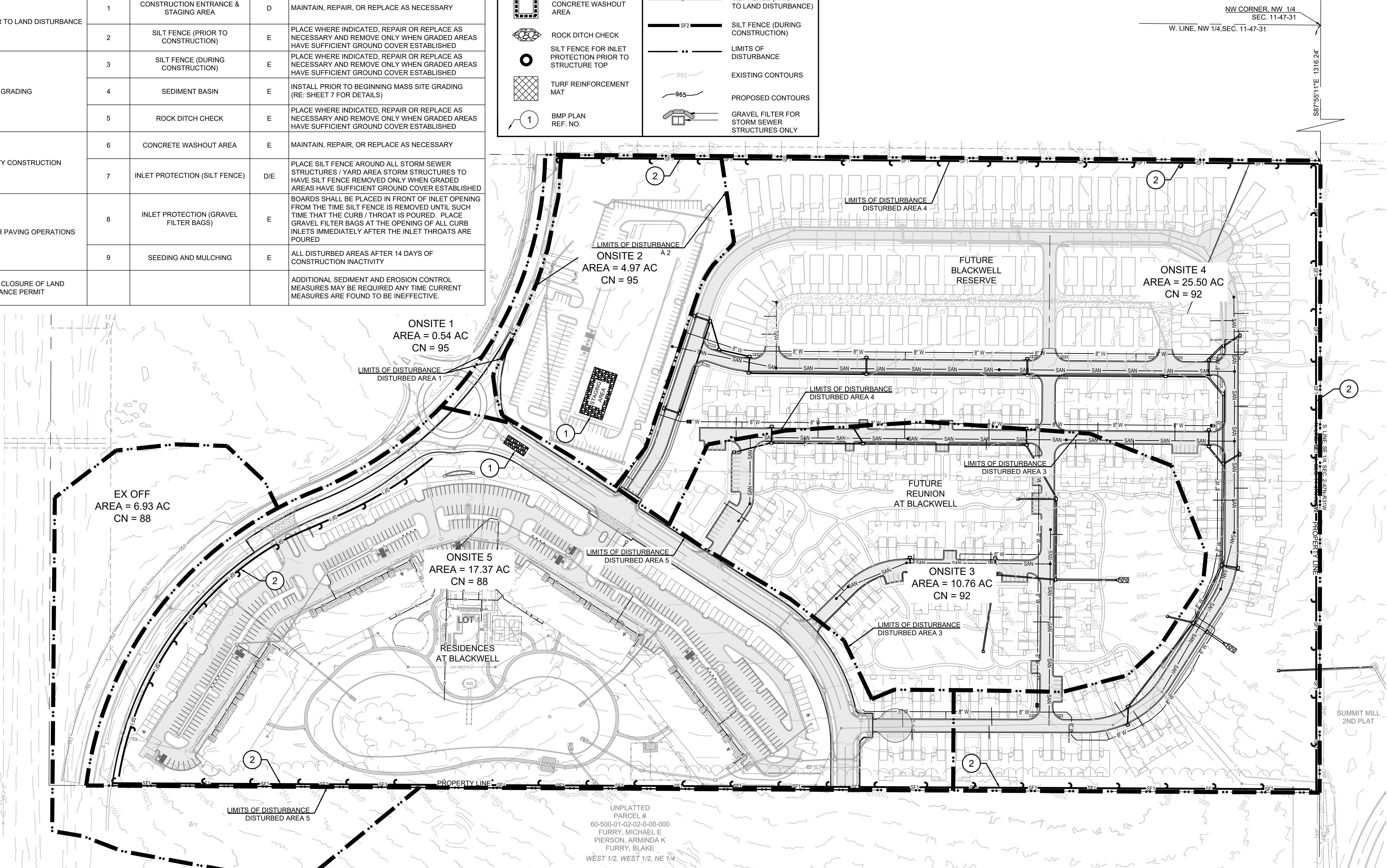


EARTHWORK
CUT: 151,000 CY
FILL: 135,000 CY (15% FACTOR)
NET: 16,000 CY CUT

	EROSION AND SEDIMENT CONTROL STAGING CHART				
	PROJECT STAGE	BMP PLAN REF. NO	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES:
PRE-CLEARING PHASE	A - PRIOR TO LAND DISTURBANCE	1	CONSTRUCTION ENTRANCE & STAGING AREA	D	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
		2	SILT FENCE (PRIOR TO CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
CONSTRUCTION PHASE	B - MASS GRADING	3	SILT FENCE (DURING CONSTRUCTION)	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
		4	SEDIMENT BASIN	E	INSTALL PRIOR TO BEGINNING MASS SITE GRADING (RE: SHEET 7 FOR DETAILS)
		5	ROCK DITCH CHECK	E	PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
FINAL STABILIZATION PHASE	C - UTILITY CONSTRUCTION	6	CONCRETE WASHOUT AREA	E	MAINTAIN, REPAIR, OR REPLACE AS NECESSARY
		7	INLET PROTECTION (SILT FENCE)	D/E	PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES TO HAVE SILT FENCE REMOVED ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED
	D - AFTER PAVING OPERATIONS	8	INLET PROTECTION (GRAVEL FILTER BAGS)	E	BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED
		9	SEEDING AND MULCHING	E	ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY
	E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT				ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE.

LEGEND		
	TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA	SUPER SEDIMENT SILT FENCE (PRIOR TO LAND DISTURBANCE)
	CONCRETE WASHOUT AREA	SILT FENCE (PRIOR TO LAND DISTURBANCE)
	ROCK DITCH CHECK	SILT FENCE (DURING CONSTRUCTION)
	SILT FENCE FOR INLET PROTECTION PRIOR TO STRUCTURE TOP	LIMITS OF DISTURBANCE
	TURF REINFORCEMENT MAT	EXISTING CONTOURS
	BMP PLAN REF. NO.	PROPOSED CONTOURS
		GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY



DISTURBED AREA 1 = 0.54 A.C.
DISTURBED AREA 2 = 4.97 A.C.
DISTURBED AREA 3 = 10.76 A.C.
DISTURBED AREA 4 = 25.50 A.C.
DISTURBED AREA 5 = 17.37 A.C.

SITE SPECIFIC NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
- NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBERS 29095C0441G, 29095C0445G, 29095C0437G AND

29095C0439G DATED JANUARY 20TH, 2017.

- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE

AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.

- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.
- AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.

