

GENERAL NOTES (CONTINUED)

SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.3 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL.

THE CITY OF AURORA MAINTENANCE DEPARTMENT WILL REMOVE BENCHES, PARKING METERS, HISTORIC WALKING TOUR SIGNS, AND FLOWER BOXES ON THE BRIDGES PRIOR TO CONSTRUCTION.

SANITARY SEWER CONSTRUCTION

ALL SANITARY SEWER CONSTRUCTIONS SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTIONS IN ILLINOIS", LATEST EDITION, AND REVISIONS THERETO, THE NOTES ON THE PLANS AND IN ACCORDANCE WITH CODES AND ORDINANCES OF FOX METRO WATER RECLAMATION DISTRICT AND THE CITY OF AURORA

ALL SANITARY SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "FOX METRO WATER RECLAMATION DISTRICT SEWER USE ORDINANCE NO. 829, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", AND "77 ILLINOIS ADMINISTRATIVE CODE, PART 890, ILLINOIS PLUMBING CODE", LATEST EDITION.

THE PIPE MATERIAL SHALL BE SDR 26 IN ACCORDANCE WITH ASTM D3034, THE PIPE JOINT MATERIAL SHALL BE IN ACCORDANCE WITH ASTM D3212, AND THE BEDDING SHALL BE IN ACCORDANCE WITH ASTM D2321.

FINAL APPROVED SET OF PLANS AND SPECIFICATIONS MUST BE KEPT ON THE JOB SITE. FAILURE TO COMPLY WITH THIS PROVISION MAY RESULT IN A FINE AND/OR BE CONSIDERED CAUSE TO STOP THE JOB.

THE SANITARY SEWER CONTRACTORS FOR ALL SANITARY SEWER MAIN EXTENSION PROJECTS SHALL NOTIFY THE FOX METRO WATER RECLAMATION DISTRICT'S ENGINEERING DEPARTMENT TWO (2) WORKING DAYS PRIOR TO START OF WORK. NOTIFICATION SHALL BE DONE VIA TELEPHONE AT (630) 301-6882, AND FAX AT (630) 892-4394 TO THE ENGINEERING DEPARTMENT. FOR SERVICE CONNECTIONS, CALL TWENTY-FOUR (24) HOURS IN ADVANCE TO SCHEDULE AN INSPECTION AT (630) 301-6811.

TO PREVENT ANY POSSIBLE INFILTRATION OR INFLOW FROM ENTERING THE EXISTING DOWNSTREAM SANITARY SYSTEM, A FACTORY-MADE PLUG SHALL BE PLACED IN THE MANHOLE BY THE CONTRACTOR, AS INDICATED ON THE FINAL APPROVED PLANS. THE PLACEMENT OF THE PLUG(S) SHOULD NOT INTERRUPT THE SERVICE OF ANY USER. THIS PLUG IS TO BE REMOVED ONLY UPON APPROVAL BY THE ENGINEERING DEPARTMENT, AND ONLY AFTER ANY ACCUMULATED WATER AND/OR CONSTRUCTION DRAINAGE HAS BEEN PROPERLY REMOVED. UNDER NO CIRCUMSTANCES IS OVERLAND SURFACE DRAINAGE ALLOWED TO DRAIN INTO THE EXISTING SANITARY SYSTEM.

ALL SANITARY SEWERS SHALL BE PRESSURE AND DEFLECTION TESTED IN ACCORDANCE WITH SECTION 31-1.11 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". IN ADDITION, ALL MANHOLES SHALL BE VACUUM TESTED (MANHOLE TESTING WILL BE IN ACCORDANCE WITH ASTM-1244-93 OR IN ACCORDANCE WITH FOX METRO W.R.D. REQUIREMENTS). IN CASE OF TESTING SPECIFICATION CONFLICT, WHERE DEEPER MANHOLES ARE CONSTRUCTED, THE MORE STRINGENT REQUIREMENT WILL APPLY.

WHEN CONNECTING TO AN EXISTING SANITARY MAIN WHEN A TEE OR WYE IS NOT PROVIDED, AN "INSERTA TEE" FITTING MUST BE INSTALLED. THE MINIMUM DISTANCE BETWEEN FITTINGS IS 4 FEET CENTER TO CENTER. DISRUPTION OF ANY EXISTING SANITARY MAIN BY BREAKING OR CUTTING IN A WYE/TEE IS PROHIBITED UNLESS THE EXISTING MAIN IS CRACKED OR BROKEN AT THE POINT OF CONNECTION. THE ANGLE OF ANY NEW CONNECTION SHALL NOT EXCEED 1/1 OR 45 DEGREES.

"ADAPTOR-SEAL", "INFI-SHIELD", "CANUSA (WRAPID SEAL)", "FLEXRIB" OR APPROVED EQUAL CHIMNEY SEALS SHALL BE INSTALLED ON ALL MANHOLES AND GREASE TRAPS. NO UNAPPROVED SEAL SHALL BE INSTALLED IN THE DISTRICT.

ONLY PVC TRANSITION FITTINGS SHALL BE USED IN ALL NEW CONSTRUCTION WHEN JOINING PVC PIPES WHICH ARE DAMAGED DURING CONSTRUCTION OR HAVE DIFFERENT OUTSIDE DIAMETERS. REFER TO FOX METRO "MANHOLE/SEWER PIPE SPECIFICATIONS" FOR INFORMATION RELATING TO REPAIRS OF MAINS DAMAGED DURING CONSTRUCTION.

ALL EXISTING SANITARY INTERCEPTOR (MAINS 15" IN DIAMETER OR GREATER) MANHOLE FRAMES LOCATED WITHIN ANY PROPOSED DEVELOPMENT WILL BE REQUIRED TO BE ADJUSTED TO GRADE. UNDER NO CIRCUMSTANCES MAY THE AMOUNT (TWO TOTAL) OF ADJUSTING RINGS EXCEED EIGHT (8) INCHES (SEE OUR TYPE A MANHOLE DETAIL). EXTREME CARE SHOULD BE TAKEN WHEN WORKING NEAR ALL SANITARY MANHOLES.

WATER MAIN CONSTRUCTION

ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS AND DETAILS, SPECIAL PROVISIONS AND IN ACCORDANCE WITH CODES AND ORDINANCES OF THE CITY OF AURORA.

BACKFILL

PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE. DEPTH SHALL BE CALCULATED AS INVERT DEPTH TO BOTTOM OF IMPROVED SUBGRADE ELEVATION.

SIGNING AND STRIPING

SEE DISTRICT ONE DETAIL AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.

SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.

THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

ALL SIGNS SHALL BE INSTALLED OR RELOCATED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.

ALL REMOVED SIGNS SHALL BE RETURNED TO THE CITY OF AURORA

LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.

TRAFFIC CONTROL

SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.

EROSION CONTROL

SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.

STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEM
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
424001-05	CURB RAMPS FOR SIDEWALKS
515001-03	NAME PLATE FOR BRIDGES
602501-02	VALVE VAULT TYPE A
604001-03	FRAME AND LIDS TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
814001-02	HANDHOLES

CONTACTS

COMED	ADAM SADKOWSKI	(630) 608-2347
NICOR	CONSTANCE LANE	(630) 388-3830
AT&T	TOM FOLLIN	(630) 573-6477
AT&T LONG DISTANCE	CARL DONAHUE	(847) 420-9115
AT&T LOCAL	BOBBY AKHTER	(630) 719-1483
COMCAST	PETE ROSA	(630) 461-7679
CITY OF AURORA	CHRIS LIROT	(630) 256-3242
CITY OF AURORA WATER AND SEWER		(630) 256-3710
CITY OF AURORA ELECTRIC		(630) 892-1415
CITY OF AURORA NON-EMERGENCY		(630) 256-5000
ARMY CORP OF ENGINEERS	KIMBERLY KUBIAK	(312) 846-5541
IDNR-OWR	GARY JEREB	(847) 608-3100
IDNR-OREP	ROBERT SCHANZLE	(217) 785-5500
KANE-DUPAGE SWCD	KELSEY MUSICH	(630) 584-7961
FOX METRO WATER RECLAMATION DISTRICT	MICHAEL FRANKINO	(630) 301-6805

STANDARD ABBREVIATIONS

B-B	- BACK TO BACK OF CURB
B.C.	- BACK OF CURB
B.O.C.	- BACK OF CURB
B.S.L.	- BUILDING SETBACK LINE
C.B.	- STORM CATCH BASIN
C.E.	- COMMONWEALTH EDISON CO.
D.E.	- DRAINAGE EASEMENT
E-E	- EDGE TO EDGE OF PAVEMENT
E.O.P.	- EDGE OF PAVEMENT
E.O.S.	- EDGE OF SHOULDER
E.P.	- EDGE OF PAVEMENT
E.S.	- EDGE OF SHOULDER
F.E.S.	- FLARED END SECTION
I.B.T.	- ILLINOIS BELL TELEPHONE CO.
L.E.	- LANDSCAPE EASEMENT
M.H.	- MANHOLE (TYPE SPECIFIED ON PLANS)
R.O.W.	- RIGHT OF WAY
T.B.F.	- TRENCH BACKFILL
T.C.	- TOP OF CURB
T.C.E.	- TEMPORARY CONSTRUCTION EASEMENT
T.O.B.	- TOP OF BERM
T.O.C.	- TOP OF CURB
U.E.	- UTILITY EASEMENT
U.O.N	- UNLESS OTHERWISE NOTED

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 PROJECT CONTACT: HRGreen.com
 CLIENT: CITY OF AURORA
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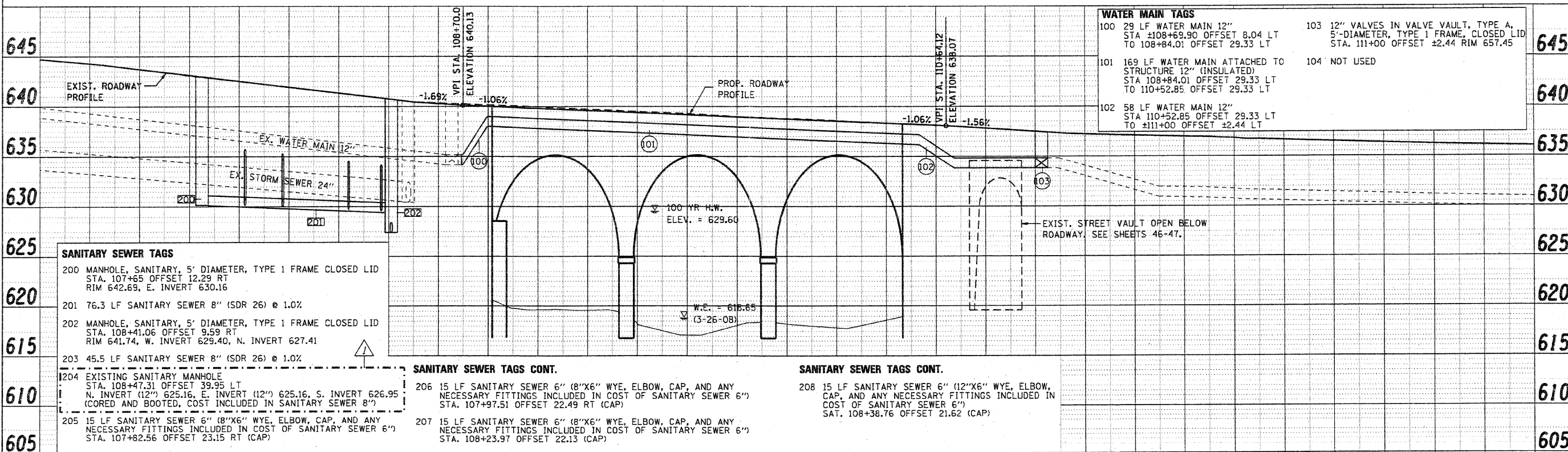
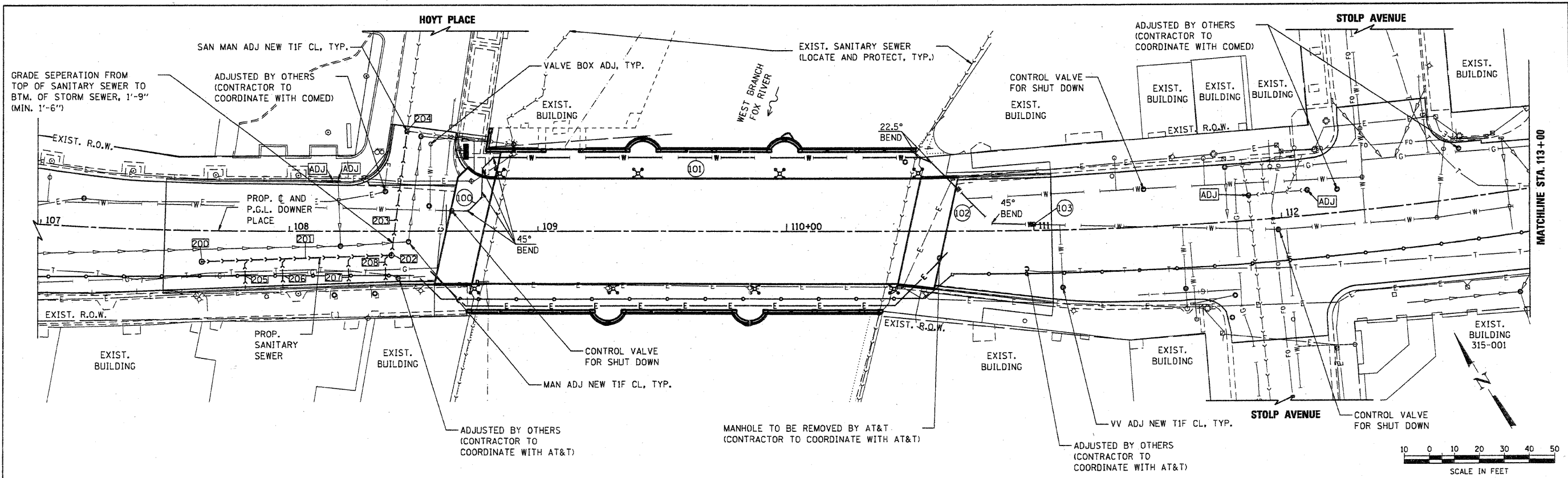
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CITY OF AURORA

