

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	1
		ILLINOIS	CONTRACT NO. 62X13	

* 48 + 1 = 49 TOTAL SHEETS

THIS PROJECT IS LOCATED IN THE CITY OF ST. CHARLES

FOR INDEX OF SHEETS, SEE SHEET NO. 2

SECTION 27
TOWNSHIP ST. CHARLES

DESIGN DESIGNATION:

IL RTE 25
ADT (2021) = 8,150 vpd
POSTED SPEED LIMIT = 30 MPH
RAMP POSTED SPEED LIMIT = 30 MPH
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

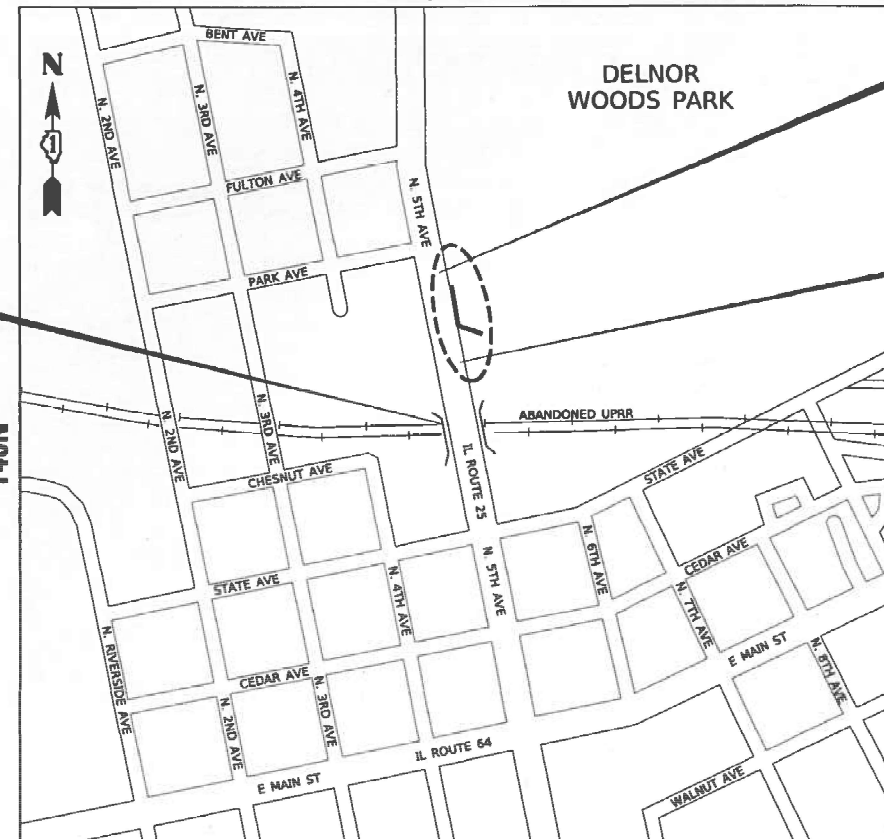
PROPOSED
HIGHWAY PLANS

FAU ROUTE 2503: IL 25 / 5th AVENUE
NORTH OF IL 64 (at 404 N. 5th AVE.)
SECTION: 2024-988-I
RETAINING WALL REPAIRS AND
SIDEWALK RECONSTRUCTION
KANE COUNTY
C-91-296-24

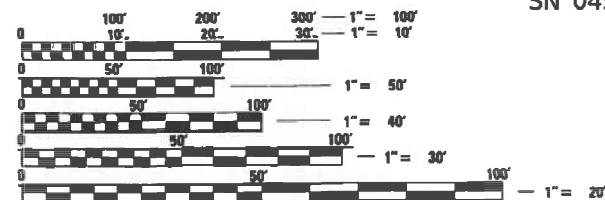


LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

R 8E, 3RD P.M.



EXISTING IL 25 OVER
ABANDONED UPRR
SN 045-0061



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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT MANAGER: VESELIN VELICHKOV, P.E.

CONTRACT NO. 62X13

LOCATION MAP

NOT TO SCALE
TOTAL LENGTH = 214 FT. = 0.04 MILE



Muhammad Arif, P.E.
No. 062-056451
Expires: 11/30/2025
Date: 8/8/2024
For Sheets:



Nadir Shah, S.E.
No. 081-005469
Expires: 11/30/2024
Date: 8/8/2024
For Sheets:



DELTA ENGINEERING GROUP, LLC
111 W JACKSON BLVD., SUITE 910
CHICAGO, IL 60604
T 312.377.7700
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 13th 2024

REGIONAL ENGINEER

October 4, 2024

ENGINEER OF DESIGN AND ENVIRONMENT

October 4, 2024

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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48A	TC-26: DRIVEWAY ENTRANCE SIGNING

IDOT HIGHWAY STANDARDS:

STD. NO.	STANDARD TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
601001-05	PIPE UNDERDRAINS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
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
701502-09	URBAN LANE CLOSURE, 2L, 2W, BI-DIRECTIONAL LEFT TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

MODEL NUMBER: 11/15/2024
FILE NAME: 11/15/2024



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USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
DRAWN - NS	CHECKED - MA	REVISED - _____
PLOT SCALE = \$SCALES	DATE - 9/27/2024	REVISED - _____
PLOT DATE = \$DATES		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS
DISTRICT 1 STANDARDS

SCALE: N/A SHEET 01 OF 01 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	2
CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2025; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD); THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" (SSTCI); THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL BE MADE AWARE THAT ALL CONSTRUCTION VEHICLES SHALL BE LIMITED TO 15 FEET ABOVE EXISTING GRADE WHILE CROSSING UNDER COMMONWEALTH EDISON'S TRANSMISSION LINES.
3. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
4. PRIOR TO STARTING ANY EXCAVATION OR ANY OTHER CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). CONTACT THE APPLICABLE MUNICIPALITY FOR SEWER AND WATER LOCATIONS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY IDOT AND/OR APPLICABLE MUNICIPALITY AT LEAST 10 DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR IDOT OR MUNICIPALITY OWNED ELECTRICAL, COMMUNICATIONS, OR TRAFFIC CONTROL CABLES. IDOT AND/OR APPLICABLE MUNICIPALITY ELECTRICIANS WILL LOCATE ANY POSSIBLE INTERFERING CABLES.

NOTE: IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.

IF THE CONTRACTOR CUTS OR DAMAGES ANY CABLES, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, HE SHALL THEN BE HELD RESPONSIBLE FOR THE REPAIRING OF ALL DAMAGES AT HIS EXPENSE, TO THE SATISFACTION OF THE AGENCY.
5. ANY ITEM NOT CALLED FOR REMOVAL AND DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE WITH NO ADDITIONAL COST TO THE DEPARTMENT.
6. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND STORM LINES ARE APPROXIMATE, AND THE PLANS DO NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.
7. ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNING MUNICIPALITY. UNAUTHORIZED USE IS SUBJECT TO ARREST AND PROSECUTION.
9. THE CONTRACTOR TO CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST 2 WEEKS PRIOR TO FORESTRY WORK TO IDENTIFY AND MARK TREES TO SAVE WITHIN TREE REMOVAL AREAS.
10. THE ENGINEER SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND THE MUNICIPALITIES A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES WITHIN IDOT JURISDICTION.
11. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS OWN EXPENSE.
12. ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY EXISTING UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH C.L.S.M., AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
13. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
14. NO PAYMENT WILL BE MADE FOR RESTORATION BEYOND THE LIMITS SHOWN ON THE PLANS.
15. ANY EXISTING UTILITY ADJUSTMENT AGREEMENTS AND SCHEDULES FOR THE ADJUSTMENT OF UTILITIES, WHICH MAY AFFECT THE WORK, WILL BE MADE AVAILABLE TO THE BIDDERS UPON REQUEST.
16. AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, THE PROPOSED CONCRETE TRUCK WASH OUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN THE DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.
17. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAVEL LANES FROM DEBRIS BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE TRAVELED LANE SURFACES. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
18. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT ARE SUBJECT TO THE APPROVAL BY THE APPROPRIATE AGENCY.
19. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND WRITTEN AUTHORIZATION FROM ALL GOVERNING AGENCIES FOR CONSTRUCTION ABOVE, ADJACENT TO AND ON ROADWAYS UNDER THEIR JURISDICTION.
20. FULL DEPTH SAW CUTS WILL BE REQUIRED FOR ALL REMOVAL ITEMS. SAW CUTTING WILL NOT BE MEASURED FOR PAYMENT SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK PERFORMED.
21. AT ANY TIME WHEN, IN THE JUDGEMENT OF THE ENGINEER, THE CONTRACTOR HAS OBSTRUCTED OR CLOSED A ROAD OR IS CARRYING ON OPERATIONS CAUSING GREATER INTERFERENCE OR INCONVENIENCE THAN NECESSARY FOR THE PROPER PROSECUTION OF THE WORK, THE ENGINEER MAY REQUIRE THE CONTRACTOR TO FINISH THE SECTION OF THE WORK WHICH IS IN PROGRESS BEFORE WORK IS STARTED ON ANY ADDITIONAL SECTION AND, IN ADDITION THERETO, MAY REQUIRE THE CONTRACTOR TO TAKE ANY OTHER ACTIONS WHICH WILL MINIMIZE INCONVENIENCE TO VEHICULAR AND PEDESTRIAN TRAFFIC.
22. PLEASE CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST 72 HOURS IN ADVANCE OF BOTH TREE CLEARING WORK AND WEED CONTROL WORK.
23. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP.
24. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE MEASURED FOR PAYMENT SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

MODEL NUMBER/NAME
FILE NUMBER/FILES



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	3
CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL	CONSTRUCTION CODE
				URBAN
				100% STATE
				0044
20100110	TREE REMOVAL (6 TO 15 UNITS DIA)	EACH	7	7
20101200	TREE ROOT PRUNING	EACH	8	8
20100210	TREE REMOVAL (OVER 15 UNITS DIA)	EACH	1	1
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	CU YD	18	18
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	7	7
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	7	7
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	7	7
25200110	SODDING, SALT TOLERANT	SQ YD	340	340
28000400	PERIMETER EROSION BARRIER	FOOT	280	280
28000500	INLET AND PIPE PROTECTION	EACH	4	4
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	330	330
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	68	68
42001300	PROTECTIVE COAT	SQ YD	287	287
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1050	1050
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	214	214

* = SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL	CONSTRUCTION CODE
				URBAN
				100% STATE
				0044
44000600	SIDEWALK REMOVAL	SQ FT	1050	1050
50102400	CONCRETE REMOVAL	CU YD	44	44
50200100	STRUCTURE EXCAVATION	CU YD	439	439
50800205	REINFORCEMENT BARS EPOXY COATED	POUND	4921	4921
50901760	PIPE HANDRAIL	FOOT	186	186
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	46.7	46.7
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	260	260
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	150	150
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	214	214
67100100	MOBILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	360	360
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	634	634
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1900	1900
70400100	TEMPORARY CONCRETE BARRIER	FOOT	335	335
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	81	81

* = SPECIALTY ITEM

MODEL NUMBER
FILE NUMBER: 21113

DELTA ENGINEERING GROUP, LLC
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T 312.377.7700, F 312.427.6145

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PLOT DATE = \$DATES\$		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	4
CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL	CONSTRUCTION CODE	
				URBAN	
				100% STATE	0044
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	160	160	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	53	53	
X5220010	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)	SQ FT	1570	1570	
X0322906	WEEP HOLES CORED	EACH	12	12	
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	18	18	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	9	9	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
* X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	13	13	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	158	158	
2010516	SELECTIVE CLEARING	UNIT	2	2	

* = SPECIALTY ITEM

MODEL NUMBER
FILE NAME: 31113

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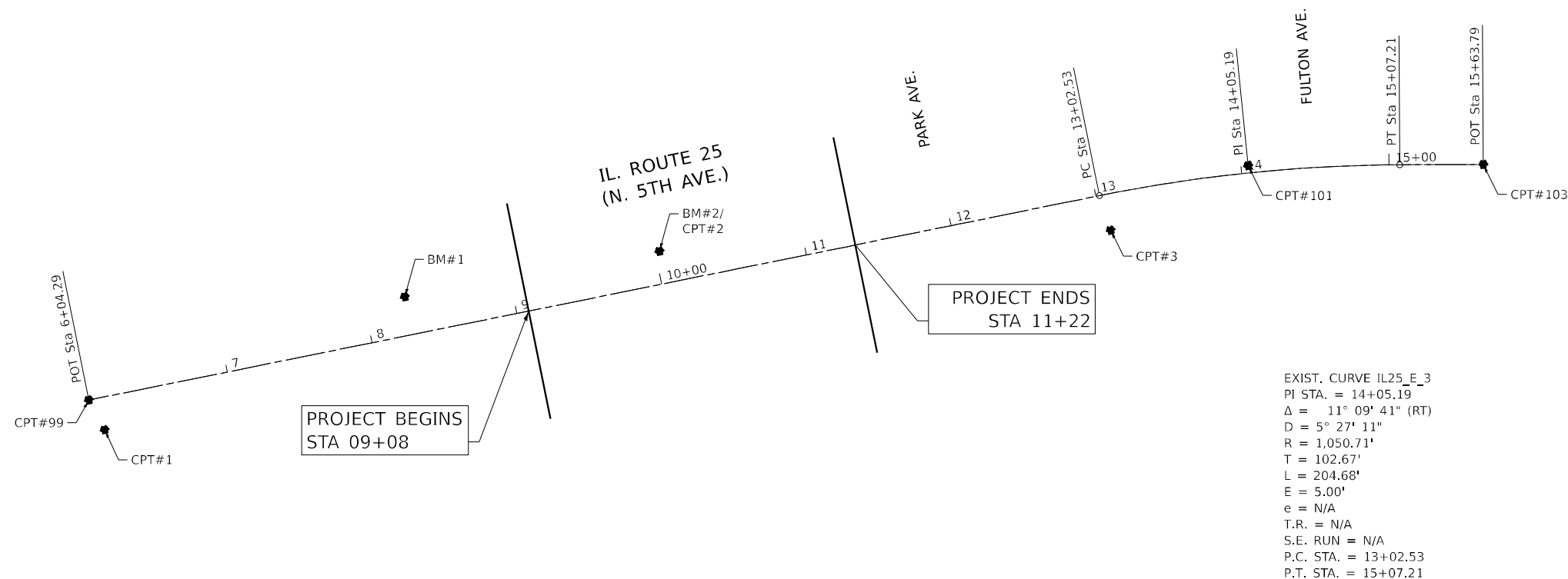
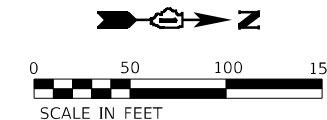
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**STATE OF ILLINOIS
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IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62X13	



CONTROL POINTS				
CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
CPT#99	1912091.959	990808.721	754.47	MAG NAIL CL (SOUTH)
CPT#101	1912876.949	990649.854	748.754	MAG NAIL PI
CPT#103	1913036.190	990649.077	751.17	MAG NAIL CL (NORTH)
CPT#1	1912102.664	990828.858	754.50	"X" IN SIDEWALK
CPT#2	1912478.373	990707.820	747.95	"X" IN SIDEWALK
CPT#3	1912783.873	990693.632	747.83	"X" IN SIDEWALK

BENCHMARK LIST				
BM #	NORTHING	EASTING	ELEV	DESCRIPTION
BM#1	1912305.92	990738.75	755.16	SQUARE CUT IN N END OF BRIDGE WALL NW QUADRANT OF BRIDGE +- 200' S OF BROKEN RETAINING WALL
BM#2	1912478.37	990707.82	747.95	"X" IN SIDEWALK W SIDE IL-25 +- 300' S OF PARK AVE, OPPOSITE OF BROKEN RETAINING WALL.

ALIGNMENT COORDINATES - IL-25			
POINT	STATION	NORTHING	EASTING
POB	06+04.29	1912091.959	990808.721
PC	13+02.53	1912776.324	990670.219
PI	14+05.19	1912876.949	990649.854
PT	15+07.21	1912979.614	990649.353
POE	15+63.79	1913036.190	990649.077

MODEL: 140821ENRMTS
FILE: 140821_01.DWG



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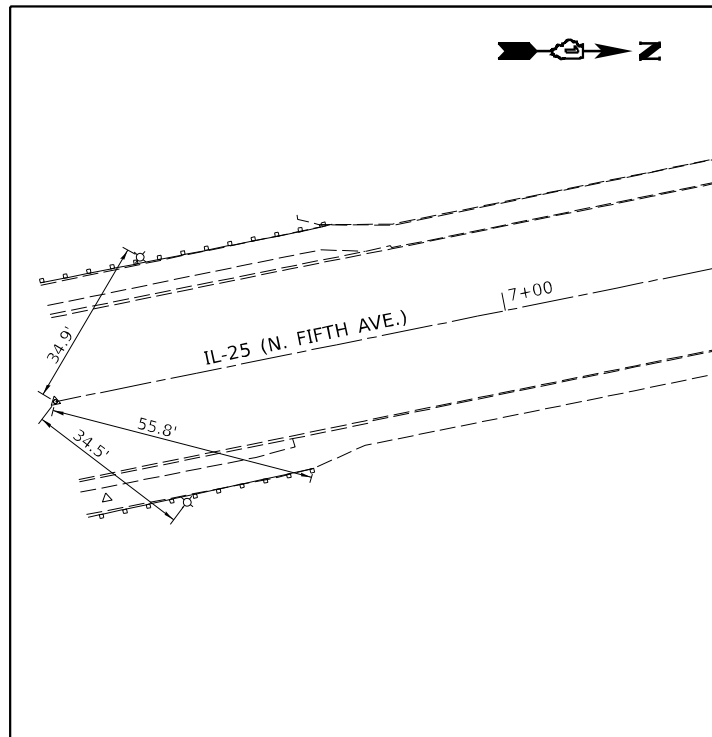
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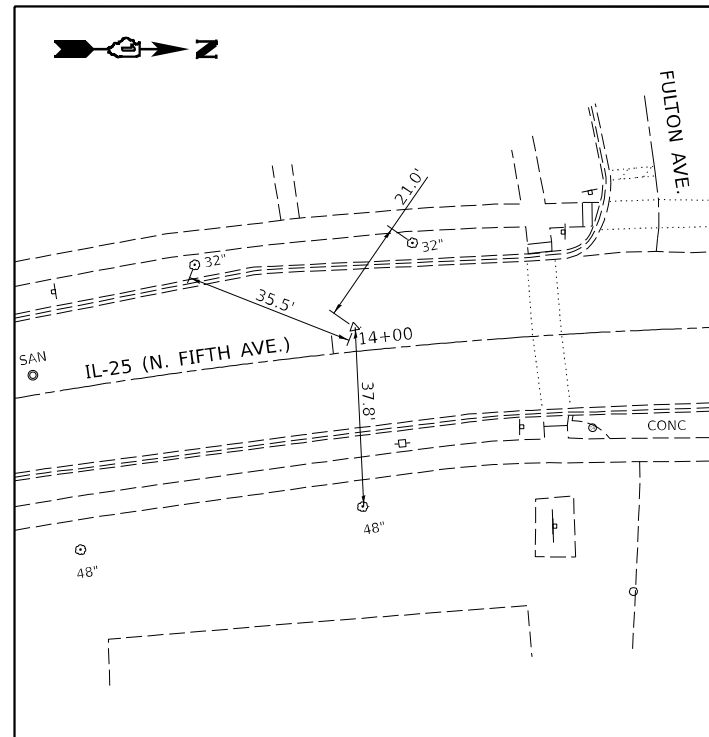
IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

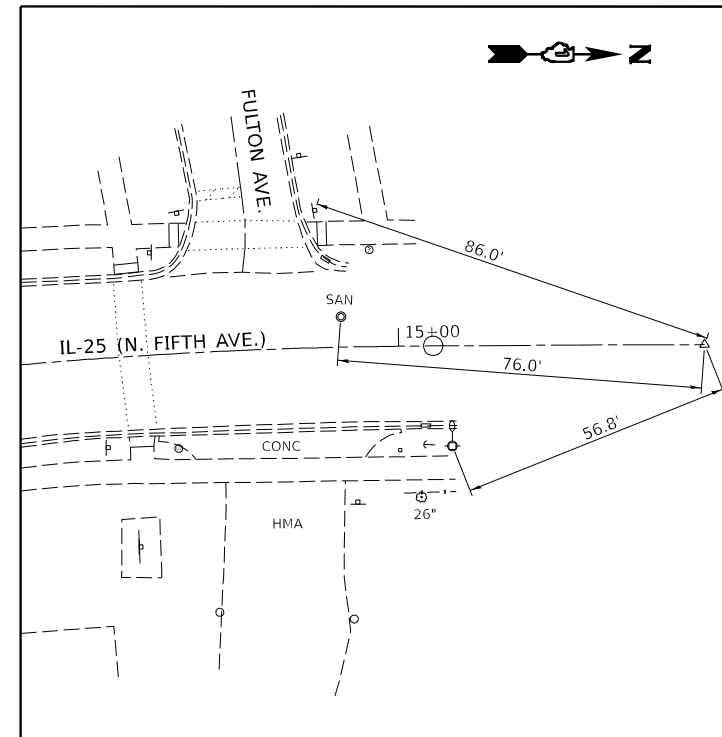
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	



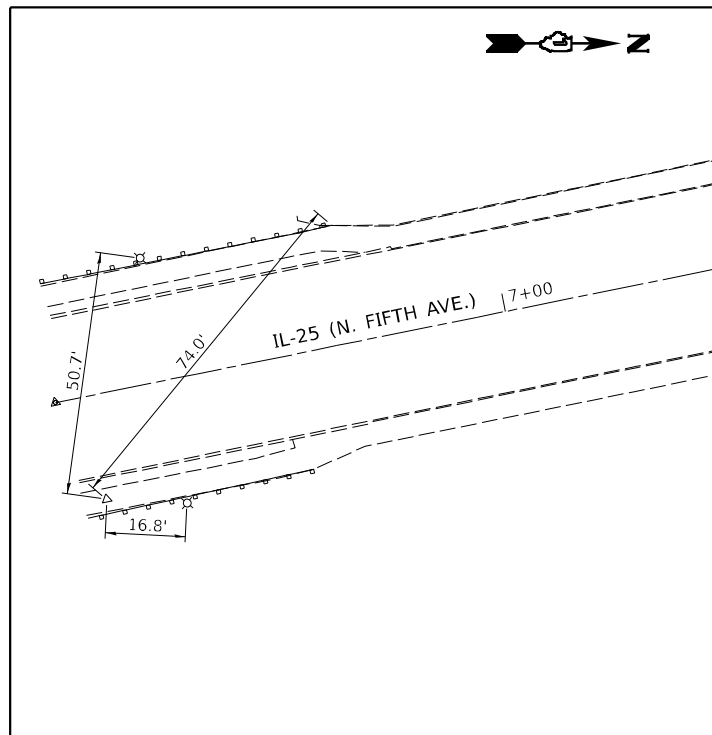
CP T#99 (MAG NAIL CL (SOUTH))
NTS



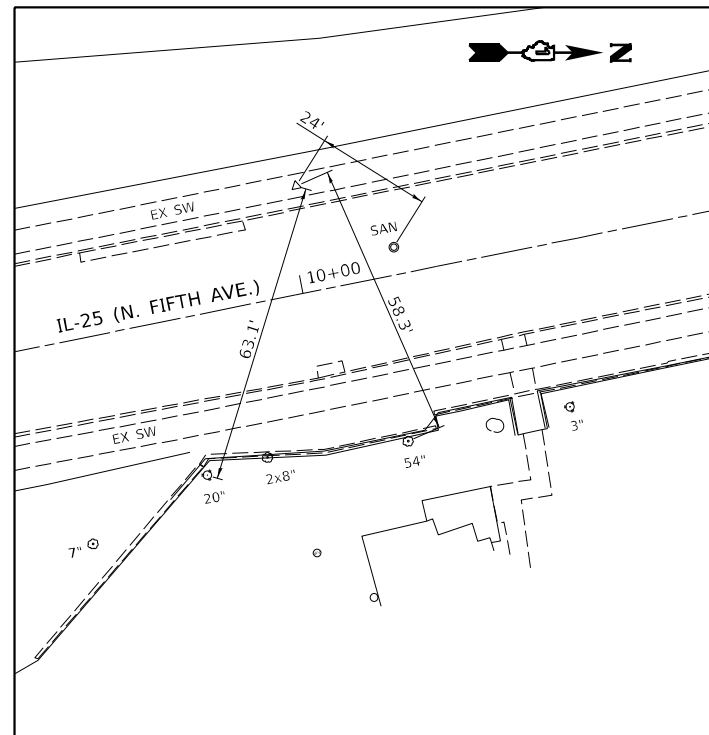
CP T#101 (MAG NAIL PI IL-25)
NTS



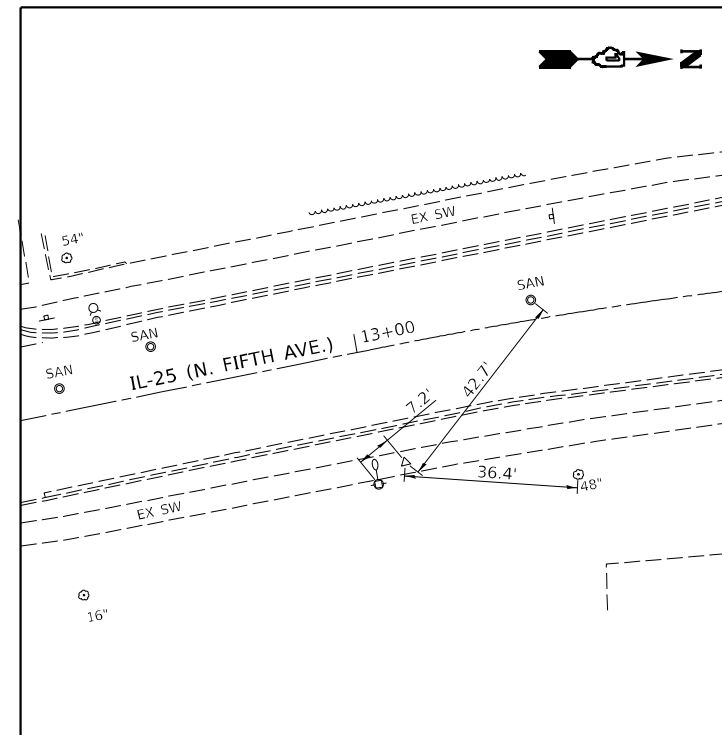
CP T#103 (MAG NAIL CL (NORTH))
NTS



CP T#1 ("X" IN SIDEWALK)
NTS



CP T#2 ("X" IN SIDEWALK)
NTS



CP T#3 ("X" IN SIDEWALK)
NTS

MODEL NUMBER/NAME
FILE NAME: SHEETS

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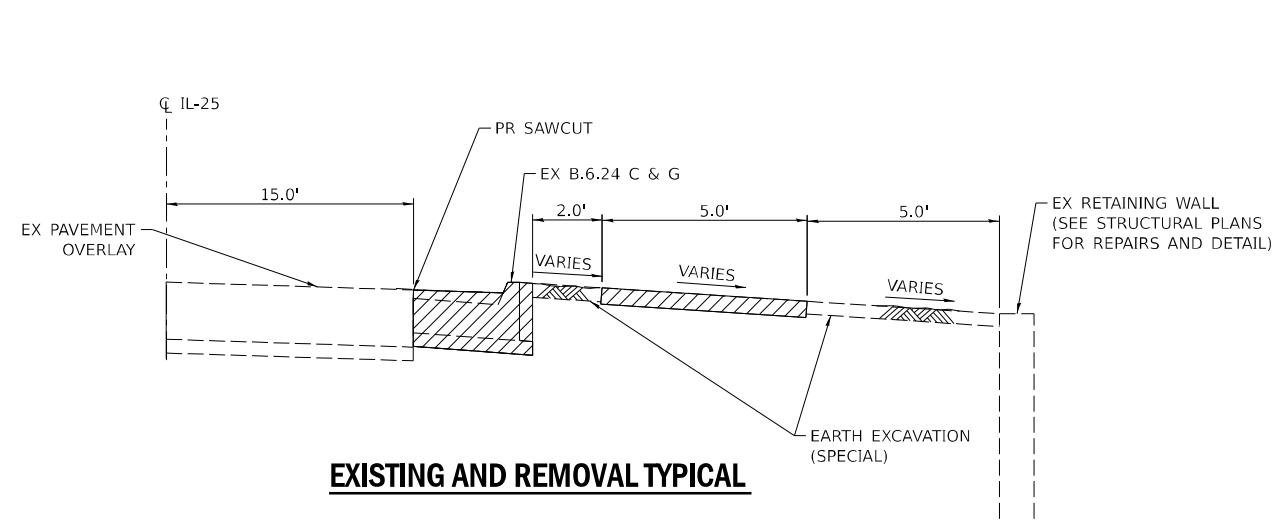
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

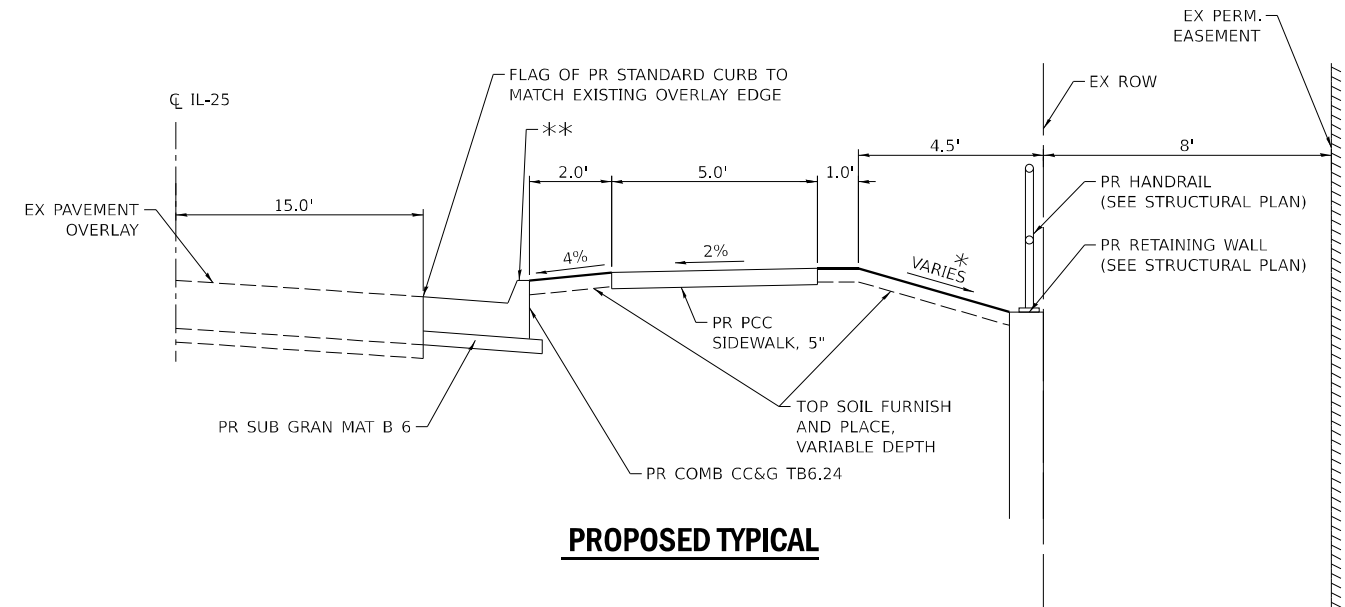
IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	7
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



EXISTING AND REMOVAL TYPICAL



PROPOSED TYPICAL

LEGEND



OVERLAY, CURB AND GUTTER AND SIDEWALK REMOVAL

NOTE:

RECONSTRUCTION OF THE SIDE OF THE ROADWAY SEGMENT ALONG THE RETAINING WALL INVOLVES REGRADING THE CROSS SLOPE BETWEEN THE CURB AND THE RETAINING WALL TO PITCH/SLOPE TRANSVERSELY TOWARDS THE ROADWAY TO ELIMINATE THE RUNOFF PONDING ISSUES ALONG THE WALL.

- * HEIGHT OF EMBANKMENT AND PR SLOPE TO VARY TO PROVIDE 2% AND 4% CROSS SLOPES FOR PROPOSED SIDEWALK AND PARKWAY, RESPECTIVELY TO ACCOMMODATE AND MATCH TOP OF STANDARD CURB.
- ** 5' LOGITUDINAL TRANSITION SEGMENT AT BOTH ENDS OF THE PROJECT TO PROVIDE TRANSITION IN STANDARD CURB HEIGHT REDUCED TO MATCH EXISTING TOP OF CURB.

