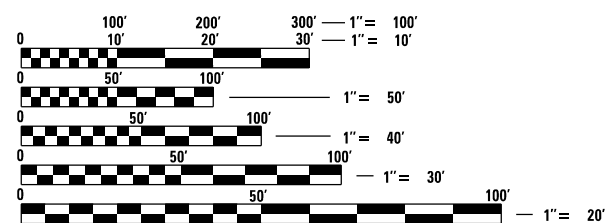
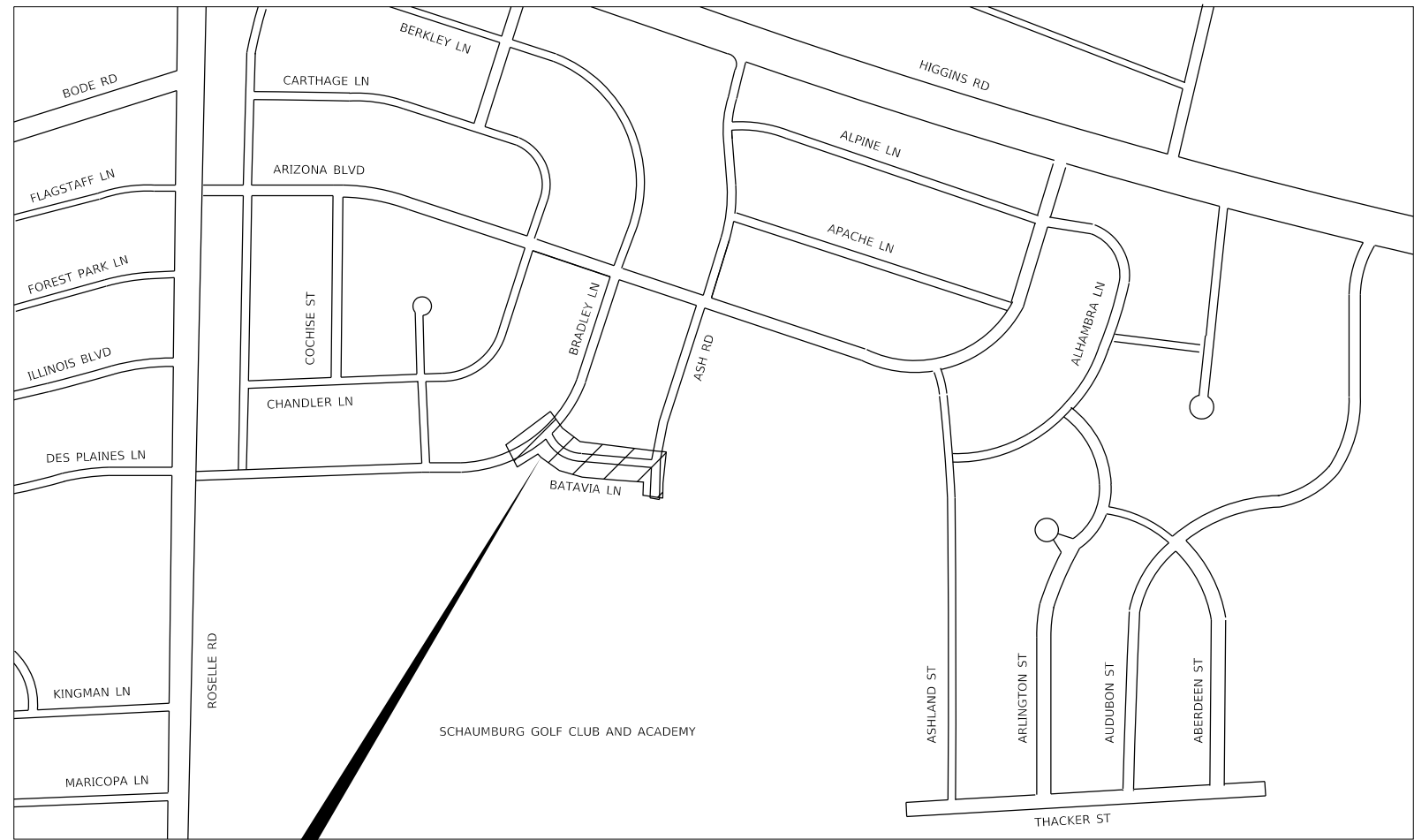


VILLAGE OF HOFFMAN ESTATES

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS

**100% FINAL
SUBMITTAL**



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.

CONTACT INFORMATION	
J.U.L.I.E.	800.892.0123
HOFFMAN ESTATES	
PUBLIC WORKS	847.490.6800
POLICE	847.781.2800
FIRE	847.843.4825
EMERGENCY	911

**BATAVIA LANE
IMPROVEMENTS**

PROJECT LOCATION MAP

INDEX OF SHEETS

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2	GENERAL NOTES
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12	PROPOSED SANITARY SEWER AND WATER MAIN PROFILE
13	EROSION CONTROL AND LANDSCAPING PLAN
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24-25	CROSS SECTIONS

CONTROL POINT TABLE

CP Number	Northing	Easting	Elevation	Description
1847	1957097.858	1054553.115	771.409	MUELLER BOLT
1848	1956919.853	1054258.444	771.947	SQUARE CUT IN CURB
2150	1956757.064	1054832.824	769.285	NAIL IN PP

DATE: 1/23/2024
 SIGNATURE: *[Signature]*
 APPLIES TO THE FOLLOWING DRAWINGS:
 5 - 9
 24 - 25

DATE: 1/23/2024
 SIGNATURE: *[Signature]*
 APPLIES TO THE FOLLOWING DRAWINGS:
 ALL REMAINING SHEETS

8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

**BATAVIA LANE INFRASTRUCTURE
IMPROVEMENTS**

1/23/2024 SHEET 1 OF 25

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 THE PROJECT BEFORE SUBMITTING A PROPOSAL.
5. THE CONTRACTORS 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 STAGING.
11. CONTRACTOR MAY OBTAIN A VILLAGE WATER METER FOR FREE WATER USAGE ON THE JOB. THE WATER METER CAN BE OBTAINED BY VILLAGE PUBLIC WORKS DEPARTMENT FOR A \$775 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 THE EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. FOR UNDERGROUND UTILITY LOCATIONS, CALL 48 HOURS BEFORE DIGGING, (EXCLUDING 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. SUBGRADE SHALL BE PREPARED AS PER ARTICLE 301 OF THE STANDARD SPECIFICATIONS 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 CONTRACTOR'S 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. 'FRESH OIL' SIGNS SHALL BE INSTALLED AT ALL ENTRANCES 16 TO 24 HOURS PRIOR TO THE PLACEMENT OF TACK COAT.

MAINTENANCE OF TRAFFIC

1. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR EMERGENCY ACCESS TO THE ROADS AT ALL TIMES DURING CONSTRUCTION. COST WILL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION ITEMS.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 7 CALENDAR DAYS IN ADVANCE OF MAJOR TRAFFIC CONTROL CHANGES. THE CONTRACTOR SHALL ALSO CONFIRM THE PLANNED CHANGES 24 HOURS IN ADVANCE.
3. THE CONTRACTOR SHALL PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES OUTSIDE OF THE TIME FRAMES NOTED IN THE PROJECT SCHEDULE SPECIAL PROVISION.
4. THE CONTRACTOR SHALL SUBMIT THEIR SEQUENCE OF CONSTRUCTION TO THE ENGINEER FOR REVIEW.
5. DURING UTILITY CONSTRUCTION ONE LANE OF TRAFFIC SHOULD BE MAINTAINED AT ALL TIMES USING STANDARD 701501 DURING WORKING HOURS. AT THE END OF EACH WORKING DAY THE CONTRACTOR SHALL PROVIDE ONE LANE IN EACH DIRECTION WITH AN AGGREGATE ROAD OR STEEL PLATES. OPEN TRENCHES WILL NOT BE ALLOWED AT THE END OF EACH WORKING DAY.

HIGHWAY STANDARDS (INCLUDED FOR REFERENCE ONLY)

280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
602601-06	PRECAST REINFORCED FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
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
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

IDOT 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

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VILLAGE OF HOFFMAN ESTATES

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS GENERAL NOTES

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

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	2
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	

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VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	3
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SP	CODE NO.	ITEM	UNIT	TOTAL
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	20
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	46
	20200100	EARTH EXCAVATION	CU YD	325
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	250
	20800150	TRENCH BACKFILL	CU YD	1,301
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,398
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1,349
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	28
	28000510	INLET FILTERS	EACH	8
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	1,349
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,398
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	23
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	60
	40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	1,131
	42400800	DETECTABLE WARNINGS	SQ FT	42
	44000100	PAVEMENT REMOVAL	SQ YD	1,135
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	536
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	163
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,032
	44000600	SIDEWALK REMOVAL	SQ FT	3,906

SP	CODE NO.	ITEM	UNIT	TOTAL
	550A2410	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 42"	FOOT	28
	55100500	STORM SEWER REMOVAL 12"	FOOT	5
	55101900	STORM SEWER REMOVAL 48"	FOOT	44
*	56100700	WATER MAIN 8"	FOOT	509
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3
	60500040	REMOVING MANHOLES	EACH	3
	60500050	REMOVING CATCH BASINS	EACH	1
*	Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	35
*	Z0056678	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 36"	FOOT	102
*	Z0058000	SANITARY SEWER (SPECIAL)	FOOT	21
*	X0326806	WASHOUT BASIN	L SUM	1
*	X1200246	WATERMAIN CASING PIPE	FOOT	64
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	75
*	X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	2
*	X5620118	WATER SERVICE CONNECTION (LONG)	EACH	5
*	X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	2
*	X6026610	GATE VALVE 8" WITH VAULT, 4' DIAMETER	EACH	2
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	XX003516	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8"	EACH	2
*	XX003517	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 6"	EACH	2

SP	CODE NO.	ITEM	UNIT	TOTAL
*	HE252000	SODDING, SPECIAL	SQ YD	1,349
*	HE351002	AGGREGATE FOR TEMPORARY ACCESS, SPECIAL	EACH	9
*	HE406000	BITUMINOUS MATERIALS - TRACKLESS TACK COAT	POUND	495
*	HE423060	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	163
*	HE424000	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	3,875
*	HE442060	CLASS D PATCH, SPECIAL, 6 INCH	SQ YD	180
*	HE504062	FRAMES AND LIDS, WATER, TYPE 1, CLOSED LID, SPECIAL	EACH	2
*	HE550550	POST CONSTRUCTION TELEVISIONING	FOOT	1,419
*	HE550P36	STORM SEWERS, SOLID PVC PIPE, 36 INCH	FOOT	506
*	HE563004	SANITARY SEWER, PVC SDR 26, 4", SPECIAL	FOOT	429
*	HE563015	SANITARY SEWER, PVC, SDR 26, 15", SPECIAL	FOOT	296
*	HE563104	SANITARY SEWER REMOVAL, 4", SPECIAL	FOOT	429
*	HE563115	SANITARY SEWER REMOVAL, 15", SPECIAL	FOOT	317
*	HE563206	SANITARY SEWER SERVICE CONNECTION, 6", SPECIAL	EACH	13
*	HE564400	SANITARY MANHOLES, 4 FOOT DIAMETER, SPECIAL	EACH	2
*	HE601004	PIPE UNDERDRAINS, FABRIC LINED TRENCH, 4", SPL	FOOT	36
*	HE602104	CATCH BASINS, 4 FOOT DIAMETER	EACH	1
*	HE602500	MANHOLES, 5 FOOT DIAMETER	EACH	2
*	HE602600	MANHOLES, 6 FOOT DIAMETER	EACH	1
*	HE602700	MANHOLES, 7 FOOT DIAMETER	EACH	3
*	HE604060	FRAMES AND LIDS, STORM, TYPE 1, CLOSED LID, SPECIAL	EACH	4

SP	CODE NO.	ITEM	UNIT	TOTAL
*	HE604061	FRAMES AND LIDS, SANITARY, TYPE 1, CLOSED LID, SPECIAL	EACH	2
*	HE606100	COMBINATION CONCRETE CURB AND GUTTER, M3.12, SPECIAL	FOOT	1,032
*	HE720010	REMOVE AND RESET SIGN	EACH	3
*	HEXXXXXX	DISCONNECT EXISTING WATER MAIN	EACH	1

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VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	4
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	

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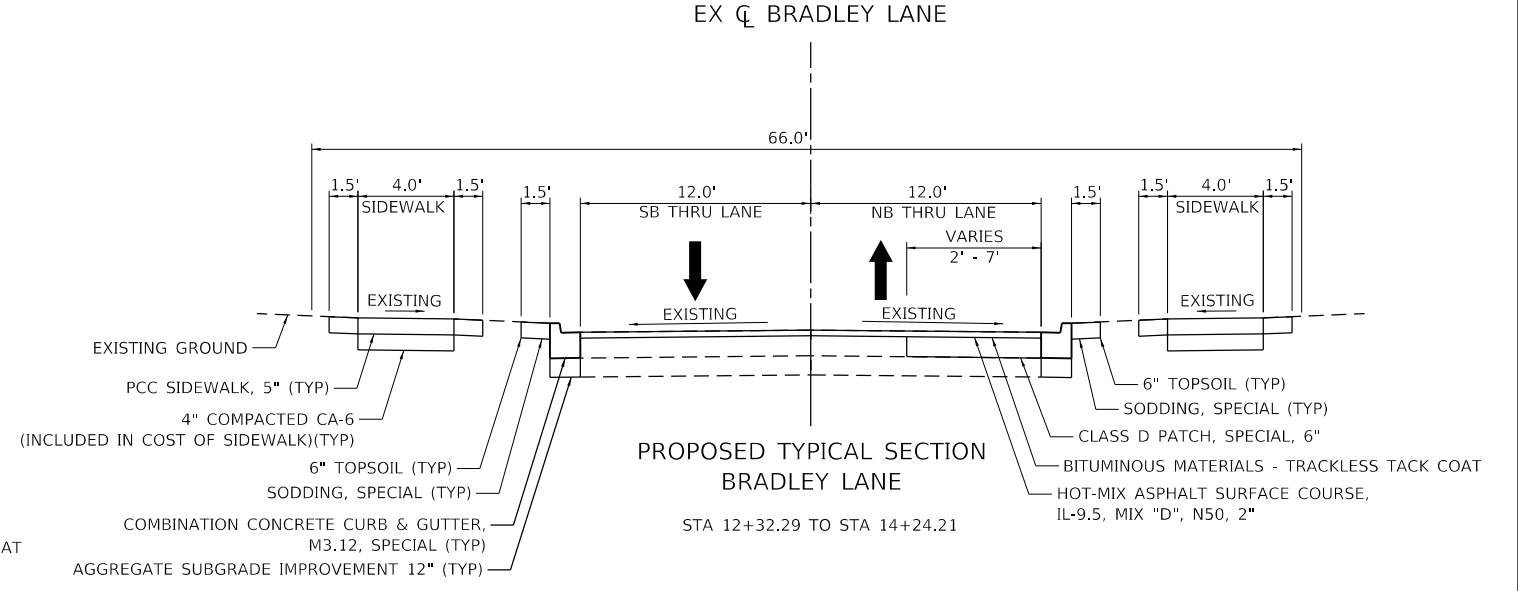
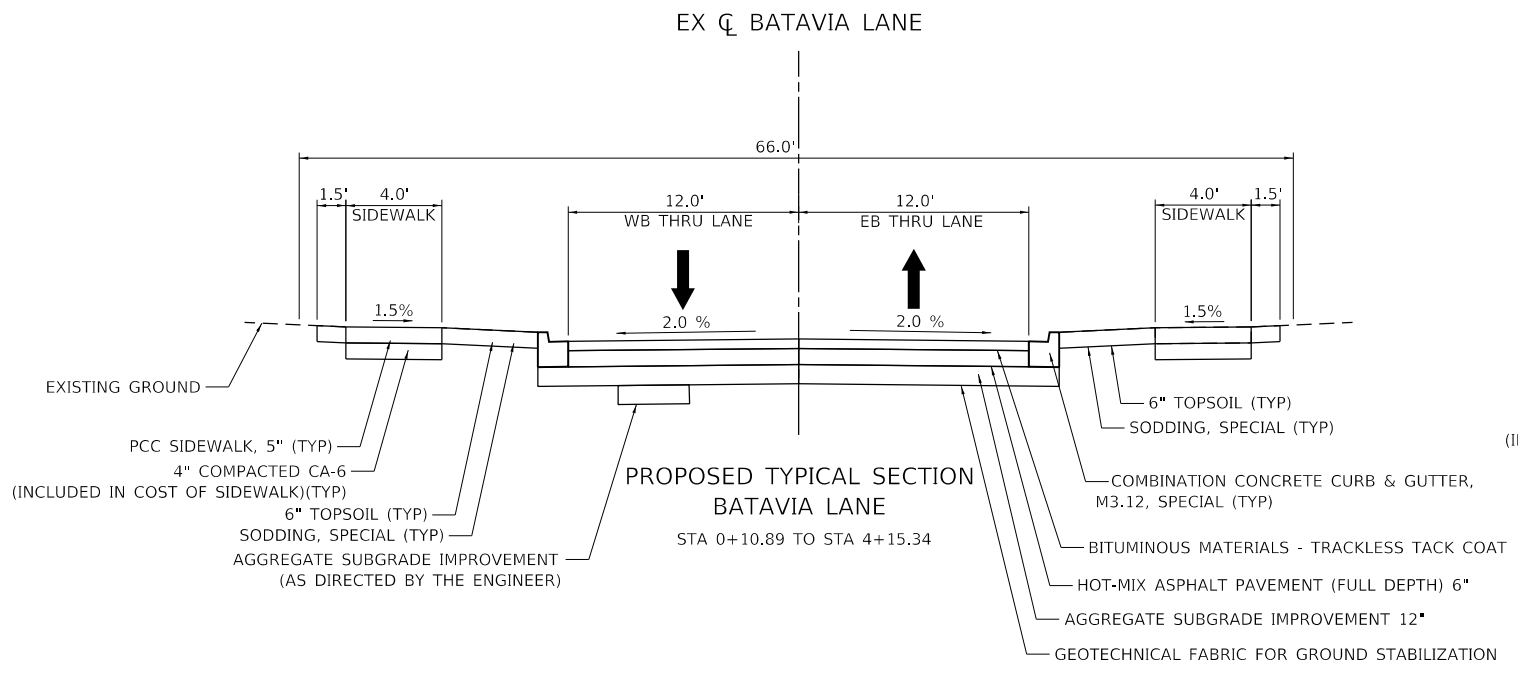
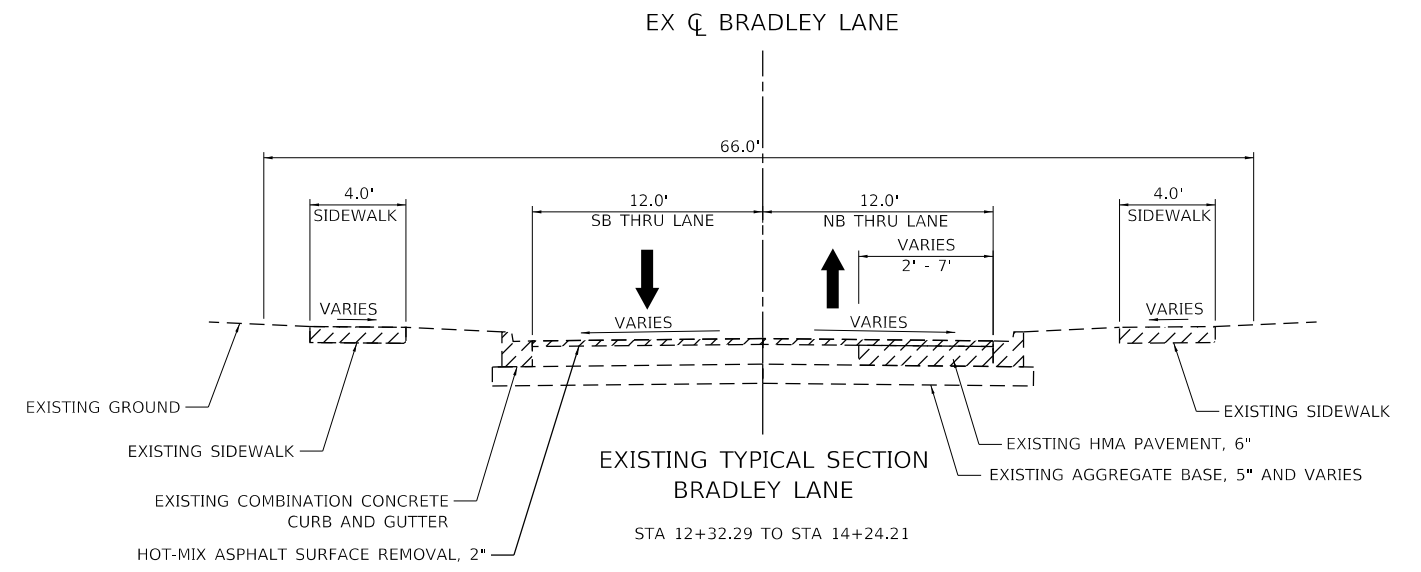
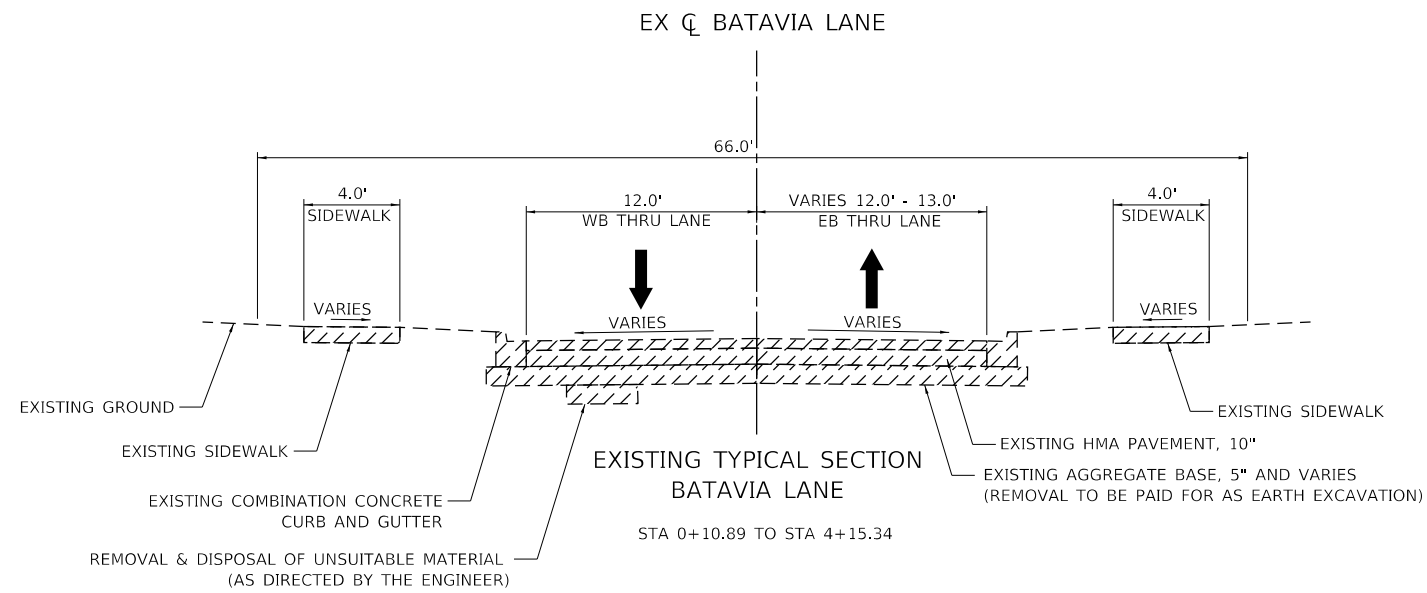
VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
 EARTHWORK SCHEDULE**

