

MONUMENT JUNCTION WEST FILING NO. 1

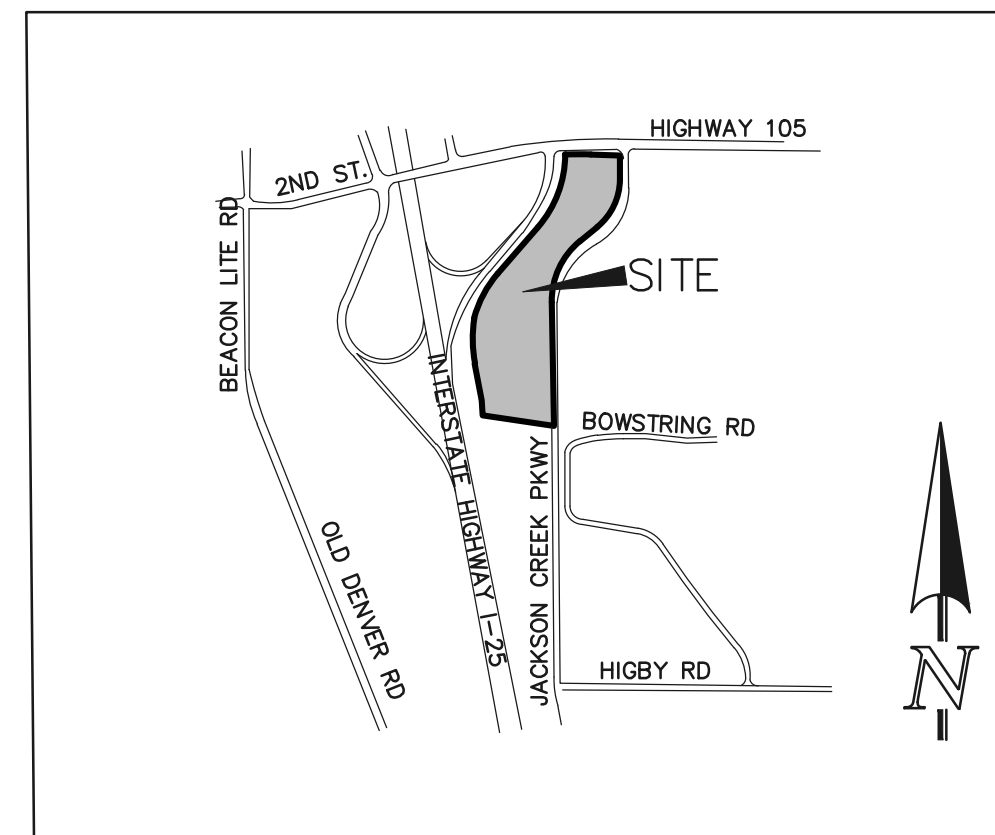
TOWN OF MONUMENT, COUNTY OF EL PASO, STATE OF COLORADO

CONSTRUCTION PLAN SET

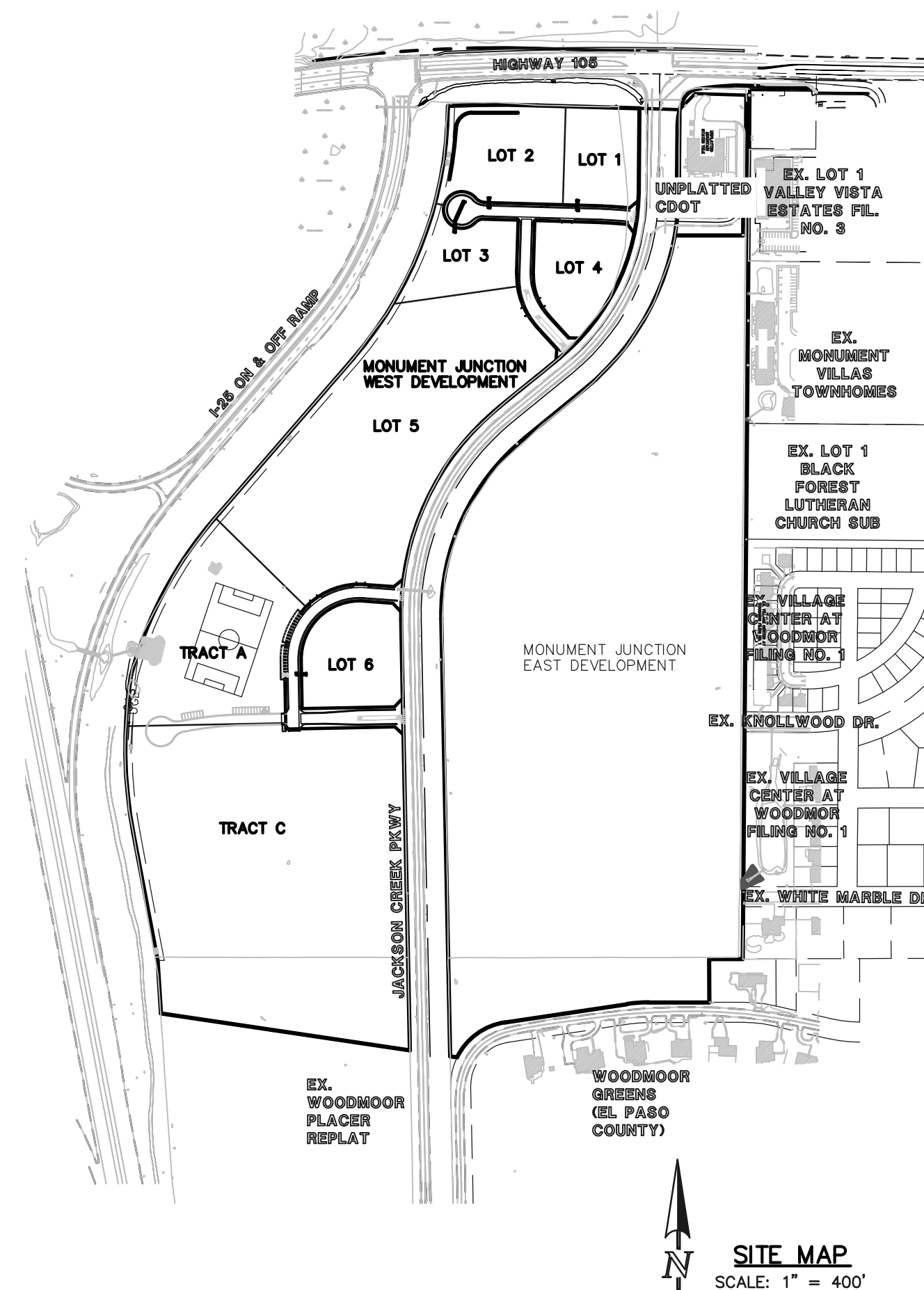
JULY 2022

TOWN OF MONUMENT GENERAL NOTES:

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE SITE WORK STANDARDS AND SPECIFICATIONS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF MONUMENT MUNICIPAL CODE CRITERIA, AND APPLICABLE STANDARDS, AND APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE TOWN OF MONUMENT INSPECTOR. THE TOWN WILL ALSO INSPECT ALL WORK ON PRIVATE PROPERTY.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE TOWN OF MONUMENT AND ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE TOWN INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TOWN AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH THE MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ALL PERMITS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND THE TOWN INSPECTOR IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH M.U.T.C.D. TO THE TOWN OF MONUMENT FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, WHICH SHALL BE AVAILABLE TO THE TOWN OF MONUMENT DEVELOPMENT SERVICES DEPARTMENT INSPECTOR AT ALL TIMES. A REPRODUCIBLE SET OF AS-BUILT DRAWINGS MUST BE FURNISHED TO THE TOWN OF MONUMENT AT THE COMPLETION OF THE PROJECT, PRIOR TO FINAL APPROVAL BY THE TOWN AND AS A CONDITION FOR OBTAINING A CERTIFICATE OF OCCUPANCY.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER-OF-RECORD FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
14. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. THE CONTRACTOR SHALL SEQUENCE THE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
16. NO SITE-RELATED IMPROVEMENTS MAY COMMENCE UNTIL A PRE-CONSTRUCTION MEETING IS HELD WITH THE TOWN OF MONUMENT AND ALL APPLICABLE PERMITS ARE OBTAINED.
17. THE DEVELOPER MUST IDENTIFY TO THE TOWN OF MONUMENT, PRIOR TO THE START OF ANY WORK, A QUALIFIED PLAN PERSON RESPONSIBLE FOR REVIEWING AND MONITORING ALL OPERATIONS IN ORDER TO PREVENT OR MINIMIZE THE IMPACT OF VIBRATION, NOISE, DUST, DRAINAGE, AND EROSION DAMAGE, AND OTHER FORMS OF POLLUTION ON NEARBY PROPERTY AND THE PUBLIC AS A WHOLE. THE DEVELOPER MUST WRITE TO THE OWNERS/OCCUPANTS OF PROPERTIES WITHIN AT LEAST 100 YARDS OF THE LIMITS OF THE WORKSITE, INFORMING THEM OF THE NATURE AND TIMING OF THE PROJECT AND PROVIDING CONTACT DETAILS FOR COMPLAINTS. THE TOWN, PRIOR TO THE COMMENCEMENT OF THE PROJECT, MUST APPROVE A COPY OF THE LETTER, MAILING LIST, AND DELIVERY DATES.
18. *****TOWN OF MONUMENT DISCLAIMER*****
THE APPROVAL OF THESE SITE CONSTRUCTION PLANS PRIOR TO SITE PLAN APPROVAL DOES NOT IN ANY WAY OBLIGATE THE TOWN TO APPROVE SUBSEQUENT SUBMITTALS (I.E., SITE PLANS AND PLATS), AND THE TOWN HAS NO LIABILITY IN ANY FORM DUE TO ITS ACTIONS IN THE APPROVAL OF THESE SITE CONSTRUCTION PLANS.



VICINITY MAP
N.T.S.



SITE MAP
SCALE: 1" = 400'

GENERAL CONSTRUCTION NOTES:

1. THE TOWN OF MONUMENT DESIGN CRITERIA & CONSTRUCTION SPECIFICATIONS MANUAL IS CONSIDERED PART OF THIS CONSTRUCTION DRAWING SET. THIS DESIGN AND PLAN SET IS INCOMPLETE WITHOUT THIS SPECIFICATIONS MANUAL. THE CONTRACTOR SHALL OBTAIN A COPY OF THIS MANUAL AND BE FAMILIAR WITH IT FOR ALL CONSTRUCTION ACTIVITIES. A COPY CAN BE OBTAINED FROM THE TOWN BY CALLING 499-3375.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN COMPLIANCE WITH THE TOWN CRITERIA AND CONSTRUCTION SPECIFICATION MANUAL AND TOWN OF MONUMENT MUNICIPAL CODE AND SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF MONUMENT INSPECTOR.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ACTUAL CONSTRUCTION. ALL EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION OF RECORD. THE CONTRACTOR IS RESPONSIBLE TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE EXISTING UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS AND AGREES TO ACCEPT FULL RESPONSIBILITY FOR FAILURE TO LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.
4. THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING IMPROVEMENTS TO BE MET BY THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. ANY SIGNIFICANT DISCREPANCIES FOUND BETWEEN THIS PLAN SET AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD FOR APPROPRIATE ACTION.
5. THE CONTRACTOR IS ADVISED THAT ALL EXISTING CONDITIONS OUTSIDE THE AREA OF WORK SHALL BE PROTECTED, IF DAMAGE OCCURS DURING CONSTRUCTION, IT WILL BE REPLACED IN THE ORIGINAL EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
6. CONCRETE USED FOR CONSTRUCTION OF CURB AND GUTTER, SIDEWALK, AND CROSSPANS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I. AFTER 28 DAYS.
7. ALL DISTURBED PAVEMENT EDGES WILL BE CUT TO NEAT LINES. THE THICKNESS OF ANY REPLACED ASPHALT AND BASE COURSE SHALL EQUAL OR EXCEED THE EXISTING THICKNESS.
8. WHEN ABUTTING NEW PAVEMENT TO EXISTING, OR TO REMOVE ANY BROKEN OR CRACKED PAVEMENT, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE TOWN INSPECTOR.
9. FINAL GRADING OF CURBS AND PAVING SHALL PROVIDE POSITIVE DRAINAGE. STANDING WATER POCKETS OR PONDING WILL NOT BE ACCEPTABLE.
10. WHERE REMOVAL OF EXISTING CURB, GUTTER, SIDEWALK, OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB, GUTTER, AND SIDEWALK SHOWN AS EXISTING ON THESE PLANS IS NOT TO BE REMOVED UNLESS OTHERWISE NOTED. IF ANY OF THE EXISTING CURB, GUTTER, OR SIDEWALK IS DAMAGED BY THE CONTRACTOR, THEN IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND ROUTING DURING CONSTRUCTION, IF REQUIRED. TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE WORK AREA AT ALL TIMES.
12. ALL DISTURBED AREAS THAT ARE TO REMAIN UNCOVERED FOR A PERIOD GREATER THAN 2 MONTHS SHALL BE RESEEDED AND WATERED UNTIL STABLE VEGETATION IS ESTABLISHED.
13. AT LEAST ONE SIGNED AND STAMPED SET OF THESE CONSTRUCTION DRAWINGS SHALL BE KEPT ON-SITE AT ALL TIMES.

AGENCIES

OWNER:	ELITE PROPERTIES OF AMERICA, INC. DBA: CLASSIC COMPANIES 2138 FLYING HORSE CLUB DRIVE COLORADO SPRINGS, CO 80921 MR. STEVE SCHLOSSER (719) 592-9333
CIVIL ENGINEER:	CLASSIC CONSULTING 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, COLORADO 80903 MR. MARC A. WHORTON, P.E. (719) 785-2802
FIRE DISTRICT:	TRI-LAKES/MONUMENT FIRE PROTECTION DISTRICT 16055 OLD FOREST POINT, SUITE 103 MONUMENT, CO 80132 CHIEF/FIRE MARSHALL JAMEY BUMGARDNER (719) 484-0911
GAS COMPANY:	BLACKHILLS ENERGY 37 WIDEFIELD BOULEVARD WIDEFIELD, COLORADO 80911 MR. GEORGE M. PETERSON, (719) 392-3491
ELECTRIC COMPANY:	MOUNTAIN VIEW ELECTRIC ASSOC., INC. 11140 EAST WOODMEN ROAD FALCON, COLORADO 80831 MS. AMY CALLAGHAN (719) 495-2283
WATER & WASTEWATER:	TRIVIEW METROPOLITAN DISTRICT 16055 OLD FOREST POINT, SUITE 103 MONUMENT, COLORADO 80132 (719) 488 6868
TELEPHONE COMPANY:	CENTURYLINK (LOCATORS) 811 COMCAST (LOCATORS) 811

SHEET INDEX

SHEET 1 OF 13	TITLE SHEET
SHEET 2-4 OF 13	STREET IMPROVEMENT PLANS & PROFILES
SHEETS 5-8 OF 13	STORM SEWER PLANS & PROFILES
SHEETS 9-11 OF 13	DETENTION FACILITY PLANS
SHEETS 12-13 OF 13	DETAIL SHEETS

TOWN OF MONUMENT APPROVAL:

THESE PLANS HAVE BEEN REVIEWED BY TOWN OF MONUMENT STAFF AND FOUND TO BE IN GENERAL COMPLIANCE WITH TOWN STANDARDS. IT IS THE RESPONSIBILITY OF THE SITE ENGINEER AND GENERAL CONTRACTOR TO ENSURE CONSTRUCTION IS IN COMPLIANCE WITH THESE PLANS AND IN CONFORMANCE WITH THE TOWN OF MONUMENT ORDINANCES AND REGULATIONS. THE SPECIFICATIONS, STANDARDS, AND INTENT OF THE TOWN OF MONUMENT ORDINANCES, REGULATIONS AND THE CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUALS VOLUMES 1 AND 2 SHALL PREVAIL IN ANY INSTANCES WHERE THESE PLANS DIFFER FROM THOSE REQUIREMENTS. THE DEVELOPMENT SERVICES DEPARTMENT SHALL BE NOTIFIED IF ANY CHANGES NEED TO BE MADE.

SIGNED _____ DATE _____
TOWN OF MONUMENT

ENGINEERS STATEMENT:

IF SUCH WORK IS PERFORMED IN ACCORDANCE WITH THESE IMPROVEMENT PLANS, THE WORK WILL NOT BECOME A HAZARD TO LIFE AND LIMB, ENDANGER PROPERTY, OR ADVERSELY AFFECT THE SAFETY, USE OR STABILITY OF A PUBLIC WAY, DRAINAGE CHANNEL, OR OTHER PROPERTY.



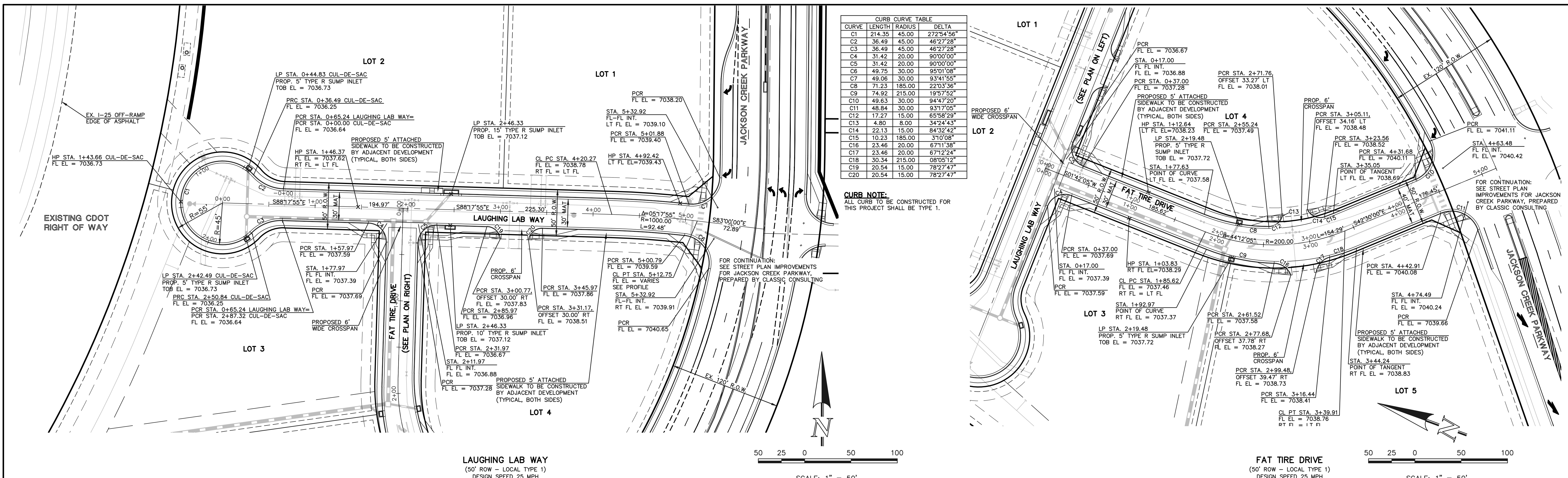
SIGNED _____ DATE 8/12/2022
MARC A. WHORTON, COLORADO P.E. NO. 37155
FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS.

BENCHMARKS:

- BENCHMARK #1: THE NORTHWESTERLY CORNER OF A CONCRETE FIBER OPTIC VAULT LOCATED ON THE SOUTHEAST CORNER OF THE INTERSECTION OF HIGHWAY 105 AND JACKSON CREEK PARKWAY, APPROXIMATELY 50' EAST OF THE CENTERLINE OF JACKSON CREEK PARKWAY. ELEVATION = 7033.96
- BENCHMARK #2: A SANITARY SEWER MANHOLE LOCATED ON THE NORTH SIDE OF HIGHWAY 105 APPROXIMATELY 700 FEET WEST OF THE INTERSECTION OF HIGHWAY 105 AND JACKSON CREEK PARKWAY. ELEVATION = 7007.79

<p style="text-align: center;">48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p style="text-align: center;">811</p> <p style="text-align: center;">UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p style="font-size: small;">THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO. REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	NO. REVISION	DATE									<p>REVIEW:</p> <p style="font-size: x-small;">PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <div style="text-align: center;"> <p>MARC A. WHORTON, COLORADO P.E. #37155</p> </div> <p style="text-align: right;">8/12/2022 DATE</p>	<div style="text-align: center;"> <p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p> </div> <p style="font-size: x-small;">619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax)</p>	<p>MONUMENT JUNCTION WEST FILING NO. 1</p> <p>CONSTRUCTION PLANS</p> <p>CONSTRUCTION PLAN SET</p> <p>TITLE SHEET</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td>DESIGNED BY</td> <td>MAW</td> <td>SCALE</td> <td>DATE</td> <td>06/20/22</td> </tr> <tr> <td>DRAWN BY</td> <td>LDB</td> <td>(H) 1" = N/A</td> <td>SHEET</td> <td>1 OF 13</td> </tr> <tr> <td>CHECKED BY</td> <td></td> <td>(V) 1" = N/A</td> <td>JOB NO.</td> <td>1302.20</td> </tr> </table>	DESIGNED BY	MAW	SCALE	DATE	06/20/22	DRAWN BY	LDB	(H) 1" = N/A	SHEET	1 OF 13	CHECKED BY		(V) 1" = N/A	JOB NO.	1302.20
NO. REVISION	DATE																												
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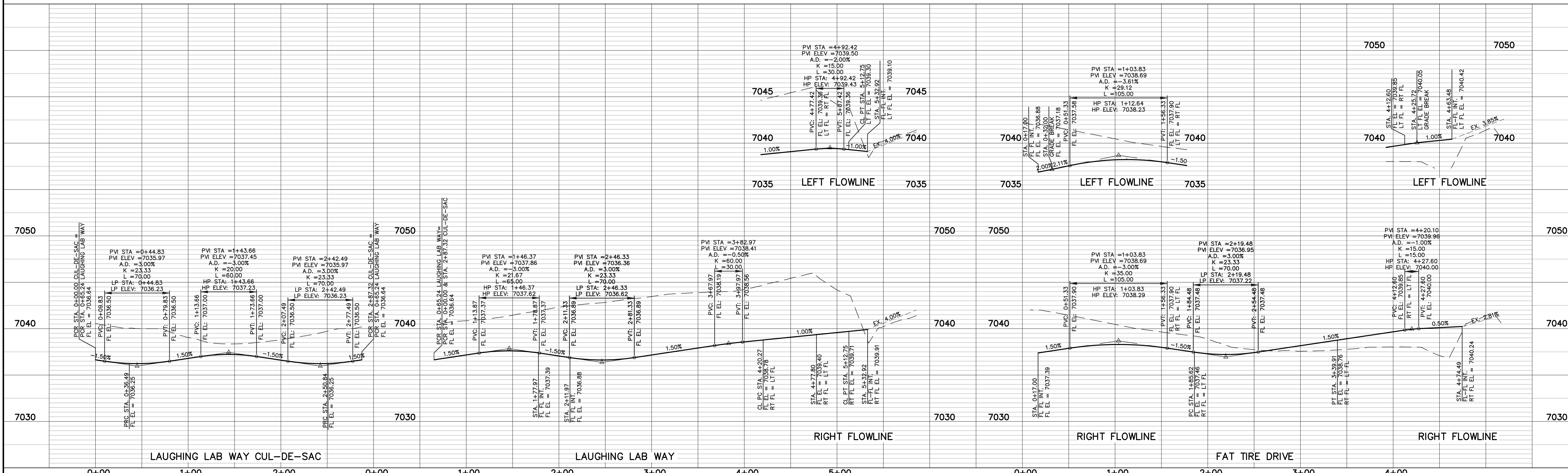
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CURVE	LENGTH	RADIUS	DELTA
C1	214.35	45.00	272°54'56"
C2	36.49	45.00	46°27'28"
C3	36.49	45.00	46°27'28"
C4	31.42	20.00	90°00'00"
C5	31.42	20.00	90°00'00"
C6	49.75	30.00	95°01'08"
C7	49.06	30.00	93°41'55"
C8	71.23	185.00	22°03'36"
C9	74.92	215.00	19°57'52"
C10	49.63	30.00	94°47'20"
C11	48.84	30.00	93°17'05"
C12	17.27	15.00	65°58'29"
C13	4.80	8.00	34°24'43"
C14	22.13	15.00	84°32'42"
C15	10.23	185.00	31°00'08"
C16	23.46	20.00	67°12'24"
C17	23.46	20.00	67°12'24"
C18	30.34	215.00	08°05'12"
C19	20.54	15.00	78°27'47"
C20	20.54	15.00	78°27'47"

LAUGHING LAB WAY
(50' ROW - LOCAL TYPE 1)
DESIGN SPEED 25 MPH

FAT TIRE DRIVE
(50' ROW - LOCAL TYPE 1)
DESIGN SPEED 25 MPH



LAUGHING LAB WAY CUL-DE-SAC

LAUGHING LAB WAY

FAT TIRE DRIVE

48 HOURS BEFORE YOU DIG,
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811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO.	REVISION	DATE
1	REVISED PER TOWN COMMENTS	7-1-22
2	REVISED PER TOWN COMMENTS	8-10-22

