

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	26-00120-00-PV	COOK	54	1
		ILLINOIS		

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 GENERAL NOTES AND LEGEND
- 3-7 SUMMARY OF QUANTITIES
- 8-10 TYPICAL SECTIONS

RECONSTRUCTION

- 11-14 CHELMSFORD PLACE
- 15-20 NOGALES STREET

RESURFACING

- 21-22 BRADLEY LANE
- 23-25 MORTON STREET
- 26-32 WILSHIRE DRIVE W & COVENTRY COURT

DETAILS

- 33-42 VOHE DETAIL SHEETS
- 43-47 IDOT DETAIL SHEETS
- 48-54 CROSS SECTIONS

TRAFFIC DATA

ALL STREETS SPEED LIMIT 20 MPH, ADT < 1000 UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS

VILLAGE OF HOFFMAN ESTATES

DEPARTMENT OF DEVELOPMENT SERVICES

ENGINEERING DIVISION

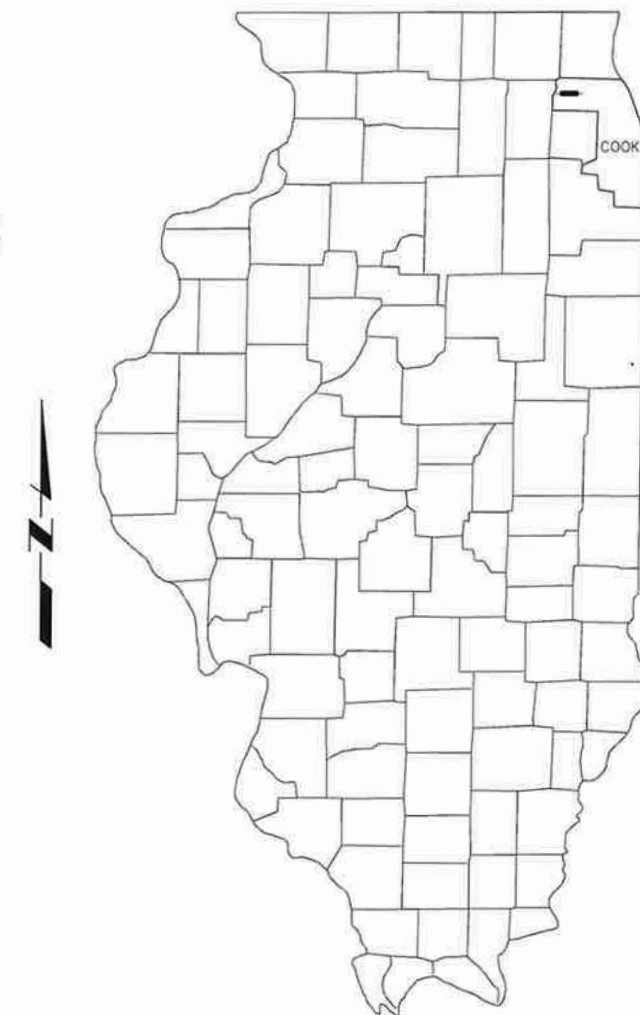
COOK COUNTY

2026 INFRASTRUCTURE

IMPROVEMENT PROJECT

SECTION NO. 26-00120-00-PV

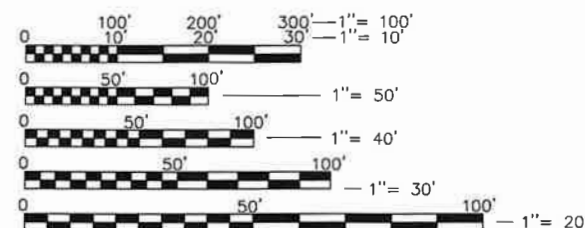
NET LENGTH OF IMPROVEMENT = 7920 FEET (1.50 MILES)



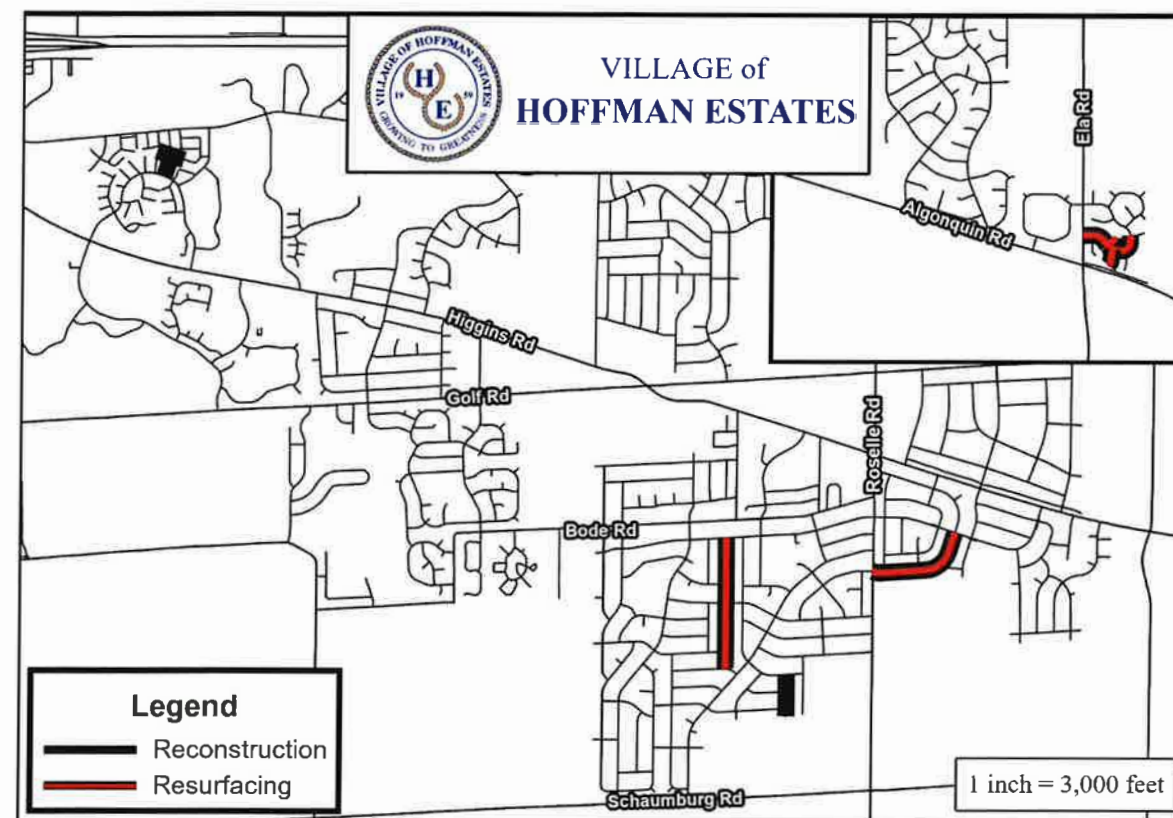
LOCATION OF SECTION INDICATED THUS: —

FOR UNDERGROUND UTILITY LOCATIONS CALL 48 HOURS BEFORE YOU DIG (EXCLUDING SATURDAY, SUNDAY AND HOLIDAYS)

J.U.L.I.E.
1-800-892-0123
OR 811



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



LOCATION MAP

ALAN J. WENDERSKI
LIC. NO. 62 - 066932
LIC. EXP. 11-30-27

GENERAL NOTES

GENERAL

1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER SHALL NOT ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTOR'S SUPERINTENDENT OR OF SUBCONTRACTORS. ADDITIONALLY, THE ENGINEER SHALL NOT ADVISE ON, OR ISSUE DIRECTIONS CONCERNING ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OF PROCEDURES, OR SAFETY PRECAUTIONS AND/OR PROGRAMS IN CONNECTION WITH THE WORK.
4. THE CONTRACTOR SHALL EXAMINE ALL PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF 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.
5. THE CONTRACTOR SHALL KEEP THE AREA OF CONSTRUCTION FREE OF DEBRIS AND OBJECTIONABLE MATERIALS DURING CONSTRUCTION OR THE VILLAGE RESERVES THE RIGHT TO REMOVE AND BACK CHARGE THE CONTRACTOR.
6. PERMITS AND LICENSES OF A TEMPORARY NATURE NECESSARY FOR THE PROSECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
8. THE VILLAGE WILL PROVIDE SOIL BORINGS, PAVEMENT CORES, AND ENVIRONMENTAL TESTING RESULTS TO THE CONTRACTOR AT TIME OF AWARD. ANY ADDITIONAL SOIL TESTING REQUESTED BY THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
9. THE ENGINEER AND/OR ITS REPRESENTATIVE WILL BE PROVIDING CONSTRUCTION LAYOUT AND STAKING OF THE PROPOSED IMPROVEMENTS. IF CONTRACTOR'S OPERATIONS DAMAGE THE LAYOUT, THE VILLAGE MAY CHARGE A FEE, TO THE CONTRACTOR, TO COVER THE ADDITIONAL COSTS INCURRED BY THE VILLAGE FOR LAYOUT.
10. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK OR CHANGING TRAFFIC ADVANCE.
11. CONTRACTOR MAY OBTAIN A VILLAGE WATER METER FOR FREE WATER USAGE ON THIS JOB. THE WATER METER CAN BE OBTAINED BY VILLAGE PUBLIC WORKS DEPARTMENT FOR A \$2600 FEE DEPOSIT.
12. ALL SPOT GRADES ON PLANS ARE FINISHED PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED

UNDERGROUND

1. FOR UNDERGROUND UTILITY LOCATIONS, CALL 48 HOURS BEFORE DIGGING, (EXCLUDING SATURDAY, SUNDAY & HOLIDAYS) J.U.L.I.E. 1-800-692-0123 OR 811.
2. THE LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY UTILITIES WHICH MAY BE AFFECTED BY THE WORK, INCLUDING MAKING ARRANGEMENTS FOR THE PROPER BRACING, AND OTHER REQUIRED PROTECTION, AS REQUIRED. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL VERIFY THE ELEVATION AND LOCATION OF EXISTING SEWERS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWERS.

EROSION CONTROL

1. SOIL DISTURBANCE SHALL BE IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE CONTRACT.
3. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

EARTHWORK

1. PROOF ROLLS SHALL BE CONDUCTED ON ALL SUBGRADE AT INTERVALS NOT LESS THAN 100 FEET OR AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE ADVISED THAT THE VILLAGE HAS AC WATER MAINS LOCATED ON THE STREETS TO BE RECONSTRUCTED AND SHOULD TAKE EVERY PRECAUTION NOT TO DISTURB THE EXISTING CONDITION OF THESE UTILITIES.
3. SUBGRADE SHALL BE PREPARED AS PER ARTICLE 301 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL.
4. AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT STABILITY MANUAL). NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY ADDITIONS TO OR DEDUCTIONS FROM THE CONTRACT AMOUNT. IF NO ADDITIONAL UNSUITABLE SOILS ARE ENCOUNTERED, THEN THE EXCESS QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
5. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR1

PAVING

1. ALL SIDEWALKS WITHIN THE PROJECT LIMITS THAT ARE ADJACENT TO THE CURB SHALL BE REMOVED AND CONSTRUCTED ACCORDING TO PLAN DETAILS AND STANDARDS. CATALOG CUTS OF DETECTABLE WARNINGS MUST BE APPROVED BY THE VILLAGE BEFORE INSTALLATION.
2. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO NOT CAUSE EXCESS DAMAGE TO THE PARKWAY DURING SIDEWALK REMOVAL AND REPLACEMENT. DAMAGE BEYOND 2 FT BEHIND THE CURB & GUTTER AND 2 FT ON EITHER SIDE OF THE SIDEWALK SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL PROTECT ALL SIDEWALKS AND CURB & GUTTER FROM DAMAGE AND VANDALISM.
4. ALL CURB SHALL BE DEPRESSED AT DRIVEWAYS.
5. ALL FULL REPLACEMENT DRIVEWAY APRONS ARE CONCRETE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. AREAS OF REVERSE PITCH CURB AND GUTTER TO BE INSTALLED WILL BE MARKED IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION.
7. ALL RADII DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
8. 'FRESH OIL' SIGNS SHALL BE INSTALLED AT ALL ENTRANCES 16 TO 24 HOURS PRIOR TO THE PLACEMENT OF TACK COAT.

STATE STANDARDS

(INCLUDED FOR REFERENCE ONLY)

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID BLOCK CURB RAMPS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
602601-06	PRECAST REINFORCED FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS






DISTRICT ONE DETAILS

BD-07 DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32 BUTT JOINT AND HMA TAPER DETAILS
TC-10 TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
TC-13 TYPICAL PAVEMENT MARKINGS

LEGEND

EXISTING	PROPOSED	
		SANITARY MANHOLE
		STORM MANHOLE
		CATCH BASIN
		STORM INLET
		VALVE & VAULT
		FIRE HYDRANT
		STREET LIGHT
		STREET SIGN
		STORM SEWER
		SANITARY SEWER
		WATER MAIN
		MAIL BOX
		POWER POLE
		DETECTABLE WARNINGS
		STREET LIGHT CABLE
		STREET LIGHT CABLE CONDUIT
		NICOR GAS VALVE
		AT&T HANDHOLE
		AT&T BURIED UTILITY
		COMCAST BURIED UTILITY
		COMED BURIED UTILITY
		NICOR BURIED UTILITY
		VILLAGE FIBER OPTIC CABLE
		WEST SHORE PIPELINE
		OVERHEAD UTILITY
		STORM SEWER TO BE REMOVED
		LAMP POST

RCN	STRUCTURES TO BE RECONSTRUCTED
ADJ	STRUCTURES TO BE ADJUSTED
G	NEW GRATE
F&G	NEW FRAME AND GRATE
F&L	NEW FRAME AND LID
C	EXISTING CONCRETE APRON
C/A	EXISTING CONCRETE & ASPHALT APRON
A	EXISTING ASPHALT APRON

	TREE
	PROPOSED SIDEWALK
	REMOVAL OF SIDEWALK
	PAVEMENT PATCHING
	DITCH GRADING

FILE NAME = General Notes—Legend.dwg		DESIGNED —	REVISED —		VILLAGE OF HOFFMAN ESTATES 1900 Hassell Road, Hoffman Estates, IL 60169 Phone Number: 847 252-5800	2026 Infrastructure Improvement Project General Notes			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN — DSG	REVISED —							26—00120—00—PV	Cook	54	2
		CHECKED — AJW	REVISED —						CONTRACT. NO.				
		DATE — 01/15/2026	REVISED —			SCALE: NTS			SHEET NO. 1 OF 1 SHEETS				
									ILLINOIS				

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

FILE NAME = 2026 Summary of Quantities.dwg	DESIGNED -	REVISED -		VILLAGE OF HOFFMAN ESTATES 1900 Hassell Road, Hoffman Estates, IL 60169 Phone Number: 847 252-5800	2026 Infrastructure Improvement Project Summary of Quantities	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					26-00120-00-PV	Cook	54	3
	CHECKED -	REVISED -				CONTRACT. NO.				
	DATE - 01/15/2026	REVISED -				ILLINOIS				
						SCALE: NTS	SHEET NO. 1 OF 5 SHEETS			

PLAN	SURVEYED	DATE	BY
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	ALIGNED		
NOTE BOOK	CHECKED		
NO.	DATE		

PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	GRADES		
NOTE BOOK	CHECKED		
NO.	DATE		

SUMMARY OF QUANTITIES										
PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CHELMSFORD PL	NOGALES ST	MISC.	BRADLEY LN	COVENTRY CT	MORTON ST	WILSHIRE DR
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,675	90	42		458	90	589	406
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	3,490	1,260	2,230					
HE407300	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	140		30		30		70	10
HE423060	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	1,620		325		400	55	650	190
HE423080	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	53							53
HE424000	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	40,550	5,100	7,350		8,500	1,600	9,400	8,600
HE424001	PORTLAND CEMENT CONCRETE STEPS REMOVE AND REPLACE, SPECIAL	SQ FT	300	300						
HE424008	DETECTABLE WARNINGS, SPECIAL	SQ FT	478	20	96		88	8	112	154
44000100	PAVEMENT REMOVAL	SQ YD	4,535	2,305	2,230					
HE440015	VARIABLE DEPTH GRINDING (0 INCH TO 3 INCH)	SQ YD	18,198		363		5,297	1,038	6,811	4,689
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,813		355		430	55	720	253
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	3,550	1,750	1,800					
44000600	SIDEWALK REMOVAL	SQ FT	40,150	4,900	7,350		8,300	1,600	9,400	8,600
HE442060	CLASS D PATCH, SPECIAL, 6 INCH	SQ YD	1,175				155			1,020
HE442070	CLASS D PATCH, SPECIAL, 7 INCH	SQ YD	135						135	
HE442090	CLASS D PATCH, SPECIAL, 9 INCH	SQ YD	140		140					
HE542485	CONCRETE COLLAR, SPECIAL	EACH	2			1	1			
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 12"	FOOT	1,078	243	60		349		426	
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 15"	FOOT	57	8	33				16	
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 18"	FOOT	8				8			
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 24"	FOOT	172		172					
HE550P06	STORM SEWERS, SOLID PVC PIPE, 6 INCH	FOOT	20						20	
HE550P08	STORM SEWERS, SOLID PVC PIPE, 8 INCH	FOOT	22		22					
HE550P10	STORM SEWERS, SOLID PVC PIPE, 10 INCH	FOOT	5						5	
HE550P12	STORM SEWERS, SOLID PVC PIPE, 12 INCH	FOOT	141		141					

PLAN	NO.	BOOK	NOTES	SURVEYED	PLOTTED	ALIGNED	CHECKED	DATE	BY

PROFILE	NO.	BOOK	NOTES	SURVEYED	PLOTTED	GRADES	CHECKED	DATE	BY

SUMMARY OF QUANTITIES										
PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CHELMSFORD PL	NOGALES ST	MISC.	BRADLEY LN	COVENTRY CT	MORTON ST	WILSHIRE DR
HE550P24	STORM SEWERS, SOLID PVC PIPE, 24 INCH	FOOT	32		32					
HE550110	STORM SEWER, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	10							10
HE550112	STORM SEWER, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	78		20					58
HE550118	STORM SEWER, TYPE 1, WATER MAIN QUALITY PIPE, 18"	FOOT	10							10
HE550121	STORM SEWER, TYPE 1, WATER MAIN QUALITY PIPE, 21"	FOOT	10							10
HE550550	POST CONSTRUCTION TELEVISING	FOOT	1,204	243	186		349		426	
HE551000	DIRECT CONNECTION TO STORM SEWER, SPECIAL	EACH	6		1	5				
55100200	STORM SEWER REMOVAL 6"	FOOT	20						20	
55100400	STORM SEWER REMOVAL 10"	FOOT	95						61	34
55100500	STORM SEWER REMOVAL 12"	FOOT	626	159	35		28		370	34
55100700	STORM SEWER REMOVAL 15"	FOOT	57	8	33				16	
55100900	STORM SEWER REMOVAL 18"	FOOT	18				8			10
55101100	STORM SEWER REMOVAL 21"	FOOT	187		177					10
55101300	STORM SEWER REMOVAL 27"	FOOT	37		37					
HE561060	WATER MAIN 6"	FOOT	222	28	78					116
HE561080	WATER MAIN 8"	FOOT	1,704	465	986					253
HE561100	WATER MAIN 10"	FOOT	1,240							1,240
HE561120	WATER MAIN 12"	FOOT	15							15
HE561101	DISCONNECT FROM EXISTING WATERMAIN	EACH	3	1		1				1
HE562007	COPPER WATER SERVICE (TYPE K) 0.75"	FOOT	16							16
HE562015	COPPER WATER SERVICE (TYPE K) 1.5"	FOOT	2,102	1,071	451					580
HE563004	SANITARY SEWER, PVC SDR 26, 4", SPECIAL	FOOT	215		115					100
HE563006	SANITARY SEWER, PVC SDR 26, 6", SPECIAL	FOOT	66			50	10		6	
HE563008	SANITARY SEWER, PVC SDR 26, 8", SPECIAL	FOOT	119		93		10		16	
HE563012	SANITARY SEWER, PVC SDR 26, 12", SPECIAL	FOOT	30		30					

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	ALIGNMENT CHECKED		
	CAD FILE NAME		
NOTE BOOK NO.			

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	PLOTTED		
	NOTE BOOK GRADES CHECKED		
	STRUCTURE NOTATION CHKD		
NOTE BOOK NO.			

SUMMARY OF QUANTITIES										
PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CHELMSFORD PL	NOGALES ST	MISC.	BRADLEY LN	COVENTRY CT	MORTON ST	WILSHIRE DR
HE563015	SANITARY SEWER, PVC SDR 26, 15", SPECIAL	FOOT	40				40			
HE563104	SANITARY SEWER REMOVAL, 4", SPECIAL	FOOT	223		115				8	100
HE563106	SANITARY SEWER REMOVAL, 6", SPECIAL	FOOT	70			50	15		5	
HE563108	SANITARY SEWER REMOVAL, 8", SPECIAL	FOOT	98		77		5		16	
HE563112	SANITARY SEWER REMOVAL, 12", SPECIAL	FOOT	30		30					
HE563115	SANITARY SEWER REMOVAL, 15", SPECIAL	FOOT	40				40			
HE563206	SANITARY SEWER SERVICE CONNECTION, 6", SPECIAL	EACH	5		3		1		1	
HE564000	FIRE HYDRANT WITH AUXILLARY VALVE AND VALVE BOX	EACH	10	1	4					5
HE564100	FIRE HYDRANT REMOVAL	EACH	7	2	1					4
HE564400	SANITARY MANHOLES, 4 FOOT DIAMETER, SPECIAL	EACH	6		2		4			
HE564450	SANITARY DROP MANHOLES, 4 FOOT DIAMETER, SPECIAL	EACH	3		2		1			
HE565000	SANITARY MANHOLES, ADJUST, SPECIAL	EACH	4						1	3
HE565500	SANITARY MANHOLES, RECONSTRUCT, SPECIAL	EACH	3						3	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	9			9				
HE601004	PIPE UNDERDRAINS, FABRIC LINED TRENCH, 4", SPL	FOOT	202	90	34		54		24	
HE602104	CATCH BASINS, 4 FOOT DIAMETER	EACH	6	2	1		2		1	
HE602200	INLETS, 2 FOOT DIAMETER	EACH	12	3	4		1		4	
HE602400	MANHOLES, 4 FOOT DIAMETER	EACH	9	1	3		3		2	
HE602500	MANHOLES, 5 FOOT DIAMETER	EACH	1		1					
HE602548	GATE VALVE 8" WITH VAULT, 4' DIAMETER	EACH	13	3	5					5
HE602551	GATE VALVE 10" WITH VAULT, 5' DIAMETER	EACH	6							6
HE602552	GATE VALVE 10" WITH VAULT, 5' DIAMETER, SPECIAL	EACH	1							1
HE602900	ABANDON VALVE BOX	EACH	3		3					
HE603000	MANHOLES TO BE ADJUSTED	EACH	29		6		7		6	10
HE603100	MANHOLES TO BE ADJUSTED, SPECIAL	EACH	1					1		

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	ALIGNMENT CHECKED	
	CAD FILE NAME	
NOTE BOOK NO.		

PROFILE	SURVEYED	DATE	BY	DATE
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	NOTE BOOK GRADES CHECKED			
	DATE OF FIELD STRUCTURE NOTATION CHKD			
NO.				

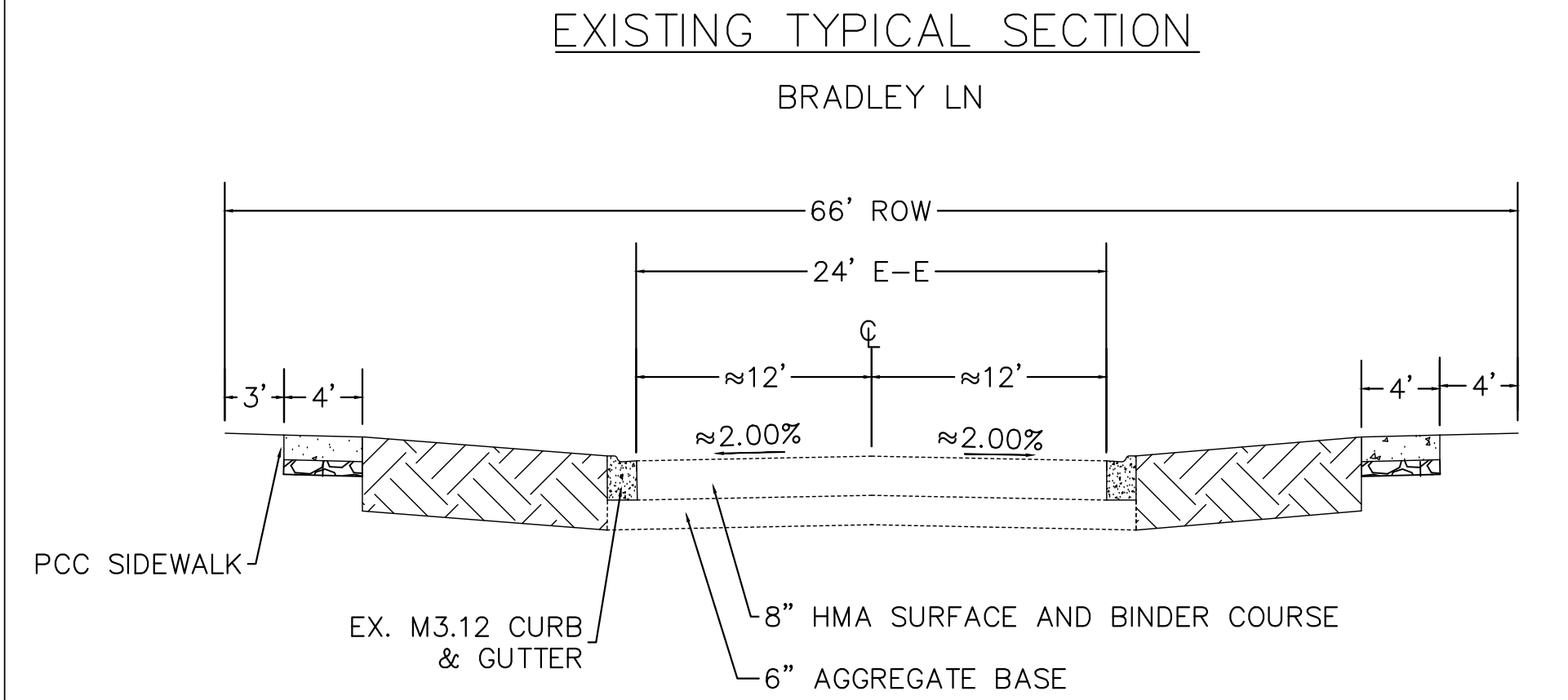
SUMMARY OF QUANTITIES										
PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY							
HE603500	MANHOLES TO BE RECONSTRUCTED	EACH	1			1				
HE604007	FRAMES AND GRATES, DEPRESSED GRATE	EACH	1							1
60402210	GRATES, TYPE 8	EACH	1		1					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6		4				2	
HE604060	FRAMES AND LIDS, STORM, TYPE 1, CLOSED LID, SPECIAL	EACH	4		2		2			
HE604061	FRAMES AND LIDS, SANITARY, TYPE 1, CLOSED LID, SPECIAL	EACH	16		4		5		4	3
HE604062	FRAMES AND LIDS, WATER, TYPE 1, CLOSED LID, SPECIAL	EACH	20	3	5					12
HE604300	FRAMES AND GRATES, FOR M3.12 CURB	EACH	16	4	2	1	4		5	
HE604605	FRAMES AND GRATES, FOR B6.12 CURB	EACH	13	2		1		1		9
60500040	REMOVING MANHOLES	EACH	18	3	6		6		3	
60500060	REMOVING INLETS	EACH	10	3	2		1		4	
HE605500	ABANDONING MANHOLES, SPECIAL	EACH	12	2						10
HE606100	COMBINATION CONCRETE CURB AND GUTTER, M3.12, SPECIAL	FOOT	2,700	900	1,800					
HE606200	COMBINATION CONCRETE CURB AND GUTTER, B6.12, SPECIAL	FOOT	920	920						
HE606300	COMBINATION CONCRETE CURB AND GUTTER REMOVAL & REPLACEMENT, SPECIAL	FOOT	6,340				2,300	275	1,715	2,050
HE606900	CONCRETE FRONT FILL, SPECIAL	FOOT	1,000			1,000				
HE664000	FENCE REMOVAL AND REINSTALLATION	FOOT	21		21					
HE701014	TRAFFIC CONTROL AND PROTECTION	LUMP SUM	1			1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	24			24				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	48			48				
HE720010	REMOVE AND RESET SIGN	EACH	14	5	6		1		2	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	963	963						
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	208	55			53		100	
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	72	12			24		24	12

PROFILE		DATE	BY	DATE
SURVEYED				
PLOTTED				
NOTE BOOK		GRADES CHECKED		
NO. _____		B.M. NOTED		
		STRUCTURE NOTAT'NS CHK'D		

FILE NAME =	DESIGNED -- DSG	REVISED --	 VILLAGE OF HOFFMAN ESTATES 1900 Hassell Road, Hoffman Estates, IL 60169 Phone Number: 847 252-5800	2026 Infrastructure Improvement Project			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2026 Typical Section.dwg	DRAWN -- DSG	REVISED --		Typical Sections				26--00120--00--PV	Cook	54	8
	CHECKED -- AJW	REVISED --					CONTRACT. NO.				
	DATE -- 12/22/25	REVISED --		SCALE: NTS			SHEET NO. 1 OF 3 SHEETS		ILLINOIS		

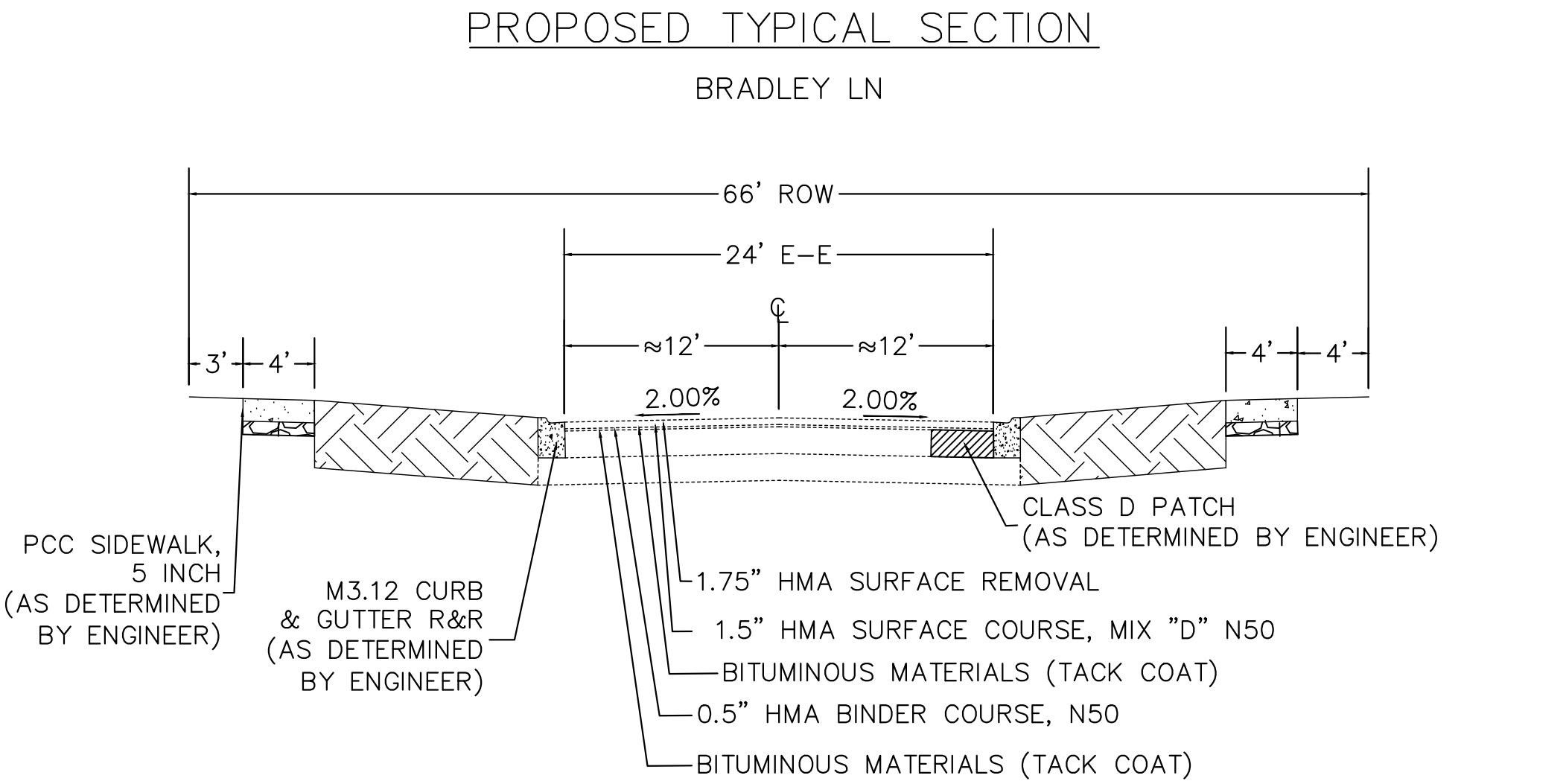
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	PLOTTED	CHECKED	DATE
	FILED	DATE	DATE
	NOTE BOOK	NO.	NO.

PROFILE	DATE	BY	DATE
	DATE	DATE	DATE
	DATE	DATE	DATE
	DATE	DATE	DATE

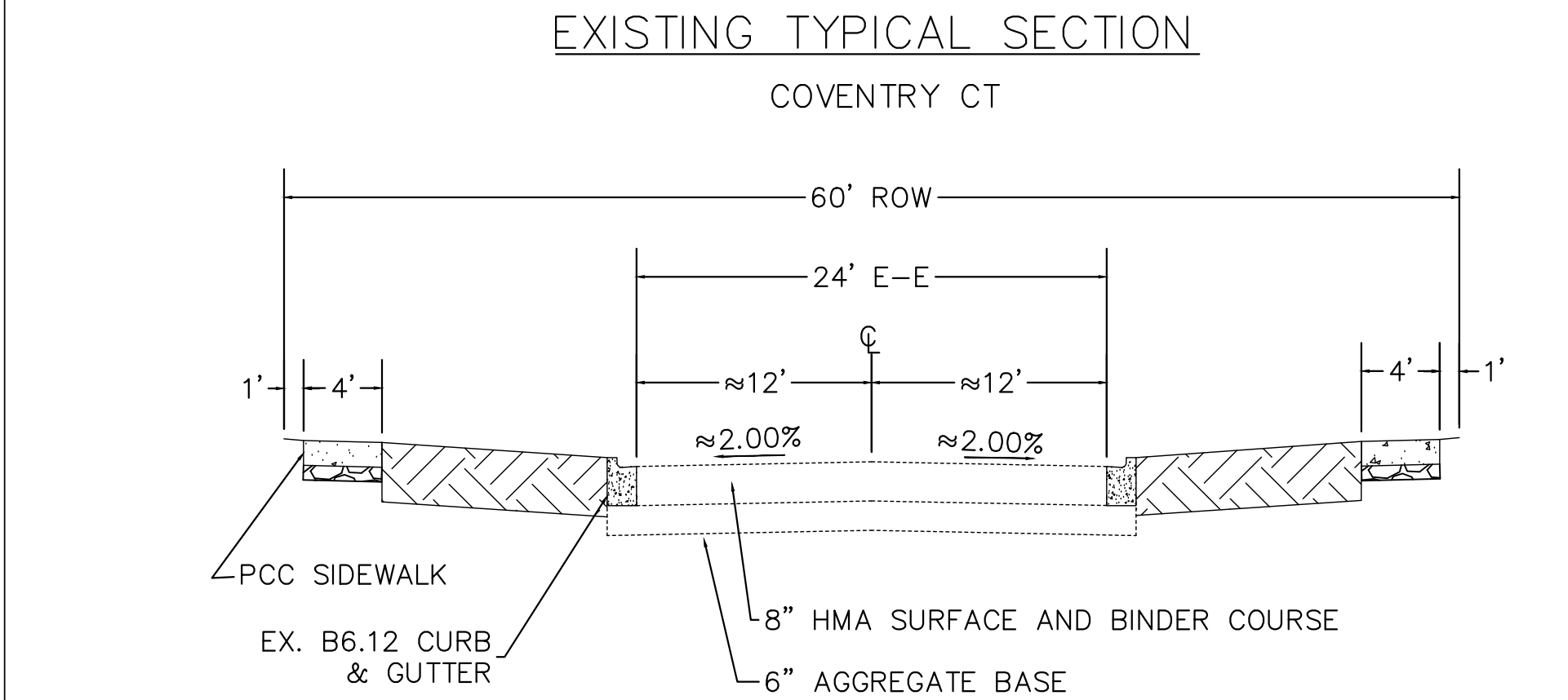


HOT-MIX ASPHALT MIXTURE REQUIREMENT		QMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1.5"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 0.5"	4% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCH (HMA BINDER, IL-19.0 mm); 6 INCH (2 LIFTS)	4% @ 70 GYR	QC/QA

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

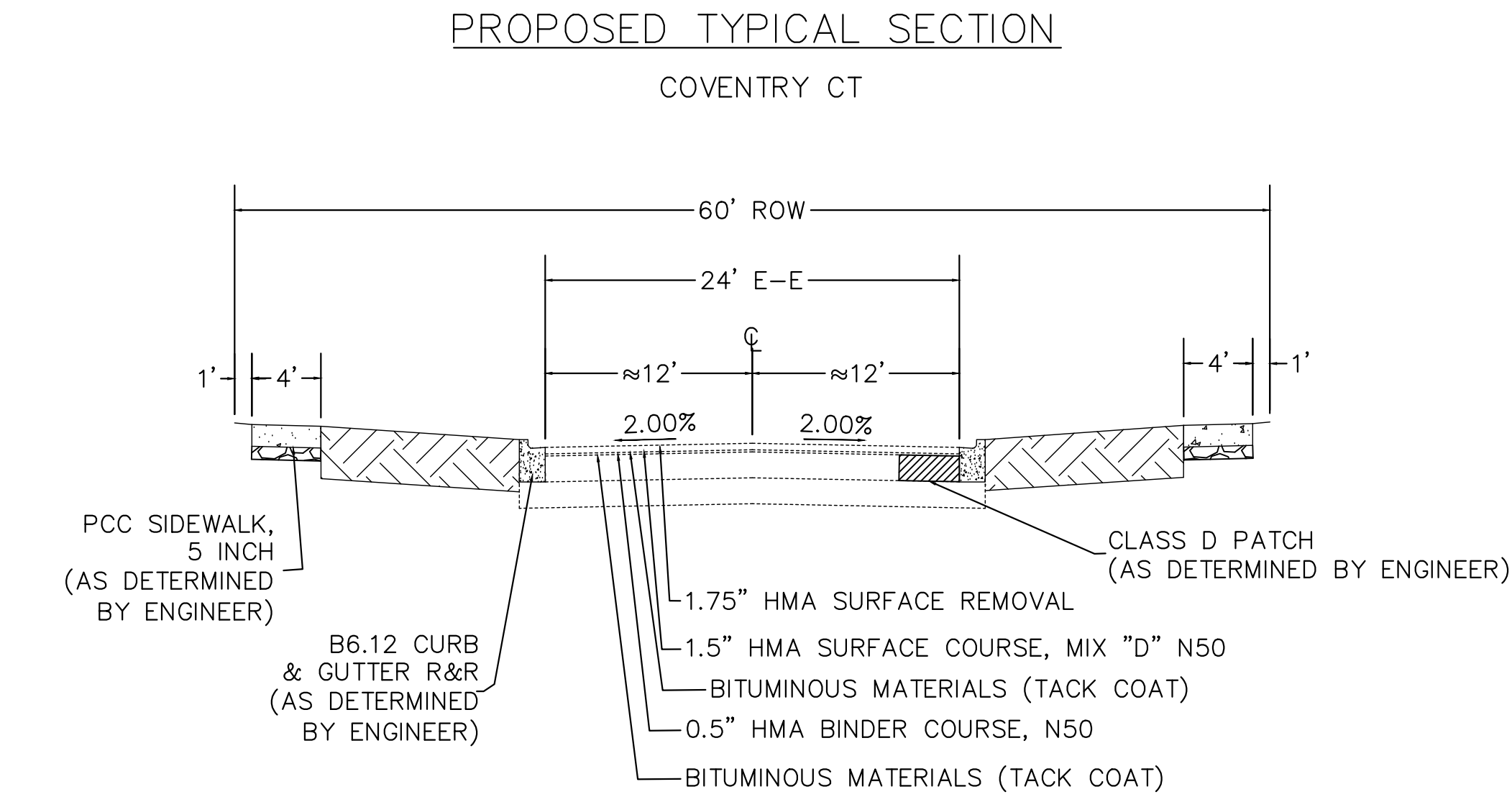


- NOTE:
- GUTTER FLAG TO MATCH PAVEMENT THICKNESS (MINIMUM 8")
 - FINISHED PAVEMENT TO BE 1/4" ABOVE EDGE OF GUTTER

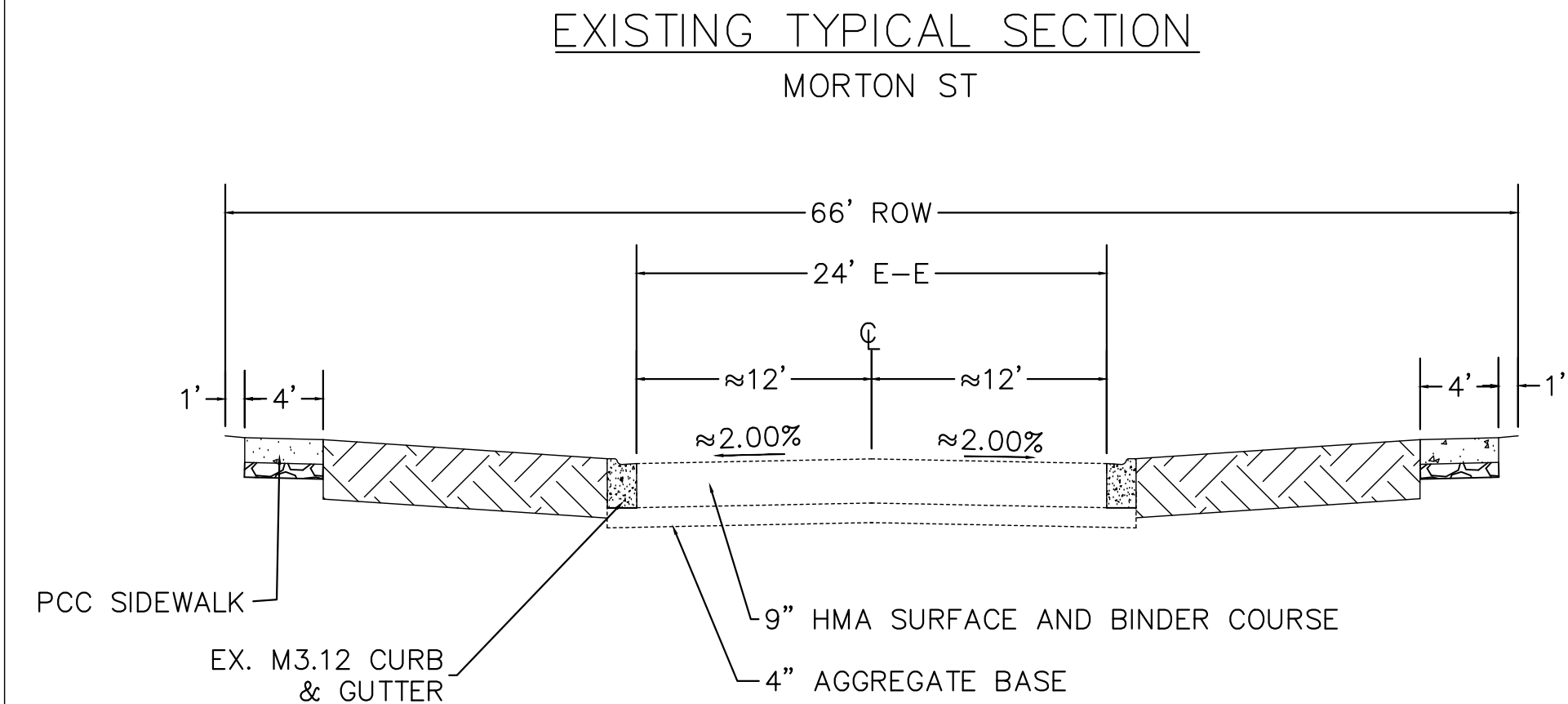


HOT-MIX ASPHALT MIXTURE REQUIREMENT		QMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1.5"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 0.75"	4% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCH (HMA BINDER, IL-19.0 mm); 6 INCH (2 LIFTS)	4% @ 70 GYR	QC/QA

