

ROCK RIVER WATER RECLAMATION DISTRICT

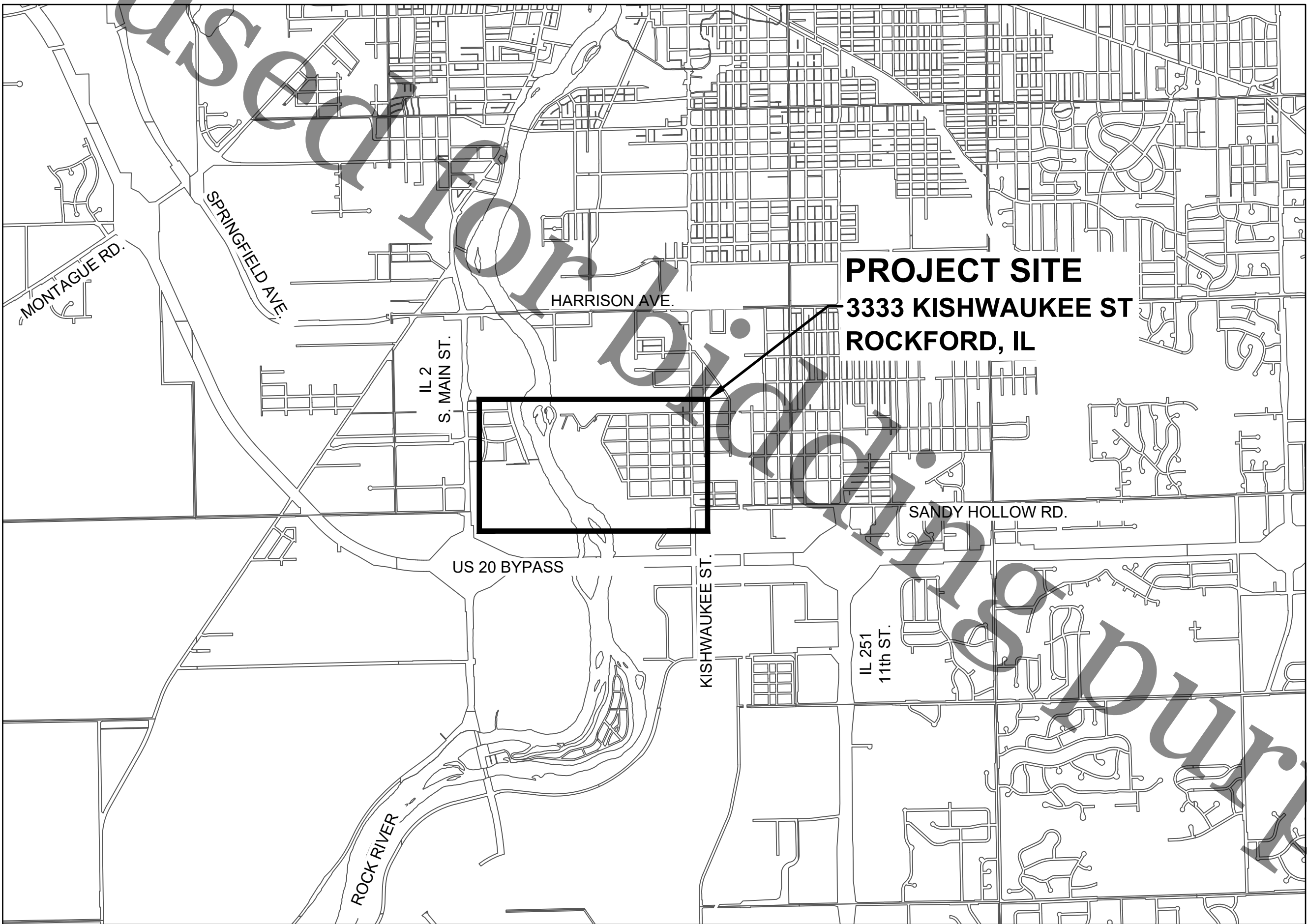
PLANT ROADWAY REPLACEMENT 2019 CAPITAL IMPROVEMENT PROJECT #2006 2019

BOARD OF TRUSTEES

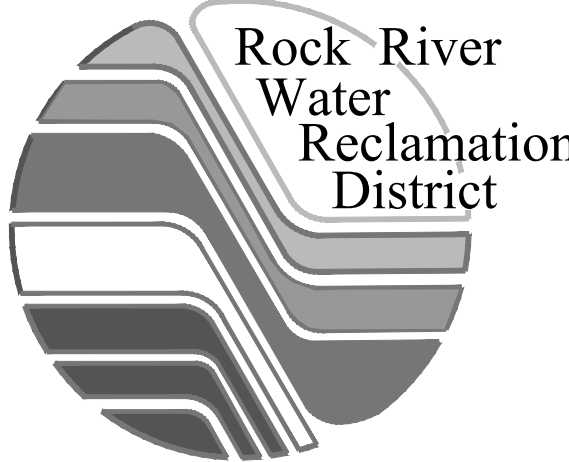
DONALD MASSIER	PRESIDENT
ELMER JONES	VICE-PRESIDENT
RICHARD POLLACK	CLERK/TREASURER
JOHN SWEENEY	TRUSTEE
BEN BERNSTEN	TRUSTEE

OFFICIALS

TIMOTHY S. HANSON	DISTRICT DIRECTOR
CHRISTOPHER T. BAER, PE	ENGINEERING MANAGER

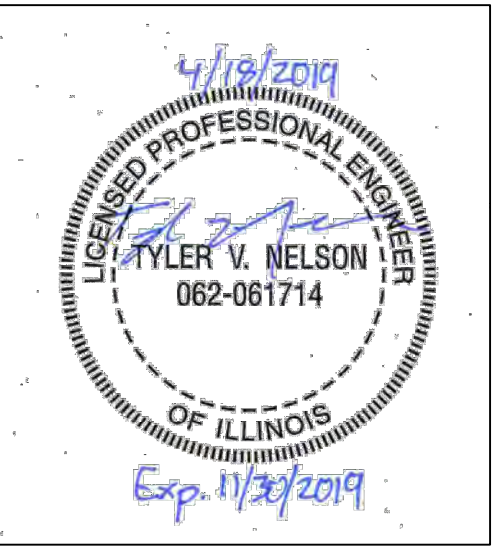


WINNEBAGO COUNTY, ILLINOIS



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LEGEND		
EXISTING	PROPOSED	
		RIGHT OF WAY LINE
		PROPERTY LINE
		BUILDING
		WATER EDGE
		EASEMENT - PERMANENT SANITARY
		EASEMENT - TEMPORARY CONSTRUCTION
		VEGETATION / TREE LINE
		TREE DRIPLINE
		CONTOUR - MAJOR
		CONTOUR - MINOR
		FENCE
		FENCE - TEMPORARY CONSTRUCTION
		FENCE - SILT
		ROADWAY CENTERLINE
		EDGE OF PAVEMENT
		CURB & GUTTER
		GUARD RAIL
		RAILROAD TRACKS
		CABLE - OVERHEAD
		CABLE - UNDERGROUND
		ELECTRIC - OVERHEAD
		ELECTRIC - UNDERGROUND
		FIBER OPTIC
		GAS LINE
		TELEPHONE - OVERHEAD
		TELEPHONE - UNDERGROUND
		PEDESTALS (CATV, ELEC, TELE), HANDHOLE, GAS METER, ELEC. METER
		SOIL BORING
		BENCHMARK
		MAILBOX
		UTILITY POLE W/ GUY WIRE & MAST ARM LIGHT POLE
		TREE (DECIDUOUS & CONIFEROUS)
		BUSH & SHRUB
		GROUND / LANDSCAPE LIGHT
		SPOT ELEVATION

LEGEND		
EXISTING	PROPOSED	
		SANITARY MANHOLE & SANITARY SEWER
		SANITARY SEWER SERVICE & CLEANOUT
		SANITARY FORCEMAIN
		STORM SEWER
		STORM MANHOLE, CATCH BASIN, CURB INLET, INLET SPECIAL
		DRAINAGE CULVERT, WITH END SECTION
		WATER MAIN
		WATER SERVICE & WATER SERVICE VALVE
		WATER MAIN VALVE
		WATER MAIN VALVE WITH BOX
		WATER MAIN VALVE WITH VAULT
		WATER MAIN REDUCER
		FIRE HYDRANT
		EXISTING SURFACE TYPE (HOT-MIX ASPHALT, AGGREGATE, CONCRETE, TURF)
		DITCH CHECK
		INLET OR PIPE PROTECTION
		STABILIZED CONSTRUCTION ENTRANCE
		EROSION CONTROL BLANKET
		HEAVY DUTY EROSION CONTROL BLANKET
		SEEDING AREA, CLASS 1

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USE(S)	SURFACE COURSE	BINDER COURSE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	N/A
MIX UNIT WEIGHT	112 lbs/sy/in	112 lbs/sy/in
THESE MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT		

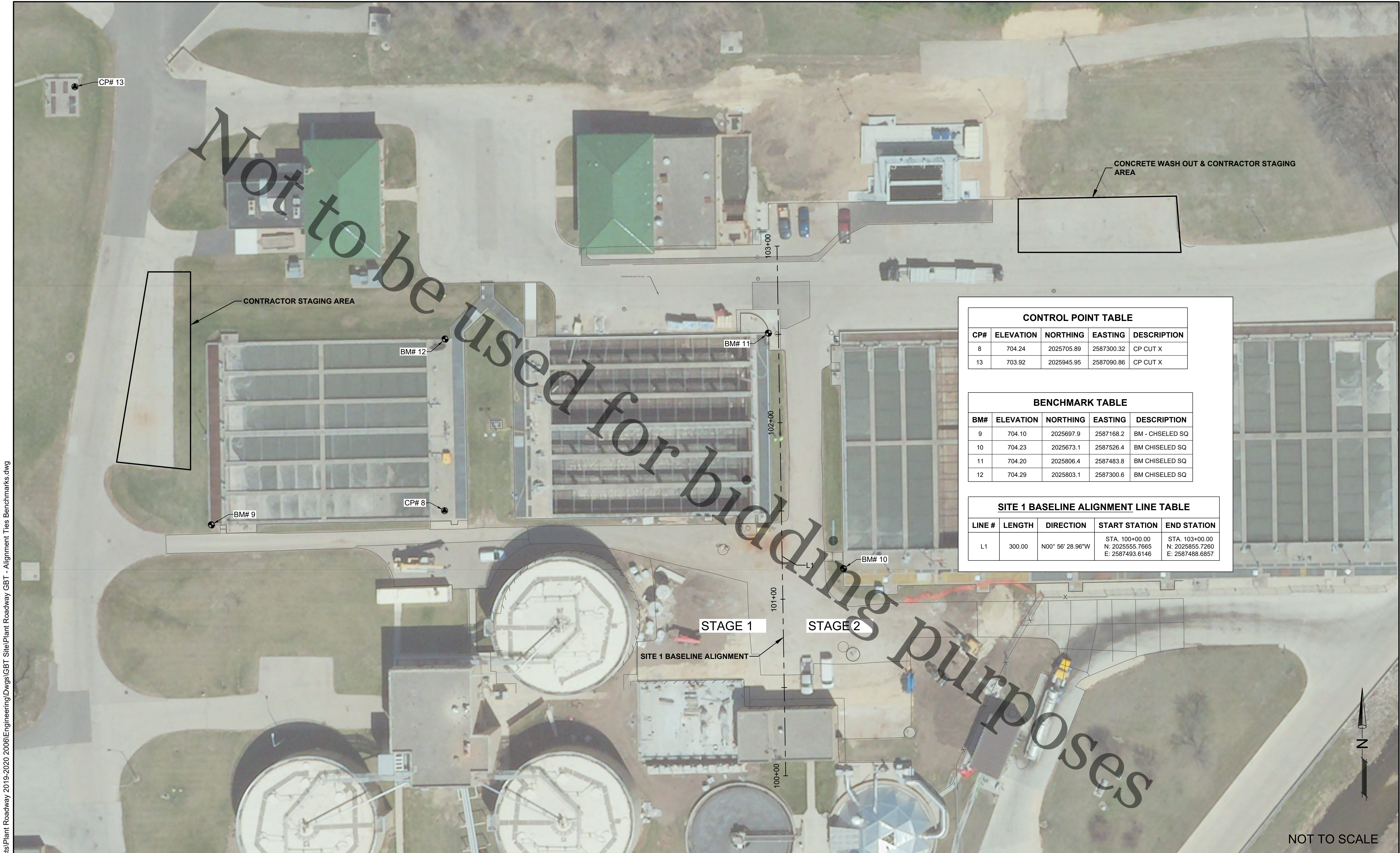
ABBREVIATIONS	
ABD = ABANDON(ED)	LS= LUMP SUM
CMP = CORRUGATED METAL PIPE	MH = MANHOLE
CO = CLEAN OUT	PVMNT = PAVEMENT
CTRL= CONTROL	PR = PROPOSED
CY = CUBIC YARD(S)	RCP = REINFORCED CONCRETE PIPE
DI = DUCTILE IRON	REM = REMOVE(D)
EA = EACH	REPL = REPLACE(D)
EL = ELEVATION	R/R = REMOVE & REPLACE
EROS= EROSION	SAN = SANITARY
EX = EXISTING	SVC = SERVICE
FM = FORCE MAIN	SY = SQUARE YARD(S)
FT = FEET	TY = TYPE
INV = INVERT	UNK = UNKNOWN
LF = LINEAR FEET	VCP = VITRIFIED CLAY PIPE
LINCIPP = LINED WITH CURED IN PLACE PIPE	WM = WATER MAIN

