

FILE: S:\PROJECTS\2011\1011-Joliet-Garnsey\DESIGN\DWG\SHEETS\110111\Cover_Sheet.dwg
FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL
PRINT: 06/11/2021 10:46 AM * PLOTTED

06-11-2021 LETTING ITEM 088

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	1
		ILLINOIS	CONTRACT NO. 61G53	

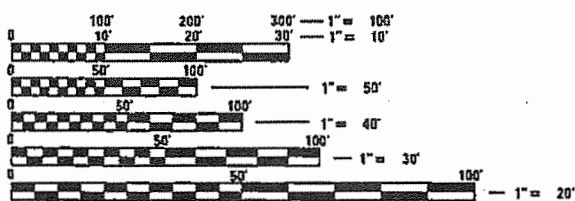
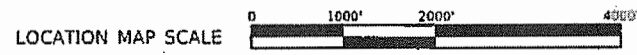
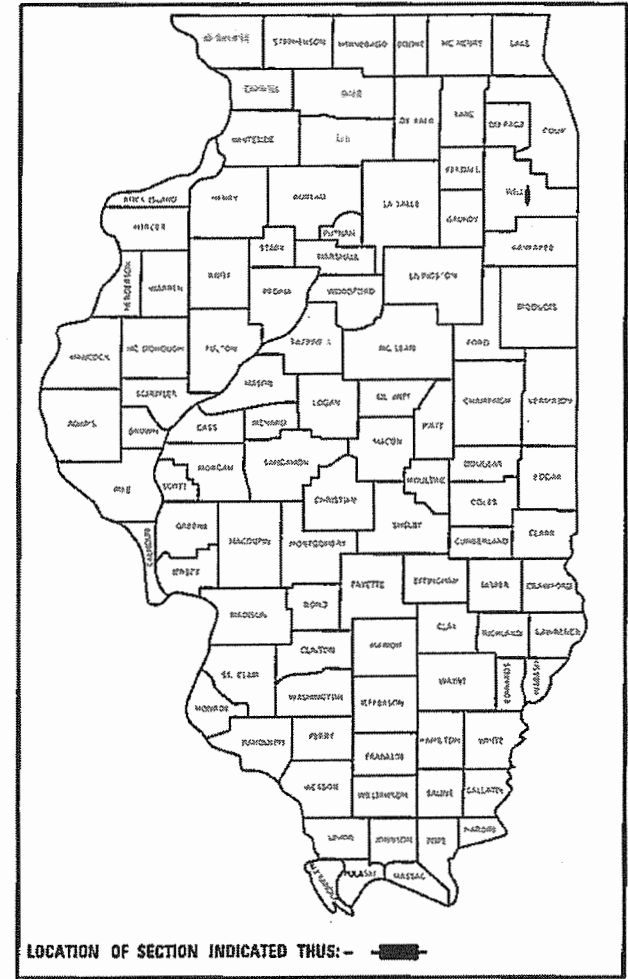
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID PROJECT
HIGHWAY BRIDGE PROGRAM**

MS ROUTE 1083 (GARNSEY AVE.) OVER SPRING CREEK
STRUCTURE REPLACEMENT
PROJECT NO. J93L(330)
SECTION NO. 11-00443-00-BR
CITY OF JOLIET
WILL COUNTY
C-91-467-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR STANDARDS, SEE SHEET NO. 2

FOR LIST OF UTILITIES, SEE SHEET NO. 2



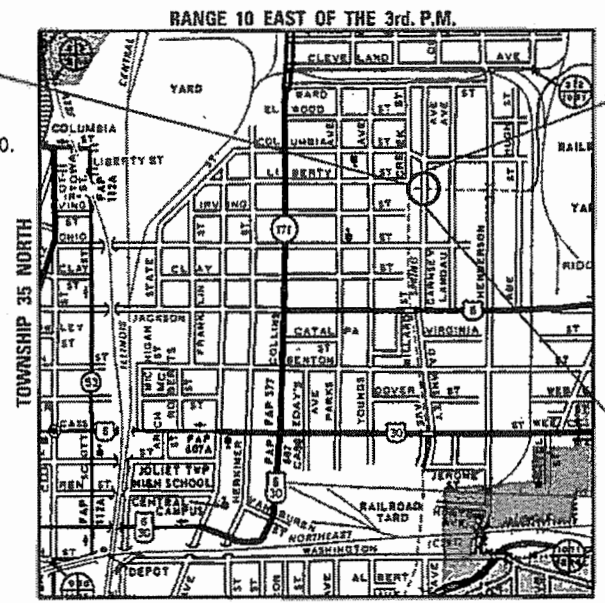
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER - MICHAEL A HIELSBERG
PROJECT MANAGER - PETER L PASCUA

CONTRACT NO. 61G53

PROPOSED STRUCTURE: S.N. 099-6480
A SINGLE SPAN (1 @ 41'-1") REINFORCED CONCRETE SLAB BRIDGE SUPPORTED ON FOOTINGS SITTING IN ROCK AT STA. 20+00. SKEWED 0°.



GARNSEY AVENUE IMPROVEMENTS ENDS STATION 21+35

GARNSEY AVENUE IMPROVEMENTS BEGINS STATION 18+35

GROSS LENGTH = 300 FT. = 0.057 MILE
NET LENGTH = 300 FT. = 0.057 MILE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	February 25, 2020 Carmen Ramos CITY OF JOLIET, DIRECTOR OF PUBLIC WORKS
PASSED	4-7-2020 C. P. Paul DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	APRIL 13, 2020 C. A. H. H. H. REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

WATER / WASTEWATER
STATE OF ILLINOIS
DANIEL B. LOOS
#062-063615
PROFESSIONAL ENGINEER
EXPIRES 11/30/21

ROADWAY
MICHAEL A. HIELSBERG
#2-048214
LICENSED PROFESSIONAL ENGINEER
EXPIRES 11/30/21

WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DUNDON, IL 61921-0567
T: 815-284-3381 DESIGN FIRM #184-000918

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SUMMARY OF QUANTITIES

		CONSTRUCTION TYPE CODE 0010					
PAY ITEM	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE	WATER & SEWER	SIPHON STRUCTURES
△	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	71	71			
△	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66	66			
	20200100 EARTH EXCAVATION	CU YD	495	495			
	20200200 ROCK EXCAVATION	CU YD	523			523	
	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	50			
	20300200 ROCK EXCAVATION IN CHANNEL	CU YD	116		116		
	20800150 TRENCH BACKFILL	CU YD	1057			1057	
	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	70	70			
	21101615 TOPSOIL FURNISH AND PLACE, 4"	SQ YD	550	550			
△	25000400 NITROGEN FERTILIZER NUTRIENT	POUND	7	7			
△	25000600 POTASSIUM FERTILIZER NUTRIENT	POUND	7	7			
△	25200110 SODDING, SALT TOLERANT	SQ YD	550	550			
△	25200200 SUPPLEMENTAL WATERING	UNIT	10	10			
	28000250 TEMPORARY EROSION CONTROL SEEDING	POUND	10	10			
	28000400 PERIMETER EROSION BARRIER	FOOT	115	115			
	28000510 INLET FILTERS	EACH	2	2			

* SPECIAL PROVISIONS
 △ SPECIALTY ITEMS

		CONSTRUCTION TYPE CODE 0010					
PAY ITEM	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE	WATER & SEWER	SIPHON STRUCTURES
*	30300001 AGGREGATE SUBGRADE IMPROVEMENT	CU YD	50	50			
*	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	673	673			
	31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	130	130			
	40700100 BITUMINOUS MATERIALS (TACK COAT)	POUND	244	244			
	40701816 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 3/4"	SQ YD	542	542			
	42300300 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	217	217			
	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1719	1719			
	44000100 PAVEMENT REMOVAL	SQ YD	728	728			
	44000500 COMBINATION CURB AND GUTTER REMOVAL	FOOT	500	500			
	44000600 SIDEWALK REMOVAL	SQ FT	2652	2652			
*	44201694 CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	16			16	
*	44201696 CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	39			39	
*	50100100 REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
	50200100 STRUCTURE EXCAVATION	CU YD	276		276		
	50200300 COFFERDAM EXCAVATION	CU YD	242				242
	50200400 ROCK EXCAVATION FOR STRUCTURES	CU YD	107		71		36

* SPECIAL PROVISIONS
 △ SPECIALTY ITEMS

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PLOT DATE =	CHECKED - IPN	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 STRUCTURE NO. 099-6480

SHEET NO. 1 OF 3 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	49	3
WHA# 1319D11			CONTRACT NO. 61G53	
ILLINOIS FED. AID PROJECT J93L(330)				

SUMMARY OF QUANTITIES

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		CONSTRUCTION TYPE CODE 0010					
PAY ITEM	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE	WATER & SEWER	SIPHON STRUCTURES
	50201101 COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1				1
	50201102 COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1				1
	50300225 CONCRETE STRUCTURES	CU YD	268.7		212.9		55.8
	50300255 CONCRETE SUPERSTRUCTURE	CU YD	307.6		307.6		
	50300260 BRIDGE DECK GROOVING	SQ YD	330		330		
*	50300280 CONCRETE ENCASEMENT	CU YD	116			116	
	50300300 PROTECTIVE COAT	SQ YD	549		549		
	50301350 CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	132.2		132.2		
	50800205 REINFORCEMENT BARS, EPOXY COATED	POUND	145,080		122,490		22,590
	51500100 NAME PLATES	EACH	1		1		
	52200020 TEMPORARY SOIL RETENTION SYSTEM	SQ FT	436		436		
Δ *	56103100 DUCTILE IRON WATER MAIN 8"	FOOT	338			338	
Δ *	56105000 WATER VALVES 8"	EACH	5			5	
Δ *	56200300 WATER SERVICE LINE 1"	FOOT	334			334	
Δ *	56400820 FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1			1	
	58600101 GRANULAR BACKFILL FOR STRUCTURES	CU YD	422		264		158

* SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

		CONSTRUCTION TYPE CODE 0010					
PAY ITEM	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE	WATER & SEWER	SIPHON STRUCTURES
	59100100 GEOCOMPOSITE WALL DRAIN	SQ YD	113		113		
	60222900 MANHOLES, TYPE A, 5'-DIAMETER	EACH	4			4	
	60255500 MANHOLES TO BE ADJUSTED	EACH	2	2			
	60266600 VALVE BOXES TO BE ADJUSTED	EACH	6	6			
	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	388	388			
	67100100 MOBILIZATION	L SUM	1	1			
*	Z0012450 CONCRETE STEPS	CU YD	0.7	0.7			
*	Z0013798 CONSTRUCTION LAYOUT	L SUM	1	1			
*	Z0046304 PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	130		130		
Δ *	Z0057700 SANITARY SEWER 30"	FOOT	51			51	
Δ	A2002516 TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4			
Δ	A2005316 TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4			
Δ	A2006816 TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	X0301852 DEWATERING STRUCTURE NO. 1	EACH	1		1		
Δ *	X0325862 CONCRETE BRIDGE RAILING	FOOT	91		91		
*	X4201410 BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)	SQ YD	62	62			

* SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 STRUCTURE NO. 099-6480**

SHEET NO. 2 OF 3 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	49	4
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

SUMMARY OF QUANTITIES

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		CONSTRUCTION TYPE CODE 0010					
PAY ITEM	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE	WATER & SEWER	SIPHON STRUCTURES
Δ *	X5610004 DUCTILE IRON WATER MAIN FITTINGS	POUND	843			843	
Δ *	X5610748 WATER MAIN LINE STOP 8"	EACH	3			3	
Δ *	X6026054 SANITARY MANHOLES TO BE REMOVED	EACH	2			2	
Δ *	X6640304 CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	58	58			
Δ *	X6640312 CHAIN LINK GATES TO BE REMOVED AND RE-ERECTED	EACH	3	3			
*	X7010216 TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
Δ *	XX003803 SANITARY SEWER SERVICE 6"	FOOT	209			209	
Δ *	XX005884 GROUT ABANDONED SEWERS	FOOT	116			116	
Δ *	XX006168 SAMPLING TAP	EACH	2			2	
Δ *	XX006247 SANITARY SEWER REMOVAL	FOOT	74			74	
Δ *	XX006800 LEAD WATER SERVICE REPLACEMENT	FOOT	228			228	
Δ *	XX007506 SANITARY SERVICE CLEANOUT	EACH	4			4	
Δ *	XX008436 VALVE VAULTS, 5'-DIAMETER	EACH	2			2	
Δ *	XX009417 CASING PIPE 16"	FOOT	82			82	
Δ *	XX009418 CASING PIPE 24"	FOOT	140			140	
Δ *	XX009419 CASING PIPE 42"	FOOT	70			70	

* SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

		CONSTRUCTION TYPE CODE 0010					
PAY ITEM	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE	WATER & SEWER	SIPHON STRUCTURES
Δ *	XX009420 INVERTED SIPHON 10"	FOOT	118			118	
Δ *	XX009421 INVERTED SIPHON 14"	FOOT	118			118	
Δ *	XX009422 INVERTED SIPHON 30"	FOOT	118			118	
Δ *	XX009423 TRACER WIRE ACCESS BOX	EACH	13			13	

* SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS



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PLOT DATE =	CHECKED - IPN	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 STRUCTURE NO. 099-6480**

SHEET NO. 3 OF 3 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	49	5
WHA# 1319D11			CONTRACT NO. 61G53	
ILLINOIS FED. AID PROJECT J93(330)				

PAVEMENT STRUCTURAL DESIGN - (GARNSEY AVENUE)

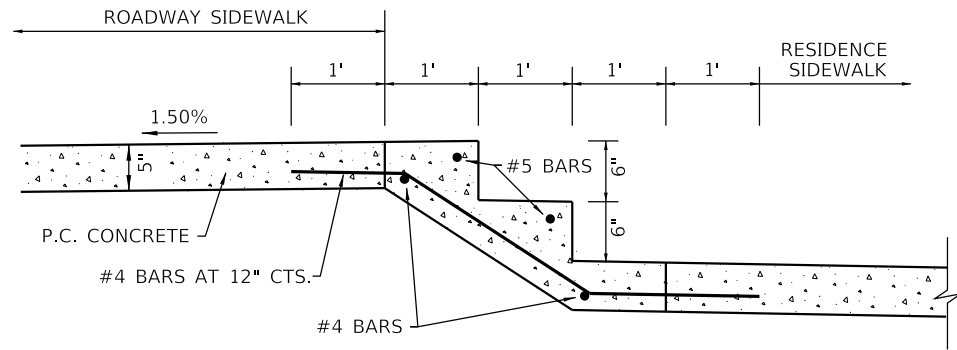
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2040	P.V. 1,320	1,500 ADT
CLASS III STREET	S.U. 105	
80,000# TRUCK DESIGN	M.U. 75	
E_{Ri} : (ASSUMED) 2 ksi		
TF = 0.40		
HMA MIX TEMP. 78° F		
HMA E_{AC} = 593 ksi		
HMA DESIGN STRAIN 189 microstrain		
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50		
4.75" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50		
12" AGGREGATE SUBGRADE IMPROVEMENT		

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 3/4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4.75" (IN 2 LIFTS)	4% @ 50 GYR.
PAVEMENT PATCHING, 4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 1 1/2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.50" (IN 1 LIFT)	4% @ 50 GYR.

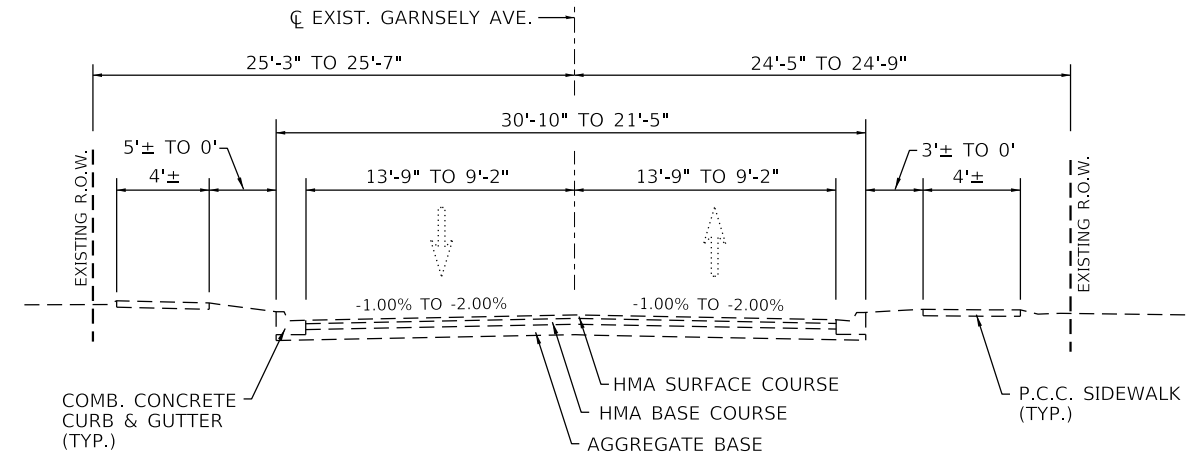
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ. YD./IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.



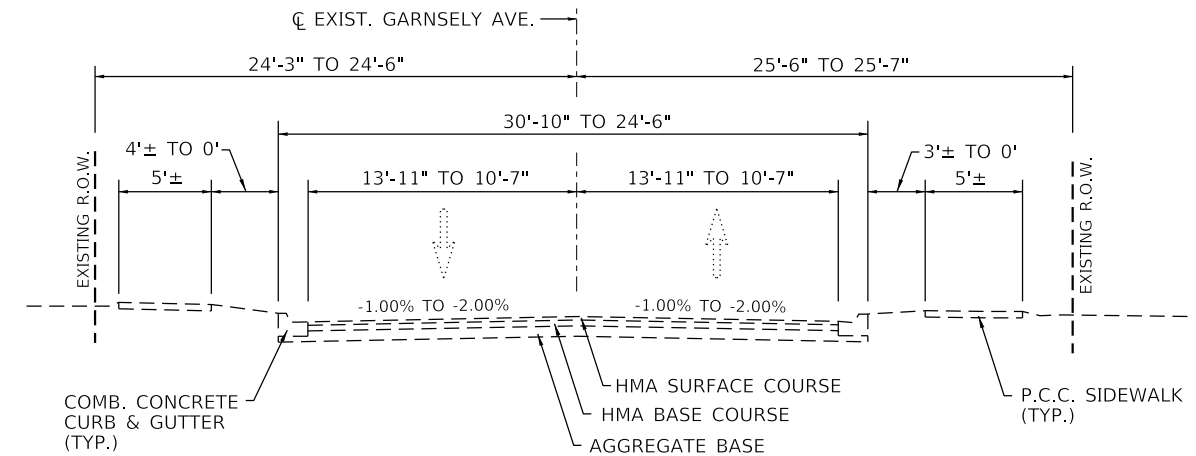
CONCRETE STEP DETAIL

RT STA. 19+60
RT STA. 20+53



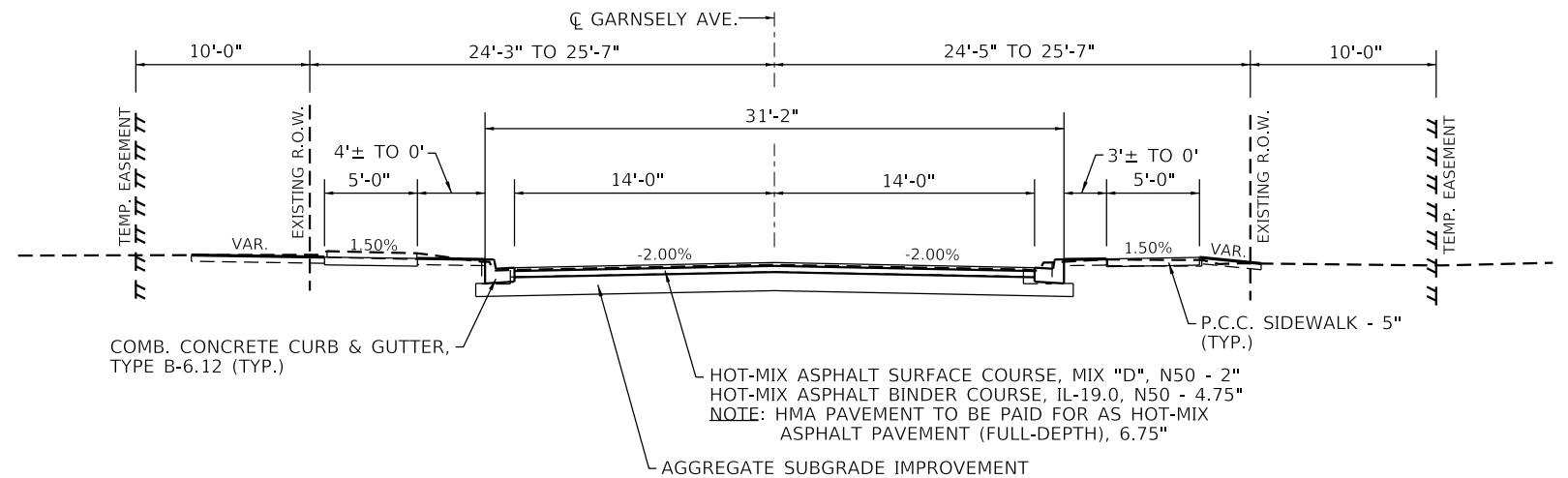
EXISTING TYPICAL SECTION - (GARNSEY AVENUE)

(LOOKING NORTH)
STA. 20+22.80 TO STA. 21+35.00



EXISTING TYPICAL SECTION - (GARNSEY AVENUE)

(LOOKING NORTH)
STA. 18+35.00 TO STA. 19+77.20



PROPOSED TYPICAL SECTION - (GARNSEY AVENUE)

(LOOKING NORTH)
STA. 18+35.00 TO STA. 19+47.20
STA. 20+52.80 TO 21+35.00

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M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	6
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				

SCHEDULE OF QUANTITIES – ROADWAY

JOLIET - GARNSEY AVE. EARTH QUANTITIES

LOCATION	EARTH EXCAVATION (SPECIAL) 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 15%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EX.)
DILLON AVENUE STA. 18+35 TO STA. 21+35	495	421	14	407
TOTALS	495	421	14	407

TOPSOIL FURNISH AND PLACE, 4"

STATION	SQ YD	REMARKS
LT 18+35 - 19+77.2	120	
RT 18+35 - 19+77.2	178	
LT 20+22.8 - 21+35	137	
RT 20+22.8 - 21+35	115	
PROJECT TOTAL	550	

21101615

PERIMETER EROSION BARRIER

STATION	FOOT	REMARKS
LT 19+59 - 19+82	33	
RT 19+62 - 19+82	32	
LT 20+18 - 20+27	21	
RT 20+19 - 20+37	29	
PROJECT TOTAL	115	

28000400

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATION	UNIT	REMARKS
RT 18+90	12	
LT 19+78	10	
LT 19+78	12	
LT 19+80	10	
LT 20+18	15	
RT 20+24	12	
PROJECT TOTAL	71	

20100110

NITROGEN FERTILIZER NUTRIENT

STATION	POUND	REMARKS
ENTIRE PROJECT	7	CALCULATION BASED ON 60 LBS/ACRE
PROJECT TOTAL	7	

25000400

INLET FILTERS

STATION	EACH	REMARKS
RT 19+62	1	
20+36	1	
PROJECT TOTAL	2	

28000510

TREE REMOVAL (OVER 15 UNITS DIAMETER)

STATION	UNIT	REMARKS
LT 18+76	18	
LT 19+14	16	
RT 20+43	16	
RT 21+30	16	
PROJECT TOTAL	66	

20100210

POTASSIUM FERTILIZER NUTRIENT

STATION	POUND	REMARKS
ENTIRE PROJECT	7	CALCULATION BASED ON 60 LBS/ACRE
PROJECT TOTAL	7	

25000600

AGGREGATE SUBGRADE IMPROVEMENT

STATION	CU YD	REMARKS
18+35 -19+44.2	25	CONTINGENCY ITEM
20+55.8 - 21+35	25	FOR UNSUITABLE SUBGRADE AREAS
PROJECT TOTAL	50	

30300001*

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

STATION	CU YD	REMARKS
ENTIRE PROJECT	50	CONTINGENCY ITEM 10% OF EARTH EXCAVATION
PROJECT TOTAL	50	

20201200

SODDING, SALT TOLERANT

STATION	SQ YD	REMARKS
LT 18+35 - 19+77.2	120	
RT 18+35 - 19+77.2	178	
LT 20+22.8 - 21+35	137	
RT 20+22.8 - 21+35	115	
PROJECT TOTAL	550	

25200110

AGGREGATE SUBGRADE IMPROVEMENT 12"

STATION	SQ YD	REMARKS
18+35 -19+44.2	390	
20+55.8 - 21+35	283	
PROJECT TOTAL	673	

30300112*

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

STATION	SQ YD	REMARKS
18+35 -19+44.2	40	CONTINGENCY ITEM - 10%± OF
20+55.8 - 21+35	30	AGGREGATE SUBGRADE IMPROVEMENT
PROJECT TOTAL	70	

21001000

SUPPLEMENTAL WATERING

STATION	UNIT	REMARKS
ENTIRE PROJECT	10	
PROJECT TOTAL	10	

25200200

SUB-BASE GRANULAR MATERIAL, TYPE B 4"

STATION	SQ YD	REMARKS
19+54.2 - 19+68.2	65	
20+31.8 - 20+45.8	65	
PROJECT TOTAL	130	

31101200

TEMPORARY EROSION CONTROL SEEDING

STATION	POUND	REMARKS
ENTIRE PROJECT	10	
PROJECT TOTAL	10	

28000250

BITUMINOUS MATERIALS (TACK COAT)

STATION	POUND	REMARKS
18+35 - 19+37.2	144	CALCULATION BASED ON 0.025 LBS/SQ FT
20+62.8 - 21+35	100	BETWEEN BINDER LIFTS AND BETWEEN BINDER AND SURFACE
PROJECT TOTAL	244	

40700100



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
STRUCTURE NO. 099-6480

SHEET NO. 1 OF 5 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	7
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				

HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6 3/4"		
STATION	SQ YD	REMARKS
18+35 - 19+37.2	318	
20+62.8 - 21+35	224	
PROJECT TOTAL	542	

40701816

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH		
STATION	SQ YD	REMARKS
LT 18+49 & 18+62	50	PE
RT 18+69	29	PE
RT 19+13	31	PE
LT 19+47	45	PE
RT 20+70	28	PE
RT 21+10	34	PE
PROJECT TOTAL	217	

42300300

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		
STATION	SQ FT	REMARKS
LT 18+35 - 18+44	44.5	
LT 18+69 - 19+34	325.0	
LT 18+70	40.5	ENTR. SIDEWALK
LT 18+84.5	40.0	ENTR. SIDEWALK
LT 19+22	50.0	ENTR. SIDEWALK
RT 18+35 - 18+61	127.5	
RT 18+77 - 19+05	140.0	
RT 18+81	20.0	ENTR. SIDEWALK
RT 19+20 - 19+47.2	135.0	
RT 19+34	27.5	ENTR. SIDEWALK
RT 19+60	26.0	ENTR. SIDEWALK
LT 20+52.8 - 21+35	421.0	
RT 20+53	15.0	ENTR. SIDEWALK
RT 20+52.8 - 20+63	56.0	
LT 21+00	62.5	ENTR. SIDEWALK
RT 20+78 - 21+01	111.5	
RT 21+19 - 21+35	77.0	
PROJECT TOTAL	1,719	

42400200

PAVEMENT REMOVAL		
STATION	SQ YD	REMARKS
18+35 - 19+77.2	408	
20+22.8 - 21+35	320	
PROJECT TOTAL	728	

44000100

COMBINATION CURB AND GUTTER REMOVAL		
STATION	FOOT	REMARKS
LT 18+35 - 19+76	142	
RT 18+35 - 19+65	130	
LT 20+21 - 21+35	114	
RT 20+21 - 21+35	114	
PROJECT TOTAL	500	

44000500

SIDEWALK REMOVAL		
STATION	SQ FT	REMARKS
LT 18+35 - 19+77.2	826	
RT 18+35 - 19+77.2	748	
LT 20+22.8 - 21+35	605	
RT 20+22.8 - 21+35	473	
PROJECT TOTAL	2,652	

44000600

MANHOLES TO BE ADJUSTED		
STATION	EACH	REMARKS
3' RT 19+62	1	
20+36	1	
PROJECT TOTAL	2	

60255500

VALVE BOXES TO BE ADJUSTED		
STATION	EACH	REMARKS
16' RT 18+95	1	
16' LT 19+65	1	
13' RT 19+70	1	
16' LT 20+83	1	
16' RT 21+06	1	
18' RT 21+25	1	
PROJECT TOTAL	6	

60266600

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12		
STATION	FOOT	REMARKS
LT 18+35 - 19+47.2	112	
RT 18+35 - 19+47.2	112	
LT 20+52.8 - 21+35	82	
RT 20+52.8 - 21+35	82	
PROJECT TOTAL	388	

60603800

CONCRETE STEPS		
STATION	CU YD	REMARKS
RT 19+60	0.4	AT SIDEWALK TO HOME - 2 STEPS
RT 20+53	0.3	AT SIDEWALK TO HOME - 2 STEPS
PROJECT TOTAL	0.7	

Z0012450*

BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)		
STATION	SQ YD	REMARKS
19+37.2 - 19+47.2	31	
20+52.8 - 20+62.8	31	
PROJECT TOTAL	62	

X4201410*

CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED		
STATION	FOOT	REMARKS
RT 19+02 - 19+08	6	
RT 19+18 - 19+33	15	
RT 19+36 - 19+58	22	
RT 19+62 - 19+77	15	
PROJECT TOTAL	58	

X6640304*

CHAIN LINK GATES TO BE REMOVED AND RE-ERECTED		
STATION	EACH	REMARKS
RT 19+08 - 19+18	1	10' ENTRANCE GATE
RT 19+33 - 19+36	1	3' MAIN GATE
RT 19+58 - 19+62	1	4' MAIN GATE
PROJECT TOTAL	3	

X6640312*



USER NAME =	DESIGNED - MAH	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
STRUCTURE NO. 099-6480

SHEET 2 OF 5 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	8
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				

SCHEDULE OF QUANTITIES – WATER AND SEWER

ROCK EXCAVATION		
STATION	CU YD	REMARKS
11' LT. STA. 19+45 - 11' LT. STA. 19+55	7	WATER MAIN
11' LT. STA. 19+65 - 11' LT. STA. 20+43	109	WATER MAIN
11' LT. STA. 20+43 - 11' LT. STA. 20+53	7	WATER MAIN
2' RT. STA. 18+95 - 2' RT. STA. 19+05	5	SANITARY SEWER
2' RT. STA. 19+05 - 12' RT. STA. 19+24	12	SANITARY SEWER
12' RT. STA. 19+24 - 12' RT. STA. 19+33	5	SANITARY SEWER
12' RT. STA. 19+45 - 12' RT. STA. 19+48	3	INVERTED SIPHON
12' RT. STA. 19+48 - 12' RT. STA. 19+67	41	INVERTED SIPHON
12' RT. STA. 19+67 - 10' RT. STA. 20+43	300	INVERTED SIPHON
10' RT. STA. 20+43 - 10' RT. STA. 20+51	17	INVERTED SIPHON
10' RT. STA. 20+51 - 10' RT. STA. 20+58	6	INVERTED SIPHON
10' RT. STA. 20+70 - 9' RT. STA. 20+80	3	SANITARY SEWER
9' RT. STA. 20+80 - 0' RT. STA. 20+95	5	SANITARY SEWER
0' RT. STA. 20+95 - 0' RT. STA. 21+05	3	SANITARY SEWER
PROJECT TOTAL	523	
20200200		

TRENCH BACKFILL		
STATION	CU YD	REMARKS
11' LT. STA. 18+35 - 11' LT. STA. 19+44	46	WATER MAIN
11' LT. STA. 18+47 - 6' LT. STA. 18+47	2	WATER MAIN
6' LT. STA. 18+35 - 6' LT. STA. 18+57	9	WATER MAIN
11' LT. STA. 19+44 - 11' LT. STA. 19+55	14	WATER MAIN
11' LT. STA. 19+55 - 11' LT. STA. 19+75	47	WATER MAIN CASING
11' LT. STA. 20+25 - 11' LT. STA. 20+43	43	WATER MAIN CASING
11' LT. STA. 20+43 - 11' LT. STA. 20+55	15	WATER MAIN
11' LT. STA. 20+55 - 11' LT. STA. 21+40	36	WATER MAIN
11' LT. STA. 21+34 - 6' LT. STA. 21+34	2	WATER MAIN
6' LT. STA. 21+34 - 6' LT. STA. 21+57	10	WATER MAIN
6' LT. STA. 21+09 - 6' LT. STA. 21+19	4	LINE STOP
11' LT. STA. 18+91	6	WATER SERVICE LINE
11' LT. STA. 18+97	15	WATER SERVICE LINE
11' LT. STA. 19+16	6	WATER SERVICE LINE
11' LT. STA. 19+31	22	WATER SERVICE LINE
11' LT. STA. 19+32	23	WATER SERVICE LINE
11' LT. STA. 19+34	12	WATER SERVICE LINE
11' LT. STA. 20+65	6	WATER SERVICE LINE
11' LT. STA. 20+66	16	WATER SERVICE LINE
11' LT. STA. 20+85	6	WATER SERVICE LINE
11' LT. STA. 21+04	14	WATER SERVICE LINE
11' LT. STA. 21+23	14	WATER SERVICE LINE
2' RT. STA. 18+95 - 2' RT. STA. 19+05	14	SANITARY SEWER
2' RT. STA. 19+05 - 12' RT. STA. 19+24	30	SANITARY SEWER
4' RT. STA. 19+10	10	SANITARY SEWER SERVICE
10' RT. STA. 19+19	13	SANITARY SEWER SERVICE
12' RT. STA. 19+24 - 12' RT. STA. 19+33	13	SANITARY SEWER
2' RT. STA. 19+05 - 27' RT. STA. 19+64	39	SANITARY SEWER SERVICE
2' RT. STA. 19+05 - 27' RT. STA. 19+57	43	SANITARY SEWER SERVICE
12' RT. STA. 19+45 - 12' RT. STA. 19+48	9	INVERTED SIPHON
12' RT. STA. 19+48 - 12' RT. STA. 19+67	89	INVERTED SIPHON
12' RT. STA. 19+67 - 12' RT. STA. 19+75	57	INVERTED SIPHON
3' RT. STA. 19+58 - 2' RT. STA. 19+75	40	SAN. MH AND SANITARY SEWER REMOVAL
10' RT. STA. 20+24 - 10' RT. STA. 20+43	135	INVERTED SIPHON
10' RT. STA. 20+43 - 10' RT. STA. 20+51	38	INVERTED SIPHON
10' RT. STA. 20+51 - 10' RT. STA. 20+58	21	INVERTED SIPHON
0' RT. STA. 20+24 - 0' RT. STA. 20+40	37	SAN. MH AND SANITARY SEWER REMOVAL
27' LT. STA. 20+66 - 9' RT. STA. 20+80	26	SANITARY SEWER SERVICE
25' RT. STA. 20+55 - 9' RT. STA. 20+80	31	SANITARY SEWER SERVICE
10' RT. STA. 20+70 - 9' RT. STA. 20+80	9	SANITARY SEWER
9' RT. STA. 20+80 - 0' RT. STA. 20+95	16	SANITARY SEWER
3' RT. STA. 20+90	10	SANITARY SEWER SERVICE
0' RT. STA. 20+95 - 0' RT. STA. 21+05	9	SANITARY SEWER
PROJECT TOTAL	1,057	
20800150		

CLASS D PATCHES, TYPE III, 4 INCH		
STATION	SQ YD	REMARKS
6' LT. STA. 18+25 - 6' LT. STA. 18+35	16	
PROJECT TOTAL	16	
44201694		

CLASS D PATCHES, TYPE IV, 4 INCH		
STATION	SQ YD	REMARKS
6' LT. STA. 21+35 - 6' LT. STA. 21+60	39	
PROJECT TOTAL	39	
44201696		

CONCRETE ENCASEMENT		
STATION	CU YD	REMARKS
11' LT. STA. 19+70 - 11' LT. STA. 20+29	15	WATER MAIN ENCASEMENT
11' RT. STA. 19+71 - 10' RT. STA. 20+29	101	INVERTED SIPHON ENCASEMENT
PROJECT TOTAL	116	
50300280		

DUCTILE IRON WATER MAIN 8"		
STATION	FOOT	REMARKS
11' LT. STA. 18+35 - 11' LT. STA. 19+44	109	
11' LT. STA. 18+47 - 6' LT. STA. 18+47	4	
6' LT. STA. 18+42 - 6' LT. STA. 18+52	10	
11' LT. STA. 19+44 - 11' LT. STA. 19+55	16	
11' LT. STA. 19+55 - 11' LT. STA. 20+43	88	
11' LT. STA. 20+43 - 11' LT. STA. 20+55	17	
11' LT. STA. 20+55 - 11' LT. STA. 21+40	85	
11' LT. STA. 21+34 - 6' LT. STA. 21+34	5	
6' LT. STA. 21+34 - 6' LT. STA. 21+38	4	
PROJECT TOTAL	338	
56103100		

WATER VALVES 8"		
STATION	EACH	REMARKS
11' LT. STA. 18+47	1	
6' LT. STA. 18+47	1	
11' LT. STA. 21+34	2	
6' LT. STA. 21+38	1	
PROJECT TOTAL	5	
56105000		

WATER SERVICE LINE 1"		
STATION	FOOT	REMARKS
11' LT. STA. 18+91	14	HOUSE #519
11' LT. STA. 18+97	37	HOUSE #520
11' LT. STA. 19+16	14	HOUSE #521
11' LT. STA. 19+31	37	HOUSE #522
11' LT. STA. 19+32	60	HOUSE #524
11' LT. STA. 19+34	30	HOUSE #523
11' LT. STA. 20+65	15	HOUSE #601
11' LT. STA. 20+66	40	HOUSE #600
11' LT. STA. 20+85	15	HOUSE #603
11' LT. STA. 21+04	36	HOUSE #602
11' LT. STA. 21+23	36	HOUSE #604
PROJECT TOTAL	334	
56200300		

FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX		
STATION	EACH	REMARKS
11' LT. STA. 21+34	1	
PROJECT TOTAL	1	
56400820		

MANHOLES, TYPE A, 5'-DIAMETER		
STATION	EACH	REMARKS
2' RT. STA. 19+05	1	MH #1
12' RT. STA. 19+24	1	MH #2
9' RT. STA. 20+80	1	MH #3
0' RT. STA. 20+95	1	MH #4
PROJECT TOTAL	4	
60222900		

SANITARY SEWER 30"		
STATION	FOOT	REMARKS
2' RT. STA. 19+05 - 12' RT. STA. 19+24	18	
12' RT. STA. 19+24 - 12' RT. STA. 19+34	9	
10' RT. STA. 20+69 - 9' RT. STA. 20+80	9	
9' RT. STA. 20+80 - 0' RT. STA. 20+95	15	
PROJECT TOTAL	51	
Z0057700		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
STRUCTURE NO. 099-6480**

SHEET 3 OF 5 SHEETS

M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 9
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

DUCTILE IRON WATER MAIN FITTINGS		
STATION	POUND	REMARKS
11' LT. STA. 18+35	25	PLUG, 8"
11' LT. STA. 18+47	90	TEE, 8"x8"
6' LT. STA. 18+47	90	TEE, 8"x8"
6' LT. STA. 18+47	25	PLUG, 8"
6' LT. STA. 18+42	49	COUPLING, 8"
6' LT. STA. 18+52	49	COUPLING, 8"
11' LT. STA. 19+44	50	1/8 BEND, 8"
11' LT. STA. 19+55	50	1/8 BEND, 8"
19' LT. STA. 19+70	25	PLUG, 8"
18' LT. STA. 20+30	25	PLUG, 8"
11' LT. STA. 20+43	50	1/8 BEND, 8"
11' LT. STA. 20+55	50	1/8 BEND, 8"
6' LT. STA. 21+31	25	PLUG, 8"
11' LT. STA. 21+34	112	CROSS, 8"x8"
11' LT. STA. 21+34	39	REDUCER, 8"x6"
6' LT. STA. 21+34	64	1/4 BEND, 8"
11' LT. STA. 21+40	25	PLUG, 8"
PROJECT TOTAL	843	

X5610004

WATER MAIN LINE STOP 8"		
STATION	EACH	REMARKS
6' LT. STA. 18+37	1	
6' LT. STA. 21+14	1	
6' LT. STA. 21+53	1	
PROJECT TOTAL	3	

X5610748

SANITARY MANHOLES TO BE REMOVED		
STATION	EACH	REMARKS
3' RT. STA. 19+62	1	SOUTH SIDE OF SPRING CREEK
0' RT. STA. 20+36	1	NORTH SIDE OF SPRING CREEK
PROJECT TOTAL	2	

