

CONSTRUCTION PLANS FOR CREEKSIDE AT LORSON RANCH FILING NO. 1 STREET AND STORM SEWER CONSTRUCTION PLANS



Know what's below.
Call before you dig.

CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES

See comment letter.

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Reference Channel Improvement plans by Kiowa

DEVELOPER'S STATEMENT

THE UNDERSIGNED OWNER/DEVELOPER HAS READ AND WILL COMPLY WITH ALL THE REQUIREMENTS SPECIFIED IN THESE CONSTRUCTION PLANS AND THE ACCOMPANYING DRAINAGE REPORT.

BUSINESS NAME LORSON, LLC

BY _____ DATE _____

TITLE _____

ADDRESS 212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, CO 80903

Engineering Review

06/18/2019 11:01:03 AM
dsdrice
JeffRice@elpaso.co.gov
(719) 520-7877
EPC Planning & Community
Development Department

CONSTRUCTION APPROVAL

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUALS VOLUME 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED. IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE TWO YEARS THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JENNIFER IRVINE, COUNTY ENGINEER/ECM ADMINISTRATOR DATE _____
CONDITIONS:

ENGINEER'S APPROVAL

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RICHARD L. SCHINDLER, P.E. # 33997
FOR AND ON BEHALF OF CORE ENGINEERING GROUP



VICINITY MAP
NO SCALE

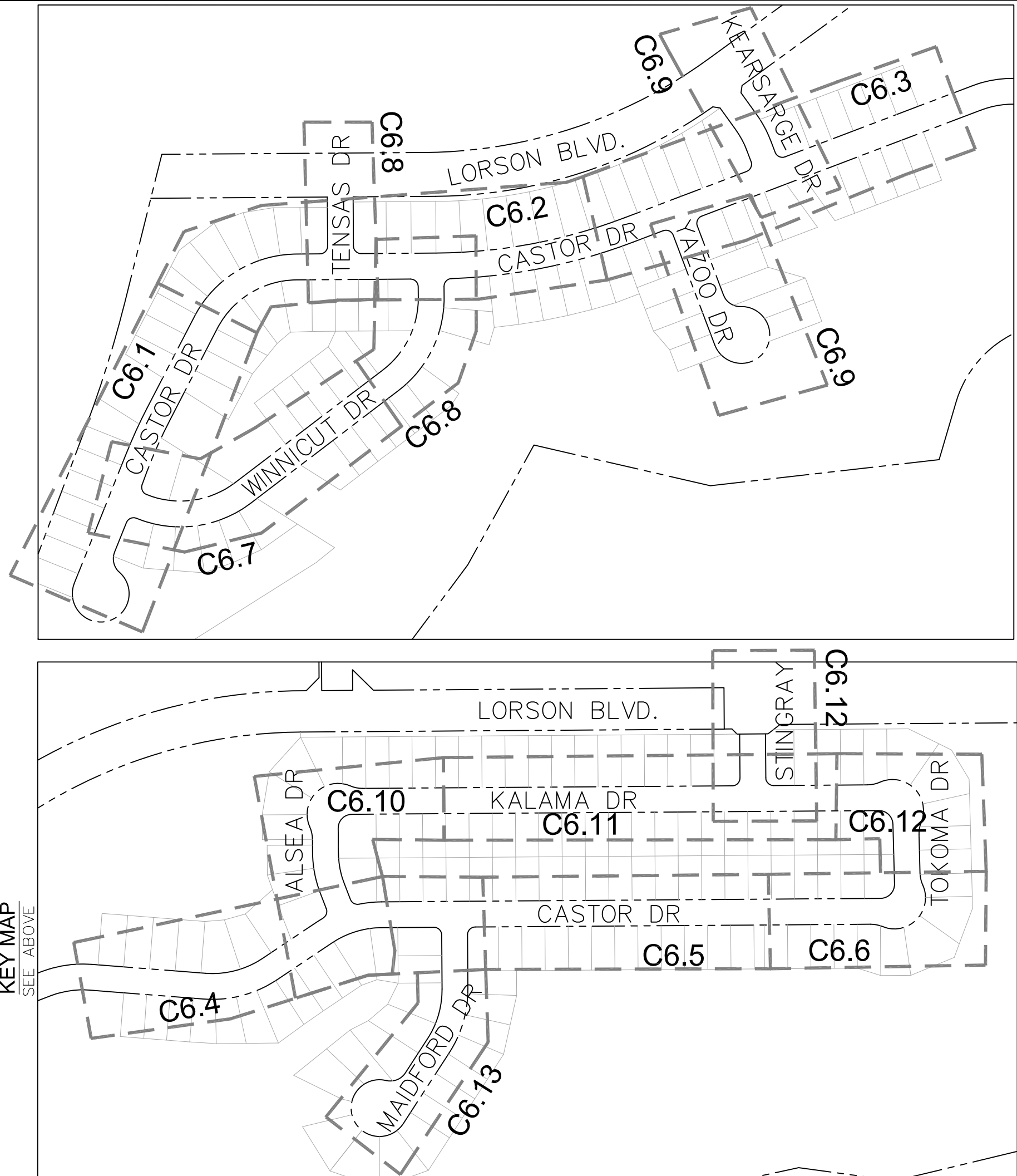
PREPARED FOR:
LORSON, LLC
N. WAHSATCH AVE., SUITE 301
COLORADO SPRINGS, CO 80903
719-635-3200
CONTACT: JEFF MARK

PREPARED BY:
CORE ENGINEERING GROUP
15004 1ST AVENUE S.
BURNSVILLE, MN 55306
719-570-1100
CONTACT: RICHARD L. SCHINDLER P.E.

LEGEND

- SUBDIVISION BOUNDARY
- EXISTING AND PROPOSED RIGHT OF WAY
- EXISTING AND PROPOSED LOT LINES
- EXISTING AND PROPOSED EASEMENTS
- STREET CENTERLINE
- PROPOSED CURB AND GUTTER
- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING 24" SANITARY SEWER
- EXISTING GASMAIN
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING CABLE TV
- EXISTING PHONE OR FIBER OPTIC
- EXISTING STORM DRAIN
- PROPOSED STORM SEWER
- EXISTING MANHOLES
- PROPOSED SANITARY AND STORM MANHOLES
- EXISTING AND PROPOSED WATERMAIN VALVES
- EXISTING AND PROPOSED FIRE HYDRANT
- EXISTING UTILITY POLE
- PROPOSED STORM SEWER INLET

PUDSP-18-005
SF-19-00X



KEY MAP
NO SCALE

WATER / SANITARY
WIDEFIELD WATER AND SANITATION DISTRICT
8495 FONTAINE BLVD.
COLORADO SPRINGS, CO 80925
719-390-7111

CABLE
COMCAST
P.O. BOX 173838
DENVER, CO 80217
970-641-4774

ELECTRIC
MOUNTAIN VIEW ELECTRIC
11140 E. WOODMEN RD.
COLORADO SPRINGS, CO 80831
719-495-2283

SECURITY FIRE PROTECTION DISTRICT
400 SECURITY BOULEVARD
SECURITY, CO 80911
719-392-7121

TELEPHONE
CENTURYLINK
7925 INDUSTRY ROAD
COLORADO SPRINGS, CO 80939
719-278-4651

GAS
BLACK HILLS ENERGY
7060 ALLEGRE ST.
FOUNTAIN, CO 80817
719-393-6639

EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRCLE
COLORADO SPRINGS, CO 80910
719-520-6300

BASIS OF BEARING

BEARINGS ARE BASED ON THE SOUTH LINE OF THE NORTH HALF OF SECTION 23, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN AS BEING SOUTH 89°1'52" WEST. THE EAST QUARTER CORNER OF SAID SECTION 23 IS A FOUND 3-1/2" ALUMINUM CAP MONUMENT AND THE WEST QUARTER CORNER OF SAID SECTION 23 IS A FOUND 2-1/2" ALUMINUM CAP MONUMENT

BENCHMARK

FIMS MONUMENT F204 LOCATED AT THE NORTHWEST CORNER OF FONTAINE BLVD AND COTTONWOOD GROVE DR. ELEVATION 5724.072 (N.G.V.D. 29)

TRAFFIC CONTROL NOTE

THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL DEVICES AND MONITORING NECESSARY TO SAFELY COMPLETE THE WORK SHOWN IN THESE CONSTRUCTION DOCUMENTS IN CONFORMANCE WITH M.U.T.C.D. GUIDELINES. THE CONTRACTOR SHALL COMPLETE ALL NECESSARY WORK FOR PLAN REVIEW, PERMITS AND PROCESSING. TRAFFIC CONTROL WILL NOT BE PAID SEPARATELY BUT IS INCLUDED IN THE COST OF THE PROJECT.

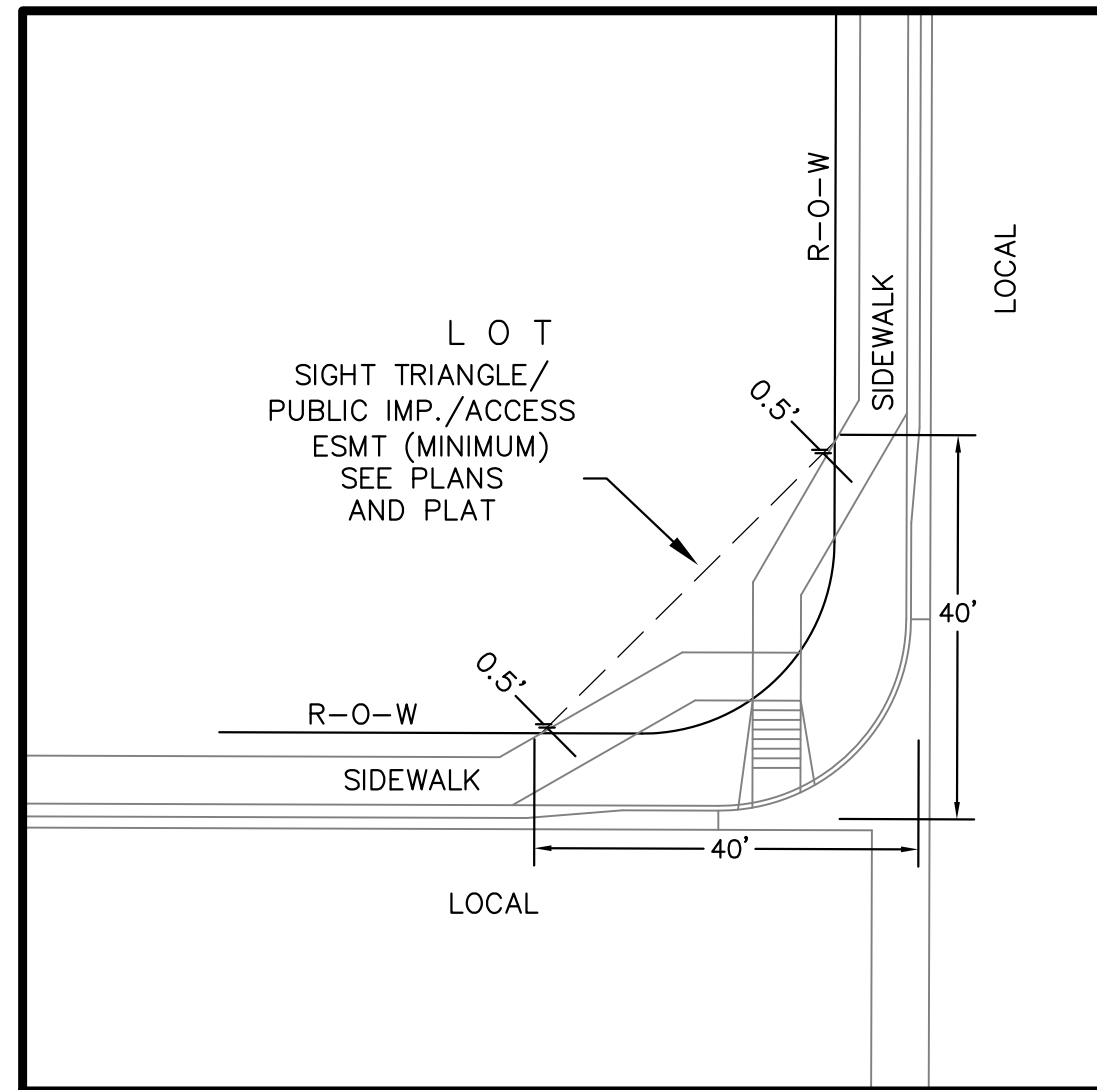
CORE ENGINEERING GROUP
15004 1ST AVENUE S.
BURNSVILLE, MN 55306
PH: 719-570-1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE: _____
DESCRIPTION: _____
NO: _____
PREPARED FOR:
LORSON, LLC
212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, COLORADO 80903
(719) 635-3200
CONTACT: JEFF MARK

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

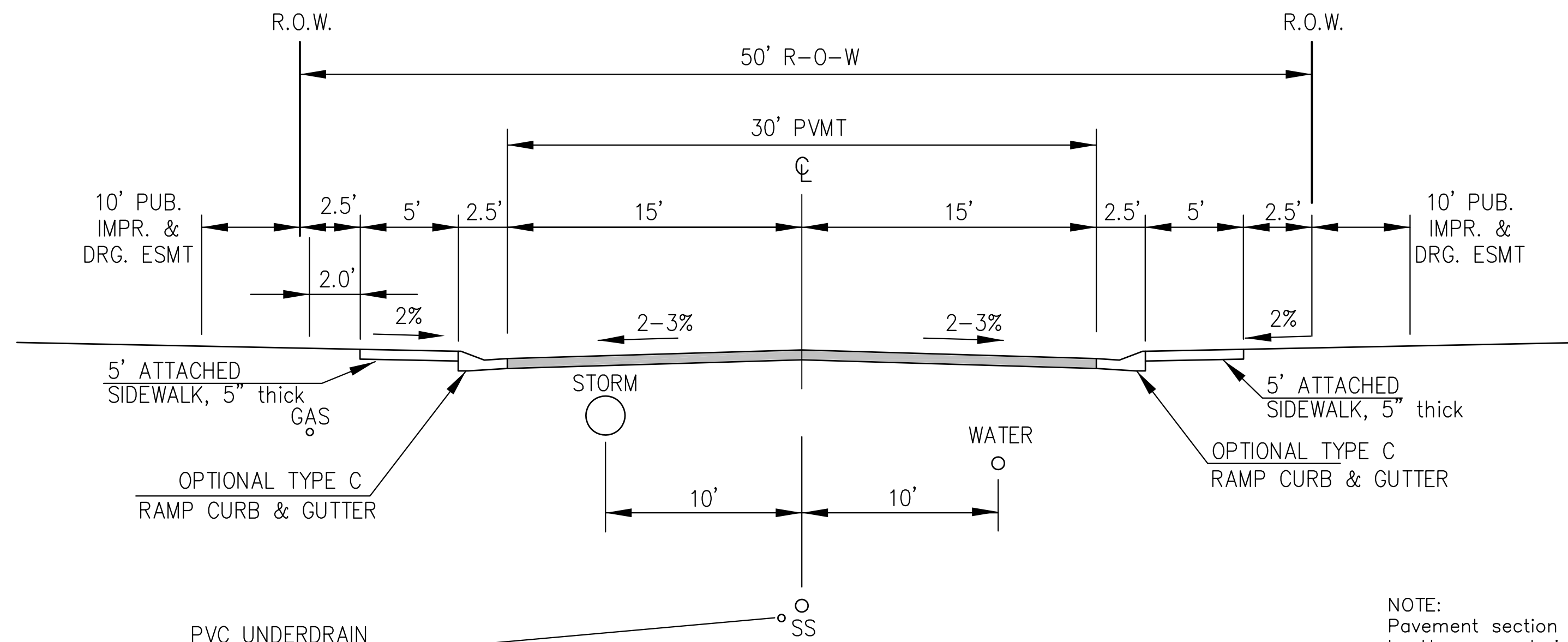
**CREEKSIDE AT LORSON RANCH FIL NO. 1
STREET / STORM SEWER
CONSTRUCTION PLANS**

DATE:
APRIL 15, 2019
PROJECT NO.
100.045
SHEET NUMBER
C0.1
TOTAL SHEETS: 34



**LOCAL ROADWAY SIGHT TRIANGLE
PUBLIC IMPROVEMENT ESMT.**
NOT TO SCALE

NOTE:
ADDITIONAL PUBLIC IMPROVEMENT EASEMENTS ARE REQUIRED WHERE
SIDEWALK ENCROACHES INTO THE PRIVATE LOTS. SEE CONSTRUCTION DRAWINGS
AND THE FINAL PLAT. SEE CONSTRUCTION DRAWINGS AND PLAT FOR SIGHT TRIANGLES



PVC UNDERDRAIN
SEE SAN SWR/WATERMAIN
CONSTRUCTION PLANS
FOR LOCATION & DETAILS

**TYPICAL SECTION 50' R.O.W.
RESIDENTIAL URBAN LOCAL**
NOT TO SCALE

CASTOR DRIVE, WINNICUT DRIVE, TENSAS DRIVE, YAZOO DRIVE,
KEARSARGE DRIVE, MAIDFORD DRIVE, ALSEA DRIVE, KALAMA DRIVE,
STINGRAY LANE, TOMOKA DRIVE

NOTE:
Pavement section to be determined
by Hveem analysis and design. Design
to be approved by El Paso County PCD Engineering

**CORE
ENGINEERING GROUP**
15004 1ST AVENUE S.
BURNSVILLE, MN 55306
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cegi.com

DATE: _____
DESCRIPTION: _____
NO. _____
PREPARED FOR:
LORSON, LLC
212 N. WASHACHE AVE., SUITE 300
COLORADO SPRINGS, CO 80903
CONTACT: JEFF MARK

PROJECT:
**CREEKSIDE AT LORSON
RANCH FILING NO. 1**
LORSON BLVD - KEARSARGE DR
COLORADO SPRINGS, COLORADO

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

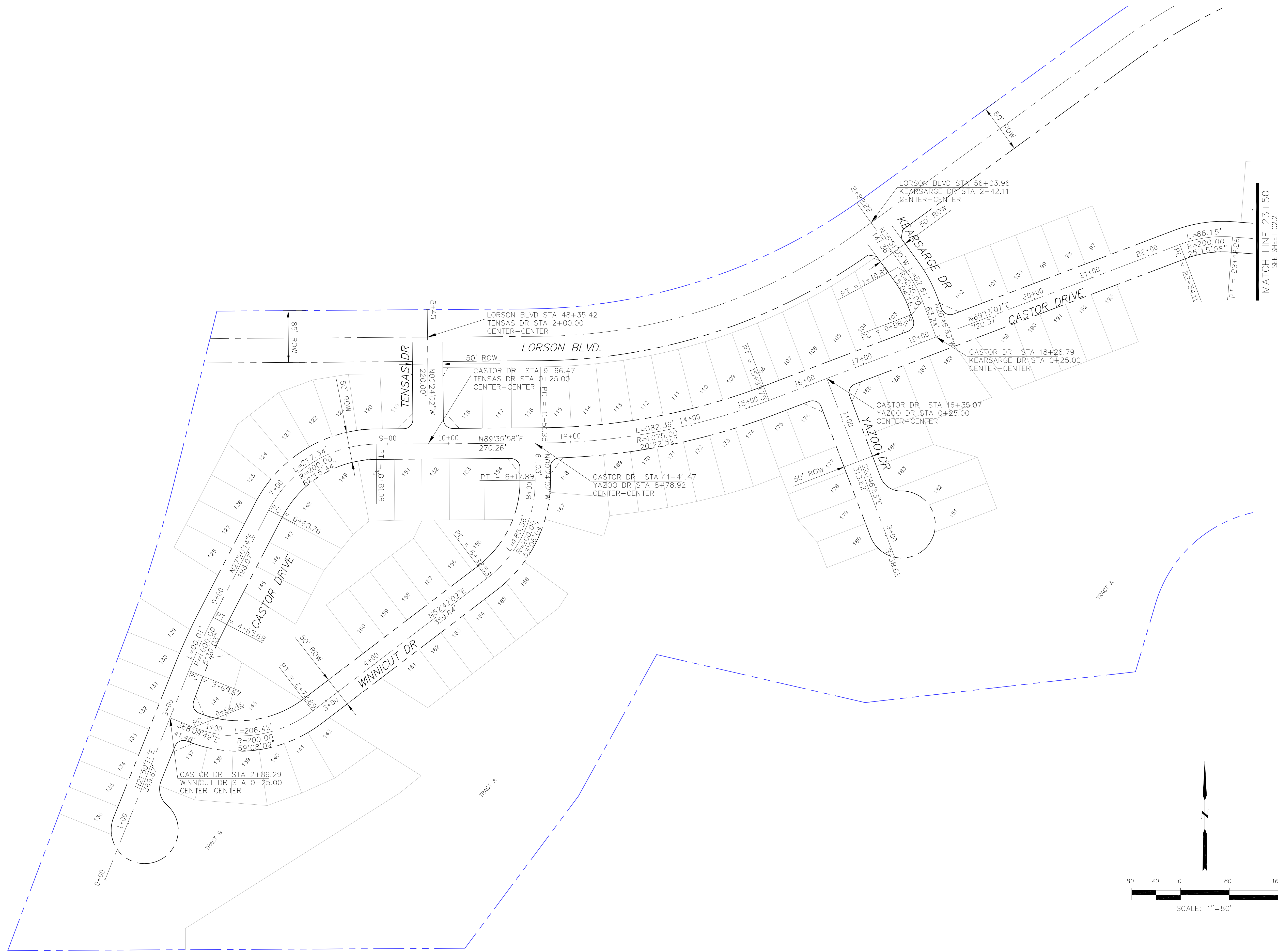
TYPICAL SECTIONS

DATE:
APRIL 15, 2019

PROJECT NO.
100.045

SHEET NUMBER
C1.3

TOTAL SHEETS: 34



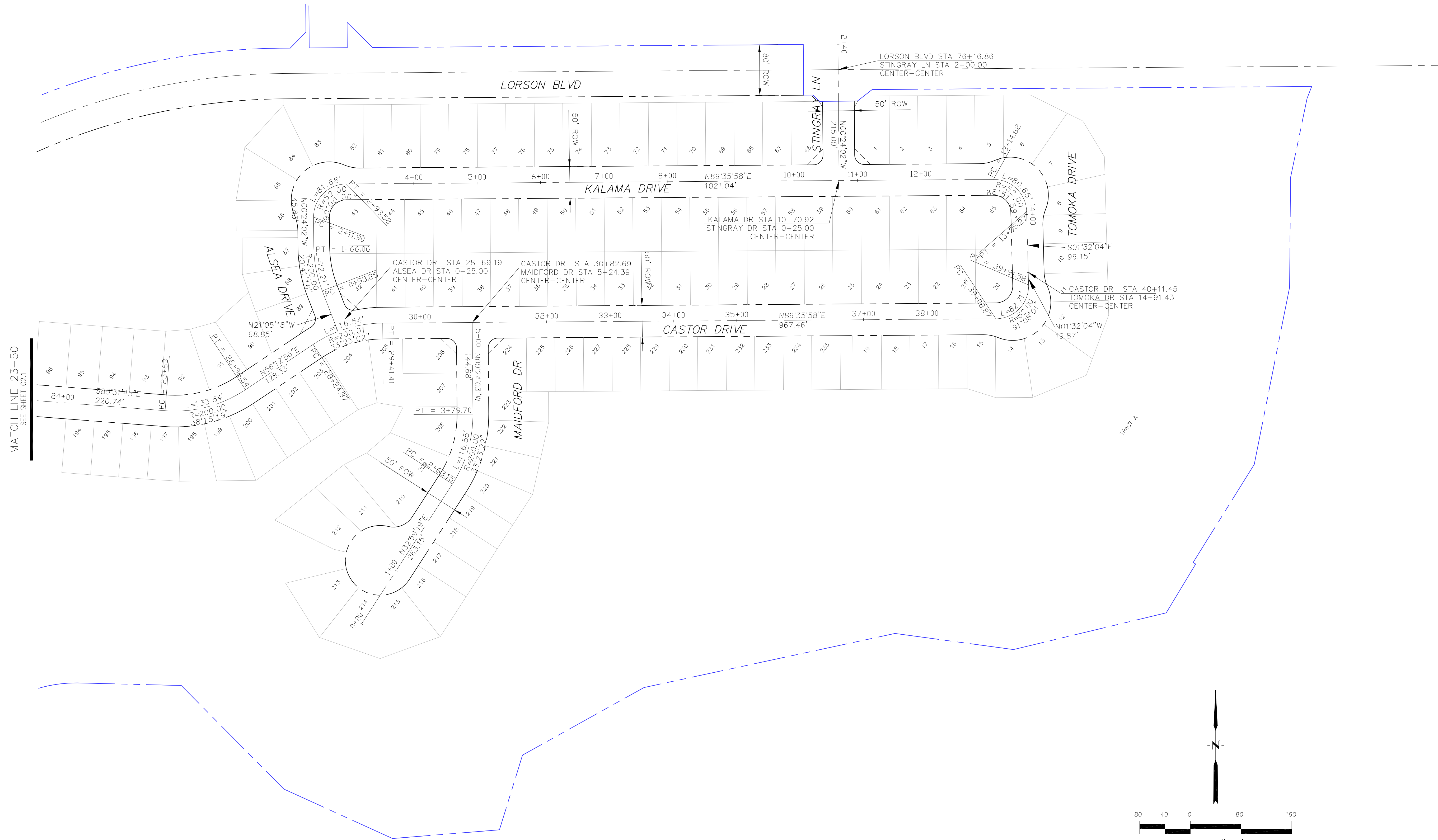
NO.	DESCRIPTION	DATE

PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

PROJECT:
CREEKSIDE AT LORSON RANCH
 FILING NO. 1
 LORSON BLVD, KEARSARGE DR, CASTOR DR, WINNICUT DR, YAZOO DR, KARSARGE DR, TENSAS DR, COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

CREEKSIDE AT LORSON RANCH
FILING NO. 1
HORIZONTAL CONTROL PLAN



CORE
ENGINEERING GROUP
 15004 1ST AVENUE S,
 BLDG 100, SUITE 300
 PLAT 719 570 1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@ceg1.com

DATE: _____
 DESCRIPTION: _____
 NO: _____

PROJECT: CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD, MAIDFORD DR, COLORADO SPRINGS, COLORADO

PREPARED FOR: LORSON, LLC
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

CREEKSIDE AT LORSON RANCH
 FILING NO. 1
 HORIZONTAL CONTROL PLAN

DATE:
 APRIL 15, 2019

PROJECT NO.
 100.045

SHEET NUMBER
 C2.2

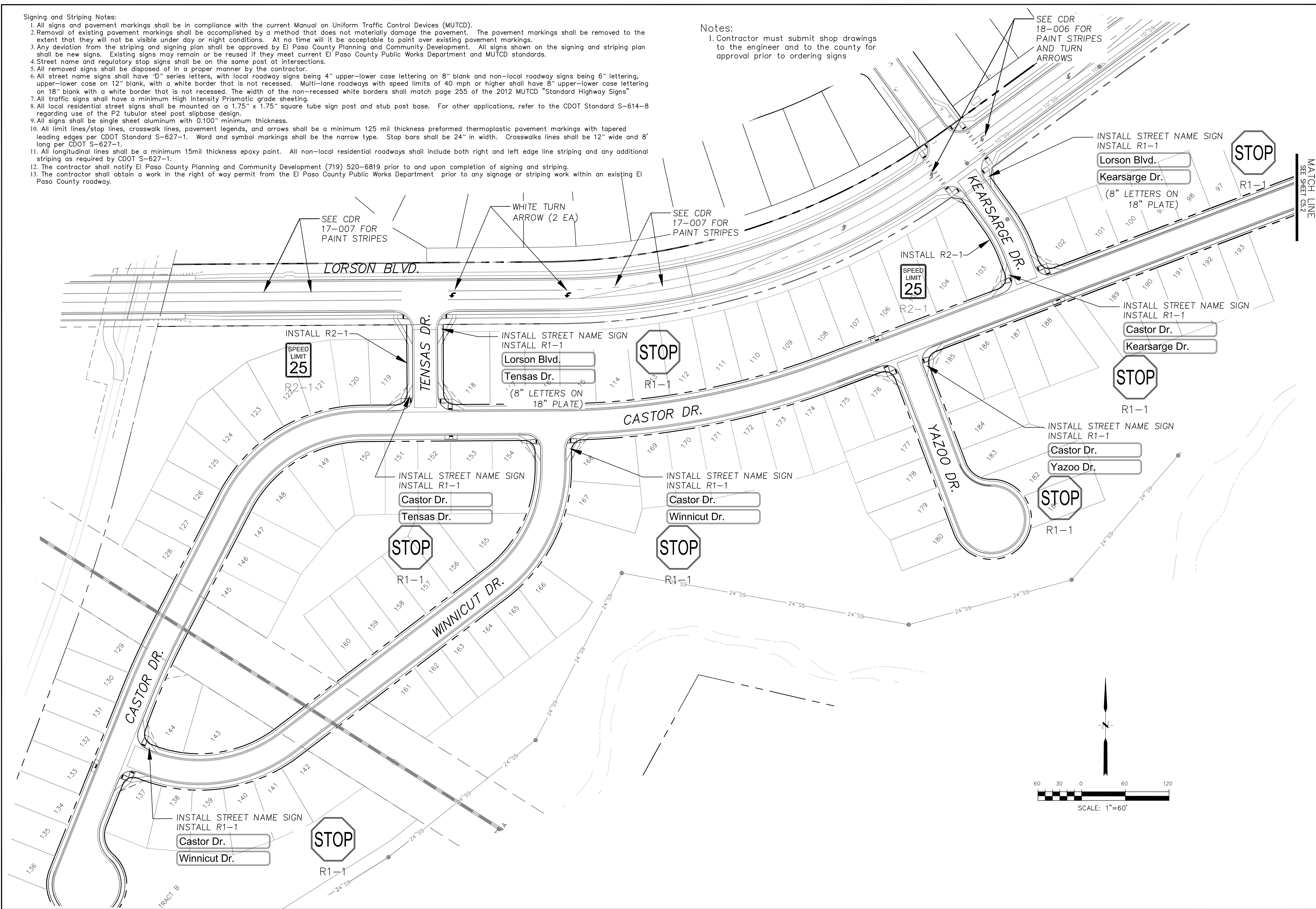
TOTAL SHEETS: 34

Signing and Striping Notes:

1. All signs and pavement markings shall be in compliance with the current Manual on Uniform Traffic Control Devices (MUTCD).
2. Removal of existing pavement markings shall be accomplished by a method that does not materially damage the pavement. The pavement markings shall be removed to the extent that they will not be visible under day or night conditions. At no time will it be acceptable to paint over existing pavement markings.
3. Any deviation from the striping and signing plan shall be approved by El Paso County Planning and Community Development. All signs shown on the signing and striping plan shall be new signs. Existing signs may remain or be reused if they meet current El Paso County Public Works Department and MUTCD standards.
4. Street name and regulatory stop signs shall be on the same post at intersections.
5. All removed signs shall be disposed of in a proper manner by the contractor.
6. All street name signs shall have "D" series letters, with local roadway signs being 4" upper-lower case lettering on 8" blank and non-local roadway signs being 6" lettering, upper-lower case on 12" blank, with a white border that is not recessed. Multi-lane roadways with speed limits of 40 mph or higher shall have 8" upper-lower case lettering on 18" blank with a white border that is not recessed. The width of the non-recessed white borders shall match page 255 of the 2012 MUTCD "Standard Highway Signs".
7. All traffic signs shall have a minimum High Intensity Prismatic grade sheeting.
8. All local residential street signs shall be mounted on a 1.75" x 1.75" square tube sign post and stub post base. For other applications, refer to the CDOT Standard S-614-8 regarding use of the P2 tubular steel post slipbase design.
9. All signs shall be single sheet aluminum with 0.100" minimum thickness.
10. All limit lines/stop lines, crosswalk lines, pavement legends, and arrows shall be a minimum 125 mil thickness preformed thermoplastic pavement markings with tapered leading edges per CDOT Standard S-627-1. Word and symbol markings shall be the narrow type. Stop bars shall be 24" in width. Crosswalks lines shall be 12" wide and 8' long per CDOT S-627-1.
11. All longitudinal lines shall be a minimum 15mil thickness epoxy paint. All non-local residential roadways shall include both right and left edge line striping and any additional striping as required by CDOT S-627-1.
12. The contractor shall notify El Paso County Planning and Community Development (719) 520-6819 prior to and upon completion of signing and striping.
13. The contractor shall obtain a work in the right of way permit from the El Paso County Public Works Department prior to any signage or striping work within an existing El Paso County roadway.

Notes:

1. Contractor must submit shop drawings to the engineer and to the county for approval prior to ordering signs



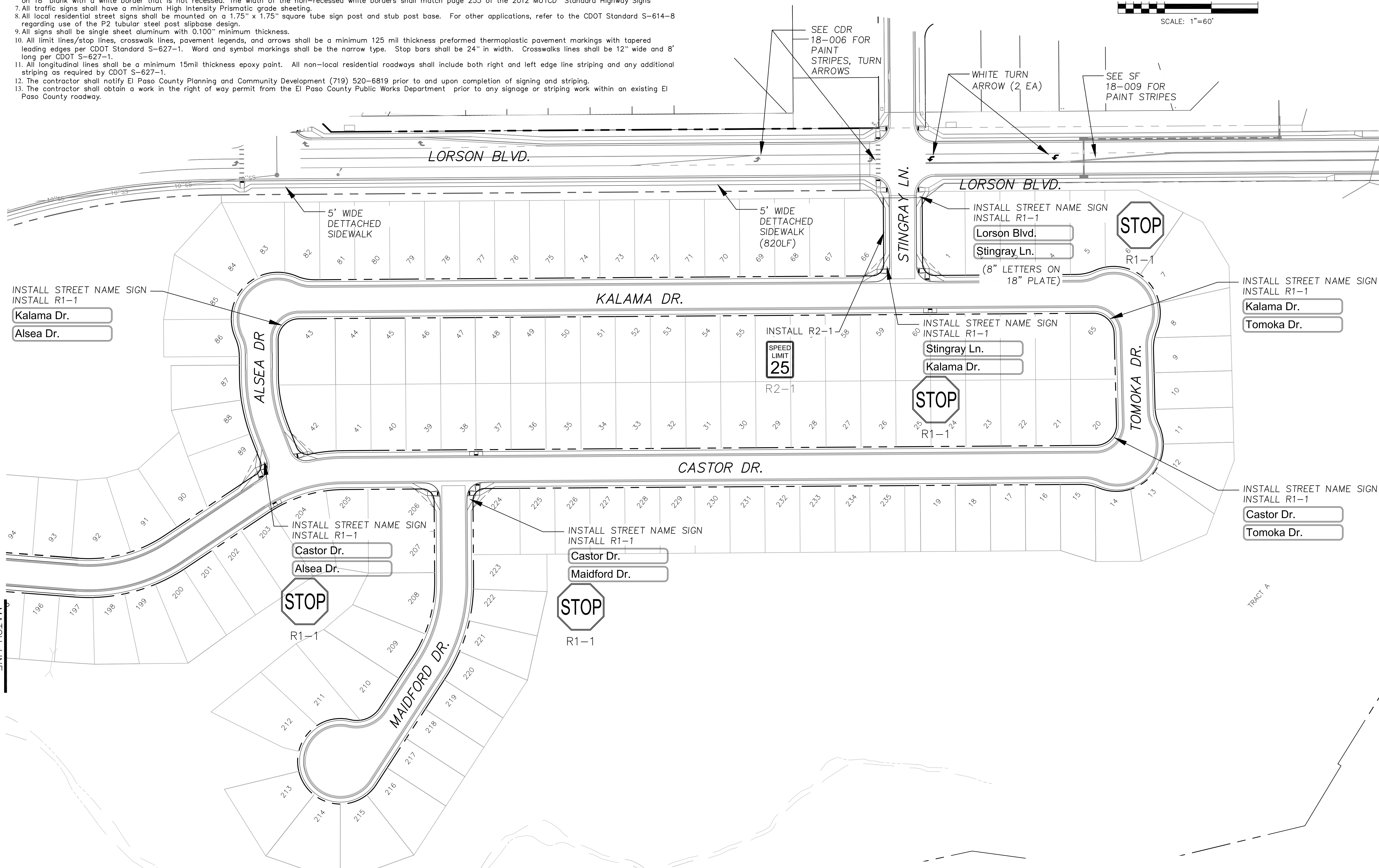
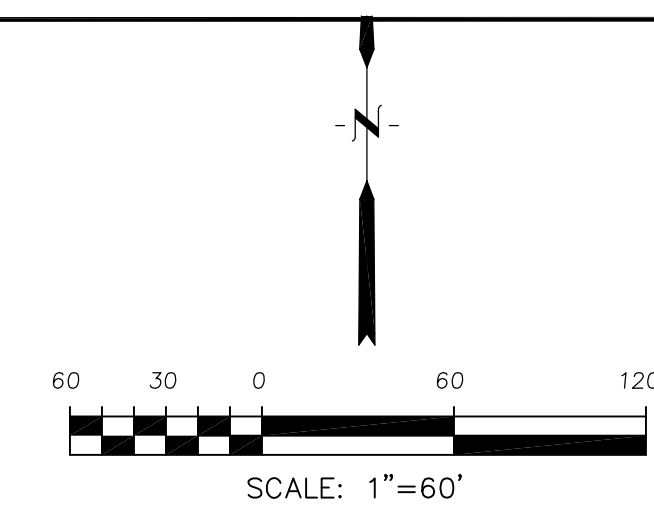
<p>CORE ENGINEERING GROUP 15004 1ST AVENUE S.E. P.O. BOX 55506 PH: 719 570 1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@cegi.com</p>		DATE:
		<p>APRIL 15, 2019</p>
<p>PROJECT FOR: LORSON, LLC 212 N. WAHSATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK</p>		DESCRIPTION:
		<p>SIGNING AND STRIPING PLAN</p>
<p>PROJECT: CREEKSIDE AT LORSON RANCH RANCH FILING NO. 1 RANCH BLVD, KEARSARGE, OR COLORADO SPRINGS, COLORADO</p>		DRAWN: RLS
		DESIGNED: RLS
<p>SIGNING AND STRIPING PLAN</p> <p>CREEKSIDE AT LORSON RANCH FILING NO. 1</p>		CHECKED: RLS
		<p>SCALE: 1"=60'</p>
<p>TOTAL SHEETS: 34</p>		<p>SHEET NUMBER C5.1</p>

Signing and Striping Notes:

- All signs and pavement markings shall be in compliance with the current Manual on Uniform Traffic Control Devices (MUTCD).
- Removal of existing pavement markings shall be accomplished by a method that does not materially damage the pavement. The pavement markings shall be removed to the extent that they will not be visible under day or night conditions. At no time will it be acceptable to paint over existing pavement markings.
- Any deviation from the striping and signing plan shall be approved by El Paso County Planning and Community Development. All signs shown on the signing and striping plan shall be new signs. Existing signs may remain or be reused if they meet current El Paso County Public Works Department and MUTCD standards.
- Street name and regulatory stop signs shall be on the same post at intersections.
- All removed signs shall be disposed of in a proper manner by the contractor.
- All street name signs shall have "D" series letters, with local roadway signs being 4" upper-lower case lettering on 8" blank and non-local roadway signs being 6" lettering, upper-lower case on 12" blank, with a white border that is not recessed. Multi-lane roadways with speed limits of 40 mph or higher shall have 8" upper-lower case lettering on 18" blank with a white border that is not recessed. The width of the non-recessed white borders shall match page 255 of the 2012 MUTCD "Standard Highway Signs"
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- All signs shall be single sheet aluminum with 0.100" minimum thickness.
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- The contractor shall notify El Paso County Planning and Community Development (719) 520-6819 prior to and upon completion of signing and striping.
- The contractor shall obtain a work in the right of way permit from the El Paso County Public Works Department prior to any signage or striping work within an existing El Paso County roadway.

Notes:

- Contractor must submit shop drawings to the engineer and to the county for approval prior to ordering signs



CORE ENGINEERING GROUP
 15004 1ST AVENUE, S.E.
 SUITE 300
 P.O. BOX 719 570 1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO: _____
 PROJECT: CREEKSIDE AT LORSON RANCH FILING NO. 1
 RANCH FILING NO. 1
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

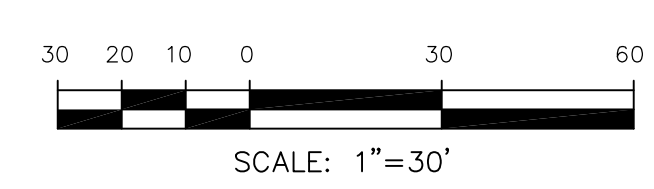
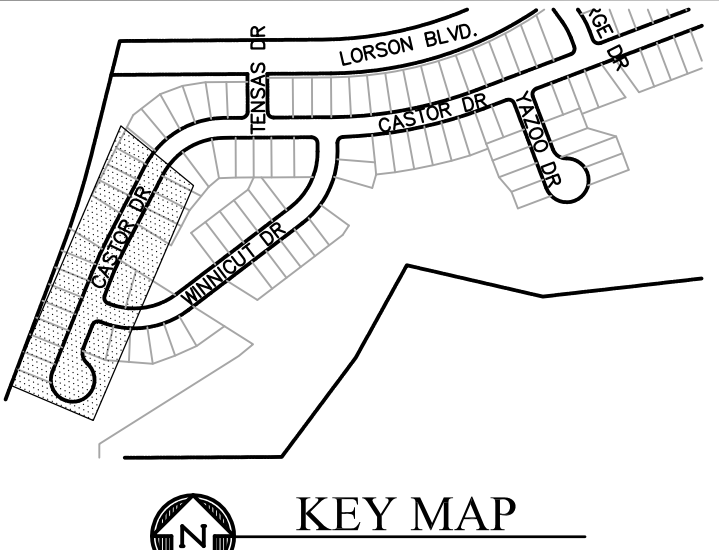
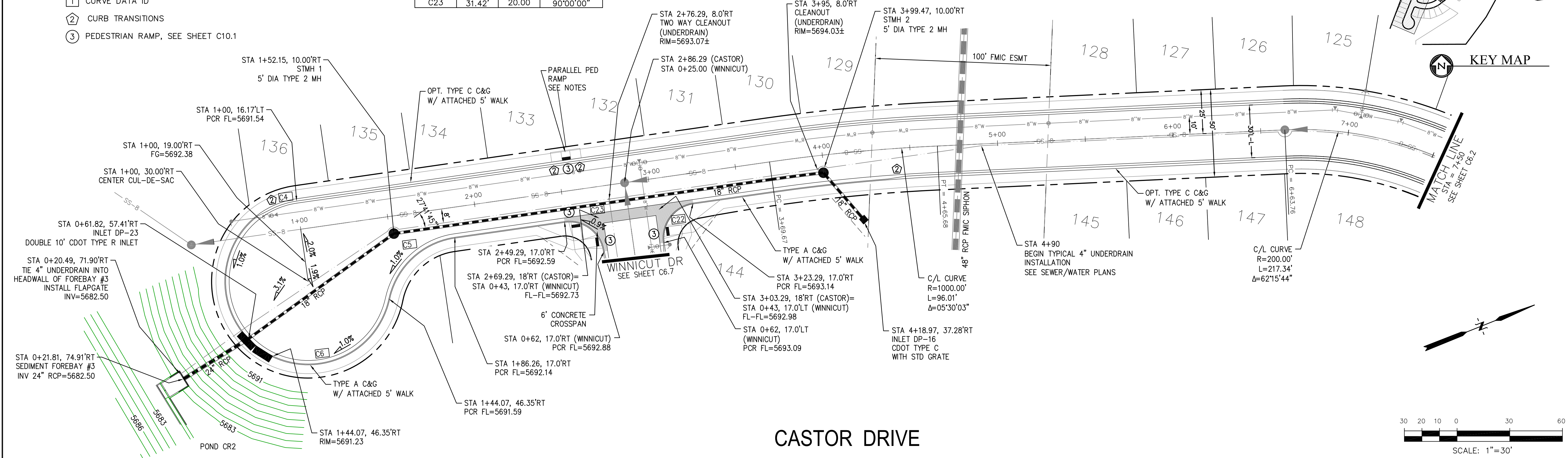
**SIGNING AND STRIPING PLAN
 INCLUDING LORSON BLVD SIDEWALK
 CREEKSIDE AT LORSON RANCH FIL NO. 1**

DATE: APRIL 15, 2019
 PROJECT NO. 100.045
 SHEET NUMBER C5.2
 TOTAL SHEETS: 34

- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- 1 CURVE DATA ID
- 2 CURB TRANSITIONS
- 3 PEDESTRIAN RAMP, SEE SHEET C10.1

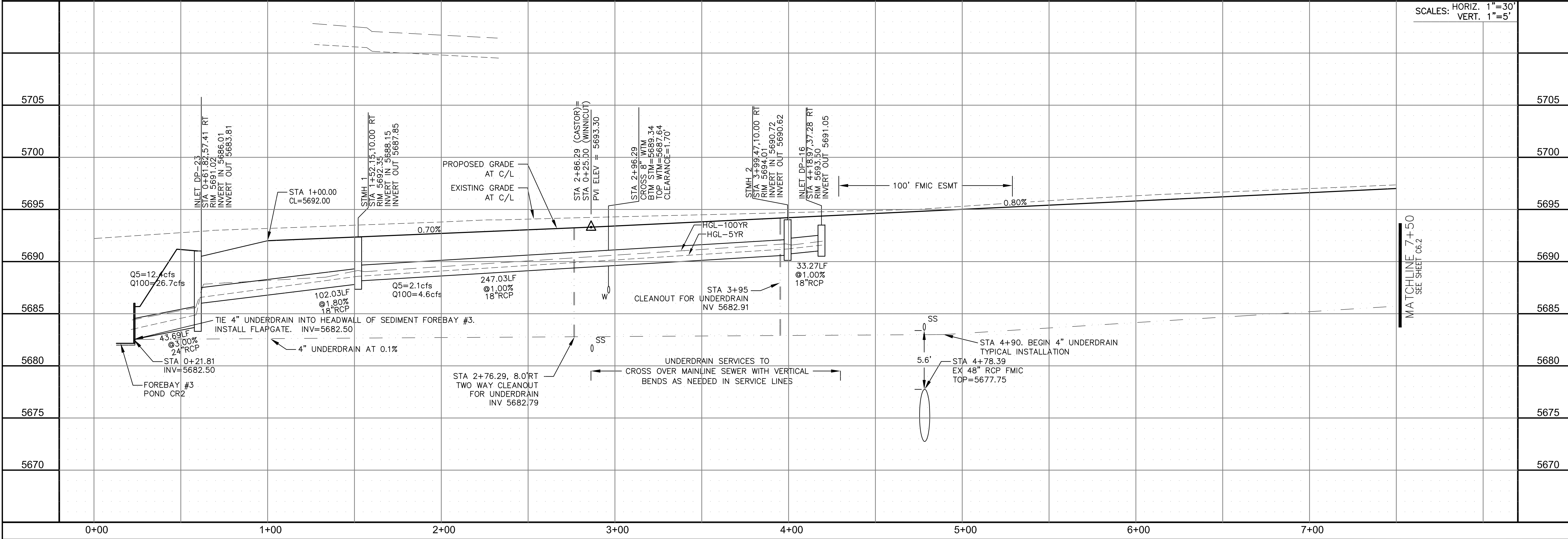
CURVE	LENGTH	RADIUS	DELTA
C4	13.76'	46.17	17°04'48"
C5	54.70'	45.00	69°38'44"
C6	180.70'	47.00	220°17'05"
C22	31.42'	20.00	90°00'00"
C23	31.42'	20.00	90°00'00"



CORE
ENGINEERING GROUP
 15004 1ST AVENUE S.
 BURNING WOOD, CO 80506
 PH: 719.576.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO: _____
 PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD. LEASING/DR
 COLORADO SPRINGS, COLORADO
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS



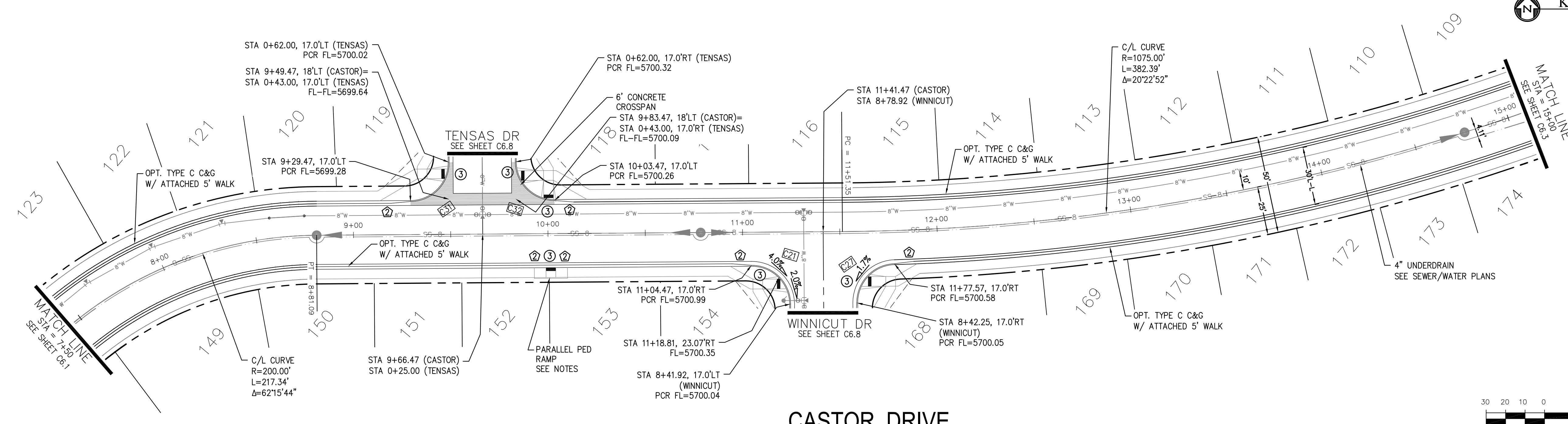
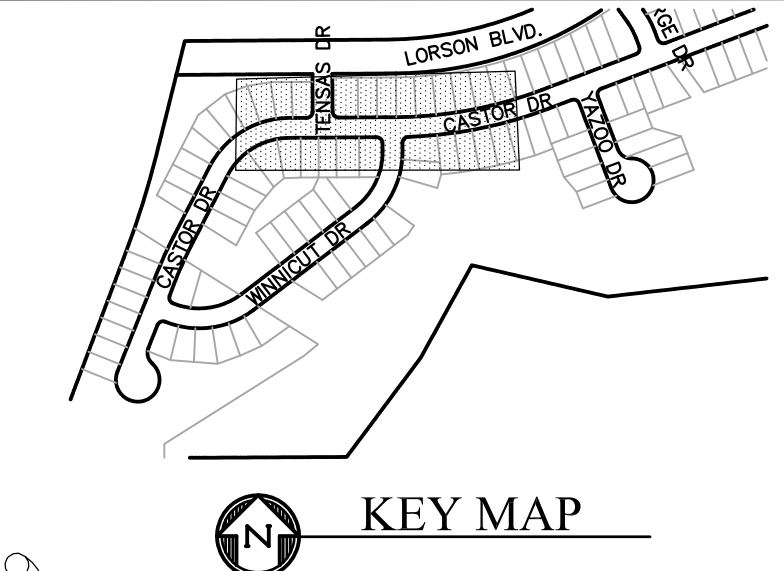
STREET/STORM
CASTOR DRIVE
STA 0+00 TO 7+50

DATE: APRIL 15, 2019
 PROJECT NO. 100.045
 SHEET NUMBER C6.1
 TOTAL SHEETS: 34

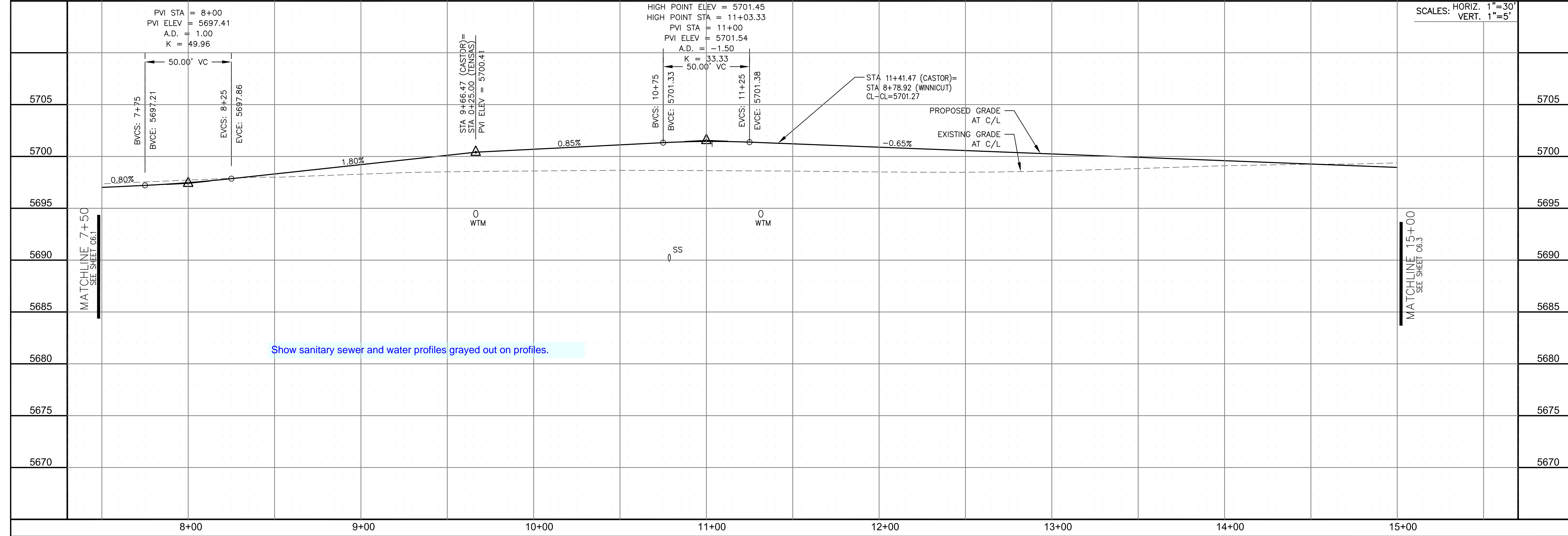
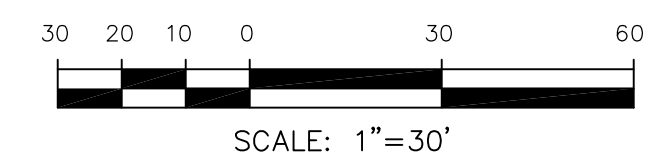
- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C21	31.42'	20.00	90°00'00"
C27	30.93'	20.00	88°36'10"
C31	31.42'	20.00	90°00'00"
C32	31.42'	20.00	90°00'00"



CASTOR DRIVE



Show sanitary sewer and water profiles grayed out on profiles.

CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BLDG 795701100
 BLDG 795701100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____

DESCRIPTION: _____

NO. _____

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 LORSON BLVD. TENSAS DR
 COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

STREET/STORM CASTOR DRIVE STA 7+50 TO 15+00

DATE: APRIL 15, 2019

PROJECT NO. 100.045

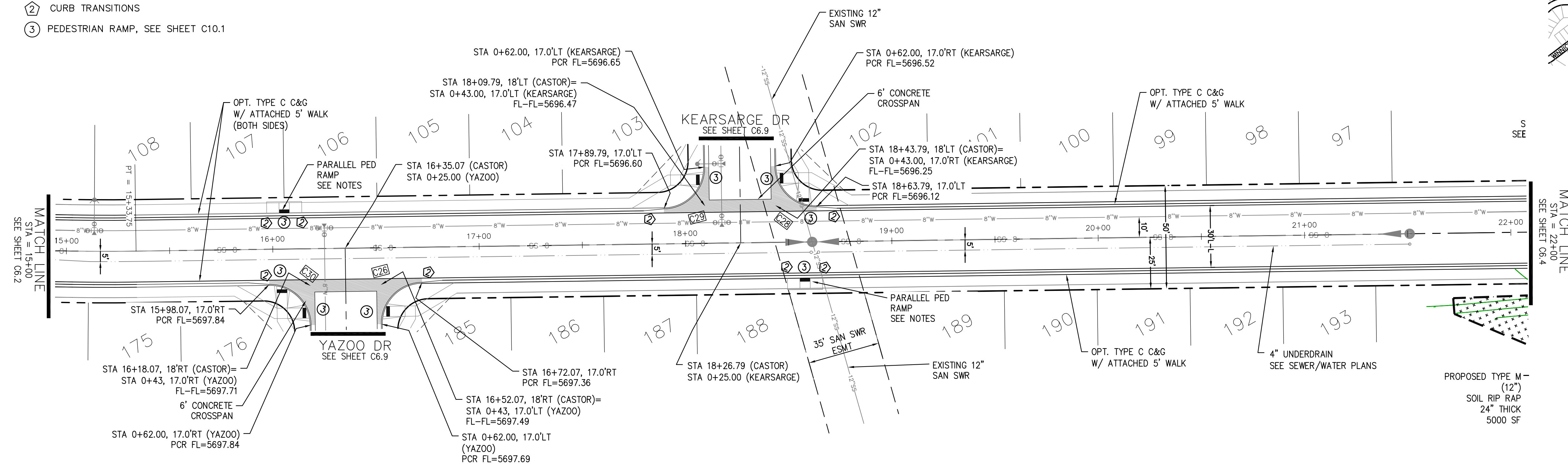
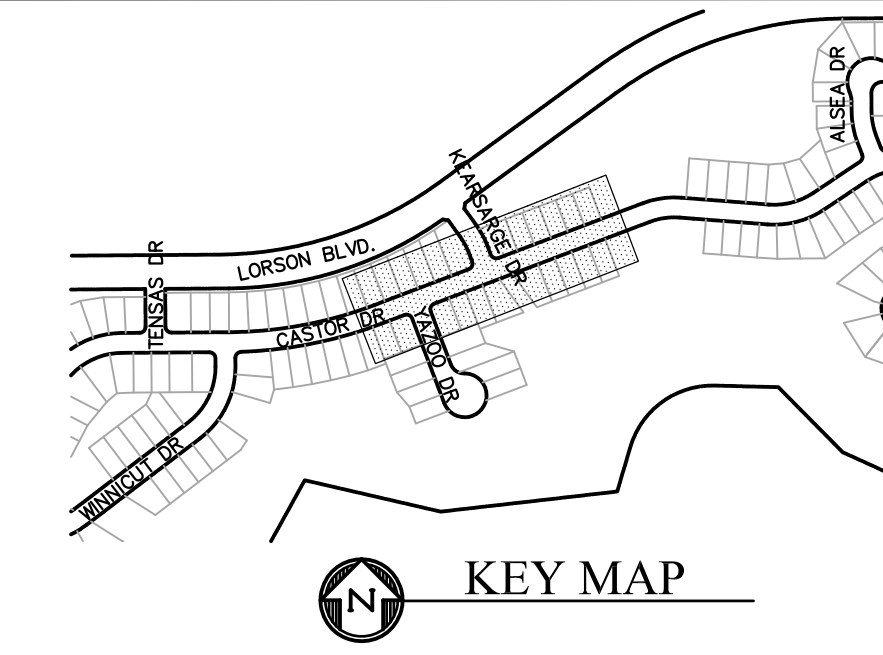
SHEET NUMBER C6.2

TOTAL SHEETS: 34

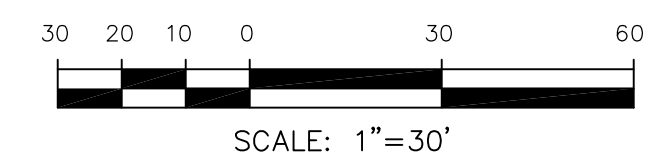
- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C26	31.42'	20.00	90°00'00"
C28	31.42'	20.00	90°00'00"
C29	31.42'	20.00	90°00'00"
C30	31.42'	20.00	90°00'00"



CASTOR DRIVE



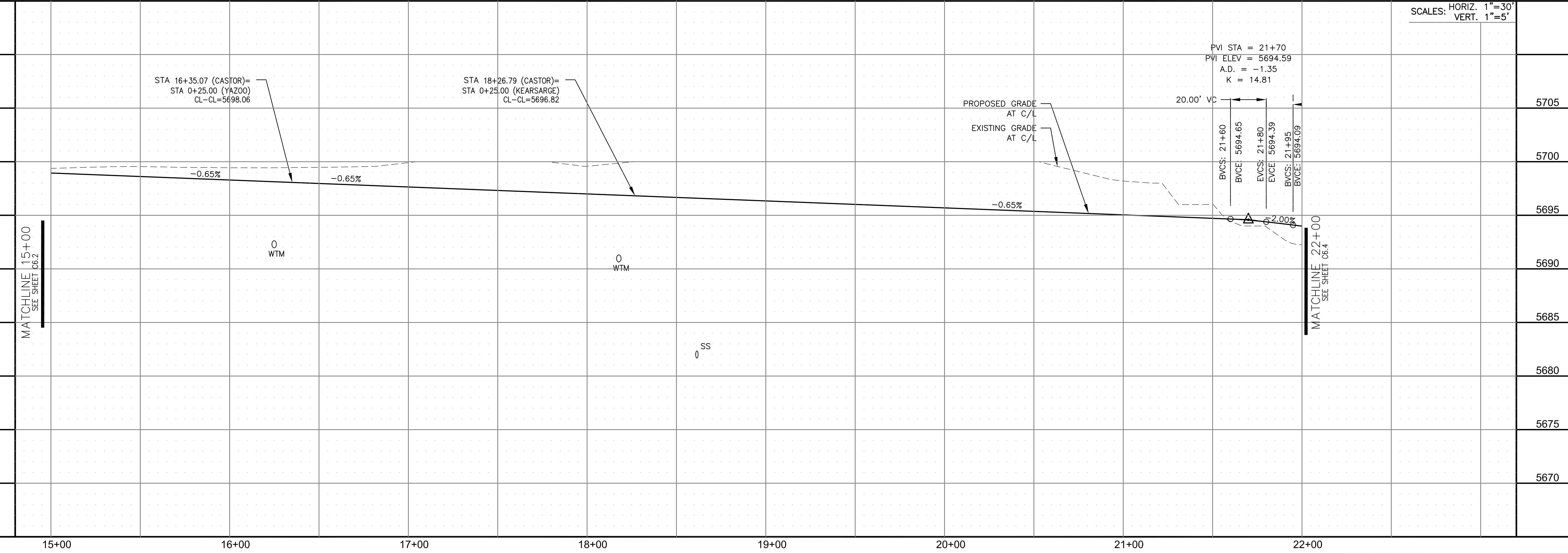
CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BIRMGHAM, AL 35206
 PH: 205 970 1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO. _____

PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD., KEARSARGE DR
 COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS



SCALES: HORIZ. 1"=30'
 VERT. 1"=5'

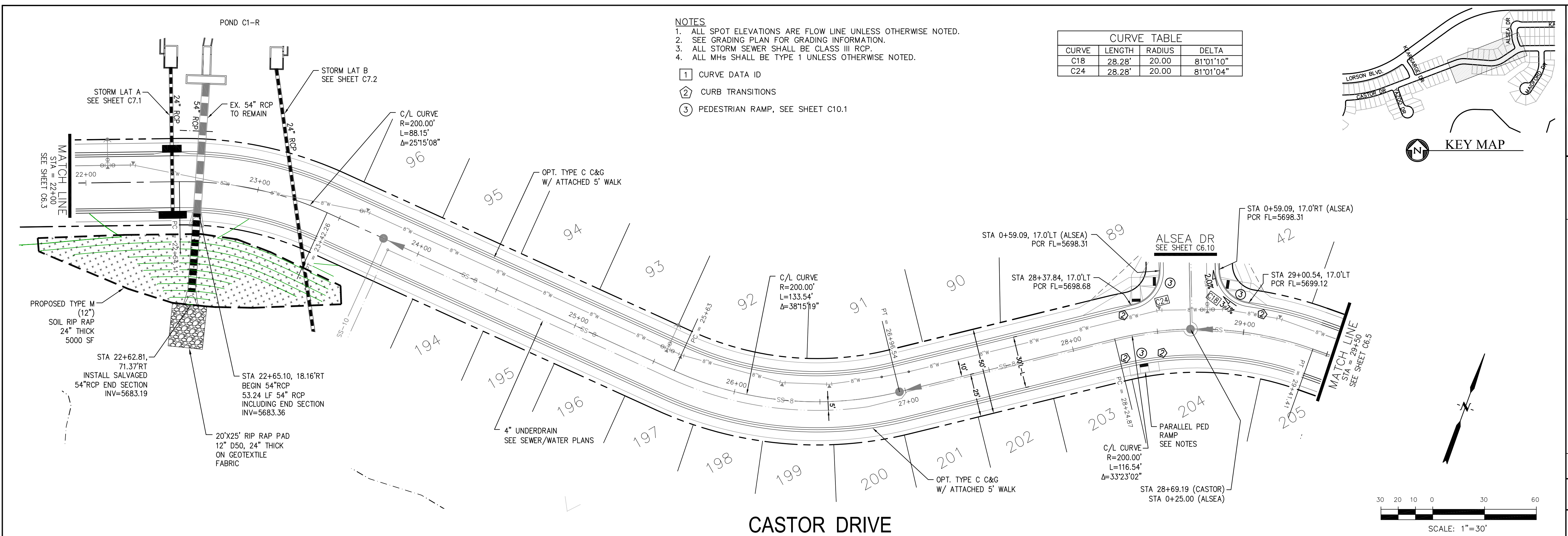
STREET/STORM
 CASTOR DRIVE
 STA 15+00 TO 22+00

DATE:
 APRIL 15, 2019

PROJECT NO.
 100.045

SHEET NUMBER
 C6.3

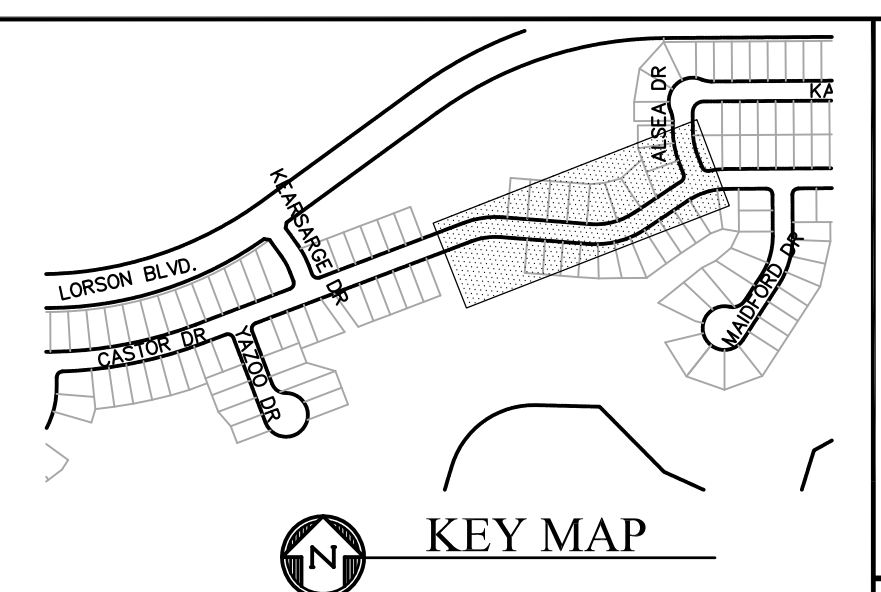
TOTAL SHEETS: 34



- NOTES**
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHs SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C18	28.28'	20.00	81°01'10"
C24	28.28'	20.00	81°01'04"

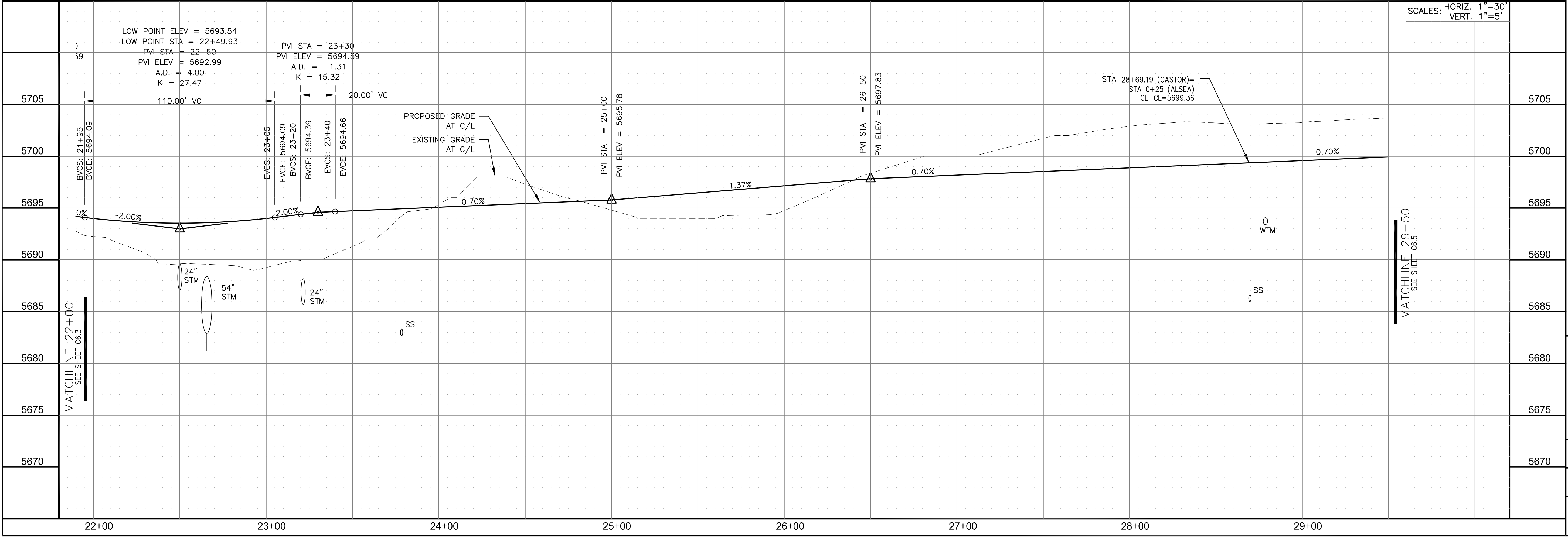


CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BIRMGHAM, AL 35206
 PH: 205 976 1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO. _____
 PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 LORSON BLVD. LEASING/DR
 COLORADO SPRINGS, COLORADO
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

CASTOR DRIVE



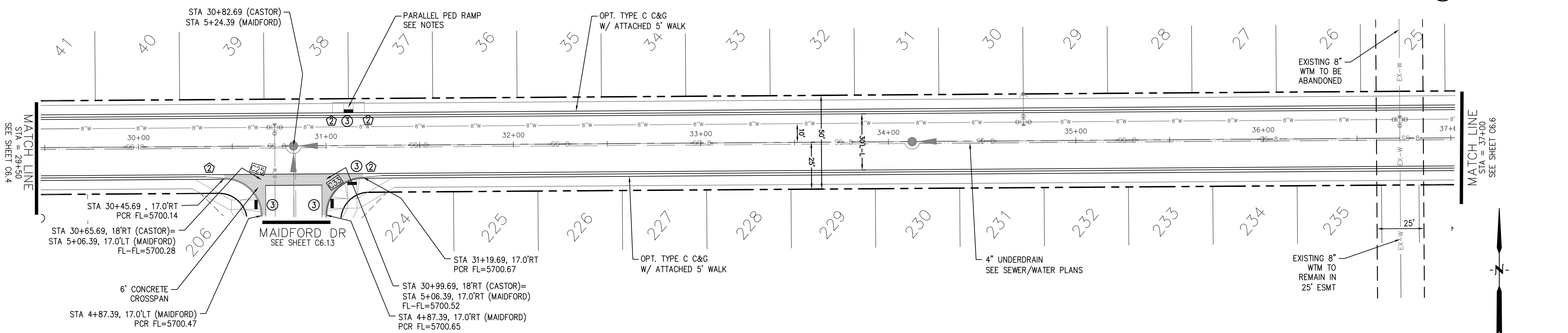
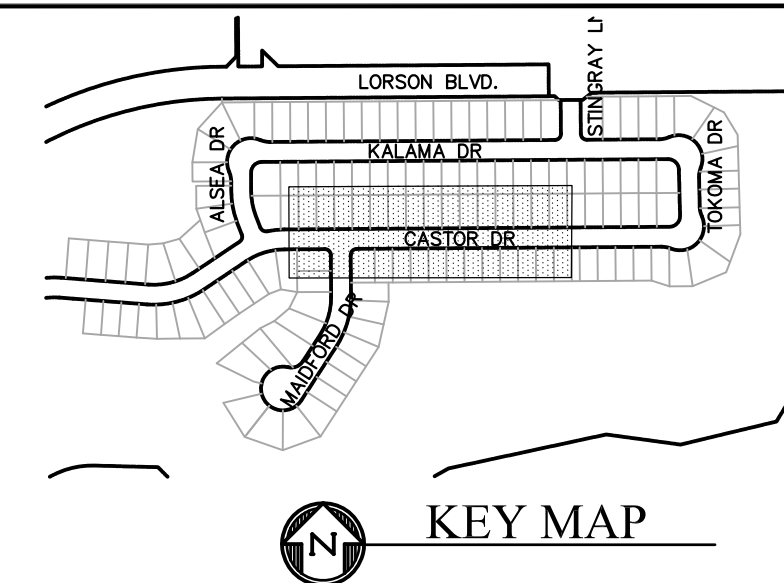
STREET/STORM
CASTOR DRIVE
STA 22+00 TO 29+50

DATE: APRIL 15, 2019
 PROJECT NO. 100.045
 SHEET NUMBER C6.4
 TOTAL SHEETS: 34

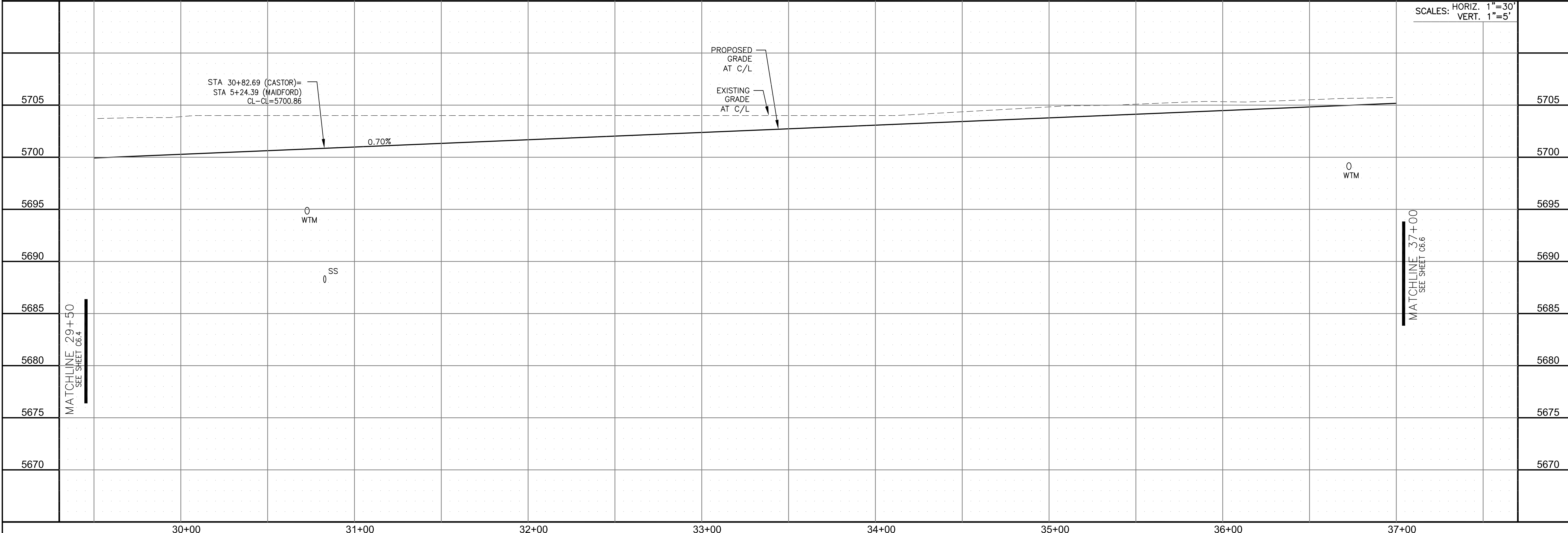
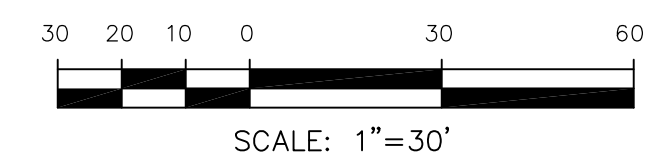
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C25	31.42'	20.00	89°59'59"
C33	31.42'	20.00	90°00'01"

- NOTES**
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1



CASTOR DRIVE



CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BIRMGHAM, AL 35206
 PH: 205 970 1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD, TEMPERANCE DR
 COLORADO SPRINGS, COLORADO

DATE: APRIL 15, 2019

PROJECT NO. 100.045

SHEET NUMBER C6.5

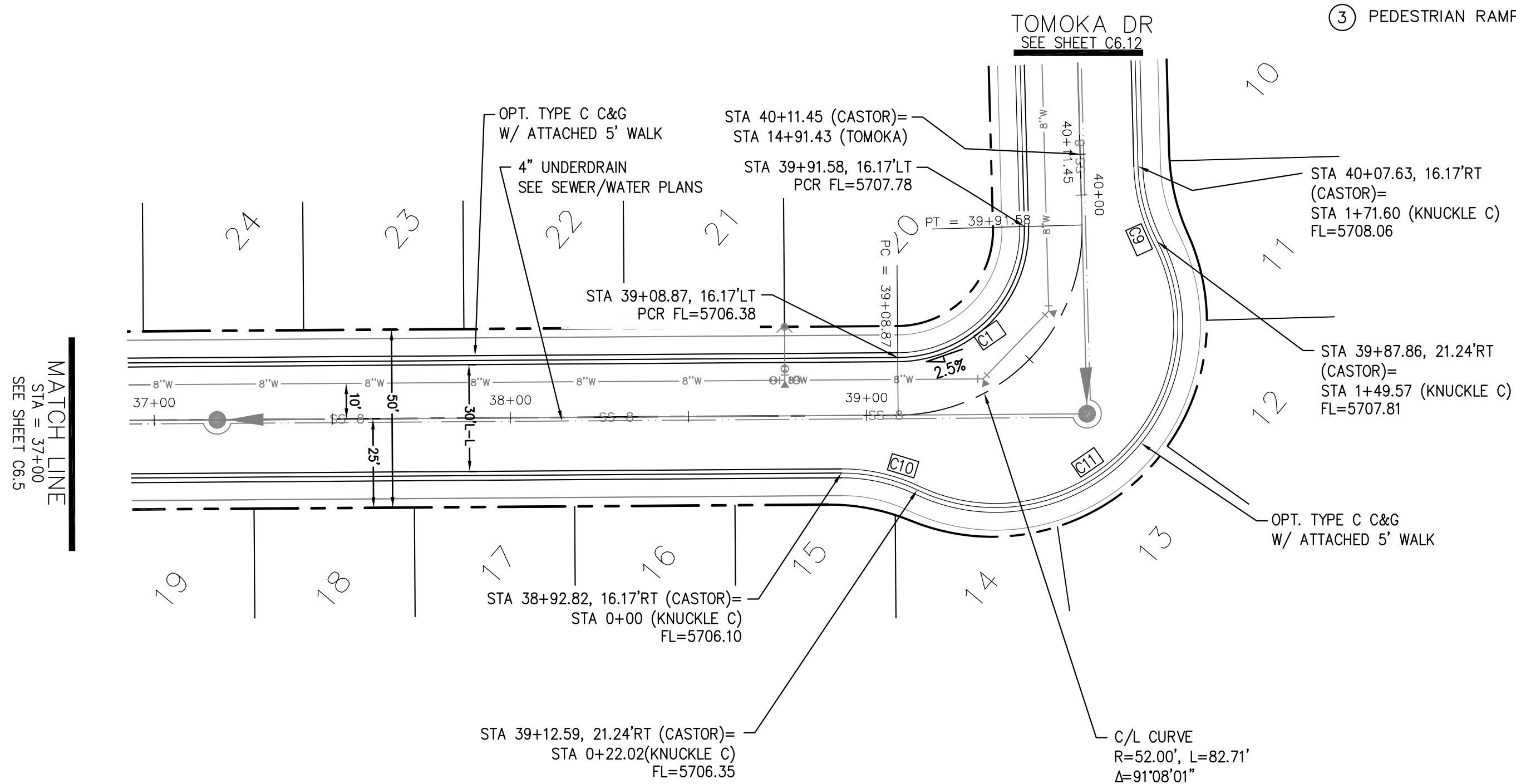
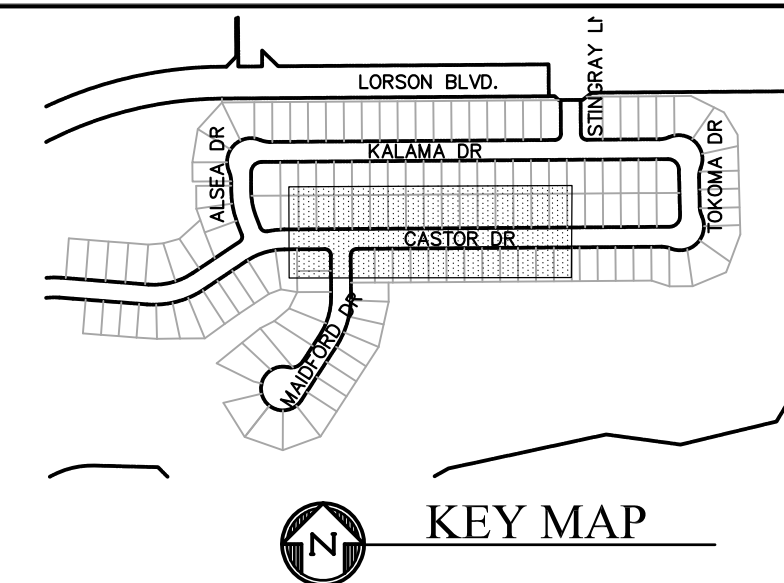
TOTAL SHEETS: 34

STREET/STORM
 CASTOR DRIVE
 STA 29+50 TO 37+00

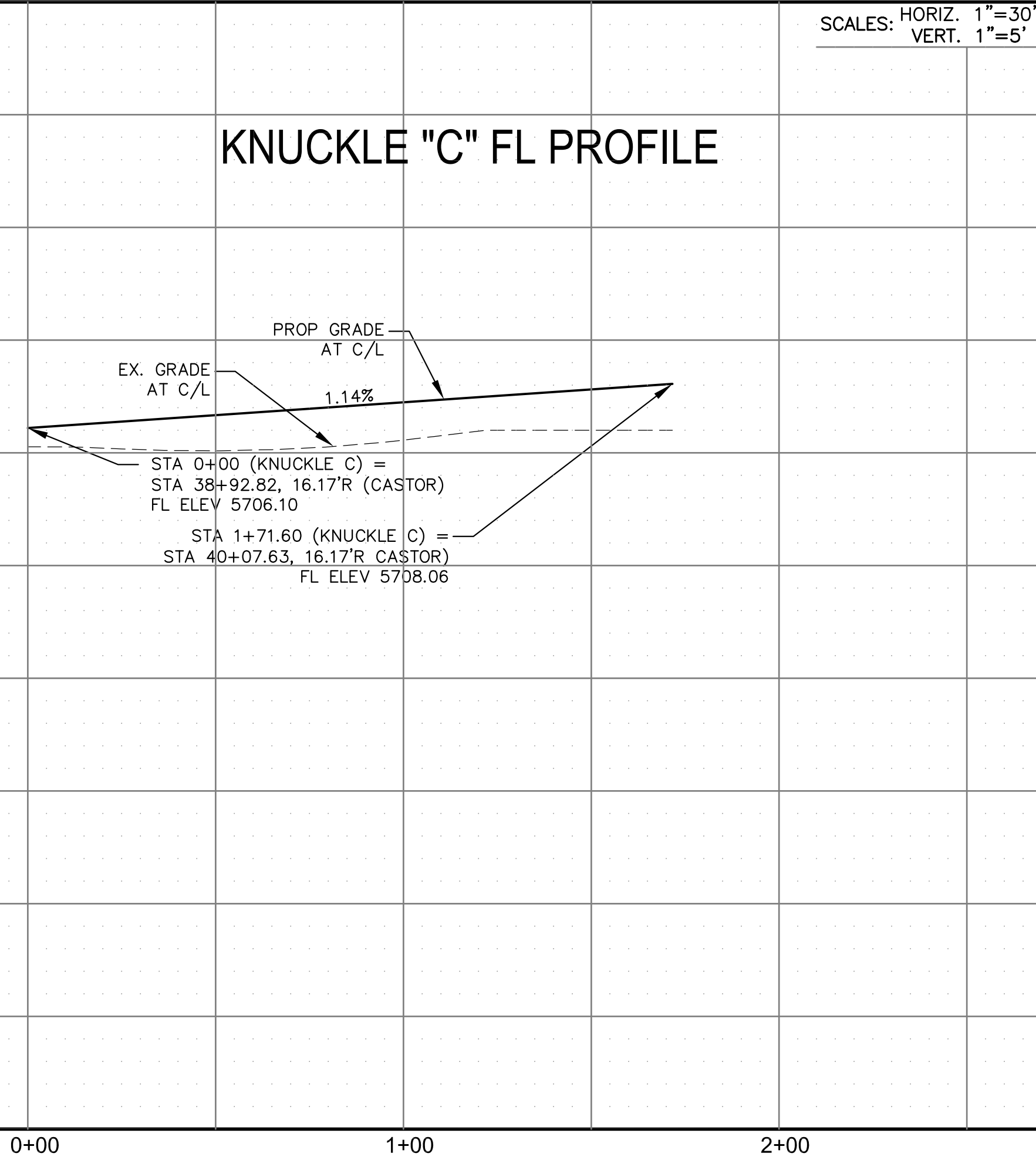
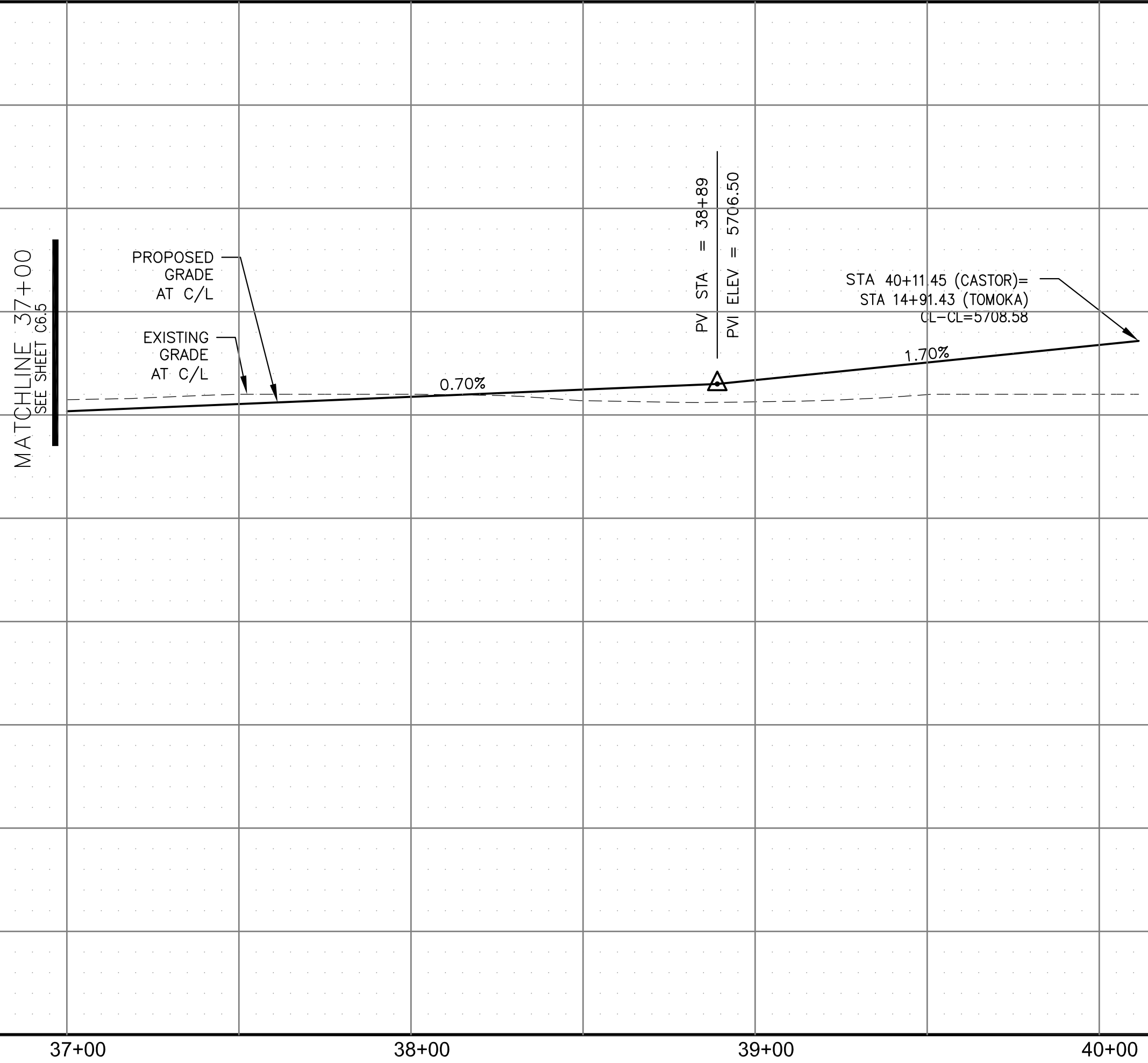
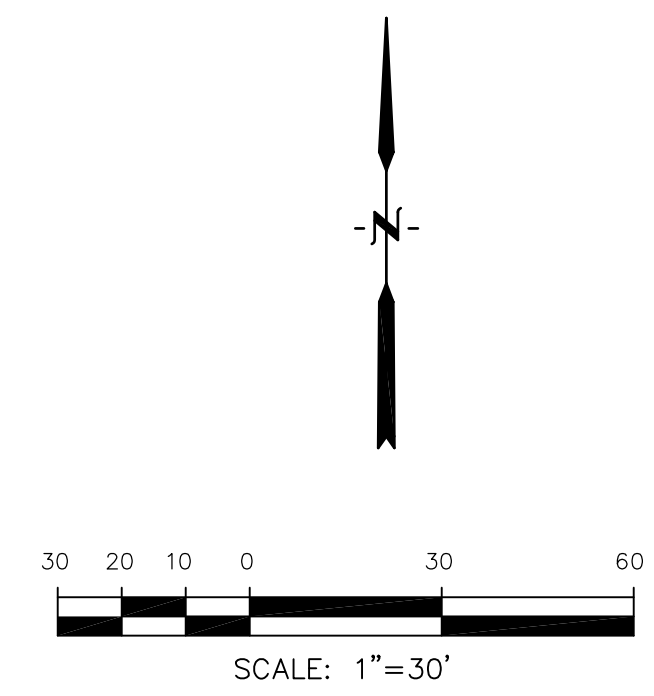
- NOTES**
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHs SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	56.99'	35.83	91°08'01"
C9	22.02'	48.83	25°50'31"
C10	22.02'	48.83	25°50'31"
C11	127.55'	51.17	142°49'03"



CASTOR DRIVE



CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BLDG 500
 P.O. BOX 5701100
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____

DESCRIPTION: _____

NO. _____

PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 LORSON BLVD. LEASING DR
 COLORADO SPRINGS, COLORADO

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

STREET/STORM CASTOR DRIVE STA 37+00 TO 40+11

DATE: APRIL 15, 2019

PROJECT NO. 100.045

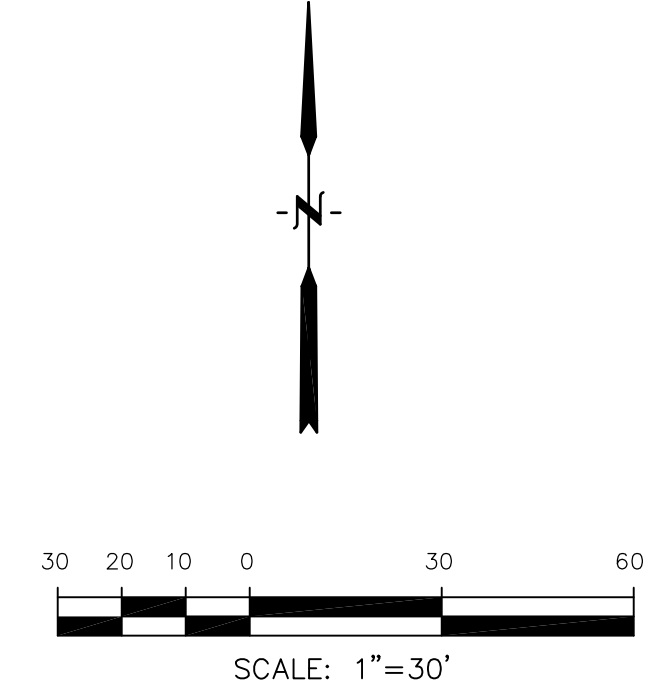
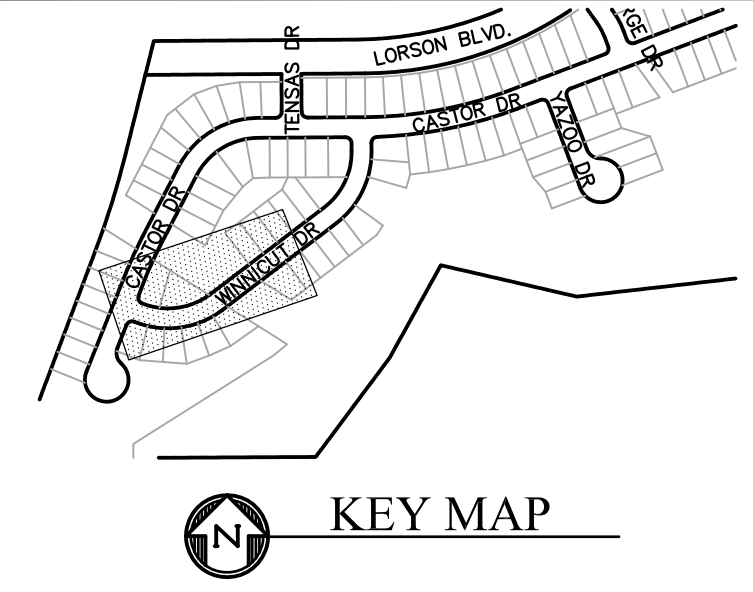
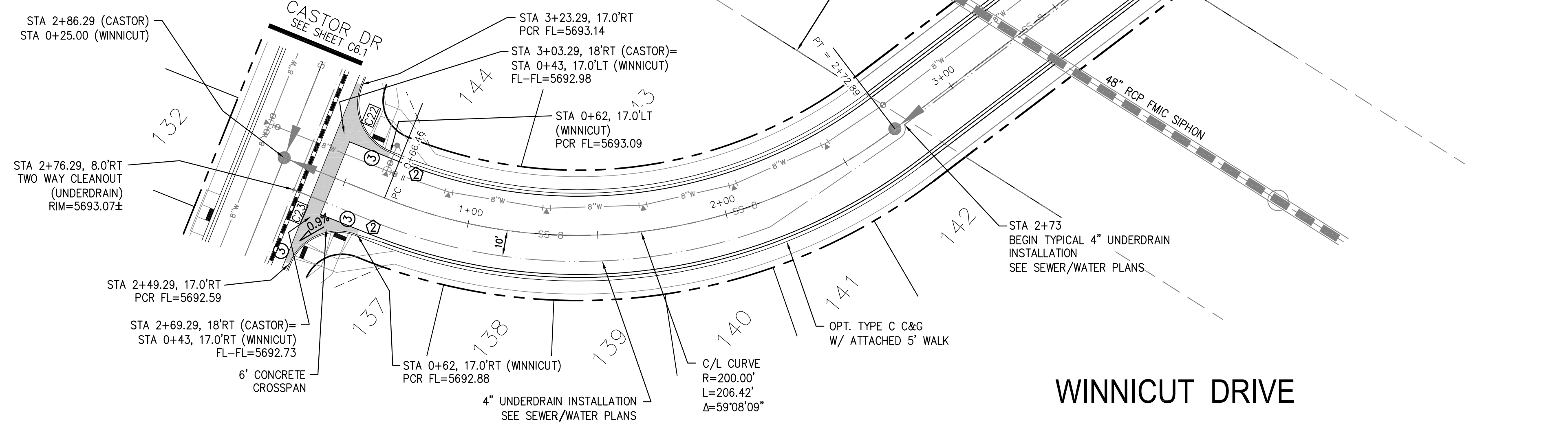
SHEET NUMBER C6.6

TOTAL SHEETS: 34

- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C22	31.42'	20.00	90°00'00"
C23	31.42'	20.00	90°00'00"