GENERAL NOTES AND LIST OF STATE STANDARDS DOWNER PLACE

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	3
CONTRACT NO. 63620				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



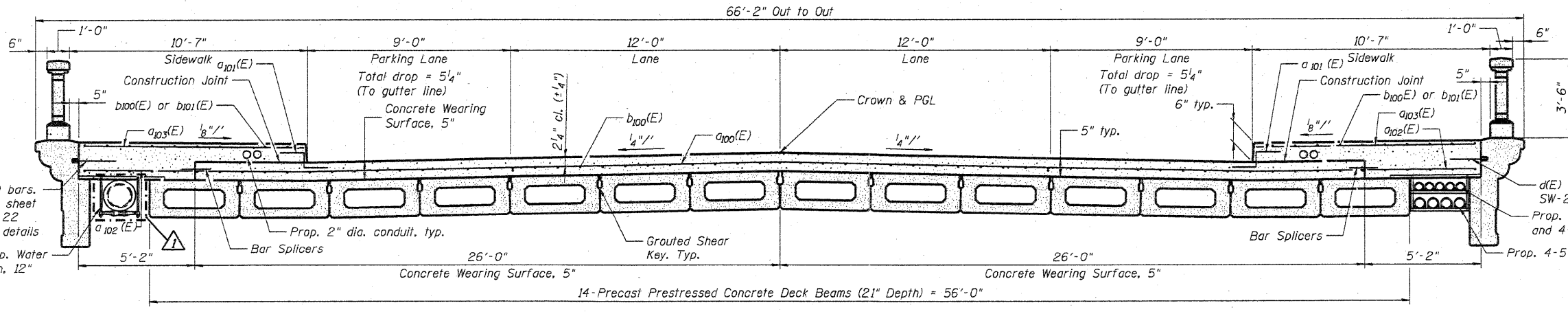
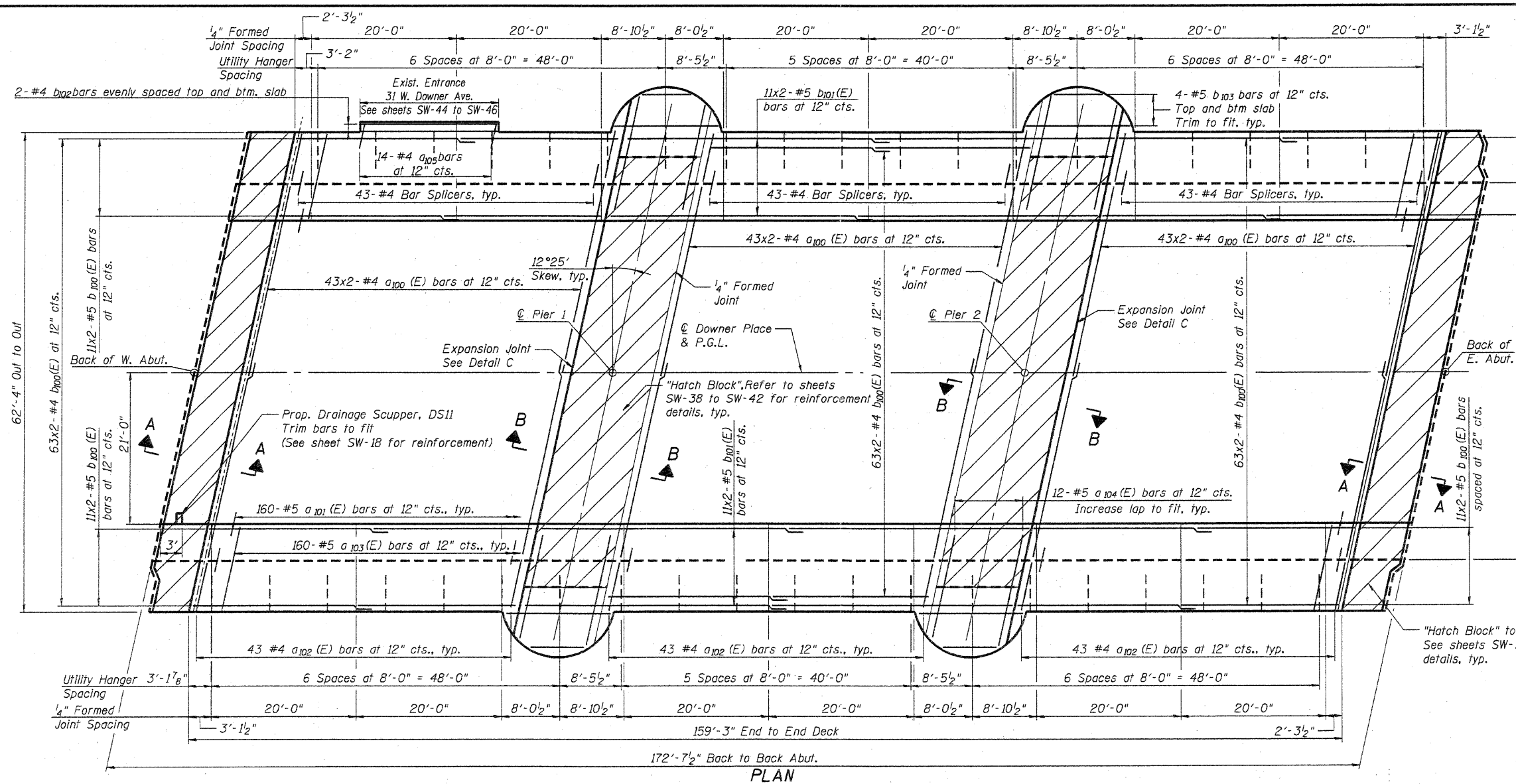
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107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00

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CITY OF AURORA		UTILITY PLAN AND PROFILE	
		DOWNER PLACE	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. 107+00 TO STA. 113+00	FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	154	24
CONTRACT NO. 63620				

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 PROJECT CONTACT: Michael C. Harpold
 CLIENT: City of Aurora
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MINIMUM BAR LAP
#4 bar = 2'-1"