X6026054

SANITARY SEWER SERVICE 6"		
STATION	FOOT	REMARKS
4' RT. STA. 19+10	7	HOUSE #521
10' RT. STA. 19+19	17	HOUSE #522
2' RT. STA. 19+05 - 27' RT. STA. 19+64	50	HOUSE #524
2' RT. STA. 19+05 - 27' LT. STA. 19+57	55	HOUSE #523
27' LT. STA. 20+66 - 9' RT. STA. 20+80	40	HOUSE #601
25' RT. STA. 20+55 - 9' RT. STA. 20+80	33	HOUSE #600
3' RT. STA. 20+90	7	HOUSE #603
PROJECT TOTAL	209	

XX003803

GROUT ABANDONED SEWERS		
STATION	FOOT	REMARKS
2' RT. STA. 19+05 - 3' RT. STA. 19+62	57	
0' RT. STA. 20+36 - 0' RT. STA. 20+95	59	
PROJECT TOTAL	116	

XX005884

SAMPLING TAP		
STATION	EACH	REMARKS
19' LT. STA. 19+70	1	SOUTH SIDE OF BRIDGE
18' LT. STA. 20+30	1	NORTH SIDE OF BRIDGE
PROJECT TOTAL	2	

XX006168

SANITARY SEWER REMOVAL		
STATION	FOOT	REMARKS
3' RT. STA. 19+62 - 0' RT. STA. 20+36	74	ACROSS SPRING CREEK
PROJECT TOTAL	74	

XX006247

LEAD WATER SERVICE REPLACEMENT		
STATION	FOOT	REMARKS
		CONTINGENCY ITEM
24' LT. STA. 18+89	24	HOUSE #519
25' RT. STA. 18+95	20	HOUSE #520
24' LT. STA. 19+14	24	HOUSE #521
25' RT. STA. 19+33	19	HOUSE #522
24' LT. STA. 19+63	24	HOUSE #523
25' RT. STA. 19+70	19	HOUSE #524
25' RT. STA. 20+50	21	HOUSE #600
24' LT. STA. 20+58	20	HOUSE #601
24' LT. STA. 20+83	20	HOUSE #603
25' RT. STA. 21+06	22	HOUSE #602
25' RT. STA. 21+25	15	HOUSE #604
PROJECT TOTAL	228	

XX006800

SANITARY SERVICE CLEANOUT		
STATION	EACH	REMARKS
27' LT. STA. 19+57	1	HOUSE #523
27' RT. STA. 19+64	1	HOUSE #524
25' RT. STA. 20+55	1	HOUSE #600
27' LT. STA. 20+66	1	HOUSE #601
PROJECT TOTAL	4	

XX007506

VALVE VAULTS, 5'-DIAMETER		
STATION	EACH	REMARKS
11' LT. STA. 19+38	1	
11' LT. STA. 20+61	1	
PROJECT TOTAL	2	

XX008436

CASING PIPE 16"		
STATION	FOOT	REMARKS
11' LT. STA. 19+59 - 11' LT. STA. 20+41	82	
PROJECT TOTAL	82	

CASING PIPE 24"		
STATION	FOOT	REMARKS
9' RT. STA. 19+70 - 9' RT. STA. 20+40	70	
12' RT. STA. 19+70 - 12' RT. STA. 20+40	70	
PROJECT TOTAL	140	

CASING PIPE 42"		
STATION	FOOT	REMARKS
15' RT. STA. 19+70 - 15' RT. STA. 20+40	70	
PROJECT TOTAL	70	

INVERTED SIPHON 10"		
STATION	FOOT	REMARKS
12' RT. STA. 19+44 - 12' RT. STA. 19+48	4	
12' RT. STA. 19+48 - 12' RT. STA. 19+67	19	
12' RT. STA. 19+67 - 10' RT. STA. 20+43	76	
10' RT. STA. 20+43 - 10' RT. STA. 20+51	11	
10' RT. STA. 20+51 - 10' RT. STA. 20+59	8	
PROJECT TOTAL	118	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
STRUCTURE NO. 099-6480

SHEET 4 OF 5 SHEETS

M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 10
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

INVERTED SIPHON 14"		
STATION	FOOT	REMARKS
9' RT. STA. 19+44 - 9' RT. STA. 19+47	3	
9' RT. STA. 19+47 - 9' RT. STA. 19+67	20	
9' RT. STA. 19+67 - 7' RT. STA. 20+43	76	
7' RT. STA. 20+43 - 7' RT. STA. 20+51	11	
7' RT. STA. 20+51 - 7' RT. STA. 20+59	8	
PROJECT TOTAL	118	

INVERTED SIPHON 30"		
STATION	FOOT	REMARKS
16' RT. STA. 19+44 - 16' RT. STA. 19+46	2	
16' RT. STA. 19+46 - 15' RT. STA. 19+67	21	
15' RT. STA. 19+67 - 14' RT. STA. 20+43	76	
14' RT. STA. 20+43 - 14' RT. STA. 20+51	11	
14' RT. STA. 20+51 - 14' RT. STA. 20+59	8	
PROJECT TOTAL	118	

TRACER WIRE ACCESS BOX		
STATION	EACH	REMARKS
11' LT. STA. 18+35	1	
11' LT. STA. 21+34	1	
11' LT. STA. 18+91	1	HOUSE #519
11' LT. STA. 18+97	1	HOUSE #520
11' LT. STA. 19+16	1	HOUSE #521
11' LT. STA. 19+31	1	HOUSE #522
11' LT. STA. 19+32	1	HOUSE #524
11' LT. STA. 19+34	1	HOUSE #523
11' LT. STA. 20+65	1	HOUSE #601
11' LT. STA. 20+66	1	HOUSE #600
11' LT. STA. 20+85	1	HOUSE #603
11' LT. STA. 21+04	1	HOUSE #602
11' LT. STA. 21+23	1	HOUSE #604
PROJECT TOTAL	13	



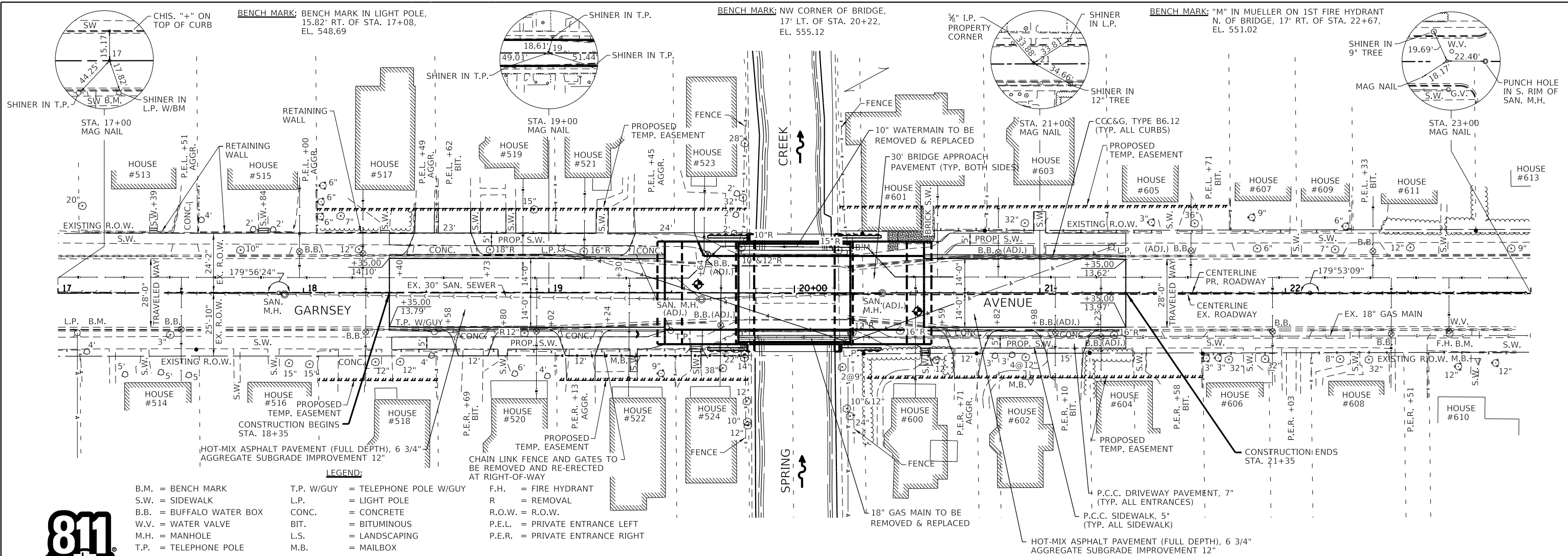
USER NAME =	DESIGNED - DBL	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

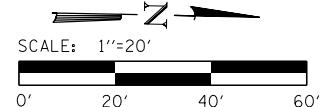
**SCHEDULE OF QUANTITIES
STRUCTURE NO. 099-6480**

SHEET 5 OF 5 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	11
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				

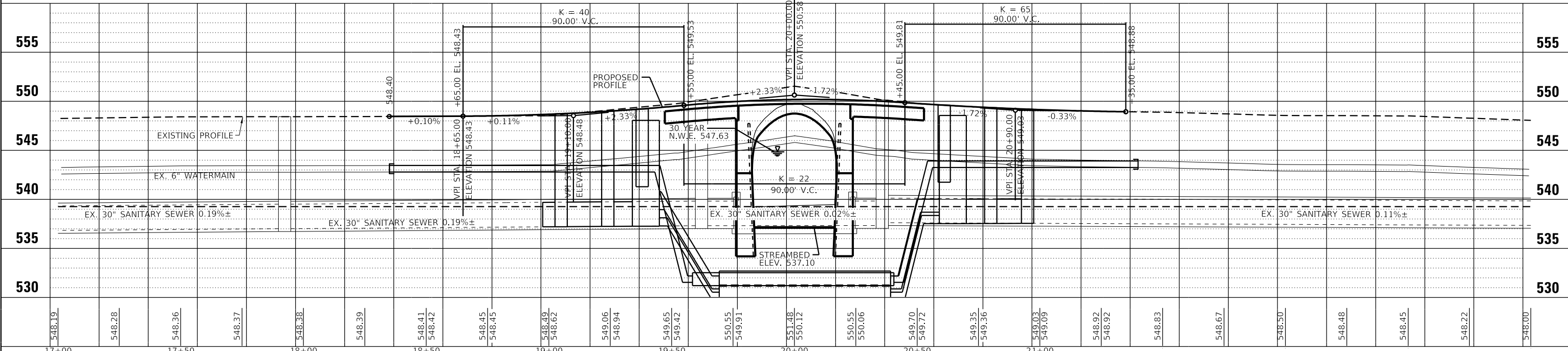


Know what's below.
Call before you dig.



EXISTING STRUCTURE: S.N. 099-6460
A SINGLE SPAN (1 @ 41'-3") REINFORCED CONCRETE FILLED SPANDREL ARCH BRIDGE SUPPORTED ON FOOTINGS SITTING IN ROCK AT STA. 20+00. 45'-7" END TO END OF PARAPET AND 34'-8" OUT TO OUT OF DECK. THE EXISTING STRUCTURE IS TO BE REMOVED AND REPLACED. SKEWED 0°. NO SALVAGE.

PROPOSED STRUCTURE: S.N. 099-6480
A SINGLE SPAN (1 @ 41'-1") REINFORCED CONCRETE FILLED SPANDREL ARCH BRIDGE SUPPORTED ON FOOTINGS SITTING IN ROCK. 47'-7" BACK TO BACK OF ABUTMENTS AND 41'-10" OUT TO OUT OF DECK. SKEWED 0°.



WILETT HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN NUMBER: #184-000918

USER NAME =	DESIGNED - MAH	REVISED -
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PLOT SCALE =	DRAWN - GFS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

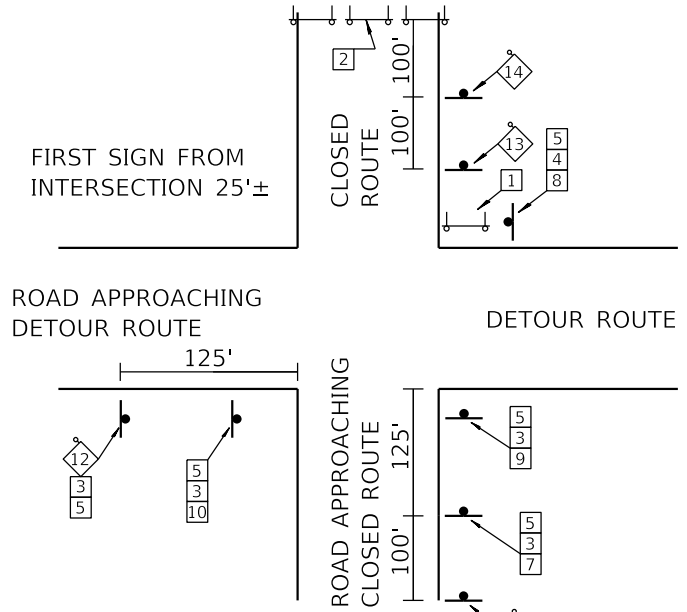
**PLAN & PROFILE
STRUCTURE NO. 099-6480**

STA. 18+35 TO 21+35

M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 12
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

TYPICAL DETOUR & ROAD CLOSURE

SIGN SPACING



LEGEND

- DETOUR ROUTE
- ROAD CLOSURE COMPLETELY CLOSED PORTION
- 48" X 48" CONSTRUCTION SIGN WITH AMBER FLASHING LIGHT NUMBER DENOTES SIGN TYPE
- TYPE III BARRICADE W/ FLASHING LIGHTS
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE

SIGN LEGEND

- 1 R11-4, 60" X 30"
- 2 R11-2, 48" X 30"
- 3 M3-1(0), 24" X 12"
- 4 M3-3(0), 24" X 12"
- 5 Special, 30" X 18" See Sign Design in Special Provisions
- 6 M4-9(0), 30" X 24"
- 7 M4-9(0), 30" X 24"
- 8 M4-9(0), 30" X 24"
- 9 M4-9(0), 30" X 24"
- 10 M4-9(0), 30" X 24"
- 11 M4-8a, 24" X 18"
- 12 W20-2, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
- 13 W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
- 14 W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.

DETOUR GENERAL NOTES

TOTAL LENGTH OF THE DETOUR IS 0.30 MILES.

CHANGEABLE MESSAGE SIGNS WILL NOT BE REQUIRED FOR THIS PROJECT.

THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS ARE APPLICABLE FOR THIS WORK: STANDARD 701301, 701501, AND 701901.

ALL DETOUR SIGNS, SHALL BE COMPLETELY COVERED AT ALL TIMES THE ROADWAY IS NOT CLOSED TO TRAFFIC

LONGITUDINAL DIMENSIONS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.

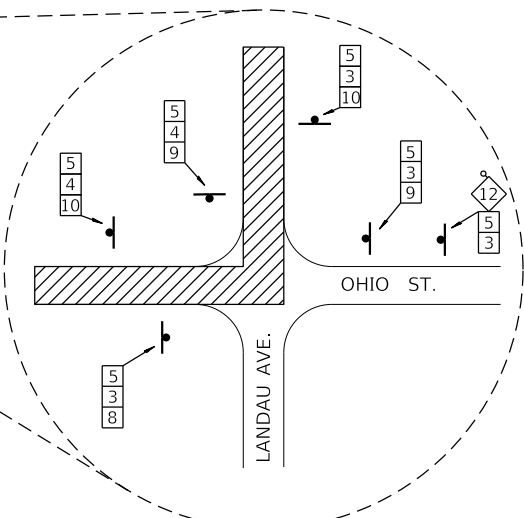
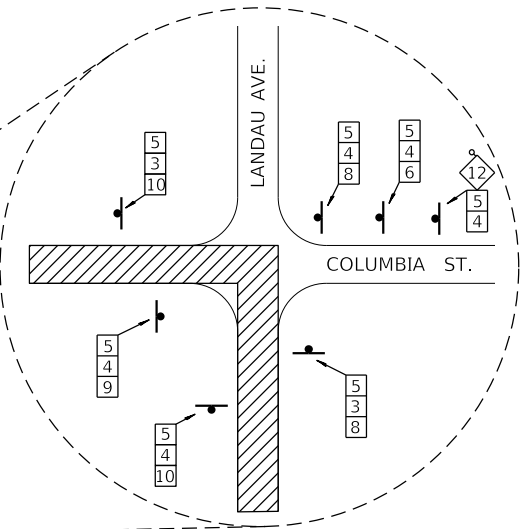
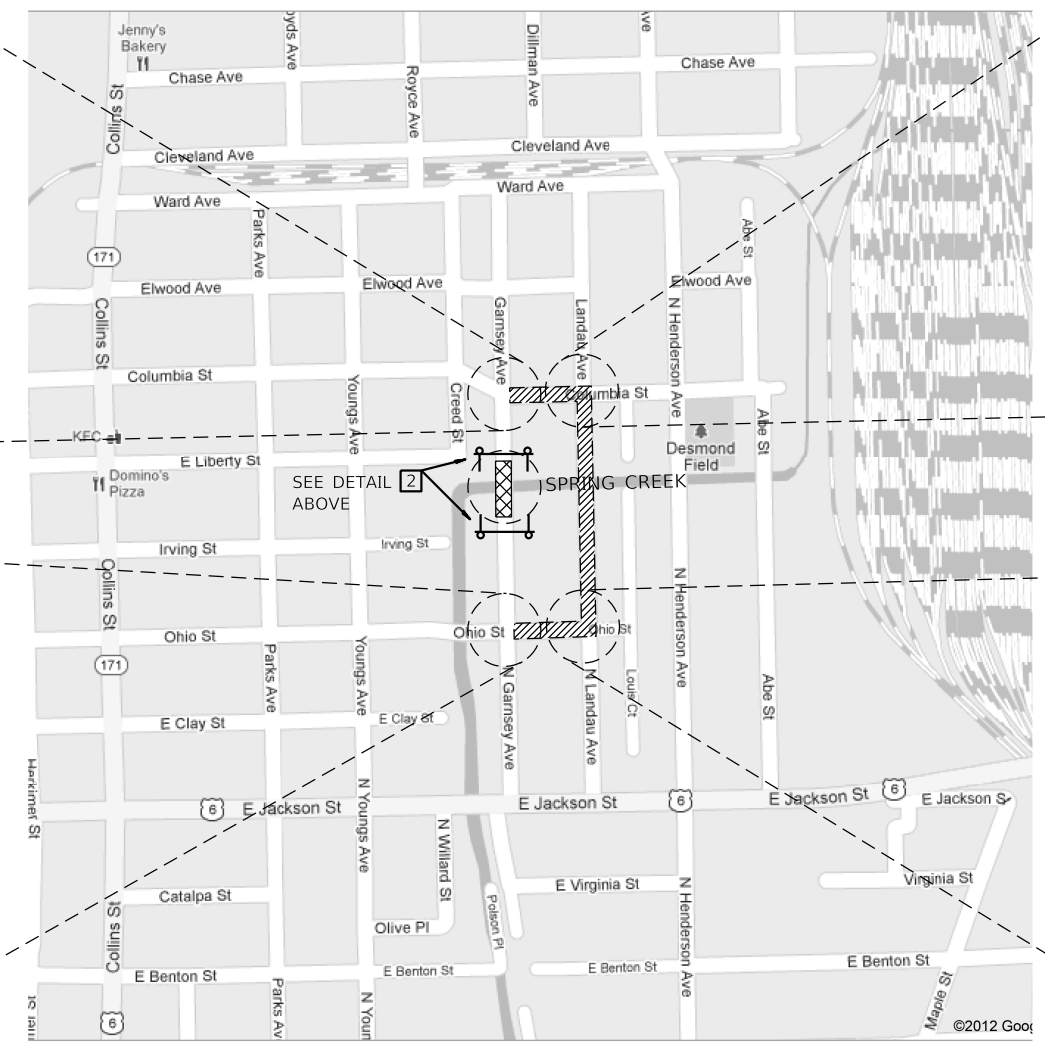
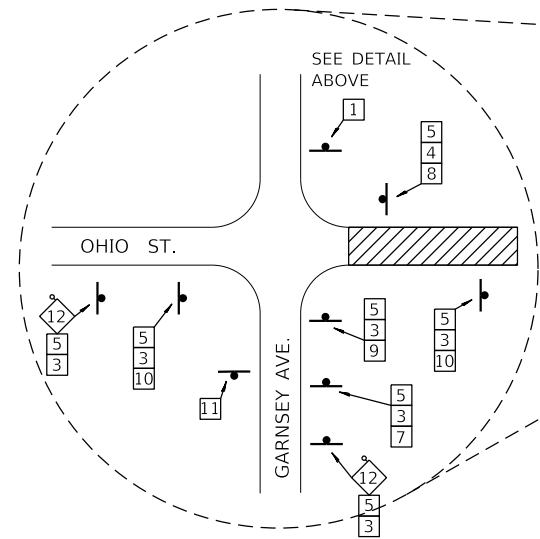
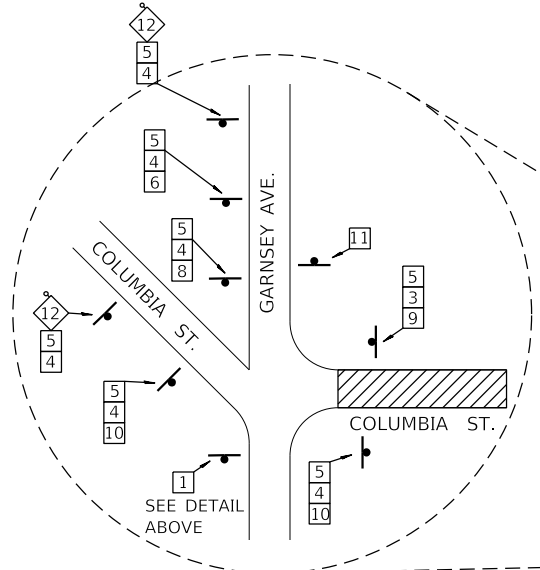
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM/HER ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, BRUSHING BACK VEGETATION IF DEEMED BY THE ENGINEER.

ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTIONS ADOPTED JAN. 1, 2012", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES, LATEST EDITION", THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.

THE CONTRACTOR SHALL SCHEDULE ALL WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.



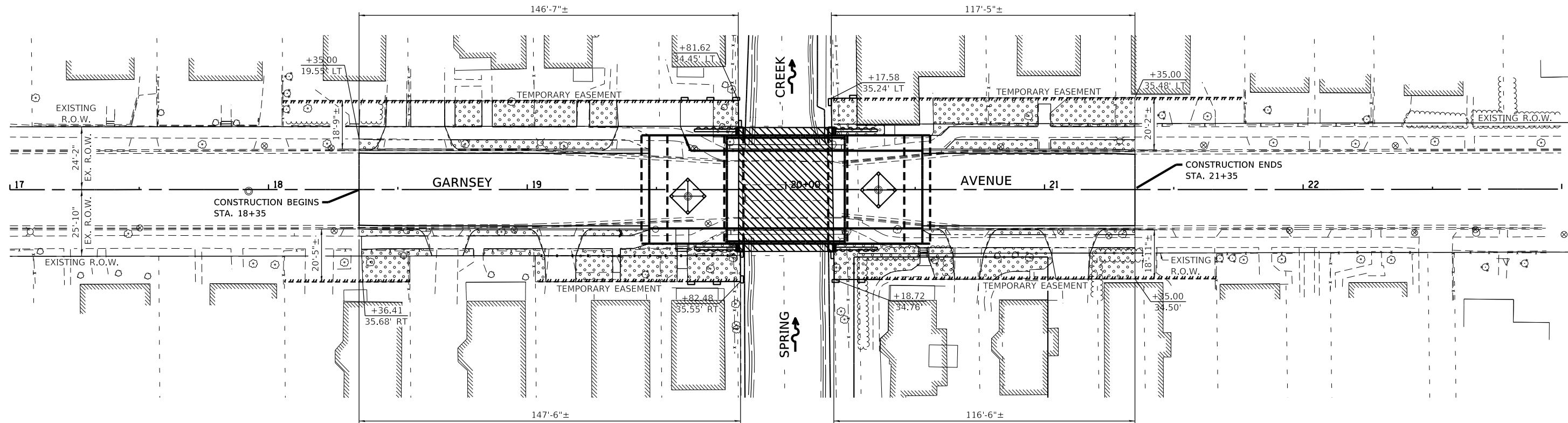
WILETT HOFMANN & ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

USER NAME =	DESIGNED - MAH	REVISED -
PLOT SCALE =	CHECKED - MAH	REVISED -
PLOT DATE =	DRAWN - GFS	REVISED -
	CHECKED - GFS	REVISED -

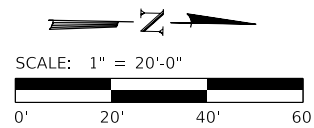
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GARNSEY AVE. ROAD CLOSURE & DETOUR PLAN
STRUCTURE NO. 099-6480

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	13
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



Know what's below.
Call before you dig.



LEGEND - IMPACTS:

- WATERS OF US (STREAM ONLY) BOUNDARY
- WATERS OF US (STREAM ONLY) IMPACTED

AREA OF TEMPORARY/PERMANENT WOUS IMPACT (STREAM) = 0.04 ACRES
 AREA OF TEMPORARY/PERMANENT WOUS IMPACT (FRINGE WETLAND) = 0.00 ACRES
 TOTAL PERMANENT WOUS IMPACT = 0.04 ACRES

LEGEND - EROSION CONTROL:

- PERIMETER EROSION BARRIER
- SODDING, SALT TOLERANT
- INLET FILTERS

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
NITROGEN FERTILIZER NUTRIENT	POUND	10
POTASSIUM FERTILIZER NUTRIENT	POUND	10
SODDING, SALT TOLERANT	SQ. YD.	550
SUPPLEMENTAL WATERING	UNIT	10
TEMPORARY EROSION CONTROL SEEDING	POUND	10
PERIMETER EROSION BARRIER	FOOT	115
INLET FILTERS	EACH	2



USER NAME =	DESIGNED - PV	REVISED -
	CHECKED - PLP	REVISED -
PLOT SCALE =	DRAWN - RDA	REVISED -
PLOT DATE =	CHECKED - MAH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLAN
STRUCTURE NO. 099-6480

SCALE: 1" = 20'-0" SHEET NO. 1 OF 2 SHEETS STA. 17+00.00 TO STA. 23+00.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	14
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280. TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION
DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF A STRUCTURE REPLACEMENT AND RELOCATION OF MS 1083 (GARNSEY AVENUE) OVER SPRING CREEK, APPROACH ROADWAY WORK THERETO.
2. CONSTRUCTION INCLUDES EARTH EXCAVATION, ROCK EXCAVATION, STRUCTURE EXCAVATION, CONCRETE CURB AND GUTTER PAVEMENT ITEMS, BRIDGE ITEMS, AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. INSTALL PERIMETER EROSION BARRIER AS DIRECTED BY THE ENGINEER.
2. REMOVAL OF EXISTING STRUCTURE.
3. ROCK EXCAVATION IN CHANNEL TO LOWER STREAMBED.
4. ROCK EXCAVATION FOR STRUCTURES AND CONSTRUCT PROPOSED STRUCTURE.
5. STRUCTURE EXCAVATION, EARTH EXCAVATION, FOLLOWED BY OTHER ROADWAY WORK.
6. HMA SURFACE, PCC SIDEWALK, AND RELATED APPURTENANCES.
7. PLACEMENT OF PERMANENT EROSION CONTROL INCLUDING SODDING.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 0.45 ACRES OF WHICH 0.45 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION ON THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

SPRING CREEK AND HICKORY CREEK

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL
DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SODDING, PERIMETER EROSION BARRIER, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (A) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (B) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (C) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

- (D) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.
 - (E) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVER SEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (A) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (B) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.
 - (C) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 - I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - II. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - III. RECONSTRUCT ROADWAY, CURB AND GUTTER, AND SIDEWALK.
 - IV. PLACE PERMANENT EROSION CONTROL ITEMS.
 - (D) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SODDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
 - (E) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (F) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF ½" OR GREATER OR EQUIVALENT SNOWFALL DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (G) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
 - (H) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SODDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDDED.

MISCELLANEOUS:

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

EROSION CONTROL NOTES:

TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS. /ACRES.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.

ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL.

THE USE OF ASPHALT AS A BINDER IS NOT ACCEPTABLE.

ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

SILT FENCE SHALL BE PLACED AROUND ANY TEMPORARY EARTH STOCKPILES.

SEE SPECIAL PROVISIONS FOR SODDING, SALT TOLERANT.

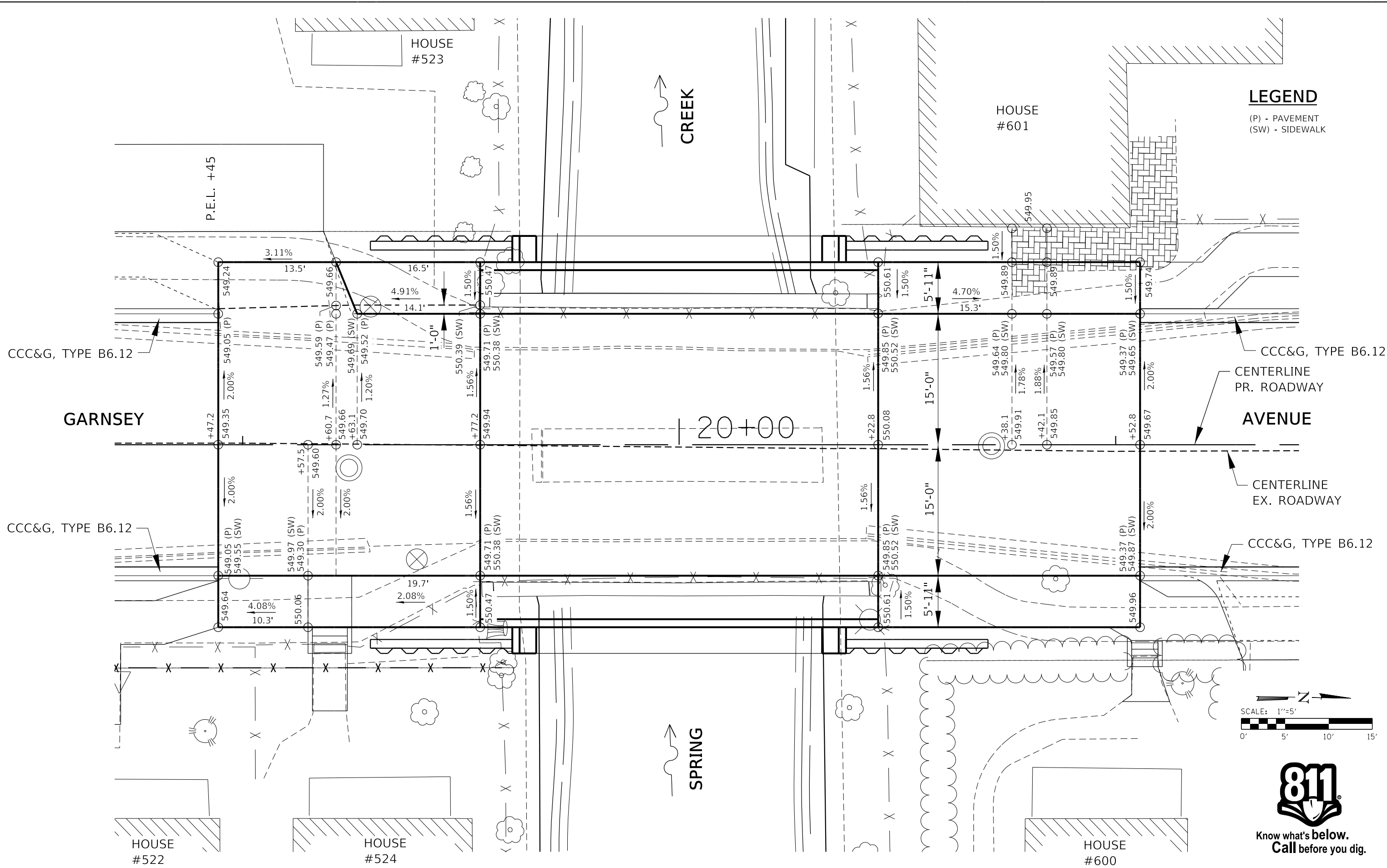


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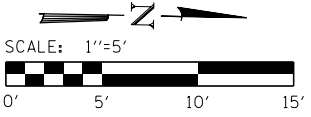
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL EROSION AND SEDIMENT CONTROL PLAN	
STRUCTURE NO. 099-6480	
SCALE: 1" = 20'-0"	SHEET NO. 2 OF 2 SHEETS
STA. 17+00.00 TO STA. 23+00.00	

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	15
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				



LEGEND
 (P) - PAVEMENT
 (SW) - SIDEWALK



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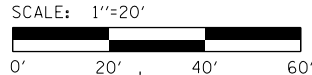
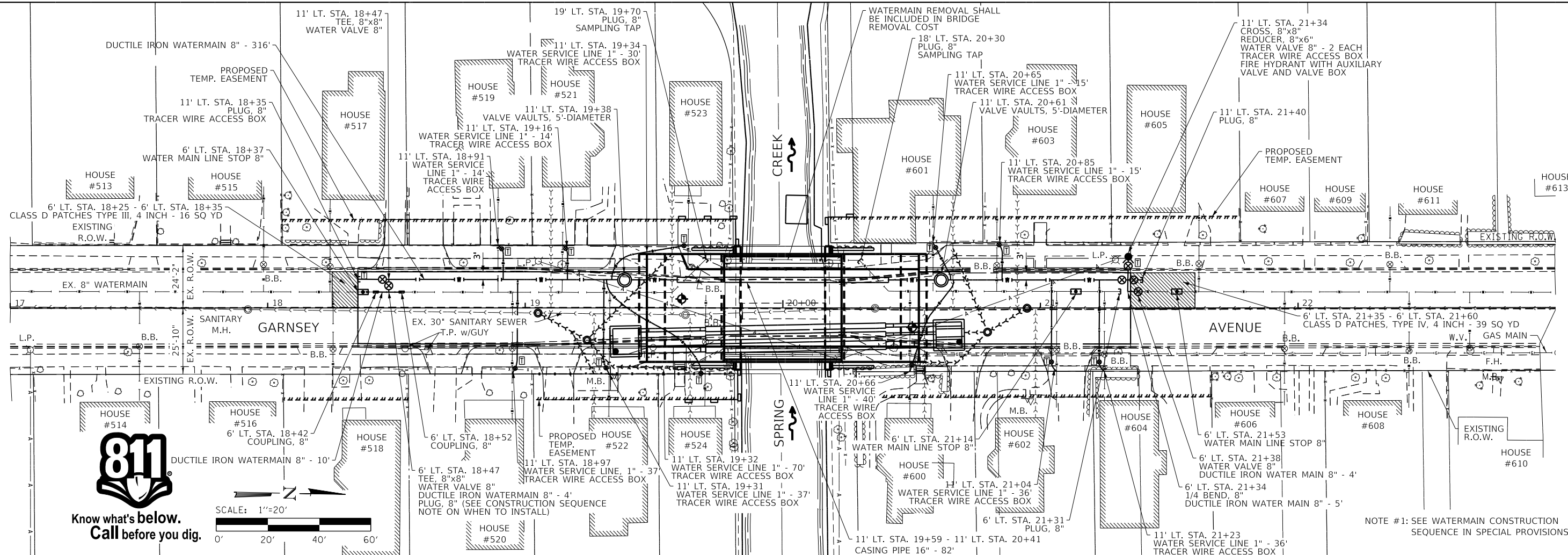
WILETT HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
 T: 815-284-3381 DESIGN FIRM: #184-000918

USER NAME =	DESIGNED - MAH	REVISED -
	CHECKED - MAH	REVISED -
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PLOT DATE =	CHECKED - GFS	REVISED -

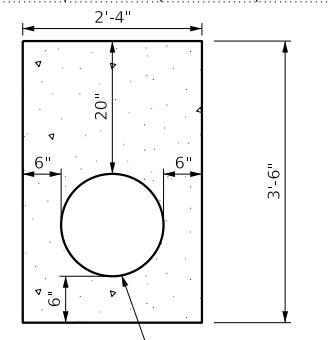
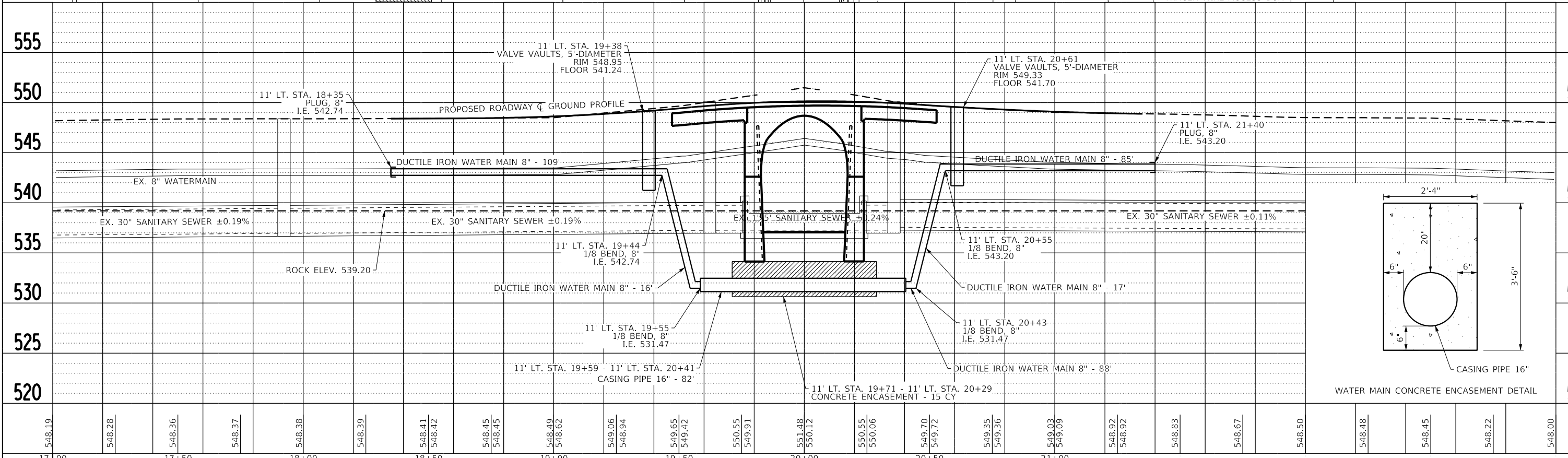
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB ELEVATIONS & GRADES
 STRUCTURE NO. 099-6480**

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	16
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



NOTE #1: SEE WATERMAIN CONSTRUCTION SEQUENCE IN SPECIAL PROVISIONS



548.19	548.28	548.36	548.37	548.38	548.39	548.41 548.42	548.45 548.45	548.49 548.62	549.06 548.94	549.65 549.42	550.55 549.91	551.48 550.12	550.55 550.06	549.70 549.72	549.35 549.36	549.03 549.09	548.92	548.83	548.67	548.50	548.48	548.45	548.22	548.00
17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00																

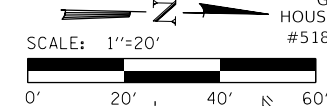
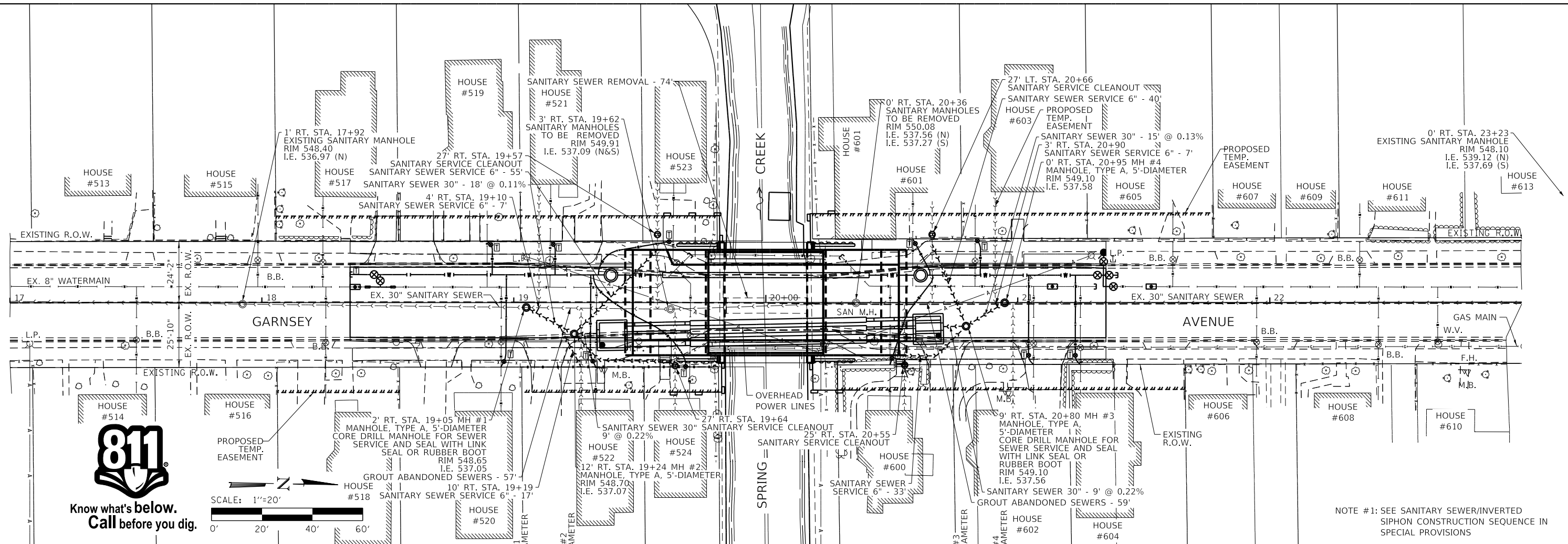
WILETT HOFMANN & ASSOCIATES INC.
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809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

