

ROCK RIVER WATER RECLAMATION DISTRICT

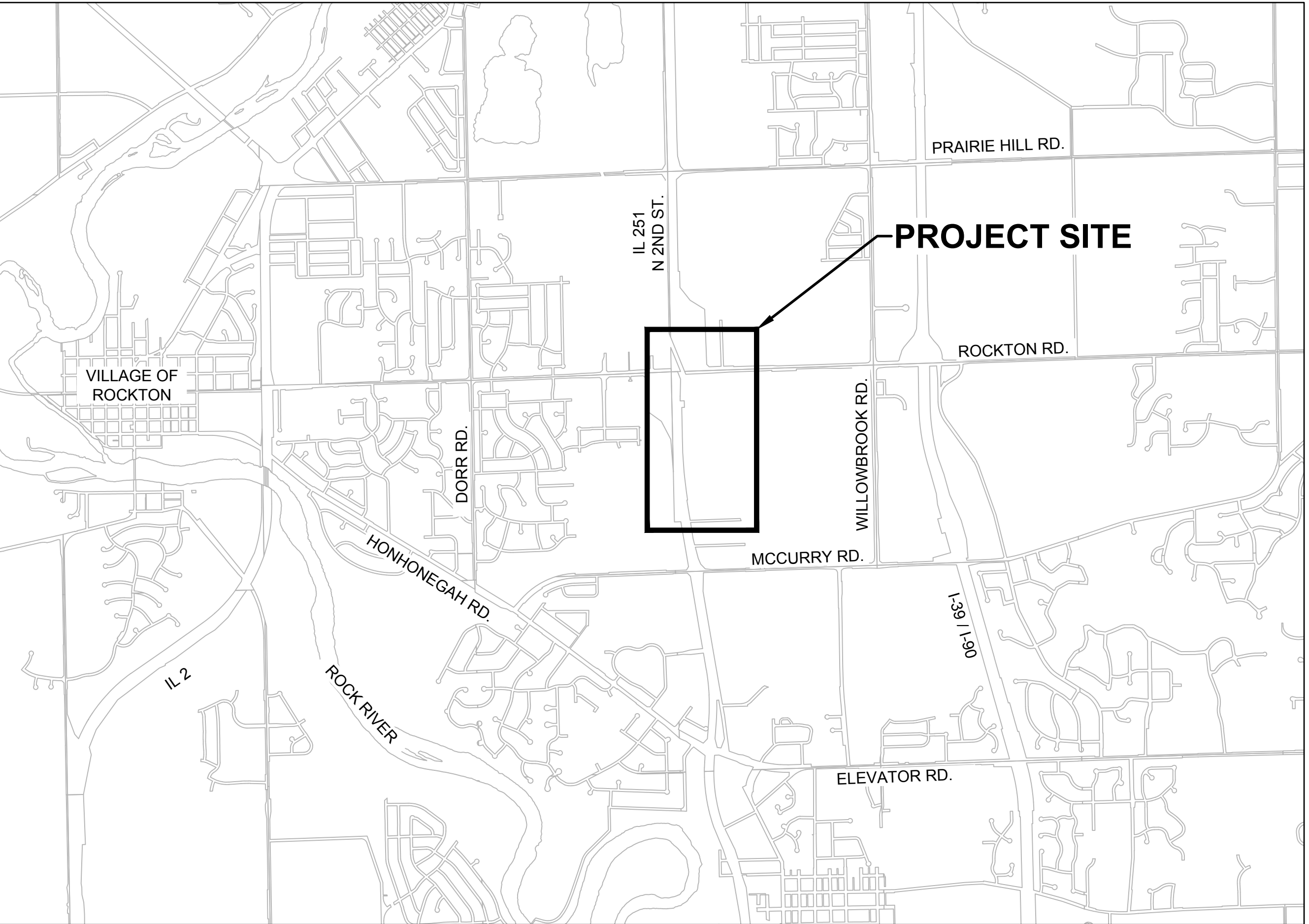
N. 02ND STREET SANITARY SEWER EXTENSION- 13000 BLOCK SPECIAL ASSESSMENT #133 2019

BOARD OF TRUSTEES

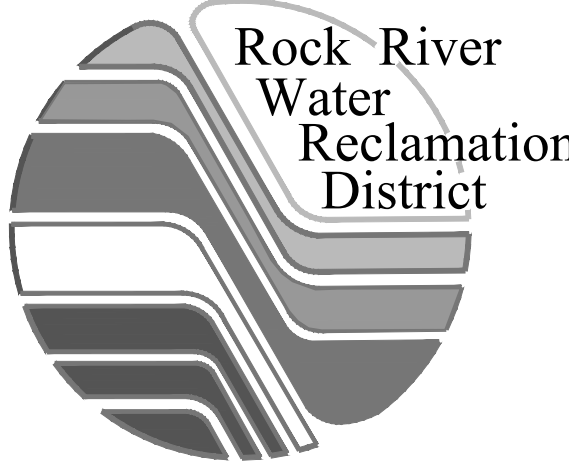
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RICHARD POLLACK	CLERK/TREASURER
JOHN SWEENEY	TRUSTEE
BEN BERNSTEN	TRUSTEE

OFFICIALS

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



WINNEBAGO COUNTY, ILLINOIS



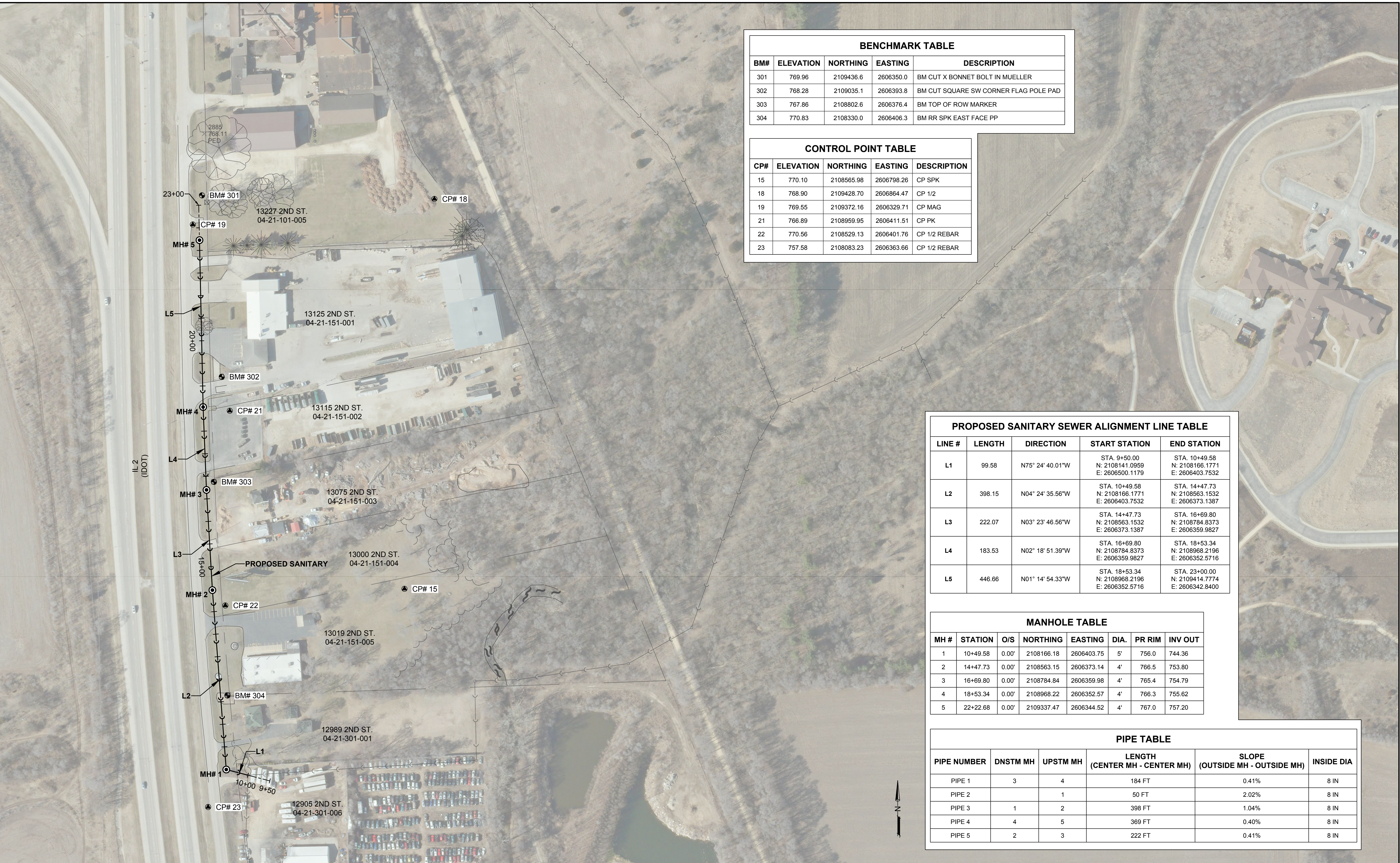
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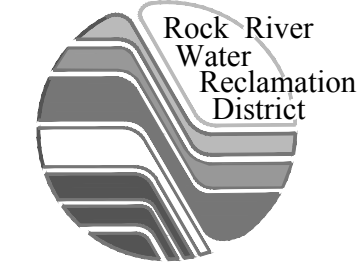
BENCHMARK TABLE				
BM#	ELEVATION	NORTHING	EASTING	DESCRIPTION
301	769.96	2109436.6	2606350.0	BM CUT X BONNET BOLT IN MUELLER
302	768.28	2109035.1	2606393.8	BM CUT SQUARE SW CORNER FLAG POLE PAD
303	767.86	2108802.6	2606376.4	BM TOP OF ROW MARKER
304	770.83	2108330.0	2606406.3	BM RR SPK EAST FACE PP