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 PROJECT CONTACT: Michael G. Harwood
 CLIENT: City of Aurora
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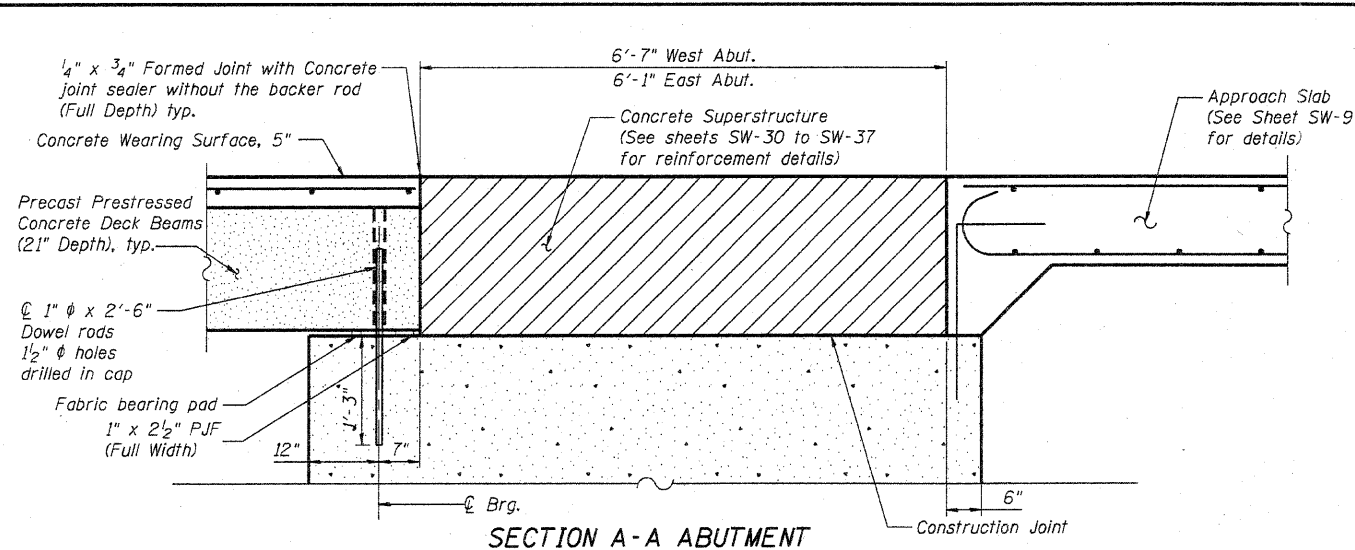


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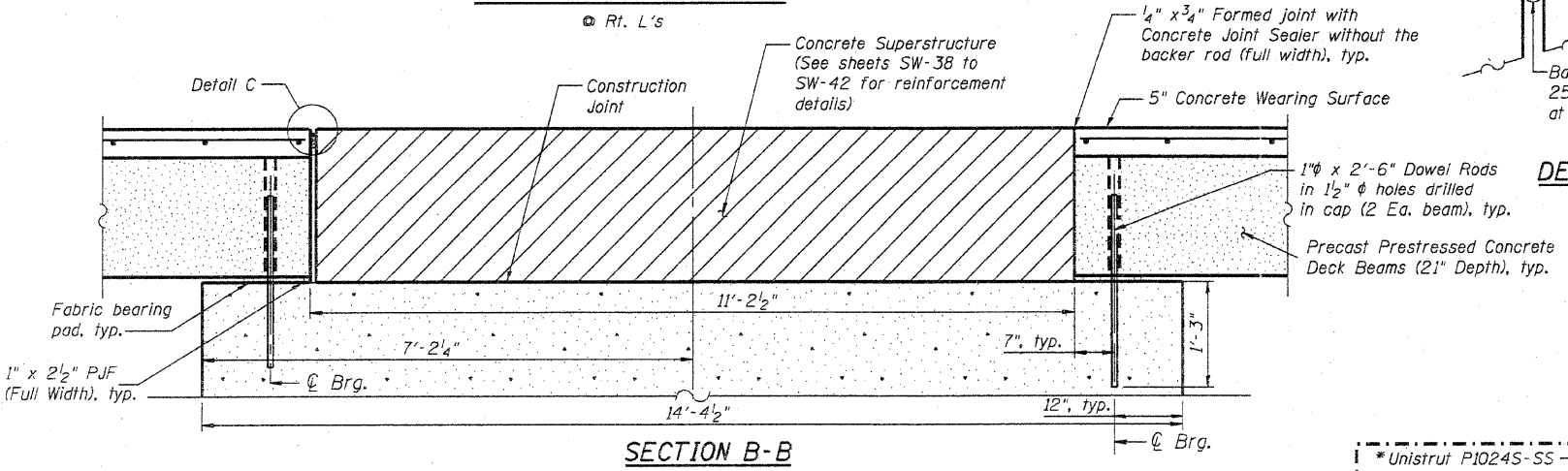
CITY OF AURORA
DOWNER PLACE OVER THE WEST BRANCH
OF THE FOX RIVER

SUPERSTRUCTURE PLAN & CROSS SECTION
STRUCTURE NO. 045-6006
 SHEET NO. SW-10 OF SW-48 SHEETS

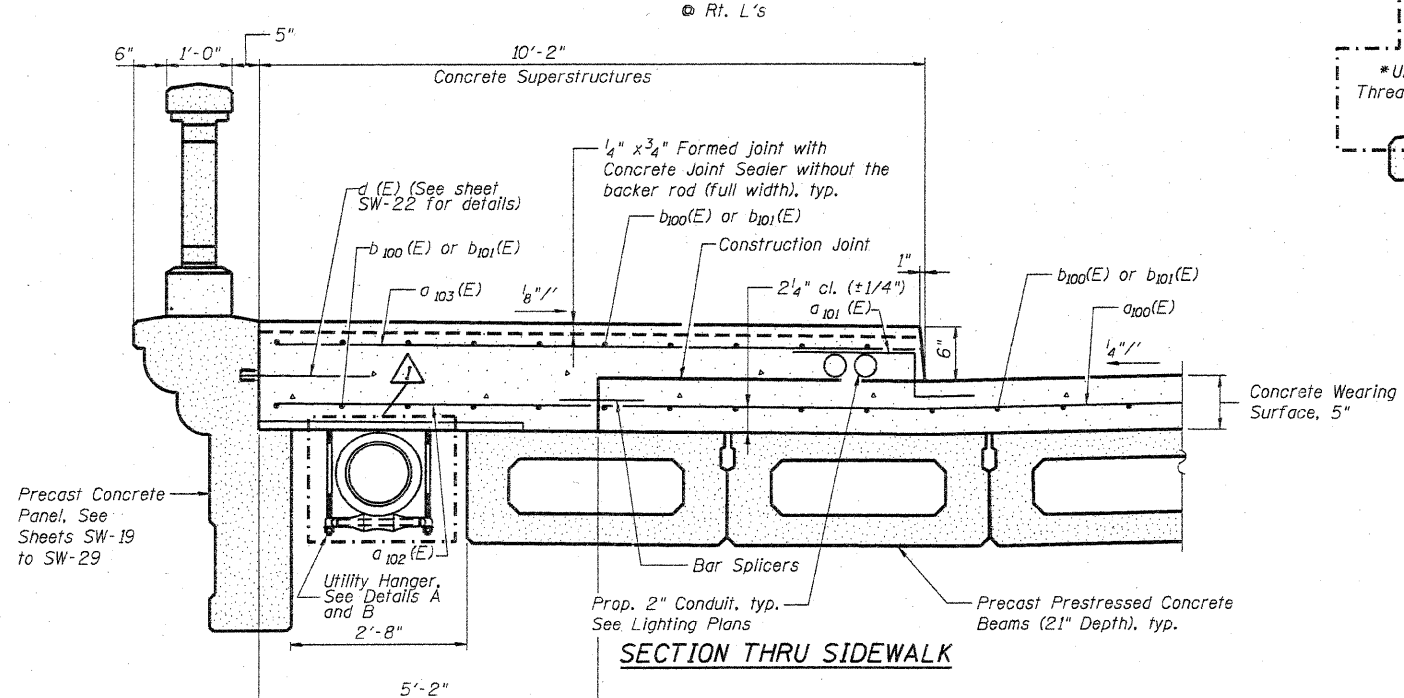
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63620			ILLINOIS FED. AID PROJECT	