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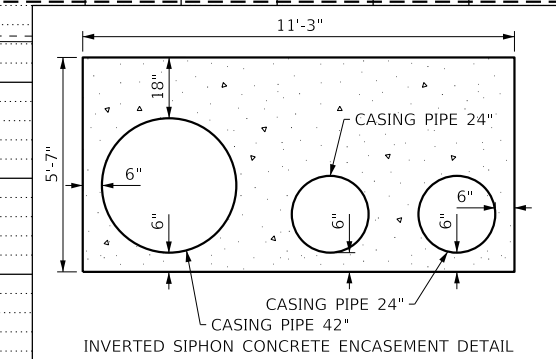
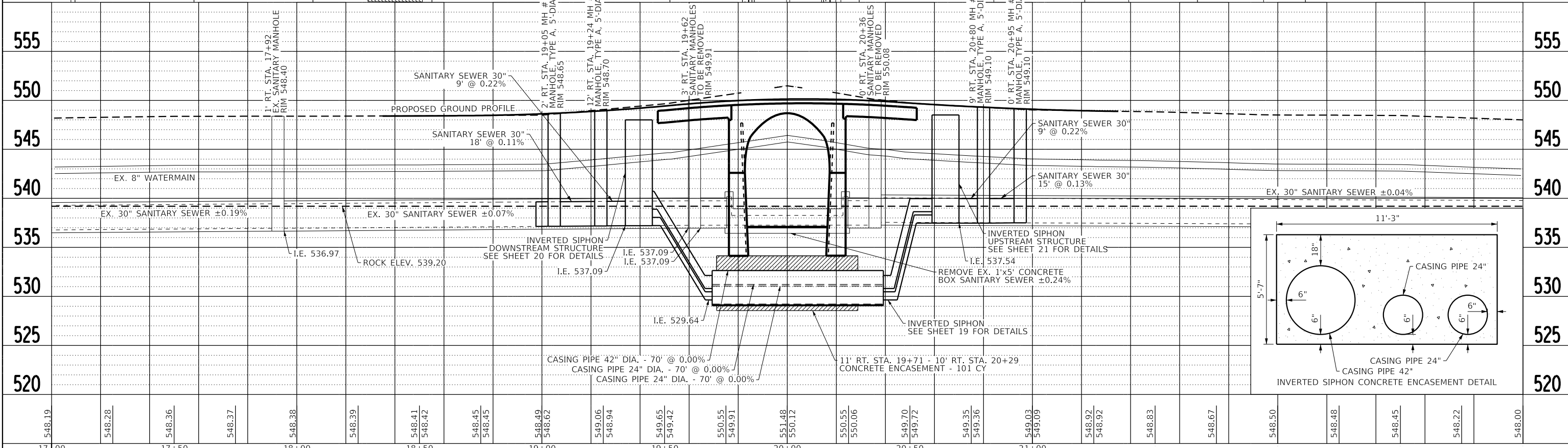
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN
PLAN AND PROFILE

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	17
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



NOTE #1: SEE SANITARY SEWER/INVERTED SIPHON CONSTRUCTION SEQUENCE IN SPECIAL PROVISIONS



548.19	548.28	548.36	548.37	548.38	548.39	548.41 548.42	548.45 548.45	548.49 548.62	549.06 548.94	549.65 549.42	550.55 549.91	551.48 550.12	550.55 550.06	549.70 549.72	549.35 549.36	549.03 549.09	548.92 548.92	548.83	548.67	548.50	548.48	548.45	548.22	548.00
17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00																

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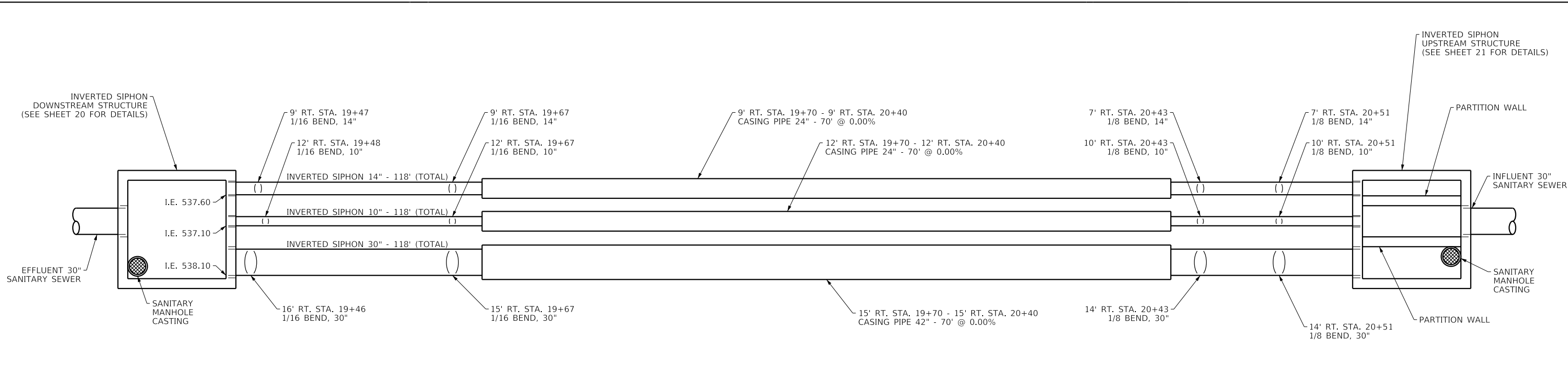
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CHECKED - GMH	REVISOR -	
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PLOT DATE =	CHECKED - DBL	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SANITARY SEWER AND INVERTED SIPHON

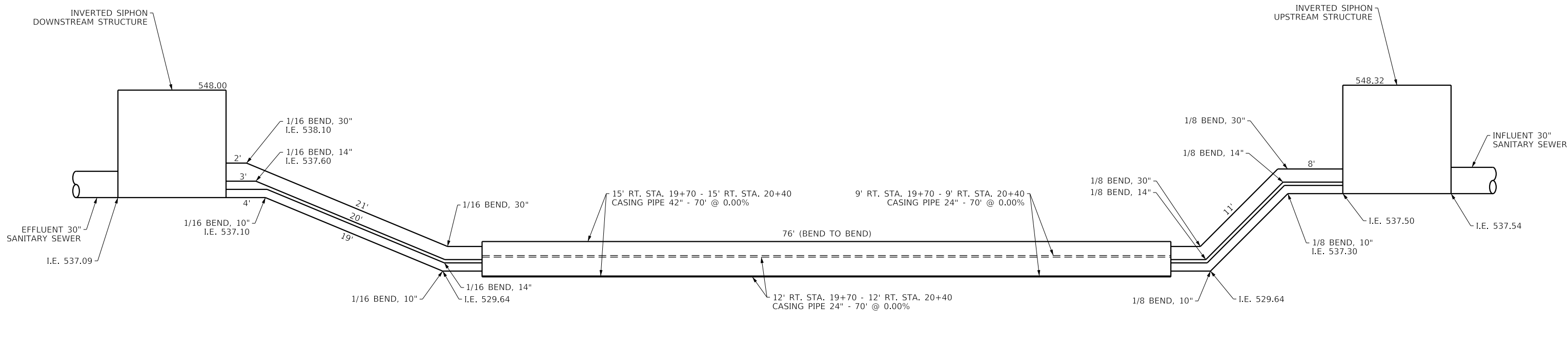
PLAN AND PROFILE

M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 18
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



NOTE: ALL FITTINGS REQUIRED FOR THE INVERTED SIPHON LINES SHALL BE INCLUDED IN THE COST OF THE INVERTED SIPHON PAY ITEMS.

1
19
INVERTED SIPHON DETAILS - PLAN VIEW
SCALE
0' 5' 10' 15'
PROJECT NORTH



2
19
INVERTED SIPHON DETAILS - SECTION VIEW
SCALE
0' 5' 10' 15'
PROJECT NORTH



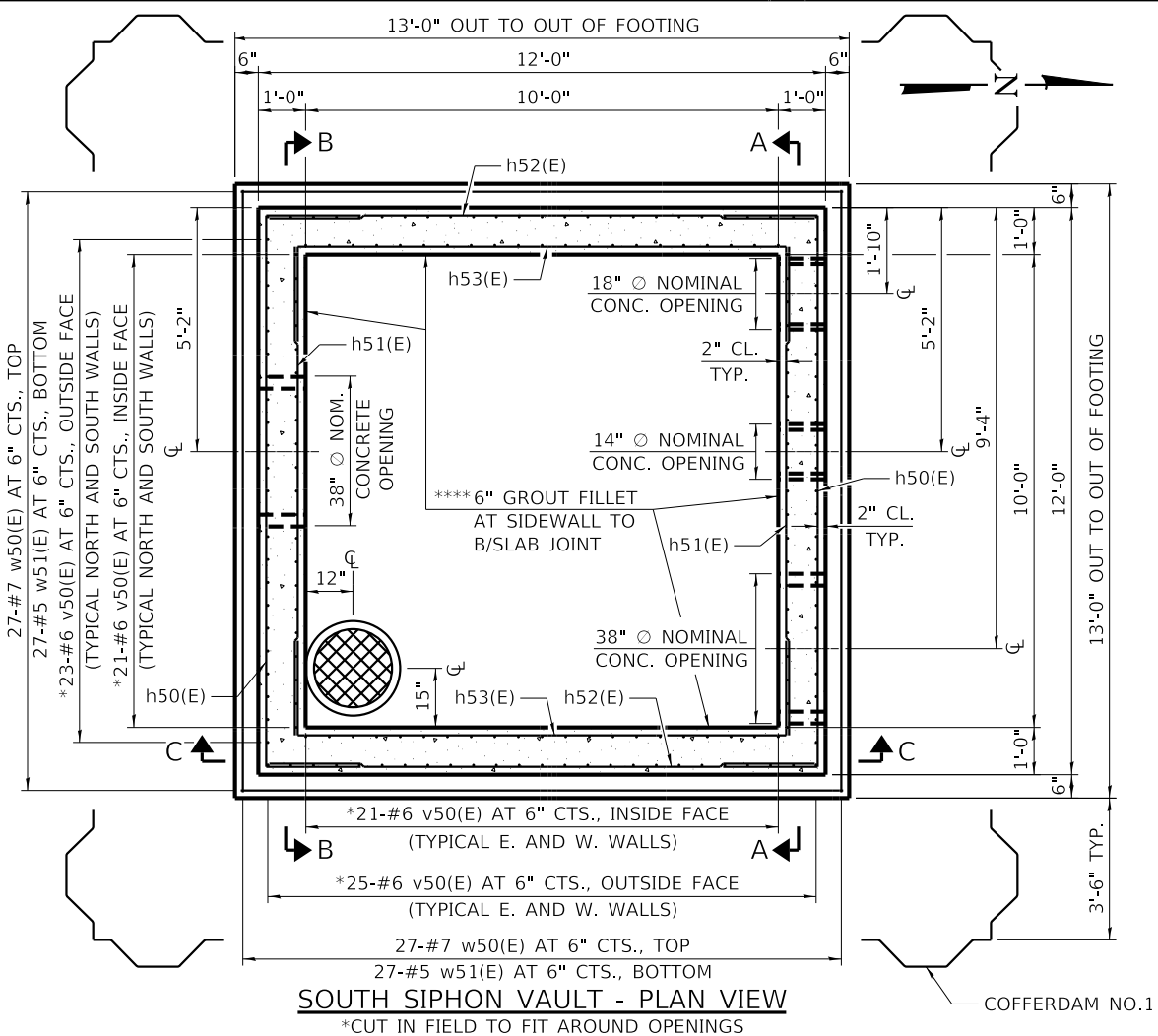
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	CHECKED - MCH	REVISED -
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PLOT DATE =	CHECKED - DBL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER AND INVERTED SIPHON

INVERTED SIPHON DETAILS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	19
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



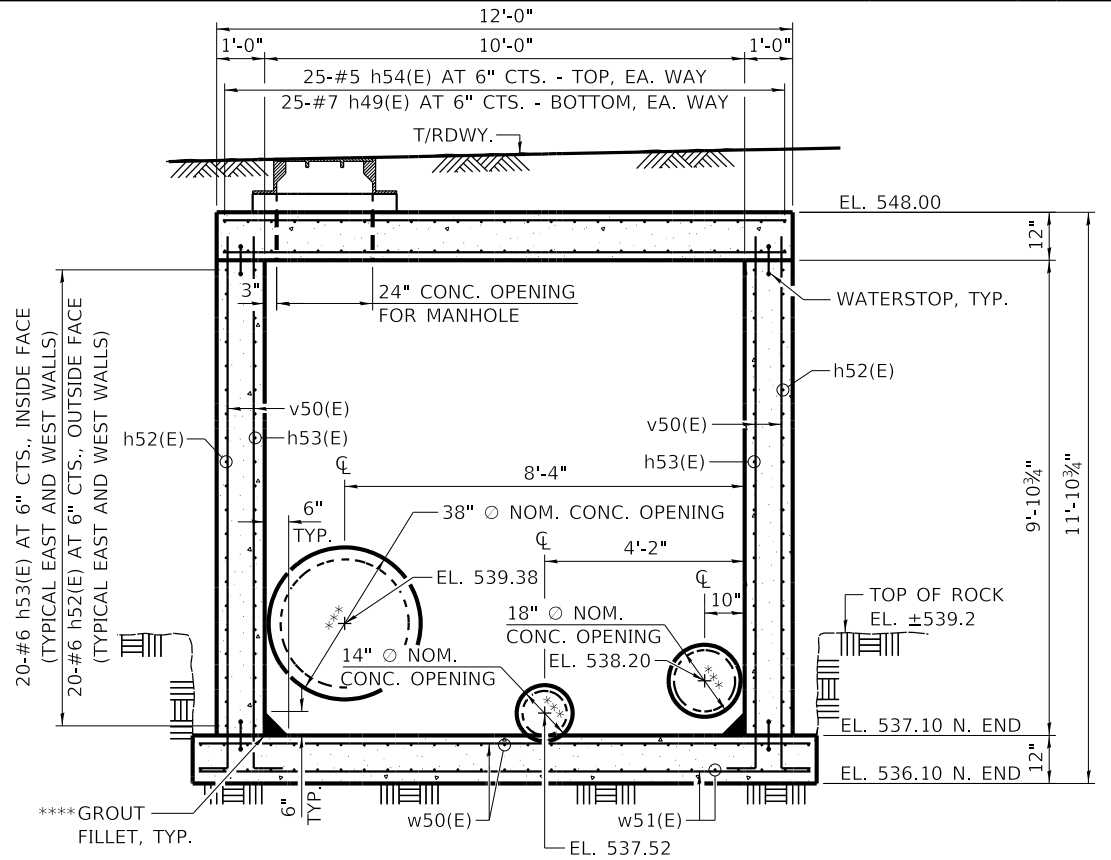
DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ PSI (SUBSTRUCTURE)
 $f_y = 60,000$ PSI (REINFORCEMENT)

***OPENING FOR SANITARY SEWER LINE. SEE SHEETS 17-24 OF 49.

DESIGN SPECIFICATIONS
 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION

LOADING HL-93
 ALLOW 50#/SQ. FT. FOR FUTURE WEARING SURFACE.

SECTION A-A
 (NORTH WALL ELEVATION VIEW)

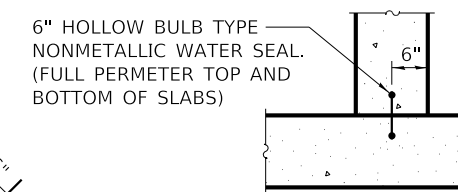


FRAME SHALL BE EAST JORDAN 1050Z1. CASTING SHALL BE SOLID WITH CONCEALED PICK HOLES AND SHALL HAVE "SANITARY" AND "CITY OF JOLIET" CAST INTO LID. INTERNAL CHIMNEY SEAL SHALL BE INFI-SHIELD UNI-BAND. COST INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STRUCTURES.

BILL OF MATERIAL

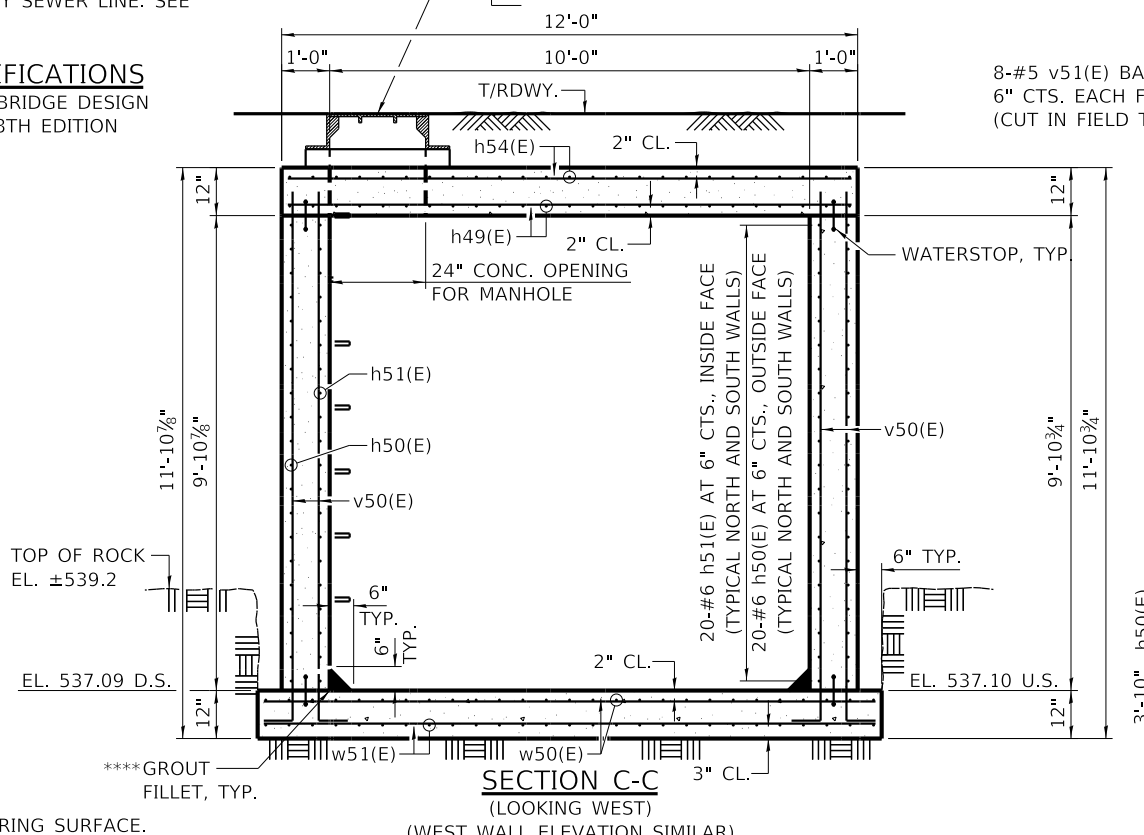
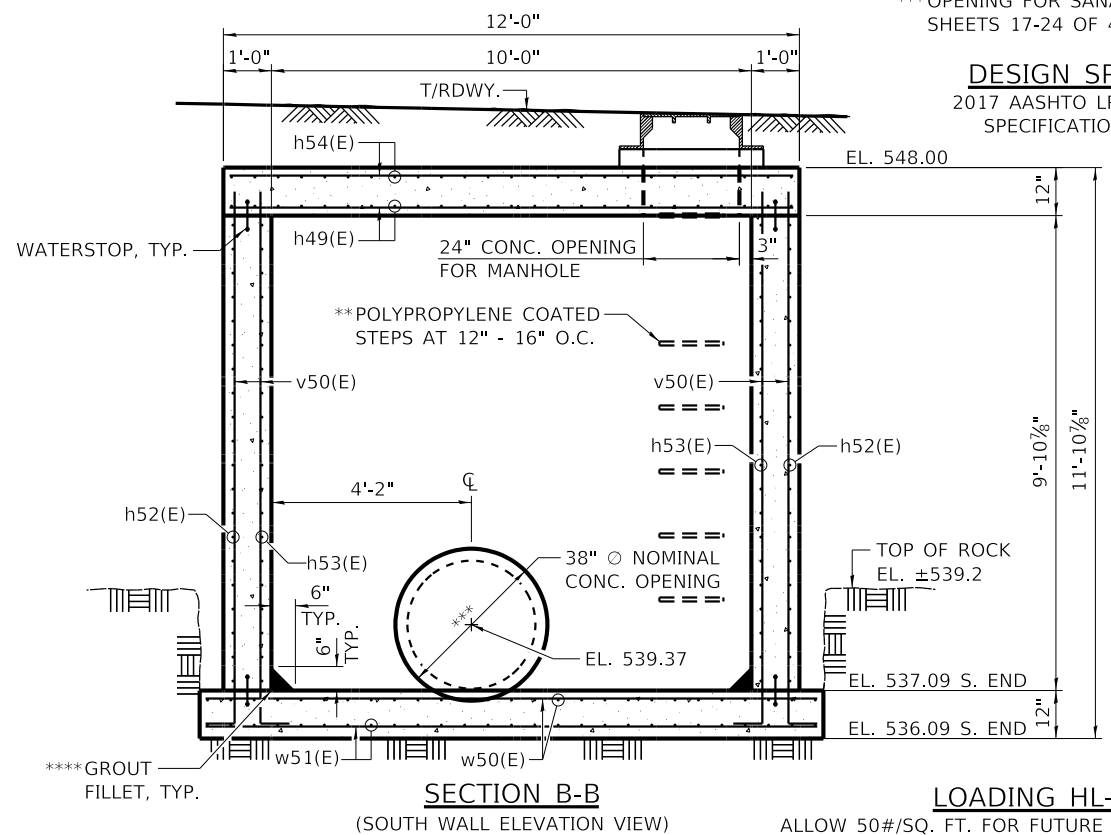
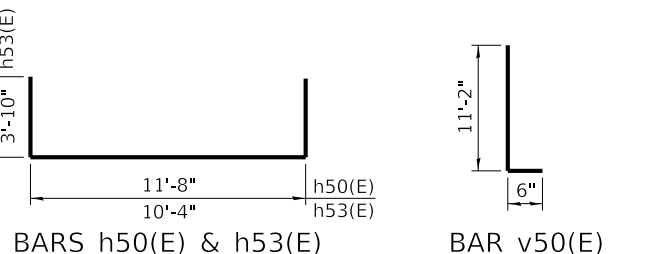
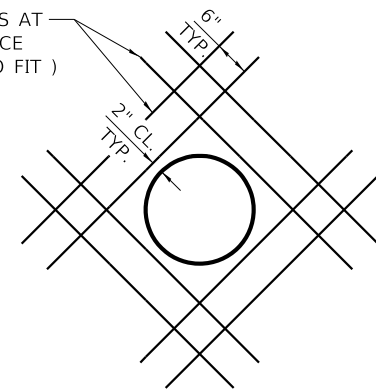
BAR	NO.	SIZE	LENGTH	SHAPE	
h49(E)	50	#7	11'-8"	—	
h50(E)	40	#6	19'-4"	—	
h51(E)	40	#6	10'-4"	—	
h52(E)	40	#6	11'-8"	—	
h53(E)	40	#6	18'-0"	—	
h54(E)	50	#5	11'-8"	—	
v50(E)	180	#6	11'-8"	L	
v51(E)	80	#5	4'-2"	—	
w50(E)	54	#7	12'-8"	—	
w51(E)	54	#5	12'-8"	—	
COFFERDAM EXCAVATION				CU. YD.	119
ROCK EXCAVATION FOR STRUCTURES				CU. YD.	19
COFFERDAM (TYPE 1) (LOCATION - 1)				EACH	1
CONCRETE STRUCTURES				CU. YD.	26.9
REINFORCEMENT BARS, EPOXY COATED				POUND	10,980
GRANULAR BACKFILL FOR STRUCTURES				CU. YD.	78

NOTE:
 ** MANHOLE STEPS, WHEN REQUIRED, SHALL BE FURNISHED AND INSTALLED AS SHOWN ON THE PLANS, AND SHALL BE POLYPROPYLENE COATED STEEL REINFORCING RODS WITH LOAD AND PULLOUT RATINGS MEETING OSHA STANDARDS. THIS ITEM INCLUDED IN THE CONTRACT UNIT PRICE PER POUND FOR REINFORCEMENT BARS, EPOXY COATED.
 **** COST OF GROUT FILLET INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STRUCTURES.



WATERSTOP DETAIL
 (BOTTOM SLAB SHOWN)
 (TOP SLAB SIMILAR)

TYPICAL OPENING DETAIL
 (TYPICAL FIVE LOCATIONS)

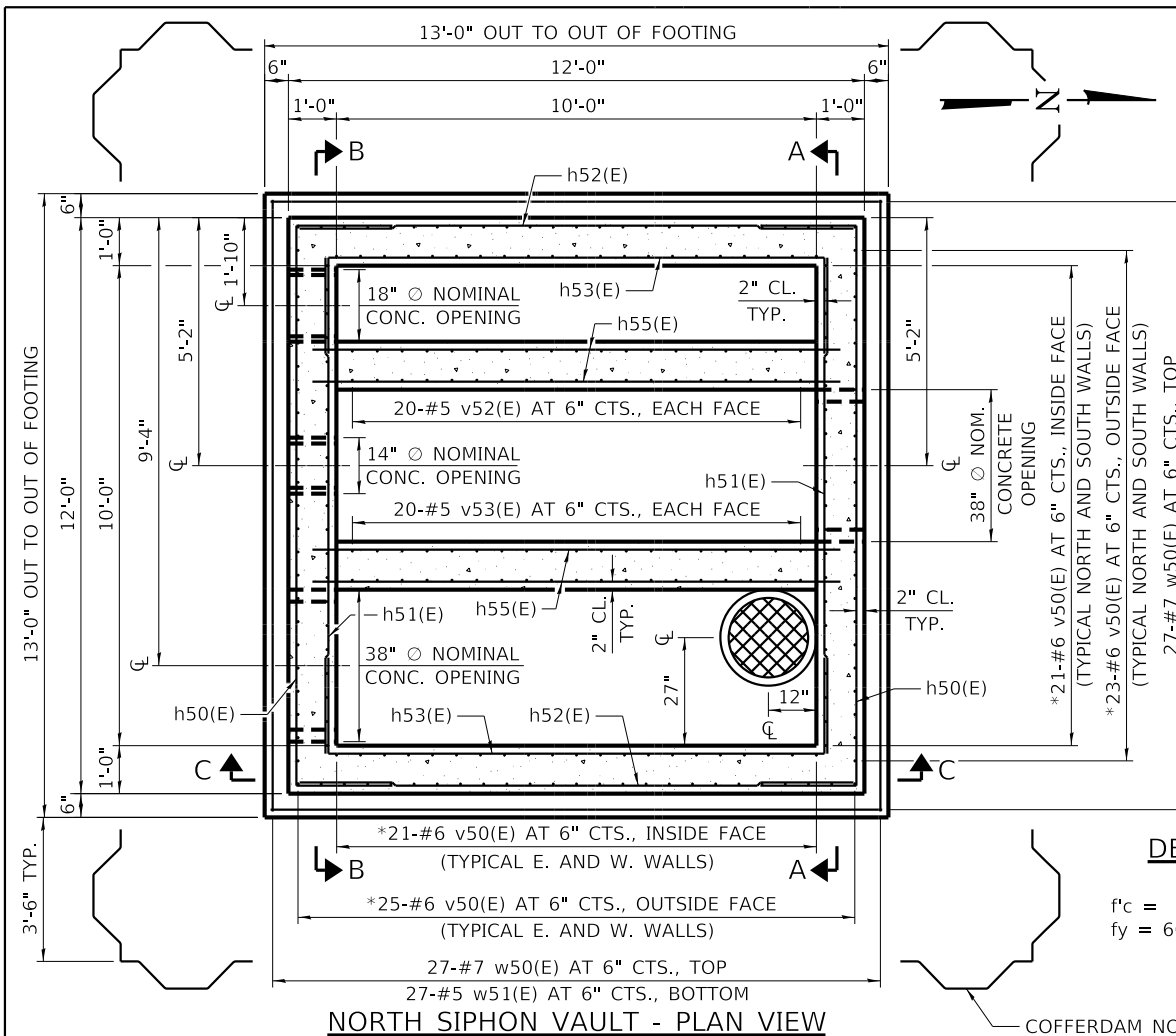


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PLOT SCALE =	CHECKED - IPN	REVISED -
PLOT DATE =	DRAWN - FDL	REVISED -
	CHECKED - PLP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH INVERTED SIPHON SANITARY VAULT
STRUCTURAL DETAILS
 INVERTED SIPHON STRUCTURES

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	20
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



NORTH SIPHON VAULT - PLAN VIEW
*CUT IN FIELD TO FIT AROUND OPENINGS

DESIGN STRESSES

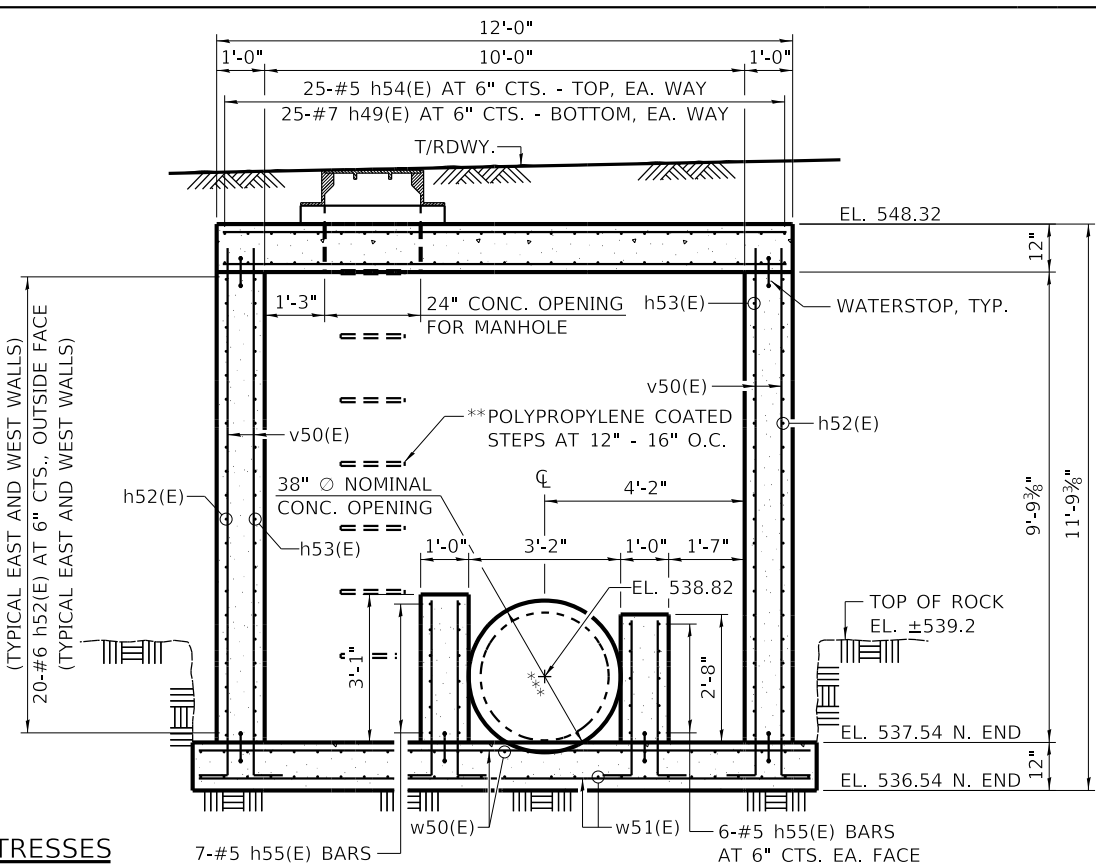
FIELD UNITS
 $f'_c = 3,500$ PSI (SUBSTRUCTURE)
 $f_y = 60,000$ PSI (REINFORCEMENT)

DESIGN SPECIFICATIONS

2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION

LOADING HL-93

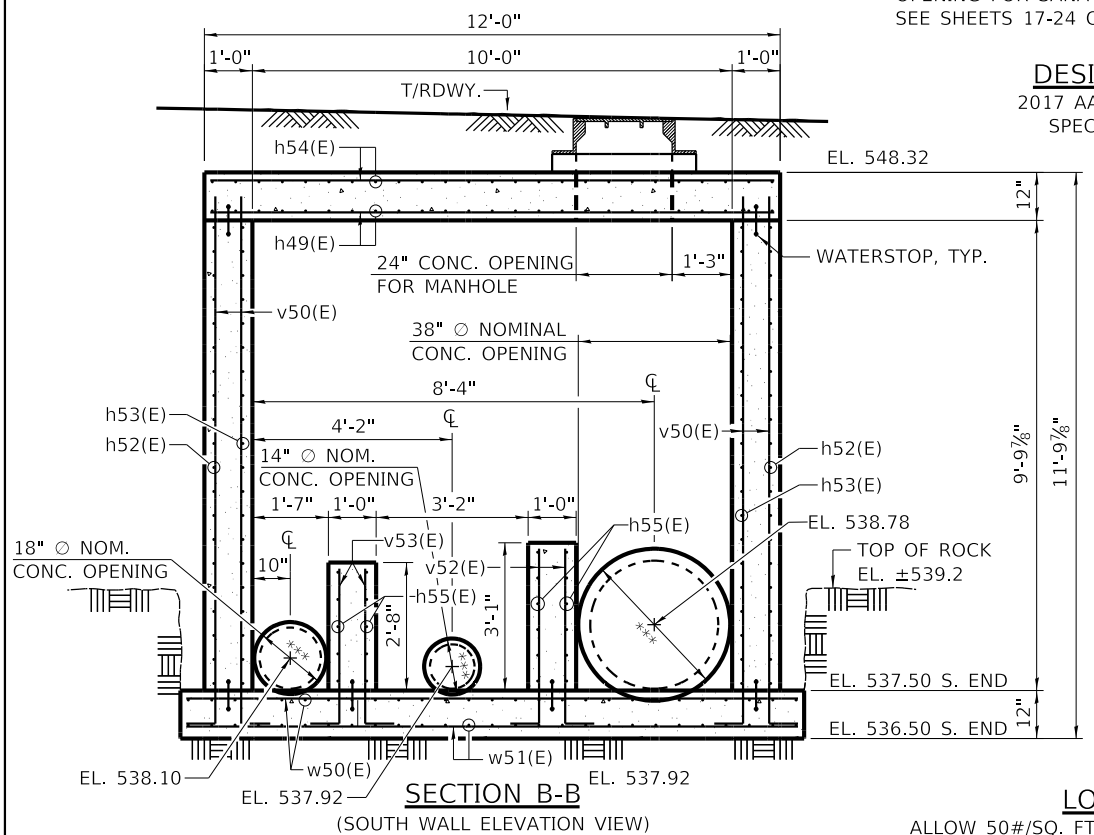
ALLOW 50#/SQ. FT. FOR FUTURE WEARING SURFACE.



SECTION A-A

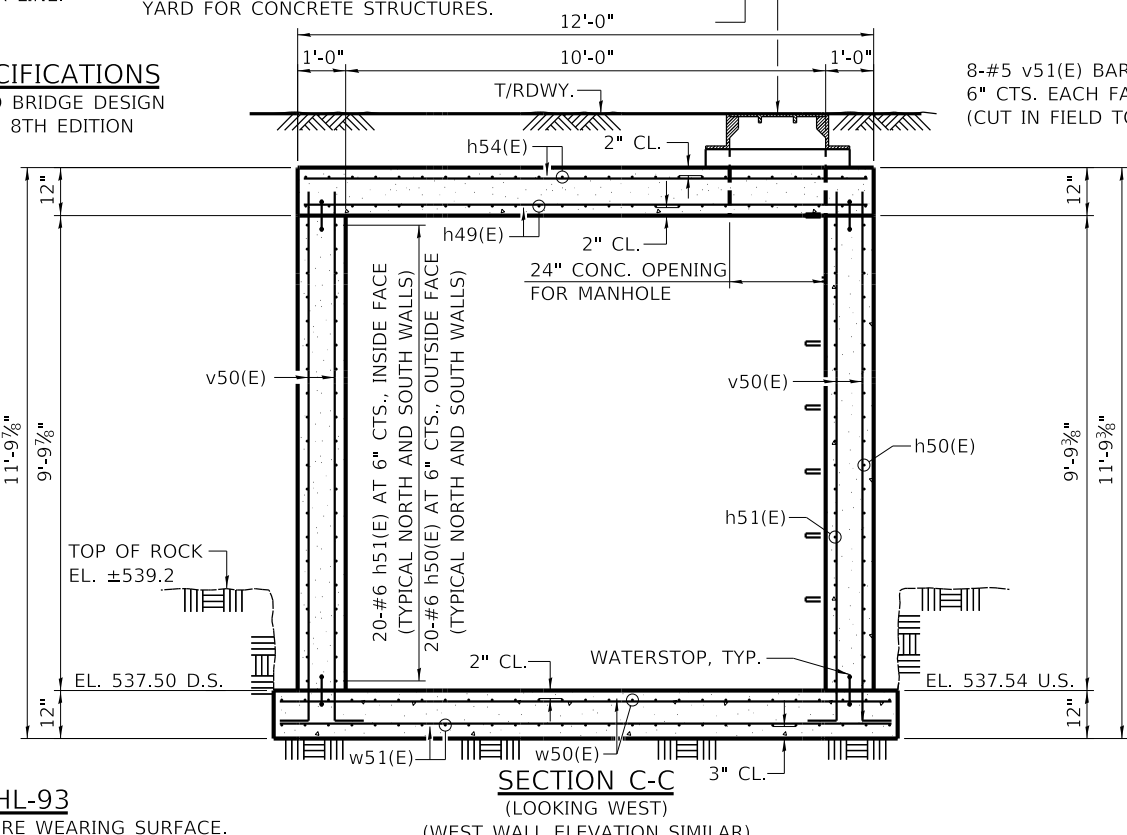
(NORTH WALL ELEVATION VIEW)

FRAME SHALL BE EAST JORDAN 1050Z1. CASTING SHALL BE SOLID WITH CONCEALED PICK HOLES AND SHALL HAVE "SANITARY" AND "CITY OF JOLIET" CAST INTO LID. INTERNAL CHIMNEY SEAL SHALL BE INFI-SHIELD UNI-BAND. COST INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STRUCTURES.



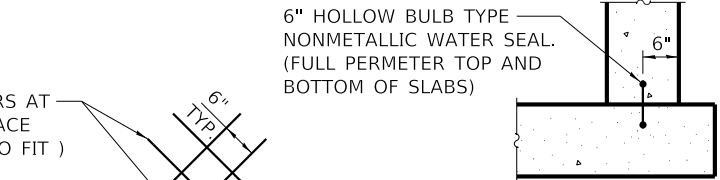
SECTION B-B

(SOUTH WALL ELEVATION VIEW)



SECTION C-C

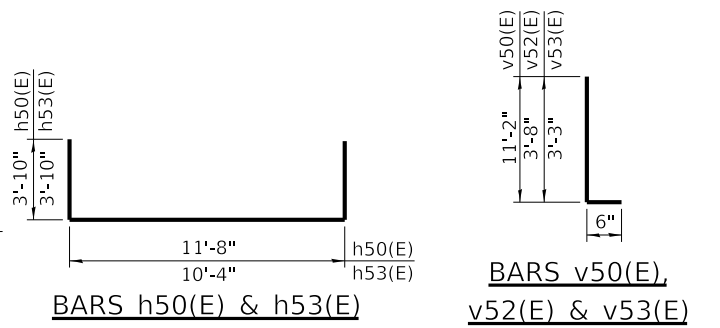
(WEST WALL ELEVATION SIMILAR)



WATERSTOP DETAIL
(BOTTOM SLAB SHOWN)
(TOP SLAB SIMILAR)

TYPICAL OPENING DETAIL

(TYPICAL FIVE LOCATIONS)



BARS h50(E) & h53(E)

BARS v50(E), v52(E) & v53(E)

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h49(E)	50	#7	11'-8"	—
h50(E)	40	#6	19'-4"	—
h51(E)	40	#6	10'-4"	—
h52(E)	40	#6	11'-8"	—
h53(E)	40	#6	18'-0"	—
h54(E)	50	#5	11'-8"	—
h55(E)	26	#5	11'-0"	—
v50(E)	180	#6	11'-8"	L
v51(E)	80	#5	4'-2"	—
v52(E)	40	#5	4'-2"	L
v53(E)	40	#5	3'-9"	L
w50(E)	54	#7	12'-8"	—
w51(E)	54	#5	12'-8"	—
COFFERDAM EXCAVATION			CU. YD.	123
ROCK EXCAVATION FOR STRUCTURES			CU. YD.	17
COFFERDAM (TYPE 1) (LOCATION - 2)			EACH	1
CONCRETE STRUCTURES			CU. YD.	28.9
REINFORCEMENT BARS, EPOXY COATED			POUND	11,610
GRANULAR BACKFILL FOR STRUCTURES			CU. YD.	80

NOTE:

** MANHOLE STEPS, WHEN REQUIRED, SHALL BE FURNISHED AND INSTALLED AS SHOWN ON THE PLANS, AND SHALL BE POLYPROPYLENE COATED STEEL REINFORCING RODS WITH LOAD AND PULLOUT RATINGS MEETING OSHA STANDARDS. THIS ITEM INCLUDED IN THE CONTRACT UNIT PRICE PER POUND FOR REINFORCEMENT BARS, EPOXY COATED.