MO GRS BENCHMARK:

STATION NAME - JA-90

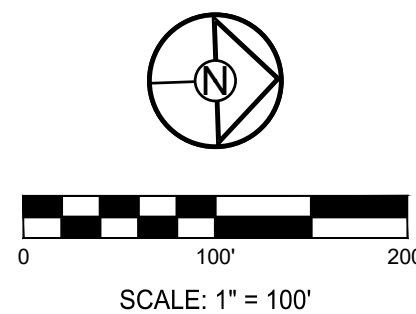
KC METRO ALUMINUM GRS DISK SET IN CONCRETE STAMPED "JA-90, 1988" LOCATED NEAR THE INTERSECTION OF LANGSFORD ROAD AND OLD LANGSFORD ROAD, 43 FEET SOUTHEAST OF THE CENTER OF LANGSFORD ROAD AND 32 FEET NORTH OF THE CENTER OF OLD LANGSFORD ROAD. N:996874.9690, E:2840937.1365

ELEV. 997.045

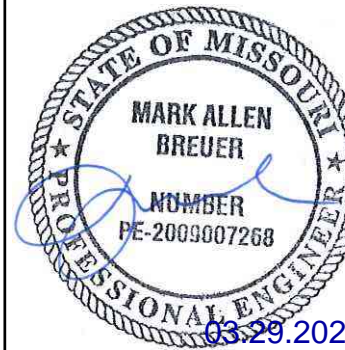
PROJECT BENCHMARK:

"SQUARE" CUT IN TOP OF CONCRETE STORM MANHOLE STORM MANHOLE IS LOCATED APPROX. 130 FEET EAST OF THE INTERSECTION OF SE JOEL AVE & BLUE PARKWAY AND 26 FEET SOUTH OF THE CENTERLINE OF BLUE PARKWAY. N:996874.9690, E:2840937.1365

ELEV. 1005.719



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

RESIDENCES, TRADITIONS & RESERVE AT BLACKWELL
MASS GRADING & EROSION SEDIMENT CONTROL PLANS

HERITAGE STREET LEE'S SUMMIT, MO

REVISION DATE	DESCRIPTION
01/23/2023	PER CITY COMMENTS
03/24/2023	PER CITY COMMENTS

DRAWN BY:	TRC
CHECKED BY:	MAB
DATE PREPARED:	11/30/2022
PROJ. NUMBER:	22-102

PRE-CONSTRUCTION
EROSION
CONTROL PLAN

SHEET

3

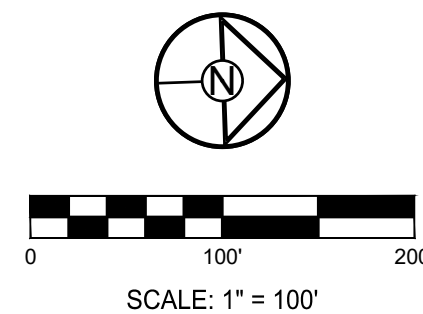
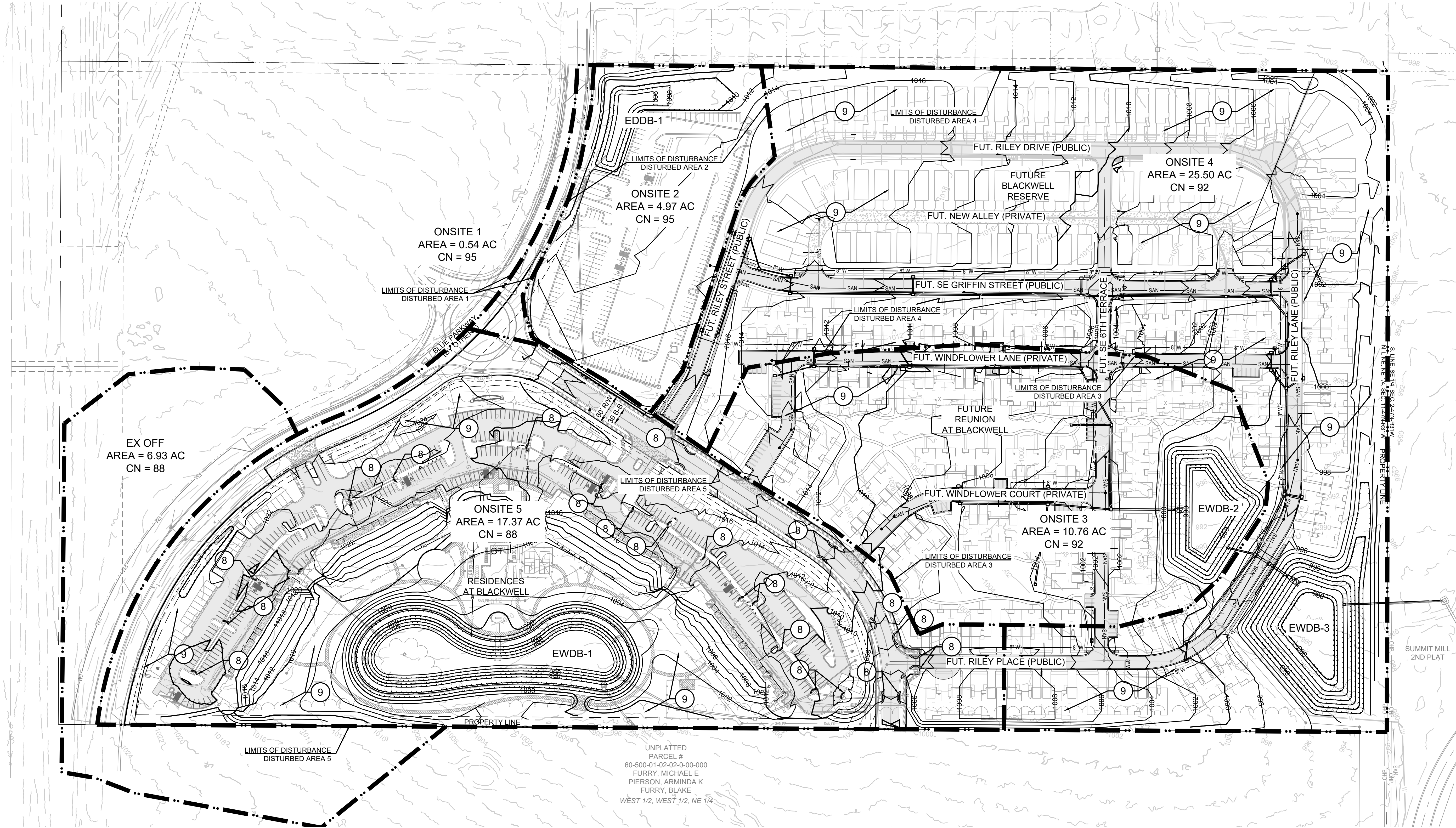
RESIDENCES, TRADITIONS & RESERVE AT BLACKWELL
MASS GRADING & EROSION SEDIMENT CONTROL PLANS
HERITAGE STREET LEE'S SUMMIT, MO