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS & SURVEYORS, LLC

MARC A. WHORTON, P.E., P.S., P.L.S., #37155
DATE: 8/12/2022

CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

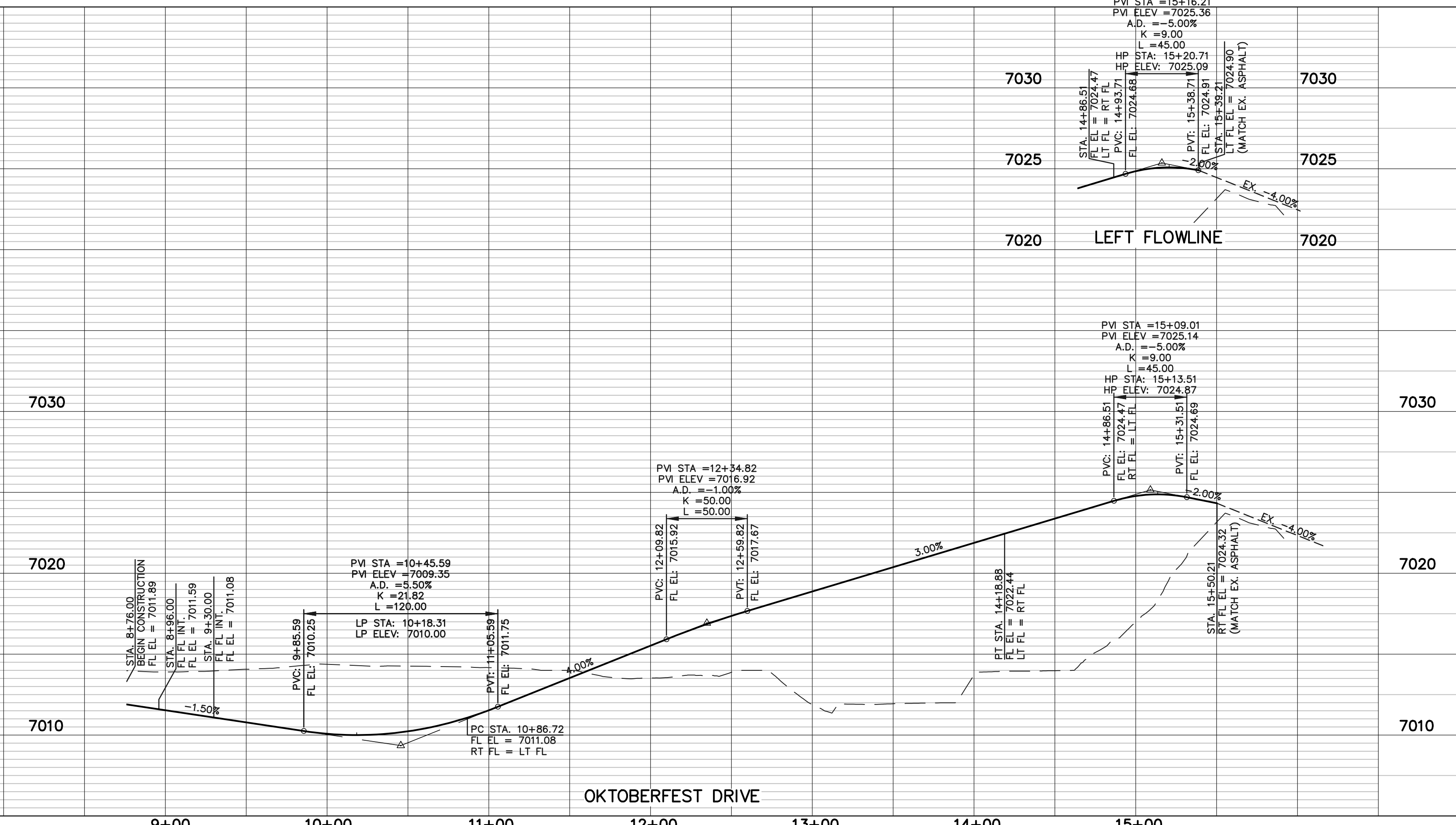
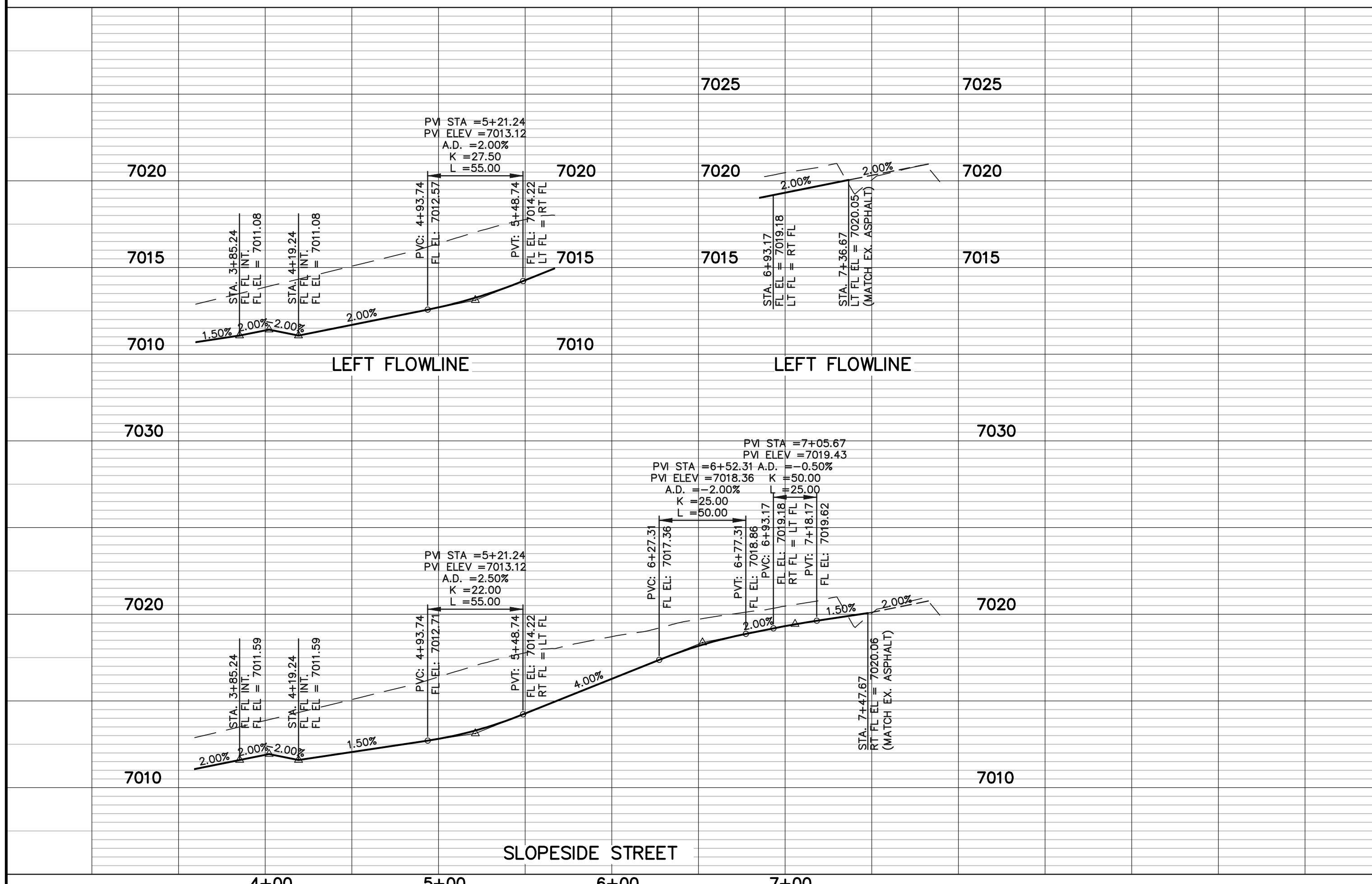
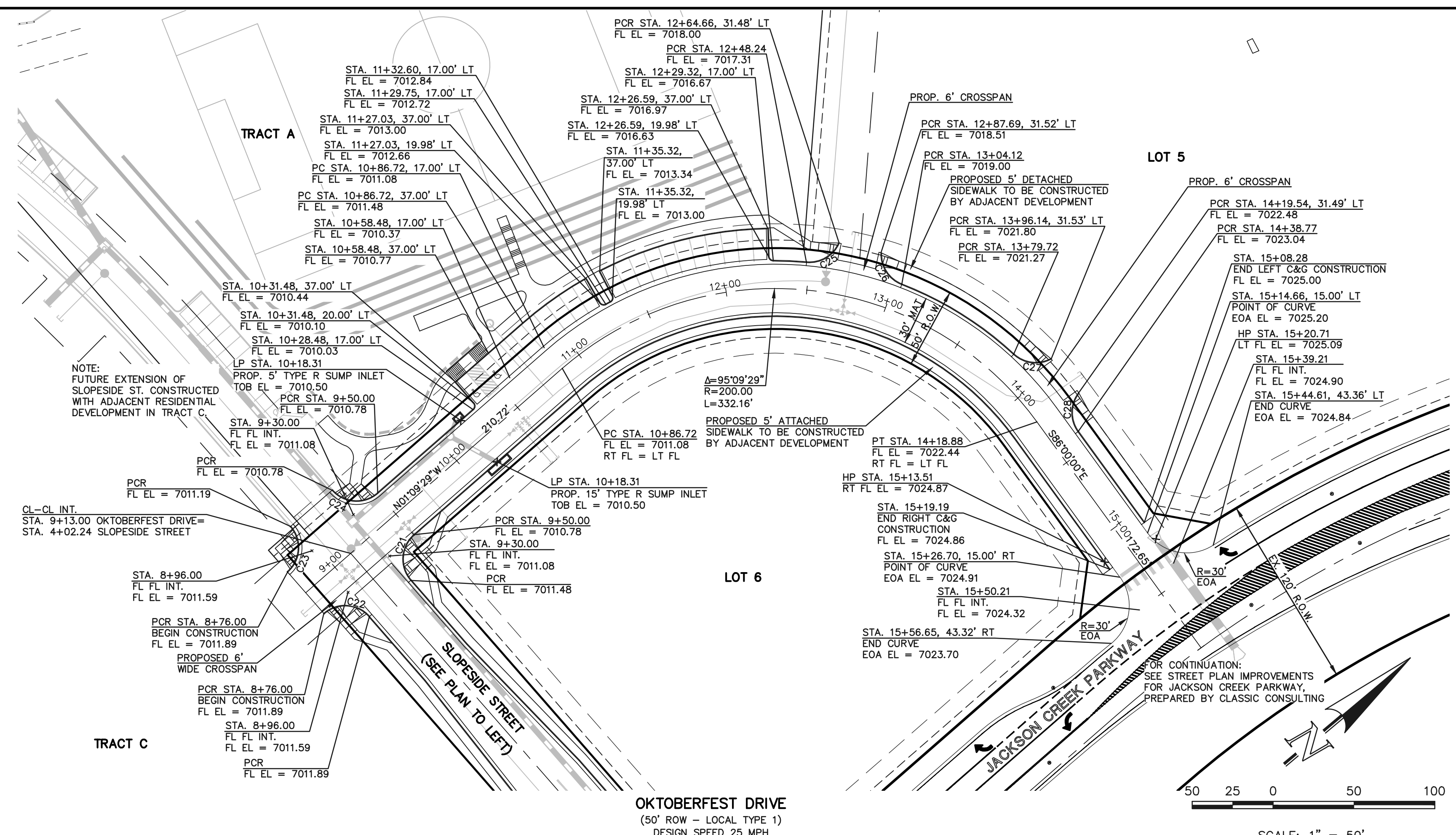
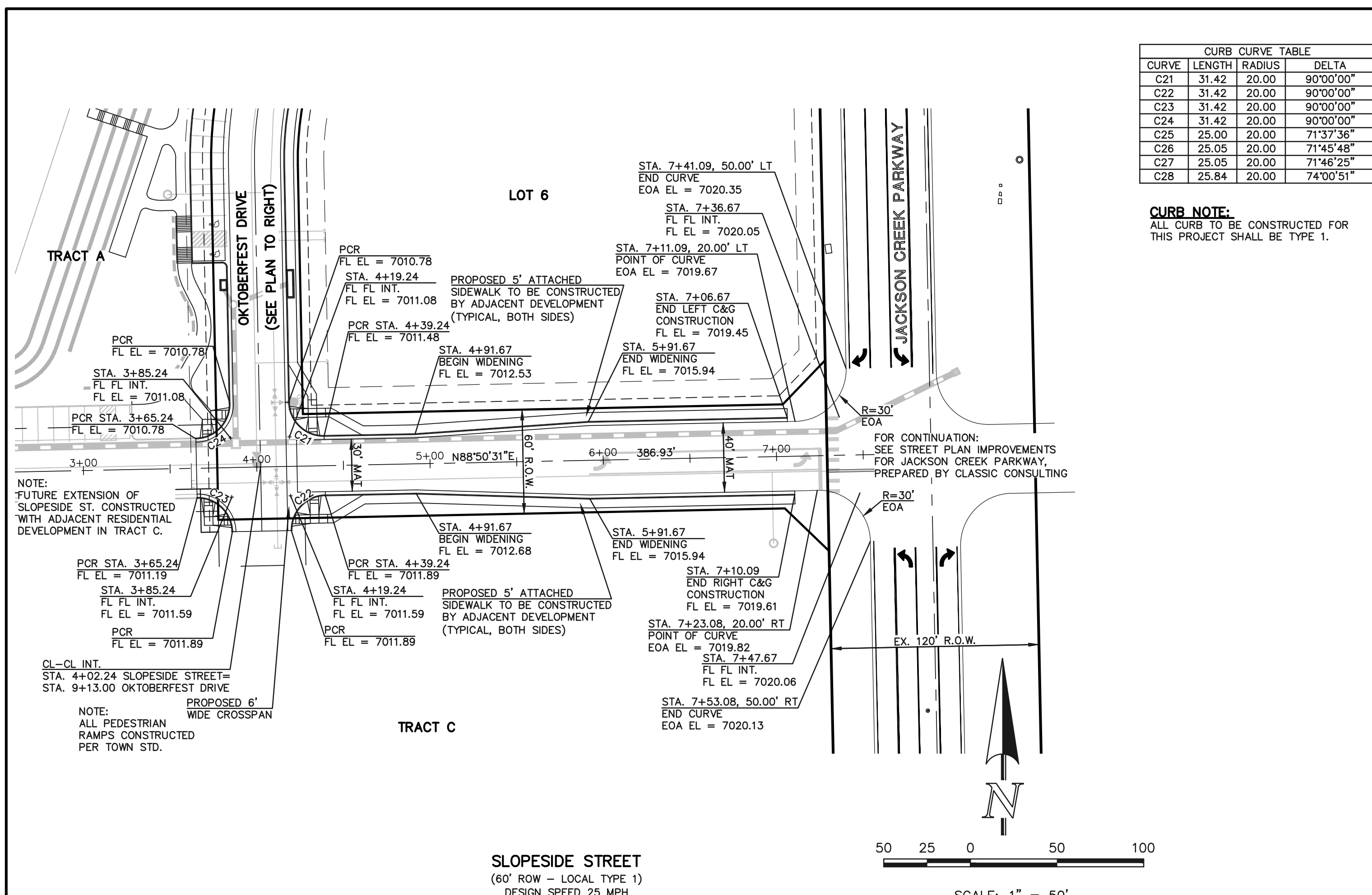
MONUMENT JUNCTION WEST FILING NO. 1
PUBLIC STREET IMPROVEMENT PLANS
STREET IMPROVEMENT PLAN & PROFILES

DESIGNED BY	PRA	SCALE	DATE	03/30/22
DRAWN BY	PRA	(H) 1" = 50'	SHEET	2 OF 13
CHECKED BY	(V) 1" = 5'	JOB NO.	1302.20	

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CURVE	LENGTH	RADIUS	DELTA
C21	31.42	20.00	90°00'00"
C22	31.42	20.00	90°00'00"
C23	31.42	20.00	90°00'00"
C24	31.42	20.00	90°00'00"
C25	25.00	20.00	71°37'36"
C26	25.00	20.00	71°45'48"
C27	25.00	20.00	71°46'25"
C28	25.84	20.00	74°00'51"

CURB NOTE:
ALL CURB TO BE CONSTRUCTED FOR THIS PROJECT SHALL BE TYPE 1.



48 HOURS BEFORE YOU DIG,
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NO.	REVISION	DATE
1	REVISED PER TOWN COMMENTS	6-29-22
2	REVISED PER TOWN COMMENTS	8-10-22

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO PROFESSIONAL ENGINEER #37155



MONUMENT JUNCTION WEST FILING NO. 1
PUBLIC STREET IMPROVEMENT PLANS
STREET IMPROVEMENT PLAN & PROFILES

DESIGNED BY: PRA
DRAWN BY: PRA
CHECKED BY: PRA

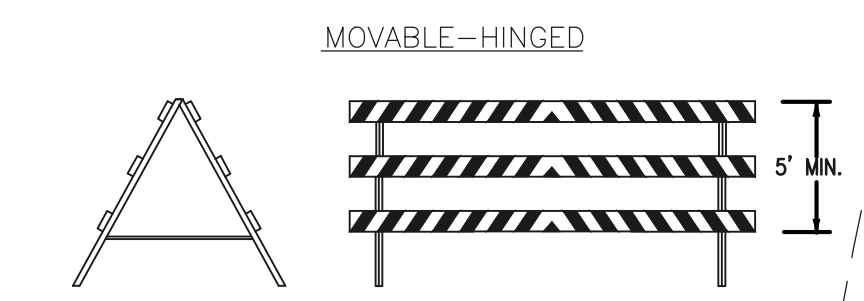
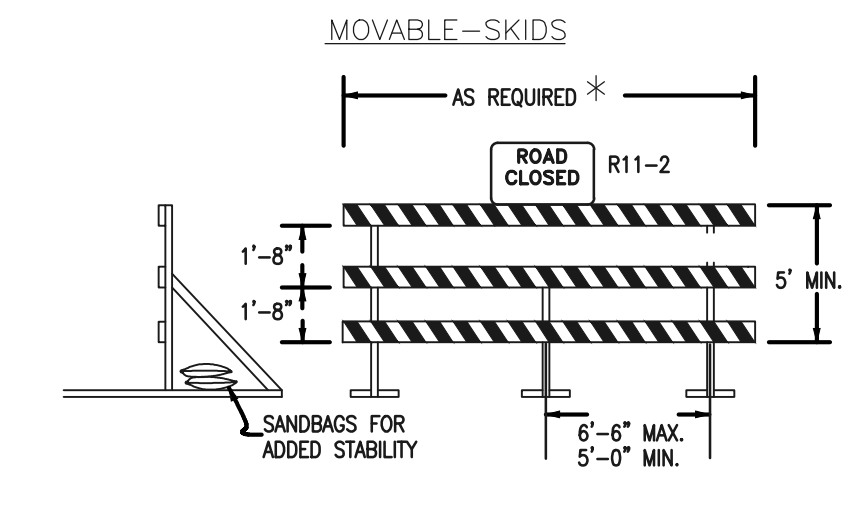
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(V) 1" = 5'

DATE: 03/30/22
SHEET: 3 OF 13
JOB NO.: 1302.20

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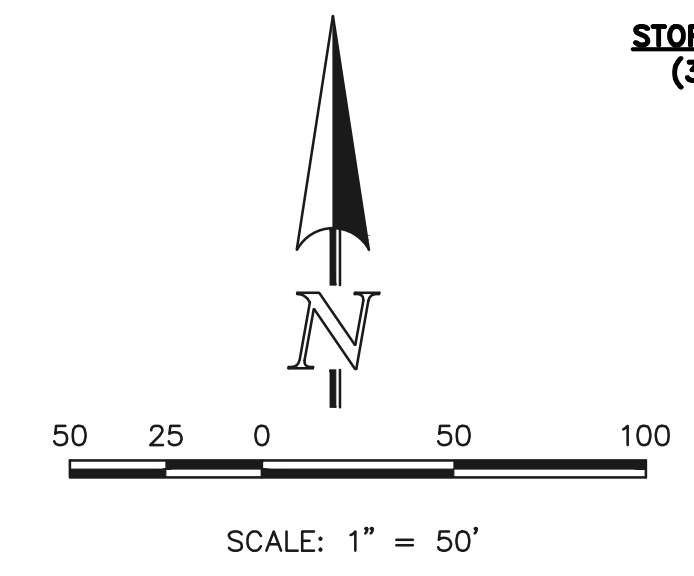
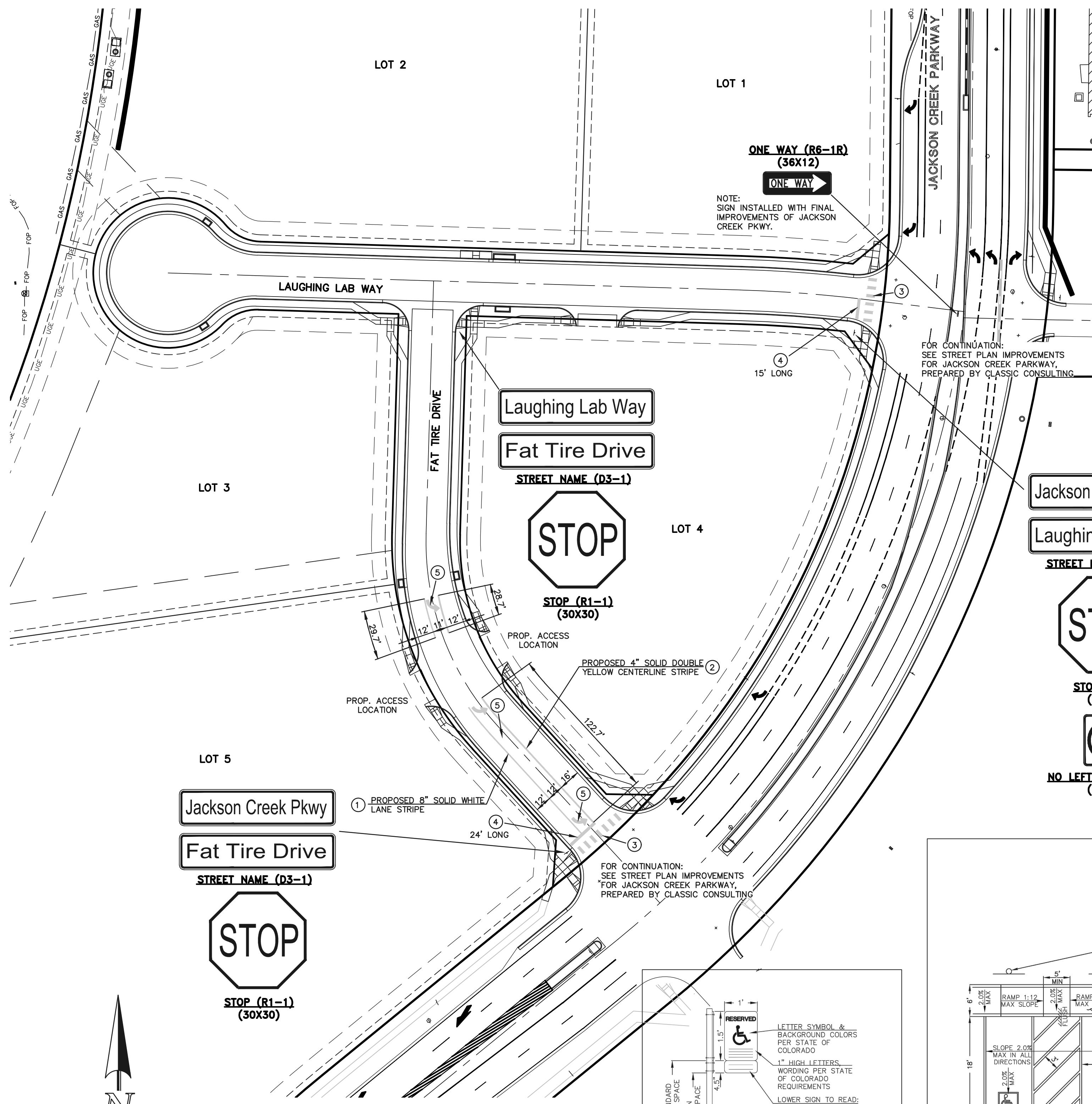
RAIL LENGTH TABLE *

TYPE 3 BARRICADE		LENGTH
FIXED	MOVABLE	
F - A	M - A	8' - 14'
F - B	M - B	15' - 24'
F - C	M - C	25' - 35'
F - D	M - D	> 35'



- NOTES
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
 - THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
 - DETACHABLE EXTENSION WING RAILS FOR BYPASSING OF CONSTRUCTION EQUIPMENT ARE PERMITTED, WHEN NECESSARY, ON FIXED OR MOVABLE TYPE 3 BARRICADES. THE LENGTH SHALL BE ADEQUATE TO CLOSE THE SHOULDER AS REQUIRED.

