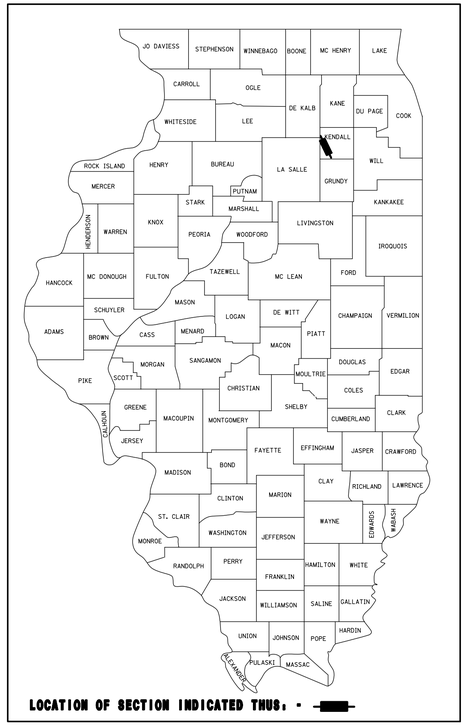
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	20-001578-00-DR	KENDALL	65	1
		CONTRACT NO. _____		

FOR INDEX OF SHEETS
SEE SHEET 2.
FOR HIGHWAY STANDARDS
SEE SHEETS 49-62.
FOR NEWARK & OTHER DETAILS
SEE SHEETS 63-65

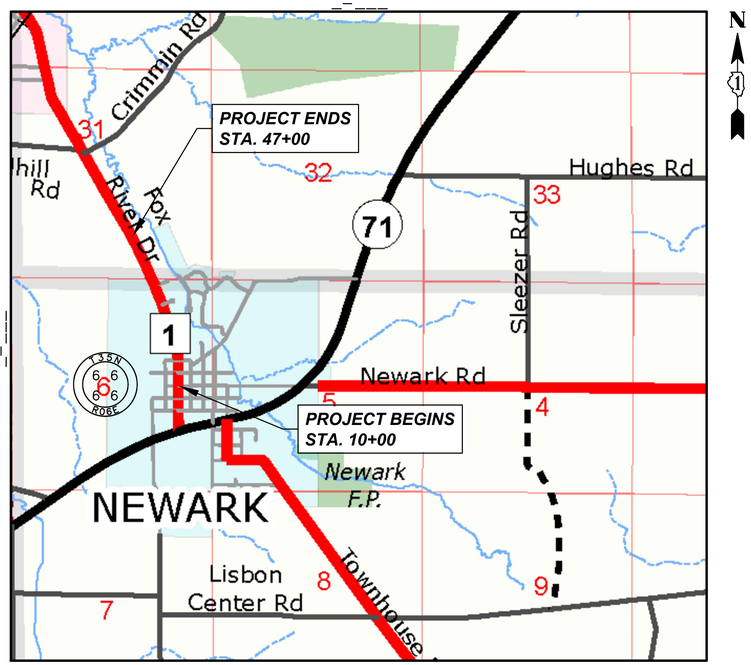
PLANS FOR PROPOSED
COUNTY HIGHWAY 1
(N. JOHNSON STREET - FOX RIVER DRIVE)
ROADWAY, DRAINAGE and UTILITY IMPROVEMENTS
VILLAGE OF NEWARK and KENDALL COUNTY, ILLINOIS
SECTION 20-00158-00-DR

FINAL PLANS: SEPTEMBER, 2024

BID ISSUE: SEPTEMBER 3, 2024



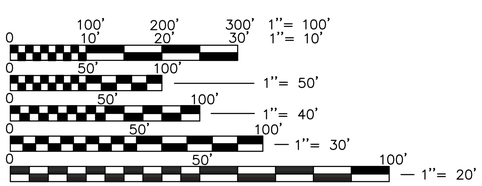
LOCATION OF SECTION INDICATED THUS: ▪ —



EAST 1/2 SECTION 6, T35N ,R6E, 3RD PM, BIG GROVE TOWNSHIP

LOCATION MAP
SCALE: NOT TO SCALE
GROSS & NET LENGTH OF PROJECT = 3,700 FEET (0.701 MILE)

	DESIGN DESIGNATION
FOX RIVER DRIVE	COLLECTOR
	DESIGN SPEED = 60 M.P.H.
	POSTED SPEED = 55 M.P.H.
	ADT (2040) = 3,000 VPD
N. JOHNSON ST.	COLLECTOR
	DESIGN SPEED = 35 M.P.H.
	POSTED SPEED = 30 M.P.H.
	ADT (2040) = 3,000 VPD



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. USE OF REDUCED SIZED PLANS IS NOT RECOMMENDED AT IS AT THE USERS SOLE RISK.

JULIE.
JOINT
UTILITY
LOCATION
INFORMATION FOR
EXCAVATION
CALL 811

Call Before You Dig
JULIE ILLINOIS ONE-CALL SYSTEM
Simply Call 811

SECTION NO. 20-00158-00-DR

KENDALL COUNTY HIGHWAY DEPARTMENT — BRIDGES ROADS

APPROVED _____
DATE

_____
FRANCIS C. KLAAS P.E., COUNTY ENGINEER

DATE: SEPTEMBER 3, 2024

BY: _____
JOHN T. WHITEHOUSE, P.E., P.L.S
ILL. LIC. PROF. ENGINEER #62-42859

LICENSE EXPIRES:
NOVEMBER 30, 2025

SHEETS: 65

SEAL

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554-9595
630.466.6700 / www.eeiweb.com

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INDEX OF SHEETS

SHEET NUMBER	SHEET DESCRIPTION
1.	COVER SHEET
2.	INDEX OF SHEETS, HIGHWAY STANDARDS AND LEGEND
3.	GENERAL NOTES
4.–5.	SUMMARY OF QUANTITIES
6.	TYPICAL SECTIONS
7.	EARTHWORK TABLES
8.–9.	ALIGNMENT, TIES, AND BENCHMARK PLAN
10.–13.	EXISTING CONDITIONS
14.–17.	REMOVAL PLAN
18.–25.	ROADWAY PLAN & PROFILE
26.	OFF–SITE STORM SEWER PLAN & PROFILE
27.–28.	INTERSECTION DETAILS
29.–30.	STORMWATER POLLUTION PREVENTION PLAN
31.–34.	EROSION AND SEDIMENTATION CONTROL PLAN
35.–36.	PAVEMENT MARKING AND SIGNAGE PLAN
37.–48.	CROSS SECTIONS
49.–62.	HIGHWAY STANDARDS
63.–65.	STANDARD DETAILS, NEWARK

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	SANITARY SEWER	
FM FM	SANITARY SEWER FORCEMAIN	FM FM
	STORM SEWER	
W	WATER MAIN	W
	WATER SERVICE & B–BOX	
	SEWER SERVICE	
896	CONTOUR	896
X X X X	FENCE	X X X X
	GUARDRAIL	
G	GAS MAIN	G
T	TELEPHONE CABLE	T
FO	FIBER OPTIC	FO
A	OVERHEAD UTILITY	A
E	UNDERGROUND ELECTRIC	E
CTV CTV	UNDERGROUND CABLE TV	CTV CTV
	SILT FENCE	SF
●	IRON PIPE FOUND	
○	IRON PIPE SET	
⊠	ROW MARKER	■
	SURVEY MARKER	
○	WATER METER VALVE BOX	●
Ⓦ	WELL	
	FIRE HYDRANT	
Ⓥ	VALVE VAULT	Ⓥ
⊗	VALVE BOX	
◎	MANHOLE	⊙
○	CATCH BASIN	●
▭	INLET	▬
▷	CULVERT END SECTION	▶
	CLEANOUT	
Ⓖ	GAS VALVE	
◎	ELECTRIC MANHOLE	
□	ELECTRIC PEDESTAL	
□	CABLE TV PEDESTAL	
⊞	TELEPHONE PEDESTAL	
◹	HANDHOLE	◹
◹◹	DOUBLE HANDHOLE	◹◹
H	HEAVY DUTY HANDHOLE	H
J	JUNCTION BOX	J
⊠	CONTROLLER	⊠
	TRAFFIC SIGNAL	
○	GULFBOX JUNCTION	○
	PED. PUSHBUTTON DETECTOR	
	PED. SIGNAL HEAD	
	PRIORITY VEHICLE DETECTOR	
	SIGNAL HEAD	
	SIGNAL HEAD W/BACKPLATE	
○	SIGNAL POST	●
	LIGHT POLE	
	POWER POLE	
	GUY ANCHOR	
	TELEPHONE POLE	●
	PAY TELEPHONE	
	LIGHT UNIT–1	
	ALUMINUM MAST ARM	
	STEEL MAST ARM	
	HIGH MAST POLE	
	RR CROSSBUCK	
	RR FLASHING SIGNAL	
	RR CROSSING GATE	
	SOIL BORING	
	DECIDUOUS TREE	
	CONIFEROUS TREE	
	BUSH	
	WOODS & BUSH LINE	
+XXX.X	SPOT GRADE	+XXX.X
	SIGN	
	BOLLARD	
	MAILBOX	
	SIREN	
	FLAG POLE	
	PAVEMENT REMOVAL & REPLACEMENT	
	TREE TRUNK PROTECTION REQUIRED	Ⓦ 10"ø

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KENDALL COUNTY HIGHWAY DEPARTMENT

INDEX OF SHEETS AND LEGEND

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.–RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	2
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

1. THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2022, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIFICATIONS AND PROVISIONS ADOPTED JAN. 1, 2022, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EIGHTH EDITION, DATED 2020, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS AND DETAILS, SPECIAL PROVISIONS AND CODES AND ORDINANCES OF THE VILLAGE OF NEWARK AND KENDALL COUNTY, ILLINOIS SHALL GOVERN APPLICABLE PORTIONS OF THIS PROJECT.

2. THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGMEN AND OTHER CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

3. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES, UTILITIES AND PIPE LINES.

4. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND COUNTY, SO THAT THE CONFLICT MAY BE RESOLVED.

5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT 811 OR 1-800-892-0123 AT LEAST TEN DAYS PRIOR TO CONSTRUCTION SO THAT EACH UTILITY COMPANY CAN STAKE OUT ANY UNDERGROUND IMPROVEMENTS THAT MAY INTERFERE WITH THE PROPOSED CONSTRUCTION.

6. THE CONTRACTOR SHALL BE REQUIRED TO MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS, STRUCTURES, POLES, CABLES AND PIPE LINES, BEFORE CONSTRUCTION BEGINS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER AND COUNTY AT HIS OWN EXPENSE.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC 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 ENGINEER AND COUNTY BY THE CONTRACTOR AT HIS OWN EXPENSE.

8. THE CONTRACTOR SHALL EXAMINE THE PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF/HERSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL OTHER PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A PROPOSAL.

9. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LATEST CODE REQUIREMENTS.

10. PRIOR TO SUBMITTING HIS/HER BID, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE/SHE DEEM INADEQUATE AND TO ANY ITEM OF WORK OMITTED.

11. THE PAY ITEMS SHALL BE AS NOTED IN THE SUMMARY OF QUANTITIES AND PROPOSAL. ANY ITEM OF WORK THAT IS SHOWN ON THE PLANS TO BE PERFORMED BY THE CONTRACTOR, FOR WHICH THERE IS NO PAY ITEM, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT.

12. FRAMES, GRATES AND LIDS FOR STRUCTURES SHALL BE AS INDICATED WITHIN THESE IMPROVEMENT PLANS.

13. ALL FINAL ADJUSTMENTS OF CASTING WILL BE ACCOMPLISHED BY THE USE OF PRECAST CONCRETE ADJUSTING RINGS SET IN BUTYL ROPE JOINT SEALANT, MORTAR JOINTS WILL NOT BE ALLOWED. TOTAL HEIGHT OF ADJUSTING RINGS USED SHALL NOT EXCEED EIGHT (8") INCHES. COST FOR ADJUSTMENT IS CONSIDERED INCIDENTAL.

14. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ON GRADE AND COORDINATE WITH OTHER CONTRACTORS ALL UNDERGROUND STRUCTURE FRAMES SUCH AS CATCH BASINS, INLETS, MANHOLES, HYDRANTS, BUFFALO BOXES, VALVES, ETC. NO ADDITIONAL COMPENSATION SHALL BE PAID AND SAID ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF CONSTRUCTION.

15. THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL USE. THIS SHALL INCLUDE FINISH GRADING, ESTABLISHMENT OF A VEGETATIVE COVER (SEEDING OR SOD), GENERAL CLEANUP AND PAVEMENT REPLACEMENT.

16. ALL TRENCHES CAUSED BY THE CONSTRUCTION OF STORM AND SANITARY SEWERS AND THE EXCAVATION AROUND CATCH BASINS, MANHOLES, INLETS AND OTHER APPURTENANCES WHICH OCCUR WITHIN THE LIMITS OF EXISTING OR PROPOSED PAVEMENTS, SIDEWALKS AND CURB AND GUTTERS OR WHERE THE EDGE OF THE TRENCH SHALL BE WITHIN TWO (2') FEET OF SAID IMPROVEMENTS SHALL BE BACKFILLED WITH COMPACTED GRANULAR TRENCH BACKFILL OR WITH APPROVED SUITABLE SELECT MATERIAL AND PROPERLY COMPACTED AND MEASURED IN ACCORDANCE WITH IDOT STANDARDS FOR TRENCH WIDTHS.

17 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

18. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING. SEE SPECIAL PROVISIONS.

19. THE CONTRACTOR SHALL INFORM THE COUNTY ENGINEER BEFORE WORK COMMENCES ON EACH CATEGORY OF CONSTRUCTION, E.G. WATER MAIN, STORM SEWER, GRADING, PAVEMENT AND DRAINAGE IMPROVEMENT. A TWENTY-FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION SUCH AS WATER MAINS OR SANITARY SEWERS.

20. ALL LOT IRONS DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY THE ENGINEER AND SAID COST OF REPLACEMENT SHALL BE PAID BY THE CONTRACTOR.

21. THE CONTRACTOR WILL HAVE IN HIS POSSESSION ON THE JOB SITE A COPY OF THE PLANS AND SPECIFICATIONS DURING CONSTRUCTION.

22. IF ANY APPROVED EQUAL ITEMS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROVAL.

23. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED BY THE CONTRACTOR DURING THE INSTALLATION OF THE IMPROVEMENTS SHALL BE RETURNED TO ORIGINAL CONDITION. THIS WORK IS TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.

24. NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND.

25. RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE SITE IMPROVEMENTS ARE COMPLETED. ANY CHANGE IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED.

26. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY REQUIRED INSPECTIONS WITH THE COUNTY AND THE VILLAGE OF NEWARK.

27. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

28. THE ENGINEER AND COUNTY ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

SOIL EROSION AND SEDIMENTATION CONTROL

THE CONTRACTOR SHALL PROVIDE SOIL EROSION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH THE "THE ILLINOIS URBAN MANUAL PUBLISHED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE – NATURAL RESOURCE CONSERVATION SERVICE FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (LATEST EDITION), IN ACCORDANCE WITH THE PLANS.

SOIL STABILIZATION

1. TOPSOIL AND VEGETATIVE COVER – STRIP TOPSOIL AND REMOVE EXISTING VEGETATION. STOCKPILE ON-SITE (FOR REUSE) AT LOCATION DESIGNATED.
2. TEMPORARY SEEDING – TEMPORARY SEEDING SHALL BE PROVIDED WITHIN 15 DAYS TO ANY DISTURBED AREAS THAT ARE SCHEDULED TO REMAIN DENUDED FOR LONGER THAN 60 DAYS.
3. PERMANENT SEEDING – IMMEDIATELY FOLLOWING FINISH GRADING AND TOPSOIL PLACEMENT INSTALL SEEDING OR SOD IN AREAS AS DESIGNATED ON PLANS.
4. PAVED AREAS – INSTALL THE AGGREGATE BASE AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE TO PROVIDE REQUIRED STABILIZATION.
5. SLOPE PROTECTION – PROTECT SEEDING ON STEEP SLOPES WITH EXCELSIOR BLANKET.

SEDIMENT CONTROL

1. ADJACENT PROPERTY – PROTECT ADJACENT PROPERTY FROM SEDIMENT DEPOSITION BY PRESERVING A VEGETATED BUFFER STRIP OR BY SEDIMENT BARRIERS OR FILTERS AT THE LOWER PERIMETER OF THE RIGHT-OF-WAY.
2. SEDIMENTATION CONTROL SHALL BE PROVIDED IN ALL AREAS AROUND THE PERIMETER OF ALL STOCKPILE AREAS.
3. STORM SEWER INLET PROTECTION – INLET PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND THE DETAILS IN THE PLANS BEFORE IT ENTERS ANY STORM SEWERS.
4. DITCH CHECKS SHALL BE PLACE AT 250 LINEAL FEET MAXIMUM SPACING IN ALL SWALES AND DITCHES.
5. CONSTRUCTION ACCESS – CONSTRUCTION TRAFFIC SHALL ENTER AND LEAVE SITE AT A DESIGNATED ACCESS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO STATE HIGHWAYS OR LOCAL STREETS. IF NECESSARY, STATE HIGHWAYS OR LOCAL STREETS SHALL BE CLEANED DAILY AT THE END OF EACH WORK DAY OR AS REQUIRED TO KEEP MUD AND/OR OTHER DEBRIS OFF OF ANY HIGHWAY OR STREET.
6. REMOVAL OF CONTROL MEASURES – DISPOSE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.

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PLOT DATE = April 1, 2024 @ 4:42 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

GENERAL NOTES

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	3
		CONTRACT NO.		
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SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
1	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	34
2	TEMPORARY ACCESS (ROAD)	EACH	5
3	TEMPORARY ACCESS (COMMERCIAL)	EACH	1
4	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	8,911
5	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,025
6	SIDEWALK REMOVAL	SQ FT	6,320
7	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	115
8	AGGREGATE SHOULDER REMOVAL	SQ YD	1,300
9	EXPLORATION TRENCH, SPECIAL	EACH	50
10	TREE REMOVAL, 6-15 UNITS DIAMETER	UNITS	394
11	TREE REMOVAL, OVER 15 UNITS DIAMTER	UNITS	704
12	LOG CUTTING, <8" DIAMETER, 18"-24" LENGTHS (APPROXIMATELY 450 LF)	EACH	265
13	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,495
14	FURNISHED EXCAVATION	CU YD	445
15	EARTH EXCAVATION	CU YD	1,344
16	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	250
17	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	250
18	SEEDING, CLASS 2A	ACRE	3
19	NITROGEN FERTILIZER NUTRIENT	POUND	270
20	PHOSPHORUS FERTILIZER NUTRIENT	POUND	270
21	POTASSIUM FERTILIZER NUTRIENT	POUND	270
22	EROSION CONTROL BLANKET	SQ YD	14,520
23	TEMPORARY DITCH CHECKS	FOOT	200
24	PERIMETER EROSION BARRIER	FOOT	4,375
25	INLET FILTERS	EACH	30
26	INLET AND PIPE PROTECTION	EACH	5
27	TREE TRUNK PROTECTION	EACH	7

ITEM NO.	ITEM	UNIT	QUANTITY
28	COMBINATION CONCRETE CURB AND GUTTER, TYPE V	FOOT	1,550
29	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12	FOOT	1,836
30	CONCRETE GUTTER, TYPE A	FOOT	120
31	PAVED DITCH, TYPE A-15	FOOT	35
32	STONE RIPRAP, RR2 OVER GEOTEXTILE	SQ YD	11
33	STONE RIPRAP, RR3 OVER GEOTEXTILE	SQ YD	22
34	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	30
35	PAVEMENT REMOVAL	SQ YD	1,172
36	PAVEMENT WIDENING	SQ YD	3,267
37	BITUMINOUS MATERIALS (PRIME COAT)	POUND	7,800
38	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,200
39	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	200
40	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,531
41	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT (COMPLETE)	SQ YD	73
42	HOT-MIX ASPHALT DRIVEWAY PAVEMENT (COMPLETE)	SQ YD	1,520
43	PARTIAL DEPTH PATCHING, SPECIAL (SY YD)	SQ YD	400
44	PARTIAL DEPTH PATCHING, SPECIAL (TON)	TON	150
45	CLASS D PATCHES	SQ YD	750
46	PORTLAND CEMENT CONCRETE SIDEWALK (SPECIAL)	SQ FT	12,325
47	DETECTABLE WARNINGS	SQ FT	100
48	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,700
49	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	7,600
50	REMOVING MANHOLES	EACH	1
51	REMOVING CATCH BASINS	EACH	8
52	WATER VALVE BOXES TO BE ABANDONED	EACH	7
53	FIRE HYDRANTS TO BE REMOVED	EACH	3
54	PIPE CULVERT REMOVAL	FOOT	520

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KENDALL COUNTY HIGHWAY DEPARTMENT

SUMMARY OF ESTIMATED QUANTITIES

SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	4
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
55	SANITARY MANHOLE RECONSTRUCTION, SPECIAL	EACH	3
56	SANITARY MANHOLE FRAME AND LID REMOVE AND REPLACE	EACH	5
57	PIPE CULVERTS, CLASS B, TYPE 1 12"	FOOT	200
58	PIPE CULVERTS, CLASS B, TYPE 1 15"	FOOT	210
59	METAL FLARED END SECTIONS 12"	EACH	8
60	METAL FLARED END SECTIONS 15"	EACH	14
61	STORM SEWER REMOVAL 4"	FOOT	40
62	STORM SEWER REMOVAL 6"	FOOT	35
63	STORM SEWER REMOVAL 8"	FOOT	55
64	STORM SEWER REMOVAL 10"	FOOT	612
65	STORM SEWER REMOVAL 12"	FOOT	50
66	STORM SEWER REMOVAL 15"	FOOT	260
67	STORM SEWERS, CLASS A, TYPE 2, 12"	FOOT	650
68	STORM SEWERS, CLASS A, TYPE 2, 12" (WATER MAIN QUALITY)	FOOT	200
69	STORM SEWERS, CLASS A, TYPE 2, 18"	FOOT	200
70	STORM SEWERS, CLASS A, TYPE 2, 21"	FOOT	95
71	STORM SEWERS, CLASS A, TYPE 2, 24"	FOOT	880
72	STORM SEWERS, CLASS A, TYPE 2, 30"	FOOT	560
73	PRE-CAST REINFORCED CONCRETE HEADWALL (SPECIAL)	EACH	1
74	MANHOLES, TYPE A, 4'-DIAMETER	EACH	4
75	MANHOLES, TYPE A, 5'-DIAMETER	EACH	13
76	CATCH BASINS, TYPE C, 2'-DIAMETER	EACH	8
77	INLETS, TYPE A, 2'-DIAMETER	EACH	12
78	INLETS, TYPE B, 3'-DIAMETER	EACH	5
79	NEENAH R-2502-D FRAME AND GRATE	EACH	9
80	NEENAH R-3506-A2 FRAME AND GRATE	EACH	8
81	NEENAH R-1772 FRAME AND GRATE	EACH	11

ITEM NO.	ITEM	UNIT	QUANTITY
82	NEENAH R-3501-PL FRAME AND GRATE	EACH	8
83	NEENAH R-4342 FRAME AND GRATE	EACH	5
84	NEENAH R-1712 FRAME AND GRATE	EACH	1
85	CONNECTION TO EXISTING STORM MANHOLE OR STORM SEWER	EACH	3
86	CONNECTION TO EXISTING WATER MAIN	EACH	6
87	DISCONNECT AND ABANDON EXISTING WATER MAIN	L SUM	1
88	DUCTILE IRON WATER MAIN, CLASS 52, 8"	FOOT	2,429
89	WATER SERVICE CONNECTION, 1-INCH (COMPLETE)	EACH	16
90	WATER SERVICE CONNECTION, 2-INCH (COMPLETE)	EACH	1
91	FIRE HYDRANT ASSEMBLY, INCL. AUXILIARY VALVE, VALVE BOX AND TEE	EACH	8
92	WATER VALVE AND VALVE BOX, 8"	EACH	9
93	WATER VALVE, 8" AND VALVE VAULT, 48"	EACH	2
94	WATER VALVE AND VALVE BOX, 6", TEMPORARY	EACH	9
95	HYDROSTATIC TESTS AND DISINFECTION OF WATER MAIN	L SUM	1
96	PAVER SIDEWALK REMOVAL AND SALVAGE	L SUM	1
97	SEGMENTAL BLOCK RETAINING WALL	SQ FT	65
98	BLOCK RETAINING WALL, REMOVE AND RESET	FOOT	6
99	NON SPECIAL WASTE DISPOSAL	CU YD	1,500
100	SOIL DISPOSAL ANALYSIS	L SUM	1
101	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
102	CHANGEABLE MESSAGE SIGN	CAL DA	120
103	TEMPORARY PAVEMENT MARKING LINE, 4", TYPE III, TAPE	FOOT	11,400
104	SIGN PANEL T1	SQ FT	48
105	TELESCOPING STEEL SIGN SUPPORT	FOOT	100
106	POLYURETHANE PAVEMENT MARKING T1 LINE 4"	FOOT	11,025
107	RELOCATE EXISTING MAILBOX	EACH	24

Plotted: August 14, 2024 @ 8:39 AM By: John Whitehouse -- Model Name: 05 SOQ 22x34
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-COVER

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 14, 2024 @ 8:39 AM	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

SUMMARY OF ESTIMATED QUANTITIES

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	5
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: August 14, 2024 @ 8:39 AM By: John Whitehouse -- Model Name: 05 SOQ 22x34
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-COVER

① EXISTING PAVEMENT X-SECTION.
TYPICALLY 5" MIN. HMA
OVER 4" MIN. AGGREGATE.

② SAW CUT

③ PAVEMENT REMOVAL,
VARIABLE WIDTH FOR WIDENING. (TYP.)

④ VARIABLE DEPTH MILLING, IF ANY

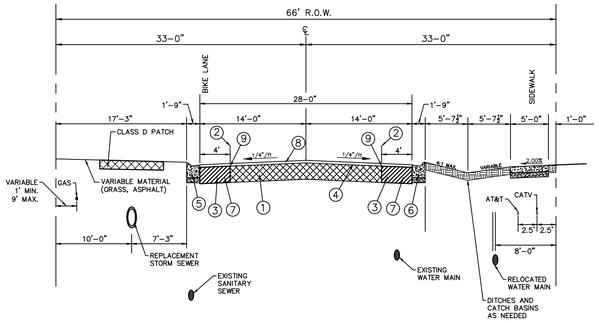
⑤ V-TYPE CURB & GUTTER, USE NEEN.
R-3508-A2 FOR ALL CONDITIONS.
MIN. 4" AGG. BASE

⑥ M-3.12 OR CURB & GUTTER, USE NEEN.
R-3501-P FOR PONDING CONDITIONS AND
R-3501-PR/PL FOR HIGH FLOW CONDITIONS.
MIN. 4" AGG. BASE

⑦ 4' PAVEMENT WIDENING, AFTER PAVEMENT
REMOVAL, WITH 4" AGG. BASE
PLUS 6" HMA BINDER (3 LIFTS)

⑧ HMA SURFACE COURSE, 2"

⑨ STRIP REFLECTIVE CRACK CONTROL
TREATMENT



10+00 (Start) to 19+00

① EXISTING PAVEMENT X-SECTION.
TYPICALLY 8" MIN. HMA
OVER 2" MIN. AGGREGATE.

② SAW CUT

③ PAVEMENT REMOVAL,
VARIABLE WIDTH FOR WIDENING. (TYP.)

④ VARIABLE DEPTH MILLING, IF ANY

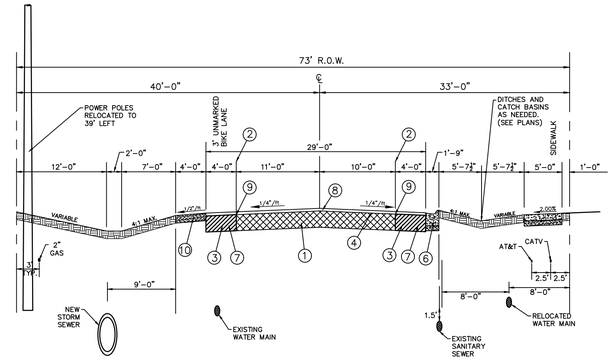
⑥ M-3.12 OR CURB & GUTTER, USE NEEN.
R-3501-P FOR PONDING CONDITIONS AND
R-3501-PR/PL FOR HIGH FLOW CONDITIONS.
MIN. 4" AGG. BASE

⑦ 4' PAVEMENT WIDENING, AFTER PAVEMENT
REMOVAL, WITH 4" AGG. BASE
PLUS 6" HMA BINDER (3 LIFTS)

⑧ HMA SURFACE COURSE, 2"

⑨ STRIP REFLECTIVE CRACK CONTROL
TREATMENT

⑩ AGGREGATE SHOULDER, TYPE "B", 6"



19+00 to 23+00

① EXISTING PAVEMENT X-SECTION.
TYPICALLY 7" MIN. HMA
OVER 2" MIN. AGGREGATE.

② SAW CUT

③ PAVEMENT REMOVAL,
VARIABLE WIDTH FOR WIDENING. (TYP.)

④ VARIABLE DEPTH MILLING, IF ANY

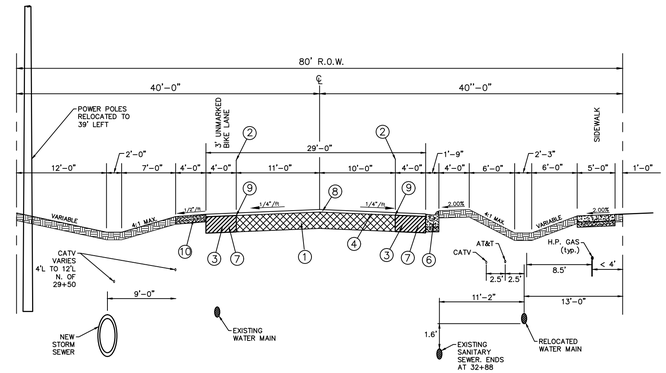
⑥ M-3.12 OR CURB & GUTTER, USE NEEN.
R-3501-P FOR PONDING CONDITIONS AND
R-3501-PR/PL FOR HIGH FLOW CONDITIONS.
MIN. 4" AGG. BASE

⑦ 4' PAVEMENT WIDENING, AFTER PAVEMENT
REMOVAL, WITH 4" AGG. BASE
PLUS 6" HMA BINDER (3 LIFTS)

⑧ HMA SURFACE COURSE, 2"

⑨ STRIP REFLECTIVE CRACK CONTROL
TREATMENT

⑩ AGGREGATE SHOULDER, TYPE "B", 6"



23+00 to 34+78 (VILLAGE LIMIT)

① EXISTING PAVEMENT X-SECTION.
TYPICALLY 10" MIN. HMA
OVER 9" MIN. AGGREGATE.

② SAW CUT

③ PAVEMENT REMOVAL,
VARIABLE WIDTH FOR WIDENING. (TYP.)

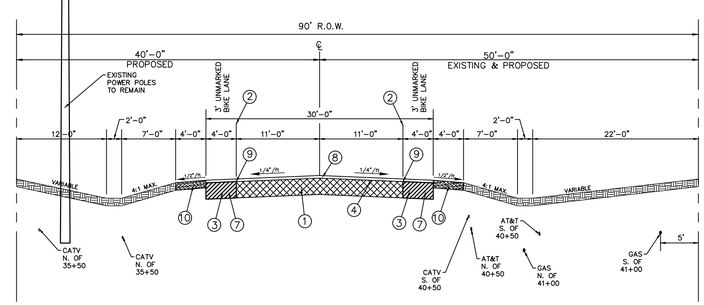
④ VARIABLE DEPTH MILLING, IF ANY

⑦ 4' PAVEMENT WIDENING, AFTER PAVEMENT
REMOVAL, WITH 4" AGG. BASE
PLUS 6" HMA BINDER (3 LIFTS)

⑧ HMA SURFACE COURSE, 2"

⑨ STRIP REFLECTIVE CRACK CONTROL
TREATMENT

⑩ AGGREGATE SHOULDER, TYPE "B", 6"



34+78 (VILLAGE LIMIT) to 46+75 (End)

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = August 30, 2024 @ 12:15 PM	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT

PROPOSED TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	6
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG
Plotted: August 30, 2024 @ 12:15 PM By: John Whitehouse - Model Name: 6-P-XS
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

EARTHWORK TABLE

STA	Earth Ex (SQ.FT)	Embankment (SQ.FT)	Unsuitable Ex (SQ.FT)	Topsoil	PGE (SQ.FT)	Length (FT) A	Avergae End Area: Earth Ex (SQ.FT) B	Embankment (SQ.FT) C	Unsuitable Ex (SQ.FT) D	Topsoil (SQ.FT) E	PGE (SQ.FT) F	Volume: Earth Ex (CU YD) G=(A*B)/27	Embankment (CU YD) I=(A*C)/27	Topsoil (CU YD) L=(A*E)/27	PGE (CU YD) M=(A*F)/27
10+02	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00	0.00	0.00
10+50	15.20	1.87	0.00	14.91	1.46	48.00	7.60	0.94	0	7.46	0.73	13.51	1.66	13.25	1.30
11+00	15.99	6.76	0.00	8.31	1.06	50.00	15.60	4.32	0	11.61	1.26	28.88	7.99	21.50	2.33
11+50	17.49	3.54	0.00	2.82	1.19	50.00	16.74	5.15	0	5.57	1.13	31.00	9.54	10.31	2.08
11+70	20.38	3.80	0.00	4.35	1.20	20.00	18.94	3.67	0	3.59	1.20	14.03	2.72	2.66	0.89
12+00	25.36	3.25	0.00	4.67	1.05	30.00	22.87	3.52	0	4.51	1.13	25.41	3.91	5.01	1.25
12+50	16.99	2.35	0.00	7.44	1.26	50.00	21.18	2.80	0	6.06	1.16	39.21	5.18	11.21	2.14
13+00	0.98	0.00	0.00	2.03	0.00	50.00	8.99	1.18	0	4.74	0.63	16.64	2.18	8.77	1.17
13+20	0.00	0.00	0.00	0.00	0.00	20.00	0.49	0.00	0	1.02	0.00	0.36	0.00	0.75	0.00
13+50	1.66	0.00	0.00	6.47	0.00	30.00	0.83	0.00	0	3.24	0.00	0.92	0.00	3.59	0.00
14+00	0.00	0.00	0.00	6.61	0.00	50.00	0.83	0.00	0	6.54	0.00	1.54	0.00	12.11	0.00
14+42	0.00	0.00	0.00	5.63	0.00	42.00	0.00	0.00	0	6.12	0.00	0.00	0.00	9.52	0.00
14+50	0.00	0.00	0.00	5.63	0.00	8.00	0.00	0.00	0	5.63	0.00	0.00	0.00	1.67	0.00
15+00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0	2.82	0.00	0.00	0.00	5.21	0.00
15+50	0.00	0.00	0.00	5.63	0.00	50.00	0.00	0.00	0	2.82	0.00	0.00	0.00	5.21	0.00
16+00	0.00	0.00	0.00	5.77	0.00	50.00	0.00	0.00	0	5.70	0.00	0.00	0.00	10.56	0.00
16+50	10.17	0.00	0.00	0.00	0.00	50.00	5.09	0.00	0	2.89	0.00	9.42	0.00	5.34	0.00
17+00	10.07	3.94	0.00	7.92	5.69	50.00	10.12	1.97	0	3.96	2.85	18.74	3.65	7.33	5.27
17+50	9.71	4.04	0.00	8.25	5.28	50.00	9.89	3.99	0	8.09	5.49	18.31	7.39	14.97	10.16
18+00	0.00	0.00	0.00	0.00	0.00	50.00	4.86	2.02	0	4.13	2.64	8.99	3.74	7.64	4.89
18+13	0.00	0.00	0.00	0.00	0.00	13.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
18+50	13.25	1.54	0.00	5.76	0.00	37.00	6.63	0.77	0	2.88	0.00	9.08	1.06	3.95	0.00
19+00	16.94	3.06	0.00	5.63	0.00	50.00	15.10	2.30	0	5.70	0.00	27.95	4.26	10.55	0.00
19+50	31.58	4.30	0.00	14.92	0.46	50.00	24.26	3.68	0	10.28	0.23	44.93	6.81	19.03	0.43
19+77	21.16	2.22	0.00	7.96	0.00	27.00	26.37	3.26	0	11.44	0.23	26.37	3.26	11.44	0.23
20+00	44.10	2.62	0.00	5.63	1.24	23.00	32.63	2.42	0	6.80	0.62	27.80	2.06	5.79	0.53
20+50	43.09	10.70	0.00	13.64	3.83	50.00	43.60	6.66	0	9.64	2.54	80.73	12.33	17.84	4.69
20+72	30.29	6.95	0.00	7.89	0.00	22.00	36.69	8.83	0	10.77	1.92	29.90	7.19	8.77	1.56
21+00	42.32	6.27	0.00	14.19	0.00	28.00	36.31	6.61	0	11.04	0.00	37.65	6.85	11.45	0.00
21+50	46.42	11.10	0.00	13.47	0.00	50.00	44.37	8.69	0	13.83	0.00	82.17	16.08	25.61	0.00
21+80	25.94	7.43	0.00	7.52	0.00	30.00	36.18	9.27	0	10.50	0.00	40.20	10.29	11.66	0.00
22+00	35.24	9.06	0.00	14.95	0.00	20.00	30.59	8.25	0	11.24	0.00	22.66	6.11	8.32	0.00
22+50	30.38	11.18	0.00	14.99	0.00	50.00	32.81	10.12	0	14.97	0.00	60.76	18.74	27.72	0.00
23+00	35.59	14.82	0.00	14.86	0.00	50.00	32.99	13.00	0	14.93	0.00	61.08	24.07	27.64	0.00
23+50	19.85	11.72	0.00	6.45	0.00	50.00	27.72	13.27	0	10.66	0.00	51.33	24.57	19.73	0.00
23+57	19.58	12.81	0.00	6.34	0.00	7.00	19.72	12.27	0	6.40	0.00	5.11	3.18	1.66	0.00
24+00	37.55	21.86	0.00	15.38	0.00	43.00	28.57	17.34	0	10.86	0.00	45.49	27.61	17.30	0.00
24+50	38.68	22.76	0.00	16.02	0.00	50.00	38.12	22.31	0	15.70	0.00	70.58	41.31	29.07	0.00
25+00	31.31	21.95	0.00	17.24	0.00	50.00	35.00	22.36	0	16.63	0.00	64.81	41.40	30.80	0.00
25+29	15.05	15.71	0.00	10.03	0.00	29.00	23.18	18.83	0	13.64	0.00	24.90	20.22	14.65	0.00
25+50	35.40	26.08	0.00	18.81	0.00	21.00	25.23	20.90	0	14.42	0.00	19.62	16.25	11.22	0.00
26+00	38.09	25.59	0.00	17.82	0.00	50.00	36.75	25.84	0	18.32	0.00	68.05	47.84	33.92	0.00
26+43	12.57	15.16	0.00	9.76	0.00	43.00	25.33	20.38	0	13.79	0.00	40.34	32.45	21.96	0.00
26+50	12.19	14.87	0.00	9.71	0.00	7.00	12.38	15.02	0	9.74	0.00	3.21	3.89	2.52	0.00
27+00	17.25	14.27	0.00	18.52	0.00	50.00	14.72	14.57	0	14.12	0.00	27.26	26.98	26.14	0.00
27+14	18.48	14.26	0.00	6.91	0.00	14.00	17.87	14.27	0	12.72	0.00	9.26	7.40	6.59	0.00
27+50	20.86	14.32	0.00	7.34	0.00	36.00	19.67	14.29	0	7.13	0.00	26.23	19.05	9.50	0.00
27+75	18.42	14.65	0.00	7.13	0.00	25.00	19.64	14.49	0	7.24	0.00	18.19	13.41	6.70	0.00
28+00	21.59	14.92	0.00	8.49	0.00	25.00	20.01	14.79	0	7.81	0.00	18.52	13.69	7.23	0.00
28+50	14.74	15.81	0.00	20.12	0.00	50.00	18.17	15.37	0	14.31	0.00	33.64	28.45	26.49	0.00
28+96	12.27	16.37	0.00	13.98	0.00	46.00	13.51	16.09	0	17.05	0.00	23.01	27.41	29.05	0.00
29+00	14.30	16.95	0.00	14.30	0.00	4.00	13.29	16.66	0	14.14	0.00	1.97	2.47	2.09	0.00
29+50	10.00	17.13	0.00	34.33	0.00	50.00	12.15	17.04	0	24.32	0.00	22.50	31.56	45.03	0.00
29+93	8.65	14.83	0.00	15.12	0.00	43.00	9.33	15.98	0	24.73	0.00	14.85	25.45	39.38	0.00
30+00	8.49	14.41	0.00	14.46	0.00	7.00	8.57	14.62	0	14.79	0.00	2.22	3.79	3.83	0.00
30+50	13.66	13.21	0.00	22.66	0.00	50.00	11.08	13.81	0	18.56	0.00	20.51	25.57	34.37	0.00
30+75	16.46	13.07	0.00	6.85	0.00	25.00	15.06	13.14	0	14.76	0.00	13.94	12.17	13.66	0.00
31+00	17.78	12.71	0.00	23.84	0.00	25.00	17.12	12.89	0	15.35	0.00	15.85	11.94	14.21	0.00
31+50	19.01	12.88	0.00	11.01	0.00	50.00	18.40	12.80	0	17.43	0.00	34.06	23.69	32.27	0.00
32+00	26.51	21.90	0.00	12.89	0.00	50.00	22.76	17.39	0	11.95	0.00	42.15	32.20	22.13	0.00
32+50	31.31	17.15	0.00	13.82	0.00	50.00	28.91	19.53	0	13.36	0.00	53.54	36.16	24.73	0.00
32+83	30.84	12.00	0.00	7.66	0.00	33.00	31.08	14.58	0	10.74	0.00	37.98	17.81	13.13	0.00
33+00	34.95	14.86	0.00	18.28	0.00	17.00	32.90	13.43	0	12.97	0.00	20.71	8.46	8.17	0.00
33+50	46.37	14.46	0.00	18.03	0.00	50.00	40.66	14.66	0	18.16	0.00	75.30	27.15	33.62	0.00
33+78	27.55	7.44	0.00	7.31	0.00	28.00	36.96	10.95	0	12.67	0.00	38.33	11.36	13.14	0.00
34+00	34.19	7.32	0.00	9.74	0.00	22.00	30.87	7.38	0	8.53	0.00	25.15	6.01	6.95	0.00
34+50	42.15	14.82	0.00	12.44	0.00	50.00	38.17	11.07	0	11.09	0.00	70.69	20.50	20.54	0.00
35+00	50.93	22.95	0.00	17.11	0.00	50.00	46.54	18.89	0	14.78	0.00	86.19	34.97	27.36	0.00
35+50	25.39	16.75	0.00	14.36	0.00	50.00	38.16	19.85	0	15.74	0.00	70.67	36.76	29.14	0.00
36+00	29.16	18.38	0.00	10.41	0.00	50.00	27.28	17.57	0	12.39	0.00	50.51	32.53	22.94	0.00
36+50	20.26	19.71	0.00	10.05	0.00	50.00	24.71	19.05	0	10.23	0.00	45.76	35.27	18.94	0.00
37+00	21.52	22.21	0.00	10.43	0.00	50.00	20.89	20.96	0	10.24	0.00	38.69	38.81	18.96	0.00
37+50	8.65	7.93	0.00	5.19	0.00	50.00	15.09	15.07	0	7.81	0.00	27.94	27.91	14.46	0.00
38+00	16.59	18.32	0.00	7.78	0.00	50.00	12.62	13.13	0	6.49	0.00	23.37	24.31	12.01	0.00
38+50	19.54	19.36	0.00	11.15	0.00	50.00	18.07	18.84	0	9.47	0.00	33.45	34.89	17.53	0.00
39+00	17.08	18.74	0.00	9.63	0.00	50.00	18.31	19.05	0	10.39	0.00	33.91	35.28	19.24	0.00
39+50	11.10	9.57	0.00	3.05	0.00	50.00	14.09	14.16	0	6.34	0.00	26.09	26.21	11.74	0.00
39+93	9.70	10.38	0.00	9.96	0.00	43.00	10.40	9.98	0	6.51	0.00	16.56	15.89	10.36	0.00
40+00	12.41	10.96	0.00	8.82	0.00	7.00	11.06	10.67	0	9.39	0.00	2.87	2.77	2.43	0.00
40+50	25.85	18.66	0.00	10.16	0.00	50.00	19.13	14.81	0	9.49	0.00	35.43	27.43	17.57	0.00
41+00	22.59	20.15	0.00	10.75	0.00	50.00	24.22	19.41	0	10.46	0.00	44.85	35.94	19.36	0.00
41+50	19.45	20.25	0.00	9.76	0.00	50.00	21.02	20.20	0	10.26	0.00	38.93	37.41	18.99	0.00
42+00	19.40	22.00	0.00	22.94	0.00	50.00	19.43	21.13	0	16.35	0.00	35.97	39.12	30.28	0.00
42+50	16.08	19.55	0.00	15.76	0.00	50.00	17.74	20.78	0	19.35	0.00	32.85	38.47	35.83	0.00
43+00	8.51	11.98	0.00	4.02	0.00	50.00	12.30	15.77	0	9.89	0.00	22.77	29.19	18.31	0.00
43+08	7.35	10.53	0.00	3.85	0.00	8.00	7.93	11.26	0	3.94	0.00	2.35	3.33	1.17	0.00
43+50	27.75	25.21	0.00	13.37	0.00	42.00	17.55	17.87	0	8.61	0.00	27.30	27.80	13.39	0.00
44+00	26.42	22.62	0.00	11.98	0.00	50.00	27.09	23.92	0	12.68	0.00	50.16	44.29	23.47	0.00
44+50	27.18	19.16	0.00	12.25	0.00	50.00	26.80	20.89	0	12.12	0.00	49.63	38.69	22.44	0.00
45+00	9.30	8.19	0.00	5.83	0.00	50.00	18.24	13.68	0	9.04	0.00	33.78	25.32	16.74	0.00
45+09	8.91	7.77	0.00	5.88	0.00	9.00	9.11	7.98	0	5.86	0.00	3.04	2.66	1.95	0.00
45+50	28.34	22.64	0.00	15.29	0.00	41.00	18.63	15.21	0	10.59	0.00	28.28	23.09	16.07	0.00
46+00	31.82	24.94	0.00	16.14	0.00	50.00	30.08	23.79	0	15.72	0.00	55.70	44.06	29.10	0.00
46+50	32.61	26.01	0.00	17.67	0.00	50.00	32.22	25.48	0	16.91	0.00	59.66	47.18	31.31	0.00
46+75	31.82	21.41	0.00	18.74	0.00	25.00	32.22	23.71	0	18.21	0.00	29.83	21.95	16.86	0.00
47+00	0.00	0.00	0.00	0.00	0.00	25.00	15.91	10.71	0	9.37	0.00	14.73	9.91	8.68	0.00
											TOTAL	2,839	1,344	1,700	356	1,495	39

Available=	Needed	Furnish	Topsoil	PGE
Total		+ 25%	Excavation	
Less Topsoil		= 445 CY	& Placement	

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = March 25, 2024 @ 11:48 AM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