CONTROL POINT TABLE				
CP#	ELEVATION	NORTHING	EASTING	DESCRIPTION
15	770.10	2108565.98	2606798.26	CP SPK
18	768.90	2109428.70	2606864.47	CP 1/2
19	769.55	2109372.16	2606329.71	CP MAG
21	766.89	2108959.95	2606411.51	CP PK
22	770.56	2108529.13	2606401.76	CP 1/2 REBAR
23	757.58	2108083.23	2606363.66	CP 1/2 REBAR

PROPOSED SANITARY SEWER ALIGNMENT LINE TABLE				
LINE #	LENGTH	DIRECTION	START STATION	END STATION
L1	99.58	N75° 24' 40.01"W	STA. 9+50.00 N: 2108141.0959 E: 2606500.1179	STA. 10+49.58 N: 2108166.1771 E: 2606403.7532
L2	398.15	N04° 24' 35.56"W	STA. 10+49.58 N: 2108166.1771 E: 2606403.7532	STA. 14+47.73 N: 2108563.1532 E: 2606373.1387
L3	222.07	N03° 23' 46.56"W	STA. 14+47.73 N: 2108563.1532 E: 2606373.1387	STA. 16+69.80 N: 2108784.8373 E: 2606359.9827
L4	183.53	N02° 18' 51.39"W	STA. 16+69.80 N: 2108784.8373 E: 2606359.9827	STA. 18+53.34 N: 2108968.2196 E: 2606352.5716
L5	446.66	N01° 14' 54.33"W	STA. 18+53.34 N: 2108968.2196 E: 2606352.5716	STA. 23+00.00 N: 2109414.7774 E: 2606342.8400

MANHOLE TABLE							
MH #	STATION	O/S	NORTHING	EASTING	DIA.	PR RIM	INV OUT
1	10+49.58	0.00'	2108166.18	2606403.75	5'	756.0	744.36
2	14+47.73	0.00'	2108563.15	2606373.14	4'	766.5	753.80
3	16+69.80	0.00'	2108784.84	2606359.98	4'	765.4	754.79
4	18+53.34	0.00'	2108968.22	2606352.57	4'	766.3	755.62
5	22+22.68	0.00'	2109337.47	2606344.52	4'	767.0	757.20

PIPE TABLE					
PIPE NUMBER	DNSTM MH	UPSTM MH	LENGTH (CENTER MH - CENTER MH)	SLOPE (OUTSIDE MH - OUTSIDE MH)	INSIDE DIA
PIPE 1	3	4	184 FT	0.41%	8 IN
PIPE 2		1	50 FT	2.02%	8 IN
PIPE 3	1	2	398 FT	1.04%	8 IN
PIPE 4	4	5	369 FT	0.40%	8 IN
PIPE 5	2	3	222 FT	0.41%	8 IN



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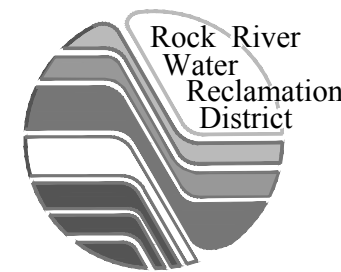
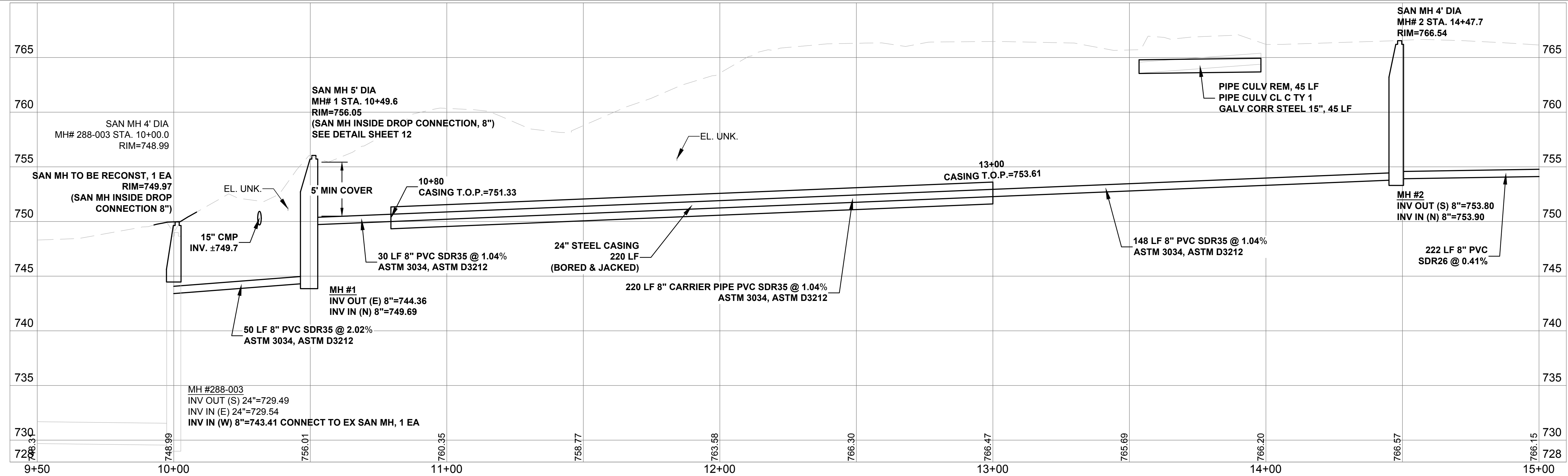
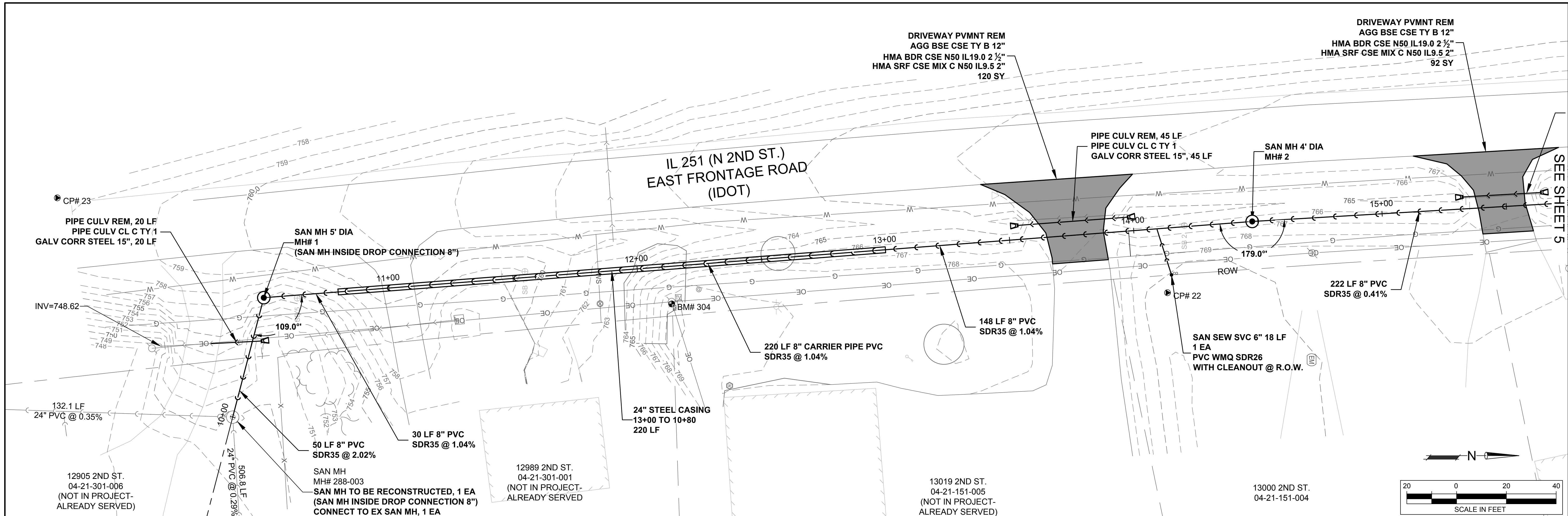
N. 02ND STREET SANITARY SEWER EXTENSION- 13000 BLOCK
SPECIAL ASSESSMENT #133