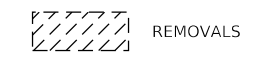
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	5
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	

EARTHWORK SUMMARY							
			EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE
STA	TO	STA	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
BATAVIA LANE							
0+10.89	TO	0+50.00	39.4	33.5	1.2	32.3	8.8
0+50.00	TO	0+64.00	11.5	9.7	0.9	8.9	4.9
0+64.00	TO	0+77.00	11.0	9.4	0.9	8.5	3.3
0+77.00	TO	1+00.00	17.9	15.2	2.1	13.2	8.2
1+00.00	TO	1+20.00	15.1	12.8	1.3	11.5	7.0
1+20.00	TO	1+50.00	22.7	19.3	1.6	17.7	10.4
1+50.00	TO	1+70.00	15.9	13.5	1.0	12.5	6.9
1+70.00	TO	2+00.00	25.2	21.4	1.8	19.7	10.6
2+00.00	TO	2+43.00	36.9	31.4	3.7	27.7	16.0
2+43.00	TO	2+50.00	6.2	5.2	0.6	4.6	2.2
2+50.00	TO	2+57.00	6.2	5.3	0.5	4.8	2.1
2+57.00	TO	3+00.00	37.0	31.5	2.2	29.2	15.6
3+00.00	TO	3+50.00	37.3	31.7	3.6	28.1	23.8
3+50.00	TO	4+00.00	33.5	28.5	4.7	23.8	22.0
4+00.00	TO	4+15.34	9.1	7.7	1.3	6.4	3.6
NOMINAL QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER FOR PAVEMENT UNDERCUT							100.0
TOTALS			325.1	276.3	27.6	248.7	245.4



HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
PAVEMENT RECONSTRUCTION (FULL DEPTH 6")	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 4.5"	4% @ 50 GYR
CLASS D PATCH, SPECIAL, 6"	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 4"	4% @ 50 GYR
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR



PAVEMENT DESIGN			
ADT	1,000	DESIGN PG BINDER	PG 64-22
PV	930	DESIGN PAVEMENT HMA TEMPERATURE	74°F
SU	50	DESIGN HMA MODULUS	720 KSI
MU	20	DESIGN HMA MICROSTRAIN	147
SUBGRADE SUPPORT RATING	POOR	DESIGN PAVEMENT THICKNESS	6"
FLEXIBLE TRAFFIC FACTOR	0.13	SUBGRADE	12"

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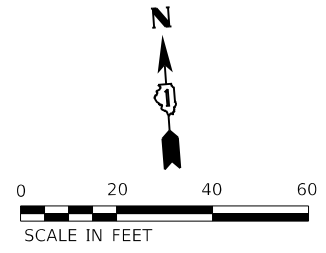
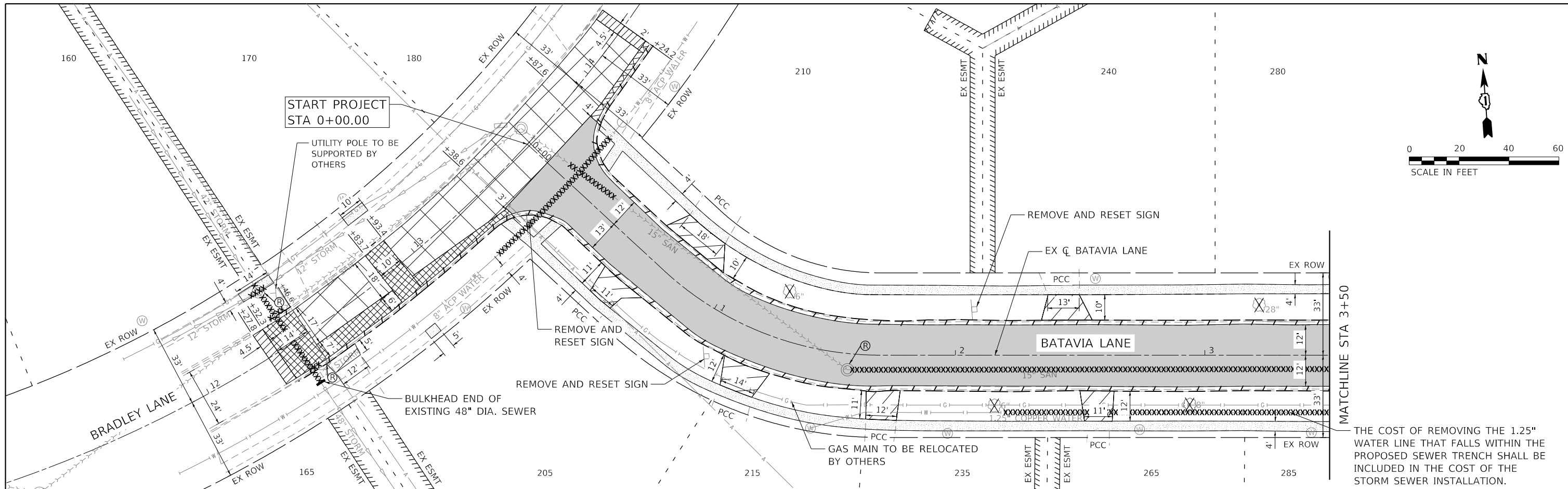
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VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
TYPICAL SECTIONS**

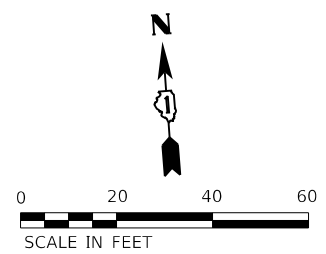
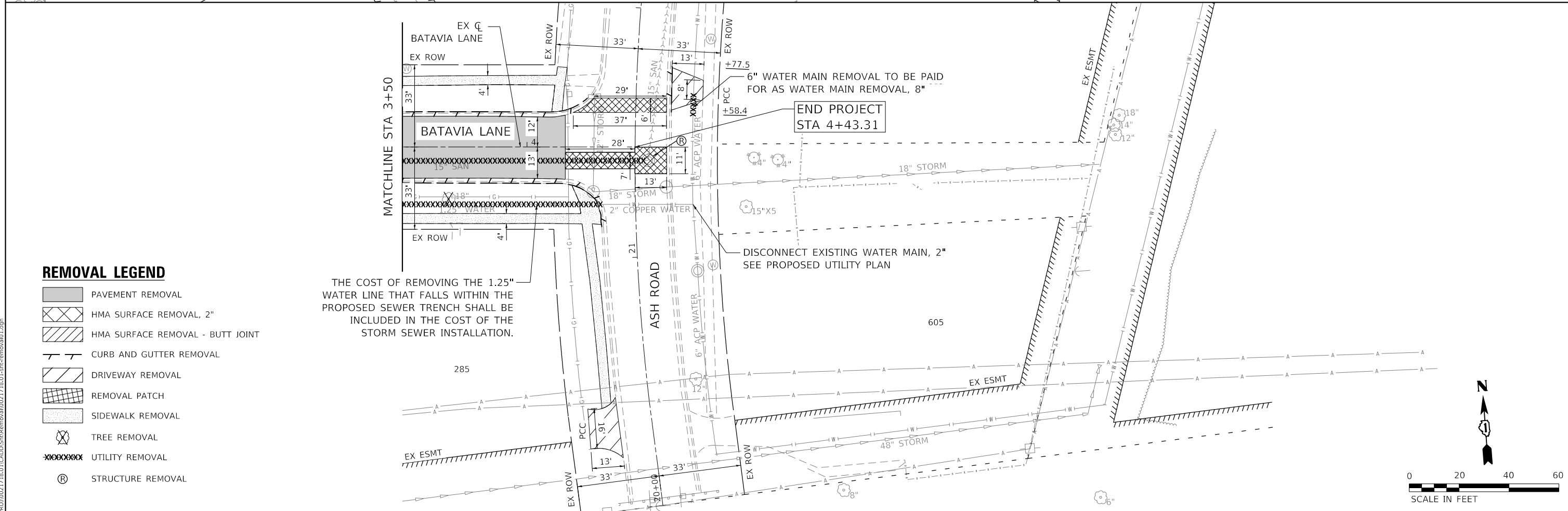
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	6
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 5' SHEET 1 OF 1 SHEETS STA. TO STA.



MATCHLINE STA 3+50

THE COST OF REMOVING THE 1.25" WATER LINE THAT FALLS WITHIN THE PROPOSED SEWER TRENCH SHALL BE INCLUDED IN THE COST OF THE STORM SEWER INSTALLATION.



- REMOVAL LEGEND**
- PAVEMENT REMOVAL
 - HMA SURFACE REMOVAL, 2"
 - HMA SURFACE REMOVAL - BUTT JOINT
 - CURB AND GUTTER REMOVAL
 - DRIVEWAY REMOVAL
 - REMOVAL PATCH
 - SIDEWALK REMOVAL
 - TREE REMOVAL
 - UTILITY REMOVAL
 - STRUCTURE REMOVAL

THE COST OF REMOVING THE 1.25" WATER LINE THAT FALLS WITHIN THE PROPOSED SEWER TRENCH SHALL BE INCLUDED IN THE COST OF THE STORM SEWER INSTALLATION.

VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
REMOVAL PLAN**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 4+43.31

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	7
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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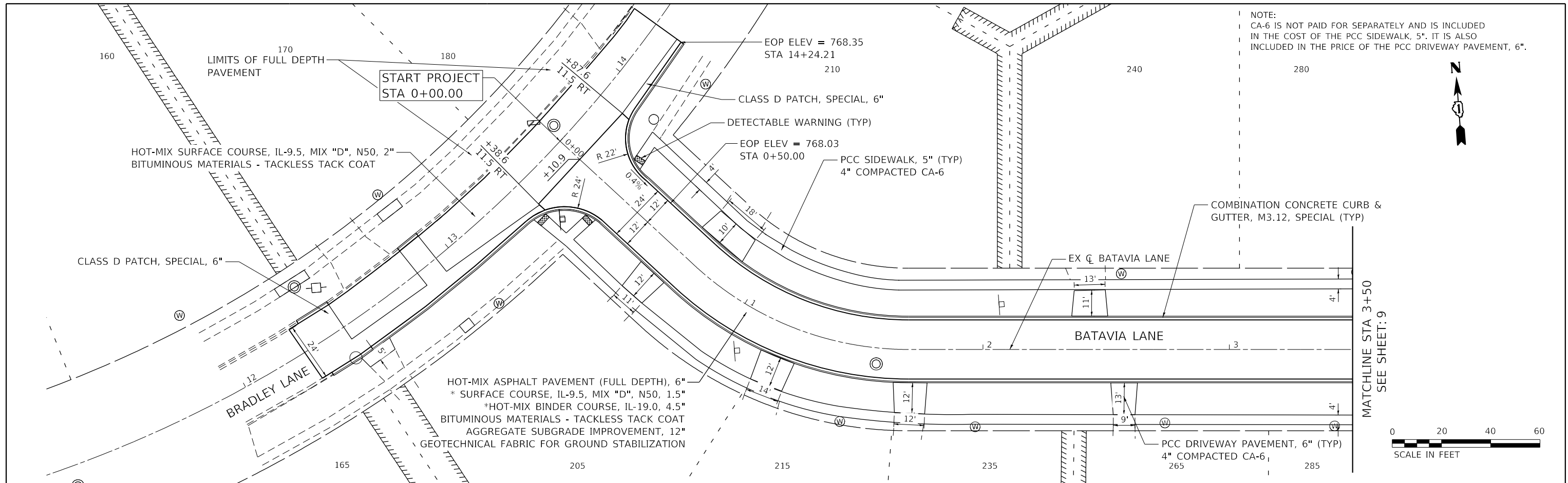


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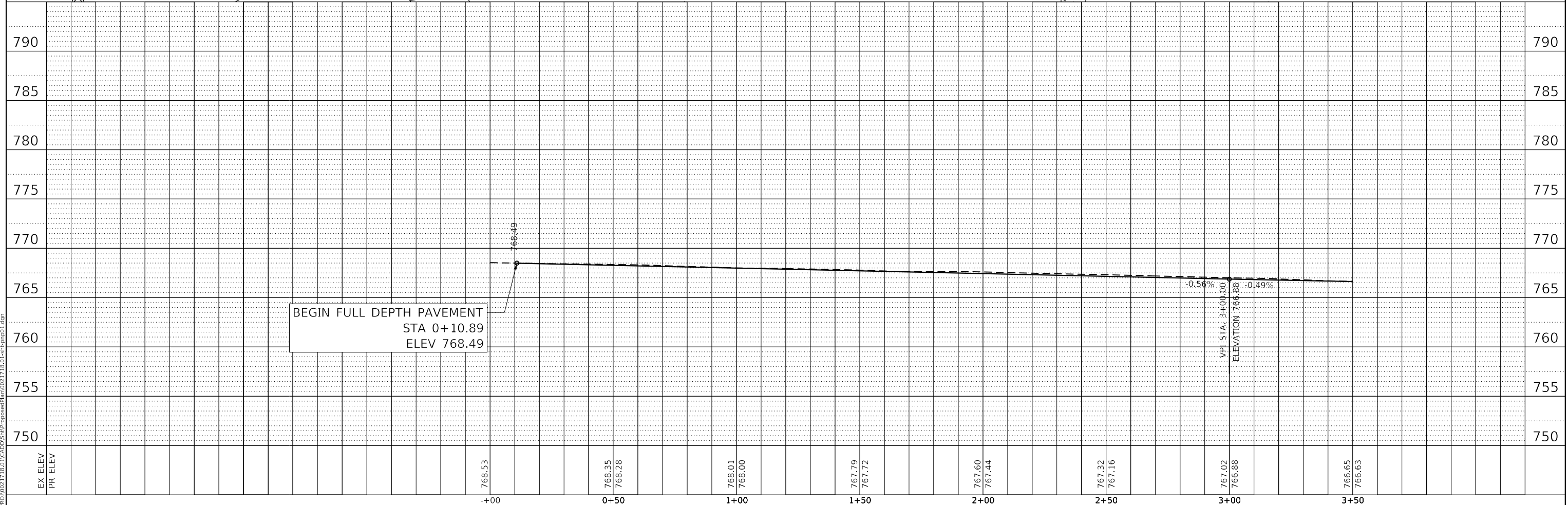
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BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
RT. OF WAY CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
CADD FILE NAME	

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

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NOTE:
 CA-6 IS NOT PAID FOR SEPARATELY AND IS INCLUDED
 IN THE COST OF THE PCC SIDEWALK, 5". IT IS ALSO
 INCLUDED IN THE PRICE OF THE PCC DRIVEWAY PAVEMENT, 6".