EARTHWORK TABLE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	66	7
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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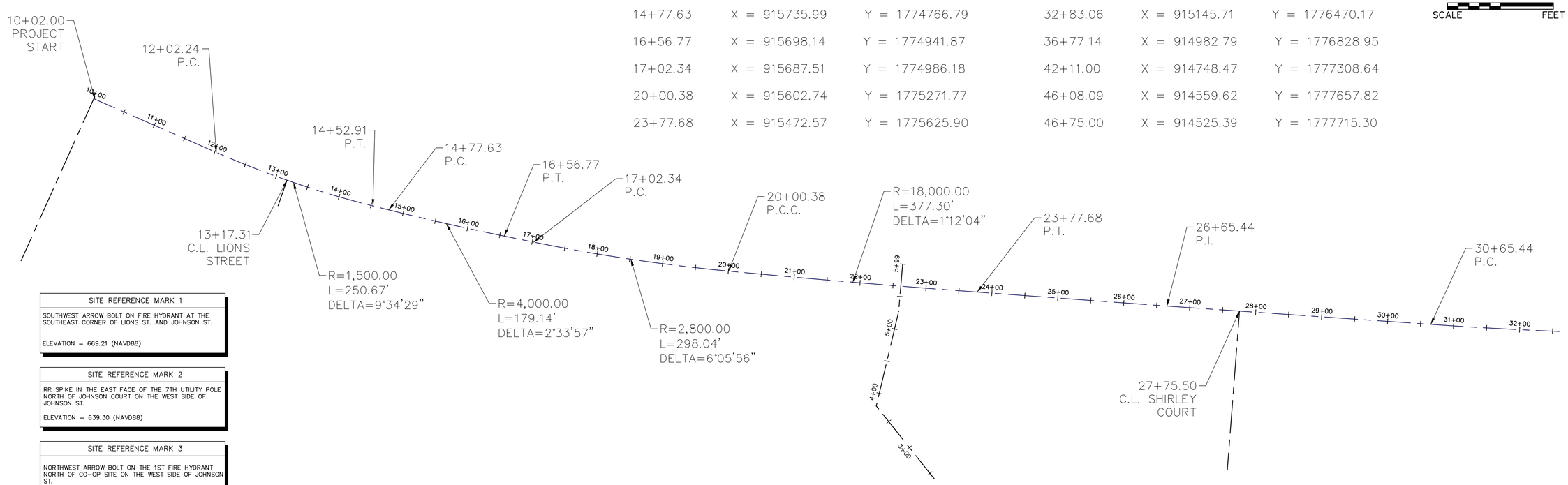
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG
Plotted: March 25, 2024 @ 11:48 AM By: John Whitehouse -- Model Name: 7-EARTHWORK

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

COORDINATE TABLE

10+02	X = 915772.10	Y = 1774293.38	26+65.44	X = 915370.47	Y = 1775894.94
12+02.24	X = 915767.41	Y = 1774493.57	27+75.50	X = 915330.98	Y = 1775997.66
14+52.91	X = 915740.67	Y = 1774742.52	30+65.44	X = 915226.93	Y = 1776268.30
14+77.63	X = 915735.99	Y = 1774766.79	32+83.06	X = 915145.71	Y = 1776470.17
16+56.77	X = 915698.14	Y = 1774941.87	36+77.14	X = 914982.79	Y = 1776828.95
17+02.34	X = 915687.51	Y = 1774986.18	42+11.00	X = 914748.47	Y = 1777308.64
20+00.38	X = 915602.74	Y = 1775271.77	46+08.09	X = 914559.62	Y = 1777657.82
23+77.68	X = 915472.57	Y = 1775625.90	46+75.00	X = 914525.39	Y = 1777715.30

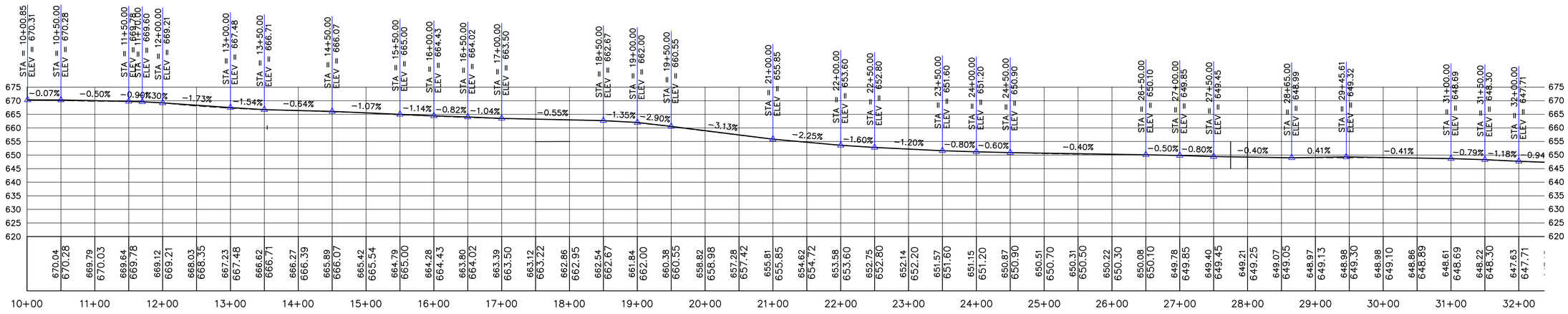
0 80' 160'
SCALE FEET



SITE REFERENCE MARK 1
SOUTHWEST ARROW BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF LIONS ST. AND JOHNSON ST. ELEVATION = 669.21 (NAVD88)

SITE REFERENCE MARK 2
RR SPIKE IN THE EAST FACE OF THE 7TH UTILITY POLE NORTH OF JOHNSON COURT ON THE WEST SIDE OF JOHNSON ST. ELEVATION = 639.30 (NAVD88)

SITE REFERENCE MARK 3
NORTHWEST ARROW BOLT ON THE 1ST FIRE HYDRANT NORTH OF CO-OP SITE ON THE WEST SIDE OF JOHNSON ST. ELEVATION = 657.65 (NAVD88)



SCALE:
HORIZONTAL 1" = 80'
VERTICAL 1" = 10'

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 11:50 AM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

ALIGNMENT AND PROFILE - SOUTH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	8
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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Plotted: July 16, 2024 @ 11:50 AM By: John Whitehouse - Model Name: 8-ALIGN
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

SITE REFERENCE MARK 1
SOUTHWEST ARROW BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF LIONS ST. AND JOHNSON ST. ELEVATION = 669.21 (NAVD88)

SITE REFERENCE MARK 2
RR SPIKE IN THE EAST FACE OF THE 7TH UTILITY POLE NORTH OF JOHNSON COURT ON THE WEST SIDE OF JOHNSON ST. ELEVATION = 639.30 (NAVD88)

SITE REFERENCE MARK 3
NORTHWEST ARROW BOLT ON THE 1ST FIRE HYDRANT NORTH OF CO-OP SITE ON THE WEST SIDE OF JOHNSON ST. ELEVATION = 657.65 (NAVD88)

COORDINATE TABLE

10+02	X = 915772.10	Y = 1774293.38	26+65.44	X = 915370.47	Y = 1775894.94
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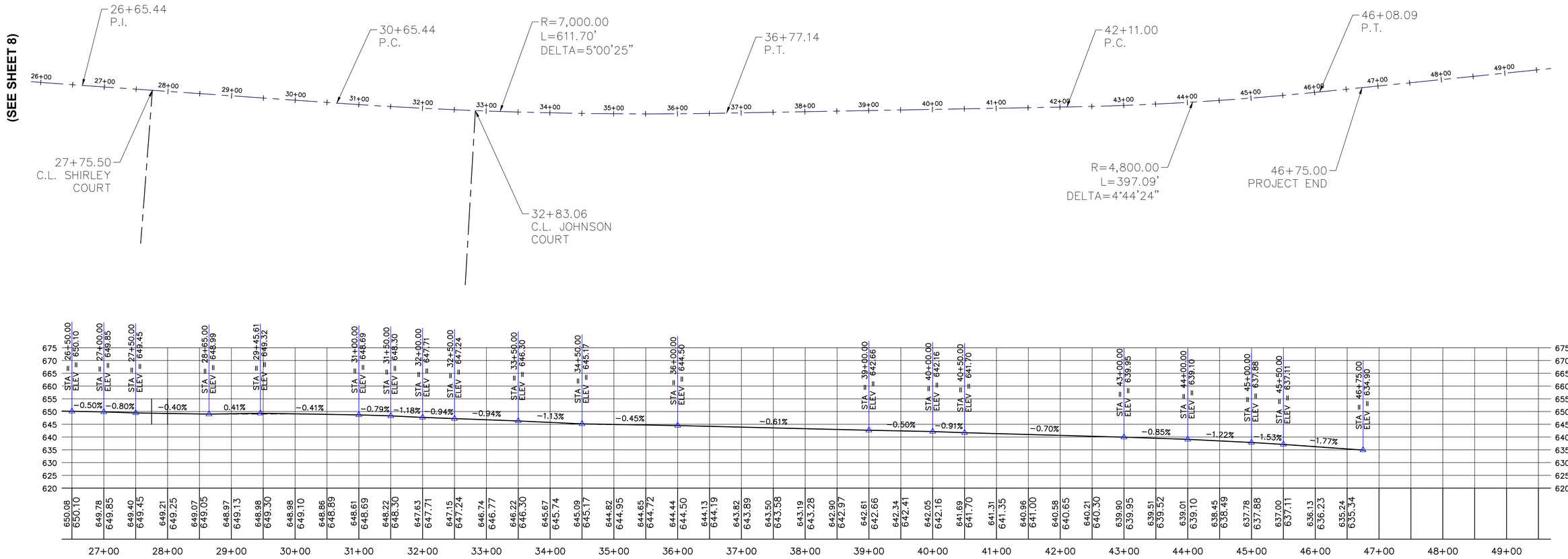
14+52.91	X = 915740.67	Y = 1774742.52	30+65.44	X = 915226.93	Y = 1776268.30
14+77.63	X = 915735.99	Y = 1774766.79	32+83.06	X = 915145.71	Y = 1776470.17
16+56.77	X = 915698.14	Y = 1774941.87	36+77.14	X = 914982.79	Y = 1776828.95
17+02.34	X = 915687.51	Y = 1774986.18	42+11.00	X = 914748.47	Y = 1777308.64
20+00.38	X = 915602.74	Y = 1775271.77	46+08.09	X = 914559.62	Y = 1777657.82
23+77.68	X = 915472.57	Y = 1775625.90	46+75.00	X = 914525.39	Y = 1777715.30

0 80' 160'
SCALE FEET



SCALE:
HORIZONTAL 1" = 80'
VERTICAL 1" = 10'

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = John Whitehouse	DESIGNED -	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT
		DRAWN -	REVISED -	
	PLOT SCALE =	CHECKED -	REVISED -	
	PLOT DATE = July 16, 2024 @ 11:52 AM	DATE -	REVISED -	

ALIGNMENT AND PROFILE - NORTH

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	9
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG
Plotted: July 16, 2024 @ 11:52 AM By: John Whitehouse - Model Name: 9-ALIGN
PATH: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

0 40' 80'
SCALE FEET

JOHNSON STREET

FRONT STREET

JACKSON STREET

LIONS STREET

PERMANENT EASEMENT

TEMPORARY EASEMENT (TYP.)

R.O.W. (TYP.)

= 664.92 8" ABS

C. BASIN 2'ø
RIM = 667.15
INV NE = 665.20
8" ABS

C. BASIN 2'ø
RIM = 667.38
INV SE = 664.98
8" ABS

SANITARY MH 4'ø
RIM = 669.77
INV N,S,W = 652.47 10" VCP
INV S = 661.42 8" VCP

STORM SEWER JUNCTIONS WITHOUT STRUCTURES

SANITARY MH 4'ø
RIM = 669.99
INV = 651.99, 10" N,S
INV = 662.39, 8" E

SANITARY MH 4'ø
RIM = 666.90
INV N,S = 650.38 8" VCP
INV E = 650.38 8" VCP
INV E = 658.15 8" VCP
INV SW = 658.60 6" VCP

VALVE BOX
RIM = 670.21

VALVE BOX
RIM = 670.16
T/NUT = 665.86

STORM MH 2'ø
RIM = 670.32
INV E,S = 668.53 8" DIP
INV W = 668.58 6" DIP

INLET 2'ø
RIM = 669.90
INV W = 668.60 8" DIP

VALVE BOX
RIM = 667.29
T/M = 661.40

6" PVC
INV = 660.34

CATCH BASIN 2'ø
RIM = 666.64
INV W = 665.39 8" CMP
INV = 665.59 6" PVC

CATCH BASIN 2'ø
RIM = 666.21
INV S = 664.86 8" CMP
INV E = 665.16 6" PVC
INV NW,NE = 665.01 6" PVC

CATCH BASIN
RIM = 665.90
INV SW = 000.00 4" PVC

SANITARY MH 4'ø
RIM = 663.47
INV E = 646.62 10" VCP
INV S = 648.72 10" VCP

CATCH BASIN 4'ø
RIM = 662.50
INV N = 658.00 15" RCP
INV SE = 658.00 8" VCP
INV S = 658.20 10" CMP

12" CI
INV = 661.76

8" CI
INV = 661.79

CATCH BASIN 2'ø
RIM = 661.63
INV N = 658.48 10" VCP
INV E = 660.83 6" HDPE

INLET 15"x15"
RIM = 660.14
INV SW,NE = 658.84
6" HDPE

SANITARY MH 4'ø
RIM = 665.41
INV NW = 649.41 8" VCP

CATCH BASIN 2'ø
RIM = 658.65
INV NW,SE = 656.10
15" RCP

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

(SEE SHEET 11)

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 2:25 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

EXISTING CONDITIONS
Sta. 10+00 to 20+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	10
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG
Plotted: August 30, 2024 @ 2:25 PM By: John Whitehouse - Model Name: 10-X-OV
P:\R:H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

(SEE SHEET 10)

(SEE SHEET 12)

SANITARY MH 4'ø
RIM = 660.41
INV NW = 649.41 8" VCP

CATCH BASIN 3'
RIM = 658.65
INV NW,SE = 656.10
15" RCP

12" RCP W/FES
INV = 655.83

CATCH BASIN 2'ø
RIM = 655.59
INV NW = 651.69
10" VCP

R.O.W.
(TYP.)

12" CMP
INV NW = 651.03
INV SE = 651.14

SANITARY MH 4'ø
RIM = 651.09
INV SE,NW = 645.74 8" VCP

SANITARY MH 4'ø
RIM = 649.22
INV SE,NW = 642.87 8" VCP

SANITARY MH 4'ø
RIM = 648.76
INV SE,NW,NE = 641.26 8" VCP

R.O.W.
(TYP.)

SANITARY MH 4'ø
RIM = 648.49
INV SE,NW = 640.09 8" VCP

19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
28+00
29+00
30+00
31+00
5+00
4+00
3+00

R.O.W.
(TYP.)

10" CMP
INV NW = 652.44
INV SE = 653.39

8" CMP
INV NW = 649.06
INV SE = 649.33

DEDICATED R.O.W. LINE
PER DOC. NO. 163481

12" CMP
INV NW = 648.54
INV SE = 648.80

12" CMP
INV = 648.61

DEDICATED R.O.W. LINE
PER DOC. NO. 163481

INLET 2'ø
RIM = 649.55
INV NE = 648.20 12" RCP
INV SE = 648.25 12" CMP

CATCH BASIN 2'ø
T/C = 647.98
INV NW,SW = 645.83
12" RCP

CATCH BASIN 2'ø
T/C = 647.91
INV SE,NE = 645.58
12" RCP

12" CMP
INV = 647.76

12" CMP
INV NW = 647.38
INV SE = 647.19

10" CMP
INV NW = 647.04
INV SE = 647.05

DEDICATED R.O.W. LINE
PER DOC. NO. 163481

SHIRLEY COURT

LOT 8
LOT 7
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1

10" VCP TILE
INV = 642.57

10" VCP
INV = 642.07

12" HDPE
INV = 637.70

CLEAR CREEK

0 40' 80'
SCALE FEET

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Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 2:24 PM	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

EXISTING CONDITIONS
Sta. 20+00 to 30+00

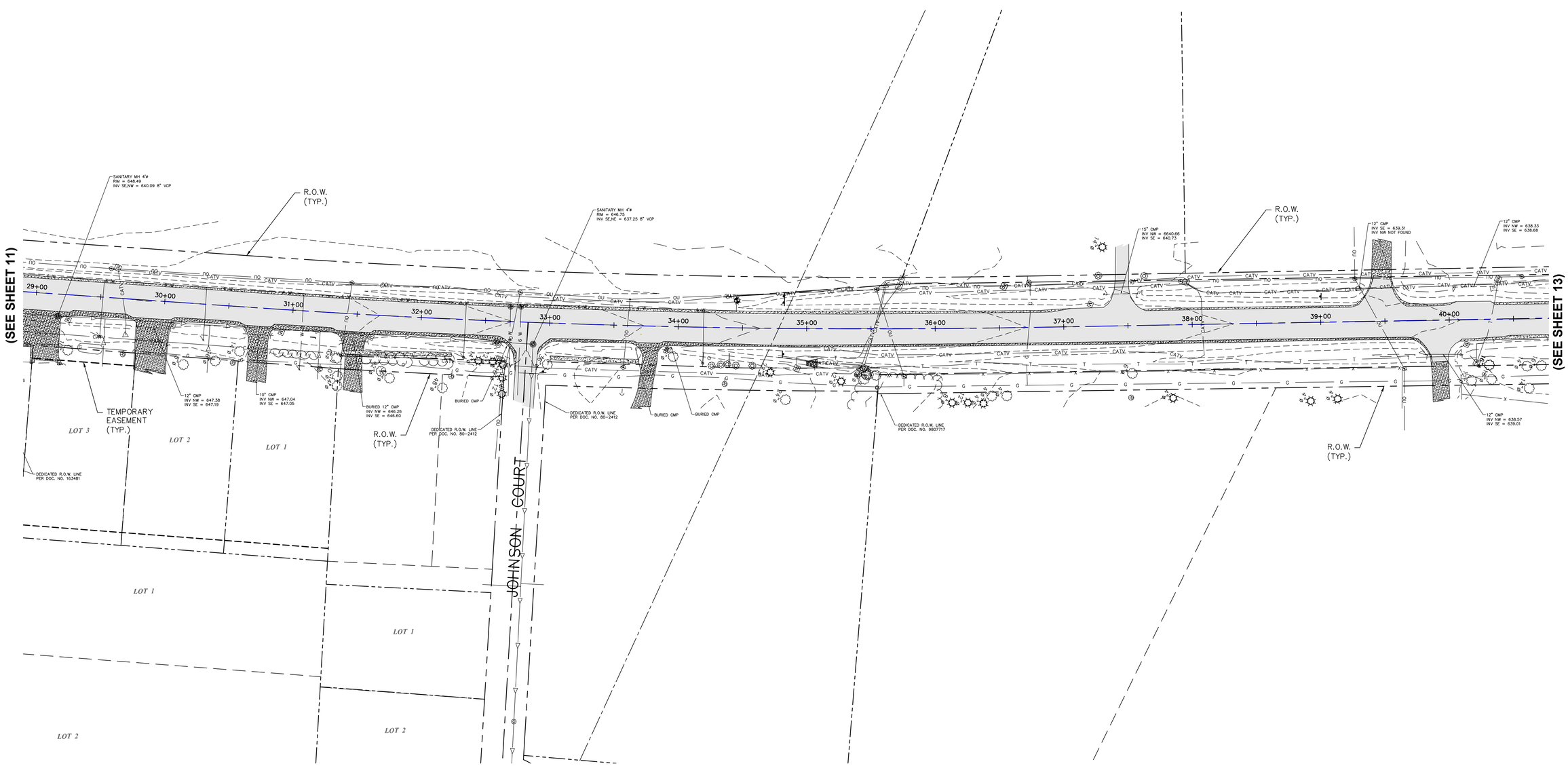
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	11
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

Plotted: August 30, 2024 @ 2:24 PM By: John Whitehouse - Model Name: 11-X-OV

Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG



Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = John Whitehouse	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = August 30, 2024 @ 2:26 PM	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

EXISTING CONDITIONS
Sta. 30+00 to 40+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	12
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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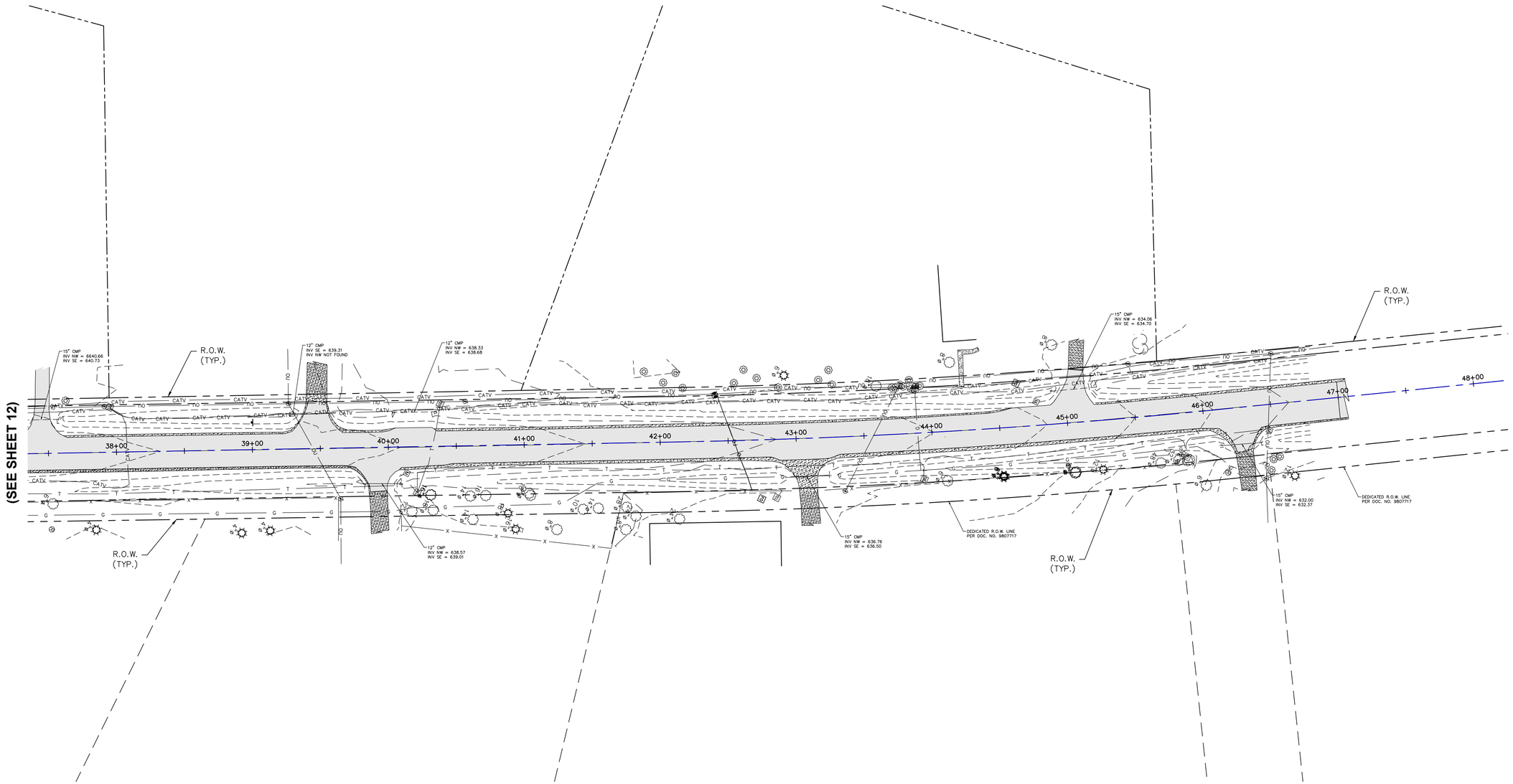
Plotted: August 30, 2024 @ 2:26 PM By: John Whitehouse - Model Name: 12-X-OV
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

Plotted: August 30, 2024 @ 2:27 PM By: John Whitehouse - Model Name: 13-X-OV
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

0 40' 80'
SCALE FEET



Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 2:27 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

EXISTING CONDITIONS
Sta. 40+00 to 46+75

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

F.A.-- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	13
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: August 30, 2024 @ 2:27 PM By: John Whitehouse - Model Name: 13-X-OV
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

0 40' 80'
SCALE FEET

JOHNSON STREET

FRONT STREET

JACKSON STREET

LIONS STREET

STORM REMOVAL (TYP.)

BUTT JOINT (TYP.)

SANITARY MH 4'ø
RIM = 669.72
INV N,S,W = 652.47 10" VCP
INV S = 651.42 8" VCP

STORM SEWER JUNCTIONS WITHOUT STRUCTURES

VALVE BOX
RIM = 670.21

VALVE BOX
RIM = 670.16
T/NUT = 665.86

STORM MH 2'ø
RIM = 670.37
INV E,S = 668.53 8" DIP
INV W = 668.58 8" DIP
(TO BE REMOVED)

INLET 2'ø
RIM = 669.16
INV W = 668.60 8" DIP

SIDEWALK REMOVAL (TYP.)

TREE REMOVAL (TYP.)

HYDRANT REMOVAL (TYP.)

VALVE BOX
RIM = 667.29
T/NUT = 661.99
(TO BE REMOVED)

6" PVC
INV = 666.34

VALVE BOX TO BE REMOVED

CATCH BASIN 2'ø
RIM = 666.64
INV W = 665.39 8" CMP
INV E = 665.59 6" PVC
(TO BE REMOVED)

CATCH BASIN 2'ø
RIM = 666.21
INV S = 664.86 8" CMP
INV E = 665.16 6" PVC
INV NW,NE = 665.01 6" PVC
(TO BE REMOVED)

CATCH BASIN
RIM = 665.00
INV SW = 000.00 4" PVC

C. BASIN 2'ø
RIM = 667.15
INV NE = 665.20
8" ABS

C. BASIN 2'ø
RIM = 667.38
INV SE = 664.98
8" ABS

EX. 4" WATER MAIN TO BE ABANDONED (TYP.)

SANITARY MH 4'ø
RIM = 669.99
INV = 651.99, 10" N,S
INV = 662.39, 8" E

AGGREGATE REMOVAL (TYP.)

REMOVE AND RELOCATE MAILBOX, SIDEWALK AND STAIRS TO BE REMOVED.

ELECTRICAL SERVICE AND FEEDER POLE TO BE RELOCATED BY OTHERS (TYP.)

SANITARY MH 4'ø
RIM = 666.90
INV N,S = 650.38 10" VCP
INV E = 650.38 8" VCP
INV E = 658.15 8" VCP
INV SW = 658.60 6" VCP

GAS TO BE RELOCATED BY OTHERS

STORM REMOVAL (TYP.)

EXIST. R.O.W.

TEMP. EASEMENT

EXIST. EASEMENT

10+00

11+00

12+00

13+00

14+00

15+00

16+00

17+00

18+00

19+00

20+00

SANITARY MH 4'ø
RIM = 663.47
INV E = 646.82 10" VCP
INV S = 648.72 10" VCP

CATCH BASIN 4'ø
RIM = 662.50
INV N = 658.00 15" RCP
INV SE = 658.00 8" VCP
INV S = 658.20 10" CMP
(TO BE REMOVED)

SANITARY MH 4'ø
RIM = 660.41
INV NW = 649.41 8" VCP

CATCH BASIN 2'ø
RIM = 658.65
INV NW,SE = 656.10
15" RCP
(TO BE REMOVED)

WATER SERVICE TO BE ABANDONED (TYP.)
INV = 661.76

12" CI
8" CI
INV = 661.79

CULVERT REMOVAL

CATCH BASIN 2'ø
RIM = 661.63
INV N = 658.48 10" VCP
INV E = 660.83 6" HDPE
(TO BE REMOVED)

INLET 15"x15"
RIM = 660.14
INV SW,NE = 658.84
6" HDPE

TREE REMOVAL (TYP.)

MAILBOX TO BE REMOVED, SALVAGED, AND RELOCATED (TYP.)

AGGREGATE REMOVAL (TYP.)

SIDEWALK PAVERS REMOVAL AND SALVAGE (37 SF). PAVER REMOVAL AND REPLACEMENT FROM NEW SIDEWALK TO T.E. LINE (40 SF).

BLOCK RETAINING WALL REMOVAL (6 LF) AND RESET PARALLEL WITH SIDEWALK, PLUS PLUS ADDITIONAL AS NEEDED TO MATCH YARD GRADE (±6 LF) WALL ± 24" TALL x 12" WIDTH.

DRIVEWAY REMOVAL (TYP.)

TREE REMOVAL (TYP.)

EXIST. R.O.W.

(SEE SHEET 15)

ALL TREE TRUNKS AND LIMBS, 8" IN DIAMETER AND LARGER FROM STA. 15+00, R TO STA. 19+50, R, OF TREES MARKED FOR REMOVAL, SHALL BE CUT INTO LOG LENGTHS OF 18" TO 24" AND STACKED ADJACENT TO DRIVEWAY AT STA. 18+75, 50' R. ESTIMATED LINEAL FEET = 390 (ESTIMATED LOG COUNT = 225)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- SIDEWALK REMOVAL
- EXISTING AGGREGATE SHOULDER TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT
- TREE AND STRUCTURE REMOVAL
- LINEAR ITEMS TO BE REMOVED/ABANDONED

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 11:28 AM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

REMOVAL PLAN
Sta. 10+00 to 20+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	14
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: July 16, 2024 @ 11:28 AM By: John Whitehouse – Model Name: 14-DEMO

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

(SEE SHEET 14)

(SEE SHEET 16)

SANITARY MH 4'ø
RIM = 660.41
INV NW = 649.41 8" VCP

STORM REMOVAL (TYP.)

CATCH BASIN 3'ø
RIM = 658.65
INV NW,SE = 656.10
15" RCP
(TO BE REMOVED)

12" RCP W/FES
INV = 655.65
(TO BE REMOVED)

CATCH BASIN 2'ø
RIM = 655.59
INV NW = 651.69
10" VCP
(TO BE REMOVED)

HYDRANT REMOVAL (TYP.)

EXIST. ROW

12" CMP
INV NW = 651.03
INV SE = 651.14
(TO BE REMOVED)

SANITARY MH 4'ø
RIM = 651.09
INV SE,NW = 645.74 8" VCP

OVERHEAD UTILITIES, ELECTRICAL SERVICE AND FEEDER POLE TO BE RELOCATED BY OTHERS (TYP.)

HIGH PRESSURE GAS MAIN TO REMAIN

SANITARY MH 4'ø
RIM = 649.22
INV SE,NW = 642.87 8" VCP

EX. 4" WATER MAIN TO BE ABANDONED (TYP.)

SANITARY MH 4'ø
RIM = 648.76
INV SE,NW,NE = 641.26 8" VCP

WATER VALVE VAULT TO BE REMOVED.

50 LF 12" RCP STORM SEWER REMOVAL.

SANITARY MH 4'ø
RIM = 648.49
INV SE,NW = 640.09 8" VCP

EXIST. EASEMENT

EXISTING ROW

EXIST. ROW

EXIST. EASEMENT

EXIST. R.O.W.

EXIST. ROW

EXIST. EASEMENT

MAILBOX TO BE REMOVED, SALVAGED, AND RELOCATED (TYP.)

GAS TO BE RELOCATED BY OTHERS

TREE REMOVAL (TYP.)

EXISTING TILE TO REMAIN IN SERVICE UNTIL STORM IMPROVEMENTS ARE COMPLETE AND THEN ABANDONED.

10" CMP
INV NW = 652.44
INV SE = 653.39

AGGREGATE REMOVAL (TYP.)

8" CMP
INV NW = 649.06
INV SE = 649.33
(TO BE REMOVED)

WATER SERVICE TO BE ABANDONED (TYP.)

12" CMP
INV NW = 648.54
INV SE = 648.90
(TO BE REMOVED)

12" CMP
INV = 648.61
(TO BE REMOVED)

DRIVEWAY REMOVAL (TYP.)

INLET 2'ø
RIM = 649.55
INV NE = 648.20 12" RCP
INV SE = 648.25 12" CMP
(TO BE REMOVED)

CATCH BASIN 2'ø
T/C = 647.91
INV SE,NE = 645.28
12" RCP

CATCH BASIN 2'ø
T/C = 647.96
INV NW,SW = 645.83
12" RCP

BUTT JOINT (TYP.)

12" CMP
INV = 647.76
(TO BE REMOVED)

CULVERT REMOVAL (TYP.)

12" CMP
INV NW = 647.38
INV SE = 647.19
(TO BE REMOVED)

10" CMP
INV NW = 647.04
INV SE = 647.05
(TO BE REMOVED)

UNDERGROUND UTILITIES AND ASSOCIATED APPURTENANCES TO BE RELOCATED BY OTHERS (TYP.)

PROP. EASEMENT

SHIRLEY COURT

10' UTILITY EASEMENT (SUB PLAT)

10' UTILITY EASEMENT (SUB PLAT)

10' DRAINAGE EASEMENT (SUB PLAT)

LOT 8
LOT 7
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1

10" VCP TILE
INV = 642.57

10" VCP
INV = 642.07

12" HDPE
INV = 637.70

CLEAR CREEK

ALL TREE TRUNKS AND LIMBS, 8" IN DIAMETER AND LARGER FROM STORM SEWER STA. 00+40, TO STORM SEWER STA. 1+40, OF TREES MARKED FOR REMOVAL, SHALL BE CUT INTO LOG LENGTHS OF 18" TO 24" AND STACKED NEARBY.
ESTIMATED LINEAL FEET = 60
(ESTIMATED LOG COUNT = 40)

0 40' 80'
SCALE FEET

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- SIDEWALK REMOVAL
- EXISTING AGGREGATE SHOULDER TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT
- TREE AND STRUCTURE REMOVAL
- XXXXX LINEAR ITEMS TO BE REMOVED/ABANDONED

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 11:29 AM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

REMOVAL PLAN
Sta. 20+00 to 30+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	15
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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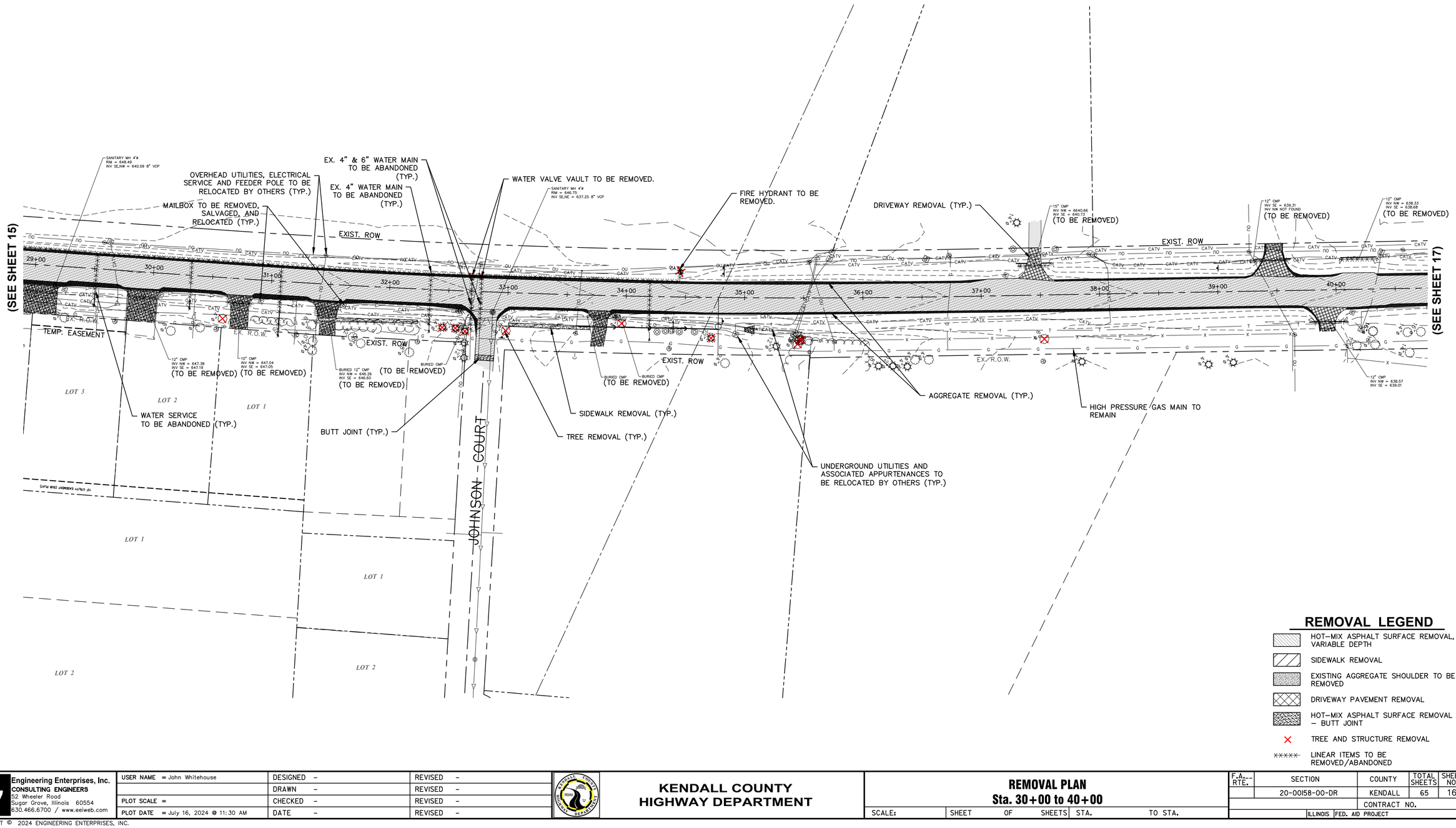
PLOT NAME = H:\SDSKPRO\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG



Plotted: July 16, 2024 @ 11:30 AM By: John Whitehouse – Model Name: 16-DEMO

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52 Wheeler Road
Sugar Grove, Illinois 60554
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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 11:30 AM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

REMOVAL PLAN
Sta. 30+00 to 40+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	16
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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0 40' 80'
SCALE FEET

(SEE SHEET 16)

15" CMP
INV NW = 6640.66
INV SE = 640.73
(TO BE REMOVED)

EXIST. ROW

12" CMP
INV SE = 639.31
INV NW NOT FOUND
(TO BE REMOVED)

12" CMP
INV NW = 638.33
INV SE = 638.68
(TO BE REMOVED)

SIDEWALK REMOVAL (TYP.)

TREE REMOVAL (TYP.)

15" CMP
INV NW = 634.06
INV SE = 634.70
(TO BE REMOVED)

EXIST. ROW

38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00

BUTT JOINT (TYP.)

15" CMP
INV NW = 632.00
INV SE = 632.37
(TO BE REMOVED)

EX. R.O.W.

12" CMP
INV NW = 638.57
INV SE = 635.01
(TO BE REMOVED)

MAILBOX TO BE REMOVED, SALVAGED, AND RELOCATED (TYP.)

15" CMP
INV NW = 636.76
INV SE = 636.52
(TO BE REMOVED)

HIGH PRESSURE GAS MAIN TO REMAIN

UNDERGROUND UTILITIES AND ASSOCIATED APPURTENANCES TO BE RELOCATED BY OTHERS (TYP.)

DRIVEWAY REMOVAL (TYP.)

AGGREGATE SHOULDER REMOVAL (TYP.)

REMOVAL LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- SIDEWALK REMOVAL
- EXISTING AGGREGATE SHOULDER TO BE REMOVED
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT
- TREE AND STRUCTURE REMOVAL
- ~~XXXXX~~ LINEAR ITEMS TO BE REMOVED/ABANDONED

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
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PLOT DATE = July 16, 2024 @ 11:39 AM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

REMOVAL PLAN
Sta. 40+00 to 46+75

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	17
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: July 16, 2024 @ 11:39 AM By: John Whitehouse - Model Name: 17-DEMO
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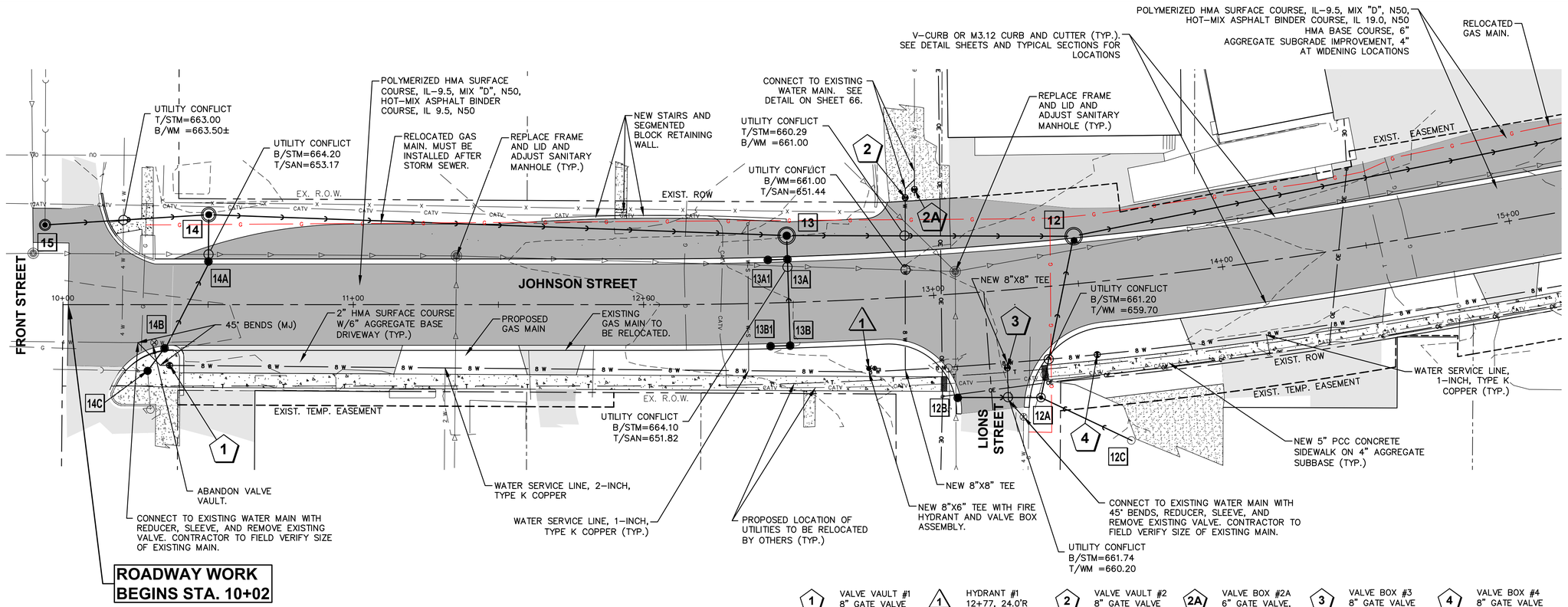


1 VALVE VAULT #1
8" GATE VALVE
10+37, 20.9'R
RIM = 670.12
T/M = 664.62

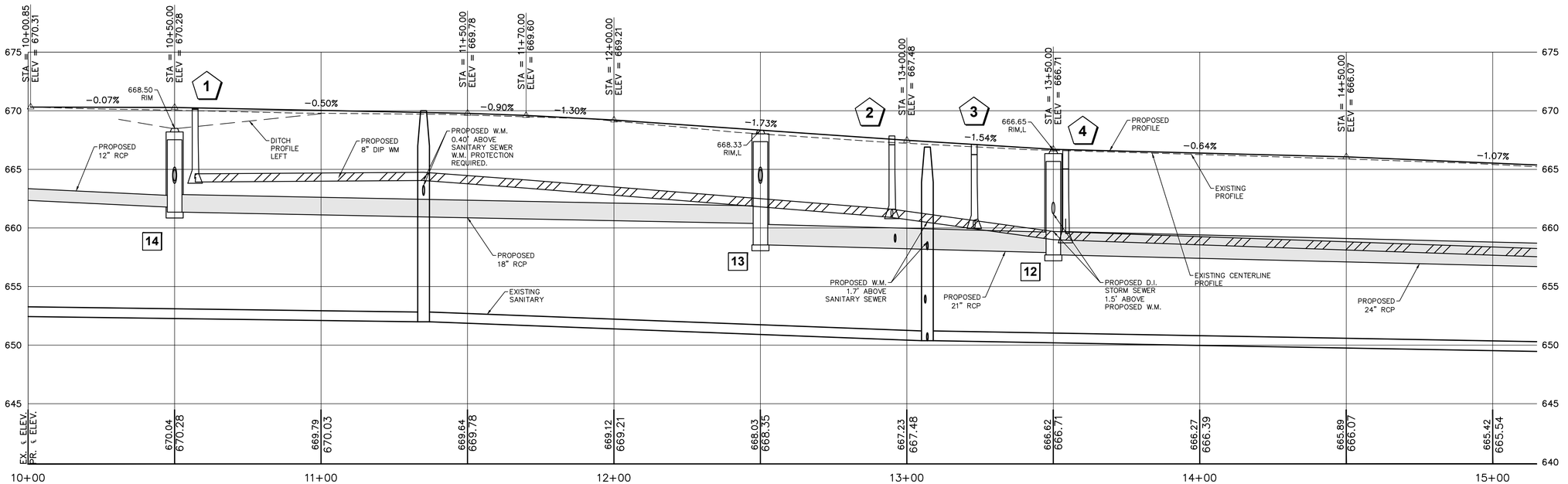
1 HYDRANT #1
12+77, 24.0'R
F.G. = 668.00
6.0' COVER
w/M.J. x M.J. x SWIVEL PARALLEL TEE

2 VALVE VAULT #2
8" GATE VALVE
12+92, 34.2'L
RIM = 667.50
T/M = 661.70

2A VALVE BOX #2A
6" GATE VALVE, TEMPORARY
12+96, 37'L
RIM = MATCH
T/M = MATCH

3 VALVE BOX #3
8" GATE VALVE
13+23, 26.75'R
RIM = 667.13
T/M = 660.80

4 VALVE BOX #4
8" GATE VALVE
13+54, 25.0'R
RIM = 666.60
T/M = 660.60



SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

11C INLET No. 11C, TY A, 24"ø
STA. 16+00, 22.75'R
NEEN. R-2502-D
RIM=662.73
INV.=658.00, 12" W
7 LF 12" RCP @ 3.33%

12 ST. MH NO. 12, 60"ø, 16.25'L
STA. 13+50, B/C 15.75'L
NEEN. R-3506-A2
T/C=666.61
INV.=657.70, 24" N
INV.=657.90, 21" S
INV.=660.05, 12" E
244 LF 24" RCP @ 0.61%

12A C.BASIN NO. 12A, TY C, 24"ø
STA. 13+38, 35'R
NEEN. R-2502-D
RIM=666.25
INV.=661.55, 12" NW, S
INV.=660.00, 12" SW
54 LF 12" D.I. @ 2.78%

12B INLET No. 12B, TY A, 24"ø
STA. 13+05, B/C 35.87'R
NEEN. R-3501-PL
T/C=667.19
INV.=662.05, 12" N
27 LF 12" D.I. @ 1.85%

12C INLET No. 12C, TY A, 24"ø
STA. 13+62.4, 55.5'R
NEEN. R-2502-D
RIM=665.90
INV.=663.25, 12" SW
33 LF 12" RCP @ 0.76%

13 ST. MH NO. 13, 60"ø
STA. 12+50, 23.0'L
NEEN. R-1772
RIM=668.37
INV.=658.55, 21" N
INV.=660.35, 18" S
INV.=664.00, 12" E
95 LF 21" RCP @ 0.68%

13A INLET No. 13A, TY B, 36"ø
STA. 12+50, B/C 15.75'L
NEEN. R-3506-A2
T/C=668.26
INV.=664.30, 12" W,E,S
6 LF 12" RCP @ 5.00%

13A1 C. BASIN No. 13A-1, TY C, 24" ø
STA. 12+43, B/C 15.75'L
NEEN. R-3506-A2
T/C=668.38
INV.=664.40, 12" N
5 LF 12" RCP @ 2.00%

13B C. BASIN No. 13B, TY C, 24"ø
STA. 12+50, B/C 15.75'R
NEEN. R-3501-PL
T/C=668.26
INV.=664.90, 12" W,S
30 LF 12" RCP @ 2.00%

13B1 INLET No. 13B-1, TY A, 24"ø
STA. 12+43, B/C 15.75'R
NEEN. R-3501-PL
T/C=668.38
INV.=665.00, 12" N
5 LF 12" RCP @ 2.00%

14 ST. MH No. 14, 48"ø
STA. 10+50, 31'L
NEEN. R-2502-D
RIM=668.50
INV.=661.35, 18", N
INV.=661.75, 12", S
INV.=663.10, 12", E
196 LF 18" RCP @ 0.51%

