

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°41'52" 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)

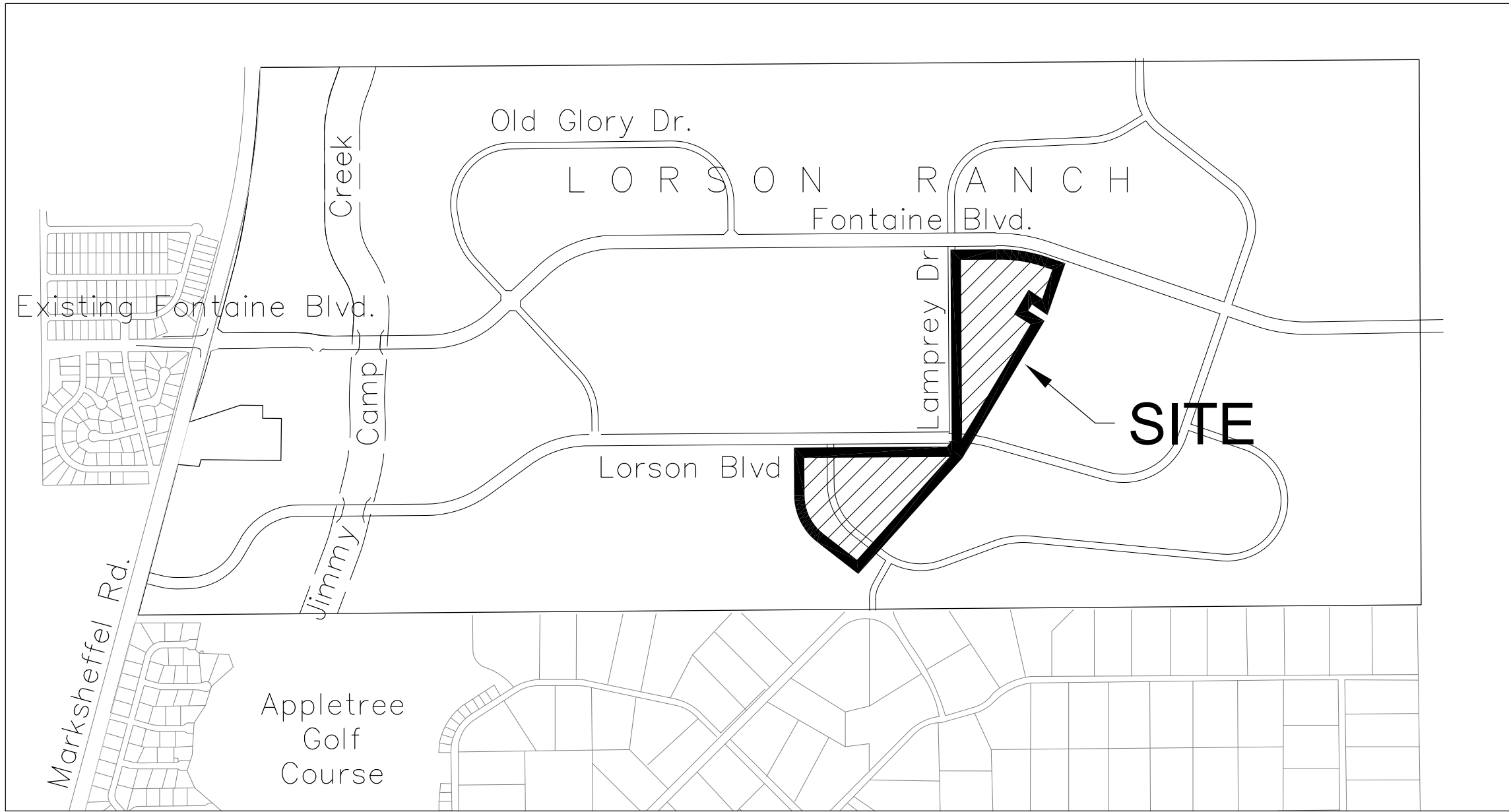
TRAFFIC CONTROL NOTE

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.