TYPICAL TYPE 3 BARRICADES

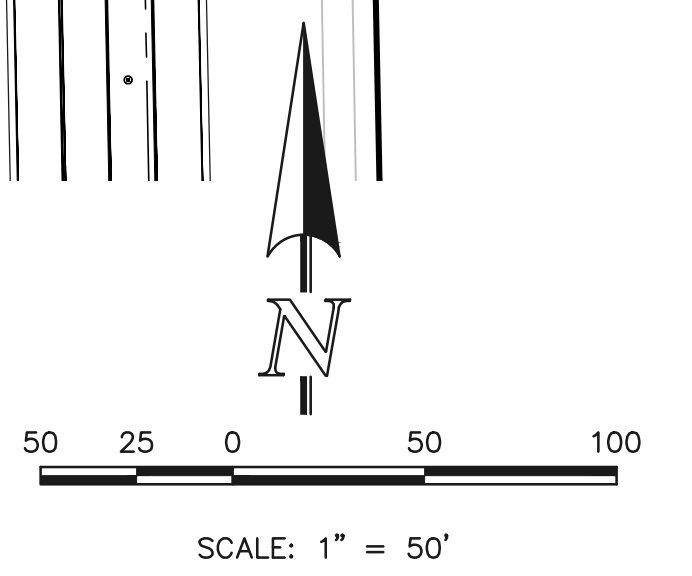
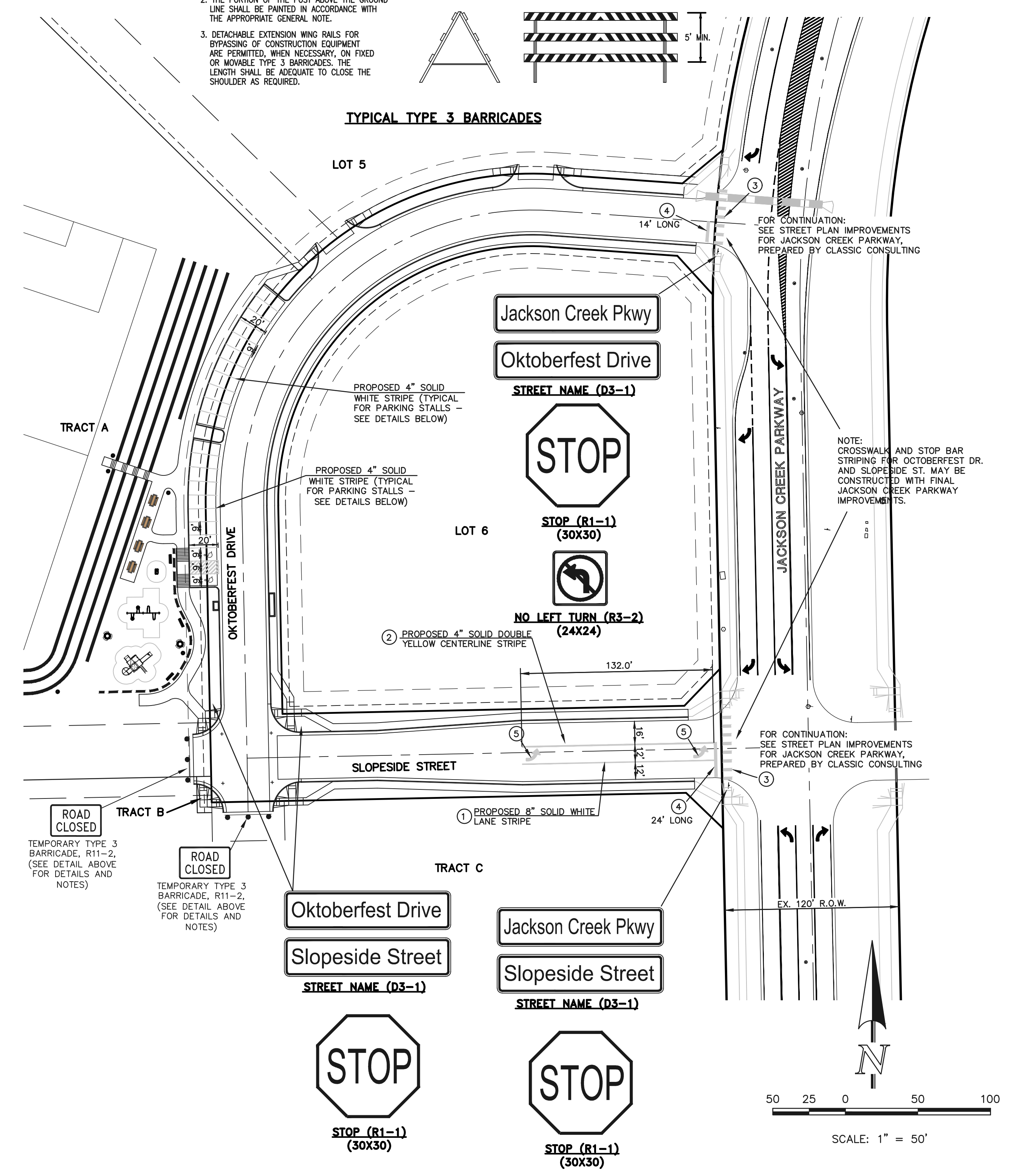
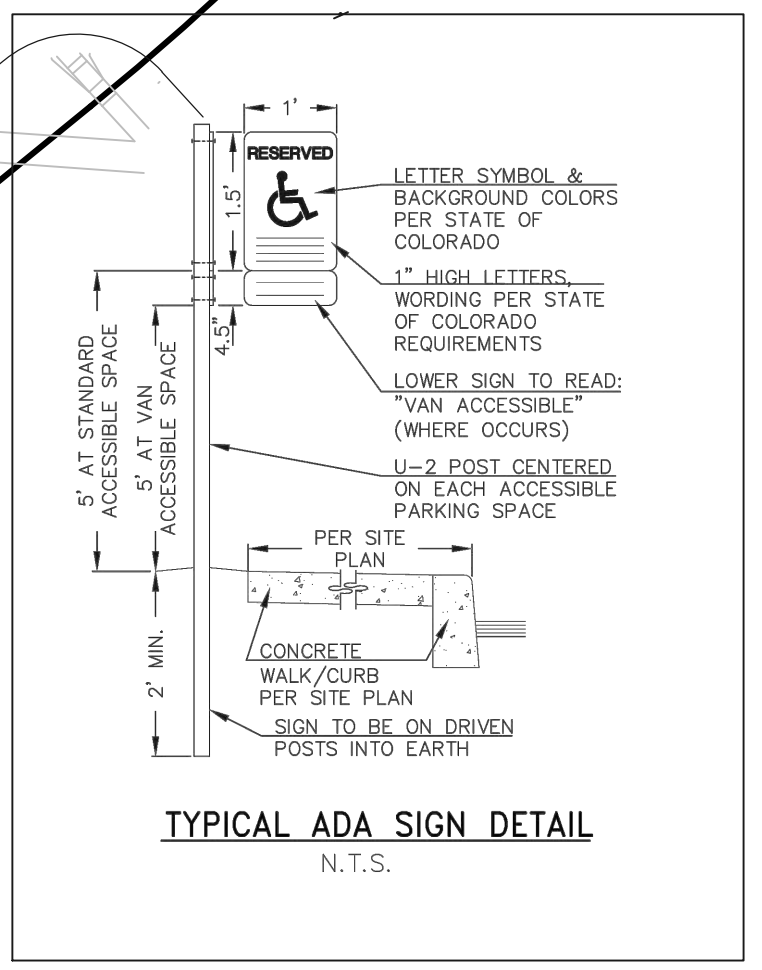
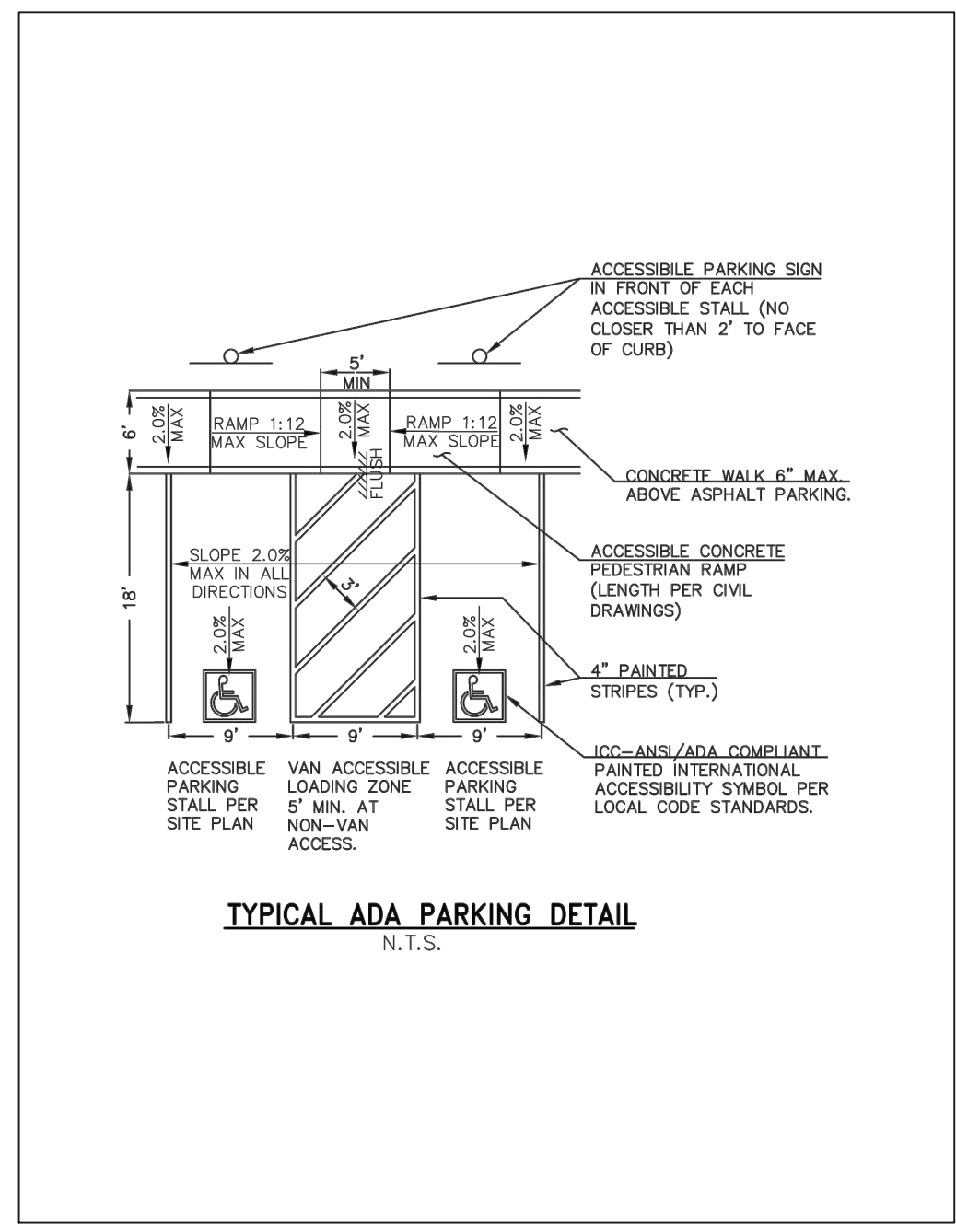
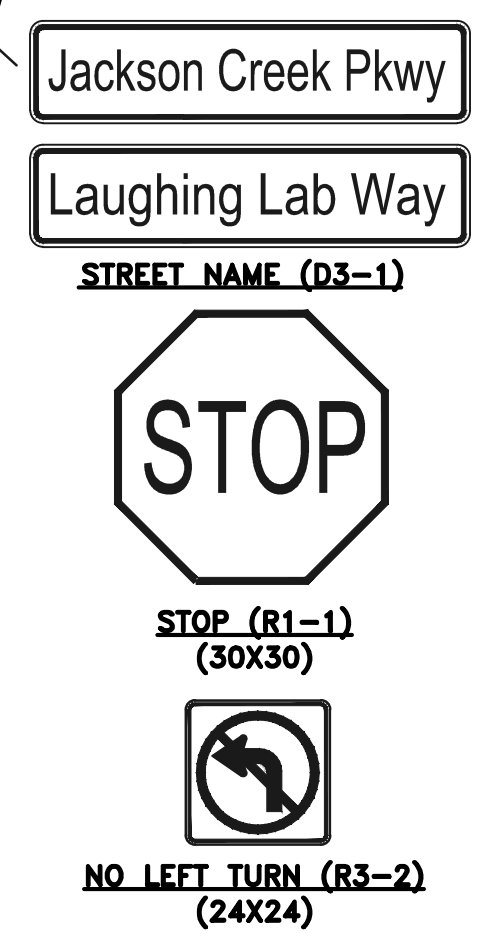


NOTE TO CONTRACTOR
 SIGNS AND POLES SHALL BE PER CDOT STANDARDS S-614-8, S-614-2, AND S-614-3, LATEST REVISION.
 ALL SIGNAGE INSTALLATION IS TO BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

STRIPING LEGEND

STRIPE O	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	LANE STRIPING	SOLID WHITE, 8" WIDE
2	CENTER STRIPING (EPOXY)	SOLID DOUBLE YELLOW, 4" WIDE, 3" GAP
3	CROSSWALK LINES (EPOXY)	SOLID WHITE, 24" WIDE, 6" LONG, 48" GAPS
4	STOP BAR (THERMO)	SOLID WHITE, 24" WIDE
5	ARROW MARKINGS (THERMO)	SOLID WHITE, 12" WIDE

*NOTE: ALL STRIPING INSTALLATION SHALL BE PER "TOWN OF MONUMENT" STANDARD DETAIL DT 33 AND COLORADO DEPARTMENT OF TRANSPORTATION "M&S STANDARDS" STANDARD PLAN NO. S-627-1.



NOTE:
 ALL INTERNAL STREET NAME SIGNS SHALL BE 4" FONT LETTER SIZE.
 6" FONT LETTER SIZE ON ALL STREETS POSTED 30MPH OR GREATER

48 HOURS BEFORE YOU DIG,
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NO.	REVISION	DATE
1	REVISED PER TOWN COMMENTS	6/23/22
2	REVISED PER TOWN COMMENTS	8-10-22

REVIEW:
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS, LLC

MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER #37155

8/12/2022 DATE

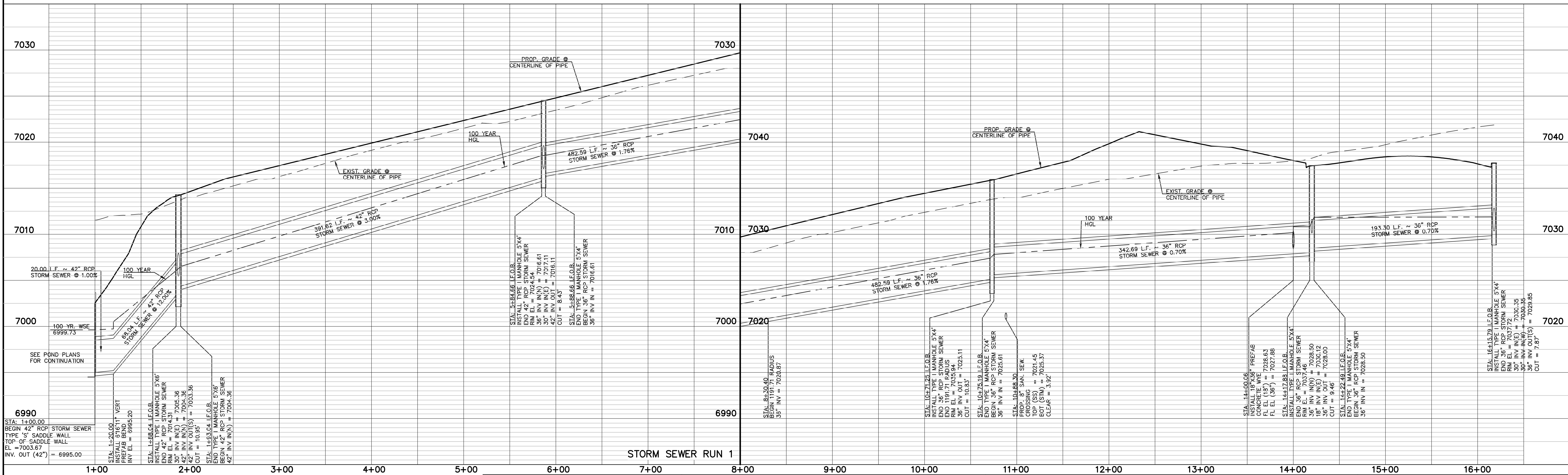
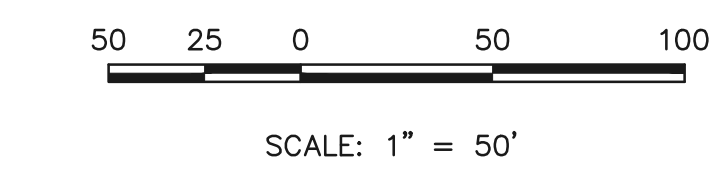
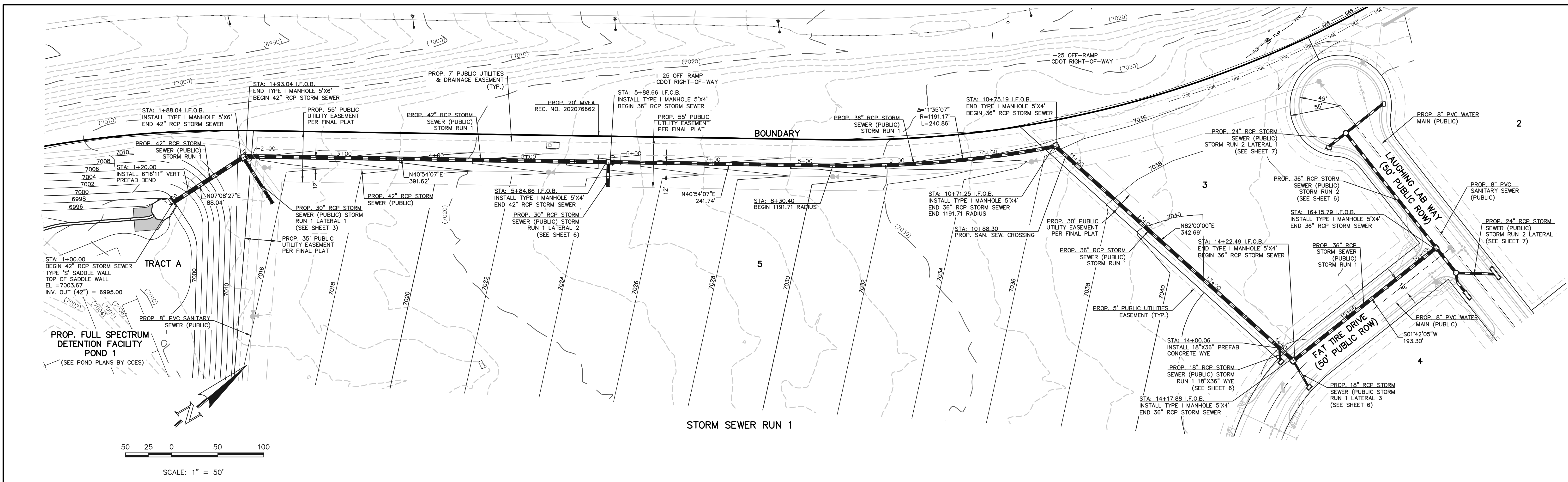
MONUMENT JUNCTION WEST FILING NO. 1
 PUBLIC STREET IMPROVEMENT PLANS
 SIGNAGE & STRIPING PLAN

DESIGNED BY	PRA	SCALE	DATE
03/30/22			

DRAWN BY	PRA	(H) 1" = 50'	SHEET 4 OF 13

CHECKED BY	(V) 1" = 5'	JOB NO.	1302.20

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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER
#37155

8/12/2022
DATE

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

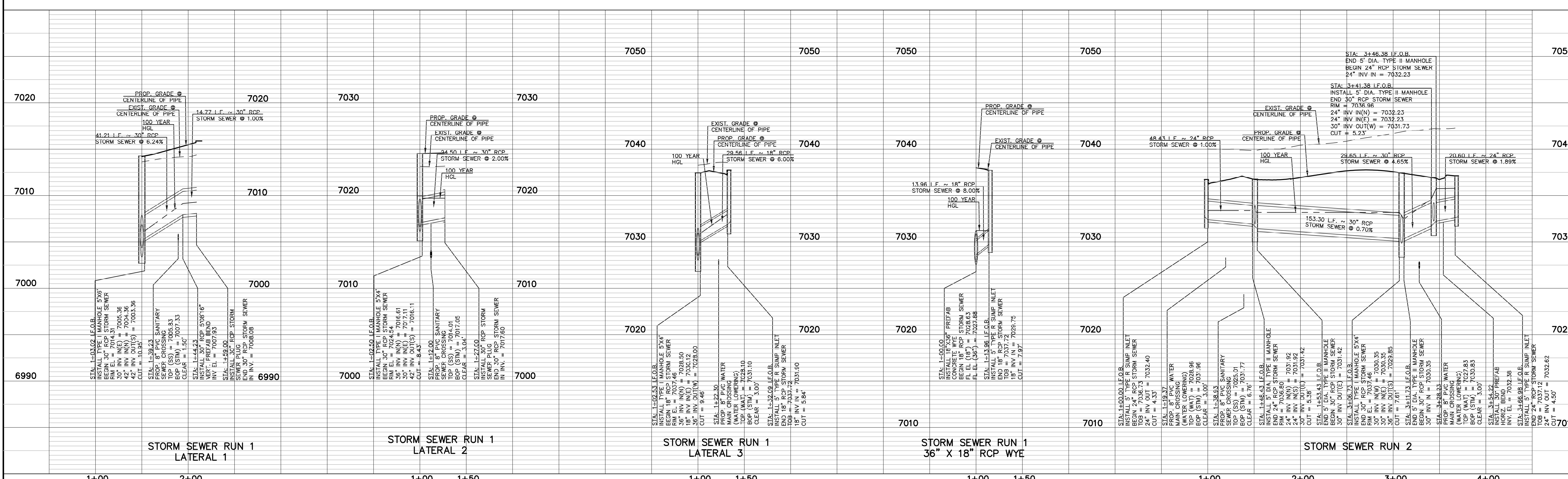
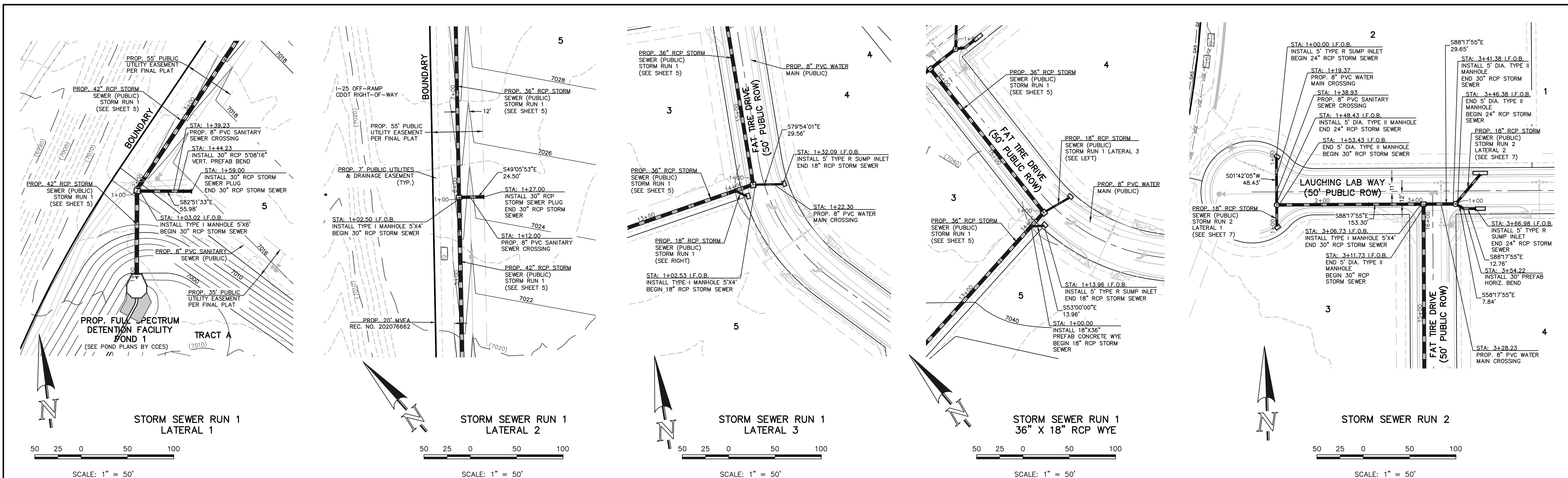
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

MONUMENT JUNCTION WEST FILING NO. 1
PUBLIC STORM SEWER SYSTEM PLANS
STORM SEWER RUN 1 PLAN AND PROFILE

DESIGNED BY	ESO	SCALE	DATE	05/09/2022
DRAWN BY	ESO	(H) 1" = 50'	SHEET	5 OF 13
CHECKED BY	(V) 1" = 5'	JOB NO.	1302.20	

N:\130220\DRAWINGS\CONSTRUCTION\STORM\05-130220-STW-01.dwg, 8/12/2022, 11:39:24 AM, 1:1



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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO LICENSE #37155

8/12/2022
DATE

CLASSIC
CONSULTING
ENGINEERS & SURVEYORS

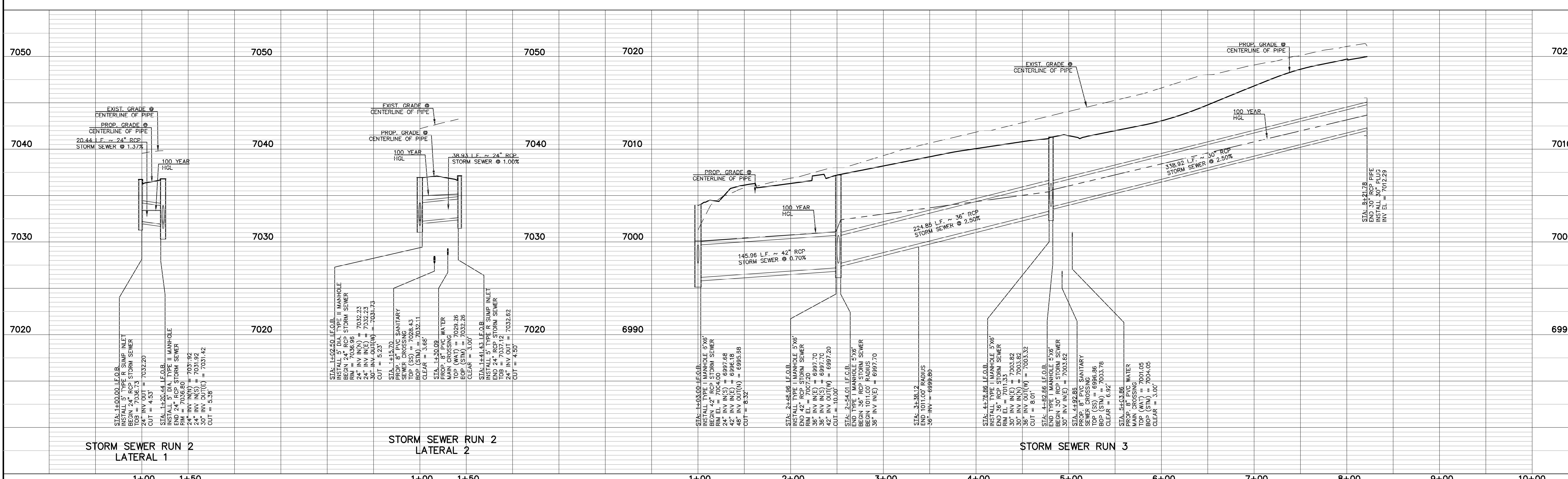
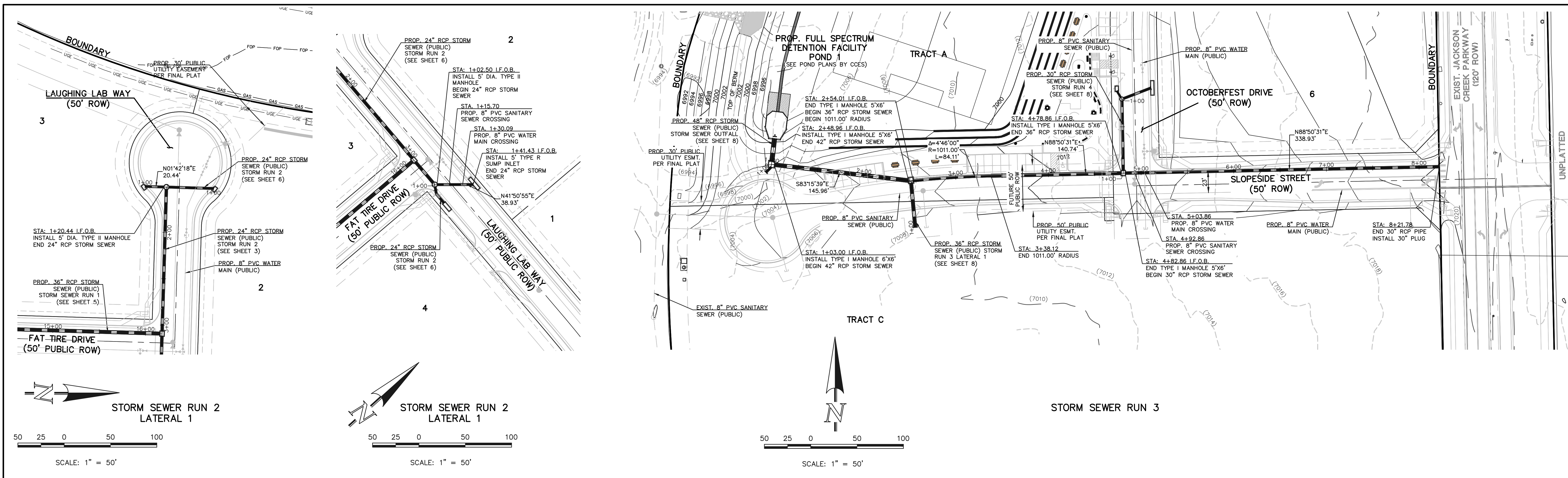
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

MONUMENT JUNCTION WEST FILING NO. 1
PUBLIC STORM SEWER SYSTEM PLANS
STORM SEWER RUN 1-LAT-2, & LAT-3
STORM SEWER RUN 2 PLAN AND PROFILE

