F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	1
	ILLINOIS	CONTRACT NO.		

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR HIGHWAY STANDARDS SEE SHEET NO. 2

DESIGN DESIGNATION

GALENA ROAD
ADT:
7,600 (2019)
15,300 (2050)

SPEED LIMIT:
45 MPH EAST (POSTED)
45 MPH WEST (POSTED)
45 MPH (DESIGN)

CANNONBALL TRAIL/GORDON ROAD
ADT:
3,050 (2019)
7,300 (2050)

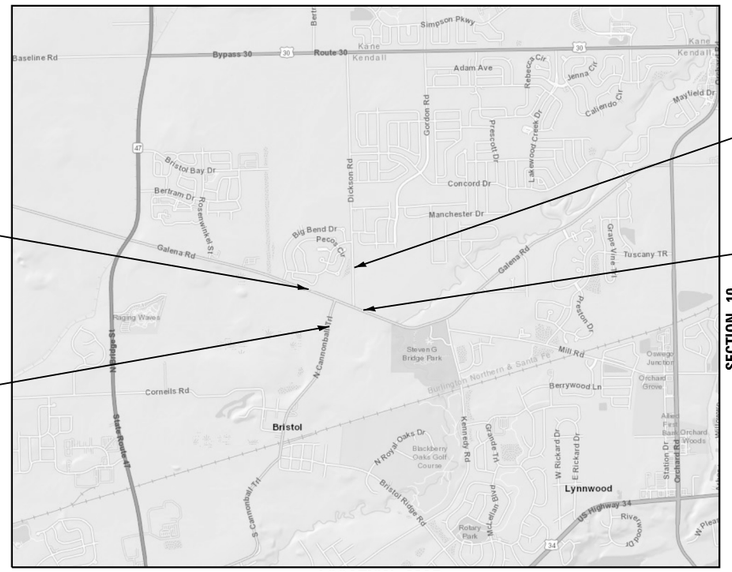
SPEED LIMIT:
35 MPH NORTH (POSTED)
35 MPH SOUTH (POSTED)
35 MPH (DESIGN)

FINAL ENGINEERING PLANS

INTERSECTION IMPROVEMENTS FOR GALENA ROAD (C.H. 9)/ CANNONBALL TRAIL (C.H. 10)/ DICKSON RD/GORDON RD

SECTION NO. 22-00169-00-TL
2023

RANGE 7 EAST



GALENA ROAD IMPROVEMENT BEGINS STA. 201+00

CANNONBALL TRAIL IMPROVEMENT BEGINS STA. 100+00

CANNONBALL TRAIL IMPROVEMENT ENDS STA. 122+00

GALENA ROAD IMPROVEMENT ENDS STA. 219+00

SECTION 10

N

LOCATION MAP
SCALE: 1" = 2400'



LOCATION OF SECTION INDICATED THUS: –

Call Before You Dig
JULIE
ILLINOIS ONE-CALL SYSTEM
800-892-0123

100′ 200′ 300′ — 1″ = 100′
0 10′ 20′ 30′ — 1″ = 10′
0 50′ 100′ — 1″ = 50′
0 50′ 100′ — 1″ = 40′
0 50′ 100′ — 1″ = 30′
0 50′ 100′ — 1″ = 20′

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

PROJECT ENGINEER: NICK PIEKARSKI
PROJECT MANAGER: RANDY NEWKIRK

GALENA ROAD IMPROVEMENTS = 1800.0 FT. = 0.34 MILE
CANNONBALL TRAIL IMPROVEMENTS = 2200.0 FT. = 0.42 MILE
DICKSON ROAD REMOVAL/IMPROVEMENTS = 1200.0 FT. = 0.23 MILE
NET LENGTH = 5200 FT. = 0.99 MILE

PLANS APPROVED BY: VILLAGE OF MONTGOMERY

MARK WOLF DIRECTOR OF PUBLIC WORKS
October 13 20 23

PLANS APPROVED BY: KENDALL COUNTY

FRANCIS C. KLAAS, P.E. KENDALL COUNTY ENGINEER
October 13, 20 23

DATE: 10/13/2023
LICENSED PROFESSIONAL ENGINEER
NICHOLAS M. PIEKARSKI
062-067084
STATE OF ILLINOIS
EXPIRES: 11-30-23

Hampton, Lenzini and Renwick, Inc.
Civil Engineers · Structural Engineers
Land Surveyors · Environmental Services
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
847.697.6700 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 22.0131.330 DATE: 10/13/2023

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HIGHWAY STANDARDS

Standard No	Title
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' (1.52 M) DIAMETER
602406-11	PRECAST MANHOLE, TYPE A, 6' (1.83 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604051-04	FRAME AND GRATE, TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-6.24 (B-15.60)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS

DISTRICT THREE STANDARDS

406-2	SIDEROADS AND ENTRANCES
406-11	BUTT JOINT DETAIL
703-1	SHORT TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS
720-8	TEMPORARY INFORMATION SIGN - ROAD WORK
720-10	TEMPORARY INFORMATION SIGN - ROAD CLOSED
780-1	TYPICAL APPLICATION AT LEFT TURN LANES
780-10	TYPICAL PLACEMENT OF ARROWS IN TURN LANES

SUPPLEMENTAL LEGEND

- EXISTING EVERGREEN TREE
- EXISTING DECIDUOUS TREE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- EXISTING END SECTION
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED INLET
- PROPOSED END SECTION

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
INDEX OF SHEETS, HIGHWAY STANDARDS & LEGEND

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	2
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED APRIL 1, 2022, (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2023; "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS", EIGHTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE MORE STRINGENT OF THE LATEST STANDARD OF THE CLIENT, OR THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS AND THE PLANS.

ALL WORK SHALL BE INCLUDED WITHIN THE PROPOSED RIGHT OF WAY (ROW) LIMITS OF THE PROJECT, AS SHOWN. NO EQUIPMENT, MATERIAL, YARD OR FIELD OFFICE SHALL BE SETUP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE OF MONTGOMERY, THE CITY OF YORKVILLE, AND KENDALL COUNTY IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE VILLAGE OF MONTGOMERY, THE CITY OF YORKVILLE, OR KENDALL COUNTY WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES, LISTED BELOW, PRIOR TO CONSTUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IF NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

SEWERS AND WATER MAIN

INLET FILTERS SHALL BE USED ON ALL EXISTING DRAINAGE STRUCTURES, OR AS REQUIRED BY THE ENGINEER,ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE VILLAGE OF MONTGOMERY, THE CITY OF YORKVILLE, OR KENDALL COUNTY, AS APPLICABLE. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED, AS PART OF THIS CONTRACT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES "STORM", FOR SANITARY SEWER STRUCTURES "SANITARY", FOR WATER SYSTEM STRUCTURES "WATER".

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800)-892-0123 OR AT 811. THE PUBLIC & PRIVATE UTILITY CONTACTS OPERATING WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:

VILLAGE OF MONTGOMERY
PUBLIC WORKS DEPARTMENT
MARK WOLF
200 N RIVER STREET
MONTGOMERY, IL 60538
630-896-9141 ext. 7

CITY OF YORKVILLE
PUBLIC WORKS DEPARTMENT
ERIC DHUSE
800 GAME FARM ROAD
YORKVILLE, IL 60560
630-553-4370

COMCAST
MARTHA GIERAS
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
221-229-5862

METRO FIBERNET, LLC
LORI KEMPER
3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
812-213-1050

NICOR GAS
SAKIBUL FORAH
1844 FERRY RD
NAPERVILLE, IL 60563
630-388-2903

AT&T DISTRIBUTION
STEVE PESOLA
1000 COMMERCE DRIVE
OAK BROOK, IL 60523
847-412-5255

FOX METRO WATER RECLAMATION
KEITH ZOLLERS
682 STATE ROUTE 31
OSWEGO, IL 60543
630-301-6810

COMED
LISA ARGAST
ONE LINCOLN CENTER
OAKBROOK TERRACE, IL 60181
708-277-8511

BACKFILL

STORM SEWER, WATER MAIN, AND SANITARY SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07 OF THE LATEST STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION METHOD 1 ONLY, OR AS DIRECTED BY THE ENGINEER.

ALL TRENCH BACKFILL QUANTITIES FOR STORM AND SANITARY SEWER AND WATER MAIN HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE.

ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE PLAN ESTABLISHED SHALL NOT BE MEASURED FOR FINAL PAYMENT UNLESS APPROVED BY THE ENGINEER.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER LOCATIONS SHOWN AT POINTS OF CURVE, ETC., ARE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO BE THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURES TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON A LOCAL DATUM

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC.ARE FROM THE CENTERLINE OR BASELINE AS SHOWN ON THE PLANS.

MISCELLANEOUS

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS A DETOUR PLAN IS PROVIDED IN THE PLANS. THIS ITEM SHALL BE INCLUDED IN THE ITEM "TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (ROAD) AND TEMPORARY ACCESS (WINTERIZED)."

IT IS THE CONTRACTOR'S RESPONSIBILTY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATION BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE PAVED SHALL BE SEEDED. SEED LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

ALL TYPE I AND TYPE II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH.

FERTILIZER NUTRIENTS:

USE A FERTILIZER WITH AN ANALYSIS OF 1:1 RATIO AT THE FOLLOWING RATE PER ACRE:

NITROGEN FERTILIZER NUTRIENT: 90 LBS.

POTASSIUM FERTILZIER NUTRIENT: 90 LBS

FERTILIZER IS NOT REQUIRED FOR SEEDING CLASS 3, 4, 4A, 4B, 5A, 5B, AND 7.

THE CONTRACTOR SHALL NOT DAMAGE EXISTING PLANT MATERIAL INCLUDING TREES, SHRUBS, AND GROUNDCOVER, OUTSIDE THE LIMITS OF CONSTRUCTION.

THE CONTRACTOR SHALL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH THEIR CONSTRUCTION OPERATIONS, AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN COMFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @Ndes
PAVEMENT RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, "MIX D", N70, 1-1/2"	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 9.5, N70, 1"	4% @ 70 GYR.
FULL DEPTH PAVEMENT/SHOULDERS WIDENING (GALENA/CANNONBALL)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, "MIX D", N70, 1-1/2"	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 9.5, N70, 1"	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 12"	4% @ 70 GYR.
FULL DEPTH PAVEMENT NEW CONSTRUCTION (GORDON/DICKSON)	
HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, "MIX D", N50, 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL 9.5, N50, 1.5"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 5"	4% @ 50 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50, 3"	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LB/SQ YD/IN
THE RESIDUAL ASPHALT RATE FOR PAVEMENT RESURFACING/WIDENING IS 0.05 LB/SQ FT
THE RESIDUAL ASPHALT RATE FOR NEW CONSTRUCTION IS 0.025 LB/SQ FT

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
GENERAL NOTES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	3
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	001 100% VILLAGE	002 100% COUNTY	003 JOINT 25% VILLAGE 75% COUNTY
	20100500	TREE REMOVAL, ACRES	ACRE	1	1	0	0
	20200100	EARTH EXCAVATION	CU YD	7131	3803	3328	0
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3232	2191	1041	0
	20400800	FURNISHED EXCAVATION	CU YD	7970	535	7435	0
*	20800150	TRENCH BACKFILL	CU YD	559	394	165	0
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	5296	3370	1926	0
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3019	1635	1384	0
	25000210	SEEDING, CLASS 2A	ACRE	7	3	4	0
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	622	281	341	0
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	622	281	341	0
	25100630	EROSION CONTROL BLANKET	SQ YD	33453	15091	18362	0
	25100900	TURF REINFORCEMENT MAT	SQ YD	34	0	34	0
	28000305	TEMPORARY DITCH CHECKS	FOOT	420	140	280	0
	28000400	PERIMETER EROSION BARRIER	FOOT	1297	92	1205	0
	28000500	INLET AND PIPE PROTECTION	EACH	9	3	6	0
	28000510	INLET FILTERS	EACH	14	14	0	0
*	28100105	STONE RIPRAP, CLASS A3	SQ YD	72	72	0	0
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3232	2191	1041	0
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	18340	7735	10605	0
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	66	0	66	0
	35501304	HOT-MIX ASPHALT BASE COURSE, 5"	SQ YD	7052	7052	0	0
	35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	8705	0	8705	0
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	999	183	816	0
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	4898	2048	2850	0
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	427	107	320	0
	40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	616	616	0	0
	40603208	POLYMERIZED HOT-MIX ASHPALT BINDER COURSE, IL-9.5, N70	TON	3235	0	3235	0
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	822	822	0	0
	40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1370	0	1370	0
	44000100	PAVEMENT REMOVAL	SQ YD	3910	2559	1351	0
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	74	0	74	0
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	14	14	0	0
	44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	23	0	23	0
	44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	27	0	27	0
	44213200	SAW CUTS	FOOT	6050	350	5700	0
*	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1811	0	1811	0
	50105220	PIPE CULVERT REMOVAL	FOOT	230	0	230	0
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	0	2	0
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4	2	2	0
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	0	2	0
	54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2	0	0
	54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	1	1	0	0
	54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	2	0	2	0
	542C0213	PIPE CULVERTS, CLASS C, TYPE 1 8"	FOOT	23	0	23	0
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	509	509	0	0

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	001 100% VILLAGE	002 100% COUNTY	003 JOINT 25% VILLAGE 75% COUNTY
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	32	0	32	0
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	230	134	96	0
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	88	0	88	0
	550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	179	179	0	0
	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	222	222	0	0
	550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	199	199	0	0
	550A4700	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	88	0	88	0
	55100500	STORM SEWER REMOVAL 12"	FOOT	9	9	0	0
	55100900	STORM SEWER REMOVAL 18"	FOOT	590	590	0	0
*	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1	0	0
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	0	4	0
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	0	0
	60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4	0	0
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	0	0
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	0	0
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1	0	0
	60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1	0	0
	60500040	REMOVING MANHOLES	EACH	3	3	0	0
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	5	5	0	0
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3180	3180	0	0
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	2129	2129	0	0
	70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE	SQ FT	47	0	47	0
	70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	25454	1864	23590	0
	70306210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE III TAPE	FOOT	140	11	129	0
	72000100	SIGN PANEL - TYPE 1	SQ FT	106	55	21	30
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	11	2	9	0
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	0	4	0
	72900100	METAL POST - TYPE A	FOOT	147	25	122	0
	72900200	METAL POST - TYPE B	FOOT	112	80	32	0
	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	328	94	234	0
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9641	539	9102	0
	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	5982	420	5562	0
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2720	671	2049	0
	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	313	0	313	0
	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	214	78	136	0
	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	9172	166	9006	0
	78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	5562	0	5562	0
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0	0	1
	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1	0	0	1
	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1	0	0
	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	39	0	0	39
	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	73	0	0	73
	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	350	0	0	350
	81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	734	734	0	0

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	4
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	001 100% VILLAGE	002 100% COUNTY	003 JOINT 25% VILLAGE 75% COUNTY
	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	558	558	0	0
	81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	115	115	0	0
	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	10	10	0	0
	81400100	HANDHOLE	EACH	4	2	0	2
	81400200	HEAVY-DUTY HANDHOLE	EACH	1	0	0	1
	81400300	DOUBLE HANDHOLE	EACH	1	0	0	1
	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1792	0	0	1792
	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	4092	4092	0	0
	81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	525	525	0	0
	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	13	13	0	0
	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4	0	0	4
	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	1	0	0
	83000200	LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM	EACH	5	5	0	0
	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	9	9	0	0
	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	9	9	0	0
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1440	0	0	1440
	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2739	0	0	2739
	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	44	0	0	44
	87301880	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 4 1C	FOOT	155	155	0	0
	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2345	1725	0	620
	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	0	0	2
	87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1	0	0	1
	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1	0	0	1
	87703010	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	EACH	1	0	0	1
	87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1	0	0	1
	87704558	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 58 FT. AND 20 FT.	EACH	1	0	0	1
	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	0	0	8
	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	0	0	4
	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	0	0	10
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13	0	0	13
	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	64	0	0	64
	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	0	0	6
	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2	0	0	2
	88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	6	0	0	6
	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	0	0	2
	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	0	0	4
	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	20	0	0	20
*	Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	66	0	66	0
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0	0	1
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	100	0	0	100
*	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4	0	0	4
*	Z0034105	MATERIAL TRANSFER DEVICE	TON	6043	1438	4605	0
*	Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1	0	0	1
*	X0325922	CELLULAR MODEM	EACH	1	0	0	1
*	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	0	0	4

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	001 100% VILLAGE	002 100% COUNTY	003 JOINT 25% VILLAGE 75% COUNTY
*	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	0	0	1
*	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2	0	0	2
*	X1400373	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR AND FAR BACK	EACH	2	0	0	2
*	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	784	0	0	784
*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	7803	284	7519	0
*	X4430200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6000	300	5700	0
*	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1	1	0	0
*	X6022712	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	4	4	0	0
*	X6023212	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE, SPECIAL	EACH	7	7	0	0
*	X6024502	INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE	EACH	1	1	0	0
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0	0	1
*	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	146	6	140	0
*	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1	0	0	1
*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	0	0	1
*	X8809005	LED SIGNAL FACE, LENS COVER	EACH	20	0	0	20
		LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM -TWIN	EACH	4	4	0	0

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
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PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	5
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

EXISTING LEGEND

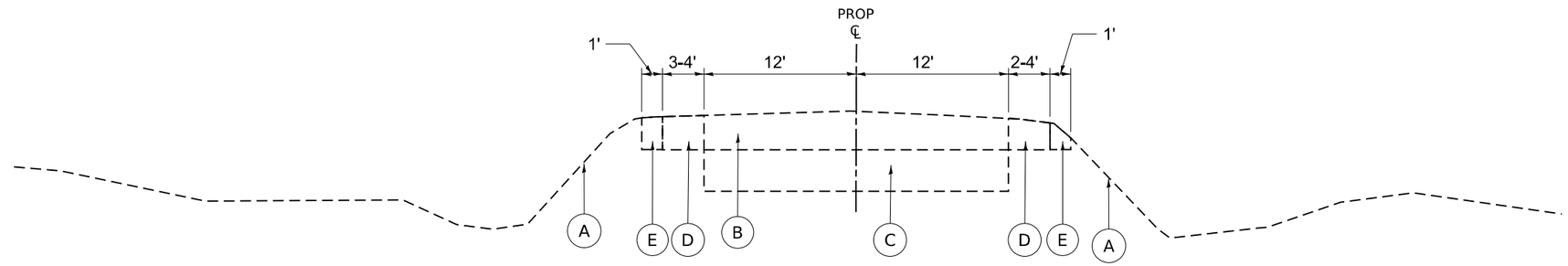
- (A) EXISTING TURF PARKWAY
- (B) EXISTING BITUMINOUS PAVEMENT
- (C) EXISTING AGGREGATE BASE
- (D) EXISTING HMA SHOULDER
- (E) EXISTING AGGREGATE SHOULDER
- (F) HMA SURFACE REMOVAL, VARIABLE DEPTH
- (G) PAVED SHOULDER REMOVAL
- (H) SAW CUT, FULL DEPTH

PROPOSED LEGEND

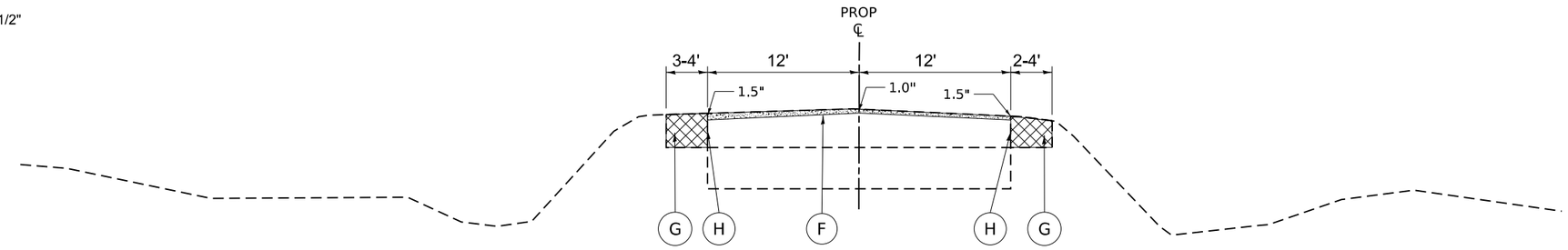
- (1) POLYMERIZED HMA SURFACE COURSE, MIX "D", IL-9.5 N70, 1-1/2"
- (2) POLYMERIZED HMA BINDER COURSE IL-9.5 N70, 1-1/2"
- (3) HMA BASE COURSE, 12"
- (4) HMA SURFACE COURSE, IL-9.5, N50, 2"
- (5) HMA BINDER COURSE, IL-9.5, N50, 1-1/2"
- (6) HMA BASE COURSE, 5"
- (7) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (8) TOPSOIL EXCAVATION AND PLACE (4" PLACEMENT DEPTH)
- (9) EROSION CONTROL BLANKET AND SEEDING CLASS 2A
- (10) SB 6.12 MEDIAN
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (12) AGGREGATE SHOULDER, 6"
- (13) STRIP REFLECTIVE CRACK CONTROL

GALENA ROAD
LOOKING EAST

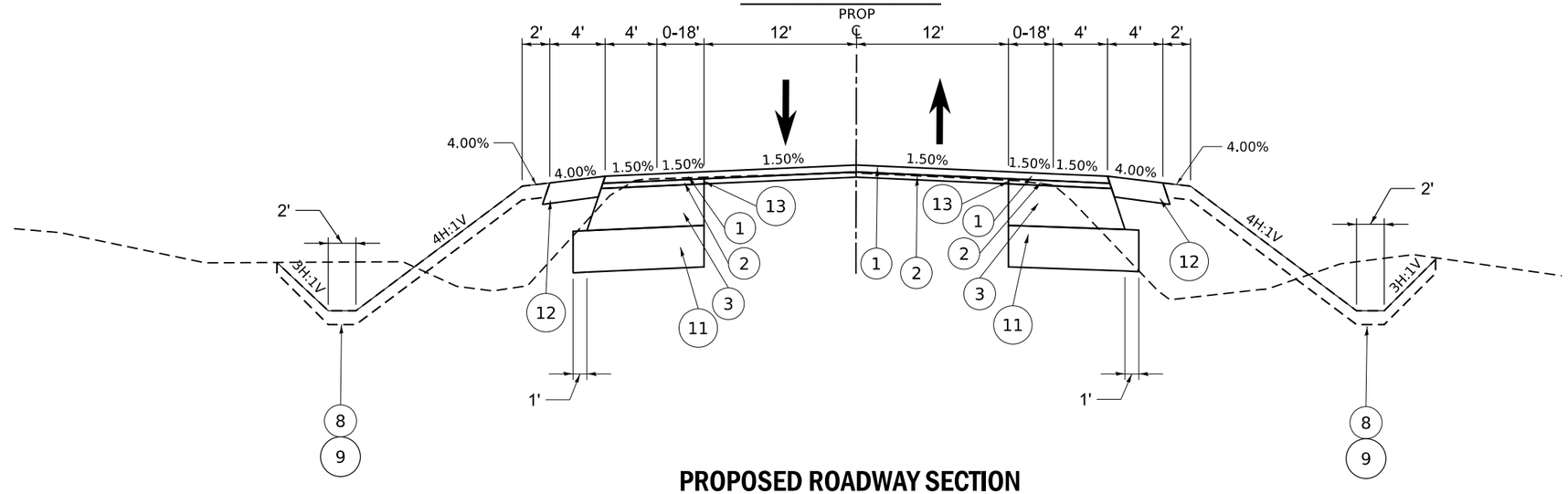
STA 201+00 TO 219+00



EXISTING ROADWAY SECTION



TYPICAL REMOVAL



PROPOSED ROADWAY SECTION

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	6
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

EXISTING LEGEND

- (A) EXISTING TURF PARKWAY
- (B) EXISTING BITUMINOUS PAVEMENT
- (C) EXISTING AGGREGATE BASE
- (D) EXISTING HMA SHOULDER
- (E) EXISTING AGGREGATE SHOULDER
- (F) HMA SURFACE REMOVAL, 1"
- (G) PAVED SHOULDER REMOVAL
- (H) SAW CUT, FULL DEPTH

PROPOSED LEGEND

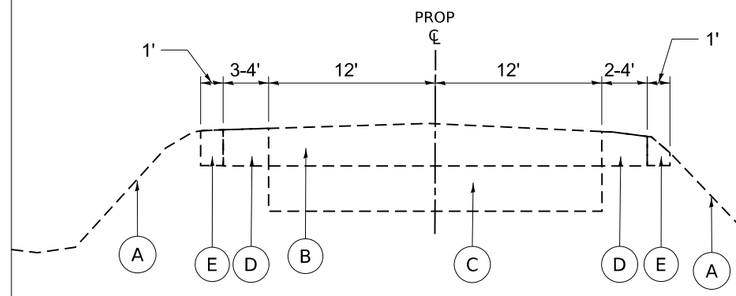
- (1) POLYMERIZED HMA SURFACE COURSE, MIX "D", IL-9.5 N70, 1-1/2"
- (2) POLYMERIZED HMA BINDER COURSE IL-9,5 N70, 1-1/2"
- (3) HMA BASE COURSE, 12"
- (4) HMA SURFACE COURSE, IL-9.5, N50, 2"
- (5) HMA BINDER COURSE, IL-9.5, N50, 1-1/2"
- (6) HMA BASE COURSE, 5"
- (7) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (8) TOPSOIL EXCAVATION AND PLACE (4" PLACEMENT DEPTH)
- (9) EROSION CONTROL BLANKET AND SEEDING CLASS 2A
- (10) SB 6.12 MEDIAN
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (12) AGGREGATE SHOULDER, 6"
- (13) STRIP REFLECTIVE CRACK CONTROL

104+15.00	1.5%	1.5%
104+45.00	0.0%	1.5%
104+75.00	1.5%	1.5%
109+65.00	1.5%	1.5%
109+95.00	0.0%	1.5%
110+25.00	1.5%	1.5%

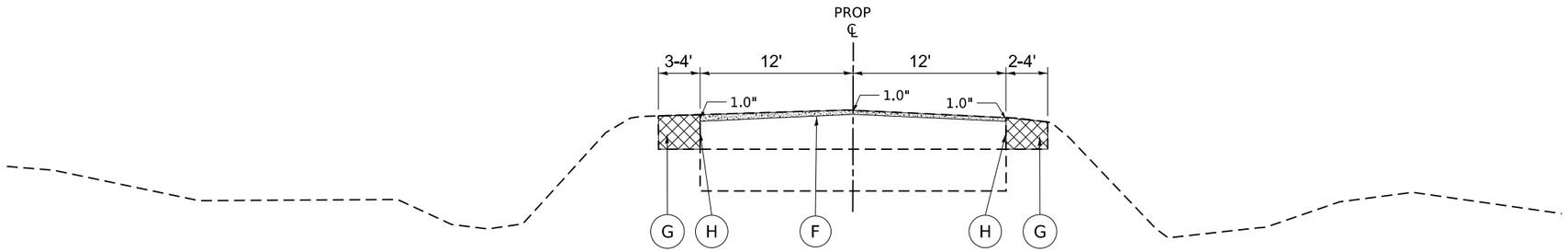
*SE PIVOT POINT BASED ON CL

CANNONBALL TRAIL
LOOKING NORTH

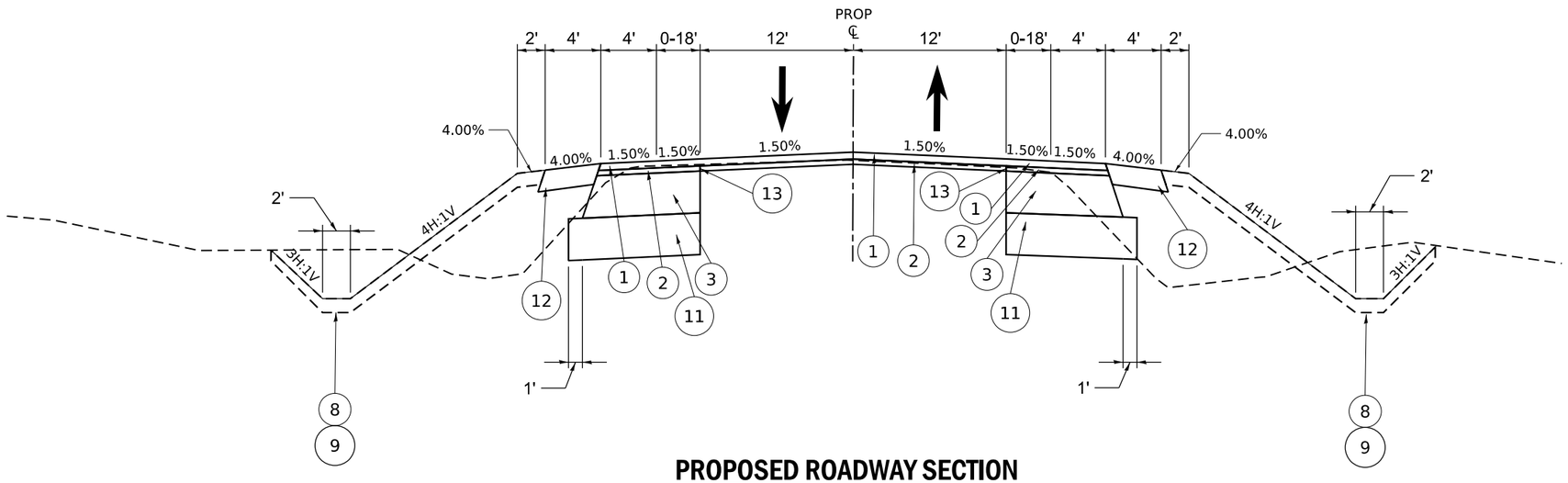
STA 102+50 TO 110+64



EXISTING ROADWAY SECTION



TYPICAL REMOVAL



PROPOSED ROADWAY SECTION

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
TYPICAL SECTIONS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	7
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EXISTING LEGEND

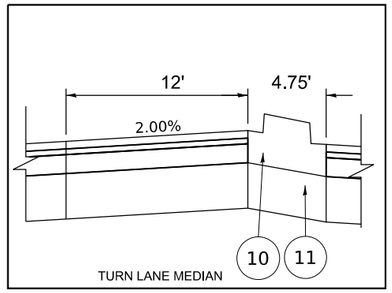
- (A) EXISTING TURF PARKWAY
- (B) EXISTING BITUMINOUS PAVEMENT
- (C) EXISTING AGGREGATE BASE
- (D) EXISTING HMA SHOULDER
- (E) EXISTING AGGREGATE SHOULDER
- (F) HMA SURFACE REMOVAL, 1"
- (G) PAVED SHOULDER REMOVAL
- (H) SAW CUT, FULL DEPTH

PROPOSED LEGEND

- (1) POLYMERIZED HMA SURFACE COURSE, MIX "D", IL-9.5 N70, 1-1/2"
- (2) POLYMERIZED HMA BINDER COURSE IL-9.5 N70, 1-1/2"
- (3) HMA BASE COURSE, 12"
- (4) HMA SURFACE COURSE, IL-9.5, N50, 2"
- (5) HMA BINDER COURSE, IL-9.5, N50, 1-1/2"
- (6) HMA BASE COURSE, 5"
- (7) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (8) TOPSOIL EXCAVATION AND PLACE (4" PLACEMENT DEPTH)
- (9) EROSION CONTROL BLANKET AND SEEDING CLASS 2A
- (10) SB 6.12 MEDIAN
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (12) AGGREGATE SHOULDER, 6"
- (13) STRIP REFLECTIVE CRACK CONTROL

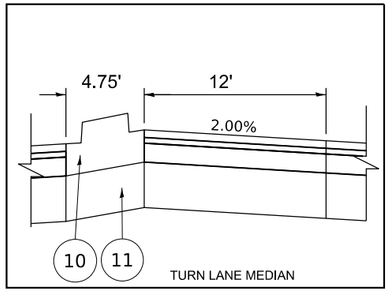
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115+60.00	0.0%	2.0%
116+37.50	2.0%	2.0%
117+15.00	4.0%	4.0%
121+65.00	4.0%	4.0%
122+42.50	2.0%	2.0%
123+20.00	0.0%	2.0%
123+97.50	2.0%	2.0%

*SE PIVOT POINT BASED ON INSIDE EDGE OF PAVEMENT



INSET A

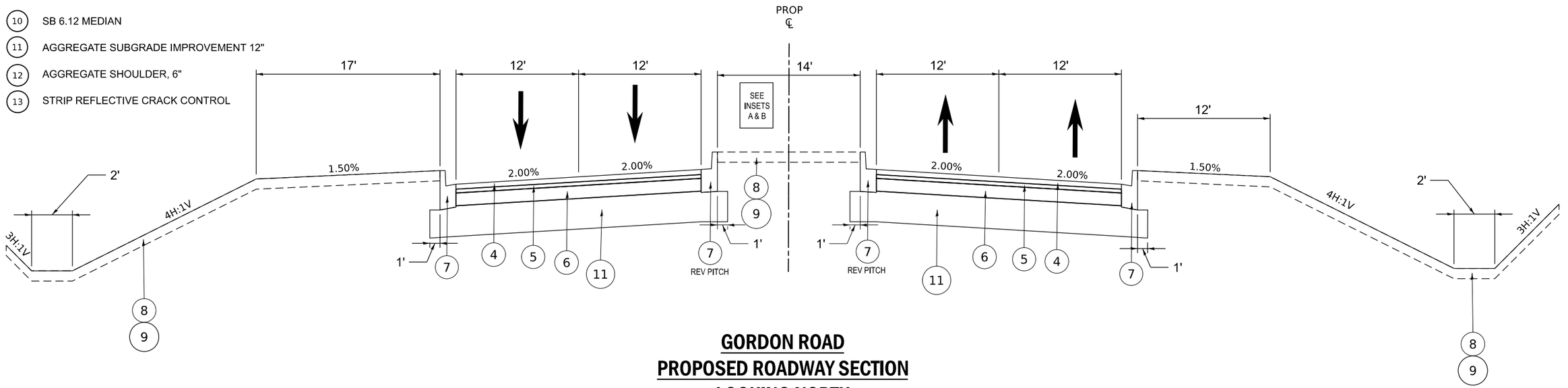
STA 111+78 TO 113+03*



INSET B

STA 114+58 TO 115+83*

*TRANSITION BETWEEN TURN LANE MEDIANS FROM 113+03 TO 114+58



GORDON ROAD
PROPOSED ROADWAY SECTION
LOOKING NORTH

STA 111+78 TO 121+50

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\02 Design\CADD Sheets\22013-1-tc-typical.dgn

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GORDON ROAD
TYPICAL SECTIONS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	8
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EXISTING LEGEND

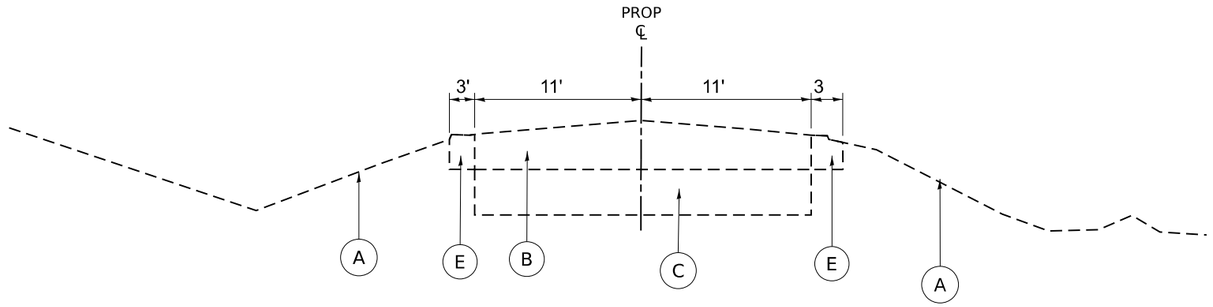
- (A) EXISTING TURF PARKWAY
- (B) EXISTING BITUMINOUS PAVEMENT
- (C) EXISTING AGGREGATE BASE
- (D) EXISTING HMA SHOULDER
- (E) EXISTING AGGREGATE SHOULDER
- (F) HMA SURFACE REMOVAL, 1"
- (G) PAVED SHOULDER REMOVAL
- (H) SAW CUT, FULL DEPTH

PROPOSED LEGEND

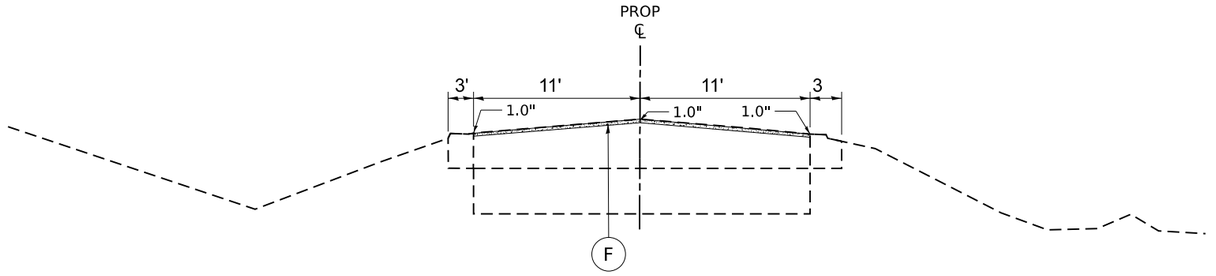
- (1) POLYMERIZED HMA SURFACE COURSE, MIX "D", IL-9.5 N70, 1-1/2"
- (2) POLYMERIZED HMA BINDER COURSE IL-9.5 N70, 1-1/2"
- (3) HMA BASE COURSE, 12"
- (4) HMA SURFACE COURSE, IL-9.5, N50, 2"
- (5) HMA BINDER COURSE, IL-9.5, N50, 1-1/2"
- (6) HMA BASE COURSE, 5"
- (7) COMB. CONC. CURB & GUTTER, TYPE B-6.12
- (8) TOPSOIL EXCAVATION AND PLACE (4" PLACEMENT DEPTH)
- (9) EROSION CONTROL BLANKET AND SEEDING CLASS 2A
- (10) SB 6.12 MEDIAN
- (11) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (12) AGGREGATE SHOULDER, 6"
- (13) STRIP REFLECTIVE CRACK CONTROL

DICKSON ROAD
LOOKING NORTH

STA 21+00 TO 21+73



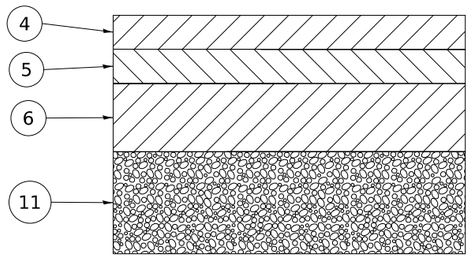
EXISTING ROADWAY SECTION



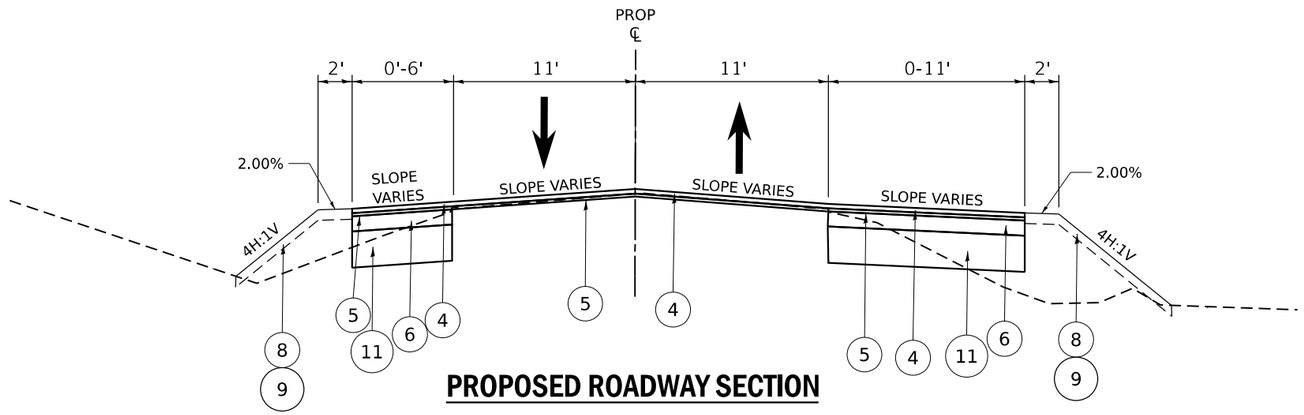
TYPICAL REMOVAL

DICKSON ROAD
INTERSECTION RECONSTRUCTION

STA 20+18 TO 20+50



PROPOSED ROADWAY SECTION



PROPOSED ROADWAY SECTION

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\02 Design\CADD_Sheets\220131-sht-typical.dgn

HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	DICKSON ROAD TYPICAL SECTIONS
		DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	9
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK							
	AVERAGE END AREA		VOLUME				
	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION (A)	EMBANKMENT (B)	DIFFERENCE (I) I=0.75(A)-B	TOPSOIL STRIP	TOPSOIL PLACE
STATION	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
GALENA ROAD							
201+00	18.8	38.4					
			32.4	79.1	-54.8	11.8	19.8
201+50	16.2	47.0					
			30.1	96.8	-74.2	39.2	20.9
202+00	16.2	57.5					
			36.0	105.0	-78.0	53.7	22.0
202+50	22.7	55.9					
			48.2	102.4	-66.3	52.7	23.3
203+00	29.4	54.7					
			61.4	96.0	-50.0	53.1	23.9
203+50	36.9	49.0					
			72.6	88.9	-34.5	60.0	23.5
204+00	41.5	47.0					
			79.8	75.3	-15.5	71.9	23.1
204+50	44.6	34.3					
			83.0	81.1	-18.9	77.6	24.2
205+00	45.0	53.3					
			83.8	104.0	-41.1	79.5	26.1
205+50	45.5	59.0					
			90.1	108.1	-40.5	80.7	27.8
206+00	51.8	57.7					
			106.6	99.4	-19.5	80.4	29.9
206+50	63.3	49.6					
			91.6	58.1	10.6	80.4	21.2
207+00	35.5	13.1					
			40.6	9.1	21.4	25.6	5.1
207+22	64.8	9.4					
			81.6	25.5	35.7	33.0	12.8
207+50	91.6	39.6					
			163.6	76.7	46.0	80.7	33.4
208+00	85.1	43.3					
			95.9	108.4	-36.5	80.7	30.8
208+50	18.5	73.8					
			56.1	115.0	-72.9	91.0	32.8
209+00	42.0	50.4					
			35.1	55.3	-29.0	51.8	20.8
209+25	33.7	69.1					
			29.4	96.0	-73.9	51.9	20.3
209+50	29.9	138.3					
			33.1	195.2	-170.4	76.9	17.7
210+00	5.8	72.5					
			15.9	310.0	-298.0	80.9	15.9
210+50	11.4	262.2					
			36.6	356.7	-329.3	101.3	28.9
211+00	28.1	123.0					
			49.4	220.4	-183.4	93.2	25.4
211+50	25.3	115.0					
			41.2	134.7	-103.8	54.5	17.4
211+79	51.5	135.8					
			34.0	101.2	-75.7	39.7	13.6
212+00	35.8	124.3					
			63.0	214.6	-167.4	94.3	27.4
212+50	32.2	107.5					
			60.4	188.2	-142.9	93.8	23.6
213+00	33.0	95.8					
			61.6	165.1	-118.9	92.9	20.8
213+50	33.5	82.5					
			58.9	146.6	-102.4	85.3	18.6
214+00	30.2	75.9					
			53.0	137.9	-98.1	76.3	16.1
214+50	27.1	73.0					
			49.8	128.5	-91.2	74.4	15.1
215+00	26.6	65.8					
			48.0	115.6	-79.6	74.5	10.5
215+50	25.2	59.1					
			66.1	82.0	-32.4	48.0	24.7
216+00	46.1	29.4					
			67.0	64.5	-14.3	29.0	29.0
216+50	26.2	40.3					
			47.2	83.3	-47.9	39.7	14.8
217+00	24.8	49.7					

EARTHWORK							
	AVERAGE END AREA		VOLUME				
	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION (A)	EMBANKMENT (B)	DIFFERENCE (I) I=0.75(A)-B	TOPSOIL STRIP	TOPSOIL PLACE
STATION	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
			43.1	93.1	-60.8	42.9	15.8
217+50	21.8	50.8					
			35.3	97.0	-70.5	42.8	16.6
218+00	16.4	53.9					
			30.1	95.2	-72.6	42.7	17.0
218+50	16.1	48.9					
			32.3	72.5	-48.2	23.6	16.4
219+00	18.8	29.4					
CANNONBALL TRAIL							
100+00	25.1	39.4					
			42.5	96.1	-64.3	55.8	13.9
100+50	20.8	64.5					
			37.5	130.7	-102.6	63.4	19.2
101+00	19.7	76.7					
			36.8	153.3	-125.7	62.9	20.9
101+50	20.0	88.9					
			39.4	164.5	-134.9	63.2	21.1
102+00	22.6	88.8					
			41.6	165.0	-133.8	62.5	22.2
102+50	22.3	89.4					
			40.6	194.9	-164.5	76.7	23.2
103+00	21.5	121.2					
			17.7	107.9	-94.7	40.2	8.8
103+22	21.7	142.6					
			22.2	126.6	-110.0	54.1	11.5
103+50	21.2	102.5					
			42.6	185.7	-153.7	100.0	27.1
104+00	24.9	98.1					
			46.8	214.8	-179.7	96.5	23.5
104+50	25.6	133.9					
			52.5	276.5	-237.1	96.6	27.2
105+00	31.0	164.8					
			32.9	164.6	-140.0	50.6	15.1
105+26	37.3	177.2					
			31.9	152.7	-128.8	57.2	14.4
105+50	34.5	166.4					
			70.4	289.1	-236.3	99.4	40.1
106+00	41.5	145.9					
			87.9	255.1	-189.2	95.6	31.0
106+50	53.4	129.6					
			92.7	242.6	-173.0	88.0	28.5
107+00	46.7	132.3					
			75.3	253.9	-197.4	89.5	35.5
107+50	34.6	141.9					
			55.7	275.0	-233.2	101.1	34.5
108+00	25.6	155.2					
			47.5	301.8	-266.2	113.4	33.8
108+50	25.7	170.8					
			46.2	327.1	-292.4	124.1	25.5
109+00	24.2	182.4					
			43.2	350.3	-317.9	132.7	16.0
109+50	22.5	195.8					
			30.7	306.8	-283.8	137.3	14.4
110+00	10.7	135.5					
			16.0	332.2	-320.2	136.4	25.4
110+50	6.5	223.2					
			33.5	252.2	-227.1	93.5	18.5
GORDON ROAD							
111+00	29.6	49.1					
			40.3	205.1	-174.9	95.6	0.0
111+50	13.9	172.4					
			44.3	247.7	-214.5	138.9	21.3
112+00	33.9	95.1					
			60.9	153.8	-108.1	138.9	42.1
112+50	31.9	70.9					
			62.0	105.7	-59.2	138.9	39.7
113+00	35.1	43.3					
			87.3	56.6	8.9	138.9	36.0
113+50	59.1	17.8					
			153.4	32.8	82.2	138.9	33.4

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	10
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK							
	AVERAGE END AREA		VOLUME				
	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION (A)	EMBANKMENT (B)	DIFFERENCE (I) I=0.75(A)-B	TOPSOIL STRIP	TOPSOIL PLACE
STATION	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
114+00	106.5	17.6					
			206.4	30.0	124.8	138.9	32.3
114+50	116.4	14.7					
			271.7	23.6	180.2	138.9	32.6
115+00	177.0	10.7					
			311.1	21.3	212.0	138.9	33.7
115+50	159.0	12.3					
			268.2	24.8	176.4	136.9	25.6
116+00	130.7	14.4					
			135.3	14.2	87.3	68.6	8.1
116+26	154.2	15.5					
			121.2	13.5	77.4	64.6	7.8
116+50	114.5	14.3					
			153.4	49.5	65.6	133.6	26.0
117+00	51.1	39.1					
			72.9	88.2	-33.5	134.3	39.4
117+50	27.7	56.2					
			25.8	193.0	-173.6	134.3	38.7
118+00	0.2	152.2					
			0.3	318.4	-318.2	134.3	38.1
118+50	0.1	191.7					
			3.6	333.8	-331.1	134.3	37.9
119+00	3.7	168.8					
			5.5	353.3	-349.1	134.3	35.5
119+50	2.2	212.7					
			18.9	177.9	-163.7	85.9	23.9
119+82	29.7	87.4					
			20.7	53.7	-38.2	48.3	13.6
120+00	32.2	73.6					
			71.8	117.4	-63.6	134.3	38.3
120+50	45.3	53.2					
			143.9	76.6	31.3	134.3	39.5
121+00	110.1	29.6					
					0.0	126.0	35.3
121+50	38.7	41.6					
			272.0	60.7	143.3	26.5	10.4
121+65	255.1	23.9					
			236.2	11.1	166.1	67.7	22.6
122+00	0.0	0.0					
DICKSON ROAD							
10+00	0.0	0.0					
			32.4	4.0	20.3	56.9	26.9
10+50	35.0	4.3					
			54.1	13.7	26.9	62.5	53.7
11+00	23.5	10.5					
			37.9	24.6	3.8	67.1	53.7
11+50	17.5	16.1					
			28.3	31.4	-10.2	64.3	53.7
12+00	13.1	17.9					
			27.0	34.7	-14.5	41.7	53.7
12+50	16.0	19.6					
			41.6	33.2	-2.0	42.0	53.7
13+00	28.9	16.2					
			61.2	25.8	20.0	42.1	53.7
13+50	37.1	11.6					
			66.5	20.6	29.3	41.9	53.7
14+00	34.7	10.6					
			58.5	22.3	21.6	41.1	53.7
14+50	28.5	13.5					
			54.7	27.4	13.6	41.0	53.7
15+00	30.6	16.1					
			61.5	27.9	18.2	42.2	53.7
15+50	35.8	14.1					
			57.1	29.7	13.1	41.3	53.7
16+00	25.9	18.1					
			47.9	24.1	11.8	55.5	46.8
16+50	25.9	8.0					
			47.0	13.7	21.6	71.3	39.8
17+00	24.9	6.8					
			48.8	11.7	24.9	71.3	39.9
17+50	27.8	5.9					

EARTHWORK							
	AVERAGE END AREA		VOLUME				
	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION (A)	EMBANKMENT (B)	DIFFERENCE (I) I=0.75(A)-B	TOPSOIL STRIP	TOPSOIL PLACE
STATION	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
			52.2	10.6	28.6	71.3	39.9
18+00	28.5	5.6					
			51.2	10.4	28.0	71.4	39.9
18+50	26.8	5.7					
			48.4	10.4	25.9	71.4	39.8
19+00	25.5	5.6					
			53.4	9.4	30.7	71.3	39.8
19+50	32.2	4.5					
			29.8	4.2	18.1	76.5	19.9
20+00	0.0	0.0					
			21.0	5.2	10.6	81.8	0.0
20+50	45.2	11.1					
			26.7	18.2	1.8	81.9	0.0
21+00	12.4	28.1					
			7.2	13.1	-7.7	61.4	0.0
21+50	3.2	0.2					
			1.5	0.1	1.0	20.4	0.0
22+00	0.0	0.0					

EARTHWORK SUMMARY

LOCATION	EARTH EXCAVATION (CU YD)	EXCAVATION AVAILABLE FOR EMBANKMENT ADJUSTED FOR SHRINKAGE 25% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL STRIP (CU YD)	TOPSOIL PLACE (CU YD)
GALENA ROAD						
ROADWAY	2244	1683	4582	-2900	2462	827
EARTH DITCH CHECKS	0	0	24	-24	0	5
CANNONBALL TRAIL	1084	813	5320	-4507	2091	551
GORDON ROAD	2787	2090	2763	-672	2905	712
DICKSON ROAD	1016	762	426	335	1390	923
PROJECT TOTAL	7131	5348	13115	-7767	8848	3019

* PLAN QUANTITY BASED ON PAVEMENT REMOVAL OF THE FOLLOWING DEPTHS :
GALENA ROAD 12 IN
CANNONBALL TRAIL 8 IN
DICKSON ROAD 8 IN
TOPSOIL DEPTH 6 IN
THESE QUANTITIES ARE NOT INCLUDED IN THE EARTHWORK BALANCE.

20201200	**REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL**
21001000	**GEOTECHNICAL FABRIC FOR GROUND STABILIZATION**
30300001	**AGGREGATE SUBGRADE IMPROVEMENT**

								20201200	21001000	30300001
DESCRIPTION	LOCATION	FROM STATION	TO STATION	RT/LT	AREA (SQ FT)	ESTIMATED DEPTH (IN)	% AREA	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CY)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)	AGGREGATE SUBGRADE IMPROVEMENT (CY)
Gordon Road	New Pvmt	111+78.3	112+00.0	**RT/LT**	1641.2	30	100%	152	182.4	152
Gordon Road	New Pvmt	112+00.0	114+50.0	**RT/LT**	17581.1	30	100%	1628	1953.5	1628
Gordon Road	New Pvmt	114+50.0	121+65.5	**RT/LT**	53014.2	12	20%	393	1178.1	393
Dickson Road	Recon Area	20+13.6	20+54.6	**RT/LT**	1327.2	12	20%	10	29.5	10
Dickson Road	Widening	20+25.8	21+72.6	RT	1205.8	12	20%	9	26.8	9
Galena Road	Widening	201+00.0	208+45.4	LT	4035.7	12	20%	30	89.7	30
Galena Road	Widening	208+45.4	210+84.8	LT	7166.3	30	100%	664	796.3	664
Galena Road	Widening	210+84.8	219+00.0	LT	8381.7	12	20%	62	186.3	62
Galena Road	Widening	201+00.0	209+17.1	RT	8564.8	12	20%	63	190.3	63
Galena Road	Widening	210+66.7	219+00.0	RT	4913.3	12	20%	36	109.2	36
Cannonball Trai	Widening	100+00.0	111+09.6	LT	8909.6	12	20%	66	198.0	66
Cannonball Trai	Widening	100+00.0	111+06.9	RT	16037.6	12	20%	119	356.4	119
TOTALS								**3232**	**5296**	**3232**

PLAN QUANTITIES FOR SUBGRADE IMPROVEMENTS (CY) USING THE ABOVE PAY ITEMS HAVE BEEN CALCULATED BASED ON RECOMMENDATIONS SUPPLIED IN THE GEOTECH REPORT. THE LOCATIONS AND DEPTHS ARE SUMMARIZED IN THE SCHEDULE ABOVE. ACTUAL DEPTHS OF UNDERCUTS WILL BE DETERMINED IN THE FIELD.

THE SUBGRADE IMPROVEMENT DEPTHS SHOWN ABOVE ARE IN ADDITION TO THE 12 INCH AGGREGATE SUBGRADE IMPROVEMENT (SY) ITEM DETAILED IN THE TYPICAL SECTIONS.

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000969

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	11
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"
78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"
X7810300	RECESSED REFLECTIVE PAVEMENT MARKER

STA BEGIN	STA END	REF	LENGTH (FOOT)	LINE TYPE / COLOR W = WHITE Y = YELLOW	EFFECTIVE LENGTH (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (SQ FT)	RECESSED REFLECTIVE PAVEMENT MARKER (EACH)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 5" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 5" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 6" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (FOOT)
201+00	209+63	LT	863	EDGE/W	863					863	863			
201+00	209+42	CL	842	DBL CL/Y	1684		44	1684	1684					
201+00	209+42	RT	842	EDGE/W	842					842	842			
201+32	207+02	CL	570	DBL CL/Y	1140			1140	1140				95	
204+62	207+02	RT	240	2-8 SD/W	60							60		
204+62	207+02	RT	240	2-8 SD/W	60							60		
207+02	209+42	RT	240	TURN/W	240	46.8						240		
207+02	209+42	RT	240	TURN/W	240	46.8						240		
209+42	209+42	RT	0	STOP/W	0									42
210+53	210+53	LT	0	STOP/W	0									47
210+53	219+00	LT	847	EDGE/W	847					847	847			
210+53	212+93	LT	240	TURN/W	240	46.8						240		
210+53	212+93	LT	240	TURN/W	240	46.8						240		
210+53	219+00	RT	847	DBL CL/Y	1694		44	1694	1694					
210+40	219+00	RT	860	EDGE/W	860					860	860			
212+93	215+33	LT	240	2-8 SD/W	60							60		
212+93	215+33	LT	240	2-8 SD/W	60							60		
212+93	218+63	RT	570	DBL CL/Y	1140			1140	1140				95	
100+00	110+86	LT	1086	EDGE/W	1086					1086	1086			
100+00	102+89	LT	289	DBL CL/Y	578		16	578	578					
100+00	102+89	RT	289	DBL CL/Y	578			578	578				48	
100+00	110+64	RT	1064	EDGE/W	1064					1064	1064			
103+66	104+81	LT	115	TURN/W	115							285		
103+66	110+64	RT	698	DBL CL/Y	1396		36	1396	1396					
104+81	106+36	LT	155	2-8 SD/W	39							38.75		
104+81	108+79	RT	398	DBL CL/Y	796			796	796				75	
106+79	108+19	RT	140	2-8 SD/W	35							35		
106+79	110+64	RT	385	10-40 SD/W	96			96.25						
108+19	110+64	RT	245	TURN/W	245	46.8						245		
108+19	110+64	RT	245	TURN/W	245							245		
110+64	110+64	RT	0	STOP/W	0									47
111+78	111+78	LT	0	STOP/W	0									43
111+78	113+13	LT	135	TURN/W	135	46.8						135		
111+78	113+13	LT	135	TURN/W	135	46.8						135		
111+78	119+88	RT	810	10-40 SD/W	203			202.5						
113+13	114+68	LT	155	2-8 SD/W	39							38.75		
113+13	114+68	LT	155	2-8 SD/W	39							38.75		
113+13	114+68	RT	155	2-8 SD/W	39							38.75		
114+68	121+50	LT	682	10-40 SD/W	171			170.5						
114+68	115+83	RT	115	TURN/W	115							285		
119+88	121+75	RT	210	CL/Y	420					420				
121+50	121+50	RT	0	STOP/W	0									24
DICKSON			11	STOP/W	11									11
DICKSON			83	DBL CL/Y	166		6	166	166					

70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE
70306210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE III TAPE

STA BEGIN	STA END	REF	LENGTH (FOOT)	LINE TYPE / COLOR W = WHITE Y = YELLOW	EFFECTIVE LENGTH (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE III TAPE (FOOT)	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE (SQ FT)
MOT 1	GALENA W	LT	950	EDGE/W	950	950		
MOT 1	GALENA W	CL	950	DBL CL/Y	1900	1900		
MOT 1	GALENA W	RT	950	EDGE/W	950	950		
MOT 1	GALENA W	RT	22	STOP/W	22		22	
MOT 1	GALENA E	LT	1016	EDGE/W	1016	1016		
MOT 1	GALENA E	CL	1016	DBL CL/Y	2032	2032		
MOT 1	GALENA E	RT	1016	EDGE/W	1016	1016		
MOT 1	GALENA E	LT	11	STOP/W	11		11	
MOT 1	CANNONBAL	LT	885	EDGE/W	885	885		
MOT 1	CANNONBAL	CL	885	DBL CL/Y	1770	1770		
MOT 1	CANNONBAL	RT	885	EDGE/W	885	885		
MOT 1	CANNONBAL	RT	24	STOP/W	24		24	
MOT 2	GALENA W	LT	900	EDGE/W	900	900		
MOT 2	GALENA W	CL	1015	DBL CL/Y	2030	2030		
MOT 2	GALENA W	RT	1015	EDGE/W	1015	1015		
MOT 2	GALENA W	RT	26	STOP/W	26		26	
MOT 2	GALENA E	LT	1005	EDGE/W	1005	1005		
MOT 2	GALENA E	LT	225	TURN/W	225	225		47
MOT 2	GALENA E	LT	225	2-8 SD/W	56	56		
MOT 2	GALENA E	CL	1005	DBL CL/Y	2010	2010		
MOT 2	GALENA E	RT	1005	EDGE/W	1005	1005		
MOT 2	GALENA E	LT	24	STOP/W	24		24	
MOT 2	CANNONBAL	LT	985	EDGE/W	985	985		
MOT 2	CANNONBAL	CL	985	DBL CL/Y	1970	1970		
MOT 2	CANNONBAL	RT	985	EDGE/W	985	985		
MOT 2	CANNONBAL	RT	22	STOP/W	22		22	
MOT 2a	GORDON	RT	493	EDGE/W	493	493		
MOT 2a	GORDON	LT	617	DBL CL/Y	1234	1234		
MOT 2a	GORDON		137	EDGE/W	137	137		
MOT 2a	GORDON	LT		STOP/W	11		11	
TOTALS						25454	140	47

56400300	FIRE HYDRANTS TO BE ADJUSTED
60265700	VALVE VAULTS TO BE ADJUSTED
60266100	VALVE VAULTS TO BE RECONSTRUCTED

STATION/ OFFSET	FIRE HYDRANTS TO BE ADJUSTED (EA)	VALVE VAULTS TO BE ADJUSTED (EA)	VALVE VAULTS TO BE RECONSTRUCTED (EA)
117+97 41'			1
209+24 60'	1		
209+35 74'		1	
TOTALS	**1**	**1**	**1**

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	12
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

25000210	SEEDING, CLASS 2A
25000400	NITROGEN FERTILIZER NUTRIENT
25000600	POTASSIUM FERTILIZER NUTRIENT
25100630	EROSION CONTROL BLANKET
28000305	TEMPORARY DITCH CHECKS
28000400	PERIMETER EROSION BARRIER

					25000210	25000400	25000600	25100630	28000305	28000400
STARTING STATION	ENDING STATION	REF	TOTAL AREA (SQ FT)	TOTAL AREA (SQ YD)	SEEDING, CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FT)
201+00	209+00	LT	27883.8	3098.2	0.6	57.6	57.6	3098.2		0.0
201+00	209+00	RT	16650.6	1850.1	0.4	34.4	34.4	1850.1		0.0
211+00	219+00	LT	22515.2	2501.7	0.5	46.5	46.5	2501.7		0.0
211+00	219+00	RT	18082.7	2009.2	0.4	37.4	37.4	2009.2		805.0
100+00	110+00	LT	33188.0	3687.6	0.8	68.6	68.6	3687.6		200.0
100+00	110+00	RT	36177.7	4019.7	0.8	74.7	74.7	4019.7		200.0
112+00	121+50	LT	41237.1	4581.9	0.9	85.2	85.2	4581.9		92.0
112+00	122+00	RT	39110.4	4345.6	0.9	80.8	80.8	4345.6		0.0
010+50	019+75		55468.4	6163.2	1.3	114.6	114.6	6163.2		0.0
Intersection			10762.5	1195.8	0.2	22.2	22.2	1195.8		0.0
201+00		LT							7.0	
201+50		LT							7.0	
204+00		LT							7.0	
205+50		LT							7.0	
206+87		LT							7.0	
208+24		LT							7.0	
211+08		LT							7.0	
212+08		LT							7.0	
213+08		LT							7.0	
214+08		LT							7.0	
215+08		LT							7.0	
217+65		LT							7.0	
201+00		RT							7.0	
202+00		RT							7.0	
203+00		RT							7.0	
204+00		RT							7.0	
205+00		RT							7.0	
206+00		RT							7.0	
207+00		RT							7.0	
208+00		RT							7.0	
209+00		RT							7.0	
100+00		LT							7.0	
100+90		LT							7.0	
101+80		LT							7.0	
102+70		LT							7.0	
103+60		LT							7.0	
104+50		LT							7.0	
106+28		LT							7.0	
107+16		LT							7.0	
108+06		LT							7.0	
108+94		LT							7.0	
109+82		LT							7.0	
100+00		RT							7.0	
101+28		RT							7.0	
102+58		RT							7.0	
104+07		RT							7.0	
105+58		RT							7.0	
107+08		RT							7.0	
108+64		RT							7.0	
110+18		RT							7.0	
112+28		LT							7.0	
113+19		LT							7.0	
114+08		LT							7.0	
114+98		LT							7.0	
116+77		LT							7.0	
117+59		LT							7.0	
118+38		LT							7.0	

25000210	SEEDING, CLASS 2A
25000400	NITROGEN FERTILIZER NUTRIENT
25000600	POTASSIUM FERTILIZER NUTRIENT
25100630	EROSION CONTROL BLANKET
28000305	TEMPORARY DITCH CHECKS
28000400	PERIMETER EROSION BARRIER

					25000210	25000400	25000600	25100630	28000305	28000400
STARTING STATION	ENDING STATION	REF	TOTAL AREA (SQ FT)	TOTAL AREA (SQ YD)	SEEDING, CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FT)
119+19		LT							7.0	
120+20		LT							7.0	
121+00		LT							7.0	
112+22		RT							7.0	
113+12		RT							7.0	
114+02		RT							7.0	
114+92		RT							7.0	
115+82		RT							7.0	
116+73		RT							7.0	
117+72		RT							7.0	
118+71		RT							7.0	
119+71		RT							7.0	
12+73		RT							7.0	
TOTALS				**33452.9**	**6.9**	**622.1**	**622.1**	**33452.9**	**420.0**	**1297.0**

72000100	SIGN PANEL - TYPE 1
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B
72900100	METAL POST - TYPE A
72900200	METAL POST - TYPE B

STATION	REF	TYPE	SIGN PANEL - TYPE 1 (SQ FT)	REMOVE SIGN PANEL ASSEMBLY - TYPE B (EACH)	RELOCATE SIGN PANEL ASSEMBLY - TYPE B (EACH)	METAL POST - TYPE A (FOOT)	METAL POST - TYPE B (FOOT)
104+04	RT	W3-1			1		10.5
107+55	RT	ROUTE 30/ROUTE 47			1		11.0
108+31	LT	R2-1			1	11.0	
109+85	LT	M1-6		1			10.5
110+81	RT	R1-1		1			
115+37	LT	R3-7R	6.25				13.5
118+25	LT	W3-1	6.25				13.0
119+88	RT	W9-2R	10			11.0	
120+17	LT	R2-1	7.5			13.5	
121+50	RT	R1-1	6.3				13.5
121+66	LT	R1-1	6.3				15.5
		D3-1	4				
121+63.6	RT	OM4-1	2.3			11.5	
121+79.3	RT	OM4-1	2.3			11.5	
121+92.3	RT	OM4-1	2.3			11.5	
122+00.4	RT	OM4-1	2.3			11.5	
122+03.4	LT	OM4-1	2.3			11.5	
201+00	LT	W14-3	6			27.0	
204+00	RT	W2-7R		1			
209+93	LT	D3-1		1			
209+97	LT	W1-7		1			
212+03	LT	BRISTOL/KINGDOM HALL			1		11.0
215+95	LT	R11-1		1			
216+45	RT	W1-7		1			
218+00	LT	W14-3		1			
219+00	RT	W14-3	6			27.0	
~222+00	LT	W2-7R		1			
DICKSON		W3-1	6.3				13.5
DICKSON		W3-1		1			
DICKSON		R5-2		1			
TOTALS			**76**	**11**	**4**	**147**	**112**

28000500	INLET AND PIPE PROTECTION
28000510	INLET FILTERS

STA/REF BEGIN	EX/NEW	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)
102+67	NEW	1	
105+26	NEW	1	
105+27	EX	1	
112+63	NEW		2
113+33	NEW		2
113+91	NEW		2
114+03	NEW		2
114+80	NEW		1
115+55	NEW		1
116+30	NEW		1
116+69	NEW		1
021+11	NEW		1
021+25	NEW	1	
207+04	NEW	1	
209+18	NEW	1	
209+38	NEW	1	
210+65	NEW		1
211+80	NEW	1	
211+77	EX	1	
TOTALS		**9**	**14**

40600370	LONGITUDINAL JOINT SEALANT
44213200	SAW CUTS

STATION BEGIN	STATION END	LENGTH (FOOT)	SAW CUTS (FT)	LONGITUDINAL JOINT SEALANT (FOOT)
100+00	106+00	600	1200.0	600
106+00	110+50	450	900.0	450
111+76	118+00	624		1248
118+00	121+50	350	250.0	700
121+50	122+00	50	100.0	100
201+00	206+00	500	1000.0	500
206+00	212+00	600	1200.0	600
212+00	218+00	600	1200.0	600
218+00	219+00	100	200.0	100
TOTALS			**6050**	**4898**

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

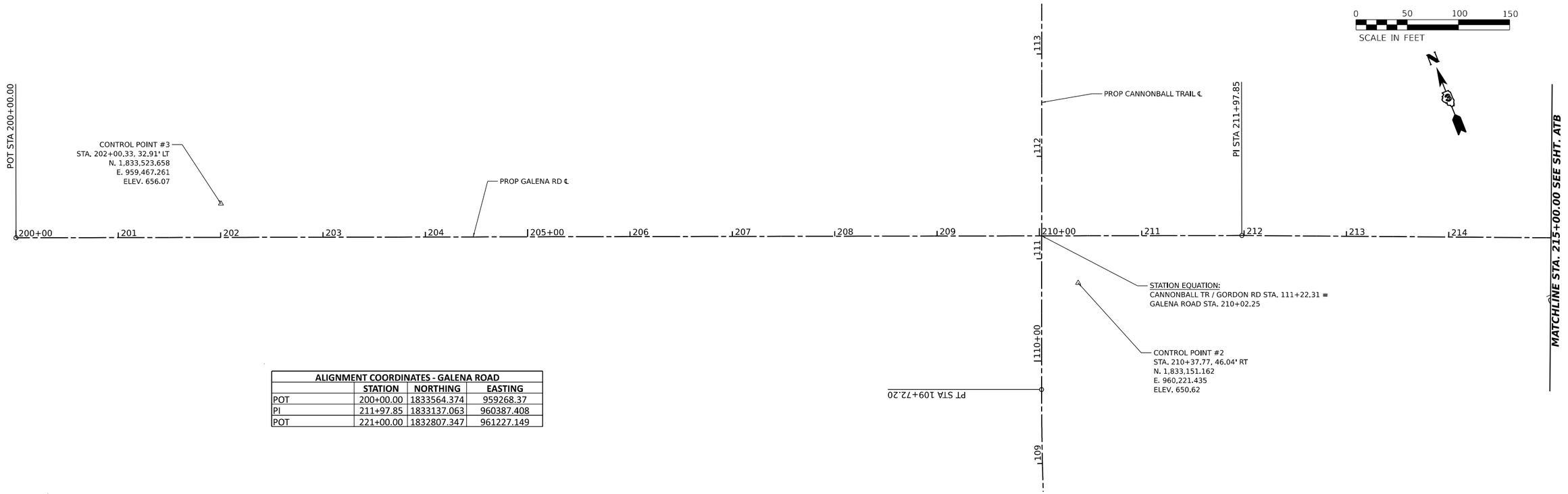
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	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	13
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



ALIGNMENT COORDINATES - GALENA ROAD			
	STATION	NORTHING	EASTING
POT	200+00.00	1833564.374	959268.37
PI	211+97.85	1833137.063	960387.408
POT	221+00.00	1832807.347	961227.149

MODEL: GALENA - ATB [Sheet]
FILE NAME: P:\2022\22013131\Cad\02 Design\CADD Sheets\220131-sht-ATB galena.dgn

HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560
		DRAWN -	REVISED -	
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 10/13/2023	DATE -	REVISED -	

GALENA ROAD
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	14
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

POT STA 100+00.00

CONTROL POINT #1
STA. 102+26.95, 31.78' LT
N. 1,832,353.236
E. 959,931.073
ELEV. 646.851

CP1

PC STA 104+65.66

BM #1
BENCH TIE IN PP
ELEVATION 647.133

PROP CANNONBALL TR / GORDON RD ℄

PI STA 107+19.53

PT STA 109+72.20

PROP GALENA ROAD ℄

STATION EQUATION:
CANNONBALL TR / GORDON RD STA. 111+22.31 =
GALENA ROAD STA. 210+02.25

CP2

CONTROL POINT #2
STA. 110+76.35, 35.63' RT
N. 1,833,151.162
E. 960,221.435
ELEV. 650.623

MATCHLINE STA. 115+00.00 SEE SHT. ATB

PR CURVE ___
PI STA = 107+19.53
Δ = 09°37'46" (RT)
D = 01°54'04"
R = 3,013.92'
T = 253.87'
E = 10.67'
e = ___
TR = ___
SE RUN = ___
PC STA = 104+65.66
PT STA = 109+72.20

PI STA 119+68.86

PT STA 122+09.27

PC STA 116+68.88

STATION EQUATION:
CANNONBALL TRAIL STA. 121+75.97 =
DICKSON ROAD STA. 20+51.34

PROP CANNONBALL TR / GORDON RD ℄

CP6

CONTROL POINT #6
STA. 121+81.32, 118.94' RT
N. 1,833,912.478
E. 960,799.808
ELEV. 651.612

PC STA 128+90.92

MATCHLINE STA. 115+00.00 SEE SHT. ATB

PR CURVE ___
PI STA = 119+68.86
Δ = 61°55'27" (RT)
D = 11°27'33"
R = 500.00'
T = 299.98'
E = 83.09'
e = ___
TR = ___
SE RUN = ___
PC STA = 116+68.88
PT STA = 122+09.27

0 50 100 150
SCALE IN FEET

0 50 100 150
SCALE IN FEET

ALIGNMENT COORDINATES - CANNONBALL TRAIL			
	STATION	NORTHING	EASTING
POT	100+00.000	1832124.484	959917.333
PC	104+65.664	1832580.947	960009.441
PI	107+19.532	1832829.799	960059.656
PT	109+72.204	1833066.745	960150.79
PC	116+68.879	1833716.983	960400.885
PI	119+68.860	1833996.968	960508.573
PT	122+09.270	1834033.724	960806.293
POT	128+90.920	1834117.244	961482.807

MODEL: PrCL2 - ATB-2 [Sheet]
FILE NAME: P:\2022\220131\Cad\02 Design\CADD Sheets\220131-sht-ATB cannonball.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

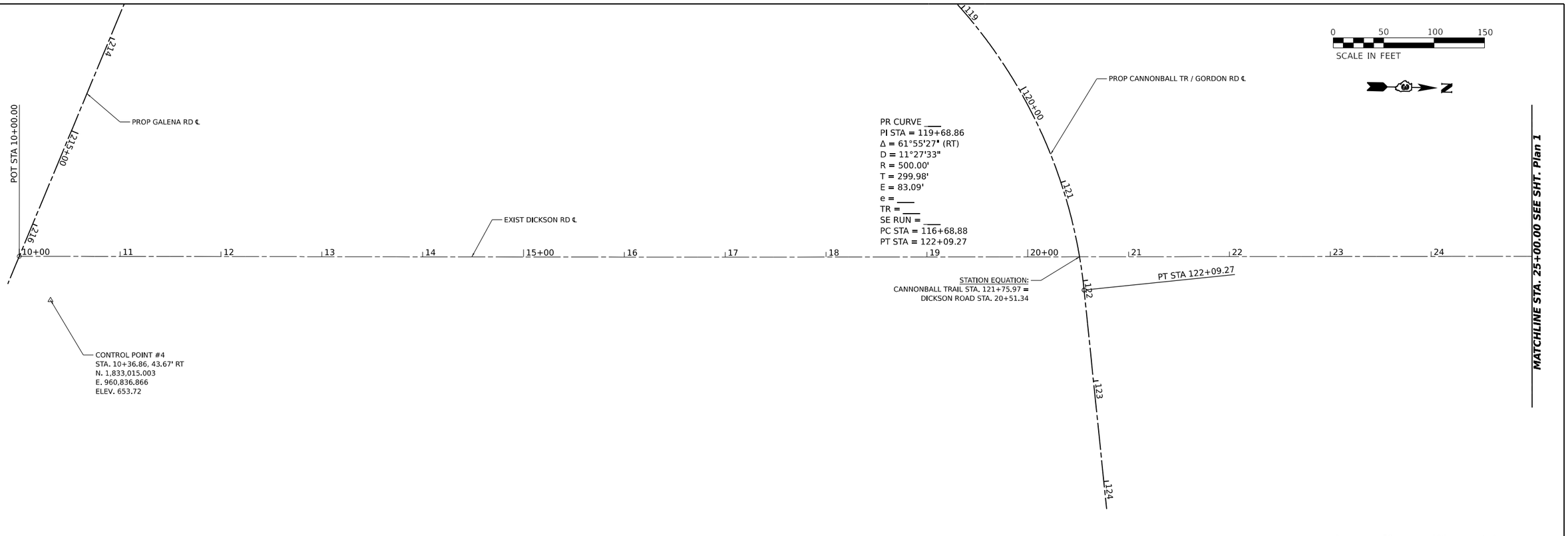
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	DRAWN -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TR / GORDON RD
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	15
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		





ALIGNMENT COORDINATES - DICKSON ROAD			
	STATION	NORTHING	EASTING
POT	10+00.00	1832977.408	960794.028
POT	27+63.30	1834740.331	960758.307

MODEL: Dickson - Plan 1 [Sheet]
FILE NAME: P:\2022\220131\Cad\02 Design\CADD_Sheets\220131-sht-ATB dickson.dgn

HAMPTON, LENZINI AND RENWICK, INC.
385 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

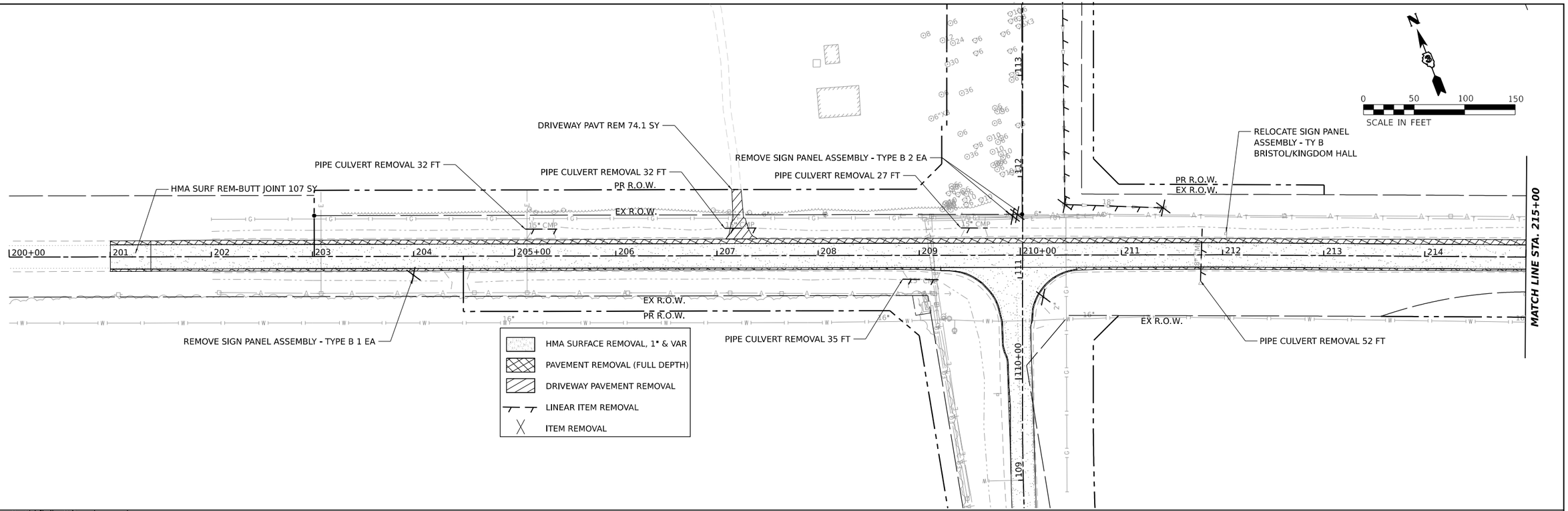
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		DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.		CHECKED -	REVISED -
PLOT DATE = 10/13/2023		DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=50' | SHEET | OF | SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	16
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



MODEL: GALENA - Plan 1 [Sheet]
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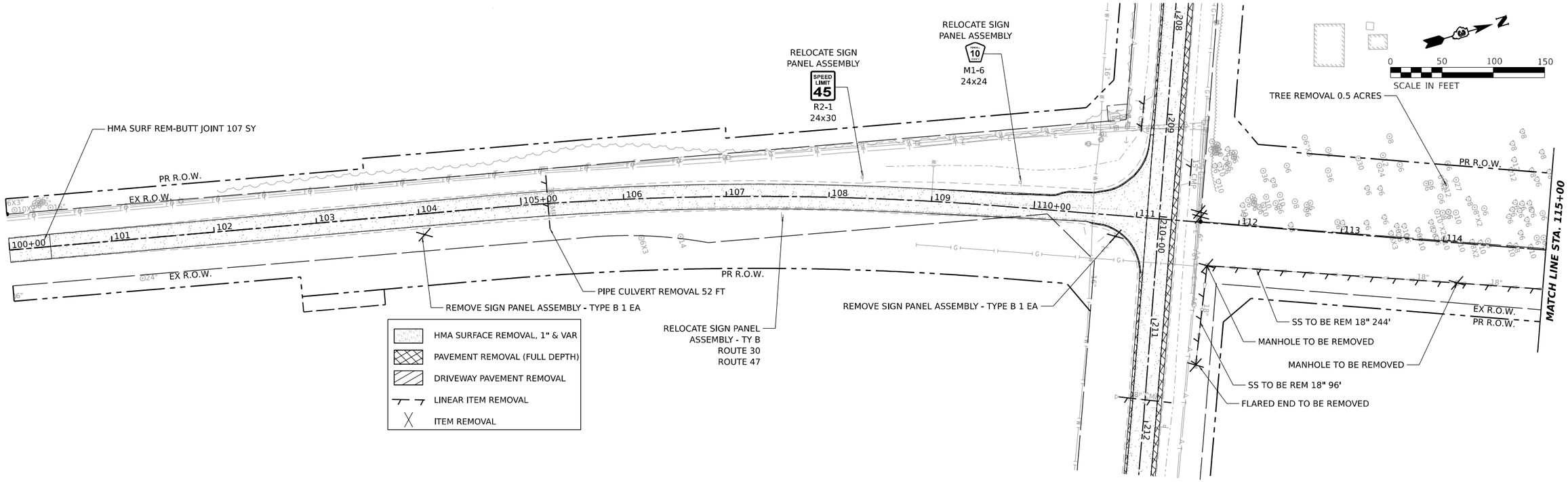
HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
REMOVAL PLAN

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	17
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



MODEL: Cannonball - Plan 3 [Sheet]
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	DRAWN -	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

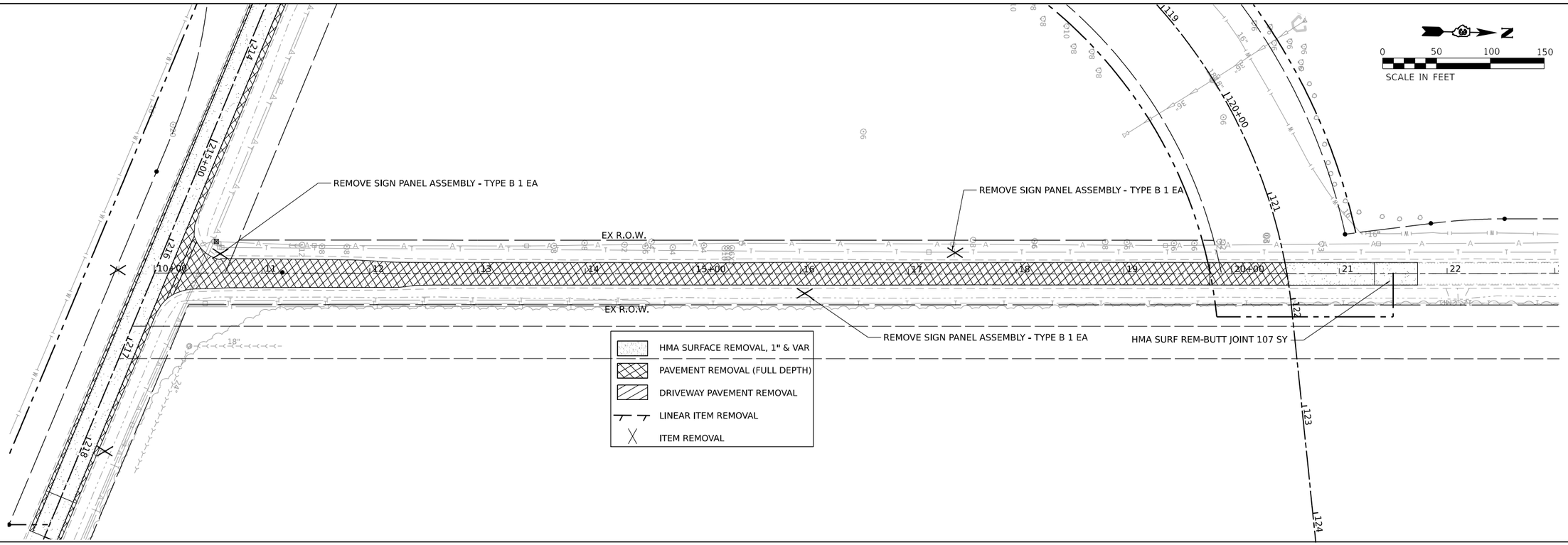
HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TR / GORDON RD
REMOVAL PLAN

SCALE: | SHEET OF SHEETS | STA. | TO STA.

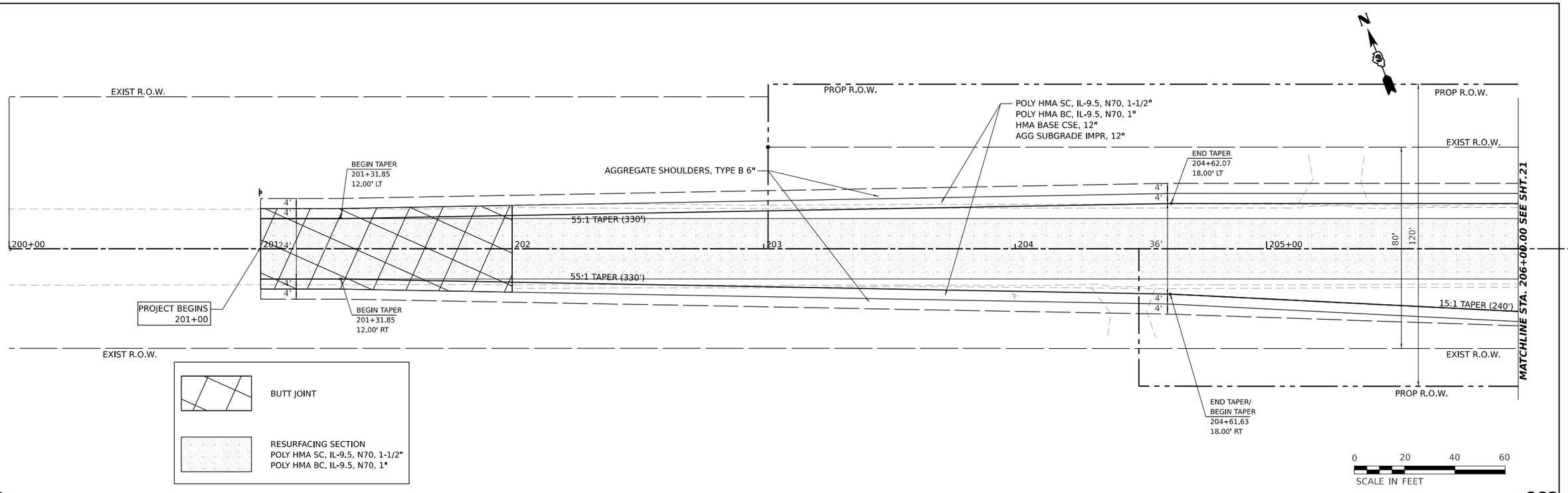
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	18
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

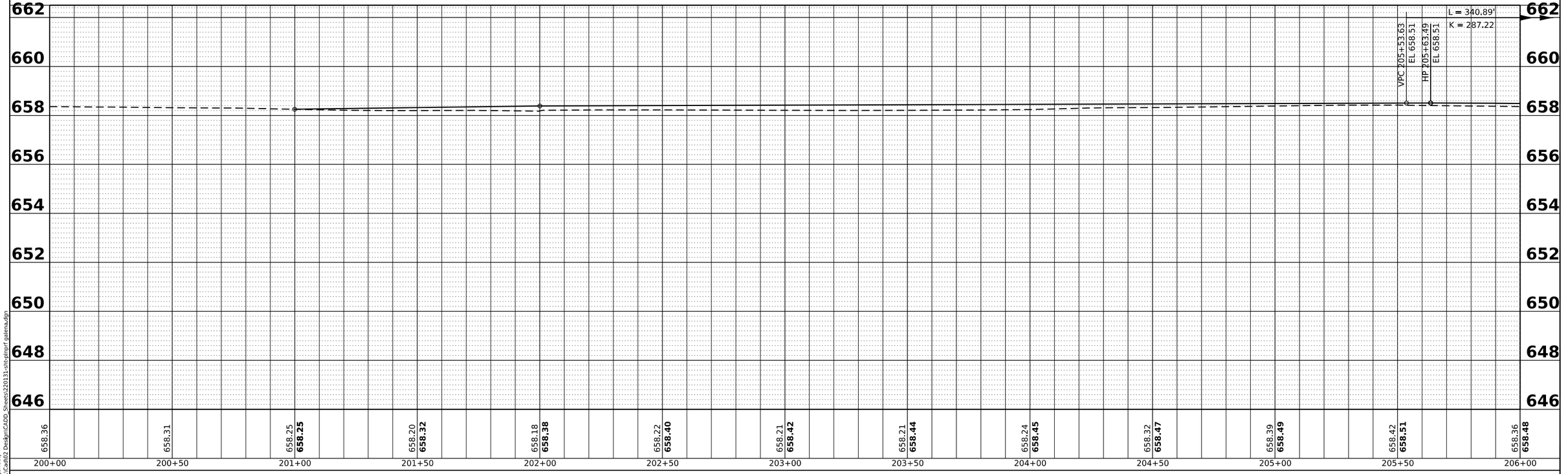


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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	DICKSON ROAD REMOVAL PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	19
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			





PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.A. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: GALENA - Galena1 [Sheet]
FILE NAME: P:\2022\22031\Cad\02 Design\CADD_Sheets\220131-sht-plnprf galena.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD
PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	20
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

AGGREGATE SUBGRADE IMPROVEMENT (CY)
ADDITIONAL 30 INCH DEPTH

RESURFACING SECTION
POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"

HMA SC, IL-9.5, N50, 2"
HMA BC, IL-9.5, N50, 1.5"
HMA BASE CSE, 5"
AGG SUBGRADE IMPR, 12"

AGGREGATE SUBGRADE IMPROVEMENT
ADDITIONAL 30 INCH DEPTH (VERIFY IN FIELD)
152 CY (SEE SCHEDULES)

MATCHLINE STA. 112+00.00 SEE SHT26

HMA SC, IL-9.5, N50, 2"
HMA BC, IL-9.5, N50, 1.5"
HMA BASE CSE, 5"
AGG SUBGRADE IMPR, 12"

AGGREGATE SUBGRADE IMPROVEMENT
ADDITIONAL 30 INCH DEPTH (VERIFY IN FIELD)
664 CY (SEE SCHEDULES)

HMA DRIVEWAY PAVEMENT, 3" 65.8 SY
AGGREGATE BASE CSE B, 6" 65.8 SY

PROP R.O.W.

