

FINAL ENGINEERING PLANS FOR

PLETCHER DRIVE

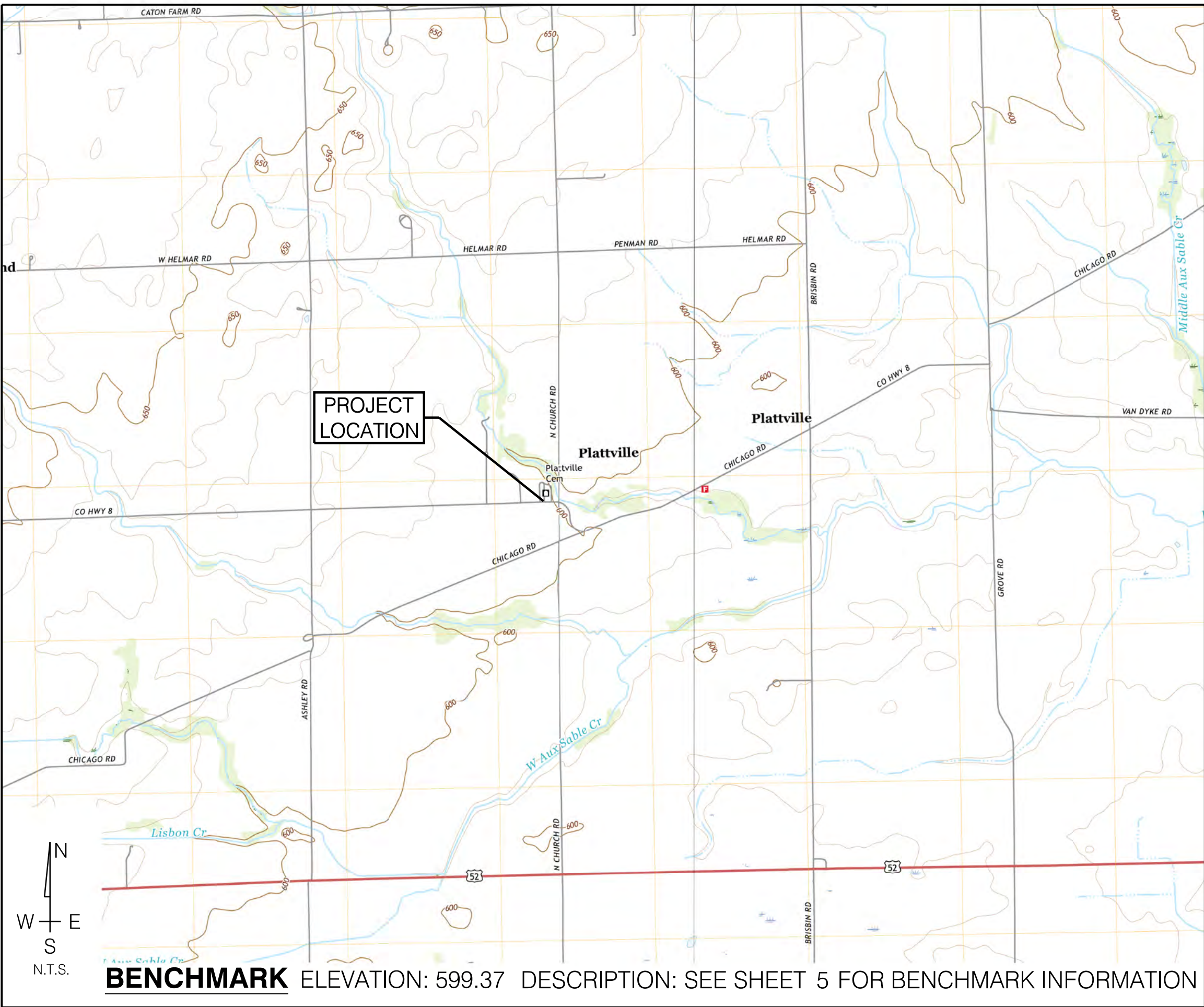
DRAINAGE IMPROVEMENTS

PLATTVILLE, ILLINOIS

WBK PROJECT NO. 20-0205

SECTION NO. 20-00160-00-DR

LOCATION MAP



PLAN LEGEND

EXISTING	LINETYPES	PROPOSED
	DRAIN TILE	
	STORM SEWER	
	SANITARY SEWER	
	WATER MAIN (W/ SIZE)	
	PIPE TRENCH BACKFILL	
	GAS MAIN	
	TELEPHONE LINES	
	ELECTRIC LINE	
	FENCE	
	RIGHT-OF-WAY	
	EASEMENT	
	PROPERTY LINE	
	SETBACK LINE	
	CENTERLINE	
	CONTOUR	
	GUARDRAIL	
	SANITARY MANHOLE	
	STORM MANHOLE	
	CATCH BASIN	
	INLET	
	SUMP STRUCTURE	
	FIRE HYDRANT	
	PRESSURE CONNECTION	
	VALVE & VAULT, VALVE	
	FLARED END SECTION	
	STREET LIGHT	
	UTILITY POLE	
	CONTROL POINT	
	SIGN	
	SPOT ELEVATION	
	OVERLAND FLOW ROUTE	
	DRAINAGE SLOPE	
	TREE, EVERGREEN, SHRUB & PROPOSED TREE TO REMOVE	

PERMITS

AGENCY	DATE	PERMIT #
IEPA (NPDES ILR10 - NOI)		

SHEET INDEX

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REVISIONS

ORIGINAL PLAN DATE: 11/02/20			
#	SHT NO.	DESCRIPTION	DATE
1	ALL	ISSUED FOR UTILITY REVIEW	11/20/20
2	ALL	95% PRE-FINAL SUBMITTAL	01/22/21
3	ALL	100% ISSUED FOR BID	02/12/21

CLIENT

KENDALL COUNTY HIGHWAY DEPARTMENT
6780 ROUTE 47
YORKVILLE, IL 60560
630-553-7616

COUNTY ENGINEER

ENGINEER
FRANCIS C. KLAAS, P.E.

09-23-21
DATE

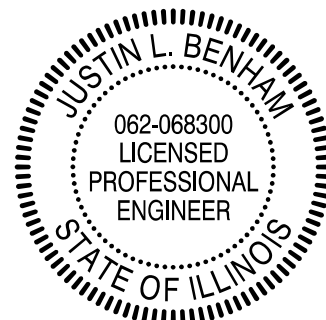
SEAL

ILLINOIS REGISTRATION NO.: 062-044539
EXPIRATION DATE: 11/30/2021
THESE PLANS OR ANY PART THEREOF SHALL BE
CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL
AND EXPIRATION DATE OF SEAL OF THE ENGINEER

CIVIL ENGINEER

ENGINEER
JUSTIN L. BENHAM, P.E.

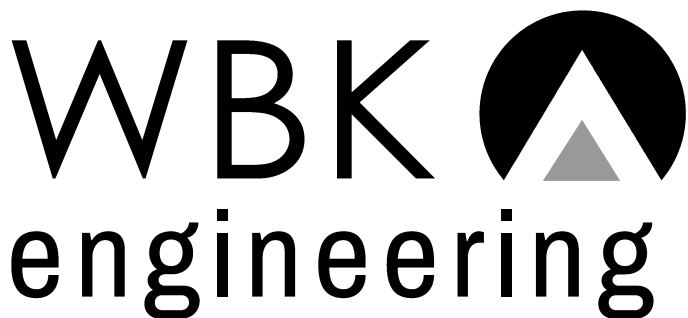
2/12/2021
DATE



ILLINOIS REGISTRATION NO.: 062-068300
EXPIRATION DATE: 11/30/2021
THESE PLANS OR ANY PART THEREOF SHALL BE
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AND EXPIRATION DATE OF SEAL OF THE ENGINEER



CALL J.U.L.I.E. 1-800-892-0123
48 HOURS BEFORE YOU DIG
SE ¼ SECTION 2, TOWNSHIP 35N, RANGE 7E
VILLAGE OF PLATTVILLE, ILLINOIS



WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201, ST. CHARLES, ILLINOIS 60174
P: 630.443.7755 F: 630.443.0533 WWW.WBKENGINEERING.COM

PROFESSIONAL DESIGN FIRM NO. 184.007317
EXPIRATION DATE: 04/30/2021

ISSUED FOR BID

PLOT DATE : 2/6/2021
User Name : k:\ephen
FILE NAME : K:\Projects\2020\200205 Pletcher-RdPhl\cadd\Civil\Dgn\Sh\200205-00.dgn

REFERENCED SPECIFICATIONS AND CODES

- THE FOLLOWING DOCUMENTS SHALL GOVERN THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS, ALWAYS UTILIZING THE LATEST EDITION. IN CASE OF CONFLICT, THE MORE RESTRICTIVE PROVISION SHALL APPLY. THE CITED DOCUMENTS, COMBINED WITH THESE CONSTRUCTION PLANS AND ASSOCIATED PROJECT SPECIFICATIONS, ARE ALL TO BE CONSIDERED PART OF THE WORK. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED PART OF THESE IMPROVEMENTS.
- 1)

THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (SSRBC) AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- 2)

THE ILLINOIS DEPARTMENT OF TRANSPORTATION "CULVERT MANUAL".
- 3)

THE ILLINOIS DEPARTMENT OF TRANSPORTATION "BUREAU OF LOCAL ROADS AND STREETS MANUAL", AS WELL AS ALL OTHER APPLICABLE CODES, DETAILS, SPECIFICATIONS, AND STANDARD PRACTICES OF ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 4)

THE ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS".
- 5)

THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY "ILLINOIS URBAN MANUAL" (IUM).
- 6)

THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD).
- 7)

SECTION 404 OF THE CLEAN WATER ACT, SECTION 10 OF THE RIVERS AND HARBORS ACT OF 1899, AND THE RULES AND REGULATIONS ENFORCED BY THE US ARMY CORPS OF ENGINEERS, CHICAGO DISTRICT.
- 8)

THE ILLINOIS ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
- 9)

THE KENDALL COUNTY STORMWATER MANAGEMENT ORDINANCE AND ASSOCIATED TECHNICAL REFERENCE MANUAL, AS WELL AS ALL OTHER APPLICABLE CODES, ORDINANCES, DETAILS, SPECIFICATIONS, AND STANDARD PRACTICES OF KENDALL COUNTY.

GENERAL PROJECT NOTES

- 1) ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE PRIOR TO SUBMITTING BIDS.
- 2) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
- 3) PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THEY MUST BE IMMEDIATELY REPORTED TO THE ENGINEER BEFORE ANY WORK BEGINS. FAILURE TO REPORT SUCH DIFFERENCES WILL RESULT IN THE CONTRACTOR HAVING BEEN DETERMINED TO PROCEED AT THEIR OWN RISK AND EXPENSE.
- 4) IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS AND/OR PROJECT DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILURE TO REPORT SUCH DIFFERENCES WILL RESULT IN THE CONTRACTOR HAVING BEEN DETERMINED TO PROCEED AT THEIR OWN RISK AND EXPENSE.
- 5) IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS, SPECIFICATIONS AND/OR PROJECT DETAILS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- 6) THE CONTRACTOR SHALL DESIGNATE A JOB SUPERINTENDENT AT THE START OF CONSTRUCTION AND THE CONTRACTOR'S SUPERINTENDENT SHALL BE ON-SITE AT ALL TIMES DURING CONSTRUCTION. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR ENSURING THAT THE CONTRACTOR COMPLIES WITH THE PROJECT PLANS AND SPECIFICATIONS.
- 7) AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL NOTIFY ALL TESTING AGENCIES AS CONTRACTED BY THE OWNER SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. FAILURE TO NOTIFY SUCH AGENCIES RESULTING IN THE TESTING AGENCIES BEING UNABLE TO VISIT THE SITE WILL RESULT IN THE CONTRACTOR SUSPENDING OPERATIONS THAT PERTAIN TO TESTING UNTIL THE TESTING AGENCIES ARE PRESENT ON-SITE. ANY COSTS ASSOCIATED WITH THIS SUSPENSION OF WORK SHALL BE BORNE BY THE CONTRACTOR.
- 8) AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY RESPONSE AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES. AT NO TIME SHALL ACCESS TO BUILDINGS AND ROADWAYS WITHIN THE PROJECT LIMITS BE DENIED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
- 9) THE CONTRACTOR'S SUPERINTENDENT SHALL BE REQUIRED TO MAINTAIN IN THEIR POSSESSION AT ALL TIMES A COPY OF THE APPROVED ENGINEERING PLANS, SPECIFICATIONS AND ALL PROJECT PERMITS

GENERAL PROJECT NOTES (CONTINUED)

- 10) ANY EXISTING SIGNS, LIGHT STANDARDS OR UTILITY POLES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND ARE NOT NOTED FOR REMOVAL SHALL BE KEPT OPERATIONAL AND MAINTAINED BY THE CONTRACTOR AT THEIR OWN EXPENSE. THIS SHALL INCLUDE THE TEMPORARY REMOVAL, RELOCATION AND/OR RESETTING OF SUCH ITEMS AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER AND/OR OWNER. ANY ITEMS THAT ARE NOT TO BE RESET SHALL BE DELIVERED TO THEIR RESPECTIVE OWNER.
- 11) THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND ANY OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. FAILURE TO PROVIDE PROTECTION RESULTING IN DAMAGES TO EXISTING ROADWAYS, SIDEWALKS, CURBS, UTILITY STRUCTURES AND OTHER PUBLIC INFRASTRUCTURE WILL REQUIRE THE CONTRACTOR TO MAKE REPAIRS AT THEIR OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- 12) THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL BENCHMARKS, SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER OR THE OWNER'S REPRESENTATIVE HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 13) THE CONTRACTOR SHALL NOT DELIVER AND STORE ANY MATERIALS ON THE PROJECT SITE MORE THAN SEVEN (7) DAYS IN ADVANCE OF COMMENCING WORK. ALL STORAGE LOCATIONS MUST BE APPROVED IN ADVANCE BY THE ENGINEER. STORAGE LOCATIONS THAT FALL OUTSIDE THE PROJECT LIMITS WILL NOT BE ALLOWED. NO PORTION OF THE ROADWAY MAY BE USED FOR MATERIAL STORAGE AT ANY POINT DURING CONSTRUCTION.
- 14) ALL REPAIRS AND/OR REPLACEMENTS TO THE PARKWAY, PAVEMENT, CURBS, SIDEWALKS ETC. AS A RESULT OF DAMAGE DUE TO MATERIAL STORAGE ACTIVITIES SHALL BE COMPLETED AT THE CONTRACTOR'S OWN EXPENSE.
- 15) THE ENGINEER WILL INSPECT ALL WORK PRIOR TO FINAL APPROVAL. FINAL PAYMENT TO THE CONTRACTOR WILL NOT BE MADE UNTIL ALL WORK HAS BEEN APPROVED AND CERTIFIED COMPLETE BY THE ENGINEER.

EXISTING UTILITIES

- 1) IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM OR ESTABLISH THE EXISTENCE OF ALL EXISTING UTILITY FACILITIES AND THEIR EXACT LOCATIONS. PRIOR TO COMMENCEMENT OF SITE DITURBING ACTIVITIES, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 1-800-892-0123 FOR FIELD LOCATION OF BURIED UTILITIES. A MINIMUM 48-HOUR NOTIFICATION PERIOD IS REQUIRED.
- 2) IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH LOCATIONS OF THE PROPOSED IMPROVEMENTS, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER.
- 3) TO THE BEST OF OUR KNOWLEDGE, EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY ARE SHOWN ON THE PLANS IN ACCORDANCE WITH AVAILABLE RECORDS.
- 4) THE CONTRACTOR SHALL NOTIFY EXISTING UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO THE START OF ANY OPERATION REQUIRING COOPERATION WITH OTHERS.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS. UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
- 6) THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- 7) THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES INVOLVED WITH THE REMOVAL, TEMPORARY RELOCATION, SUPPORT, PROTECTION, RECONSTRUCTION OR ABANDONMENT BY THESE COMPANIES OF ANY AND ALL SERVICES OR FACILITIES OWNED OR OPERATED BY THEM WITHIN THE PROJECT LIMITS.

EXCAVATION, PROPOSED UTILITIES AND SITE GRADING

- 1) THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND SHALL PROVIDE FIELD ENGINEERING SERVICES TO PERFORM SUCH WORK.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR ALL AS-BUILT SURVEY AND SHALL PROVIDE FIELD ENGINEERING SERVICES TO PERFORM SUCH WORK.
- 3) THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION LAYOUT STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SHORING AND BRACING, SHEET PILING, UPRIGHTS, STRINGERS, CROSS BRACES, TRENCH BOXES, ETC. AS REQUIRED TO COMPLETE THE PROPOSED IMPROVEMENTS. THIS WORK SHALL BE COMPLETED AT THE CONTRACTOR'S OWN EXPENSE.
- 5) THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER CONDITIONS THAT MAY CAUSE UNSOUND BEARING TO THE OWNER.
- 6) IN THE EVENT THAT UNSTABLE/SOFT MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. THE DECISION TO REMOVE SAID MATERIALS, AND TO WHAT EXTENT, SHALL BE MADE BY THE ENGINEER.
- 7) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL VERIFY THE SIZE AND INVERT ELEVATIONS OF ALL UTILITY CONNECTIONS SO AS TO AVOID CONFLICTS DURING CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THEY MUST BE IMMEDIATELY REPORTED TO THE ENGINEER BEFORE ANY WORK BEGINS. FAILURE TO REPORT SUCH DIFFERENCES WILL RESULT IN THE CONTRACTOR HAVING BEEN DETERMINED TO PROCEED AT THEIR OWN RISK AND EXPENSE.
- 8) NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE ENGINEER. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE ENGINEER PRIOR TO PLACEMENT OF ANY ASPHALT OR CONCRETE AFTER FORMS HAVE BEEN SET.
- 9) THE CONTRACTOR SHALL WORK BASED ON THEIR OWN EXPLORATIONS AND OBSERVATIONS TO DETERMINE CONDITIONS AT THE LOCATION OF THE PROPOSED WORK.
- 10) THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE TO FINISHED GRADE UNLESS OTHERWISE NOTED.
- 11) STATIONS AND OFFSETS SHOWN ON THE CONSTRUCTION PLANS FOR UTILITY STRUCTURES ARE TO THE CENTER OF THE STRUCTURE. RIM ELEVATIONS SHOWN FOR UTILITY STRUCTURES ARE TO PAVEMENT/FINISHED GRADE ELEVATION. STATIONS AND OFFSETS SHOWN FOR FLARED END SECTIONS ARE TO THE TOP MID-POINT OF THE TOE OF THE FLARED END SECTION.
- 12) DUE TO SPACE CONSTRAINTS, IT IS REQUIRED THAT TOPSOIL WILL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN OFF-SITE LOCATION. THE CONTRACTOR SHALL NOT BE ALLOWED TO STRIP, STOCKPILE AND RESPREAD EXISTING TOPSOIL ON THE SITE. THE REMOVAL OF EXISTING TOPSOIL SHALL BE PAID FOR AS "EARTH EXCAVATION".
- 13) THE CONTRACTOR SHALL ONLY BE PAID FOR EARTHWORK ONCE, REGARDLESS OF STAGING AND HOW MANY TIMES THE EXCAVATED MATERIALS ARE HANDLED. HANDLING OF EXCAVATED MATERIALS MORE THAN ONCE TO BETTER FACILITATE CONSTRUCTION ACTIVITIES SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- 14) ALL EXCAVATION AND EMBANKMENT LOCATIONS SHALL BE CONSTRUCTED TO FOUR (4) INCHES BELOW FINISHED GRADE TO ALLOW FOR PLACEMENT OF TOPSOIL MATERIALS.
- 15) THE SUB-GRADE SHALL BE GRADED TO WITHIN A TOLERANCE OF 0.1 FEET OF THE PLAN SUBGRADE ELEVATIONS.
- 16) EMBANKMENT MATERIAL SHALL BE PLACED IN LOOSE LIFTS THAT SHALL NOT EXCEED EIGHT (8) INCHES IN THICKNESS, AND THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHIEVE REQUIRED COMPACTION. FILL MATERIALS SHALL NOT BE PLACED OVER EXISTING TOPSOIL OR OTHER UNSUITABLE MATERIALS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
- 17) THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND PREVENT WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. IF ADDITIONAL WORK IS REQUIRED DUE TO THE CONTRACTOR'S FAILURE TO FACILITATE POSITIVE DRAINAGE DURING CONSTRUCTION, SUCH WORK SHALL BE COMPLETED AT THE CONTRACTOR'S OWN EXPENSE.
- 18) IN THE EVENT THAT WATER ENTERS AN EXCAVATION, THE CONTRACTOR SHALL REMOVE SUCH WATER IN A TIMELY MANNER TO PREVENT SOFTENING AND OTHER SOIL CHANGES DETRIMENTAL TO SUBGRADE STABILITY. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN PUMPS, SUMPS, DISCHARGE LINES AND OTHER NECESSARY COMPONENTS TO MAINTAIN A DEWATERING SYSTEM TO CONVEY WATER AWAY FROM EXCAVATIONS AS DIRECTED BY THE ENGINEER.

TOPOGRAPHIC SURVEY

- 1) THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88.
- 2) THE TOPOGRAPHIC SURVEY FOR THIS PROJECT WAS COMPLETED ON FEBRUARY 3, 2020 BY WBK ENGINEERING, LLC. SUPPLEMENTAL PROJECT SURVEYS WERE COMPLETED ON SEPTEMBER 4, 2020 AND NOVEMBER 23, 2020 BY WBK ENGINEERING, LLC.