MODEL NUMBER: 11/15/2023
FILE NAME: 11/15/23

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PLOT SCALE = \$SCALES	DATE - 9/27/2024	REVISED -
PLOT DATE = \$DATES		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
ROADWAY TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	8
CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	

MAINTENANCE OF TRAFFIC CONTROL GENERAL NOTES :

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC NOTES AND PROTECTION SECTION 701 OF THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE IDOT STANDARD SPECIFICATIONS.
3. ALL SIGNS SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS, LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
4. PORTABLE/CHANGEABLE ELECTRONIC MESSAGE BOARDS SHALL BE USED IN ADVANCE OF THE PROJECT ACCORDING TO IDOT STANDARDS AND SHALL BE IN PLACE A MINIMUM OF 72 HOURS PRIOR TO COMMENCING THE WORK AND SHALL REMAIN THROUGHOUT THE ROADWAY CONSTRUCTION WORK. CHANGES IN TRAFFIC STAGING SHALL BE NOTED 2 WEEKS IN ADVANCED WITH MESSAGES AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR, KALPANA-HANNA-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH HIGH INTENSITY MONO-DIRECTIONAL FLASHING LIGHTS.
7. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
8. ALL TEMPORARY PAVEMENT MARKINGS SHOWN DETERIORATION SHALL BE REPLACED BY THE CONTRACTOR WITHIN 7 DAYS AS DIRECTED BY THE ENGINEER.
9. A MINIMUM (ONE) 1 FOOT SHY DISTANCE BETWEEN THE TEMPORARY CONCRETE BARRIER WALL AND THE OUTSIDE EDGE OF THE ADJACENT TEMPORARY PAVEMENT MARKING SHALL BE PROVIDED AT ALL LOCATIONS.
10. CONTRACTOR SHALL NOT STORE ANY EXCAVATION MATERIAL OR EQUIPMENT ON EXISTING BRIDGE.
11. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL- WATER BLASTING.
12. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE MOT PLANS.
13. ALL VEHICLES, EQUIPMENT, WORKERS, AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

SEQUENCE OF CONSTRUCTION :

CONSTRUCTION IMPROVEMENTS:

CONSTRUCTION TO BE CARRIED OUT FOR THE REPAIR OF COLLAPSED EXISTING WALL AND THE EXISTING ITEMS ALONG THE ROADSIDE OF NORTHBOUND IL 25. ROOT PRUNING OF EXISTING TREES IN VICINITY OF THE COLLAPSED WALL (AS MARKED ON PLANS). EXISTING CURB AND GUTTER AND 5' SIDEWALK TO BE REPLACED. PROPOSED FILL/ EMBANKMENT TO BE CREATED ALONG THE RETAINING WALL WHICH WILL HELP IN CREATING GREEN AREA AND PROPOSED SIDEWALK CROSS SLOPES TO BE PITCHED TOWARDS THE ROADWAY. NOTE UNDER EXISTING CONDITIONS THE ROADSIDE BETWEEN BACK OF THE CURB AND RETAINING WALL IS PITCHED TOWARDS THE RETAINING WALL.

CONSTRUCTION TRAFFIC CONTROL:

IL 25 IS A TWO LANE ROADWAY ALONG THE PROJECT. UTILIZING IDOT STANDARD 701502, EXISTING NB IL 25 LANE WILL BE SHIFTED TO THE WEST TO CREATE WORK ZONE FOR THE AFOREMENTIONED CONSTRUCTION. BOTH EXISTING LANES WILL BE REDUCED TO 11' IN EACH DIRECTION.

MODEL NUMBER: 11/15/2024
FILE NAME: 11/15/2024



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	DRAWN - NS	REVISED -
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PLOT DATE = \$DATES	DATE - 9/27/2024	REVISED -

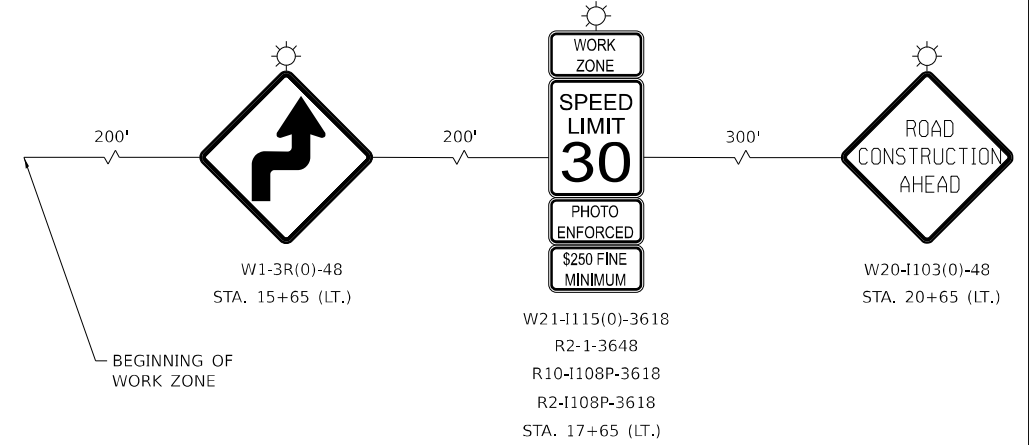
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
MAINTENANCE OF TRAFFIC NOTES**

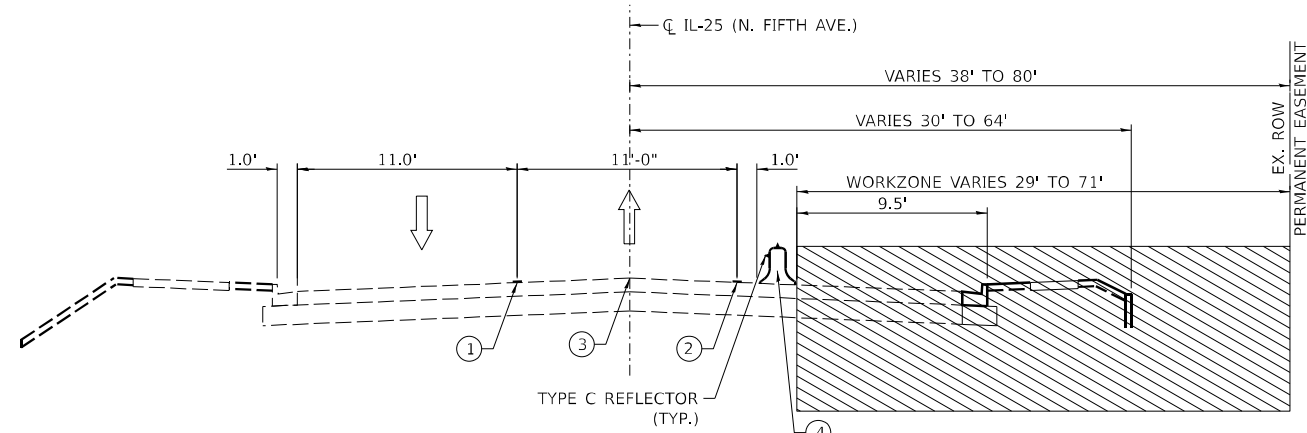
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	9
CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	

ADVANCE SIGNING DETAIL (SOUTH BOUND IL-25)

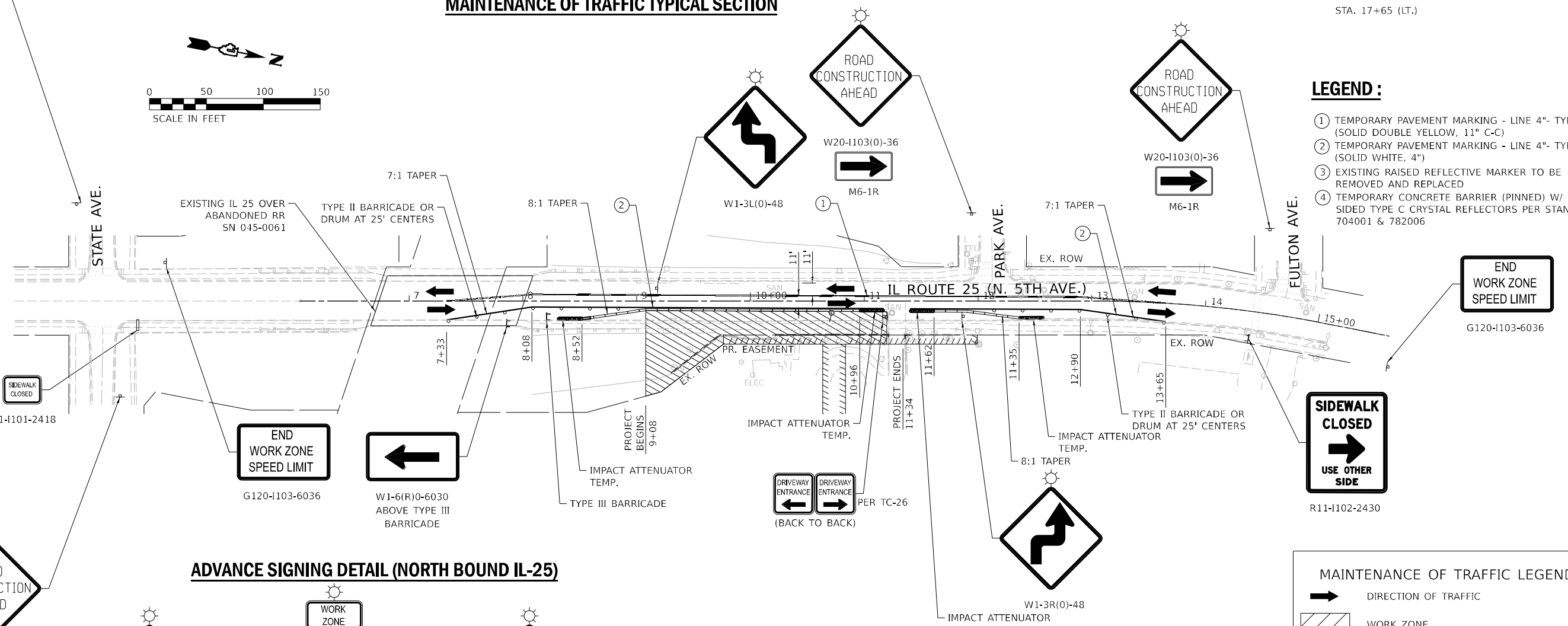
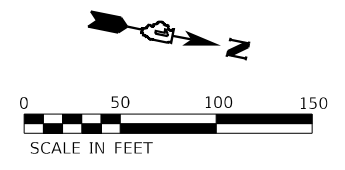


MAINTENANCE OF TRAFFIC TYPICAL SECTION

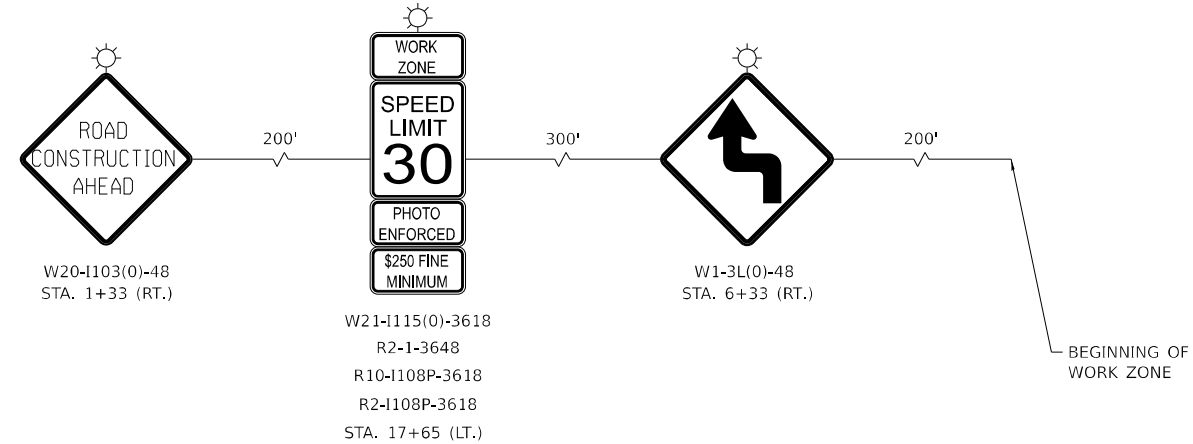


LEGEND :

- ① TEMPORARY PAVEMENT MARKING - LINE 4"- TYPE IV TAPE (SOLID DOUBLE YELLOW, 11" C-C)
- ② TEMPORARY PAVEMENT MARKING - LINE 4"- TYPE 4 TAPE (SOLID WHITE, 4")
- ③ EXISTING RAISED REFLECTIVE MARKER TO BE REMOVED AND REPLACED
- ④ TEMPORARY CONCRETE BARRIER (PINNED) W/ DOUBLE SIDED TYPE C CRYSTAL REFLECTORS PER STANDARDS 704001 & 782006

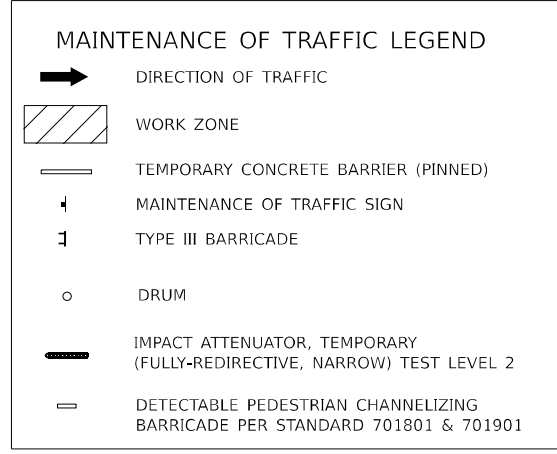


ADVANCE SIGNING DETAIL (NORTH BOUND IL-25)



NOTE :

1. THE CONTRACTOR SHALL PLACE A SIDEWALK CLOSED SIGN (R11-1102-2430) ON TYPE III BARRICADE AT NE QUADRANT OF IL ROUTE 25 AND STATE AVE.
2. DRIVEWAY TO BE KEPT OPEN AT ALL TIMES.



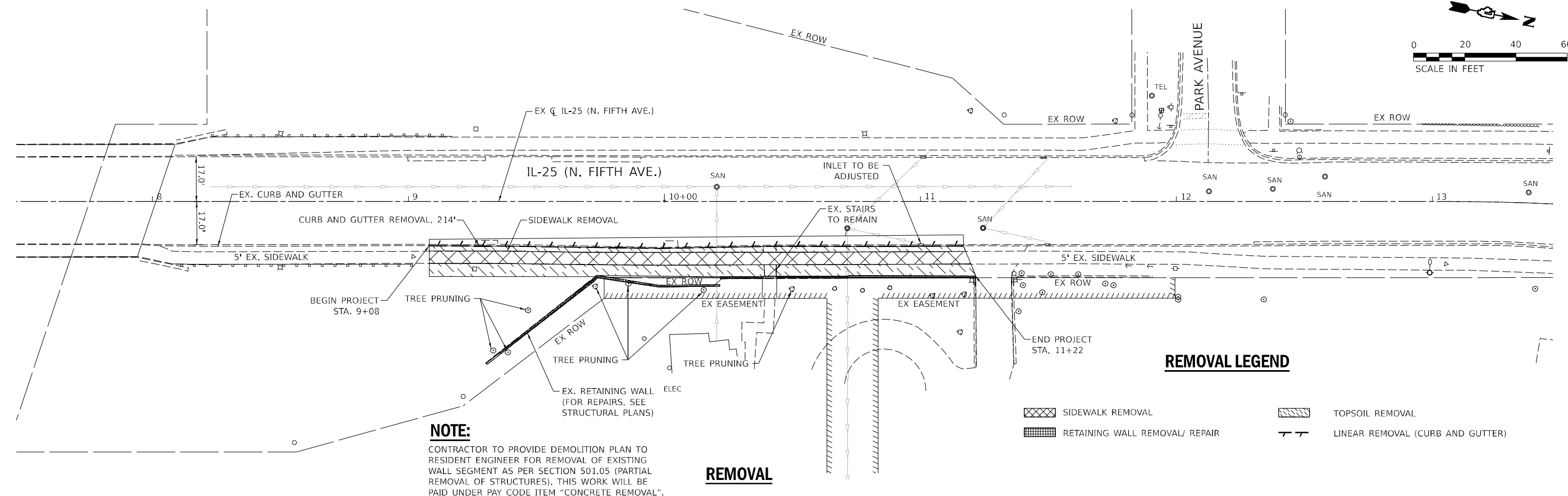
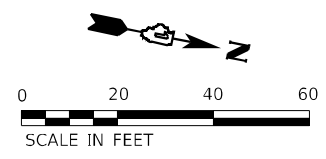
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DESIGNED - NS	DATE - 9/27/2024	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
 MAINTENANCE OF TRAFFIC PLAN**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	10
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

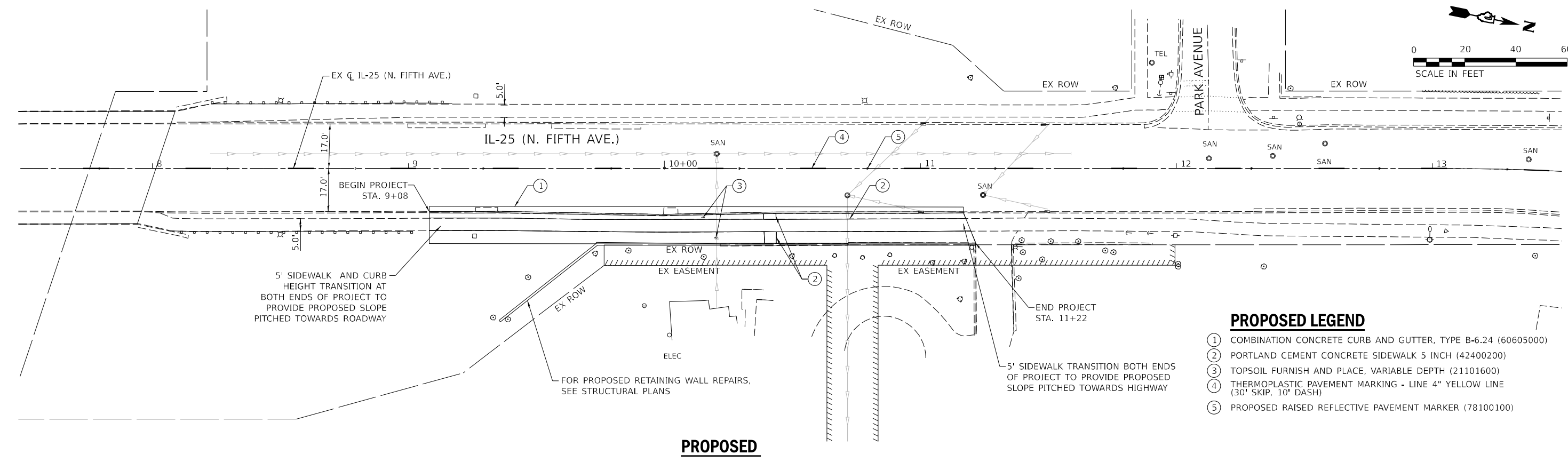
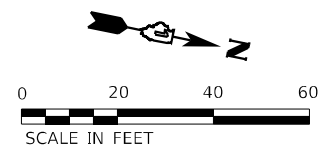


REMOVAL LEGEND

- SIDEWALK REMOVAL
- TOPSOIL REMOVAL
- RETAINING WALL REMOVAL/ REPAIR
- LINEAR REMOVAL (CURB AND GUTTER)

NOTE:
CONTRACTOR TO PROVIDE DEMOLITION PLAN TO RESIDENT ENGINEER FOR REMOVAL OF EXISTING WALL SEGMENT AS PER SECTION 501.05 (PARTIAL REMOVAL OF STRUCTURES). THIS WORK WILL BE PAID UNDER PAY CODE ITEM "CONCRETE REMOVAL".

REMOVAL



PROPOSED LEGEND

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- ② PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- ③ TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH (21101600)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW LINE (30' SKIP, 10' DASH)
- ⑤ PROPOSED RAISED REFLECTIVE PAVEMENT MARKER (78100100)

PROPOSED

MODEL: 4400RELENAME
FILE: 4400RELENAME_SHEETS

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	DATE - 9/27/2024	REVISED - _____

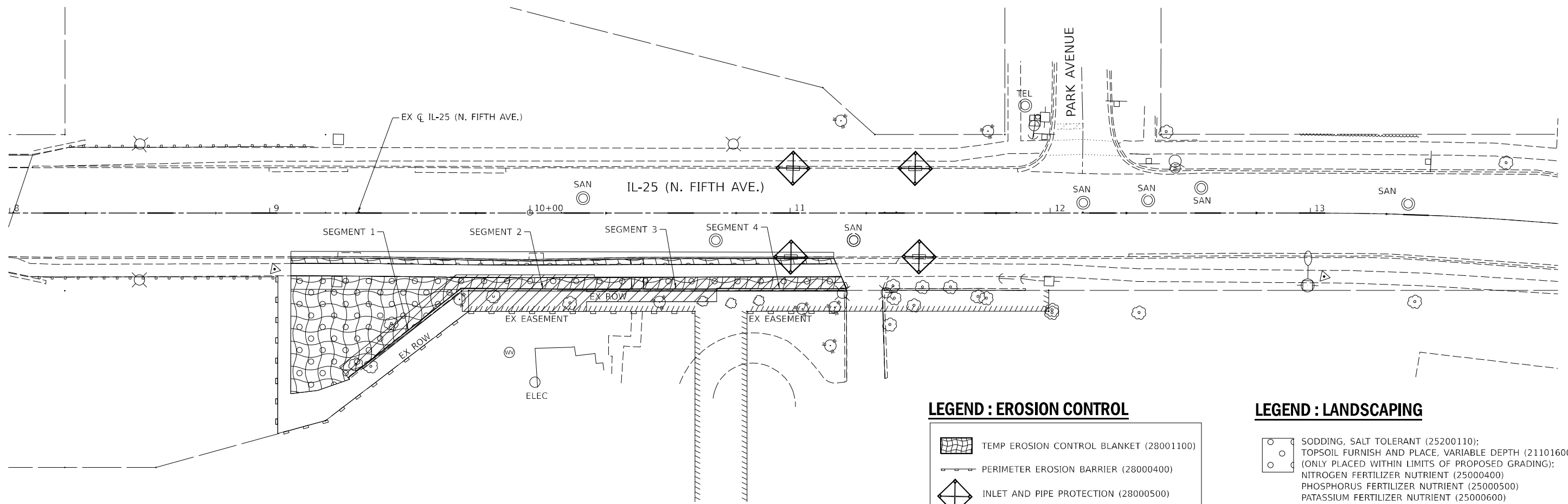
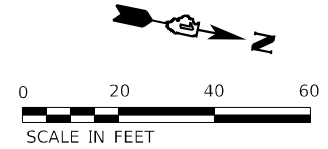
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS ROADWAY REMOVAL AND PROPOSED PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	11
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL GENERAL NOTES :

1. ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT: [HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24-HOUR PERIOD, OR EQUIVALENT SNOWFALL, ADDITIONALLY, DURING WINTER MONTHS, ALL MEASURE SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELTS.
4. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL.
5. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RESIDENT ENGINEER.



LEGEND : EROSION CONTROL

- TEMP EROSION CONTROL BLANKET (28001100)
- PERIMETER EROSION BARRIER (28000400)
- INLET AND PIPE PROTECTION (28000500)
- EXCAVATION AREA

LEGEND : LANDSCAPING

- SODDING, SALT TOLERANT (25200110);
- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH (21101600) (ONLY PLACED WITHIN LIMITS OF PROPOSED GRADING);
- NITROGEN FERTILIZER NUTRIENT (25000400)
- PHOSPHORUS FERTILIZER NUTRIENT (25000500)
- POTASSIUM FERTILIZER NUTRIENT (25000600)

NOTE
 1. EROSION CONTROL ITEMS TO REMAIN IN PLACE UNTIL ALL STAGES OF WORK IN AFFECTED AREA ARE COMPLETED AND GROUND COVER IS ESTABLISHED.

MODEL NUMBER: 62X13
FILE NAME: 62X13

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PLOT DATE = \$DATE\$		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 25 (404 N 5TH AVENUE) - RETAINING WALL REPAIRS
 EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	12
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

BENCH MARK:

Square cut in N. end of Bridge wall ±200' S. of broken Retaining Wall El. 755.16. "X" in Southwest W. side IL 25 ±300' S. of Park Ave. opposite of broken Retaining Wall El. 747.05.

EXISTING STRUCTURE:

The retaining wall was constructed in 1968 under F.A.S. Route 106, 39 Ext. R-VB, Section 32-CS and is a cast-in-place concrete T-wall and approximately 272 feet long which is parallel with the IL Route 25 alignment, comprised of 4 segments which are separated by expansion joints. The wall retains the IL Route 25 embankment and the side adjacent to a residential property located at 404 North 5th Avenue, St. Charles, IL 60174. A permanent construction easement of eight (8) feet wide into residential property is noted in the Agreement recorded with Kane County.

STAGING:

Traffic is to be maintained utilizing staged construction. The road shall remain open to at least one lane of traffic in each direction at all times.

SALVAGE:

No Salvage

HIGHWAY CLASSIFICATION

North Fifth Avenue
 Functional Class: Minor Arterial
 ADT: 8150 (2021); 10,000 (2041)
 ADTT: 410 (2021); 503 (2041)
 DHV: 815 (2021)
 Design Speed: 30 m.p.h.
 Posted Speed: 30 m.p.h.
 Two-Way Traffic
 Directional Distribution: 50:50

DESIGN SPECIFICATIONS

2002 AASHTO Bridge Design Specifications, 17th Edition

DESIGN STRESSES

PROPOSED FIELD UNITS

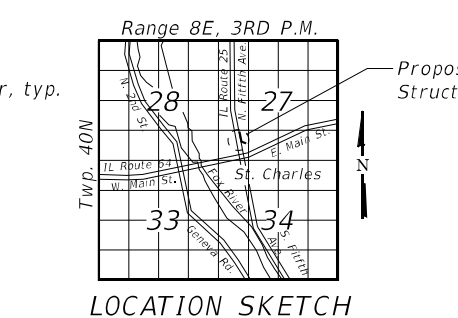
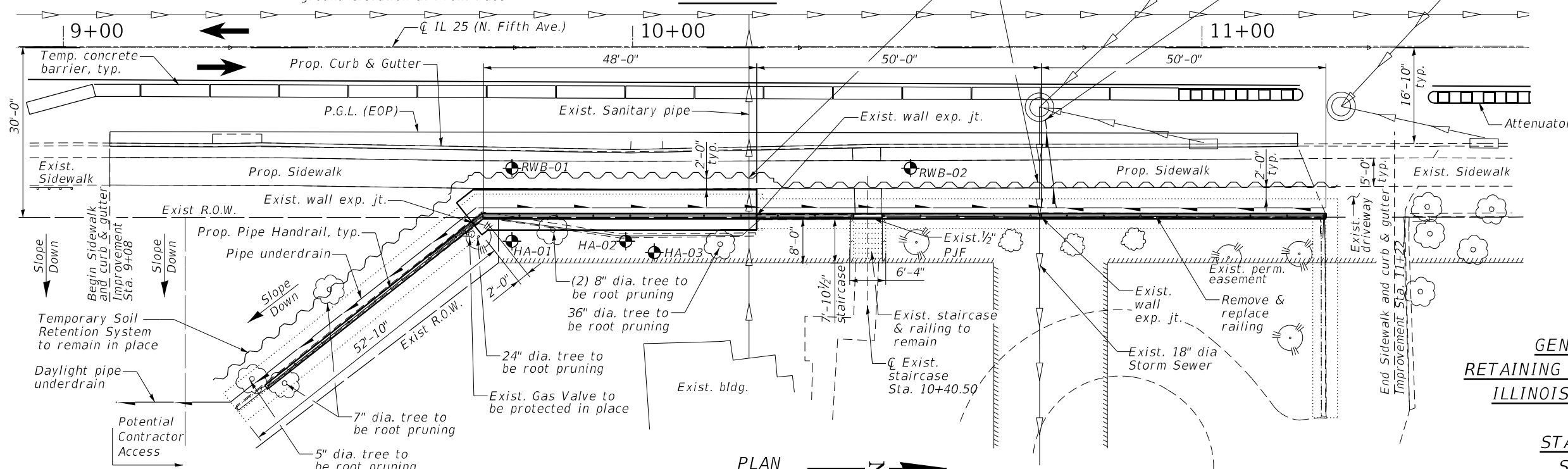
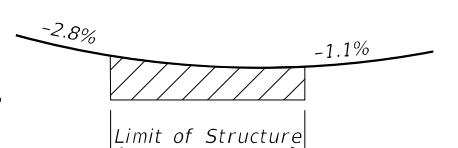
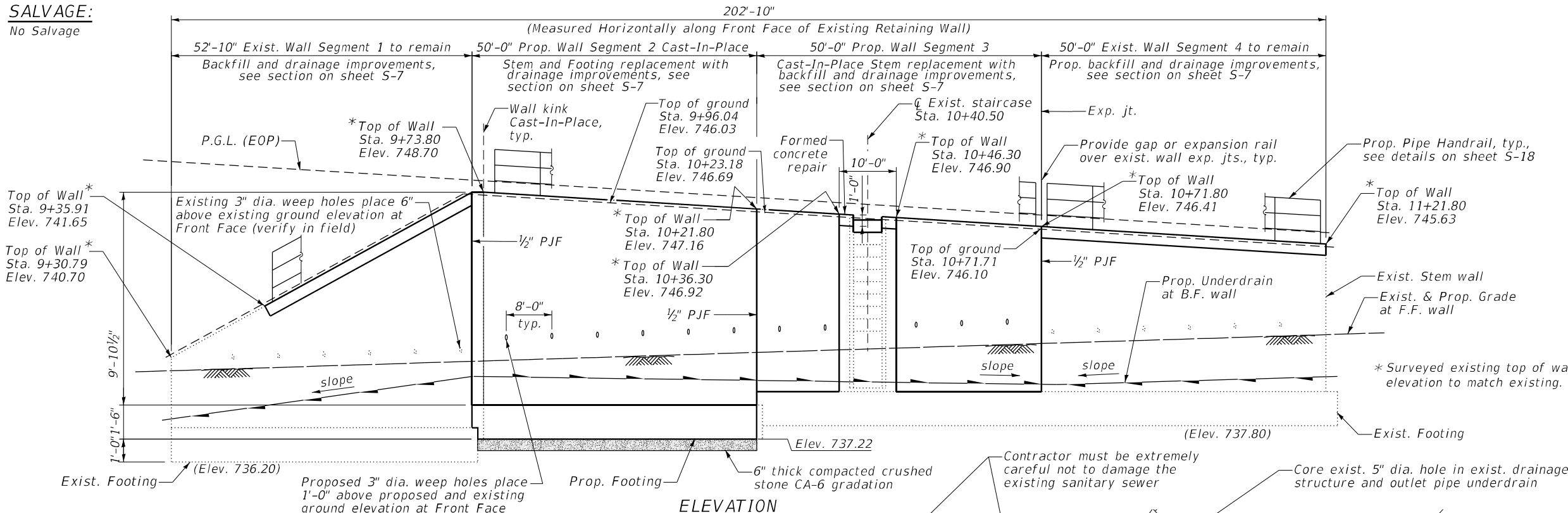
$f'_c = 3,500$ psi, Class SI (Substructure)
 $f_y = 60,000$ psi (Reinforcement)

EXISTING FIELD UNITS

$f'_c = 1,400$ psi (Substructure)
 $f_y = 20,000$ psi (Reinforcement)

CURVE DATA

EXIST. CURVE IL25_E_3
 PI STA. = 14+05.19
 $\Delta = 11^\circ 09' 41''$ (RT)
 $D = 5^\circ 27' 11''$
 $R = 1,050.71'$
 $T = 102.67'$
 $L = 204.68'$
 $E = 5.00'$
 P.C. STA. = 13+02.53
 P.T. STA. = 15+07.21



GENERAL PLAN AND ELEVATION
RETAINING WALL ALONG NB NORTH FIFTH AVE.
ILLINOIS ROUTE 25 SECTION 2024-988-1
KANE COUNTY
STATION 9+28.15 TO 11+23.80
STRUCTURE NO. 045W2307

MODEL: 1409DELNAME
 FILE: NAME: C:\P232010E-W03-62T10-IL-25-Phase 1103A-Design\01_CADD\02_Sheet\11E2X13-01-RVW-GPE.dgn
 DELTA ENGINEERING GROUP, LLC
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USER NAME = rmanuod DESIGNED - NS DRAWN - RM CHECKED - SMK PLOT DATE = 9/26/2024	REVISED - REVISED - REVISED - REVISED -	DATE - 9/27/2024	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS GENERAL PLAN AND ELEVATION	SCALE: SHEET S-1 OF 5-22 SHEETS STA. TO STA.	F.A.S. RTE. 106 SECTION 2024-988-1 COUNTY KANE TOTAL SHEETS 48 SHEET NO. 13 CONTRACT NO. 62X13 ILLINOIS FED. AID PROJECT
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GENERAL NOTES:

1. Plan dimension and details relative to existing plans are subject to nominal construction variations. The contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials, such variations shall not be cause for additional Compensation for a change in scope of the work. However, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. Drilling and grouting of dowel bars will be in accordance with the Article 584 of Standard Specifications. The cost of this work will not be paid separately but shall be included in the contract unit price per cu. yd. for Concrete Structures (Retaining Wall).
3. The contractor shall take care as to not damage footing when erecting the temporary soil retention system.
4. The 1/2" preformed joint filler and sealing compound shall not be paid for separately but shall be included in the contract unit price per cubic yard for Concrete Structures (Retaining Wall).
5. Reinforcement bars designated (E) shall be epoxy coated.
6. For Structure Excavation details, see sheets S-17.
7. The contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge, structure excavation, installation of Temporary Soil Retention System and other loads applied will not have detrimental affects on the adjacent Retaining Wall and Roadway. Any damage to the adjacent Retaining Wall and Roadway during construction shall be repaired by the contractor at no additional cost to the Department.
8. The removal of the existing portions of the retaining wall shown in the plans shall be included in Concrete Removal.
9. For Cored weep hole filter system details, see sheet S-20.
10. The Contractor shall exercise extreme caution during construction to avoid any damage to the existing utilities. Any damage to the existing utilities shall be repaired by the Contractor, to the satisfaction of the Engineer, at no additional cost to the Department. The Contractor shall be responsible for maintaining the normal level of sanitary and sewer service to all affected properties and shall be solely liable for any damages that occur as a result of sewer back-ups.
11. The Contractor must be extremely careful not to damage the existing sanitary sewer while installing and driving the temporary soil retention system. Any damage done to the sanitary sewer lines will be repaired at no additional cost to the Department.