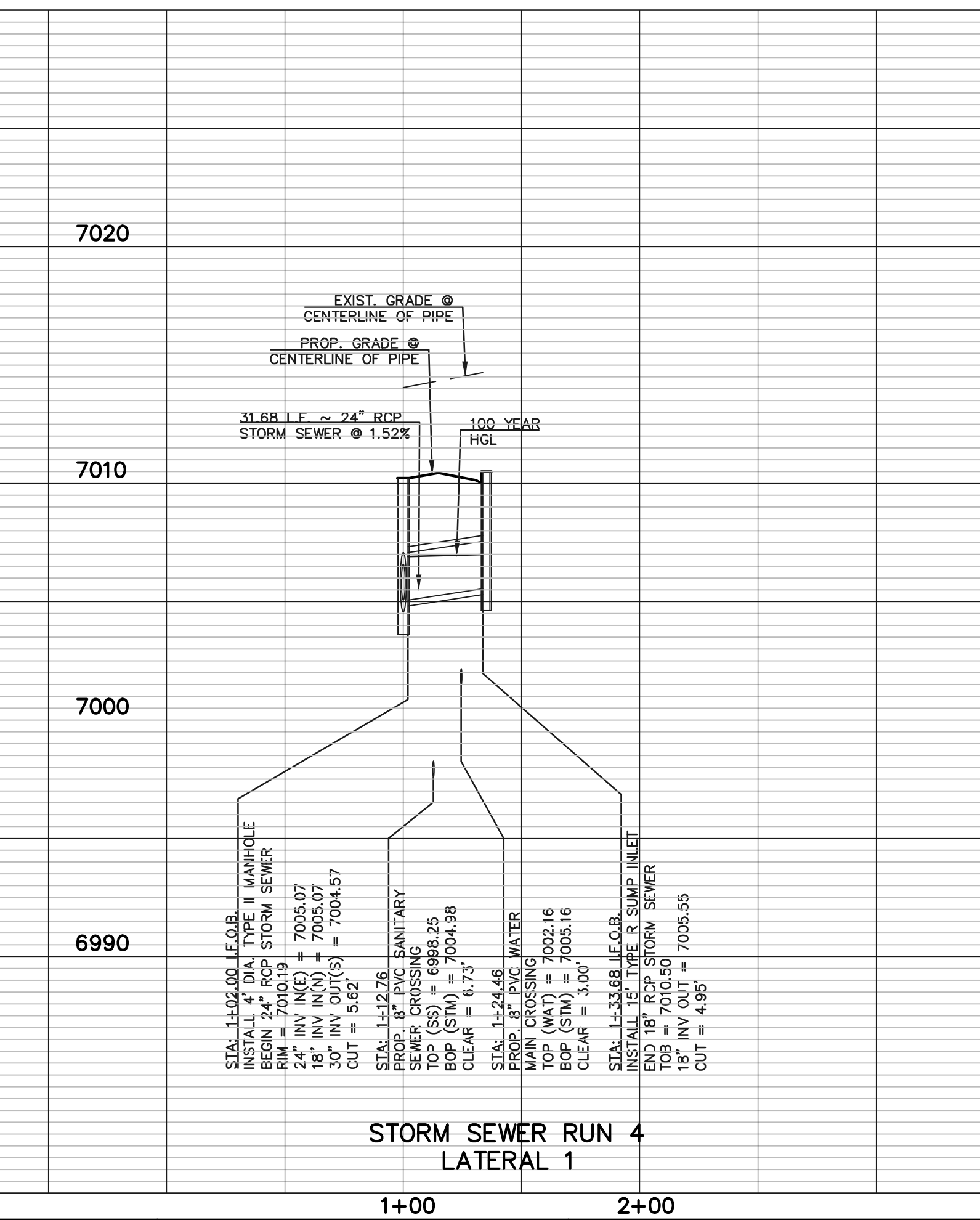
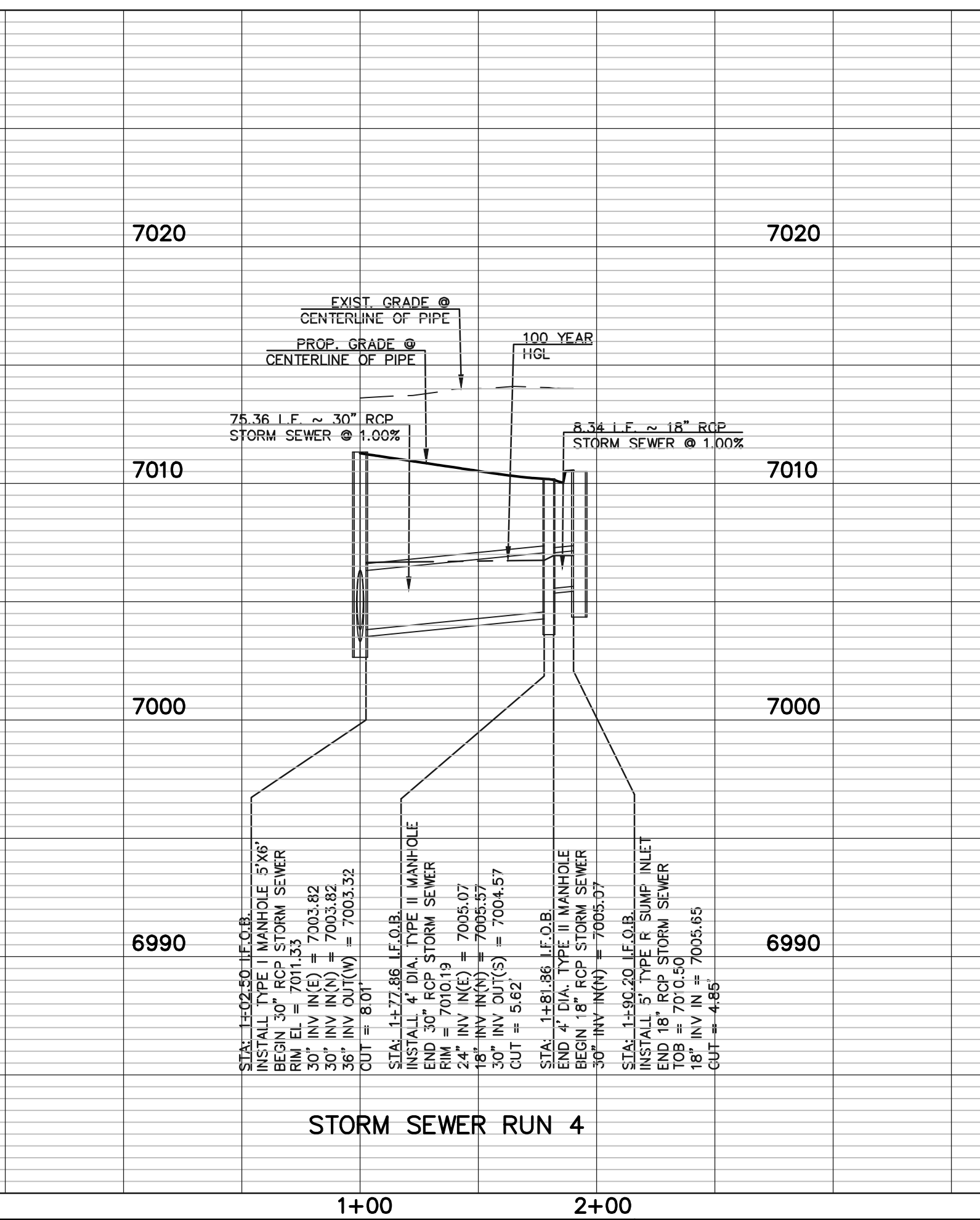
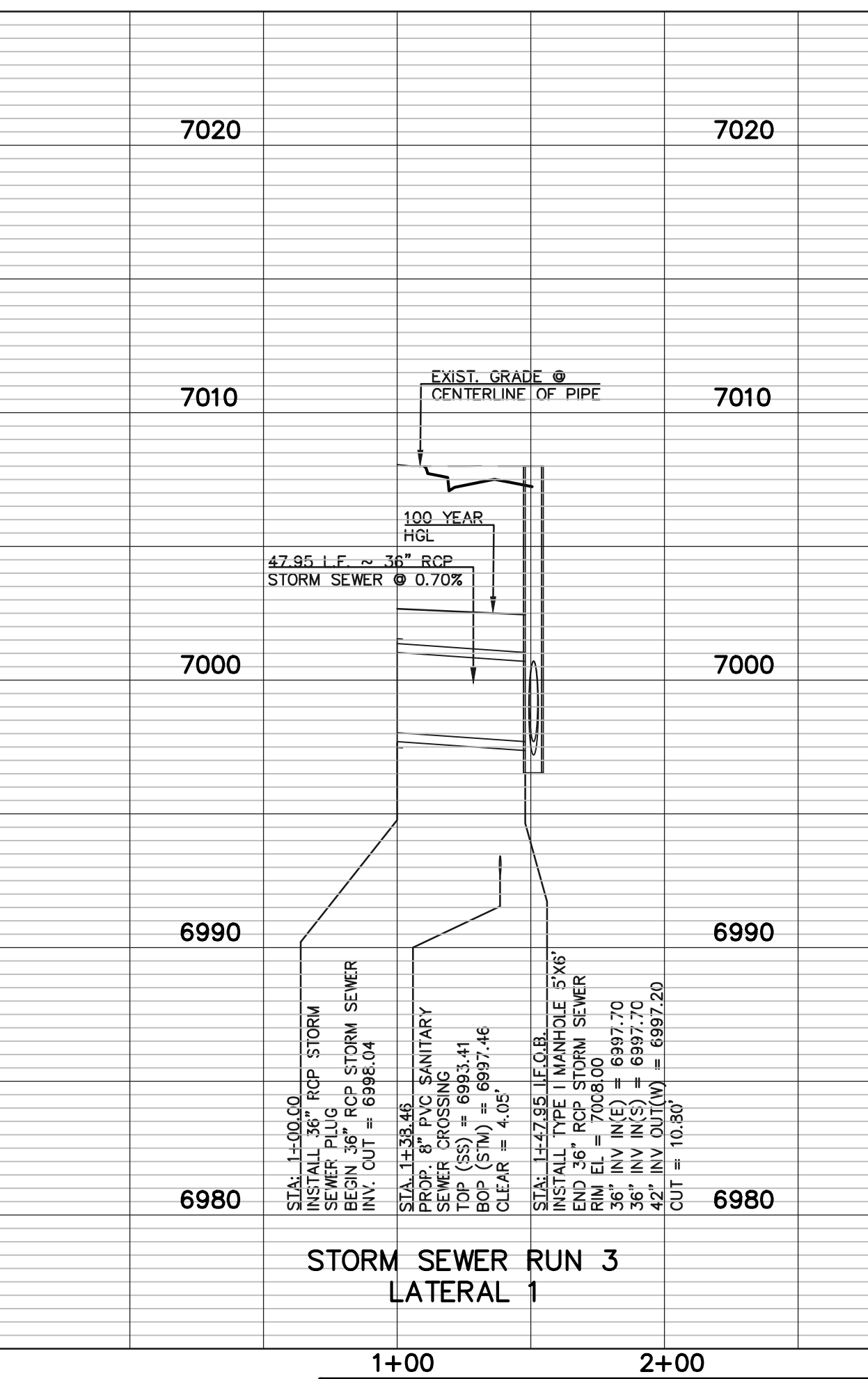
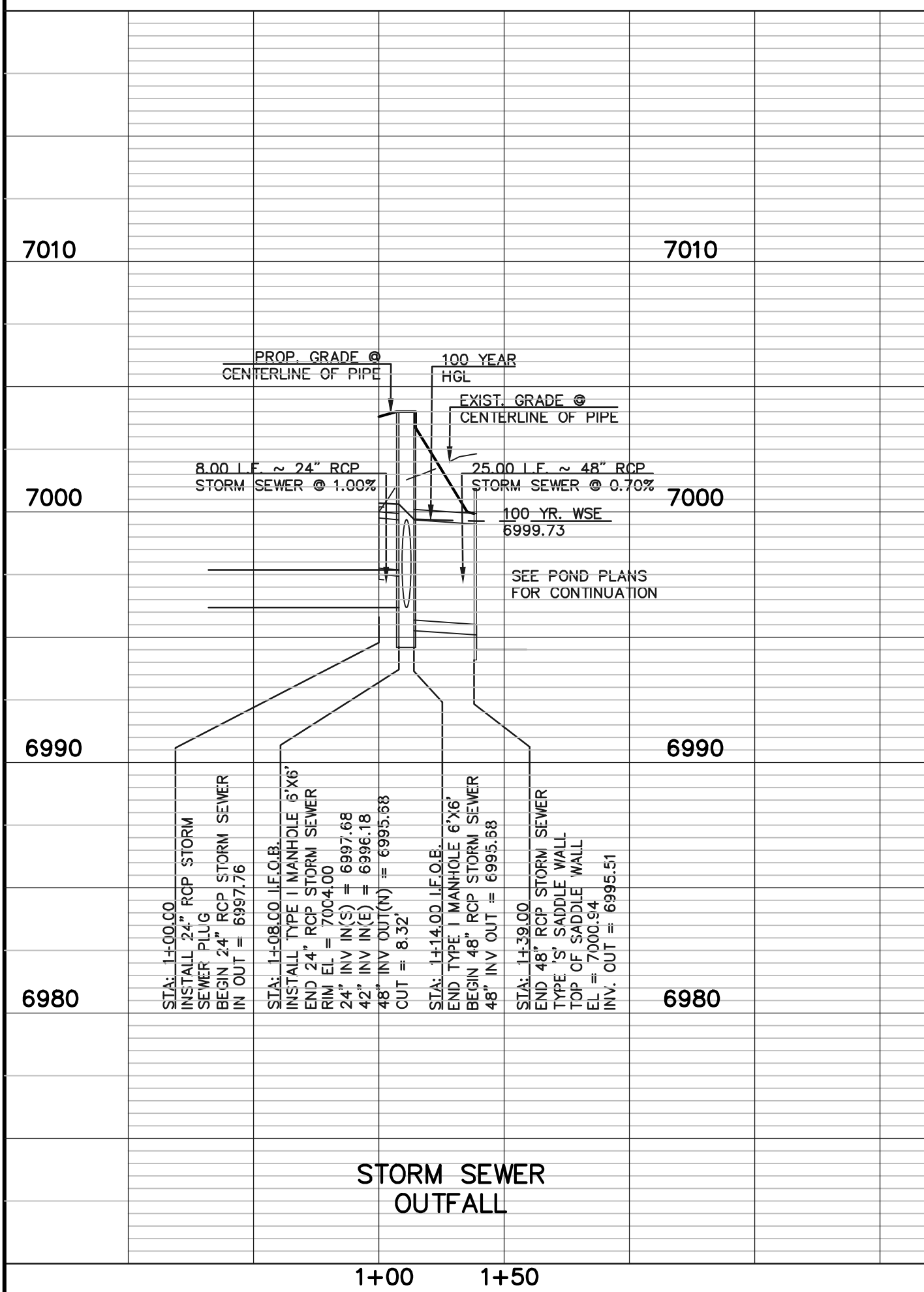
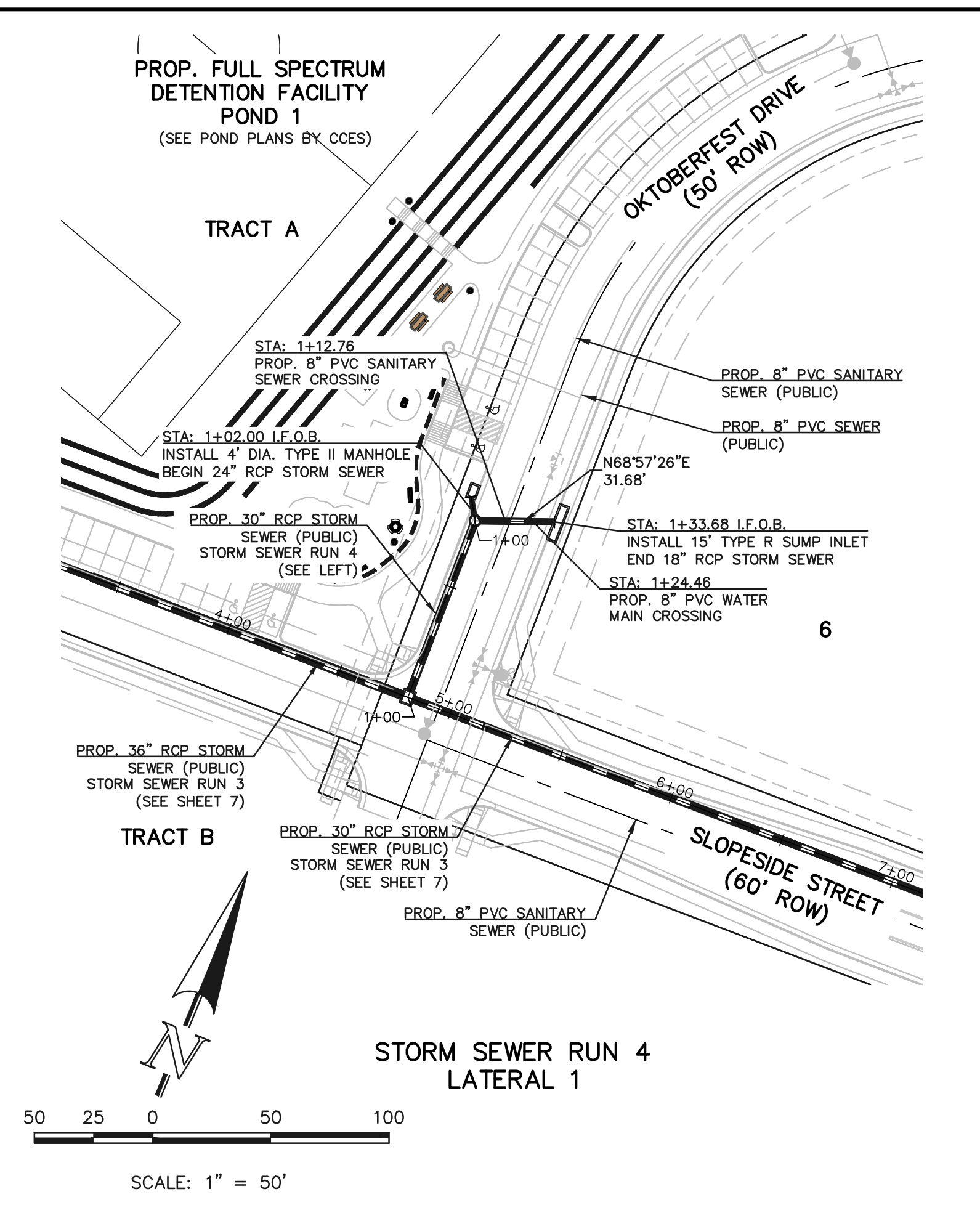
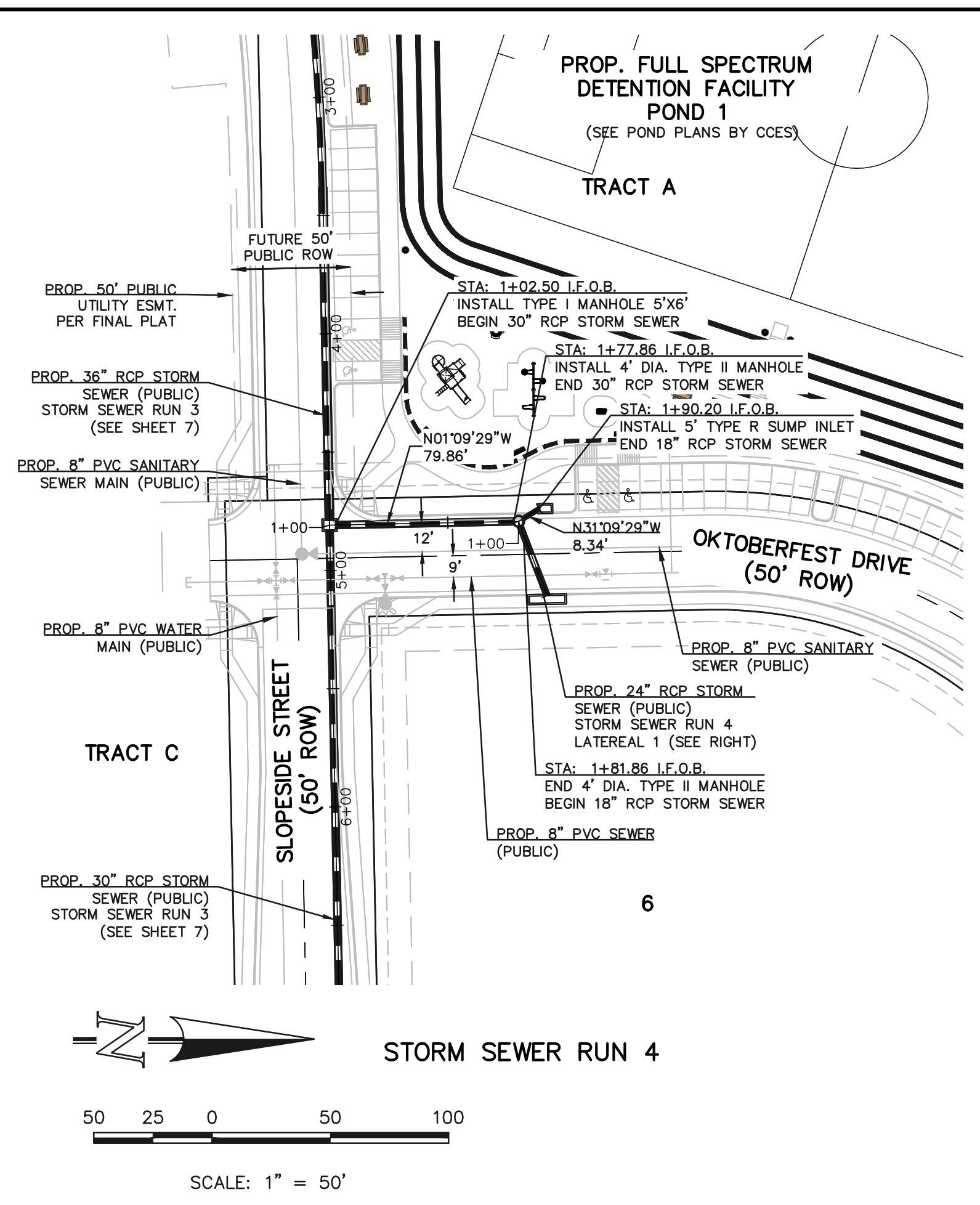
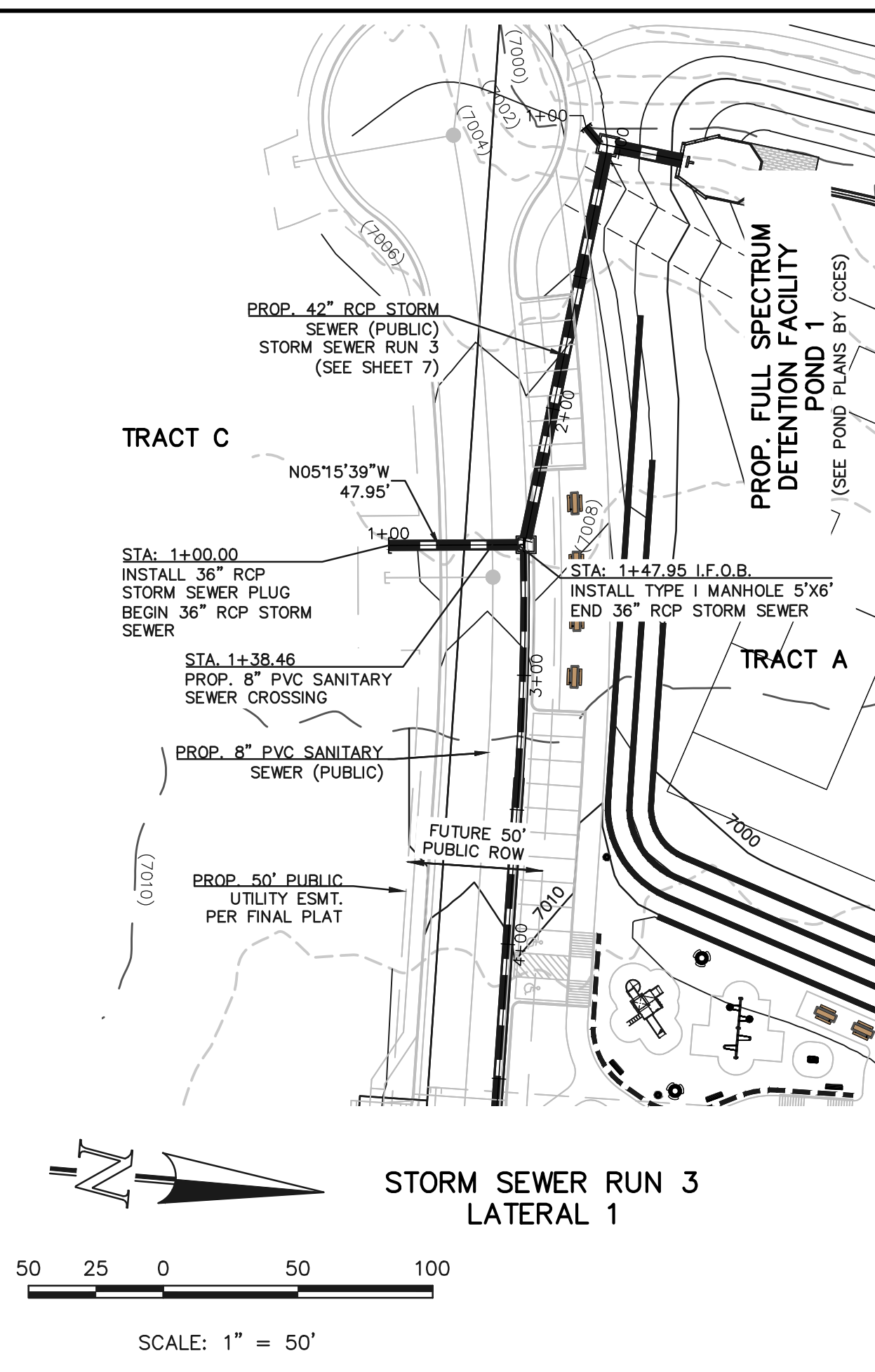
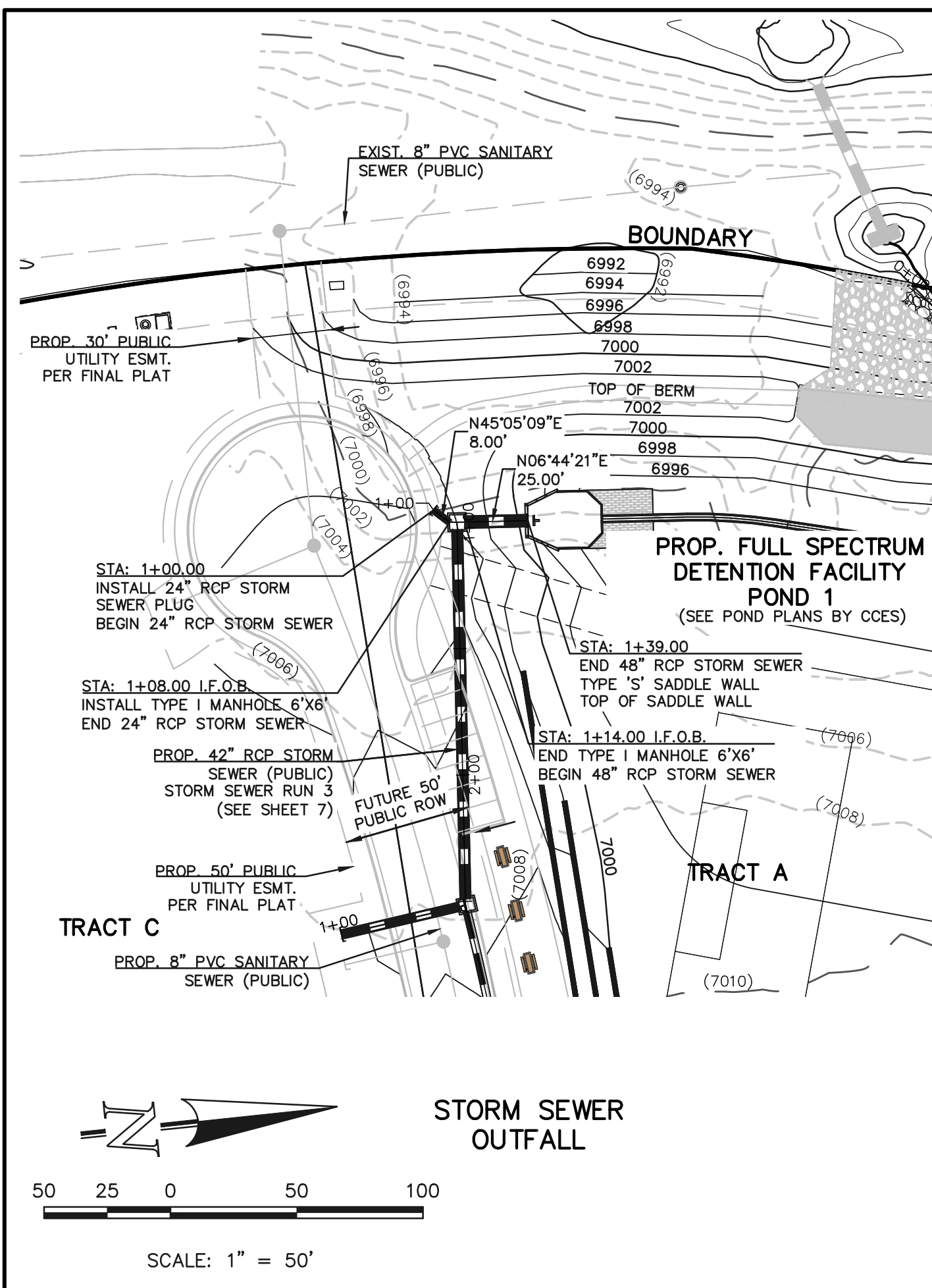
DESIGNED BY	ESO	SCALE	DATE	05/09/2022
DRAWN BY	ESO	(H) 1" = 50'	SHEET	6 OF 13
CHECKED BY	(V) 1" = 5'	JOB NO.	1302.20	