14A C.BASIN No. 14A, TY C, 24"ø
STA. 10+50, B/C 15.75'L
NEEN. R-3506-A2
T/C=670.18
INV.=663.50, 12", SE,W
14 LF 12" RCP @ 2.86%

14B INLET No. 14B, TY A, 24"ø
STA. 10+35, B/C 15.90'R
NEEN. R-3501-PL
T/C=670.11
INV.=664.50, 12" SE,NW
33 LF 12" RCP @ 3.03%

14C INLET No. 14C, TY B, 36" ø
STA. 10+29, 22.80'R
NEEN. R-1772
RIM=670.33
INV.=665.10 12" NW
INV. EAST, SOUTH, MATCH
INV. WEST, ABANDON
8 LF 12"D.I. @ 7.50%

15 ST. MH No. 15, 48"ø
STA. 9+94, 27.5'L
NEEN. R-1772
RIM=669.50-MATCH
INV.=662.40, 12",N
INV.=663.00± 8",W
54 LF 12" RCP @ 1.20%

Engineering Enterprises, Inc.
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52 Wheeler Road
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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 1:52 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

N. JOHNSON STREET PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 8 SHEETS | STA. 10+00 TO STA. 15+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	18
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P
Plotted: August 30, 2024 @ 1:52 PM By: John Whitehouse -- Model Name: 18 P & P
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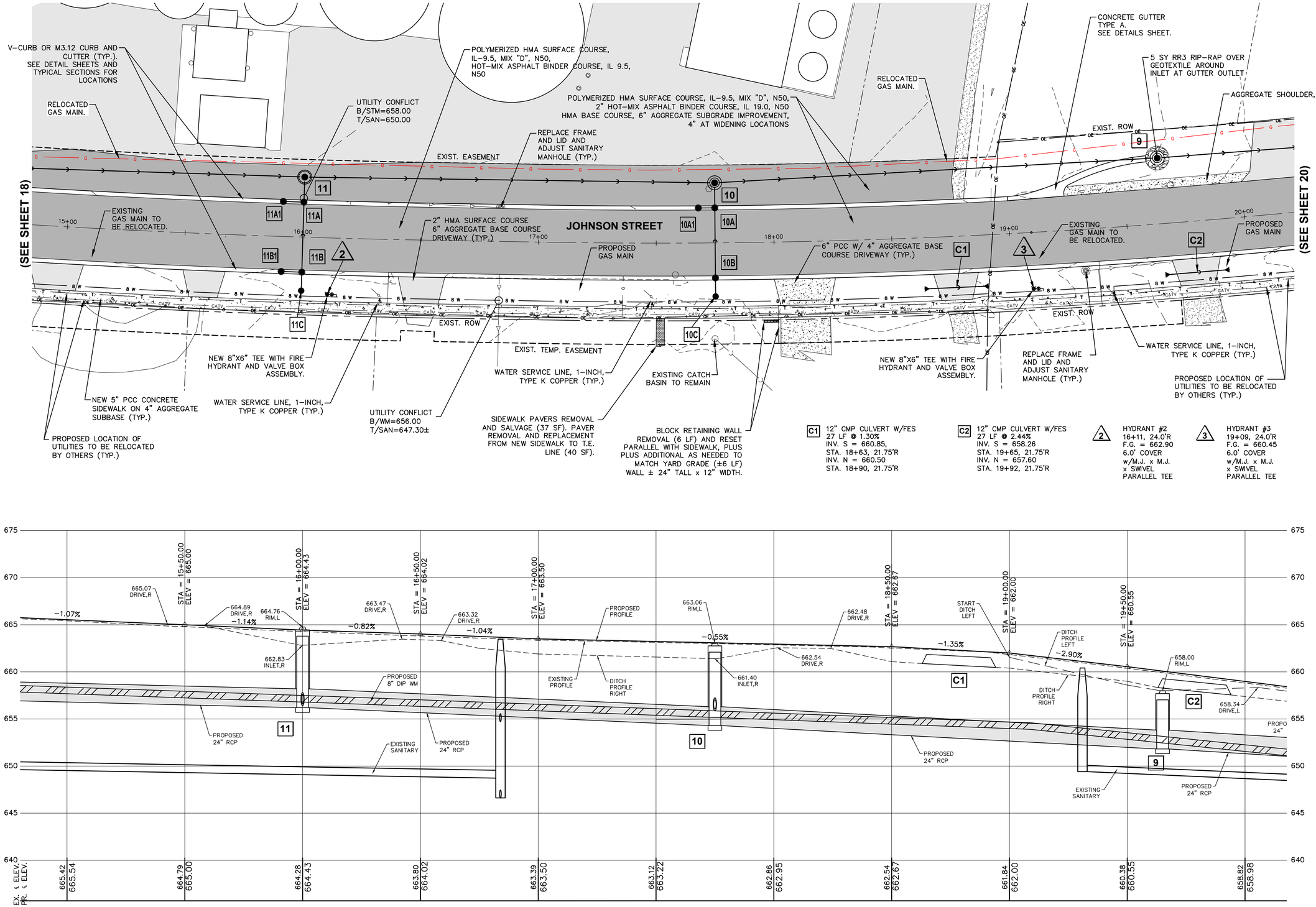

C1 12" CMP CULVERT W/FES
27 LF @ 1.30%
INV. S = 660.85,
STA. 18+63, 21.75'R
INV. N = 660.50
STA. 18+90, 21.75'R

C2 12" CMP CULVERT W/FES
27 LF @ 2.44%
INV. S = 658.26
STA. 19+65, 21.75'R
INV. N = 657.60
STA. 19+92, 21.75'R

2 HYDRANT #2
16+11, 24.0'R
F.G. = 662.90
6.0' COVER
w/M.J. x M.J.
x SWIVEL
PARALLEL TEE

3 HYDRANT #3
19+09, 24.0'R
F.G. = 660.45
6.0' COVER
w/M.J. x M.J.
x SWIVEL
PARALLEL TEE

9 ST. MH NO. 9, 60"ø
STA. 19+65, 28'L
NEEN. R-4342
RIM=658.00
INV.=651.82, 24", N-S
81 LF 24" RCP @ 1.54%

10 ST. MH No. 10, 60"ø
STA. 17+75, 25.5'L
NEEN. R-1772
RIM=663.06
INV.=654.30, 24", N-S
INV.=656.05, 12", E
175 LF 24" RCP @ 1.34%

10A INLET No. 10A, TYPE B, 36"ø
STA. 17+75, B/C 15.75'L
NEEN. R-3506-A2
T/C=662.99
INV.=656.25, 12" E,W
INV.=658.60, 12" S
8 LF 12" RCP @ 2.50%

10A1 C. BASIN No. 10A-1, TY C, 24"ø
STA. 17+68, B/C 15.75'L
NEEN. R-3506-A2
T/C=663.04
INV.=658.70, 12" N
5 LF 12" RCP @ 2.00%

10B C. BASIN No. 10B, TY C, 24"ø
STA. 17+75, B/C 15.75'R
NEEN. R-3501-PL
T/C=662.99
INV.=656.40, 12" E-W
30 LF 12" RCP @ 0.50%

10C INLET No. 10C, TY A, 24"ø
STA. 17+75, 22.75'R
NEEN. R-2502-D
RIM=661.40
INV.=656.65
7 LF 12" RCP @ 3.57%

11 ST. MH No. 11, 60"ø
STA. 16+00, 25.5'L
NEEN. R-1712
RIM=664.62
INV.=656.20, 24", N-S
INV.=656.60, 12" E
170 LF 24" RCP @ 1.12%

11A INLET No. 11A, TY B, 36"ø
STA. 16+00, B/C 15.75'L
NEEN. R-3506-A2
T/C=664.33
INV.=657.20, 12" E,W
INV.=659.40, 12" S
8 LF 12" RCP @ 7.50%

11A1 C. BASIN No. 11A-1, TY C, 24"ø
STA. 15+93, B/C 15.75'L
NEEN. R-3506-A2
T/C=664.41
INV.=659.50, 12" N
5 LF 12" RCP @ 2.00%

11B INLET No. 11B, TY B, 36"ø
STA. 16+00, B/C 15.75'R
NEEN. R-3501-PL
T/C=664.33
INV.=657.80, 12" E,W
INV.=660.00, 12" S
30 LF 12" RCP @ 2.00%

11B1 INLET No. 11B-1, TY A, 24"ø
STA. 15+93, B/C 15.75'R
NEEN. R-3501-PL
T/C=664.41
INV.=660.10, 12" N
5 LF 12" RCP @ 2.00%

11C INLET No. 11C, TY A, 24"ø
STA. 16+00, 22.75'R
NEEN. R-2502-D
RIM=662.73
INV.=658.00, 12" W
7 LF 12" RCP @ 3.33%

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

USER NAME = John Whitehouse	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = August 30, 2024 @ 2:31 PM	DATE -	REVISED -	

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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

KENDALL COUNTY HIGHWAY DEPARTMENT

N. JOHNSON STREET PLAN AND PROFILE

SCALE: 1"=20' | SHEET 2 OF 8 SHEETS | STA. 15+00 TO STA. 20+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	19
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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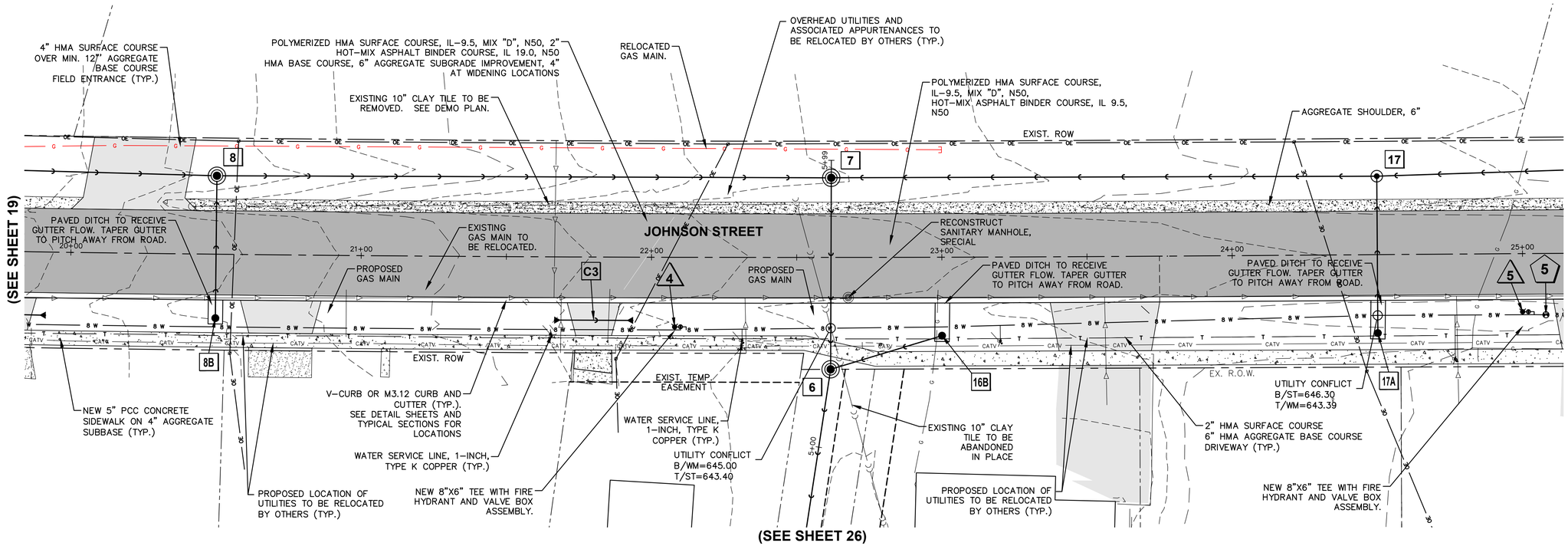
FILE NAME = H:\SDSKPRO\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P
Plotted: August 30, 2024 @ 2:31 PM By: John Whitehouse -- Model Name: 19 P & P

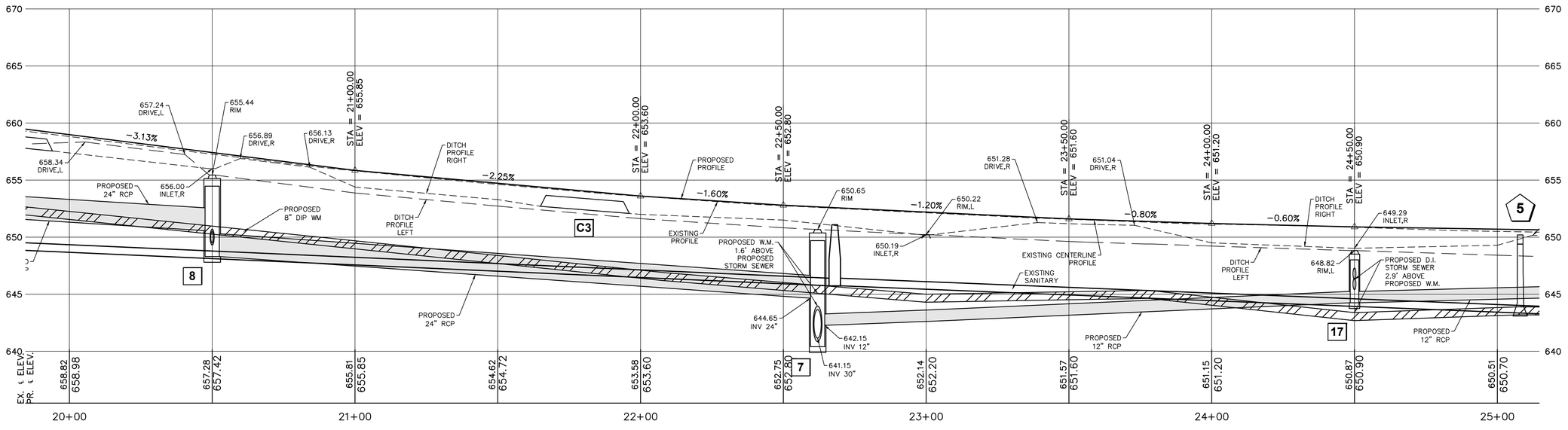


C3 12" CMP CULVERT W/FES
27 LF @ 2.30%
INV. S = 652.65
STA. 21+67, 21.75'R
INV. N = 652.03
STA. 21+94, 21.75'R

4 HYDRANT #4
22+08, 24.0'R
F.G. = 652.30
5.5' COVER
w/M.J. x M.J.
x SWIVEL
PARALLEL TEE

5 HYDRANT #5
25+00, 20.0'R
F.G. = 650.30
6.5' COVER
w/M.J. x M.J.
x SWIVEL
PARALLEL TEE

5 VALVE BOX #5
8" GATE VALVE
25+08, 21.2'R
RIM = 650.00
T/M = 643.90



SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

17 ST. MH No. 17, 48"ø
STA. 24+50, 27'L
NEEN. R-4342
RIM=648.82
INV.=644.25, 12", S,N,
INV.=645.40, 12", E
70 LF 12" RCP @ 1.07%

17A INLET No. 17A, TY A, 24"ø
STA. 24+50, 27.0'R
NEEN. R-2502-D
RIM=648.89
INV.=646.40
51 LF 12" D.I. @ 1.96%

6 ST.MH NO. 6, 60"ø
STA. 22+62, 39'R
NEEN. R-1772
RIM=651.65
INV.=646.50, NW
INV.=640.50, W
INV.=640.45, E
144 LF 30" RCP
@ 0.62%

16B INLET No. 16B, TY A, 24"ø
STA. 23+00, 27.0'R
NEEN. R-2502-D
RIM=650.50
INV.=647.50
40 LF 12" R.C.P. @ 2.50%

7 ST. MH NO. 7, 60"ø
STA. 22+62, 27'L
NEEN. R-4342
RIM=650.65
INV.=641.15, 30", E
INV.=644.65, 24", S
INV.=642.15, 15", N
62 LF 30" RCP @ 1.05%

8 ST. MH NO. 8, 60"ø
STA. 20+50, 27'L
NEEN. R-4342
RIM=655.44
INV.=648.30, 24", N
INV.=650.57, 24", S
INV.=649.50, 12" E
208 LF 24" RCP @ 1.75%

8B INLET No. 8B, TY A, 24"ø
STA. 20+50, 22.0'R
NEEN. R-2502-D
RIM=656.00
INV.=651.00
6 LF 12" RCP @ 4.17%

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 1:57 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

N. JOHNSON STREET PLAN AND PROFILE

SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 20+00 TO STA. 25+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	20
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P
Plotted: August 30, 2024 @ 1:57 PM By: John Whitehouse -- Model Name: 20 P & P
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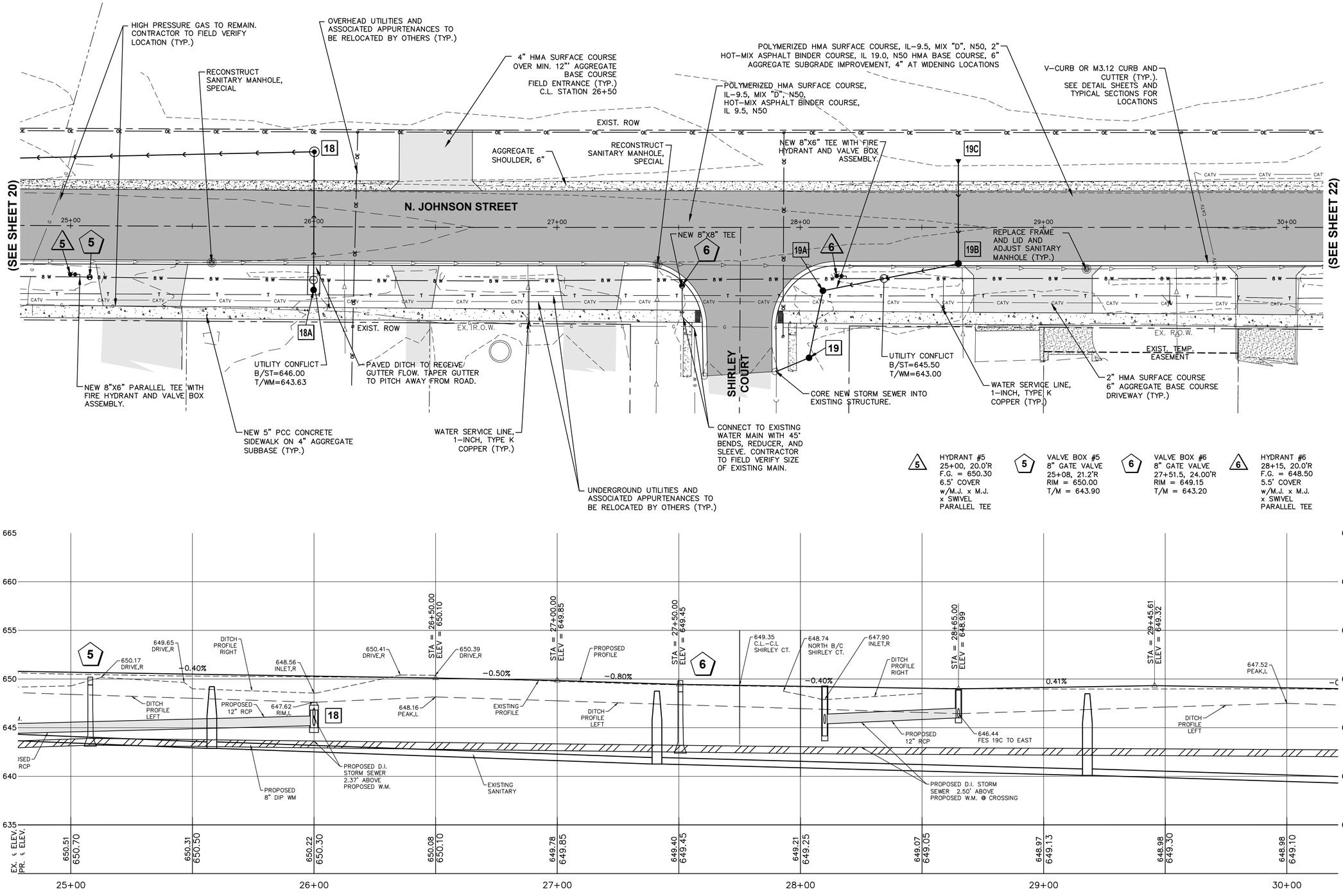

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

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CONSULTING ENGINEERS
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Sugar Grove, Illinois 60554
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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 1:59 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

N. JOHNSON STREET PLAN AND PROFILE

SCALE: 1"=20' | SHEET 4 OF 8 SHEETS | STA. 25+00 TO STA. 30+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	21
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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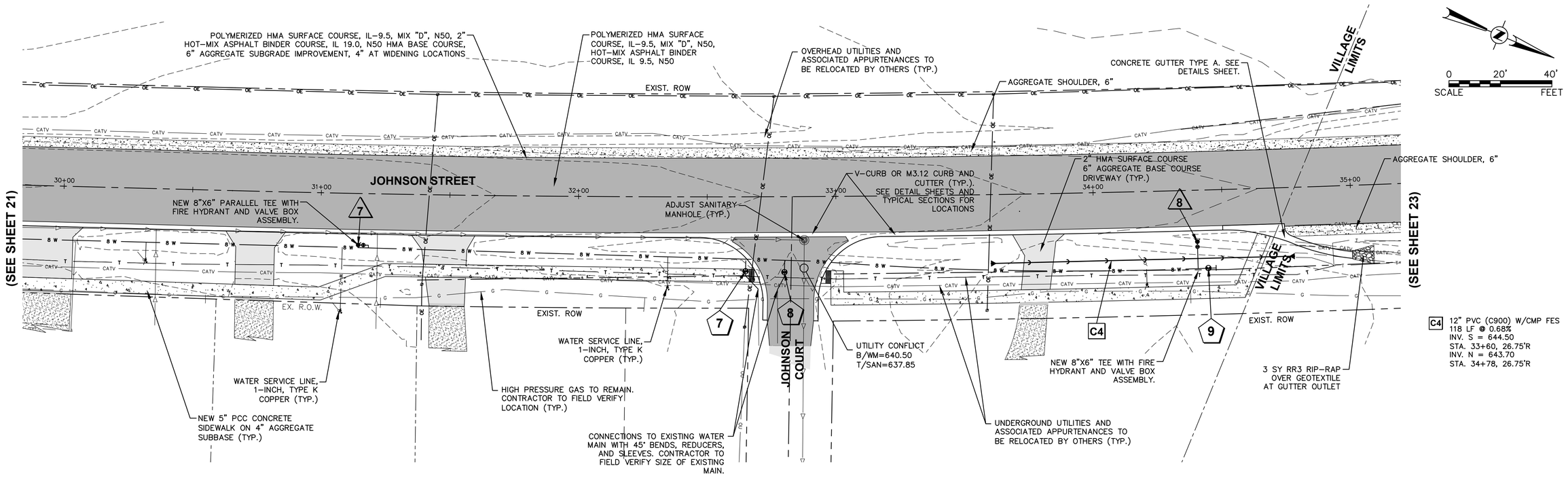
PLOTTED: August 30, 2024 @ 1:59 PM By: John Whitehouse -- Model Name: 21 P & P
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P



Plotted: August 30, 2024 @ 2:01 PM By: John Whitehouse — Model Name: 22 P & P

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P

PATH: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = John Whitehouse	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = August 30, 2024 @ 2:01 PM	DATE -	REVISED -

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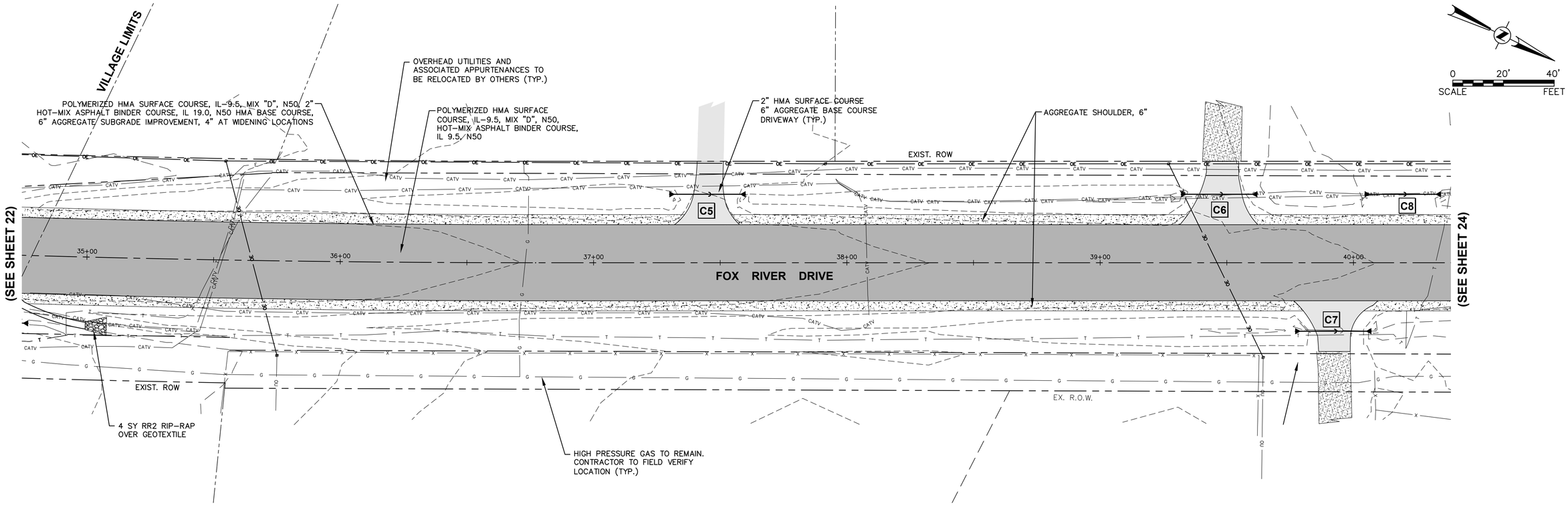
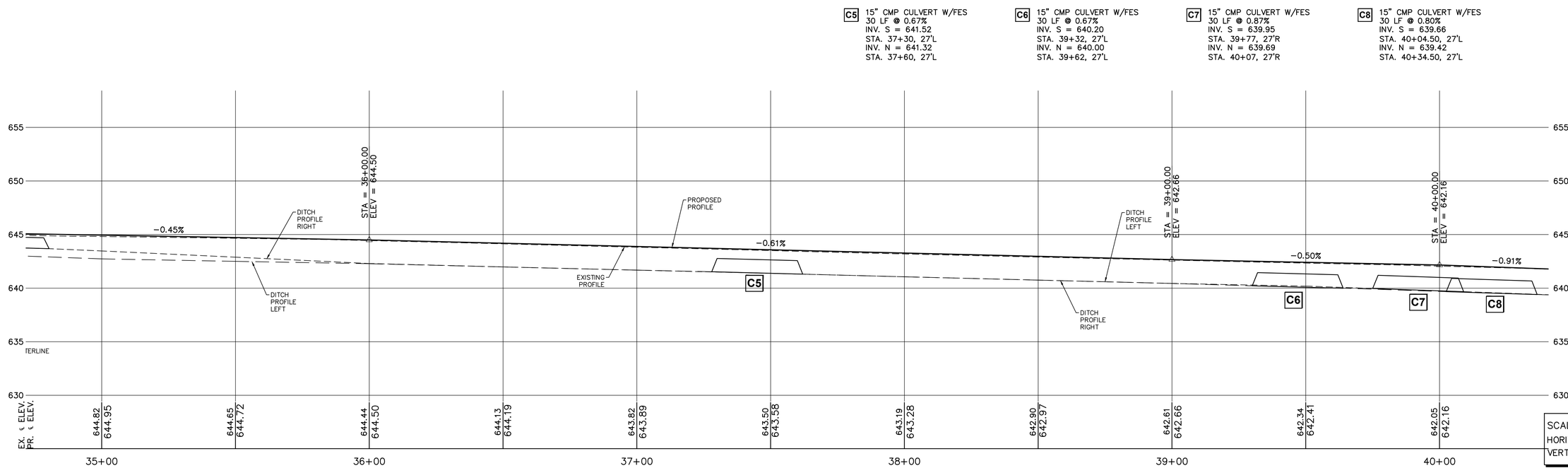
KENDALL COUNTY HIGHWAY DEPARTMENT

N. JOHNSON STREET PLAN AND PROFILE

SCALE: 1"=20' | SHEET 5 OF 8 SHEETS | STA. 30+00 TO STA. 35+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	22
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			





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Sugar Grove, Illinois 60554
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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 2:02 PM	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

FOX RIVER DRIVE
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 6 OF 8 SHEETS | STA. 35+00 | TO STA. 40+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	23
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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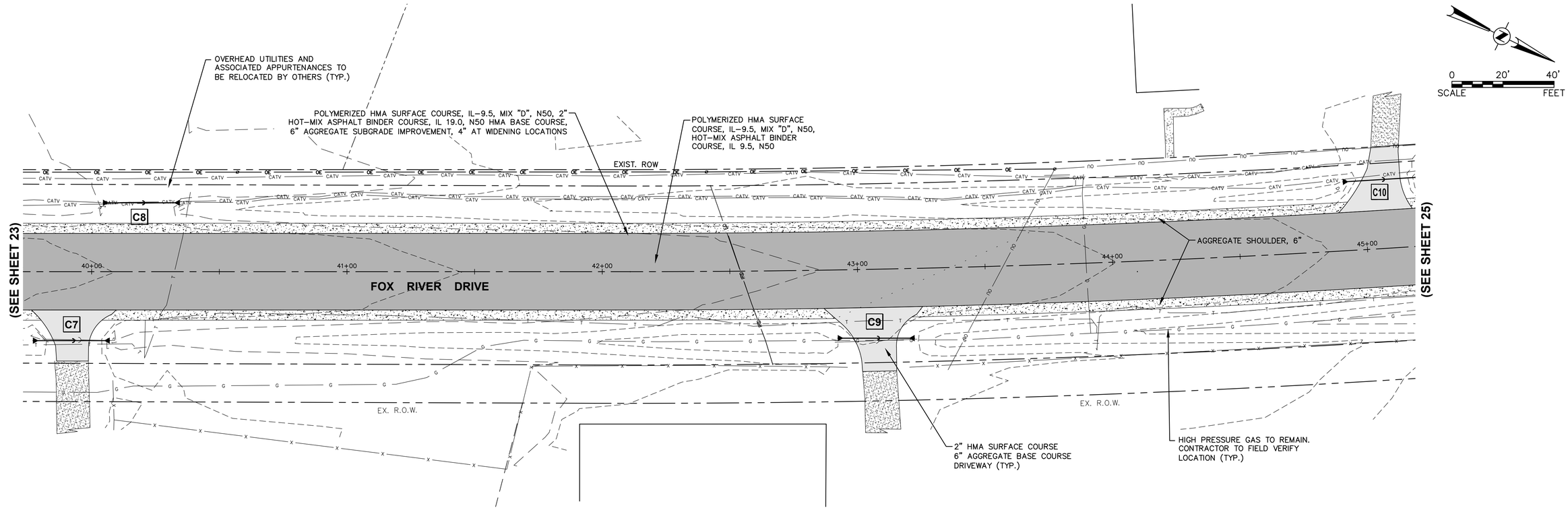
Plotted: August 30, 2024 @ 2:02 PM By: John Whitehouse — Model Name: 23 P & P
FILE NAME = H:\SDSKPROJ\VE_KENDALL COUNTY\2020\VE2001\DWG FINAL ENG\VE2001-P AND P

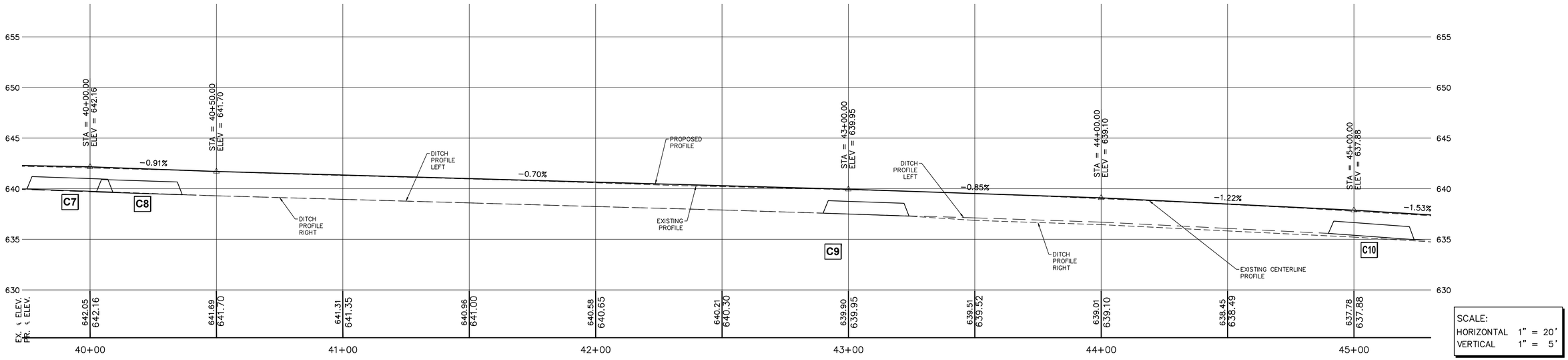


C7 15" CMP CULVERT W/FES
30 LF @ 0.87%
INV. S = 639.95
STA. 39+77, 27'R
INV. N = 639.69
STA. 40+07, 27'R

C8 15" CMP CULVERT W/FES
30 LF @ 0.80%
INV. S = 639.66
STA. 40+04.50, 27'L
INV. N = 639.42
STA. 40+34.50, 27'L

C9 15" CMP CULVERT W/FES
30 LF @ 0.87%
INV. S = 637.57
STA. 42+92, 27'R
INV. N = 637.31
STA. 43+22, 27'R

C10 15" CMP CULVERT W/FES
30 LF @ 2.67%
INV. S = 635.80
STA. 44+92, 27'L
INV. N = 635.00
STA. 45+22, 27'L



SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = John Whitehouse	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = August 30, 2024 @ 2:03 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

FOX RIVER DRIVE
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. 40+00 | TO STA. 45+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	24
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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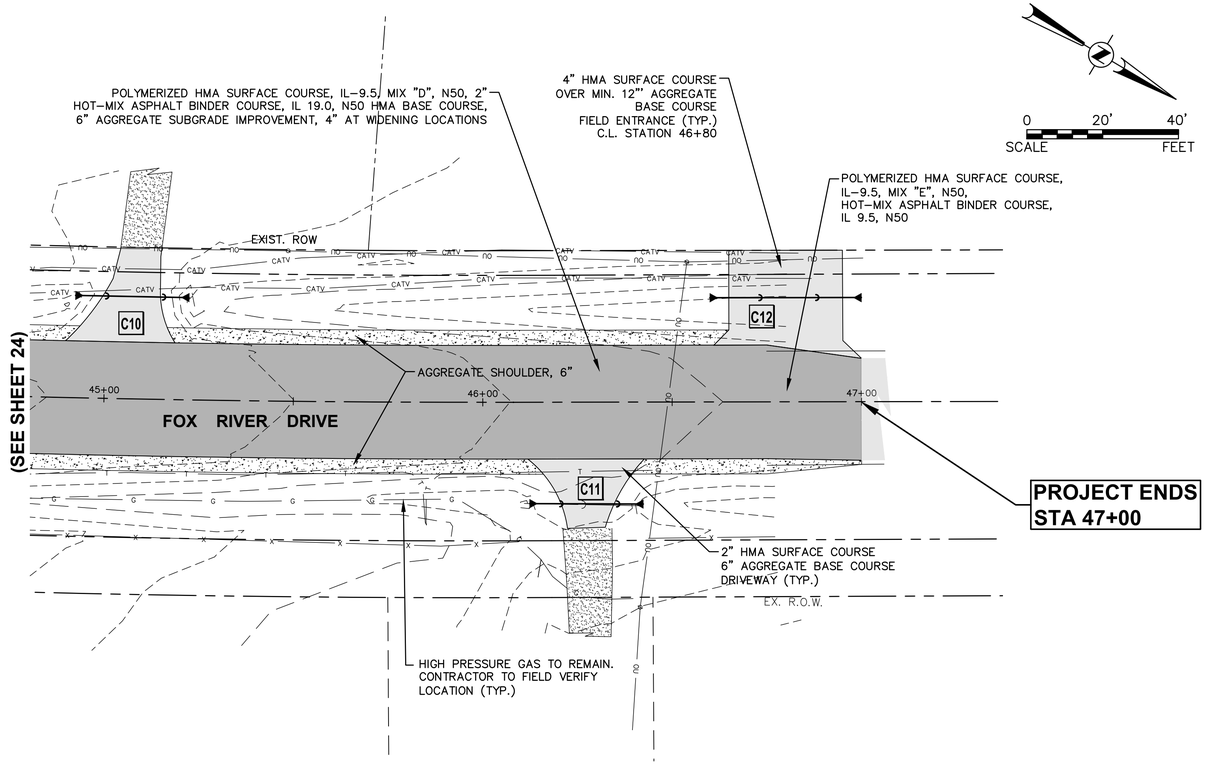
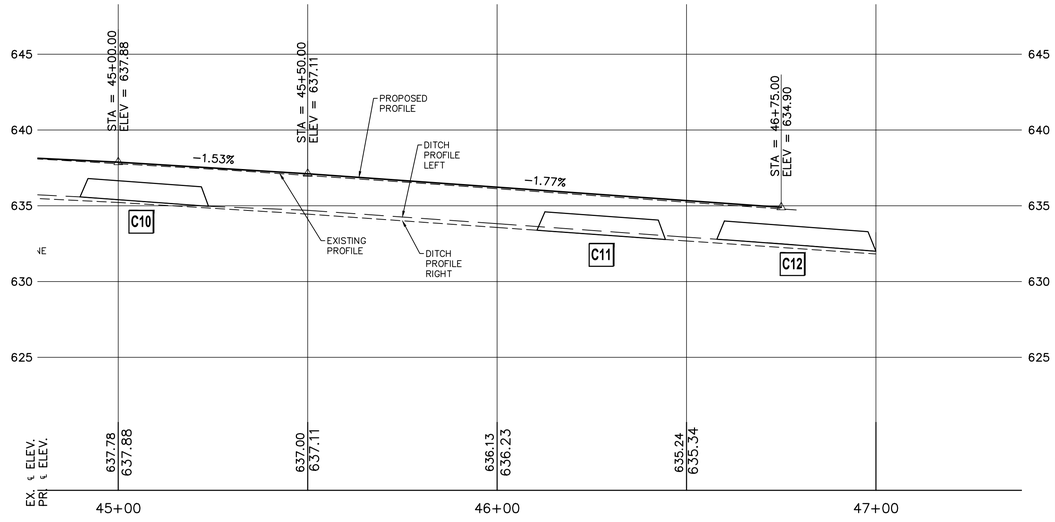
FILE NAME = H:\SDSKPROJ\VE_KENDALL COUNTY\2020\VE2001\DWG FINAL ENG\VE2001-P AND P
Plotted: August 30, 2024 @ 2:03 PM By: John Whitehouse -- Model Name: 24 P & P
Path: H:\SDSKPROJ\VE_KENDALL COUNTY\2020\VE2001\DWG FINAL ENG\VE2001-P AND P



C10 15" CMP CULVERT W/FES
30 LF @ 2.67%
INV. S = 635.80
STA. 44+92, 27'L
INV. N = 635.00
STA. 45+22, 27'L

C11 15" CMP CULVERT W/FES
30 LF @ 1.80%
INV. S = 633.35
STA. 46+12.5, 27'R
INV. N = 632.81
STA. 46+42.5, 27'R

C12 15" CMP CULVERT W/FES
40 LF @ 1.90%
INV. S = 632.76
STA. 46+60, 27.5'L
INV. N = 632.00
STA. 47+00, 27.5'L



SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 2:04 PM	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

FOX RIVER DRIVE
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. 45+00 | TO STA. 46+75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	25
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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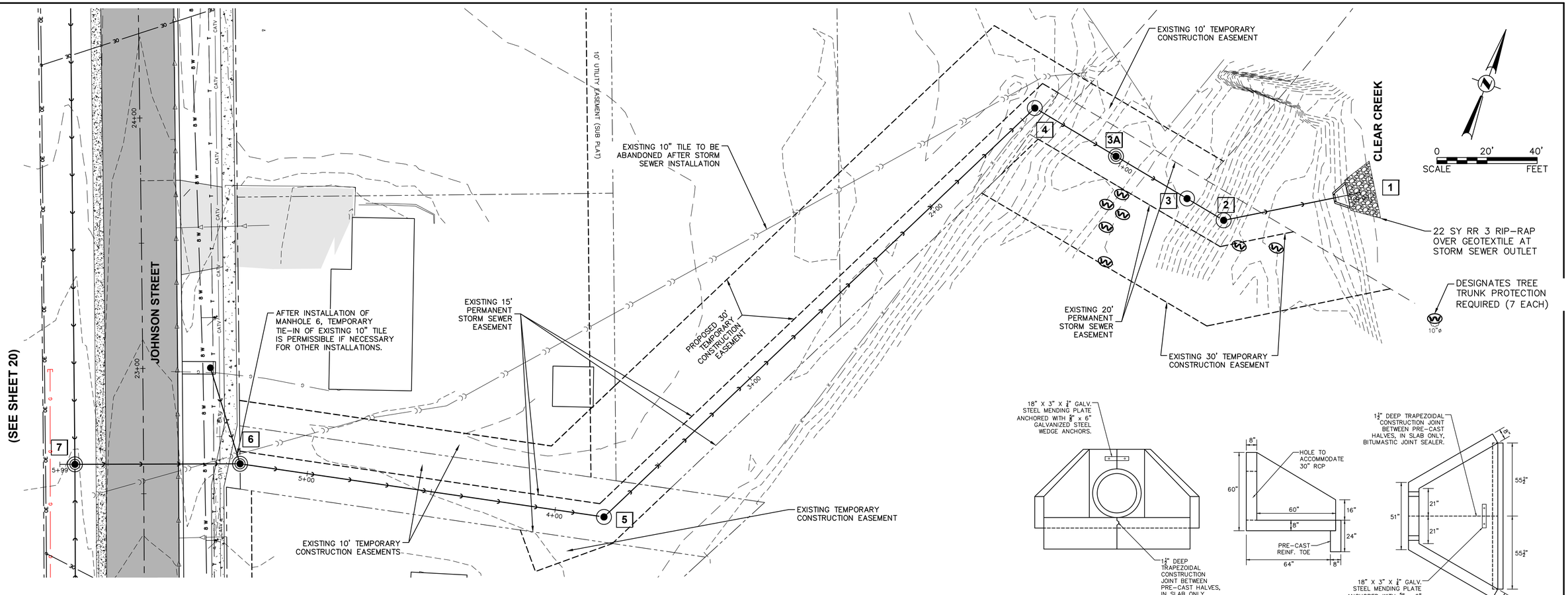
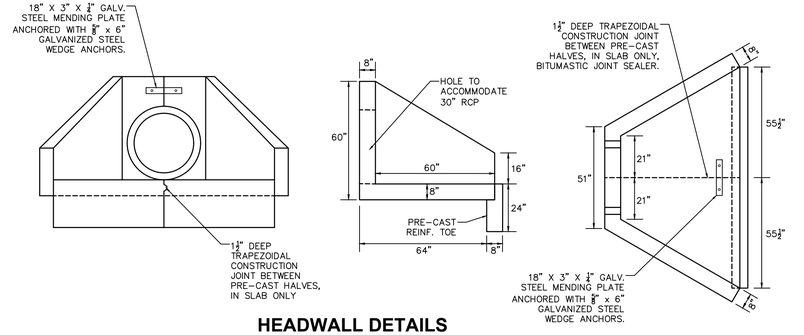
PLOTTED: August 30, 2024 @ 2:04 PM By: John Whitehouse — Model Name: 25 P & P
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P

FILE NAME = H:\SDSKPRO\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P
Plotted: August 30, 2024 @ 2:08 PM By: John Whitehouse — Model Name: 26-STORM OUTFALL





HEADWALL DETAILS

7 ST. MH NO. 7, 60"ø
STA. 22+62, 27'L
NEEN. R-4342
RIM=650.65
INV.=641.15, 30", E
INV.=644.65, 24", S
INV.=642.15, 15", N
62 LF 30" RCP
@ 1.05%

6 ST.MH NO. 6, 60"ø
STA. 22+62, 39'R
NEEN. R-1772
RIM=651.65
INV.=640.50, W
INV.=640.45, E
144 LF 30" RCP
@ 0.62%

5 ST. MH No. 5
TYPE 'A', 60"ø
NEEN R-1772
RIM=650.40
INV.=639.55, W
INV.=639.50, NE
234 LF 30" RCP
@ 0.62%

4 ST. MH No. 4
TYPE 'A', 60"ø
NEEN R-1772
RIM=648.80
INV.=638.05, SW
INV.=636.90, E
34 LF 30" RCP
@ 1.18%

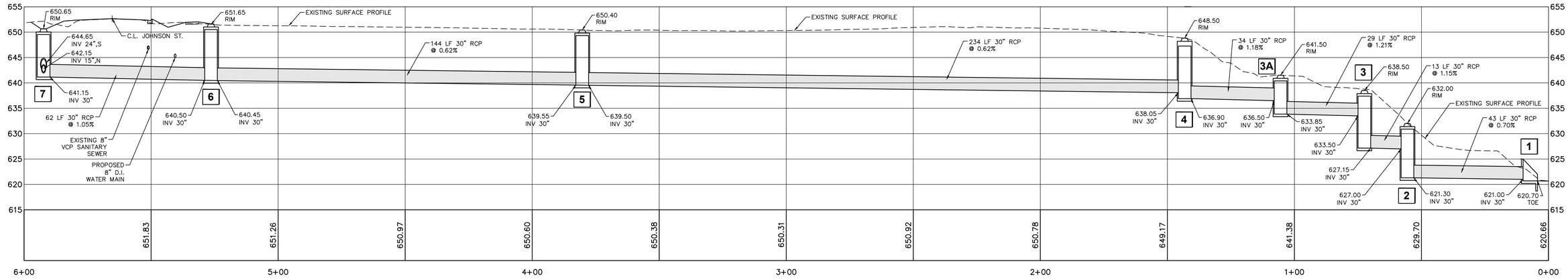
3A ST. MH No. 3A
TYPE 'A', 60"ø
NEEN R-1772
RIM=641.50
INV.=636.50, W
INV.=633.85, E
29 LF 30" RCP
@ 1.21%

3 ST. MH No. 3
TYPE 'A', 60"ø
NEEN R-1772
RIM=638.50
INV.=633.50, W
INV.=627.15, E
13 LF 30" RCP
@ 1.15%

2 ST. MH No. 2
TYPE 'A', 60"ø
NEEN R-1772
RIM=632.00
INV.=627.00, W
INV=621.30, NE
43 LF 30" RCP
@ 0.70%

1 STORM STRUCTURE No. 1
PRE-CAST REINFORCED CONCRETE HEADWALL AT OUTFALL WITH 10 SY RR3 RIP RAP OVER GEOTEXTILE
TOP WALL=625.00
INV.=621.00

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 10'



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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = August 30, 2024 @ 2:08 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