EXIST R.O.W.

B-6.12 CC&G

BEGIN B-6.12 CC&G
PC:
208+45.35
21.01' LT

END SHOULDER
208+45.36
18.01' LT

PC:
209+34.70
34.67' LT

PC:
210+05.80
56.02' LT

PT:
210+10.96
56.01' LT

SB-6.12 MEDIAN

PCC:
210+50.53
43.79' LT

END B-6.12 CC&G
PT:
210+84.81
32.99' LT

BEGIN SHOULDER
210+84.81
29.99' LT

EXIST R.O.W.

MATCHLINE STA. 206+00.00 SEE SHT.20

MATCHLINE STA. 212+00.00 SEE SHT.22

206 207 208 209 210+00 211

12' 80' +22 120' 120' 10' R 300' R 50' R 60' R 3' R 50'

15:1 TAPER (240')

EXIST R.O.W.

AGGREGATE SHOULDERS, TYPE B 6"

END AGG SHOULDER
END TAPER
207+01.53
30.00' RT

POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"
HMA BASE CSE, 12"
AGG SUBGRADE IMPR, 12"

PC:
209+17.07
30.00' RT

PCC:
209+63.52
61.48' RT

R 50' R 250'

111

R 50' R 250'

PCC:
210+66.29
35.47' RT

BEGIN AGG SHOULDER
PT:
211+59.55
18.05' RT

AGGREGATE SHOULDERS, TYPE B 6"

EXIST R.O.W.

PROP R.O.W.

MATCHLINE STA. 110+50.00 SEE SHT.25

0 20 40 60
SCALE IN FEET

662 660 658 656 654 652 650 648 646

+0.03% -1.15% -1.15% -0.06%

VPI 207+24.07
EL 658.57

L = 340.89'
K = 287.22

VPT 208+94.52
EL 656.60

VPC 209+66.11
EL 655.78

L = 259.50'
K = 236.83

VPI 210+95.86
EL 654.28

| | | |

RESURFACING SECTION
POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"

EXIST R.O.W.

10'

BEGIN AGG SHOULDER
BEGIN TAPER
212+92.84
34.00' LT

4'

15:1 TAPER (240')

POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"
HMA BASE CSE, 12"
AGG SUBGRADE IMPR, 12"

END TAPER/
BEGIN TAPER
215+32.85
18.00' LT

4'
4'

55:1 TAPER (330')

55:1 TAPER (330')

4'
4'

BEGIN TAPER
215+32.30
18.00' RT

EXIST R.O.W.

PROP R.O.W.

EXIST R.O.W.

AGGREGATE SHOULDERS, TYPE B 6"

MATCHLINE STA. 212+00.00 SEE SHT.21

MATCHLINE STA. 218+00.00 SEE SHT.23

212 | 213 | 214 | 215+00 | 216 | 217

120' | 48' | 36' | 95' | 75' | 25'

POT STA 10+00.00

LT

N

0 20 40 60
SCALE IN FEET

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

660
658
656
654
652
650
648
646
644

L = 259.50'
K = 236.83

VPT 212+25.61
EL 654.21

212+00	212+50	213+00	213+50	214+00	214+50	215+00	215+50	216+00	216+50	217+00	217+50	218+00
654.04 **654.23**	654.08 **654.19**	654.10 **654.16**	654.08 **654.14**	654.05 **654.11**	654.00 **654.08**	653.90 **654.05**	653.88 **654.02**	653.90 **653.99**	653.95 **653.97**	653.94 **653.94**	653.92 **653.91**	653.75 **653.88**

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

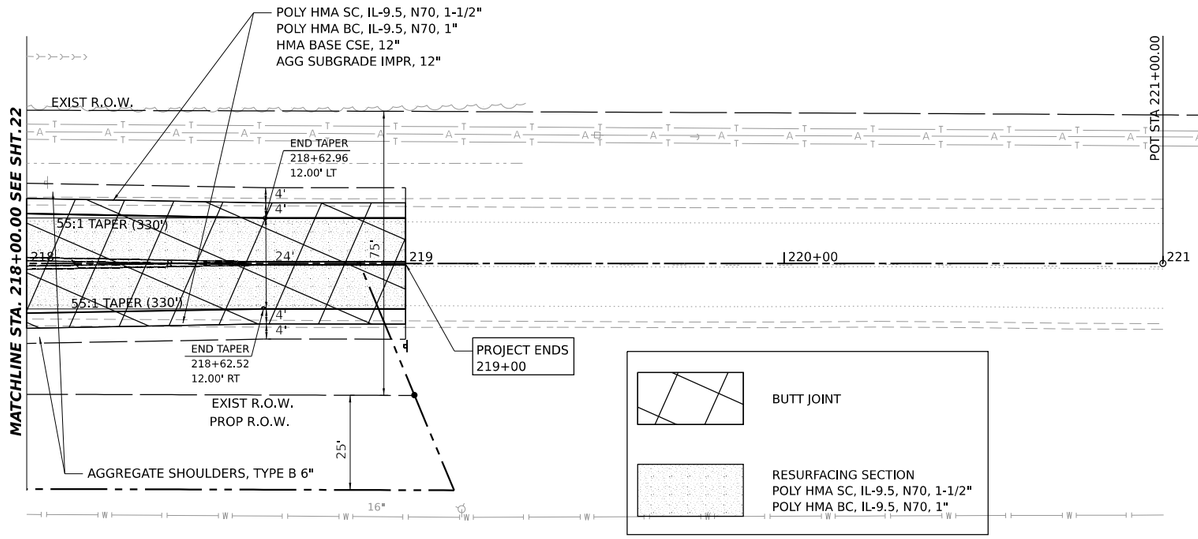
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

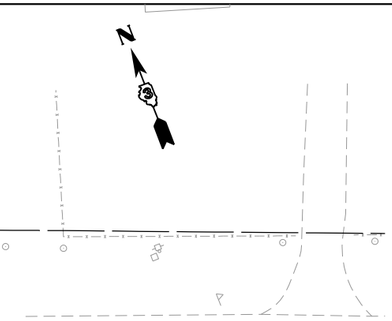
KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD
PLAN AND PROFILE

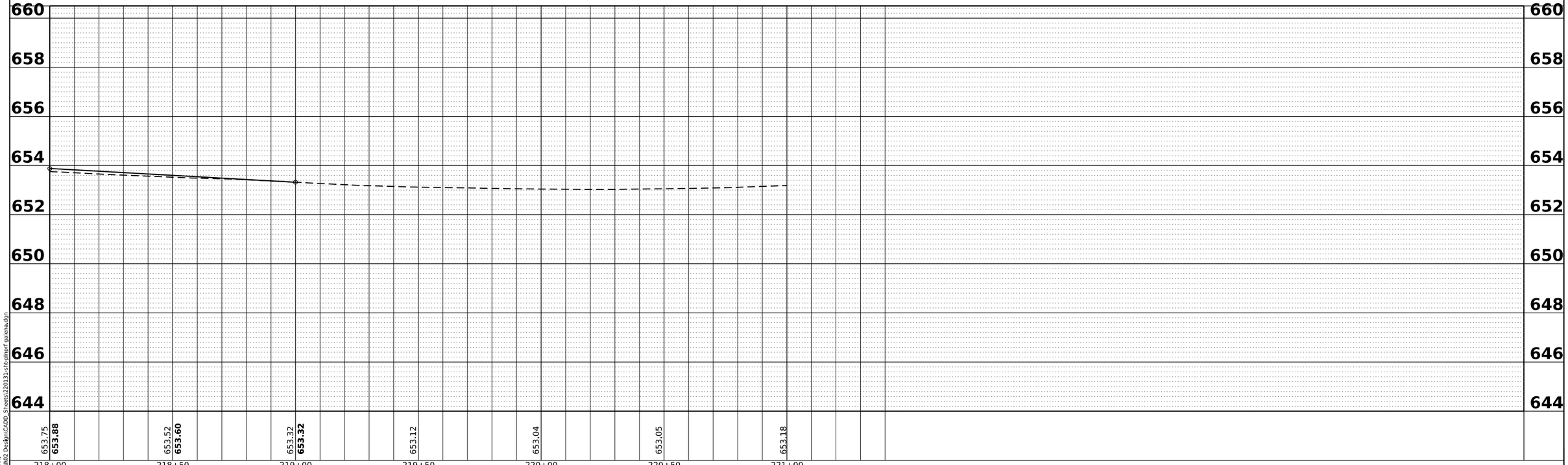
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	22
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			





0 20 40 60
SCALE IN FEET



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.R. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD
PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	23
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

BUTT JOINT

RESURFACING SECTION
POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"

PROJECT BEGINS
100+00

PROP R.O.W.

EXIST R.O.W.

AGGREGATE SHOULDER, TYPE B 6"

4'
4'
36'
100'
70'
100+00
101
102
103
104
105+00
128'
R 3032'
R 2996'

BUTT JOINT

EXIST R.O.W.

PROP R.O.W.

PC:
102+55.67
22.00' RT

R 50'

PT:
103+88.60
22.00' RT

PC:
104+65.66
18.00' LT

EXIST R.O.W.

PC:
104+65.66
18.00' RT

EXIST R.O.W.

MATCHLINE STA. 106+00.00 SEE SHT. 25

POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"
HMA BASE CSE, 12"
AGG SUBGRADE IMPR, 12"

POLY HMA SC, IL-9.5, N70, 1-1/2"
POLY HMA BC, IL-9.5, N70, 1"
HMA BASE CSE, 12"
AGG SUBGRADE IMPR, 12"

PT:
103+05.60
72.00' RT

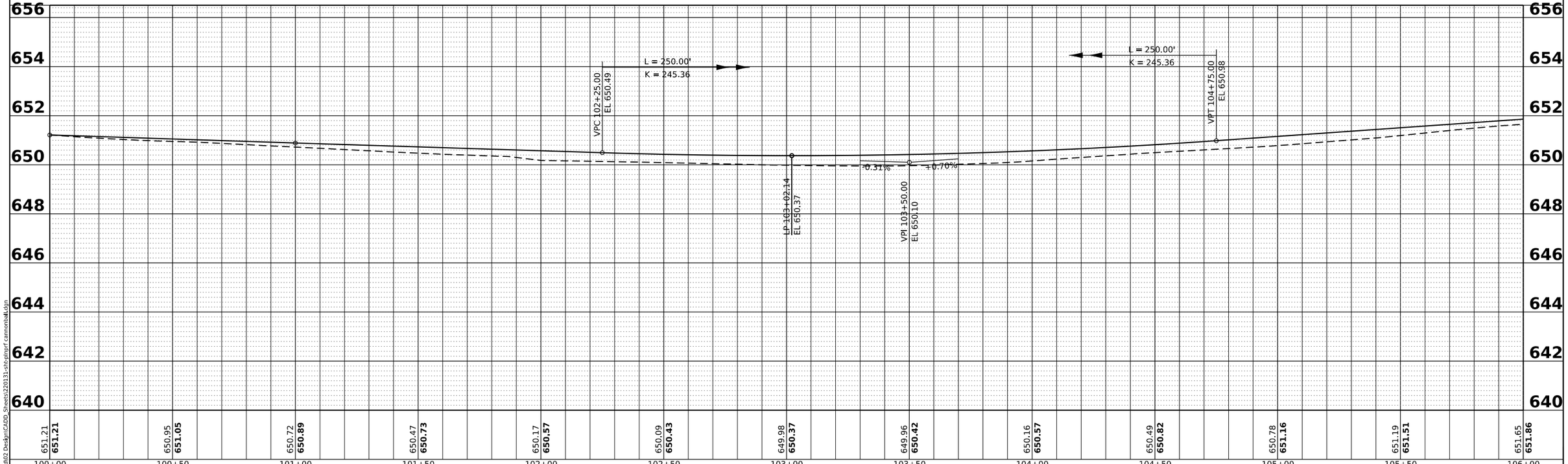
PC:
103+38.60
72.00' RT

PROP R.O.W.

R 50'

0 20 40 60
SCALE IN FEET

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



PROFILE
SURVEYED
PLOTTED
CROSS CHECKED
R.R.A. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: Gordon [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

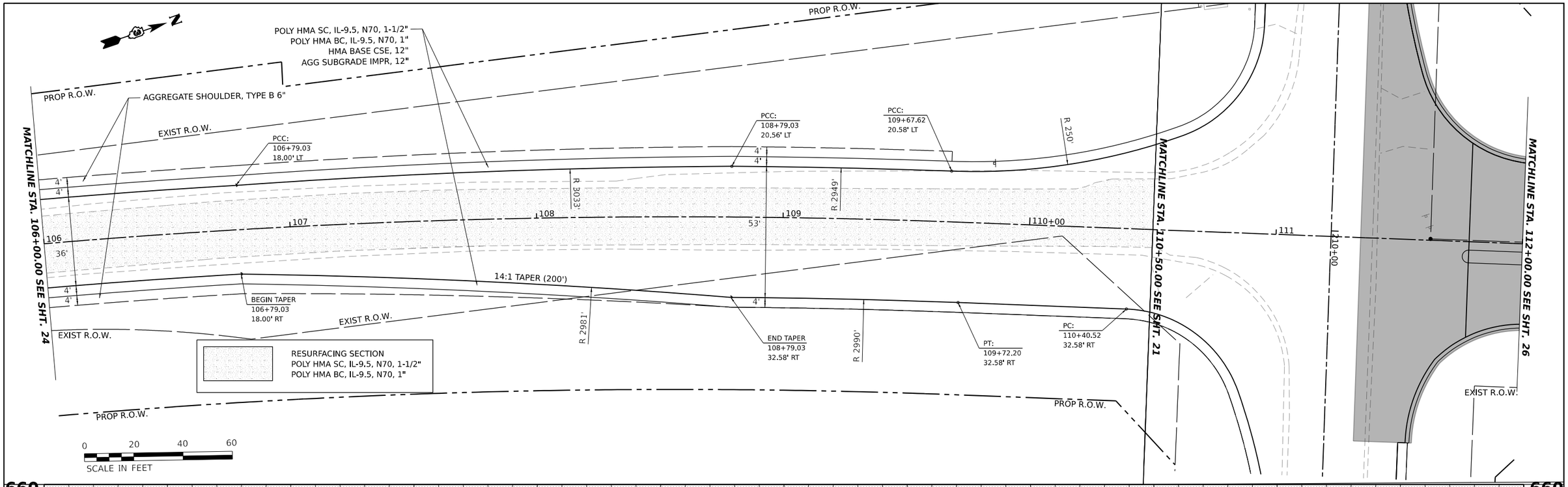
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	24
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
CROSS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
DATE
BY

MODEL: Gordon-1 [Sheet]
FILE NAME: P:\2022\22031\Cad\02 Design\CADD_Sheets\220131-sht-plnprf cannonball.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	25
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

NOTE: = AGGREGATE SUBGRADE IMPROVEMENT (CY) ADDITIONAL 30 INCH DEPTH

HMA SC, IL-9.5, N50, 2"
HMA BC, IL-9.5, N50, 1.5"
HMA BASE CSE, 5"
AGG SUBGRADE IMPR, 12"

PROP R.O.W.

AGGREGATE SUBGRADE IMPROVEMENT
ADDITIONAL 30 INCH DEPTH (VERIFY IN FIELD)
1628 CY (SEE SCHEDULES)

B-6.12 CC&G

SB-6.12 MEDIAN

PT: 112+04.52, 32.58' LT

MATCHLINE STA. 112+00.00 SEE SHT. 25

36'

24'

5'

112

BEGIN TAPER 113+03.34, 3.42' RT

BEGIN TAPER 113+03.34, 8.58' RT

113

114

13:1 TAPER (155')

13:1 TAPER (155')

145'

60'

PT: 112+02.49, 32.58' RT

EXIST R.O.W.

PROP R.O.W.

END TAPER 114+58.34, 8.58' LT

END TAPER 114+58.34, 3.42' LT

115+00

115+83.34, 8.58' LT

R 2.58'

116

115+83.34, 3.42' LT

PT: 116+09.15, 82.58' LT

PC: 116+42.15, 82.58' LT

PC: 115+59.15, 32.58' LT

R 50'

R 50'

HMA SC, IL-9.5, N50, 2"
HMA BC, IL-9.5, N50, 1.5"
HMA BASE CSE, 5"
AGG SUBGRADE IMPR, 12"

PT: 116+90.65, 33.09' LT

PC: 117+12.48, 32.58' LT

PROP R.O.W.

24'

116+68.88, 8.58' LT

R 8.58'

117

116+68.88, 7.00' RT

24'

R 533'

R 521'

R 509'

R 491'

140'

R 467'

B-6.12 CC&G (REV PITCH)

TOPSOIL EXCAVATION AND PLACE (4" DEPTH PLACEMENT)

EXIST R.O.W.

B-6.12 CC&G

PROP R.O.W.

MATCHLINE STA. 118+00.00 SEE SHT. 27

0 20 40 60
SCALE IN FEET

L = 135.00'
K = 109.17

L = 135.00'
K = 109.17

VPC 113+32.50
EL 654.41

LP 113+91.08
EL 654.26

VPI 114+00.00
EL 654.05

VPT 114+67.50
EL 654.52

-0.54%

+0.70%

660	658	656	654	652	650	648	646	644

652.27 **655.12**	652.92 **654.85**	652.83 **654.59**	653.15 **654.33**	653.40 **654.26**	653.61 **654.41**	655.03 **654.75**	655.49 **655.10**	656.01 **655.45**	655.93 **655.80**	655.55 **656.15**	655.60 **656.50**	654.55 **656.85**

112+00 112+50 113+00 113+50 114+00 114+50 115+00 115+50 116+00 116+50 117+00 117+50 118+00

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE
NOTE BOOK
NO.

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

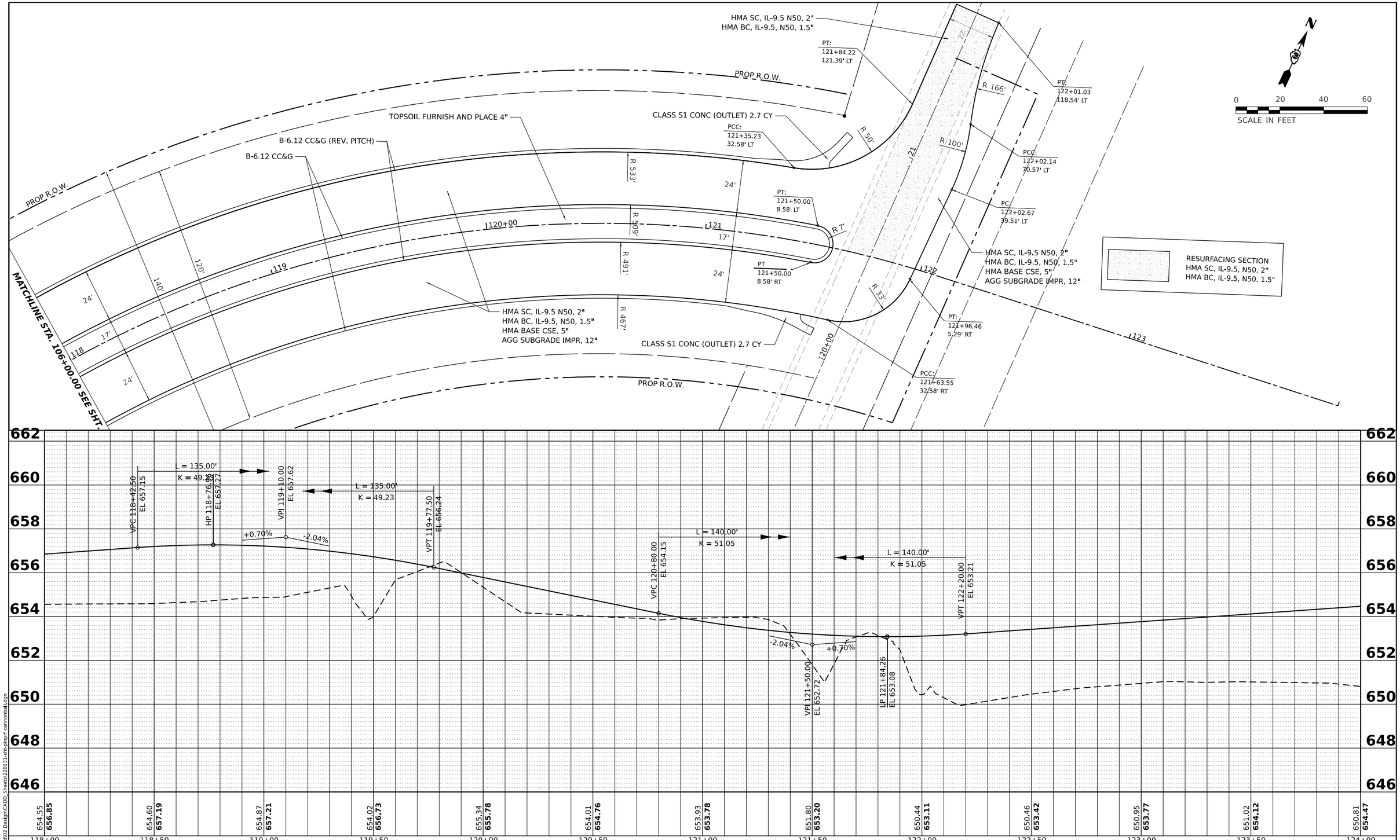
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	DRAWN -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GORDON ROAD
PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	26
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.A. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
DATE
BY

MODEL: Gordon-3 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GORDON ROAD
PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

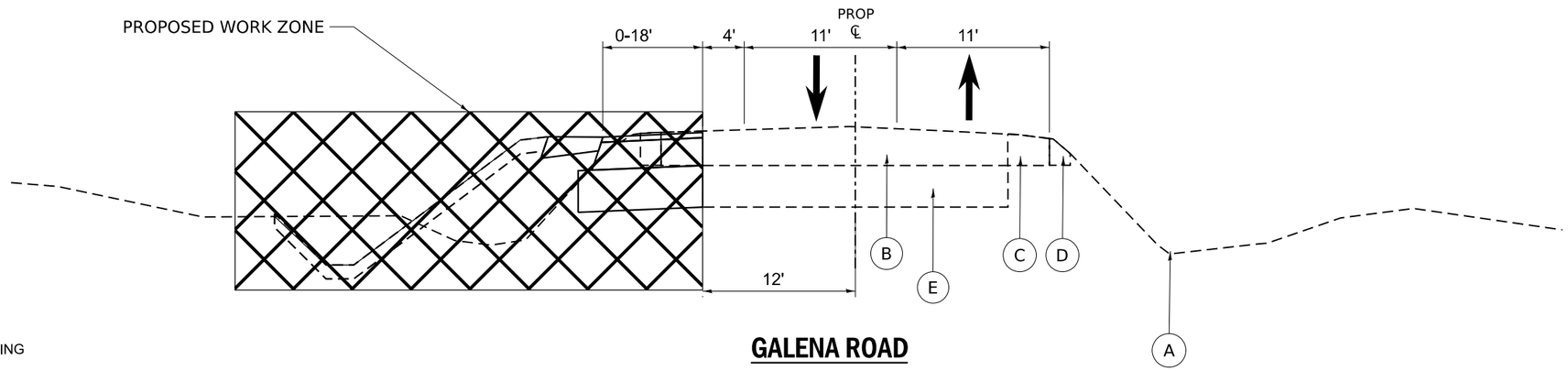
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	27
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

EXISTING LEGEND

- (A) EXISTING TURF PARKWAY
- (B) EXISTING BITUMINOUS PAVEMENT
- (C) EXISTING HMA SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING AGGREGATE BASE
- (F) HMA SURFACE REMOVAL

SEQUENCE OF CONSTRUCTION

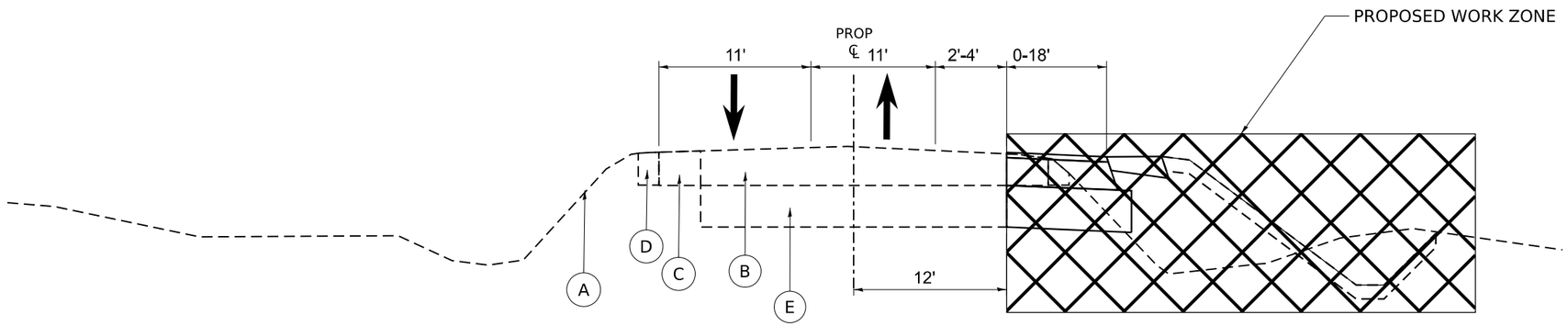
1. INSTALL CULVERTS/STORM SEWER
2. MILL HMA SURFACE
3. STAGE 1 - CONSTRUCT GORDON RD, GALENA RD NORTH SIDE WIDENING, CANNONBALL EAST SIDE WIDENING
4. STAGE 2A - FINALIZE DICKSON/GORDON INTERSECTION
5. STAGE 2B - CONSTRUCT GALENA RD SOUTH SIDE WIDENING, CANNONBALL TR WEST SIDE WIDENING, REMOVE DICKSON ROAD
6. SURFACE COURSE
7. LANDSCAPING



GALENA ROAD
STAGE 1
LOOKING EAST
STA 201+00 TO 219+00

104+15.00	1.5%	1.5%
104+45.00	0.0%	1.5%
104+75.00	1.5%	1.5%
109+65.00	1.5%	1.5%
109+95.00	0.0%	1.5%
110+25.00	1.5%	1.5%

*SE PIVOT POINT BASED ON CL



CANNONBALL TRAIL
STAGE 1
LOOKING NORTH
STA 100+00 TO 110+64

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC. 300 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560
		DRAWN -	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 10/13/2023	DATE -	REVISED -	

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
STAGE 1

SCALE: | SHEET OF SHEETS | STA. | TO STA.

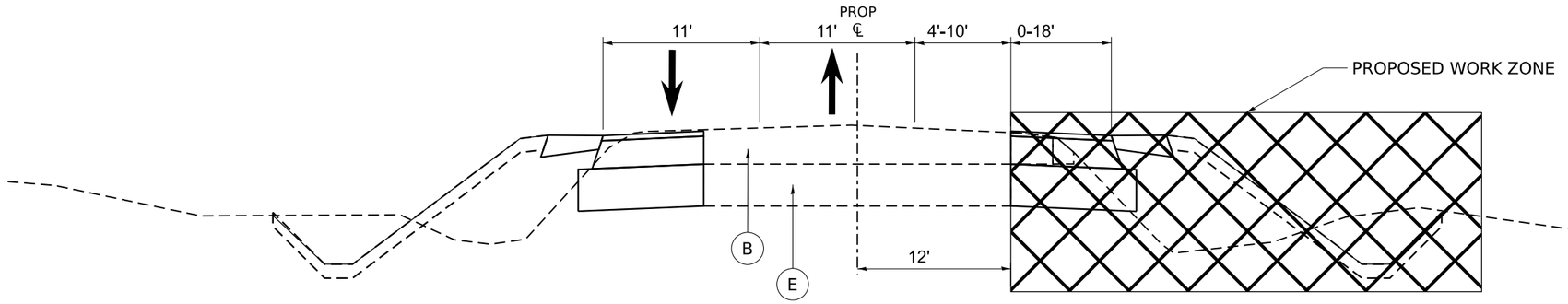
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	28
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EXISTING LEGEND

- (A) EXISTING TURF PARKWAY
- (B) EXISTING BITUMINOUS PAVEMENT
- (C) EXISTING HMA SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING AGGREGATE BASE
- (F) HMA SURFACE REMOVAL

SEQUENCE OF CONSTRUCTION

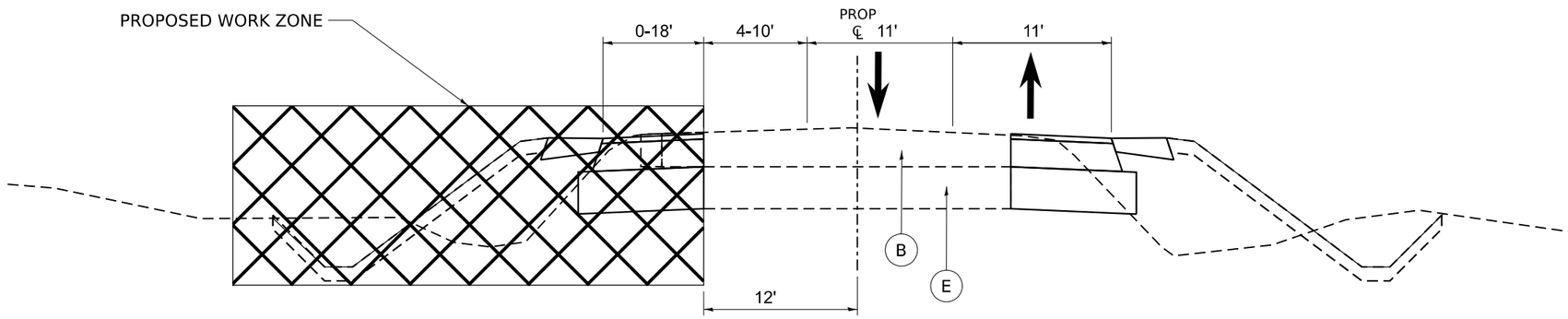
1. INSTALL CULVERTS/STORM SEWER
2. MILL HMA SURFACE
3. STAGE 1 - CONSTRUCT GORDON RD, GALENA RD NORTH SIDE WIDENING, CANNONBALL EAST SIDE WIDENING
4. STAGE 2A - FINALIZE DICKSON/GORDON INTERSECTION
5. STAGE 2B - CONSTRUCT GALENA RD SOUTH SIDE WIDENING, CANNONBALL TR WEST SIDE WIDENING, REMOVE DICKSON ROAD
6. SURFACE COURSE
7. LANDSCAPING



GALENA ROAD
STAGE 2
LOOKING EAST
STA 201+00 TO 219+00

104+15.00	1.5%	1.5%
104+45.00	0.0%	1.5%
104+75.00	1.5%	1.5%
109+65.00	1.5%	1.5%
109+95.00	0.0%	1.5%
110+25.00	1.5%	1.5%

*SE PIVOT POINT BASED ON CL

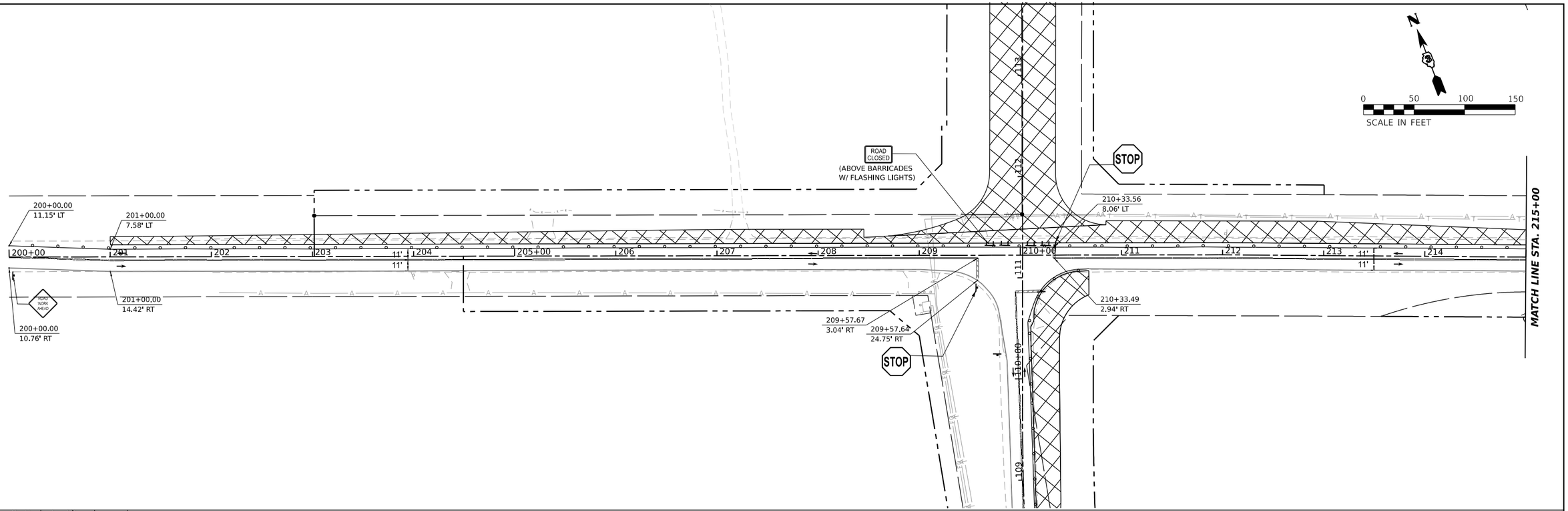


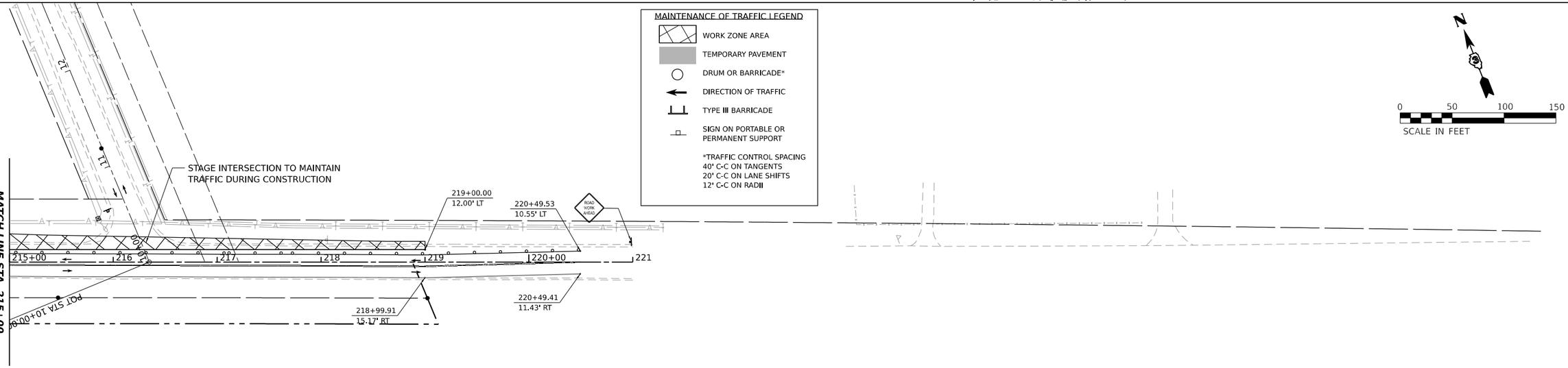
CANNONBALL TRAIL
STAGE 2
LOOKING NORTH
STA 100+00 TO 110+64

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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS STAGE 2
		DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	29
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		





MODEL: GALENA - Plan 1 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
MAINTENANCE OF TRAFFIC – STAGE 1

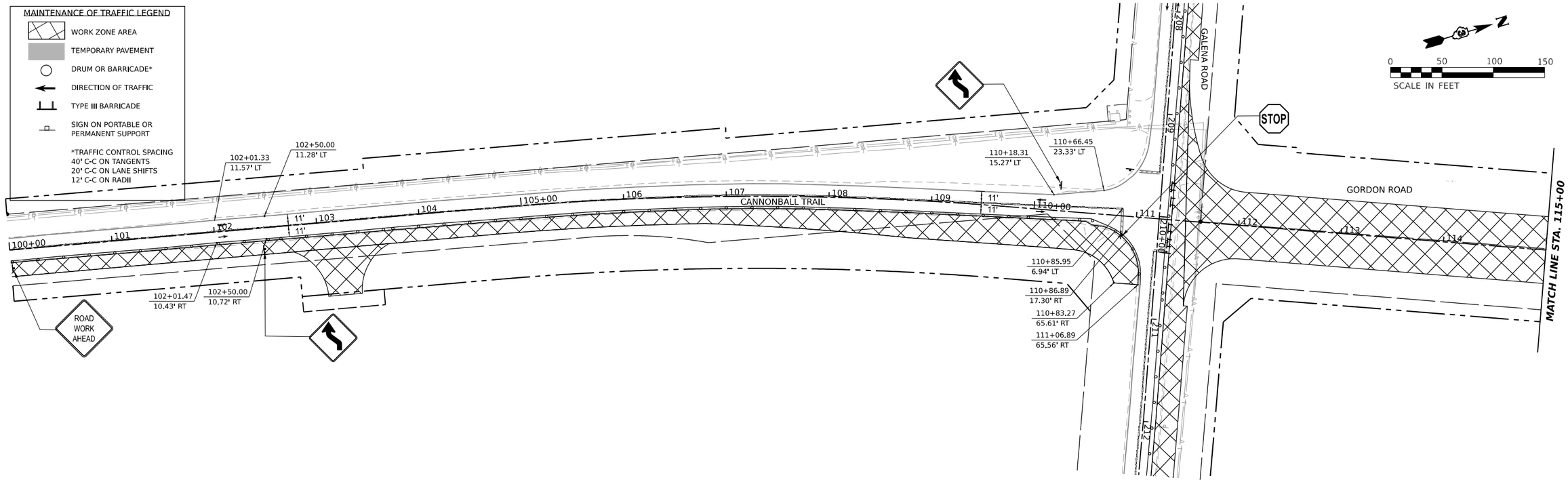
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	CONTRACT NO.			
	ILLINOIS FED. AID PROJECT			

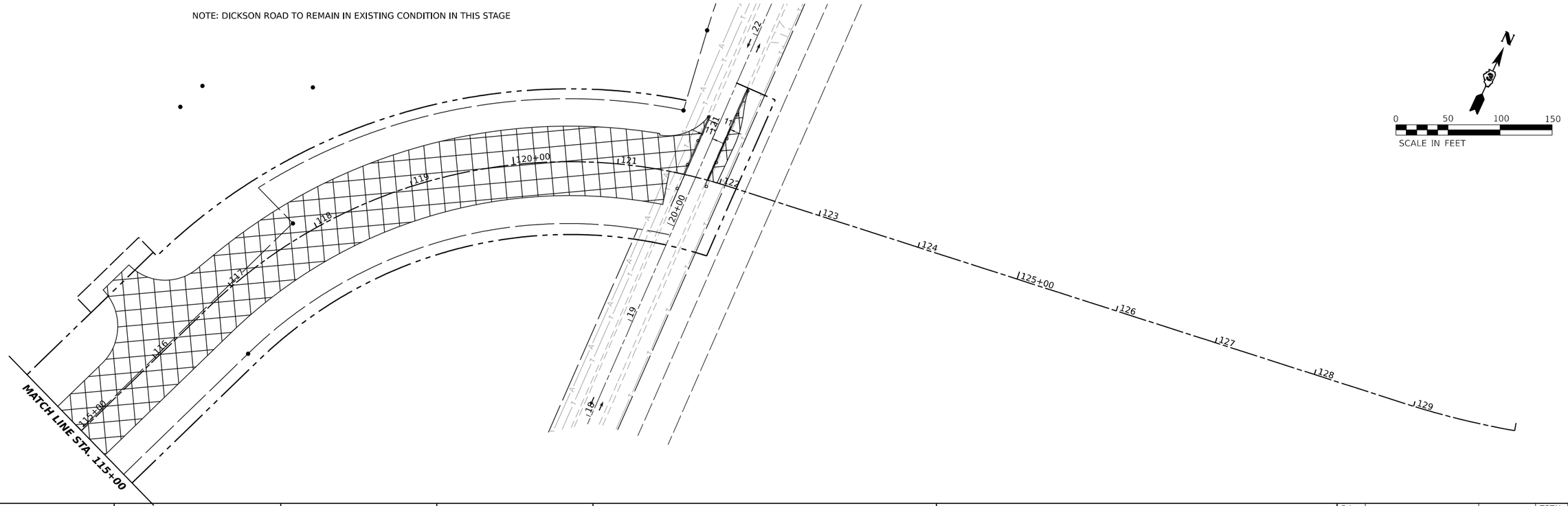
MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- DRUM OR BARRICADE*
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT

*TRAFFIC CONTROL SPACING
40' C-C ON TANGENTS
20' C-C ON LANE SHIFTS
12' C-C ON RADII



NOTE: DICKSON ROAD TO REMAIN IN EXISTING CONDITION IN THIS STAGE



HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

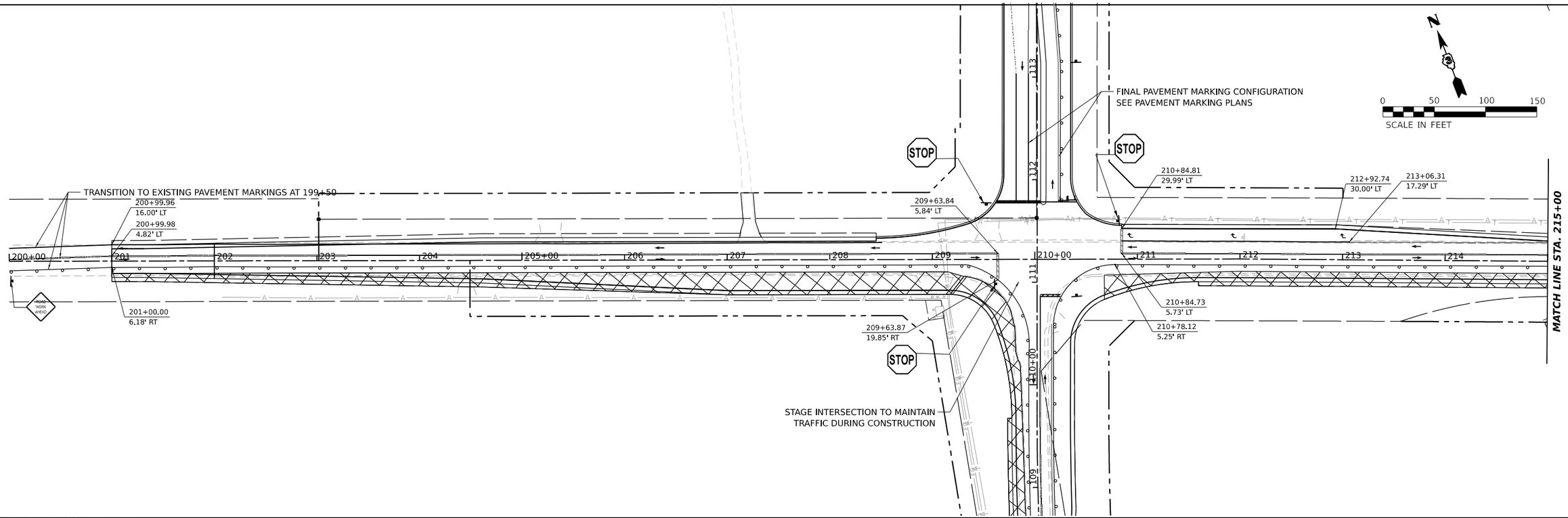
KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON ROAD
MAINTENANCE OF TRAFFIC – STAGE 1

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	31
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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MODEL: GALENA - Plan 1 [Sheet]
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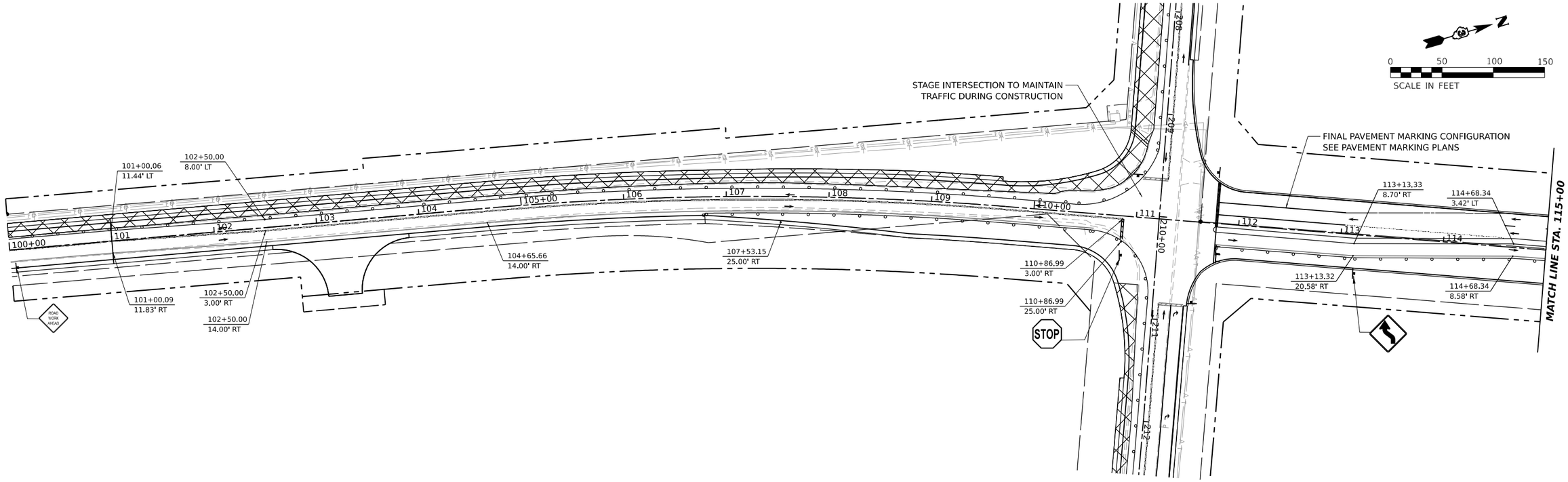
HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
MAINTENANCE OF TRAFFIC – STAGE 2A

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	32
	CONTRACT NO.			
	ILLINOIS FED. AID PROJECT			



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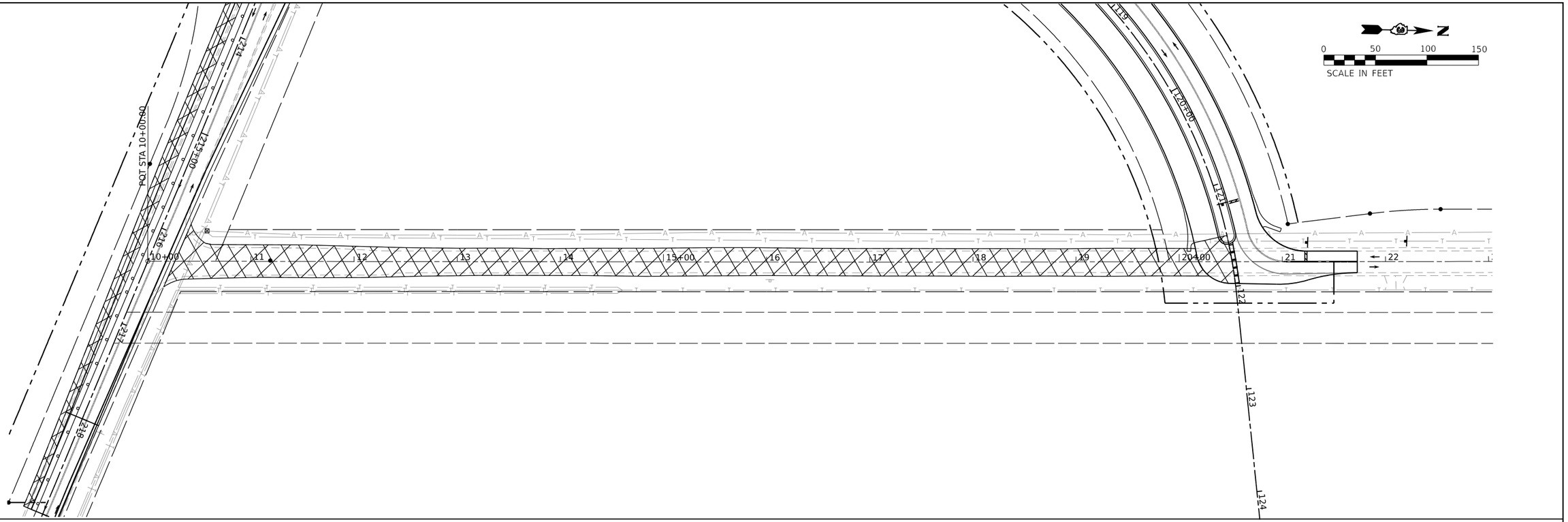
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON ROAD
MAINTENANCE OF TRAFFIC – STAGE 2A

SCALE: | SHEET OF SHEETS | STA. TO STA.

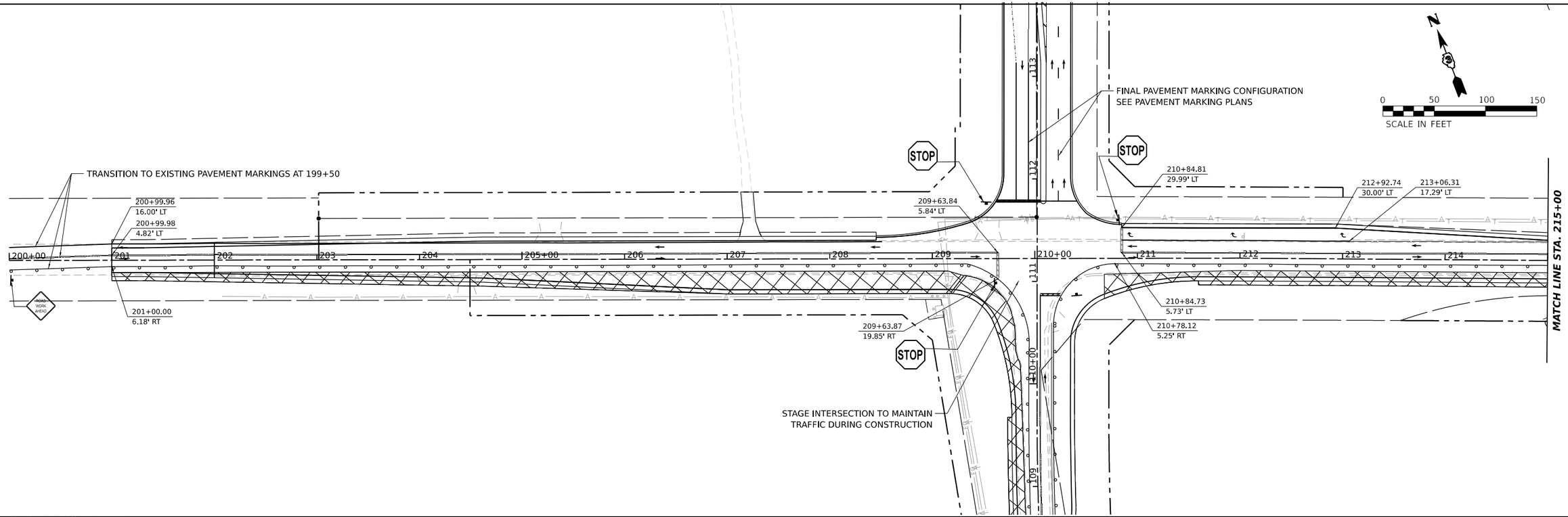
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	ILLINOIS	FED. AID PROJECT		

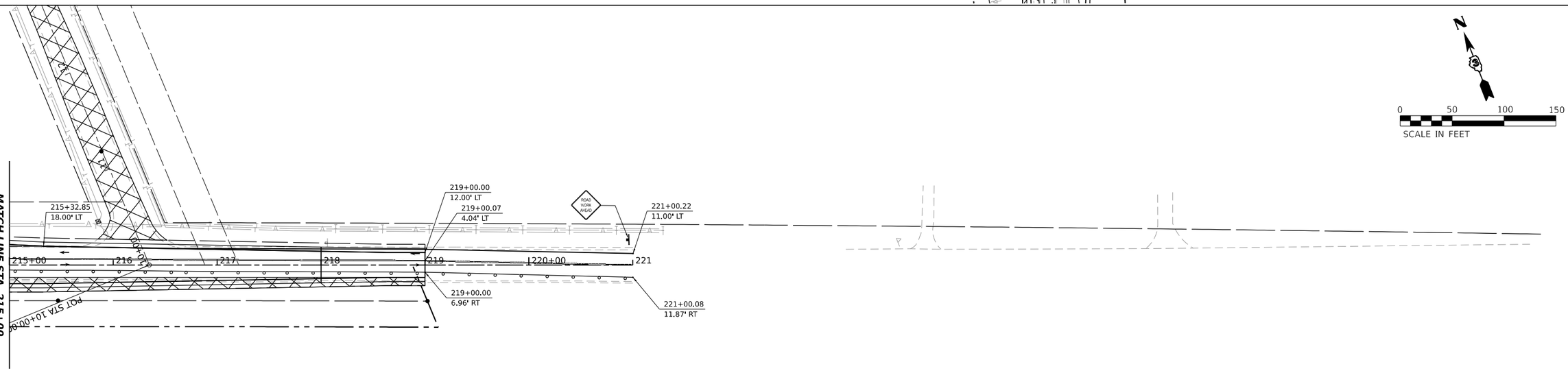


HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	DICKSON ROAD MAINTENANCE OF TRAFFIC – STAGE 2A
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	34
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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MODEL: GALENA - Plan 1 [Sheet]
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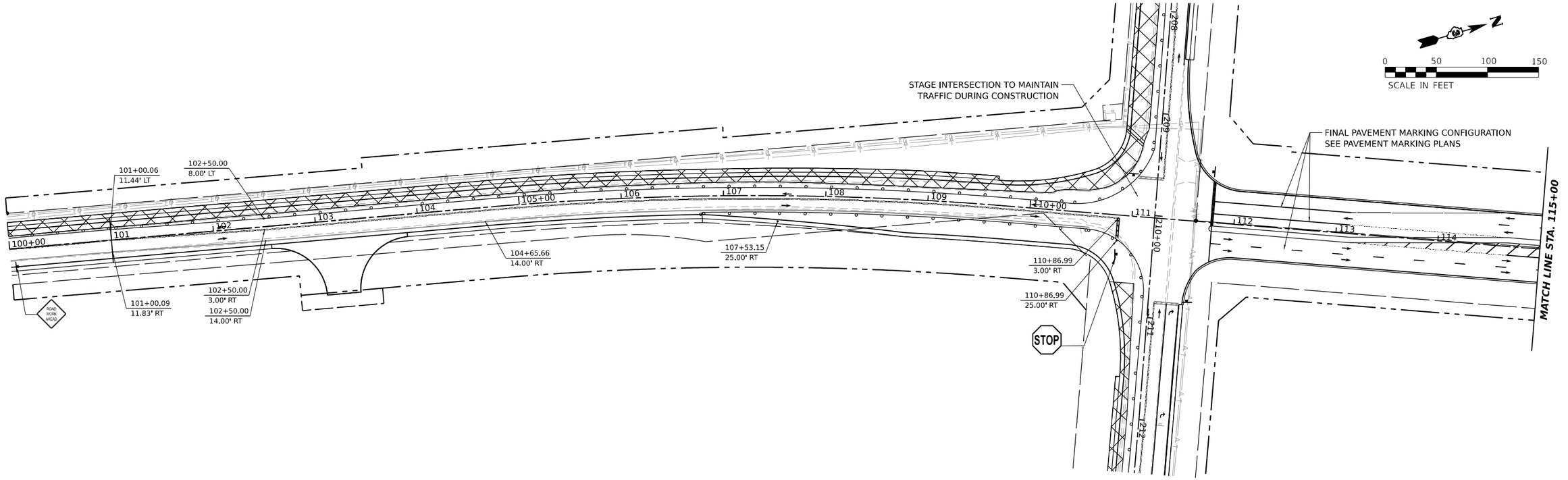
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

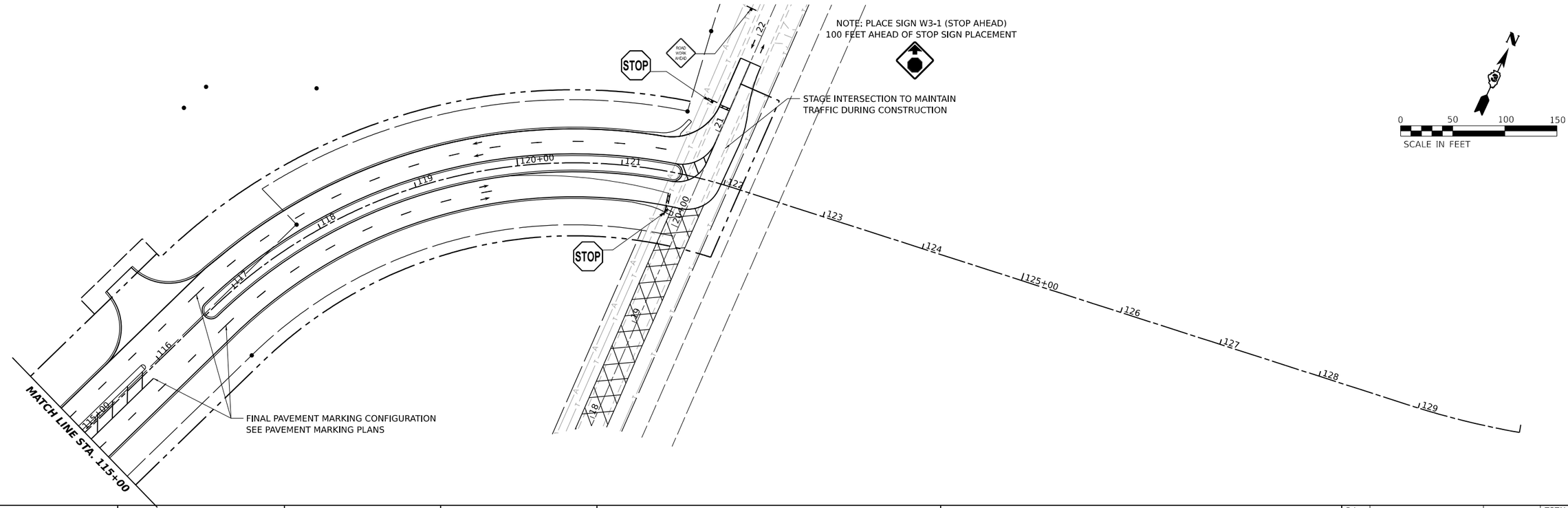
KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
MAINTENANCE OF TRAFFIC – STAGE 2B

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	35
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		





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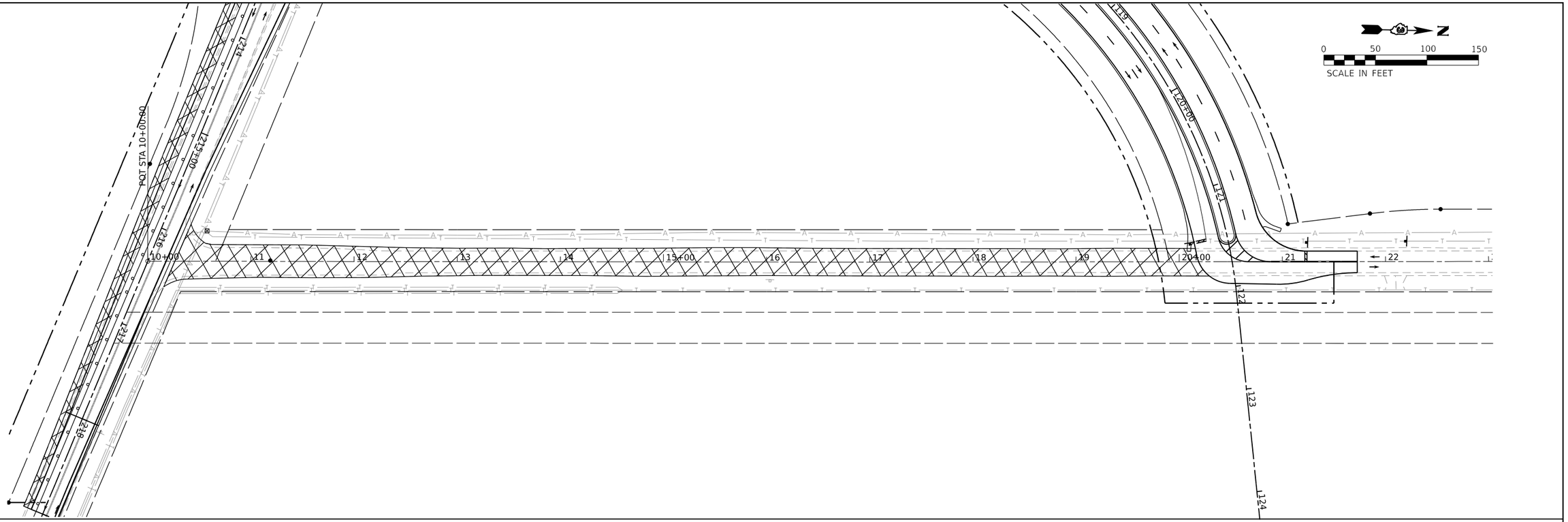
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON ROAD
MAINTENANCE OF TRAFFIC – STAGE 2B

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	36
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	DICKSON ROAD MAINTENANCE OF TRAFFIC – STAGE 2B
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	37
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Dickson - Plan 5-1-1 [Sheet]
FILE NAME: P:\2022\220131\Cad\02 Design\CADD Sheets\220131-sht-MOT Stage 2b.dgn

SOIL EROSION AND SEDIMENT CONTROL

THE SOIL EROSION AND SEDIMENT CONTROL MEASURES ILLUSTRATED ON THE PLANS AND WITHIN THE SWPPP ARE A MINIMUM AND MAY DEPEND ON FIELD CONDITIONS, WEATHER CONDITIONS, TIMING OF CONSTRUCTION, ETC. THE CONTRACTOR SHALL CONSIDER THE EROSION CONTROL PLAN DYNAMIC AND UPDATE THE PLAN AND SWPPP AS NECESSARY. THE GOVERNING AGENCIES HAVE THE RIGHT TO REQUEST ADDITIONAL MEASURES TO ENSURE WATER QUALITY. THE ADDITIONAL REQUESTED MEASURES SHALL BE INSTALLED WITHIN 24 HOURS.

THE SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE ILLINOIS URBAN MANUAL, UNLESS OTHERWISE NOTED WITHIN THE PLANS.

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS. SILT FENCE SHALL REMAIN ON SITE AND MAINTAINED UNTIL THE DISTURBED GROUND IS STABILIZED WITH 70% VEGETATION COVERAGE.

STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NOT LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA.

ALL TEMPORARY AND PERMANENT EROSION-CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED BY THE CONTRACTOR AS NEEDED WITHIN 24 HOURS OF DISCOVERY. MAINTENANCE NOT PERFORMED IN A TIMELY FASHION MAY RESULT IN AN INCIDENCE OF NON-COMPLIANCE, ALL OF THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COSTS OF THE VARIOUS EROSION CONTROL PAY ITEMS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR WITHIN 24 HOURS AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

DISTURBED AREAS DRAINING MORE THAN ONE BUT FEWER THAN FIVE ACRES SHALL BE PROTECTED BY A SEDIMENT TRAP OR EQUIVALENT CONTROL MEASURE AT A POINT DOWNSLOPE OF THE DISTURBED AREA.

DISTURBED AREAS DRAINING MORE THAN FIVE ACRES SHALL BE PROTECTED BY A SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURE AT A POINT DOWNSLOPE OF THE DISTURBED AREA.

AS NECESSARY, STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE. INLET FILTERS SHALL BE INSPECTED AND MAINTAINED AFTER EACH RAIN EVENT.

A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. ALL OF THIS WORK WILL BE IN COMPLIANCE WITH THE DETAILS AND PROVISIONS SPECIFIED FOR STABILIZED CONSTRUCTION ENTRANCE.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF KENDALL COUNTY.

CONCRETE TRUCK WASHOUT MUST BE DIRECTED INTO A TEMPORARY CONCRETE WASHOUT FACILITY. THE CONTRACTOR SHALL DECIDE THE LOCATION OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

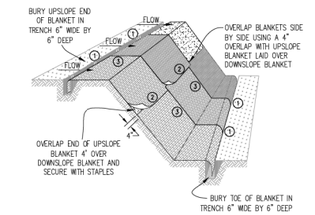
AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.

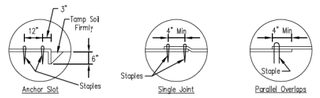
IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT-CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, FILTER BAG OR OTHER APPROVED MEASURE). ALL OF THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COST FOR DEWATERING.

POLYACRYLAMIDES (PAM) ARE SITE SPECIFIC AND MUST BE TESTED FOR THE CORRECT FORMULATION PRIOR TO THE START OF WORK. ANIONIC VERSION OF THE POLYACRYLAMIDES SHALL BE USED EXCLUSIVELY. THE HANDLING AND APPLICATION OF THE POLYMER SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS AND DISTRIBUTORS SPECIFICATIONS.

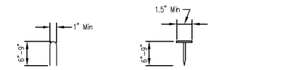
EARTH EXCAVATION SHALL CONSIST OF THE EXCAVATION AND TRANSPORTATION OF ALL EARTH AS SHOWN ON THE CROSS SECTIONS THROUGHOUT THE LIMITS OF THE CONTRACT. ANY OF THE EXCAVATED MATERIALS THAT ARE UNSUITABLE FOR EMBANKMENT UNDER THE PAVEMENT SHALL BE USED AT OTHER LOCATIONS PROVIDED BY THE CONTRACTOR.

AUTOCAD0006





DETAIL 1 DETAIL 2 DETAIL 3



STAPLE DETAIL PUSH PIN DETAIL

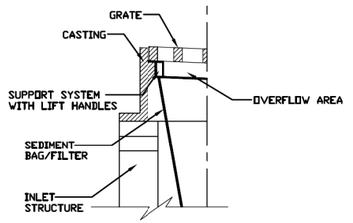
NOTES:

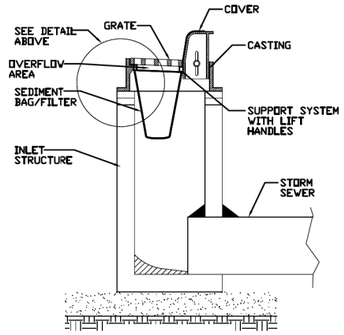
1. Staples shall be placec in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

EROSION CONTROL BLANKET INSTALLATION DETAILS

Date
Designed _____ _____
Drawn B. JOHNSON 11/08
Checked _____ _____
Approved _____ _____

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION

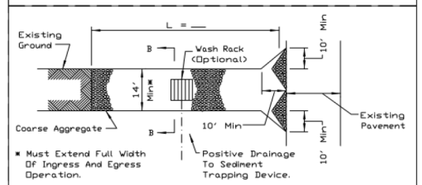




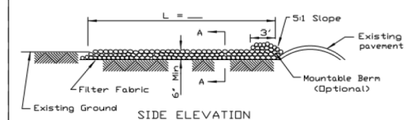
REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO. IUM-561D
SHEET 1 OF 1
DATE 01-11-11

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

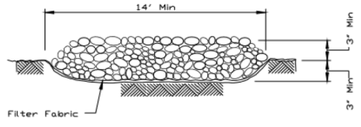
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

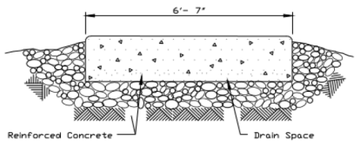
NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-630
SHEET 1 OF 2
DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



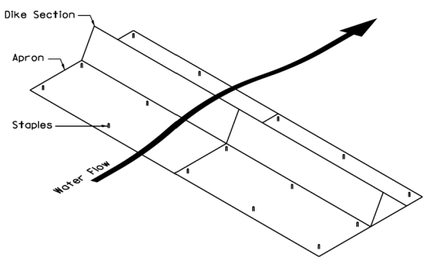
SECTION B-B

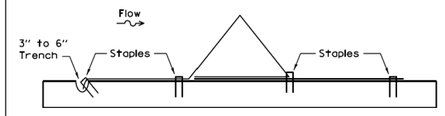
REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-630
SHEET 2 OF 2
DATE 8-18-94

URETHANE FOAM GEOTEXTILES





REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO. IUM-514
SHEET 1 OF 1
DATE 6-30-11

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
SOIL EROSION AND SEDIMENT CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	38
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

LEGEND

SEEDING, CLASS 2A
TOPSOIL EXCAVATION AND PLACE (4" DEPTH PLACEMENT)
EROSION CONTROL BLANKET

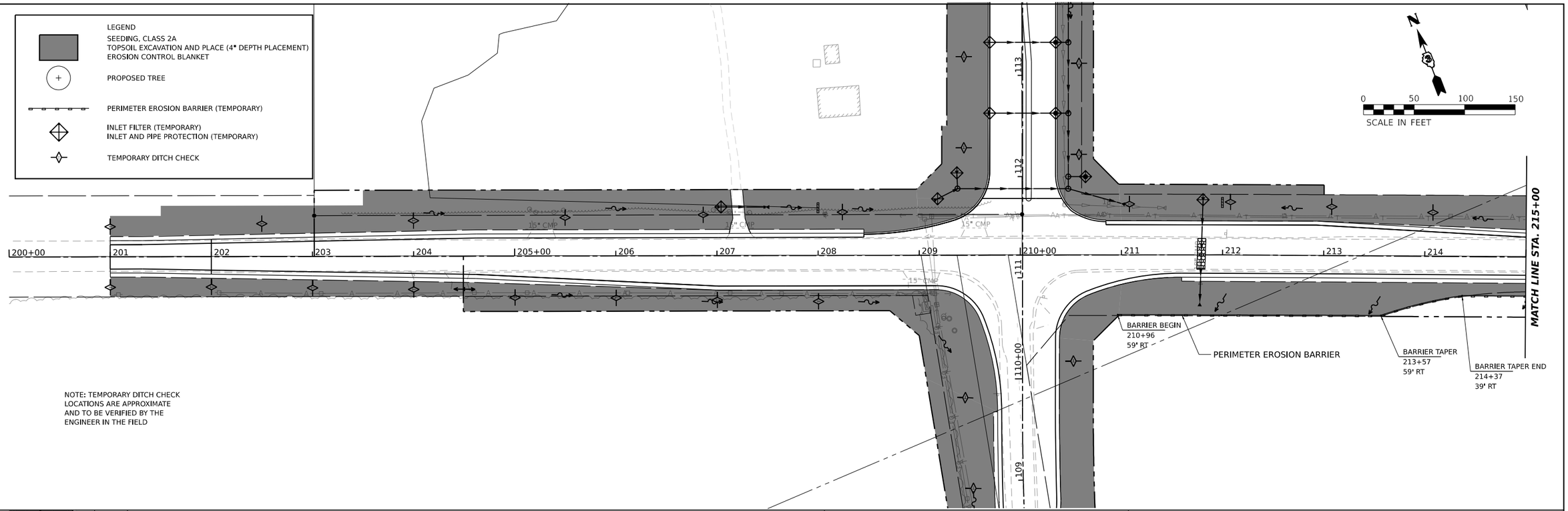
PROPOSED TREE

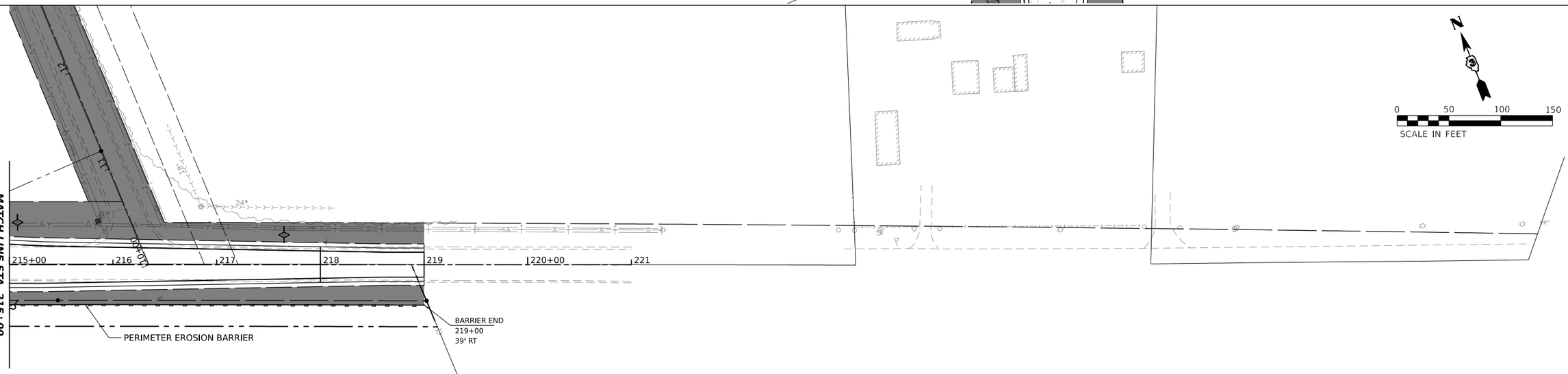
PERIMETER EROSION BARRIER (TEMPORARY)

INLET FILTER (TEMPORARY)
INLET AND PIPE PROTECTION (TEMPORARY)

TEMPORARY DITCH CHECK

NOTE: TEMPORARY DITCH CHECK LOCATIONS ARE APPROXIMATE AND TO BE VERIFIED BY THE ENGINEER IN THE FIELD





MODEL: GALENA - Plan 1 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
EROSION CONTROL AND LANDSCAPING PLAN

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	39
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

LEGEND

SEEDING, CLASS 2A
TOPSOIL EXCAVATION AND PLACE (4" DEPTH PLACEMENT)
EROSION CONTROL BLANKET

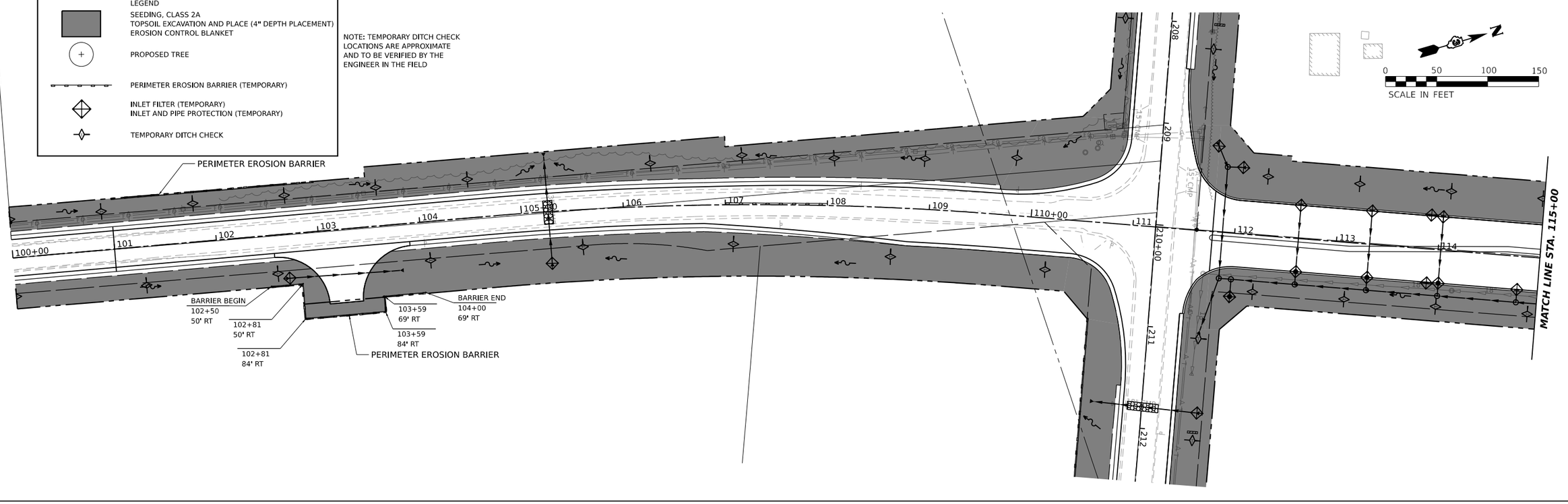
PROPOSED TREE

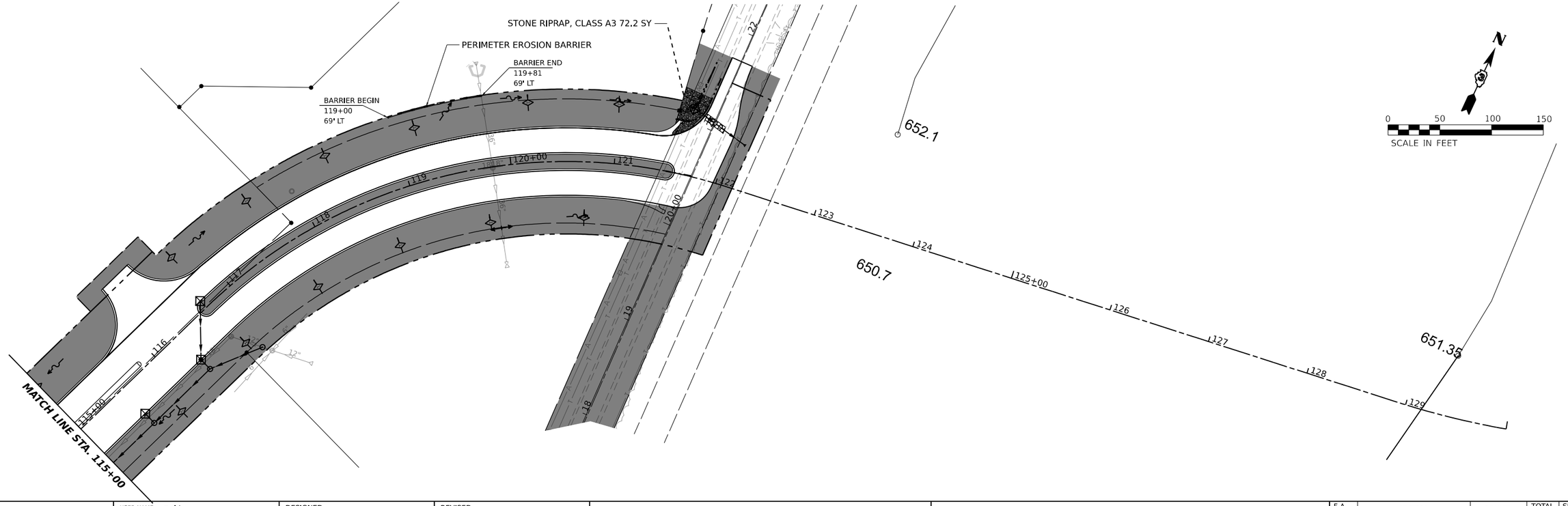
PERIMETER EROSION BARRIER (TEMPORARY)

INLET FILTER (TEMPORARY)
INLET AND PIPE PROTECTION (TEMPORARY)

TEMPORARY DITCH CHECK

NOTE: TEMPORARY DITCH CHECK LOCATIONS ARE APPROXIMATE AND TO BE VERIFIED BY THE ENGINEER IN THE FIELD





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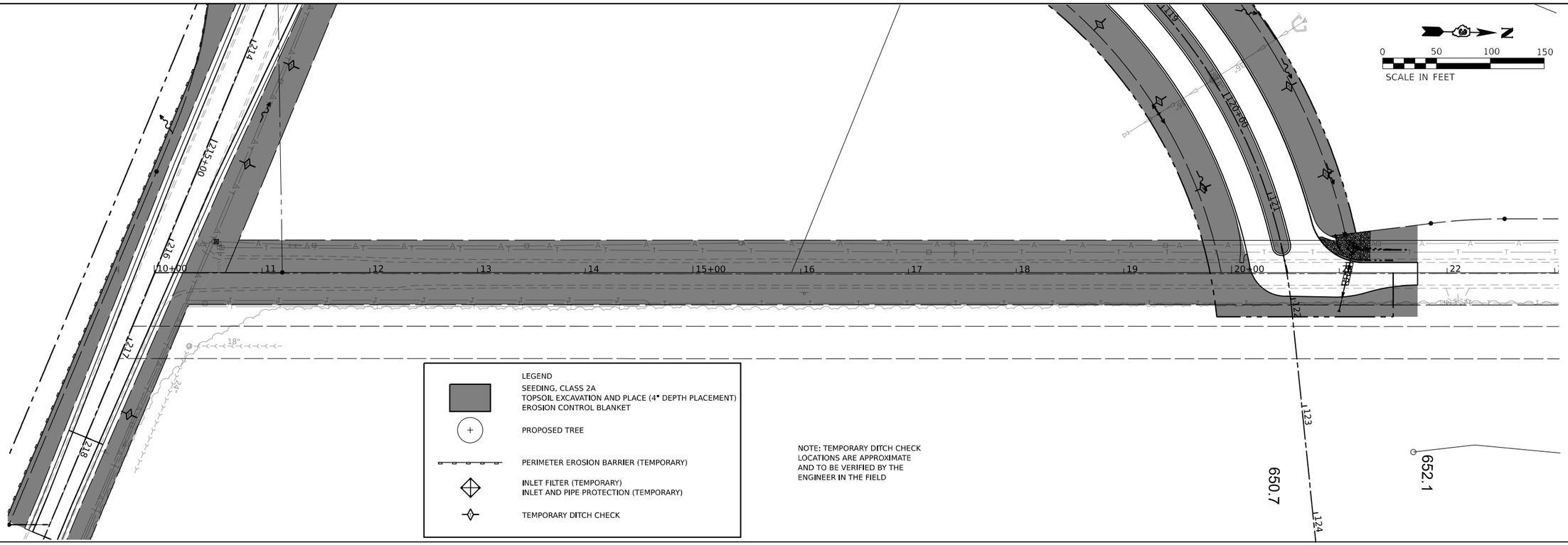
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON ROAD
EROSION CONTROL AND LANDSCAPING PLAN

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	40
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



MODEL: Dickson - Plan 5-1-1 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	DICKSON RD EROSION CONTROL AND LANDSCAPING PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	41
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

SUPPLEMENTAL STRUCTURE & PIPE LEGEND

NOTES:

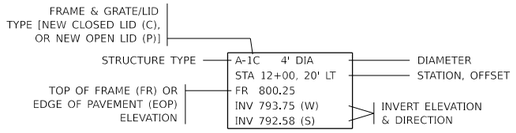
UNLESS OTHERWISE NOTED, THE LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT FOR STRUCTURES IN THE CURB LINE. THE CONTRACTOR SHALL BE RESPOSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE LOCATED TO THE CENTER OF THE STRUCTURE.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

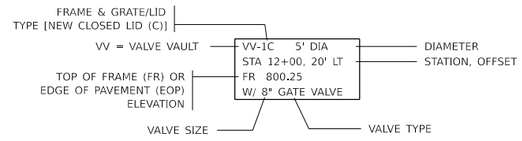
FRAME ADJUSTMENTS LOCATED IN THE PAVEMENT MAY NOT INCLUDE STATION AND OFFSET OR ELEVATION INFORMATION. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

STATIONS, OFFSETS, AND INVERT ELEVATIONS FOR FLARED END SECTIONS ARE GIVEN AT THE CENTERLINE OF THE OUTLET END OF THE FLARED END SECTION. THE FLARED END SECTION SHALL BE INSTALLED AT THE SAME SLOPE AS THE OUTLET PIPE.

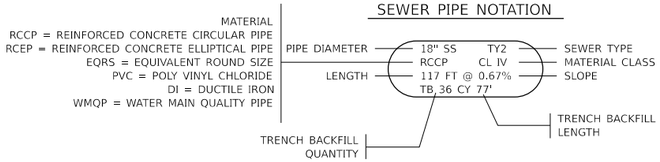
SEWER STRUCTURE NOTATION



WATER MAIN STRUCTURE NOTATION

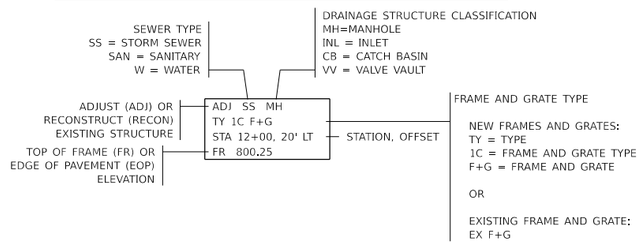


SEWER PIPE NOTATION

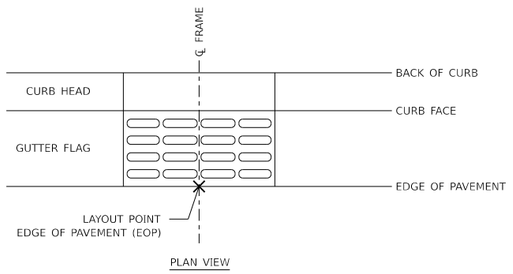


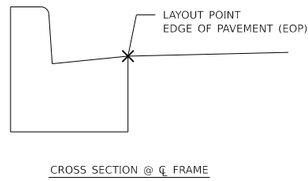
WATER MAIN PIPE NOTATION

STRUCTURE ADJUSTMENTS/RECONSTRUCTION NOTATION



TYPICAL STRUCTURE LAYOUT POINT (CURB + GUTTER LINE)





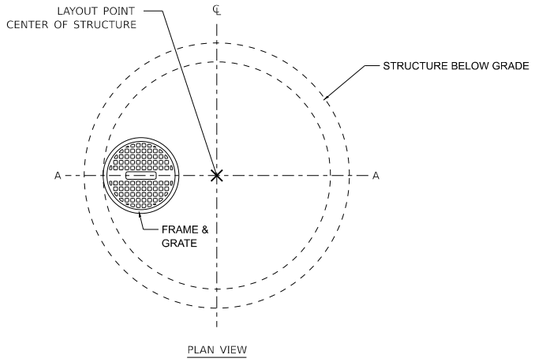
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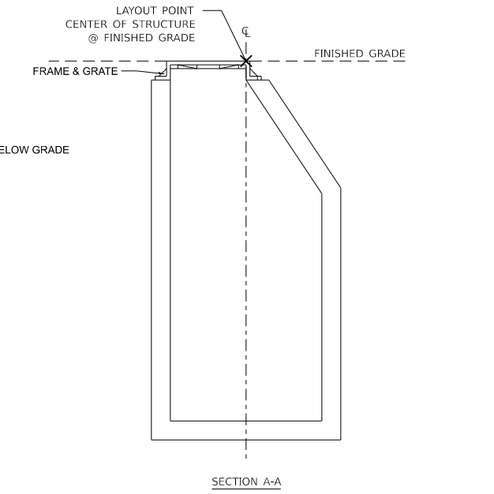
THE ABOVE SCHEMATIC DISPLAYS A TYPICAL CONDITION WHERE THE DIMENTIONS OF THE FRAME AND THE CURB & GUTTER CROSS SECTIONS MATCH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSULT WITH THE ENGINEER REGARDING THE PLACEMENT OF OTHER FRAME TYPES WITHIN THE CURB & GUTTER LINE PRIOR TO STRUCTURE INSTALLATION.