ALIGNMENTS, TIES, & BENCHMARKS

FOR BID

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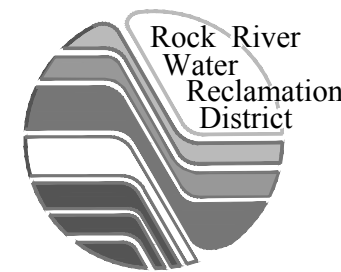
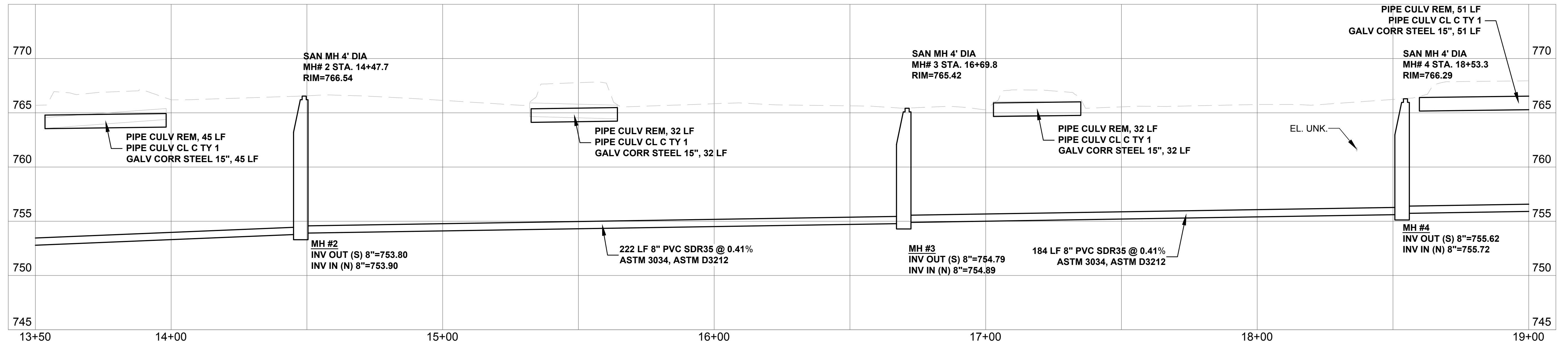
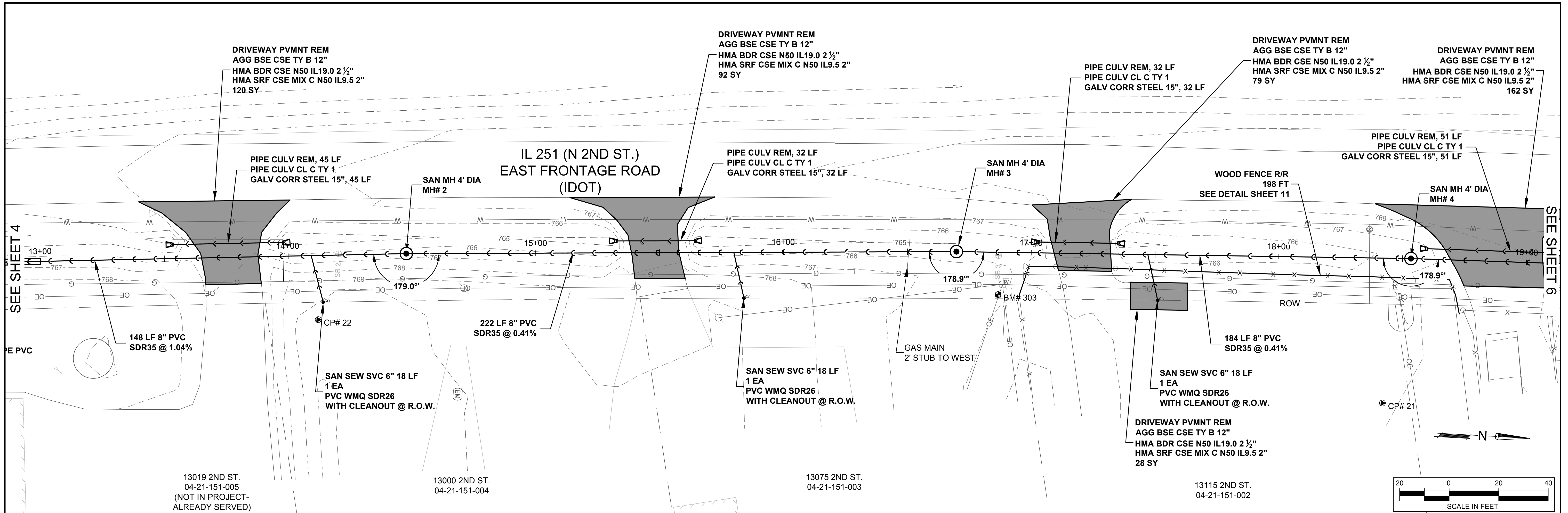
PLAN & PROFILE - STA 9+50.00 TO STA 15+00.00

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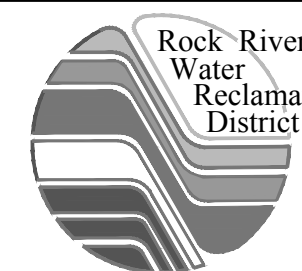
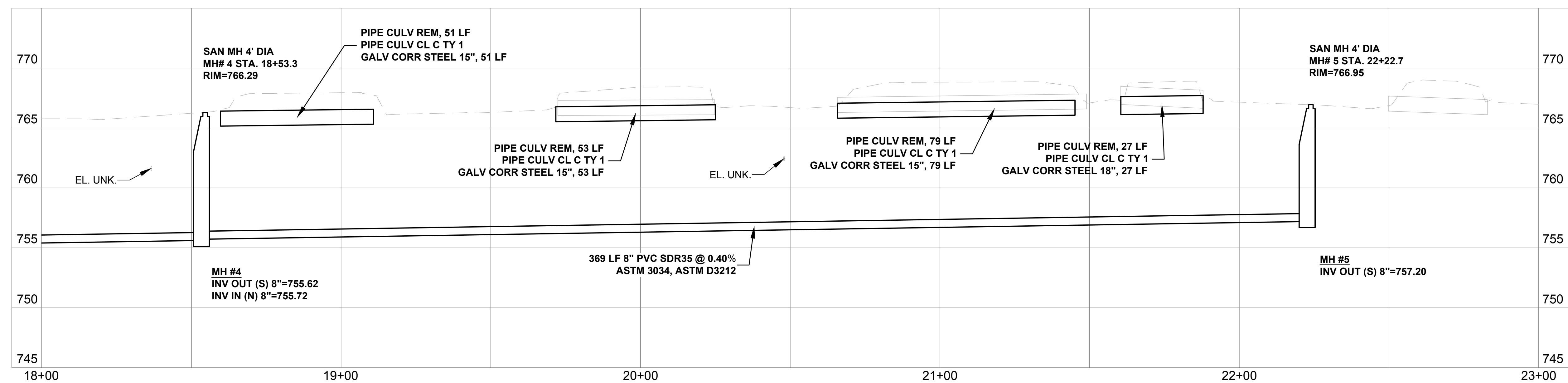
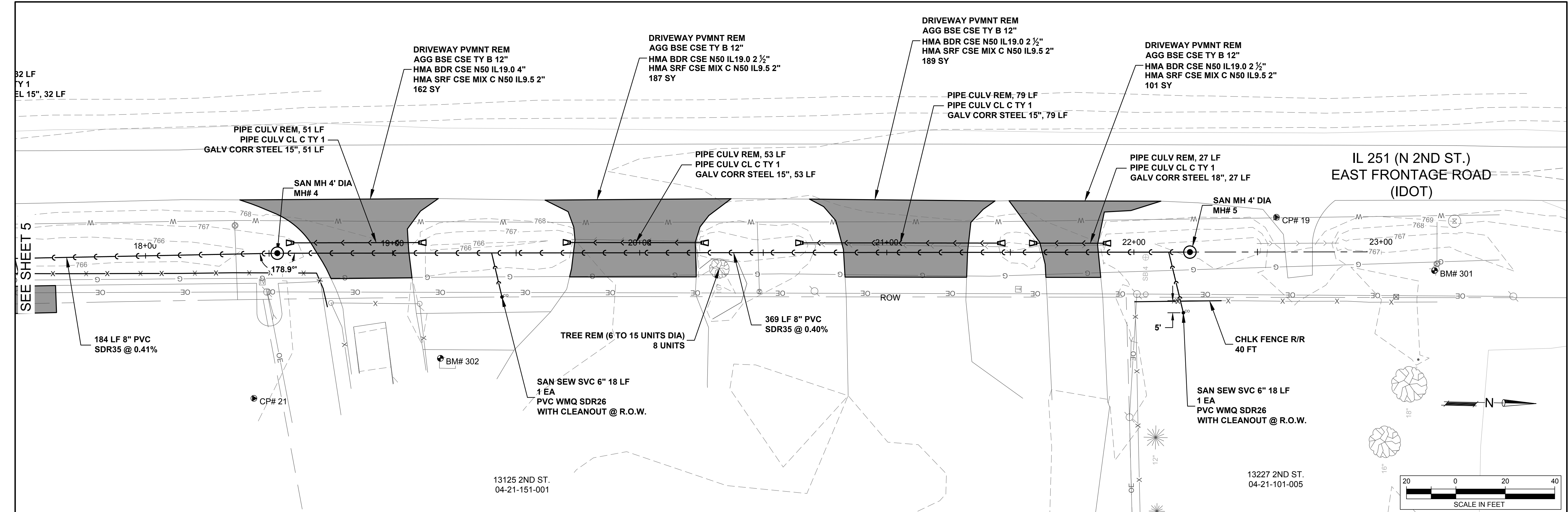
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PLAN & PROFILE - STA 13+50.00 TO STA 19+00.00