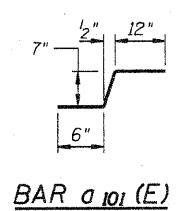
SECTION A-A ABUTMENT
Rt. L's



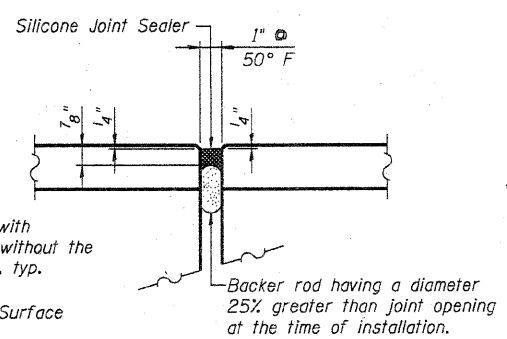
SECTION B-B
Rt. L's



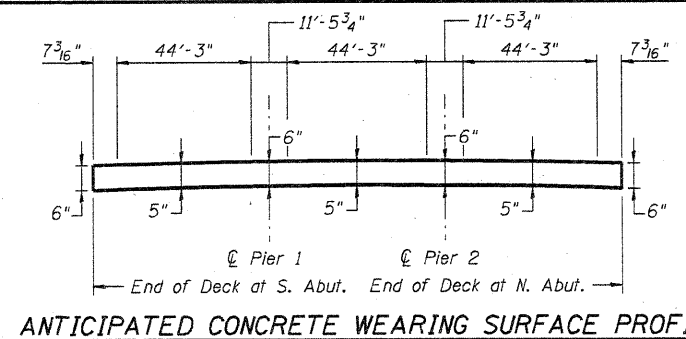
SECTION THRU SIDEWALK



BAR a101 (E)

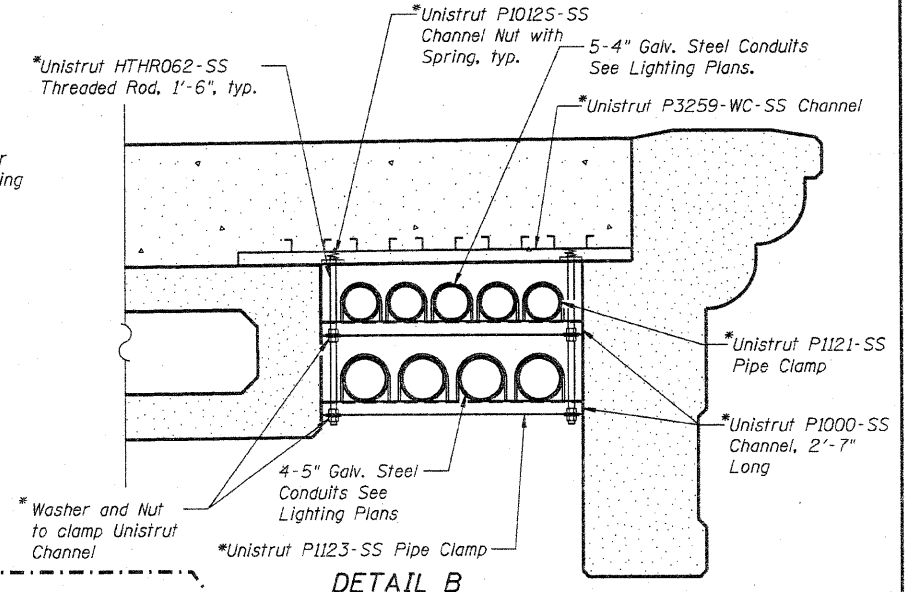


DETAIL C

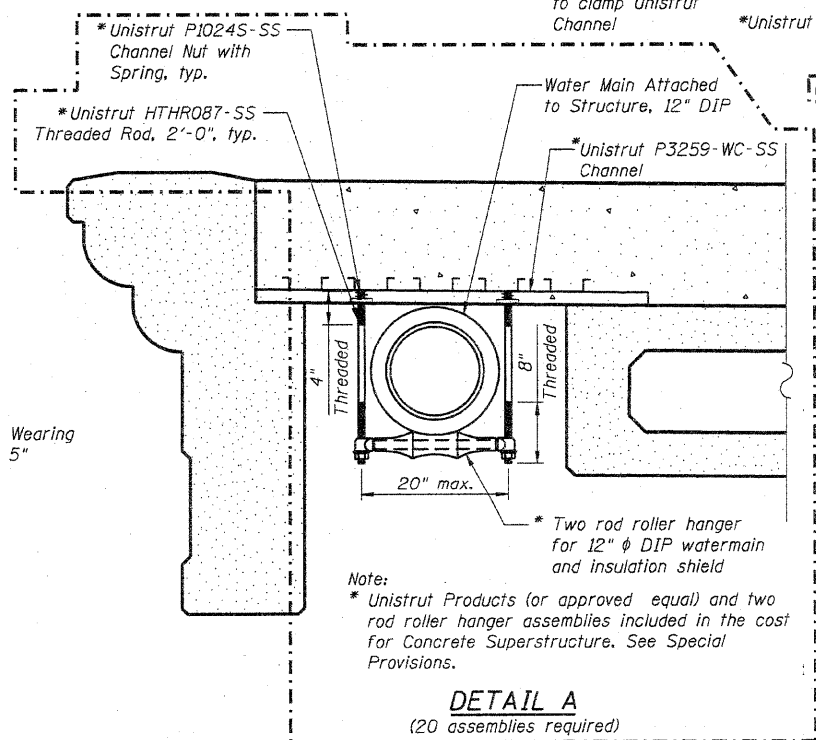


ANTICIPATED CONCRETE WEARING SURFACE PROFILE

(For information only)
Thickness is based on calculated camber and deflection of PPC Deck Beams. Actual camber of individual units may vary up to ±1/2". Adjust thickness to match PGL and cross slope.



DETAIL B
(20 assemblies required)



Note:
* Unistrut Products (or approved equal) and two rod roller hanger assemblies included in the cost for Concrete Superstructure. See Special Provisions.