SOIL EROSION AND SEDIMENT CONTROL

- 1) ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MEASURES SHALL BE IN ACCORDANCE WITH THE PROJECT SWPPP AND ALL PROJECT PERMITTING REQUIREMENTS. ALL PRE-CONSTRUCTION DEVICES AND MEASURES MUST BE IN PLACE PRIOR TO THE START OF SOIL-DISTURBING CONSTRUCTION ACTIVITIES.
- 2) THE CONTRACTOR SHALL MAINTAIN ALL STREETS, DRIVEWAYS, PARKING AREAS AND RIGHTS-OF-WAY FREE OF MUD, SOIL AND CONSTRUCTION DEBRIS. THE CONTRACTOR SHALL CLEAN STREETS OF THESE ITEMS AS DIRECTED BY THE ENGINEER OR AT THE END OF EACH WORKING DAY AT A MINIMUM.
- 3) NO CONSTRUCTION EQUIPMENT OR VEHICLES SHALL BE STORED, SERVICED, WASHED OR FLUSHED IN A LOCATION WHERE LEAKS, SPILLAGE WASTE MATERIALS, CLEANERS OR WASHWATERS WILL BE INTRODUCED INTO OR FLOW DIRECTLY INTO STORM SEWER SYSTEMS OR WATERCOURSES.
- 4) THE CONTRACTOR SHALL MONITOR WEATHER FORECASTS AND IMMEDIATELY REMOVE ALL EQUIPMENT (INCLUDING ANY FUEL, EXPLOSIVES OR OTHER HAZARDOUS MATERIAL) FROM FLOOD PRONE AREAS IN THE EVENT OF ISSUANCE OF ANY FLOOD WATCHES OR WARNINGS.
- 5) AT THE END OF EACH WORKING DAY, THE CONTRACTOR SHALL REMOVE ANY LOOSE MATERIAL THAT HAS BEEN DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES OR GUTTERS SUCH THAT THE FLOW OF WATER IS NOT IMPEDED. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF ALL DIRT AND DEBRIS PRIOR TO FINAL PROJECT INSPECTION.
- 6) ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED IN GOOD WORKING ORDER THROUGHOUT THE DURATION OF CONSTRUCTION. DAMAGED OR INEFFECTIVE DEVICES AND MEASURES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER WITHIN A PERIOD OF 24 HOURS.
- 7) THE CONTRACTOR SHALL NOT REMOVE ANY SOIL EROSION AND SEDIMENT CONTROL DEVICES OR MEASURES FROM OPERATION UNTIL DIRECTED TO DO SO BY THE ENGINEER.

PERMITS

THE FOLLOWING PERMITS ARE REQUIRED FOR THIS PROJECT. ALL PERMITS MUST BE ISSUED AND IN HAND PRIOR TO COMMENCEMENT OF CONSTRUCTION.

- 1) ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NPDES ILR10 PERMIT - NOTICE OF INTENT (NOI)

REMOVALS

- 1) ITEMS SPECIFIED FOR REMOVAL SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL IDENTIFY AND COMMUNICATE TO THE ENGINEER ALL LOCATIONS THAT ARE TO BE UTILIZED FOR SUCH DISPOSAL.
- 2) THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL OF DELETERIOUS MATERIALS AS REQUIRED BY THE ENGINEER.
- 3) ITEMS SPECIFIED FOR REMOVAL SUCH AS PAVEMENTS, DRIVEWAYS, SIDEWALKS, CURBS, ETC. SHALL BE CUT WITH A PAVEMENT SAW PRIOR TO REMOVAL. SAW CUTS SHALL BE MADE AT THE REMOVAL LIMITS OF THE ITEM BEING REMOVED AS MARKED BY THE ENGINEER.
- 4) THE CONTRACTOR SHALL NOT DAMAGE, REMOVE OR OTHERWISE IMPACT ITEMS NOT SPECIFIED FOR REMOVAL ON THE PROJECT PLANS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. IN THE EVENT THAT AN ITEM IS DAMAGED OR REMOVED, THE CONTRACTOR SHALL RESTORE THE ITEM TO IT'S ORIGINAL CONDITION AT THEIR OWN EXPENSE.

TITLE :
**PLETCHER DRIVE
DRAINAGE IMPROVEMENTS**

JLB
JLB
VDP

DSGN.
DWN.
CHKD.

SCALE : AS SHOWN

1
2
3
4
5
6
7
8

NO.
DATE

CUSTOMER :
**KENDALL COUNTY
HIGHWAY DEPARTMENT
6780 ROUTE 47
YORKVILLE, IL 60560
630-553-7616**

WBK
engineering

WBKENGINEERING LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

PROJECT NO. 20-0205

DATE : 02/12/21

DRAWING NO. **GN1**

SHEET

2 OF 30

SECTION NO. 20-00160-00-DR

ISSUED FOR BID

The diagram illustrates a cross-section of a road improvement project. On the left, an existing ditch with 3:1 maximum slopes is shown, with a 4-inch assumed topsoil layer. The existing road surface consists of a stone road base and an HMA pavement layer. The proposed improvement includes a new 36-foot wide roadway with variable (VAR) shoulders, a 2% cross-slope, and a new EOP (End of Pavement) line. The existing ROW (Right of Way) is also indicated.

Labels and dimensions include:

- 36' & VAR (SEE NOTE 1)
- 12' & VAR
- EX ROW
- EX TOPSOIL (4" ASSUMED)
- EX DITCH W/ 3:1 MAX SLOPES
- EOP
- 2% & VAR.
- ROADWAY C
- EX HMA PAVEMENT
- EX STONE ROAD BASE
- EX SUBGRADE

46' & VAR (SEE NOTE 1)

36' & VAR (SEE NOTE 1)

12' & VAR

12' & VAR

PR ROW

EX ROW

EOP

ROADWAY C

2% & VAR.

2% & VAR.

EOP

MATCH EX GRADE

PR LANDSCAPE RESTORATION
TOPSOIL, FURNISH AND PLACE, 4"
SEEDING, IDOT CLASS 2A W/ FERTILIZER
EROSION CONTROL BLANKET

PR AGGREGATE WEDGE SHOULDER, 4"

EARTH EXCAVATION W/
OFF-SITE DISPOSAL

PR 6" PVC TILE DRAIN
SEE NOTE 3

PR TRAPEZOIDAL DITCH W/
4' BOTTOM & 3:1 SIDE SLOPES

3:1

3:1

NOTE
BEGIN
END

NOTE
2.5:1

Diagram illustrating a cross-section of a drainage ditch and roadway shoulder. The ditch is trapezoidal with 3:1 side slopes and a 4' bottom. The shoulder is a 4" aggregate wedge. The roadway is shown with a 2% cross-slope. The diagram includes labels for 'EX ROW', 'EOP', 'ROADWAY CL', and 'PR LANDSCAPE RESTORATION'. Dimensions include a total width of 51' and a 12' & VAR offset. A note indicates 'MATCH EX GRADE' at the ditch top.

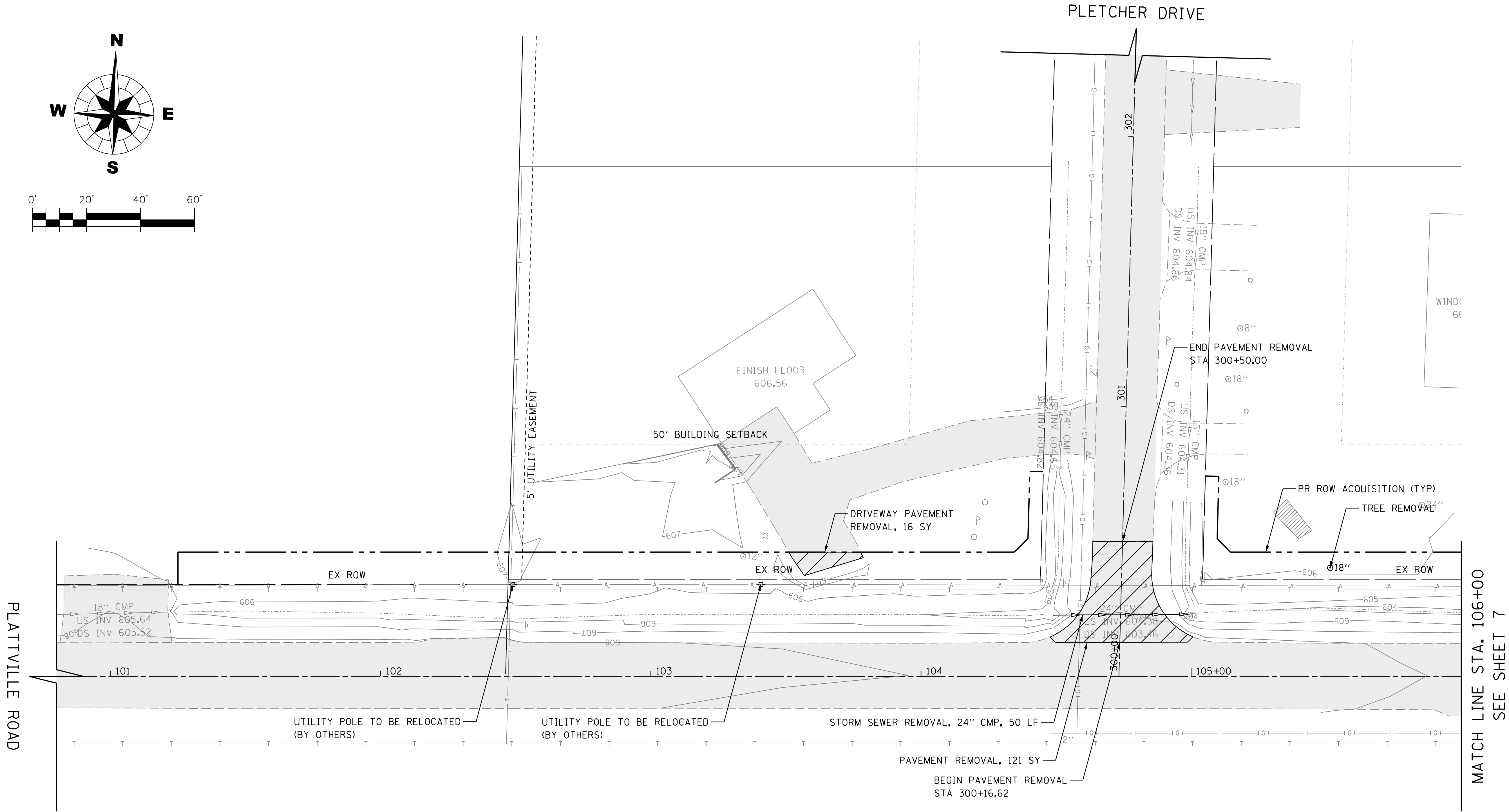
Labels and Dimensions:

- 51'
- 12' & VAR
- 12' & VAR
- EX ROW
- EOP
- ROADWAY CL
- 2% & VAR.
- 2% & VAR.
- EOP
- MATCH EX GRADE
- PR LANDSCAPE RESTORATION TOPSOIL, FURNISH AND PLACE, 4" SEEDING, IDOT CLASS 2A W/ FERTILIZER EROSION CONTROL BLANKET
- PR 6" PVC TILE DRAIN (SEE NOTE 3)
- EARTH EXCAVATION W/ OFF-SITE DISPOSAL
- PR TRAPEZOIDAL DITCH W/ 4' BOTTOM & 3:1 SIDE SLOPES (SEE NOTE 4)
- PR AGGREGATE WEDGE SHOULDER, 4"

5)

Diagram illustrating a cross-section of a road restoration project. The diagram shows a trapezoidal ditch with 3:1 side slopes and a 4' bottom, labeled "PR TRAPEZOIDAL DITCH W/ 4' BOTTOM & 3:1 SIDE SLOPES (SEE NOTE 4)". The ditch is filled with "EARTH EXCAVATION W/ OFF-SITE DISPOSAL". To the right of the ditch is a "PR AGGREGATE WEDGE SHOULDER, 4\"", which is 12' wide and has a 2% cross-slope. The shoulder is composed of "PR AGGREGATE WEDGE SHOULDER, 4\"", "CLASS 2A W/ FERTILIZER", and "SH AND PLACE, 4\"". The roadway is 51' wide, with a 12' section labeled "12' & VAR." and a "ROADWAY C" line. The "EX ROW" (Existing Right-of-Way) is indicated by a dashed line. The "EOP" (End of Project) is marked at the edge of the shoulder. The "MATCH EX GRADE" is shown on the left side of the ditch. A "TILE DRAIN (SEE NOTE 3)" is located at the bottom of the ditch. The diagram also shows a "PR AGGREGATE WEDGE SHOULDER, 4\"", "CLASS 2A W/ FERTILIZER", and "SH AND PLACE, 4\"".

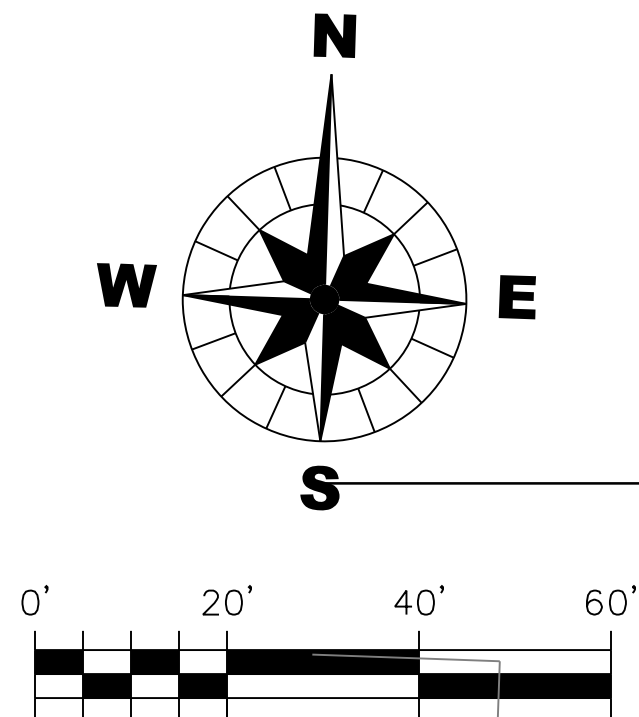
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User Name : jk
File Name : W:\Projects\2020\200205 Pletcher-Rd\Pl\Lead\G.vll\Dgn\Sh\200205-RM1.dgn



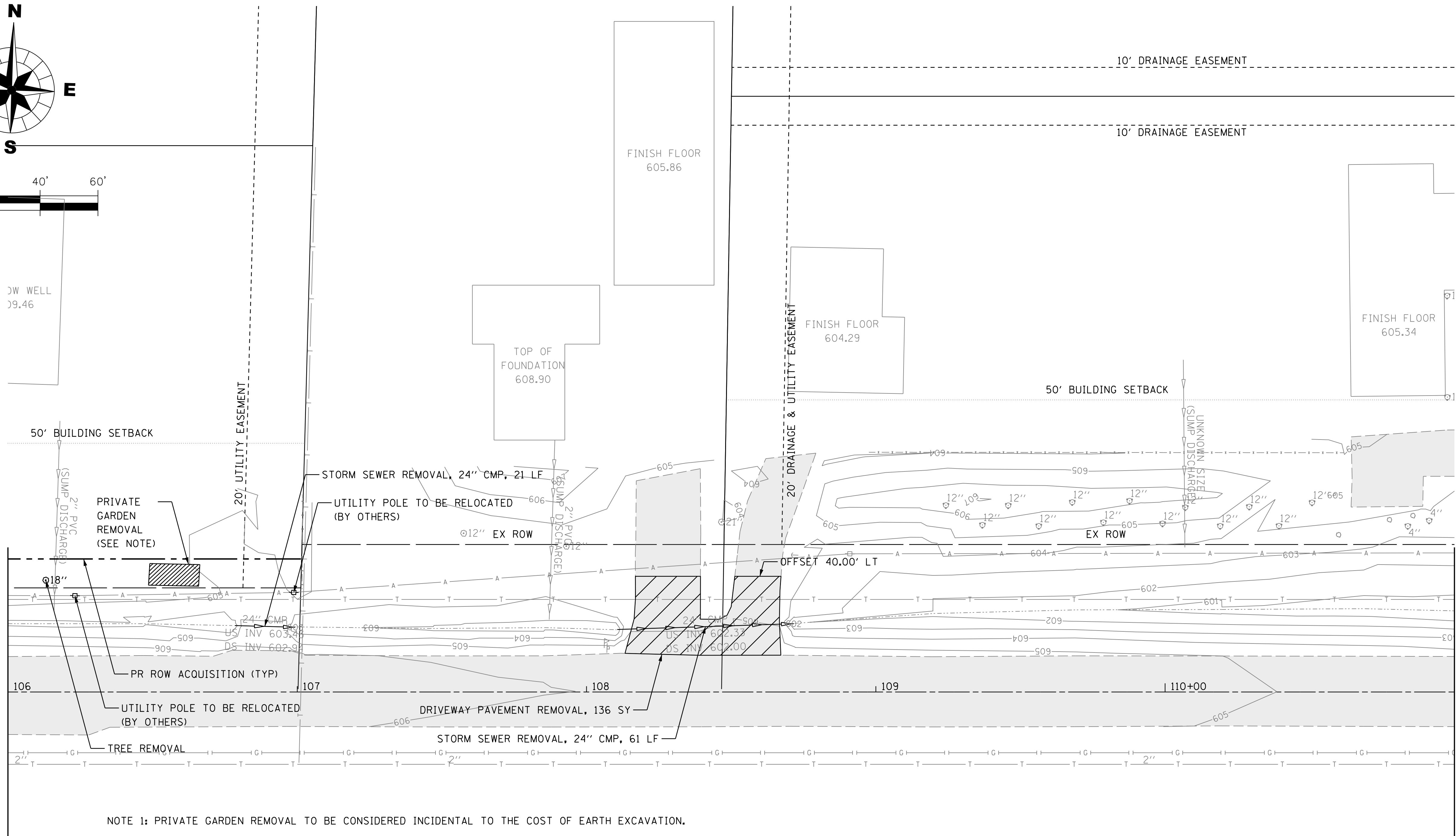
MATCH LINE STA. 106+00
SEE SHEET 7

PROJECT NO. 20-0205		CLIENT :		KENDALL COUNTY HIGHWAY DEPARTMENT 6780 ROUTE 47 YORKVILLE, IL 60560 630-553-7616		TITLE :		PLETCHER DRIVE DRAINAGE IMPROVEMENTS	
DATE : 02/12/21		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		NO.		DSGN.	JLB
DRAWING NO. RM1		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		1		DWN.	JLB
SHEET		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		2		CHKD.	VDP
6 OF 30		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		3		SCALE : AS SHOWN	
		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		4		NATURE OF REVISION	
		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		5			
		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		6			
		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		7			
		WBK engineering		116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		8			

PLOT DATE : 2/6/2021
User Name : jk
FILE NAME : W:\Projects\2020\200205 Pletcher-Rd\Pl\Lead\Civil\Dgn\Sh\200205-RM2.dgn



MATCH LINE STA. 106+00
SEE SHEET 6



NOTE 1: PRIVATE GARDEN REMOVAL TO BE CONSIDERED INCIDENTAL TO THE COST OF EARTH EXCAVATION.

