

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF ITASCA

STATE OF ILLINOIS 09-20-13 LETTING ITEM 015
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID PROJECT**
**MAPLE STREET
 OVER SPRING BROOK CREEK
 STRUCTURE REPLACEMENT**
SECTION 08-00057-00-BR
PROJECT: BRM-8003(995)
VILLAGE OF ITASCA
DUPAGE COUNTY
JOB: C-91-381-08

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT		
1		BRM-8003(995)		

CONTRACT NO. 63775



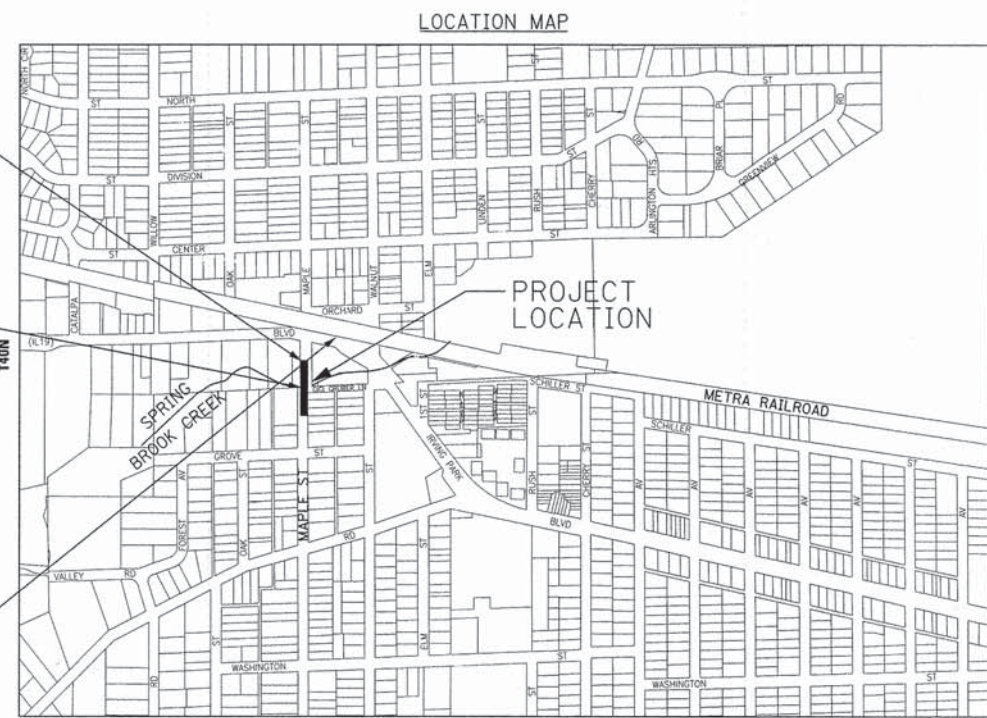
TRAFFIC DATA
 MAPLE STREET
 POSTED SPEED LIMIT = 25 MPH
 DESIGN SPEED LIMIT = 30 MPH
 2009 ADT = 556 VPD
 2030 ADT = 657 VPD

DESIGN DESIGNATION
 MAPLE STREET: LOCAL ROAD

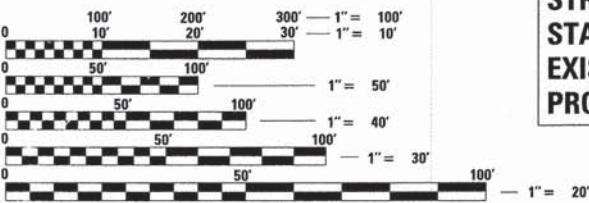
**MAPLE STREET
 IMPROVEMENT ENDS
 STA 12+45**

**STRUCTURE REPLACEMENT
 STA. 11+09.71
 EXISTING SN 022-6601
 PROPOSED SN 022-6602**

**MAPLE STREET
 IMPROVEMENTS BEGINS
 STA 9+00**



SECTION 8, T40N, R11E, OF THE THIRD PRINCIPAL MERIDIAN
 ADDISON TOWNSHIP
 GROSS LENGTH OF IMPROVEMENT = 252 LF OR 0.048 MILES
 NET LENGTH OF IMPROVEMENT = 252 LF OR 0.048 MILES

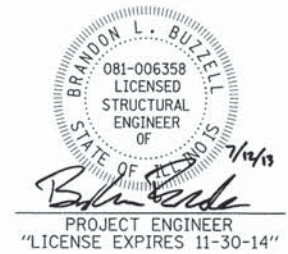


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. DESIGN STAGE REQUEST
 DIG. No. X2151482

Call Before You Dig
JULIE
 ILLINOIS ONE-CALL SYSTEM

CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
 COUNTY = DUPAGE
 CITY-TOWNSHIP = ADDISON
 SEC. & 1/4 SEC. NO. = 8
 48 HOURS (2 working days) BEFORE YOU DIG



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED July 16, 2013
David Stettin
 VILLAGE OF ITASCA, DIRECTOR OF PUBLIC WORKS

PASSED July 16, 2013
C. Holt
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED REVIEW
July 17, 2013
John Fortman
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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 OF THE STATE OF ILLINOIS**

CONTRACT NO. 63775

B&W PROJECT NO. 071648

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847)705-4406 SCHAUMBURG, IL

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS ABBREVIATIONS AND SYMBOLS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-01	DEPRESSED CORNER FOR SIDEWALKS
515001-03	NAME PLATE FOR BRIDGES
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAINS
602301-03	INLET - TYPE A
602401-03	MANHOLE - TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT TOP SLAB
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE I
604051-03	FRAME AND LIDS TYPE II
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-04	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE, MULTILANE IN OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS (SIGNS, MARKERS AND DELINEATORS)
780001-03	TYPICAL PAVEMENT MARKINGS

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DISTRICT ONE STANDARD DETAILS

BD22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD32	BUTT JOINT AND HMA TAPER DETAILS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS AND
DISTRICT ONE STANDARD DETAILS

SCALE: NONE

STA. TO STA.

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-8003/9951	

GENERAL NOTES

1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
2. THE LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED IN THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. IF A CONFLICT WITH A SPRINKLER SYSTEM IS ENCOUNTERED, THE CONTRACTOR SHALL MODIFY AND RELOCATE THE SYSTEM AS NECESSARY TO ENSURE EQUIVALENT PERFORMANCE. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
4. ALL SAW CUTTING SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM INDICATED FOR REMOVAL.
5. ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR A FLUORESCENT VEST PER ARTICLE 701.12 AND 701.13 OF THE STANDARD SPECIFICATIONS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE CONTRACT.
6. THE CONTRACTOR SHALL REPLACE ALL STREET SIGNS AND MAIL BOXES REMOVED DURING CONSTRUCTION AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION OR AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.
7. ALL OPEN HOLE, BROKEN PAVEMENT AND TRENCHES RESULTING FROM STRUCTURE ADJUSTMENTS, OR CURB REPAIRS WORK SHALL BE BACKFILLED TO GRADE BY THE END OF THE DAY.
8. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED)
9. 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
10. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE VILLAGE OF ITASCA PUBLIC WORKS DEPARTMENT, AND BAXTER AND WOODMAN, INC.
11. THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
12. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETING EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
13. THE CONTRACTOR SHALL NOTIFY VILLAGE PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
14. MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE ENGINEER, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE ENGINEER WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
15. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING" BAN IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE OF ITASCA WATER IF DEEMED NECESSARY.
16. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".

17. THE PRIME COAT APPLICATION RATE SHALL BE 0.1 GAL/SY. THE CONTRACTOR SHALL PRIME IMMEDIATELY PRECEDING THE PAVING OPERATION.
18. THE DAYS PAVING OPERATION SHALL RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
19. ANY ANTI-STRIPPING ADDITIVE REQUIRED SHALL BE INCLUDED IN THE COST OF THE SURFACE COURSE.
20. THE CONTRACTOR SHALL NOTIFY IDOT BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS PRIOR TO THE PLACEMENT OF HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.
21. EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL PAY ITEM.
22. CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
23. IN AREAS WITH CURB & GUTTER REMOVAL AND REPLACEMENT, THE FINISHED HOT-MIX ASPHALT SURFACE SHALL BE CONSTRUCTED 0.25-INCH ABOVE THE GUTTER FLAG.
24. NEW OR REPLACEMENT CLOSED LIDS SHALL BE STAMPED TO INDICATE THE STRUCTURE TYPE. STORM LIDS SHALL BE STAMPED WITH "STORM", SANITARY LIDS SHALL BE STAMPED WITH "SANITARY" AND WATER VALVE VAULT LIDS SHALL BE STAMPED WITH "WATER". STAMPING SHALL BE INCLUDED IN THE COST OF THE NEW LID. ALL NEW TYPE 1 OPEN LIDS SHALL BE BICYCLE SAFE.
25. CONNECTION OF PROPOSED STORM SEWER INTO EXISTING STORM SEWER OR EXISTING STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF STORM SEWERS.
26. CONNECTION OF EXISTING STORM SEWER INTO PROPOSED STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE.
27. ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS."
28. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE.
29. CURB AND GUTTER AND DRIVEWAYS PROVIDING ACCESS SHALL BE REMOVED AND REPLACED WITHIN 3 DAYS.
30. FOR STEEL BARS CERTIFICATION, PLEASE CONTACT IDOT BUREAU OF MATERIALS AT (847) 705-4337.
31. ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE EXISTING STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE IN ADDITION TO THE REQUIREMENTS FOR MANHOLES TO BE ADJUSTED AND SHALL BE PAID FOR ONCE AT THE CONTRACT UNIT PRICE FOR MANHOLES TO BE ADJUSTED.

32. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.
33. A 1/2-INCH EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK-5 INCH.
34. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A CAST-IN-PLACE "ARMOR-TILE" 24"x48" NOMINAL PANEL WIDTH AS MANUFACTURED BY "ENGINEERED PLASTICS INC." (800) 682-2525 OF WILLIAMSVILLE, NY OR AN APPROVED EQUAL. THE PANEL SHALL BE A POLYMER COMPOSITE AND COMPLY WITH ADA REQUIREMENTS. THE PANEL COLOR SHALL BE SELECTED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
35. THE DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT SHOWN IN THE PLANS SHALL BE MODIFIED TO INCLUDE THE FOLLOWING. THE WORK SHALL INCLUDE SAW-CUTTING AND REMOVING THE EXISTING PAVEMENT A MINIMUM OF 6-INCHES MEASURED FROM THE EXISTING EDGE OF PAVEMENT, AND FILLING THE 6" GAP WITH CLASS SI CONCRETE TO AN ELEVATION 2-1/2" BELOW THE PROPOSED CURB AND GUTTER FLAG. IF THE CONCRETE IS POURED HIGHER THAN 2-1/2" FROM THE GUTTER FLAG FOR STREETS TO BE RESURFACED, THE CONTRACTOR WILL BE REQUIRED TO GRIND ADDITIONAL CONCRETE TO THE REQUIRED 2-1/2" DEPTH. THE AREA BEHIND THE PROPOSED CURB AND GUTTER SHALL BE RESTORED WITH NATIVE SOD IN ACCORDANCE WITH SECTION 1081.03 RATHER THAN SALT TOLERANT SOD.
36. THE SURVEY DATUM USED FOR THIS PROJECT IS NAVD 88.
37. THIS PROJECT REQUIRES OBTAINING A DUPAGE COUNTY PERMIT (DEC TRACKING NO. T37896). AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DEWATERING SYSTEM PLAN AND DETAILED DRAWINGS OF THE COFFERDAMS TO THE COUNTY FOR REVIEW PRIOR TO ANY CONSTRUCTION COMMENCING. PERMIT SUBMITTAL REQUIREMENTS CAN BE FOUND IN THE SPECIAL PROVISIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PAY ITEM THREE SIDED PRECAST CONCRETE STRUCTURES 32"x8.5'.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: NONE STA. TO STA.

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63775
				BRN-8003/9951

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	HBP FUNDS (80% FED/ 20% LOCAL)	100% LOCAL
				CONSTRUCTION TYPE CODE 0011	NON-PARTICIPATING 0043
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48	48	
20200100	EARTH EXCAVATION	CU YD	425	425	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	509	509	
20800150	TRENCH BACKFILL	CU YD	396	396	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1114	1114	
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	772	772	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10	
* 25100630	EROSION CONTROL BLANKET	SQ YD	772	772	
* 25200110	SODDING, SALT TOLERANT	SQ YD	772	772	
28000400	PERIMETER EROSION BARRIER	FOOT	507	507	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	
28000510	INLET FILTERS	EACH	9	9	
28100107	STONE RIPRAP, CLASS A4	SQ YD	320	320	
28200200	FILTER FABRIC	SQ YD	320	320	
SP 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	272	272	
SP 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1091	1091	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	272	272	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	668	668	
40600300	AGGREGATE (PRIME COAT)	TON	6	6	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	5	5	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	37	37	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	11	11	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	916	916	
42001300	PROTECTIVE COAT	SQ YD	376	376	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2416	2416	
42400800	DETECTABLE WARNINGS	SQ FT	70	70	
44000100	PAVEMENT REMOVAL	SQ YD	875	875	

* DENOTES SPECIALTY ITEM
SP DENOTES ITEMS COVERED BY SPECIAL PROVISION

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	HBP FUNDS (80% FED/ 20% LOCAL)	100% LOCAL
				CONSTRUCTION TYPE CODE 0011	NON-PARTICIPATING 0043
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	126	126	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	579	579	
44000600	SIDEWALK REMOVAL	SQ FT	1769	1769	
SP 44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	20	20	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50200300	COFFERDAM EXCAVATION	CU YD	305	305	
SP 50201103	COFFERDAM (TYPE 1) (LOCATION - 3)	EACH	1	1	
SP 50201104	COFFERDAM (TYPE 1) (LOCATION - 4)	EACH	1	1	
SP 50201105	COFFERDAM (TYPE 1) (LOCATION - 5)	EACH	1	1	
SP 50201106	COFFERDAM (TYPE 1) (LOCATION - 6)	EACH	1	1	
SP 50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1	
SP 50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1	
50300225	CONCRETE STRUCTURES	CU YD	116.9	116.9	
50300285	FORM LINER TEXTURED SURFACE	SQ FT	1046		1046
50500505	STUD SHEAR CONNECTORS	EACH	483	483	
50800105	REINFORCEMENT BARS	POUND	4670	4670	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3240	3240	
51500100	NAME PLATES	EACH	1	1	
542A0215	PIPE CULVERTS, CLASS A, TYPE 1 10"	FOOT	15	15	
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	122	122	
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	30	30	
550A2380	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	FOOT	8	8	
55100400	STORM SEWER REMOVAL 10"	FOOT	58	58	
55100500	STORM SEWER REMOVAL 12"	FOOT	112	112	
55100700	STORM SEWER REMOVAL 15"	FOOT	30	30	
55101400	STORM SEWER REMOVAL 30"	FOOT	8	8	
* 56100030	DUCTILE IRON WATER MAIN TEE, 10" X 6"	EACH	1	1	
* 56100035	DUCTILE IRON WATER MAIN TEE, 10" X 8"	EACH	1	1	
SP * 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	48	48	
SP * 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	224	224	

* DENOTES SPECIALTY ITEM
SP DENOTES ITEMS COVERED BY SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

MUN ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-8003(995)	

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	HBP FUNDS (80% FED/ 20% LOCAL)	100% LOCAL
				CONSTRUCTION TYPE CODE 0011	NON-PARTICIPATING 0043
SP *	56105100	WATER VALVES 10"	EACH	2	2
SP *	56105700	INSERTING VALVES 10"	EACH	2	2
SP *	56109422	DUCTILE IRON WATER MAIN FITTINGS 10" 45.00 DEGREE BEND	EACH	4	4
SP *	56109434	DUCTILE IRON WATER MAIN FITTINGS 8" 90.00 DEGREE BEND	EACH	2	2
SP *	56109436	DUCTILE IRON WATER MAIN FITTINGS 10" 90.00 DEGREE BEND	EACH	2	2
SP *	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1
	60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	4	4
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	4	4
SP *	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4
	60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3
	60500040	REMOVING MANHOLES	EACH	1	1
	60500050	REMOVING CATCH BASINS	EACH	1	1
	60500060	REMOVING INLETS	EACH	7	7
SP *	60600605	CONCRETE CURB, TYPE B	FOOT	36	36
	60900515	CONCRETE THRUST BLOCKS	EACH	3	3
	63200310	GUARDRAIL REMOVAL	FOOT	195	195
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10
	67100100	MOBILIZATION	L SUM	1	1
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	108	108
*	A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
*	A2004568	TREE, GINKGO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER BALLED AND BURLAPPED	EACH	1	1
*	A2005316	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
*	A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
SP	X0326671	CONCRETE SURFACE COLOR TREATMENT	SQ FT	2222	2222

* DENOTES SPECIALTY ITEM
 SP DENOTES ITEMS COVERED BY SPECIAL PROVISION

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	HBP FUNDS (80% FED/ 20% LOCAL)	100% LOCAL
				CONSTRUCTION TYPE CODE 0011	NON-PARTICIPATING 0043
SP *	X0324931	DUCTILE IRON SLEEVE, 8"	EACH	1	1
SP	X6060075	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (SPECIAL)	FOOT	605	605
SP	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100
SP	X4023000	TEMPORARY ACCESS (ROAD)	EACH	3	3
SP *	X5090810	PEDESTRIAN RAIL (SPECIAL)	FOOT	181	181
SP *	X5091755	PARAPET RAILING, SPECIAL	FOOT	73	73
SP	X5121800	PERMANENT STEEL SHEET PILING	SQ FT	3445	3445
SP *	X5610110	DUCTILE IRON WATER MAIN FITTING - 10" PLUG	EACH	1	1
SP *	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	1	1
SP *	X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	2	2
SP *	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1	1
SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
SP *	XX003528	DUCTILE IRON WATER MAIN FITTING - 8" PLUG	EACH	1	1
SP *	XX008832	DUCTILE IRON SLEEVE, 10"	EACH	2	2
SP *	XX008839	WATER MAIN TO BE ABANDONED	L SUM	1	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
SP	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	4	4
SP	Z0019600	DUST CONTROL WATERING	UNIT	40	40
SP	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	54.6	54.6
SP	X5040050	PRECAST CONCRETE SUBSTRUCTURE	L SUM	1	1
	Z0056646	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	58	58
SP *	Z0057000	SANITARY SEWER 10"	FOOT	25	25
SP *	Z0057200	SANITARY SEWER 15"	FOOT	118	118
SP *	Z0067200	STEEL CASING 24"	FOOT	140	140
SP	Z0076600	TRAINEES	HOURL	500	500 ★
SP	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500 ★
SP	Z0038139	THREE-SIDED PRECAST CONCRETE STRUCTURES 32X 8.5'	FOOT	58.5	58.5
SP *	X6026300	MANHOLES, DROP TYPE, TYPE A (SPECIAL)	EACH	1	1

* DENOTES SPECIALTY ITEM
 SP DENOTES ITEMS COVERED BY SPECIAL PROVISION
 ★ CONSTRUCTION TYPE CODE 0042

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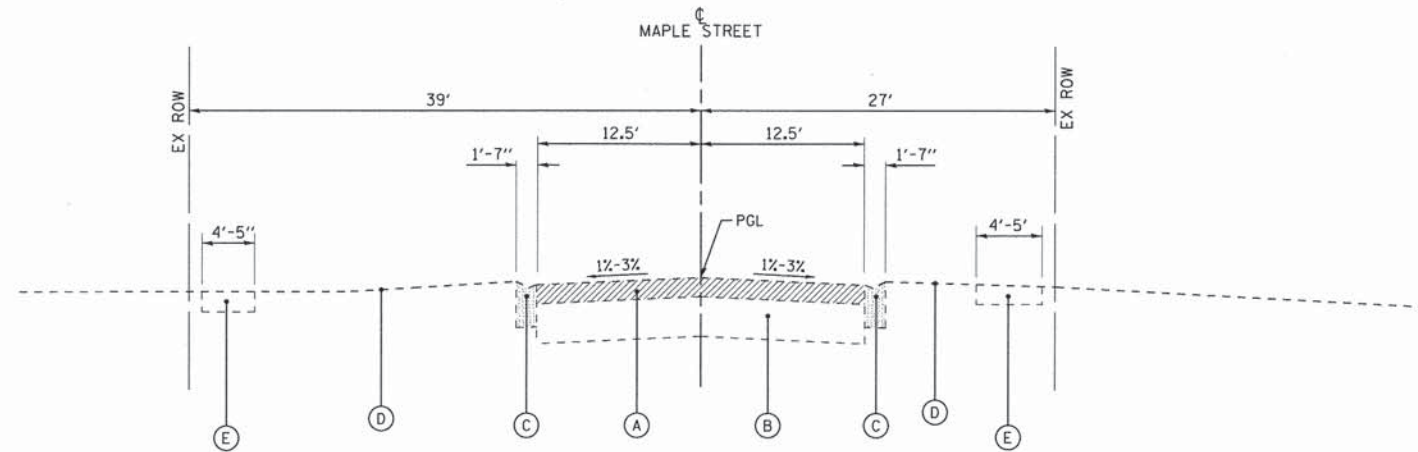
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 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

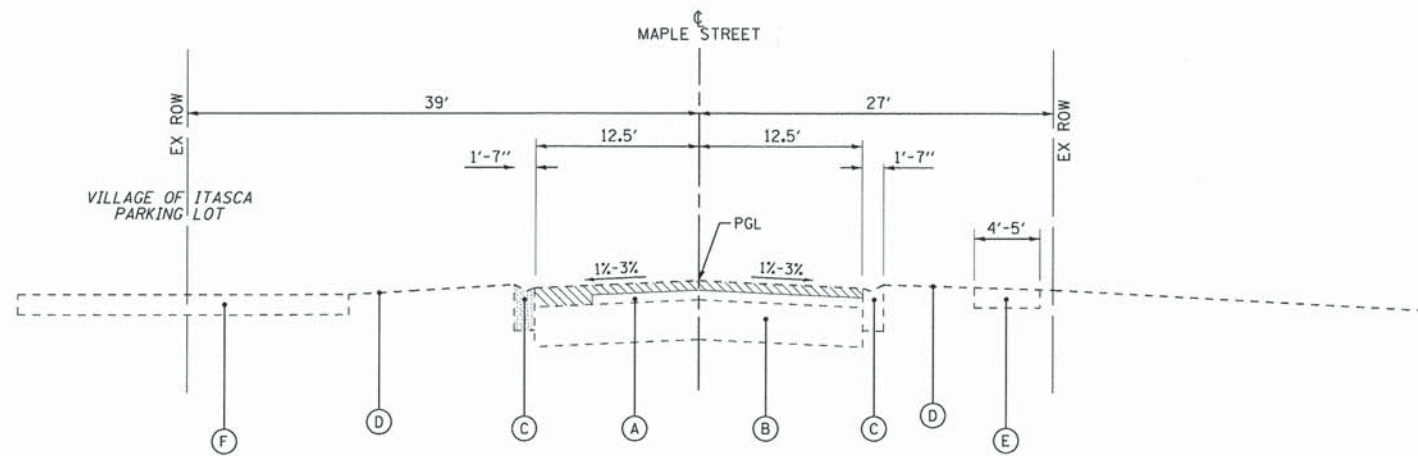
MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-80039951	



**EXISTING TYPICAL SECTION
MAPLE STREET**

STA 9+00 TO STA 11+80
BRIDGE OMISSION STA 10+91.62 TO STA 11+27.80

- EXISTING LEGEND**
- (A) EXISTING HMA PAVEMENT - (4" AVG. DEPTH)
 - (B) LIMESTONE AND CRUSHED ASPHALT- 14"
 - (C) EXISTING COMB CONC CURB & GUTTER, TYPE B-6.12 (SPECIAL)
 - (D) EXISTING GROUND
 - (E) EXISTING SIDEWALK
 - (F) EXISTING PARKING LOT
 - [Hatched Box] PAVEMENT REMOVAL
 - [Diagonal Lines Box] HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
 - [Cross-hatched Box] COMBINATION CONCRETE CURB AND GUTTER REMOVAL



**EXISTING TYPICAL SECTION
MAPLE STREET**

STA 11+80 TO STA 12+45

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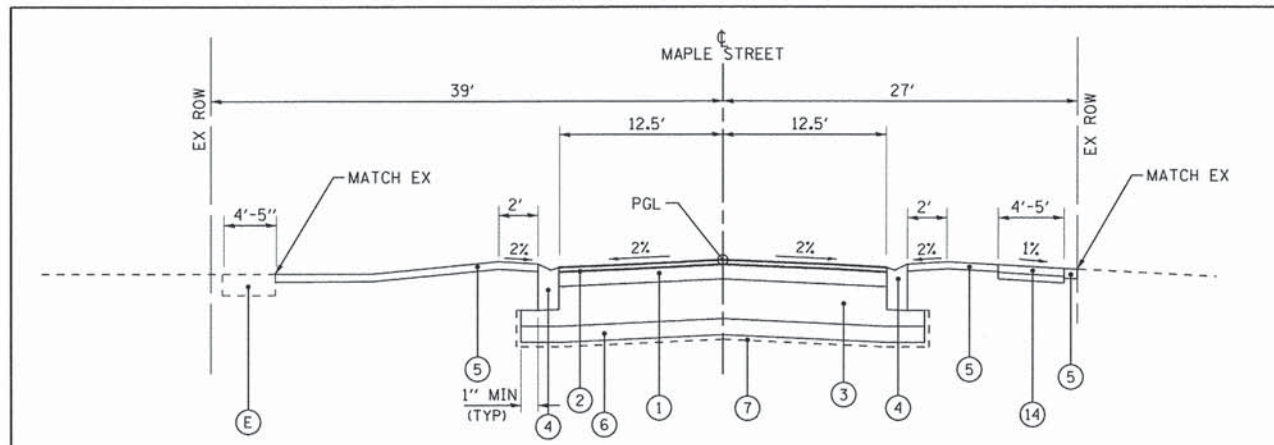
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TYPICAL SECTIONS

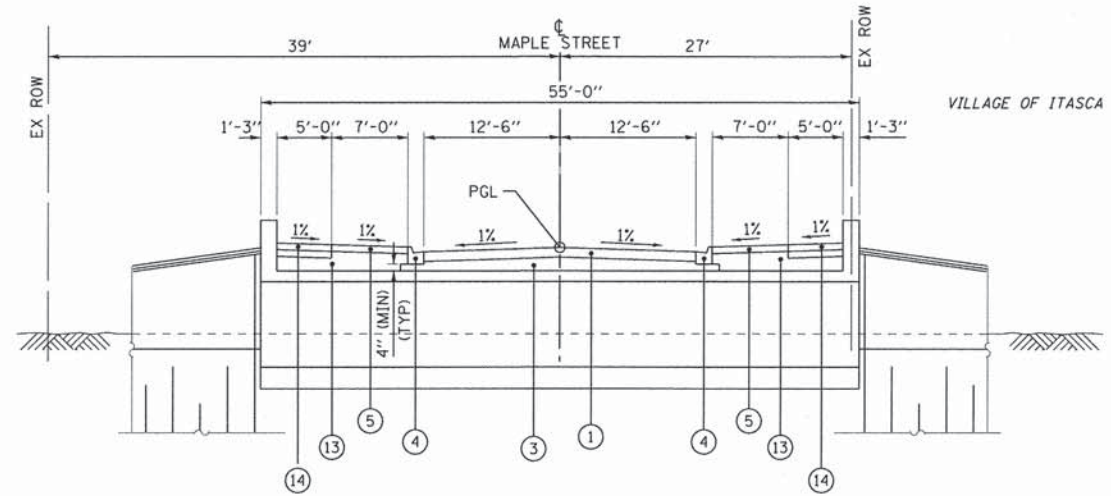
SCALE: NONE

STA. TO STA.