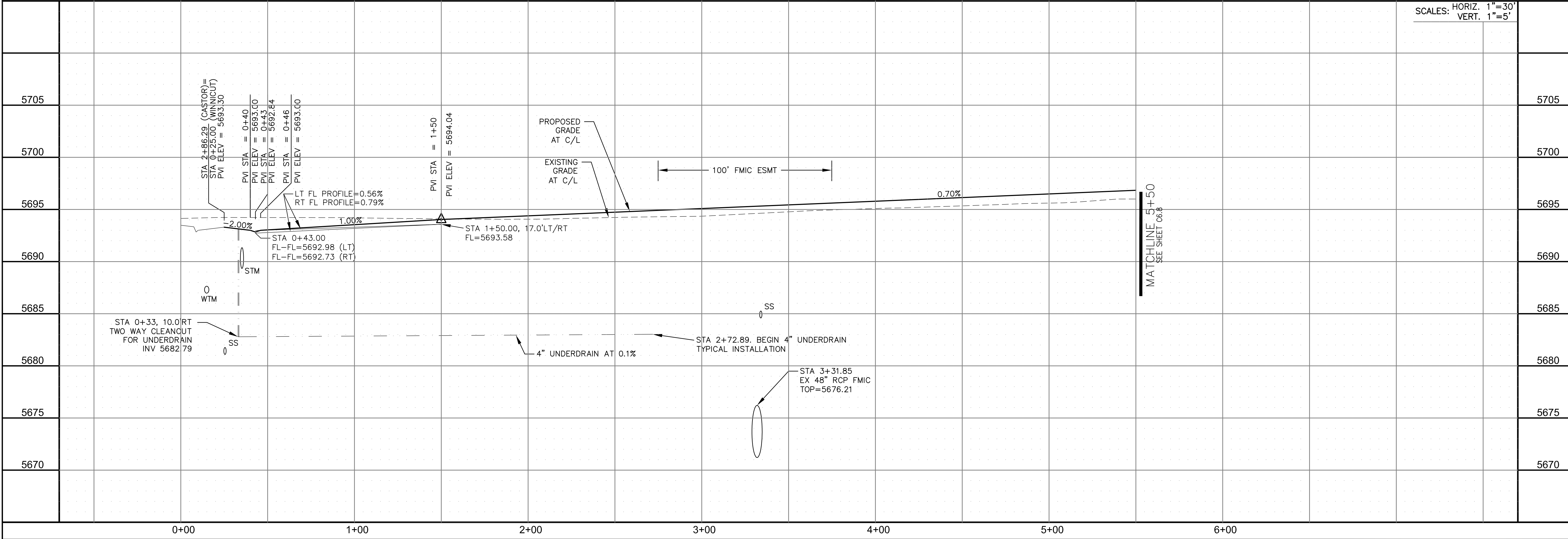
CORE
ENGINEERING GROUP
 15004 1ST AVENUE S.
 BIRCH CREEK, CO 80150
 PH: 303.779.5700
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO: _____

PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: (719) 635-3200
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

PROJECT:
CREEKSIDE AT LORSON
RANCH FILING NO. 1
 LORSON BLVD, WEAVER DR
 COLORADO SPRINGS, COLORADO



STREET/STORM
 WINNICUT DRIVE
 STA 0+00 TO 5+50

DATE:
 APRIL 15, 2019

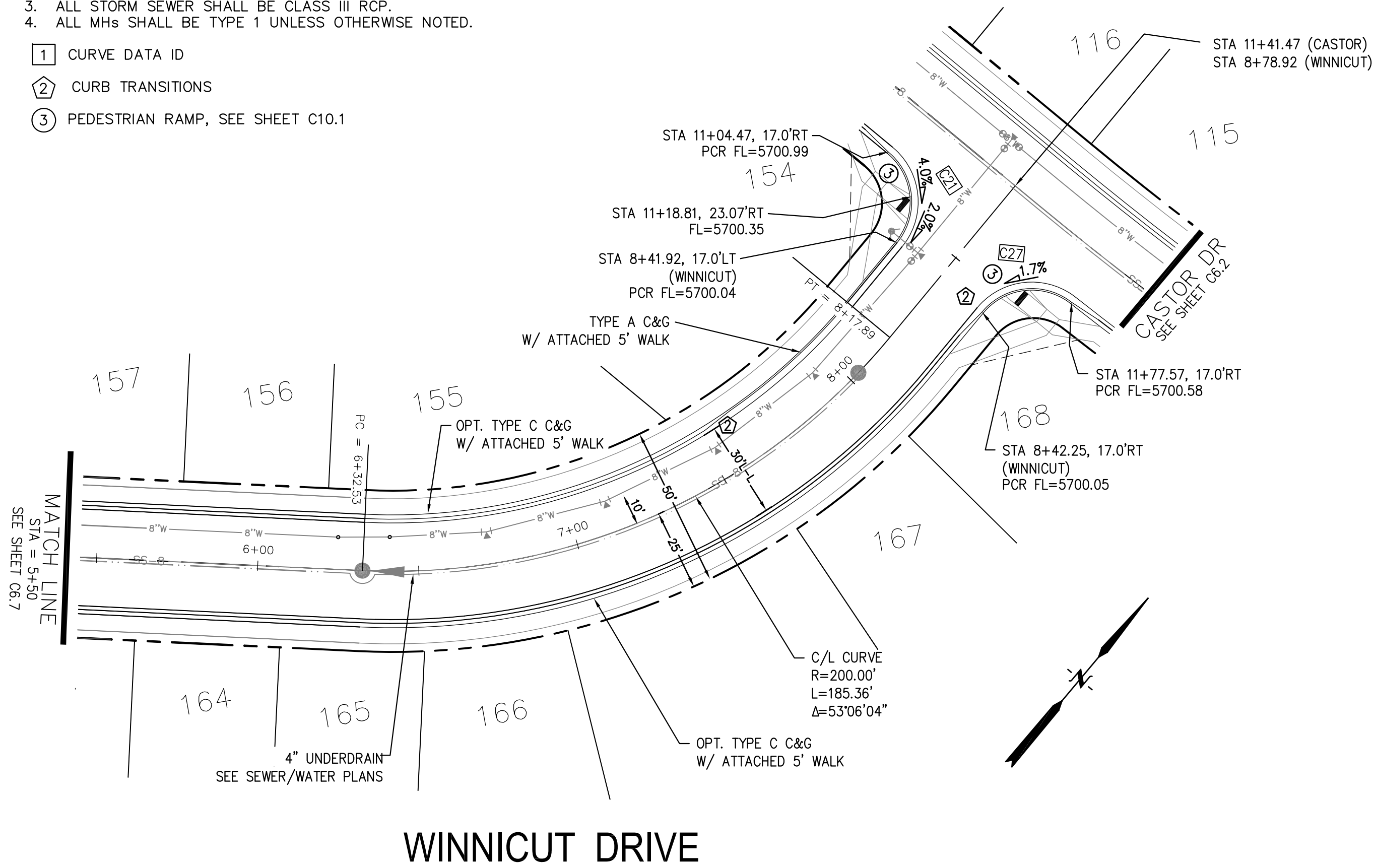
PROJECT NO.
 100.045

SHEET NUMBER
 C6.7

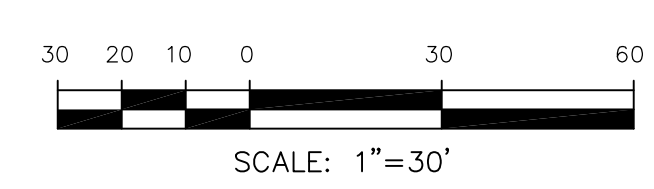
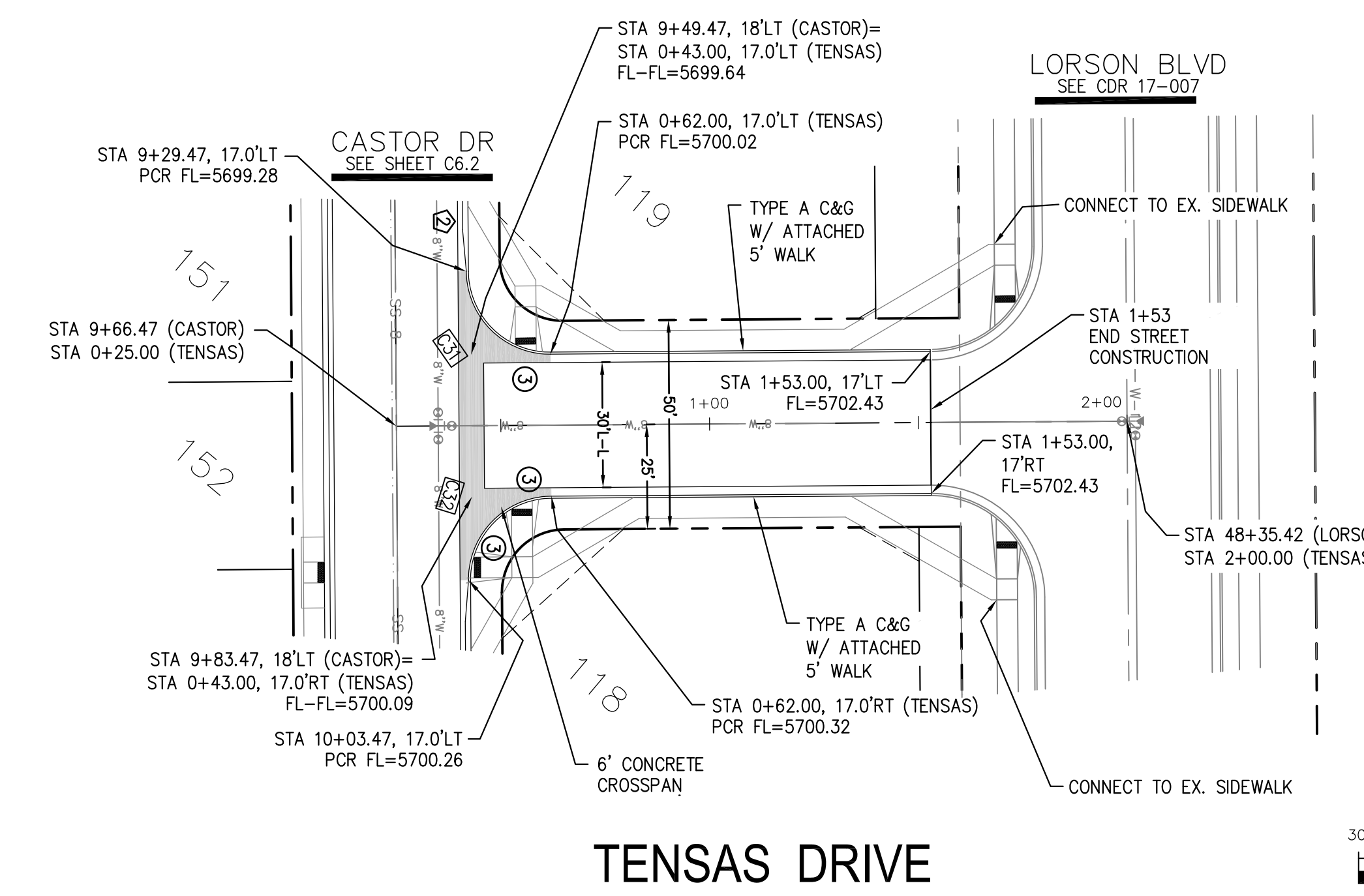
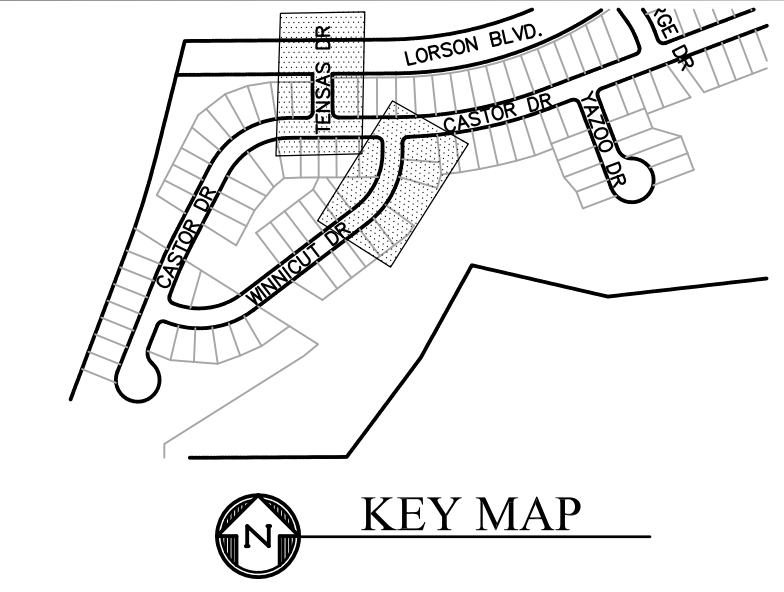
TOTAL SHEETS: 34

- NOTES
- ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 - SEE GRADING PLAN FOR GRADING INFORMATION.
 - ALL STORM SEWER SHALL BE CLASS III RCP.
 - ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1



CURVE	LENGTH	RADIUS	DELTA
C21	31.42'	20.00	90°00'00"
C27	30.93'	20.00	88°36'10"
C31	31.42'	20.00	90°00'00"
C32	31.42'	20.00	90°00'00"

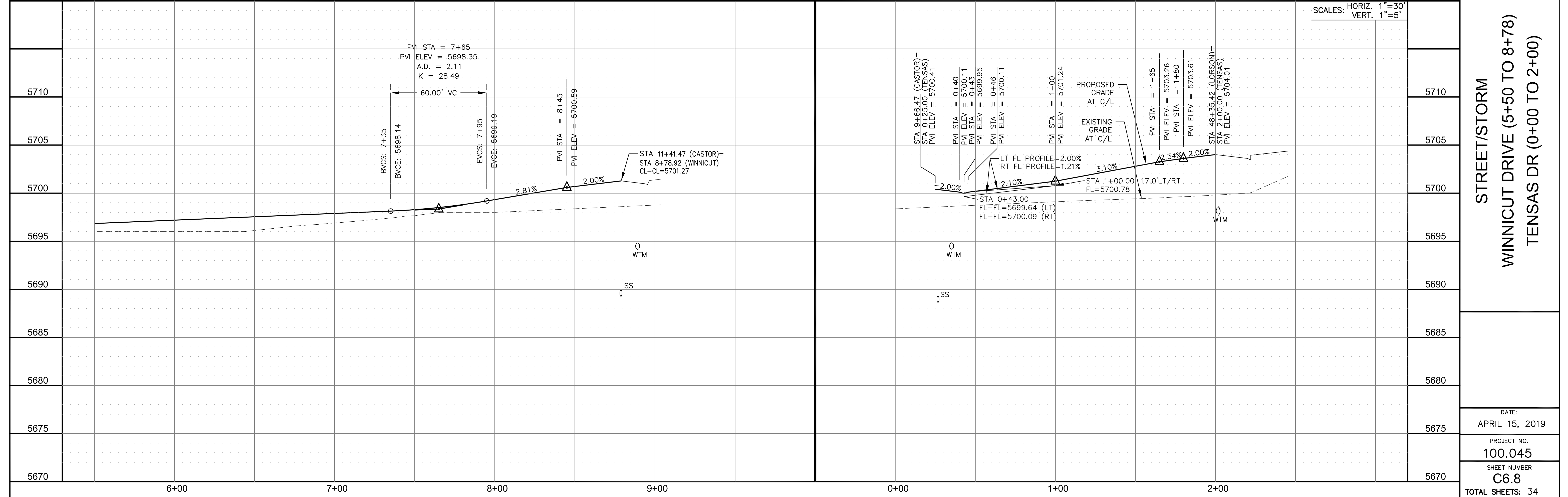


CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BLDG 790
 BLDG 790, SUITE 1100
 COLORADO SPRINGS, CO 80903
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO: _____
 DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

PROJECT: CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD, TENSAS DR
 COLORADO SPRINGS, COLORADO

PREPARED FOR: LORSON, LLC
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK



STREET/STORM

WINNICUT DRIVE (5+50 TO 8+78)

TENSAS DR (0+00 TO 2+00)

DATE: APRIL 15, 2019

PROJECT NO. 100.045

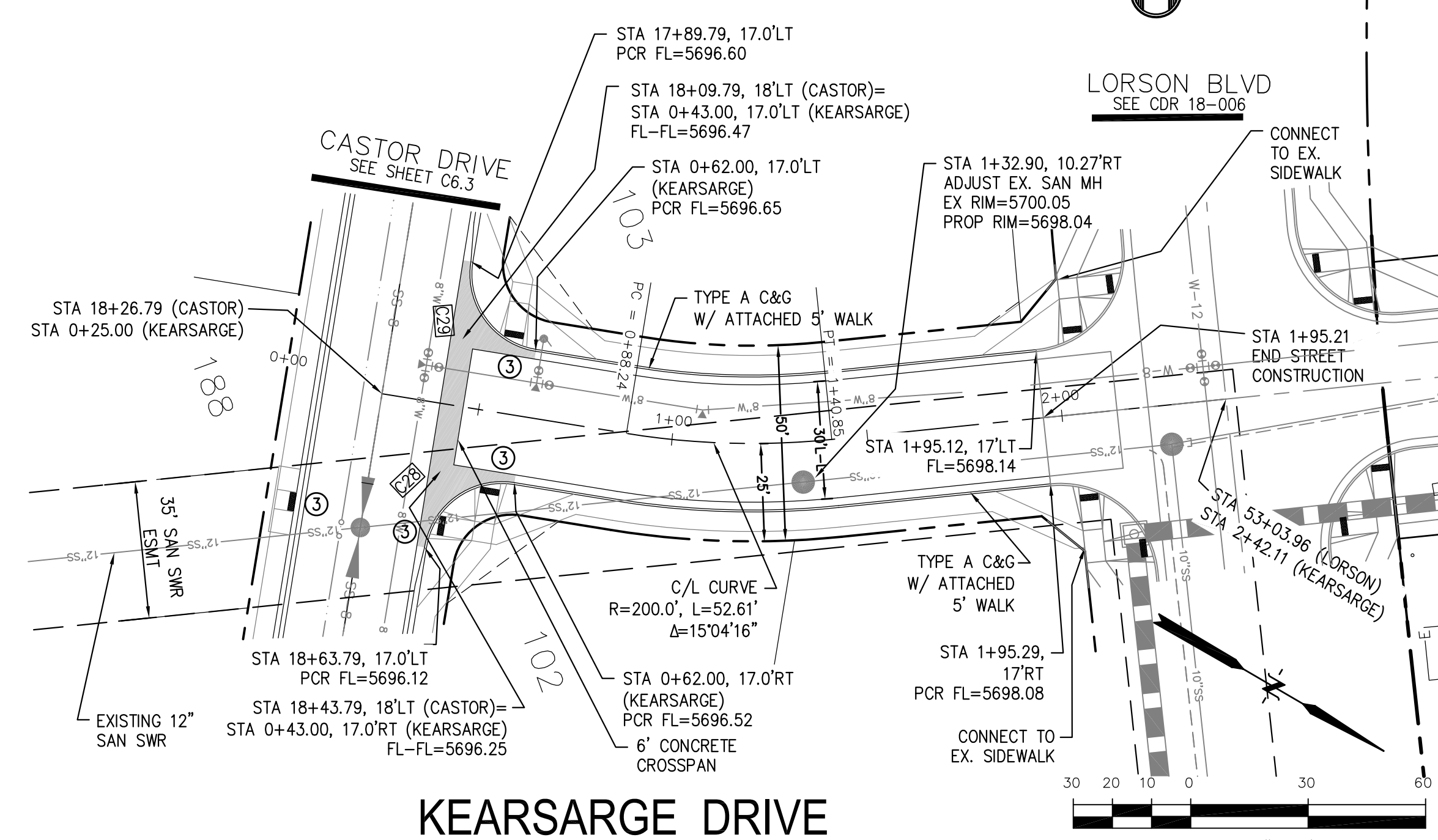
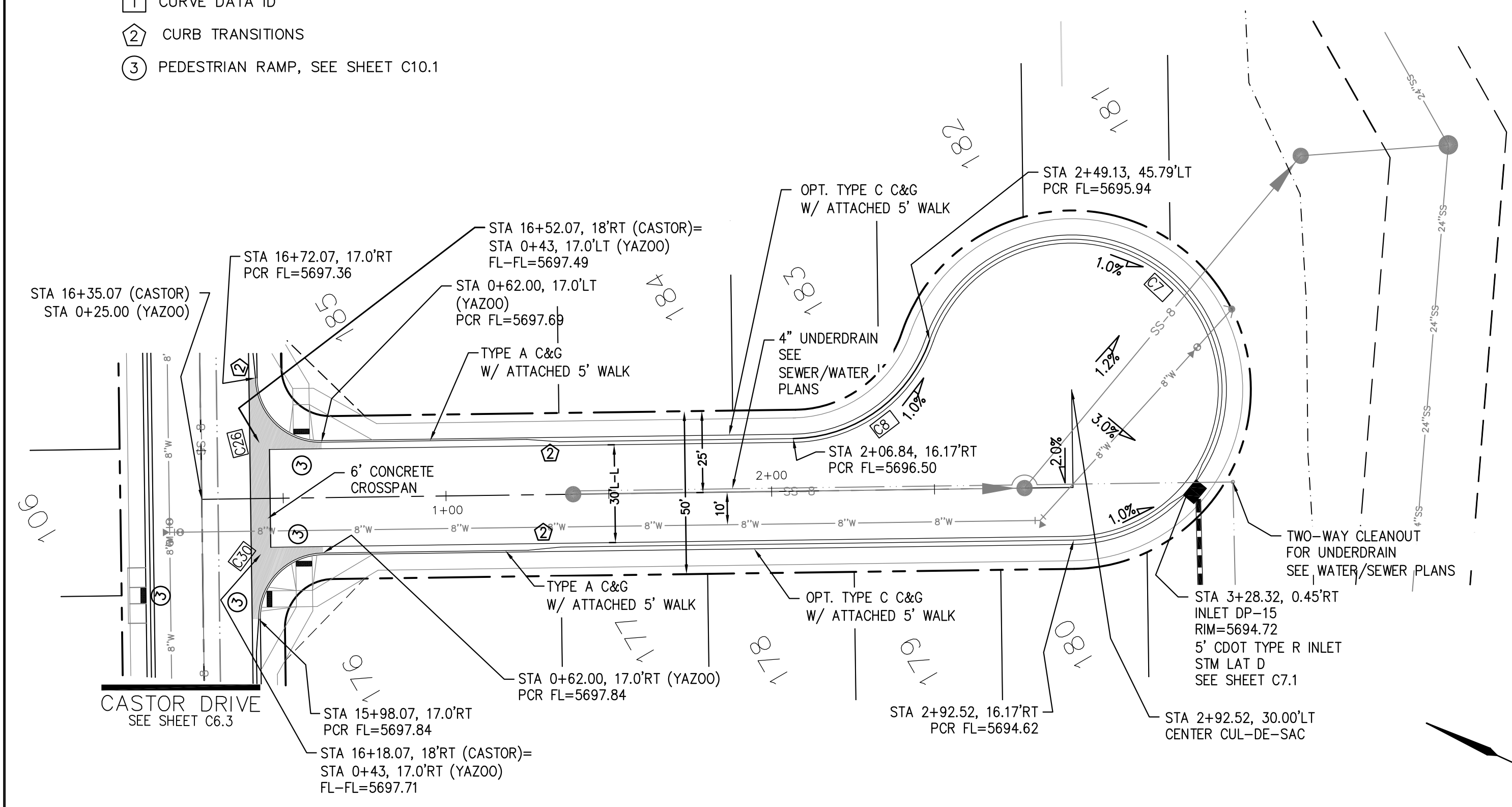
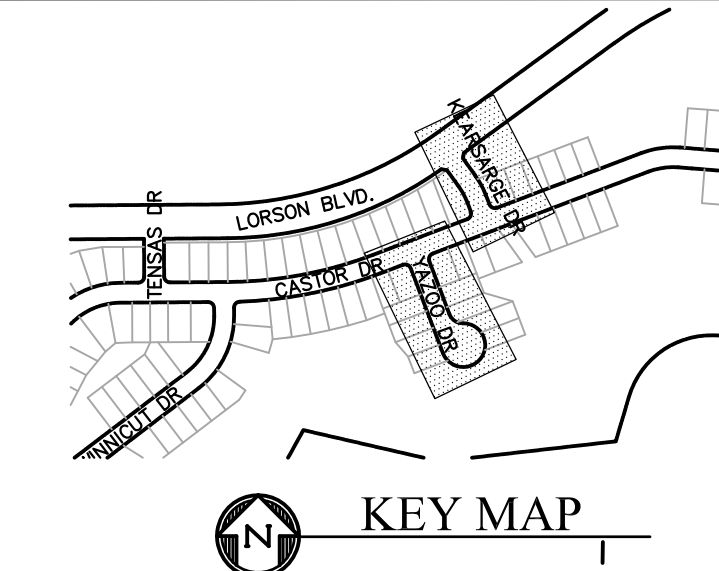
SHEET NUMBER C6.8

TOTAL SHEETS: 34

- NOTES
- ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 - SEE GRADING PLAN FOR GRADING INFORMATION.
 - ALL STORM SEWER SHALL BE CLASS III RCP.
 - ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

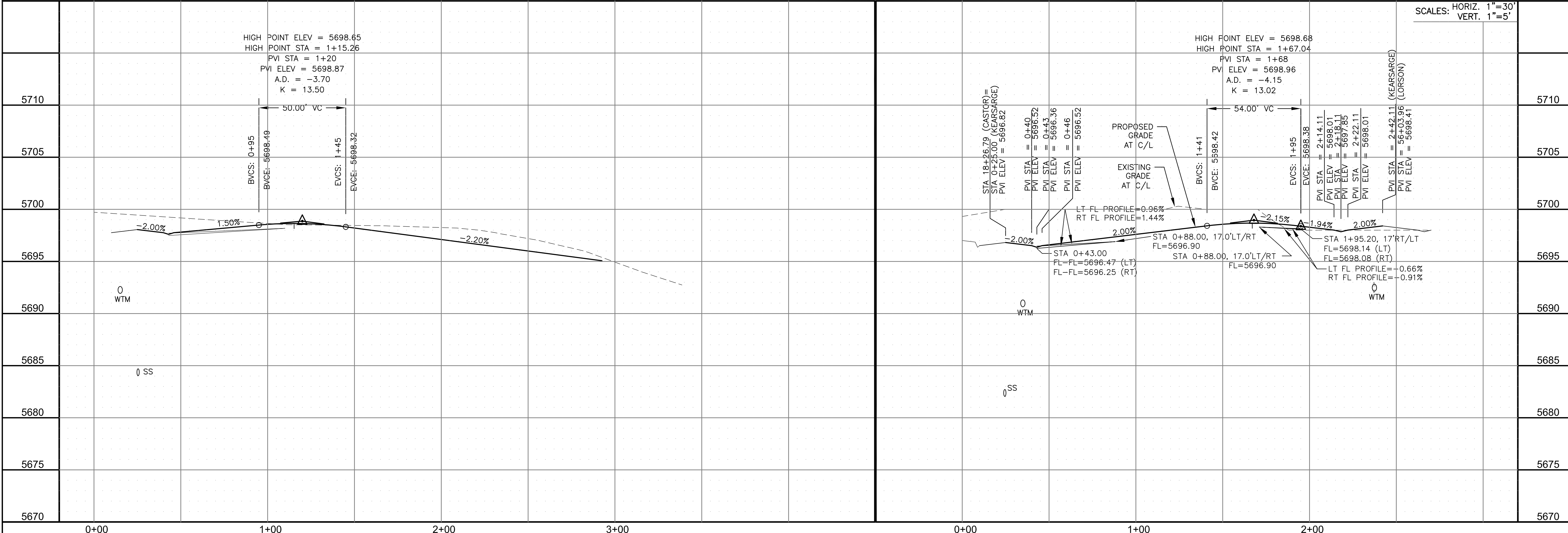
- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE	LENGTH	RADIUS	DELTA
C7	201.46'	46.17	250°00'29"
C8	54.98'	45.00	70°00'29"
C26	31.42'	20.00	90°00'00"
C28	31.42'	20.00	90°00'00"
C29	31.42'	20.00	90°00'00"
C30	31.42'	20.00	90°00'00"



YAZOO DRIVE

KEARSARGE DRIVE



CORE
ENGINEERING GROUP
15004 1ST AVENUE S.
DENVER, CO 80202
PHONE: 303.750.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cegi.com

DATE: _____
DESCRIPTION: _____
NO: _____
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PROJECT FOR:
LORSON, LLC
212 N. WAHSATCH AVE., SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
LORSON BLVD, KEARSARGE DR
COLORADO SPRINGS, COLORADO

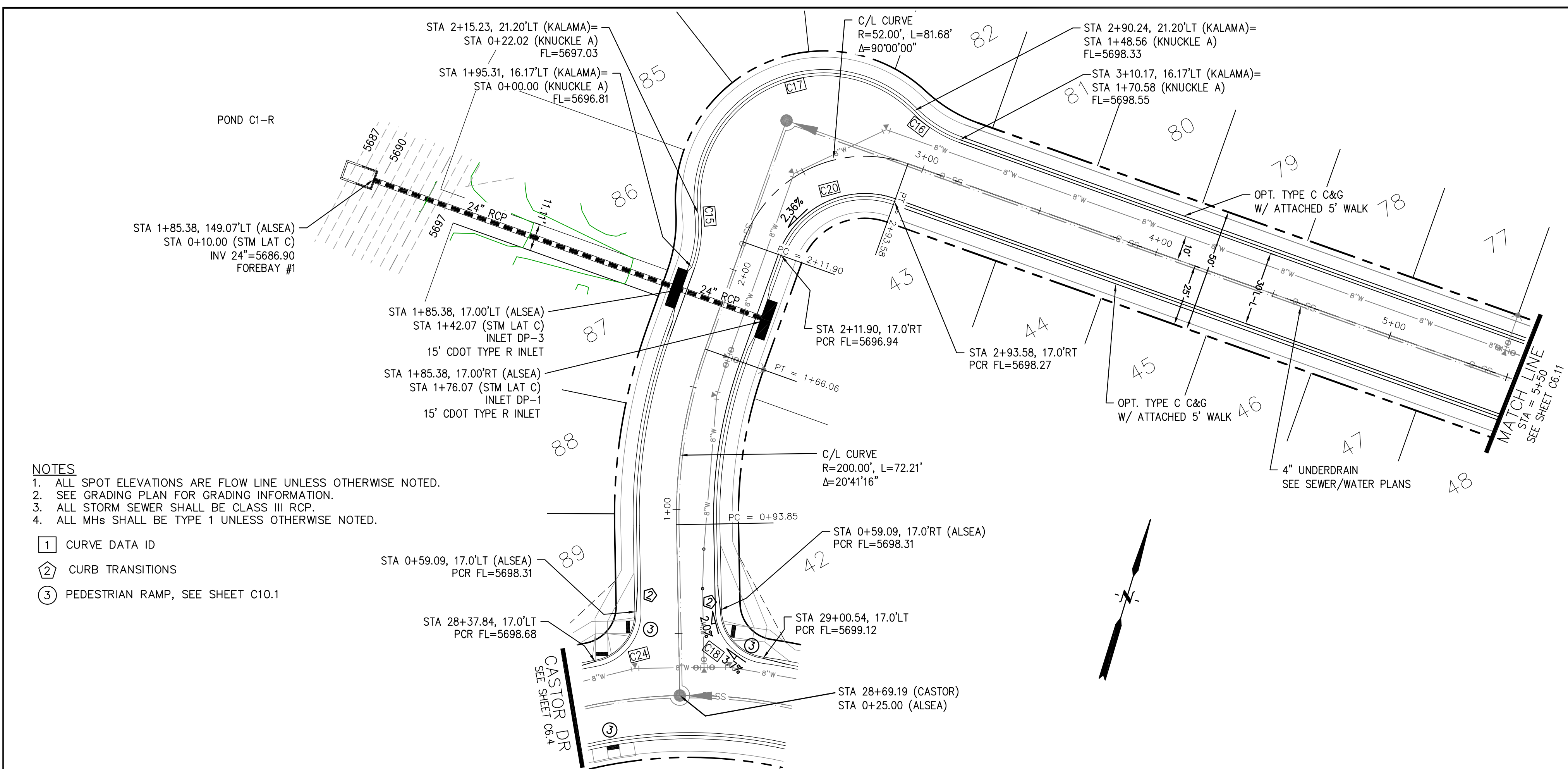
STREET/STORM
YAZOO DR (0+00 TO 3+41)
KEARSARGE DR (0+00 TO 2+42)

DATE:
APRIL 15, 2019

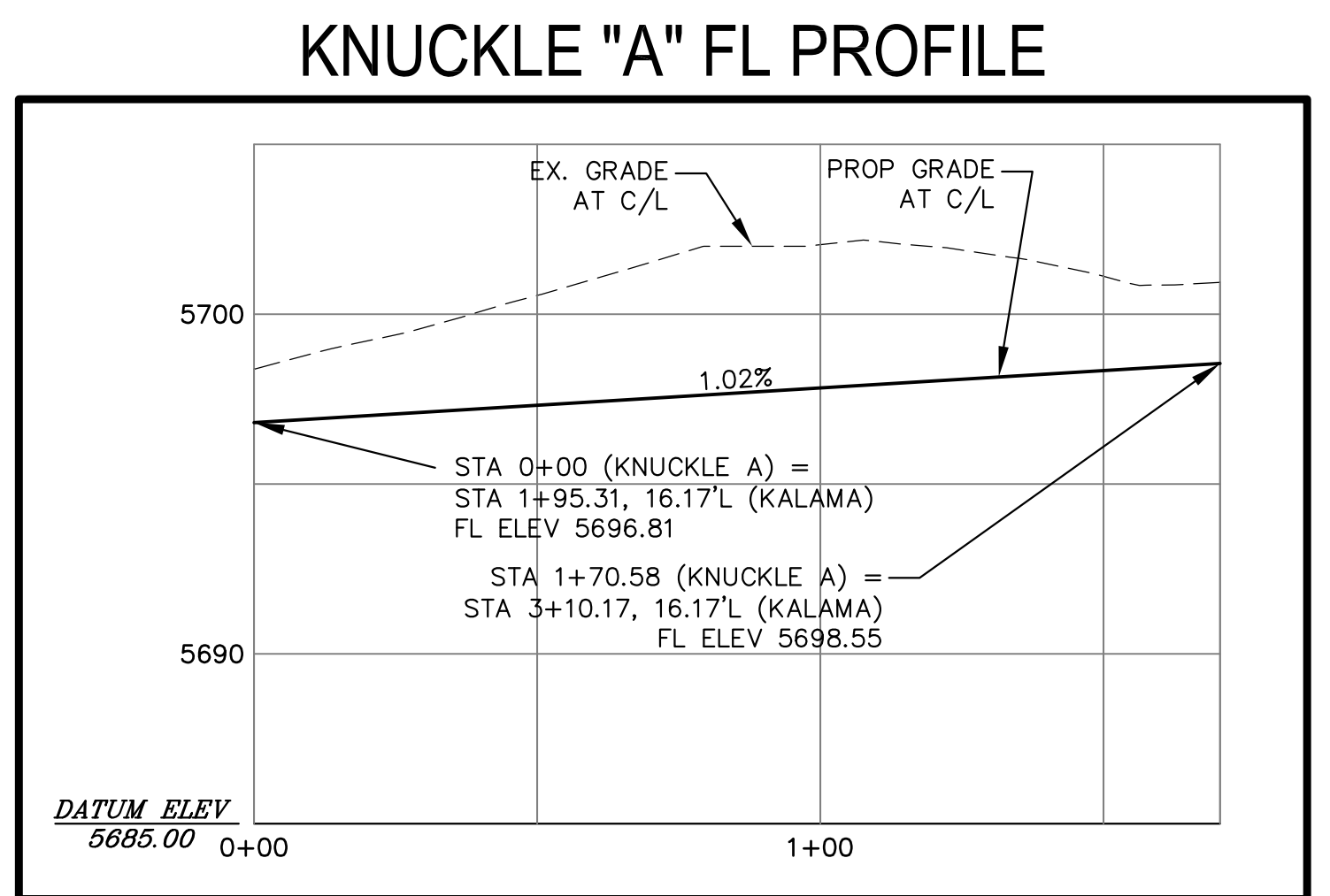
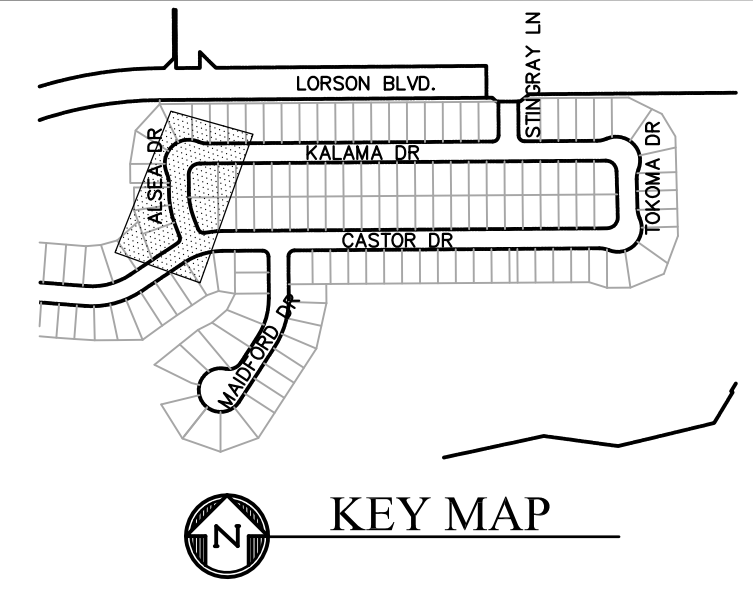
PROJECT NO.
100.045

SHEET NUMBER
C6.9

TOTAL SHEETS: 34



CURVE	LENGTH	RADIUS	DELTA
C15	22.02'	48.83	25°50'31"
C16	22.02'	48.83	25°50'31"
C17	126.54'	51.17	141°41'02"
C18	28.28'	20.00	81°01'10"
C20	56.28'	35.83	90°00'00"
C24	28.28'	20.00	81°01'04"



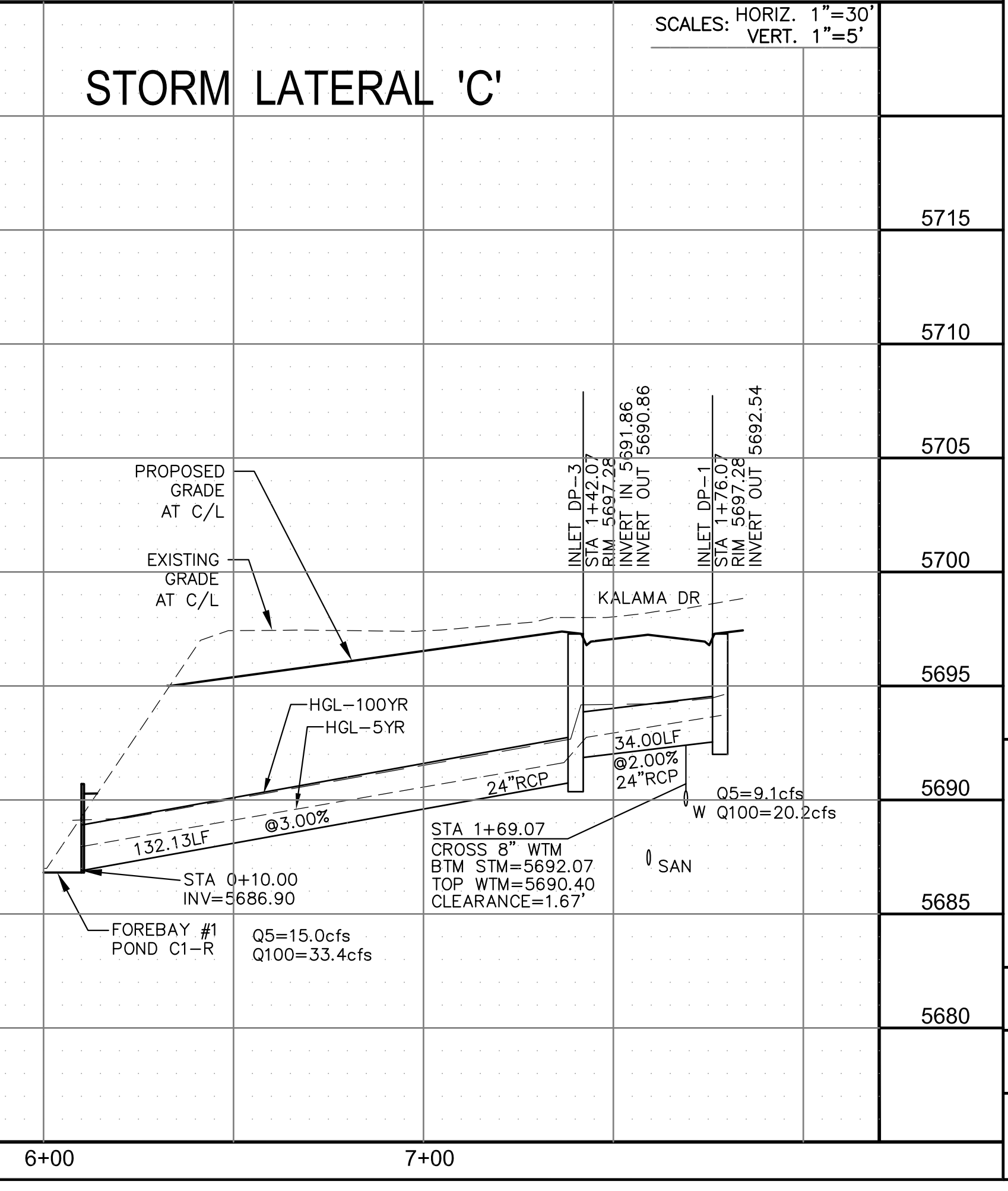
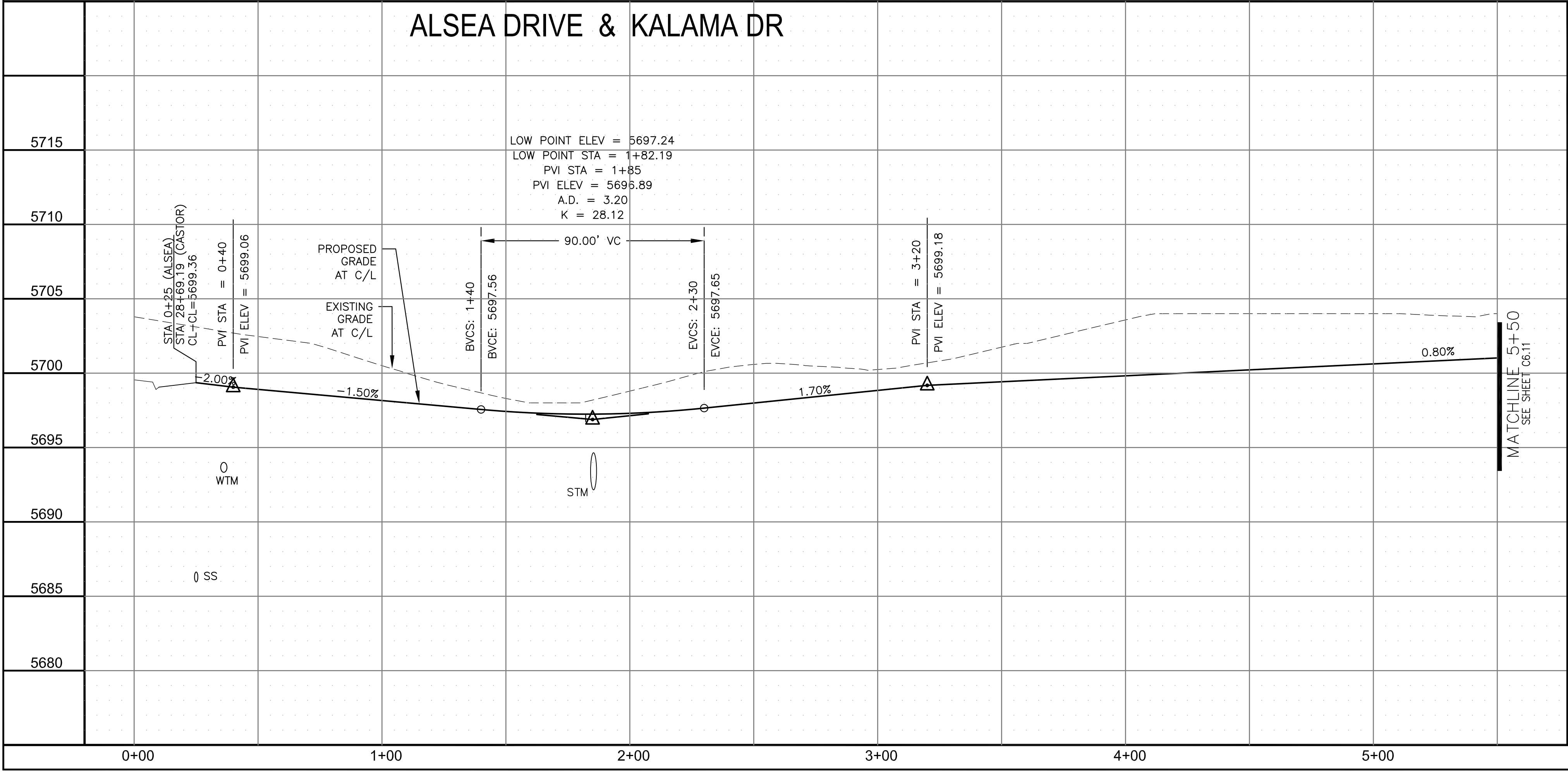
- NOTES
- ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 - SEE GRADING PLAN FOR GRADING INFORMATION.
 - ALL STORM SEWER SHALL BE CLASS III RCP.
 - ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.
- 1 CURVE DATA ID
 - 2 CURB TRANSITIONS
 - 3 PEDESTRIAN RAMP, SEE SHEET C10.1

CORE ENGINEERING GROUP
 15004 1ST AVENUE S, SUITE 300
 BURNING WOODS, COLORADO 80903
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 LORSON BLVD, LEANSAPARK DR
 COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS



STREET/STORM
 ALSEA DR & KALAMA DR
 STA 0+00 TO 5+50

DATE: APRIL 15, 2019

PROJECT NO. 100.045

SHEET NUMBER C6.10

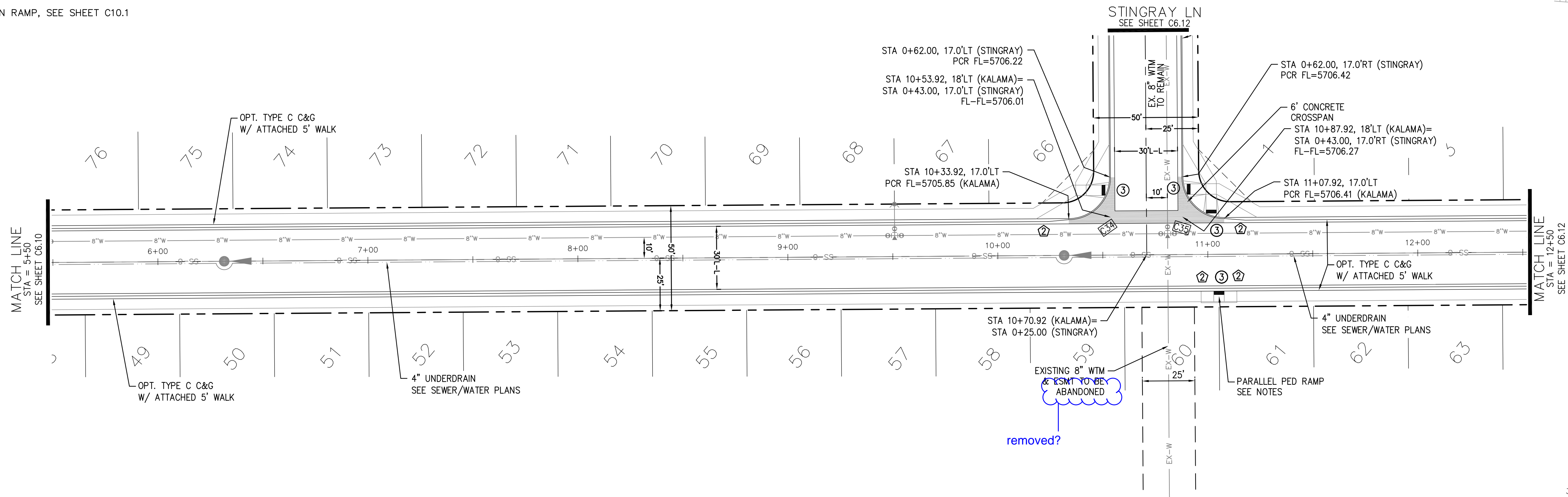
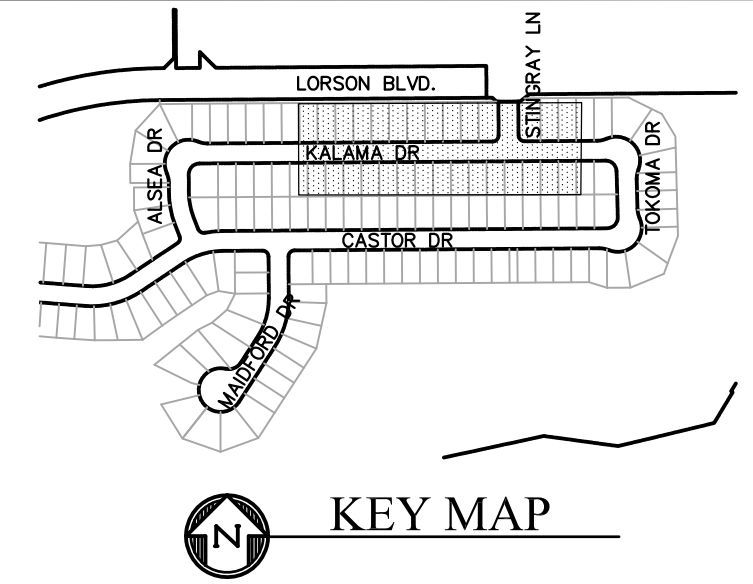
TOTAL SHEETS: 34