- ### GENERAL NOTES
- THE CONTRACTOR SHALL COORDINATE UTILITY LOCATES WITH WARREN ADAM, (815) 871-0787.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF WORK TO THE LINES AND GRADES SHOWN ON THESE PLANS. CONSTRUCTION SHALL NOT VARY FROM PLANS WITHOUT DISTRICT APPROVAL.
 - THE ROCK RIVER WATER RECLAMATION DISTRICT, MUNICIPALITIES, PERTINENT ROADWAY AUTHORITIES, AND ALL AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION CAN COMMENCE.
 - ALL CASTINGS SHALL BE SET TO FINAL GRADE PER ROCK RIVER WATER RECLAMATION DISTRICT REQUIREMENTS.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT 8-1-1 OR 1-800-892-0123 AND ANY OTHER UTILITIES NOT ON THE J.U.L.I.E. SYSTEM 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
 - ALL ROADWAY CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH DISTRICT SPECIFICATIONS, AND THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, LATEST EDITION.
 - THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE I.E.P.A. STANDARDS AND SPECIFICATIONS, AND THE ILLINOIS URBAN MANUAL FOR SOIL EROSION AND SEDIMENT CONTROL.
 - PROTECTION OF WATER SUPPLIES SHALL BE PER THE REQUIREMENTS OF TITLE 35, C, SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS.

- ### IDOT HIGHWAY STANDARDS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 - 420001-09 PAVEMENT JOINTS
 - 420111-04 PCC PAVEMENT ROUNDOUTS
 - 420101-06 24' JOINTED PAVEMENT
 - 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT
 - 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
 - 604001-04 FRAME AND LIDS TYPE 1
 - 604041-03 FRAME AND GRATE TYPE 9
 - D2 18.4 CURB AND GUTTER OUTLET, SPECIAL
 - D2 11.2 INLETS, SPECIAL (TYPE A GUTTER)
 - COMB. CONC. CURB AND GUTTER TYPE M6.18 MOD.

Item No.	Item Description	Unit	Qty.
1	Earth Excavation	CY	142
2	Removal and Disposal of Unsuitable Material	CY	20
3	Subbase Granular Material, Type C, Variable Depth	Ton	3200
4	Pavement Removal, Variable Depth	SY	2168
5	Hot-Mix Asphalt Surface Removal - Butt Joint	SY	48
6	Portland Cement Concrete Slab Removal, 6"	SY	8
7	Remove Bollard	EA	3
8	Hot-Mix Asphalt Binder Course, IL-19.0, N50	Ton	44
9	Hot-Mix Asphalt Surface Course, IL-9.5, Mix 'C', N50	Ton	37
10	Portland Cement Concrete Pavement (Jointed), 10"	SY	1934
11	Portland Cement Concrete Sleeper Slab	SY	31
12	Portland Cement Concrete Sidewalk, 4"	SF	2534
13	Storm Sewers, Class 1, Type 1, 12", RCCP	LF	71
14	Inlet Special (Type A Gutter) with Type 9 Frame & Grate	EA	1
15	Precast Reinforced Concrete Flared End Section, 12"	EA	1
16	Class SI Concrete (Outlet)	CY	2
17	Combination Portland Cement Concrete Curb and Gutter, Type B6.18 (Mod.)	LF	954
18	Manhole To Be Abandoned, Special	EA	3
19	Manhole To Be Adjusted with New Type 1 Frame, Closed Lid	EA	1
20	Manhole To Be Reconstructed with New Type 1 Frame, Closed Lid, Special	EA	3
21	Valve Box To Be Adjusted	EA	4
22	Cut and Cap Existing Pipe	EA	3
23	Bollards	EA	7
24	Inlet and Pipe Protection	EA	1
25	Erosion Control Blanket	SY	360
26	Turf Restoration, Complete	LS	1
27	Traffic Control & Protection, Complete	LS	1
28	Construction Layout	LS	1





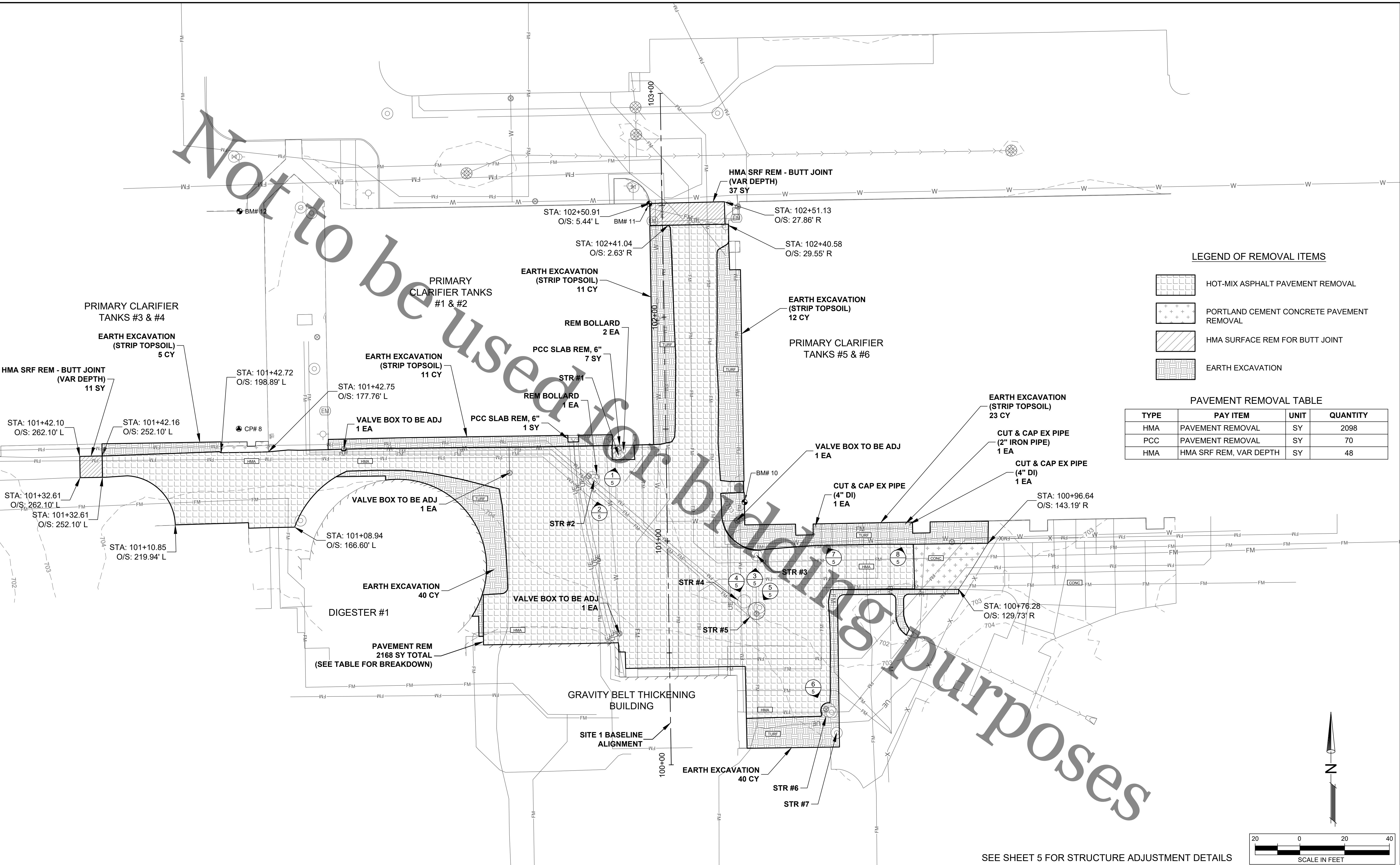
CONTROL POINT TABLE				
CP#	ELEVATION	NORTHING	EASTING	DESCRIPTION
8	704.24	2025705.89	2587300.32	CP CUT X
13	703.92	2025945.95	2587090.86	CP CUT X

BENCHMARK TABLE				
BM#	ELEVATION	NORTHING	EASTING	DESCRIPTION
9	704.10	2025697.9	2587168.2	BM - CHSELED SQ
10	704.23	2025673.1	2587526.4	BM CHISELED SQ
11	704.20	2025806.4	2587483.8	BM CHISELED SQ
12	704.29	2025803.1	2587300.6	BM CHISELED SQ

SITE 1 BASELINE ALIGNMENT LINE TABLE				
LINE #	LENGTH	DIRECTION	START STATION	END STATION
L1	300.00	N00° 56' 28.96"W	STA. 100+00.00 N: 2025555.7665 E: 2587493.6146	STA. 103+00.00 N: 2025855.7260 E: 2587488.6857

NOT TO SCALE

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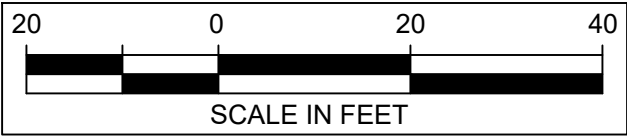
LEGEND OF REMOVAL ITEMS

- HOT-MIX ASPHALT PAVEMENT REMOVAL
- PORTLAND CEMENT CONCRETE PAVEMENT REMOVAL
- HMA SURFACE REM FOR BUTT JOINT
- EARTH EXCAVATION

PAVEMENT REMOVAL TABLE

TYPE	PAY ITEM	UNIT	QUANTITY
HMA	PAVEMENT REMOVAL	SY	2098
PCC	PAVEMENT REMOVAL	SY	70
HMA	HMA SRF REM, VAR DEPTH	SY	48

SEE SHEET 5 FOR STRUCTURE ADJUSTMENT DETAILS



ROCK RIVER WATER
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3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

PLANT ROADWAY REPLACEMENT 2019
CAPITAL IMPROVEMENT PROJECT #2006

EXISTING CONDITIONS & REMOVALS

Sheet No.
4 OF 12

Date
4/23/2019

FOR BID



1 STR #1
4 SCALE: NONE



2 STR #2
4 SCALE: NONE



3 STR #3
4 SCALE: NONE



4 STR #4
4 SCALE: NONE



5 STR #5
4 SCALE: NONE



6 STR #6 & #7
4 SCALE: NONE

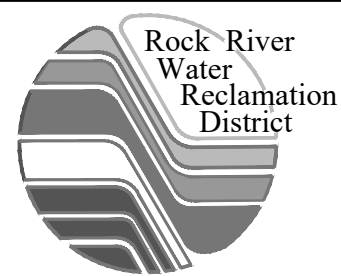


7 CUT & CAP PIPE
4 SCALE: NONE



8 CUT & CAP PIPE
4 SCALE: NONE

STRUCTURE ADJUSTMENT TABLE						
STR #	DIA.	DEPTH	PAY ITEM(S)	EX RIM ELEV	PR RIM ELEV	DESCRIPTION OF WORK
1	5'	6'	MANHOLE TO BE ADJUSTED	703.10	704.16	REMOVE EX 6" SLAB (PCC SLAB REM 6"). REMOVE EX FRAME. ADD ADJUSTING RINGS AND NEW TY 1 FRAME & CLOSED LID.
2	5'	6.5'	MANHOLE TO BE RECONSTRUCTED, SPECIAL	703.47	703.61	REM FRAME & LID, REM FLAT TOP, REM 28 INCH BARREL, ADD NEW 12 INCH BARREL, RE-INSTALL FLAT TOP, ADD NEW ADJUSTING RINGS, ADD NEW TY 1 FRAME & CLOSED LID.
3	UNK.	UNK.	MANHOLE TO BE ABANDONED, SPECIAL	702.65	NA	REM FRAME & LID, REM BARREL SECTION (UNKNOWN HEIGHT). PUNCTURE BOTTOM & FILL W/ PEA GRAVEL.
4	5'	6'	MANHOLE TO BE RECONSTRUCTED, SPECIAL	702.84	703.20	REM FRAME & LID, REM FLAT TOP, REM 16 INCH BARREL, RE-INSTALL FLAT TOP, ADD NEW ADJUSTING RINGS, ADD NEW TY 1 FRAME & CLOSED LID.
5	6'	10'	MANHOLE TO BE ABANDONED, SPECIAL	703.53	NA	REM FRAME & LID, REM FLAT TOP, REM 28 INCH BARREL. PUNCTURE BOTTOM & FILL W/ PEA GRAVEL.
6	5'	10'	MANHOLE TO BE ABANDONED, SPECIAL	703.33	NA	REM FRAME & LID, REM FLAT TOP, REM 24 INCH BARREL. PUNCTURE BOTTOM & FILL W/ PEA GRAVEL.
7	4'		MANHOLE TO BE RECONSTRUCTED, SPECIAL	703.45	704.20	REM FRAME & LID, REM CONE SECTION, TURN & REINSTALL CONE SECTION, ADD NEW ADJUSTING RINGS, ADD NEW TY 1 FRAME & CLOSED LID, MOVES STEPS IF NECESSARY.