SCOPE OF WORK:

1. Install erosion control fence along 8'-0" easement line to prevent construction debris and sediment from entering the private property.
2. Install Temporary Soil Retention System on the roadway side for segments 1, 2, 3 and 4 to retain the soil due to traffic live load surcharge.
3. Excavate the soil up to the depth shown on the sections for segments 1, 2, 3 and 4 as shown in the cross sections details.
4. Demolish the stem wall of segment 2 that has failed. Suggested procedure is to secure the wall segment with a small crane during demolition.
5. The stem wall of segment 3 must be removed carefully leaving 10'-0" around the existing staircase as shown in the elevation on sheet S-1.
6. The portions of the segment 2 and segment 3 must be removed by saw cutting (where needed) while incorporating the horizontal and vertical reinforcement bars for lap length. Existing reinforcement shall be straightened, cleaned and incorporated into the new portions of the stem and footing.
7. Remove 1'-0" concrete from the top of stem wall which will remain in place such as for segment 1, portion of the segment 3 and segment 4. Existing vertical reinforcement shall be straightened, cleaned and incorporated into the new construction as detailed on sheets S-3, S-6, S-7 and S-8.
8. Drill and Epoxy Grout vertical and horizontal reinforcement in stem and footing as shown in details on plans and according to Section 584 of the Standard Specifications for segments 2 and 3.
9. Reconstruct the removed portions of the Retaining Wall segment 2 and segment 3.
10. Cut the Temporary Soil Retention System to 2'-0" below the top finished surface of the backfill and leave it in place.
11. Protective Coat shall be applied to all the exposed surfaces of the new stem wall and install Geocomposite Wall Drains prior to backfilling.
12. Place and compact the backfill.
13. Core and install new weep holes in the existing retaining wall segments 1 and 4.

INDEX OF SHEETS:

S-1	General Plan and Elevation
S-2	General Notes, Index of Sheets and Bill of Materials
S-3	Reinforcement Details (Segment 1)
S-4	Reinforcement Details (Segment 2)
S-5	Reinforcement Details (Segment 3)
S-6	Reinforcement Details (Segment 4)
S-7 to S-8	Sections and Details
S-9	Temporary Soil Retention System Details (Segment 1)
S-10	Temporary Soil Retention System Details (Segment 2)
S-11	Temporary Soil Retention System Details (Segment 3)
S-12	Temporary Soil Retention System Details (Segment 4)
S-13	Concrete Removal (Segment 1)
S-14	Concrete Removal (Segment 2)
S-15	Concrete Removal (Segment 3)
S-16	Concrete Removal (Segment 4)
S-17	Excavation Sections
S-18	Pipe Handrail Details
S-19	Temporary Soil Retention System and Backfill
S-20	Weep Hole Filter System Details
S-21 & S-22	Soil Borings

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	44
Concrete Structures (Retaining Wall)	Cu Yd	46.7
Geocomposite Wall Drain	Sq Yd	150
Granular Backfill for Structures	Cu Yd	260
Pipe Handrail	Foot	186
Protective Coat	Sq Yd	103
Reinforcement Bars, Epoxy Coated	Pound	4921
Structure Excavation	Cu Yd	439
Temporary Soil Retention System (To Remain in Place)	Sq Ft	1570
Weep Holes Cored	Each	12

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DELTA ENGINEERING GROUP, LLC
 CIVIL, STRUCTURAL, CONSTRUCTION MANAGERS, SURVEYORS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

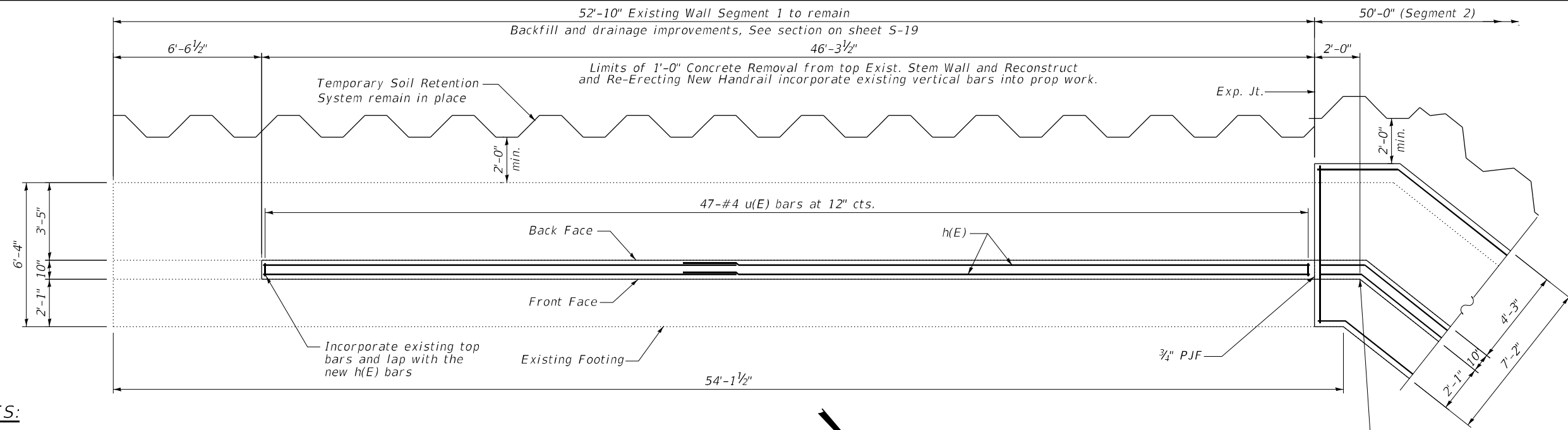
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
GENERAL NOTES, INDEX OF SHEETS AND BILL OF MATERIAL

SCALE: SHEET S-2 OF 5-22 SHEETS STA. TO STA.

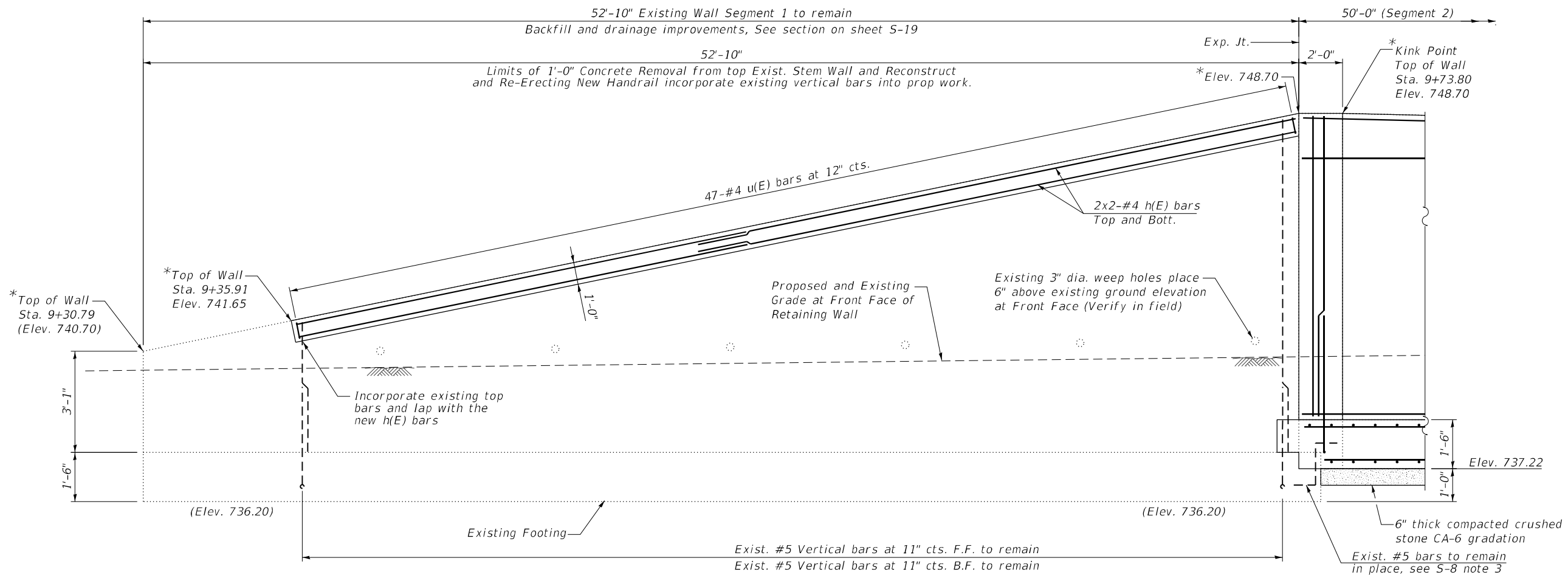
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106	2024-988-I	KANE	48	14
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System, See sheets S-9 and S-17.
3. Epoxy grout n(E) bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost included with Reinforcement Bars, Epoxy Coated.
4. For Typical Sections and Bill of Materials, See S-8.

FOOTING PLAN



WALL ELEVATION

*Surveyed existing Top of Wall elevation to match existing.

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DELTA ENGINEERING GROUP, LLC
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

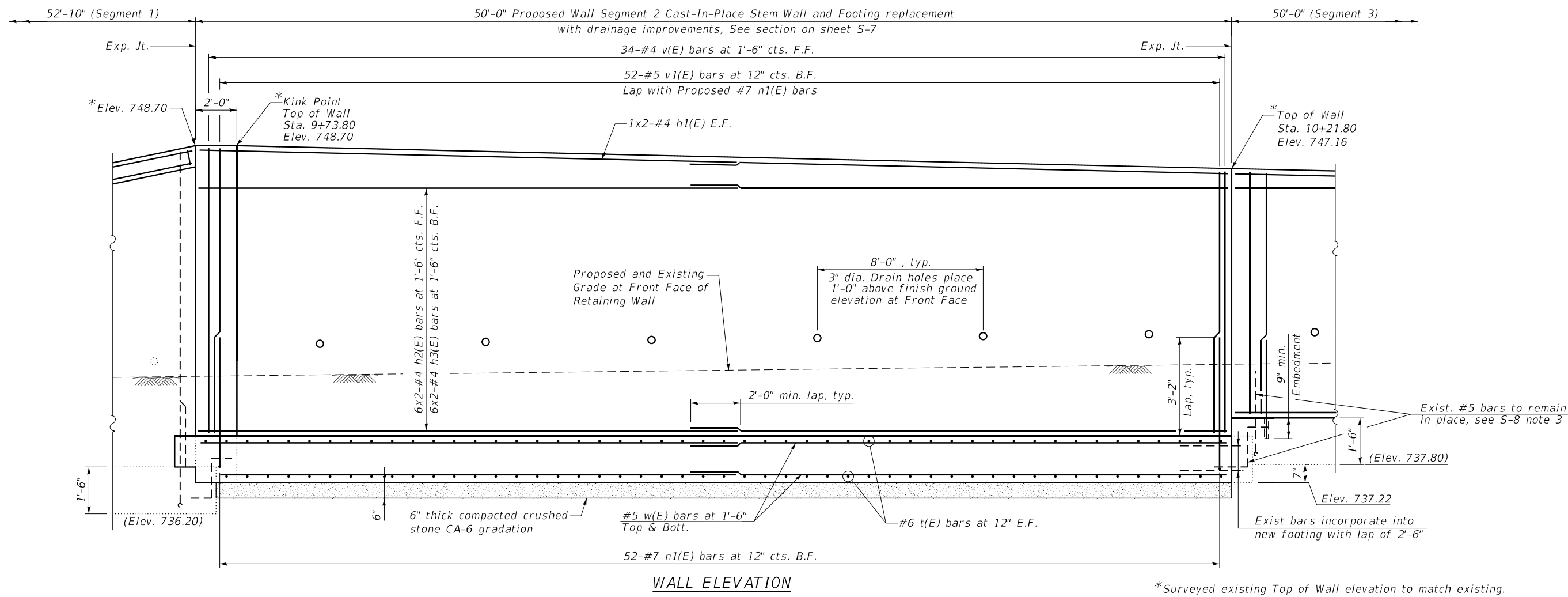
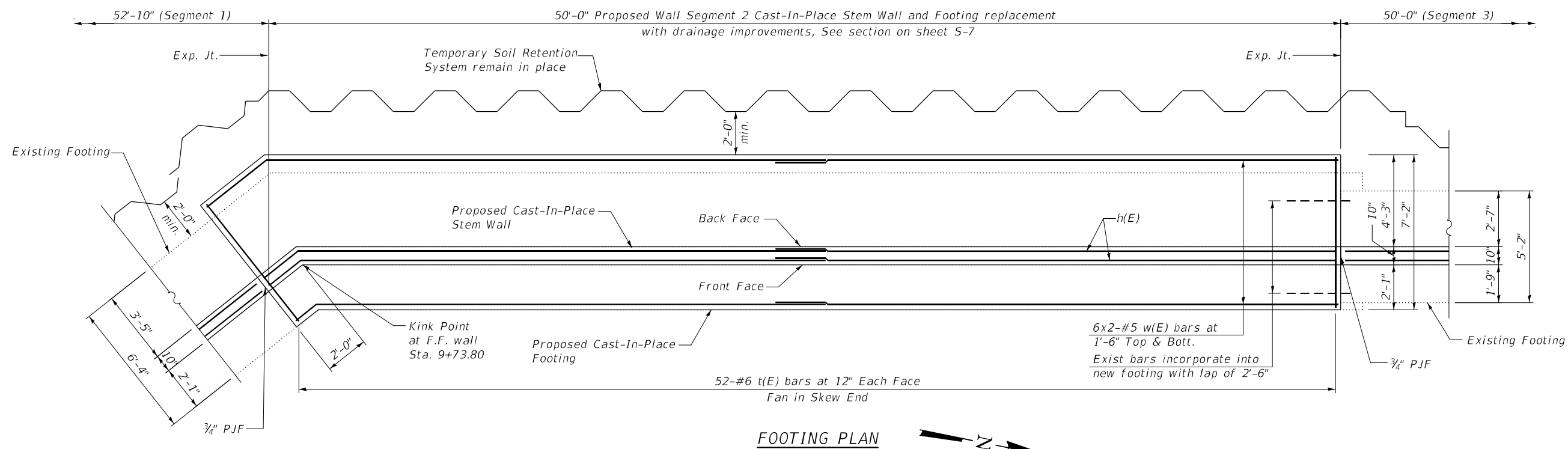
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SEGMENT 1)

SCALE: SHEET S-3 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	15
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



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 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

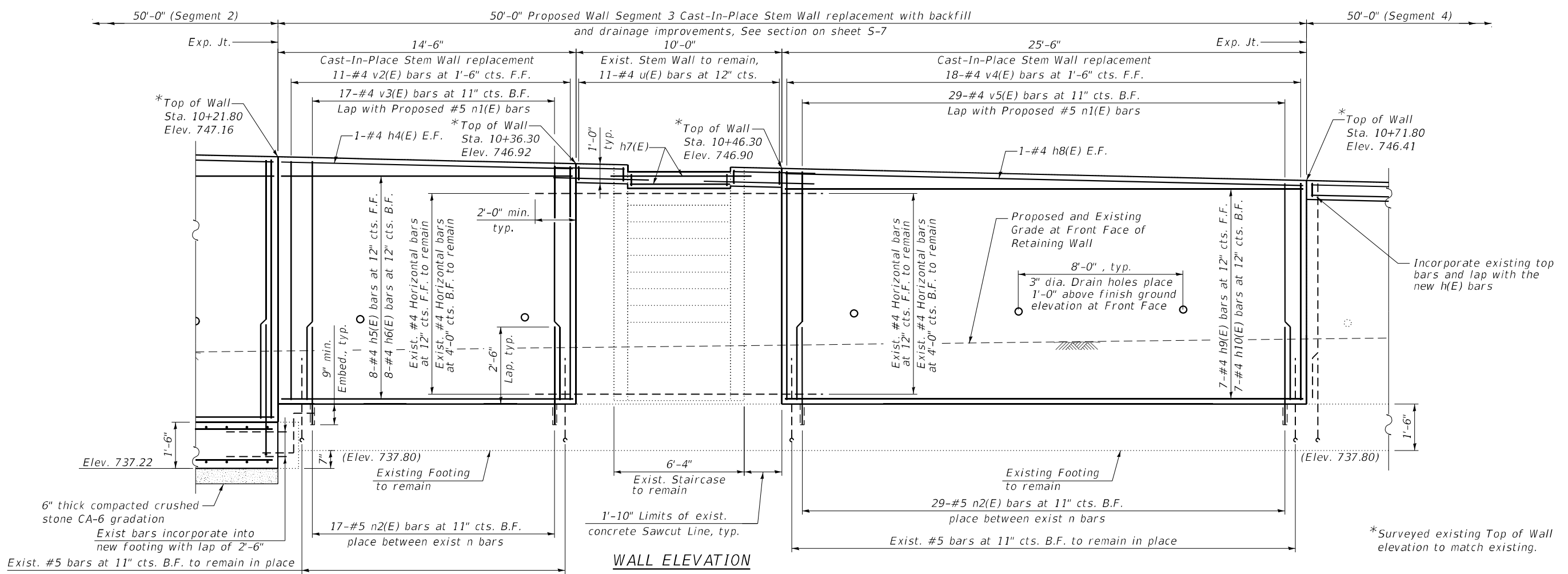
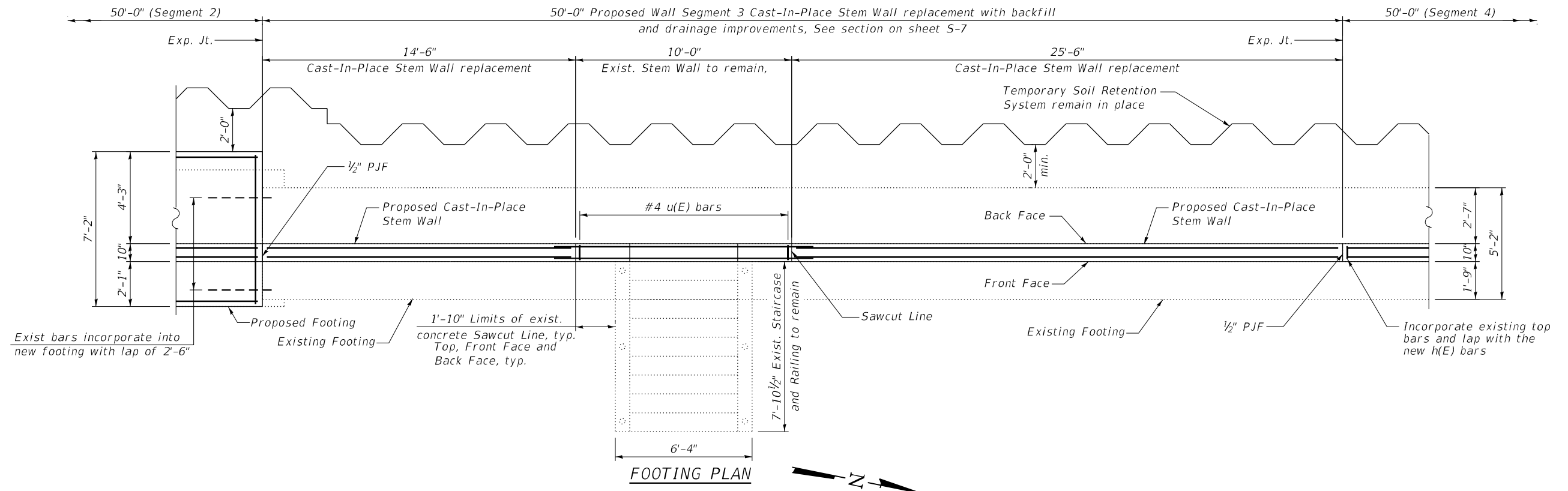
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DATE - 8/8/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SEGMENT 2)

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	16
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 5-4 OF 5-22 SHEETS STA. TO STA.



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 DELTA ENGINEERING GROUP, L.L.C.
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

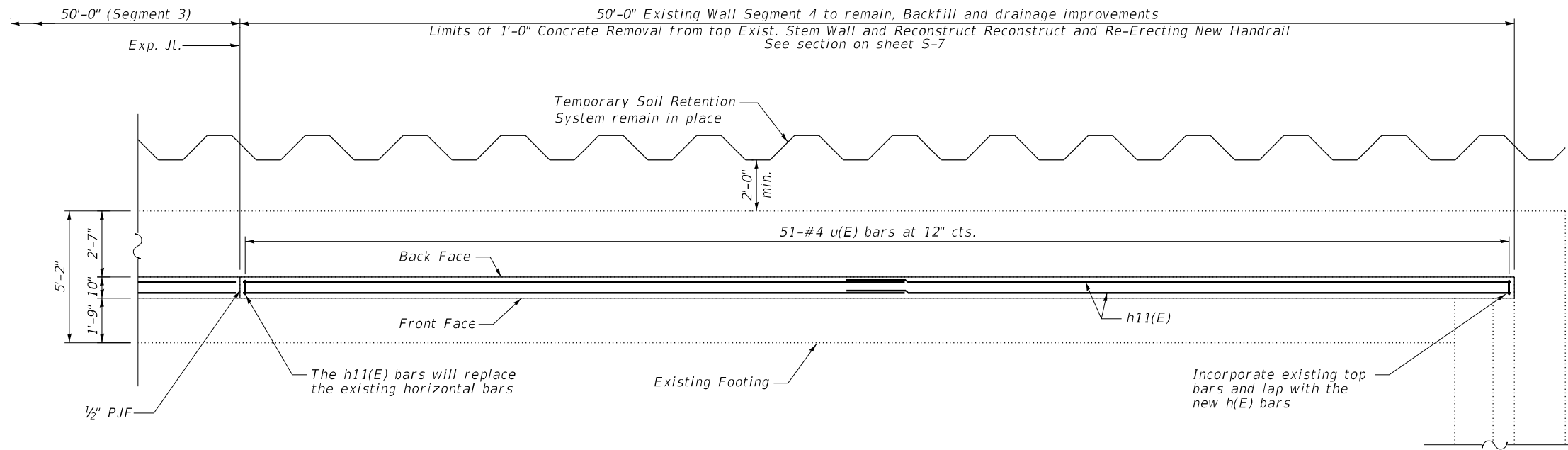
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STATE OF ILLINOIS
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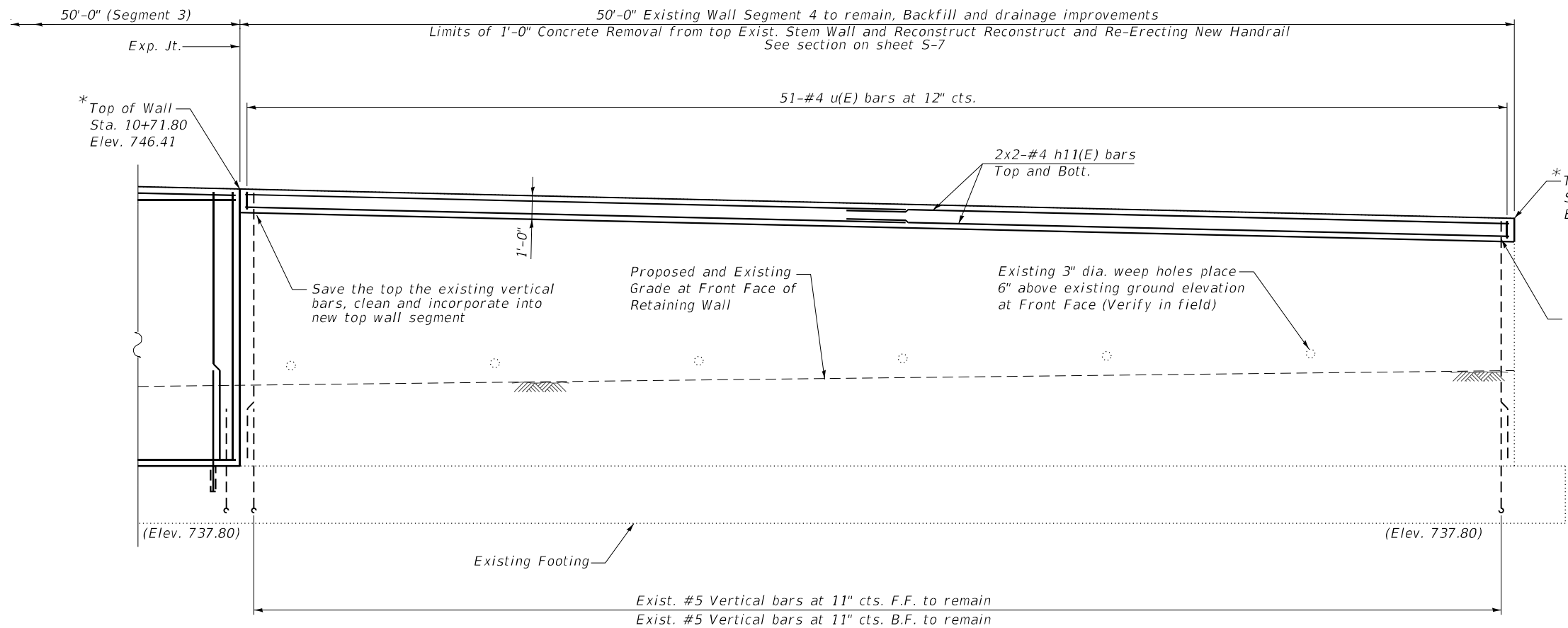
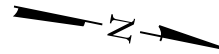
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REINFORCEMENT DETAILS (SEGMENT 3)

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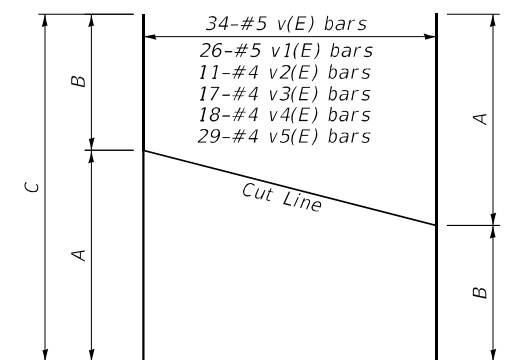
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CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



FOOTING PLAN



WALL ELEVATION



BAR CUTTING DIAGRAM

Bar	A	B	C
v(E)	9'-9"	8'-2"	17'-11"
v1(E)	9'-9"	8'-2"	17'-11"
v2(E)	7'-7"	7'-4"	14'-11"
v3(E)	7'-7"	7'-4"	14'-11"
v4(E)	7'-4"	6'-10"	14'-2"
v5(E)	7'-4"	6'-10"	14'-2"

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System, See Sheet S-9 and S-17.
3. Epoxy grout n(E) bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost of bars included with Reinforcement Bars, Epoxy coated. Cost of drilling and grouting included in Concrete Structures (Retaining Wall).
4. The #5 existing dowel bars must be protected during the existing stem wall removal, straightened, cleaned and incorporated into the new stem wall. Cost included with Concrete Removal.
5. If the existing #5 dowel bars are damaged by the contractor's operation during the stem wall removal, a new #5 dowel bar shall be drilled next to the existing dowel bar with the proper embedment at no additional cost to the Department.
6. Existing #5 dowel bars shall be inspected after concrete removal. Bars exhibiting more than 20% Section loss shall be replaced.
7. For Typical Sections and Bill of Materials, See sheet S-8.

*Surveyed existing Top of Wall elevation to match existing.

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 111 W JACKSON BLVD, SUITE 910
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 T 312.377.7700, F 312.427.6145

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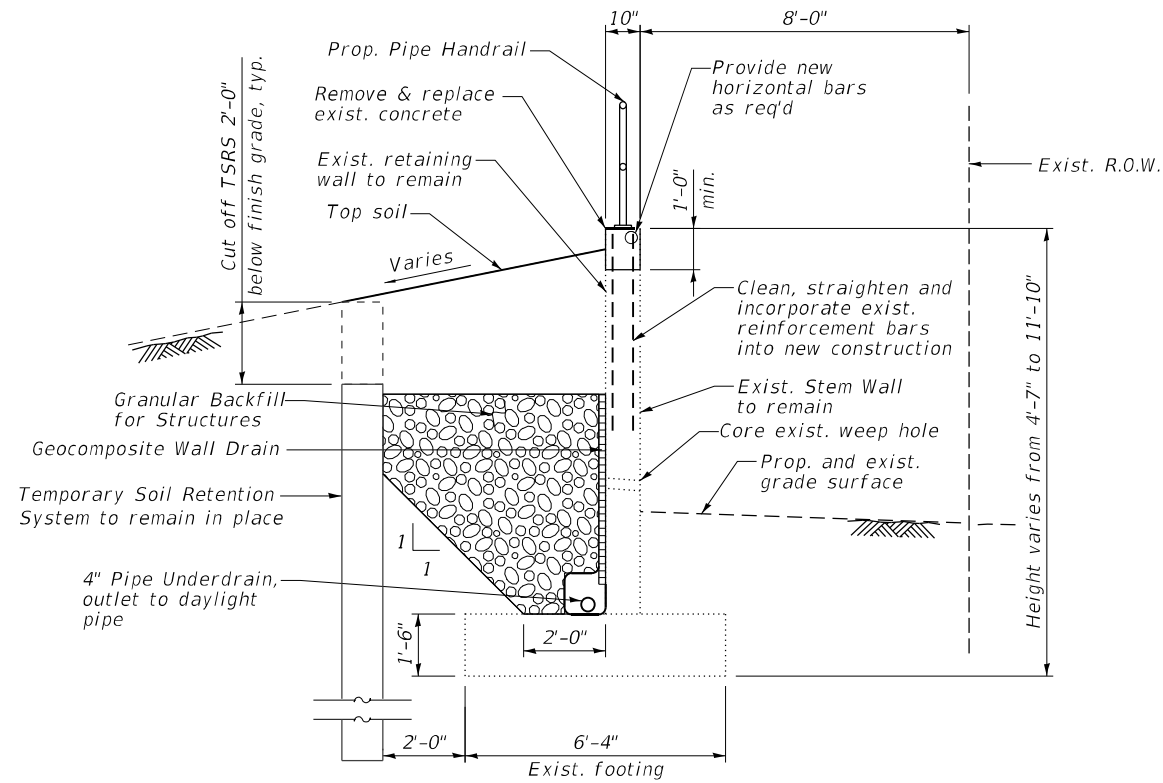
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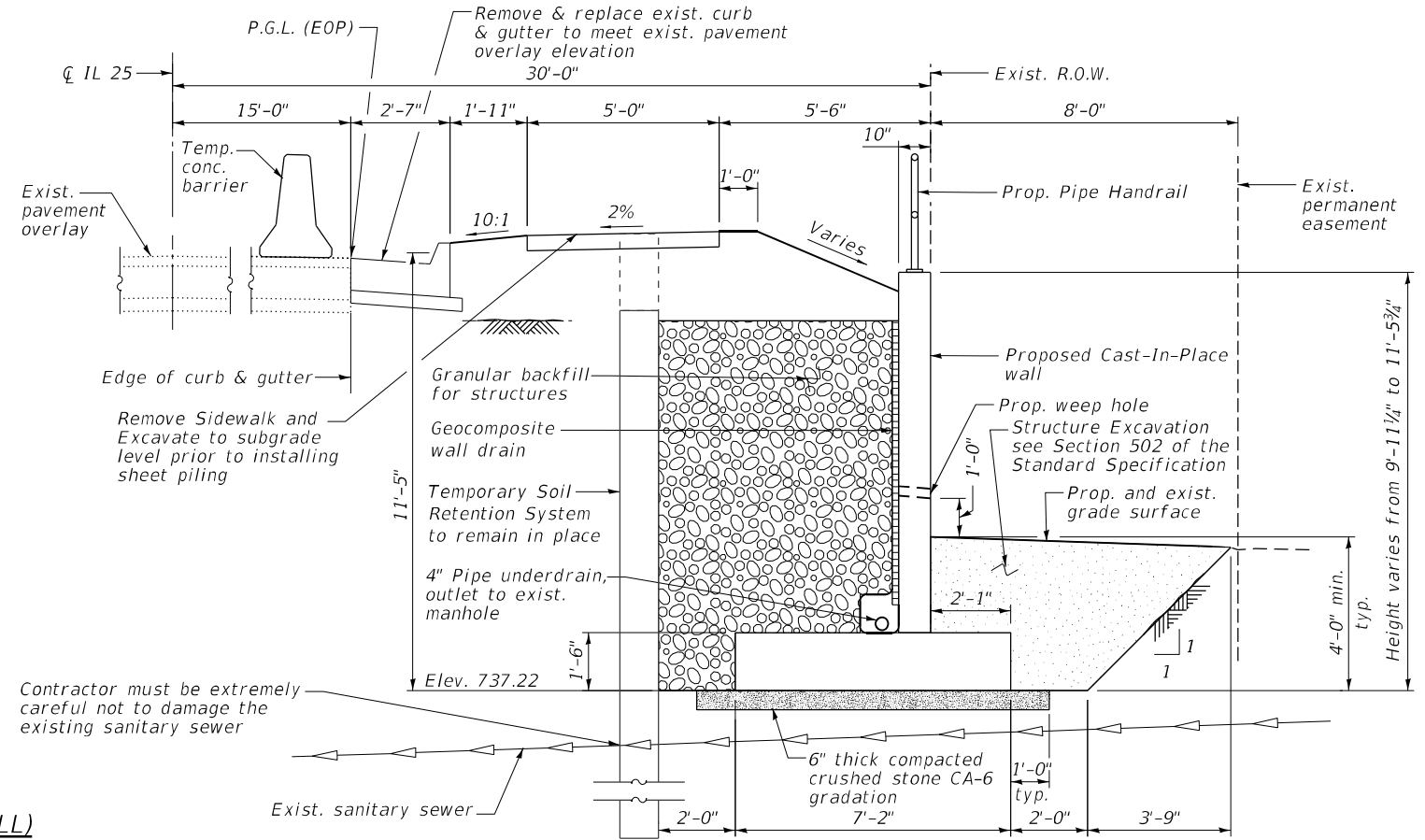
IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SEGMENT 4)