NOTES

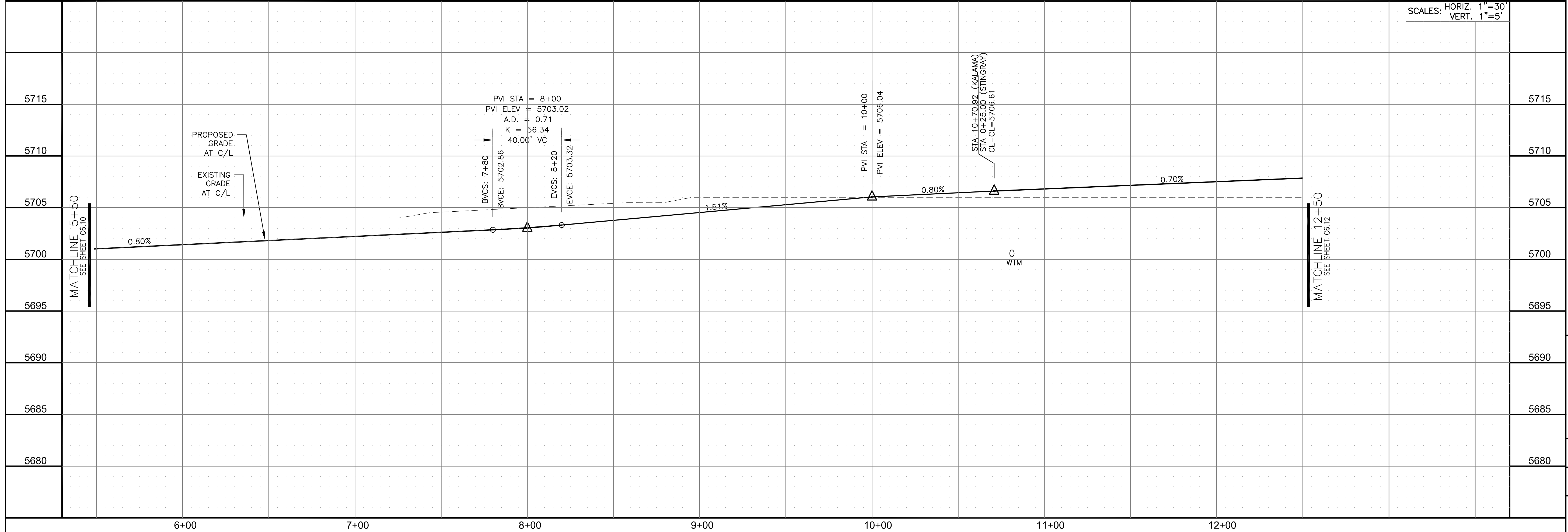
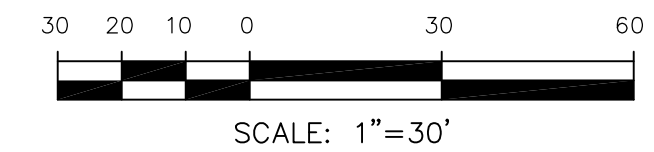
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
2. SEE GRADING PLAN FOR GRADING INFORMATION.
3. ALL STORM SEWER SHALL BE CLASS III RCP.
4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C34	31.42'	20.00	90°00'00"
C35	31.42'	20.00	90°00'00"



KALAMA DR



CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BURNING WOOD, CO 80506
 PHONE: 719.576.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

DATE: _____

DESCRIPTION: _____

NO. _____

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE. SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 LORSON BLVD. LEASING/DR
 COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

STREET/STORM
ALSEA DR & KALAMA DR
STA 5+50 TO 12+50

DATE: APRIL 15, 2019

PROJECT NO. 100.045

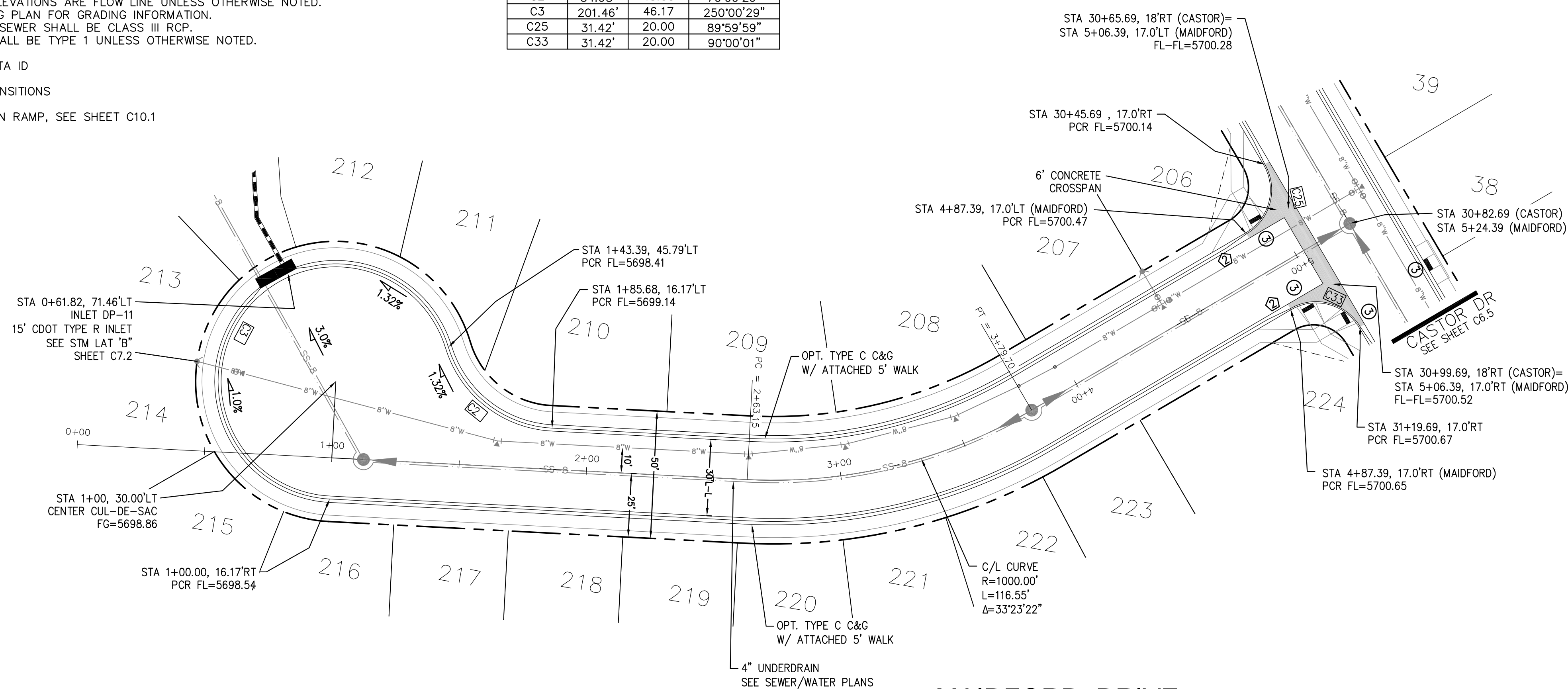
SHEET NUMBER C6.11

TOTAL SHEETS: 34

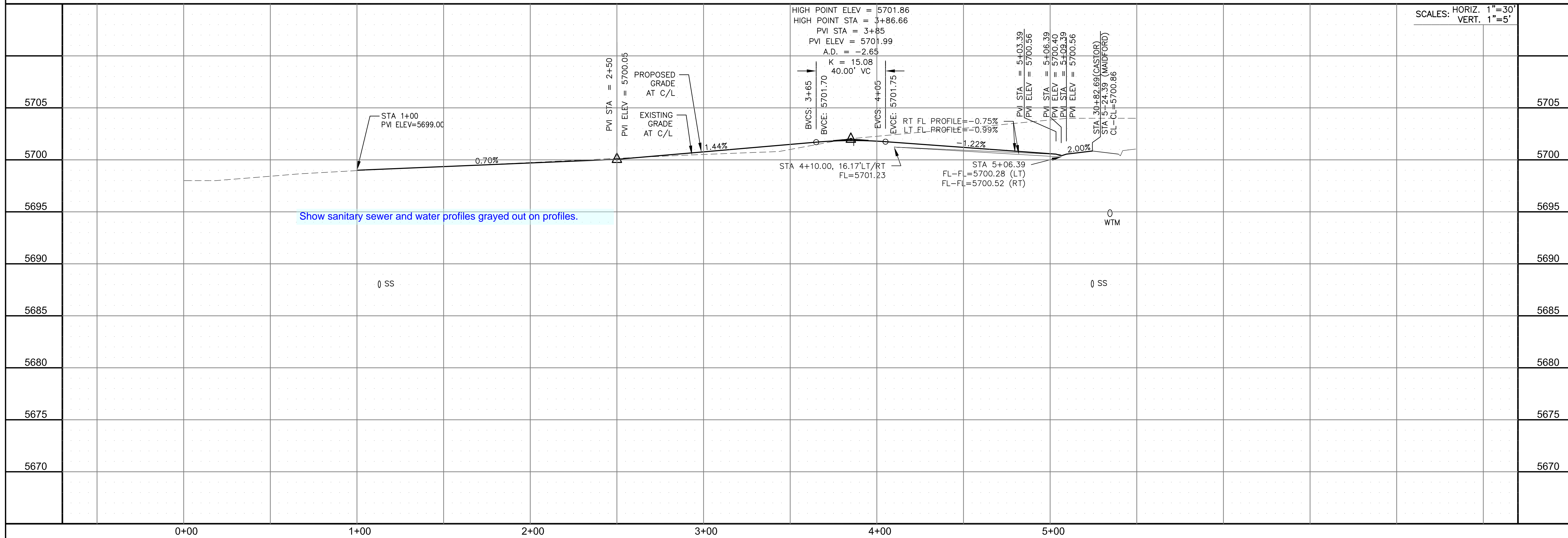
- NOTES**
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C2	54.98'	45.00	70°00'29"
C3	201.46'	46.17	250°00'29"
C25	31.42'	20.00	89°59'59"
C33	31.42'	20.00	90°00'01"



MADFORD DRIVE



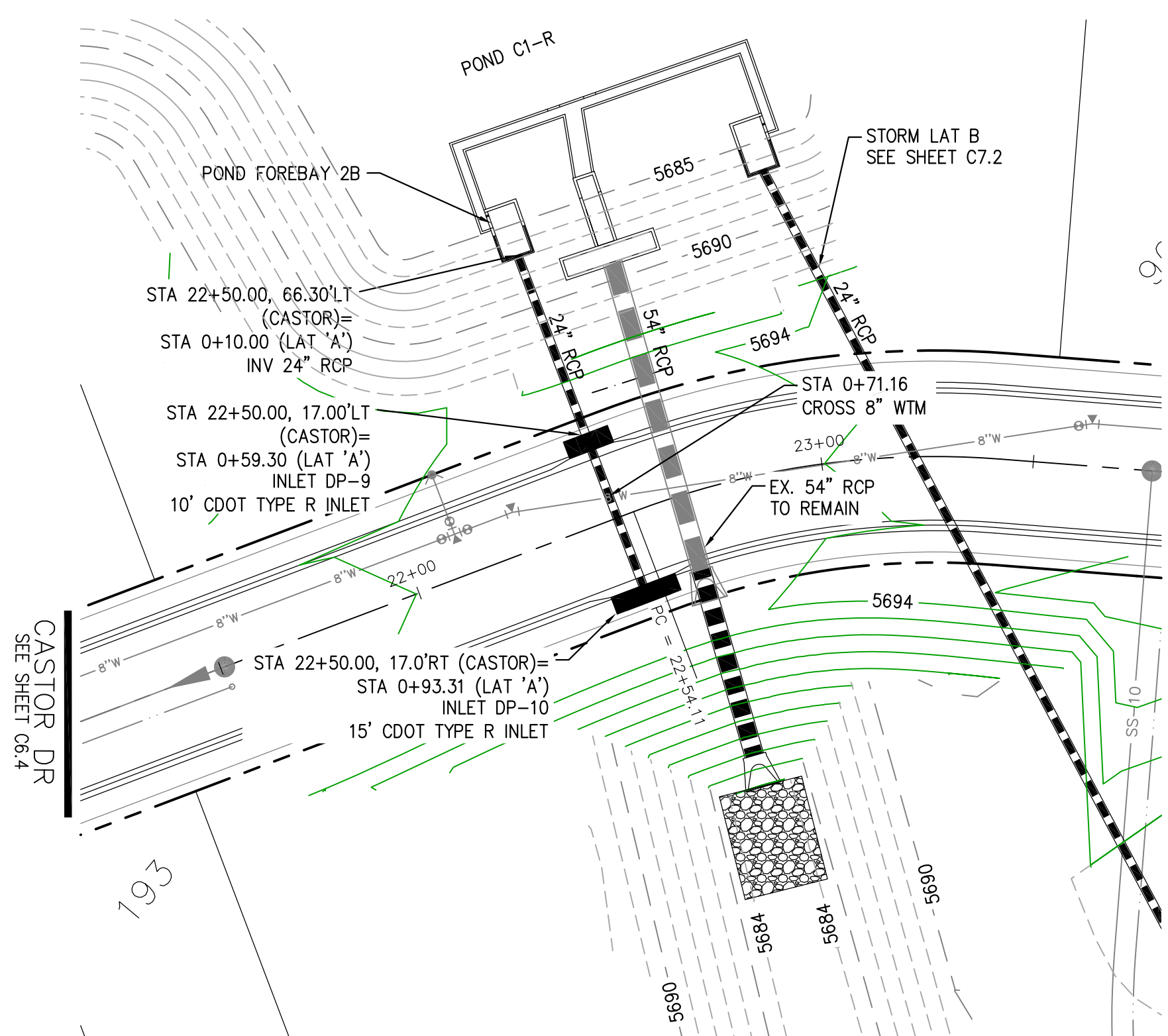
CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BIRMGHAM, AL 35206
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@cegi.com

PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD. LEASING/DR
 COLORADO SPRINGS, COLORADO

STREET/STORM MAIDFORD DRIVE STA 0+00 TO 5+24

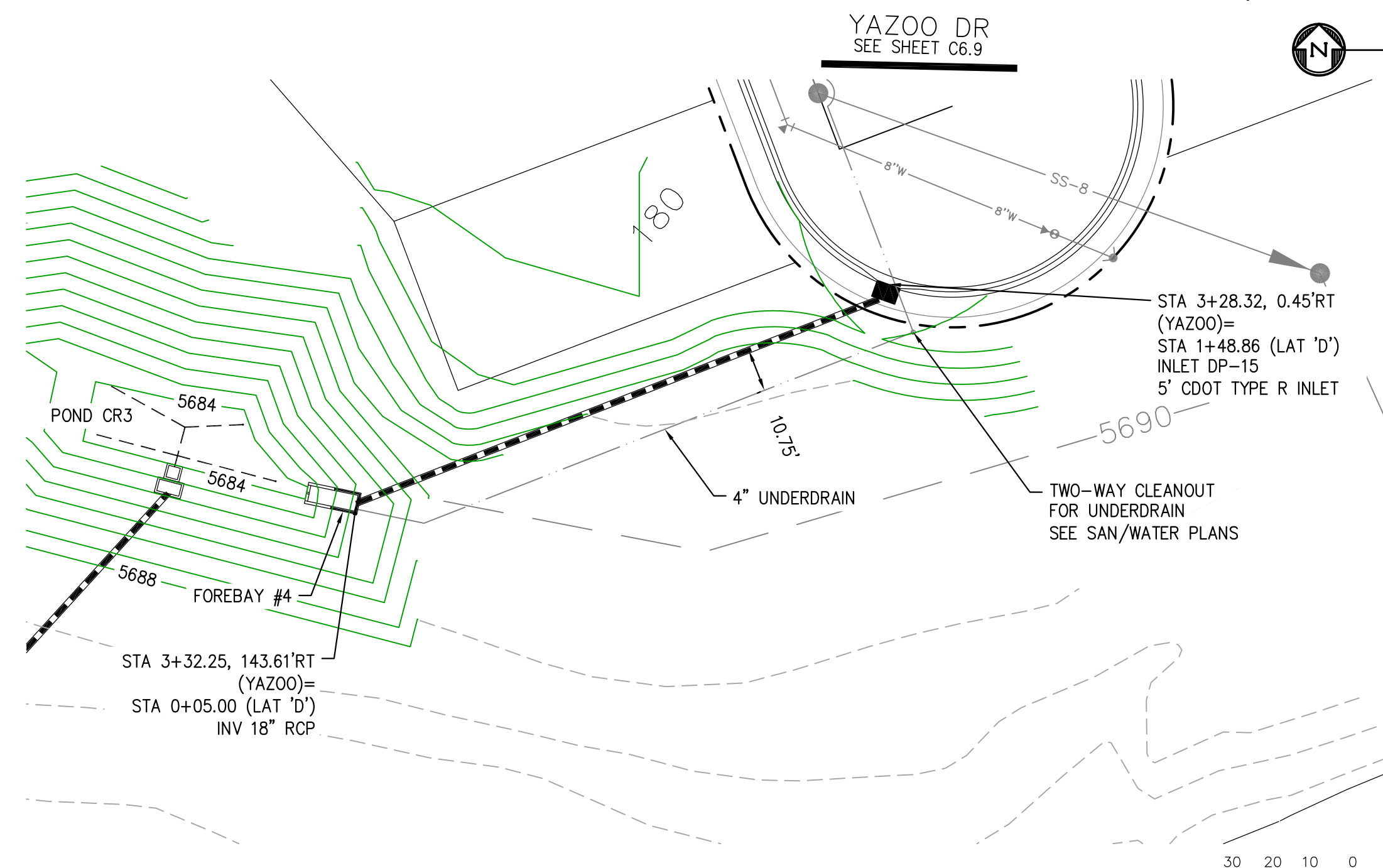
DATE: APRIL 15, 2019
 PROJECT NO: 100.045
 SHEET NUMBER: C6.13
 TOTAL SHEETS: 34



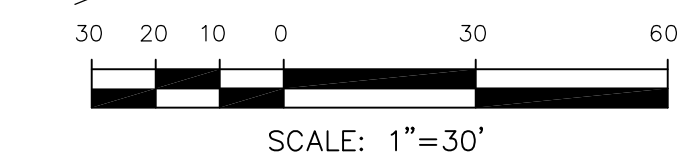
STORM LATERAL A

- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

- 1 CURVE DATA ID
- 2 CURB TRANSITIONS
- 3 PEDESTRIAN RAMP, SEE SHEET C10.1

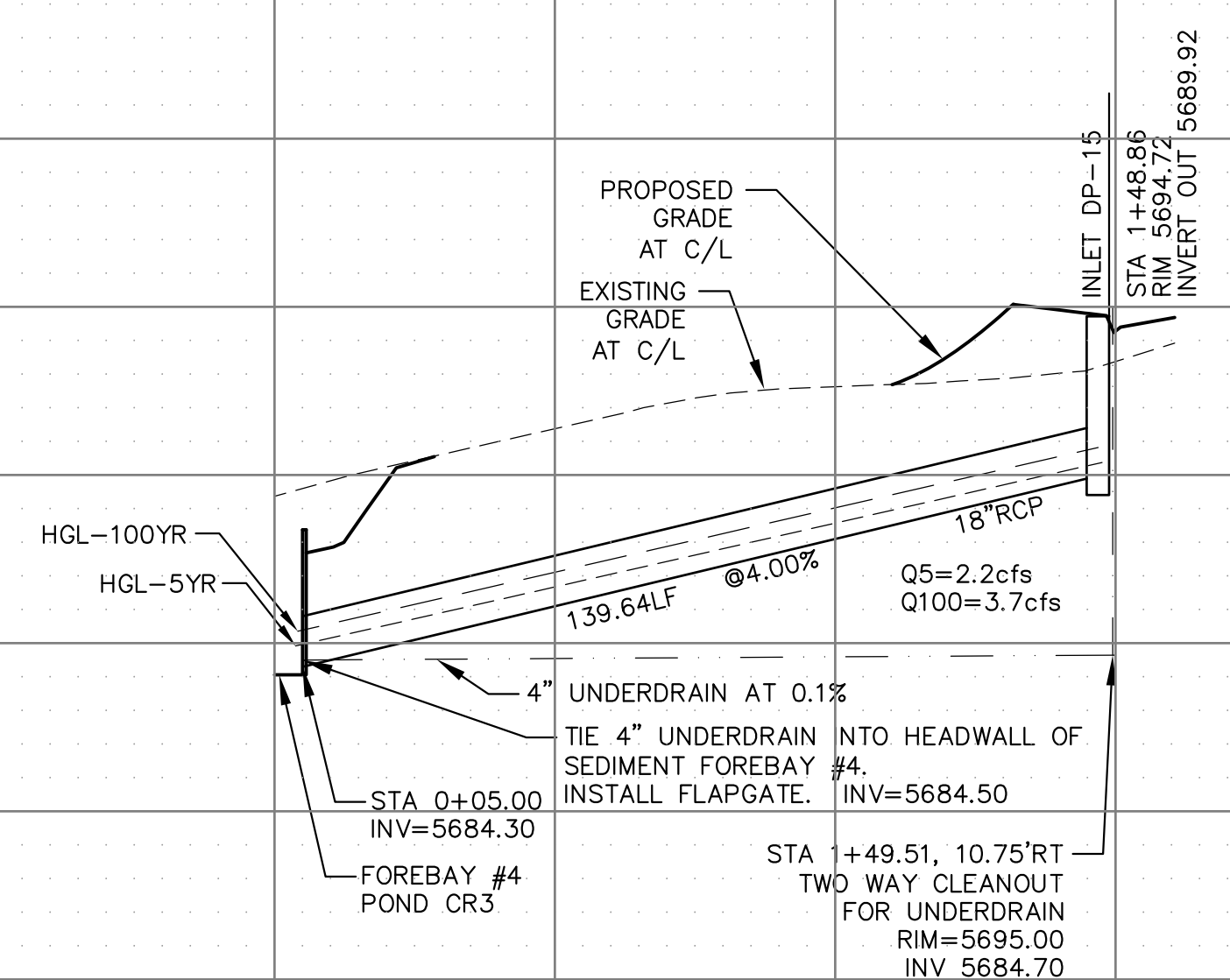
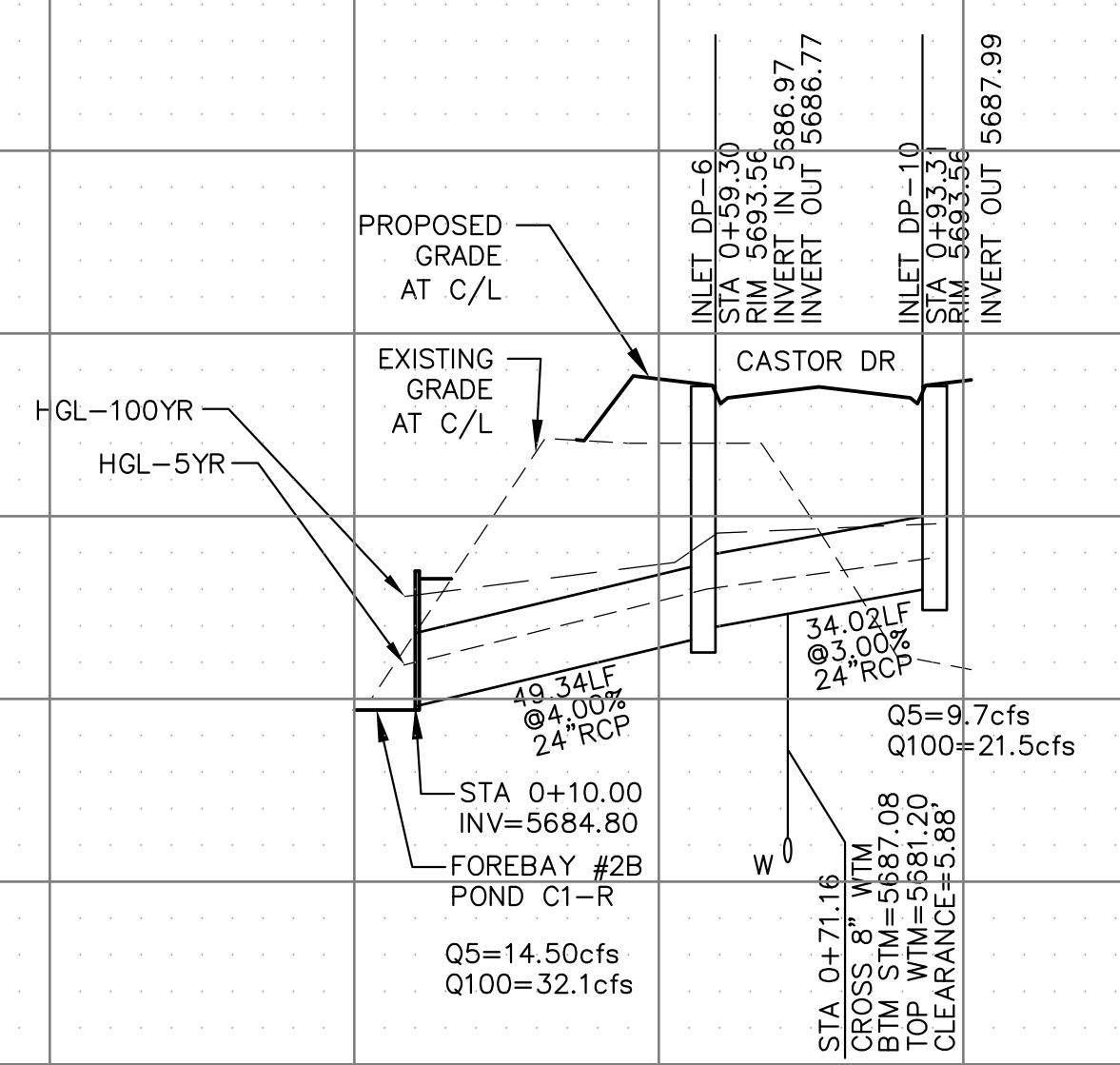


STORM LATERAL D



SCALES: HORIZ. 1"=30'
VERT. 1"=5'

STATION	DESCRIPTION	STATION
5705		5705
5700		5700
5695		5695
5690		5690
5685		5685
5680		5680
5675		5675
5670		5670



CORE
ENGINEERING GROUP
15004 1ST AVENUE S.
BURNING WOOD, CO 80906
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cegi.com

DATE: _____
DESCRIPTION: _____
NO. _____

PREPARED FOR:
LORSON, LLC
212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
LORSON BLVD. LEANSARGE DR
COLORADO SPRINGS, COLORADO

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

STREET/STORM
STORM LATERALS 'A' & 'D'

DATE:
APRIL 15, 2019

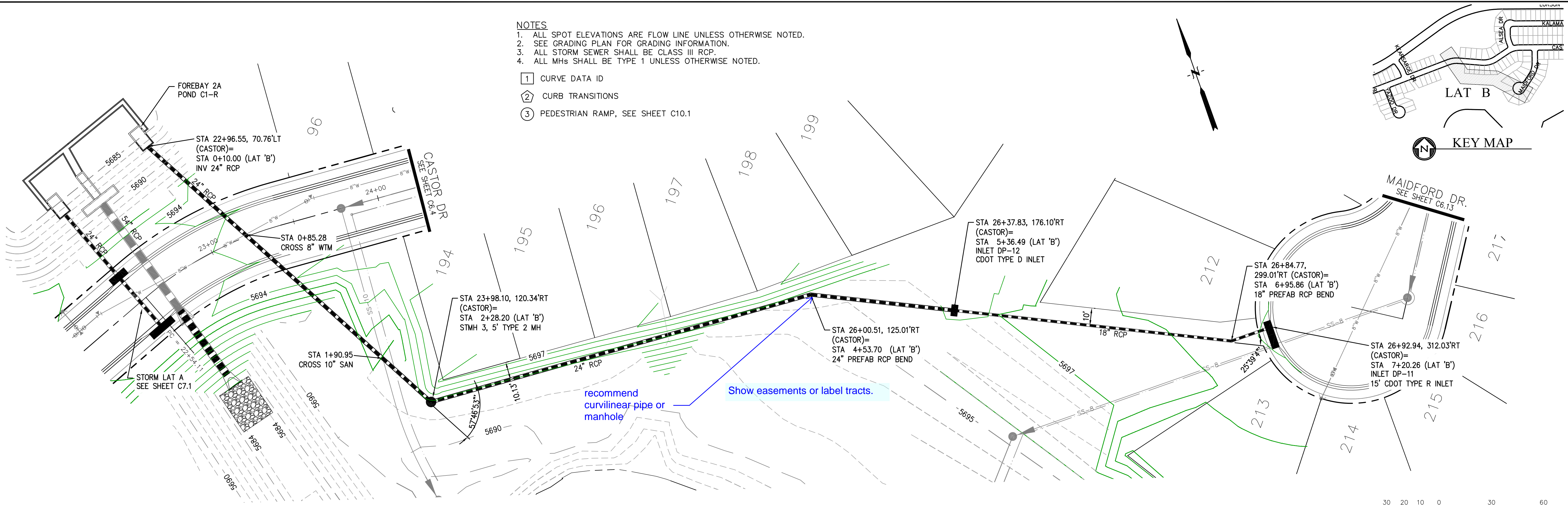
PROJECT NO.
100.045

SHEET NUMBER
C7.1

TOTAL SHEETS: 34

- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHs SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

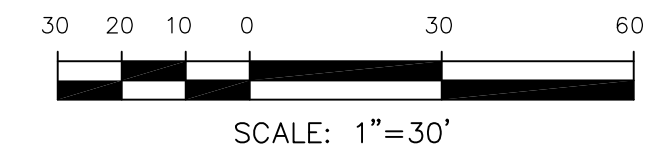
- ① CURVE DATA ID
- ② CURB TRANSITIONS
- ③ PEDESTRIAN RAMP, SEE SHEET C10.1



STORM LATERAL B

Label all storm plans as "public" or "private" or "metro district"

recommend curvilinear pipe or manhole
Show easements or label tracts.

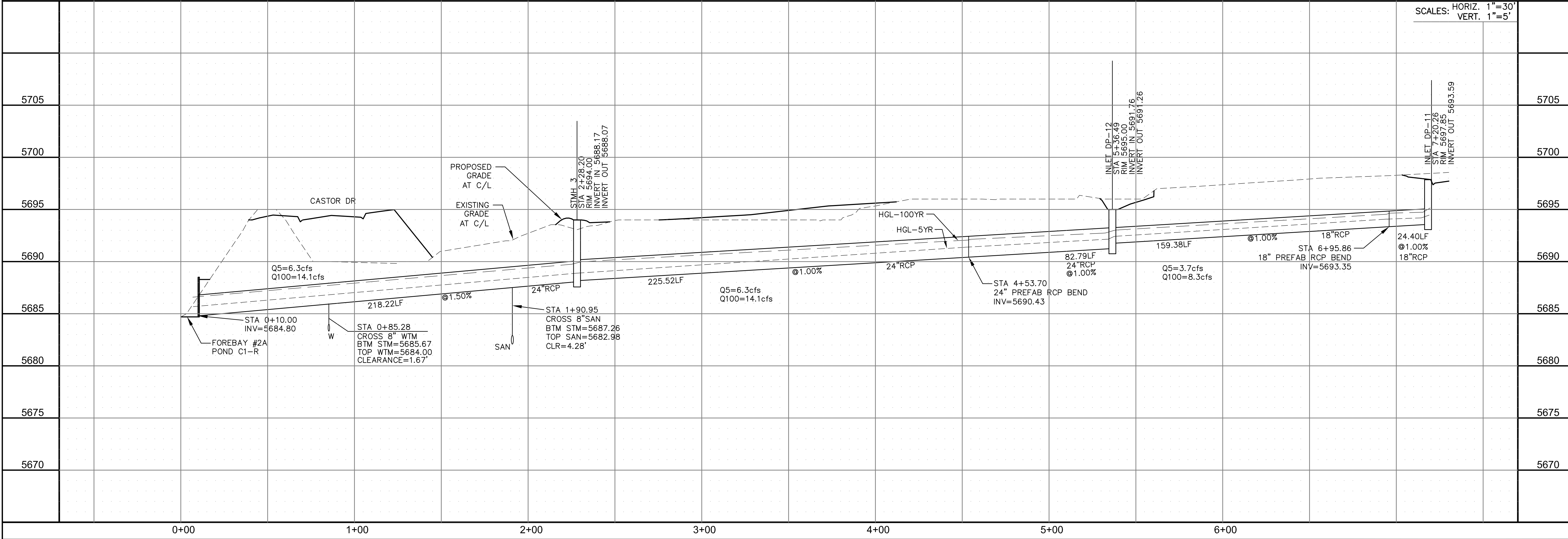


CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BLDG 79 870 1100
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@ceg1.com

DATE: _____
 DESCRIPTION: _____
 NO.: _____

PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE. SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 LORSON BLDG. LEASING DR
 COLORADO SPRINGS, COLORADO
 CONTACT: JEFF MARK

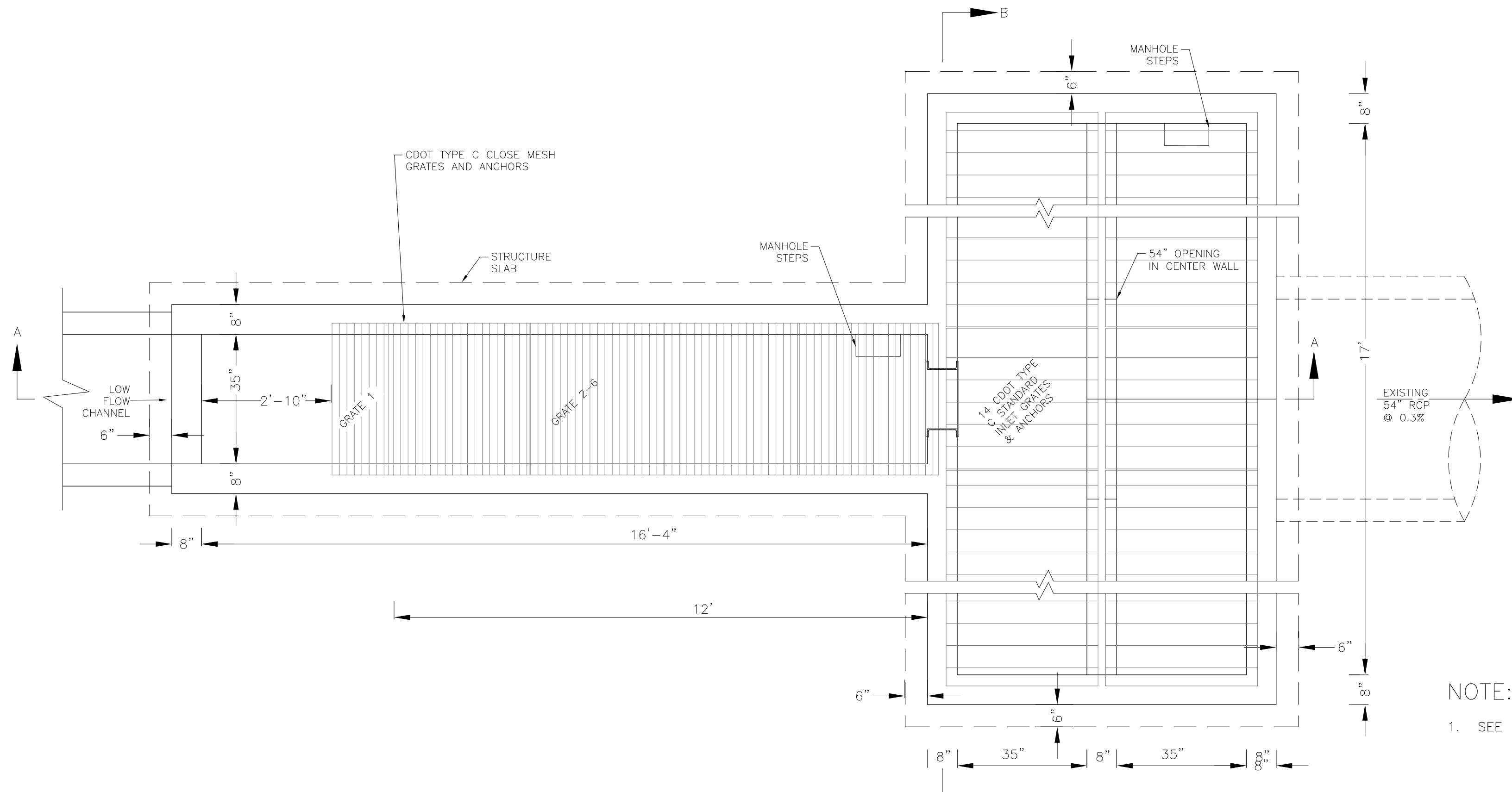
DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS



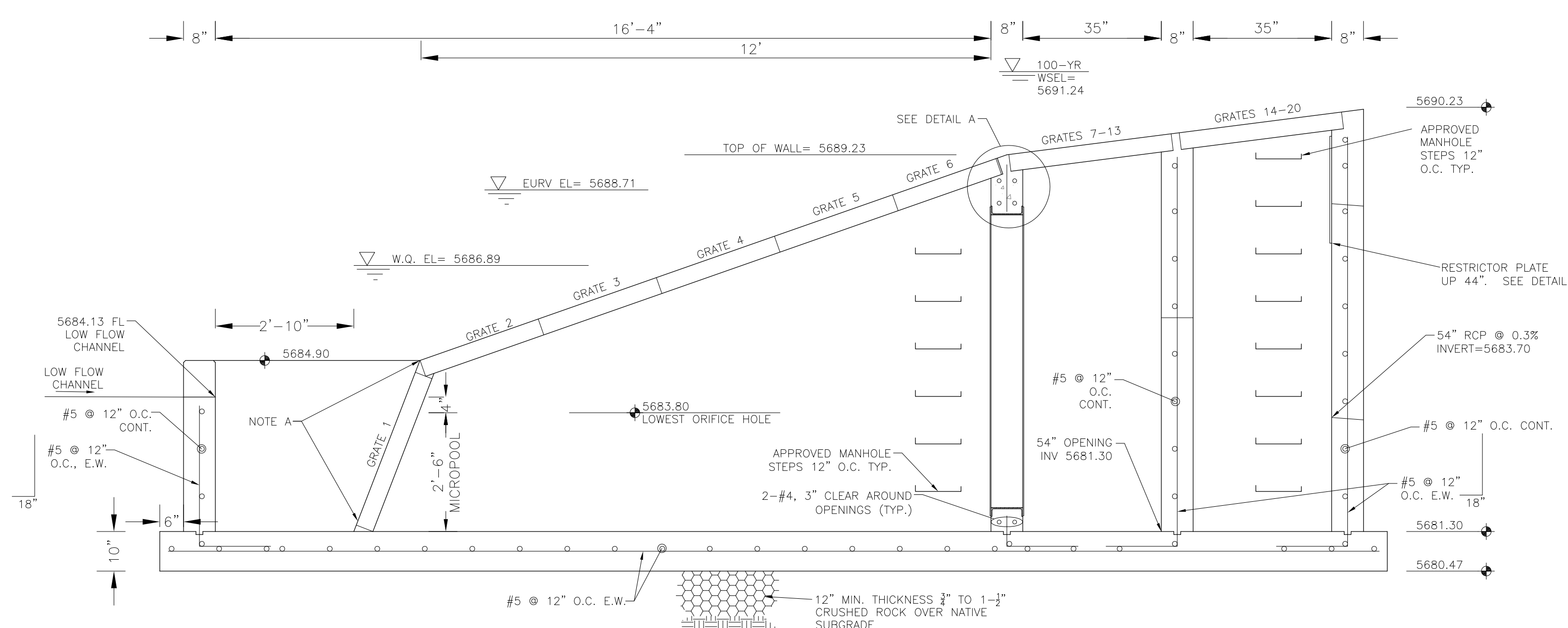
SCALES: HORIZ. 1"=30'
 VERT. 1"=5'

**STREET/STORM
 STORM LATERAL 'B'**

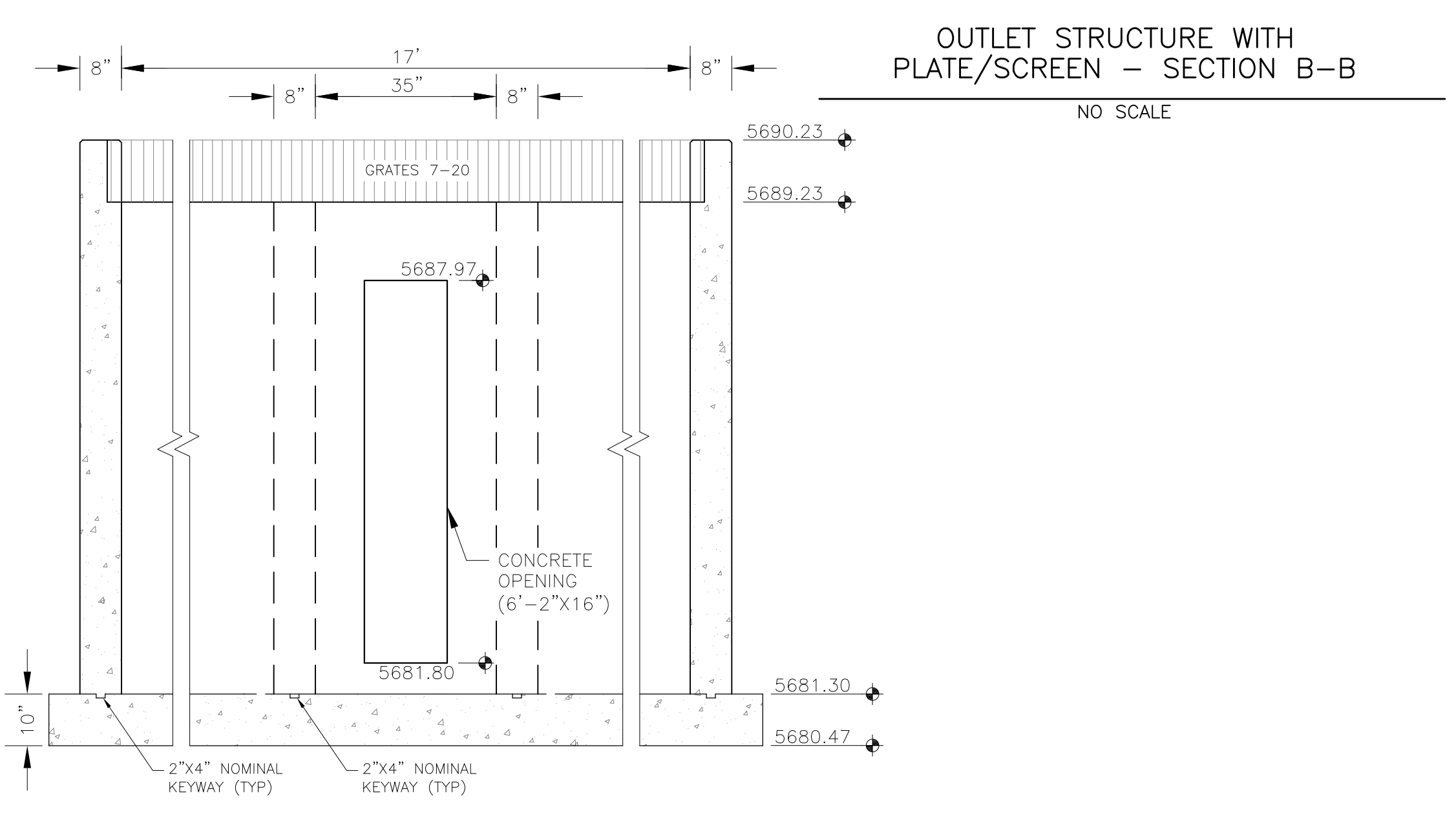
DATE:
 APRIL 15, 2019
 PROJECT NO.
 100.045
 SHEET NUMBER
 C7.2
 TOTAL SHEETS: 34



OUTLET STRUCTURE DETAIL - PLAN VIEW
NO SCALE



OUTLET STRUCTURE DETAIL - SECTION A-A
NO SCALE

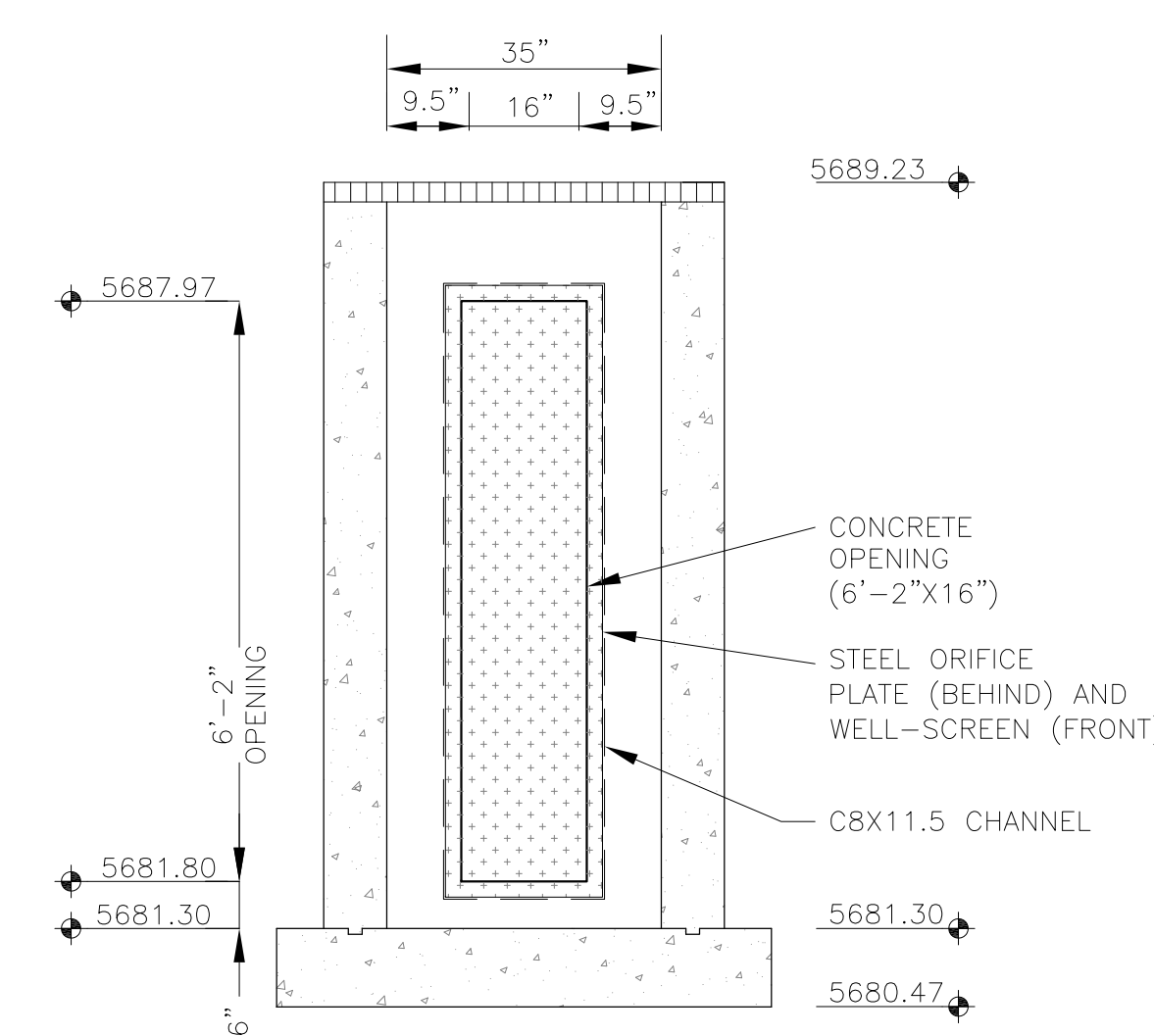


OUTLET STRUCTURE DETAIL - SECTION B-B
NO SCALE

OUTLET STRUCTURE, FOREBAY, AND DRAIN CHANNEL NOTES:

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL COMPONENTS OF THE OUTLET STRUCTURE.
- GRADE 60 REINFORCING STEEL REQUIRED. SEE TABLE FOR THE MINIMUM LAP SPLICE LENGTH FOR REINFORCING BARS. ALL REINFORCING STEEL SHALL HAVE A TWO-INCH MINIMUM CLEARANCE FROM EDGE OF CONCRETE, UNLESS OTHERWISE NOTED.
- CONCRETE FOR THE OUTLET STRUCTURE AND FOREBAY SHALL BE CDOT CLASS D CONCRETE.
- CONCRETE FOR DRAIN CHANNELS SHALL BE CDOT CLASS B CONCRETE.
- EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M-213. EXPANSION JOINT MATERIAL SHALL BE 1/2" THICK, SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE AND THE JOINT SHALL BE SEALED, REFER TO DETAILS.
- ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 3/8" CHAMFER UNLESS OTHERWISE NOTED.
- SUBGRADE TO BE 12" THICK CLEAN FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY PER ASTM M698 UNDER STRUCTURE.
- REFER TO POND DETAILS FOR PRESEDIMENTATION/FOREBAY DESIGN.
- ENGINEER SHALL BE NOTIFIED PRIOR TO BEGINNING CONSTRUCTION OF OUTLET STRUCTURE TO SCHEDULE OBSERVATION VISITS FOR STRUCTURES.