N. JOHNSON STREET TO CLEAR CREEK
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 20+00 TO STA. 25+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	26
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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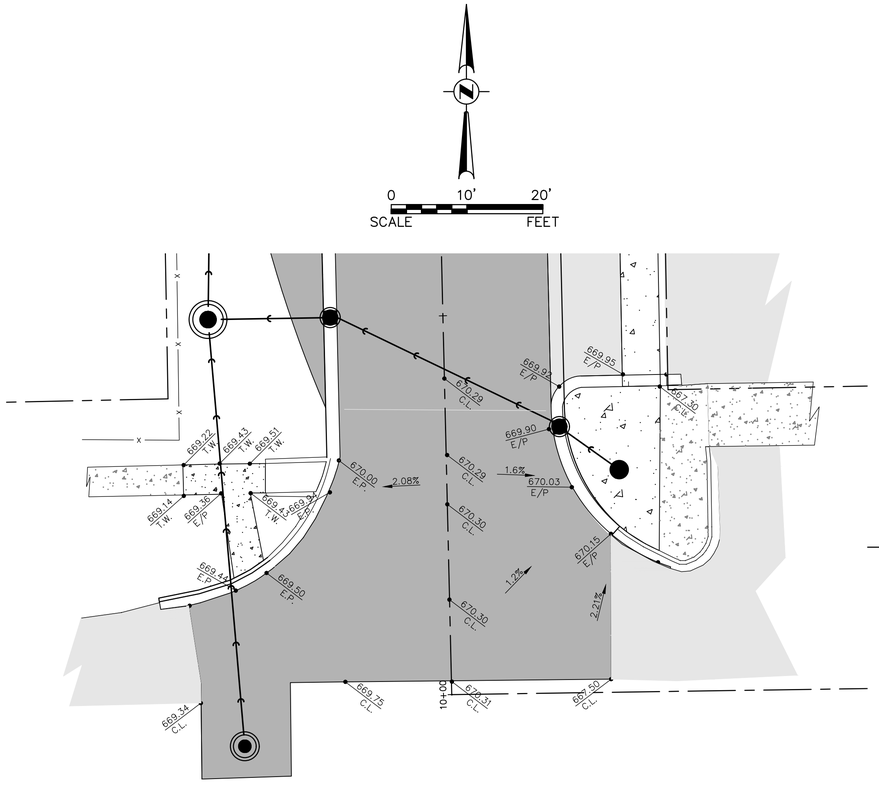
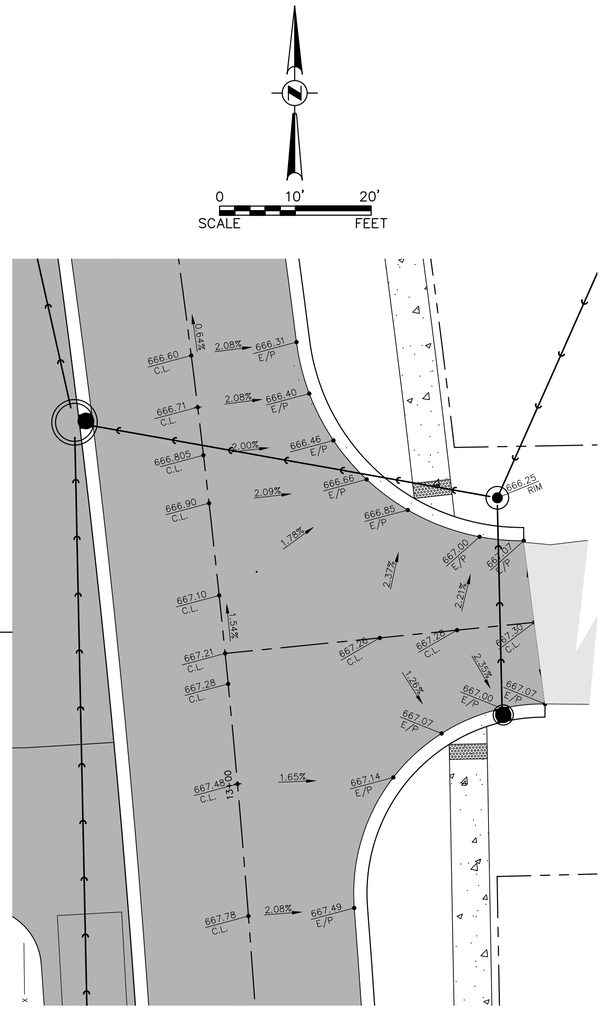


FRONT STREET



LIONS DRIVE

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P
Plotted: July 16, 2024 @ 12:25 PM By: John Whitehouse – Model Name: 27 INTERSECTIONS

Engineering Enterprises, Inc.
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Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 12:25 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

INTERSECTION DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	27
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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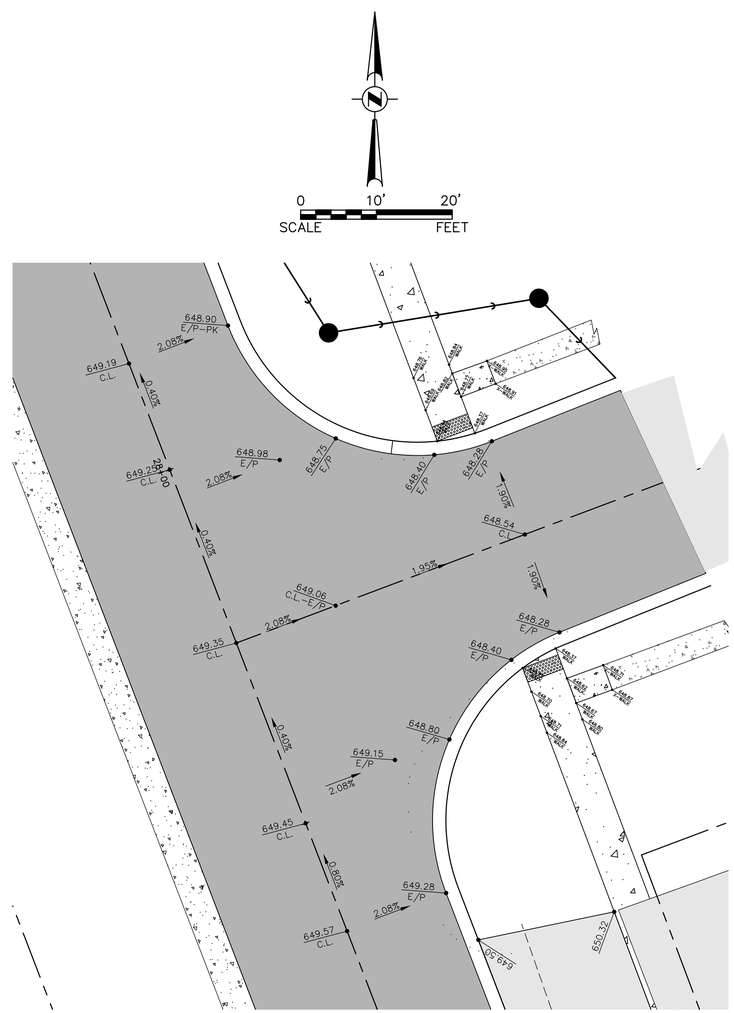
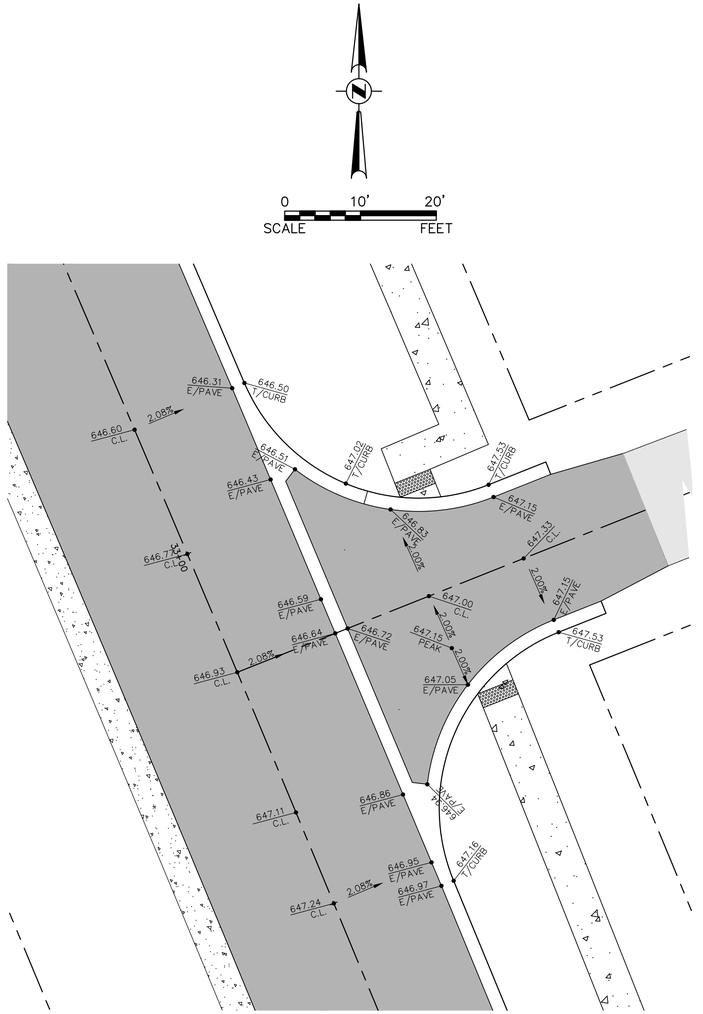
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P



SHIRLEY COURT



JOHNSON COURT

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P
Plotted: July 16, 2024 @ 12:30 PM By: John Whitehouse – Model Name: 28 INTERSECTIONS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 12:30 PM	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

INTERSECTION DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	28
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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PATH: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-P AND P

STORMWATER POLLUTION PREVENTION PLAN

A COPY OF THIS PLAN, ALONG WITH ALL INSPECTION REPORTS, WILL BE KEPT AT THE SITE AT ALL TIMES. THE PERMITTEE SHALL RETAIN COPIES OF STORMWATER POLLUTION PREVENTION PLANS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THE PERMIT COVERAGE EXPIRES OR IS TERMINATED.

SITE DESCRIPTION:

PROJECT NAME AND LOCATION:
PROPOSED ROADWAY DRAINAGE AND UTILITY IMPROVEMENTS, VILLAGE OF NEWARK, BIG GROVE TOWNSHIP, FOX TOWNSHIP, KENDALL COUNTY, IL.
PROJECT DESCRIPTION:
UTILITY IMPROVEMENTS, ROADWAY WIDENING, CURB & GUTTER DITCH GRADING AND RESURFACING.
TOTAL ON-SITE AREA = 8.67 ACRES

TOTAL AREA DISTURBED = 8.34 ACRES

RUNOFF COEFFICIENT OF SITE AFTER CONSTRUCTION = NA

SOILS: 149A – BRENTON

152A – DRUMMER

325B – DRESDEN

369A – WAUPECAN

791A – RUSH

RECEIVING WATERS: CLEAR CREEK

EXISTING SITE CONDITIONS: EXISTING ROADWAY, AGRICULTURAL AND RESIDENTIAL

ADJACENT/OFFSITE AREAS: RESIDENTIAL AND AGRICULTURAL

REFER TO IMPROVEMENT PLANS FOR ADDITIONAL SITE INFORMATION.

EROSION AND SEDIMENT CONTROLS

REFER TO THE IMPROVEMENT PLANS AND THIS SWPPP.

STABILIZATION PRACTICES:

ANY AREAS WITHIN OR ADJACENT TO THE SITE PERIMETER THAT HAVE BEEN DISTURBED DURING THE COURSE OF CONSTRUCTION WILL BE STABILIZED PRIOR TO PROJECT COMPLETION.

STRUCTURAL PRACTICES:

SILT FENCE SHALL BE INSTALLED ALONG THE DOWNSTREAM PERIMETER OF THE SITE AS DIRECTED ON THE IMPROVEMENT PLANS.
DITCH CHECKS SHALL BE INSTALLED UPSTREAM OF EXISTING AND PROPOSED CULVERTS
DITCH CHECKS WILL BE PLACED EVERY 200 FEET IN PROPOSED AND EXISTING DITCHES
FILTER BASKETS SHALL BE PLACED AND MAINTAINED IN ALL STORM SEWER INLET STRUCTURES
SEEDING WILL INCLUDE EROSION CONTROL BLANKETS

STORM WATER MANAGEMENT

REFER TO THE IMPROVEMENT PLANS FOR AND THE STORMWATER MANAGEMENT CALCULATIONS INCLUDED IN THE KENDALL COUNTY STORMWATER PERMIT APPLICATION FOR ADDITIONAL INFORMATION

RUNOFF:

THE SITE IS RURAL SUBURBAN AND FLOW WILL BE CONVEYED THROUGH DITCHES, CULVERTS AND STORM SEWERS DETENTION:

DETENTION WILL NOT BE REQUIRED IN ACCORDANCE WITH THE KENDALL COUNTY STORMWATER ORDINANCE.

VELOCITY DISSIPATION

DITCH CHECKS ARE USED.

WASTE DISPOSAL

ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE SITE FOR DISPOSAL IN PERMITTED DISPOSAL FACILITIES. THE PROJECT SITE WILL BE KEPT CLEAR OF ALL HUMAN AND CONSTRUCTION DEBRIS. NO BUILDING MATERIALS, GAS OR OIL SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE. A SECURELY LIDDED DUMPSTER WILL BE PROVIDED FOR STANDARD SOLID WASTE.

HAZARDOUS WASTE WILL BE DISPOSED OF AS SPECIFIED BY THE KENDALL COUNTY HIGHWAY DEPARTMENT, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, OR THE MANUFACTURER OF THE MATERIAL, WHICH EVER IS STRICTER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL HAZARDOUS WASTE PRODUCED AS A PART OF THIS CONSTRUCTION PROJECT.

SANITARY WASTE WILL BE COLLECTED IN PORTABLE UNITS AND DRAINED AS SPECIFIED BY KENDALL COUNTY AND THE NEWARK SANITARY DISTRICT.

ANY SPILLED OIL, GAS, OR OTHER CONSTRUCTION MATERIAL WILL BE CONTAINED AND CLEANED IMMEDIATELY. CONTAMINATED SOIL WILL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL.

A SINGLE CONCRETE WASHOUT AREA WILL BE DESIGNATED BY THE CONTRACTOR FOR USE DURING THE DURATION OF THE PROJECT. CONCRETE WASHOUT SHOULD BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHOULD NOT BE ALLOWED TO ENTER STORM SEWER OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHOULD BE DISPOSED OF PROPERLY AN THE LOCATION OF THE WASHOUT SHOULD BE DESIGNATED WITH PROPER SIGNAGE.

OTHER REQUIREMENTS

THE THE KENDALL COUNTY STORMWATER MANAGEMENT ORDINANCE WILL GOVERN ALL EROSION CONTROL AND STORMWATER MANAGEMENT OPERATIONS.

THE ENGINEER WILL INSPECT THE EROSION CONTROL MEASURES.

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

NO FUEL OR OIL WILL BE STORED ON-SITE WITHOUT PROPER CONTAINMENT AND WRITTEN PERMISSION FROM THE VILLAGE OF NEWARK.

THE CONTRACTOR WILL PREVENT OFF-SITE TRACKING OF SEDIMENTS. IF THE STABILIZED CONSTRUCTION ENTRANCE IS NOT SUFFICIENT, FURTHER MEASURES MUST BE IMPLEMENTED. ANY SEDIMENT LEFT ON THE PUBLIC ROADWAY WILL BE CLEANED OFF EVERY NIGHT.

DUST CONTROL, IF DEEMED NECESSARY BY THE CITY ENGINEER, WILL BE DONE BY MEANS OF A WATER TRUCK SPRAYING WATER ON THE SURFACE OF THE SITE.

STOCKPILES OF SOIL OR OTHER BUILDING MATERIALS SHOULD NOT BE LOCATED IN AREAS WITH HIGH POTENTIAL FOR CONTRIBUTION SEDIMENTS TO STORMWATER FACILITIES.

NON-STORMWATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORMWATER DISCHARGES WILL OCCUR FROM THIS SITE DURING THE CONSTRUCTION PERIOD:

- PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED)
- UNCONTAMINATED GROUND AND SURFACE WATER FROM DEWATERING EXCAVATIONS AND DETENTION BASINS
- DUST CONTROL WATER

RECOMMENDED SCHEDULE OF CONSTRUCTION

1. INSTALL SILT FENCE AND EROSION CONTROL MEASURES.
2. PERFORM REQUIRED UTILITY RELOCATIONS, GAS, ELECTRIC, ETC.
3. INSTALL STORM SEWER OUTFALL AND NEW STORM SEWER SYSTEM.
4. INSTALL NEW WATER MAIN AND APPURTENANCES KEEPING EXISTING SYSTEM IN OPERATION UNTIL TESTING AND DISINFECTION IS COMPLETE BEFORE TRANSFER OF WATER SERVICES.
5. PERFORM DEMOLITION, MINOR UTILITY WORK AND EARTHWORK OPERATIONS WITH CONTINUOUS EROSION AND SEDIMENTATION CONTROL MEASURES.
6. INSTALL CURB AND CUTTER AND COMPLETE PAVEMENT WIDENING, RESURFACING AND PAVEMENT MARKING.
7. INSTALL ALL LANDSCAPING AND RESTORE ALL DISTURBED AREAS.

MAINTENANCE AND INSPECTION PROCEDURES

THE GENERAL CONTRACTOR FOR THIS PROJECT IS RESPONSIBLE FOR MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES IN GOOD AND EFFECTIVE OPERATING CONDITIONS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL REGULAR INSPECTIONS REQUIRED BY THE NPDES GENERAL PERMIT #2 INCLUDING RECORDING AND KEEPING A RECORD OF EACH INSPECTION. THIS PROCESS WILL CONTINUE UNTIL FINAL STABILIZATION IS ACHIEVED AND A NOTICE OF TERMINATION IS RECEIVED BY THE OWNER. INSPECTIONS WILL BE PERFORMED AND RECORDED BY QUALIFIED INDIVIDUALS TRAINED BY THE GENERAL CONTRACTOR AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL "FIELD MANUAL FOR INSPECTION OF EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES".

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

BASED ON THE RESULTS OF THE INSPECTIONS, MODIFICATIONS NECESSARY SHALL BE IMPLEMENTED WITHIN 7 DAYS OF THE INSPECTION.

ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. ANY NECESSARY REPAIRS WILL BE INITIATED IMMEDIATELY.

SEDIMENT BUILDUP WILL BE REMOVED FROM SILT FENCES WHEN IT HAS REACHED 1/3 THE HEIGHT OF THE FABRIC.

SEDIMENT BUILDUP WILL BE REMOVED FROM OTHER EROSION CONTROLS AS NEEDED TO MAINTAIN STORMWATER FLOW THROUGH THE SITE AND AVOID SEDIMENT FROM BYPASSING THE EROSION CONTROLS.

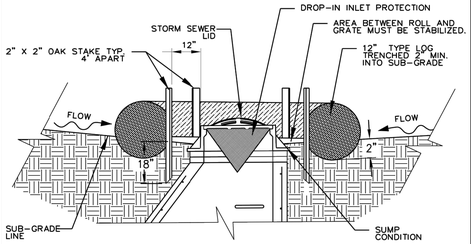
EROSION CONTROL MEASURES WILL BE REPAIRED, MAINTAINED, OR INCREASED AT THE DIRECTION OF THE KENDALL COUNTY SOIL AND WATER CONSERVATION DISTRICT, THE RESIDENT ENGINEER, OR THE KENDALL COUNTY HIGHWAY DEPARTMENT.

A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. THE REPORT SHALL SUMMARIZE THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN TO SOLVE ANY PROBLEMS OBSERVED. THE INSPECTION REPORT SHALL BE SIGNED BY A QUALIFIED INDIVIDUAL PER NPDES GENERAL PERMIT NO. 2.

INSPECTION REPORTS SHALL BE RETAINED AS A PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS AFTER FINAL STABILIZATION AND A NOTICE OF DISCONTINUATION HAS BEEN SUBMITTED TO THE DEPARTMENT.

INLET PROTECTION LOG TYPE

NOT TO SCALE

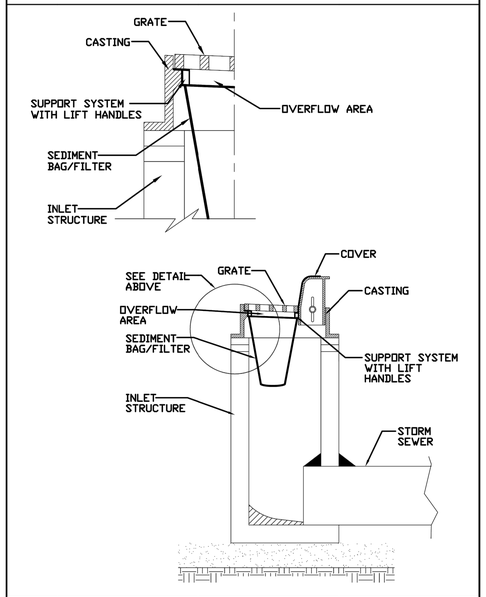


SECTION

NOTES:
1. 2" x 2" nominal hardwood stakes, 4 foot minimum length, driven into ground approximately 18 inches, stakes driven a minimum width of 12 inches away from the drop inlet.
2. Area inside the log, from edge of fabric to structure, must be stabilized with erosion control blanket. Turf Reinforcement Mat, Geotextile 592 Table 2 Class 2 or CA-7 stone.
3. The maximum distance between the stakes should be 4 feet.
4. A maintenance schedule must maintain a sediment accumulation of less than 50% of the height of the log.

REFERENCE		STANDARD DWG. NO.
Project		IUM-562
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 11-30-2015
Approved ____ Date ____		

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE		STANDARD DWG. NO.
Project		IUM-561D
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 01-11-11
Approved ____ Date ____		

REQUIRED CERTIFICATIONS

I/WE CERTIFY UNDER PENALTY OF LAW THAT I/WE UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS A PART OF THIS CERTIFICATION.

OWNER

COMPANY NAME

COMPANY ADDRESS

COMPANY PHONE NUMBER

PRINTED NAME AND TITLE

SIGNATURE

DATE

CONSTRUCTION MANAGER

COMPANY NAME

COMPANY ADDRESS

COMPANY PHONE NUMBER

PRINTED NAME AND TITLE

SIGNATURE

DATE

SUB-CONTRACTOR #1

SUB-CONTRACTOR'S RESPONSIBILITY

COMPANY NAME

COMPANY ADDRESS

COMPANY PHONE NUMBER

PRINTED NAME AND TITLE

SIGNATURE

DATE

USE ADDITIONAL SHEETS FOR ADDITIONAL SUB-CONTRACTORS. EACH SHEET WILL HAVE THE PROJECT NAME AND LOCATION AS DESCRIBED IN THE SITE DESCRIPTION ON THIS SHEET. EACH ADDITIONAL SUB-CONTRACTOR WILL PROVIDE THEIR RESPONSIBILITY, COMPANY NAME, ADDRESS AND PHONE NUMBER, PRINTED NAME AND TITLE, SIGNATURE AND DATE. THIS INFORMATION WILL BE KEPT WITH THIS PLAN.

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-COVER
Plotted: April 1, 2024 @ 4:42 PM By: John Whitehouse - Model Name: 29 SWPPP 22x34

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:42 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

STORMWATER POLLUTION PREVENTION PLAN

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	29
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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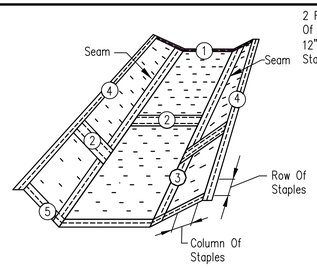
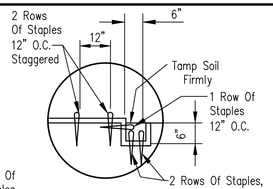
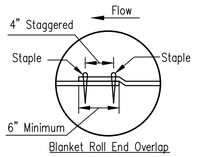
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-COVER

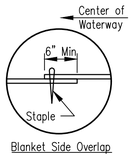




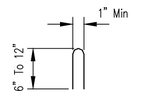
DETAIL 1



DETAIL 2



DETAIL 3

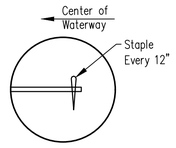


STAPLE DETAIL

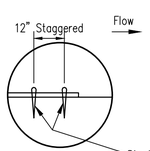
NOTES:

1. Install erosion control blanket (ECB) over waterway: Waterway Width_____ft
   ECB width _____ft
   length _____ft
   Sta. _____ to _____
2. The erosion control blanket shall consist of a machine produced mat of curled wood or coconut fibers, shall have an expected material life of a least 12 months, shall be new and unused, shall be furnished in rolls, and shall meet the minimum requirements stated in Table 1 below.
3. Prepare soil prior to installing erosion control blanket, including seeding, fertilizing, and lime application.
4. The erosion control blanket shall be placed in firm contact with the soil and not be allowed to bridge over surface irregularities. The blanket shall not be stretched.
5. Start laying the blankets by rolling center blanket in the direction of flow, centered on the centerline of waterway. There shall not be an overlap of blankets at the center of the waterway.
6. The erosion control blanket shall be anchored, overlapped, and stapled according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:
   a. Staples shall be "U" shaped, 0.12 in diameter wire or greater (#11 gauge). See Staple Detail for dimensions.
   b. Bury upstream end of blanket in a trench 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
   c. For joining ends of rolls, overlap end of upslope blanket a minimum of 6 inches over downslope blanket (shingle style). Use a double row of staggered staples 4 inches apart, as shown in Detail 2.
   d. Blankets on side slopes shall overlap a minimum 6 inches over the blanket below (shingle style). Staple overlap at 12 inch intervals. See Detail 3.
   e. The outer edge along sides of the blanket shall be stapled every 12 inches. See Detail 4.
   f. Staples are to be placed alternately in columns (in the direction of the waterway) 2 feet apart and in rows (across the waterway) 3 feet apart, throughout the area covered by erosion blanket.
   g. Downstream (terminal) end of blanket shall be stapled with a double row of staggered staples 12 inches apart. See Detail 5.

TABLE 1. MINIMUM REQUIREMENTS FOR EROSION CONTROL BLANKET		
	Coconut Blanket	Wood Fiber Blanket
Type of Fiber	100% coconut fibers	100% curled wood fibers
Weight, lbs/sq. yd	0.50	0.63
Fiber Length	N/A	80% of fibers > 6 in.
Fiber Dimensions	N/A	0.021 in. x 0.042 in.
	Optional – Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting, bound to the mat on max. 1.5" centers.	Optional – Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting



DETAIL 4



DETAIL 5

Not To Scale

Date 9/10
Designed M. QUINONES
Drawn –
Checked –
Approved –

EROSION BLANKET INSTALLATION DETAILS

NRCS Natural Resources Conservation Service United States Department of Agriculture

File No. IL ENG-61
Drawing No.

Sheet 1 of 1

FOR PERMANENT SEEDING SEE GRADING PLAN
TEMPORARY SEEDING

ALL TEMPORARY SEEDING SHALL BE INSTALLED PER THE ILLINOIS URBAN MANUAL

SEEDING MIXTURE

SPRING OATS – 100 LBS/AC

WINTER WHEAT – 100 LBS/AC

SUDANGRASS – 100 LBS/AC

HYDROSEEDING – PER MANUFACTURE'S RECOMMENDATIONS, SEED MIX MUST BE APPROPRIATE FOR DATE OF APPLICATION
IT IS PERMITTED TO APPLY SEED, FERTILIZER AND MULCH AT THE SAME TIME

MULCHING

ALL MULCH SHALL BE INSTALLED PER THE ILLINOIS URBAN MANUAL

STRAW OR HAY MULCH – 2 TONS PER ACRE ANCHORED TO SOIL

HYDRAULIC MULCH – 1 ½ TONS PER ACRE APPLIED PER MANUFACTURER'S RECOMMENDATIONS, HYDRAULIC MULCH MUST BE SUITABLE FOR 4:1 SLOPES

SEEDING SCHEDULE	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
TEMPORARY SEEDING AND MULCHING												
WINTER WHEAT												
SPRING OATS												
SUDAN GRASS												
MULCHING ONLY												

FERTILIZER MIXTURE FOR PROPOSED SEEDING AREAS
NITROGEN (N) 120 LBS./AC.
PHOSPHORUS (P) 52 LBS./AC. OR 120 LBS./AC. P_2O_5
POTASSIUM (K) 100 LBS./AC. OR 120 LBS./AC. K_2O

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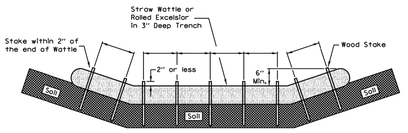
TEMPORARY SEEDING AND MULCHING INFORMATION & SCHEDULE

Engineering Enterprises, Inc. 52 Wheeler Road Sugar Grove, Illinois 60554 Phone: (630) 466-9350	SCALE: N.T.S.	FOLDER: EE-SE	DRAWING NUMBER: SI-03	DRAWN BY: BLM
	DATE: 8/24/94			REVISED: 02/25/08

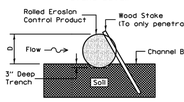
ROLLED EROSION CONTROL PRODUCTS

Staking Pattern Guide

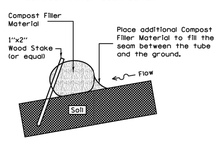


Notes:
1. Overlap minimum is the diameter of the roll.
2. 4' spacing for wattles.
3. 2' spacing for rolled excelsior.
4. Or space according to manufacturer's specifications.

Stake Detail



Compost Filter Sock Detail

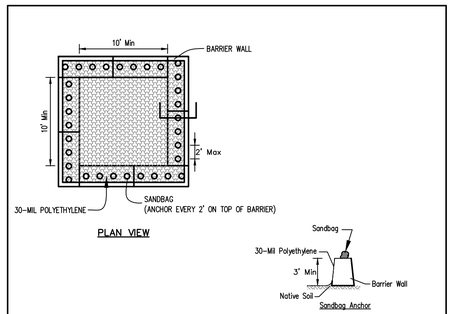


When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

Notes:
1. Drawings are not to scale.
2. Ends of wattles or rolled excelsior shall be turned at least 6" upslope.
3. Recommended stakes are 1 1/8" wide x 1 1/8" thick x 30" long
4. Stakes shall not extend above the straw wattle more than 2".
5. Spacing: The toe of the upstream ditch check shall create a horizontal line with the top of the downstream ditch check.
6. When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

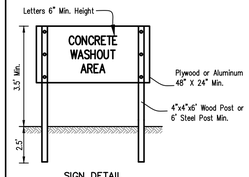
REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO. IUM-514
SHEET 1 OF 1
DATE 8-19-11



PLAN VIEW

BARRIER WALL ANCHOR SECTION



SIGN DETAIL

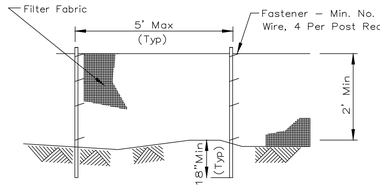
NOTES:
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

No.	Date	By	Description
1	10/15/19	BLM	Revised Notes

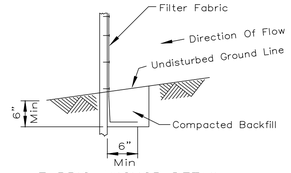
TEMPORARY CONCRETE WASHOUT FACILITY – BARRIER WALL

Date
Designed _____
Drawn K. JOHNSON 4/08
Checked _____
Approved _____

SILT FENCE PLAN



ELEVATION



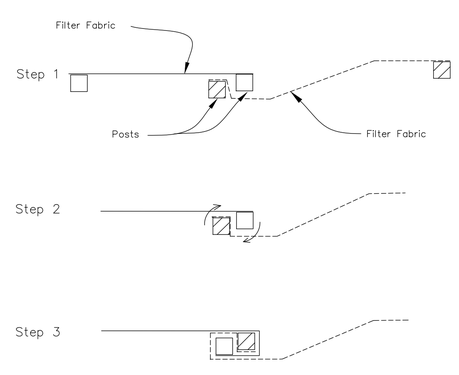
FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross–sectional area of 3.0 sq. in.

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

STANDARD DWG. NO. IUM-620
SHEET 1 OF 2
DATE 3-16-12

SILT FENCE – SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

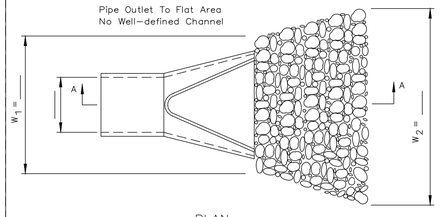
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

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

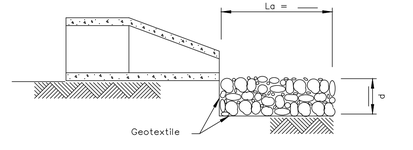
STANDARD DWG. NO. IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

PIPE OUTLET TO FLAT AREA

Pipe Outlet To Flat Area
No Well–defined Channel



PLAN



SECTION A–A

NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
2. The rock riprap shall shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

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

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-610
SHEET 1 OF 1
DATE 9-15-93

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PLOT DATE = April 1, 2024 @ 4:41 PM	DATE –	REVISED –	

KENDALL COUNTY HIGHWAY DEPARTMENT

SWPPP DETAILS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	30
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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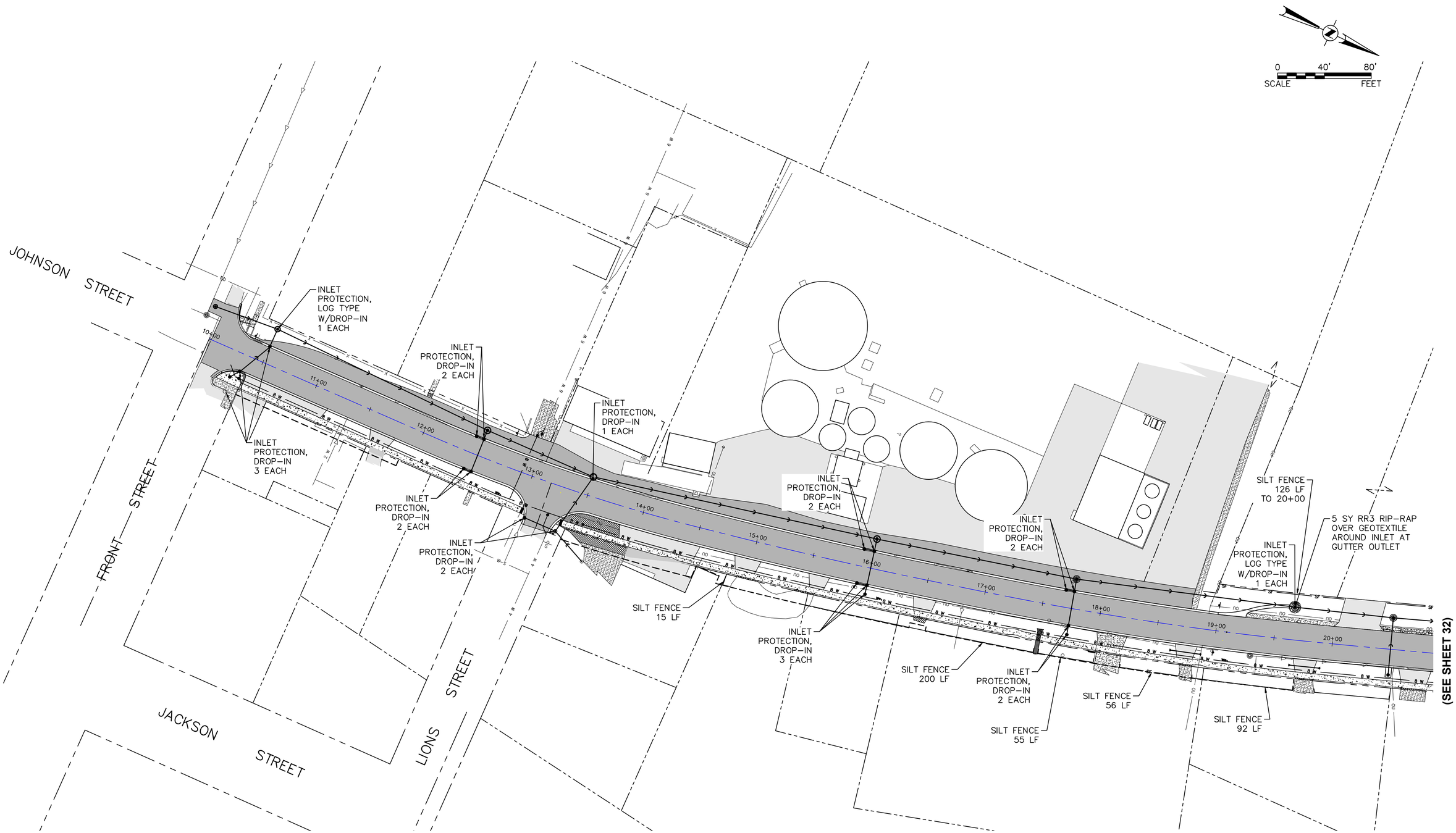
Plotted: April 1, 2024 @ 4:41 PM By: John Whitehouse – Model Name: 30 SWPPP Dets

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-COVER

PLOT: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-COVER



(SEE SHEET 32)

Plotted: August 30, 2024 @ 12:30 PM By: John Whitehouse – Model Name: 31-SESCP

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

Plotted: August 30, 2024 @ 12:30 PM By: John Whitehouse – Model Name: 31-SESCP

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

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PLOT DATE = August 30, 2024 @ 12:30 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

SOIL EROSION & SEDIMENTATION CONTROL PLAN 10+00 to 20+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	31
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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(SEE SHEET 31)

(SEE SHEET 33)

INLET PROTECTION, LOG TYPE W/DROP-IN 1 EACH

ROLLED EROSION CONTROL PRODUCT 12 LF

SILT FENCE 956 LF TO 30+00

INLET PROTECTION, LOG TYPE W/DROP-IN 1 EACH

ROLLED EROSION CONTROL PRODUCT 12 LF

INLET PROTECTION, LOG TYPE W/DROP-IN 1 EACH

ROLLED EROSION CONTROL PRODUCT 12 LF

INLET PROTECTION, LOG TYPE W/DROP-IN 1 EACH

ROLLED EROSION CONTROL PRODUCT 12 LF

ROLLED EROSION CONTROL PRODUCT 30 LF

SILT FENCE 70 LF

INLET PROTECTION, DROP-IN 2 EACH

INLET PROTECTION, DROP-IN 2 EACH

INLET PROTECTION, DROP-IN 1 EACH

INLET PROTECTION, DROP-IN 2 EACH

INLET PROTECTION, DROP-IN 3 EACH

SILT FENCE 648 LF

SILT FENCE 484 LF

22 SY RR 3 RIP-RAP OVER GEOTEXTILE AT STORM SEWER OUTLET

CLEAR CREEK

SHIRLEY COURT

0 40' 80'
SCALE FEET

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KENDALL COUNTY HIGHWAY DEPARTMENT

SOIL EROSION & SEDIMENTATION CONTROL PLAN 20+00 to 30+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	32
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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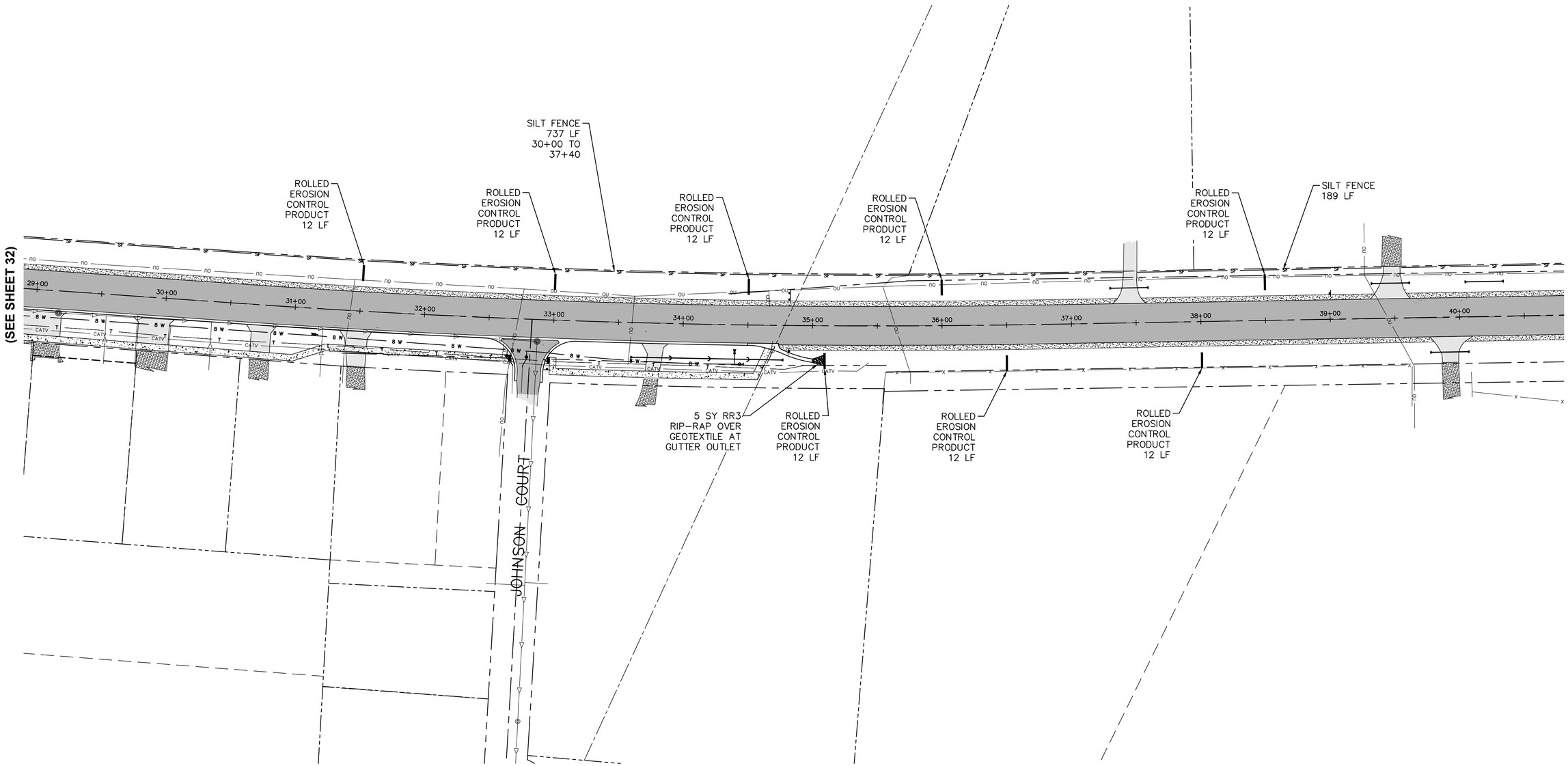

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KENDALL COUNTY HIGHWAY DEPARTMENT

SOIL EROSION & SEDIMENTATION CONTROL PLAN 30+00 to 40+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	33
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: July 16, 2024 @ 11:43 AM By: John Whitehouse - Model Name: 33-SESCP
Path: H:\SDSKPROJ\VE_KENDALL COUNTY\2020\VE2001\DWG FINAL ENG\VE2001-FINAL-ENG

0 40' 80'
SCALE FEET

(SEE SHEET 33)

SILT FENCE
545 LF

ROLLED EROSION CONTROL PRODUCT
12 LF

ROLLED EROSION CONTROL PRODUCT
12 LF

SILT FENCE
185 LF

ROLLED EROSION CONTROL PRODUCT
12 LF

ROLLED EROSION CONTROL PRODUCT
12 LF

ROLLED EROSION CONTROL PRODUCT
12 LF

ROLLED EROSION CONTROL PRODUCT
12 LF

38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00

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KENDALL COUNTY
HIGHWAY DEPARTMENT

SOIL EROSION & SEDIMENTATION CONTROL PLAN 40+00 to 46+75

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	34
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

JOHNSON STREET

FRONT STREET

JACKSON STREET

REMOVE AND REPLACE EXISTING STOP SIGN. STA. 10+35, 18'L

REMOVE AND REPLACE EXISTING SPEED LIMIT SIGN WITH NEW R2-1 SIGN (SPEED LIMIT 30) AND REMOUNT EXISTING VILLAGE HALL SIGN, ALL AT STA. 12+75, 30'L

24" WHITE STOP BAR, 6" WHITE CROSSWALK

4" WHITE EDGE LINE (TYP.) 12 FOOT LANES

24" WHITE STOP BAR, 6" WHITE CROSSWALK

REMOVE AND REPLACE EXISTING STOP SIGN. STA. 10+35, 18'L

4" YELLOW SKIP DASH CENTERLINE MARKING (10' LINE, 30' GAP)

4" WHITE EDGE LINE (TYP.) 12 FOOT LANES

REMOVE EXISTING SPEED LIMIT SIGN FROM POWER POLE AND REPLACE WITH NEW R2-1 SIGN (SPEED LIMIT 30) AND POST AT STA. 19+00, 22'L

REMOVE SPEED LIMIT SIGN FROM U-POLE AND REPLACE WITH NEW R2-1 SIGN (SPEED LIMIT 30) AND POST AT STA. 19+00, 18.75'R

(SEE BELOW)

0 40' 80'
SCALE FEET

(SEE ABOVE)

4" YELLOW SKIP DASH CENTERLINE MARKING (10' LINE, 30' GAP)

4" WHITE EDGE LINE (TYP.) 12 FOOT LANES

REMOVE SPEED LIMIT SIGN FROM U-POLE AND REPLACE WITH NEW R2-1 SIGN (SPEED LIMIT 30) AND POST AT STA. 26+15, 18.75'R

24" WHITE STOP BAR, 6" WHITE CROSSWALK

REMOVE EXISTING SPEED LIMIT SIGN FROM POWER POLE AND REPLACE WITH NEW R2-1 SIGN (SPEED LIMIT 30) AND POST AT STA. 28+00, 22'L

NEW 30 MPH SPEED LIMIT SIGN 28+50, 21'R

REMOVE AND REPLACE EXISTING STOP SIGN.

(SEE SHEET 36)

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KENDALL COUNTY HIGHWAY DEPARTMENT

SIGNAGE & STRIPING
10+00 to 30+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	35
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: July 16, 2024 @ 11:47 AM By: John Whitehouse - Model Name: 35-P-SS

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Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-FINAL-ENG

(SEE SHEET 35)

REMOVE AND REPLACE EXISTING SPEED LIMIT 30 SIGN WITH NEW R2-1 SIGN (SPEED LIMIT 30). AT STA. 34+82, 20'L

REMOVE AND RESET VILLAGE OF NEWARK SIGN 34+82, 23'L

REMOVE EXISTING W3-5a SIGN AT 42+25, LEFT AND PLACE NEW W3-5 SIGN (SPEED LIMIT 30) AT STATION 39+00, 20'L

REMOVE AND RESET EXISTING STREET SIGN, SAME LOCATION

NEW R1-1 STOP SIGN.