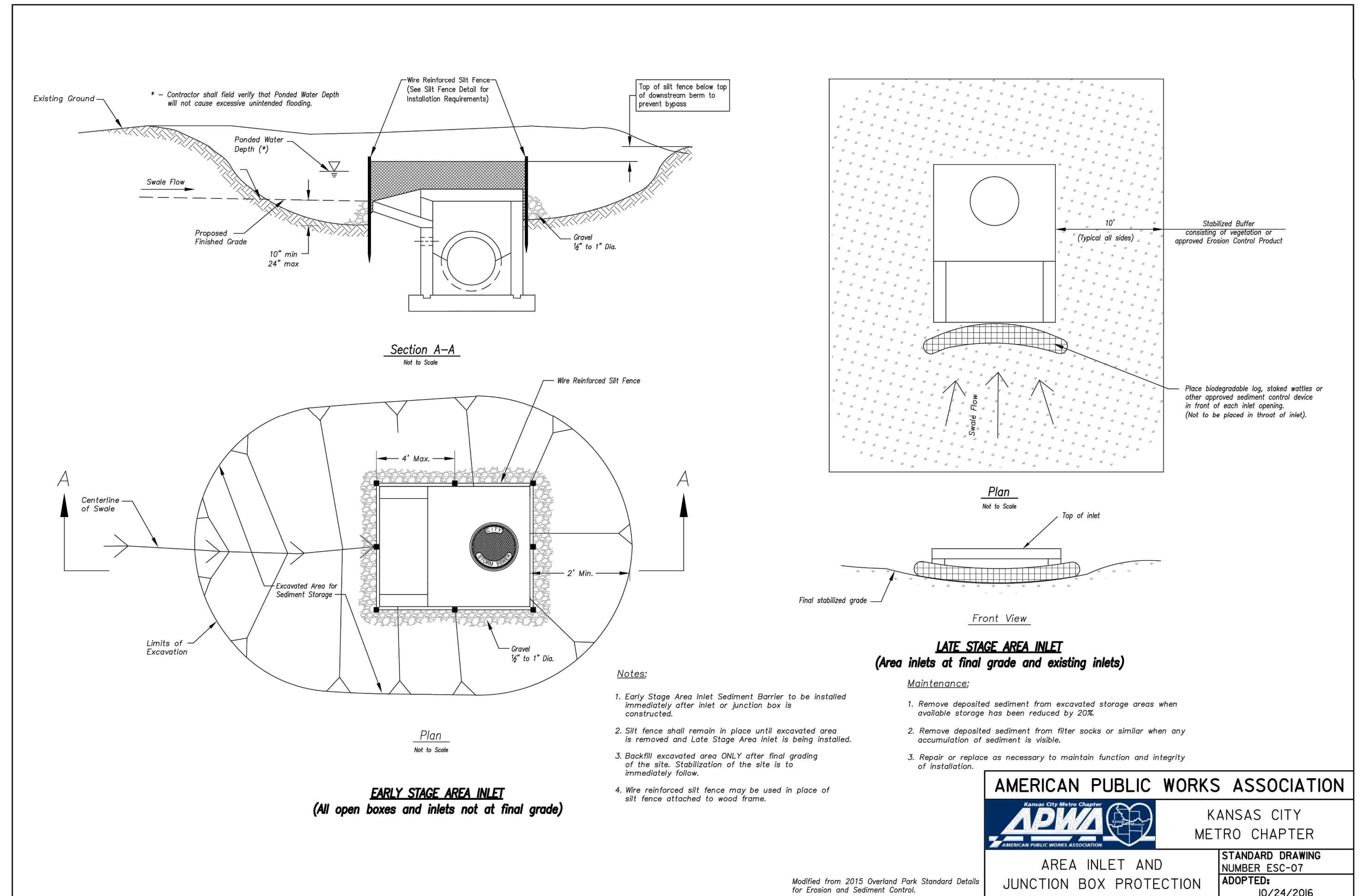
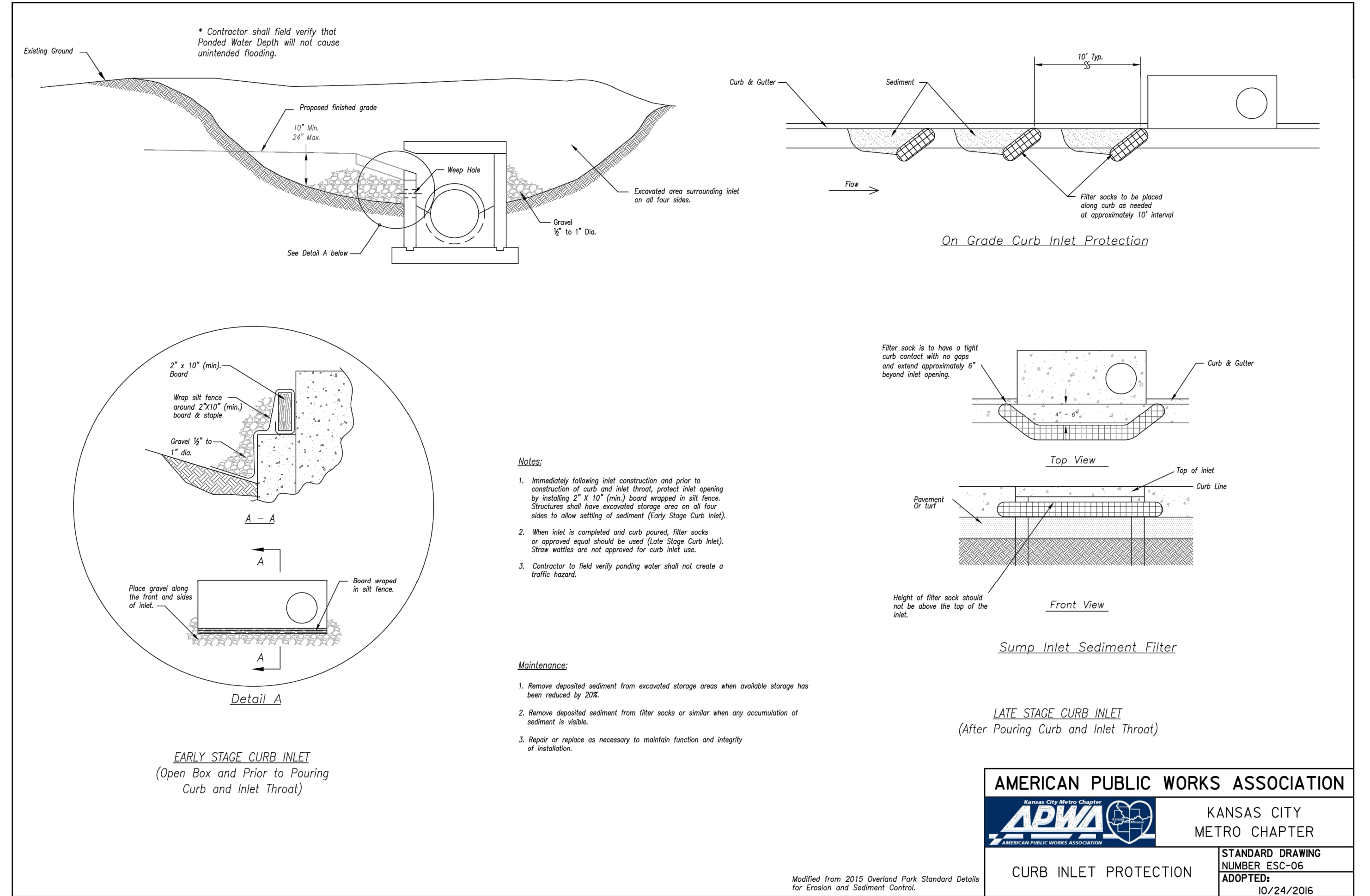
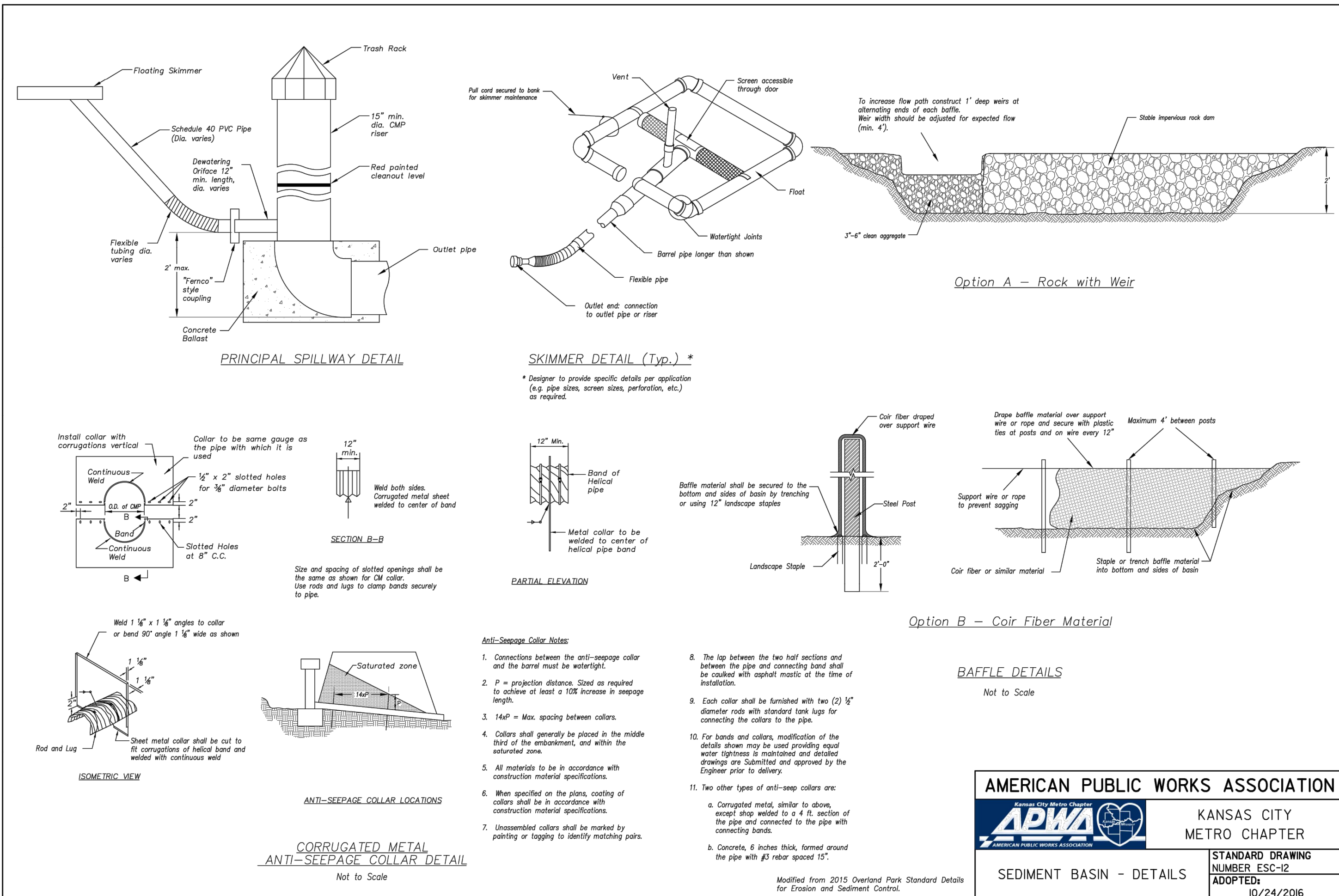