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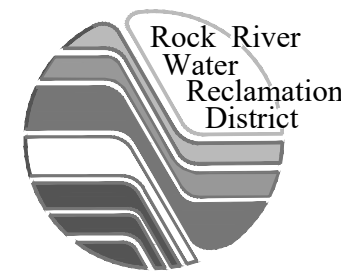
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PLANT ROADWAY REPLACEMENT 2019
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UTILITY ADJUSTMENT DETAILS

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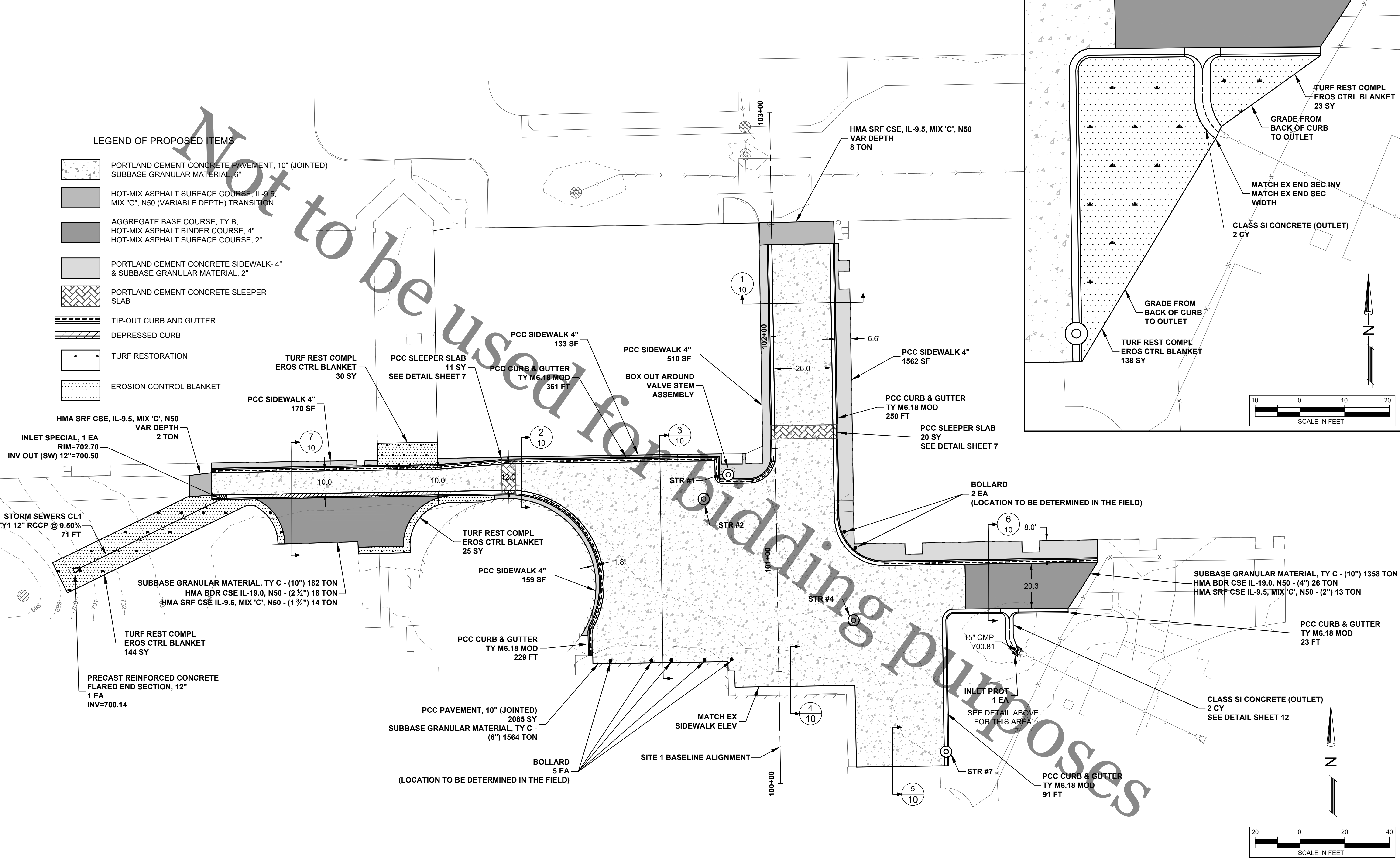
**PLANT ROADWAY REPLACEMENT 2019
CAPITAL IMPROVEMENT PROJECT #2006**

SITE PLAN

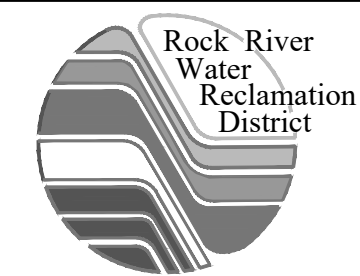
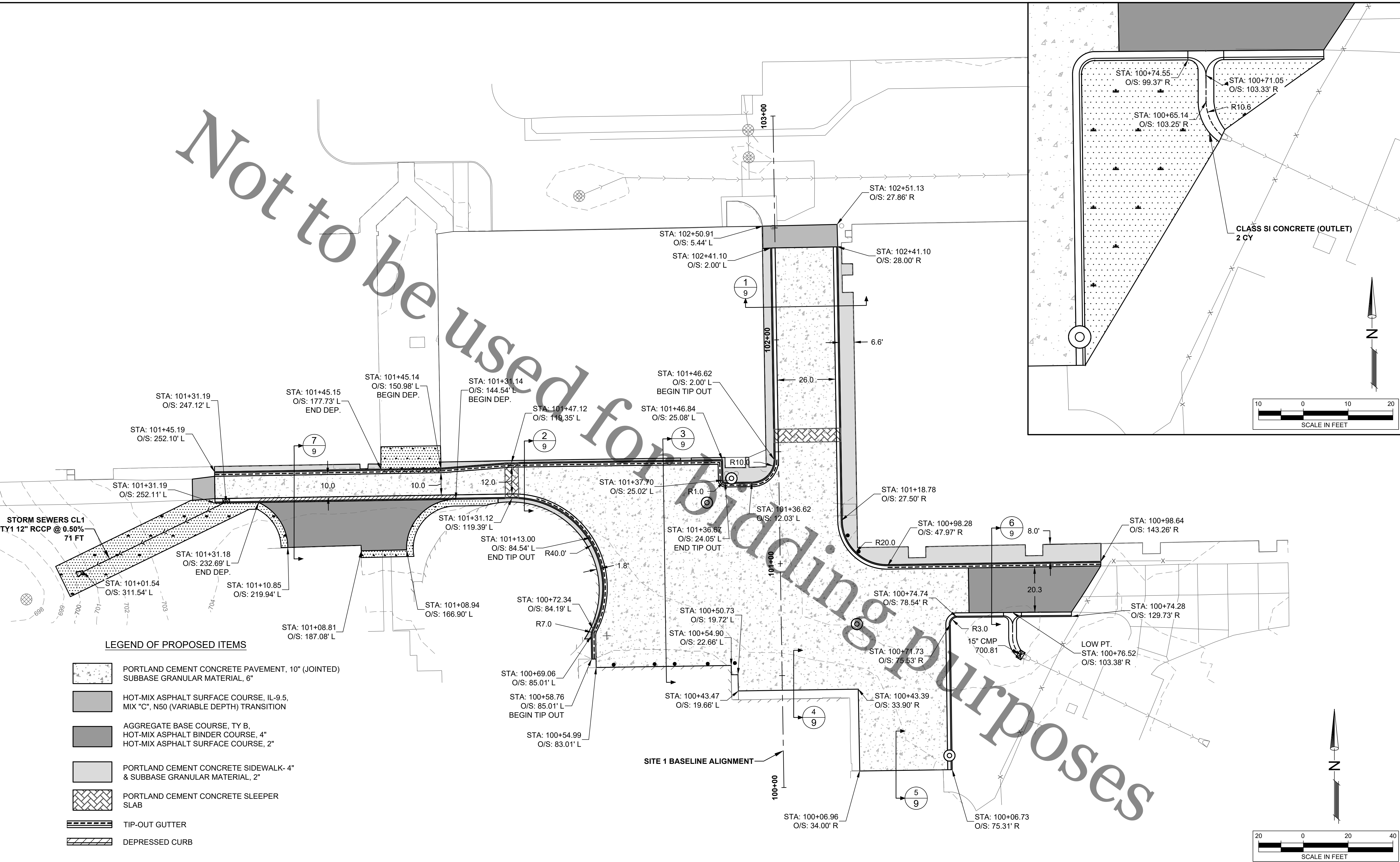
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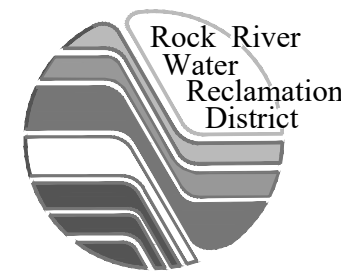
SITE PLAN LAYOUT