MATCH LINE STA. 111+00
SEE SHEET 8

TITLE :		PLETCHER DRIVE		DRAINAGE IMPROVEMENTS		EXISTING CONDITIONS &		REMOVAL PLAN	
NO.	DATE	DSGN.	JLB	DWN.	JLB	CHKD.	VDP	SCALE : AS SHOWN	NATURE OF REVISION
1									
2									
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4									
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8									

CLIENT :

WBKengineering

WBKENGINEERING LLC

116 WEST MAIN STREET, SUITE 201

ST. CHARLES, ILLINOIS 60174

(630) 443-7755

KENDALL COUNTY

HIGHWAY DEPARTMENT

6780 ROUTE 47

YORKVILLE, IL 60560

630-553-7616

PROJECT NO. 20-0205

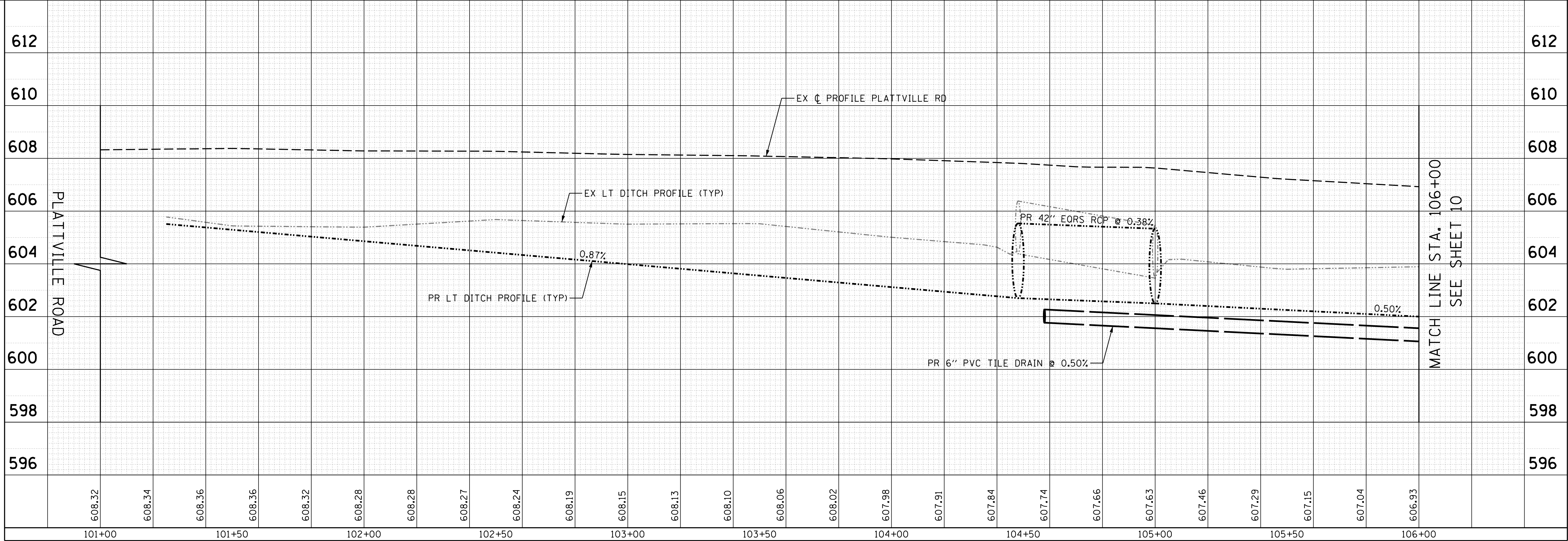
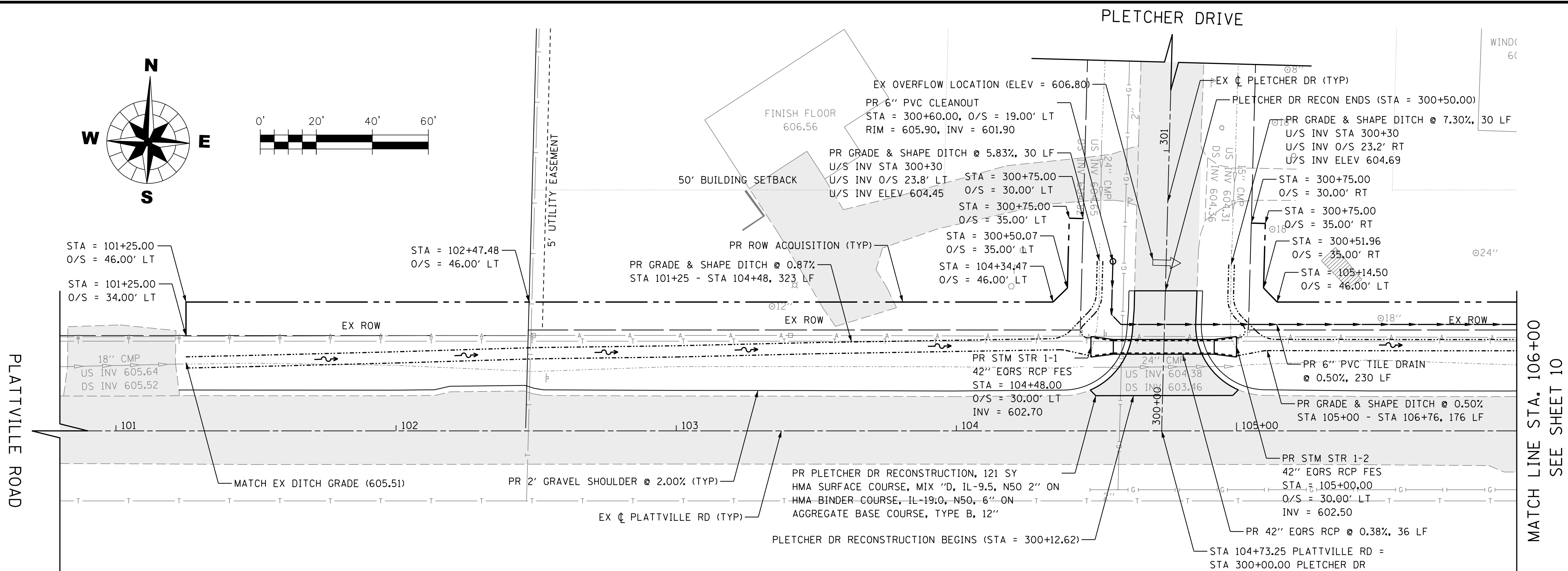
DATE : 02/12/21

DRAWING NO. **RM2**

SHEET

7 OF 30

PLOT DATE : 2/6/2021
USER NAME : jkpenham
FILE NAME : W:\Projects\2020\200205 Pletcher-Rd\Plt\Lead\G:\1\Draw\Sht\200205-PP1.dgn



SECTION NO. 20-00160-00-DR

ISSUED FOR BID

TITLE :		PLETCHER DRIVE		DRAINAGE IMPROVEMENTS		SITE PLAN & PROFILE	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
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4		5		6		7	
5		6		7		8	
6		7		8			
7		8					
8							

CLIENT :

KENDALL COUNTY
HIGHWAY DEPARTMENT
6780 ROUTE 47
YORKVILLE, IL 60560
630-553-7616

WBK engineering

WBKENGINEERING LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

PROJECT NO. 20-0205

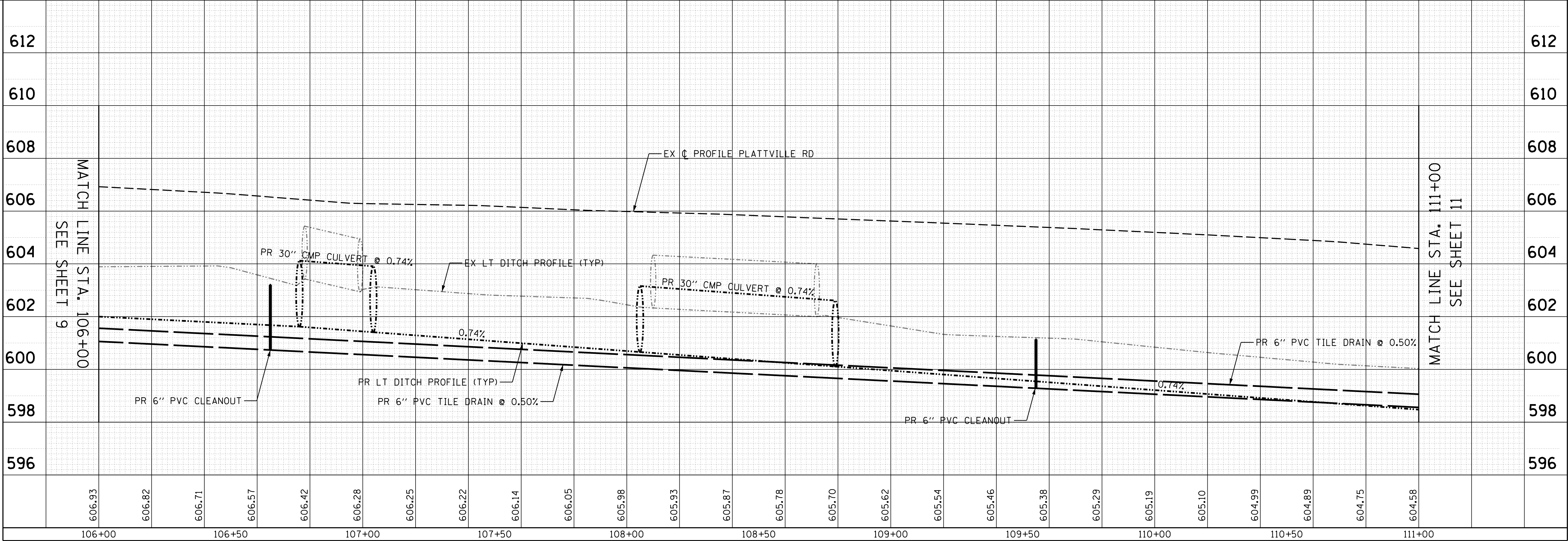
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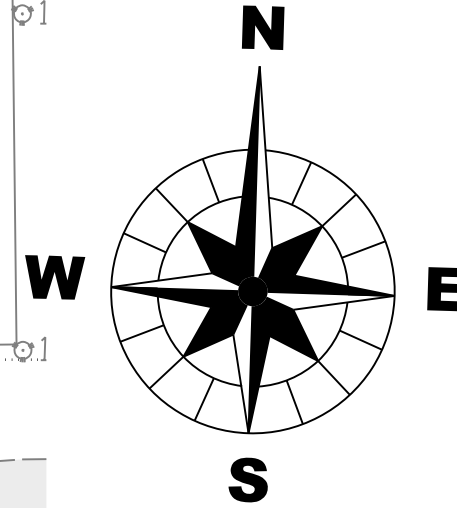
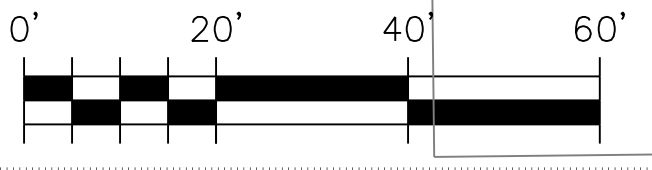
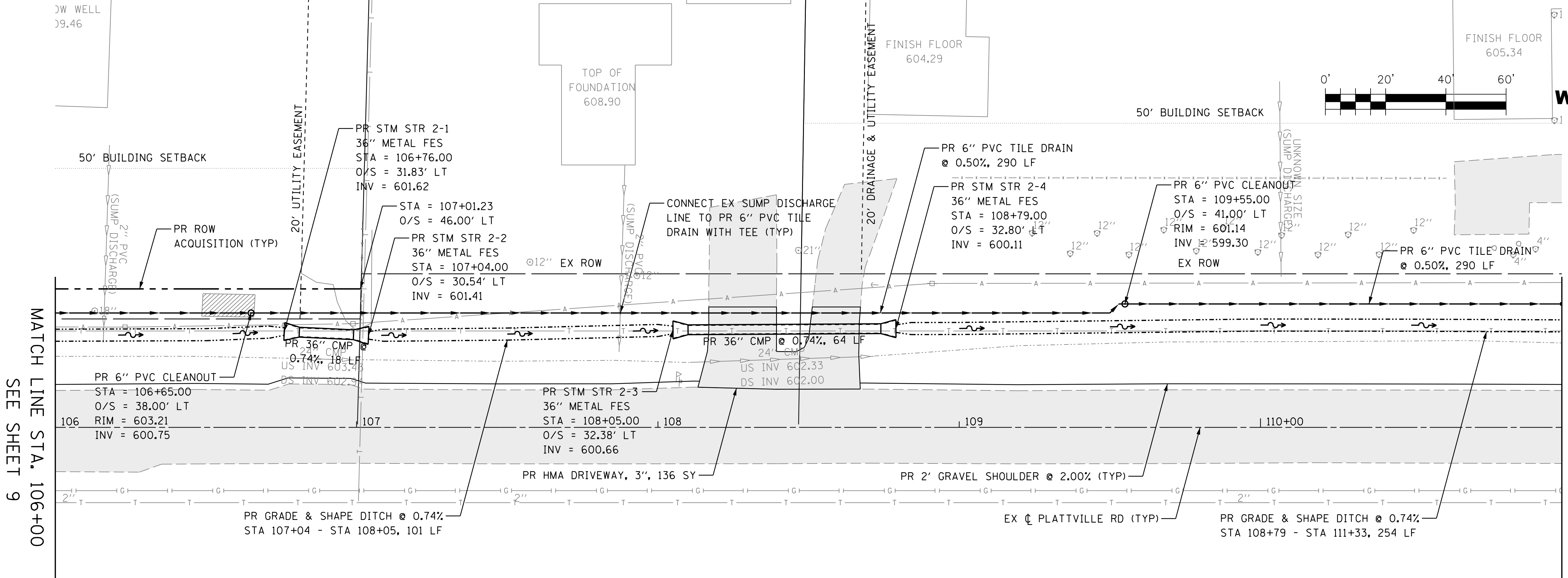
9 OF 30

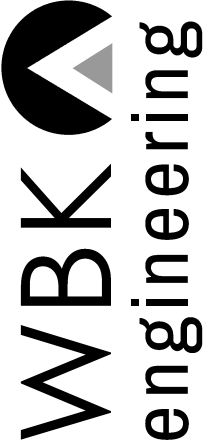
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MATCH LINE STA. 106+00
SEE SHEET 9

MATCH LINE STA. 111+00
SEE SHEET 11



PROJECT NO. 20-0205		
DATE : 02/12/21		
DRAWING NO. PP2		
SHEET		
10 OF 30		
CLIENT : KENDALL COUNTY HIGHWAY DEPARTMENT 6780 ROUTE 47 YORKVILLE, IL 60560 630-553-7616		
WBK  engineering WBKENGINEERING LLC 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		
TITLE : PLETCHER DRIVE DRAINAGE IMPROVEMENTS		
SITE PLAN & PROFILE		
NO.	DATE	NATURE OF REVISION
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DWN.	JLB	
CHKD.	VDP	
SCALE : AS SHOWN		

PLOT DATE : 2/6/2021
USER NAME : kperhem
FILE NAME : W:\Projects\2020\2005 Pletcher-RdPhl\cadd\G.w\1\Dgn\Sht\200205-SW.dgn

STORM WATER POLLUTION PREVENTION PLAN (SWPPP):
PLETCHER DRIVE DRAINAGE IMPROVEMENTS

THIS STORMWATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THE PERMIT IS ISSUED AND EFFECTIVE FROM AUGUST 3, 2018 AND IT EXPIRES ON JULY 31, 2023. THE PLAN CONSISTS OF THE SWPPP NARRATIVE AND NOTES, THE SWPPP PLAN SHEETS, INCLUDING ON AND OFF-SITE CONTROLS AND THE SWPPP DETAILS. THIS PLAN IS ONLY COMPLETE WHEN THE COMPONENT PARTS ARE INCLUDED.

1. SITE DESCRIPTION:

- A. THE WORK UNDER THIS CONTRACT WILL BE COMPLETED WITHIN THE RIGHT-OF-WAY FOR PLATTVILLE ROAD AND PLETCHER DRIVE.
- B. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF THE MAJOR ACTIVITIES WHICH WILL DISTURB SOIL FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:
- INSTALL PREVENTATIVE EROSION CONTROL MEASURES INCLUDING ROCK CHECK DAM AT DOWNSTREAM SITE OUTLET AND TREE PROTECTION FENCING.
 - INSTALL NEW STORM SEWER AND DRIVEWAY/ROADWAY CULVERT IMPROVEMENTS.
 - INSTALL NEW ROCK OUTLET PROTECTION.
 - EXCAVATE, GRADE AND SHAPE NEW DITCHES. INSTALL PIPE UNDERDRAIN SYSTEM AND PLACE TEMPORARY DITCH CHECKS CONCURRENTLY.
 - REPLACE CONCRETE COMBINATION CURB AND GUTTER.
 - REPLACE ASPHALT DRIVEWAY/ROADWAY PAVEMENTS.
 - RESTORE ALL AREAS OF DISTURBANCE WITH TOPSOIL, SEED, AND EROSION CONTROL BLANKET.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES FROM THE SITE.
- C. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.0 ACRES. THE TOTAL AREA OF THE SITE THAT IS ESTIMATED TO BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 1.0 ACRES.
- D. THE ESTIMATED RUNOFF COEFFICIENT FOR THE PROJECT IS 0.3 FOR EXISTING CONDITIONS AND 0.3 FOR THE PROPOSED PROJECT.
- E. A SITE MAP INDICATING DRAINAGE PATTERNS, APPROXIMATE SLOPES, VEHICLE ENTRANCES AND EXITS, CONTROLS FOR PREVENTION OF OFFSITE SEDIMENT TRACKING, AREAS OF SOIL DISTURBANCE, LOCATIONS OF STRUCTURAL AND NONSTRUCTURAL CONTROLS, LOCATIONS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, LOCATIONS OF STOCKPILES OR MATERIAL STORAGE, SURFACE WATERS (INCLUDING WETLANDS), AND LOCATIONS WHERE STORM WATER IS DISCHARGED INTO SURFACE WATER IS INCLUDED ON SHEET EC1.
- F. THE SITE DRAINS BY CHANNELIZED DITCH FLOW INTO A STORM SEWER WHICH IS DIRECTLY TRIBUTARY TO AUX SABLE CREEK. THERE ARE 0.0 ACRES OF WETLANDS ONSITE.

2. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE VARIOUS CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN 1.B ABOVE. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. EACH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO AND ARE A PART OF THIS PLAN. THE SOIL EROSION AND SEDIMENT CONTROL PLAN DRAWINGS INCLUDED, DEFINE THE SIZE AND LOCATION OF THE MEASURES TO BE INSTALLED DURING THE CONSTRUCTION OF THIS PROJECT.

- A. SOIL EROSION AND SEDIMENT CONTROLS
- STABILIZATION PRACTICES:
PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. A RECORD OF THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE, AND WHEN STABILIZATION MEASURES ARE INITIATED ARE INCLUDED IN THE PLAN. EXCEPT AS PROVIDED IN 2.A.a AND 2.B, STABILIZATION MEASURES SHALL BE PERFORMED ON A DAILY BASIS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. 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 STABILIZATION WORK IN AN AREA. WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE. DESCRIPTION OF STABILIZATION PRACTICES:
 - DUST CONTROL WILL BE ACCOMPLISHED USING WATERING TRUCKS AS DIRECTED BY THE ENGINEER.
 - SEDIMENT TRACK-OUT WILL BE CONTROLLED THROUGH SWEEPING, SHOVELING, OR VACUUMING PAVED SURFACES OUTSIDE OF THE SITE BY THE END OF THE SAME BUSINESS DAY IN WHICH THE TRACK-OUT OCCURS.
 - TEMPORARY SEEDING WILL BE USED TO STABILIZE THE CONSTRUCTION AREAS WHERE THE FINAL GRADE HAS BEEN REACHED BUT CANNOT BE PERMANENTLY STABILIZED DUE TO THE PLANTING SEASON RESTRICTIONS.
 - VEGETATIVE BUFFER STRIPS WILL BE USED WHERE APPLICABLE.
 - STOCKPILES THAT ARE TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL HAVE SOIL EROSION AND SEDIMENT CONTROL PROVIDED. AT A MINIMUM, PERIMETER EROSION BARRIER WILL BE PLACED AROUND THE BOTTOM OF THE STOCKPILE.
 - STOCKPILES THAT ARE TO REMAIN FOR MORE THAN 14 CALENDAR DAYS SHALL RECEIVE TEMPORARY SEED.
 - STRUCTURAL PRACTICES:
PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS, LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. STRUCTURAL PRACTICES WILL BE PLACED ON UPLAND SOILS TO THE DEGREE PRACTICABLE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT:
 - INSTALLATION OF TEMPORARY DITCH CHECKS TO INTERCEPT CHANNELIZED DITCH FLOWS EXITING THE SITE.
 - MAINTENANCE AND PROTECTION OF EXISTING TREES, VEGETATION AND OTHER PLANTINGS.
 - SUMP PIT FOR DEWATERING SITE AS NEEDED.
- B. STORM WATER MANAGEMENT
PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL THE POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER THE CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.
- THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF TECHNICAL GUIDANCE CONTAINED IN THE IEPA'S ILLINOIS URBAN MANUAL AND OTHER ORDINANCES LISTED IN THE SPECIFICATIONS. THE STORM WATER POLLUTANT CONTROL MEASURES SHALL INCLUDE:
 - ROCK OUTLET PROTECTION
 - PIPE UNDERDRAIN SYSTEM
 - VEGETATED CHANNELS

- PERMANENT SEEDING WITH EROSION CONTROL BLANKET
- VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL, PHYSICAL, AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (I.E., MAINTENANCE OF HYDROLOGIC CONDITIONS, SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES). STORM WATER MANAGEMENT CONTROL INCLUDES:
 - ROCK OUTLET PROTECTION
 - VEGETATED CHANNELS
- C. OTHER CONTROLS
- NON HAZARDOUS WASTE DISPOSAL: THE SOLID WASTE MATERIALS INCLUDING TRASH, CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS WILL BE COLLECTED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON-SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS SHALL BE DISCHARGED INTO WATERS OF THE U.S., EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
 - HAZARDOUS WASTE STORAGE & DISPOSAL: SHALL CONFORM TO THE IDOT SPECIAL PROVISION AND BE IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
 - SANITARY WASTE DISPOSAL: THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH THE APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS. THE CONTRACTOR SHALL NOT CREATE OR ALLOW UNSANITARY CONDITIONS. SEPARATE AUTHORIZATION IS REQUIRED FOR INSTALLATION OF SANITARY SEWER OR SEPTIC SYSTEMS.
 - OFF-SITE VEHICLE TRACKING: EACH SITE SHALL HAVE ONE OR MORE STABILIZED CONSTRUCTION ENTRANCES IN CONFORMANCE WITH THE PLAN DETAILS. WHERE THE CONTRACTOR'S EQUIPMENT IS OPERATED ON ANY PORTION OF THE TRAVELED SURFACE OR STRUCTURES USED BY TRAFFIC ON OR ADJACENT TO THE PROJECT, THE CONTRACTOR SHALL CLEAN (NOT FLUSHING OF) THE TRAVELED SURFACE OF ALL DIRT AND DEBRIS AT THE END OF EACH DAY'S OPERATIONS OR MORE FREQUENTLY IF DIRECTED BY THE ENGINEER.
 - DEWATERING DEVICES: IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM SOIL EROSION. ALL PUMPED DISCHARGES SHALL BE ROUTED THROUGH A SUMP PIT INTO A SEDIMENT BASIN. ALL SUMPED DISCHARGES TO WATERS OF THE US SHALL BE PERMITTED BY THE USACE.
 - SITE CLEANUP: TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM THE DISPOSITION OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER SOIL EROSION AND SEDIMENTATION.
 - TREATMENT CHEMICALS: POLYMER FLOCCULANTS OR TREATMENT CHEMICALS SHALL BE USED FOR REDUCING TURBIDITY IN STORM WATER RUNOFF AND MINIMIZING EROSION. ALL TREATMENT CHEMICALS SHALL BE STORED IN AREAS WHERE THEY WILL NOT BE EXPOSED TO PRECIPITATION AND WILL ONLY BE USED BY STAFF WHO ARE PROPERLY TRAINED.
- D. APPROVED COUNTY, STATE & LOCAL PLANS:
THE MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE CURRENT VERSION OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S *ILLINO*