 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = Roadway PLOT SCALE = 40,000' / in. PLOT DATE = 1/23/2024	DESIGNED - VZ DRAWN - JPM CHECKED - EPS DATE - 1/23/2024	REVISED - REVISED - REVISED - REVISED -	VILLAGE OF HOFFMAN ESTATES				BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS PROPOSED PLAN AND PROFILE				RTE. _____ SECTION _____ COUNTY COOK TOTAL SHEETS 25 SHEET NO. 8
					SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 0+00.00 TO STA. 3+50.00				ILLINOIS FED. AID PROJECT CONTRACT NO. _____			

PLAN	SURVISED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	CAD FILE NAME	

PROFILE	SURVISED	DATE
	PLOTTED	
	GRADES CHECKED	
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NOTE BOOK NO.	CAD FILE NAME	

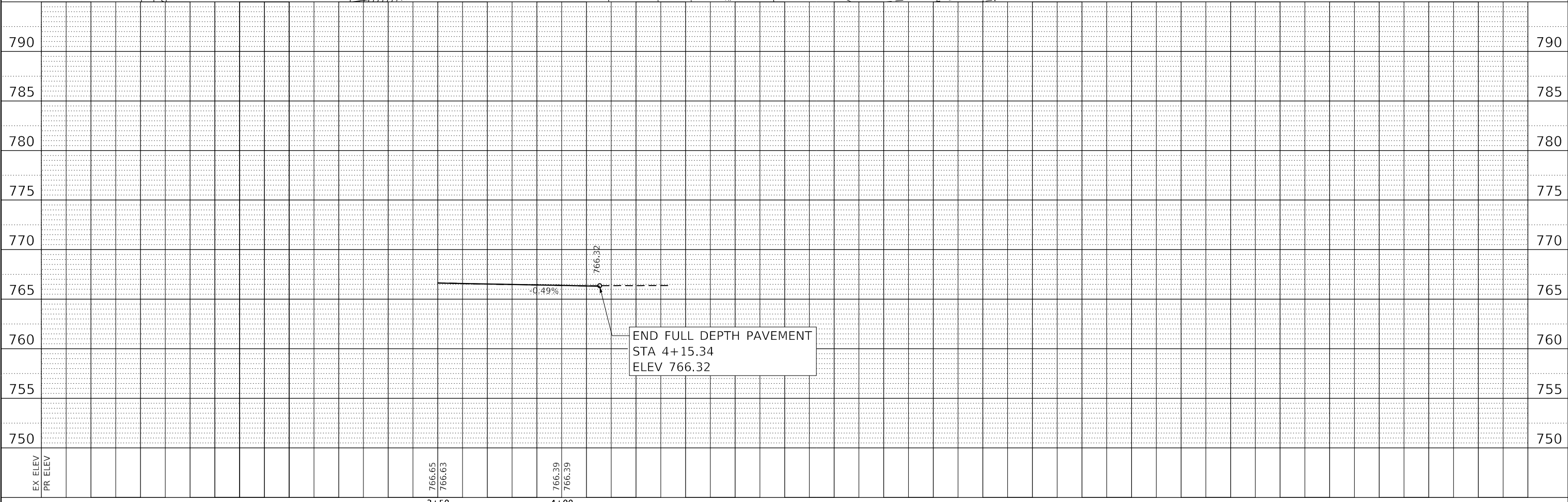
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HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"
 * SURFACE COURSE, IL-9.5, MIX "D", N50, 1.5"
 * HOT-MIX BINDER COURSE, IL-19.0, 4.5"
 BITUMINOUS MATERIALS - TACKLESS TACK COAT
 AGGREGATE SUBGRADE IMPROVEMENT, 12"
 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

COMBINATION CONCRETE CURB & GUTTER, M3.12, SPECIAL (TYP)
 285
 PCC DRIVEWAY PAVEMENT, 6" (TYP)
 4" COMPACTED CA-6

END FULL DEPTH PAVEMENT
 STA. 4+15.34
 MATCHLINE STA 3+50
 PCC SIDEWALK, 5" (TYP)
 4" COMPACTED CA-6
 CLASS D PATCH, SPECIAL, 6"
 END PROJECT
 STA 4+43.31
 CLASS D PATCH, SPECIAL, 6"

DETECTABLE WARNING (TYP)
 R 107'
 R 103'
 R 88'
 R 84'



 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = Roadway	DESIGNED - VZ	REVISED -	BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS PROPOSED PLAN AND PROFILE	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN - JPM	REVISED -		COOK	25	9		
	PLOT DATE = 1/23/2024	CHECKED - EPS	REVISED -		CONTRACT NO.				
	DATE - 1/23/2024	REVISIONS	REVISED -		ILLINOIS FED. AID PROJECT				

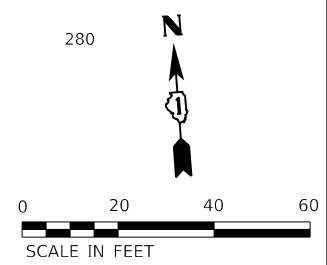
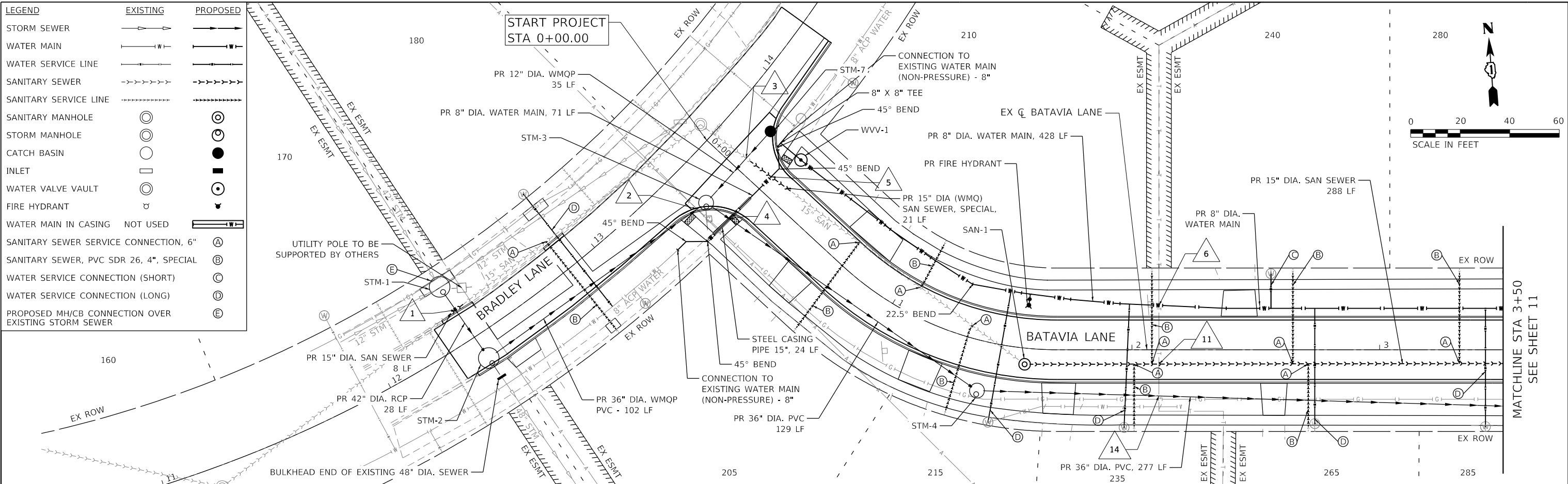
VILLAGE OF HOFFMAN ESTATES

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 3+50.00 TO STA. 4+43.31

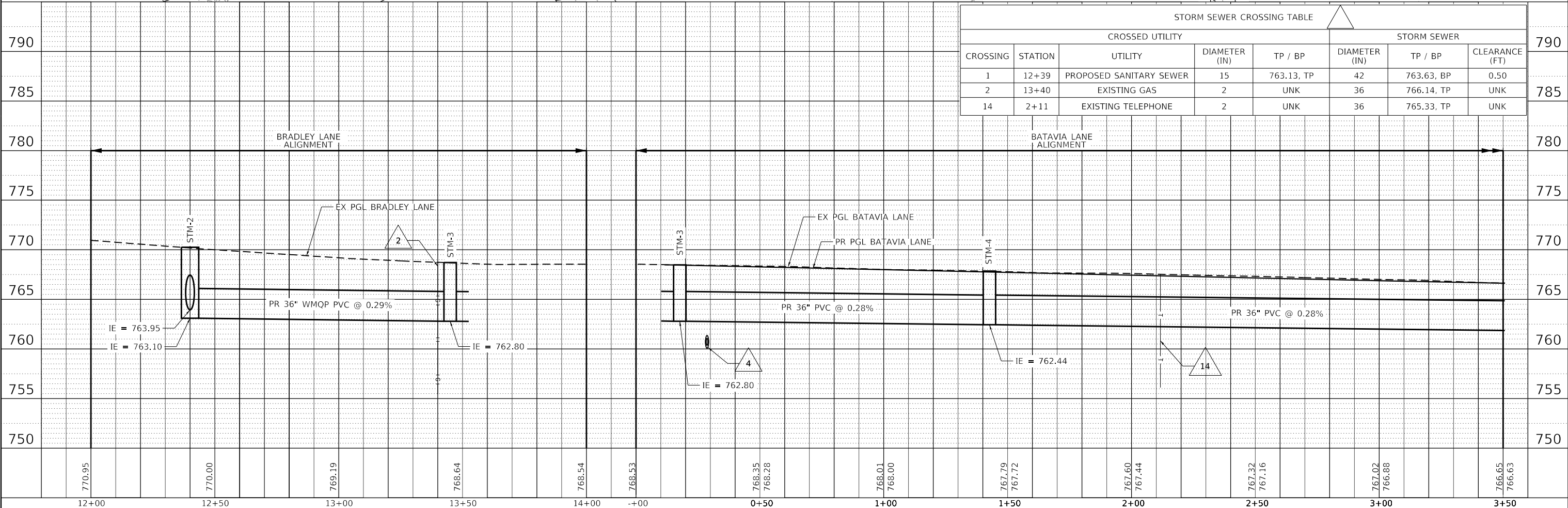
LEGEND	EXISTING	PROPOSED
STORM SEWER		
WATER MAIN		
WATER SERVICE LINE		
SANITARY SEWER		
SANITARY SERVICE LINE		
SANITARY MANHOLE		
STORM MANHOLE		
CATCH BASIN		
INLET		
WATER VALVE VAULT		
FIRE HYDRANT		
WATER MAIN IN CASING	NOT USED	
SANITARY SEWER SERVICE CONNECTION, 6"		(A)
SANITARY SEWER, PVC SDR 26, 4", SPECIAL		(B)
WATER SERVICE CONNECTION (SHORT)		(C)
WATER SERVICE CONNECTION (LONG)		(D)
PROPOSED MH/CB CONNECTION OVER EXISTING STORM SEWER		(E)

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



STORM SEWER CROSSING TABLE							
CROSSING	STATION	CROSSED UTILITY		STORM SEWER			CLEARANCE (FT)
		UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	
1	12+39	PROPOSED SANITARY SEWER	15	763.13, TP	42	763.63, BP	0.50
2	13+40	EXISTING GAS	2	UNK	36	766.14, TP	UNK
14	2+11	EXISTING TELEPHONE	2	UNK	36	765.33, TP	UNK



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	DRAWN - DDG	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 1/23/2024	DATE - 1/23/2024	REVISED -

VILLAGE OF HOFFMAN ESTATES

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
 PROPOSED DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 0+00.00 TO STA. 3+50.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

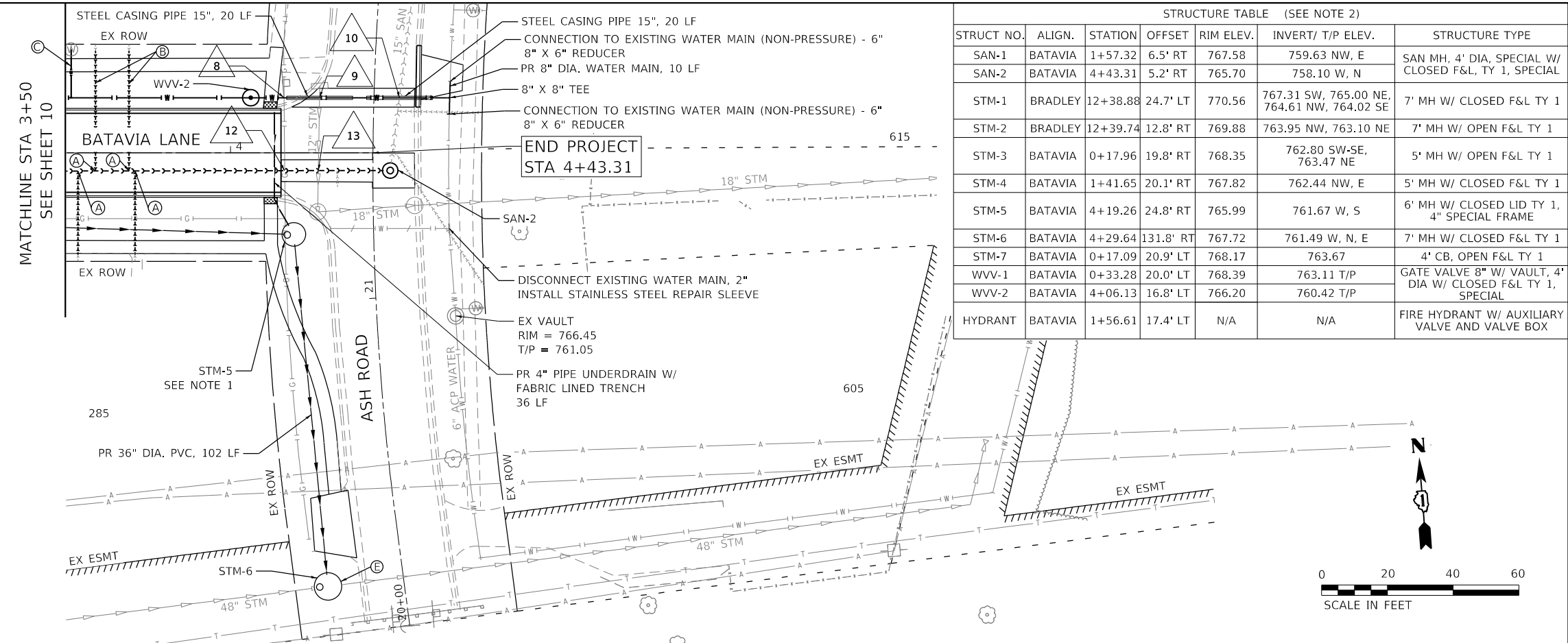
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	PLOTTED	
NOTE BOOK NO.	ALIGNED	
	CHECKED	
FILE NAME	NOTARIS	
	FILE	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	GRADES	
	CHECKED	
FILE NAME	STRUCTURE	
	NOTARIS	

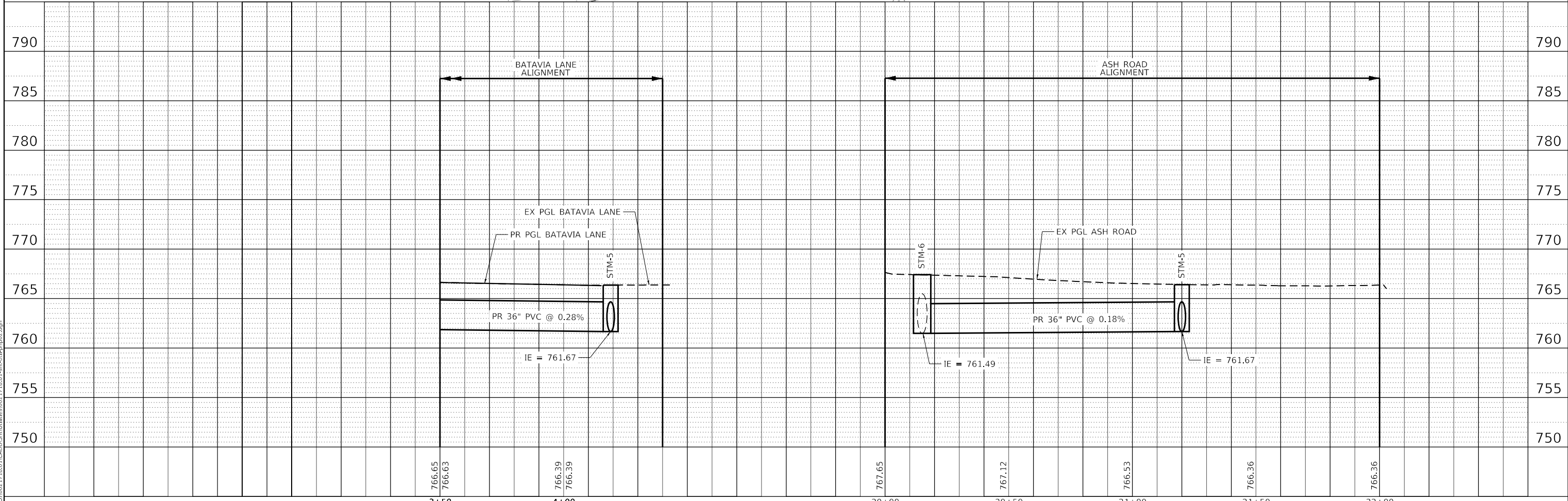
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LEGEND	EXISTING	PROPOSED
STORM SEWER		
WATER MAIN		
WATER SERVICE LINE		
SANITARY SEWER		
SANITARY SERVICE LINE		
SANITARY MANHOLE		
STORM MANHOLE		
CATCH BASIN		
INLET		
WATER VALVE VAULT		
FIRE HYDRANT		
WATER MAIN IN CASING	NOT USED	
SANITARY SEWER SERVICE CONNECTION, 6"		(A)
SANITARY SEWER, PVC SDR 26, 4", SPECIAL		(B)
WATER SERVICE CONNECTION (SHORT)		(C)
WATER SERVICE CONNECTION (LONG)		(D)
PROPOSED MH/CB CONNECTION OVER EXISTING STORM SEWER		(E)

- NOTES:
- MANHOLE TO BE CONSTRUCTED WITH 4" SPECIAL FRAME, AND A 6" MAXIMUM FLAT SLAB TOP THICKNESS.
 - STATION, OFFSET, AND RIM ELEVATION ARE REFERENCED TO EDGE OF PAVEMENT FOR OPEN LID STRUCTURES AND TO CENTER OF MANHOLE FOR CLOSED LID STRUCTURES.