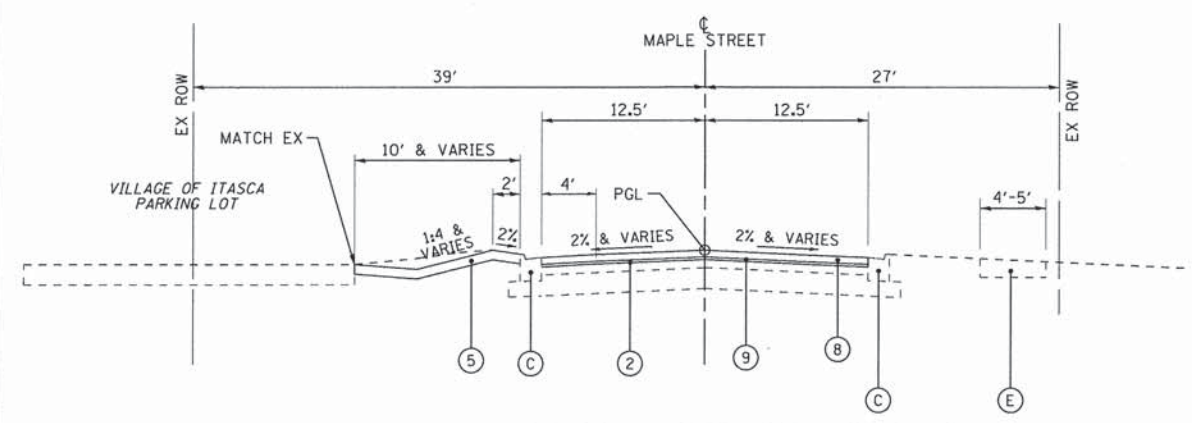
MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-800319951	



**PROPOSED TYPICAL SECTION
MAPLE STREET**
STA 9+00 TO STA 12+00
BRIDGE OMISSION STA 10+91.62 TO STA 11+27.80



**PROPOSED TYPICAL SECTION AT 3-SIDED CONCRETE STRUCTURE
MAPLE STREET**
STA 10+91.62 TO STA 11+27.80



**PROPOSED TYPICAL SECTION
MAPLE STREET**
STA 12+00 TO STA 12+45

NOTES:

- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED TO REPLACE SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH COARSE AGGREGATE FOR AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY USE OF CONE PENETROMETER OR PROOFROLLING. IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH COARSE AGGREGATE. THE REMOVAL AND REPLACEMENT AREA SHALL EXTEND TO 12 INCHES BEYOND THE BACK OF CURB AND GUTTER AND COME UP AT A 1:1 SLOPE TO AGGREGATE SUBGRADE IMPROVEMENT 12". THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL." ANY COARSE AGGREGATE AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR GROUND STABILIZATION NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT.
- SEE PLAN AND PROFILE FOR TRANSITION LOCATIONS FROM COMBINATION CONCRETE CURB AND GUTTER M-2.12 (SPECIAL) TO COMBINATION CONCRETE CURB AND GUTTER B-6.12 (SPECIAL).

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT - (4" AVG. DEPTH)
- (B) LIMESTONE AND CRUSHED ASPHALT- 14"
- (C) EXISTING COMB CONC CURB & GUTTER, TYPE B-6.12 (SPECIAL)
- (D) EXISTING GROUND
- (E) EXISTING SIDEWALK
- (F) EXISTING PARKING LOT
- [Hatched Box] PAVEMENT REMOVAL
- [Diagonal Lines Box] HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- [Grid Box] COMBINATION CONCRETE CURB AND GUTTER REMOVAL

PROPOSED LEGEND

- (1) FULL DEPTH PAVEMENT, 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50-2"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50-4"
- (2) BITUMINOUS MATERIALS (PRIME COAT)
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (SPECIAL) (FLAG DEPTH - 9" MIN)
- (5) TOPSOIL FURNISH AND PLACE, 6"
- SODDING, SALT TOLERANT
- EROSION CONTROL BLANKET
- (6) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
- (7) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (9) LEVELING BINDER (MACHINE METHOD), N50 - 3/4"
- (10) NOT USED
- (11) CLASS D PATCHES, TYPE IV 6-INCH
- (12) AGGREGATE BASE COURSE, TYPE B 9" & EARTH EXCAVATION (INCLUDED IN THE COST OF CLASS D PATCHES, TYPE IV, 6 INCH)
- (13) EMBANKMENT
- (14) PCC SIDEWALK, 5-INCH
- AGGREGATE BASE COURSE TYPE B, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

NOTE: THE CONTRACTOR SHALL PATCH BEFORE MILLING.

MIXTURE TYPE	AIR VOIDS @ Ndes
FULL DEPTH PAVEMENT, 6"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4" (IN 2 LIFTS)	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm); TYPE III - IV - 6" (2 LIFTS)	4% @ 70 GYR
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MM) MIX "D", N50; 3/4"	3.5% @ 50 GYR

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22 AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-28" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS." FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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DATE - 7/17/13	FILE - 071648-TypSec2.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE: NONE	STA. TO STA.

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63775
				BRM-80039951

PAVEMENT SCHEDULE

LOCATION	FROM STATION	TO STATION	LENGTH (FT)	AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)		BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)		HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6" (SQ)		HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50		LEVELING BINDER (MACHINE METHOD), N50		
				WIDTH (FT)	12" - AREA (SQ YD)	AREA (SQ YD)	QUANTITY (GALLON)	AREA (SQ YD)	QUANTITY (TON)	WIDTH (FT)	8" - AREA (SQ YD)	WIDTH (FT)	AREA (SQ YD)	AREA (SQ YD)	1 1/2" - AREA (TON)	AREA (SQ YD)	1 1/2" (TON)	
PAVEMENT RECONSTRUCTION:																		
MAPLE ST:																		
	9+00	10+73	173	28.0	726	614	430	614	3.7	25.0	614							
	10+93	11+28	35	28.0	122	101	71	101	0.6	25.0	101							
	11+28	12+00	72	28.0	243	201	141	201	1.2	25.0	201							
PAVEMENT RESURFACING:																		
MAPLE ST:																		
	12+00	12+45	45			126	26	126	0.5			12	126	126	11	126	5	
				TOTALS:			1,091		668		6		916		126		11	5

TREE SCHEDULE

STA	OFFSET	SIDE	TREE TYPE
10+62	34.9'	LEFT	HB
10+92	53.1'	RIGHT	GB
11+54	30.6'	RIGHT	AS
11+72	30.9'	RIGHT	AL

COMMON NAME	BOTANICAL NAME
HB = COMMON HACKBERRY	CELTIS OCCIDENTALIS
GB=MAGYAR ARISTOCRAT GINKO	GINKGO BILOBA MAGYAR ARISTOCRAT
AS=AMERICAN SWEETGUM	LIQUIDAMBAR STYRACFLUA
AL=AMERICAN LINDEN/BASSWOOD	TILIA AMERICANA

LOCATION	1	2	3	4	5	6	7	8	9	10	
STA TO STA	UNDERCUT AND AGG SUBGRADE IMPROVEMENT (roadway approaches only) (CY)	UNSUITABLE EXCAVATION (TOPSOIL) (CY)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CY)	EARTH EXCAVATION (CY)	UTILITY EXCAVATION (CY)	STRUCTURE EXCAVATION (CY)	TOTAL SUITABLE EXCAVATION (CY)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)	
MAPLE STREET:											
09+00	10+00	92.6	89.2	181.8	158.8	0.0	0.0	158.8	135.0	26.1	108.9
10+00	10+50	46.3	41.6	87.9	75.5	0.0	0.0	75.5	64.2	21.4	42.8
10+50	11+00	34.3	25.8	60.0	79.8	0.0	0.0	79.8	67.8	37.8	30.0
11+00	11+50	11.1	16.7	27.8	17.8	0.0	0.0	17.8	15.1	49.0	-33.9
11+50	12+00	46.3	47.1	93.4	56.2	0.0	0.0	56.2	47.8	69.1	-21.3
12+00	12+45	41.7	16.9	58.6	0.0	0.0	0.0	0.0	8.4	-8.4	
SPRING BROOK CREEK:											
50+14.26	50+34.21	0.0	0.0	0.0	8.6	0.0	0.0	8.6	7.3	0.0	7.3
50+34.21	50+41	0.0	0.0	0.0	1.9	0.0	0.0	1.9	1.6	0.1	1.5
50+41	50+59	0.0	0.0	0.0	3.9	0.0	0.0	3.9	3.3	11.7	-8.4
50+59	50+70.10	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3	13.7	-13.4
51+30	51+38.48	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	1.7	-1.5
51+38.48	51+43	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.4	0.4	0.0
51+43	51+59	0.0	0.0	0.0	4.9	0.0	0.0	4.9	4.1	1.4	2.7
51+59	51+76	0.0	0.0	0.0	10.0	0.0	0.0	10.0	8.5	0.3	8.2
51+76	51+86	0.0	0.0	0.0	6.4	0.0	0.0	6.4	5.4	0.4	5.0
TOTALS											
		272	237	509	425	0	0	425	361	241.4	120

EARTHWORK SUMMARY

EARTH EXCAVATION	425	CU YD
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	509	CU YD
AGGREGATE SUBGRADE IMPROVEMENT	272	CU YD
FURNISHED EXCAVATION	0	CU YD

- Column 1 = Assume 100% of Agg Subgrade Improvement 12" area in roadway at 12" Depth (Above Box Culvert)
- Column 2 = 12" Topsoil Depth
- Column 3 = Column 1 + Column 2
- Column 4 = From X Section end areas
- Column 5 = Storm, Sanitary, Water, Utility Excavation - Incidental to related pay items
- Column 6 = Included in the cost of the removal of structure and installation of the Precast Concrete Structure
- Column 7 = Column 4 + Column 5 + Column 6
- Column 8 = Column 8 x (0.85)
- Column 9 = From X Section end areas
- Column 10 = Column 9 - Column 10

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SCHEDULE OF QUANTITIES

SCALE: NONE STA. TO STA.

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63775
				BRM-8003(995)

BENCHMARKS:

BM #1390 - CHISELED SQUARE AT SOUTH END OF WEST WINGWALL STA 10+83, 17.7' LT ELEV 684.00 (NAVD 88 DATUM)

PROPOSED TREE (TYP) SEE SCHEDULE OF QUANTITIES FOR TYPES AND LOCATIONS

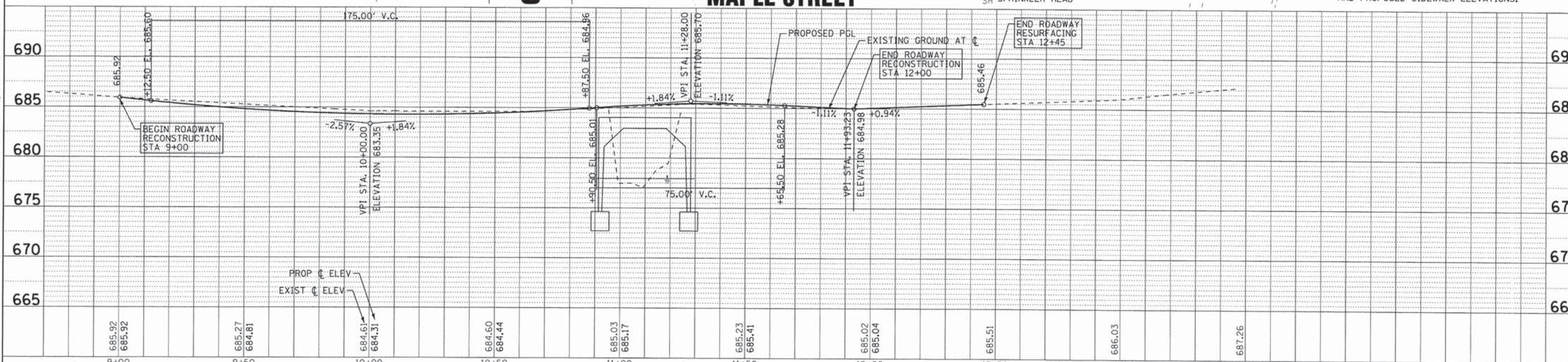
HORIZONTAL ALIGNMENT

POT STA	NORTHING	EASTING
STA 8+72.36	1931825.89	1070931.14
STA 9+54.17	1931907.65	1070934.06
STA 9+92.56	1931946.01	1070935.55
STA 11+82.63	1932136.08	1070935.55
STA 12+98.46	1932251.81	1070930.80

BEGIN ROADWAY RECONSTRUCTION STA 9+00

CONTROL POINTS

CP #1	PK NAIL SET WEST OF MAPLE STREET STA 12+58, 18.3' LT N 1932210.357661 E 1070911.808617 EL 684.96 (NAVD 88 DATUM)
CP #A1	REBAR SET EAST OF MAPLE STREET STA 11+63, 59.2' RT N 1932116.600531 E 1070992.324691 EL 680.00 (NAVD 88 DATUM)
CP #B1	PK NAIL SET WEST OF MAPLE STREET STA 11+18, 55.4' LT N 1932072.134205 E 1070877.691882 EL 684.11 (NAVD 88 DATUM)



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PLAN & PROFILE

MUN ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	9

CONTRACT NO. 63775
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800319951

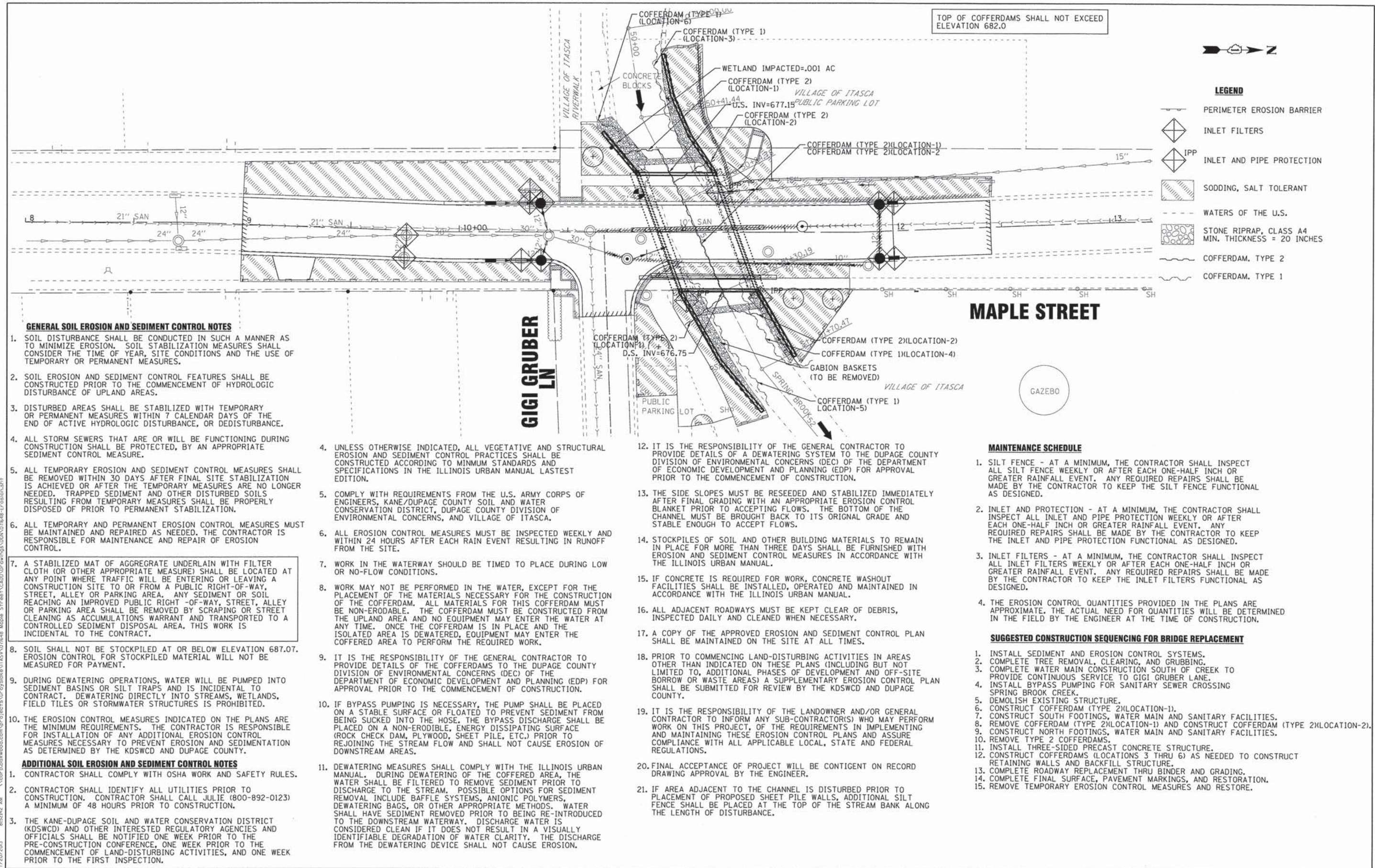
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IRVING PARK ROAD (IL 19)

- LEGEND**
- ⊗ TREE REMOVAL
 - ▨ SIDEWALK REMOVAL
 - SH SPRINKLER HEAD

- NOTES:**
- SIDE CURBS FOR ADA SIDEWALK RAMP SHALL BE MEASURED HORIZONTALLY FOR PAYMENT AS PCC SIDEWALK, 5 INCH.
 - SEE CROSS SECTIONS FOR SWALE ELEVATIONS AND PROPOSED SIDEWALK ELEVATIONS.



GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

- SOIL DISTURBANCE SHALL BE CONDUCTED 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.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL.

- A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. THIS WORK IS INCIDENTAL TO THE CONTRACT.
- SOIL SHALL NOT BE STOCKPILED AT OR BELOW ELEVATION 687.07. EROSION CONTROL FOR STOCKPILED MATERIAL WILL NOT BE MEASURED FOR PAYMENT.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS AND IS INCIDENTAL TO CONTRACT. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD AND DUPAGE COUNTY.

ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL NOTES

- CONTRACTOR SHALL COMPLY WITH OSHA WORK AND SAFETY RULES.
- CONTRACTOR SHALL IDENTIFY ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL JULIE (800-892-0123) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
- THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS SHALL BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND-DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FIRST INSPECTION.

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.
- COMPLY WITH REQUIREMENTS FROM THE U.S. ARMY CORPS OF ENGINEERS, KANE/DUPAGE COUNTY SOIL AND WATER CONSERVATION DISTRICT, DUPAGE COUNTY DIVISION OF ENVIRONMENTAL CONCERNS, AND VILLAGE OF ITASCA.
- ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAIN EVENT RESULTING IN RUNOFF FROM THE SITE.
- WORK IN THE WATERWAY SHOULD BE TIMED TO PLACE DURING LOW OR NO-FLOW CONDITIONS.
- WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF THE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. ALL MATERIALS FOR THIS COFFERDAM MUST BE NON-ERODIBLE. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE DETAILS OF THE COFFERDAMS TO THE DUPAGE COUNTY DIVISION OF ENVIRONMENTAL CONCERNS (DEC) OF THE DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING (EDP) FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- IF BYPASS PUMPING IS NECESSARY, THE PUMP SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM BEING SUCKED INTO THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE (ROCK CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS.
- DEWATERING MEASURES SHALL COMPLY WITH THE ILLINOIS URBAN MANUAL. DURING DEWATERING OF THE COFFERED AREA, THE WATER SHALL BE FILTERED TO REMOVE SEDIMENT PRIOR TO DISCHARGE TO THE STREAM. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY. THE DISCHARGE FROM THE DEWATERING DEVICE SHALL NOT CAUSE EROSION.

- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE DETAILS OF A DEWATERING SYSTEM TO THE DUPAGE COUNTY DIVISION OF ENVIRONMENTAL CONCERNS (DEC) OF THE DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING (EDP) FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE SIDE SLOPES MUST BE RESEED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE CHANNEL MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- IF CONCRETE IS REQUIRED FOR WORK, CONCRETE WASHOUT FACILITIES SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY THE KDSWCD AND DUPAGE COUNTY.
- IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTORS WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- FINAL ACCEPTANCE OF PROJECT WILL BE CONTINGENT ON RECORD DRAWING APPROVAL BY THE ENGINEER.
- IF AREA ADJACENT TO THE CHANNEL IS DISTURBED PRIOR TO PLACEMENT OF PROPOSED SHEET PILE WALLS, ADDITIONAL SILT FENCE SHALL BE PLACED AT THE TOP OF THE STREAM BANK ALONG THE LENGTH OF DISTURBANCE.

- MAINTENANCE SCHEDULE**
- SILT FENCE - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL SILT FENCE WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.
 - INLET AND PROTECTION - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL INLET AND PIPE PROTECTION WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE INLET AND PIPE PROTECTION FUNCTIONAL AS DESIGNED.
 - INLET FILTERS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL INLET FILTERS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE INLET FILTERS FUNCTIONAL AS DESIGNED.
 - THE EROSION CONTROL QUANTITIES PROVIDED IN THE PLANS ARE APPROXIMATE. THE ACTUAL NEED FOR QUANTITIES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

- SUGGESTED CONSTRUCTION SEQUENCING FOR BRIDGE REPLACEMENT**
- INSTALL SEDIMENT AND EROSION CONTROL SYSTEMS.
 - COMPLETE TREE REMOVAL, CLEARING, AND GRUBBING.
 - COMPLETE WATER MAIN CONSTRUCTION SOUTH OF CREEK TO PROVIDE CONTINUOUS SERVICE TO GIGI GRUBER LANE.
 - INSTALL BYPASS PUMPING FOR SANITARY SEWER CROSSING SPRING BROOK CREEK.
 - DEMOLISH EXISTING STRUCTURE.
 - CONSTRUCT COFFERDAM (TYPE 2)(LOCATION-1).
 - CONSTRUCT SOUTH FOOTINGS, WATER MAIN AND SANITARY FACILITIES.
 - REMOVE COFFERDAM (TYPE 2)(LOCATION-1) AND CONSTRUCT COFFERDAM (TYPE 2)(LOCATION-2).
 - CONSTRUCT NORTH FOOTINGS, WATER MAIN AND SANITARY FACILITIES.
 - REMOVE TYPE 2 COFFERDAMS.
 - INSTALL THREE-SIDED PRECAST CONCRETE STRUCTURE.
 - CONSTRUCT COFFERDAMS (LOCATIONS 3 THRU 6) AS NEEDED TO CONSTRUCT RETAINING WALLS AND BACKFILL STRUCTURE.
 - COMPLETE ROADWAY REPLACEMENT THRU BINDER AND GRADING.
 - COMPLETE FINAL SURFACE, PAVEMENT MARKINGS, AND RESTORATION.
 - REMOVE TEMPORARY EROSION CONTROL MEASURES AND RESTORE.

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CHECKED - TAO	REVISED -
DATE - 7/17/13	FILE - 071648-Erosion.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

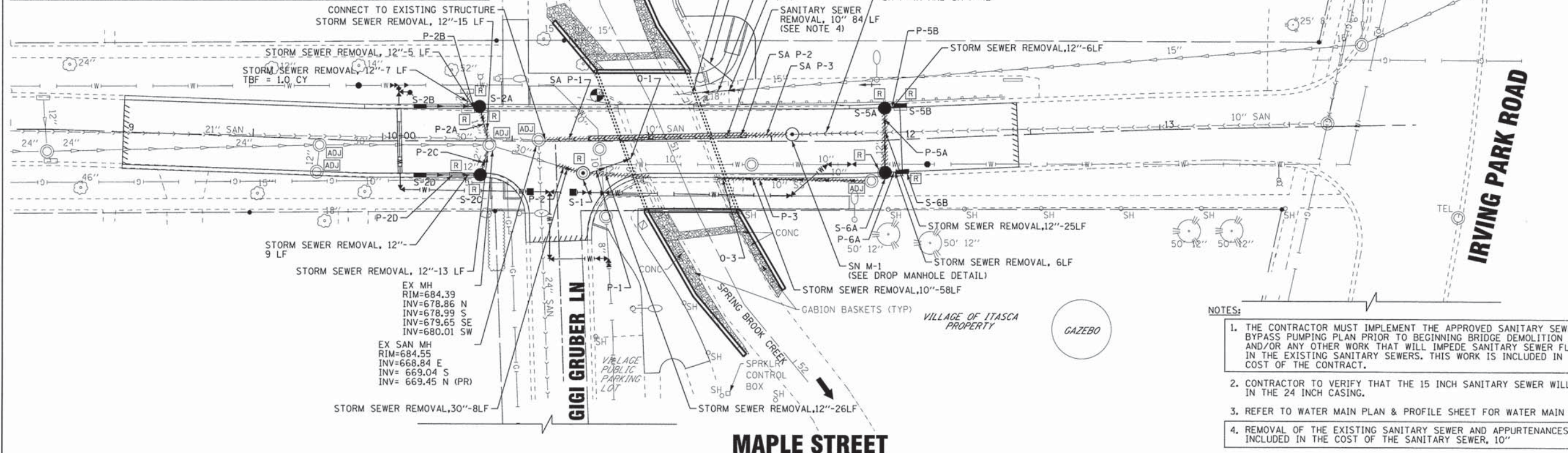
EROSION CONTROL PLAN

SCALE: 1"=20' STA. TO STA.

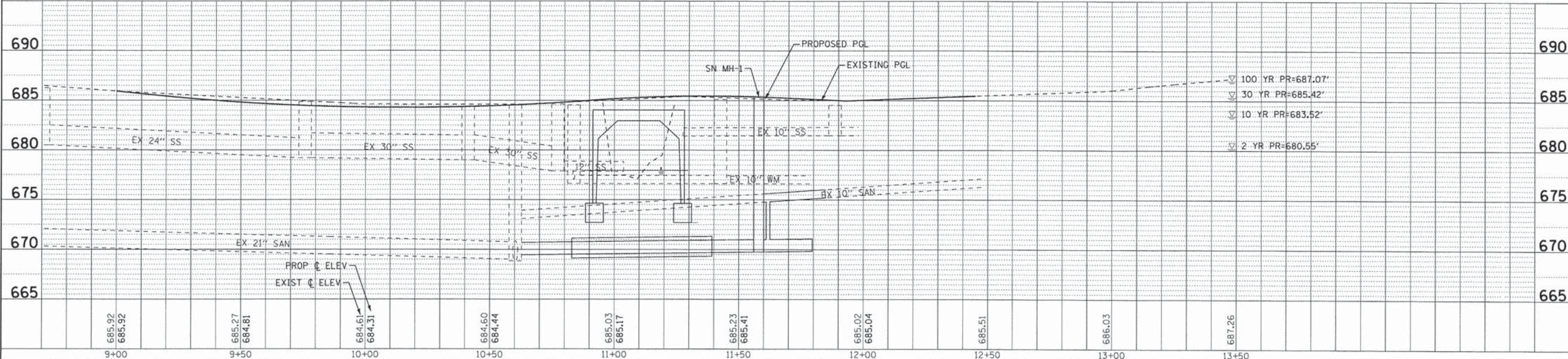
MUN ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	11
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-80034995	

PIPES					
NO.	TYPE	DIA (IN)	LENGTH (LF)	SLOPE, %	TBF (CY)
P-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	18	0.77	26
P-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	30	8	1.24	8
P-2A	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	15	3.57	5
P-2B	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	23	1.00	7
P-2C	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	13	6.92	5
P-2D	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	22	1.00	7
P-3	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	10	58	0.00	20
P-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	15	30	1.70	28
P-5A	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	25	2.44	6
P-5B	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	6	1.67	1
P-6	PIPE CULVERT CLASS A, TYPE 1	10	15	0.50	1
P-6A	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I	12	6	0.50	1
SA P-1	SANITARY SEWER, PVC	15	19	0.31	47
SA P-2	SANITARY SEWER, PVC	15	61	0.31	154
SA P-3	SANITARY SEWER, PVC	15	18	0.31	46
SA P-4A	SANITARY SEWER, PVC	15	20	0.31	50
SA P-4B	SANITARY SEWER, PVC	10	25	EXIST	-

STRUCTURES						
NO.	STATION, OFFSET	TYPE	FRAME	ELEVATION	RIM/EP	INVERT
S-1	10+77, 12.4' RT	MANHOLE, TYPE A, 5' DIA	TY 1 CL	684.53	RM	677.88 12" N, 678.39 30" S
S-2A	10+38, 12.5' LT	CATCH BASIN, TYPE C	TY 11 F&G	684.16	EP	680.64 12" S, 680.54 12" NE
S-2B	10+14, 12.5' LT	INLET, TYPE A	TY 11 F&G	684.04	EP	680.87 12" N
S-2C	10+38, 12.5' RT	CATCH BASIN, TYPE C	TY 11 F&G	684.16	EP	680.65 12" S, 680.55 12" NW
S-2D	10+14, 12.5' RT	INLET, TYPE A	TY 11 F&G	684.04	EP	680.87 12" N
S-5A	11+94, 12.5' LT	CATCH BASIN, TYPE C	TY 11 F&G	684.64	EP	682.03 12" N, 682.05 12" E
S-5B	12+00, 12.5' LT	INLET, TYPE A	TY 11 F&G	684.70	EP	682.13 12" S
S-6A	11+93, 12.5' RT	CATCH BASIN, TYPE C	TY 11 F&G		EP	
S-6B	12+00, 12.5' RT	INLET, TYPE A	TY 11 F&G		EP	
O-1	10+95, 6.0' RT	OUTLET				677.74 12" S
O-2	11+20, 18.5' LT	OUTLET				678.75 15" N
O-3	11+32, 14.5' RT	OUTLET				681.41 10" N
SN M-1	11+58, 2.7' LT	DROP SANITARY MANHOLE, 4'	TY 1 CL	685.31	RM	669.75 15" S, 669.75 15" N (STUB), 674.73 10" N (EXISTING)



- NOTES:
1. THE CONTRACTOR MUST IMPLEMENT THE APPROVED SANITARY SEWER BYPASS PUMPING PLAN PRIOR TO BEGINNING BRIDGE DEMOLITION WORK AND/OR ANY OTHER WORK THAT WILL IMPEDE SANITARY SEWER FLOWS IN THE EXISTING SANITARY SEWERS. THIS WORK IS INCLUDED IN THE COST OF THE CONTRACT.
 2. CONTRACTOR TO VERIFY THAT THE 15 INCH SANITARY SEWER WILL FIT IN THE 24 INCH CASING.
 3. REFER TO WATER MAIN PLAN & PROFILE SHEET FOR WATER MAIN WORK.
 4. REMOVAL OF THE EXISTING SANITARY SEWER AND APPURTENANCES IS INCLUDED IN THE COST OF THE SANITARY SEWER, 10"



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DRAWN - UKB	REVISIONS
CHECKED - TAO	REVISIONS
DATE - 7/17/13	FILE - 071648-DUL.shp

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY

SCALE: H: 1"=20' V: 1"=5'

STA. TO STA.