THE STRUCTURE ORIENTATION BELOW GRADE WITHIN A CURB & GUTTER LINE IS DEPENDANT ON THE FRAME & GRATE AND CURB & GUTTER TYPE SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THIS ORIENTATION SUCH THAT THE FRAME FITS WITHIN THE CURB & GUTTER LINE BASED ON THE GIVEN EDGE OF PAVEMENT LOCATION AND ELEVATION AS SPECIFIED AND APPROVED BY THE ENGINEER.

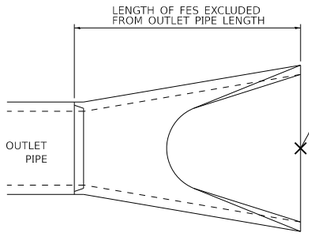
THIS SCHEMATIC DOES NOT CONSIDER GUTTER FLAG FLARE OUTS FOR CONDITIONS WHERE THE FRAME WIDTH IS WIDER THAN THE TYPICAL GUTTER WIDTH. EDGE OF PAVEMENT IS DEFINED AS THE EDGE OF PAVEMENT LOCATION AS SHOWN ON THE PLAN.

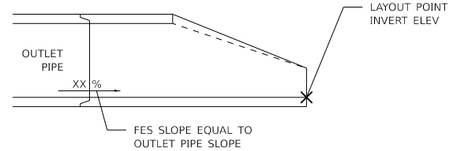
TYPICAL STRUCTURE LAYOUT POINT (OTHER LOCATIONS)





TYPICAL FLARED END SECTION LAYOUT POINT





MODEL: Default
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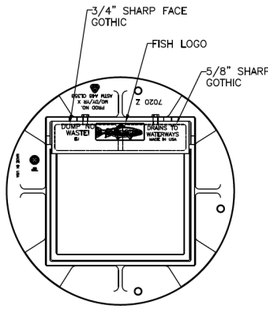
HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560
		DRAWN -	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 10/13/2023	DATE -	REVISED -	

CANNONBALL TRAIL DRAINAGE DETAILS

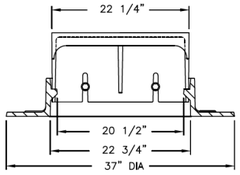
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

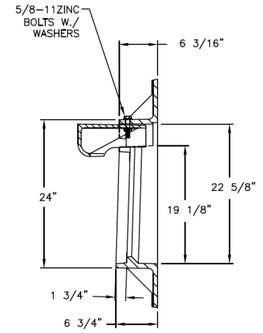
7020Z 7020T1 Assembly



PLAN VIEW



FRAME SECTION



FRAME SECTION

NOTE:
CURB ADJUSTABLE
5 1/2" TO 8 1/2"

Product Number
00702001
Design Features
-Materials
Curb Inlet Frame
Gray Iron (CL35B)
Hood
Gray Iron (CL35B)

-Design Load
Heavy Duty
-Open Area
n/a
-Coating
Dipped
-√ Designates Machined Surface

Certification
- ASTM A48
-
-
-Country of Origin:USA

Major Components
00702010
00702067

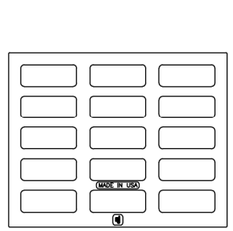
Drawing Revision
01/05/2006 Designer: TCL
07/10/2017 Revised By: DVD

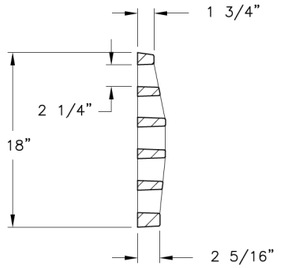
Disclaimer
Weights (lbs./kg) dimensions (Inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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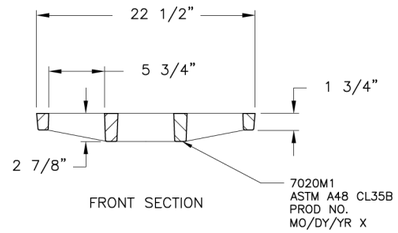
Contact
800 626 4653
ejco.com

7020M1 Grate





SIDE SECTION



FRONT SECTION

Product Number
00702030
Design Features
-Materials
Gray Iron (CL35B)
-Design Load
Heavy Duty
-Open Area
105 sq in
-Coating
Dipped
-√ Designates Machined Surface

Certification
- ASTM A48
-
-Country of Origin:USA

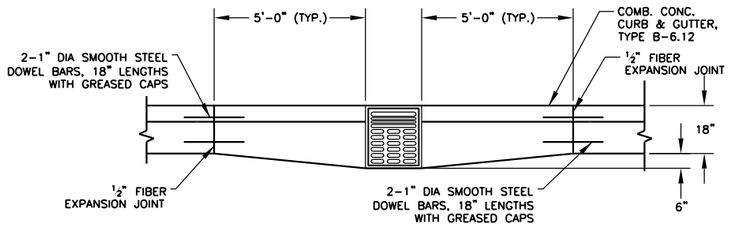
Drawing Revision
2/19/2014 Designer: TRI
10/12/2018 Revised By: DEF

Disclaimer
Weights (lbs./kg) dimensions (Inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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SPECIAL FRAME AND GRATE



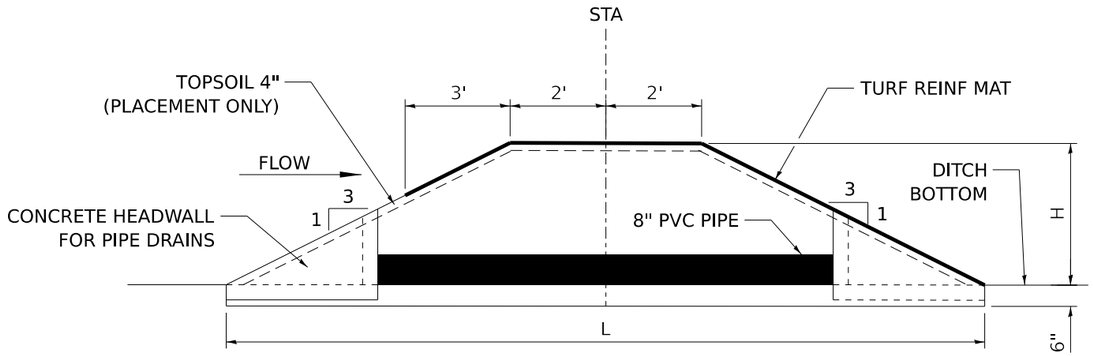
CURB DETAIL AT CATCH BASIN FOR B–6.12 C&G

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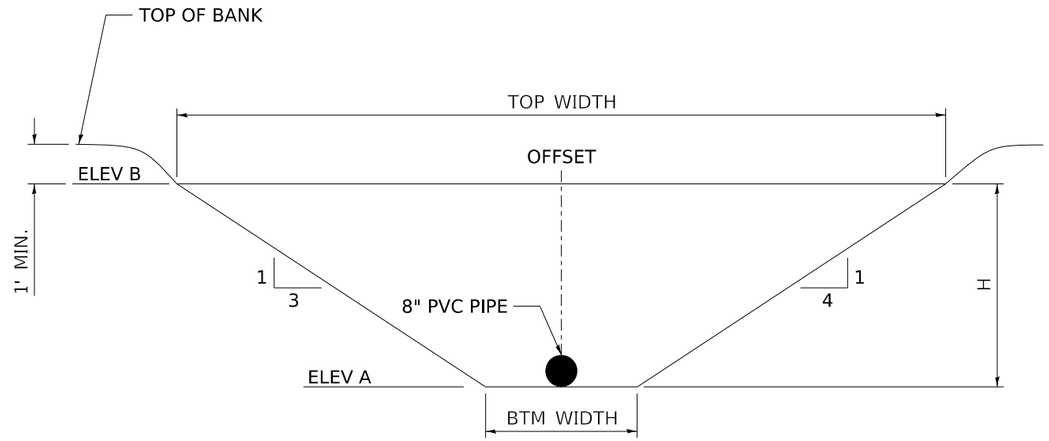
HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANNONBALL TRAIL DRAINAGE DETAILS
		DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	43
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EARTH DITCH CHECK



PROFILE



CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

NOTES:

1. EARTH DITCH CHECKS SHALL BE CONSTRUCTED WITH FURNISHED EXCAVATION IN ACCORDANCE WITH SECTIONS 204 AND 205 OF THE STANDARD SPECIFICATIONS

2. PIPE CULVERTS FOR EARTH DITCH CHECKS SHALL BE PVC SDR 26.

LOCATION			DETAIL INFORMATION									PAY ITEM SCHEDULE			
STA	OFFSET	RT/LT	ELEV A	ELEV B	L (FEET)	H (FEET)	TOP WIDTH (FEET)	BTM WIDTH (FEET)	PROFILE EMBANKMENT AREA (SQ FT)	PROFILE TOPSOIL AREA (SQ FT)	TOPSOIL PLACEMENT (CU YD)	20400800 FURNISHED EXCAVATION (CU YD)	25100900 TURF REINFORCEMENT MAT (SQ YD)	542C0213 PIPE CULVERTS, CLASS C, TYPE 1 8" (FOOT)	60100060 CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)
208+00	47.21	LT	652.41	654.50	16.5	2.09	16.6	2	24.4	5.4	1.9	8.4	14.3	9.5	2
212+00	51.70	LT	649.85	652.50	19.9	2.65	20.5	2	35.1	6.6	2.8	14.6	19.1	12.9	2

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

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PLOT DATE = 10/13/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANNONBALL TRAIL
DRAINAGE DETAILS

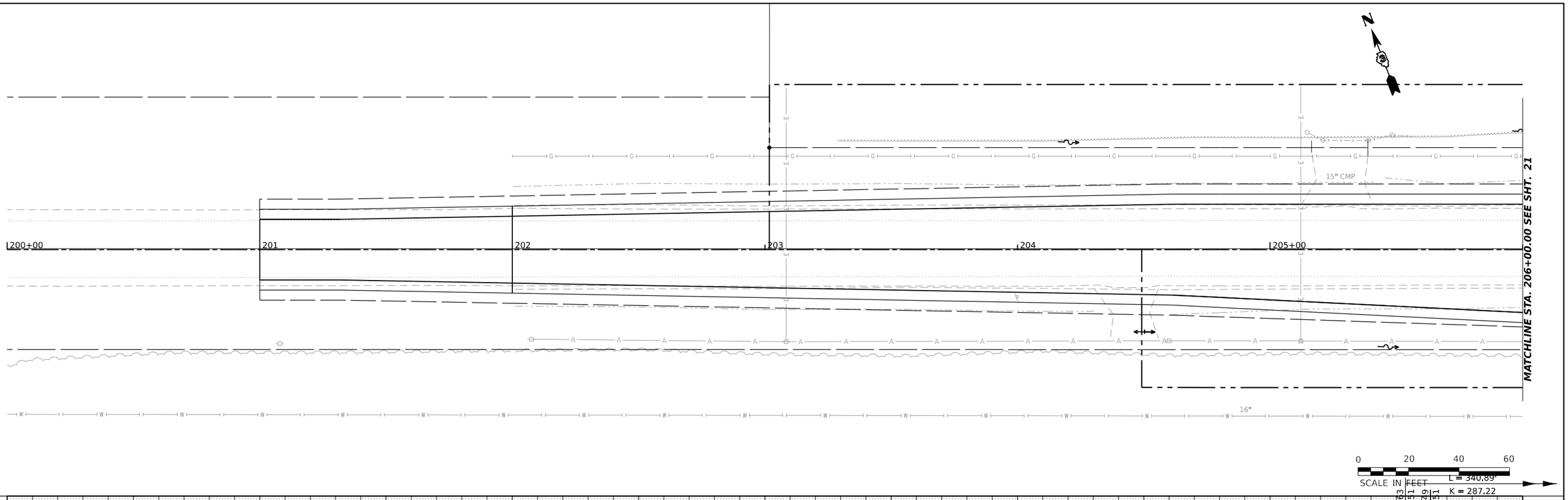
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		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PLAN

SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

BY	DATE



PROFILE

SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATNS CHKD	
NOTE BOOK	
NO.	

BY	DATE

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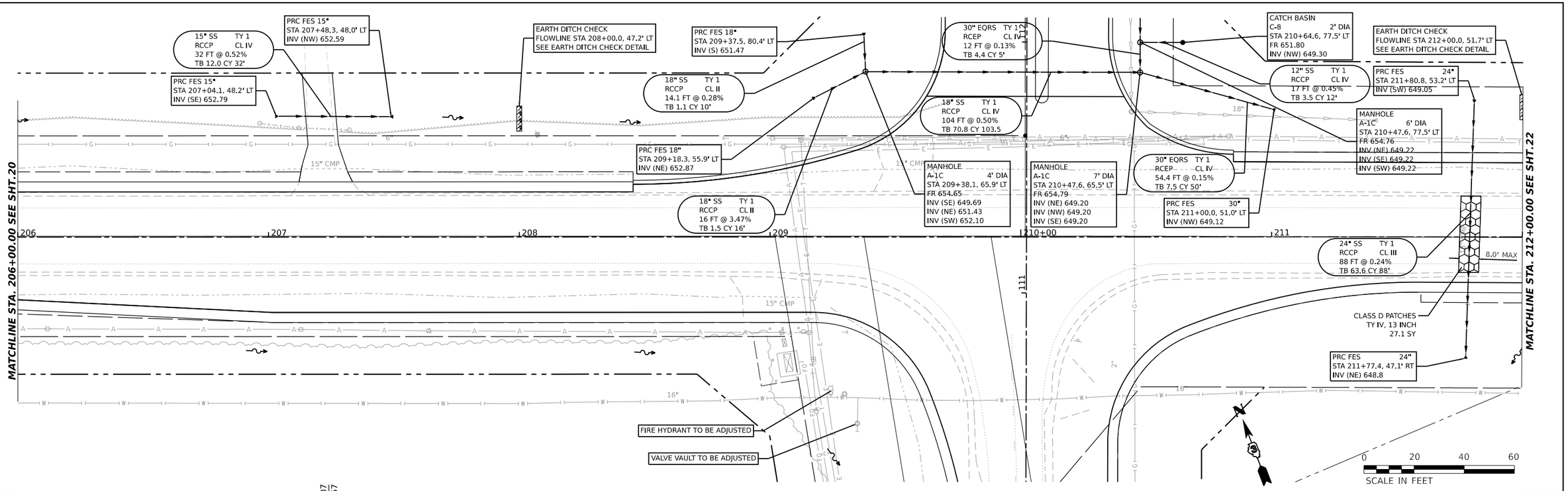
HAMPTON, LENZINI AND RENWICK, INC. 360 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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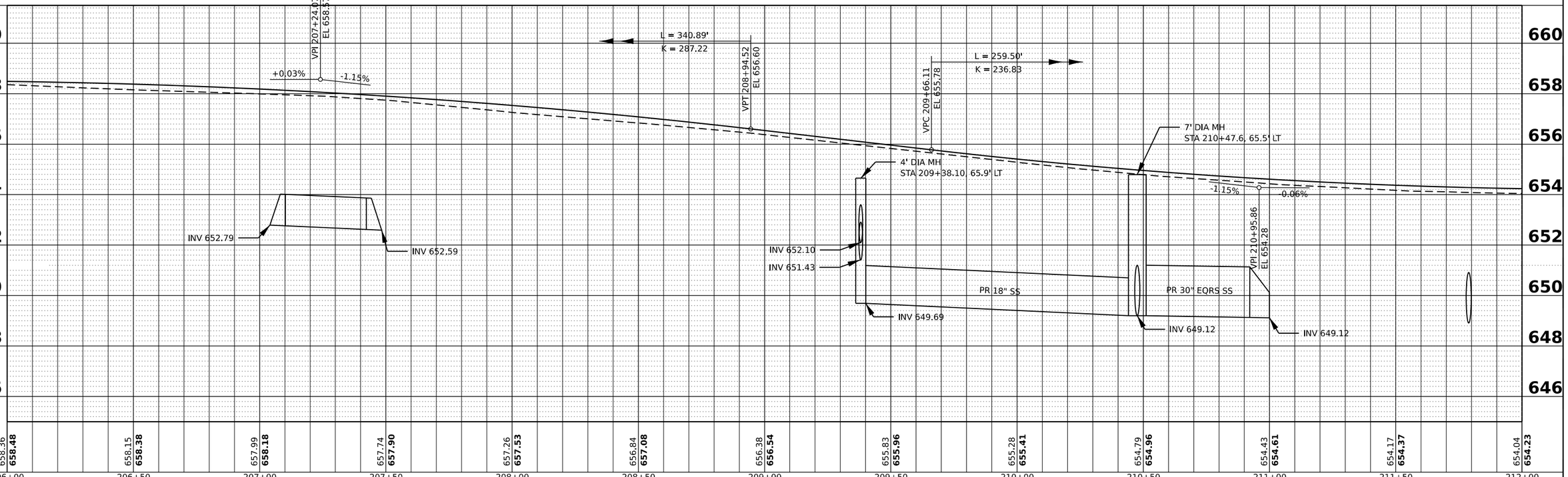
KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	45
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		





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PROFILE — SURVEYED | PLOTTED | CROSS SECTIONS CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | BY | DATE

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	46
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PLAN

SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

BY	DATE

MATCHLINE STA. 212+00.00 SEE SHT.21

MATCHLINE STA. 218+00.00 SEE SHT.23

212 213 214 215+00 216 217

10+00

POT STA 10+00.00

24"

16"

L = 259.50'
K = 236.83

VPT 212+25.61
EL 654.21

0 20 40 60
SCALE IN FEET

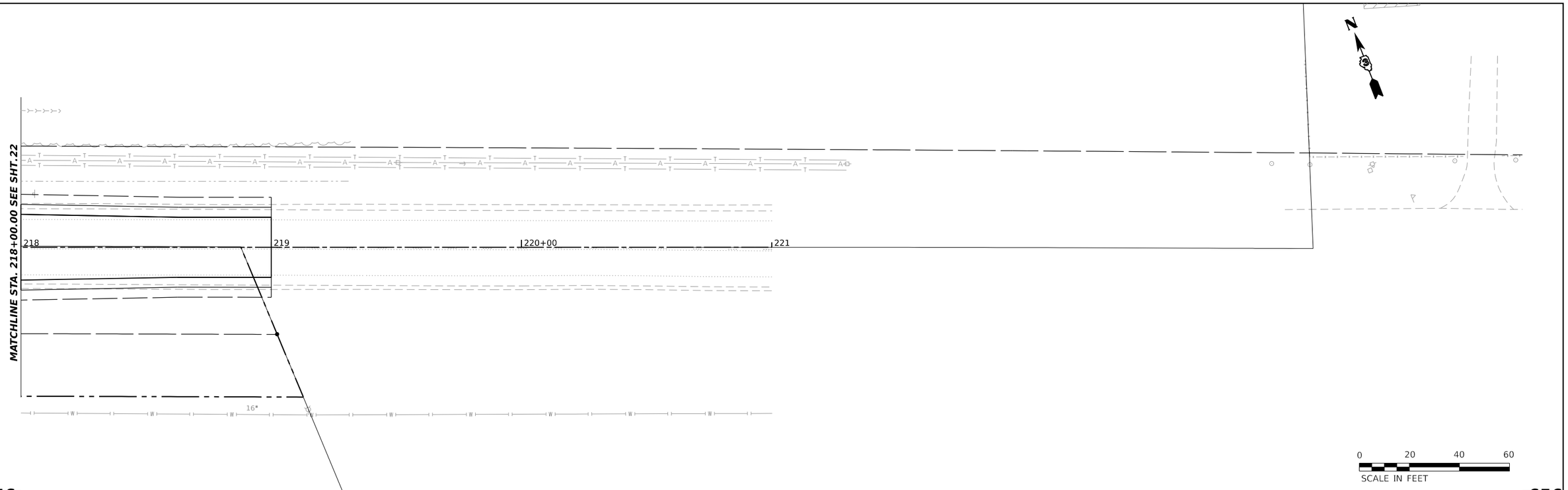
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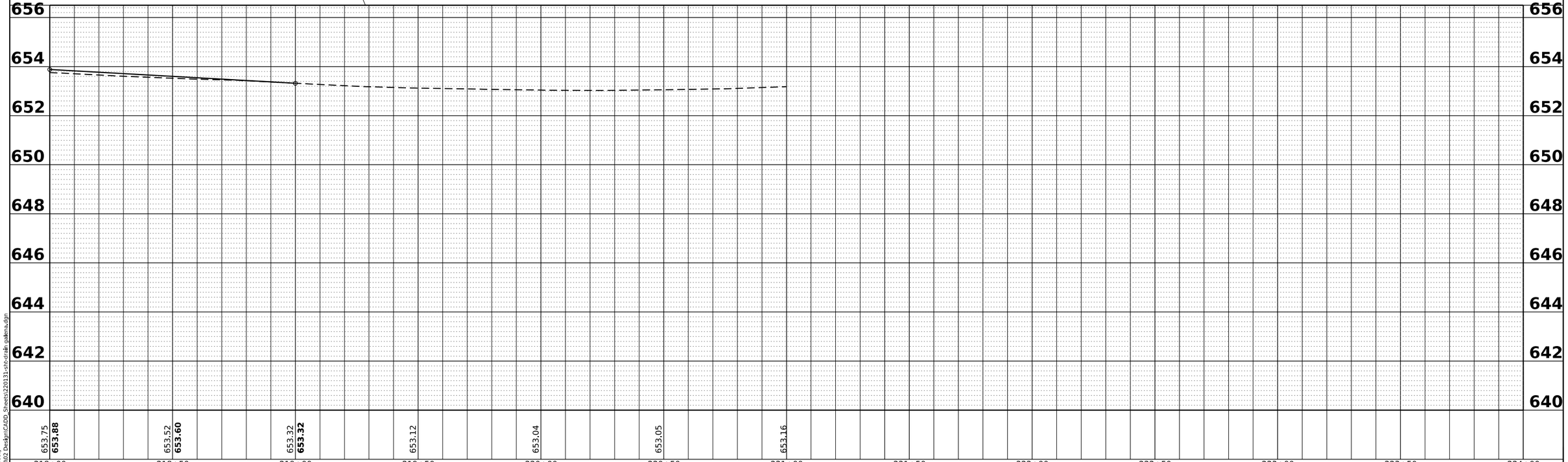
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PLOTTED	
GRADE CHECKED	
R.A. NOTED	
STRUCTURE NOTATNS CHKD	
NOTE BOOK	
NO.	

BY	DATE

656 654 652 650 648 646 644 642 640

| | | |





PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
DATE
BY

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

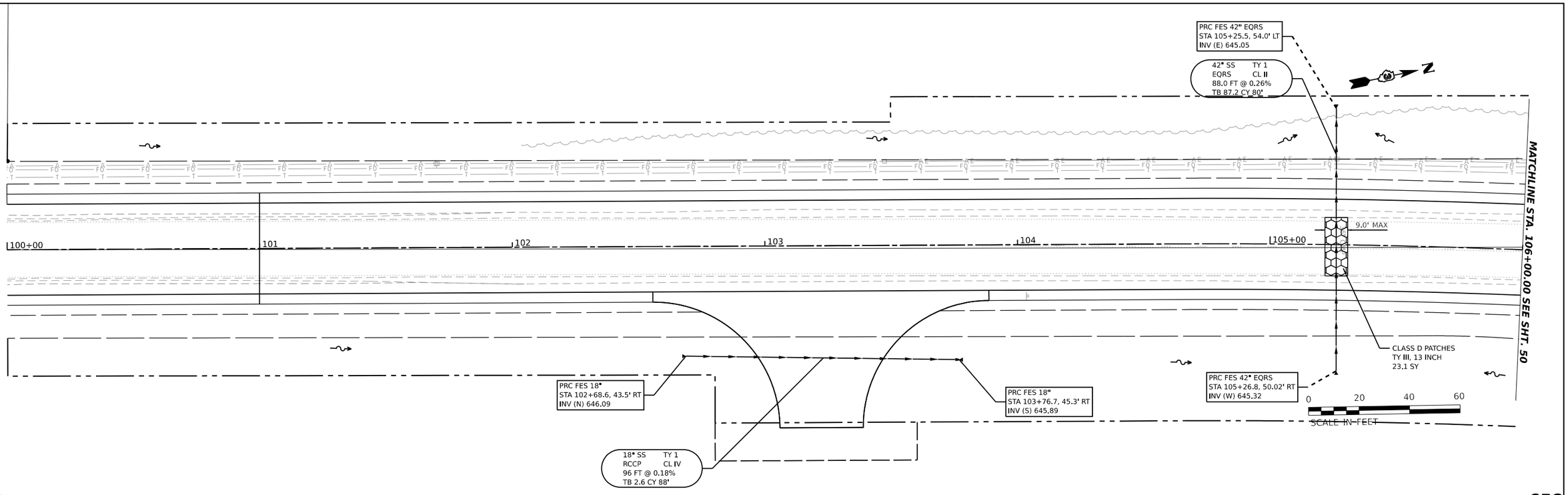
GALENA ROAD
DRAINAGE PLAN AND PROFILE

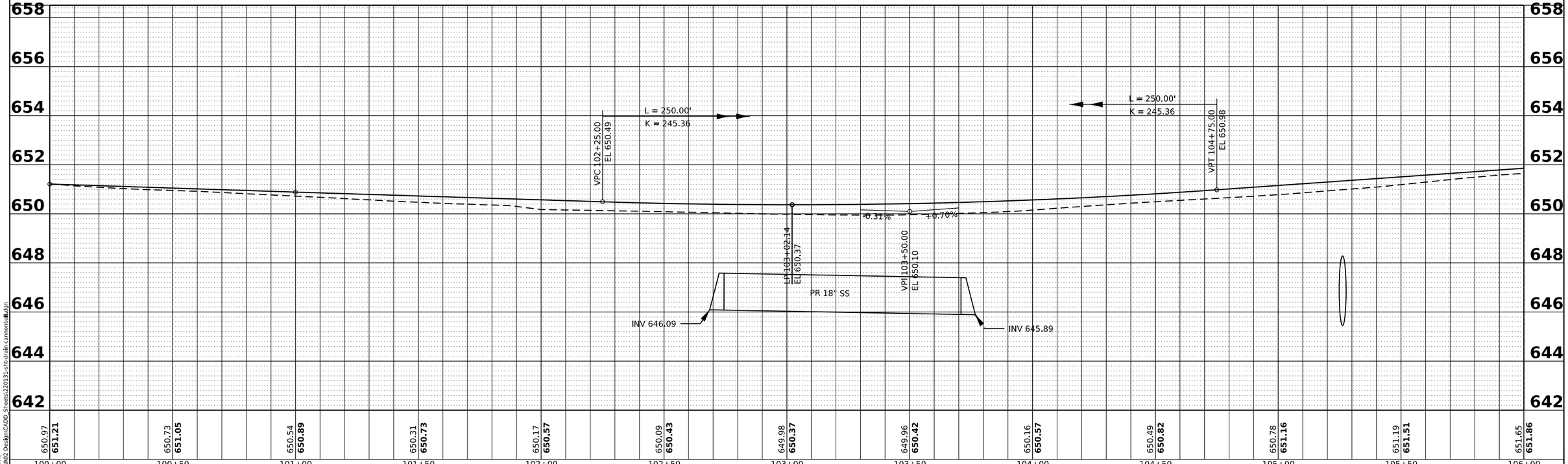
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	48
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.A. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE





MODEL: Gordon - Gordon-8 [Sheet]
FILE NAME: P:\2022\22031\Cad\02 Design\CADD Sheets\220131-sht-drain cannonball.dgn

HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
DRAINAGE PLAN AND PROFILE

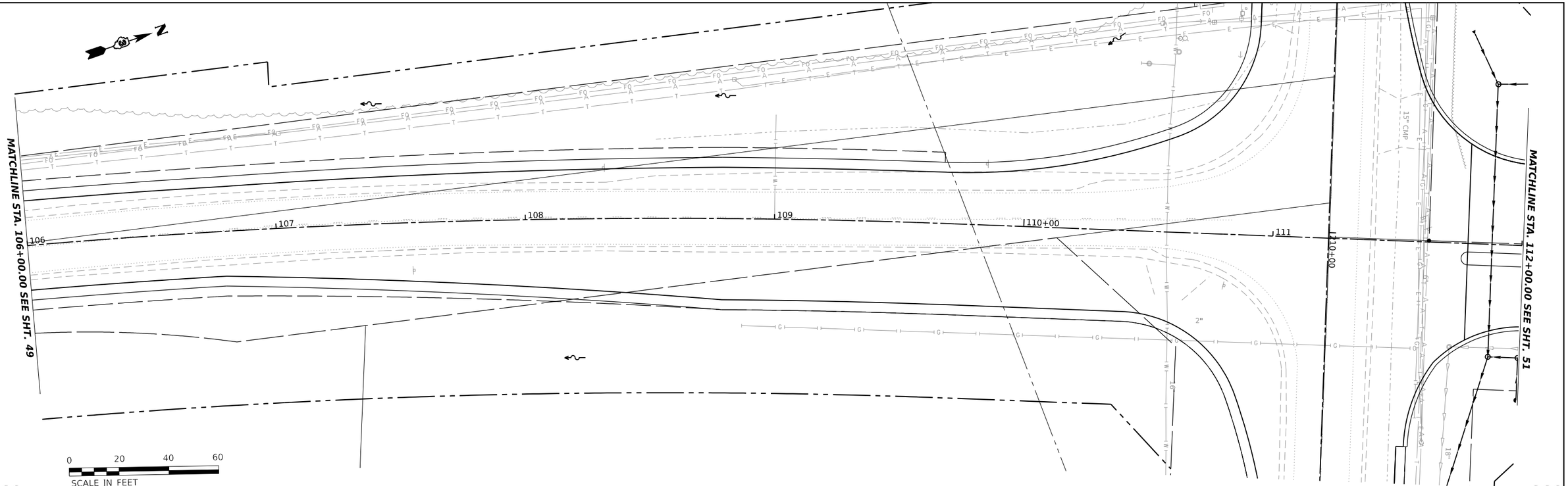
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PLAN

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RT. OF WAY CHECKED	
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NOTE BOOK	
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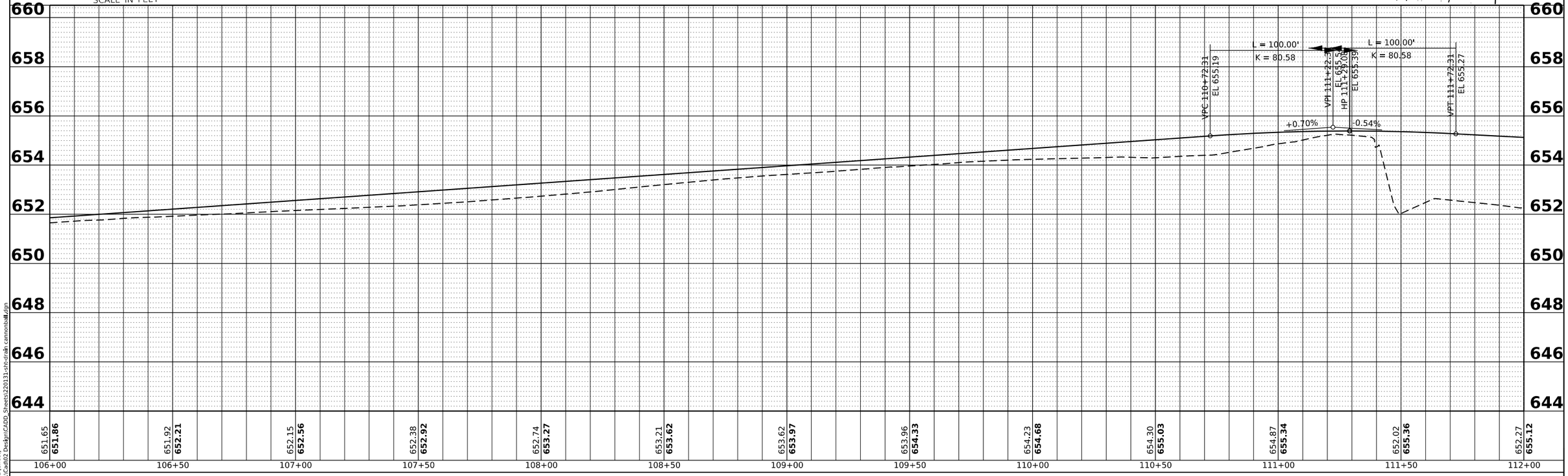
DATE	BY



PROFILE

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PLOTTED	
CROSS CHECKED	
R.M. NOTED	
STRUCTURE NOTATNG CHKD	
NOTE BOOK	
NO.	

DATE	BY



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	DRAWN -	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	50
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

INLET
A-SPL 2' DIA
STA 112+62.60, 32.58' LT
EOP 654.14
INV (SE) 650.14

12" SS TY 1
RCCP CL IV
65 FT @ 0.50%
TB 10.5 CY 60.5'

CATCH BASIN
A-SPL 4' DIA
STA 112+62.60, 32.58' RT
EOP 654.14
INV (NW) 649.81
INV (SE) 649.81

12" SS TY 1
RCCP CL IV
12.5 FT @ 0.50%
TB 1.9 CY 7'

30" EQRS TY 1
RCEP CL IV
62.6 FT @ 0.13%
TB 16.0 CY 56.1'

MANHOLE
A-1C 6' DIA
STA 112+62.6, 45.2' RT
FR 654.41
INV (SW) 649.30
INV (NW) 649.75
INV (NE) 649.30

INLET
A-SPL 2' DIA
STA 113+32.60, 32.58' LT
EOP 653.76
INV (SE) 650.01

12" SS TY 1
RCCP CL IV
65 FT @ 0.50%
TB 16.8 CY 60.5'

CATCH BASIN
A-SPL 4' DIA
STA 113+32.60, 32.58' RT
EOP 653.73
INV (NW) 649.68
INV (SE) 649.68

12" SS TY 1
RCCP CL IV
12.5 FT @ 0.50%
TB 1.2 CY 7'

30" EQRS TY 1
RCEP CL IV
70 FT @ 0.13%
TB 45.1 CY 63.5'

MANHOLE
A-1C 6' DIA
STA 113+32.6, 45.2' RT
FR 654.08
INV (SW) 649.40
INV (NW) 649.62
INV (NE) 649.40

12" SS TY 1
RCCP CL IV
12 FT @ 0.75%
TB 2.0 CY 15.5'

INLET
A-SPL 2' DIA
STA 113+91.00, 32.58' LT
EOP 653.50
INV (NW) 650.05

12" SS TY 1
RCCP CL IV
12 FT @ 0.75%
TB 2.2 CY 15.5'

INLET
A-SPL 2' DIA
STA 113+91.00, 32.58' RT
EOP 653.50
INV (NW) 649.72

24" EQRS TY 1
RCEP CL III
70 FT @ 0.17%
TB 28.5 CY 64'

MANHOLE
A-1C 5' DIA
STA 114+02.6, 45.2' RT
FR 653.85
INV (SW) 649.52
INV (NW) 649.57
INV (NE) 649.52

INLET
B-SPL 3' DIA
STA 114+02.60, 32.58' LT
EOP 653.61
INV (SE) 649.96
INV (SW) 649.96

12" SS TY 1
RCCP CL IV
65 FT @ 0.50%
TB 28.5 CY 64'

INLET
A-SPL 2' DIA
STA 114+80.00, 32.58' RT
EOP 653.72
INV (SE) 649.88

CATCH BASIN
A-SPL 4' DIA
STA 114+02.60, 32.58' RT
EOP 653.47
INV (NW) 649.63
INV (SW) 649.63
INV (SE) 649.63

12" SS TY 1
RCCP CL IV
12.5 FT @ 0.50%
TB 1.0 CY 7'

24" EQRS TY 1
RCEP CL III
77 FT @ 0.17%
TB 30.8 CY 71.9'

INLET
A-SPL 2' DIA
STA 115+55.0, 32.58' RT
EOP 654.24
INV (SE) 650.10

12" SS TY 1
RCCP CL IV
12.5 FT @ 0.50%
TB 1.2 CY 7'

12" SS TY 1
RCCP CL IV
12.5 FT @ 0.50%
TB 1.1 CY 7'

24" EQRS TY 1
RCEP CL III
75 FT @ 0.17%
TB 31.0 CY 69.5'

MANHOLE
A-1C 5' DIA
STA 114+80.0, 45.2' RT
FR 654.07
INV (SW) 649.65
INV (NW) 649.82
INV (NE) 649.65

CATCH BASIN
A-SPL 4' DIA
STA 116+30.00, 32.58' RT
EOP 655.01
INV (N) 650.30
INV (SE) 650.30

12" SS TY 1
RCCP CL IV
12.5 FT @ 0.50%
TB 1.6 CY 7'

18" EQRS TY 1
RCEP CL IV
75 FT @ 0.27%
TB 33.2 CY 69.5'

MANHOLE
A-1C 5' DIA
STA 115+55.0, 45.2' RT
FR 654.44
INV (SW) 649.78
INV (NW) 650.04
INV (NE) 649.78

12" SS TY 1
RCCP CL IV
56.5 FT @ 0.50%
TB 9.1 CY 52.5'

INLET
A-SPL 2' DIA
STA 116+68.88, 8.58' LT
EOP 655.59
INV (S) 650.59

18" EQRS TY 1
RCEP CL IV
54.9 FT @ 0.26%
TB 23.9 CY 49.9'

MANHOLE
A-1C 4' DIA
STA 116+82.9, 65.2 RT
FR 655.10
INV (SW) 650.13
INV (E) 650.13

MANHOLE
A-1C 5' DIA
STA 116+30.0, 45.2' RT
FR 654.82
INV (SW) 649.98
INV (NW) 650.21
INV (NE) 649.98

VALVE VAULT TO BE RECONSTRUCTED

SCALE IN FEET
0 20 40 60

MATCHLINE STA. 112+00.00 SEE SHT. 50

MATCHLINE STA. 118+00.00 SEE SHT. 52

112 113 114 115+00 116 117

18" 18" 18" 12" 12" 6" 6" 12"

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.P.A. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

6' DIA MH
STA 112+62.6, 45.2' RT

6' DIA MH
STA 113+32.6, 45.2' RT

VPC 113+32.50
EL 654.41

= 135.00'
K = 109.17

5' DIA MH
STA 114+02.6, 45.2' RT

P 113+91.08
EL 654.26
VPI 114+00.00
EL 654.05

-0.54%
+0.70%

L = 135.00'
K = 109.17

VPT 114+67.50
EL 654.52

5' DIA MH
STA 114+80.0, 45.2' RT

5' DIA MH
STA 115+55.0, 45.2' RT

5' DIA MH
STA 116+30.0, 45.2' RT

4' DIA CB
STA 116+82.9, 65.2' RT

PR 30" EQRS SS
PR 30" EQRS SS
PR 24" EQRS SS
PR 24" EQRS SS
PR 24" EQRS SS
PR 18" EQRS SS
PR 18" EQRS SS

INV 649.30
INV 649.75
INV 649.40
INV 649.62
INV 649.52
INV 649.57
INV 649.65
INV 649.82
INV 649.65
INV 649.82
INV 649.98
INV 650.21
INV 650.13

662 660 658 656 654 652 650 648 646

652.27	652.92	652.83	653.15	653.40	653.61	655.03	655.49	656.01	655.93	655.55	655.60	654.55
655.12	**654.85**	**654.59**	**654.33**	**654.26**	**654.41**	**654.75**	**655.10**	**655.45**	**655.80**	**656.15**	**656.50**	**656.85**

112+00 112+50 113+00 113+50 114+00 114+50 115+00 115+50 116+00 116+50 117+00 117+50 118+00

MODEL: Gordon - Gordon-2-1 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

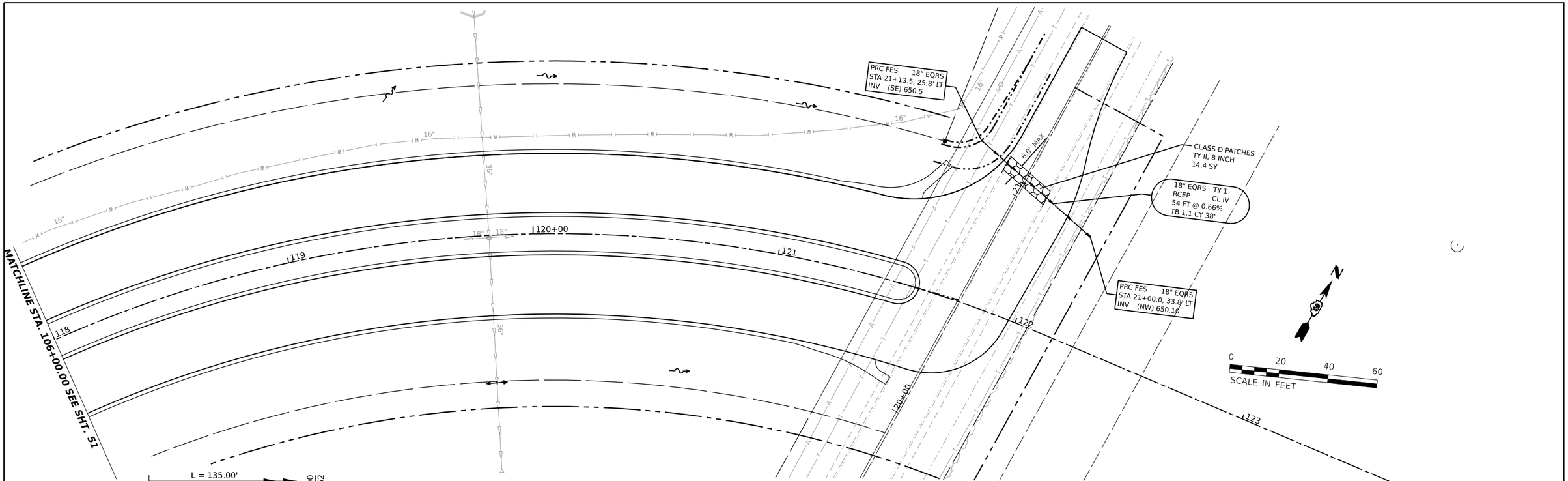
GORDON ROAD
DRAINAGE PLAN AND PROFILE

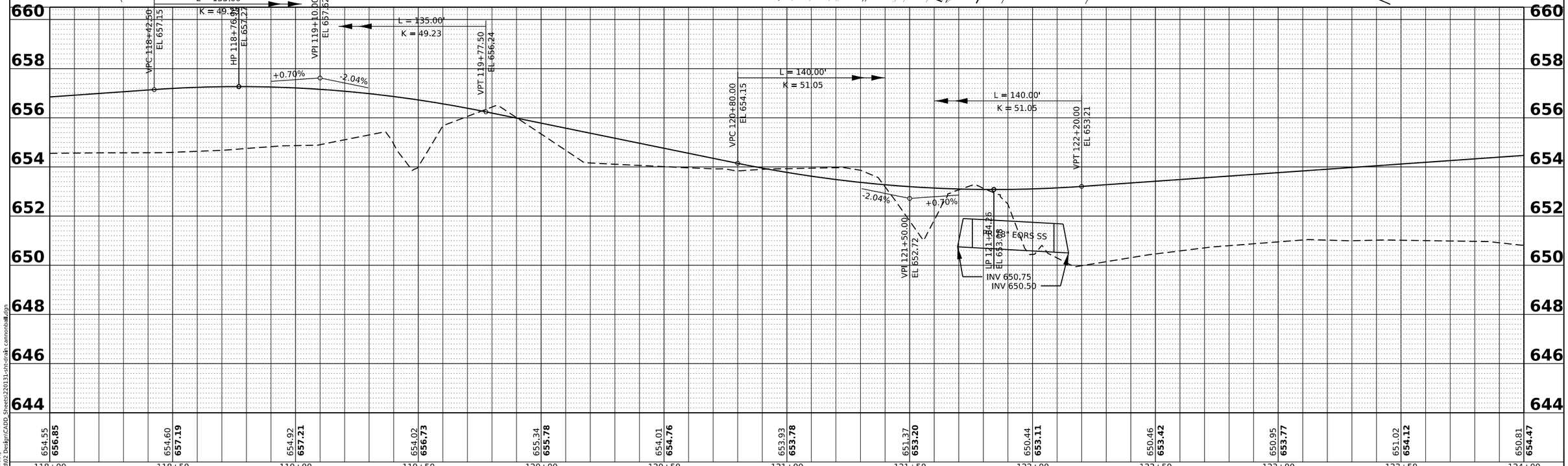
SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	51
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

PLAN
SURVEYED
PLOTTED
AS-BUILT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.A. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
DATE
BY





MODEL: Gordon - Gordon-3-1 [Sheet]
FILE NAME: P:\2022\220131\Cadd\02 Design\CADD_Sheets\220131-sht-drain cannonball.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GORDON ROAD
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	52
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	9	1
	ILLINOIS	CONTRACT NO.		

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001 0001TE	FOX VALLEY FAMILY YMCA, INC., AN ILLINOIS NOT-FOR-PROFIT CORPORATION	2, 3 & 4	
0002	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED JANUARY 16, 1956 KNOWN AS TRUST NO. 2795	2, 5 & 6	
0003 0003-TE	GARY KUKLA	2 & 7	
0004	THE VILLAGE OF MONTGOMERY, AN ILLINOIS MUNICIPAL CORPORATION	2 & 8	
0005	ROMANS DEVELOPMENT HOLDINGS LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	2 & 9	
0006	THE VILLAGE OF MONTGOMERY, AN ILLINOIS MUNICIPAL CORPORATION	2 & 9	
0007	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED MARCH 31, 2014 AND KNOWN AS TRUST NO. 8002364430	2, & 8	

GALENA ROAD
PROJECT COORDINATES
IL STATE PLANE, EAST ZONE, NAD 83 (2011)

STATION		OFFSET	NORTHING	EASTING
200+00.00	(P.O.T.)	0.0' LT	1833564.37	959268.37
203+01.78	PROP. R.O.W.	65.39' LT	1833517.80	959573.62
204+49.17	PROP. R.O.W.	39.62' RT	1833367.13	959673.85
204+49.17	PROP. R.O.W.	54.62' RT	1833353.11	959668.50
208+70.85	PROP. R.O.W.	54.63' RT	1833202.67	960062.44
208+97.39	PROP. R.O.W.	65.36' LT	1833305.31	960130.04
208+99.89	PROP. R.O.W.	79.31' RT	1833169.26	960080.77
209+22.45	PROP. R.O.W.	90.36' LT	1833319.73	960162.37
209+22.54	PROP. R.O.W.	127.89' LT	1833354.75	960175.84
209+27.54	PROP. R.O.W.	127.88' LT	1833352.95	960180.50
210+72.47	PROP. R.O.W.	95.20' LT	1833270.72	960304.24
210+97.41	PROP. R.O.W.	70.04' LT	1833238.32	960318.59
212+99.98	PROP. R.O.W.	69.76' LT	1833164.67	960507.97
213+00.02	PROP. R.O.W.	60.15' LT	1833155.71	960504.49
213+56.98	PROP. R.O.W.	59.67' RT	1833023.36	960513.72
219+12.84	PROP. R.O.W.	59.91' RT	1832819.99	961031.04
221+00.00	(P.O.T.)	0.0' LT	1832807.35	961227.15

CANNONBALL TRAIL / GORDON RD.
PROJECT COORDINATES
IL STATE PLANE, EAST ZONE, NAD 83 (2011)

STATION		OFFSET	NORTHING	EASTING
100+00.00	(P.O.T.)	0.0' LT	1832124.48	959917.33
100+00.00	PROP. R.O.W.	50.04' RT	1832114.59	959966.38
100+00.05	PROP. R.O.W.	35.04' RT	1832117.60	959951.69
100+00.22	PROP. R.O.W.	34.96' LT	1832131.62	959883.12
100+00.38	PROP. R.O.W.	49.99' LT	1832134.75	959868.40
102+79.96	PROP. R.O.W.	69.98' RT	1832385.07	960041.31
102+80.02	PROP. R.O.W.	50.94' RT	1832388.89	960022.65
103+50.00	PROP. R.O.W.	48.82' LT	1832477.23	959938.71
103+50.00	PROP. R.O.W.	58.82' LT	1832479.20	959928.90
104+65.66	(P.C.)	0.0' LT	1832580.95	960009.44
104+65.66	PROP. R.O.W.	70.00' RT	1832567.10	960078.06
107+00.00	PROP. R.O.W.	56.91' LT	1832824.18	960009.93
107+00.00	PROP. R.O.W.	66.94' LT	1832826.92	960000.28
107+19.53	(P.I.)	0.0' LT	1832829.80	960059.66
109+72.20	(P.T.)	0.0' LT	1833066.75	960150.79
109+72.20	PROP. R.O.W.	70.00' RT	1833041.62	960216.12
110+37.70	PROP. R.O.W.	70.00' RT	1833102.75	960239.64
110+42.75	PROP. R.O.W.	102.16' LT	1833169.26	960080.77
110+62.68	PROP. R.O.W.	95.00' RT	1833117.09	960271.94
110+67.35	PROP. R.O.W.	131.26' LT	1833202.68	960062.44
111+82.21	PROP. R.O.W.	298.19' RT	1833155.71	960504.49
111+87.42	PROP. R.O.W.	105.01' LT	1833305.31	960130.04
111+91.83	PROP. R.O.W.	298.22' RT	1833164.67	960507.97
111+92.58	PROP. R.O.W.	95.00' RT	1833238.32	960318.59
112+12.48	PROP. R.O.W.	80.01' LT	1833319.73	960162.37
112+17.67	PROP. R.O.W.	70.00' RT	1833270.72	960304.24
112+50.00	PROP. R.O.W.	75.01' LT	1833352.95	960180.50
112+50.00	PROP. R.O.W.	80.01' LT	1833354.75	960175.84
116+66.60	PROP. R.O.W.	70.00' RT	1833689.72	960465.40
116+68.88	(P.C.)	0.0' LT	1833716.98	960400.89
116+68.88	PROP. R.O.W.	70.00' LT	1833742.11	960335.55
116+68.88	PROP. R.O.W.	70.00' RT	1833691.85	960466.22
116+68.88	P.O.B. 0003TE	75.00' LT	1833743.91	960330.88
117+71.12	PROP. R.O.W.	70.00' LT	1833845.88	960388.19
119+68.86	(P.I.)	0.0' LT	1833996.97	960508.57
121+25.03	PROP. R.O.W.	70.00' RT	1833949.37	960744.05
121+52.70	PROP. R.O.W.	70.00' LT	1834091.70	960734.30
121+96.28	PROP. R.O.W.	70.00' RT	1833962.74	960803.80
122+09.15	PROP. R.O.W.	70.00' RT	1833964.24	960814.77
122+09.27	(P.T.)	0.0' LT	1834033.72	960806.29
122+15.06	PROP. R.O.W.	94.08' LT	1834127.80	960800.52
122+26.01	PROP. R.O.W.	92.96' LT	1834128.04	960811.51
128+90.92	(P.O.T.)	0.0' LT	1834117.24	961482.81

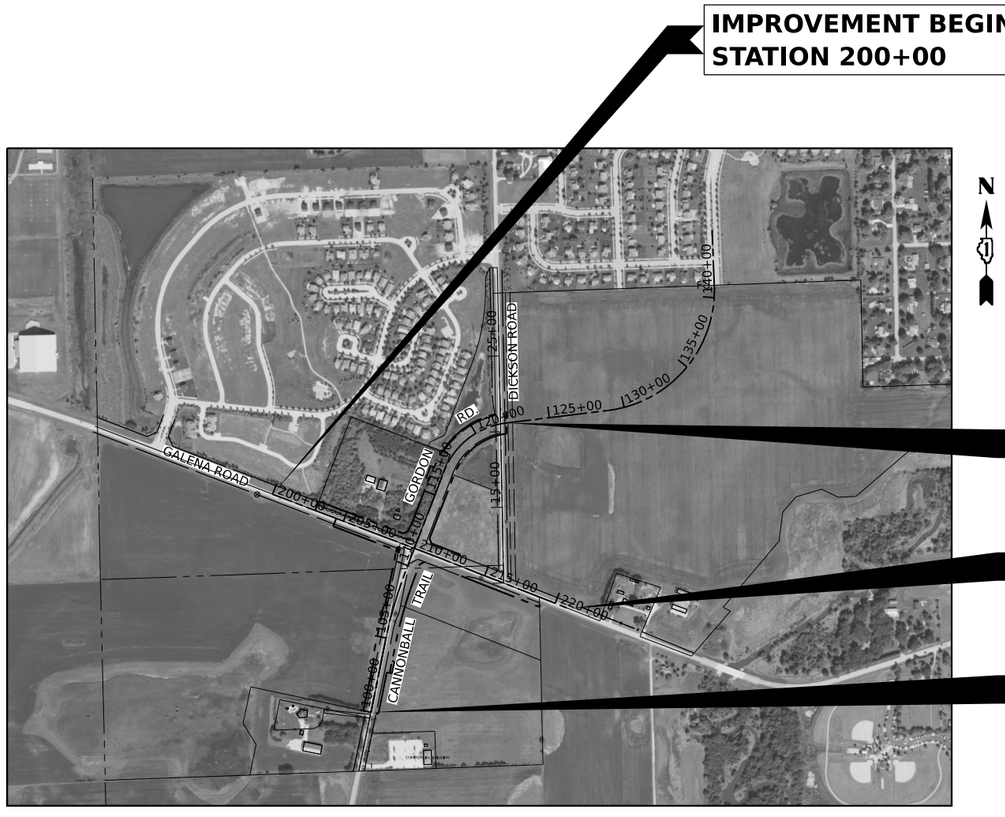
KENDALL COUNTY HIGHWAY DEPARTMENT

RIGHT OF WAY PLANS

ROUTE: GALENA ROAD
LIMITS: AT CANNONBALL TRAIL /GORDON ROAD
KENDALL COUNTY
SECTION NO.: 22–00169–00–TL

DICKSON ROAD
PROJECT COORDINATES
IL STATE PLANE, EAST ZONE, NAD 83 (2011)

STATION		OFFSET	NORTHING	EASTING
10+00.00	(P.O.T.)	0.0' LT	1832977.41	960794.03
27+63.30	(P.O.T.)	0.0' LT	1834740.33	960758.31



LOCATION MAP

SCALE: 1" = 500'

GROSS LENGTH = 4326 FT. = 0.819 MILE

NET LENGTH = 4326 FT. = 0.819 MILE

KENDALL COUNTY

Approved _____ 20 _____

_____
County Engineer, Kendall County

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.

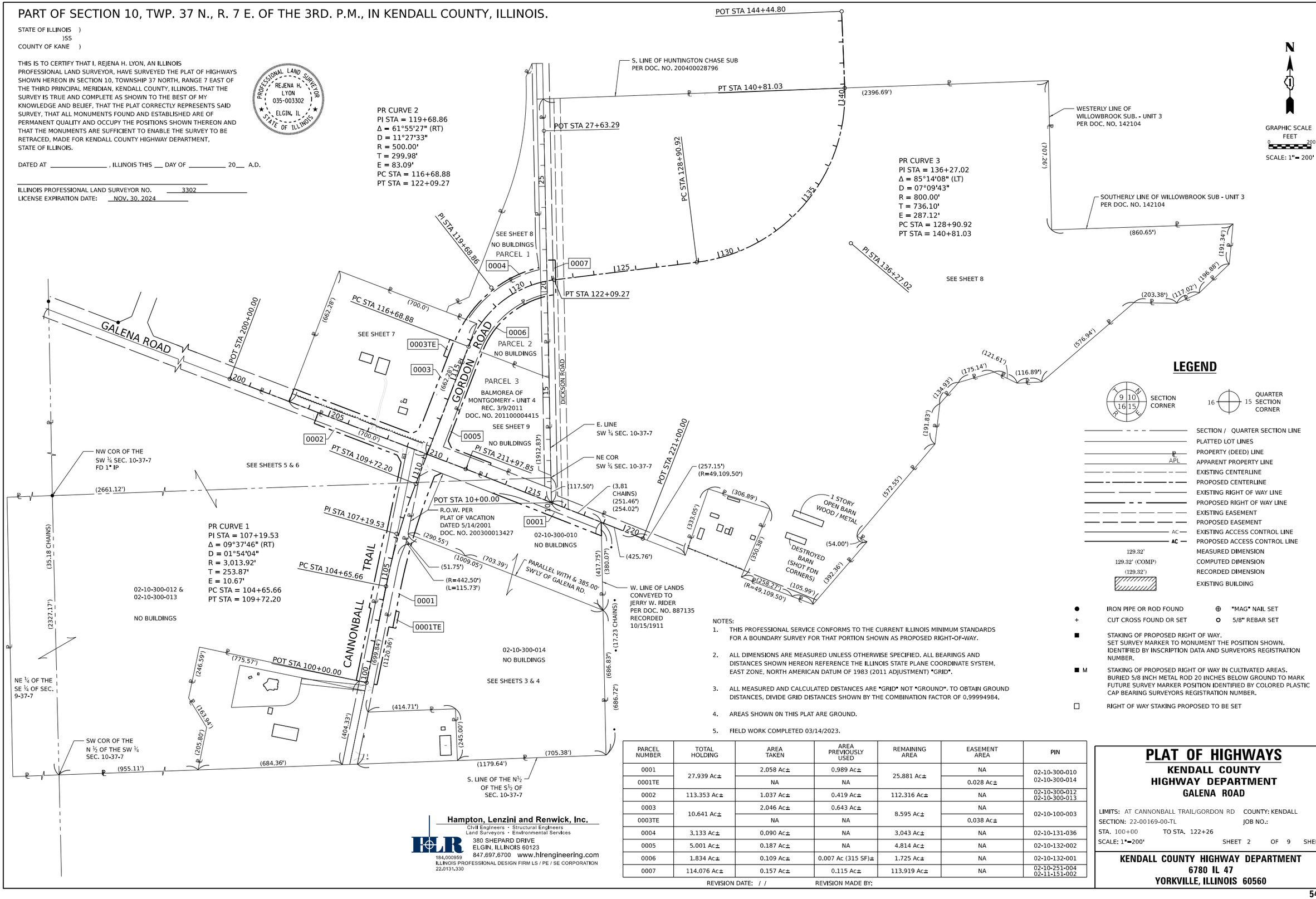
STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, REJENA H. LYON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY, ILLINOIS. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KENDALL COUNTY HIGHWAY DEPARTMENT, STATE OF ILLINOIS.

PROFESSIONAL LAND SURVEYOR
REJENA H. LYON
035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____, ILLINOIS THIS ___ DAY OF _____ 20___ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- ● IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- O 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:

1. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THAT PORTION SHOWN AS PROPOSED RIGHT-OF-WAY.
2. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. ALL BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994984.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. FIELD WORK COMPLETED 03/14/2023.

PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0001	27.939 Ac±	2.058 Ac±	0.989 Ac±	25.881 Ac±	NA	02-10-300-010
0001TE		NA	NA		0.028 Ac±	02-10-300-014
0002	113.353 Ac±	1.037 Ac±	0.419 Ac±	112.316 Ac±	NA	02-10-300-012 02-10-300-013
0003	10.641 Ac±	2.046 Ac±	0.643 Ac±	8.595 Ac±	NA	02-10-100-003
0003TE		NA	NA		0.038 Ac±	
0004	3.133 Ac±	0.090 Ac±	NA	3.043 Ac±	NA	02-10-131-036
0005	5.001 Ac±	0.187 Ac±	NA	4.814 Ac±	NA	02-10-132-002
0006	1.834 Ac±	0.109 Ac±	0.007 Ac (315 SF)±	1.725 Ac±	NA	02-10-132-001
0007	114.076 Ac±	0.157 Ac±	0.115 Ac±	113.919 Ac±	NA	02-10-251-004 02-11-151-002

REVISION DATE: / / REVISION MADE BY:

Hampton, Lenzini and Renwick, Inc.
Civil Engineers · Structural Engineers
Land Surveyors · Environmental Services
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
847.697.6700 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
22.0131.330

PLAT OF HIGHWAYS

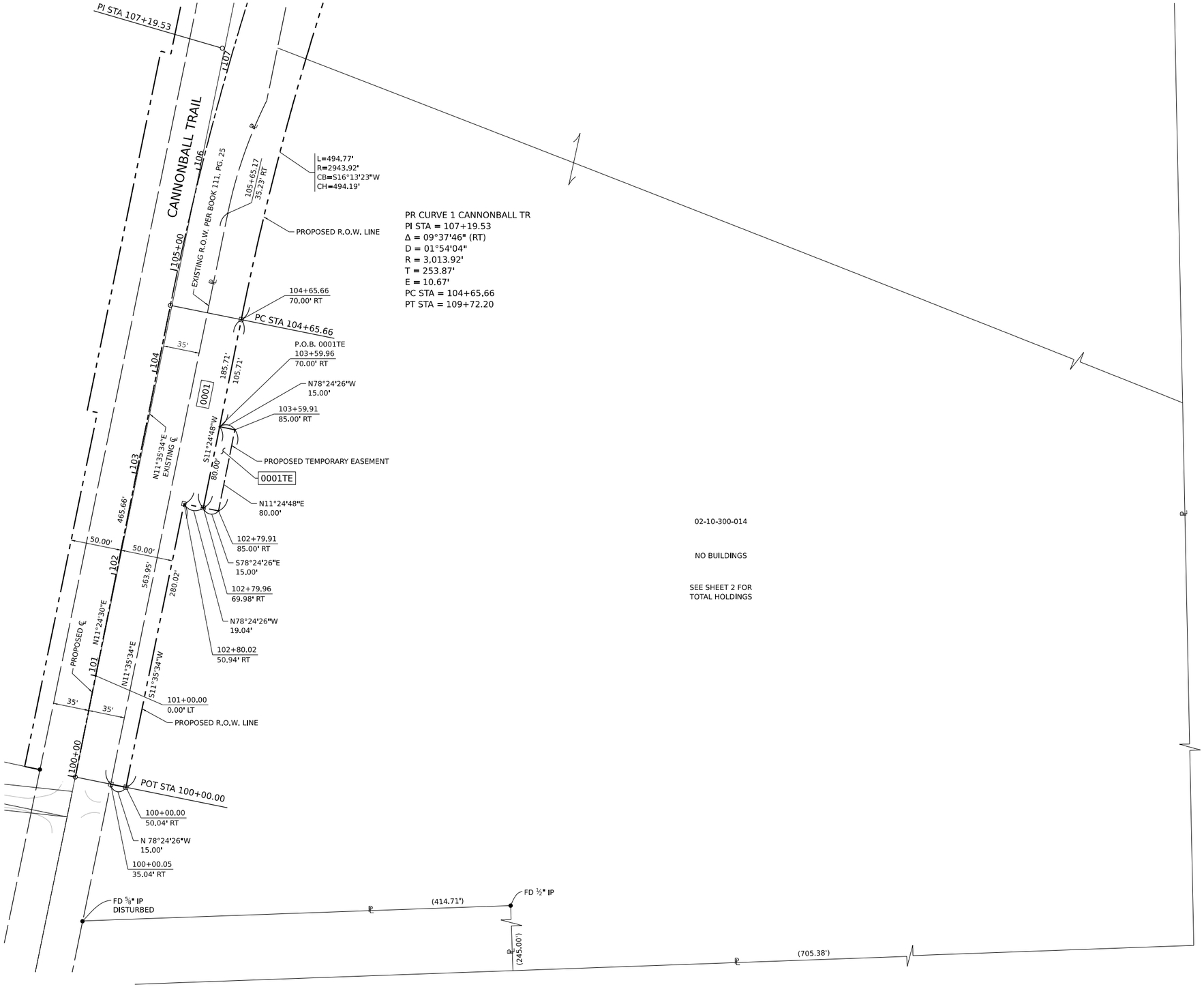
KENDALL COUNTY HIGHWAY DEPARTMENT

GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 100+00 TO STA. 122+26
SCALE: 1"=200' SHEET 2 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.



PR CURVE 1 CANNONBALL TR
PI STA = 107+19.53
Δ = 09°37'46" (RT)
D = 01°54'04"
R = 3,013.92'
T = 253.87'
E = 10.67'
PC STA = 104+65.66
PT STA = 109+72.20

02-10-300-014

NO BUILDINGS

SEE SHEET 2 FOR
TOTAL HOLDINGS

PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0001	27.939 Ac±	2.058 Ac±	0.989 Ac±	25.881 Ac±	NA	02-10-300-010
0001TE		NA	NA		0.028 Ac±	02-10-300-014

REVISION DATE: / / REVISION MADE BY:

LEGEND

SECTION CORNER (T N, R E, 9 10 16 15)

QUARTER SECTION CORNER (16 15)

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' — MEASURED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE
FEET
0 50

SCALE: 1"= 50'

- ● IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ○ 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, REJENA H. LYON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY, ILLINOIS. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KENDALL COUNTY HIGHWAY DEPARTMENT, STATE OF ILLINOIS.

PROFESSIONAL LAND SURVEYOR
REJENA H. LYON
035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____ . ILLINOIS THIS __ DAY OF _____ 20__ A.D.

_____

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024

NOTES:

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3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994984.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. FIELD WORK COMPLETED 03/14/2023.

Hampton, Lenzini and Renwick, Inc.
Civil Engineers · Structural Engineers
Land Surveyors · Environmental Services
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
847.697.6700 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
22.0131.330

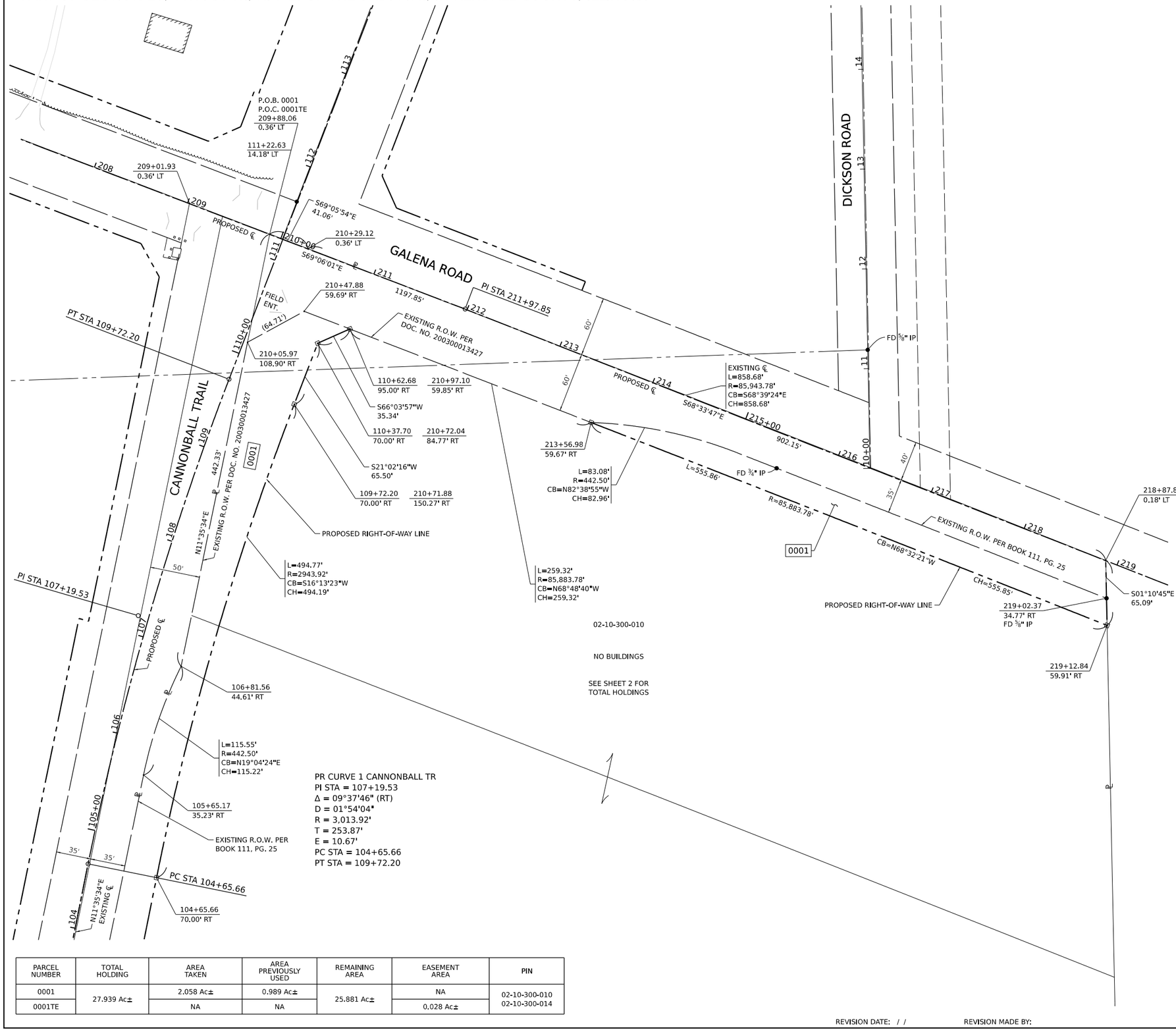
PLAT OF HIGHWAYS

KENDALL COUNTY
HIGHWAY DEPARTMENT
GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 100+00 TO STA. 107+00
SCALE: 1"=50' SHEET 3 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
129.32' MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

GRAPHIC SCALE FEET
0 50
SCALE: 1"= 50'

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

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PROFESSIONAL LAND SURVEYOR
REJENA H. LYON
035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____ , ILLINOIS THIS __ DAY OF _____ 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024

NOTES:
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4. AREAS SHOWN 0N THIS PLAT ARE GROUND.
5. FIELD WORK COMPLETED 03/14/2023.

PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0001	27.939 Ac±	2.058 Ac±	0.989 Ac±	25.881 Ac±	NA	02-10-300-010
0001TE		NA	NA		0.028 Ac±	02-10-300-014

REVISION DATE: / / REVISION MADE BY:

Hampton, Lenzini and Renwick, Inc.
Civil Engineers · Structural Engineers
Land Surveyors · Environmental Services
380 SHEPARD DRIVE
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22.0131.330

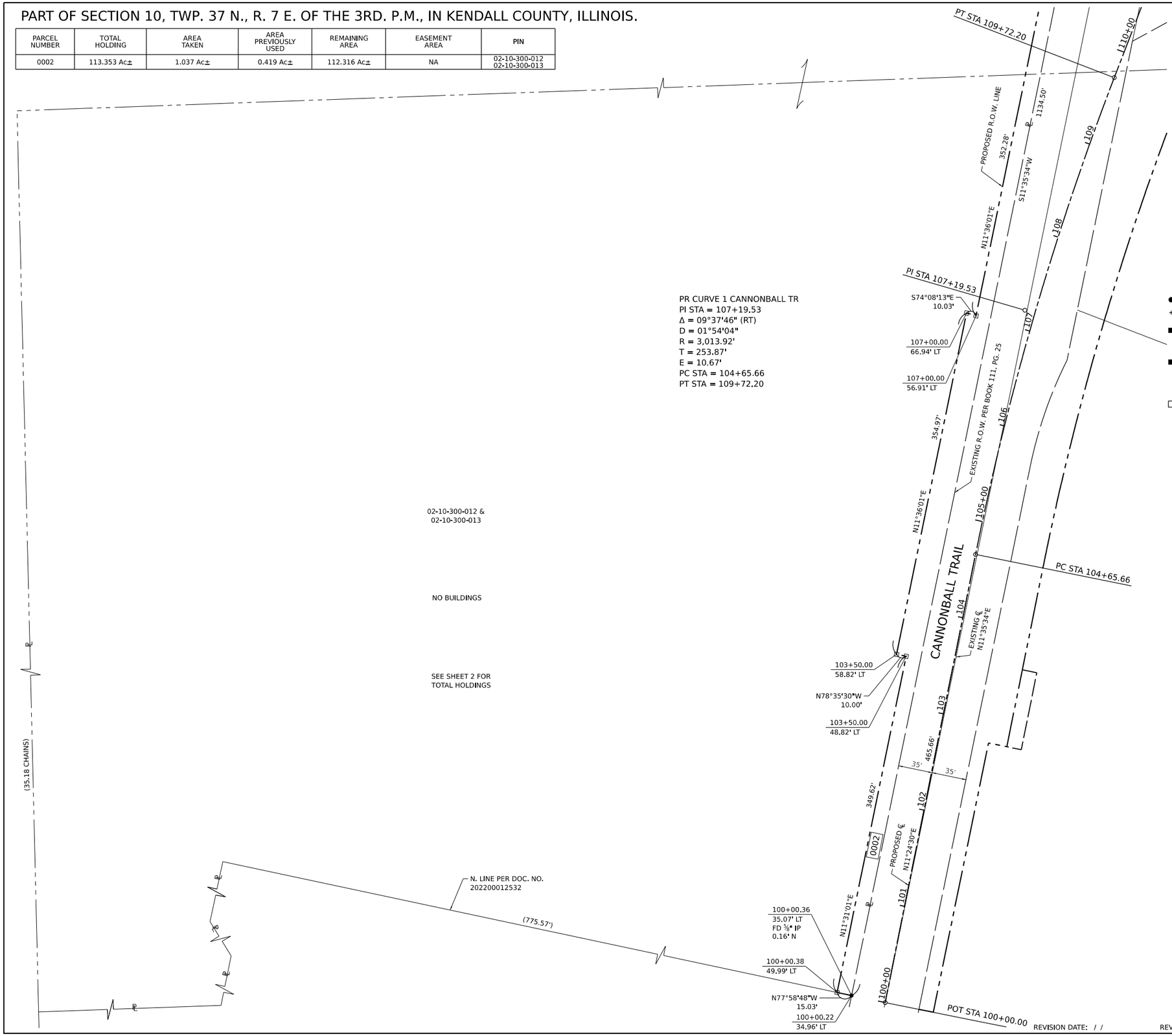
PLAT OF HIGHWAYS
KENDALL COUNTY HIGHWAY DEPARTMENT
GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 208+00 TO STA. 219+00
SCALE: 1"=50' SHEET 4 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0002	113.353 Ac±	1.037 Ac±	0.419 Ac±	112.316 Ac±	NA	02-10-300-012 02-10-300-013



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
AC	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
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129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

GRAPHIC SCALE
FEET
0 50
SCALE: 1"= 50'

●	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	○	5/8" REBAR SET

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STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

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PROFESSIONAL LAND SURVEYOR
REJENA H. LYON
035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____ . ILLINOIS THIS __ DAY OF _____ 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024

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22.0131.330

PLAT OF HIGHWAYS

KENDALL COUNTY HIGHWAY DEPARTMENT

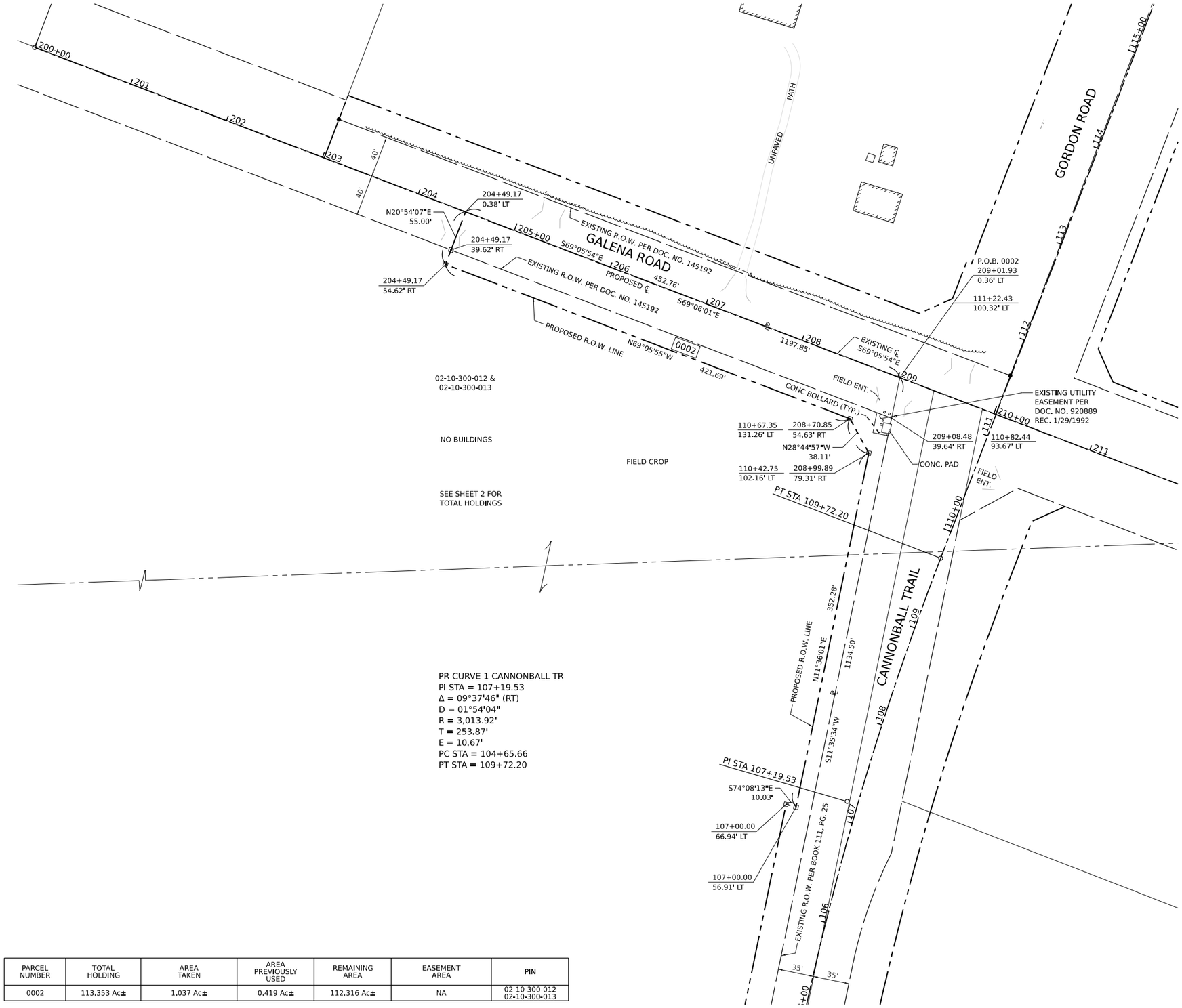
GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 100+00 TO STA. 110+00
SCALE: 1"=50' SHEET 5 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

REVISION DATE: / / REVISION MADE BY:

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.



PR CURVE 1 CANNONBALL TR
PI STA = 107+19.53
Δ = 09°37'46" (RT)
D = 01°54'04"
R = 3,013.92'
T = 253.87'
E = 10.67'
PC STA = 104+65.66
PT STA = 109+72.20

PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0002	113.353 Ac±	1.037 Ac±	0.419 Ac±	112.316 Ac±	NA	02-10-300-012 02-10-300-013

LEGEND

SECTION CORNER (T 37 N, R 7 E; 9 10 16 15)

QUARTER SECTION CORNER (16 15)

N

GRAPHIC SCALE
FEET
0 50
SCALE: 1"= 50'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
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- 129.32' MEASURED DIMENSION
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STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

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PROFESSIONAL LAND SURVEYOR
REJENA H. LYON
035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____, ILLINOIS THIS __ DAY OF _____ 20__ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024

NOTES:
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PLAT OF HIGHWAYS

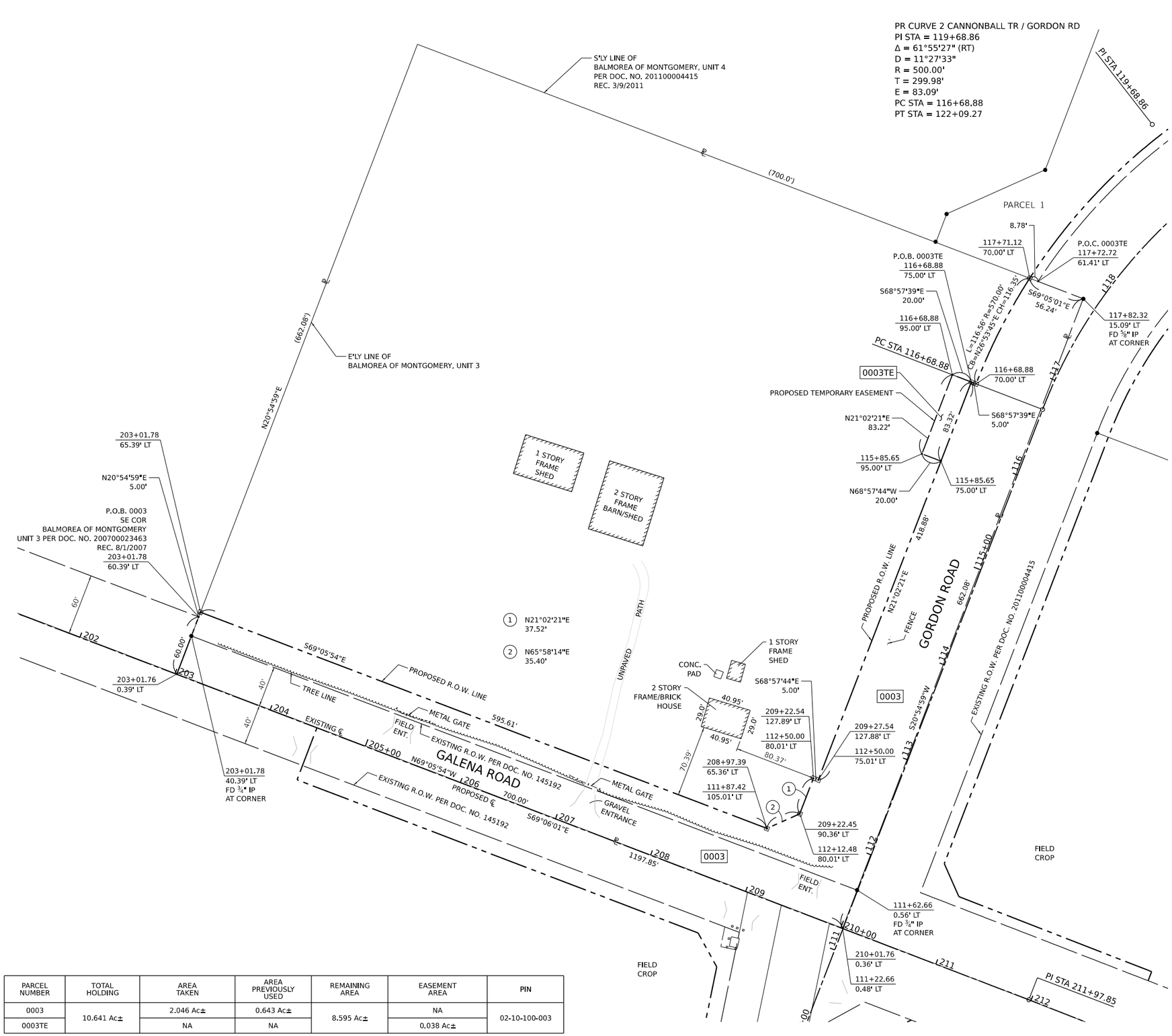
KENDALL COUNTY
HIGHWAY DEPARTMENT
GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 200+00 TO STA. 210+00
SCALE: 1"=50' SHEET 6 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

REVISION DATE: / / REVISION MADE BY:

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0003	10.641 Ac±	2.046 Ac±	0.643 Ac±	8.595 Ac±	NA	02-10-100-003
0003TE		NA	NA		0.038 Ac±	

REVISION DATE: / / REVISION MADE BY:

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (APL)
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- PROPOSED CENTERLINE
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- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- MEASURED DIMENSION (129.32')
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N

GRAPHIC SCALE
FEET
0 50
SCALE: 1"= 50'

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

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PROFESSIONAL LAND SURVEYOR
REJENA H. LYON
035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____ , ILLINOIS THIS __ DAY OF _____ 20__ A.D.

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ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024

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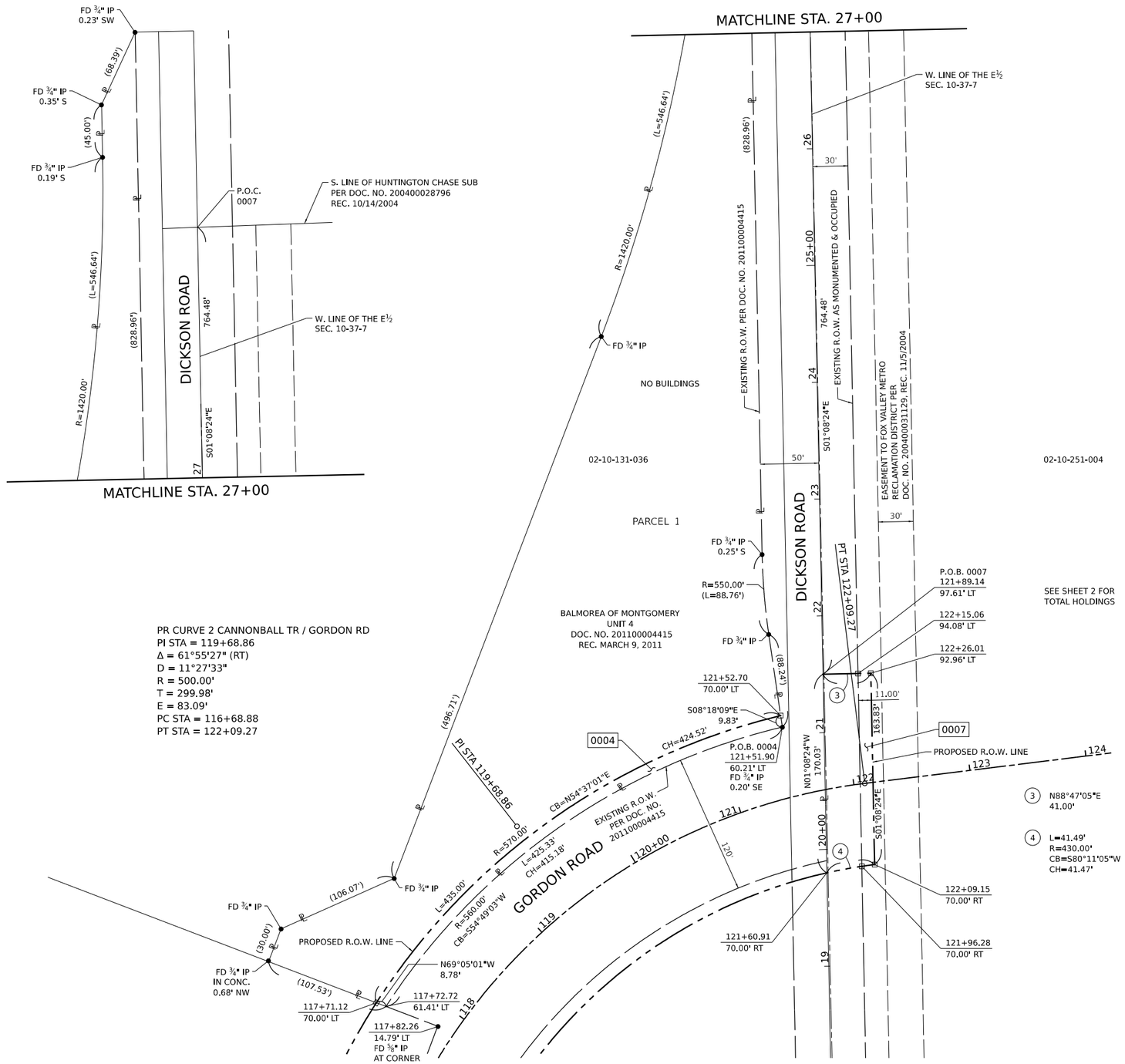
PLAT OF HIGHWAYS

KENDALL COUNTY
HIGHWAY DEPARTMENT
GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 111+00 TO STA. 118+00
SCALE: 1"=50' SHEET 7 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0004	3.133 Ac±	0.090 Ac±	NA	3.043 Ac±	NA	02-10-131-036
0007	114.076 Ac±	0.157 Ac±	0.115Ac±	113.919 Ac±	NA	02-10-251-004 02-11-151-002

REVISION DATE: / / REVISION MADE BY:

LEGEND

SECTION CORNER (T 37 N, R 7 E; 9 10 16 15)

QUARTER SECTION CORNER (16 15)

N

GRAPHIC SCALE
FEET
0 50
SCALE: 1"= 50'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
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129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
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)SS
COUNTY OF KANE)

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035-003302
ELGIN, IL
STATE OF ILLINOIS

DATED AT _____ . ILLINOIS THIS __ DAY OF _____ 20__ A.D.

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NOTES:

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2. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. ALL BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994984.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. FIELD WORK COMPLETED 03/14/2023.