STRUCT. NO.	ALIGN.	STATION	OFFSET	RIM ELEV.	INVERT/ T/P ELEV.	STRUCTURE TYPE
SAN-1	BATAVIA	1+57.32	6.5' RT	767.58	759.63 NW, E	SAN MH, 4' DIA, SPECIAL W/ CLOSED F&L, TY 1, SPECIAL
SAN-2	BATAVIA	4+43.31	5.2' RT	765.70	758.10 W, N	
STM-1	BRADLEY	12+38.88	24.7' LT	770.56	767.31 SW, 765.00 NE, 764.61 NW, 764.02 SE	7' MH W/ CLOSED F&L TY 1
STM-2	BRADLEY	12+39.74	12.8' RT	769.88	763.95 NW, 763.10 NE	7' MH W/ OPEN F&L TY 1
STM-3	BATAVIA	0+17.96	19.8' RT	768.35	762.80 SW-SE, 763.47 NE	5' MH W/ OPEN F&L TY 1
STM-4	BATAVIA	1+41.65	20.1' RT	767.82	762.44 NW, E	5' MH W/ CLOSED F&L TY 1
STM-5	BATAVIA	4+19.26	24.8' RT	765.99	761.67 W, S	6' MH W/ CLOSED LID TY 1, 4" SPECIAL FRAME
STM-6	BATAVIA	4+29.64	131.8' RT	767.72	761.49 W, N, E	7' MH W/ CLOSED F&L TY 1
STM-7	BATAVIA	0+17.09	20.9' LT	768.17	763.67	4' CB, OPEN F&L TY 1
WVV-1	BATAVIA	0+33.28	20.0' LT	768.39	763.11 T/P	GATE VALVE 8" W/ VAULT, 4' DIA W/ CLOSED F&L TY 1, SPECIAL
WVV-2	BATAVIA	4+06.13	16.8' LT	766.20	760.42 T/P	
HYDRANT	BATAVIA	1+56.61	17.4' LT	N/A	N/A	FIRE HYDRANT W/ AUXILIARY VALVE AND VALVE BOX

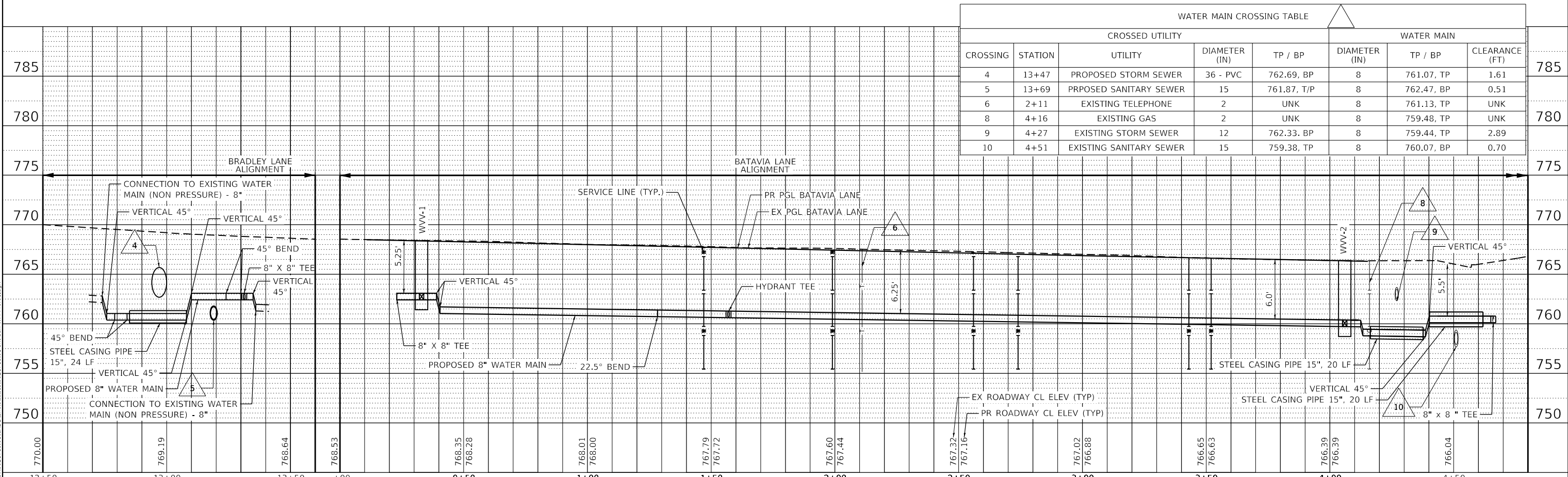
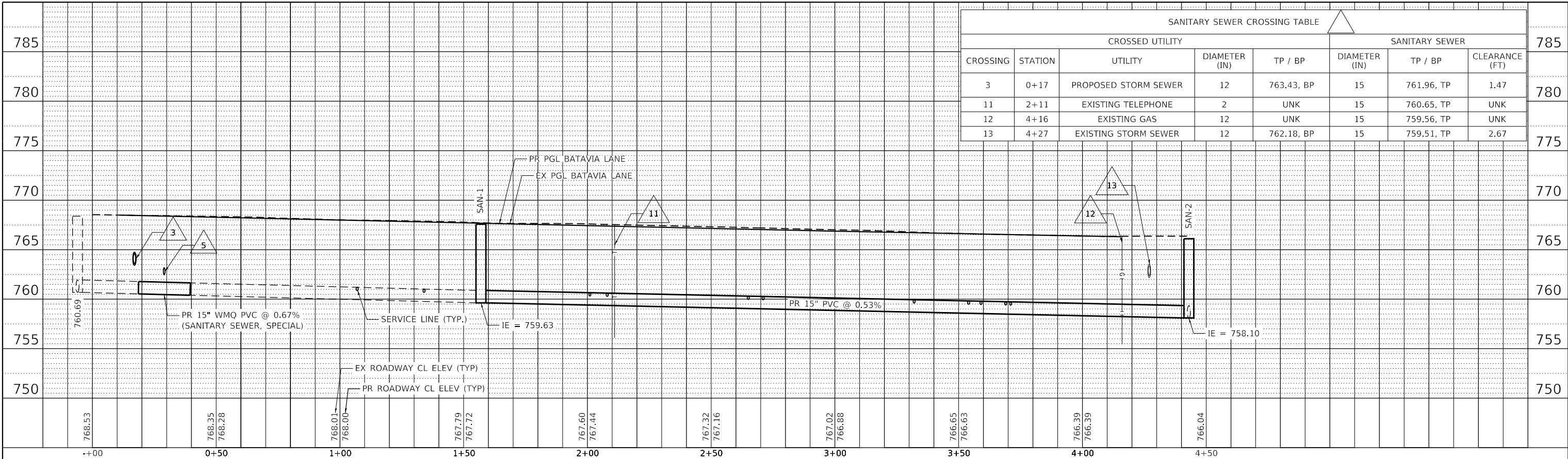


 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = Roadway	DESIGNED - ARH	REVISED -	VILLAGE OF HOFFMAN ESTATES BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS PROPOSED DRAINAGE AND UTILITY PLAN AND PROFILE	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN - DDG	REVISED -		SCALE: 1" = 20'		COOK	25	11
PLOT DATE = 1/23/2024	CHECKED - TW	REVISED -	DATE - 1/23/2024	SCALE: 1" = 20' SHEET 2 OF 3 SHEETS	CONTRACT NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NO. _____	
	FILE NAME	

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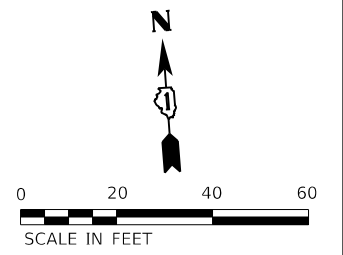
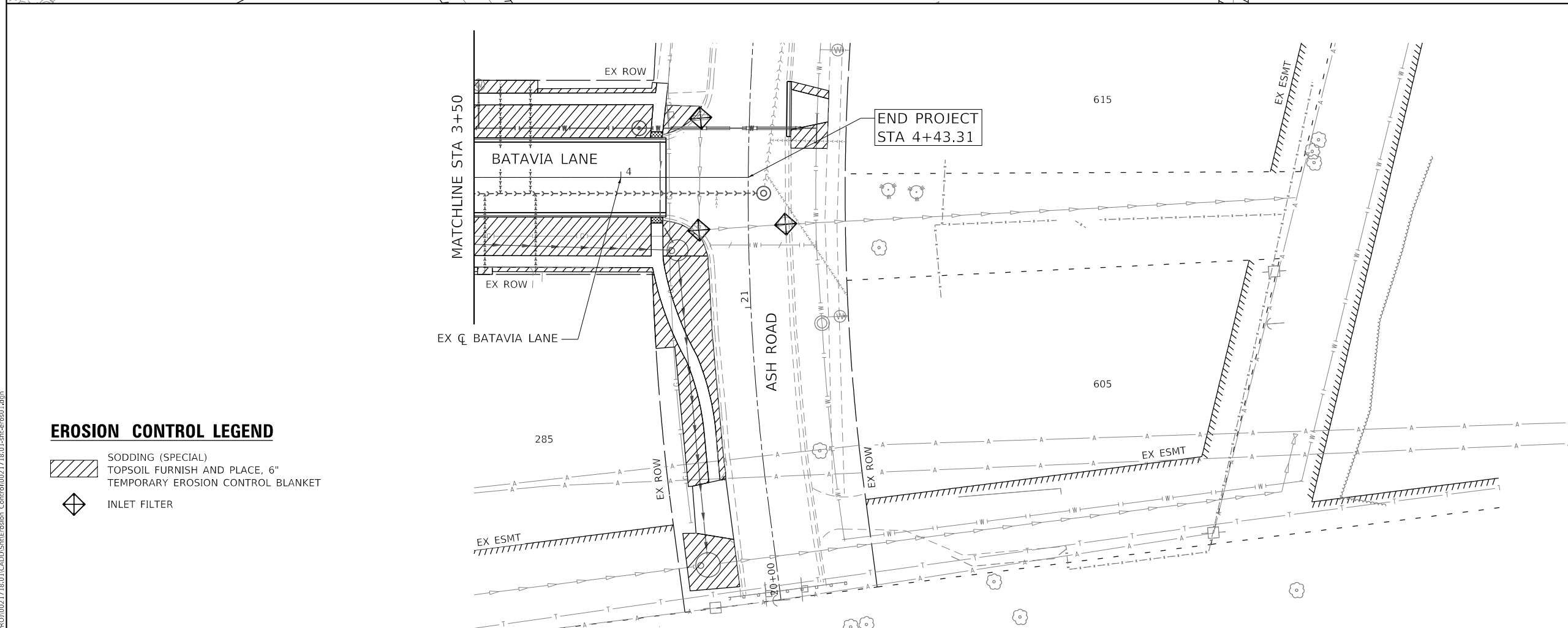
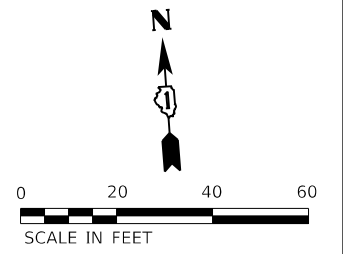
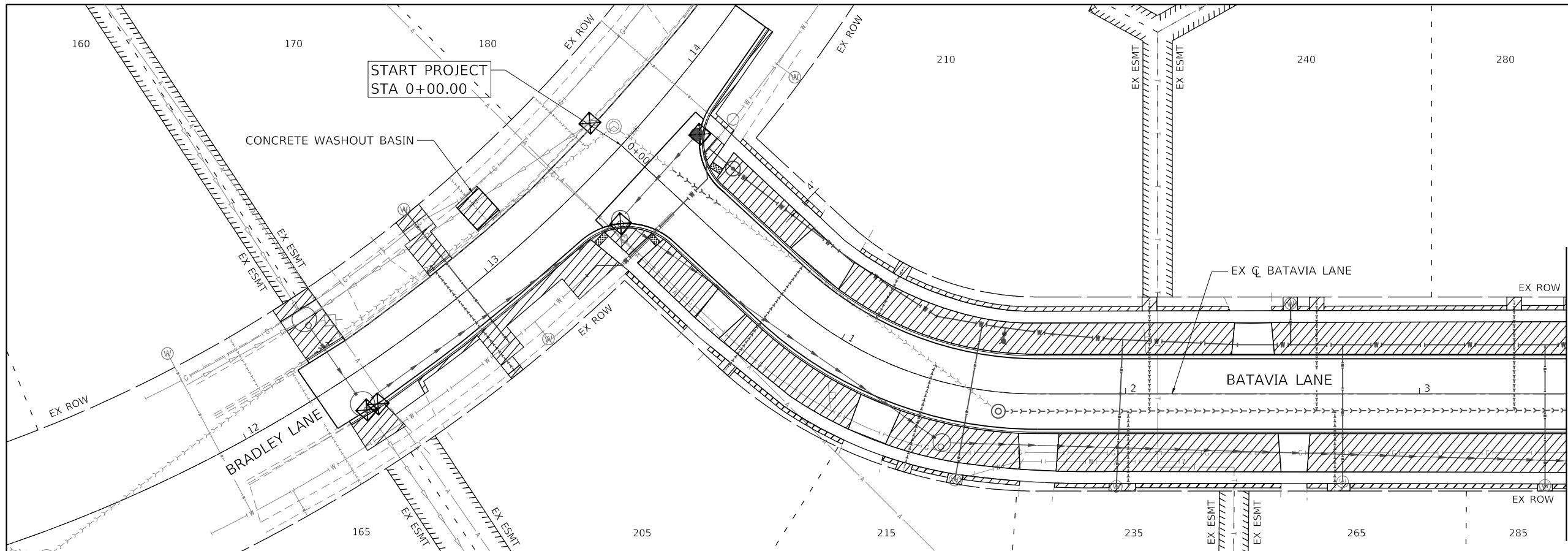
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
 PROPOSED SANITARY SEWER AND WATER MAIN PROFILE

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	12
CONTRACT NO.				

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 3+50.00 TO STA. 4+43.31

ILLINOIS FED. AID PROJECT



- EROSION CONTROL LEGEND**
- SODDING (SPECIAL)
 - TOPSOIL FURNISH AND PLACE, 6"
 - TEMPORARY EROSION CONTROL BLANKET
 - INLET FILTER

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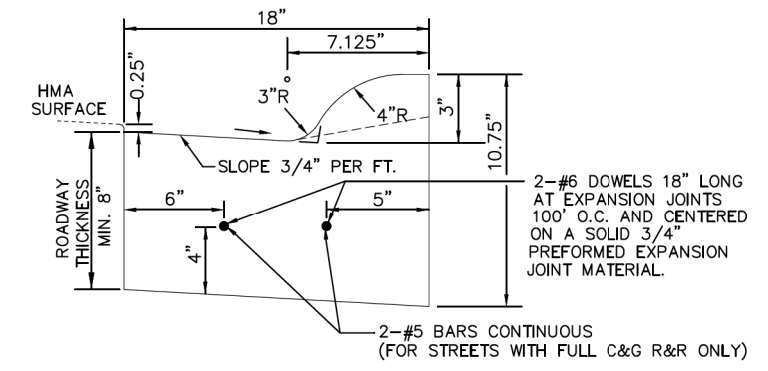
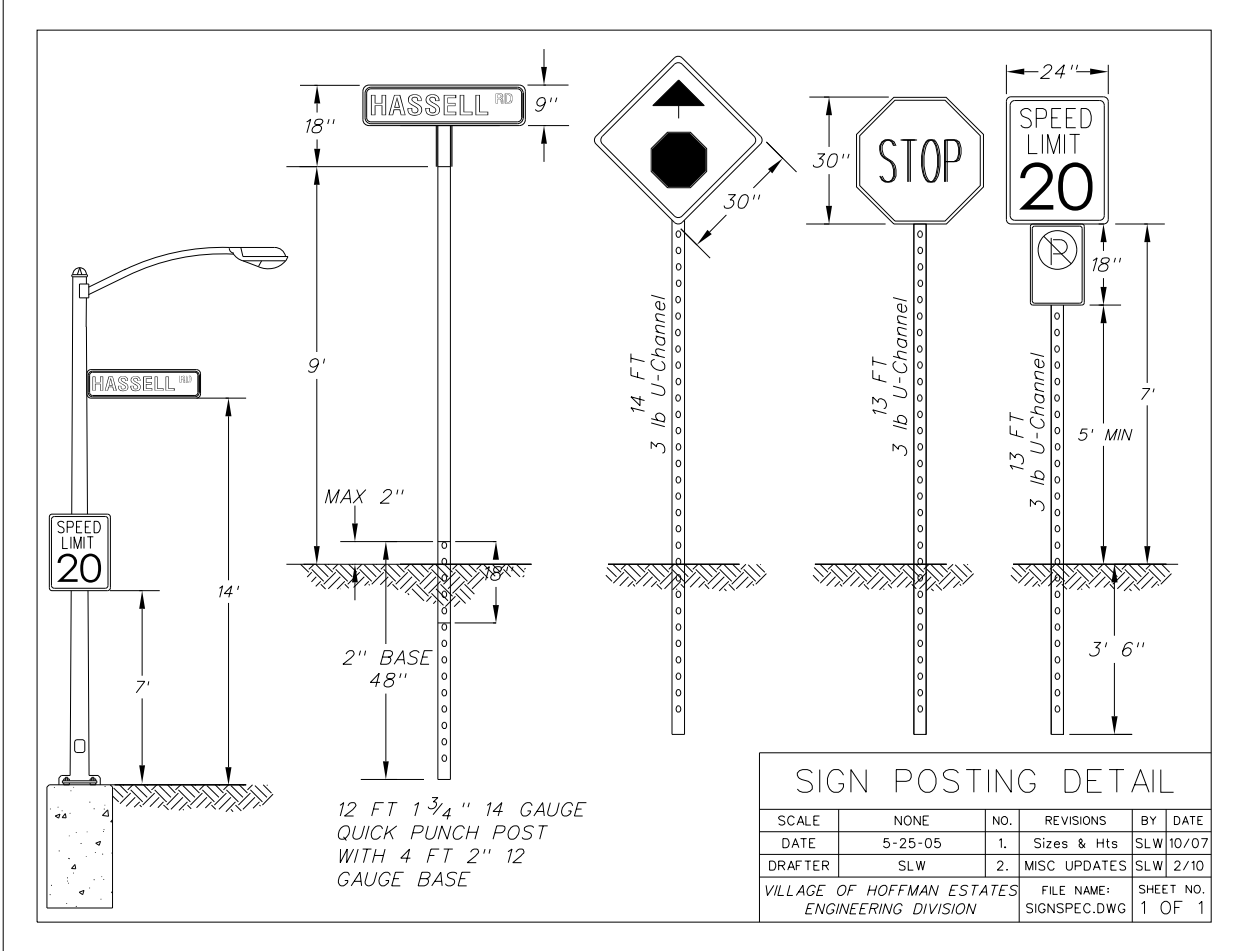
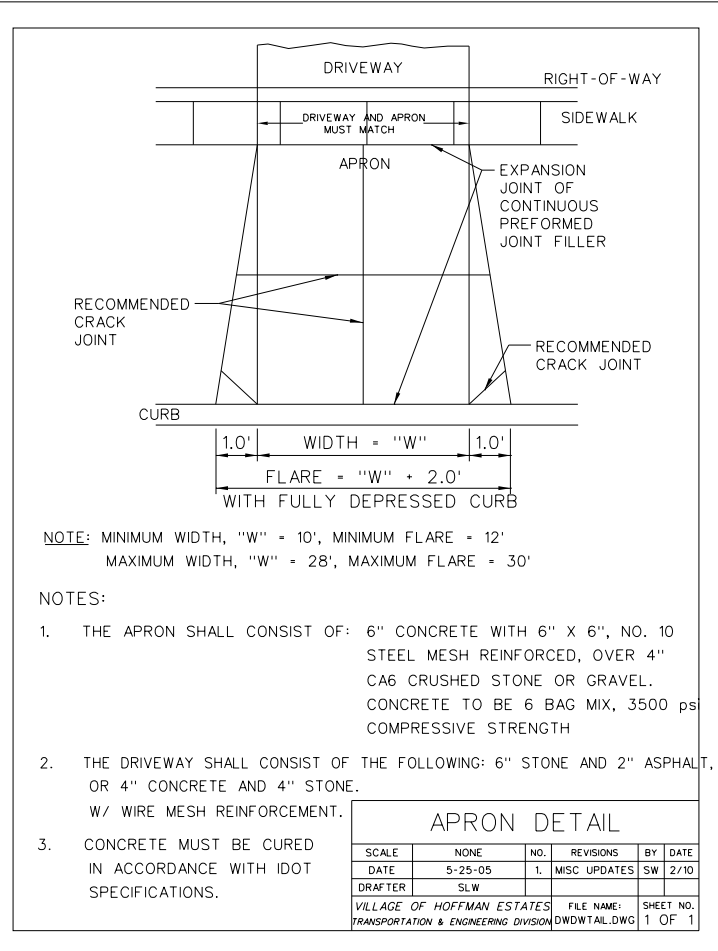
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	DRAWN - DDG	REVISED -
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PLOT DATE = 1/23/2024	DATE - 1/23/2024	REVISED -

VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
EROSION CONTROL AND LANDSCAPING PLAN**