CONTROL MEASURE GROUP	CONTROL MEASURE	APPL.	KEY	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERM.
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	✗	(TS)	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	✗	
	PERMANENT SEEDING	✗	(PS)	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.		✗
	DORMANT SEEDING	✗	(DS)	SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.		✗
	SODDING		(SO)	QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP. CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.		
	PLANTS, TREES, & SHRUBS		(GC)	PROVIDES GROUND COVER. SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		
NON VEGETATIVE SOIL COVER	MULCHING		(M)	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.		
	EROSION CONTROL BLANKET	✗	(EB)	PROTECTS AND PRESERVES MOISTURE FOR PERMANENT SEEDING ON STEEP SLOPES. AREAS OF PERIODIC CONCENTRATED RUNOFF (DITCHES) OR IN AREAS THAT MAY BE DAMAGED BY PEDESTRIAN TRAFFIC.	✗	
	AGGREGATE COVER		(AG)	PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.		
	PAVING		(P)	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		
DIVERSIONS	RIDGE DIVERSION		(RD)	TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.		
	CHANNEL DIVERSION		(CD)	TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.		
	COMBINATION DIVERSION		(DC)	TYPICALLY USED ANYWHERE ON A SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.		
	CURB AND GUTTER		(CG)	SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		
	BENCHES		(B)	SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
	COFFERDAM		(CD)	STRUCTURAL DIVERSION OF WATER FOR CONSTRUCTION IN FLOWING WATER.		
WATERWAYS	BARE CHANNEL		(BC)	PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIONAL AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.		
	STRUCTURAL STREAMBANK STABILIZATION		(SSS)	PROTECTS STREAMBANKS FROM EROSION FORCE OF FLOWING WATER.		
	VEGETATIVE CHANNEL	✗	(VC)	PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.		✗
	VEGETATIVE STREAMBANK STABILIZATION		(VS)	PROTECTS STREAMBANKS FROM EROSION FORCE OF FLOWING WATER AND PROVIDES NATURAL, PLEASING APPEARANCE.		
	LINED CHANNEL		(LC)	USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.		
	DITCH CHECKS	✗	(SDC)	USED IN DITCHES TO RETARD THE VELOCITY OF WATER IN A DITCH TO MINIMIZE SOIL EROSION PRIOR TO THE DITCH BEING VEGETATED.	✗	
ENCLOSED DRAINAGE	STORM SEWER		(ST)	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		
	UNDERDRAIN	✗	(UD)	USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.		✗
SPILLWAYS	STRAIGHT PIPE SPILLWAY		(SS)	USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER.		
	DROP INLET SPILLWAY		(DIS)	SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		
	WEIR SPILLWAY		(W)	USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.		
	BOX INLET WEIR SPILLWAY		(BS)	SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
OUTLETS	LINED APRON		(LA)	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN		(ES)	USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.		
	EXCAVATED SEDIMENT BASIN		(XS)	USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.		
	COMBINATION SEDIMENT BASIN		(CS)	USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.		
SEDIMENT FILTERS	BARRIER FILTER		(BF)	USED TO FILTER SEDIMENT FROM RUNOFF.		
	VEGETATIVE FILTER		(VF)	USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	FILTER FABRIC		(FF)	USED FOR ROADWAY CURB INLETS.		
	SILT FENCE		(SF)	USED ALONG DRAINAGE WAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF.		
	POLYMER TREATMENT		(PT)	TREATMENT OF WATER WITH ANIONIC POLYACRYLAMIDE TO CAUSE SEDIMENT FLOCCULATION AND DEPOSITION PRIOR TO DISCHARGE.		
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE		(SE)	PREVENTS MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
	DUST AND TRAFFIC CONTROL	✗	(DT)	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.	✗	

CONSTRUCTION STAGING:
PLETCHER DRIVE DRAINAGE IMPROVEMENTS PROJECT

PRE-CONSTRUCTION

- INSTALL PREVENTATIVE EROSION CONTROL MEASURES INCLUDING ROCK CHECK DAM AT DOWNSTREAM SITE OUTLET AND TREE PROTECTION FENCING.

CONSTRUCTION

1. INSTALL NEW STORM SEWER AND DRIVEWAY/ROADWAY CULVERT IMPROVEMENTS.
2. INSTALL NEW ROCK OUTLET PROTECTION.
3. EXCAVATE, GRADE AND SHAPE NEW DITCHES. INSTALL PIPE UNDERDRAIN SYSTEM AND PLACE TEMPORARY DITCH CHECKS CONCURRENTLY.
4. REPLACE CONCRETE COMBINATION CURB AND GUTTER.
5. REPLACE ASPHALT DRIVEWAY/ROADWAY PAVEMENTS.
6. RESTORE ALL AREAS OF DISTURBANCE WITH TOPSOIL, SEED, AND EROSION CONTROL BLANKET.
7. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES FROM THE SITE.

CONSTRUCTION STAGING NOTES:

THE CONTRACTOR WILL NOT BE ALLOWED TO CLEAR MORE THAN ONE STAGE AT A TIME. 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 AN AREA. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED PRIOR TO STARTING THE NEXT STAGE OF CONSTRUCTION.

WINTER SHUT DOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER TO PROVIDE PROPER SOIL EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET, HEAVY MULCH, OR HYDRO MULCH.

[illegible]

- A. IDOT SEED MIX CLASS 2A 200 LBS/ACRE
- B. INCREASE SEEDING RATES BY 25% WHEN DORMANT SEEDING
- C. SPRING OATS 100 LBS/ACRE
- D. WHEAT OR CEREAL RYE 150 LBS/ACRE.
- E. HYDRAULIC MULCH - 750 LBS AND 1000 GAL OF WATER PER ACRE

INSPECTION AND MAINTENANCE TABLE

ACTIVITY	RESPONSIBLE PARTY	DURATION
MAINTENANCE OF STABILIZATION DURING CONSTRUCTION		DURING CONSTRUCTION AS NEEDED
OBSERVATION OF STABILIZATION DURING CONSTRUCTION		WEEKLY AND W/IN 24 HRS AFTER RAINFALL EVENT OF 0.5" OR GREATER
VEGETATION MAINTENANCE		1 YEAR FROM COMPLETION
VEGETATION AND STABILIZATION MAINTENANCE		ONGOING FROM PROJECT COMPLETION

CONTRACTOR CERTIFICATION

<u>CONTRACTOR CERTIFICATION</u>		
<p>"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION"</p>		
<u>GENERAL CONTRACTOR</u>		
SIGNATURE _____	TITLE _____	DATE _____
COMPANY _____		
<u>SUB-CONTRACTOR</u> RESPONSIBLE FOR: _____		
SIGNATURE _____	TITLE _____	DATE _____
COMPANY _____		
<u>WITNESSED BY OWNER</u>		
SIGNATURE _____	TITLE _____	DATE _____
COMPANY _____		

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL GENERAL AND SPECIAL REQUIREMENTS, CONDITIONS, AND PROVISIONS OR ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS ISSUED FOR THIS PROJECT.

WBK ENGINEERING, LLC IS NOT RESPONSIBLE FOR IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN, INCLUDING MAINTENANCE AND/OR REPAIR OF SOIL EROSION AND SEDIMENT CONTROL MEASURES, OR FOR COMPLIANCE OF THE CONTRACTORS (AND SUB-CONTRACTORS) WITH THE GENERAL NPDES PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

TITLE: PLETCHER DRIVE DRAINAGE IMPROVEMENTS

STORM WATER POLLUTION PREVENTION PLAN

DSGN.	JLB
DWN.	JLB
CHKD.	VDP
SCALE : AS SHOWN	

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	DATE	NATURE OF DEVIATION

**KENDALL COUNTY
HIGHWAY DEPARTMENT
6780 ROUTE 47
YORKVILLE, IL 60560
630-553-7616**

WBKENGINEERING LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

WBK  **engineering**

PROJECT NO. 20-0205

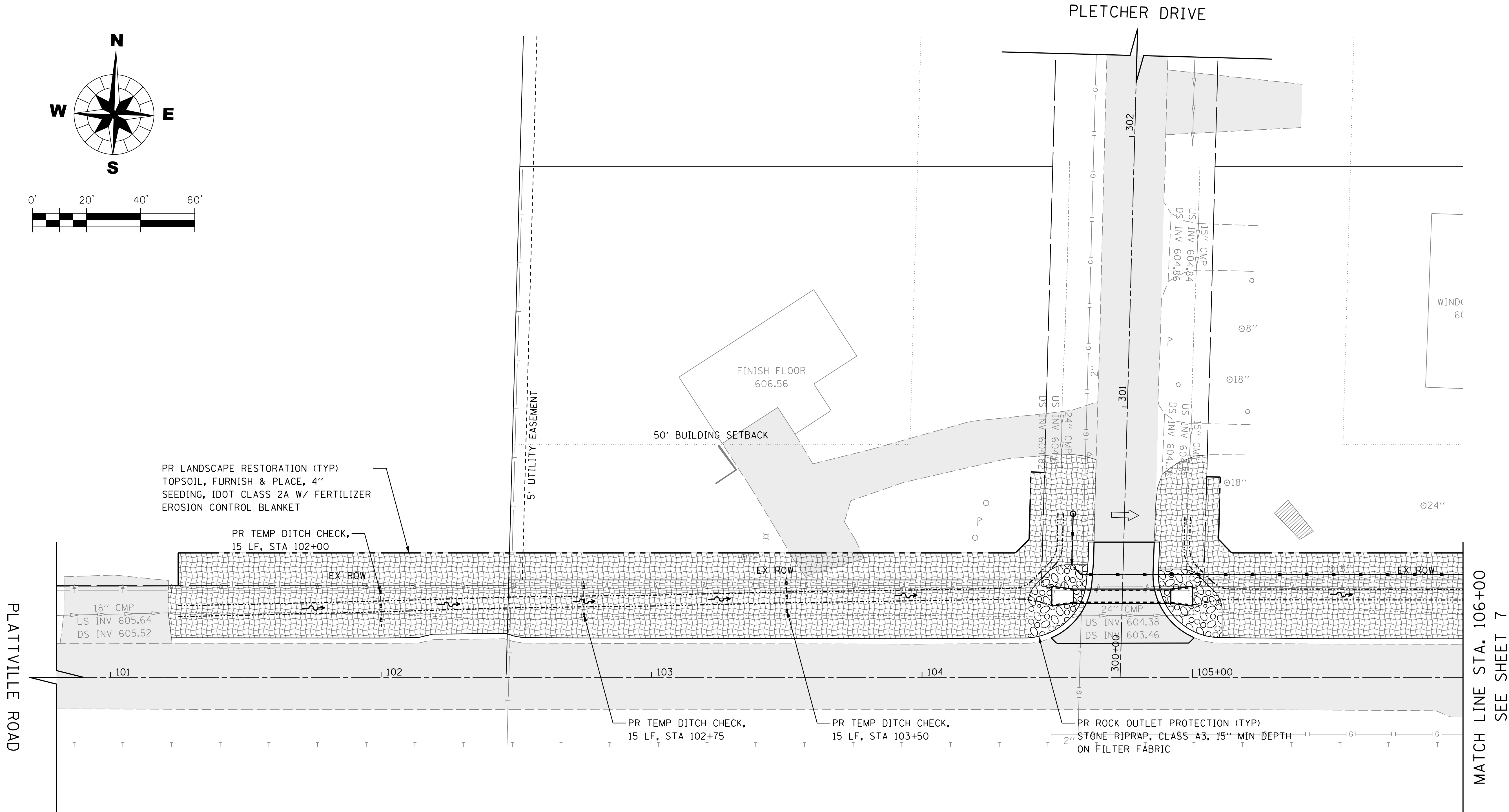
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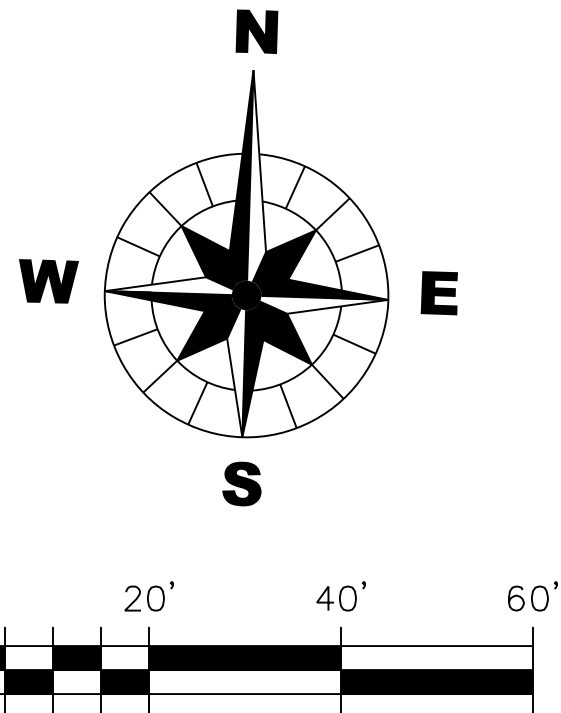
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13 OF 30

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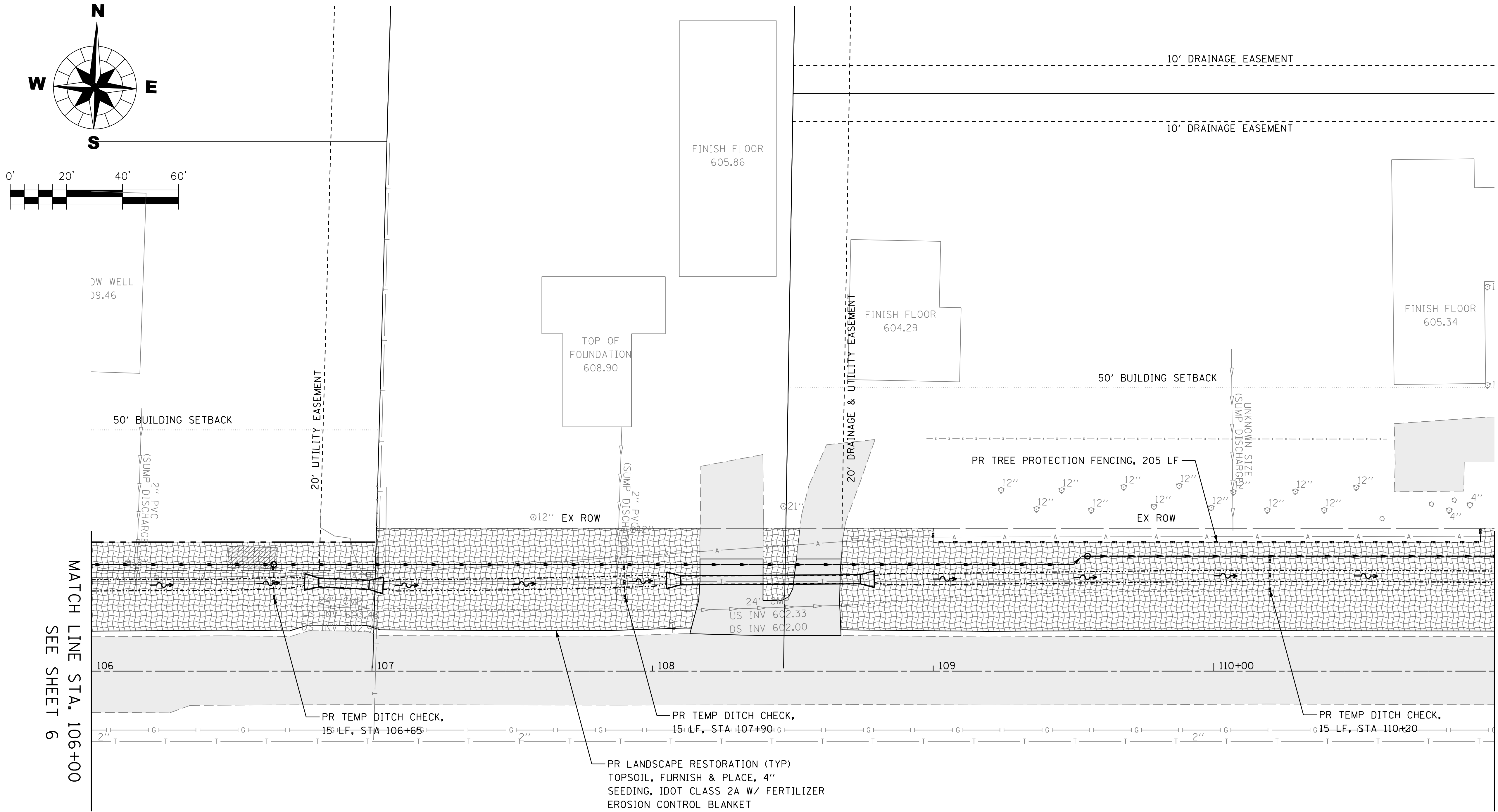