Hampton, Lenzini and Renwick, Inc.
Civil Engineers · Structural Engineers
Land Surveyors · Environmental Services
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
847.697.6700 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
22.0131.330

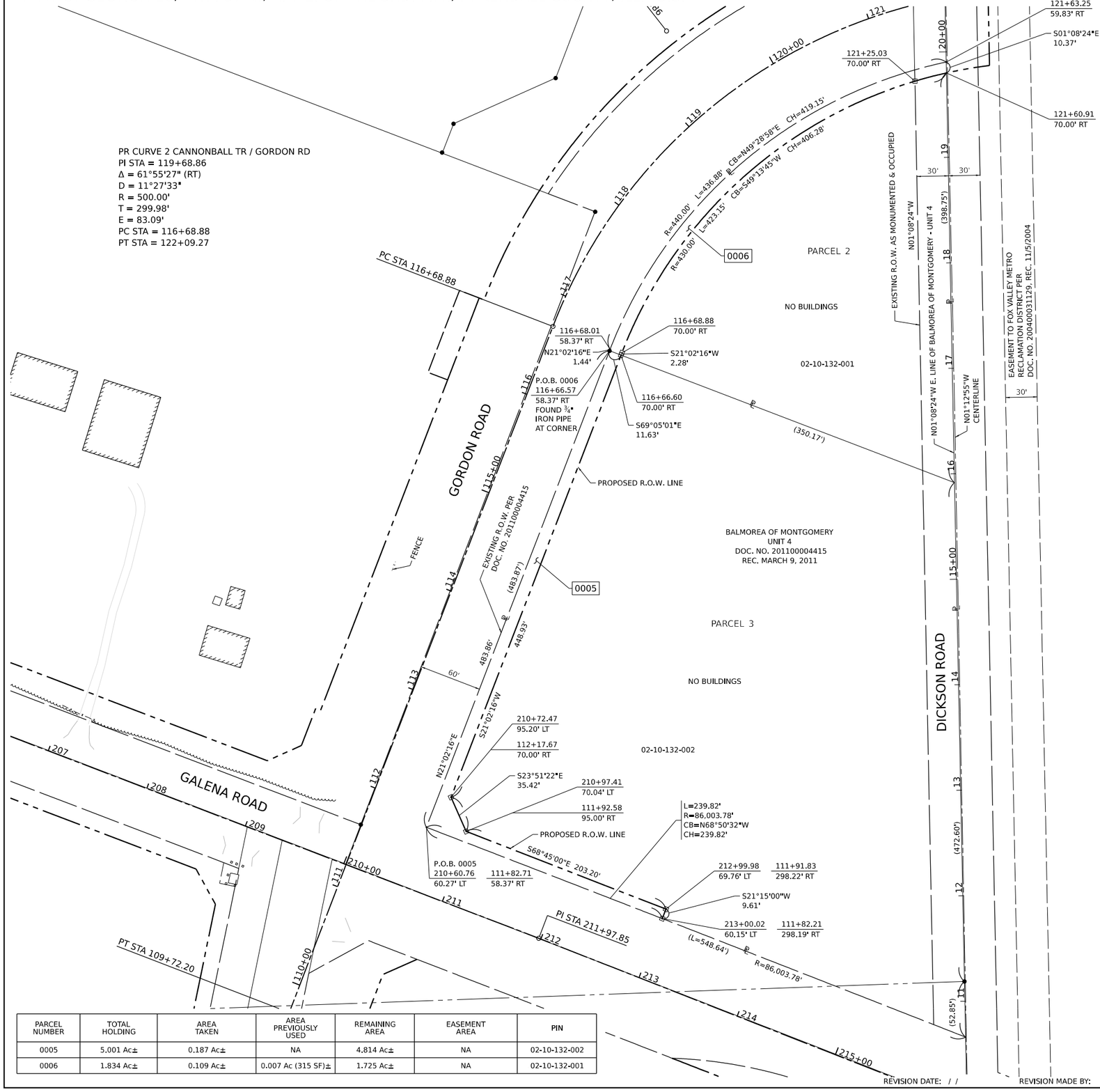
PLAT OF HIGHWAYS

KENDALL COUNTY
HIGHWAY DEPARTMENT
GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 118+00 TO STA. 124+00
SCALE: 1"=50' SHEET 8 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560

PART OF SECTION 10, TWP. 37 N., R. 7 E. OF THE 3RD. P.M., IN KENDALL COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDING	AREA TAKEN	AREA PREVIOUSLY USED	REMAINING AREA	EASEMENT AREA	PIN
0005	5.001 Ac±	0.187 Ac±	NA	4.814 Ac±	NA	02-10-132-002
0006	1.834 Ac±	0.109 Ac±	0.007 Ac (315 SF)±	1.725 Ac±	NA	02-10-132-001

REVISION DATE: / / REVISION MADE BY:

LEGEND

SECTION CORNER (T 37 N, R 7 E; 9 10 16 15) — QUARTER SECTION CORNER (16 15)

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE (P)
- APPARENT PROPERTY LINE (APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 50

SCALE: 1"= 50'

- ● IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ○ 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, REJENA H. LYON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 37 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY, ILLINOIS. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KENDALL COUNTY HIGHWAY DEPARTMENT, STATE OF ILLINOIS.

PROFESSIONAL LAND SURVEYOR — REJENA H. LYON — 035-003302 — ELGIN, IL — STATE OF ILLINOIS

DATED AT _____ , ILLINOIS THIS ___ DAY OF _____ 20___ A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3302
LICENSE EXPIRATION DATE: NOV. 30, 2024

NOTES:

1. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THAT PORTION SHOWN AS PROPOSED RIGHT-OF-WAY.
2. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. ALL BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994984.
4. AREAS SHOWN ON THIS PLAT ARE GROUND.
5. FIELD WORK COMPLETED 03/14/2023.

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Civil Engineers · Structural Engineers
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ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
22.0131.330

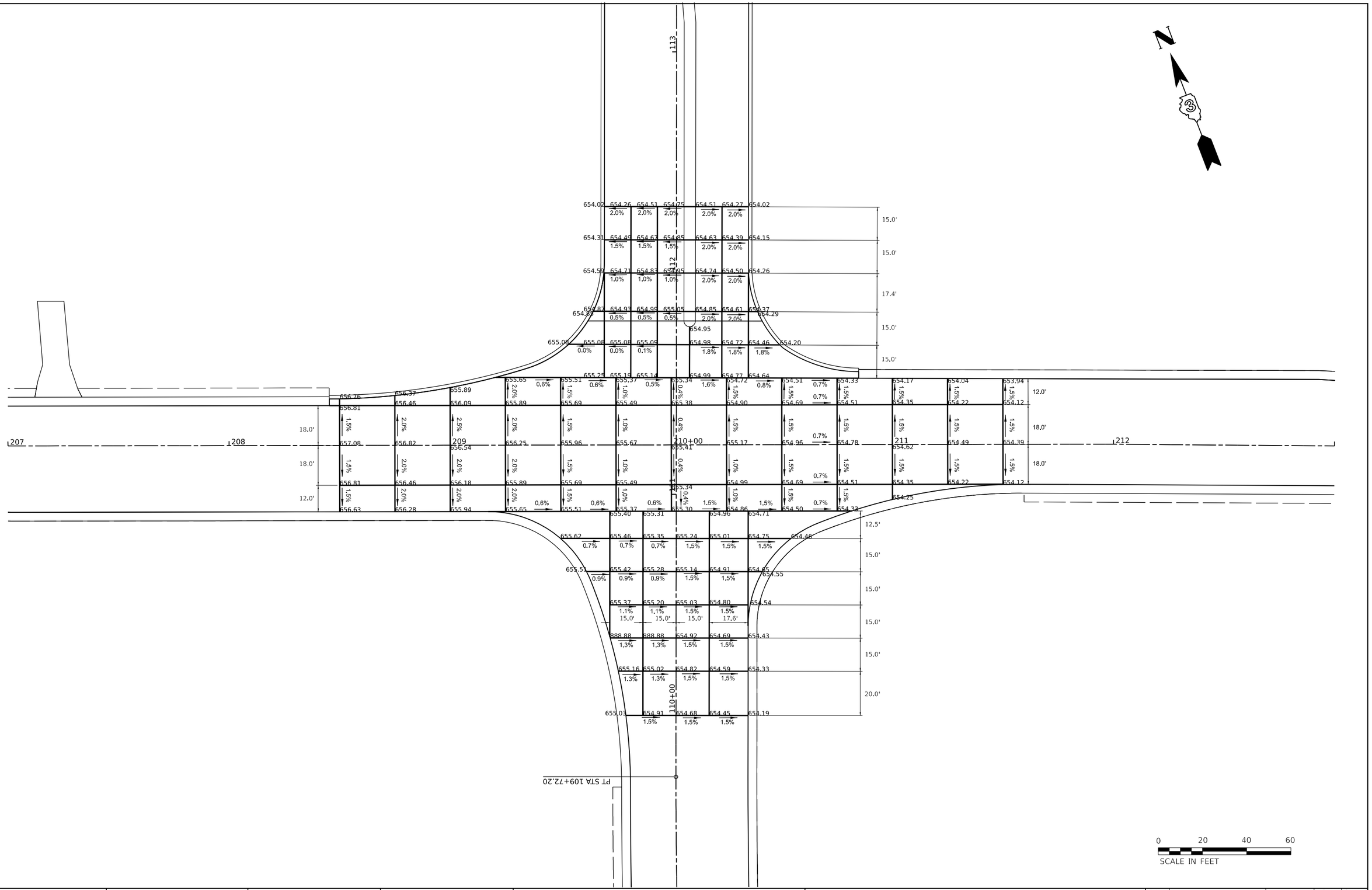
PLAT OF HIGHWAYS

KENDALL COUNTY HIGHWAY DEPARTMENT

GALENA ROAD

LIMITS: AT CANNONBALL TRAIL/GORDON RD COUNTY: KENDALL
SECTION: 22-00169-00-TL JOB NO.:
STA. 110+00 TO STA. 121+00
SCALE: 1"=50' SHEET 9 OF 9 SHEETS

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL 47
YORKVILLE, ILLINOIS 60560



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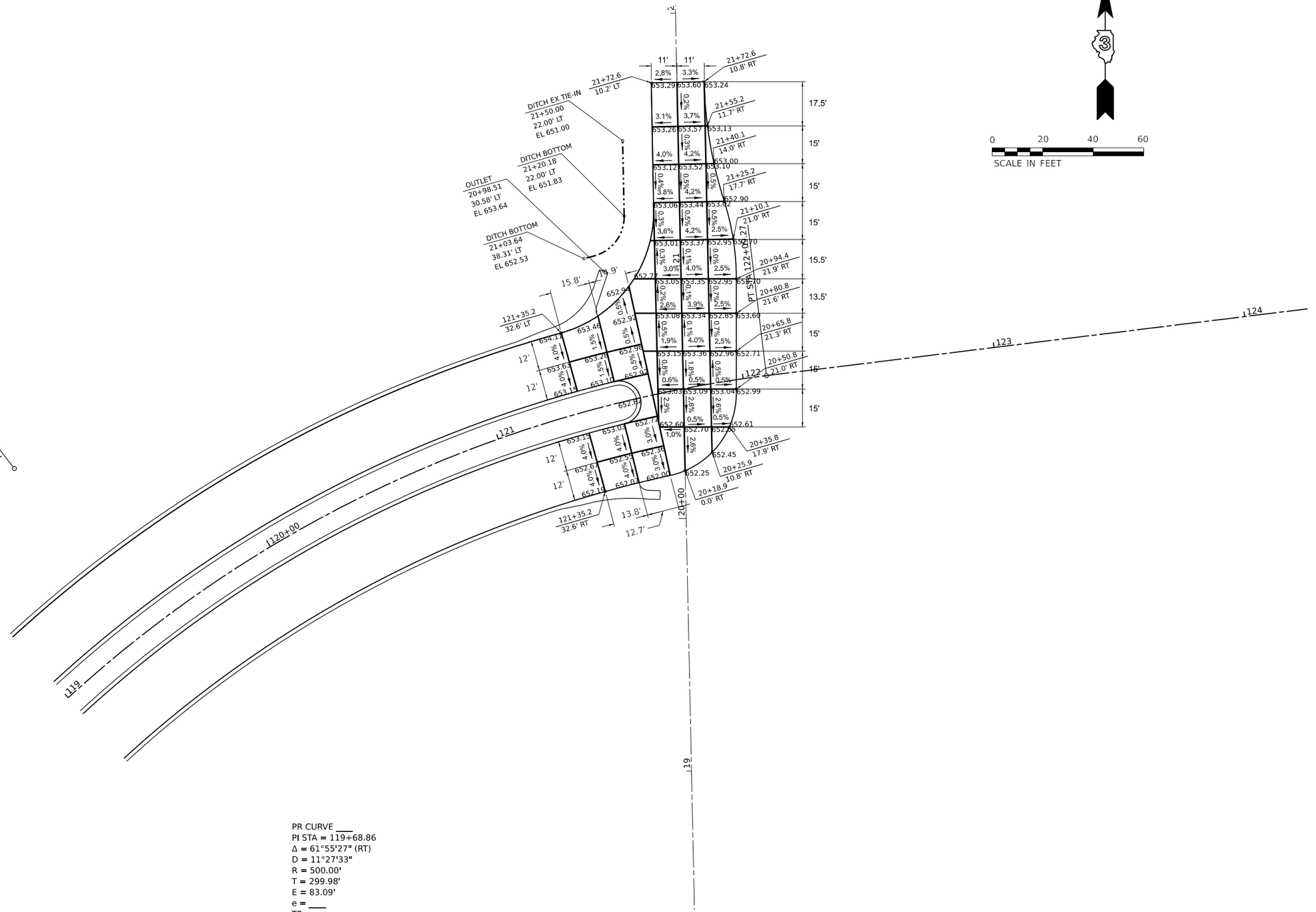
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		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
INTERSECTION GRADING PLAN

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	62
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

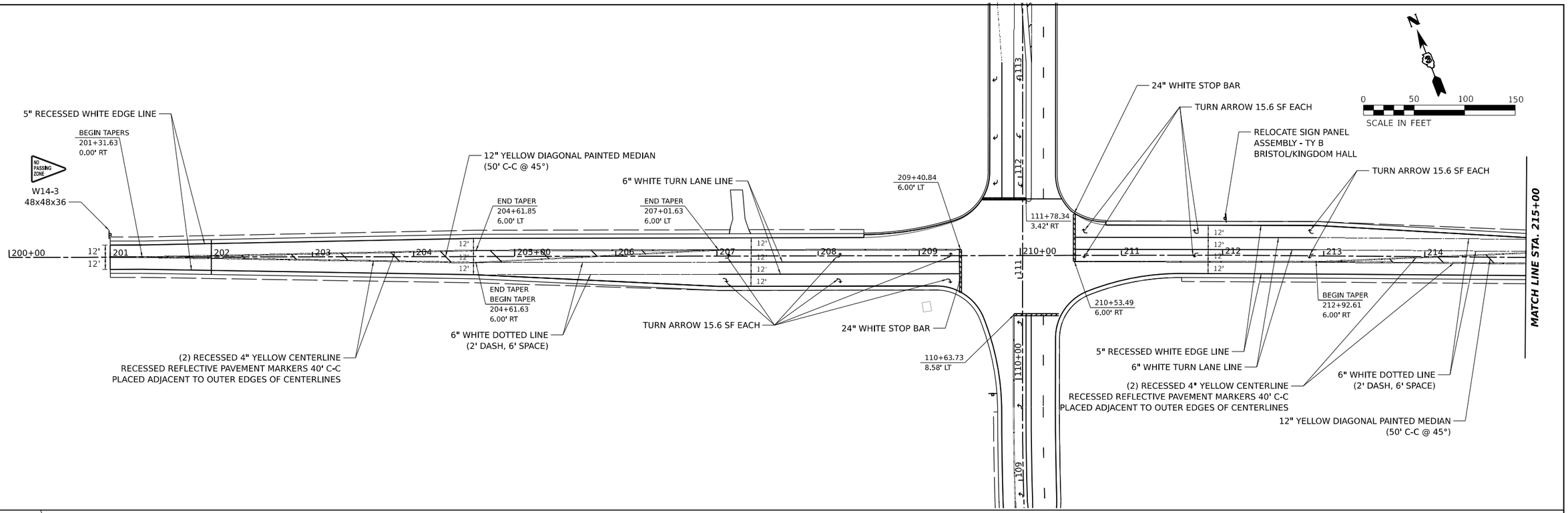


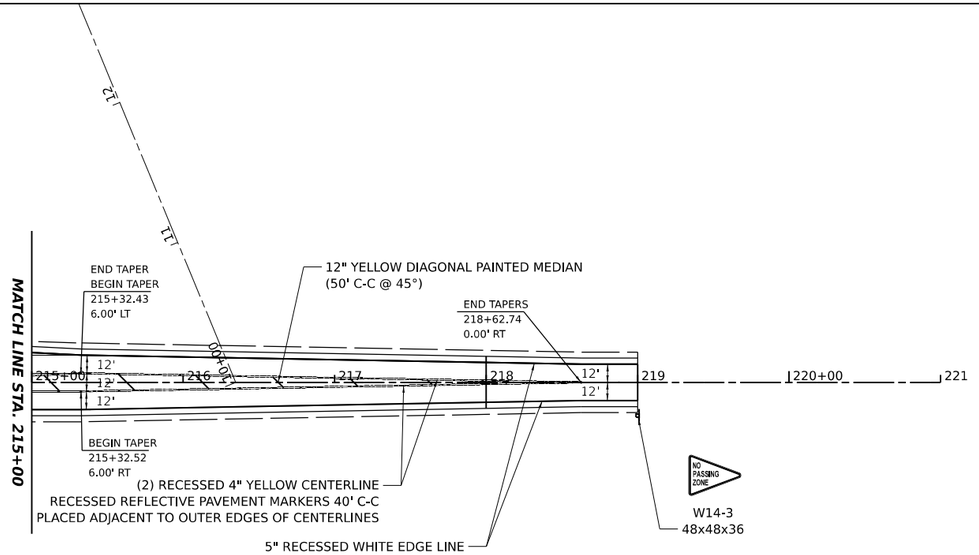
PR CURVE ___
PI STA = 119+68.86
Δ = 61°55'27" (RT)
D = 11°27'33"
R = 500.00'
T = 299.98'
E = 83.09'
e = ___
TR = ___
SE RUN = ___
PC STA = 116+68.88
PT STA = 122+09.27

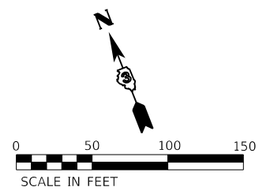
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GORDON ROAD AT DICKSON ROAD INTERSECTION GRADING PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	63
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



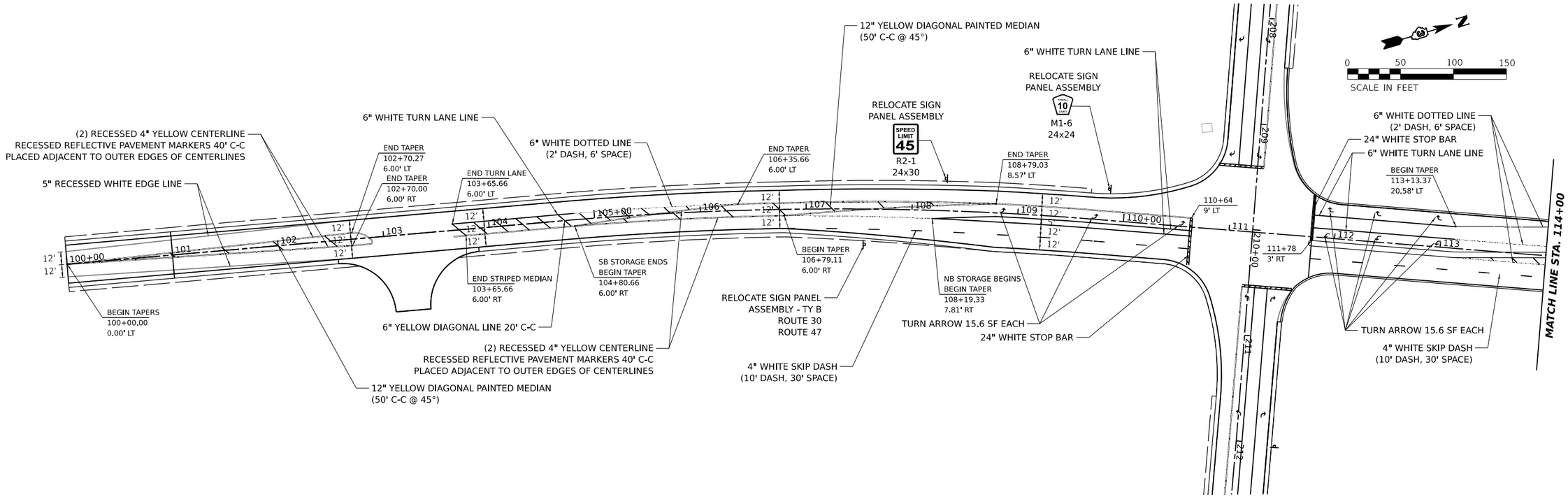


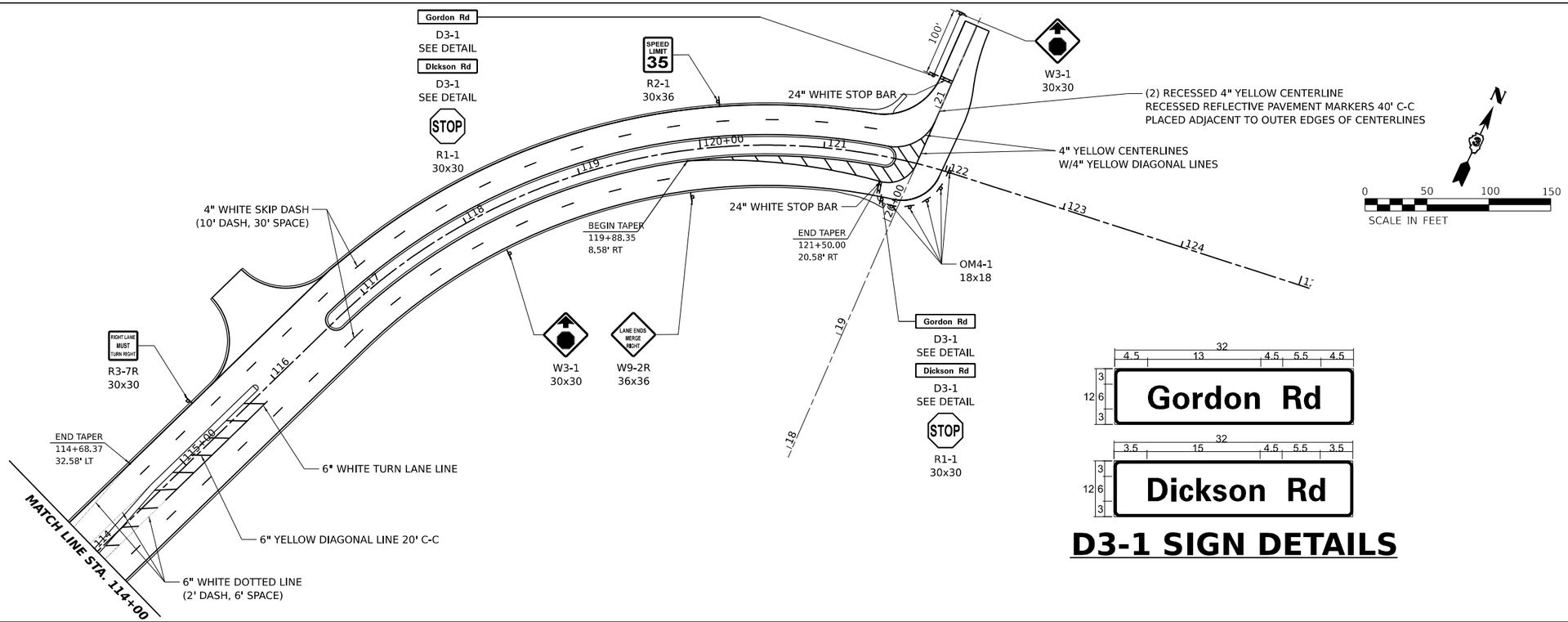


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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GALENA ROAD PAVEMENT MARKING AND SIGNING PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	64
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		





D3-1 SIGN DETAILS

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	CANNONBALL TRAIL / GORDON ROAD PAVEMENT MARKING AND SIGNING PLAN
		DRAWN -	REVISED -		
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	65
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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PLOT DATE = 3/4/2019	DATE - 9/29/2016		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -		REVISED -
	DRAWN -		REVISED -
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PLOT DATE = 10/13/2023	DATE -		REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

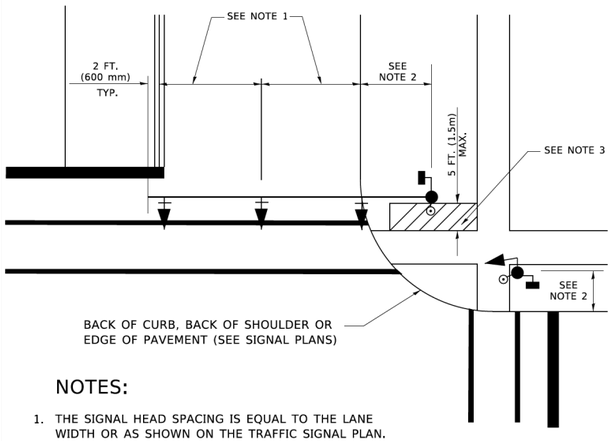
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	66
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

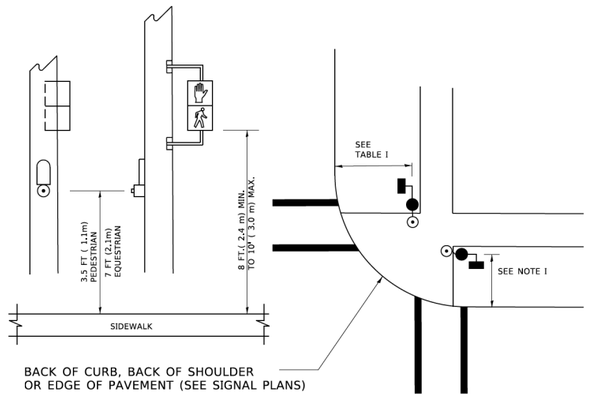
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

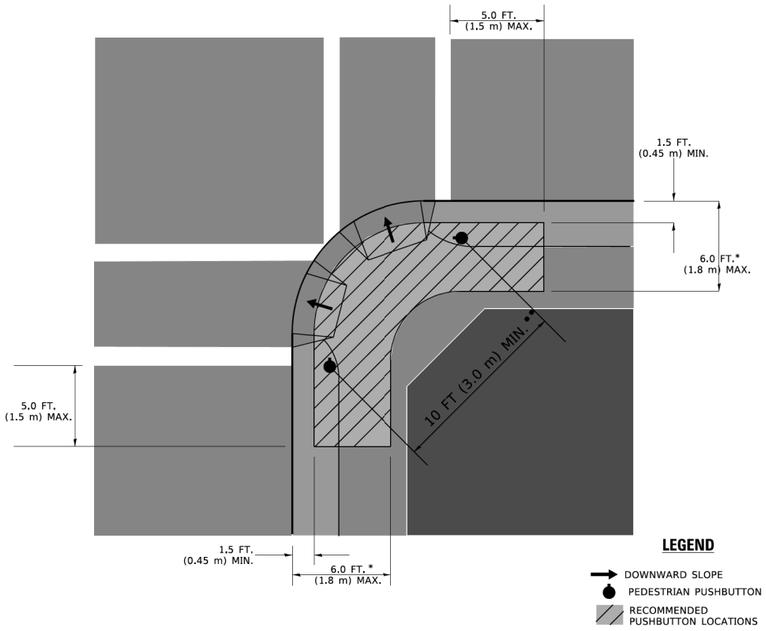
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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HAMPTON, LENZINI AND RENWICK, INC.
300 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
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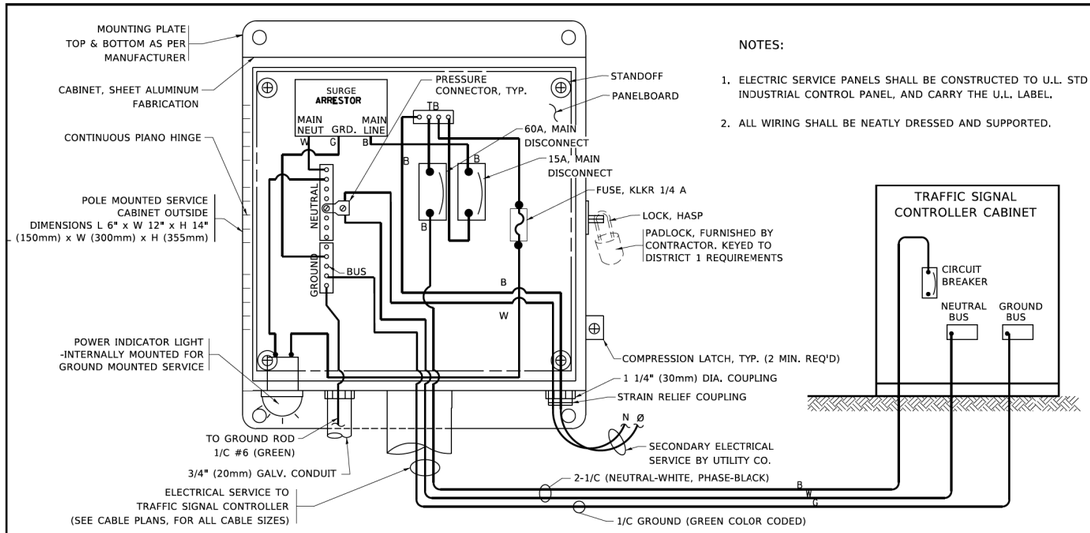
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	67
	CONTRACT NO.			
	ILLINOIS FED. AID PROJECT			



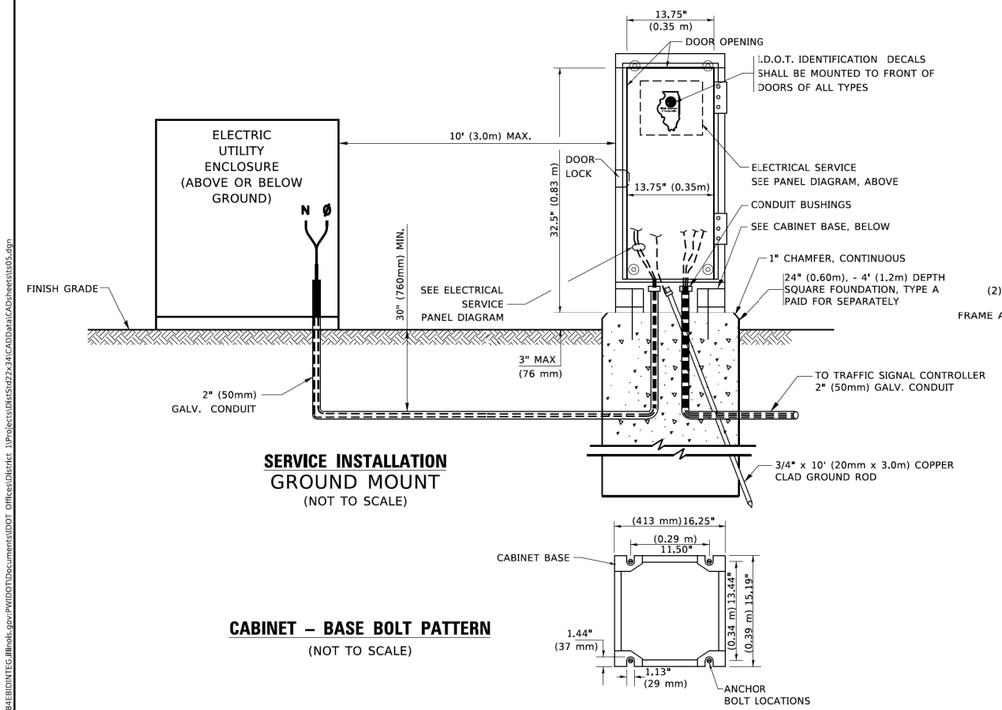
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

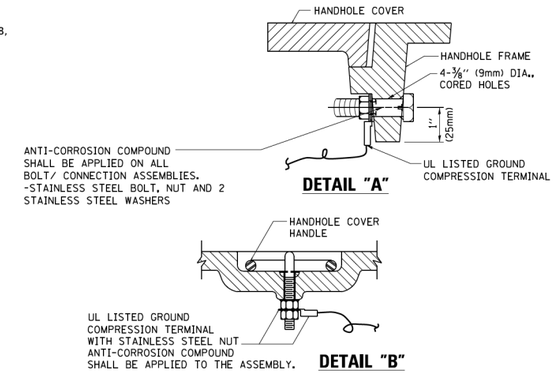


SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



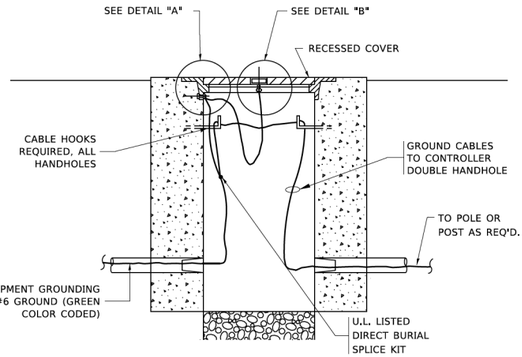
DETAIL "A"

DETAIL "B"

NOTES:

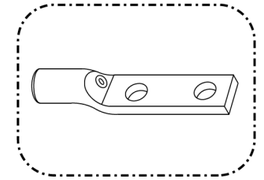
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

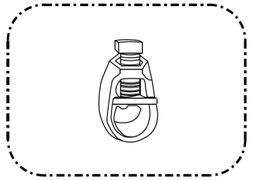


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



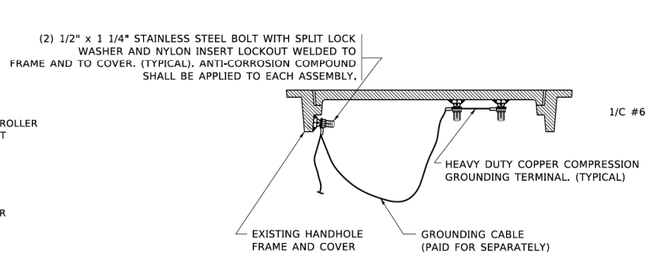
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

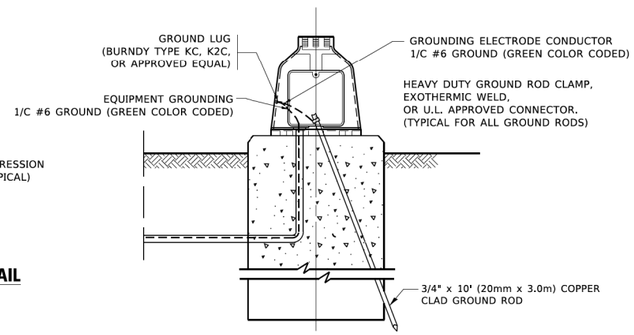
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
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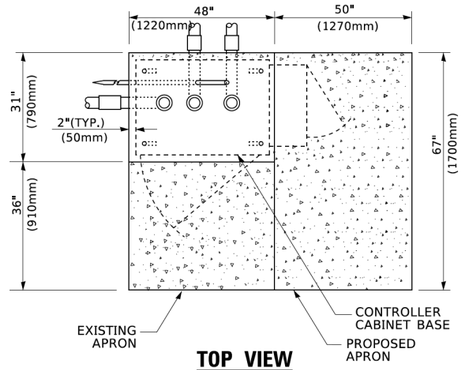
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

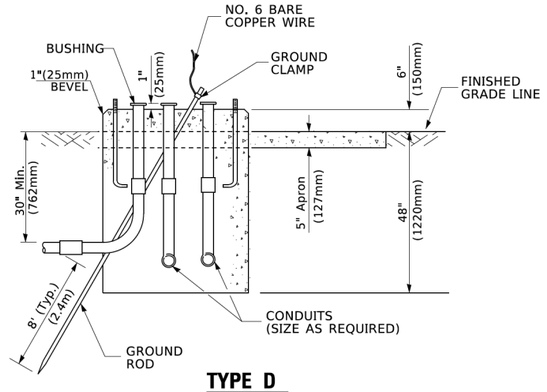
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

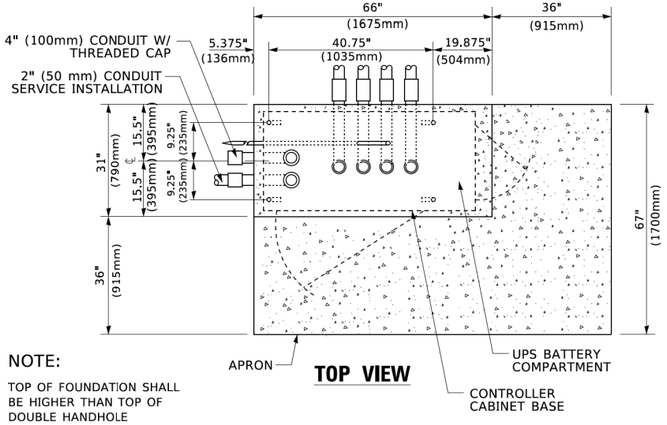
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	22-00169-00-TL	KENDALL	151	68
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



TOP VIEW



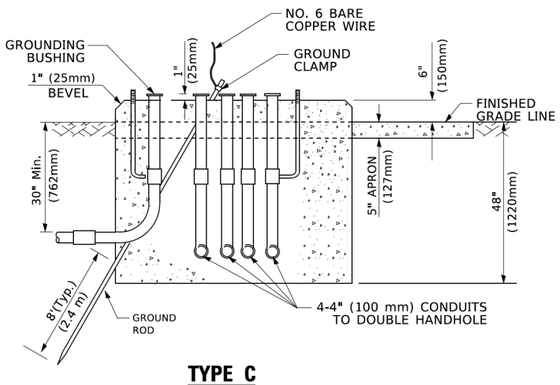
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



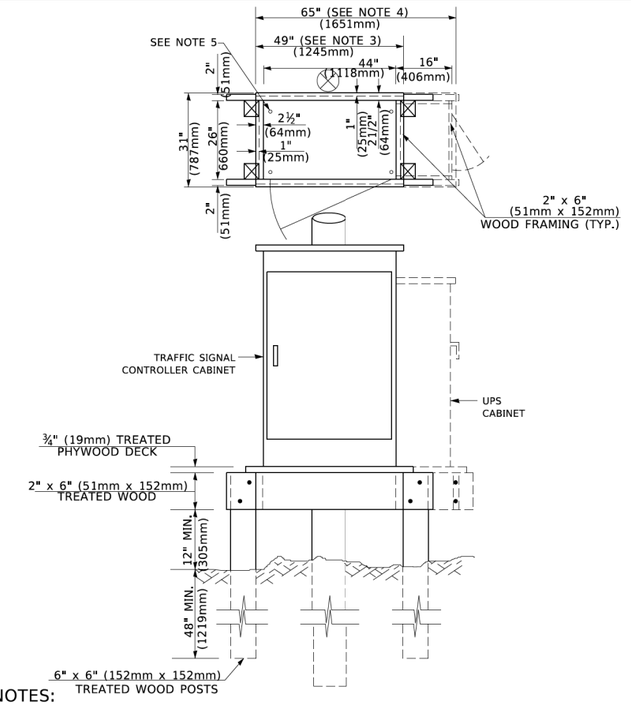
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
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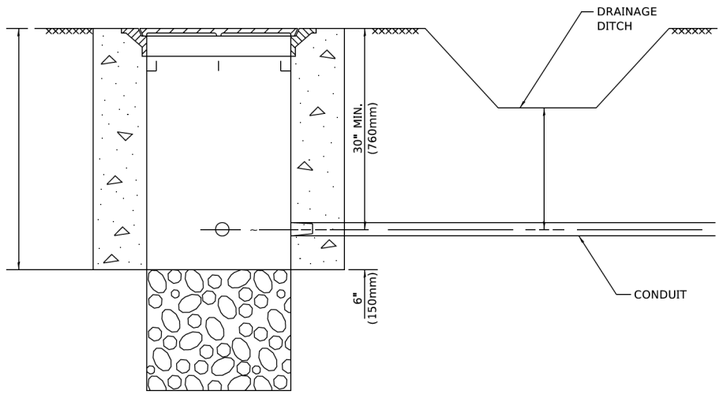
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	69
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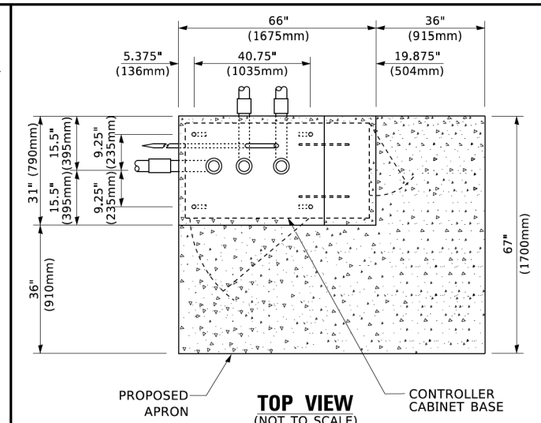


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

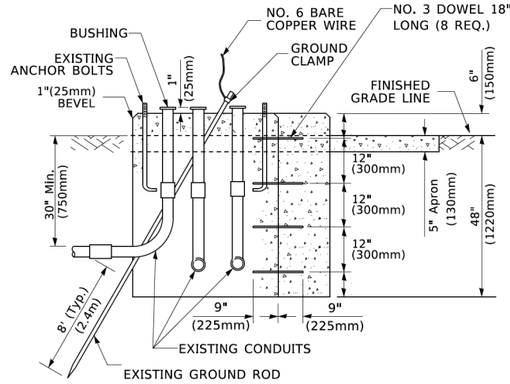
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



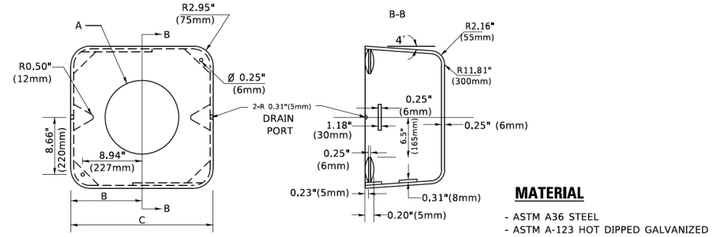
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

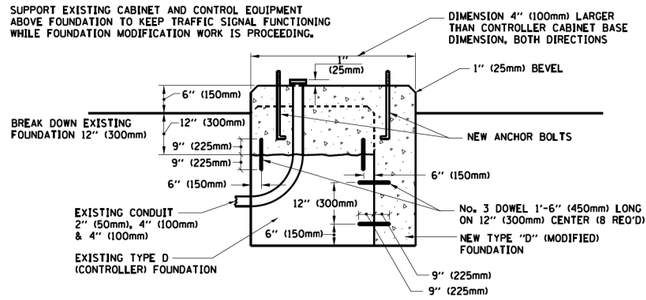
SHROUD

NOTES:

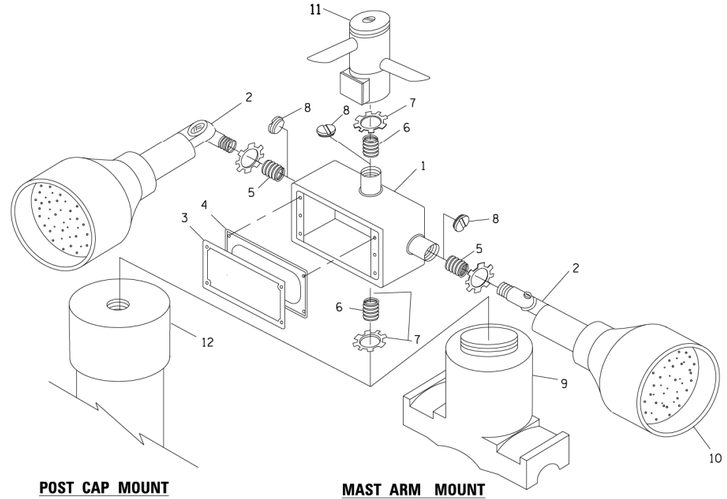
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



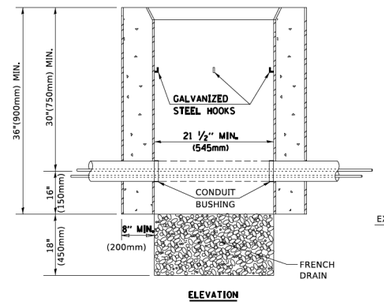
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

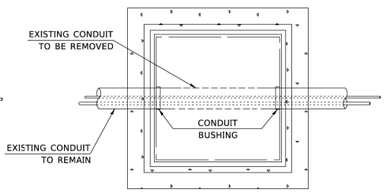
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



ELEVATION



PLAN

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE	SHEET 6 OF 7 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\2022\22031\Cad\02 Design\CADD_Sheets\220131-sht-ts Standards.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

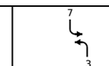
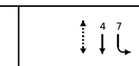
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE:	SHEET OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	70
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\2022\22031\Cad\02 Design\CADD_Sheets\220131-sht-ts Standards.dgn

PROPOSED SEQUENCE OF OPERATION

MOVEMENT																															FLASH
PHASE	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7				3 + 8				4 + 7				4 + 8				
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20A	20B	21	22	23	24A	24B	25	26	27	28A	28B	
CHANGE TO		1+6	2+5	2+6	ϕ	ϕ	2+6	ϕ	ϕ	2+6			3+7 3+8 4+7 4+8			1+5 1+6 2+5 2+6	3+8	4+7	ϕ	ϕ	1+5 1+6 2+5 2+6		4+8	ϕ	ϕ	1+5 1+6 2+5 2+6		4+8			1+5 1+6 2+5 2+6		
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄ G	R ◄ Y	R ◄ G	R ◄ Y	R	R	R	G ◄ G	G ◄ G	G ◄ Y	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄ G	R ◄ G	R ◄ Y	R ◄ Y	G ◄ G	G ◄ G	G ◄ Y	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄ G	R ◄ Y	R ◄ Y	R ◄ G	R	R	R	R	R	G ◄ G	G ◄ G	Y	R	G ◄ Y	G	G	Y	R	R
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄ G	R ◄ Y	R ◄ G	R ◄ Y	G ◄ G	G ◄ G	Y	R	G ◄ Y	R	R	R	R	R	G	G	Y	R	R
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	R	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	H	H	H	*P	**FH	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	*P	**FH	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	*P	**FH	H	H	H
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	*P	**FH	H	H	H

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

** FLASHING "[hand]" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE. THIS "[hand]" OR FLASHING "[hand]" INTERVAL MAY FINISH TIMIMG IN THE

ϕ BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "[hand]" OR FLASHING "[hand]" INTERVALS. "[hand]" AND FLASHING "[hand]" TIMINGS TO BE SET ONLY ON PHASES WHERE "[hand]" AND FLASHING "[hand]" ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

NLT = "NO LEFT TURN" OR [sign]

NRT = "NO RIGHT TURN" OR [sign]

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

														PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2																
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		8		11		14	18		22	26																					
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER														2		3																
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE										
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	2	1N	2	1Q	2	1S	2	3	4	5													
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄ Y	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△											
MAIN STREET E/B FAR RIGHT SIGNAL	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△											
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄ Y	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G ◄ G	△											
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△											
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R ◄ G	R	R	G ◄ G	G	G	R	R	G	G	G ◄ G	Y	R	R	△											
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	G	G	G	Y	R	R	△											
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R ◄ Y	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△											
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△											
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△											
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△											
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	△											
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	△											
INTERNALLY ILLUMINATED NRT SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△											
INTERNALLY ILLUMINATED NLT SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	△											
																					HOLD											

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

MODEL: Default
FILE NAME: pw:\\UB4EBIDNTEG.illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\Std5\d22x34(CADData\CADSheets\st508.dgn

USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

EMERGENCY VEHICLE PREEMPTION
SEQUENCE OF OPERATION – MAIN STREET AND CROSS STREET

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-08	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\2022\22013\Cad\002 Design\CADD Sheets\220131-sht-ts Standards.dgn

HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	71
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H-O-A- SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-240			
	ILLINOIS FED. AID PROJECT	CONTRACT NO.		

TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)

COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

USER NAME = Nora	DESIGNED - RT	REVISED -	10/13/2015
PLOT SCALE = 4.0000 ' / In.	DRAWN -	REVISED -	T.G. 4/12/2017
PLOT DATE = 6/6/2013	CHECKED - RT	REVISED -	K. Brown 3/22/18
	DATE - 08/18/2014	REVISED -	T.G. 10/13/2021

MODEL: Default
FILE NAME: P:\2022\220131\Cad\02 Design\CADD Sheets\220131-sht-ts Standards.dgn

BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

SIDE VIEW (TRUSS ARM)
N.T.S.

SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-701			
	ILLINOIS FED. AID PROJECT	CONTRACT NO.		

USER NAME = Nora	DESIGNED -	REVISED -	09-06-03
PLOT SCALE = 50.0000 ' / In.	DRAWN -	REVISED -	
PLOT DATE = 6/5/2019	CHECKED -	REVISED -	
	DATE -	REVISED -	

MODEL: Default
FILE NAME: P:\2022\220131\Cad\02 Design\CADD Sheets\220131-sht-ts Standards.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	72
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

EVOLVE

ERL2 Cobra Head
LED Roadway Lighting

CUSTOMER NAME **KENDALL COUNTY**
PROJECT NAME
DATE _____ TYPE
CATALOG NUMBER **ERL2-0-19-C5-40-D-GRAY-AGILT**



The Evolve® LED Roadway ERL2 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure. Casting Integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder painted, minimum 2.0 mil thickness (RAL & custom colors available) Standard = Black, Dark Bronze Gray, White Optional = Coastal Finish
Weight:	24.0 lbs (10.9 kgs)

Optical System

Lumens:	16,000 - 32,000
Distribution:	Type II Narrow, Type II Wide, Type III, Type IV and Type II Enhanced Back light
Efficacy:	112-140 LPW
CCT:	2700K, 3000K, 4000K, 5000K
CRI (Min):	70 CRI

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
Power Factor:	≥ 90% at rated watts
Total Harmonic Distortion:	≤ 20% at rated watts

Surge Protection*

STANDARD	OPTIONAL
☐ 10kV/5kA	☐ Secondary 10kV/5kA (R Option) or ✓ Secondary 20kV/10kA (T Option)

***Per ANSI C136.2-2018**

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
16	A5, B5, C5, D5, E5	L99	L99	L99
18	A5, B5, C5, D5, E5	L99	L98	L98
19	A5, B5, C5, D5, E5	L99	L98	L97
21	A5, B5, C5, D5, E5	L94	L87	L85
23	A5, B5, C5, D5, E5	L97	L96	L95
25	A5, B5, C5, D5, E5	L96	L95	L95
27	A5, B5, C5, D5, E5	L96	L94	L94
28	A5, B5, C5, D5, E5	L96	L94	L93
30, 31	A5, B5, C5, D5, E5	L95	L93	L92
32	A5, B5, C5, D5, E5	L94	L91	L90

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Ratings

Operating Temp:	-40°C to 50°C *
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards
EMI:	Title 47 CFR Part 15 Class A
RoHS:	Complies with the material restrictions of RoHS

***ERL2 (32K Lumen 347-480V SKU) operates at -40°C to 45°C**

Controls

Dimming:	Standard-0-10V ✓ Optional-DALI (Option U) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid Compatible

Warranty

☐ 5 Year (Standard) ☑ 10 Year (Optional)

Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

IP65 Optical Enclosures · IK07 · CONTROLS ENABLED

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EVOLVE
ERL2 Cobra Head
LED Roadway Lighting
CUSTOMER NAME **KENDALL COUNTY**
PROJECT NAME
DATE _____ TYPE
CATALOG NUMBER **ERL2-0-19-C5-40-D-GRAY-AGILT**

Ordering Information

ERL2 0 – 19 – – C5 – – 40 – – D – GRAY – – – – AGILT – – –

PROD. ID	VOLTAGE	LUMENS (LM)	DISTRIBUTION[3]	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V [1]	16 = 16,000 lm	A5 = Type II Narrow	27 = 2700K[2]	A = 7-Pin Receptacle	GRAY = Gray	A = 4 Bolt Slipfitter[4]
R = Roadway	H = 347-480V[1]	18 = 18,000 lm	B5 = Type II Wide	30 = 3000K[2]	D = 7-Pin Receptacle with Shorting Cap	BLCK = Black	B = Tether
L = Local	1 = 120V	19 = 19,000 lm	C5 = Type III	40 = 4000K	E = 7-Pin Receptacle with non-Dimming Long Life PE[5]	DKBZ = Dark Bronze	F = Fusing
2 = Double Module	2 = 208V	21 = 21,000 lm	D5 = Type IV[10]	50 = 5000K	Note: 0-10V control standard unless DALI Option "U" requested	WHTE = White	G = Internal Bubble Level
	3 = 240V	23 = 23,000 lm	E5 = Type II Enhanced Back Light				I = Optional IP66 Optical Enclosure
	4 = 277V	25 = 25,000 lm					L = Tool-Less Entry
	D = 347V	27 = 27,000 lm					R = Secondary 10kV/5kA SPD
	5 = 480V	28 = 28,000 lm					T = Secondary 20kV/10kA SPD[1]
		30 = 30,000 lm					U = DALI Programmable[6,7]
		31 = 31,000 lm					V1 = Field Adjustable Module[9]
		32 = 32,000 lm					Y = Coastal Finish[8]
							XXX = Special Options

1. **Not Available with Fusing**
2. **Select 2700K or 3000K CCT for IDA approved units**
3. **Nominal IES Type classing subject to typical variation, individual units may differ**
4. **Lead time varies, contact Factory**
5. **Per ANSI C136.10-2017**
6. **Compatible with LightGrid**
7. **Not available in 347V, 480V or 347-480V**
8. **Recommended for installations within 750 feet from coast. Lead time varies, check with factory.**
9. **Not available with DALI "U" option**
10. **Forward throw distribution. Classifies as Type III for lumen codes 23-32. Review IES curve for application.**

Suggested HID Replacement

Approximately 21,500 -32,000 lumens to replace 400W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

Current
gecurrent.com/brands/evolve
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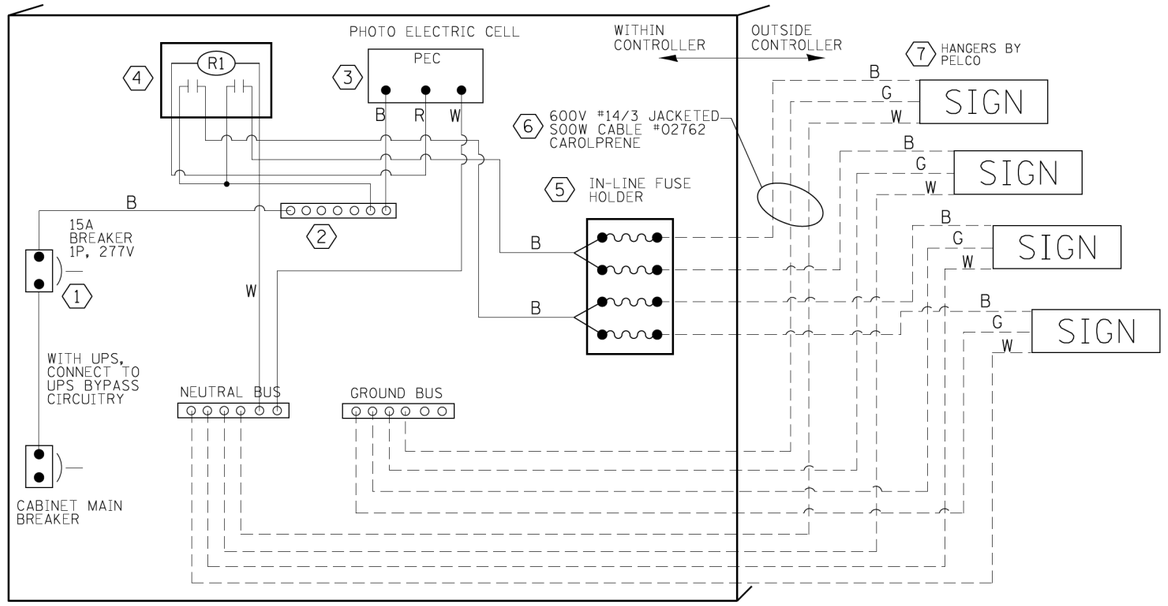
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
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GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

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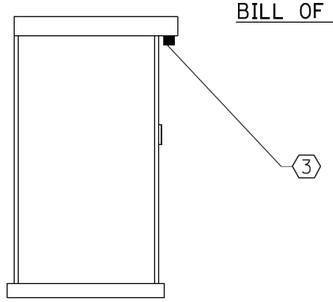
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	ILLINOIS	FED. AID PROJECT		



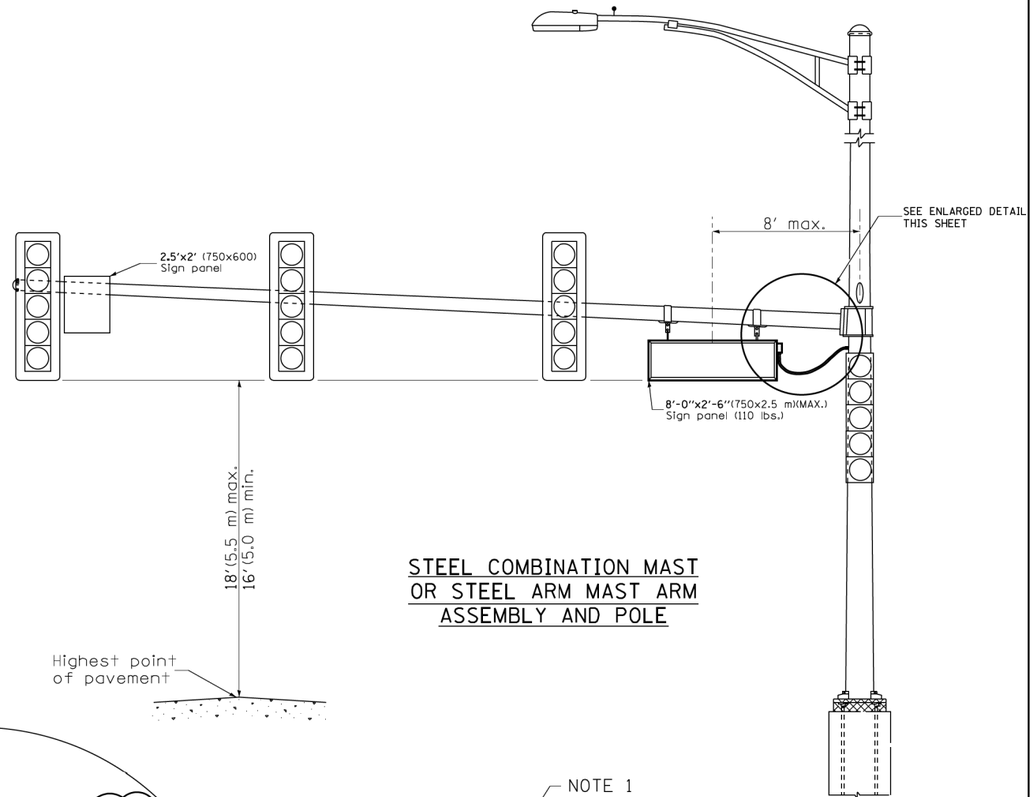
LED SIGN WIRING DETAIL

DESCRIPTION	MANUFACTURER	MODEL	NOTES
1 CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
2 TERMINAL BLOCK	MARATHON	1502 DJSV	
3 PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
4 CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
5 INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
6 ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
7 SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

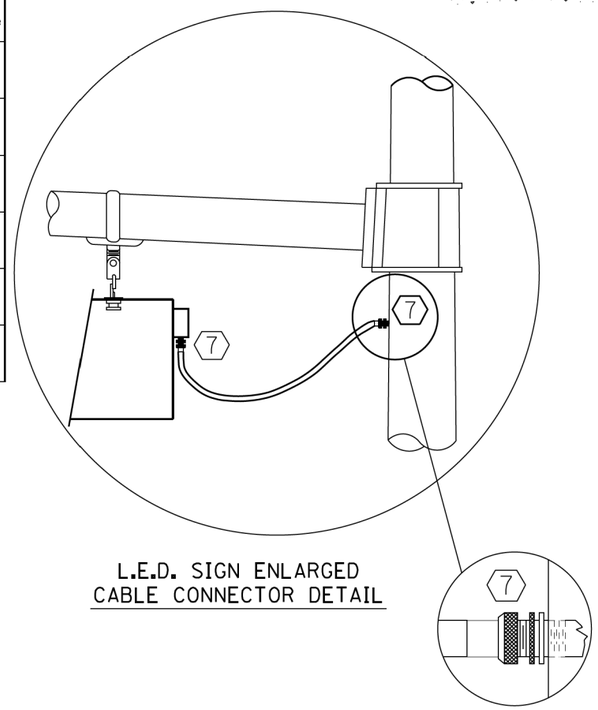
BILL OF MATERIALS



CONTROLLER CABINET
SIDE VIEW

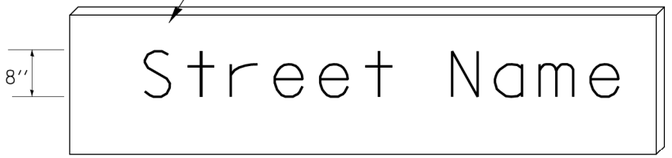


STEEL COMBINATION MAST OR STEEL ARM MAST ARM ASSEMBLY AND POLE



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL

L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL

8'0 x 2'6" (750 mm x 2.5 mm)(MAX)
C or D FONT

NOTES:

1. SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
2. SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
3. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
   R = RED BL = BLUE W = WHITE
   B = BLACK Y = YELLOW G = GREEN
4. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
5. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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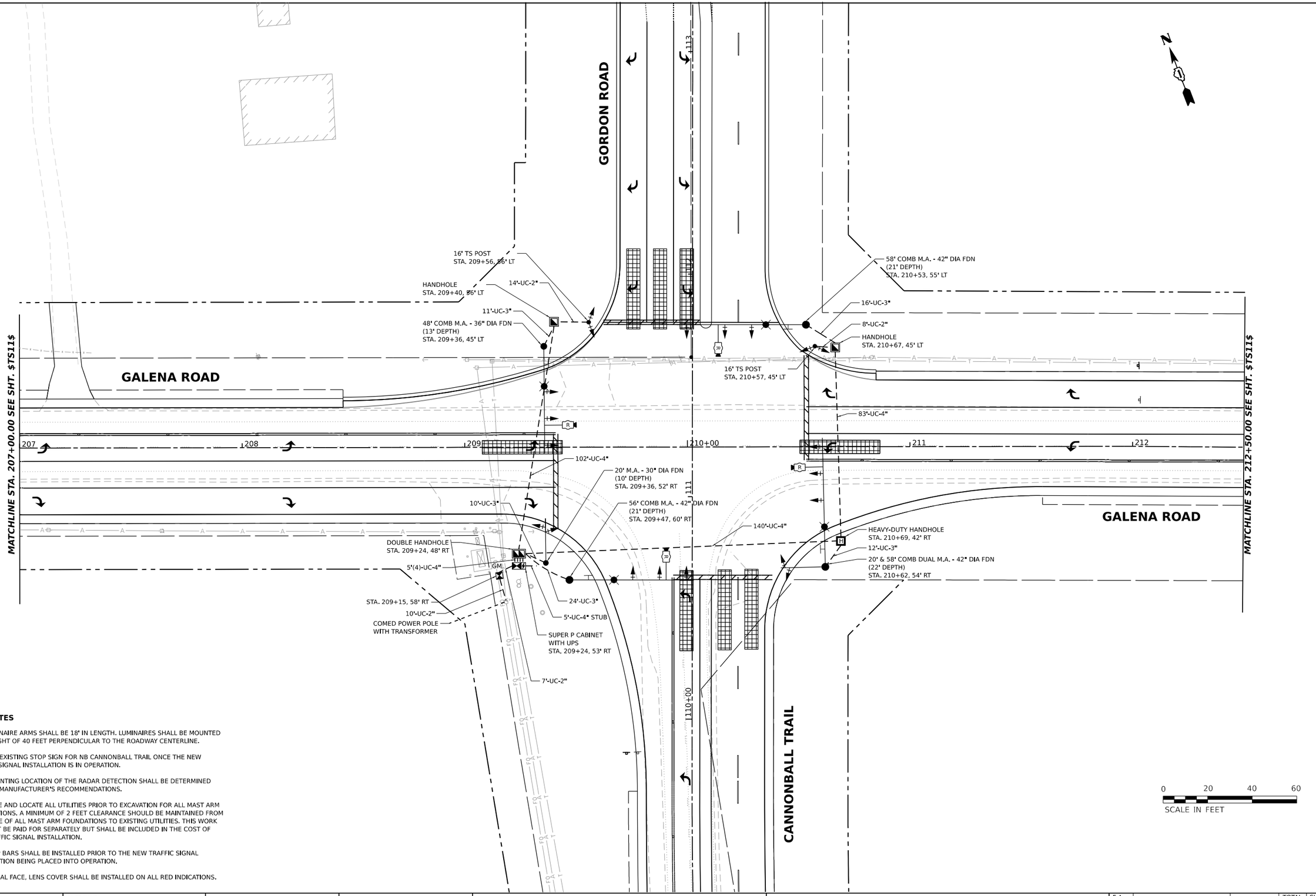
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GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
STANDARD TRAFFIC SIGNAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	74
		CONTRACT NO.		
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SIGNAL NOTES

1) ALL LUMINAIRE ARMS SHALL BE 18' IN LENGTH. LUMINAIRES SHALL BE MOUNTED AT A HEIGHT OF 40 FEET PERPENDICULAR TO THE ROADWAY CENTERLINE.

2) REMOVE EXISTING STOP SIGN FOR NB CANNONBALL TRAIL ONCE THE NEW TRAFFIC SIGNAL INSTALLATION IS IN OPERATION.

3) THE MOUNTING LOCATION OF THE RADAR DETECTION SHALL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

4) POT HOLE AND LOCATE ALL UTILITIES PRIOR TO EXCAVATION FOR ALL MAST ARM FOUNDATIONS. A MINIMUM OF 2 FEET CLEARANCE SHOULD BE MAINTAINED FROM THE EDGE OF ALL MAST ARM FOUNDATIONS TO EXISTING UTILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TRAFFIC SIGNAL INSTALLATION.

5) ALL STOP BARS SHALL BE INSTALLED PRIOR TO THE NEW TRAFFIC SIGNAL INSTALLATION BEING PLACED INTO OPERATION.

6) LED SIGNAL FACE, LENS COVER SHALL BE INSTALLED ON ALL RED INDICATIONS.

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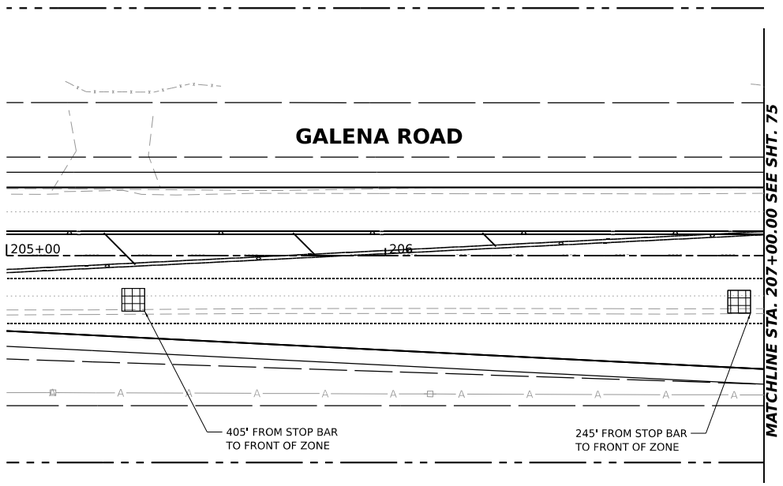
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6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

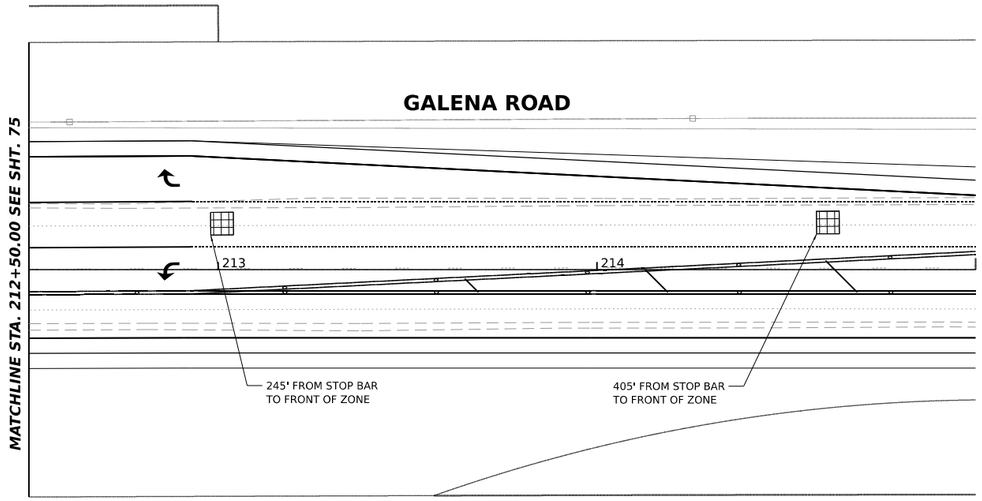
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
TRAFFIC SIGNAL PLAN

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0 20 40 60
SCALE IN FEET

0 20 40 60
SCALE IN FEET

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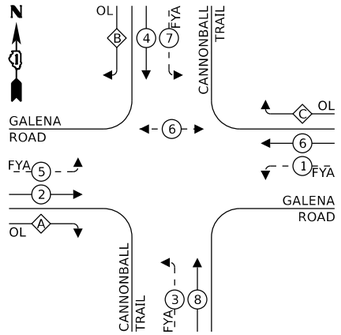
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YORKVILLE, IL 60560

GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
TRAFFIC SIGNAL PLAN

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

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	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE

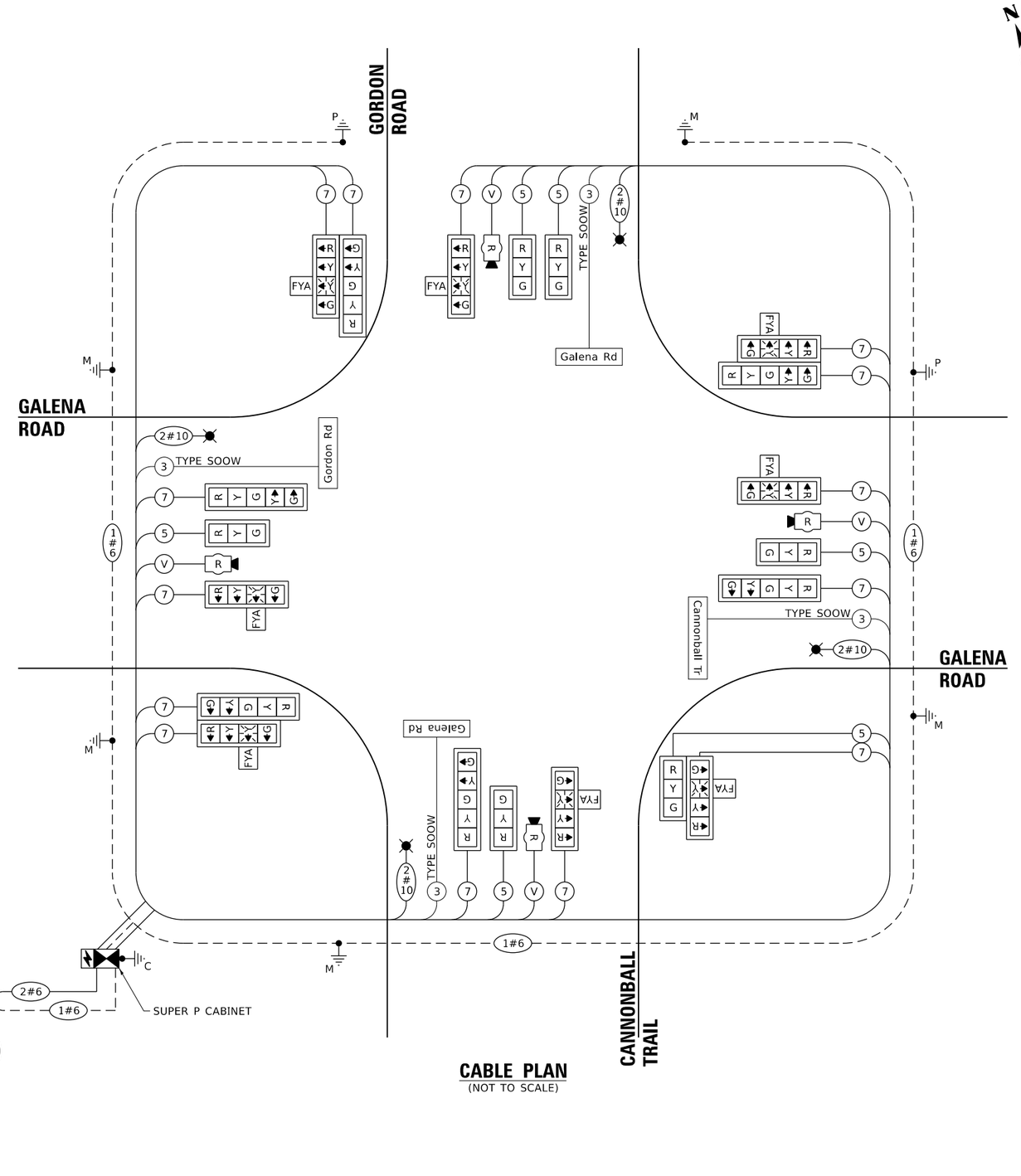


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP
- FLASHING YELLOW ARROW

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	8	14	112
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			511
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	4	191	764
TOTAL SERVICE WIRE SIZING			2360

ENERGY COSTS TO:
KENDALL COUNTY HIGHWAY DEPARTMENT
6780 IL ROUTE 47
YORKVILLE, IL 60560

ENERGY SUPPLY:
CONTACT: AARON BABU
PHONE: (708) 683-9348
COMPANY: COMED
ACCOUNT NUMBER: ---
METER NUMBER: ---

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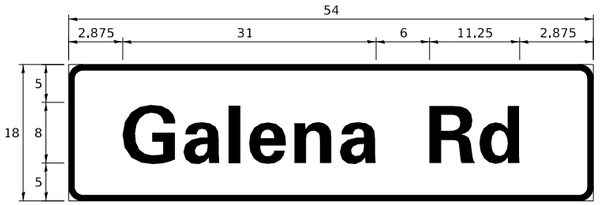
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
CABLE PLAN

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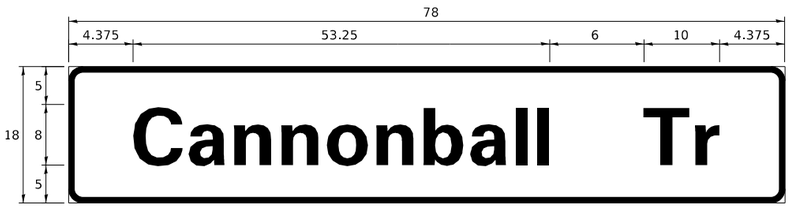
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LED INTERNALLY ILLUMINATED STREET NAME SIGN

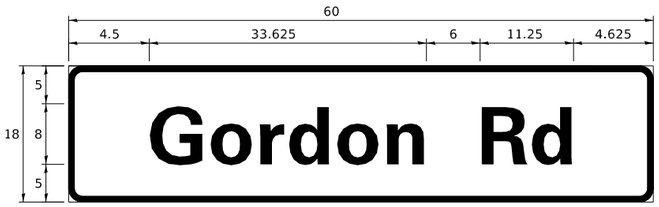
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6.75	LED	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9.75	LED	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	LED	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE MAST ARM MOUNTED STREET NAME SIGNS DETAIL. SIGNS ARE DOUBLE SIDED.

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
SEE NOTES	7.5	1	ZZ	4

NOTES: 1) COLOR:
BACKGROUND: WHITE
MESSAGE: BLACK

2) LINE 1 IS SERIES C
LINE 2, 4 AND 5 ARE SERIES D
LINE 3 IS SERIES B

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	39
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	73
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	350
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1792
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1444
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2739
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	44
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	620
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 58 FT. AND 20 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	64
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	20
CELLULAR MODEM	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR AND FAR BACK	EACH	2
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	784
COMBINATION LIGHTING CONTROLLER	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	20
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
PERMANENT TRAFFIC SIGNAL TIMING	EACH	1

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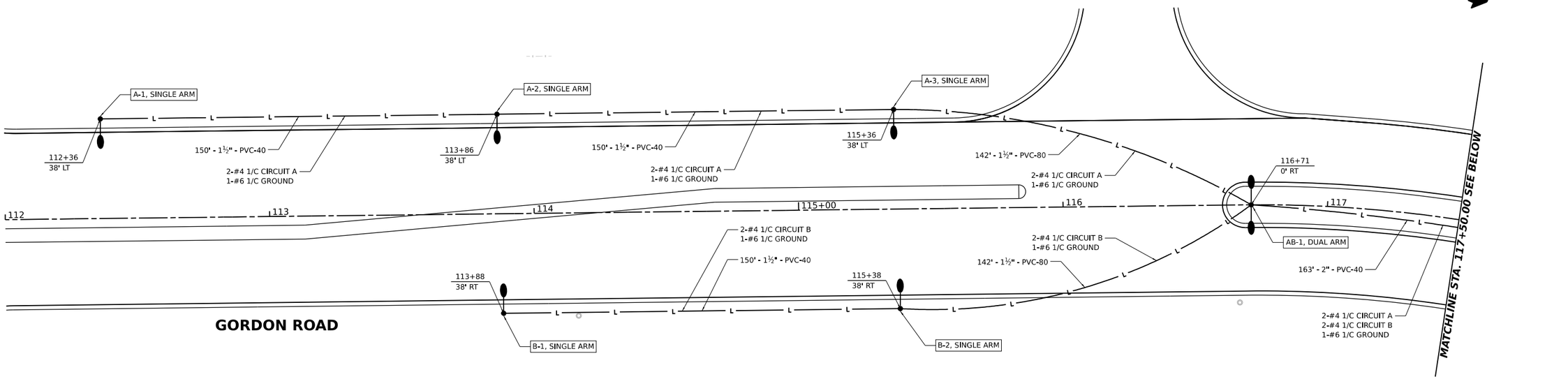
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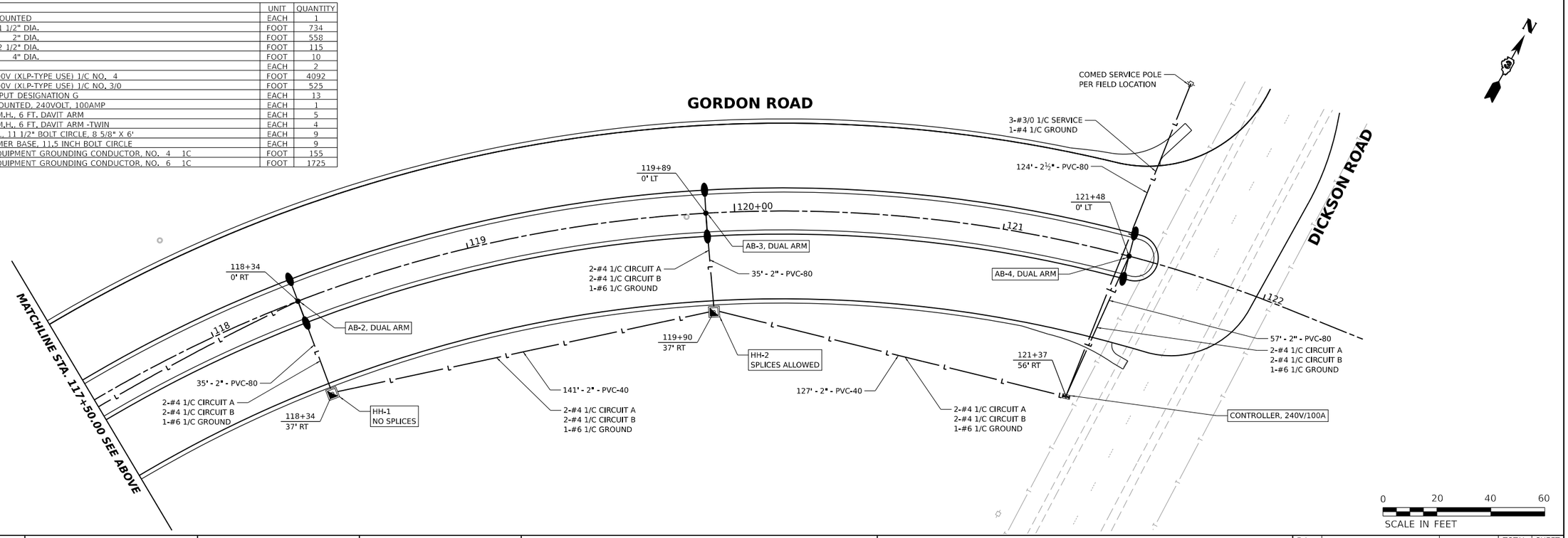
GALENA ROAD AT CANNONBALL TRAIL / GORDON ROAD
MAST ARM MOUNTED STREET NAME SIGNS
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

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	22-00169-00-TL	KENDALL	151	78
		CONTRACT NO.		
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ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	734
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	558
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	115
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	10
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	4092
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	525
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	13
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM	EACH	5
LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. DAVIT ARM -TWIN	EACH	4
LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	9
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	9
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 4 1C	FOOT	155
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1725



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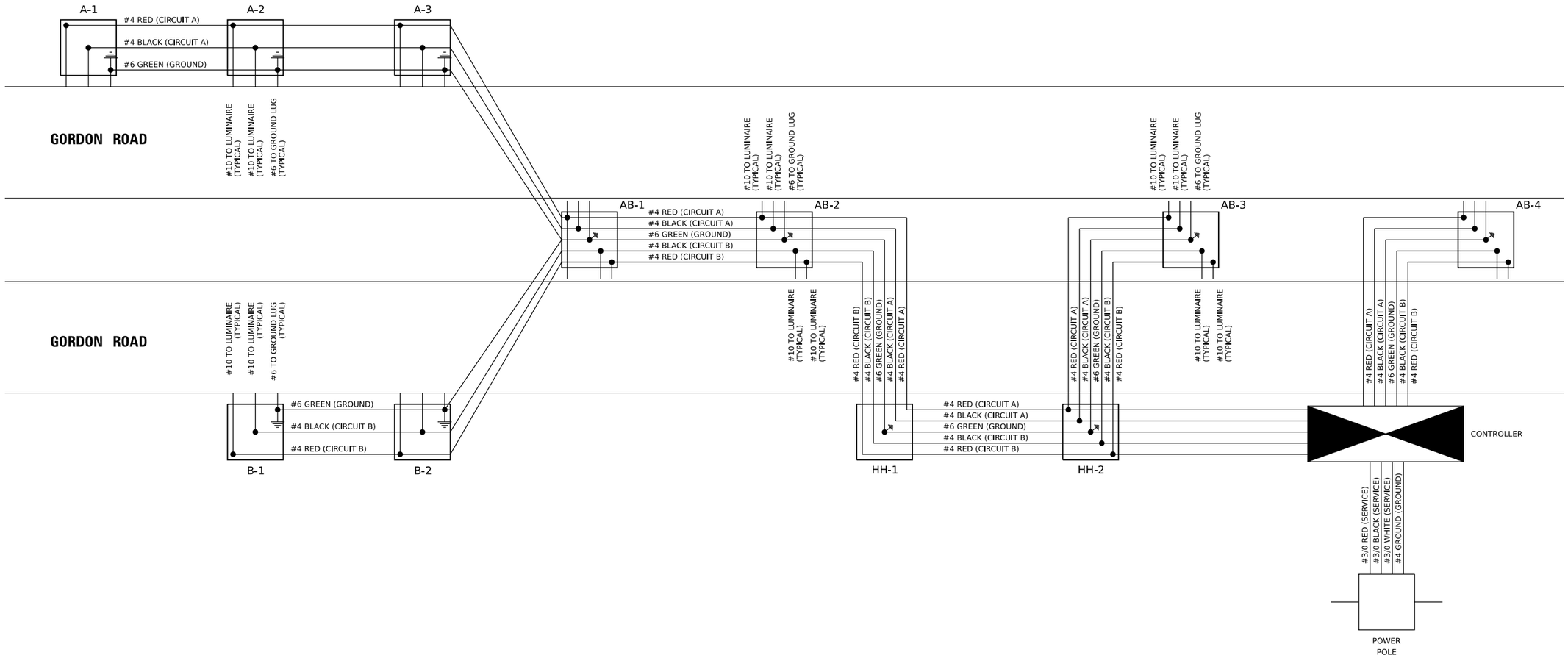
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

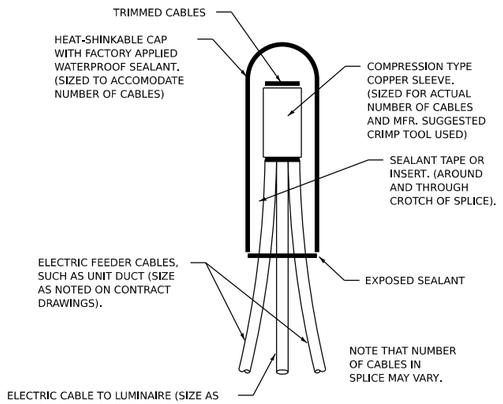
GORDON ROAD
STREET LIGHTING PLAN

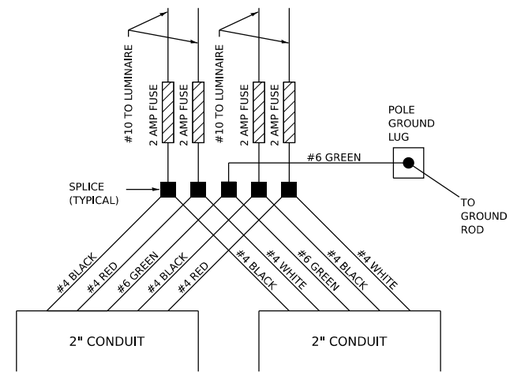
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	CONTRACT NO.			
	ILLINOIS FED. AID PROJECT			

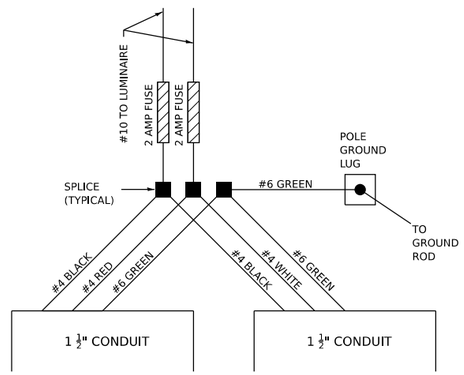


SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS

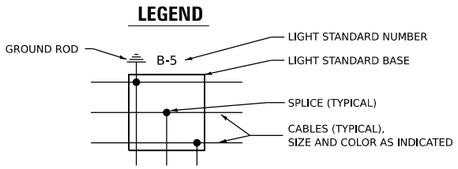




POLE WIRING DETAIL
DUAL ARM



POLE WIRING DETAIL
SINGLE ARM



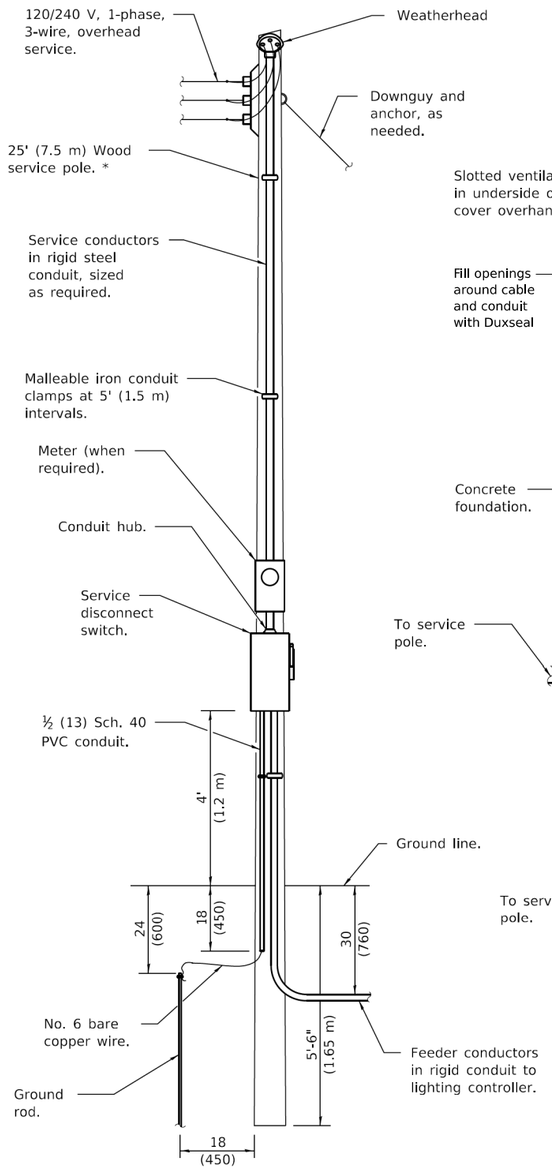
NOTES:

1. SPLICES SHALL BE MADE IN LIGHT STANDARD BASES AND AND IN HANDHOLES WHERE SHOWN. SPLICES ARE NOT ALLOWED AT OTHER LOCATIONS.
2. ALL CABLES IN POLES TO LUMINAIRES SHALL BE #10

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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GORDON ROAD STREET LIGHTING DETAILS
		DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED - N.T.S.		SCALE: SHEET OF SHEETS STA. TO STA.