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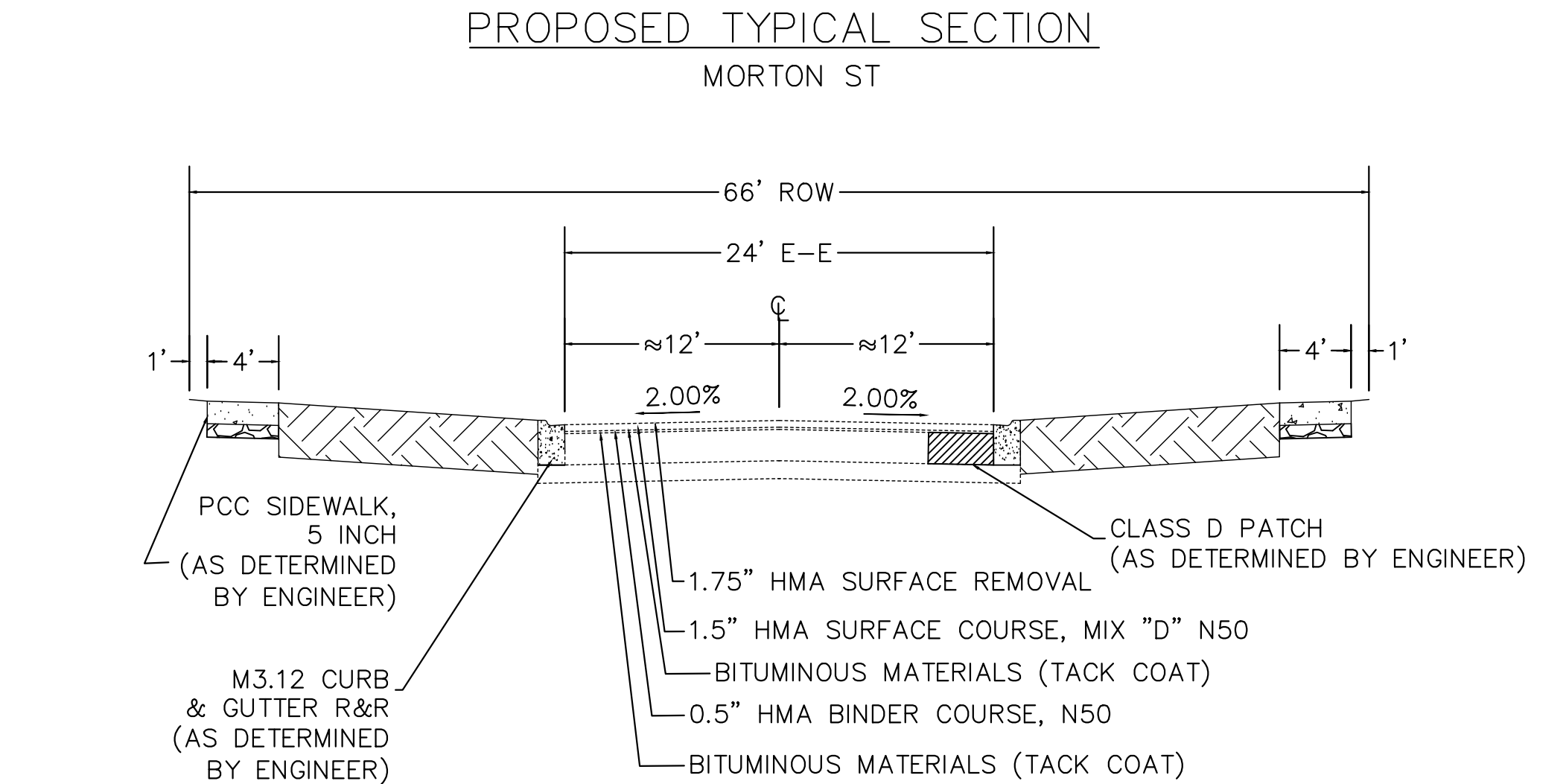


- NOTE:
- GUTTER FLAG TO MATCH PAVEMENT THICKNESS (MINIMUM 8")
 - FINISHED PAVEMENT TO BE 1/4" ABOVE EDGE OF GUTTER



HOT-MIX ASPHALT MIXTURE REQUIREMENT		QMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1.5"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 0.75"	4% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCH (HMA BINDER, IL-19.0 mm); 7 INCH (2 LIFTS)	4% @ 70 GYR	QC/QA

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
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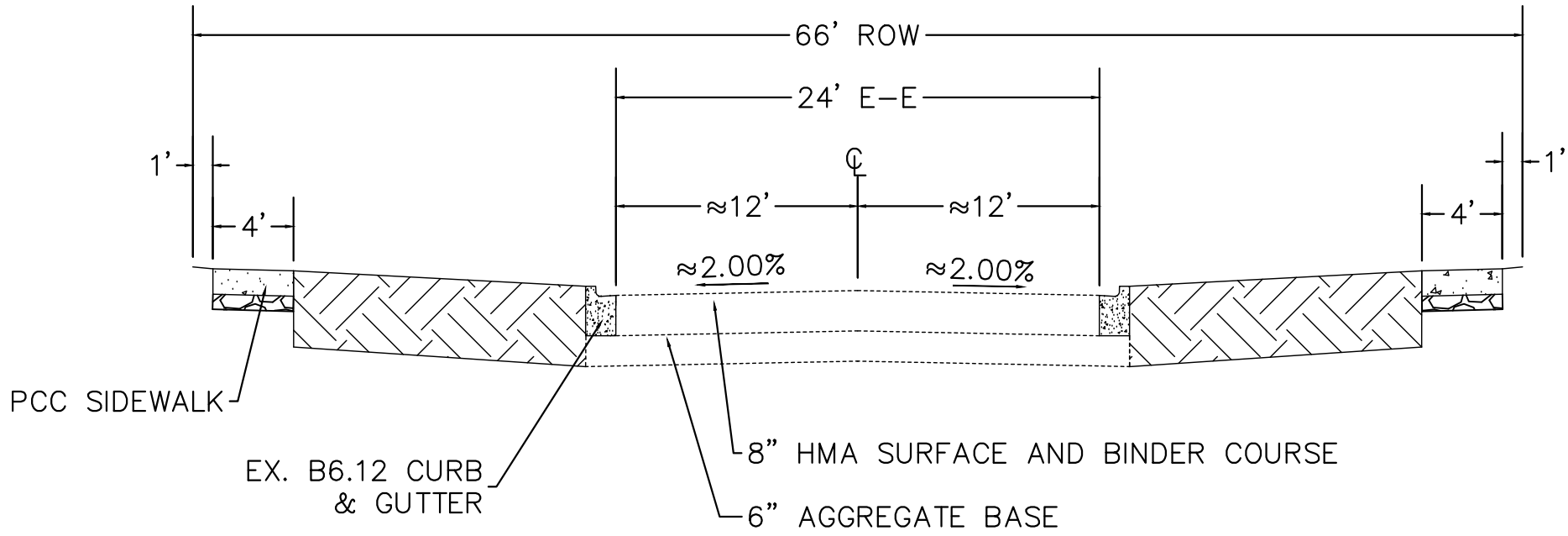
- NOTE:
- GUTTER FLAG TO MATCH PAVEMENT THICKNESS (MINIMUM 8")
 - FINISHED PAVEMENT TO BE 1/4" ABOVE EDGE OF GUTTER

PLAN	SURVEYED	_____
	PLOTTED	_____
	CHECKED	_____
	DATE	_____
NOTE BOOK NO.	PROJECT NAME	_____
	CADD FILE NAME	_____
	DATE	_____
	BY	_____

PROFILE	SURVEYED	_____
	PLOTTED	_____
	CHECKED	_____
	DATE	_____
NOTE BOOK NO.	PROJECT NAME	_____
	CADD FILE NAME	_____
	DATE	_____
	BY	_____

EXISTING TYPICAL SECTION

WILSHIRE DR

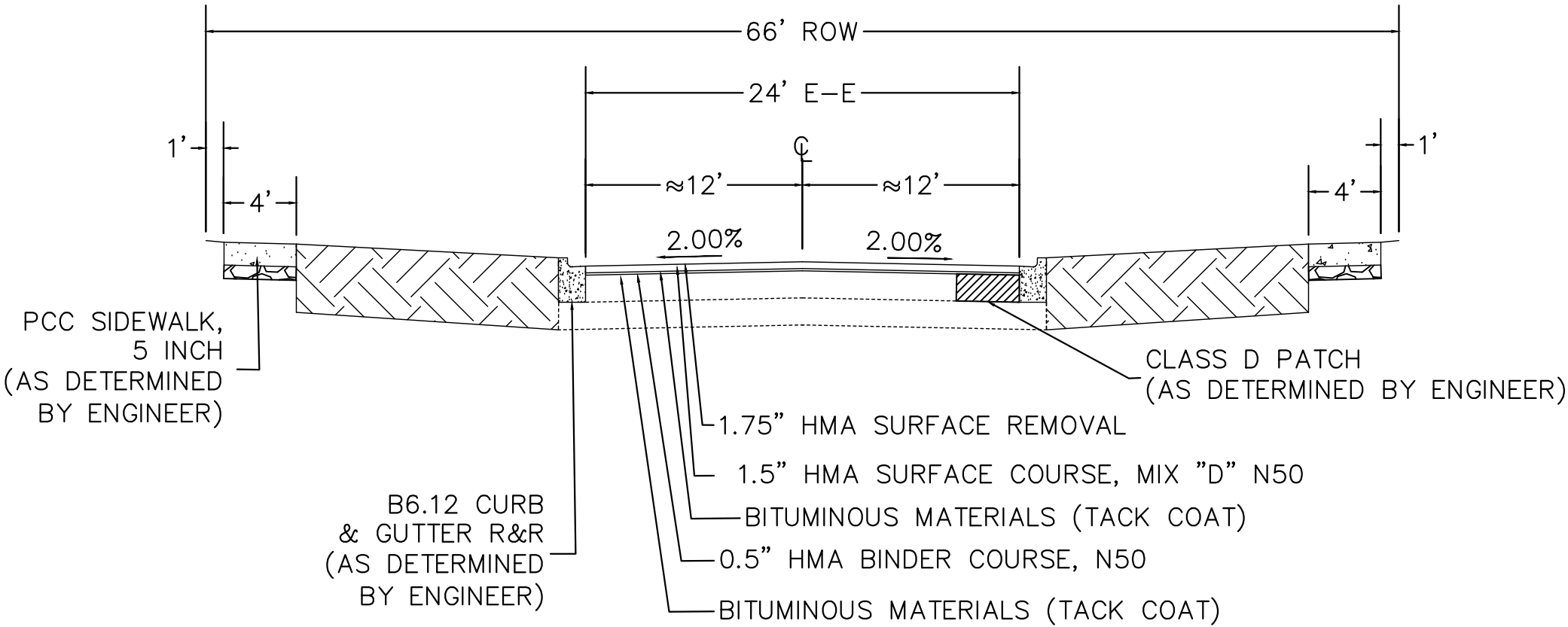


HOT-MIX ASPHALT MIXTURE REQUIREMENT		QMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1.5"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 0.75"	4% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCH (HMA BINDER, IL-19.0 mm); 6 INCH (2 LIFTS)	4% @ 70 GYR	QC/QA

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

PROPOSED TYPICAL SECTION

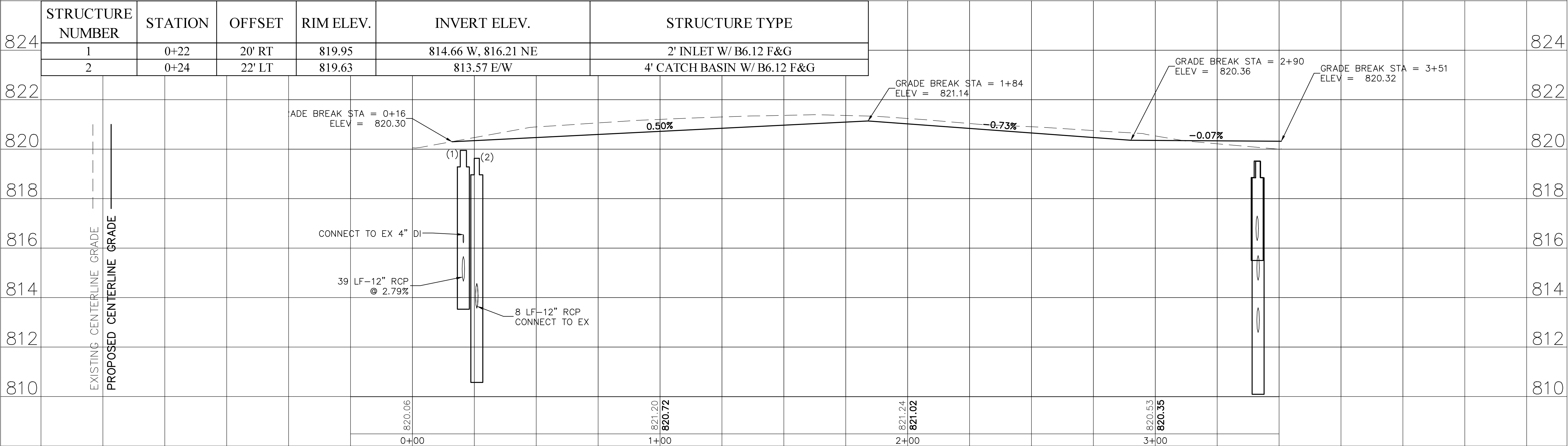
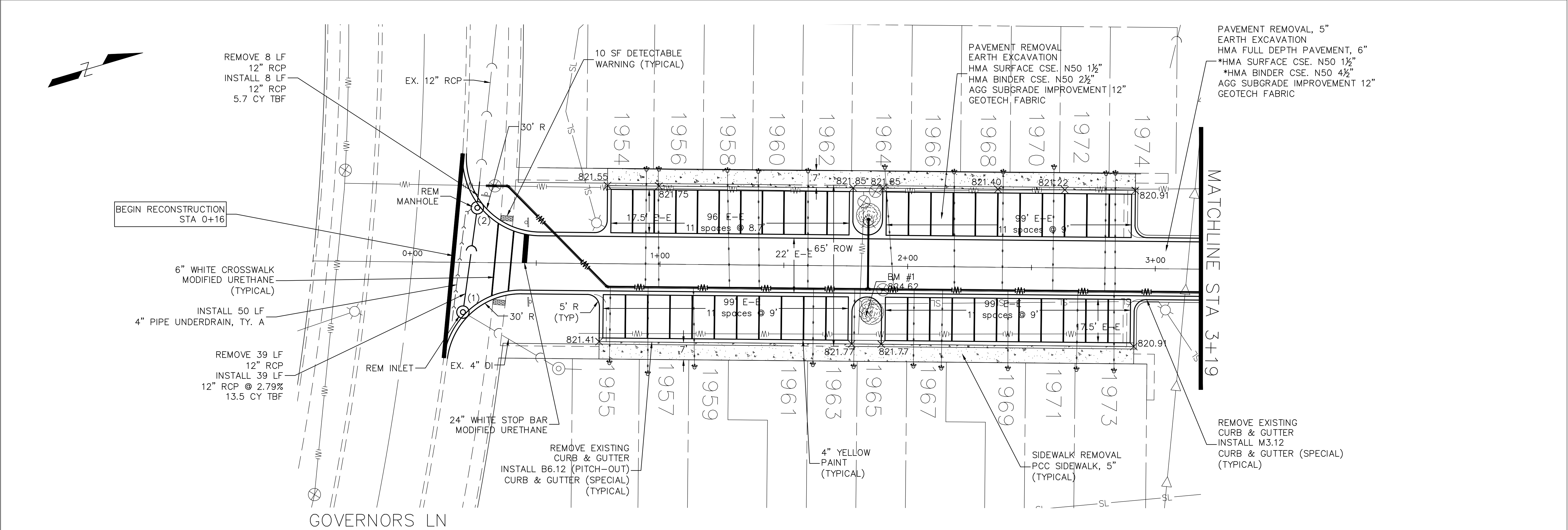
WILSHIRE DR



- NOTE:
- GUTTER FLAG TO MATCH PAVEMENT THICKNESS (MINIMUM 8")
 - FINISHED PAVEMENT TO BE 1/4" ABOVE EDGE OF GUTTER

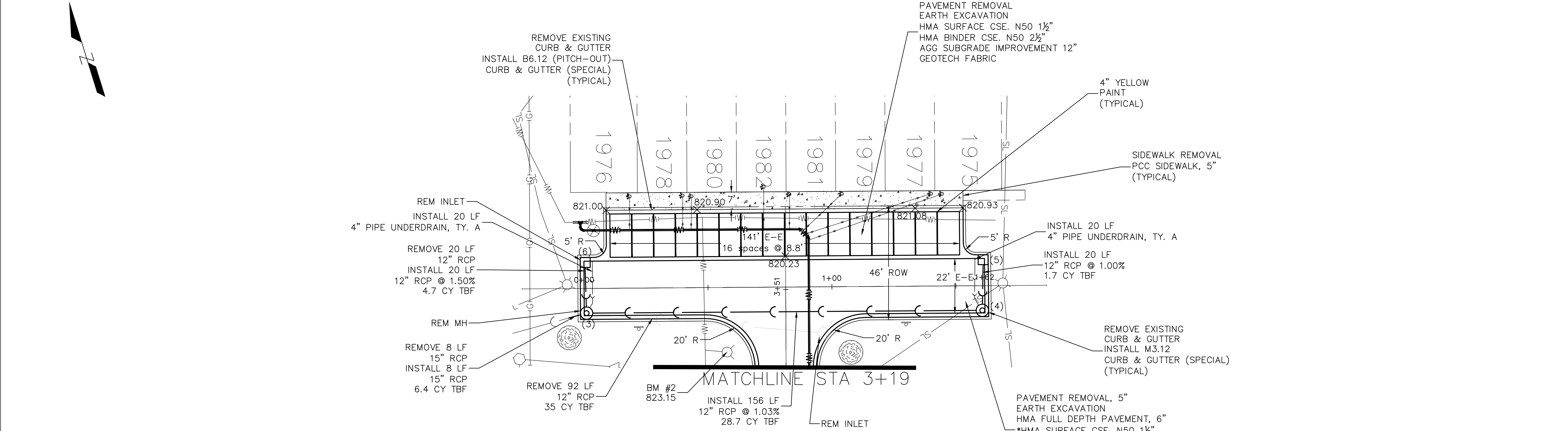
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PROFILE	SURVEYED	DATE	BY
NOTE BOOK	GRADES		
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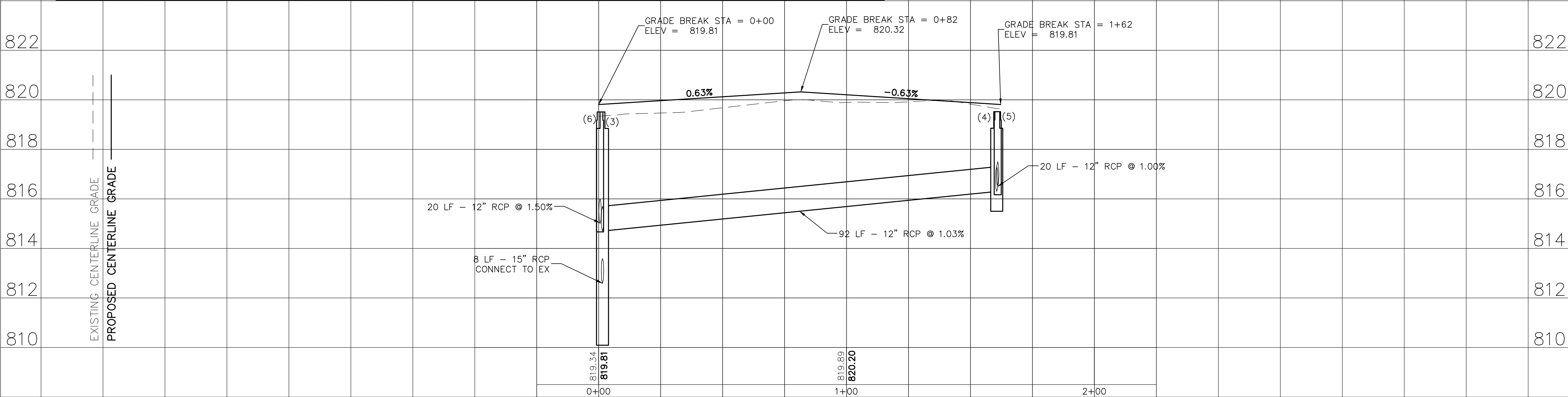


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PROFILE	SURVEYED	DATE	BY
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NOTE BOOK NO.	GRADES	CHECKED	DATE
	STRUCTURE		

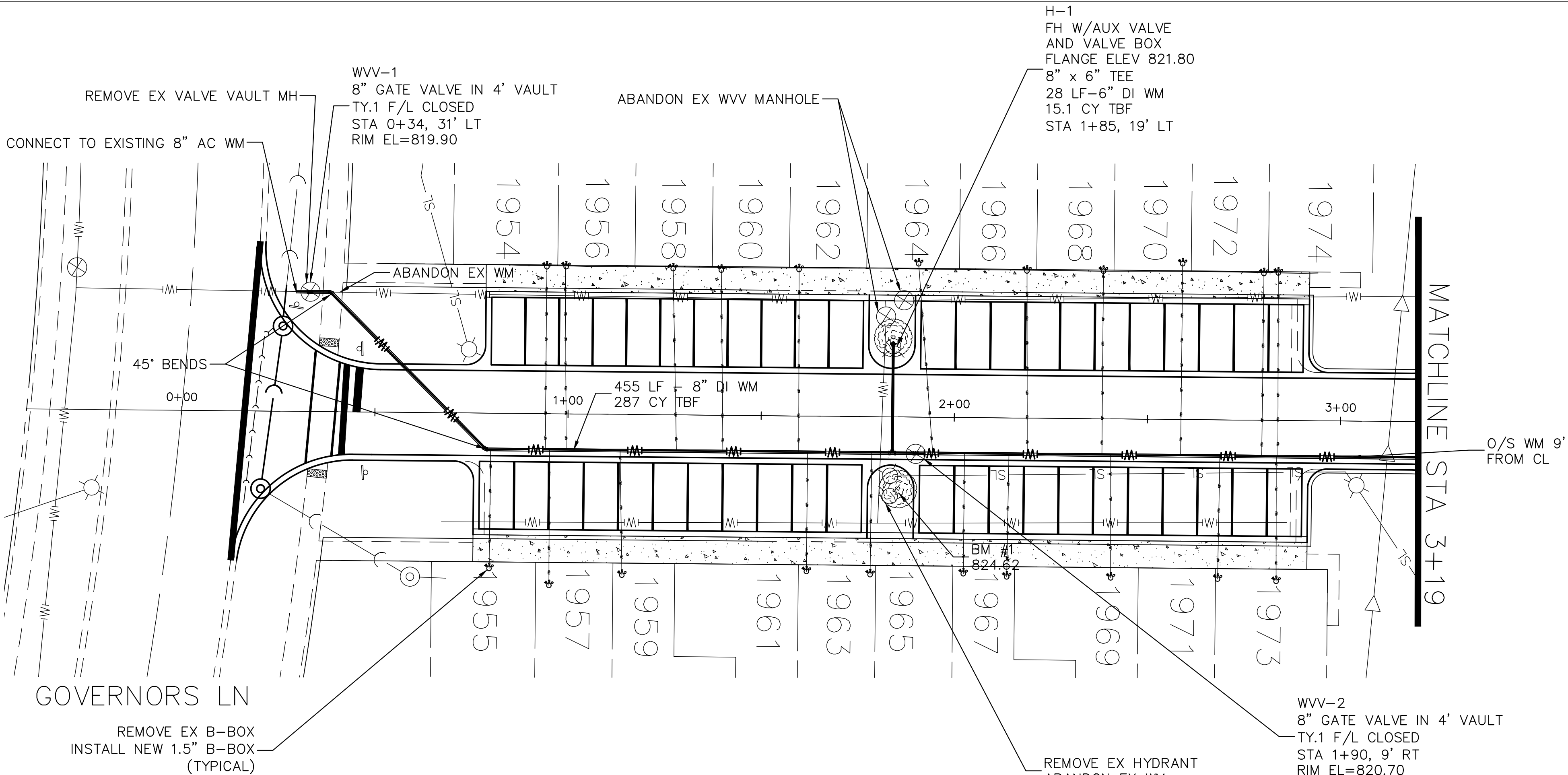


STRUCTURE NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
3	0+00	11' RT	819.51	814.70 N/E, 812.59 SW	4' CATCH BASIN W/ M3.12 F&G
4	1+62	11' RT	819.52	816.30 N/W	4' MANHOLE W/ M3.12 F&G
5	1+62	11' LT	819.52	816.50 S	2' INLET W/ M3.12 F&G
6	0+00	11' LT	819.51	815.00 S	2' INLET W/ M3.12 F&G

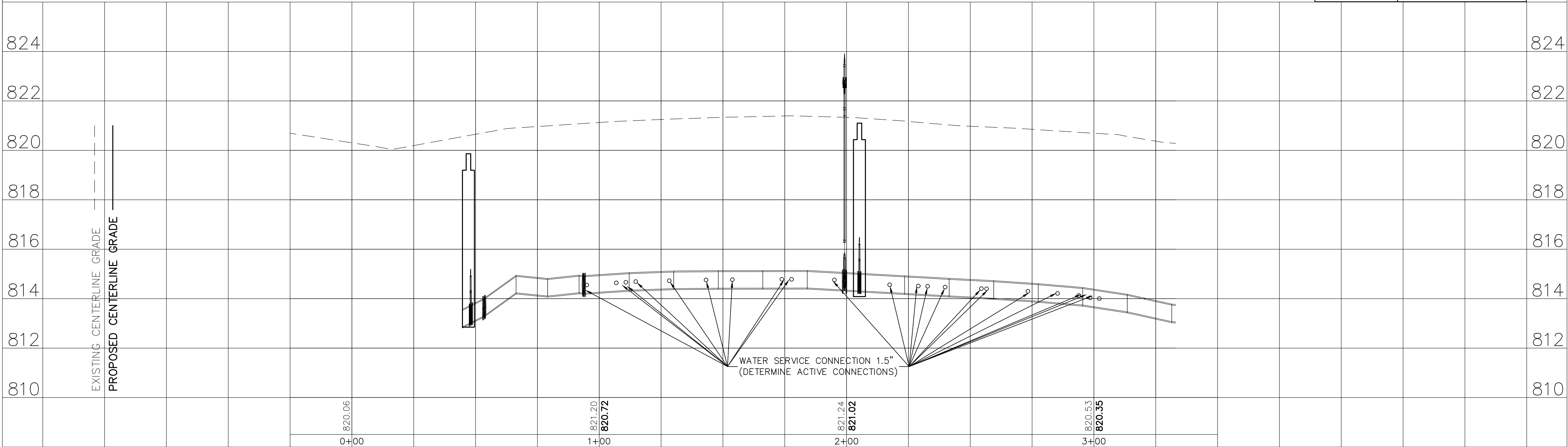


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NO.	DATE		

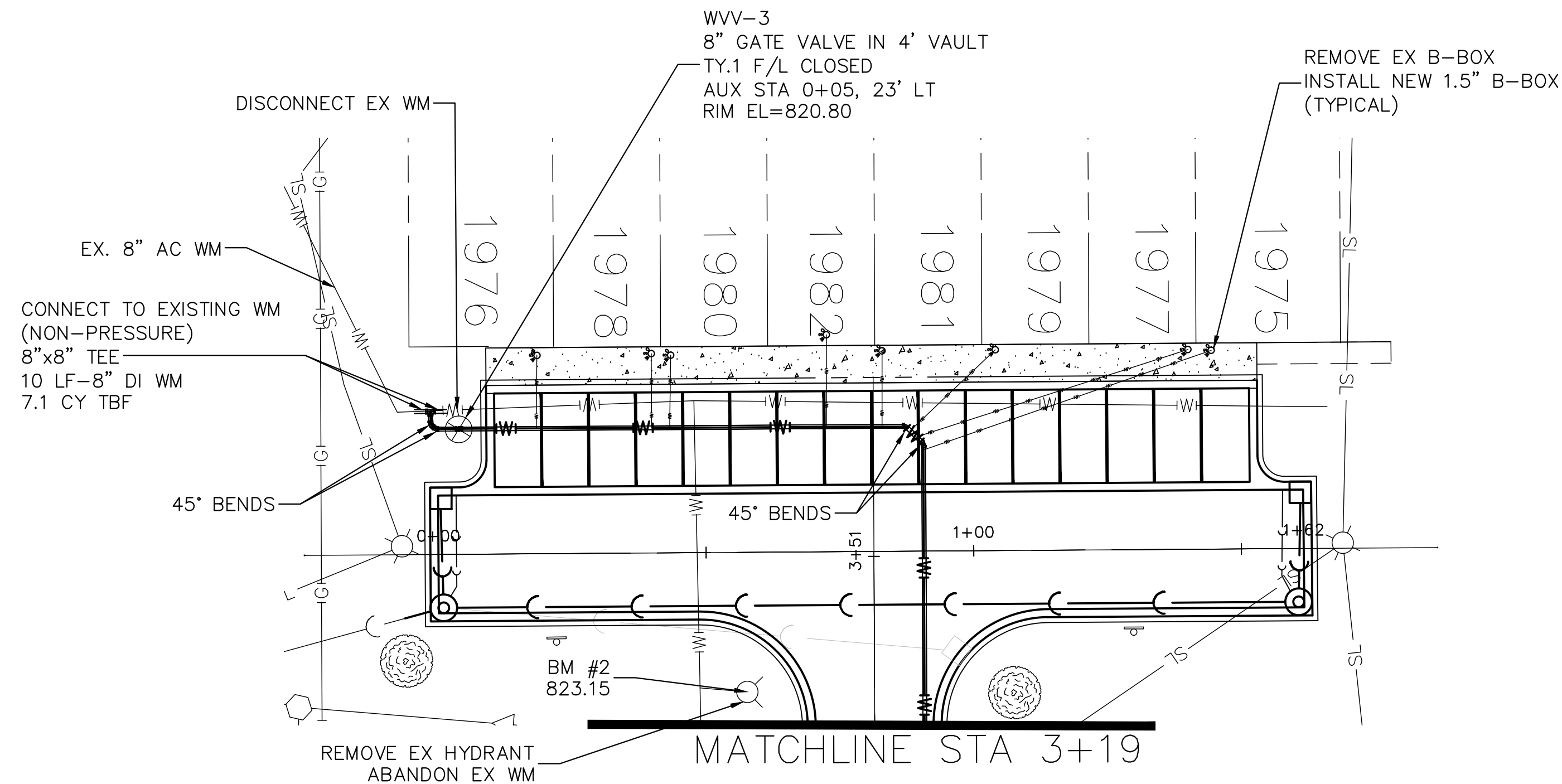
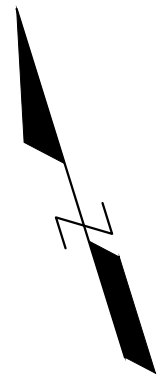
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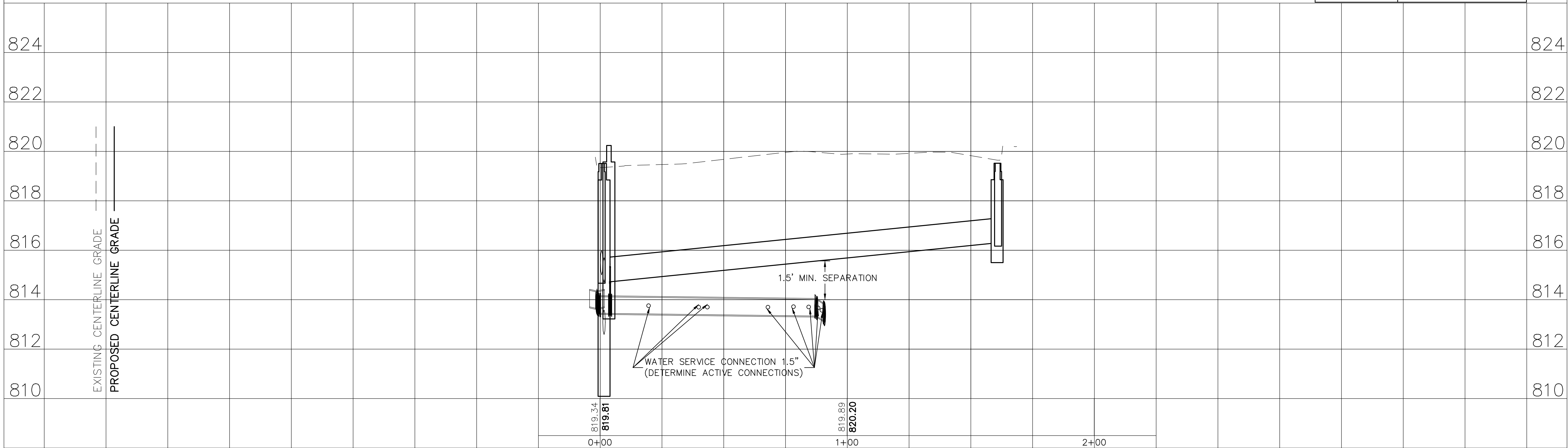
1.5" TYPE K COPPER WATER SERVICE	
Address	Length (ft)
1954	48
1955	32
1956	48
1957	36
1958	48
1959	33
1960	48
1961	32
1962	48
1963	32
1964	50
1965	32
1966	48
1967	32
1968	48
1969	32
1970	50
1971	33
1972	48
1973	50
1974	33



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

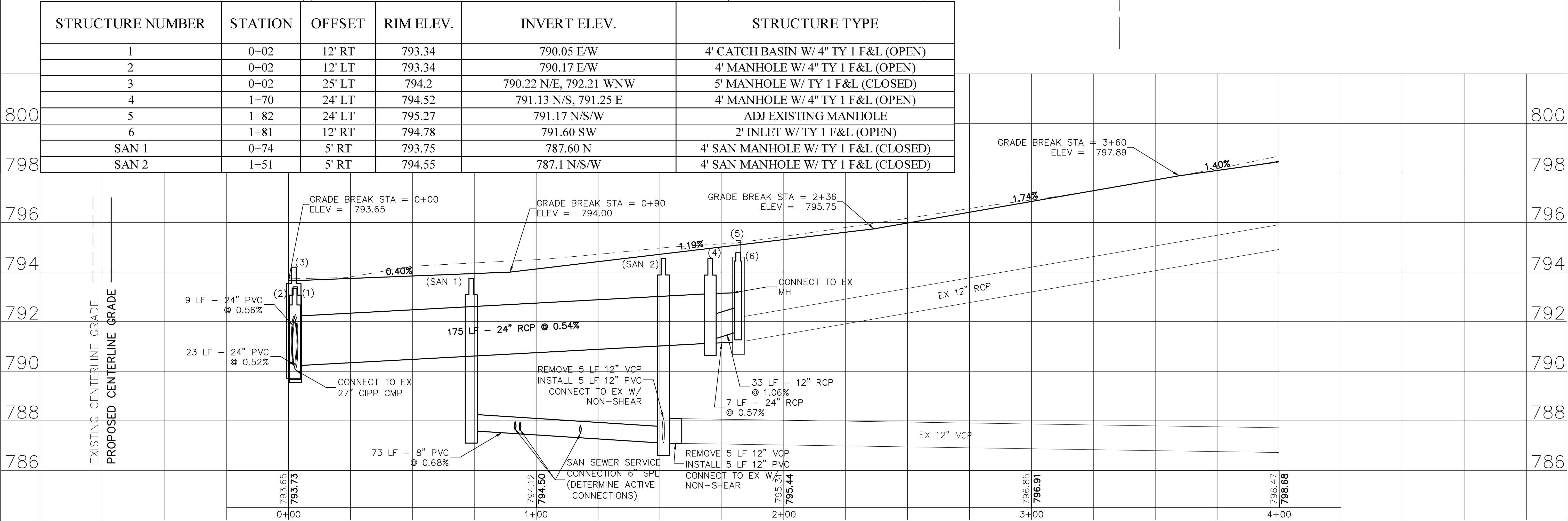
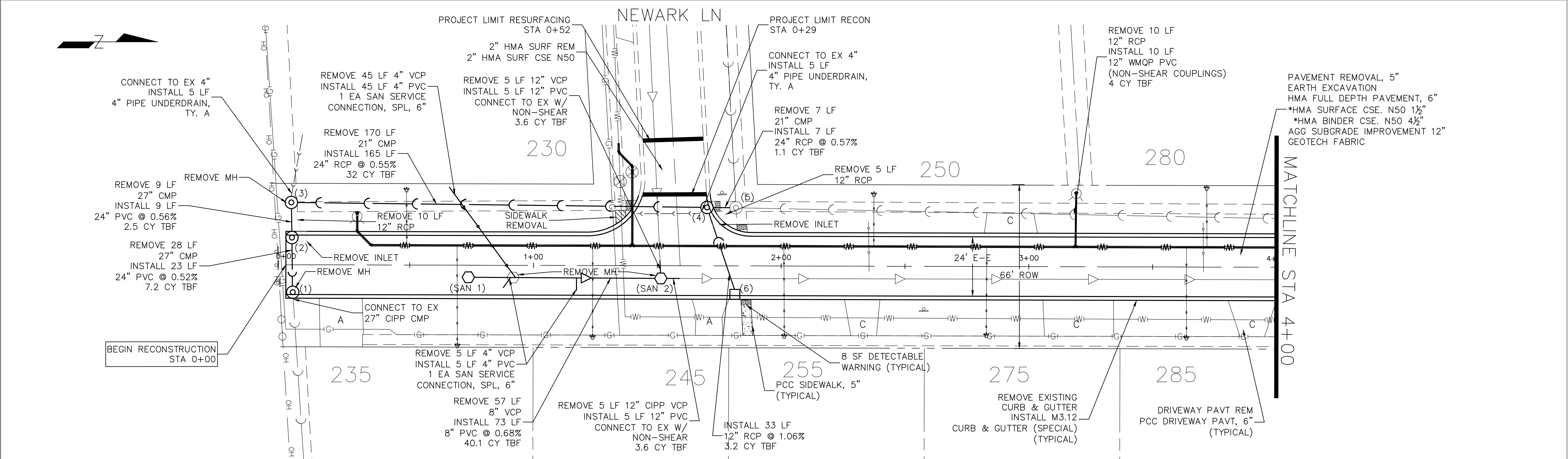


1.5" TYPE K COPPER WATER SERVICE	
Address	Length (ft)
1976	14
1978	14
1980	14
1982	18
1981	15
1979	23
1977	54
1975	58



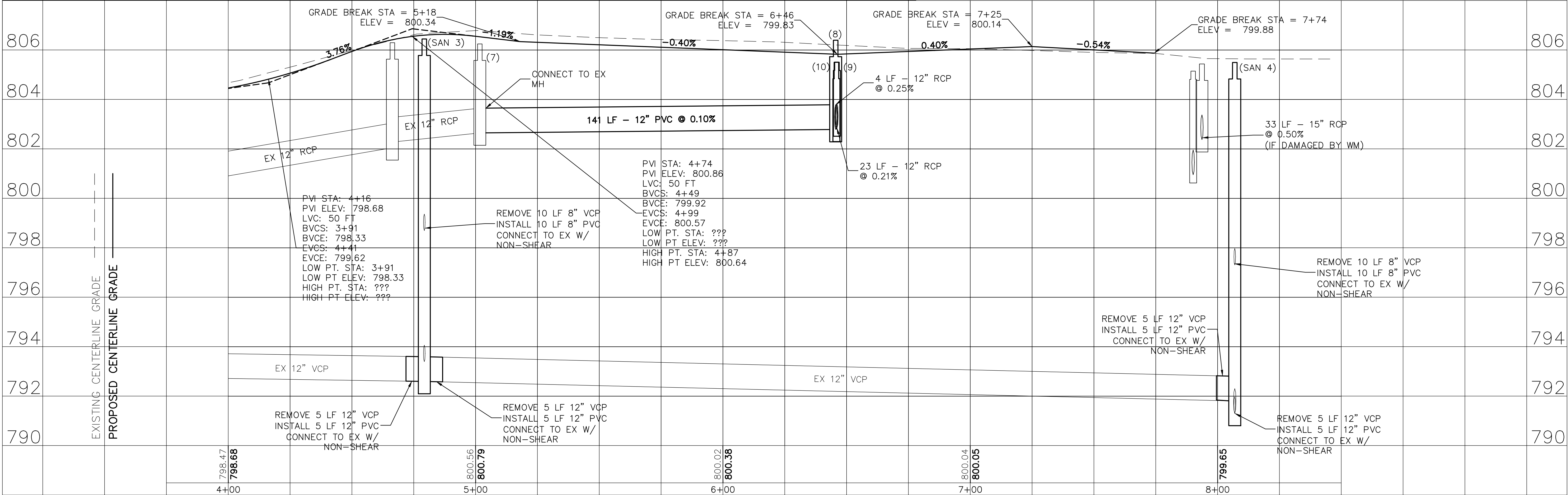
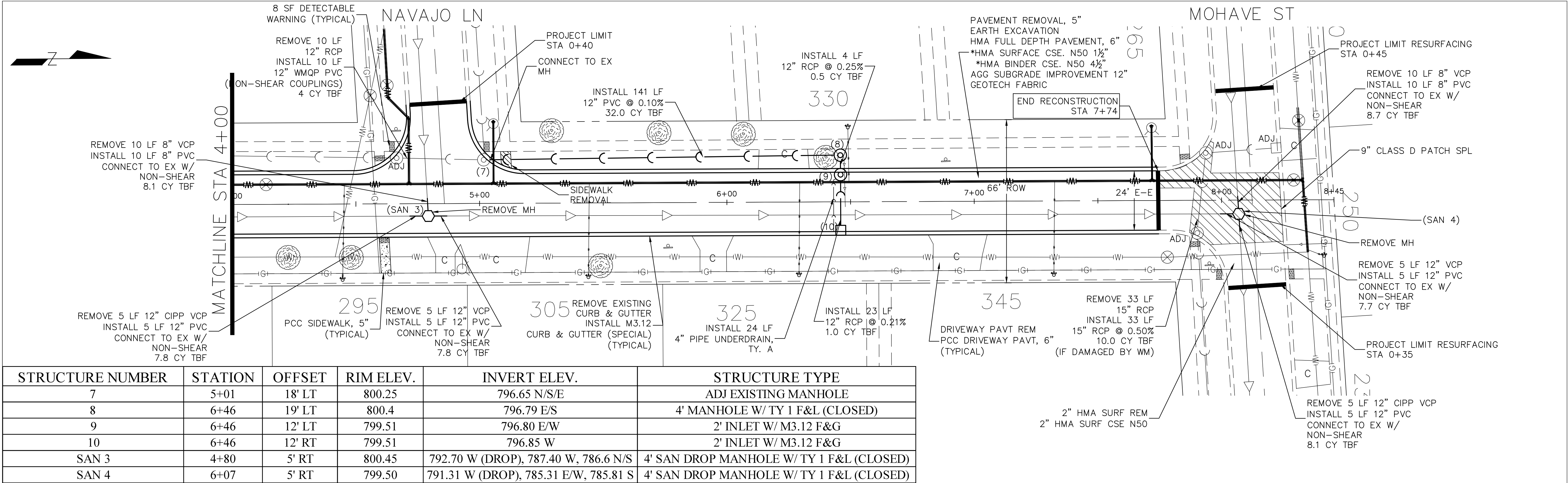
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NOTE BOOK	ALIGNED		
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	NAME		