CONSTRUCTION PLANS
FOR

LORSON RANCH EAST FILING NO. 4

STREET AND STORM SEWER CONSTRUCTION PLANS



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



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

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
C1.1	COVER SHEET
C1.2	NOTES
C1.3	TYPICAL SECTIONS
C2.1-C2.2	STREET HORIZONTAL CONTROL
C5.1-C5.3	SIGNING/STRIPING PLANS
C6.1-C6.20	STREET/STORM PLAN AND PROFILES
C6.21	LORSON BLVD/LAMPREY DRIVE SIDEWALK PLAN
C7.1-C7.4	STORM SEWER LATERALS
C9.1-C9.3	DETENTION POND E2 DETAILS
C10.1-C10.3	STREET/STORM DETAILS
S1	SDS DRILLED PIER CROSSING STRUCTURAL DETAILS

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

COLORADO SPRINGS UTILITIES WATER PLAN DESIGN APPROVAL

APPROVED BY: _____

DATE: _____

PROJECT NUMBER: 2019--

WORK ORDER NUMBER:

CSU SHEET ____ OF ____

APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE ABOVE AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.

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
CONDITIONS: **P.E.**

DATE

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

CORE
ENGINEERING GROUP

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

DATE

DESCRIPTION

NO.

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

LORSON RANCH EAST FIL. NO. 4

STREET / STORM SEWER
CONSTRUCTION PLANS

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

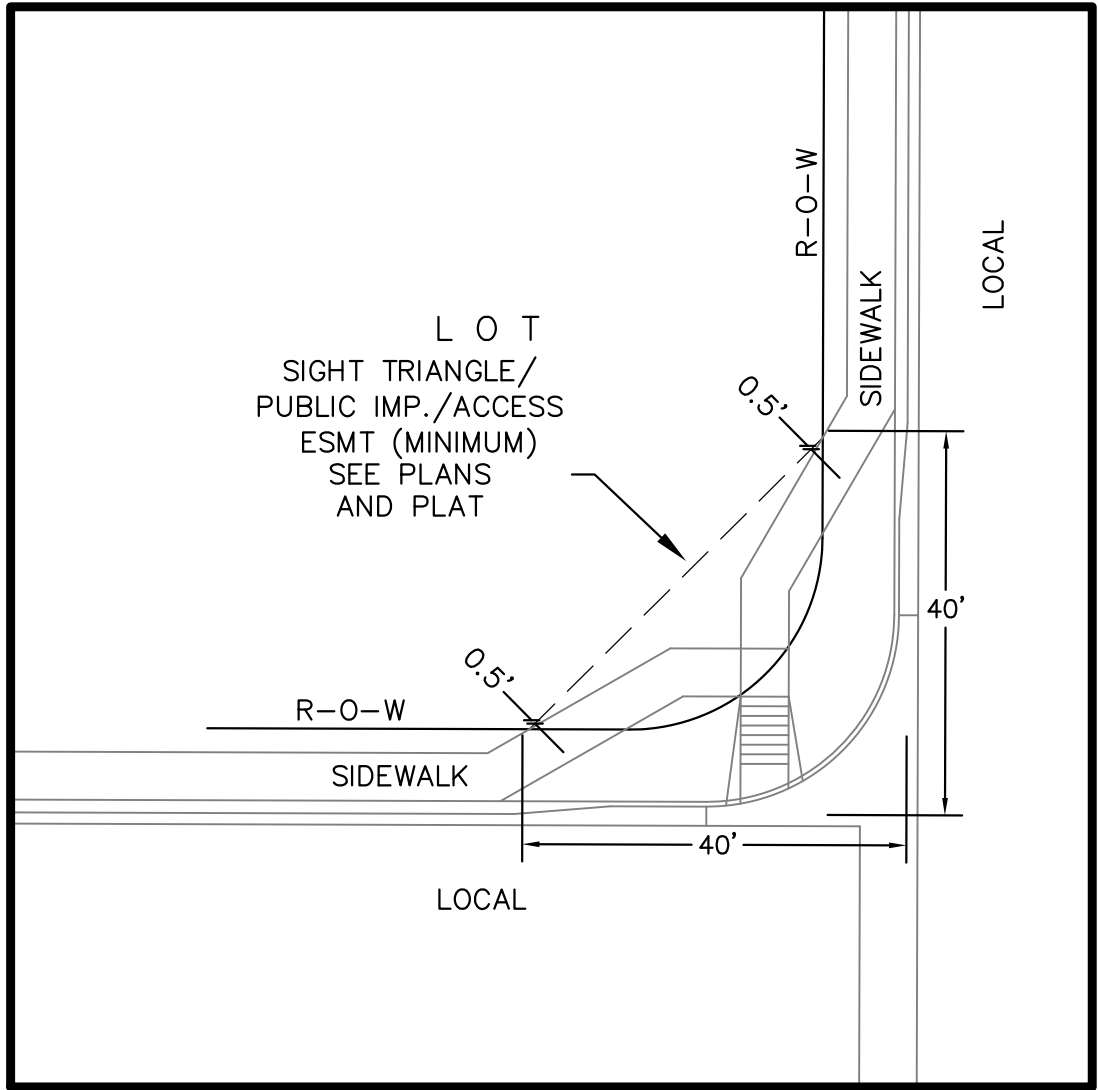
SHEET NUMBER
C0.1