N:\130220\DRAWINGS\CONSTRUCTION\STORMA06-130220-STA-02.dwg, 8/12/2022, 11:46:20 AM, 1:1



<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO. REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	NO. REVISION	DATE			<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, P.E. #37155</p>	<p>8/12/2022</p> <p>DATE</p>	<p>CLASSIC CONSULTING ENGINEERS & SURVEYORS</p>	<p>MONUMENT JUNCTION WEST FILING NO. 1 PUBLIC STORM SEWER SYSTEM PLANS STORM SEWER RUN 2-LAT 1 & LAT-2, STORM SEWER RUN 3 PLAN AND PROFILE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td>ESO</td> <td>SCALE</td> <td>DATE</td> </tr> <tr> <td>DRAWN BY</td> <td>ESO</td> <td>(H) 1" = 50'</td> <td>SHEET 7 OF 13</td> </tr> <tr> <td>CHECKED BY</td> <td>(V) 1" = 5'</td> <td>JOB NO.</td> <td>1302.20</td> </tr> </table>	DESIGNED BY	ESO	SCALE	DATE	DRAWN BY	ESO	(H) 1" = 50'	SHEET 7 OF 13	CHECKED BY	(V) 1" = 5'	JOB NO.	1302.20
NO. REVISION	DATE																				
DESIGNED BY	ESO	SCALE	DATE																		
DRAWN BY	ESO	(H) 1" = 50'	SHEET 7 OF 13																		
CHECKED BY	(V) 1" = 5'	JOB NO.	1302.20																		

N:\130220\DRAWINGS\CONSTRUCTION\STORMA07-130220-STM-03.dwg, 8/12/2022, 11:51:14 AM, 1:1



48 HOURS BEFORE YOU DIG,
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MARC A. WHORTON, COLORADO PROFESSIONAL ENGINEER #37155

8/12/2022 DATE

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

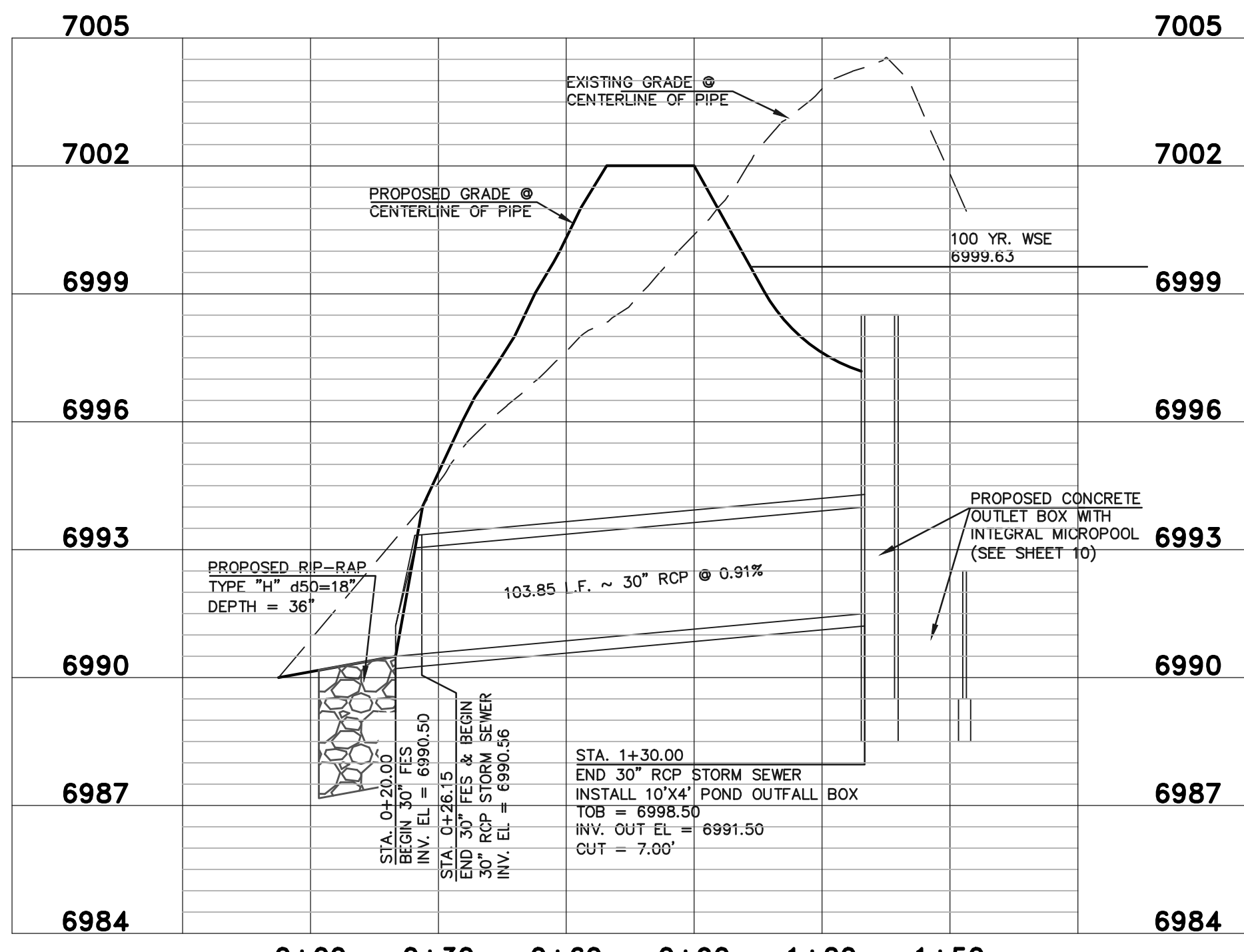
(719) 785-0790
(719) 785-0799 (Fax)

MONUMENT JUNCTION WEST FILING NO. 1
PUBLIC STORM SEWER SYSTEM PLANS
STORM SEWER RUN 3 LAT 1, SYSTEM OUTFALL
STORM SEWER RUN 4 & LAT 1 PLAN AND PROFILE

DESIGNED BY ESO SCALE DATE 05/09/2022
DRAWN BY ESO (H) 1" = 50' SHEET 8 OF 13
CHECKED BY (V) 1" = 5' JOB NO. 1302.20

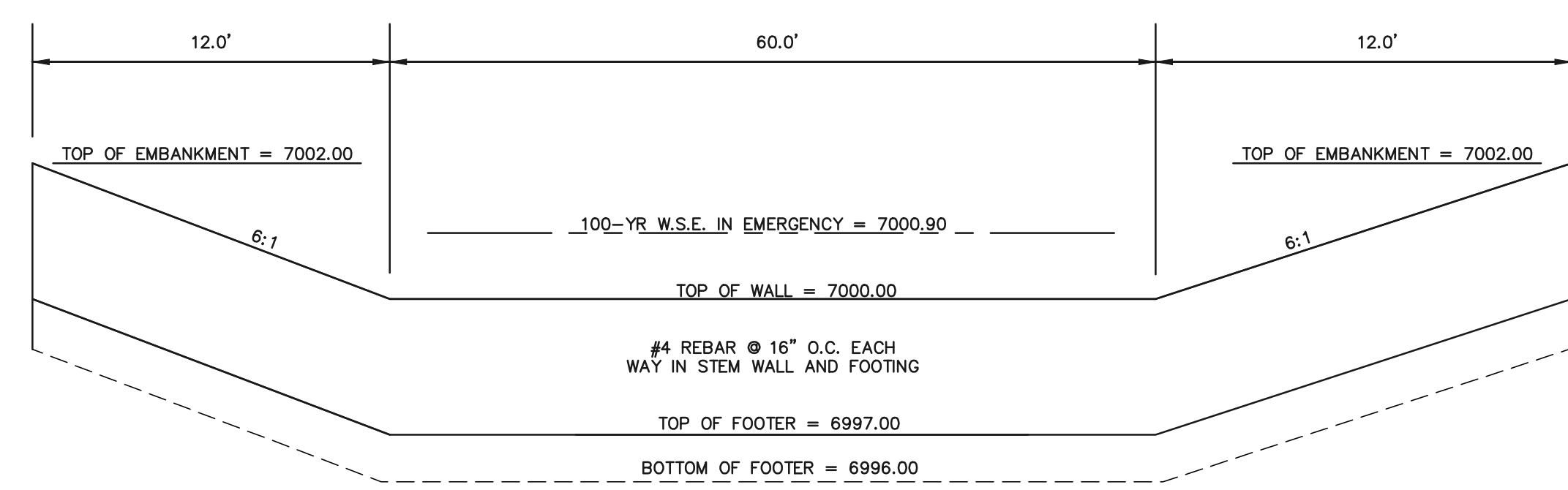


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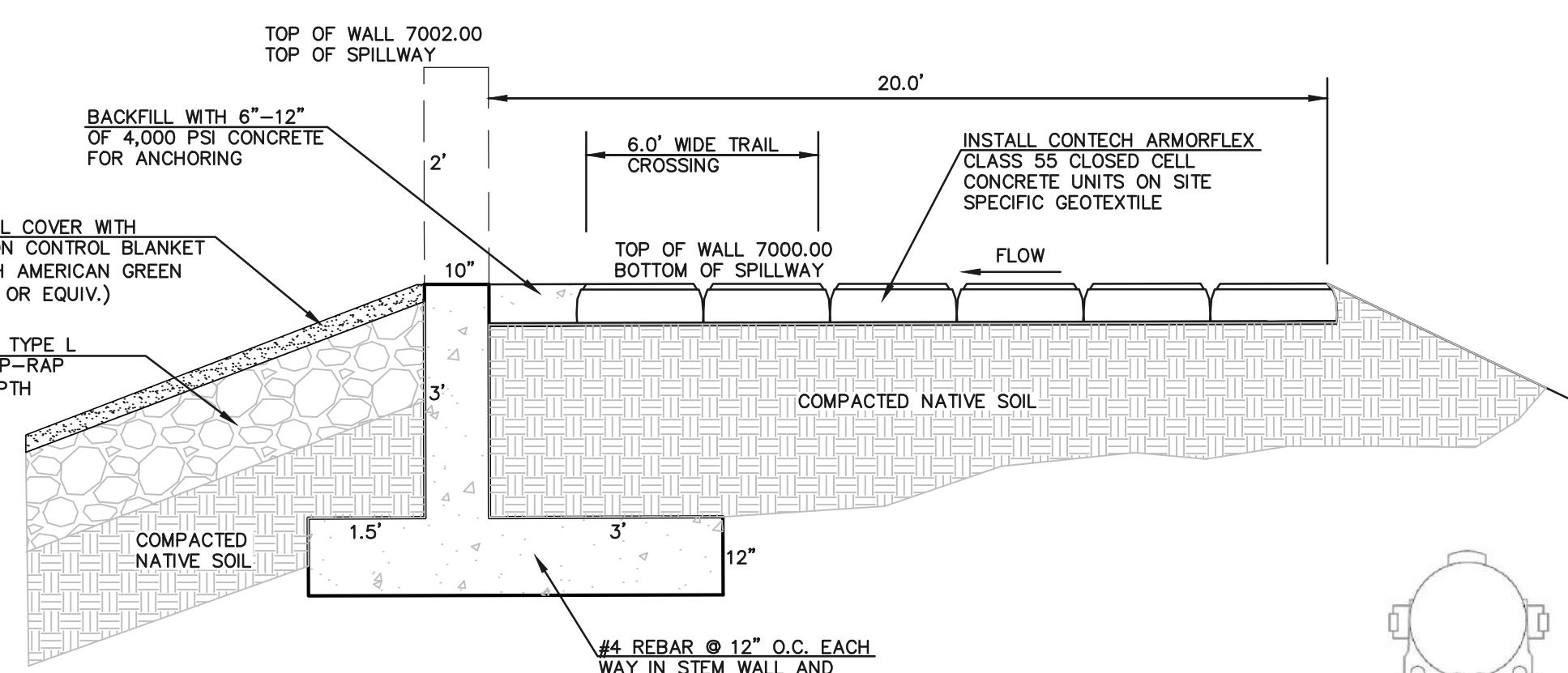


PARK/POND FACILITY NO. 1 ~ 30" RCP OUTFALL PROFILE

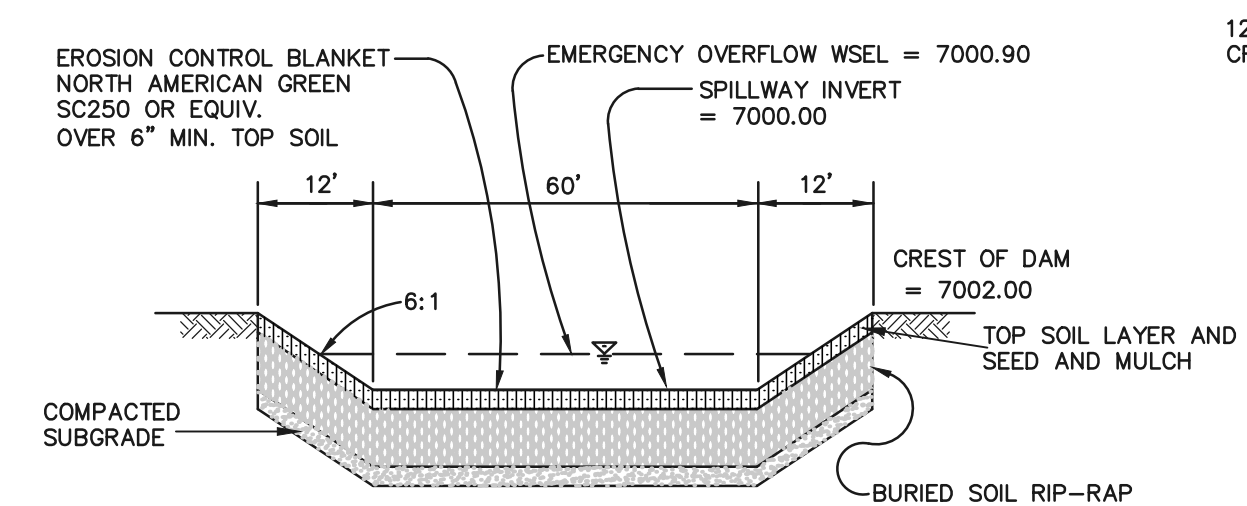
SCALE: HORIZONTAL 1"=30'
VERTICAL 1"=3'



CONCRETE OVERFLOW WALL

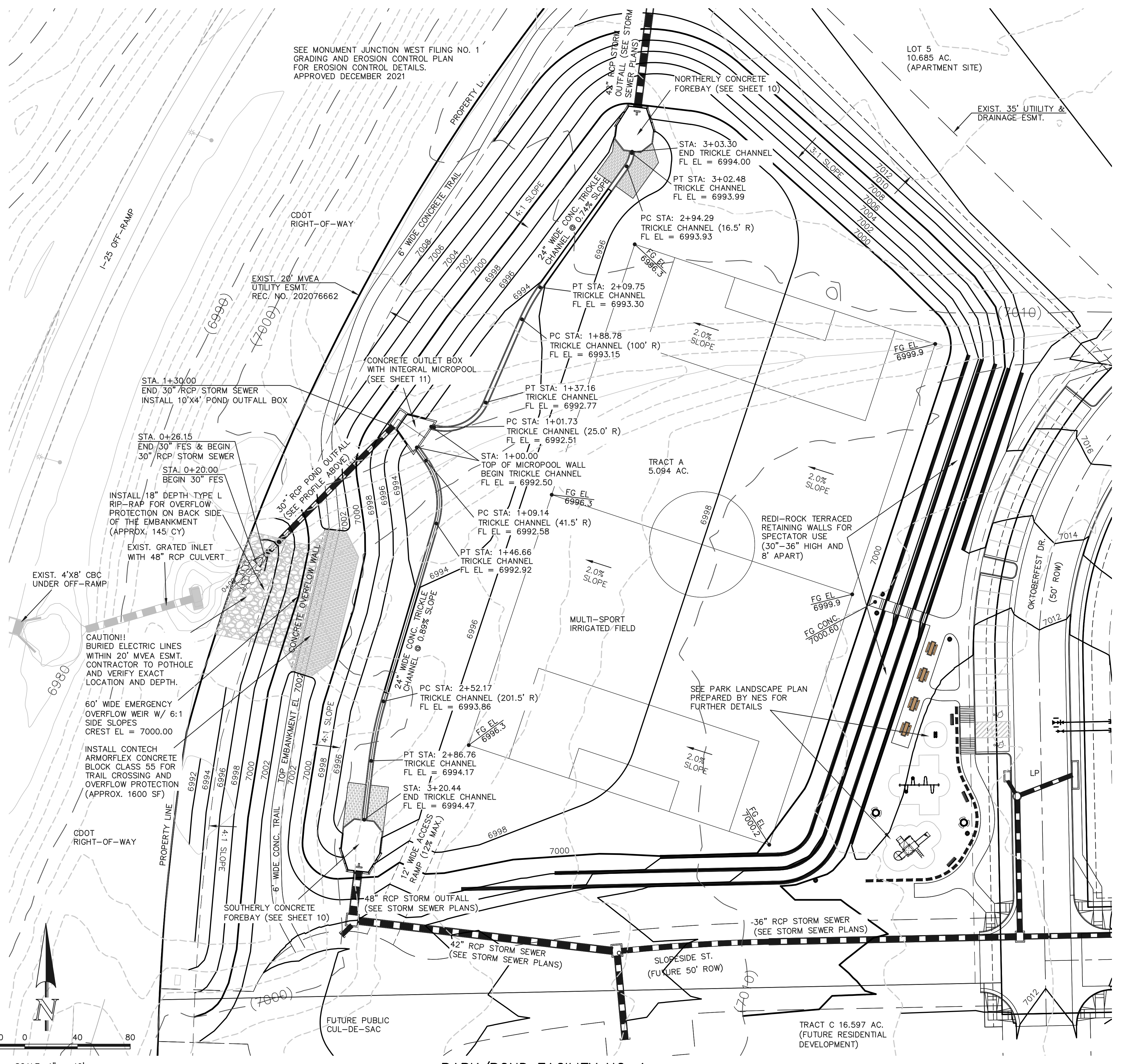


EMERGENCY SPILLWAY



EMERGENCY SPILLWAY CROSS SECTION

100 YEAR WATER SURFACE = 6999.63
(PONDING PER UD-DETENTION)
EMERGENCY SPILLWAY WILL CARRY THE FULL 100 YEAR EVENT 173 CFS WITH 1' FLOW DEPTH.



PARK/POND FACILITY NO. 1

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REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER #37155

8/12/2022 DATE

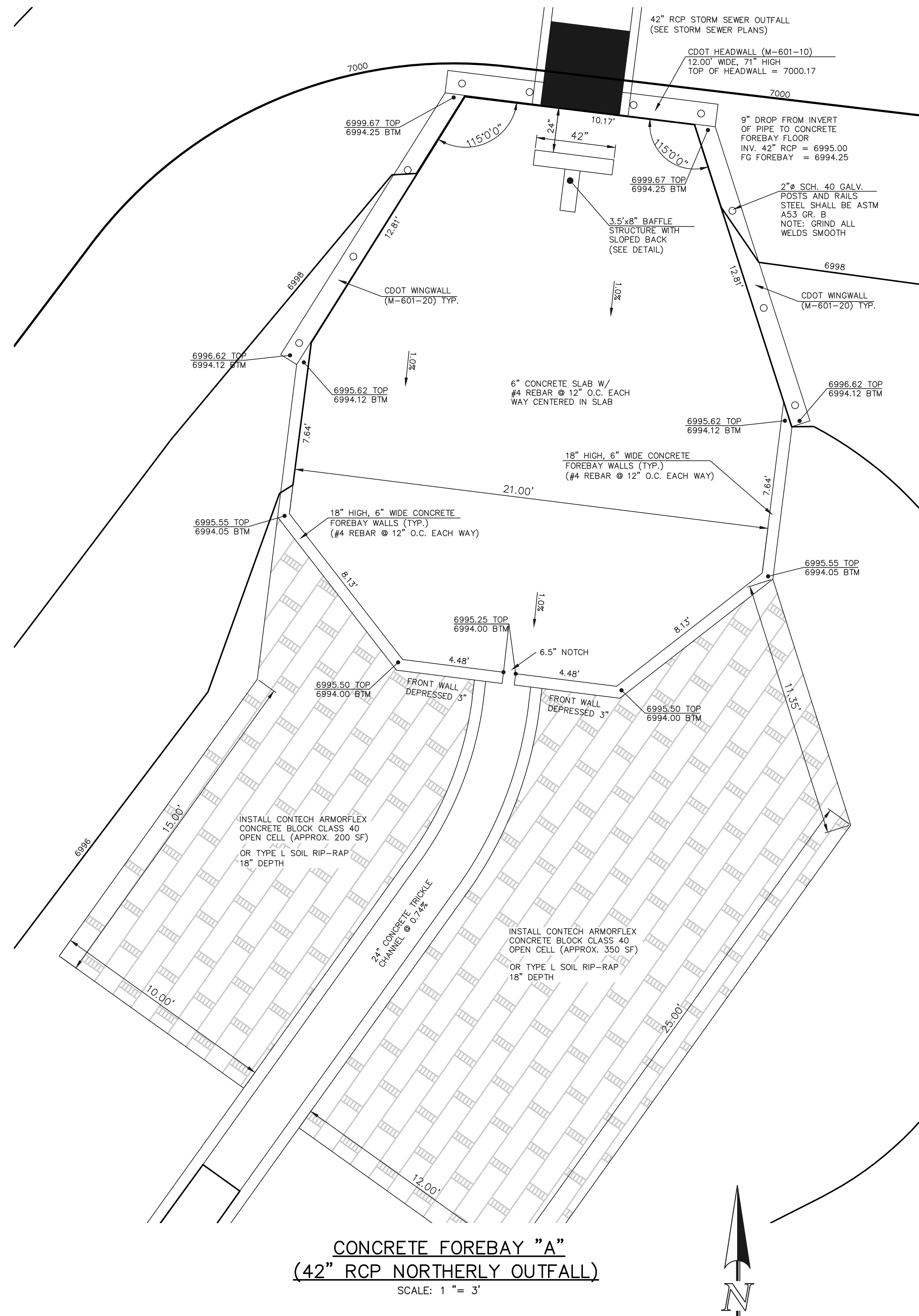
CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

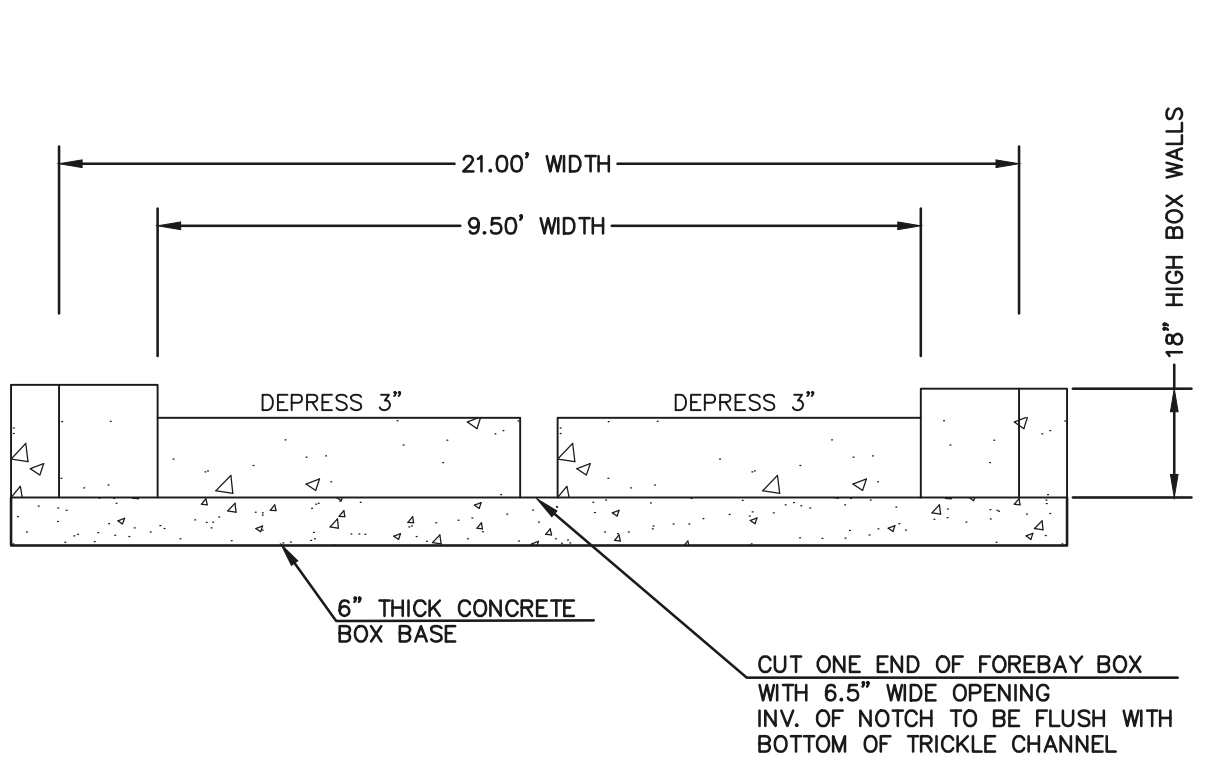
(719) 785-0790
(719) 785-0799 (Fax)