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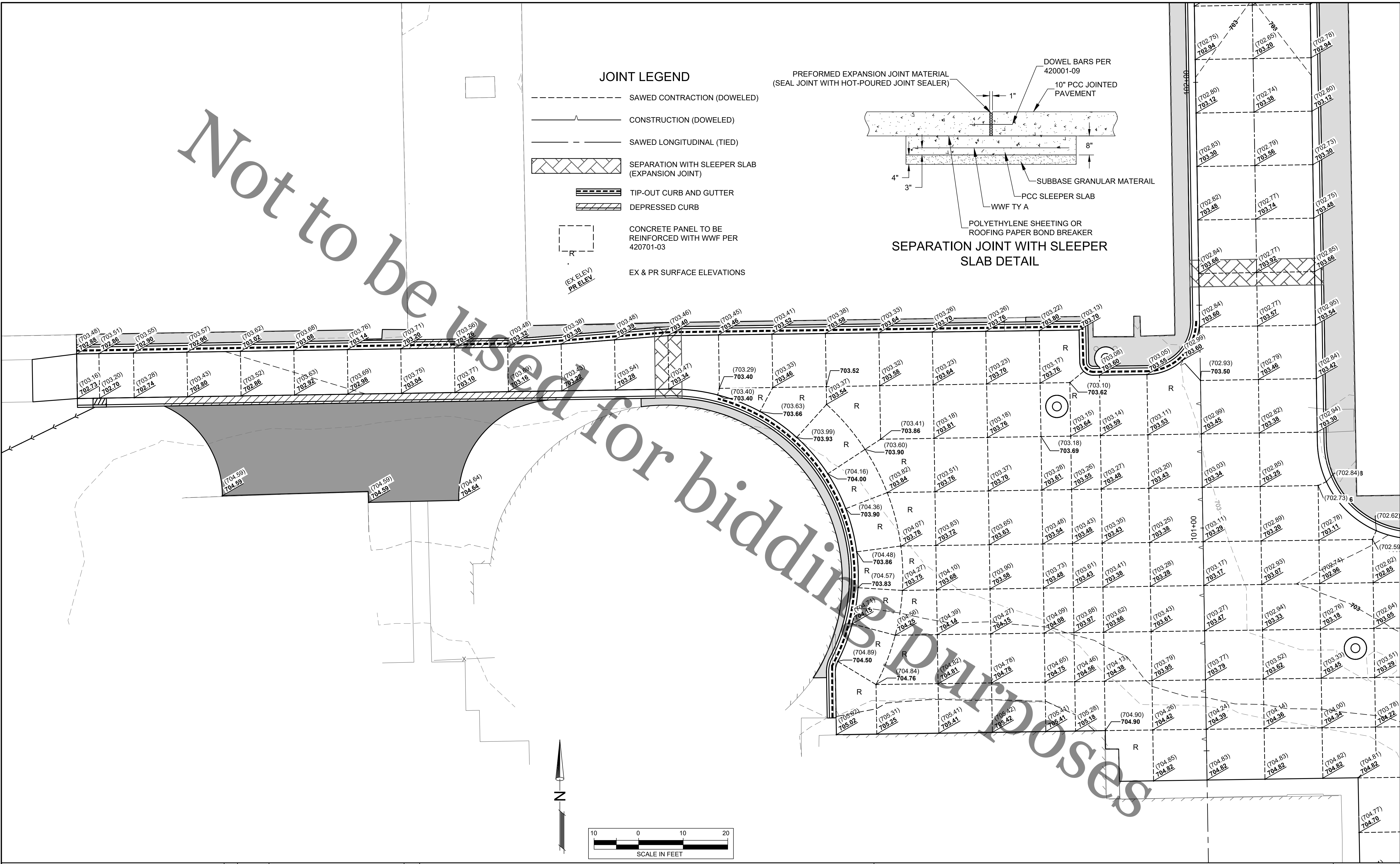
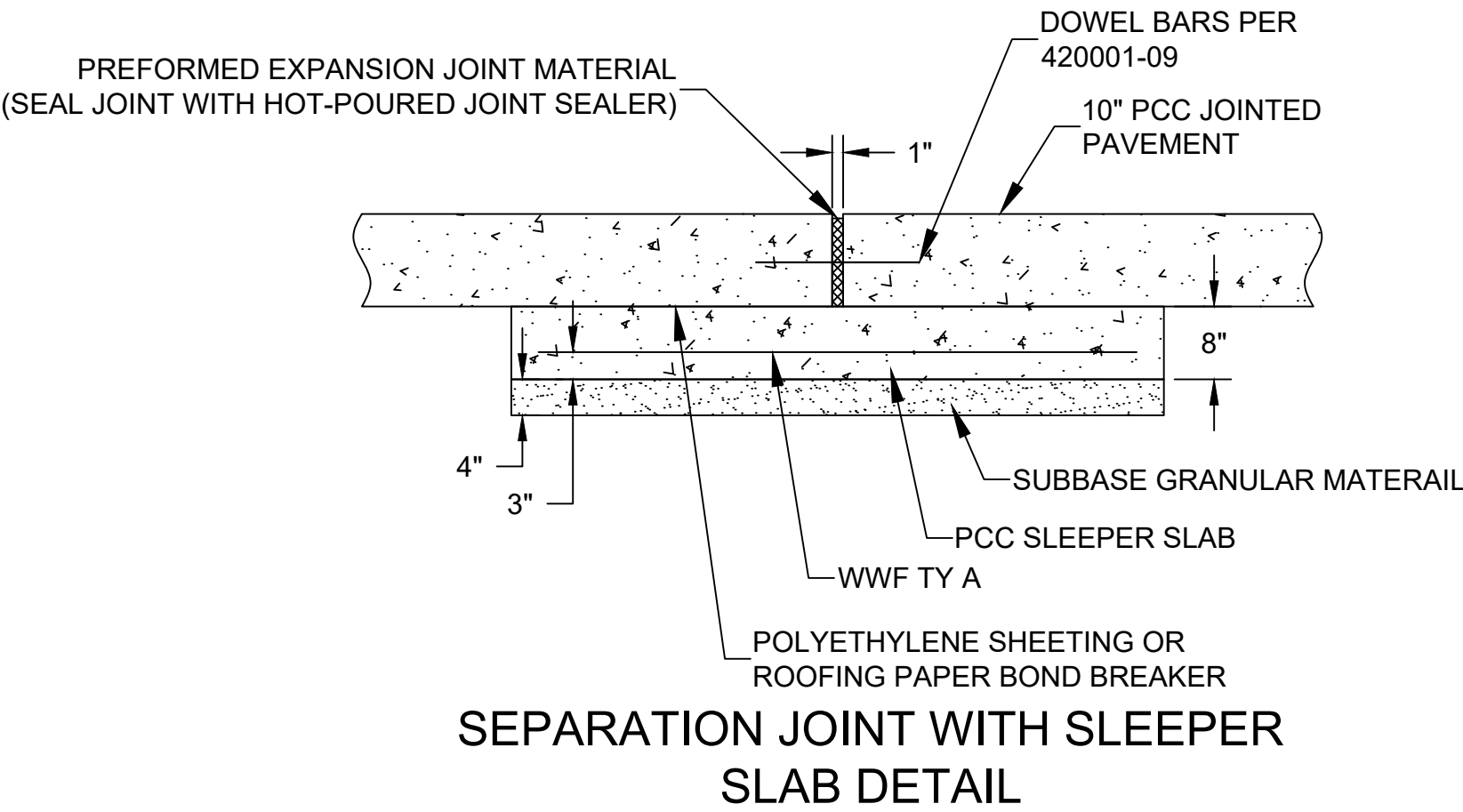
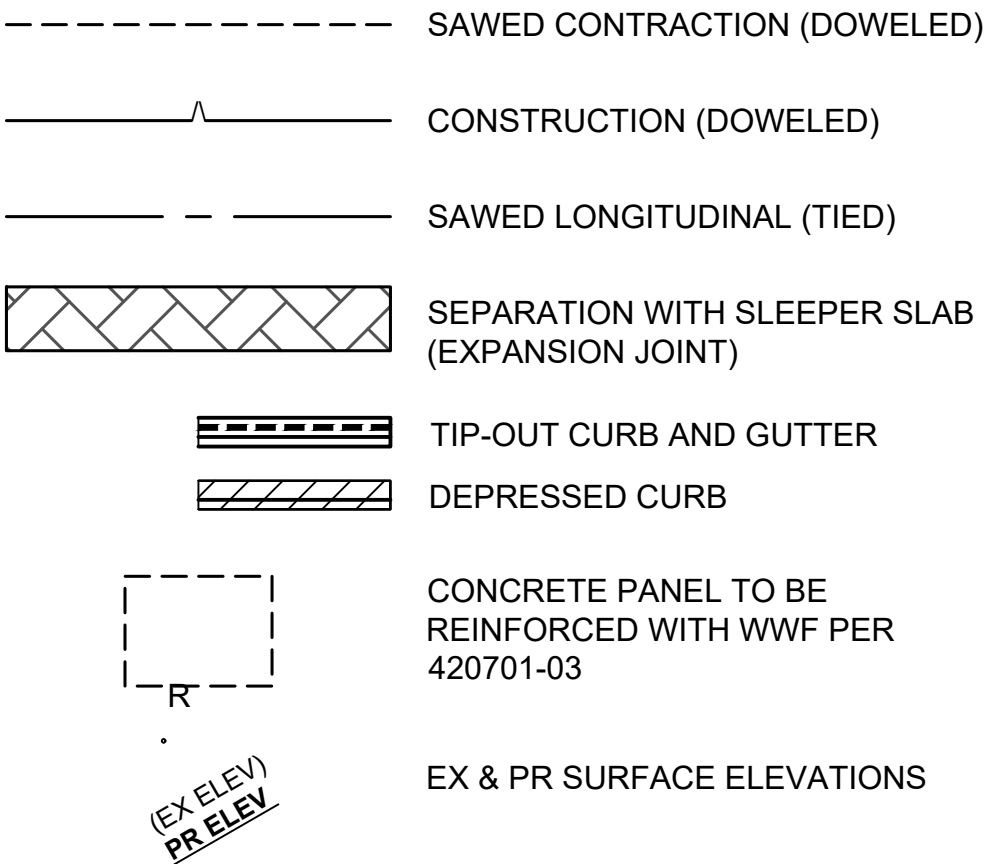
PAVEMENT JOINTING PLAN STAGE 1

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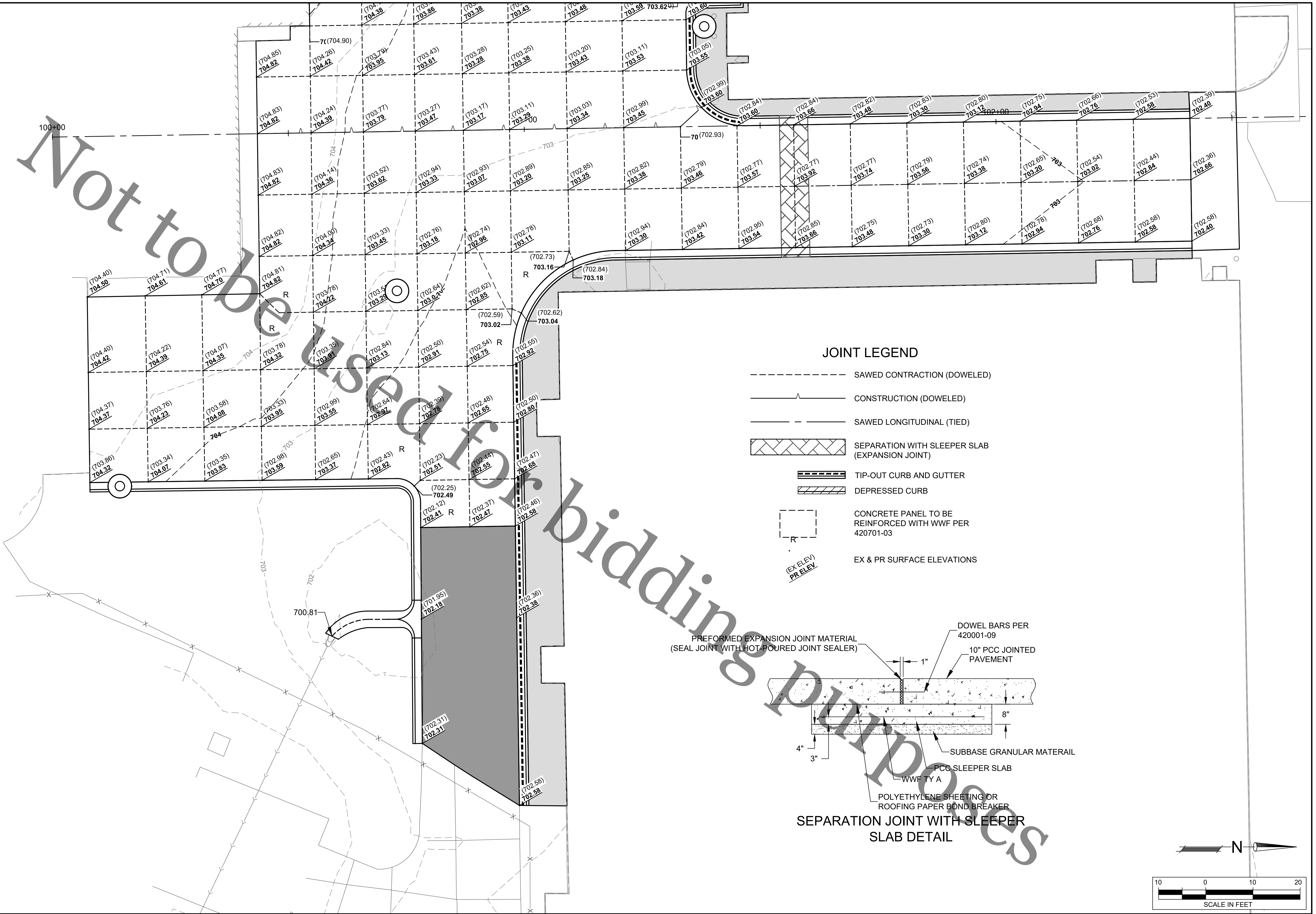
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JOINT LEGEND