TOTAL SHEETS: 40

SF-19-008

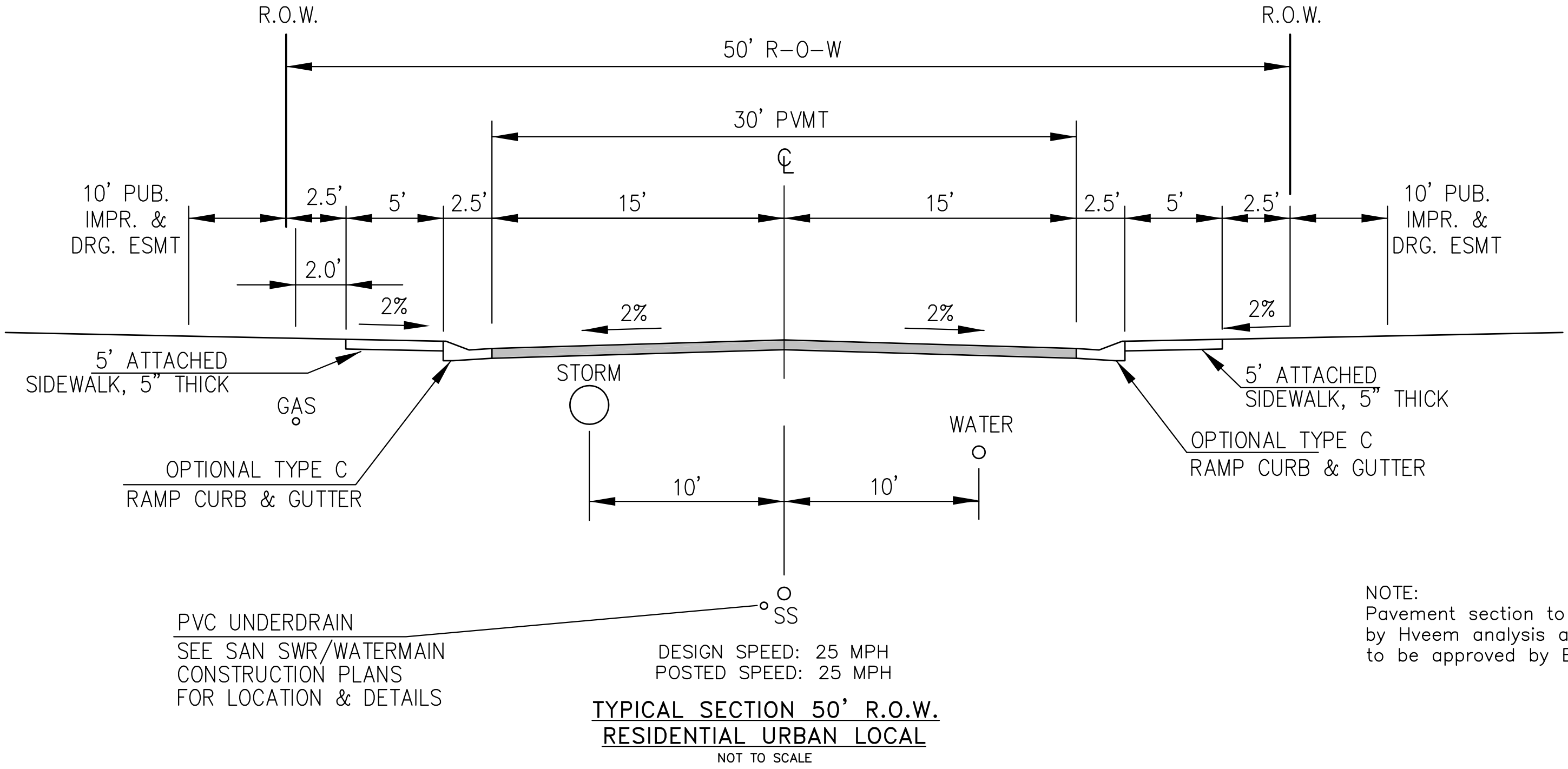
SF-19-0X

<div>CONSTRUCTION NOTES</div> <div><div><div>1. ALL WORK SHALL COMPLY WITH THE CODES AND POLICIES FOR EL PASO COUNTY.</div><div>2. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THIS GRADING PLAN WAS OBTAINED FROM DREXEL, BARRELL & CO., JULY, 2005. SUPPLEMENTAL SURVEY DATA WAS OBTAINED FOR MARKSHEFFEL ROAD FROM M&S CIVIL GROUP IN NOVEMBER, 2016. THE CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE SITE AND BE FAMILIAR WITH THE EXISTING CONDITIONS.</div><div>3. DEPTH OF MOISTURE–DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS: BASE OF ALL CUTS AND FILLS – 12 INCHES, FULL DEPTH OF ALL EMBANKMENTS</div><div>4. THE CONTRACTOR IS RESPONSIBLE FOR THE RE–ESTABLISHMENT OF ALL SURVEY MONUMENTS DISTURBED WITHIN THE PROJECT LIMITS.</div><div>5. THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM FLOODING AT ALL TIMES. AREAS AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER, SHALL BE PROMPTLY DEWATERED AND RESTORED.</div><div>6. PRIOR TO PAVING OPERATIONS, THE ENTIRE SUBGRADE SHALL BE PROOF–ROLLED WITH A LOADED 988 FRONT–END LOADER OR SIMILAR HEAVY RUBBER TIRED VEHICLE (GVW OF 50,000 POUNDS WITH 18 KIP PER AXLE AT TIRE PRESSURES OF 90 PSI) TO DETECT ANY SOFT OR LOOSE AREAS. IN AREAS WHERE SOFT OR LOOSE SOILS, PUMPING OR EXCESSIVE MOVEMENT IS OBSERVED, THE EXPOSED MATERIALS SHALL BE OVER–EXCAVATED TO A MINIMUM DEPTH OF