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PLAN & PROFILE - STA 18+00.00 TO STA 23+00.00

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EROSION CONTROL GENERAL NOTES

GENERAL NOTES

THE ESTIMATED AREA OF DISTURBANCE FOR THIS PROJECT IS LESS THAN 1 ACRE. A NOTICE OF INTENT (N.O.I) WILL NOT BE FILED. AN EROSION CONTROL PLAN HAS BEEN PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS URBAN MANUAL, CURRENT EDITION, I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND THE PROJECT SPECIFICATIONS AND DETAILS.

THE EROSION CONTROL DEVICES, MATERIALS AND PROCEDURES SHOWN IN THESE PLANS ARE TO BE CONSIDERED A MINIMUM. ADDITIONAL DEVICES OR MATERIALS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS, AT THE DIRECTION OF THE ENGINEER. ANY DEVICES, MATERIALS, OR PROCEDURES REQUIRED BY THE ENGINEER DUE TO THE CONTRACTOR'S ACTIONS OR NEGLIGENCE WILL BE AT NO ADDITIONAL COST TO THE DISTRICT.

ALL DISTURBED AREAS SHALL BE SEEDED UNLESS AGRICULTURAL OR OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR IS RESTRICTED TO WORK IN TEMPORARY EASEMENTS OR WORK AREAS DELINEATED ON PLANS. THE CONTRACTOR SHALL TAKE WHATEVER ACTIONS AND MEASURES ARE DEEMED NECESSARY BY THE DISTRICT OR AUTHORIZED AGENCY TO ELIMINATE EXCESSIVE SILTATION OR EROSION AND TO STABILIZE THE PROJECT AREA. DISCHARGE OF HAZARDOUS SUBSTANCES INTO STORM WATER IS SUBJECT TO I.E.P.A. REPORTING AND CLEANUP REQUIREMENTS.

CONTROL MEASURES

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE CONSTRUCTION IN EACH AREA, AS DETERMINED BY THE ENGINEER, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICAL. THE FOLLOWING CONTROLS WILL BE PROVIDED AS A MINIMUM FOR THE DURATION OF THIS PROJECT:

- SEDIMENT CONTROL SHALL BE PROVIDED DOWNSLOPE OF ALL STOCKPILE AREAS.
- STABILIZED CONSTRUCTION ENTRANCES MUST BE INSTALLED AS DETAILED AND WHERE REQUIRED BY THE ROADWAY AUTHORITY OR DISTRICT.
- INLET PROTECTION MUST BE INSTALLED FOR ALL INLETS THAT COULD BE SUBJECT TO SILTATION, AS DETERMINED BY THE ENGINEER.
- ALL ROADWAYS SHALL BE KEPT CLEAN OF DEBRIS, MUD, SOIL, AND CONSTRUCTION MATERIALS AND SHALL BE INSPECTED AT THE END OF EACH DAY AND CLEANED AS NECESSARY.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 DAYS IF THEY ARE TO REMAIN DISTURBED FOR MORE THAN 14 DAYS.

INSPECTIONS

INSPECTIONS MUST BE COMPLETED BY A QUALIFIED PERSON EVERY 7 DAYS AND WITHIN 24 HOURS OF EACH RAIN EVENT WITH OVER 0.5" OF RAIN OR SNOWFALL EQUIVALENT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED AND MODIFIED AS NEEDED TO BE EFFECTIVE AND TO PREVENT EROSION AND POLLUTANTS FROM DISCHARGING FROM SITE.

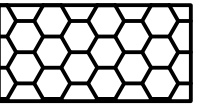
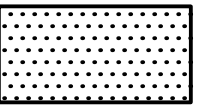
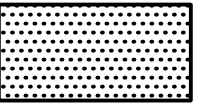
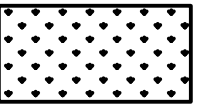
MAINTENANCE