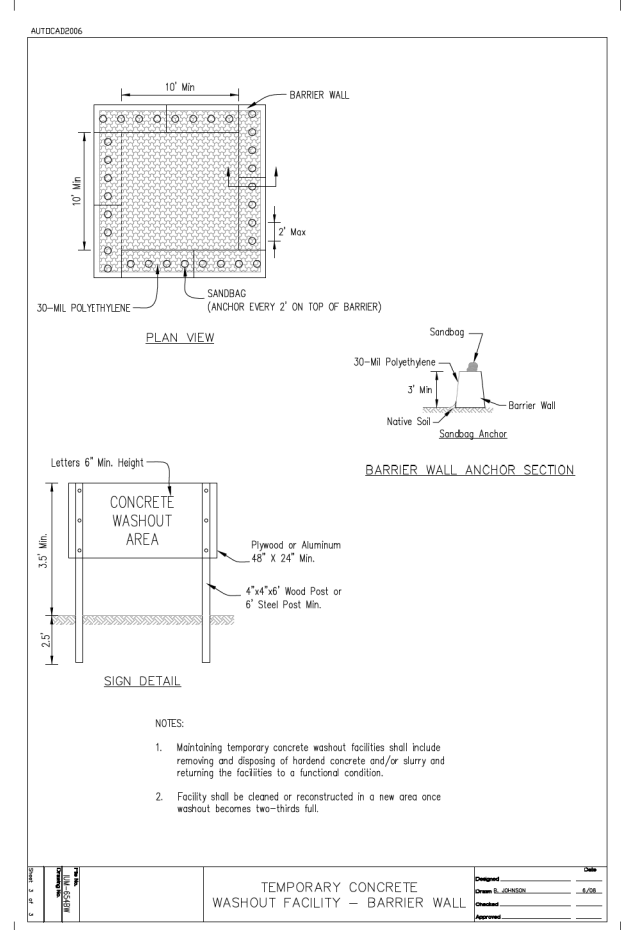
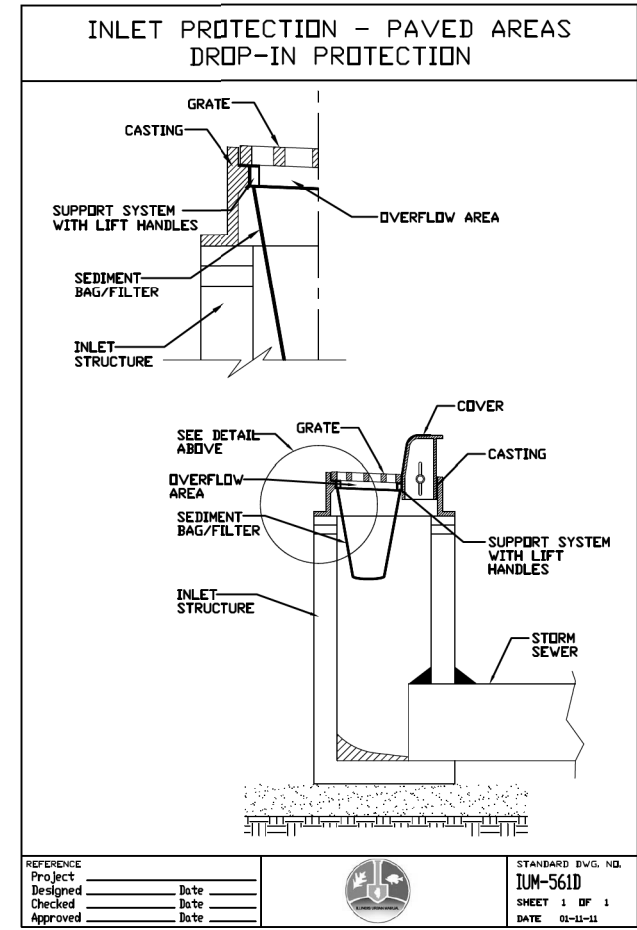
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	13
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



- COMBINATION CONCRETE CURB AND GUTTER, M3.12, SPECIAL
- NOTES:
- THE CURB SHALL BE DEPRESSED AT ALL APRONS AND ACROSS ALL SIDEWALK RAMPING IN ACCORDANCE WITH PROJECT DETAILS AND ADA GUIDELINES.
 - CONTRACTION JOINTS TO BE TOOLED OR SAWCUT EVERY 15' TO A DEPTH OF 1.5".
 - EXPANSION JOINTS SHALL BE PROVIDED AT THE BEGINNING AND END OF ALL RETURN RADII, 5 FEET EITHER SIDE OF A DRAINAGE STRUCTURE, AT THE END OF A DAY'S POUR, AND/OR AT SPACING NOT TO EXCEED 100 FEET.

CURB AND GUTTER DETAIL



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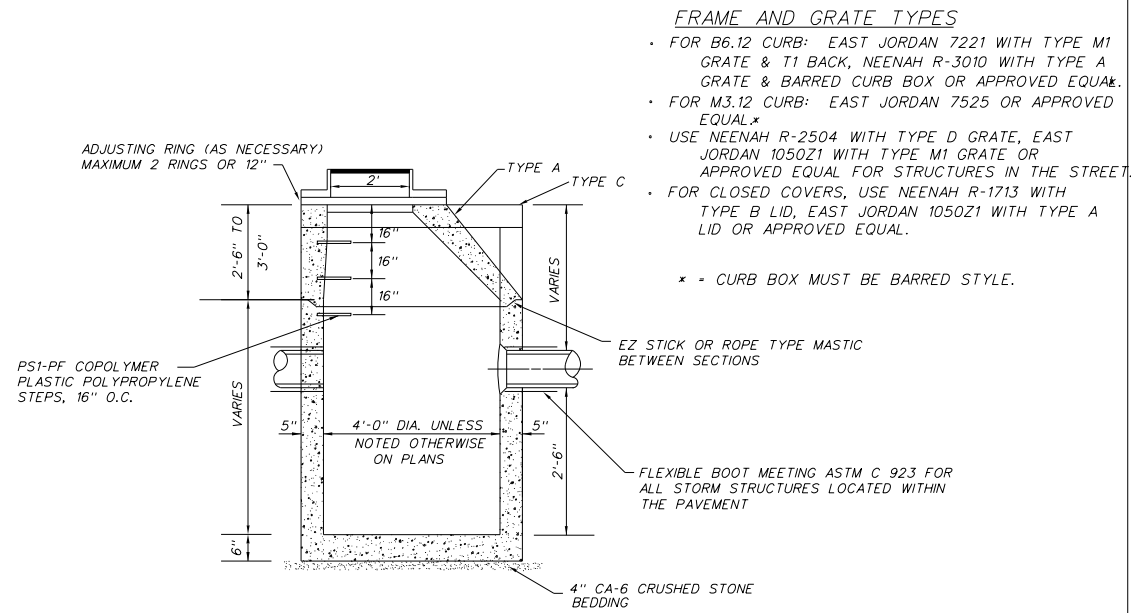
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PLOT DATE = 1/23/2024	CHECKED - EPS	REVISED -
	DATE - 1/23/2024	REVISED -

VILLAGE OF HOFFMAN ESTATES

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS DETAILS

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

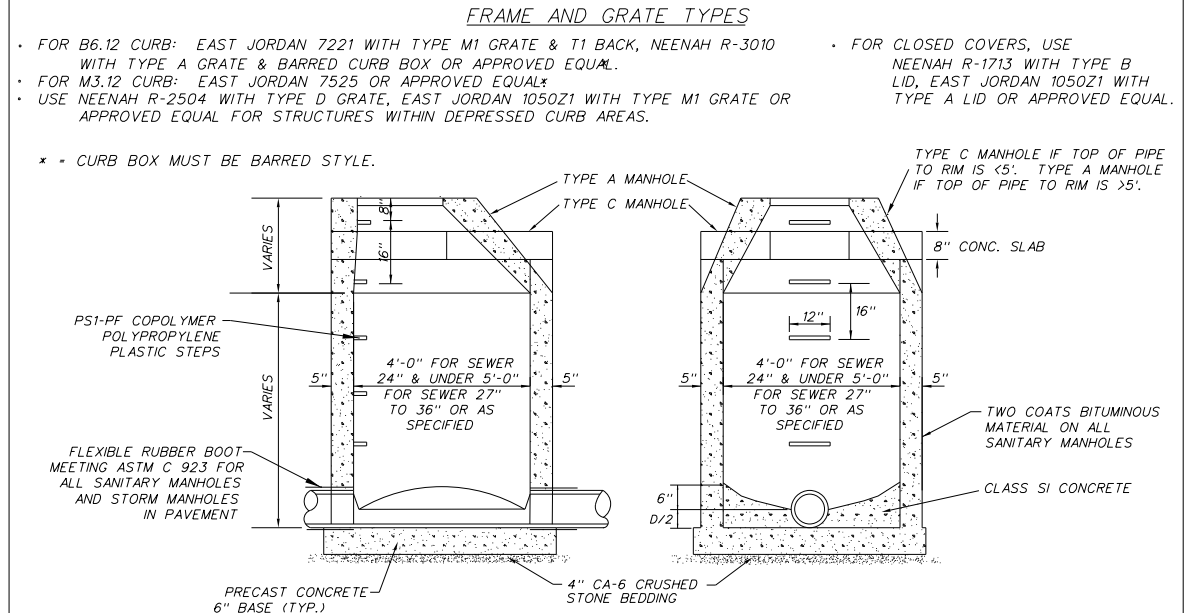
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	14
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



CATCH BASIN TYPE A & C

- NOTES:
1. ONLY PRECAST STRUCTURES ALLOWED.
 2. PRECAST CONCRETE BASE MUST BE INTEGRALLY CAST WITH THE LOWEST WALL SECTION.
 3. THE FRAME AND GRATE SHALL BE MORTARED TO THE CONCRETE STRUCTURE.
 4. ALL STRUCTURES LOCATED IN THE PAVEMENT SHALL FOLLOW THE WEEPHOLE DETAIL.

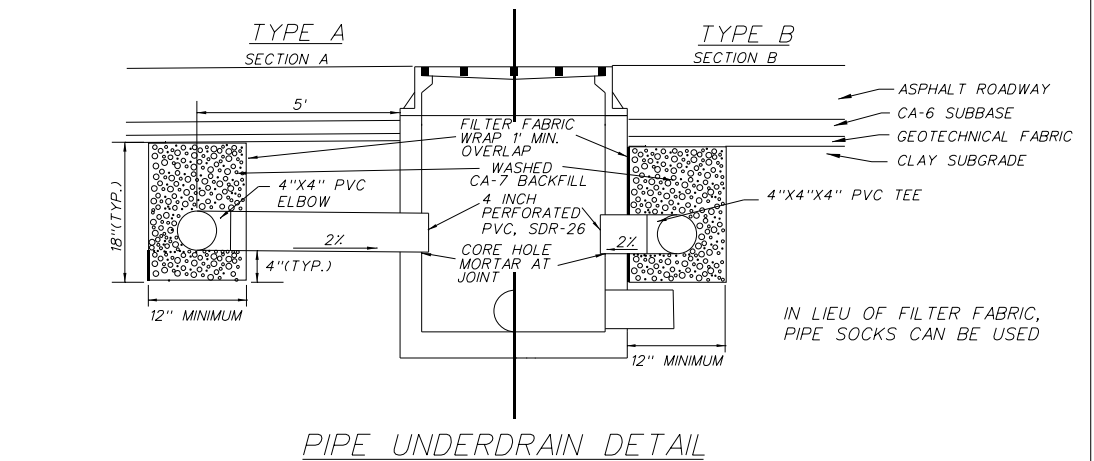
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DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: CTCHBASN.DWG	SHEET NO. 1	OF 1		



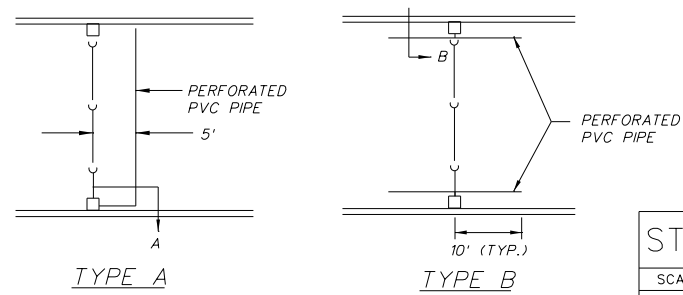
MANHOLE TYPES A & C

- NOTES:
1. ONLY PRECAST STRUCTURES ALLOWED.
 2. TWO ADJUSTING RINGS ALLOWED, MAXIMUM HEIGHT = 12".
 3. MANHOLE SECTIONS TO BE JOINED WITH ROPE TYPE MASTIC (E-Z STICK OR EQUAL).
 4. PRECAST CONCRETE BASE MUST BE INTEGRALLY CAST WITH THE LOWEST WALL SECTION.
 5. ALL GRATES PROVIDED SHALL BE BICYCLE SAFE.
 6. ALL SANITARY SEWER MANHOLES SHALL HAVE A CHIMNEY SEAL FROM CRETEX OR APPROVED EQUAL.
 7. ALL STORM STRUCTURES LOCATED IN THE PAVEMENT SHALL FOLLOW THE WEEPHOLE DETAIL.

MANHOLE DETAIL					
SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: MANHOLE.DWG	SHEET NO. 1	OF 1		



PIPE UNDERDRAIN DETAIL



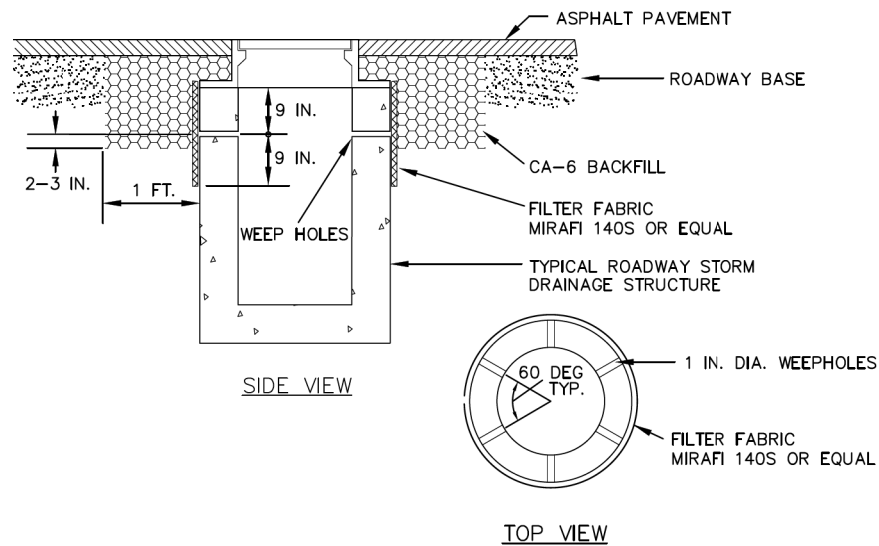
PIPE UNDERDRAIN DETAIL

STREET UNDERDRAIN DETAIL					
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DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: PIPEUNDR.DWG	SHEET NO. 1	OF 1		

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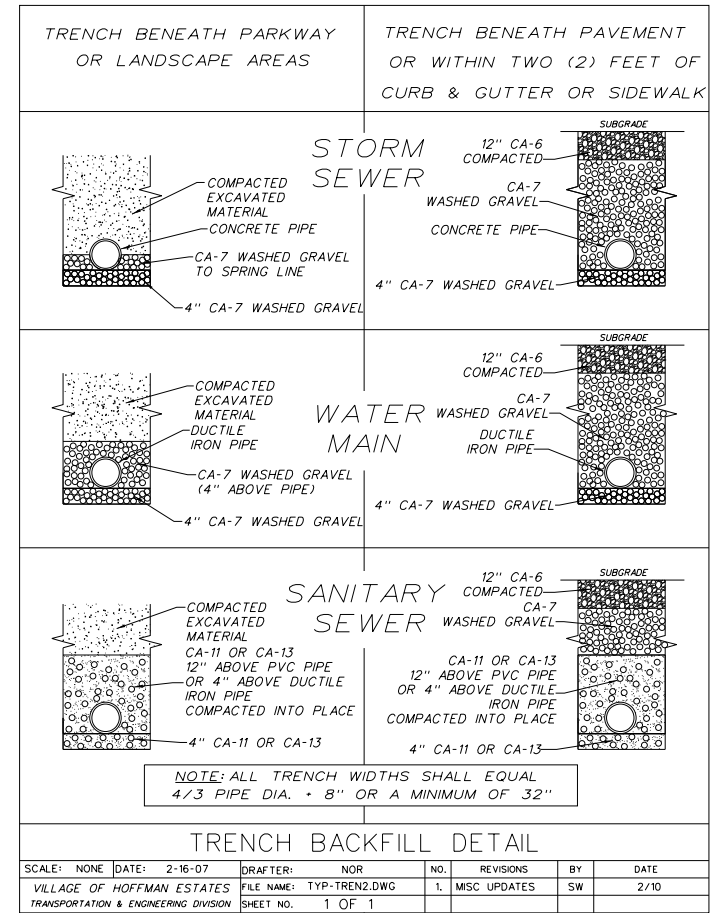
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RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SECURE FILTER FABRIC WITH CLAMPS OR MASTIC.
 2. THIS DETAIL APPLIES TO ALL NEW STORM STRUCTURES IN PAVEMENT, INCLUDING INLETS, CATCH BASINS AND MANHOLES.

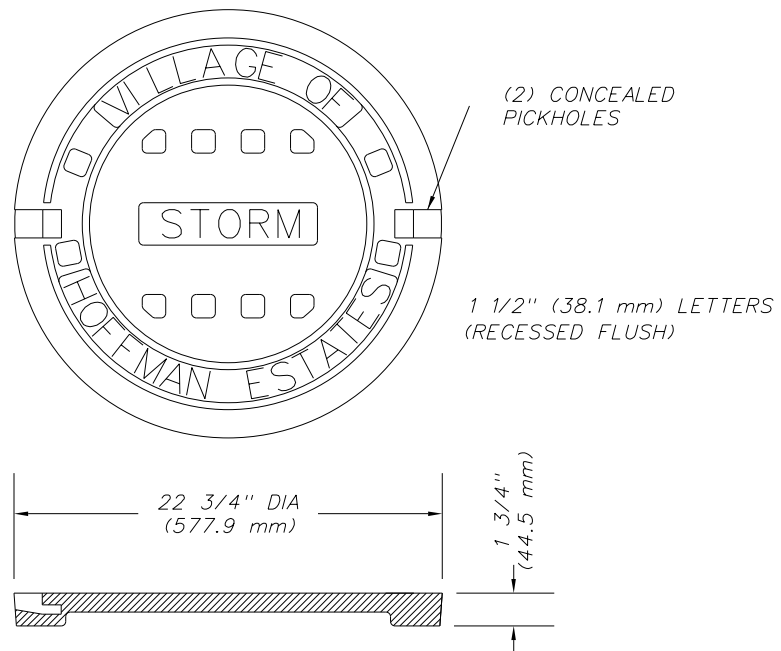
WEEPHOLE DETAIL



TRENCH BACKFILL DETAIL

SCALE: NONE	DATE: 2-16-07	DRAFTER: NOR	NO. REVISIONS	BY	DATE
VILLAGE OF HOFFMAN ESTATES	FILE NAME: TYP-TREN2.DWG	1. MISC UPDATES	SW	2/10	
TRANSPORTATION & ENGINEERING DIVISION	SHEET NO. 1 OF 1				

NOTE:
PRIVATE SYSTEMS OR SERVICES SHALL NOT INCLUDE "VILLAGE OF HOFFMAN ESTATES" ON THE STORM COVER.