TWO FEET BELOW PROPOSED FINAL GRADE OR TO A DEPTH AT WHICH SOILS ARE STABLE. AFTER THIS HAS BEEN COMPLETED, THE EXPOSED MATERIALS SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES AND MOISTURE CONDITIONED. THE SUBGRADE SHALL THEN BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D–698) AT 0 TO +4.0% OF OPTIMUM MOISTURE CONTENT FOR A–6 AND A–7–6 SOILS ENCOUNTERED. OTHER SUBGRADE TYPES SHALL BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR DENSITY (ASTM D–1557) AT PLUS OR MINUS 2.0% OF OPTIMUM MOISTURE CONTENT. AREAS WHERE STABLE NATURAL SOILS ARE ENCOUNTERED AT PROPOSED SUBGRADE ELEVATION SHALL ALSO BE SCARIFIED (18 INCHES FOR A–7–6 SOILS BELOW FULL–DEPTH ASPHALT CONCRETE) AND COMPACTED AS OUTLINED ABOVE PRIOR TO PAVING OPERATIONS. SUBGRADE FILL SHALL BE PLACED IN SIX–INCH LIFTS AND UNIFORMLY COMPACTED, MEETING THE REQUIREMENTS AS PREVIOUSLY DESCRIBED.</div><div>7. SUBGRADE MATERIALS DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED, DISPOSED OF AND REPLACED WITH APPROVED MATERIALS.</div><div>8. FILL SHALL BE PLACED IN 8–INCH MAXIMUM LOOSE LIFTS AND SHALL BE COMPACTED PRIOR TO SUCCESSIVE LIFTS.</div><div>9. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DURING CONSTRUCTION ACTIVITIES AT ALL TIMES DURING GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES:<div><div>– HAY BALE BARRIERS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.</div><div>– SILT FENCE WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.