BAR SIZE	#4	#5	#6
MIN. SPLICE LENGTH	1'-3"	1'-7"	2'-0"



CORE ENGINEERING GROUP
15004 1ST AVENUE, SUITE 300
DENVER, CO 80202
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cog1.com

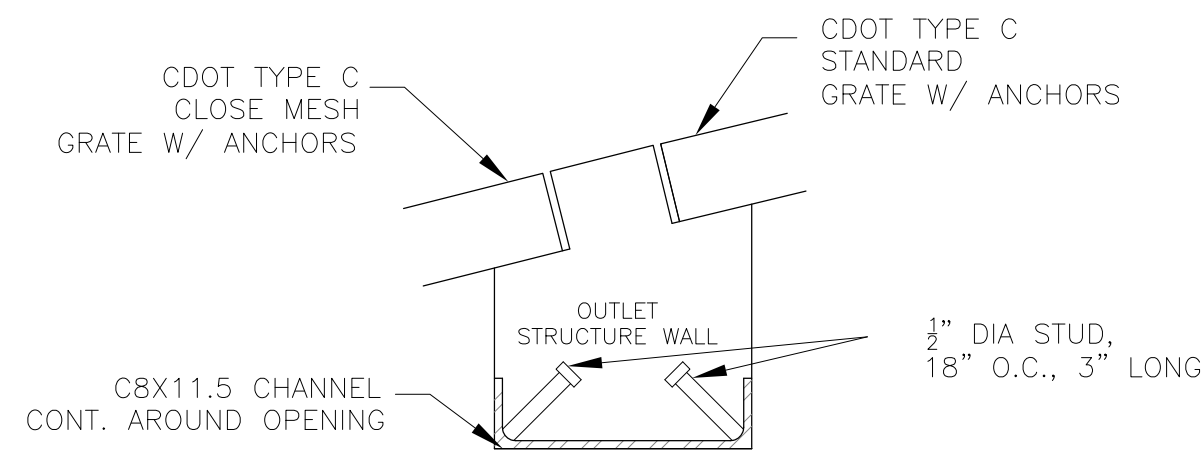
DATE: _____
DESCRIPTION: _____
NO: _____
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PREPARED FOR: **LORSON, LLC**
212 N. WAHSATCH AVE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
(719) 635-3200
CONTACT: JEFF MARK

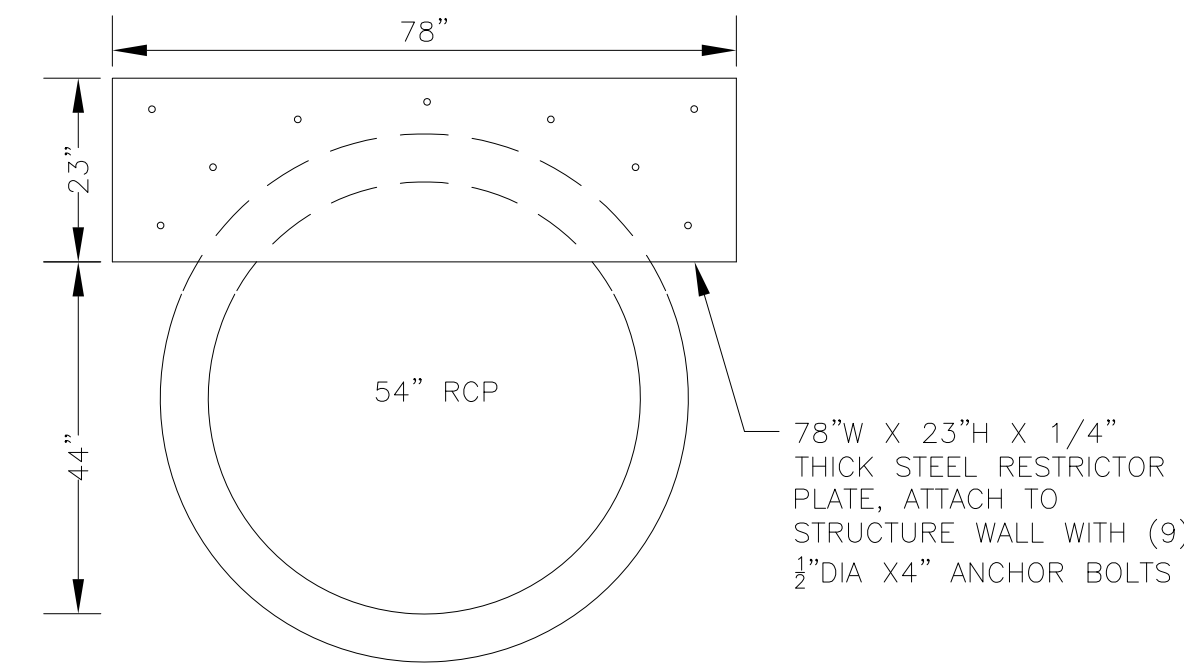
PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
OWNER: LORSON, LLC
LOCATION: COLORADO SPRINGS, COLORADO

POND C1-R FULL SPECTRUM OUTLET STRUCTURE DETAILS

DATE: APRIL 15, 2019
PROJECT NO. 100.045
SHEET NUMBER **C9.1**
TOTAL SHEETS: 34

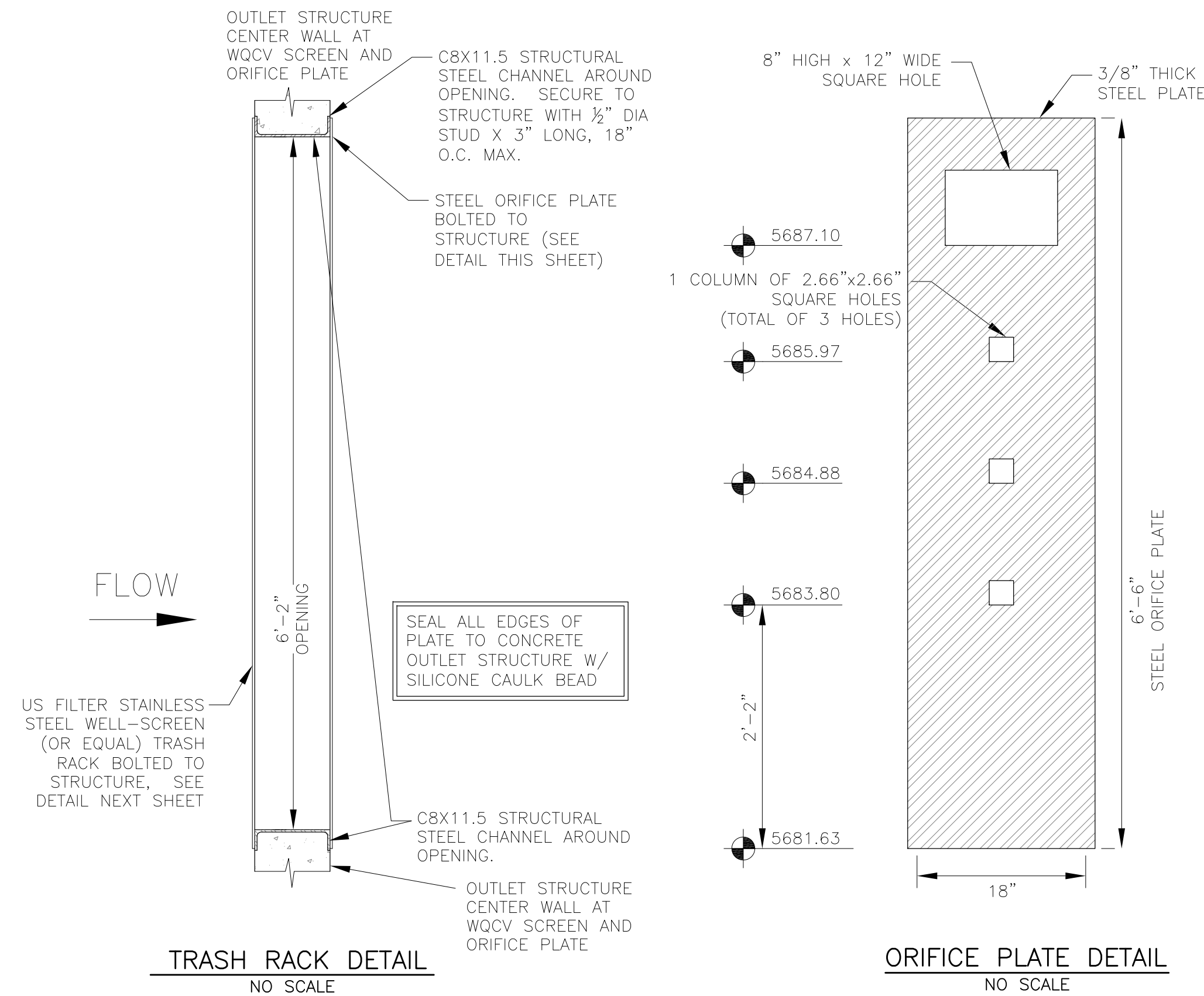
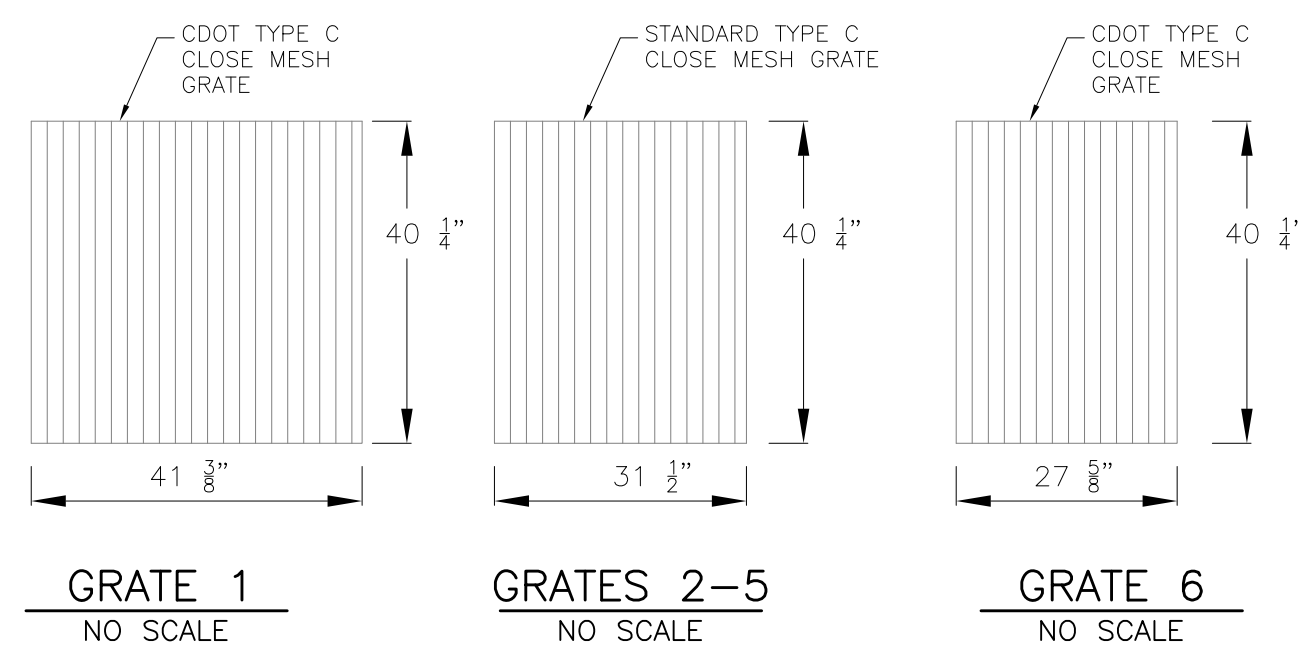


DETAIL A
NO SCALE



OUTLET RESTRICTOR PLATE
NO SCALE

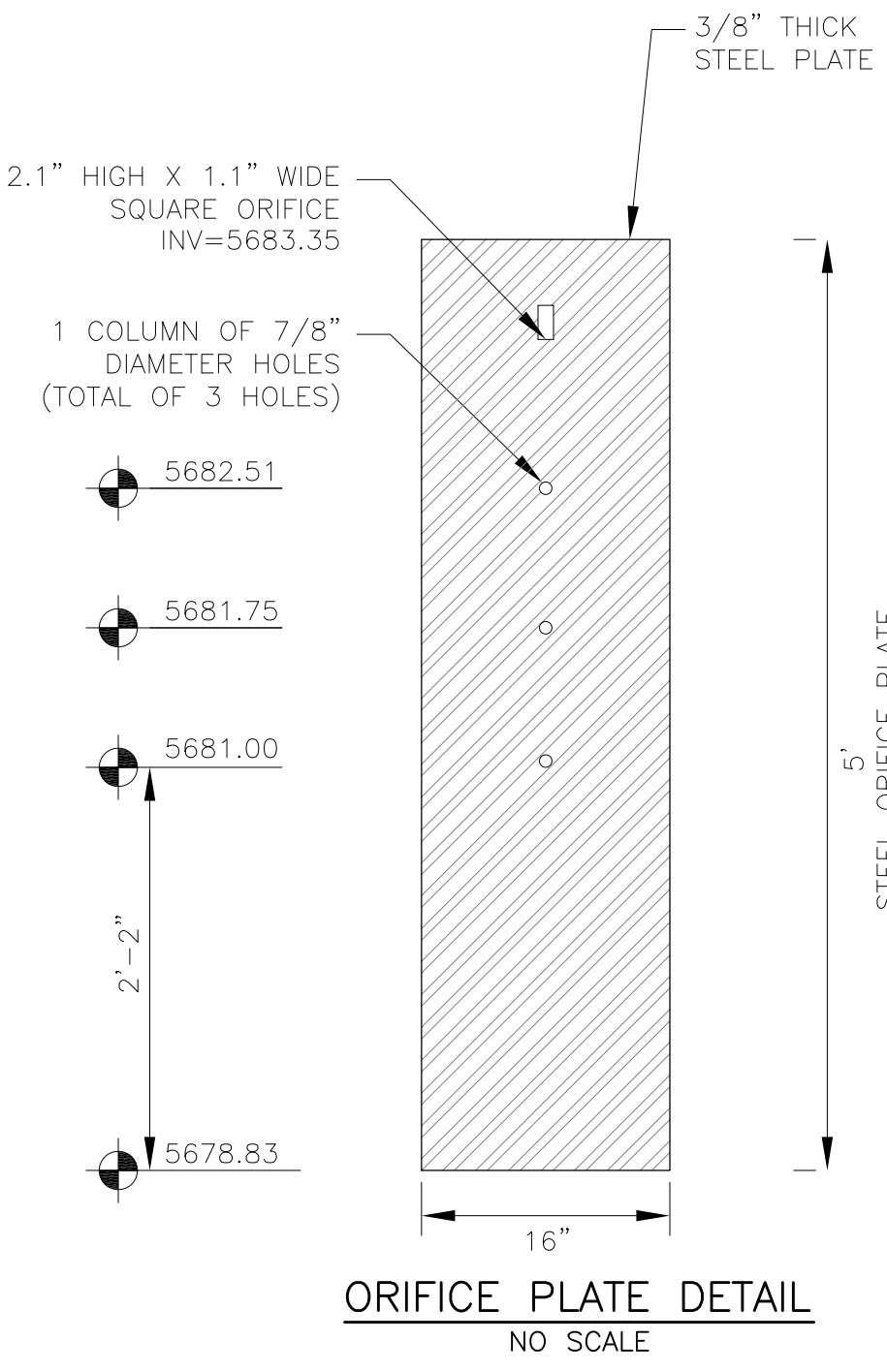
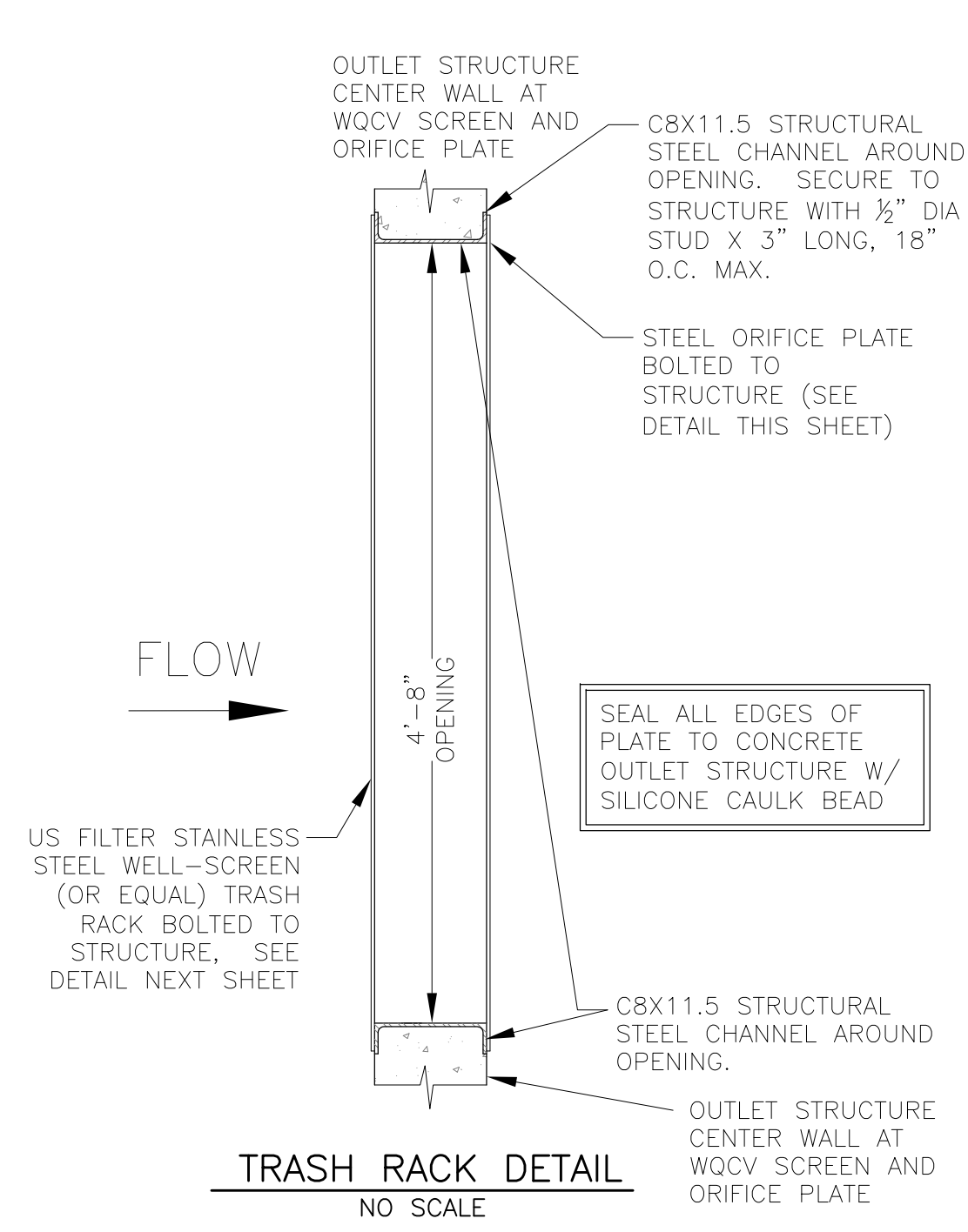
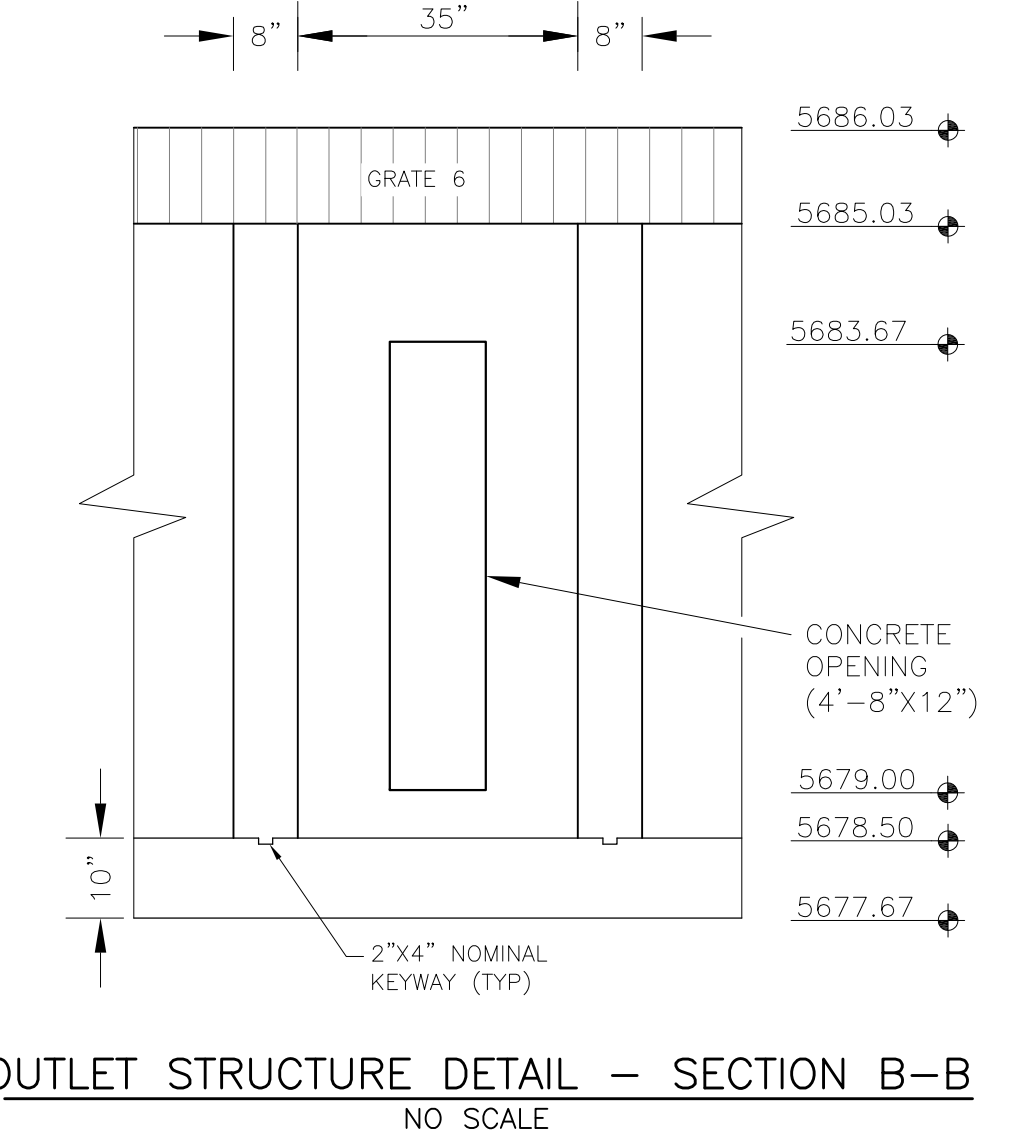
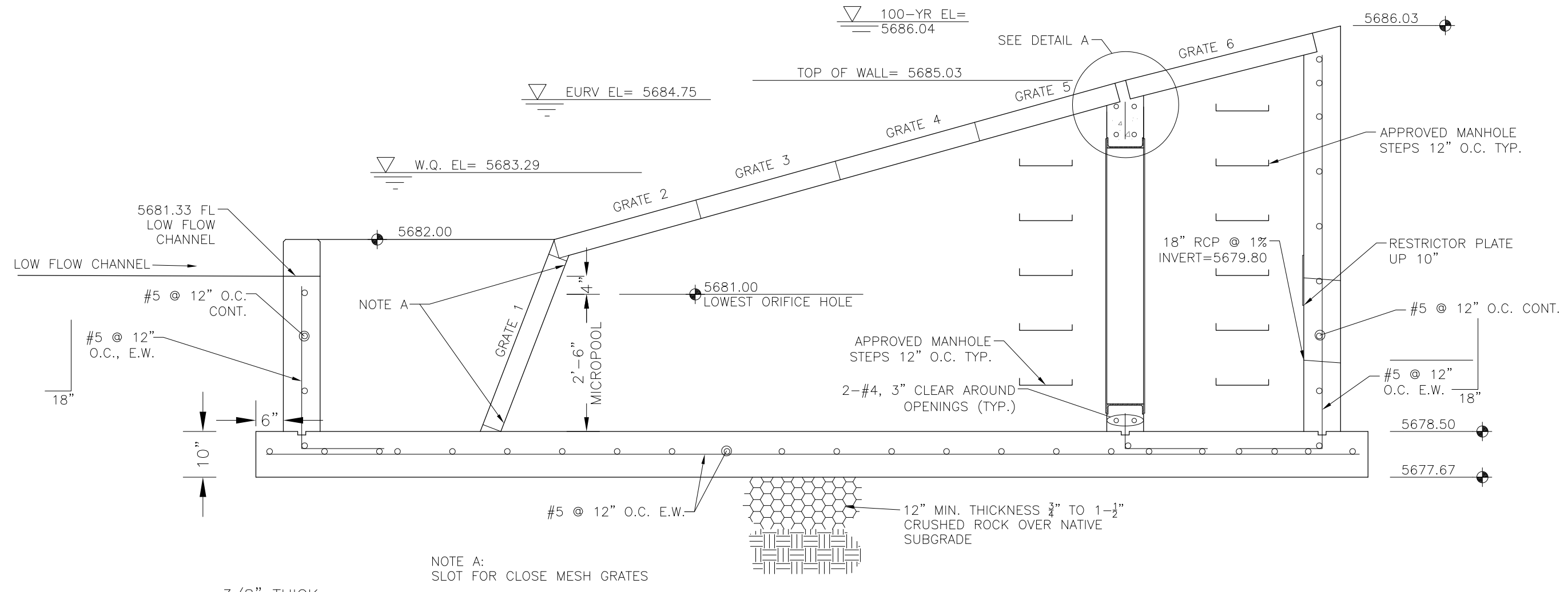
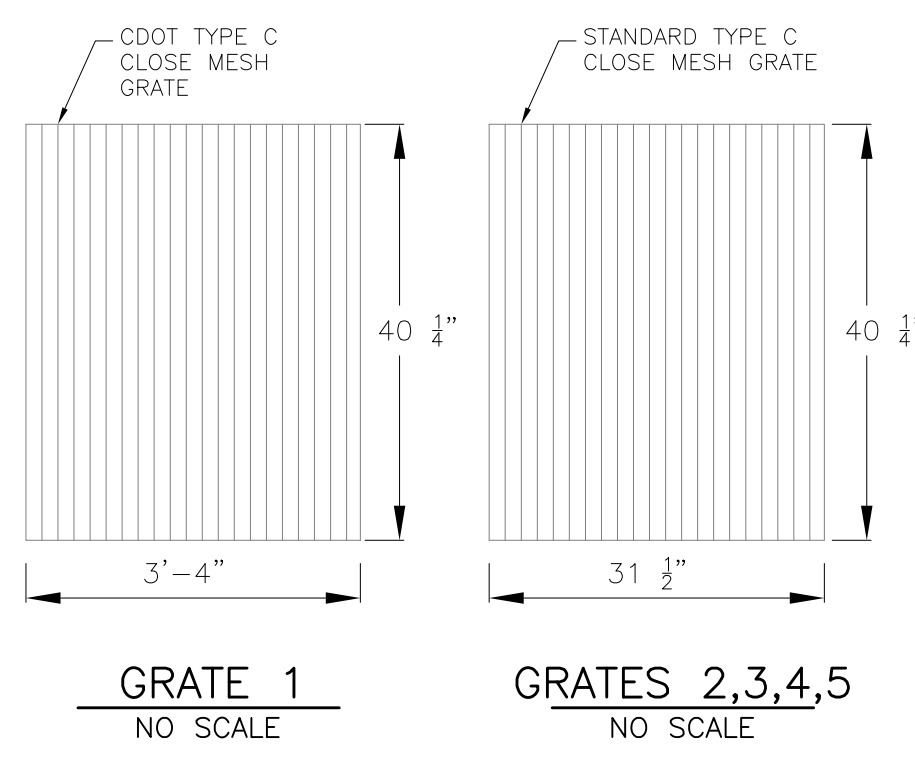
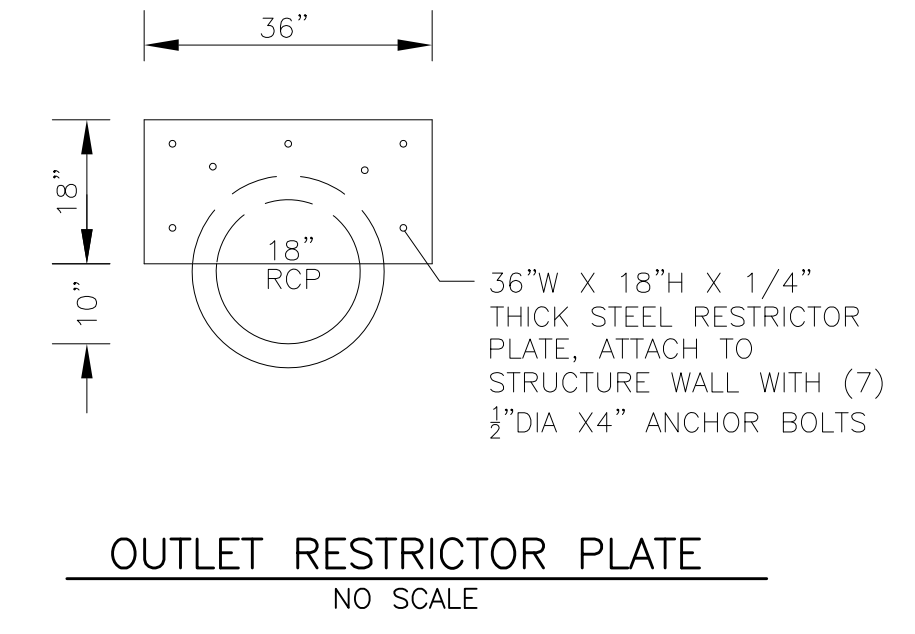
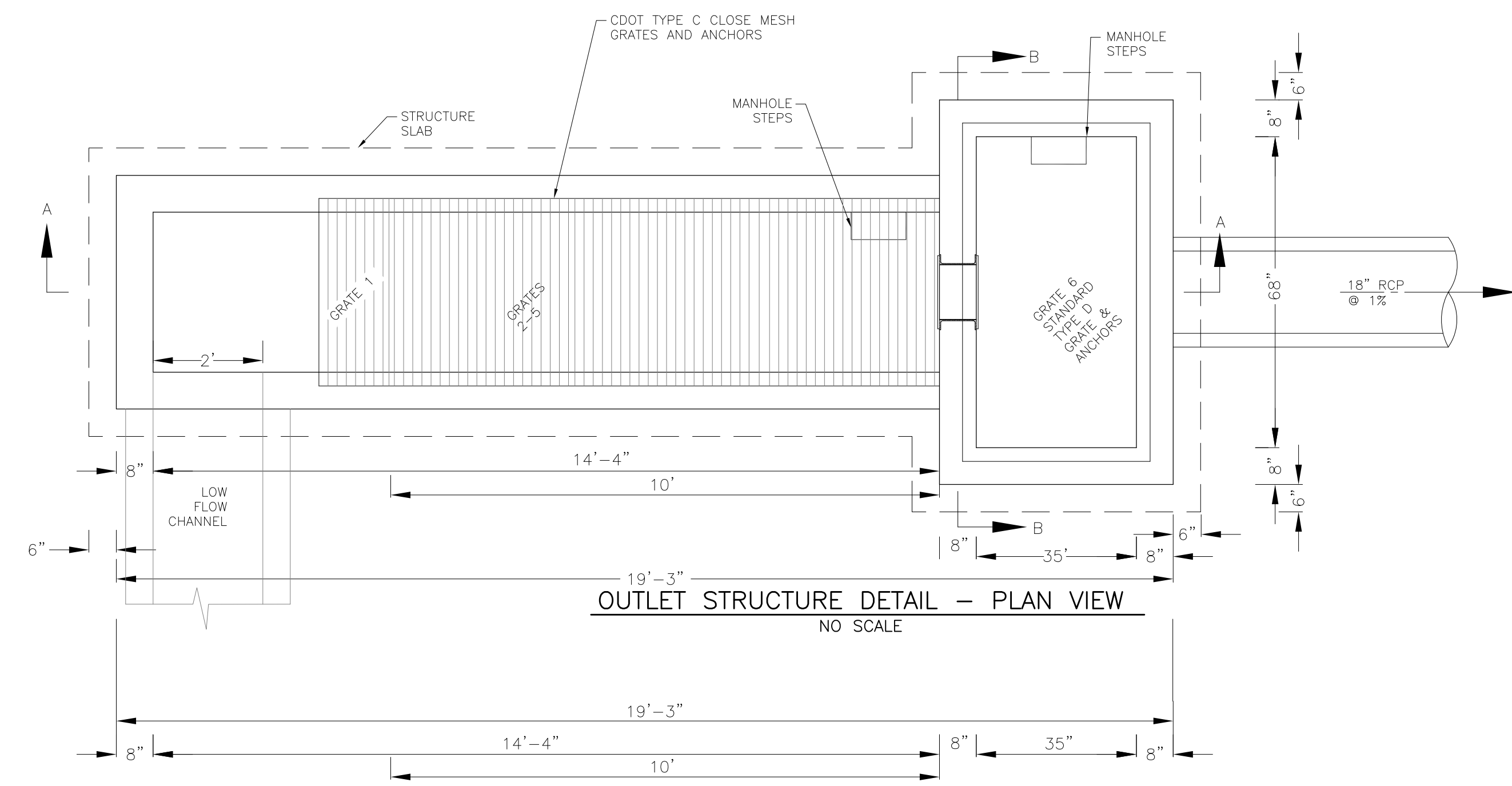
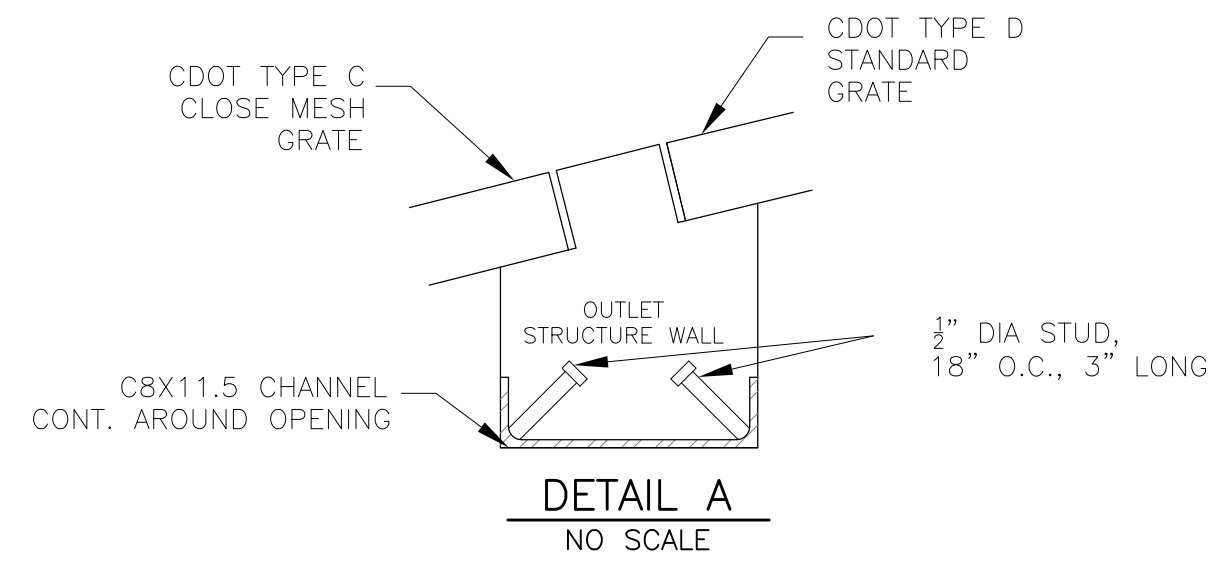
NOTE:
AFTER CONCRETE STRUCTURE HAS BEEN POURED
ALL GRATE DIMENSIONS SHALL BE FIELD VERIFIED
PRIOR TO GRATE CONSTRUCTION



WQCV WELL-SCREEN NOTES:

- Well-Screen shall be stainless steel and attached by stainless steel bolts along edge of the mounting frame.
- WQCV Well Screen
 - Type of Screen: Stainless steel #93 Vee Wire (Johnson Vee Wire (tm) Stainless Steel Screen or equivalent with 60% open area)
 - Screen slot opening dimension: 0.139" (Screen #93 Vee Wire Slot Opening)
 - Type and Size of Support Rod: TE 0.074"x0.50"
 - Spacing of Support Rod (O.C.): 1.0 Inch
 - Total Screen Thickness: 0.655"
 - Carbon Steel Holding Frame Type: 3/4" x 1.0" angle

POND C1-R
FULL SPECTRUM
OUTLET STRUCTURE DETAILS



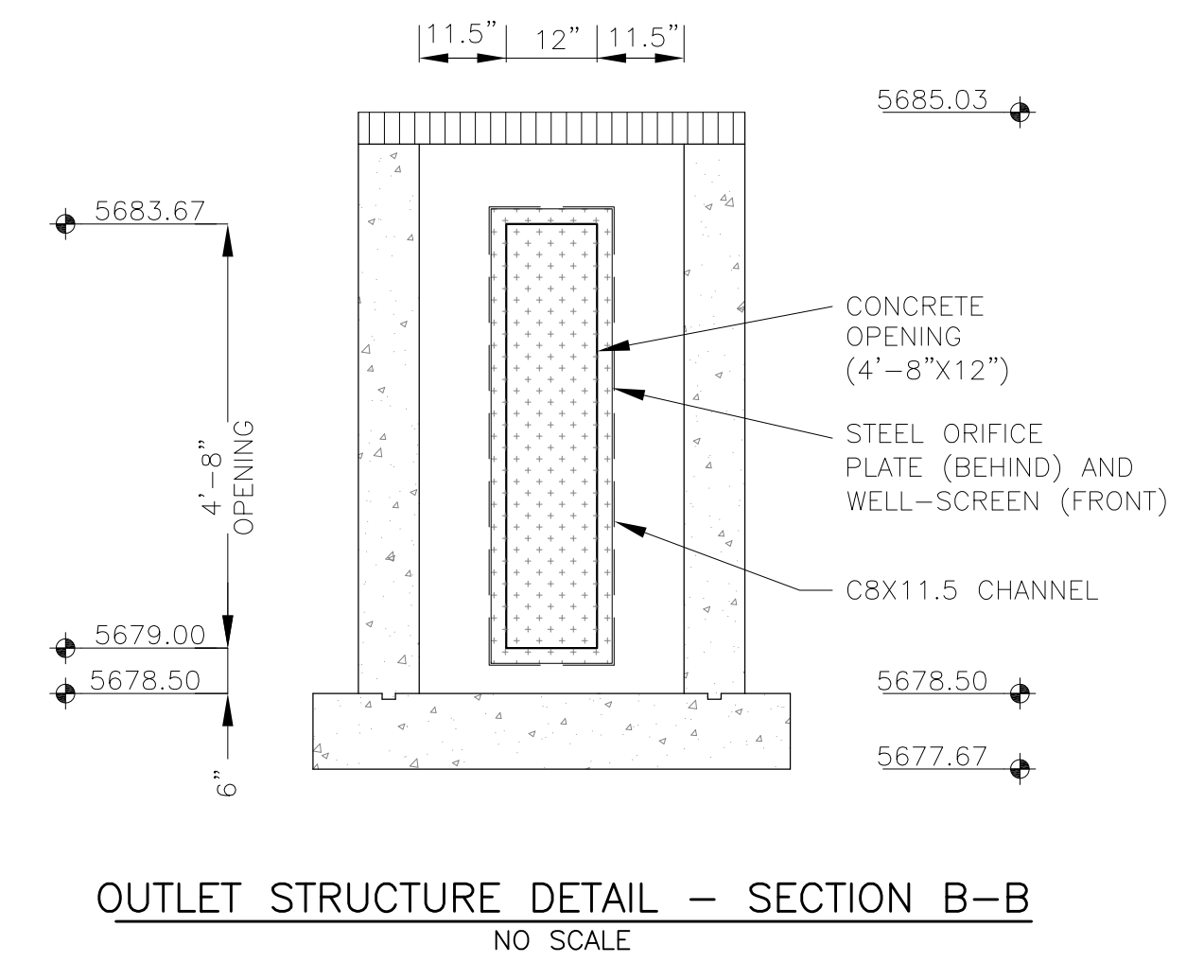
OUTLET STRUCTURE, FOREBAY, AND DRAIN CHANNEL NOTES:

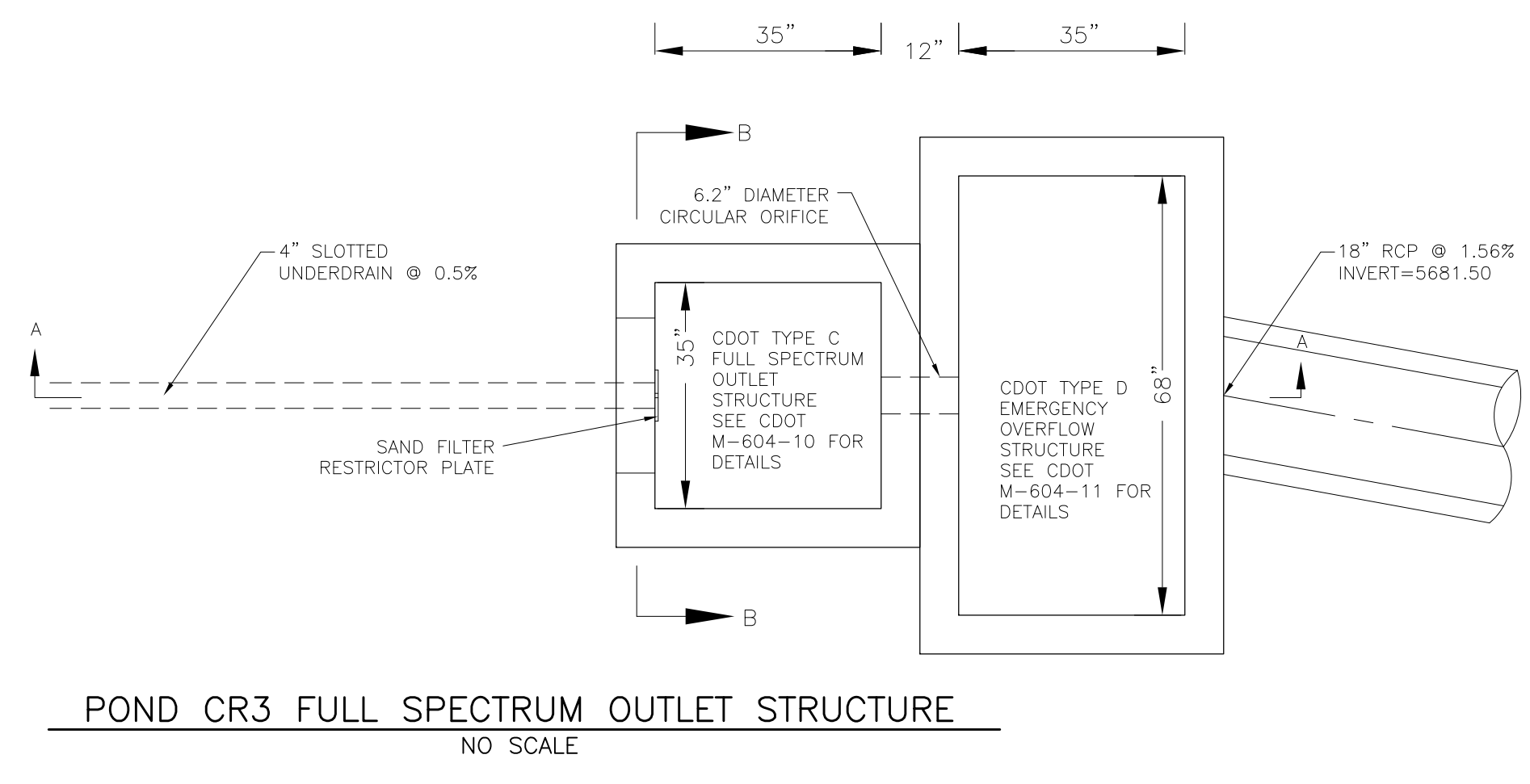
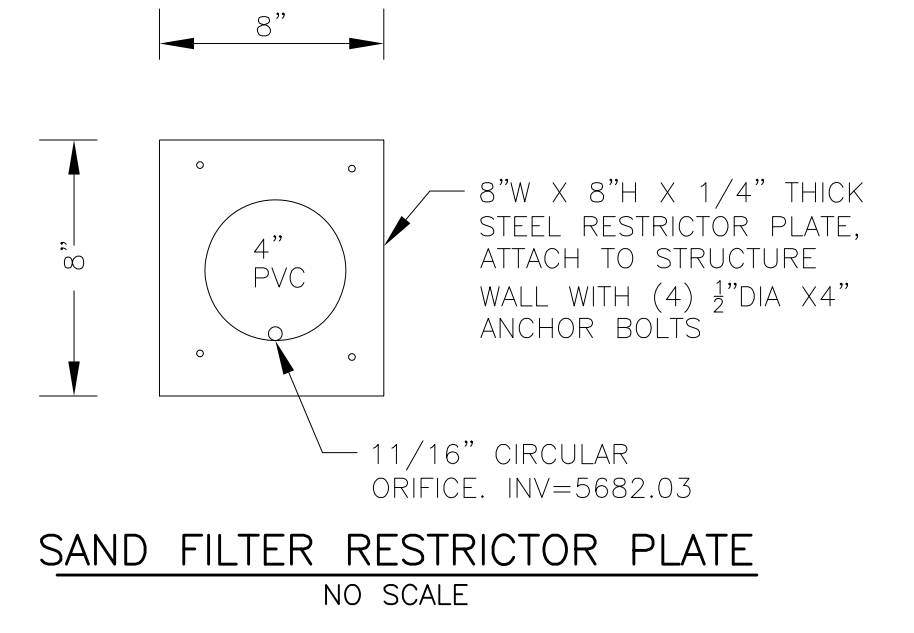
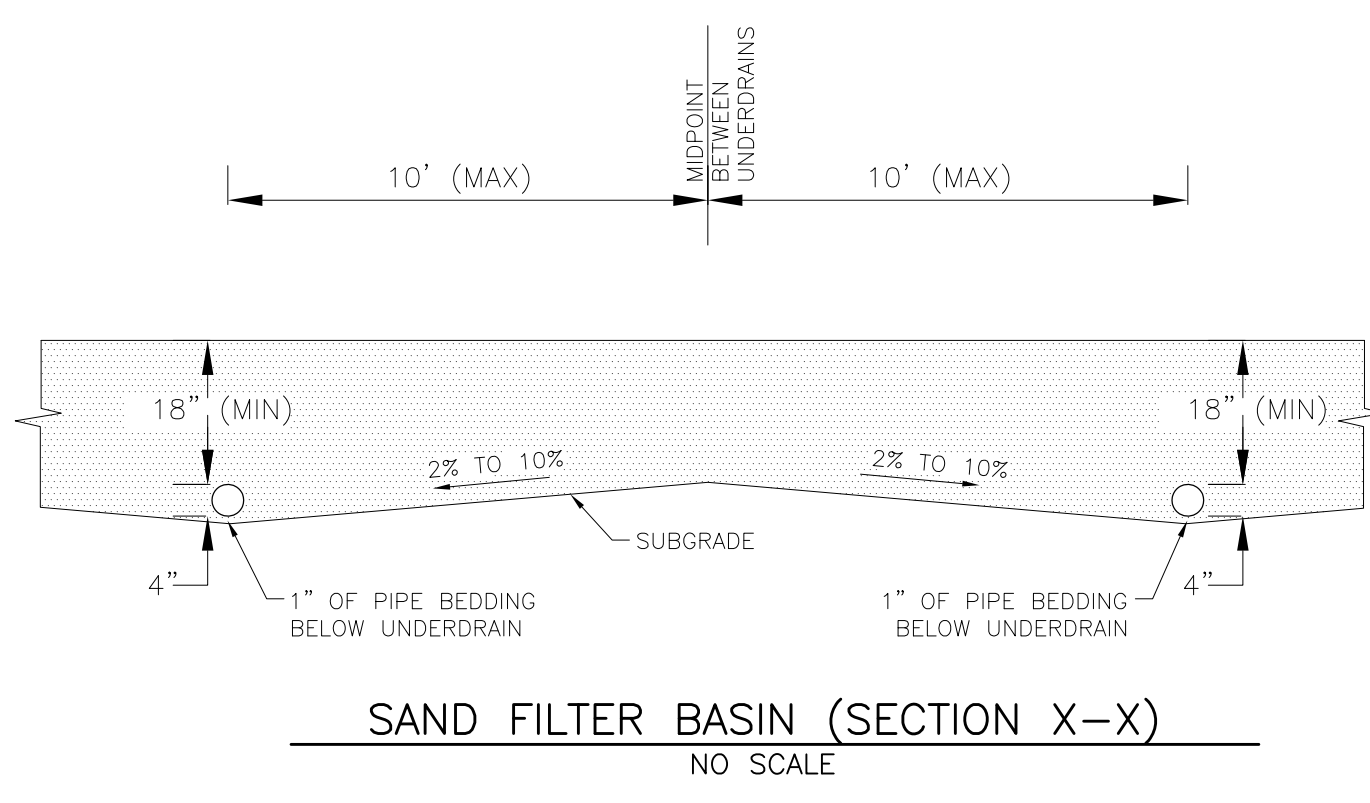
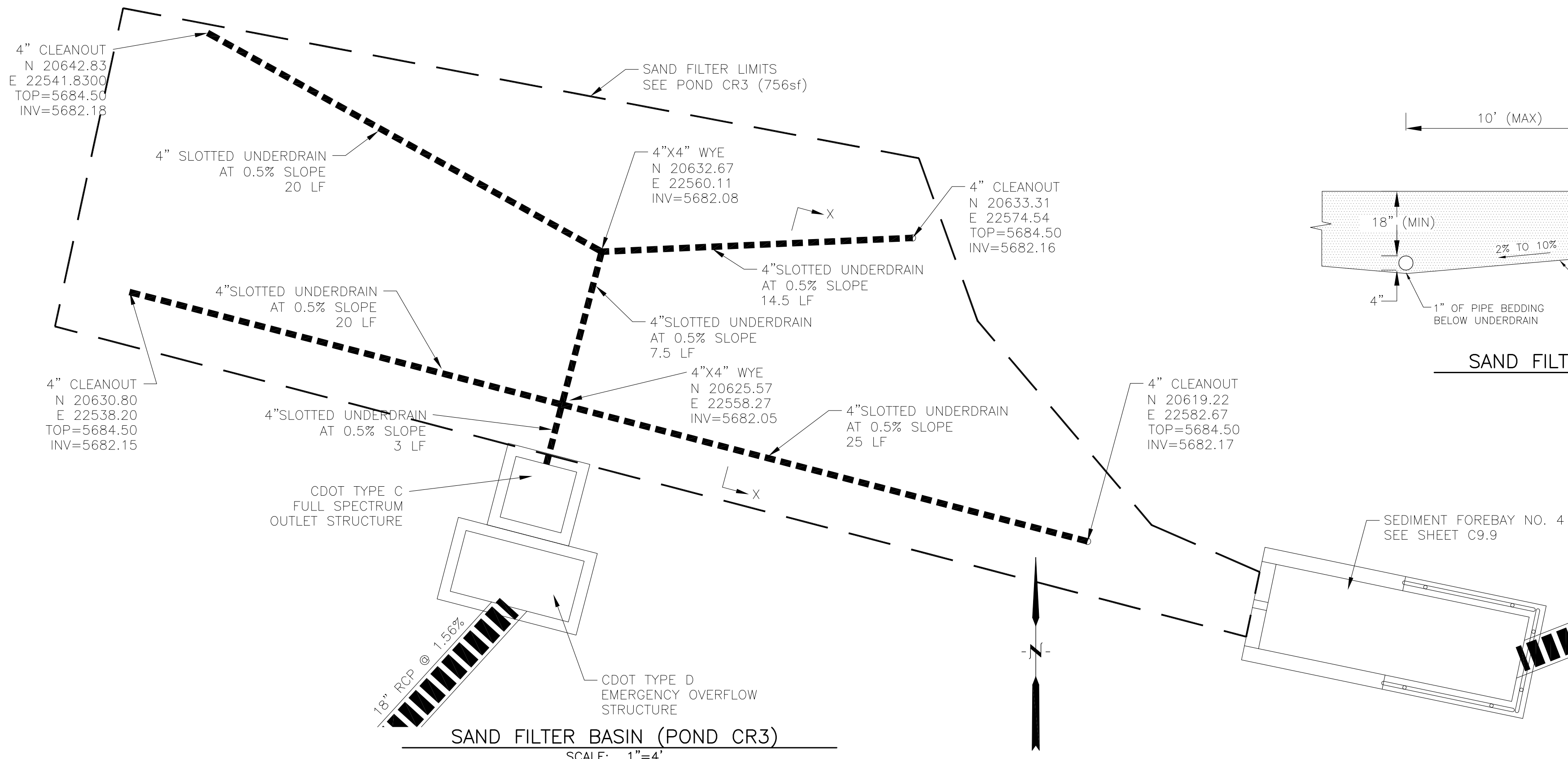
1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL COMPONENTS OF THE OUTLET STRUCTURE.
2. GRADE 60 REINFORCING STEEL REQUIRED. SEE TABLE FOR THE MINIMUM LAP SPLICE LENGTH FOR REINFORCING BARS. ALL REINFORCING STEEL SHALL HAVE A TWO-INCH MINIMUM CLEARANCE FROM EDGE OF CONCRETE, UNLESS OTHERWISE NOTED.