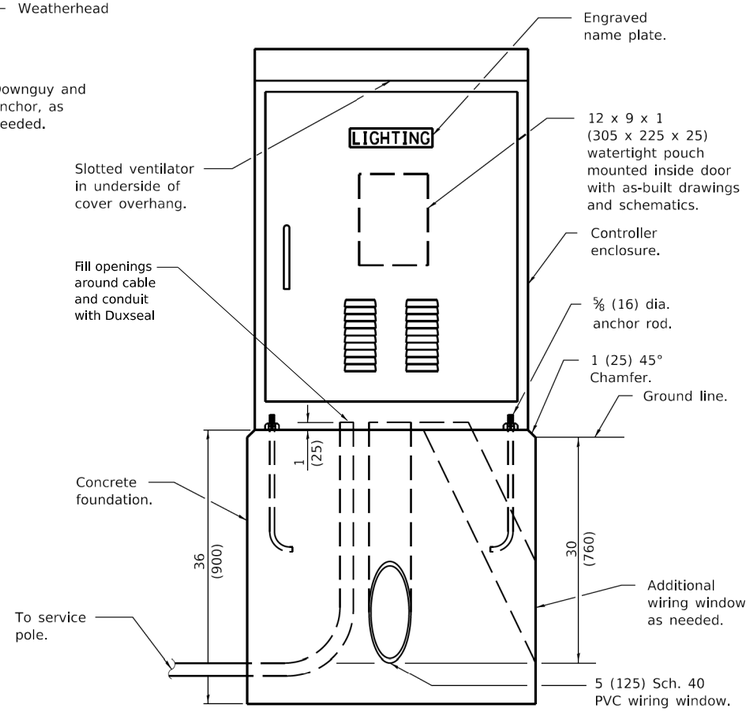
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		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



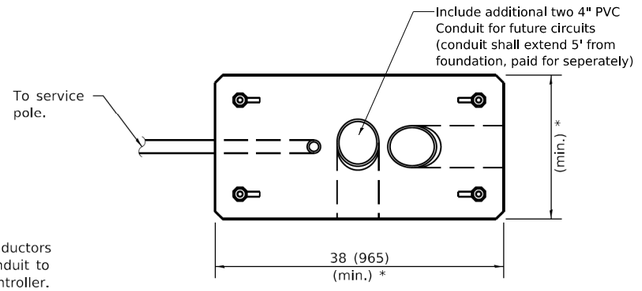
ELECTRIC SERVICE INSTALLATION

(Typical overhead service shown. Cut pole off for underground service and treat cut surface with preservative. Consult utility company standards for exact requirements.)

* Size larger as needed.



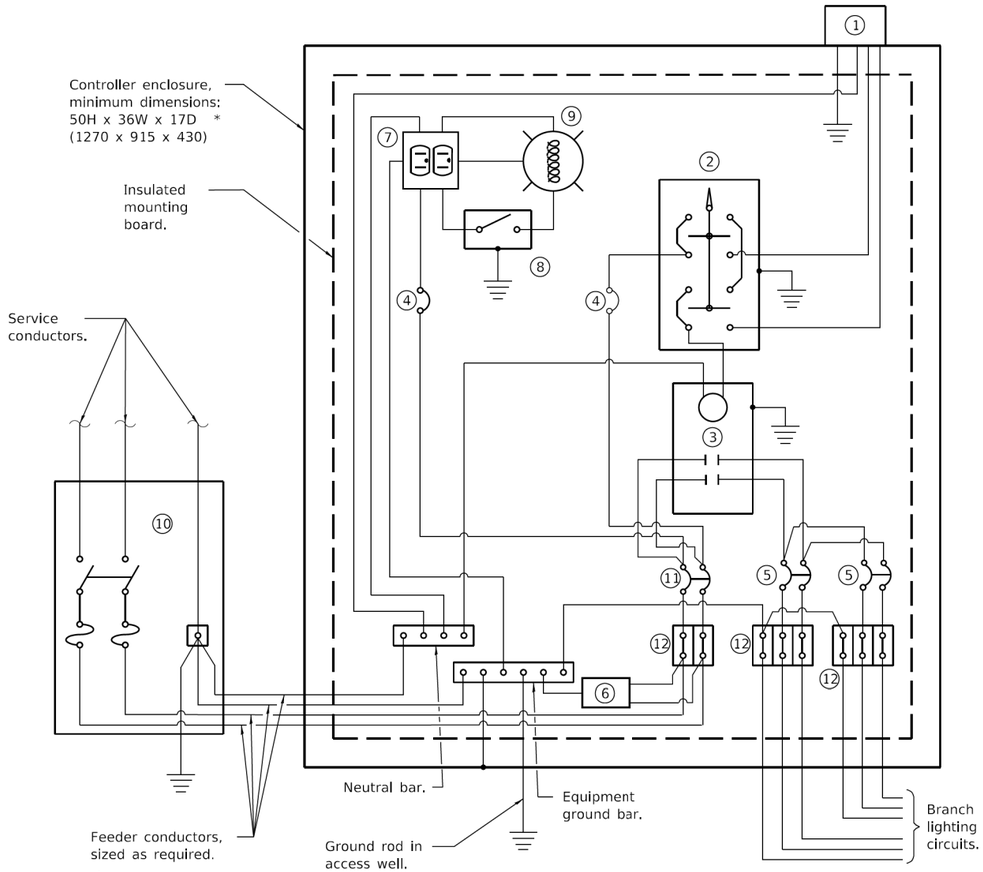
LIGHTING CONTROLLER



FOUNDATION (PLAN)

(Work pad not shown.)

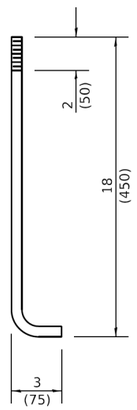
Note: Concrete Foundation shall conform to Standard 878001 for Type D Foundation.



CONTROL SCHEMATIC

1. Photocell with integral surge arrester.
2. HAND-OFF-AUTO selector switch.
3. 100 amp*, electrically held contactor.
4. 15 amp, 1-pole circuit breaker.
5. 20 amp*, 2-pole circuit breaker (four circuits required but not shown)
6. Surge arrester.
7. GFCI duplex receptacle.
8. Single-pole, single-throw switch.
9. LED Cabinet Light, enclosed and gasketted, 1600 Lumens
10. Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
11. 100 amp*, 2-pole circuit breaker.
12. Terminal block sized for conductors as shown on plans.

* Size larger as needed.



ANCHOR ROD DETAIL

All dimensions are in inches (millimeters) unless otherwise shown.

LIGHTING CONTROLLER BASE MOUNTED, 240V

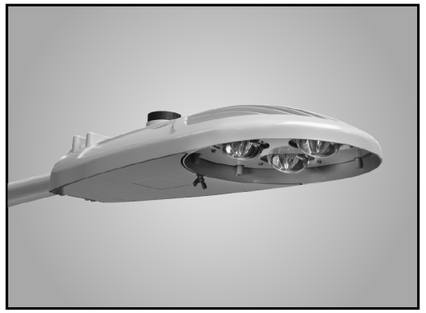
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GORDON ROAD STREET LIGHTING DETAILS
		DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	81
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

Autobahn Series ATBM
Roadway

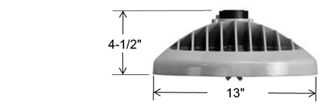
PRODUCT OVERVIEW

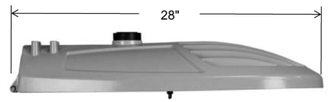


Applications:

Residential streets
Parking lots
High speed roadways

DIMENSIONS





Effective Projected Area (EPA)
The EPA for the ATBM is 0.3 sq. ft.,
Approx. Wt. = 21 lbs. (9.5 kg)

Features:

OPTICAL

Same Light: Performance is comparable to 150W – 250W HPS

White Light: Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.

IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation. Unique IP66 rated LED light engines provide 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available distributions are Type II, III, IV, & V roadway distributions.

DualOptix™ visual comfort option is also available for all distributions.

ELECTRICAL

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70.
Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

Lower Energy: Saves an expected 40-60% over comparable HID luminaires.

Robust Surge Protection: Standard surge protection is 20kV/10kA "Extreme Level" per ANSI C136.2. An optional MOV pack provides 10kV/5kA "Enhanced Level.

Luminaire ships with a 0-10v dimmable driver. Luminaire is continuous and step dimming capable via AO option or controls installed on P7 photocontrol receptacle option.

MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easy leveling at installation.

Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. The 2 – bolt and optional 4 bolt clamping mechanism provide 3G vibration rating per ANSI C136.31.

The Wildlife shield is cast into the housing (not a separate piece).

CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 7 pin receptacle optionally available.

Premium solid state locking-style photocontrol – PCSS (10 year rated life) Extreme long life solid state locking-style photocontrol – PCL1 (20 year rated life).

Extreme long life solid state locking-style photocontrol with on demand remote on/off control - PCCC (15 year rated life).

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

STANDARDS

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Color temperatures of ≤ 3000K must be specified for International Dark-Sky Association certification.

Rated for -40°C to 40°C ambient
CSA Certified to U.S. and Canadian standards
Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Autobahn Series ATBM
Roadway

ORDERING INFORMATION

ATBM	P30	MVOLT	R2	Mounting
Series	Performance Packages	Voltage	Optics	
ATBM Autobahn LED Roadway	**P05** 9,700 lumens **P10** 11,000 lumens **P20** 12,800 lumens **P30** 15,500 lumens **P40** 17,400 lumens **P50** 18,700 lumens **P60** 20,000 lumens **P70** 21,500 lumens	**MVOLT** Multi-volt, 120-277V **347** 347V **480** 480V	**R2** Roadway Type II **R3** Roadway Type III **R4** Roadway Type IV **R5** Roadway Type V	**(Blank)** 2 Bolt Mounting **4B** 4 Bolt Mounting

P7 PCLL

Options

Color Temperature (CCT)
(Blank) 4000K CCT, 70 CRI Min.
27K[2] 2700K CCT, 70 CRI Min.
3K 3000K CCT, 70 CRI Min.
5K 5000K CCT, 70 CRI Min.

Paint
(Blank) Gray
BK Black
BZ Bronze
DDB Dark Bronze
GI Graphite
WH White

Surge Protection
(Blank) Standard 20kV/10kA SPD
MP MOV Pack

Miscellaneous Options
HSS House Side Shield
NL NEMA Label Indicating Wattage
XL Not CSA Certified – No Terminal Block Cover
VR[2] Dual Optix visual comfort
UMR-XX 8" Horizontal Arm for Round Pole, Painted to match Fixture
UMS-XX 8" Horizontal Arm for Square Pole, Painted to match Fixture
UMR-GALV 8" Horizontal Arm for Round Pole, Galvanized
UMS-GALV 8" Horizontal Arm for Square Pole, Galvanized
BAA Buy America(n) Act Compliant

Control Options
(Blank) 3 Pin NEMA Photocontrol Receptacle
P7 7 Pin Photocontrol Receptacle (dimmable driver included) [1]
NR No Photocontrol Receptacle
AO Field Adjustable Output
PCSS Solid-State Lighting Photocontrol [3]
PCLL Solid-State Long Life Photocontrol
PCCC Solid-State Long Life Photocontrol with remote control on/off [3]
SH Shorting Cap

Packages
(Blank) Standard Pack
JP Job Pack (36/pallet)

Accessories
ATBMHSS House Side Shield
ATBMLTS Light Trespass Shield
RKATBMMVOLTSPD ATBM Acuity SPD, MVOLT
RKATBMHVSPD ATBM Acuity SPD, 347/480V
RKATBMMVOLTMP ATBM MOV Pack, MVOLT
RKATBMHVMP ATBM MOV Pack, 347/480V

Notes:
1 Dimmable drive included.
2 This option requires RFD
3 MVOLT only

American Electric Lighting®
AEL Headquarters, One Lithonia Way, Conyers Georgia 30012
www.americanelectriclighting.com Phone: 1-866-HOLOPHANE
Email: TechSupportINF@AcuityBrands.com
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Warranty Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

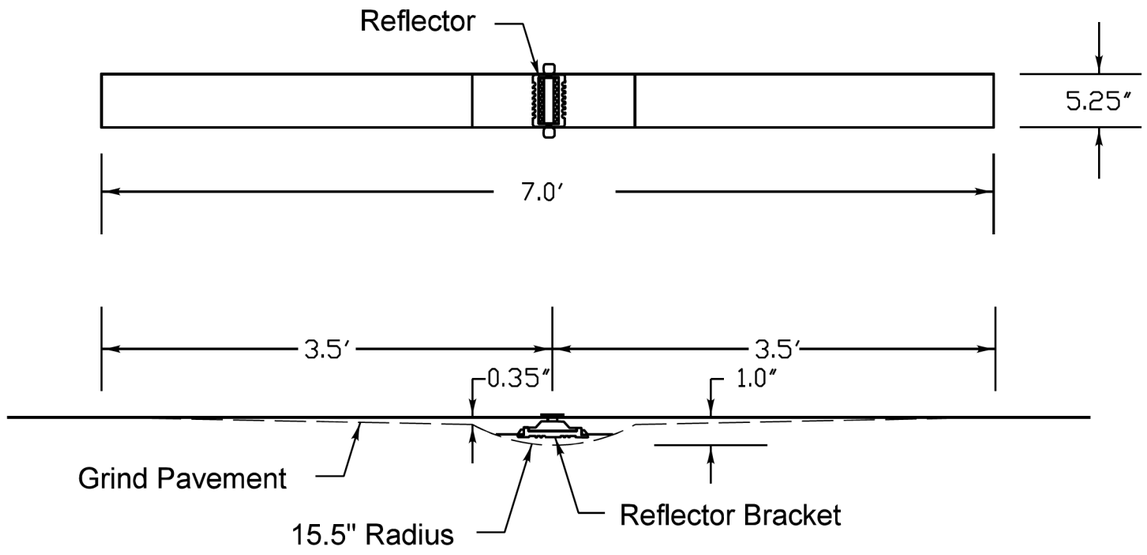
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GORDON ROAD STREET LIGHTING DETAILS
		DRAWN -	REVISED -		
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS	FED. AID PROJECT		



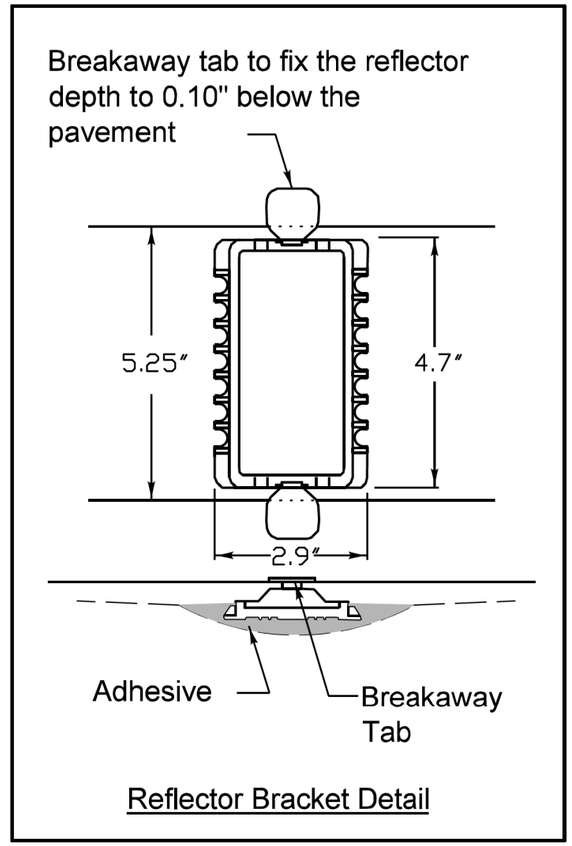
Notes

1. The reflective pavement marker lens shall be a 3M 190 series pavement marker or an approved equal.

2. The reflector bracket shall be made of a polycarbonate and shall be a MarkerOne Series R100 or an approved equal.

3. The adhesive used shall meet the requirements of AASHTO M237 specification for adhesives to be used in cementing asphalt surfaces.

4. Markers shall be placed according the IDOT Highway Standard 781001.



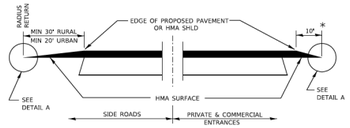
Reflector Bracket Detail

RECESSED REFLECTIVE PAVEMENT MARKER

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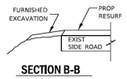
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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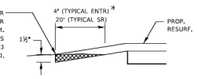
SECTION A-A

DETAILS AT ENTRANCES & SIDE ROADS

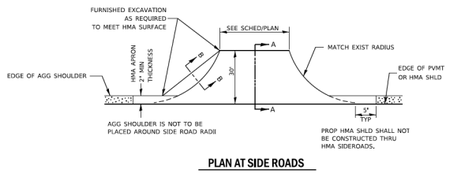


SECTION B-B

THE COST OF REMOVAL AT EXISTING HMA OR PCC LOCATIONS SHALL BE PAID FOR PER SQ YD BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



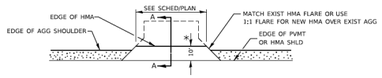
DETAIL A



PLAN AT SIDE ROADS

DESIGNER NOTES:

1. **THIS IS FOR USE ON BASIC RURAL RS AND W&RS PROJECTS.**
2. **FURNISHED EXCAVATION SHALL BE INCLUDED AS A PAY ITEM.**
3. **ALL ENTRANCE AND SIDEROAD WIDTHS, EXISTING MATERIAL TYPE, AND QUANTITIES MUST BE SHOWN IN THE SCHEDULE OR ON THE PLAN VIEW SHEETS.**

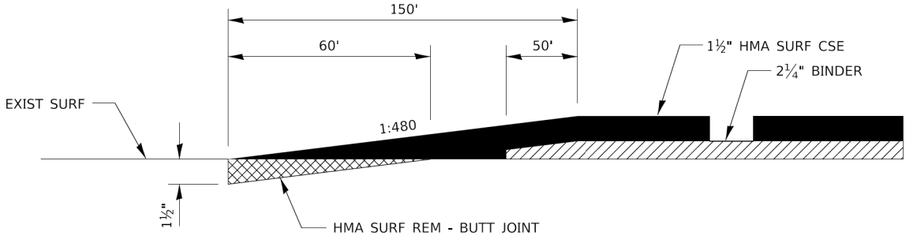


PLAN AT PRIVATE & COMMERCIAL ENTRANCES

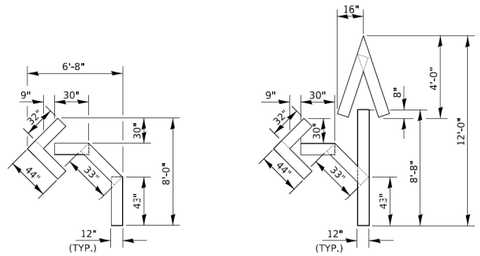
(DO NOT RESURFACE FIELD ENTRANCES)

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

406-2

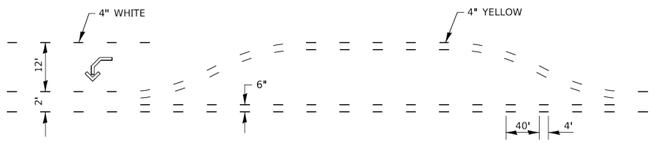


406-11



QUANTITY
12" LINE = 16 LIN FT
OR 4" LINE = 48 LIN FT

QUANTITY
12" LINE = 29 LIN FT
OR 4" LINE = 87 LIN FT



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

703-1

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

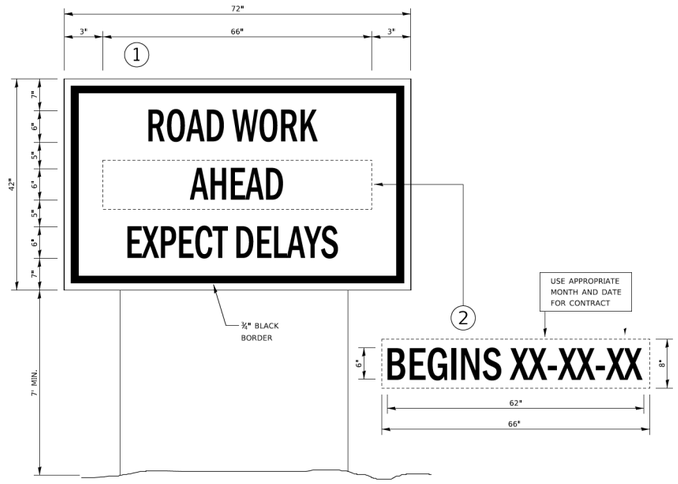
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT DISTRICT 3 STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	84
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

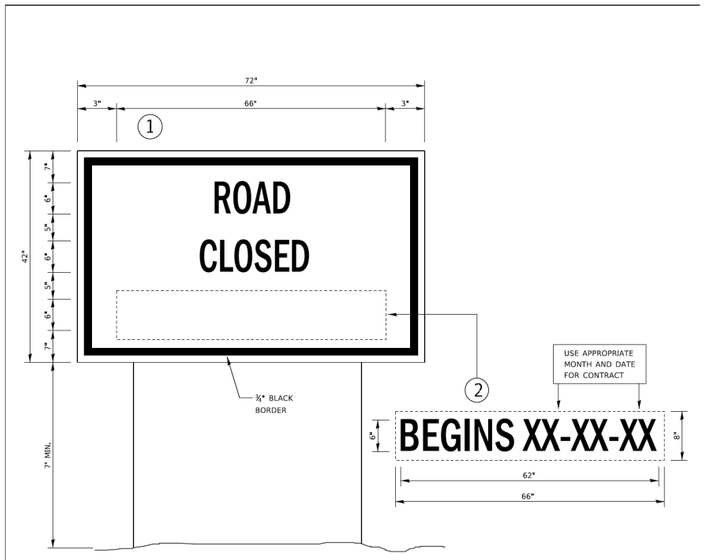


TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL (2) ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL (2) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
4. REMOVE PANEL (2) ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL (2) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-10

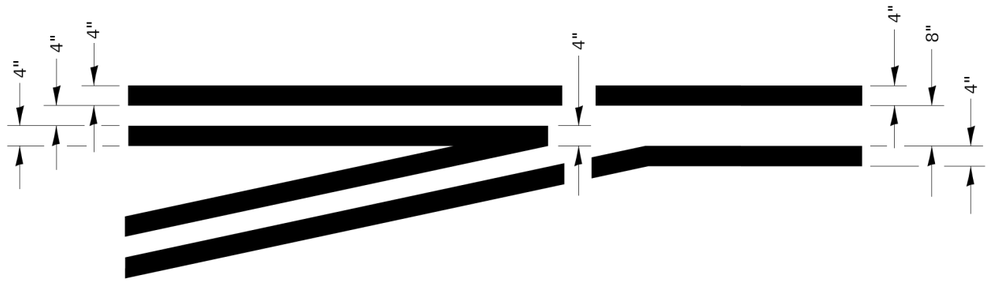
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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560
		DRAWN -	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 10/13/2023	DATE -	REVISED -	

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT DISTRICT 3 STANDARDS

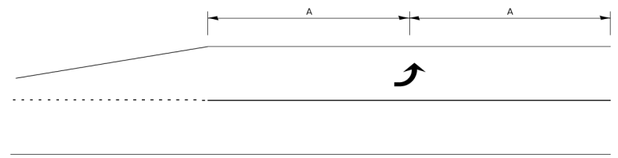
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	85
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

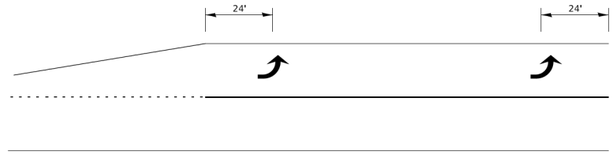


LEFT TURN LANE
TYPICAL APPLICATION

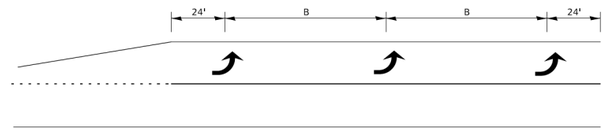
780-1



99' AND UNDER



100' TO 149'



150' AND LONGER

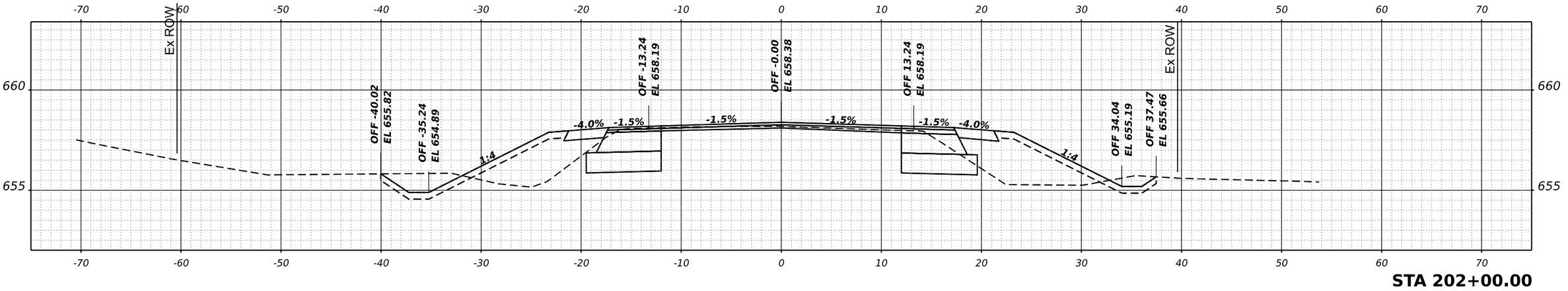
TYPICAL PLACEMENT OF ARROWS
IN TURN LANES

780-10

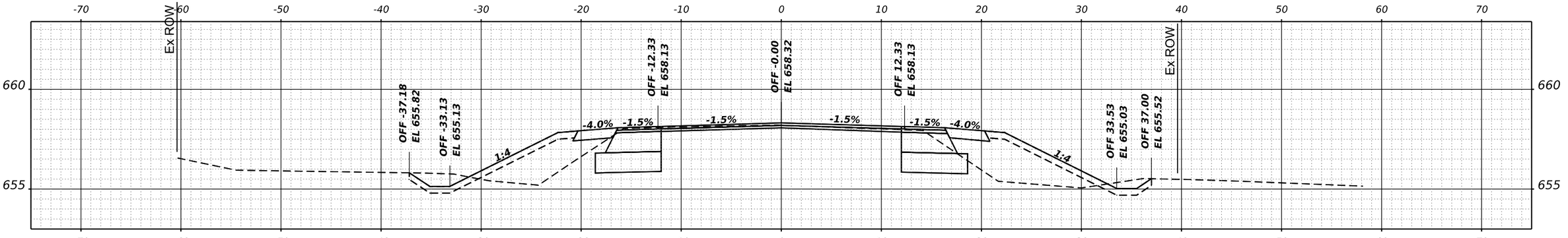
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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD IDOT DISTRICT 3 STANDARDS
		DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 10/13/2023	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

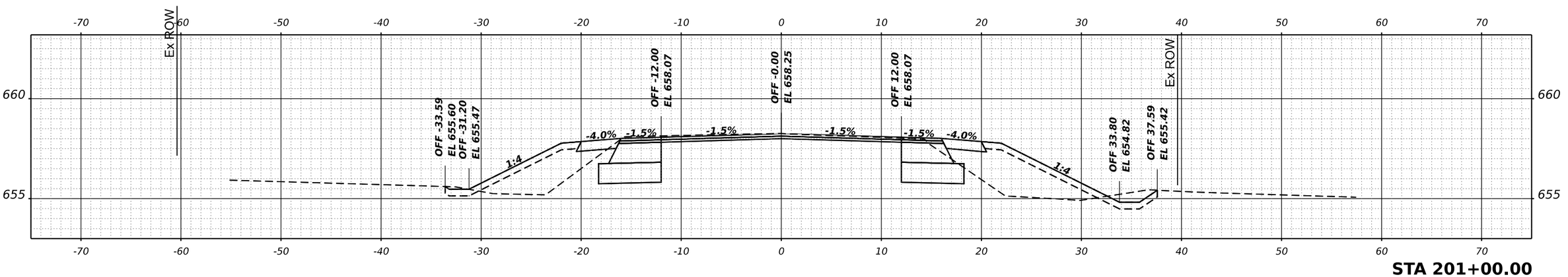
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	86
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



STA 202+00.00



STA 201+50.00



STA 201+00.00

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

MODEL: GALENA - 201+00.00-2 [Sheet]
FILE NAME: P:\2022\220131\Cadd02 Design\CADD_Sheets\220131-sht-XS galena.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

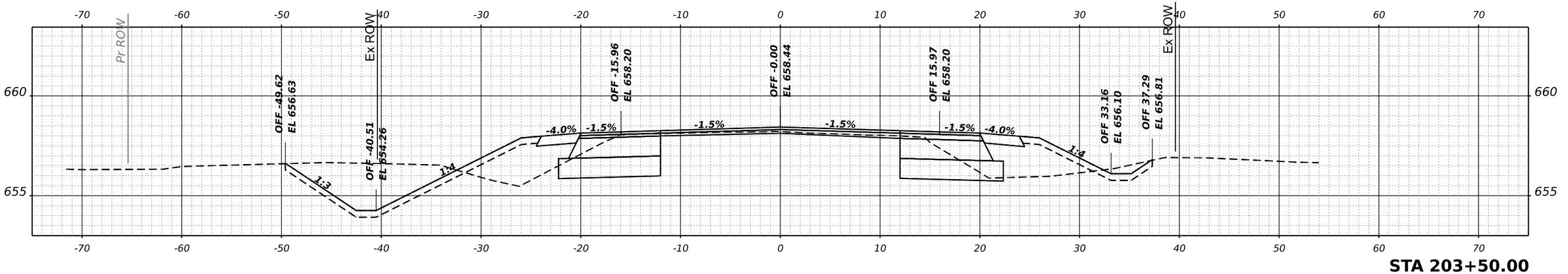
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

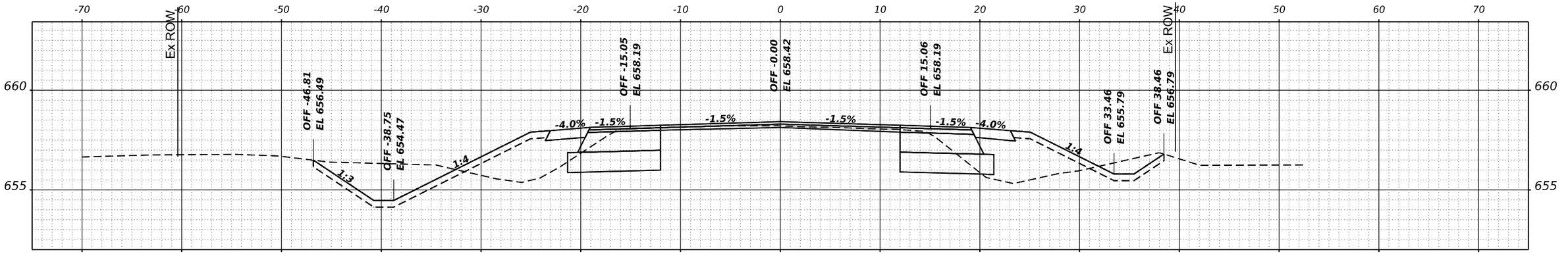
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 1 OF 15 SHEETS | STA. 201+00.00 TO STA. 202+00.00

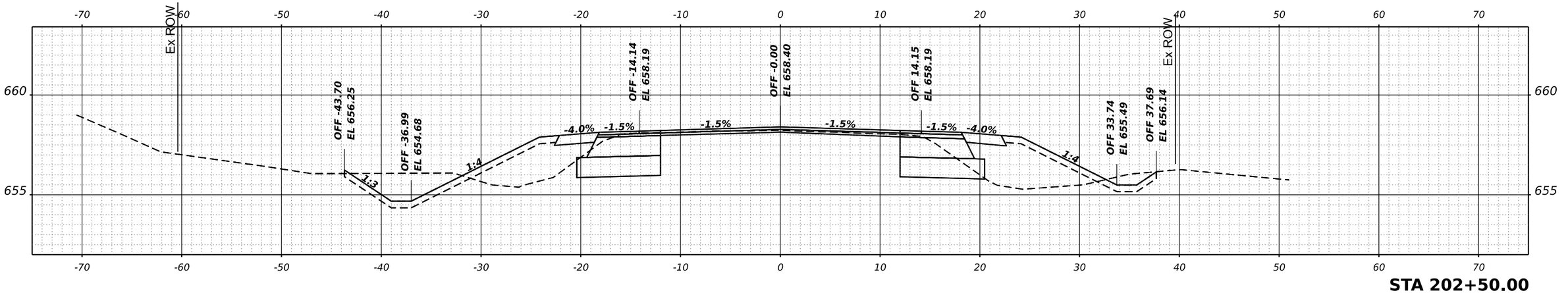
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	22-00169-00-TL	KENDALL	151	87
		CONTRACT NO.	N/A	
	ILLINOIS	FED. AID PROJECT		



STA 203+50.00



STA 203+00.00



STA 202+50.00

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: GALENA - 202+50.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

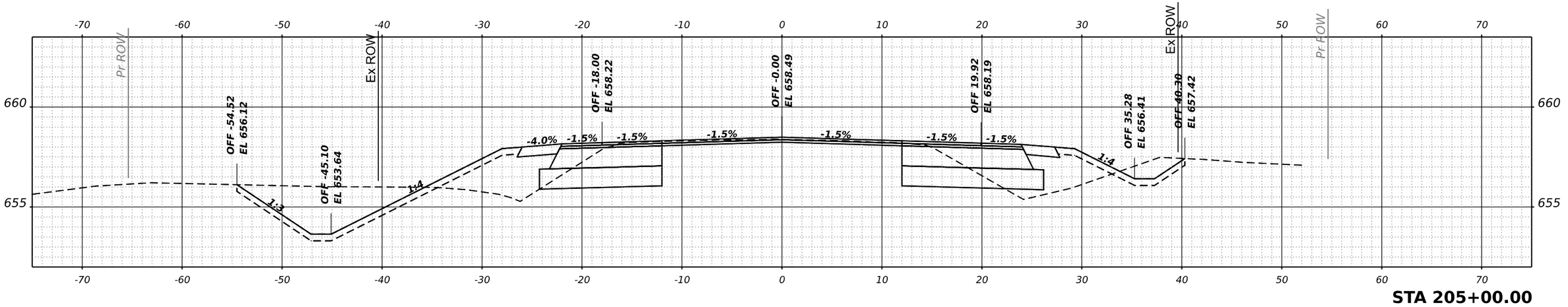
USER NAME = nickp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

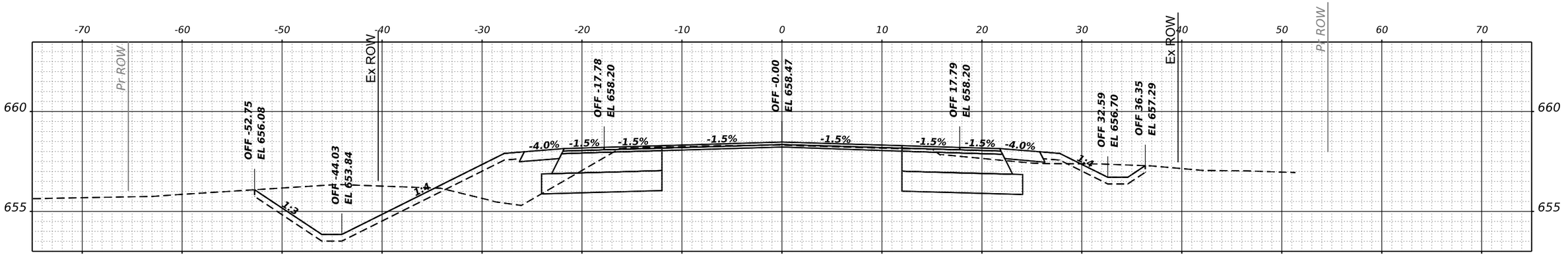
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 2 OF 15 SHEETS | STA. 201+00.00 | TO STA. 203+50.00

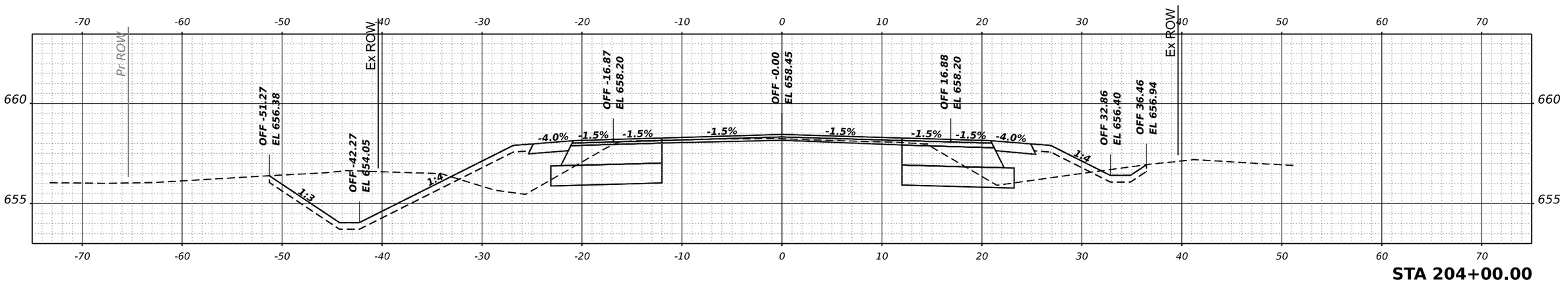
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	22-00169-00-TL	KENDALL	151	88
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 205+00.00



STA 204+50.00



STA 204+00.00

FINAL SURVEY | NOTE BOOK | NO. | BY | DATE
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

ORIGINAL SURVEY | NOTE BOOK | NO. | BY | DATE
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

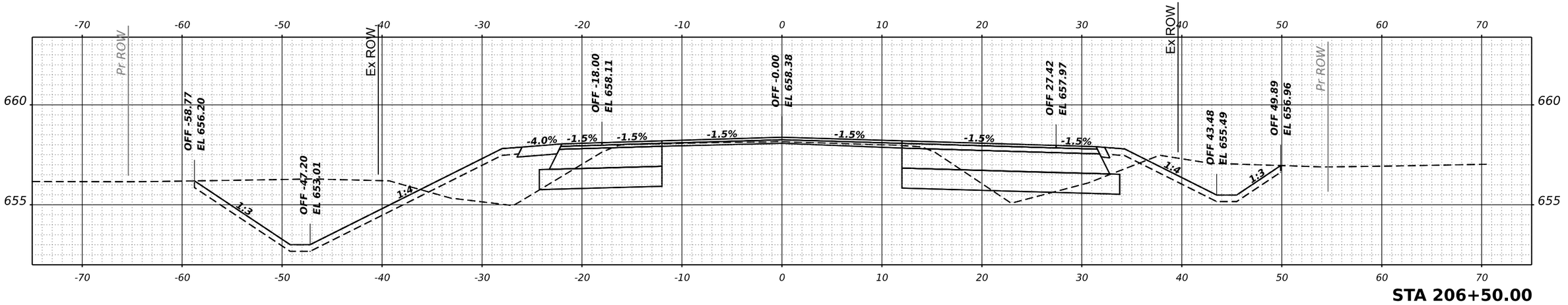
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

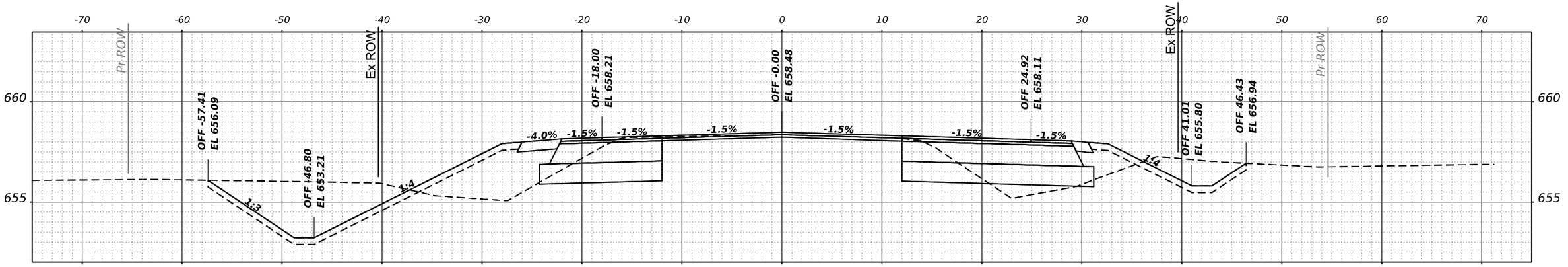
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 3 OF 15 SHEETS | STA. 204+00.00 | TO STA. 205+00.00

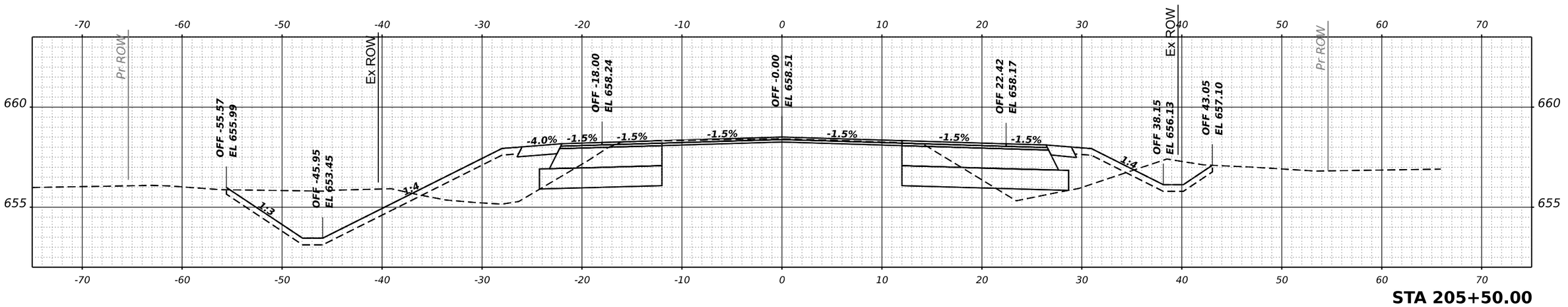
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		CONTRACT NO.	N/A	
	ILLINOIS	FED. AID PROJECT		



STA 206+50.00



STA 206+00.00



STA 205+50.00

FINAL SURVEY	ORIGINAL SURVEY	BY	DATE
NOTE BOOK	NOTE BOOK		
NO.	NO.		
SURVEYED	SURVEYED		
PLOTTED	PLOTTED		
TEMPLATE	TEMPLATE		
AREAS	AREAS		
AREAS CHECKED	AREAS CHECKED		

MODEL: GALENA - 205+50.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 4 OF 15 SHEETS | STA. 205+50.00 | TO STA. 206+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	90
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

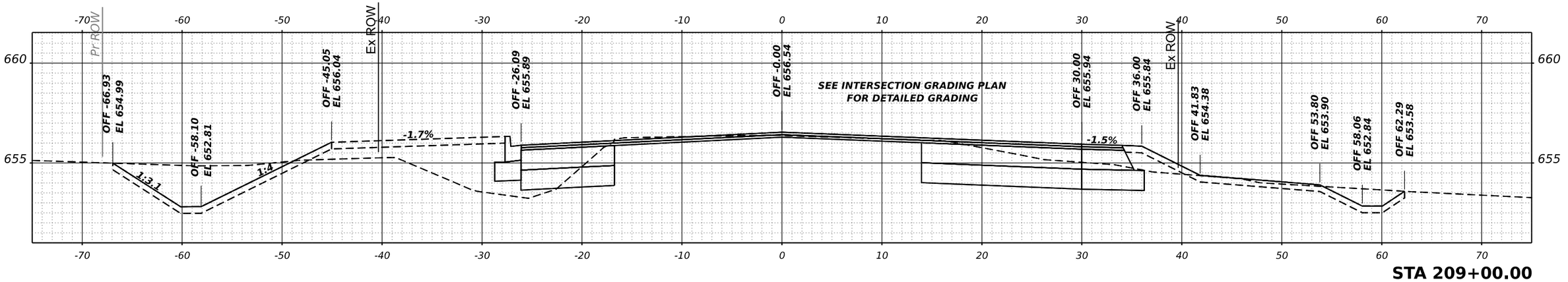
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	91
		CONTRACT NO. N/A		
	ILLINOIS FED. AID PROJECT			

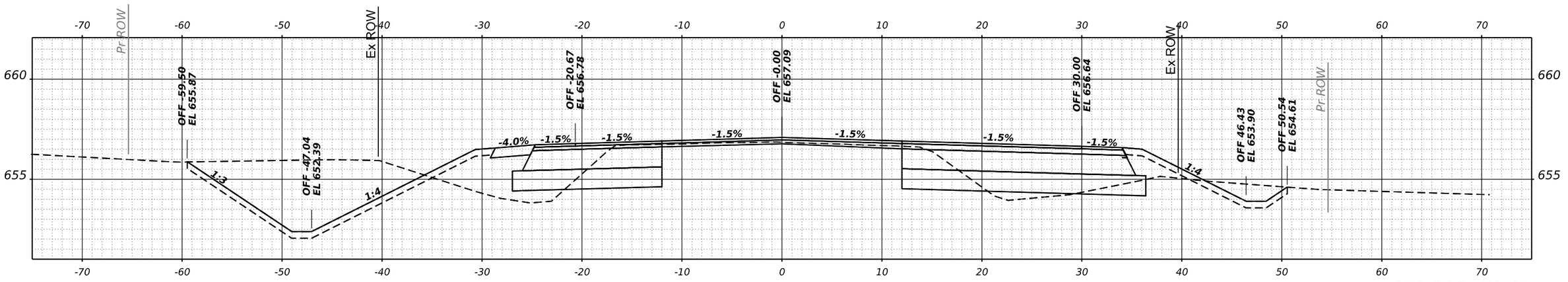
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SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

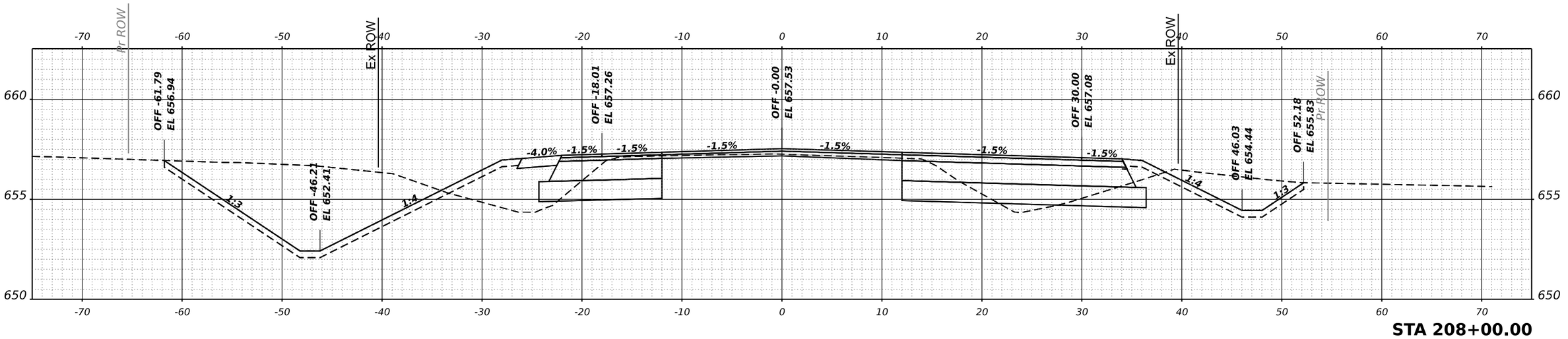
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STA 209+00.00



STA 208+50.00



STA 208+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

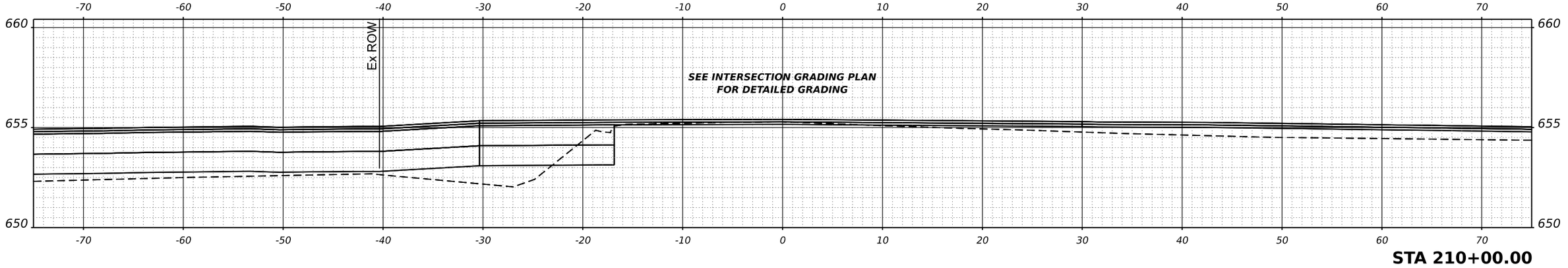
SCALE: | SHEET 6 OF 15 SHEETS | STA. 208+00.00 | TO STA. 209+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	92
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

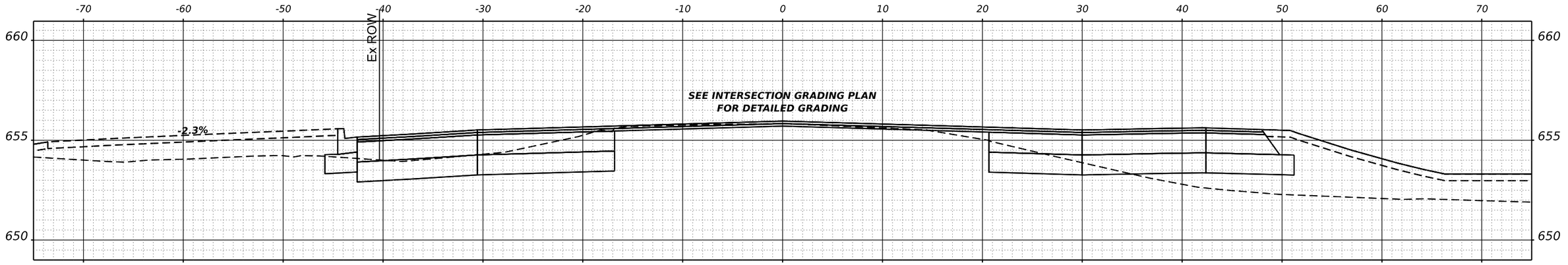
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

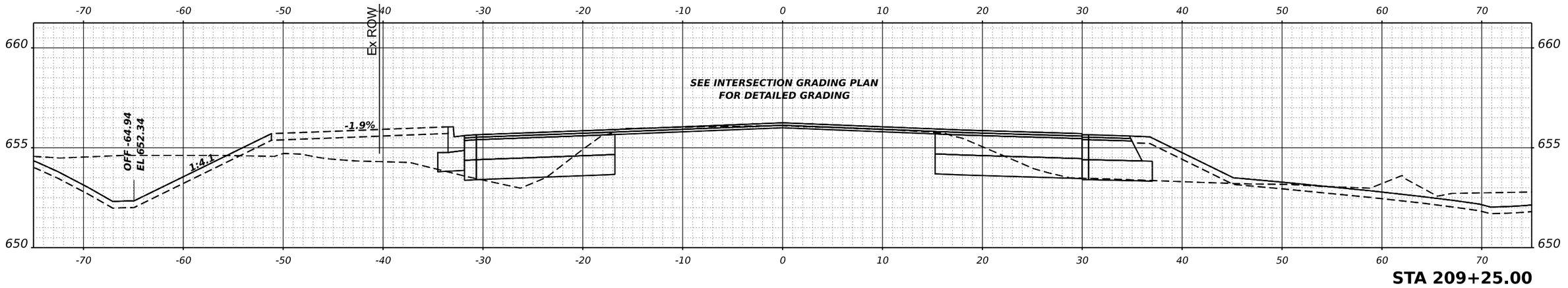
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STA 210+00.00



STA 209+50.00



STA 209+25.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

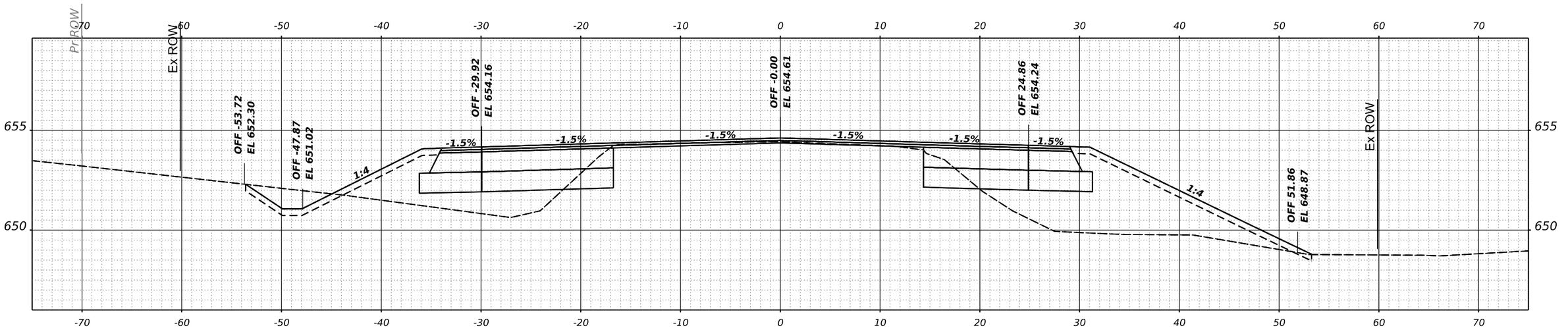
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 7 OF 15 SHEETS | STA. 209+25.00 | TO STA. 210+00.00

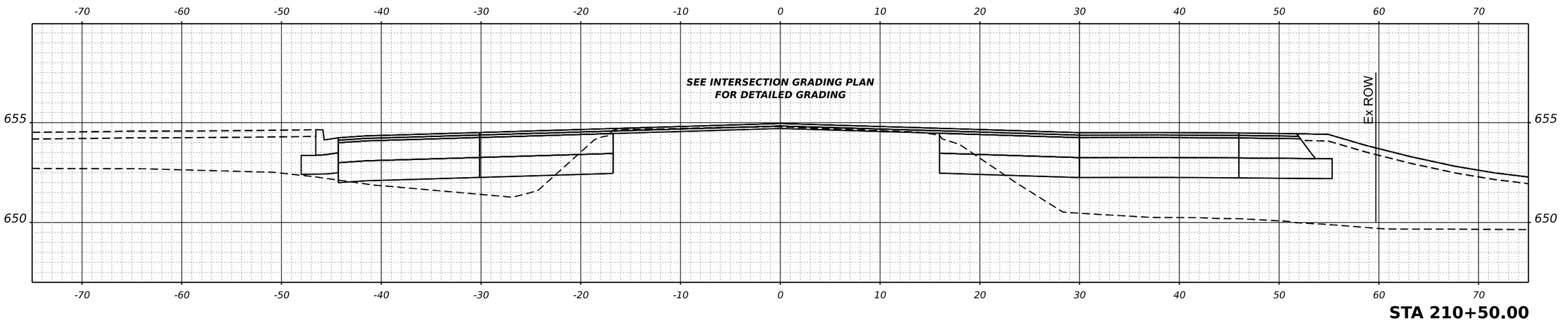
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	93
		CONTRACT NO. N/A		
		ILLINOIS	FED. AID PROJECT	

ORIGINAL SURVEY | FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

MODEL: GALENA - 209+25.00 [Sheet]
FILE NAME: P:\2022\220131\Cadd\02 Design\CADD Sheets\220131-sht-XS galena.dgn



STA 211+00.00



STA 210+50.00

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

MODEL: GALENA - 210+50.00-2 [Sheet]
FILE NAME: P:\2022\220131\Cadd\02 Design\CADD Sheets\220131-sht-XS galena.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

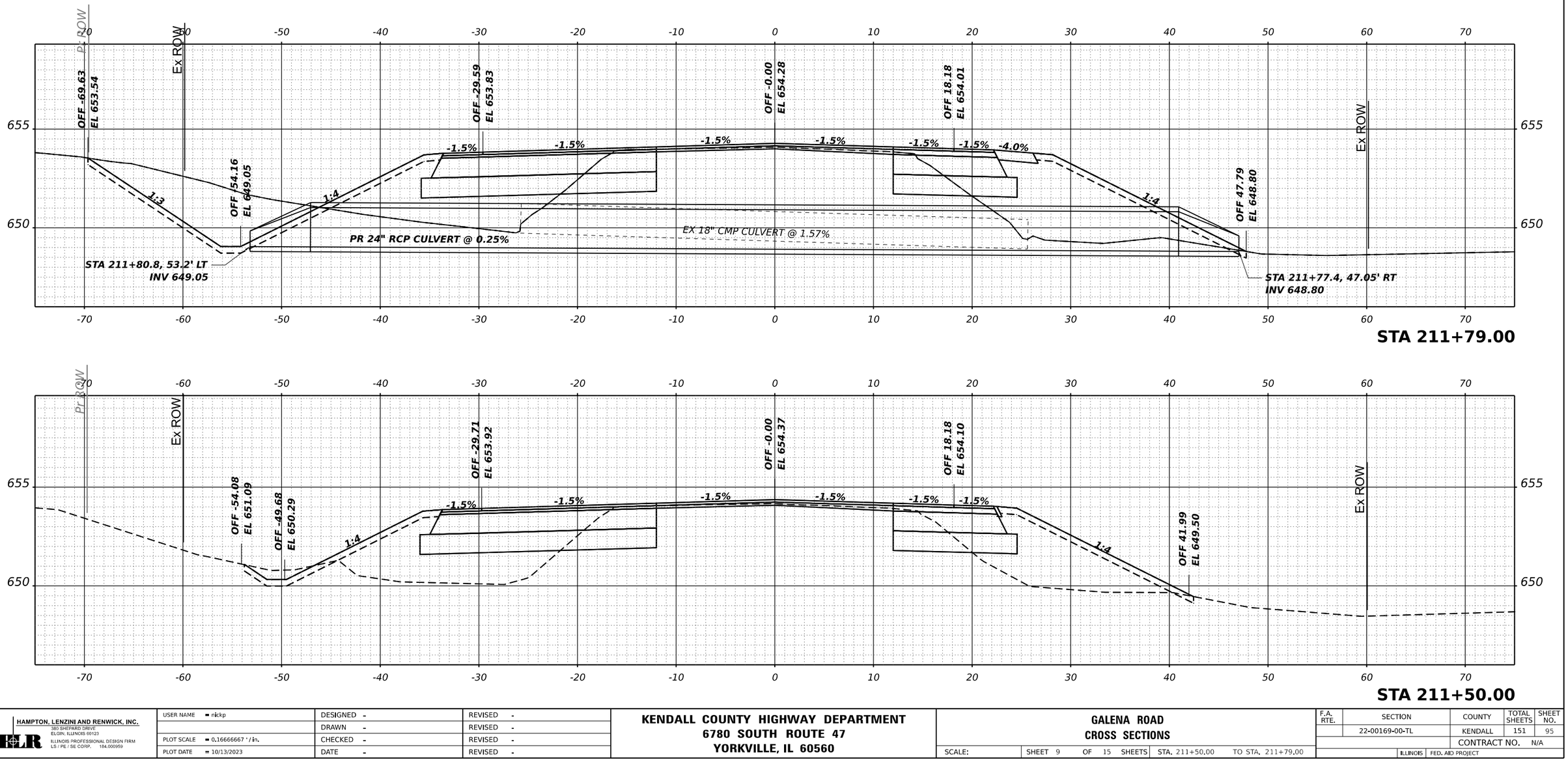
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	DRAWN -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 8 OF 15 SHEETS | STA. 210+50.00 | TO STA. 211+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	94
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

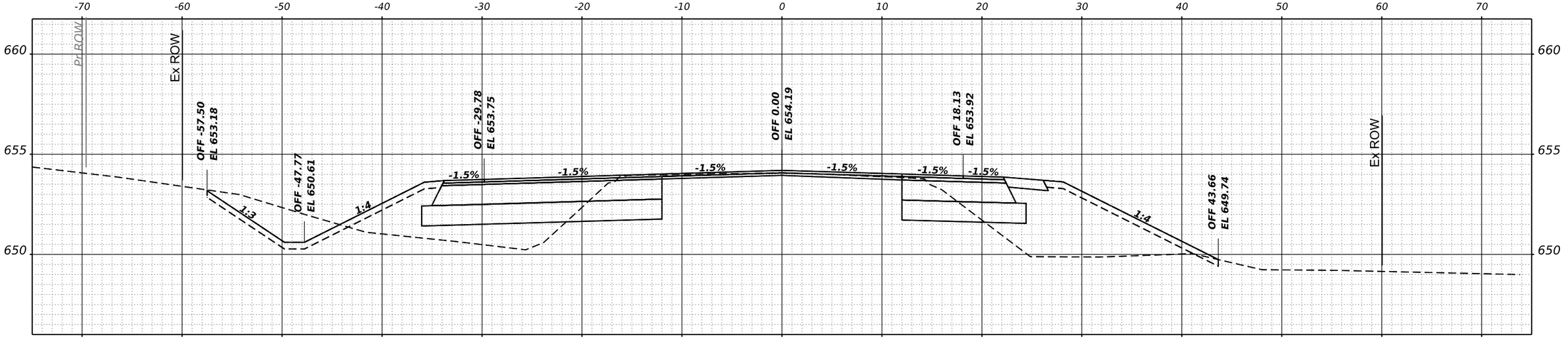
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

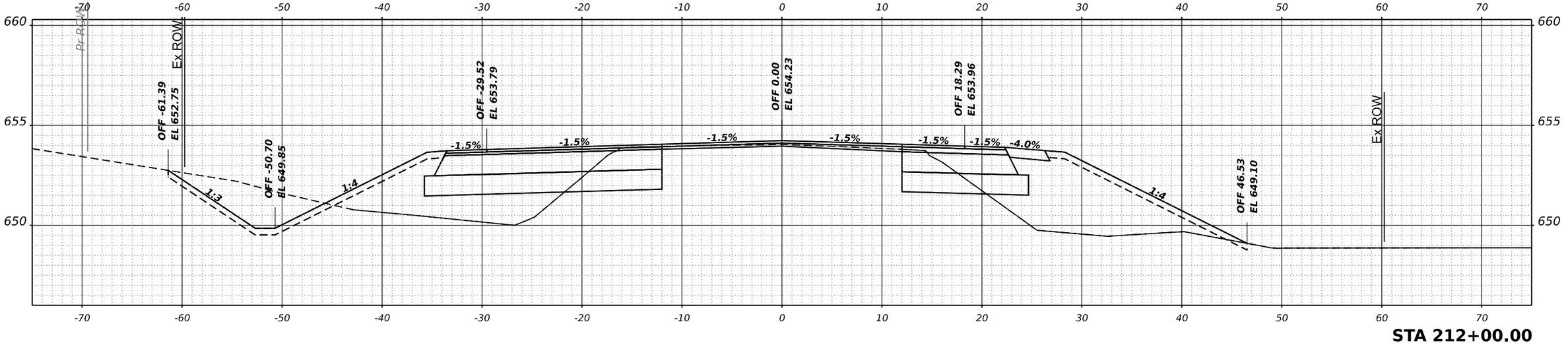
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 9 OF 15 SHEETS | STA. 211+50.00 | TO STA. 211+79.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	95
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 212+50.00



STA 212+00.00

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

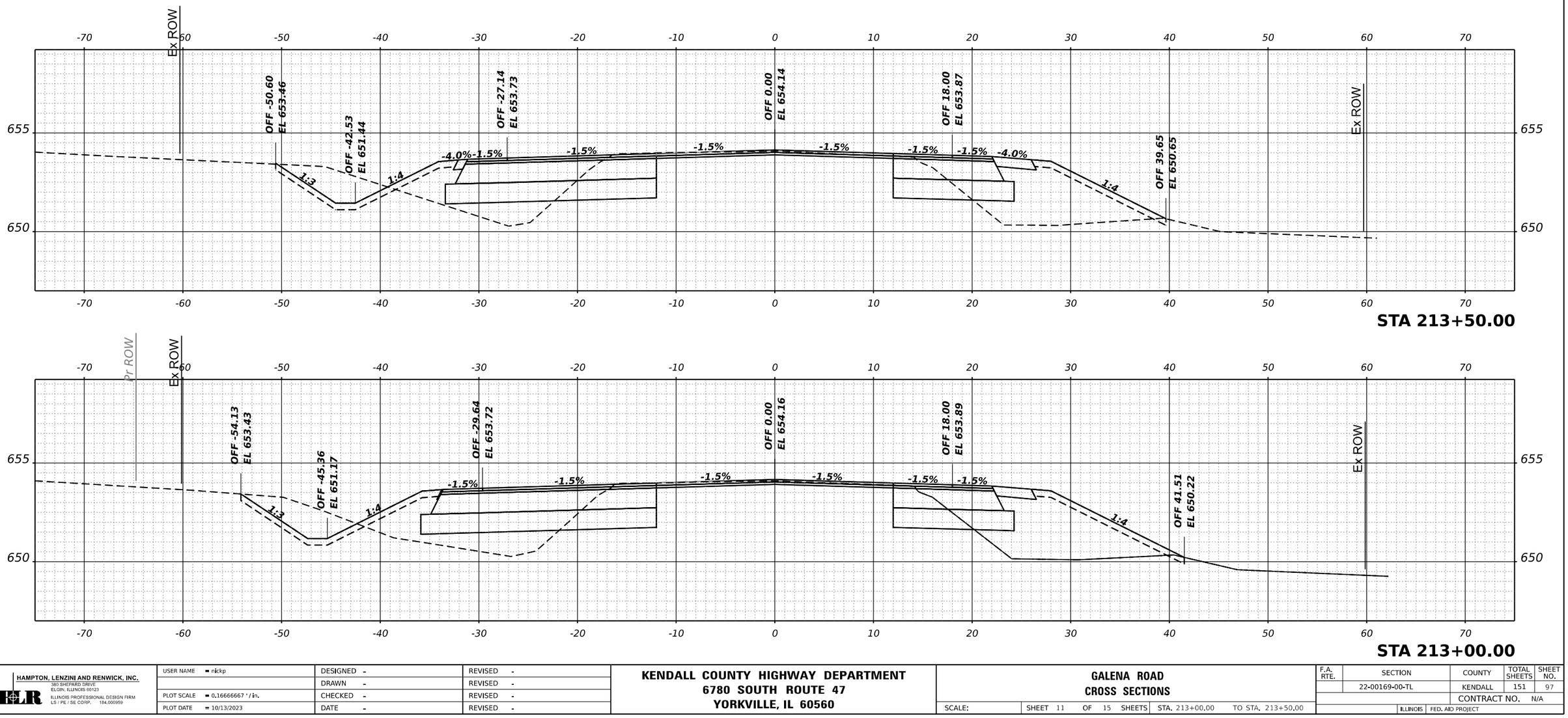
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 10 OF 15 SHEETS | STA. 212+00.00 | TO STA. 212+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	96
		CONTRACT NO.	N/A	
	ILLINOIS	FED. AID PROJECT		



STA 213+50.00

STA 213+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

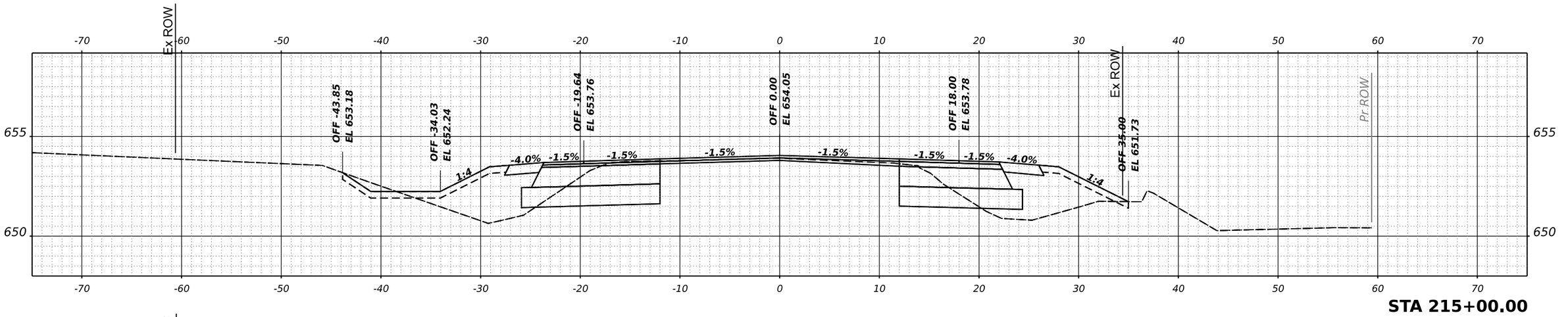
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	97
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

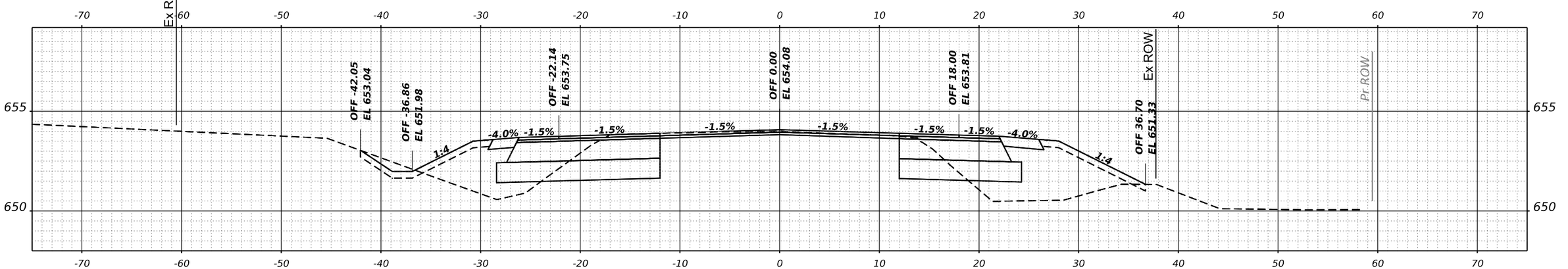
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ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

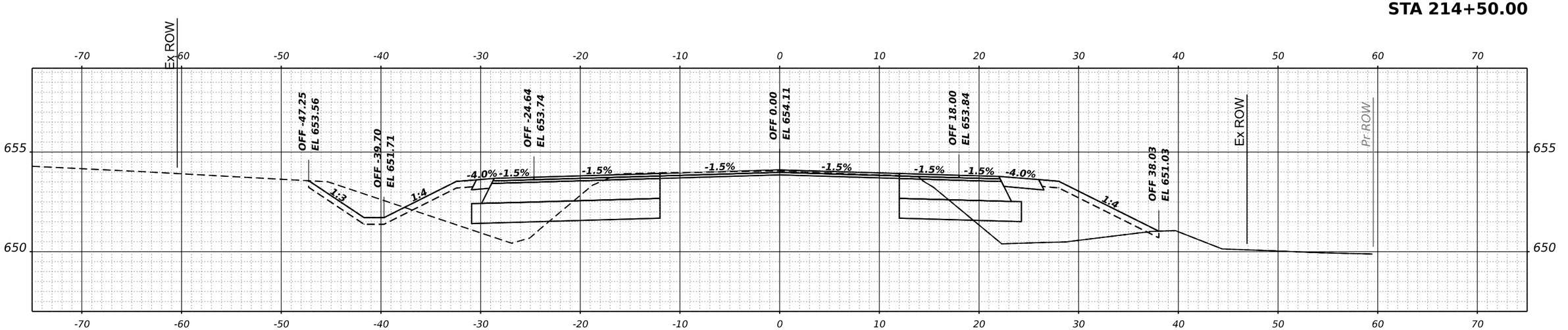
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STA 215+00.00



STA 214+50.00



STA 214+00.00

FINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

MODEL: GALENA - 214+00.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

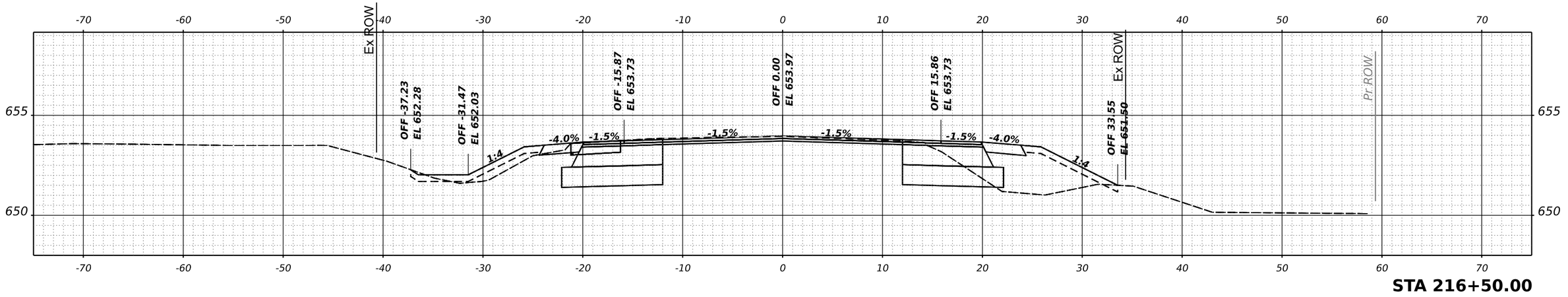
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

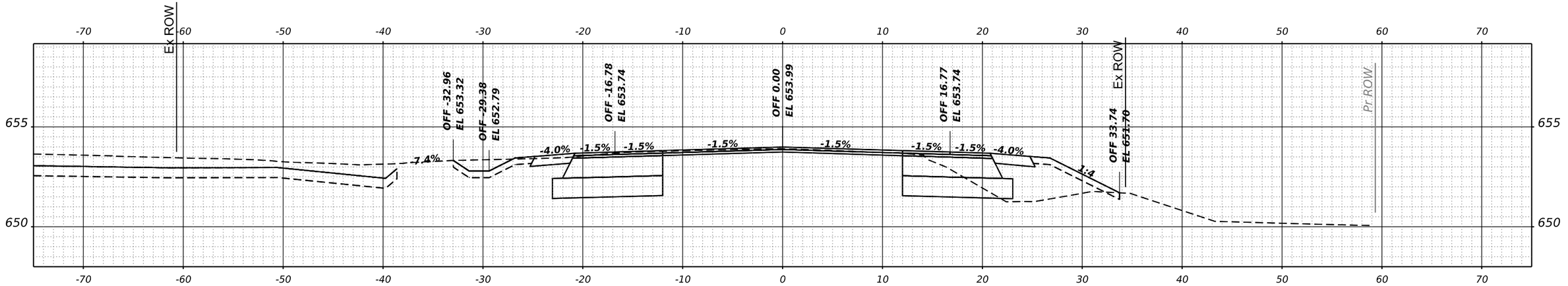
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 12 OF 15 SHEETS | STA. 214+00.00 | TO STA. 215+00.00

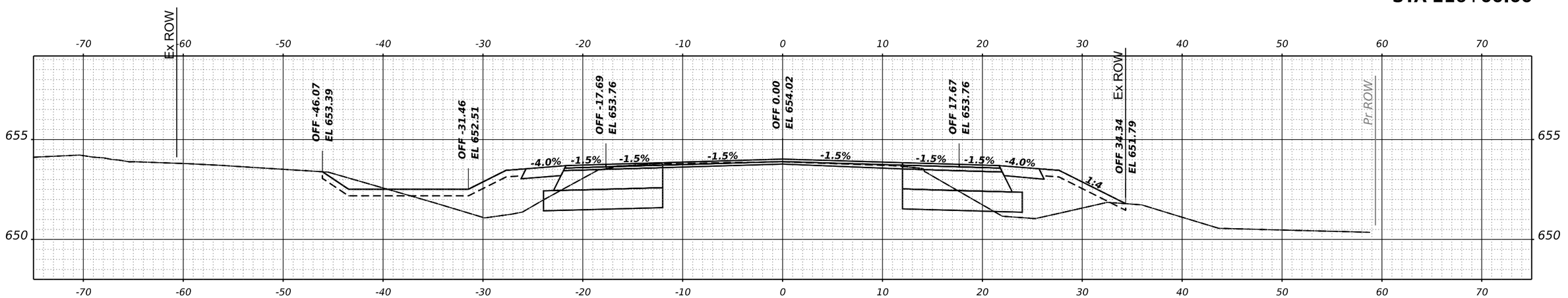
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	98
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 216+50.00



STA 216+00.00



STA 215+50.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

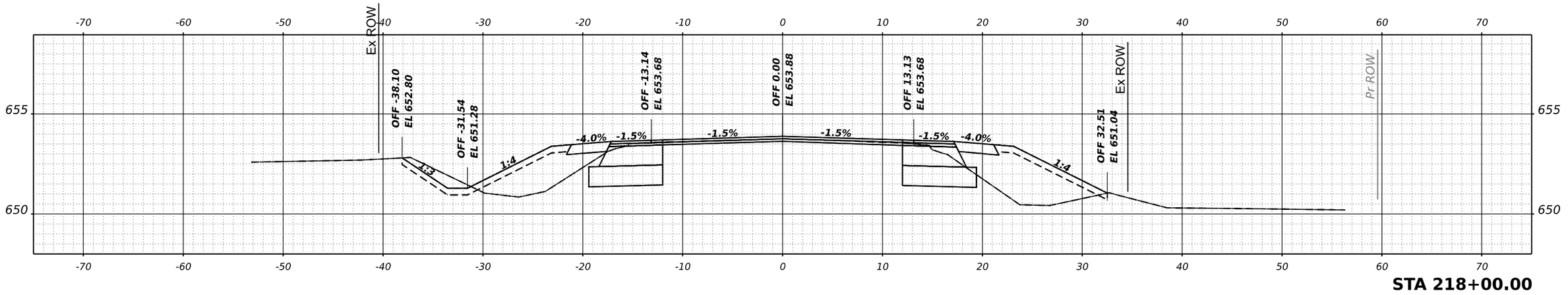
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.	N/A	
	ILLINOIS	FED. AID PROJECT		

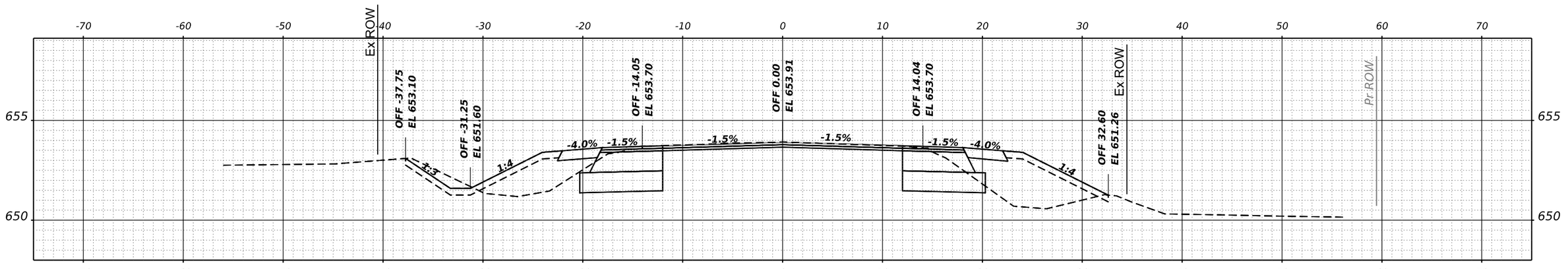
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SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

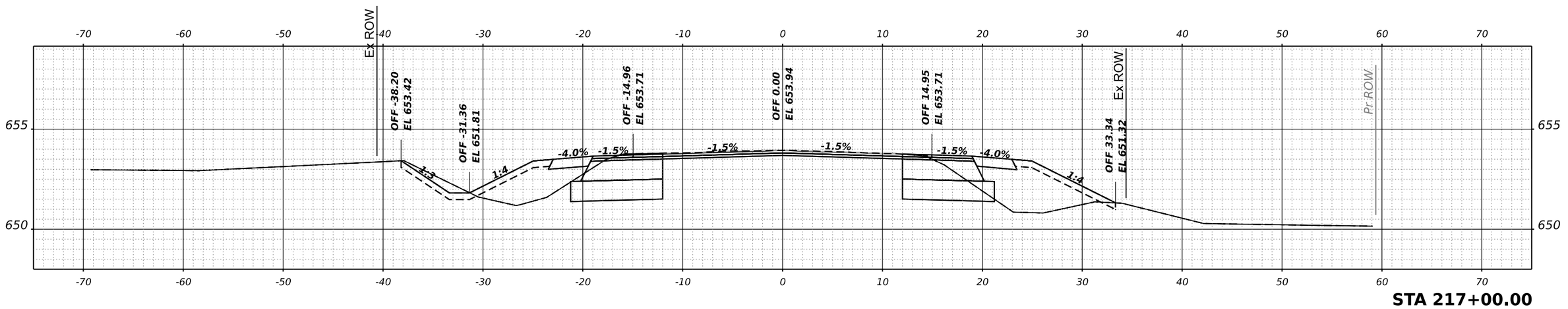
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STA 218+00.00



STA 217+50.00



STA 217+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 14 OF 15 SHEETS | STA. 217+00.00 | TO STA. 218+00.00

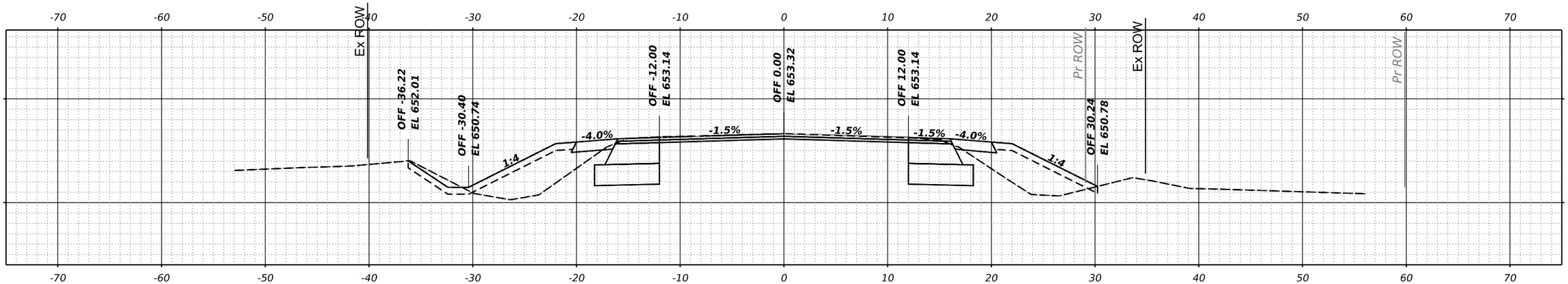
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	22-00169-00-TL	KENDALL	151	100
		CONTRACT NO. N/A		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

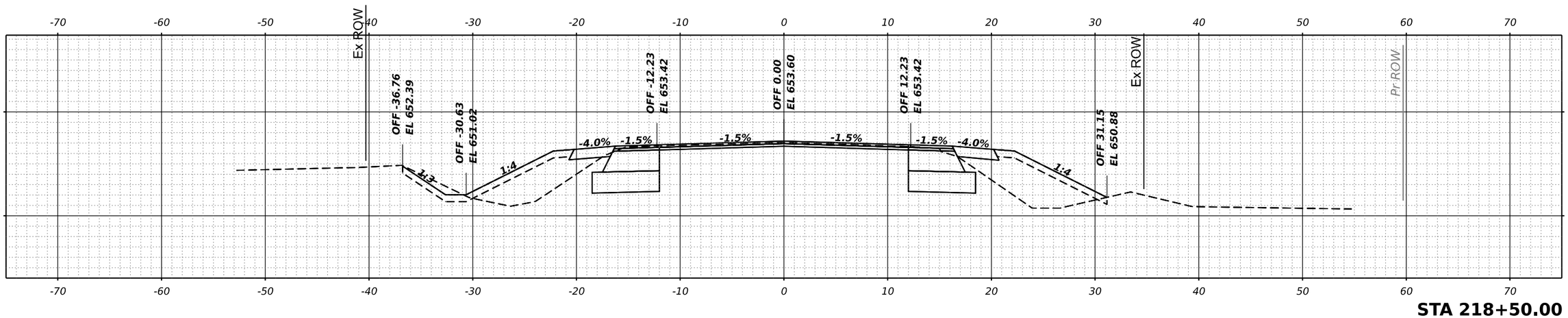
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FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
ANGLES		
NOTE BOOK		
NO.	AREAS CHECKED	



STA 219+00.00



STA 218+50.00

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
ANGLES		
NOTE BOOK		
NO.	AREAS CHECKED	

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

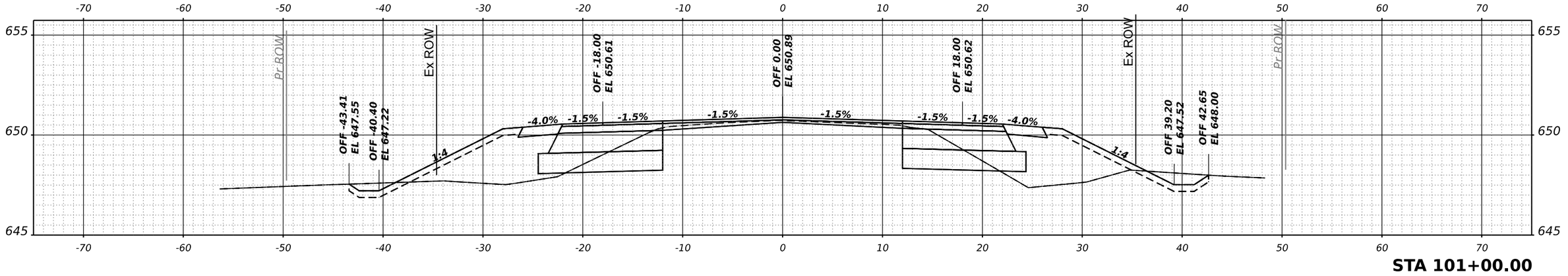
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

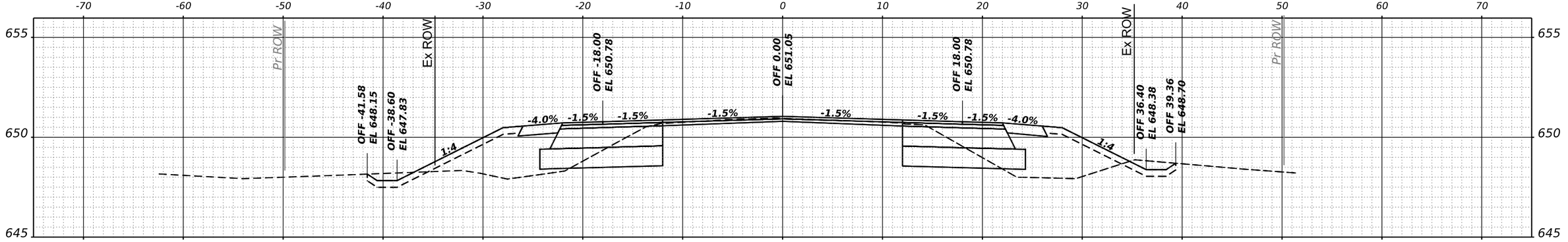
GALENA ROAD
CROSS SECTIONS

SCALE: | SHEET 15 OF 15 SHEETS | STA. 218+50.00 TO STA. 219+00.00

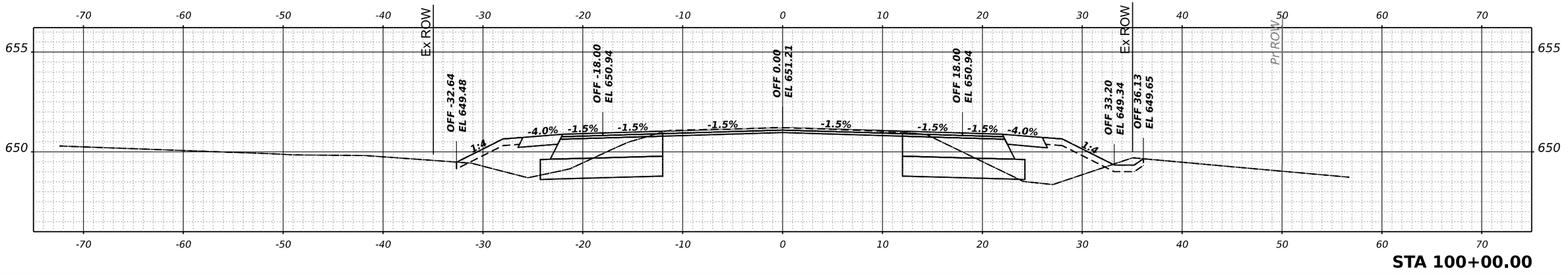
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	22-00169-00-TL	KENDALL	151	101
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 101+00.00



STA 100+50.00



STA 100+00.00

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

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	DRAWN -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 1 OF 20 SHEETS | STA. 100+00.00 | TO STA. 101+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	102
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