24" WHITE STOP BAR, 6" WHITE CROSSWALK

JOHNSON COURT

REMOVE AND REPLACE EXISTING SPEED LIMIT 55 SIGN WITH NEW R2-1 SIGN (SPEED LIMIT 55) AT STA. 34+82, 20'R

4" YELLOW SKIP DASH CENTERLINE MARKING (10' LINE, 30' GAP)

4" WHITE EDGE LINE (TYP.) 12 FOOT LANES

(SEE BELOW)

0 40' 80'
SCALE FEET

(SEE ABOVE)

REMOVE EXISTING W3-5a SIGN AT 42+25, LEFT AND PLACE NEW W3-5 SIGN (SPEED LIMIT 30) AT STATION 39+00, 19'L

4" YELLOW SKIP DASH CENTERLINE MARKING (10' LINE, 30' GAP)

4" WHITE EDGE LINE (TYP.) 12 FOOT LANES

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KENDALL COUNTY HIGHWAY DEPARTMENT

SIGNAGE & STRIPING
30+00 to 46+75

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	36
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

Plotted: July 16, 2024 @ 11:48 AM By: John Whitehouse - Model Name: 36-P-SS
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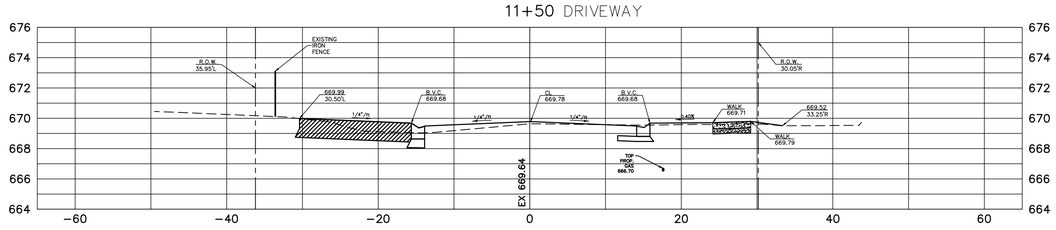

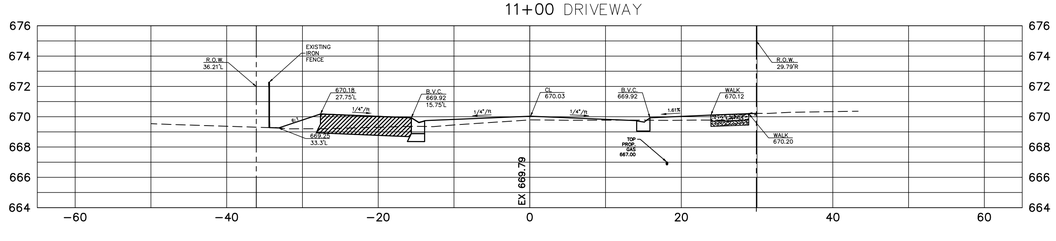

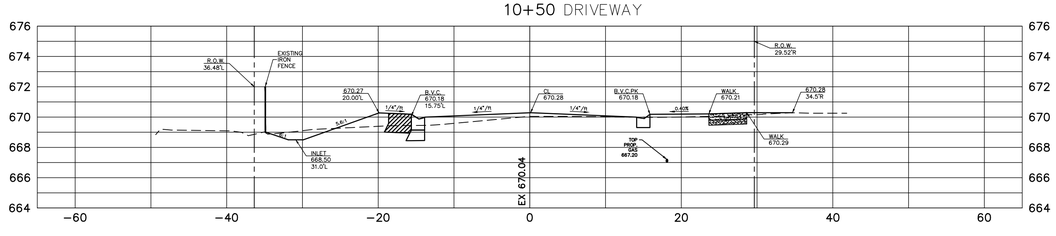

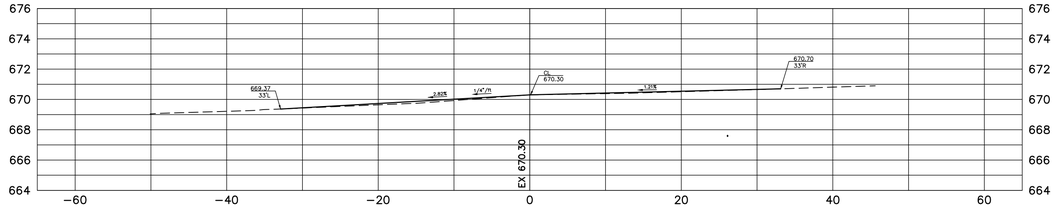

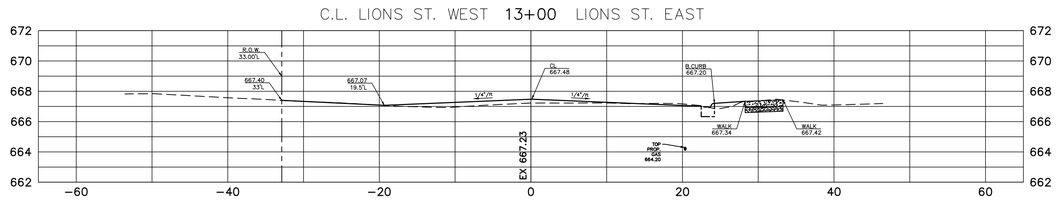

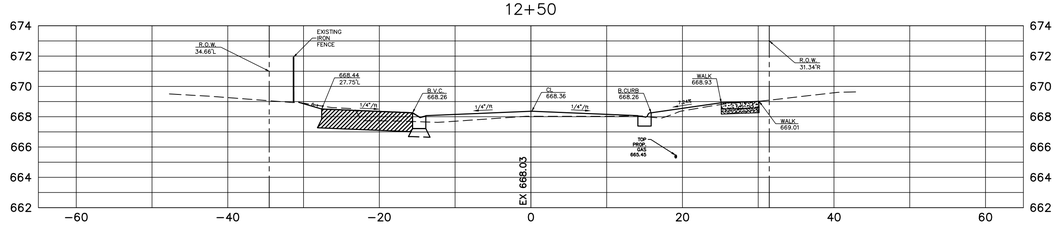

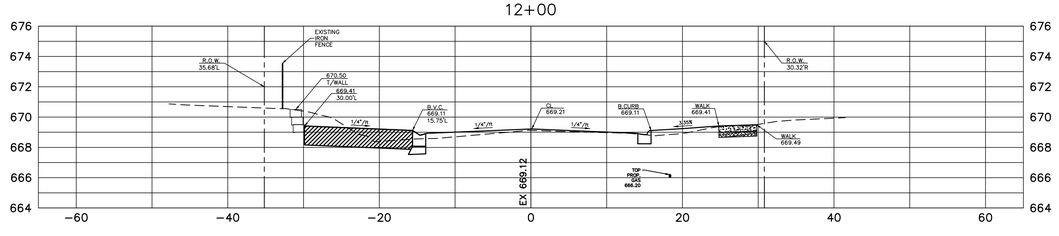

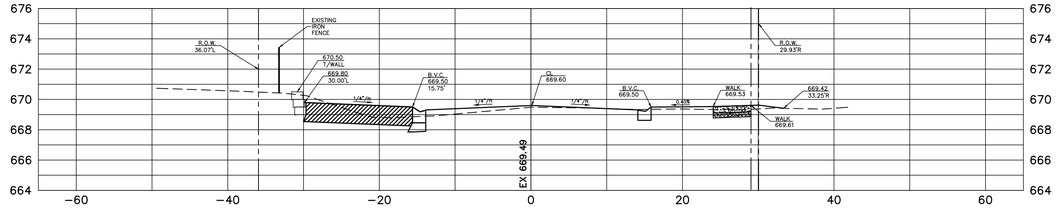

SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 10+02 TO STA. 13+00

F.A.-- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	37
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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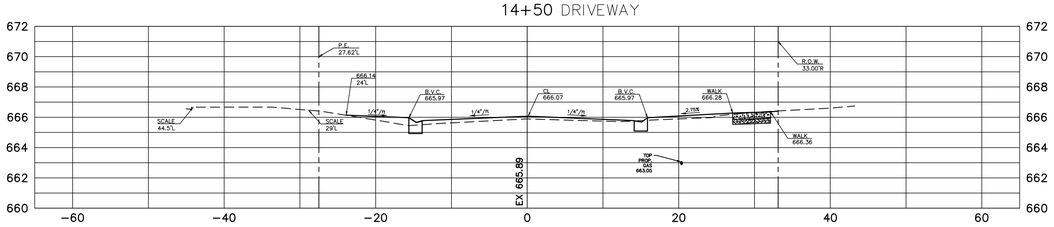
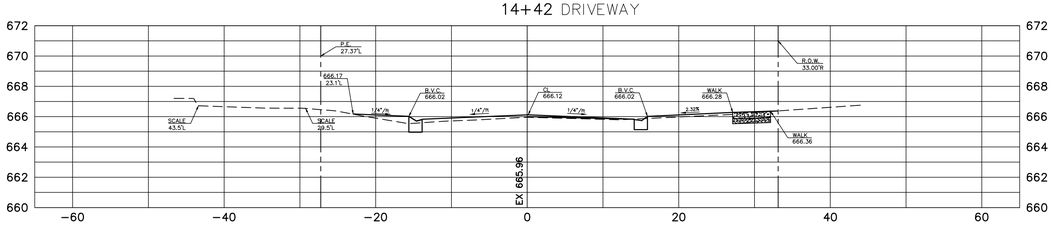
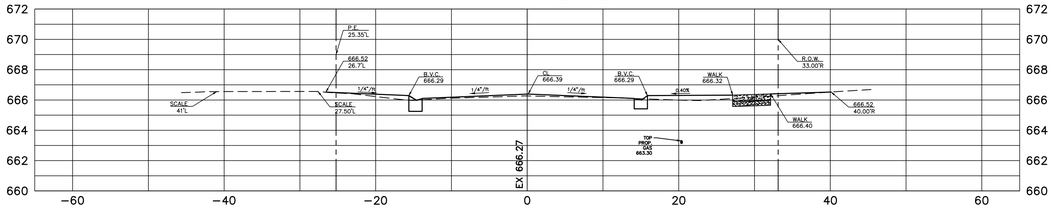
14+50 DRIVEWAY



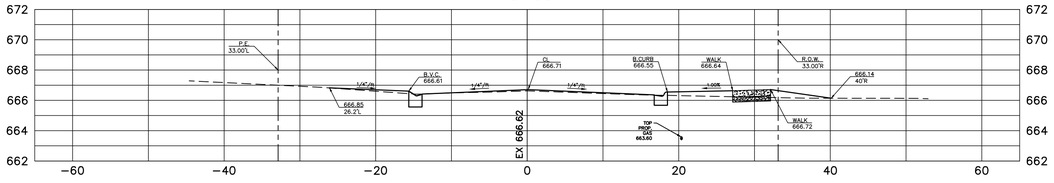
14+42 DRIVEWAY



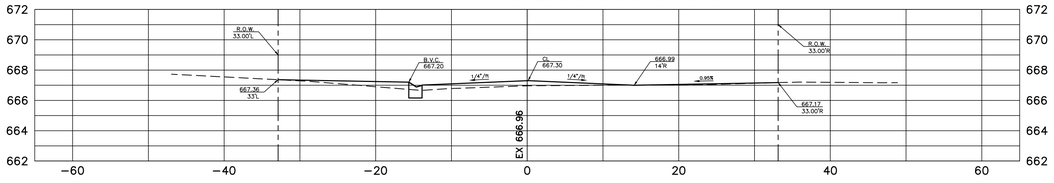
14+00 DRIVEWAY



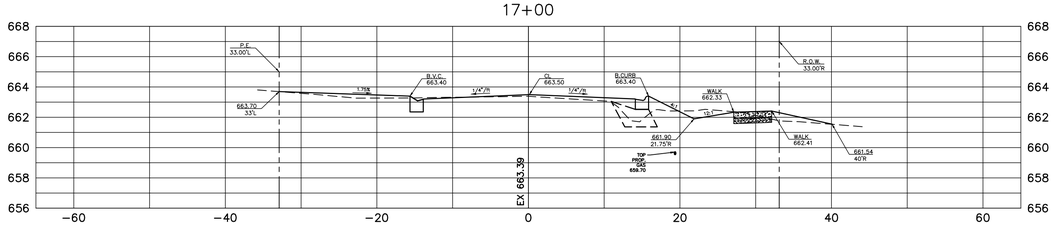
13+50



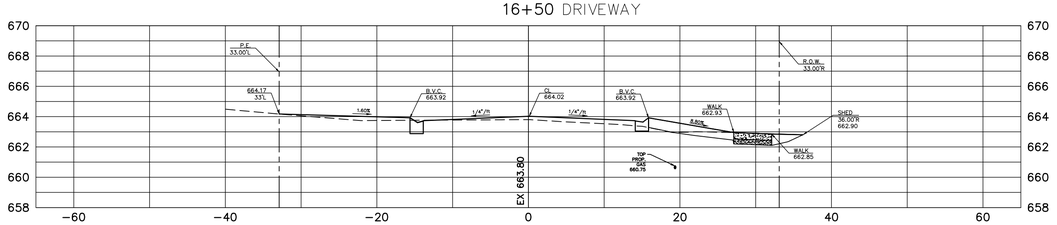
13+20 C.L. LIONS ST. EAST



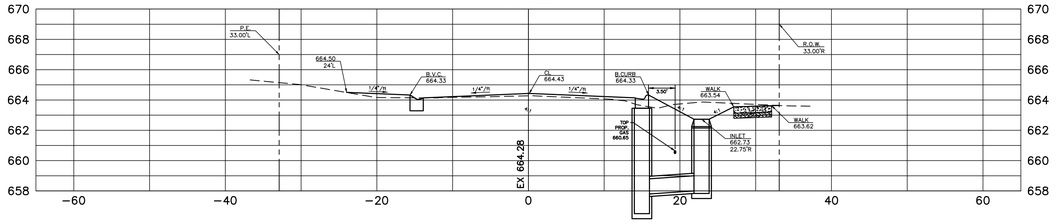
17+00



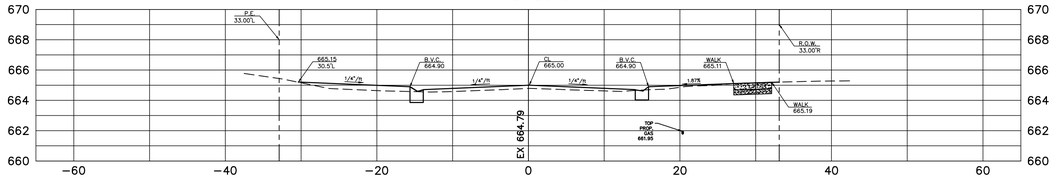
16+50 DRIVEWAY



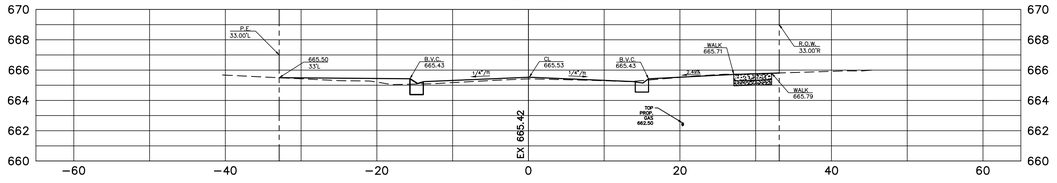
16+00



15+50 DRIVEWAY



15+00 DRIVEWAY



SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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	DRAWN -	REVISED -
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PLOT DATE = July 16, 2024 @ 12:55 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 13+20 | TO STA. 17+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	38
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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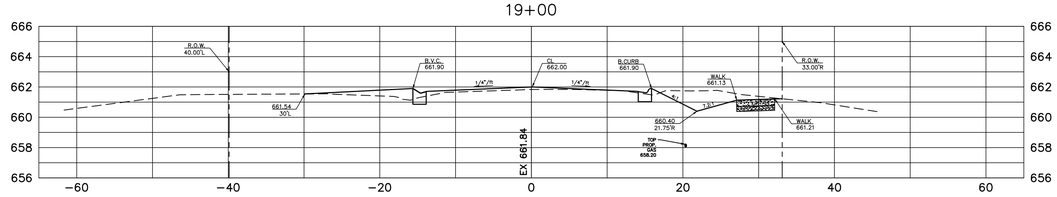
Plotted: July 16, 2024 @ 12:55 PM By: John Whitehouse – Model Name: 38-XS

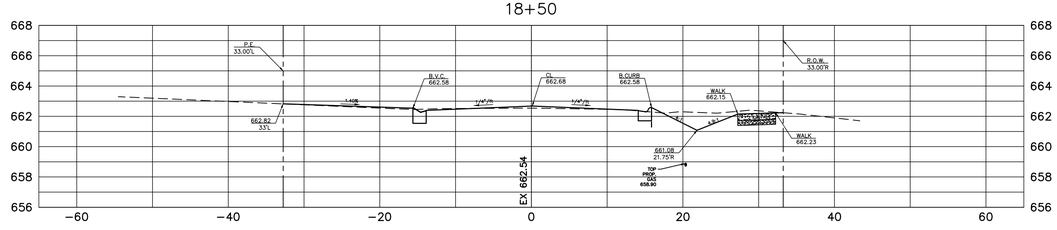
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

PATH: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

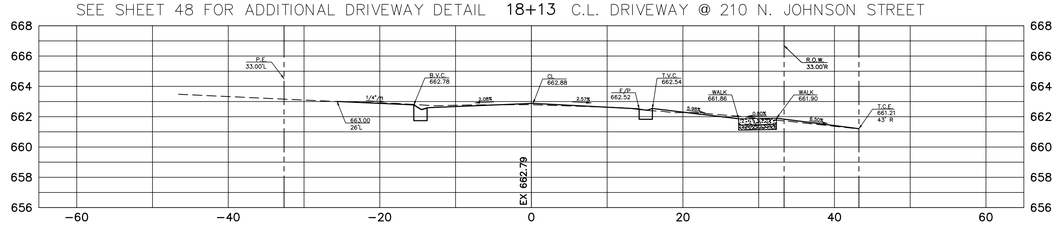
19+00



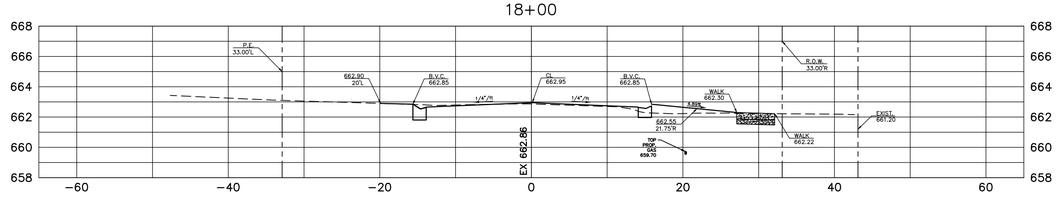
18+50



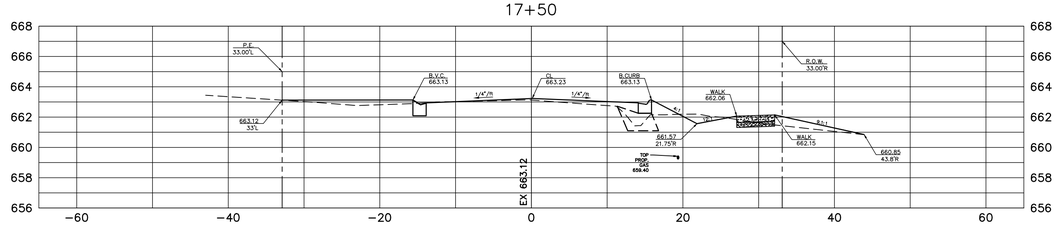
SEE SHEET 48 FOR ADDITIONAL DRIVEWAY DETAIL **18+13** C.L. DRIVEWAY @ 210 N. JOHNSON STREET



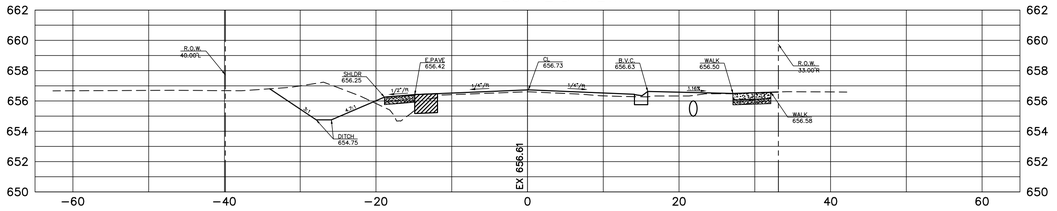
18+00



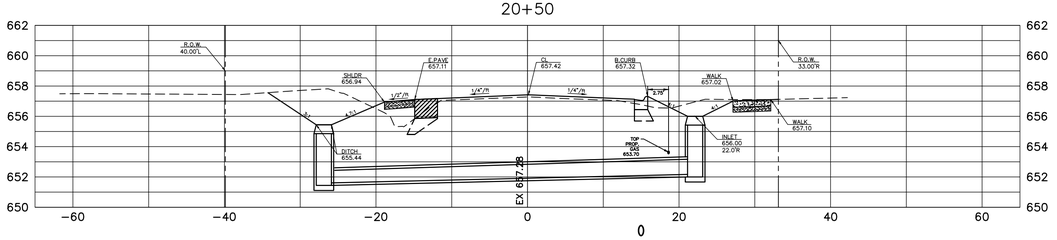
17+50



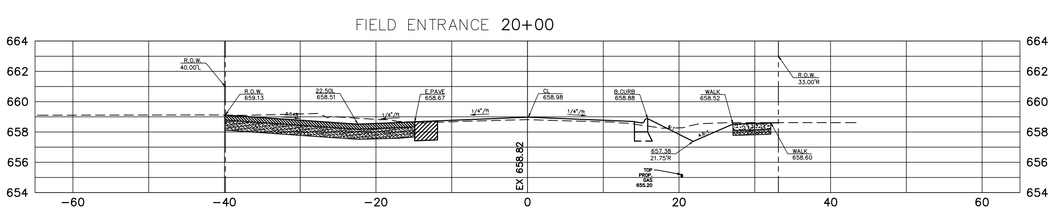
20+72 DRIVEWAY



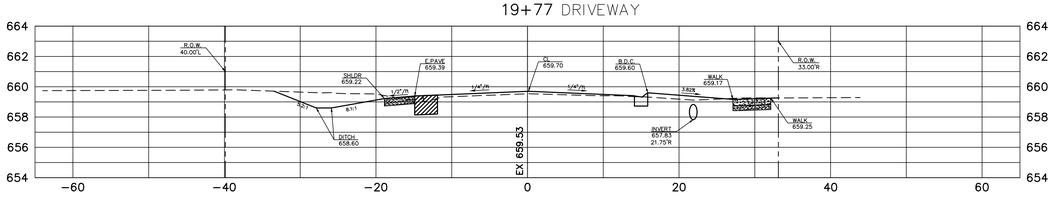
20+50



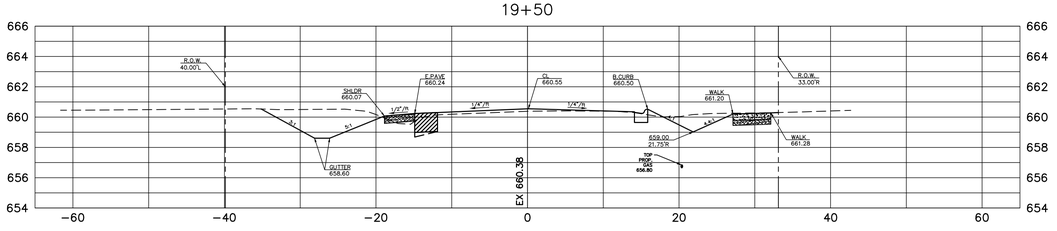
FIELD ENTRANCE 20+00



19+77 DRIVEWAY



19+50



SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 12:56 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 17+50 | TO STA. 20+72

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	39
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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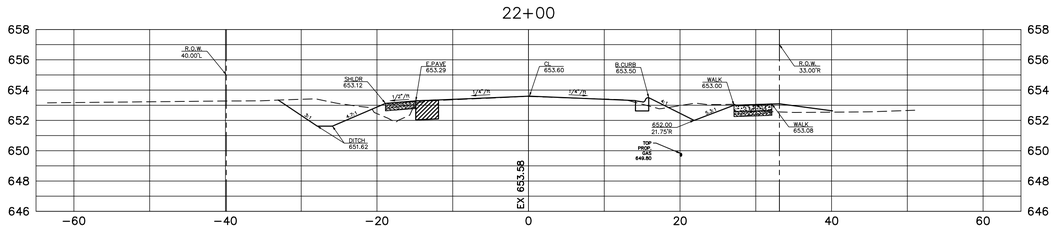
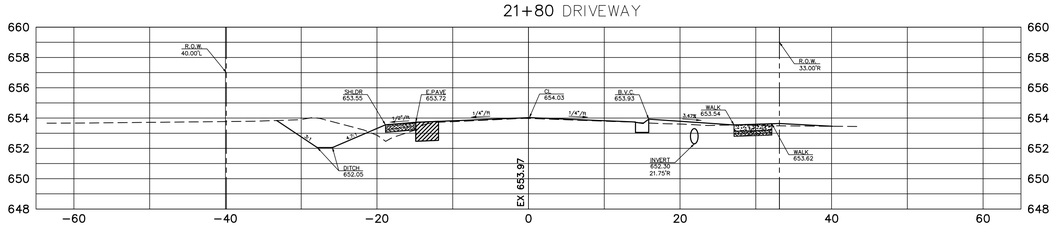
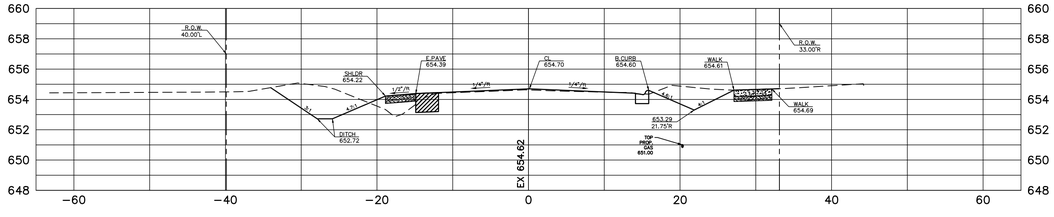
Plotted: July 16, 2024 @ 12:56 PM By: John Whitehouse - Model Name: 39-XS

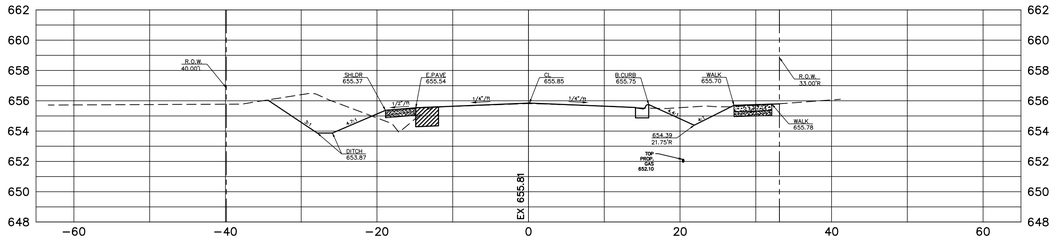
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

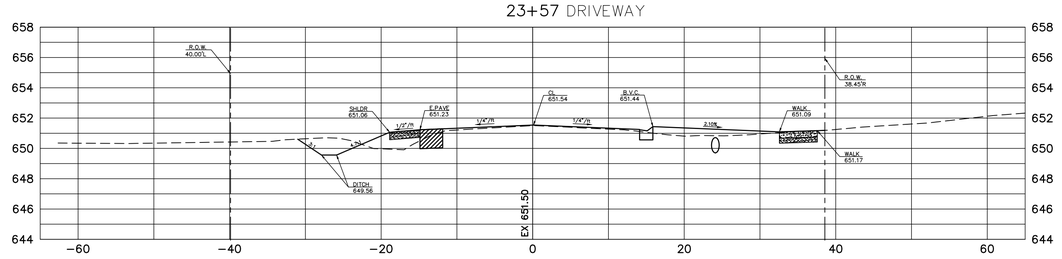
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

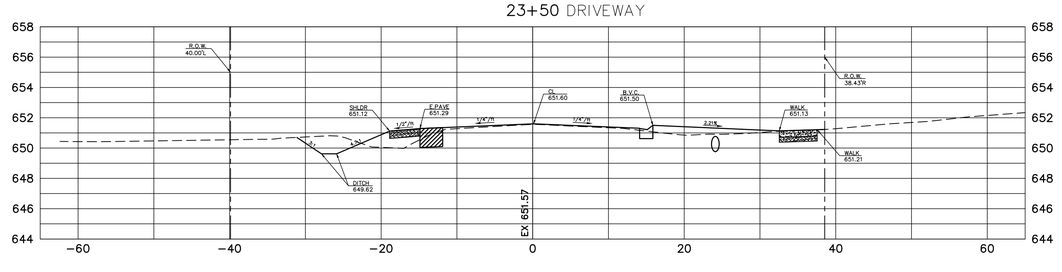


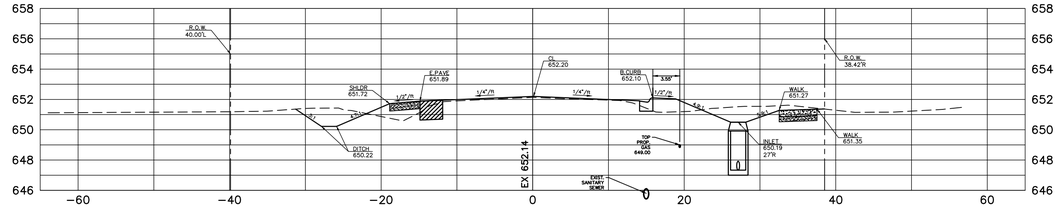


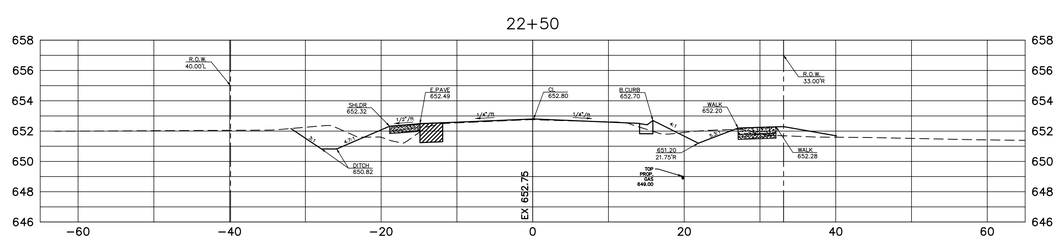












SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 1:01 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 21+00 TO STA. 23+57

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	40
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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Plotted: July 16, 2024 @ 1:01 PM By: John Whitehouse — Model Name: 40-XS
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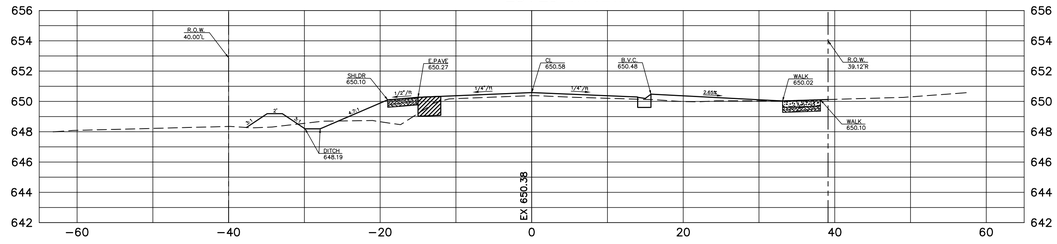

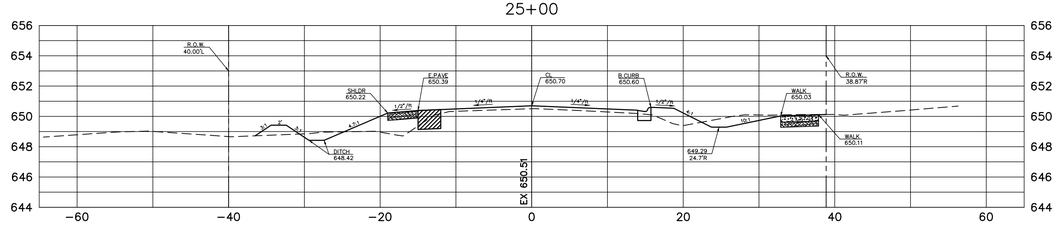

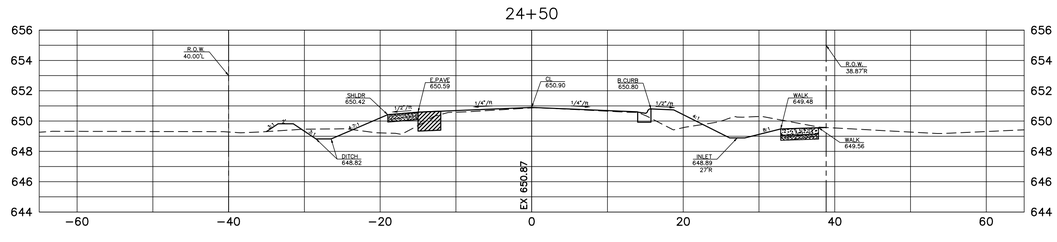

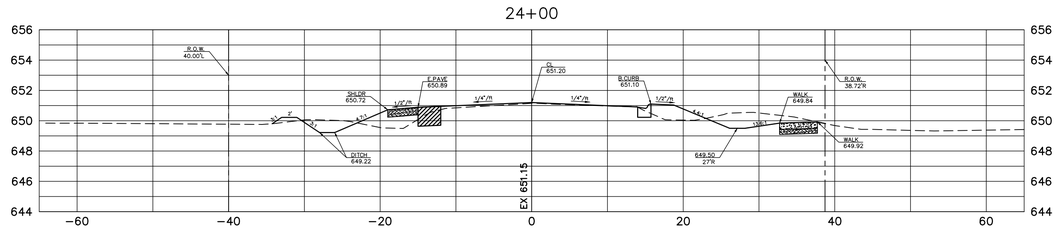

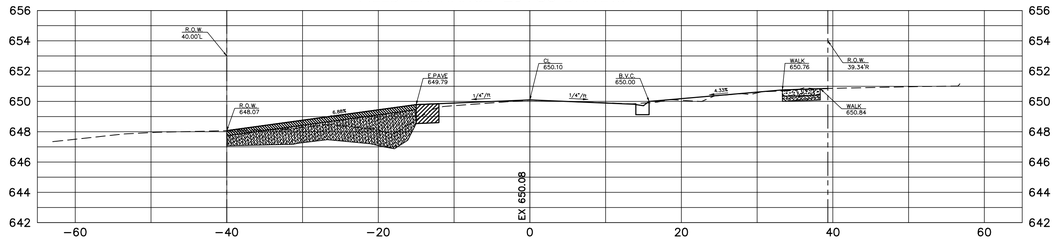

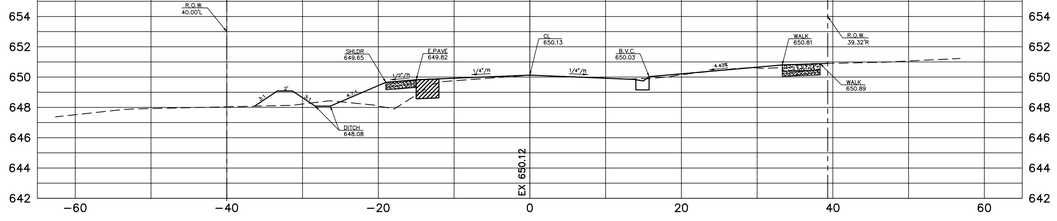

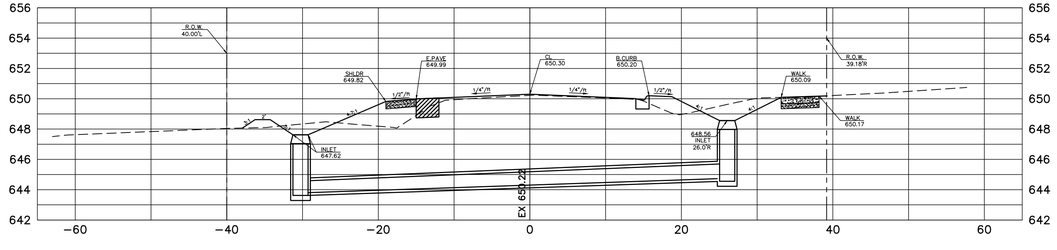

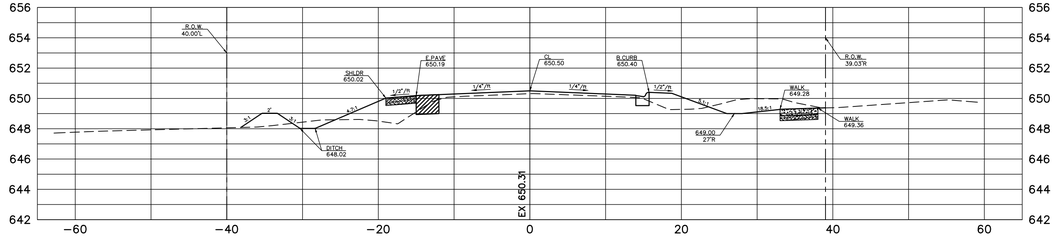

SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 3:59 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 24+00 | TO STA. 26+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	41
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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Plotted: April 1, 2024 @ 3:59 PM By: John Whitehouse - Model Name: 41-XS
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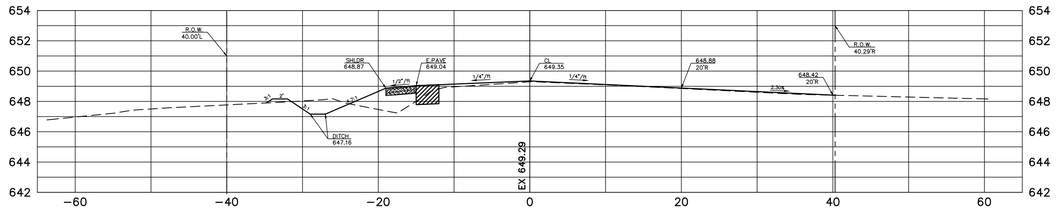
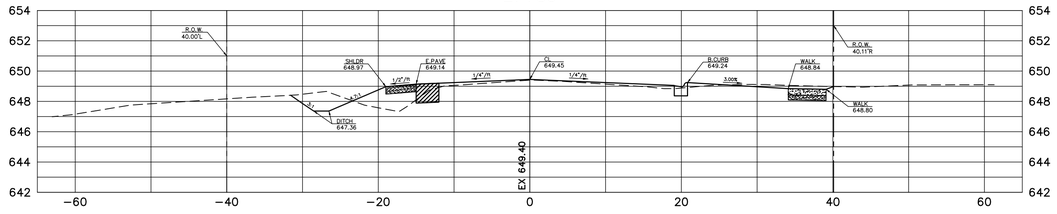
Plotted: April 1, 2024 @ 3:59 PM By: John Whitehouse - Model Name: 41-XS
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

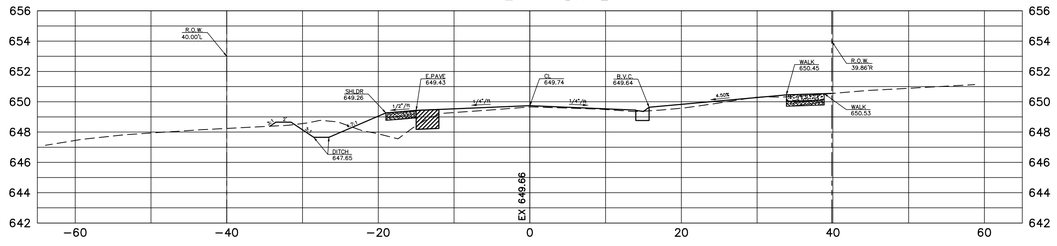
27+75 SHIRLEY COURT



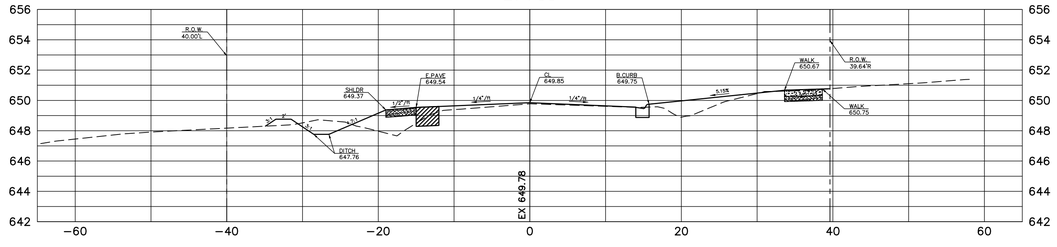
27+50



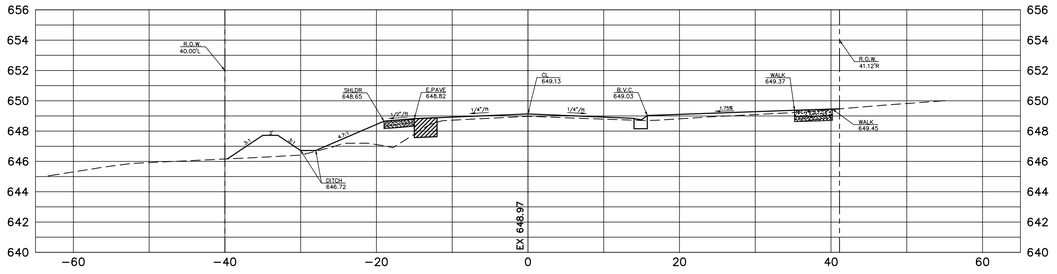
27+14 DRIVEWAY



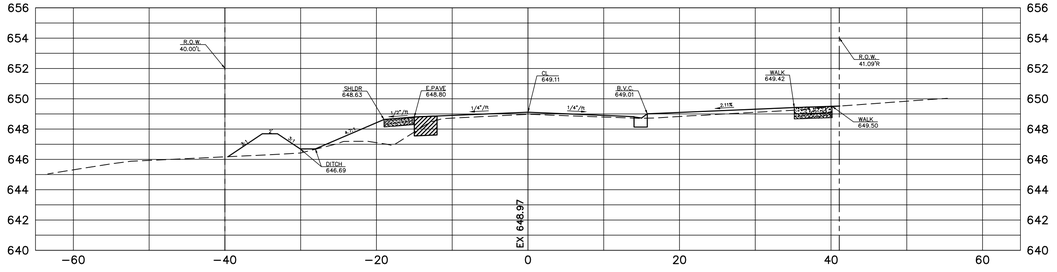
27+00



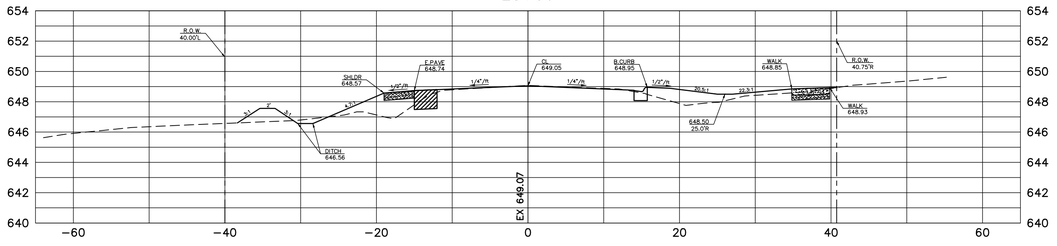
29+00 DRIVEWAY



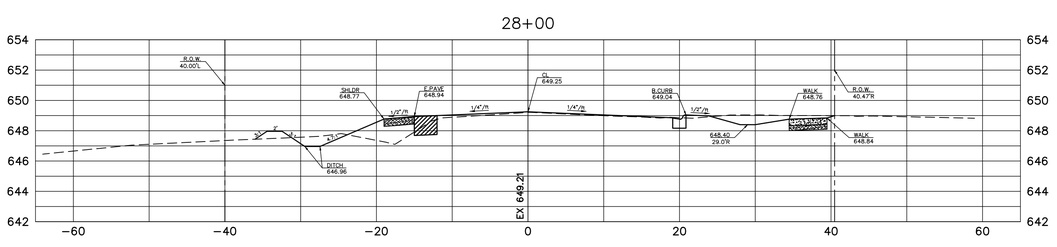
28+96 DRIVEWAY



28+50



28+00



SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 3:59 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 27+00 | TO STA. 29+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	42
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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Plotted: April 1, 2024 @ 3:59 PM By: John Whitehouse - Model Name: 42-XS

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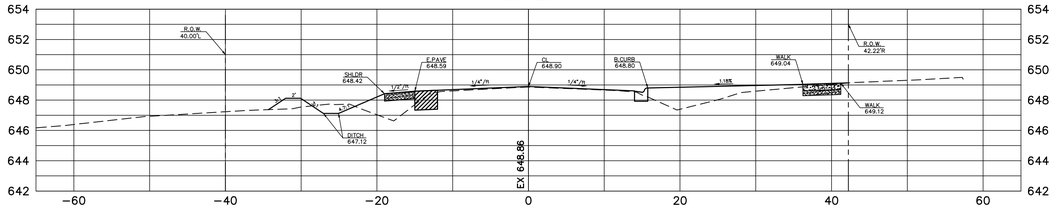

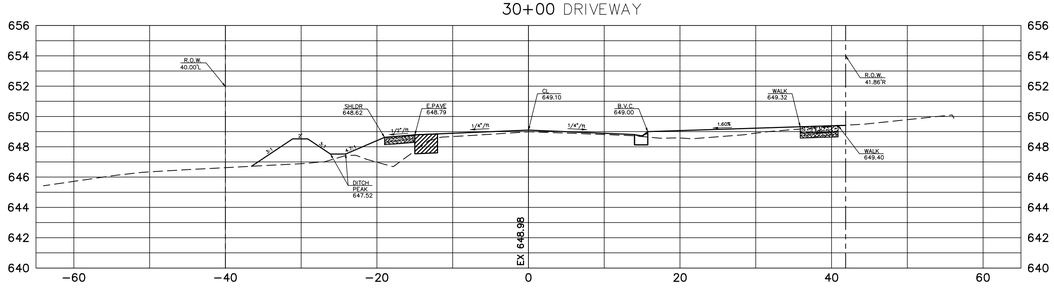

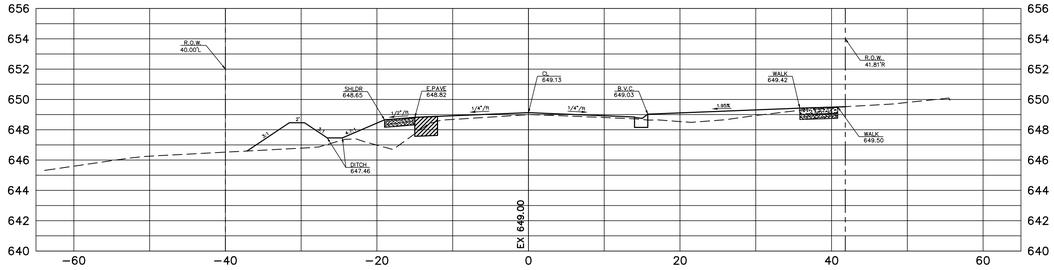

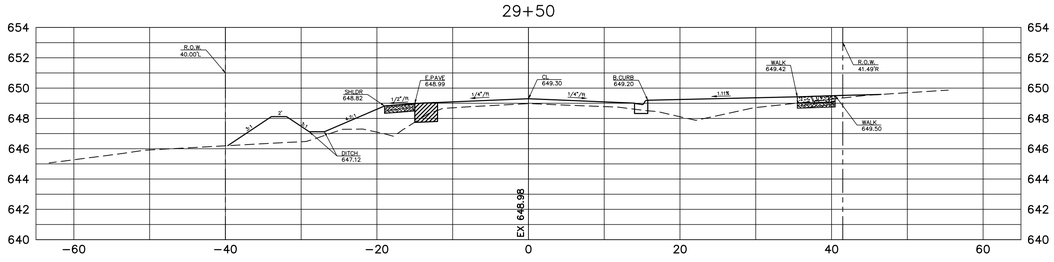

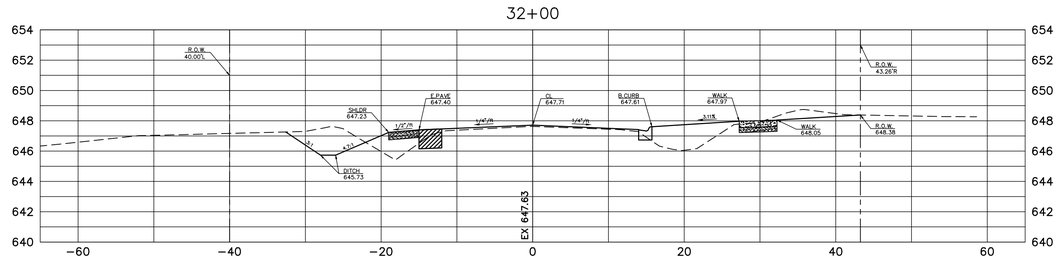

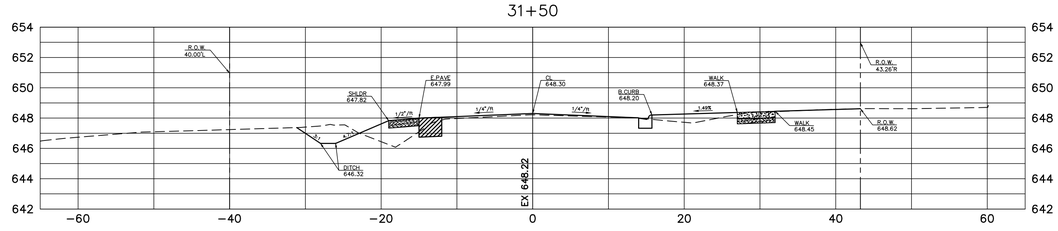

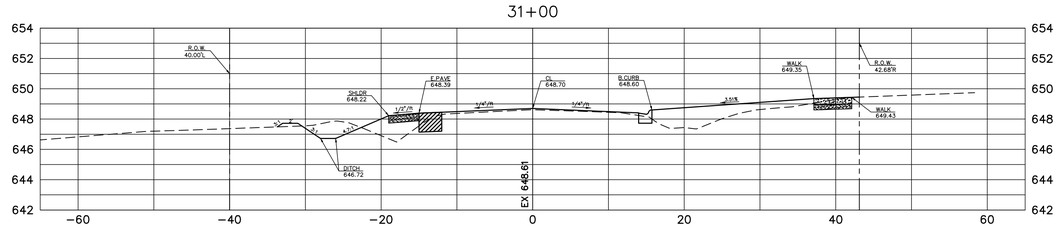

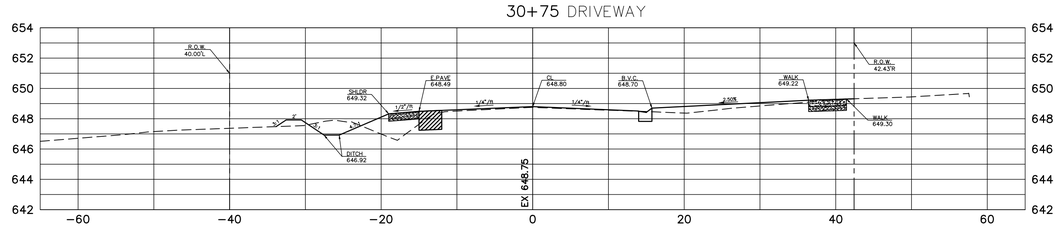

SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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52 Wheeler Road
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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:00 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 29+50 | TO STA. 32+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	43
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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Plotted: April 1, 2024 @ 4:00 PM By: John Whitehouse - Model Name: 43-XS