</div><div>– TEMPORARY SEDIMENTATION BASINS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.</div><div>– MULCHING AND SEEDING OF EXCESSIVE SLOPED AREAS AS NEEDED OR AS DIRECTED BY THE ENGINEER.</div><div>– TEMPORARY VEHICLE TRACKING CONTROL AS NEEDED AND/OR DIRECTED BY THE ENGINEER.</div><div>– CONCRETE WASH AREAS.</div><div>– INLET PROTECTION.</div></div>THESE AND ALL EROSION CONTROL BEST MANAGEMENT PRACTICES AS SHOWN IN THE GRADING AND EROSION CONTROL PLANS SHALL BE STRICTLY ADHERED TO.</div><div>10. FINISHED CONTOURS/SPOT ELEVATIONS SHOWN HEREON REPRESENT FINISHED GRADES. ALL PAVEMENT SUBGRADES ARE BASED ON THE COMPOSITE ASPHALT PAVEMENT RECOMMENDATIONS MADE IN THE "GEOTECHNICAL STUDY" FOR LORSON RANCH.</div></div></div> <div><div>EL PASO COUNTY STANDARD CONSTRUCTION NOTES:</div><div><div>1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.</div><div>2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).</div><div>3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:<div><div>a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)</div><div>b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2</div><div>c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION</div><div>d. CDOT M & S STANDARDS</div></div></div><div>4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER–THE–FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.</div><div>5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.