MODEL: PrCL3 - 101+50.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

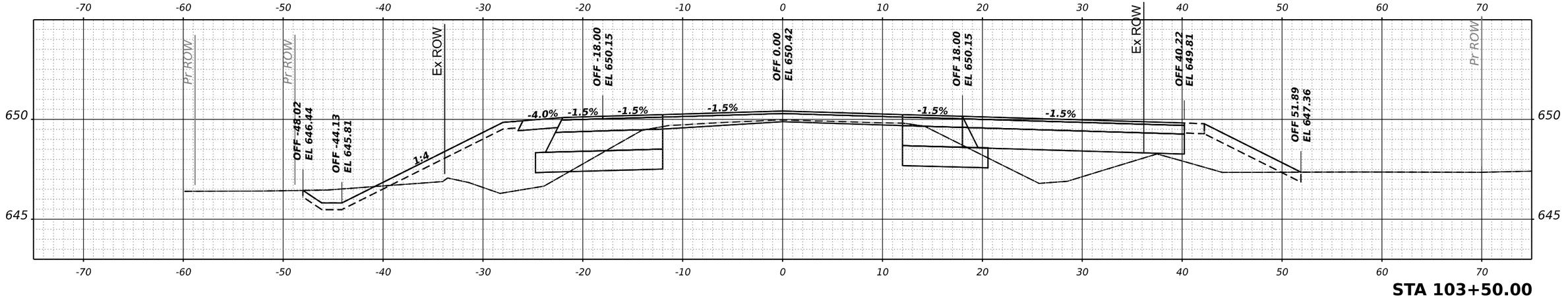
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

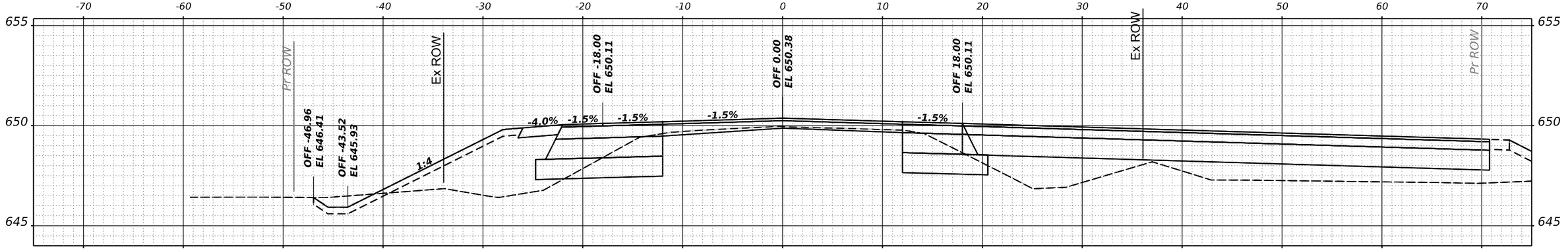
CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

SCALE: | SHEET 2 OF 20 SHEETS | STA. 101+50.00 TO STA. 102+50.00

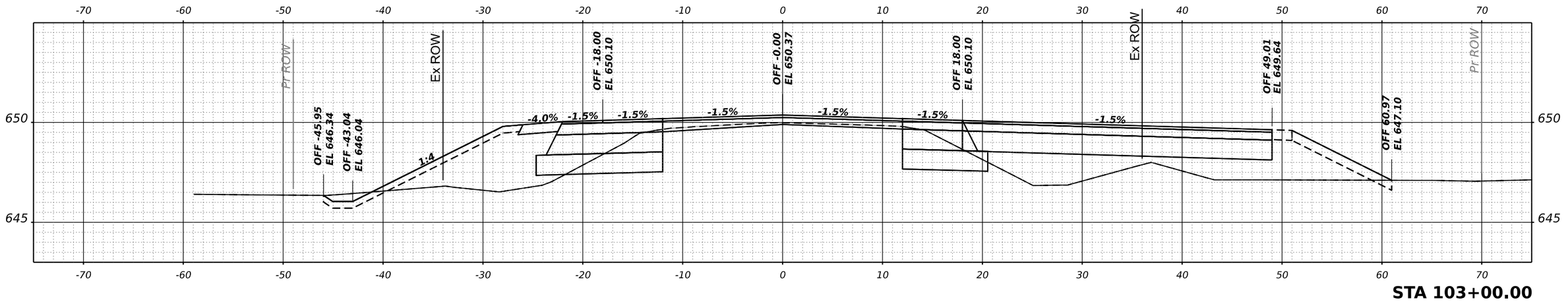
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	22-00169-00-TL	KENDALL	151	103
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 103+50.00



STA 103+22.10



STA 103+00.00

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

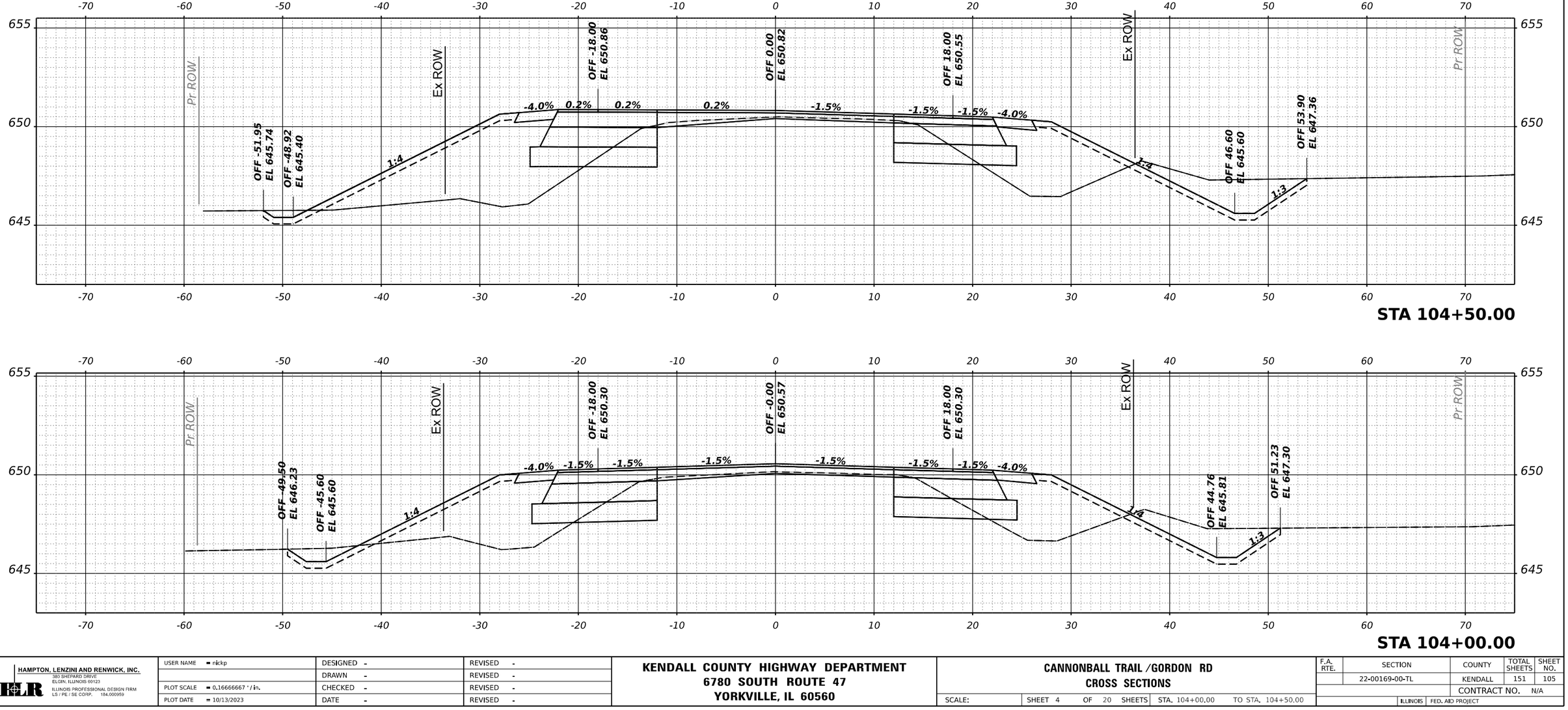
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	DRAWN -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 3 OF 20 SHEETS | STA. 103+00.00 | TO STA. 103+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	104
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

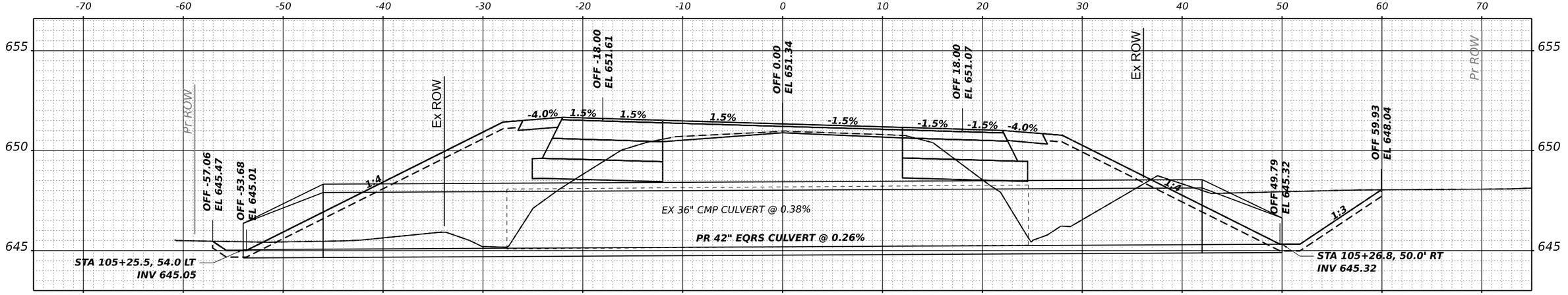
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	DRAWN -	REVISED -
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

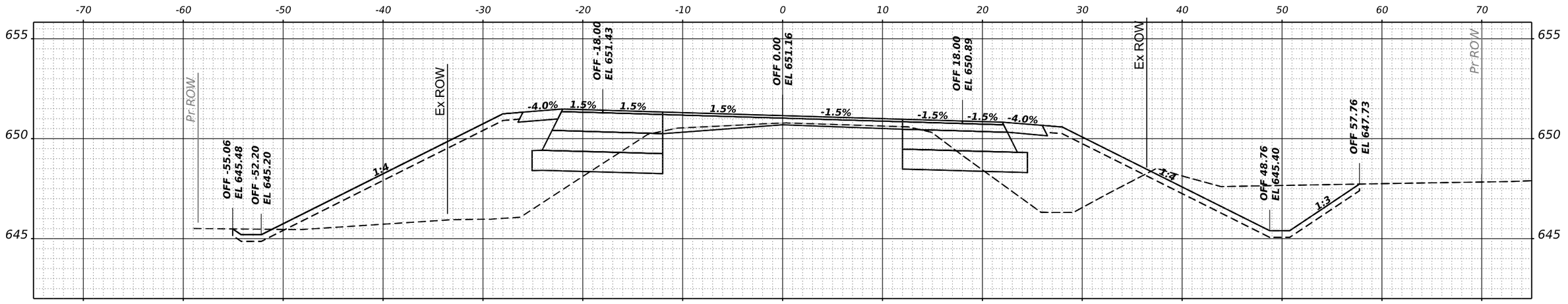
CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

SCALE: | SHEET 4 OF 20 SHEETS | STA. 104+00.00 | TO STA. 104+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	105
		CONTRACT NO. N/A		
		ILLINOIS	FED. AID PROJECT	



STA 105+26.00



STA 105+00.00

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

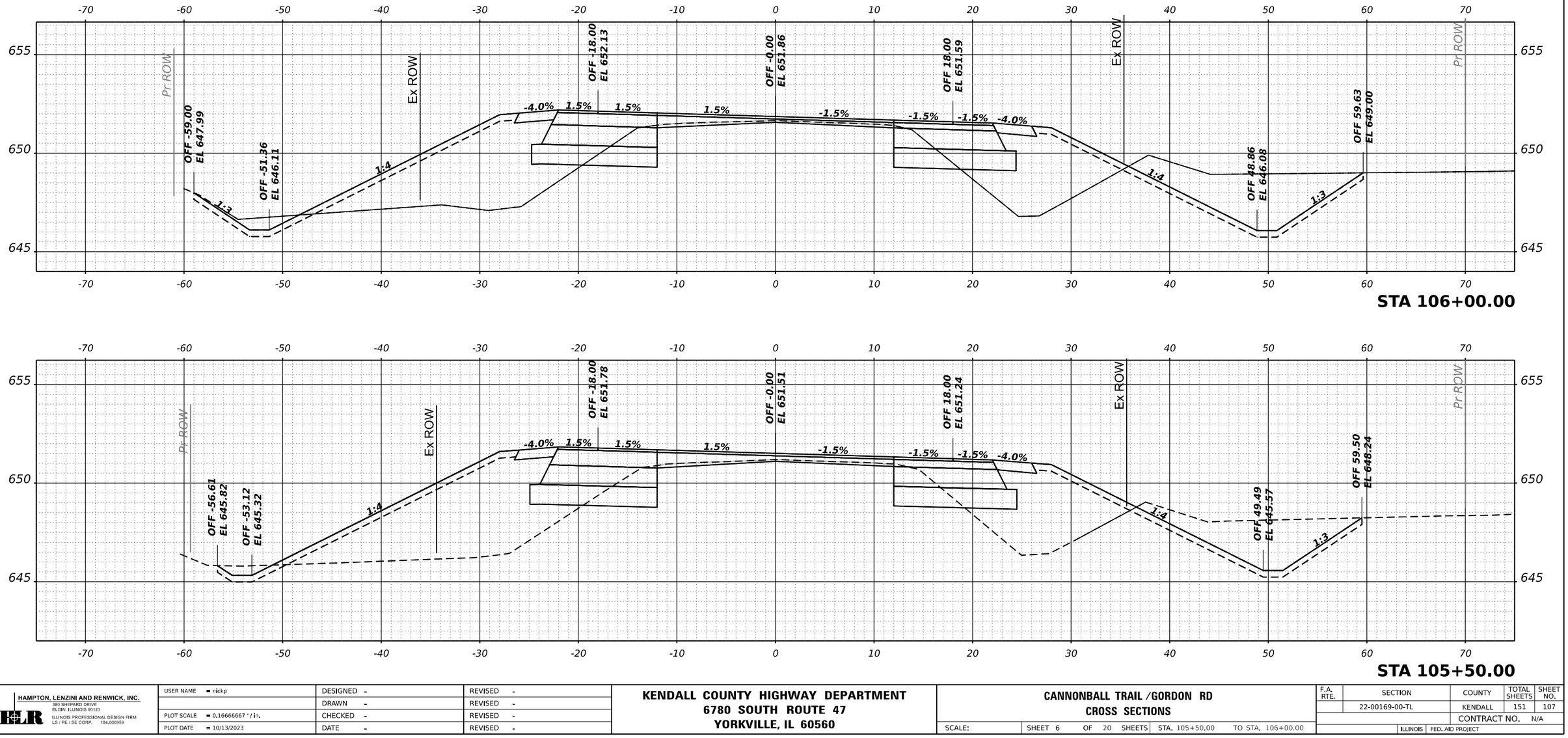
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

SCALE: | SHEET 5 OF 20 SHEETS | STA. 105+00.00 TO STA. 105+26.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	106
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

MODEL: PrCL3 - 105+50.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

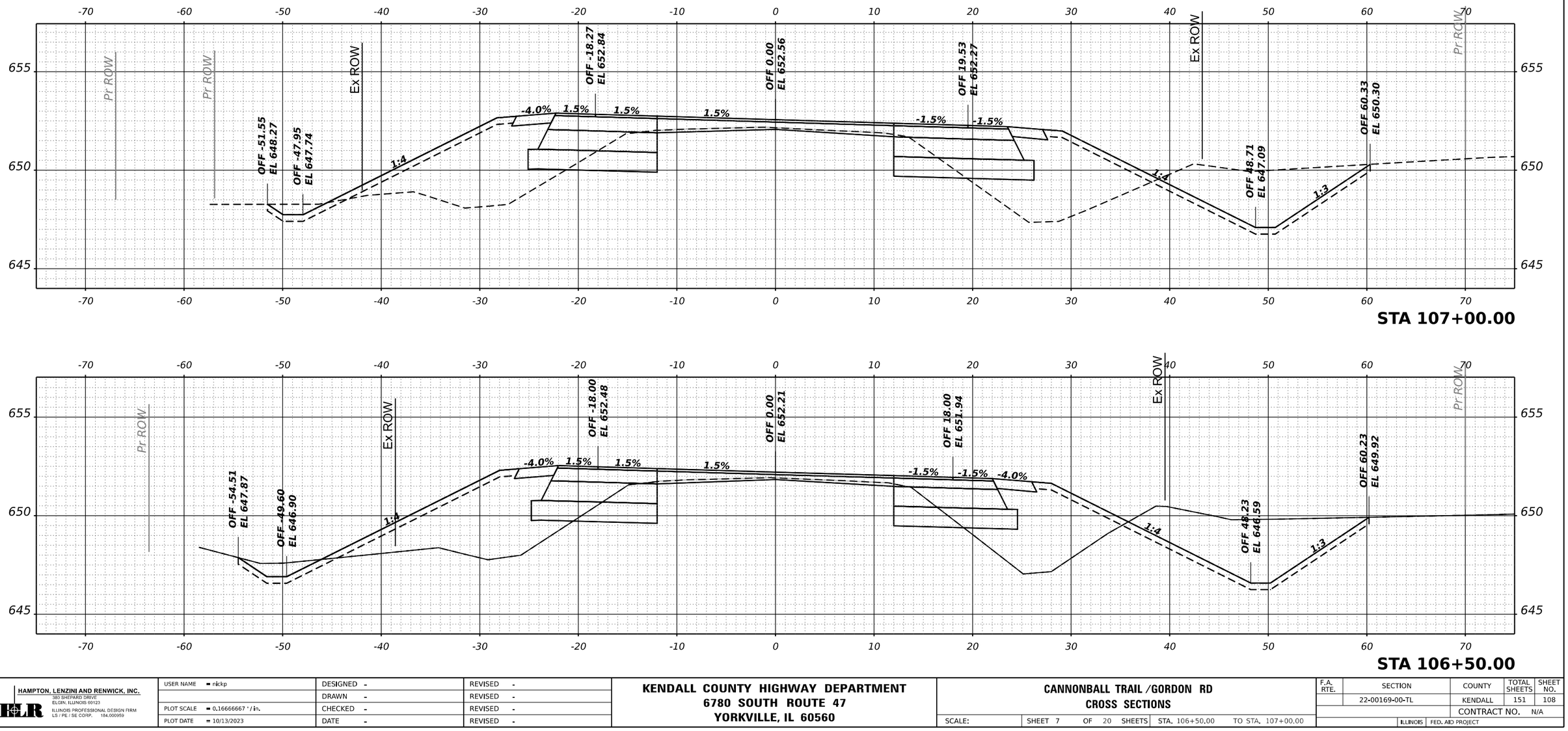
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PLOT DATE	= 10/13/2023	DATE	-	REVISED	-

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 6 OF 20 SHEETS | STA. 105+50.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	107
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED
BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED
BY — DATE

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

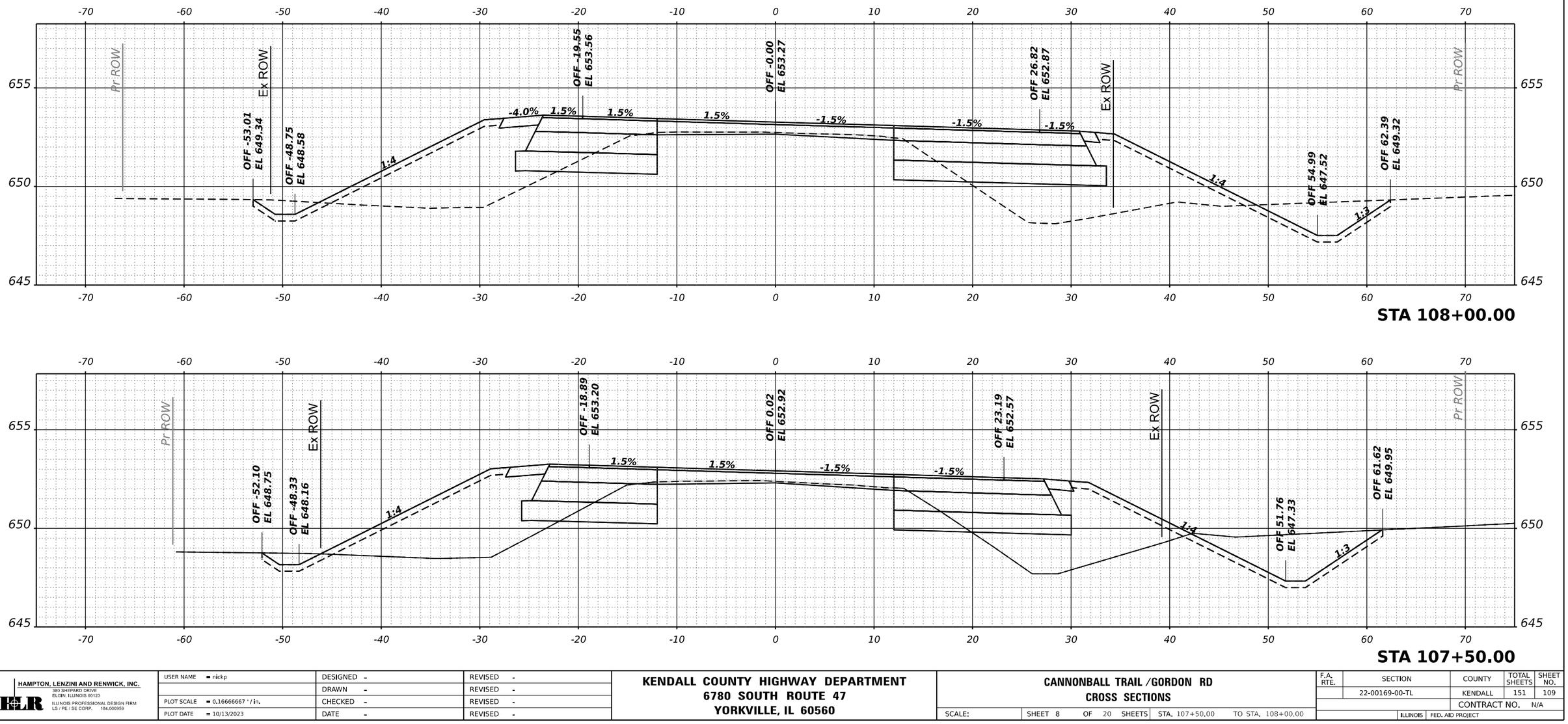
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 7 OF 20 SHEETS | STA. 106+50.00 TO STA. 107+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	108
		CONTRACT NO. N/A		
		ILLINOIS	FED. AID PROJECT	



HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 8 OF 20 SHEETS | STA. 107+50.00 TO STA. 108+00.00

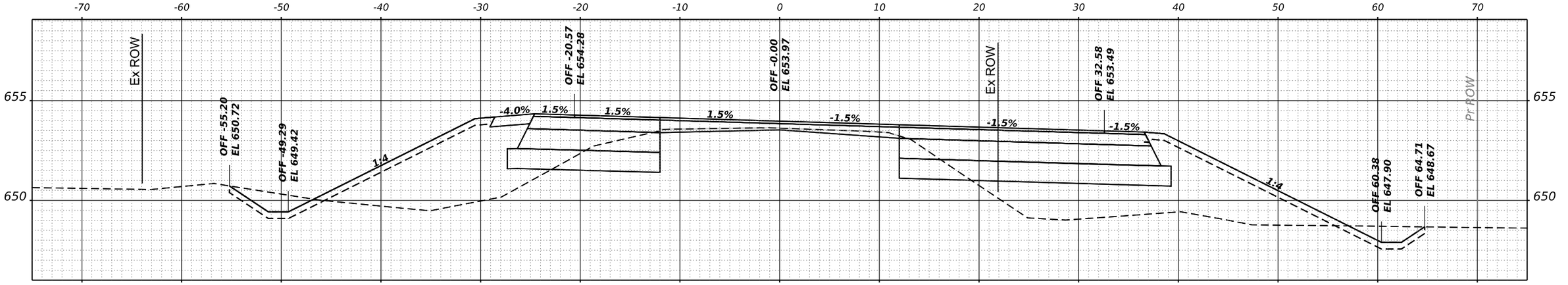
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	22-00169-00-TL	KENDALL	151	109
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

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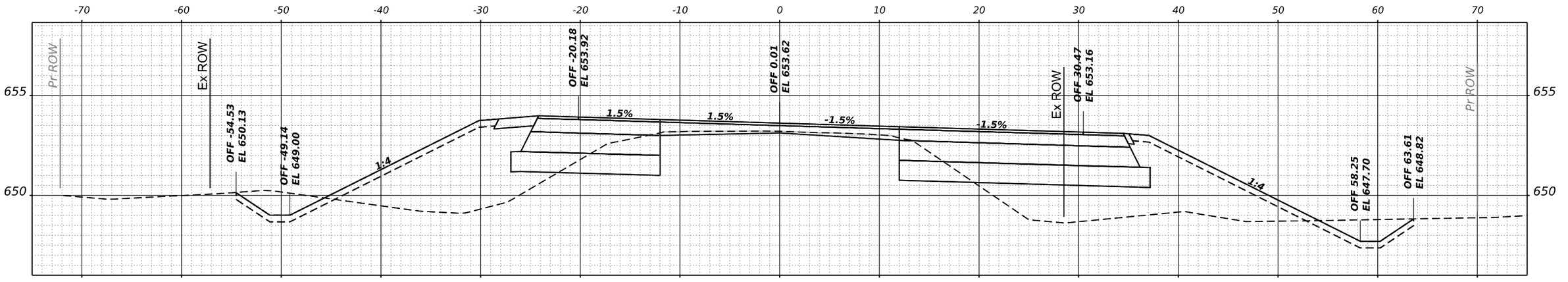
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FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		



STA 109+00.00



STA 108+50.00

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

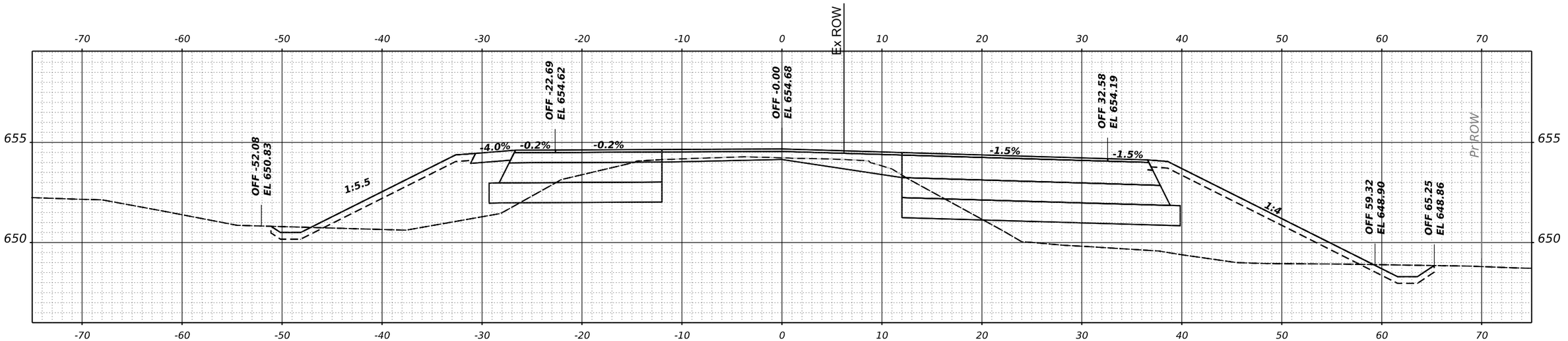
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PLOT DATE	= 10/13/2023	DATE	-	REVISED	-

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

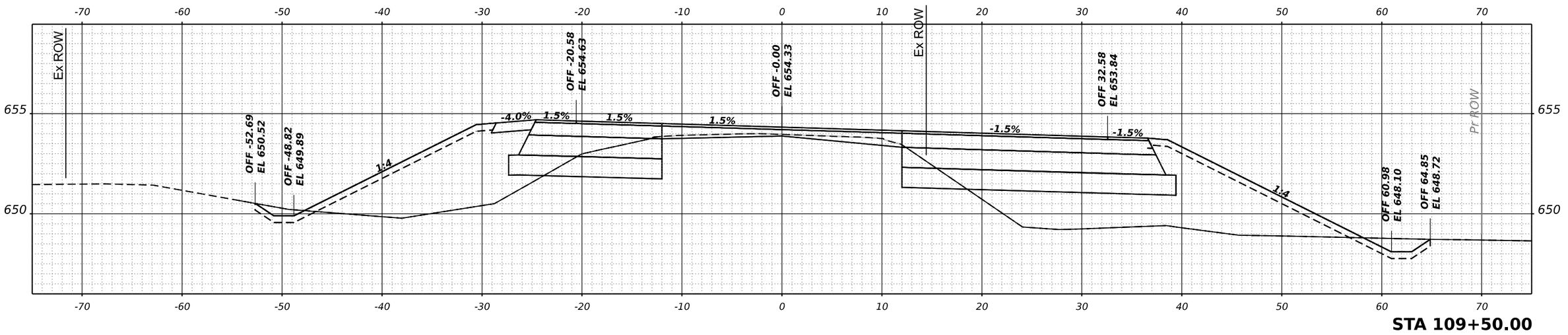
CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 9 OF 20 SHEETS | STA. 108+50.00 TO STA. 109+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	110
		CONTRACT NO.	N/A	
	ILLINOIS	FED. AID PROJECT		



STA 110+00.00



STA 109+50.00

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

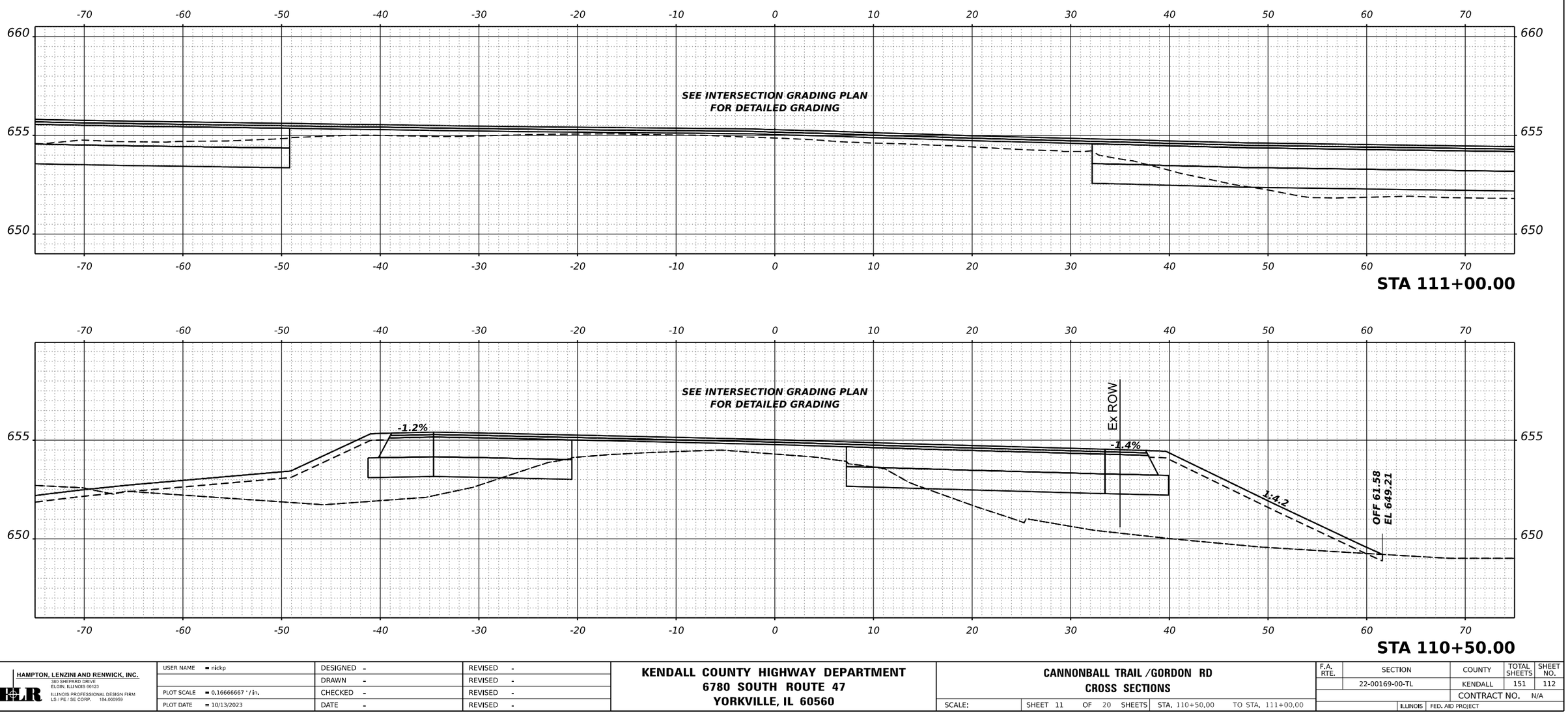
CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

SCALE: | SHEET 10 OF 20 SHEETS | STA. 109+50.00 | TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	111
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED



ORIGINAL SURVEY	
NOTE BOOK	
NO.	

DATE	BY	
		SURVEYED
		PLOTTED
		TEMPLATE
		AREAS
		AREAS CHECKED

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

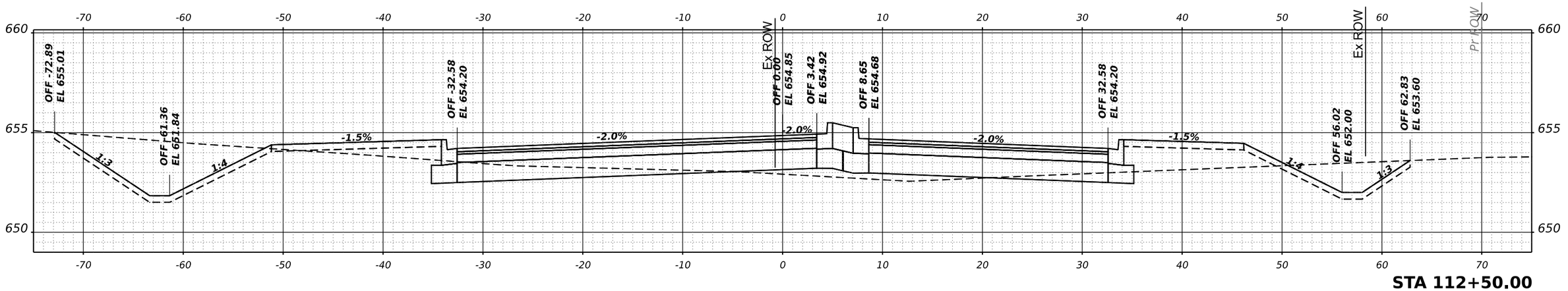
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

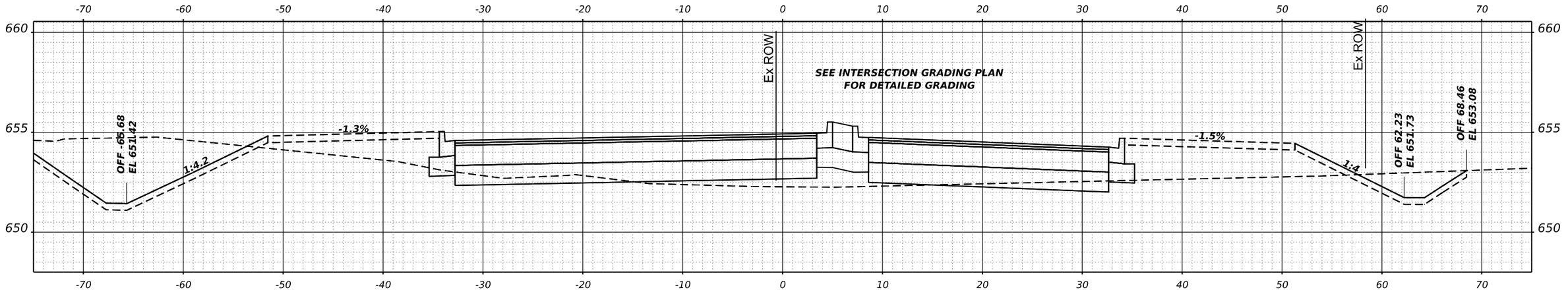
CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

SCALE: | SHEET 11 OF 20 SHEETS | STA. 110+50.00 | TO STA. 111+00.00

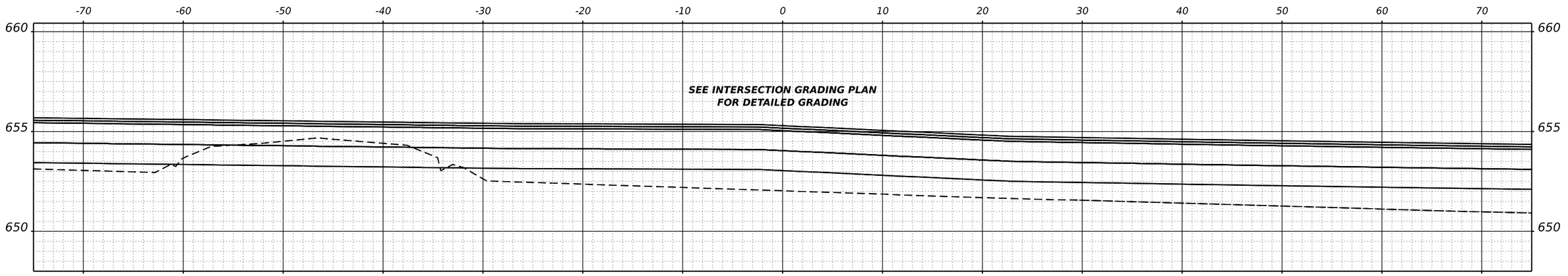
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	112
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 112+50.00



STA 112+00.00



STA 111+50.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

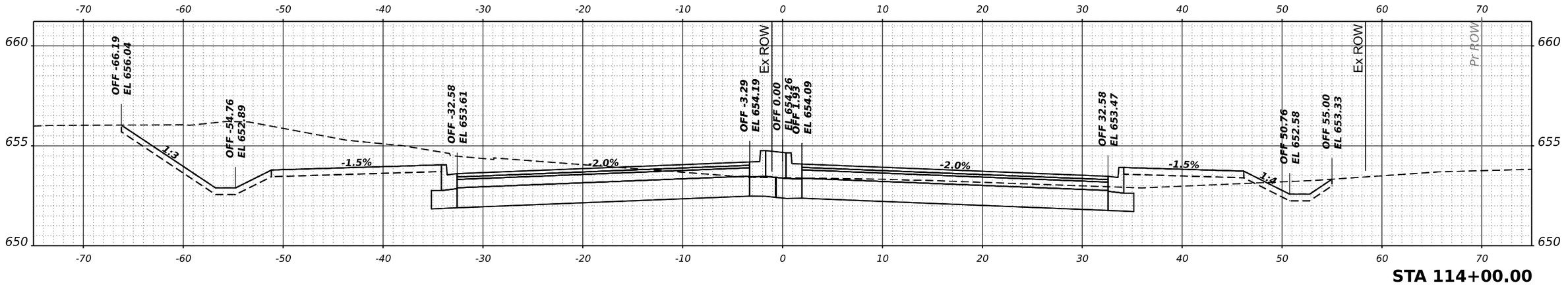
SCALE: | SHEET 12 OF 20 SHEETS | STA. 111+50.00 | TO STA. 112+50.00

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		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

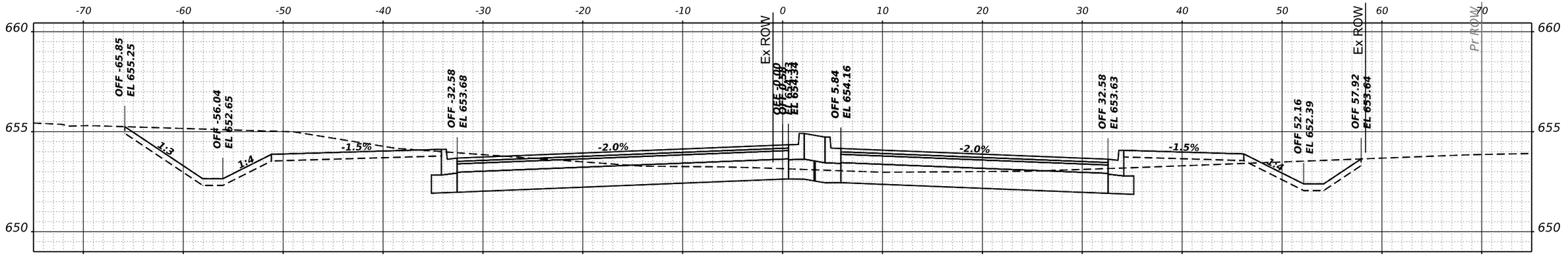
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SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

ORIGINAL SURVEY | NOTE BOOK | NO. | BY | DATE
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

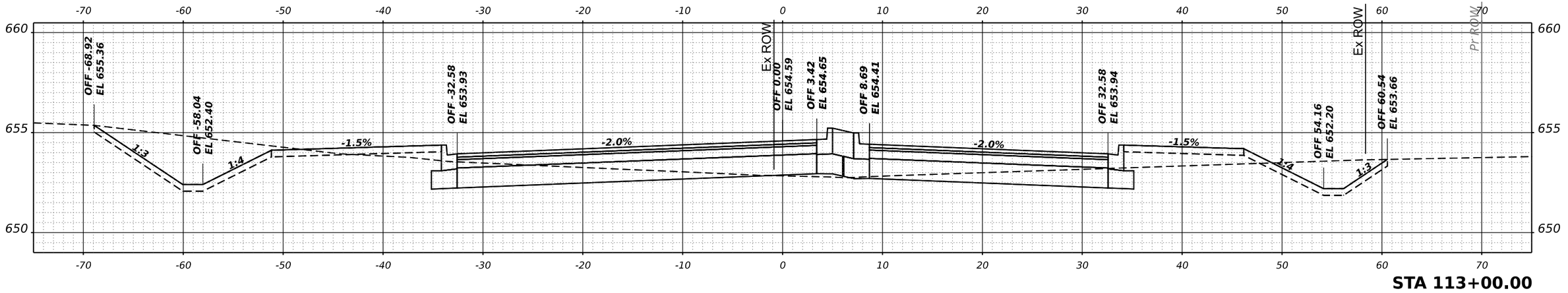
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STA 114+00.00



STA 113+50.00



STA 113+00.00

FINAL SURVEY | NOTE BOOK | NO.
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED
BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO.
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED
BY | DATE

MODEL: PrC13 - 113+00.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

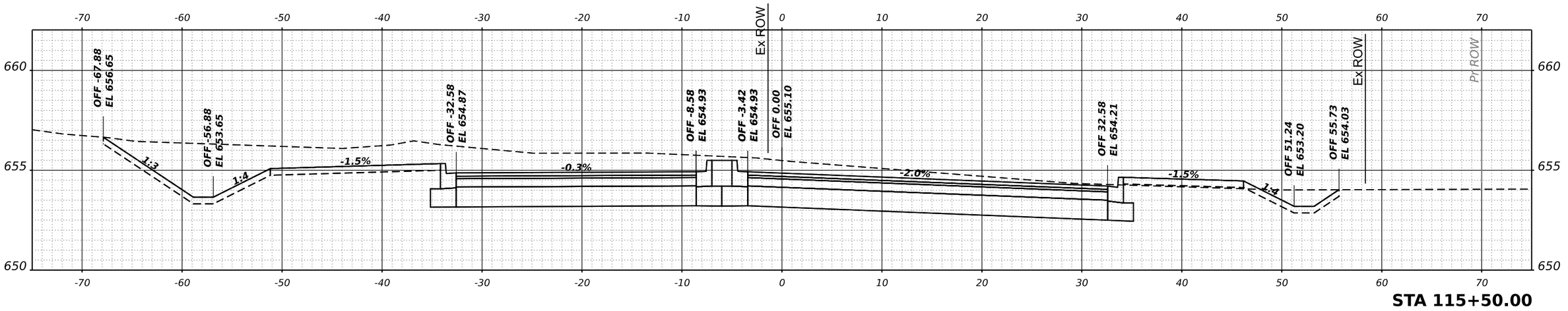
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

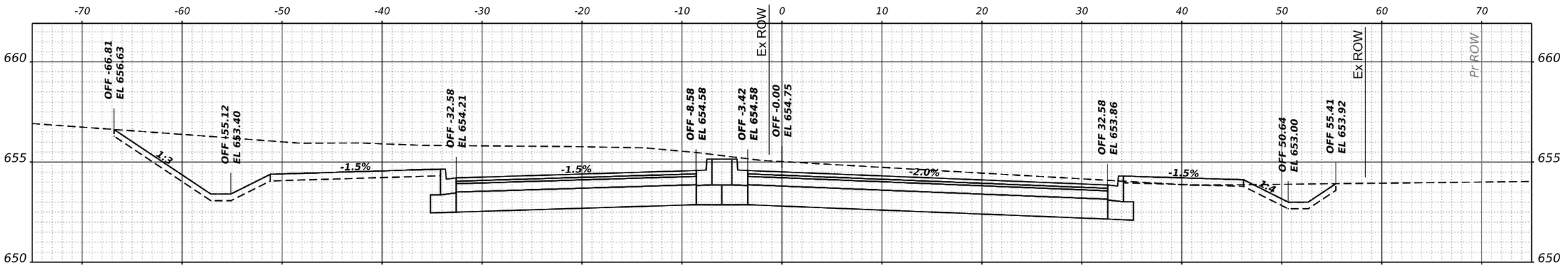
CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 13 OF 20 SHEETS | STA. 113+50.00 | TO STA. 114+00.00

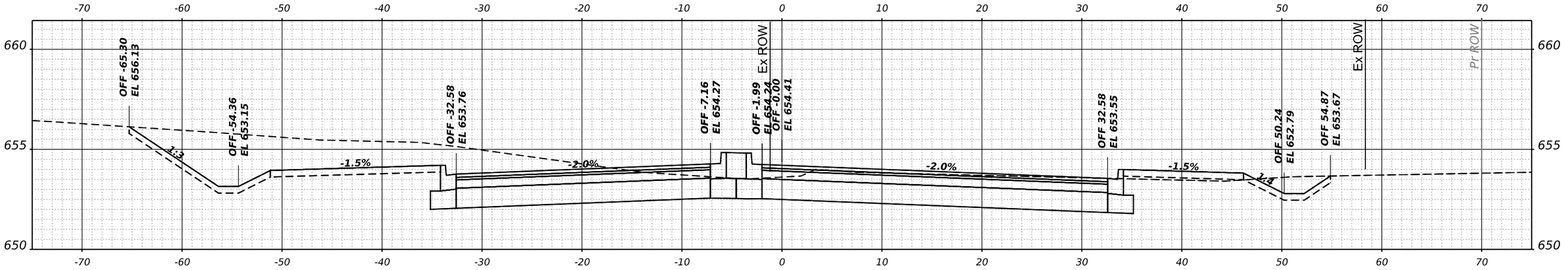
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	22-00169-00-TL	KENDALL	151	114
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 115+50.00



STA 115+00.00



STA 114+50.00

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

MODEL: PrCL3 - 114+50.00-2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

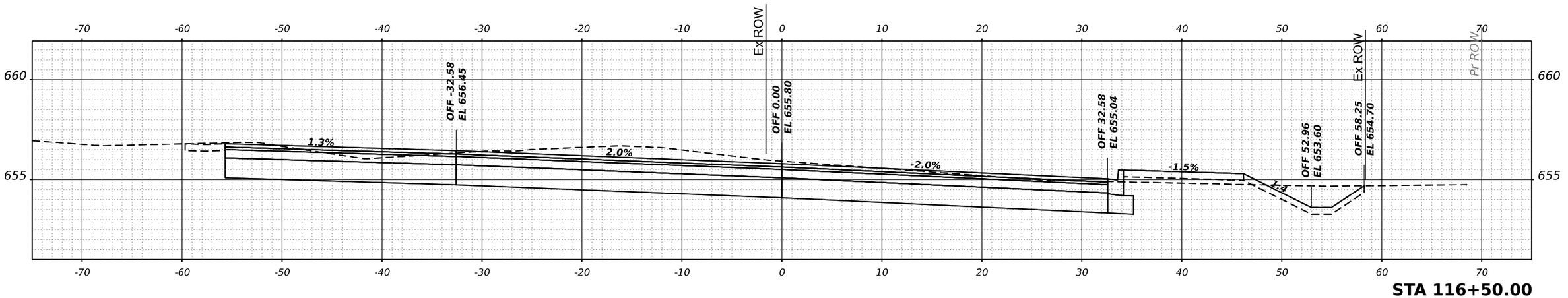
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

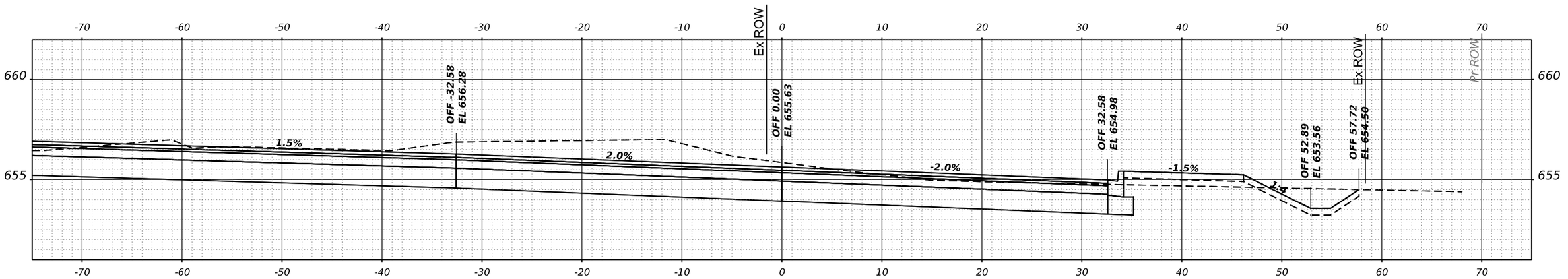
CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 14 OF 20 SHEETS | STA. 114+50.00 | TO STA. 115+50.00

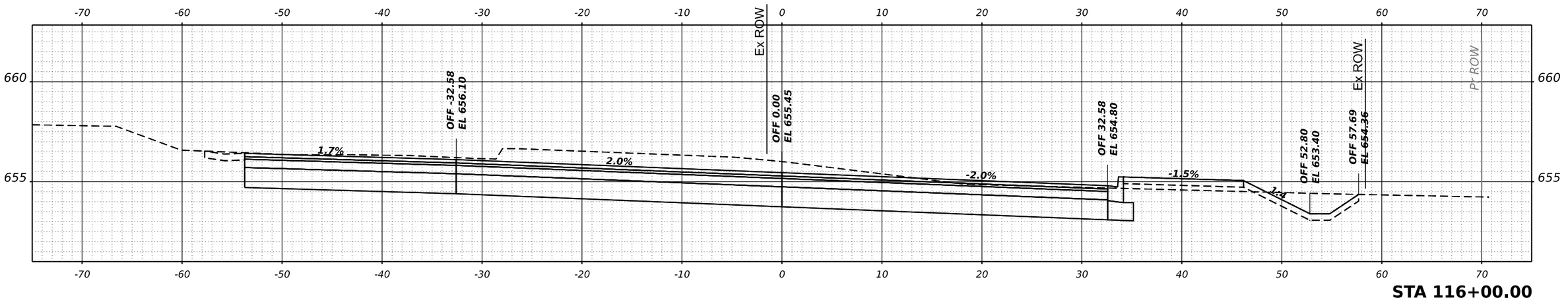
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	22-00169-00-TL	KENDALL	151	115
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 116+50.00



STA 116+25.65



STA 116+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

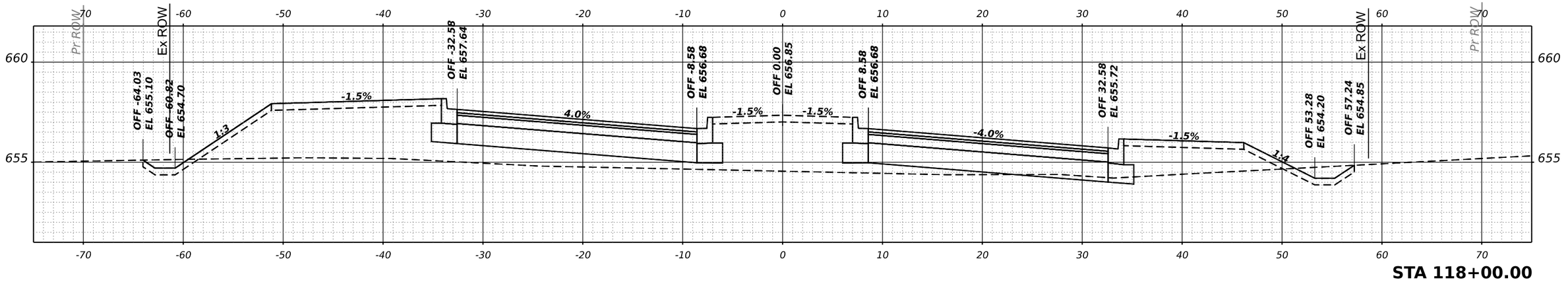
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

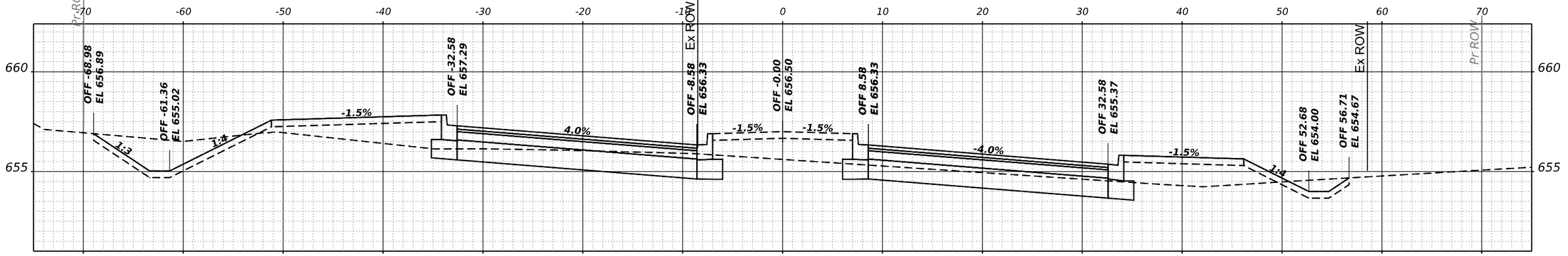
ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

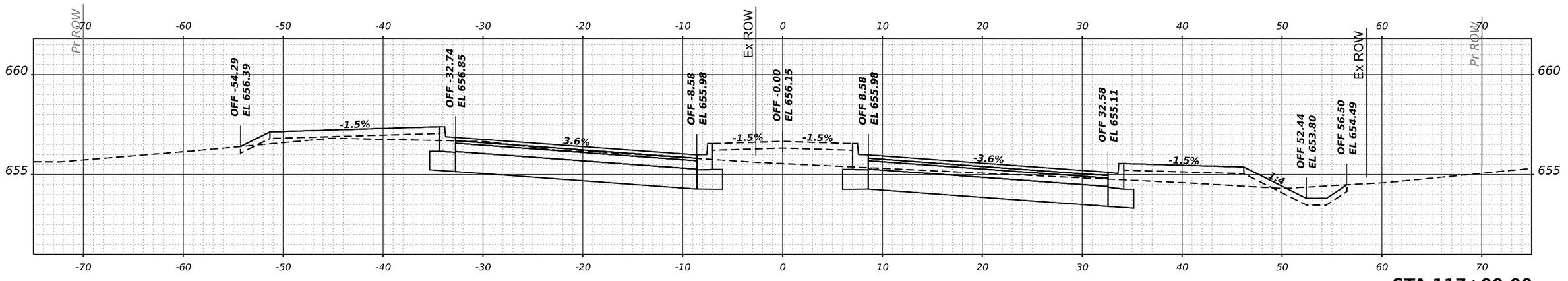
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STA 118+00.00



STA 117+50.00



STA 117+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

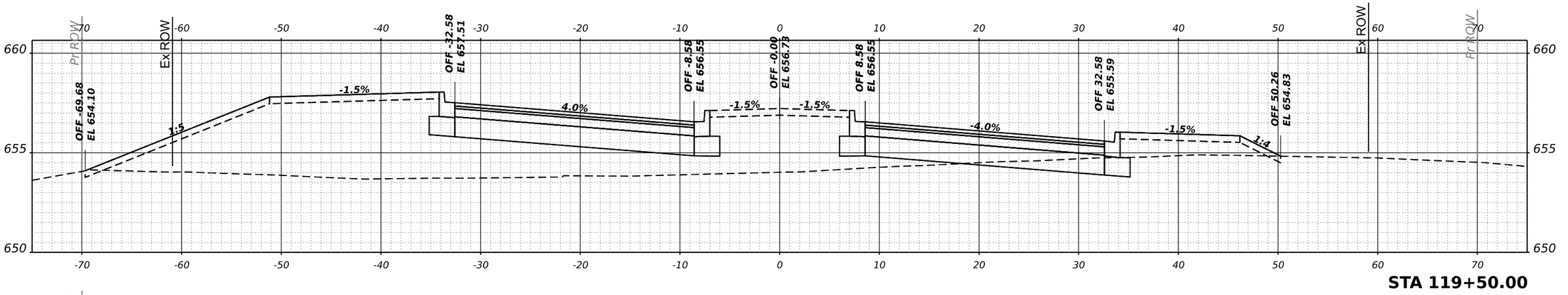
CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 16 OF 20 SHEETS | STA. 117+00.00 | TO STA. 118+00.00

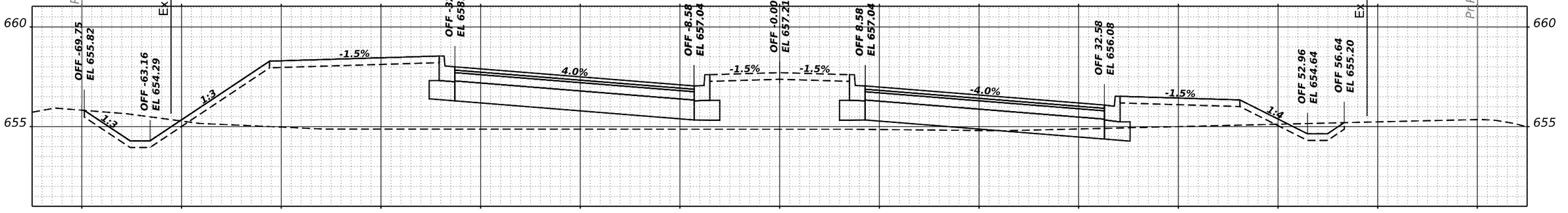
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	117
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY | NOTE BOOK | NO. | BY | DATE
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

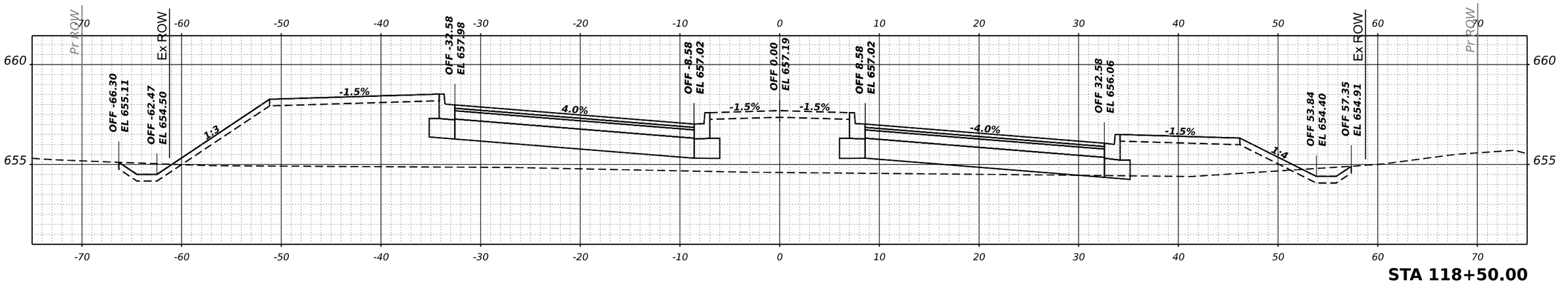
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STA 119+50.00



STA 119+00.00



STA 118+50.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

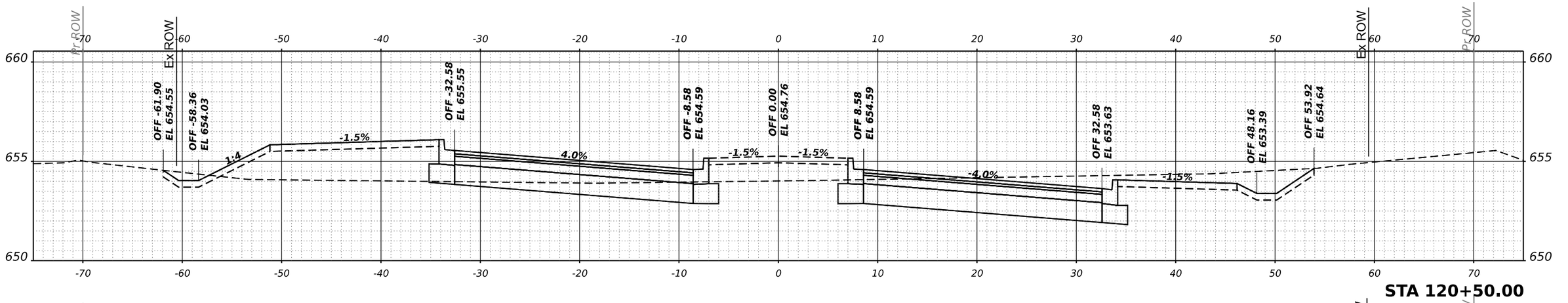
CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

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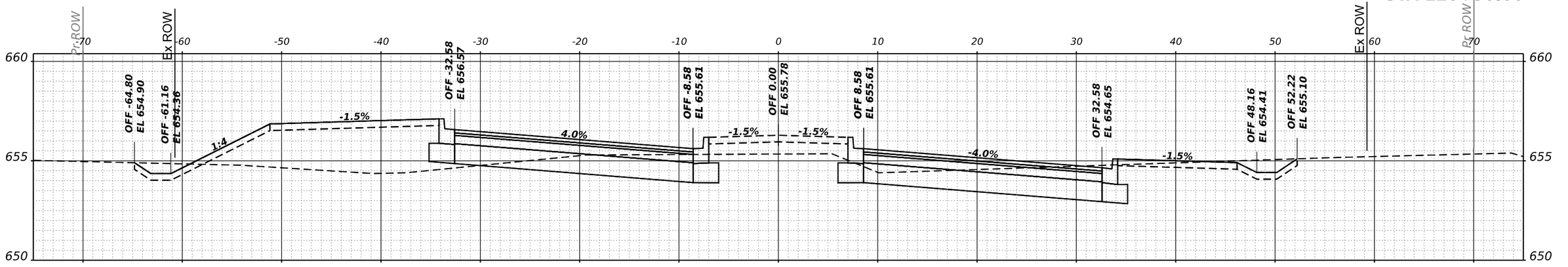
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	118
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY / ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

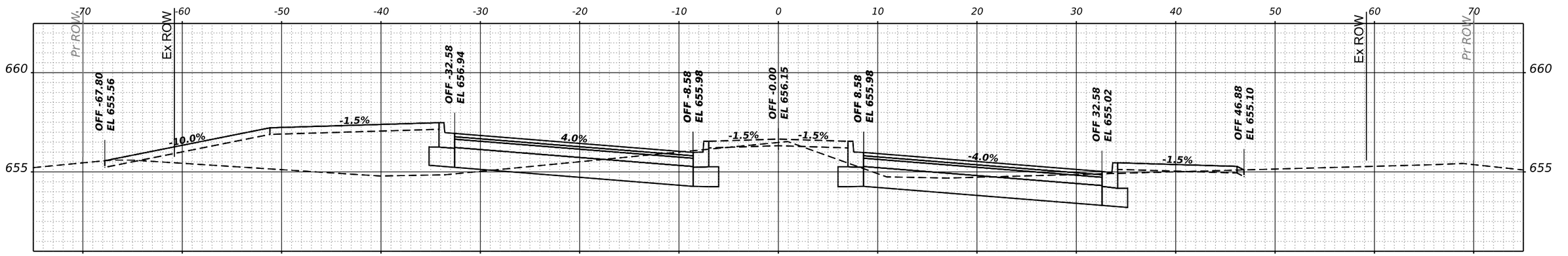
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STA 120+50.00



STA 120+00.00



STA 119+82.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

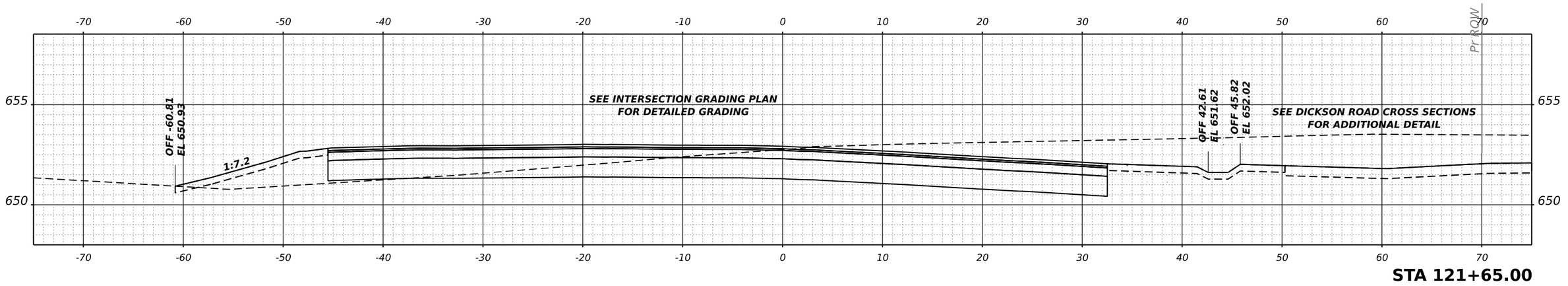
SCALE: | SHEET 18 OF 20 SHEETS | STA. 119+82.00 | TO STA. 120+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	119
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

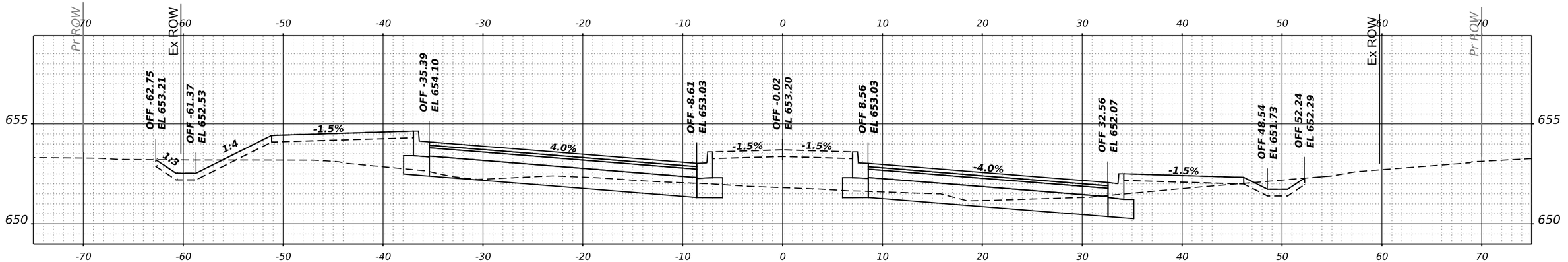
FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

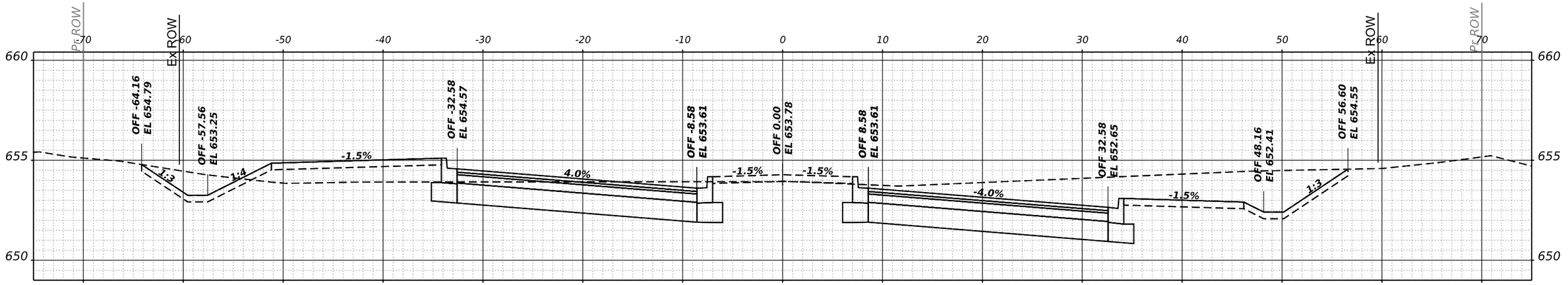
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STA 121+65.00



STA 121+50.00



STA 121+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

CANNONBALL TRAIL /GORDON RD
CROSS SECTIONS

SCALE: | SHEET 19 OF 20 SHEETS | STA. 121+00.00 TO STA. 121+65.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

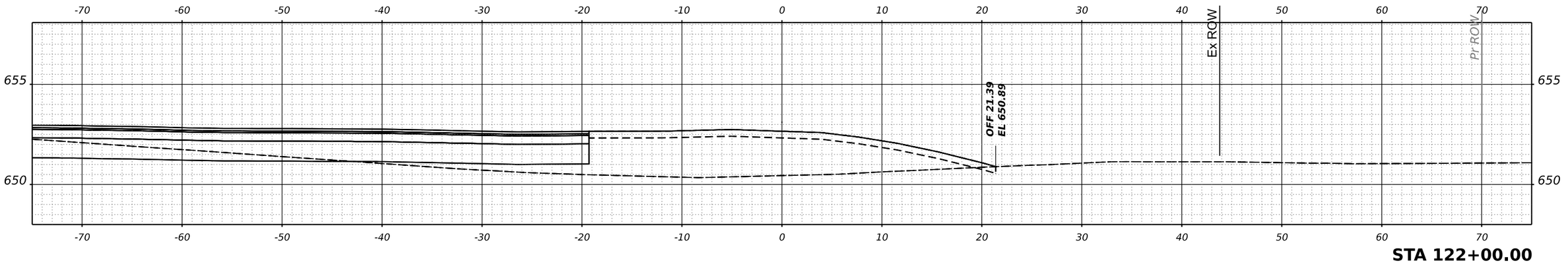
FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

MODEL: PrCL3 - 121+00.00-2 [Sheet]
FILE NAME: P:\2022\220131\Cad\02 Design\CADD Sheets\220131-sht-XS cannonball.dgn

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 122+00.00

MODEL: PrCL3 - 122+00.00=2 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

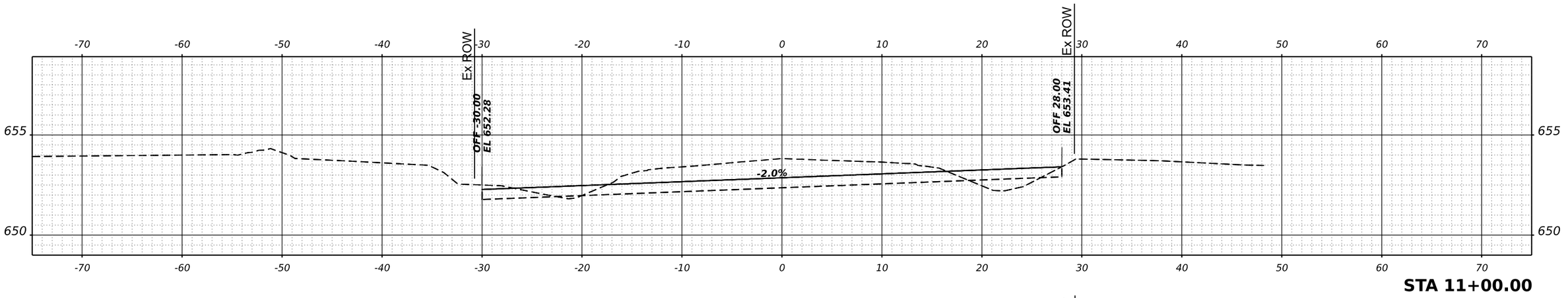
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	DRAWN -	REVISED -	
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

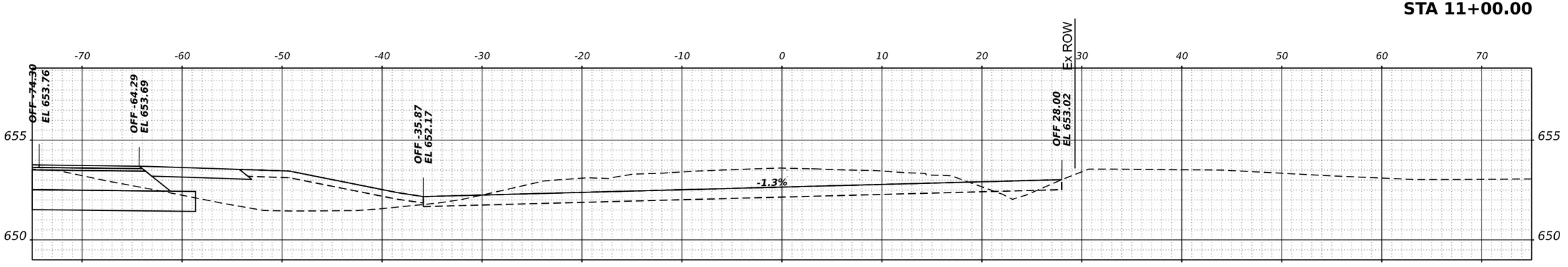
CANNONBALL TRAIL / GORDON RD
CROSS SECTIONS

SCALE: | SHEET 20 OF 20 SHEETS | STA. 122+00.00 TO STA.

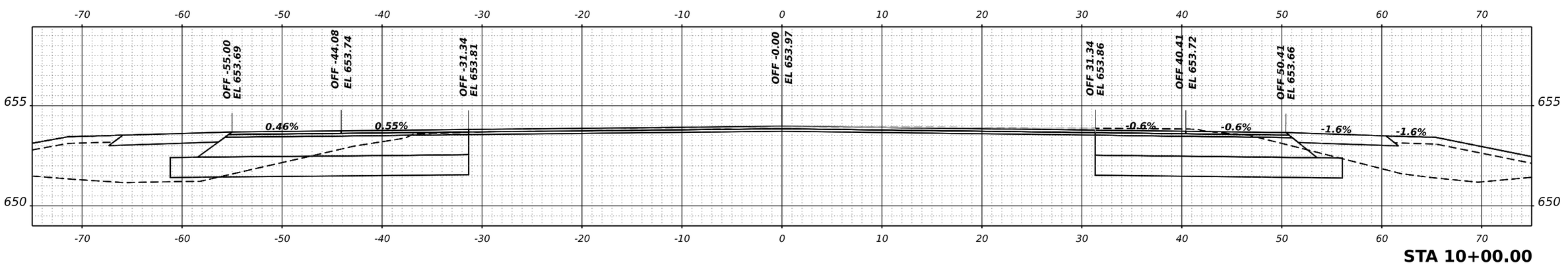
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	22-00169-00-TL	KENDALL	151	121
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 11+00.00



STA 10+50.00



STA 10+00.00

FINAL SURVEY	DATE
	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NOTE BOOK	
NO.	

ORIGINAL SURVEY	DATE
	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NOTE BOOK	
NO.	

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

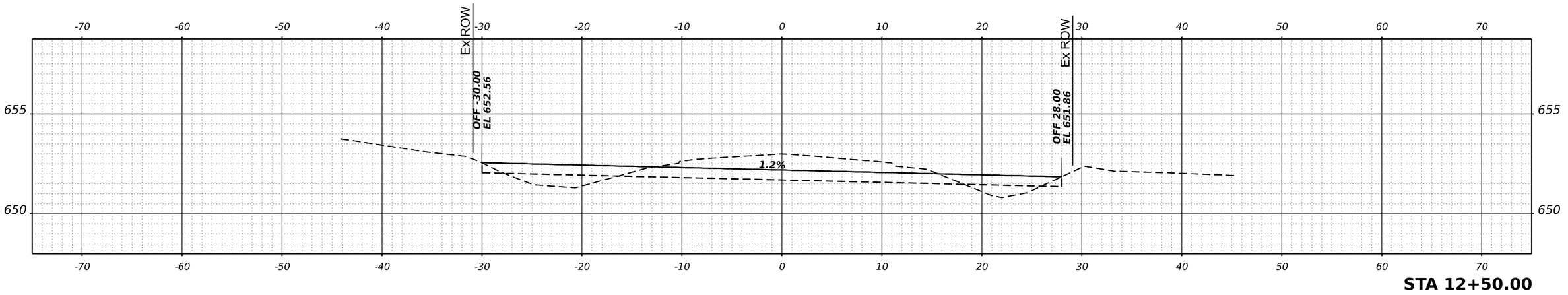
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

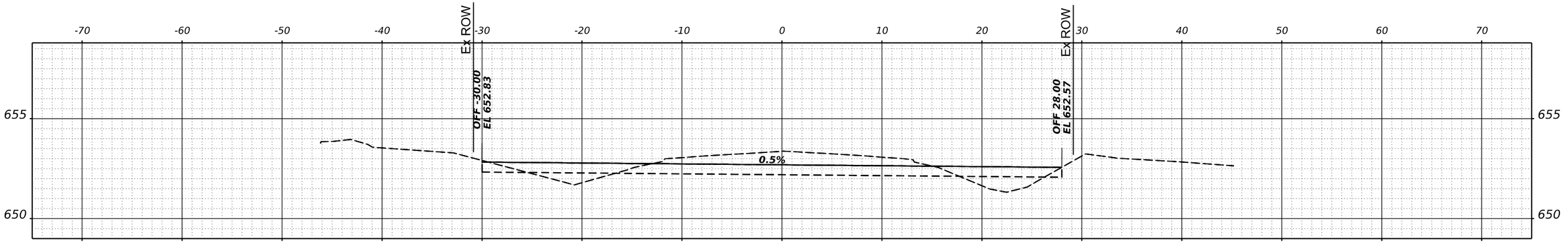
DICKSON ROAD
CROSS SECTIONS

SCALE: | SHEET 1 OF 12 SHEETS | STA. 10+00.00 | TO STA. 11+00.00

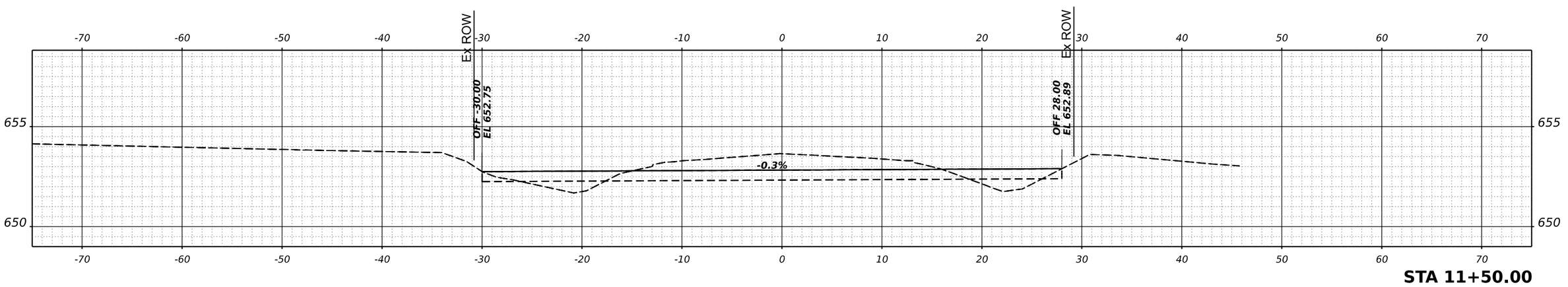
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	22-00169-00-TL	KENDALL	151	122
		CONTRACT NO. N/A		
		ILLINOIS	FED. AID PROJECT	



STA 12+50.00



STA 12+00.00



STA 11+50.00

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

MODEL: Dickson - 11+50.00 (Sheet)
FILE NAME: P:\2022\22031\Cad\02 Design\CADD_Sheets\220131-sht-XS dickson.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

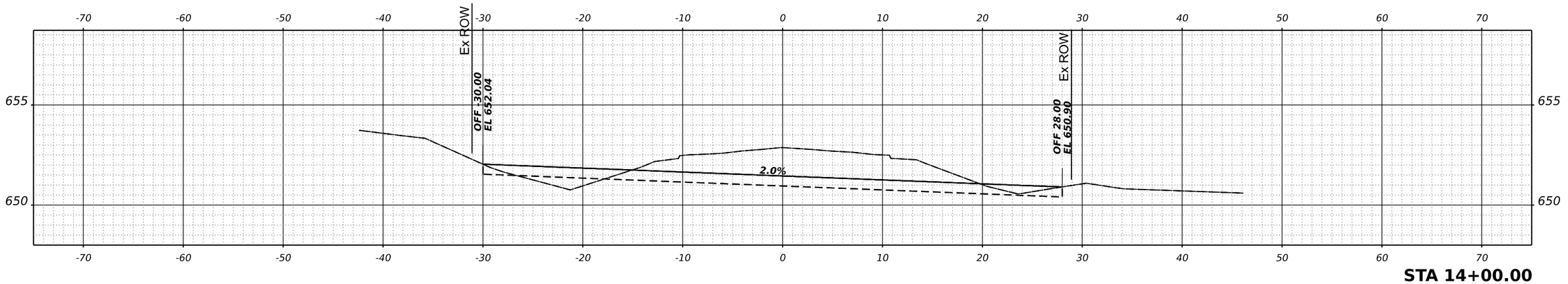
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	DRAWN -	REVISED -
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PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

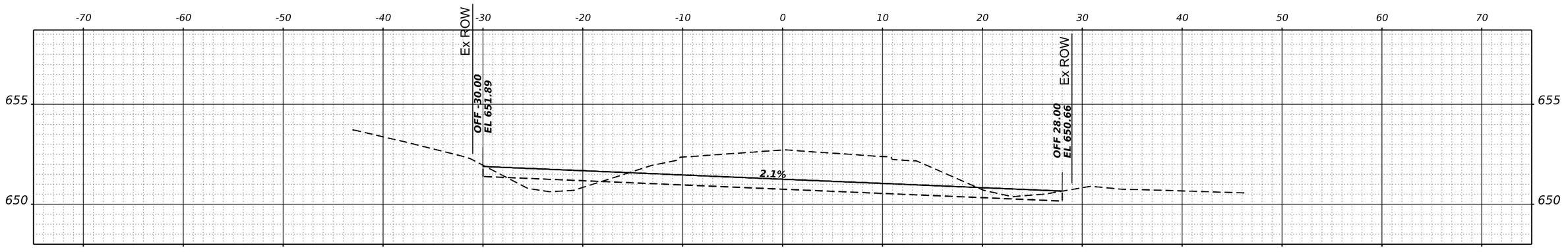
DICKSON ROAD
CROSS SECTIONS

SCALE: | SHEET 2 OF 12 SHEETS | STA. 11+50.00 | TO STA. 12+50.00

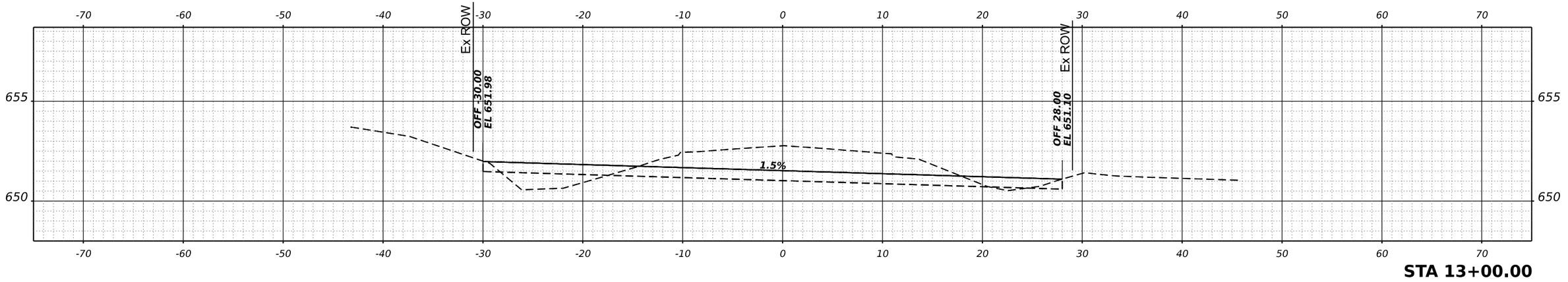
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	123
		CONTRACT NO. N/A		
		ILLINOIS	FED. AID PROJECT	



STA 14+00.00



STA 13+50.00



STA 13+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
CROSS SECTIONS

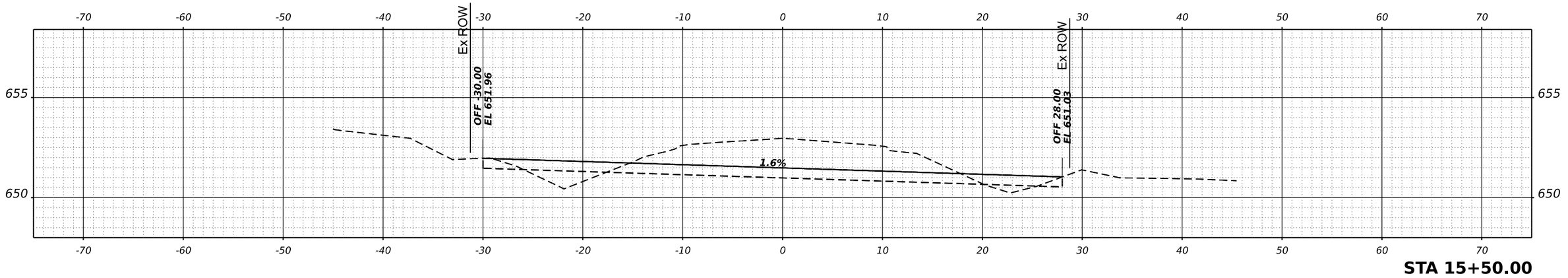
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

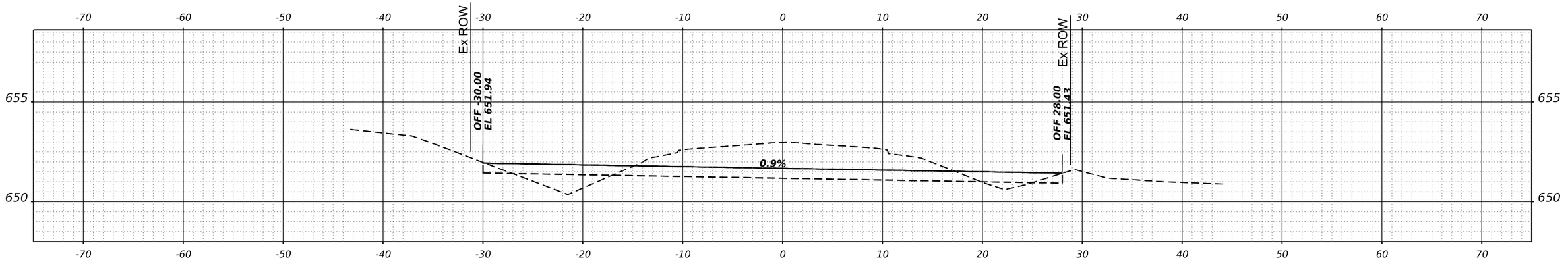
ORIGINAL SURVEY | NOTE BOOK | SURVEYED | PLOTTED | TEMPLATE | AREAS | NO. | BY | DATE | AREAS CHECKED

FINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS | NO. | BY | DATE | AREAS CHECKED

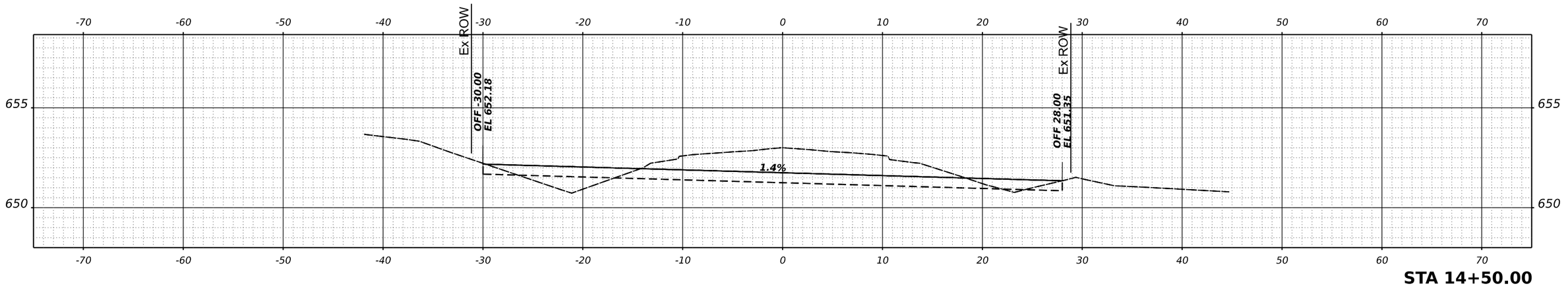
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STA 15+50.00



STA 15+00.00



STA 14+50.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 0.16666667 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

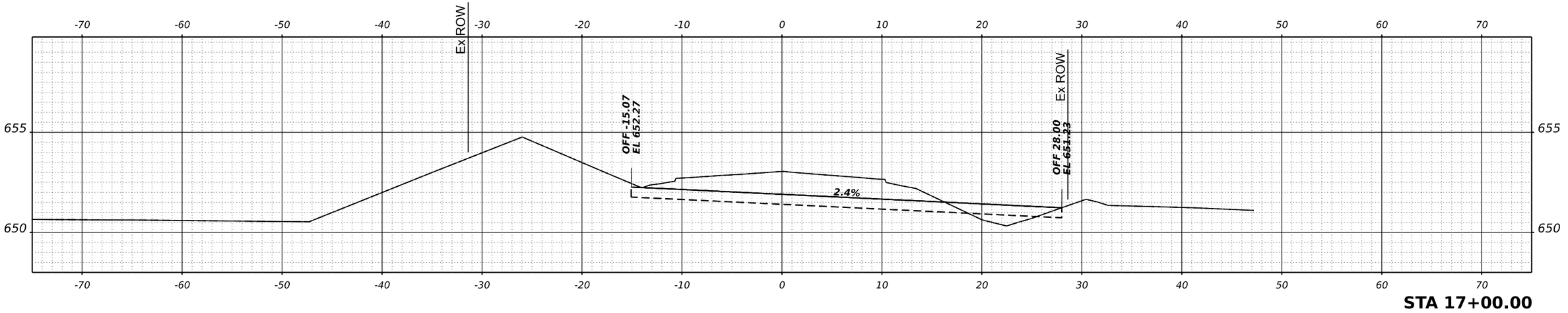
DICKSON ROAD
CROSS SECTIONS

SCALE: | SHEET 4 OF 12 SHEETS | STA. 14+50.00 | TO STA. 15+50.00

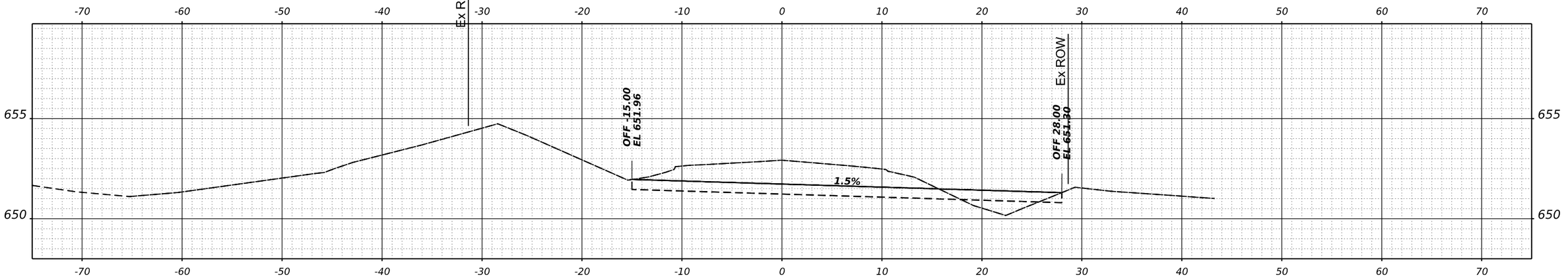
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	125
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY | FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

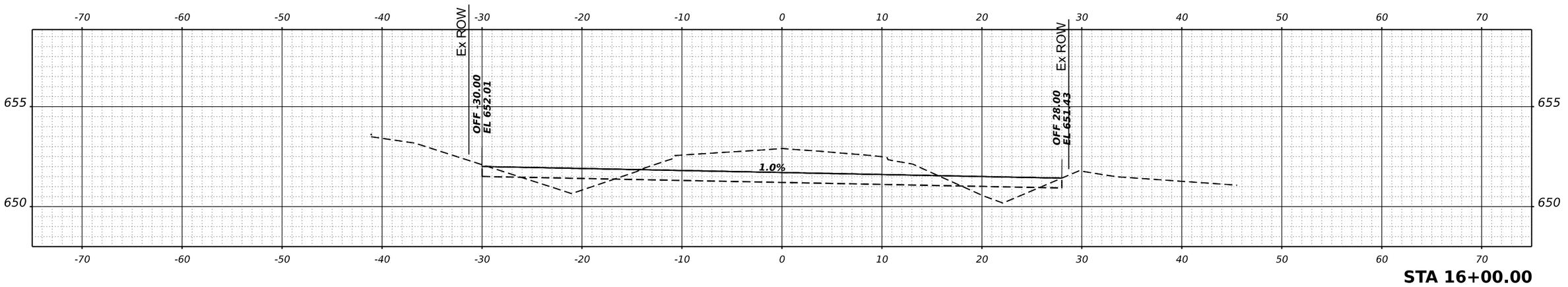
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STA 17+00.00



STA 16+50.00



STA 16+00.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
CROSS SECTIONS

SCALE: | SHEET 5 OF 12 SHEETS | STA. 16+00.00 | TO STA. 17+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	126
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

DATE	BY

MODEL: Dickson - 16+00.00 [Sheet]
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FINAL SURVEY	NOTE BOOK	NO.