PROFILE	SURVEYED	DATE	BY
NOTE BOOK	GRADES		
NO.	CHECKED		
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	NAME		



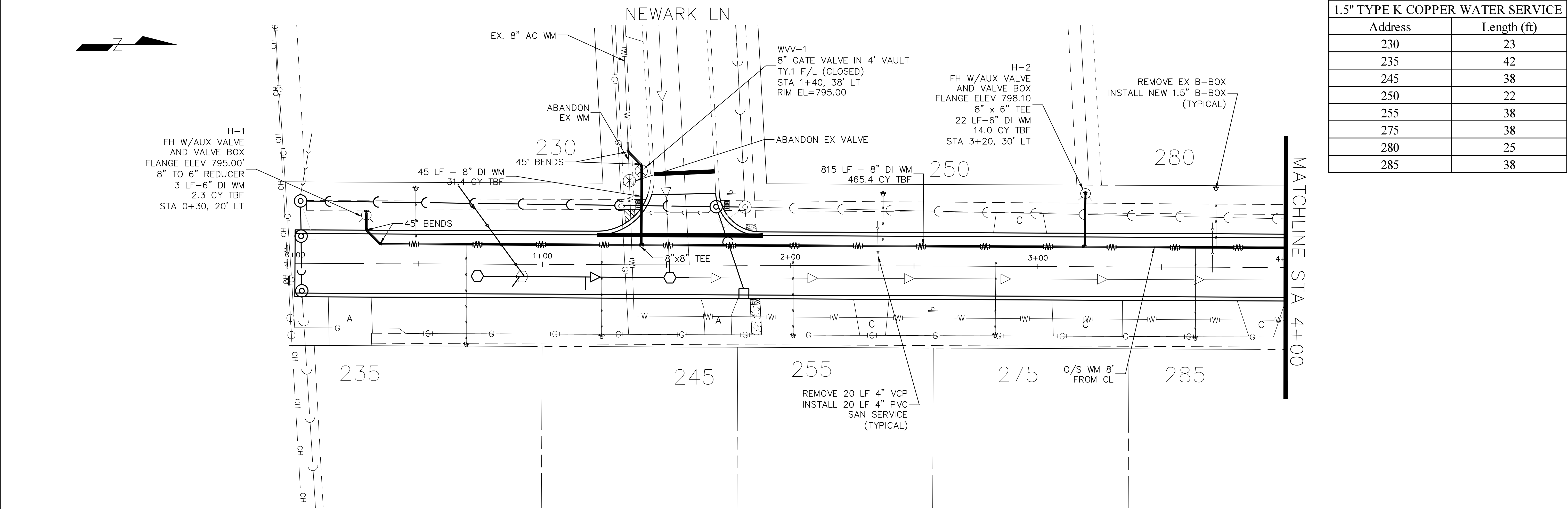
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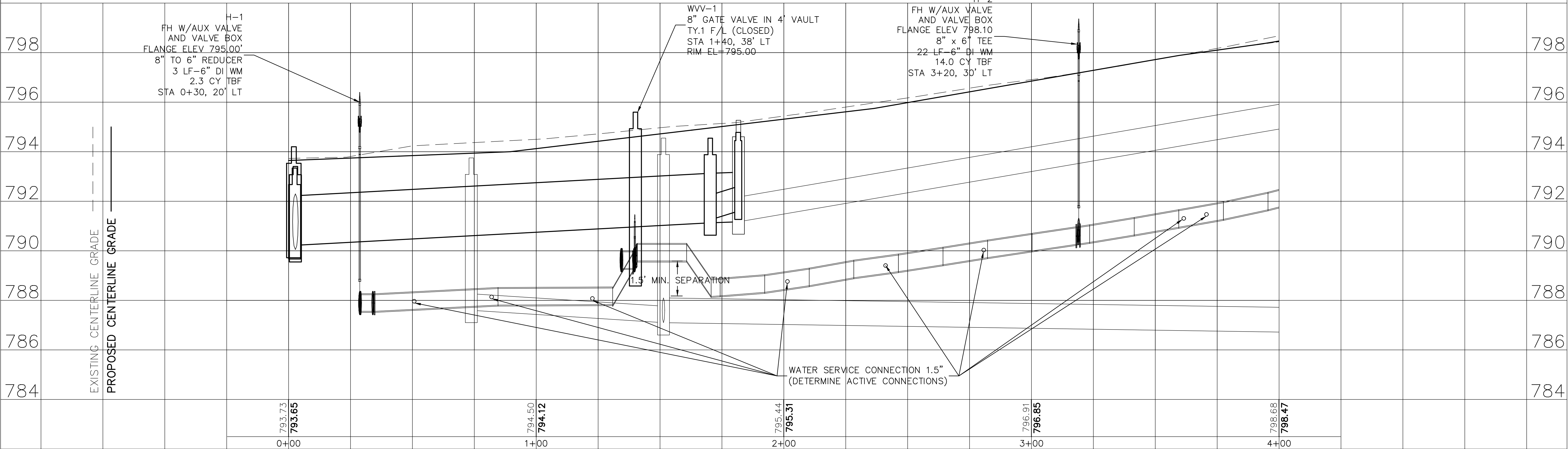


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NOTE BOOK	ALIGNMENT CHECKED
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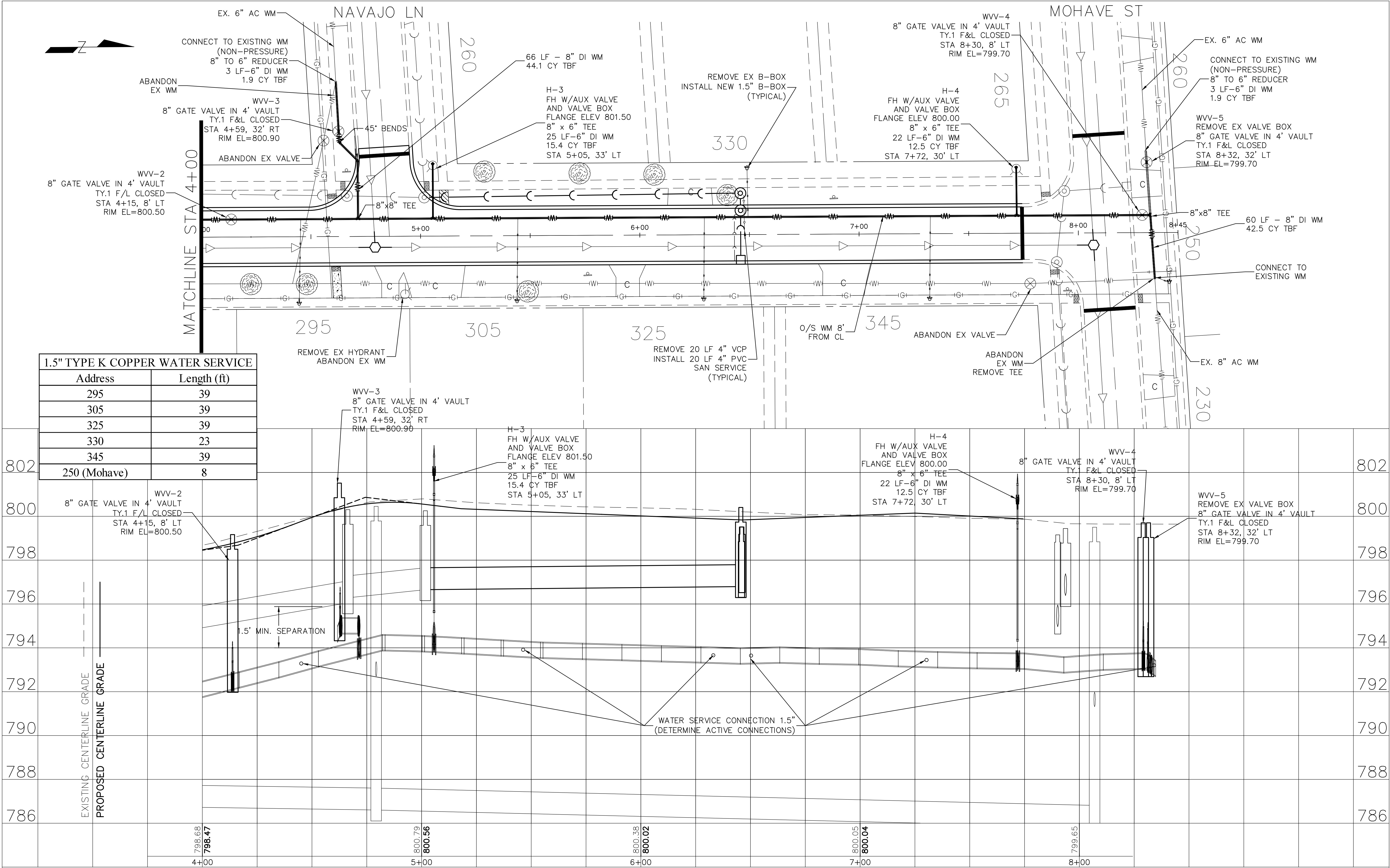


1.5" TYPE K COPPER WATER SERVICE	
Address	Length (ft)
230	23
235	42
245	38
250	22
255	38
275	38
280	25
285	38



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	NO.
	CHECKED	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	NO.
	CHECKED	
	CAD FILE NAME	



P:\HOFF\2500327-NOGALES STREET STORM SEWER REPLACE\CAD\01_CIVIL_3D\01_SHTS-PLANS\2500327-NOGALES-SHEETS_DESIGN.DWG RESTORATION PLAN
Plotted: 12/5/2025 1:37 PM By: RWILLIAMSON
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State of Illinois - Professional Design Firm
License No. - 184-001121 - Expires 4-30-27



CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

VILLAGE OF HOFFEMAN ESTATES
NOGALES

10+00.00

SCALE: HORIZ 1"=20' / VERT 1"=5'

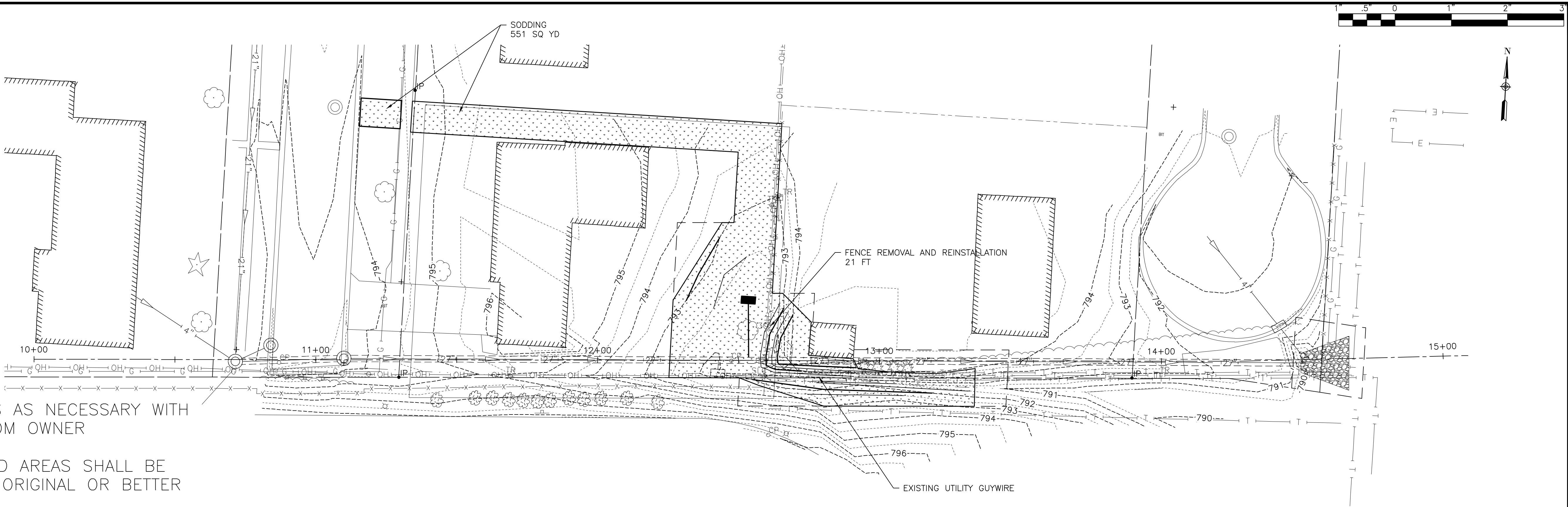
PROJECT NO: 2500327

DESIGNED - RW	TOTAL SHEETS	SHEET NO.
DRAWN - AAM	54	20
CHECKED -		
DATE - 5/31/25		

FINAL DESIGN

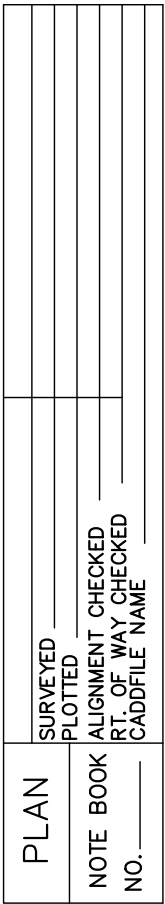
NOTES

1. REMOVE TREES AS NECESSARY WITH APPROVAL FROM OWNER
2. ANY DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITIONS
3. PROTECT EXISTING GUYWIRES DURING CONSTRUCTION

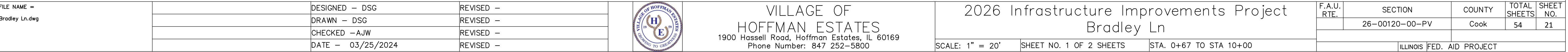


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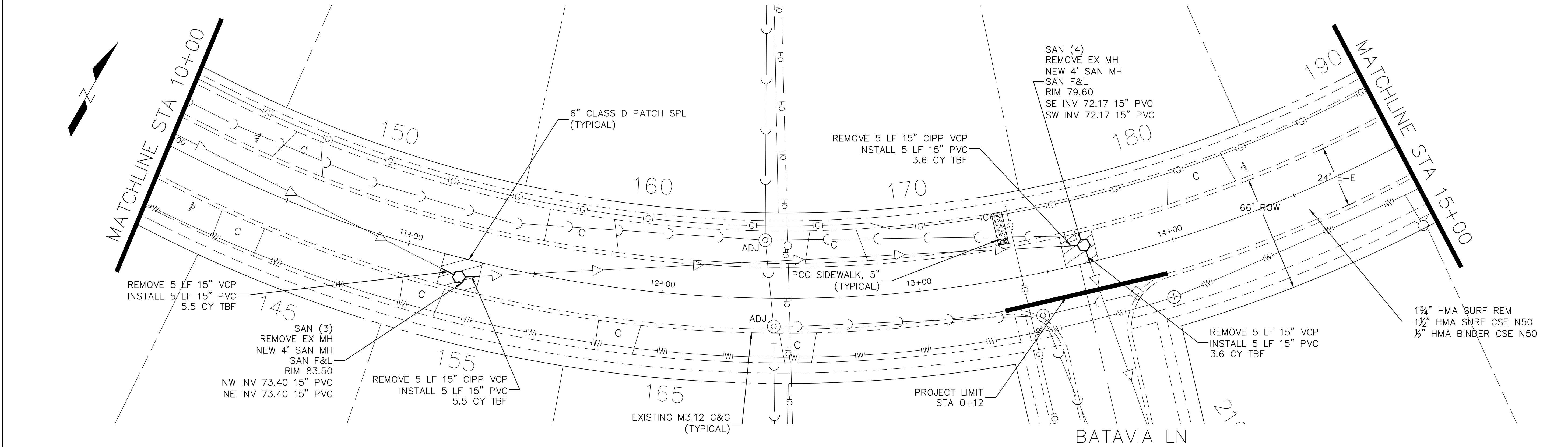
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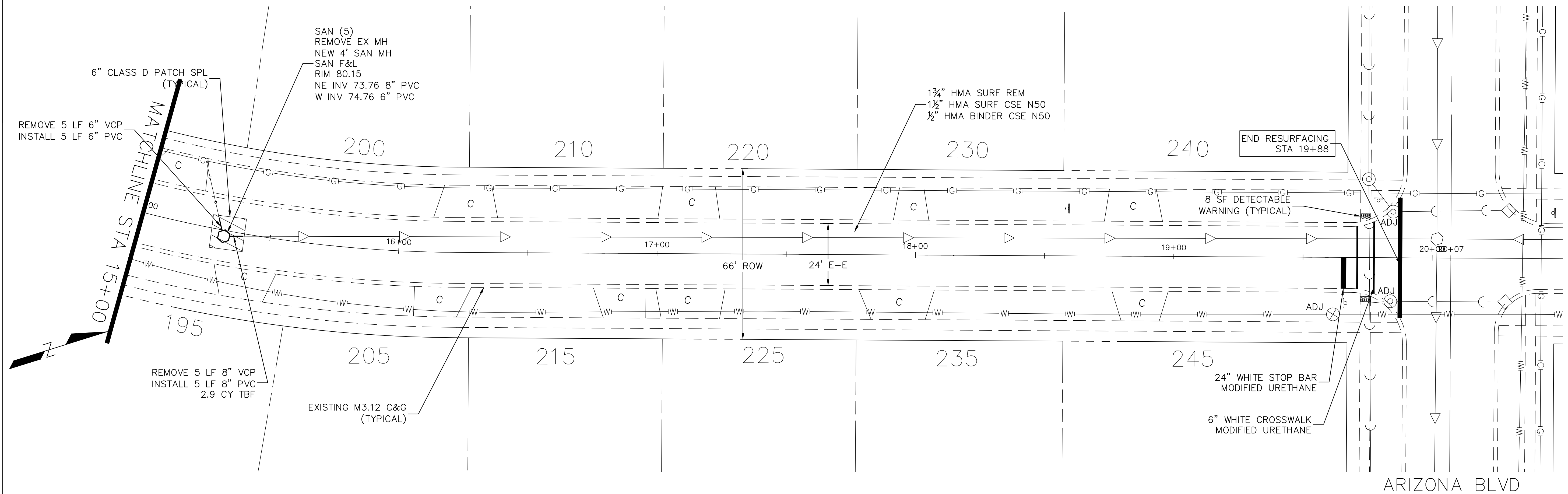
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NOTE BOOK	PLOTTED _____			
NO. _____	GRADES CHECKED _____			
	B.M. NOTED _____			
	STRUCTURE NOTATIONS CHK'D _____			



PLAN	SURVEYED	DATE	BY
NOTE BOOK	PLOTTED		
NO.	ALIGNED		
	CHECKED		
	DATE		
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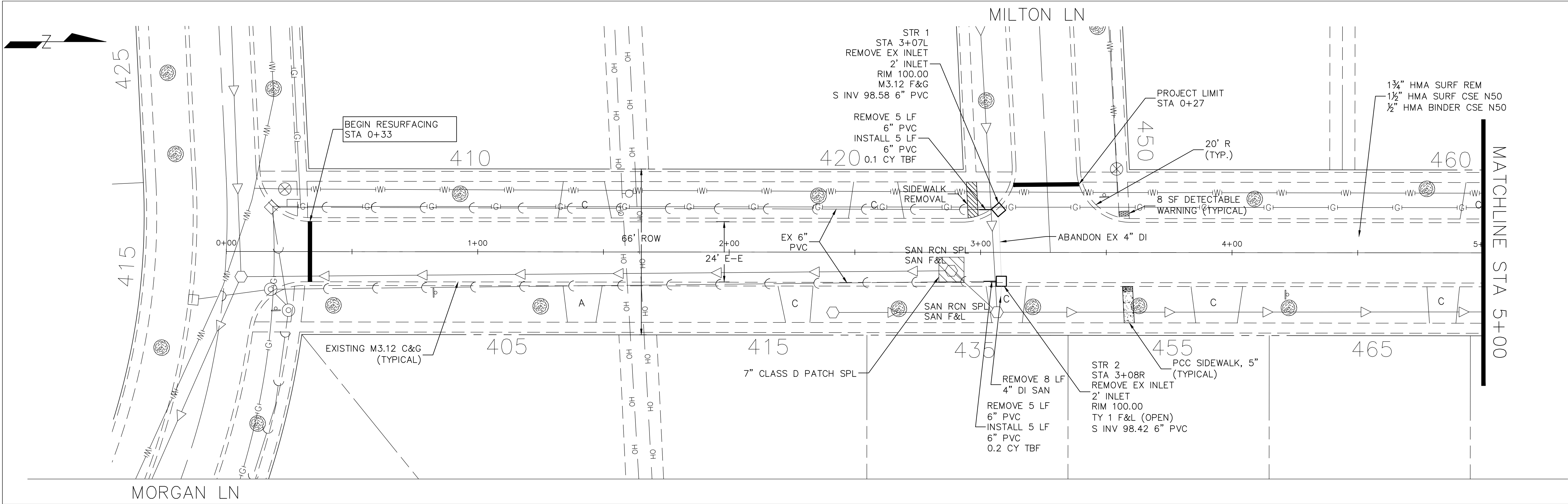


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NOTE BOOK	PLOTTED		
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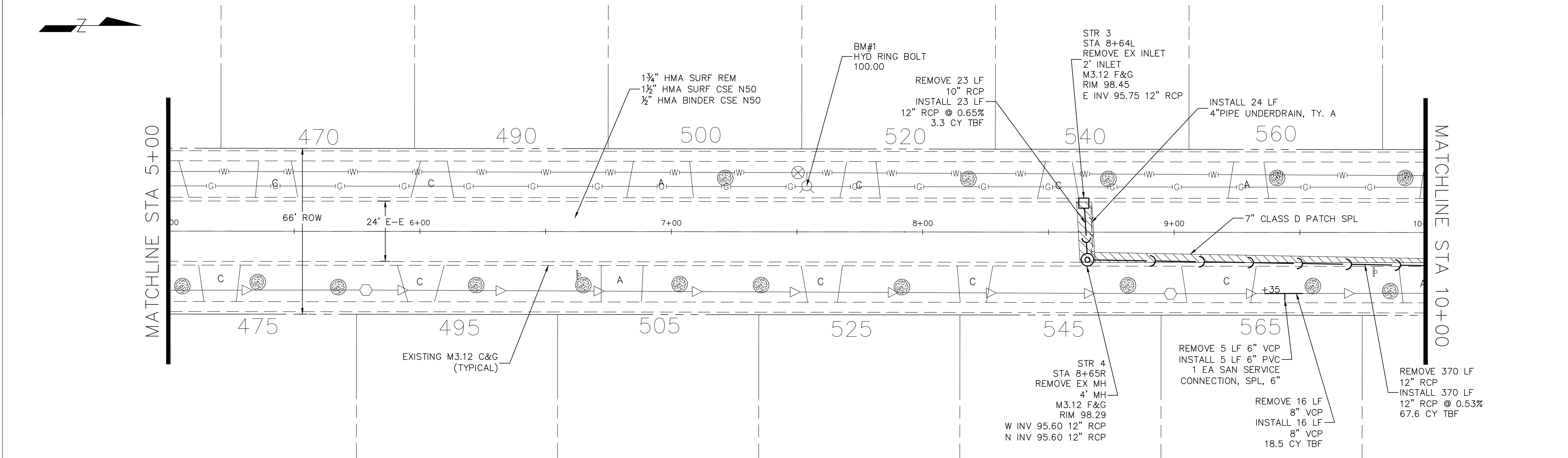


FILE NAME = Bradley Ln.dwg	DESIGNED - DSG DRAWN - DSG CHECKED - AJW DATE - 03/25/2024	REVISED - REVISED - REVISED - REVISED -		VILLAGE OF HOFFMAN ESTATES 1900 Hassell Road, Hoffman Estates, IL 60169 Phone Number: 847 252-5800	2026 Infrastructure Improvements Project Bradley Ln	SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. 10+00 TO STA 19+88	F.A.U. RTE. SECTION 26-00120-00-PV COUNTY Cook TOTAL SHEETS 54 SHEET NO. 22	ILLINOIS FED. AID PROJECT
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PLAN	SURVEYED	DATE	BY
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	CHECKED		
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	DATE		

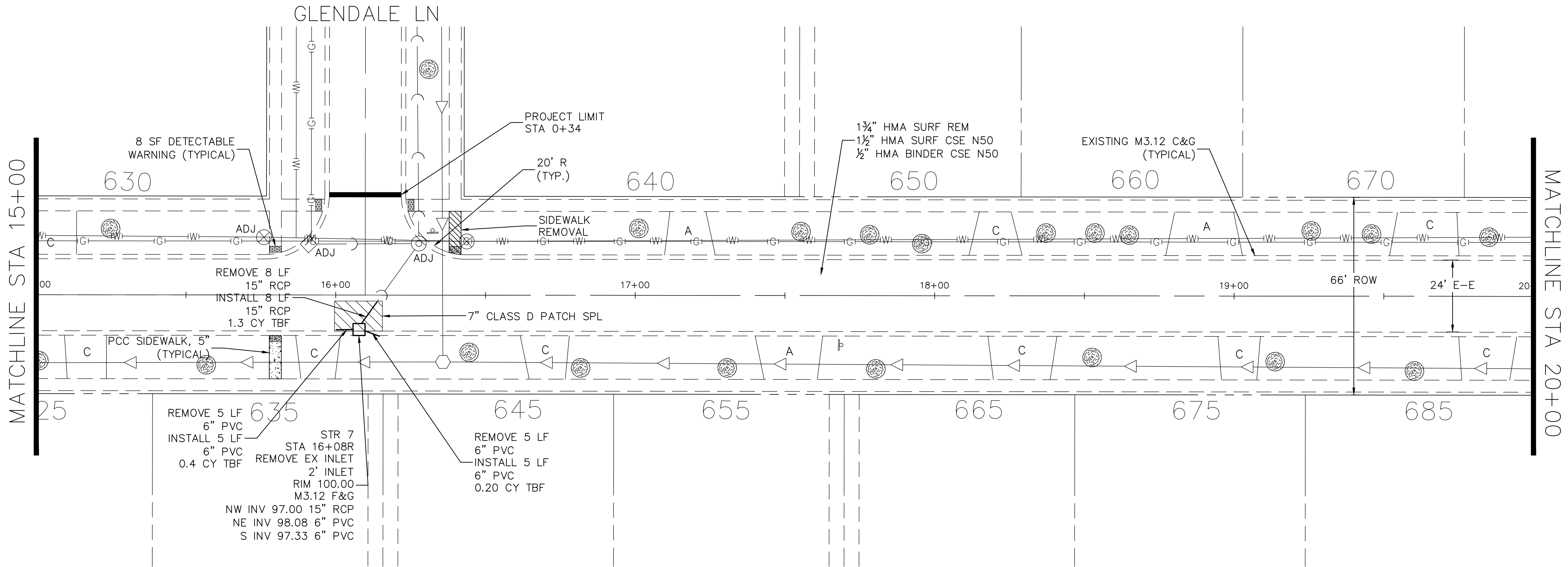
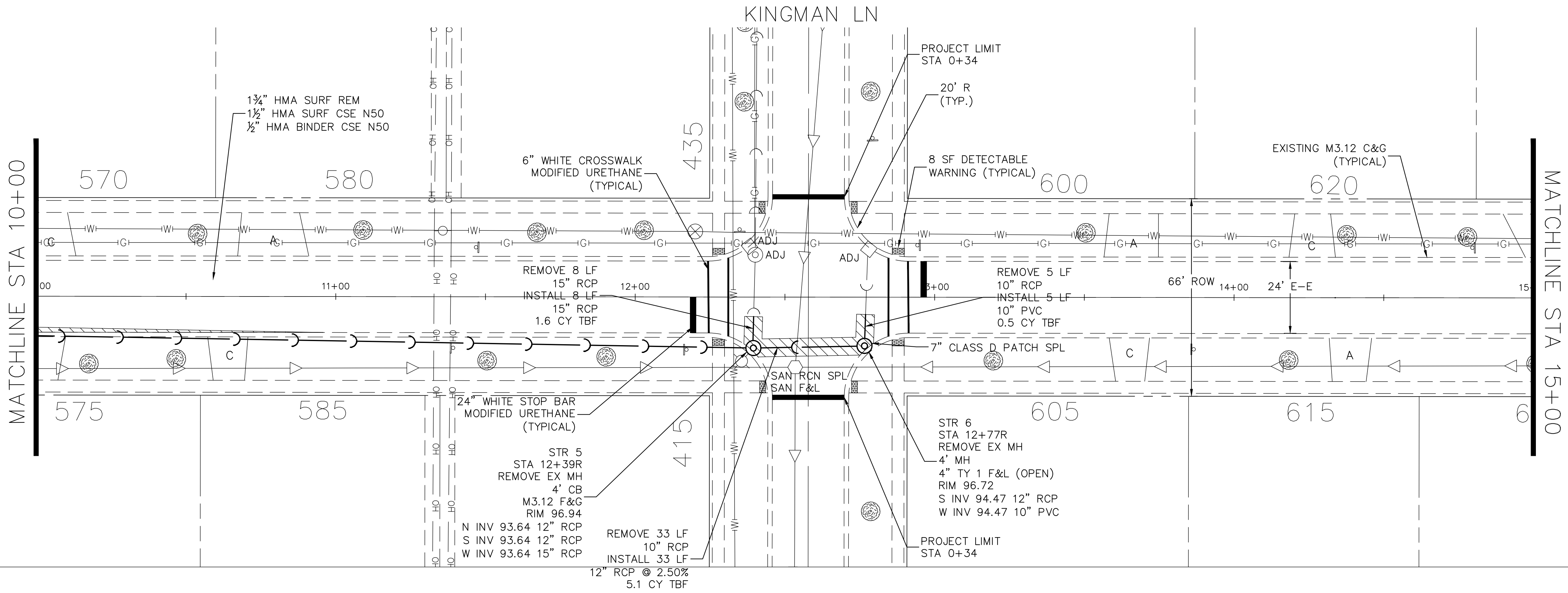


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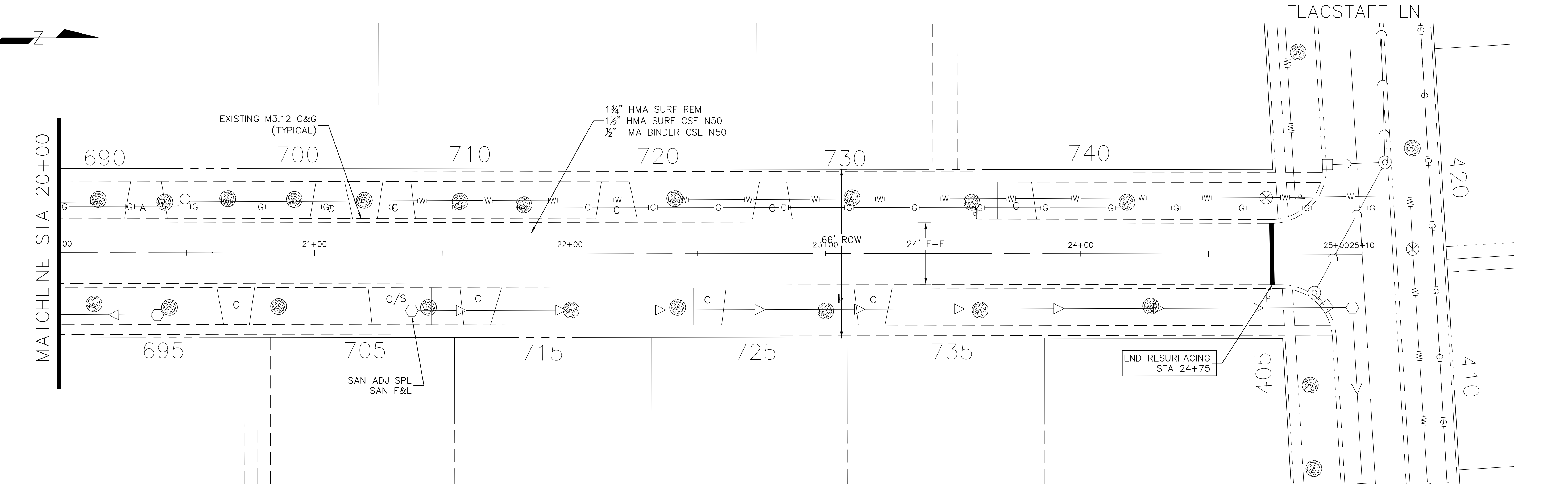
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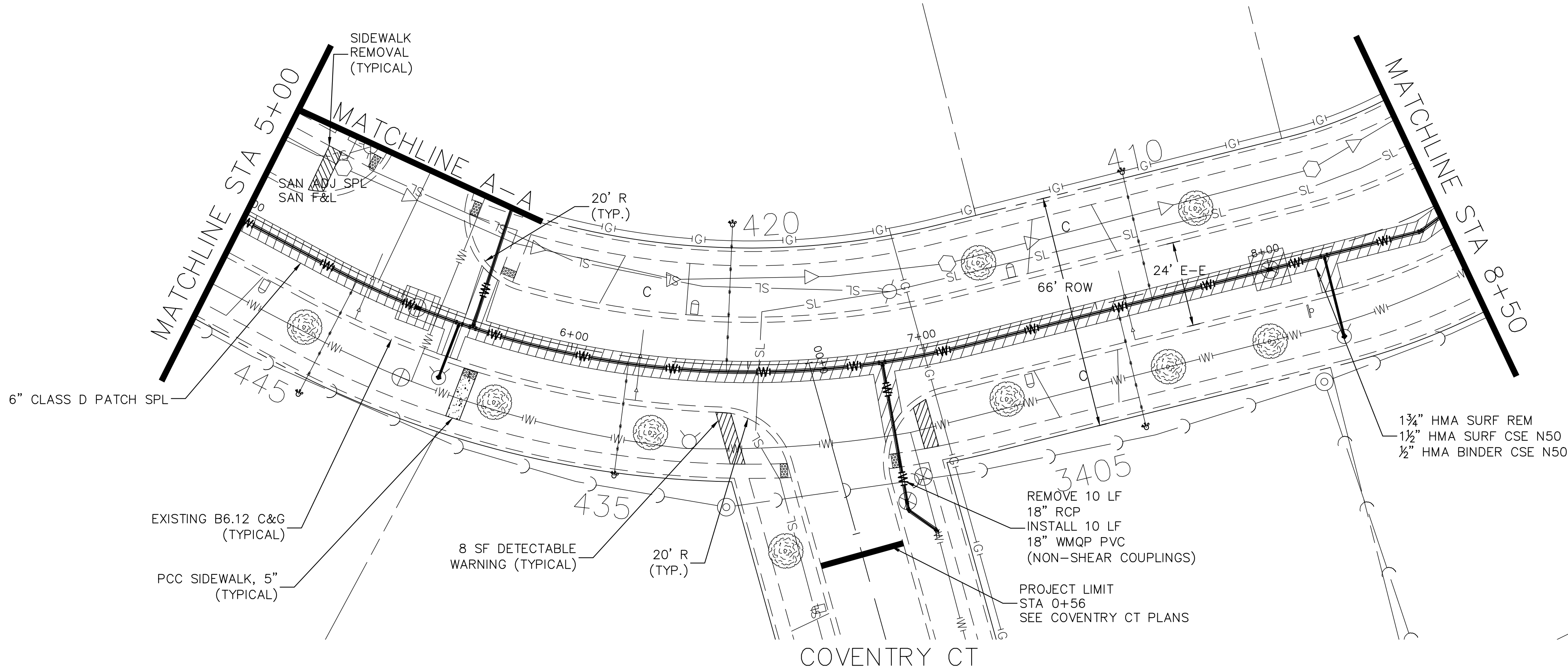


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NOTE BOOK	ALIGNMENT CHECKED		
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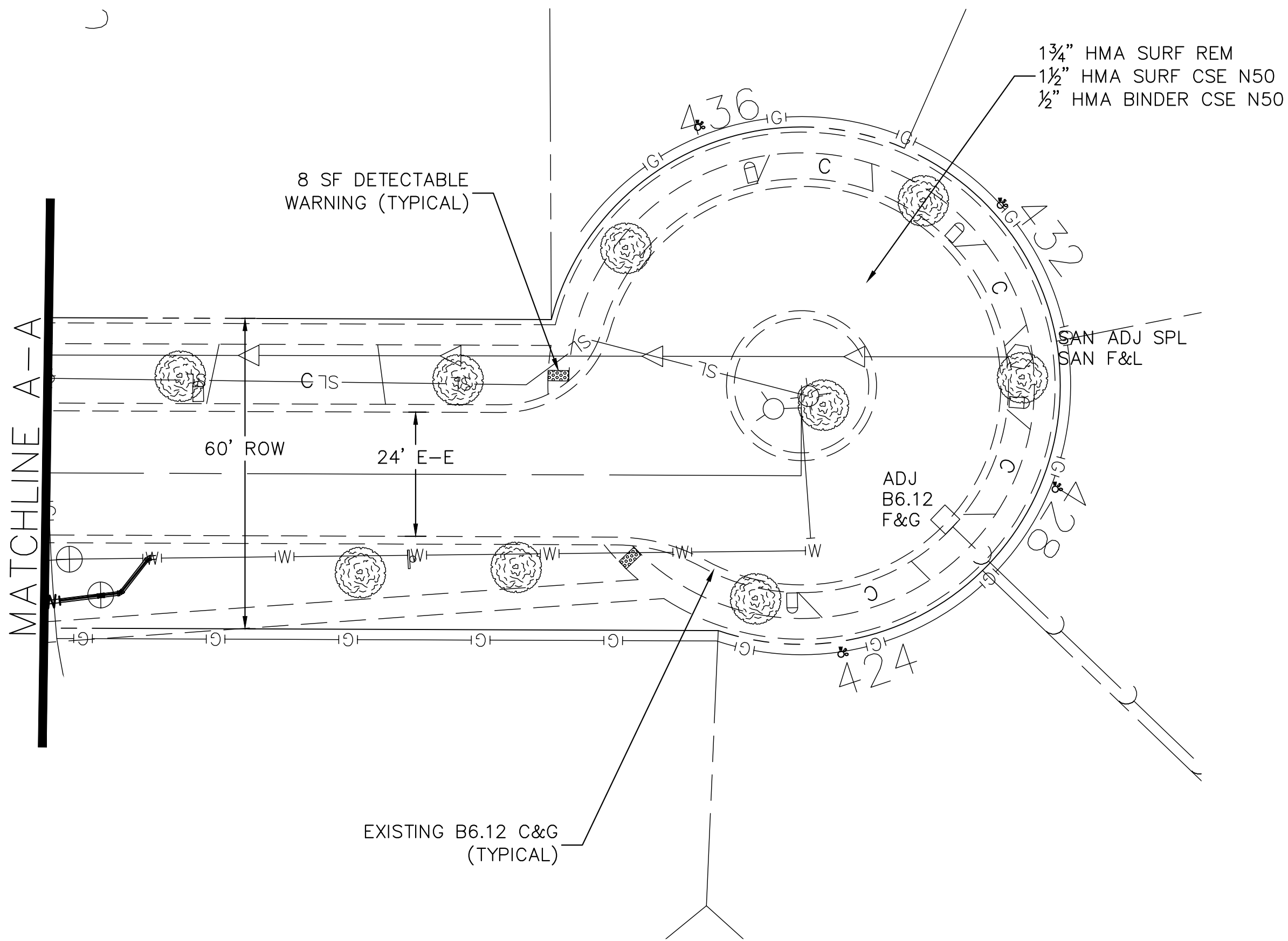
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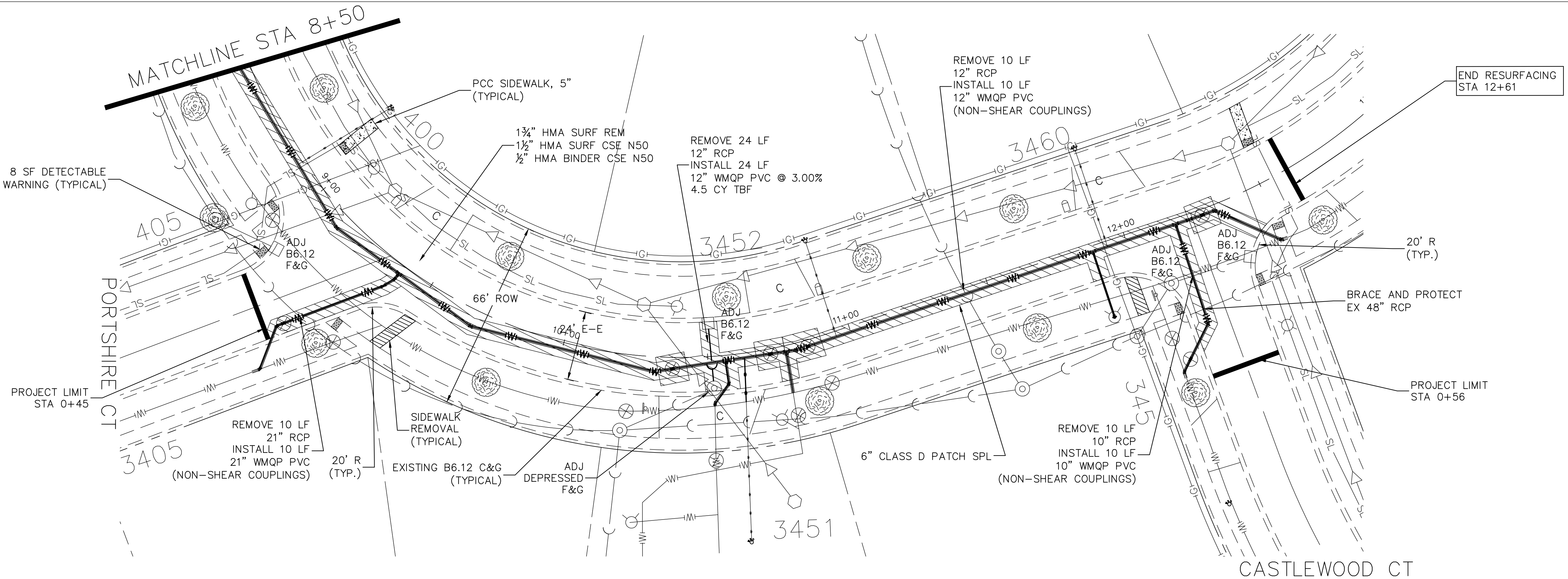
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SURVEYED _____				
PLOTTED _____				
NOTE BOOK	GRADES CHECKED			
NO. _____	B.M. NOTED			
	STRUCTURE			
	NOTATION	CHKD		