DETAIL A
(20 assemblies required)

BILL OF MATERIALS

Bar No.	Size	Length	Shape
a100	258 #4	27'-9"	—
a101	320 #5	2'-1"	—
a102	258 #4	5'-0"	—
a103	320 #5	10'-1"	—
a104	48 #5	6'-5"	—
a105	14 #4	3'-6"	—
b100	466 #5	23'-0"	—
b101	44 #5	35'-2"	—
b102	4 #4	12'-11"	—
b103	32 #4	11'-0"	—
Concrete Superstructure	Cu. Yd.	91.1	
Bridge Deck Grooving	Sq. Yd.	767	
Protective Coat	Sq. Yd.	1,215	
Reinforcement Bars, Epoxy Coated	Pound	23,120	
Bar Splicers	Each	258	
Concrete Wearing Surface, 5"	Sq. Yd.	732.0	
Silicone Joint Sealer, 1"	Foot	151	

COMPANY NAME: HRGreen.com
PROJECT CONTACT: Michael C. Harshbarger
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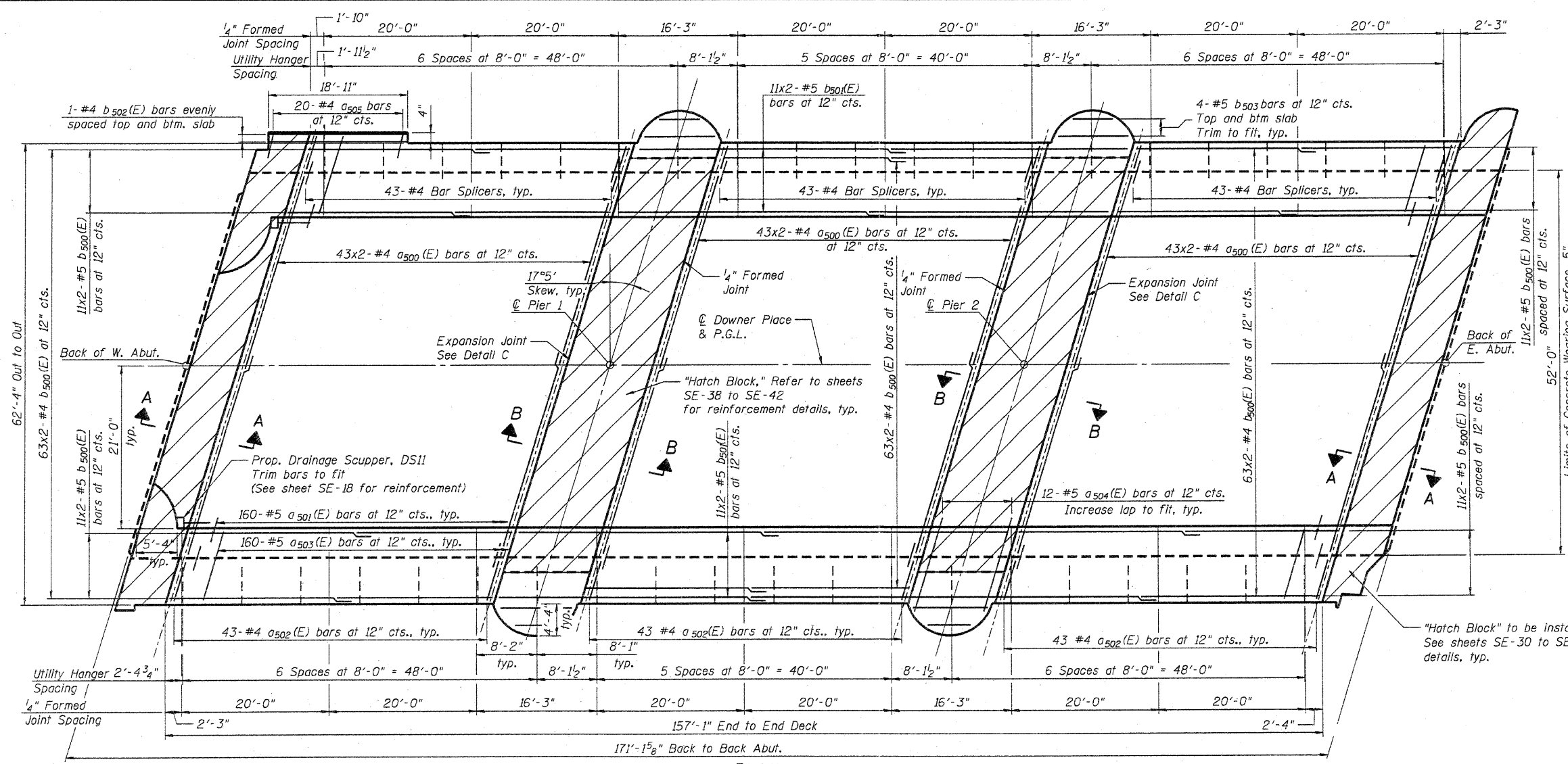
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CITY OF AURORA
DOWNER PLACE OVER THE WEST BRANCH
OF THE FOX RIVER

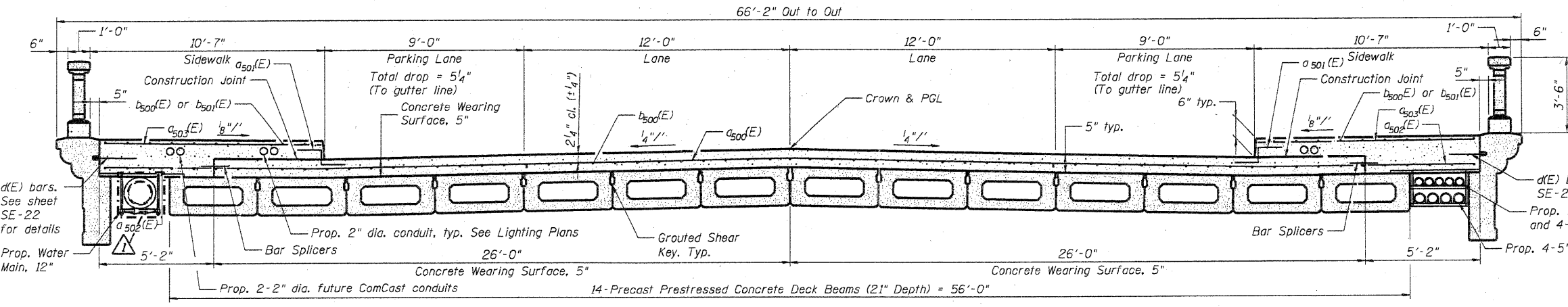
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STRUCTURE NO. 045-6006
SHEET NO. SW-11 OF SW-48 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	63
			CONTRACT NO. 63620	
			ILLINOIS FED. AID PROJECT	

- Notes:
1. See next sheet for Superstructure Details and Bill of Material.
 2. Bars indicated thus 67x2-#4 etc. indicates 67 lines of bars with 2 lengths per line.
 3. Spacing of a₅₀₀(E), a₅₀₁(E), a₅₀₂(E), a₅₀₃(E), a₅₀₄(E) and a₅₀₅(E) bars shall be measured along the C of structure.
 4. See next sheet for Sections A-A and B-B and Details A, B, and C.
 5. Beams 1 and 14 to be installed after abutment and pier closure pours.



PLAN



CROSS SECTION
(Looking East)

"Hatch Block" to be installed after deck. See sheets SE-30 to SE-37 for reinforcement details, typ.