DATE	BY	
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.

DATE	BY	
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: Dickson - 17+50.00 [Sheet]
FILE NAME: P:\2022\220131\Cad\02 Design\CADD Sheets\220131-sht-XS dickson.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

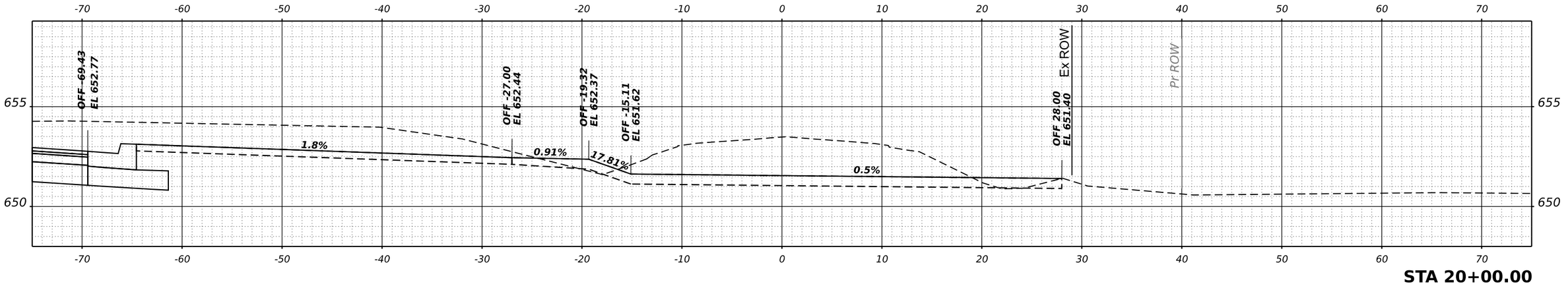
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

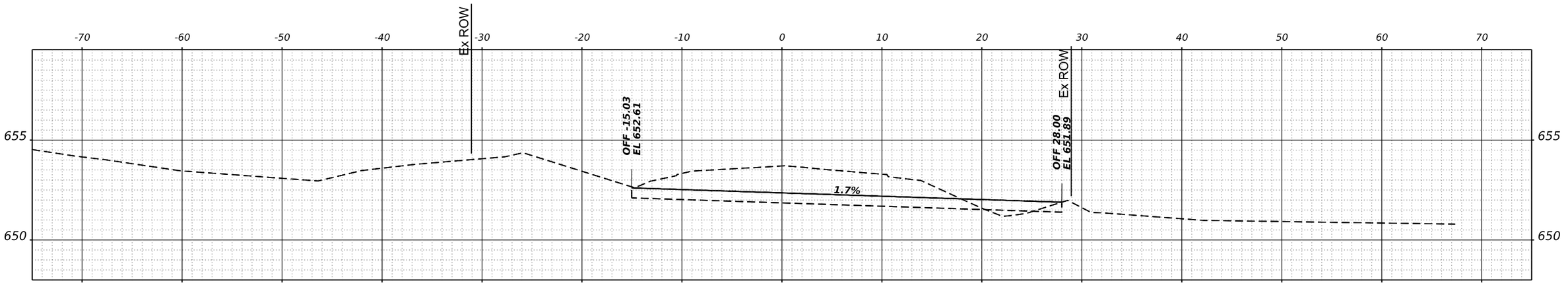
DICKSON ROAD
CROSS SECTIONS

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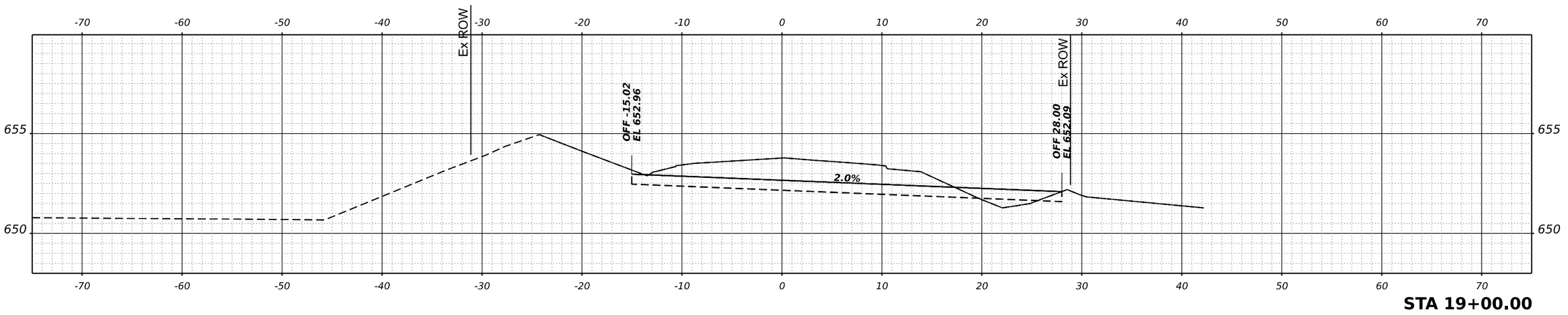
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	22-00169-00-TL	KENDALL	151	127
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		



STA 20+00.00



STA 19+50.00



STA 19+00.00

FINAL SURVEY	NOTE BOOK	NO.	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

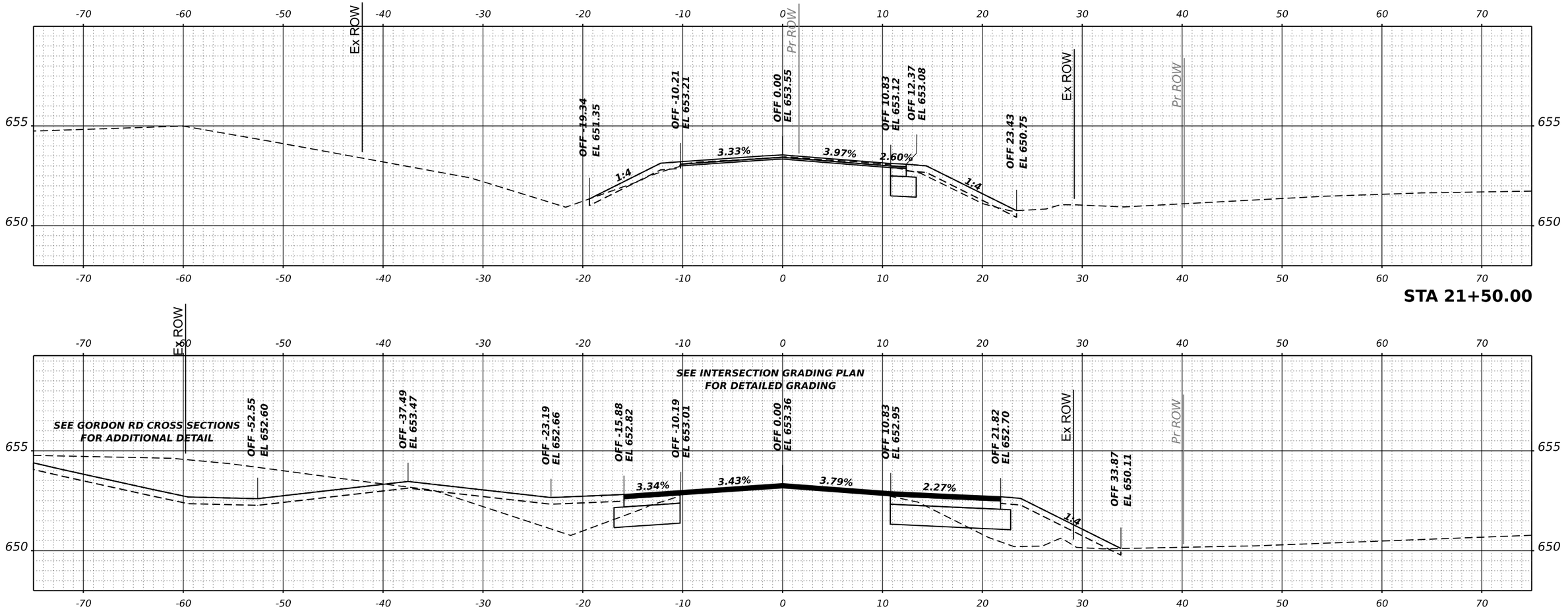
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PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
CROSS SECTIONS

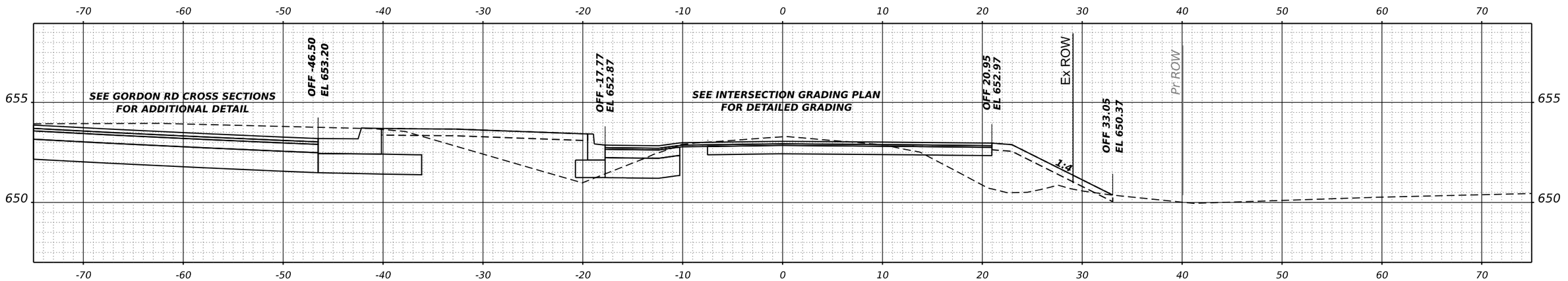
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	128
		CONTRACT NO.	N/A	
	ILLINOIS	FED. AID PROJECT		



STA 21+50.00

STA 21+00.00



STA 20+50.00

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

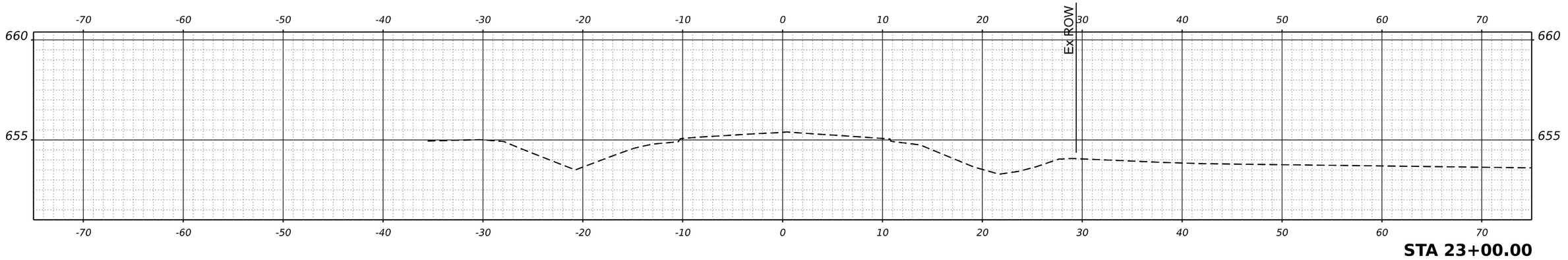
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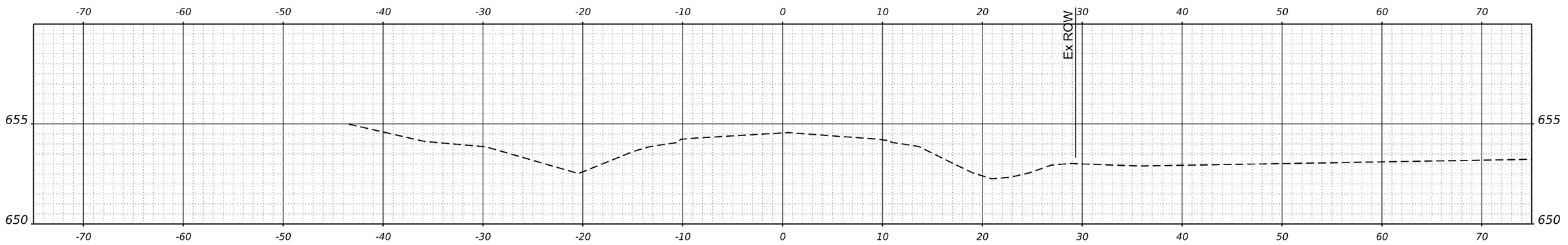
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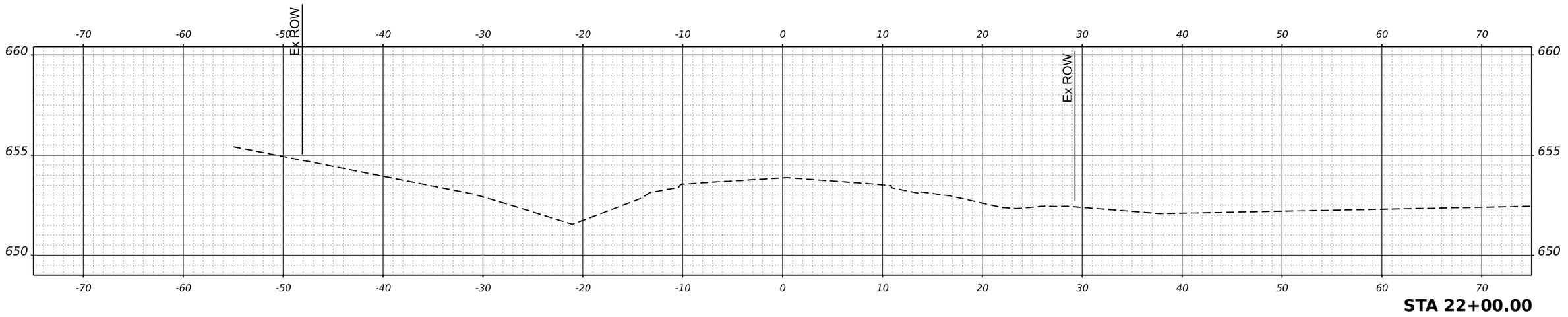
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	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY / ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
CROSS SECTIONS

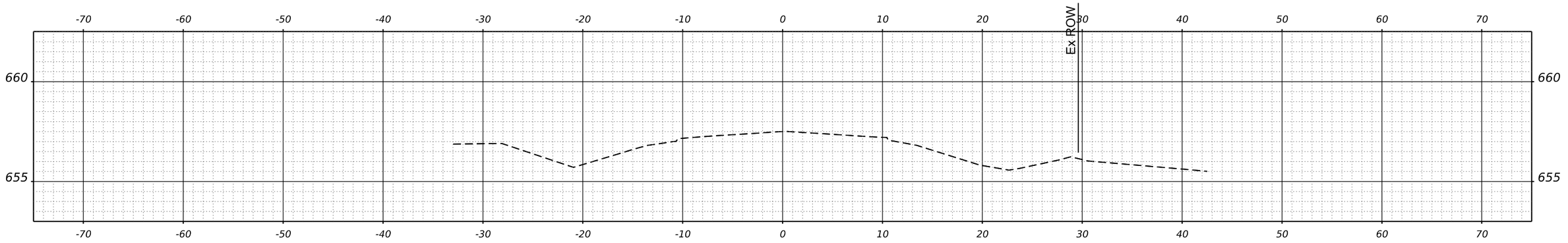
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		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

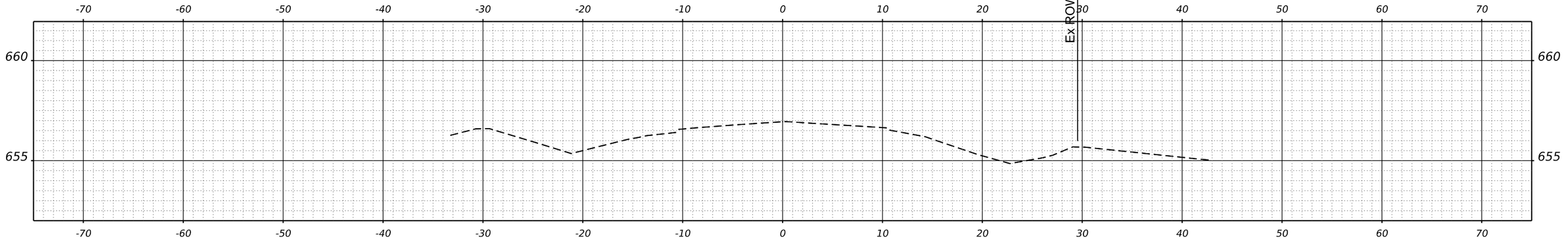
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FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

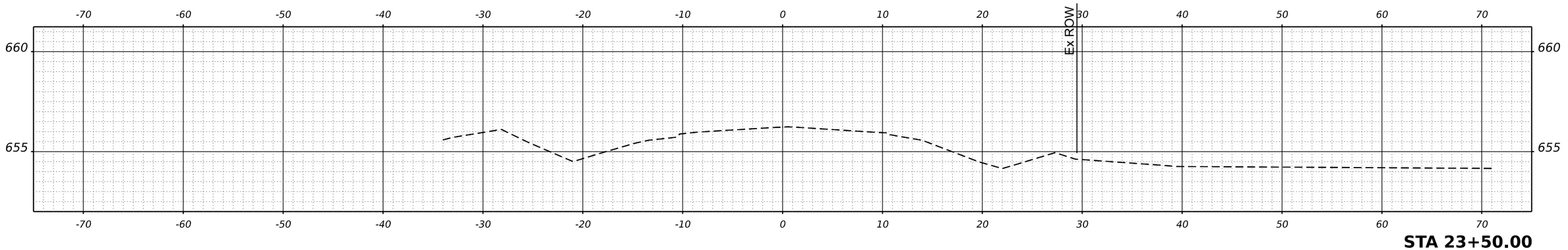
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STA 24+00.00



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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	DICKSON ROAD CROSS SECTIONS
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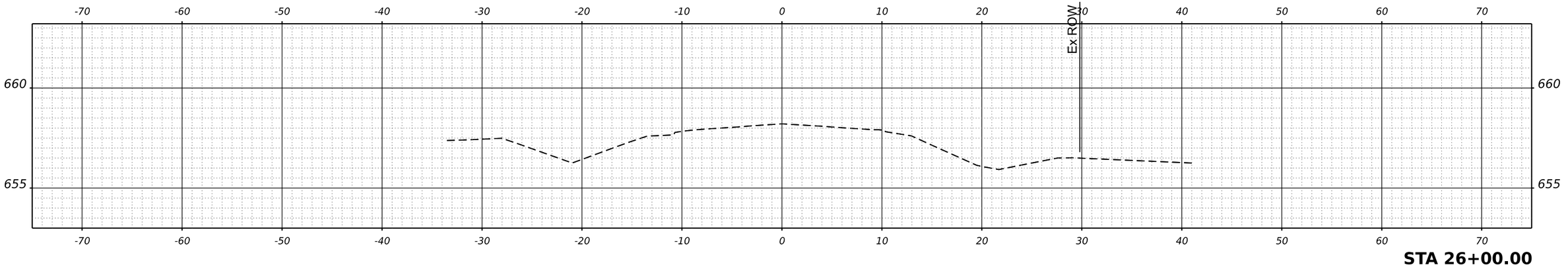
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	ILLINOIS	FED. AID PROJECT		

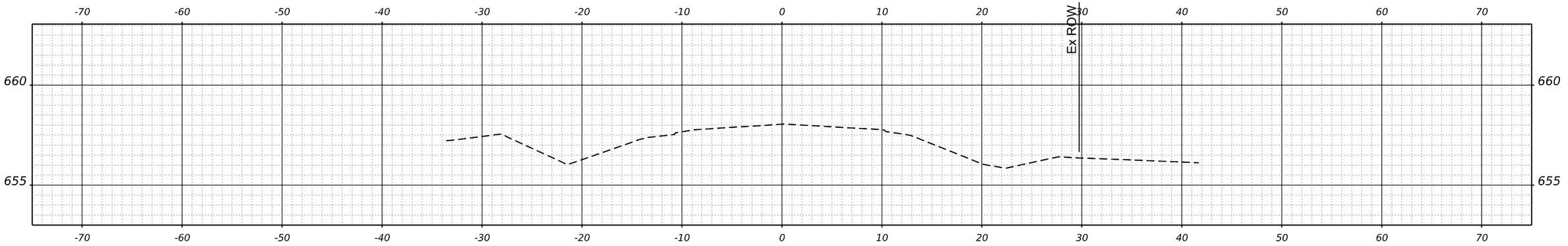
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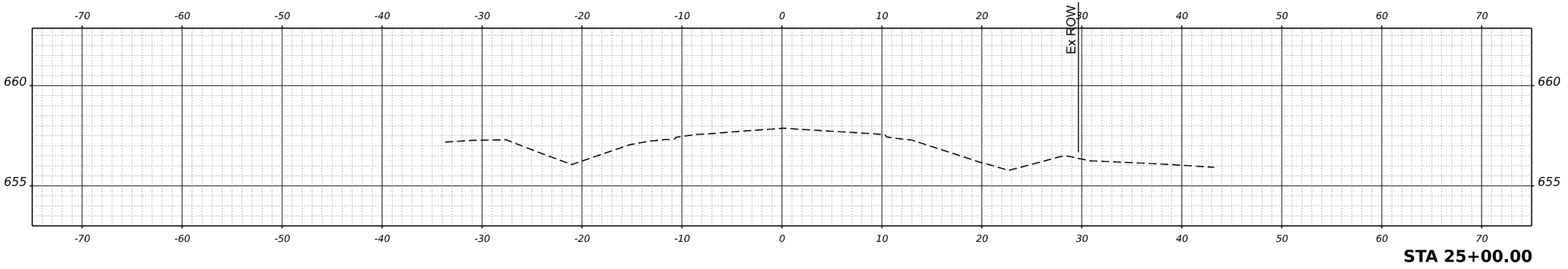
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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	PLOT DATE = 10/13/2023	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
CROSS SECTIONS

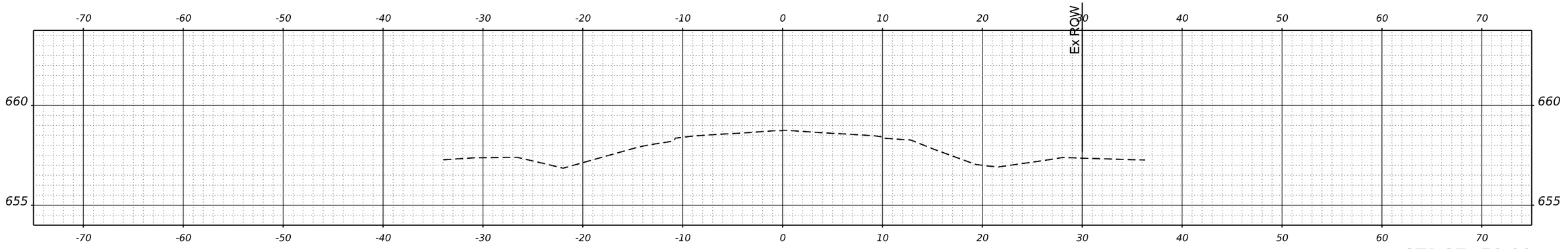
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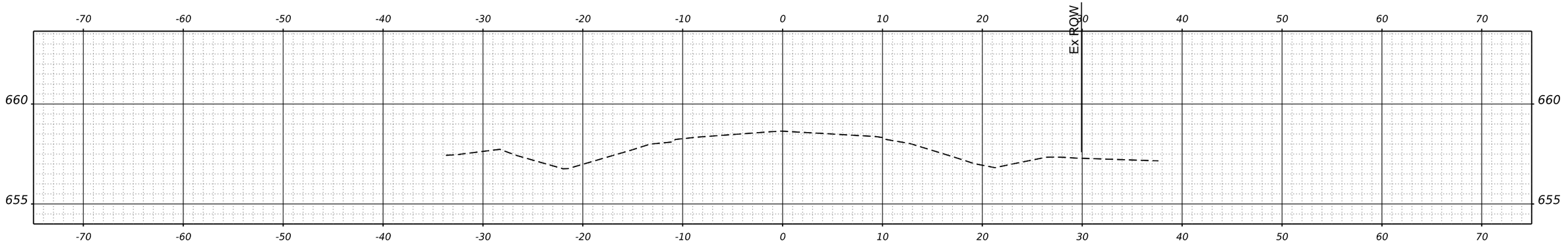
FINAL SURVEY	DATE
NOTE BOOK	BY
NO.	SURVEYED
	PLOTTED
	TEMPLATE
	AREAS
	AREAS CHECKED

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
NO.	SURVEYED
	PLOTTED
	TEMPLATE
	AREAS
	AREAS CHECKED

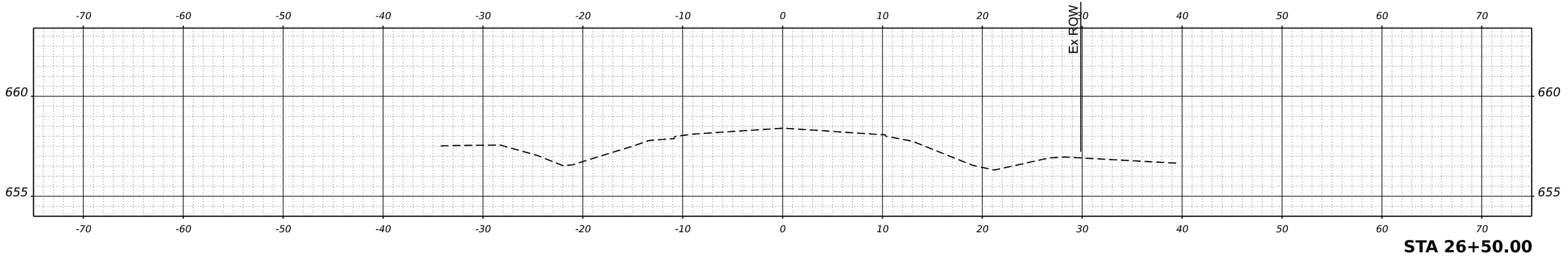
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

DICKSON ROAD
CROSS SECTIONS

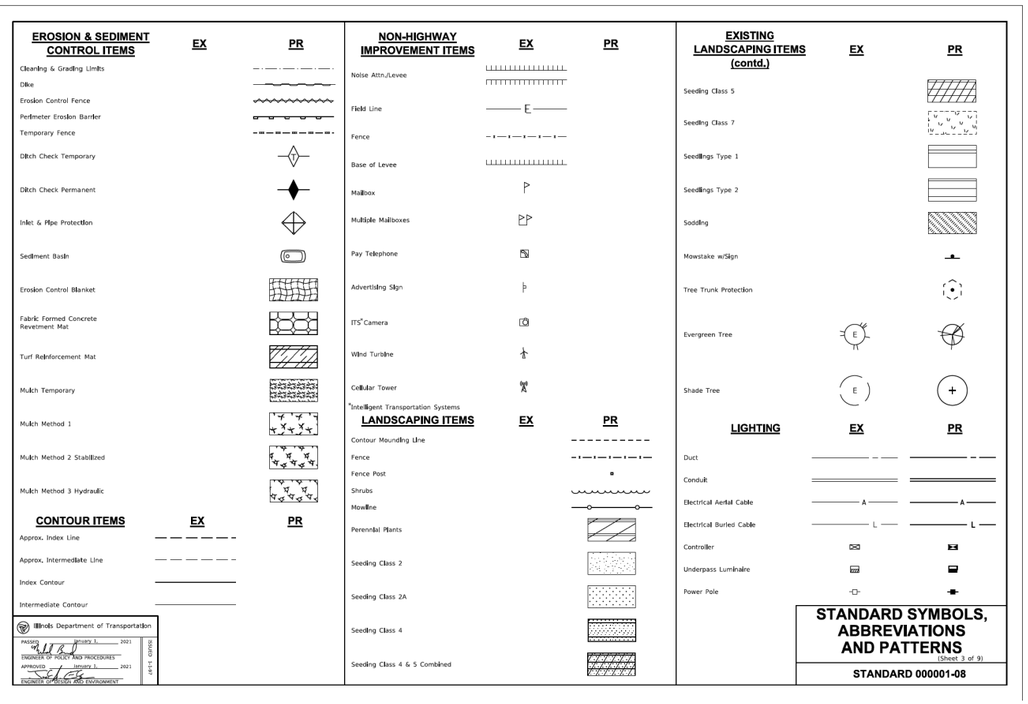
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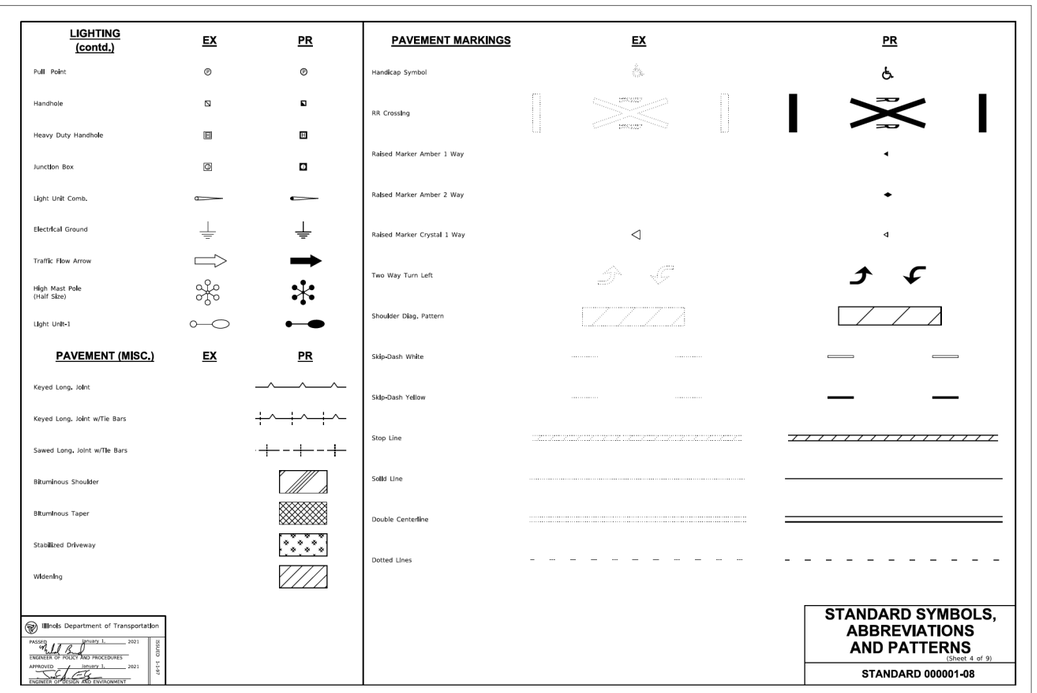
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	22-00169-00-TL	KENDALL	151	133
		CONTRACT NO. N/A		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

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HAMPTON, LENZINI AND RENWICK, INC. 350 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	134
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKINGS (contd.)

	EX	PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 80' (24.4 m) o.c.		
CL Multilane Div. RRPM 40' (12.2 m) o.c.		
CL Multilane Div. RRPM 80' (24.4 m) o.c.		
CL Multilane Div. Dbl. RRPM 80' (24.4 m) o.c.		
CL Multilane Undiv.		
Two Way Turn Left Line		
Urban Combination Left		
Urban Combination Right		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		
Urban LT & RT Turn Arrow		
Urban Thru Arrow		

RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant. Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tic		
Bituminous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF OPERATIONS AND ENVIRONMENT
BDE 000D 1-1-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 5 of 9)
STANDARD 000001-08

PAVEMENT MARKINGS (contd.)

	EX	PR
Urban U-Turn		
Urban Combined U-Turn		
Rural Combination Left		
Rural Combination Right		
Rural Left Turn Arrow		
Rural Right Turn Arrow		
Rural Left Turn Only		
Rural Right Turn Only		
Rural Thru Only		
Rural Thru Arrow		
Rural Lt & Rt Turn Arrow		
Bike Lane Symbol		
Bike Lane Text		
Bike Path Shared		
Bike Shared Roadway		
Lane Drop Symbol		
Wrong Way Arrow		

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF OPERATIONS AND ENVIRONMENT
BDE 000D 1-1-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 6 of 9)
STANDARD 000001-08

RIGHT OF WAY ITEMS (contd.)

	EX	PR
Access Control Line		AC
Access Control Line & ROW	AC	AC
Access Control Line & ROW with Fence	AC	AC
Excess ROW Line		XS

ROADWAY PLAN ITEMS

	EX	PR
Cable Barrier		
Concrete Barrier		
Edge of Pavement		
BR Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Post		
Traffic Sign		
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)		
Match Line		STA. 45+00
Slope Limit Line		
Typical Cross-Section Line		

ROADWAY PROFILES

	EX	PR
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV = L =	VPI = ELEV = L =
Ditch Profile Left Side		
Ditch Profile Right Side		
Roadway Profile Line		
Storm Sewer Profile Left Side		
Storm Sewer Profile Right Side		

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

SIGNING ITEMS (contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		DETOUR AHEAD
Left Lane Closed Ahead W20-5L(O) (Half Size)		LEFT LANE CLOSED AHEAD
Right Lane Closed Ahead W20-5R(O) (Half Size)		RIGHT LANE CLOSED AHEAD
Road Closed Ahead W20-3(O) (Half Size)		ROAD CLOSED AHEAD
Road Construction Ahead W20-1-(O) (Half Size)		ROAD CONSTRUCTION AHEAD
Single Lane Ahead (Half Size)		SINGLE LANE AHEAD
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF OPERATIONS AND ENVIRONMENT
BDE 000D 1-1-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 7 of 9)
STANDARD 000001-08

SIGNING ITEMS (contd.)

	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)		
Two Way Arrow Large W1-7-(O) (Half Size)		
Detour M4-10L-(O) (Half Size)		DETOUR
Detour M4-10R-(O) (Half Size)		DETOUR
One Way Left R6-1L (Half Size)		ONE WAY
One Way Right R6-1R (Half Size)		ONE WAY
Left Turn Lane R3-10DL (Half Size)		LEFT TURN LANE
Keep Left R4-7AL (Half Size)		KEEP LEFT
Keep Left R4-7BL (Half Size)		KEEP LEFT
Keep Right R4-7AR (Half Size)		KEEP RIGHT
Keep Right R4-7BR (Half Size)		KEEP RIGHT
Stop Here On Red R10-6-AL (Half Size)		STOP HERE ON RED
Stop Here On Red R10-6-AR (Half Size)		STOP HERE ON RED
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		ROAD CLOSED
Road Closed Thru Traffic R11-2 (Half Size)		ROAD CLOSED TO THRU TRAFFIC

STRUCTURES ITEMS

	EX	PR
Box Culvert Barrel		
Box Culvert Headwall		
Bridge Pier		
Bridge		
Retaining Wall		
Temporary Sheet Piling		

TRAFFIC SHEET ITEMS

	EX	PR
Cable Number		
Left Turn Green		G
Left Turn Yellow		Y
Signal Backplate		
Signal Section 8" (200 mm)		
Signal Section 12" (300 mm)		
Walk/Don't Walk Letters		DW W
Walk/Don't Walk Symbols		

TRAFFIC SIGNAL ITEMS

	EX	PR
Galv. Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrapole		

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF OPERATIONS AND ENVIRONMENT
BDE 000D 1-1-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 8 of 9)
STANDARD 000001-08

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	135
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gullbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV		
Video Detector System		

UNDERGROUND UTILITY ITEMS

	EX	PR	ABANDONED
Cable TV	CTV	CTV	CTV
Electric Cable	E	E	E
Fiber Optic	FO	FO	FO
Gas Pipe	G	G	G
Oil Pipe	O	O	O
Sanitary Sewer			
Telephone Cable	T	T	T
Water Pipe	W	W	W

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Monitoring Well (Gasoline)		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)

	EX	PR
Traffic Signal		
Traffic Signal Control Box		
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line	A	A

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

Illinois Department of Transportation

PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-08

Silt fence fabric. Wood post or metal stake. Wood post or metal stake. Silt fence fabric.

Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

STEP 2

ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)

J-hook Sheet flow J-hook Sheet flow 200' (60 m)

SILT FILTER J-HOOK PLACEMENT

Wood post or metal stake (typical). Continuous fence fabric. Place posts (stakes) adjacently and blind at top with wire.

J-HOOK

Top of bank. Securing pin. Filter fabric. Securing pin. 12 (300) min. 6 (150) 36 (914) min. B B

ELEVATION

* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).

Coarse aggregate. Flow 2" 1" 12 (300) 12 (300) Riprap Bottom of ditch. Securing pin. Filter fabric. 6 (150)

SECTION B-B

AGGREGATE DITCH CHECK

5' (1,5 m) A A

ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER

Wood or metal stake Fence fabric Sheet flow 12 (300) 18 (450) 4' (1.2 m)

SLICE METHOD

Wood or metal stake Fence fabric Sheet flow 12 (300) 18 (450) 4' (1.2 m) Excavate, backfill and compact trench to secure fabric. 6 (150)

TRENCH METHOD

SECTION A-A

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2013 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-21

DATE	REVISIONS
1-1-13	Corrected notation for flowline (E) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07

Flow Straw or hay bales or rolled excelsior

Flow Spacers Silt filter fence

Flow Tie down stakes Flow Flow Bale ties Straw or hay bales Flow

Silt filter fence Manhole with open grate Flow Flow Spacers

INLET AND PIPE PROTECTION

12" (300) min. 20' (6,0 m) to 30' (9,0 m) Flow ℄ Ditch 24 (600) to 6' (1,8 m)

The performance of the basin will improve if put into a series.

ELEVATION

Outlet type as directed by Engineer. 8' (2,4 m) Flow

The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN

SEDIMENT BASIN

Upside ditch Ground line prior to excavation Downside ditch Final excav. limits Temporary or finished slope

TYPICAL CUT CROSS-SECTION

Final embankment limits Temporary toe ditch Temporary toe ditch Final ditch

TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

Illinois Department of Transportation

PASSED January 1, 2013 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-21

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

STANDARD 280001-07

CLASS C

36 (900) min. A Angles not less than 60° Existing longitudinal joint 36 (900) min. C 4'-0" (1,2 m) min. D 6'-0" (1,8 m) to 12'-0" (3,6 m) max. B Angles not less than 60° Angles not less than 60°

Longitudinal joint - sawed (one operation) or formed (two operations) — **SECTION A-A**

Exist. pav't Variable — **SECTION B-B**

Exist. pav't ½ width of pav't. — **SECTION C-C**

Exist. pav't 4'-0" (1,2 m) to 6'-0" (1,8 m) — **SECTION D-D**

Sawed groove 1/4" ¼ (3) min. — **DETAIL OF SAWED CONTRACTION JOINT**

Notes:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

36 (900) min. A Angles not less than 60° 36 (900) min. C 4'-0" (1,2 m) min. D Existing longitudinal joint Variable F Variable E Variable G Angles not less than 45° Angles not less than 60°

Construction Joint — **SECTION A-A** (Built in two operations)

Exist. pav't Variable — **SECTION B-B**

Exist. pav't — **SECTION C-C**

Exist. pav't 4'-0" (1,2 m) to 6'-0" (1,8 m) — **SECTION D-D**

3'-0" (0,9 m) to 5'-0" (1,5 m) Exist. pav't — **SECTION E-E**

Construction Joint 3'-0" (0,9 m) to 5'-0" (1,5 m) 3'-0" (0,9 m) to 5'-0" (1,5 m) — **SECTION F-F** (Built in two operations)

3'-0" (0,9 m) to 5'-0" (1,5 m) Exist. pav't — **SECTION G-G**

GENERAL NOTES

Existing tie bars shall be either cut or removed. Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2008 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2008 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-21

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised Note for Class C patches.

CLASS C and D PATCHES

STANDARD 442201-03

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME	= nickp	DESIGNED	-	REVISED -
		DRAWN	-	REVISED -
PLOT SCALE	= 2.0000 ' / in.	CHECKED	-	REVISED -
PLOT DATE	= 10/13/2023	DATE	-	REVISED -

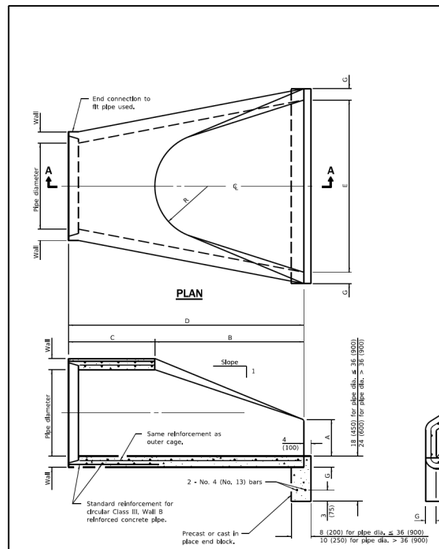
KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

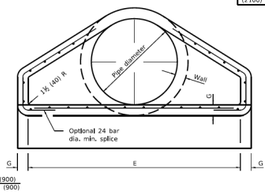
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	136
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\02 Design\CADD Sheets\220131-sht-hwy stds.dgn



SECTION A-A



END VIEW

PIPE DIA.	APPROX. QTY. lbs. (kg)	WALL	A	B	C	D	E	G	R	APPROX. SLOPE
12 (300)	530 (240)	2 (51)	4 (102)	24 (610)	4'-0 3/8" (1,241 m)	6'-0 3/8"* (1,851 m)	24 (610)	2 (51)	9 (229)	1:2.4
15 (375)	740 (335)	2 1/2 (57)	6 (152)	27 (686)	3'-10" (1,168 m)	6'-1" (1,854 m)	30 (762)	2 1/2 (57)	11 (280)	1:2.4
18 (450)	990 (450)	2 1/2 (64)	9 (229)	27 (686)	3'-10" (1,168 m)	6'-1" (1,854 m)	36 (914)	2 1/2 (64)	12 (305)	1:2.4
21 (525)	1280 (580)	2 3/4 (70)	9 (229)	35 (889)	38 (965)	6'-1" (1,854 m)	3'-6" (1,067 m)	2 3/4 (70)	13 (330)	1:2.4
24 (600)	1520 (690)	3 (76)	9 1/2 (241)	3'-7 3/8" (1,105 m)	30 (762)	6'-1 1/2"* (1,867 m)	4'-0" (1,219 m)	3 (76)	14 (356)	1:2.5
27 (675)	1930 (875)	3 1/2 (83)	10 1/2 (267)	4'-0" (1,219 m)	25 1/2 (648)	6'-1 1/2"* (1,867 m)	4'-6" (1,372 m)	3 1/2 (83)	14 1/2 (368)	1:2.4
30 (750)	2190 (995)	3 1/2 (89)	12 (305)	4'-6" (1,372 m)	19 1/2 (502)	6'-1 1/2"* (1,874 m)	5'-0" (1,524 m)	3 1/2 (89)	15 (381)	1:2.5
33 (825)	3200 (1450)	3 1/2 (95)	13 1/2 (343)	5'-1 3/8" (1,486 m)	39 1/2 (997)	8'-1 1/2"* (2,483 m)	5'-6" (1,676 m)	3 1/2 (95)	17 1/2 (445)	1:2.5
36 (900)	4100 (1860)	4 (102)	15 (381)	5'-3" (1,6 m)	34 1/2 (883)	8'-1 1/2"* (2,483 m)	6'-0" (1,829 m)	4 (102)	20 (508)	1:2.5
42 (1050)	5380 (2440)	4 1/2 (114)	21 (533)	5'-3" (1,6 m)	35 (889)	8'-2" (2,489 m)	6'-6" (1,981 m)	4 1/2 (114)	22 (559)	1:2.5
48 (1200)	6550 (2970)	5 (127)	24 (610)	6'-0" (1,829 m)	26 (660)	8'-2" (2,489 m)	7'-0" (2,134 m)	5 (127)	22 (559)	1:2.5
54 (1350)	8240 (3740)	5 1/2 (140)	27 (686)	5'-5" (1,651 m)	35 (889)	8'-4" (2,54 m)	7'-6" (2,286 m)	5 1/2 (140)	24 (610)	1:2.0
60 (1500)	8730 (3960)	6 (152)	35 (889)	5'-5" (1,524 m)	39 (991)	8'-3" (2,515 m)	8'-0" (2,438 m)	5 (127)	*	1:1.9
66 (1650)	10710 (4860)	6 1/2 (165)	30 (762)	6'-0" (1,829 m)	27 (686)	8'-3" (2,515 m)	8'-6" (2,591 m)	5 1/2 (140)	*	1:1.7
72 (1800)	12520 (5680)	7 (178)	36 (914)	6'-6" (1,981 m)	21 (533)	8'-3" (2,514 m)	9'-0" (2,743 m)	6 (152	*	1:1.8
78 (1950)	14770 (6700)	7 1/2 (191)	36 (914)	7'-6" (2,286 m)	21 (533)	9'-3" (2,819 m)	9'-6" (2,896 m)	6 1/2 (165)	*	1:1.8
84 (2100)	18160 (8240)	8 (203)	36 (914)	7'-6 1/2" (2,299 m)	21 (533)	9'-3 1/2"* (2,832 m)	10'-0" (3,048 m)	6 1/2 (165)	*	1:1.6

* Radius as furnished by manufacturer

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES

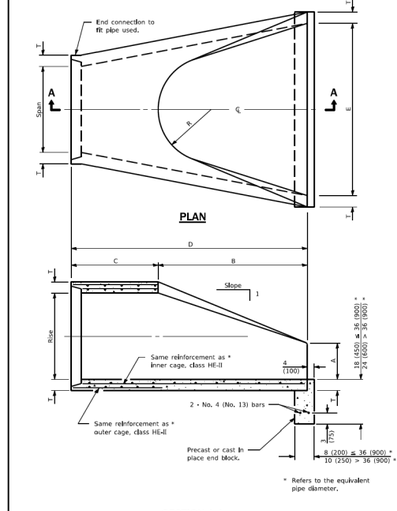
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT

BOARD 1-1-11

DATE	REVISIONS
1-1-11	Clarified ref. to pipe dia.
	on Section A-A, Changed
	"inner" to "outer" cage ref.
1-1-09	Switched units to
	English (metric).

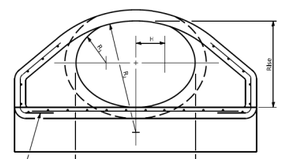
PRECAST REINFORCED CONCRETE FLARED END SECTION

STANDARD 542301-03



SECTION A-A

SPAN	RISE	EQUIV. DIA.	WALL T	A	B	C	D	E	H	R	R_1	R_2	APPROX. SLOPE
23 (584)	14 (356)	18 (450)	2 3/4 (70)	8 (203)	27 (686)	3'-9" (1,143 m)	6'-0" (1,829 m)	36 (914)	5 3/8 (137)	6 (152)	6 (152)	20 (508)	1:3,1
30 (762)	19 (483)	24 (610)	3 1/4 (83)	8 1/2 (216)	39 (991)	33 (838)	6'-0" (1,829 m)	4'-0" (1,219 m)	6 7/8 (175)	7 (178)	8 3/4 (210)	26 1/4 (667)	1:2,8
34 (864)	22 (559)	27 (675)	3 1/2 (89)	9 (229)	4'-0" (1,219 m)	24 (610)	6'-0" (1,829 m)	4'-6" (1,372 m)	7 3/4 (197)	8 (203)	9 3/4 (235)	29 3/4 (743)	1:2,9
38 (965)	24 (610)	30 (750)	3 3/4 (95)	9 1/2 (241)	4'-4" (1,372 m)	18 (475)	6'-0" (1,829 m)	5'-0" (1,524 m)	8 3/4 (219)	9 (229)	10 3/4 (260)	32 3/4 (832)	1:2,9
45 (1143)	29 (737)	36 (900)	4 1/2 (114)	11 1/4 (286)	5'-0" (1,524 m)	36 (914)	8'-0" (2,438 m)	6'-0" (1,829 m)	10 3/4 (267)	12 (305)	12 3/4 (311)	39 3/4 (997)	1:2.7
53 (1346)	34 (864)	42 (1050)	5 (127)	15 3/4 (400)	5'-0" (1,524 m)	36 (914)	8'-0" (2,438 m)	6'-6" (1,981 m)	12 3/4 (308)	13 (330)	14 3/4 (368)	3'-1 0" (1,168 m)	1:2.6
60 (1524)	38 (965)	48 (1200)	5 3/4 (140)	21 (533)	5'-0" (1,524 m)	36 (914)	8'-0" (2,438 m)	7'-0" (2,134 m)	13 3/4 (343)	14 (356)	16 3/4 (419)	4'-3 3/4" (1,308 m)	1:2.7
68 (1727)	43 (1092)	54 (1330)	6 (152)	26 (660)	5'-0" (1,524 m)	36 (914)	8'-0" (2,438 m)	7'-6" (2,286 m)	15 3/4 (387)	16 (406)	18 3/4 (476)	4'-1 0 3/4" (1,486 m)	1:2.6
76 (1930)	48 (1219)	60 (1530)	6 1/2 (165)	31 (787)	5'-0" (1,524 m)	36 (914)	8'-0" (2,438 m)	8'-0" (2,439 m)	17 3/4 (432)	18 (457)	20 3/4 (527)	5'-5 1" (1,651 m)	1:2.6



END VIEW



OPTIONAL WELDED WIRE REINFORCEMENT LAP

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED April 1, 2016 — ENGINEER OF POLICY AND PROCEDURES

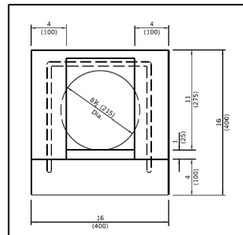
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BOARD 1-1-11

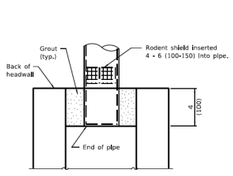
DATE	REVISIONS
4-1-16	Changed terminology to
	"welded wire reinforcement".
	Corrected min. lap dimension.
1-1-09	Switched units to
	English (metric).

PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION

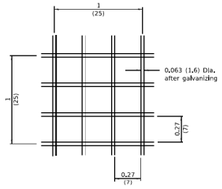
STANDARD 542306-03



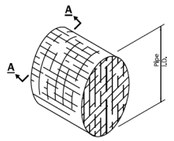
FRONT VIEW



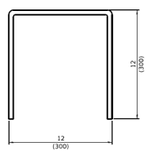
ROD ENT SHIELD PLACEMENT



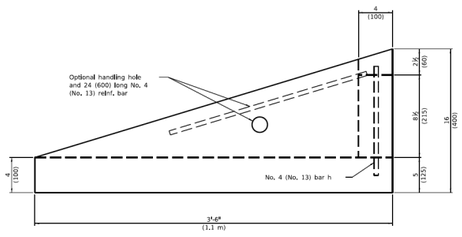
SECTION A-A



DETAIL OF RODENT SHIELD



BAR h



SIDE VIEW

GENERAL NOTES

An alternate paved flivert meeting the approval of the Engineer may be substituted for that shown in side view.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED April 1, 2016 — ENGINEER OF POLICY AND PROCEDURES

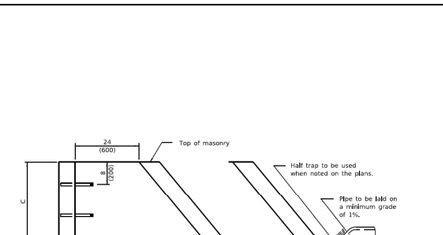
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BOARD 1-1-11

DATE	REVISIONS
4-1-16	Renamed standard to be
	consistent with specs and
	other standards.
1-1-09	Switched units to
	English (metric).

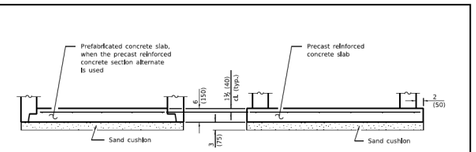
CONCRETE HEADWALL FOR PIPE UNDERDRAINS

STANDARD 601101-02



ELEVATION (Standard Outlet)

ELEVATION (Half Trap)



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1,2 m)	30 (750)	5 (125)
	5'-0" (1,5 m)	3'-9" (1,15 m)	5 (125)
Brick Masonry	4'-0" (1,2 m)	30 (750)	8 (200)
	5'-0" (1,5 m)	3'-9" (1,15 m)	8 (200)
Precast Reinforced Concrete Section	4'-0" (1,2 m)	30 (750)	4 (100)
	5'-0" (1,5 m)	3'-9" (1,15 m)	5 (125)
Cast-in-place Concrete	4'-0" (1,2 m)	30 (750)	6 (150)
	5'-0" (1,5 m)	3'-9" (1,15 m)	6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0,20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT

BOARD 1-1-11

DATE	REVISIONS
1-1-11	Added "Outside" to half trap
	note. Detail reinf. in slabs.
	Revised general notes.
1-1-09	Switched units to
	English (metric).

CATCH BASIN TYPE A

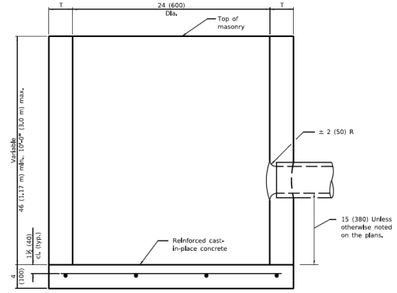
STANDARD 602001-02

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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD IDOT HIGHWAY STANDARDS
		DRAWN -	REVISED -		
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	PLOT DATE = 10/13/2023	DATE -	REVISED -		

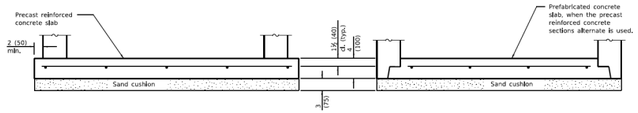
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	137
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



ELEVATION

ALTERNATE MATERIALS FOR WALLS	T (min)
Precast Reinforced Concrete Section	3 (75)
Concrete Masonry Unit	5 (125)
Cast-in-Place Concrete	6 (150)
Brick Masonry	8 (200)



ALTERNATE BOTTOM SLAB

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.27 sq. in./ft. (570 sq. mm/m) in both directions with a maximum spacing of 9 (230).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES

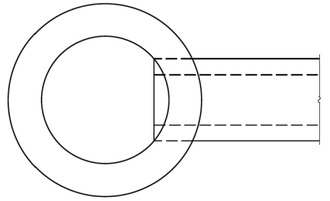
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

DATE	REVISIONS
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.
1-1-09	Switched units to
	English (metric).

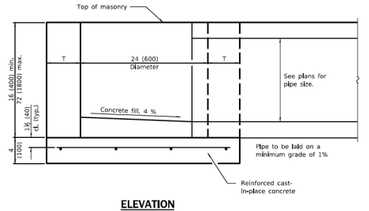
CATCH BASIN TYPE C

STANDARD 602011-02

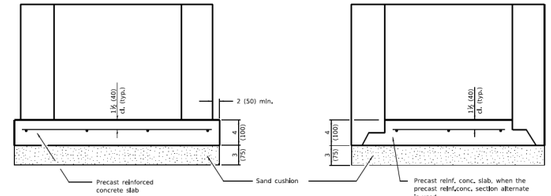


PLAN

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ELEVATION



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2014 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT

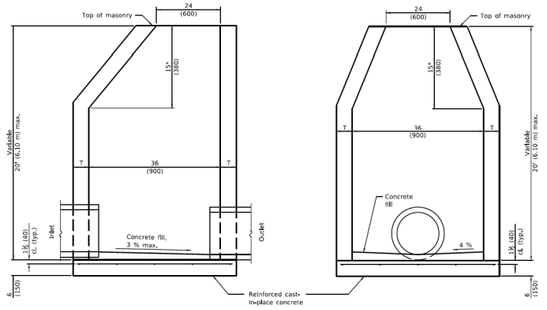
BDE 5-24

DATE	REVISIONS
1-1-14	Increased height to
	72 (1800) maximum.
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.

INLET - TYPE A

STANDARD 602301-04

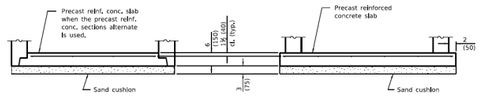
* For precast reinforced concrete sections, this dimension may vary from the dimension given to plus 6 (150).



ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC

ALTERNATE MATERIALS FOR WALLS	T (min.)
Concrete Masonry Unit	5 (125)
Brick Masonry	8 (200)
Precast Reinforced Concrete Section	3 (75)
Cast-in-Place Concrete	6 (150)



ALTERNATE BOTTOM SLAB

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft. (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional Precast Reinforced Concrete Flat Slab Top.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES

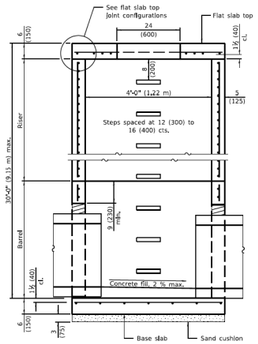
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

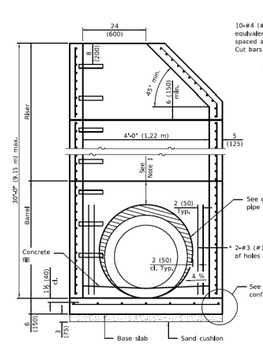
DATE	REVISIONS
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Revised general notes.
1-1-09	Switched units to
	English (metric).

INLET - TYPE B

STANDARD 602306-03

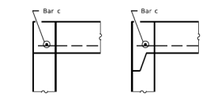


SECTION PARALLEL TO PIPE
(Without conical top riser)



SECTION PERPENDICULAR TO PIPE
(With conical top riser)

* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).

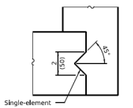
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.

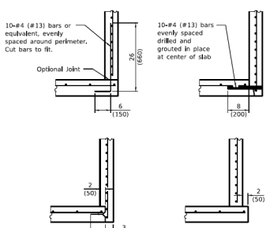
Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.

Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).

Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)



BASE SLAB JOINT CONFIGURATIONS

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

Illinois Department of Transportation

PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole
	general note.
3-1-19	Moved wall reinforcement from
	inside face to middle.

PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
(Sheet 1 of 2)

STANDARD 602401-07

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

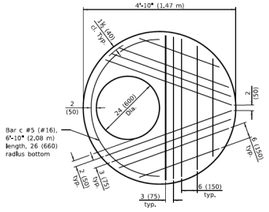
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PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

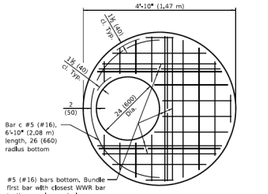
GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

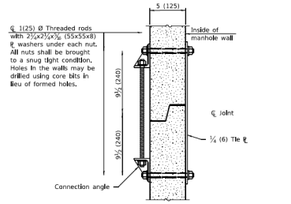
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	22-00169-00-TL	KENDALL	151	138
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



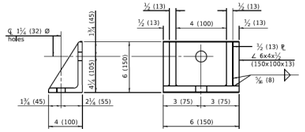
PLAN - FLAT SLAB TOP
(Showing layout of reinforcement bars and c bars)



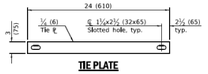
PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Bottom Mat	** 0,62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#5 (#16)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A_s (min.)	Spacing (max.)
Riser	Circumferential	0,12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0,045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0,12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0,16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6,10 m)	0,24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6,10 m)	0,24 sq. in./ft. (508 sq. mm/m)	10 (250)

Illinois Department of Transportation

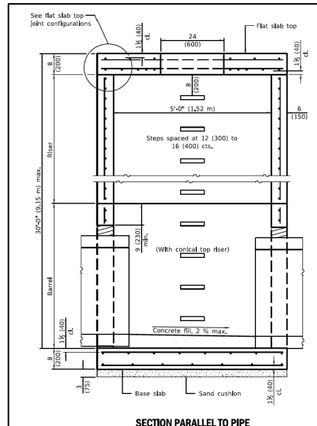
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF BUREAU OF ENVIRONMENT

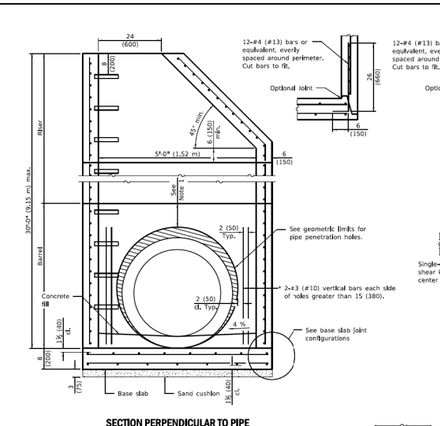
BD600 3-24-21

PRECAST MANHOLE TYPE A
4' (1.22 m) DIAMETER
(Sheet 2 of 2)

STANDARD 602401-07

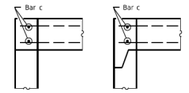


SECTION PARALLEL TO PIPE
(Without conical top riser)



SECTION PERPENDICULAR TO PIPE
(With conical top riser)

BASE SLAB JOINT CONFIGURATIONS



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 32 (810).

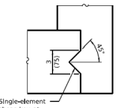
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.

Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.

Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).

Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

Illinois Department of Transportation

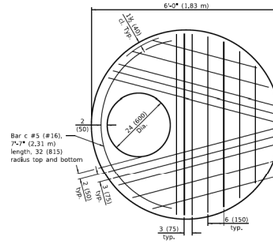
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF BUREAU OF ENVIRONMENT

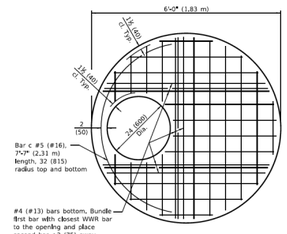
BD600 3-24-21

PRECAST MANHOLE TYPE A
5' (1.52 m) DIAMETER
(Sheet 1 of 2)

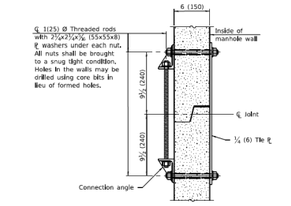
STANDARD 602402-03



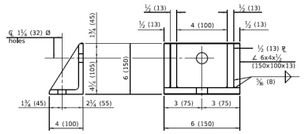
PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)



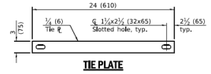
PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Top Mat	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	** 0,40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#4 (#13)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A_s (min.)	Spacing (max.)
Riser	Circumferential	0,15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0,045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0,15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0,16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6,10 m)	0,24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6,10 m)	0,28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	All	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)

Illinois Department of Transportation

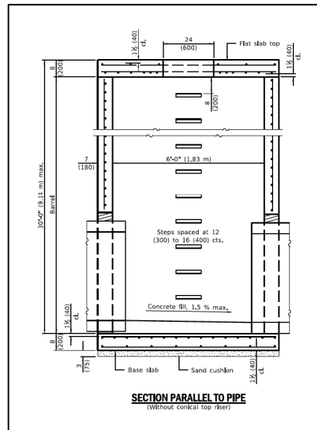
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF BUREAU OF ENVIRONMENT

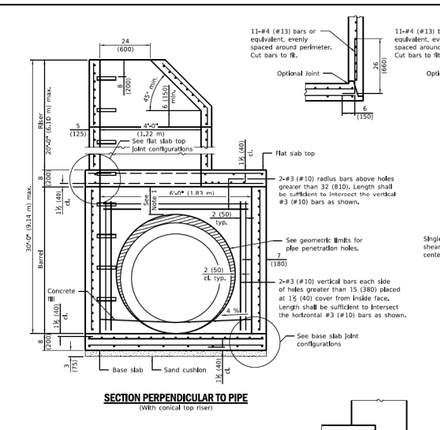
BD600 3-24-21

PRECAST MANHOLE TYPE A
5' (1.52 m) DIAMETER
(Sheet 2 of 2)

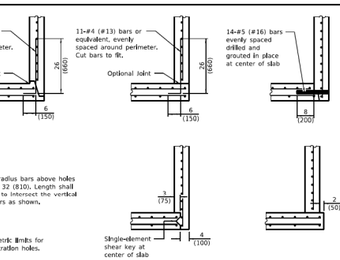
STANDARD 602402-03



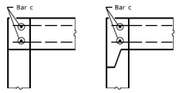
SECTION PARALLEL TO PIPE
(Without conical top riser)



SECTION PERPENDICULAR TO PIPE
(With conical top riser)



BASE SLAB JOINT CONFIGURATIONS



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 32 (810).

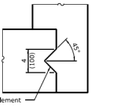
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.

Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.

Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).

Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

GENERAL NOTES

Pipe holes shall be formed to facilitate proper placement of hole reinforcement.

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1, Note 2 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

Illinois Department of Transportation

PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF BUREAU OF ENVIRONMENT

BD600 3-24-21

PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 1 of 3)

STANDARD 602406-11

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

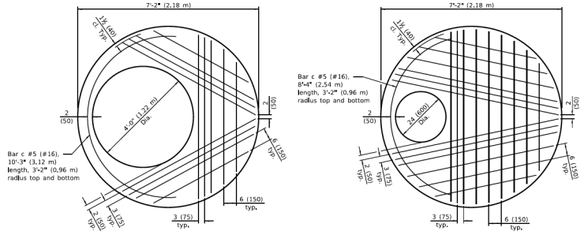
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PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

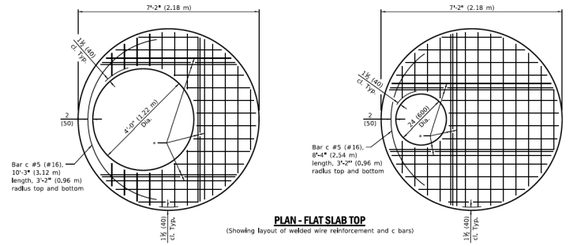
GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	139
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)

* #5 (#16) bars for risers ≤ 10 ft. (3.05 m) tall or #6 (#19) bars for risers > 10 ft. (3.05 m) tall bottom. Bundle first bar with closest WWR bar to the opening and place second bar ≤3 (75) away.

Illinois Department of Transportation

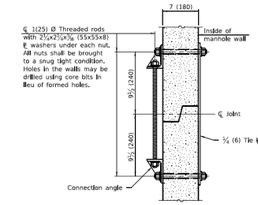
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021 — ENGINEER OF BUREAU OF LOCAL ENVIRONMENT

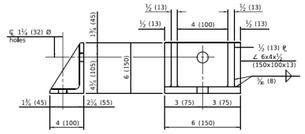
BLOCK 1 of 2

PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 2 of 3)

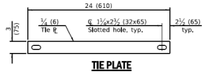
STANDARD 602406-11



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	Riser Height (RH)	WWR (each direction)		Rebar (each direction except as noted)		
		A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Top Mat	All	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	RH ≤ 10 ft. (3,05 m)	** 0,62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size.		#5 (#16)
	RH > 10 ft. (3,05 m)	** 0,88 sq. in./ft. (1863 sq. mm/m)	6 (150)			#6 (#19)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A_s (min.)	Spacing (max.)
4 ft. (1.22 m) Ø Riser	Circumferential	0,12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0,045 sq. in./ft. (95 sq. mm/m)	8 (200)
6 ft. (1.83 m) Ø Barrel	Circumferential	0,18 sq. in./ft. (381 sq. mm/m)	6 (150)
	Vertical	0,045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

Location	Riser Height (RH)/ Total Height (TH)	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	RH ≤ 10 ft. (3,05 m) & TH ≤ 20 ft. (6,10 m)	0,28 sq. in./ft. (593 sq. mm/m)	6 (150)
	RH > 10 ft. (3,05 m) or TH > 20 ft. (6,10 m)	0,40 sq. in./ft. (847 sq. mm/m)	6 (150)
Bottom Mat	All	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)

Illinois Department of Transportation

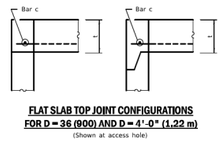
PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019 — ENGINEER OF BUREAU OF LOCAL ENVIRONMENT

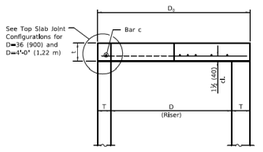
BLOCK 1 of 2

PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 3 of 3)

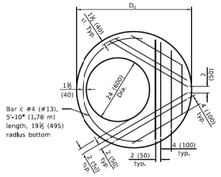
STANDARD 602406-11



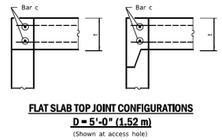
FLAT SLAB TOP JOINT CONFIGURATIONS
FOR D = 36 (900) AND D = 4'-0" (1.22 m)
(Shown at access hole)



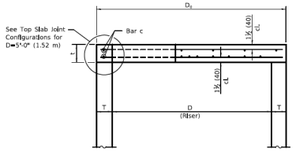
SECTION THRU FLAT SLAB TOP
FOR D = 36 (900) AND D = 4'-0" (1.22 m)



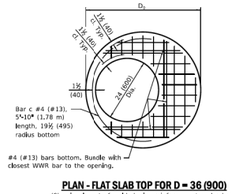
PLAN - FLAT SLAB TOP FOR D = 36 (900)
(Showing layout of reinforcement bars and c bars)



FLAT SLAB TOP JOINT CONFIGURATIONS
D = 5'-0" (1.52 m)
(Shown at access hole)



SECTION THRU FLAT SLAB TOP
FOR D = 5'-0" (1.52 m)



PLAN - FLAT SLAB TOP FOR D = 36 (900)
(Showing layout of welded wire reinforcement and c bars)

TABLE

D	T	D_1 (min.)	t
36 (900)	See Applicable Standards	4'-2" (1,27 m)	5 (150)
4'-0" (1,2 m)			6 (150)
5'-0" (1,5 m)			8 (200)

GENERAL NOTES

The flat slab top may be used in lieu of the tapered tops shown on Standards 602001, 602016, or 602306 at the option of the Contractor or when field conditions prohibit the use of tapered tops.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Expanded / refined reinforcement options.
1-1-18	Revised for compliance with LRFD.

Illinois Department of Transportation

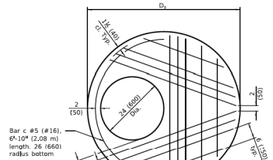
PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019 — ENGINEER OF BUREAU OF LOCAL ENVIRONMENT

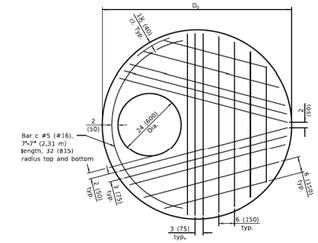
BLOCK 1 of 2

PRECAST REINFORCED CONCRETE FLAT SLAB TOP
(Sheet 1 of 2)

STANDARD 602601-06



PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of bottom reinforcement bars and c bars)

FLAT SLAB TOP REINFORCEMENT FOR D = 36 (900)

Location	WWR (each direction)		Rebar		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Bottom Mat	* 0,60 sq. in./ft. (1270 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size.		#4 (#13)

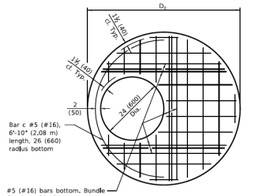
FLAT SLAB TOP REINFORCEMENT FOR D = 4'-0" (1.22 m)

Location	WWR (each direction)		Rebar		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Bottom Mat	* 0,62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size.		#5 (#16)

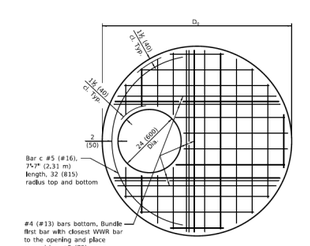
FLAT SLAB TOP REINFORCEMENT FOR D = 5'-0" (1.52 m)

Location	WWR (each direction)		Rebar (each direction except as noted)		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Top Mat	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)	0,11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	* 0,40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size.		#4 (#13)

* Only one layer of WWR permitted to avoid congestion.



PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of welded wire reinforcement and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of welded wire reinforcement and c bars)

Illinois Department of Transportation

PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019 — ENGINEER OF BUREAU OF LOCAL ENVIRONMENT

BLOCK 1 of 2

PRECAST REINFORCED CONCRETE FLAT SLAB TOP
(Sheet 2 of 2)

STANDARD 602601-06

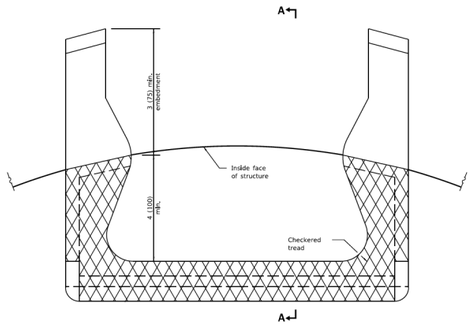
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD IDOT HIGHWAY STANDARDS
		DRAWN -	REVISED -		
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	PLOT DATE = 10/13/2023	DATE -	REVISED -		

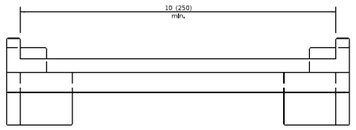
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

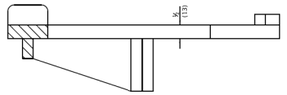
CAST IRON STEPS



PLAN VIEW



ELEVATION VIEW



SECTION A-A

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 1-1-09

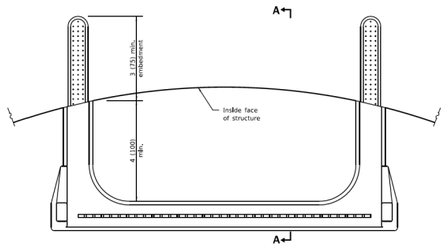
DATE	REVISIONS
1-1-09	Switched units to English (metric).
4-1-06	Revised title, drawings, and added plastic steps on sheet 2.

MANHOLE STEPS

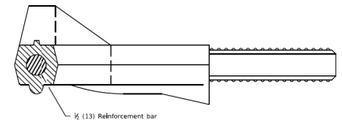
(Sheet 1 of 2)

STANDARD 602701-02

PLASTIC STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES

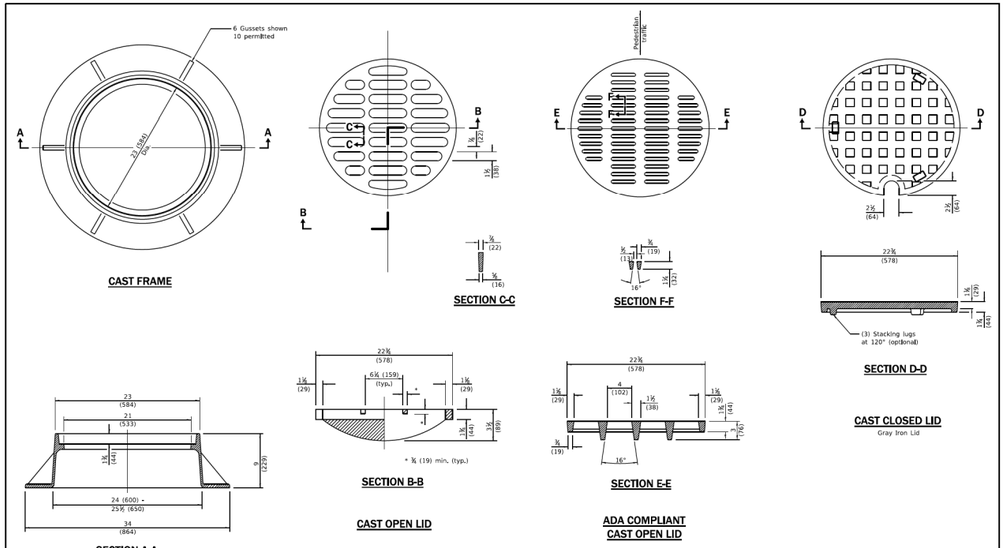
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 1-1-09

MANHOLE STEPS

(Sheet 2 of 2)

STANDARD 602701-02



CAST FRAME

SECTION C-C

SECTION F-F

SECTION D-D

CAST CLOSED LID
Gray Iron Lid

SECTION B-B

CAST OPEN LID

SECTION E-E

ADA COMPLIANT CAST OPEN LID

SECTION A-A
Gray Iron

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2020
ENGINEER OF POLICY AND PROCEDURES

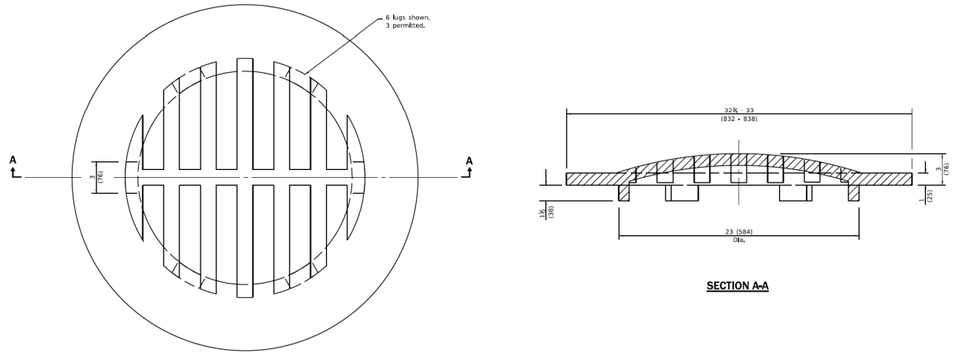
APPROVED January 1, 2020
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 1-1-20

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame, Added ADA compliant open lid.
1-1-09	Switched units to English (metric).

FRAME AND LIDS TYPE 1

STANDARD 604001-05



CAST GRATE

SECTION A-A

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

BDE 1-1-15

DATE	REVISIONS
1-1-15	Revised dimensions.
1-1-09	Switched units to English (metric).

GRATE TYPE 8

STANDARD 604036-03

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

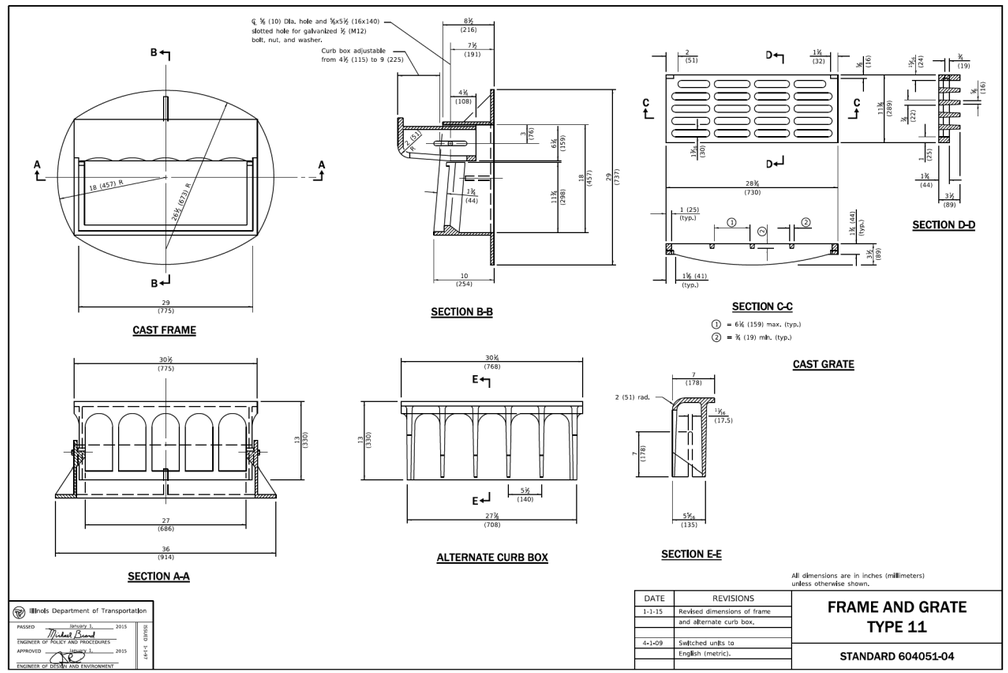
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PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	141
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



CAST FRAME

SECTION B-B

SECTION C-C

① = 6¼ (159) max. (typ.)
② = ⅝ (19) min. (typ.)

SECTION D-D

CAST GRATE

SECTION A-A

ALTERNATE CURB BOX

SECTION E-E

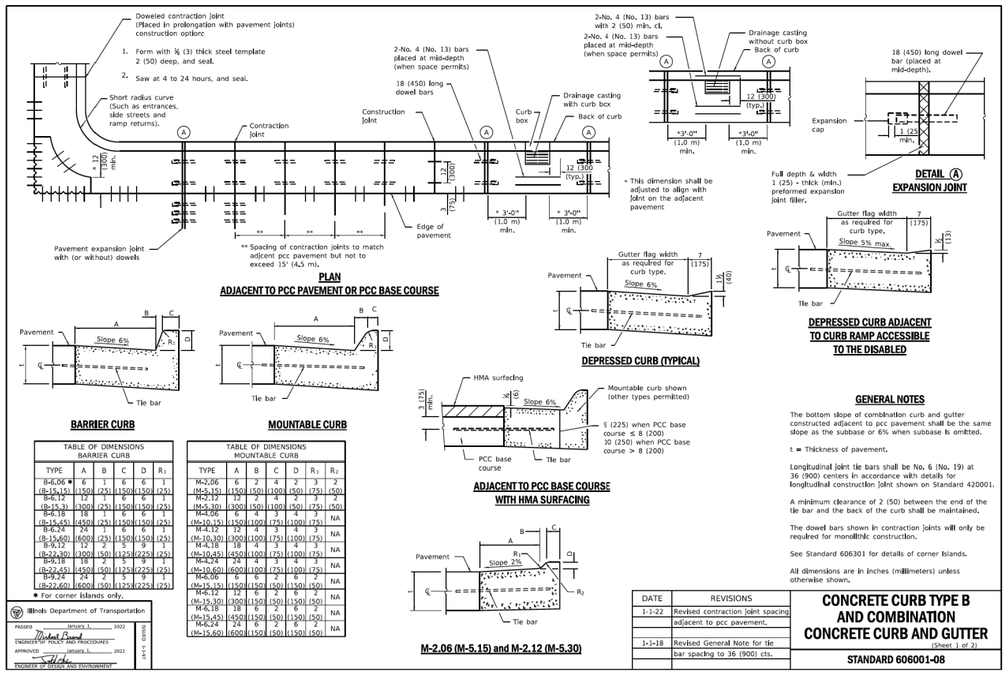
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Revised dimensions of frame and alternate curb box.
4-1-09	Switched units to English (metric).