BAR SIZE	#4	#5	#6
MIN. SPLICE LENGTH	1'-3"	1'-7"	2'-0"

3. CONCRETE FOR THE OUTLET STRUCTURE AND FOREBAY SHALL BE CDOT CLASS D CONCRETE.
4. CONCRETE FOR DRAIN CHANNELS SHALL BE CDOT CLASS B CONCRETE
5. EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M-213. EXPANSION JOINT MATERIAL SHALL BE 1/2" THICK, SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE AND THE JOINT SHALL BE SEALED, REFER TO DETAILS.
6. ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 3/8" CHAMFER UNLESS OTHERWISE NOTED.
7. SUBGRADE TO BE 12" THICK CLEAN FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY PER ASTM M698 UNDER STRUCTURE.
8. REFER TO POND DETAILS FOR PRESEDIMENTATION/FOREBAY DESIGN.
9. ENGINEER SHALL BE NOTIFIED PRIOR TO BEGINNING CONSTRUCTION OF OUTLET STRUCTURE TO SCHEDULE OBSERVATION VISITS FOR STRUCTURES.

- WQCV WELL-SCREEN NOTES:**
1. Well-Screen shall be stainless steel and attached by stainless steel bolts along edge of the mounting frame.
 2. WQCV Well Screen
 - Type of Screen: Stainless steel #93 Vee Wire (Johnson Vee Wire (tm) Stainless Steel Screen or equivalent with 60% open area)
 - Screen slot opening dimension: 0.139" (Screen #93 Vee Wire Slot Opening)
 - Type and Size of Support Rod: 1E 0.074"x0.50"
 - Spacing of Support Rod (O.C.): 1.0 Inch
 - Total Screen Thickness: 0.655"
 - Carbon Steel Holding Frame Type: 3/4" x 1.0" angle





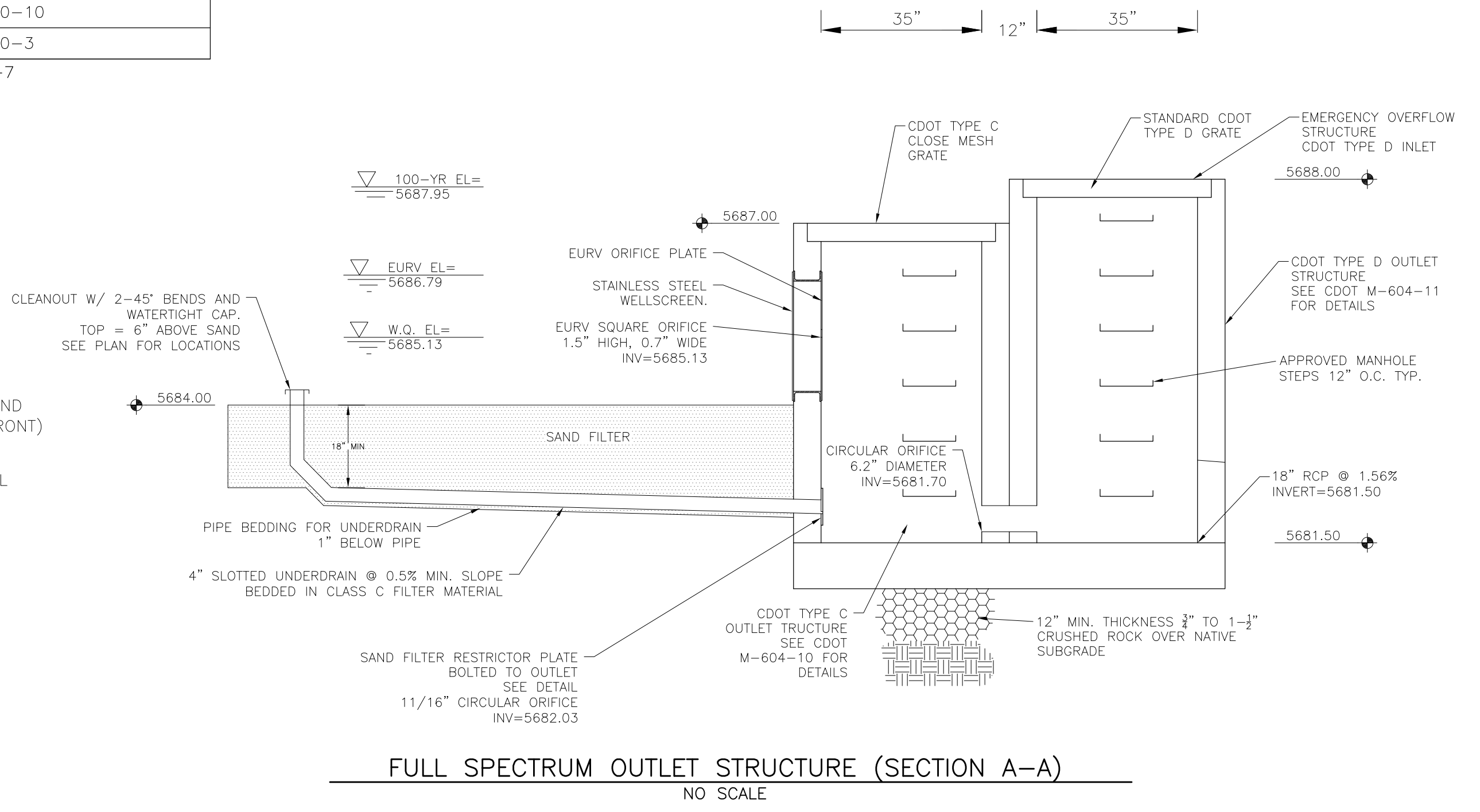
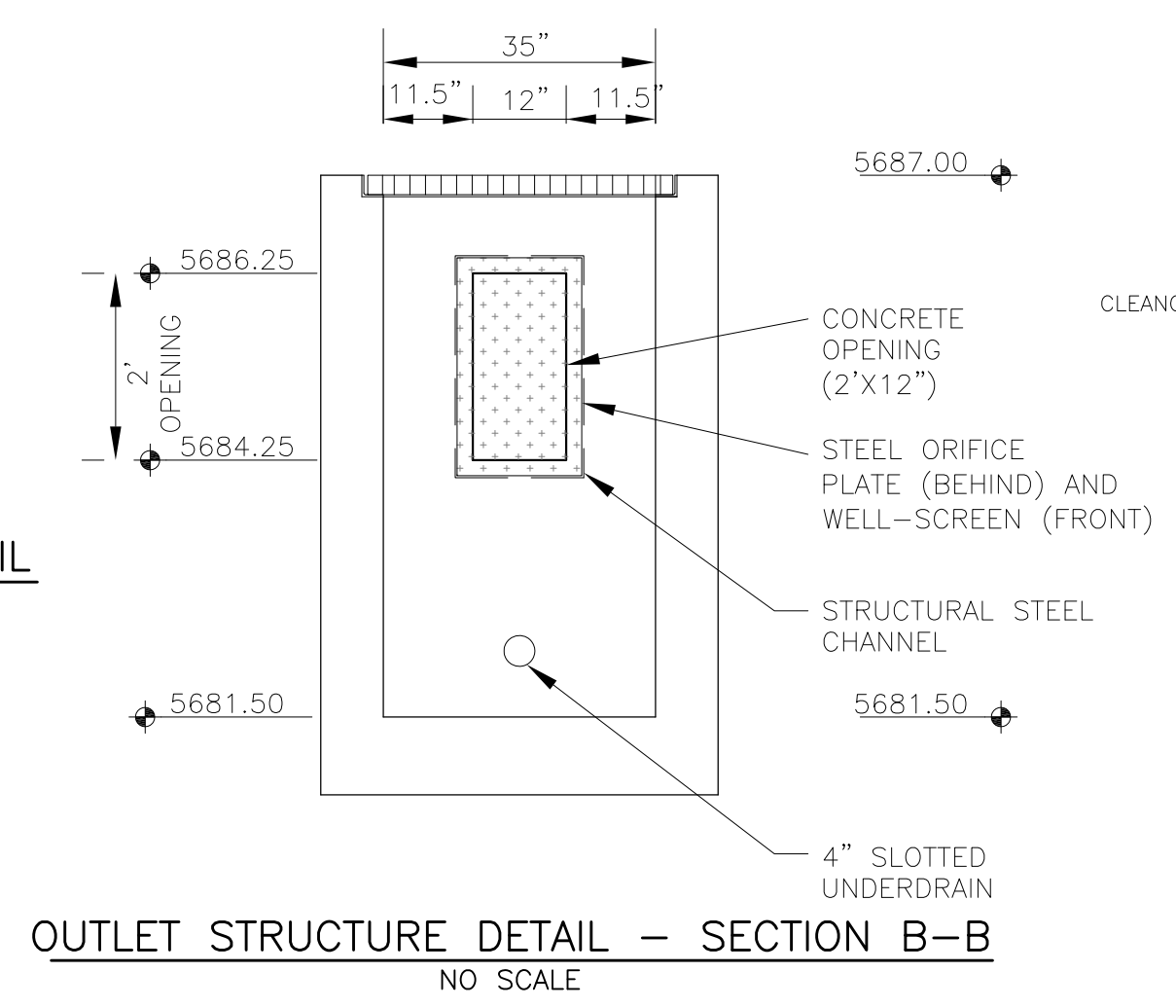
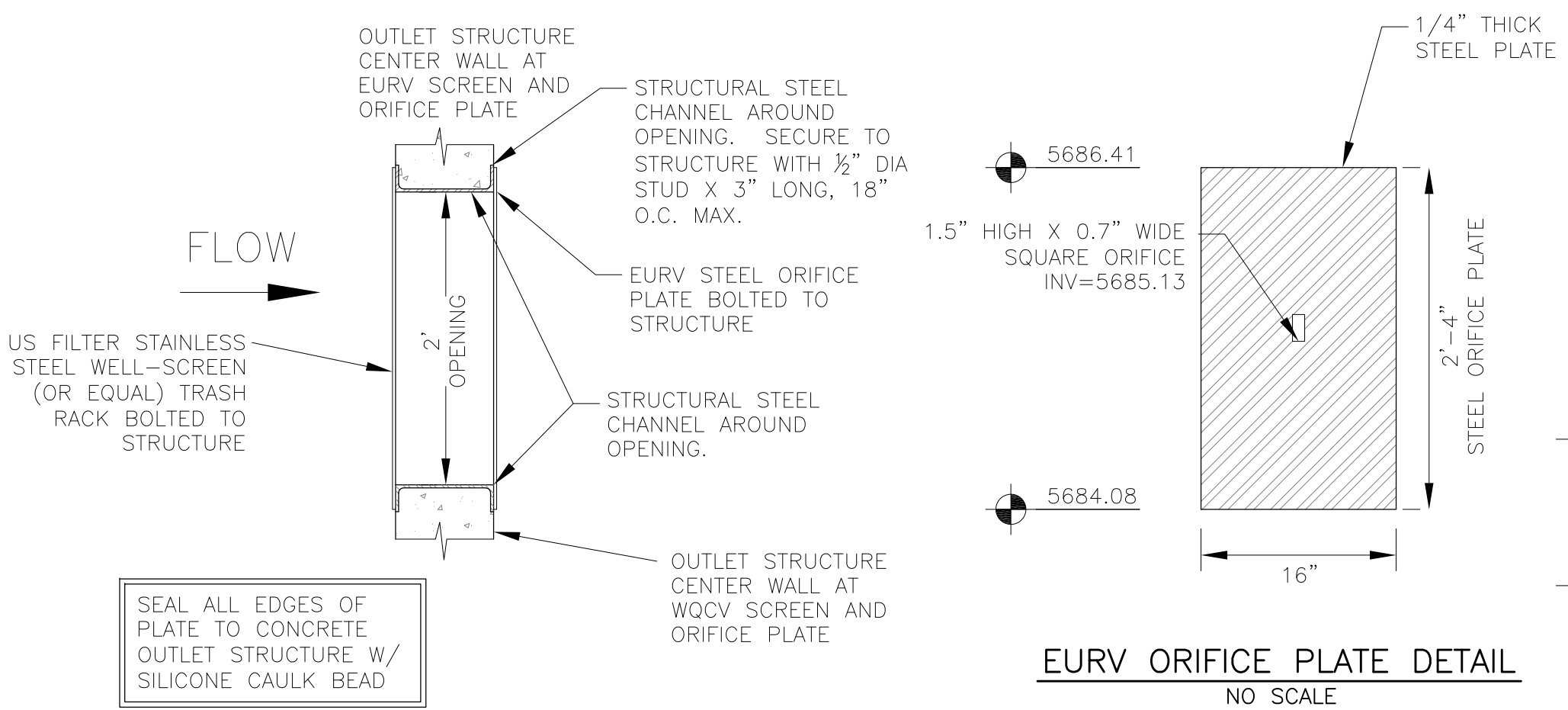
OUTLET STRUCTURE, FOREBAY, AND DRAIN CHANNEL NOTES:

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL COMPONENTS OF THE OUTLET STRUCTURE.
- CONSTRUCTION OF CDOT TYPE C AND CDOT TYPE D STRUCTURES SHALL BE IN ACCORDANCE WITH CDOT M-604-10 AND M-604-11 EXCEPT WHERE MODIFIED IN THESE CONSTRUCTION PLANS.
- SUBGRADE TO BE 12" THICK CLEAN FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY PER ASTM M698 UNDER STRUCTURE.
- 4" SLOTTED UNDERDRAIN SHALL BE CONTECH A-2000 OR EQUAL MEETING ASTM F949. SLOTS SHALL BE 1-1/16" LONG, 0.032" WIDE, 0.413" ON CENTER, AND HAVE AN OPEN AREA OF 1.90 SQUARE INCHES.
- SAND FILTER MATERIAL SHALL MEET CDOT CLASS C FILTER MATERIAL. SEE CDOT TABLE 703-7
- REFER TO SHEET C9.9 FOR PRESEDIMENTATION/FOREBAY DESIGN.
- ENGINEER SHALL BE NOTIFIED PRIOR TO BEGINNING CONSTRUCTION OF OUTLET STRUCTURE TO SCHEDULE OBSERVATION VISITS FOR STRUCTURES AND SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES WITHIN THESE PLANS.

GRADATION SPECIFICATIONS FOR CDOT CLASS C FILTER MATERIAL

SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
37.5 mm (1.5")	
19.0 mm (0.75")	100
4.75 mm (No. 4)	60-100
1.18 um (No. 16)	
300 um (No. 50)	10-30
150 um (No. 100)	0-10
75 um (No. 200)	0-3

SOURCE: CDOT TABLE 703-7



- TRASH RACK DETAIL**
NO SCALE
- WQCV WELL-SCREEN NOTES:**
- Well-Screen shall be stainless steel and attached by stainless steel bolts along edge of the mounting frame.
 - WQCV Well Screen
 - Type of Screen: Stainless steel #93 Vee Wire (Johnson Vee Wire (tm) Stainless Steel Screen or equivalent with 60% open area)
 - Screen slot opening dimension: 0.139" (Screen #93 Vee Wire Slot Opening)
 - Type and Size of Support Rod: TE 0.074"X0.50"
 - Spacing of Support Rod (O.C.): 1.0 Inch
 - Total Screen Thickness: 0.655"
 - Carbon Steel Holding Frame Type: 3/4" x 1.0" angle

CORE ENGINEERING GROUP
15004 1ST AVENUE S.
DENVER, CO 80202
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cog1.com

DATE: _____
DESCRIPTION: _____
NO: _____

PREPARED FOR: **LORSON, LLC**
212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
CONTRACT NO. KEMPSAR-01-01
COLORADO SPRINGS, COLORADO

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

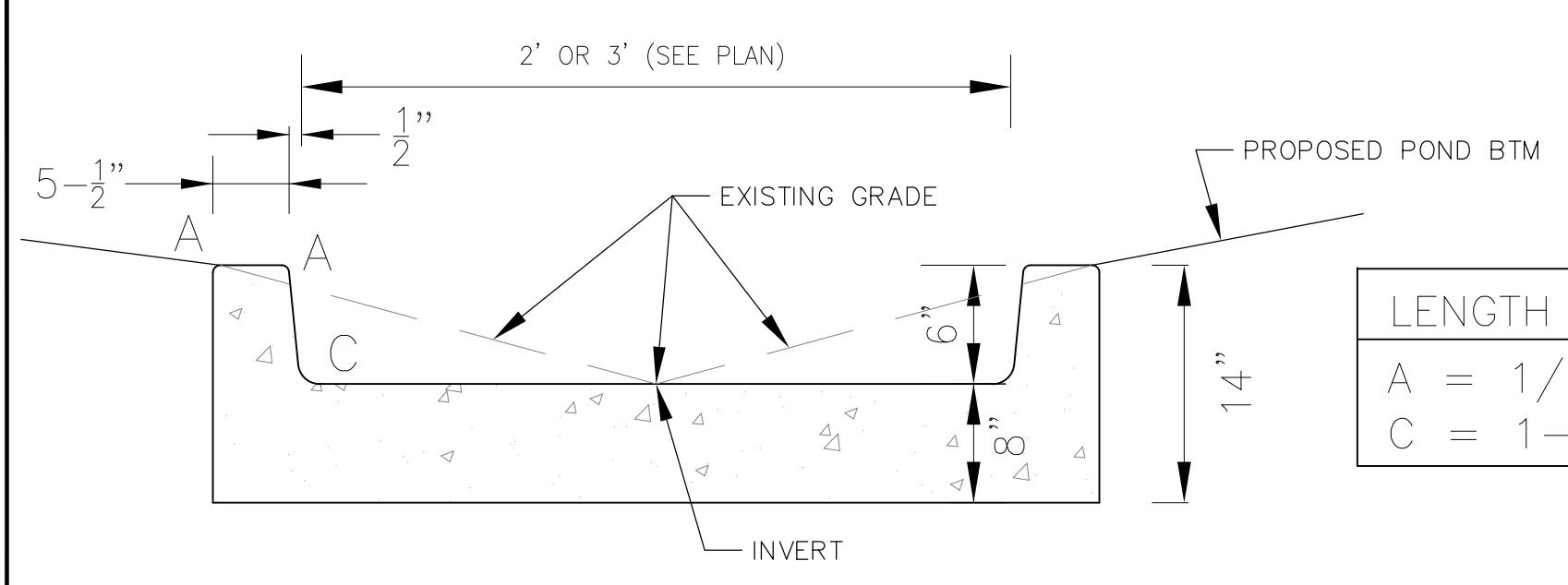
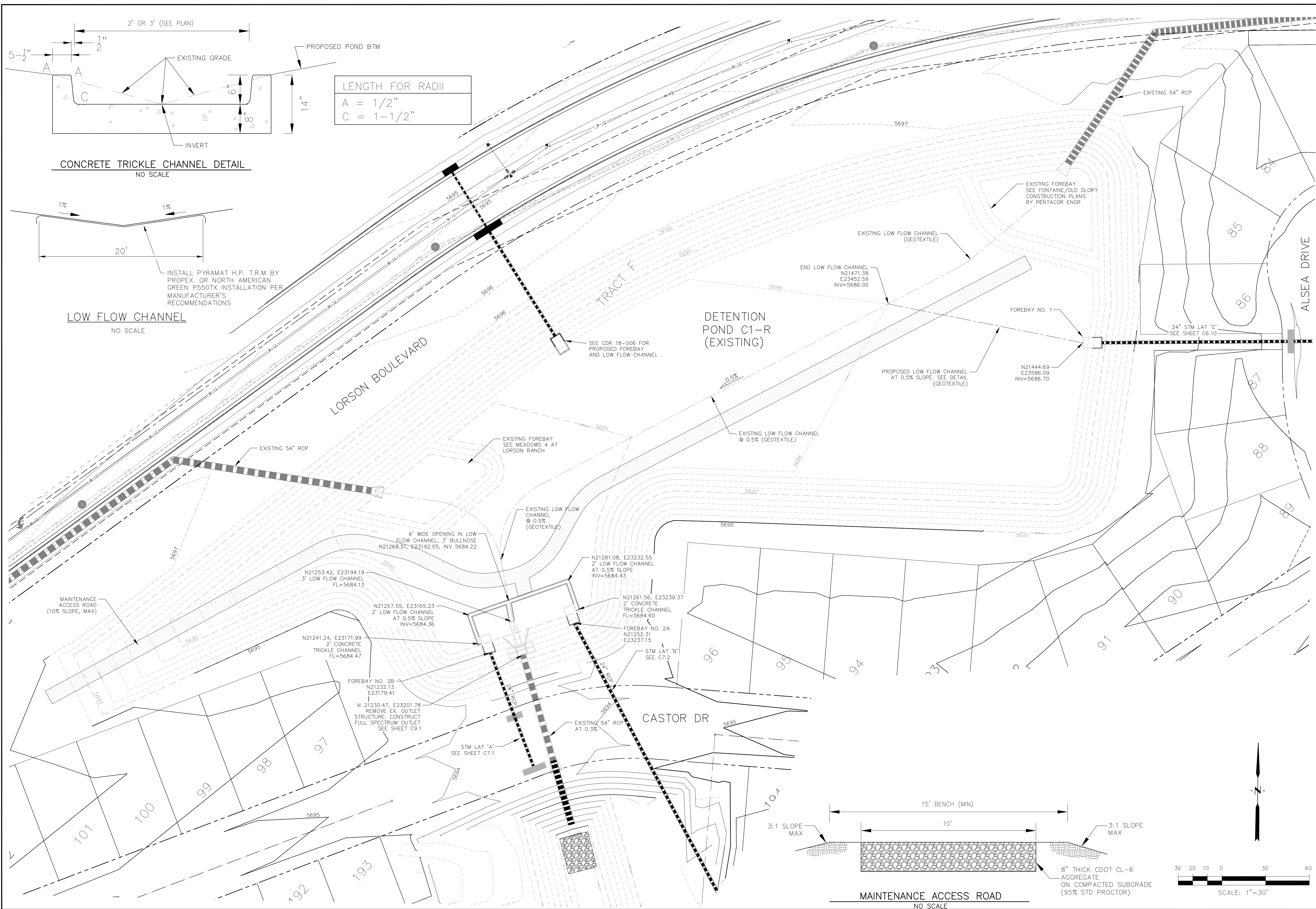
FULL SPECTRUM POND CR3 WITH SAND FILTER BASIN OUTLET STRUCTURE DETAILS

DATE: APRIL 15, 2019

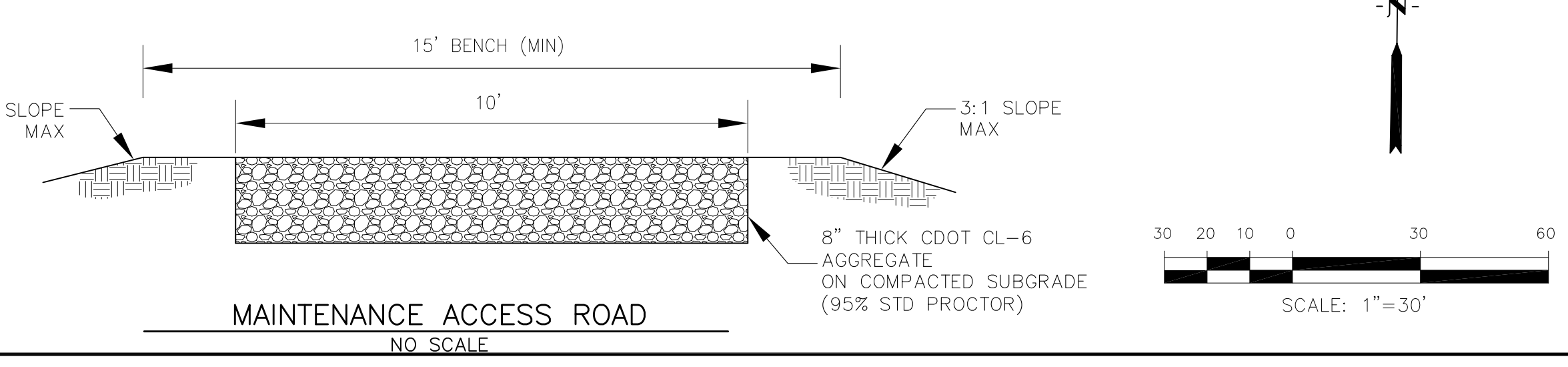
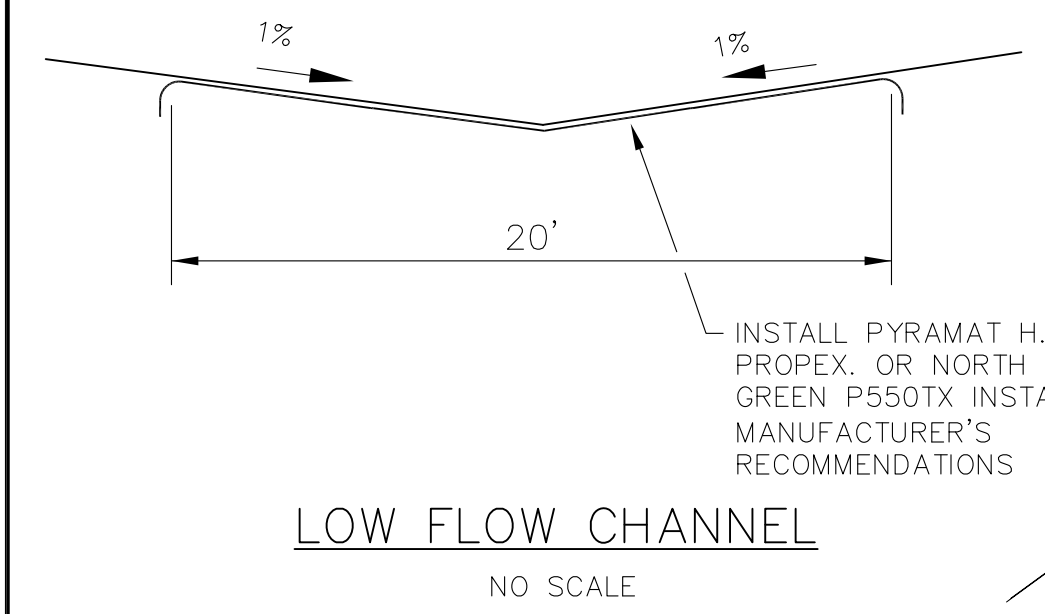
PROJECT NO. 100.045

SHEET NUMBER C9.4

TOTAL SHEETS: 34



LENGTH FOR RADII	
A	= 1/2"
C	= 1-1/2"



CORE ENGINEERING GROUP
 15004 1ST AVENUE S.
 BLDG 100
 PHO: 719.570.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@ceg1.com

DATE: _____
 DESCRIPTION: _____
 NO: _____
 PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 RANCH BLVD. KEMPACRE, JR. CONC. COLORADO SPRINGS, COLORADO
 CONTACT: JEFF MARK

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

**CREEKSIDE AT LORSON RANCH FIL. 1
 EXISTING DETENTION POND C1-R
 MODIFICATIONS**

DATE: APRIL 15, 2019
 PROJECT NO: 100.045
 SHEET NUMBER: **C9.5**
 TOTAL SHEETS: 34

POINT TABLE				
NUMBER	NORTHING	EASTING	ELEVATION	NOTES
1	20131.46	21604.97	5682.00	TOP OUTLET STRUCTURE
2	20116.83	21617.48	5679.80	18" RCP STORM SEWER OUTLET PIPE
3	20109.41	21522.51	5682.04	TRICKLE CHANNEL INVERT
4	20108.57	21527.70	5681.99	TRICKLE CHANNEL INVERT
5	20110.26	21582.25	5681.56	TRICKLE CHANNEL INVERT
6	20128.44	21604.01	5681.33	TRICKLE CHANNEL INVERT
7	20122.07	21522.11	5682.50	RCP STORM SEWER INVERT INTO FOREBAY
8	20205.30	21652.72	5683.00	POND BOTTOM
9	20210.63	21680.38	5683.00	POND BOTTOM
10	20229.82	21737.23	5689.00	DIVERSION SWALE
11	20290.52	21843.85	5690.96	DIVERSION SWALE
12	20344.76	21910.71	5691.99	DIVERSION SWALE

CORE ENGINEERING GROUP
 15004 1ST AVENUE, S.
 BLDG 100, SUITE 5506
 DENVER, CO 80231
 PHONE: 719.570.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@ceg1.com

DATE: _____
 DESCRIPTION: _____
 NO: _____

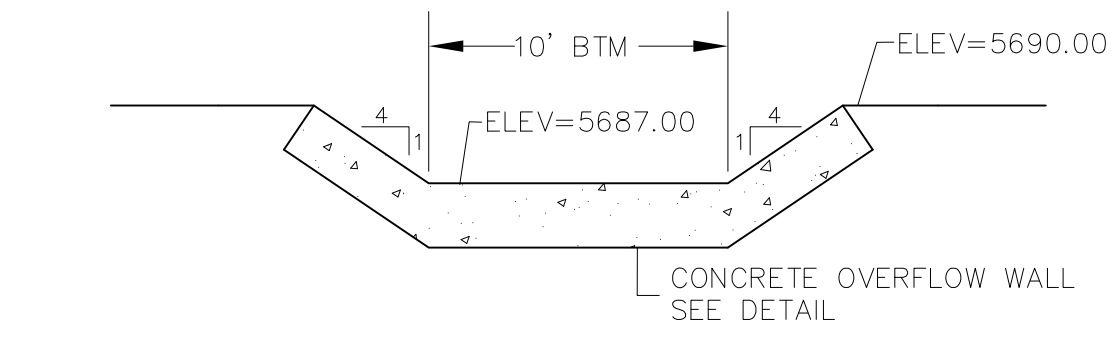
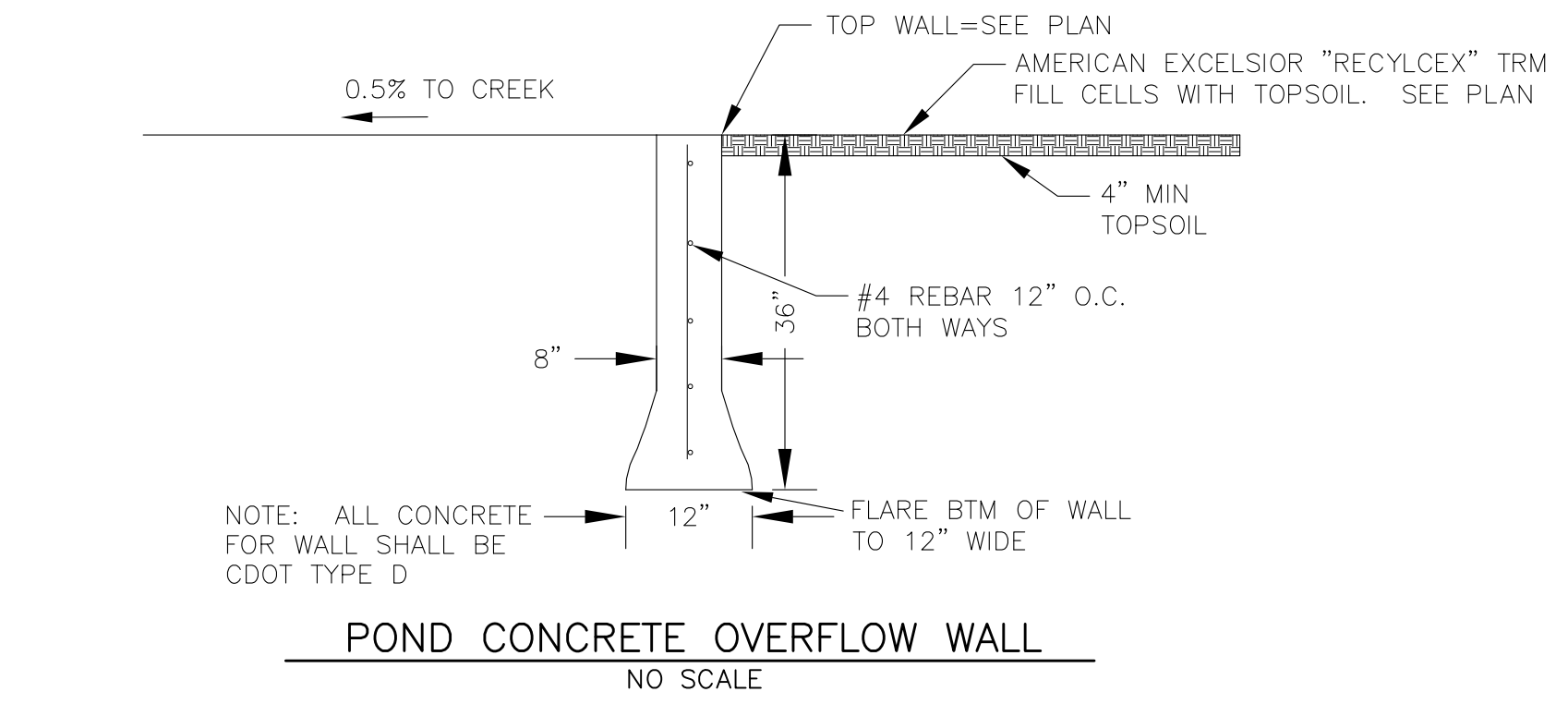
PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 RANCH BLVD. (KEMP) RD.
 COLORADO SPRINGS, COLORADO

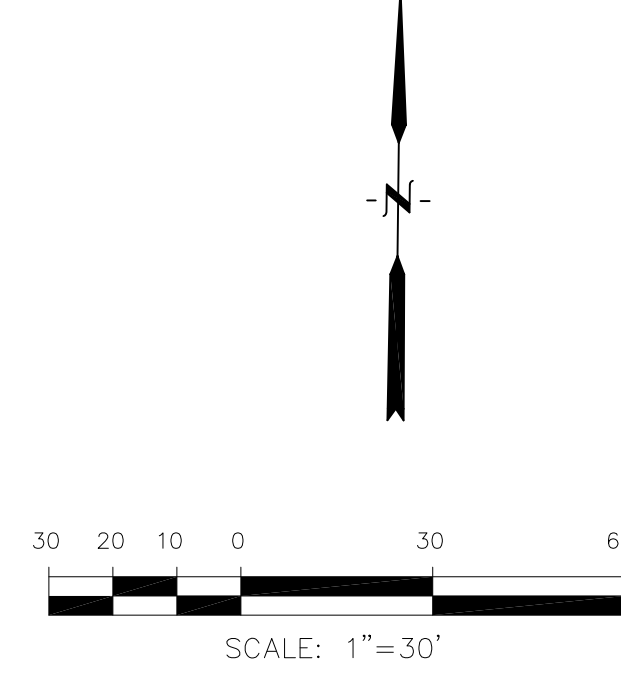
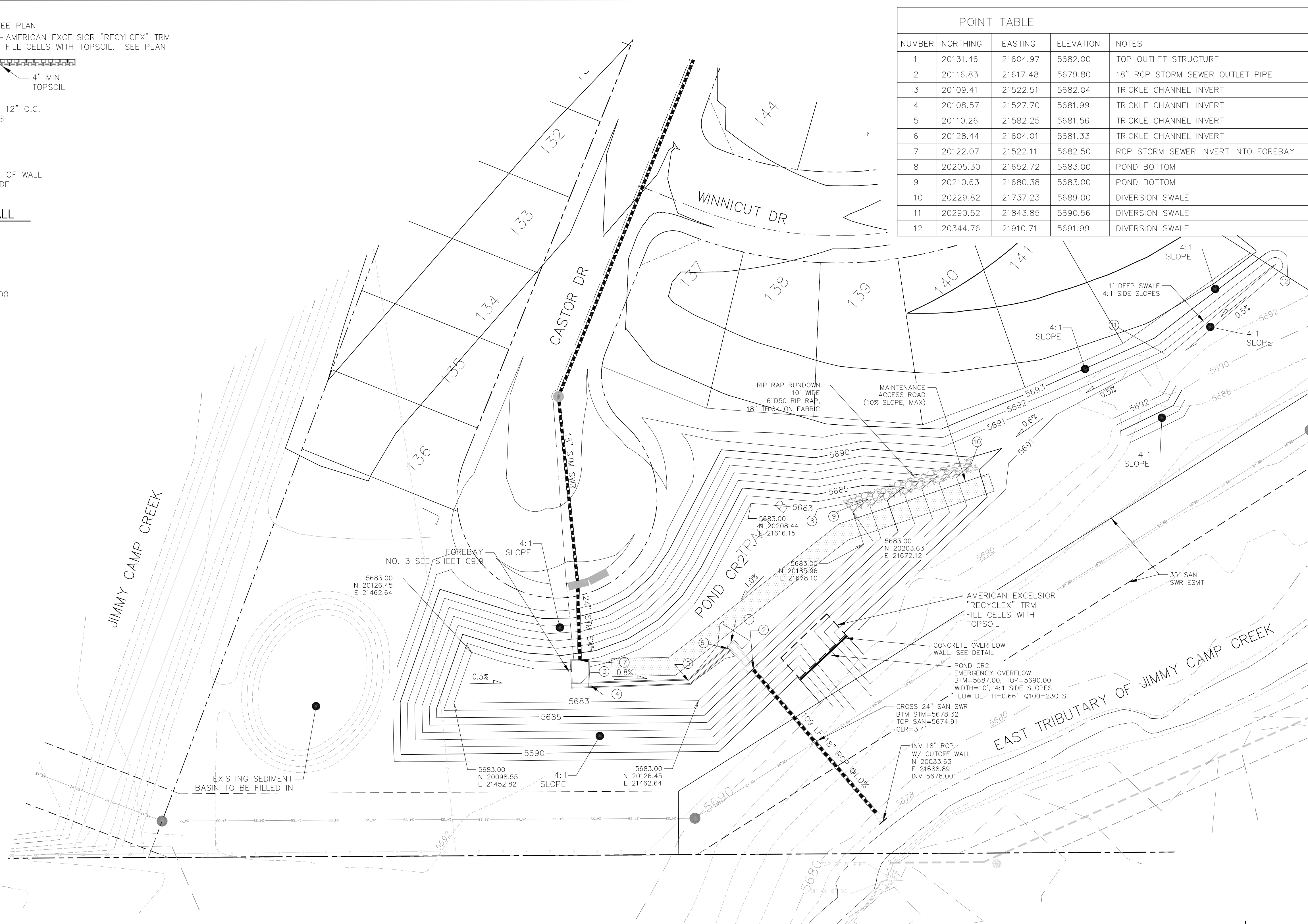
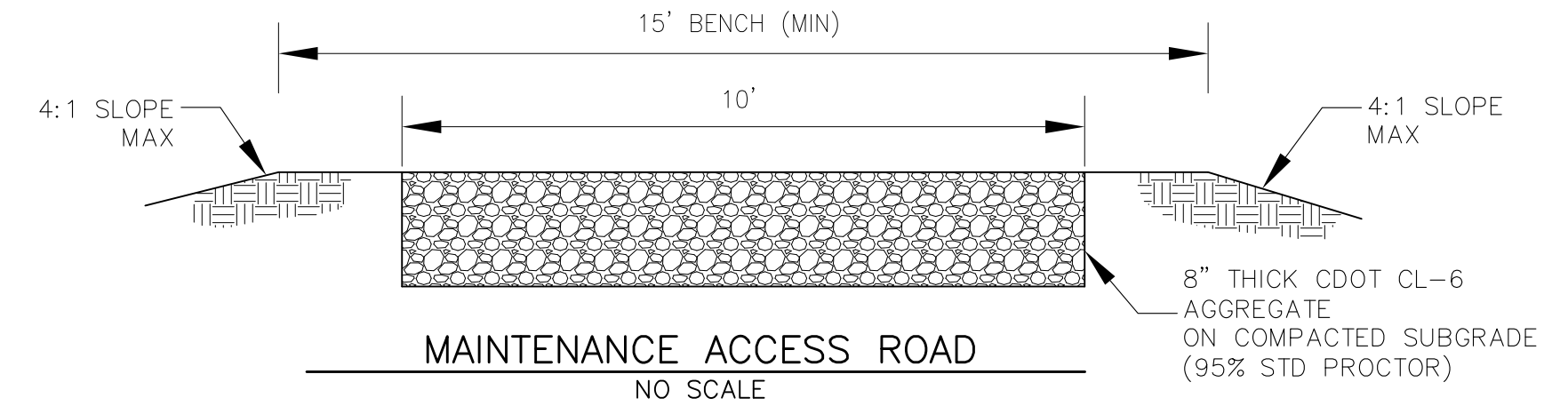
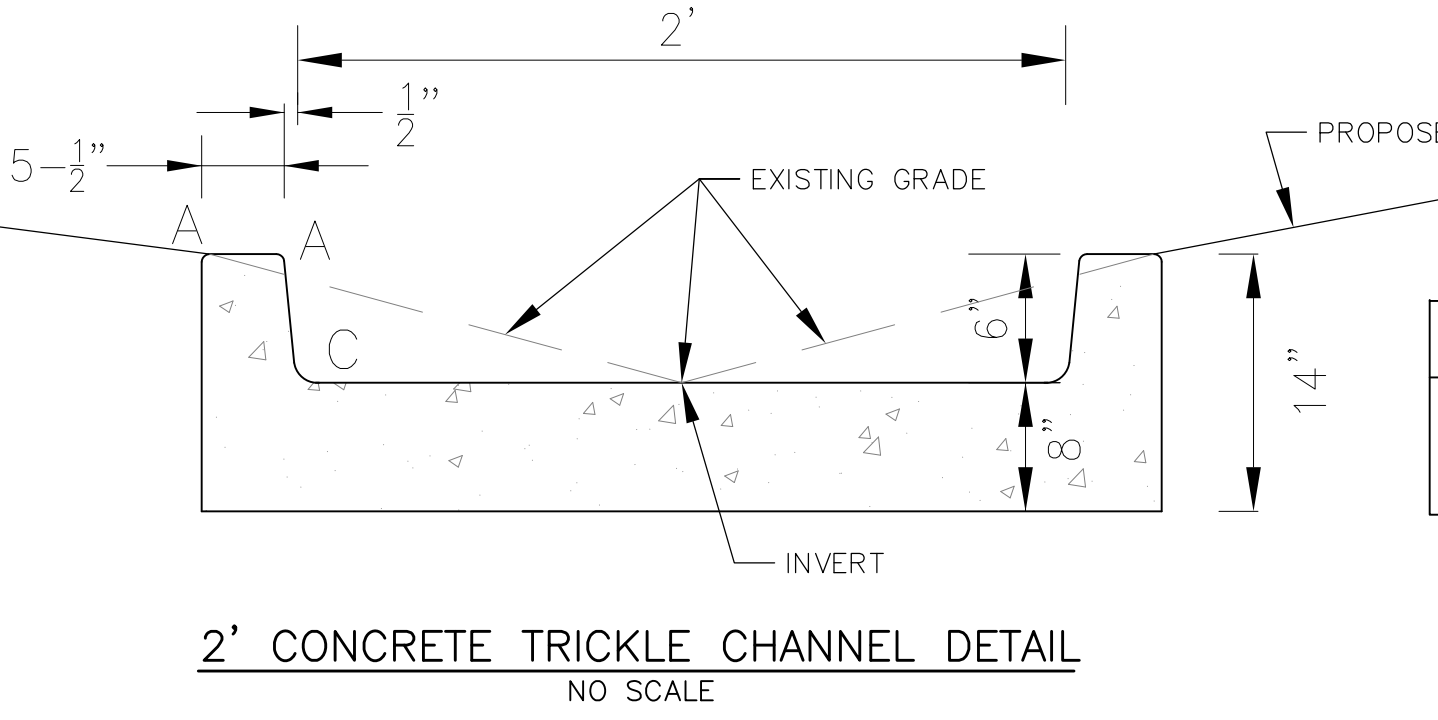
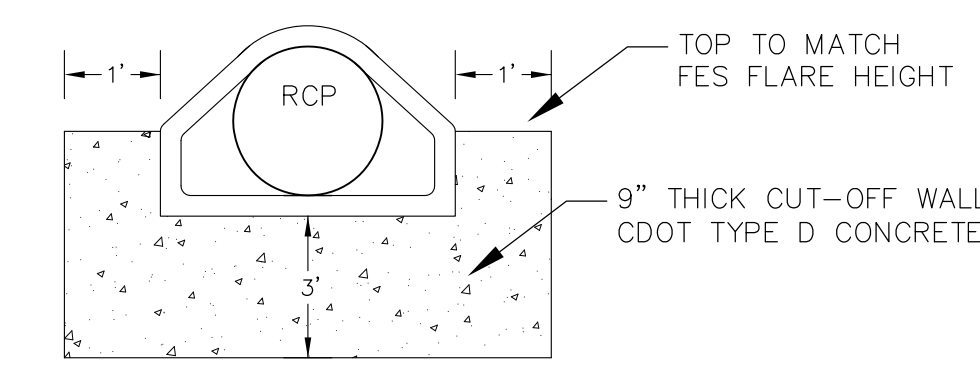
DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