**** COST OF GROUT FILLET INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STRUCTURES.

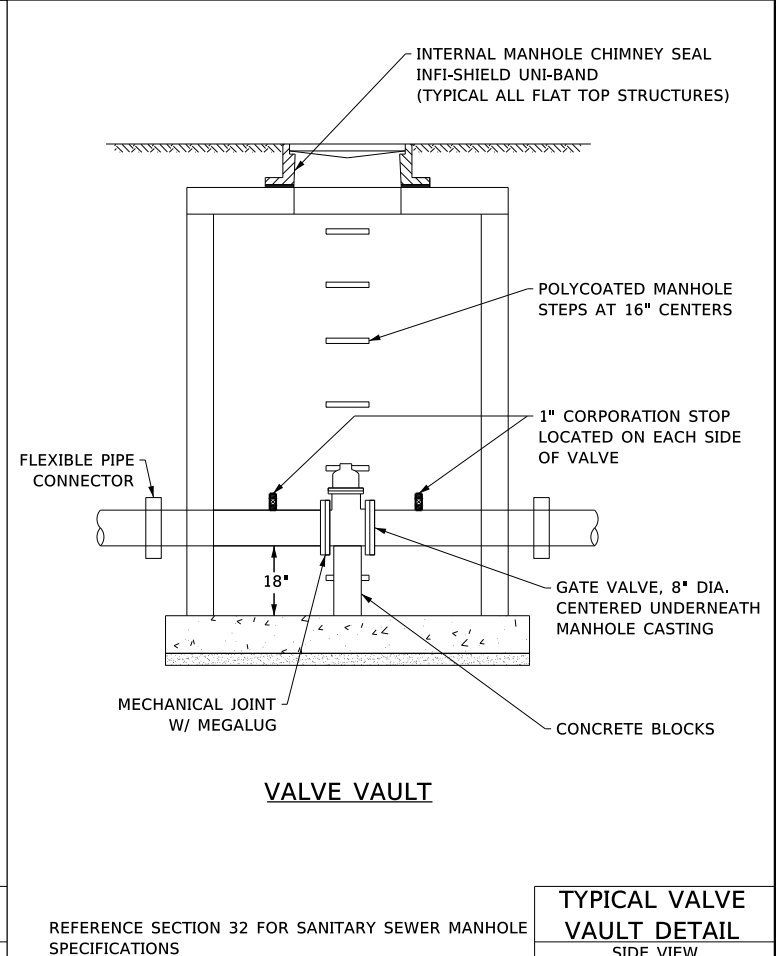
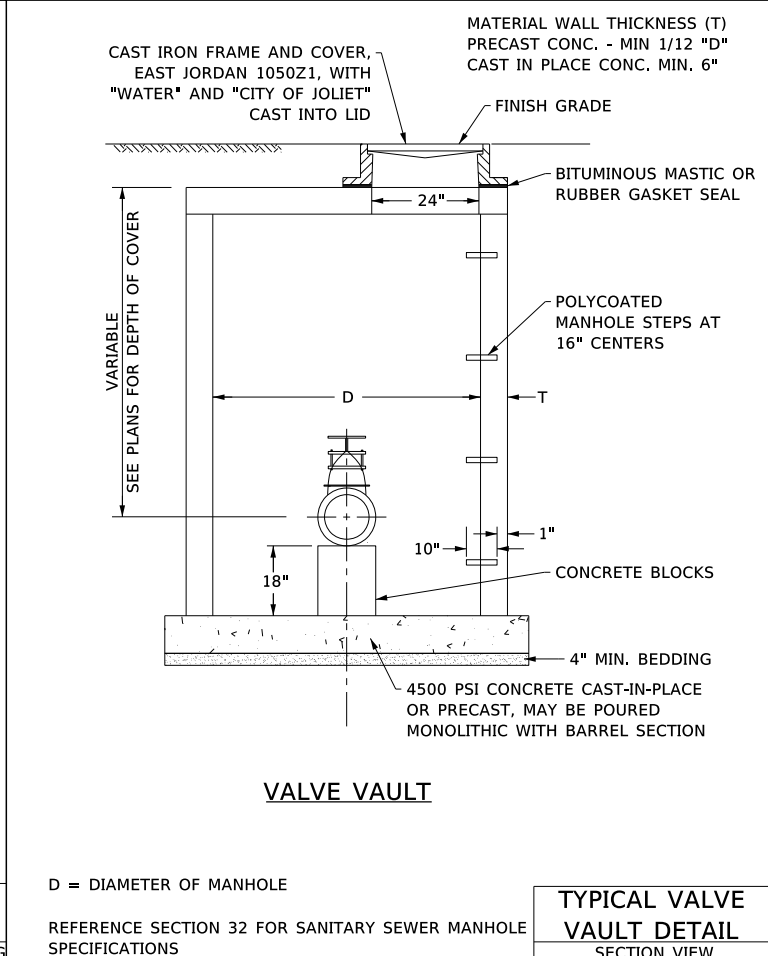
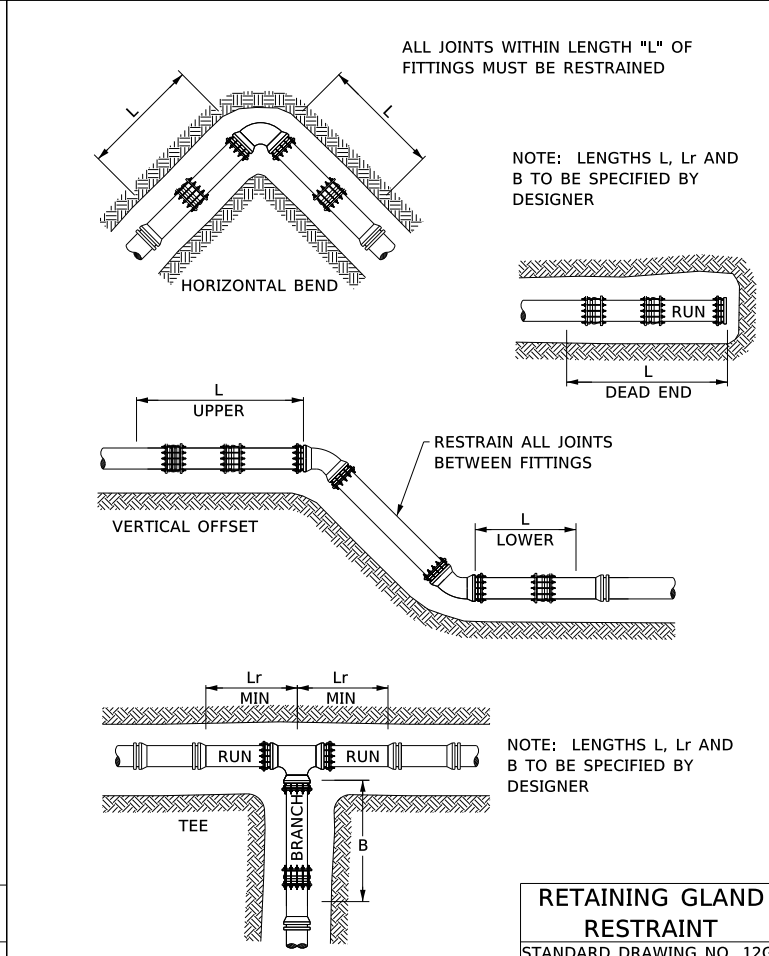
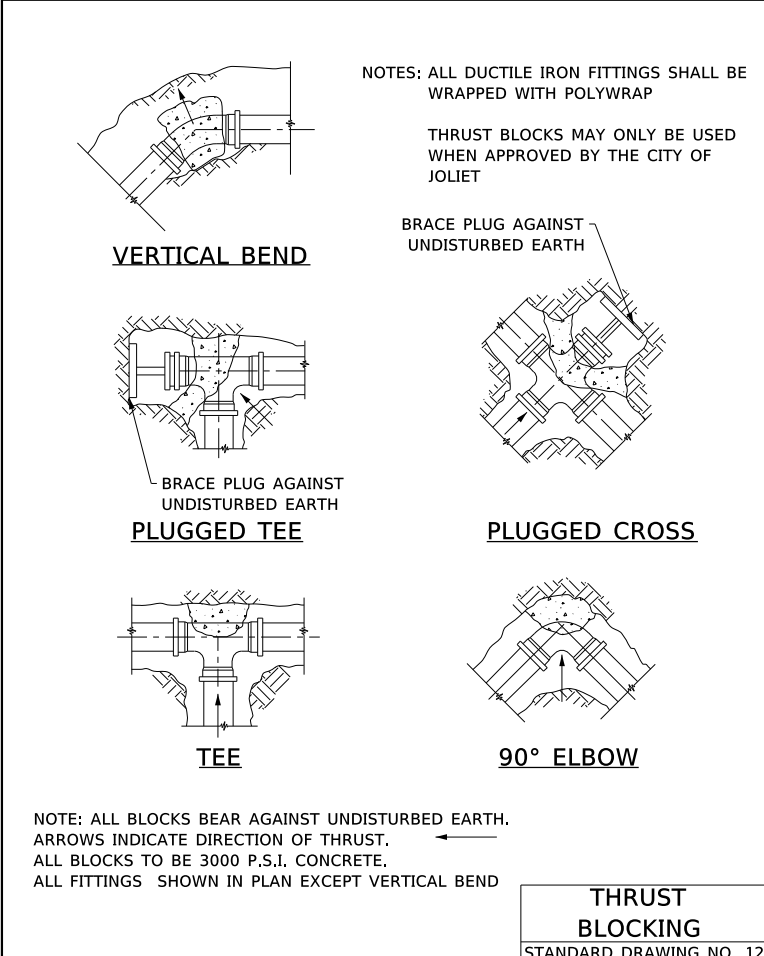
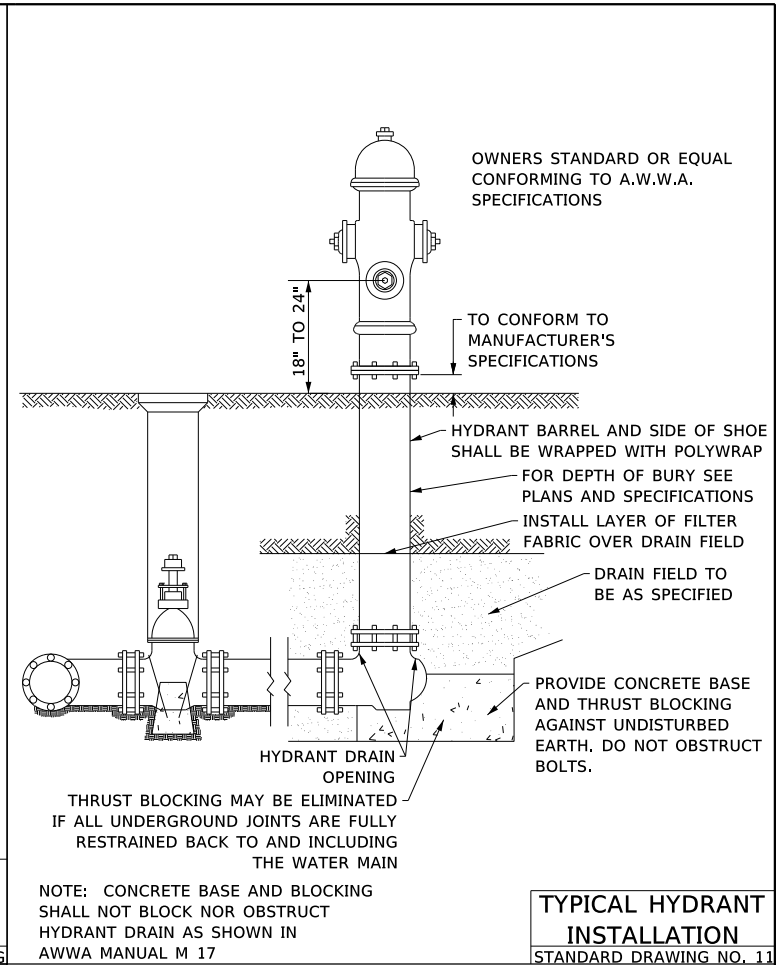
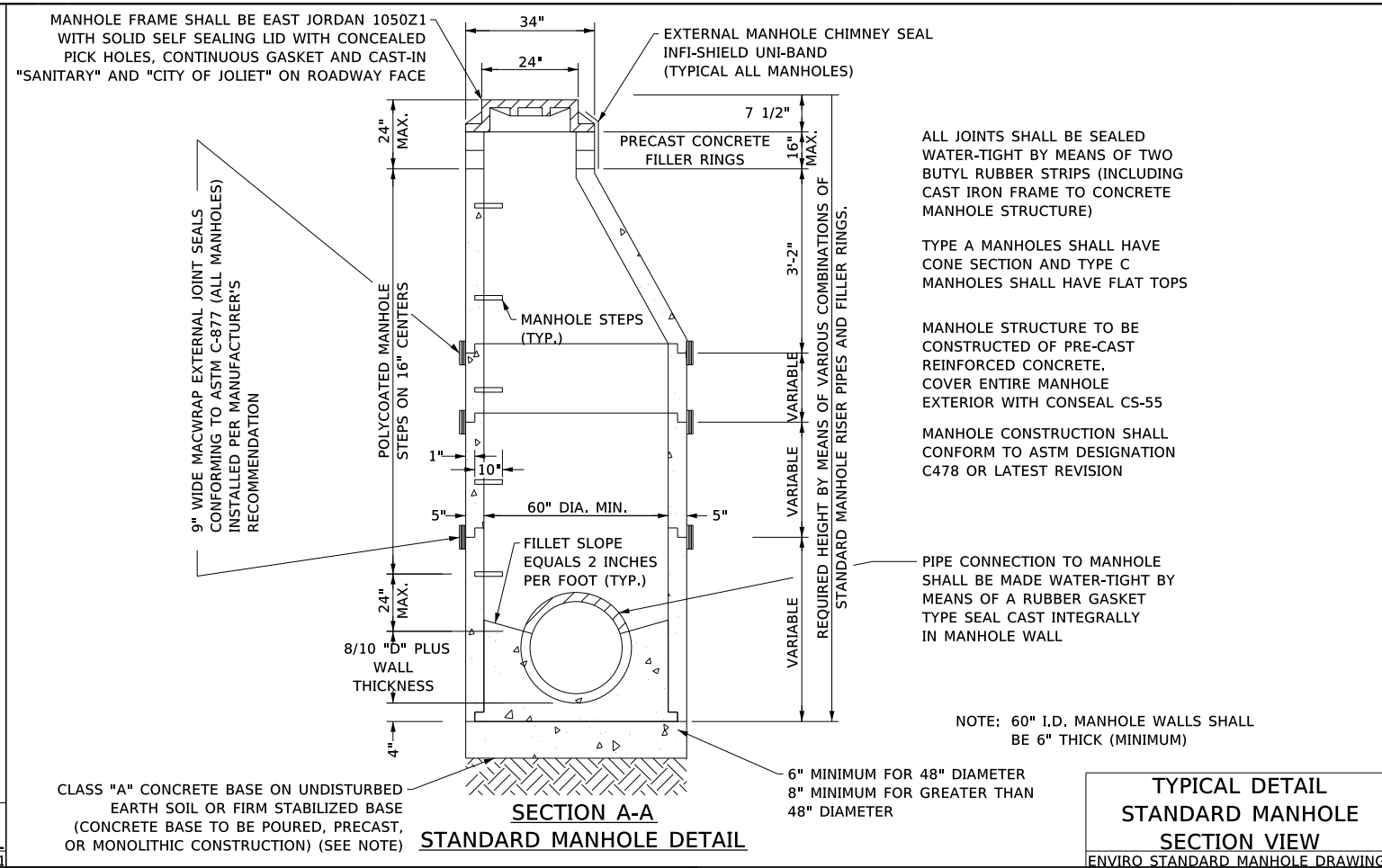
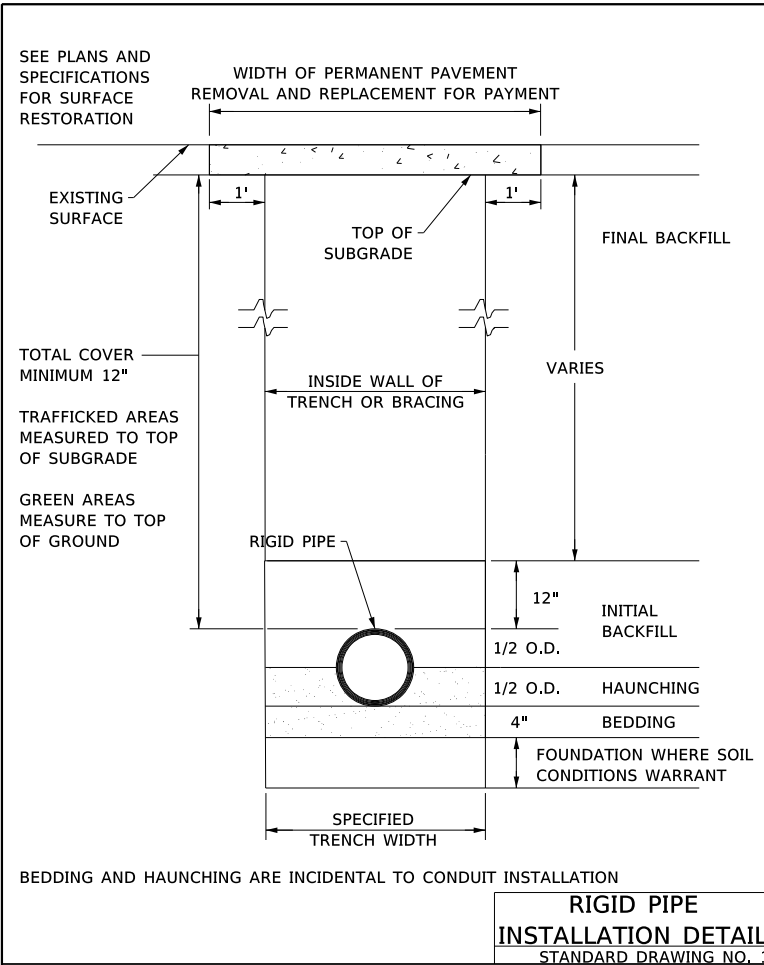


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PLOT SCALE =	CHECKED - IPN	REVISED -
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	CHECKED - PLP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

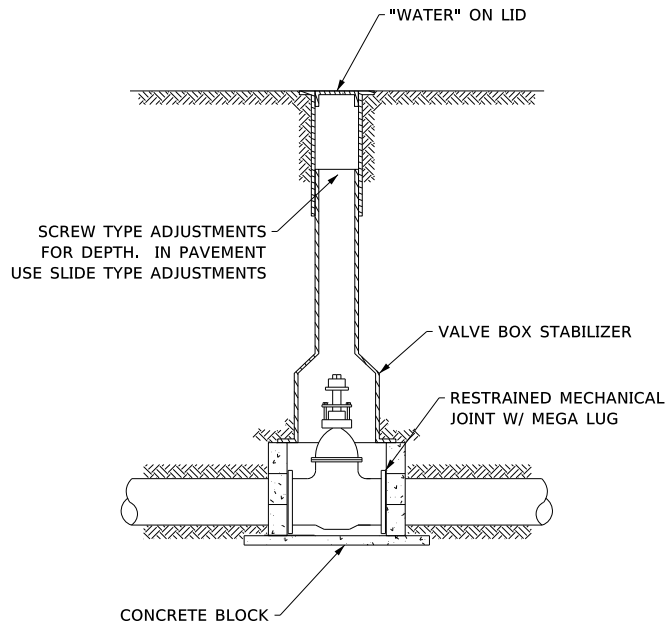
NORTH INVERTED SIPHON SANITARY VAULT
STRUCTURAL DETAILS
INVERTED SIPHON STRUCTURES

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

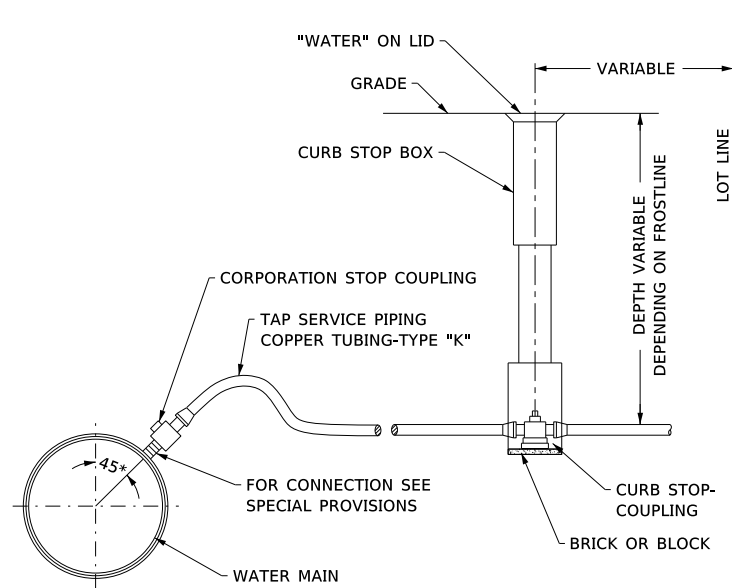


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	CHECKED - GMH	REVISED -
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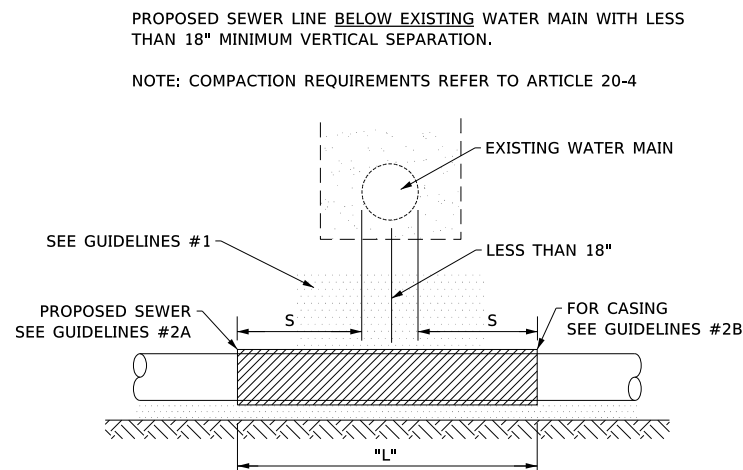
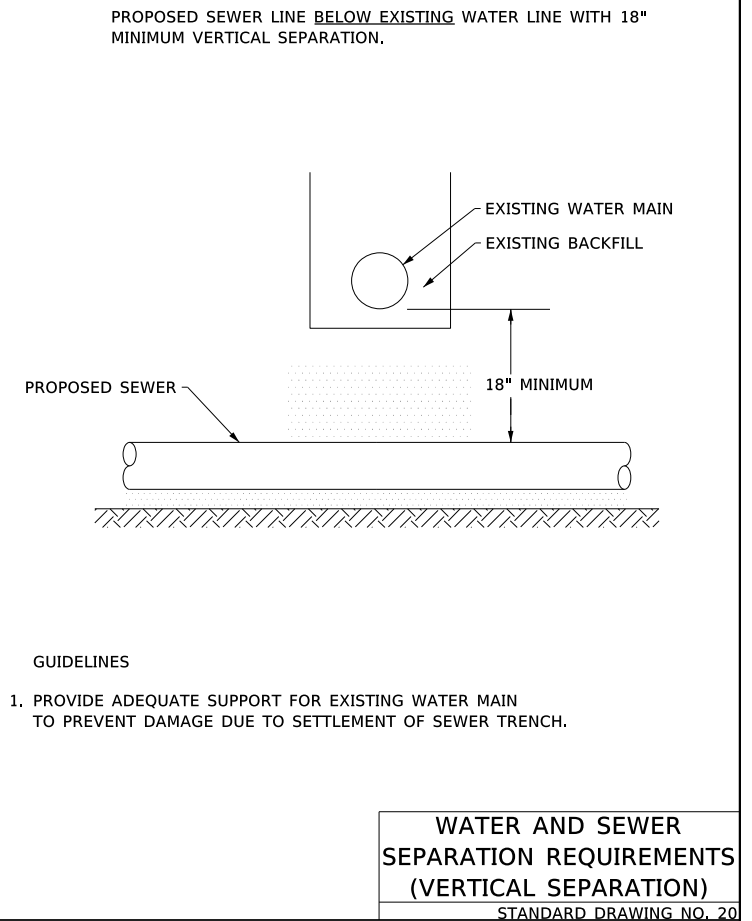
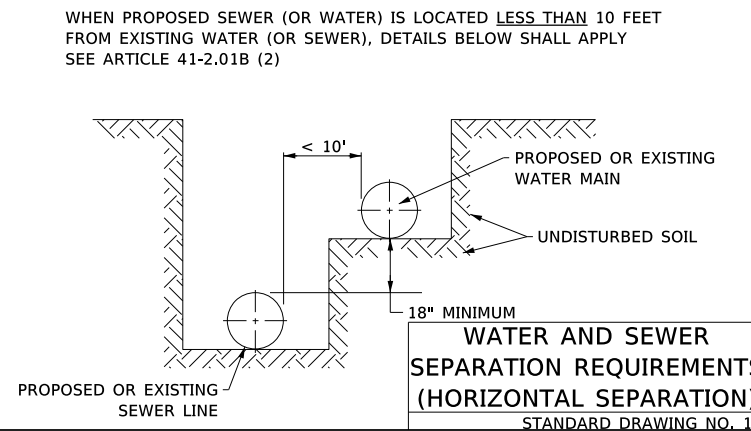
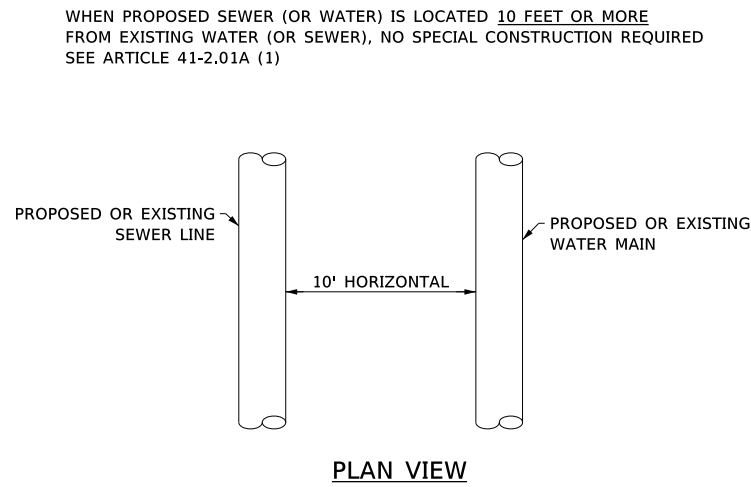
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	22
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



TYPICAL VALVE BOX INSTALLATION
STANDARD DRAWING NO. 14

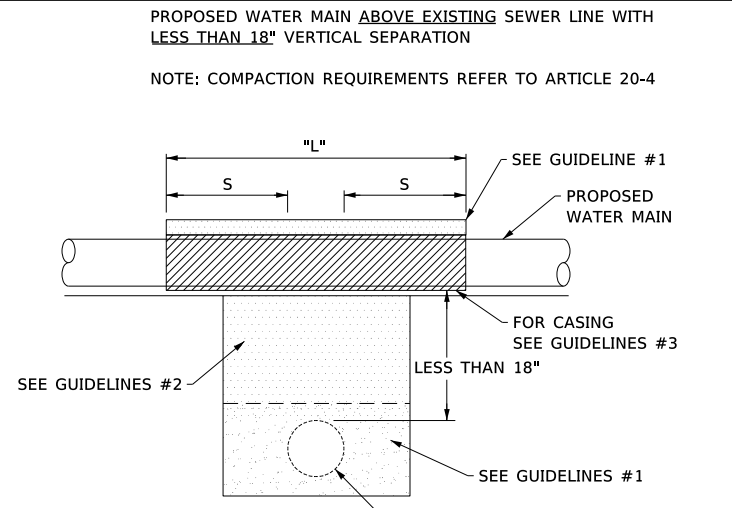


TYPICAL TAP SERVICE PIPING (COPPER)
STANDARD DRAWING NO. 17



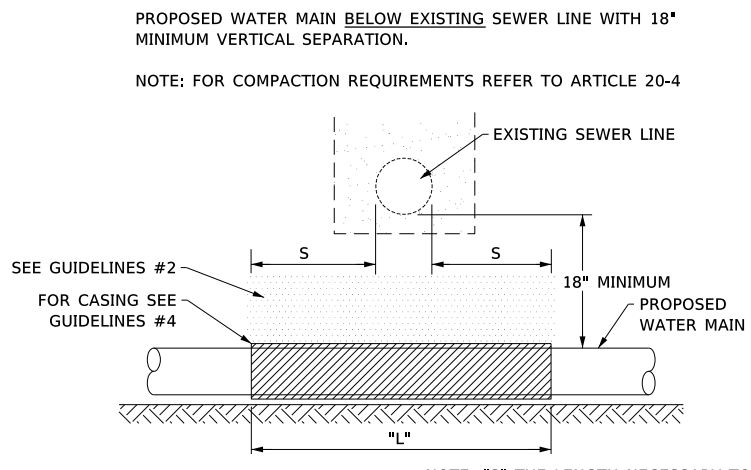
- GUIDELINES**
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
 2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
 3. B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
 4. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)
STANDARD DRAWING NO. 21



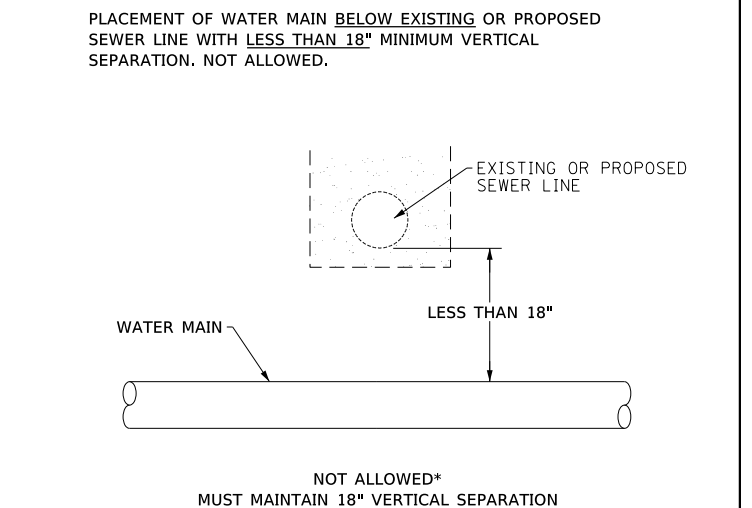
- GUIDELINES**
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED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

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)
STANDARD DRAWING NO. 22



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

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)
STANDARD DRAWING NO. 23



WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)
STANDARD DRAWING NO. 24



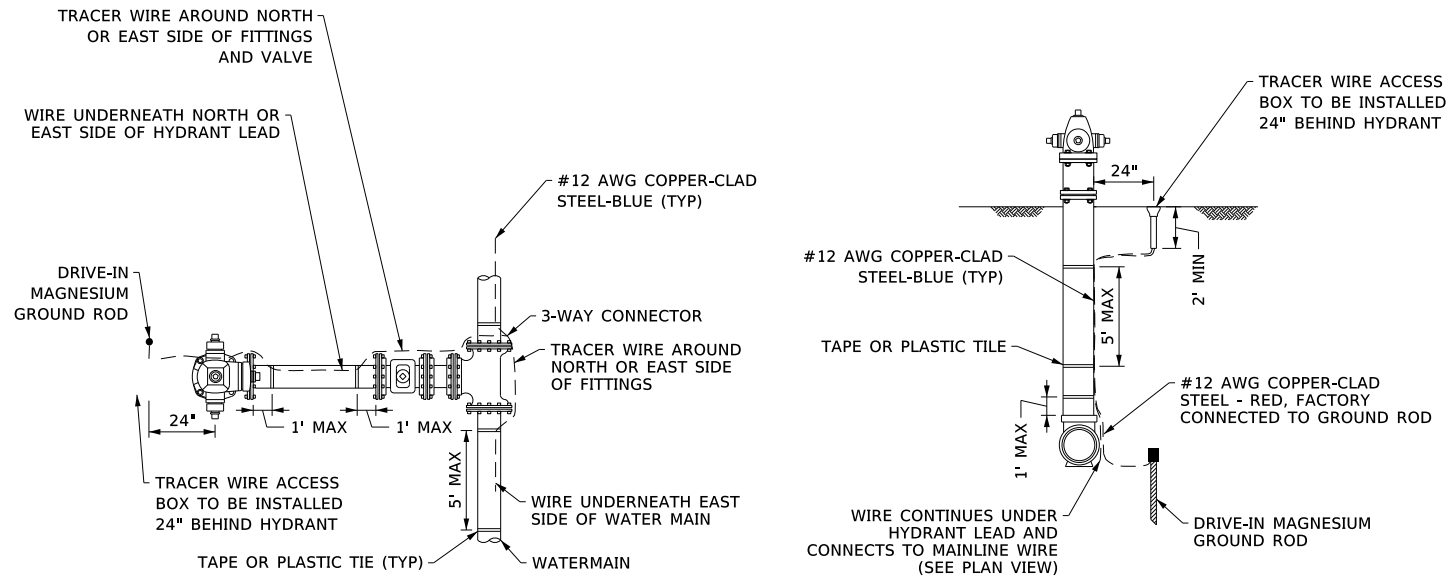
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	CHECKED - GMH	REVISED -
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PLOT DATE =	CHECKED - DBL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

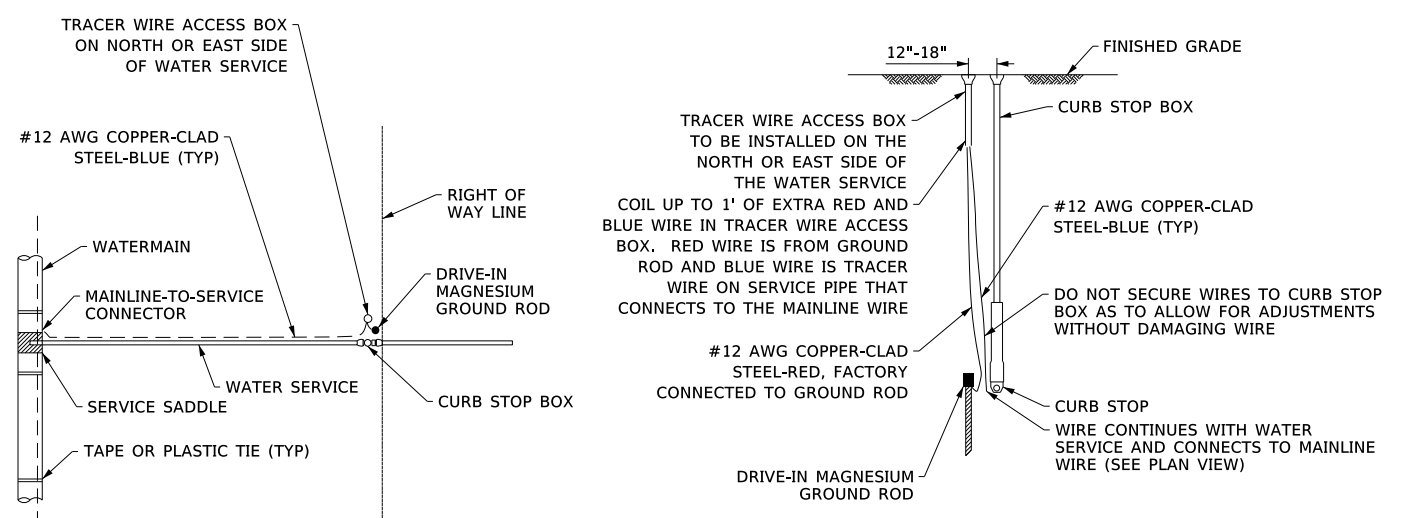
SANITARY SEWER AND WATER MAIN

STANDARD SEWER AND WATER DETAILS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	23
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				

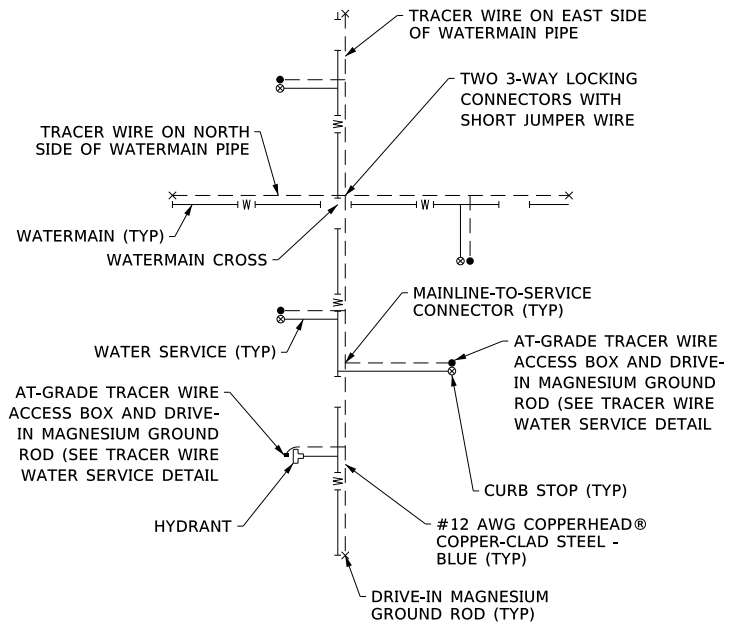


NOTE: WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED IMMEDIATELY ADJACENT TO THE SERVICE PIPE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS



TRACER WIRE HYDRANT DETAIL

TRACER WIRE WATER SERVICE DETAIL



NOTE: 1. WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED ON THE BOTTOM SIDE OF THE PIPE BELOW THE SPRING LINE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC AT 5' INTERVALS.

2. CONTRACTOR SHALL PERFORM CONDUCTIVITY TEST USING LOW FREQUENCY (512 Hz) LINE TRACING EQUIPMENT PRIOR TO FINAL ACCEPTANCE. SHOULD ANY SECTION FAIL THE CONDUCTIVITY TEST, CONTRACTOR WILL BE REQUIRED TO MAKE ANY NECESSARY REPAIRS SO THAT IT WILL PASS THE CONDUCTIVITY TEST.