MUN ST. 2020	SECTION 08-00057-00-BR	COUNTY DU PAGE	TOTAL SHEETS 42	SHEET NO. 12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-800319951	

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 PROJECT NO. 08-00057-00-BR
 SHEET NO. 12 OF 42
 DATE: 7/17/2013
 DRAWN BY: UKB
 CHECKED BY: TAO
 FILE: 071648-DUL.shp

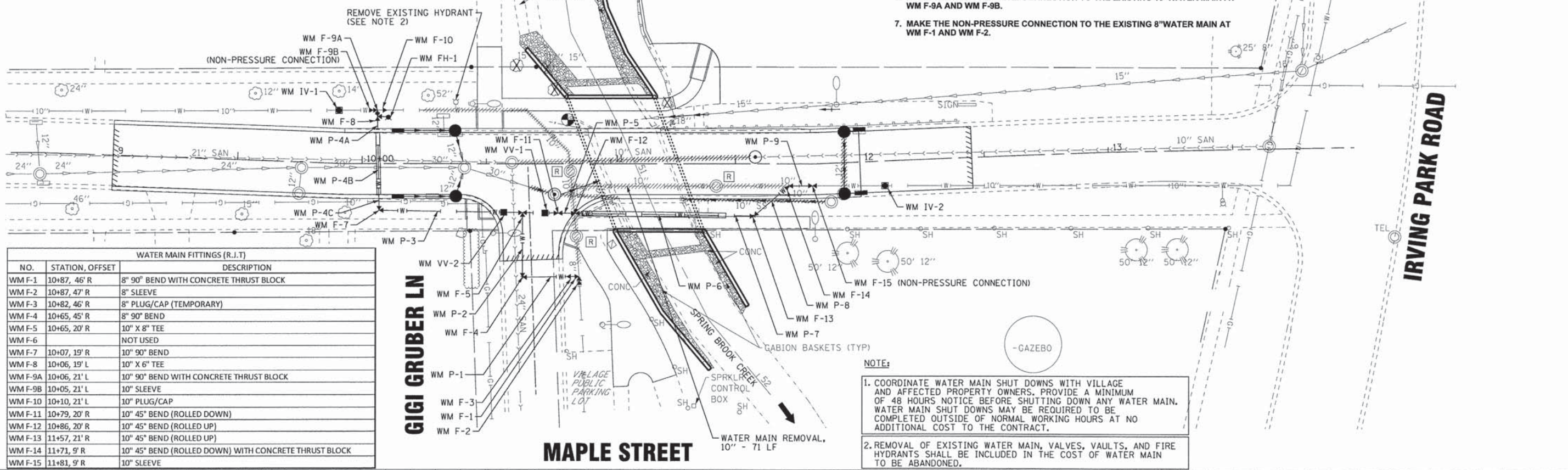
WATER MAIN VALVES		
NO.	STATION, OFFSET	DESCRIPTION
WM IV-1	9+90, 21' L	10" INSERT VALVE AND VALVE VAULT
WM IV-2	12+10, 10' R	10" INSERT VALVE AND VALVE VAULT
WM VV-1	10+74, 20' R	10" GATE VALVE AND VALVE VAULT
WM VV-2	10+57, 20' R	10" GATE VALVE AND VALVE VAULT

WATER MAIN FIRE HYDRANTS		
NO.	STATION, OFFSET	DESCRIPTION
WM FH-1	10+10, 19' L	FIRE HYDRANT WITH AUX. VALVE AND VALVE BOX

WATER MAIN PIPES (R.J.T)	
WMP-1	22 LF 8" PIPE
WMP-2	26 LF 8" PIPE
WMP-3	59 LF 10" PIPE
WMP-4A	9 LF 10" PIPE
WMP-4B	26 LF 10" PIPE IN 24" STEEL CASING
WMP-4C	7 LF 10" PIPE
WMP-5	24 LF 10" PIPE
WMP-6	58 LF 10" PIPE IN 24" STEEL CASING
WMP-7	12 LF OF 10" PIPE
WMP-8	20 LF OF 10" PIPE
WMP-9	9 LF OF 10" PIPE

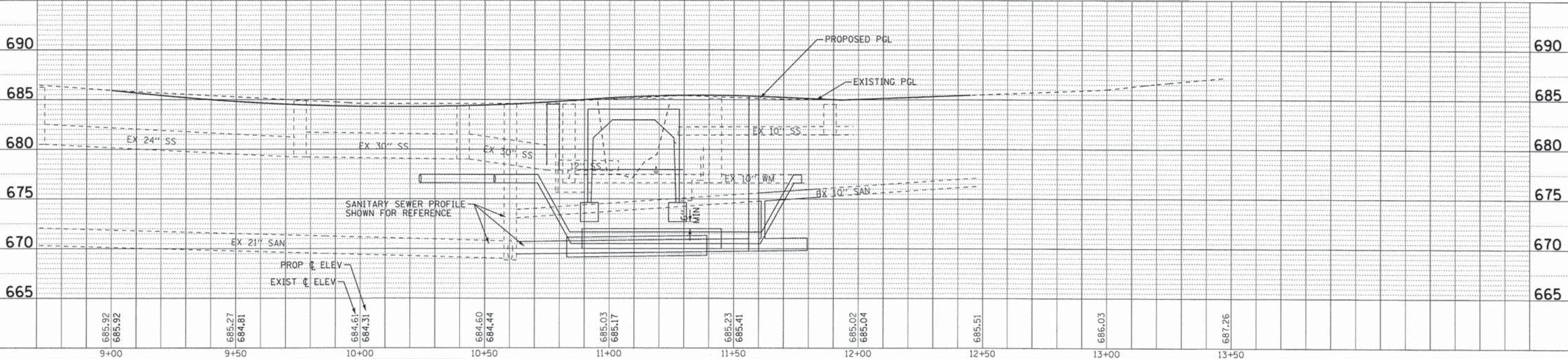
PROPOSED SEQUENCE OF WATER MAIN CONSTRUCTION:

1. THE WATER MAIN ALONG GIGI GRUBEN LANE IS A DEAD-END WATER MAIN. SHUTDOWNS OF WATER MAIN(S) NEED TO BE LIMITED TO A FOUR HOUR TIME PERIOD.
2. INSTALL THE TWO INSERTION VALVES ON THE EXISTING 10" WATER MAINS.
3. MAKE THE NON-PRESSURE CONNECTION TO THE EXISTING 10" WATER MAIN WITH WM F-15, AND INSTALL ALL NEW 10" WATER MAIN PIPE, FITTINGS, AND VALVES UP TO, AND INCLUDING, WM F-8 AND THE NEW FIRE HYDRANT.
4. INSTALL ALL NEW 8" WATER MAIN PIPE AND FITTINGS UP TO, AND INCLUDING, WM F-3. INSTALL 2" MINIMUM SIZE TAP IN WM F-3 FOR FLUSHING PURPOSES.
5. TEST, FLUSH, DISINFECT AND OBTAIN ACCEPTANCE OF NEW WATER MAINS FROM VILLAGE.
6. MAKE THE NON-PRESSURE CONNECTION TO THE EXISTING 10" WATER MAIN AT WM F-9A AND WM F-9B.
7. MAKE THE NON-PRESSURE CONNECTION TO THE EXISTING 8" WATER MAIN AT WM F-1 AND WM F-2.



WATER MAIN FITTINGS (R.J.T)		
NO.	STATION, OFFSET	DESCRIPTION
WM F-1	10+87, 46' R	8" 90° BEND WITH CONCRETE THRUST BLOCK
WM F-2	10+87, 47' R	8" SLEEVE
WM F-3	10+82, 46' R	8" PLUG/CAP (TEMPORARY)
WM F-4	10+65, 45' R	8" 90° BEND
WM F-5	10+65, 20' R	10" X 8" TEE
WM F-6		NOT USED
WM F-7	10+07, 19' R	10" 90° BEND
WM F-8	10+06, 19' L	10" X 6" TEE
WM F-9A	10+05, 21' L	10" 90° BEND WITH CONCRETE THRUST BLOCK
WM F-9B	10+05, 21' L	10" SLEEVE
WM F-10	10+10, 21' L	10" PLUG/CAP
WM F-11	10+79, 20' R	10" 45° BEND (ROLLED DOWN)
WM F-12	10+86, 20' R	10" 45° BEND (ROLLED UP)
WM F-13	11+57, 21' R	10" 45° BEND (ROLLED UP)
WM F-14	11+71, 9' R	10" 45° BEND (ROLLED DOWN) WITH CONCRETE THRUST BLOCK
WM F-15	11+81, 9' R	10" SLEEVE

- NOTE:**
1. COORDINATE WATER MAIN SHUT DOWNS WITH VILLAGE AND AFFECTED PROPERTY OWNERS. PROVIDE A MINIMUM OF 48 HOURS NOTICE BEFORE SHUTTING DOWN ANY WATER MAIN. WATER MAIN SHUT DOWNS MAY BE REQUIRED TO BE COMPLETED OUTSIDE OF NORMAL WORKING HOURS AT NO ADDITIONAL COST TO THE CONTRACT.
 2. REMOVAL OF EXISTING WATER MAIN, VALVES, VAULTS, AND FIRE HYDRANTS SHALL BE INCLUDED IN THE COST OF WATER MAIN TO BE ABANDONED.



DESIGNED - CAC/CSK	REVISIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - LKB	REVISIONS	2020	08-00057-00-BR	DUPAGE	42	13
CHECKED - TAO	REVISIONS	CONTRACT NO. 63775				
DATE - 7/17/13	FILE - 071648-WM1.shx	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT BRM-800319951				



STATE OF ILLINOIS
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WATER MAIN PLAN & PROFILE

SCALE: H: 1"=20' V: 1"=5'
STA. TO STA.

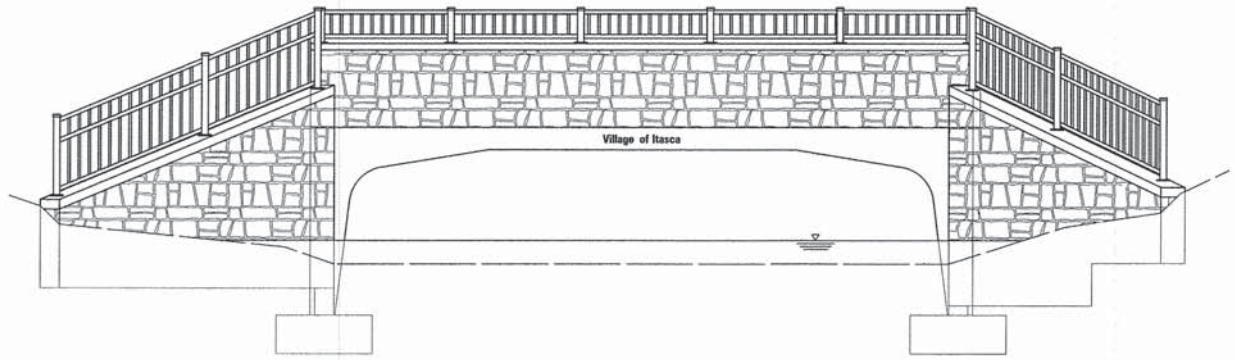
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Benchmark: Chiseled square, end of SW wingwall of existing bridge. Elev. 684.00

Existing Structure: S.N. 022-6601, built in 1950 and reconstructed in 1972. Existing superstructure consists of ten 17"x36" PPC Deck Beams with ±3" bituminous overlay. Substructure consists of closed concrete abutments on unknown foundations. Out to out width 30'-0", and ±34' back to back of abutments. The existing structure is to be removed and replaced with a single-cell three-sided precast concrete structure. Traffic to be detoured during construction.

Precast footing option not allowed.

No Salvage.



ELEVATION

EWSE = 679.0
CDWE = 682.0

See Sheets 2 of 8 and 6 of 8 or additional Cofferdam information.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

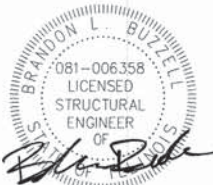
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Perm. Sheet Piling)

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 60,000$ psi (Reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.105g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.218g
Soil Site Class = D



DATE: 7/16/13
LICENSE EXPIRES 11/30/14

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO LRFD Bridge Design Specifications.

GENERAL NOTES

The foundation design is based on the following maximum unfactored reactions applied at the top of the footing:
 $V_{max} = 17.0k/ft$; $H_{max} = 9.9k/ft$
The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval.

Reinforcement bars designated (E) shall be epoxy coated. Refer to Specifications for Geotechnical Report.

See Sheets 4 and 5 of 8 for Storm Sewer penetrations thru precast structure.

Removal of existing gabion baskets and portions of existing concrete block wall shall be included with Removal of Existing Structures.

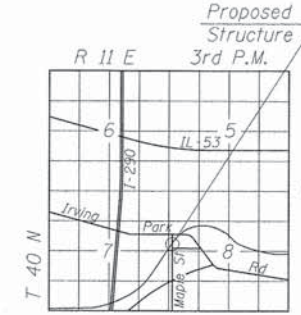
INDEX OF SHEETS

1. General Plan and Elevation
2. Three Sided Precast Concrete Structure
3. Three Sided Precast Concrete Structure Details
4. Wingwalls A & B
5. Wingwalls C & D
6. Wingwall Details
7. Soil Borings
8. Soil Borings

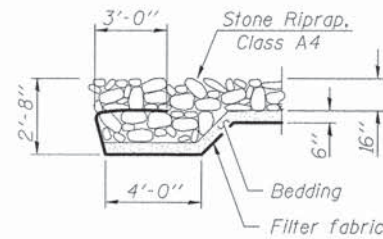
SPRING BROOK CREEK
BUILT 20... BY
VILLAGE OF ITASCA
SEC. 08-00057-00-BR
STA. 11+10
STRUCTURE NO. 022-6602
LOADING HL-93

NAME PLATE

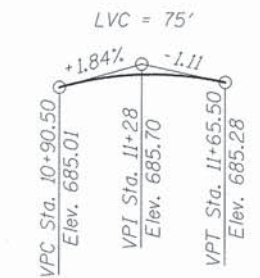
See Std. 515001



LOCATION SKETCH



SECTION A-A



PROFILE GRADE

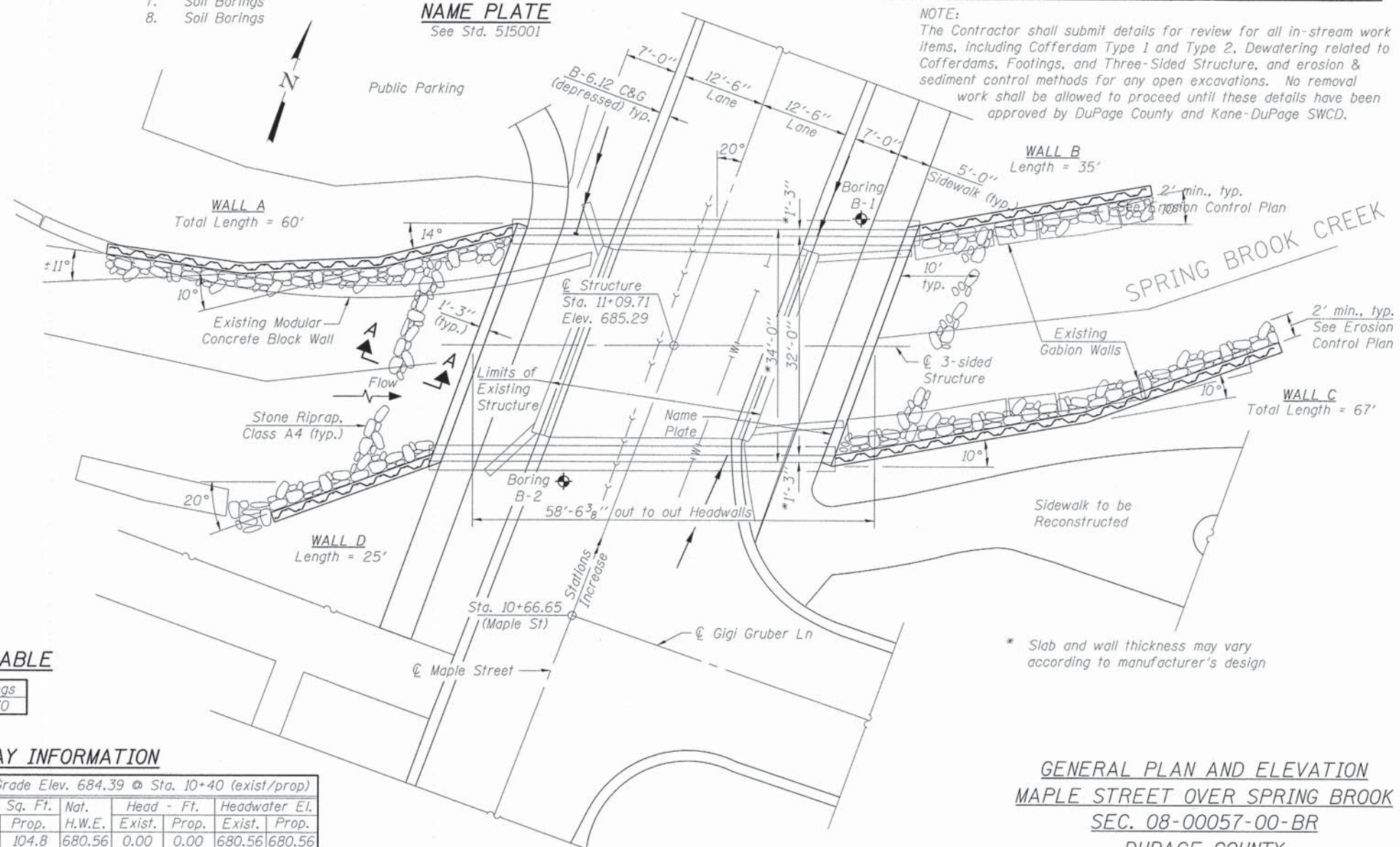
DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Ret. Walls	Footings
	673.20	672.70

WATERWAY INFORMATION

Drainage Area = 13.0 sq. mi. Low Grade Elev. 684.39 @ Sta. 10+40 (exist/prop)

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
	2	165.56	79.8	104.8	680.56	0.00	0.00	680.56	680.56
	10	612.80	147.1	160.4	683.39	0.09	0.05	683.48	683.44
Design	30	855.02	147.1	162.3	686.70	0.04	0.00	686.74	686.70
Base	100	1231.72	147.1	162.3	686.97	0.06	0.00	687.03	686.97



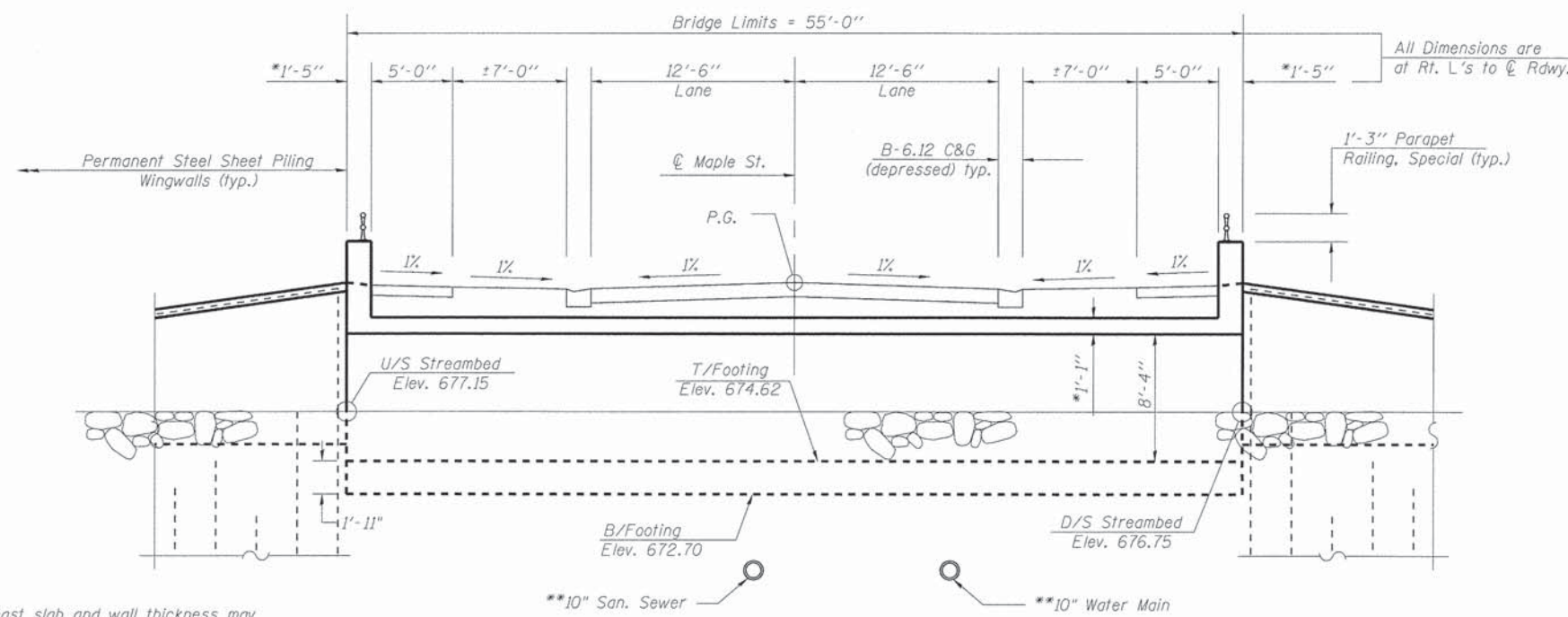
PLAN

NOTE:
The Contractor shall submit details for review for all in-stream work items, including Cofferdam Type 1 and Type 2, Dewatering related to Cofferdams, Footings, and Three-Sided Structure, and erosion & sediment control methods for any open excavations. No removal work shall be allowed to proceed until these details have been approved by DuPage County and Kane-DuPage SWCD.

GENERAL PLAN AND ELEVATION
MAPLE STREET OVER SPRING BROOK
SEC. 08-00057-00-BR
DUPAGE COUNTY
STATION 11+09.71
STRUCTURE NO. 022-6602

TOTAL BILL OF MATERIAL

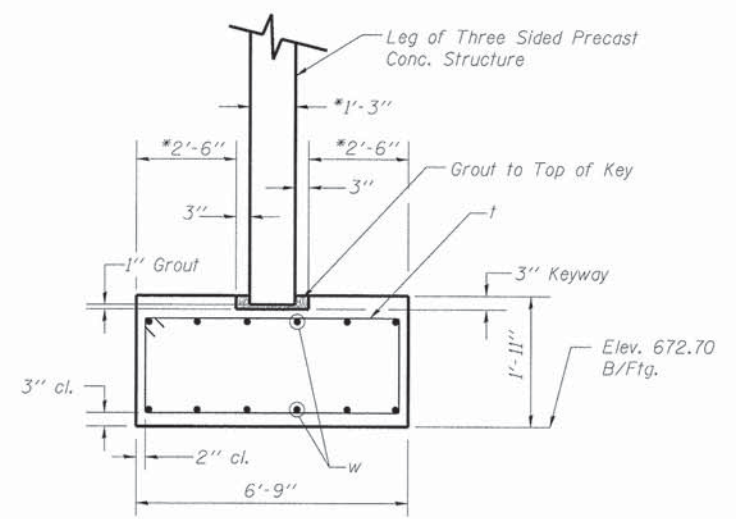
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	320
Filter Fabric	Sq Yd	320
Removal of Existing Structures	Each	1
Cofferdam Excavation	Cu Yd	305
Cofferdam (Type 1) (Location-3)	Each	1
Cofferdam (Type 1) (Location-4)	Each	1
Cofferdam (Type 1) (Location-5)	Each	1
Cofferdam (Type 1) (Location-6)	Each	1
Cofferdam (Type 2) (Location-1)	Each	1
Cofferdam (Type 2) (Location-2)	Each	1
Concrete Structures	Cu Yd	116.9
Form Liner Textured Surface	Sq Ft	1,046
Stud Shear Connectors	Each	483
Reinforcement Bars	Pound	4,670
Reinforcement Bars, Epoxy Coated	Pound	3,240
Name Plates	Each	1
Concrete Surface Color Treatment	Sq Ft	2,222
Pedestrian Rail (Special)	Foot	181
Parapet Railing, Special	Foot	73
Permanent Steel Sheet Piling	Sq Ft	3,445
Precast Concrete Substructure	L Sum	1
Three Sided Precast Concrete Structures 32'x8.5'	Foot	58.5



* Precast slab and wall thickness may vary according to manufacturer's design.

** Existing utilities to be relocated into steel casing below proposed footings.

SECTION B-B



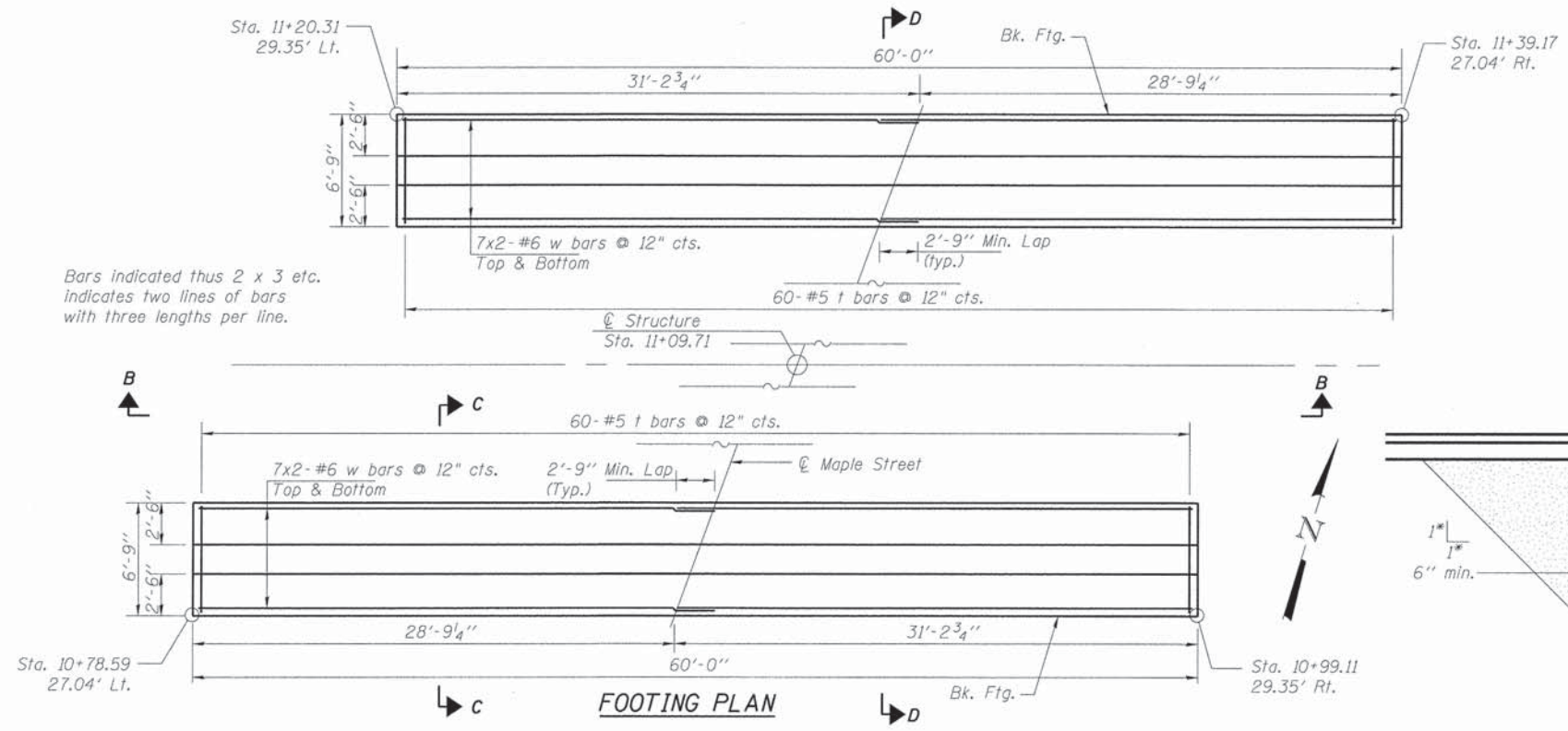
SECTION C-C

NOTE:
Fill entire Keyway including 1" void between Bottom of Keyway and Bottom of Precast Concrete Structure leg with Grout

TWO FOOTINGS
BILL OF MATERIAL

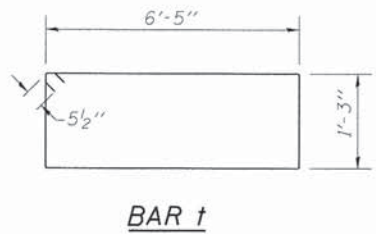
Bar	No.	Size	Length	Shape
t	120	#5	16'-3"	□
w	56	#6	31'-3"	—
Cofferdam Excavation			Cu Yd	270
* Cofferdam (Type 2)(Location-1)			Each	1
* Cofferdam (Type 2)(Location-2)			Each	1
Concrete Structures			Cu Yd	55.6
Reinforcement Bars			Pound	4,670

* Cofferdam Location 1: South Footing and Utility work
Cofferdam Location 2: North Footing and Utility work
Top of Cofferdams shall not exceed elevation 682.0.