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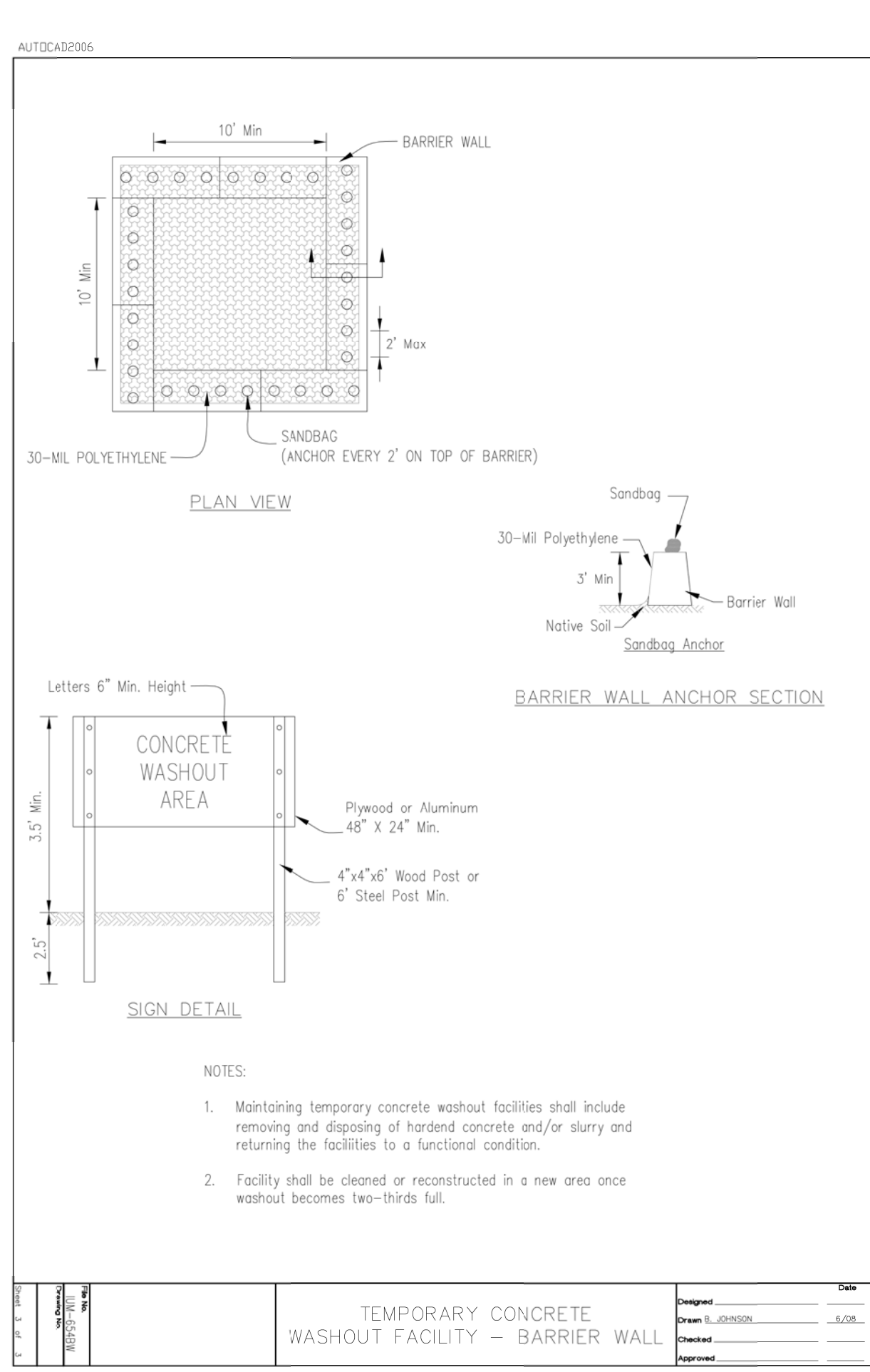
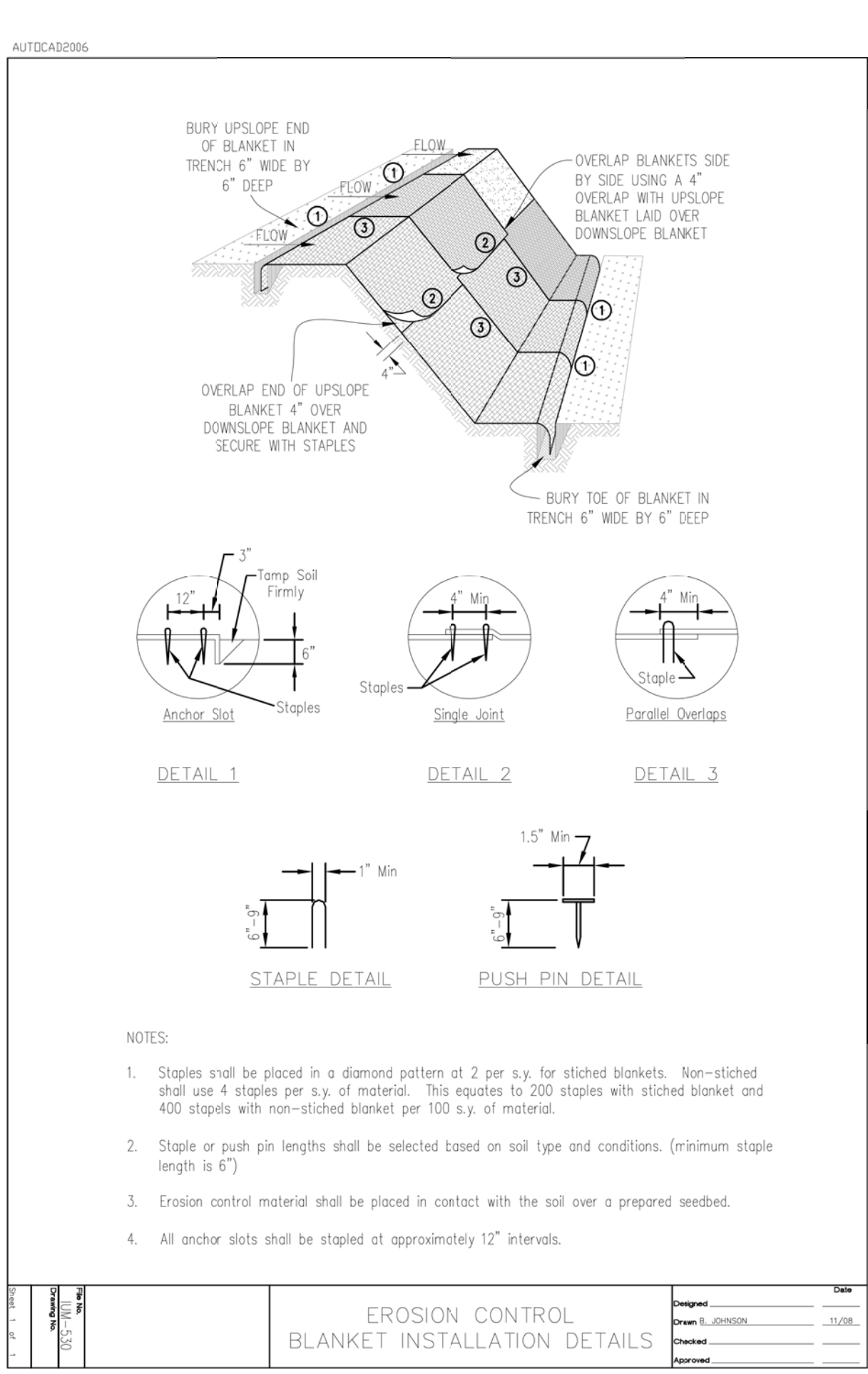
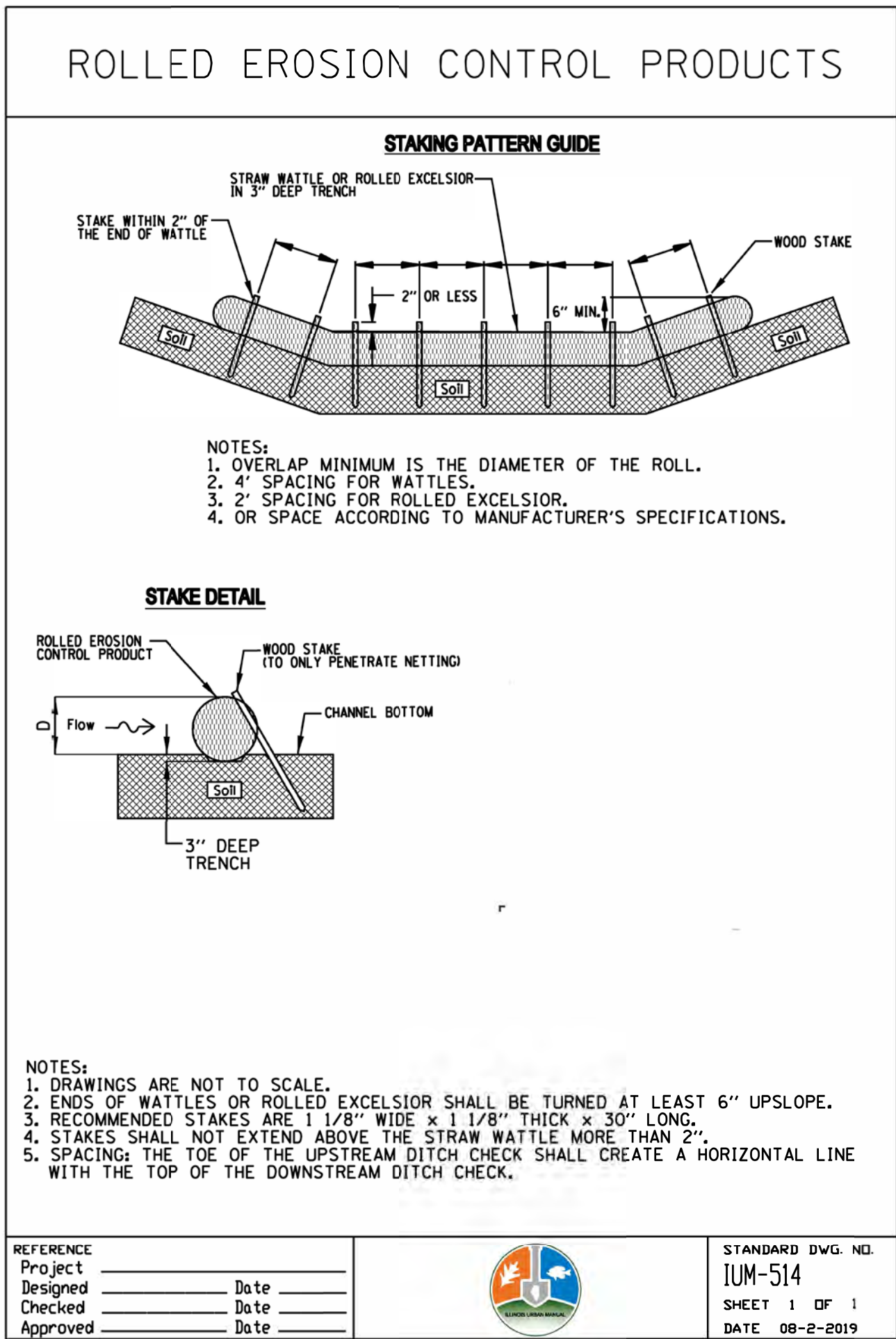
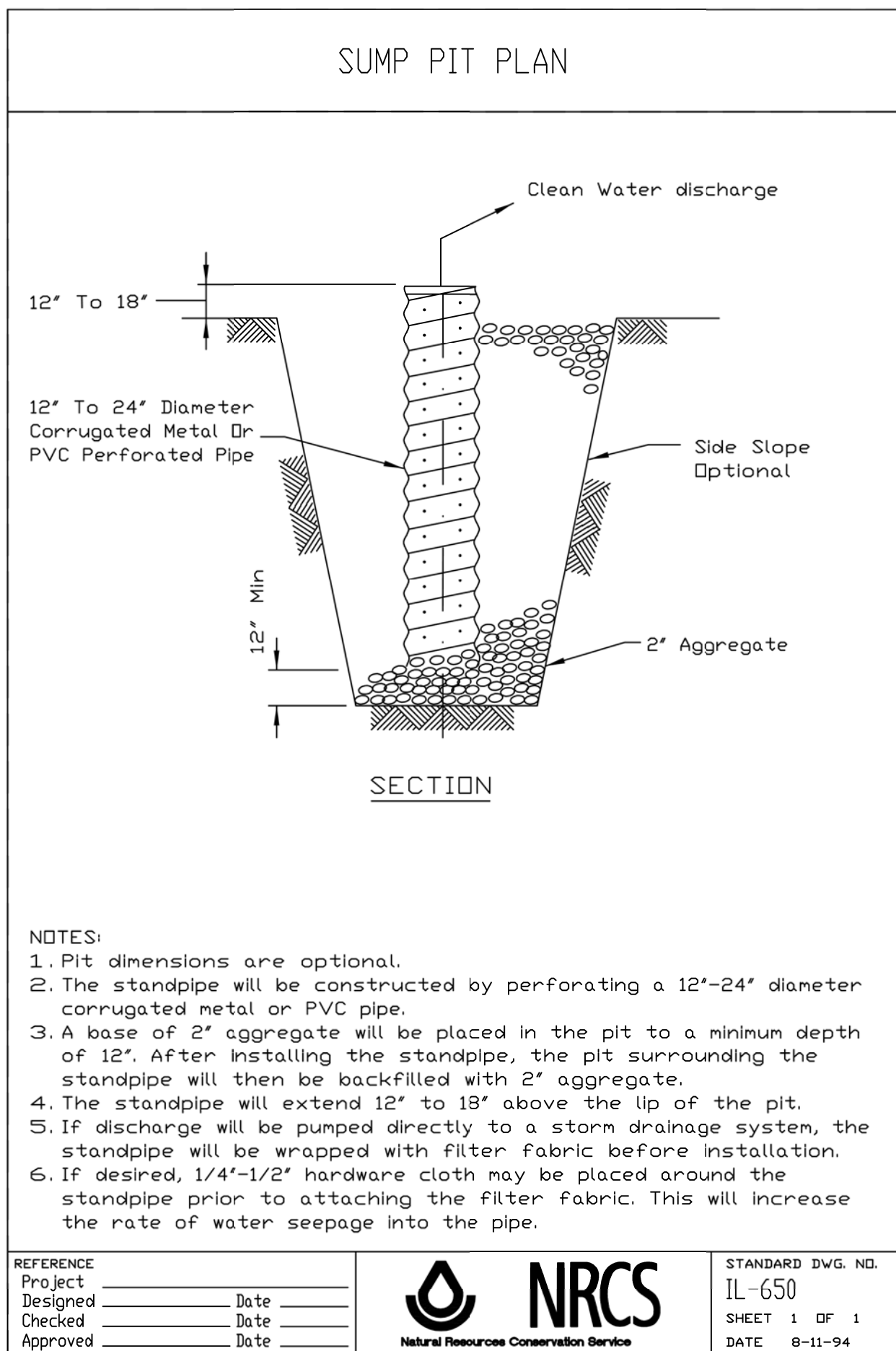
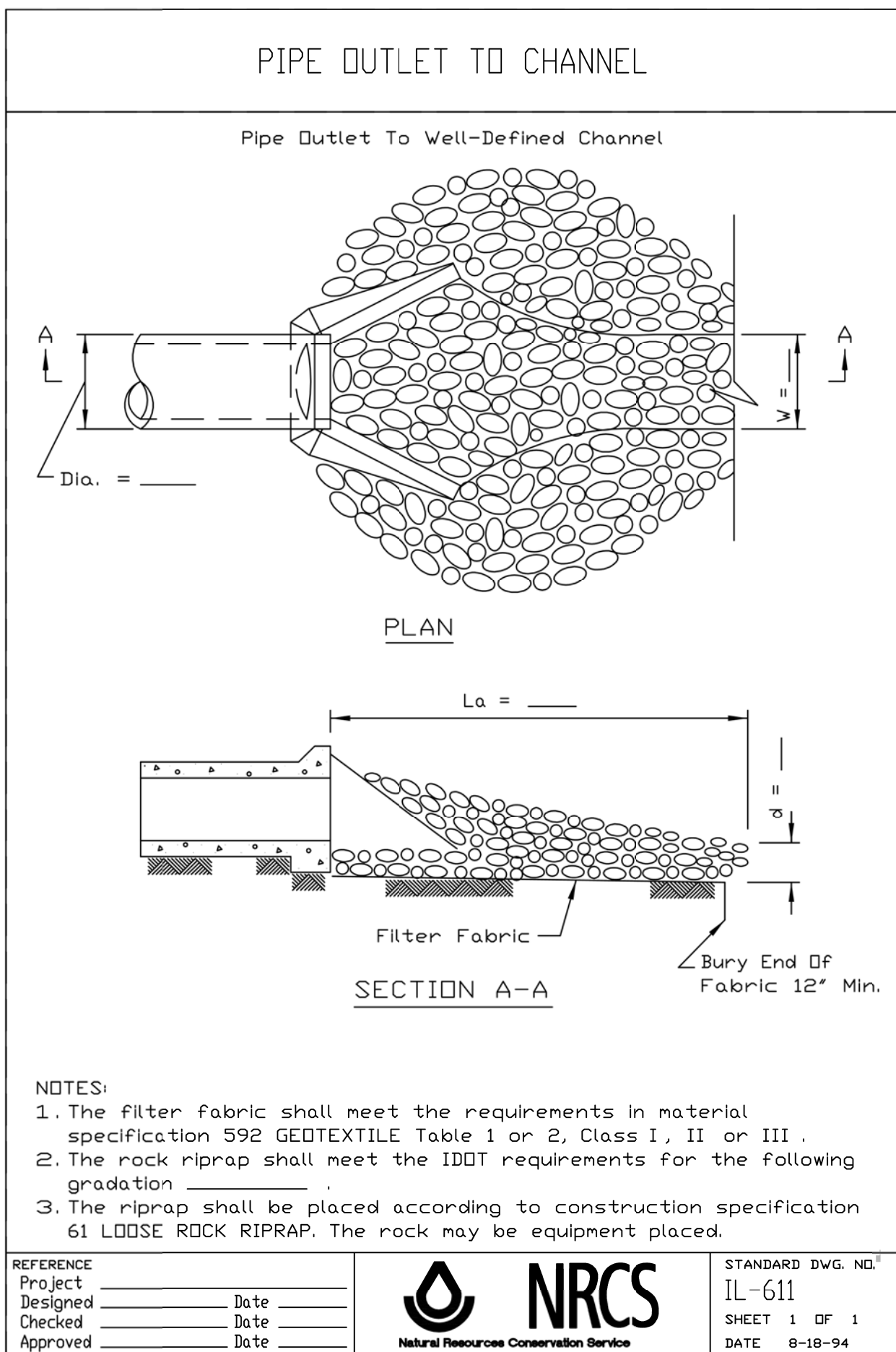
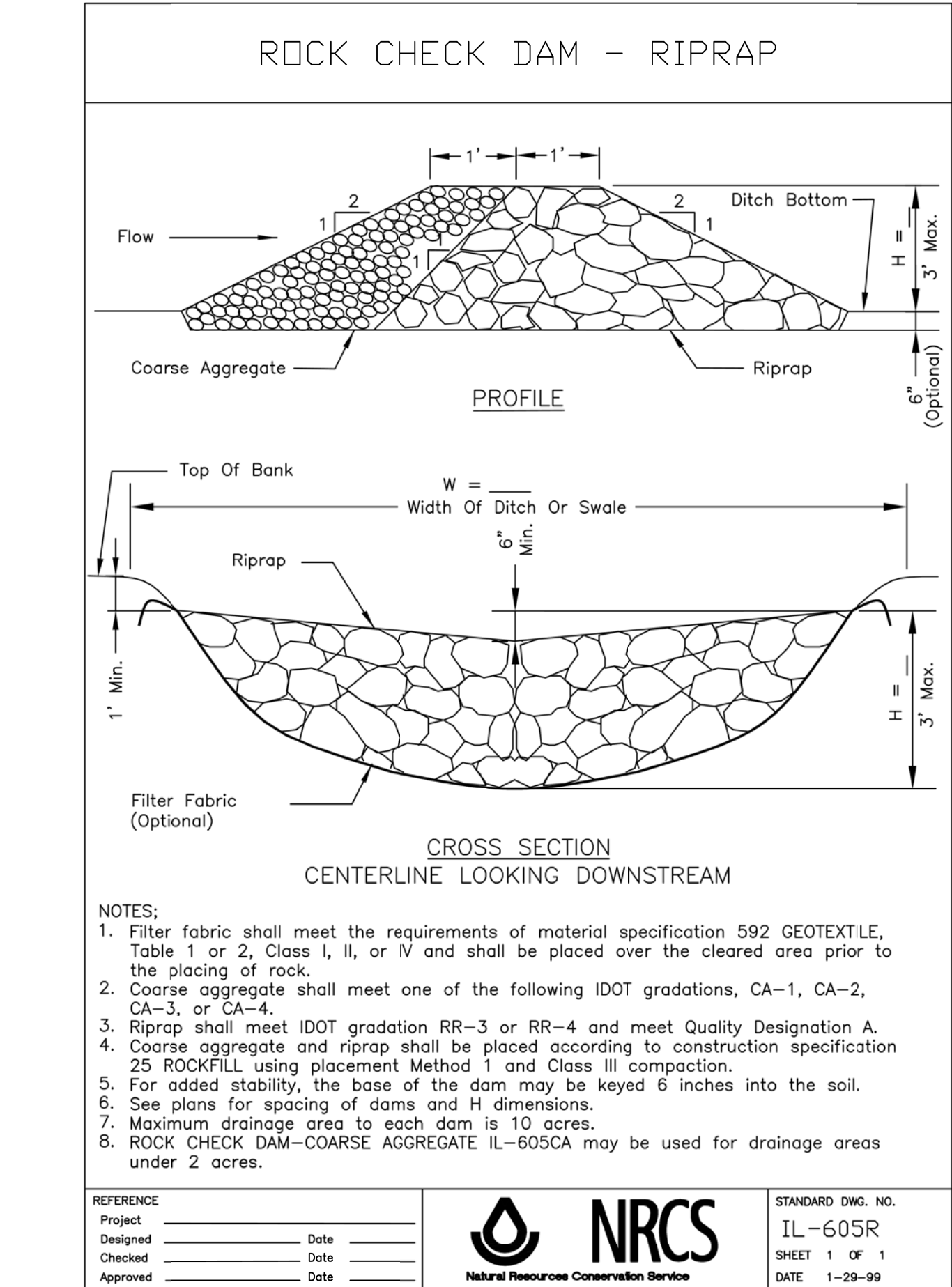
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WBK engineering		WBKENGINEERING LLC 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		CLIENT :		KENDALL COUNTY HIGHWAY DEPARTMENT 6780 ROUTE 47 YORKVILLE, IL 60560 630-553-7616		TITLE :	
DRAINAGE IMPROVEMENTS		EROSION CONTROL & RESTORATION PLAN		DGN.		JLB		JLB	
DWN.		CHKD.		VDP		SCALE : AS SHOWN		NATURE OF REVISION	
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CHKD.		JLB		VDP		VDP			
SCALE :		AS SHOWN		AS SHOWN		AS SHOWN			
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PLETCHER DRIVE DRAINAGE IMPROVEMENTS				EROSION CONTROL DETAILS			
TITLE :	JLB	JLB	VDP	CHKO.	SCALE :	AS SHOWN	NATURE OF REVISION
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KENDALL COUNTY HIGHWAY DEPARTMENT
6780 ROUTE 47
YORKVILLE, IL 60560
630-553-7616

CLIENT :