MINIMUM BAR LAP
#4 bar = 2'-1"

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PROJECT CONTACT: HRGreen
DATE PLOTTED: 9/8/2011 2:50:02 PM
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PLOT DRIVER: poflight
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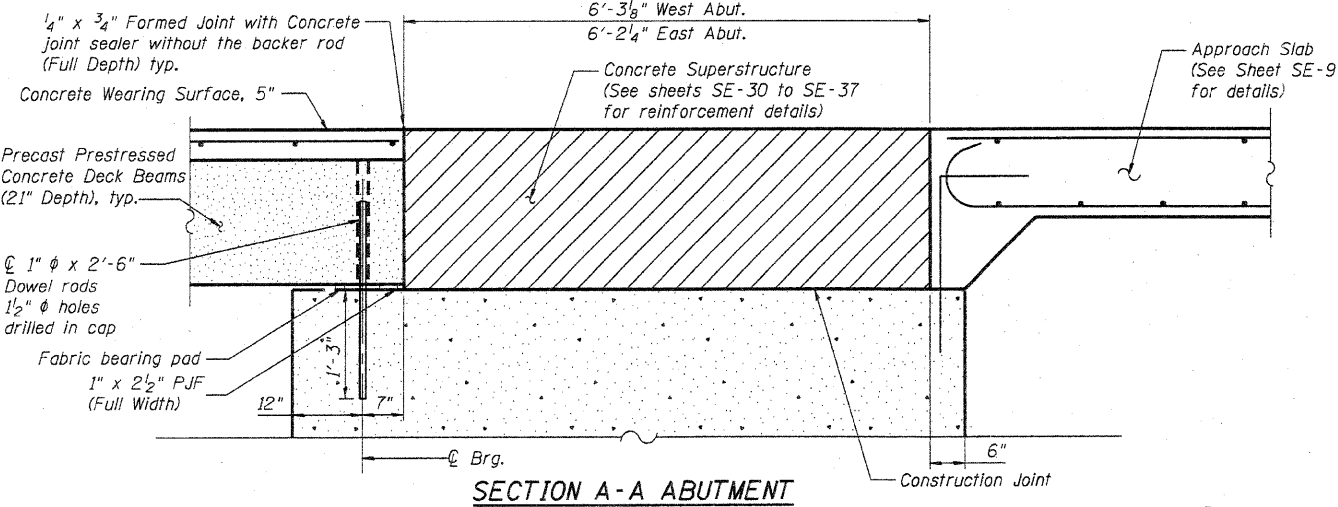


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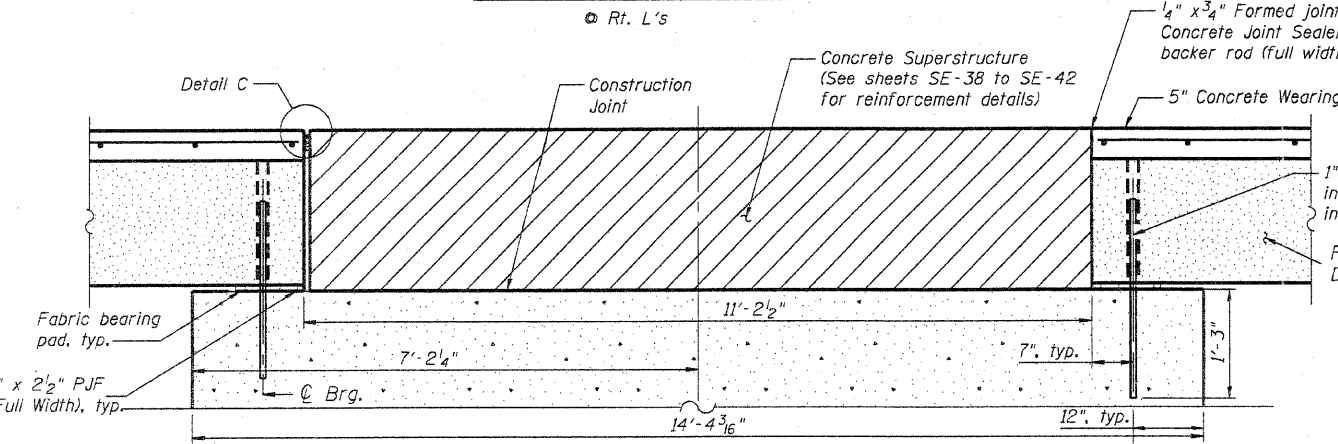
CITY OF AURORA
DOWNER PLACE OVER THE EAST BRANCH
OF THE FOX RIVER

SUPERSTRUCTURE PLAN & CROSS SECTION
STRUCTURE NO. 045-6005

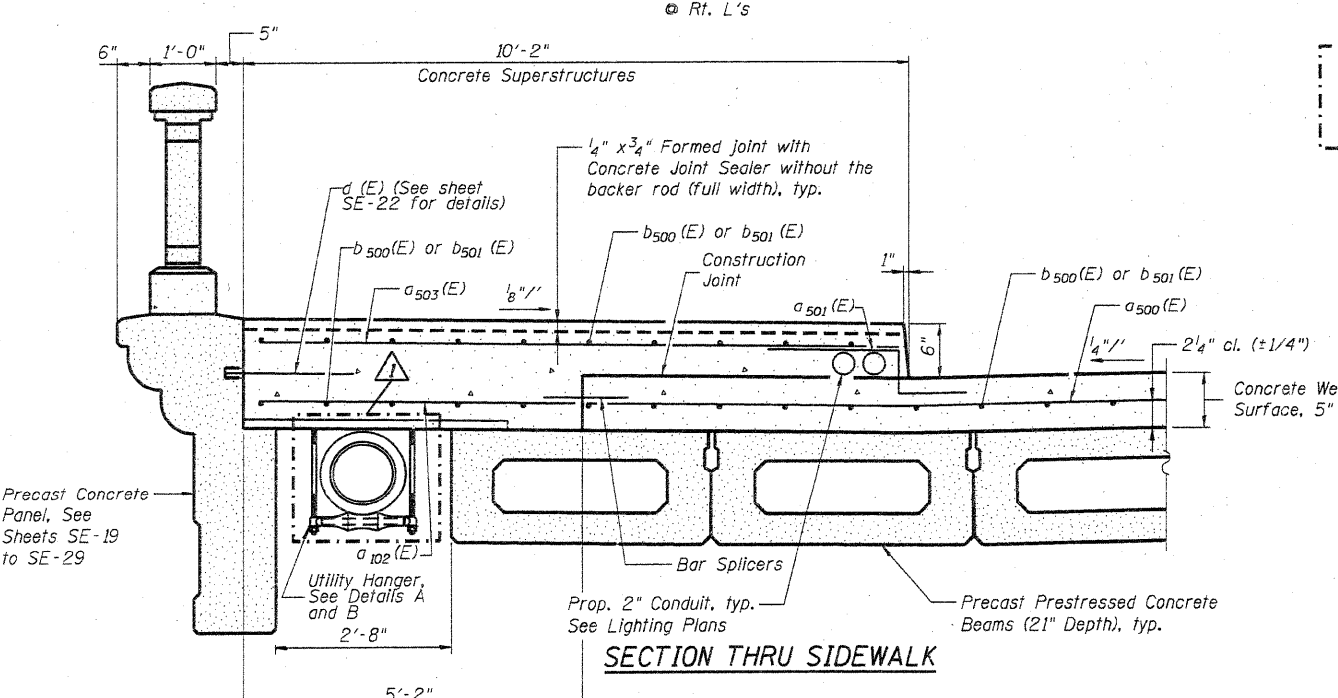
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CONTRACT NO. 63620			ILLINOIS FED. AID PROJECT	