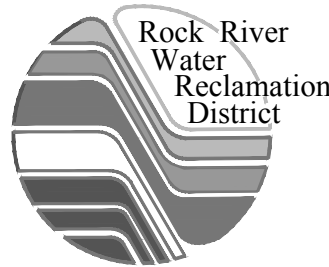
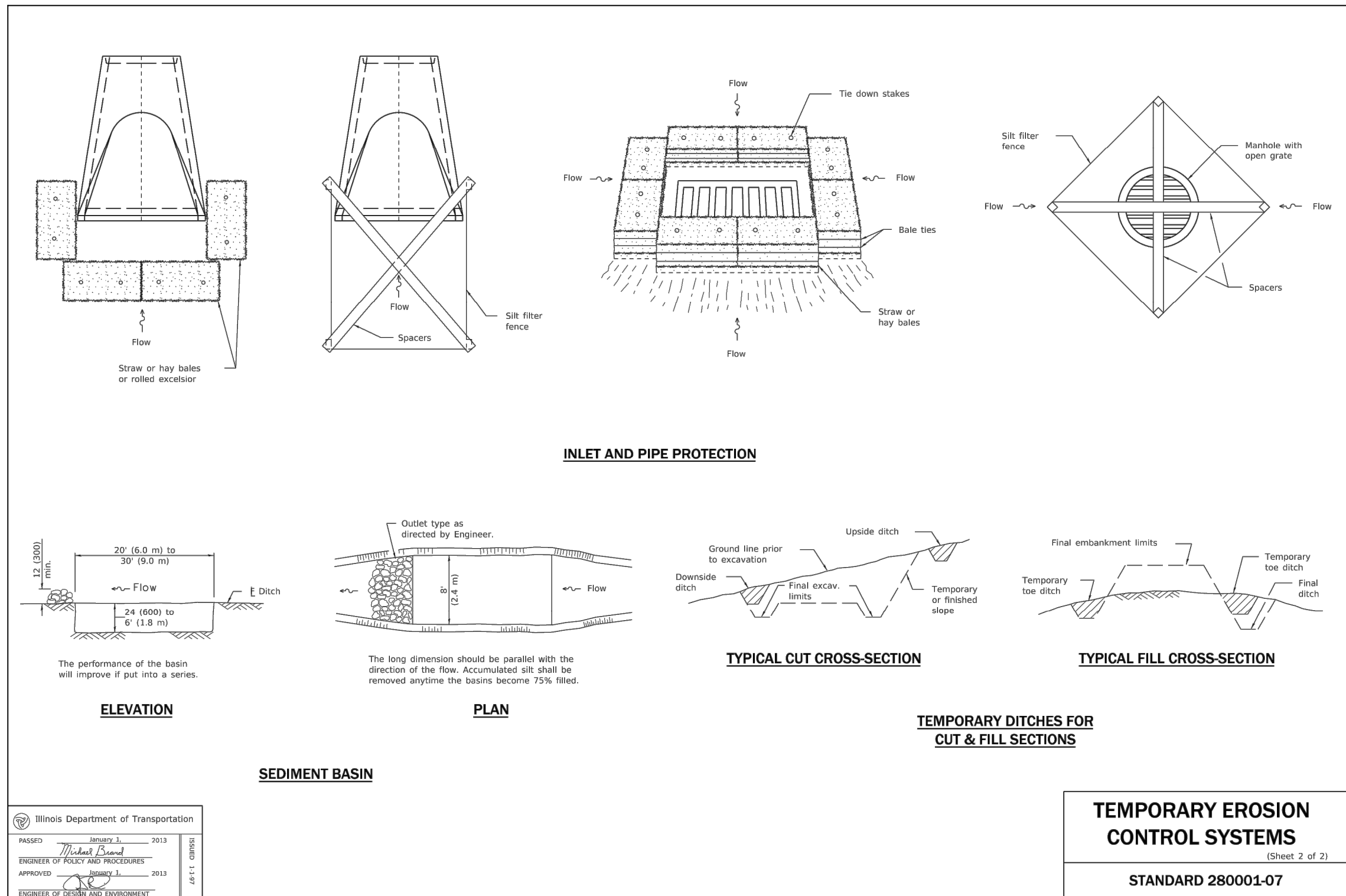
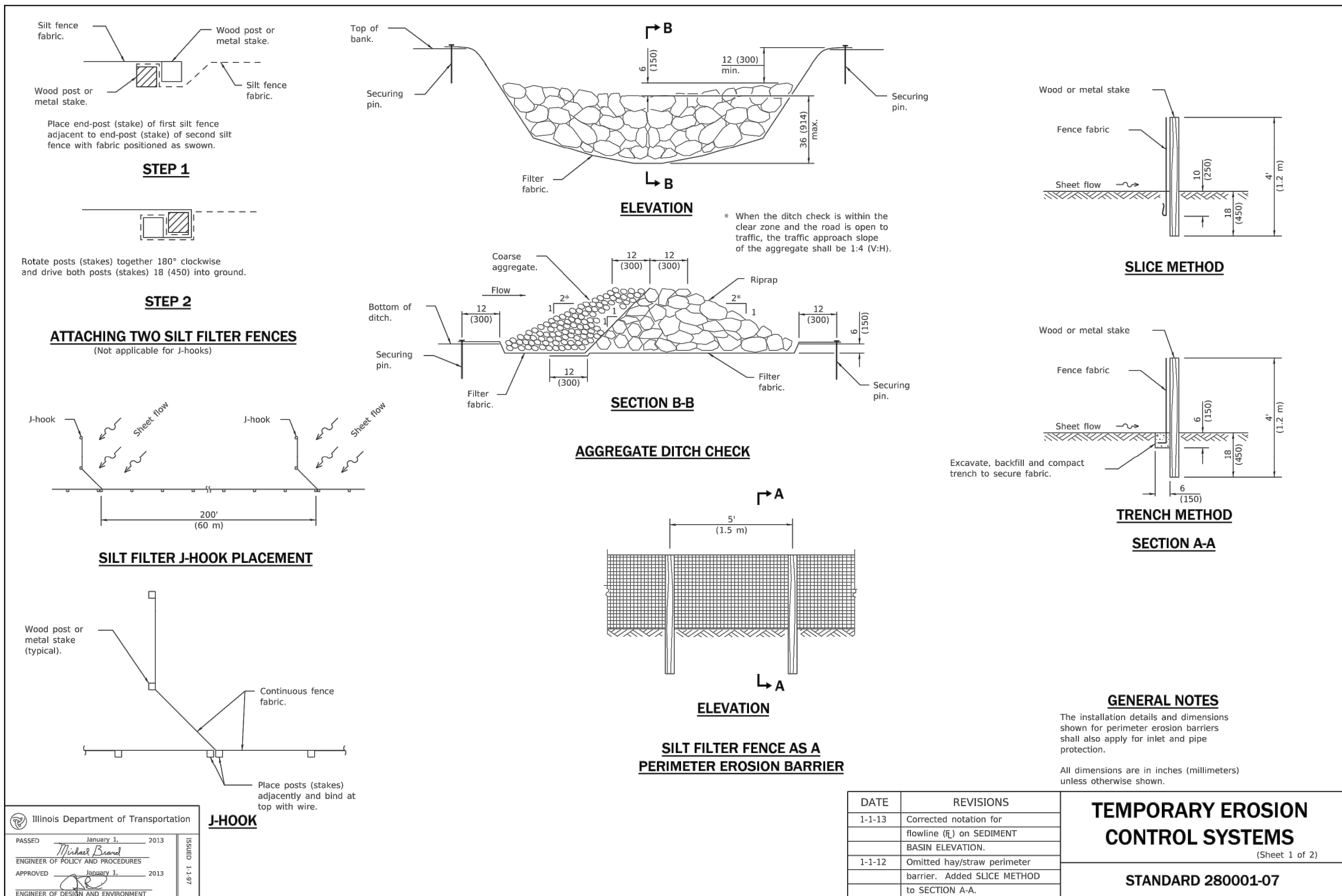
CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND PROTECTIVE MEASURES AS REQUIRED TO MAINTAIN THE INTENDED FUNCTION. SEDIMENT COLLECTED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS NEEDED. ANY DEBRIS OR SILT DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES, ETC. THAT COULD OBSTRUCT FLOW SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES WITHIN 30 DAYS OF FINAL SITE STABILIZATION APPROVAL BY THE DISTRICT. THE SITE SHALL HAVE A MIN. OF 70% VEGETATIVE COVER TO BE CONSIDERED STABILIZED.

OTHER DISCHARGES

NON STORM WATER DISCHARGES INCLUDING WASHING OF VEHICLES, CONCRETE WASH-OUT, WATER FOR DUST CONTROL, AND TRENCH DEWATERING DISCHARGES SHALL BE DIRECTED AWAY FROM UNPROTECTED, BARE, OR UNSTABILIZED SOIL AND APPROPRIATE MEASURES SHALL BE IMPLEMENTED TO PREVENT EROSION OR DEGRADATION OF RUNOFF FROM THE SITE. DEWATERING DISCHARGE MUST BE INTO SILT CONTAINMENT BAGS WITH PROPERLY ENGINEERED ANIONIC POLYMER AND FABRIC PORE SIZE. UNDER NO CIRCUMSTANCE SHALL DEWATERING DISCHARGE BE ALLOWED TO FLOW DIRECTLY INTO WATERWAYS. A DEWATERING DISCHARGE PLAN SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL.

LEGEND

SF	SILT FENCE
	DITCH CHECK
	INLET OR PIPE PROTECTION
	STABILIZED CONSTRUCTION ENTRANCE
	EROSION CONTROL BLANKET
	HEAVY DUTY EROSION CONTROL BLANKET
	SEEDING AREA