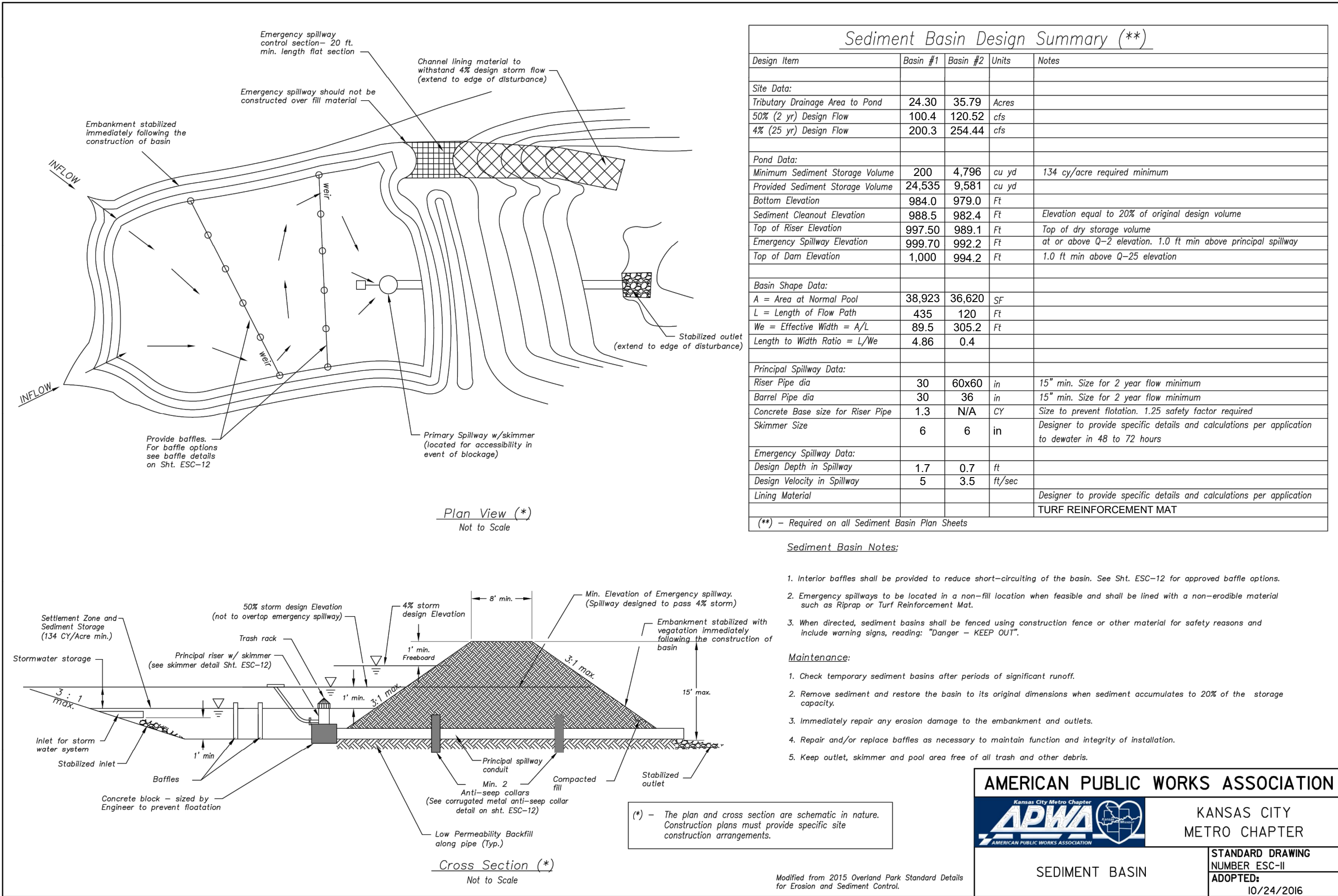
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