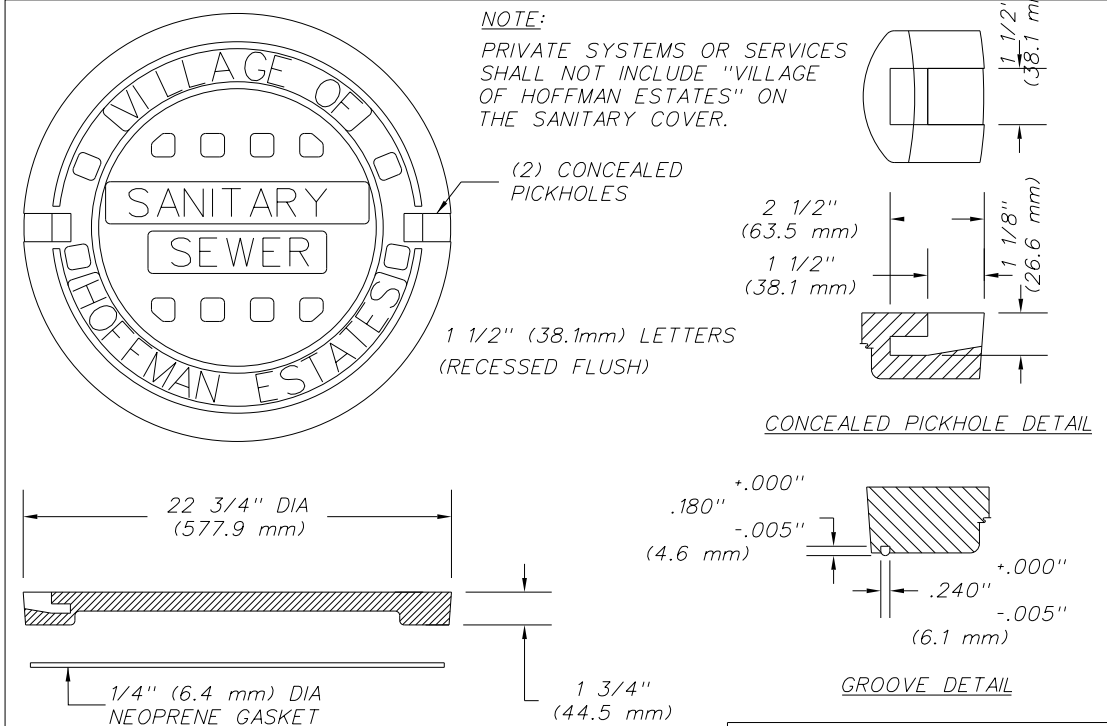


HEAVY DUTY
MAT'L ASTM A48 CL35
MACHINED BEARING SURFACE
COVER WT: 125 LBS (56.7 kg)

STORM COVER DETAIL

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES	FILE NAME: STRMCVR.DWG	SHEET NO.	1 OF 1		
TRANSPORTATION & ENGINEERING DIVISION					

NOTE:
PRIVATE SYSTEMS OR SERVICES SHALL NOT INCLUDE "VILLAGE OF HOFFMAN ESTATES" ON THE SANITARY COVER.



HEAVY DUTY
MAT'L ASTM A48 CL35
MACHINED BEARING SURFACE
COVER WT: 125 LBS (56.7kg)

MANHOLE COVER WITH GROOVED GASKET SEAL & CONCEALED PICKHOLES TO REDUCE SURFACE WATER INFLOW.

SANITARY COVER DETAIL

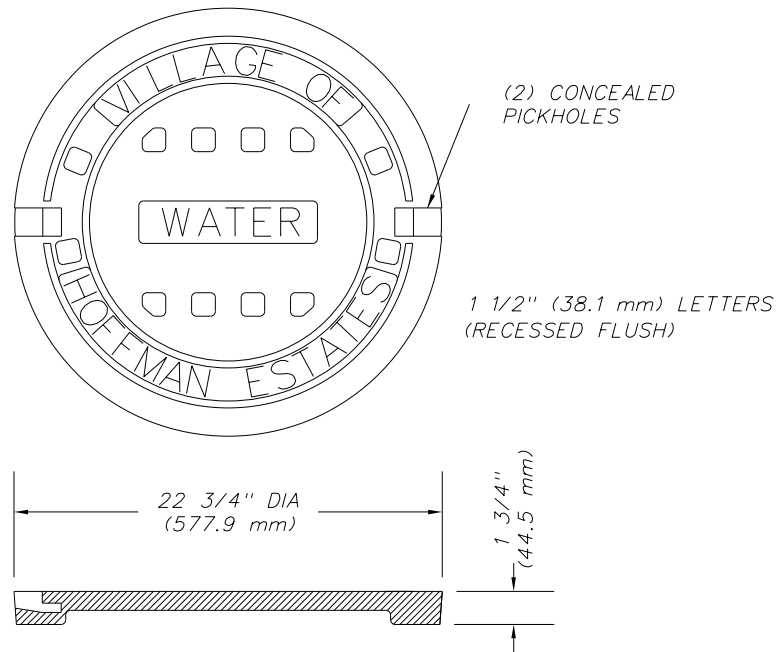
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DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
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TRANSPORTATION & ENGINEERING DIVISION					

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	DRAWN - JPM	REVISED -
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		COOK	25	16
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

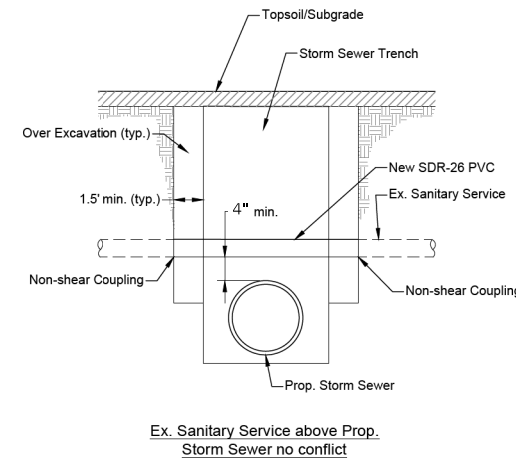
NOTE:
PRIVATE SYSTEMS OR SERVICES SHALL NOT INCLUDE "VILLAGE OF HOFFMAN ESTATES" ON THE WATER COVER.



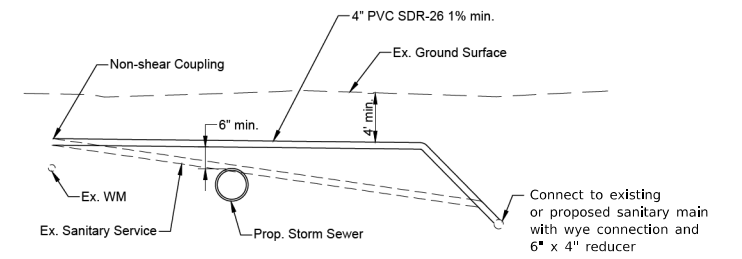
HEAVY DUTY
MAT'L ASTM A48 CL35
MACHINED BEARING SURFACE
COVER WT: 125 LBS (56.7 kg)

WATER COVER DETAIL

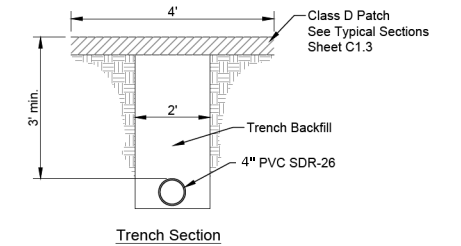
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Ex. Sanitary Service above Prop. Storm Sewer no conflict

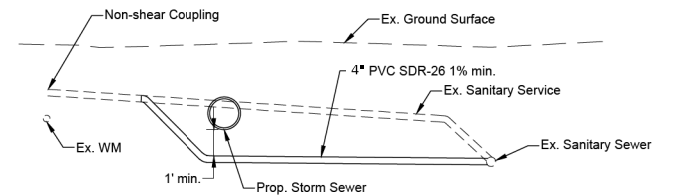


Ex. Sanitary Service in conflict with Prop. Storm Sewer



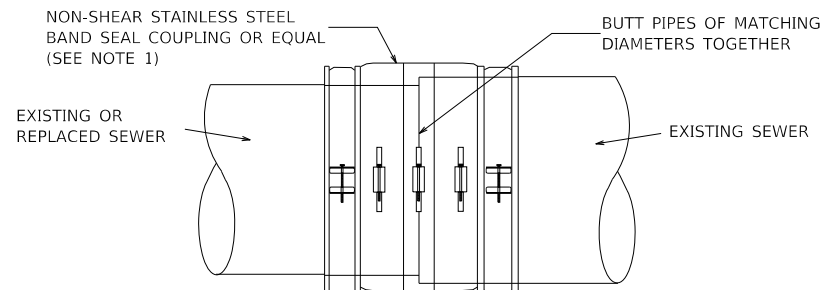
Trench Section

- Notes:**
- Hot-mix asphalt binder coarse and trench backfill quantified outside of the storm sewer trench and patching limits.
 - Contractor to field locate ex. sanitary services. Patching and curb and gutter removal and replacement not shown on the plans.
 - Four (4) feet of curb and gutter removal and replacement if replacement into roadway is necessary.



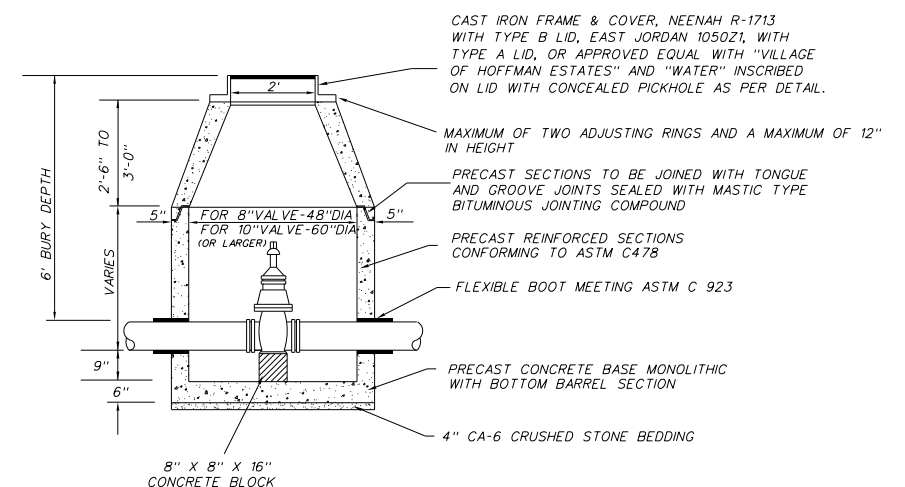
Ex. Sanitary Service in conflict with Prop. Storm Sewer. If min. 3' cover or 1% min. slope can't be maintained over Storm Sewer Pipe.

SANITARY SERVICE SEWER REPLACEMENT DETAIL



NOTE:
1. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

PIPE COUPLING DETAIL



NOTE: WATER MAIN MUST BE PRESSURE TESTED AND CHLORINATED BEFORE USE.

VALVE VAULT DETAIL

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: VALVEVLT.DWG	SHEET NO. 1 OF 1			

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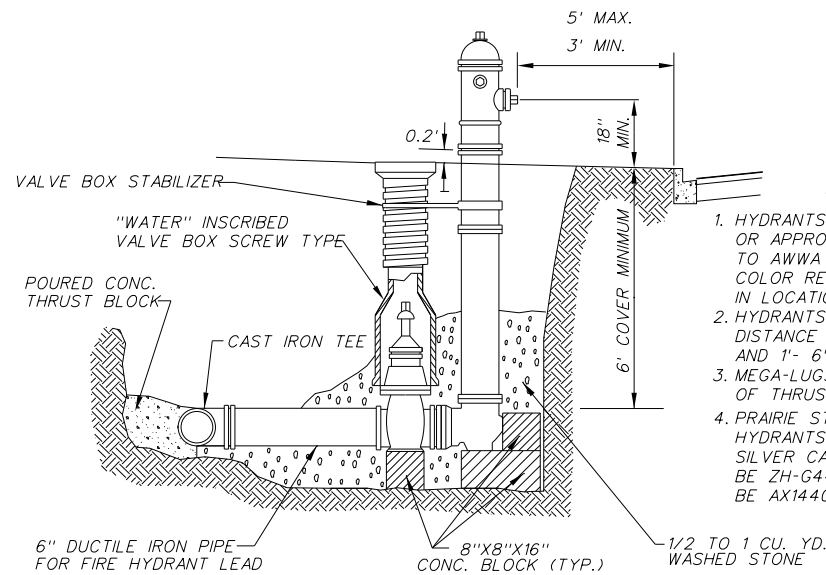
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PLOT DATE = 1/23/2024	DATE - 1/23/2024	REVISED -

VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
DETAILS**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	17
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



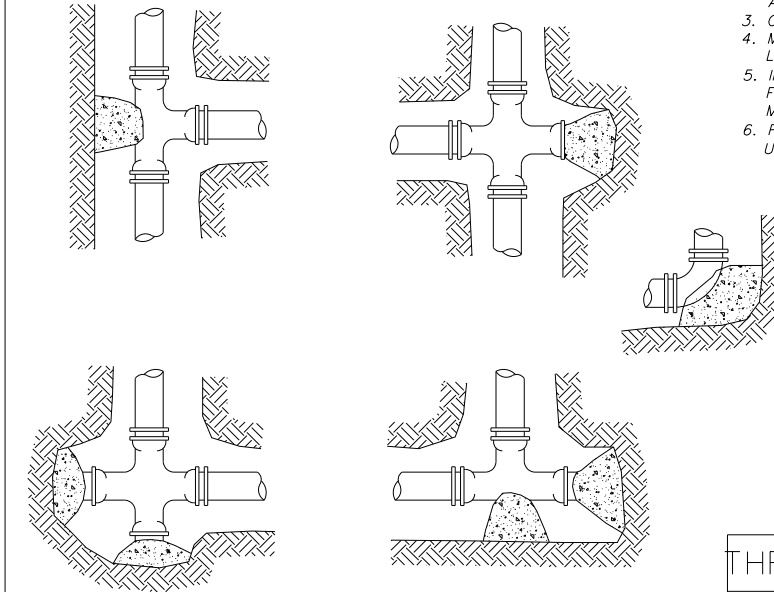
NOTES

1. HYDRANTS TO BE MUELLER A-423, OR APPROVED EQUAL, CONFORMING TO AWWA C-502. COLOR RED, WITH BREAK AWAY FLANGE IN LOCATIONS SHOWN ON THE PLANS.
2. HYDRANTS SHALL BE A MINIMUM DISTANCE OF 3' FROM BACK OF CURB AND 1'- 6" FROM SIDEWALK.
3. MEGA-LUGS CAN BE USED IN LIEU OF THRUST BLOCKS.
4. PRAIRIE STONE BUSINESS PARK HYDRANTS SHALL BE GREEN WITH SILVER CAPS. GREEN PAINT SHALL BE ZH-G4441, SILVER PAINT SHALL BE AX1440-SWQ.

FIRE HYDRANT

FIRE HYDRANT DETAIL

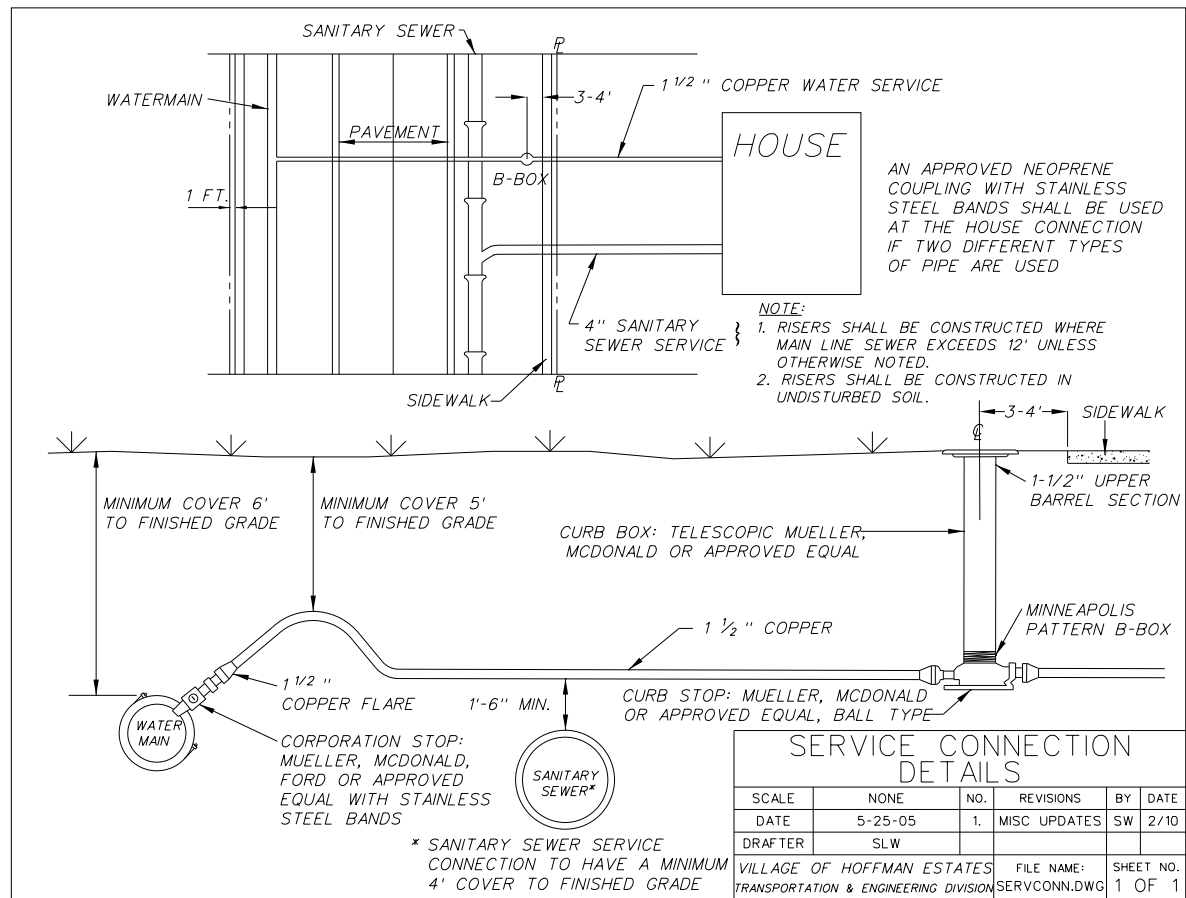
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DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: FRHYDRNT.DWG	SHEET NO.	1 OF 1		



- NOTES:**
1. THRUST BLOCKS SHALL BE AT ALL TEES AND BENDS OF 11-1/4" OR GREATER AND AT ALL DEAD END WATER MAINS.
 2. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
 3. CONCRETE SHALL BE 3000 P.S.I. (MIN.)
 4. MEGA-LUGS CAN BE USED IN LIEU OF THRUST BLOCKS.
 5. IN POOR SOIL CONDITIONS OR IN FAILING OR FALLING TRENCH WALLS, MEGA-LUGS MUST BE USED.
 6. FIELD LOK GASKET CAN BE USED IN LIEU OF THRUST BLOCKS.