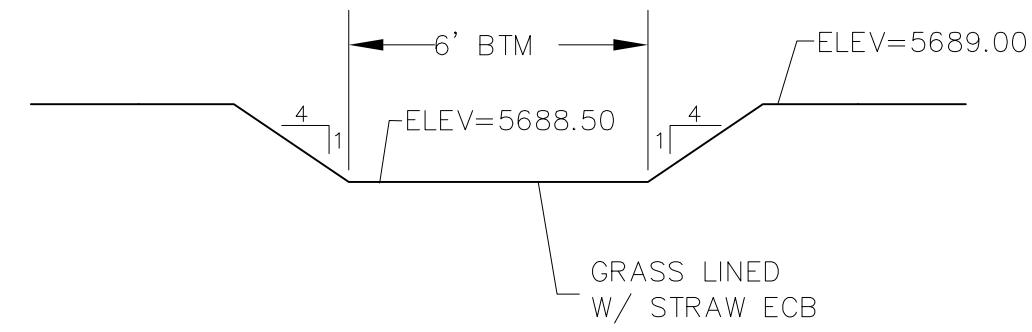
CREEKSIDE AT LORSON RANCH FIL. 1
FULL SPECTRUM DETENTION POND CR2
GRADING AND DETAILS

DATE: APRIL 15, 2019
 PROJECT NO: 100.045
 SHEET NUMBER: C9.6
 TOTAL SHEETS: 34



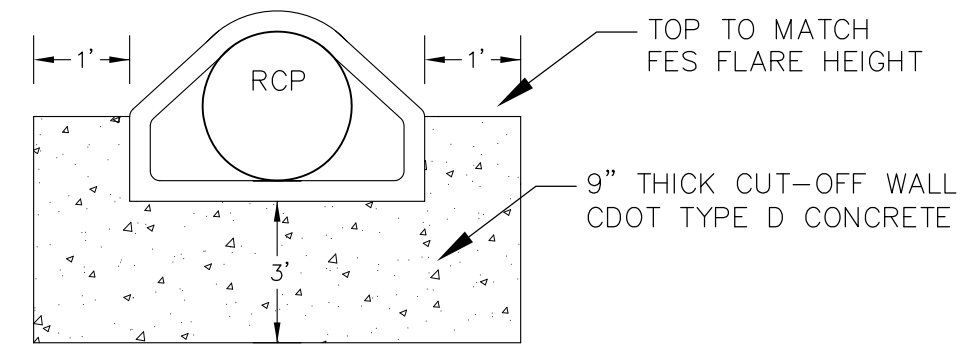
NOTE:
 1. POND SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED
 2. STRAW ECB SHALL BE PLACED ON ALL POND SIDE SLOPES UNLESS NOTED OTHERWISE





POND CR3 SECONDARY EMERGENCY OVERFLOW

SCALE: NTS

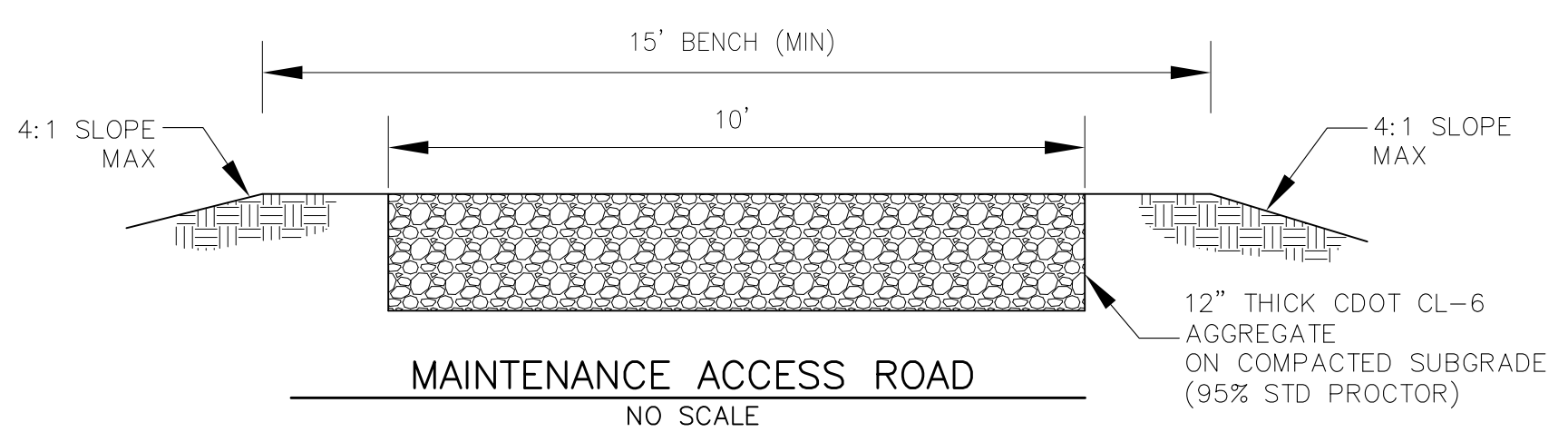
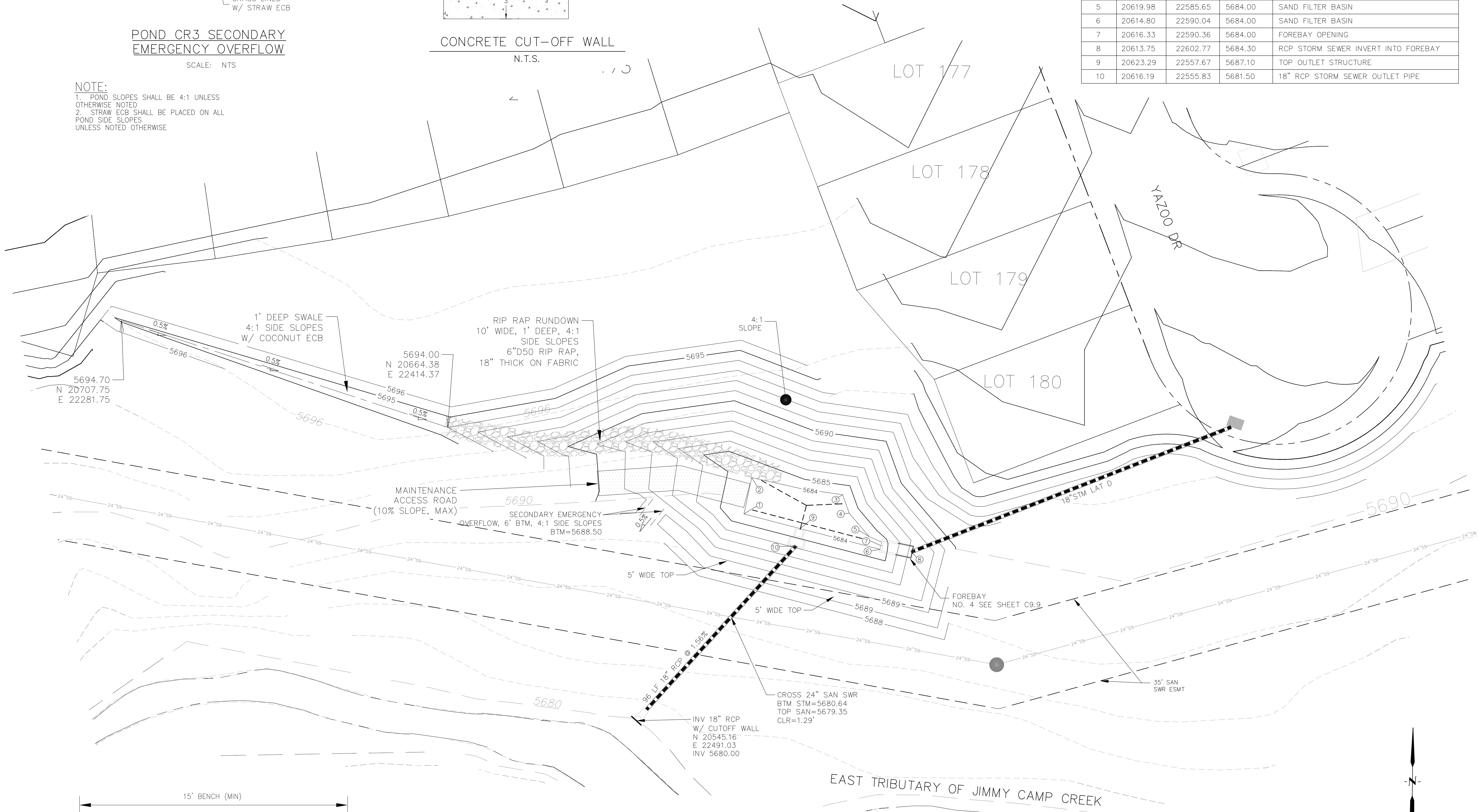


CONCRETE CUT-OFF WALL

N.T.S.

POINT TABLE				
NUMBER	NORTHING	EASTING	ELEVATION	NOTES
1	20629.20	22534.74	5684.00	SAND FILTER BASIN
2	20643.98	22537.90	5684.00	SAND FILTER BASIN
3	20637.02	22574.84	5684.00	SAND FILTER BASIN
4	20629.46	22577.57	5684.00	SAND FILTER BASIN
5	20619.98	22585.65	5684.00	SAND FILTER BASIN
6	20614.80	22590.04	5684.00	SAND FILTER BASIN
7	20616.33	22590.36	5684.00	FOREBAY OPENING
8	20613.75	22602.77	5684.30	RCP STORM SEWER INVERT INTO FOREBAY
9	20623.29	22557.67	5687.10	TOP OUTLET STRUCTURE
10	20616.19	22555.83	5681.50	18" RCP STORM SEWER OUTLET PIPE

NOTE:
 1. POND SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED
 2. STRAW ECB SHALL BE PLACED ON ALL POND SIDE SLOPES UNLESS NOTED OTHERWISE



MAINTENANCE ACCESS ROAD

NO SCALE

CORE ENGINEERING GROUP
 15004 1ST AVENUE, S.
 P.O. BOX 5506
 PHOENIX, AZ 85018
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@ceg1.com

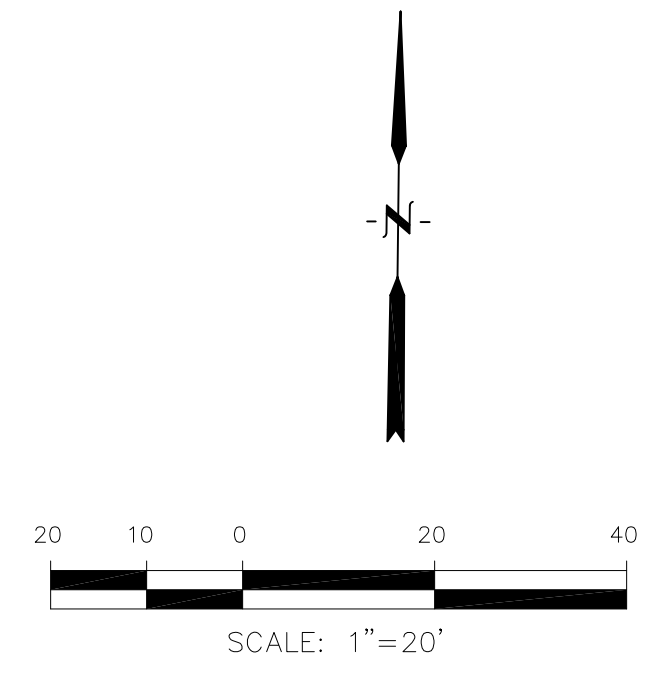
DATE: _____
 DESCRIPTION: _____
 NO: _____
 PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

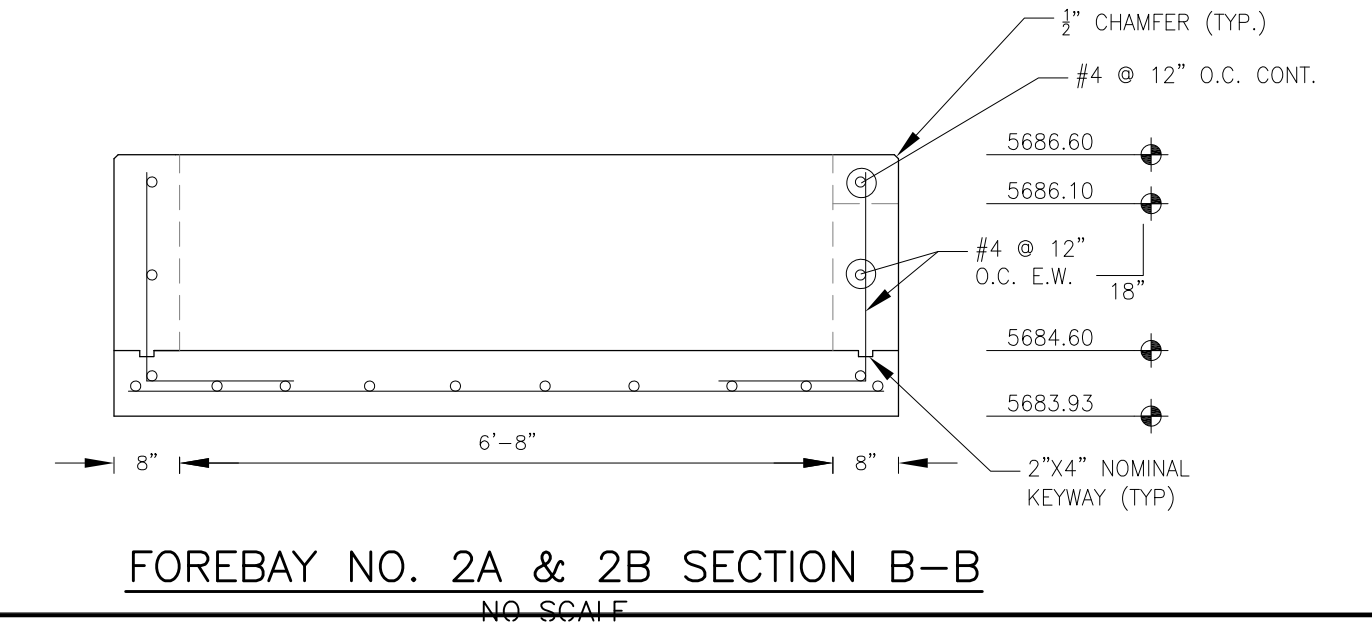
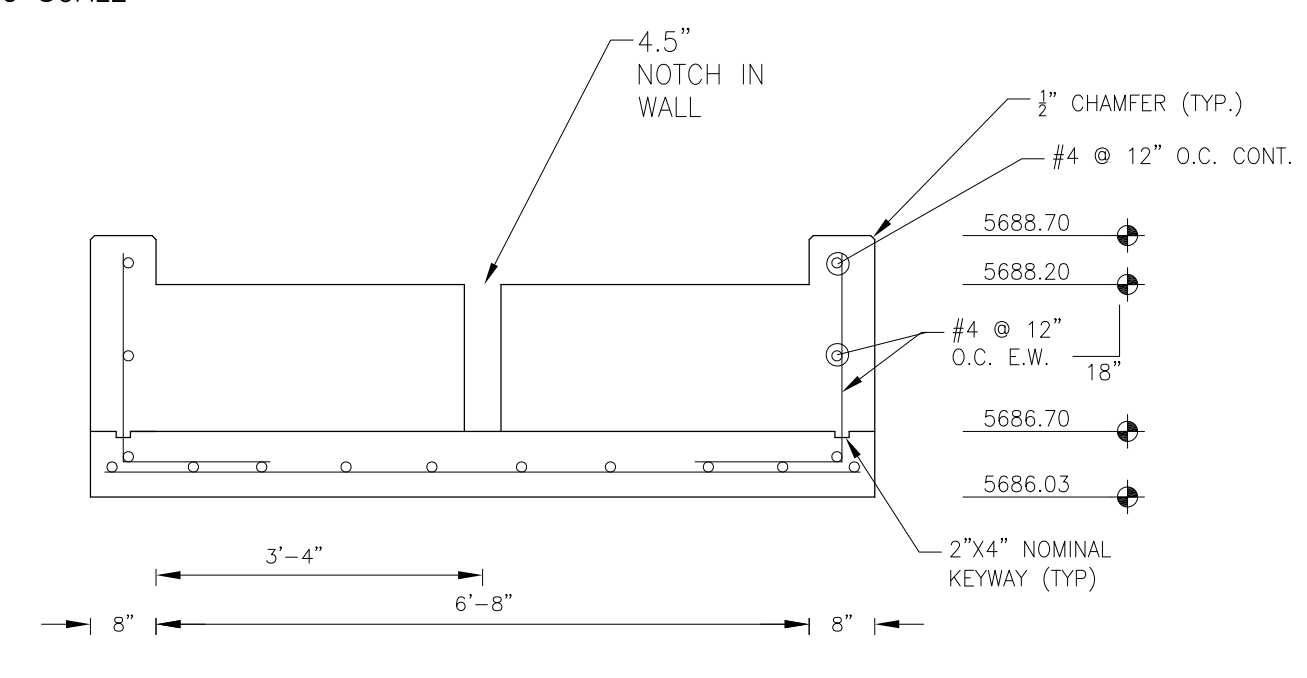
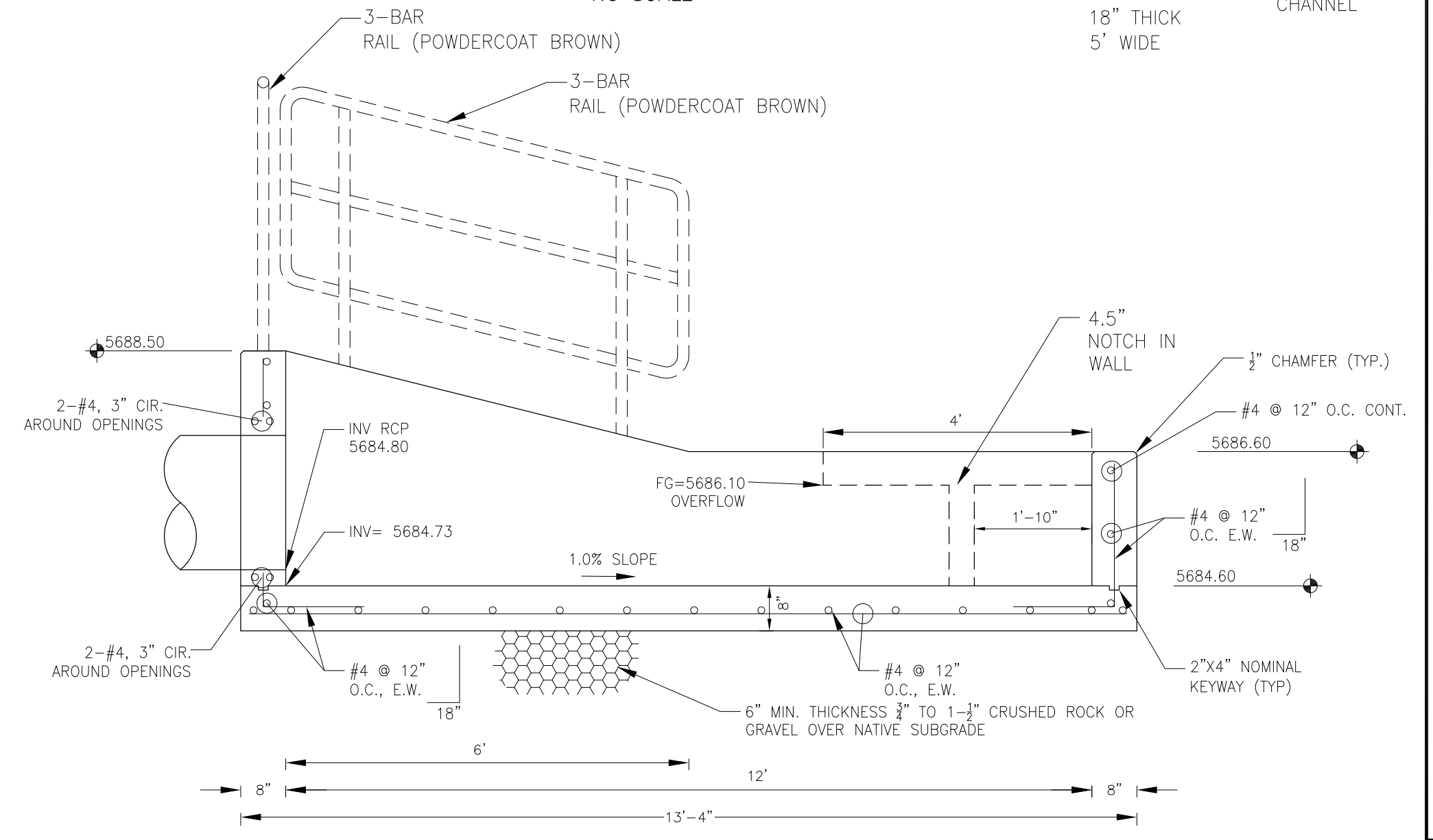
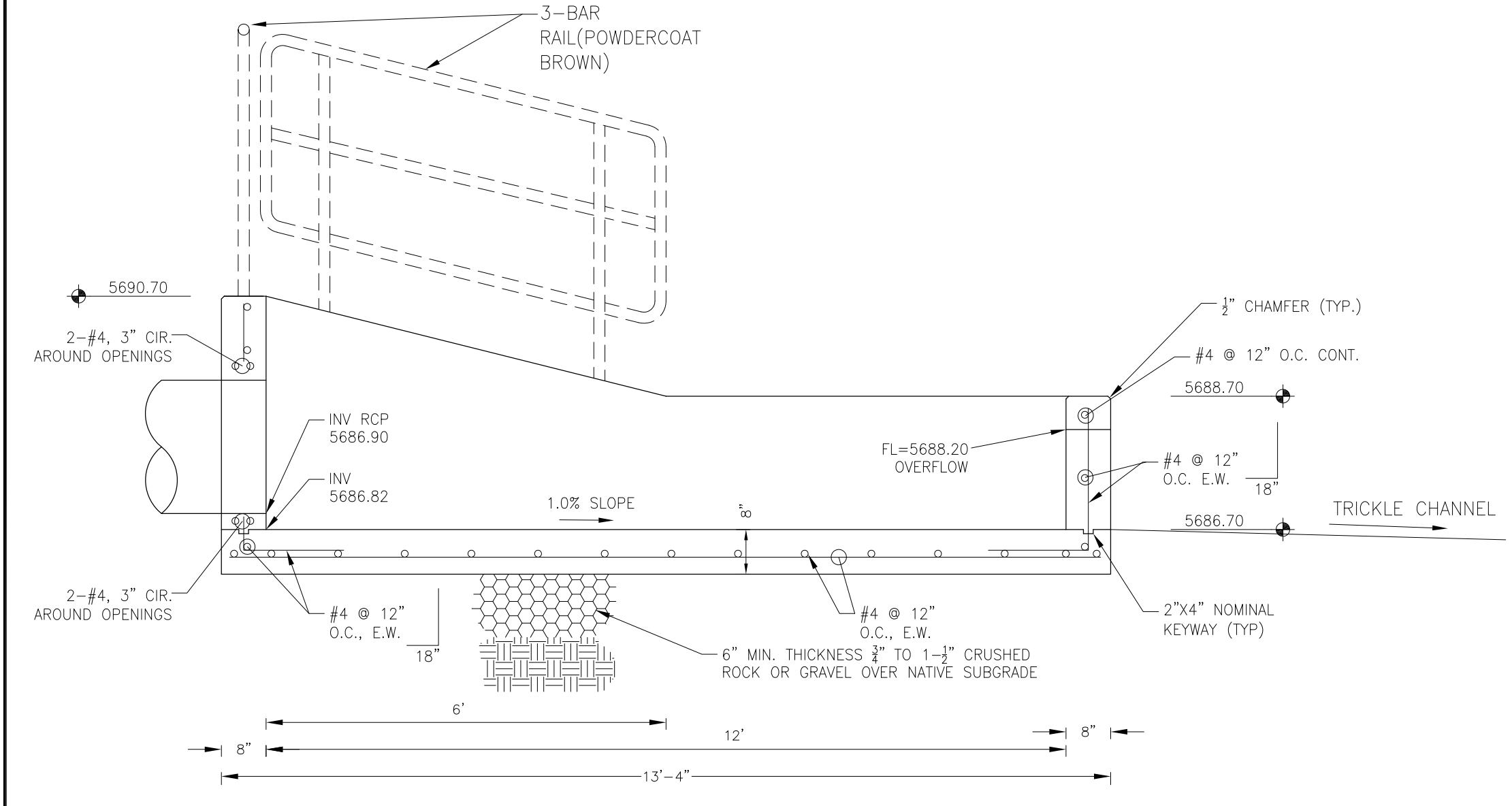
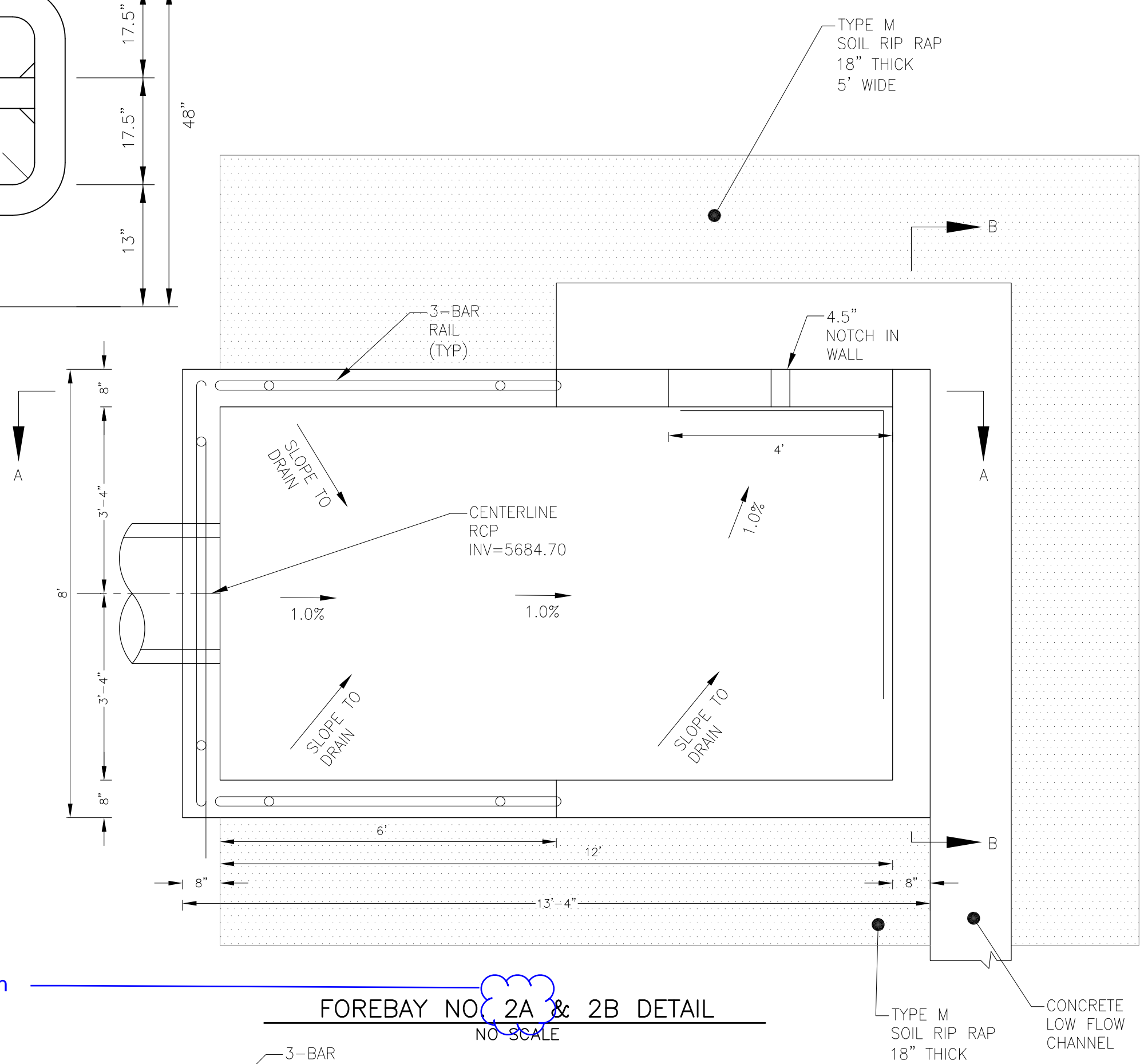
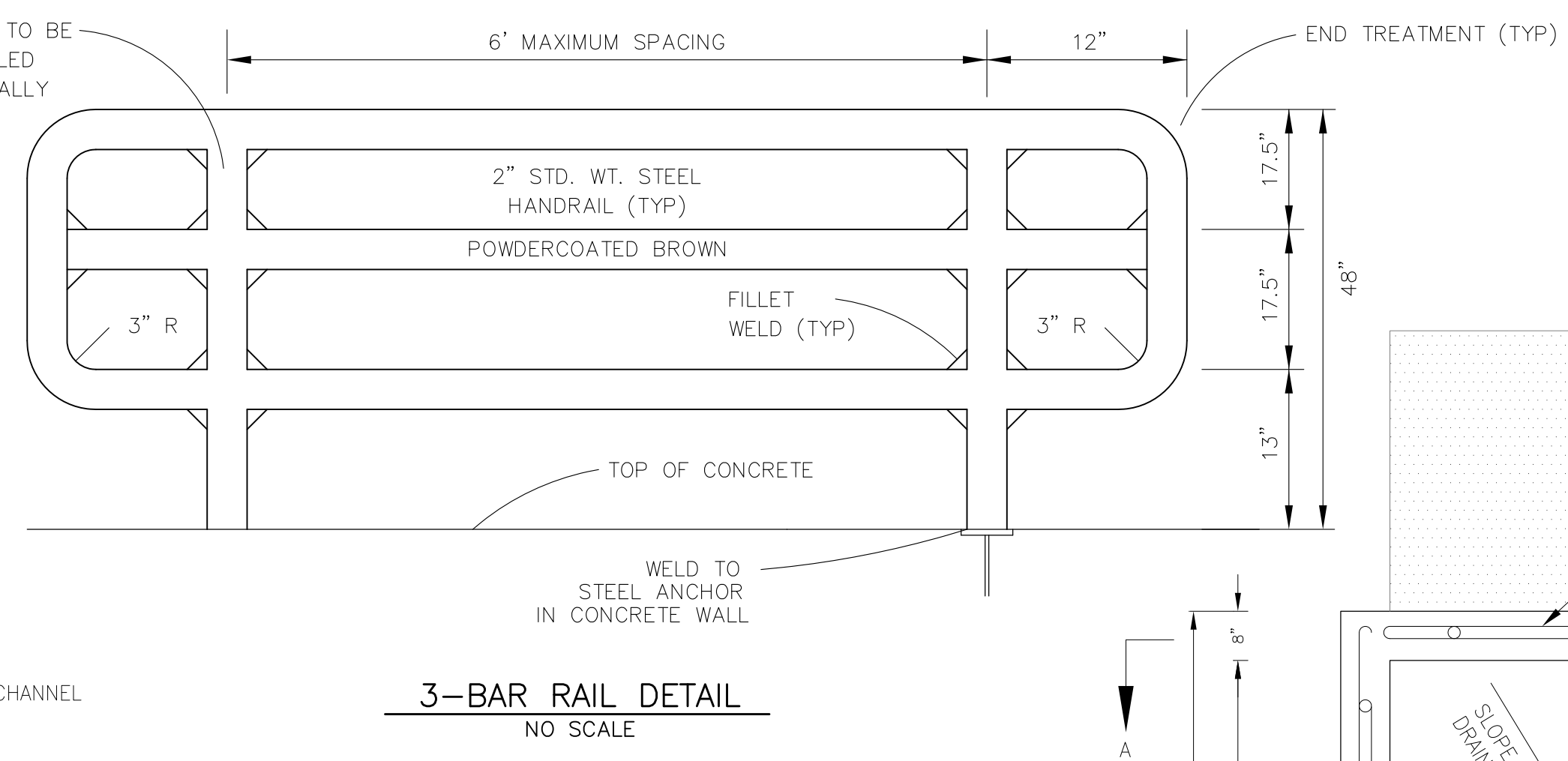
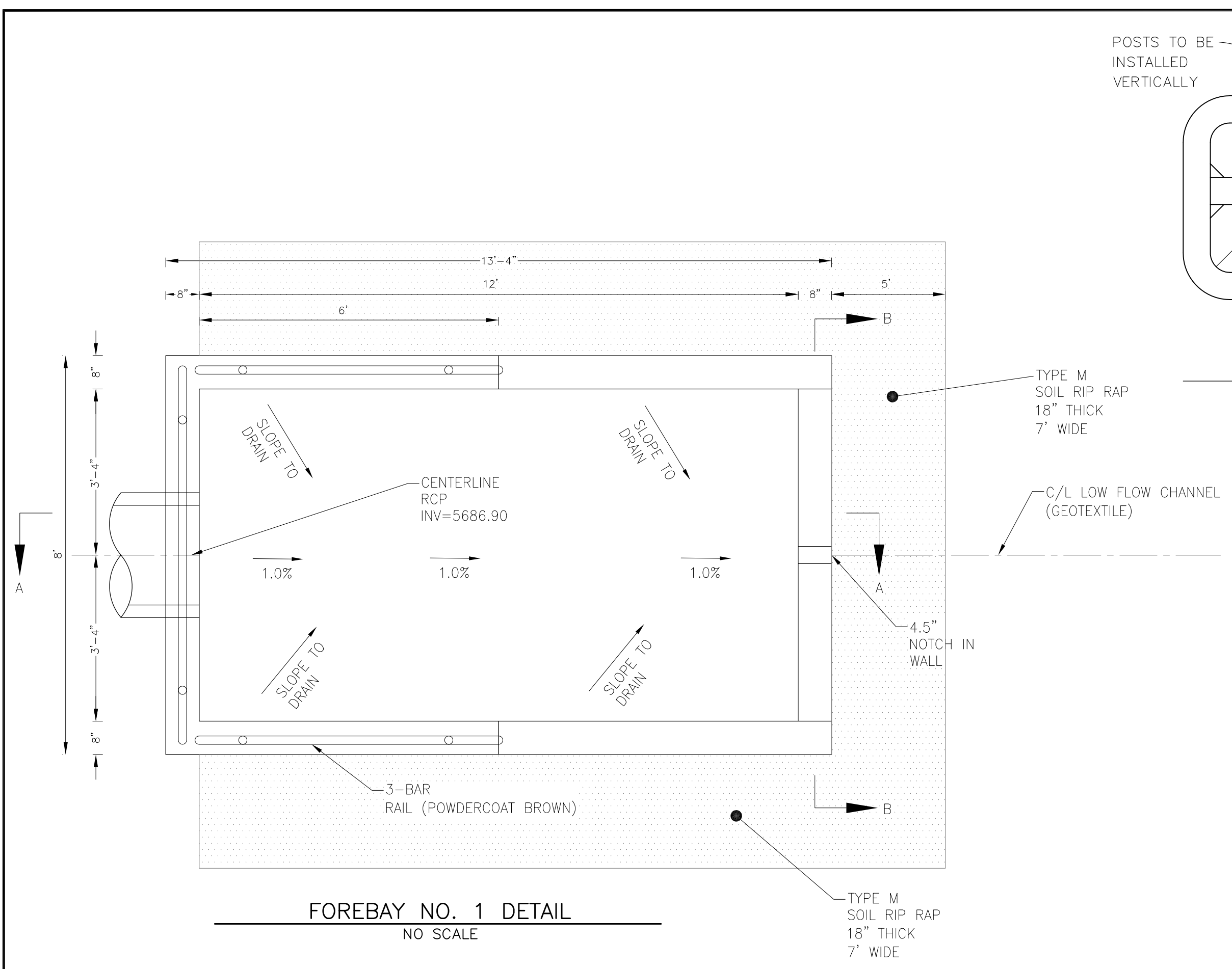
PROJECT: **CREEKSIDE AT LORSON RANCH FILING NO. 1**
 RANCH BLVD. KEMPERS, OR
 COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

CREEKSIDE AT LORSON RANCH FIL. 1
DETENTION POND CR3 (SFB)
GRADING AND DETAILS

DATE: APRIL 15, 2019
 PROJECT NO. 100.045
 SHEET NUMBER **C9.7**
 TOTAL SHEETS: 34





Isn't 2A the reverse/reflection of 2B?

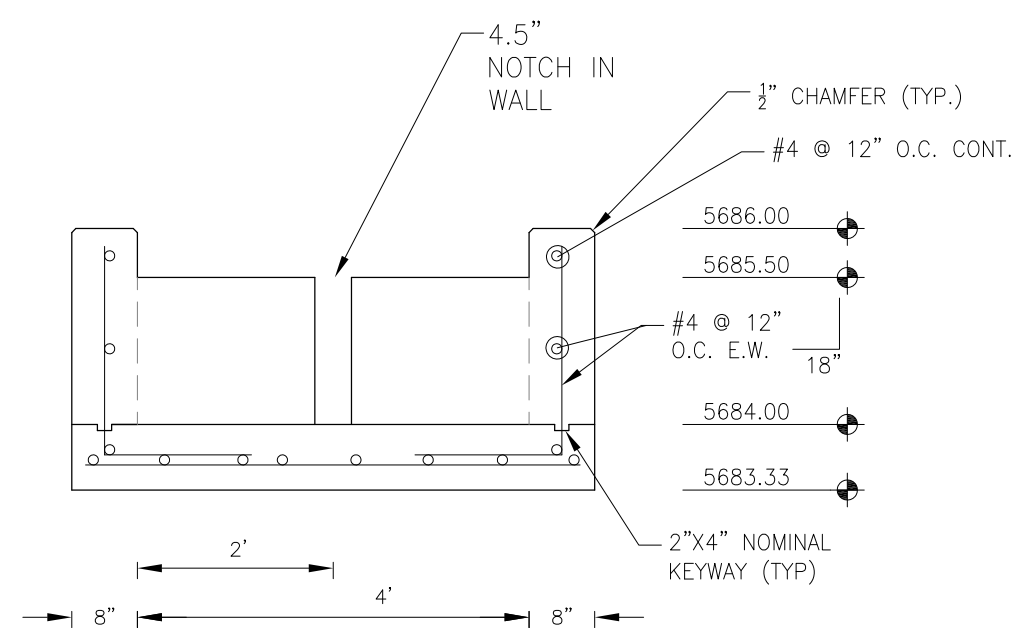
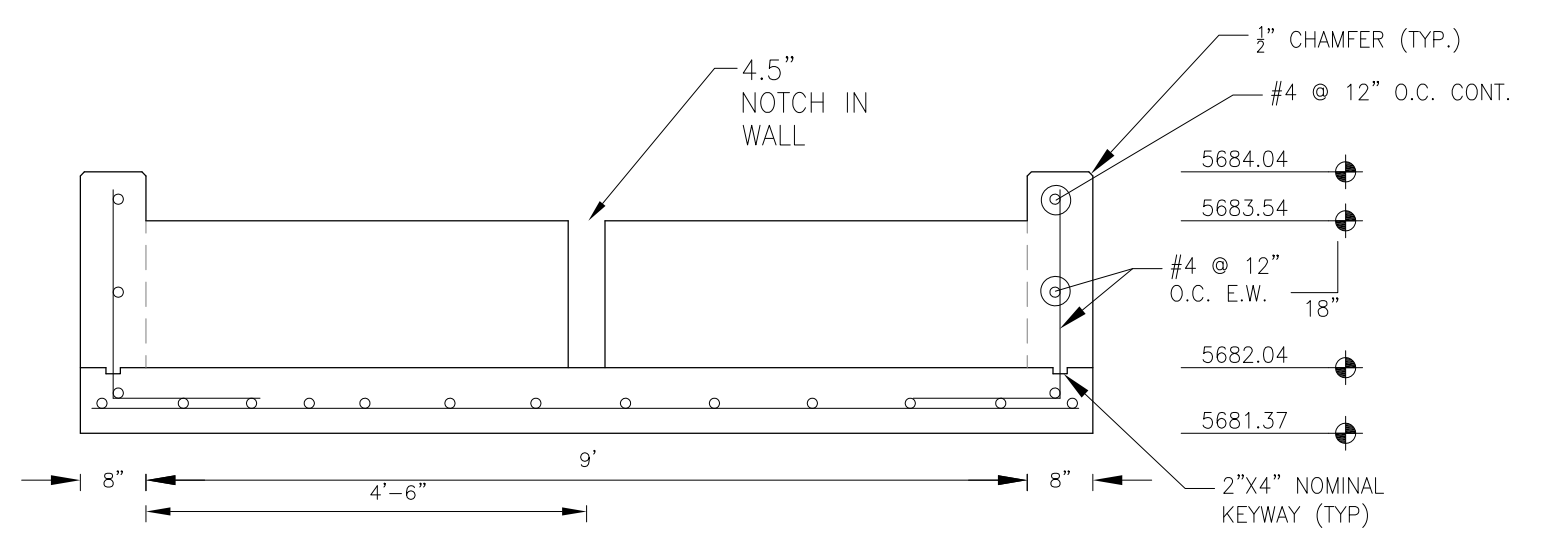
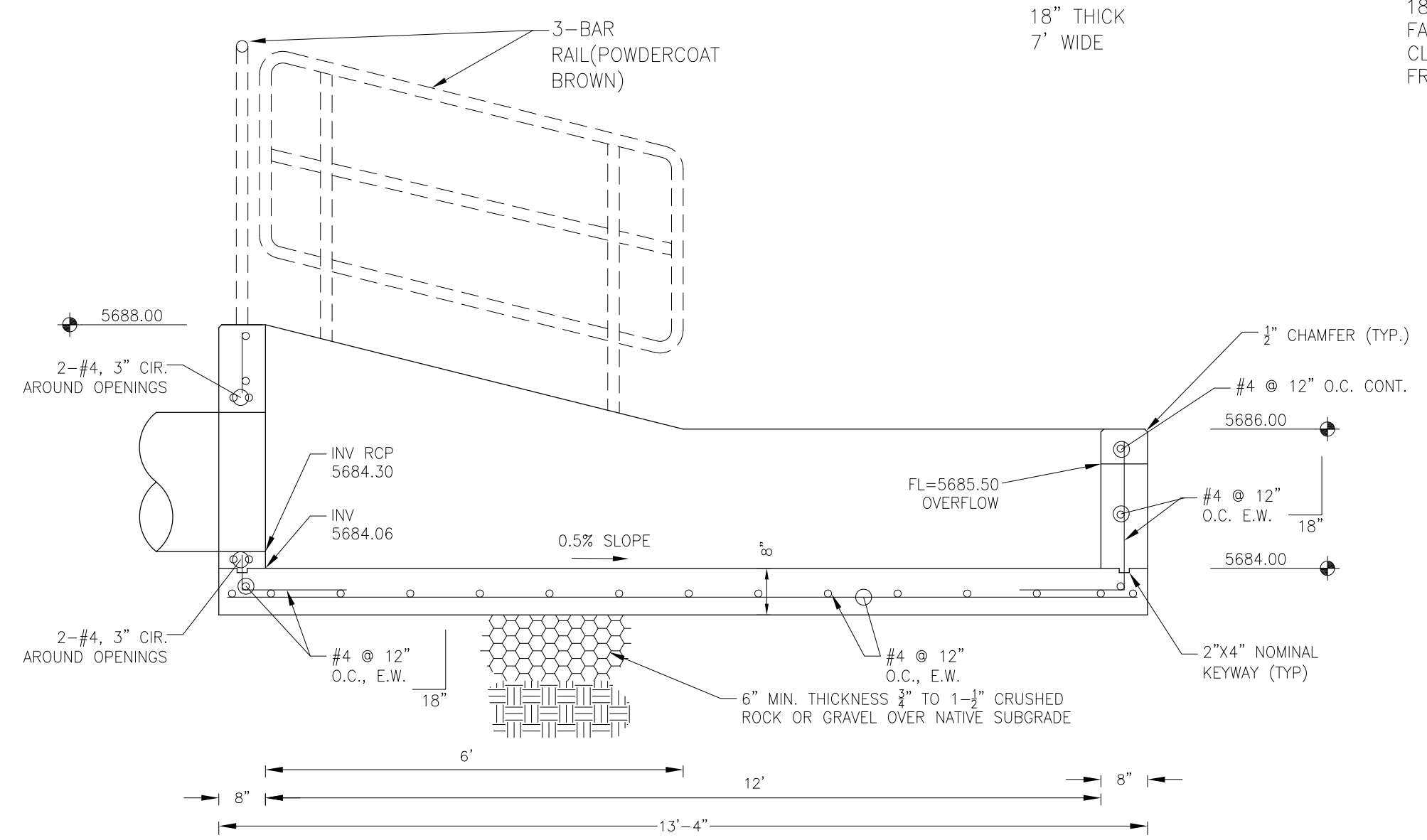
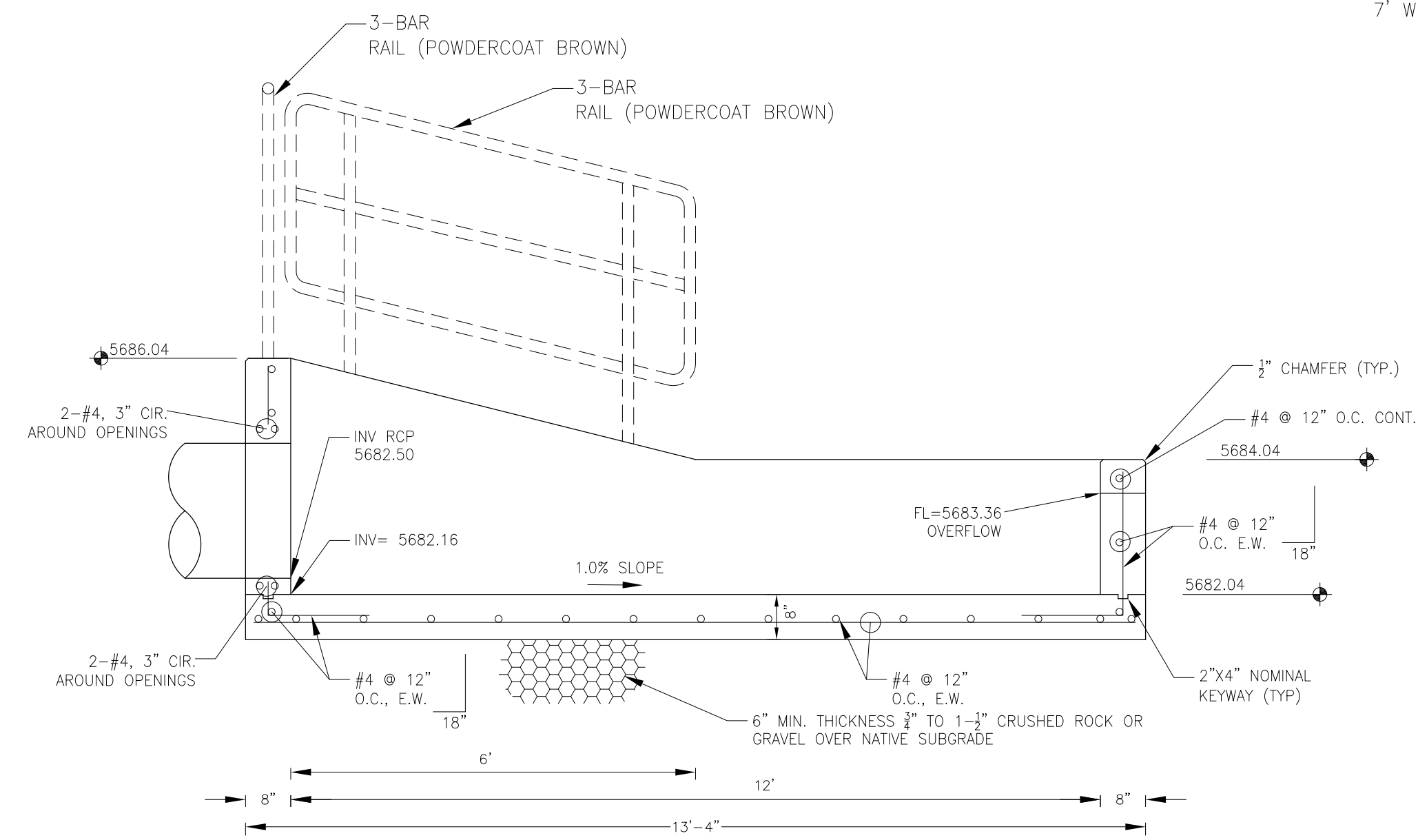
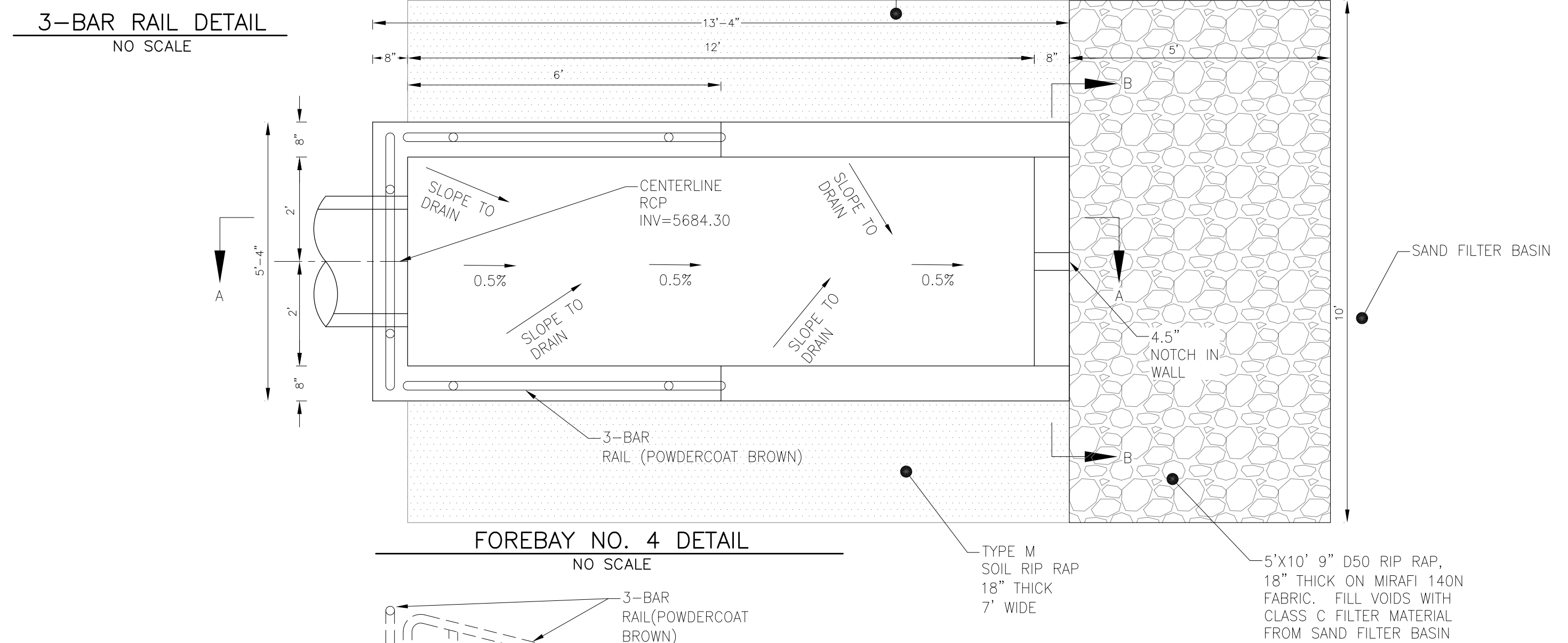
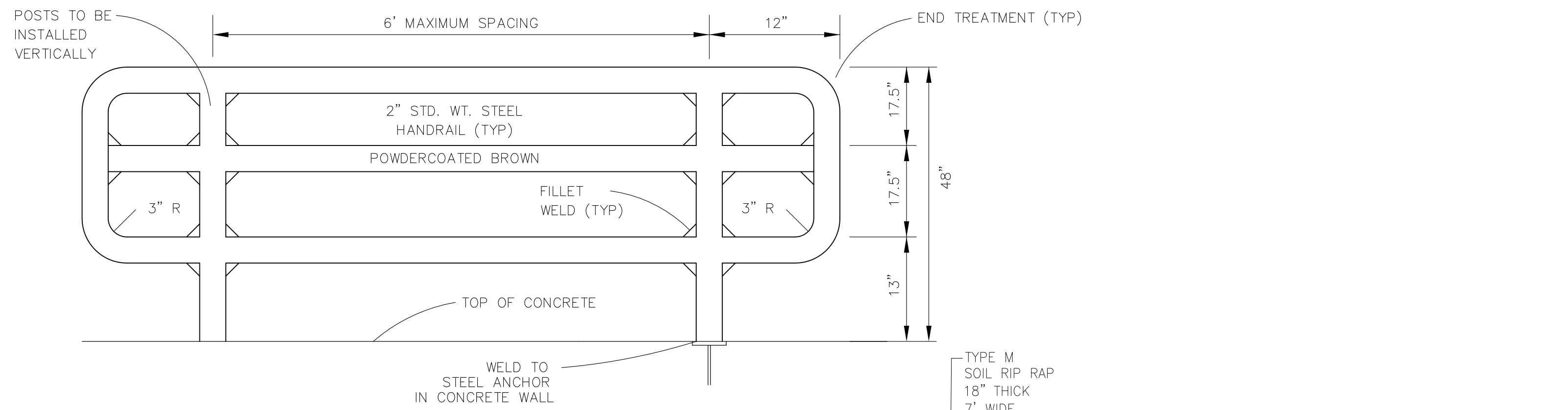
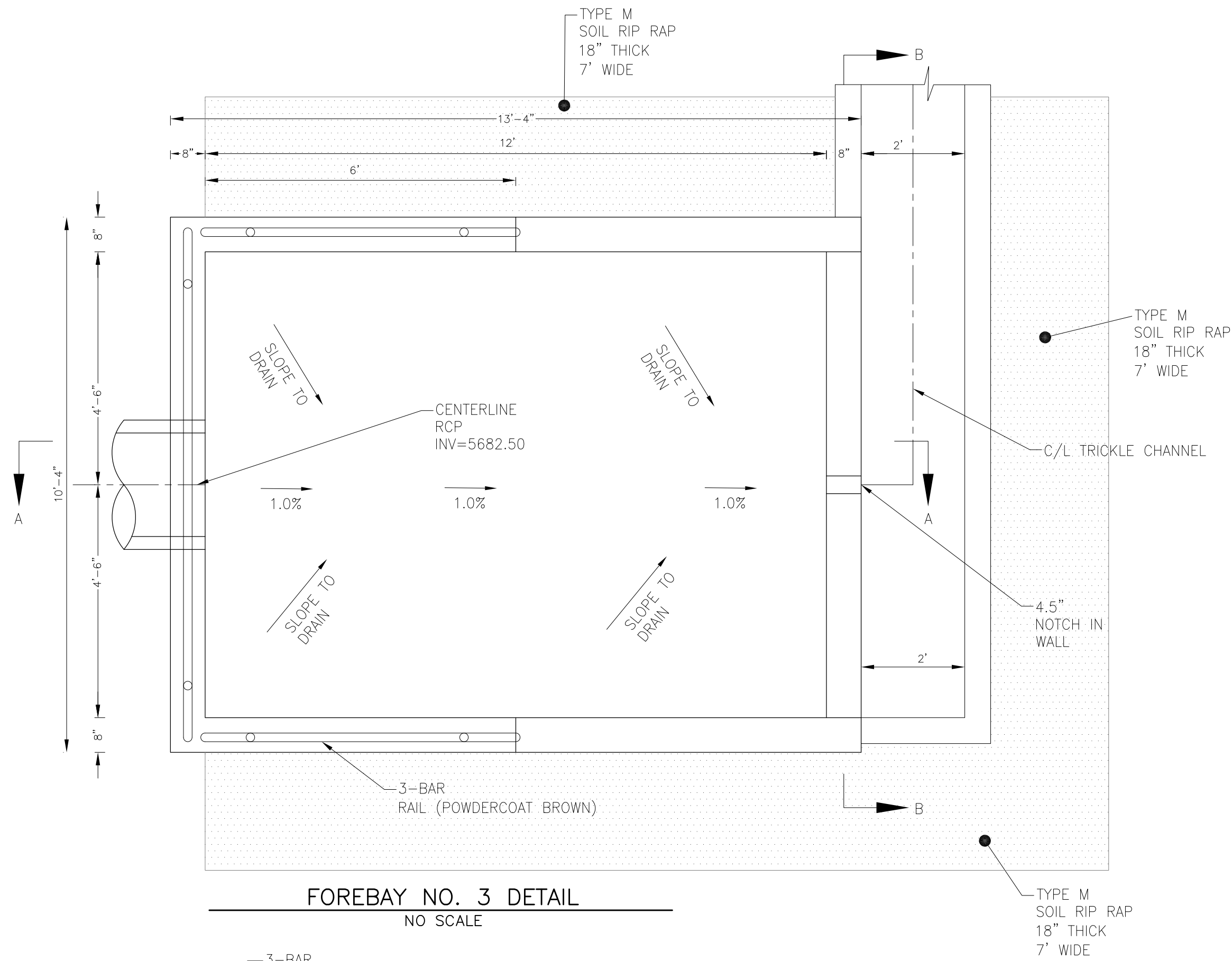
CORE ENGINEERING GROUP
15004 1ST AVENUE, S.
DENVER, CO 80202
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE: _____
DESCRIPTION: _____
NO: _____
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PREPARED FOR: **LORSON, LLC**
212 N. WAHSATCH AVE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
(719) 635-3200
CONTACT: JEFF MARK