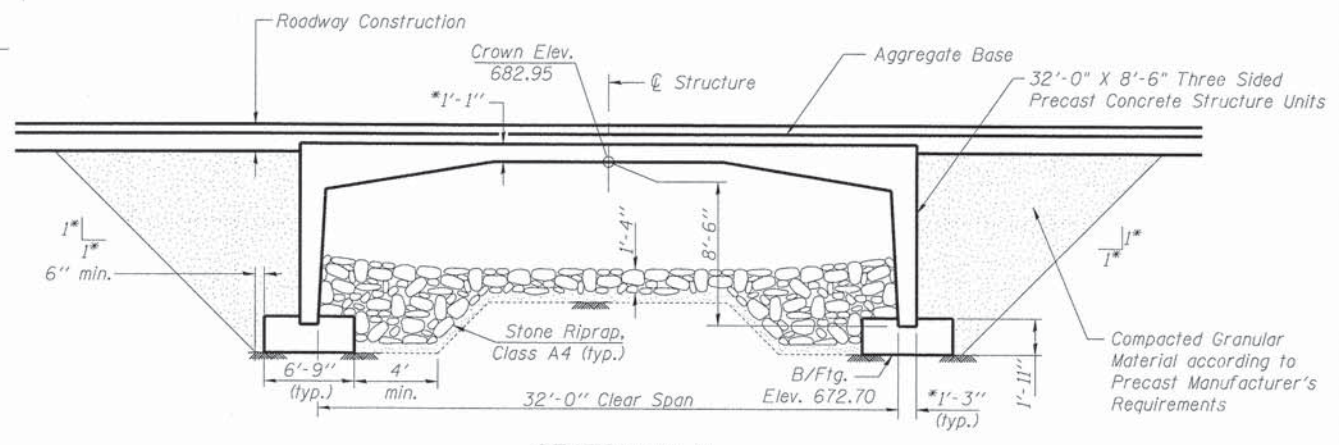


Bars indicated thus 2 x 3 etc. indicates two lines of bars with three lengths per line.

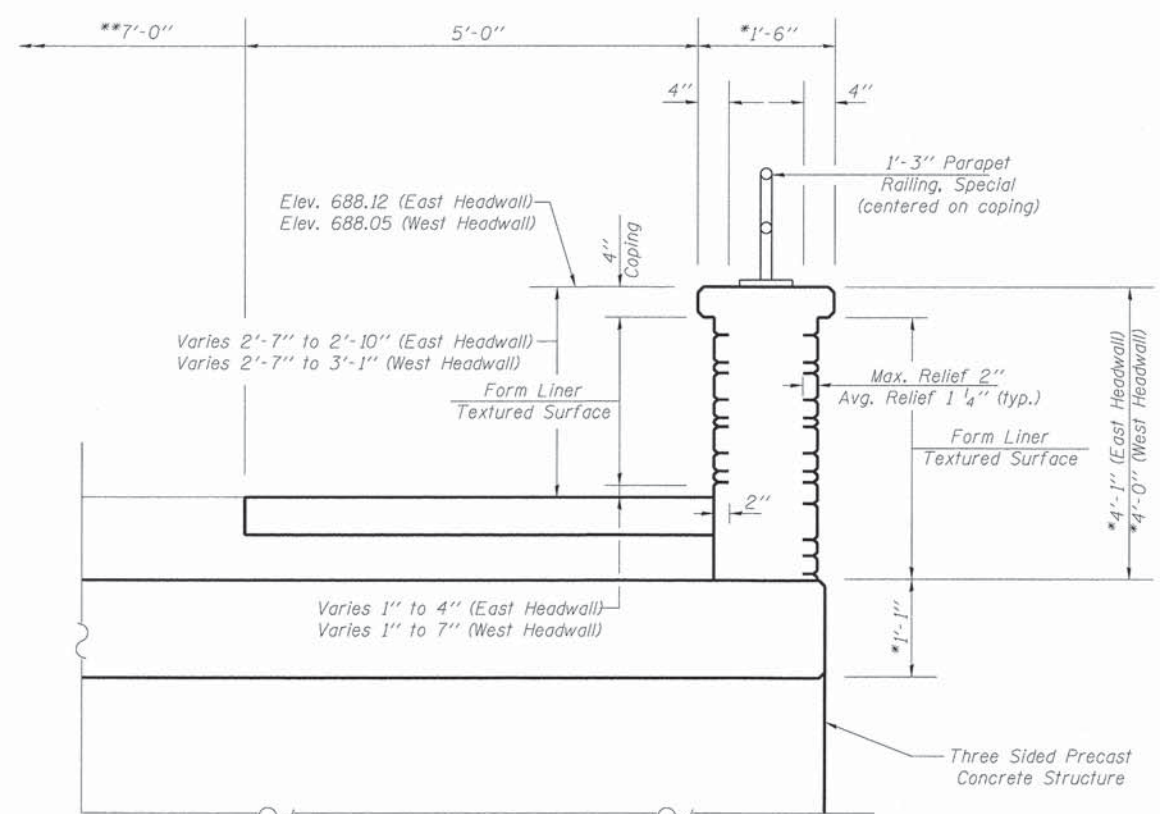
FOOTING PLAN



BAR t

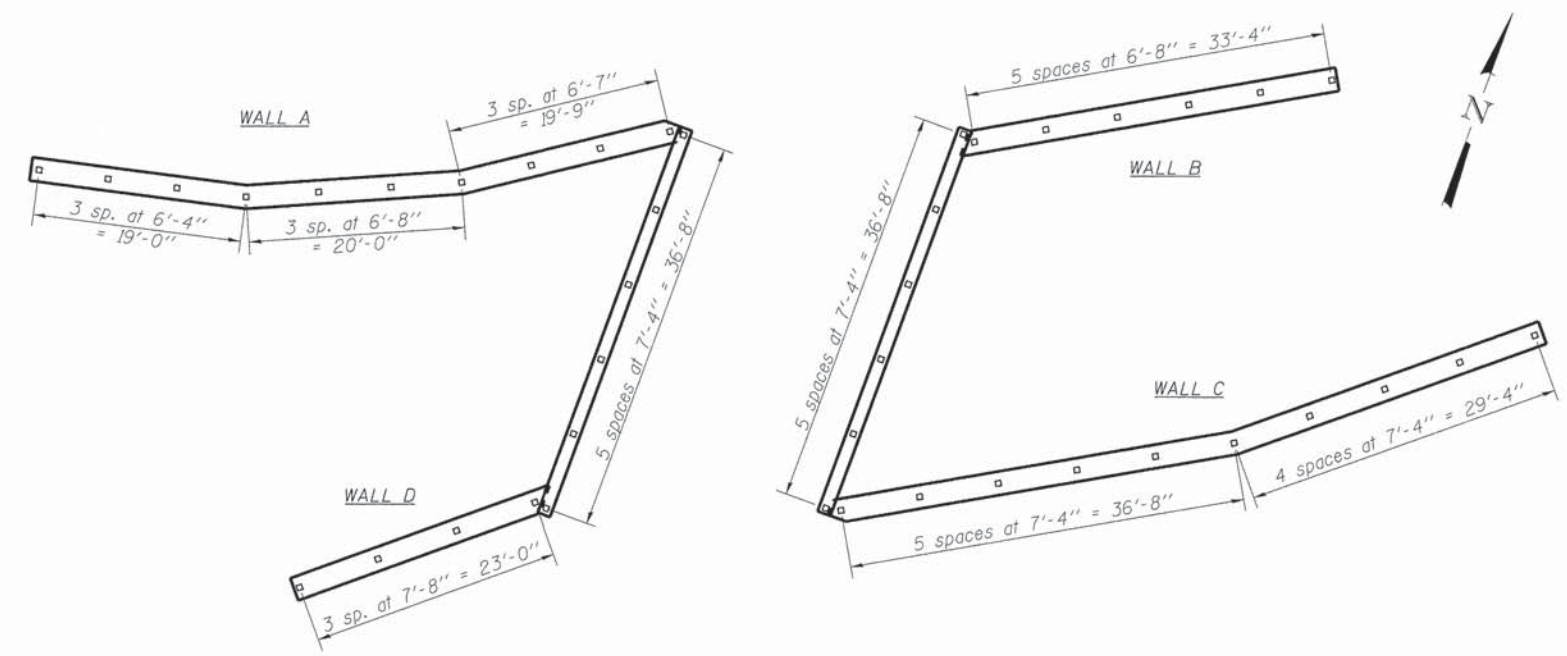


SECTION D-D



* Precast slab and wall thickness may vary according to manufacturer's design.
** Parkway width may be reduced for headwall thickness.

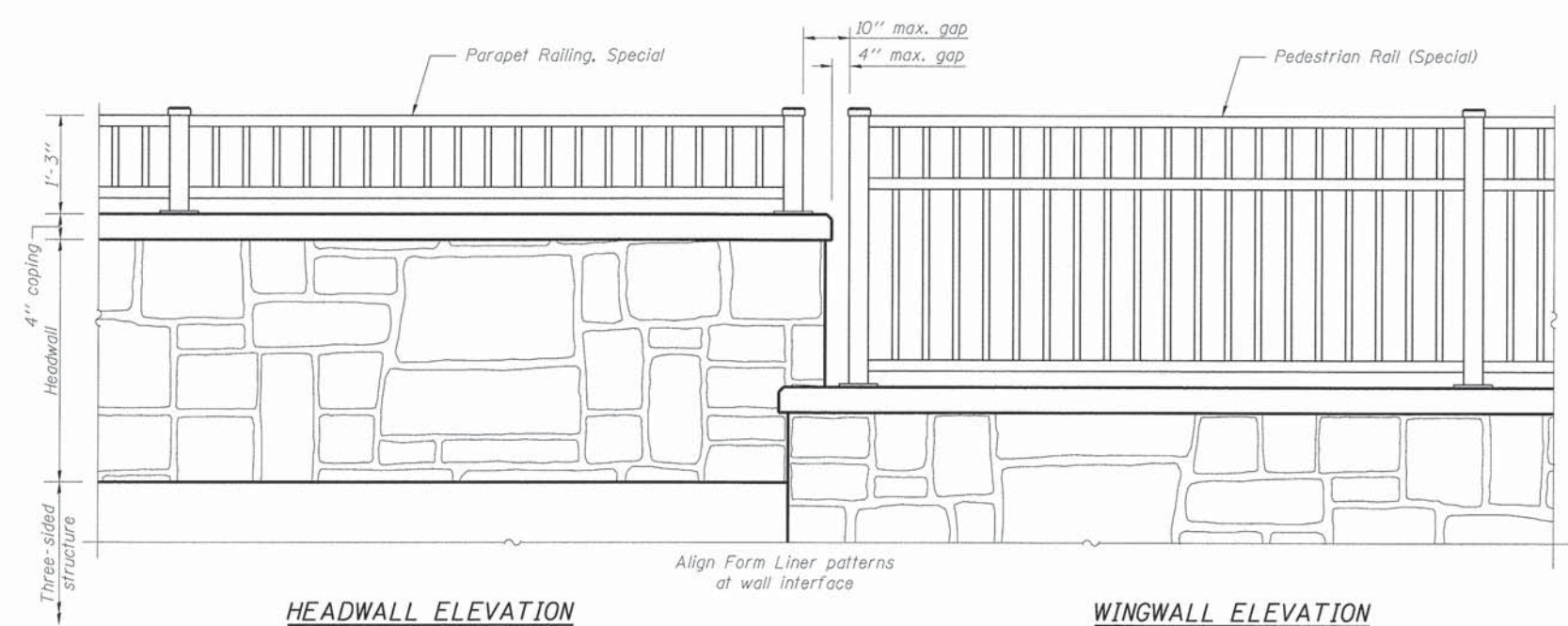
PRECAST HEADWALL SECTION
East Headwall Shown (West Headwall Similar)



SUGGESTED RAIL POST LAYOUT
May be adjusted according to Manufacturer's requirements

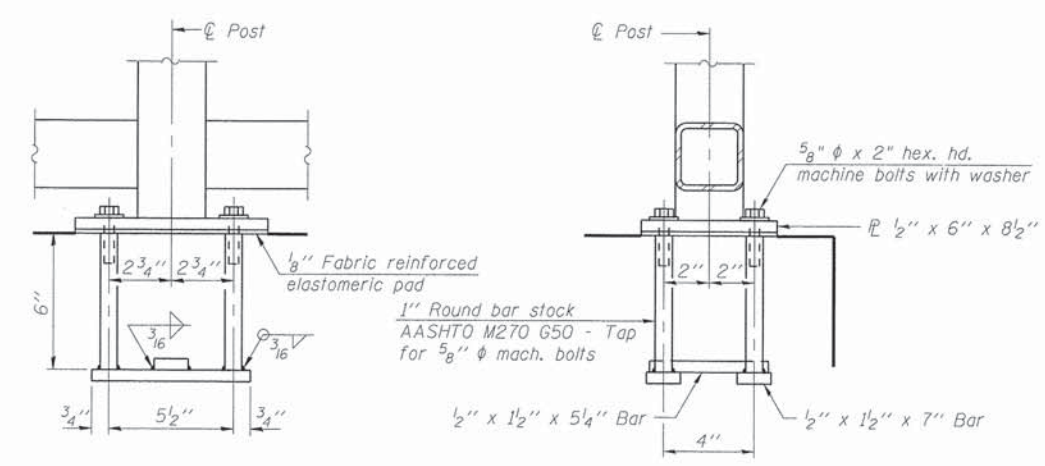
BILL OF MATERIAL

Item	Unit	Quantity
Pedestrian Rail (Special)	Foot	181
Parapet Railing, Special	Foot	73



HEADWALL ELEVATION

WINGWALL ELEVATION



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

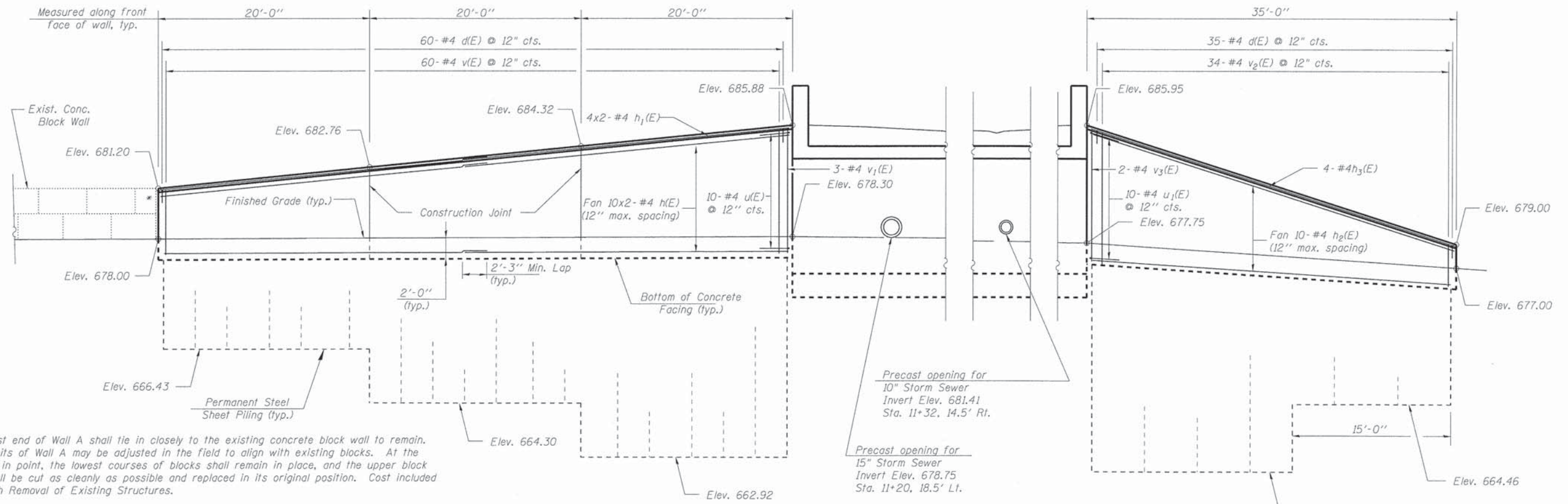
FILE NAME =	USER NAME =	DESIGNED AS	REVISED -
		CHECKED BLB	REVISED -
		DRAWN AS	REVISED -
		CHECKED BLB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE SIDED PRECAST CONCRETE STRUCTURE
DETAILS

MUN ST	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	16
			CONTRACT NO. 63775	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800319951				

SHEET NO. 3 OF 8 SHEETS

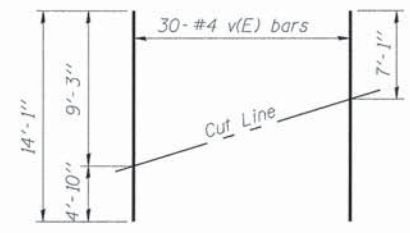


* West end of Wall A shall tie in closely to the existing concrete block wall to remain. Limits of Wall A may be adjusted in the field to align with existing blocks. At the tie-in point, the lowest courses of blocks shall remain in place, and the upper block shall be cut as cleanly as possible and replaced in its original position. Cost included with Removal of Existing Structures.

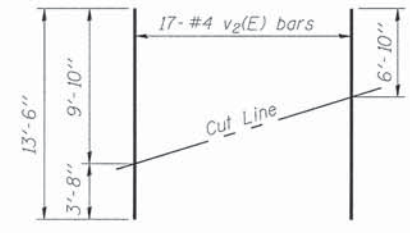
WALL A

WALL B

NORTH WINGWALL ELEVATION (DEVELOPED)
(Looking North)

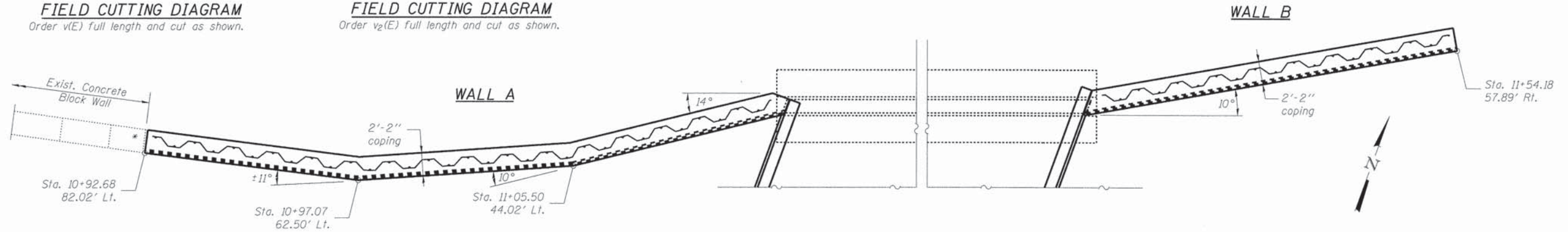


FIELD CUTTING DIAGRAM
Order v(E) full length and cut as shown.



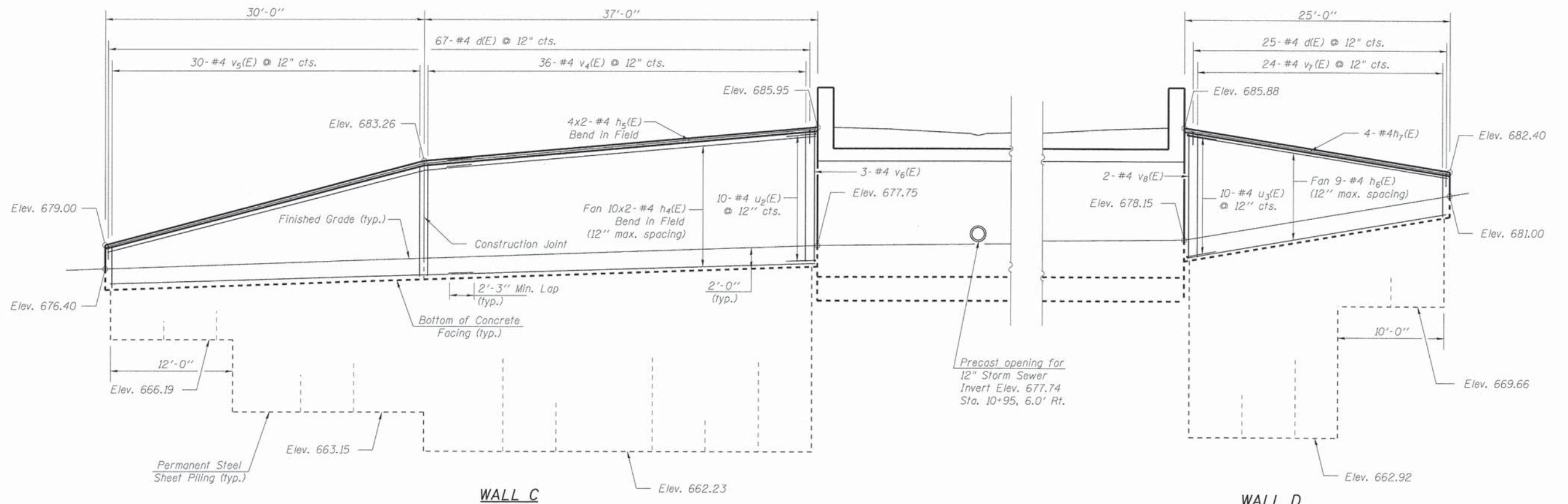
FIELD CUTTING DIAGRAM
Order v2(E) full length and cut as shown.

NOTES
See Sheet 6 of 8 for wall cross sections, Bill of Materials, and additional details.
Minimum Section Modulus for Permanent Steel Sheet Piling is 19.6 in³/ft.

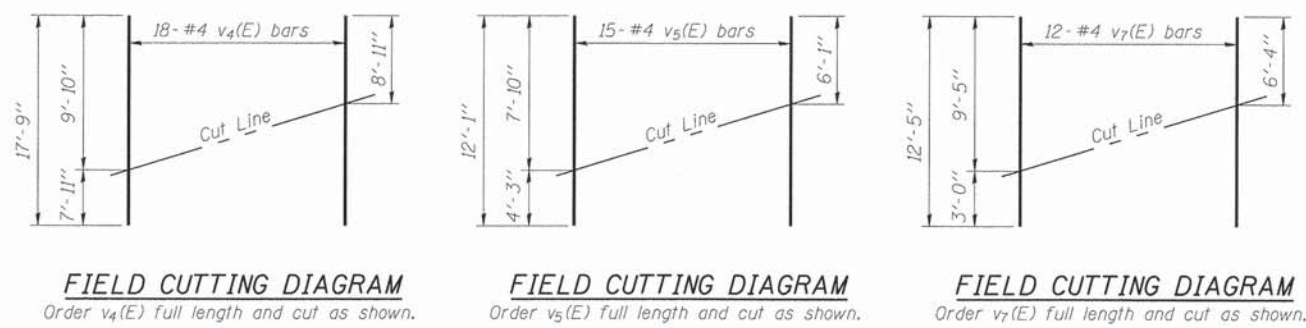


PLAN
See Elevation view for dimensions.

FILE NAME =	USER NAME =	DESIGNED AS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WINGWALLS A & B	MUN ST	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE =	DRAWN AS	REVISED -			CONTRACT NO. 63775					
		CHECKED BLB	REVISED -			SHEET NO. 4 OF 8 SHEETS					
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80031995					



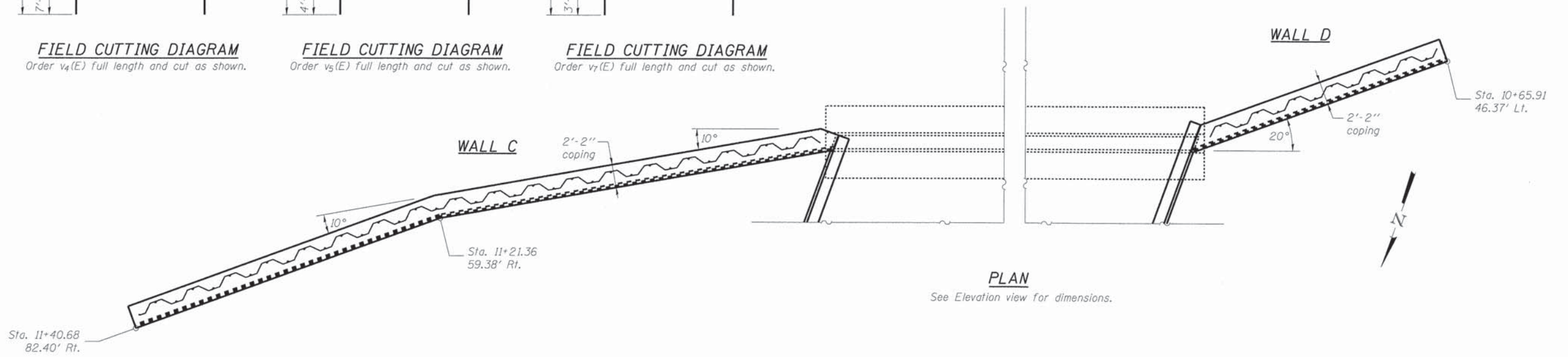
SOUTH WINGWALL ELEVATION (DEVELOPED)
(Looking South)



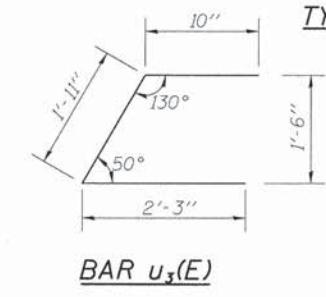
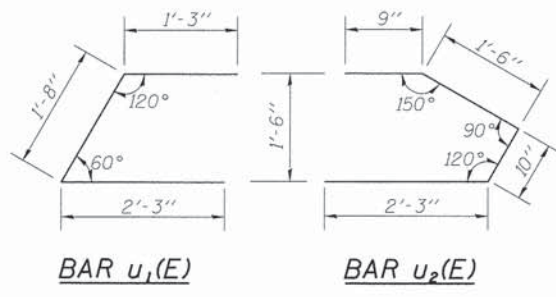
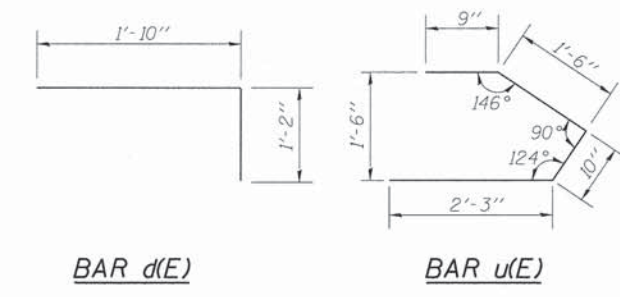
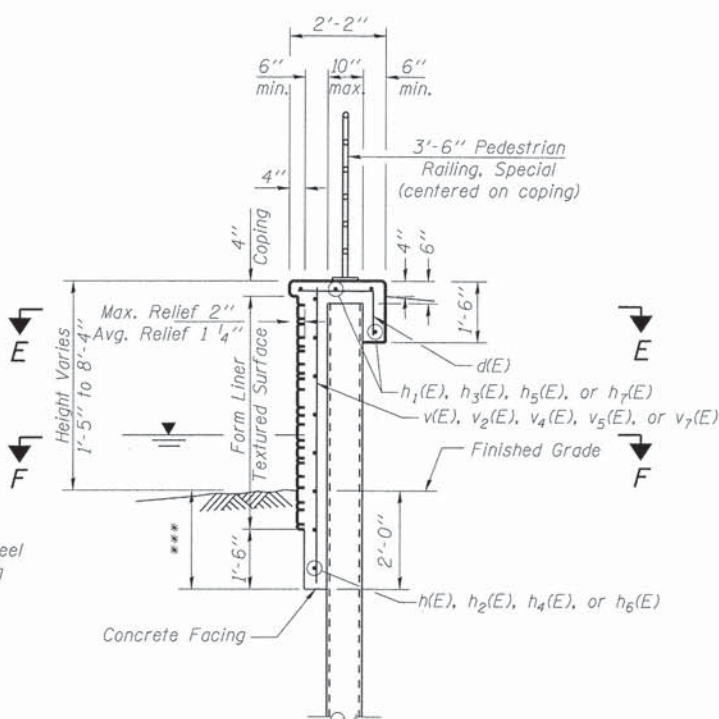
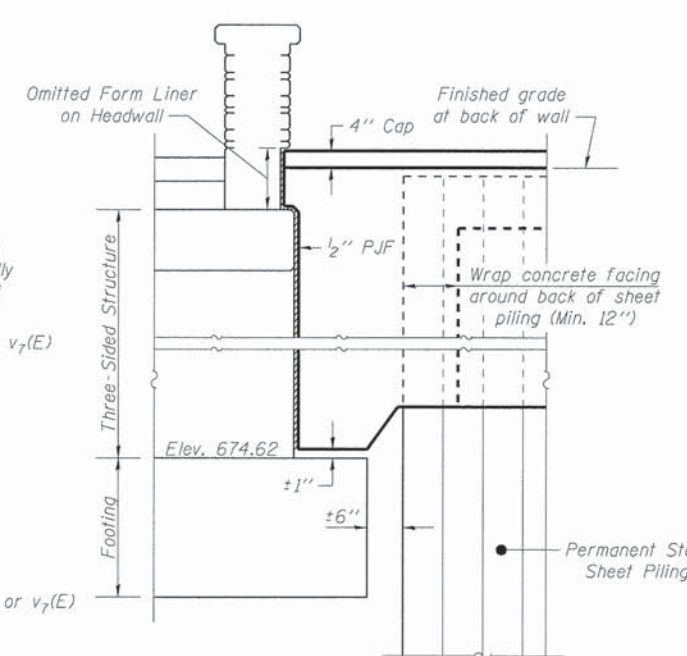
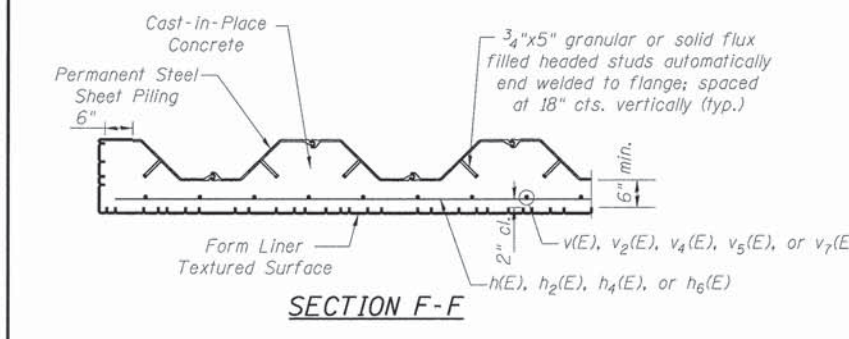
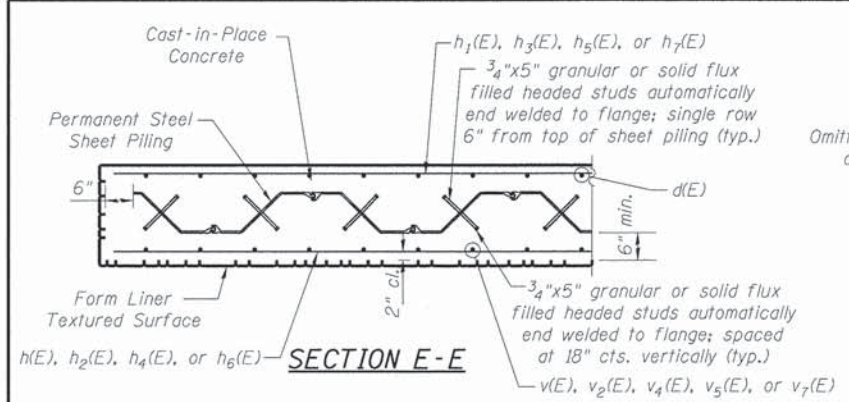
NOTES

See Sheet 6 of 8 for wall cross sections, Bill of Materials, and additional details.