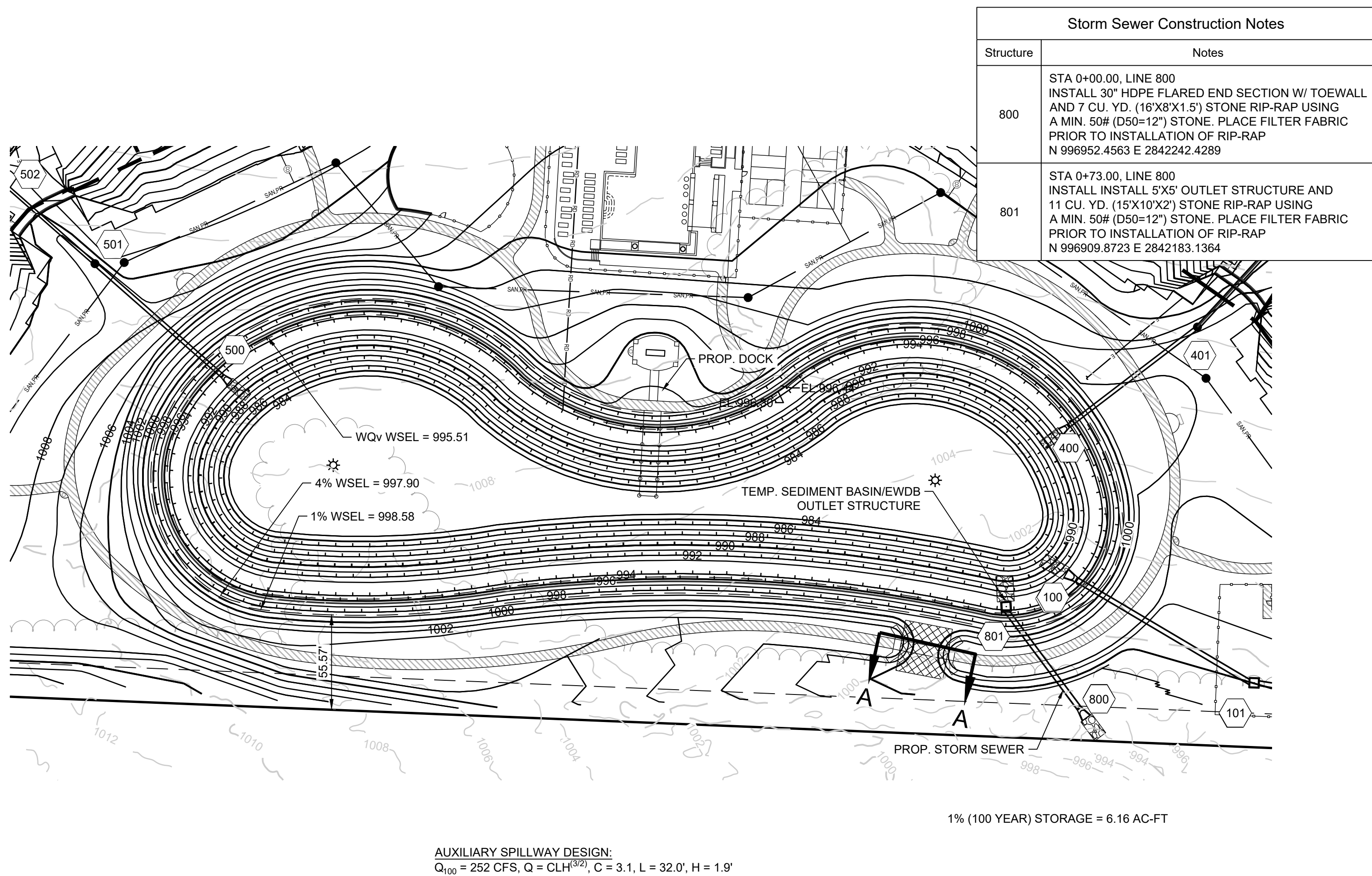
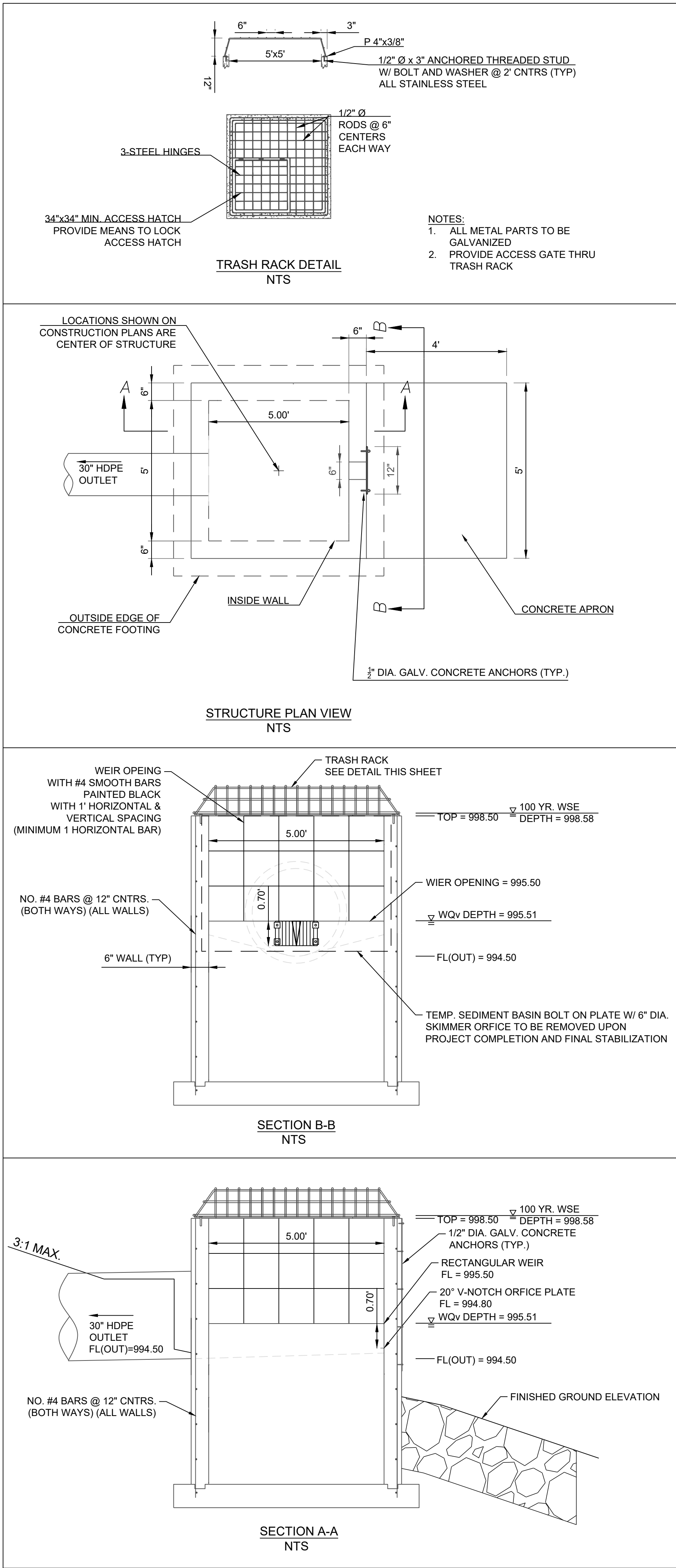
POST-CONSTRUCTION
EROSION
CONTROL PLAN