PLAN	SURVEYED	DATE	BY
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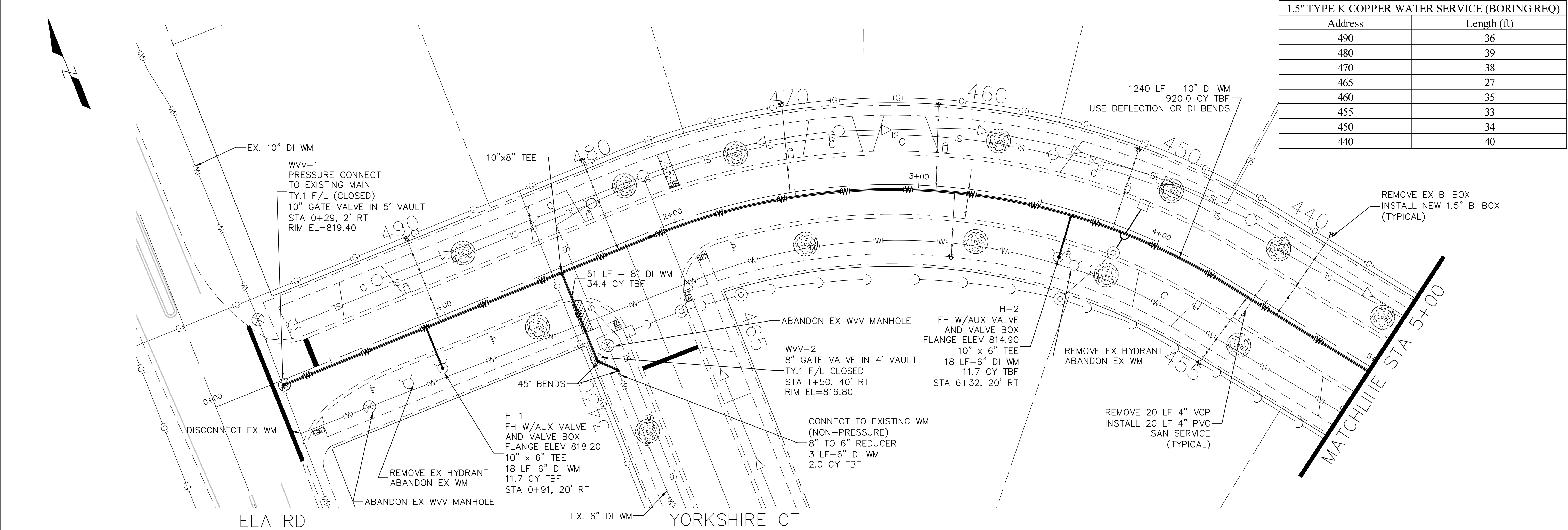
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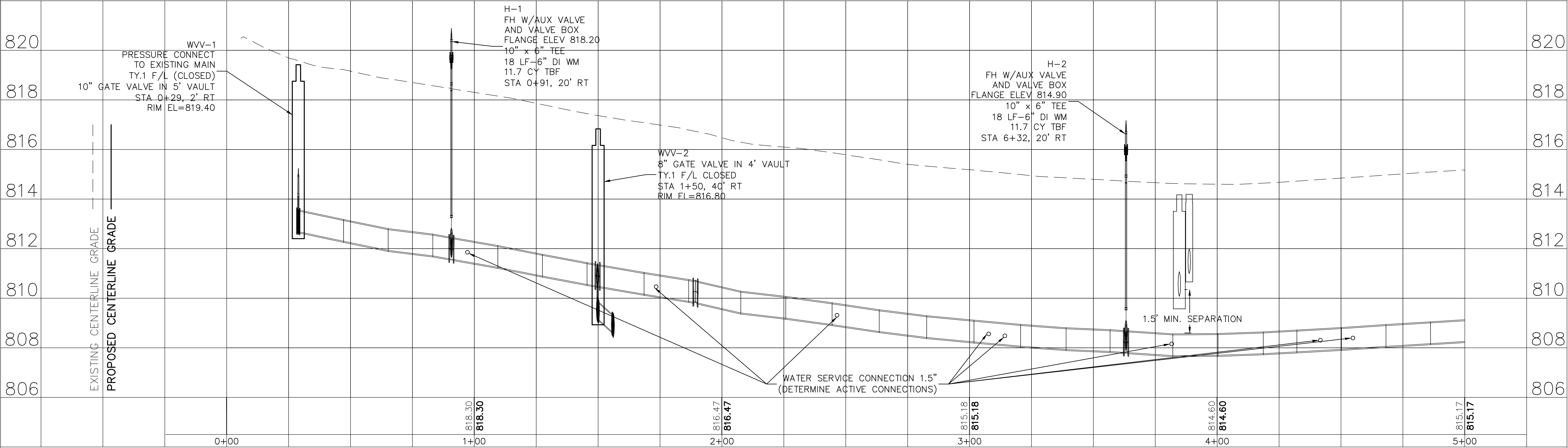
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PLAN	SURVEYED	DATE	BY
	NOTED		
	PLOTTED		
	ALIGNED		
	CHECKED		
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PROFILE	SURVEYED	DATE	BY
	NOTED		
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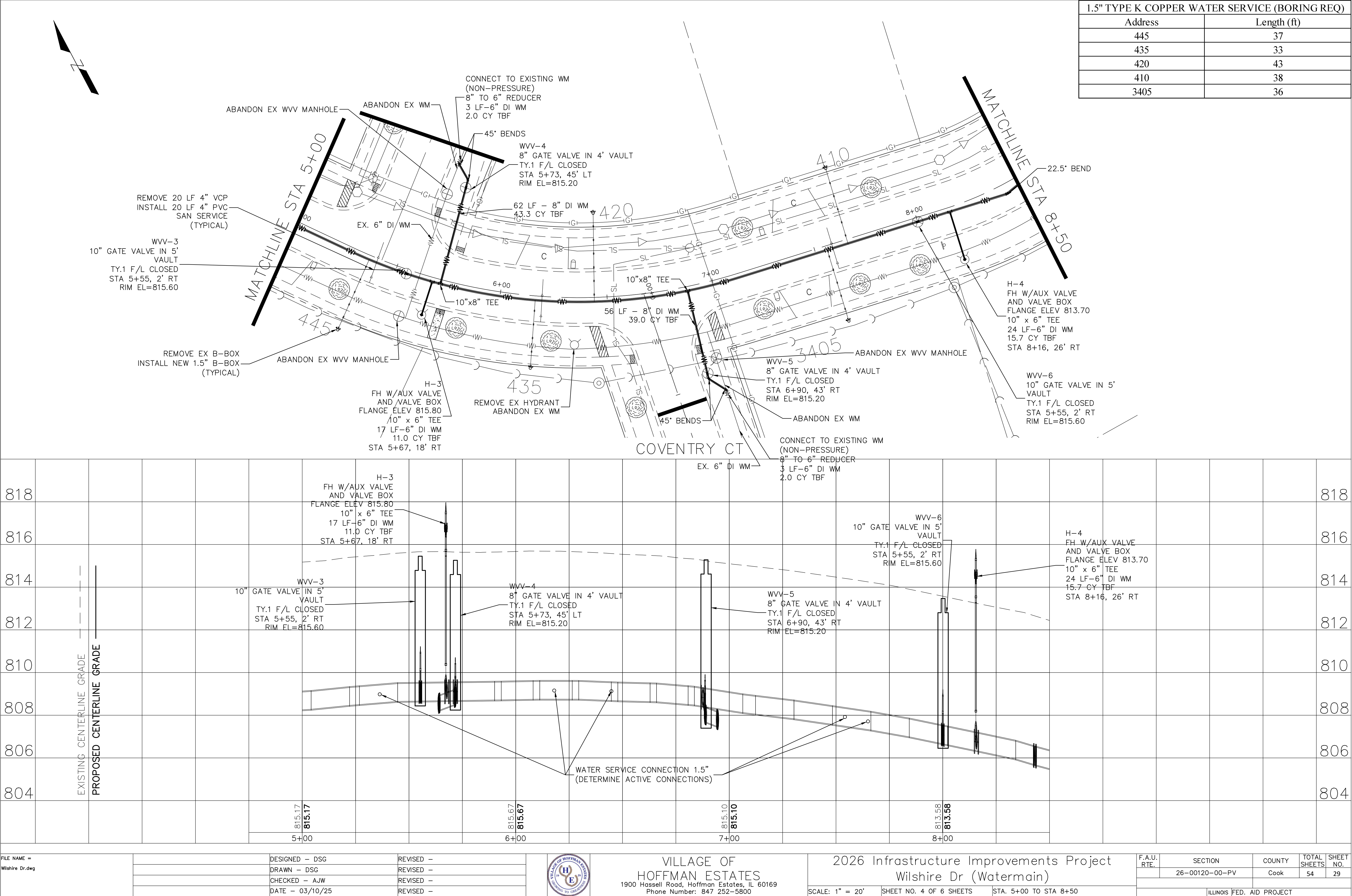


1.5" TYPE K COPPER WATER SERVICE (BORING REQ)	
Address	Length (ft)
490	36
480	39
470	38
465	27
460	35
455	33
450	34
440	40



PLAN	SURVEYED	DATE	BY
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

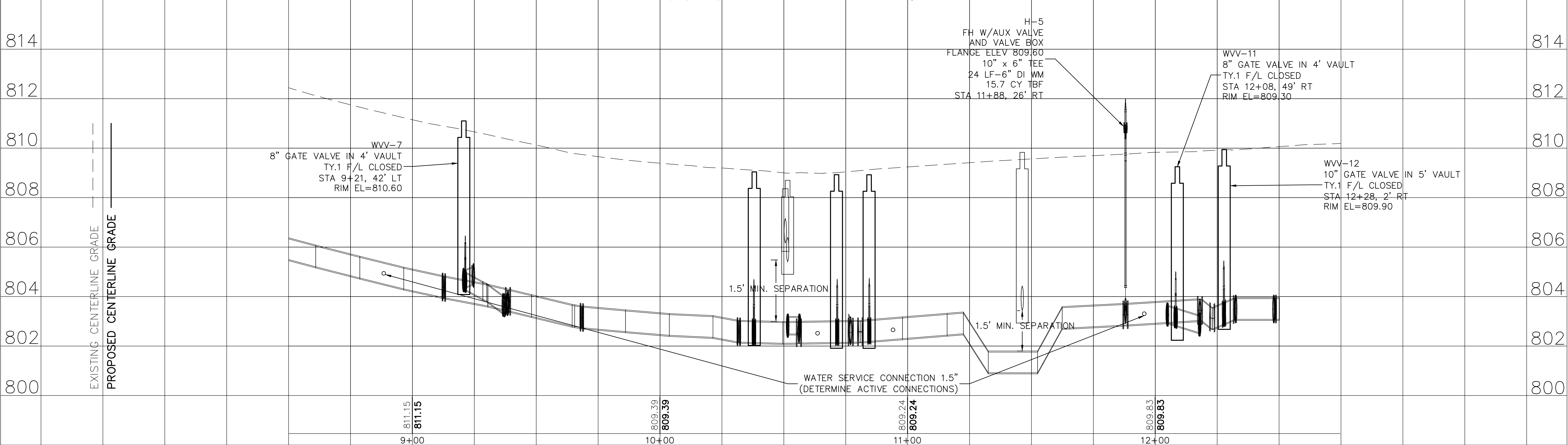
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	PLOTTED		
	NOTE BOOK GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
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PLAN	SURVEYED	DATE	BY
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTED		
	DATE		
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PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	NOTE BOOK GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
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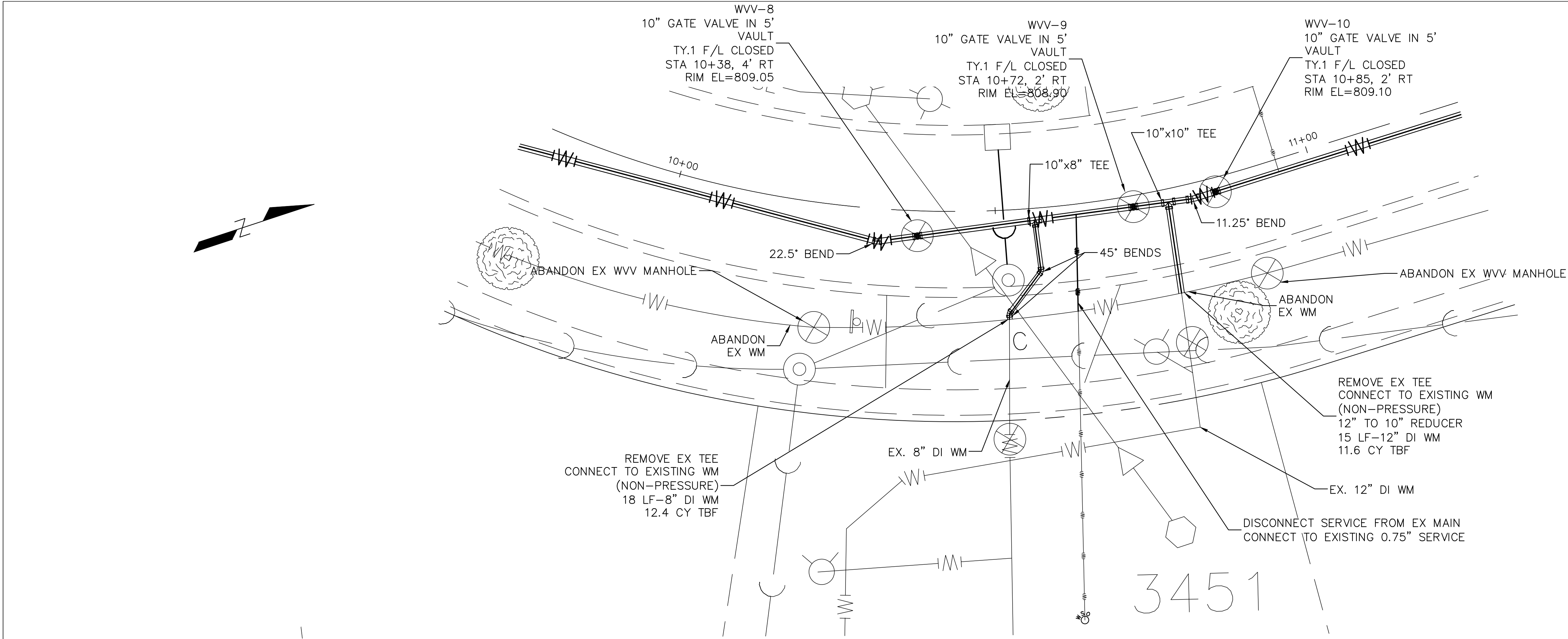
MAINLINE DI BENDS	
STA	ANGLE (degrees)
8+43	22.5
9+12	22.5
9+69	22.5
10+32	22.5
10+81	11.25



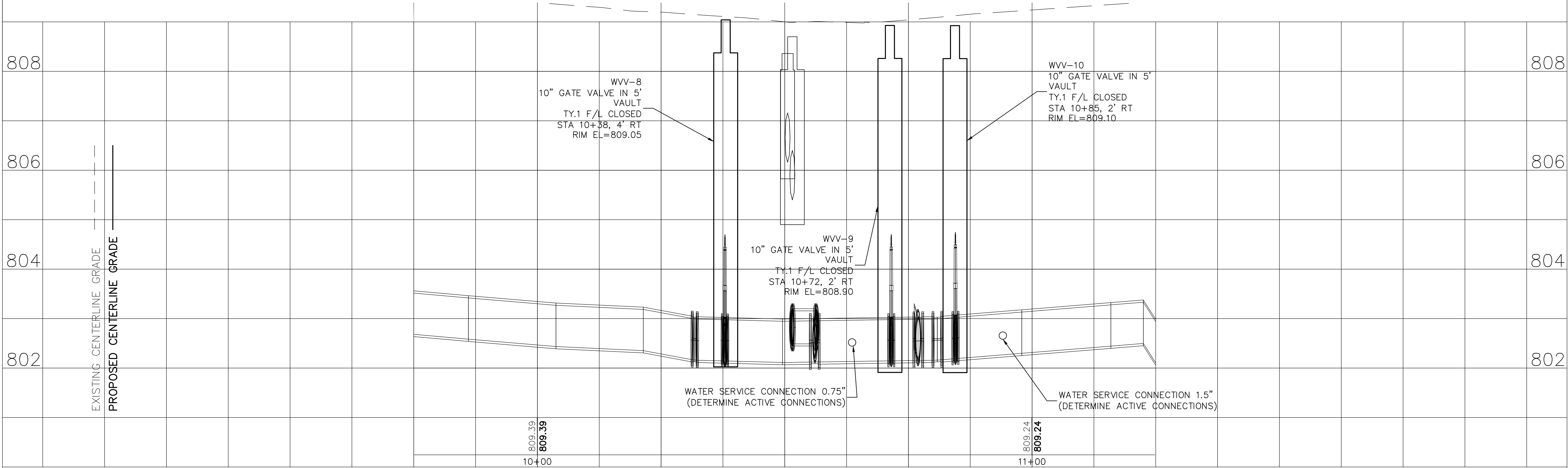
1.5" TYPE K COPPER WATER SERVICE (BORING REQ)	
Address	Length (ft)
400	38
3460	36

PLAN	SURVEYED	DATE	BY
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
NO.	DATE		

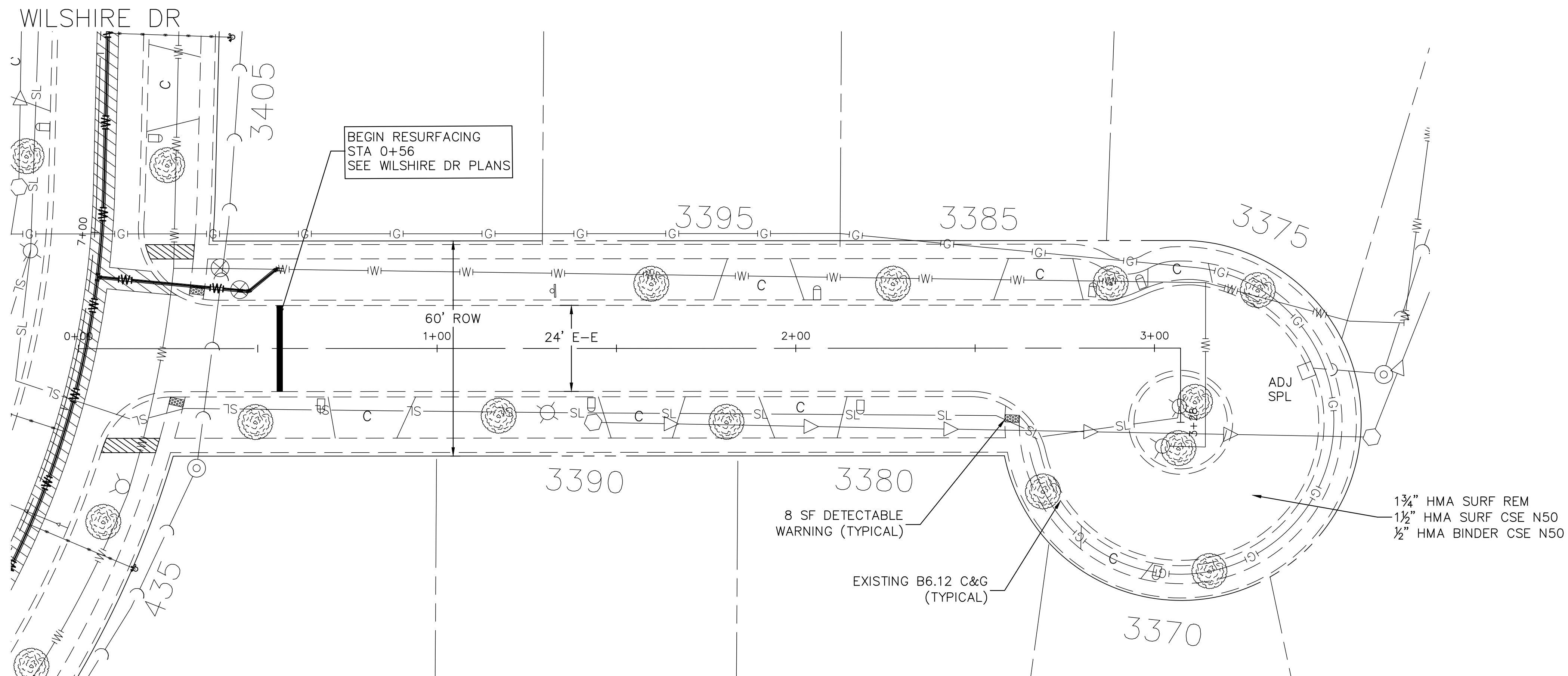
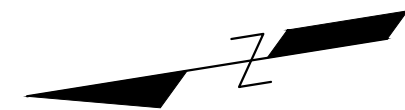
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	PLOTTED		
NOTE BOOK	GRADES CHECKED		
NO.	DATE		



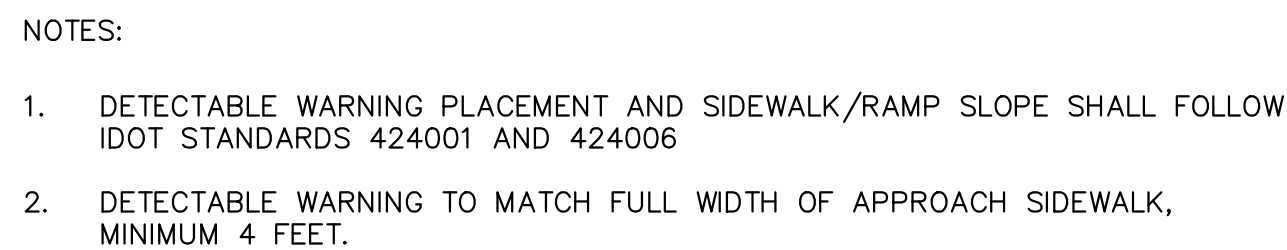
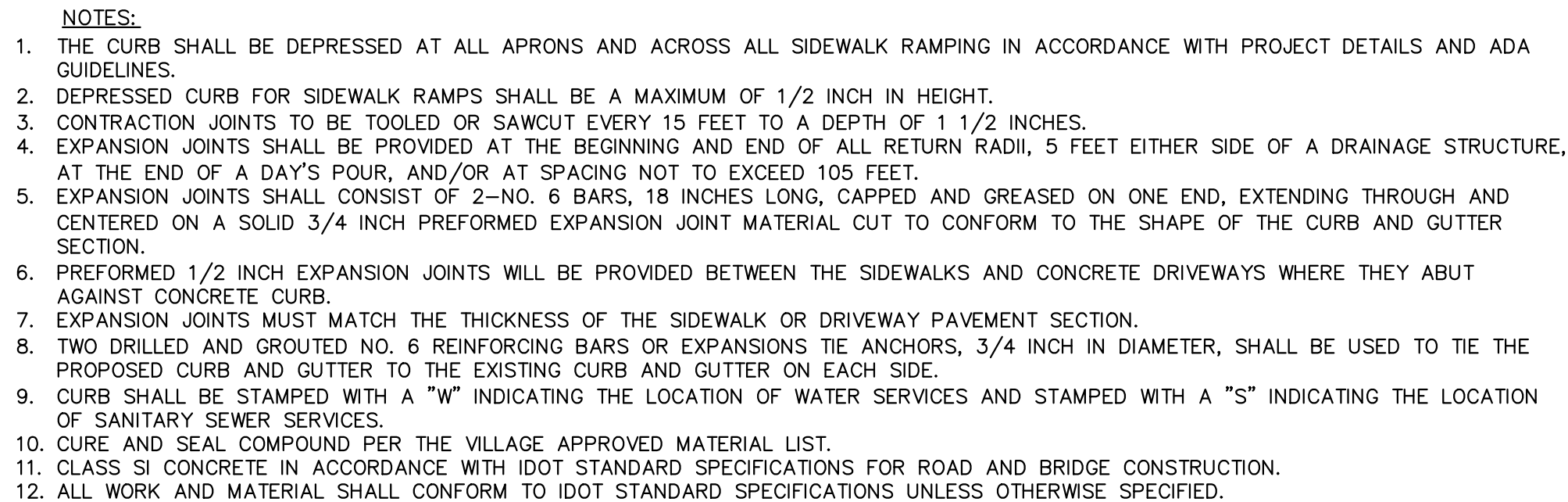
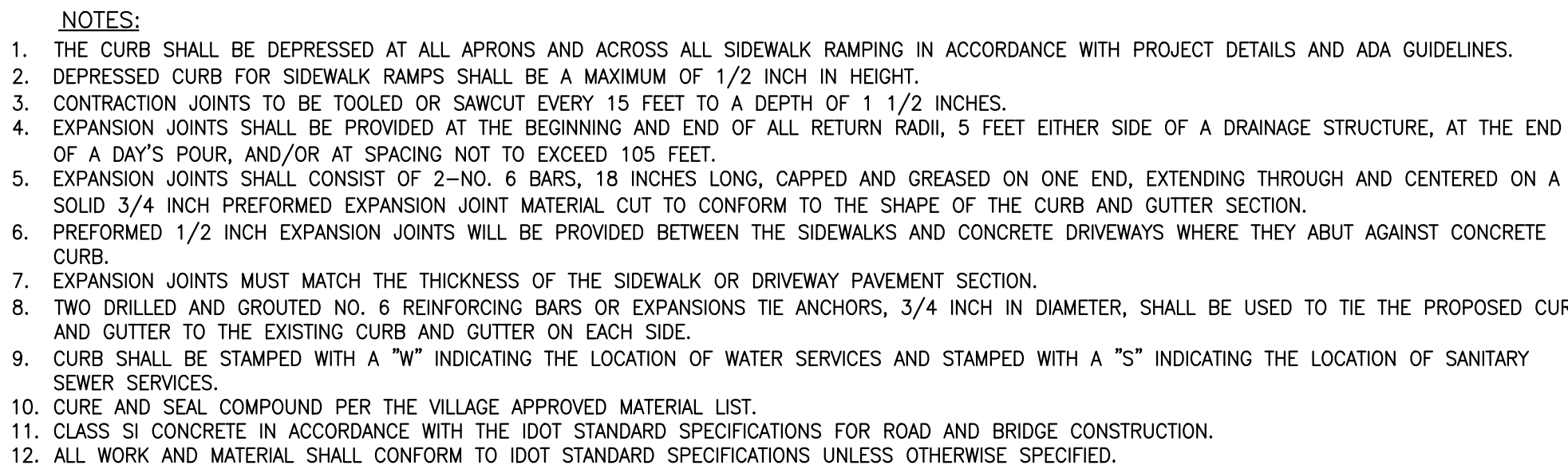
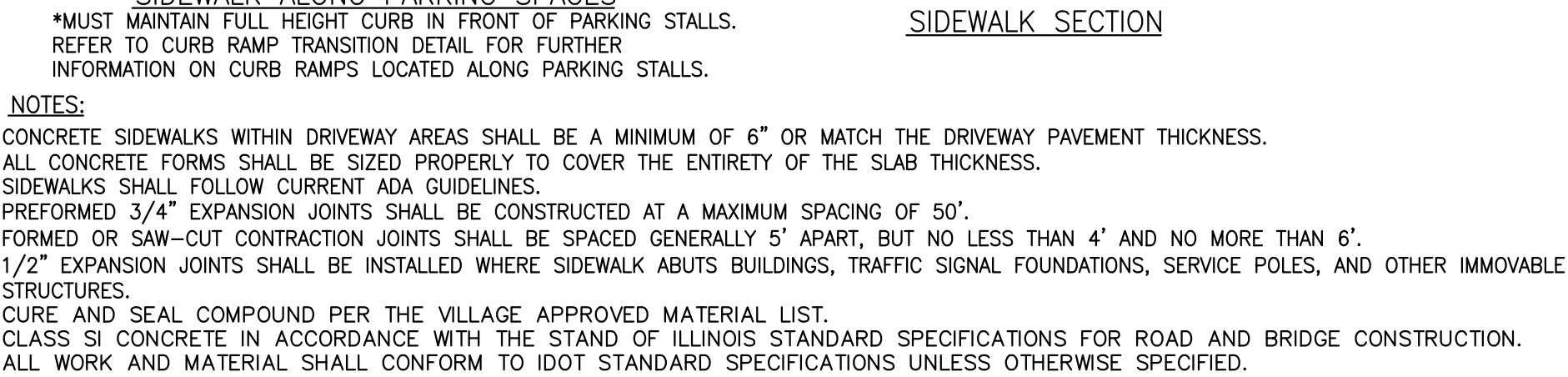
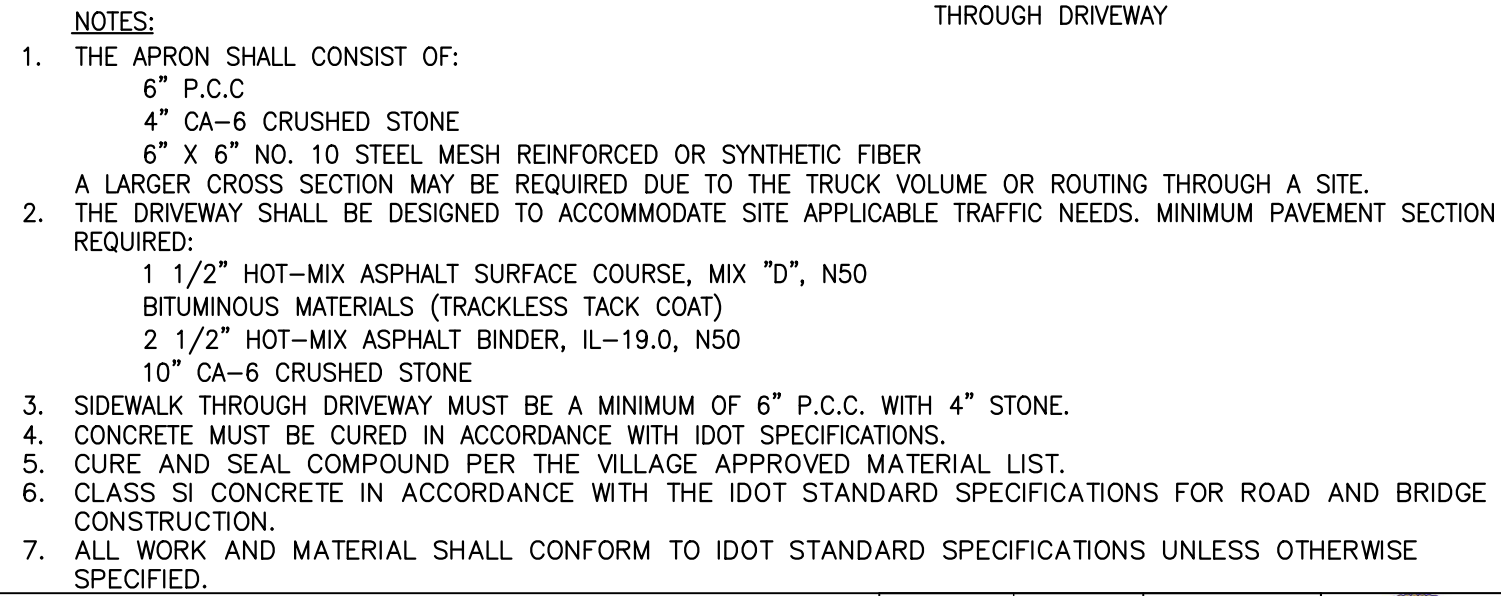
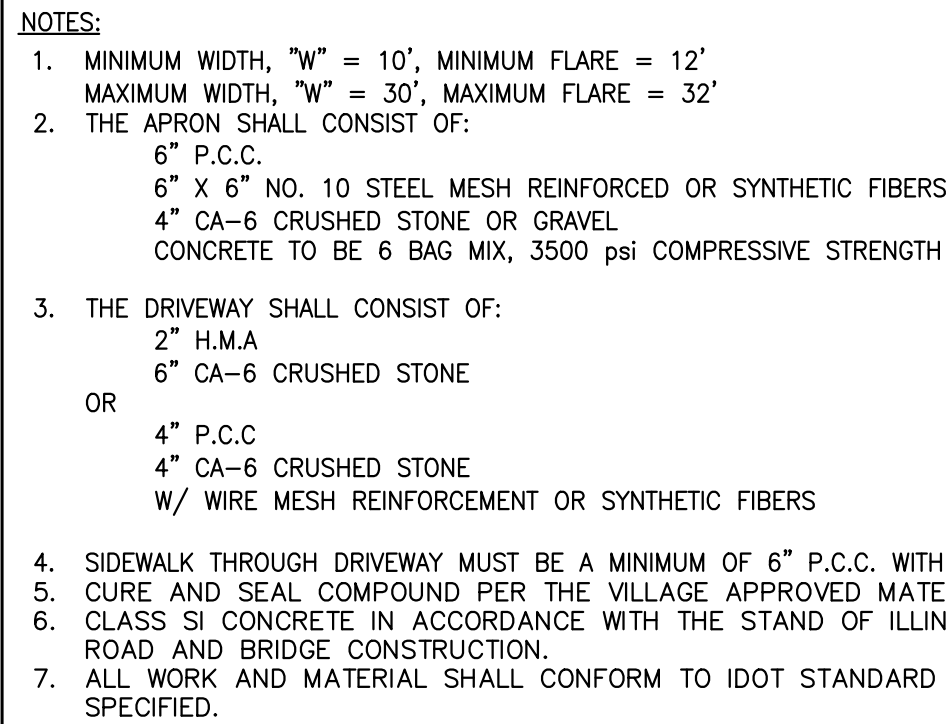
1.5" TYPE K COPPER WATER SERVICE (BORING REQ)	
Address	Length (ft)
3452	35
3451 (0.75" pipe)	16



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



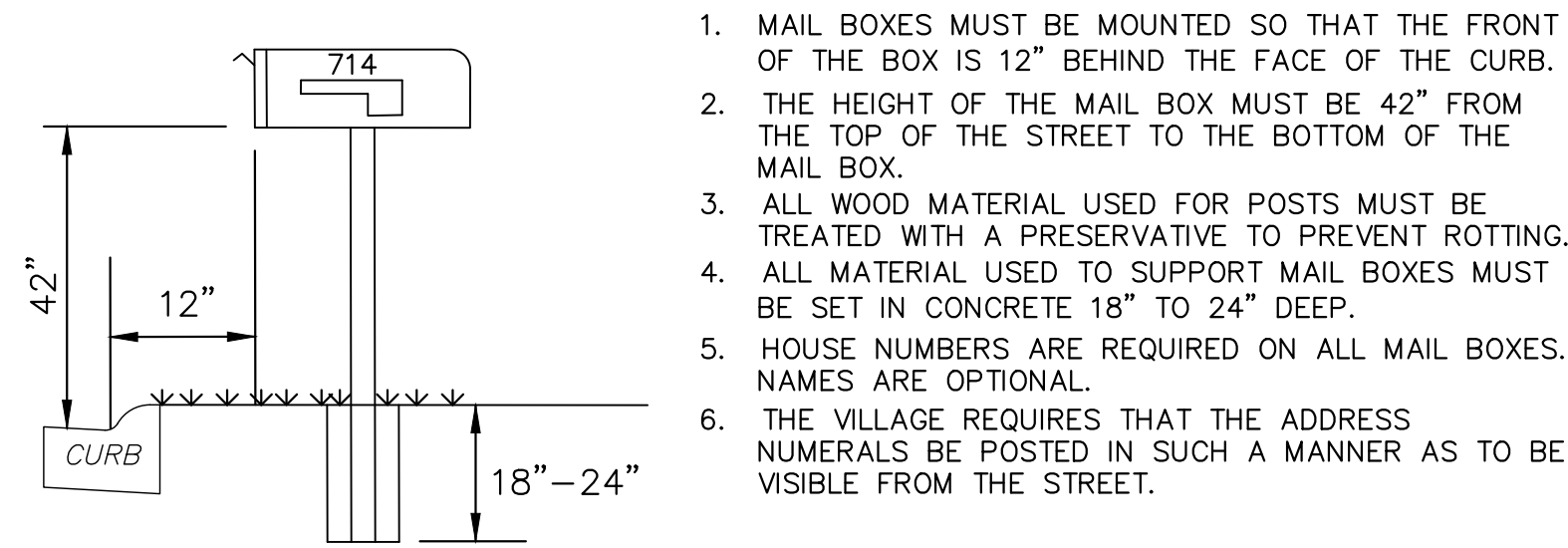
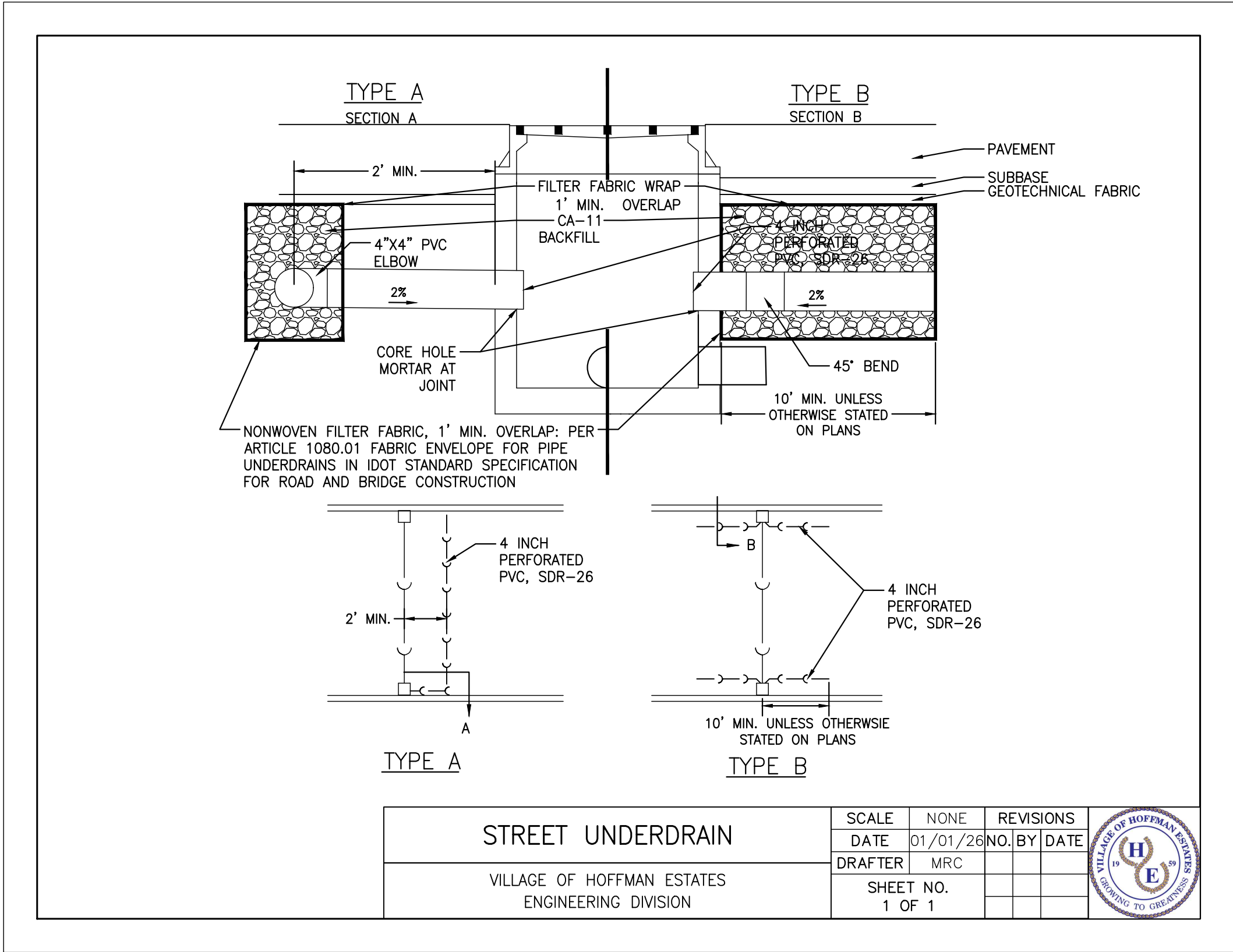
FILE NAME = Coventry Ct.dwg		DESIGNED – DSG	REVISED –		VILLAGE OF HOFFMAN ESTATES 1900 Hassell Road, Hoffman Estates, IL 60169 Phone Number: 847 252-5800	2026 Infrastructure Improvements Project Coventry Ct			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN – DSG	REVISED –							26-00120-00-PV	Cook	54	32
		CHECKED –AJW	REVISED –										
		DATE – 11/24/25	REVISED –										
						SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS	STA. 0+38 TO STA 3+28			ILLINOIS FED. AID PROJECT		



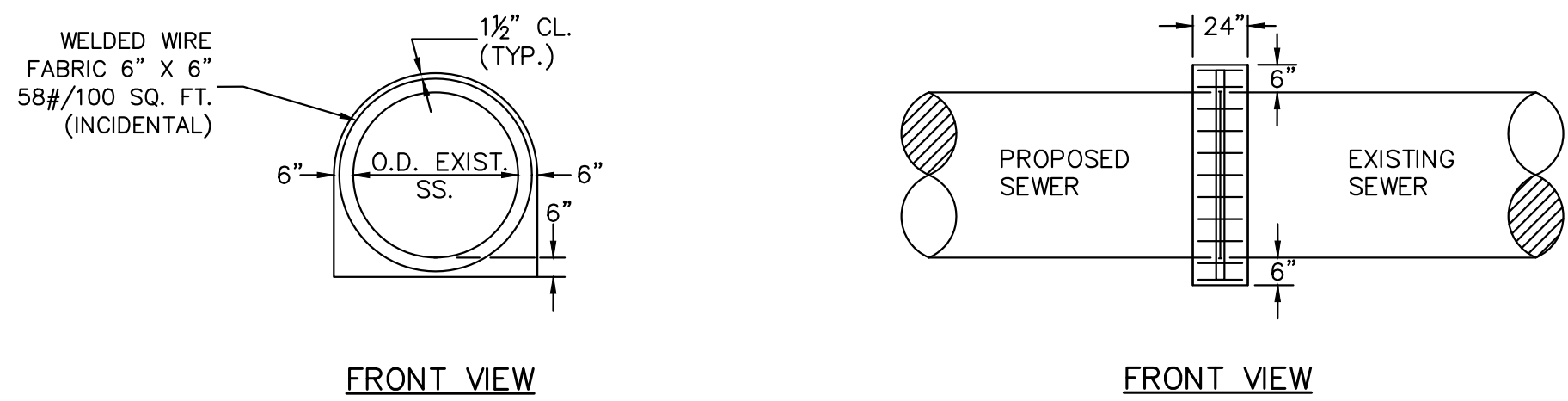
VILLAGE OF
HOFFMAN ESTATES
Bell Road, Hoffman Estates, IL 60132
Phone Number: 847 252-5800