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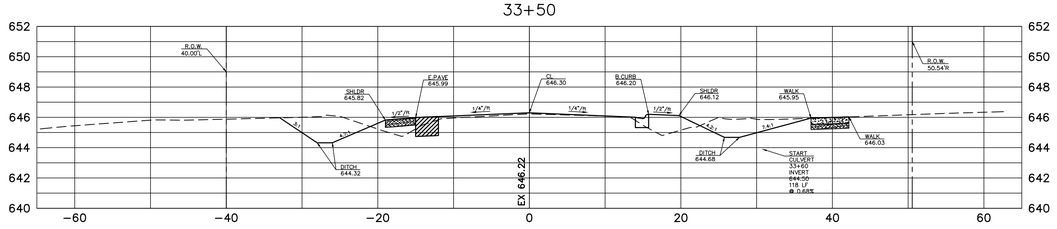

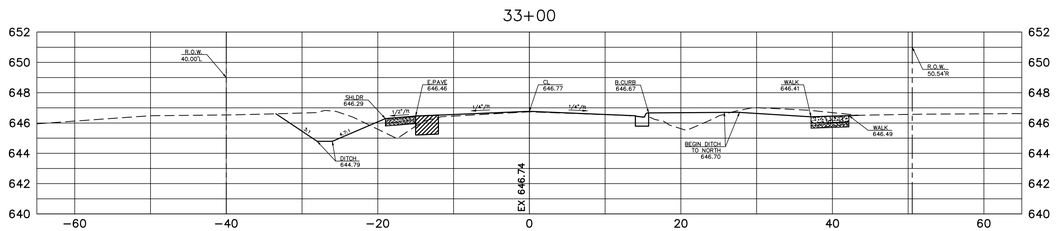

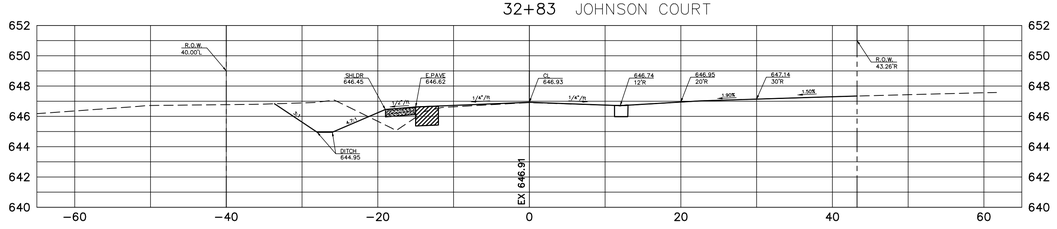

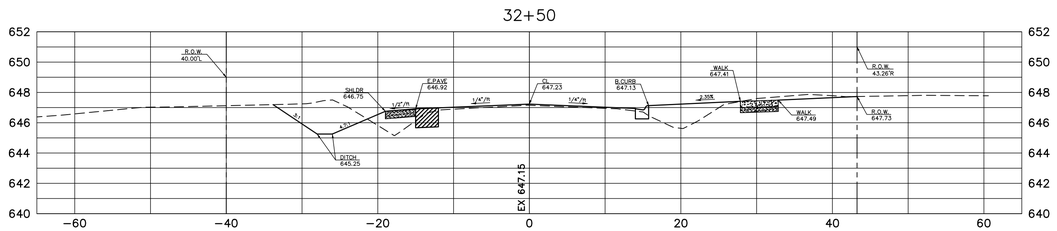

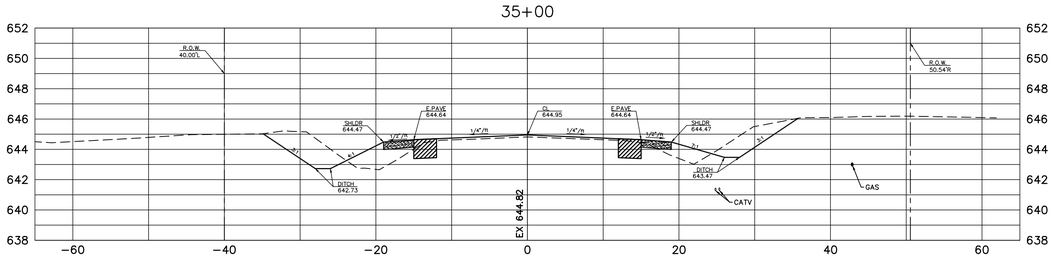

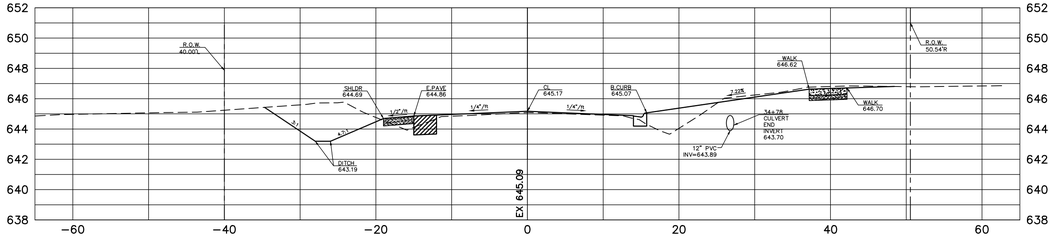

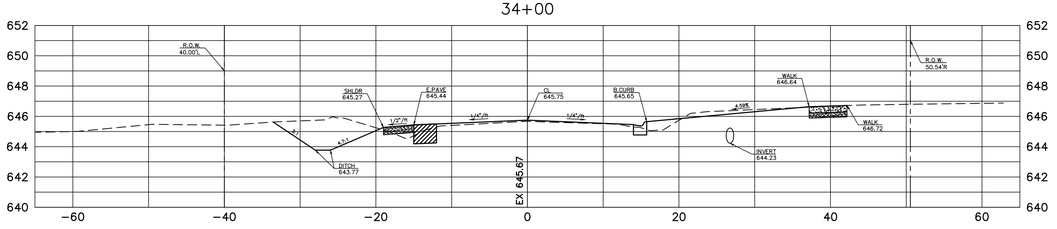

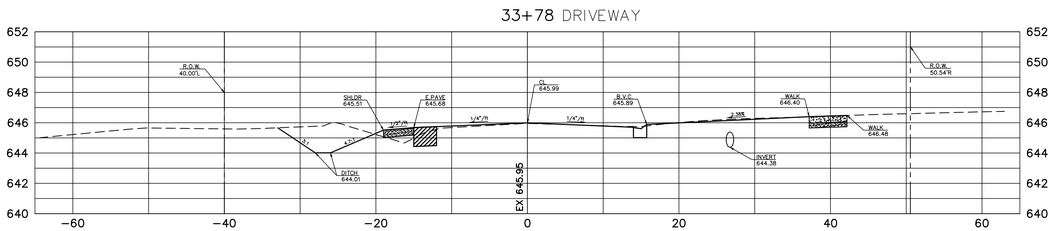

SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:00 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 32+50 | TO STA. 35+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	44
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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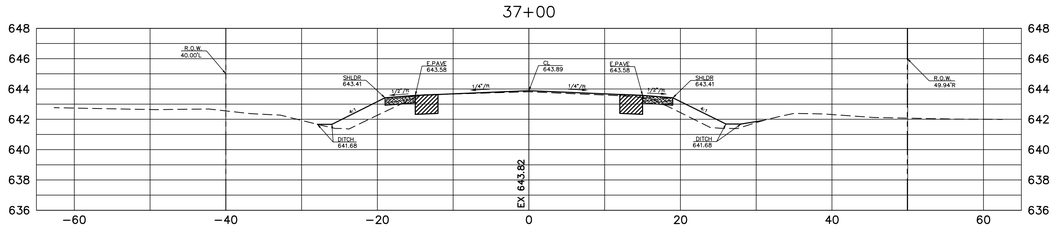
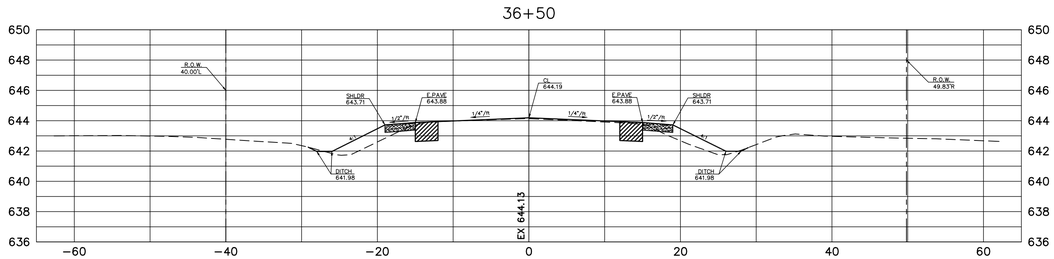
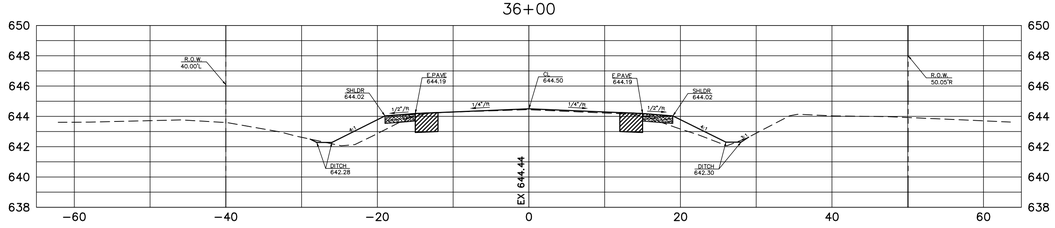
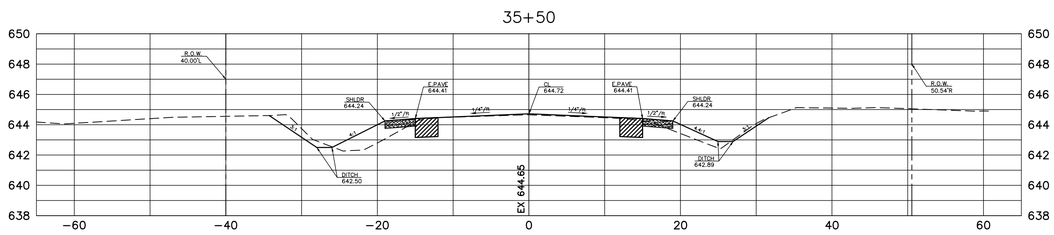
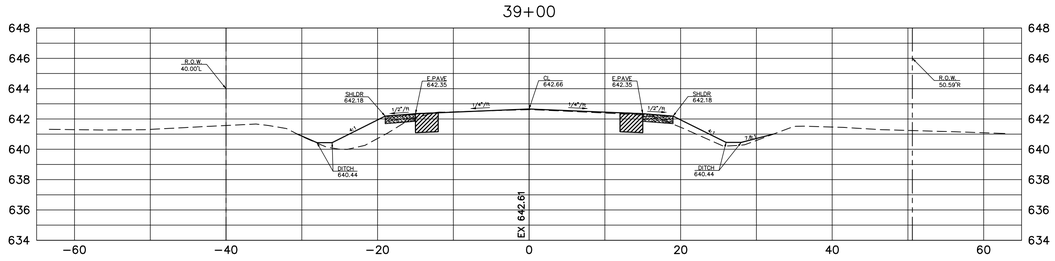
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION
Plotted: April 1, 2024 @ 4:00 PM By: John Whitehouse - Model Name: 44-XS
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

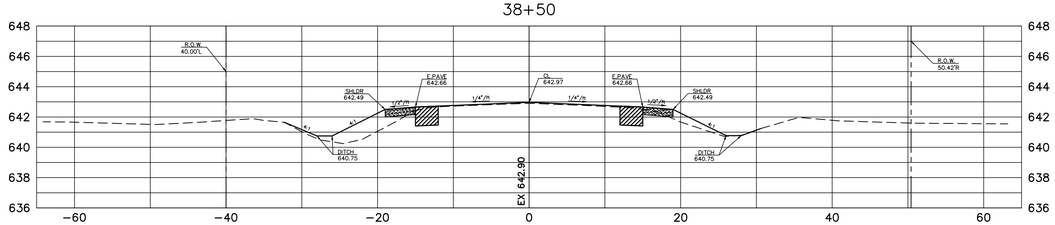


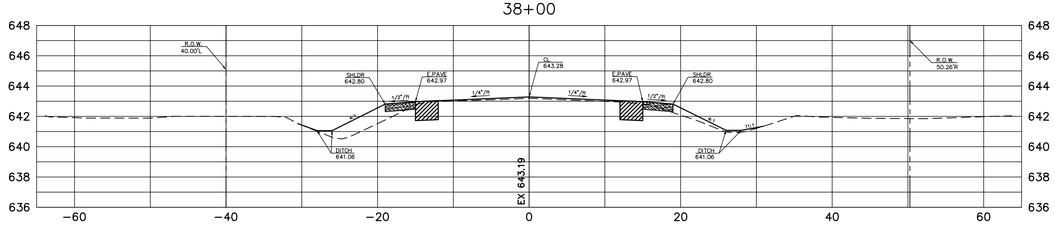


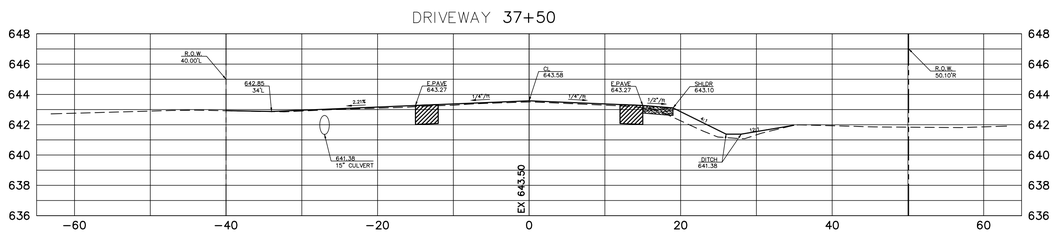












SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:00 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 35+50 TO STA. 39+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	45
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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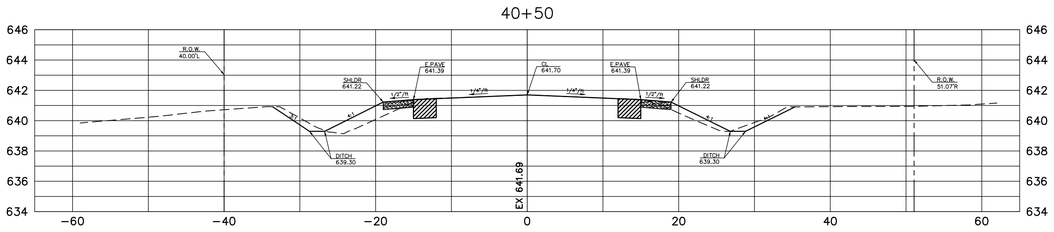
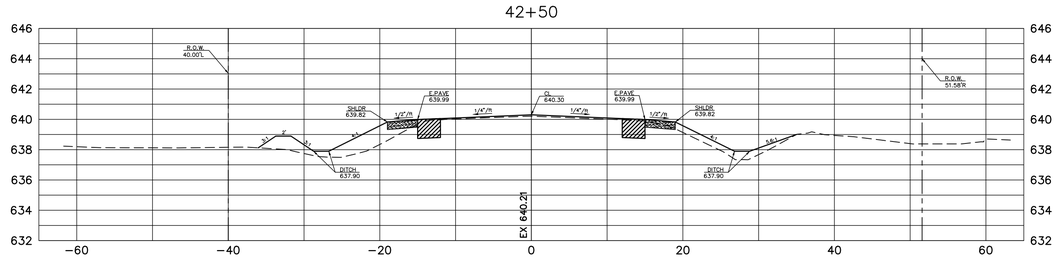
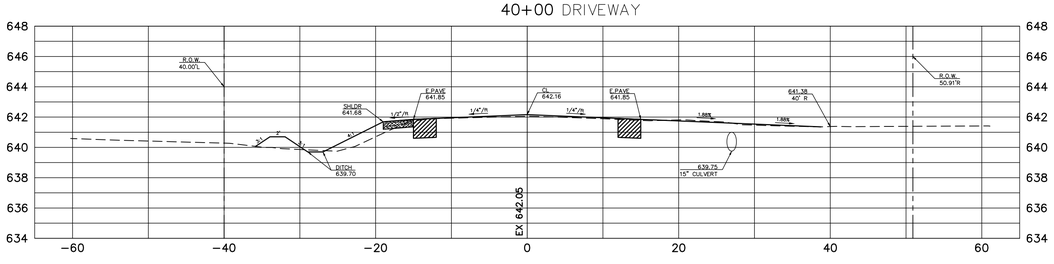
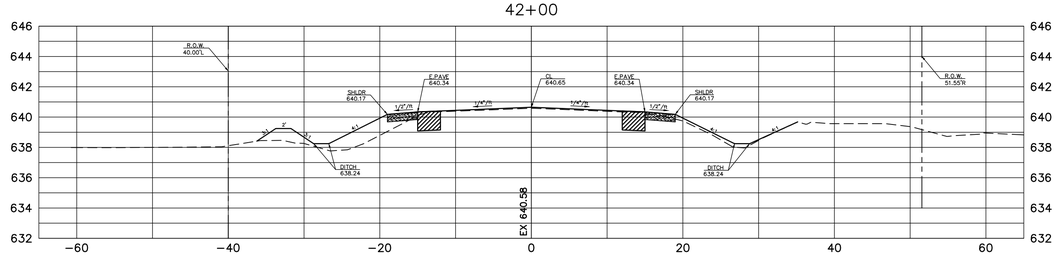
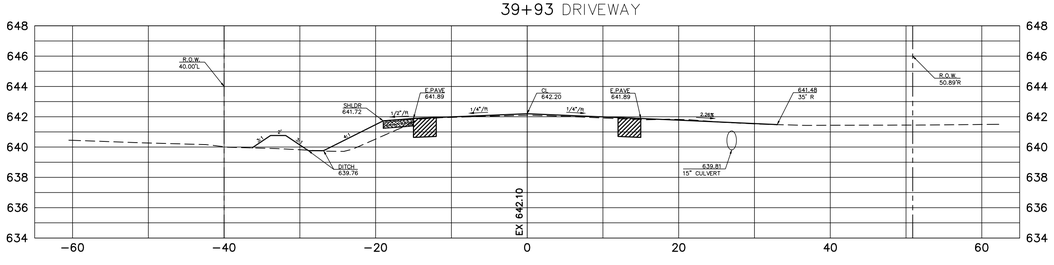
PLOT DATE = April 1, 2024 @ 4:00 PM By: John Whitehouse - Model Name: 45-XS
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

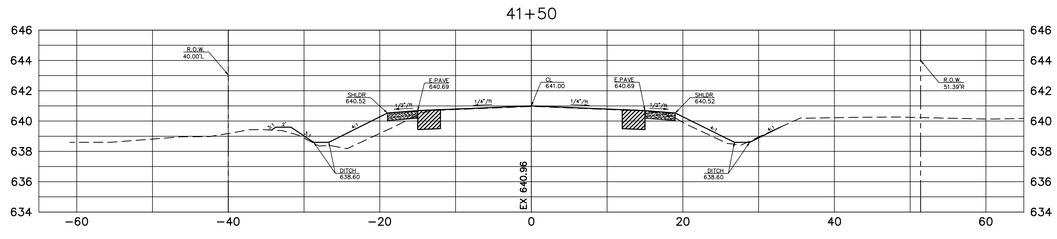


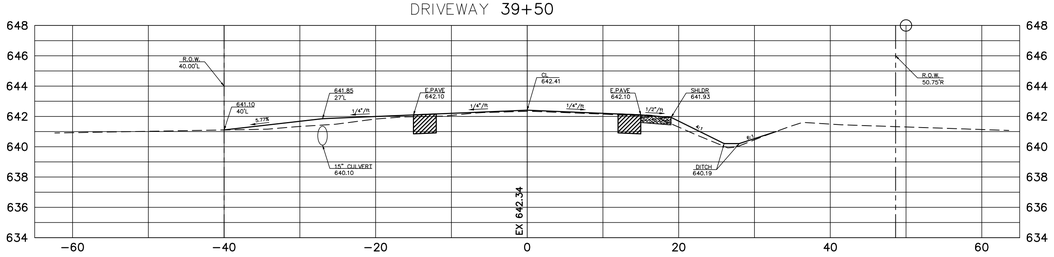


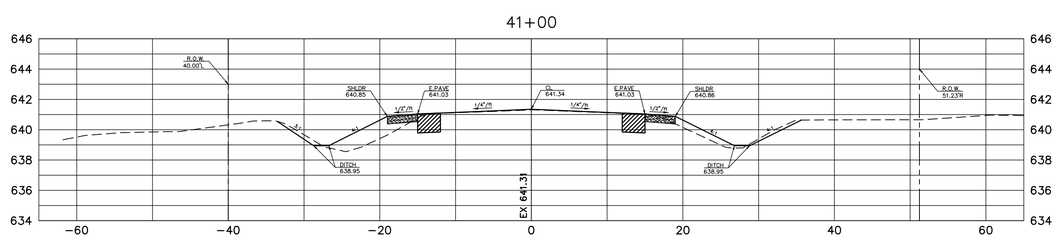












SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:01 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 39+50 | TO STA. 42+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	46
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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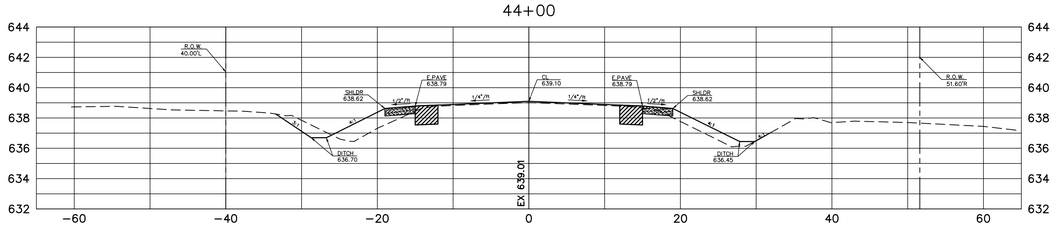
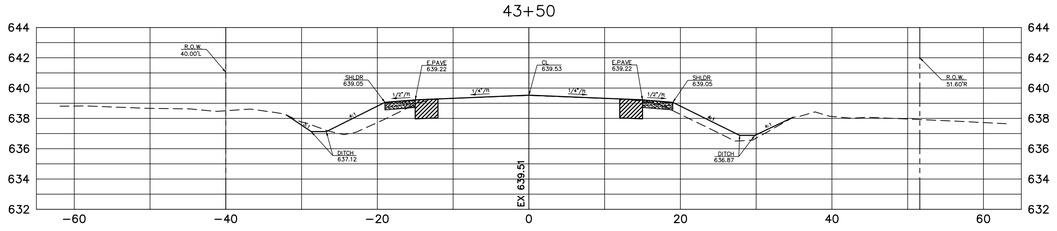
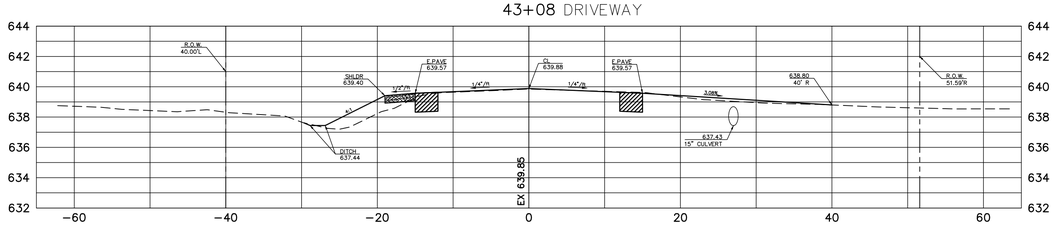
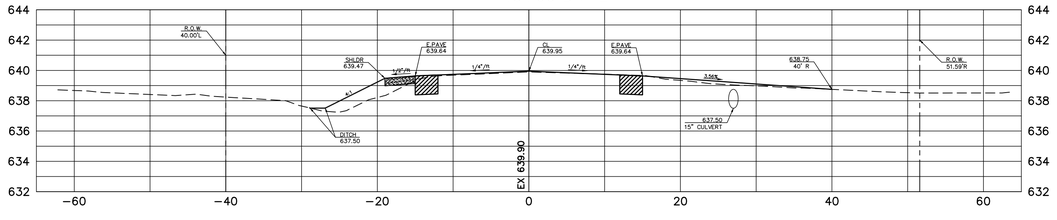
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION Plotted: April 1, 2024 @ 4:01 PM By: John Whitehouse - Model Name: 46-XS

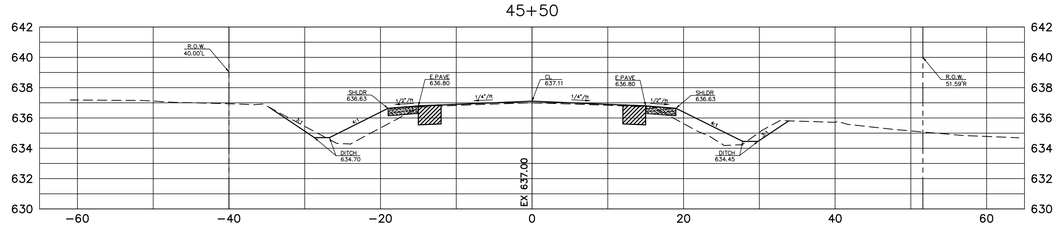
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

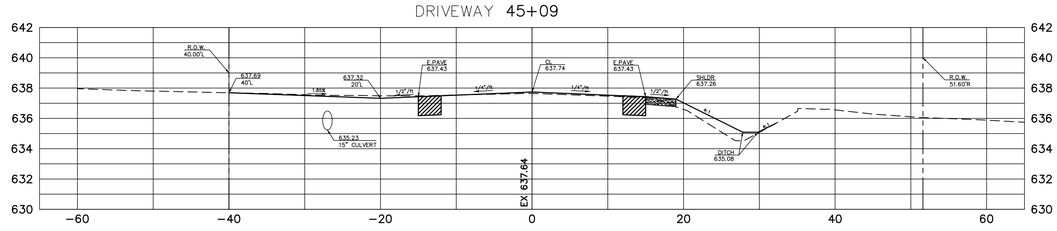


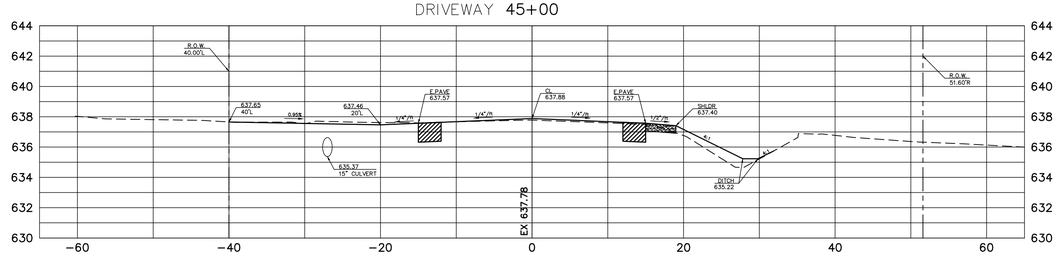


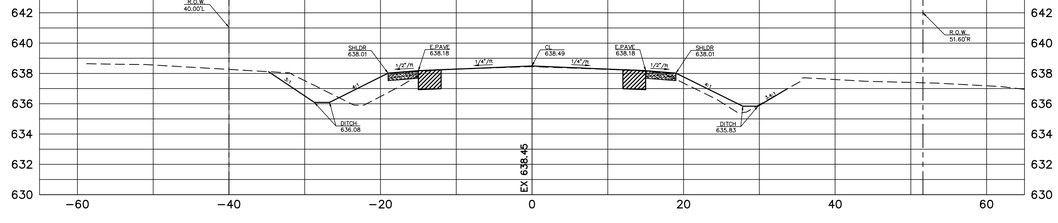












SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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USER NAME = John Whitehouse	DESIGNED -	REVISED -
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:01 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 43+00 TO STA. 45+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	47
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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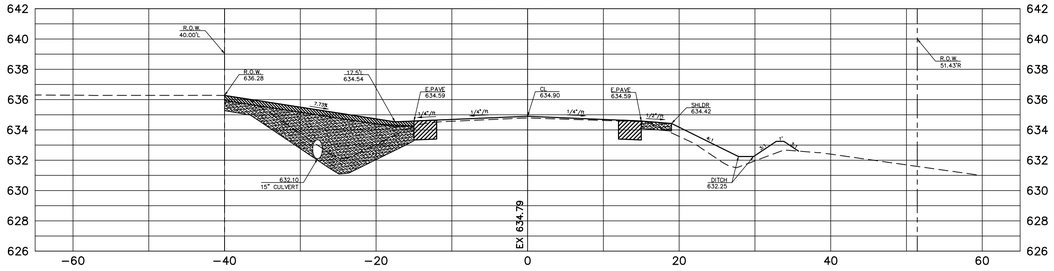
Plotted: April 1, 2024 @ 4:01 PM By: John Whitehouse – Model Name: 47-XS

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

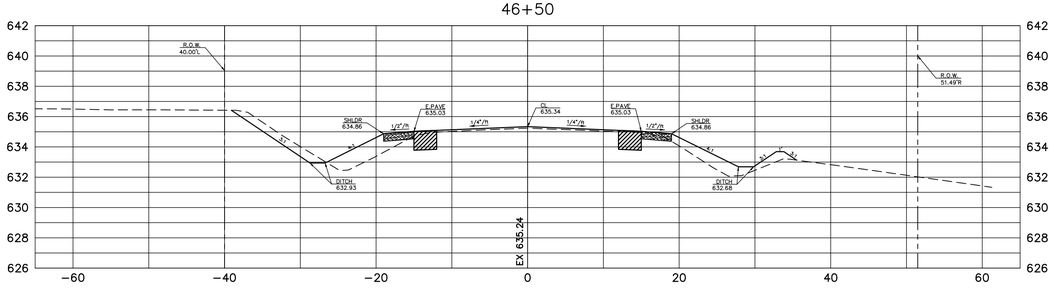
PLOT NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

FILE NAME = H:\SSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION Plotted: April 5, 2024 @ 2:09 PM By: John Whitehouse - Model Name: 48-XS

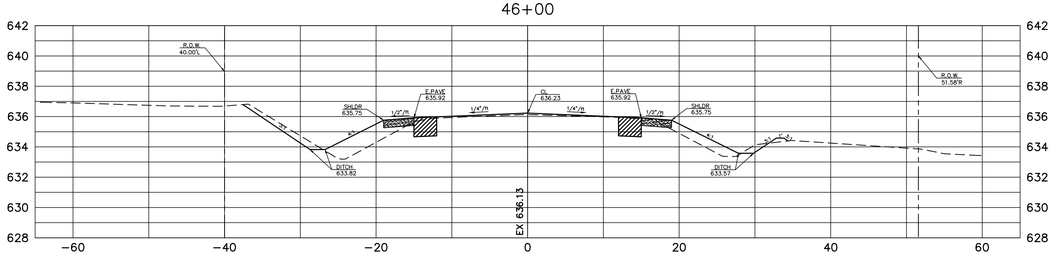
FIELD ENTRANCE 46+75



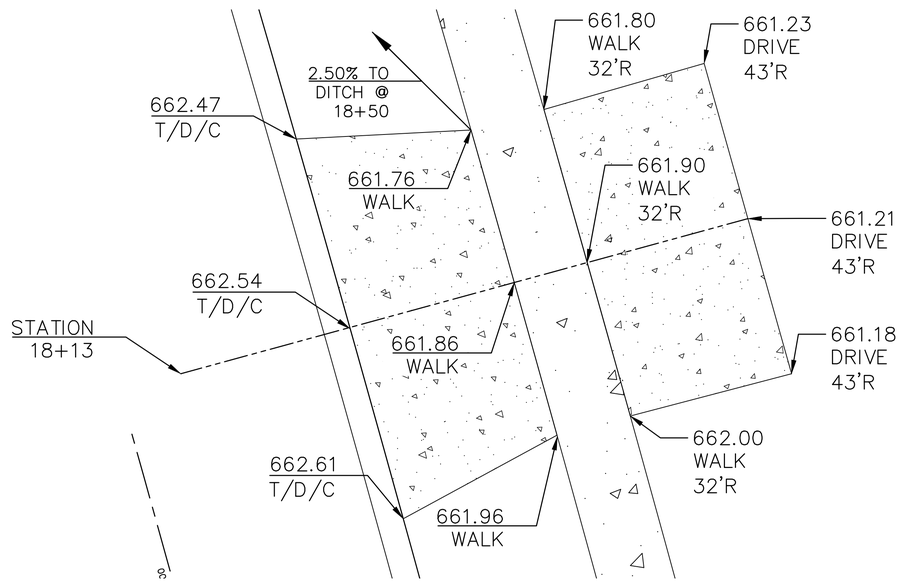
46+50



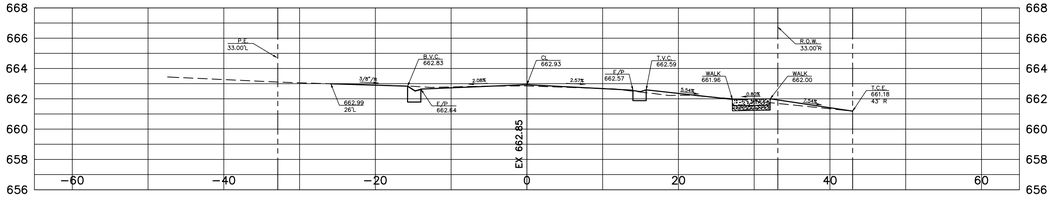
46+00



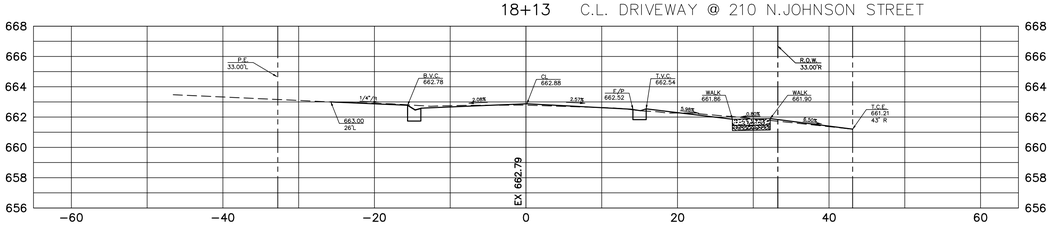
DRIVEWAY DETAIL FOR 210 N. JOHNSON STREET



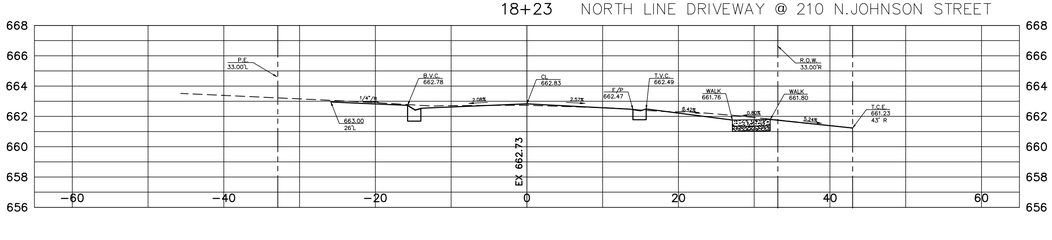
18+03 SOUTH LINE DRIVEWAY @ 210 N.JOHNSON STREET



18+13 C.L. DRIVEWAY @ 210 N.JOHNSON STREET



18+23 NORTH LINE DRIVEWAY @ 210 N.JOHNSON STREET



SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 2'

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PLOT DATE = April 5, 2024 @ 2:09 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 46+00 | TO STA. 46+75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	48
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

PATH: H:\SSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-XSECTION

ABV	ABOVE
AC	ACCESS CONTROL
AC	ACRE
ADJ	ADJUST
AS	AERIAL SURVEYS
AGG	AGGREGATE
AH	AHEAD
APT	APARTMENT
ASPH	ASPHALT
AUX	AUXILIARY
AGS	AUXILIARY GAS VALVE (SERVICE)
AVE	AVENUE
AX	AXIS OF ROTATION
BK	BACK
B-B	BACK TO BACK
BKPL	BACKPLATE
B	BARN
BARR	BARRICADE
BL	BASELINE
BGN	BEGIN
BM	BENCHMARK
BIND	BINDER
BIT	BITUMINOUS
BTM	BOTTOM
BLVD	BOULEVARD
BRK	BRICK
BBOX	BUFFALO BOX
BLDG	BUILDING
CATV	CABLE
CIP	CAST IRON PIPE
CB	CATCH BASIN
C-C	CENTER TO CENTER
CL	CENTERLINE OR CLEARANCE
CL-E	CENTERLINE TO EDGE
CL-F	CENTERLINE TO FACE
CTS	CENTERS
CERT	CERTIFIED
CHSLD	CHISELED
CS	CITY STREET
CP	CLAY PIPE
CLSD	CLOSED
CLID	CLOSED LID
CT	COAT OR COURT
COMB	COMBINATION
C	COMMERCIAL BUILDING
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CONST	CONSTRUCT
CONTD	CONTINUED
CONT	CONTINUOUS
COR	CORNER
CORR	CORRUGATED
CMP	CORRUGATED METAL PIPE
CNTY	COUNTY
CH	COUNTY HIGHWAY
CSE	COURSE
XSECT	CROSS SECTION
m^3	CUBIC METER
mm^3	CUBIC MILLIMETER
CU YD	CUBIC YARD
CULV	CULVERT
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DC	DEPRESSED CURVE
DET	DETECTOR
DIA	DIAMETER
DIST	DISTRICT
DOM	DOMESTIC
DBL	DOUBLE
DSEL	DOWNSTREAM ELEVATION
DSFL	DOWNSTREAM FLOWLINE
DR	DRAINAGE OR DRIVE
DI	DRAINAGE INLET OR DROP INLET
DRV	DRIVEWAY
DCT	DUCT
EA	EACH
EB	EASTBOUND
EOP	EDGE OF PAVEMENT
E-CL	EDGE TO CENTERLINE
E-E	EDGE TO EDGE
ELEC	ELECRICAL
EL	ELEVATION
ENTR	ENTRANCE
EXC	EXCAVATION
EX	EXISTING
EXPWAY	EXPRESSWAY
E	EXTERNAL DISTANCE OF HORIZONTAL CURVE
E	OFFSET DISTANCE TO VERTICAL CURVE
F-F	FACE TO FACE
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAUS	FEDERAL AID URBAN SECONDARY
FP	FENCE POST
OPT	FIBER OPTIC
FE	FIELD ENTRANCE
FH	FIRE HYDRANT
FL	FLOW LINE
FB	FOOT BRIDGE
FDN	FOUNDATION
FR	FRAME
F&G	FRAME & GRATE
FRWAY	FREEWAY
GAL	GALLON
GALV	GALVANIZED
G	GARAGE
GM	GAS METER
GV	GAS VALVE
GIS	GEOGRAPHICAL INFORMATION SYSTEM
GRAN	GRANULAR
GR	GRATE
GRVL	GRAVEL
GND	GROUND
GUT	GUTTER
GP	GUY POLE
GW	GUY WIRE
HH	HANDHOLE
HATCH	HATCHING
HD	HEAD
HDW	HEADWALL
HDUTY	HEAVY DUTY
ha	HECTARE
HMA	HOT MIX ASPHALT
HWY	HIGHWAY
HORIZ	HORIZONTAL
HSE	HOUSE
IL	ILLINOIS
IMP	IMPROVEMENT
IN DIA	INCH DIAMETER
INL	INLET
INST	INSTALLATION
IDS	INTERSECTION DESIGN STUDY
INV	INVERT
IP	IRON PIPE
IR	IRON ROD
JT	JOINT
kg	KILOGRAM
km	KILOMETER
LS	LANDSCAPING
LN	LANE
LT	LEFT
LIDAR	LIGHT DETECTION AND RANGING
LP	LIGHT POLE
LGT	LIGHTING
LF	LINEAL FEET OR LINEAR FEET
L	LITER OR CURVE LENGTH
LC	LONG CHORD
LNG	LONGITUDINAL
L SUM	LUMP SUM
MACH	MACHINE
MB	MAIL BOX
MH	MANHOLE
MATL	MATERIAL
MED	MEDIAN
m	METER
METH	METHOD
M	MID-ORDINATE
mm	MILLIMETER
mm DIA	MILLIMETER DIAMETER
MIX	MIXTURE
MBH	MOBILE HOME
MOD	MODIFIED
MFT	MOTOR FUEL TAX
N & BC	NAIL & BOTTLE CAP
N & C	NAIL & CAP
N & W	NAIL & WASHER
NC	NORMAL CROWN
NB	NORTHBOUND
NE	NORTHEAST
NW	NORTHWEST
O/S	OFFSET
O&C	OIL AND CHIP
OLID	OPEN LID
PAT	PATTERN
PVD	PAVED
PVMT	PAVEMENT
PM	PAVEMENT MARKING
PED	PEDESTAL
PNT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION OF HORIZONTAL CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
POT	POINT ON TANGENT
POLYETH	POLYETHYLENE
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE OR PRINCIPAL POINT
PRM	PRIME
PE	PRIVATE ENTRANCE
PROF	PROFILE
PGL	PROFILE GRADELINE
PROJ	PROJECT
P.C.	PROPERTY CORNER
PL	PROPERTY LINE
PR	PROPOSED
R	RADIUS or RESIDENTUAL
RR	RAILROAD
RRS	RAILROAD SPIKE
RPS	REFERENCE POINT STAKE
REF	REFLECTIVE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REINF	REINFORCEMENT
REM	REMOVAL
RC	REMOVE CROWN
REP	REPLACEMENT
REST	RESTAURANT
RESURF	RESURFACING
RET	RETAINING
RT	RIGHT
ROW	RIGHT-OF-WAY
RD	ROAD
RDWY	ROADWAY
RTE	ROUTE
SAN	SANITARY
SANS	SANITARY SEWER
SEC	SECTION
SEED	SEEDING
SHAP	SHAPING
S	SHED
SH	SHEET
SHLD	SHOULDER
SW	SIDEWALK OR SOUTHWEST
SIG	SIGNAL
SOD	SODDING
SM	SOLID MEDIAN
SB	SOUTHBOUND
SE	SOUTHEAST
SPL	SPECIAL
SD	SPECIAL DITCH
SQ FT	SQUARE FEET
m^2	SQUARE METER
mm^2	SQUARE MILLIMETER
SQ YD	SQUARE YARD
STB	STABILIZED
STD	STANDARD
SBI	STATE BOND ISSUE
SR	STATE ROUTE
STA	STATION
SPBGR	STEEL PLATE BEAM GUARDRAIL
SS	STORM SEWER
STY	STORY
ST	STREET
STR	STRUCTURE
e	SUPERELEVATION RATE
S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
SURF	SURFACE
SMK	SURVEY MARKER
T	TANGENT DISTANCE
T.R.	TANGENT RUNOUT DISTANCE
TEL	TELEPHONE
TB	TELEPHONE BOX
TP	TELEPHONE POLE
TEMP	TEMPORARY
TBM	TEMPORARY BENCH MARK
TD	TILE DRAIN
TBE	TO BE EXTENDED
TBR	TO BE REMOVED
TBS	TO BE SAVED
TWP	TOWNSHIP
TR	TOWNSHIP ROAD
TS	TRAFFIC SIGNAL
TSCB	TRAFFIC SIGNAL CONTROL BOX
TSC	TRAFFIC SYSTEMS CENTER
TRVS	TRANSVERSE
TRVL	TRAVEL
TRN	TURN
TY	TYPE
T-A	TYPE A
TYP	TYPICAL
UNDGND	UNDERGROUND
USGS	U.S. GEOLOGICAL SURVEY
USEL	UPSTREAM ELEVATION
USFL	UPSTREAM FLOWLINE
UTIL	UTILITY
VBOX	VALVE BOX
VV	VALVE VAULT
VLT	VAULT
VEH	VEHICLE
VP	VENT PIPE
VERT	VERTICAL
VC	VERTICAL CURVE
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
WM	WATER METER
WV	WATER VALVE
WMAIN	WATER MAIN
WB	WESTBOUND
WILDFL	WILDFLOWERS
W	WITH
WO	WITHOUT

Illinois Department of Transportation

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APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTB 1-1-19

DATE	REVISIONS
1-1-21	Updated fonts, abbreviations and symbols.
1-1-19	Added new symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 1 of 9)

STANDARD 000001-08

ADJUSTMENT ITEMS

	EX	PR
Structure To Be Adjusted		ADJ
Structure To Be Cleaned		C
Main Structure To Be Filled		FM
Structure To Be Filled		F
Structure To Be Filled Special		FSP
Structure To Be Removed		R
Structure To Be Reconstructed		REC
Structure To Be Reconstructed Special		RSP
Frame and Grate To Be Adjusted		A
Frame and Lid To Be Adjusted		(A)
Domestic Service Box To Be Adjusted		◇A
Valve Vault To Be Adjusted		(A)
Special Adjustment		SP
Item To Be Abandoned		AB
Item To Be Moved		M
Item To Be Relocated		REL
Pavement Removal and Replacement		

ALIGNMENT ITEMS

	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horizontal Curve Data (Half Size)	EX. CURVE P.I. STA= Δ= D= R= T= L= E= M= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= M= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS

	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Chiseled Square Found		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

DRAINAGE ITEMS

	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline		
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

HYDRAULICS ITEMS

	EX	PR
Overflow		
Sheet Flow		
Hydrant Outlet		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 2 of 9)

STANDARD 000001-08

EROSION & SEDIMENT CONTROL ITEMS

	EX	PR
Cleaning & Grading Limits		
Dike		
Erosion Control Fence		
Perimeter Erosion Barrier		
Temporary Fence		
Ditch Check Temporary		
Ditch Check Permanent		
Inlet & Pipe Protection		
Sediment Basin		
Erosion Control Blanket		
Fabric Formed Concrete Revetment Mat		
Turf Reinforcement Mat		
Mulch Temporary		
Mulch Method 1		
Mulch Method 2 Stabilized		
Mulch Method 3 Hydraulic		

CONTOUR ITEMS

	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		

NON-HIGHWAY IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Field Line		
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
ITS* Camera		
Wind Turbine		
Cellular Tower		

*Intelligent Transportation Systems

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Fence		
Fence Post		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

EXISTING LANDSCAPING ITEMS (contd.)