MONUMENT JUNCTION WEST FILING NO. 1			
CONSTRUCTION DRAWINGS			
PARK/POND FACILITY NO. 1			
PARK/POND PLAN			
DESIGNED BY	MAW	SCALE	DATE 06/23/22
DRAWN BY	LDB	(H) 1"= 30'	SHEET 9 OF 13
CHECKED BY	(V)	1"= N/A	JOB NO. 1302.20

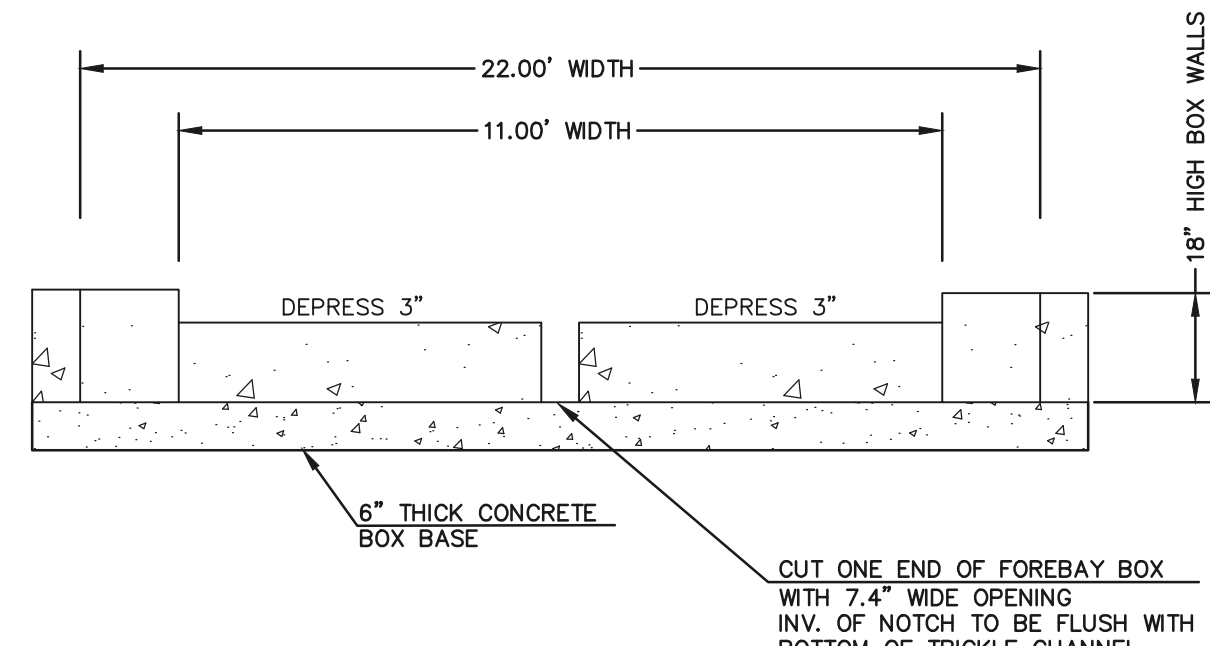
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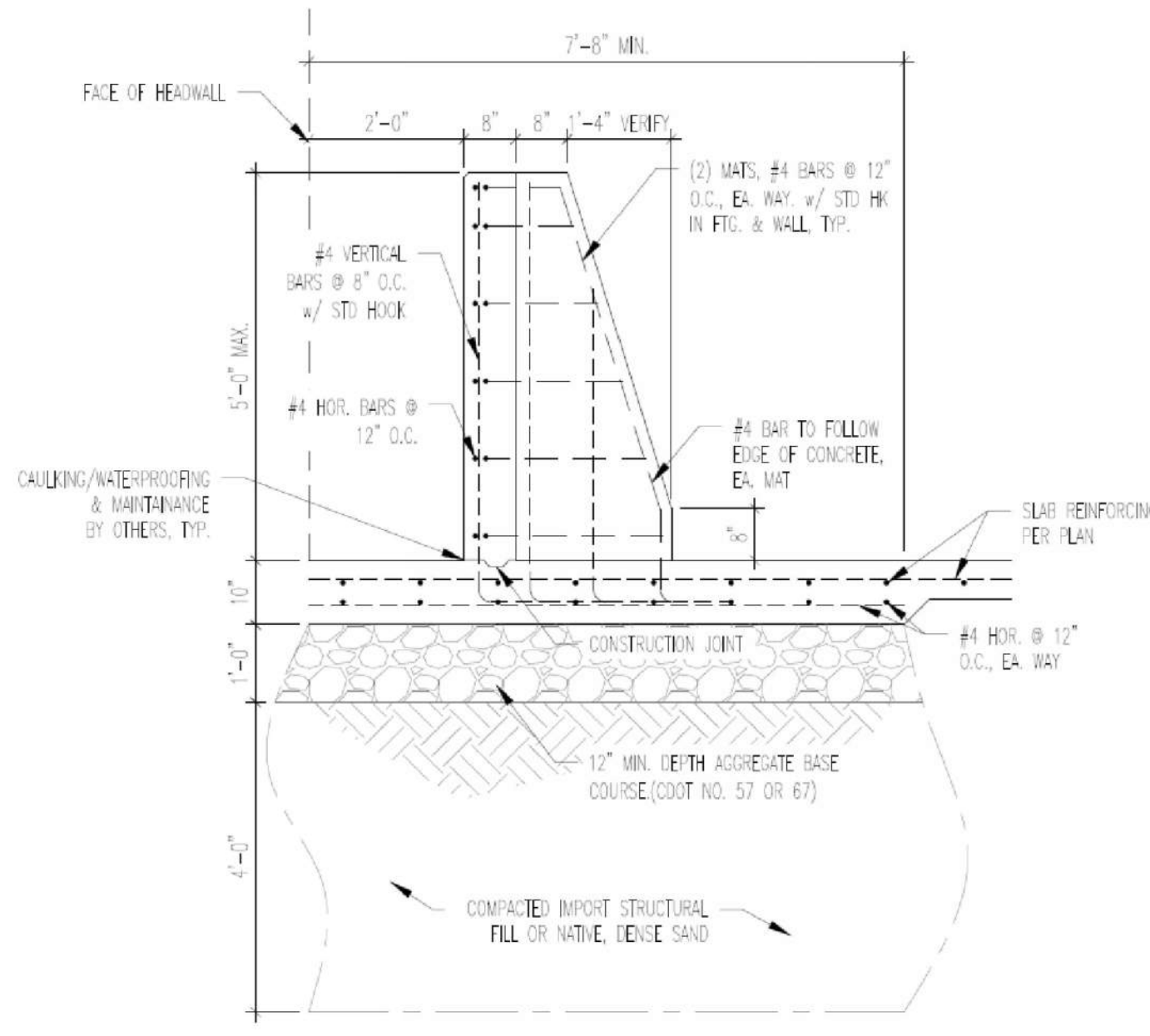
CONCRETE FOREBAY "A"
(42" RCP NORTHERLY OUTFALL)
SCALE: 1" = 3'



CONCRETE FOREBAY "A" NOTCH
N.T.S.

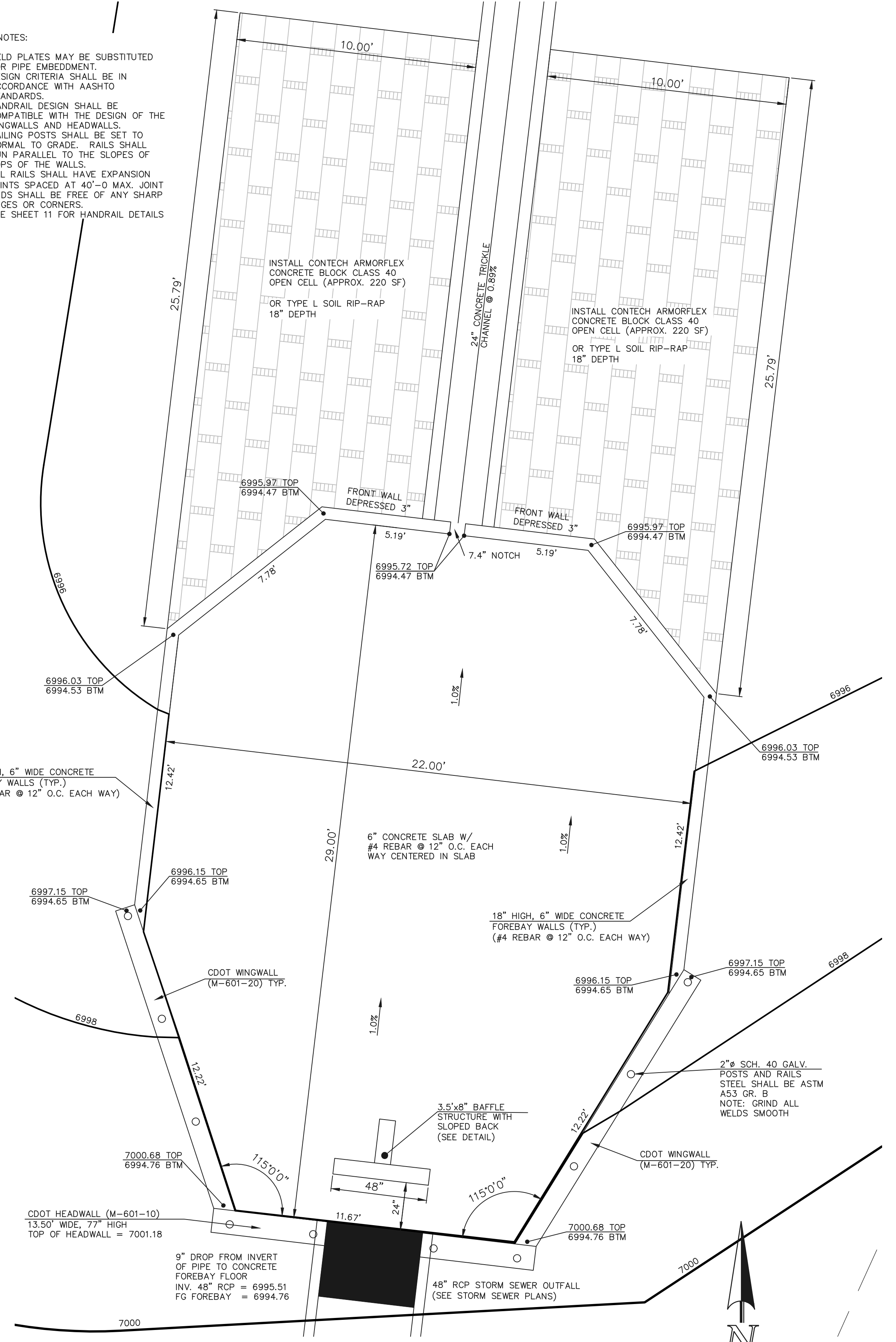


CONCRETE FOREBAY "B" NOTCH
N.T.S.

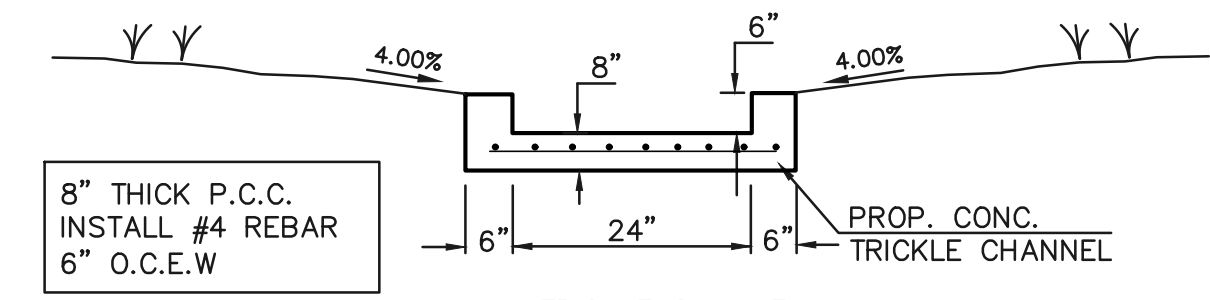


1 BAFFLE STRUCTURE
SCALE: 3/8" = 1'-0"

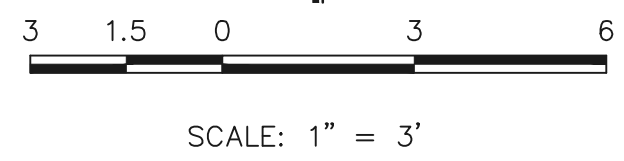
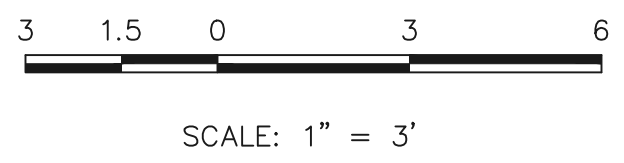
- HANDRAIL NOTES:
1. WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT. DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
 2. HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
 3. RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
 4. ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.
 5. SEE SHEET 11 FOR HANDRAIL DETAILS



CONCRETE FOREBAY "B"
(48" RCP SOUTHERLY OUTFALL)
SCALE: 1" = 3'



- NOTES:**
- POND BOTTOM TO SLOPE TOWARD TRICKLE CHANNEL AT 4% MAX. AND 1% MIN.
 - GEOTECH, TO RECOMMEND ANY REQUIRED BASE COURSE BELOW TRICKLE CHANNEL.



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MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER #37155

8/12/2022
DATE

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

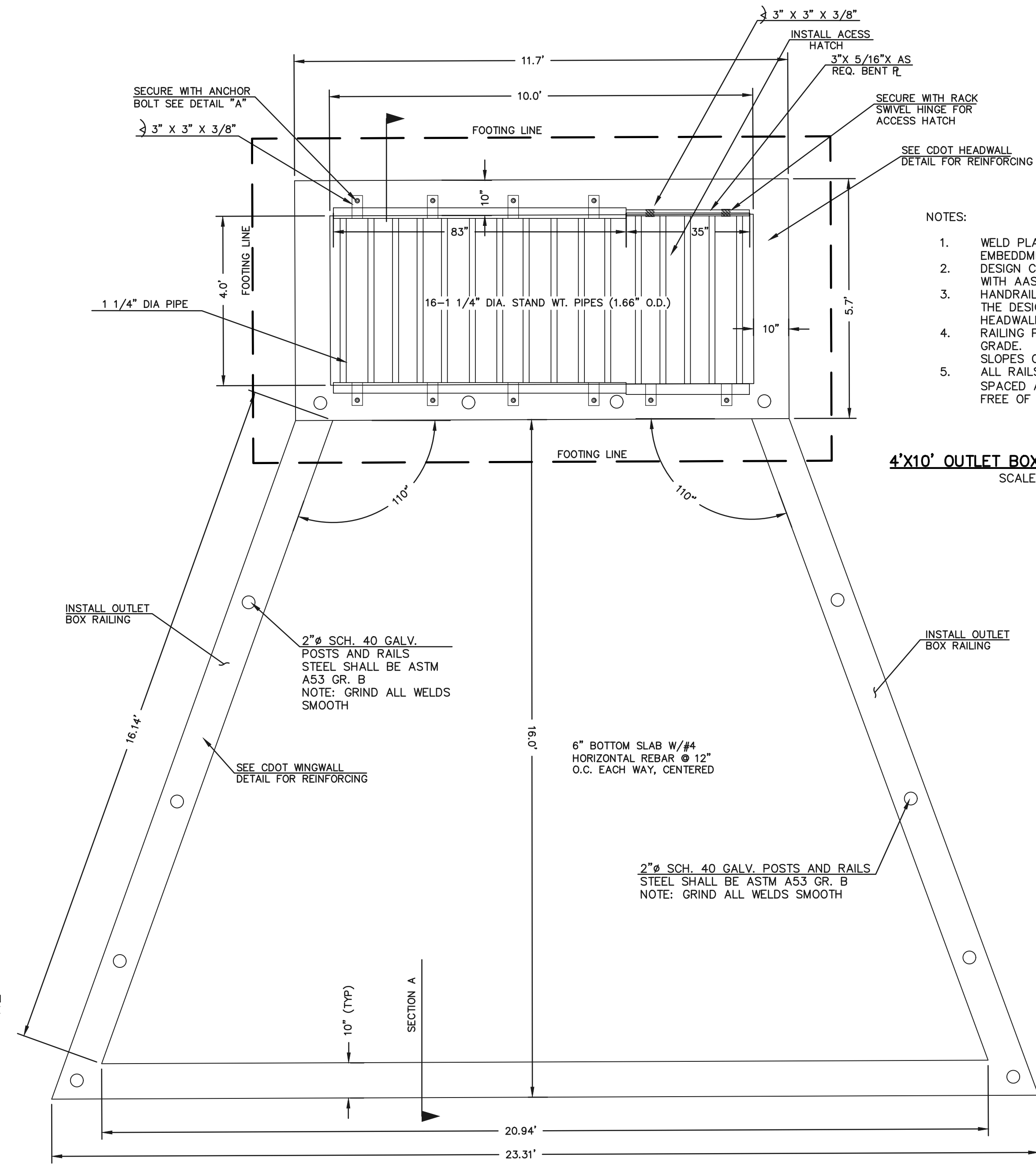
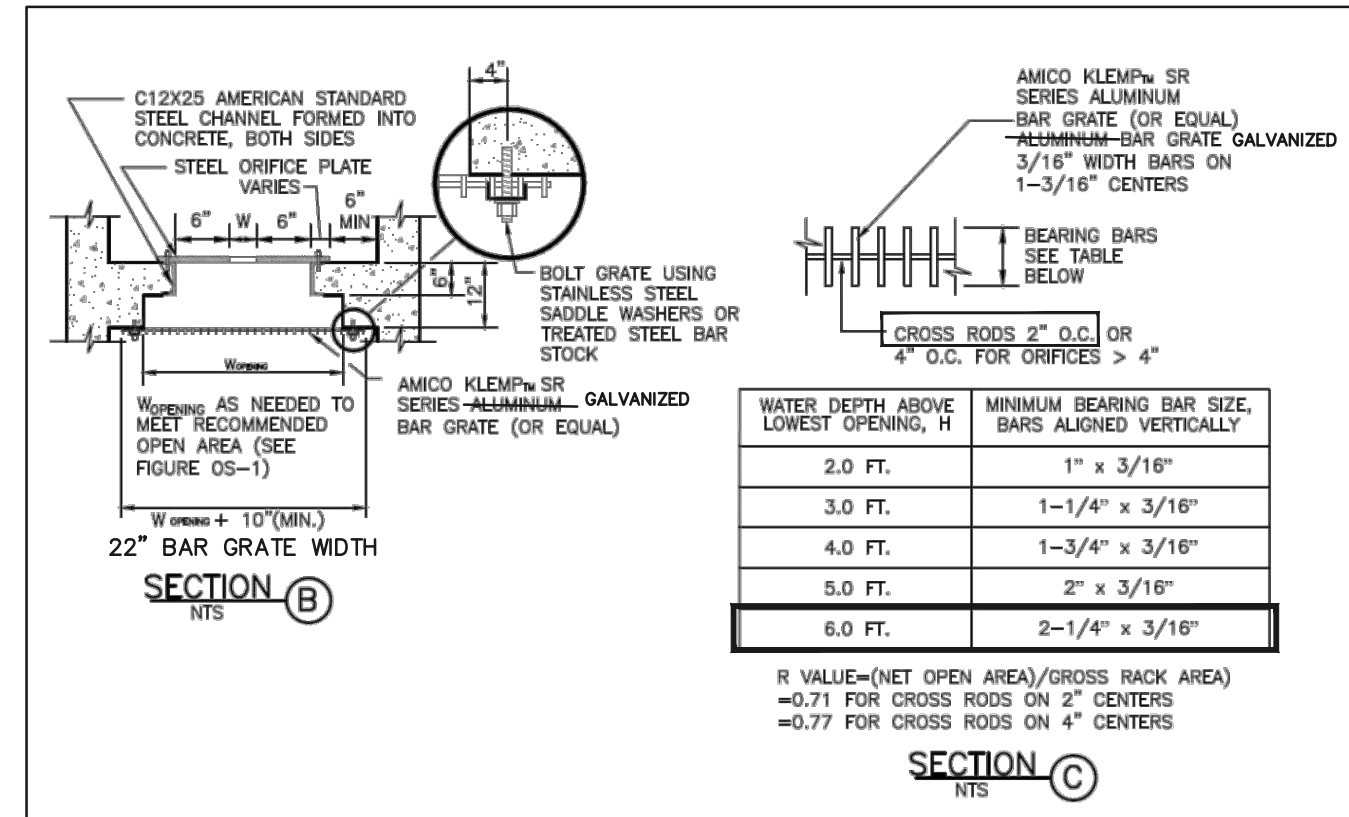
(719) 785-0790
(719) 785-0799 (Fax)

MONUMENT JUNCTION WEST FILING NO. 1
DRAINAGE IMPROVEMENT PLANS
DETENTION FACILITY NO. 1
FOREBAY DESIGN

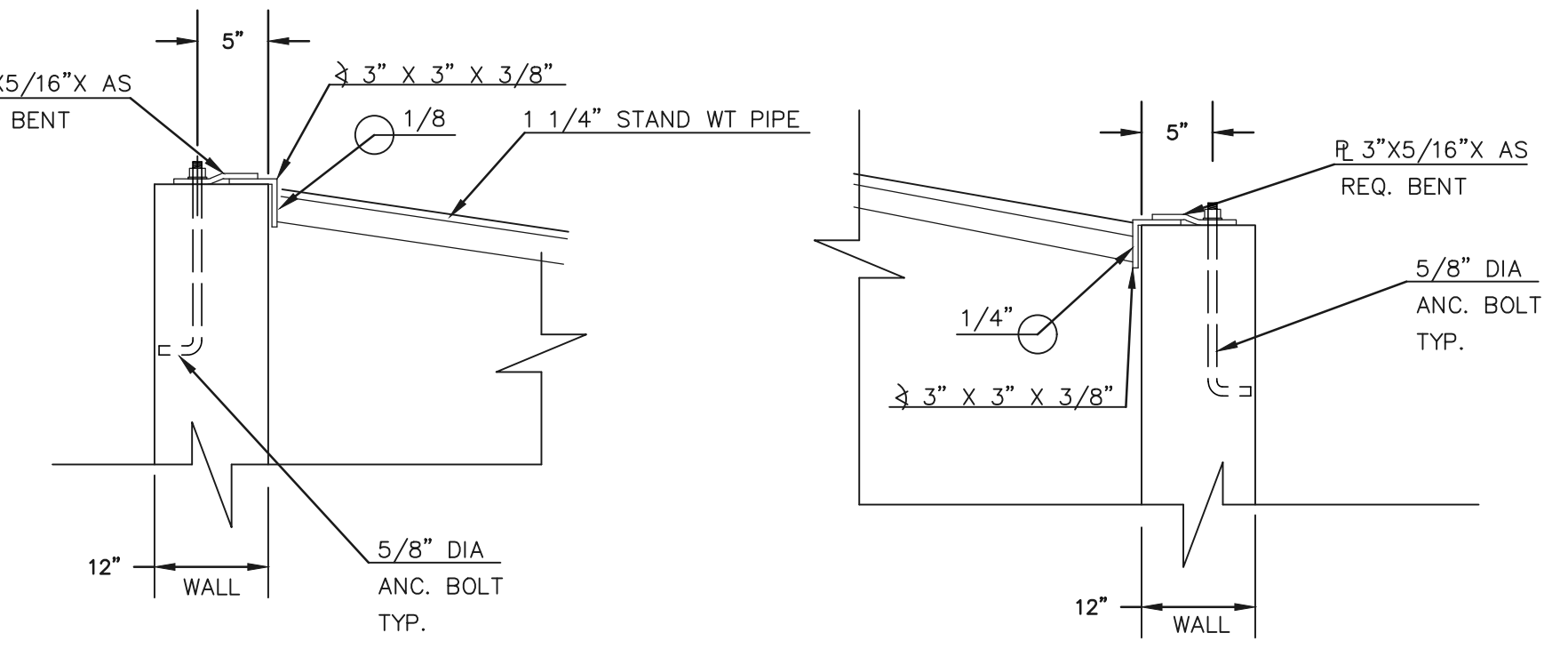
DESIGNED BY	MAW	SCALE	DATE	06/23/22
DRAWN BY	LDB	(H) 1" = 3'	SHEET	10 OF 13
CHECKED BY	(V) 1" = N/A	JOB NO.	1302.20	



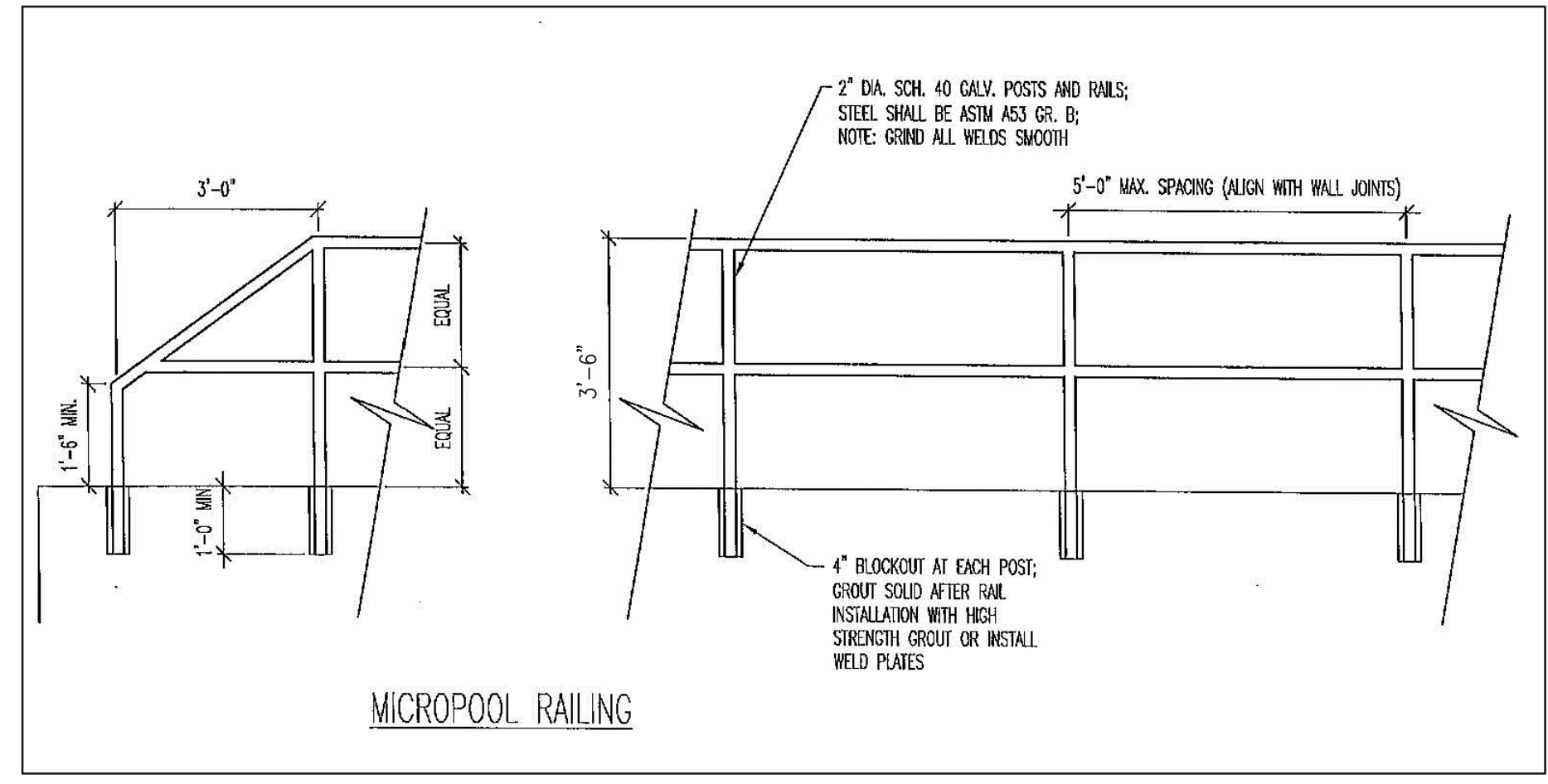
N:\130220\DRAWINGS\CONSTRUCTION\PN01-130220-PN01-02.dwg, 8/12/2022 9:46:54 AM, 1:1



- NOTES:
1. WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT. DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
 2. HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
 3. RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
 4. ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.