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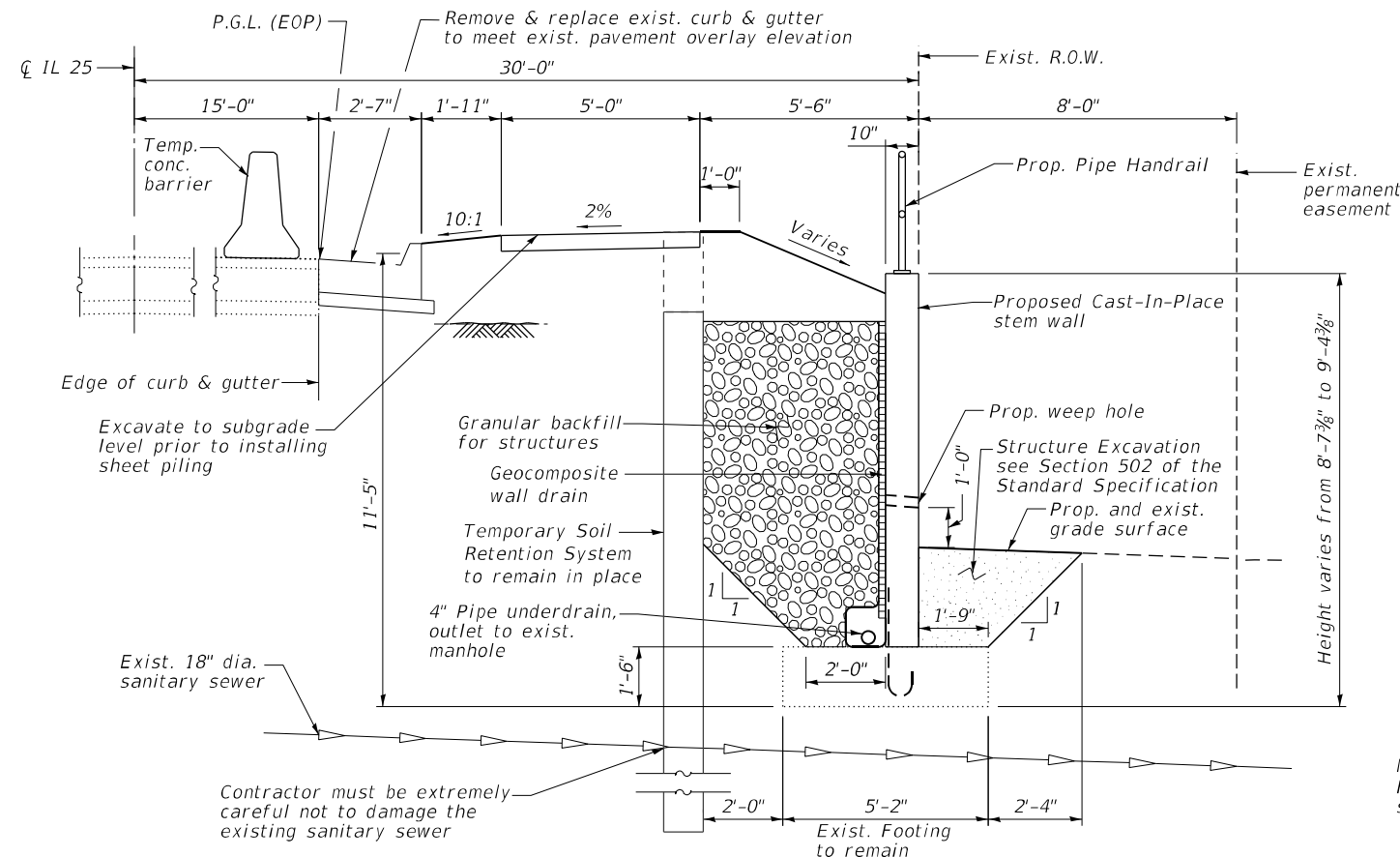
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CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



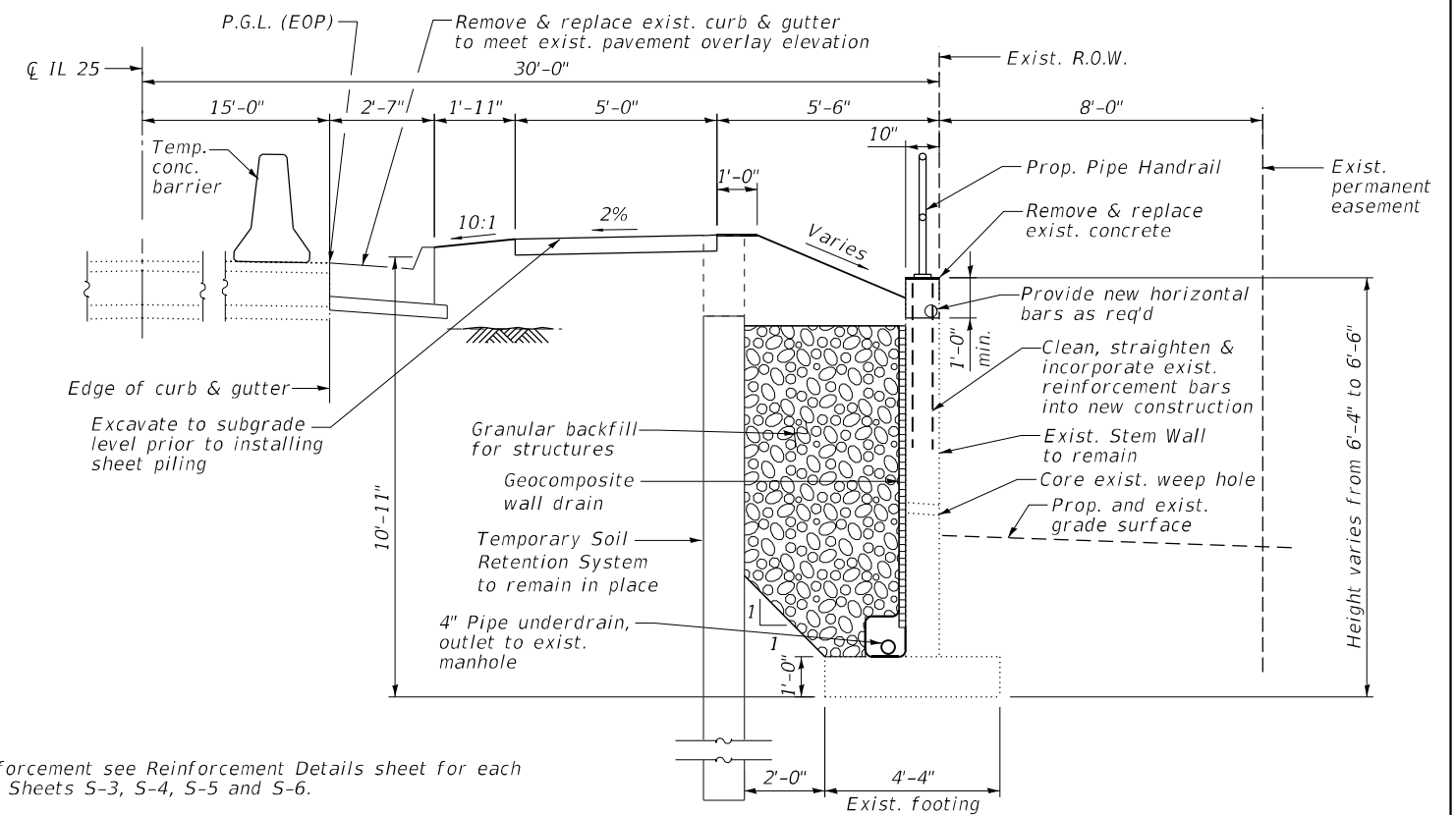
SEGMENT 1 SECTION THRU WALL (DRAINAGE IMPROVEMENTS AND GRANULAR BACKFILL)



SEGMENT 2 SECTION THRU WALL (FOOTING AND STEM WALL REPLACEMENT)



SEGMENT 3 SECTION THRU WALL (STEM WALL REPLACEMENT)



SEGMENT 4 SECTION THRU WALL (DRAINAGE IMPROVEMENTS AND GRANULAR BACKFILL)

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 DELTA ENGINEERING GROUP, LLC
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

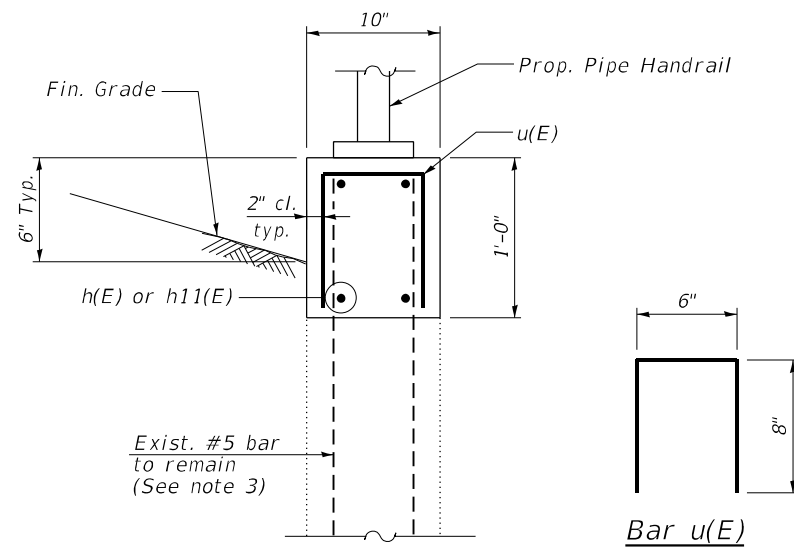
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
SECTIONS AND DETAILS

SCALE: SHEET S-7 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE. 106	SECTION 2024-988-I	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 19
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



SECTION DETAILS (SEGMENT 1 AND 4)

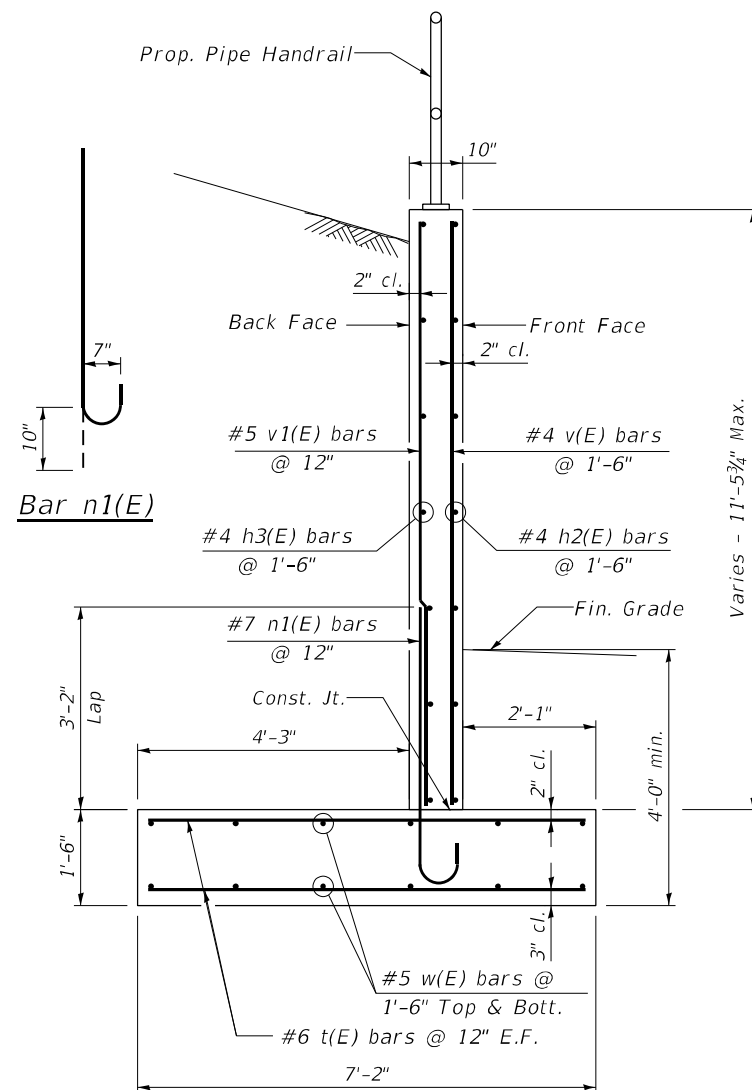
BILL OF MATERIAL (SEGMENT 1 AND 4)

Mark	No.	Size	Length	Shape
h(E)	8	#4	24'-10"	—
h11(E)	8	#4	26'-8"	—
u(E)	98	#4	1'-10"	U

Total weight of reinforcement bars for Segment 1 and 4 = 396 lbs.

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Epoxy grout all n2(E) bars according to Section 584 of the Standard Specifications. Drill to miss existing reinforcement. Cost included with reinforcement bars, Epoxy coated.
3. Existing reinforcement shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal
4. Refer the details on sheet S-20 for Weep Holes Cored with filter system.
5. See Sheet S-6 for Bar Cutting Diagram.

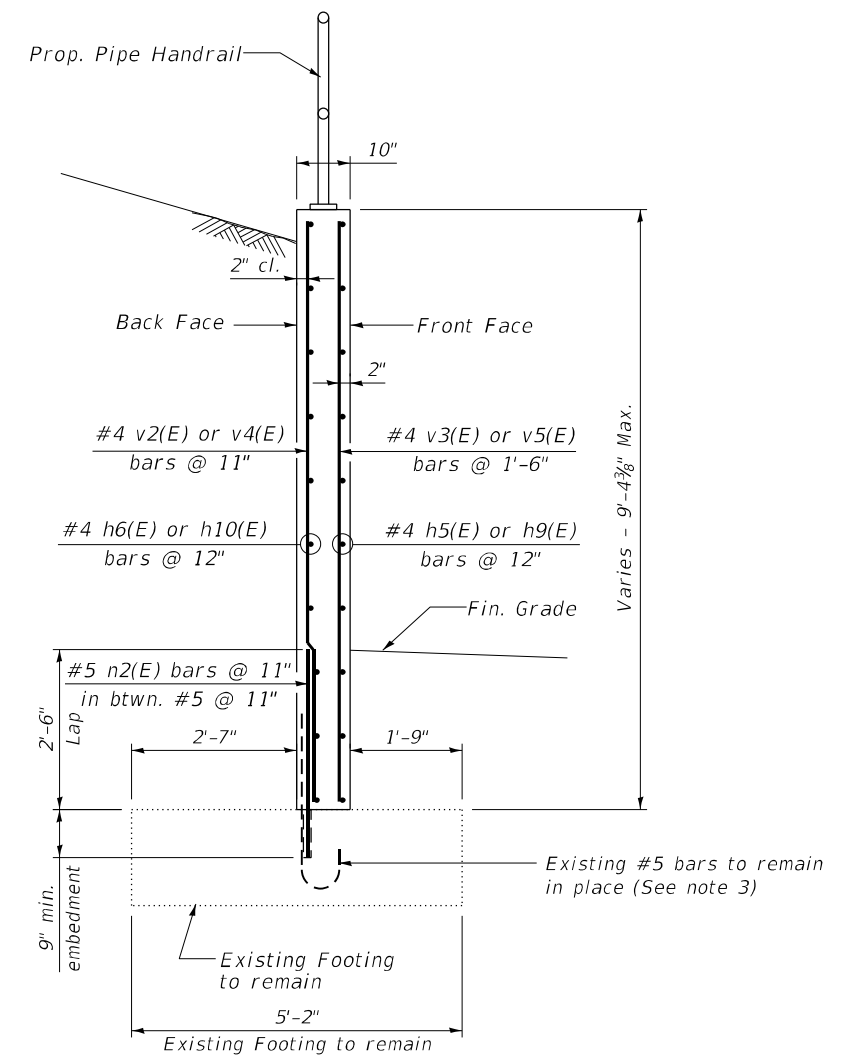


SECTION DETAILS (SEGMENT 2)

BILL OF MATERIAL (SEGMENT 2)

Mark	No.	Size	Length	Shape
h1(E)	4	#4	26'-9"	—
h2(E)	12	#4	26'-8"	—
h3(E)	12	#4	26'-8"	—
n1(E)	52	#7	5'-3"	U
v(E)	34	#4	17'-11"	—
v1(E)	26	#5	17'-11"	—
t(E)	52	#6	6'-8"	—
w(E)	24	#5	26'-9"	—

Total weight of reinforcement bars for Segment 2 is 3143 lbs.



SECTION DETAILS (SEGMENT 3)

BILL OF MATERIAL (SEGMENT 3)

Mark	No.	Size	Length	Shape
h4(E)	2	#4	14'-3"	—
h5(E)	8	#4	14'-2"	—
h6(E)	8	#4	14'-2"	—
h7(E)	4	#4	14'-0"	—
h8(E)	2	#4	25'-3"	—
h9(E)	7	#4	25'-2"	—
h10(E)	7	#4	25'-2"	—
n2(E)	46	#5	3'-3"	U
v2(E)	11	#4	14'-11"	—
v3(E)	17	#4	14'-11"	—
v4(E)	18	#4	14'-2"	—
v5(E)	29	#4	14'-2"	—
u(E)	11	#5	1'-10"	U

Total weight of reinforcement bars for Segment 3 is 1382 lbs.

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 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = rmanuod
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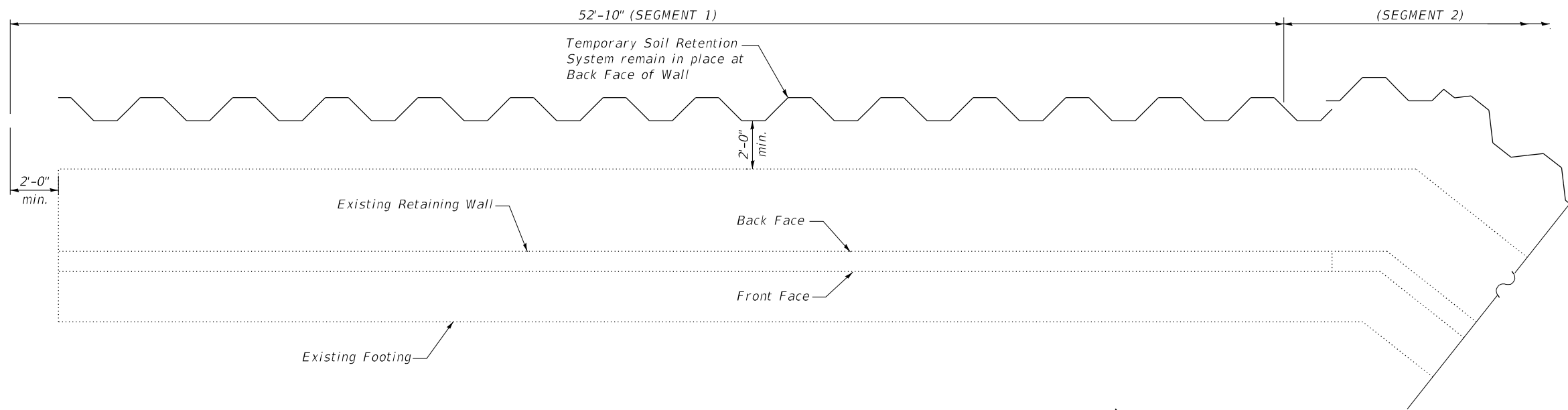
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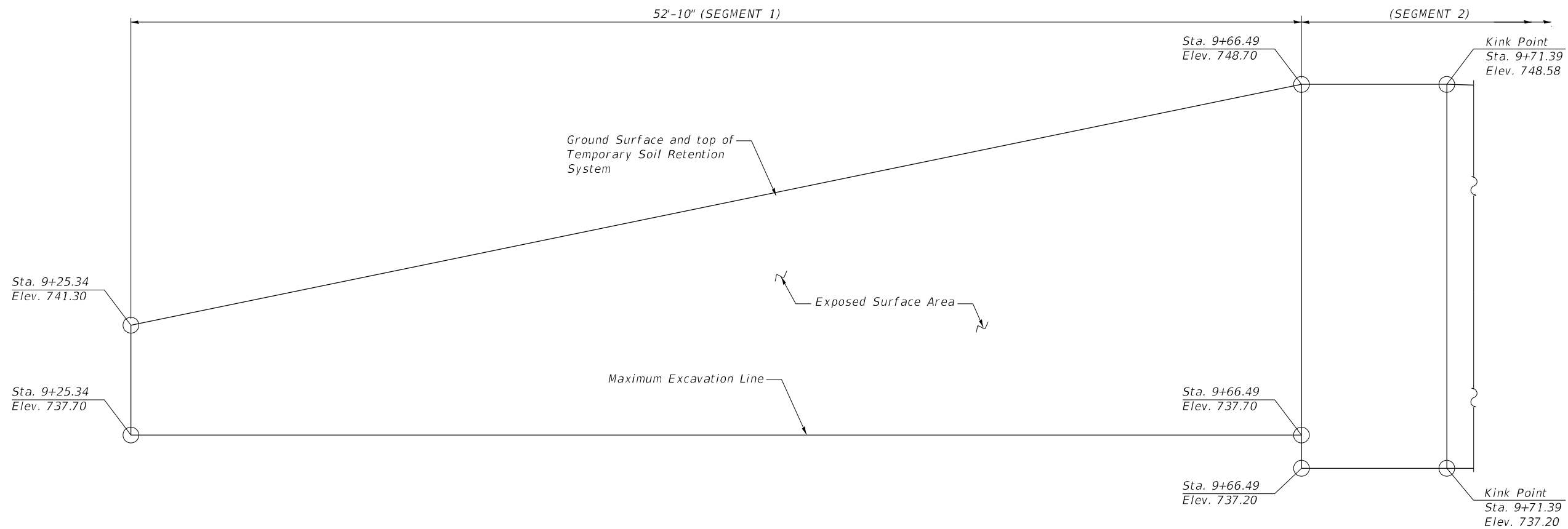
IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
 SECTIONS AND DETAILS

SCALE: SHEET S-8 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	20
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



TEMPORARY SOIL RETENTION SYSTEM PLAN AT BACK FACE WALL (SEGMENT 1)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT BACK FACE WALL (SEGMENT 1)

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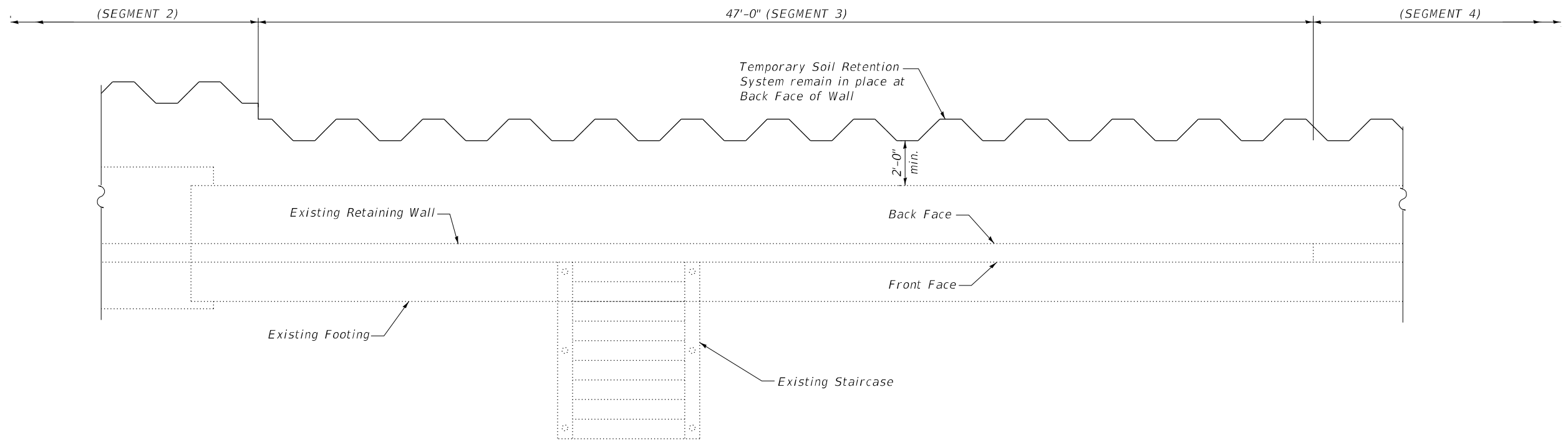
DELTA ENGINEERING GROUP, LLC <small>CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS, SURVEYORS</small> 111 W JACKSON BLVD, SUITE 910 CHICAGO, IL 60604 T 312.377.7700, F 312.427.6145	USER NAME = rmanucod DESIGNED - NS DRAWN - RM CHECKED - SMK PLOT DATE = 8/19/2024	REVISED - REVISED - REVISED - REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

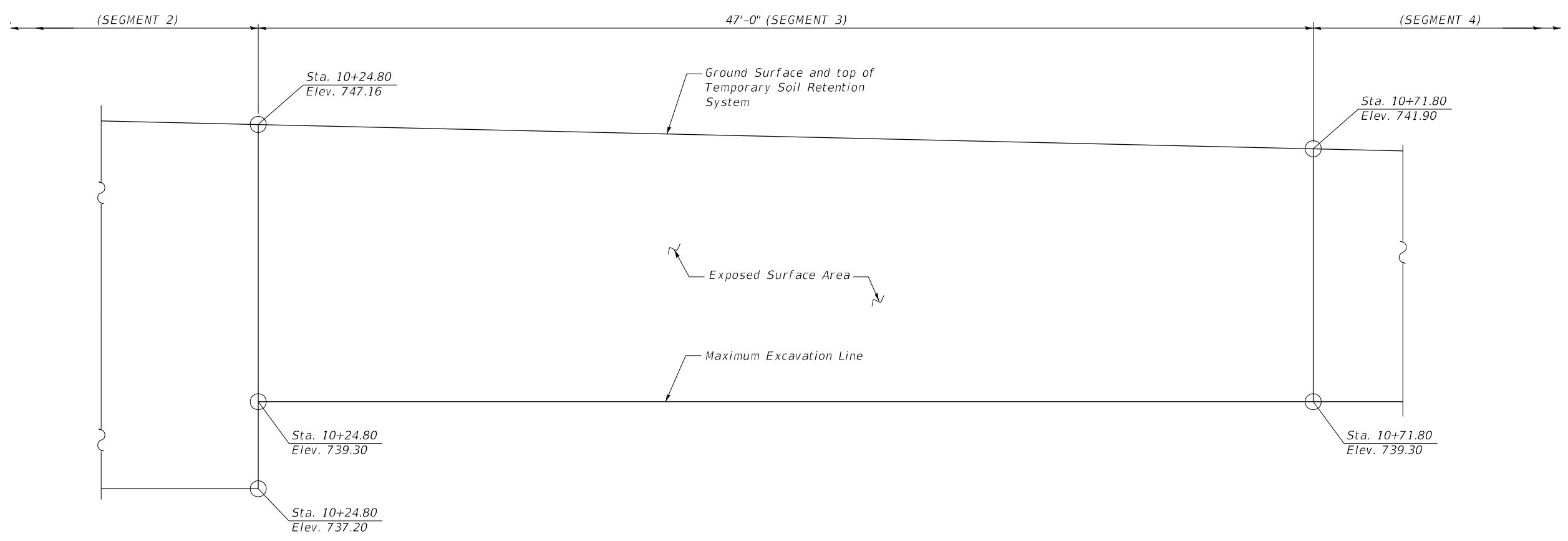
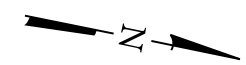
IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
TEMPORARY SOIL RETENTION SYSTEM DETAILS (SEGMENT 1)

SCALE: SHEET 5-9 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	21
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



TEMPORARY SOIL RETENTION SYSTEM PLAN AT BACK FACE WALL (SEGMENT 3)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT BACK FACE WALL (SEGMENT 3)

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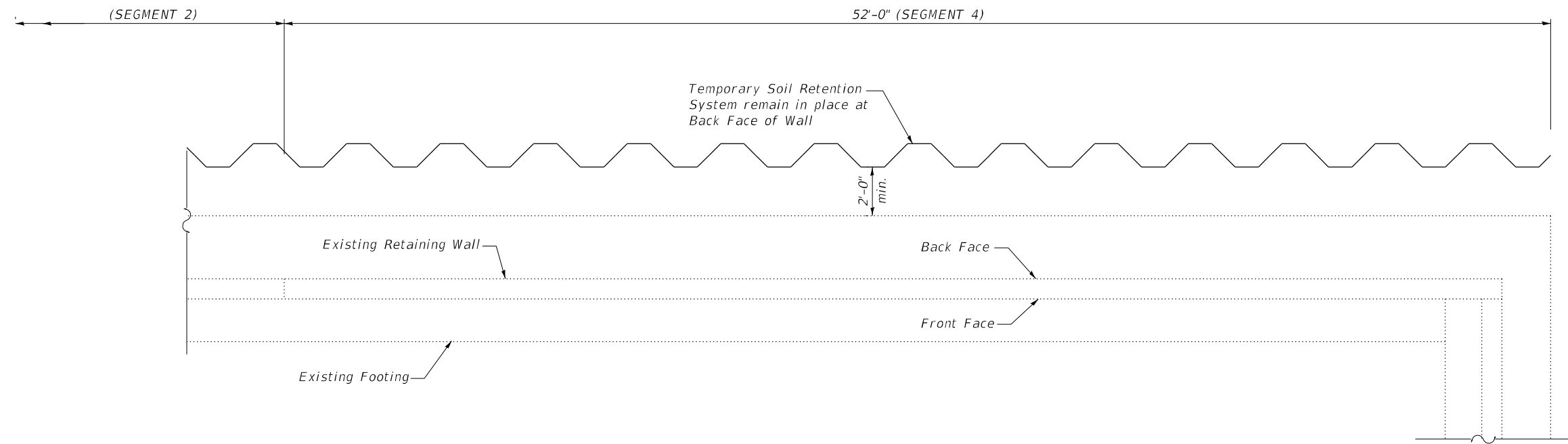
DELTA ENGINEERING GROUP, LLC
 CIVIL ENGINEERS, ARCHITECTS, ENVIRONMENTAL ENGINEERS, SURVEYORS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
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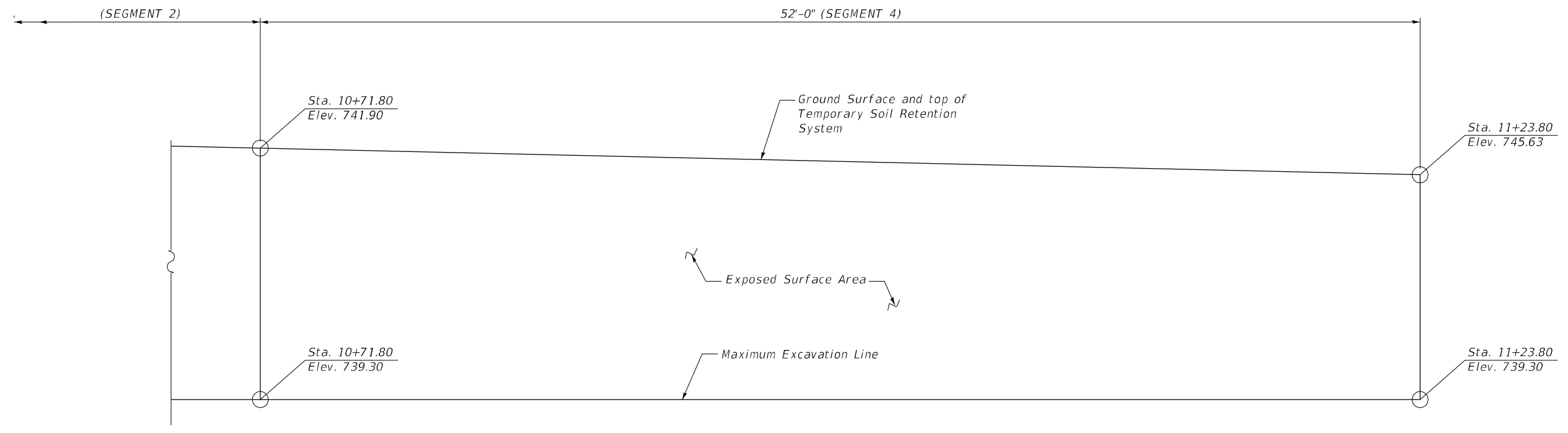
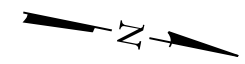
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS TEMPORARY SOIL RETENTION SYSTEM DETAILS (SEGMENT 3)	
SCALE:	SHEET 5-11 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	23
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



TEMPORARY SOIL RETENTION SYSTEM PLAN AT BACK FACE WALL (SEGMENT 4)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT BACK FACE WALL (SEGMENT 4)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Temporary Soil Retention System (To Remain in Place)	Sq Ft	1570

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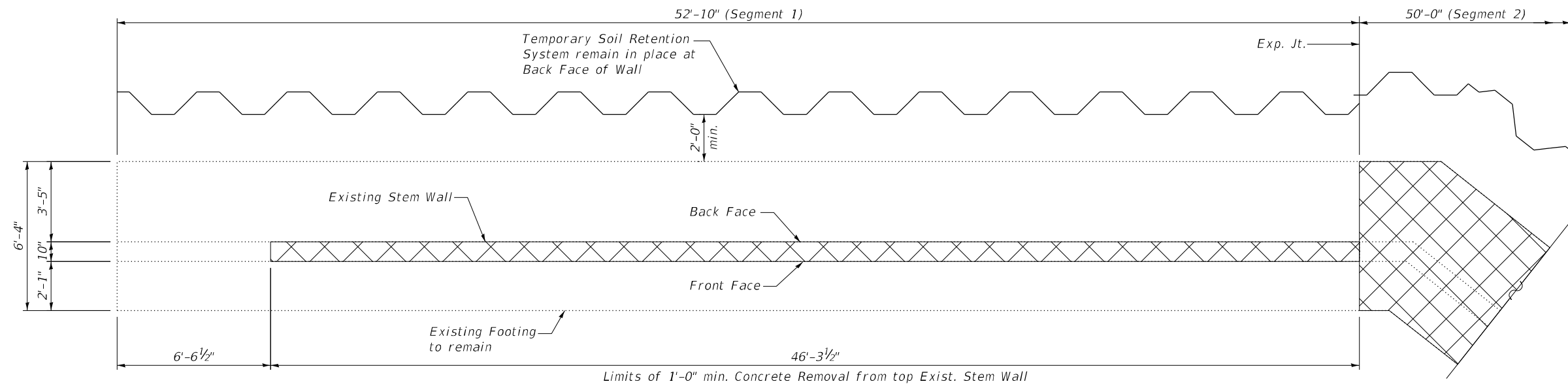
DELTA ENGINEERING GROUP, LLC
 CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