Minimum Section Modulus for Permanent Steel Sheet Piling is 19.6 in³/ft.



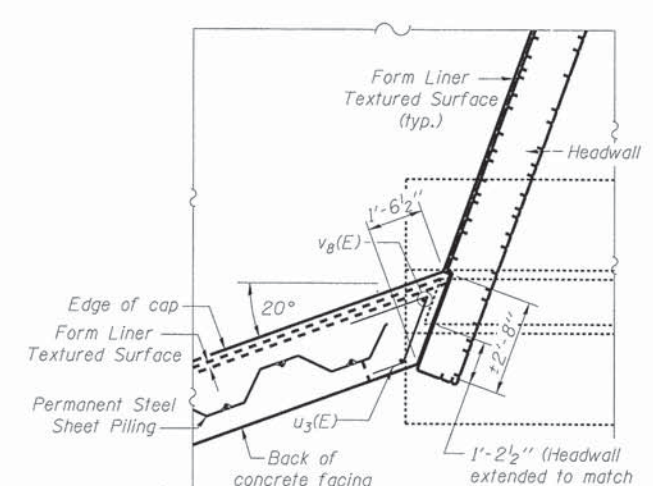
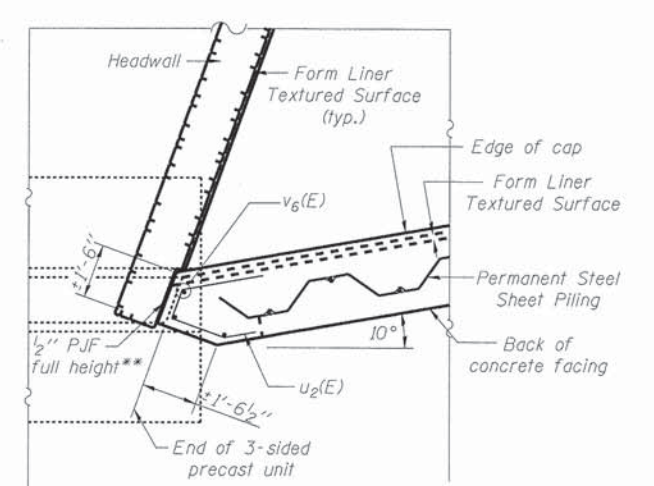
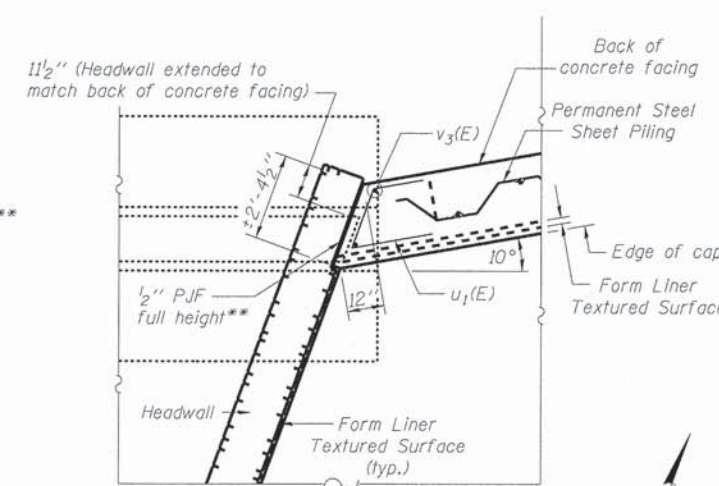
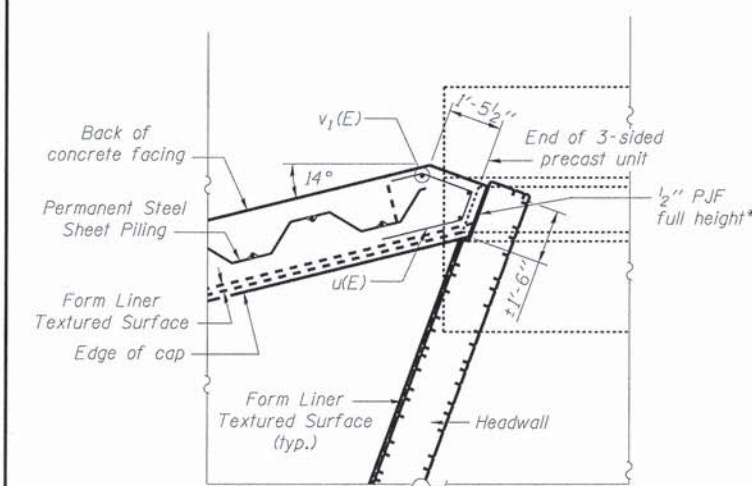
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PLOT DATE =	CHECKED BLB	DRAWN AS	REVISED -			CONTRACT NO. 63775					
						SHEET NO. 5 OF 8 SHEETS					



TYPICAL WINGWALL SECTION

*** Replace excavated area in front of facing with Stone Riprap, Class A4

**** Cofferdam Location 3: Wall A
 Cofferdam Location 4: Wall B
 Cofferdam Location 5: Wall C
 Cofferdam Location 6: Wall D



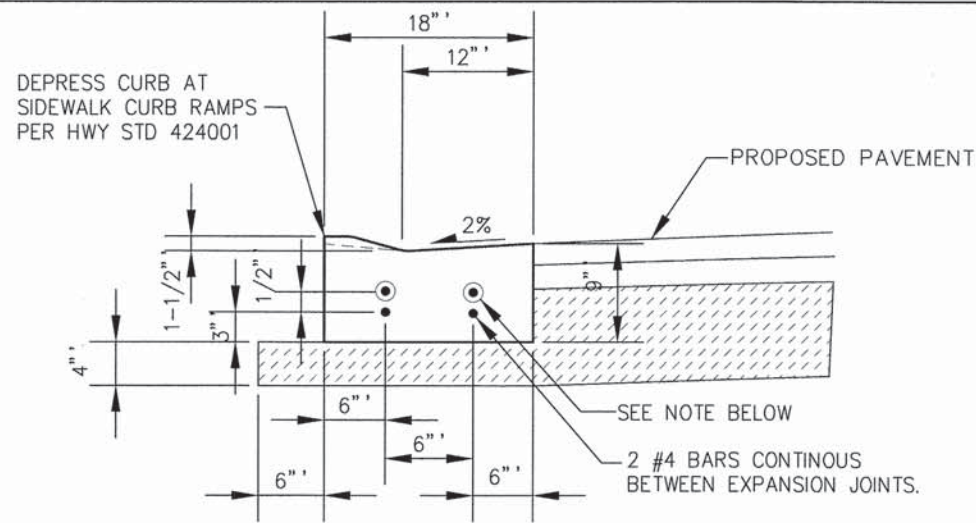
**Extend concrete facing to meet outside face of headwall above precast structure. Omit headwall form liner in this area.

Some reinforcing not shown for clarity.

**WINGWALLS
BILL OF MATERIAL**

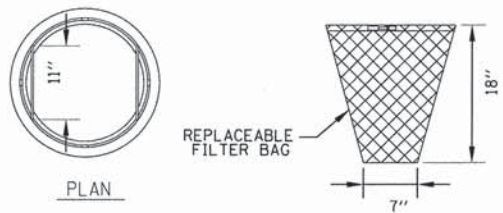
Bar	No.	Size	Length	Shape
d(E)	187	#4	3'-0"	
h(E)	20	#4	31'-0"	
h1(E)	8	#4	31'-1"	
h2(E)	10	#4	34'-8"	
h3(E)	4	#4	35'-4"	
h4(E)	20	#4	34'-6"	
h5(E)	8	#4	34'-8"	
h6(E)	9	#4	24'-8"	
h7(E)	4	#4	24'-10"	
u(E)	10	#4	5'-4"	
u1(E)	10	#4	5'-2"	
u2(E)	10	#4	5'-4"	
u3(E)	10	#4	5'-0"	
v(E)	30	#4	14'-1"	
v1(E)	3	#4	10'-9"	
v2(E)	17	#4	13'-6"	
v3(E)	2	#4	10'-10"	
v4(E)	18	#4	17'-9"	
v5(E)	15	#4	12'-1"	
v6(E)	3	#4	9'-10"	
v7(E)	12	#4	12'-5"	
v8(E)	2	#4	9'-4"	
Cofferdam Excavation		Cu Yd	35	
**** Cofferdam (Type I)(Location-3)		Each	1	
**** Cofferdam (Type I)(Location-4)		Each	1	
**** Cofferdam (Type I)(Location-5)		Each	1	
**** Cofferdam (Type I)(Location-6)		Each	1	
* Concrete Structures		Cu Yd	61.3	
Form Liner Textured Surface		Sq Ft	1,046	
* Stud Shear Connectors		Each	483	
Reinforcement Bars, Epoxy Coated		Pound	3,240	
Concrete Surface Color Treatment		Sq Ft	2,222	
Pedestrian Rail (Special)		Foot	181	
Permanent Steel Sheet Piling		Sq Ft	3,445	

* Quantity may vary depending on sheet piling section.



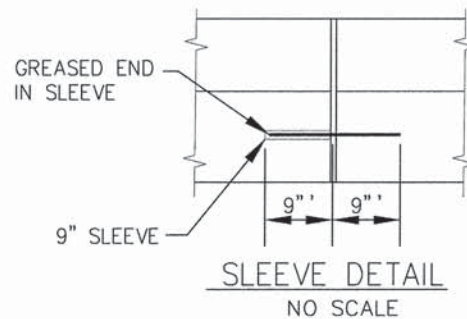
COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12 (SPECIAL)

NO SCALE
SEE SLEEVE DETAIL AND NOTES FOR COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12 (SPECIAL)



GENERAL NOTES:
FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.
REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

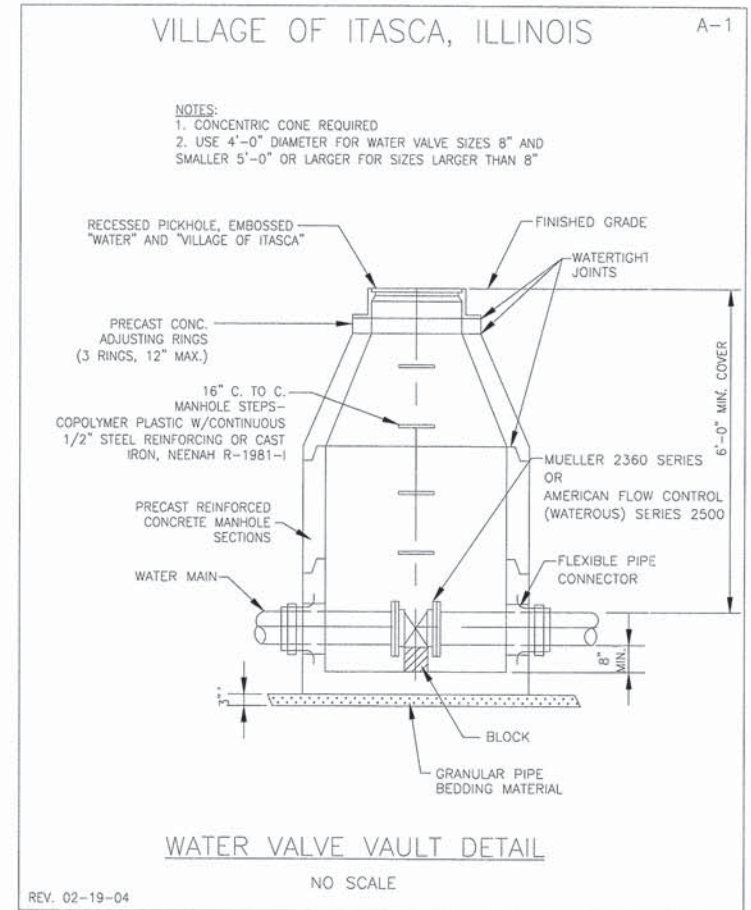
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NO SCALE



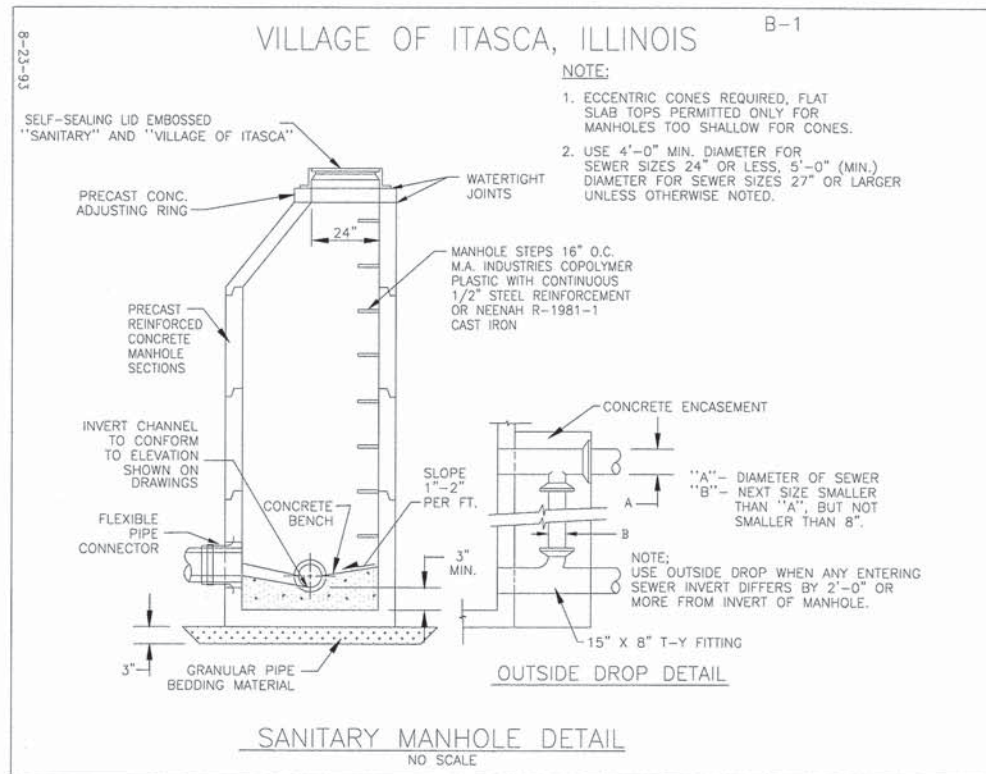
SLEEVE DETAIL
NO SCALE

NOTES:

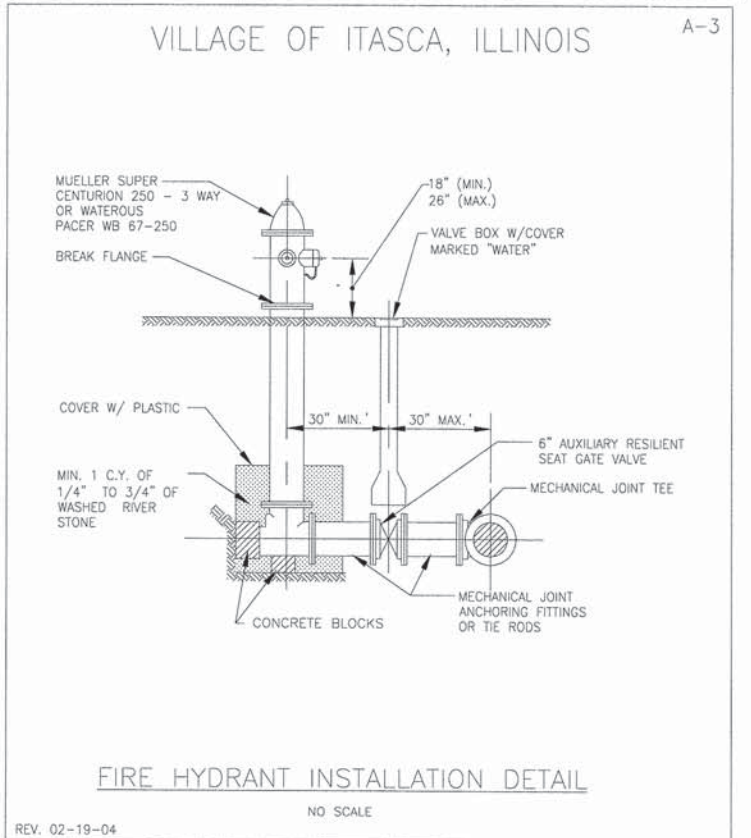
- EXPANSION JOINTS W/ 3/4" PREFORMED EXPANSION JOINT MATERIAL & TWO (2) #6 SMOOTH DOWEL BARS WITH GREASE CAPS SHALL BE PLACED:
 - AT ENDS OF INTERSECTION RADII, P.C.'S, RADIUS POINTS, & BACK OF CUL-DE-SACS
 - 5 FT. ON EACH SIDE OF DRAINAGE STRUCTURES
 - MAX. OF 60 FT. INTERVALS
 - WHERE NEW CURB MEETS EXISTING CURB, THE EXISTING CURB SHALL BE DRILLED AND TWO (2) #6 SMOOTH DOWEL BARS GROUTED IN PLACE W/ THE GREASE CAP PLACED ON THE SIDE OF THE NEW CURB & GUTTER.
- SAWCUT CONTRACTION JOINTS AT 15 FT. INTERVALS.
- SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HRS. AND SEALED W/ JOINT SEALANT, JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.



WATER VALVE VAULT DETAIL
NO SCALE



SANITARY MANHOLE DETAIL
NO SCALE



FIRE HYDRANT INSTALLATION DETAIL
NO SCALE

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 3030 S. WOODSTOCK AVE., SUITE 100, CHICAGO, IL 60643-4000
 TEL: 773.277.7000 FAX: 773.277.7001
 WWW.BAXTERANDWOODMAN.COM



DESIGNED - CAC	REVISED -
DRAWN - LKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 7/17/13	FILE - 071648-ErosDet.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

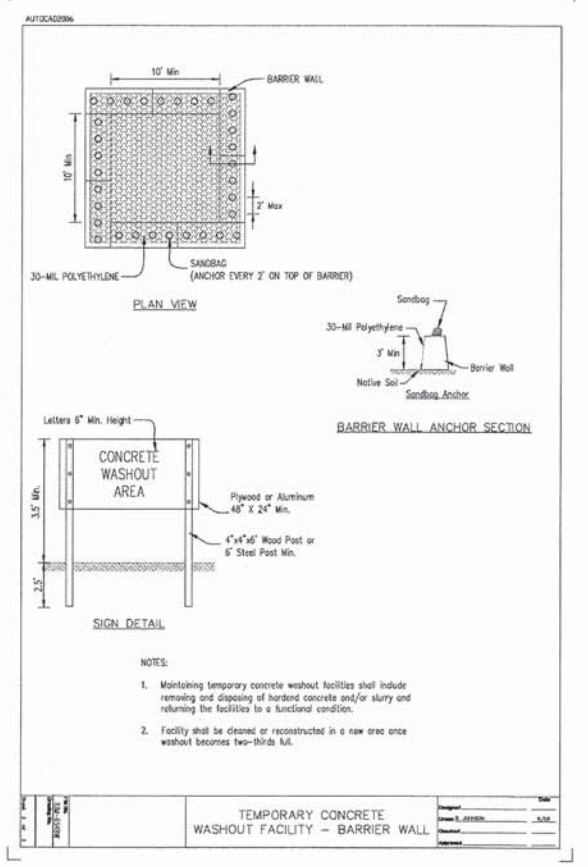
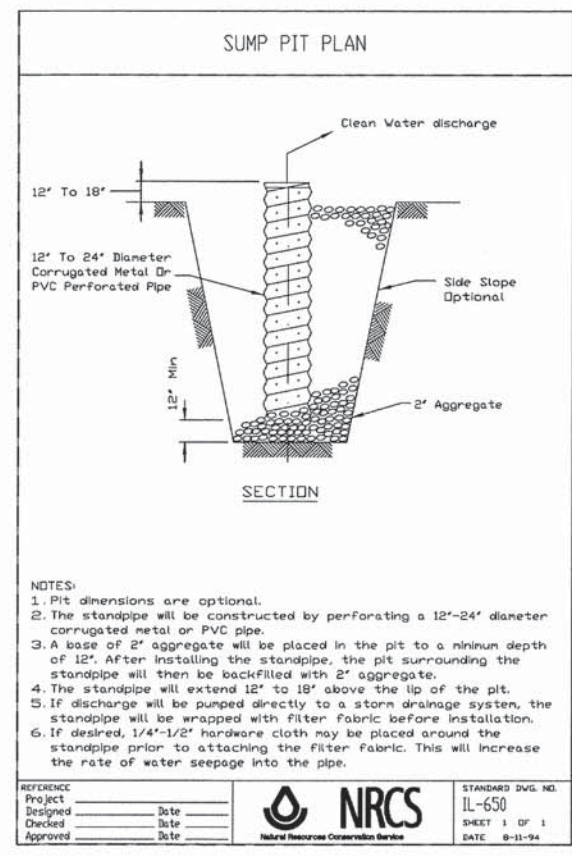
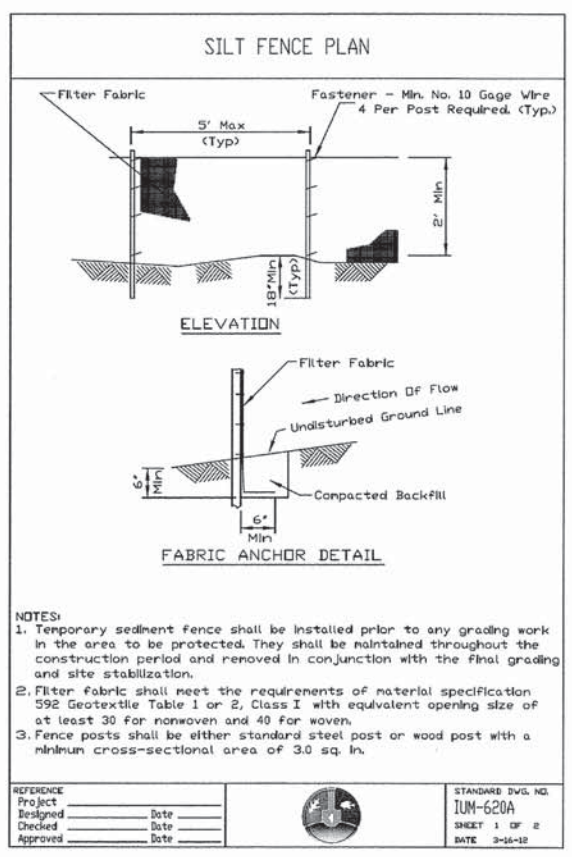
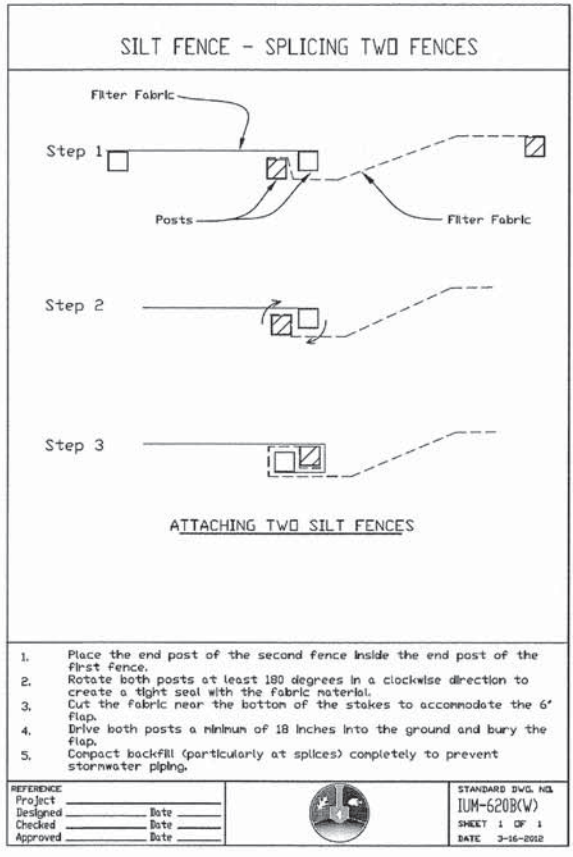
DETAILS

SCALE: NONE

STA. TO STA.