FOREBAY NO. 1, 2A, & 2B DETAILS

DATE: APRIL 15, 2019
PROJECT NO: 100.045
SHEET NUMBER: C9.8
TOTAL SHEETS: 34



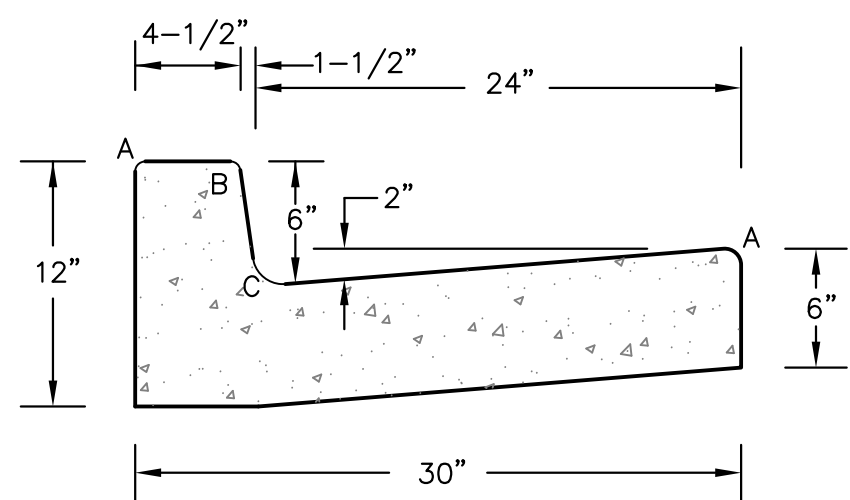
CORE ENGINEERING GROUP
15004 1ST AVENUE S.
DENVER, CO 80202
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE: _____
DESCRIPTION: _____
NO: _____
PROJECT: CREEKSIDE AT LORSON RANCH FILING NO. 1
PREPARED FOR: LORSON, LLC
212 N. WAHSATCH AVE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: RICHARD L. SCHINDLER, P.E.
(719) 635-3200
CONTACT: JEFF MARK

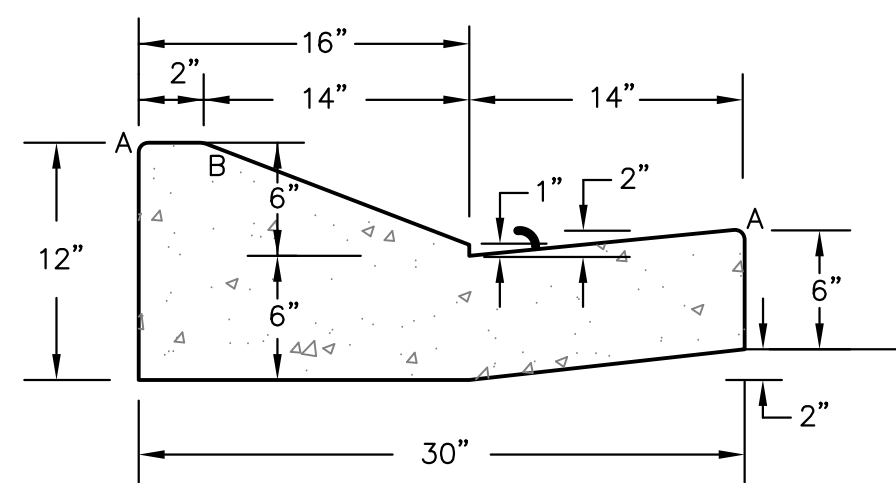
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

**FOREBAY NO. 3 AND NO. 4
DETAILS**

DATE: APRIL 15, 2019
PROJECT NO. 100.045
SHEET NUMBER C9.9
TOTAL SHEETS: 34



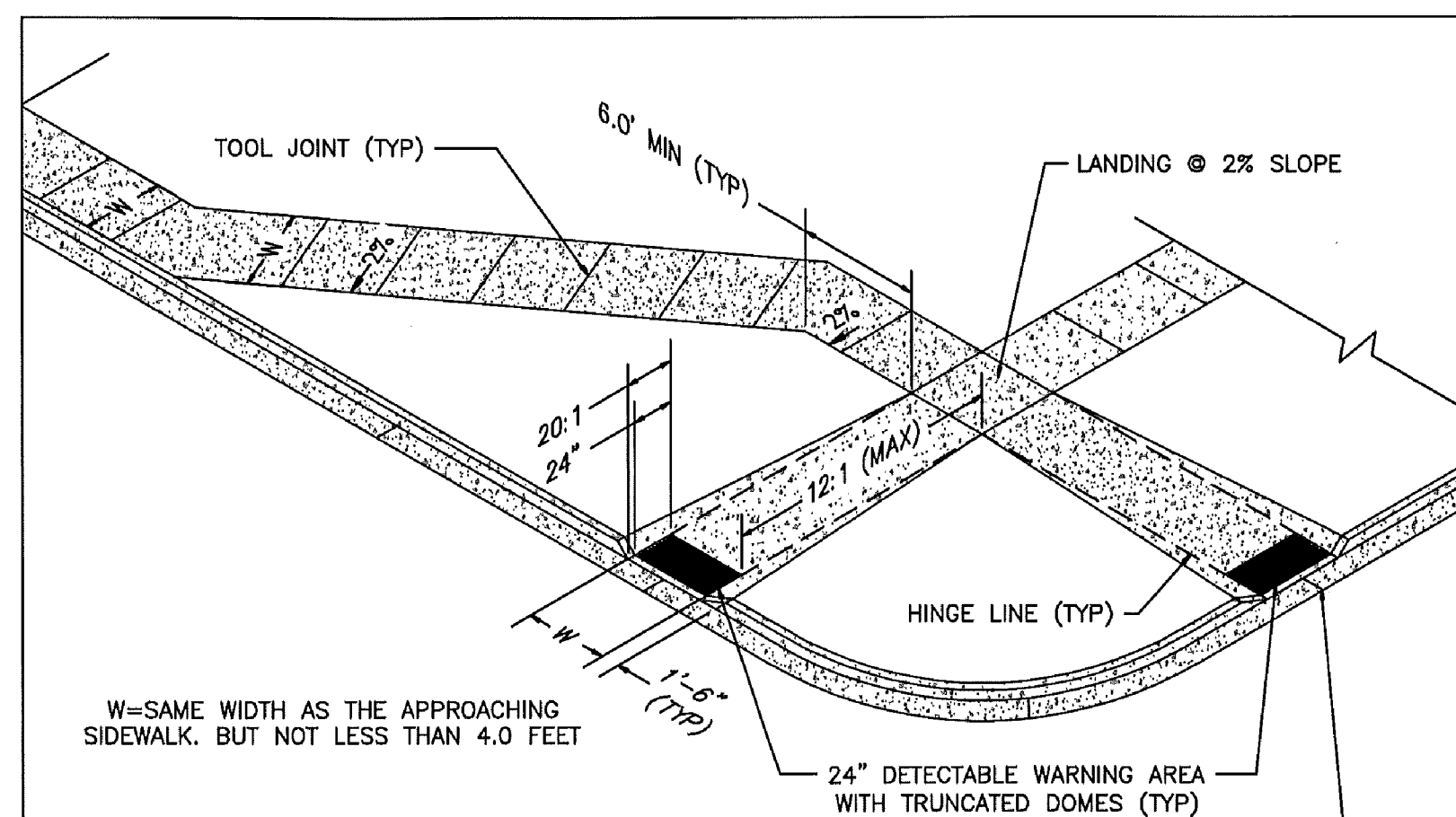
TYPE 'A'
VERTICAL CURB AND GUTTER
SCALE 1" = 1'-0"



TYPE 'C'
OPTIONAL TYPE C RAMP CURB AND GUTTER
SCALE 1" = 1'

LENGTH FOR RADII	
A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"

CURB DETAILS (ECM SD 2-20)



W=SAME WIDTH AS THE APPROACHING SIDEWALK, BUT NOT LESS THAN 4.0 FEET

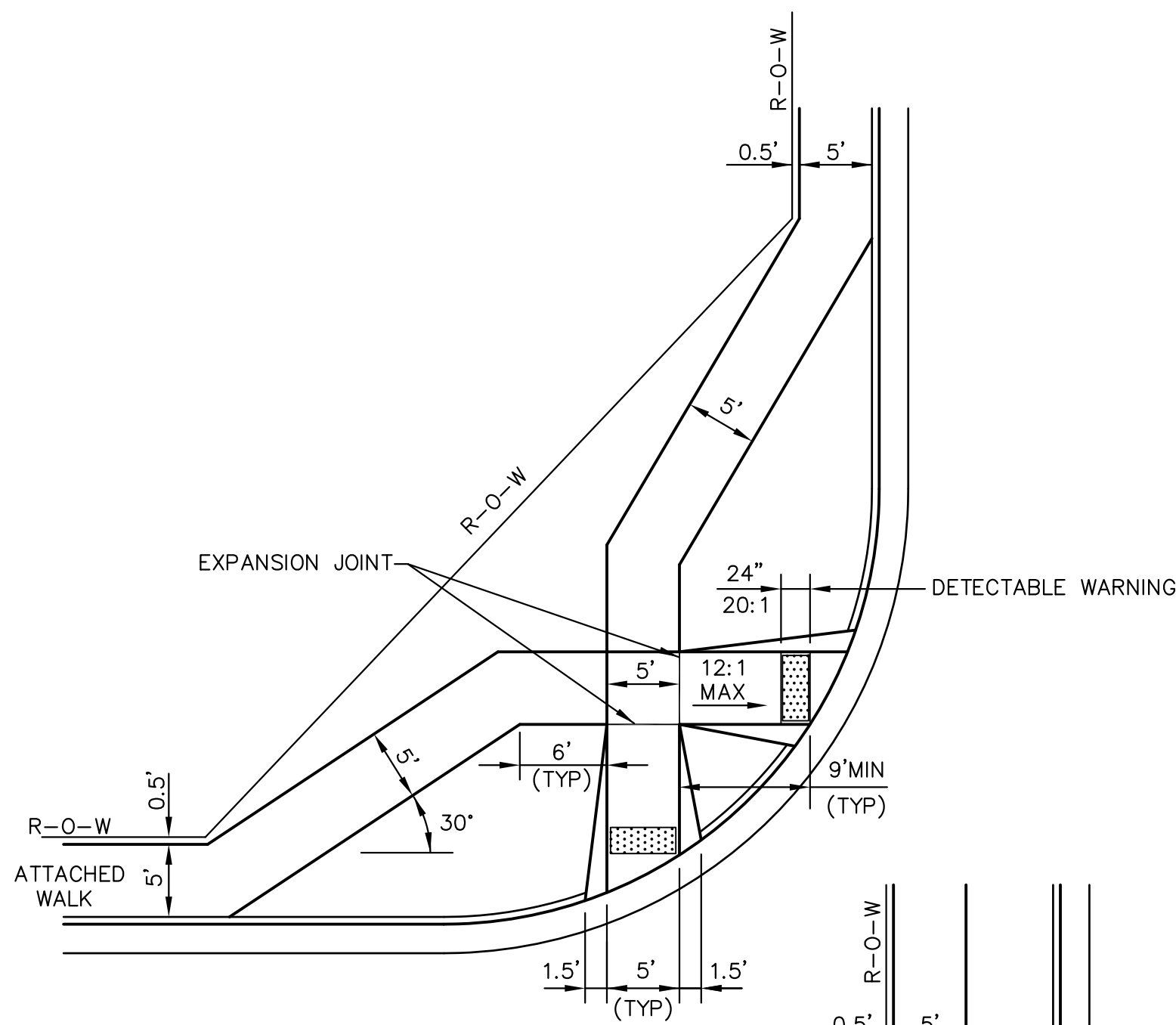
PEDESTRIAN RAMP NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
- CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
- PEDESTRIAN RAMP CONSTRUCTION SHALL BE A MINIMUM 4,500 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCORED, COARSE BROOM FINISH.
- RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 12:1 MAXIMUM RUNNING RAMP SLOPE AND 20:1 DETECTABLE WARNING AREA DUE TO STREET INTERSECTION GRADES AND/OR ALIGNMENTS.
- DETECTABLE WARNING AREA SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
- DETECTABLE WARNING AREA SHALL BE REFABRICATED REDDISH INTEGRALLY COLORED TRUNCATED-DOMES.
- THE DETECTABLE WARNING AREA SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
- RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK; 4" MINIMUM.
- ALL RAMPERS WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMPERS WHICH MAY BE PARALLEL SUBJECT TO APPROVAL.
- AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL/SIGNAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED RAMP AREAS.

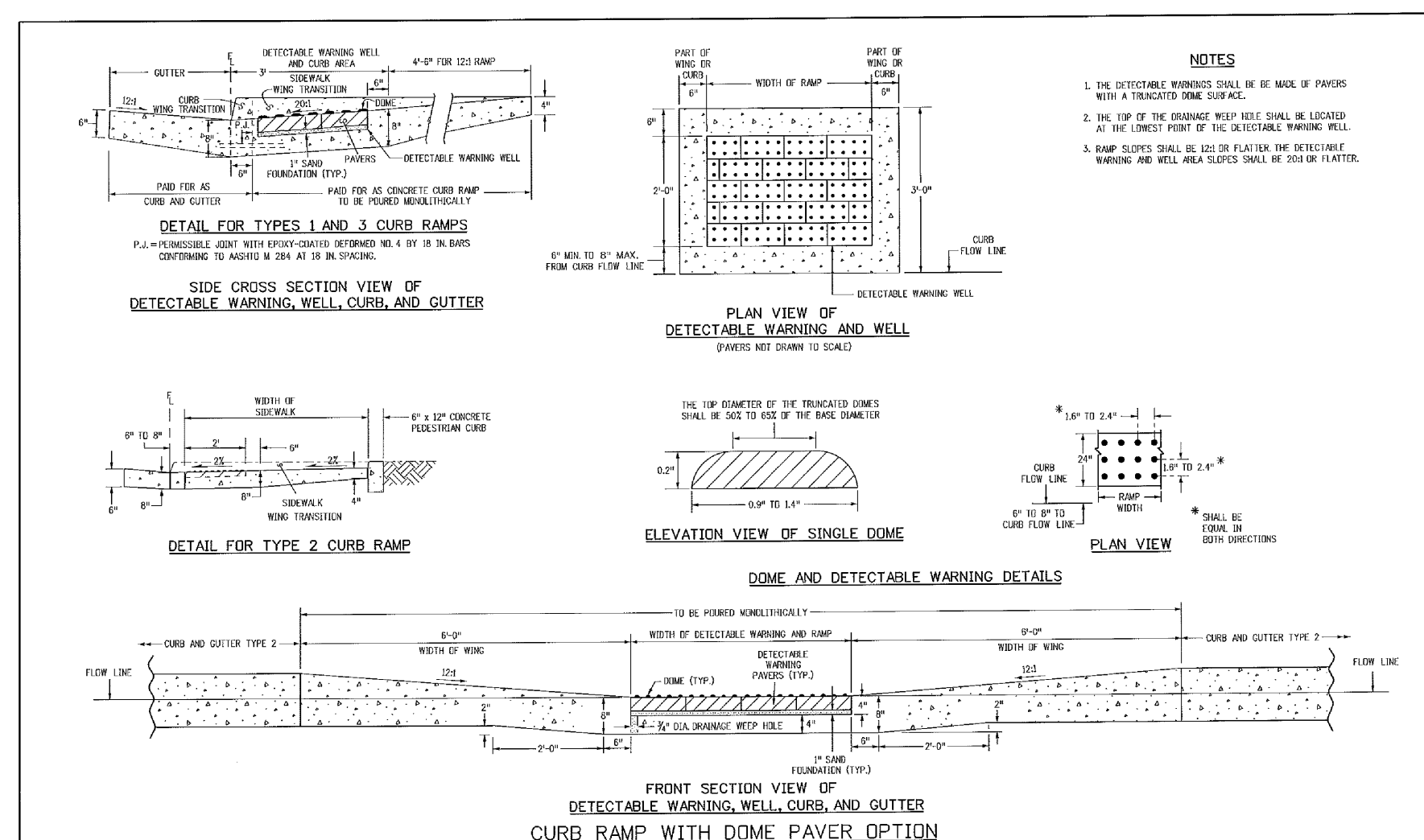
GENERAL NOTES

LAYOUT CURB SECTIONS SO THAT AT LEAST ONE TOOL JOINT IS WITHIN RAMP THROAT

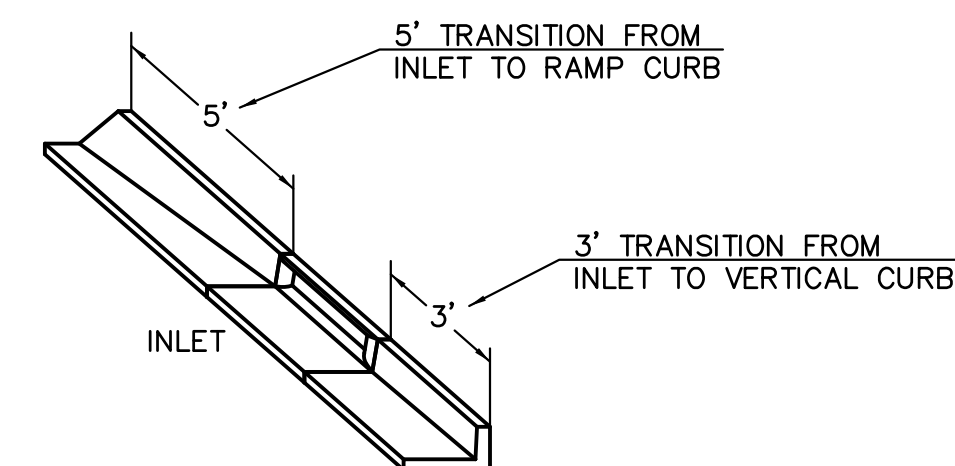
- WHERE THE 1'-6" FLARED SIDE(S) OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA, THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10:1.
- PEDESTRIAN WALKWAY AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPERS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPERS.
- AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPERS, EXCLUSIVE OF THE FLARE SIDERS, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.



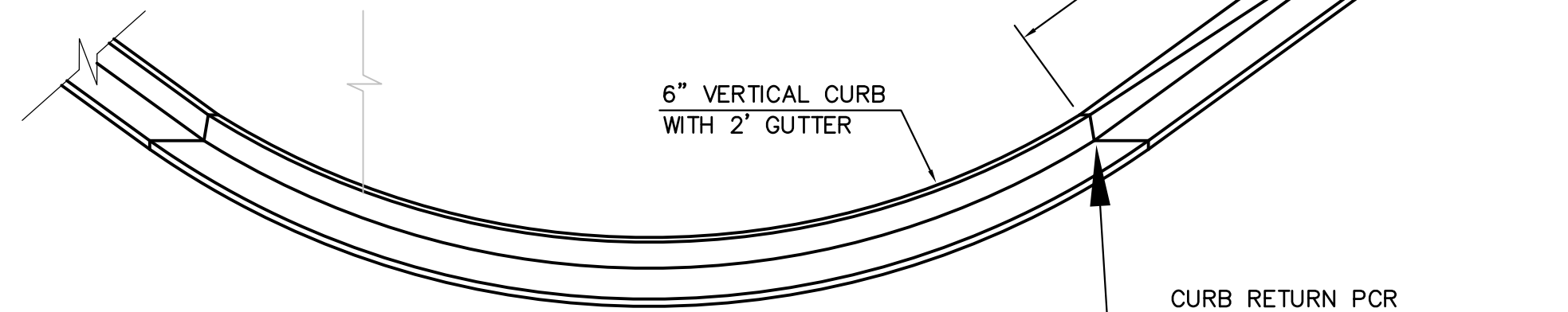
PEDESTRIAN RAMPERS AT INTERSECTIONS (ECM SD 2-40)
NO SCALE



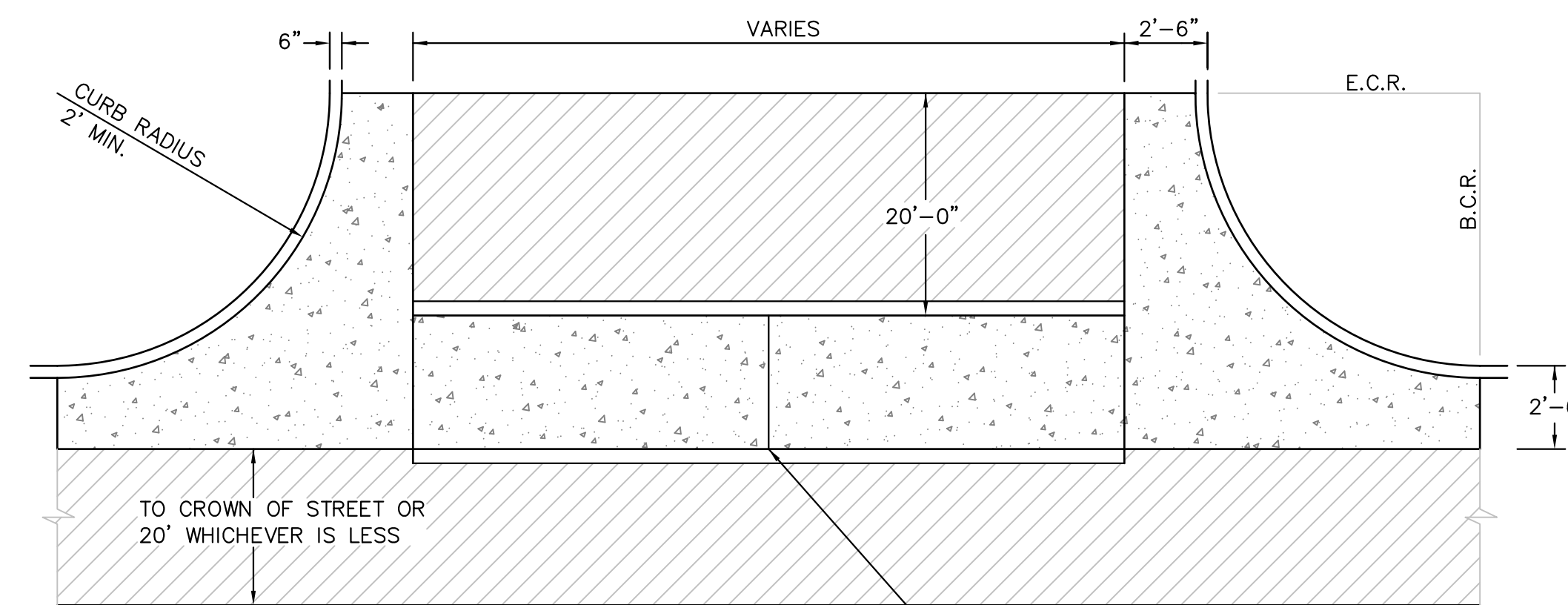
TRUNCATED DOME DETAILS (ECM SD 2-42)
NO SCALE



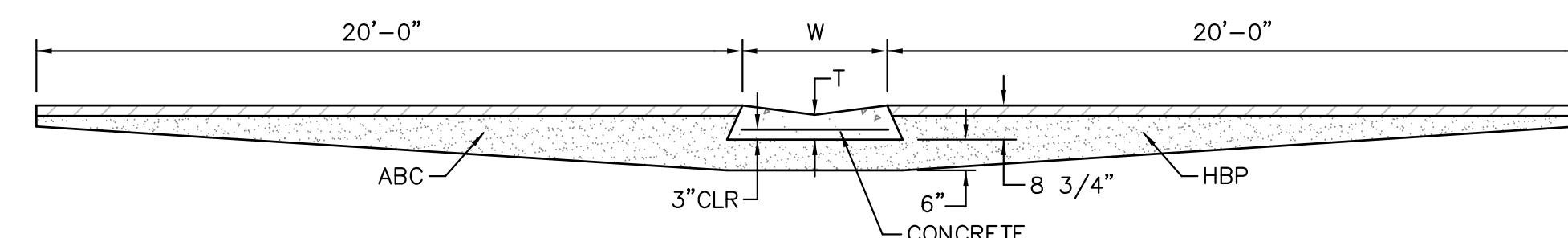
CURB INLET DETAIL
NTS



CURB TRANSITION DETAIL
NTS



PLAN VIEW



TYPICAL CROSSSPAN LAYOUT (ECM SD 2-26)
NO SCALE

NOTES

- W = WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, 10' FOR ARTERIAL ROADS.
- T = SQUARED-OFF RETURN TO BE POURED MONOLITHIC 8" PCC, OR 9" FOR COLLECTORS MINIMUM WITH 6x6 - 4,4 WWF OR #4 @ 18"E.W.
- 3" = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).
- DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.

CORE ENGINEERING GROUP
15004 1ST AVENUE S.
BURNSVILLE, MN 55306
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: rich@cegi.com

DATE: _____
DESCRIPTION: _____
NO. _____

PREPARED FOR:
LORSON, LLC
212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

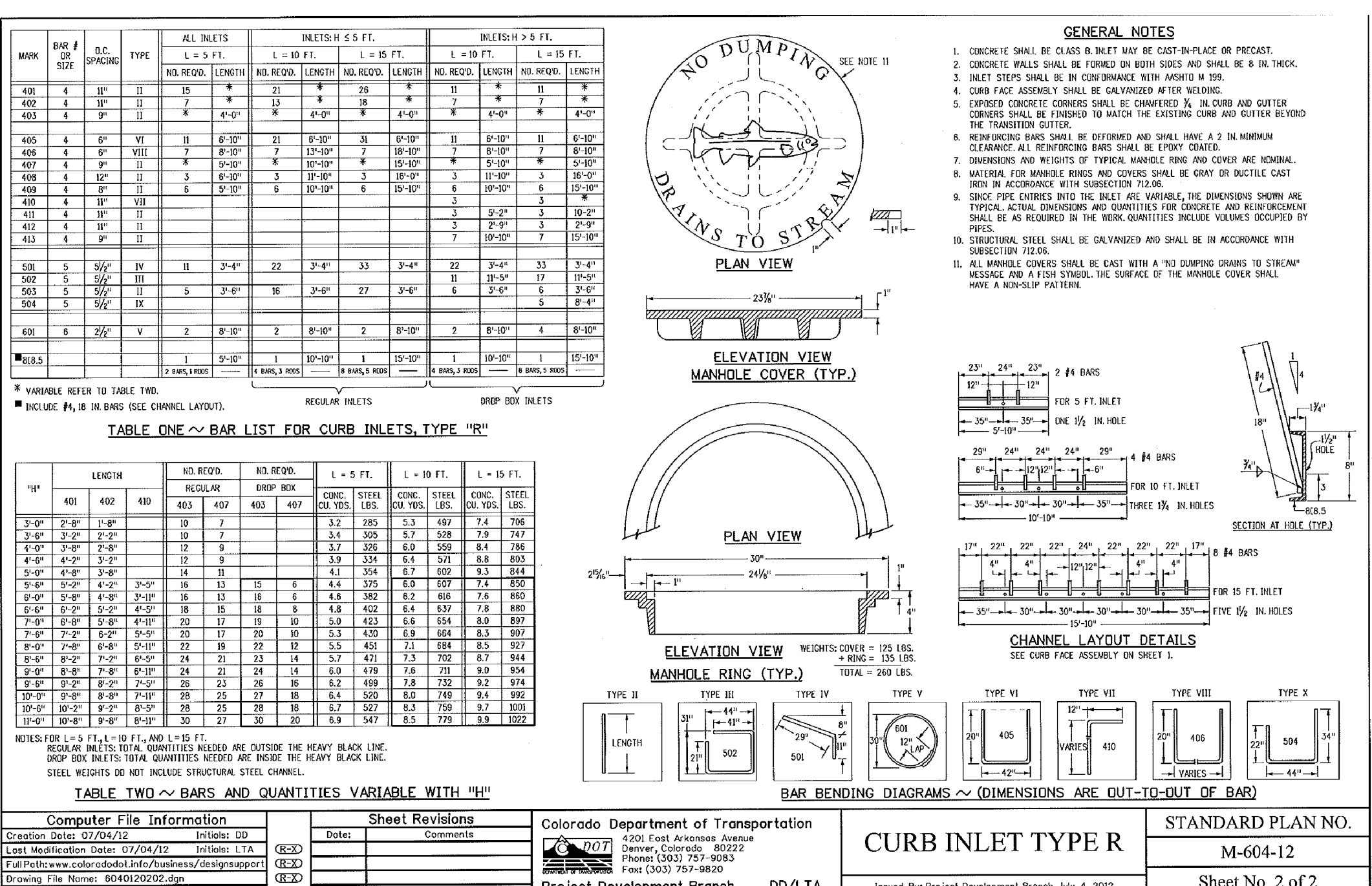
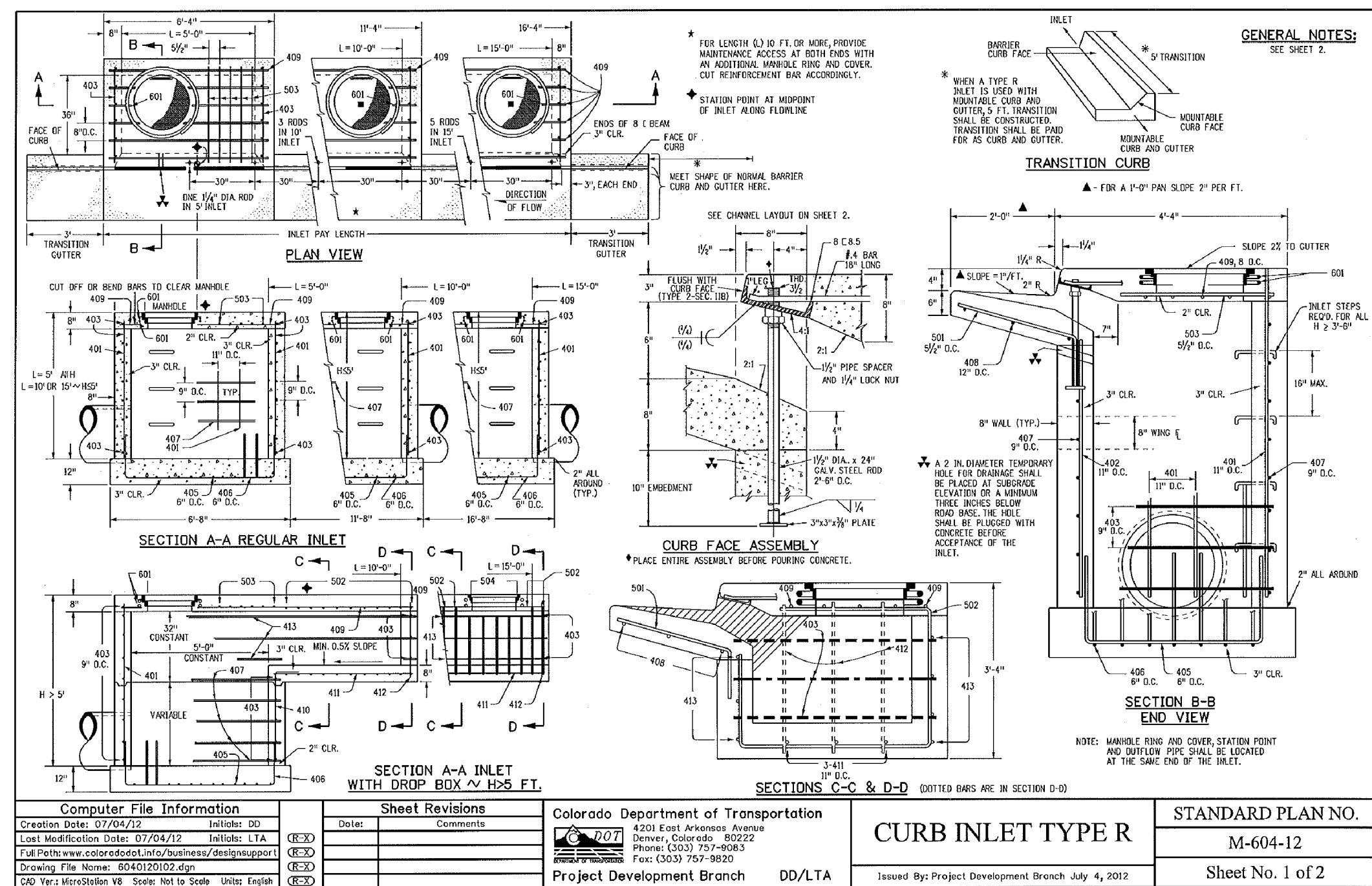
ROADWAY DETAIL SHEET

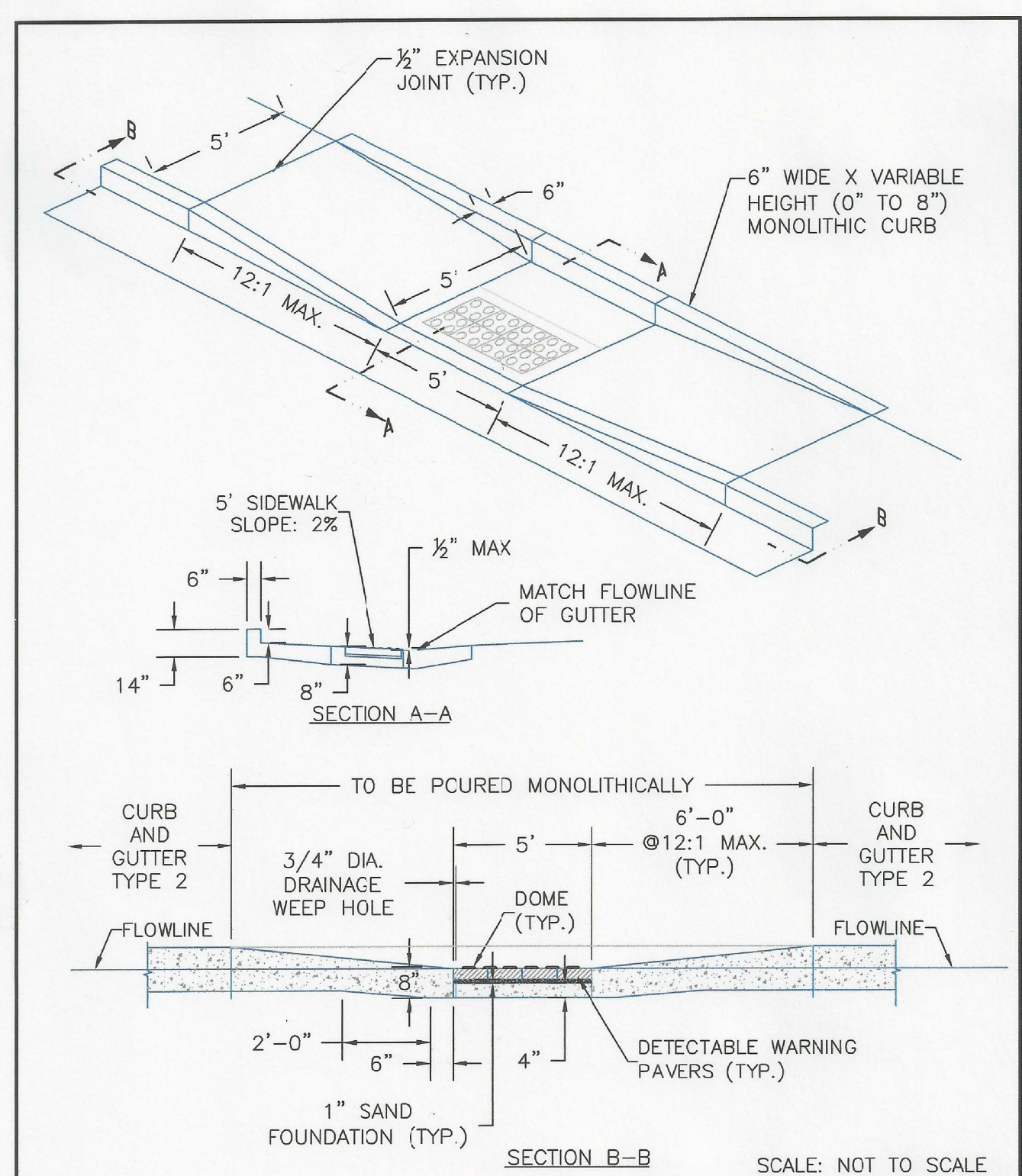
DATE:
APRIL 15, 2019

PROJECT NO.
100.045
SHEET NUMBER
C10.1
TOTAL SHEETS: 34

DATE APPROVED: 7/9/09 André P. Brackin DEPARTMENT OF TRANSPORTATION	<p>Pedestrian Intersection Ramp Standard Drawing</p>	
REVISION DATE: 1/18/11	FILE NAME: SD_2-41	

Computer File Information	Sheet Revisions	Colorado Department of Transportation	STANDARD PLAN NO.
<small> C:\projects\100.045\Drawings\SD_2-41.dwg User: rls Date: 7/9/09 Plot Date: 7/9/09 Plot Scale: 1"=1'-0" Plot Size: 11x17 Plot Orientation: Landscape Plot Range: All Plot Style: Default.ctb Plot Device: HP DesignJet 5000 </small>	<small> 1. 7/9/09 RLS Initial Design 2. 1/18/11 RLS Revisions </small>	<small> Project: 100.045 Project Name: Pedestrian Intersection Ramp Project Location: Colorado Springs, CO Project Description: Pedestrian Intersection Ramp Project Status: Design Project Manager: Jeff Mark Project Engineer: Richard L. Schindler, P.E. Project Designer: André P. Brackin Project Checker: Richard L. Schindler, P.E. Project Approver: Jeff Mark </small>	M-608-1 Sheet No. 6 of 6





DATE APPROVED: 8/11/11	Parallel Pedestrian Ramp Detail Standard Drawing		
APPROVED: André P. Brackin	REVISION DATE: 12/8/15	FILE NAME: SD_2-50	

CORE
ENGINEERING GROUP
 15004 1ST AVENUE S.
 BURNSVILLE, MN 55306
 PH: 719.570.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: rich@cegi.com

DATE: _____
 DESCRIPTION: _____
 NO. _____
 PREPARED FOR:
LORSON, LLC
 212 N. WAHSATCH AVE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-5200
 CONTACT: JEFF MARK
 PROJECT:
CREEKSIDE AT LORSON RANCH FILING NO. 1
 LORSON BLVD - KEARSARGE DR
 COLORADO SPRINGS, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

CREEKSIDE AT LORSON RANCH FIL NO. 1
ROADWAY DETAIL SHEET

DATE:
APRIL 15, 2019
 PROJECT NO.
100.045
 SHEET NUMBER
C10.3
 TOTAL SHEETS: 34

ENG-SF1913-R1-CD1-Redlines.pdf Markup Summary

1 (4)

JDSP-18-005
-19-00X

013

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Date: 6/18/2019 10:56:43 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

013

Know what's b
Call befo

See comment letter.

Subject: Text Box
Page Index: 1
Date: 6/18/2019 11:00:53 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

See comment letter.

Engineering Review
06/18/2019 11:01:16 AM
(4:43 AM)
JeffRice@epc.com
(719) 938-7877
EPC Planning & Community
Development Department

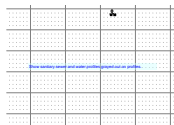
W/ APPROVAL

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Author: dsdrice
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Page Label: 1

Reference Channel Improvement plans by Kiowa

9 (1)



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Author: dsdrice
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Show sanitary sewer and water profiles grayed out on profiles.

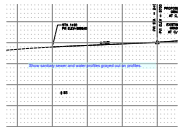
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removed?

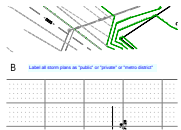
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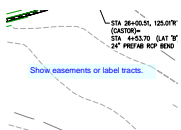
Show sanitary sewer and water profiles grayed out on profiles.

22 (3)



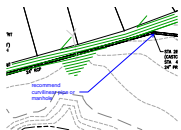
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Author: dsdrice
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Page Label: 22

Label all storm plans as "public" or "private" or "metro district"



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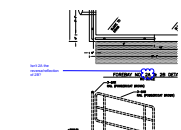
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Page Index: 22
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Page Label: 22

recommend curvilinear pipe or manhole

30 (3)



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Isn't 2A the reverse/reflection of 2B?



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Page Label: 30

). 2A &
NO SC

Subject: Highlight
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