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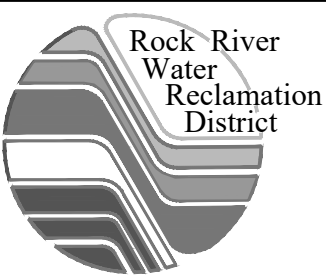
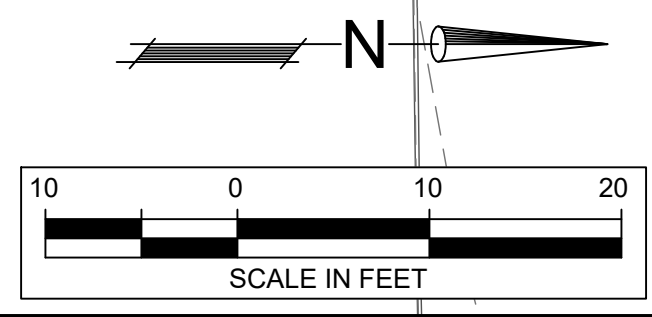


JOINT LEGEND

- SAWED CONTRACTION (DOWELED)
- CONSTRUCTION (DOWELED)
- SAWED LONGITUDINAL (TIED)
- [Hatched Box] SEPARATION WITH SLEEPER SLAB (EXPANSION JOINT)
- [Dashed Line] TIP-OUT CURB AND GUTTER
- [Hatched Box] DEPRESSED CURB
- [Box with 'R'] CONCRETE PANEL TO BE REINFORCED WITH WWF PER 420701-03
- (EX ELEV) (PR ELEV) EX & PR SURFACE ELEVATIONS

SEPARATION JOINT WITH SLEEPER SLAB DETAIL

Diagram showing a cross-section of a separation joint with a sleeper slab. Labels include: PREFORMED EXPANSION JOINT MATERIAL (SEAL JOINT WITH HOT-POURED JOINT SEALER), DOWEL BARS PER 420001-09, 10" PCC JOINTED PAVEMENT, 1", 8", 4", 3", SUBBASE GRANULAR MATERIAL, PCC SLEEPER SLAB, WWF TY A, POLYETHYLENE SHEETING OR ROOFING PAPER BOND BREAKER.



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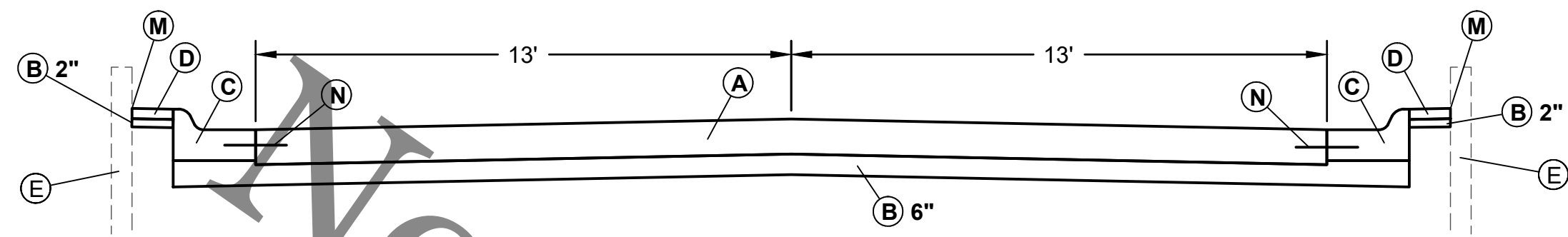
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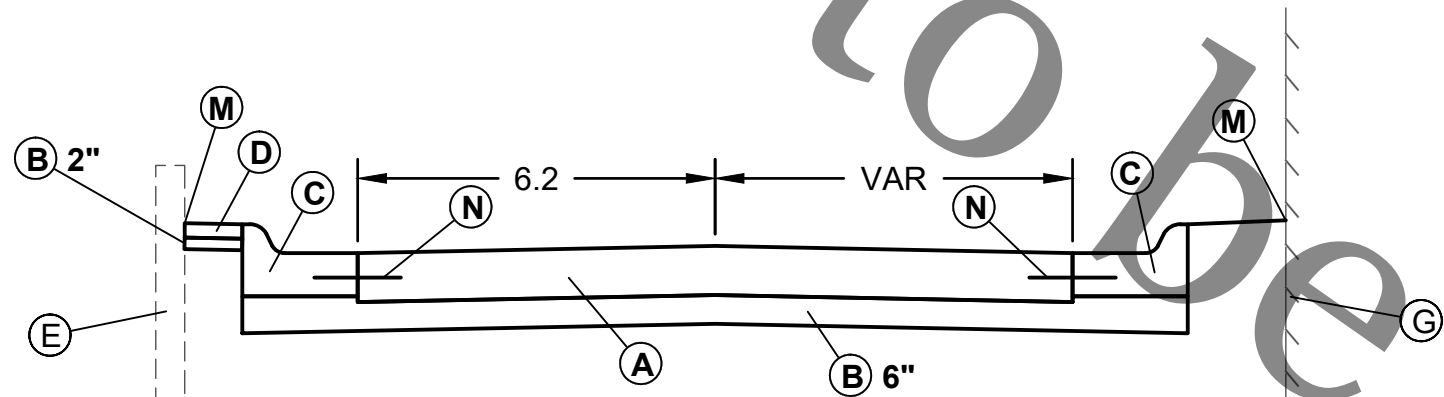
PAVEMENT JOINTING PLAN STAGE 2

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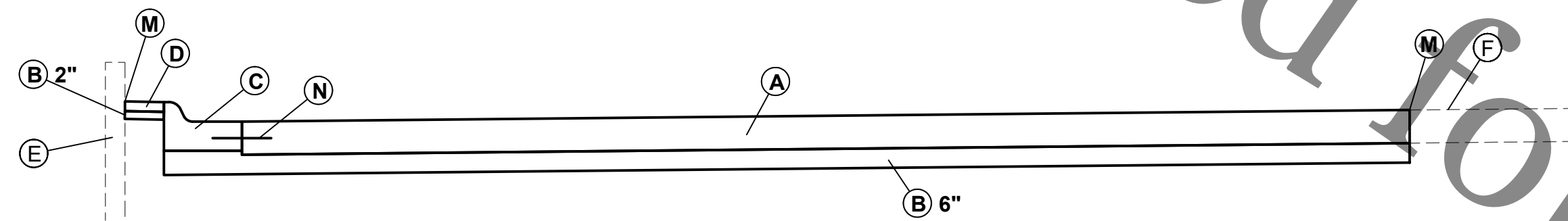
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1 PROPOSED SECTION 101+47 TO 102+41
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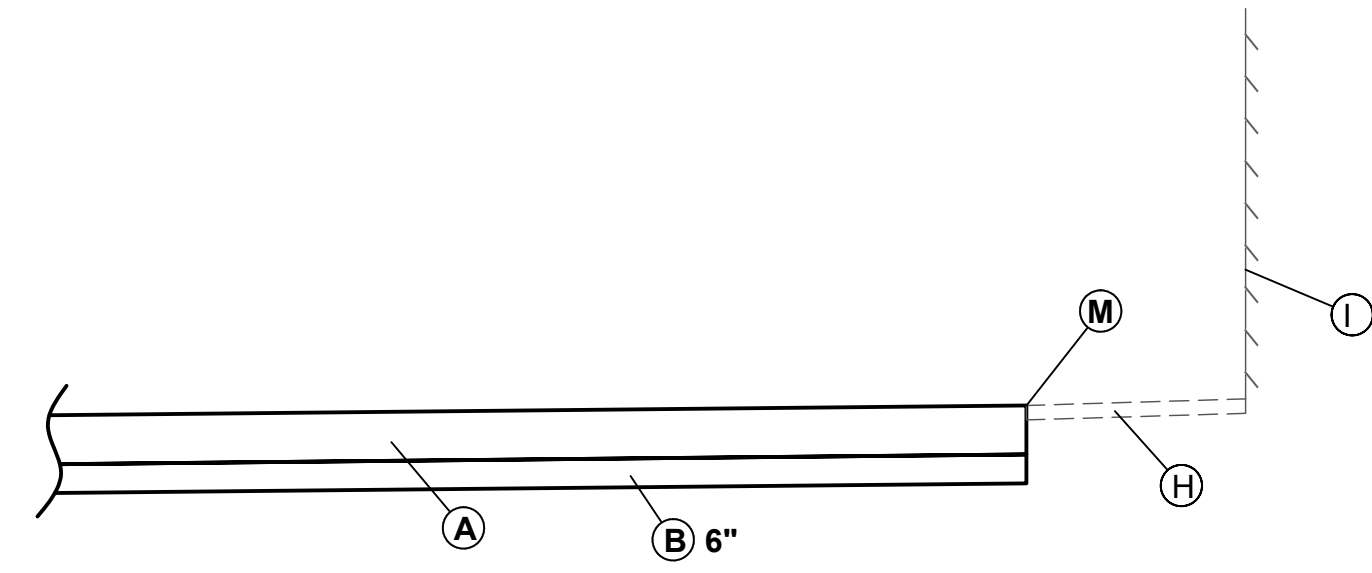
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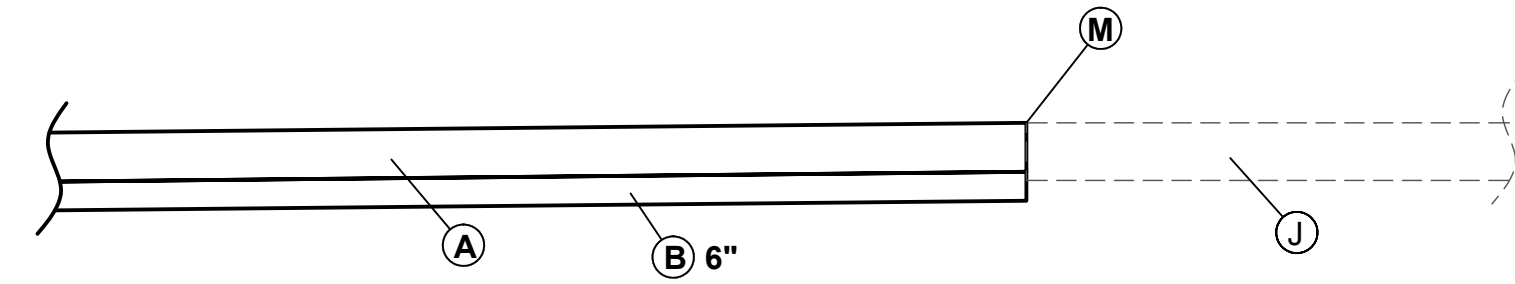
3 PROPOSED SECTION
SCALE: NONE

LEGEND

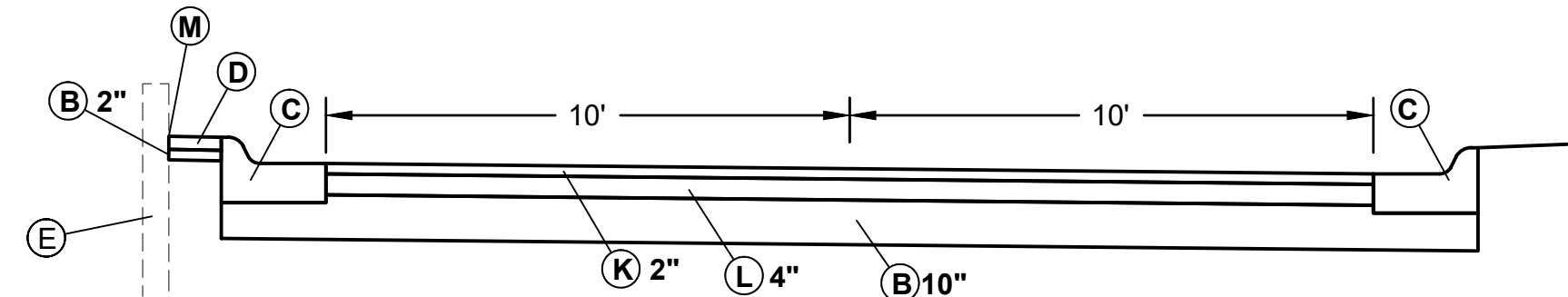
- (A) PROPOSED PCC PAVEMENT, 10" (JOINTED)
- (B) PROPOSED SUBBASE GRANULAR MATERIAL, 2", 6", OR 10"
- (C) PROPOSED CURB & GUTTER TY. M 6.18 MOD.
- (D) PROPOSED PCC SIDEWALK, 4" THK, VARIABLE WIDTH
- (E) EXISTING TANK WALL
- (F) EXISTING BUILDING FLOOR SLAB, MATCH ELEVATION
- (G) EXISTING ELEVATED TANK
- (H) EXISTING CONCRETE SIDEWALK, MATCH EXISTING ELEVATION
- (I) EXISTING BUILDING
- (J) EXISTING CONCRETE PAD, MATCH EXISTING ELEVATION
- (K) HMA SURFACE CSE, 1.75" OR 2"
- (L) HMA BDR CSE, 2.25" OR 4"
- (M) PREFORMED EXPANSION JOINT FILLER
- (N) TIE BARS IN ACCORDANCE WITH STANDARD 420001-09