SCALE: NTS	SHEET NO. 1 OF 8 SHEETS
------------	-------------------------

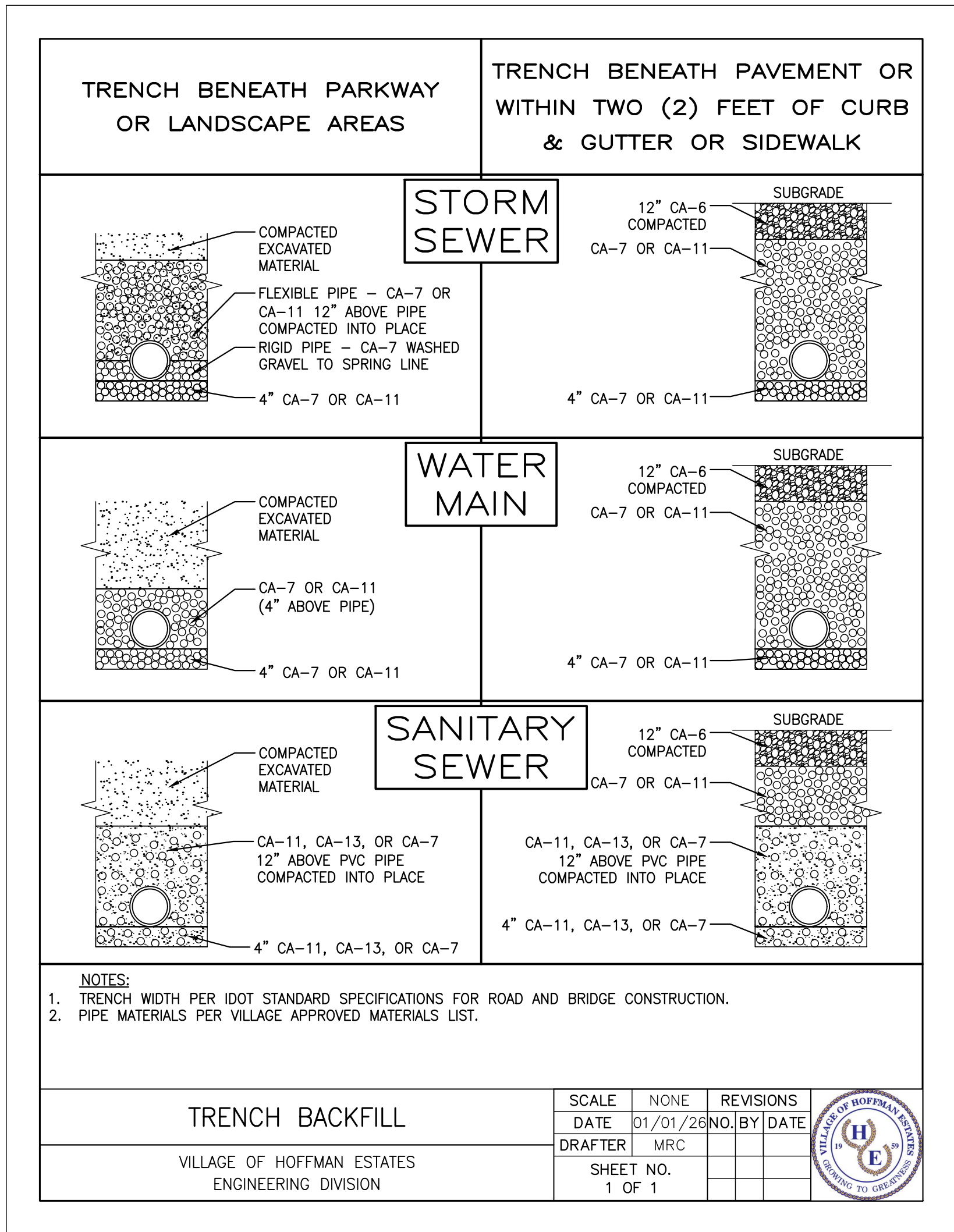
ILLINOIS

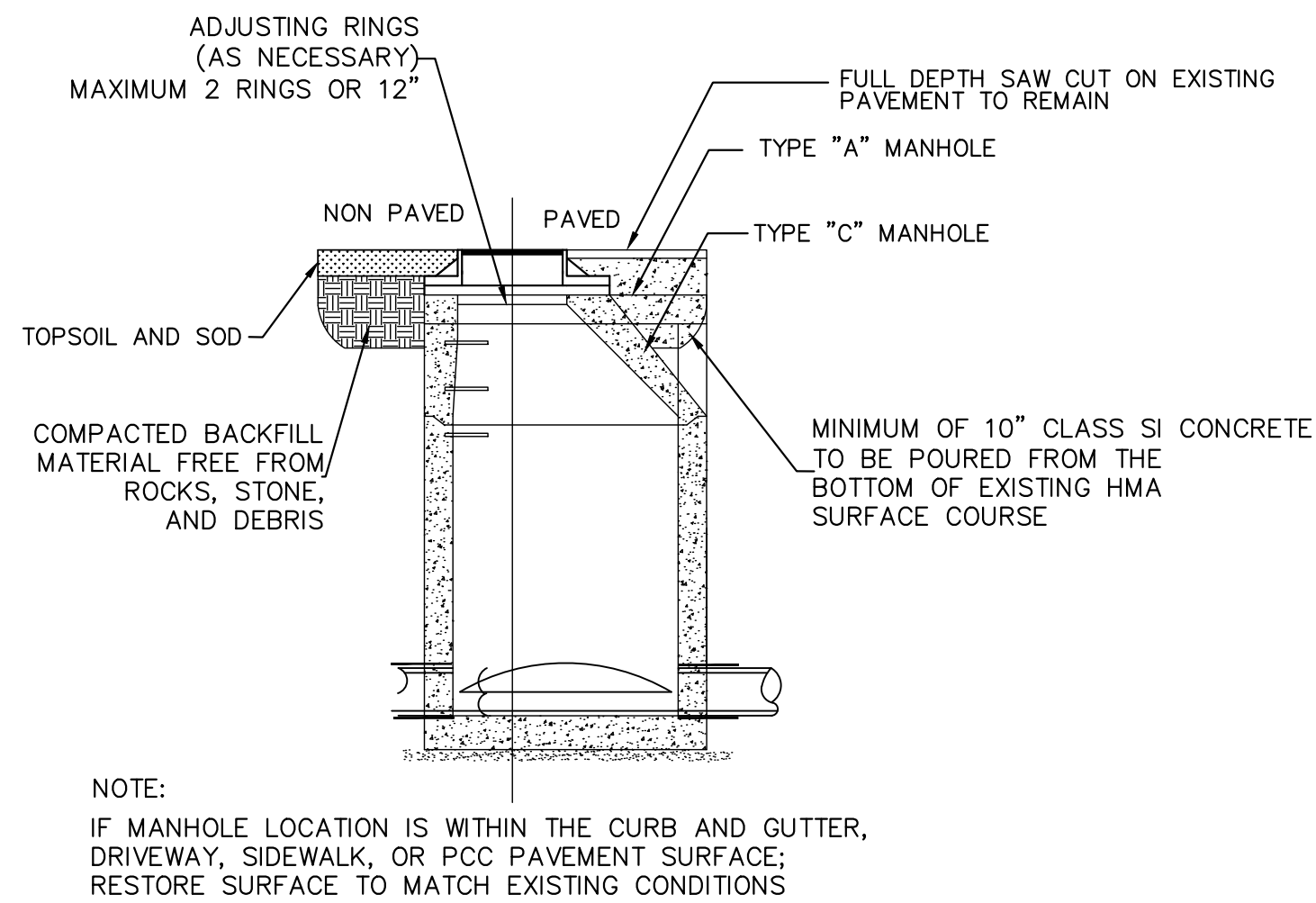
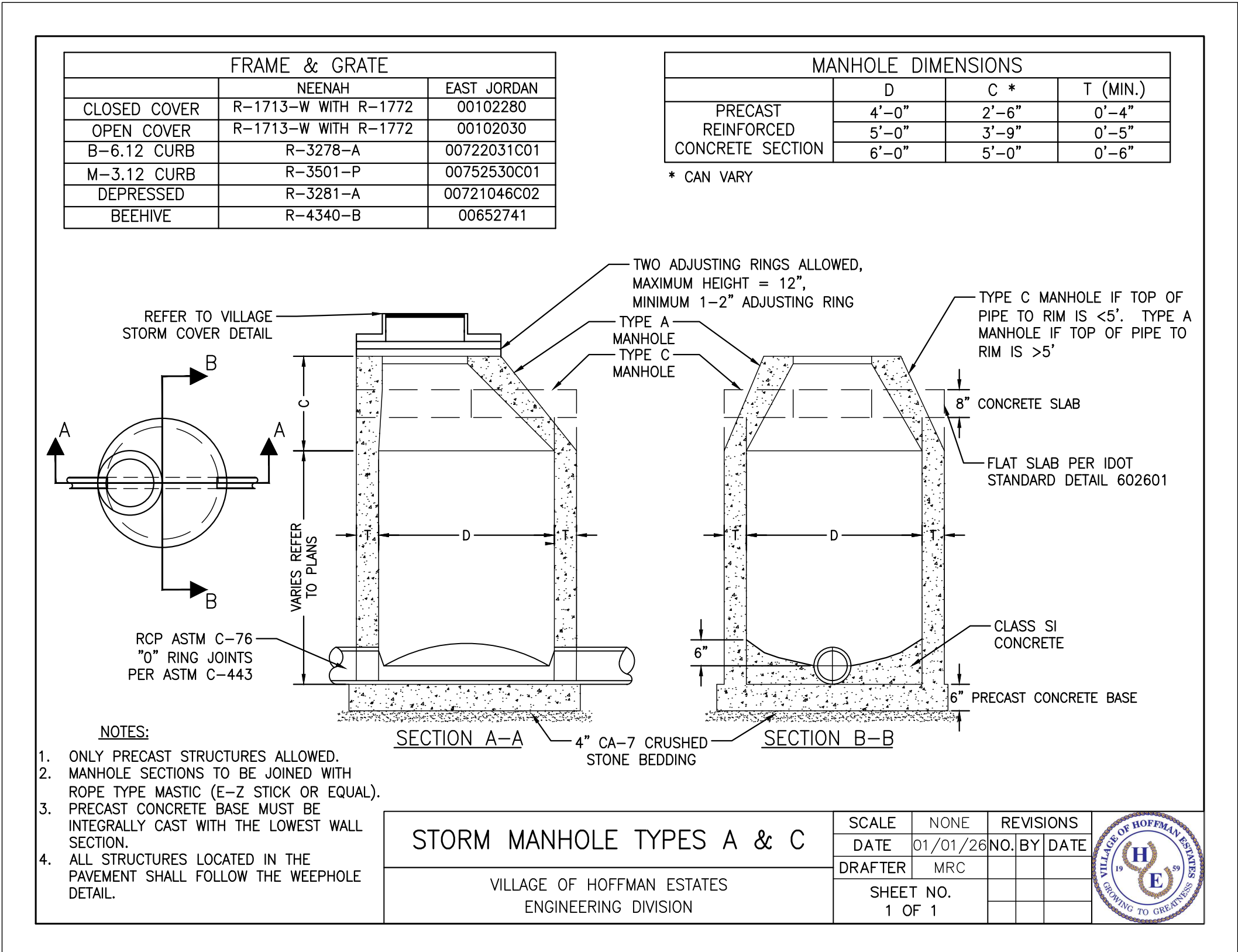
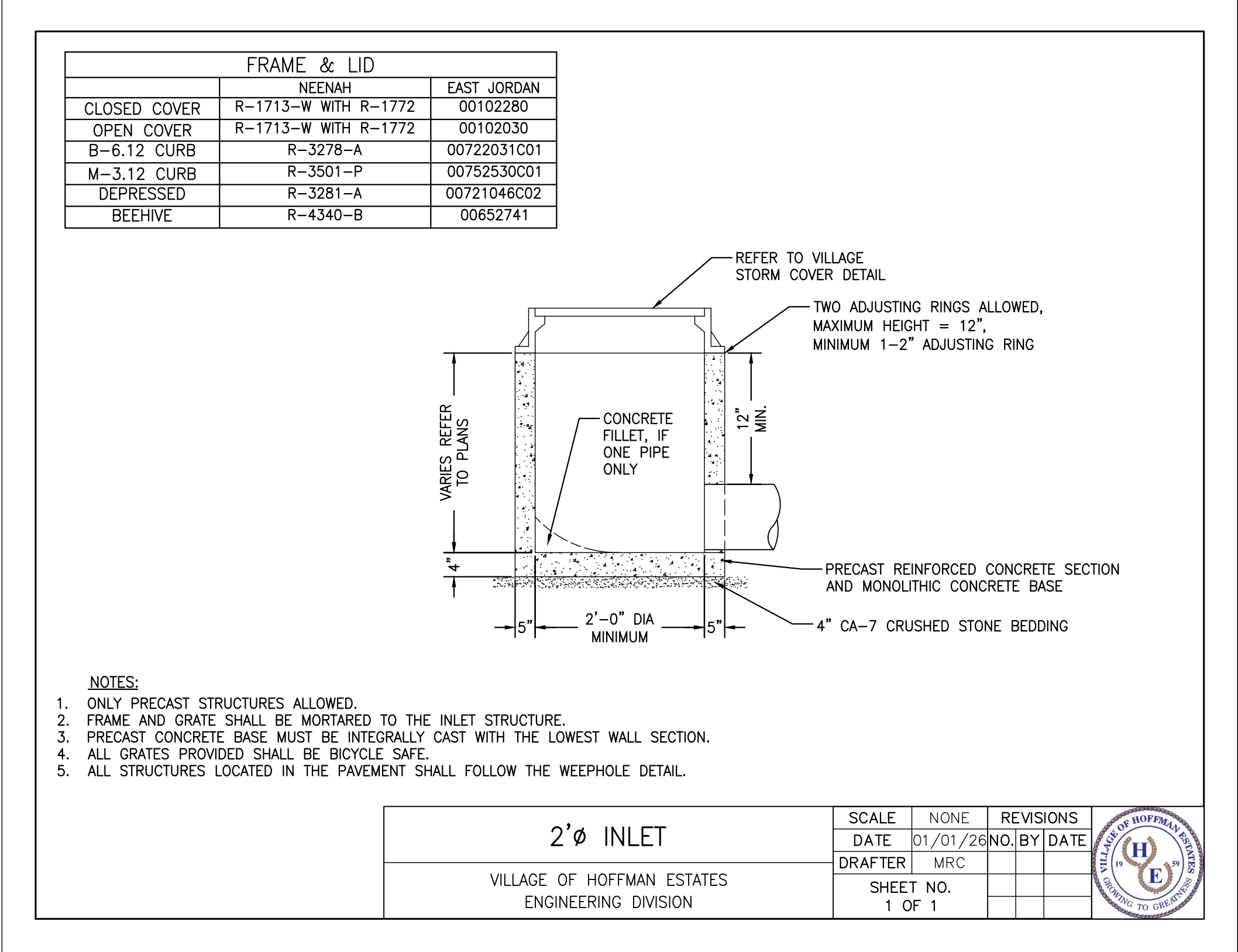


MAIL BOX DETAIL

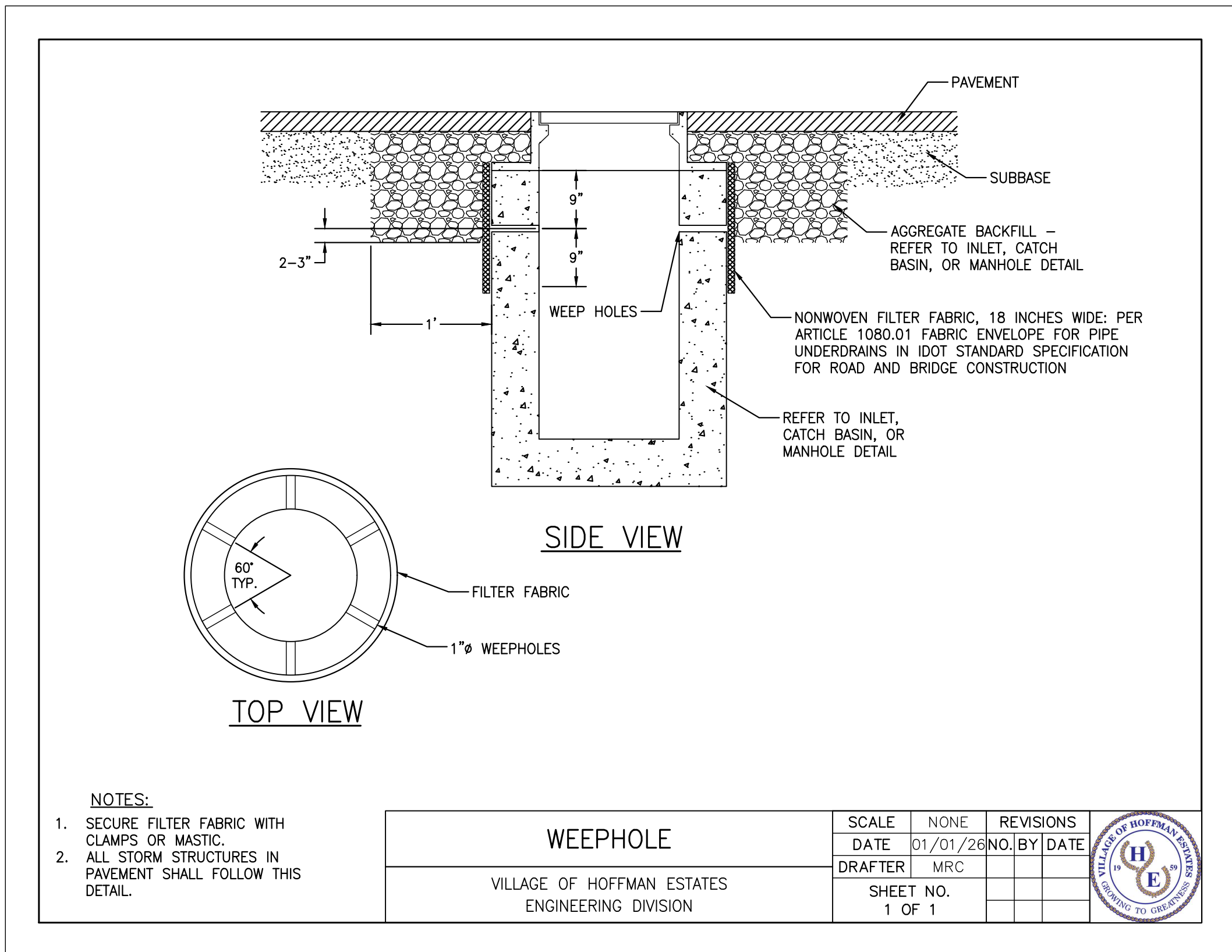
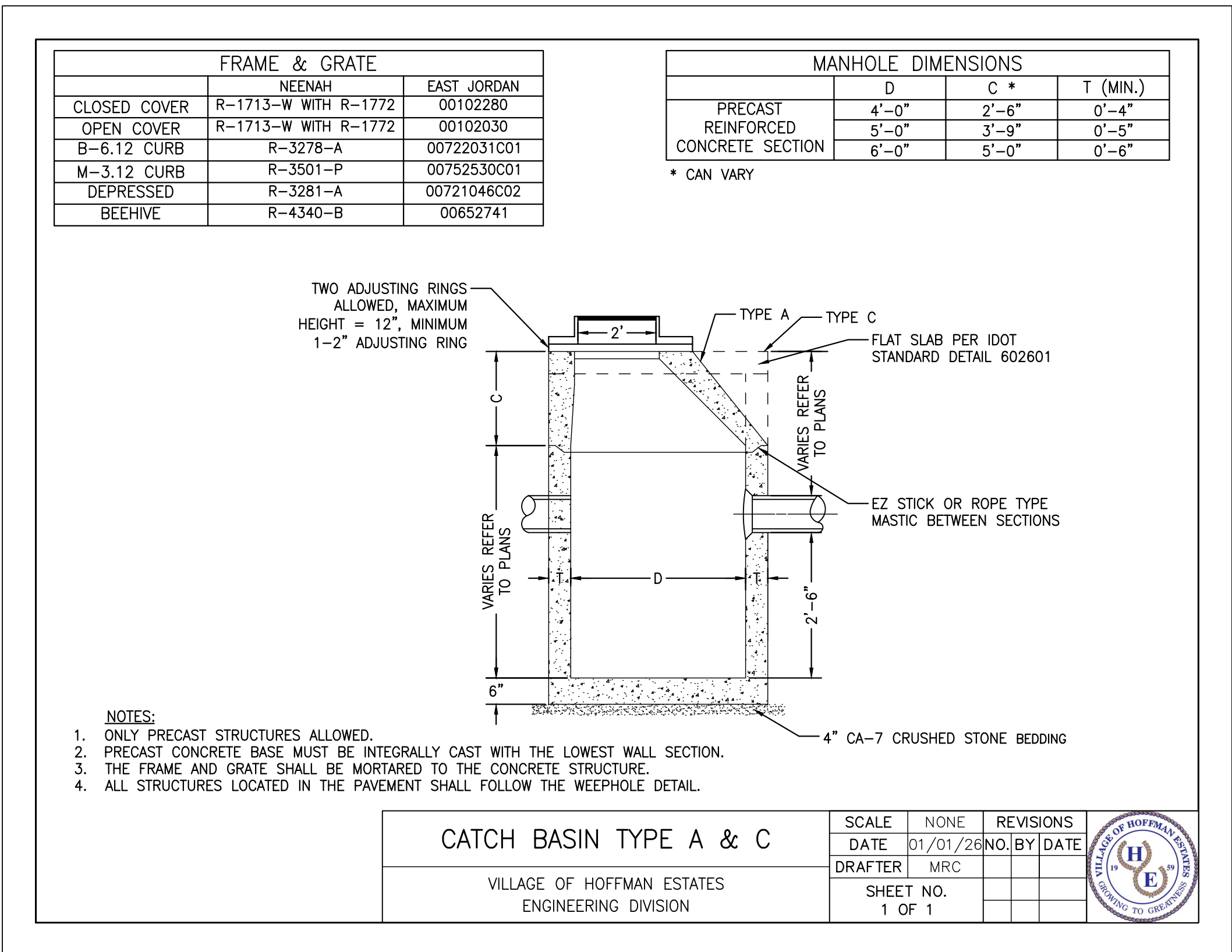


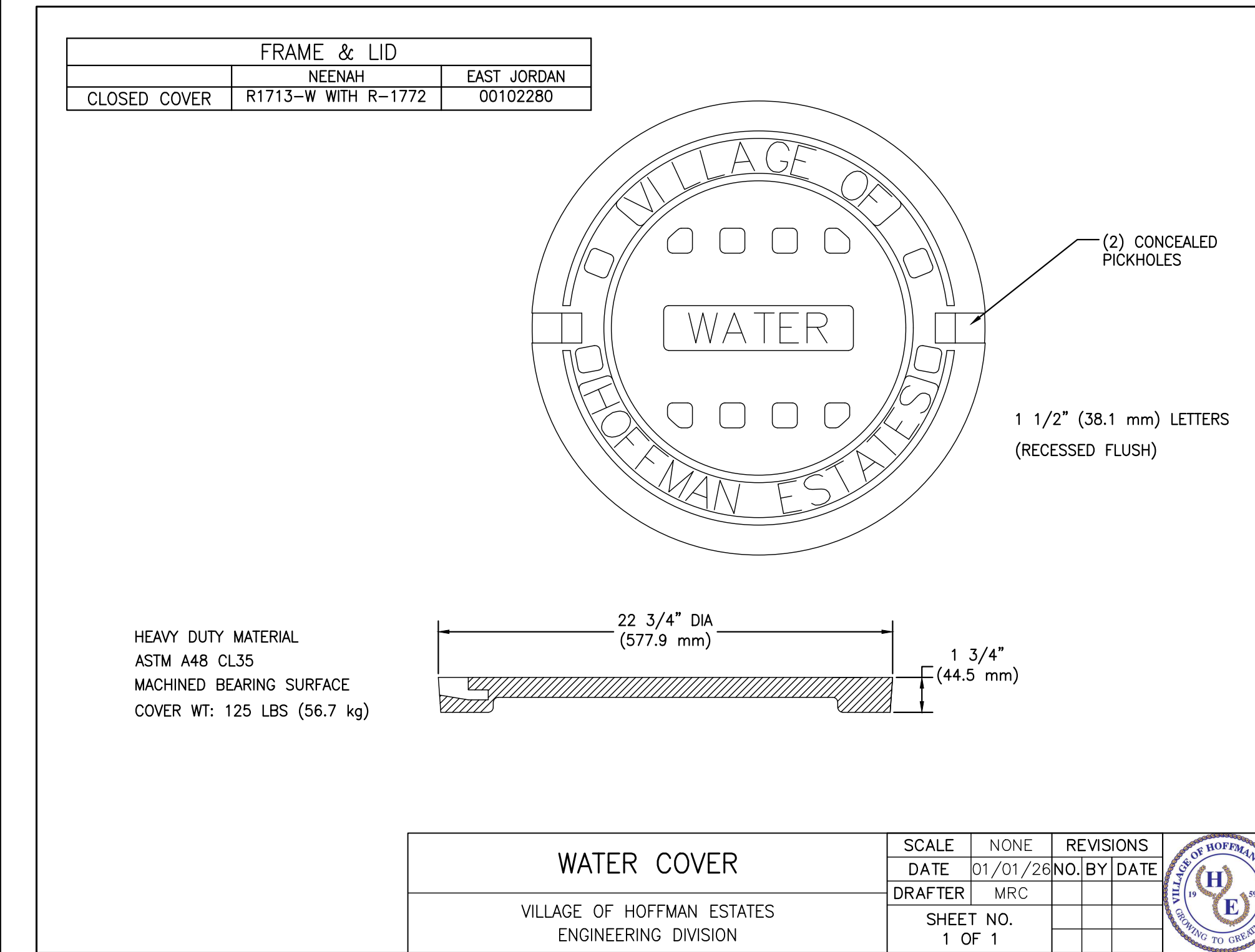
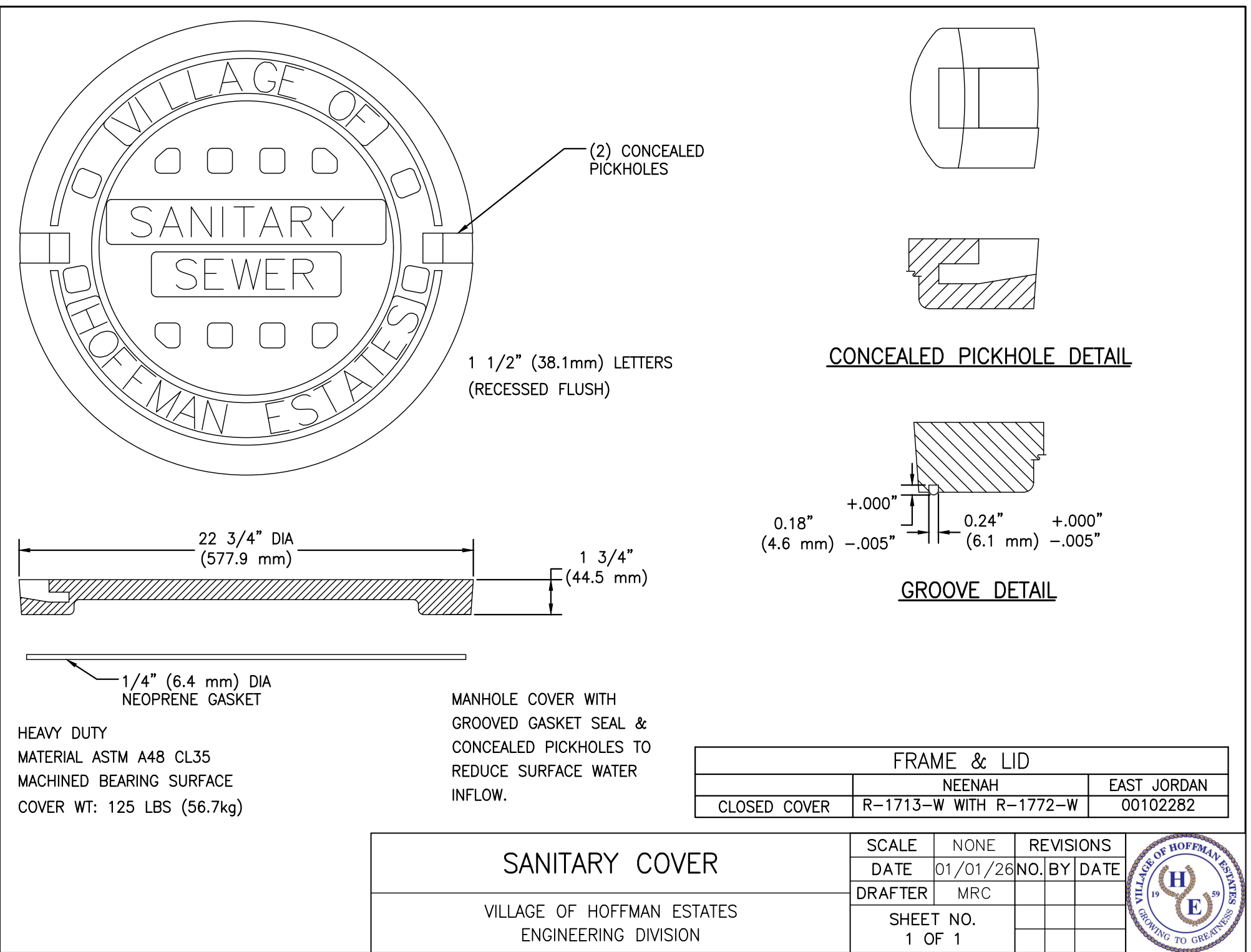
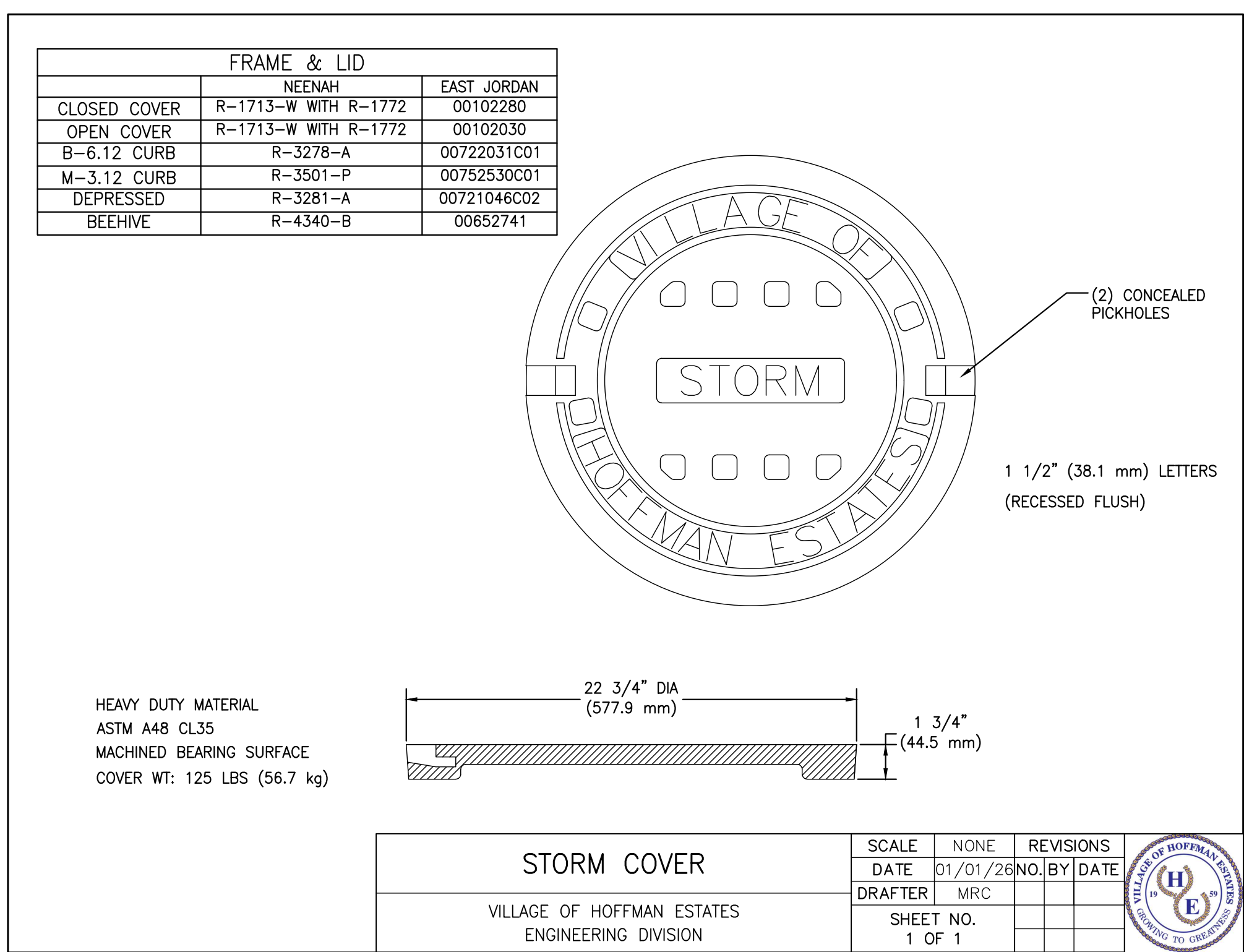
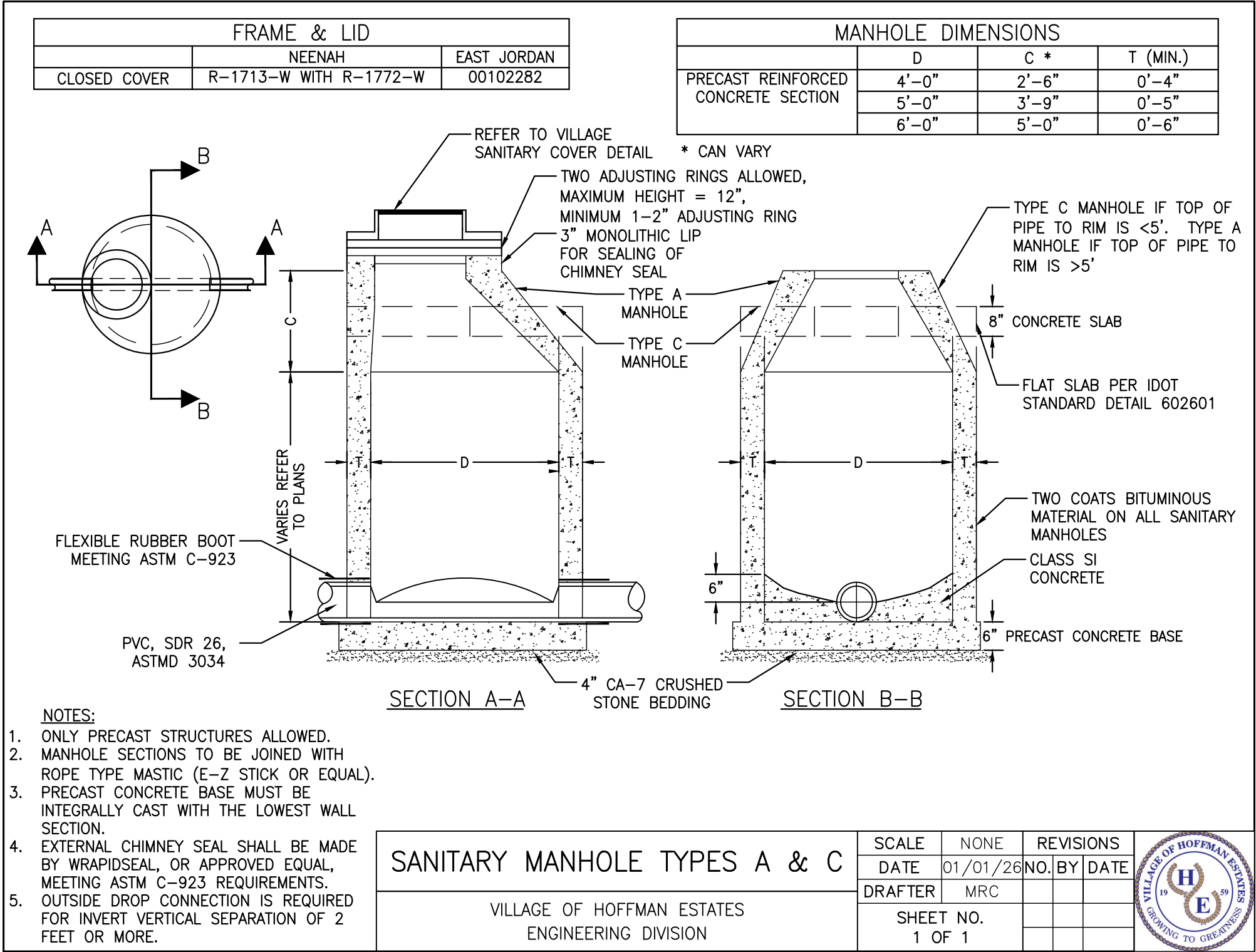
CONCRETE COLLAR FOR STORM SEWER CONNECTION





MANHOLE RESTORATION DETAIL





PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN

GUIDELINES

- IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
- 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.
- 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.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION

GUIDELINES

- 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.
- 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.
- PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

GUIDELINES

- 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".
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
- POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

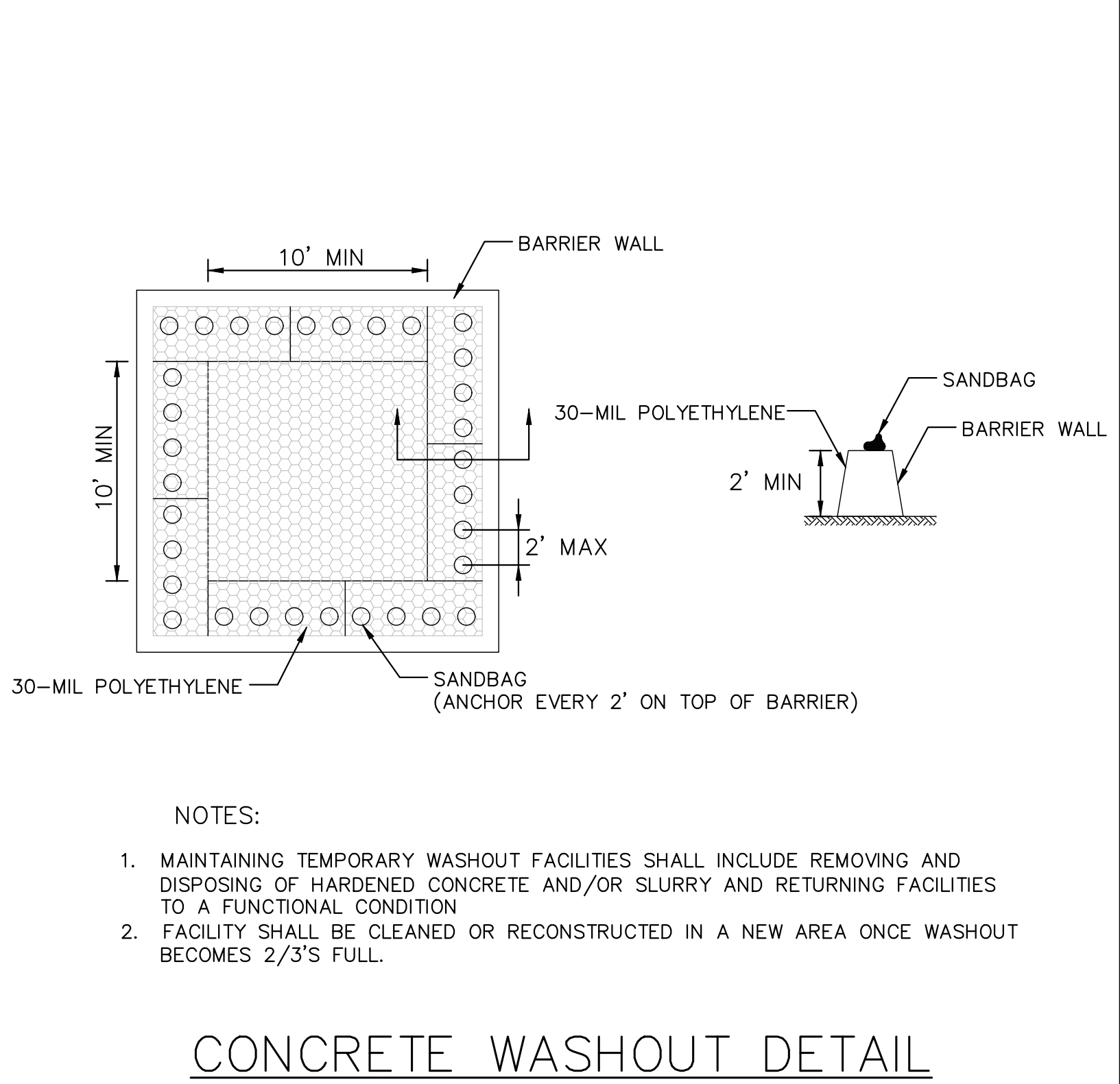
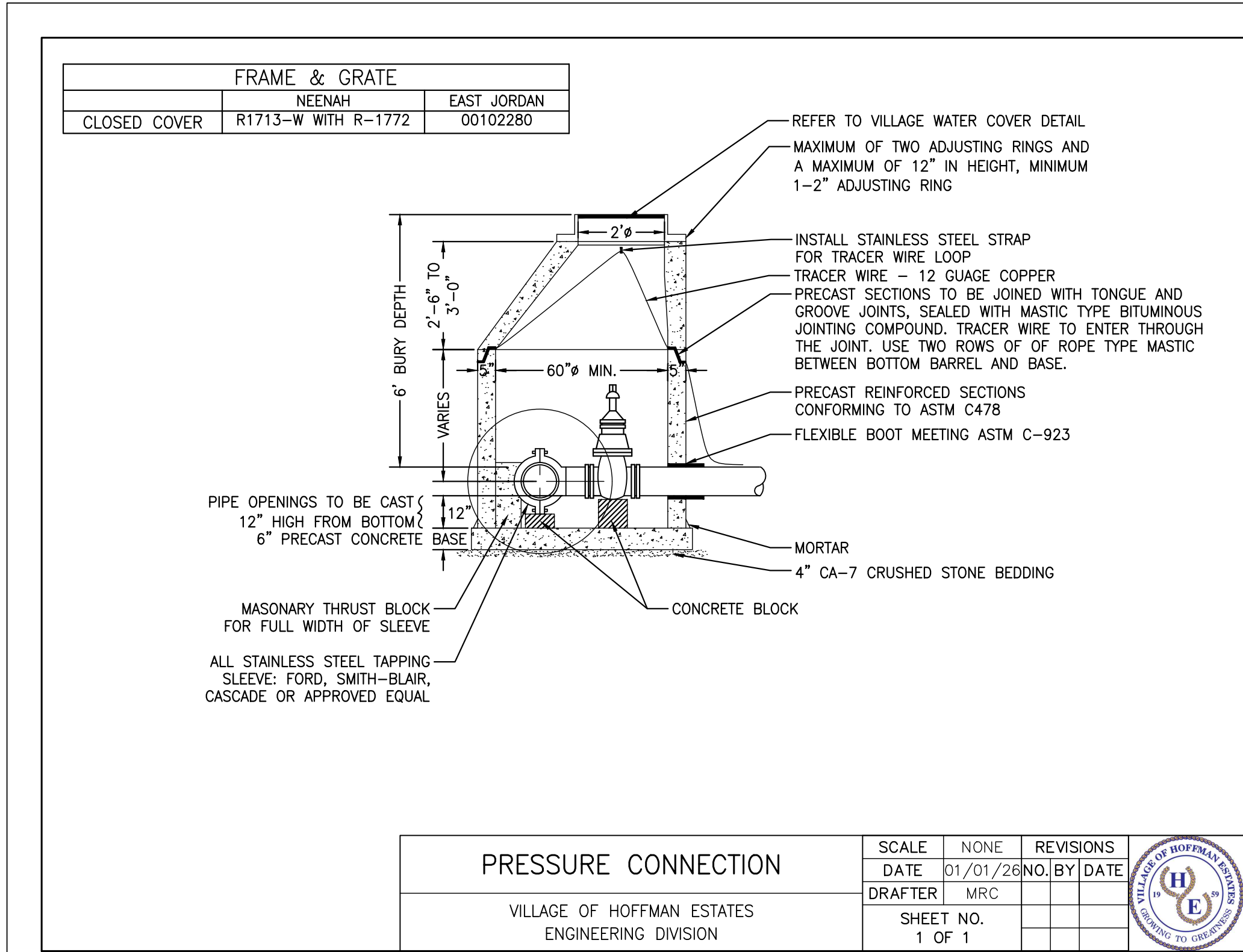
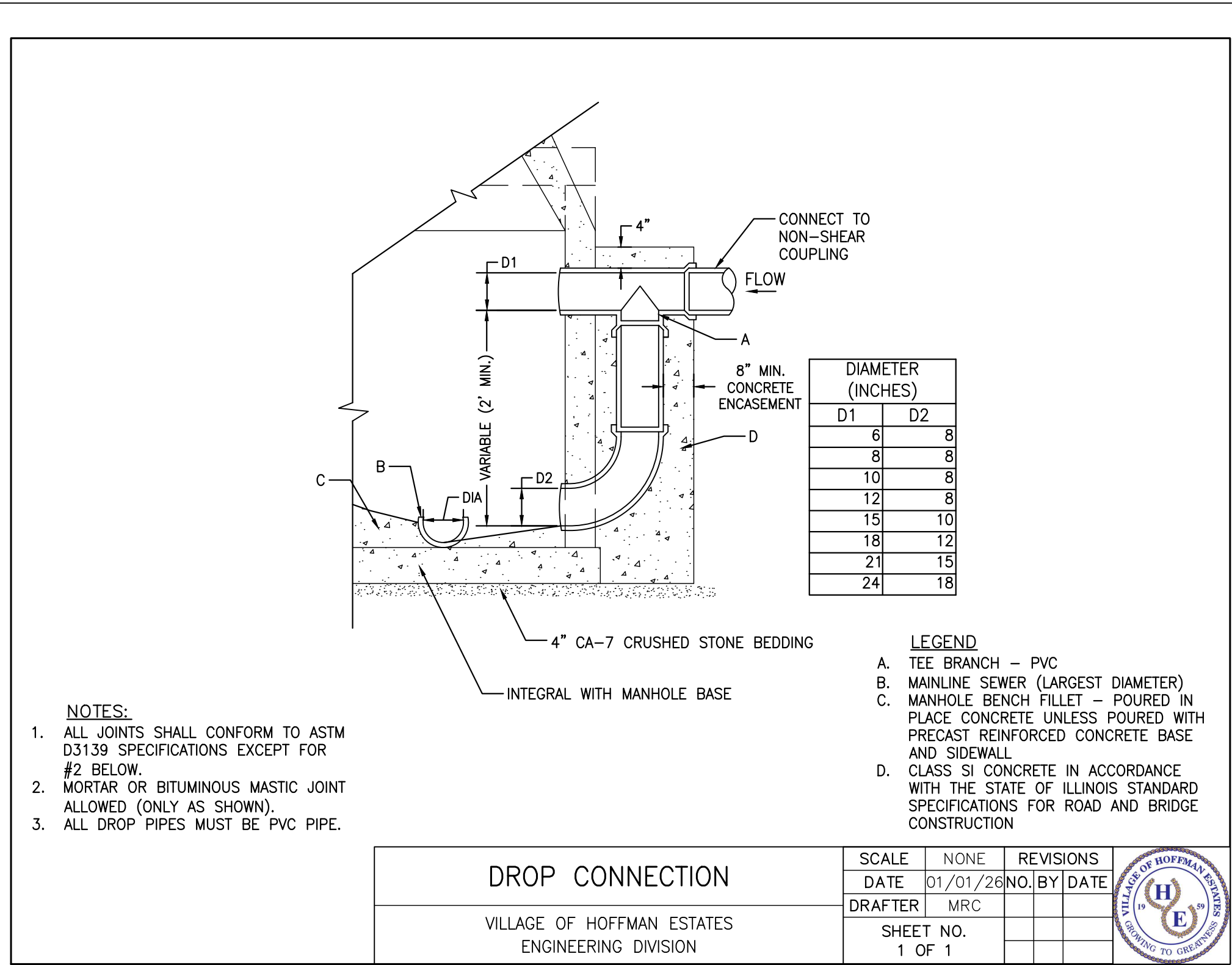
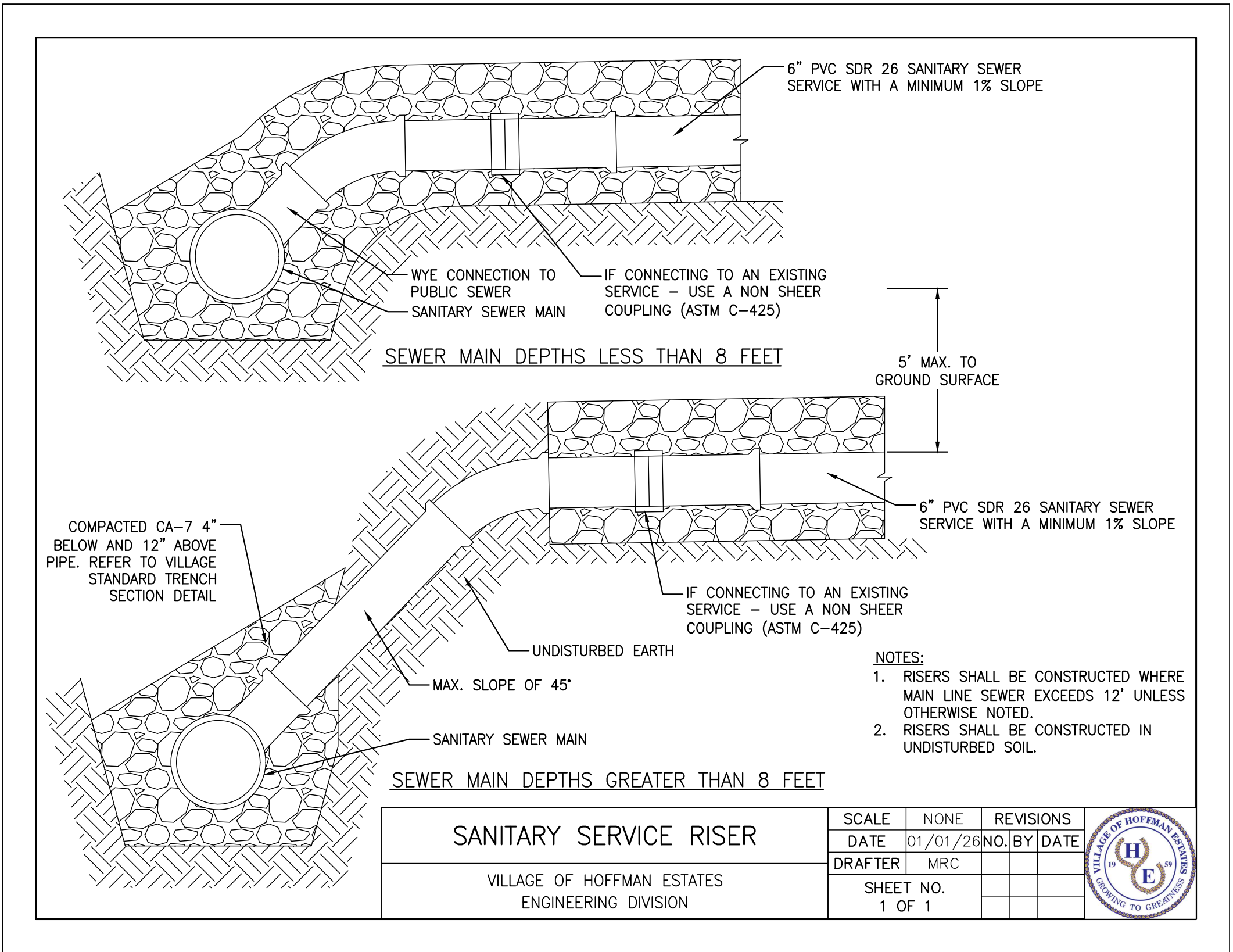
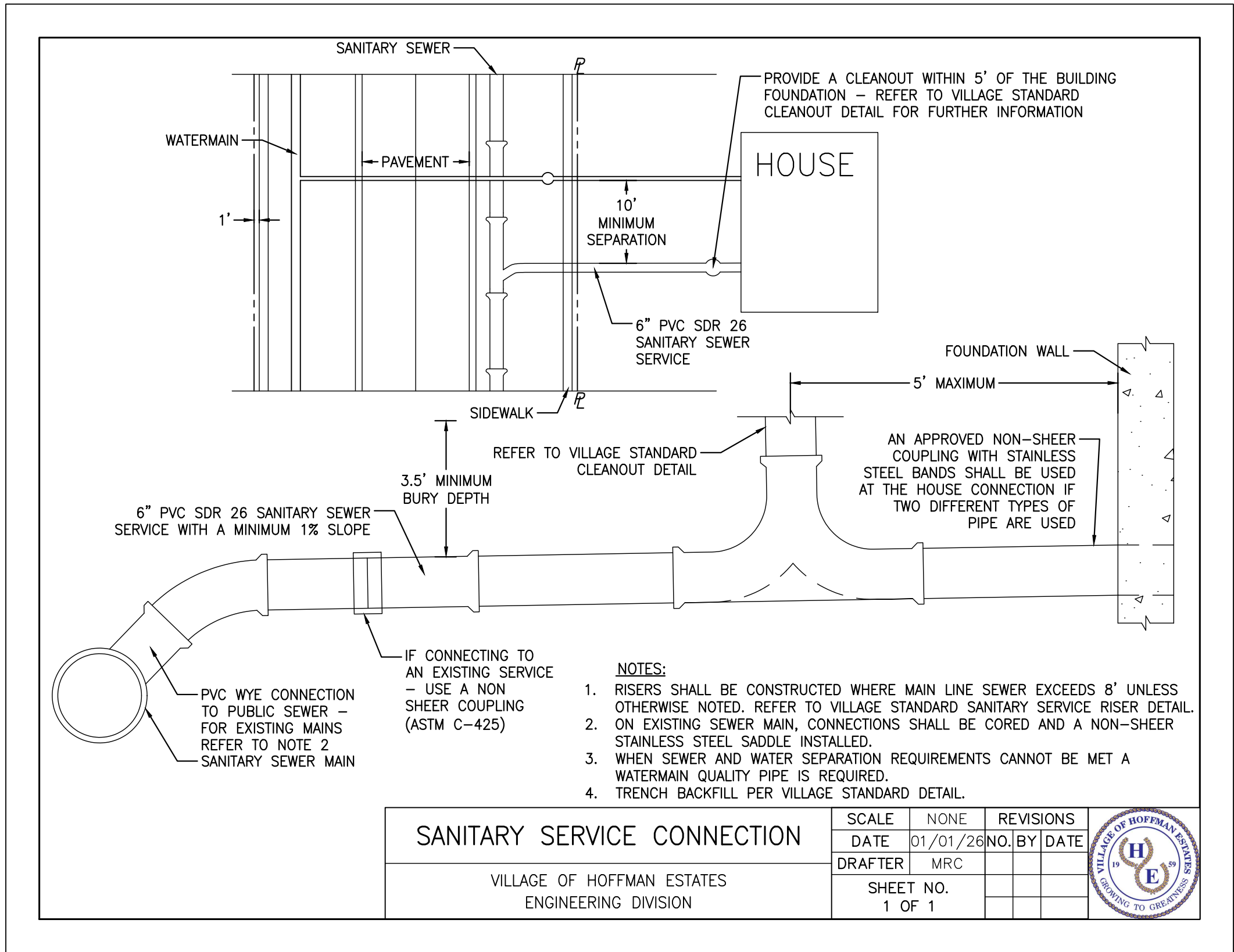
*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