	EX	PR
Seeding Class 5		
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	

LIGHTING

	EX	PR
Duct		
Conduit		
Electrical Aerial Cable	A	A
Electrical Buried Cable	L	L
Controller		
Underpass Luminaire		
Power Pole		

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BDE/ISTB 1-1-19

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 3 of 9)

STANDARD 000001-08

LIGHTING (contd.)

	EX	PR
Pull Point		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole (Half Size)		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

PAVEMENT MARKINGS

	EX	PR
Handicap Symbol		
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Diag. Pattern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 4 of 9)

STANDARD 000001-08

Engineering Enterprises, Inc.
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52 Wheeler Road
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630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:09 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	49
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:09 PM By: John Whitehouse — Model Name: 49 IDOT Details 22x34

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Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS

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
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BDE 1436

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		

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BDE 1436

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		
Bit 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 = E =	VPI = ELEV= L = E =
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)		

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BDE 1436

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 7 of 9)
STANDARD 000001-08

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)		
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 R3-1100L (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		LG
Left Turn Yellow		LY
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		

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BDE 1436

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 8 of 9)
STANDARD 000001-08

Engineering Enterprises, Inc.
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52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:10 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.-- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	50
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox 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		

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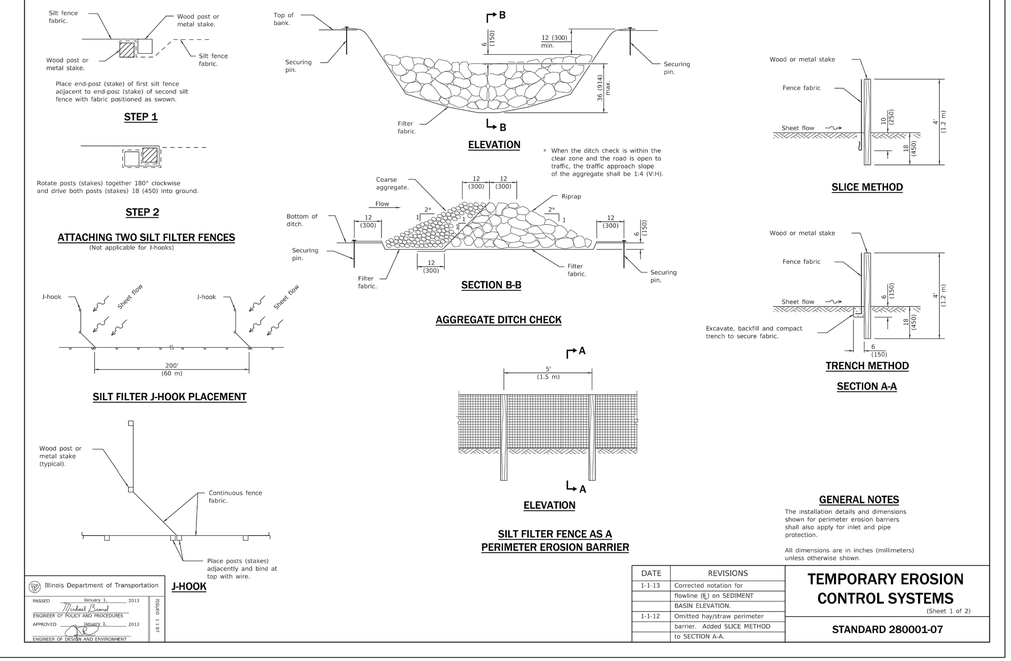
BDE/IDOT 1-1-07

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 9 of 9)

STANDARD 000001-08



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
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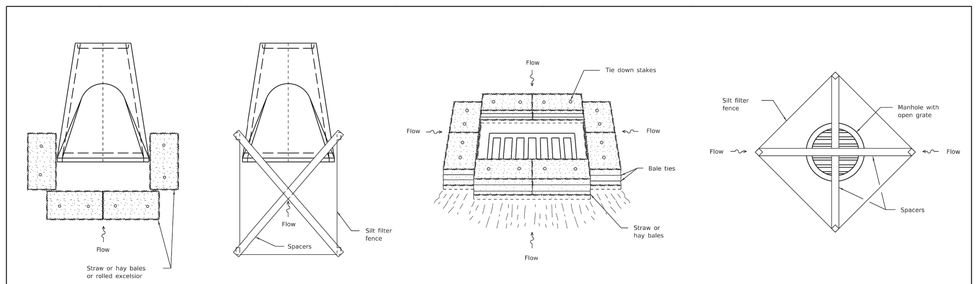
BDE/IDOT 1-1-07

DATE	REVISIONS
1-1-13	Corrected notation for flowline (℄) 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



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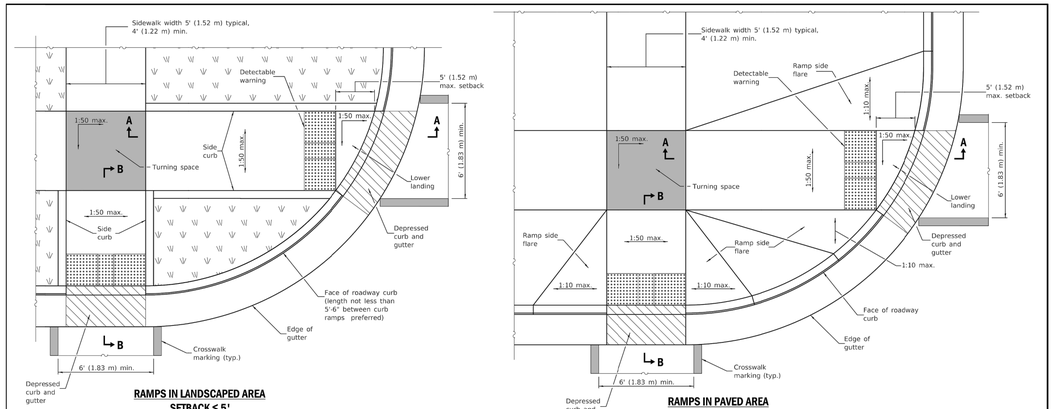
BDE/IDOT 1-1-07

TEMPORARY EROSION CONTROL SYSTEMS
(Sheet 2 of 2)

STANDARD 280001-07



See Sheet 2 for GENERAL NOTES.

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BDE/IDOT 1-1-07

DATE	REVISIONS
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at turning spaces and lower landings.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS
(Sheet 1 of 2)

STANDARD 424001-11

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52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:10 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	51
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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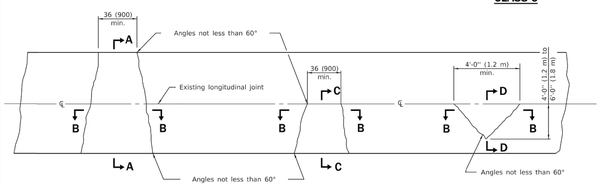
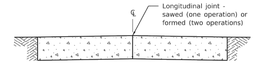
PATH: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS

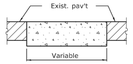
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:10 PM By: John Whitehouse — Model Name: 52 IDOT Details 22x34

CLASS C





SECTION A-A



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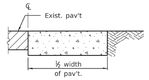

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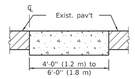
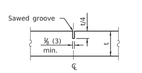


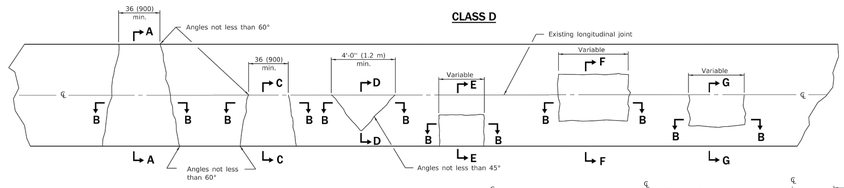
SECTION D-D

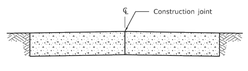


DETAIL OF SAWED CONTRACTION JOINT

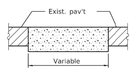
Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

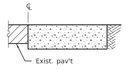




SECTION A-A
(Built in two operations)



SECTION B-B



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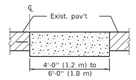
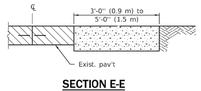


SECTION D-D



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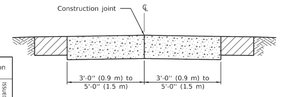
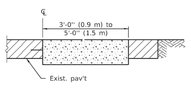


SECTION F-F
(Built in two operations)



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
STANDARD 442201-04

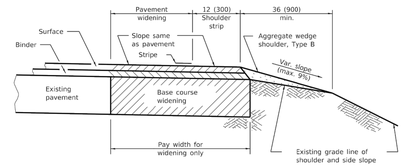
DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised Note for Class C patches.

CLASS C and D PATCHES

STANDARD 442201-03

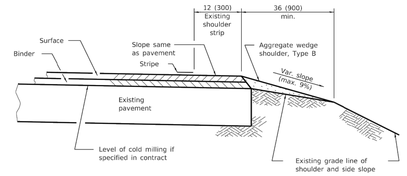
HMA SHOULDER STRIP AND AGGREGATE WEDGE WITH WIDENING

(Cross-section A)



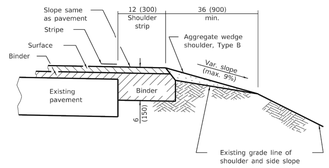
COLD MILLING AND/OR RESURFACING OF EXISTING PAVEMENT WITH SHOULDER STRIPS

(Cross-section C)



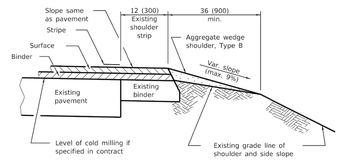
HMA SHOULDER STRIP AND AGGREGATE WEDGE WITH RESURFACING

(Cross-section B)



COLD MILLING AND/OR RESURFACING OF EXISTING PAVEMENT WITH SHOULDER STRIPS

(Cross-section D)



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
STANDARD 482011-04

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Switched to Hot-Mix Asphalt (HMA) terminology.

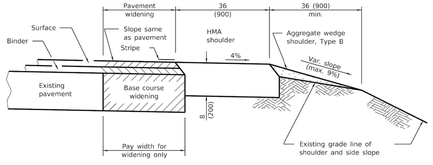
HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS

(Sheet 1 of 2)

STANDARD 482011-03

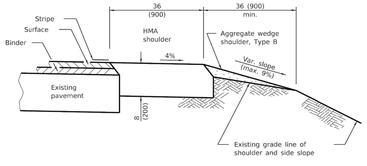
HMA SHOULDER AND AGGREGATE WEDGE WITH WIDENING

(Cross-section E)



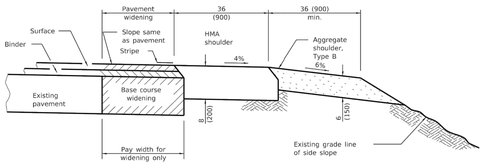
HMA SHOULDER AND AGGREGATE WEDGE WITH RESURFACING

(Cross-section G)



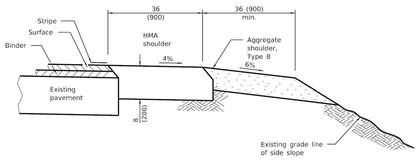
HMA AND AGGREGATE SHOULDERS WITH WIDENING

(Cross-section F)



HMA AND AGGREGATE SHOULDERS WITH RESURFACING

(Cross-section H)

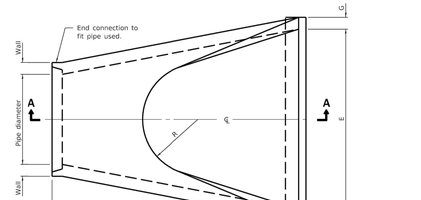


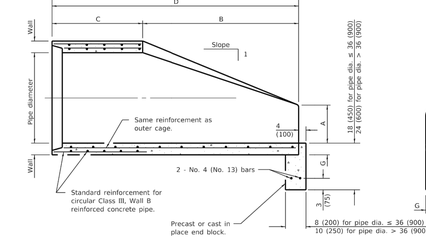
Illinois Department of Transportation
PASSED January 1, 2008 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2008 — ENGINEER OF DESIGN AND ENVIRONMENT
STANDARD 482011-04

HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS

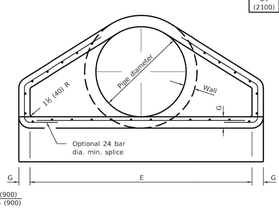
(Sheet 2 of 2)

STANDARD 482011-03





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'-0⅞" (1.241 m)	6'-0⅝" (1.851 m)	24 (610)	2 (51)	9 (229)	1:2.4
15 (375)	740 (335)	2¼ (57)	6 (152)	27 (686)	3'-10" (1.168 m)	6'-1" (1.854 m)	30 (762)	2¼ (57)	11 (280)	1:2.4
18 (450)	990 (450)	2½ (64)	9 (229)	27 (686)	3'-10" (1.168 m)	6'-1" (1.854 m)	36 (914)	2½ (64)	12 (305)	1:2.4
21 (525)	1280 (580)	2¾ (70)	9 (229)	35 (889)	38 (965)	6'-1" (1.854 m)	3'-6" (1.067 m)	2¾ (70)	13 (330)	1:2.4
24 (600)	1520 (690)	3 (76)	9½ (241)	3'-7½" (1.105 m)	30 (762)	6'-1½" (1.867 m)	4'-0" (1.219 m)	3 (76)	14 (356)	1:2.5
27 (675)	1930 (875)	3¼ (83)	10½ (267)	4'-0" (1.219 m)	25½ (648)	6'-1½" (1.867 m)	4'-6" (1.372 m)	3¼ (83)	14½ (368)	1:2.4
30 (750)	2190 (995)	3½ (89)	12 (305)	4'-6" (1.375 m)	19¾ (502)	6'-1¾" (1.874 m)	5'-0" (1.524 m)	3½ (89)	15 (381)	1:2.5
33 (825)	3200 (1450)	3¾ (95)	13½ (343)	4'-10½" (1.486 m)	39½ (997)	8'-1¾" (2.483 m)	5'-6" (1.676 m)	3¾ (95)	17½ (445)	1:2.5
36 (900)	4100 (1860)	4 (102)	15 (381)	5'-3" (1.6 m)	34⅞ (883)	8'-1¾" (2.483 m)	6'-0" (1.829 m)	4 (102)	20 (508)	1:2.5
42 (1050)	5380 (2440)	4½ (114)	21 (533)	5'-3" (1.6 m)	35 (889)	8'-2" (2.489 m)	6'-6" (1.981 m)	4½ (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)	5½ (140)	27 (686)	6'-5" (1.651 m)	35 (889)	8'-4" (2.54 m)	7'-6" (2.286 m)	5½ (140)	24 (610)	1:2.0
60 (1500)	8730 (3960)	6 (152)	35 (889)	5'-0" (1.524 m)	39 (991)	8'-3" (2.515 m)	8'-0" (2.438 m)	5 (127)	*	1:1.9
66 (1650)	10710 (4860)	6½ (165)	30 (762)	6'-0" (1.829 m)	27 (686)	8'-3" (2.515 m)	8'-6" (2.591 m)	5½ (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)	7½ (191)	36 (914)	7'-6" (2.286 m)	21 (533)	9'-3" (2.819 m)	9'-6" (2.896 m)	6½ (165)	*	1:1.8
84 (2100)	18160 (8240)	8 (203)	36 (914)	7'-6½" (2.299 m)	21 (533)	9'-3½" (2.832 m)	10'-0" (3.048 m)	6½ (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 BRIDGES AND STRUCTURES
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
STANDARD 542301-04

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

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:10 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	52
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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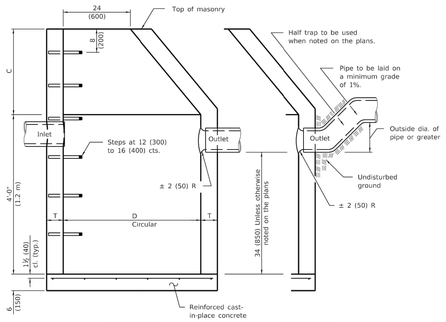
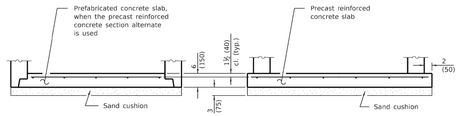
PATH: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS



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) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 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.

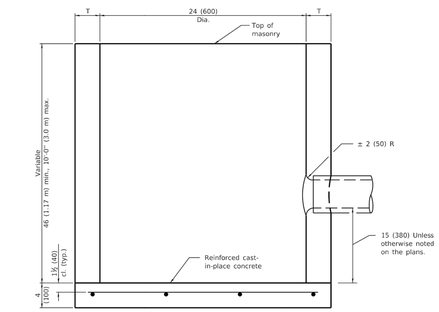
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-89

DATE	REVISIONS
1-1-11	Added 'Outside' to half trap
	note. Detail rein. in slabs.
	Revised general notes.
1-1-09	Switched units to
	English (metric).

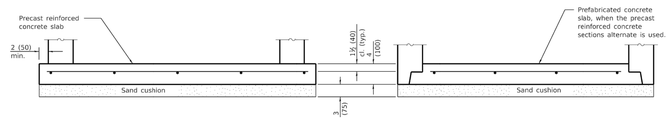
CATCH BASIN TYPE A

STANDARD 602001-02



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)

ELEVATION



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.

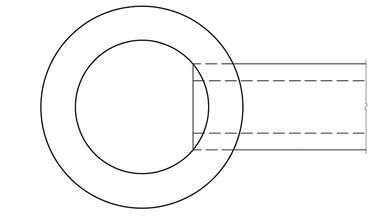
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2011 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-89

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).

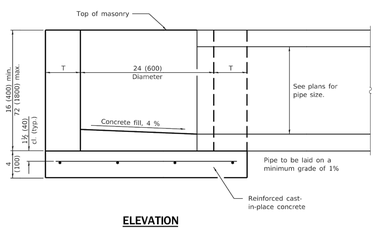
CATCH BASIN TYPE C

STANDARD 602011-02

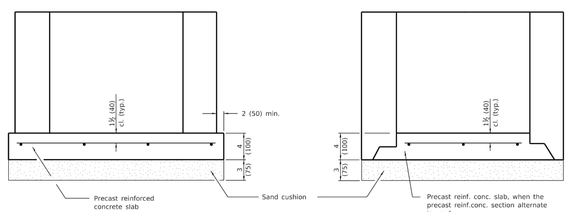


PLAN

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.

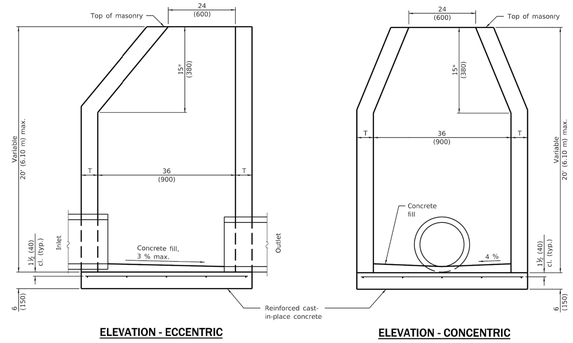
Illinois Department of Transportation
PASSED January 1, 2014 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-89

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

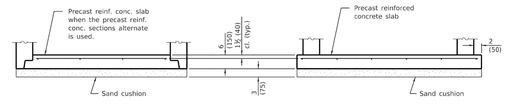
* For precast reinforced concrete sections, this dimension may vary from the dimension given to plus 6 (150).



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
BOARD 1-1-89

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

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:11 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	53
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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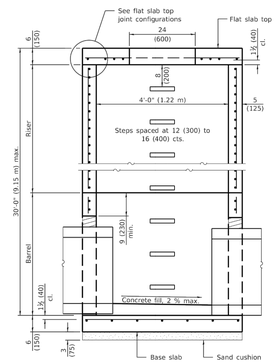
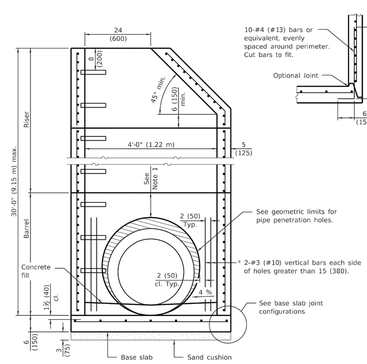
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:11 PM By: John Whitehouse — Model Name: 53 IDOT Details 22x34
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS

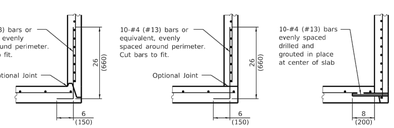


SECTION PARALLEL TO PIPE
(Without conical top riser)

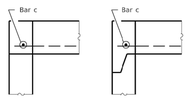


SECTION PERPENDICULAR TO PIPE
(With conical top riser)

* 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.



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 > 24 (600).

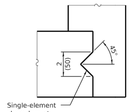
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

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)

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.

PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
(Sheet 1 of 2)

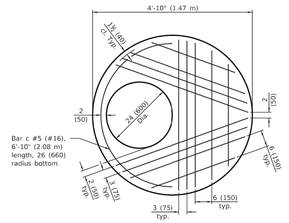
STANDARD 602401-07

Illinois Department of Transportation

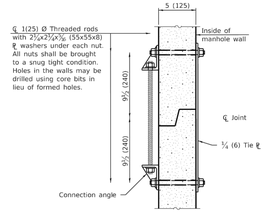
PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

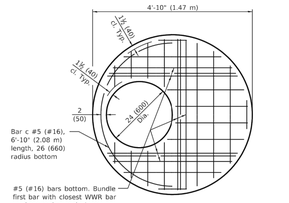
BDM/D1 1-1-19



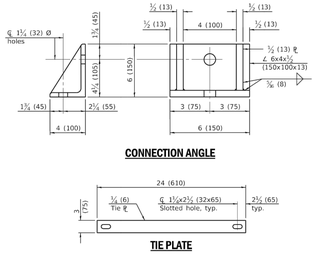
PLAN - FLAT SLAB TOP
(Showing layout of reinforcement bars and c bars)



JOINT SPLICE



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



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
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

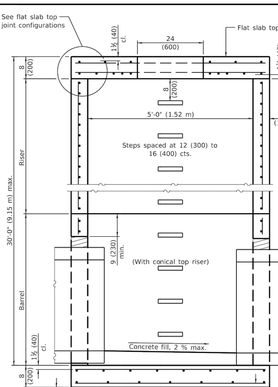
Location	Orientation	WWR or Rebar	
		A_s (min.)	Spacing (max.)
Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

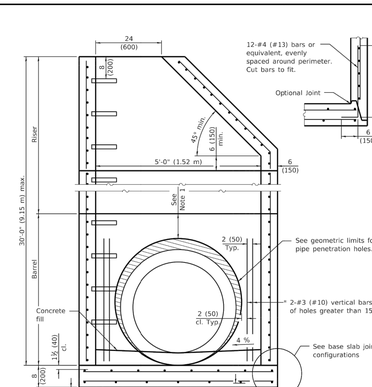
Location	Total Height	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)

PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
(Sheet 2 of 2)

STANDARD 602401-07

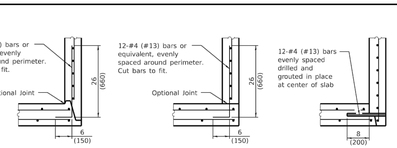


SECTION PARALLEL TO PIPE
(Without conical top riser)

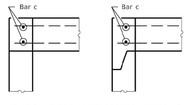


SECTION PERPENDICULAR TO PIPE
(With conical top riser)

* 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.



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).

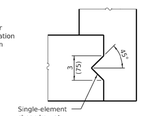
Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).

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.

PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
(Sheet 1 of 2)

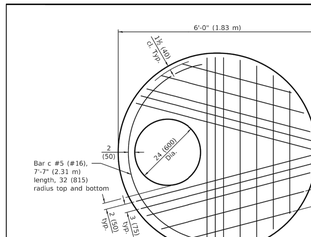
STANDARD 602402-03

Illinois Department of Transportation

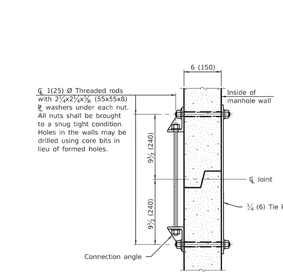
PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

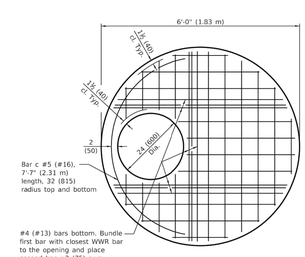
BDM/D1 1-1-19



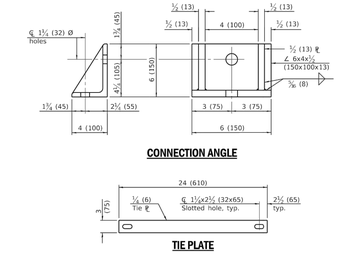
PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)



JOINT SPLICE



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



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)

PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
(Sheet 2 of 2)

STANDARD 602402-03

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
PLOTTED: April 1, 2024 @ 4:11 PM By: John Whitehouse — Model Name: 54 IDOT Details 22x34
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Plotted: April 1, 2024 @ 4:11 PM By: John Whitehouse — Model Name: 54 IDOT Details 22x34

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:11 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	54
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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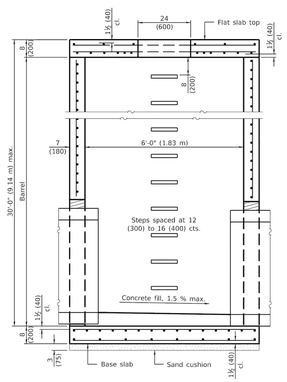
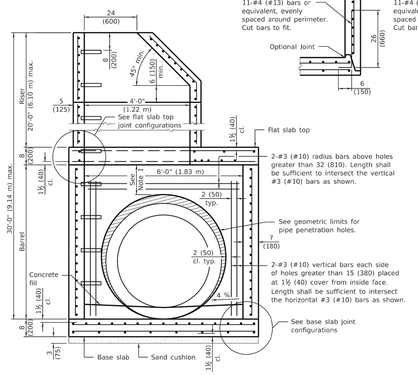
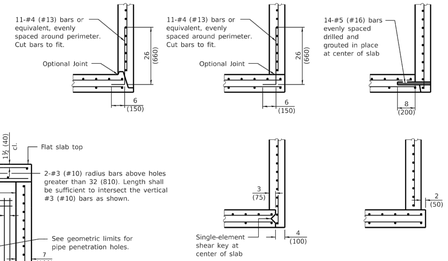


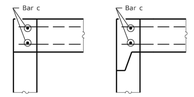
SECTION PARALLEL TO PIPE
(Without conical top riser)



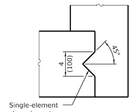
SECTION PERPENDICULAR TO PIPE
(With conical top riser)



BASE SLAB JOINT CONFIGURATIONS



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

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.

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.

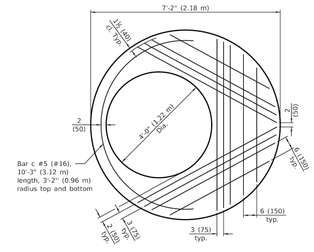
All dimensions are in inches (millimeters) unless otherwise noted.

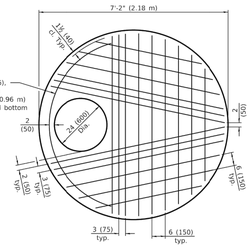
DATE	REVISIONS
1-1-21	Revised Note 1, Note 2 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTD 3-1-97

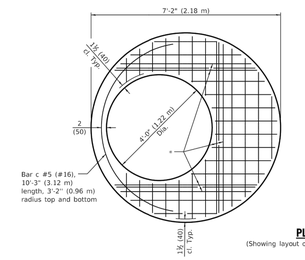
PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 1 of 3)

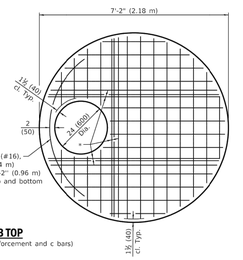
STANDARD 602406-11





PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)





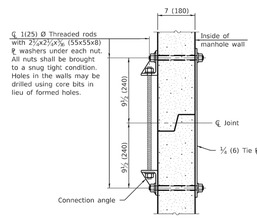
PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)

* #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.

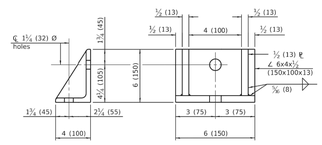
Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTD 3-1-97

PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 2 of 3)

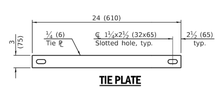
STANDARD 602406-11



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, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTD 3-1-97

PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 3 of 3)

STANDARD 602406-11

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:12 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A... RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	55
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS Plotted: April 1, 2024 @ 4:12 PM By: John Whitehouse — Model Name: 55 IDOT Details 22x34

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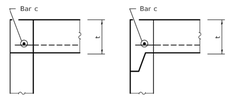
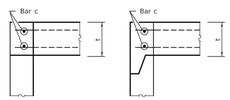


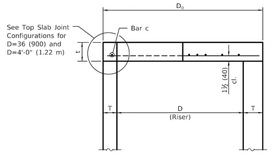
FLAT SLAB TOP JOINT CONFIGURATIONS FOR D = 36 (900) AND D = 4'-0" (1.22 m)

(Shown at access hole)

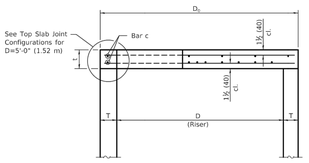


FLAT SLAB TOP JOINT CONFIGURATIONS D = 5'-0" (1.52 m)

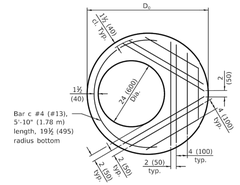
(Shown at access hole)



SECTION THRU FLAT SLAB TOP FOR D = 36 (900) AND D = 4'-0" (1.22 m)

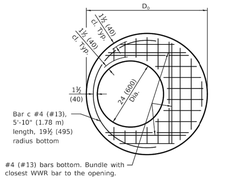


SECTION THRU FLAT SLAB TOP FOR D = 5'-0" (1.52 m)



PLAN - FLAT SLAB TOP FOR D = 36 (900)

(Showing layout of reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 36 (900)

(Showing layout of welded wire reinforcement and c bars)

TABLE

D	T	D_0 (min.)	t
36 (900)	See applicable Standards	D + 2T	6 (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.

Illinois Department of Transportation

PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT

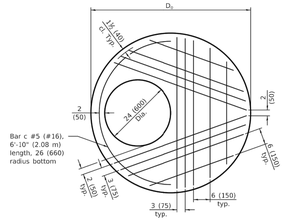
BDE/ISTHA

DATE	REVISIONS
1-1-19	Expanded / refined reinforcement options.
1-1-18	Revised for compliance with LRFD.

PRECAST REINFORCED CONCRETE FLAT SLAB TOP

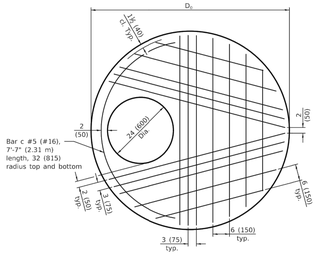
(Sheet 1 of 2)

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)

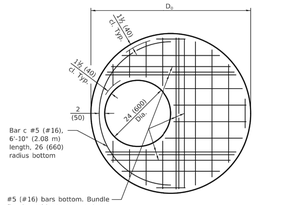
FLAT SLAB TOP REINFORCEMENT FOR D = 4'-0" (1.22 m)

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)

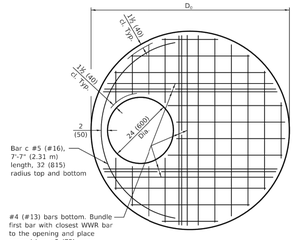
Location	WWR (each direction)		Rebar (each direction except as noted)		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	* 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See 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 DESIGN AND ENVIRONMENT

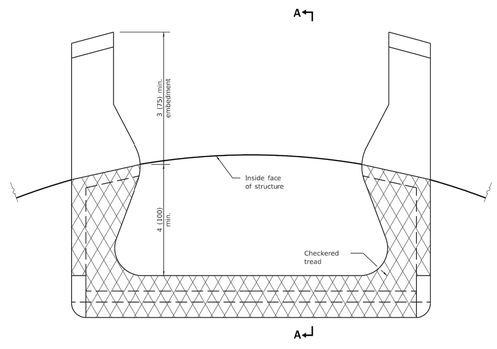
BDE/ISTHA

PRECAST REINFORCED CONCRETE FLAT SLAB TOP

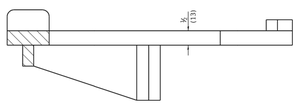
(Sheet 2 of 2)

STANDARD 602601-06

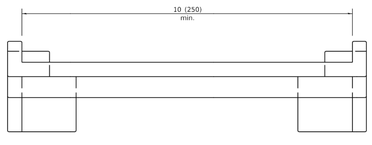
CAST IRON STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

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/ISTHA

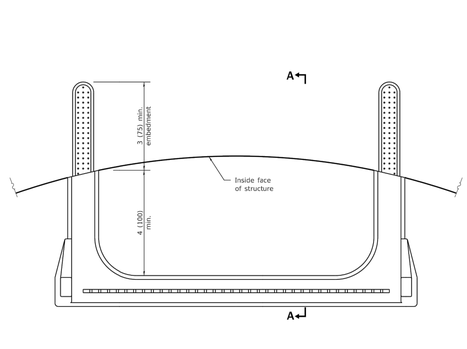
DATE	REVISIONS
1-1-09	Switched units to English (metric).
4-1-06	Revised title, drawings, and added plastic steps on sheet 2.

MANHOLE STEPS

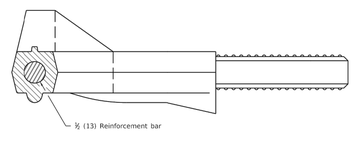
(Sheet 1 of 2)

STANDARD 602701-02

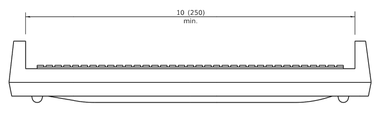
PLASTIC STEPS



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/ISTHA

MANHOLE STEPS

(Sheet 2 of 2)

STANDARD 602701-02

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:12 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	56
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:12 PM By: John Whitehouse — Model Name: 56 IDOT Details 22x34
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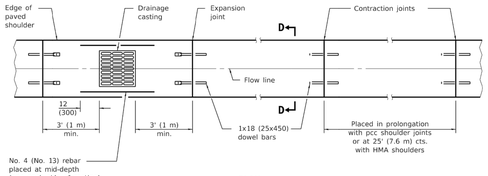
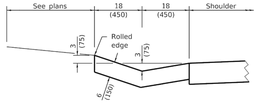
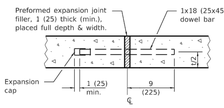


PLAN

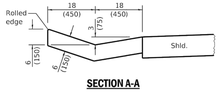


SECTION D-D

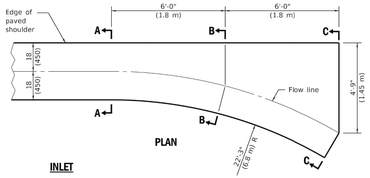


EXPANSION JOINT

TYPE A GUTTER

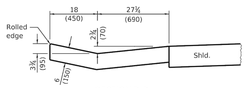


SECTION A-A



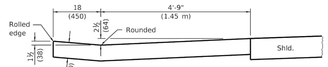
INLET

PLAN



SECTION B-B

QUANTITY OF CONCRETE
Section A-A to C-C
0.93 cu. yd. (0.71 m³)



SECTION C-C

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

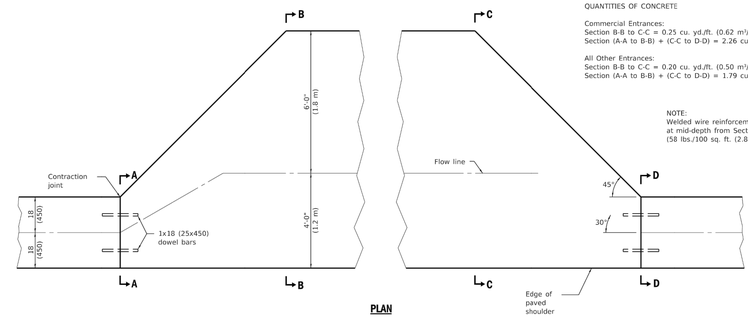
DATE	REVISIONS
4-1-16	Changed terminology to 'welded wire reinforcement'.
1-1-09	Switched units to English (metric). Changed radii, adjusted qty's.

TYPE A GUTTER (INLET, OUTLET & ENTRANCE)

(Sheet 1 of 3)

STANDARD 606101-05

Illinois Department of Transportation
PASSED April 1, 2016 — ENGINEER OF POLICY AND PROCEDURES
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2015



PLAN

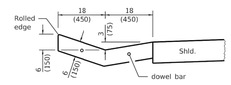
QUANTITIES OF CONCRETE

Commercial Entrances:
Section B-B to C-C = 0.25 cu. yd./ft. (0.62 m³/m).
Section (A-A to B-B) + (C-C to D-D) = 2.26 cu. yd. (1.73 m³).

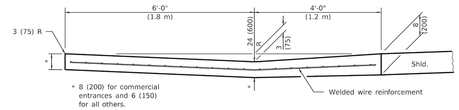
All Other Entrances:
Section B-B to C-C = 0.20 cu. yd./ft. (0.50 m³/m).
Section (A-A to B-B) + (C-C to D-D) = 1.79 cu. yd. (1.37 m³).

NOTE:
Welded wire reinforcement shall be installed at mid-depth from Section A-A to D-D.
(58 lbs./100 sq. ft. (2.83 kg/m²))

ENTRANCE



SECTIONS A-A & D-D



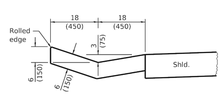
SECTIONS B-B & C-C

Illinois Department of Transportation
PASSED April 1, 2016 — ENGINEER OF POLICY AND PROCEDURES
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2015

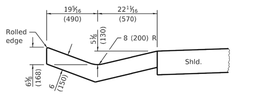
TYPE A GUTTER (INLET, OUTLET & ENTRANCE)

(Sheet 2 of 3)

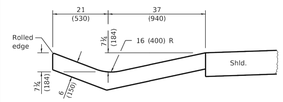
STANDARD 606101-05



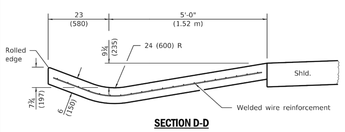
SECTION A-A



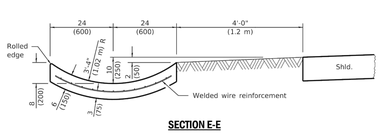
SECTION B-B



SECTION C-C



SECTION D-D



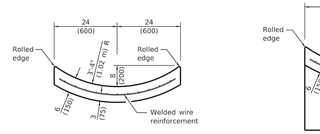
PLAN

OUTLET

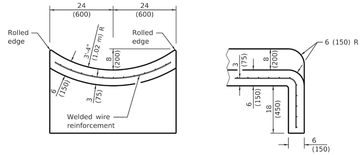
NOTE
If the average grade of pavement for the distance A-D exceeds 2%, this distance shall be increased 6' (1.8 m) for each 1% increase in grade.

QUANTITY OF CONCRETE

Section A-A to Section E-E + curtain wall = 3.53 cu. yd. (2.70 m³) of concrete.
Section F-F = 0.079 cu. yd./ft. (0.2 m³/m).



SECTION F-F



SECTIONS AT END OF OUTLET

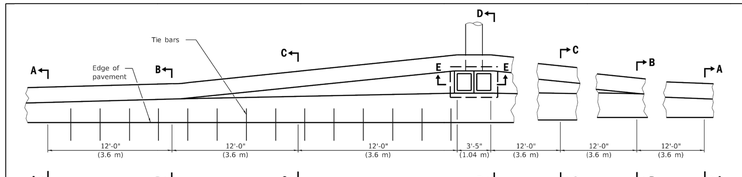
SECTION E-E

Illinois Department of Transportation
PASSED January 1, 2018 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2015

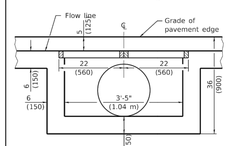
TYPE A GUTTER (INLET, OUTLET & ENTRANCE)

(Sheet 3 of 3)

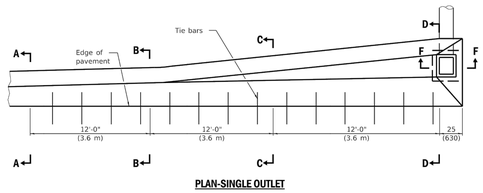
STANDARD 606101-05



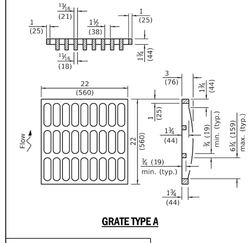
PLAN-DOUBLE OUTLET



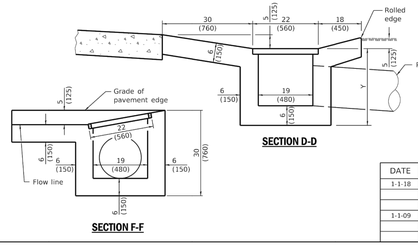
SECTION E-E



PLAN-SINGLE OUTLET



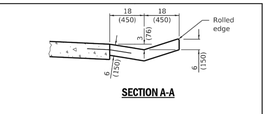
GRATE TYPE A



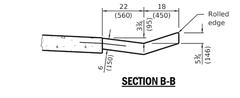
SECTION D-D

Single - Y = 25 (635)
Double - Y = 31 (775)

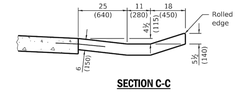
SECTION F-F



SECTION A-A



SECTION B-B



SECTION C-C

QUANTITIES

Material	Single	Double
Concrete - cu. yd. (m³)	3.3 (2.5)	6.5 (5)
Cast Iron Grate - Ea.	1	2
Pipe Drain - Dia. in. (mm)	15 (375)	18 (450)

GENERAL NOTES

The gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

Tie bars shall be No. 6 (No. 19) at 36 (900) centers unless otherwise shown.

If the average grade of pavement for the distance A-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.

DATE	REVISIONS
1-1-18	Revised General Notes for tie bar spacing of 36 (900) cts.
1-1-09	Switched units to English (metric).

OUTLET TYPE 1 FOR TYPE A GUTTER

STANDARD 606106-05

FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:13 PM By: John Whitehouse — Model Name: 57 IDOT Details 22x34
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:13 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	57
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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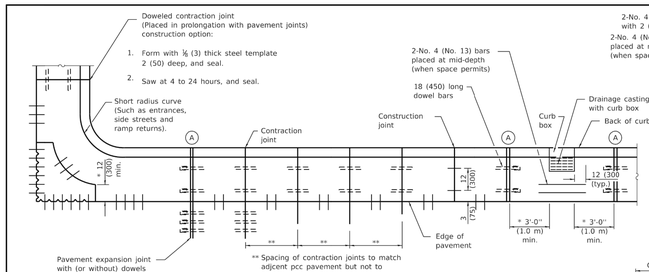
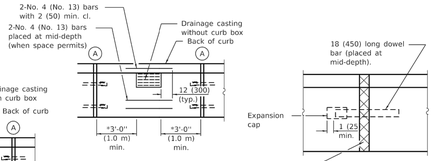
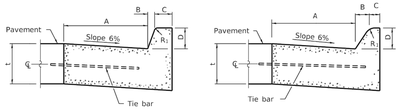


PLAN

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



DETAIL Ⓐ
EXPANSION JOINT



BARRIER CURB

MOUNTABLE CURB

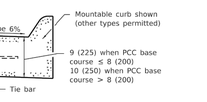
TABLE OF DIMENSIONS
BARRIER CURB

TYPE	A	B	C	D	R_1
B-6.06 ✱ (B-15.15)	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.12 (B-15.3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.18 (B-15.45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.24 (B-15.60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9.12 (B-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.18 (B-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.24 (B-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

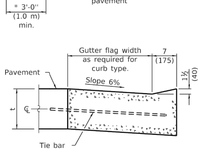
✱ For corner islands only.

TABLE OF DIMENSIONS
MOUNTABLE CURB

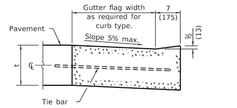
TYPE	A	B	C	D	R_1	R_2
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-2.12 (M-5.30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-4.06 (M-10.15)	6 (150)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.12 (M-10.30)	12 (300)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.18 (M-10.45)	18 (450)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-4.24 (M-10.60)	24 (600)	4 (100)	3 (75)	4 (100)	3 (75)	NA
M-6.06 (M-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.12 (M-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.18 (M-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	NA
M-6.24 (M-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	NA



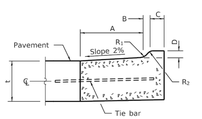
ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



DEPRESSED CURB (TYPICAL)



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



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.

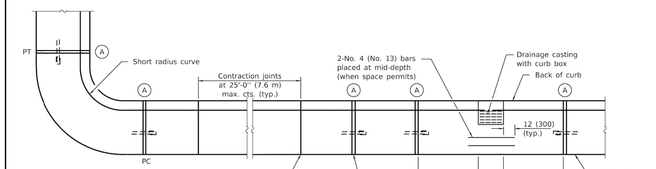
All dimensions are in inches (millimeters) unless otherwise shown.

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.

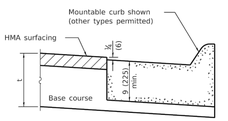
Illinois Department of Transportation
PASSED January 1, 2022 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD ITEM

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 1 of 2)

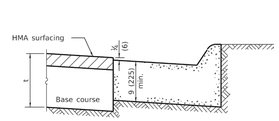
STANDARD 606001-08



PLAN

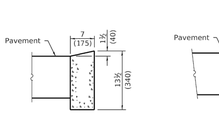


ON DISTURBED SUBGRADE



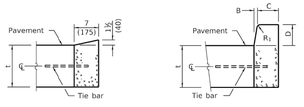
ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB **BARRIER CURB**

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB **BARRIER CURB**

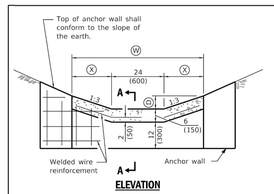
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

Illinois Department of Transportation
PASSED January 1, 2022 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD ITEM

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 2 of 2)

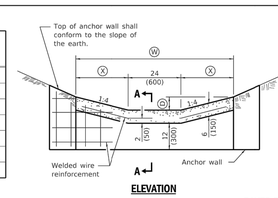
STANDARD 606001-08



ELEVATION

TABLE FOR PAVED DITCH TYPE A

TYPE	D	W	X	Flow Area sq. ft. (m²)	Conc. Area sq. yd. (m³)
A-15	6 (150)	5'-0" (1.5 m)	18 (450)	1.75 (0.175)	0.278 (0.225)
A-22	9 (225)	6'-6" (1.95 m)	27 (675)	3.19 (0.287)	0.361 (0.293)
A-30	12 (300)	8'-0" (2.4 m)	36 (900)	5.00 (0.450)	0.444 (0.360)
A-37	15 (375)	9'-6" (2.85 m)	3'-9" (1.12 m)	7.19 (0.645)	0.528 (0.426)
A-45	18 (450)	11'-0" (3.3 m)	4'-6" (1.35 m)	9.75 (0.877)	0.611 (0.495)
A-52	21 (525)	12'-6" (3.75 m)	5'-3" (1.58 m)	12.69 (1.141)	0.694 (0.564)
A-60	24 (600)	14'-0" (4.2 m)	6'-0" (1.8 m)	16.00 (1.440)	0.778 (0.630)

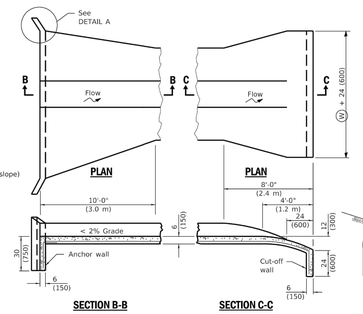


ELEVATION

TABLE FOR PAVED DITCH TYPE B

TYPE	D	W	X	Flow Area sq. ft. (m²)	Conc. Area sq. yd. (m³)
B-15	6 (150)	6'-0" (1.8 m)	24 (600)	2.00 (0.180)	0.333 (0.270)
B-22	9 (225)	8'-0" (2.4 m)	36 (900)	3.75 (0.337)	0.444 (0.360)
B-30	12 (300)	10'-0" (3.0 m)	4'-0" (1.2 m)	6.00 (0.540)	0.555 (0.450)
B-37	15 (375)	12'-0" (3.6 m)	5'-0" (1.5 m)	8.75 (0.787)	0.667 (0.540)
B-45	18 (450)	14'-0" (4.2 m)	6'-0" (1.8 m)	12.00 (1.080)	0.778 (0.630)
B-52	21 (525)	16'-0" (4.8 m)	7'-0" (2.1 m)	15.75 (1.417)	0.889 (0.720)
B-60	24 (600)	18'-0" (5.4 m)	8'-0" (2.4 m)	20.00 (1.800)	1.000 (0.810)

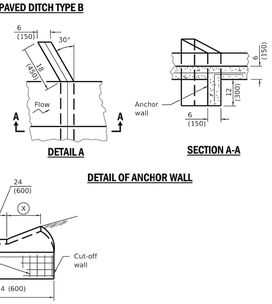
PAVED DITCH TYPE A



ELEVATION **SECTION B-B** **SECTION C-C** **ELEVATION**

DETAIL OF UPSTREAM END **DETAIL OF DOWNSTREAM END**

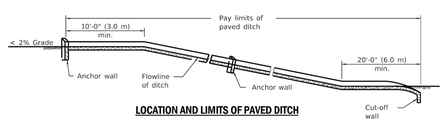
PAVED DITCH TYPE B



GENERAL NOTES

All slopes are expressed as of vertical displacement to units of horizontal displacement (V:H).