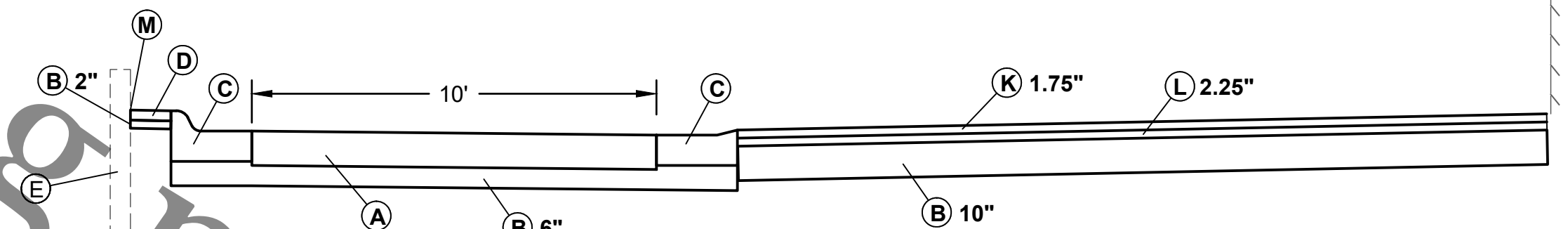
4 PROPOSED SECTION
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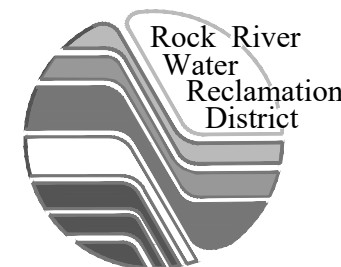
5 PROPOSED SECTION
SCALE: NONE



6 PROPOSED SECTION 100+86 82' RT TO EASTERLY LIMITS
SCALE: NONE



7 PROPOSED SECTION
SCALE: NONE



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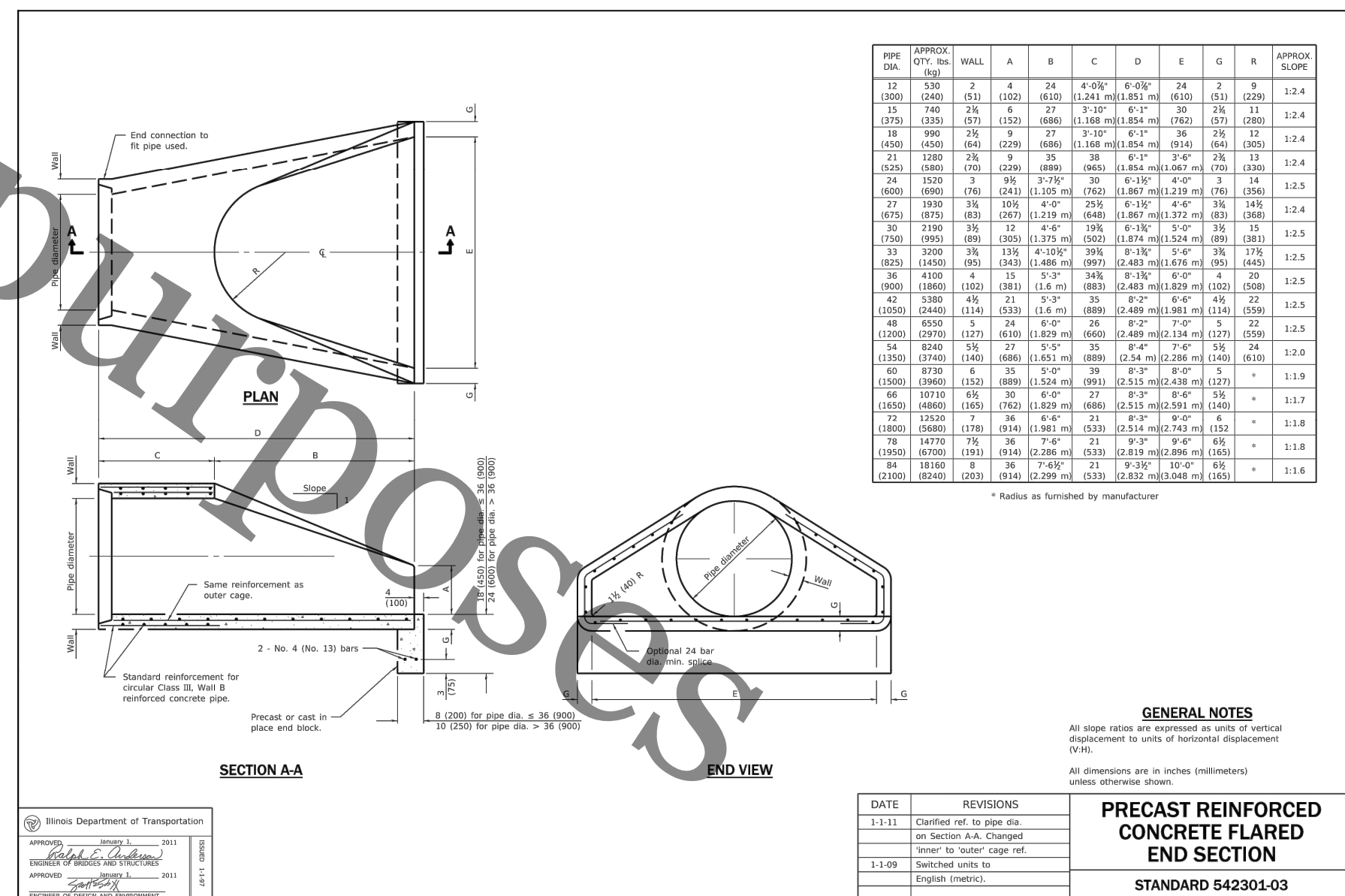
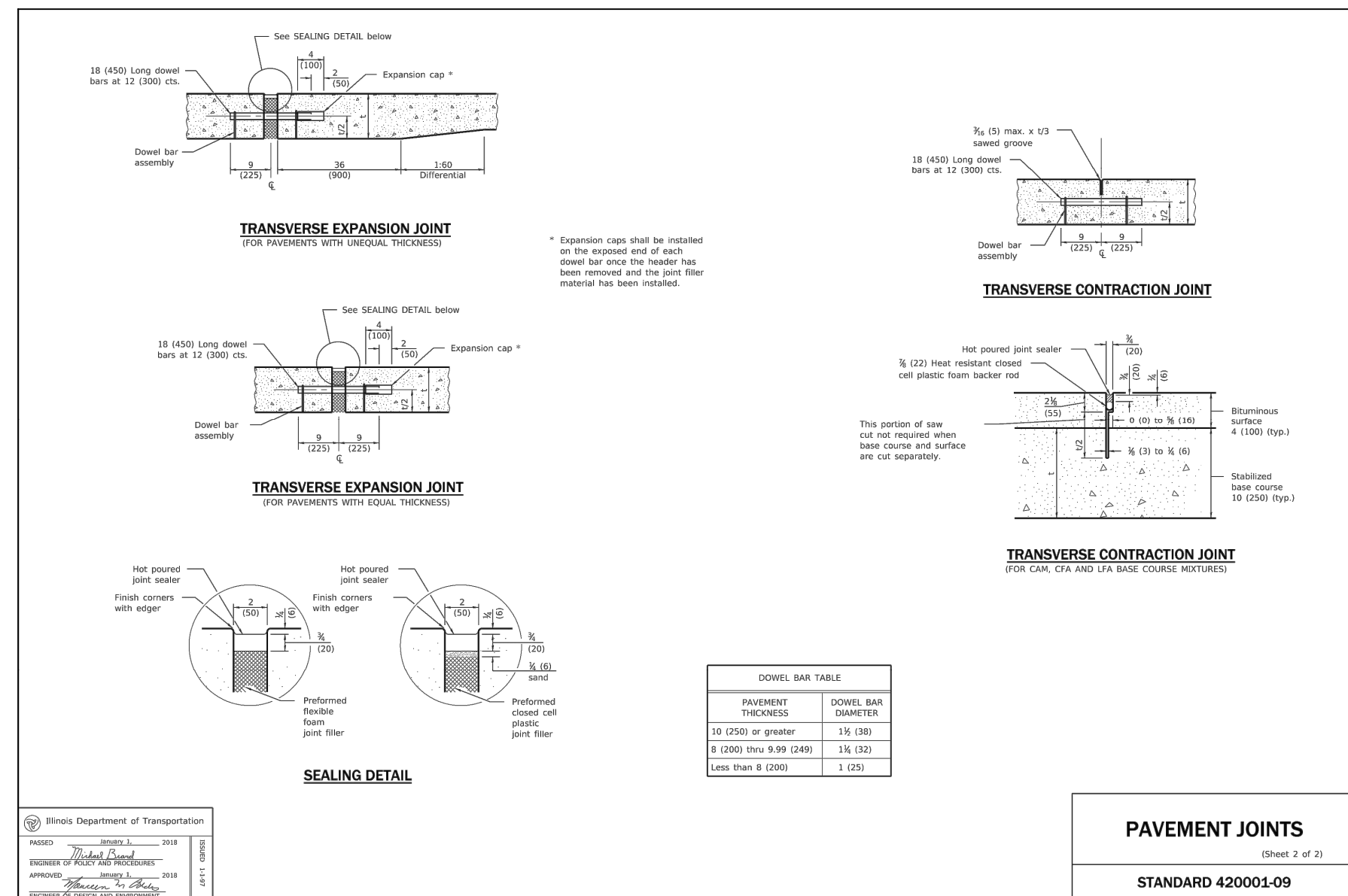
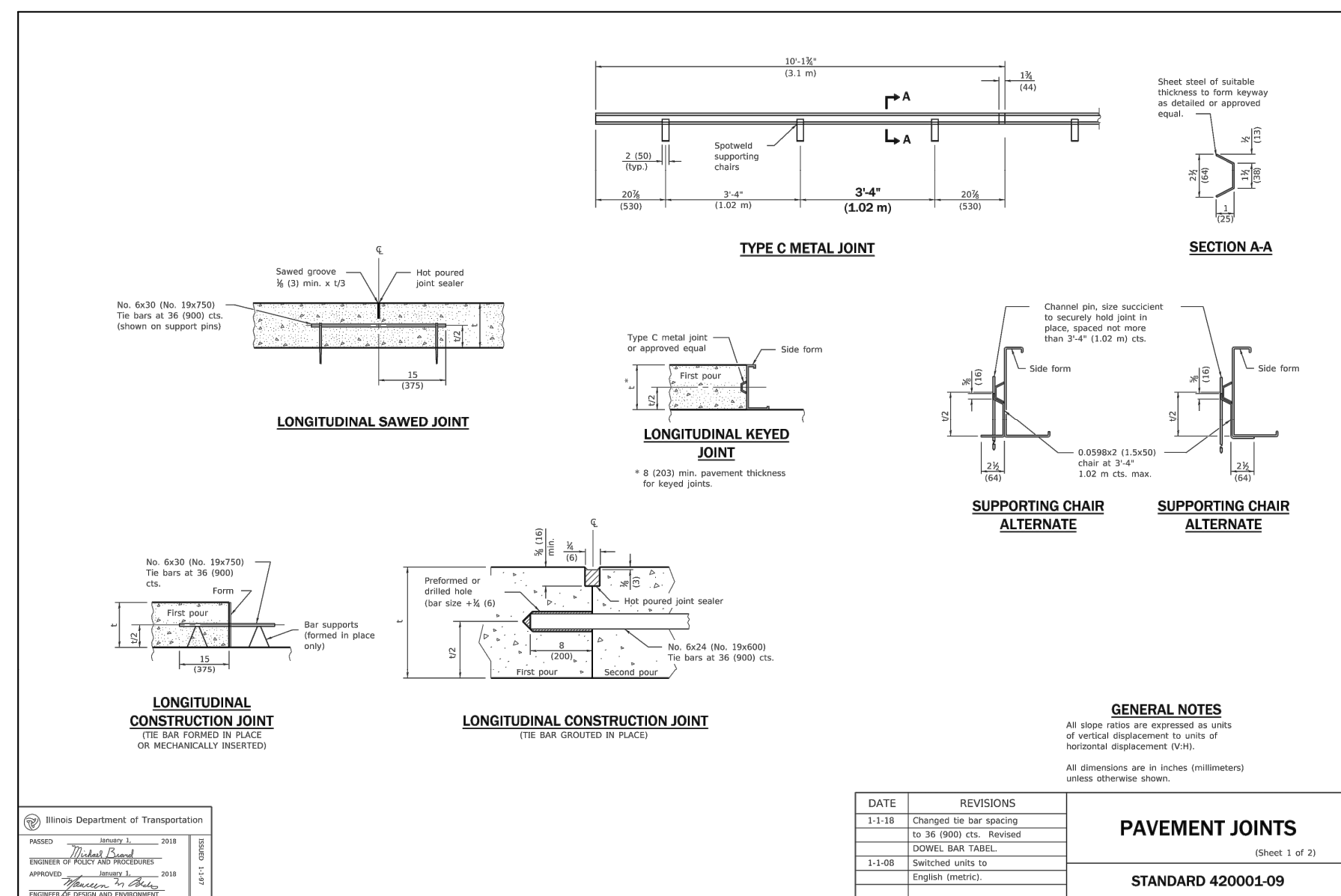
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CAPITAL IMPROVEMENT PROJECT #2006