THRUST BLOCKING DETAIL

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
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VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: THRSBLK.DWG	SHEET NO.	1 OF 1		



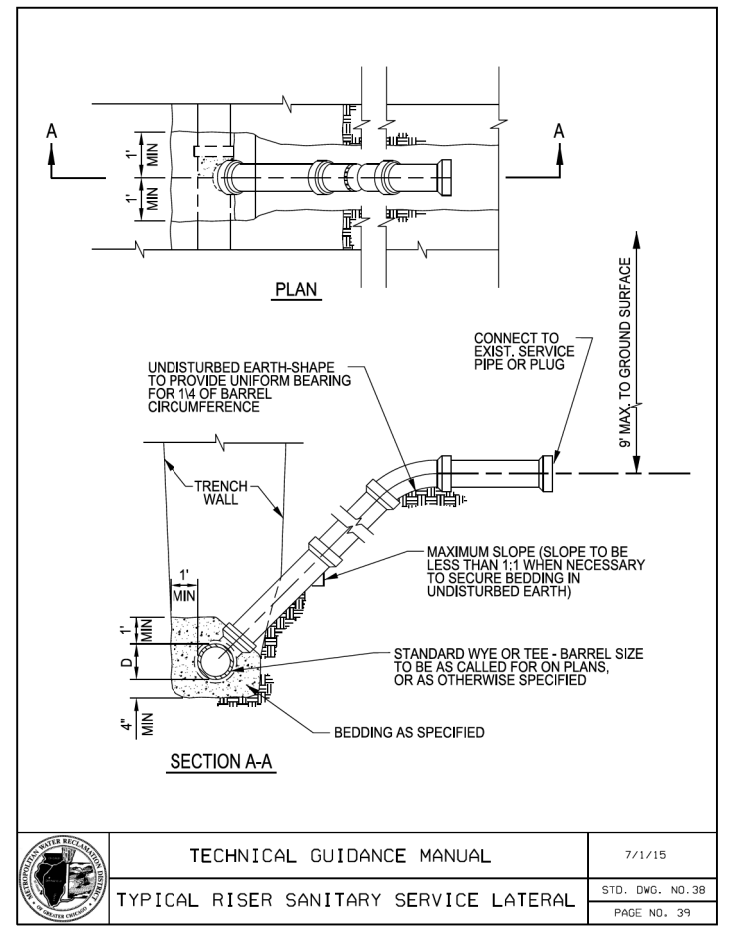
SERVICE CONNECTION DETAILS

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: SERVCONN.DWG	SHEET NO.	1 OF 1		

THRUST RESTRAINT TABLE

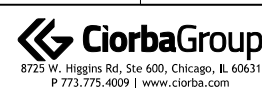
TYPE	6"	8"
Horizontal Bend, 11.25°	1	2
Horizontal Bend, 22.5°	2	3
Horizontal Bend, 45°	4	6
Horizontal Bend, 90°	10	13
Vertical Up Bend, 11.25°	1	2
Vertical Up Bend, 22.5°	2	3
Vertical Up Bend, 45°	4	6
Vertical Up Bend, 90°	10	13
Vertical Down Bend, 11.25°	3	3
Vertical Down Bend, 22.5°	5	6
Vertical Down 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.



TECHNICAL GUIDANCE MANUAL		7/1/15
TYPICAL RISER SANITARY SERVICE LATERAL		STD. DWG. NO. 38
		PAGE NO. 39

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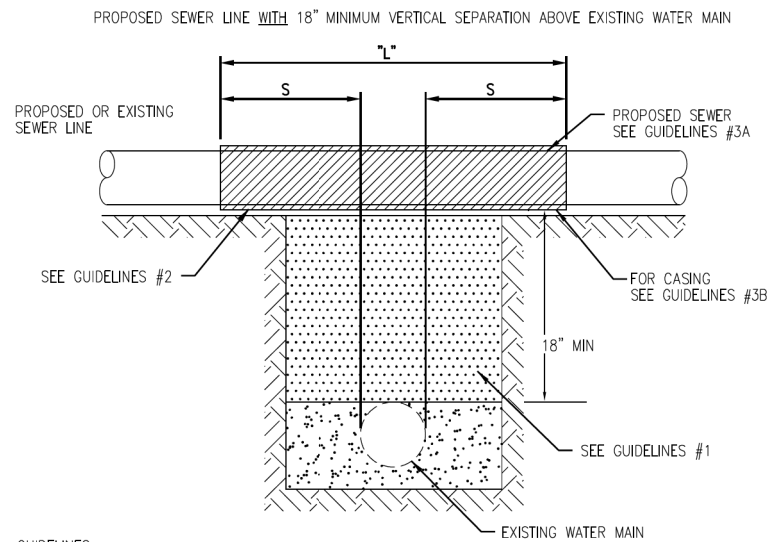
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VILLAGE OF HOFFMAN ESTATES

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS DETAILS

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	18
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

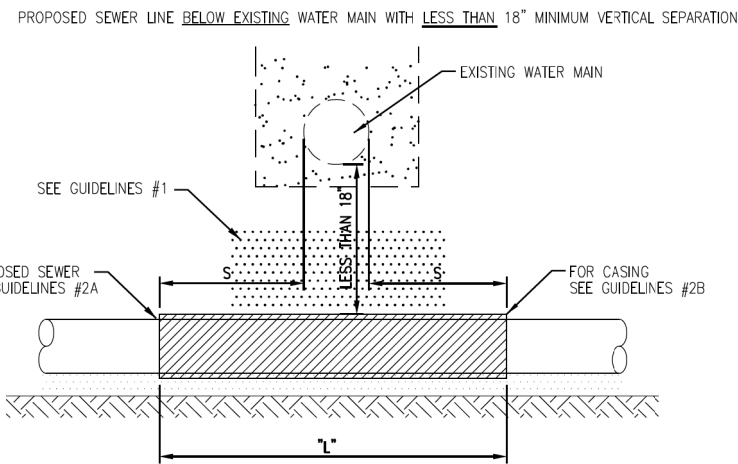


GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

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.

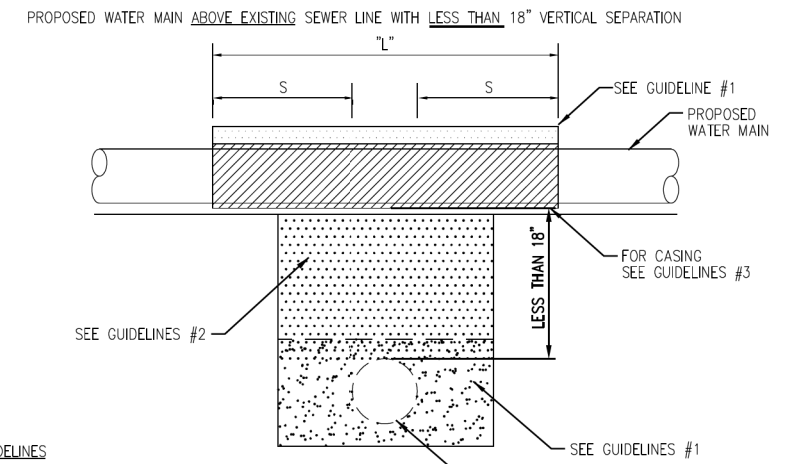


GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. 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.
3. 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.



GUIDELINES

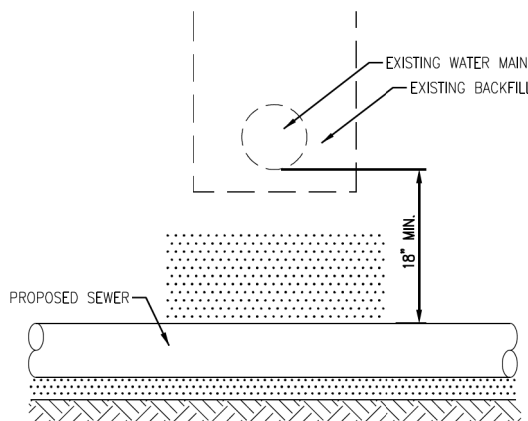
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

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

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

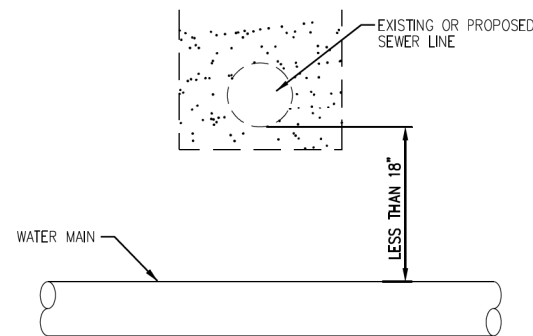


GUIDELINES

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

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

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED.



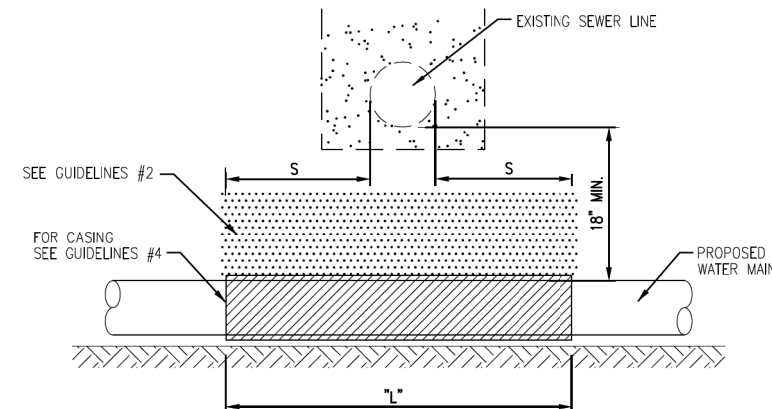
NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

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

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

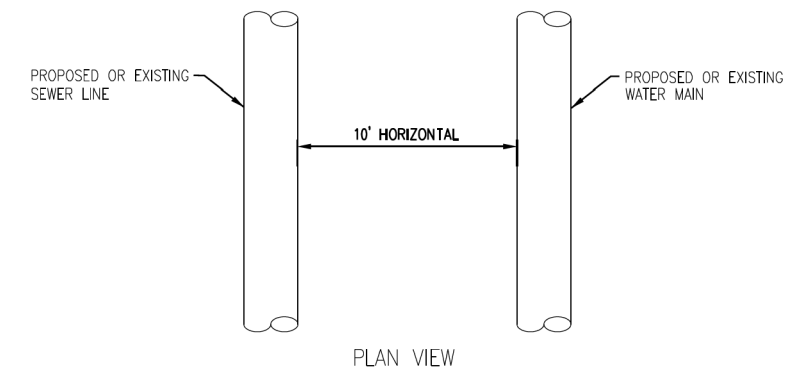
NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

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

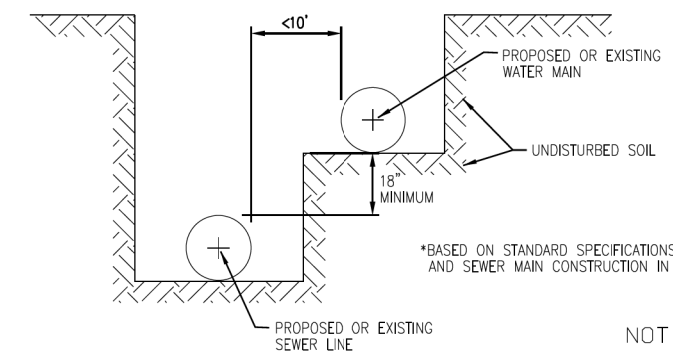


GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.



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



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

NOT TO SCALE

TECHNICAL GUIDANCE MANUAL

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

7/1/15

STD. DWG. NO. 41

PAGE NO. 42

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 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
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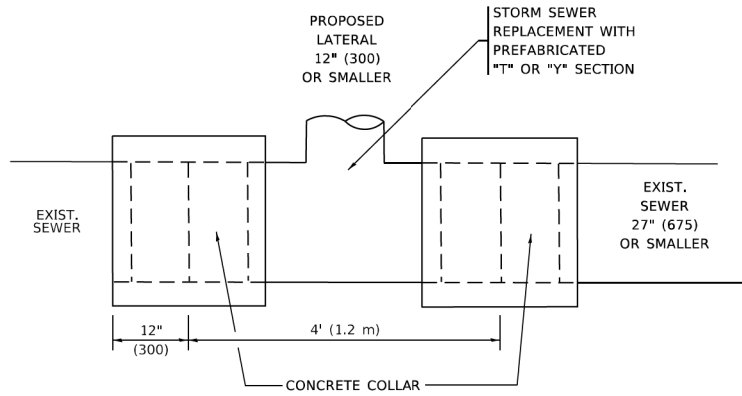
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VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
 DETAILS**

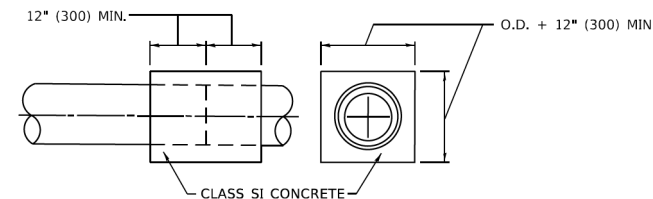
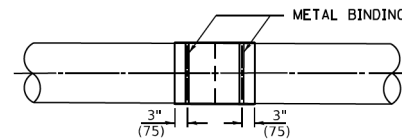
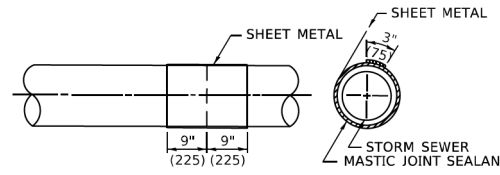
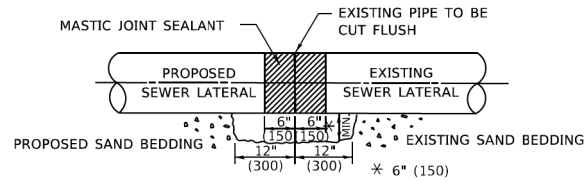
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



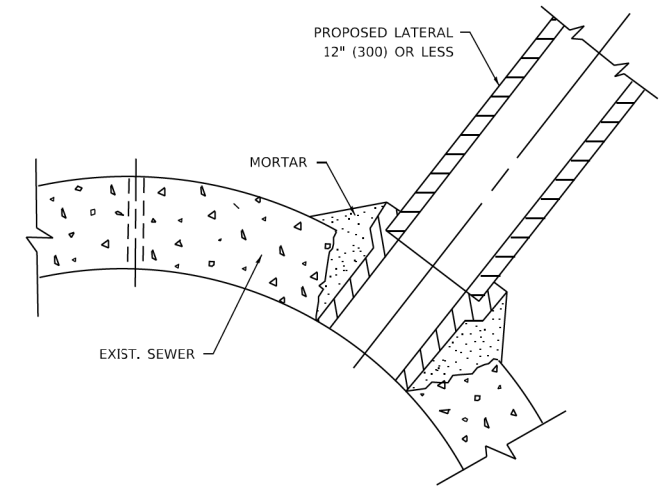
DETAIL "A"

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 OOOZES 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

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

- 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.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- 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.
- 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.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- 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.

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

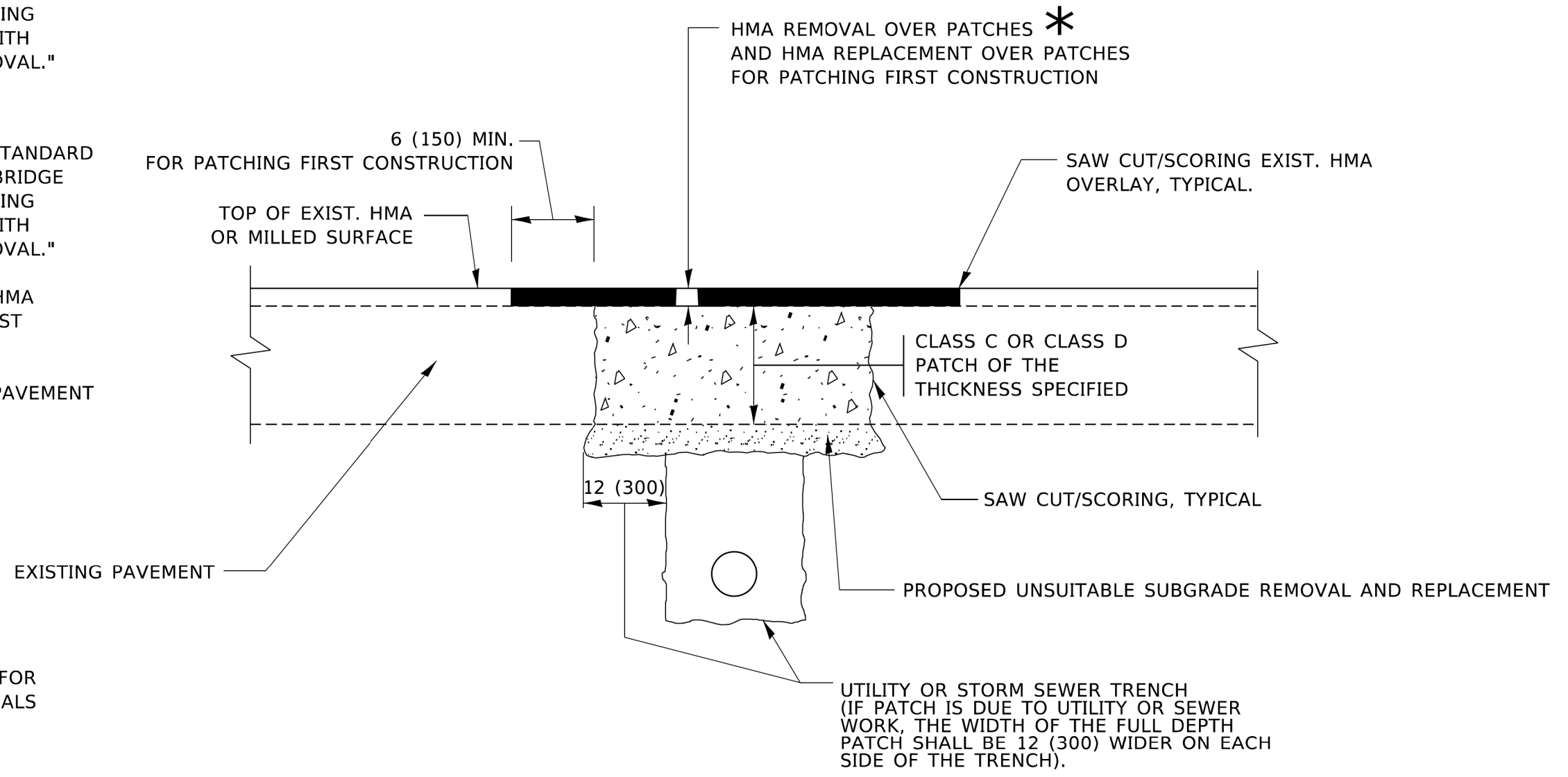
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	20
BD500-01 (BD-07)			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

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."

BASIS OF PAYMENT

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.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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.