USER NAME =	DESIGNED - DBL	REVISED -
	CHECKED - MCH	REVISED -
PLOT SCALE =	DRAWN - GMH	REVISED -
PLOT DATE =	CHECKED - DBL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER AND WATER MAIN
STANDARD SEWER AND WATER DETAILS

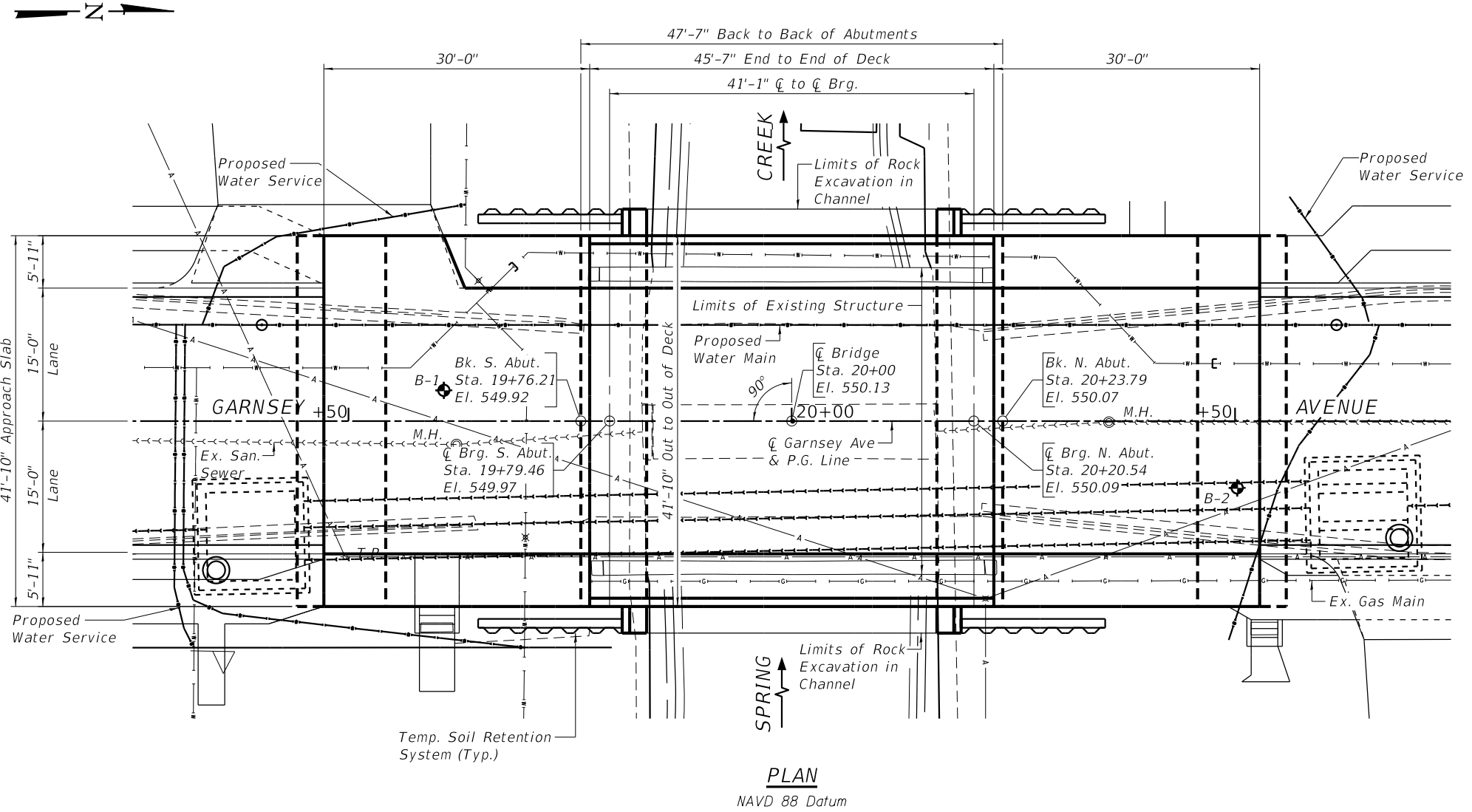
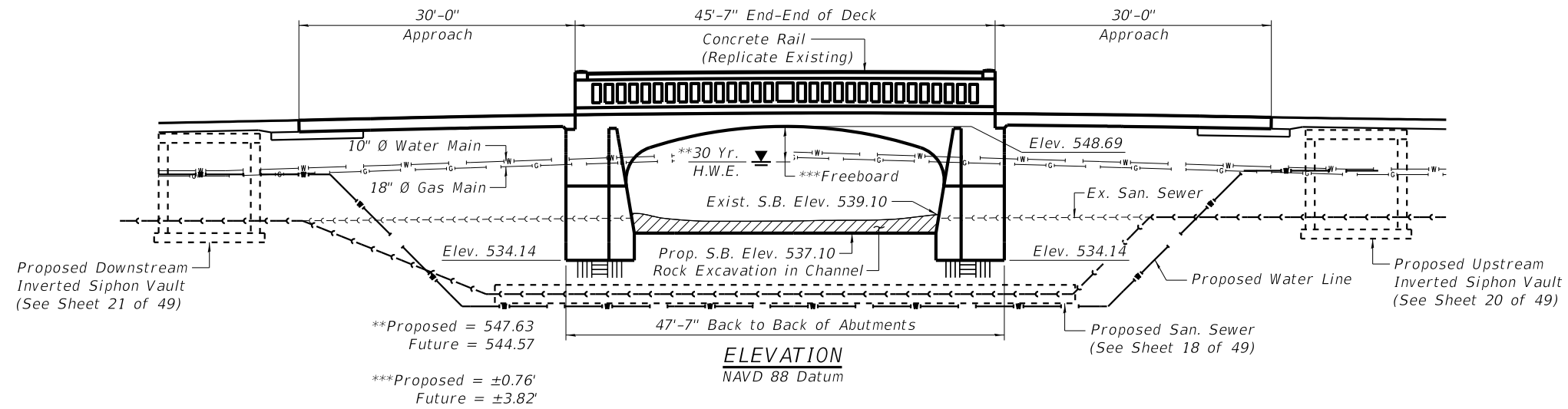
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	24
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

EXISTING STRUCTURE: S.N. 099-6460 originally constructed in 1911 (unknown section and station) as a single span (1 @ 41'-3") reinforced concrete filled spandral arch bridge. The structure is supported on footings sitting in rock. 45'-7" end-end of parapet and 34'-8" out to out of deck. The existing structure is to be removed and replaced.

BENCH MARK: NW Corner of Bridge, 17' Lt. of Sta. 20+22, El. 555.12

No Salvage. Existing arch shape and architectural features to be replicated for historic preservation.

Road will be closed to traffic during construction.



**GENERAL PLAN AND ELEVATION
GARNSEY AVENUE OVER SPRING CREEK
M.S. RTE. 1083 - SEC. 11-00443-00-BR
CITY OF JOLIET
STATION 20+00
STRUCTURE NO. 099-6480**



USER NAME =	DESIGNED - JKP	REVISED -
	CHECKED - PLP	REVISED -
PLOT SCALE =	DRAWN - FDL	REVISED -
PLOT DATE =	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STRUCTURAL SHEET NO. 1 OF 17 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	25
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

SPRING CREEK
BUILT 20__ BY
CITY OF JOLIET
SECTION 11-00443-00-BR
M.S. RTE. 1083 STATION 20+00
STR. NO. 099-6480 LOADING HL-93

NAME PLATE LETTERING

Refer To Std. 515001

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)

LOADING HL-93

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.035
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.09
Soil Site Class = B

WATERWAY INFORMATION - PROPOSED

Drainage Area = 18.6 sq. mi.; Low Grade Elev. 547.75 @ Sta. 15+00; (NGVD 29)

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	1,386	228.9	276.0	545.57	0.03	0.00	545.60	545.47
	30	2,200	304.0	342.2	547.93	0.06	0.00	547.99	547.88
	50	2,767	330.6	356.4	549.08	0.13	0.03	549.21	549.11
Base	100	3,529	342.1	356.4	550.96	0.02	0.00	550.98	550.91
Overtopping									

WATERWAY INFORMATION - ***FUTURE**

Drainage Area = 18.6 sq. mi.; Low Grade Elev. 547.75 @ Sta. 15+00; (NGVD 29)

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	1,386	-	191.6	543.09	-	0.05	-	543.14
	30	2,200	-	252.7	544.87	-	0.09	-	544.96
	50	2,767	-	290.5	546.02	-	0.11	-	546.13
Base	100	3,529	-	331.5	547.45	-	0.19	-	547.64
Overtopping									

*****Future conditions refer to after the IDNR Office of Water Resources' Spring Creek Streambed Lowering (±2') Project is completed. The existing structure will not be affected by the Streambed Lowering Project and therefore has not been referred to in this table.

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation - ft.	North Abut.	South Abut.
	537.1	537.1

NAVD 88 (Top of Rock Streambed)

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Temporary Soil Retention System Layout
4. Top of Slab Elevations
5. Top of South Approach Slab Elevations
6. Top of North Approach Slab Elevations
7. Superstructure
- 8-9. Superstructure Details
- 10-11. Concrete Bridge Railing
- 12-13. South Bridge Approach Slab Details
- 14-15. North Bridge Approach Slab Details
16. South and North Abutment
17. Boring Logs

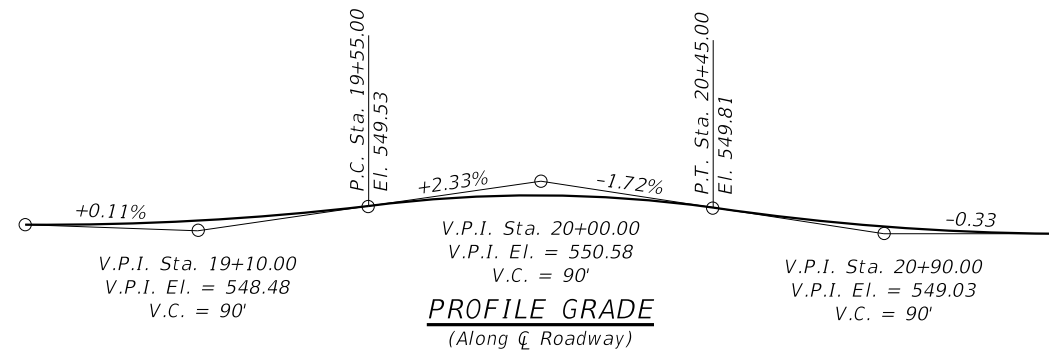
BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
Rock Excavation in Channel	Cu Yd	116	—	116
* Removal Of Existing Structures	Each	—	1	1
Structure Excavation	Cu Yd	276	—	276
Rock Excavation for Structures	Cu Yd	71	—	71
Concrete Structures	Cu Yd	212.9	—	212.9
Concrete Superstructure	Cu Yd	—	307.6	307.6
** Bridge Deck Grooving	Sq Yd	—	330	330
** Protective Coat	Sq Yd	—	549	549
Concrete Superstructure (Approach Slab)	Cu Yd	—	132.2	132.2
Reinforcement Bars, Epoxy Coated	Pound	24,040	97,850	122,490
Name Plates	Each	—	1	1
Temporary Soil Retention System	Sq Ft	436	—	436
Granular Backfill For Structures	Cu Yd	264	—	264
Geocomposite Wall Drain	Sq Yd	113	—	113
* Pipe Underdrains for Structures 4"	Foot	130	—	130
* Dewatering Structure No. 1	Each	1	—	1
* Concrete Bridge Railing	Foot	—	91	91

* See Special Provisions
** Included 30' of Bridge Approach Pavement

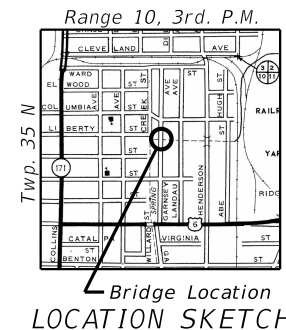
GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
Bridge abutments shall be poured against in place rock. Do not form.
The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure
Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
This proposed structure contains concrete structures with thickness greater than five feet. A Thermal Control Plan per 1020.15 is required.



DATE: _____
EXPIRES 11/30/20

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE REPAIR DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS, THE DESIGN IS AN ECONOMICAL ONE COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."



GENERAL DATA
GARNSEY AVENUE OVER SPRING CREEK
M.S. RTE. 1083 - SEC. 11-00443-00-BR
CITY OF JOLIET
STATION 20+00
STRUCTURE NO. 099-6480

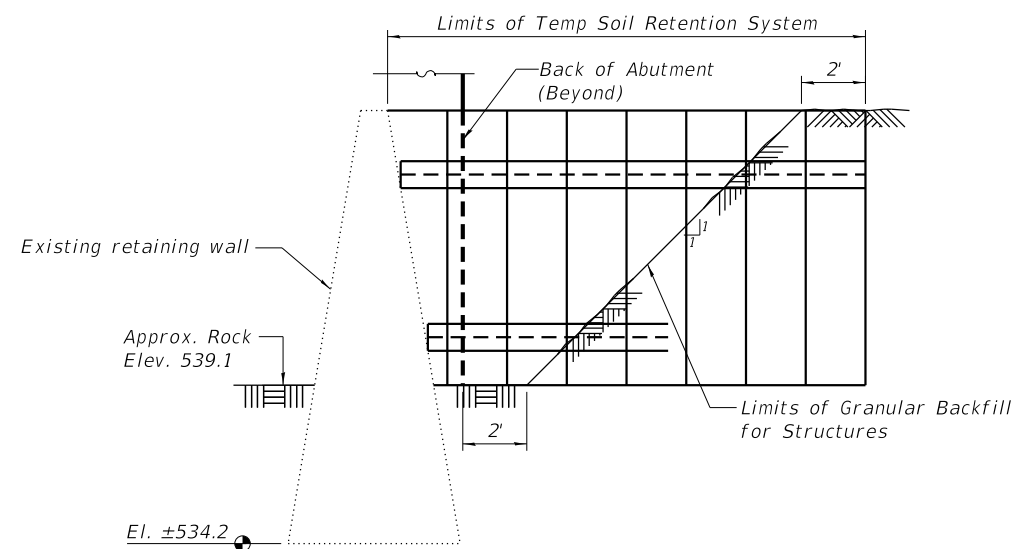
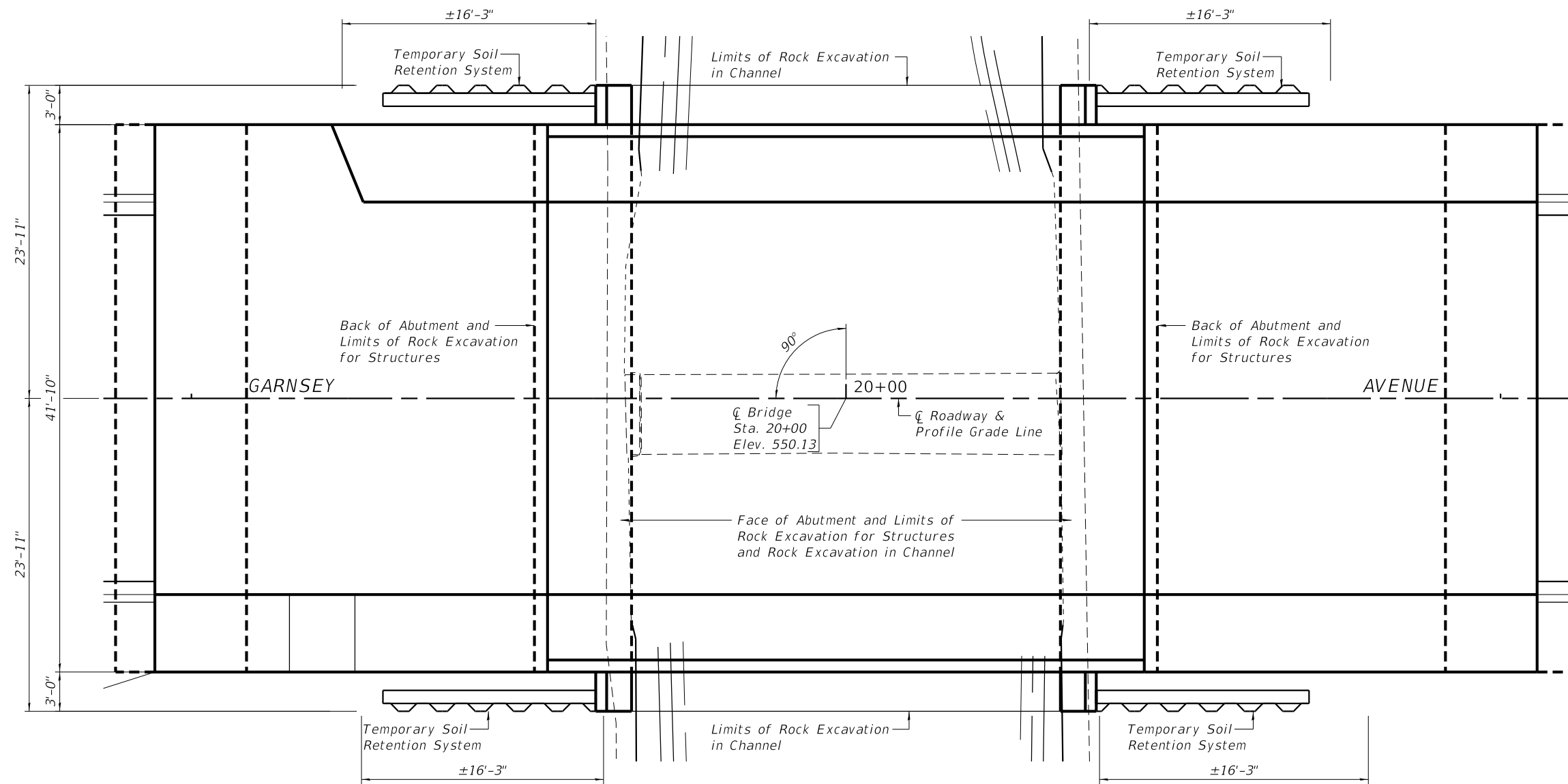


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	CHECKED - PLP	REVISED -
PLOT SCALE =	DRAWN - FDL	REVISED -
PLOT DATE =	CHECKED - PLP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL SHEET NO. 2 OF 17 SHEETS

M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 26
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



SECTION THRU TEMPORARY SOIL RETENTION SYSTEM

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Soil Retention System	Sq. Ft.	436
Rock Excavation in Channel	Cu. Yd.	116

NOTES:

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

See Structural Sheet 16 Of 17 for Limits of Rock Excavation for Structures.



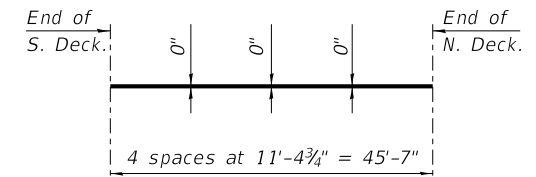
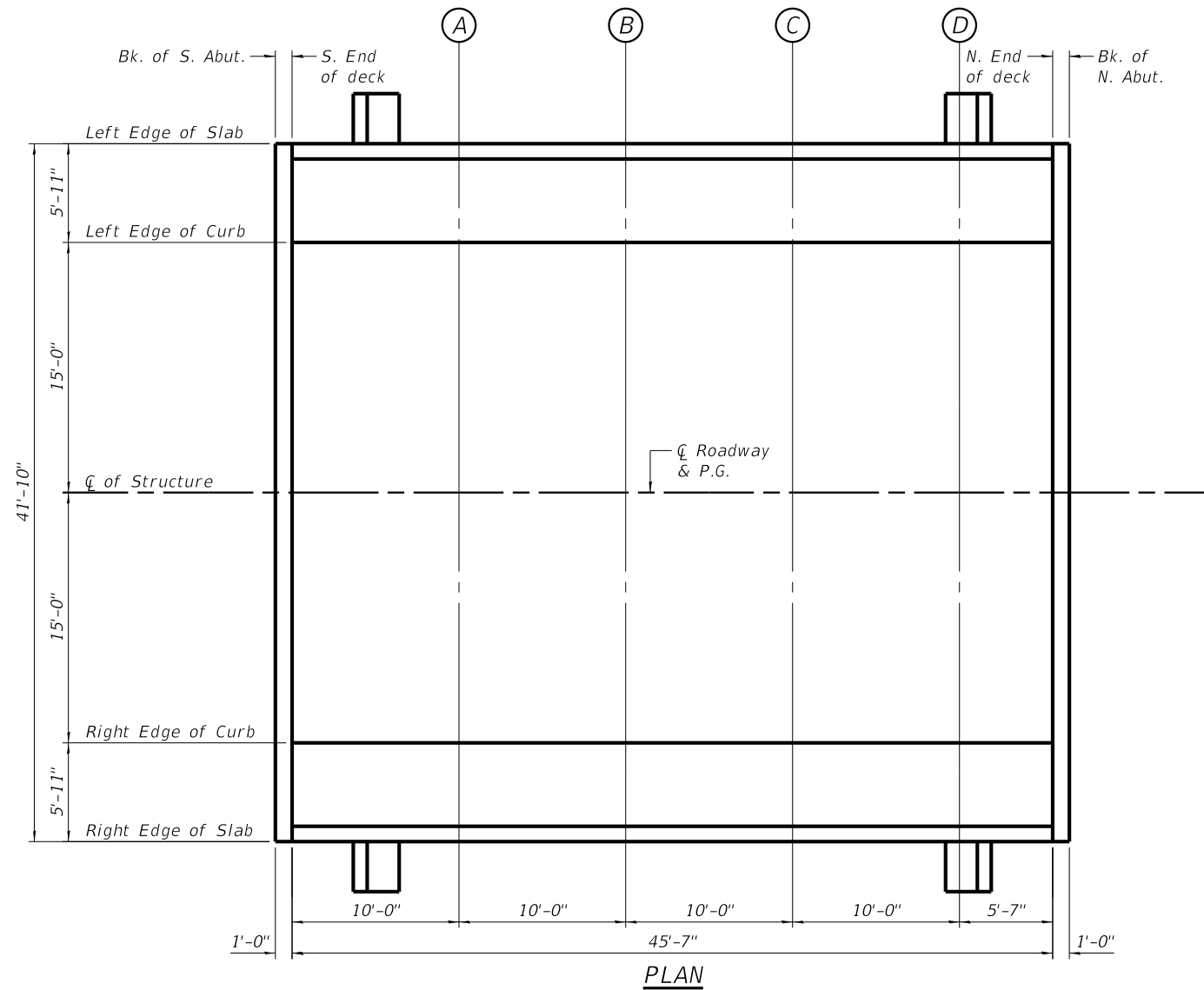
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	CHECKED - MRL	REVISED -
PLOT SCALE =	DRAWN - FDL	REVISED -
PLOT DATE =	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SOIL RETENTION SYSTEM LAYOUT
STRUCTURE NO. 099-6480**

STRUCTURAL SHEET NO. 3 OF 17 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	27
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete slab only)

NOTE:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

LEFT EDGE OF SLAB

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End of Deck at S. Abut.	19+77.21	21.92'	549.70	549.70
A	19+87.21	21.92'	549.81	549.81
B	19+97.21	21.92'	549.88	549.88
C	20+07.21	21.92'	549.90	549.90
D	20+17.21	21.92'	549.88	549.88
End of Deck at N. Abut.	20+22.79	21.92'	549.84	549.84

CENTERLINE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End of Deck at S. Abut.	19+77.21	0.00'	549.94	549.94
A	19+87.21	0.00'	550.05	550.05
B	19+97.21	0.00'	550.11	550.11
C	20+07.21	0.00'	550.14	550.14
D	20+17.21	0.00'	550.11	550.11
End of Deck at N. Abut.	20+22.79	0.00'	550.08	550.08

RIGHT EDGE OF SLAB

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End of Deck at S. Abut.	19+77.21	21.92'	549.70	549.70
A	19+87.21	21.92'	549.81	549.81
B	19+97.21	21.92'	549.88	549.88
C	20+07.21	21.92'	549.90	549.90
D	20+17.21	21.92'	549.88	549.88
End of Deck at N. Abut.	20+22.79	21.92'	549.84	549.84

LEFT EDGE OF CURB

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End of Deck at S. Abut.	19+77.21	15.00'	549.70	549.70
A	19+87.21	15.00'	549.81	549.81
B	19+97.21	15.00'	549.88	549.88
C	20+07.21	15.00'	549.90	549.90
D	20+17.21	15.00'	549.88	549.88
End of Deck at N. Abut.	20+22.79	15.00'	549.84	549.84

RIGHT EDGE OF CURB

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End of Deck at S. Abut.	19+77.21	15.00'	549.70	549.70
A	19+87.21	15.00'	549.81	549.81
B	19+97.21	15.00'	549.88	549.88
C	20+07.21	15.00'	549.90	549.90
D	20+17.21	15.00'	549.88	549.88
End of Deck at N. Abut.	20+22.79	15.00'	549.84	549.84



USER NAME =	DESIGNED - JKP	REVISED -
	CHECKED - MRL	REVISED -
PLOT SCALE =	DRAWN - FDL	REVISED -
PLOT DATE =	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 099-6480**

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	28
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

STRUCTURAL SHEET NO. 4 OF 17 SHEETS

LEFT EDGE OF APPROACH PAVEMENT

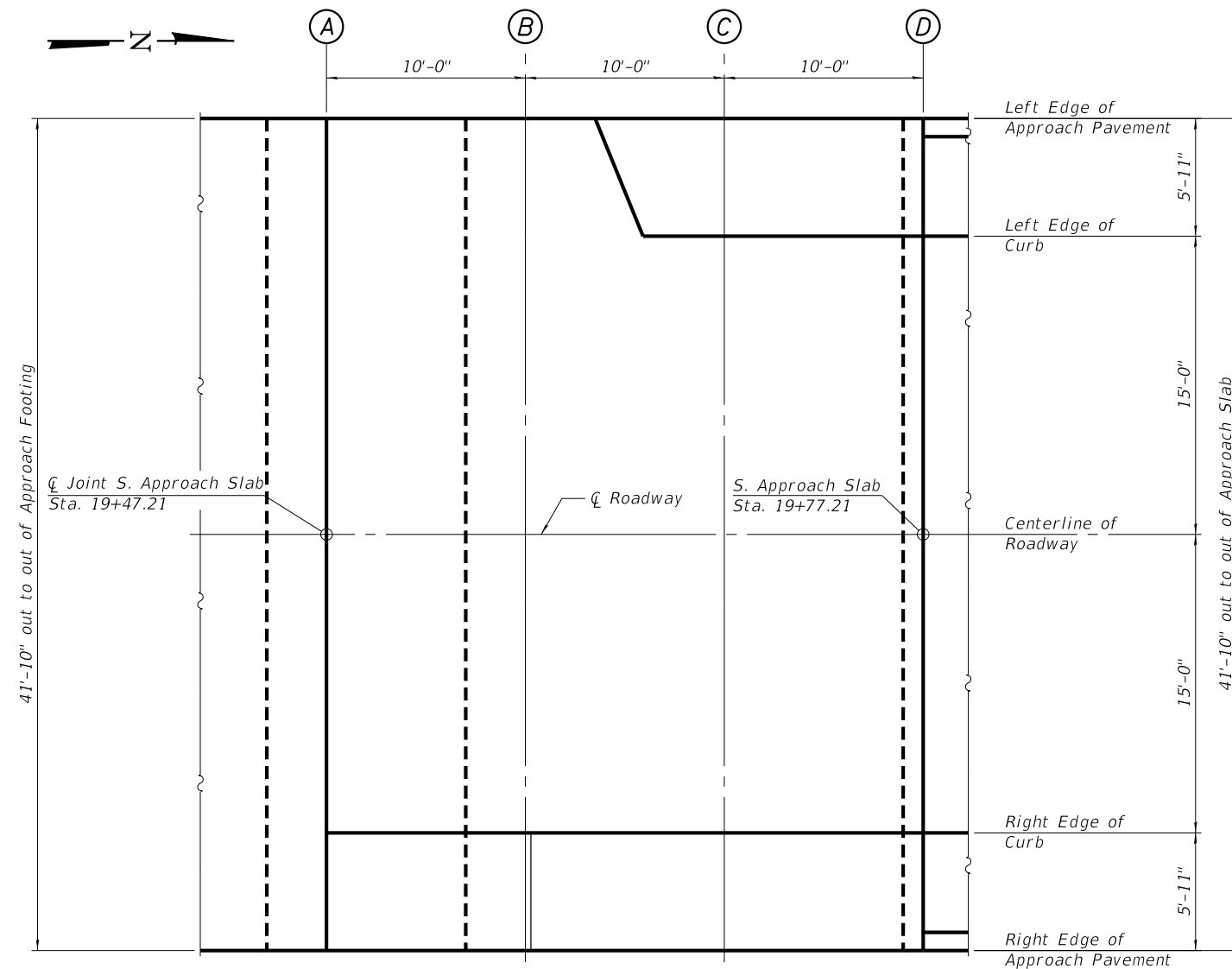
Location	Station	Offset Lt.	Theoretical Grade Elevations
A	19+47.21	20.92'	549.24
B	19+57.21	20.92'	549.55
C	19+67.21	20.92'	549.98
D	19+77.21	20.92'	549.47

LEFT EDGE OF CURB

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	19+47.21	15.00'	549.05
B	19+57.21	15.00'	549.36
C	19+67.21	15.00'	549.57
D	19+77.21	15.00'	549.71

CENTERLINE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
A	19+47.21	0.00'	549.35
B	19+57.21	0.00'	549.58
C	19+67.21	0.00'	549.78
D	19+77.21	0.00'	549.94



PLAN

RIGHT EDGE OF CURB

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	19+47.21	15.00'	549.05
B	19+57.21	15.00'	549.28
C	19+67.21	15.00'	549.49
D	19+77.21	15.00'	549.71

RIGHT EDGE OF APPROACH PAVEMENT

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	19+47.21	20.92'	549.64
B	19+57.21	20.92'	550.06
C	19+67.21	20.92'	550.25
D	19+77.21	20.92'	550.47

NOTE:

Contractor shall reference roadway plan sheet "Approach Slab Elevations & Grades" on sheet 16 of 49 for specific top of concrete elevation layout and roadway plan sheet elevations shall take precedence.

LEFT EDGE OF APPROACH PAVEMENT

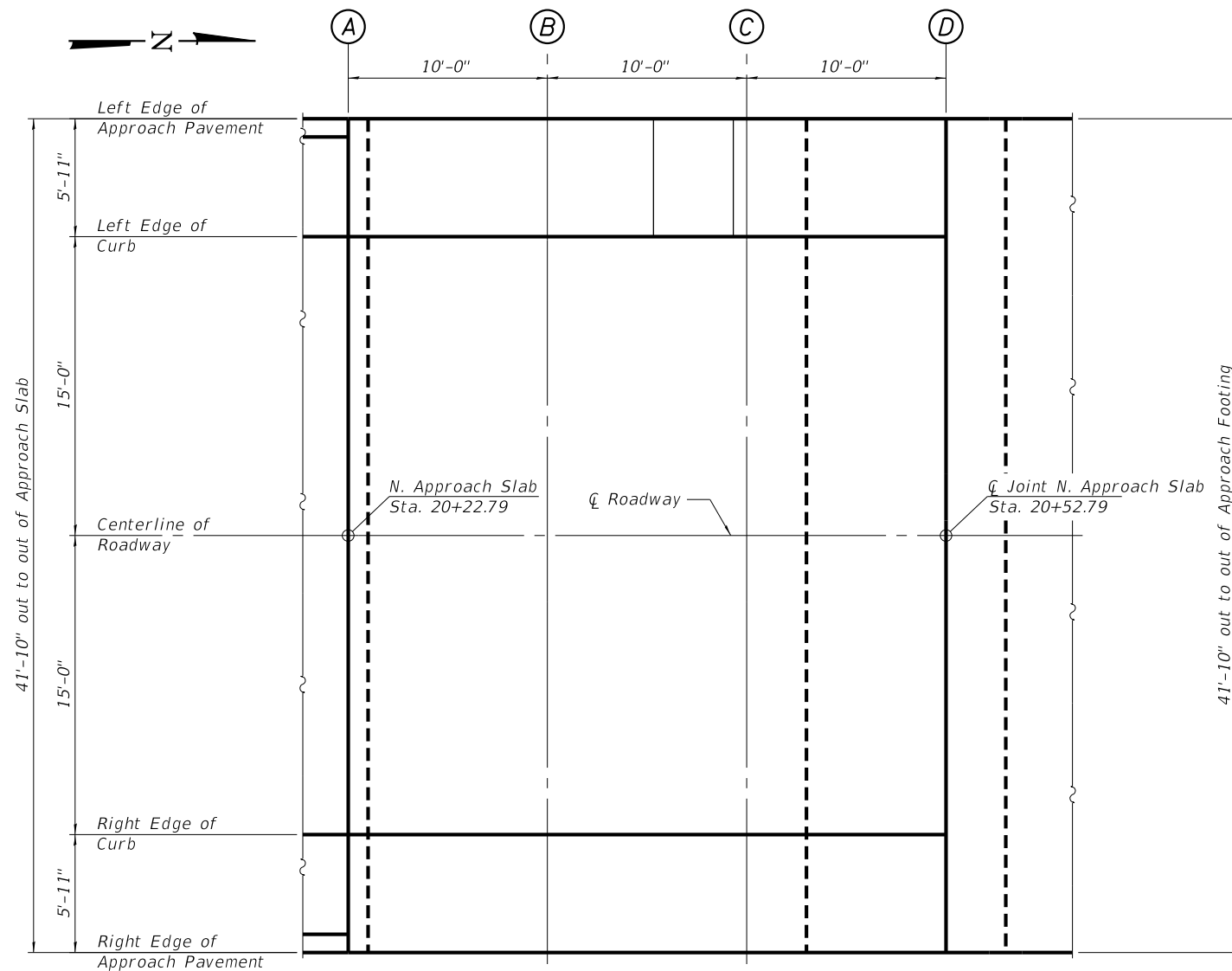
Location	Station	Offset Lt.	Theoretical Grade Elevations
A	20+22.79	20.92'	550.61
B	20+32.79	20.92'	550.14
C	20+42.79	20.92'	549.88
D	20+52.79	20.92'	549.74

LEFT EDGE OF CURB

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	20+22.79	15.00'	549.85
B	20+32.79	15.00'	549.71
C	20+42.79	15.00'	549.56
D	20+52.79	15.00'	549.37

CENTERLINE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
A	20+22.79	0.00'	550.08
B	20+32.79	0.00'	549.98
C	20+42.79	0.00'	549.84
D	20+52.79	0.00'	549.67



PLAN

RIGHT EDGE OF CURB

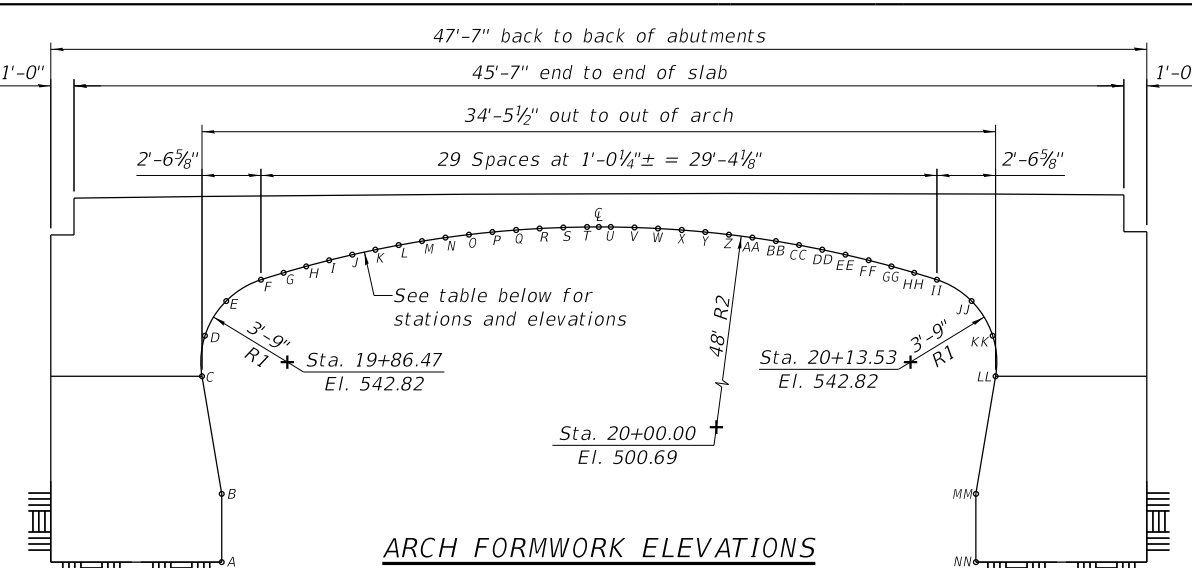
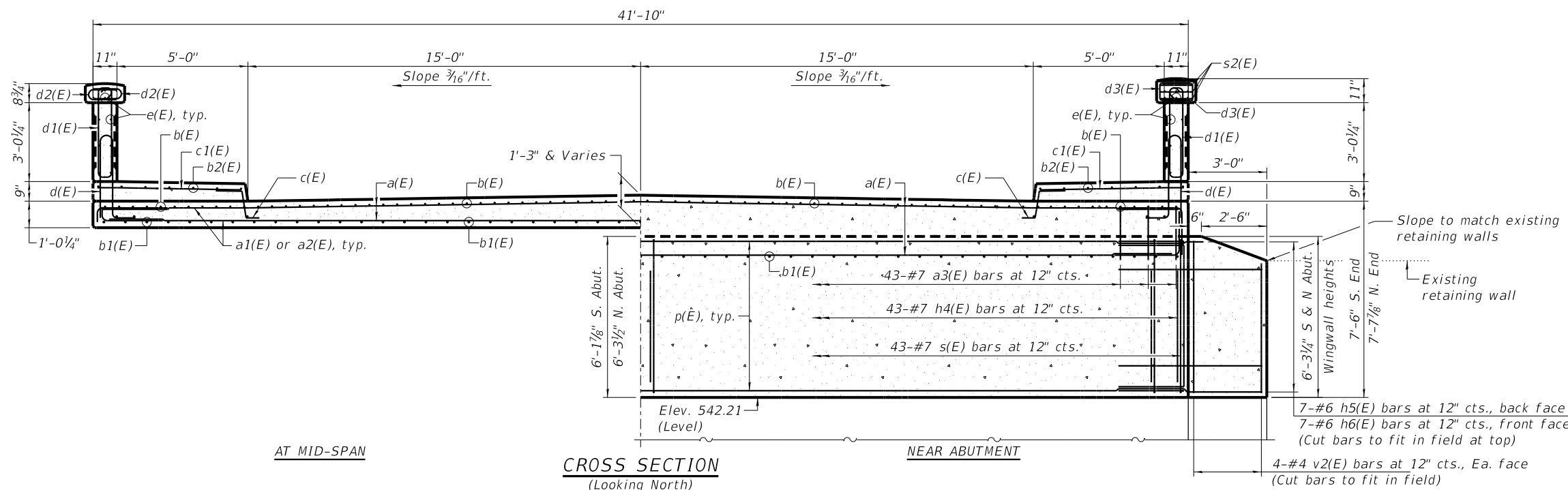
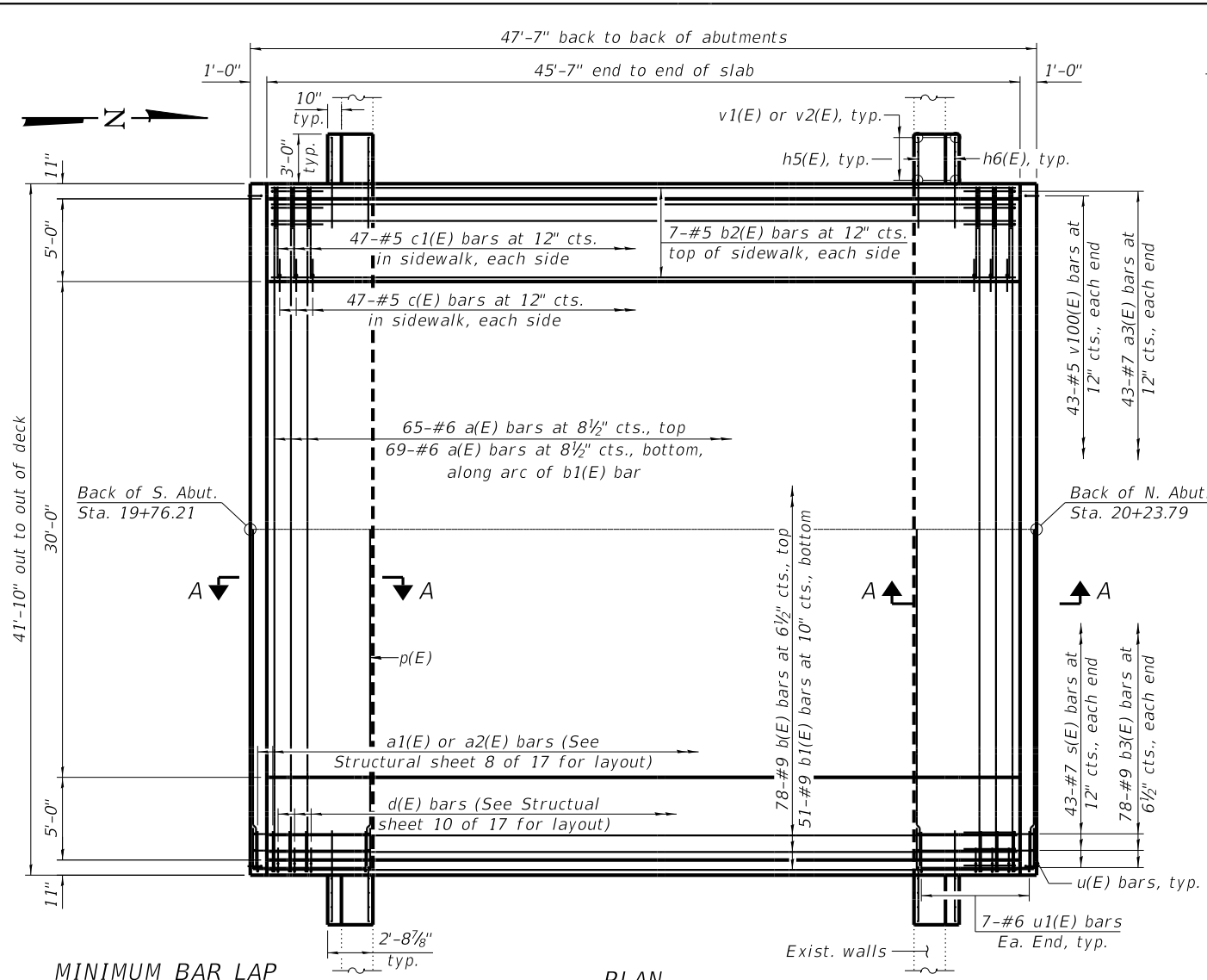
Location	Station	Offset Rt.	Theoretical Grade Elevations
A	20+22.79	15.00'	549.85
B	20+32.79	15.00'	549.68
C	20+42.79	15.00'	549.54
D	20+52.79	15.00'	549.37

RIGHT EDGE OF APPROACH PAVEMENT

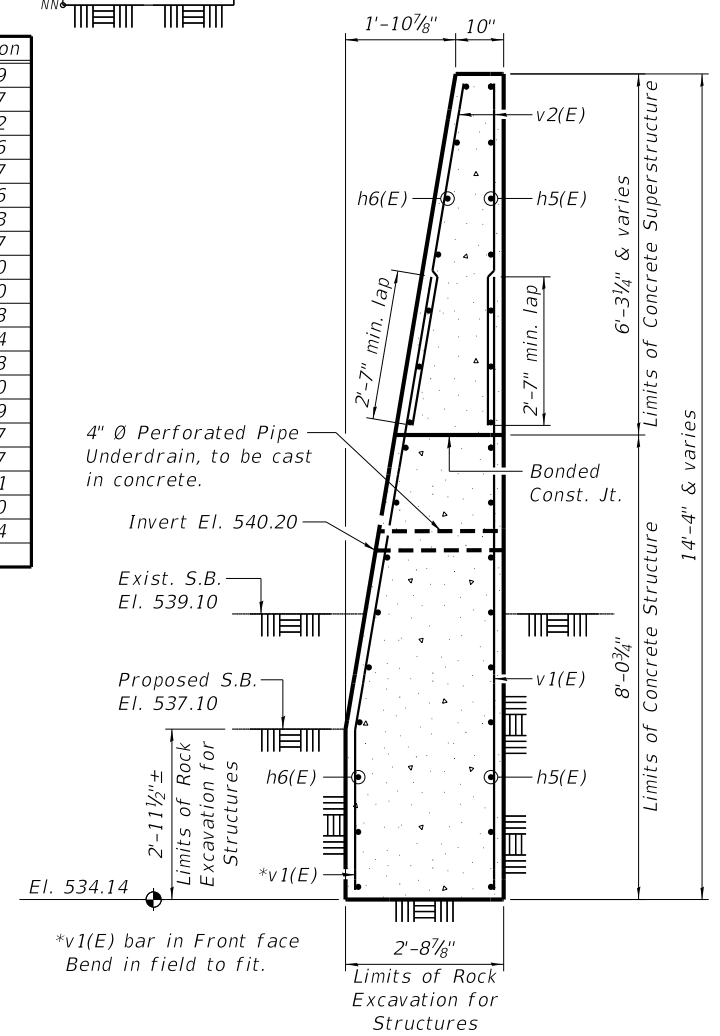
Location	Station	Offset Rt.	Theoretical Grade Elevations
A	20+22.79	20.92'	550.61
B	20+32.79	20.92'	550.44
C	20+42.79	20.92'	550.30
D	20+52.79	20.92'	549.96

NOTE:

Contractor shall reference roadway plan sheet "Approach Slab Elevations & Grades" on sheet 16 of 49 for specific top of concrete elevation layout and roadway plan sheet elevations shall take precedence.