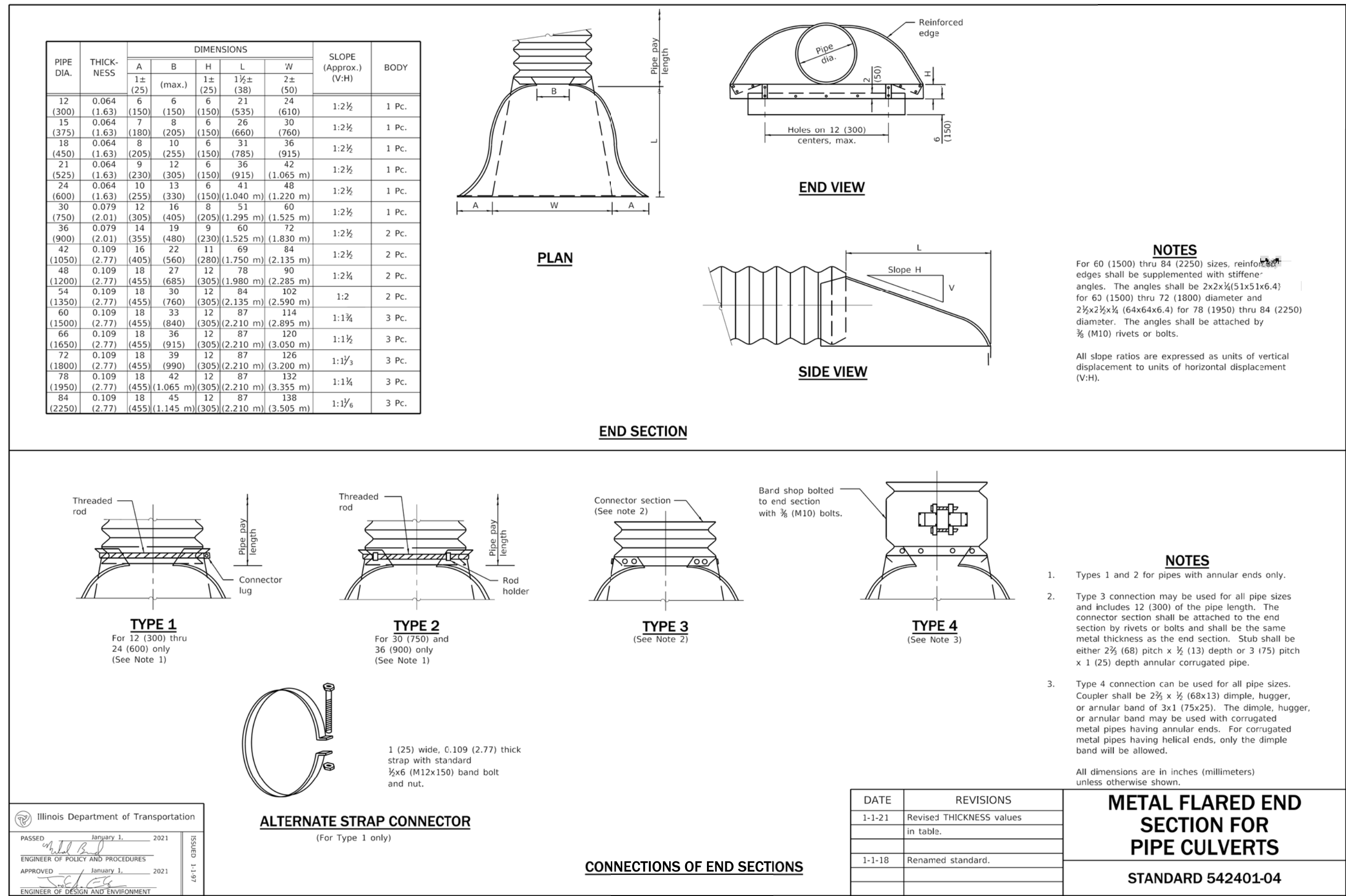
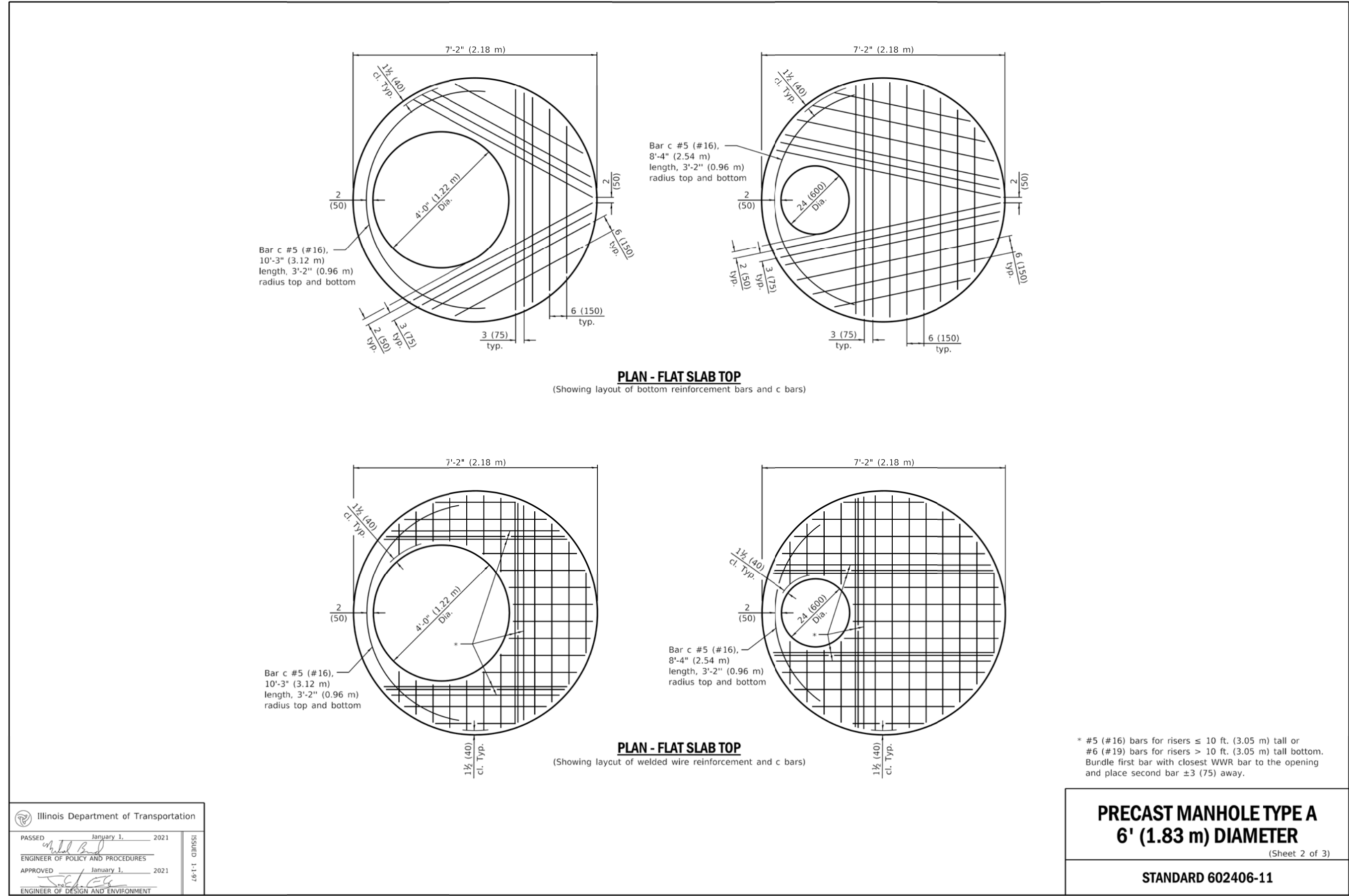
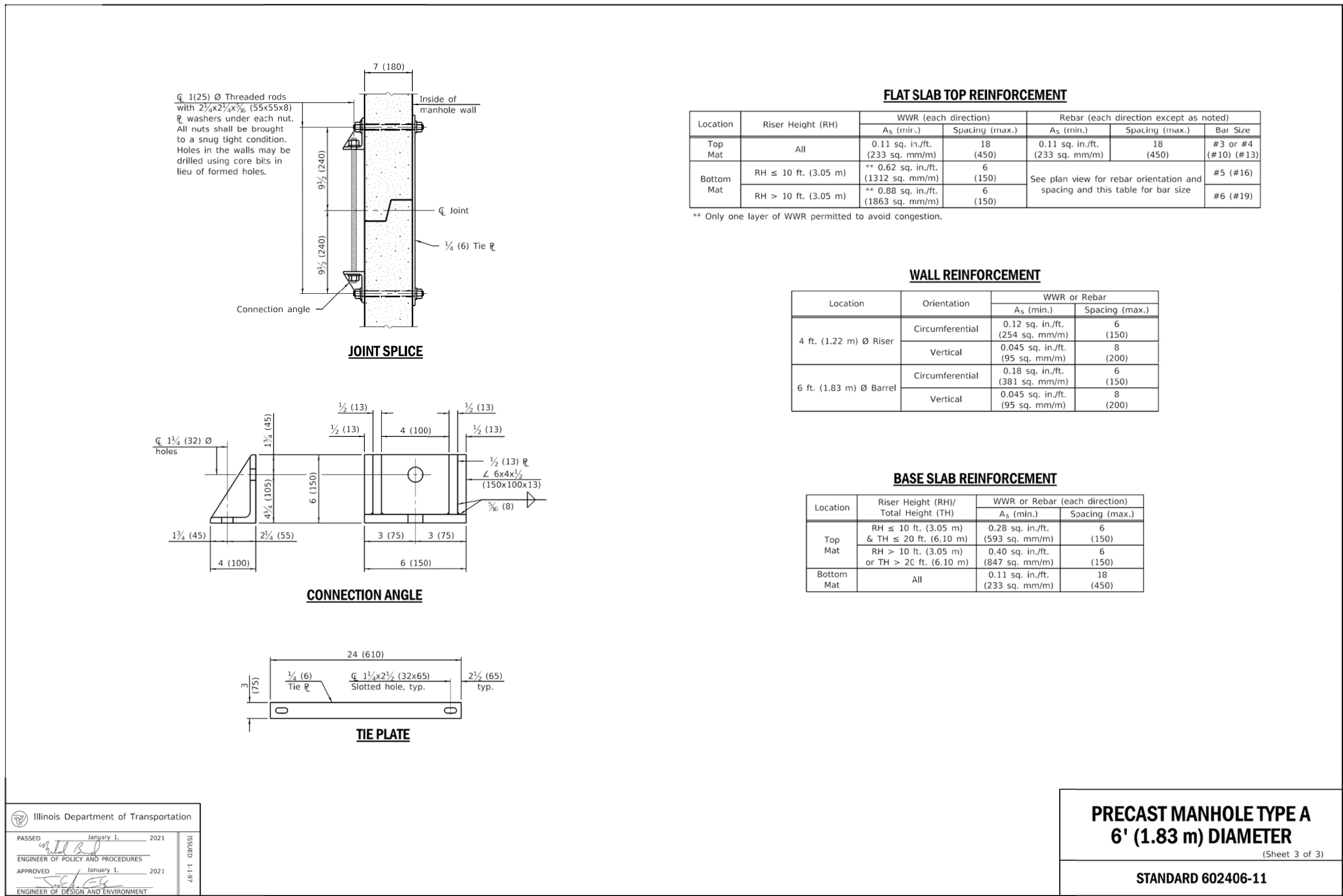
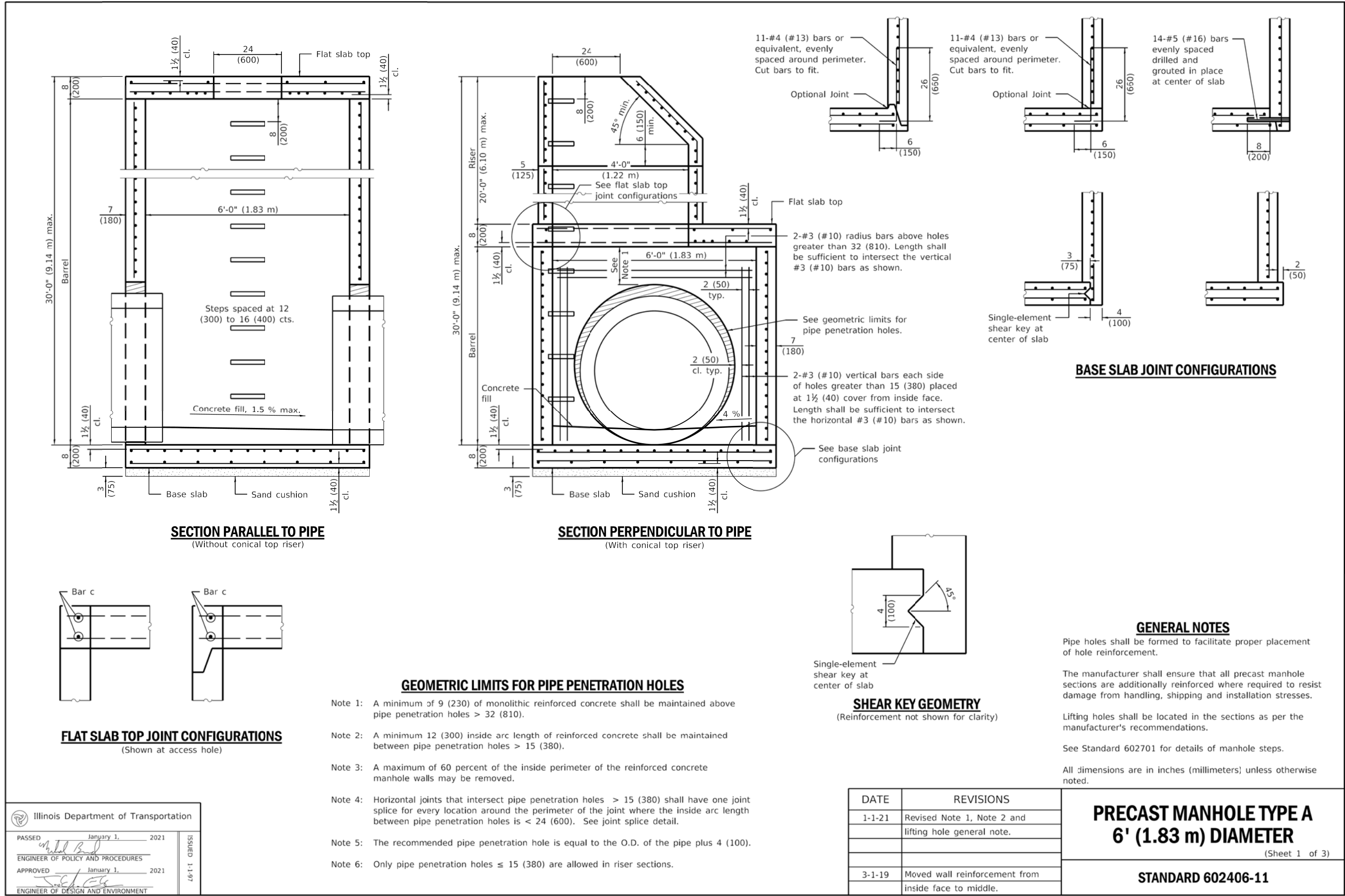
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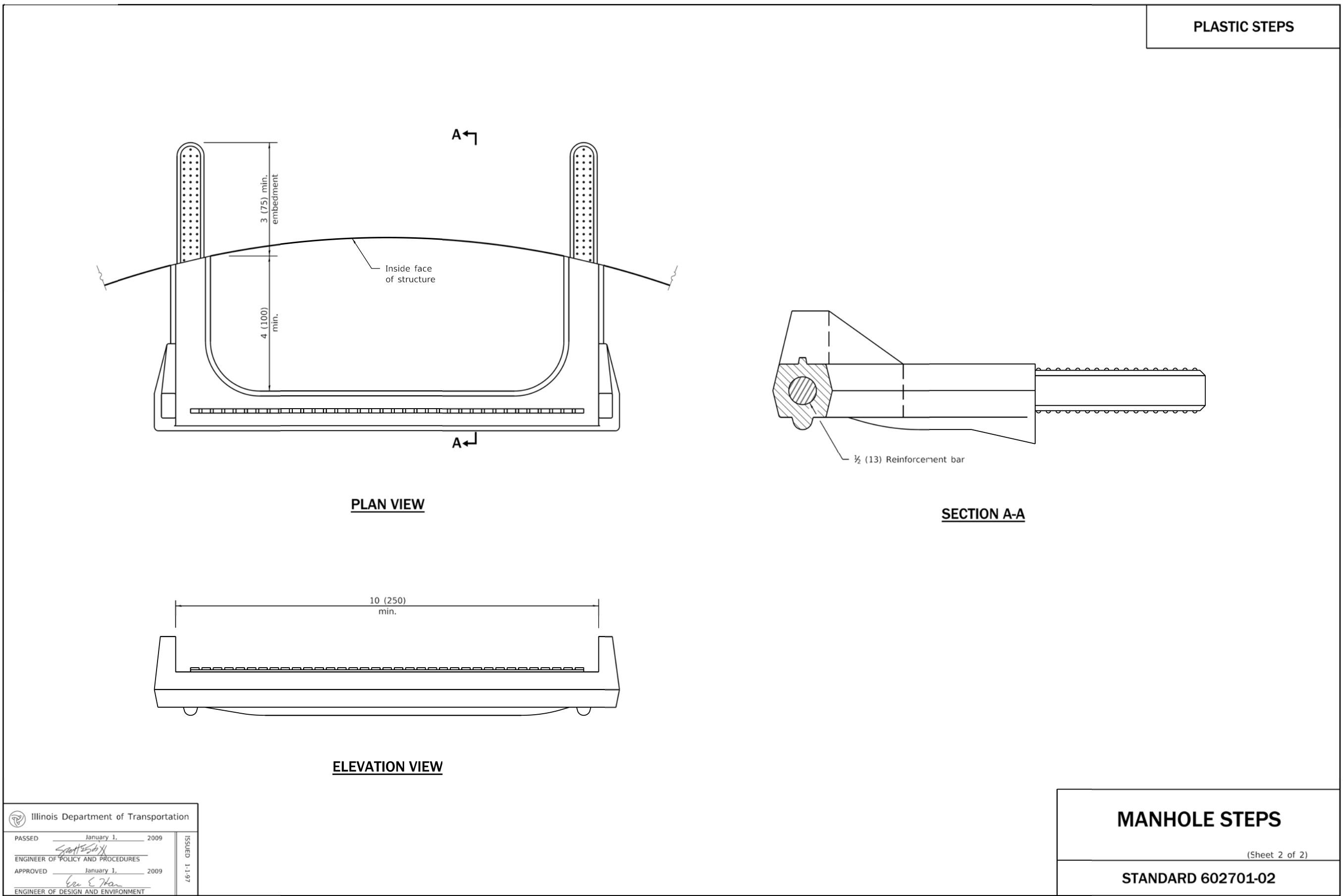
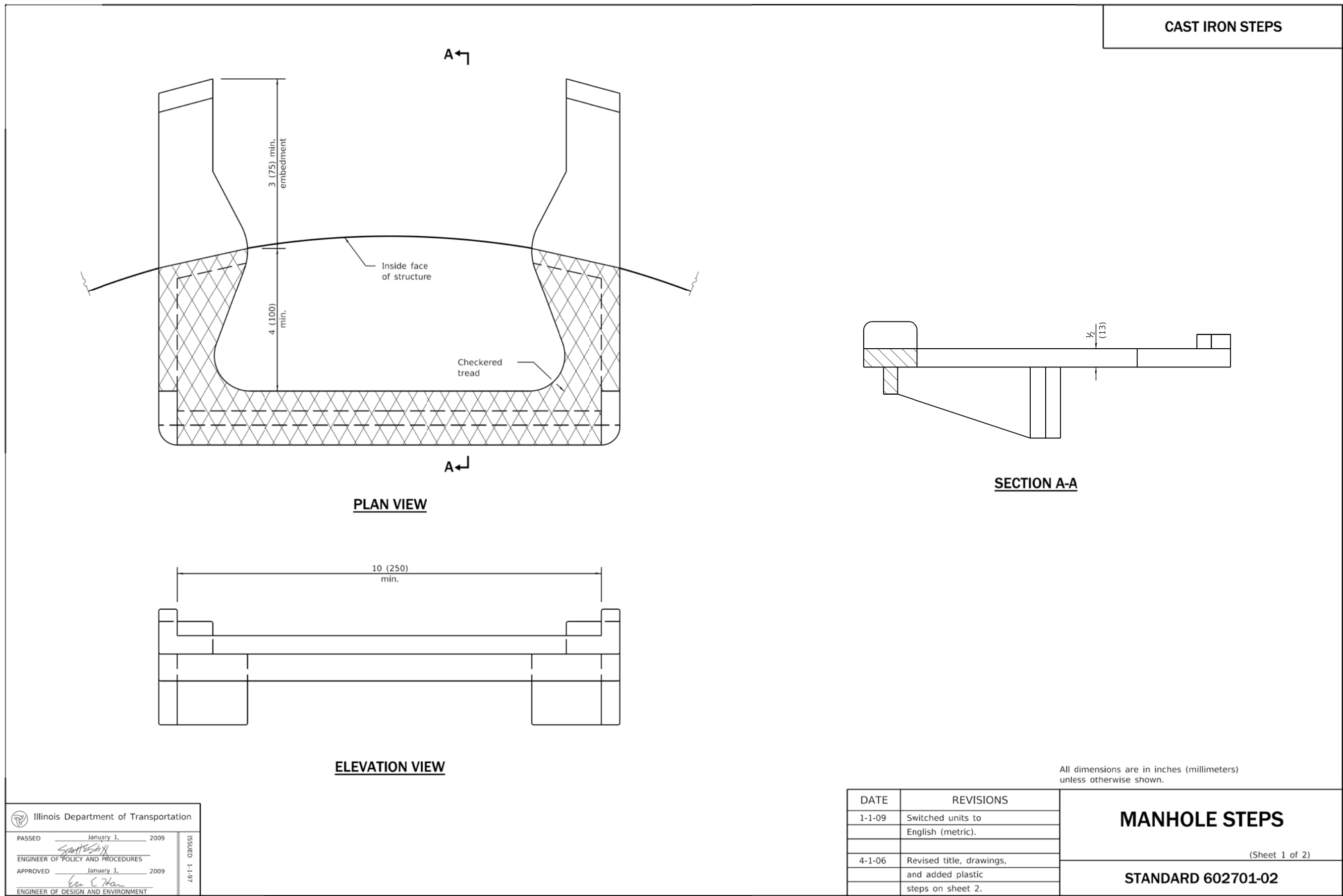