MIN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	22
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-800319951	

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 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 384-000217 - EXPIRES 7/30/2013
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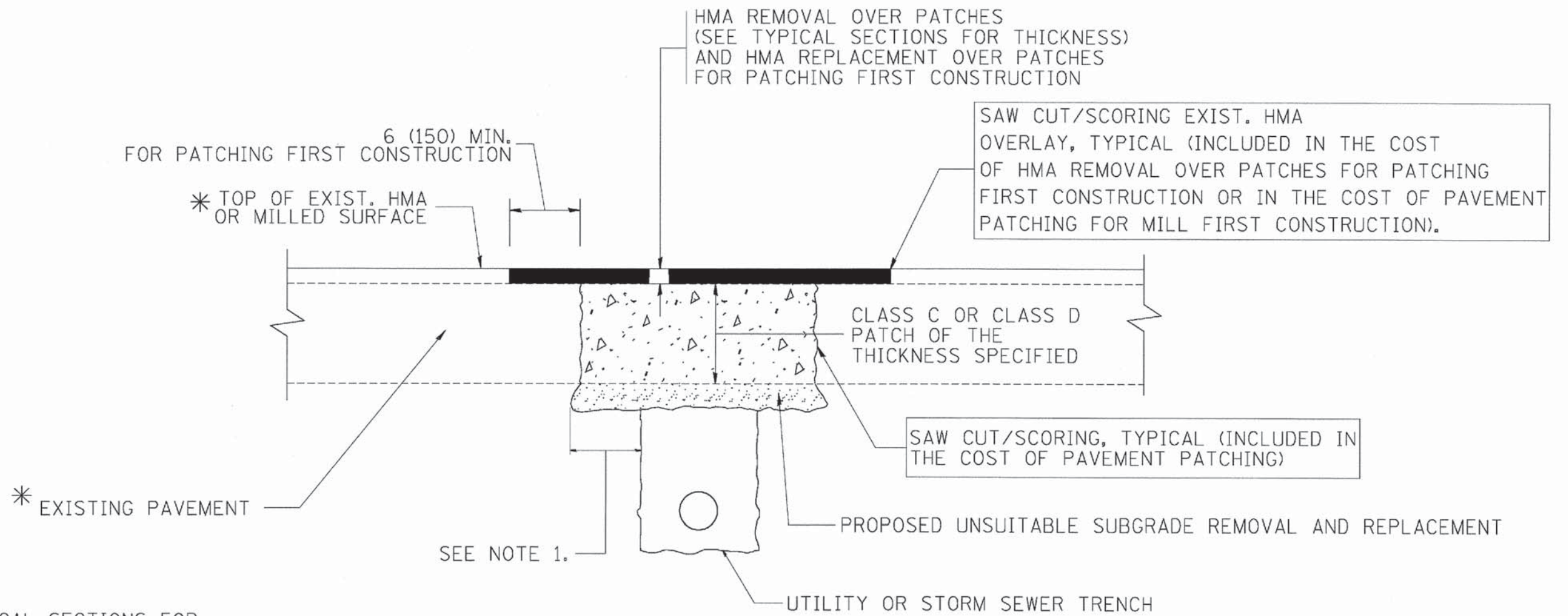
DESIGNED - CAC	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 7/17/13	FILE - 071648-ErosDet.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

SCALE: NONE STA. TO STA.

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63775	
			BRM-80039951	



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

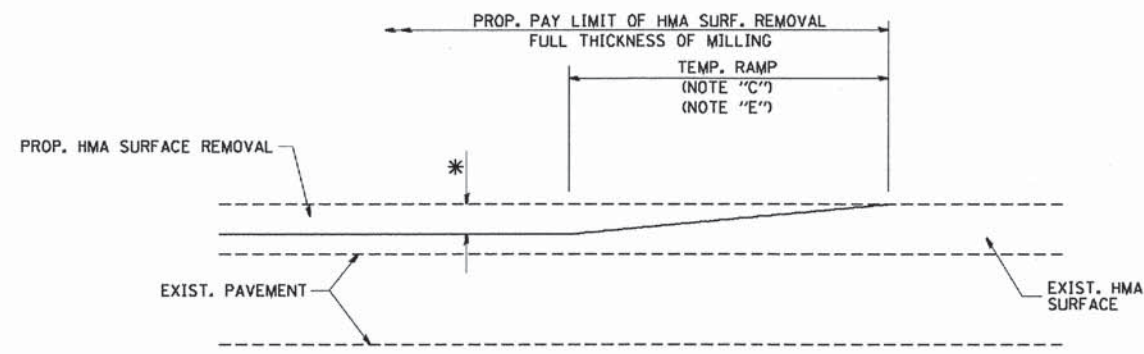
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

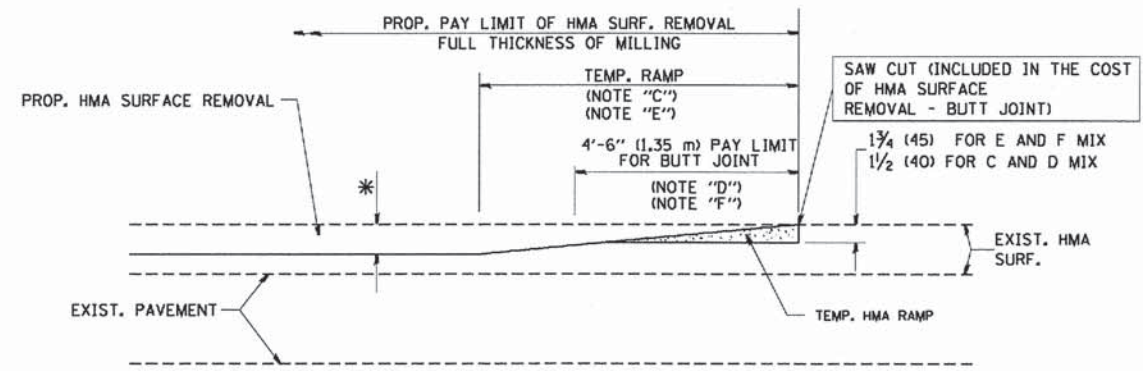
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\distas22x34\ba22.dgn	USER NAME = bouard1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		2020	08-00057-00-BR	DUPAGE	42	24			
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 63775				
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT BRM-B0031995		



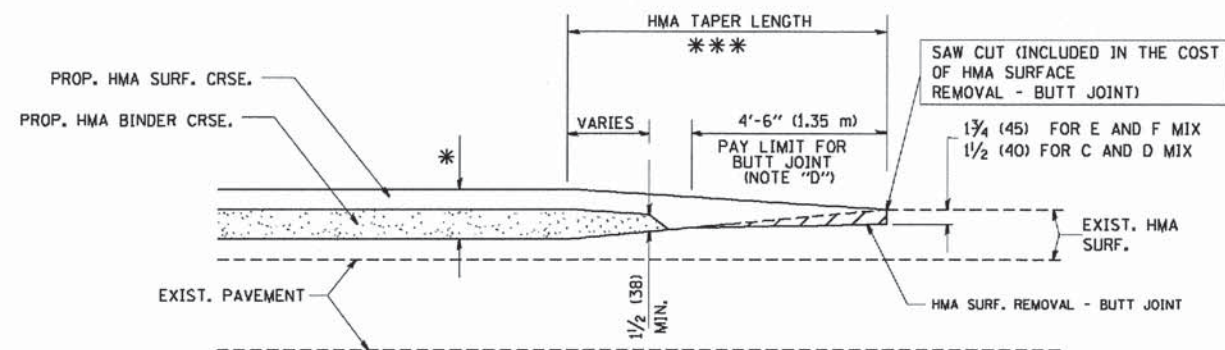
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

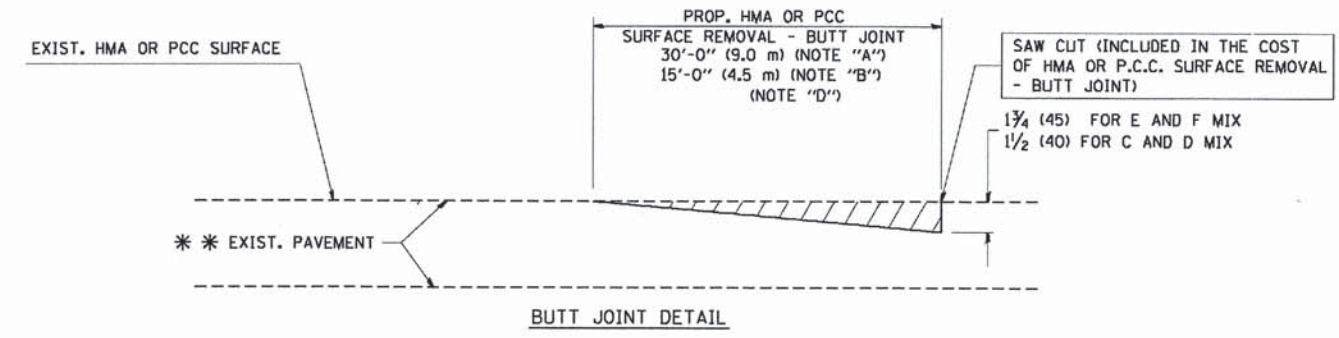


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

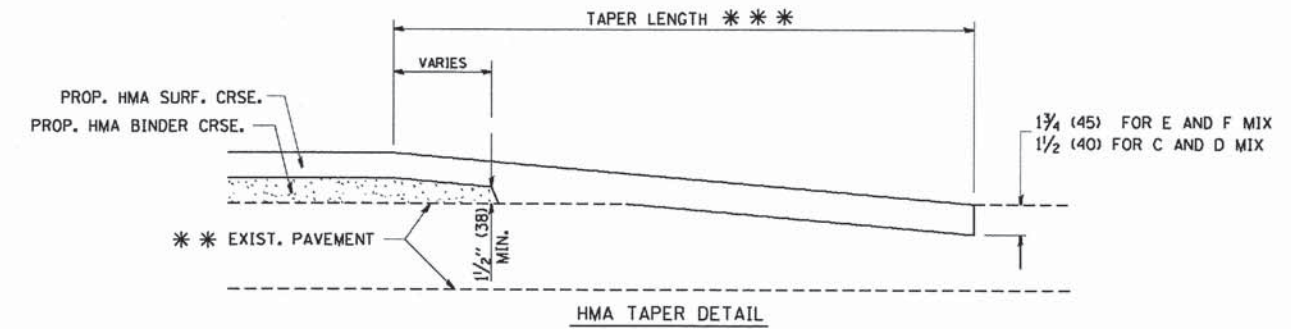
OPTION 2
TYPICAL TEMPORARY RAMP



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



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

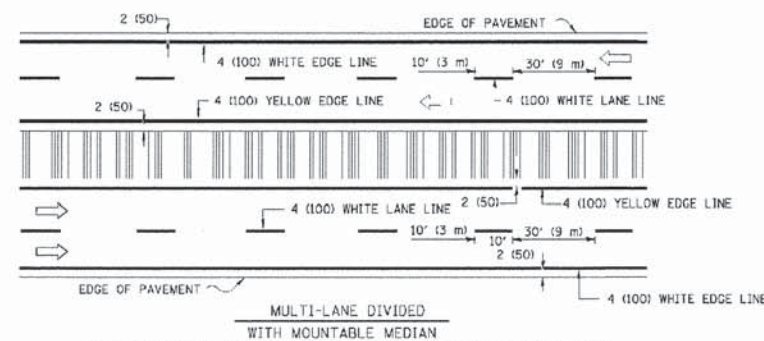
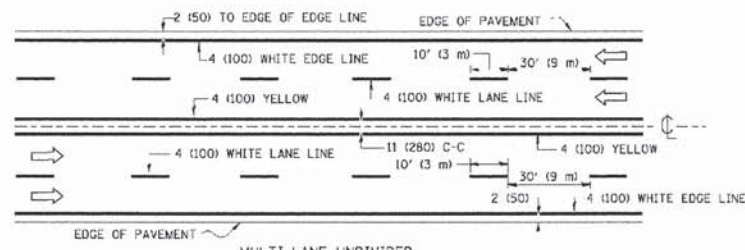
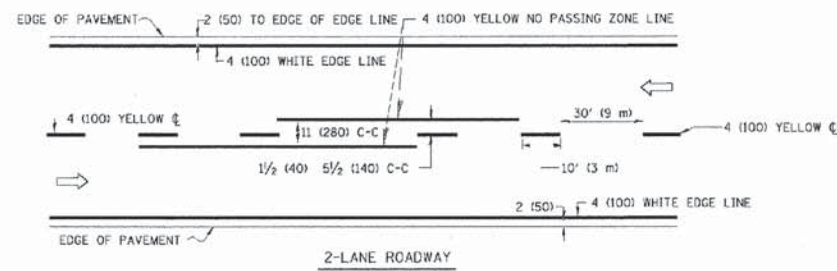
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 1/4 IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

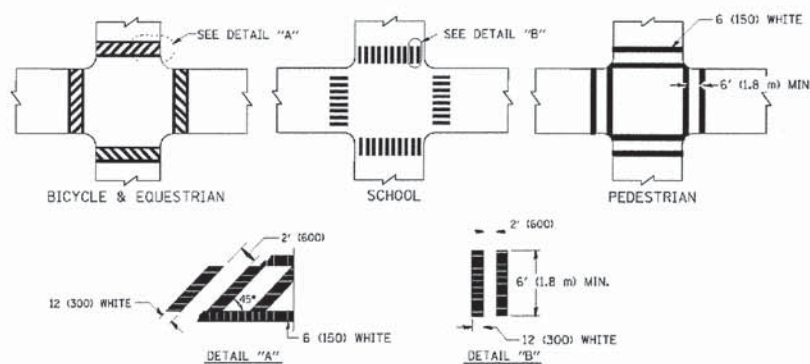
BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	25
BD400-05 BD32			CONTRACT NO. 63775	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-0003(995)				

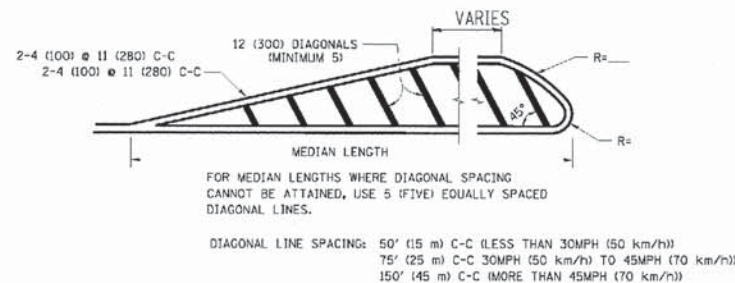
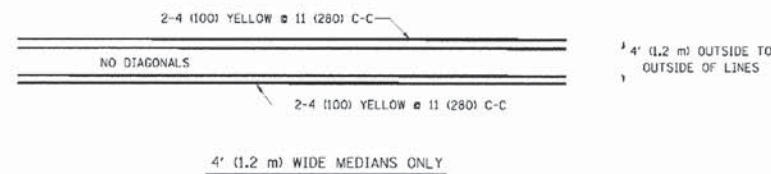


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

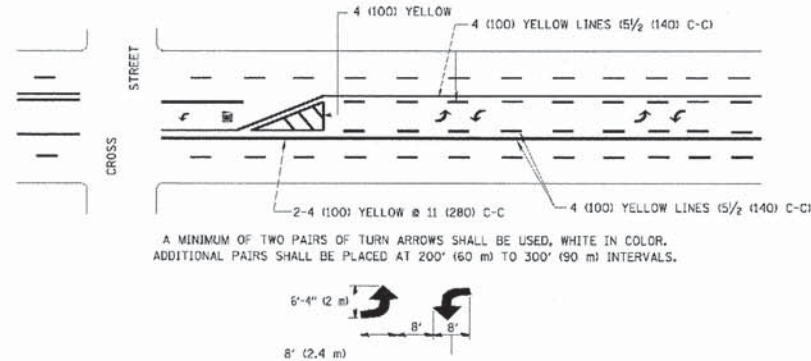
TYPICAL LANE AND EDGE LINE MARKING



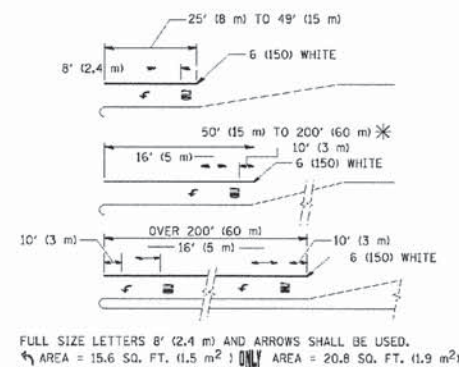
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE

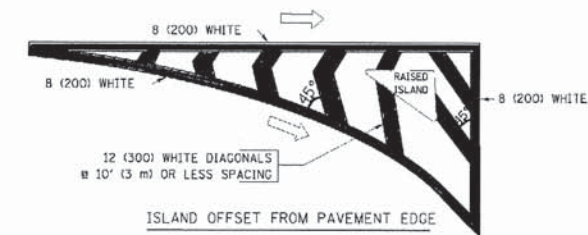


TYPICAL PAINTED MEDIAN MARKING

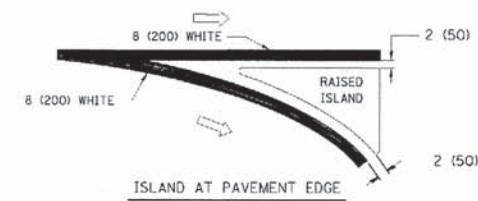


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) 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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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.

FILE NAME =	USER NAME = drvaknagn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
DATE = 03-19-90	SCALE = 08.000 1/4 IN.	CHECKED -	REVISED C. JUCIUS 09-09-09
		DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

F.A. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020 08-00057-00-BR	DUPAGE	42	26
TC-13		CONTRACT NO. 63775	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-8003(995)			

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

ROUTE MARKERS

FOR U.S. ROUTES
MI-40-2424

FOR ILLINOIS ROUTES
MI-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

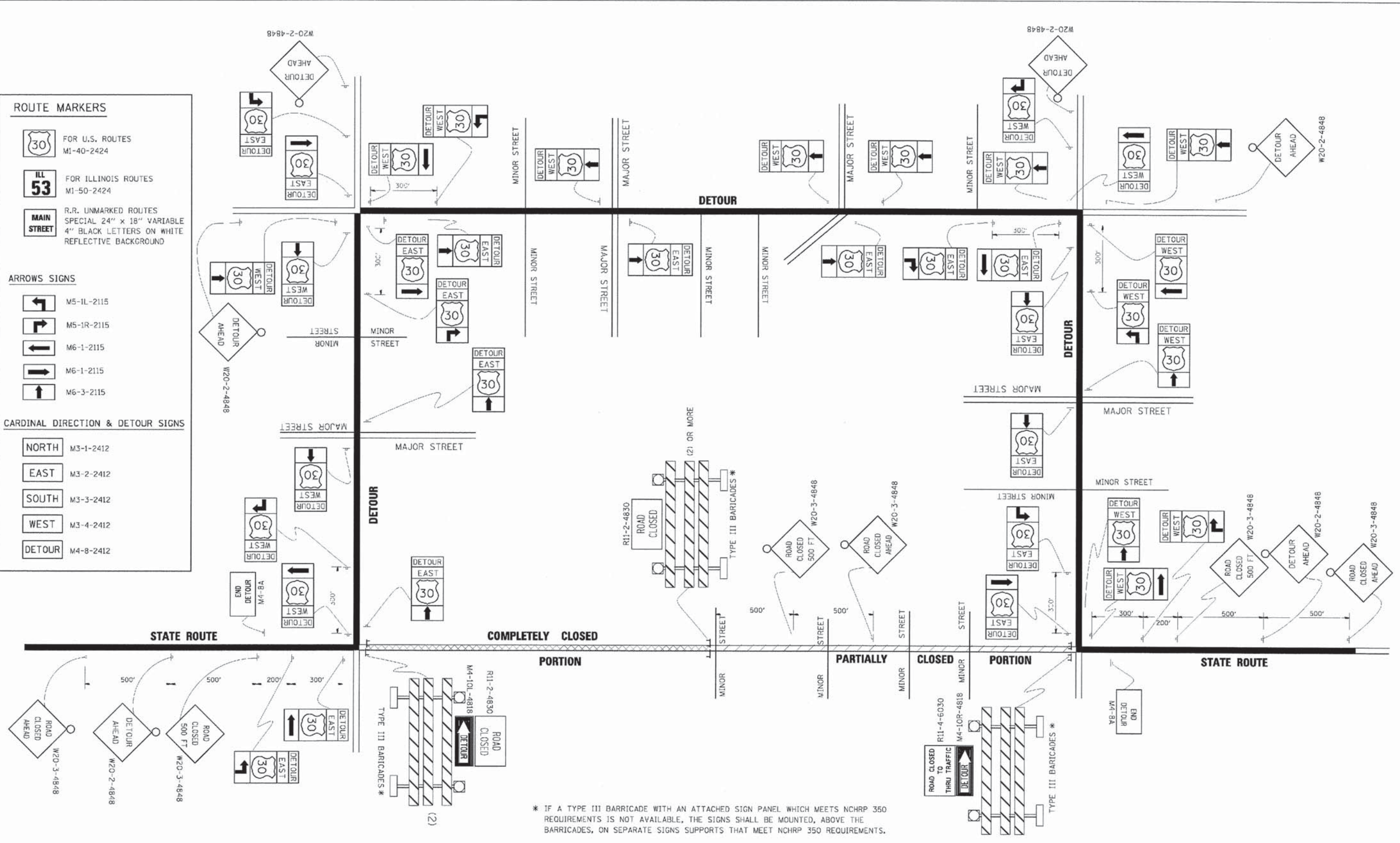
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



P.L.E. NAME *	USER NAME * drsvakasn	DESIGNED -	REVISED - 10-18-02
DATE	SCALE = 1/4" = 1'-0"	DRAWN	REVISED R. BORO 09-14-09
		CHECKED -	REVISED -
		DATE	REVISED

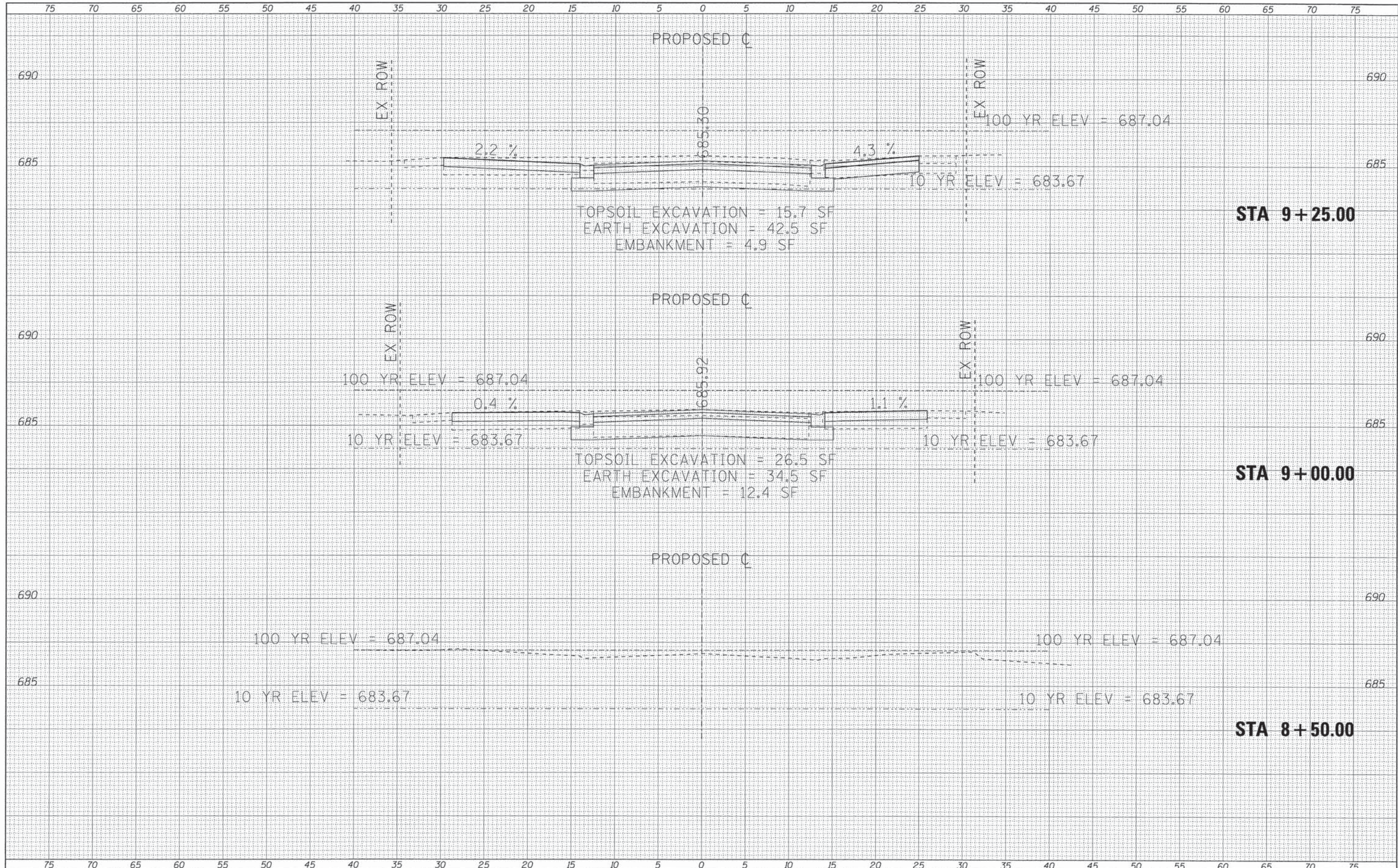
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	27
TC-21		CONTRACT NO. 63775		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-8003(995)				

DATE	
BY	
FINAL SURVEY	
NOTED	
NO.	
AREAS CHECKED	

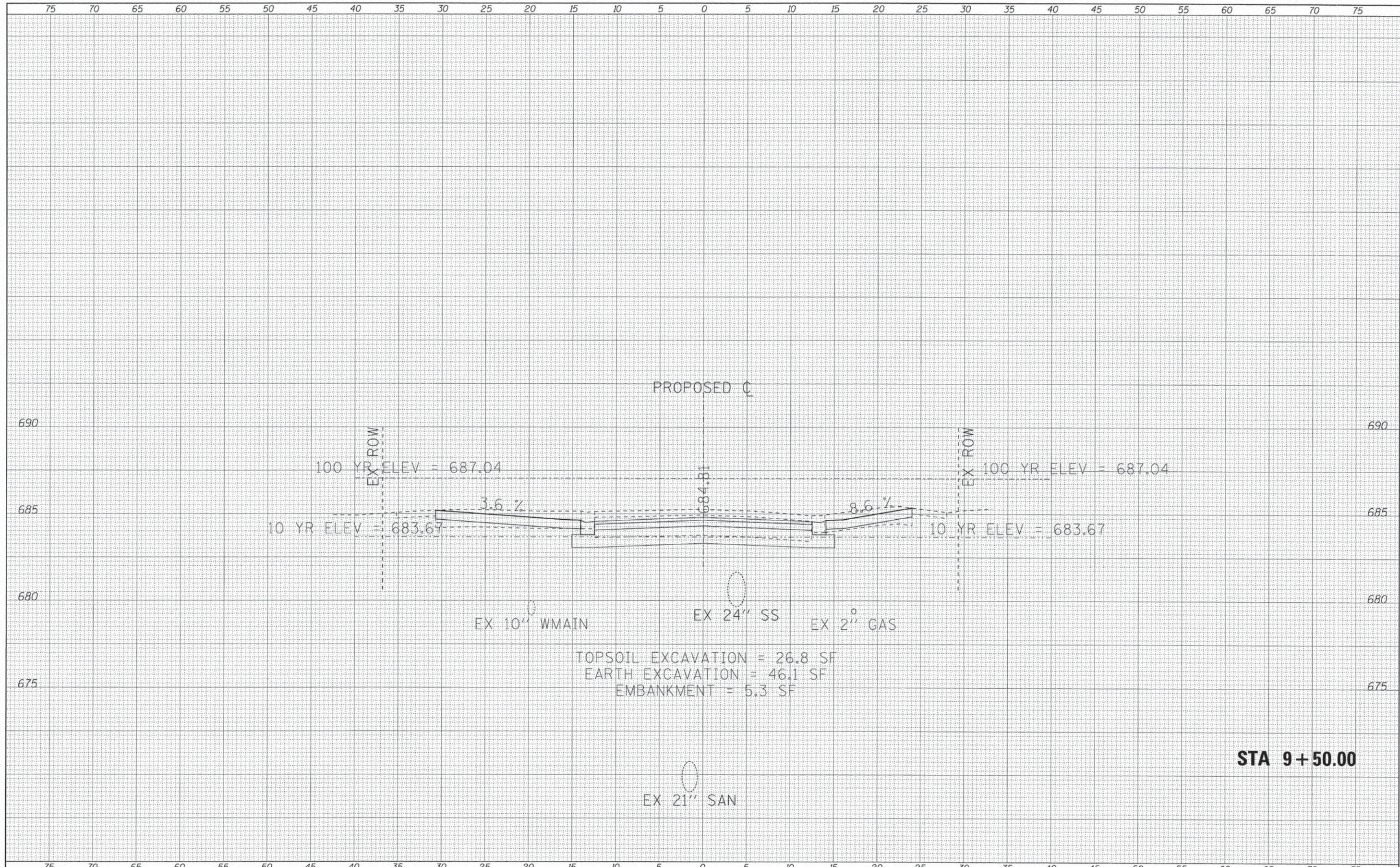
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BY	
ORIGINAL SURVEY	
NOTED	
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AREAS CHECKED	



FILE NAME =	USER NAME = 23lukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\corp.baxwood.com\projects\Grayslake\ITASV\071648	648 Maple Street\CADD\Drawings\071648	DRAWN - LKB	REVISED -			2020	08-00057-00-BR	DIWAGE	42	28
Default	PLOT SCALE = 5.0000' / 1"	CHECKED - TAO	REVISED -			SCALE: 1"=5'-1/2" 2"=5'-0" SHEET		OF SHEETS STA. 8+50.00 TO STA. 9+25.00		CONTRACT NO. 63775
	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -					ILLINOIS FED. AID PROJECT BRM-8003(995)		