Location	Station	Elevation	Location	Station	Elevation
A	19+83.63	534.14	U	20+00.51	548.69
B	19+83.63	537.10	V	20+01.54	548.67
C	19+82.77	542.21	W	20+02.57	548.62
D	19+82.90	543.97	X	20+03.60	548.56
E	19+83.82	545.47	Y	20+04.62	548.47
F	19+85.33	546.39	Z	20+05.64	548.36
G	19+86.31	546.70	AA	20+06.66	548.23
H	19+87.30	546.98	BB	20+07.68	548.07
I	19+88.29	547.24	CC	20+08.69	547.90
J	19+89.29	547.48	DD	20+09.70	547.70
K	19+90.30	547.70	EE	20+10.71	547.48
L	19+91.31	547.90	FF	20+11.71	547.24
M	19+92.32	548.07	GG	20+12.70	546.98
N	19+93.34	548.23	HH	20+13.69	546.70
O	19+94.36	548.36	II	20+14.67	546.39
P	19+95.38	548.47	JJ	20+15.68	545.47
Q	19+96.40	548.56	KK	20+16.67	543.97
R	19+97.43	548.62	LL	20+17.23	542.21
S	19+98.46	548.67	MM	20+16.37	537.10
T	19+99.49	548.69	NN	20+16.37	534.14
℄	20+00.00	548.69			



NOTES:
See Structural Sheet 9 of 17 for Section A-A, Superstructure details, Sidewalk reinforcement, and Bill of Material.
See Structural Sheet 10 & 11 of 17 for Concrete Bridge Railing reinforcement, details and Bill of Material.
See Structural Sheet 8 & 16 of 17 for Wingwall Concrete and Reinforcement Bill of Materials.



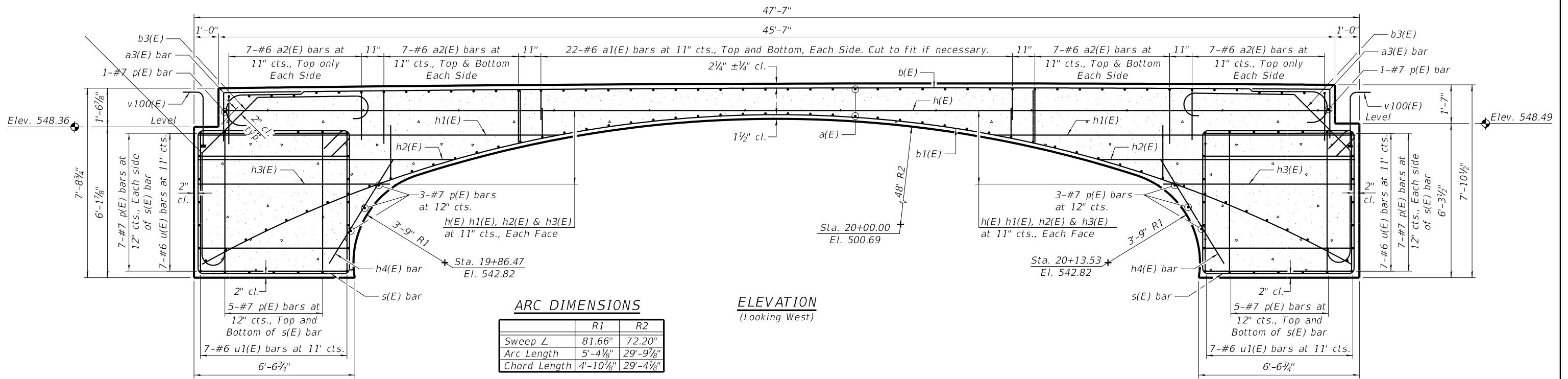
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO. 099-6480**

STRUCTURAL SHEET NO. 7 OF 17 SHEETS

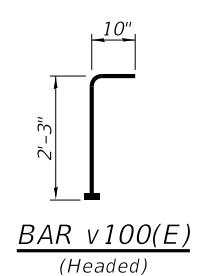
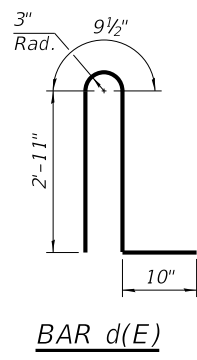
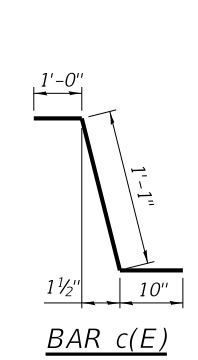
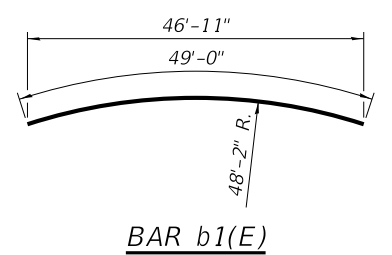
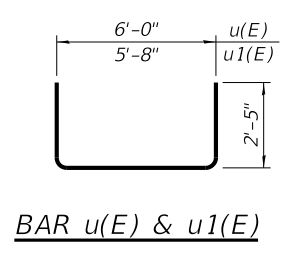
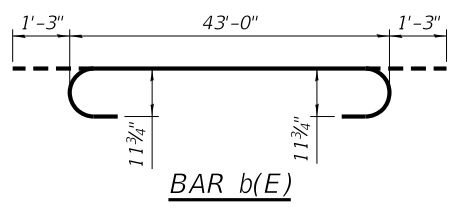
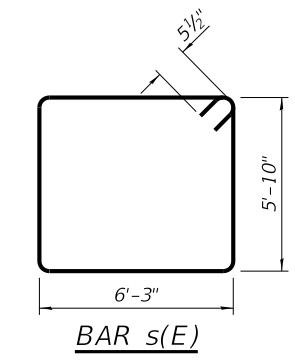
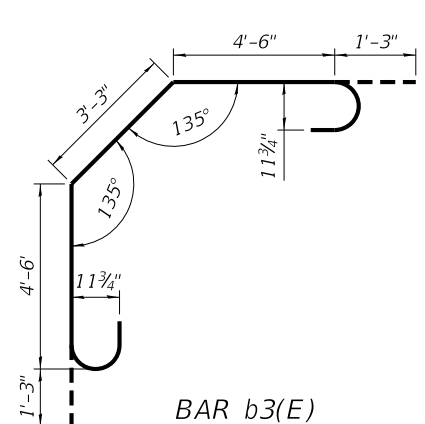
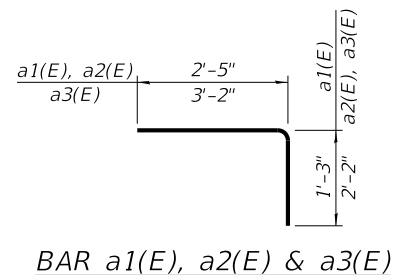
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1083	11-00443-00-BR	WILL	50	31
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



ARC DIMENSIONS

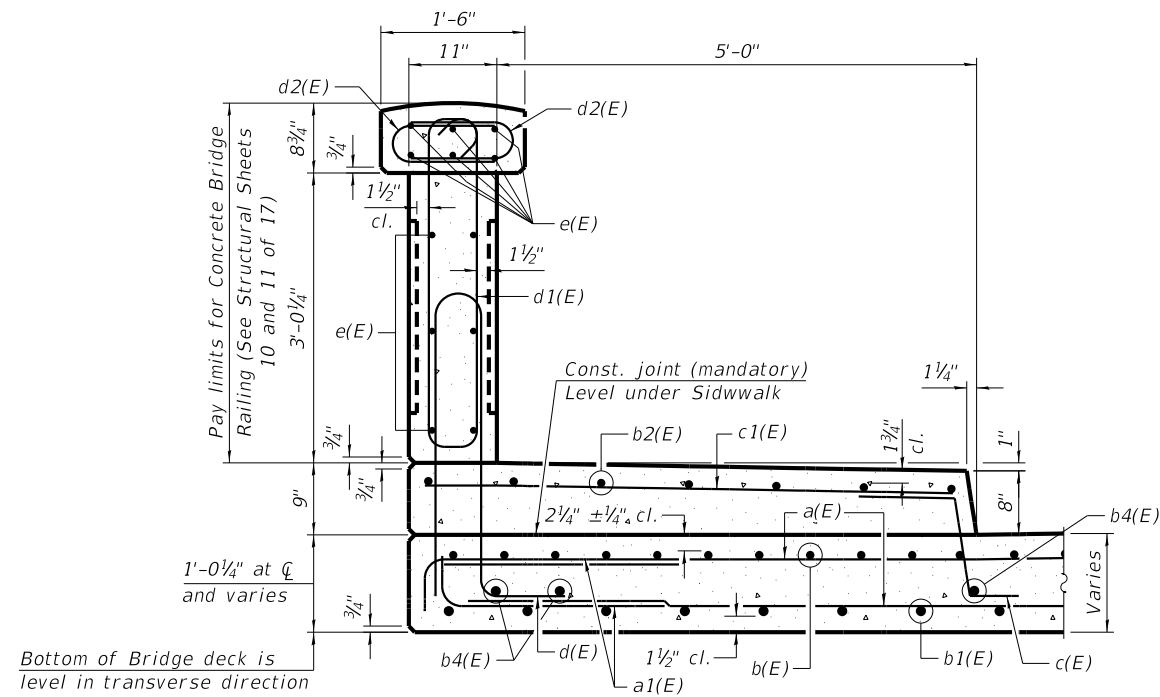
	R1	R2
Sweep \angle	81.66°	72.20°
Arc Length	5'-4 1/8"	29'-9 7/8"
Chord Length	4'-10 7/8"	29'-4 1/8"

ELEVATION
(Looking West)

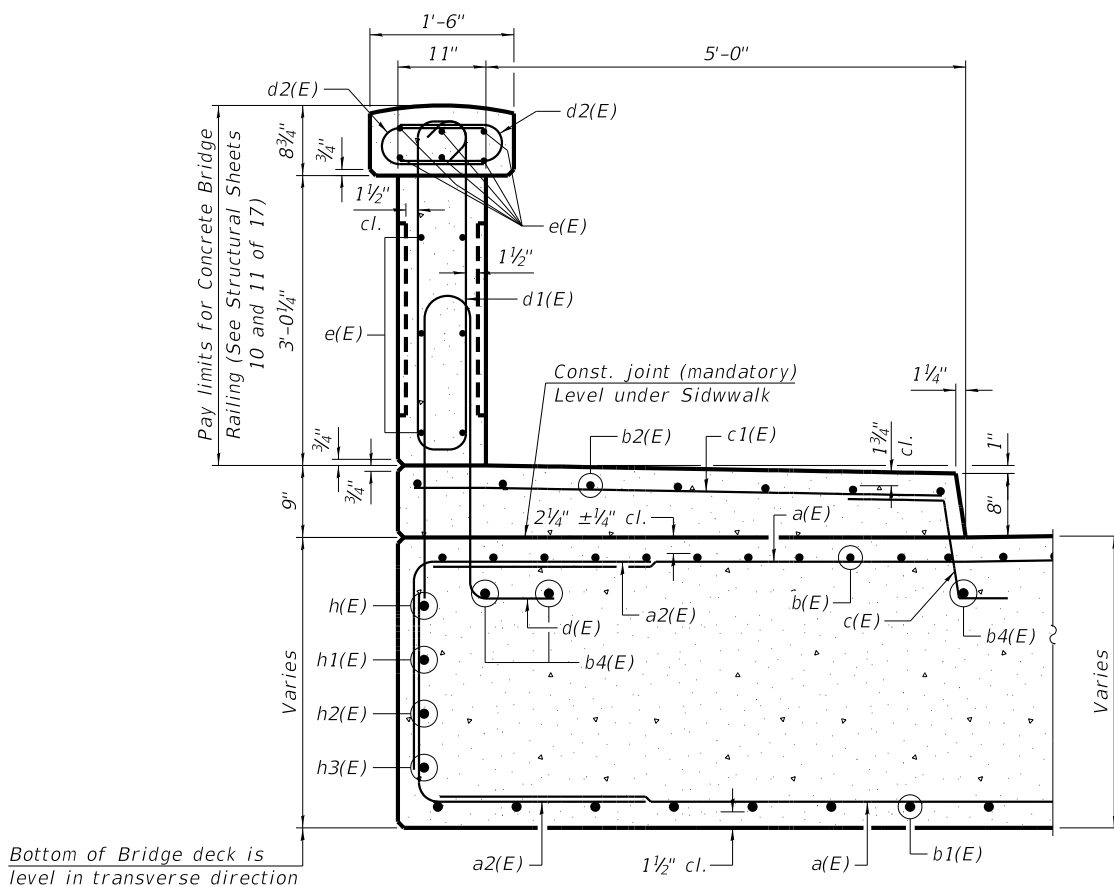


**SUPERSTRUCTURE
BILL OF MATERIAL**

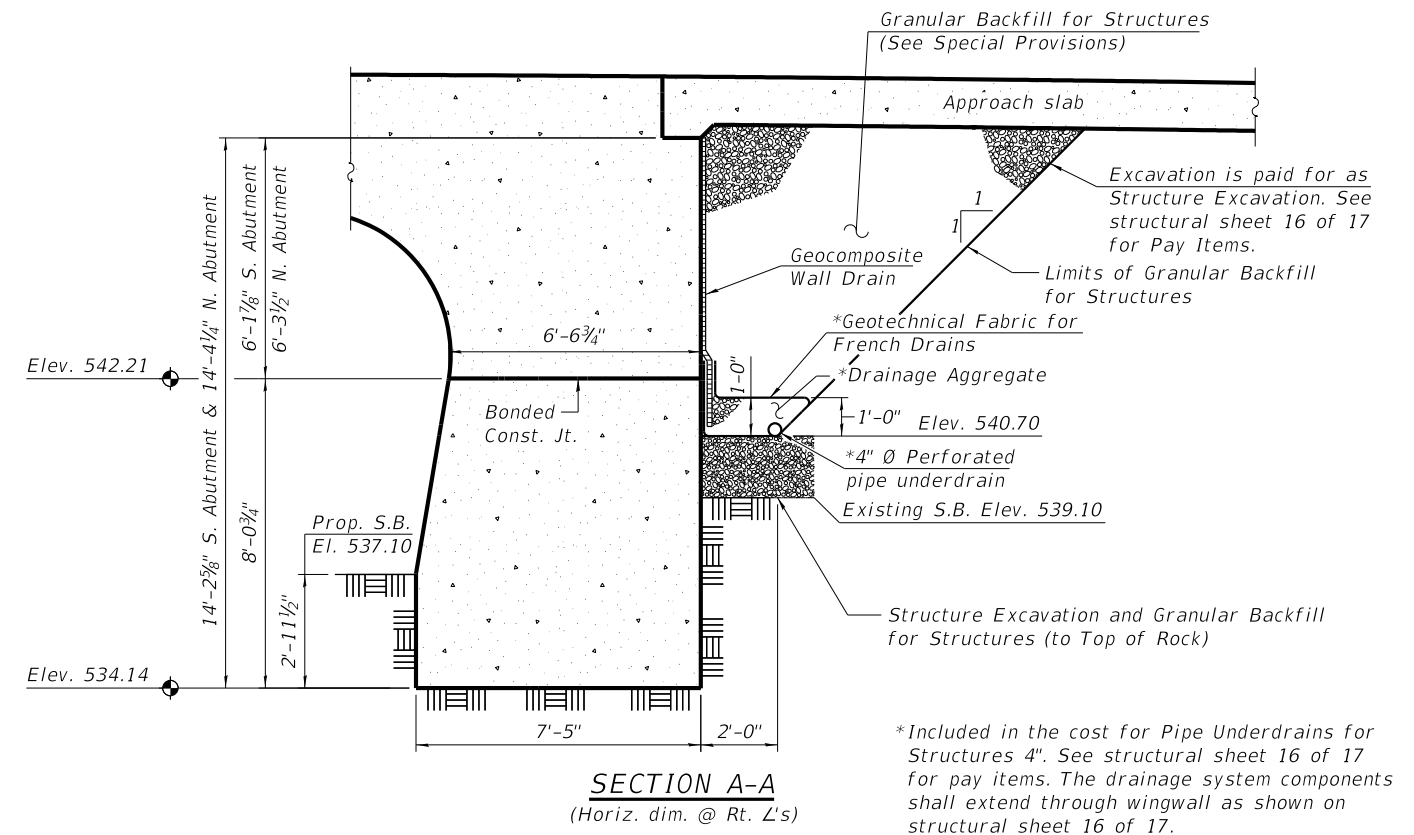
Bar	No.	Size	Length	Shape
a(E)	134	#6	41'-6"	—
a1(E)	88	#6	3'-8"	—
a2(E)	84	#6	4'-7"	—
a3(E)	86	#7	5'-4"	—
b(E)	78	#9	45'-6"	—
b1(E)	51	#9	49'-0"	—
b2(E)	14	#5	45'-3"	—
b3(E)	156	#9	14'-9"	—
b4(E)	6	#6	45'-3"	—
c(E)	94	#5	2'-11"	—
c1(E)	94	#5	5'-6"	—
d(E)	100	#5	7'-5"	—
h(E)	2	#6	45'-3"	—
h1(E)	4	#6	14'-1"	—
h2(E)	4	#6	9'-11"	—
h3(E)	4	#6	6'-11"	—
h4(E)	86	#7	5'-0"	—
h5(E)	28	#6	7'-11"	—
h6(E)	28	#6	5'-11"	—
p(E)	56	#7	41'-6"	—
s(E)	86	#7	25'-1"	—
u(E)	28	#6	10'-10"	—
u1(E)	28	#6	10'-6"	—
v2(E)	32	#4	5'-10"	—
v100(E)	86	#5	3'-1"	—
Concrete Superstructure		Cu. Yd.	307.6	
Reinforcement Bars, Epoxy Coated		Pound	53,650	
Bridge Deck Grooving		Sq. Yd.	142	
Protective Coat		Sq. Yd.	261	



SECTION THRU SIDEWALK AT CENTER



SECTION THRU SIDEWALK NEAR ABUTMENT

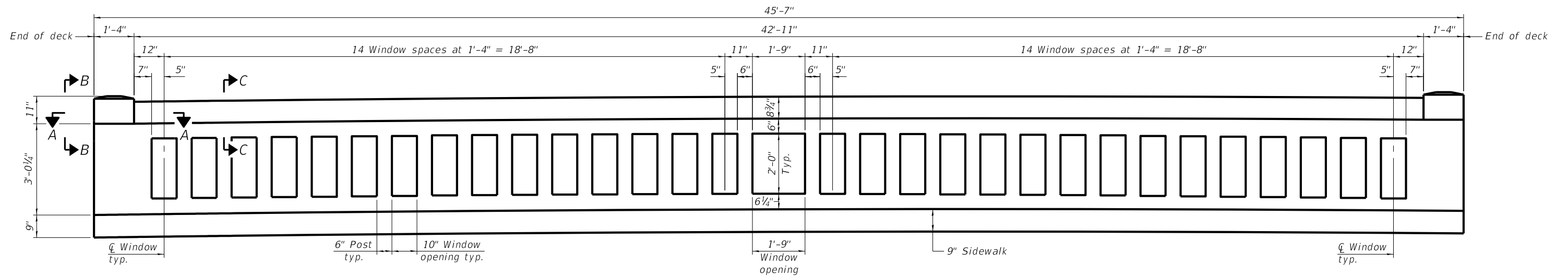


SECTION A-A
(Horiz. dim. @ Rt. L's)

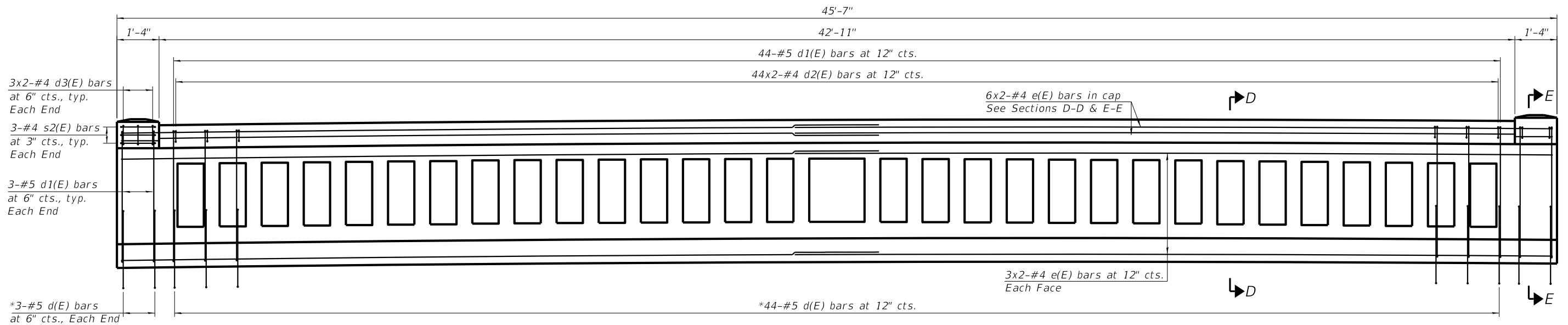
*Included in the cost for Pipe Underdrains for Structures 4". See structural sheet 16 of 17 for pay items. The drainage system components shall extend through wingwall as shown on structural sheet 16 of 17.

USER NAME =	DESIGNED - JKP	REVISED -
PLOT SCALE =	CHECKED - PLP	REVISED -
PLOT DATE =	DRAWN - FDL	REVISED -
	CHECKED - PLP	REVISED -

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	33
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



INSIDE ELEVATION OF RAILING
(Showing Dimensions)



INSIDE ELEVATION OF RAILING
(Showing Reinforcement)

* d(E) bars included in Superstructure Bill of Material.

MINIMUM BAR LAP
#4 bar = 2'-8"

(Sheet 1 of 2)



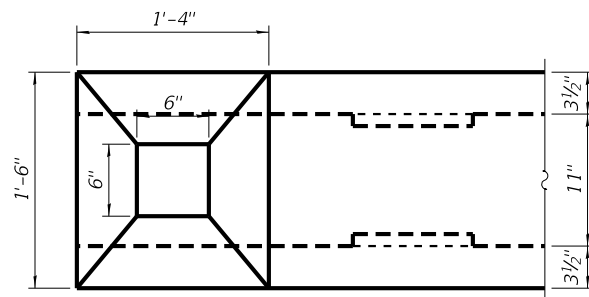
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

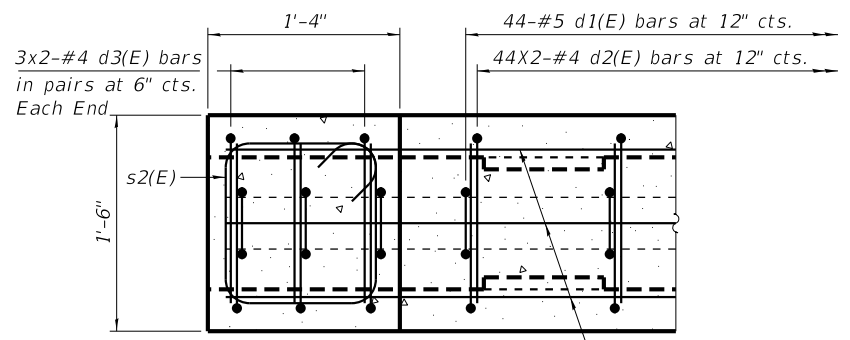
CONCRETE BRIDGE RAILING
STRUCTURE NO. 099-6480

STRUCTURAL SHEET NO. 10 OF 17 SHEETS

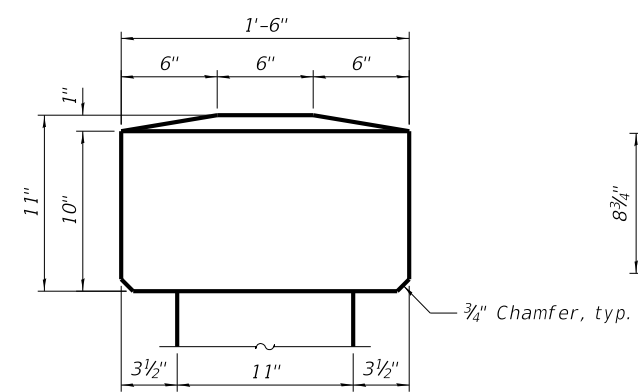
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1083	11-00443-00-BR	WILL	50	34
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



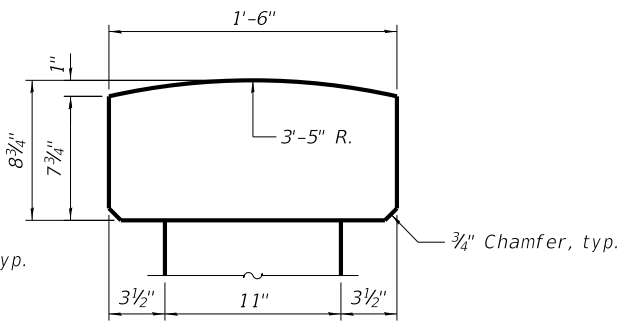
SECTION A-A
(Showing Dimensions)



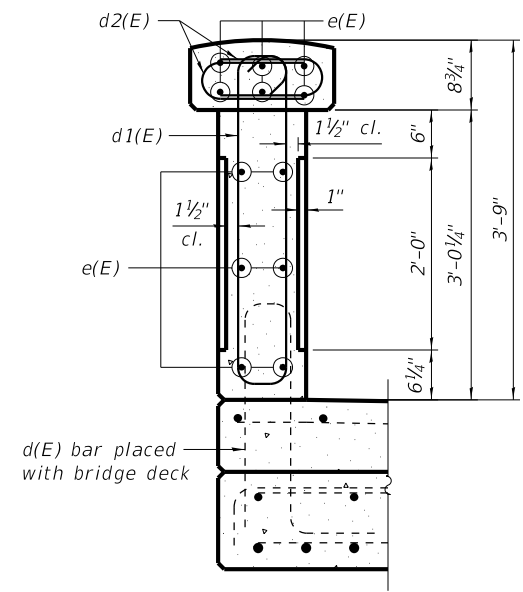
SECTION A-A
(Showing Reinforcement)



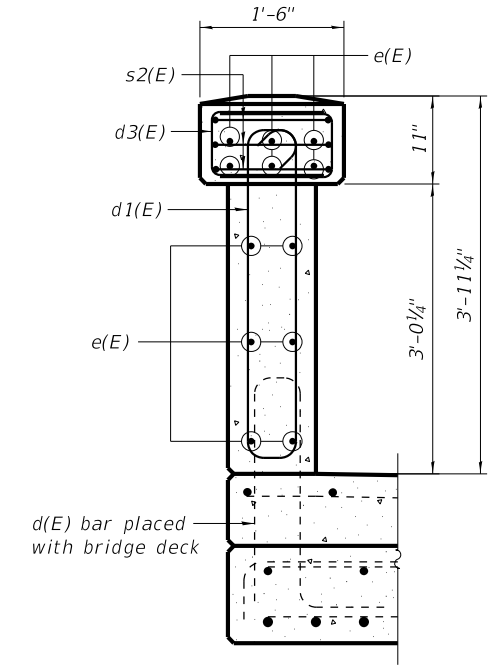
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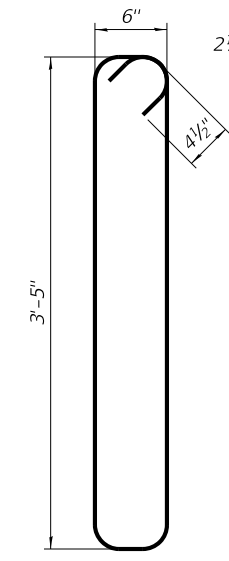
SECTION C-C



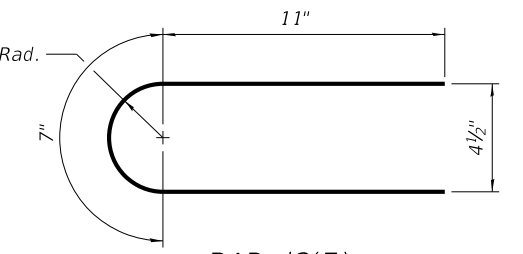
SECTION D-D



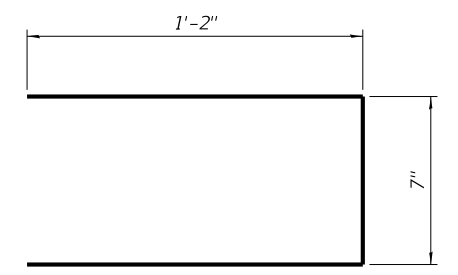
SECTION E-E



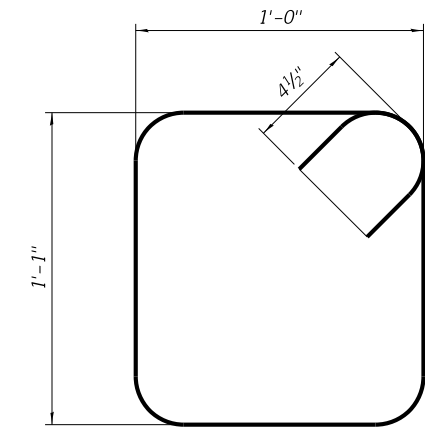
BAR d1(E)



BAR d2(E)



BARS d3(E)



BAR s2(E)

**TWO RAILINGS
BAR LIST**
(For information only)

Bar	No.	Size	Length	Shape
d1(E)	100	#5	8'-7"	⊖
d2(E)	176	#4	2'-5"	⊖
d3(E)	24	#4	2'-11"	⊖
e(E)	48	#4	24'-0"	—
s2(E)	12	#4	4'-11"	⊖

Notes:
All concrete for railing wall shall be Class BS according to Art. 1020.04 of the Standard Specifications. Surface of railing shall receive a rubbed finish according to Art. 503.15(b) of the Standard Specifications.

All parts of the railing including concrete and reinforcing will be paid for at the contract unit price per foot for Concrete Bridge Railing.

Holes and recesses must be formed or cored. Drilling is not permitted.

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Bridge Railing	Foot	91

(Sheet 2 of 2)

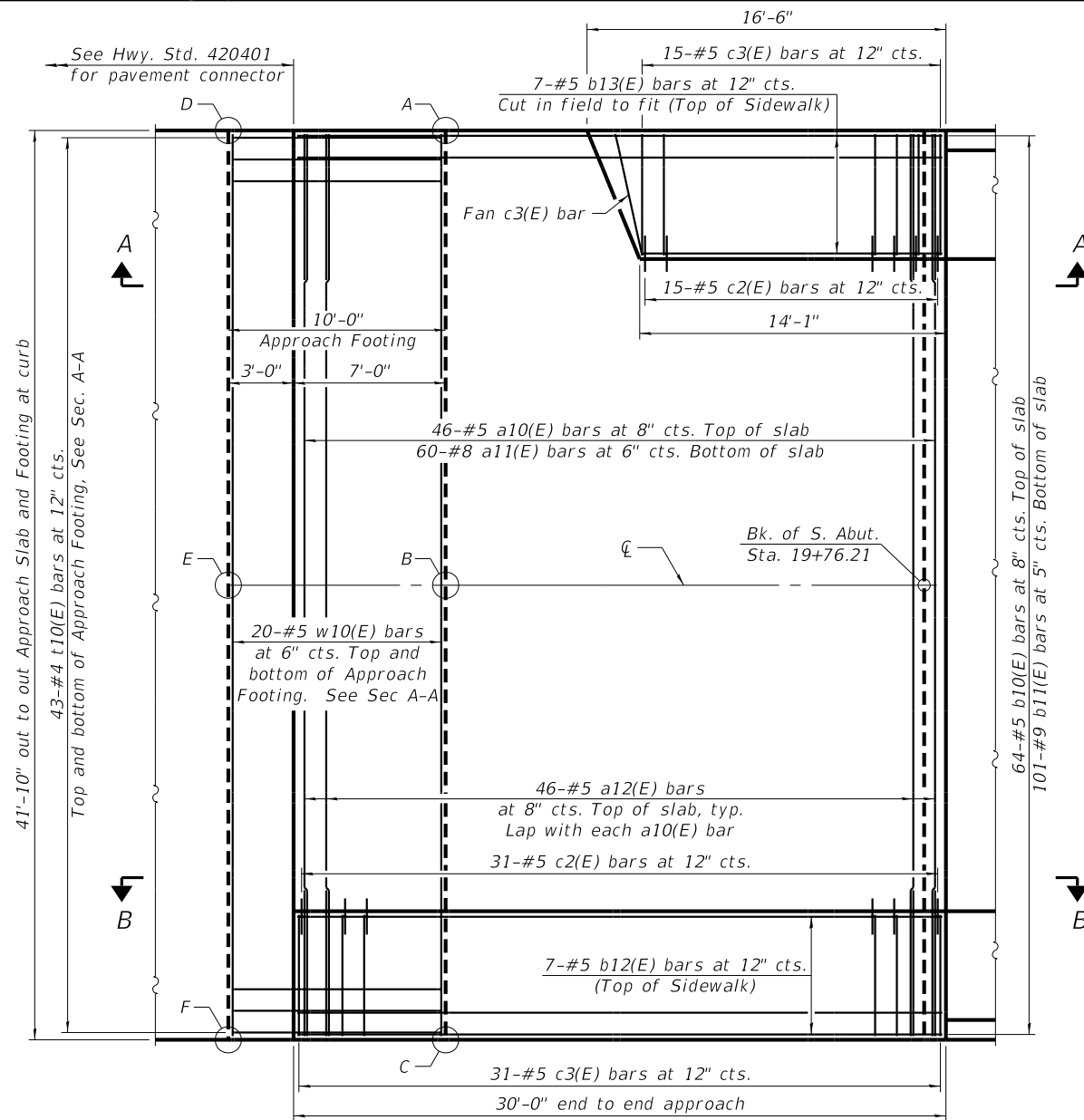
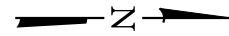


USER NAME =	DESIGNED - JKP	REVISED -
PLOT SCALE =	CHECKED - SM	REVISED -
PLOT DATE =	DRAWN - FDL	REVISED -
	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE BRIDGE RAILING
STRUCTURE NO. 099-6480**
STRUCTURAL SHEET NO. 11 OF 17 SHEETS

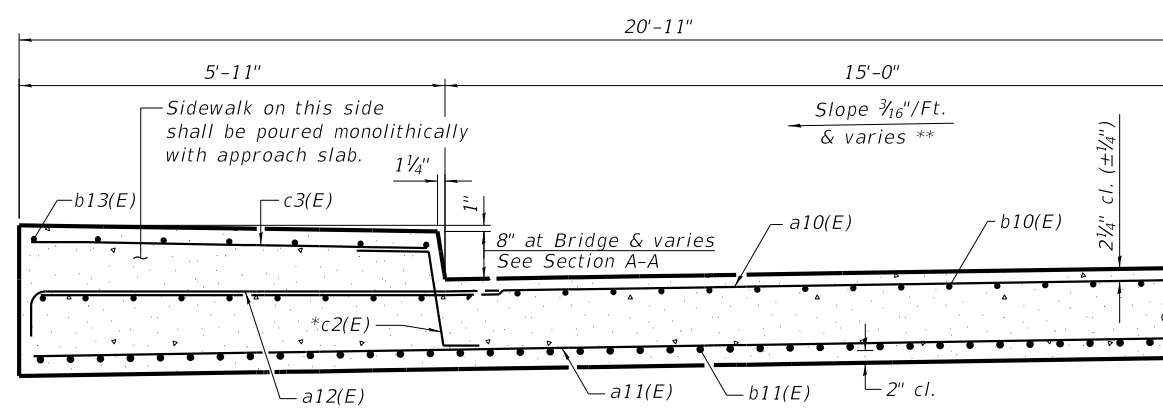
M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 35
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				



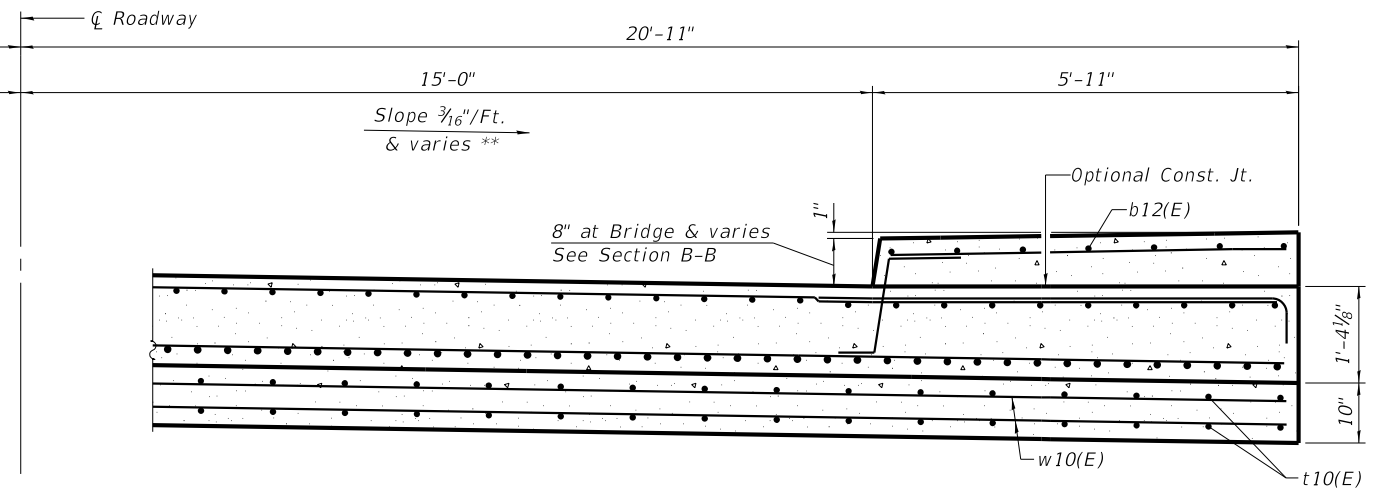
PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	South Approach	
	Top	Bottom
A	547.84	547.01
B	548.26	547.43
C	547.84	547.01
D	547.58	546.75
E	548.00	547.17
F	547.58	546.75



NEAR ABUTMENT



CROSS SECTION (Looking North)

AT APPROACH FOOTING

(Sheet 1 of 2)



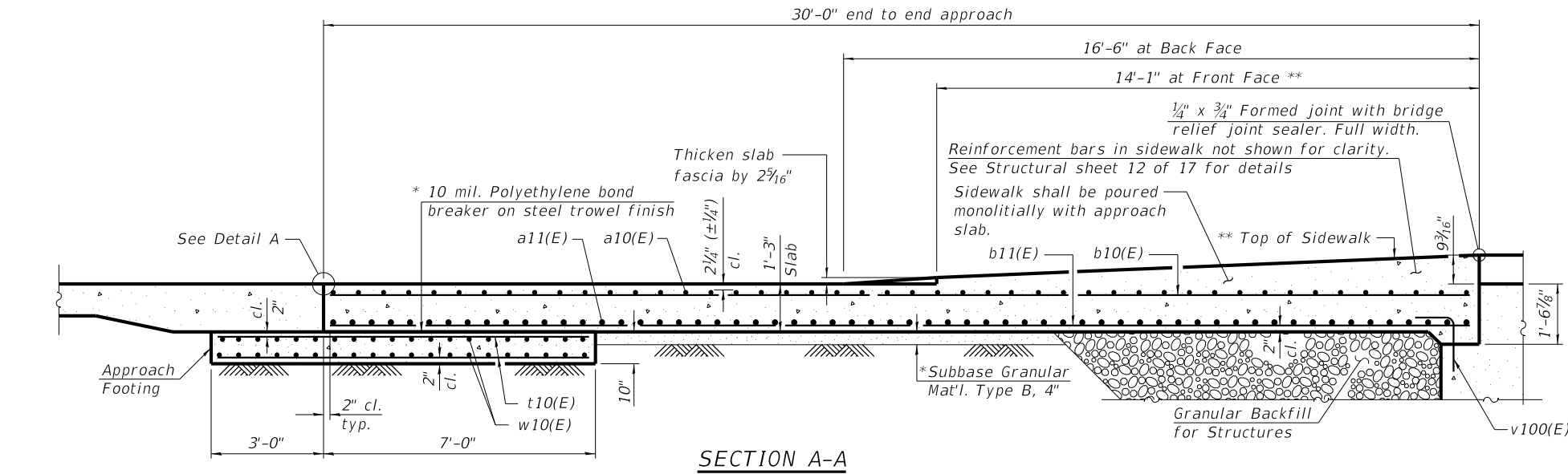
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	CHECKED - SM	REVISED -
PLOT SCALE =	DRAWN - FDL	REVISED -
PLOT DATE =	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 099-6480**

STRUCTURAL SHEET NO. 12 OF 17 SHEETS

M.S. RTE. 1083	SECTION 11-00443-00-BR	COUNTY WILL	TOTAL SHEETS 50	SHEET NO. 36
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



NOTES

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Approach slab and sidewalk shall be paid for as Concrete Superstructure (Approach Slab).