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SPECIAL ASSESSMENT #133

TEMP EROSION CONTROL & PERMANENT SEEDING NOTES

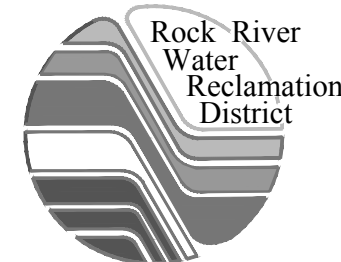
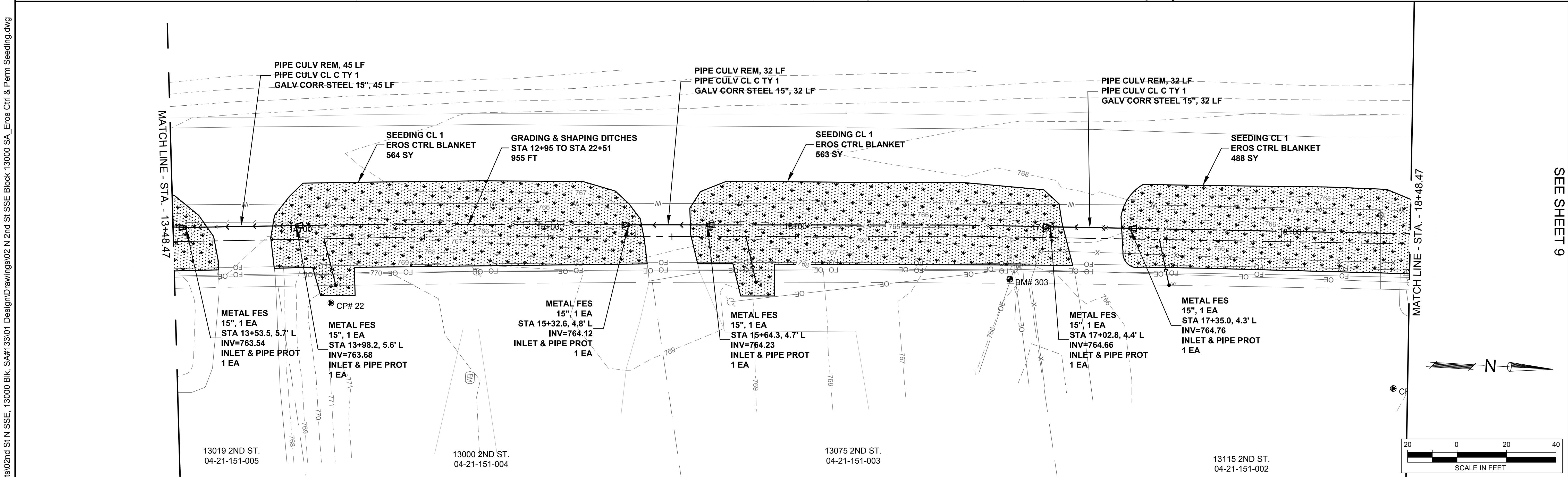
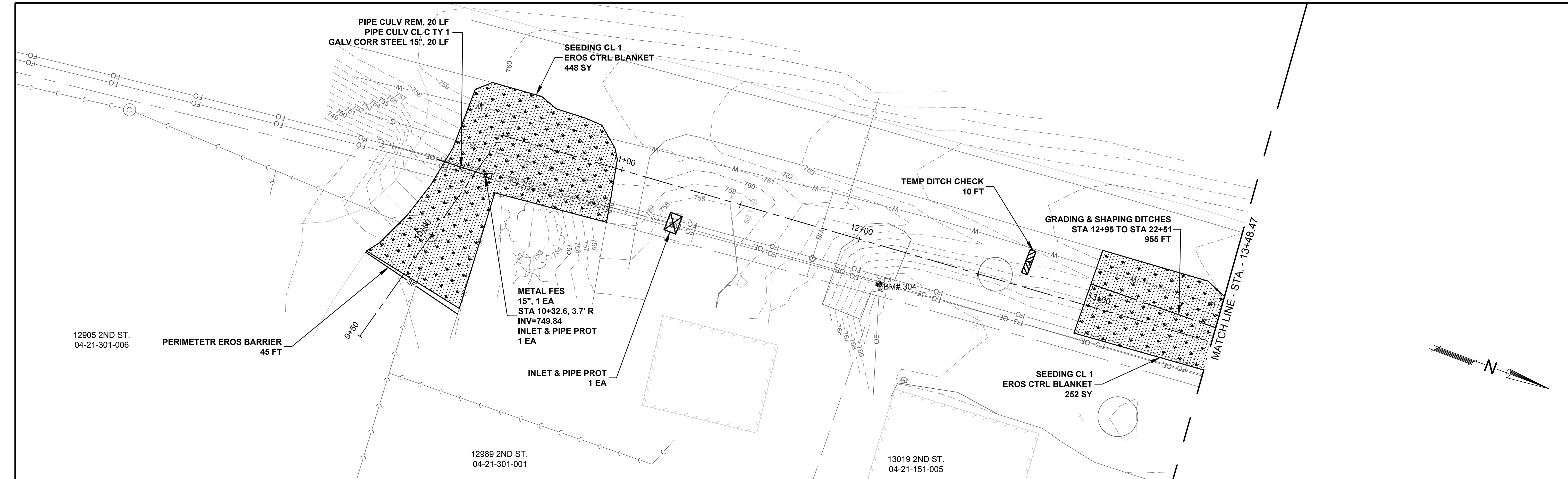
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SPECIAL ASSESSMENT #133**

TEMP EROSION CONTROL & PERMANENT SEEDING 1

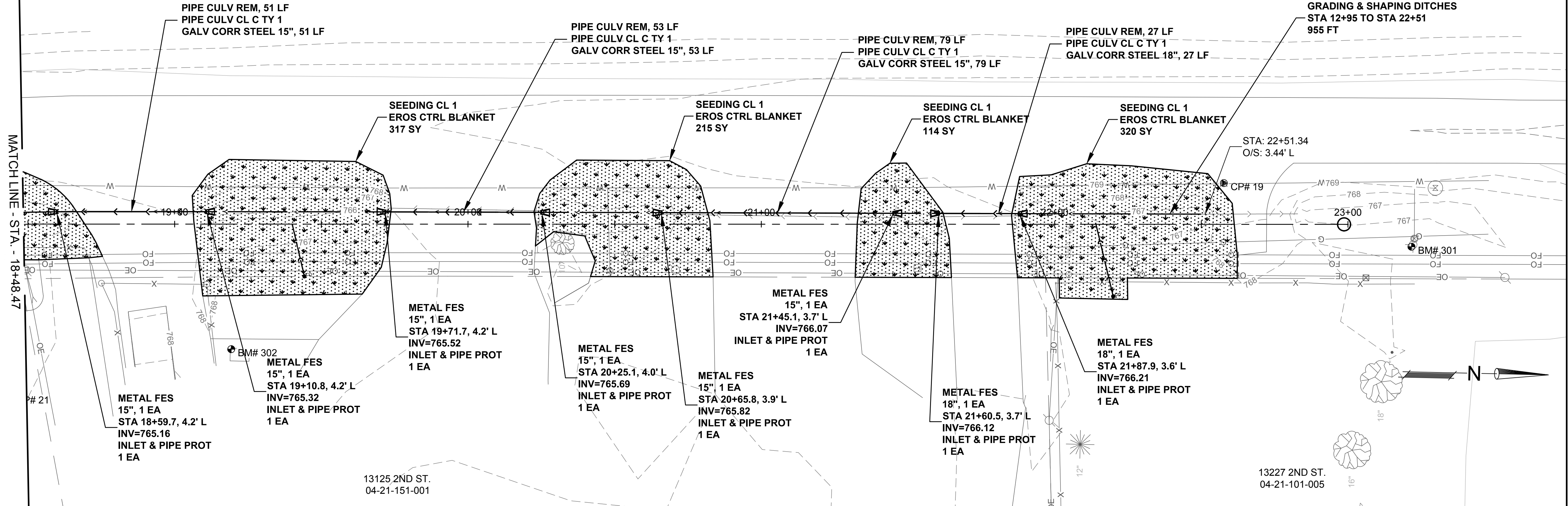
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SEE SHEET 8



LANDSCAPE RESTORATION STA 12+60 DETAIL



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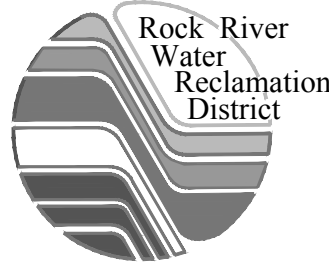
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TEMP EROSION CONTROL & PERMANENT SEEDING 2

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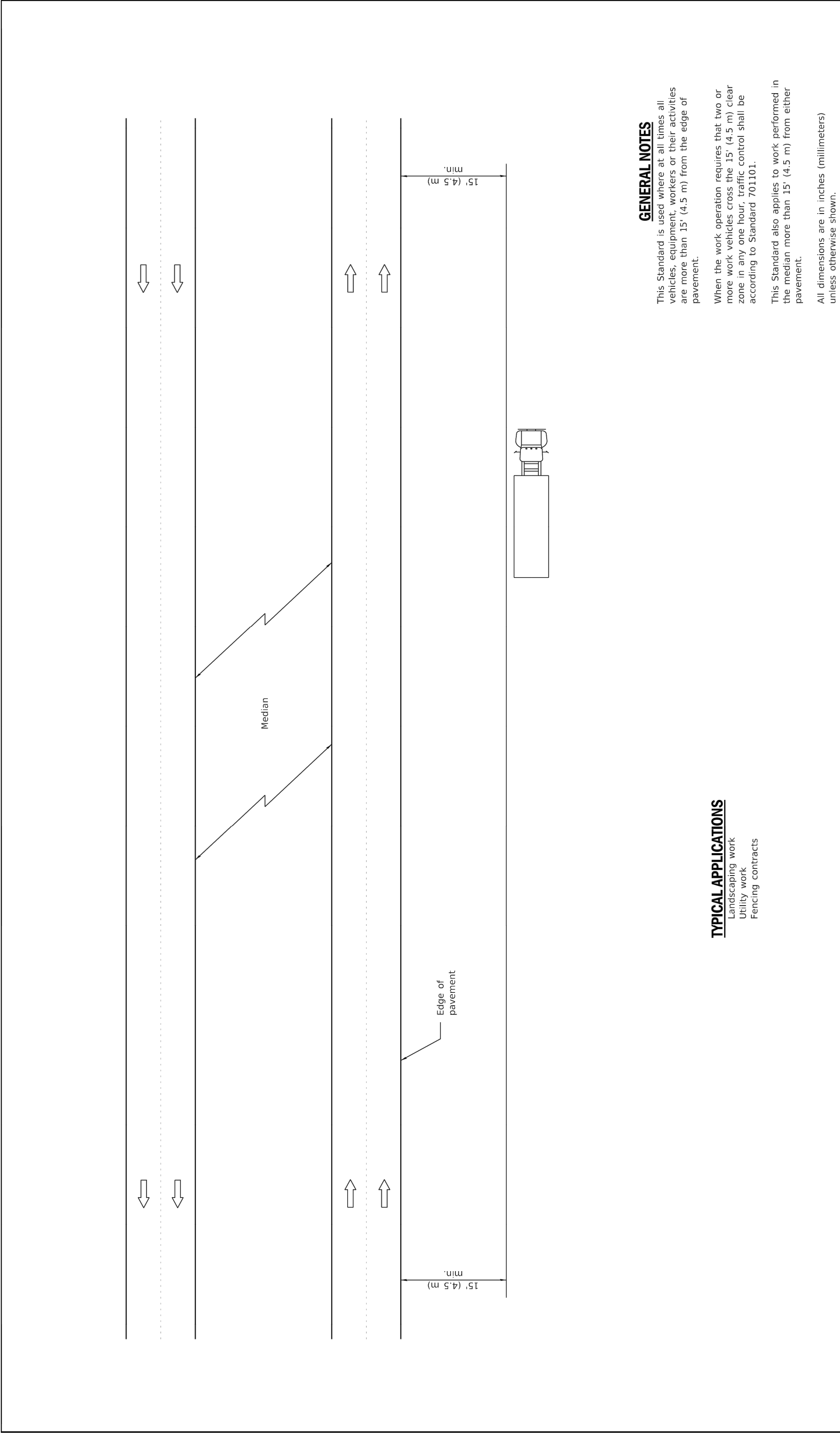
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**N. 02ND STREET SANITARY SEWER EXTENSION- 13000 BLOCK
CAPITAL IMPROVEMENT PROJECT #SPECIAL ASSESSMENT #133**

TRAFFIC CONTROL HIGHWAY STANDARDS

FOR BID



GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are located more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701101.