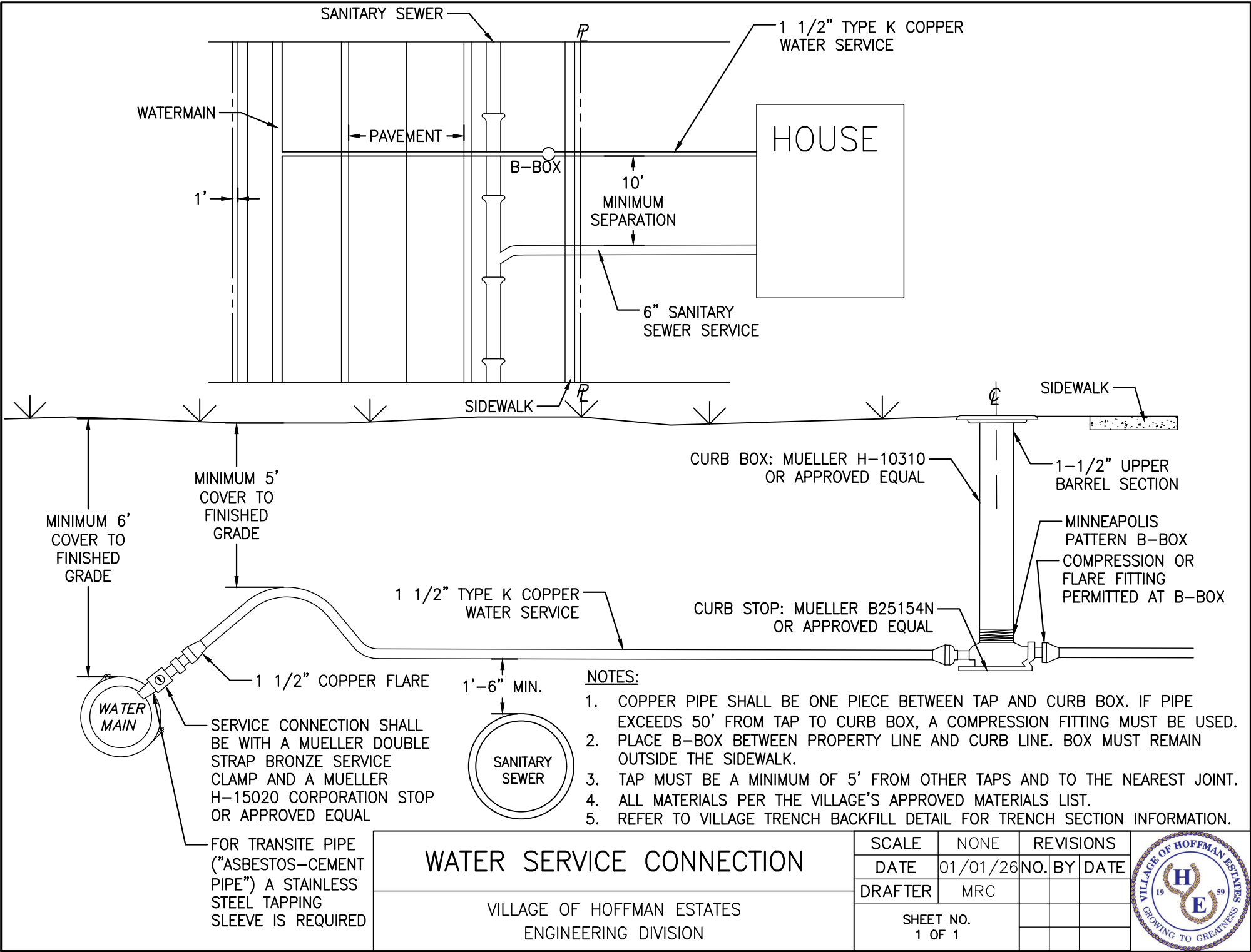
PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED

PLAN VIEW

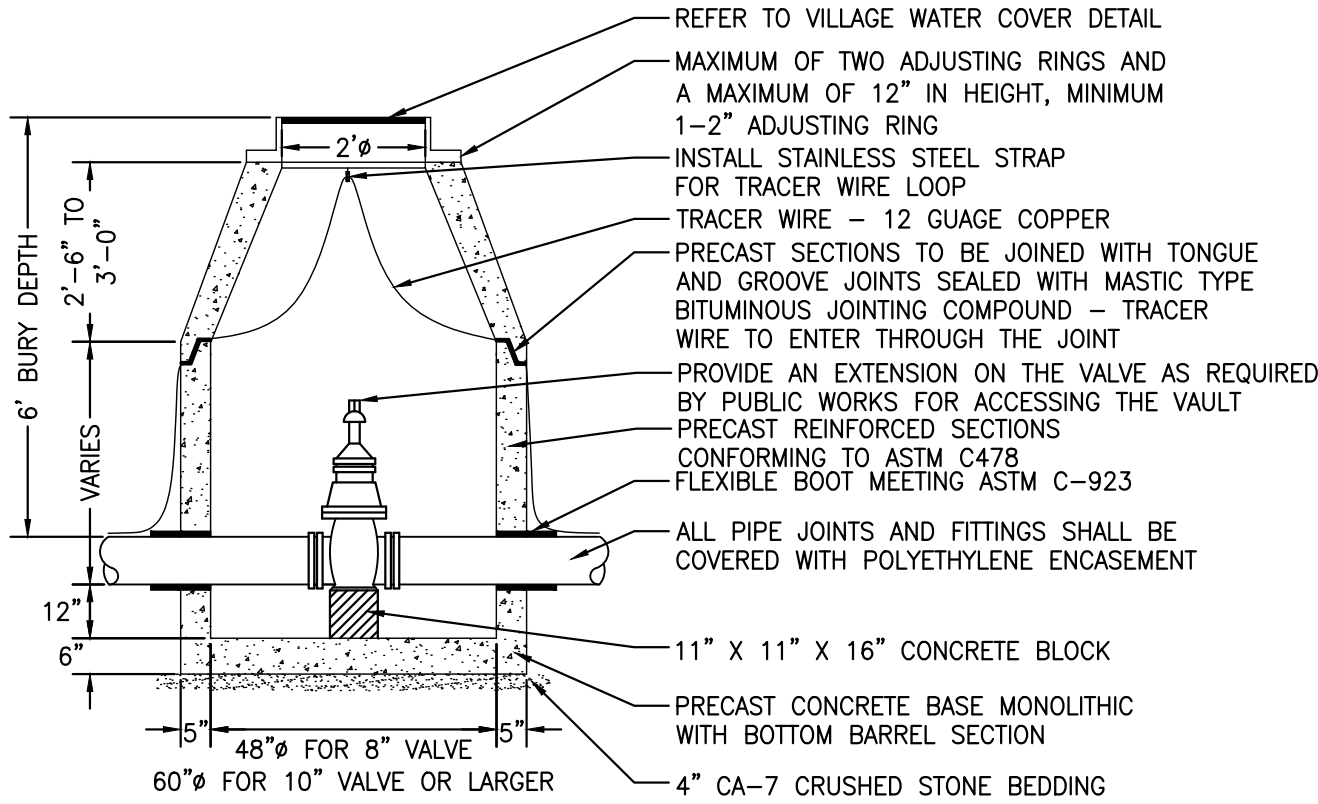
PER IEPA, WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED **LESS THAN 10 FEET** FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY

NOT TO SCALE



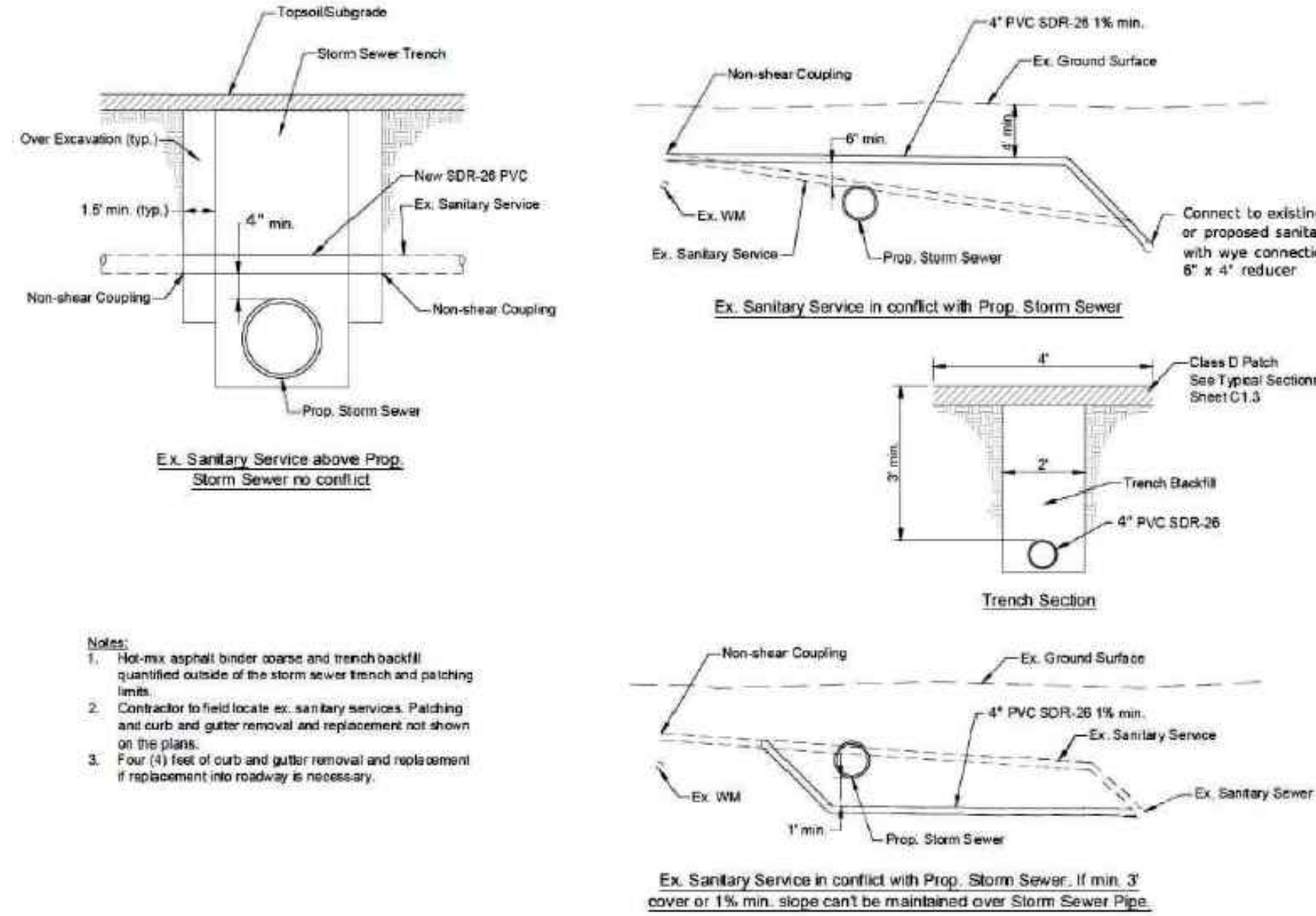


FRAME & LID		
	NEENAH	EAST JORDAN
CLOSED COVER	R1713-W WITH R-1772	00102280

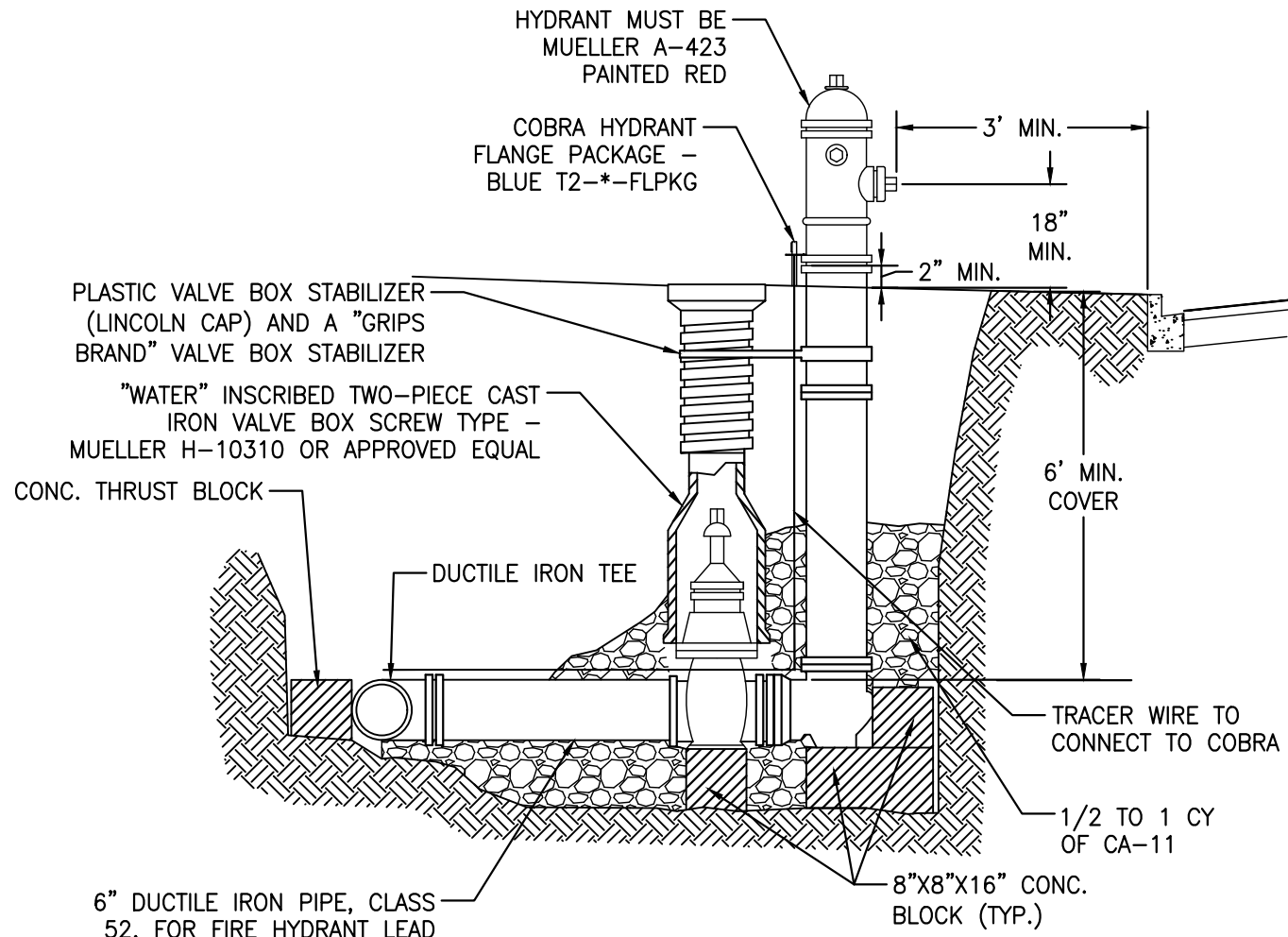


- NOTES:
1. VALVE VAULT OPENING SHALL BE CENTERED OVER VALVE & CASTING TO BE SET AT FINISHED GRADE AS SHOWN ON PLANS.
 2. THE OPERATING NUT SHALL BE LOCATED DIRECTLY BELOW THE VALVE VAULT LID. ALL VALVES SHALL BE "KEYABLE" AS DETERMINED BY THE VILLAGE OF HOFFMAN ESTATES PUBLIC WORKS DEPARTMENT.
 3. ALL NUTS AND BOLTS ON VALVE ARE TO BE STAINLESS STEEL.

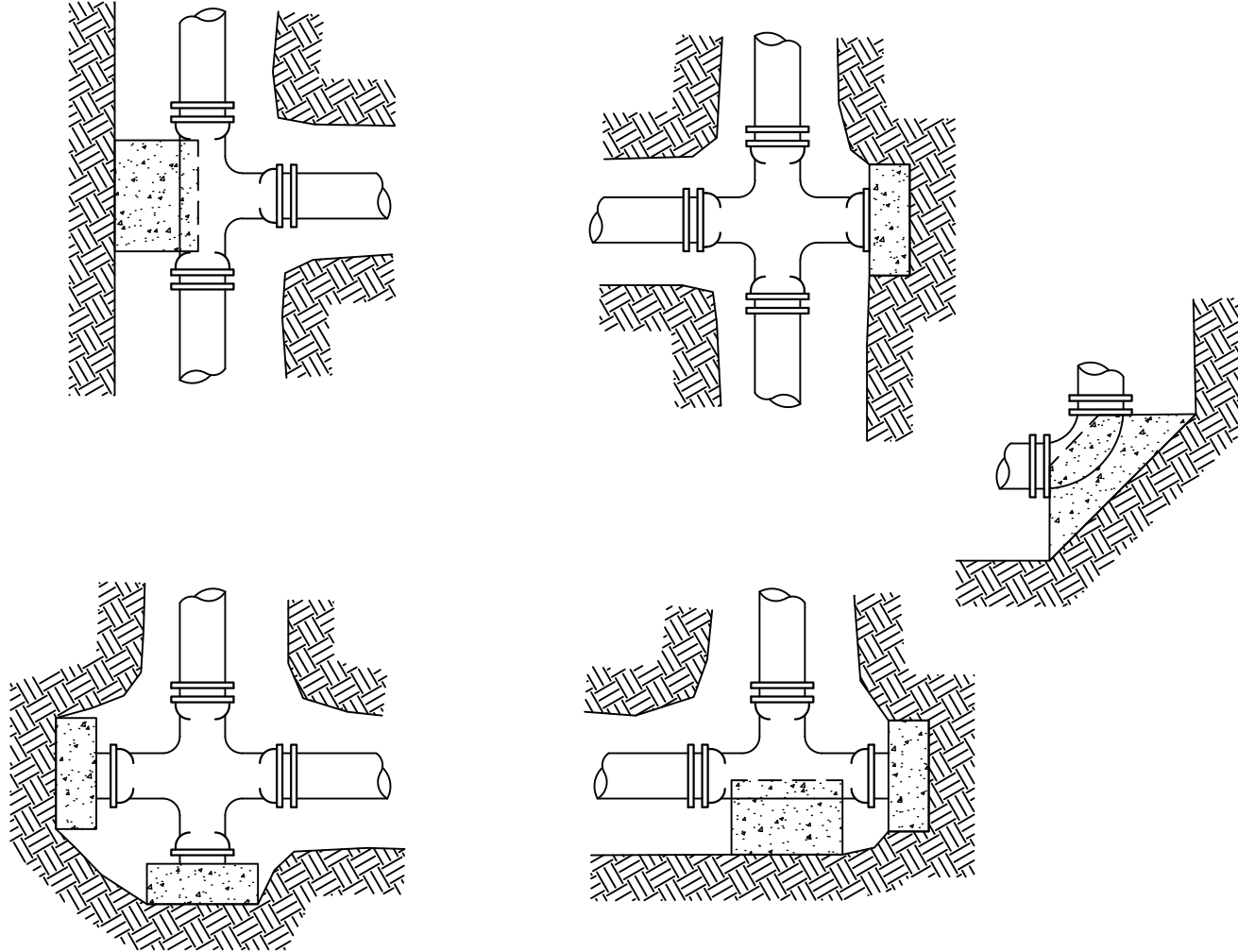
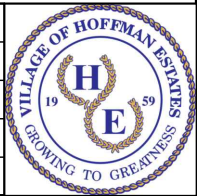
VALVE VAULT		
	SCALE	NONE
	DATE	01/01/26
	DRAFTER	MRC
	SHEET NO.	1 OF 1



SANITARY SERVICE SEWER REPLACEMENT DETAIL

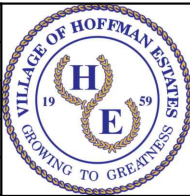


FIRE HYDRANT		
	SCALE	NONE
	DATE	01/01/26
	DRAFTER	MRC
	SHEET NO.	1 OF 1



- NOTES:
1. THRUST BLOCKS SHALL BE AT ALL TEES AND BENDS OF 45° OR GREATER AND AT ALL DEAD END WATER MAINS.
 2. THRUST BLOCKS SHALL BE CLASS SI CONCRETE BLOCKS PLACED AGAINST UNDISTURBED SOIL WITH A MINIMUM WIDTH OF 12".
 3. CONCRETE SHALL BE A MINIMUM OF 3000 P.S.I.
 4. THRUST RESTRAINT SHALL INCLUDE BOTH CONCRETE THRUST BLOCKS AND "MEGA-LUG" MECHANICAL JOINT RESTRAINTS.
 5. ALL FASTENER HARDWARE ASSOCIATED WITH FITTINGS SHALL BE STAINLESS STEEL.
 6. FIELD LOK GASKET CAN BE USED IN LIEU OF THRUST BLOCKS.

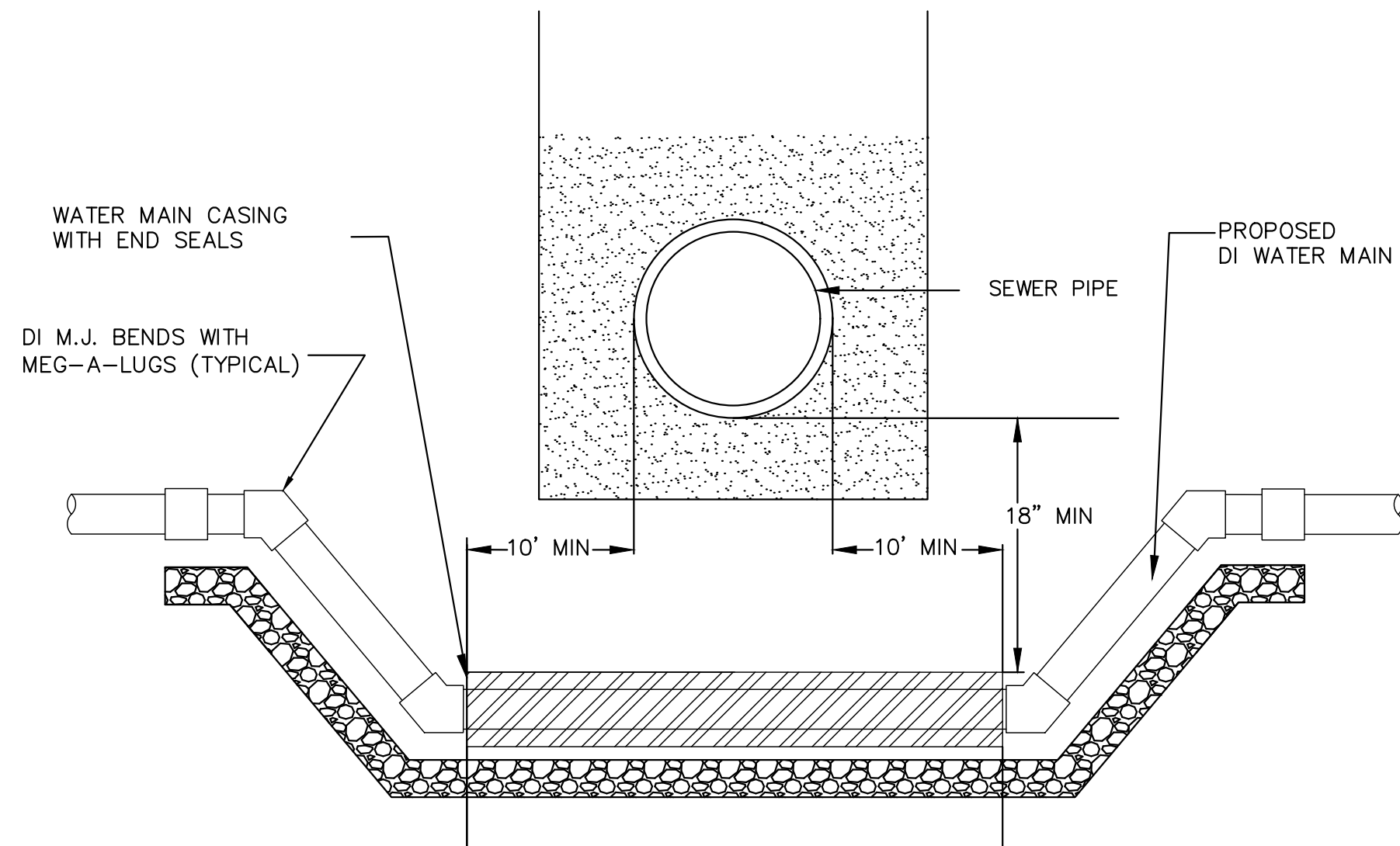
THRUST BLOCKING		
	SCALE	NONE
	DATE	01/01/26
	DRAFTER	MRC
	SHEET NO.	1 OF 1



THRUST RESTRAINT TABLE		
TYPE	6"	8"
Horizontal Bend, 11.25°	1	2
Horizontal Bend, 22.5°	2	3
Horizontal Bend, 45°	4	6
Horizontal Bend, 90°	10	13
Vertical Up Bend, 11.25°	1	2
Vertical Up Bend, 22.5°	2	3
Vertical Up Bend, 45°	4	6
Vertical Up Bend, 90°	10	13
Vertical Down Bend, 11.25°	3	3
Vertical Down Bend, 22.5°	5	6
Vertical Down Bend, 45°	9	12
Vertical Down Bend, 90°	22	29
Tee 8" Equal	-	14.1
Tee 8"R x 6"B	-	10.7
Reducer 8" x 6"	5.9	7.7
Dead End and Valve	11	15

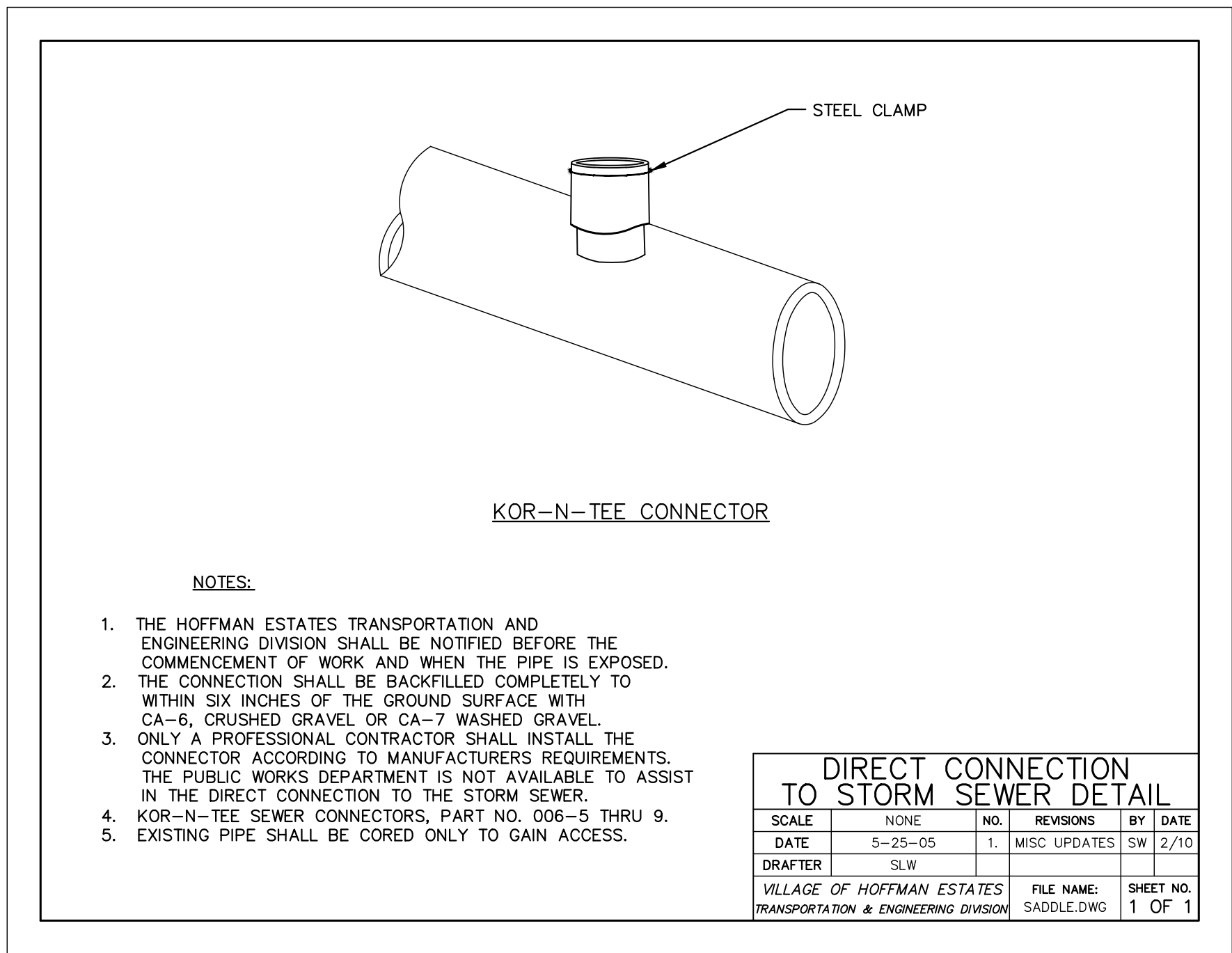
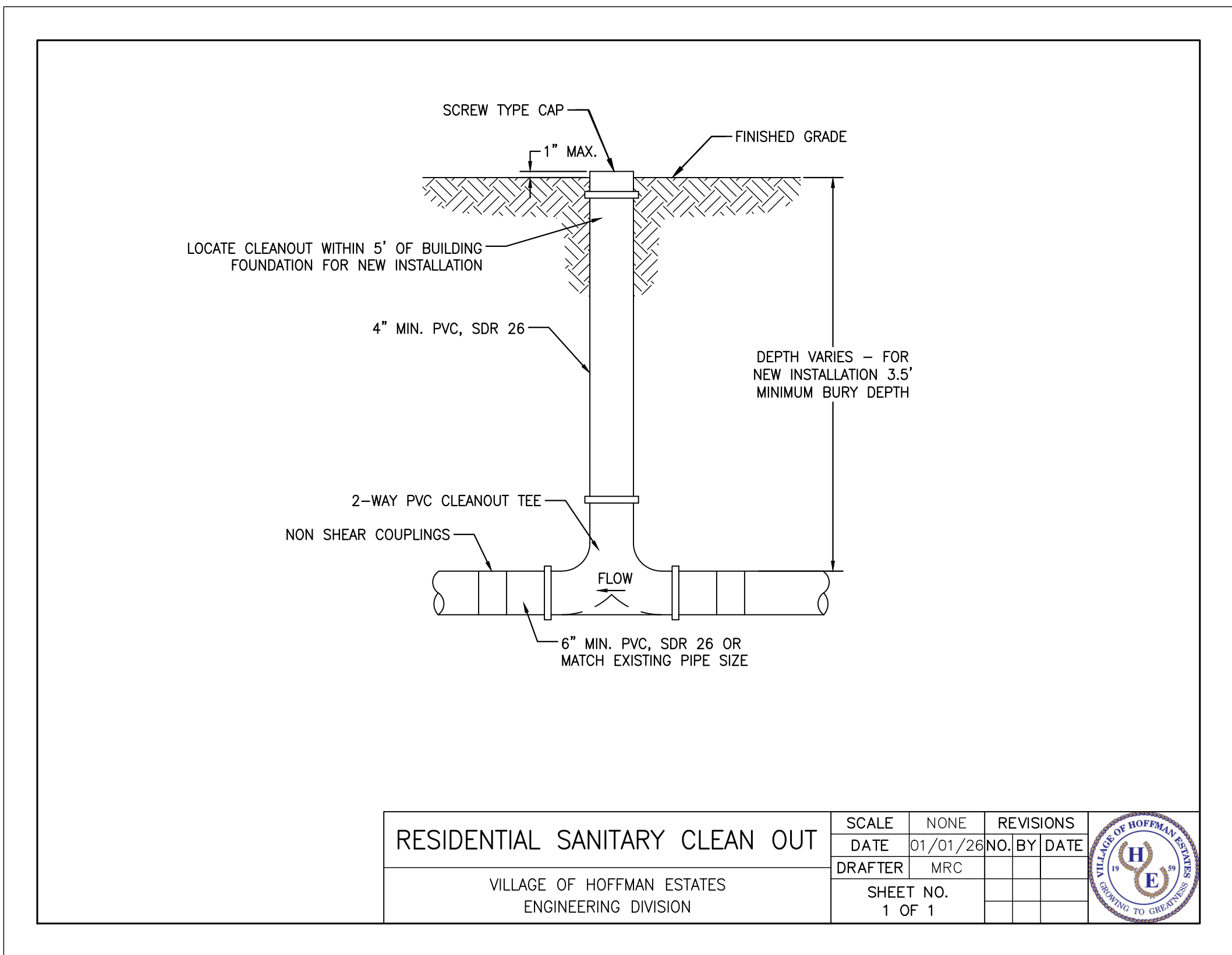
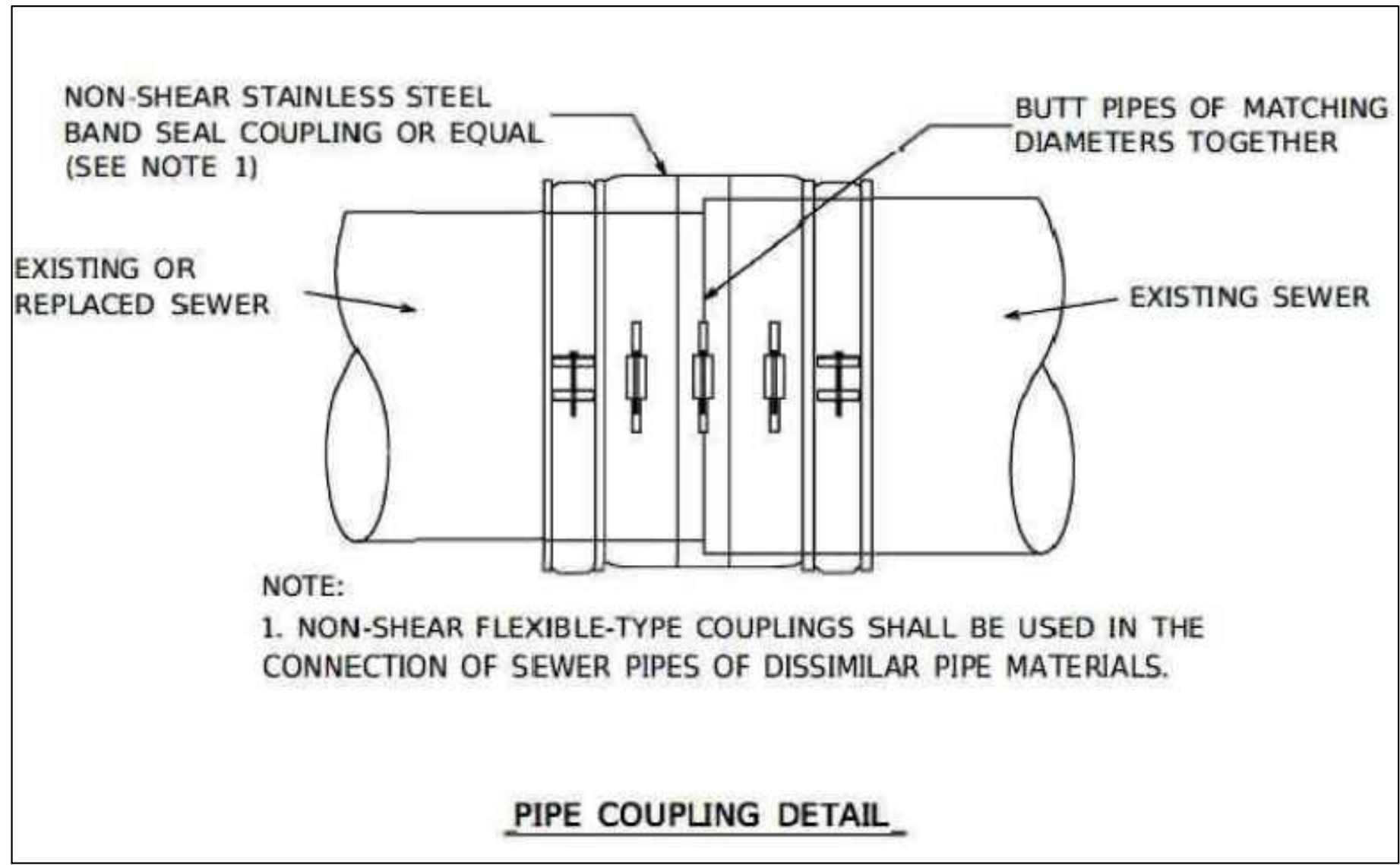
Notes:

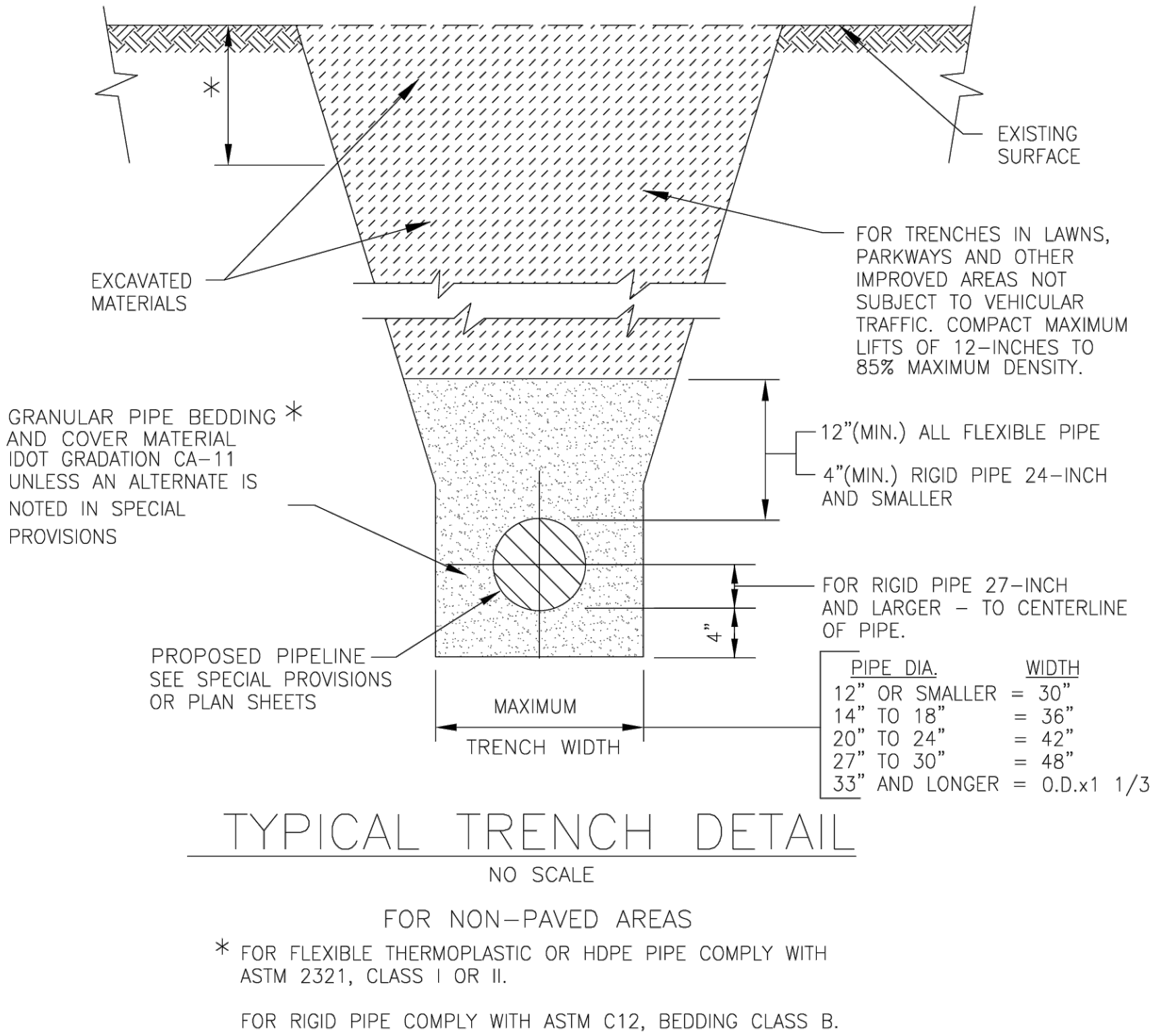
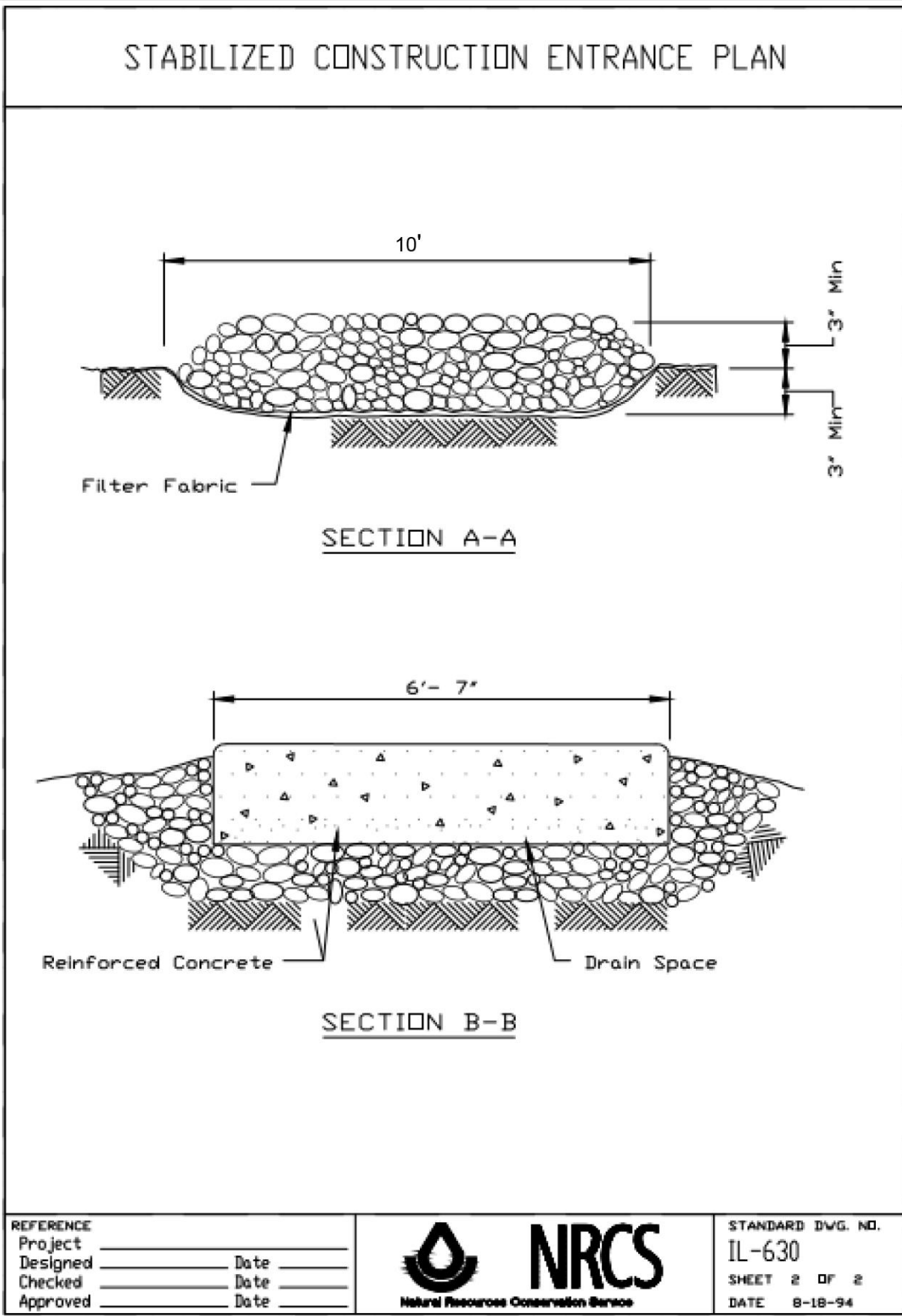
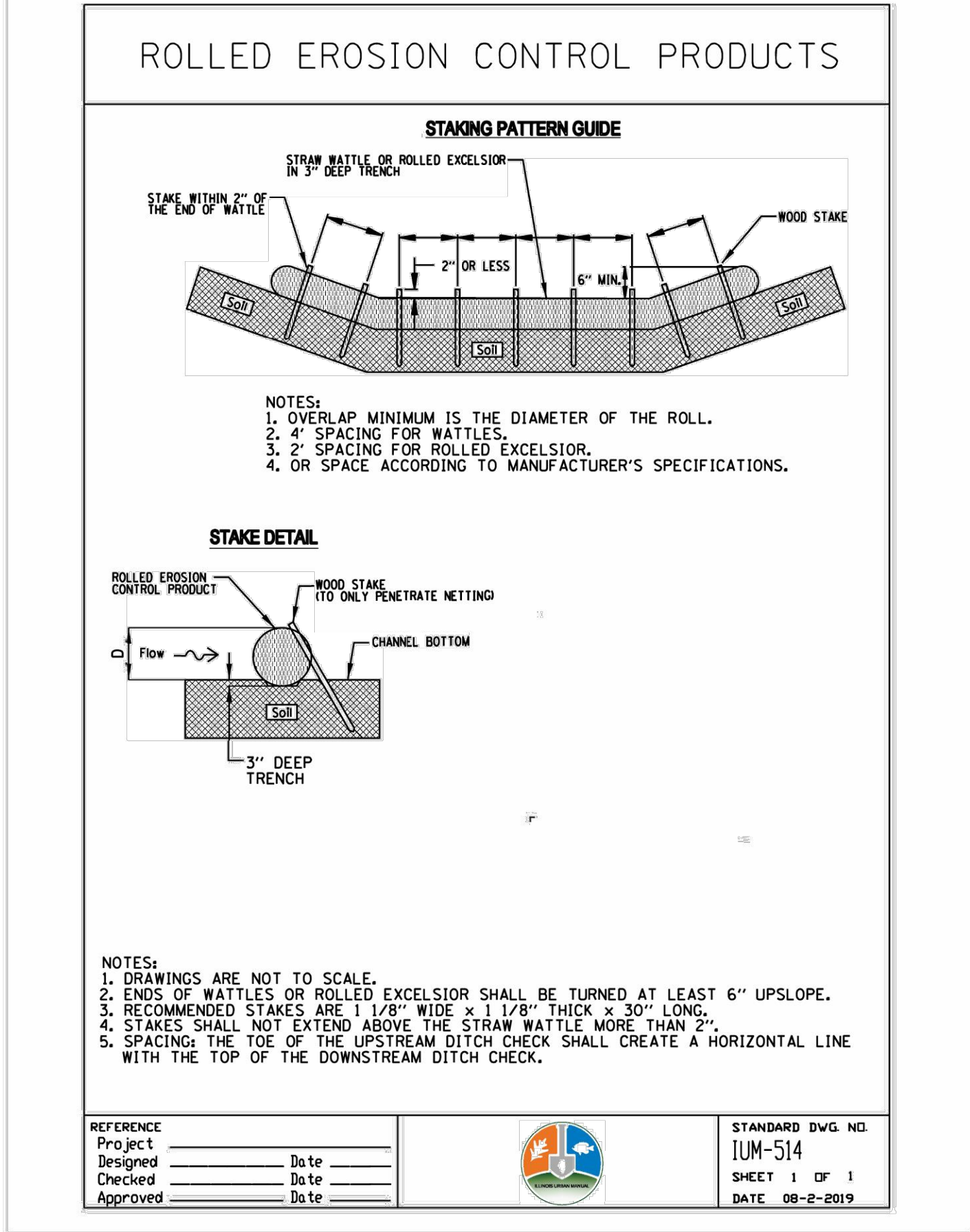
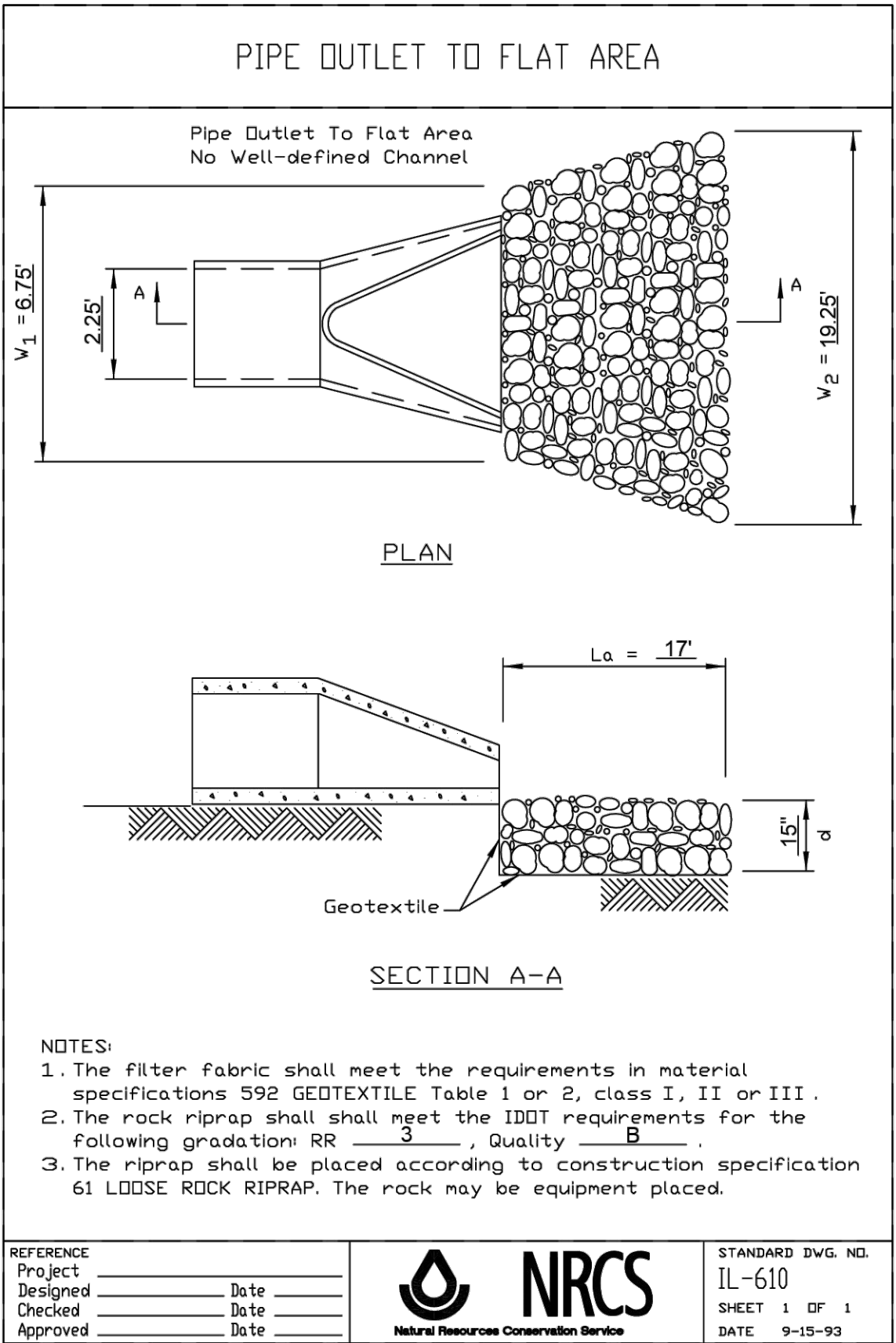
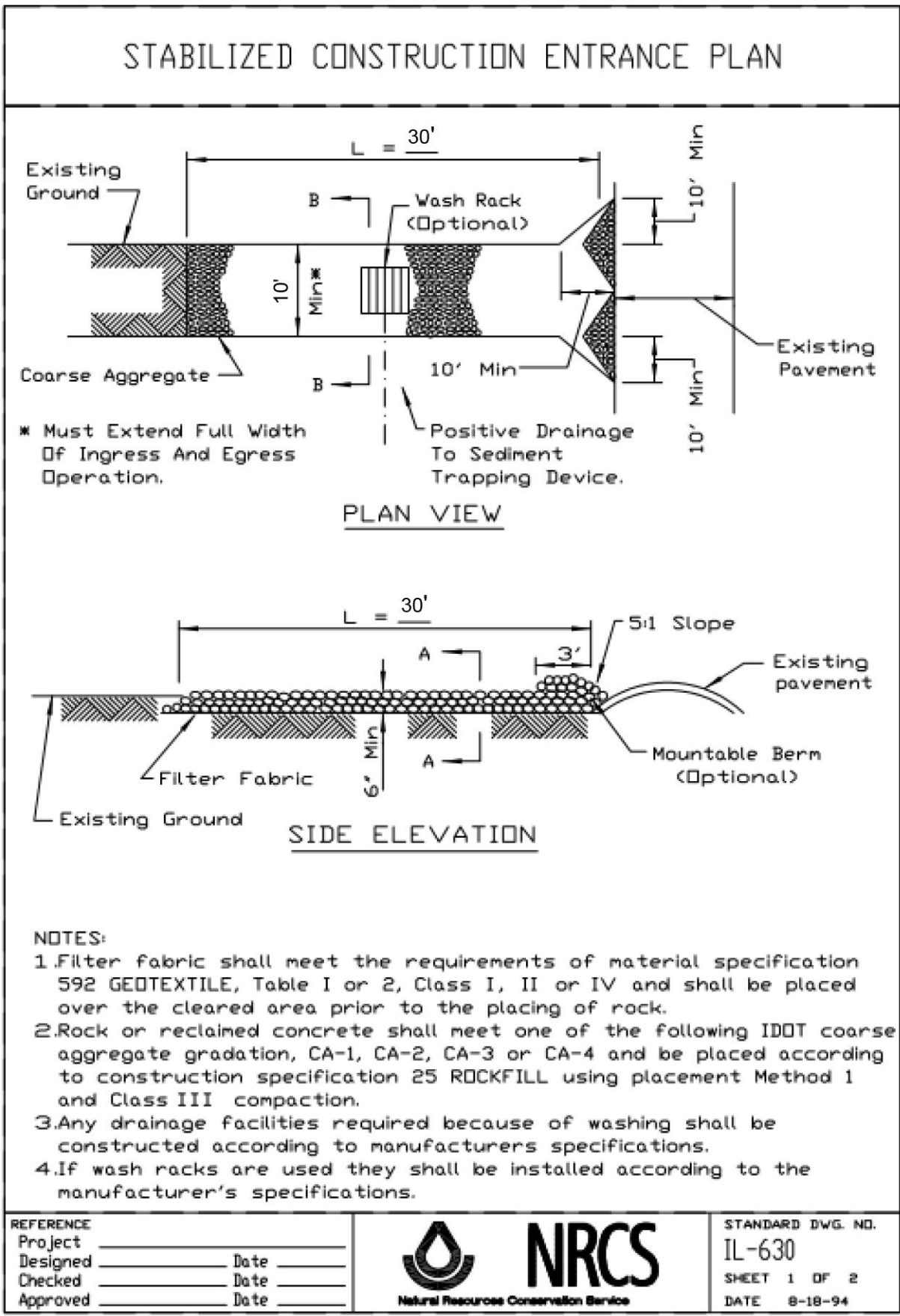
1. Lengths in feet per DIPRA thrust restraint design (Soil = Clay 1, Lay Condition = 4, Pressure = 58 psi, SF = 1.5).
2. Bend lengths required on both sides of fitting.
3. Tee lengths required on tee branch.
4. Reducer lengths required on larger pipe.



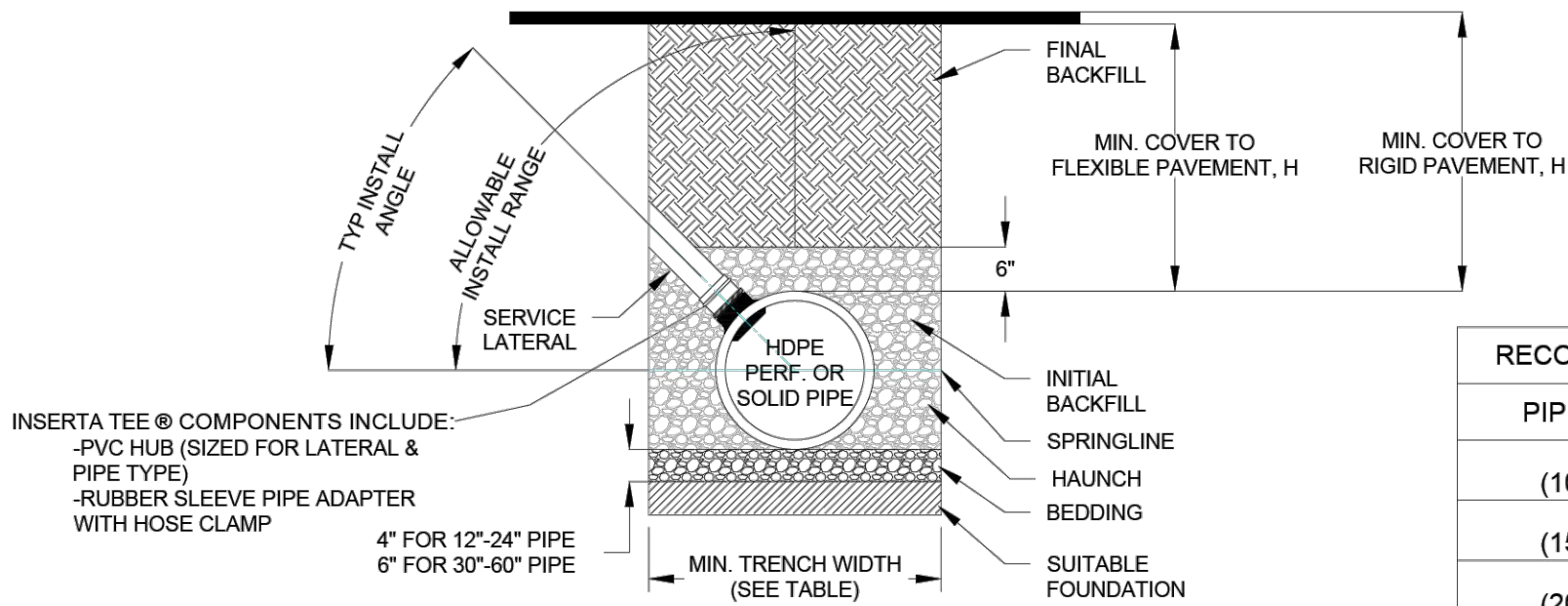
- NOTES:
1. ALL BELOW GRADE FASTENERS SHALL BE STAINLESS STEEL
BOLTS: GRADE 304, NUTS AND WASHERS: GRADE 300
 2. WATER MAIN SHALL BE PLACE IN VIRGIN GROUND
BENEATH PROPOSED UNDERCUT FOR STORM SEWER.

WATER MAIN ADJUSTMENT





INSERTA TEE® DETAIL (HDPE)




NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. THE INSERTA TEE CONNECTION CAN BE INSTALLED UP TO A VERTICAL ORIENTATION, BUT A 45° INSTALL ANGLE IS MOST COMMON. GREATER ANGLES ARE SUBJECT TO DESIGN ENGINEER APPROVAL AND MAY REQUIRE PREMIUM BACKFILL.
4. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
5. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm), 6" (150mm) FOR 30"-60" (750mm-1500mm).
6. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
7. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

RECOMMENDED MINIMUM TRENCH WIDTHS	
PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
(100mm)	(533mm)
6"	23"
(150mm)	(584mm)
8"	26"
(200mm)	(660mm)
10"	28"
(250mm)	(711mm)
12"	30"
(300mm)	(762mm)
15"	34"
(375mm)	(864mm)
18"	39"
(450mm)	(991mm)
24"	48"
(600mm)	(1219mm)
30"	56"
(750mm)	(1422mm)
36"	64"
(900mm)	(1626mm)
42"	72"
(1050mm)	(1829mm)
48"	80"
(1200mm)	(2032mm)
54"	88"
(1350mm)	(2235mm)
60"	96"
(1500mm)	(2438mm)

NOTE: FOR INSTALLATION INSTRUCTIONS, REFER TO DETAIL STD-1100. FOR PROTRUSION INFORMATION, REFER TO DETAIL STD-1101. FOR HOLE SAW INFORMATION, REFER TO DETAIL STD-1102.

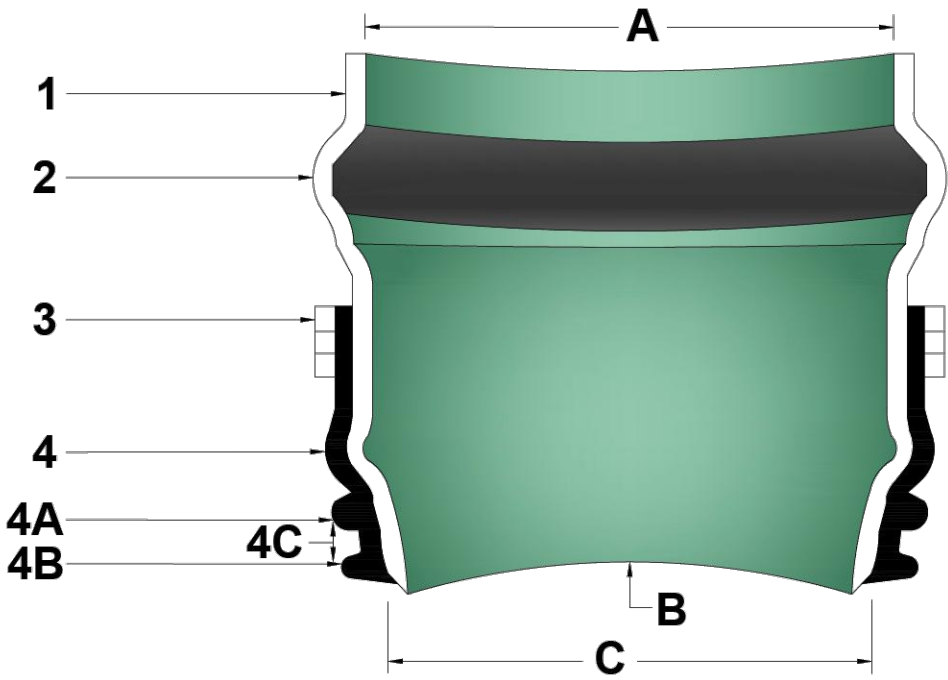
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.	INSERTA TEE DETAIL (HDPE)	 4640 TRUEMAN BLVD HILLIARD, OH 43026	DESIGN BY: HAK DATE: 07/19/23 DRAWN BY: ENG SCALE: NTS SHEET: 1
	DRAWING NUMBER: STD-1011		

INSERTA TEE® FITTINGS
SDR 26 HWS GASKETED BELL GRAVITY APPLICATIONS

- A. BELL END ACCEPTS PIPE WITH SDR 26, ASTM D3034 OR EQUIVALENT O.D. SPECIFICATION IN 8", 10", 12", 15", AND 18" SIZES (FOR 4" AND 6" SIZES, REFER TO FATBOY SPECIFICATIONS).
- B. CURVATURE VARIES WITH MAINLINE DIAMETERS.
- C. SPIGOT END PVC SDR 26, ASTM D3034 DIAMETERS: 8", 10", 12" AND 15".

PART #	PART NAME
1	HUB ADAPTOR
2	RUBBER GASKET
3	SECURING CLAMP
4	RUBBER SLEEVE (AVAILABLE IN NITRILE AND EPDM BY SPECIAL ORDER)
4A	UPPER SEGMENT**
4B	LOWER SEGMENT***
4C	REFER TO STD - 1103: WALL THICKNESS CHART


* OPTIONAL: #316 STAINLESS STEEL BAND, SCREW, AND HOUSING
** DISTANCE BETWEEN 4A AND 4B WILL VARY BY PRODUCT TYPE
*** WILL NOT APPEAR ON RUBBER SLEEVES FOR CONCRETE OR CLAY PIPE



INSERTA TEE SIZE	HOLE DIAMETER
8"	8 3/4"
(200mm)	(222mm)
10"	10 7/8"
(250mm)	(276mm)
12"	12 7/8"
(300mm)	(327mm)
15"	19 3/16"
(375mm)	(503mm)

MATERIALS
PVC SDR 26 ASTM D3034
ASTM F477
BAND SS #301
SCREW SS #305
HOUSING SS #301

NOTE: FOR INSTALLATION INSTRUCTIONS, REFER TO DETAIL STD-1100. FOR PROTRUSION INFORMATION, REFER TO DETAIL STD-1101. FOR HOLE SAW INFORMATION, REFER TO DETAIL STD-1102.

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.	INSERTA TEE FITTINGS SDR 26 HWS GASKETED BELL FOR GRAVITY APPLICATIONS	 4640 TRUEMAN BLVD HILLIARD, OH 43026	DESIGN BY: HAK DATE: 03/06/23 DRAWN BY: ENG SCALE: NTS SHEET: 1
	DRAWING NUMBER: STD-1110		

FINAL DESIGN

CONSULTANTS

REVISED –
REVISED –
REVISED –
REVISED –

VILLAGE OF HOFFEMAN ESTATES
NOGALES

10+00.00

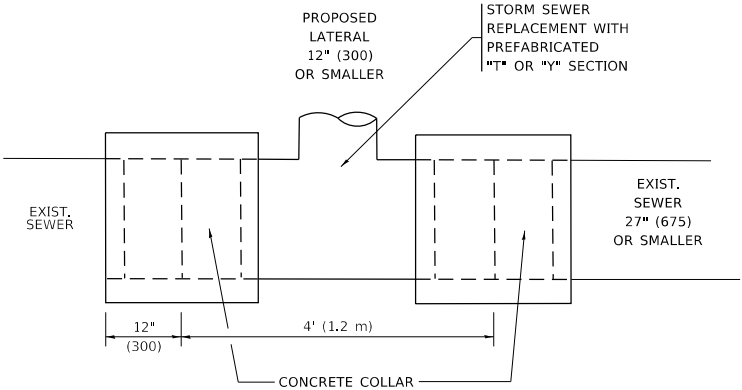
SCALE: HORIZ 1"=20' / VERT 1"=5'

PROJECT NO: 2500327

DESIGNED – RW
DRAWN – AAM
CHECKED –
DATE – 5/31/25

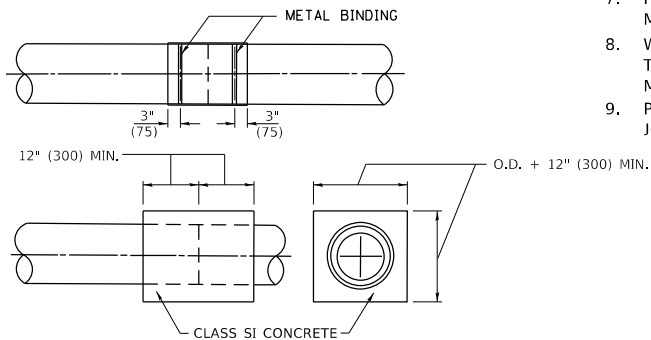
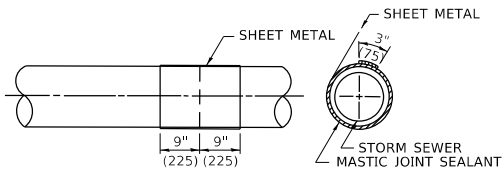
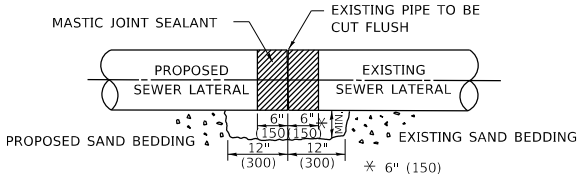
TOTAL SHEETS
54
SHEET NO.
42

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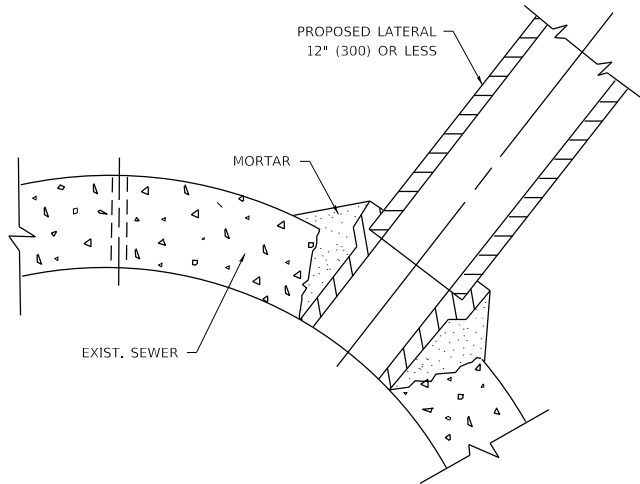
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

	USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 10-25-94									54	43
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. SHAH 06-12-96		BD500-01 (BD-07)		CONTRACT NO.						
	PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJECT		

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.

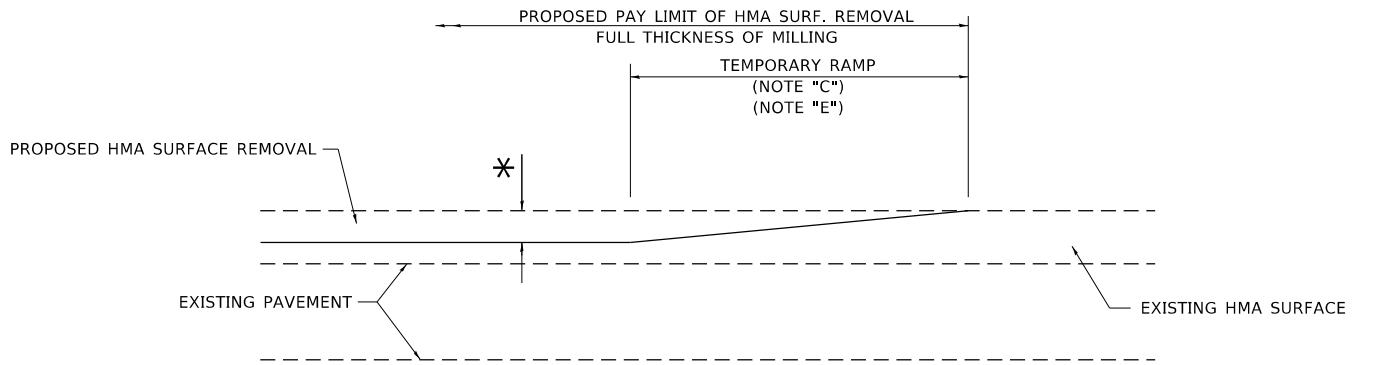


1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

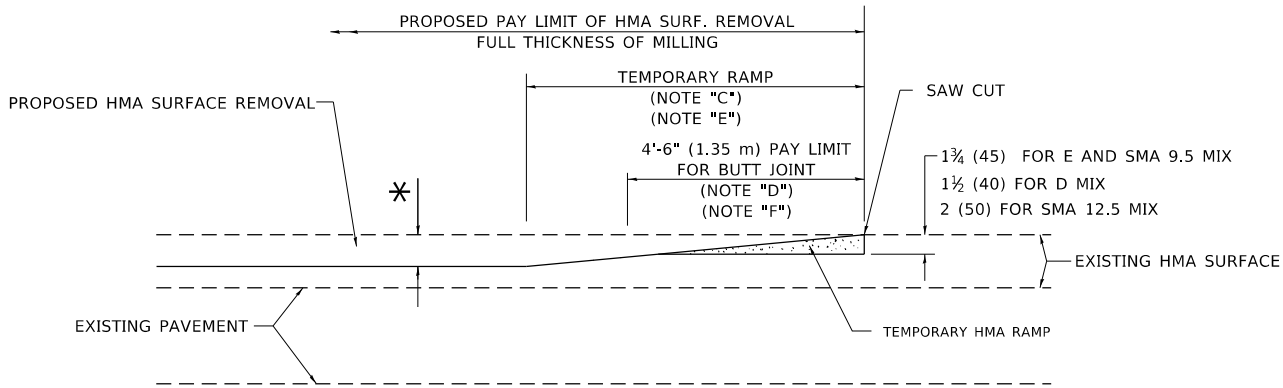
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME: DMS	USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07									54	44
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)				CONTRACT NO.				
	PLOT DATE = 11/18/2022	DATE = 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

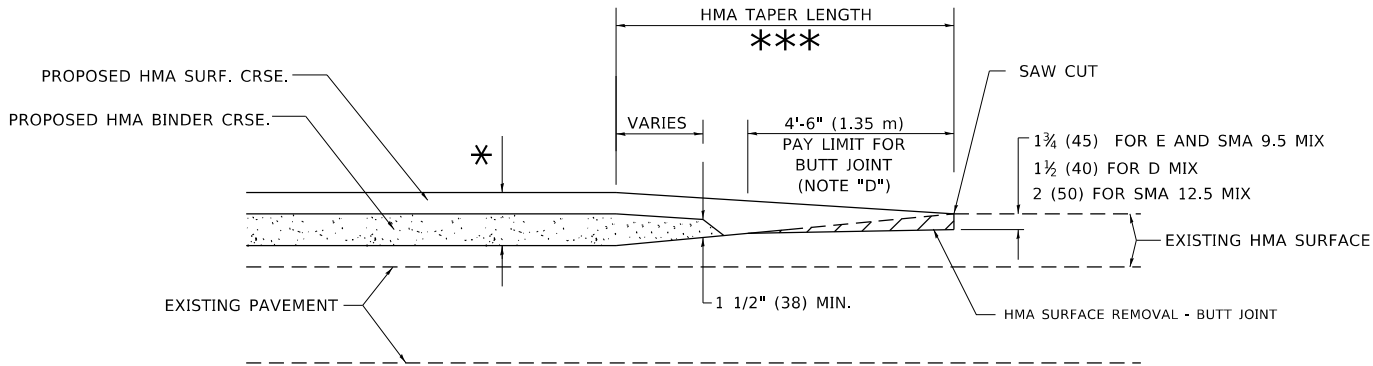
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

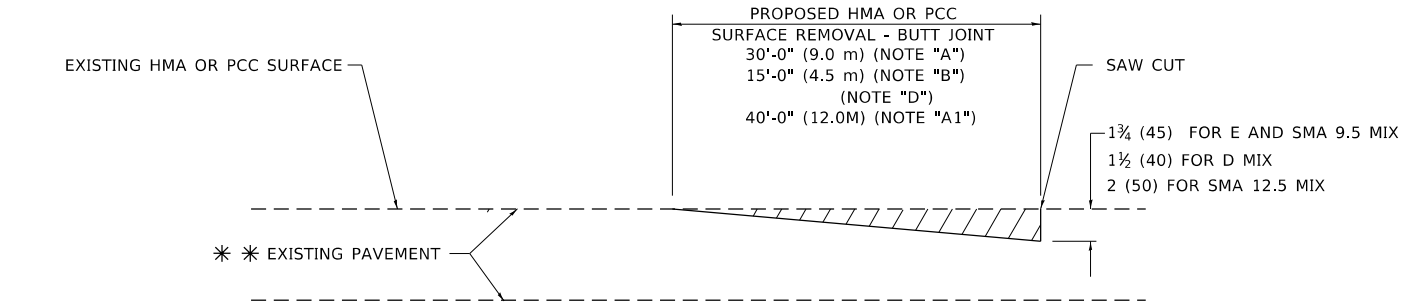
OPTION 2

TYPICAL TEMPORARY RAMP

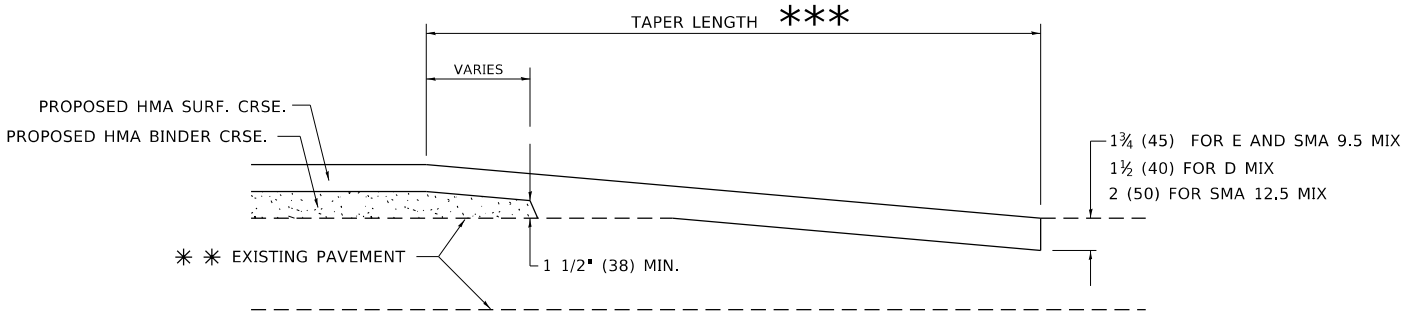


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

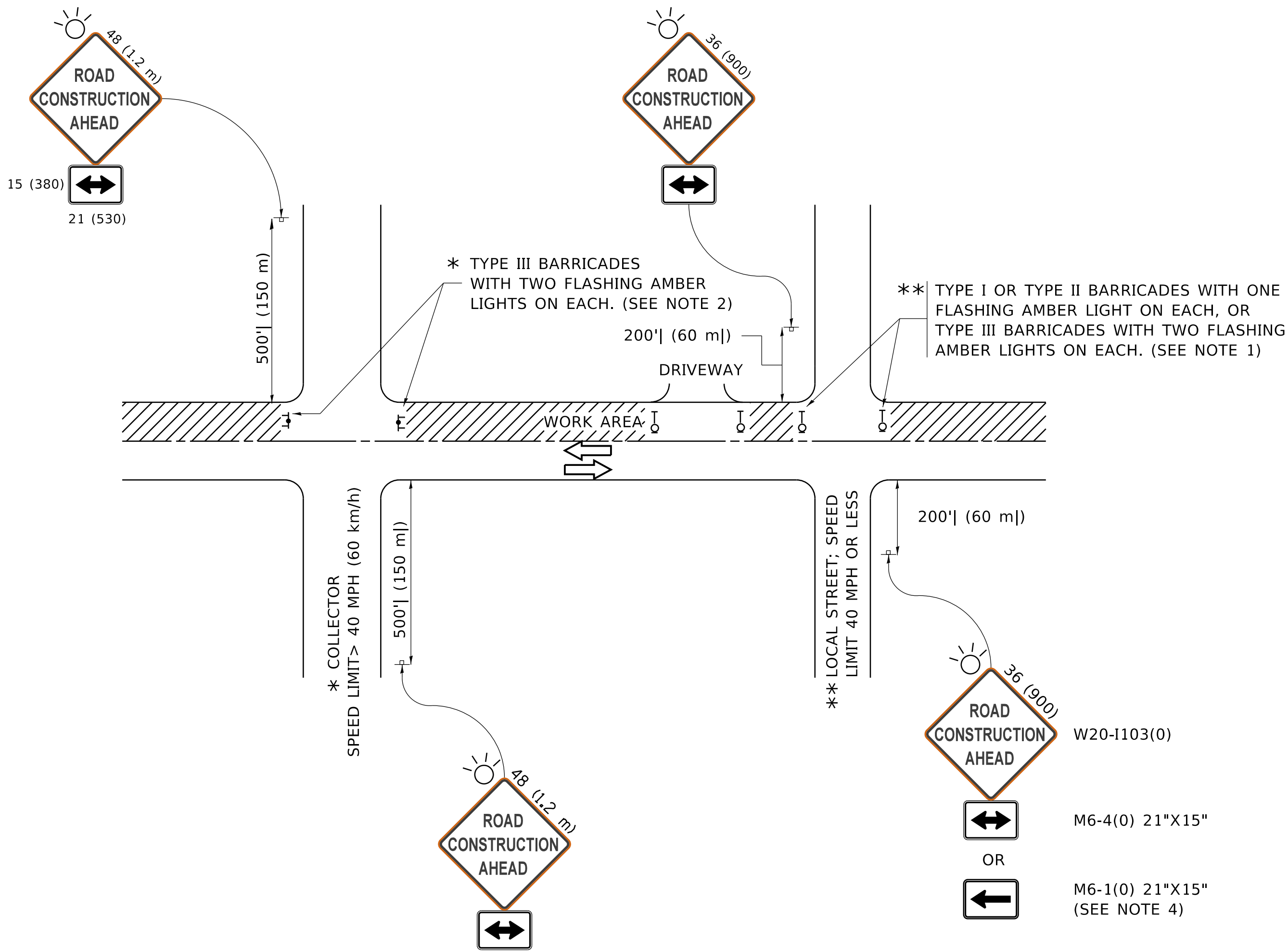
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			54	45
BD400-05 BD-32		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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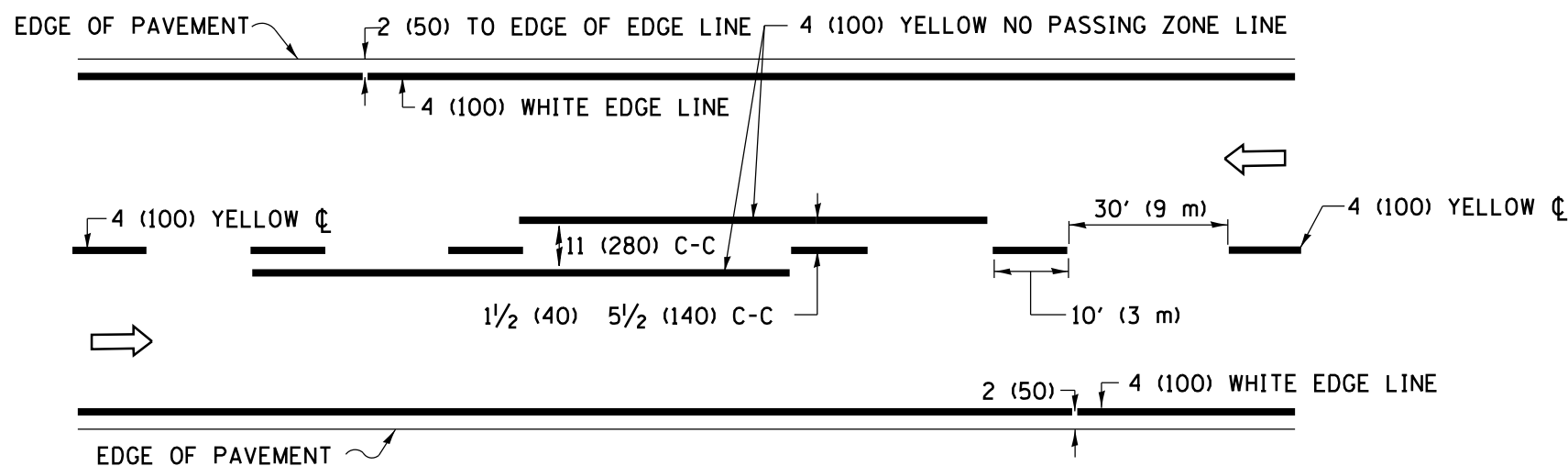
NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

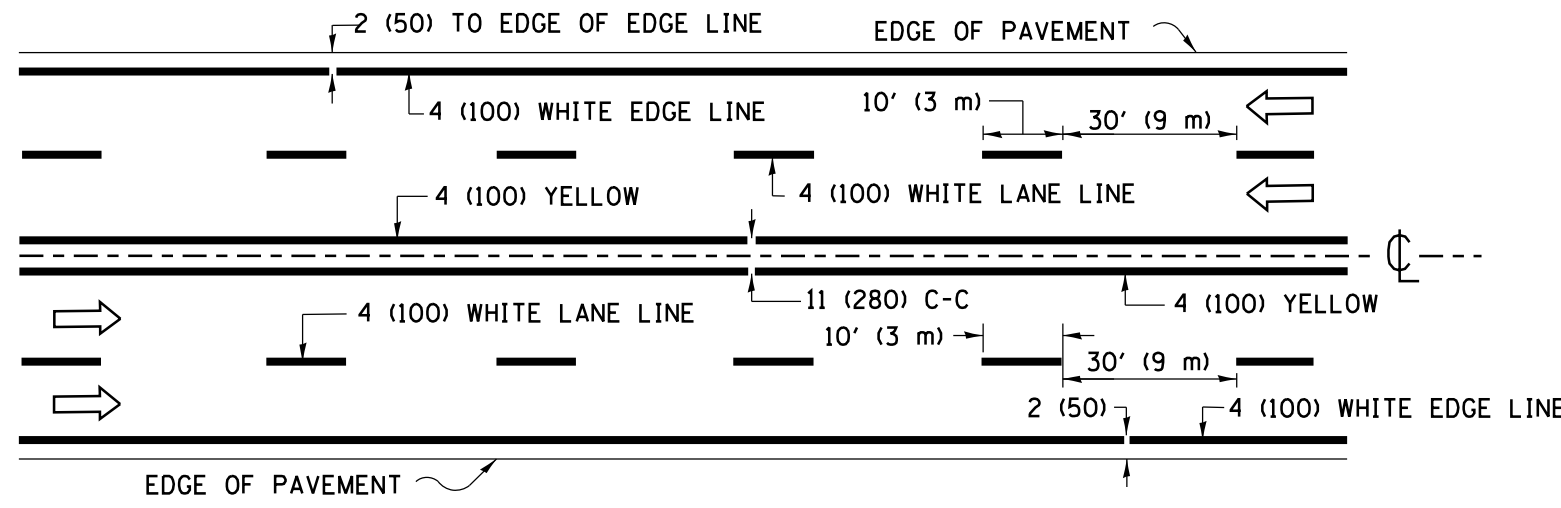
All dimensions are in inches (millimeters)
unless otherwise shown.