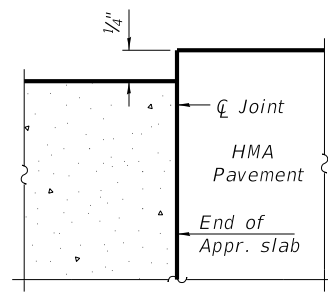
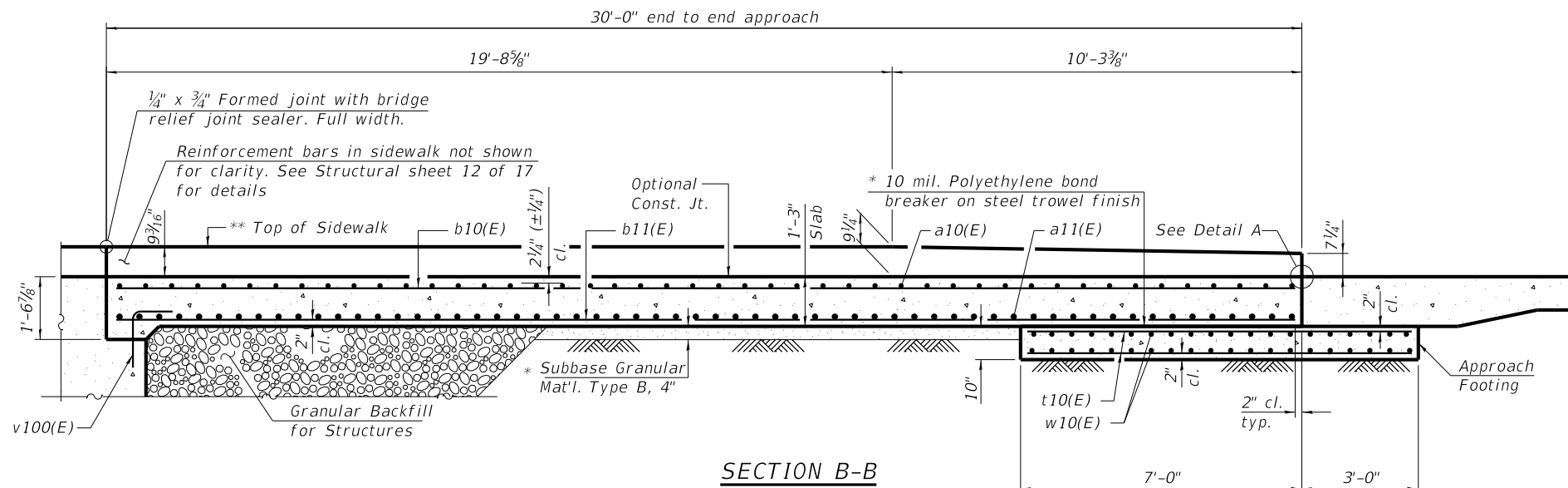
Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheets 9 & 16 of 17.

For railing details, see structural sheets 10 & 11 of 17.

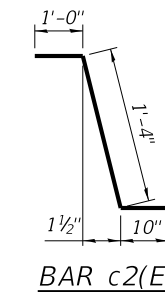


FLEXIBLE PAVEMENT

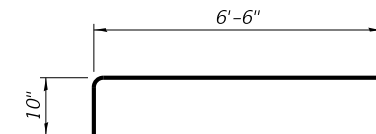
DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

** Top of Sidewalk shown at fascia side of bridge, See sheet 14 of 49 for elevation.



BAR c2(E)



BAR a12(E)

**SOUTH APPROACH
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	46	#5	41'-6"	—
a11(E)	60	#8	41'-6"	—
a12(E)	46	#5	7'-4"	┌
b10(E)	64	#5	29'-8"	—
b11(E)	101	#9	29'-8"	—
b12(E)	7	#5	29'-8"	—
b13(E)	7	#5	16'-1"	—
c2(E)	46	#5	3'-2"	┌
c3(E)	47	#5	5'-6"	—
t10(E)	86	#4	9'-8"	—
w10(E)	40	#5	41'-6"	—
Concrete Structures			Cu. Yd.	12.9
Bridge Deck Grooving			Sq. Yd.	94
Protective Coat			Sq. Yd.	144
Concrete Superstructure (Approach Slab)			Cu. Yd.	65.4
Reinforcement Bars, Epoxy Coated			Pound	24,340

(Sheet 2 of 2)



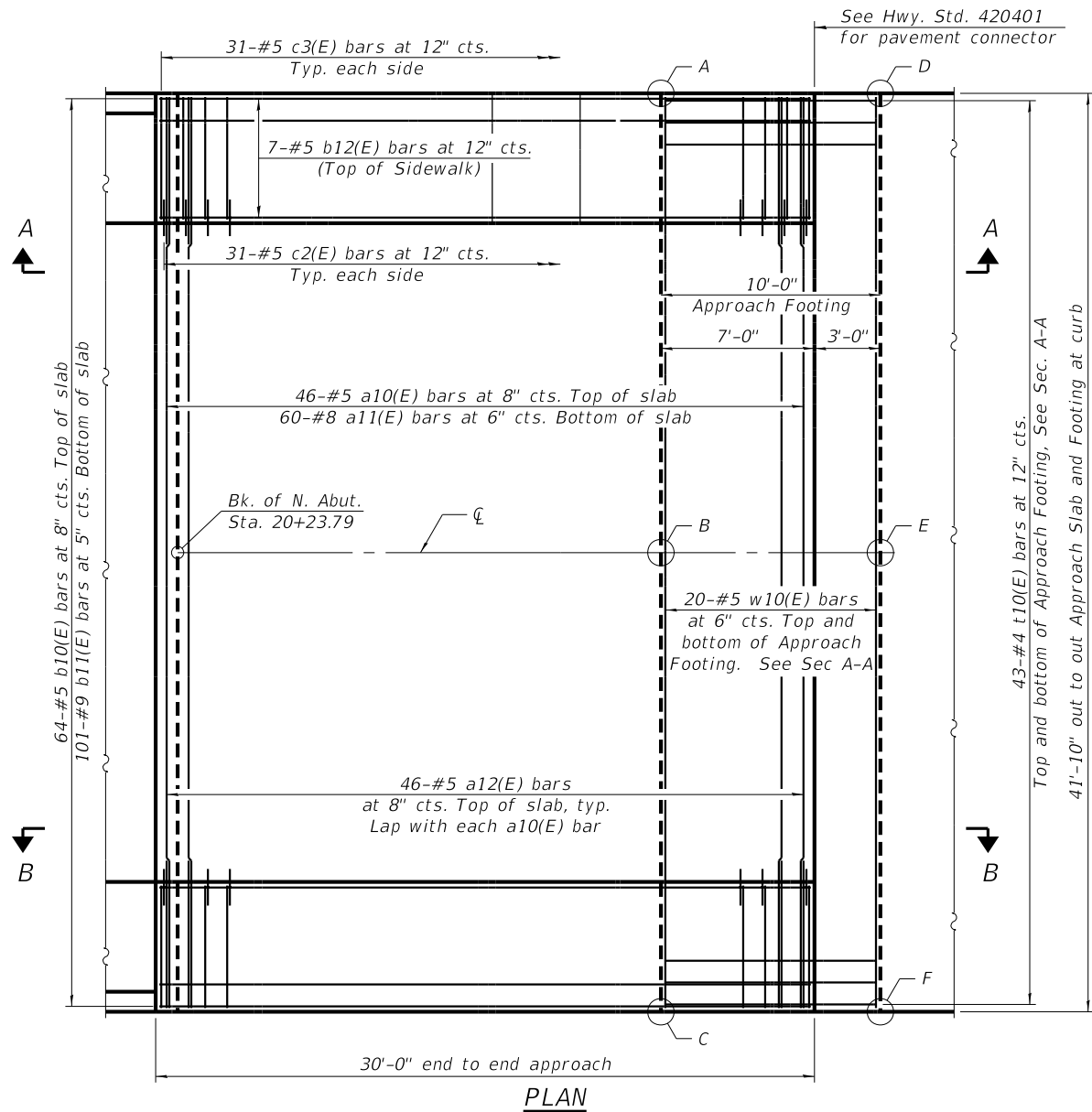
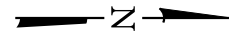
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	CHECKED - SM	REVISED -
PLOT SCALE =	DRAWN - FDL	REVISED -
PLOT DATE =	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 099-6480**

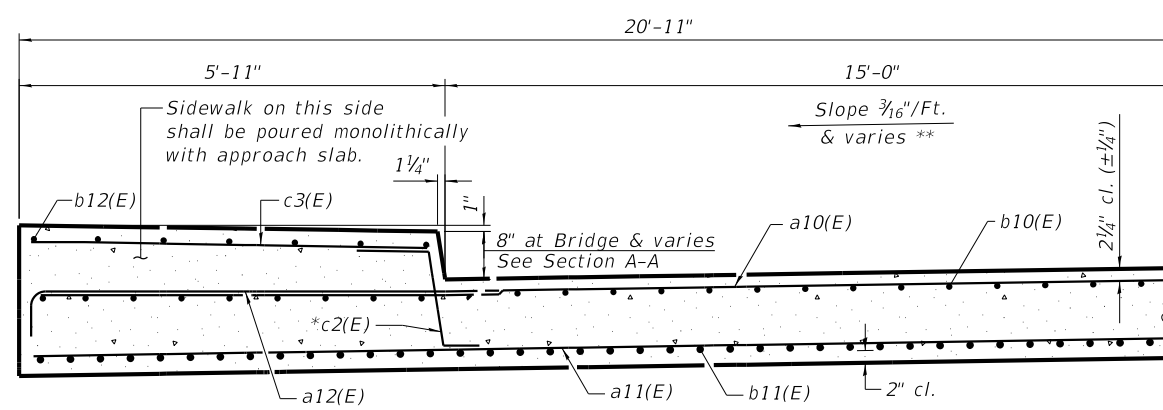
STRUCTURAL SHEET NO. 13 OF 17 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	37
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



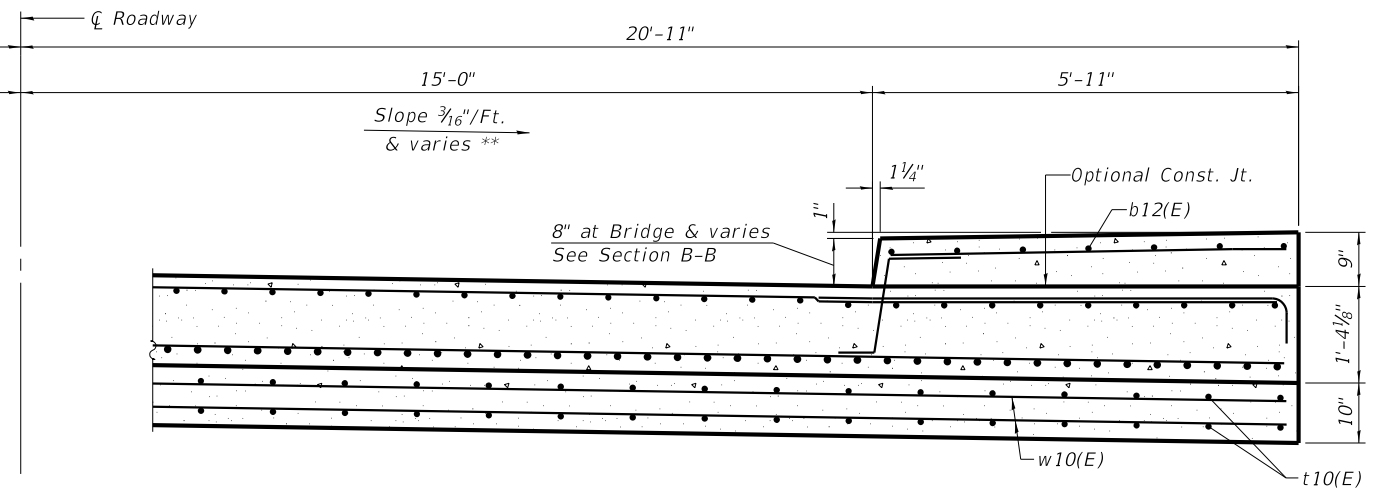
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	North Approach	
	Top	Bottom
A	548.13	547.29
B	548.55	547.71
C	548.13	547.29
D	547.93	547.10
E	548.35	547.52
F	547.93	547.10



* Tilt c2(E) bar as required to fit.
 ** See sheet 14 of 49 of plans.

NEAR ABUTMENT



CROSS SECTION (Looking North)

AT APPROACH FOOTING

(Sheet 1 of 2)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

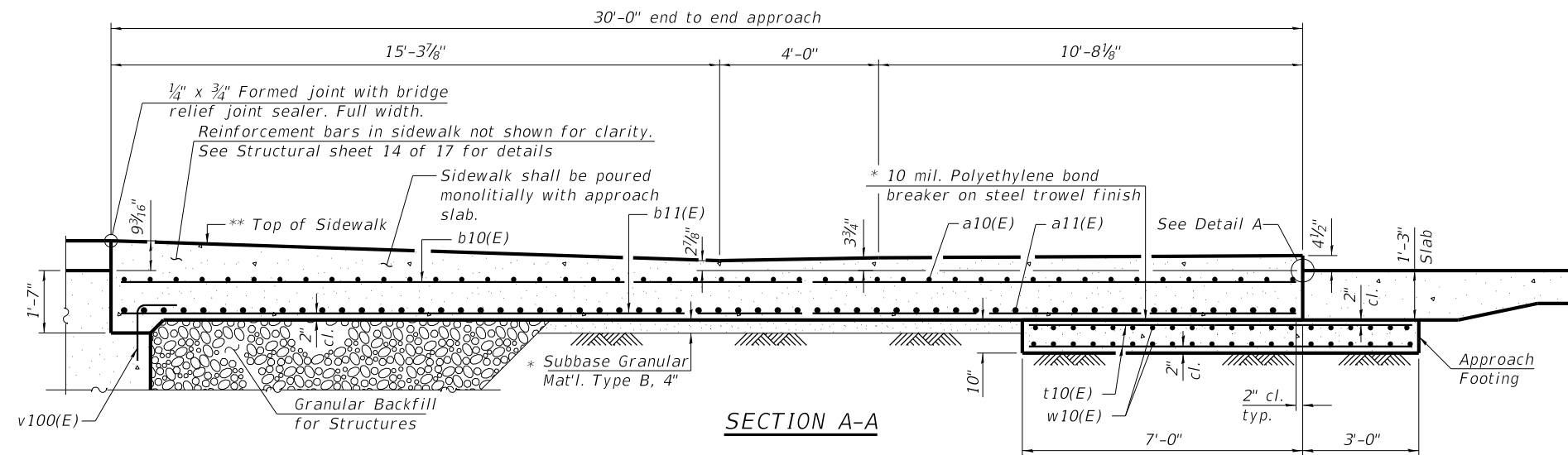
NORTH BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 099-6480

STRUCTURAL SHEET NO. 14 OF 17 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	38
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



USER NAME =	DESIGNED - JKP	REVISED -
PLOT SCALE =	CHECKED - SM	REVISED -
PLOT DATE =	DRAWN - FDL	REVISED -
	CHECKED - PLP	REVISED -



NOTES

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Approach slab and sidewalk shall be paid for as Concrete Superstructure (Approach Slab).

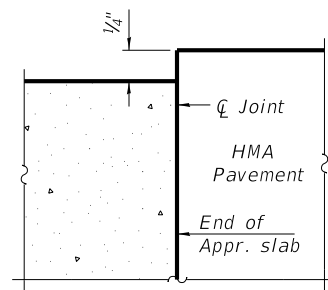
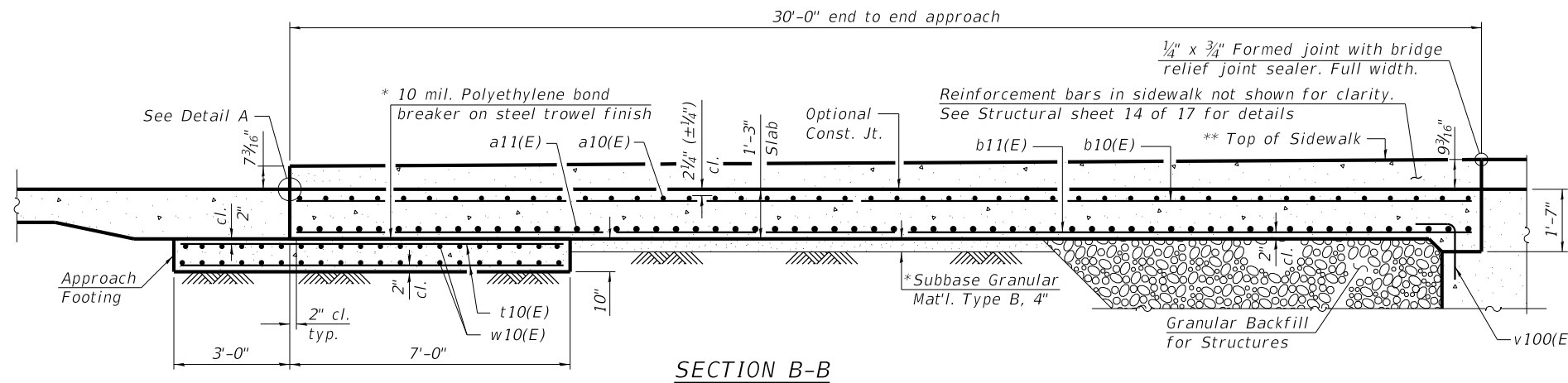
Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet 9 & 16 of 17.

For railing details, see structural sheets 10 & 11 of 17.

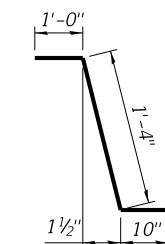


FLEXIBLE PAVEMENT

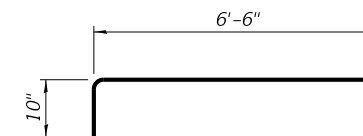
DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

** Top of Sidewalk shown at fascia side of bridge, See sheet 14 of 49 for elevation.



BAR c2(E)

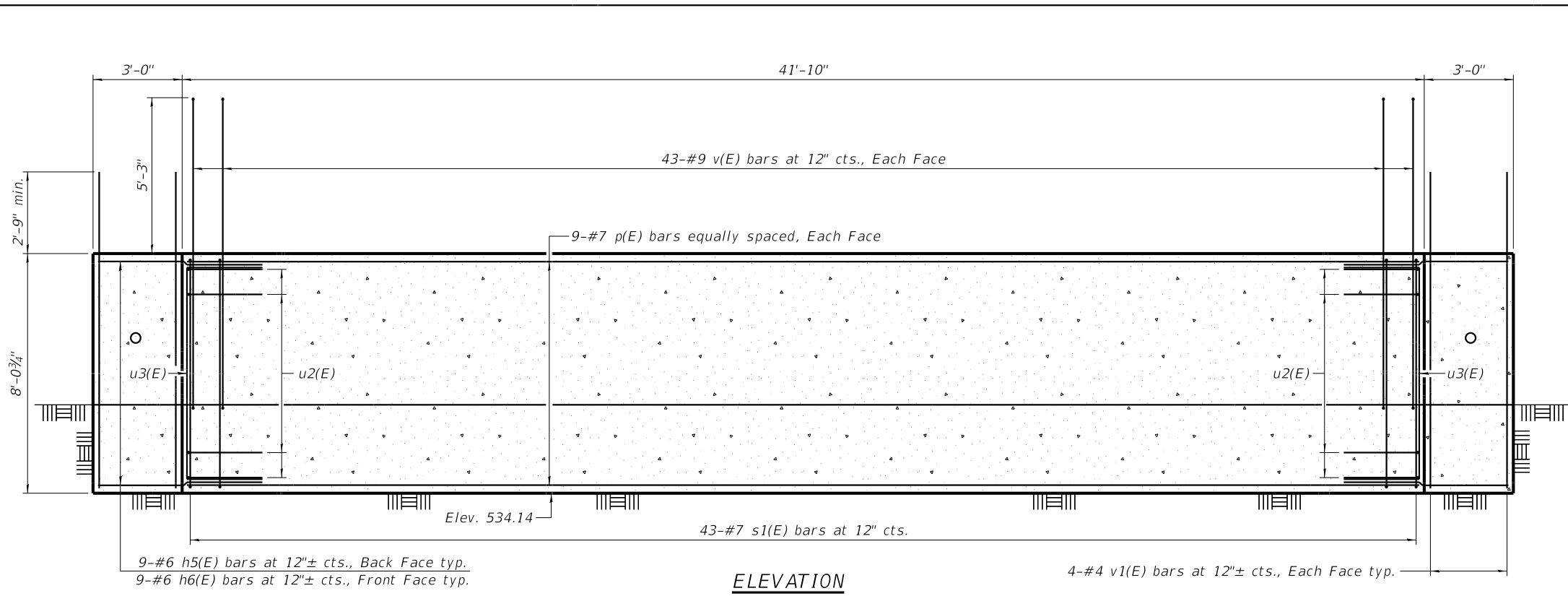


BAR a12(E)

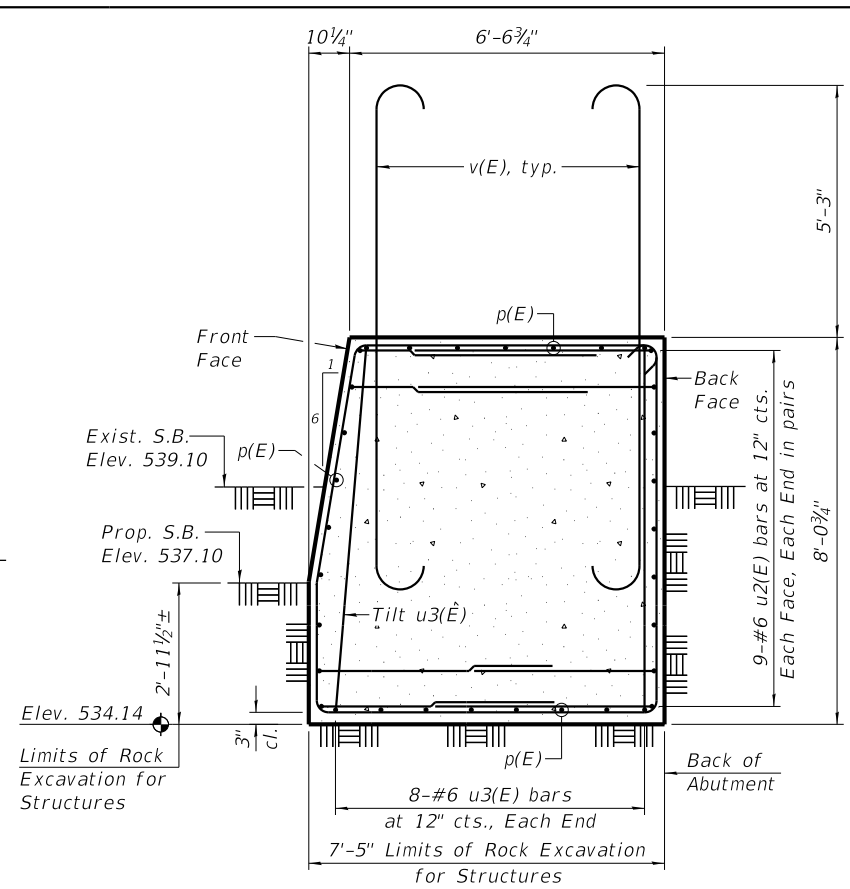
**NORTH APPROACH
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	46	#5	41'-6"	—
a11(E)	60	#8	41'-6"	—
a12(E)	46	#5	7'-4"	U
b10(E)	64	#5	29'-8"	—
b11(E)	101	#9	29'-8"	—
b12(E)	14	#5	29'-8"	—
c2(E)	62	#5	3'-2"	U
c3(E)	62	#5	5'-6"	—
t10(E)	86	#4	9'-8"	—
w10(E)	40	#5	41'-6"	—
Concrete Structures			Cu. Yd.	12.9
Bridge Deck Grooving			Sq. Yd.	94
Protective Coat			Sq. Yd.	144
Concrete Superstructure (Approach Slab)			Cu. Yd.	66.8
Reinforcement Bars, Epoxy Coated			Pound	24,440

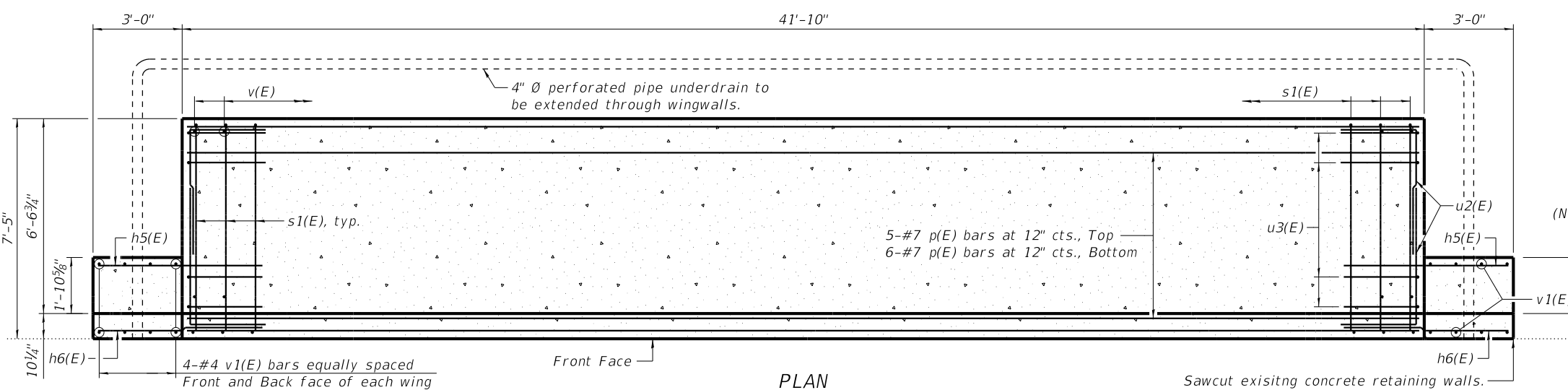
(Sheet 2 of 2)



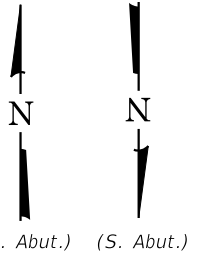
ELEVATION



SEC. THRU ABUT.



PLAN



Sawcut existing concrete retaining walls. Cost included in contract unit price per each for removal of existing structures. Typical four (4) locations.

Existing wingwall Typical Ea. side

**BILL OF MATERIAL
NORTH & SOUTH ABUTMENTS**

Bar	No.	Size	Length	Shape
h5(E)	36	#6	7'-11"	—
h6(E)	36	#6	5'-11"	—
p(E)	58	#7	41'-6"	—
s1(E)	86	#7	29'-7"	□
u2(E)	72	#6	7'-1"	┌
u3(E)	32	#6	12'-4"	┌
v(E)	172	#9	13'-0"	—
v1(E)	32	#4	10'-9"	—
Structure Excavation		Cu. Yd.	272	
Rock Excavation for Structures		Sq. Yd.	71	
Concrete Structures		Cu. Yd.	187.1	
Reinforcement Bars, Epoxy Coated		Pound	20,060	
Granular Backfill for Structures		Cu. Yd.	264	
Geocomposite Wall Drains		Sq. Yd.	113	
Pipe Underdrain for Structures 4"		Foot	130	

NOTE:
See structural sheet 9 of 17 for Geocomposite Wall Drain and 4" Ø Perforated Pipe Underdrain Details.
The abutment maximum applied service bearing pressure (Qmax) = 4.0 ksf.
Pour concrete against in place rock, Do Not Form.
Wingwalls shall be poured monolithically with abutment.



USER NAME =	DESIGNED - JKP	REVISED -
PLOT SCALE =	CHECKED - FDL	REVISED -
PLOT DATE =	DRAWN - MRL	REVISED -
	CHECKED - PLP	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH AND NORTH ABUTMENT DETAILS
STRUCTURE NO. 099-6480**

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	40
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				

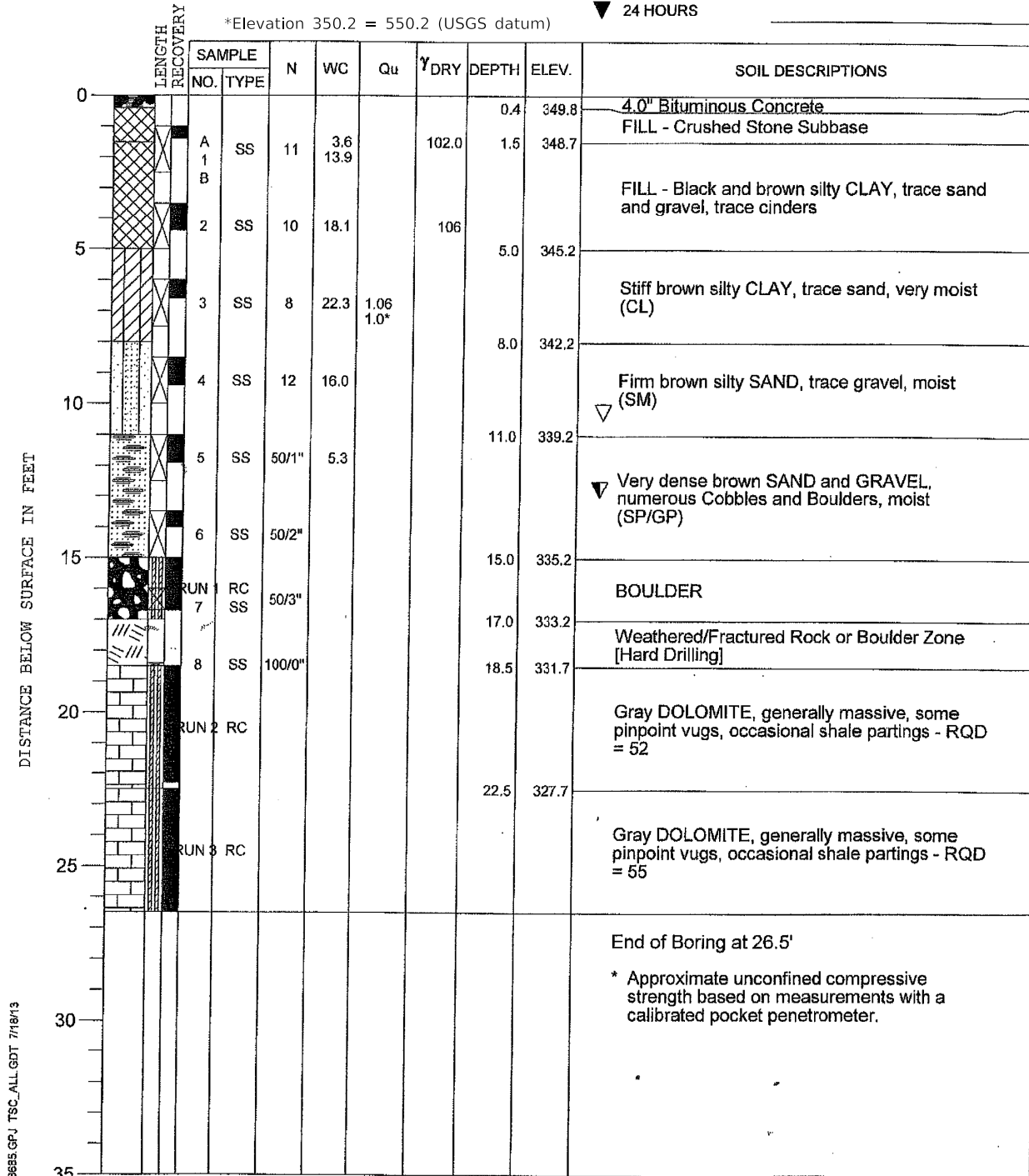
PROJECT **Bridge Replacement over Garnsey Avenue, Sect. 11-0043-00-BR, Joliet, IL**

CLIENT **Willett, Hofmann and Associates, Inc., Dixon, Illinois**

BORING **1** DATE STARTED **7-17-12** DATE COMPLETED **7-17-12** JOB **L-78,685**

ELEVATIONS
 GROUND SURFACE ***350.2**
 END OF BORING **323.7**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **13.0'**
 AT END OF BORING **10.5'**
 24 HOURS



DRILL RIG NO. **334** Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

217

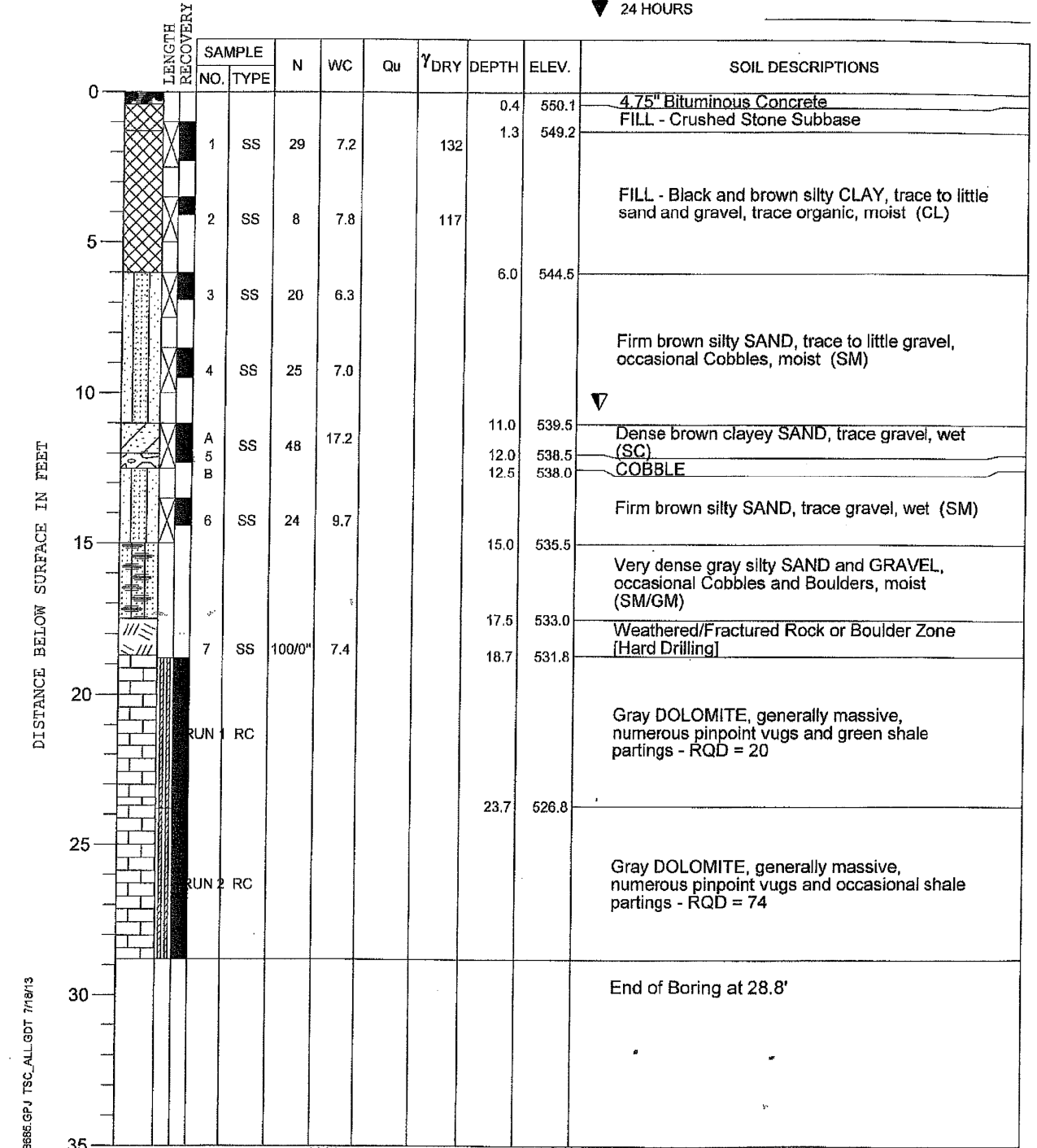
PROJECT **Bridge Replacement over Garnsey Avenue, Sect. 11-0043-00-BR, Joliet, IL**

CLIENT **Willett, Hofmann and Associates, Inc., Dixon, Illinois**

BORING **2** DATE STARTED **7-18-12** DATE COMPLETED **7-18-12** JOB **L-78,685**

ELEVATIONS
 GROUND SURFACE **550.5**
 END OF BORING **521.7**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **10.5'**
 AT END OF BORING
 24 HOURS