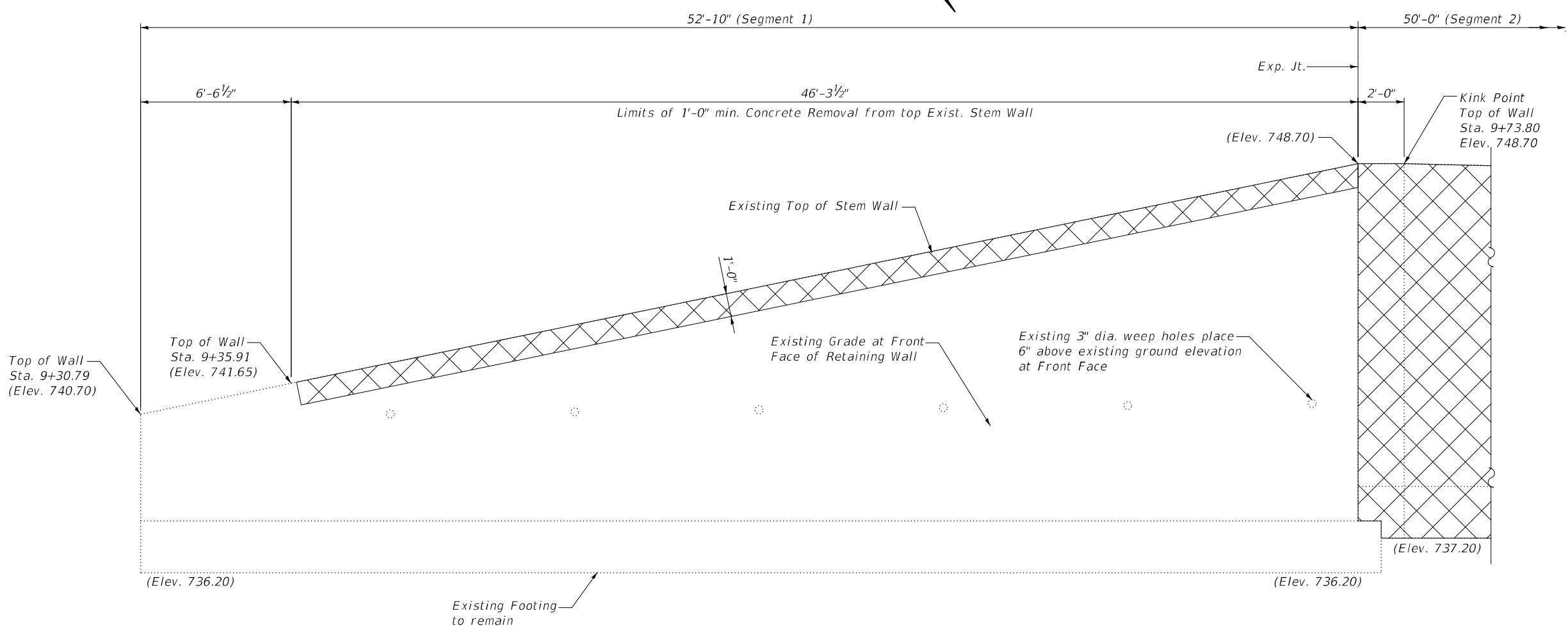
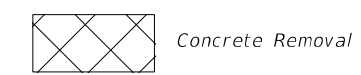
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TEMPORARY SOIL RETENTION SYSTEM DETAILS (SEGMENT 4)
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	24
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



REMOVAL PLAN

LEGEND:



REMOVAL ELEVATION

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DELTA ENGINEERING GROUP, LLC
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 111 W JACKSON BLVD, SUITE 910
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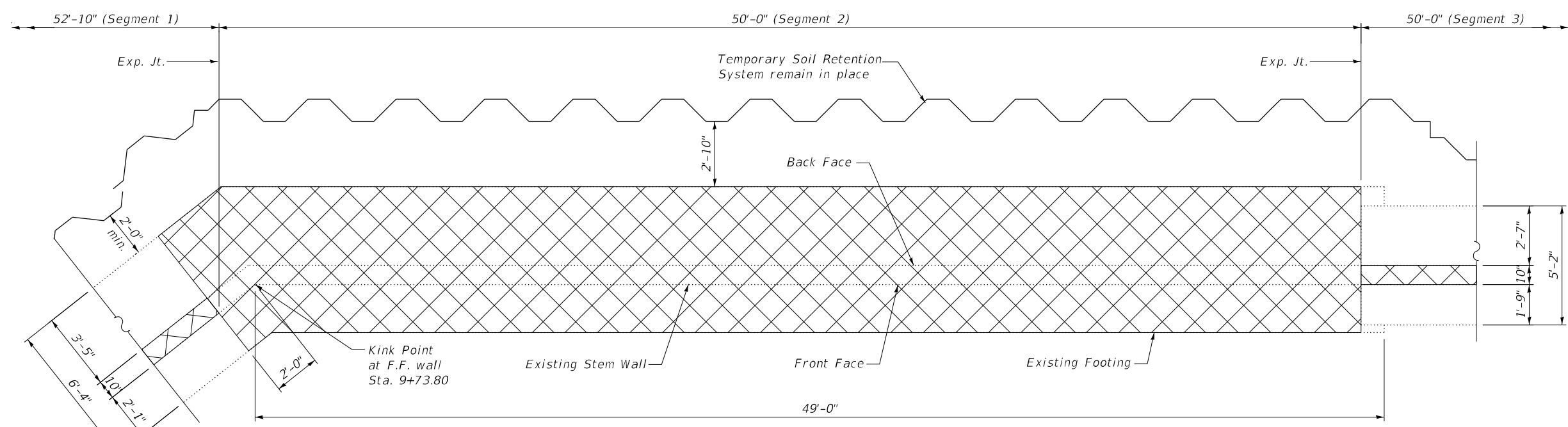
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	DATE - 8/8/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
CONCRETE REMOVAL (SEGMENT 1)

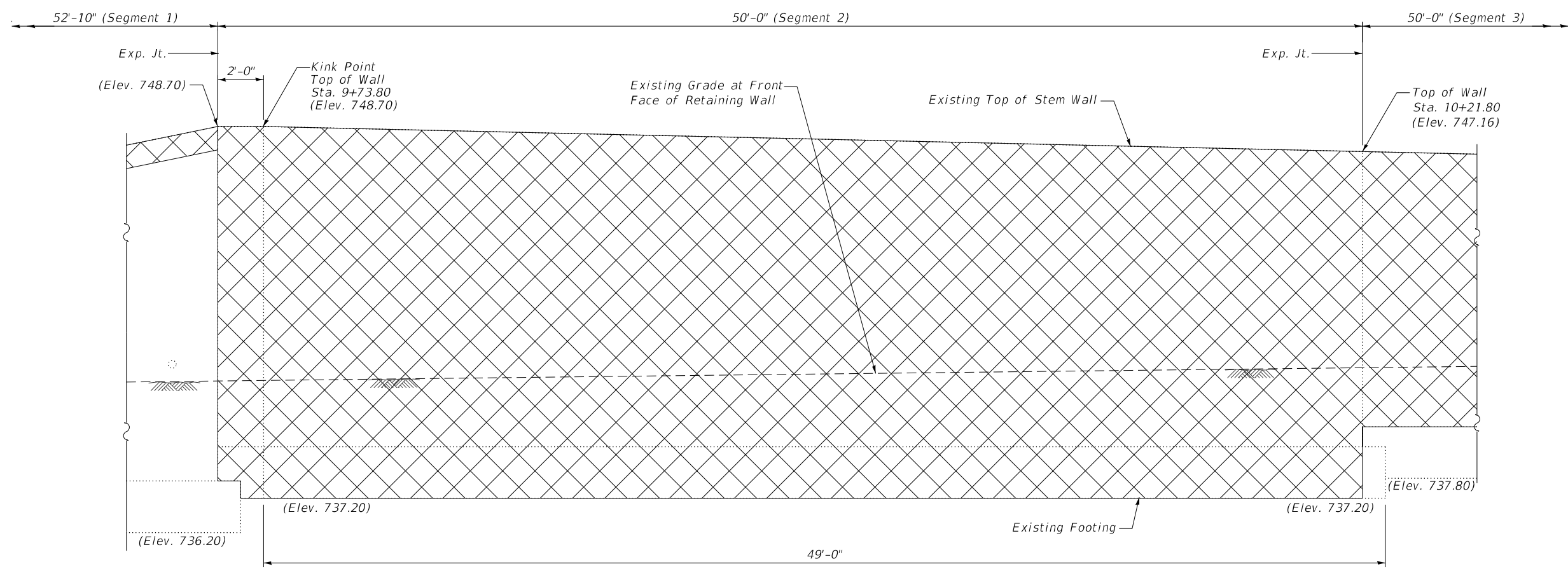
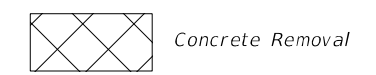
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F.A.S. RTE. 106	SECTION 2024-988-I	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 25
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



REMOVAL PLAN

LEGEND:



REMOVAL ELEVATION

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DELTA ENGINEERING GROUP, LLC
 CIVIL ENGINEERS, ARCHITECTS, CONSTRUCTION MANAGERS, SURVEYORS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

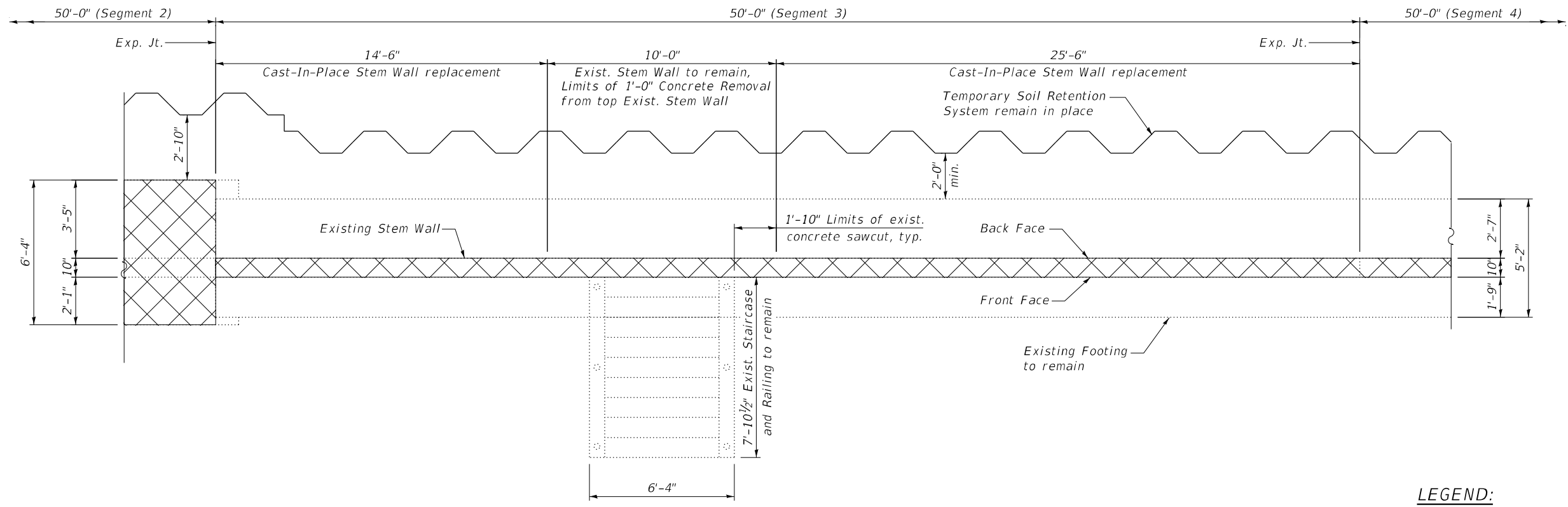
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DATE - 8/8/2024	REVISIONS -	
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PLOT DATE = 8/19/2024		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

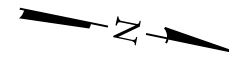
IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
CONCRETE REMOVAL (SEGMENT 2)

SCALE: SHEET S-14 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	26
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

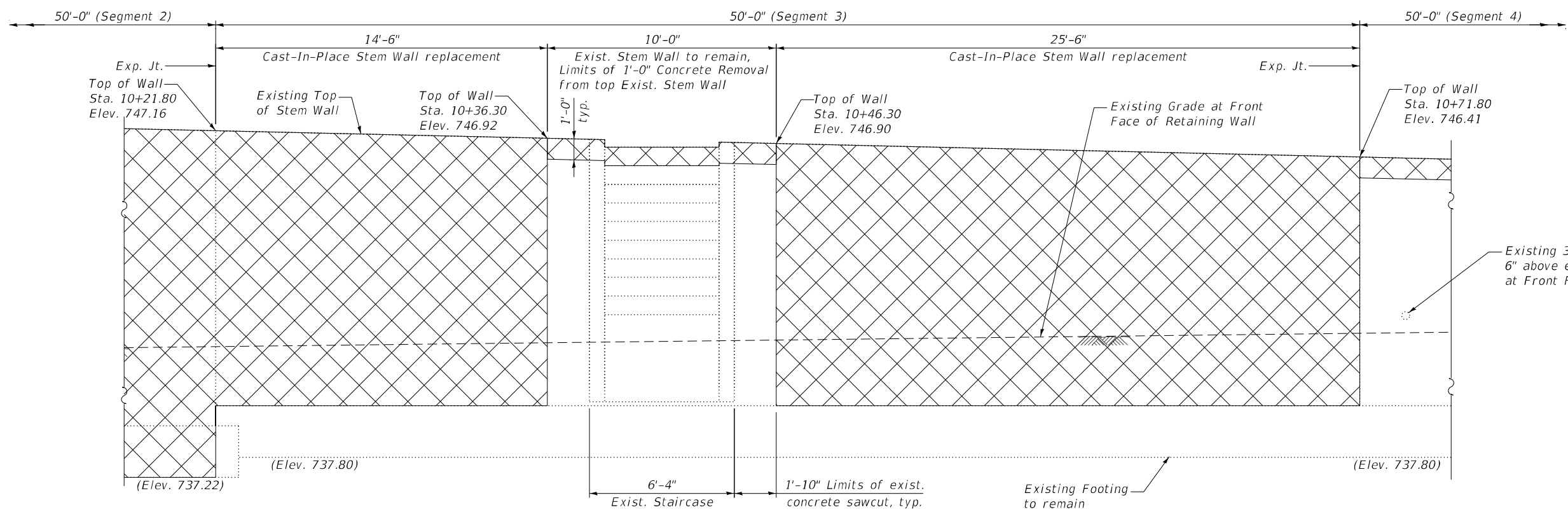


REMOVAL PLAN



LEGEND:

Concrete Removal



REMOVAL ELEVATION

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 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

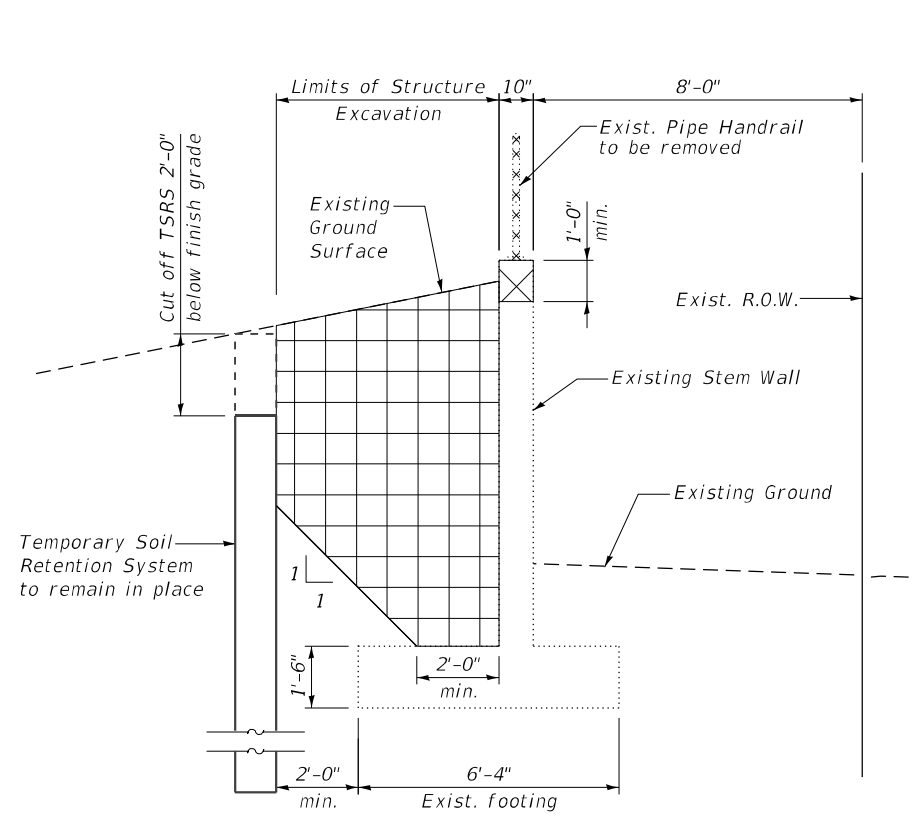
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PLOT DATE = 8/19/2024		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

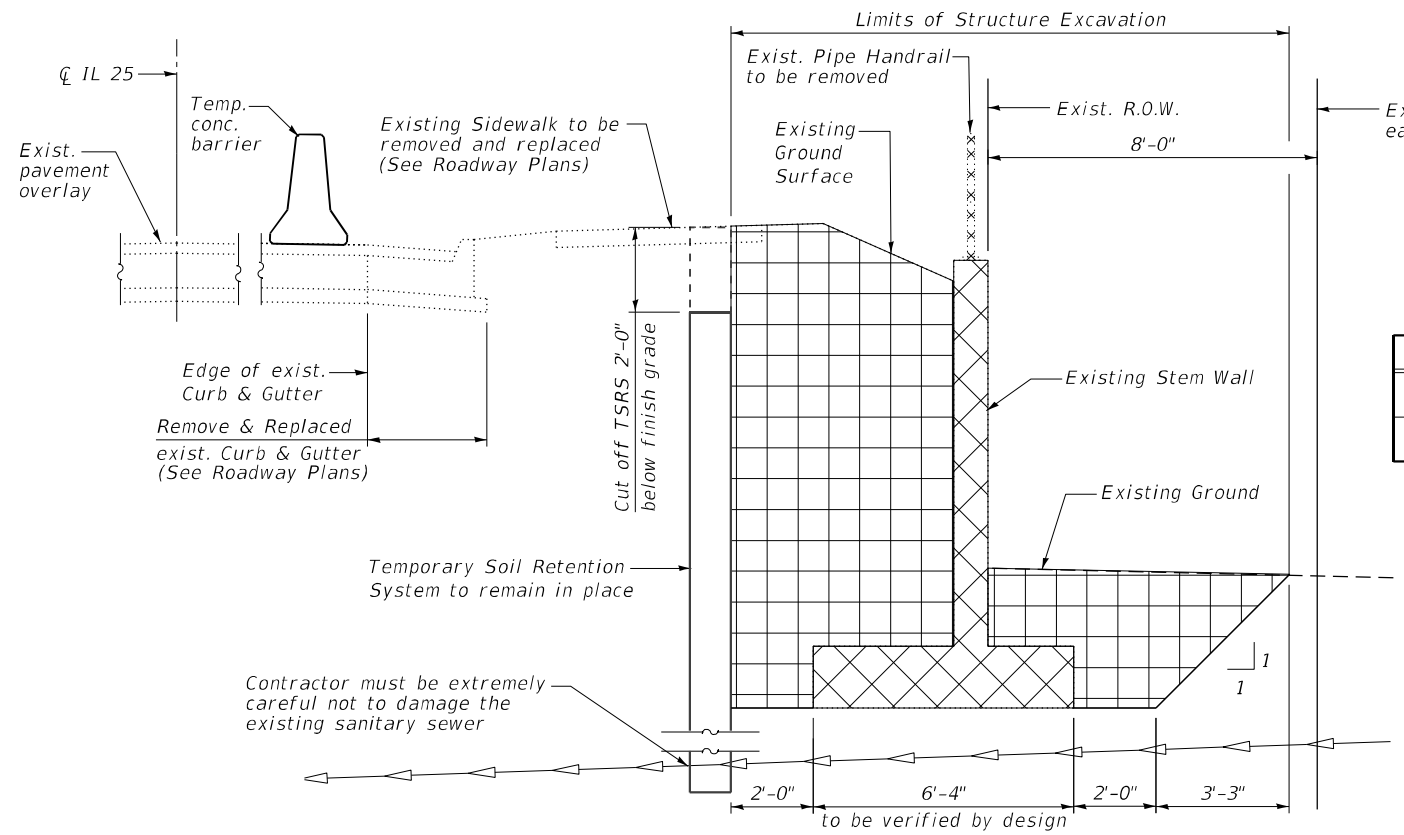
**IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
 CONCRETE REMOVAL (SEGMENT 3)**

SCALE: SHEET S-15 OF 5-22 SHEETS STA. TO STA.

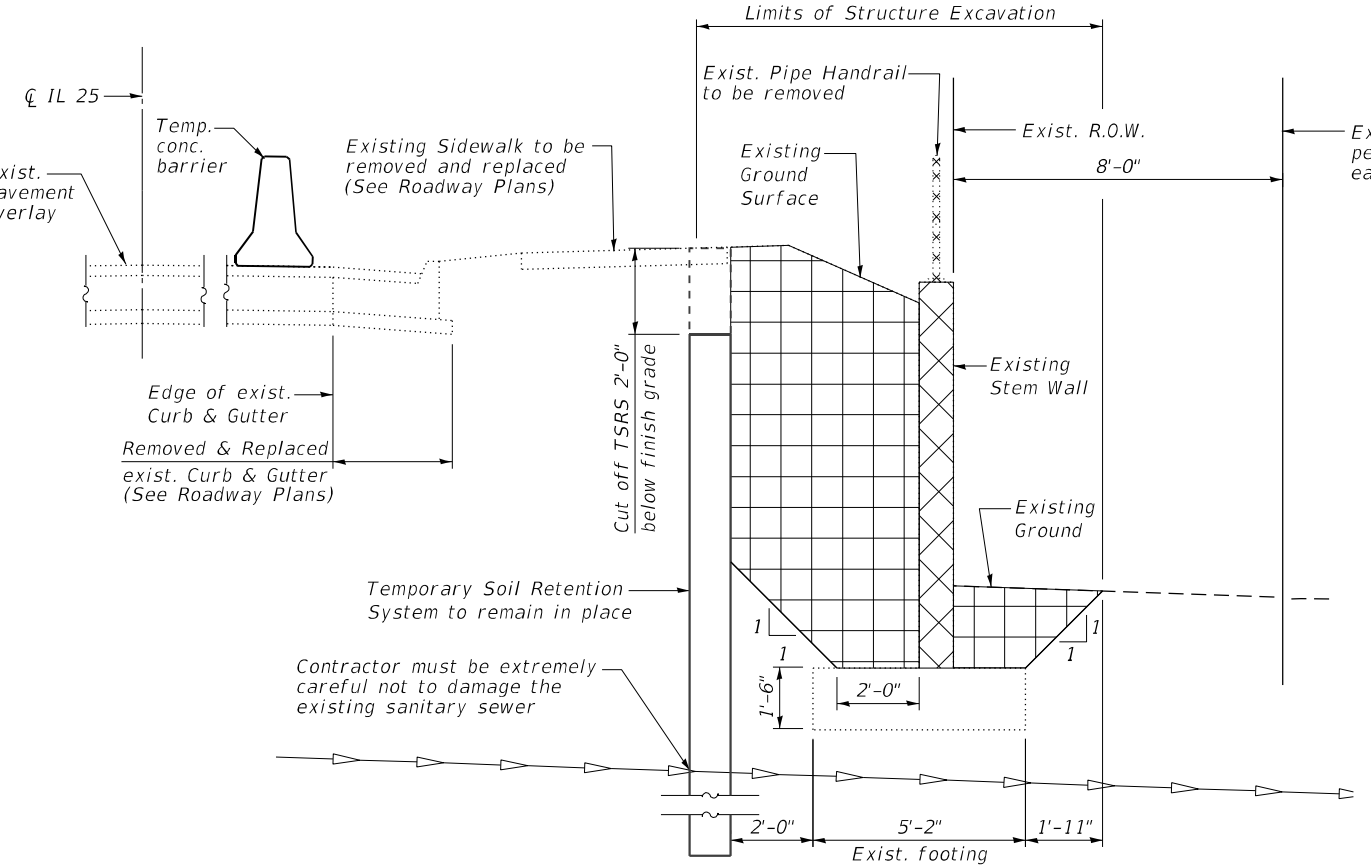
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	27
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



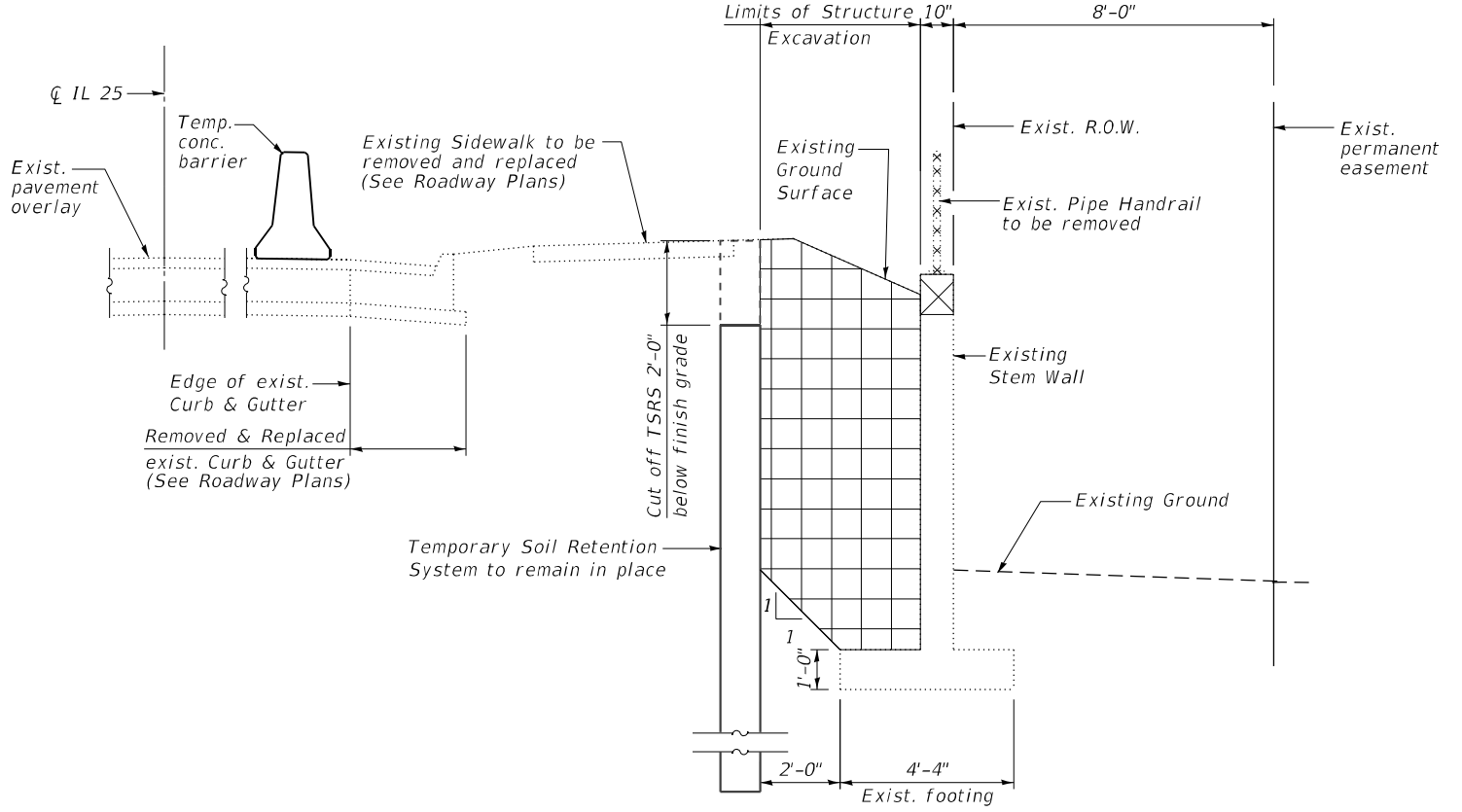
**SEGMENT 1 SECTION THRU WALL
STRUCTURE EXCAVATION FOR DRAINAGE
IMPROVEMENTS AND GRANULAR BACKFILL**



**SEGMENT 2 SECTION THRU WALL
STRUCTURE EXCAVATION FOR FOOTING AND STEM WALL REPLACEMENT**



**SEGMENT 3 SECTION THRU WALL
STRUCTURE EXCAVATION FOR STEM WALL REPLACEMENT**



**SEGMENT 4 SECTION THRU WALL
STRUCTURE EXCAVATION FOR DRAINAGE IMPROVEMENTS AND GRANULAR BACKFILL**

LEGEND:

	Structure Excavation
	Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	44
Structure Excavation	Cu. Yd.	439

- NOTES:**
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged by Contractor's operation during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with concrete removal.
 - Removal of the portion of the failed wall that has fallen shall be removed and shall not be paid for separately and shall be included in Concrete Removal.