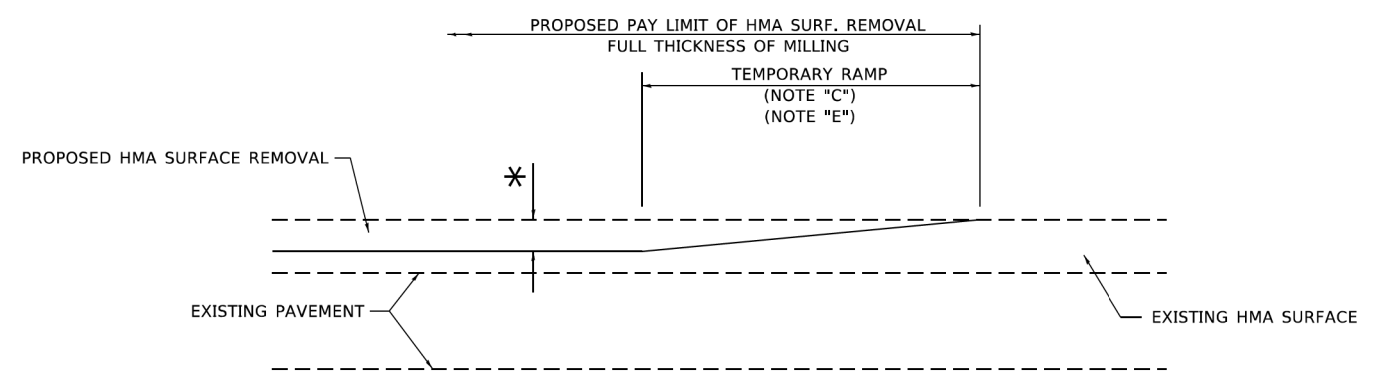
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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.

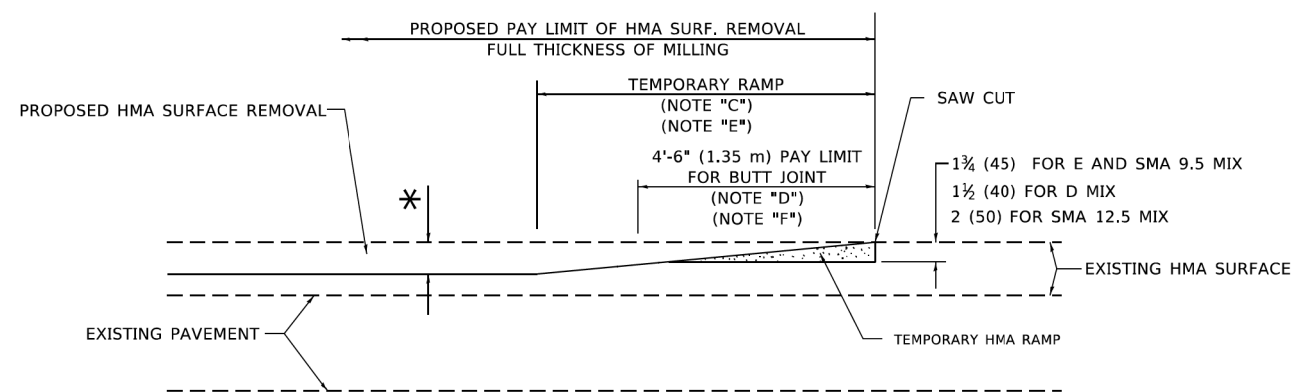
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USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08					COOK	25	21		
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			BD400-04 (BD-22)		CONTRACT NO.		
PLOT DATE = 11/18/2022	DATE - 10-25-94						ILLINOIS		FED. AID PROJECT		



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

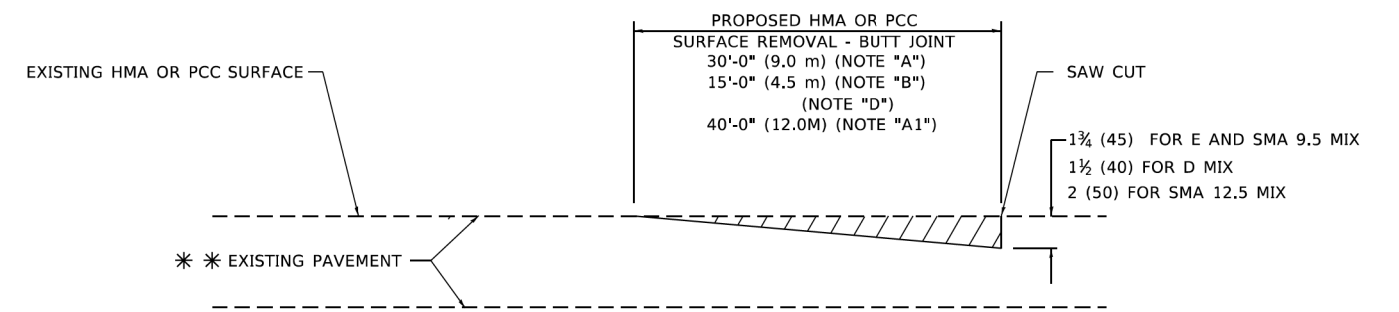
OPTION 1



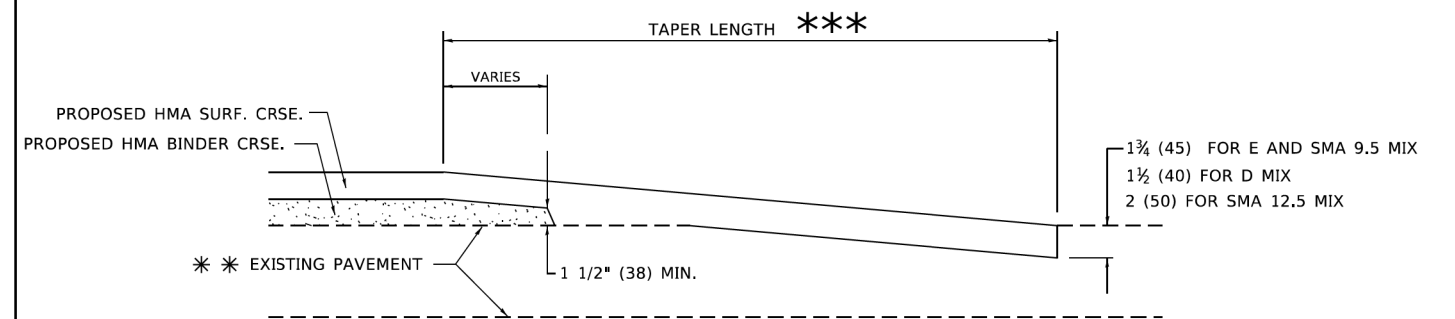
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

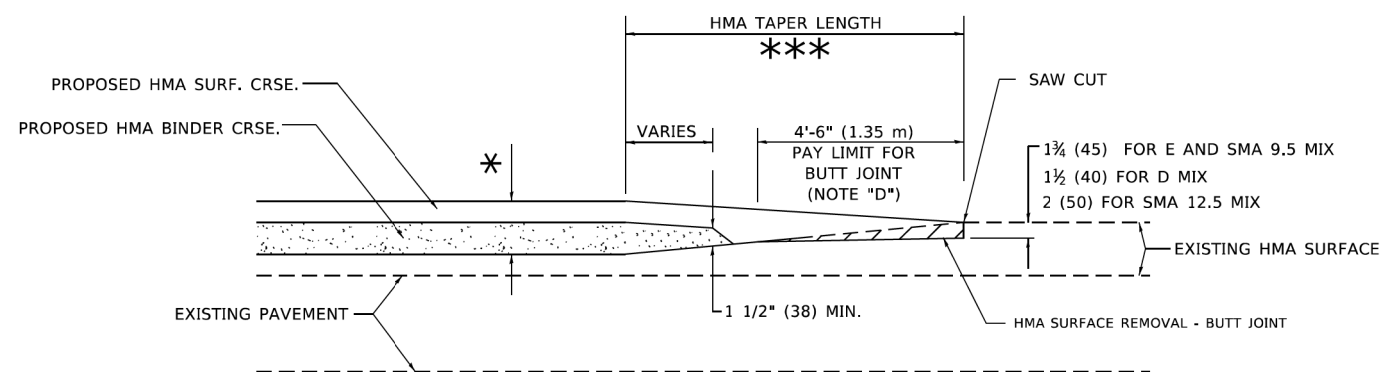
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. 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.
- F. 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

1. 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".
2. 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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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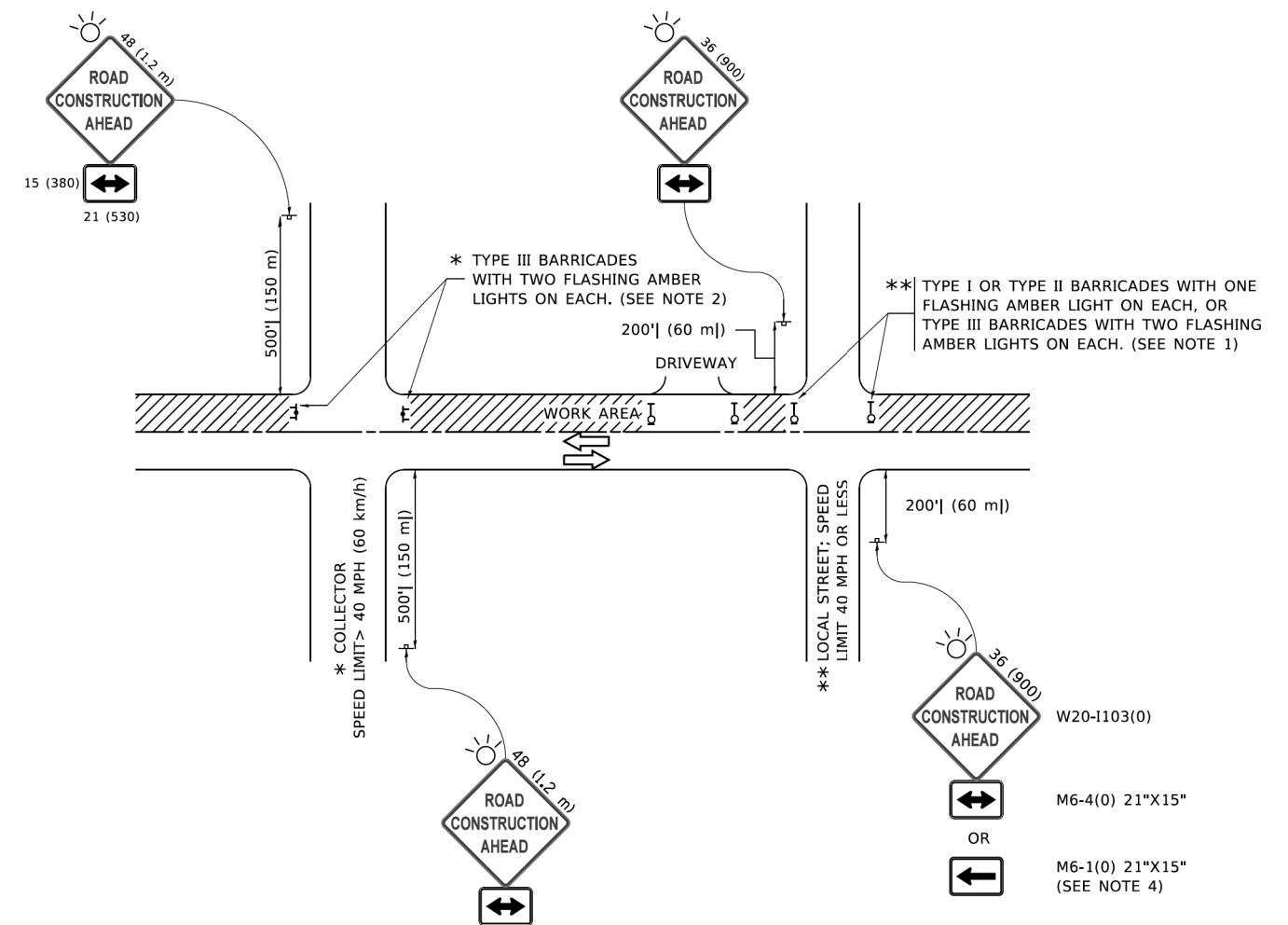
USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

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.
		COOK	25	22
BD400-05 BD-32			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



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 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.

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USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

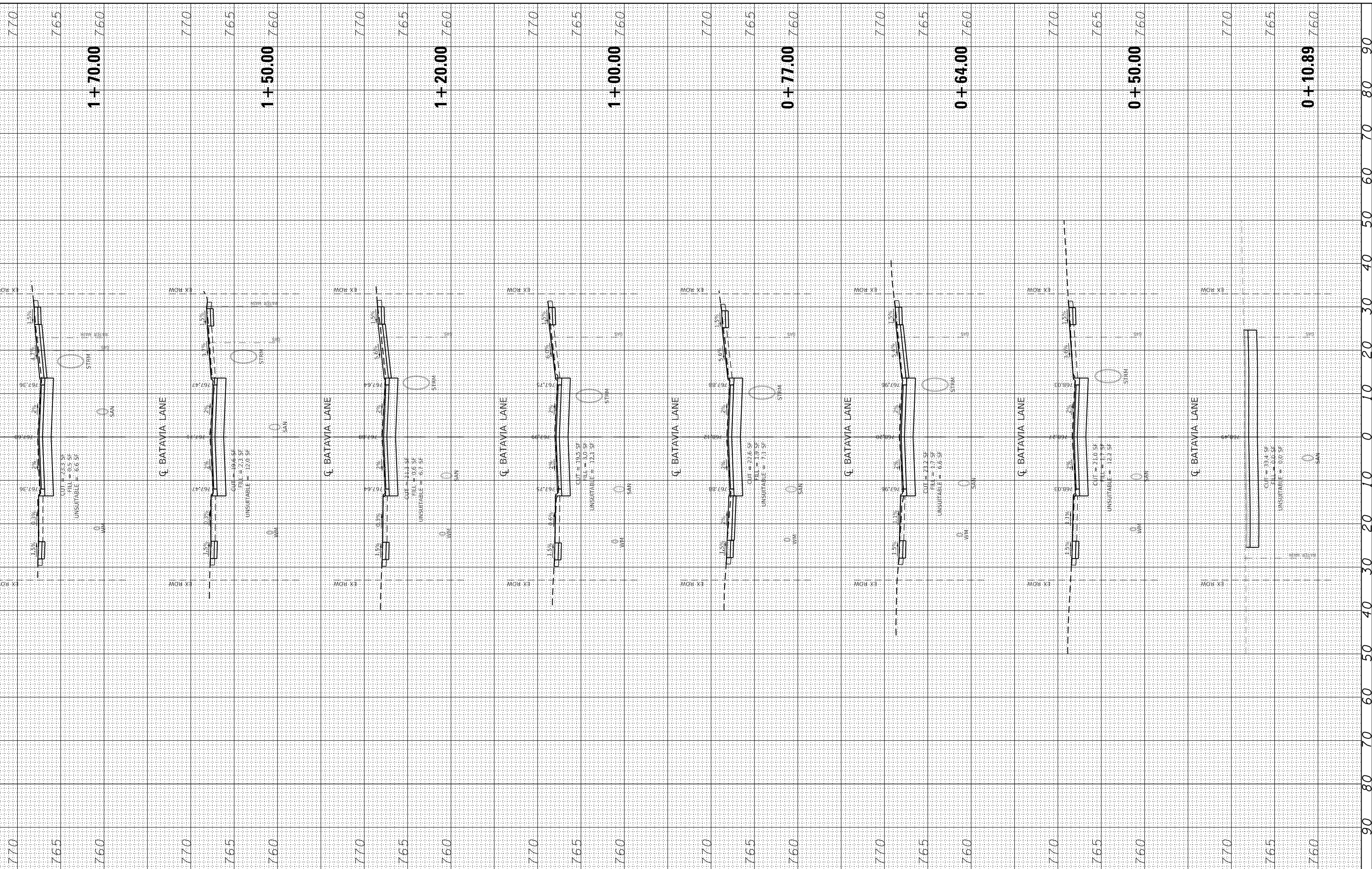
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	23
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
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USER NAME =	Roadway
DESIGNED -	VZ
DRAWN -	JPM
CHECKED -	EPS
DATE -	1/23/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

VILLAGE OF HOFFMAN ESTATES

BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
 CROSS SECTIONS

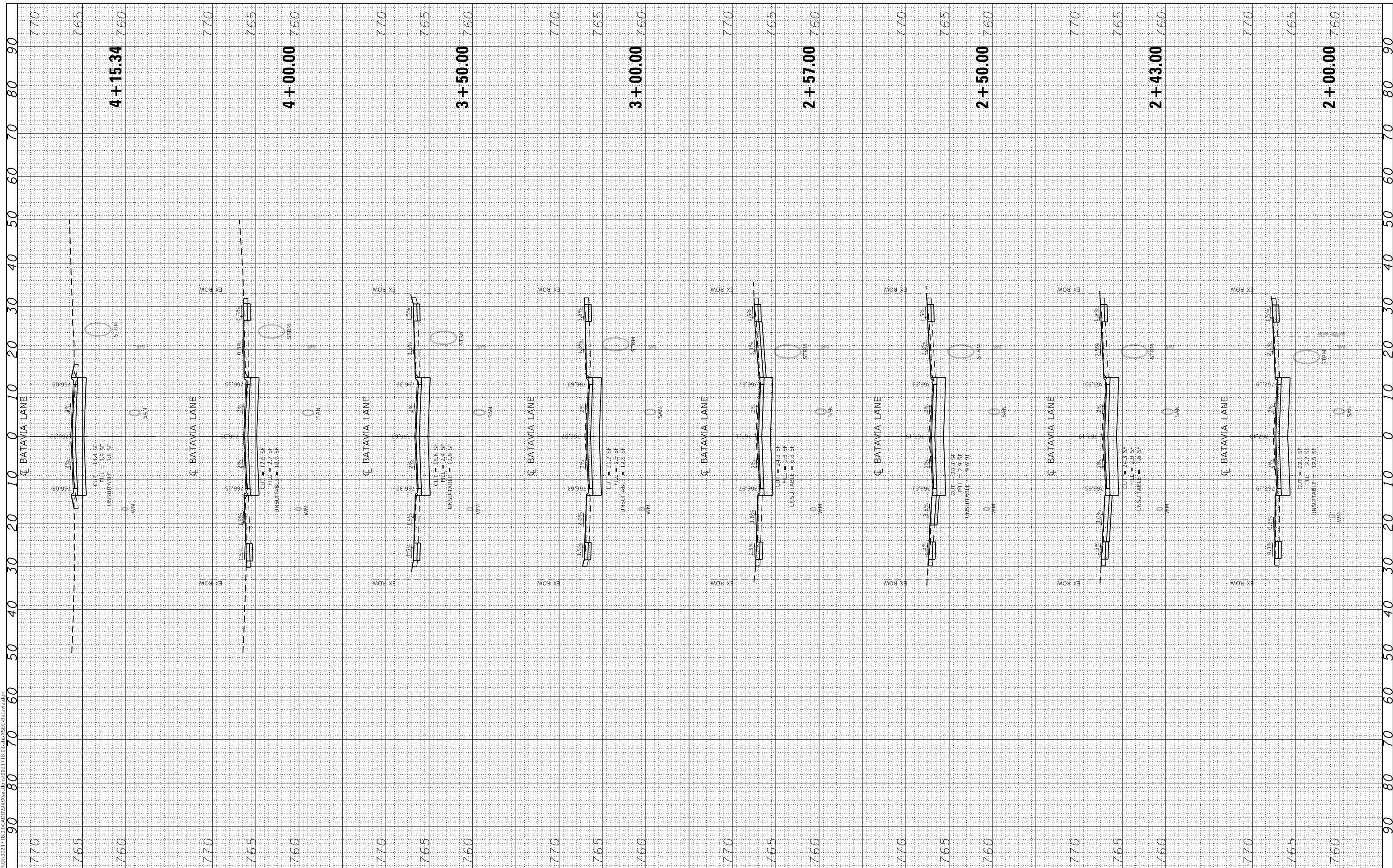
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	24
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
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NO.	TEMPLATE
	AREAS CHECKED

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DRAWN -	JPM
CHECKED -	EPS
DATE -	1/23/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

VILLAGE OF HOFFMAN ESTATES

**BATAVIA LANE INFRASTRUCTURE IMPROVEMENTS
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	25	25
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				