DRILL RIG NO. **334** Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

218

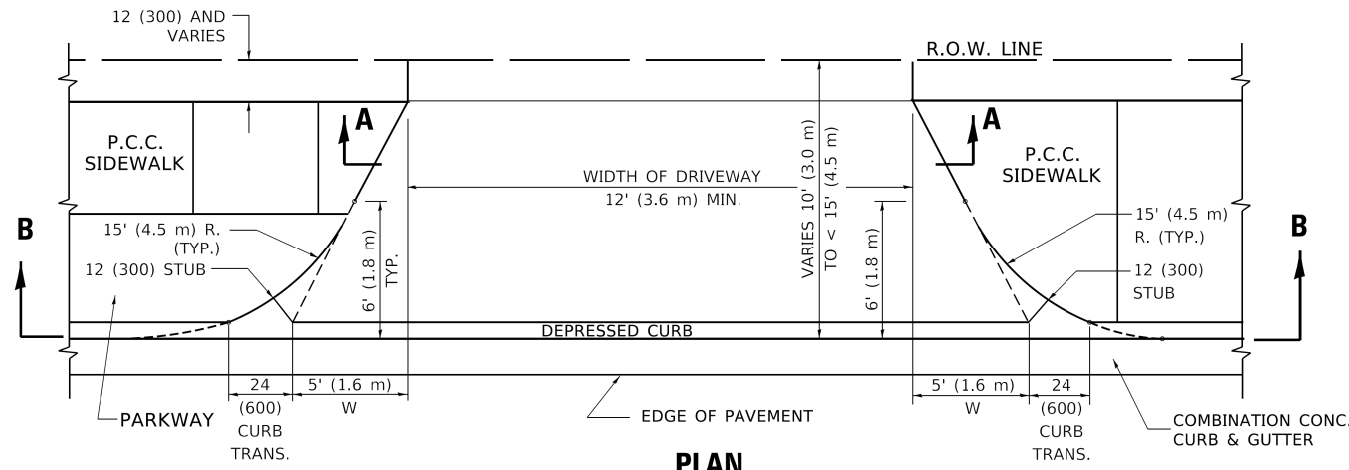


USER NAME =	DESIGNED - JKP	REVISED -
PLOT SCALE =	CHECKED - MRL	REVISED -
PLOT DATE =	DRAWN - FDL	REVISED -
	CHECKED - PLP	REVISED -

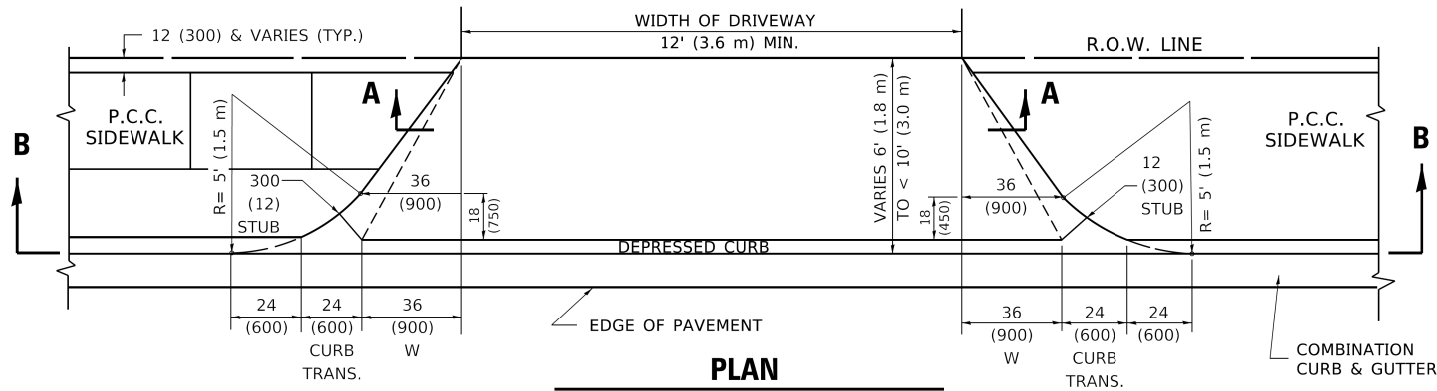
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS
 STRUCTURE NO. 099-6480
 STRUCTURAL SHEET NO. 17 OF 17 SHEETS

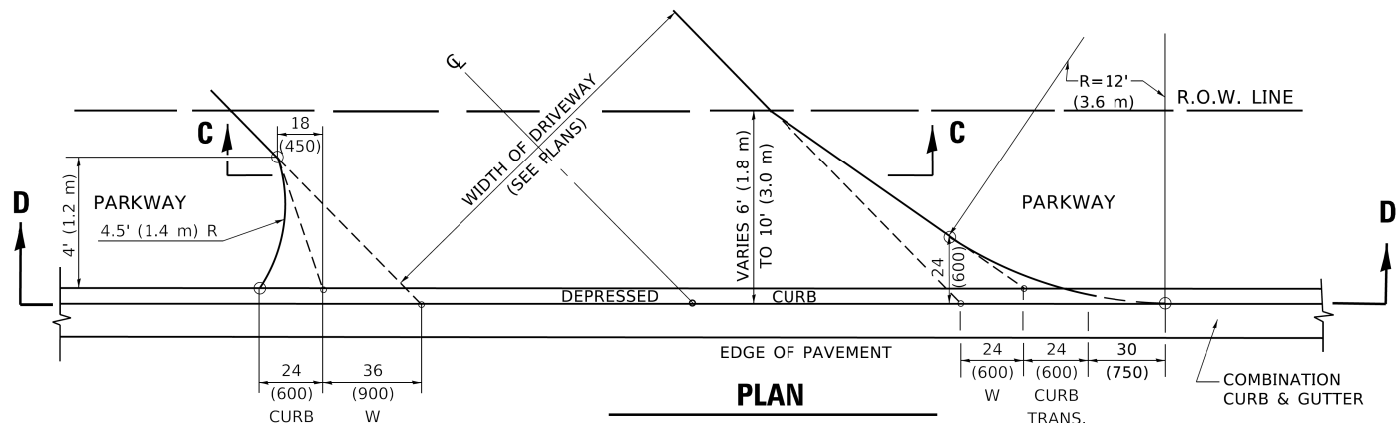
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	41
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



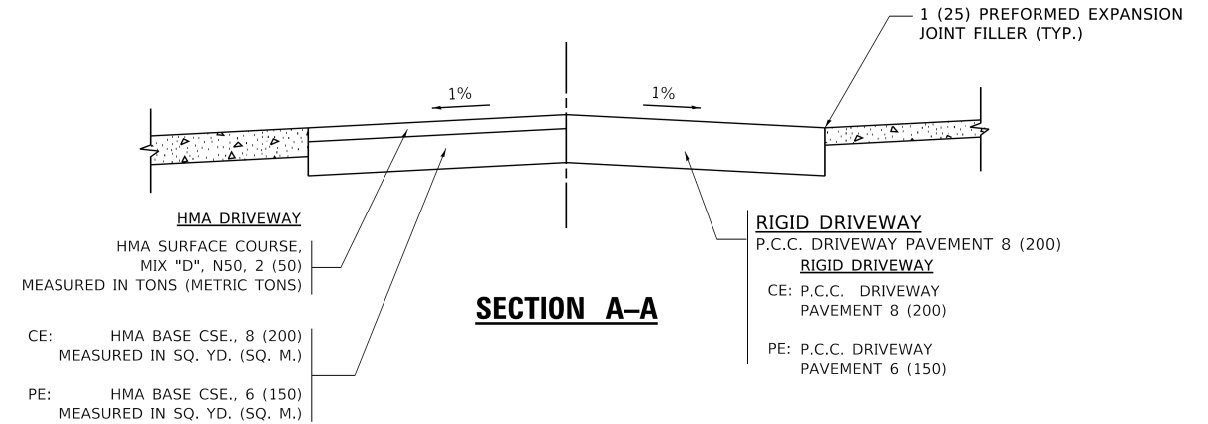
PLAN
10' (3.0 m) TO < 15' (4.5 m)



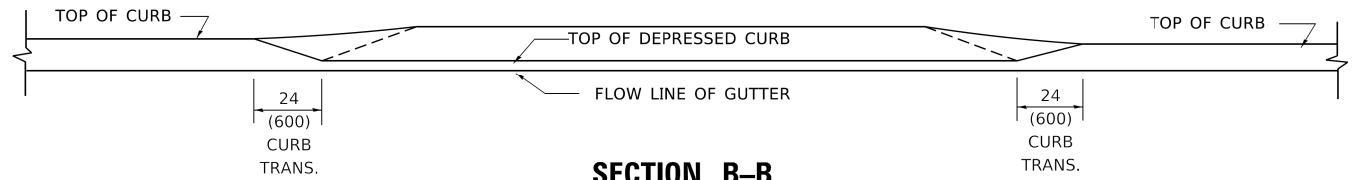
PLAN
6' (1.8 m) TO < 10' (3.0 m)



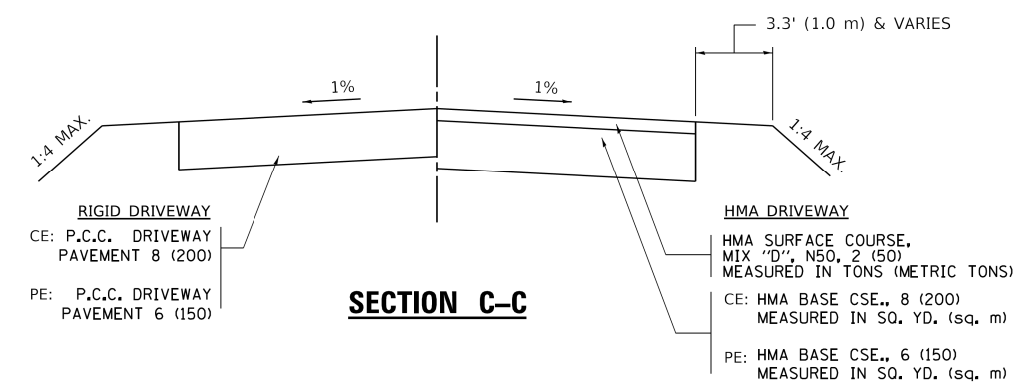
PLAN
6' (1.8 m) TO 10' (3.0 m)



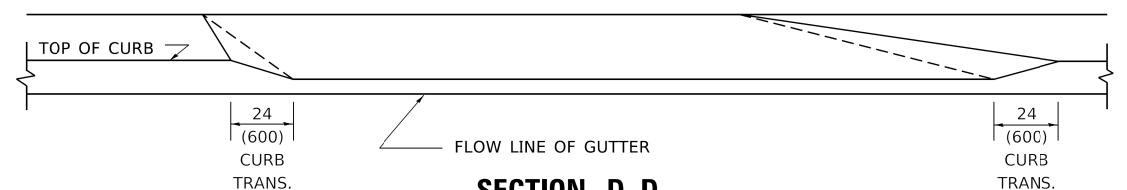
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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



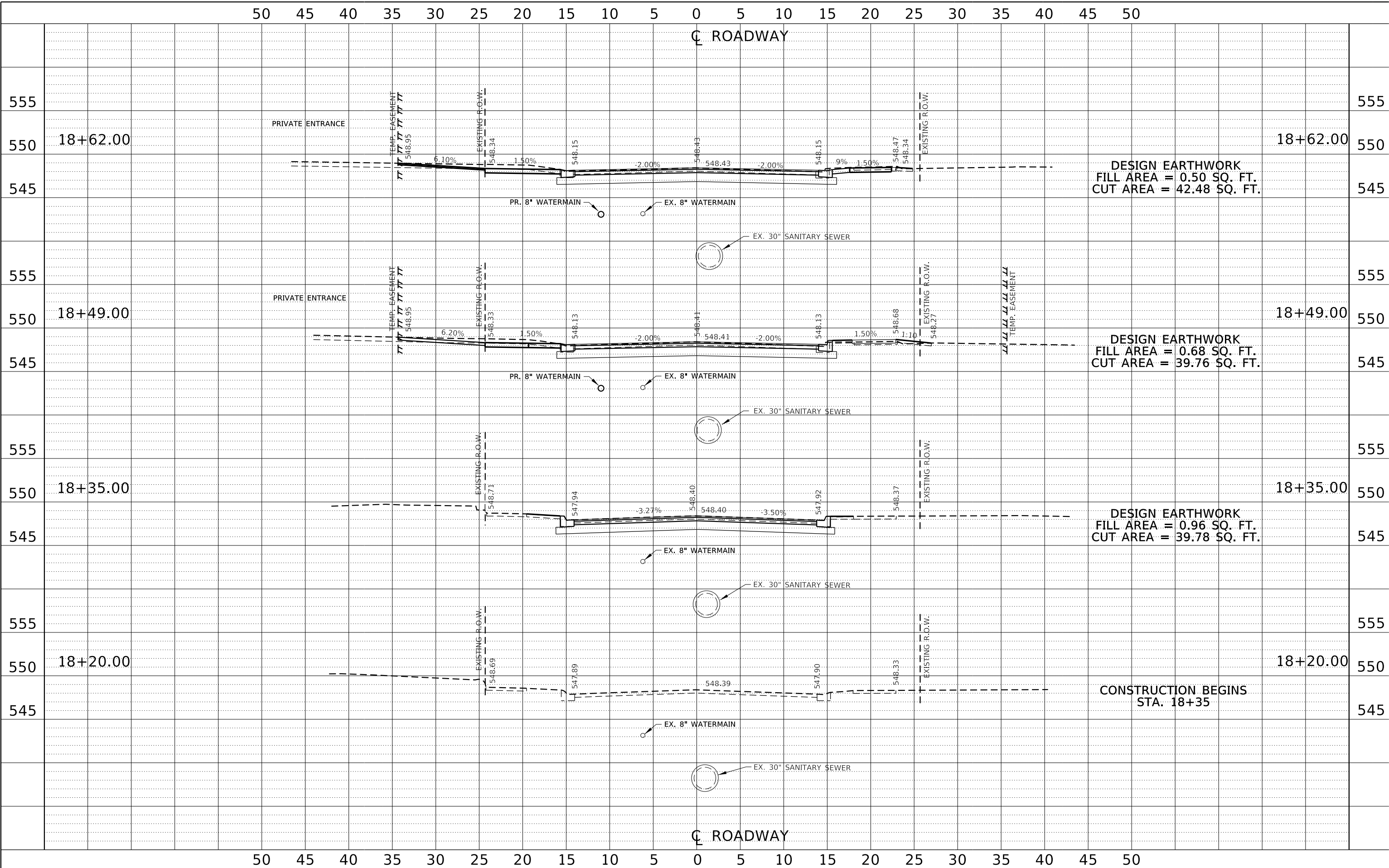
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PLOT DATE =	DRAWN - R. BORO 01-01-07	REVISD - R. BORO 01-01-07
	CHECKED -	REVISD - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5M)

D1 STANDARD DETAIL (BD-02) / SHEET 1 OF 1 SHEETS

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	42
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L330				



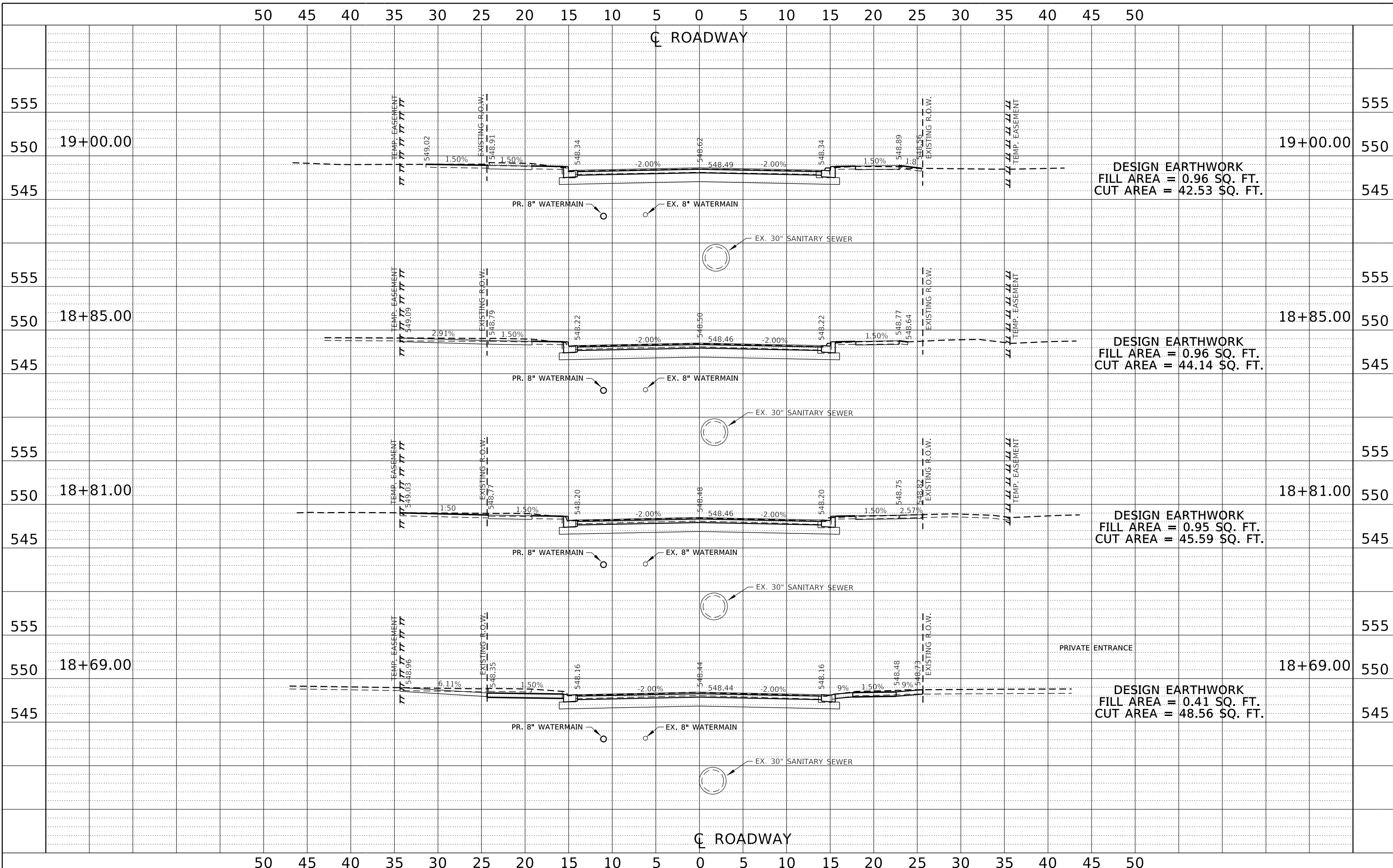
WILETT HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

USER NAME =	DESIGNED - LGN	REVISED -
	CHECKED - MAH	REVISED -
PLOT SCALE =	DRAWN - LGN	REVISED -
PLOT DATE =	CHECKED - MAH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STRUCTURE NO. 099-6480
STA. 18+20 TO STA. 18+62

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	43
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



WILETT HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DIXON, IL 61021-0367
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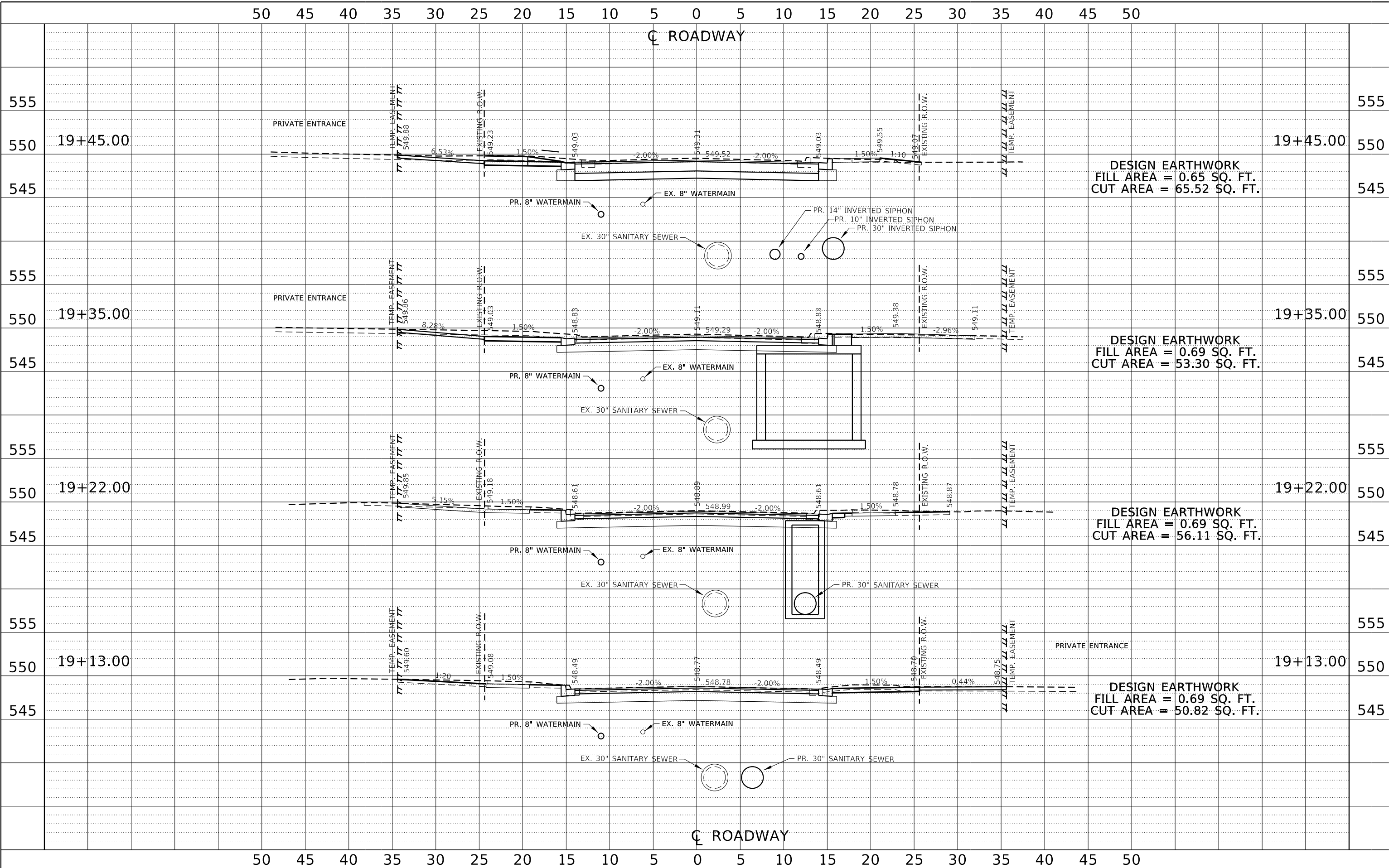
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PLOT SCALE =	DRAWN - LGN	REVISED -
PLOT DATE =	CHECKED - MAH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STRUCTURE NO. 099-6480**

STA. 18+69 TO STA. 19+00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	44
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



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PLOT DATE =	CHECKED - MAH	REVISED -

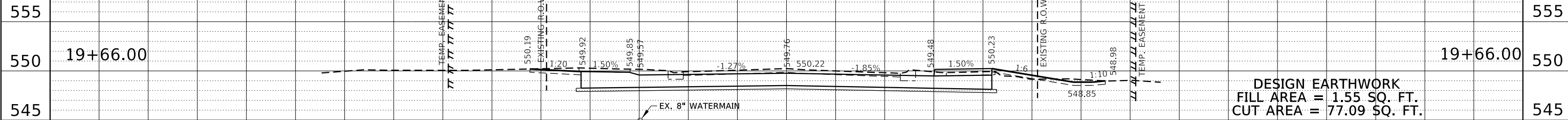
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STRUCTURE NO. 099-6480**
 STA. 19+13 TO STA. 19+45

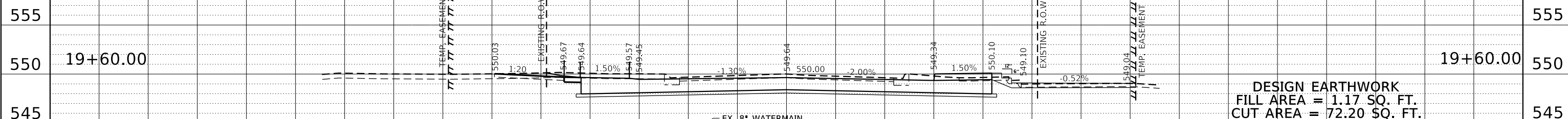
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1083	11-00443-00-BR	WILL	50	45
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				

50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50

C ROADWAY



DESIGN EARTHWORK
 FILL AREA = 1.55 SQ. FT.
 CUT AREA = 77.09 SQ. FT.



DESIGN EARTHWORK
 FILL AREA = 1.17 SQ. FT.
 CUT AREA = 72.20 SQ. FT.

C ROADWAY

50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50



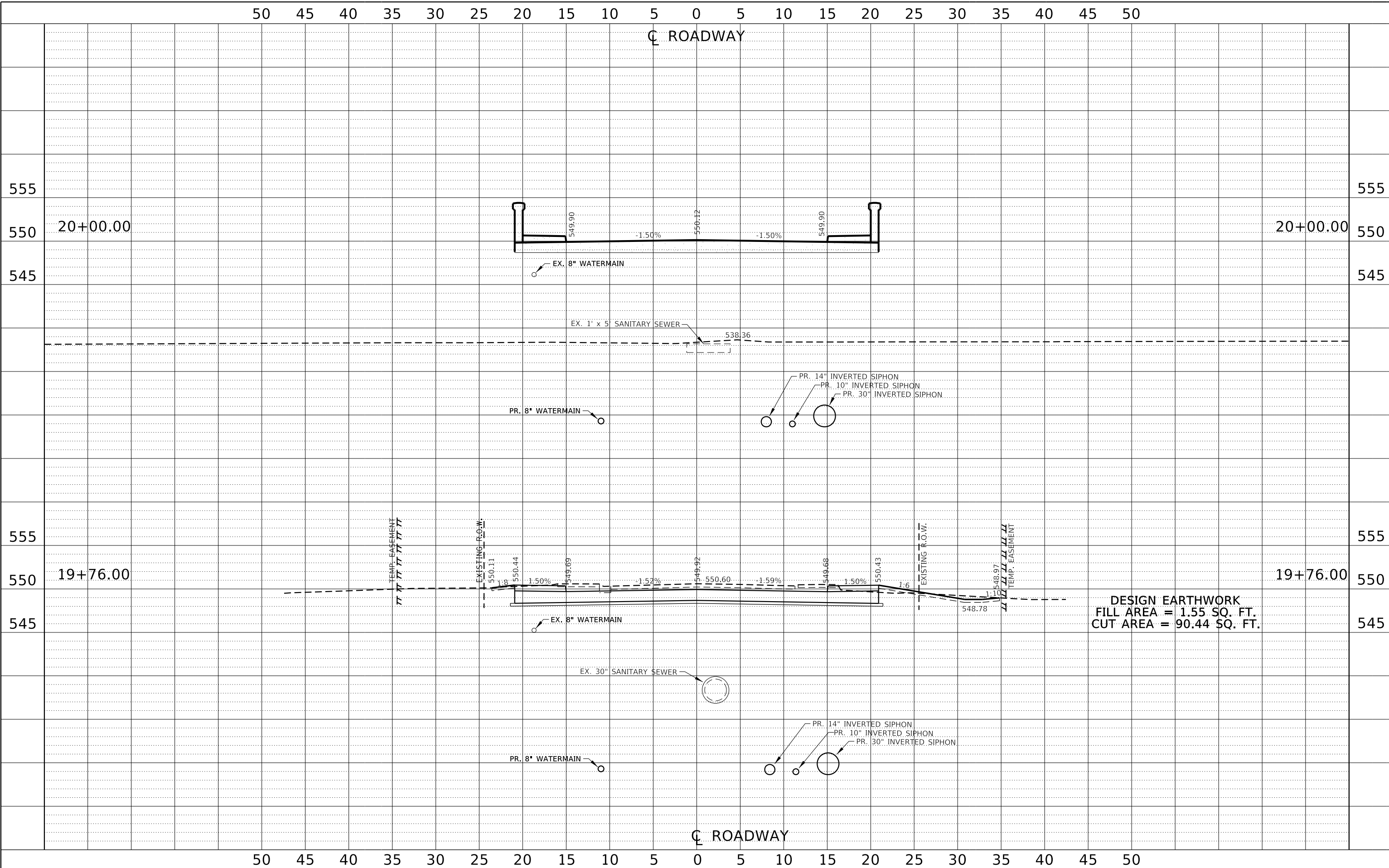
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PLOT SCALE =	DRAWN - LGN	REVISED -
PLOT DATE =	CHECKED - MAH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STRUCTURE NO. 099-6480

STA. 19+60 TO STA. 19+66

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	46
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



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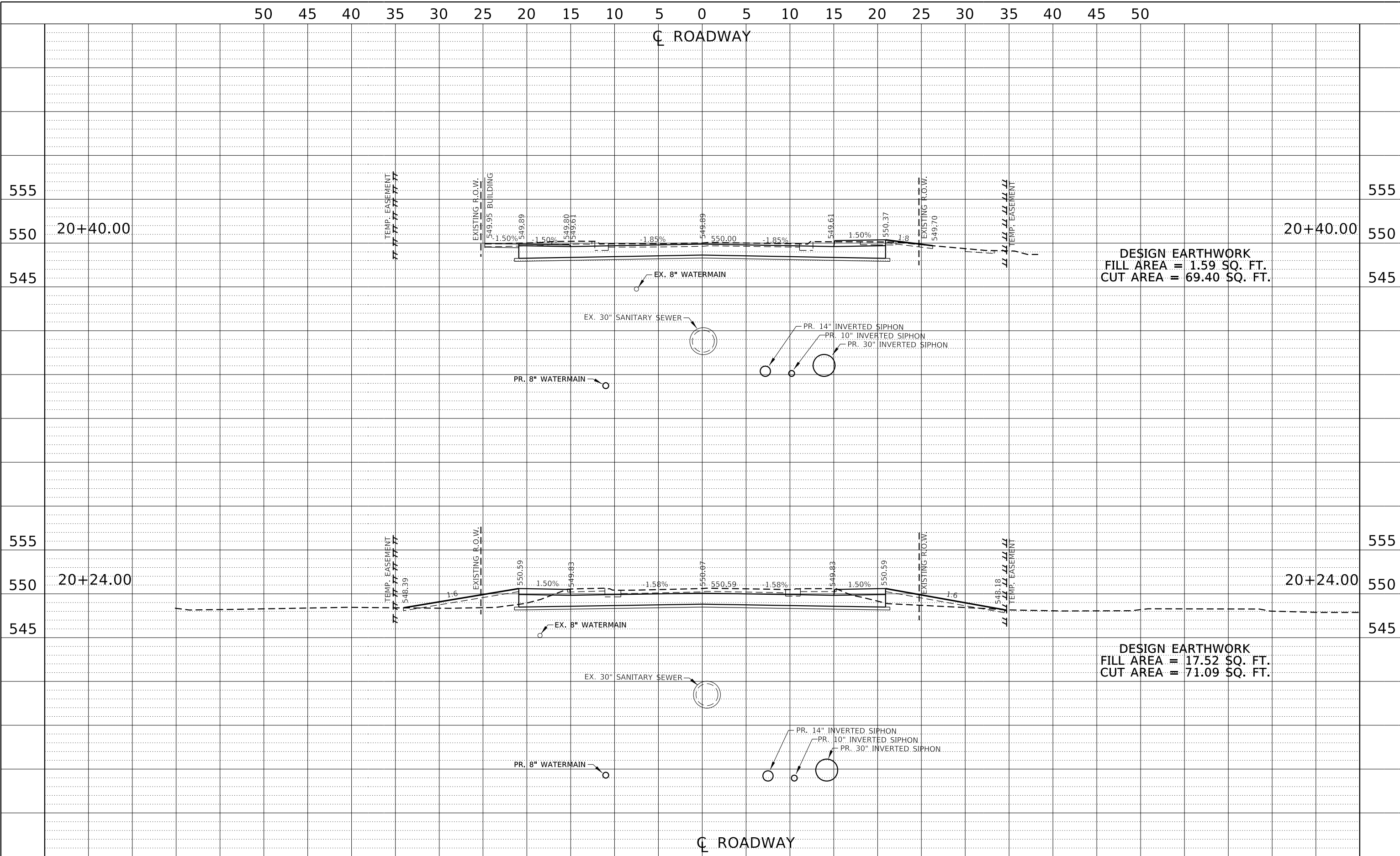
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PLOT DATE =	CHECKED - MAH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STRUCTURE NO. 099-6480**

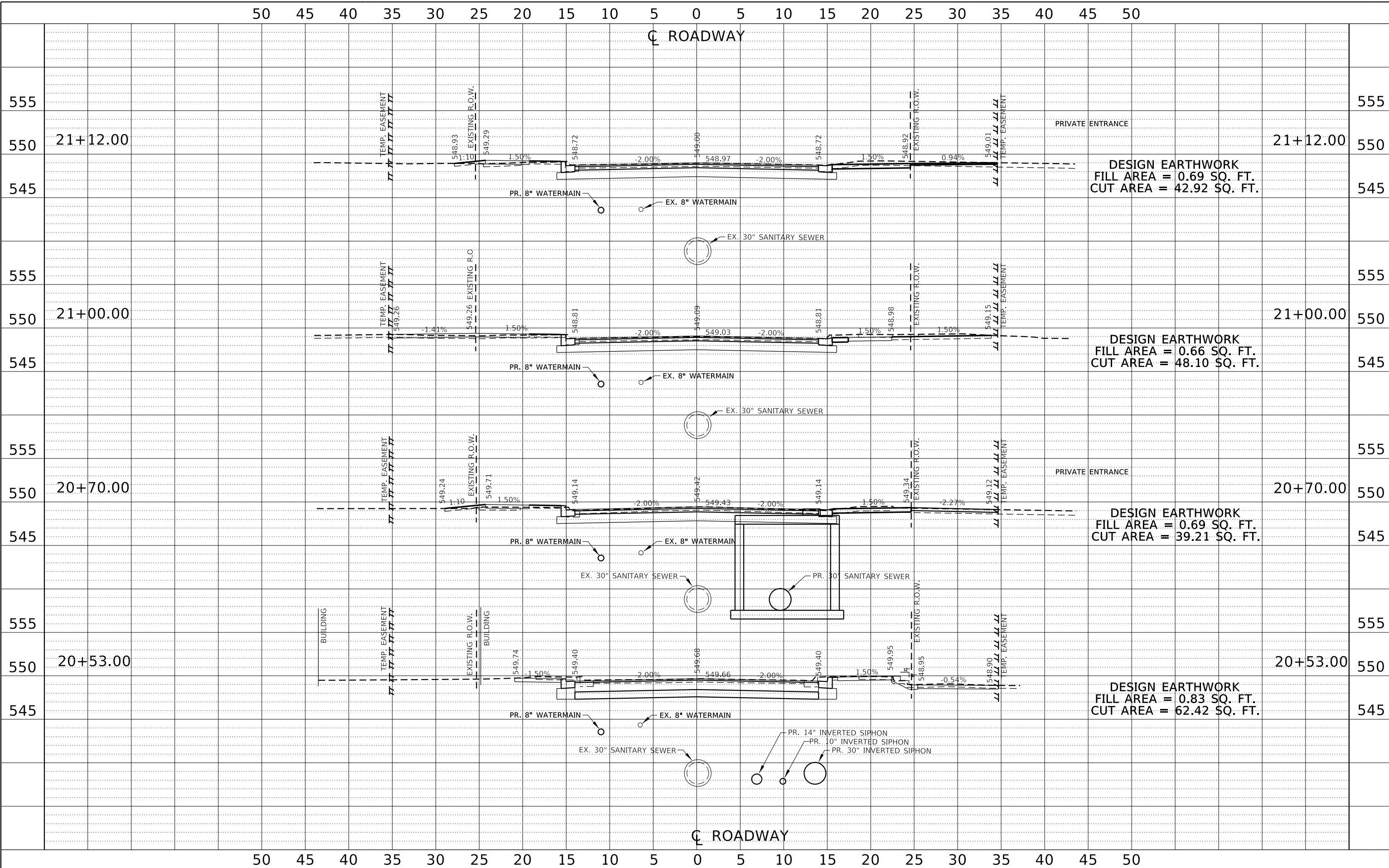
STA. 19+76 TO STA. 20+00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	47
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



<p>WILETT HOFMANN & ASSOCIATES INC. ENGINEERING ARCHITECTURE LAND SURVEYING 809 EAST 2ND STREET, DIXON, IL 61021-0367 T: 815-284-3381 DESIGN FIRM: #184-000918</p>	USER NAME =	DESIGNED - LGN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS STRUCTURE NO. 099-6480	M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - MAH	REVISED -			1083	11-00443-00-BR	WILL	50	48
	PLOT DATE =	DRAWN - LGN	REVISED -			WHA# 1319D11		CONTRACT NO. 61G53		
		CHECKED - MAH	REVISED -			ILLINOIS		FED. AID PROJECT J93L(330)		

STA. 20+24 TO STA. 20+40



WILETT HOFMANN & ASSOCIATES INC.
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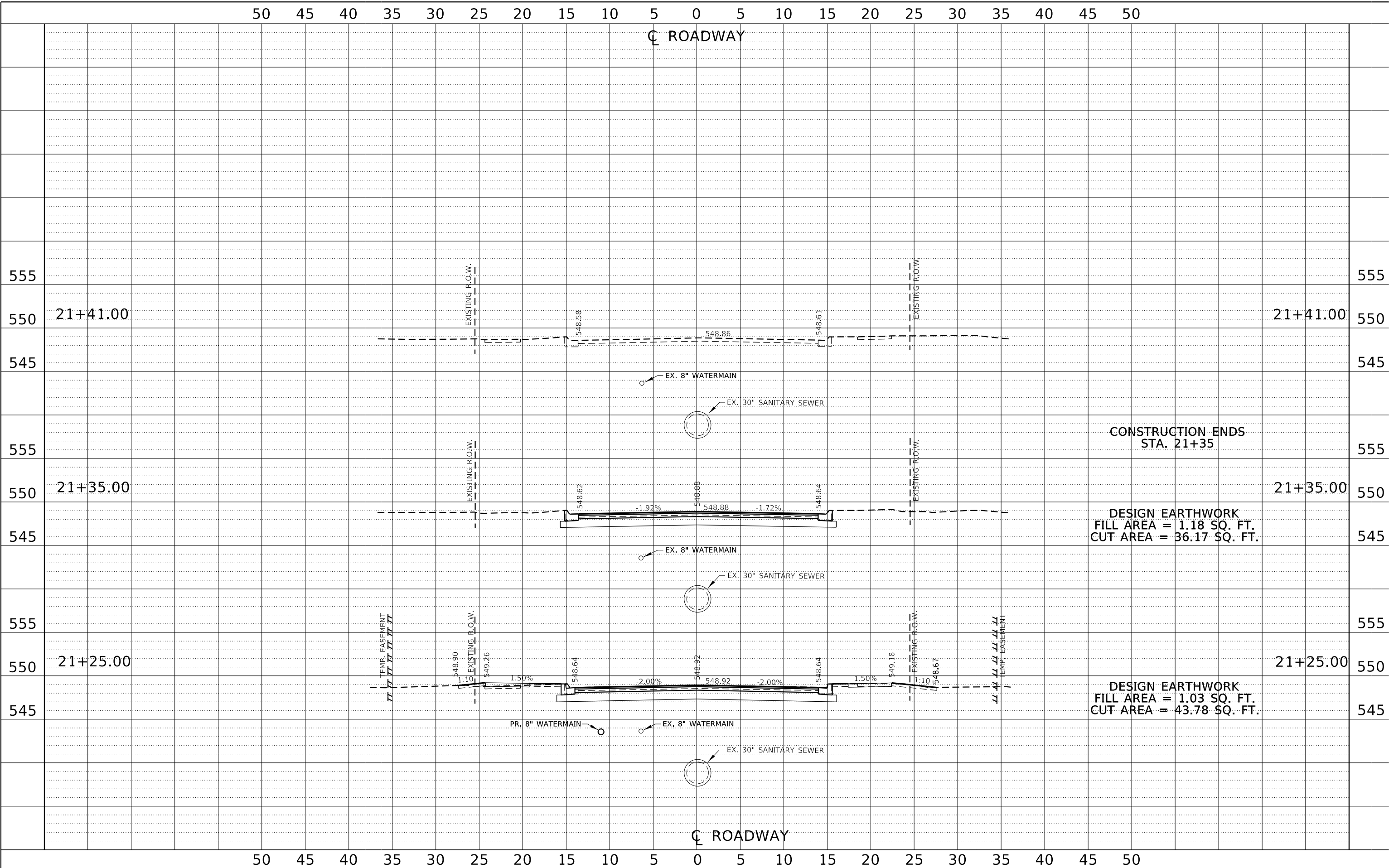
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PLOT SCALE =	DRAWN - LGN	REVISED -
PLOT DATE =	CHECKED - MAH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STRUCTURE NO. 099-6480**

STA. 20+53 TO STA. 21+12

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	49
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				



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PLOT SCALE =	DRAWN - LGN	REVISED -
PLOT DATE =	CHECKED - MAH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STRUCTURE NO. 099-6480**
 STA. 21+25 TO STA. 21+41

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1083	11-00443-00-BR	WILL	50	50
WHA# 1319D11		CONTRACT NO. 61G53		
ILLINOIS FED. AID PROJECT J93L(330)				