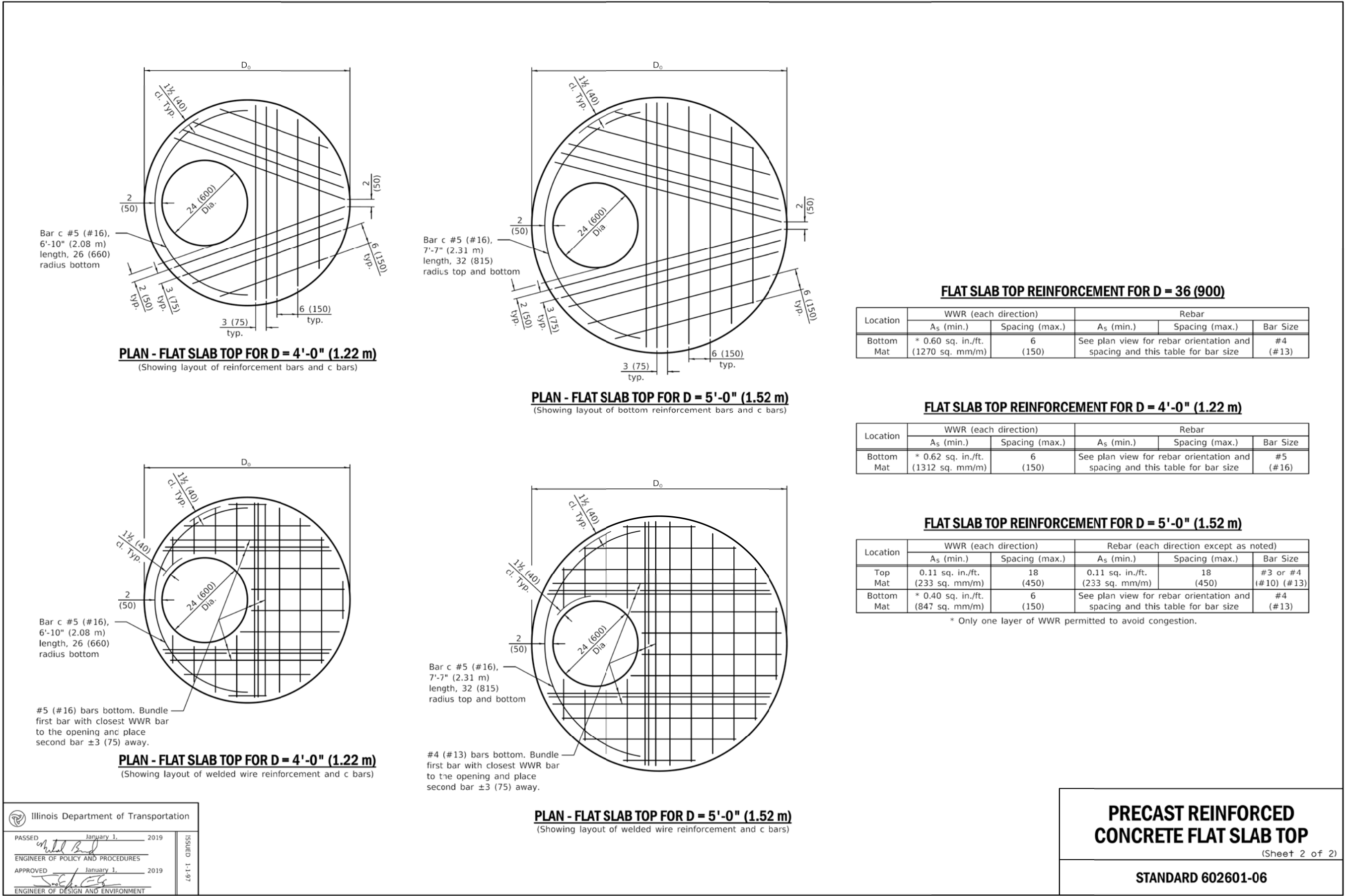
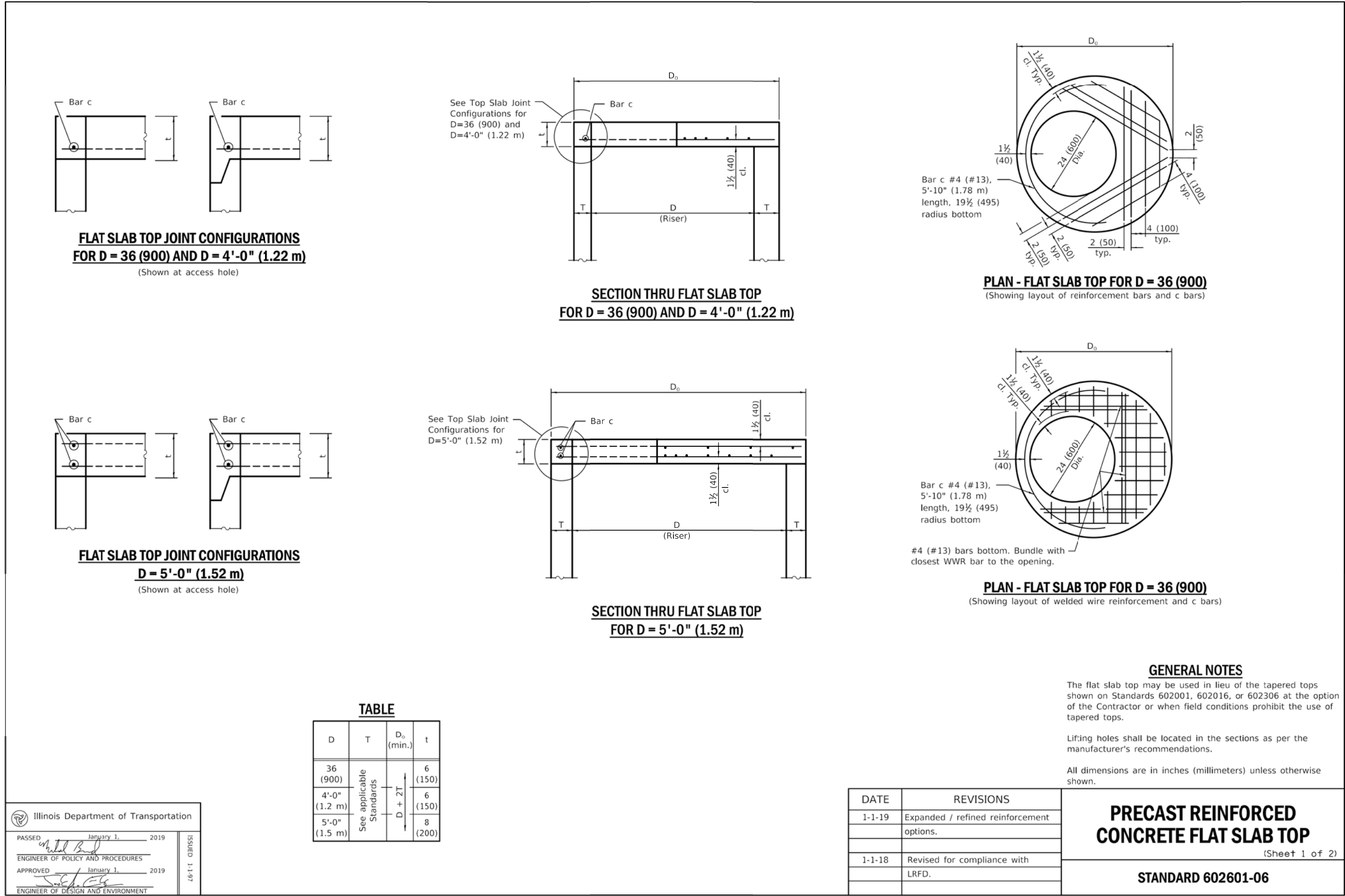
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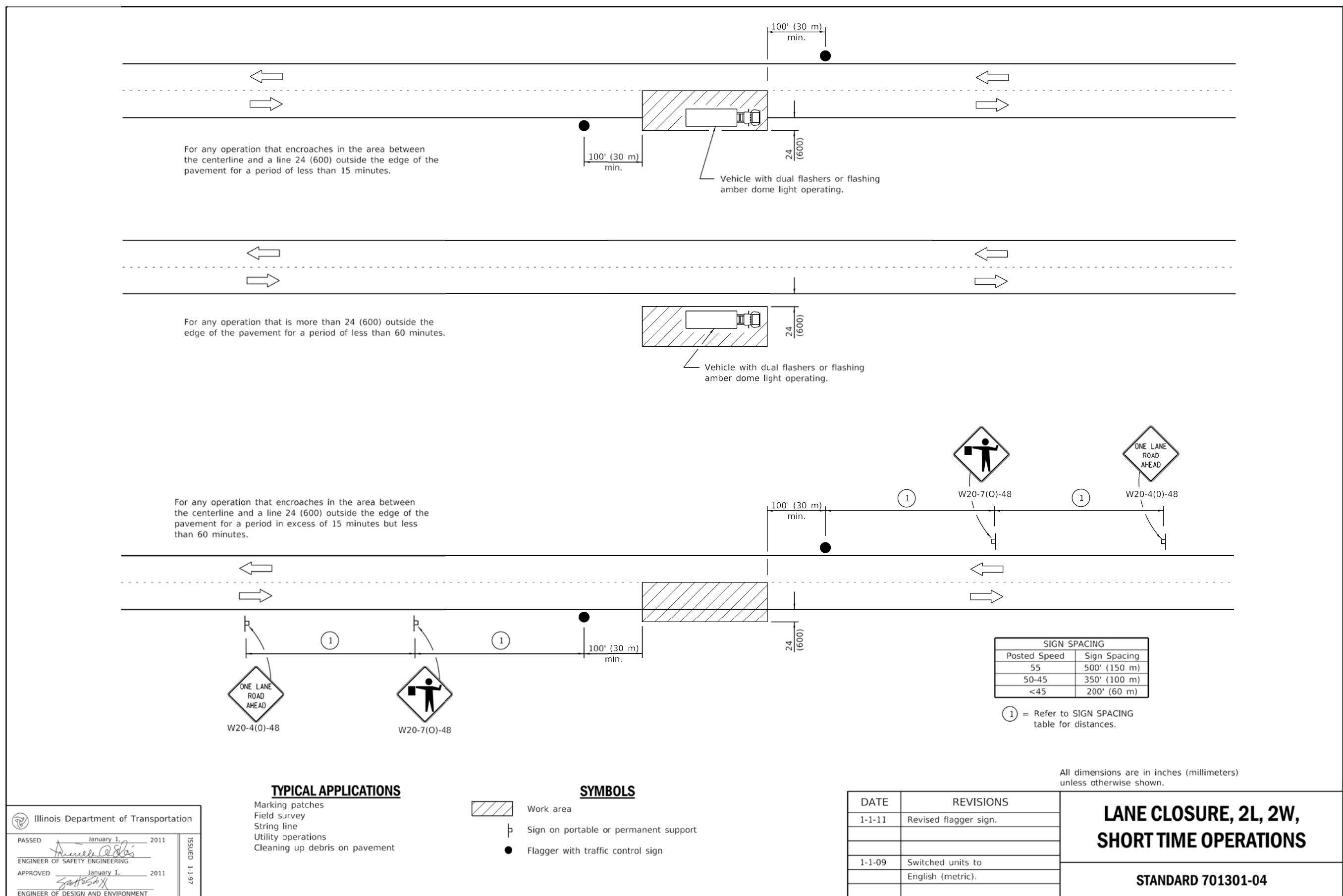
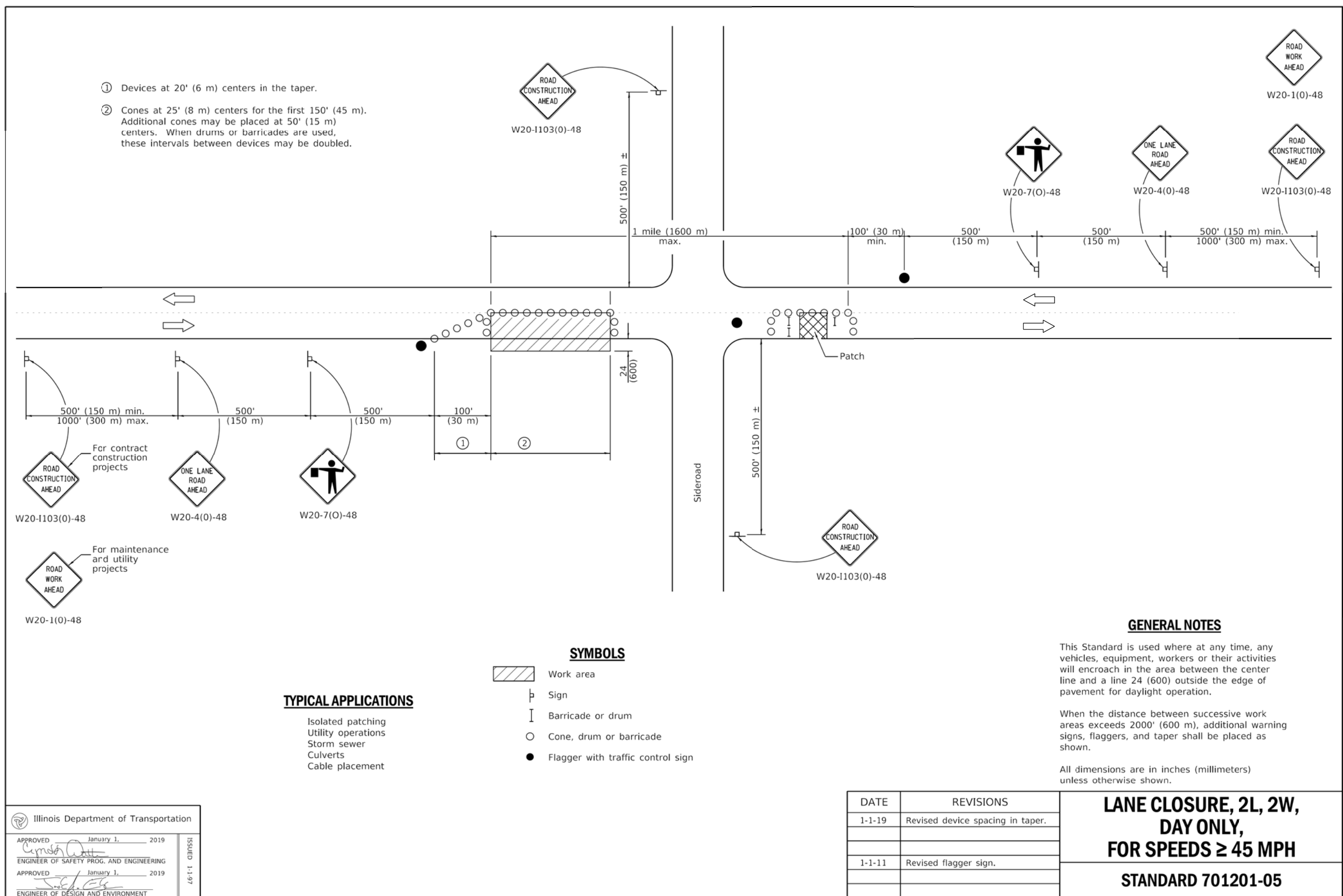
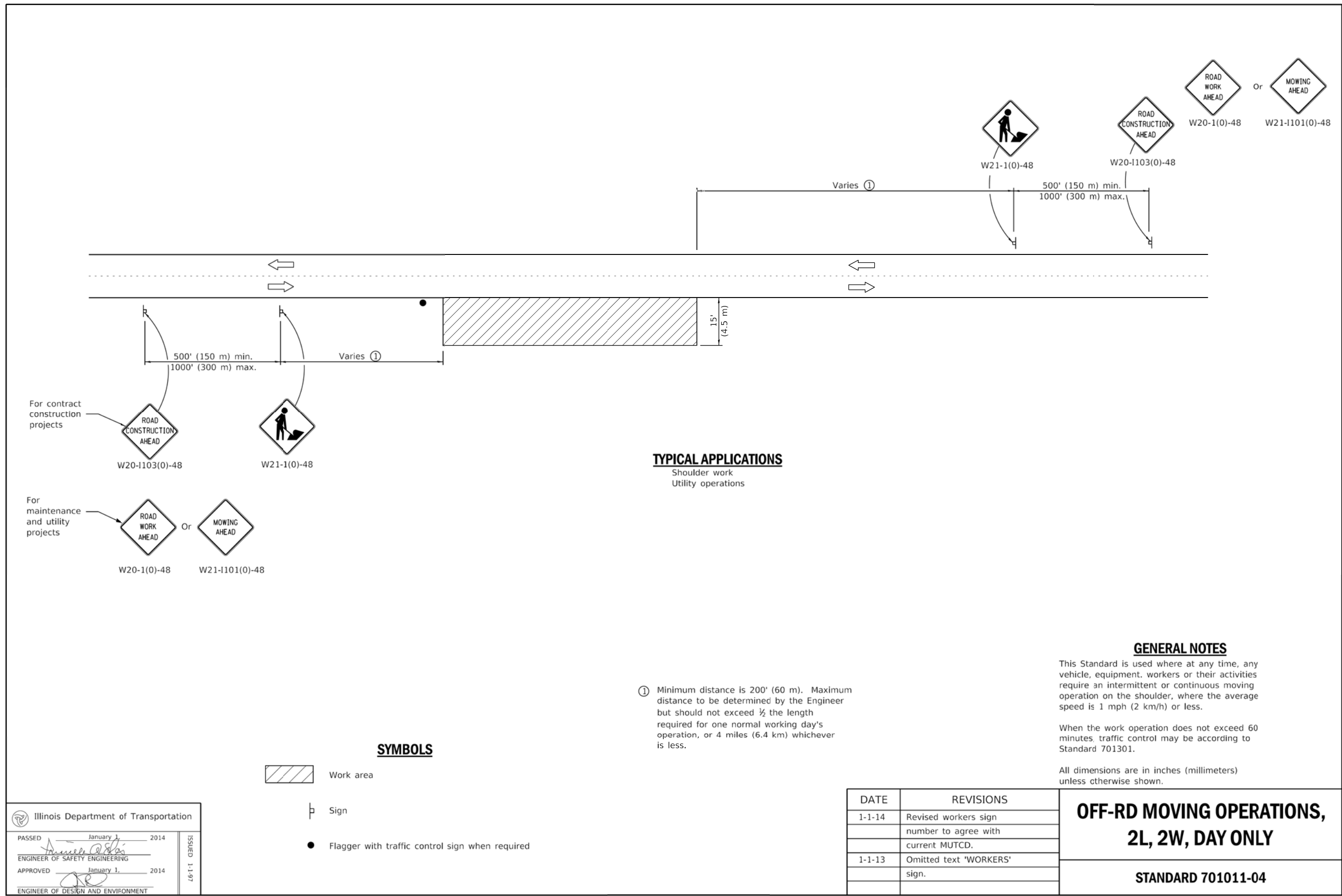
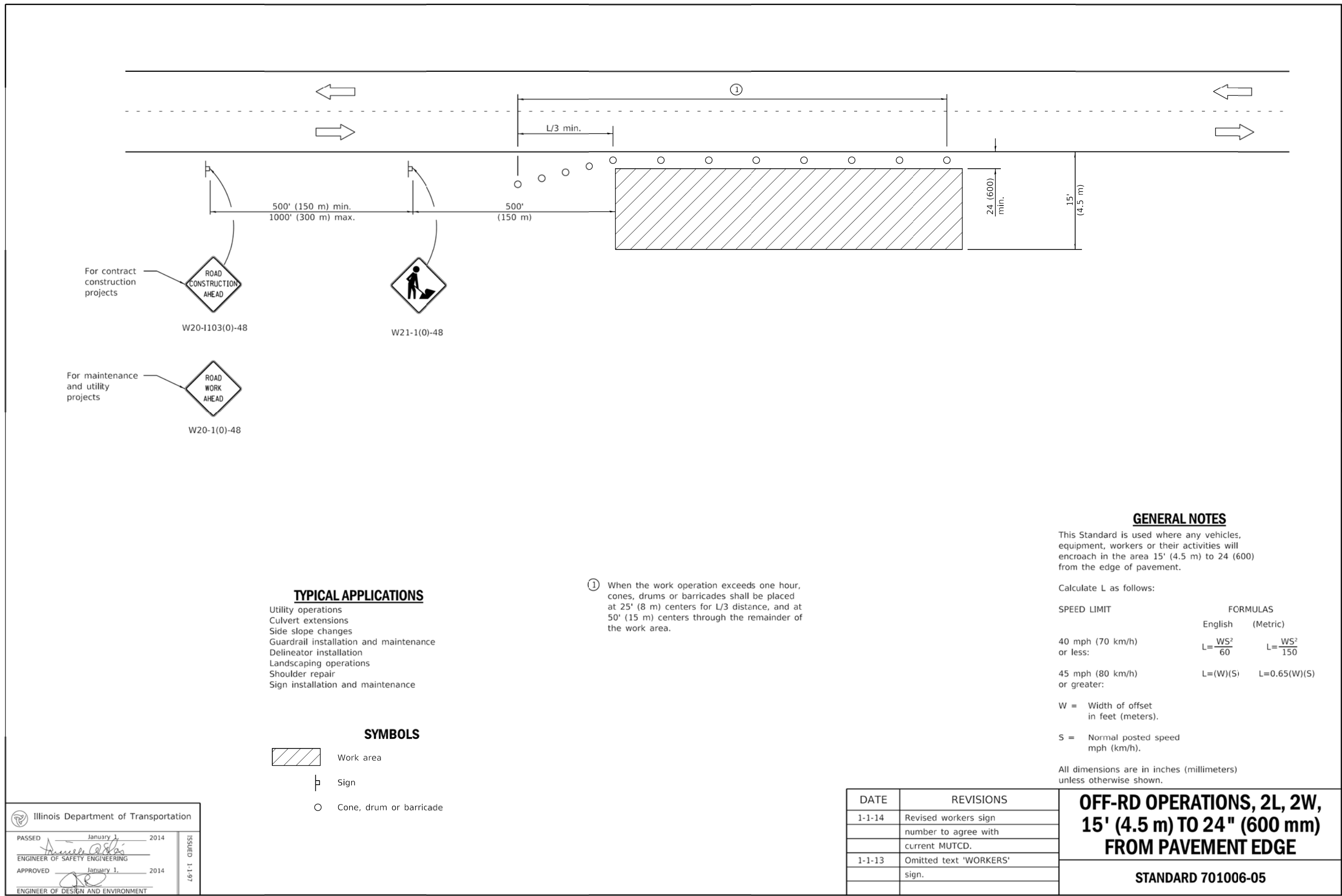