SECTION A-A ABUTMENT
 Rt. L's

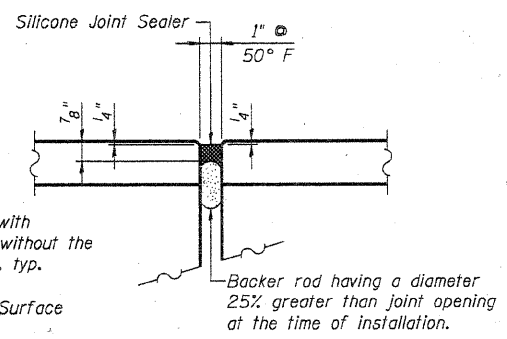


SECTION B-B
 Rt. L's

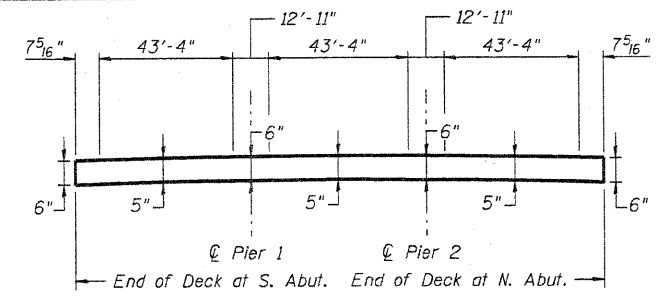


SECTION THRU SIDEWALK

BAR a 102(E)

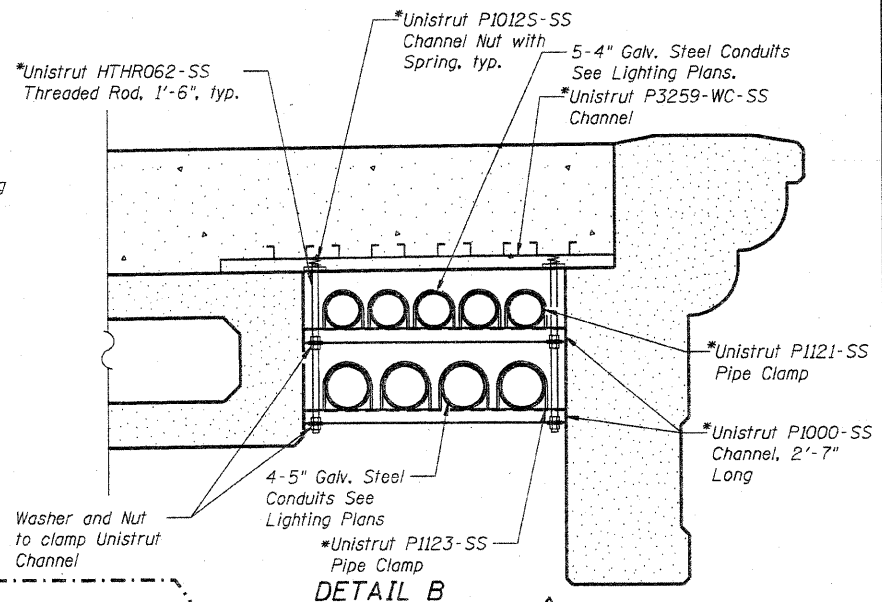


DETAIL C

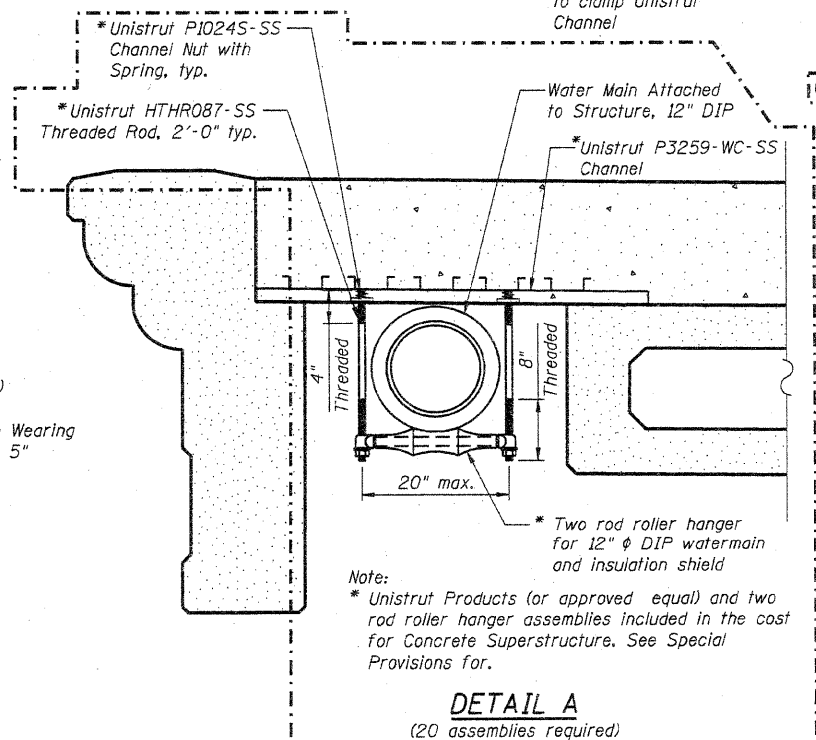


ANTICIPATED CONCRETE WEARING SURFACE PROFILE

(For information only)
 Thickness is based on calculated camber and deflection of PPC Deck Beams. Actual camber of individual units may vary up to ±1/2". Adjust thickness to match PGL and cross slope.



DETAIL B



DETAIL A

BILL OF MATERIALS

Bar No.	No.	Size	Length	Shape
C1500	258	#4	28'- 2"	
C1501	320	#5	2'- 1"	
C1502	258	#4	5'- 8"	
C1503	320	#5	10'- 4"	
C1504	48	#5	6'- 5"	
C1505	20	#4	3'- 6"	
D1500	466	#5	23'- 4"	
D1501	44	#5	35'- 0"	
D1502	2	#4	18'- 9"	
D1503	32	#4	11'- 0"	
Concrete Superstructure		Cu. Yd.		89.9
Bridge Deck Grooving		Sq. Yd.		761
Protective Coat		Sq. Yd.		1,206
Reinforcement Bars, Epoxy Coated		Pound		23,550
Bar Splicers		Each		258
Concrete Wearing Surface, 5"		Sq. Yd.		715
Silicone Joint Sealer, 1"		Foot		150

Note:
 * Unistrut Products (or approved equal) and two rod roller hanger assemblies included in the cost for Concrete Superstructure. See Special Provisions for.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Michael G. Harshbarger
 DATE PLOTTED: 9/9/2011 9:54:38 AM
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PLOT SCALE = N.T.S.	CHECKED - RGD	REVISED
PLOT DATE = 9/9/2011	DRAWN - WJH	REVISED
	CHECKED -	REVISED

CITY OF AURORA
DOWNER PLACE OVER THE EAST BRANCH
OF THE FOX RIVER

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 045-6005

SHEET NO. SE-11 OF SE-45 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	111
CONTRACT NO. 63620			ILLINOIS FED. AID PROJECT	