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



LOCATION AND LIMITS OF PAVED DITCH

DATE	REVISIONS
4-1-16	Changed terminology to
	'welded wire reinforcement'.
1-1-09	Switched units to
	English (metric).

Illinois Department of Transportation
PASSED April 1, 2016 — ENGINEER OF POLICY AND PROCEDURES
APPROVED April 1, 2016 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD ITEM

PAVED DITCH

STANDARD 606401-02

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = April 1, 2024 @ 4:13 PM	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.-- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	58
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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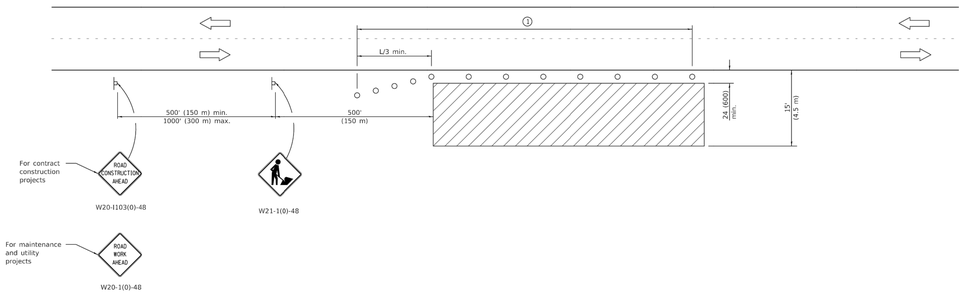
Plotted: April 1, 2024 @ 4:13 PM By: John Whitehouse — Model Name: 58 IDOT Details 22x34
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS



TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

SYMBOLS

Work area

Sign

Cone, drum or barricade

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.

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).

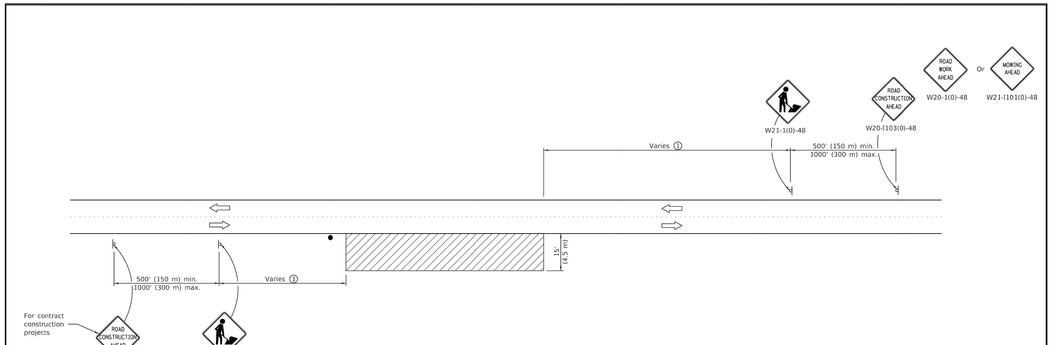
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 2, 2014 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 3, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

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

Shoulder work
Utility operations

SYMBOLS

Work area

Sign

Flagger with traffic control sign when required

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed ½ the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

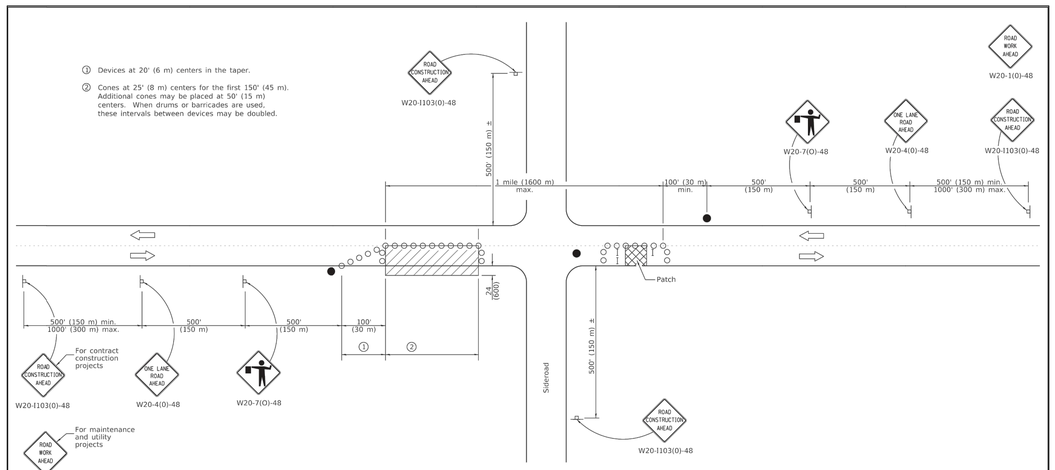
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 2, 2014 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 3, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY

STANDARD 701011-04



TYPICAL APPLICATIONS

Isolated patching
Utility operations
Storm sewer
Culverts
Cable placement

SYMBOLS

Work area

Sign

Barricade or drum

Cone, drum or barricade

Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, any vehicles, equipment, workers or their activities will encroach in the area between the center line and a line 24 (600) outside the edge of pavement for daylight operation.

When the distance between successive work areas exceeds 2000' (600 m), additional warning signs, flaggers, and taper shall be placed as shown.

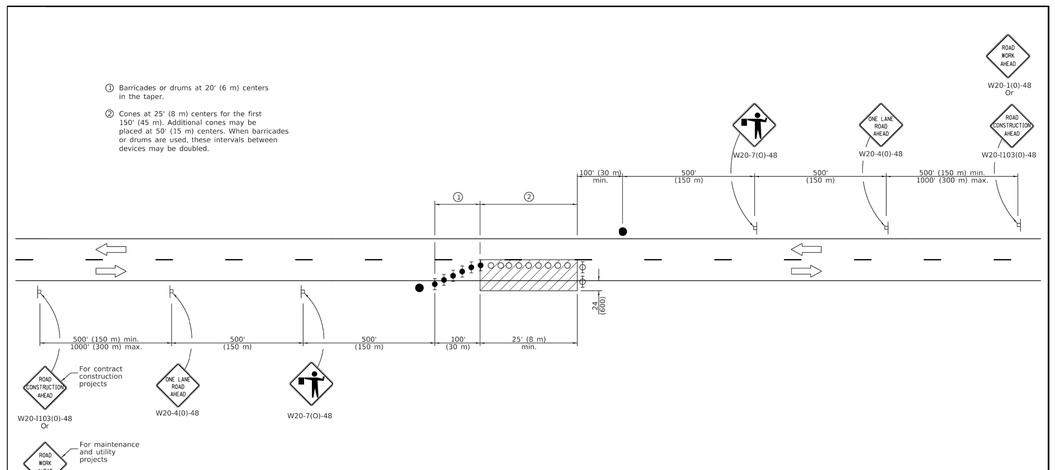
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 3, 2019 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 3, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

DATE	REVISIONS
1-1-19	Revised device spacing in taper.
1-1-11	Revised flagger sign.

LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH

STANDARD 701201-05



TYPICAL APPLICATIONS

Isolated patch
Installation of drainage structure
Utility operations

SYMBOLS

Work area

Sign

Flagger with traffic control sign

Cone, drum or barricade

Barricade or drum with flashing light

Barricade or drum with steady burning light

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach in the area between the center line and a line 24 (600) from the edge of pavement for nighttime operation.

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

Illinois Department of Transportation
APPROVED January 3, 2019 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 3, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

DATE	REVISIONS
1-1-19	Revised device spacing in taper
	and added cones as an option.
1-1-18	Omitted steady burning
	lights in tangent.

LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH

STANDARD 701206-05

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:13 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	59
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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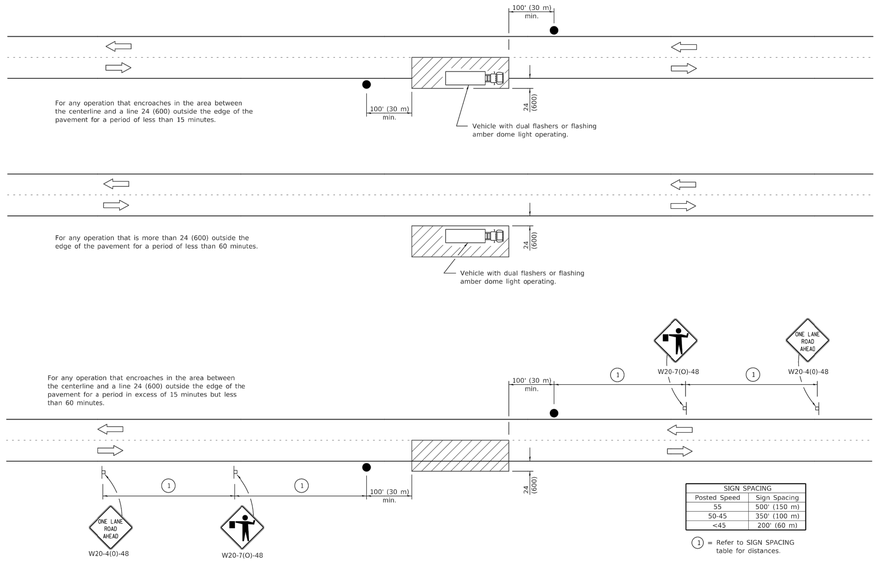
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:13 PM By: John Whitehouse — Model Name: 59 IDOT Details 22x34
Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS



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

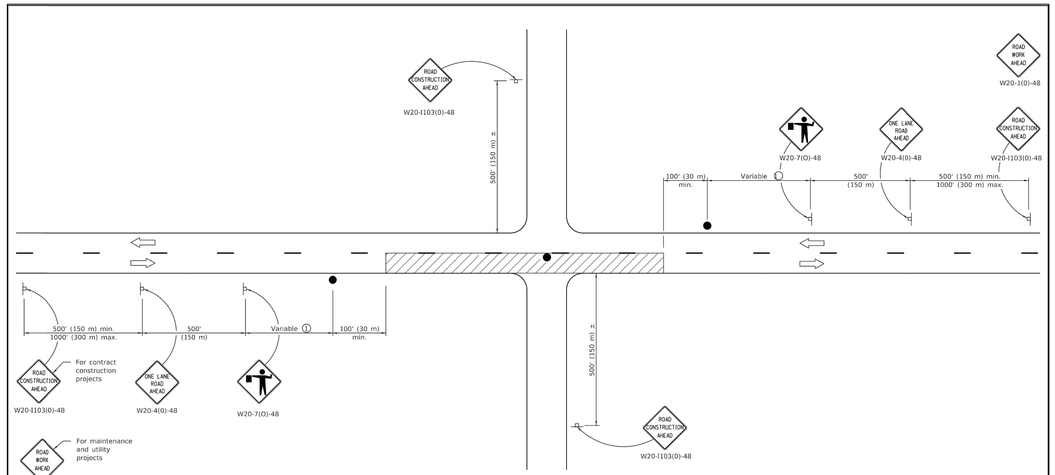
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

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



TYPICAL APPLICATIONS

Bituminous resurfacing
Milling operations
Utility operations
Shoulder operations

1 Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed ½ the length required for one normal working day's operation or 2 miles (3200 m), whichever is less.

SYMBOLS

Work area
Sign on portable or permanent support
Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the pavement where the average speed of movement is greater than ½ mph (1 km/h) and less than 4 mph (6 km/h).

When the operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

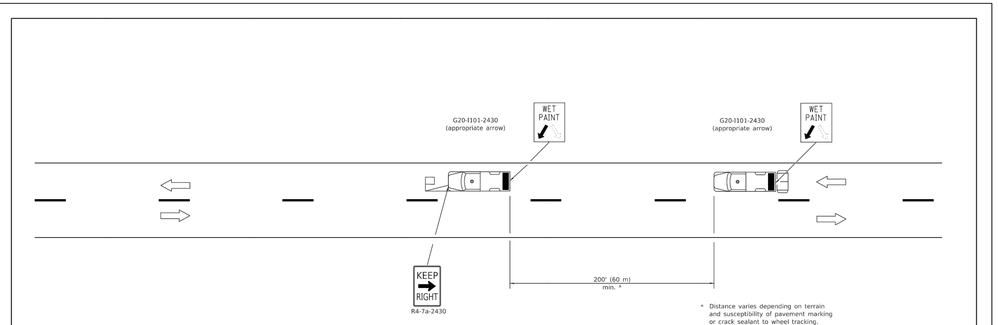
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2018 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2018 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

DATE	REVISIONS
1-1-18	Revised lower speed limit
	for operation to ½ mph.
1-1-11	Revised flagger sign.

LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH

STANDARD 701306-04



* Distance varies depending on terrain and susceptibility of pavement marking or crack sealant to wheel tracking.

TYPICAL APPLICATIONS

Landscaping work
Utility work
Pavement marking
Weed spraying
Roadometer measurements
Debris cleanup
Crack pouring

SYMBOLS

Arrow board (Hazard Mode only)
Truck with headlights, emergency flashers and flashing amber light, (visible from all directions)
18x18 (450x450) min. orange flag (use when guice wheel is used)
Truck mounted attenuator

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.

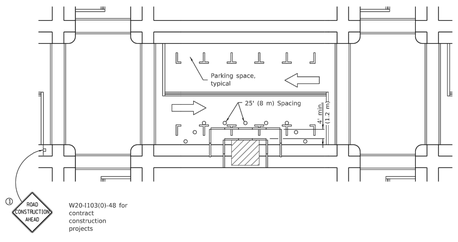
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF OPERATIONS
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 1139

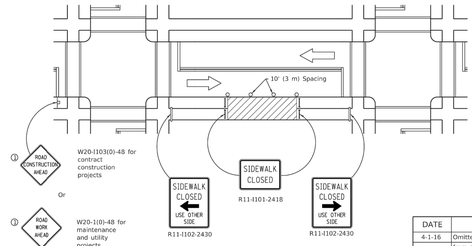
DATE	REVISIONS
1-1-09	Switched units to
	English (metric). Omitted
	Pass With Care sign.
1-1-00	Elim. speed restrictions
	in Standard title.

LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY

STANDARD 701311-03



SIDEWALK DIVERSION



SIDEWALK CLOSURE

1 Omit whenever duplicated by road work traffic control.

SYMBOLS

Work area
Sign on portable or permanent support
Barricade or drum
Cone, drum or barricade
Type III barricade
Detectable pedestrian channelizing barricade

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

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 1139

DATE	REVISIONS
4-1-16	Omitted orange safety fence
	from standard as this is
	covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of
	plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:14 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	60
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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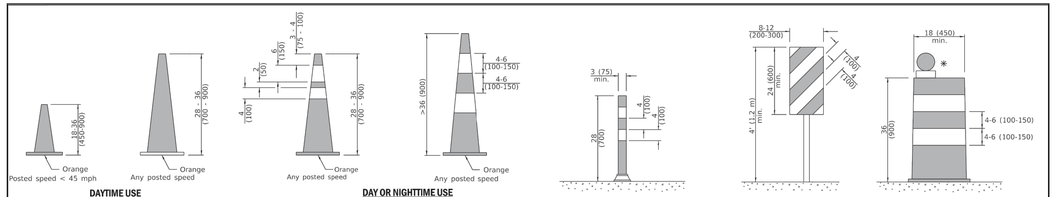
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:14 PM By: John Whitehouse — Model Name: 60 IDOT Details 22x34
PBH:H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS



GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

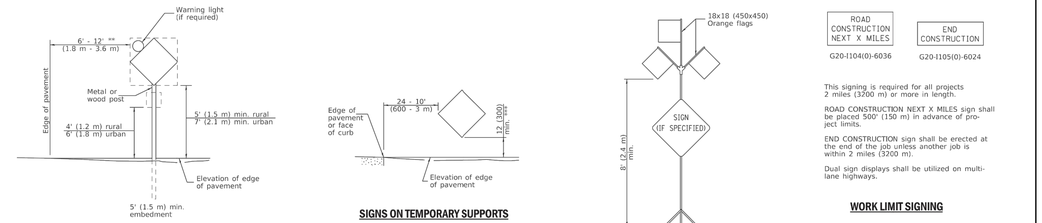
DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

Illinois Department of Transportation
APPROVED January 1, 2019 — ENGINEER OF SAFETY, PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDDXD 1132

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-08



POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.

SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.

HIGH LEVEL WARNING DEVICE

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

Sign assembly as shown on Standards or as allowed by District Operations.

This sign shall be used when the above sign assembly is used.

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the jurisdiction of the State.

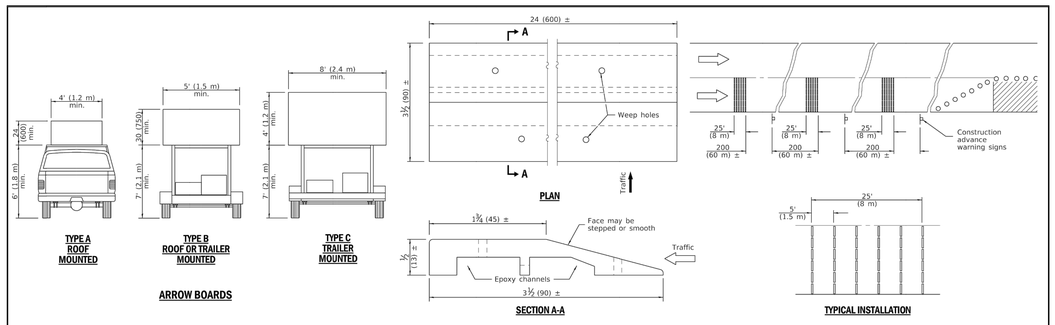
FLAGGER TRAFFIC CONTROL SIGN

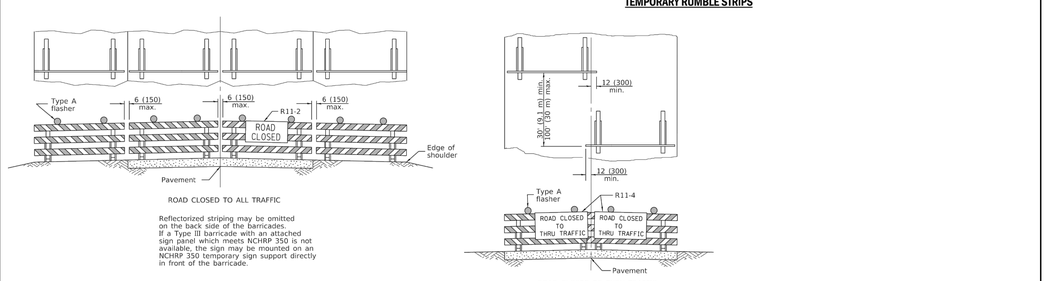
Illinois Department of Transportation
APPROVED January 1, 2019 — ENGINEER OF SAFETY, PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDDXD 1132

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-08





TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation
APPROVED January 1, 2019 — ENGINEER OF SAFETY, PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDDXD 1132

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = John Whitehouse	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = April 1, 2024 @ 4:14 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	61
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS
Plotted: April 1, 2024 @ 4:14 PM By: John Whitehouse — Model Name: 61 IDOT Details 22x34
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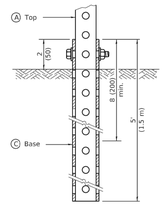
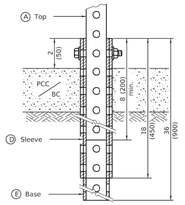
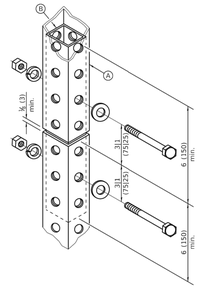


GROUND MOUNT DETAIL



PAVEMENT MOUNT DETAIL



SPLICE DETAIL

A	2 x 2 x var. (51 x 51 var.)
B	1¾ x 1¾ x 12 (44 x 44 x 300)
C	2¼ x 2¼ x 60 (57 x 57 x 1500)
D	2½ x 2½ x 18 (64 x 64 x 450)
E	2¼ x 2¼ x 36) (57 x 57 x 900)

GENERAL NOTES

All bolts ⅜ (M10) hex head zinc or cadmium plated.

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

Illinois Department of Transportation

PASSED January 1, 2009 — ENGINEER OF OPERATIONS

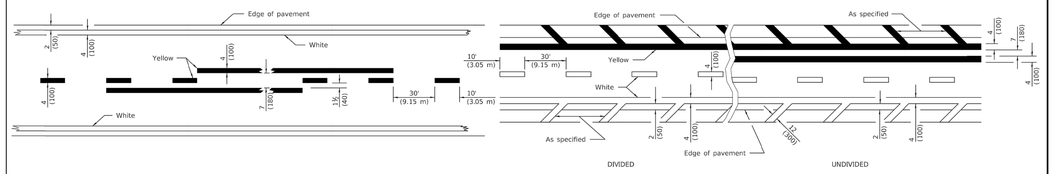
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTP

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	New Standard. Used to be part of Standard 720006.

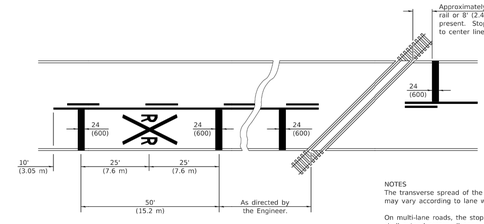
TELESCOPING STEEL SIGN SUPPORT

STANDARD 728001-01



2 LANE **MULTI LANE**

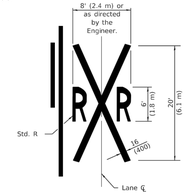
LANE AND EDGE LINES



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

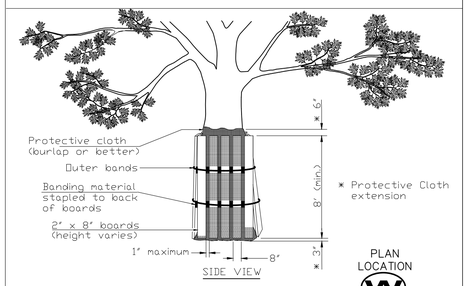
BDE/ISTP

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

TREE TRUNK PROTECTION



Notes

1. The contractor shall provide 2" x 8" boards banded continuously around each trunk with a protective cloth (such as burlap or better) placed between the boards and the tree to prevent scarring of the tree being protected. The height of the boards is variable due to height of tree being protected. Trees to be protected shall be shown in the plans or designated by the Professional Forester or Certified Arborist.
2. The protective cloth shall extend past both the top and bottom of the boards as shown in the detail. Width of wrap material varies. For fabric that does not meet the required height, fabric shall overlap a minimum of 6" and shall be spliced to avoid slippage.

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

STANDARD DWG. NO.
IUM-690-C
SHEET 1 OF 1
DATE 09-14-2017

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = April 1, 2024 @ 4:14 PM	DATE -	REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT

HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	62
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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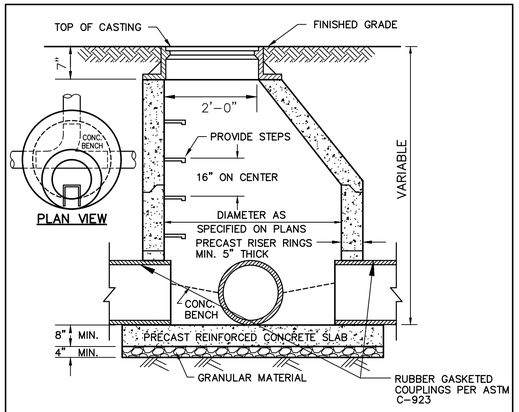
FILE NAME = H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS Plotted: April 1, 2024 @ 4:14 PM By: John Whitehouse — Model Name: 62 IDOT Details 22x34

Path: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS



NOTES:

1. FRAME AND LID SHALL BE NEENAH R-1713, EAST JORDAN 1051-3, OR APPROVED EQUAL, ALL WITH SELF-SEALING TYPE B LIDS WITH THE WORD "SANITARY" CAST IN THE LID.
2. RIM ADJUSTMENTS SHALL BE MADE WITH THE MINIMUM NUMBER OF ADJUSTING RINGS AS POSSIBLE WITH APPLICATION OF BITUMASTIC SEALANT BETWEEN RINGS, HEATED AND COMPRESSED TO PREVENT SETTLEMENT OVER TIME.
3. CHIMNEY SEALS, CRETEX EXTERNAL X-85, OR APPROVED EQUAL, SHALL BE APPLIED BEFORE BACKFILL AROUND NEW OR ADJUSTED MANHOLES.

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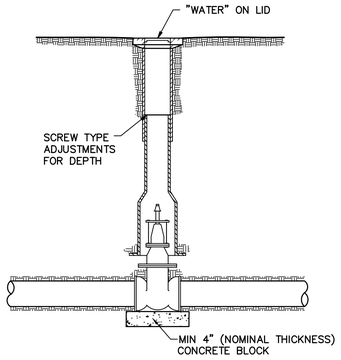
SANITARY MANHOLE				
Village of Newark Kendall County, Illinois	SCALE: N.T.S. DATE: 10-31-08	FOLDER: NE-SA	DRAWING NUMBER: 01	DRAWN BY: JGG REVISED:



NOTES:

1. VALVES FOR ALL WATER MAINS SHALL BE CLOW F6100 2500 SERIES RESILIENT WEDGE GATE VALVES, WITH MECHANICAL JOINTS IN ACCORDANCE WITH ANSI/AWWA C-515.
2. THE VALVE BOX SHALL BE AMERICAN FLOW CONTROL TRENCH ADAPTER MODEL TA-6, WITH 5 1/4" DROP LID, CAST WITH THE WORD "WATER".

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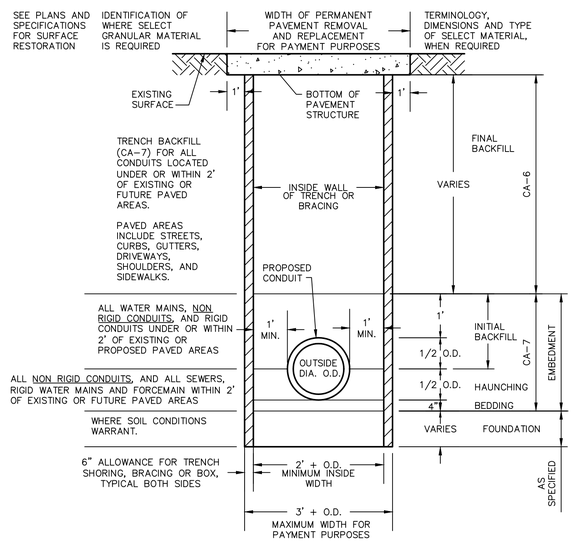
VALVE BOX				
Village of Newark Kendall County, Illinois	SCALE: N.T.S. DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 03	DRAWN BY: JGG REVISED:



NOTES:

1. ANY FLARE OR EXCAVATION BEYOND THE LIMITS SPECIFIED SHALL BE BACKFILLED ACCORDINGLY AT THE EXPENSE OF THE CONTRACTOR.
2. THE PROVIDING AND INSTALLATION OF THE GRANULAR BACKFILL FROM HEIGHT SPECIFIED TO 4" BELOW THE BOTTOM OF THE PIPE SHALL BE INCIDENTAL TO THE UNIT COST OF THE TYPE OF SEWER BEING CONSTRUCTED.
3. TRENCH BACKFILL LIMITS SHALL BE DEFINED AS 2' BEHIND CURB AND GUTTERS AND 2' BEYOND AGGREGATE SHOULDERS, DRIVEWAYS, SIDEWALKS, BIKE PATHS, OR OTHER PAVED AREAS.
4. THE BOTTOM WIDTH OF THE TRENCH (W) SHALL NOT EXCEED THE WIDTHS STATED IN SECTION 20-2.03, AND STANDARD DRAWING NO. 1 AND 2, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. (LATEST EDITION)
5. A PROPER NOTCH IN THE BEDDING STONE FOR ALL BELLS SHOULD BE PROVIDED. GRANULAR BEDDING IS REQUIRED UNDER ALL WATER MAIN. TRENCH FOUNDATION MATERIAL QUALITY IS AT THE SOLE DISCRETION OF THE ENGINEER.
6. ALL CA-7 TRENCH BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR IN LIFTS AND WITH THE EQUIPMENT NECESSARY TO PREVENT SETTLEMENT. NO SETTLING WILL BE ALLOWED.
8. OUTSIDE THE LIMITS FOR TRENCH BACKFILL, (AS DESCRIBED IN NOTE 3) 'NON-STRUCTURAL' FILL MATERIAL SHALL BE MECHANICALLY COMPACTED TO 85% OF THE STANDARD PROCTOR DENSITY.

NOTE: TRENCH BOX SHALL NOT EXTEND BELOW TOP OF PIPE, HOWEVER IT SHALL NOT EXCEED 2 FEET FROM THE BOTTOM OF THE TRENCH.

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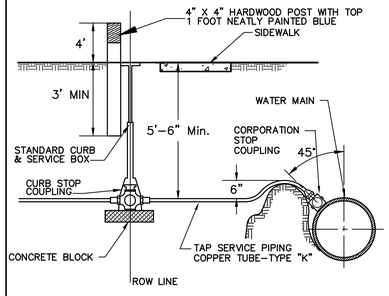
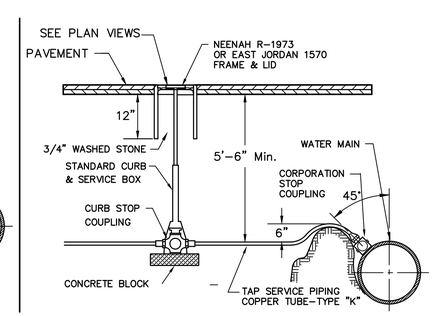
TYPICAL TRENCH DETAIL				
Village of Newark Kendall County, Illinois	SCALE: N.T.S. DATE: 10-31-08	FOLDER: NE-MI	DRAWING NUMBER: 01	DRAWN BY: JGG REVISED:

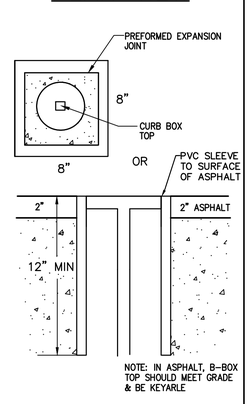
PARKWAY AREAS



PAVED AREAS



PLAN VIEW



NOTES:

1. FITTINGS SHALL BE MUELLER.
2. TAPS LARGER THAN 1" SHALL USE A CASCADE CNS-2 EPOXY COATED DOUBLE STAINLESS STRAP SADDLE.
3. SEE PLAN SHEETS FOR B-BOX LOCATION.
4. ALL CURB BOXES SHALL BE VERTICAL & KEYABLE PRIOR TO BACKFILL & INSTALLATION, IF ANY, OF PAVEMENT.

1" SERVICE	A.V. MCDONALD
CORPORATION STOP	4701 BQ BALL STYLE W/ Q SERIES COMPRESSION
CURB STOP COUPLING	6104 Q BALL STYLE ROUNDWAY W/ Q SERIES COMPRESSION
MINNEAPOLIS PATTERN SERVICE BOX	5614-5615 MINNEAPOLIS STYLE B-BOX W/ 1-1/4 UPPER
SERVICE PIPE	TYPE "K"

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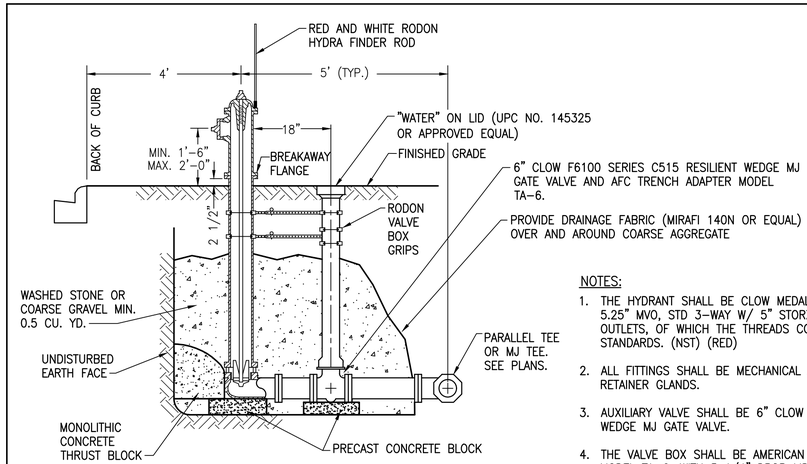
TYPICAL SERVICE TAP AND CONNECTION				
Village of Newark Kendall County, Illinois	SCALE: N.T.S. DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 05	DRAWN BY: JGG REVISED:



NOTES:

1. THE HYDRANT SHALL BE CLOW MEDALLION, 6' BURY, MJ SHOE WITH ONE 5.25" MVO, STD 3-WAY W/ 5" STORZ NOZZLE & TWO 2.5" HOSE OUTLETS, OF WHICH THE THREADS CONFORM TO VILLAGE OF NEWARK STANDARDS. (NST) (RED)
2. ALL FITTINGS SHALL BE MECHANICAL JOINT, INSTALLED WITH RETAINER GLANDS.
3. AUXILIARY VALVE SHALL BE 6" CLOW F6100 SERIES C515 RESILIENT WEDGE MJ GATE VALVE.
4. THE VALVE BOX SHALL BE AMERICAN FLOW CONTROL TRENCH ADAPTER MODEL TA-6, WITH 5 1/4" DROP LID, CAST WITH THE WORD "WATER".
5. FIRE HYDRANT SHALL INCLUDE A 5' TALL, RED AND WHITE RODON "HYDRA FINDER".
6. ALL FIRE HYDRANTS TO BE INSTALLED WITH PUMPER NOZZLE FACING THE ROADWAY.

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FIRE HYDRANT ASSEMBLY				
Village of Newark Kendall County, Illinois	SCALE: N.T.S. DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 01	DRAWN BY: JGG REVISED:

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = July 16, 2024 @ 12:00 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

STANDARD DETAILS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	63
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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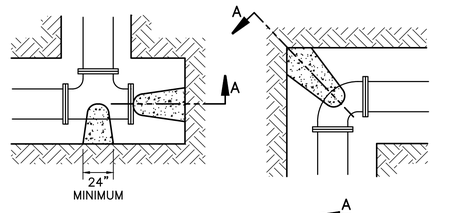
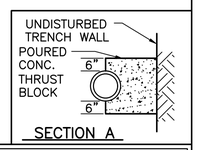


NOTES

1.) ALL TEES, BENDS, AND VALVES 12 INCHES AND UNDER SHALL BE ADEQUATELY BLOCKED WITH PRECAST THRUST BLOCKING AGAINST UNDISTURBED EARTH.

2.) THRUST BLOCKING FOR ALL WATERMAIN APPLICATIONS GREATER THAN 12 INCHES IN DIAMETER SHALL BE NEATLY FORMED AND CAST IN PLACE PORTLAND CEMENT CONCRETE.

3.) UNDER CERTAIN SOIL CONDITIONS, THE VILLAGE ENGINEER MAY REQUIRE CAST IN PLACE THRUST BLOCKING FOR ALL SIZES OF WATERMAIN.



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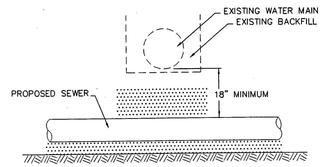
THRUST BLOCKING

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 06	DRAWN BY: JGG	REVISED:

PROPOSED SEWER LINE **BELOW EXISTING** WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



GUIDELINES

*1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

DMS

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DIV.V/STANDARD DRAWING NO.20

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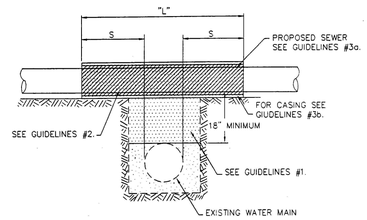
WATER & SEWER SEPARATION REQUIREMENTS (VERTICAL)

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 09	DRAWN BY: JGG	REVISED:

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO TO EXISTING WATER MAIN

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
   b. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

DMS

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DIV.V/STANDARD DRAWING NO.19

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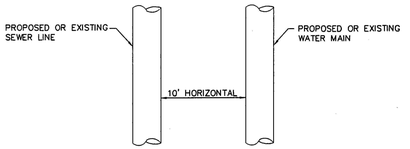
WATER & SEWER SEPARATION REQUIREMENTS (VERTICAL)

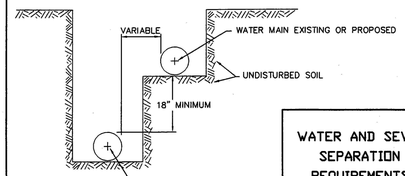
Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 08	DRAWN BY: JGG	REVISED:

WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



PLAN VIEW

WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED **LESS THAN 10 FEET** FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



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WATER AND SEWER SEPARATION REQUIREMENTS HORIZONTAL SEPARATION

DIV.V/STANDARD DRAWING NO.18

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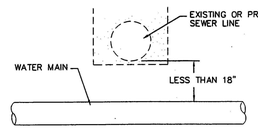
WATER & SEWER SEPARATION REQUIREMENTS (HORIZONTAL)

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 07	DRAWN BY: JGG	REVISED:

PLACEMENT OF WATER MAIN **BELOW EXISTING** OR PROPOSED SEWER LINE **WITH LESS** THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED***



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

DMS

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DIV.V/STANDARD DRAWING NO.24

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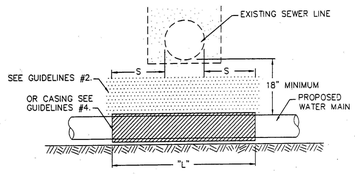
WATER & SEWER SEPARATION REQUIREMENTS (VERTICAL)

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 13	DRAWN BY: JGG	REVISED:

PROPOSED WATER MAIN **BELOW EXISTING** SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

DMS

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DIV.V/STANDARD DRAWING NO.23

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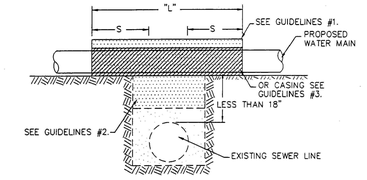
WATER & SEWER SEPARATION REQUIREMENTS (VERTICAL)

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 12	DRAWN BY: JGG	REVISED:

PROPOSED WATER MAIN **ABOVE EXISTING** SEWER LINE WITH **LESS THAN** 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.

DMS

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DIV.V/STANDARD DRAWING NO.22

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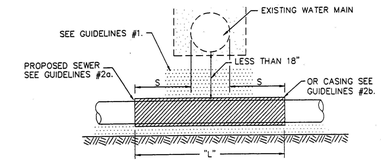
WATER & SEWER SEPARATION REQUIREMENTS (VERTICAL)

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 11	DRAWN BY: JGG	REVISED:

PROPOSED SEWER LINE **BELOW EXISTING** WATER MAIN WITH **LESS THAN** 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING WATER MAIN.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.

2a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

b. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

DMS

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

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WATER & SEWER SEPARATION REQUIREMENTS (VERTICAL)

Village of Newark, Kendall County, Illinois	SCALE: N.T.S.	DATE: 10-31-08	FOLDER: NE-WA	DRAWING NUMBER: 10	DRAWN BY: JGG	REVISED:

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

USER NAME = John Whitehouse	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = April 1, 2024 @ 4:16 PM	DATE	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

STANDARD DETAILS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.--- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	64
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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Plotted: April 1, 2024 @ 4:16 PM By: John Whitehouse — Model Name: 64 Details-NE-WA

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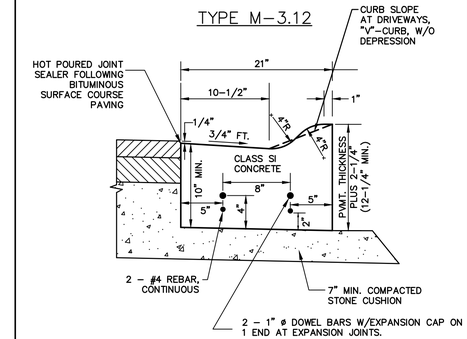
Plotted: April 1, 2024 @ 4:16 PM By: John Whitehouse — Model Name: 65 Details-NE-WA



NOTES:

1. MEASUREMENT FROM T/C TO FINISH PAVEMENT AT GUTTER FLAG = 0.17' (2").
2. EXPANSION JOINTS @ EVERY 100' SPACING, POINT OF CURVATURE, 5' ON EACH SIDE OF DRAINAGE STRUCTURE AND BETWEEN SEPARATE POURS.
3. CONTRACTION JOINTS SAWCUT A MINIMUM 2" DEEP, AT A SPACING OF NO MORE THAT 10' WITHIN 24 HOURS OF CURB PLACEMENT.
4. APPLY WR MEADOWS TIAH CONCRETE SEALER OR APPROVED EQUAL 7-10 DAYS AFTER CURB INSTALLATION. CONTRACTION JOINTS SHALL BE FILLED WITH AN APPROVED CRACK FILLER PRIOR TO SEALER APPLICATION.
5. CASTINGS TO BE PROVIDED AS INDICATED IN STANDARD DETAILS AND ON THE PLANS.

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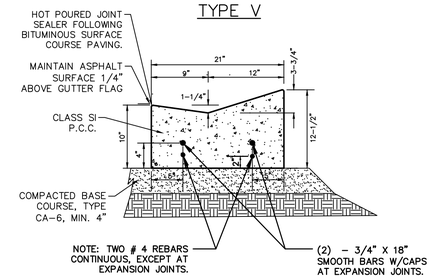
CURB AND GUTTER - M-3.12

Village of Newark Kendall County, Illinois	SCALE: N.T.S.	FOLDER: NE-RD	DRAWING NUMBER: 04	DRAWN BY: JGG
	DATE: 10-31-08			REVISED:



NOTES:

1. MEASUREMENT FROM T/C TO FINISH PAVEMENT AT GUTTER FLAG = 0.19' (2-1/4").
2. EXPANSION JOINTS @ EVERY 100' SPACING, POINT OF CURVATURE, 5' ON EACH SIDE OF DRAINAGE STRUCTURE AND BETWEEN SEPARATE POURS.
3. CONTRACTION JOINTS CUT A MINIMUM 2" DEEP, AT A SPACING OF NO MORE THAT 10' WITHIN 24 HOURS OF CURB PLACEMENT.
4. APPLY WR MEADOWS TIAH CONCRETE SEALER OR APPROVED EQUAL 7-10 DAYS AFTER CURB INSTALLATION. CONTRACTION JOINTS SHALL BE FILLED WITH AN APPROVED CRACK FILLER PRIOR TO SEALER APPLICATION.
5. CASTINGS TO BE PROVIDED AS INDICATED IN STANDARD DETAILS AND IMPROVEMENT PLANS.

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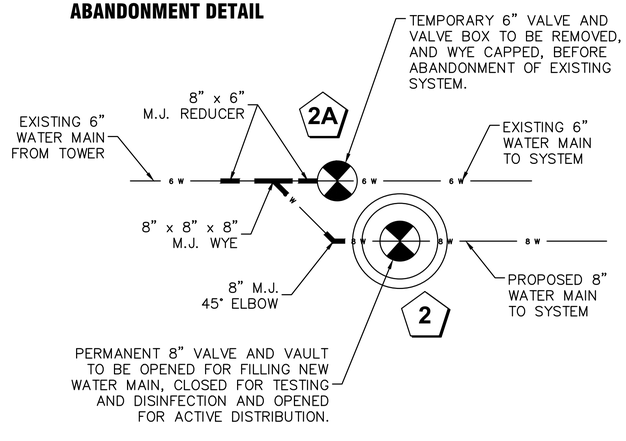
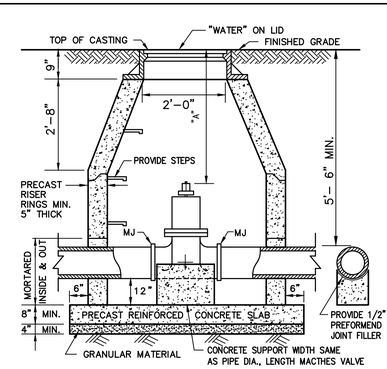
CONCRETE CURB & GUTTER - V-TYPE

Engineering Enterprises, Inc. 52 Wheeler Road Sugar Grove, Illinois 60554 Phone: (630) 466-9350	SCALE: N.T.S.	FOLDER: EE-PV	DRAWING NUMBER: CR-01	DRAWN BY: JTW
	DATE: 07/01/21			REVISED:

W. LIONS STREET CONNECTION AND ABANDONMENT DETAIL





NOTES:

1. VALVES FOR ALL WATER MAINS SHALL BE CLOW F6100 2500 SERIES RESILIENT WEDGE GATE VALVES, WITH MECHANIC JOINTS IN ACCORDANCE WITH ANSI/AWWA C-515.
2. IF "A" IS GREATER THAN 6'-0" PROVIDE AN EXTENSION ON THE OPERATING NUT.
3. VALVE VAULT SHALL HAVE A DIA. OF 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES.
4. FRAME AND LID SHALL BE NEENAH R-1713, EAST JORDAN 1051-3, OR APPROVED EQUAL, ALL WITH SEALING TYPE B LIDS WITH THE WORD "WATER" CAST IN THE LID.
5. A MAXIMUM OF 8" OF ADJUSTING RINGS SHALL BE USED. NO MORE THAN THREE ADJUSTING RINGS ARE ALLOWED. ANY REQUIRED ADJUSTMENT GREATER THAN 12" WILL NECESSITATE THE ADDITION OF A BARREL SECTION.

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VALVE VAULT

Village of Newark Kendall County, Illinois	SCALE: N.T.S.	FOLDER: NE-WA	DRAWING NUMBER: 02	DRAWN BY: JGG
	DATE: 10-31-08			REVISED:

Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = John Whitehouse	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = April 1, 2024 @ 4:16 PM	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

STANDARD DETAILS

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00158-00-DR	KENDALL	65	65
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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PLOTTED: H:\SDSKPROJ\KE_KENDALL COUNTY\2020\KE2001\DWG FINAL ENG\KE2001-DETAILS