SHEET
5

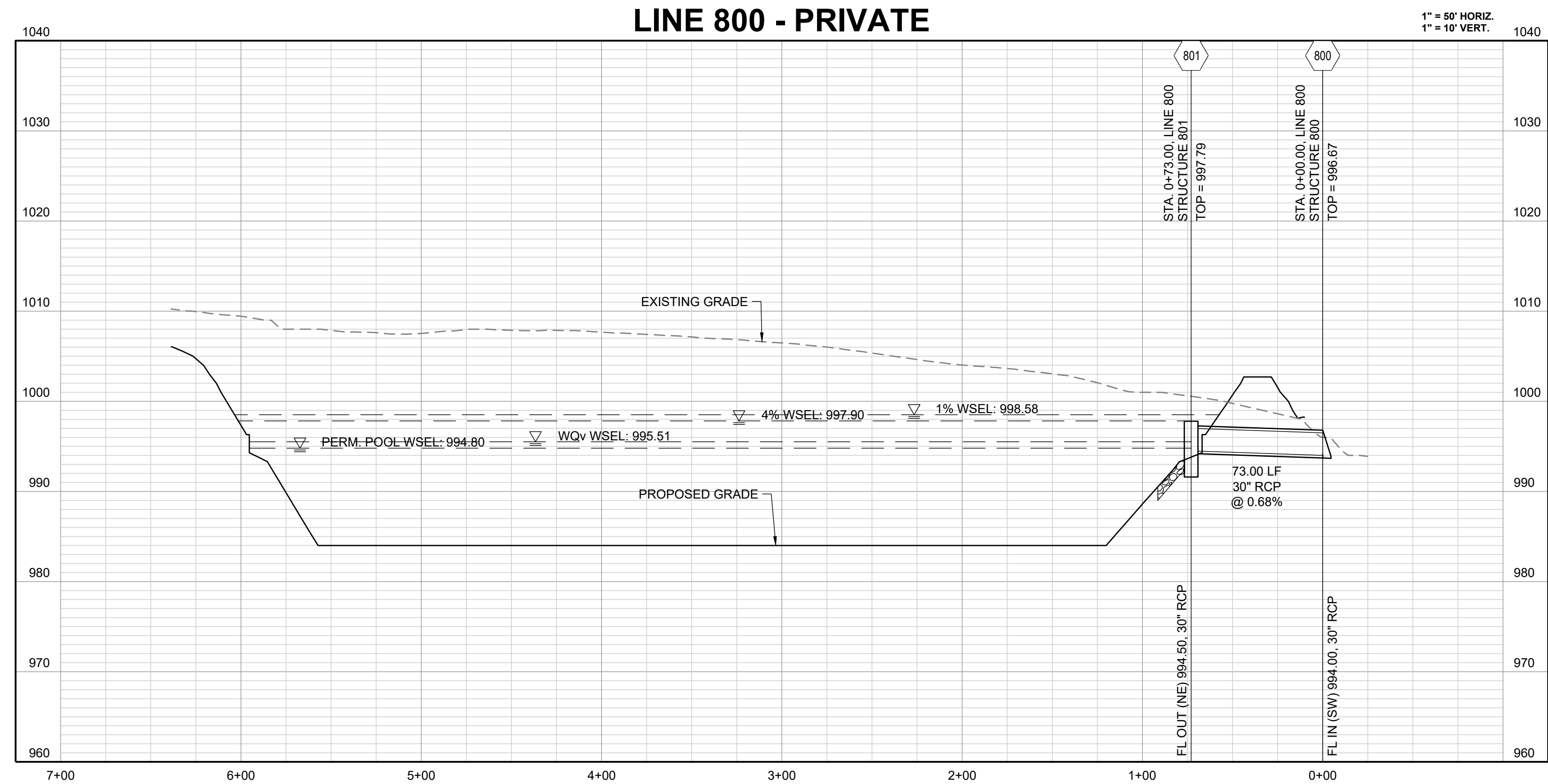




I:\PROJECTS\2022\22-1023.0 Design\3.0 DWG Plans\4.0 SDP\22-102-SDP- STORM - OUTLET.dwg, 7 OUTLET STRUCTURE 801, 1:1