FRAME AND GRATE TYPE 11

STANDARD 604051-04

Illinois Department of Transportation
PASSED January 1, 2015 — ENGINEER OF POLICY AND PROCEDURES — Michael Brand
APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 5-24-1 (D)BD



PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

DETAIL Ⓐ
EXPANSION JOINT

DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED

DEPRESSED CURB (TYPICAL)

BARRIER CURB

MOUNTABLE CURB

TABLE OF DIMENSIONS BARRIER CURB						
TYPE	A	B	C	D	R_1	
B-6,06 ●	6	1	6	6	1	
(B-15,15)	(150)	(25)	(150)	(150)	(25)	
B-6,12	12	1	6	6	1	
(B-15,30)	(300)	(25)	(150)	(150)	(25)	
B-6,18	18	1	6	6	1	
(B-15,45)	(450)	(25)	(150)	(150)	(25)	
B-6,24	24	1	6	6	1	
(B-15,60)	(600)	(25)	(150)	(150)	(25)	
B-9,12	12	2	5	9	1	
(B-22,30)	(300)	(50)	(125)	(225)	(25)	
B-9,18	18	2	5	9	1	
(B-22,45)	(450)	(50)	(125)	(225)	(25)	
B-9,24	24	2	5	9	1	
(B-22,60)	(600)	(50)	(125)	(225)	(25)	

● For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB						
TYPE	A	B	C	D	R_1	R_2
M-2,06	6	2	4	2	3	2
(M-5,15)	(150)	(50)	(100)	(50)	(75)	(50)
M-2,12	12	2	4	2	3	2
(M-5,30)	(300)	(50)	(100)	(50)	(75)	(50)
M-4,06	6	4	2	4	3	NA
(M-10,15)	(150)	(100)	(75)	(100)	(75)	
M-4,12	12	4	3	4	3	NA
(M-10,30)	(300)	(100)	(75)	(100)	(75)	
M-4,18	18	4	3	4	3	NA
(M-10,45)	(450)	(100)	(75)	(100)	(75)	
M-4,24	24	4	3	4	3	NA
(M-10,60)	(600)	(100)	(75)	(100)	(75)	
M-6,06	6	6	2	6	2	NA
(M-15,15)	(150)	(150)	(50)	(150)	(50)	
M-6,12	12	6	2	6	2	NA
(M-15,30)	(300)	(150)	(50)	(150)	(50)	
M-6,18	18	6	2	6	2	NA
(M-15,45)	(450)	(150)	(50)	(150)	(50)	
M-6,24	24	6	2	6	2	NA
(M-15,60)	(600)	(150)	(50)	(150)	(50)	

ADJACENT TO PCC BASE COURSE WITH HMA SURFACING

M-2.06 (M-5.15) and M-2.12 (M-5.30)

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

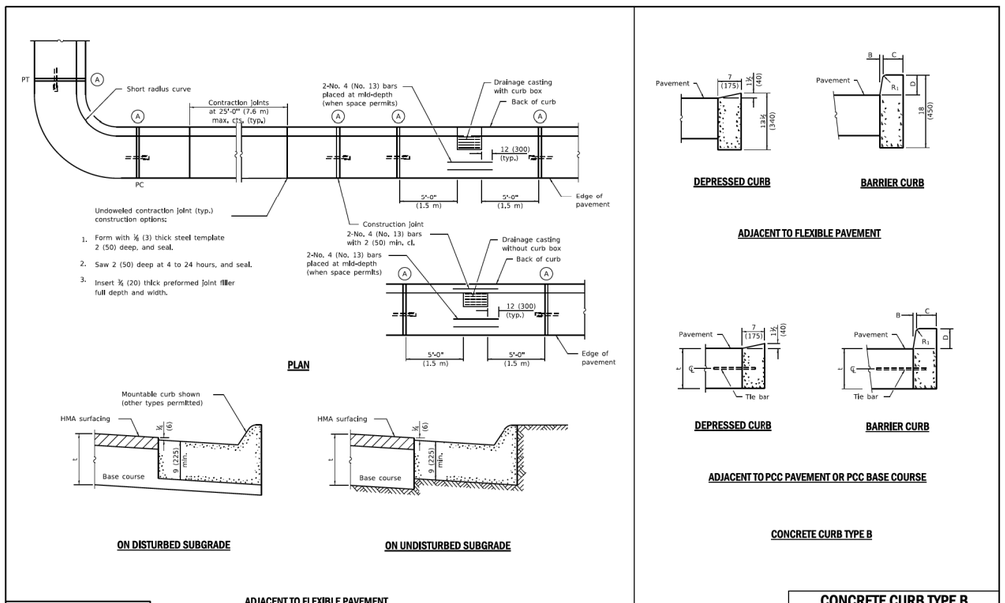
DATE	REVISIONS
1-1-22	Revised contraction joint spacing.
	adjacent to pcc pavement.
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.
	Revised General Note for tie bar spacing to 36 (900) cts.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 1 of 2)

STANDARD 606001-08

Illinois Department of Transportation
PASSED January 1, 2022 — ENGINEER OF POLICY AND PROCEDURES — Michael Brand
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 5-24-1 (D)BD



PLAN

ON DISTURBED SUBGRADE

ON UNDISTURBED SUBGRADE

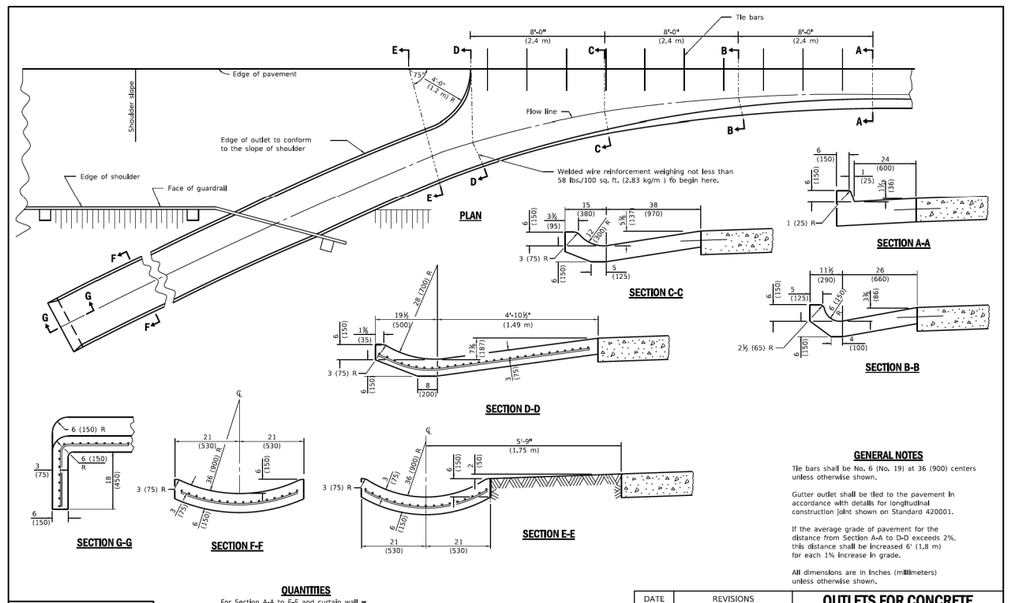
ADJACENT TO FLEXIBLE PAVEMENT

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 2 of 2)

STANDARD 606001-08

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES — Michael Brand
APPROVED January 1, 2022 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 5-24-1 (D)BD



QUANTITIES

For Section A-A to E-E and curtain wall =

2,38 cu. yds. (1,82 m³) concrete for 9 (225) pav't.
2,41 cu. yds. (1,84 m³) concrete for 10 (250) pav't.

For Section F-F =

0,069 cu. yds. (0,17 m³) concrete per ft. (m)

GENERAL NOTES

Tie bars shall be No. 6 (No. 19) at 36 (900) centers unless otherwise shown.

Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 6' (1,8 m) for each 1% increase in grade.

All dimensions are in Inches (millimeters) unless otherwise shown.

STANDARD OUTLET

DATE	REVISIONS
1-1-18	Revised General Notes for tie bar spacing to 36 (900) cts.
4-1-16	Changed terminology to 'welded wire reinforcement'.

OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)

(Sheet 1 of 2)

STANDARD 606006-04

Illinois Department of Transportation
PASSED January 1, 2018 — ENGINEER OF POLICY AND PROCEDURES — Michael Brand
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT — Thomas J. Rickert
BDE 5-24-1 (D)BD

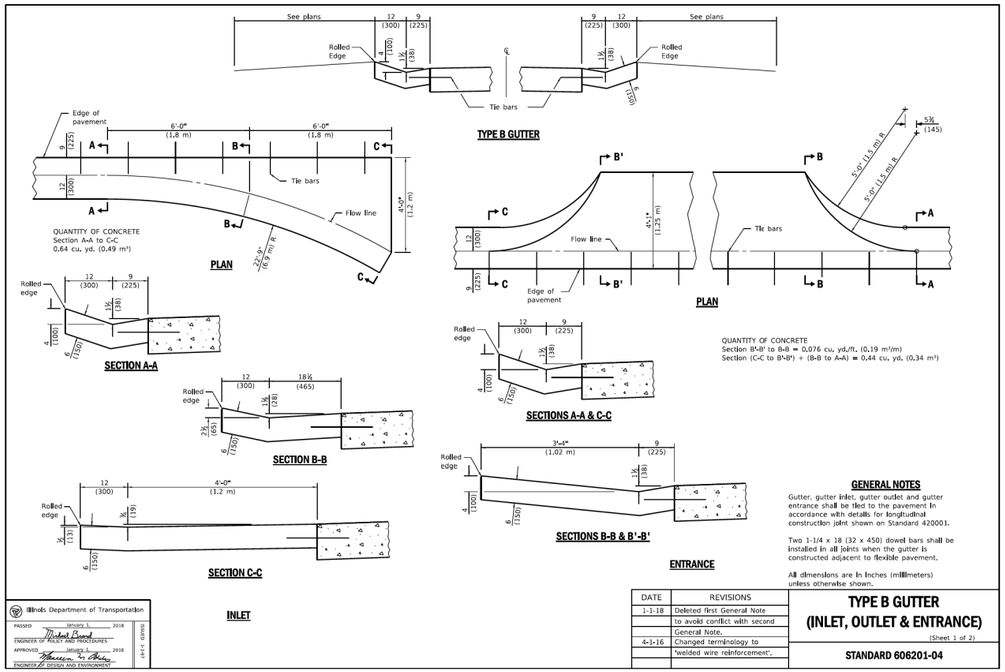
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		DRAWN -	REVISED -	
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	PLOT DATE = 10/13/2023	DATE -	REVISED -	

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	142
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



GENERAL NOTES

Gutter, gutter inlet, gutter outlet and gutter entrance shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

Two 1-1/4 x 18 (32 x 450) dowel bars shall be installed in all joints when the gutter is constructed adjacent to flexible pavement.

All dimensions are in Inches (millimeters) unless otherwise shown.

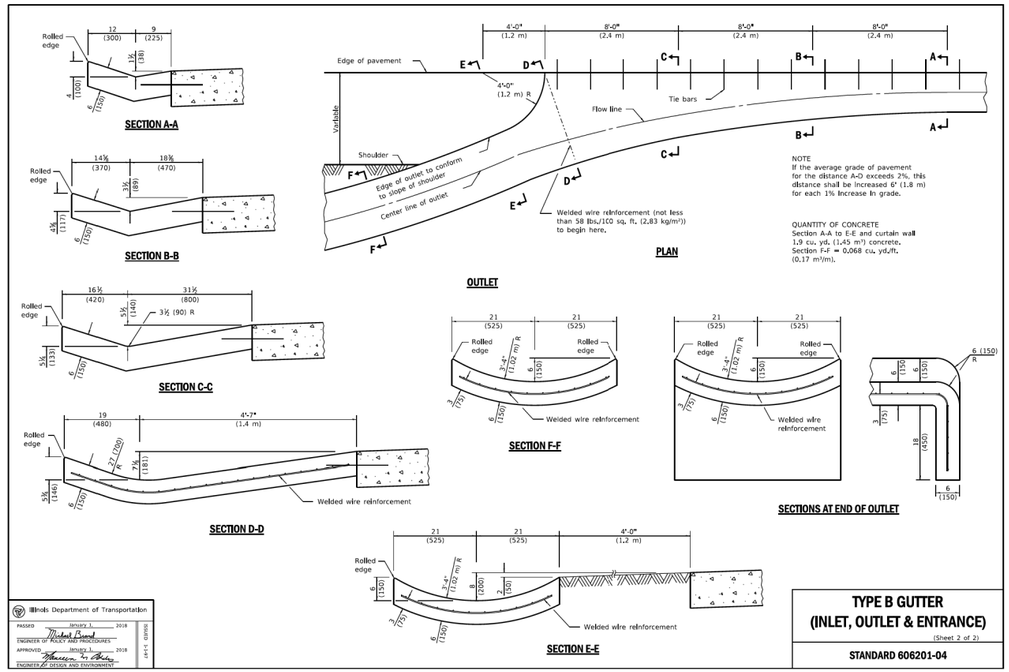
DATE	REVISIONS
1-1-18	Deleted first General Note
	to avoid conflict with second
	General Note.
4-1-16	Changed terminology to
	'welded wire reinforcement'.

TYPE B GUTTER (INLET, OUTLET & ENTRANCE)

(Sheet 1 of 2)

STANDARD 606201-04

Illinois Department of Transportation
PASSED January 1, 2018 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2404 (Rev. 1-1-18)

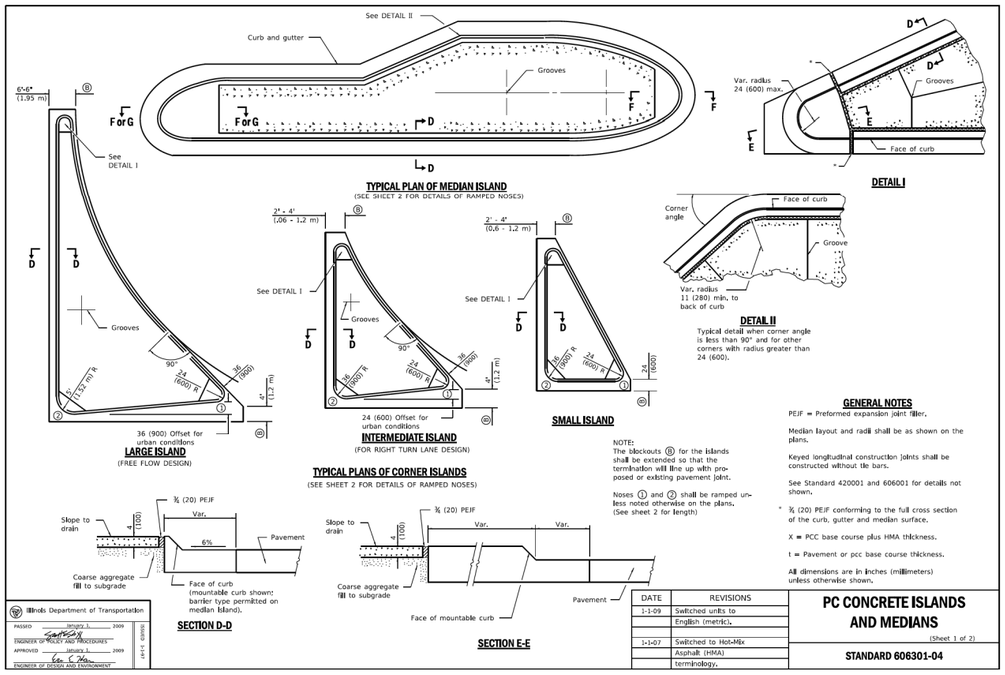


TYPE B GUTTER (INLET, OUTLET & ENTRANCE)

(Sheet 2 of 2)

STANDARD 606201-04

Illinois Department of Transportation
PASSED January 1, 2018 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2404 (Rev. 1-1-18)



NOTE:
The blockouts Ⓑ for the islands shall be extended so that the termination will line up with proposed or existing pavement joint.

Noses ① and ② shall be ramped unless noted otherwise on the plans. (See sheet 2 for length)

GENERAL NOTES

PEJF = Preformed expansion joint filler.

Median layout and radii shall be as shown on the plans.

Keyed longitudinal construction joints shall be constructed without tie bars.

See Standard 420001 and 606001 for details not shown.

* ¾ (20) PEJF conforming to the full cross section of the curb, gutter and median surface.

X = PCC base course plus HMA thickness.

t = Pavement or pcc base course thickness.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to
	English (metric).
1-1-07	Switched to Hot-Mix
	Asphalt (HMA)
	terminology.

PC CONCRETE ISLANDS AND MEDIANS

(Sheet 1 of 2)

STANDARD 606301-04

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2404 (Rev. 1-1-18)

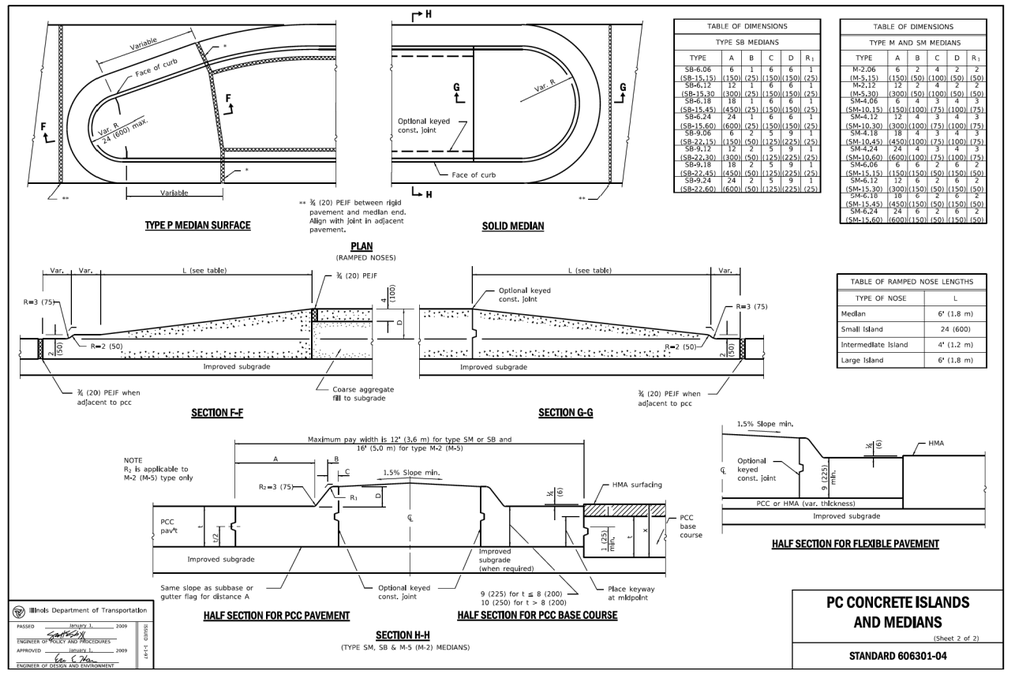


TABLE OF DIMENSIONS — TYPE SB MEDIANS					
TYPE	A	B	C	D	R_1
SB-6.06 (SB-15.15)	6 (150)	1 (25)	6 (150)	6 (150)	3 (75)
SB-6.12 (SB-15.30)	12 (300)	2 (50)	6 (150)	6 (150)	3 (75)
SB-6.18 (SB-15.45)	18 (450)	2 (50)	6 (150)	6 (150)	3 (75)
SB-6.24 (SB-15.60)	24 (600)	2 (50)	6 (150)	6 (150)	3 (75)
SB-9.06 (SB-22.15)	6 (150)	2 (50)	5 (125)	9 (225)	1 (25)
SB-9.12 (SB-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
SB-9.18 (SB-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
SB-9.24 (SB-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

TABLE OF DIMENSIONS — TYPE M AND SM MEDIANS					
TYPE	A	B	C	D	R_1
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	2 (50)
M-2.12 (M-5.30)	12 (300)	5 (150)	4 (100)	2 (50)	2 (50)
SM-4.06 (SM-10.15)	6 (150)	4 (100)	3 (75)	4 (100)	2 (75)
SM-4.12 (SM-10.30)	12 (300)	4 (100)	3 (75)	4 (100)	2 (75)
SM-4.18 (SM-10.45)	18 (450)	4 (100)	3 (75)	4 (100)	2 (75)
SM-4.24 (SM-10.60)	24 (600)	4 (100)	3 (75)	4 (100)	2 (75)
SM-6.06 (SM-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)
SM-6.12 (SM-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)
SM-6.18 (SM-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)
SM-6.24 (SM-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)

TABLE OF RAMPED NOSE LENGTHS	
TYPE OF NOSE	L
Median	6' (1.8 m)
Small Island	24 (600)
Intermediate Island	4' (1.2 m)
Large Island	6' (1.8 m)

PC CONCRETE ISLANDS AND MEDIANS

(Sheet 2 of 2)

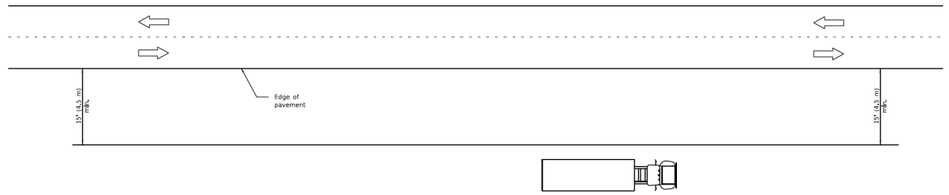
STANDARD 606301-04

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2404 (Rev. 1-1-18)

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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD IDOT HIGHWAY STANDARDS
		DRAWN -	REVISED -		
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	143
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



TYPICAL APPLICATIONS

Landscaping work

Utility work

Fencing contracts and maintenance

Clearing culverts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009 — ENGINEER OF OPERATIONS

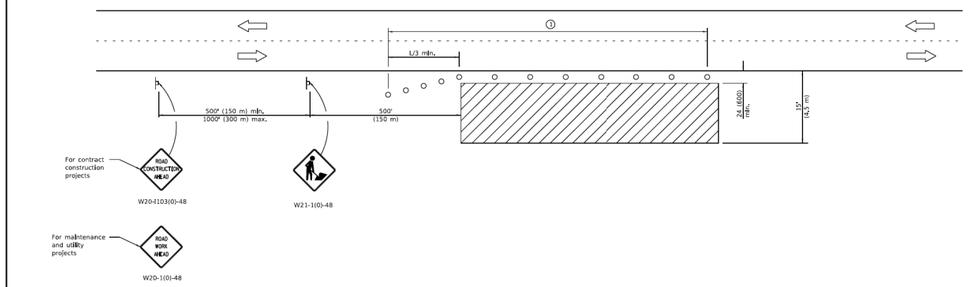
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-05	Revised title and notes.

OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY

STANDARD 701001-02



TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

SYMBOLS

Work area

Sign

Cone, drum or barricade

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24 (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2014 — ENGINEER OF SAFETY ENGINEERING

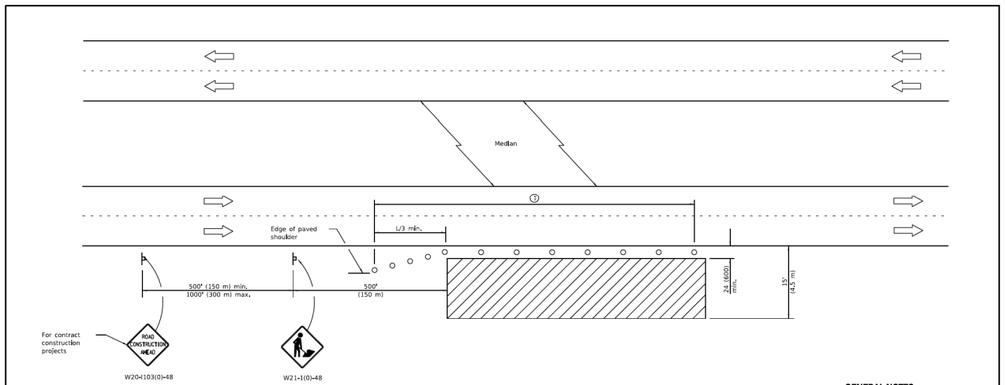
APPROVED January 1, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text "WORKERS"
	sign.

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05



TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

SYMBOLS

Work area

Sign

Cone, drum or barricade

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24 (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED April 1, 2016 — ENGINEER OF SAFETY ENGINEERING

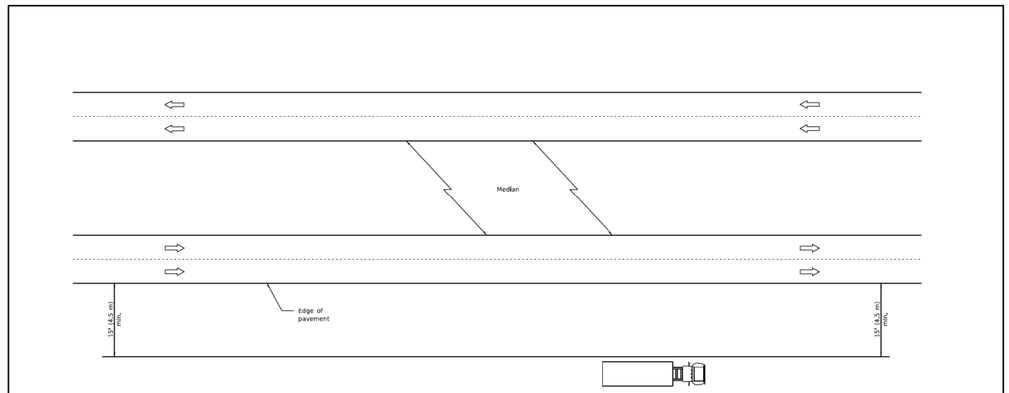
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

DATE	REVISIONS
4-1-16	Corrected typo in title.
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.

OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701101-05



TYPICAL APPLICATIONS

Landscaping work
Utility work
Fencing contracts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701101.

This Standard also applies to work performed in the median more than 15' (4.5 m) from either pavement.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009 — ENGINEER OF OPERATIONS

APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24

DATE	REVISIONS
1-1-05	Switched units to English (metric).
1-1-05	Revised title.

OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY

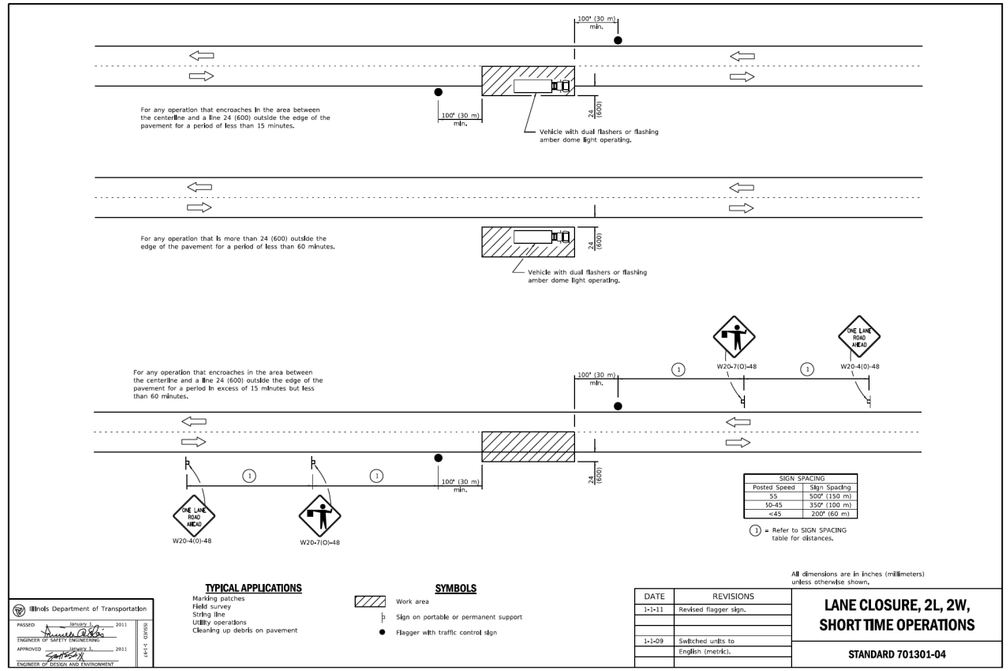
STANDARD 701106-02

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HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	**KENDALL COUNTY HIGHWAY DEPARTMENT**	**GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD**
	DRAWN -	REVISED -	**6780 SOUTH ROUTE 47**	**IDOT HIGHWAY STANDARDS**
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	**YORKVILLE, IL 60560**	SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 10/13/2023	DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	144
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



TYPICAL APPLICATIONS

Marking patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

SYMBOLS

Work area
Sign on portable or permanent support
Flagger with traffic control sign

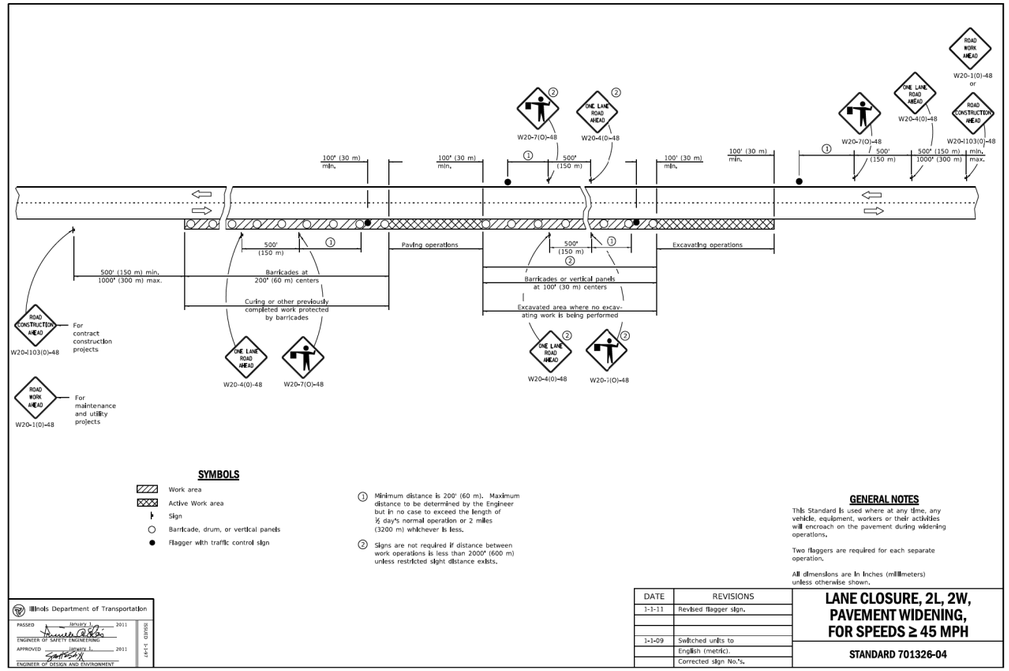
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to
	English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STANDARD 701301-04

Illinois Department of Transportation
PASSED January 1, 2011 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 (1-1-11)



SYMBOLS

Work area
Active Work area
Sign
Barricade, drum, or vertical panels
Flagger with traffic control sign

1. Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but in no case to exceed the length of ½ day's normal operation or 2 miles (3200 m) whichever is less.
2. Signs are not required if distance between work operations is less than 2000' (600 m) unless restricted sight distance exists.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach on the pavement during widening operations.

Two flaggers are required for each separate operation.

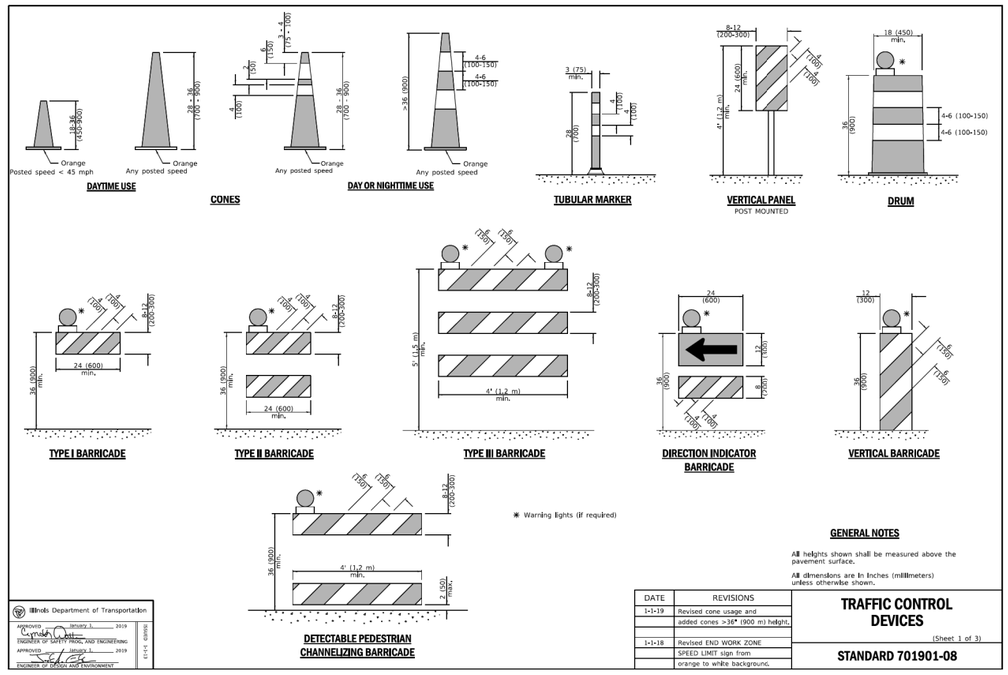
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to
	English (metric).
	Corrected sign No.'s.

LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH

STANDARD 701326-04

Illinois Department of Transportation
PASSED January 1, 2011 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 (1-1-11)



GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

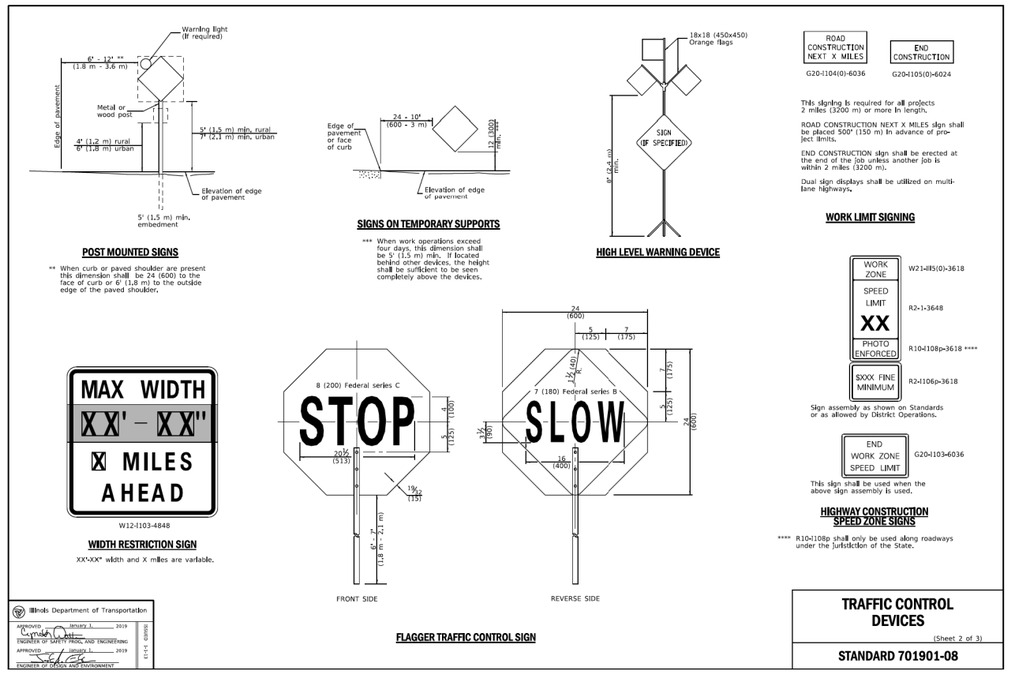
DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-08

Illinois Department of Transportation
APPROVED January 1, 2019 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 801 (1-1-11)



TRAFFIC CONTROL DEVICES

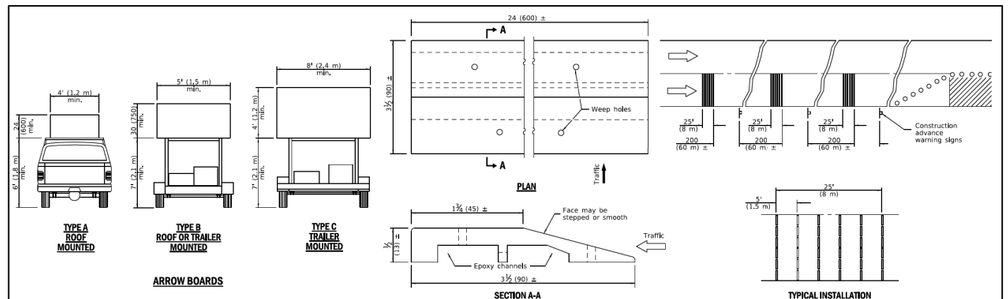
(Sheet 2 of 3)

STANDARD 701901-08

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560
		DRAWN -	REVISED -	GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD IDOT HIGHWAY STANDARDS
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 10/13/2023	DATE -	REVISED -	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	145
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\d02 Design\CADD Sheets\220131-tht-hwy stds.dgn



TYPE A ROOF MOUNTED

TYPE B ROOF OR TRAILER MOUNTED

TYPE C TRAILER MOUNTED

ARROW BOARDS

PLAN

SECTION A-A

TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS

ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricades.

ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

PASSED January 1, 2019 — ENGINEER OF SAFETY, TRAFFIC, AND ENGINEERING

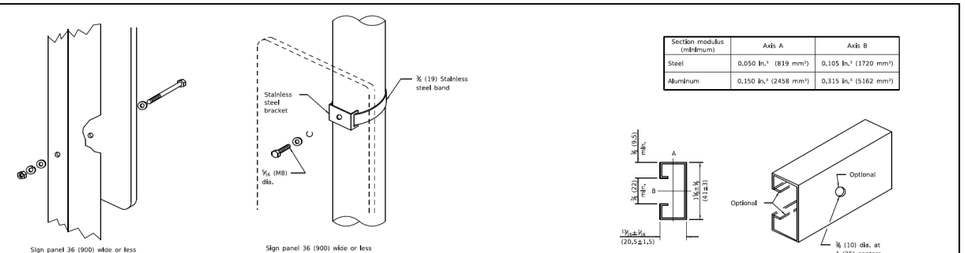
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-21-5

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08



Section modulus (minimum)	Axis A	Axis B
Steel	0.050 in.³ (819 mm³)	0.105 in.³ (1720 mm³)
Aluminum	0.150 in.³ (2458 mm³)	0.315 in.³ (5162 mm³)

WOOD OR TELESCOPING STEEL POSTS

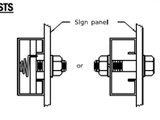
LIGHT OR SIGNAL STANDARDS

SUPPORTING CHANNEL DETAILS

ROUTE MARKER ASSEMBLY

BREAKAWAY STEEL TUBING POSTS

(All sign panel sizes)



DETAIL A

DETAIL B

DETAIL C

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES

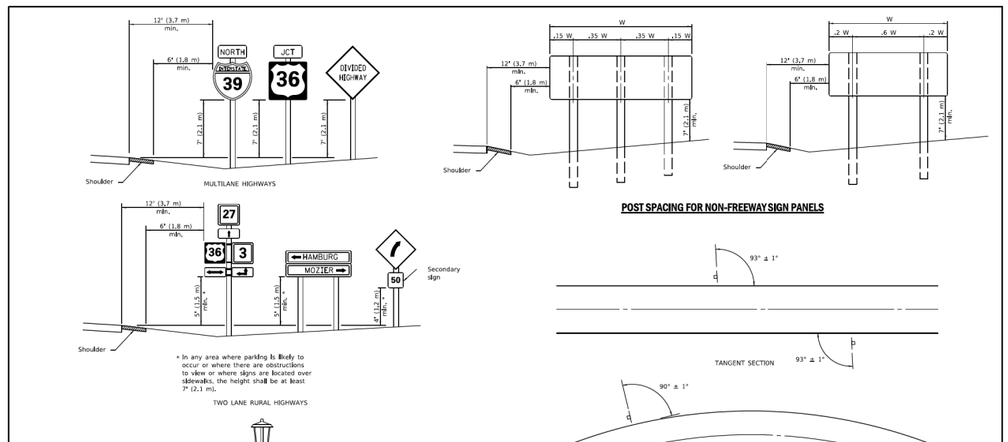
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-7

DATE	REVISIONS
1-1-09	Switched units to
	English (metric),
1-1-97	Renum. Standard 2319-6,

SIGN PANEL MOUNTING DETAILS

STANDARD 720001-01



GROUND MOUNT SIGN POSITIONING

TYPICAL INSTALLATIONS

Signs in any area shall be erected to a uniform height above the edge of the pavement.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2014 — ENGINEER OF OPERATIONS

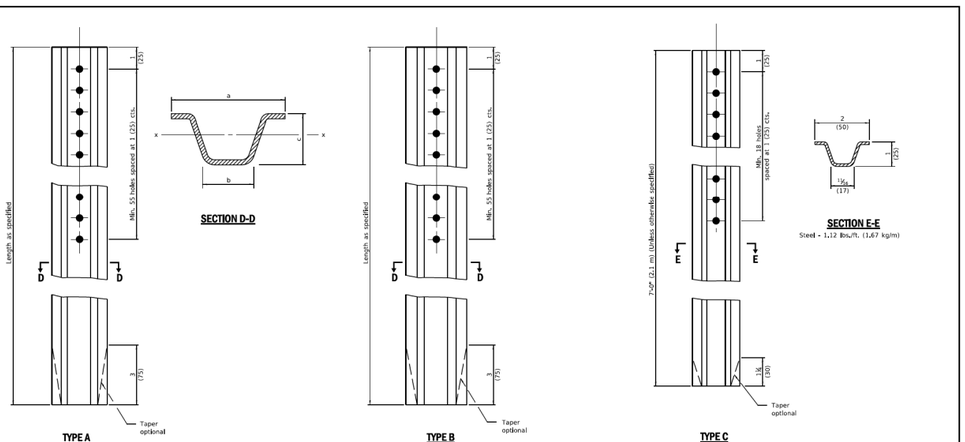
APPROVED January 1, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-5

DATE	REVISIONS
1-1-14	Added shoulders and slopes.
	Changed sign distances
	from roadway and shoulder.
1-1-12	Rev. sign elev. for multilane
	hwy's. Revised sign elev. and
	dist. to curb for rural loc.

SIGN PANEL ERECTION DETAILS

STANDARD 720006-04



TYPE A

TYPE B

TYPE C

		a	b	c	Sx-x in.⁴ (mm⁴)	lbs./ft. (kg/m)
TYPE A	Steel	3/8 (10)	1/2 (12)	1/8 (17)	0.223 (8,654)	2.20 (3,28)
	Aluminum	1/2 (13)	1/2 (13)	1/2 (68)	0.415 (7,329)	0.80 (1,34)
TYPE B	Steel	3/8 (01)	1/2 (13)	1/2 (10)	0.241 (5,588)	3.00 (4,46)
	Aluminum	4/8 (118)	2/2 (57)	2/2 (60)	0.888 (14,552)	1.30 (1,93)

GENERAL NOTES

Dimensions shown for cross sections are minimum.

All holes are ⅜ (10).

Sx-x is the minimum section modulus about the x-x axis of the post as shown. For posts in which holes are punched or drilled for more than half their length, Sx-x shall be computed for the net section.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 5-24-7

DATE	REVISIONS
1-1-09	Switched units to
	English (metric),
1-1-97	Renum. Standard 2350-4.

METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

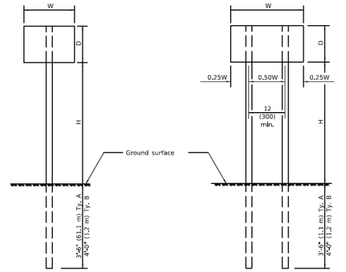
STANDARD 720011-01

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\d02 Design\CADD Sheets\220131-tht-hwy stds.dgn

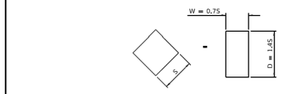
HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560	GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD IDOT HIGHWAY STANDARDS
	DRAWN -	REVISED -		
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
PLOT DATE = 10/13/2023	DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	146
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

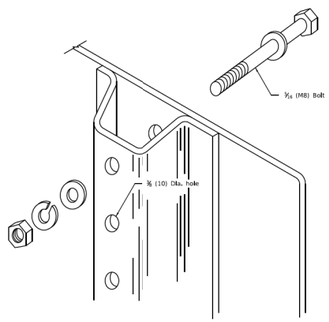


ONE POST INSTALLATION **TWO POST INSTALLATION**



For diamond shaped sign with side S as shown, use required post size for a sign with W = 0.75 and D = 1.45.

SIGN DEPTH (D)	H	NO. AND TYPE OF POST FOR SIGN WIDTH (W)				
		12 (300)	18 (450)	24 (600)	30 (750)	36 (900)
18 (450)	5'-0" (1,5 m)	A	A	A	A	A
	5'-6" (1,7 m)	A	A	A	A	A
	6'-0" (1,8 m)	A	A	A	A	B
	6'-6" (2,0 m)	A	A	A	A	B
	7'-0" (2,1 m)	A	A	A	A	B
	7'-6" (2,3 m)	A	A	A	A	B
	8'-0" (2,4 m)	A	A	A	A	B
	8'-6" (2,6 m)	A	A	A	B	B
	9'-0" (2,7 m)	A	A	A	B	B
24 (600)	5'-0" (1,5 m)	A	A	A	A	B
	5'-6" (1,7 m)	A	A	A	A	B
	6'-0" (1,8 m)	A	A	A	B	B
	6'-6" (2,0 m)	A	A	A	B	B
	7'-0" (2,1 m)	A	A	A	B	B
	7'-6" (2,3 m)	A	A	A	B	B
	8'-0" (2,4 m)	A	A	A	B	2A
	8'-6" (2,6 m)	A	A	B	B	2A
	9'-0" (2,7 m)	A	A	B	B	2A
30 (750)	5'-0" (1,5 m)	A	A	A	B	B
	5'-6" (1,7 m)	A	A	A	B	2A
	6'-0" (1,8 m)	A	A	A	B	2A
	6'-6" (2,0 m)	A	A	A	B	2A
	7'-0" (2,1 m)	A	A	B	B	2A
	7'-6" (2,3 m)	A	A	B	B	2A
	8'-0" (2,4 m)	A	A	B	B	2A
	8'-6" (2,6 m)	A	A	B	2A	2A
	9'-0" (2,7 m)	A	A	B	2A	2A
36 (900)	5'-0" (1,5 m)	A	A	B	B	2A
	5'-6" (1,7 m)	A	A	B	B	2A
	6'-0" (1,8 m)	A	A	B	B	2A
	6'-6" (2,0 m)	A	A	B	2A	2A
	7'-0" (2,1 m)	A	A	B	2A	2A
	7'-6" (2,3 m)	A	A	B	2A	2A
	8'-0" (2,4 m)	A	B	B	2A	2A
	8'-6" (2,6 m)	A	B	B	2A	2B
	9'-0" (2,7 m)	A	B	2A	2A	2B
4'-0" (1,2 m)	5'-0" (1,5 m)	A	A	B	2A	2A
	5'-6" (1,7 m)	A	B	B	2A	2A
	6'-0" (1,8 m)	A	B	B	2A	2A
	6'-6" (2,0 m)	A	B	2A	2A	2B
	7'-0" (2,1 m)	A	B	2A	2A	2B
	7'-6" (2,3 m)	A	B	2A	2B	2B
	8'-0" (2,4 m)	A	B	2A	2B	2B
	8'-6" (2,6 m)	B	B	2B	2B	2B
	9'-0" (2,7 m)	B	2A	2B	2B	2B



DETAIL OF MOUNTING SIGN TO POST

NOTE: Minimum of 2 bolts per post required.

GENERAL NOTES

DESIGN: Current AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

LOADING: for 60 mph (95 km/h) wind velocity with 30% gust factor, normal to sign.

SOIL PRESSURE: Minimum allowable soil pressure 1,25 tsf (120 kPa).

See Standard 720011 for details of Types A and B posts.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES

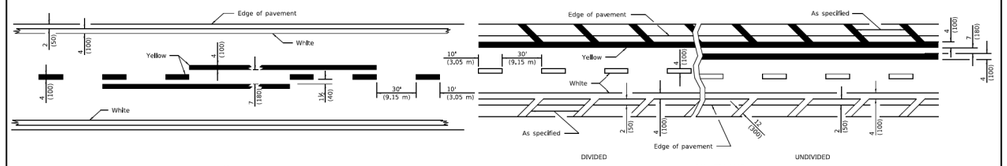
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDDD 1-14-1

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Renum. Standard 2363-2.

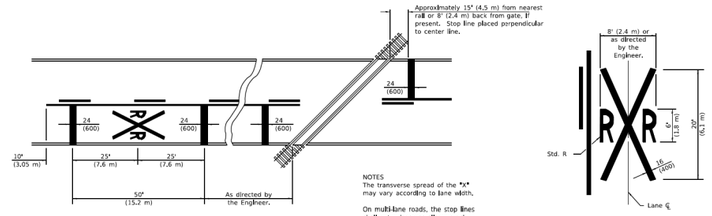
APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

STANDARD 729001-01



2 LANE **MULTI LANE**

LANE AND EDGE LINES



NOTES
The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015 — ENGINEER OF OPERATIONS

APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT

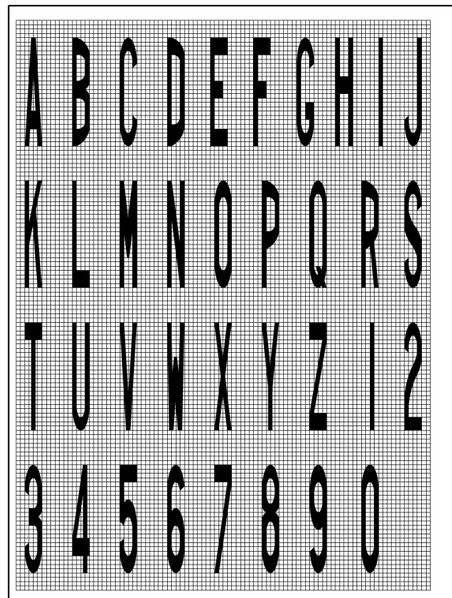
BDDD 1-14-1

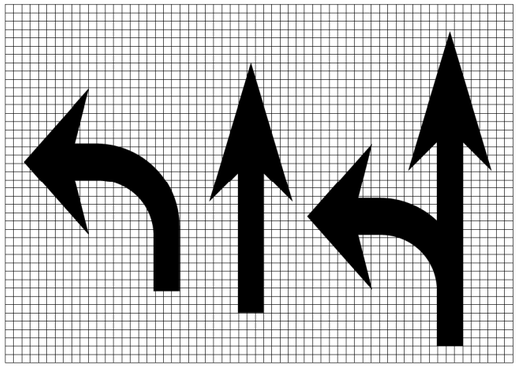
DATE	REVISIONS
1-1-15	Added symbols. Revised bike symbol. Revised note for stop line at RR crossing.
1-1-14	Added bike symbol. Renamed "LANE DROP ARROW" detail to "LANE-REDUCTION ARROW".

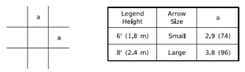
TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 3)

STANDARD 780001-05







Legend Height	Arrow Size	a
6' (1,8 m)	Small	2,9 (74)
8' (2,4 m)	Large	3,8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1,8 m) legend and 4 (,00) for 8' (2,4 m) legend.

LETTER AND ARROW GRID SCALE

Illinois Department of Transportation

PASSED January 1, 2015 — ENGINEER OF OPERATIONS

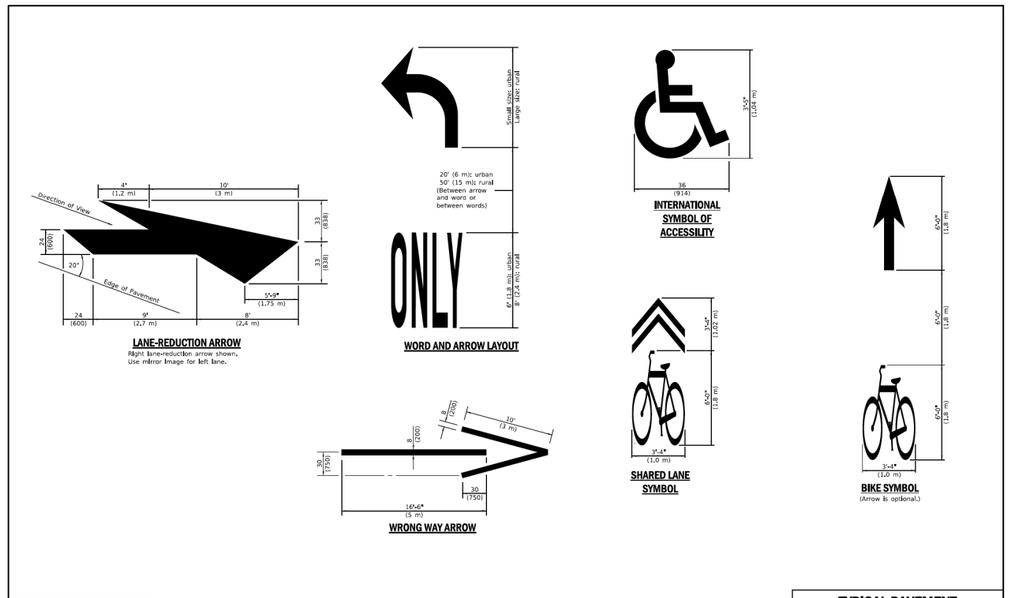
APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT

BDDD 1-14-1

TYPICAL PAVEMENT MARKINGS

(Sheet 2 of 3)

STANDARD 780001-05



LANE-REDUCTION ARROW
Right lane-reduction arrow shown. Use mirror image for left lane.

WORD AND ARROW LAYOUT

SHARED LANE SYMBOL

BIKE SYMBOL
(Arrow is optional.)

WRONG WAY ARROW

Illinois Department of Transportation

PASSED January 1, 2015 — ENGINEER OF OPERATIONS

APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT

BDDD 1-14-1

TYPICAL PAVEMENT MARKINGS

(Sheet 3 of 3)

STANDARD 780001-05

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\d02 Design\CADD Sheets\220131-tht-hwy stds.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

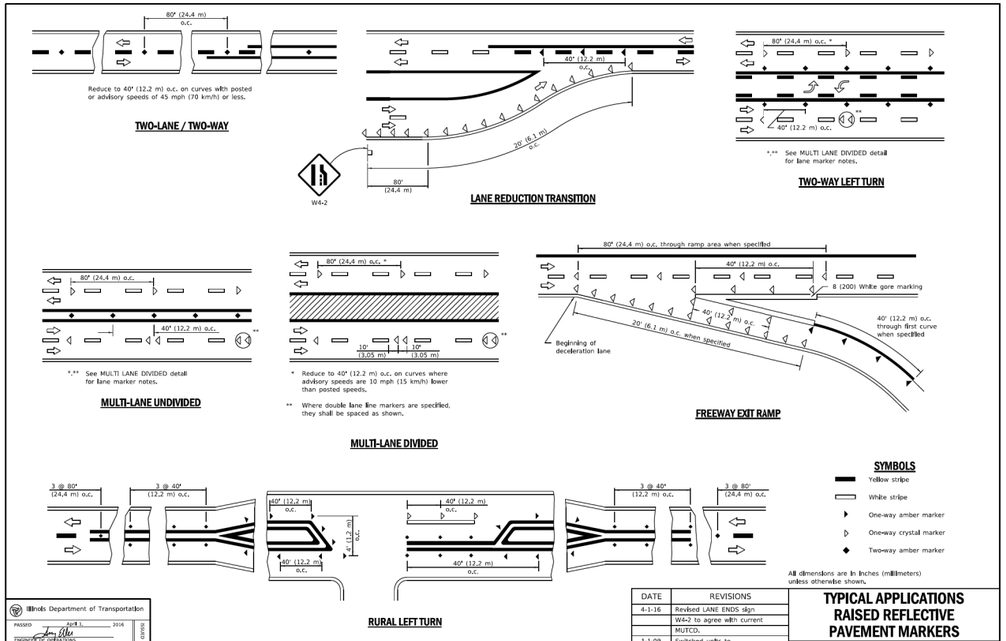
USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	147
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



Illinois Department of Transportation

PASSED January 1, 2016 — ENGINEER OF OPERATIONS

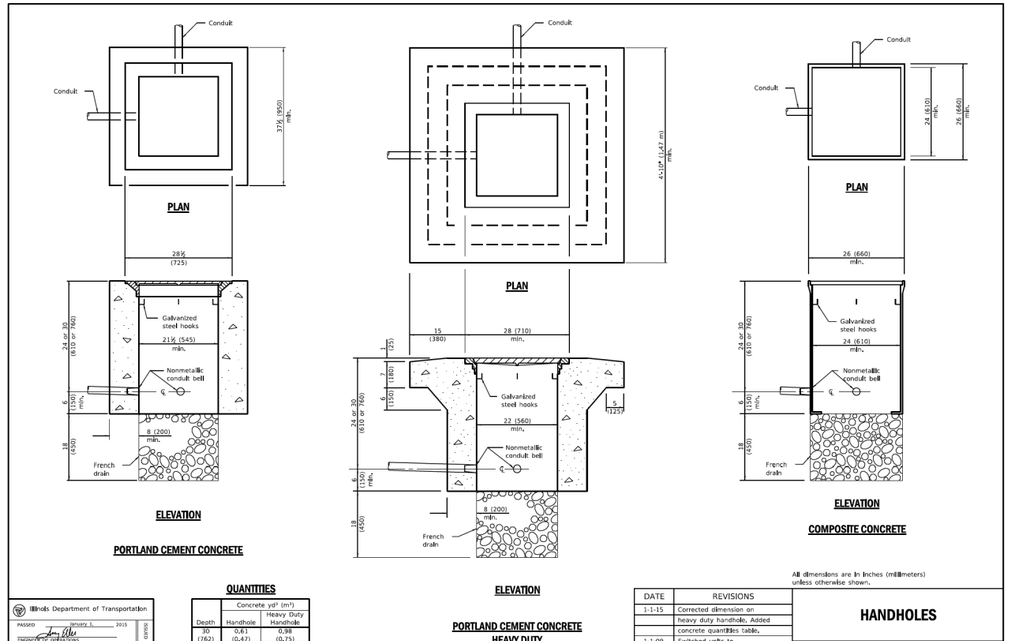
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BLOCK 1-1-17

DATE	REVISIONS
4-1-16	Revised LANE ENDS sign
	W4-2 to agree with current
	MUTCD.
1-1-09	Switched units to
	English (metric).

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STANDARD 781001-04



QUANTITIES

	Concrete yd³ (m³)	
		Heavy Duty
Depth	Handhole	Handhole
30 (762)	0.41 (0,47)	0.98 (0,75)
36 (914)	0.73 (0,56)	1.10 (0,84)

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2015 — ENGINEER OF OPERATIONS

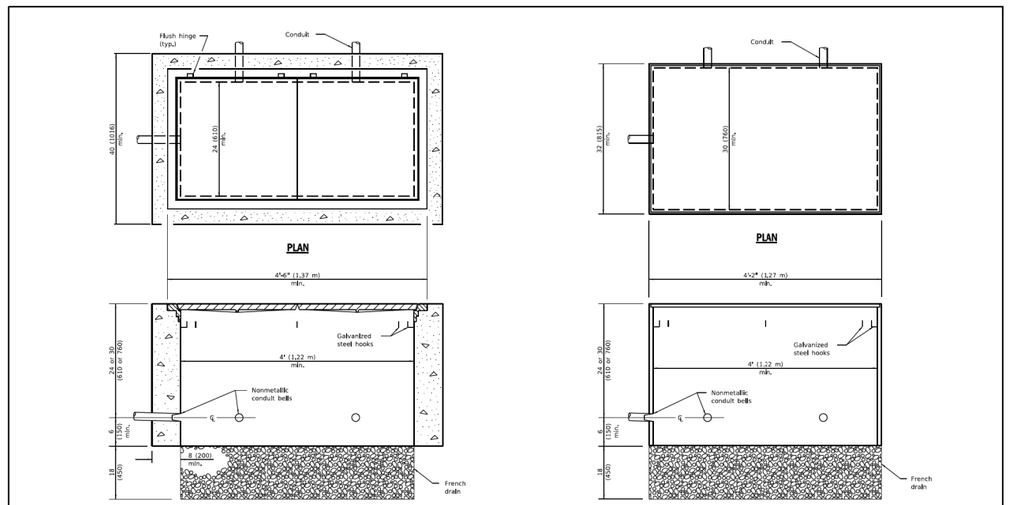
APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT

BLOCK 1-1-15

DATE	REVISIONS
1-1-15	Corrected dimension on
	heavy duty handhole, Added
	concrete quantities table.
1-1-09	Switched units to
	English (metric).

HANDHOLES

STANDARD 814001-03



All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2021 — ENGINEER OF OPERATIONS

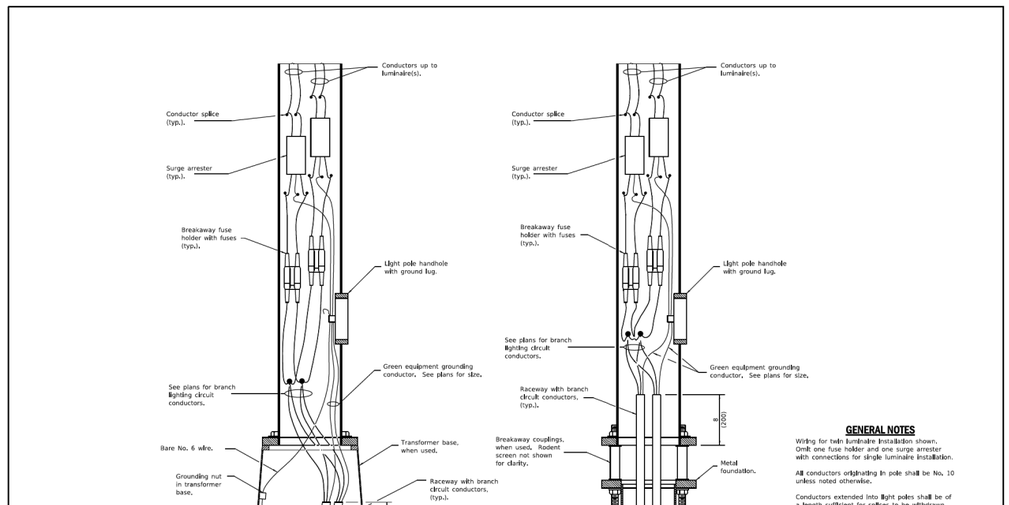
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT

BLOCK 1-1-21

DATE	REVISIONS
1-1-21	Corrected dimension in Portland
	Cement Concrete Plan view.
1-1-09	Switched units to English (metric).

DOUBLE HANDHOLES

STANDARD 814006-03



GENERAL NOTES

Wiring for twin luminaire installation shown. Omit one fuse holder and one surge arrester with connections for single luminaire installation.

All conductors originating in pole shall be No. 10 unless noted otherwise.

Conductors extended into light poles shall be of a length sufficient for splices to be withdrawn 18 (450) out of pole handhole.

Any voids in the foundation shall be filled with fine aggregate.

See Standard 836001 for Light Pole Foundation and ground rod.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2017 — ENGINEER OF MECHANICAL ENGINEERING

APPROVED January 1, 2017 — ENGINEER OF DESIGN AND ENVIRONMENT

BLOCK 1-1-17

DATE	REVISIONS
1-1-17	Renamed standard.
1-1-15	Changed "protector" to
	"arrester".

LUMINAIRE WIRING IN POLE

STANDARD 821101-02

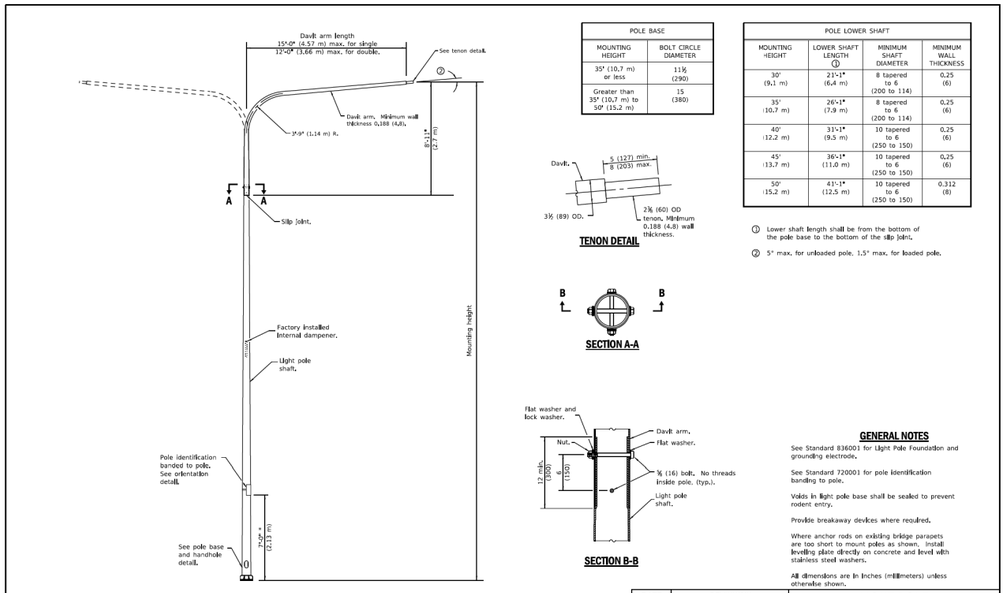
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = nickp	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT 6780 SOUTH ROUTE 47 YORKVILLE, IL 60560
		DRAWN -	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 10/13/2023	DATE -	REVISED -	

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	148
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



DAVIT LIGHT POLE

(Single or twin mount)

* Unless directed otherwise by the Engineer.

POLE BASE	
MOUNTING HEIGHT	BOLT CIRCLE DIAMETER
35' (10.7 m) or less	11½ (290)
Greater than 35' (10.7 m) to 50' (15.2 m)	15 (380)

POLE LOWER SHAFT			
MOUNTING HEIGHT	LOWER SHAFT LENGTH ①	MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS
30' (9.1 m)	21'-1" (6.4 m)	8 tapered to 6 (200 to 114)	0.25 (6)
35' (10.7 m)	26'-1" (7.9 m)	8 tapered to 6 (200 to 114)	0.25 (6)
40' (12.2 m)	31'-1" (9.5 m)	10 tapered to 6 (250 to 150)	0.25 (6)
45' (13.7 m)	36'-1" (11.0 m)	10 tapered to 6 (250 to 150)	0.25 (6)
50' (15.2 m)	41'-1" (12.5 m)	10 tapered to 6 (250 to 150)	0.312 (8)

TENON DETAIL

① Lower shaft length shall be from the bottom of the pole base to the bottom of the slip joint.

② 5° max. for unloaded pole, 1.5° max. for loaded pole.

SECTION A-A

SECTION B-B

GENERAL NOTES

See Standard 836001 for Light Pole Foundation and grounding electrode.

See Standard 720001 for pole identification banding to pole.

Voids in light pole base shall be sealed to prevent rodent entry.

Provide breakaway devices where required.

Where anchor rods on existing bridge parapets are too short to mount poles as shown, install levelling plate directly on concrete and level with stainless steel washers.

All dimensions are in inches (millimeters) unless otherwise shown.

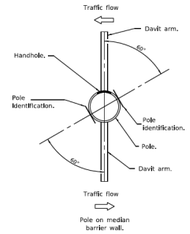
DATE	REVISIONS
1-1-19	Revised standard to comply with the 2013 version of AASHTO.
1-1-17	Added notes ① and ②.

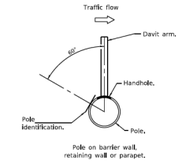
LIGHT POLE
ALUMINUM DAVIT ARM

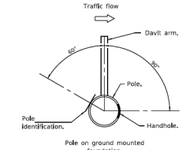
(Sheet 1 of 2)

STANDARD 830006-05

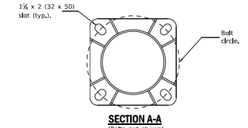
Illinois Department of Transportation
PASSED January 1, 2019
ELECTRICAL AND MECHANICAL UNIT CHIEF
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2-12-19





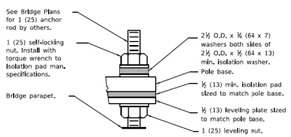


HANDHOLE / IDENTIFICATION ORIENTATION DETAIL

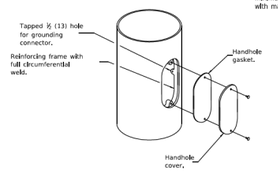


SECTION A-A

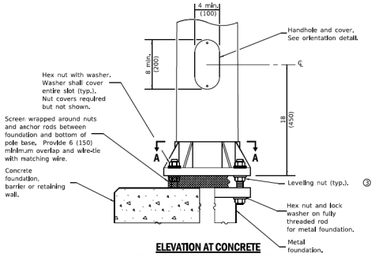
(Bolts not shown)



DETAIL A

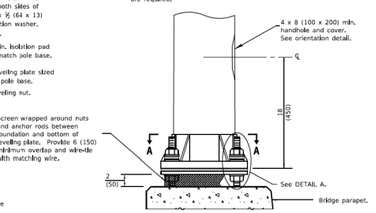


HANDHOLE DETAIL



ELEVATION AT CONCRETE FOUNDATION, METAL FOUNDATION OR RETAINING WALL

③ Omit levelling nuts when breakaway devices are required.



ELEVATION AT BRIDGE PARAPET

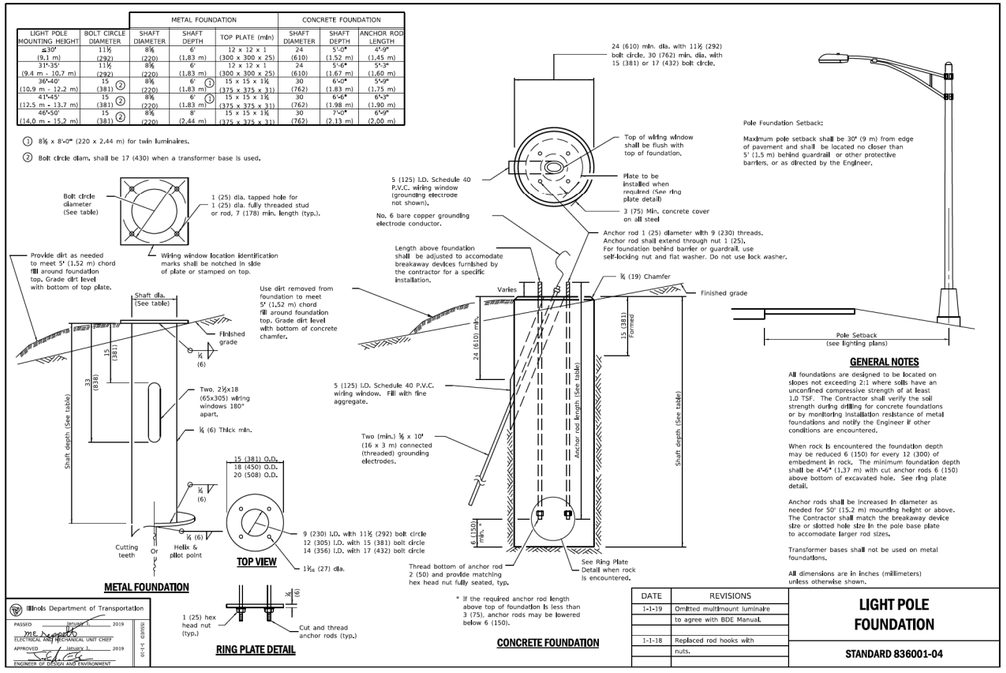
POLE BASE DETAILS

Illinois Department of Transportation
PASSED January 1, 2019
ENGINEER OF MECHANICAL ENGINEERING
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2-12-19

LIGHT POLE
ALUMINUM DAVIT ARM

(Sheet 2 of 2)

STANDARD 830006-05



	METAL FOUNDATION			CONCRETE FOUNDATION		
LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH
≤30' (9.1 m)	11½ (292)	8⅝ (220)	6' (1.83 m)	12 x 12 x 1 (300 x 300 x 25)	24 (610)	5'-0" (1.52 m)	4'-9" (1.45 m)
31'-35' (9.4 m - 10.7 m)	11½ (292)	8⅝ (220)	6' (1.83 m)	12 x 12 x 1 (300 x 300 x 25)	24 (610)	5'-6" (1.67 m)	5'-3" (1.60 m)
36'-40' (10.9 m - 12.2 m)	15 (381) ②	8⅝ (220)	6' (1.83 m)	① 15 x 15 x 1¼ (375 x 375 x 31)	30 (762)	6'-0" (1.83 m)	5'-9" (1.75 m)
41'-45' (12.5 m - 13.7 m)	15 (381) ②	8⅝ (220)	6' (1.83 m)	① 15 x 15 x 1¼ (375 x 375 x 31)	30 (762)	6'-6" (1.98 m)	6'-3" (1.90 m)
46'-50' (14.0 m - 15.2 m)	15 (381) ②	8⅝ (220)	8' (2.44 m)	15 x 15 x 1¼ (375 x 375 x 31)	30 (762)	7'-0" (2.13 m)	6'-9" (2.00 m)

① 8⅝ x 8'-0" (220 x 2.44 m) for twin luminaires.

② Bolt circle diam. shall be 17 (430) when a transformer base is used.

GENERAL NOTES

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The Contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance of metal foundations and notify the Engineer if other conditions are encountered.

When rock is encountered the foundation depth may be reduced 6 (150) for every 12 (300) of embedment in rock. The minimum foundation depth shall be 4'-6" (1.37 m) with cut anchor rods 6 (150) above bottom of excavated hole. See ring plate detail.

Anchor rods shall be increased in diameter as needed for 50' (15.2 m) mounting height or above. The Contractor shall match the breakaway device size or slotted hole size in the pole base plate to accomodate larger rod sizes.

Transformer bases shall not be used on metal foundations.

All dimensions are in inches (millimeters) unless otherwise shown.

* If the required anchor rod length above top of foundation is less than 3 (75), anchor rods may be lowered below 6 (150).

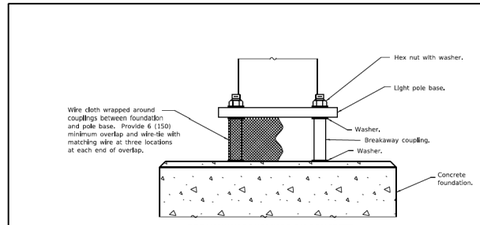
CONCRETE FOUNDATION

DATE	REVISIONS
1-1-19	Omitted multimount luminaire
	to agree with BDE Manual.
1-1-18	Replaced rod hooks with
	nuts.

LIGHT POLE
FOUNDATION

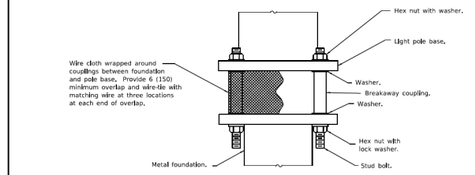
STANDARD 836001-04

Illinois Department of Transportation
PASSED January 1, 2019
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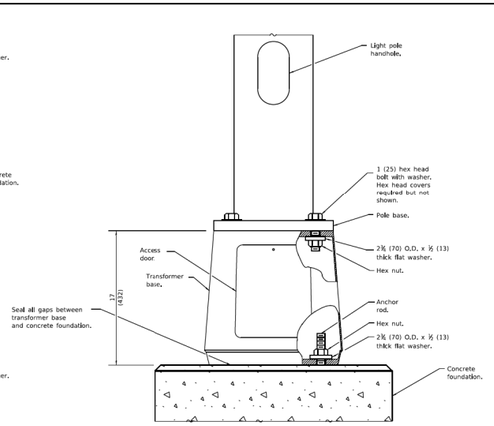
BREAKAWAY COUPLINGS ON CONCRETE FOUNDATION FOR STEEL LIGHT POLE

(Provide pole base skirt around wire cloth when required.)



BREAKAWAY COUPLINGS ON METAL FOUNDATION FOR STEEL POLE

(Provide pole base skirt around wire cloth when required.)



BREAKAWAY TRANSFORMER BASE FOR STEEL OR ALUMINUM POLE

(Steel pole shown)

See Sheet 2 for GENERAL NOTES.

Illinois Department of Transportation
PASSED January 1, 2018
ENGINEER OF MECHANICAL ENGINEERING
APPROVED January 1, 2018
ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2-12-19

DATE	REVISIONS
1-1-18	Revised to show rodent shield installation for aluminum poles.
1-1-14	New Standard.

BREAKAWAY DEVICES

(Sheet 1 of 2)

STANDARD 838001-01

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

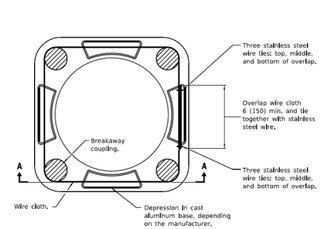
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

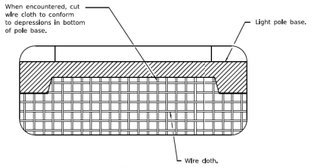
GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

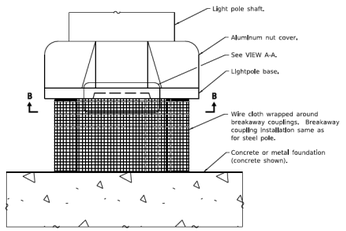
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	22-00169-00-TL	KENDALL	151	149
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



VIEW B-B



VIEW A-A



BREAKAWAY COUPLINGS FOR ALUMINUM POLES

(Provide pole base skirt around wire cloth when required.)

GENERAL NOTES

See light pole standard for details not shown.

Use largest transformer base bolt circle possible.

Transformer bases shall not be installed on metal foundations.

Washers on top of pole base shall cover the entire bolt slot.

See Standard 836001 for Light Pole Foundation.

Wire cloth shall be stainless steel, have a maximum opening of ¼ (6), and have a minimum wire size of AWG No. 16 (1,6).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2018 — ENGINEER OF PRELIMINARY ENGINEERING

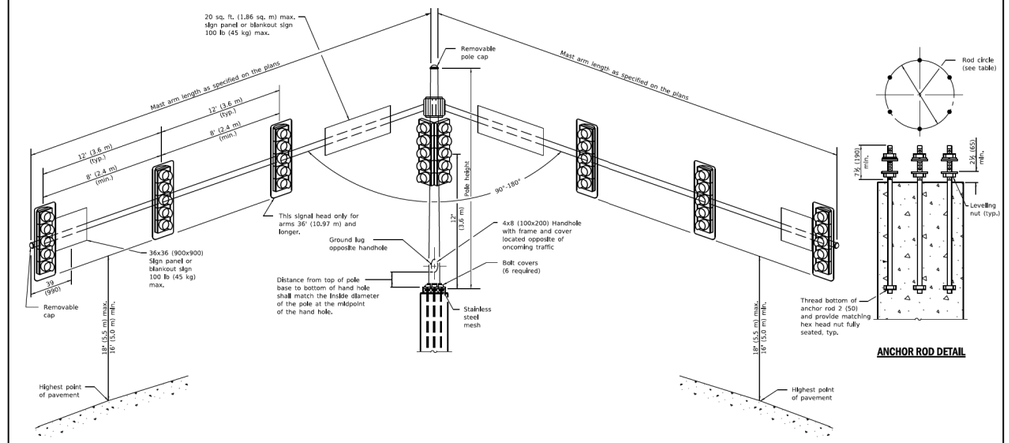
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2-1-12

BREAKAWAY DEVICES

(Sheet 2 of 2)

STANDARD 838001-01



ANCHOR ROD DETAIL

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 30' (4,87 m thru 9,14 m)	18 (450)	1⅞ x 7" (44 x 2.10 m)
32' thru 50' (9,75 m thru 15,24 m)	21 (535)	2 x 7'-6" (51 x 2.29 m)

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14,7 sq. ft. (1,37 sq. m).

See Standard 720016 for location of sign panels or blankout signs closest to pole.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2018 — ENGINEER OF OPERATIONS

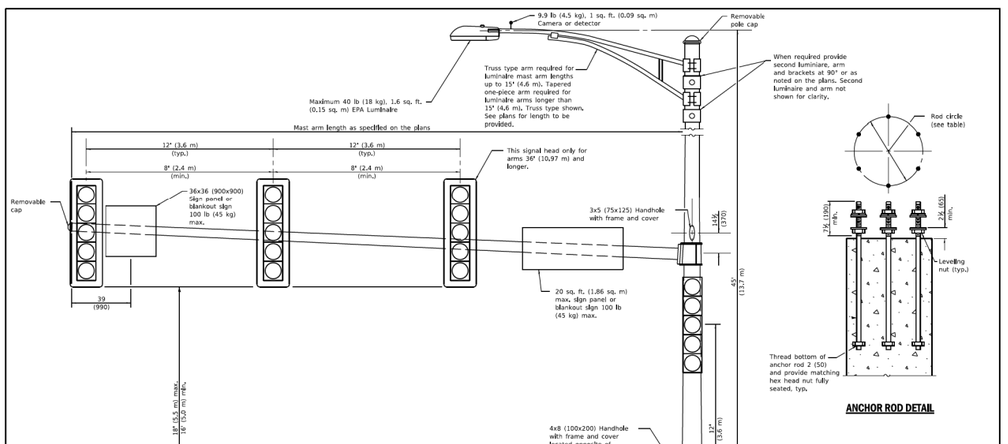
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2-1-12

DATE	REVISIONS
1-1-18	Revised for RLFD reqs. Revised GEN. NOTES for sign location. Revised ANCHOR ROD DETAIL.
6-1-16	Changed sign panel to 36x36. Added max weight of 100 lb. Modified dim. to outer signal.

STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS

STANDARD 877006-06



ANCHOR ROD DETAIL

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 35' (4,87 m thru 10,67 m)	18 (450)	1⅞ x 7" (44 x 2.10 m)
36' thru 55' (10,97 m thru 16,80 m)	21 (535)	1⅞ x 7" (44 x 2.10 m)

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14,7 sq. ft. (1,37 sq. m).

See Standard 720016 for location of sign panel or blankout sign closest to pole.

See standard 821101 for luminaire wiring diagram.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2019 — ENGINEER OF OPERATIONS

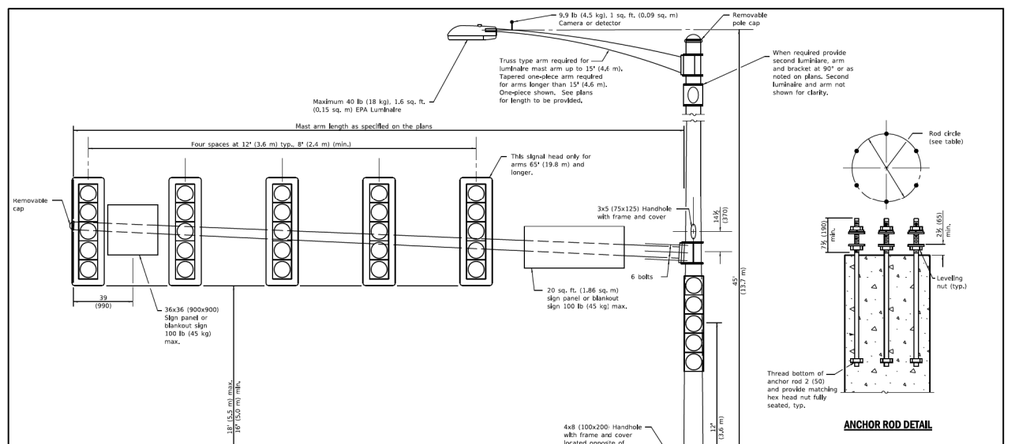
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2-1-12

DATE	REVISIONS
1-1-19	Remove tenon top info.
	Rev. luminaire arm info.
	Rev. second luminaire info.
1-1-18	Revised for RLFD reqs. Revised GEN. NOTES for sign location. Revised ANCHOR ROD DETAIL.

STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

STANDARD 877011-10



ANCHOR ROD DETAIL

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
56' thru 64' (17.07 m thru 19,51 m)	24 (610)	1⅞ x 7' (44 x 2,10 m)
65' thru 75' (19,81 m thru 22,86 m)	27 (685)	2 x 7'-6" (51 x 2,29 m)

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14,7 sq. ft. (1,37 sq. m).

See Standard 720016 for location of sign panel or blankout sign closest to pole.

See standard 821101 for luminaire wiring diagram.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2019 — ENGINEER OF OPERATIONS

APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE 2-1-12

DATE	REVISIONS
1-1-19	Remove tenon top info.
	Rev. luminaire arm info.
	Rev. second luminaire info.
1-1-18	Rev. hand hole location. Rev. Gen. Notes for sign location.
	Replaced rod hooks with nuts.

STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'

STANDARD 877012-07

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

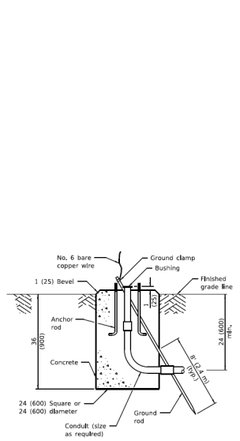
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

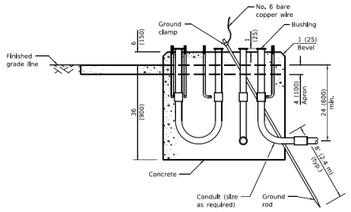
GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

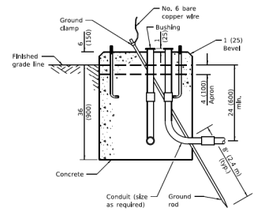
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



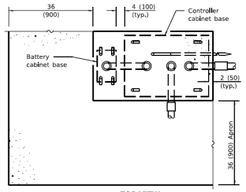
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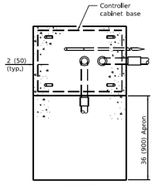
TYPE C
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET



TOP VIEW



TOP VIEW

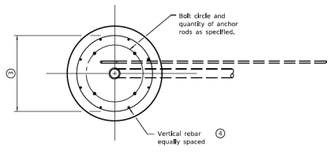
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-21	Revised anchor rod end in
	Type E detail.
1-1-15	Revised TYPE E detail.

CONCRETE FOUNDATION DETAILS
(Sheet 1 of 2)

STANDARD 878001-11

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF OPERATIONS
APPROVED January 1, 2021 — ENGINEER OF BRIDGES AND ENVIRONMENT
BDE-4 878001

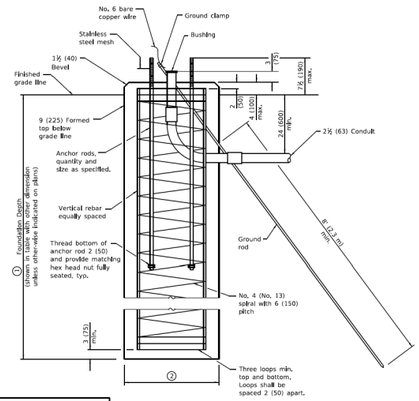


TOP VIEW

Mast Arm Length	1 Foundation Depth *	2 Foundation Diameter	3 Spiral Diameter	4 Quantity of Rebars	Size of Rebars
Less than 30' (9,1 m)	10'-0" (3,0 m)	30 (750)	24 (600)	8	6 (19)
Greater than or equal to 30' (9,1 m) and less than 40' (12,2 m)	13'-6" (4,1 m)	30 (750)	24 (600)	8	6 (19)
Greater than or equal to 40' (12,2 m) and less than 50' (15,2 m)	11'-0" (3,4 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 50' (15,2 m) and up to 55' (16,8 m)	13'-0" (4,0 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 56' (16,8 m) and less than 65' (19,8 m)	15'-0" (4,6 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	21'-0" (6,4 m)	42 (1060)	36 (900)	16	8 (25)
	25'-0" (7,6 m)	42 (1060)	36 (900)	16	8 (25)

* For standard and combination mast arm assemblies, Foundation depths for standard dual mast arms with the longest arm length upto and including 55' (16,8 m) shall be increased by 1' (0,3 m) of that shown in the table, based on the longer of the two arms.

These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1,0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.

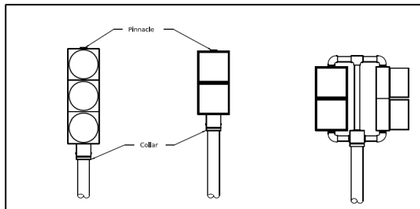


TYPE E

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF OPERATIONS
APPROVED January 1, 2021 — ENGINEER OF BRIDGES AND ENVIRONMENT
BDE-4 878001

CONCRETE FOUNDATION DETAILS
(Sheet 2 of 2)

STANDARD 878001-11



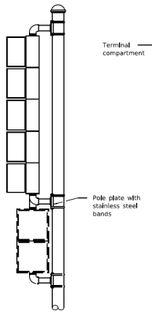
POST MOUNTED TRAFFIC SIGNAL HEAD

POST MOUNTED PEDESTRIAN SIGNAL HEAD

ONE WAY

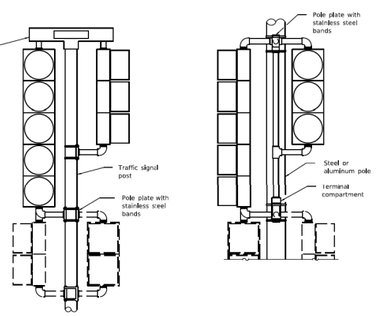
POST MOUNTED PEDESTRIAN SIGNAL HEAD

TWO WAY



BRACKET MOUNTED TRAFFIC SIGNAL HEAD

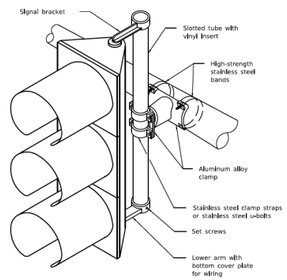
ONE WAY



BRACKET MOUNTED TRAFFIC SIGNAL HEAD

BRACKET MOUNTED TRAFFIC SIGNAL HEAD

TWO WAY



STEEL MAST ARM MOUNTING

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF OPERATIONS
APPROVED January 1, 2009 — ENGINEER OF BRIDGES AND ENVIRONMENT
BDE-4 880006

DATE	REVISIONS
1-1-09	Omitted note regarding units of length.
1-1-02	Renum. Standard 840006.

TRAFFIC SIGNAL MOUNTING DETAILS

STANDARD 880006-01

MODEL: Default
FILE NAME: P:\2022\22013\1\Cad\02 Design\CADD_Sheets\220131-tht-hwy stds.dgn

HAMPTON, LENZINI AND RENWICK, INC.
350 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = nickp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/13/2023	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 SOUTH ROUTE 47
YORKVILLE, IL 60560

GALENA RD/CANNONBALL TR/DICKSON RD/GORDON RD
IDOT HIGHWAY STANDARDS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00169-00-TL	KENDALL	151	151
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			