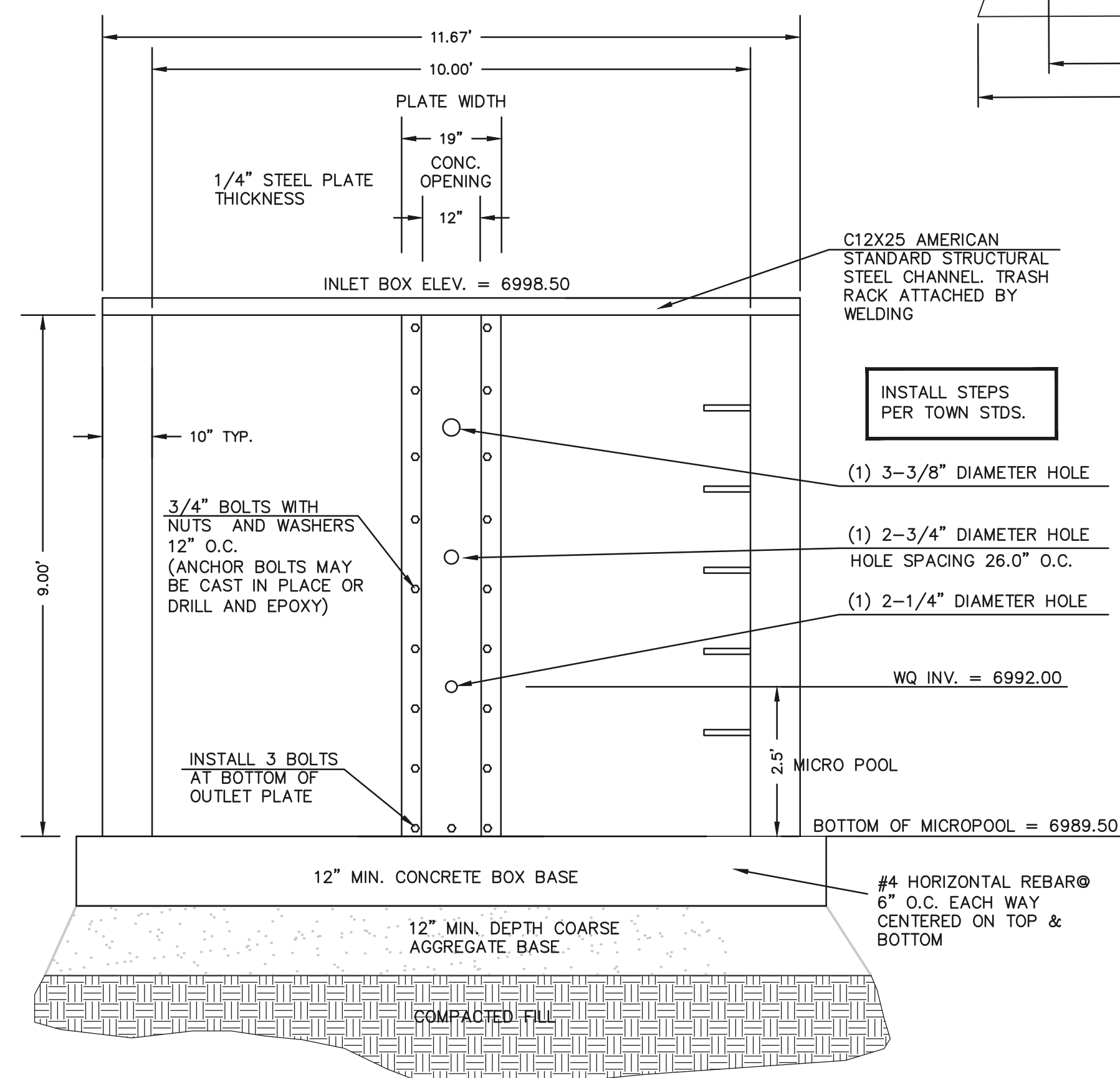


4'X10' OUTLET BOX OVERFLOW TRASH RACK
SCALE 1" = 2'



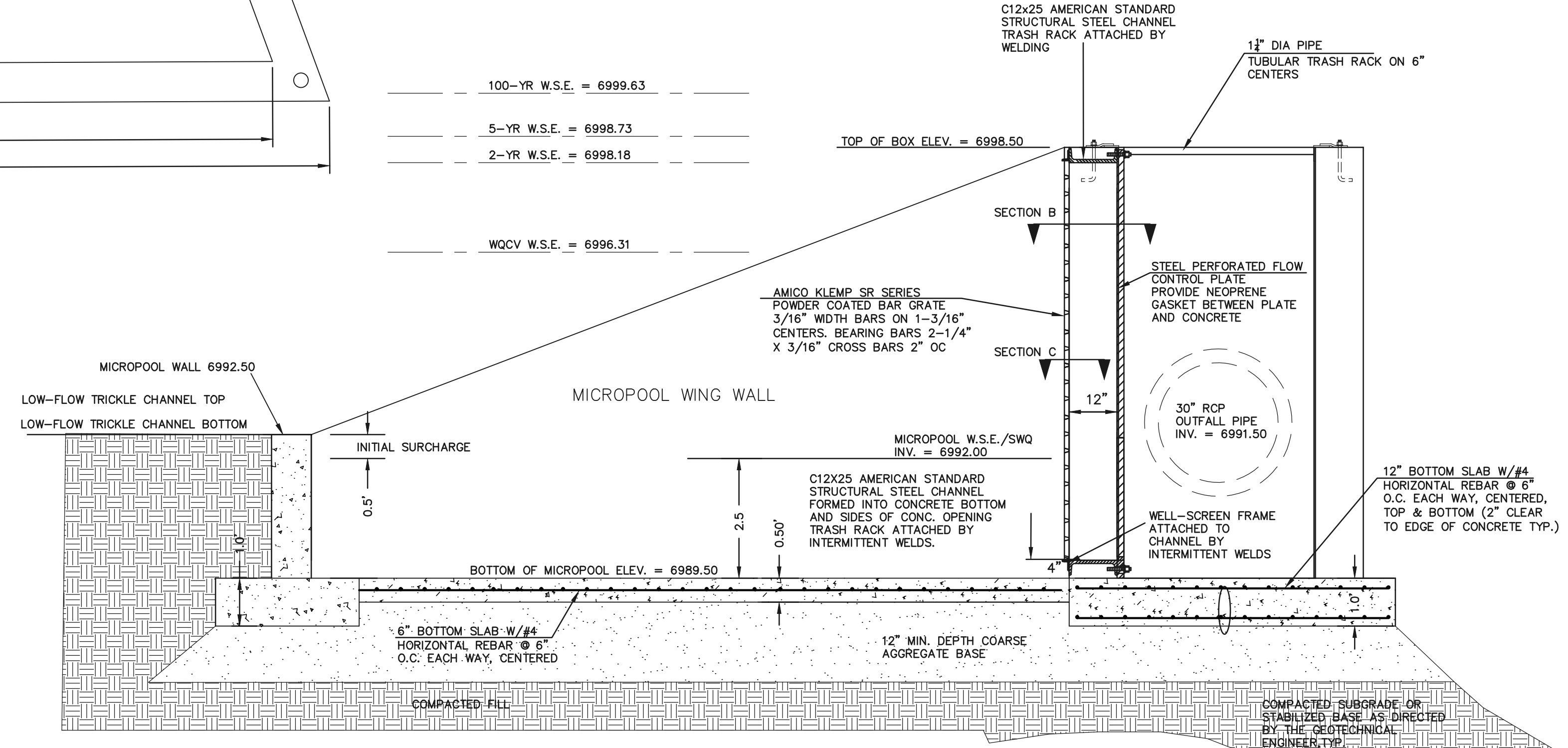
OUTLET BOX RAILING
N.T.S.

- (ALL MATERIALS PER TOWN OF MONUMENT SPECIFICATIONS)
- ORIFICE PLATE NOTES:
1. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
 2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER
- EURV AND WQCV TRASH RACKS:
1. WELL-SCREEN TRASH RACKS SHALL BE POWDER COATED STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
 2. BAR GRATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
 3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
 4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF RACK.
- OVERFLOW TRASH RACKS:
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS
 2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
 3. TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
 4. STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



4'X10' OUTLET BOX ORIFICE PLATE
SCALE 1" = 2'

- (ALL MATERIALS PER TOWN OF MONUMENT SPECIFICATIONS)
- ORIFICE PLATE NOTES:
1. INSTALL HOLES AS SHOWN ON DETAIL TO LEFT.
 2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE
 3. ALL STAINLESS STEEL USED TO BE GALVANIZED.
- EURV AND WQCV TRASH RACKS:
4. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
 5. BAR GRATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
 6. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF RACK
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 4. STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



4'X10' OUTLET BOX MICROPOOL SECTION A
SCALE 1" = 2'

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERING AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO REGISTERED PROFESSIONAL ENGINEER #37155

8/12/2022 DATE

CLASSIC
CONSULTING ENGINEERS & SURVEYORS

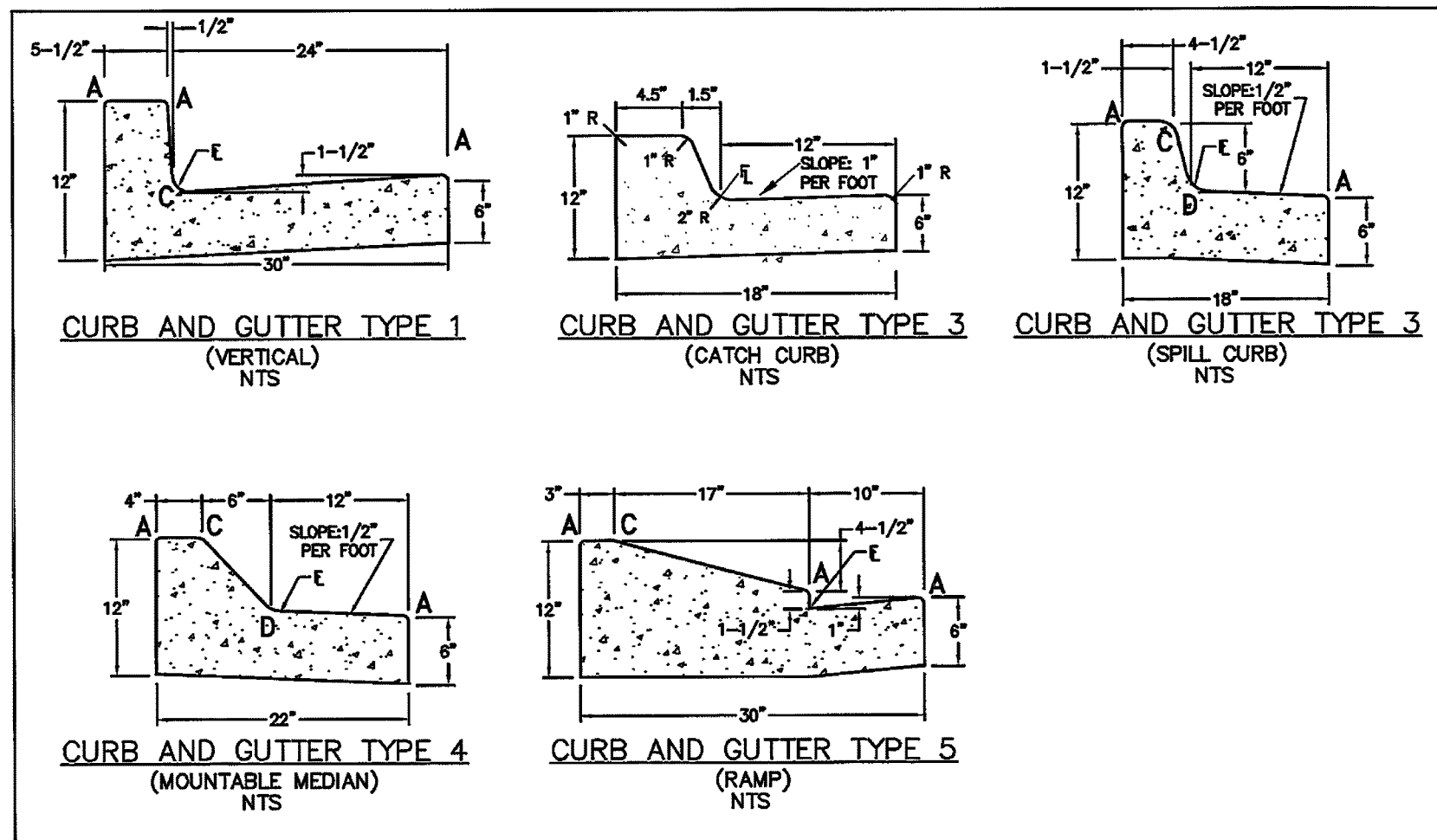
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

(719) 785-0790
(719) 785-0799 (Fax)

MONUMENT JUNCTION WEST FILING NO. 1
DRAINAGE IMPROVEMENT PLANS
PARK/POND FACILITY NO. 1
MICROPOOL & OUTLET BOX DETAILS

DESIGNED BY	MAW	SCALE	DATE
			06/23/22
DRAWN BY	LDB	(H) 1" = N/A	SHEET 11 OF 13
CHECKED BY	(V) 1" = N/A	JOB NO.	1302.20





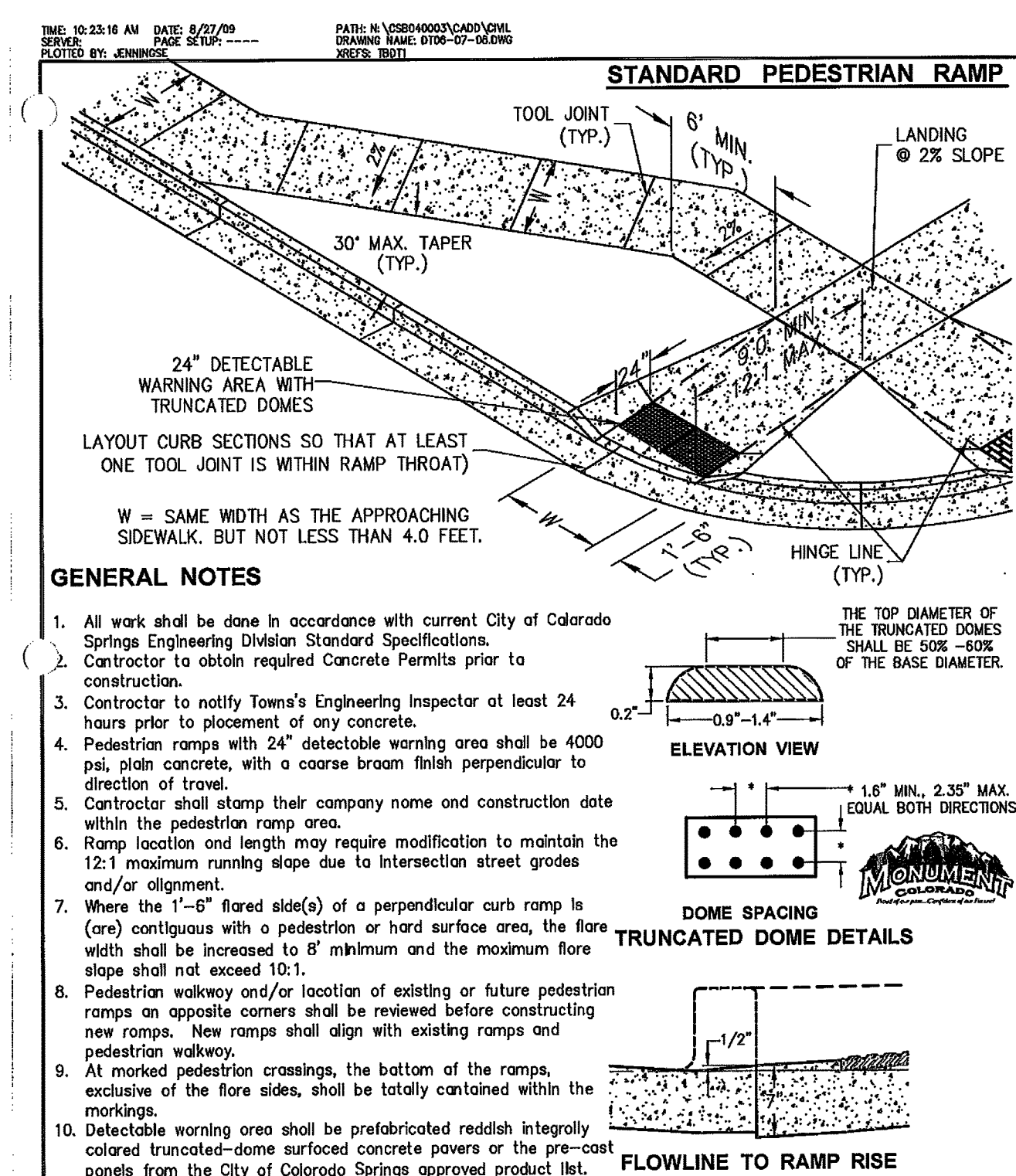
STANDARD CURB AND GUTTER TYPE 1, 3, 4 AND 5

DT 01

PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: MARCH 2009 JOB NUMBER: CSB040003

NOLTE BEYOND ENGINEERING

MONUMENT ENGINEERS & SURVEYORS



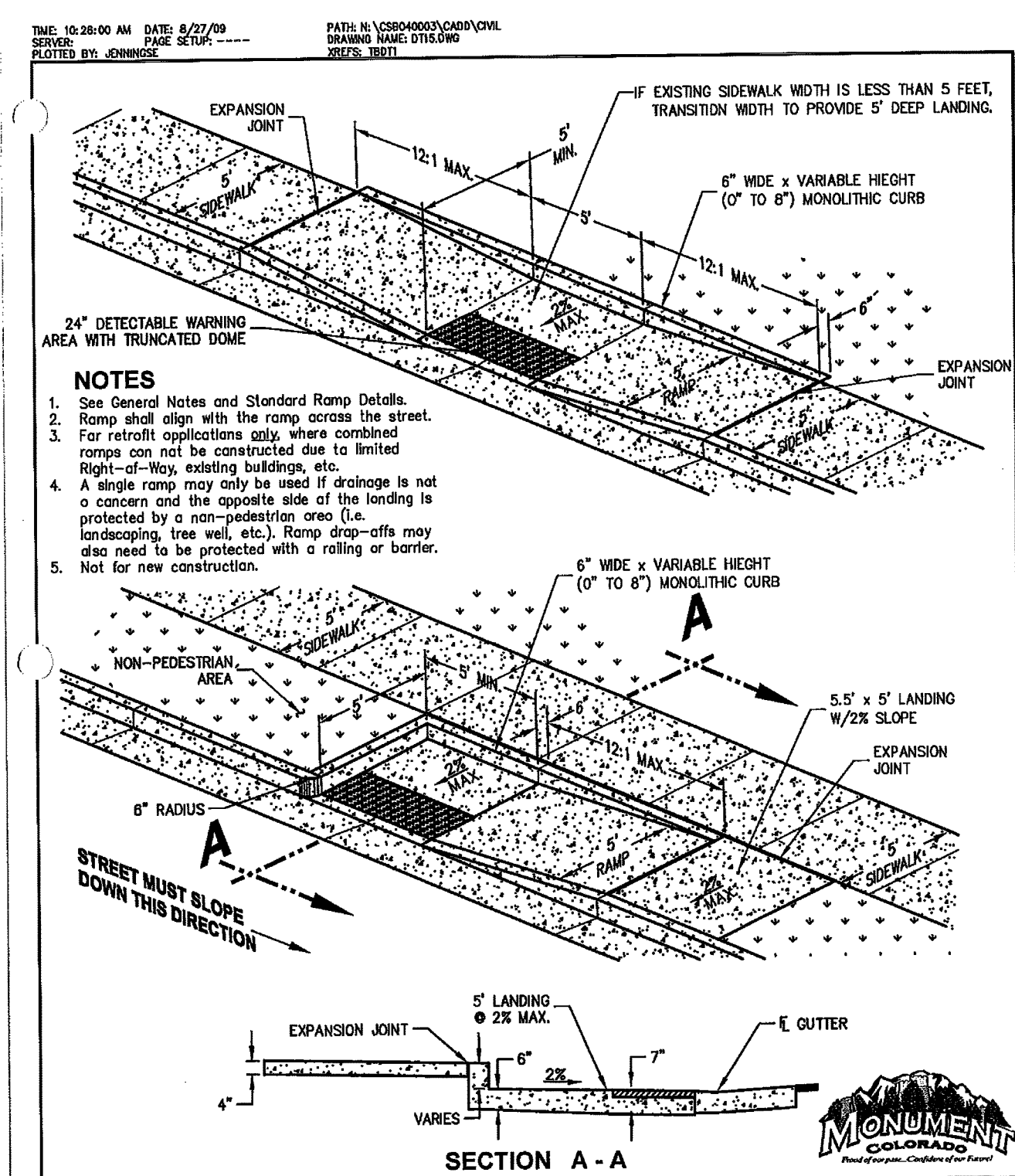
STANDARD PEDESTRIAN RAMP

DT 06

PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: AUG. 2009 JOB NUMBER: CSB040003

NOLTE BEYOND ENGINEERING

MONUMENT ENGINEERS & SURVEYORS



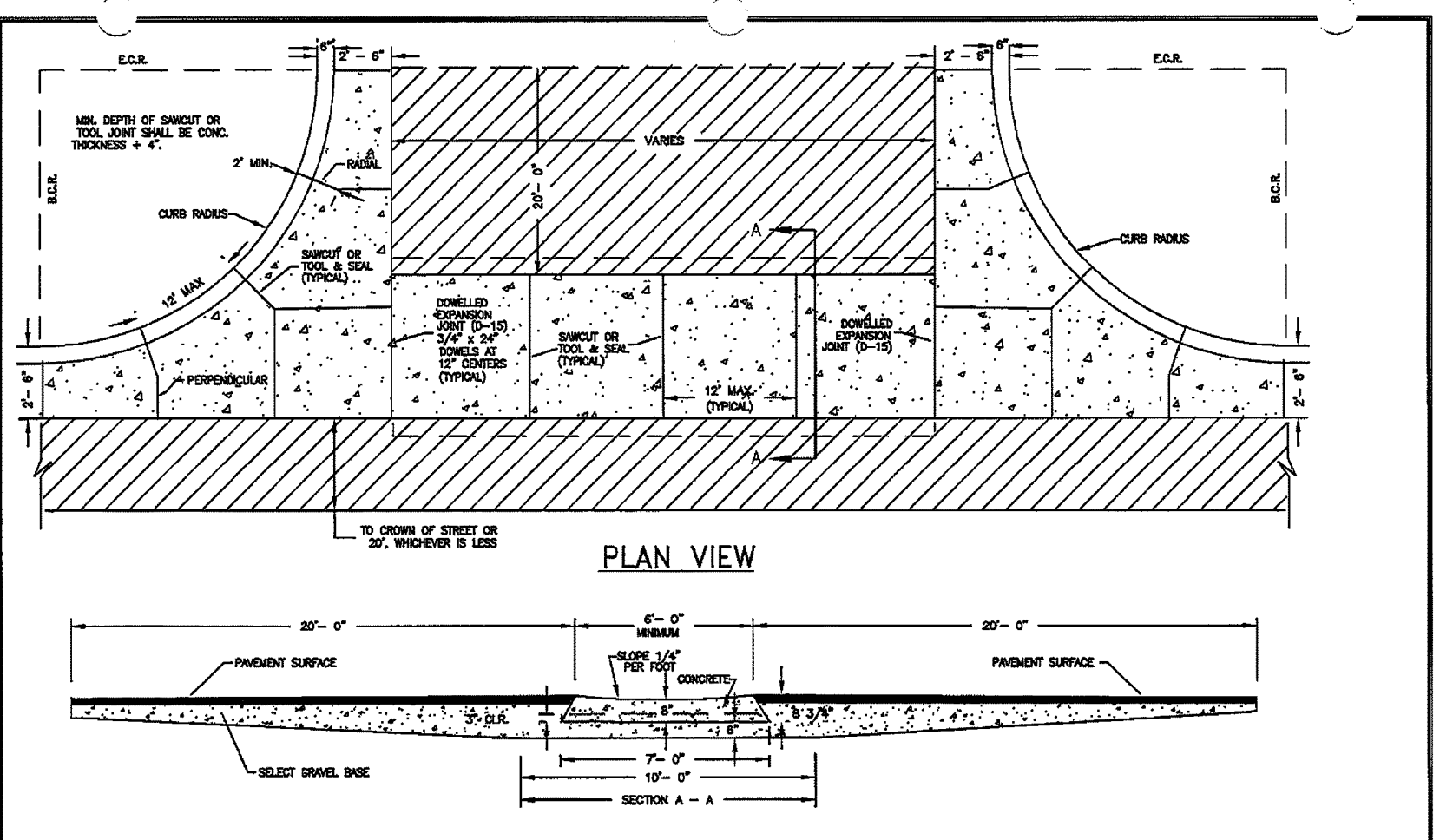
ALTERNATE PARALLEL PEDESTRIAN RAMP DETAILS-MID-BLOCK OR 'T' INTERSECTION

DT 15

PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: AUG. 2009 JOB NUMBER: CSB040003