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TITLE : PLETCHER DRIVE DRAINAGE IMPROVEMENTS		PROJECT DETAILS	
JLB	JLB	VDP	SCALE : AS SHOWN
DSGN.	DWN.	CHKD.	NATURE OF REVISION
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CLIENT : KENDALL COUNTY HIGHWAY DEPARTMENT 6780 ROUTE 47 YORKVILLE, IL 60560 630-553-7616			
WBK engineering			
PROJECT NO. 20-0205			
DATE : 02/12/21			
DRAWING NO. DT3			
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20 OF 30			

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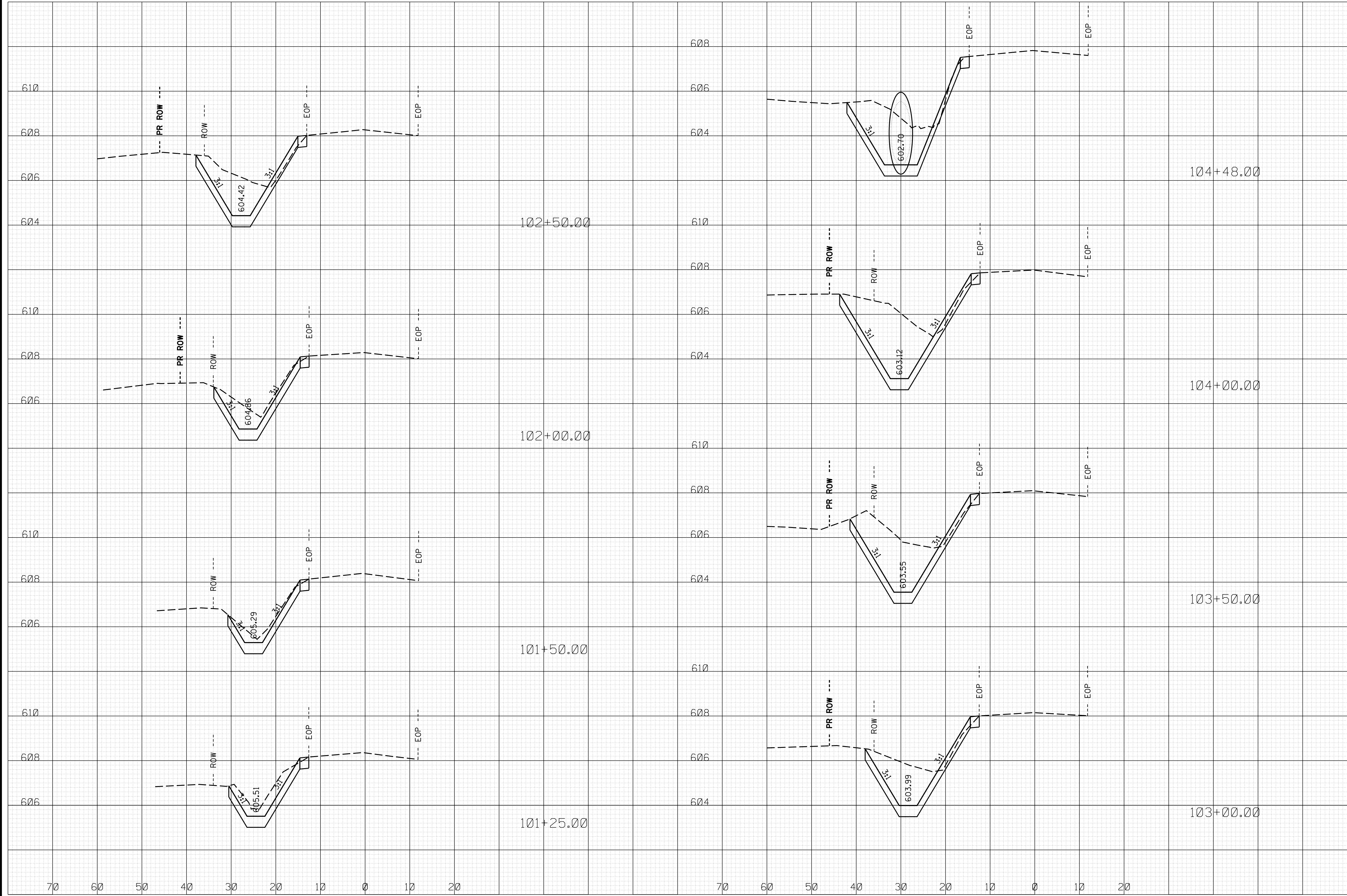
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PROJECT NO. 20-0205
DATE : 02/12/21
DRAWING NO. TC1
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22 OF 30


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SECTION NO. 20-00160-00-DR

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**KENDALL COUNTY
HIGHWAY DEPARTMENT
6780 ROUTE 47
YORKVILLE, IL 60560
630-553-7616**

WBKENGINEERING LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

WBK engineering

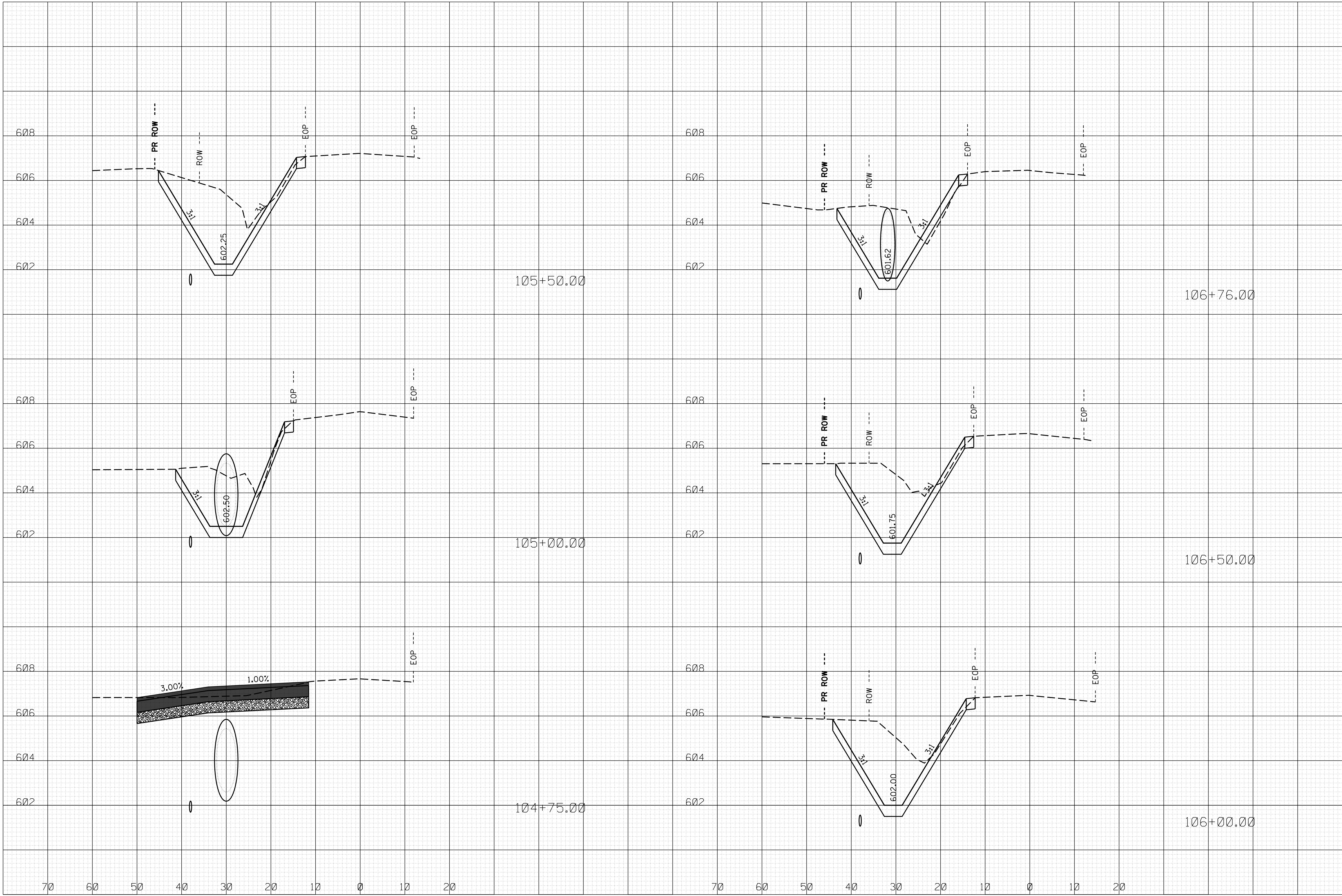
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SECTION NO. 20-00160-00-DR

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DSGN.

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CHKD.

SCALE : AS SHOWN

JLB

JLB

VDP

TITLE :

PLETCHER DRIVE
DRAINAGE IMPROVEMENTS

CIENT :

WBKengineering LLC
116 WEST MAIN STREET, SUITE 201
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PROJECT NO. 20-0205

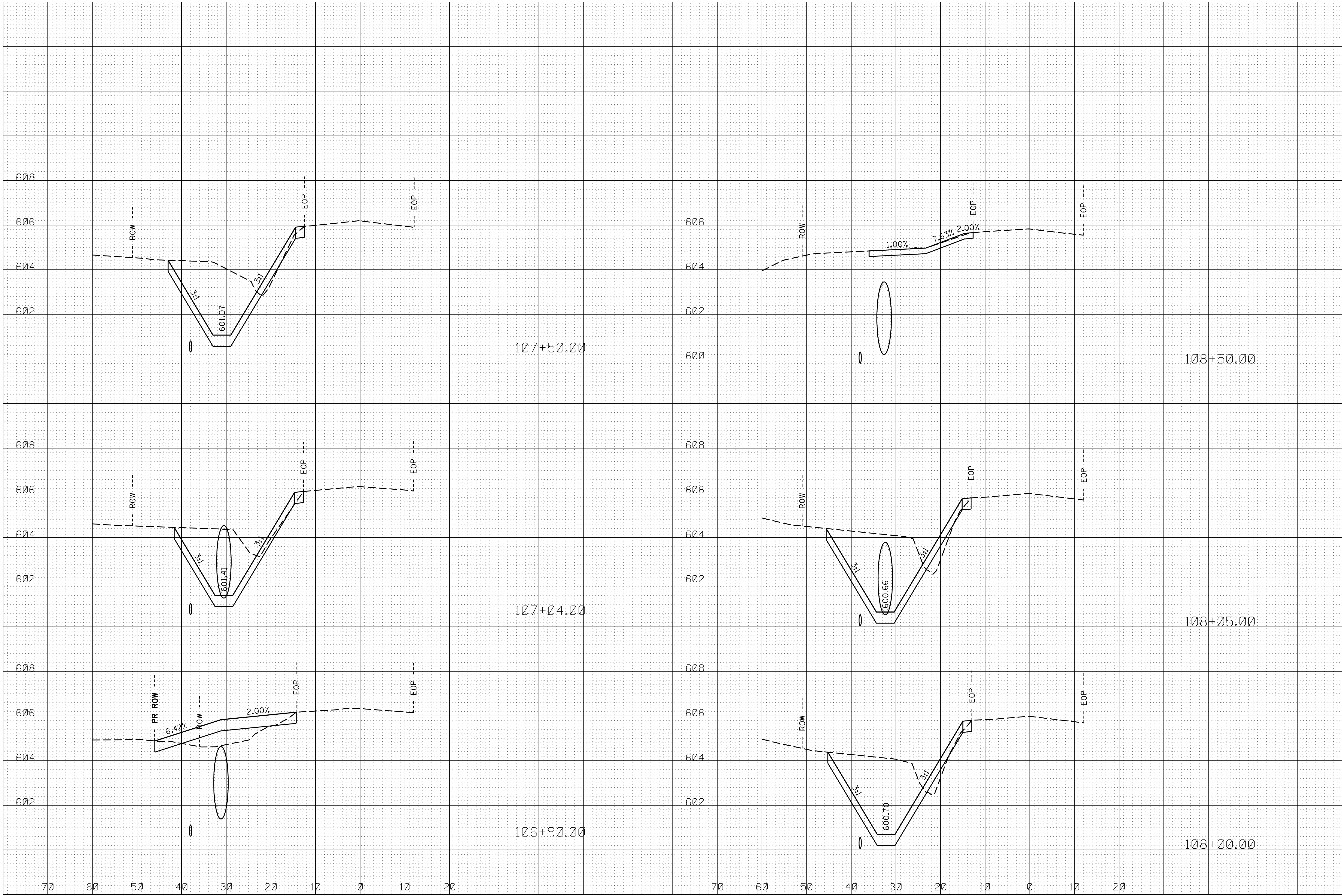
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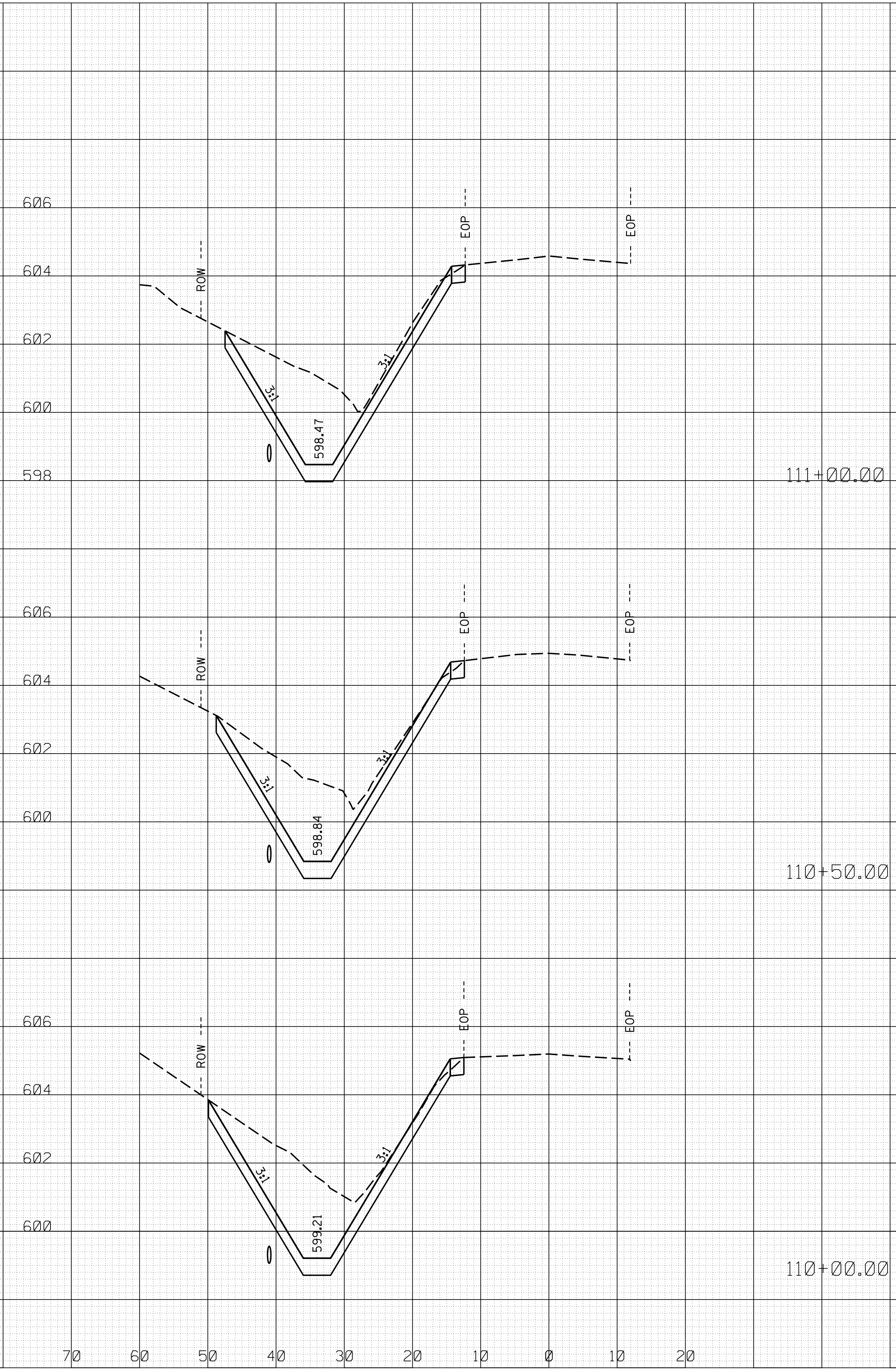
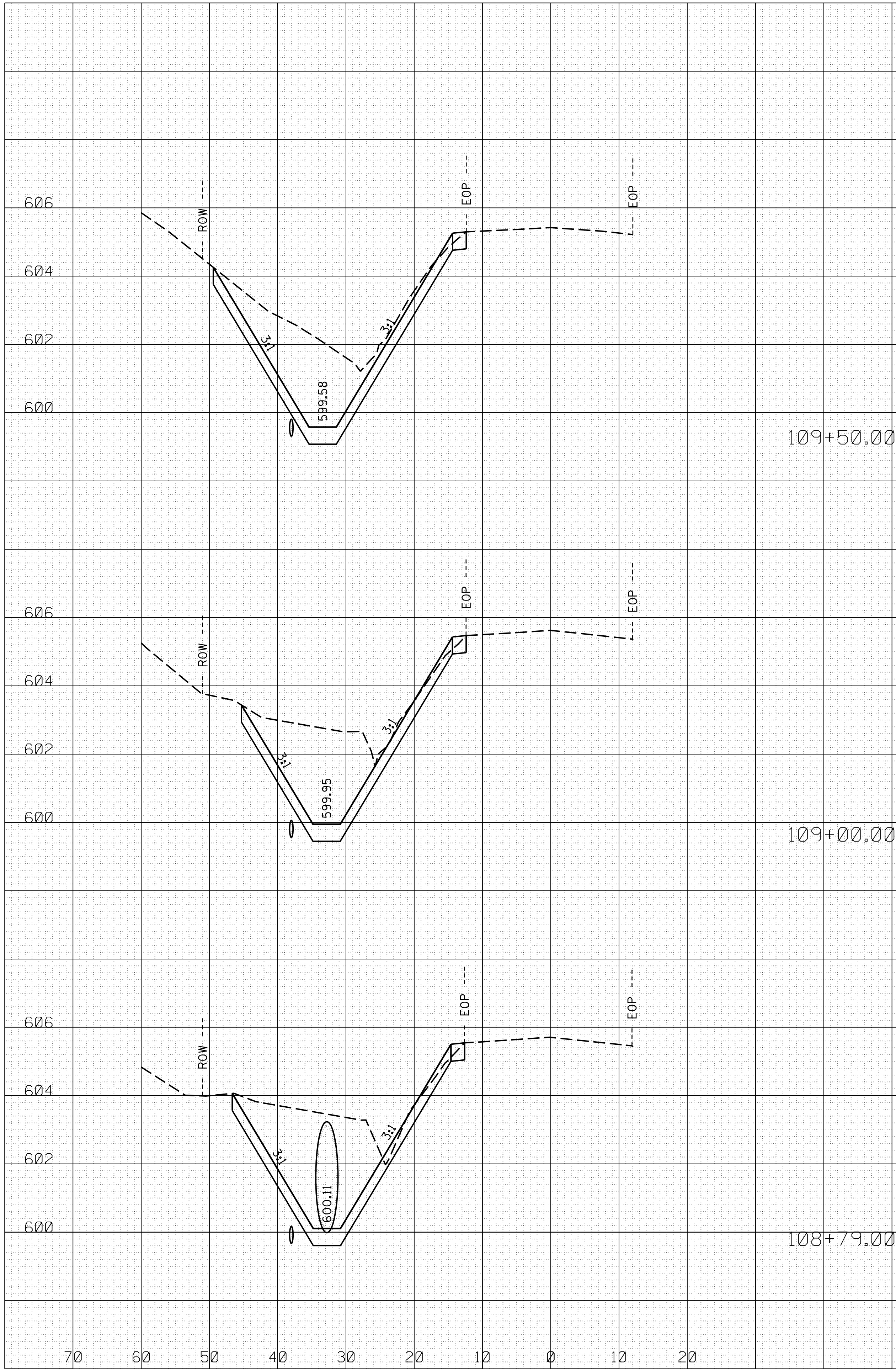
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26 OF 30		WBK engineering		WBKENGINEERING LLC 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755		CLIENT : KENDALL COUNTY HIGHWAY DEPARTMENT 6780 ROUTE 47 YORKVILLE, IL 60560 630-553-7616	
TITLE : PLETCHER DRIVE DRAINAGE IMPROVEMENTS		DSGN. JLB		JLB		VDP	
NO. DATE		NATURE OF REVISION		SCALE : AS SHOWN		CROSS SECTIONS	

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SECTION NO. 20-00160-00-DR

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JLB		JLB		DGSN.		DGSN.		JLB	
VDP		VDP		CHKD.		CHKD.		VDP	
SCALE : AS SHOWN		SCALE : AS SHOWN		NO.		NO.		DATE	
NATURE OF REVISION		NATURE OF REVISION		CROSS SECTIONS		CROSS SECTIONS		DRAINAGE IMPROVEMENTS	
PLETCHER DRIVE		PLETCHER DRIVE		DRAINAGE IMPROVEMENTS		DRAINAGE IMPROVEMENTS		DRAINAGE IMPROVEMENTS	