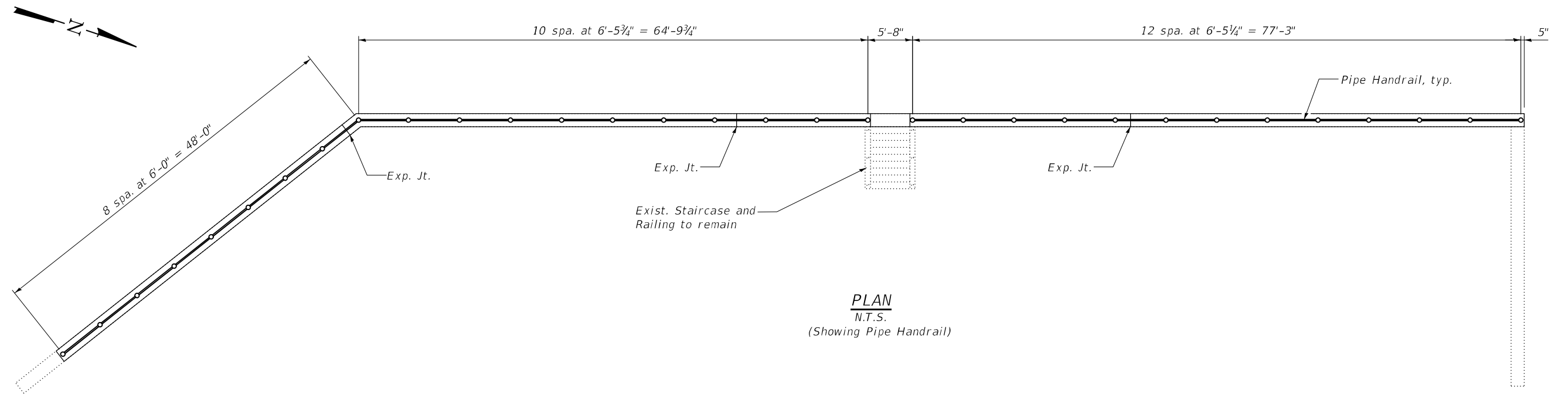
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 DELTA ENGINEERING GROUP, LLC
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = rmanicod	DESIGNED - NS	REVISED -
PLOT SCALE = 4.667' / in.	DRAWN - RM	REVISED -
PLOT DATE = 8/19/2024	CHECKED - SMK	REVISED -
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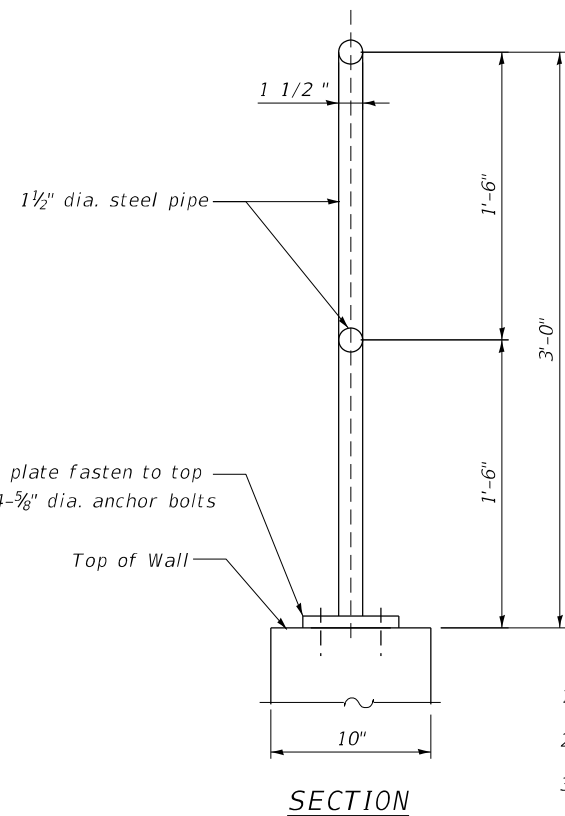
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS EXCAVATION SECTIONS	
SCALE:	SHEET 5-17 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE. 106	SECTION 2024-988-I	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 29
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

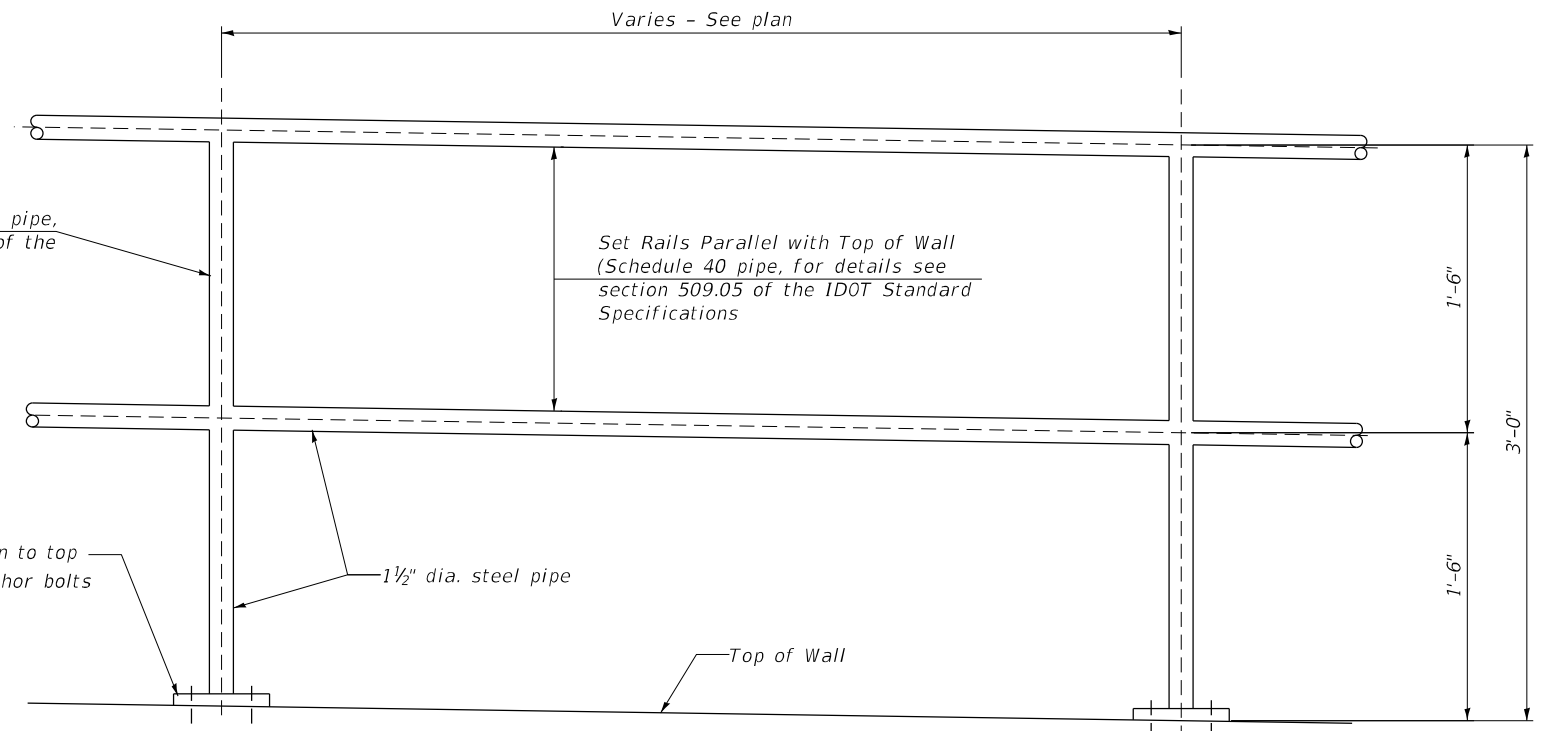


PLAN
N.T.S.
(Showing Pipe Handrail)



SECTION

Set Posts Vertical (Schedule 80 pipe, for details see section 509.05 of the IDOT Standard Specifications)



ELEVATION

Notes:

- All Pipe Handrail connections shall be welded connections. Pipe Handrail Fabrication, Erection and Painting shall conform to the Requirements of section 509.05 of the IDOT Standard Specifications.
- All Pipe Handrail elements including all anchors and fasteners shall be galvanized according to Article 509.05 of the Standard Specifications.
- The proposed new pipe handrail on top of the wall and existing handrail on the stairs along with all the associated hardware and base plates must be painted black. The cost of the painting for the proposed pipe handrail on top of the wall and existing pipe handrail on the stairs will not be paid for separately but it will be included in the pay item for Pipe Handrail.
- Add rail splice or expansion joint in the pipe handrail as needed to accommodate the expansion joint in the wall.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Pipe Handrail	Foot	186

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DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
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T 312.377.7700, F 312.427.6145

USER NAME = rmanuod	DESIGNED - NS	REVISD -
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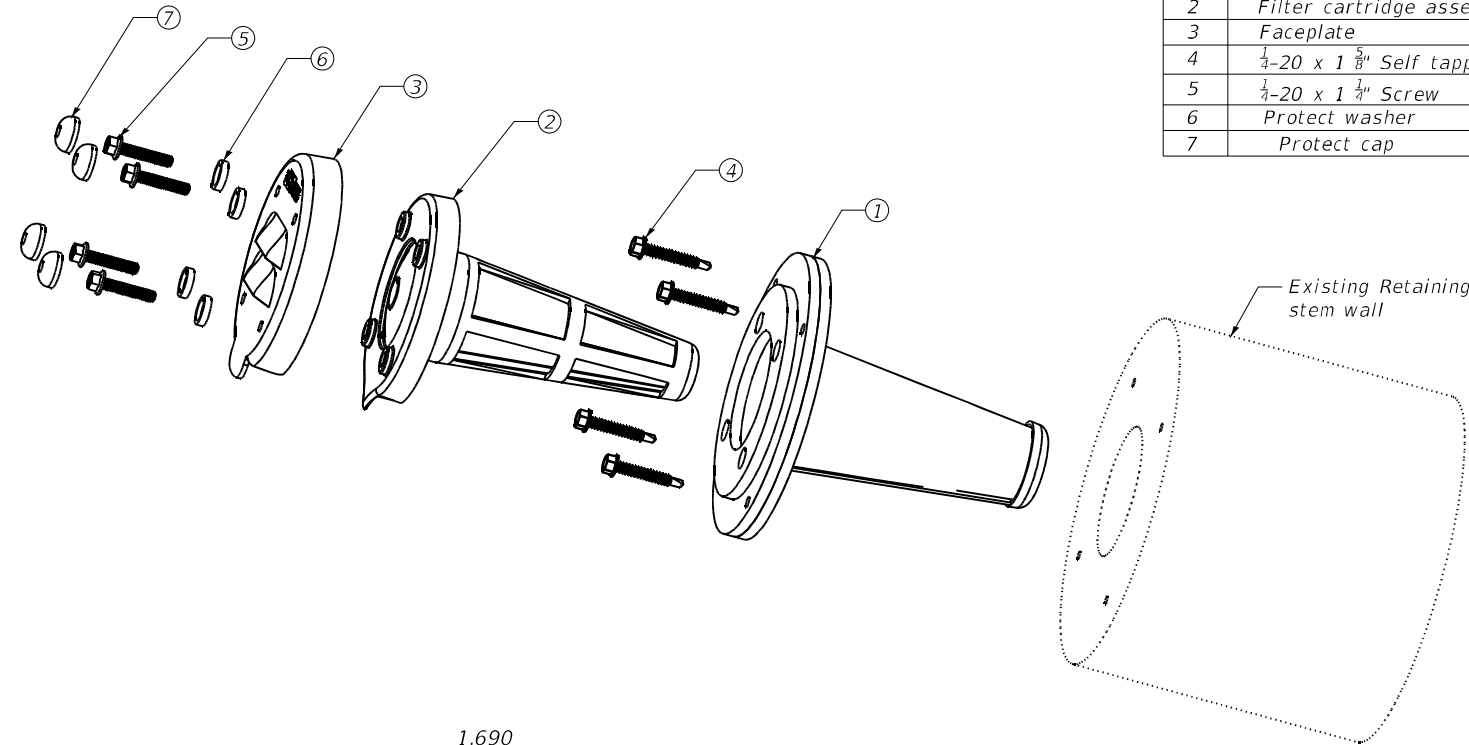
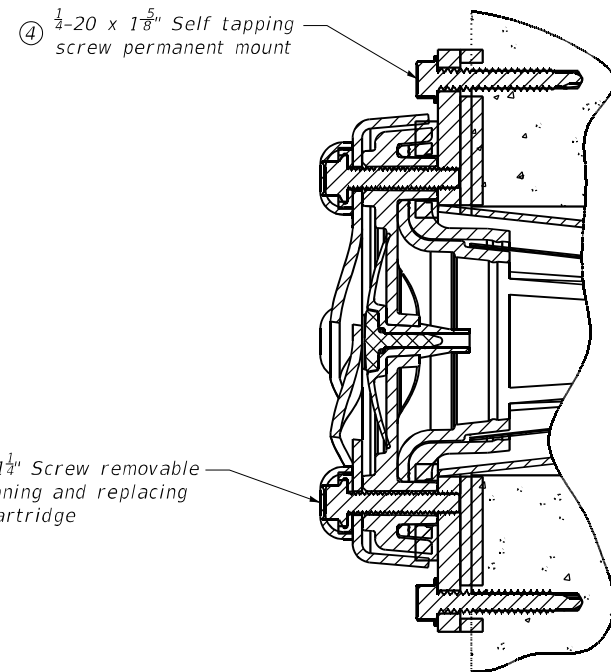
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
PIPE HANDRAIL DETAILS

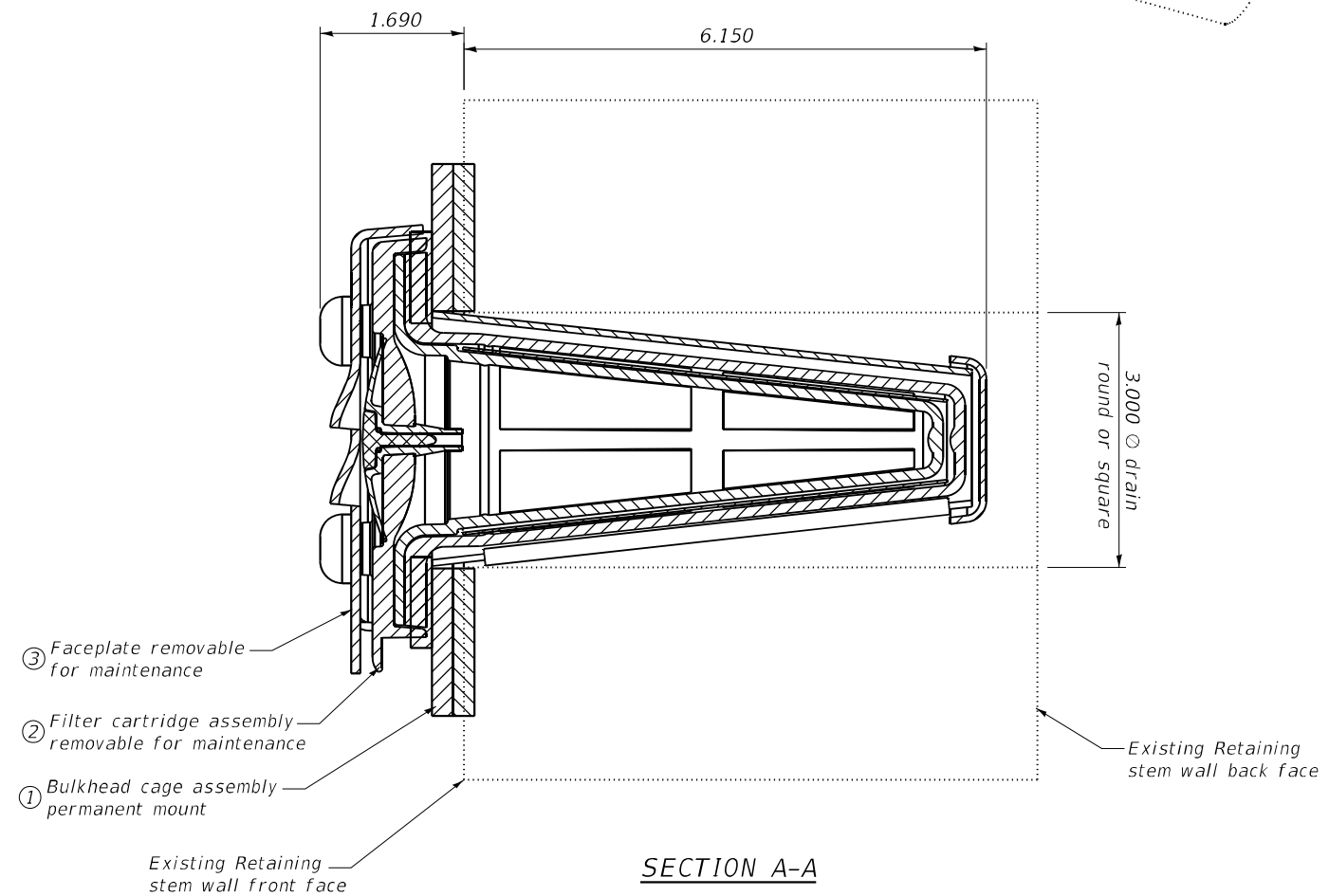
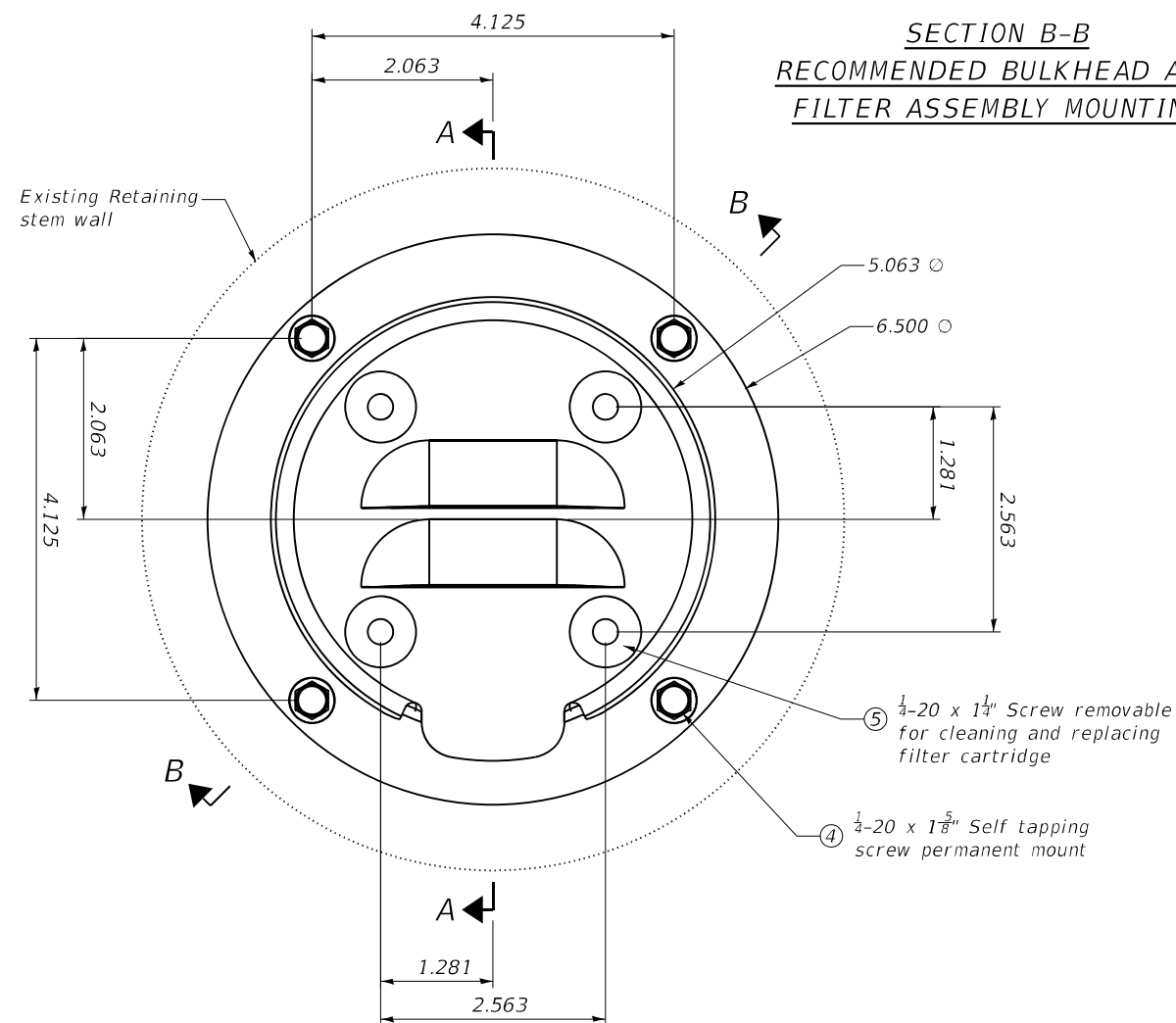
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F.A.S. RTE. 106	SECTION 2024-988-I	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62X13	

Quantity Per Each Filter		
Item	Description	Qty
1	Bulkhead cage assembly	1
2	Filter cartridge assembly	1
3	Faceplate	1
4	$\frac{1}{4}$ -20 x $1\frac{5}{8}$ " Self tapping	4
5	$\frac{1}{4}$ -20 x $1\frac{1}{4}$ " Screw	4
6	Protect washer	4
7	Protect cap	4



**SECTION B-B
RECOMMENDED BULKHEAD AND
FILTER ASSEMBLY MOUNTING**



SECTION A-A

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
CORED WEEP HOLE FILTER SYSTEM DETAILS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	32
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET S-20 OF 5-22 SHEETS STA. TO STA.

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DELTA ENGINEERING GROUP, LLC
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

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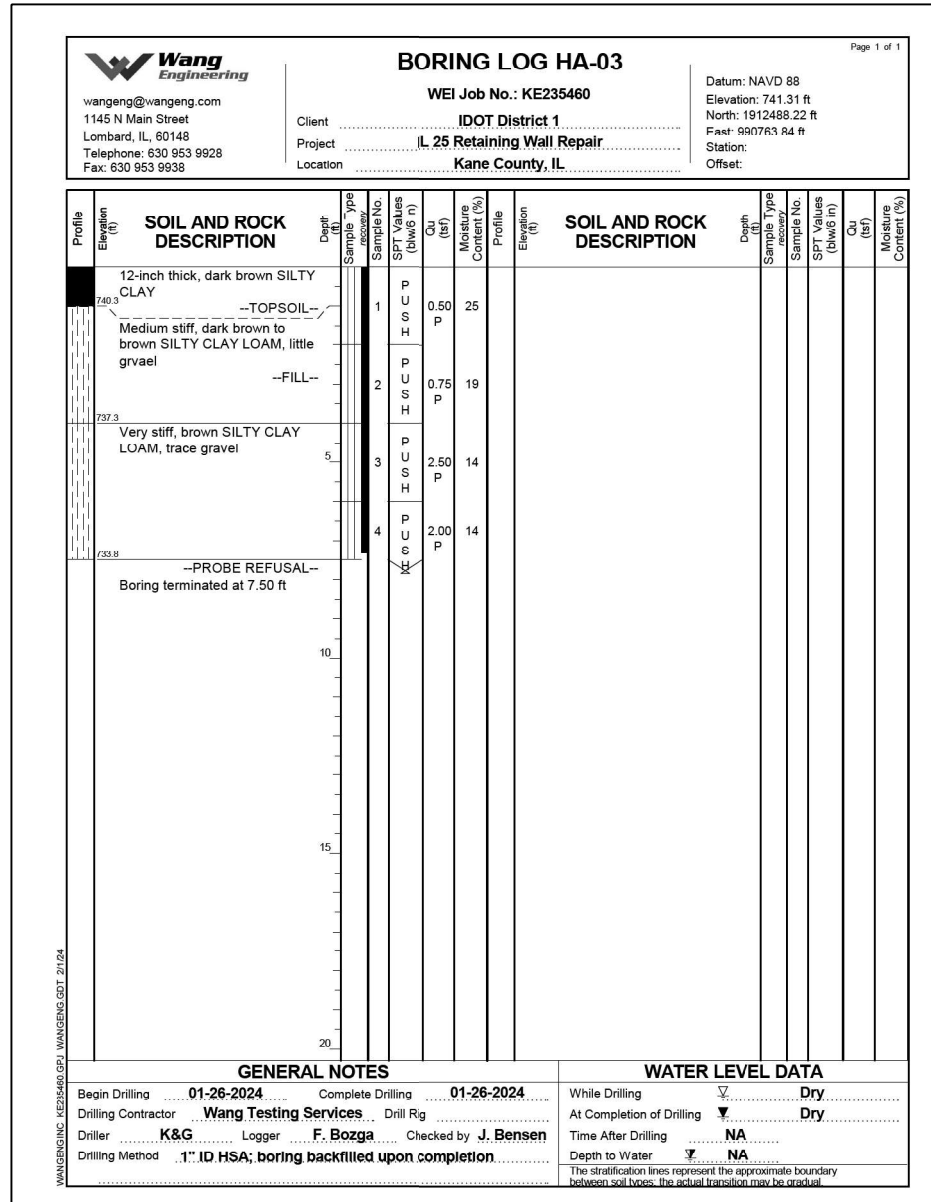
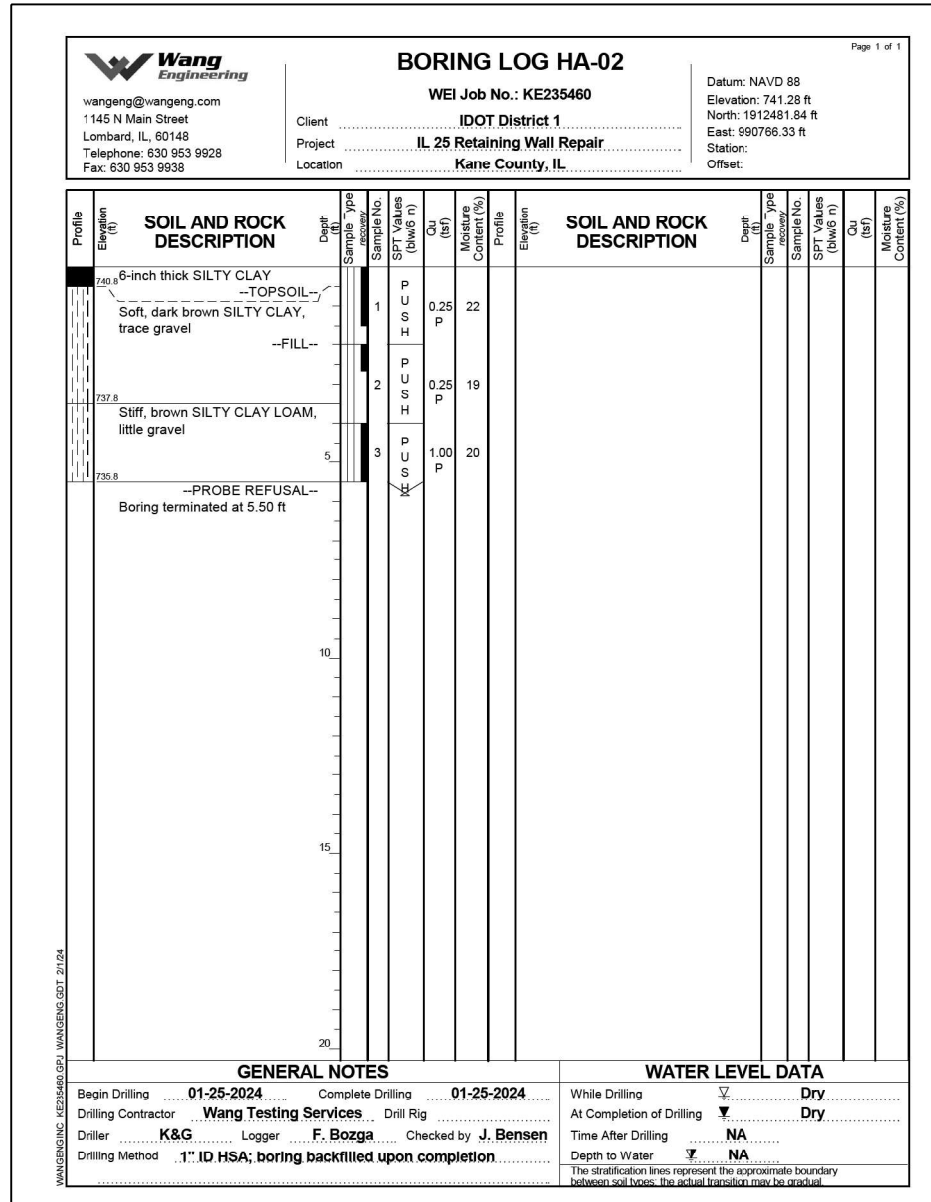
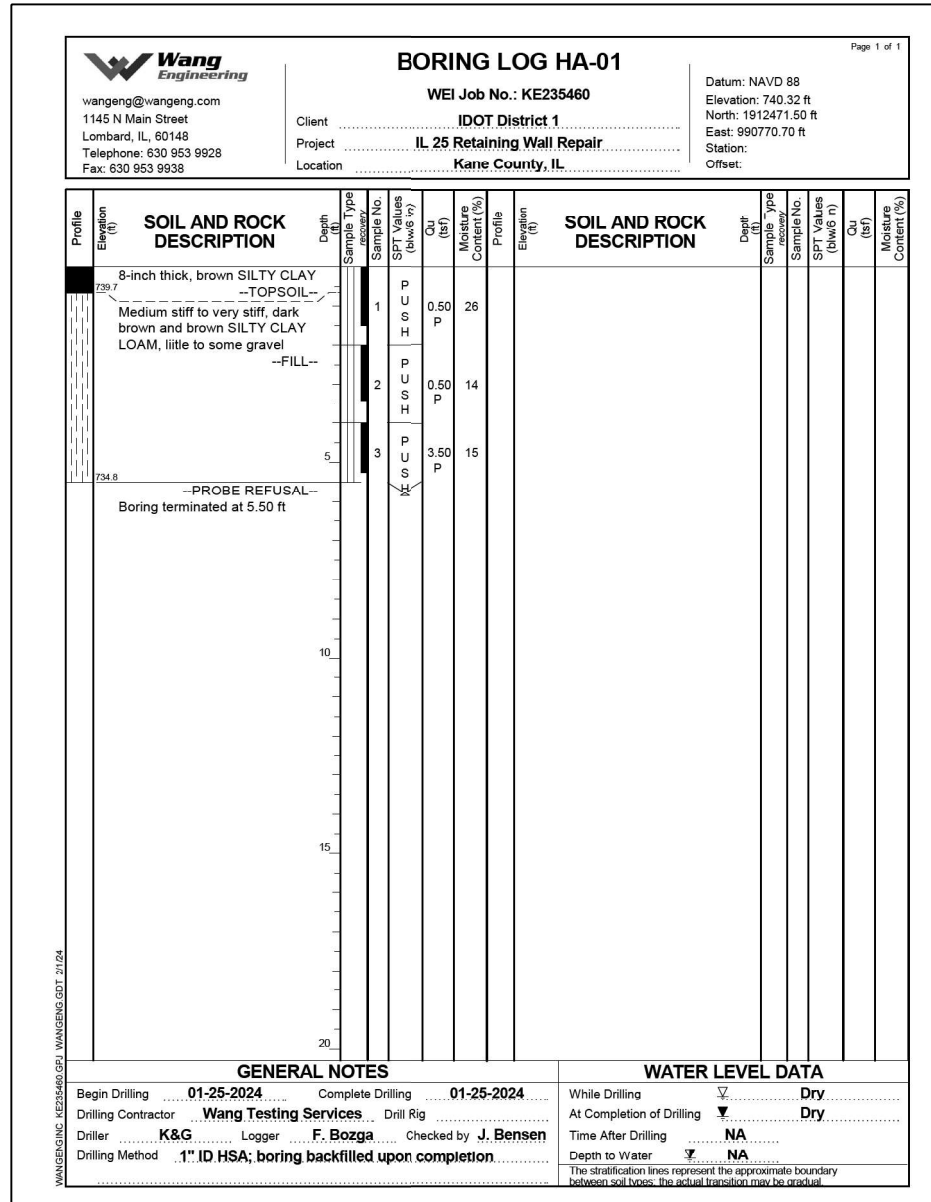
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DRAWN - RM
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DATE - 8/8/2024

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REVISED -

HA-01

HA-02

HA-03



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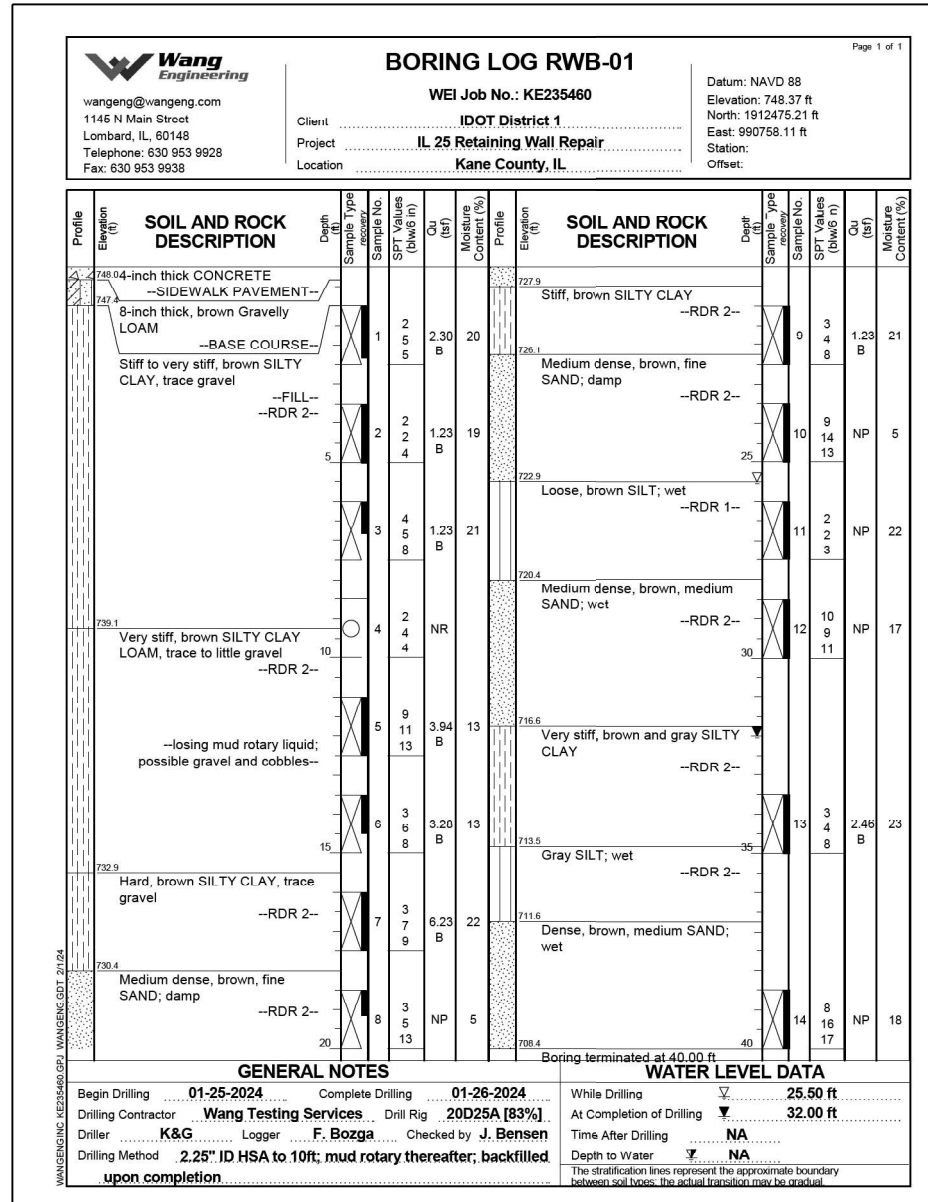
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS SOIL BORINGS

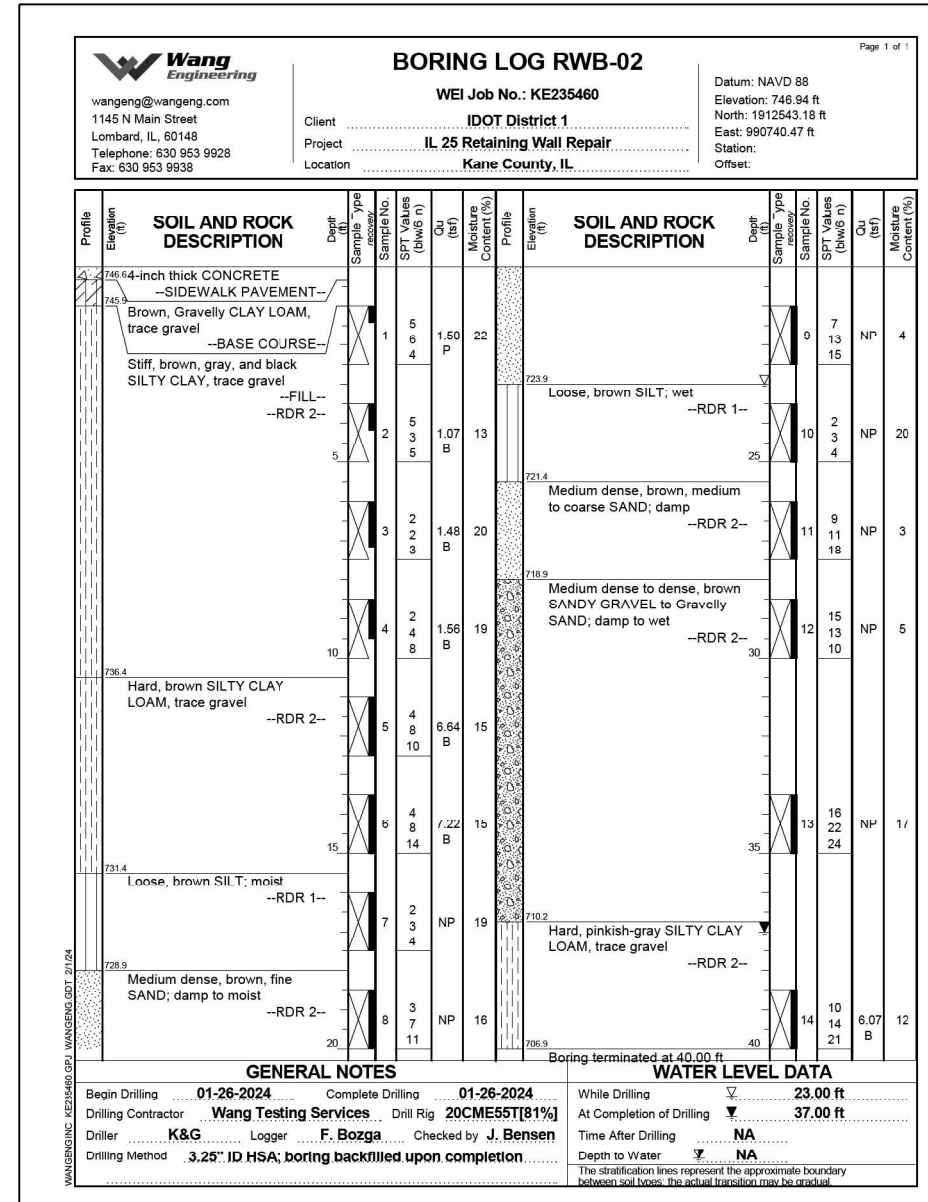
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	33
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET S-21 OF 5-22 SHEETS STA. TO STA.