NOLTE BEYOND ENGINEERING

MONUMENT ENGINEERS & SURVEYORS



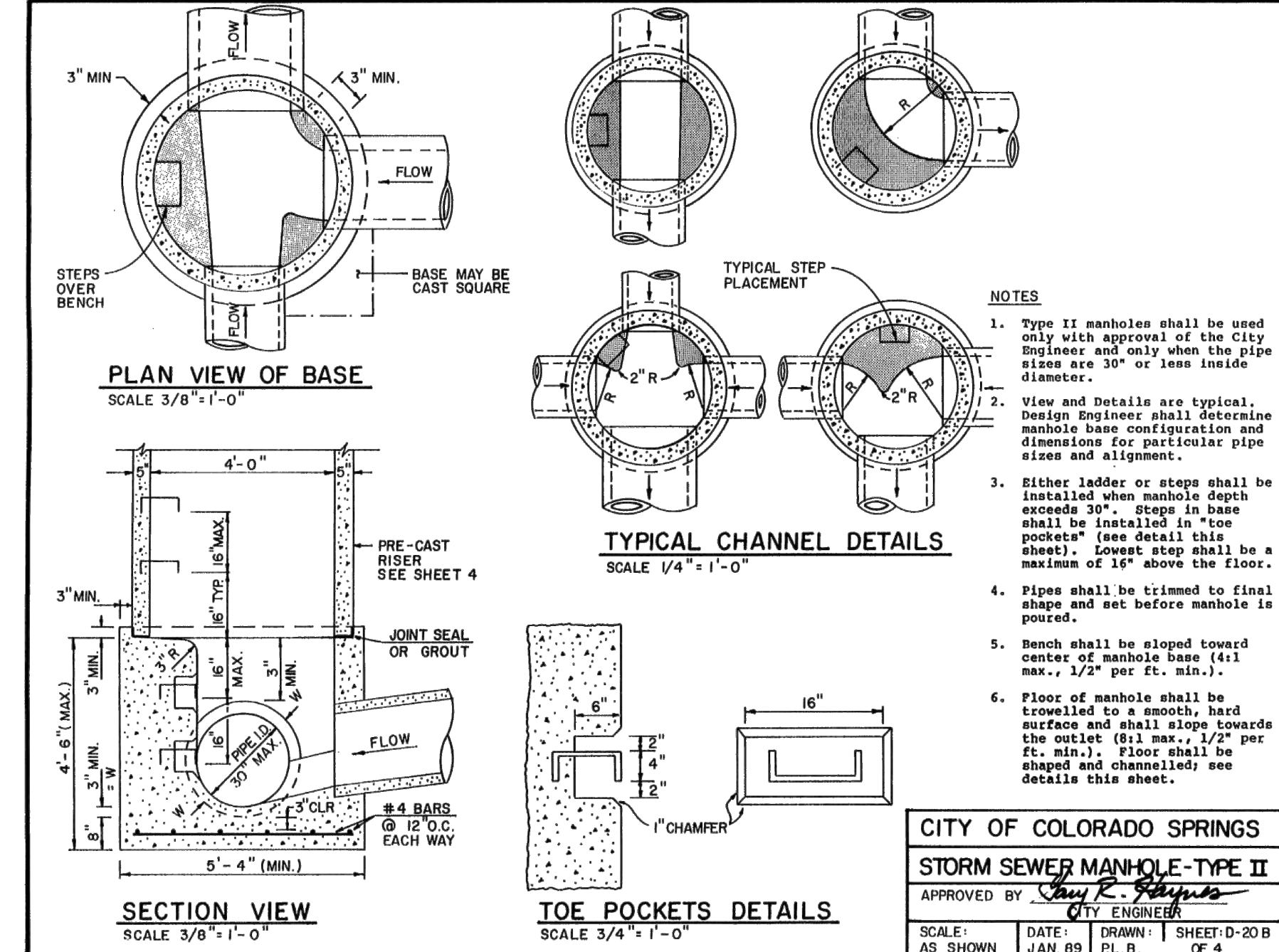
CROSS PAN

DT 02

PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: MARCH 2009 JOB NUMBER: CSB040003

NOLTE BEYOND ENGINEERING

MONUMENT ENGINEERS & SURVEYORS



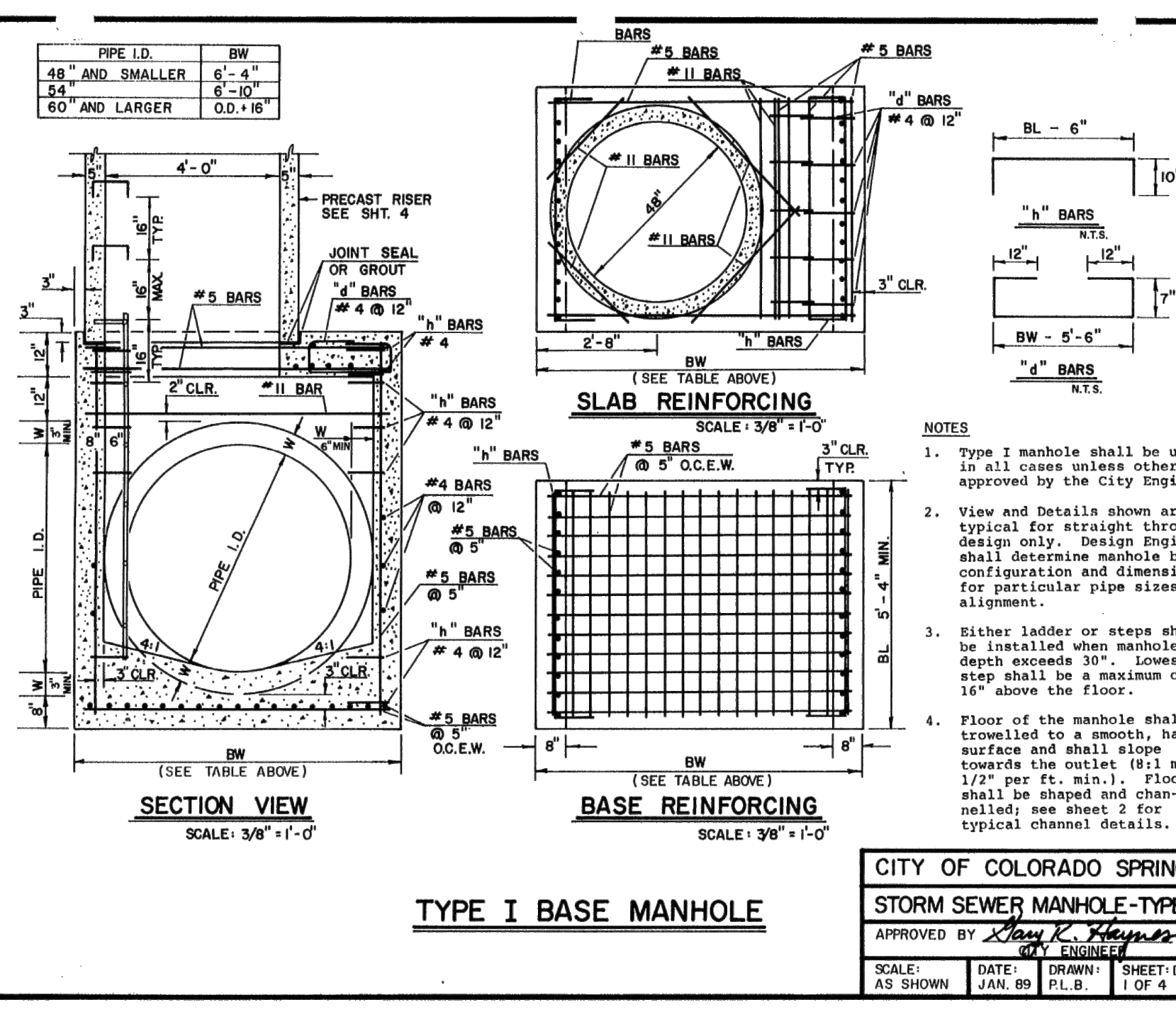
TYPE I BASE MANHOLE

DT 03

PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: MARCH 2009 JOB NUMBER: CSB040003

NOLTE BEYOND ENGINEERING

MONUMENT ENGINEERS & SURVEYORS



TYPE I BASE MANHOLE

DT 03

PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: MARCH 2009 JOB NUMBER: CSB040003

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CITY OF COLORADO SPRINGS

STORM SEWER MANHOLE-TYPE II

APPROVED BY: [Signature]

SCALE: AS SHOWN DATE: JAN. 09 PL. B. DRAWN: [Signature] SHEET: D-20-B OF 4

MONUMENT JUNCTION WEST FILING NO. 1 CONSTRUCTION PLANS

DETAIL SHEET

DESIGNED BY: MAW SCALE: DATE: 06/23/22

DRAWN BY: LDB (H) 1" = N/A SHEET 12 OF 13

CHECKED BY: (V) 1" = N/A JOB NO. 1302.20

CLASSIC CONSULTING ENGINEERS & SURVEYORS

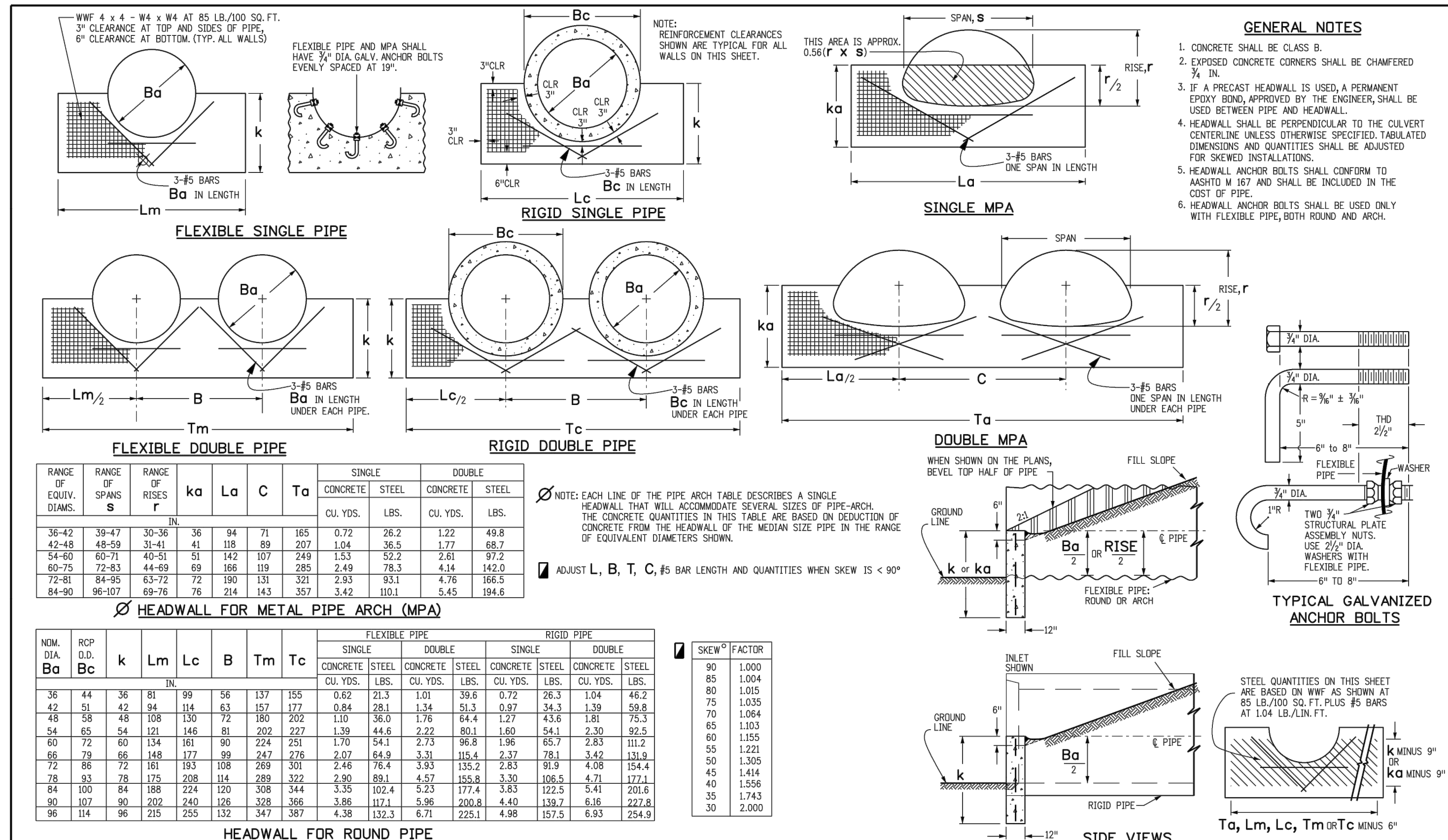
619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719) 785-0790 (719) 785-0799 (Fax)

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, REGISTERED PROFESSIONAL ENGINEER, No. 37155

8/12/2022 DATE

N:\130220\DRAWINGS\CONSTRUCTION\130220-DETAILS-01.dwg - 7/6/2022 3:57:29 PM, 1:1



Computer File Information

Creation Date: 07/31/19
 Designer: JBK
 Last Modification Date: 07/31/19
 Detailer: LTA
 CAD Ver: MicroStation V8 Scale: Not to Scale Units: English

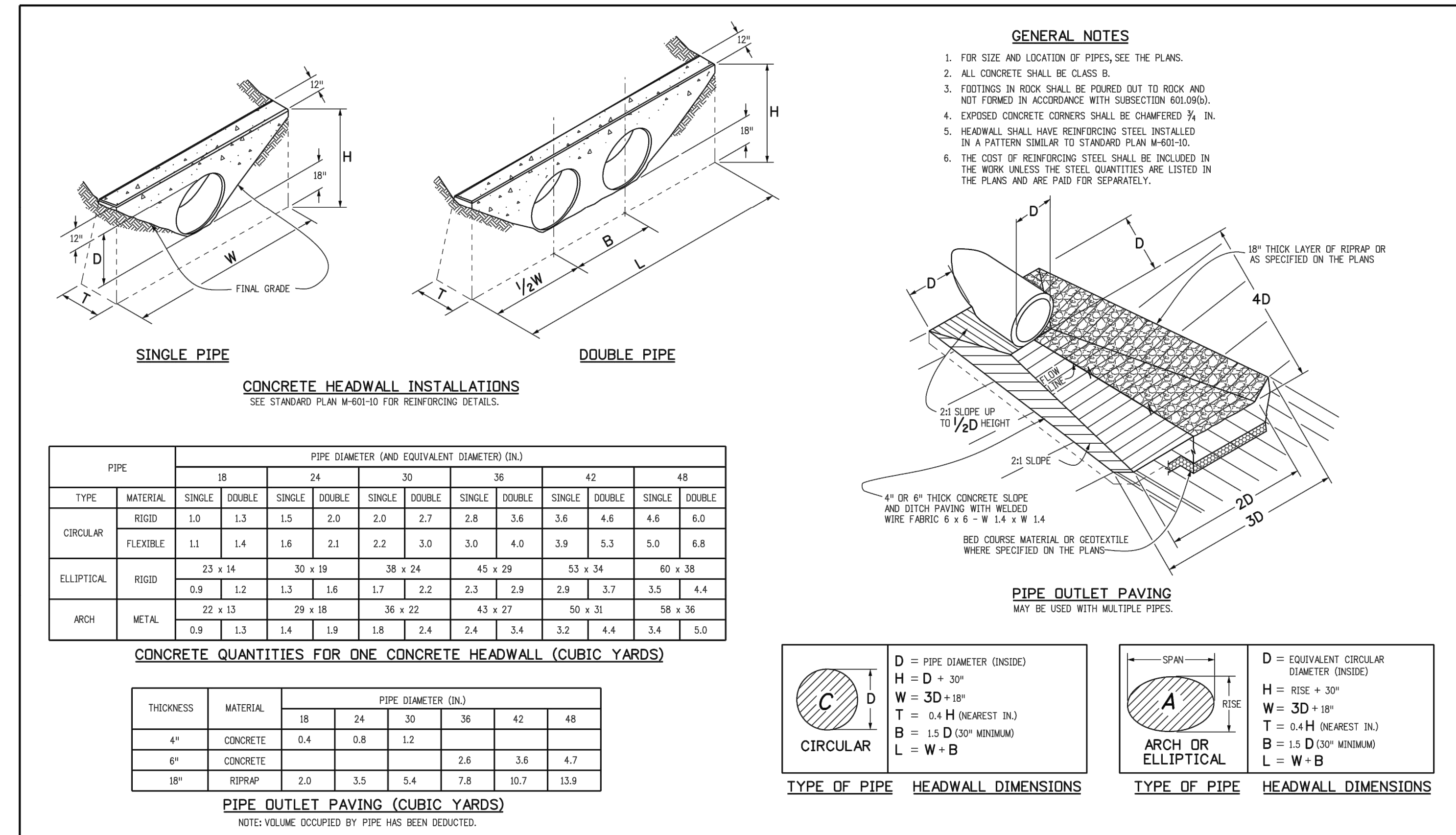
Sheet Revisions

Date: _____ Comments: _____

Colorado Department of Transportation
 2829 West Howard Place
 CDOT Hq, 3rd Floor
 Denver, CO 80224
 Phone: 303-757-9021 FAX: 303-757-9888
 Project Development Branch JBK

TYPE "S" SADDLE HEADWALLS FOR PIPE

STANDARD PLAN NO. M-601-11
 Standard Sheet No. 1 of 1
 Issued by the Project Development Branch July 31, 2019



Computer File Information

Creation Date: 07/04/12
 Designer: LTA
 Last Modification Date: 07/10/12
 Full Path: www.coloradodot.info/business/designsupport/CDOT
 Drawing File Name: 601012010.dgn
 CAD Ver: MicroStation V8 Scale: Not to Scale Units: English

Sheet Revisions

Date: _____ Comments: _____

Colorado Department of Transportation
 4201 East Arkansas Avenue
 Denver, Colorado 80222
 Phone: (303) 757-9823
 Fax: (303) 757-9820
 Project Development Branch DD/LTA

HEADWALLS AND PIPE OUTLET PAVING

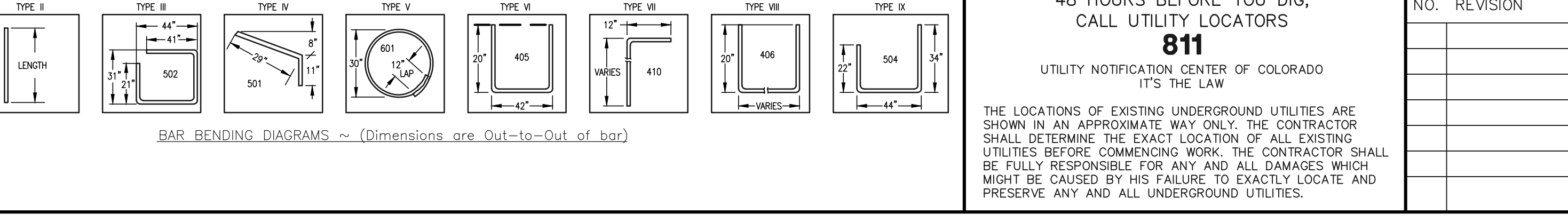
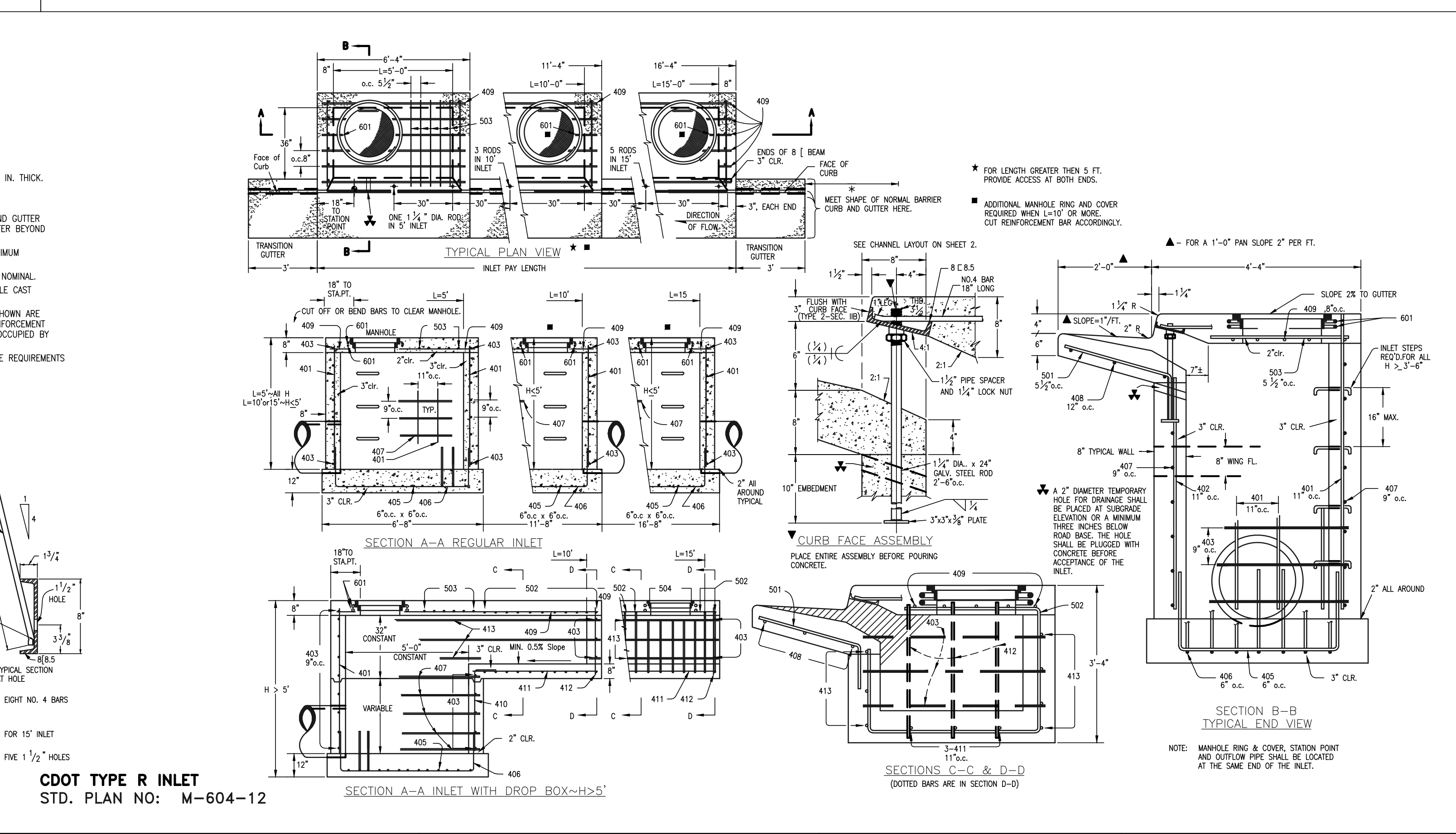
STANDARD PLAN NO. M-601-12
 Sheet No. 1 of 1
 Issued By: Project Development Branch July 4, 2012

TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

MARK	DIA. IN.	O.C. SPACING	TYPE	ALL INLETS								
				L=5'		L=10'		L=15'				
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	
401	11"	II	15	21	26	11	11					
402	11"	II	7	13	18	7	7					
403	9"	II	4-10"	4-10"	4-10"	4-10"	4-10"					
405	6"	VIII	11	6-10"	21	6-10"	31	6-10"	11	6-10"	11	6-10"
406	6"	VIII	7	8-10"	7	13-10"	7	8-10"	7	8-10"	7	8-10"
407	9"	II	5	5-10"	5	10-10"	5	5-10"	5	5-10"	5	5-10"
408	12"	II	3	6-10"	3	16-10"	3	11-10"	3	16-10"	3	16-10"
409	8"	II	6	5-10"	6	10-10"	6	15-10"	6	10-10"	6	15-10"
410	11"	VIII	11	6-10"	11	6-10"	11	6-10"	11	6-10"	11	6-10"
411	11"	VIII	7	8-10"	7	13-10"	7	8-10"	7	8-10"	7	8-10"
412	11"	II	3	2-9"	3	2-9"	3	2-9"	3	2-9"	3	2-9"
413	9"	II	7	10-10"	7	10-10"	7	10-10"	7	10-10"	7	10-10"
501	5 1/2"	IV	11	3-4"	22	3-4"	33	3-4"	22	3-4"	33	3-4"
502	5 1/2"	III	11	3-4"	11	11-5"	17	11-5"	11	11-5"	17	11-5"
503	5 1/2"	II	5	3-6"	16	3-6"	27	3-6"	6	3-6"	6	3-6"
504	5 1/2"	IX	5	8-4"	5	8-4"	5	8-4"	5	8-4"	5	8-4"
601	21/2"	V	2	8-10"	2	8-10"	2	8-10"	2	8-10"	4	8-10"
601.5			1	5-10"	1	10-10"	1	15-10"	1	10-10"	1	15-10"

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

H"	LENGTH	NO. REQ'D.		L=5'	L=10'	L=15'
		REGULAR	DROP BOX			
3'-0"	2'-8"	410	403	3.2	285	7.4
3'-0"	3'-2"	2'-2"	10	7	3.4	305
3'-6"	3'-8"	2'-8"	10	7	3.7	326
4'-0"	4'-2"	3'-2"	12	9	3.9	334
4'-6"	4'-8"	3'-8"	14	11	4.1	354
5'-0"	5'-2"	4'-2"	16	13	4.4	375
6'-0"	6'-8"	4'-8"	20	17	4.6	382
6'-6"	6'-2"	4'-2"	16	13	4.8	402
7'-0"	6'-8"	4'-8"	20	17	5.0	423
7'-6"	7'-2"	6'-2"	22	19	5.3	430
8'-0"	7'-8"	6'-8"	25	22	5.5	451
8'-6"	8'-2"	7'-2"	24	21	5.7	471
9'-0"	8'-8"	7'-8"	24	21	6.0	479
9'-6"	9'-2"	8'-2"	26	23	6.2	499
10'-0"	9'-8"	8'-8"	28	25	6.4	520
10'-6"	10'-2"	9'-2"	28	25	6.7	527
11'-0"	10'-8"	9'-8"	30	27	6.9	547



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MARC A. WHORTON (37155)
 COLORADO REGISTERED PROFESSIONAL ENGINEER

8/12/2022
 DATE

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CONSTRUCTION PLANS
 DETAIL SHEET

CLASSIC CONSULTING

DESIGNED BY: MAW SCALE: DATE: 07-01-22
 DRAWN BY: MAW (H) 1" = NA SHEET 13 OF 13
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 619 N. Cascade Avenue, Suite 200
 Colorado Springs, Colorado 80903

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