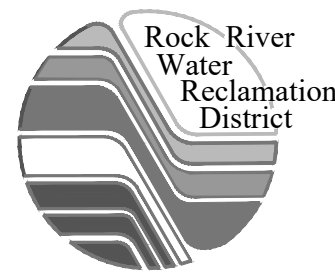
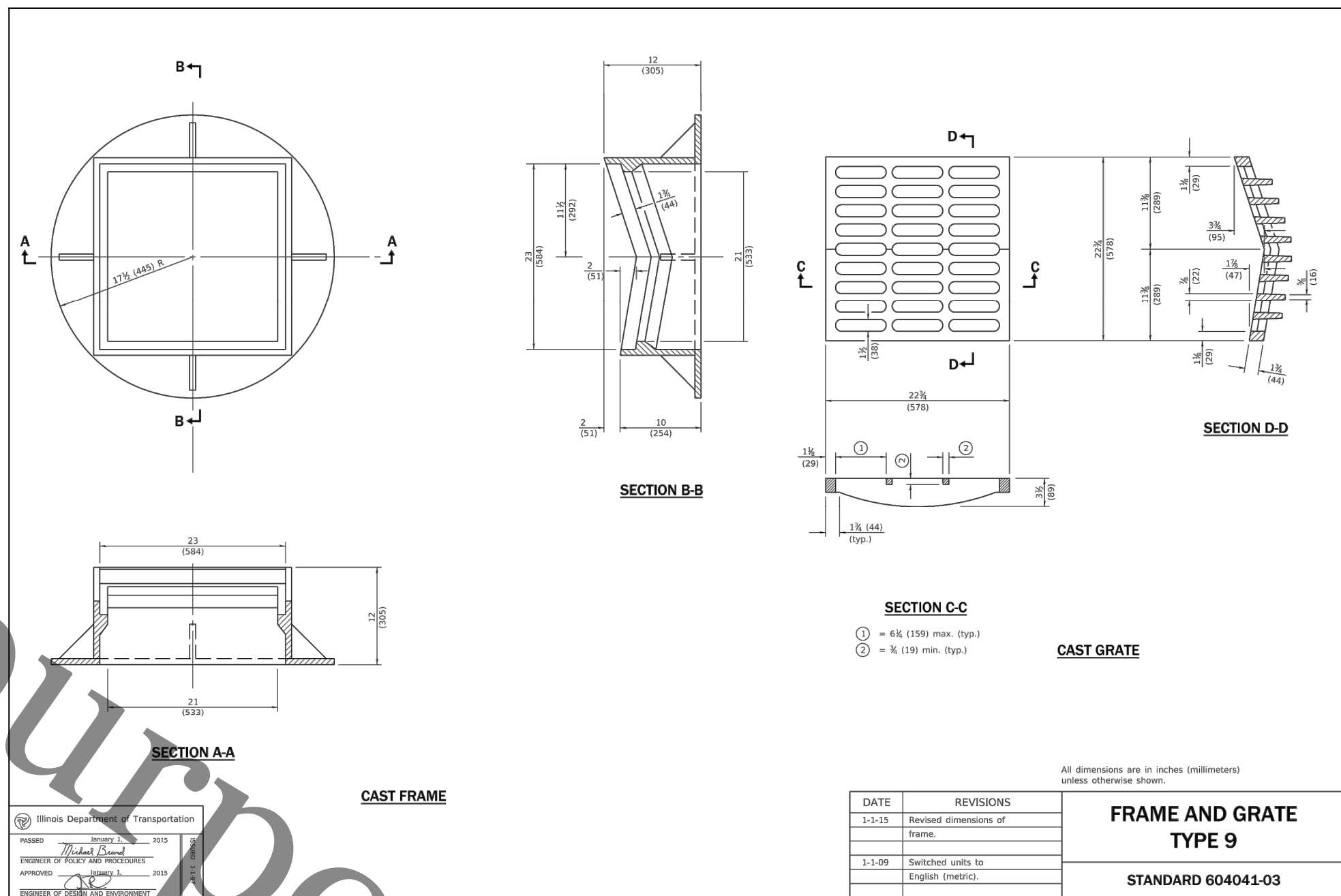
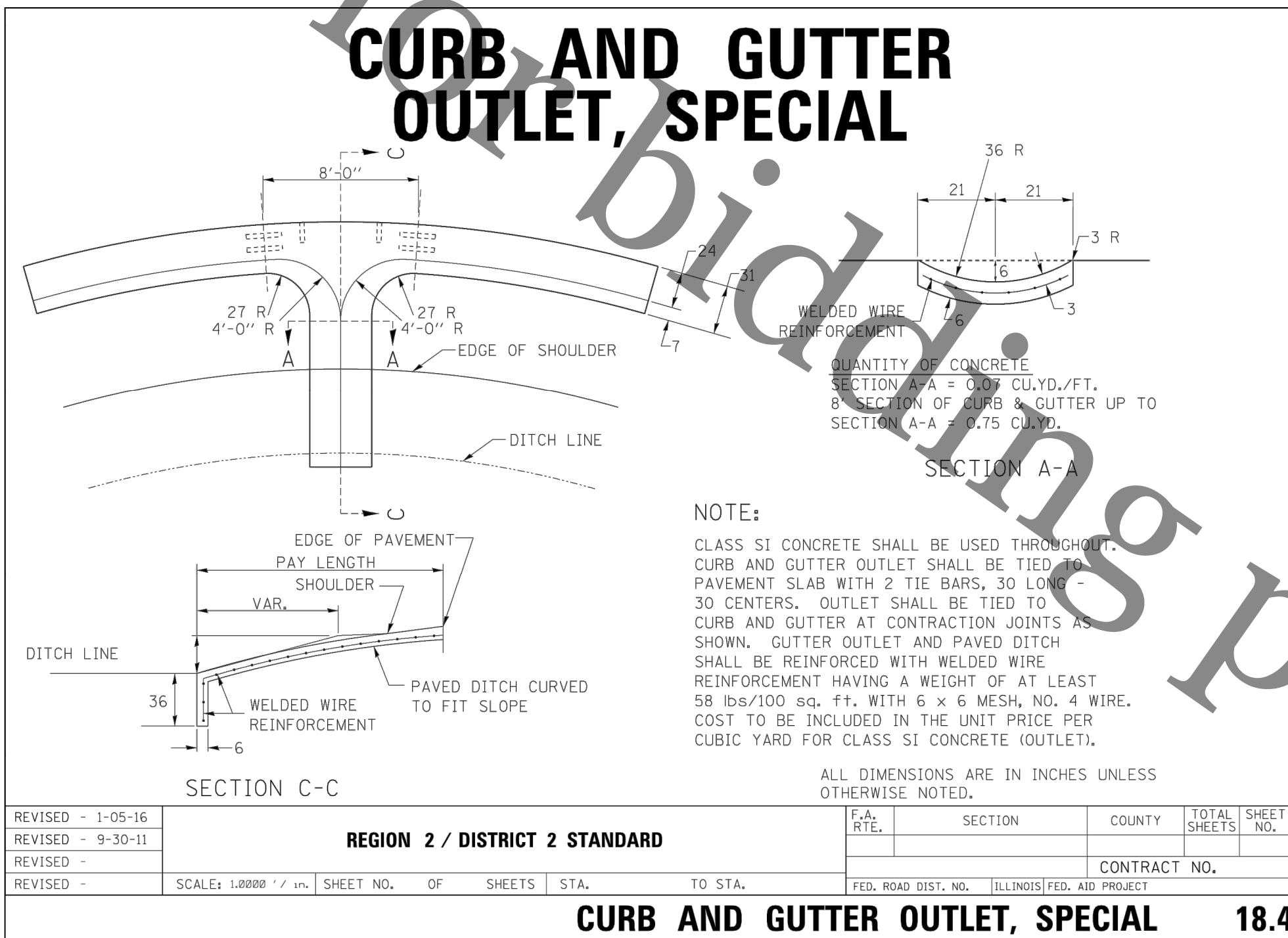
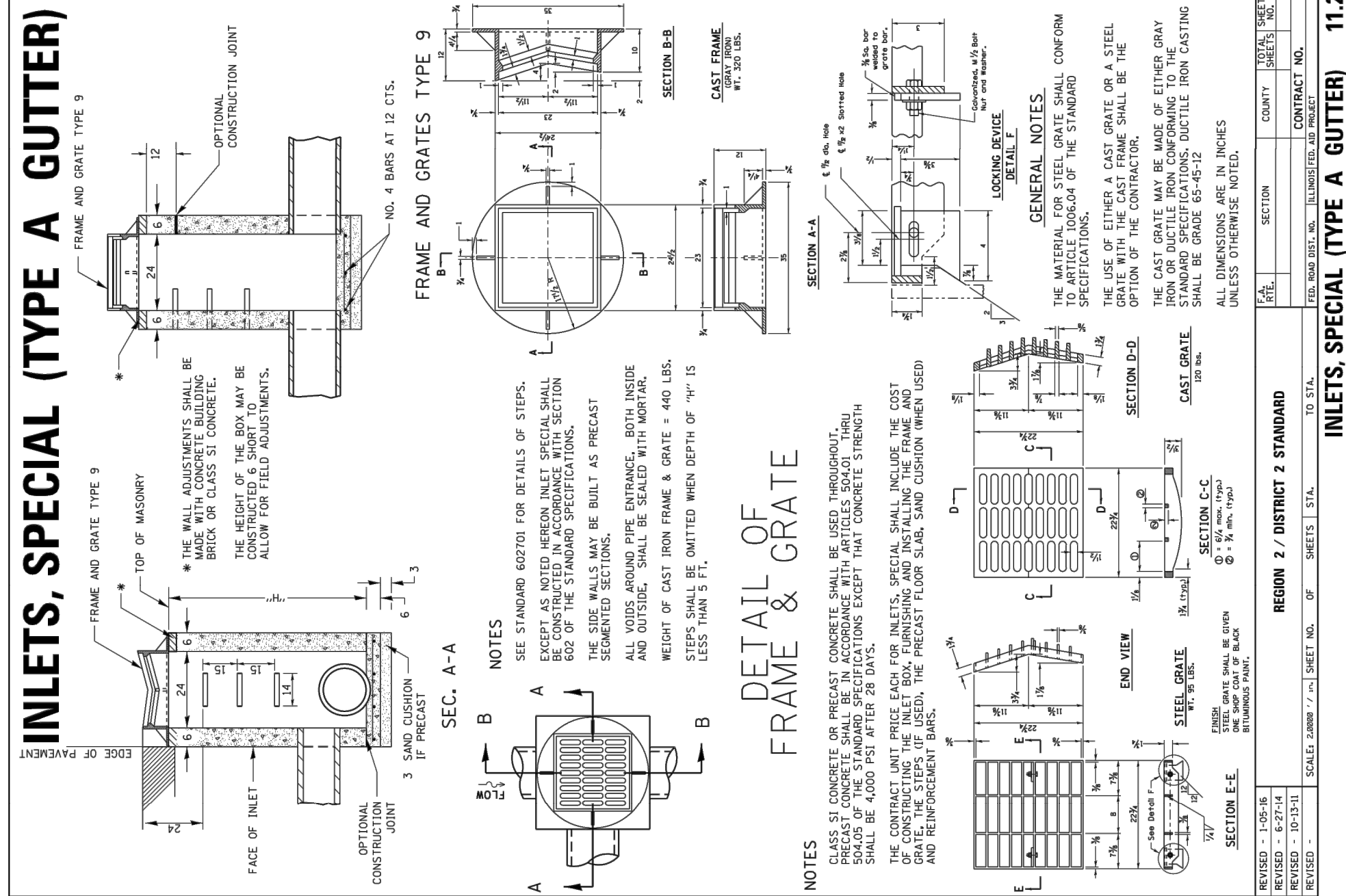
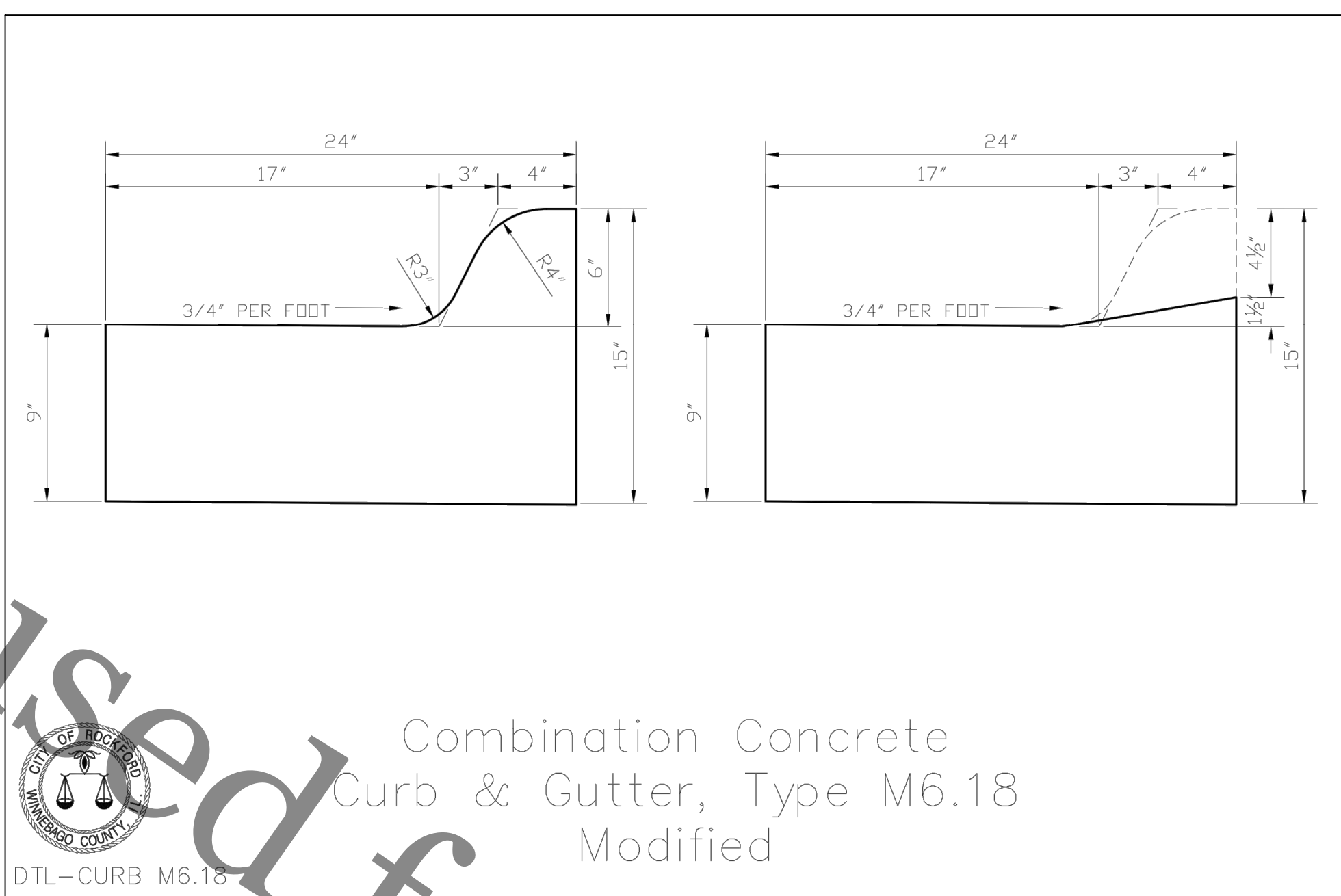
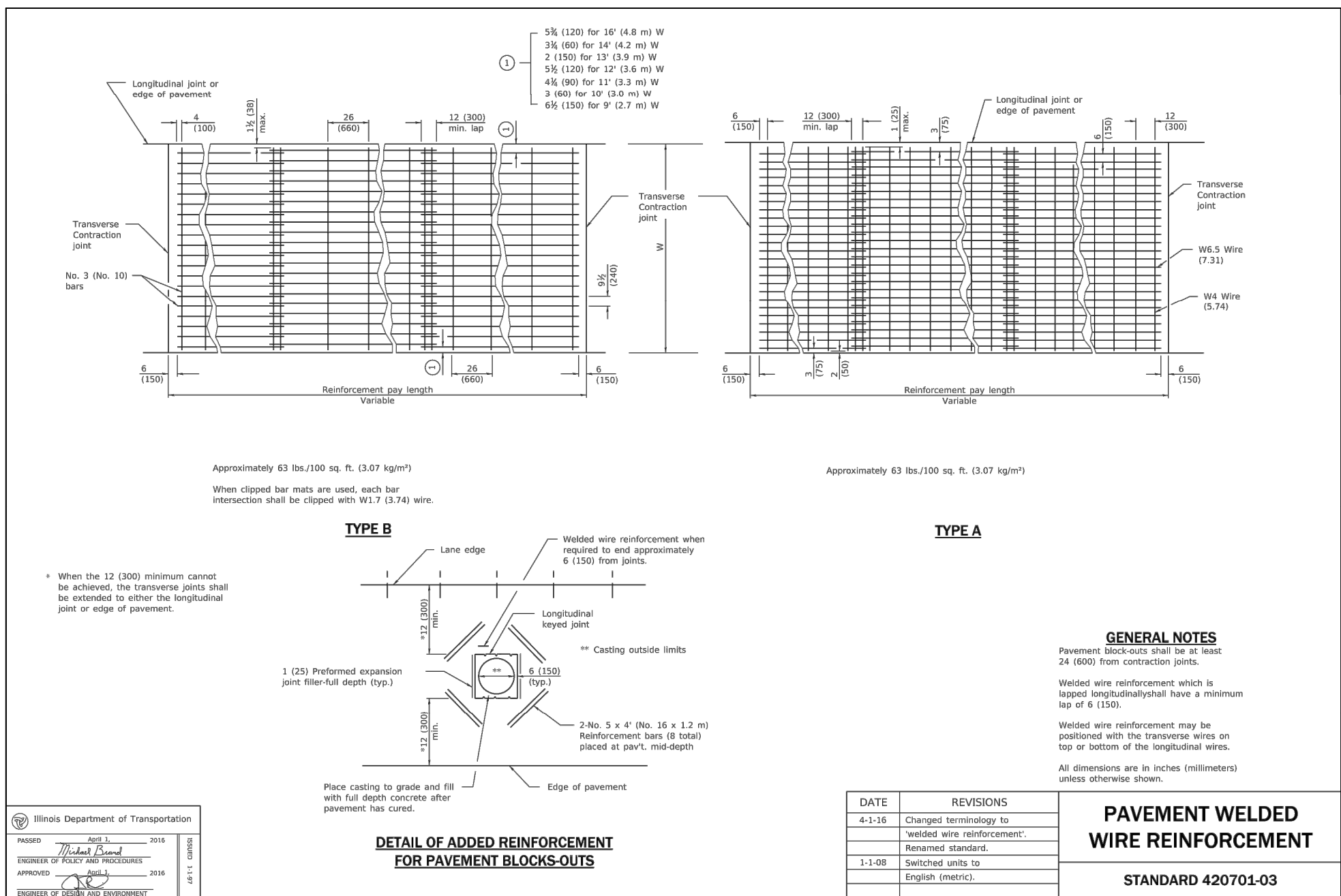
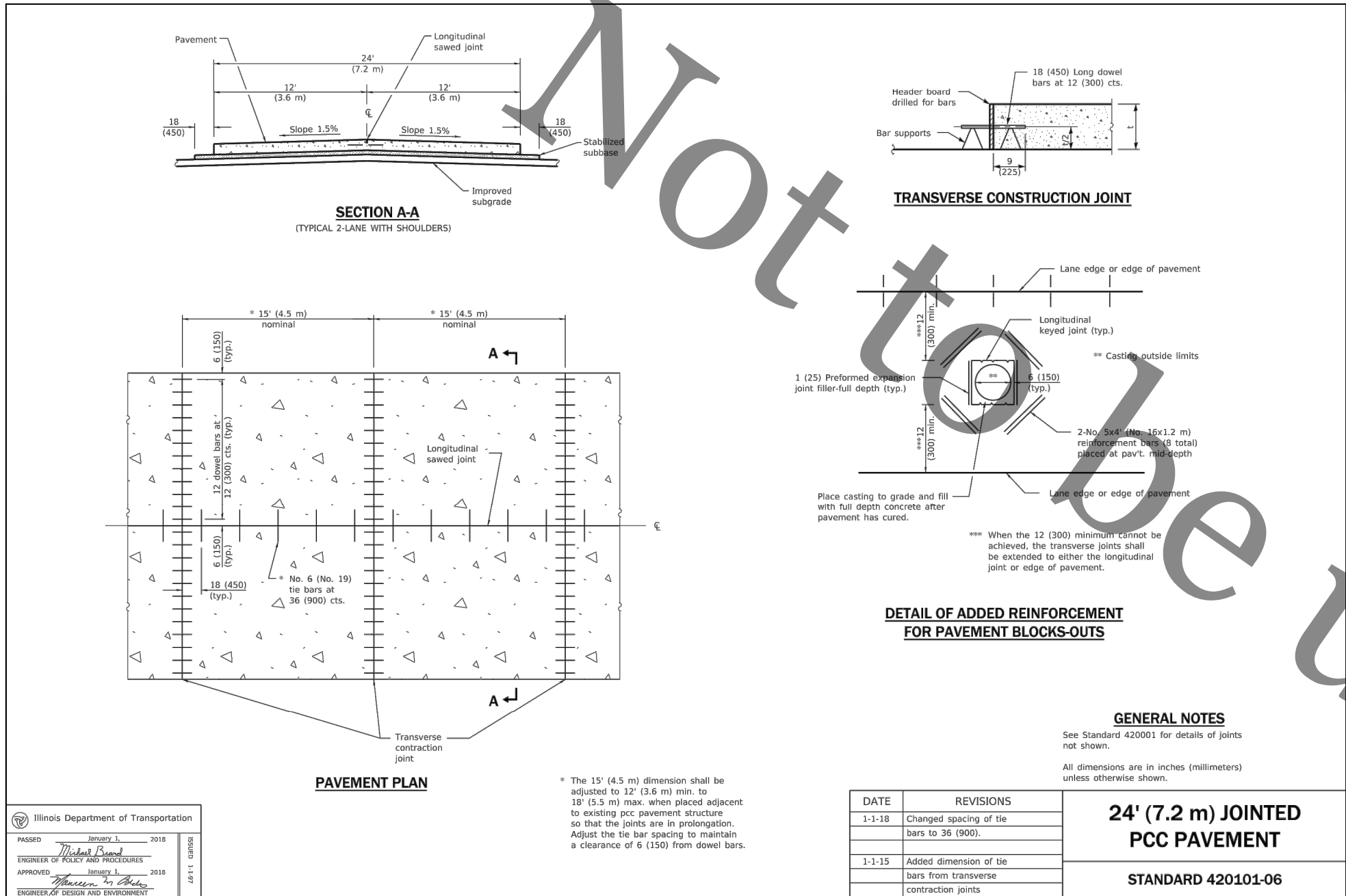
PAVEMENT SECTIONS

Sheet No.
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Date
4/23/2019
FOR BID

No.	DATE	REVISION	INT.

FOR BID	Date 4/23/2019
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ROCK RIVER WATER RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

No.	DATE	REVISION	INT.

**PLANT ROADWAY REPLACEMENT 2019
CAPITAL IMPROVEMENT PROJECT #2006**

PROJECT DETAILS (2)

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Date
4/23/2019