This Standard also applies to work performed in the median more than 15' (4.5 m) from either pavement.

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

TYPICAL APPLICATIONS

Landscaping work
Utility work
Fencing contracts

Illinois Department of Transportation

PASSED January 1, 2009

ENGINEER OF OPERATIONS

APPROVED January 1, 2009

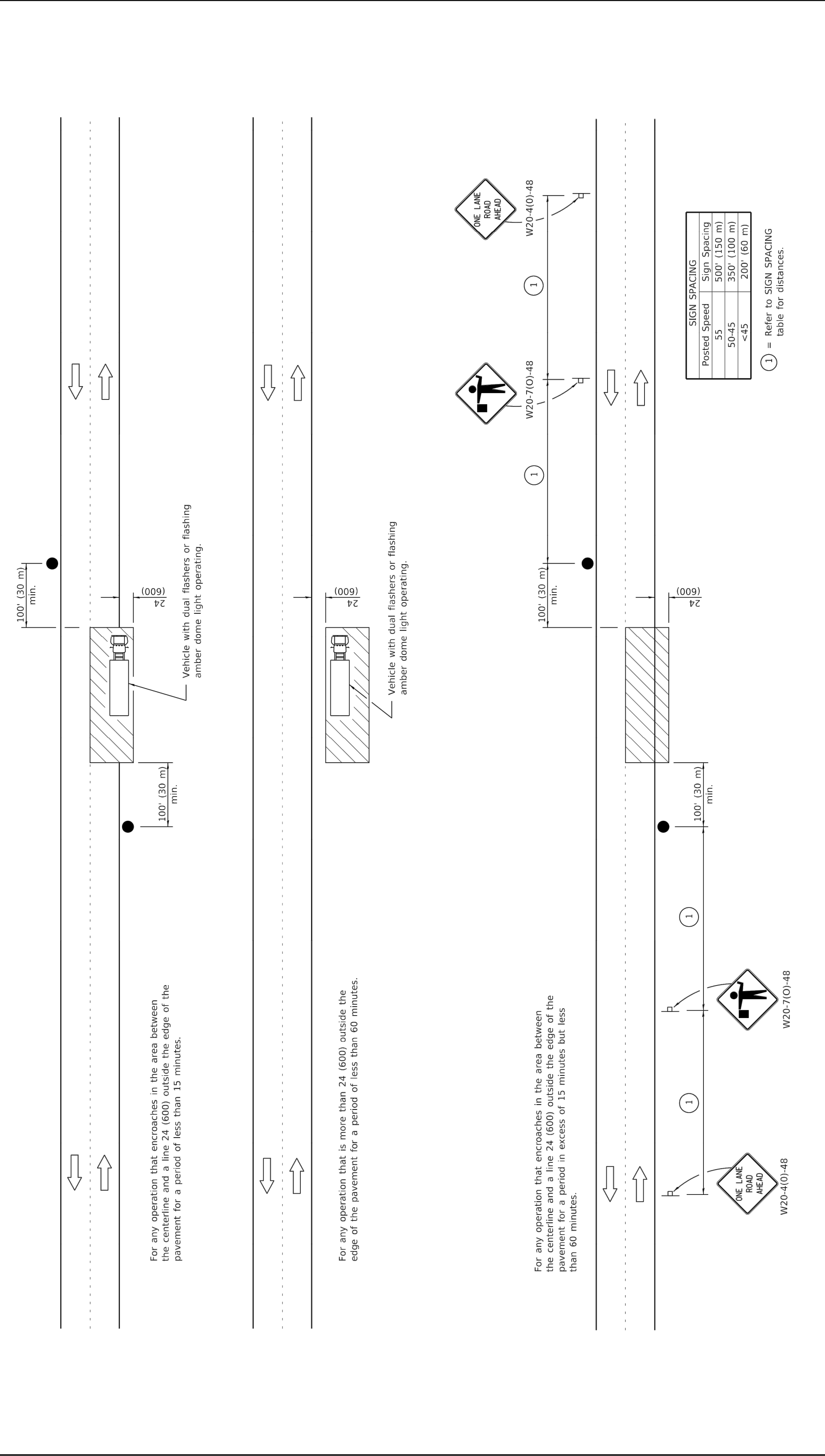
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-05	Switched units to English (metric).
1-1-05	Revised title.

OFF-RD OPERATIONS, MULTILANE,
MORE THAN 15' (4.5 m) AWAY

STANDARD 701106-02



Illinois Department of Transportation

PASSED January 1, 2011

ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TYPICAL APPLICATIONS

Making patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

SYMBOLS

Work area
Sign on portable or permanent support
Flagger with traffic control sign

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W,
SHORT TIME OPERATIONS

STANDARD 701301-04

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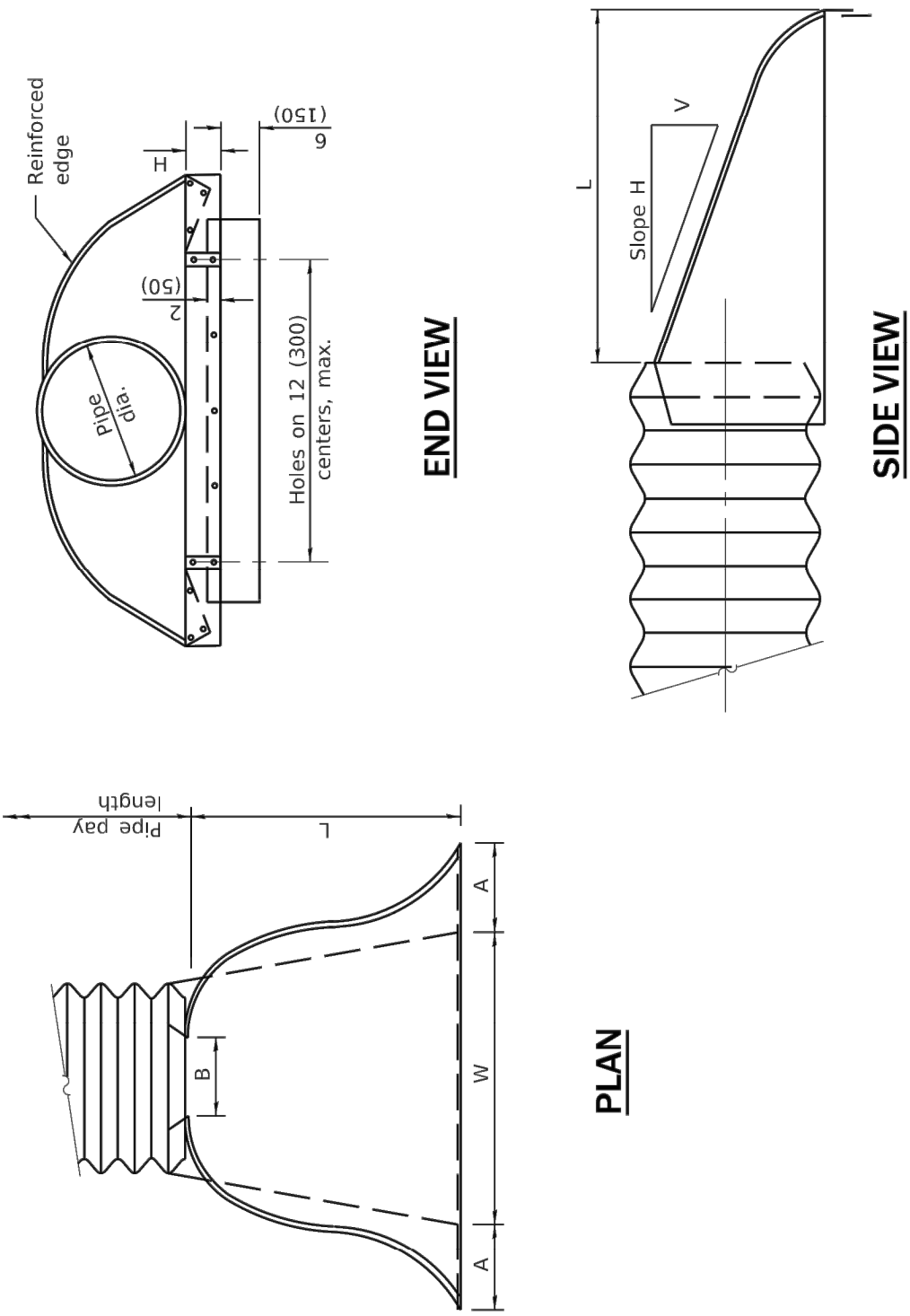
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PROJECT DETAILS