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

ORIGINAL	SURVEYED	DATE
SUPPLY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



TOPSOIL EXCAVATION = 26.8 SF
 EARTH EXCAVATION = 46.1 SF
 EMBANKMENT = 5.3 SF

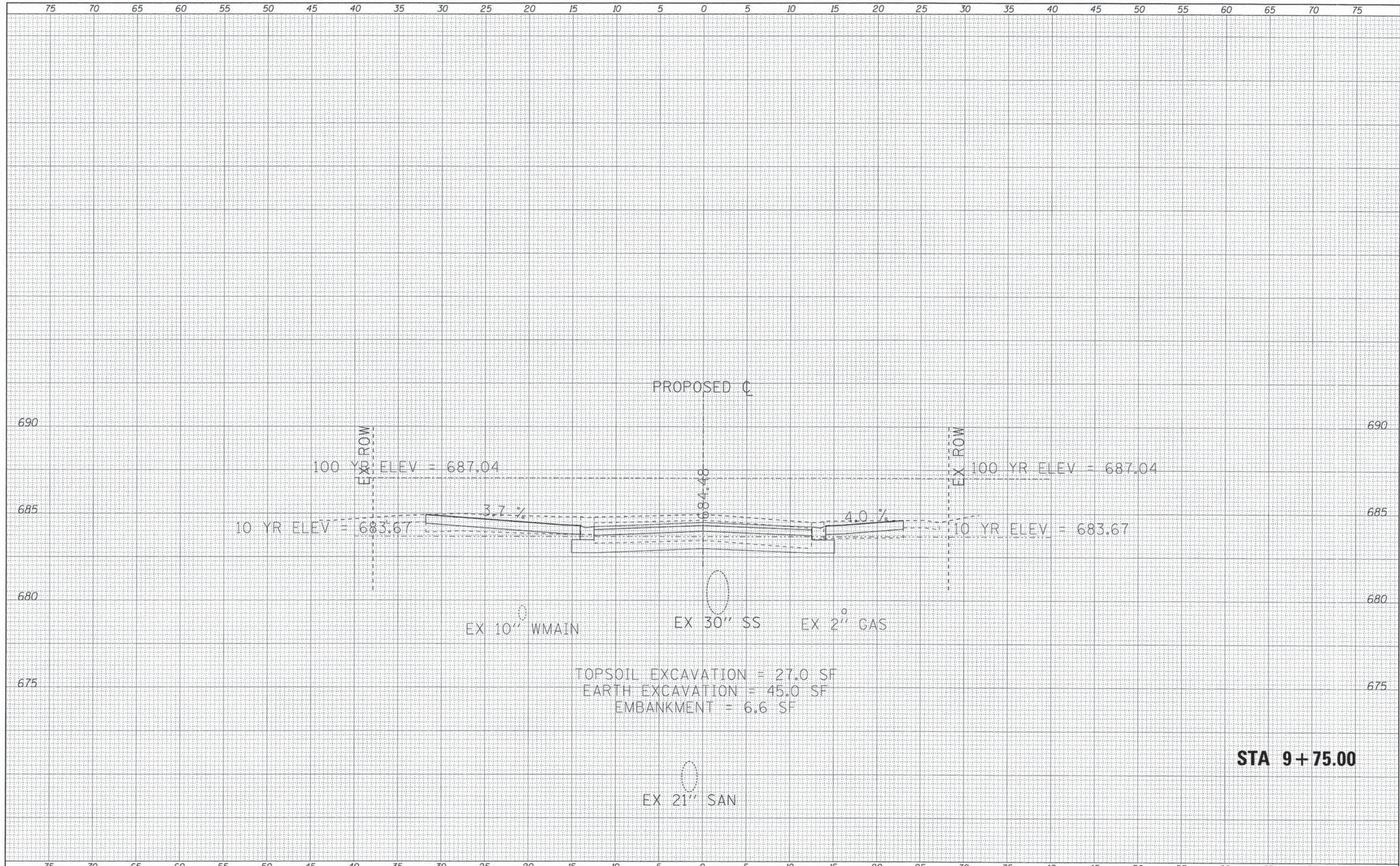
STA 9+50.00

FILE NAME =	USER NAME = 23ukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -			ILLINOIS FED. AID PROJECT BRM-8003(995)				

SCALE: 1"=5'-4" 2"=5'-0" SHEET OF SHEETS STA. 9+50.00 TO STA. 9+50.00

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

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



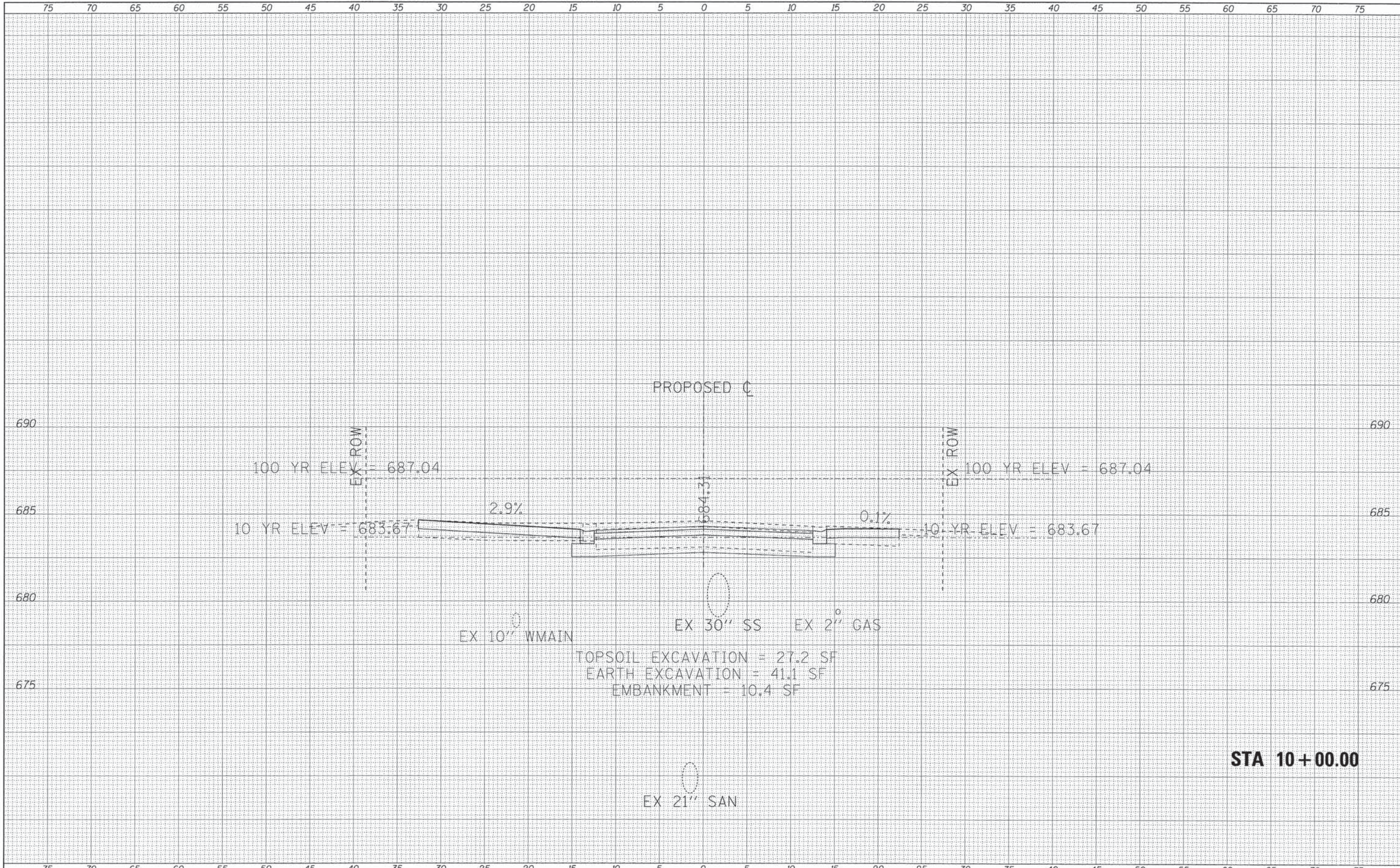
TOPSOIL EXCAVATION = 27.0 SF
 EARTH EXCAVATION = 45.0 SF
 EMBANKMENT = 6.6 SF

STA 9+75.00

FILE NAME =	USER NAME = 23ukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\corp.baxwood.com\projects\Grayslake\ITASV\07	648 Maple Street\CADD\Drawings\DON\071648	DRAWN - UKB	REVISED -			2020	08-00057-00-BR	ILLINOIS	42	30	
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	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -								

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

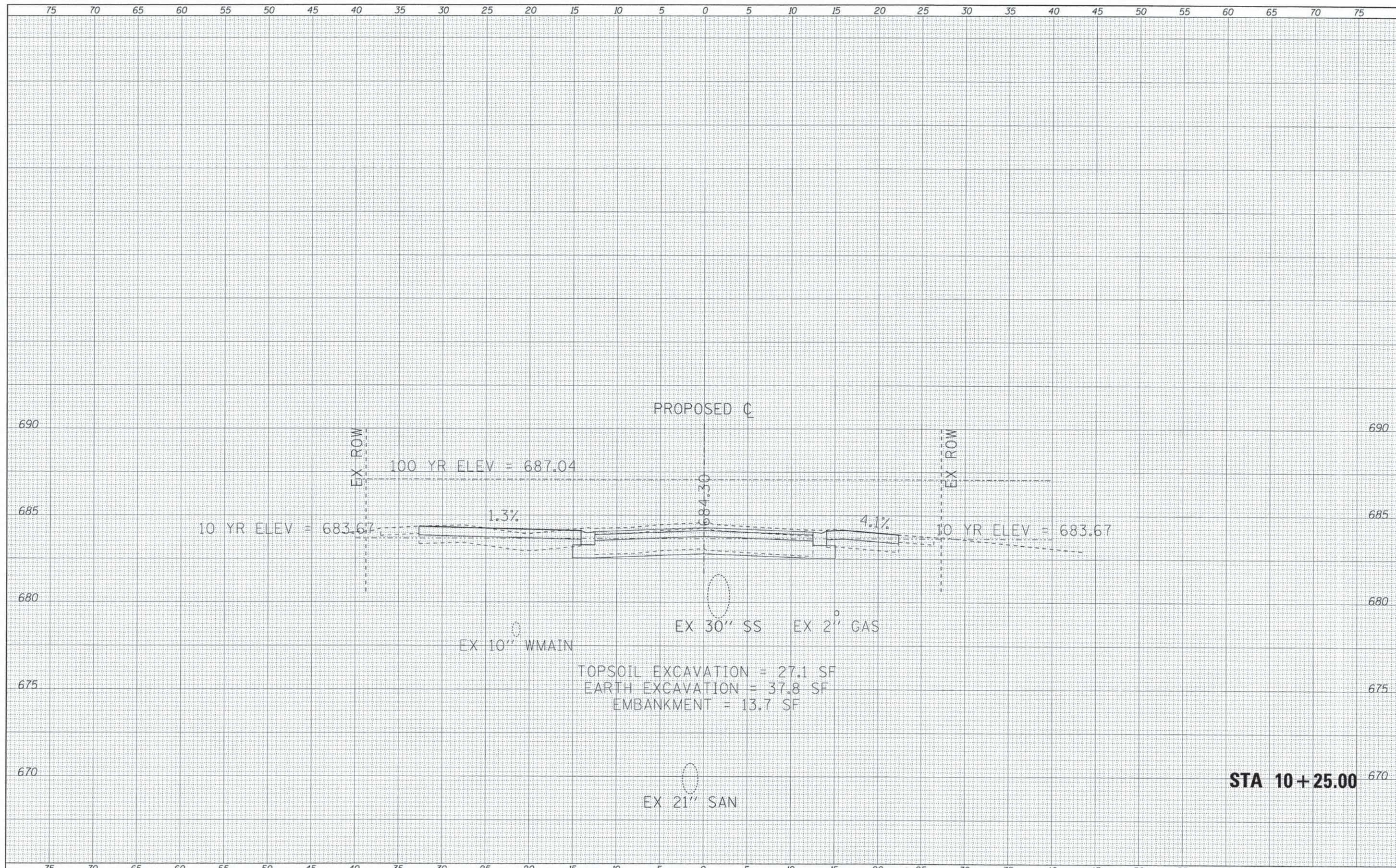


STA 10+00.00

FILE NAME =	USER NAME = 231ukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 5.0000' / 1"	CHECKED - TAO	REVISED -			SCALE: 1"=5' 2"=5' SHEET OF SHEETS STA. 10+00.00 TO STA. 10+00.00		CONTRACT NO. 63775		ILLINOIS FED. AID PROJECT BRM-8003(995)	
	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -								

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

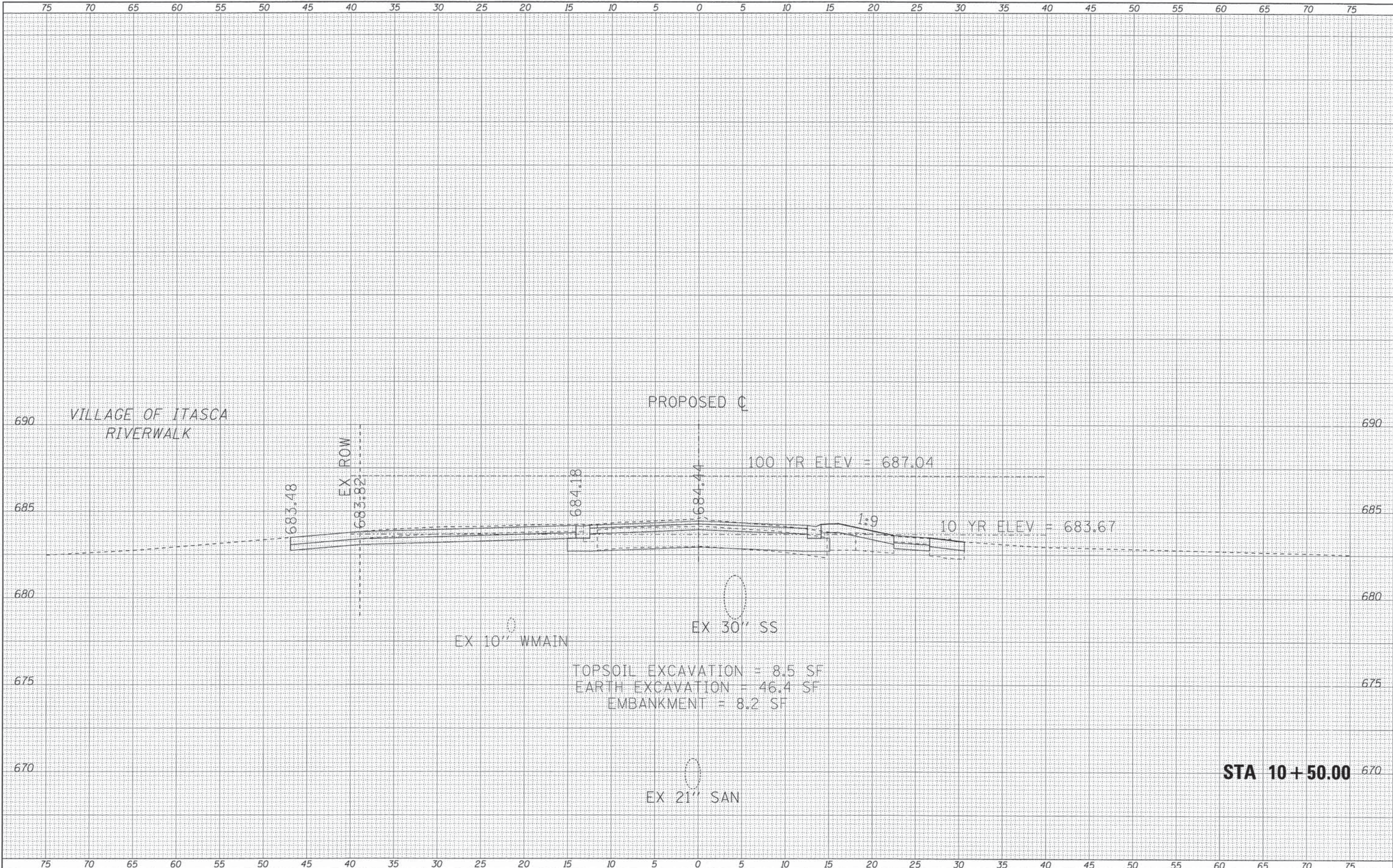
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NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = 23lukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 5.0000' / 1"	CHECKED - TAO	REVISED -			SCALE: 1"=5'-4" 2"=5'-4" SHEET		OF SHEETS		STA. 10+25.00 TO STA. 10+25.00
	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -			CONTRACT NO. 63775		ILLINOIS FED. AID PROJECT BRM-80039951		

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

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



STA 10+50.00

FILE NAME =
 \\corp.baxwood.com\projects\Grayslake\ITASV\07
 Defaults

USER NAME = 23lukb
 648 Maple Street\CADD\drawings\07\648-
 PLOT SCALE = 5.0000' / in.
 PLOT DATE = 7/28/2013

DESIGNED - CAC
 DRAWN - UKB
 CHECKED - TAO
 DATE - 07/17/13

REVISED -
 REVISED -
 REVISED -
 REVISED -

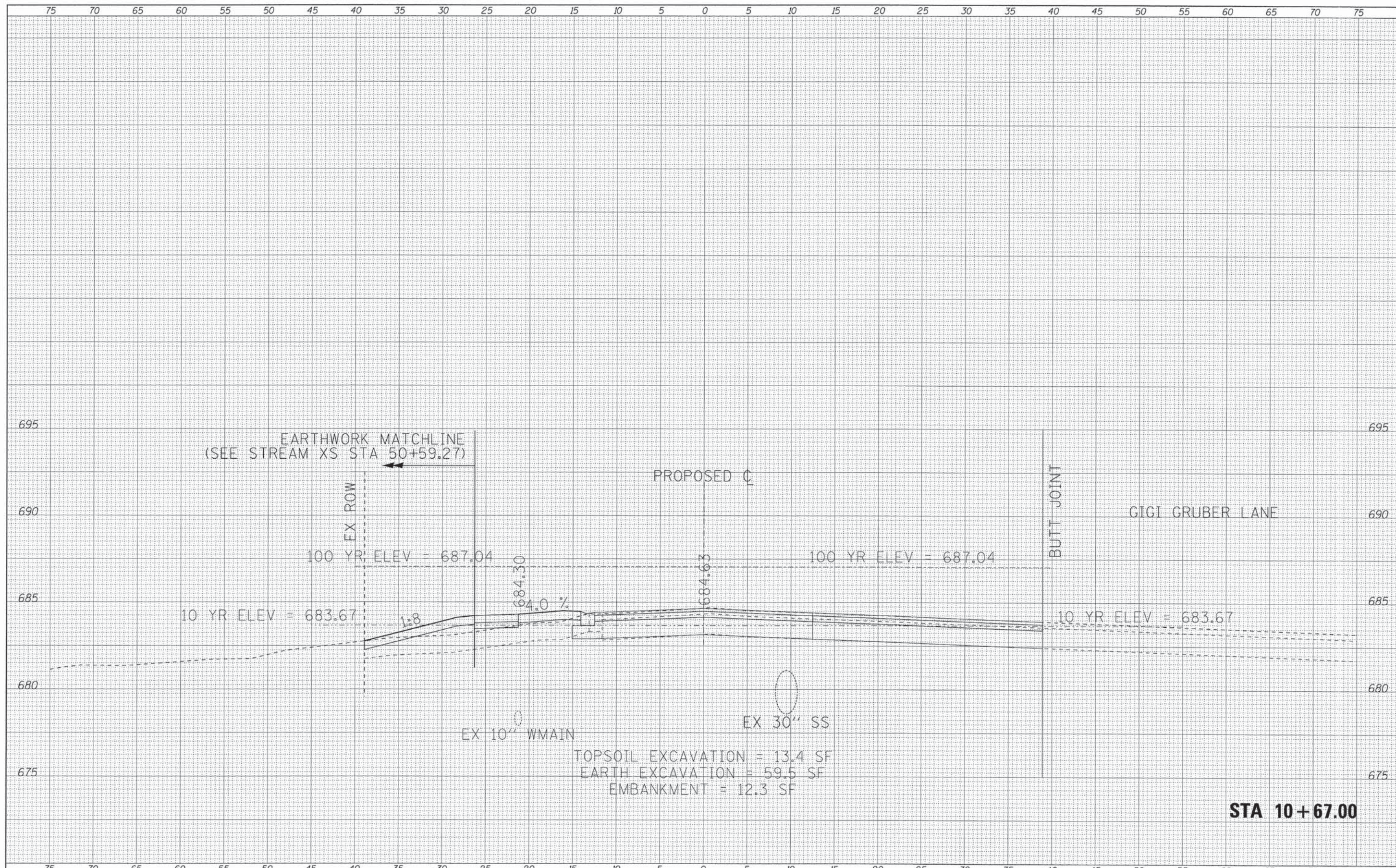
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: 1"=5'-1/4" 2"=5'-0" SHEET OF SHEETS STA. 10+50.00 TO STA. 10+50.00

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	33
CONTRACT NO. 63775			ILLINOIS FED. AID PROJECT BRM-8003(995)	

DATE	
BY	
FINISHED SURVEY	
NOTED BOOK	
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TEMPLATES	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
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TEMPLATES	
AREAS CHECKED	

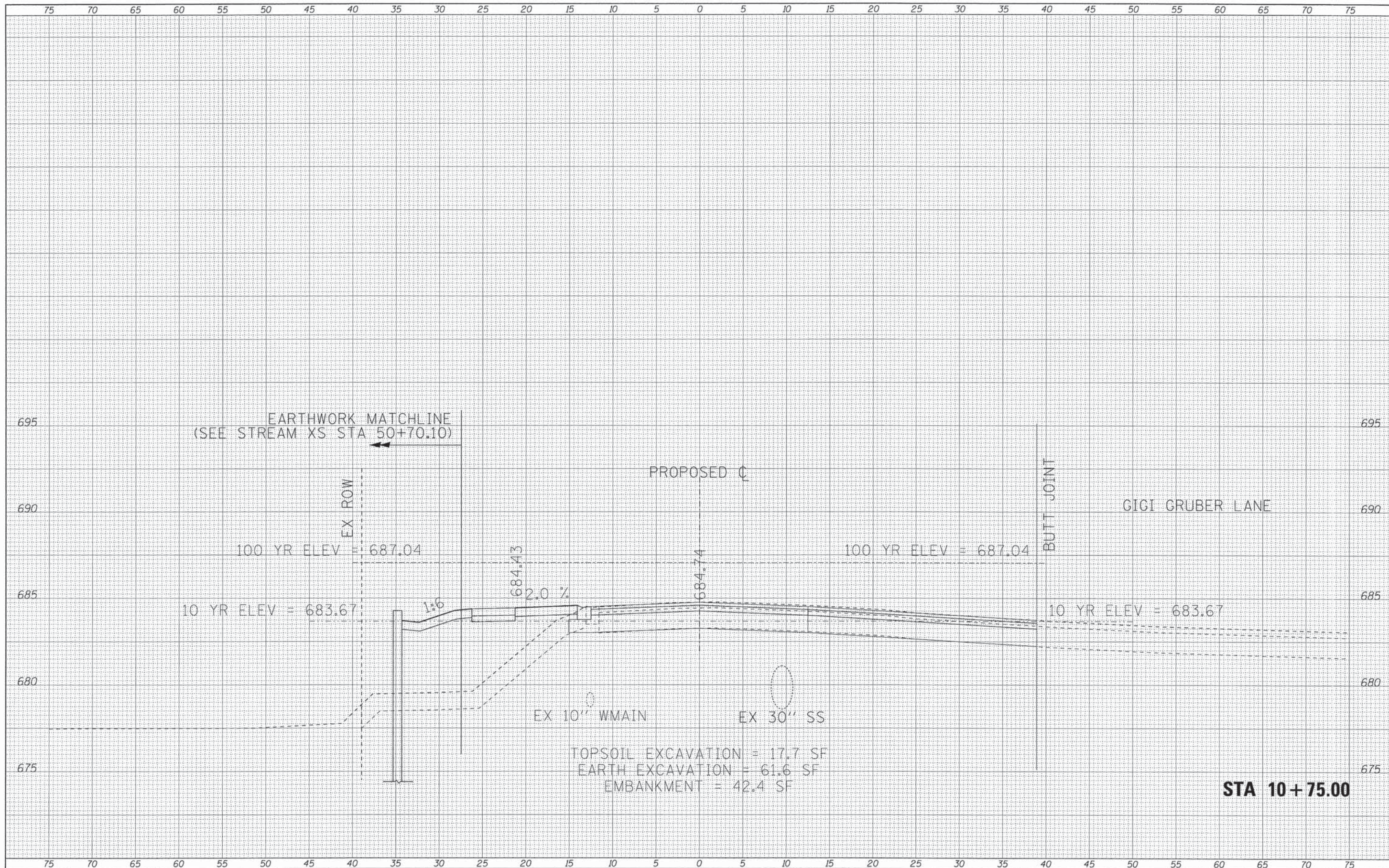


STA 10+67.00

FILE NAME =	USER NAME = 231ukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: 1"=5'-1/2" 2"=5'-0" SHEET OF SHEETS STA. 10+67.00 TO STA. 10+67.00	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\corp.baxwood.com\projects\Grayslake\ITASV\071648	648 Maple Street\CADD\Drawings\DON\071648	DRAWN - UKB	REVISED -			2020	08-00057-00-BR	DU PAGE	42	34	
Default	PLOT SCALE = 5.0000' / in.	CHECKED - TAO	REVISED -			CONTRACT NO. 63775					
	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -			ILLINOIS FED. AID PROJECT BRM-8003(995)					

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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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AREAS CHECKED	

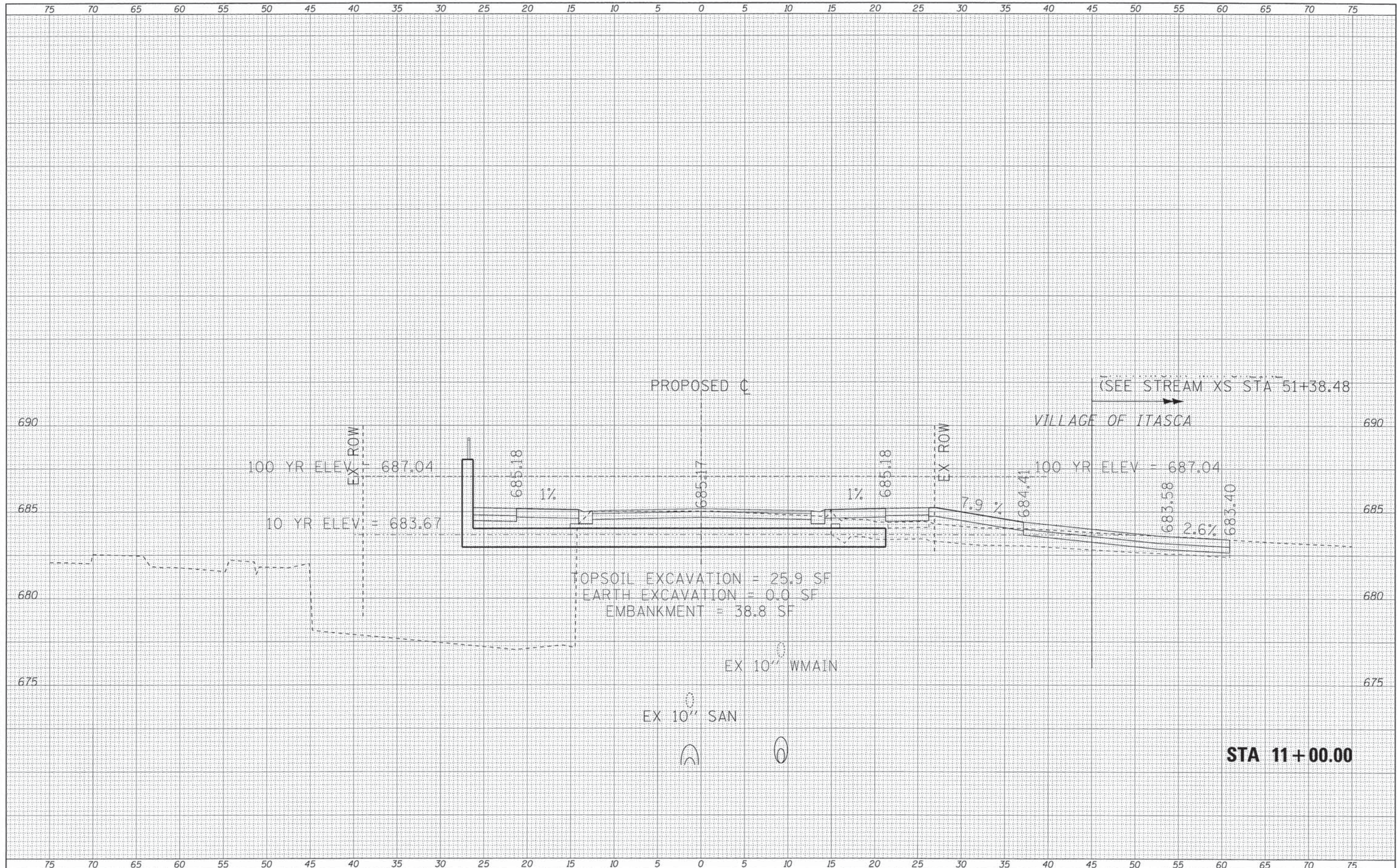


STA 10+75.00

FILE NAME =	USER NAME = 23jkkb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\corp.baxwood.com\projects\Grayslake\ITASV\071648	648 Maple Street\CAD\drawings\DDN\071648	DRAWN - LKB	REVISED -			2020	08-00057-00-BR	DUPAGE	42	35	
Default	PLDT SCALE = 5.0000' / 1"	CHECKED - TAO	REVISED -			SCALE: 1"=5'-4" 2"=5'-0" SHEET OF SHEETS STA. 10+75.00 TO STA. 10+75.00		CONTRACT NO. 63775		ILLINOIS FED. AID PROJECT BRM-8003(995)	
	PLDT DATE = 7/28/2013	DATE - 07/17/13	REVISED -								