NOTE:
TEMPORARY SEDIMENT BASIN AND OUTLET STRUCTURE
W/ SKIMMER AND PLATE SHALL BE CONSTRUCTED WITH
THE FIRST PHASE OF THE EROSION CONTROL PLAN.
UPON FINAL STABILIZATION THE SKIMMER, PLATE, AND
SEDIMENT SHALL BE REMOVED AND FINAL CONVERSION
TO DETENTION BASIN COMPLETED. AN AS-BUILT
RECORD DRAWING ACCEPTED BY THE CITY SHALL BE
REQUIRED PRIOR TO OCCUPANCY.



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HERITAGE STREET, SUMMIT, MO

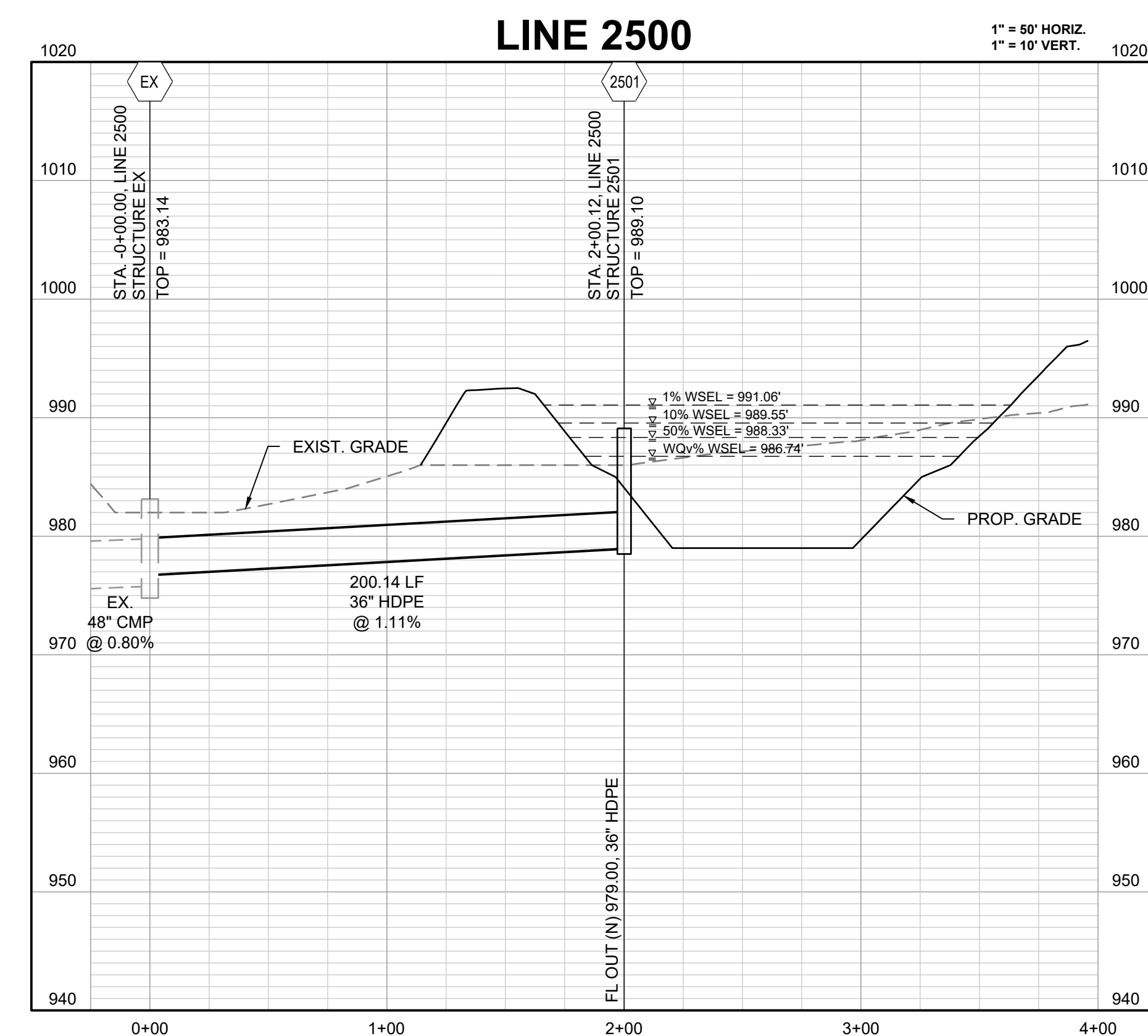
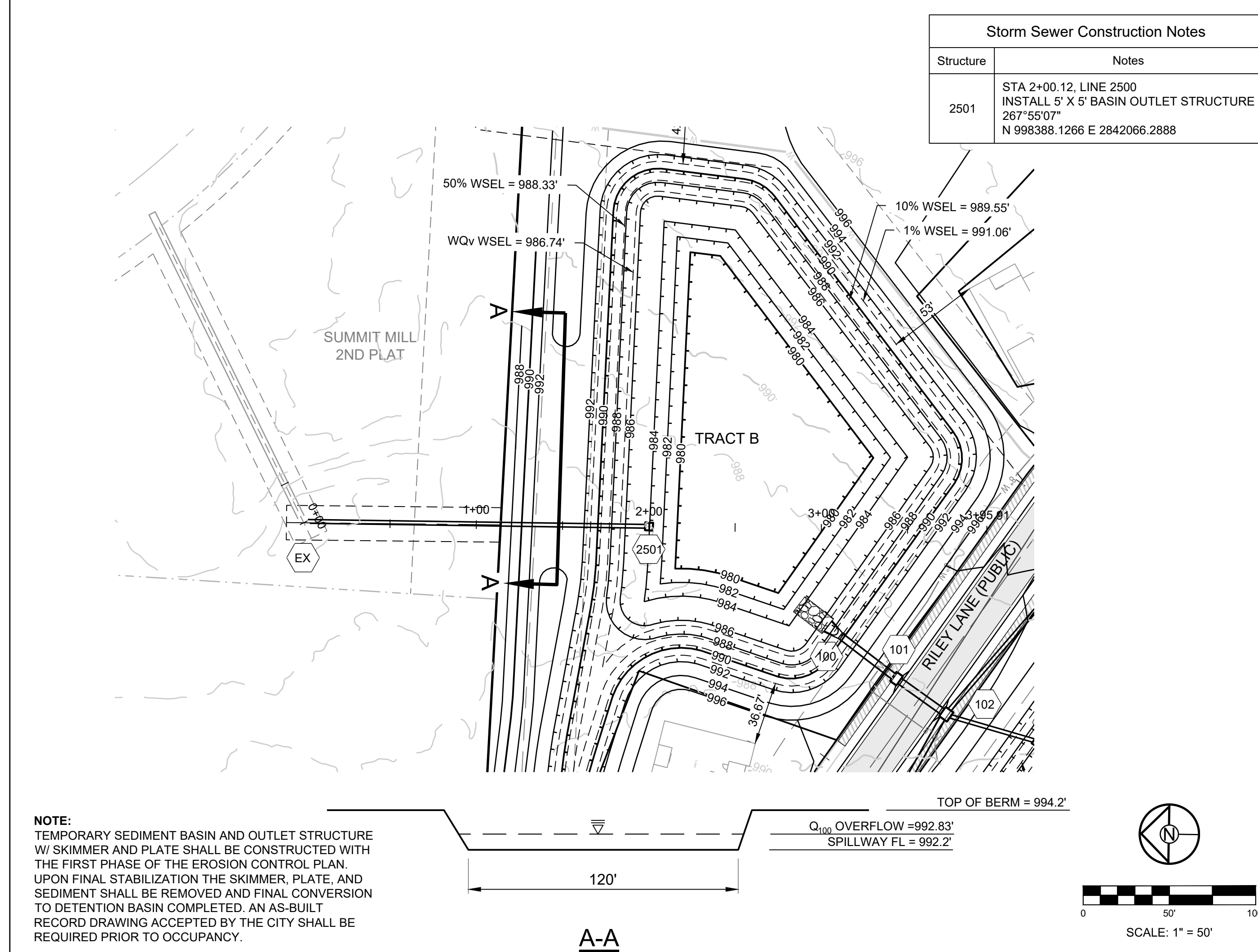
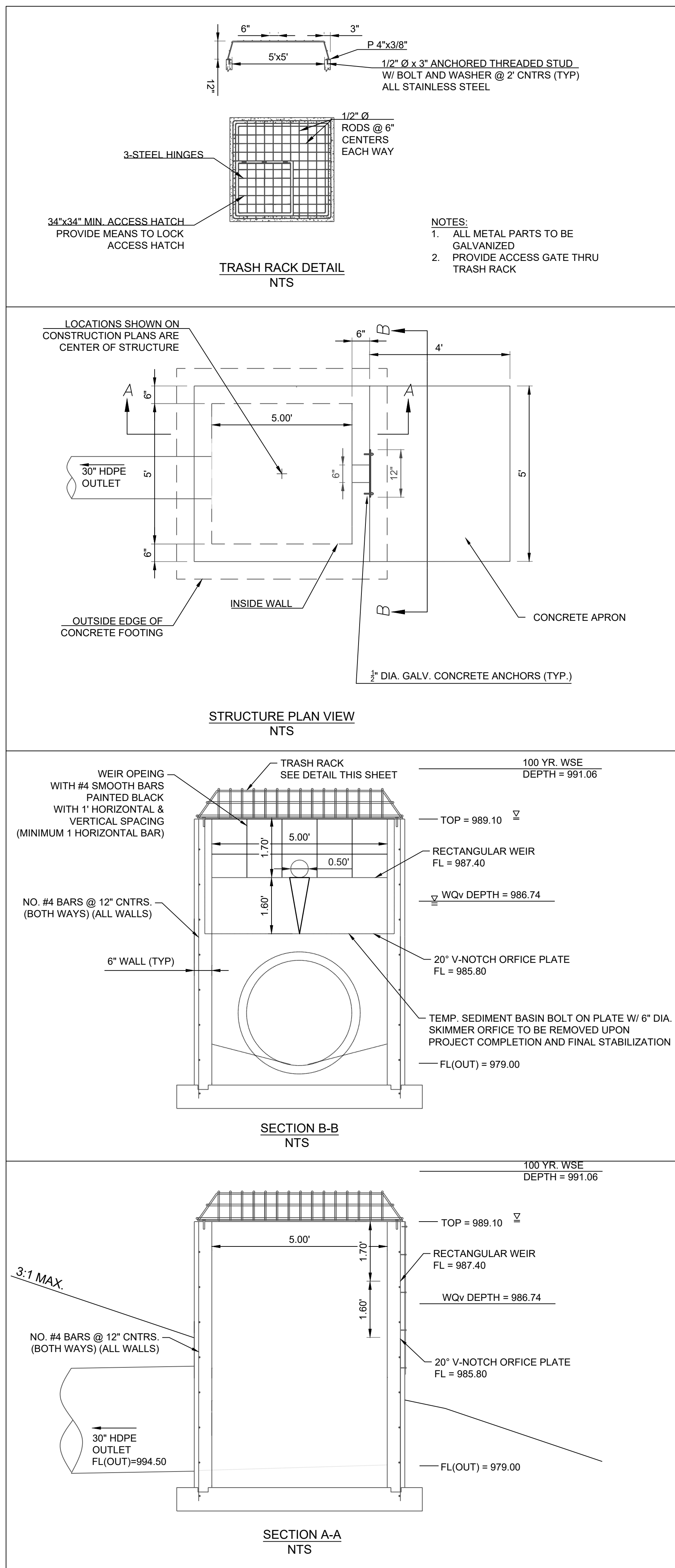
REVISION	DATE	DESCRIPTION
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2	03/24/2023	PER CITY COMMENTS
3		
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7		
8		

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DATE PREPARED:	11/30/2022
PROJ. NUMBER:	22-102

OUTLET
STRUCTURE 801

SHEET

8



Storm Sewer Construction Notes	
Structure	Notes
2501	STA 2+00.12, LINE 2500 INSTALL 5' X 5' BASIN OUTLET STRUCTURE 267°55'07" N 998388.1266 E 2842066.2888

SCHLAGEL
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WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003800-F #LAC20010085237 #LS2002006859-F

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CHECKED BY:	03/24/2023	PER CITY COMMENTS
MAB		
DATE PREPARED:		
11/30/2022		
PROJ. NUMBER		
22-102		

OUTLET
STRUCTURE 2501

SHEET

9