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PIPE DIA.	THICK- NESS	DIMENSIONS					SLOPE (Approx.)	BODY
		A	B	H	L	W		
		(25)	(max.)	(25)	1 1/4"	24"		
12	0.064	6	6	6	6	21	1 1/2"	1 Pc.
13	0.063	(150)	(150)	(150)	(150)	(610)	1 1/2"	1 Pc.
15	0.064	7	8	6	26	30	1 1/2"	1 Pc.
16	0.063	(180)	(205)	(150)	(660)	(760)	1 1/2"	1 Pc.
18	0.079	8	10	6	31	36	1 1/2"	1 Pc.
20	0.079	9	12	6	31	42	1 1/2"	1 Pc.
21	0.079	(235)	(235)	(235)	(235)	(835)	1 1/2"	1 Pc.
22	0.079	9	12	6	36	42	1 1/2"	1 Pc.
25	0.079	(230)	(230)	(305)	(150)	(915)	1 1/2"	1 Pc.
24	0.079	10	13	6	41	48	1 1/2"	1 Pc.
30	0.101	(255)	(330)	(150)	(1040)	(1,220)	1 1/2"	1 Pc.
36	0.109	12	16	8	51	60	1 1/2"	1 Pc.
42	0.109	(377)	(305)	(405)	(200)	(1,525)	1 1/2"	2 Pc.
48	0.109	(277)	(355)	(480)	(230)	(1,830)	1 1/2"	2 Pc.
54	0.109	16	22	11	69	84	1 1/2"	2 Pc.
60	0.109	(405)	(560)	(280)	(1,750)	(2,135)	1 1/2"	2 Pc.
66	0.109	18	27	12	78	90	1 1/2"	2 Pc.
72	0.109	(455)	(685)	(305)	(1,980)	(2,385)	1 1/2"	2 Pc.
84	0.109	18	30	12	84	102	1 1/2"	2 Pc.
90	0.109	(430)	(530)	(305)	(2,120)	(2,535)	1 1/2"	2 Pc.
100	0.109	18	33	12	87	114	1 1/2"	3 Pc.
120	0.109	(455)	(840)	(305)	(2,210)	(2,895)	1 1/2"	3 Pc.
132	0.109	18	36	12	87	120	1 1/2"	3 Pc.
150	0.109	(455)	(915)	(305)	(2,210)	(3,050)	1 1/2"	3 Pc.
165	0.109	18	39	12	87	126	1 1/2"	3 Pc.
180	0.109	(455)	(990)	(305)	(2,210)	(3,200)	1 1/2"	3 Pc.
200	0.109	(455)	(1,065)	(305)	(2,210)	(3,355)	1 1/2"	3 Pc.
225	0.109	(455)	(1,145)	(305)	(2,210)	(3,505)	1 1/2"	3 Pc.
240	0.109	(455)	(1,145)	(305)	(2,210)	(3,505)	1 1/2"	3 Pc.



NOTES

For 60 (1500) thru 84 (2250) sizes, reinforced edges shall be supplemented with stiffer angles. The angles shall be 2x2x $\frac{1}{2}$ (51x51x6.4) for 60 (1500) thru 72 (1800) diameter and 2x $\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$ (64x64x6.4) for 78 (1950) thru 84 (2250) diameter. The angles shall be attached by $\frac{1}{2}$ " (M10) rivets or bolts.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

NOTES

- Types 1 and 2 for pipes with annular ends only.
- Type 3 connection may be used for all pipe sizes and includes 12 3000' of the pipe length. The connector section shall be attached to the end section by bolts and shall be the same metal thickness as the end section. Sub shall be either 2" (66) pitch x $\frac{1}{2}$ (13) depth or 5 (75) pitch x 1 (25) depth annular corrugated pipe.
- Type 4 connection can be used for all pipe sizes. Coupler shall be $\frac{3}{4}$ x $\frac{1}{2}$ (68x13) dimple, hugger, or annular band may be used with corrugated or metal pipes having annular ends. For corrugated metal pipes having helical ends, only the dimple band will be allowed.

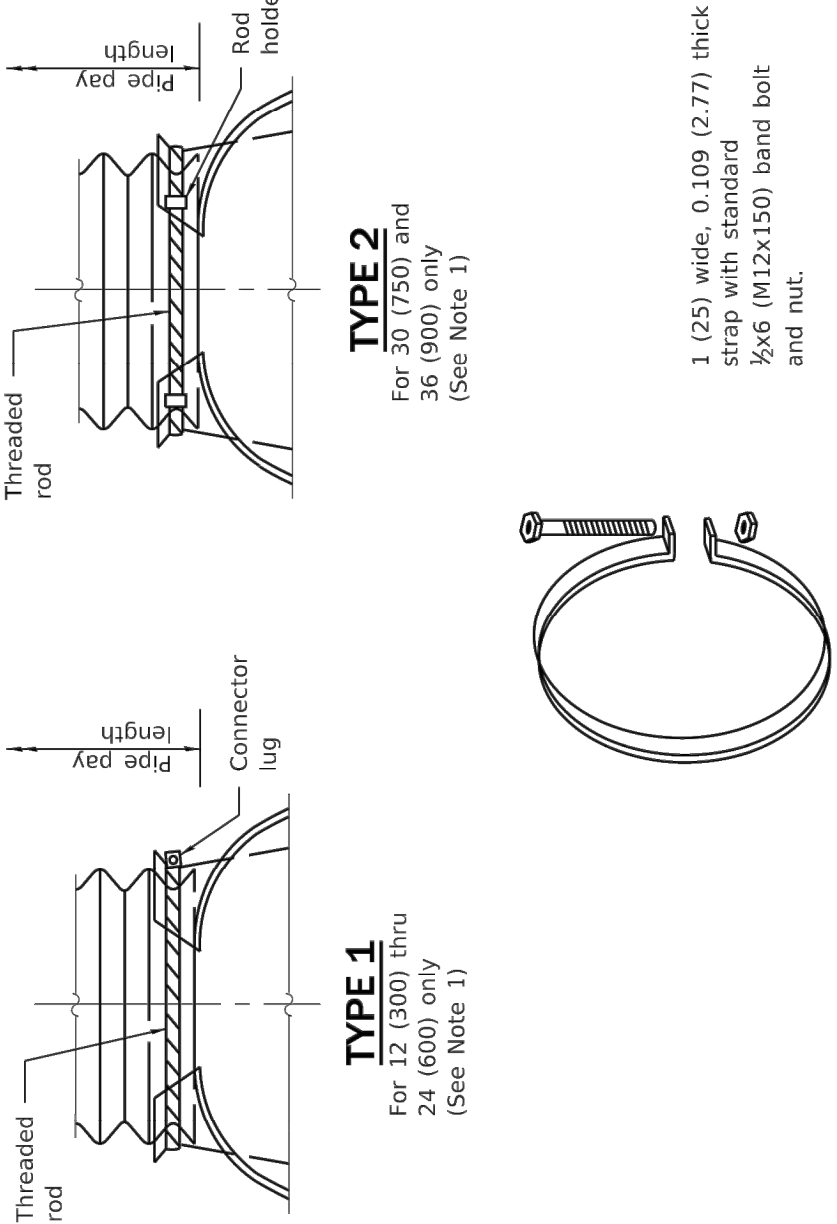
All dimensions are in inches (millimeters) unless otherwise shown.

ETAL FLARED END SECTION FOR PIPE CULVERTS

STANDARD 542401-03

CONNECTIONS OF END SECTIONS

DATE	REVISIONS
1-1-18	Renamed standard.
4-1-16	Revised THICKNESS values in table.



1 (25) wide, 0.109 (2.77) thick
strap with standard
1/2x6 (M12x150) band bolt
and nut.

ALTERNATE STRAP CONNECTOR
(For Type 1 only)

	PASSED	January 1, 2018
	ENGINEER OF POLICY AND PROCEDURES	
	APPROVED	January 1, 2018
	ENGINEER OF DESIGN AND ENVIRONMENT	