RWB-01



RWB-02



MODEL: I:\MODELS\NAME\ FILE: NAME.CAD PLOT DATE: 8/19/2024

DELTA ENGINEERING GROUP, LLC
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = rmanuod	DESIGNED - NS	REVISED -
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PLOT DATE = 8/19/2024	CHECKED - SMK	REVISED -
	DATE - 8/8/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 25 (NB NORTH 5TH AVE.) - RETAINING WALL REPAIRS
 SOIL BORING LOGS

SCALE: SHEET S-22 OF 5-22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	34
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

CITY OF ST. CHARLES
SECTION 32-CS
SHEET 1 OF 35
1968

CITY OF ST. CHARLES
KANE COUNTY, ILLINOIS

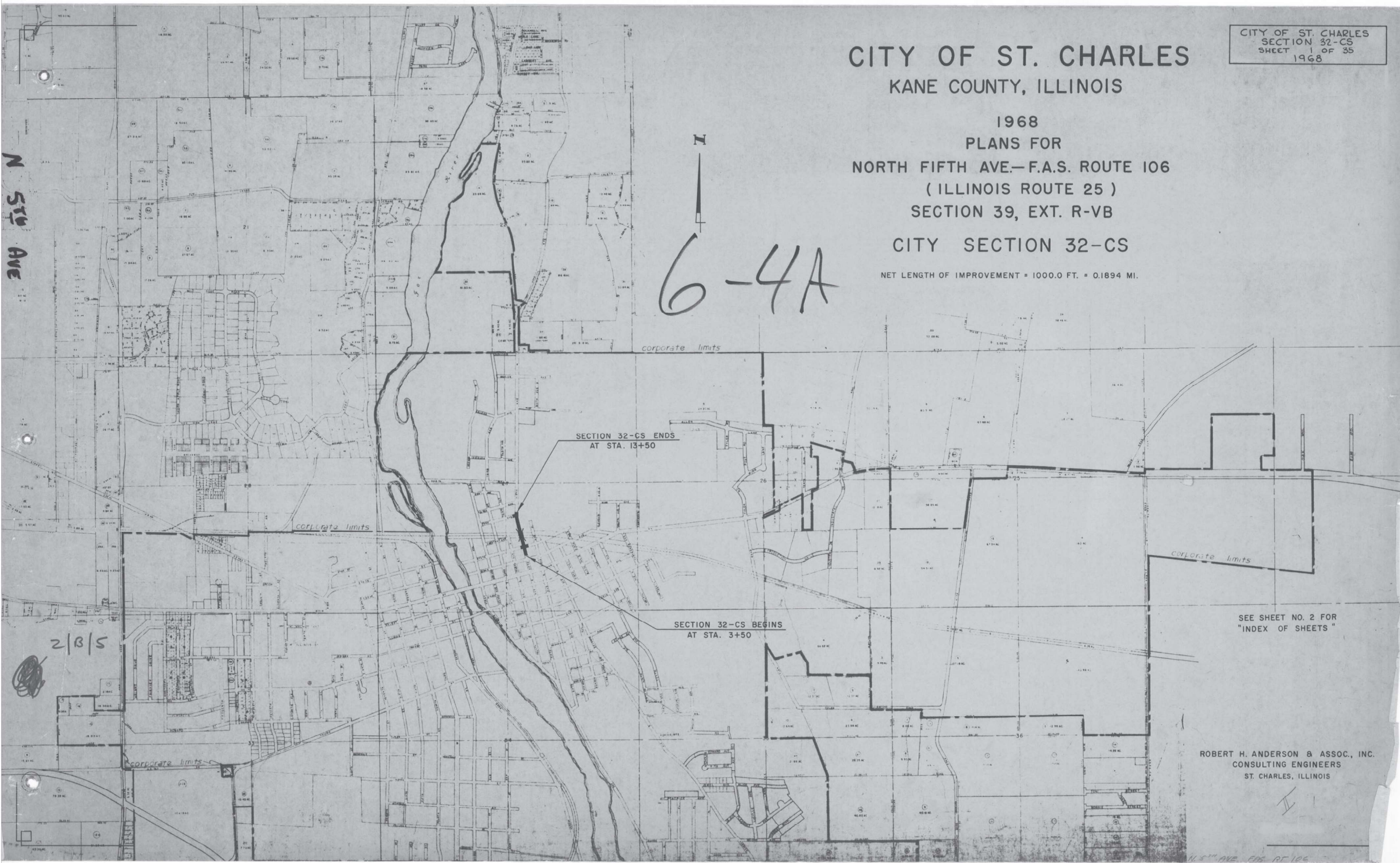
1968
PLANS FOR
NORTH FIFTH AVE.—F.A.S. ROUTE 106
(ILLINOIS ROUTE 25)
SECTION 39, EXT. R-VB
CITY SECTION 32-CS

NET LENGTH OF IMPROVEMENT = 1000.0 FT. = 0.1894 MI.

6-4A

N
5TH AVE

2/8/5



SEE SHEET NO. 2 FOR
"INDEX OF SHEETS"

ROBERT H. ANDERSON & ASSOC., INC.
CONSULTING ENGINEERS
ST. CHARLES, ILLINOIS

MODEL NUMBER
FILE NUMBER

DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL PLANS (FOR REFERENCE ONLY)
SCALE: 1:10 SHEET 12 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	35
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES		
ITEM	QUANTITY	UNIT
BORROW EXCAVATION	18,950	CU. YDS.
SPECIAL EXCAVATION	1,348	CU. YDS.
TRENCH BACKFILL	300	CU. YDS.
STABILIZED SUB-BASE (BITUMINOUS AGGREGATE MIXTURE)	3,818	SQ. YDS.
SUB-BASE GRANULAR MATERIAL, TYPE A (ALTERNATE)	900	TONS
GRAVEL OR CRUSHED STONE BASE COURSE, TYPE A	371	TONS
BITUMINOUS MATERIALS (PRIME COAT)	190	GALS.
BITUMINOUS MATERIALS (COVER & SEAL COATS)	350	GALS.
COVER COAT AGGREGATE	10	TONS
SEAL COAT AGGREGATE	5	TONS
P. C. CONCRETE PAVEMENT - 10"	3,174	SQ. YDS.
P. C. CONCRETE PAVEMENT - 16 1/2" - 10 1/2" - 16 1/2"	266	SQ. YDS.
REMOVING & REPLACING CURING COVERING	10	UNITS
PAVEMENT FABRIC	3,174	SQ. YDS.
PROTECTIVE COAT	5,936	SQ. YDS.
CLASS X CONCRETE	916.5	CU. YDS.
REINFORCEMENT BARS	165,790	LBS.
FURNISHING STEEL PILES (8 BP 36)	3,208	LIN. FT.
DRIVING STEEL PILES	3,208	LIN. FT.
TEST PILES (STEEL)	2	EACH
PREFORMED JOINT SEALER	100	LIN. FT.
ALUMINUM HAND RAIL	287	LIN. FT.
CLASS A EXCAVATION FOR STRUCTURES	522	CU. YDS.
NAME PLATES	1	EACH
SLOPE WALL	626	SQ. YDS.
STRUCTURAL STEEL	1,980	LBS.
RAILROAD PROTECTIVE SERVICES	1	LUMP SUM
FURNISHING CREOSOTED PILES (20.1 - 38)	480	LIN. FT.
DRIVING TIMBER PILES	480	LIN. FT.
PIPE HANDRAIL	197	LIN. FT.
PIPE CULVERTS, T-1, (CSCP) - 18"	34	LIN. FT.
PIPE CULVERTS, T-1, (CSCP) - 24"	26	LIN. FT.
STORM SEWERS, TYPE 1 - 12"	274	LIN. FT.
STORM SEWERS, TYPE 1, 15"	180	LIN. FT.
STORM SEWERS, TYPE 1, 18"	546	LIN. FT.
MANHOLES, TYPE A, 4' DIA. WITH TYPE 1 FRAME & CLOSED LID	10	EACH
MANHOLE, TYPE A, 5' DIA. WITH TYPE 1 FRAME & CLOSED LID	1	EACH
INLETS, TYPE A, WITH TYPE B GRATE	2	EACH
INLETS, TYPE B SPECIAL WITH FRAME AND GRATE	8	EACH
MANHOLES TO BE ADJUSTED	5	EACH
FILLING EXISTING MANHOLES	2	EACH
FILLING EXISTING INLETS	6	EACH
COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.24	1,933	LIN. FT.
DRIVEWAY PAVEMENT REMOVAL	44	SQ. YDS.
PAVEMENT REMOVAL - SPECIAL	1,157	SQ. YDS.
PAVEMENT REPLACEMENT, ENTIRE	153	SQ. YDS.
P. C. CONC. DRIVEWAY PAVEMENT - 7"	137	SQ. YDS.
P. C. CONCRETE SIDEWALK - 5"	9,626	SQ. FT.
GROUND PREPARATION FOR SODDING	6,177	SQ. YDS.
CHAIN-LINK FENCE TO BE REMOVED	224	LIN. FT.
CHAIN-LINK FENCE TO BE RE-ERECTED	66	LIN. FT.

INDEX OF SHEETS	
SHEET NO.	
1	COVER SHEET
2	SUMMARY OF QUANTITIES & INDEX OF SHEETS
3	TYPICAL SECTION, GENERAL NOTES & SCHEDULES
4	SCHEDULES
5 & 6	PLAN & PROFILE
7	INTERSECTION DETAILS
8 - 18	CROSS - SECTIONS
19	RETAINING WALL DETAILS
20 - 27	BRIDGE DETAILS
28	STANDARD NO. 1766-4 LONG. METAL JOINT STANDARD NO. 2179-1 24' CONC. PAVEMENT STANDARD NO. 2115-1 PAVEMENT FABRIC
29	STANDARD NO. 1909-8 CONC. BRIDGE APPROACH PAVEMENT
30	STANDARD NO. 2113-1 NAME PLATE STANDARD NO. 2130 CONCRETE CURB & GUTTER
31	STANDARD NO. 1683-2 INLET, TYPE A STANDARD NO. 2217-1 TYPE B GRATE STANDARD NO. 1527-3 MANHOLE, TYPE A STANDARD NO. 2213-1 FRAME & LID, TYPE 1
32	INLET, TYPE B, SPECIAL - STANDARD NO. 55 STANDARD NO. 52-B CONTRACTION JOINT STANDARD NO. 70 CONCRETE STEPS
33	STANDARD NO. 26.2 ENTRANCE APPROACHES STANDARD NO. 2208-2 BARRICADES
34	STANDARD NO. 2168-1 CHAIN-LINK FENCE
35	STANDARD NO. 2209-1 TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL PLANS (FOR REFERENCE ONLY)

SCALE: 1:10 SHEET 12 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	36
			CONTRACT NO. 62X13	
ILLINOIS FED. AID PROJECT				

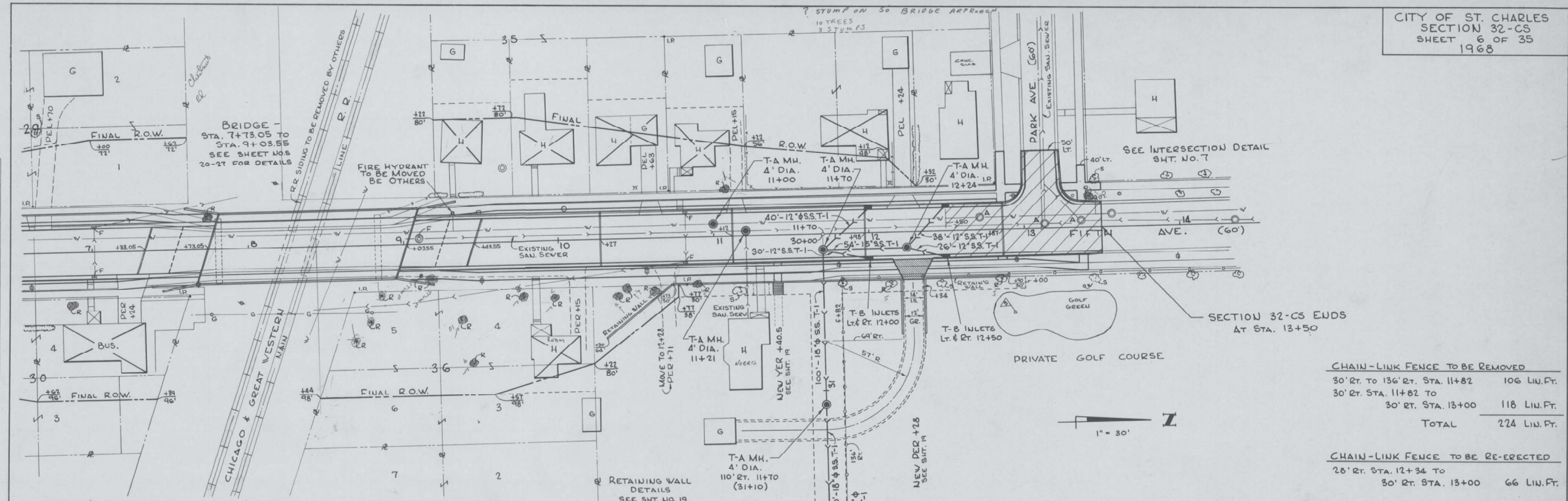
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DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, SURVEYORS, AND PLANNERS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

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	DRAWN - NS	REVISED - _____
PLOT SCALE = \$SCALES	CHECKED - MA	REVISED - _____
PLOT DATE = \$DATES	DATE - 8/8/2024	REVISED - _____

DATE: _____ BY: _____
 SUBMITTED: _____
 PLAN: _____
 NOTE BOOK: _____
 ALIGNMENT CHECKED: _____
 RT. OF WAY CHECKED: _____

DATE: _____ BY: _____
 SUBMITTED: _____
 PROFILE: _____
 NOTE BOOK: _____
 GRADES CHECKED: _____
 STRUCTURE INDICATED CHECKED: _____

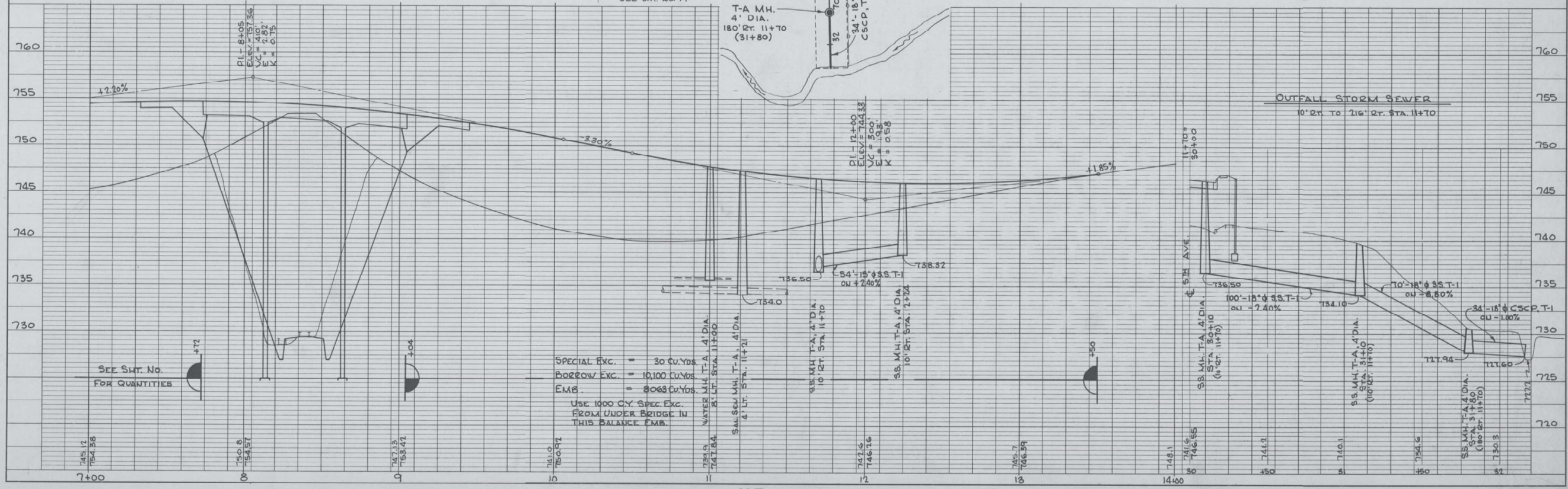


CHAIN-LINK FENCE TO BE REMOVED

30' RT. TO 136' RT. STA. 11+82	106 LIN. FT.
30' RT. STA. 11+82 TO 30' RT. STA. 13+00	118 LIN. FT.
TOTAL	224 LIN. FT.

CHAIN-LINK FENCE TO BE RE-ERECTED

28' RT. STA. 12+34 TO 30' RT. STA. 13+00	66 LIN. FT.
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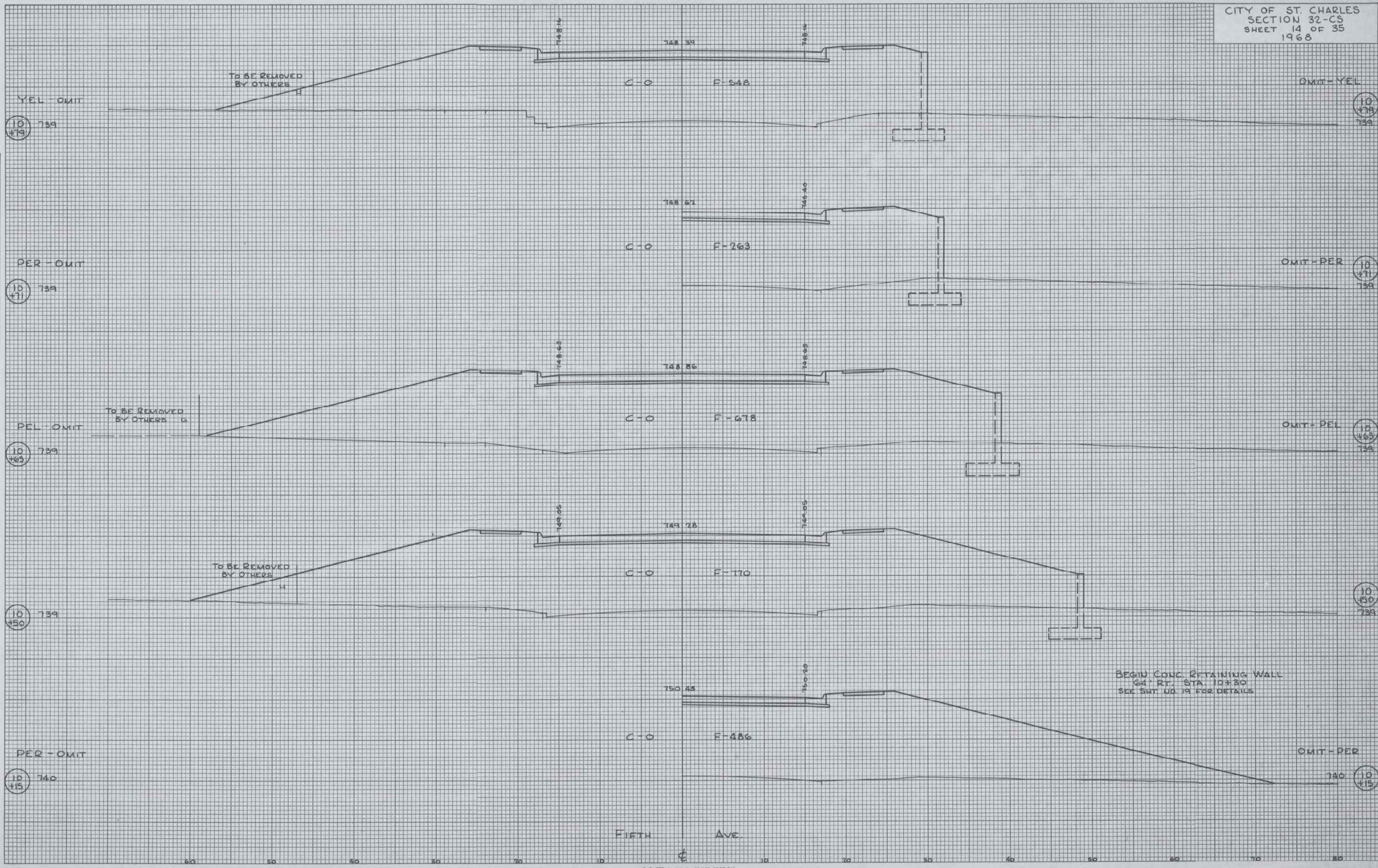
SPECIAL EXC. = 30 CU. YDS.
 BORROW EXC. = 10,100 CU. YDS.
 EMB. = 8063 CU. YDS.
 USE 1000 CY. SPEC. EXC. FROM UNDER BRIDGE IN THIS BALANCE EMB.

K-E PLATE 1, PLAN-PROFILE
 REUPP & ESSER CO.

USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - NS	REVISED - _____
PLOT DATE = \$DATES	CHECKED - MA	REVISED - _____
	DATE - 8/8/2024	REVISED - _____

F.A.S. RTE. 106	SECTION 2024-988-1	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 37
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

CITY OF ST. CHARLES
SECTION 32-CS
SHEET 14 OF 35
1968



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

DATE _____ BY _____
NO. _____
ORIGINAL SURVEY
SURVEYED _____
TEMPLATE _____
NOTE BOOK _____
AREAS CHECKED _____

K-E PLATE 3, CROSS SECTION
KEWELL & GIBB CO.

MODEL NUMBER NAMES
FILE NUMBER, SHEETS

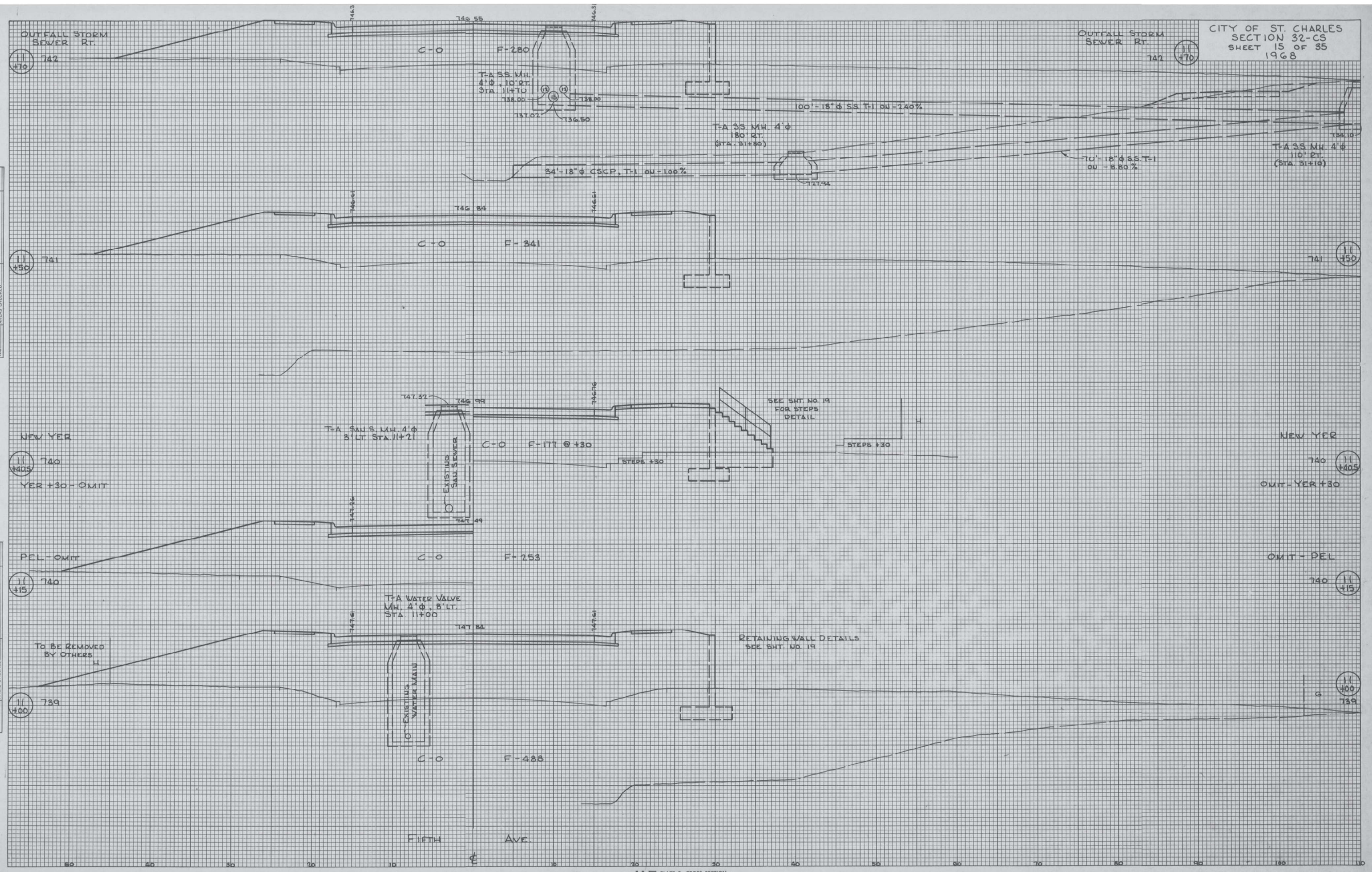
DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
DRAWN - NS	CHECKED - MA	REVISED - _____
PLOT SCALE = \$SCALE\$	DATE - 8/8/2024	REVISED - _____
PLOT DATE = \$DATE\$		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING RETAINING WALL PLANS (FOR REFERENCE ONLY)
SCALE: 1:10 SHEET 12 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	38
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



CITY OF ST. CHARLES
SECTION 32-CS
SHEET 15 OF 35
1968

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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLATE 3, CROSS SECTION
K&E KUFFEL & ESSER CO.

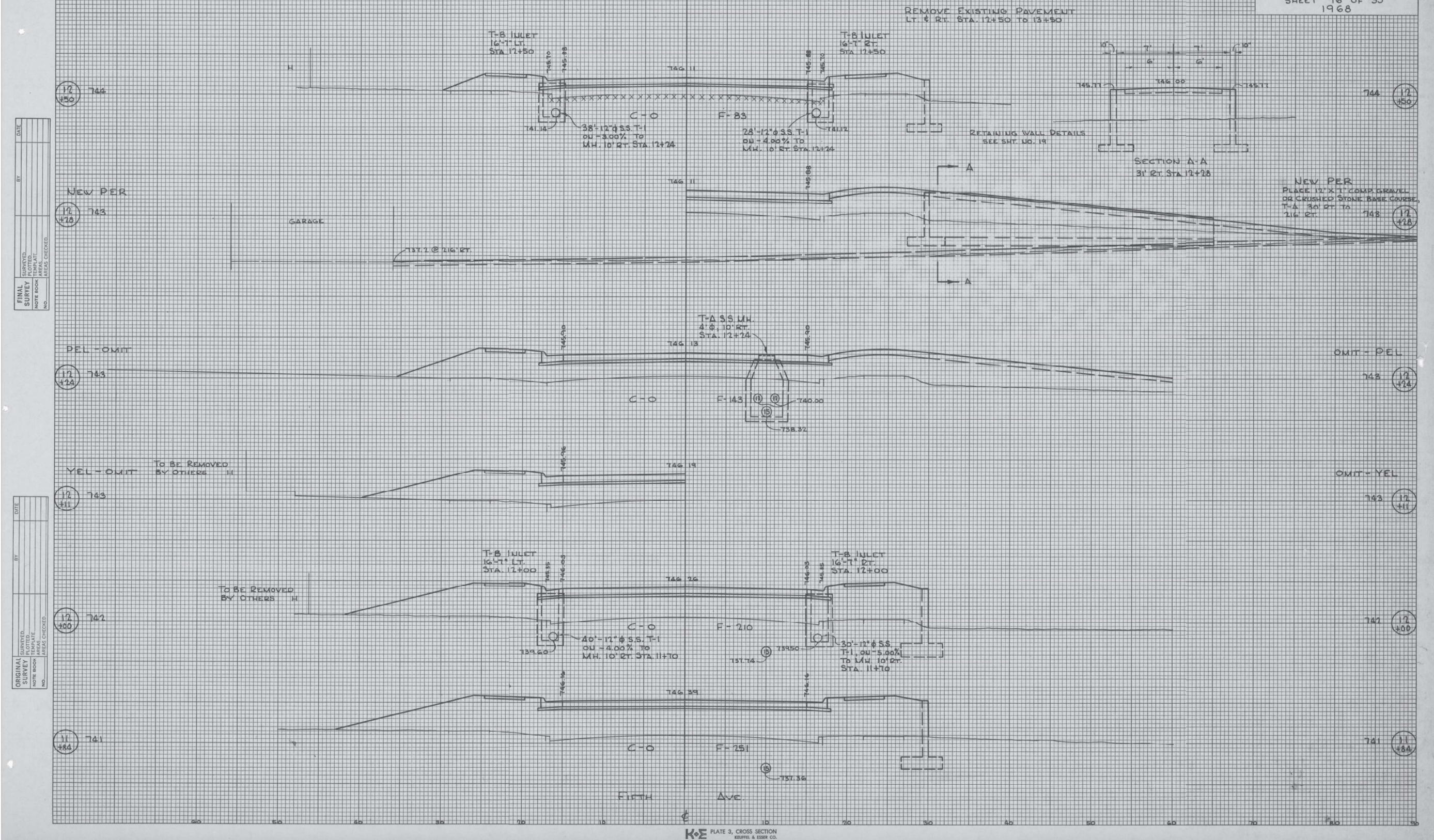
DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME	= \$USERS
DESIGNED	- NS
REVIS	-
DRAWN	- NS
REVIS	-
CHECKED	- MA
REVIS	-
DATE	- 8/8/2024
REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL PLANS (FOR REFERENCE ONLY)
SCALE: 1:10 SHEET 12 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-1	KANE	48	39
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



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

DATE _____ BY _____
 ORIGINAL SURVEY _____ PLOTTED _____
 NO. _____ AREAS CHECKED _____

K&E PLATE 3, CROSS SECTION
KEUPFF & ESSER CO.