	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 01-06-00									54	46
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	PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16		ILLINOIS FED. AID PROJECT								
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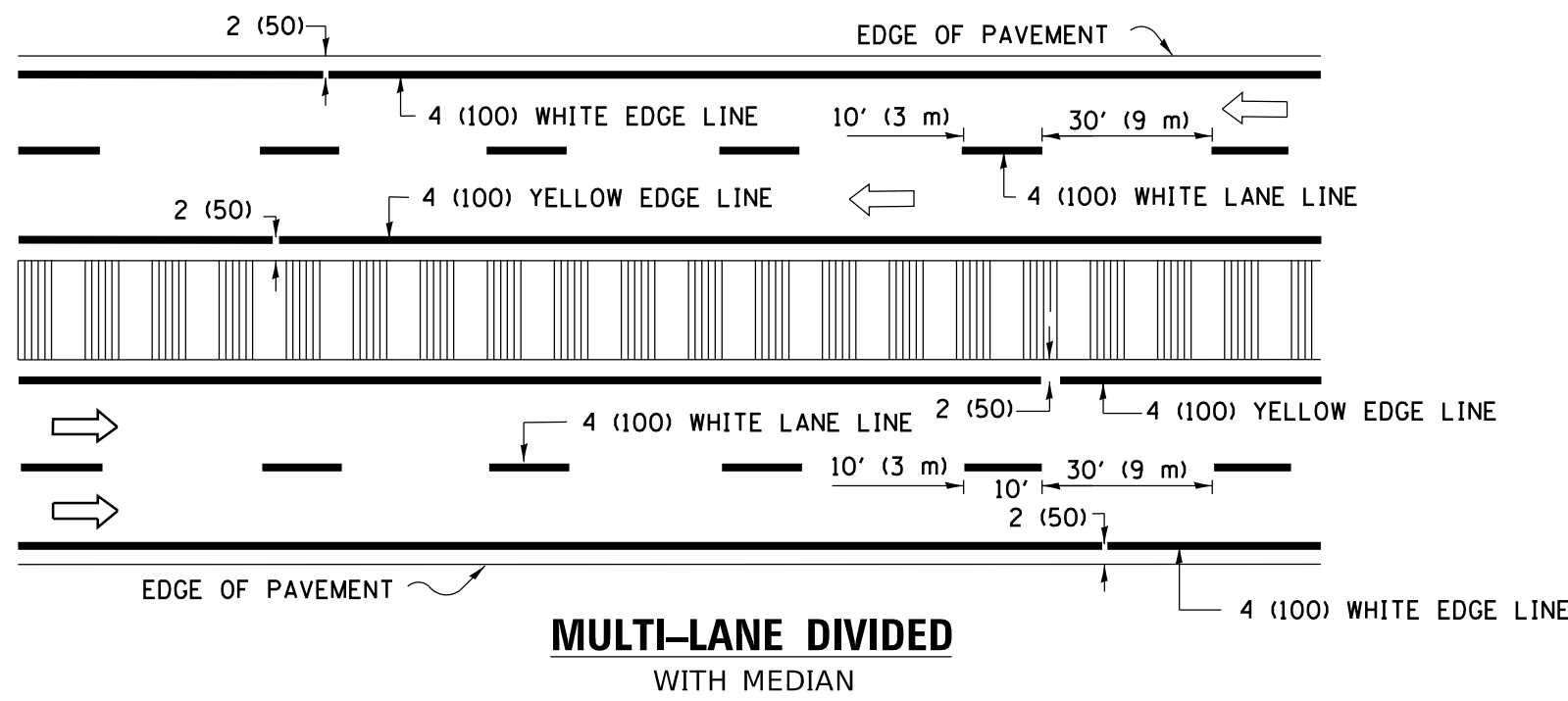
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13-Apr-2019 10:34:37 AM User: goemmi



2-LANE ROADWAY

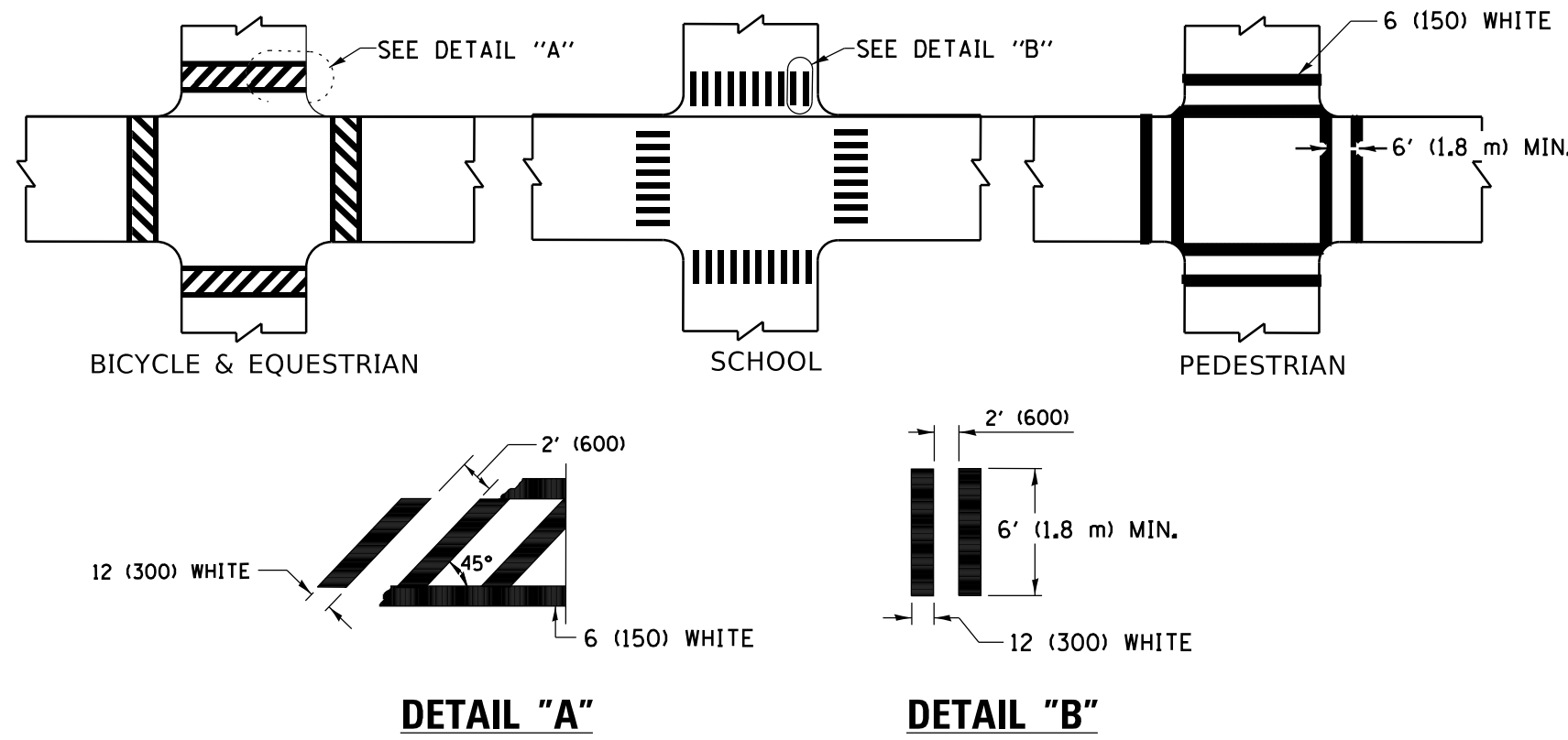


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

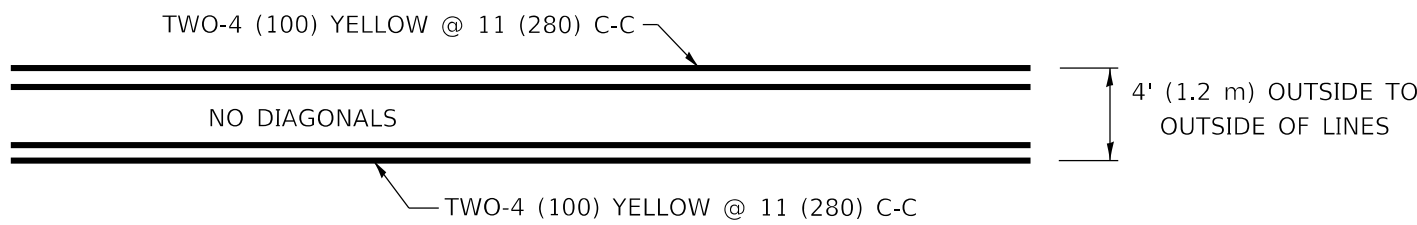


DETAIL "A"

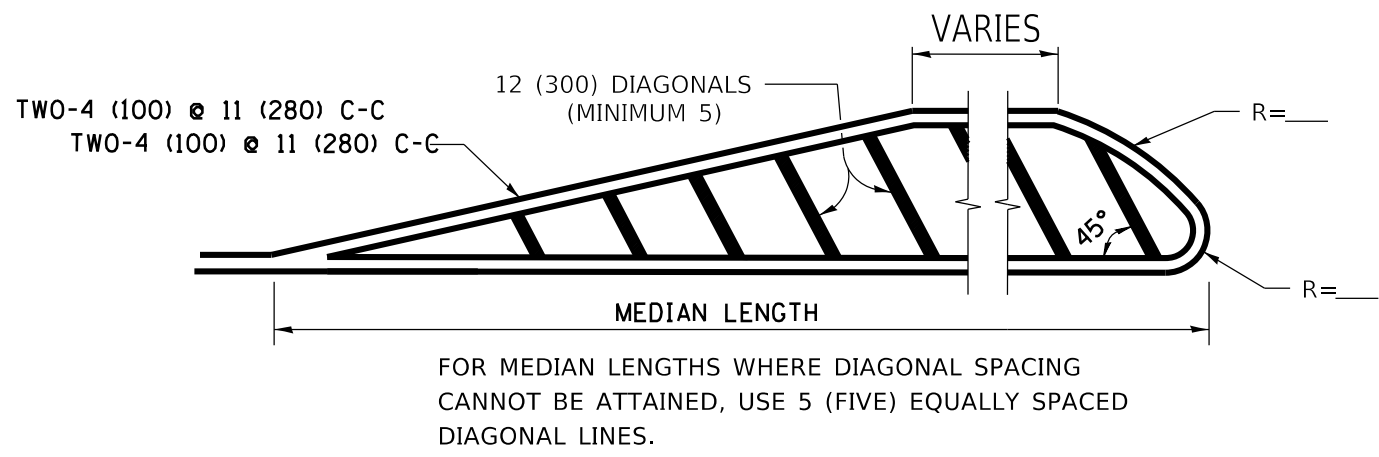
DETAIL "B"

TYPICAL CROSSWALK MARKING

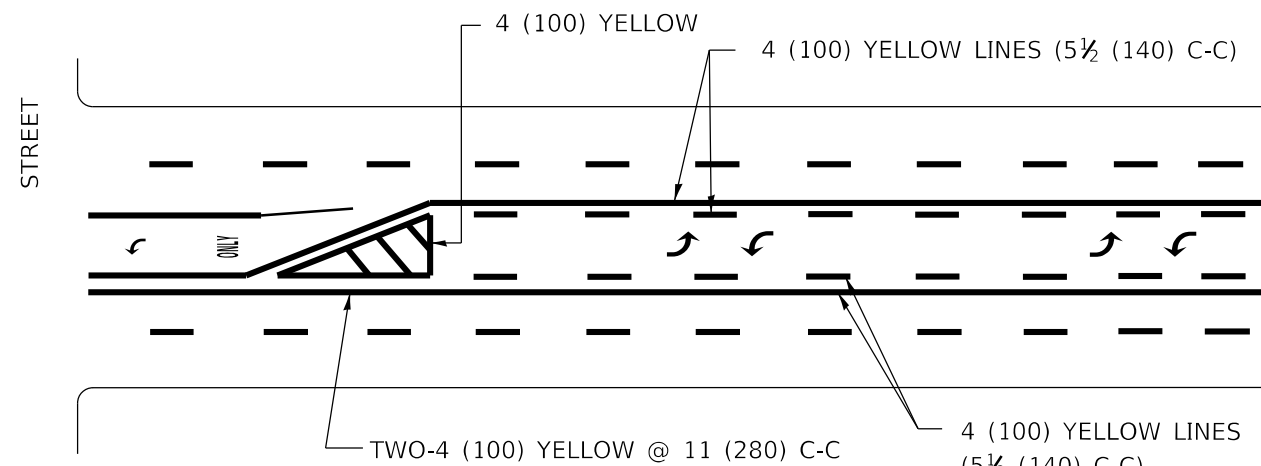
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



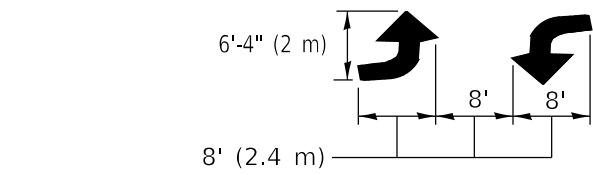
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

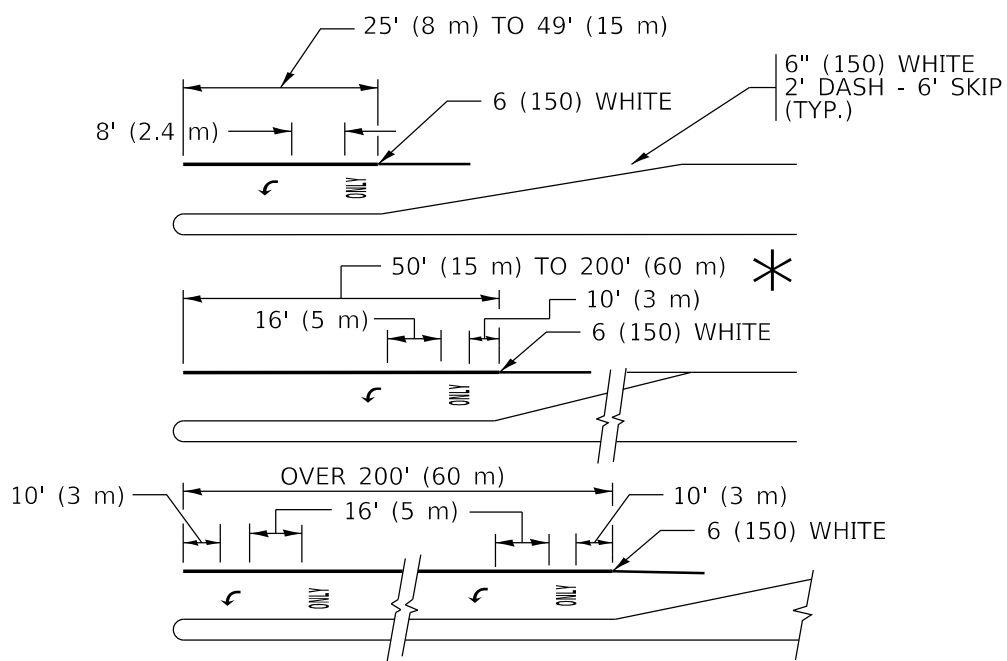


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

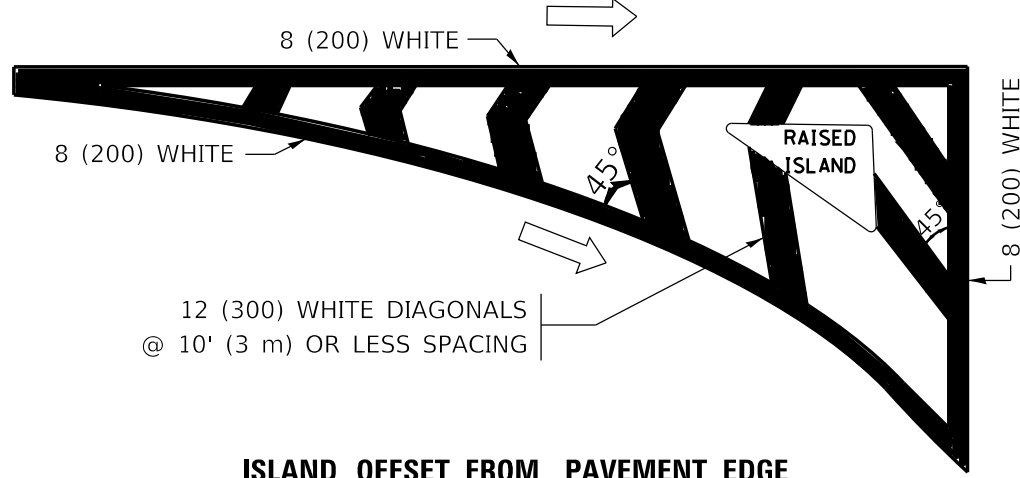
TYPICAL PAINTED MEDIAN MARKING



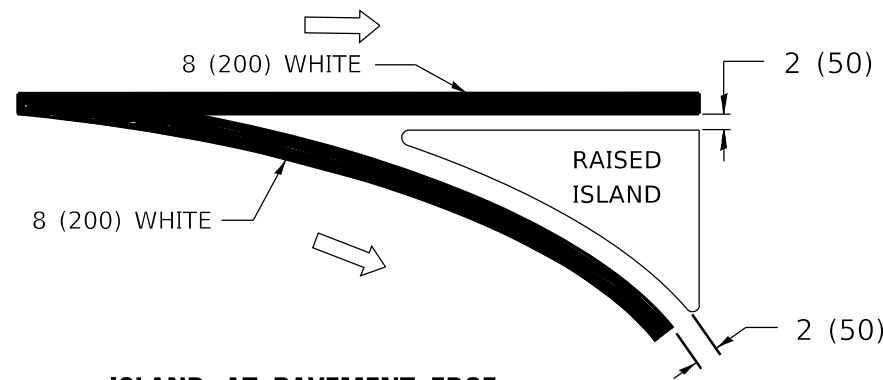
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

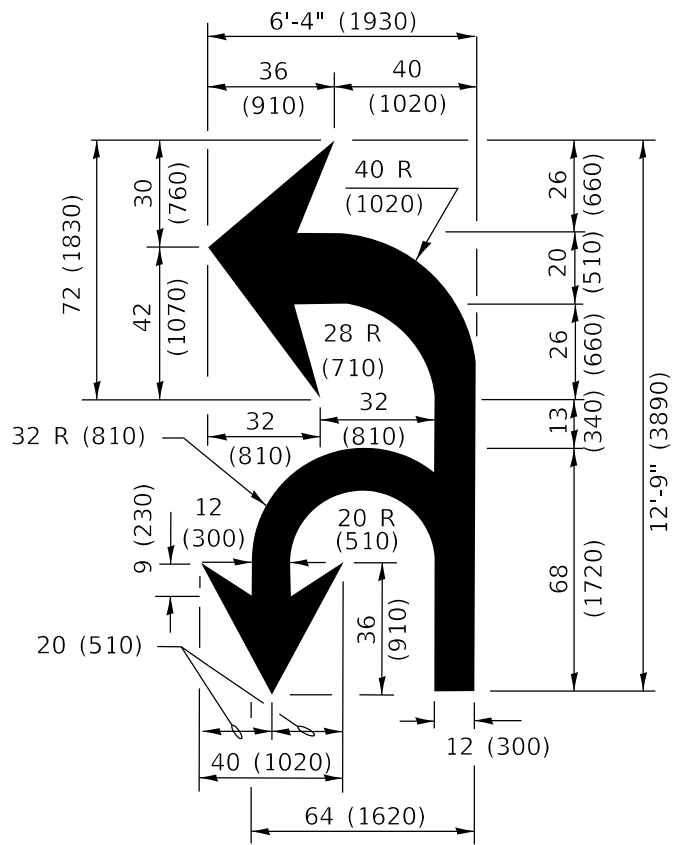


ISLAND OFFSET FROM PAVEMENT EDGE

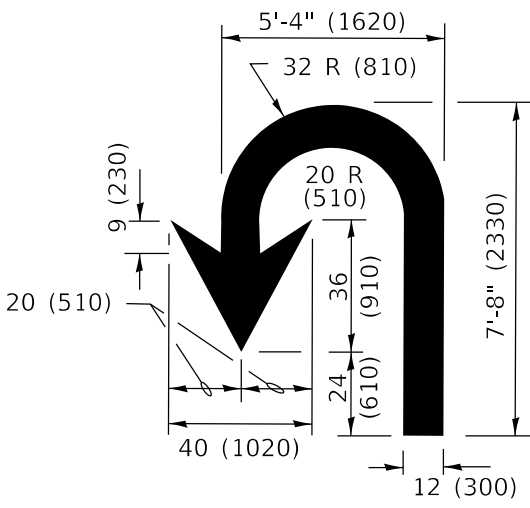


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION
LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGTUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

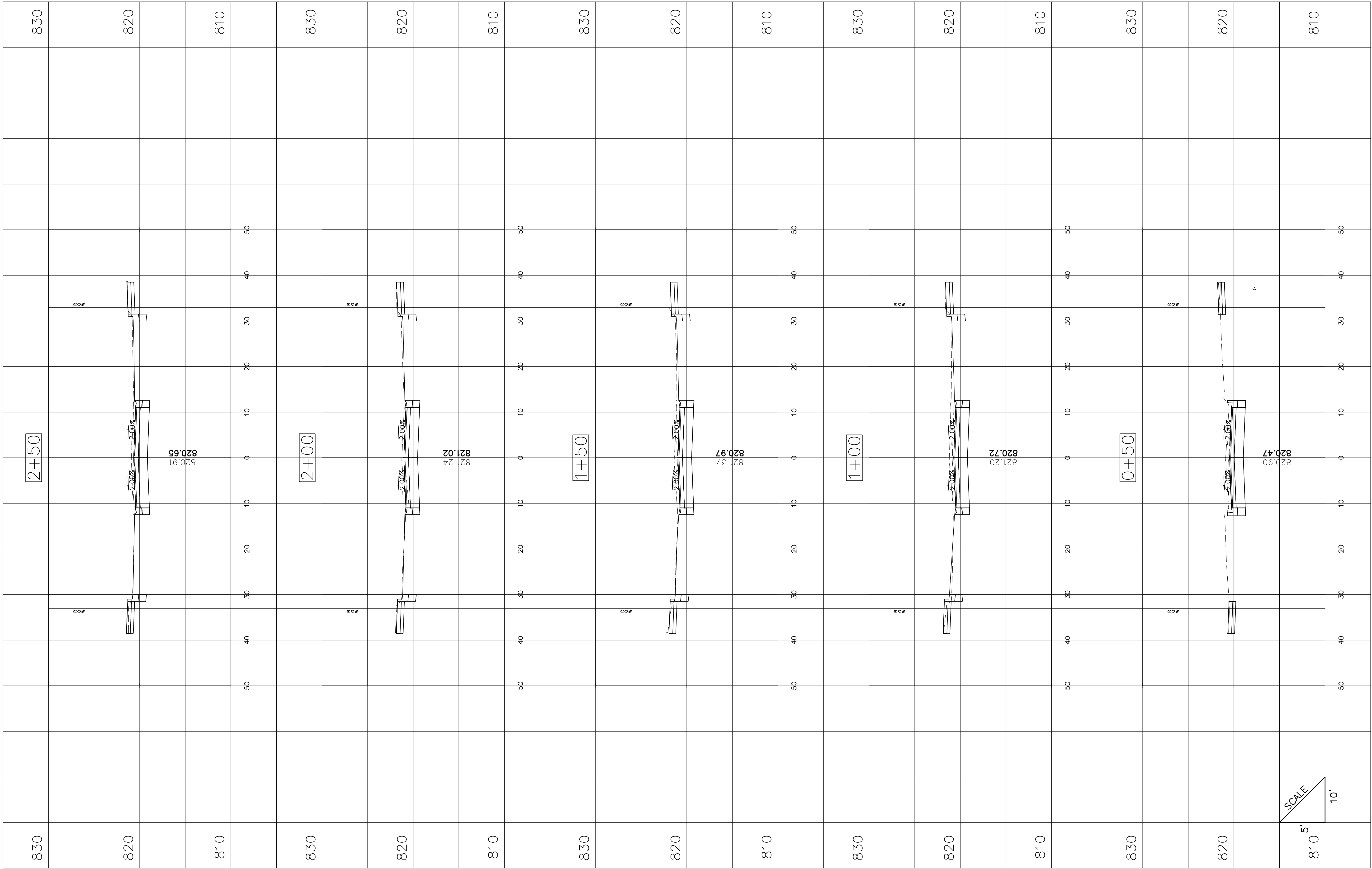
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			54	47
TC-13		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

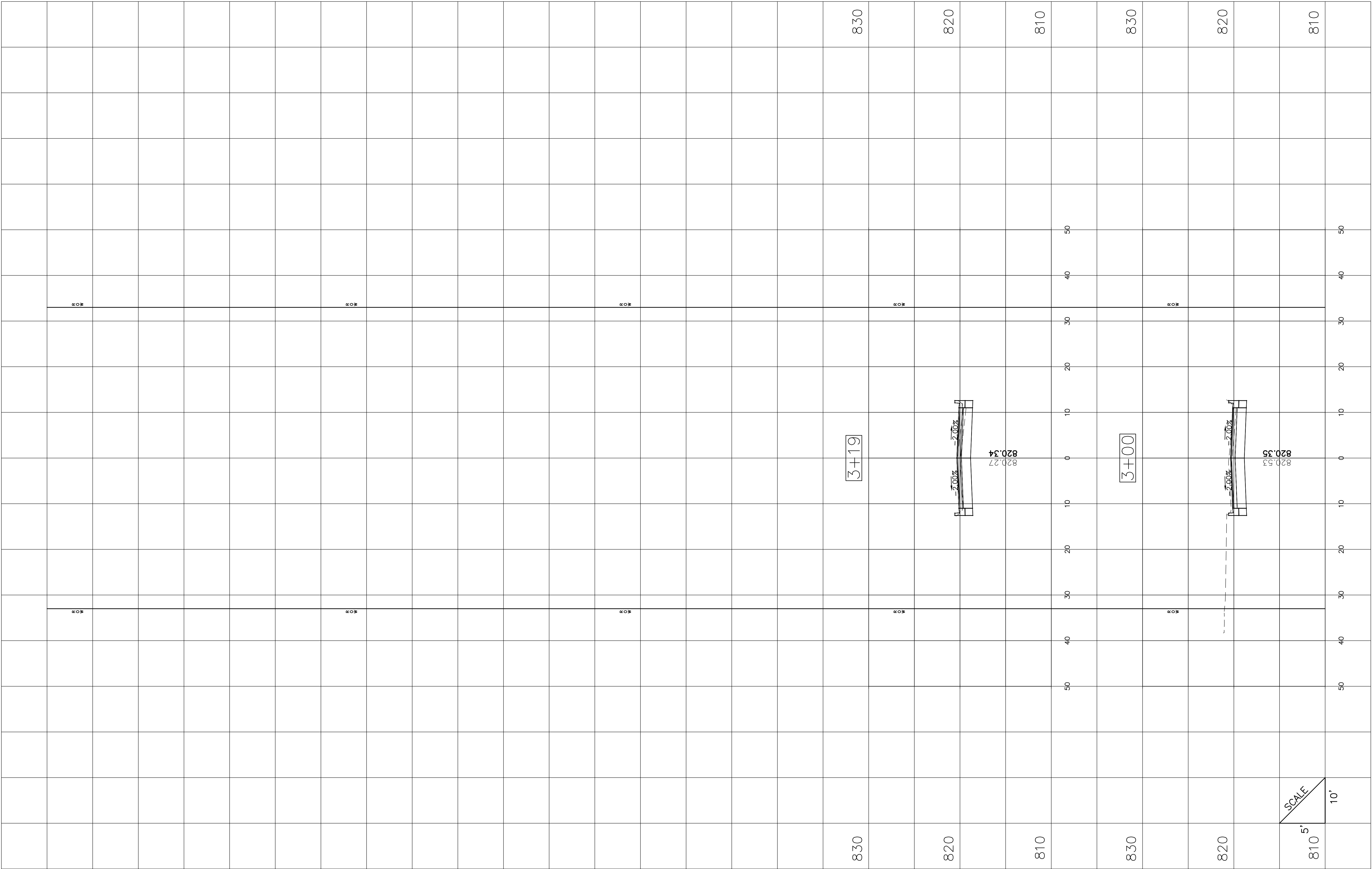
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	PLOTTED			
NOTE BOOK	GRADES CHECKED			
NO.	DATE			
	STRUCTURE NOTATIONS CHKD			

PLAN	SURVEYED		
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
NO.	DATE		
	CAD FILE NAME		



PROFILE	SURVEYED	DATE	BY	DATE
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NOTE BOOK	GRADES CHECKED			
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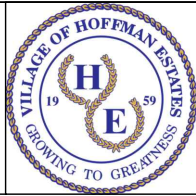
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NO. _____	RT. OF WAY CHECKED	
	CADD FILE NAME	



FILE NAME =
Chelmsford PI X-Sections.dwg

DESIGNED - DSG
DRAWN - DSG
CHECKED - AJW
DATE - 03/08/2023

REVISED -
REVISED -
REVISED -
REVISED -



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

2026 Infrastructure Improvements Project
Cross Sections - Chelmsford PI

SHEET NO. 2 OF 3 SHEETS

STA. 3+00 TO STA 3+19

F.A.U.
RTE.

SECTION
22-00110-00-RS

COUNTY
Cook

TOTAL SHEETS
54

SHEET NO.
49

ILLINOIS

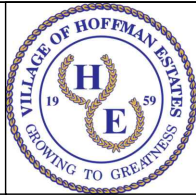
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NO.	PLOTTED	
	NOTE BOOK ALIGNMENT CHECKED	
	DATE	
	CADD FILE NAME	

FILE NAME =
Chelmsford PI X-Sections.dwg

DESIGNED - DSG
DRAWN - DSG
CHECKED - AJW
DATE - 03/08/2023

REVISED -
REVISED -
REVISED -
REVISED -



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

2026 Infrastructure Improvements Project
Cross Sections - Chelmsford PI

SHEET NO. 1 OF 3 SHEETS

STA. 0+00 TO STA 1+60

F.A.U.
RTE.

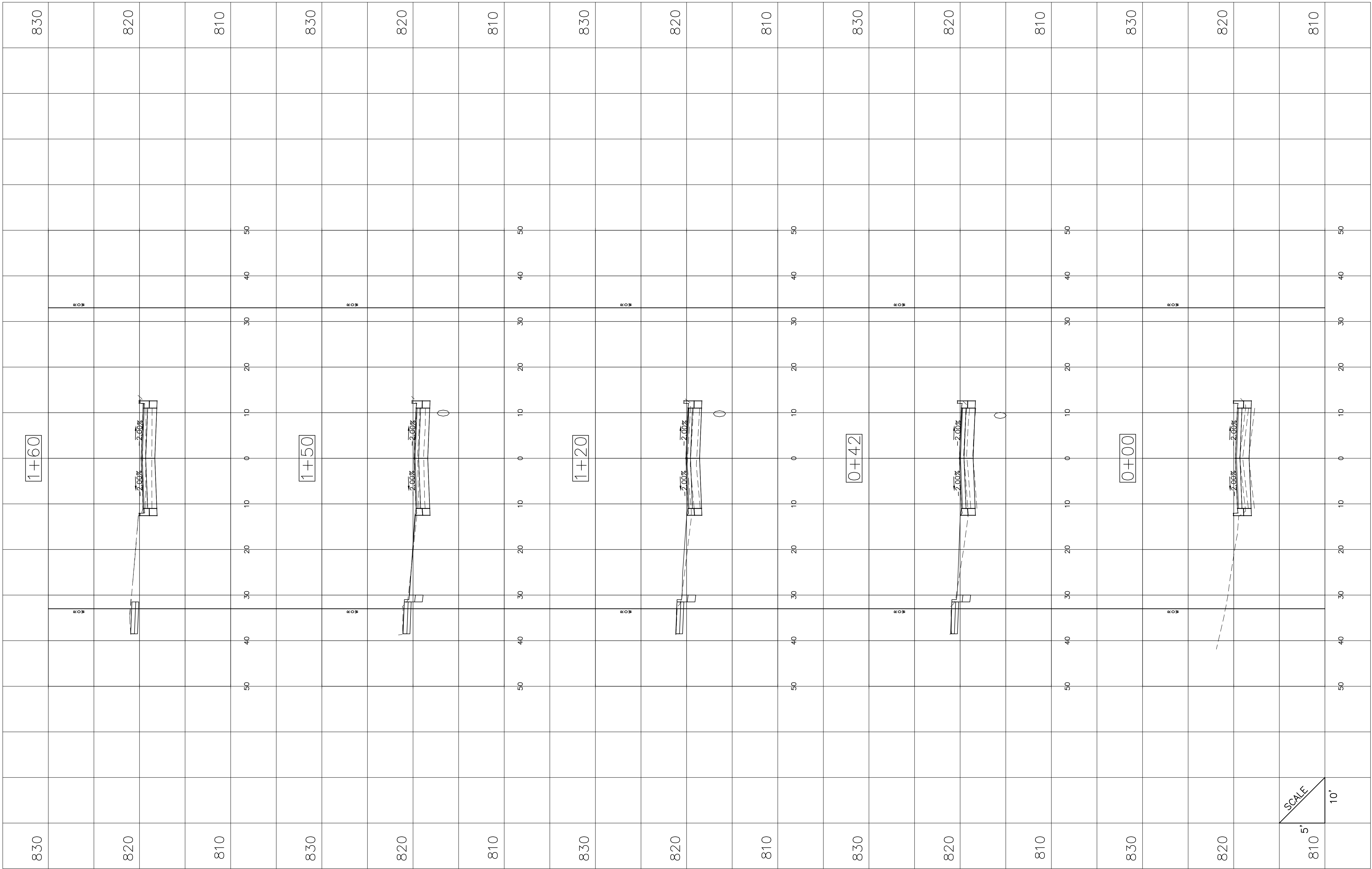
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COUNTY
Cook

TOTAL SHEETS
54

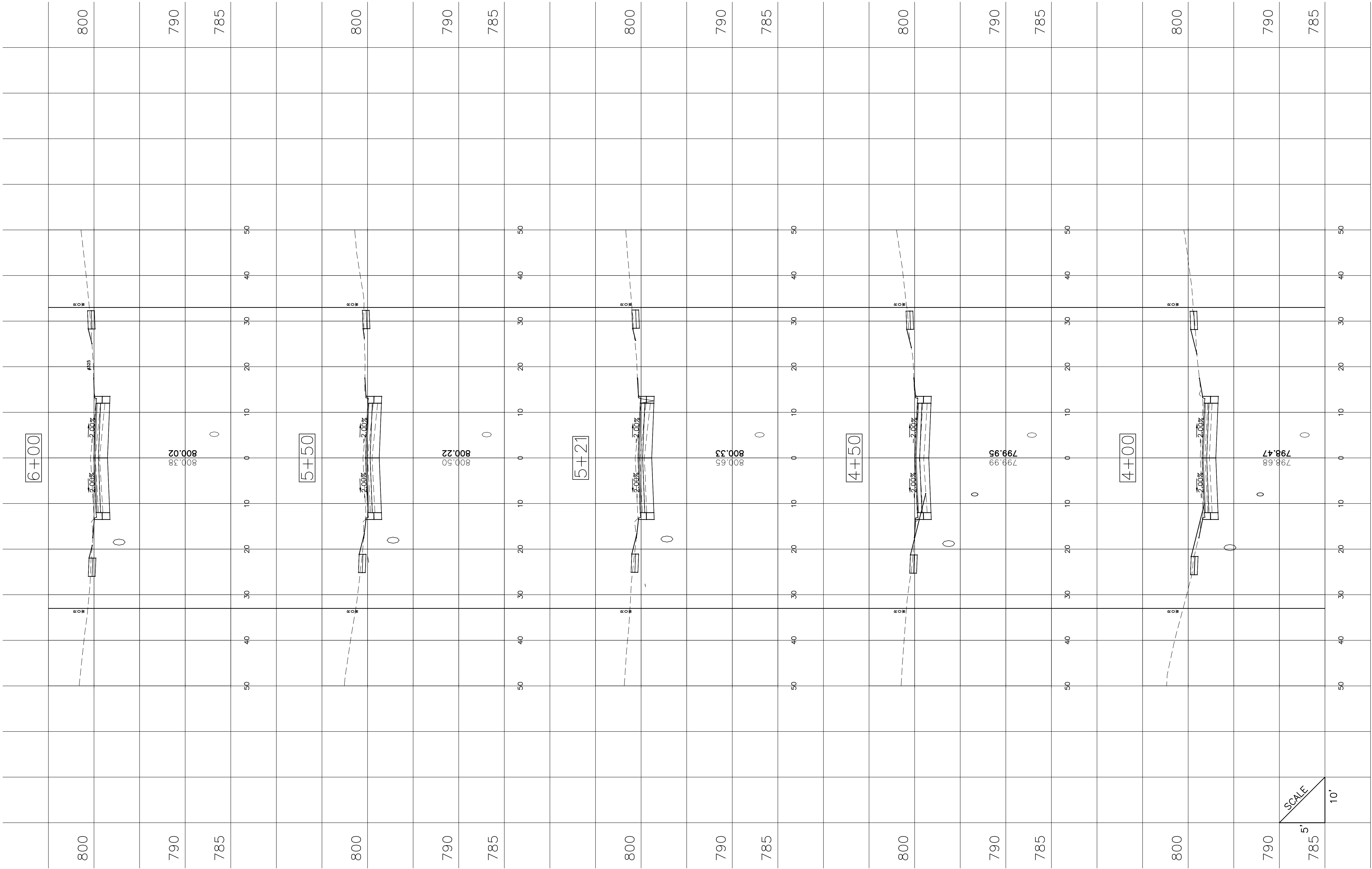
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ILLINOIS



PROFILE	SURVEYED	DATE	BY	DATE
	PLOTTED			
NOTE BOOK	GRADES CHECKED			
NO.	DATE			
	STRUCTURE NOTATIONS CHKD			

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



SCALE
5'
10'

PROFILE	SURVEYED	DATE	BY	DATE
	PLOTTED			
NOTE BOOK NO.	GRADES CHECKED			
	DATE			
	STRUCTURE NOTATIONS CHKD			

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