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

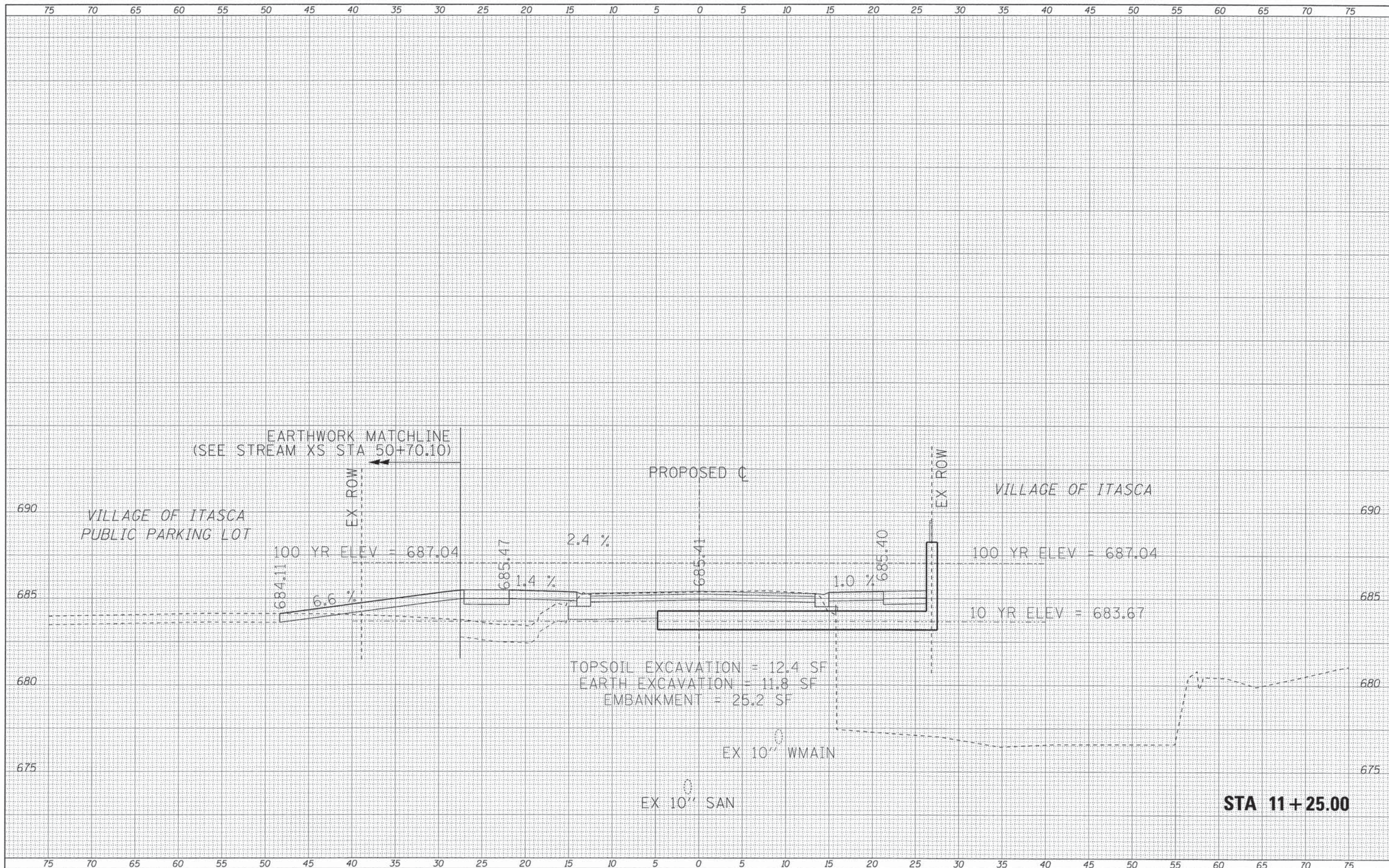
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
SURVEYED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME =	USER NAME = 231ukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\corp.baxwood.com\projects\Grayslake\ITASV\07	648 Maple Street\CADD\drawings\06N\071648	DRAWN - LKB	REVISED -			2020	08-00057-00-BR	DUPAGE	42	36	
Default	PLOT SCALE = 5,0000' / in.	CHECKED - TAO	REVISED -			SCALE: 1"=5' 1/2" 2"=5' SHEET OF SHEETS STA. 11+00.00 TO STA. 11+00.00					
	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -			CONTRACT NO. 63775 [ILLINOIS] FED. AID PROJECT BRM-8003(995)					

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

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



EARTHWORK MATCHLINE
(SEE STREAM XS STA 50+70.10)

VILLAGE OF ITASCA
PUBLIC PARKING LOT

VILLAGE OF ITASCA

TOPSOIL EXCAVATION = 12.4 SF
EARTH EXCAVATION = 11.8 SF
EMBANKMENT = 25.2 SF

EX 10" WMAIN

EX 10" SAN

STA 11+25.00

FILE NAME =	USER NAME = 23lukb	DESIGNED - CAC	REVISED -
\\corp.baxwood.com\projects\Grayslake\ITASCA\07	648 Maple Street\CADD\Drawings\DKV\071648-	DRAWN - LKB	REVISED -
Default	PLOT SCALE = 5.0000' / in.	CHECKED - TAO	REVISED -
	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

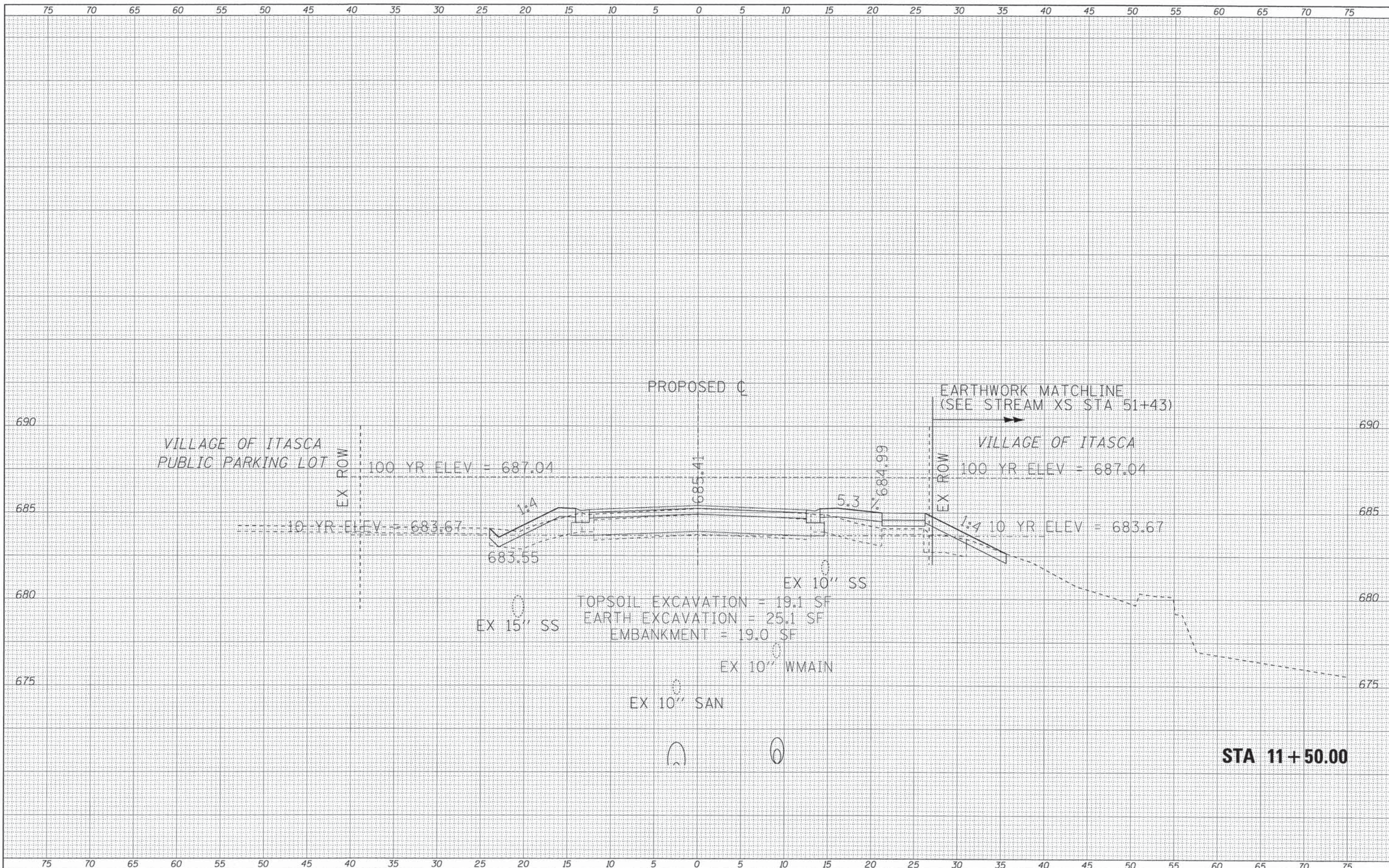
CROSS SECTIONS

SCALE: 1"=5'-1/4" 2"=5'-1/2" SHEET OF SHEETS STA. 11+25.00 TO STA. 11+25.00

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	37
CONTRACT NO. 63775			ILLINOIS FED. AID PROJECT BRM-800319951	

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

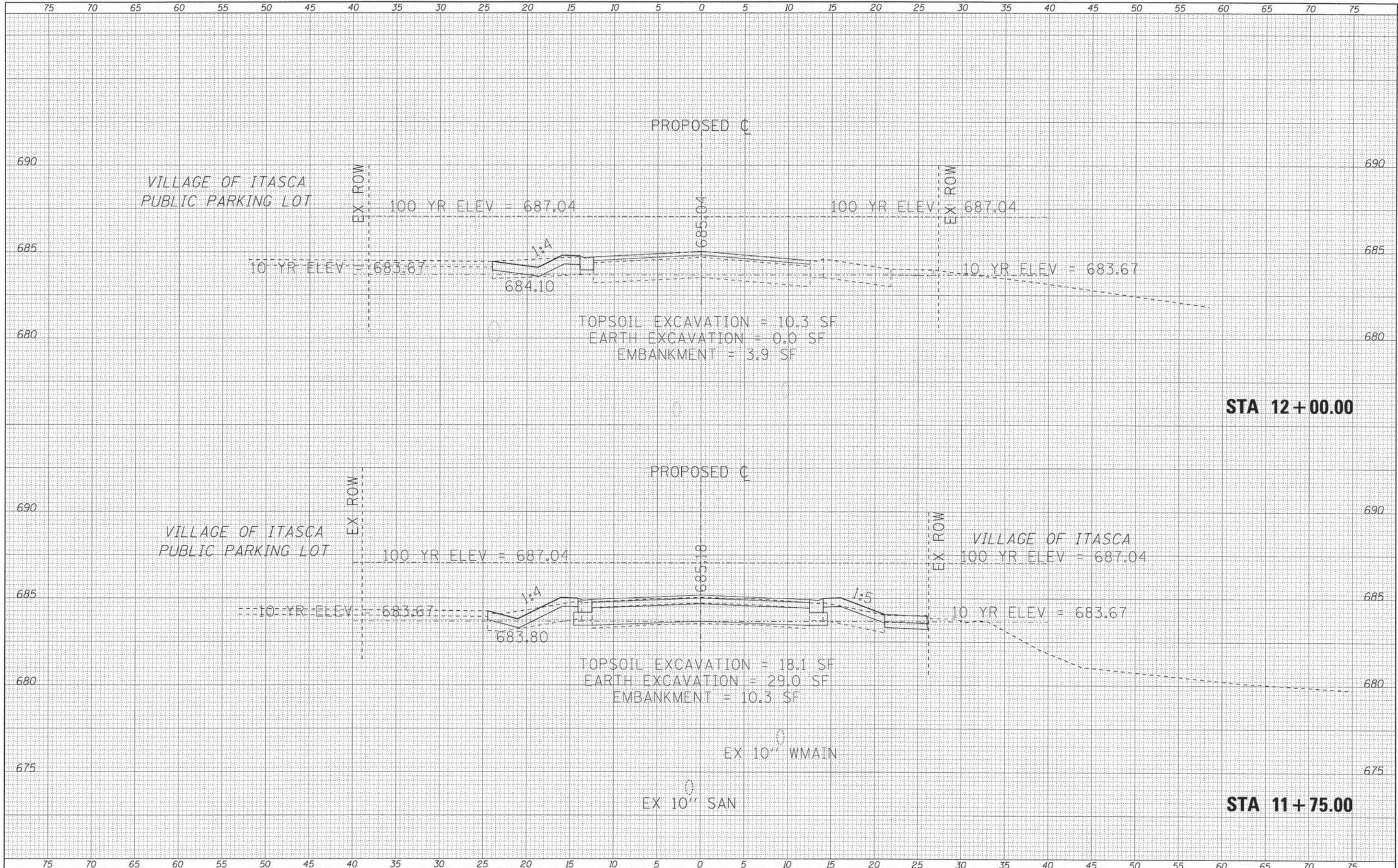
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = 23lukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\corp.baxwood.com\projects\Grayslake\ITASV\87	648 Maple Street\CADD\Drawings\00N\071648	DRAWN - LKB	REVISED -			2020	08-00057-00-BR	DuPAGE	42	38
Default	PLOT SCALE = 5.0000' / in.	CHECKED - TAO	REVISED -			CONTRACT NO. 63775				
	PLOT DATE = 7/20/2013	DATE - 07/17/13	REVISED -			[ILLINOIS] FED. AID PROJECT BRM-8003(995)				

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

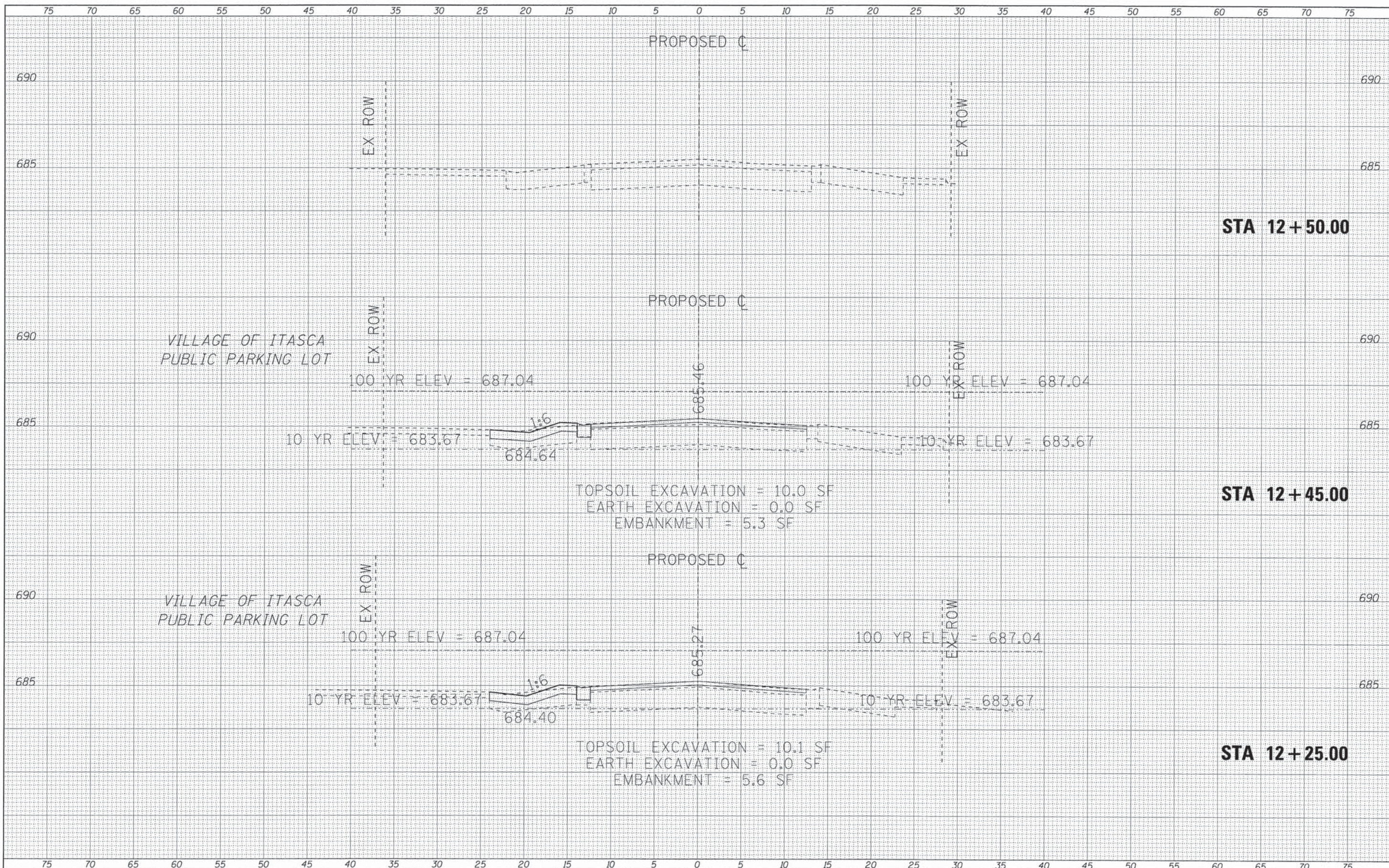
DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = 23lukb	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: 1" = 5' 1/4" 2" = 5' SHEET OF SHEETS STA. 11+75.00 TO STA. 12+00.00	MUN. ST. 2020	SECTION 08-00057-00-BR	COUNTY DUPAGE	TOTAL SHEETS 42	SHEET NO. 39	
\\corp.boxwood.com\projects\Grayslake\ITASCA\07	648 Maple Street\CADD\Drawings\DDN\071648-1	DRAWN - UKB	REVISED -			CONTRACT NO. 63775					
	PLOT SCALE = 5.0000' / 1"	CHECKED - TAO	REVISED -			ILLINOIS FED. AID PROJECT BRM-8003(995)					
Default	PLOT DATE = 7/28/2013	DATE - 07/17/13	REVISED -								

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

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



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SCALE: 1"=5' H 2"=5' V SHEET OF SHEETS STA. 12+25.00 TO STA. 12+50.00

FILE NAME =
\\corp.baxwood.com\projects\Grayslake\ITASV\07

USER NAME = 231ukb
648 Maple Street\CADD\Drawings\07\648

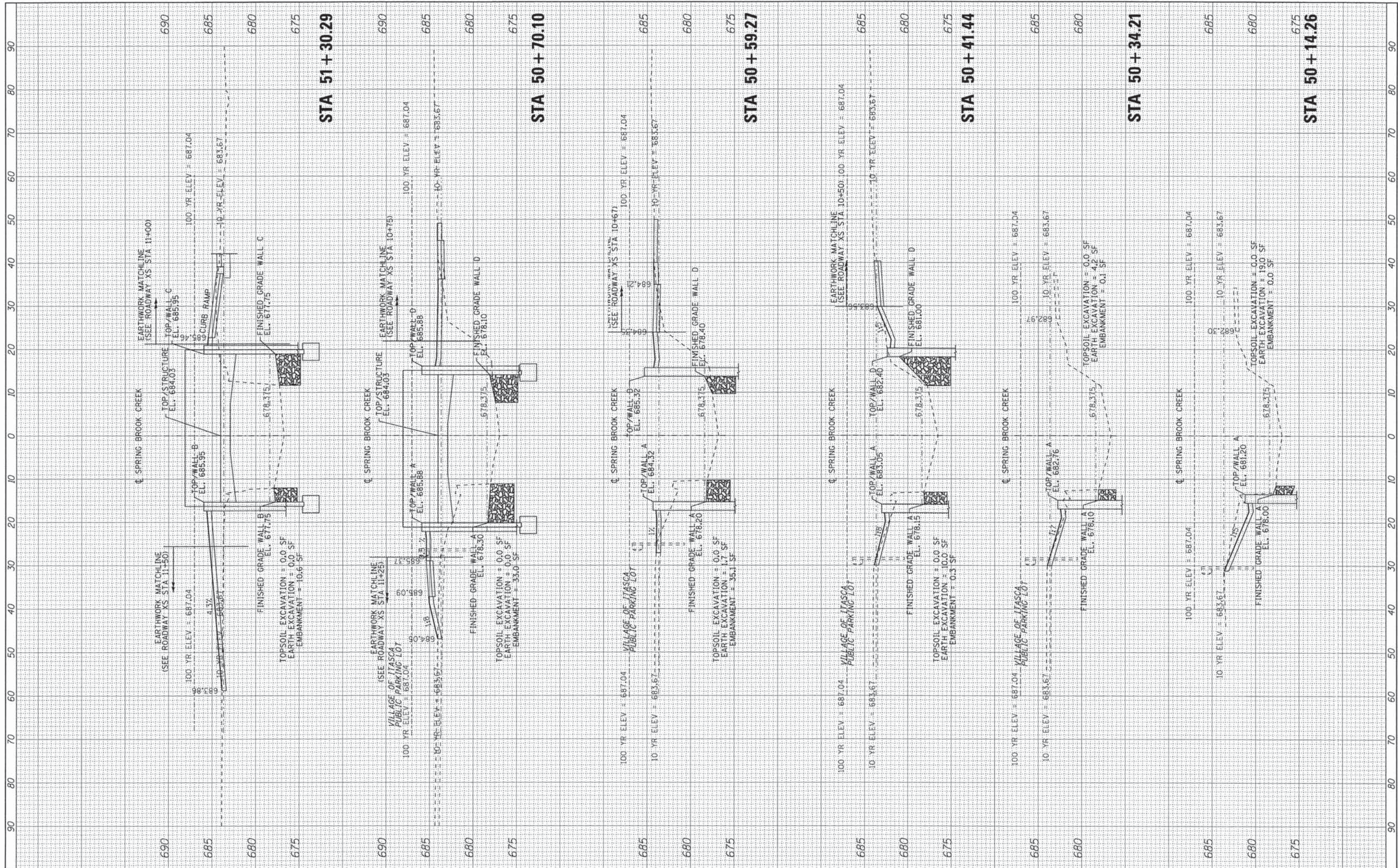
DESIGNED - CAC
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DATE - 07/17/13

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MUN ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	40
CONTRACT NO. 63775			[ILLINOIS] FED. AID PROJECT BRM-8003(995)	

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

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



FILE NAME = \\corp.baxwood.com\projects\Grayslake\ITASV\07
 USER NAME = 231ukb
 648 Maple Street\CADD\Drawings\00N\creekXS
 PLOT SCALE = 10,0000 "/>

DESIGNED - CSK
 DRAWN - LKB
 CHECKED - TAO
 DATE - 07/17/2013

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

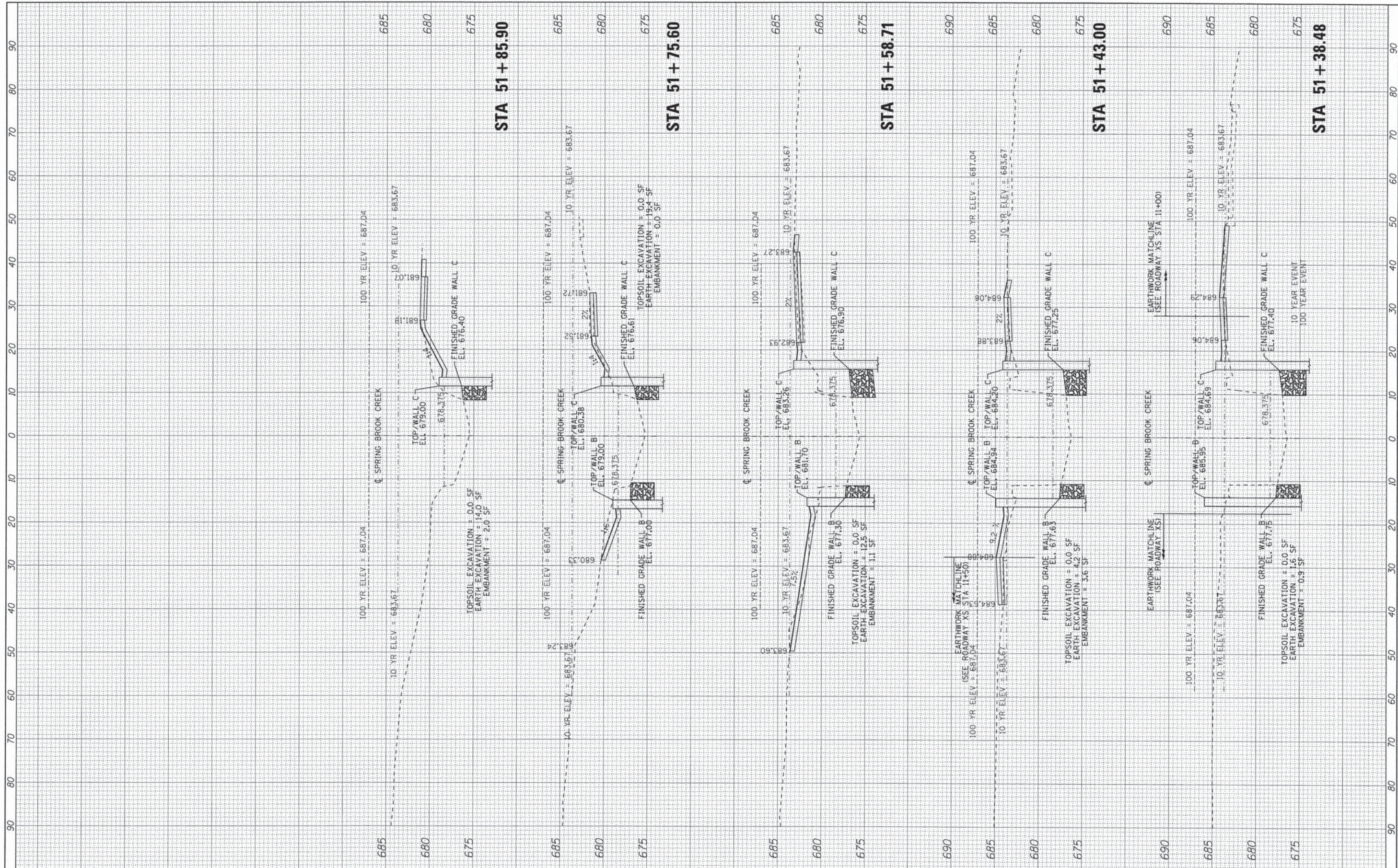
SCALE: 1"=10'H, 1"=5'V SHEET 1 OF 2 SHEETS STA. 50+14.26 TO STA. 51+30.29

SPRING BROOK CREEK
 CROSS SECTIONS

MUN ST	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR		42	41
CONTRACT NO. 63775			ILLINOIS FED. AID PROJECT BRM-8003(995)	

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

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



FILE NAME = \\corp.baxwood.com\projects\Grayslake\11A5V\87
 USER NAME = 23lukb
 PLOT SCALE = 10.0000' / 1" / in.
 PLOT DATE = 7/28/2013

DESIGNED - CSK
 DRAWN - LKB
 CHECKED - TAO
 DATE - 07/17/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SPRING BROOK CREEK
 CROSS SECTIONS**
 SCALE: 1"=10'H, 1"=5'V SHEET 2 OF 2 SHEETS STA. 51+38.48 TO STA. 51+85.90

MUN ST	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2020	08-00057-00-BR	DUPAGE	42	42
CONTRACT NO. 63775			ILLINOIS FED. AID PROJECT BRM-800319951	