MODEL NAME: DELTA
FILE NAME: STILES

DELTA ENGINEERING GROUP, LLC
 CONSULTING ENGINEERS, ARCHITECTS, SURVEYORS, AND PLANNERS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = SUSERS	DESIGNED - NS	REVISED - _____
DRAWN - NS	REVISOR - _____	
CHECKED - MA	REVISOR - _____	
DATE - 8/8/2024	REVISOR - _____	

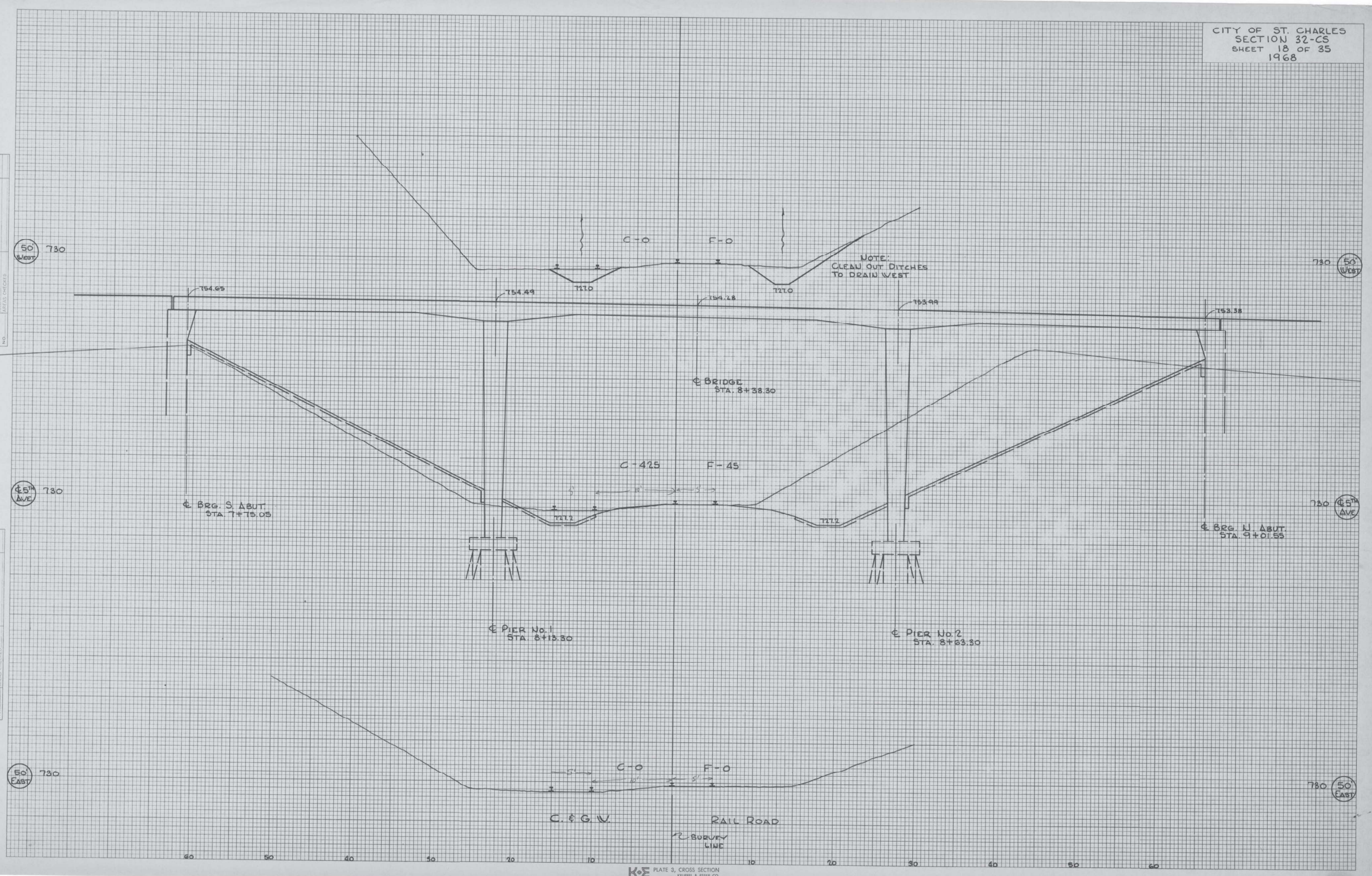
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL PLANS (FOR REFERENCE ONLY)
 SCALE: 1:10 SHEET 12 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-1	KANE	48	40
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				

DATE: _____ BY: _____
 QUANTITY: _____
 SURVEY: _____
 NO. _____
 CHECKED: _____
 DATE: _____

DATE: _____ BY: _____
 QUANTITY: _____
 SURVEY: _____
 NO. _____
 CHECKED: _____
 DATE: _____



K&E PLATE 3, CROSS SECTION
KUMPEL & ESSER CO.

MODEL NUMBER NAMES FILE NAMES SHEETS

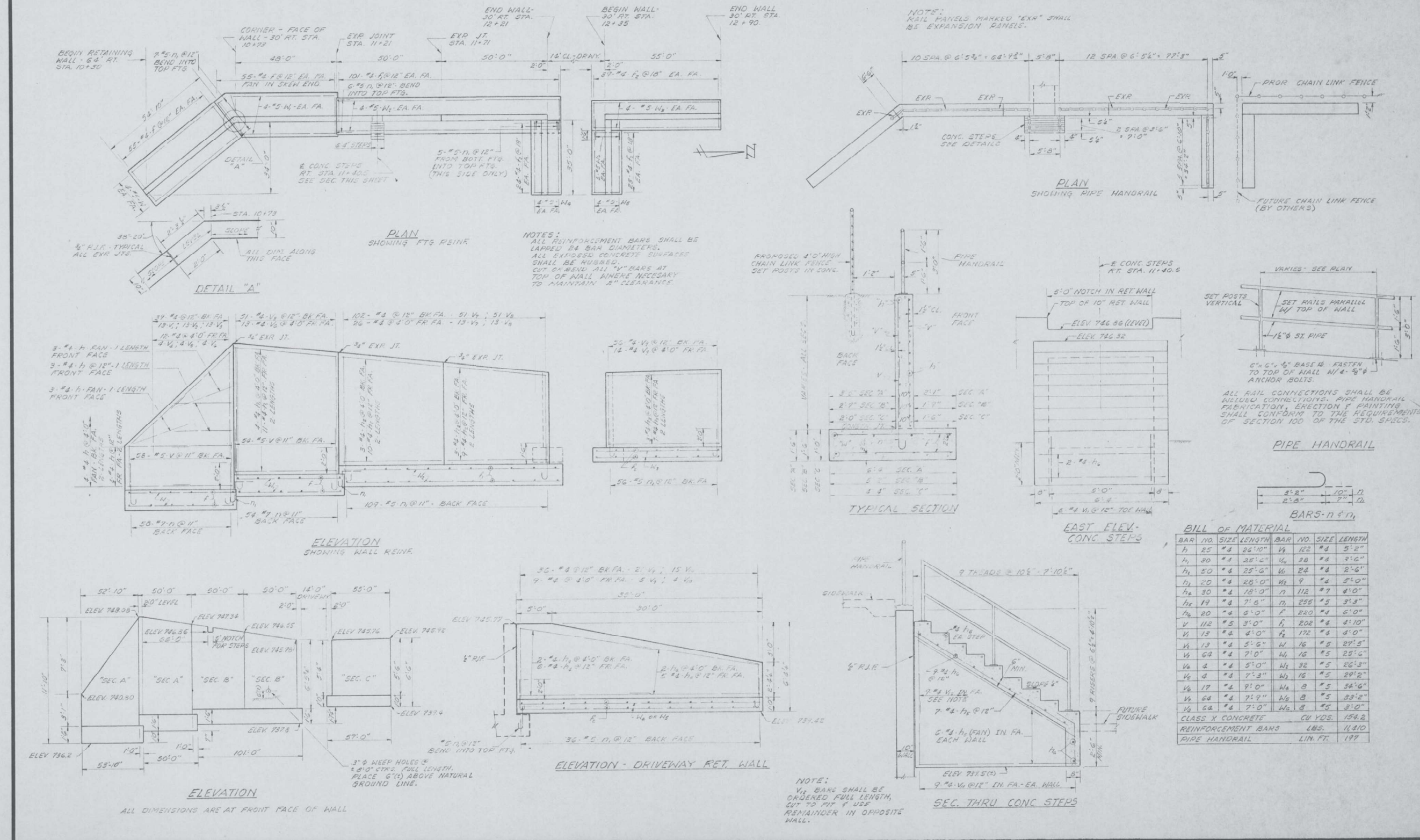
DELTA ENGINEERING GROUP, LLC
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 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
DRAWN - NS	CHECKED - MA	REVISED - _____
PLOT SCALE = \$SCALES	DATE - 8/8/2024	REVISED - _____
PLOT DATE = \$DATES		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

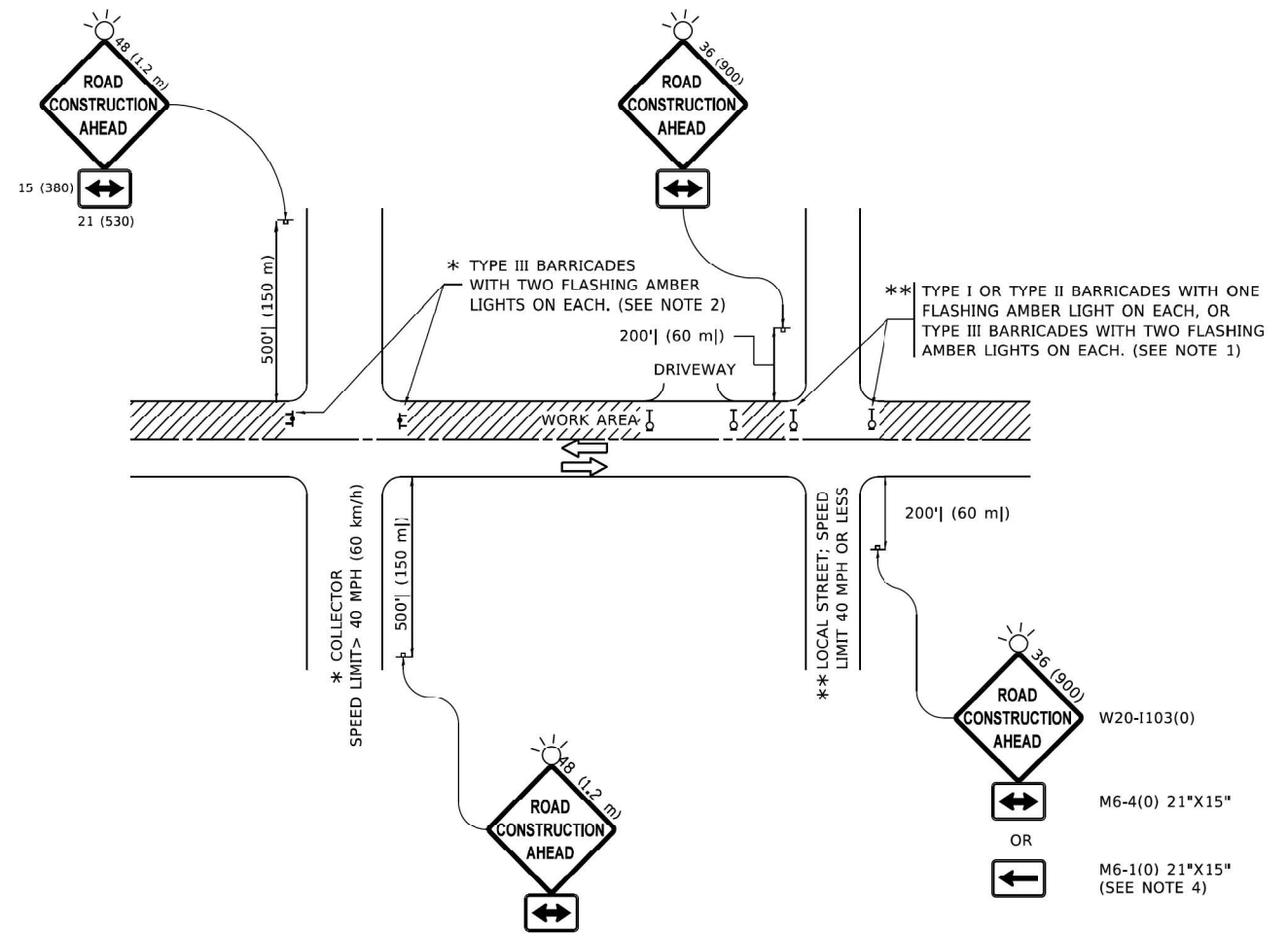
EXISTING RETAINING WALL PLANS (FOR REFERENCE ONLY)
 SCALE: 1:10 SHEET 12 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	42
CONTRACT NO. 62X13				
ILLINOIS FED. AID PROJECT				



USER NAME = \$USERS	DESIGNED - NS	REVISED -
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PLOT DATE = \$DATES	CHECKED - MA	REVISED -
	DATE - 8/8/2024	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	43
CONTRACT NO. 62X13			ILLINOIS FED. AID PROJECT	



NOTES:

1. 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:
 - a) 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.
 - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

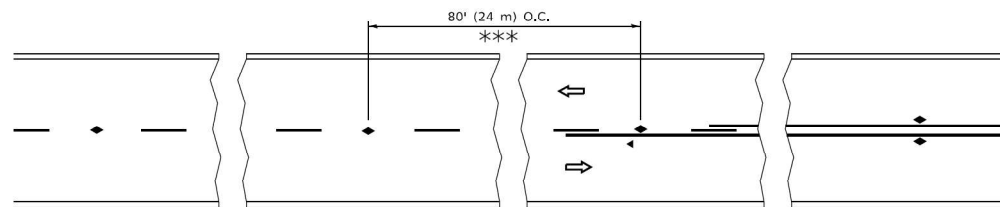
SCALE: 1:10 SHEET 03 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	45
TC-10			CONTRACT NO. 62X13	
ILLINOIS FED. AID PROJECT				

MODEL NUMBER/NAME
FILE NAME: 21151

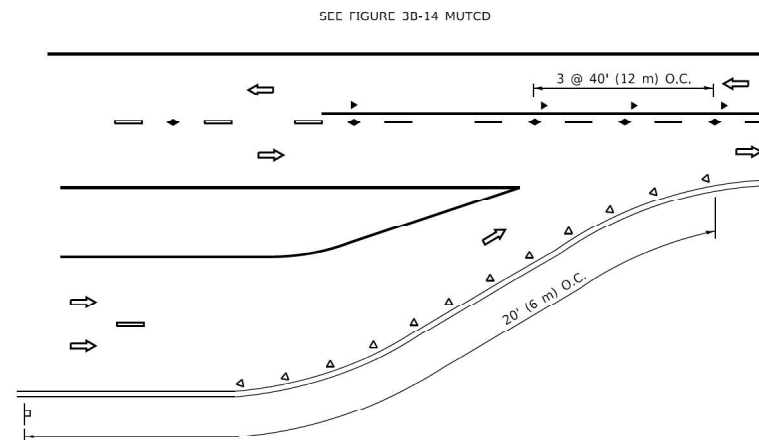
DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, AND SURVEYORS
111 W JACKSON BLVD, SUITE 910
CHICAGO, IL 60604
T 312.377.7700, F 312.427.6145

USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
PLOT SCALE = \$SCALES	DRAWN - NS	REVISED - _____
PLOT DATE = \$DATES	CHECKED - MA	REVISED - _____
	DATE - 9/27/2024	REVISED - _____

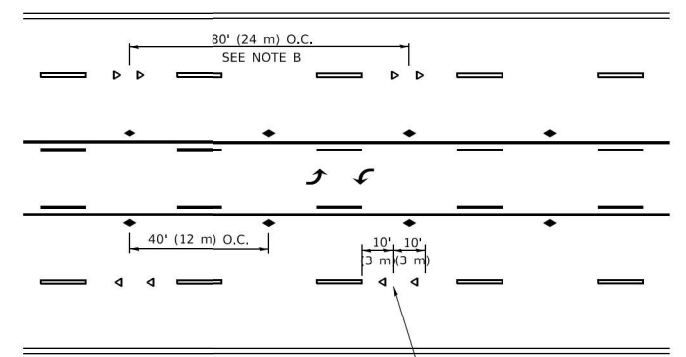


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

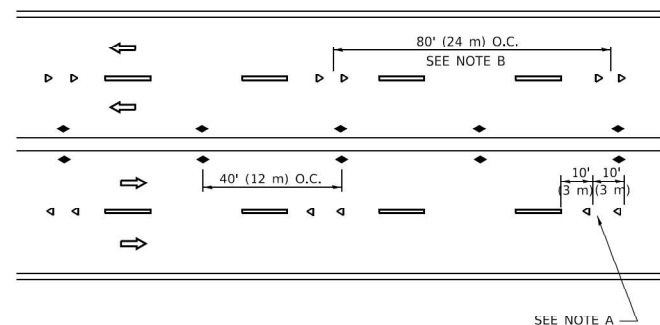
TWO-LANE/TWO-WAY



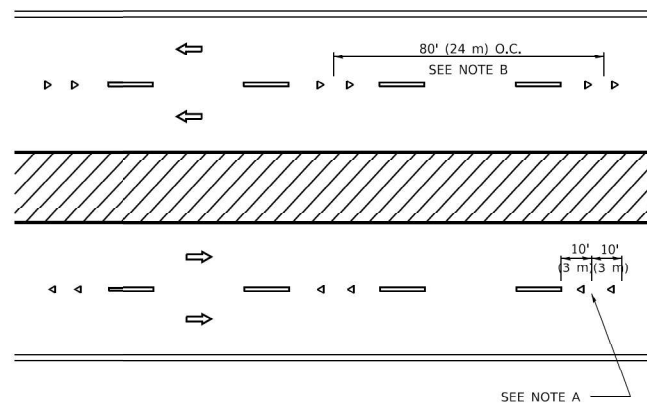
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

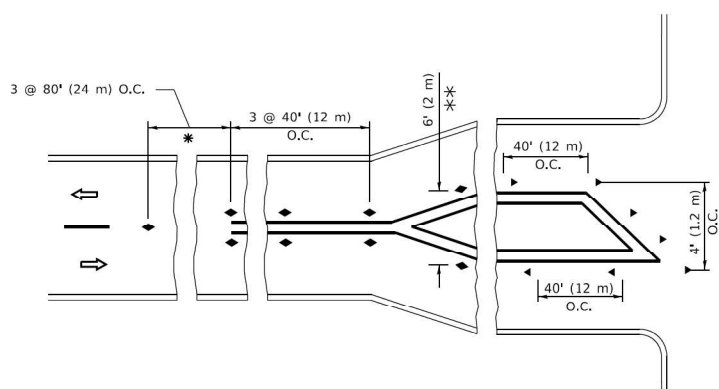
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

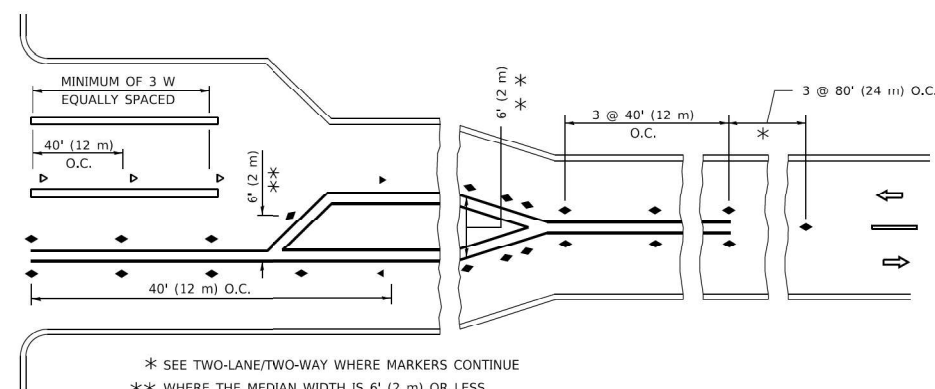
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

MODEL NUMBER/REVIEWS
 FILE NUMBER/REVIEWS

DELTA ENGINEERING GROUP, LLC
 CONSULTING ENGINEERS, CONSTRUCTION MANAGERS, AND SURVEYORS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.277.7700, F 312.427.6145

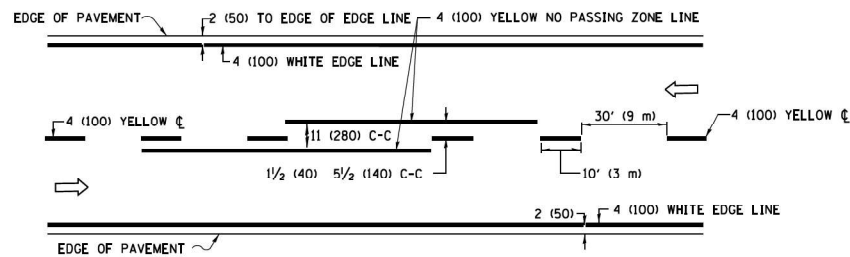
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DRAWN - NS	CHECKED - MA	REVISED - _____
PLOT SCALE = \$SCALE\$	DATE - 9/27/2024	REVISED - _____
PLOT DATE = \$DATE\$		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

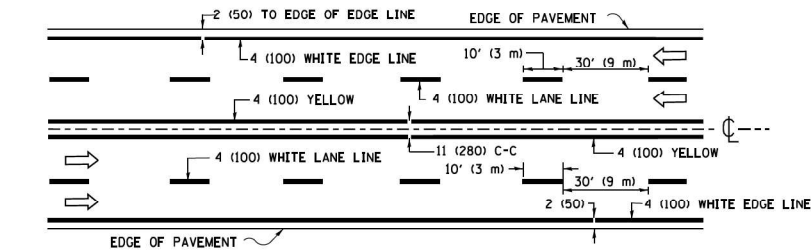
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: 1:10 SHEET 03 OF 13 SHEETS STA. N/A TO STA. N/A

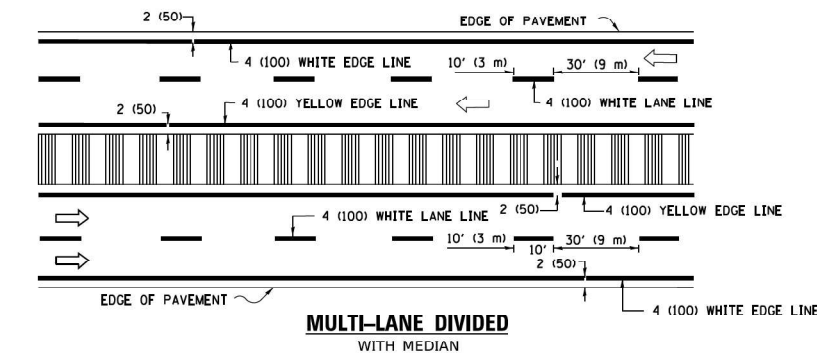
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-1	KANE	48	46
TC-11		CONTRACT NO. 62X13		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

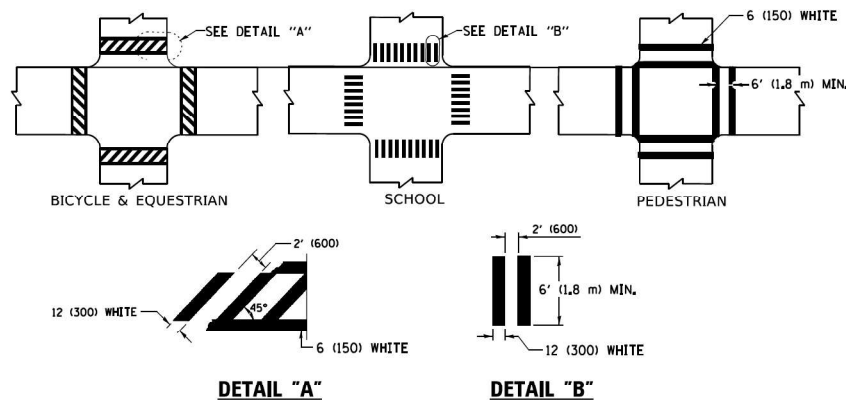


MULTI-LANE UNDIVIDED



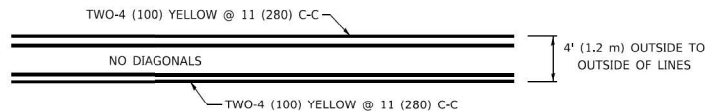
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

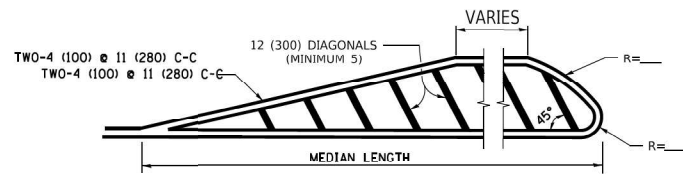


TYPICAL CROSSWALK MARKING

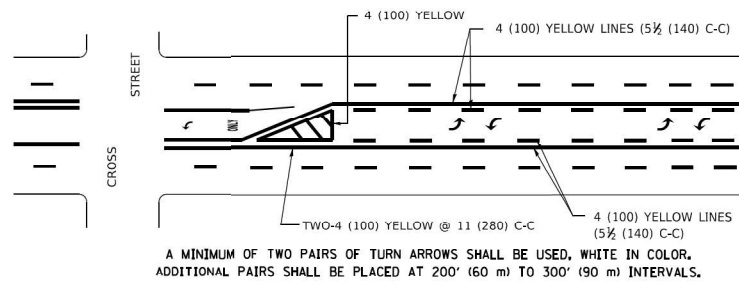
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



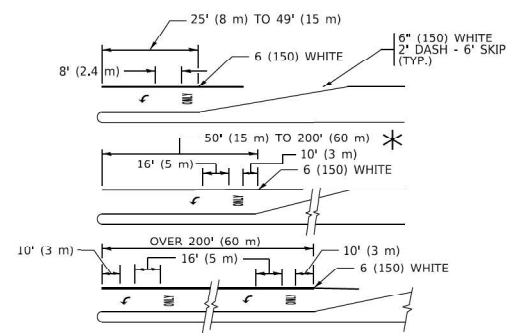
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

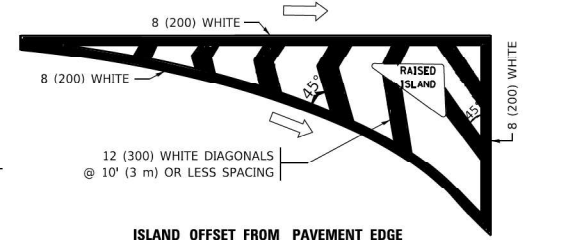


MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING

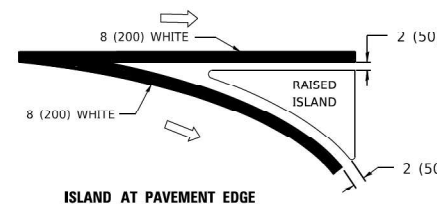


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

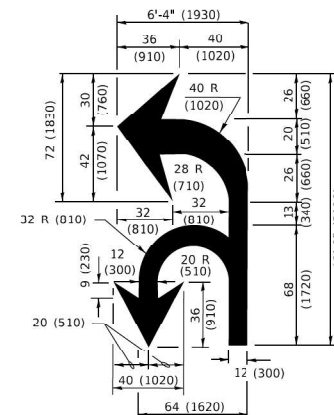


ISLAND OFFSET FROM PAVEMENT EDGE

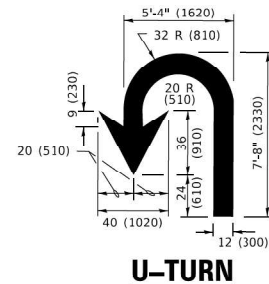


ISLAND AT PAVEMENT EDGE

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	5 1/2 (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; 5 1/2 (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. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2 (600) @ 45° 12 (300) @ 90°	SOLID SOLID	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.

MODEL NUMBER/NAME/FILE NAME/REVIEWS

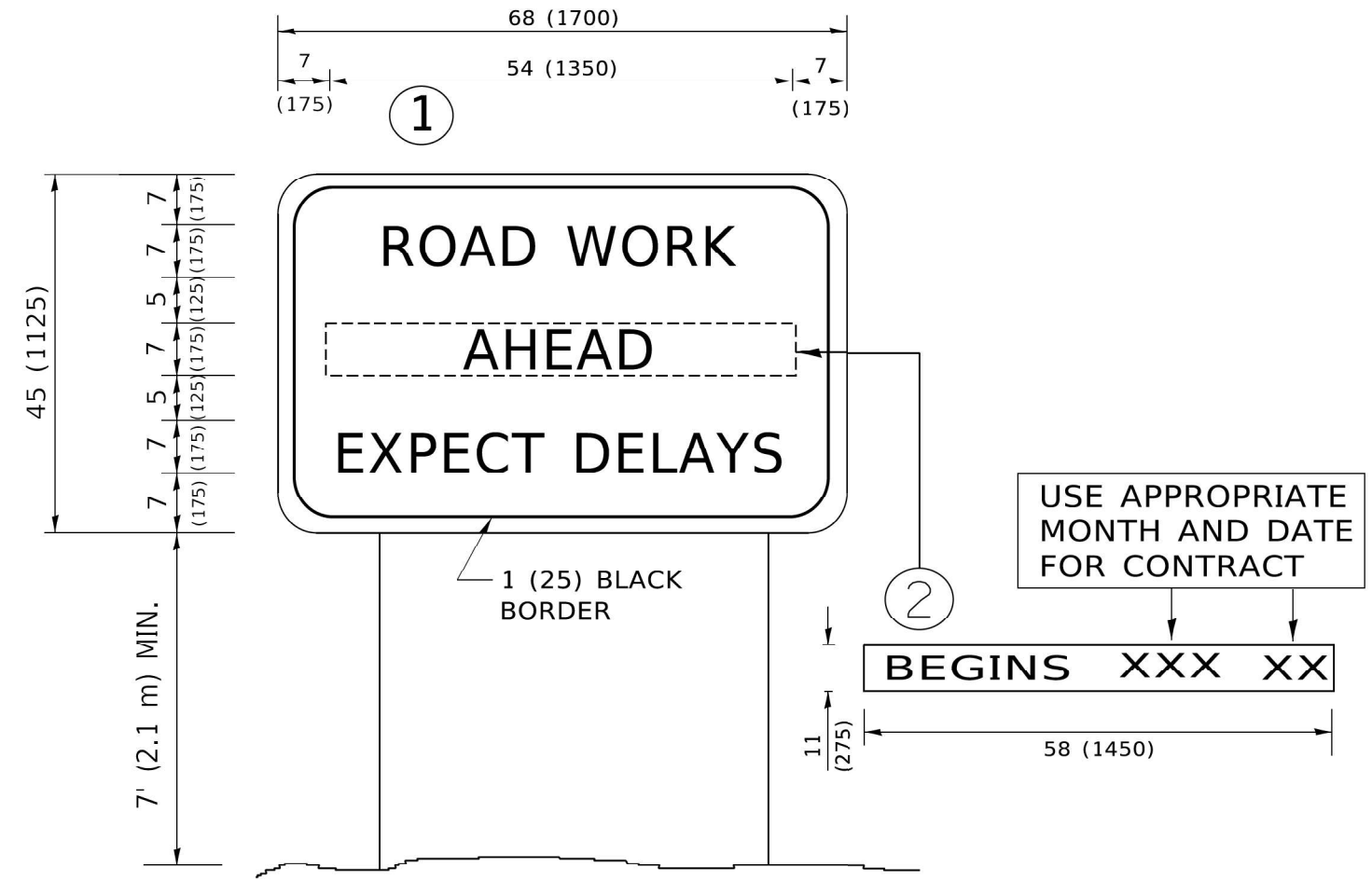


USER NAME = \$USERS	DESIGNED - NS	REVISED -
PLOT SCALE = \$SCALES	DRAWN - NS	REVISED -
PLOT DATE = \$DATES	CHECKED - MA	REVISED -
	DATE - 9/27/2024	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		106	2024-988-I	KANE	48	47
SCALE: N/A		SHEET 06 OF 13 SHEETS		STA. N/A TO STA. N/A	ILLINOIS FED. AID PROJECT	

CONTRACT NO. 62X13	
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NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL NUMBER: N/A
FILE NAME: 21115

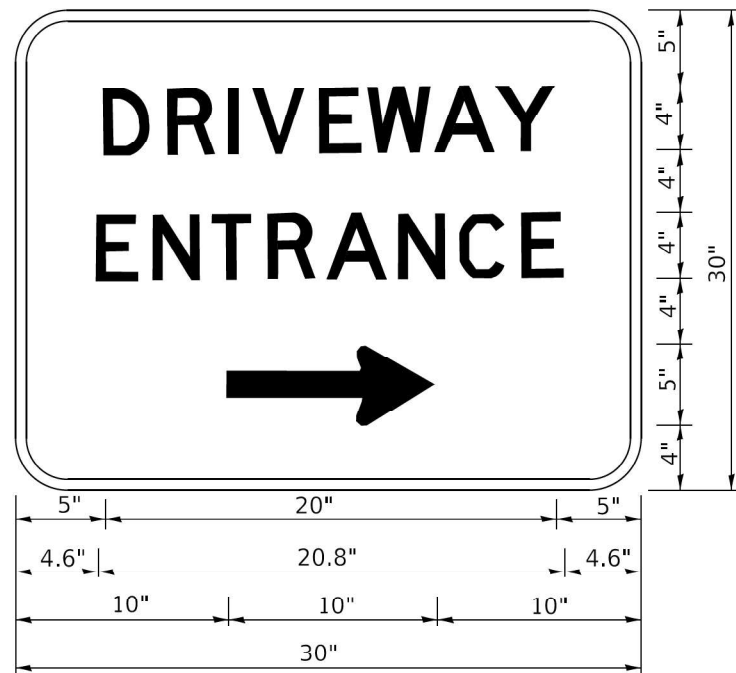
DELTA ENGINEERING GROUP, LLC
CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, AND ENVIRONMENTAL SCIENTISTS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
DRAWN - NS	REVISIONS - _____	
PLOT SCALE = \$SCALES	CHECKED - MA	REVISED - _____
PLOT DATE = \$DATES	DATE - 8/8/2024	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: N/A	SHEET 10 OF 13 SHEETS	STA. N/A	TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-1	KANE	48	48
TC-22		CONTRACT NO. 62X13		
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL NUMBER: 11/15/2015
 FILE NAME: 21115

DELTA ENGINEERING GROUP, LLC
 CONSULTING ENGINEERS, ARCHITECTS, PLANNERS, AND SURVEYORS
 111 W JACKSON BLVD, SUITE 910
 CHICAGO, IL 60604
 T 312.377.7700, F 312.427.6145

USER NAME = \$USERS	DESIGNED - NS	REVISED - _____
DRAWN - NS	CHECKED - MA	REVISED - _____
PLOT SCALE = \$SCALES	DATE - 9/27/2024	REVISED - _____
PLOT DATE = \$DATES		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD
 INFORMATION SIGN

SCALE: N/A SHEET 10 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
106	2024-988-I	KANE	48	48A
TC-26			CONTRACT NO. 62X13	
ILLINOIS FED. AID PROJECT				