</div><div>6. CONTRACTOR SHALL SCHEDULE A PRE–CONSTRUCTION MEETING WITH PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.</div><div>7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS–ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.</div><div>8. CONTRACTOR SHALL NOT DEViate FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.</div><div>9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.</div><div>10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.</div><div>11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.</div><div>12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.</div><div>13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY PUBLIC WORKS DEPARTMENT AND MUTCD CRITERIA.</div><div>14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY PUBLIC WORKS DEPARTMENT, INCLUDING WORK WITHIN THE RIGHT–OF–WAY AND SPECIAL TRANSPORT PERMITS.</div><div>15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF–SITE DISTURBANCE, GRADING, OR CONSTRUCTION.</div></div></div> <div><div>STORM SEWER NOTES:</div><div><div>1. CONTRACTOR SHALL USE "TYLOX SUPER SEAL" OR APPROVED EQUAL JOINT GASKET FOR ALL RCP STORM SEWER JOINTS</div></div></div>	
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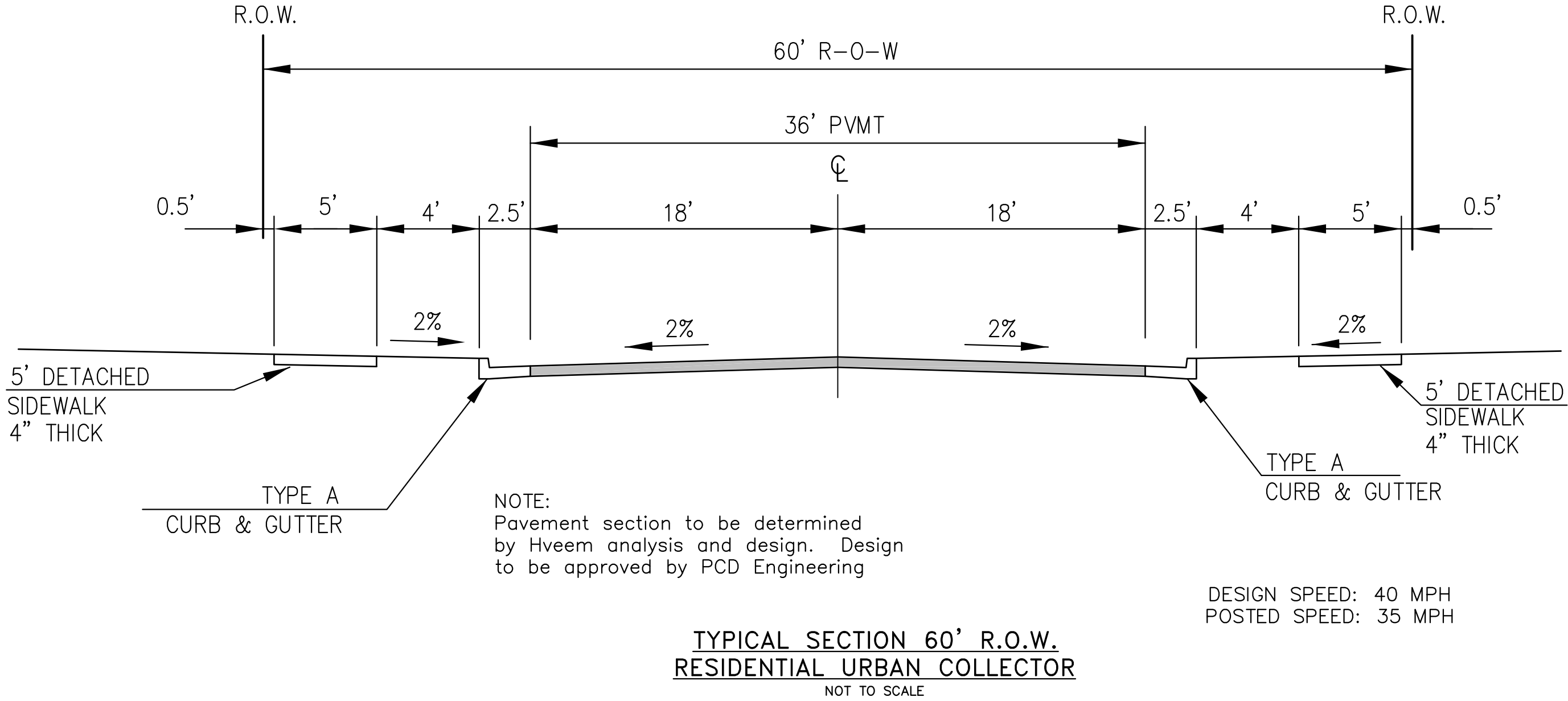


LOCAL ROADWAY SIGHT TRIANGLE
PUBLIC IMPROVEMENT ESMT.
NOT TO SCALE

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



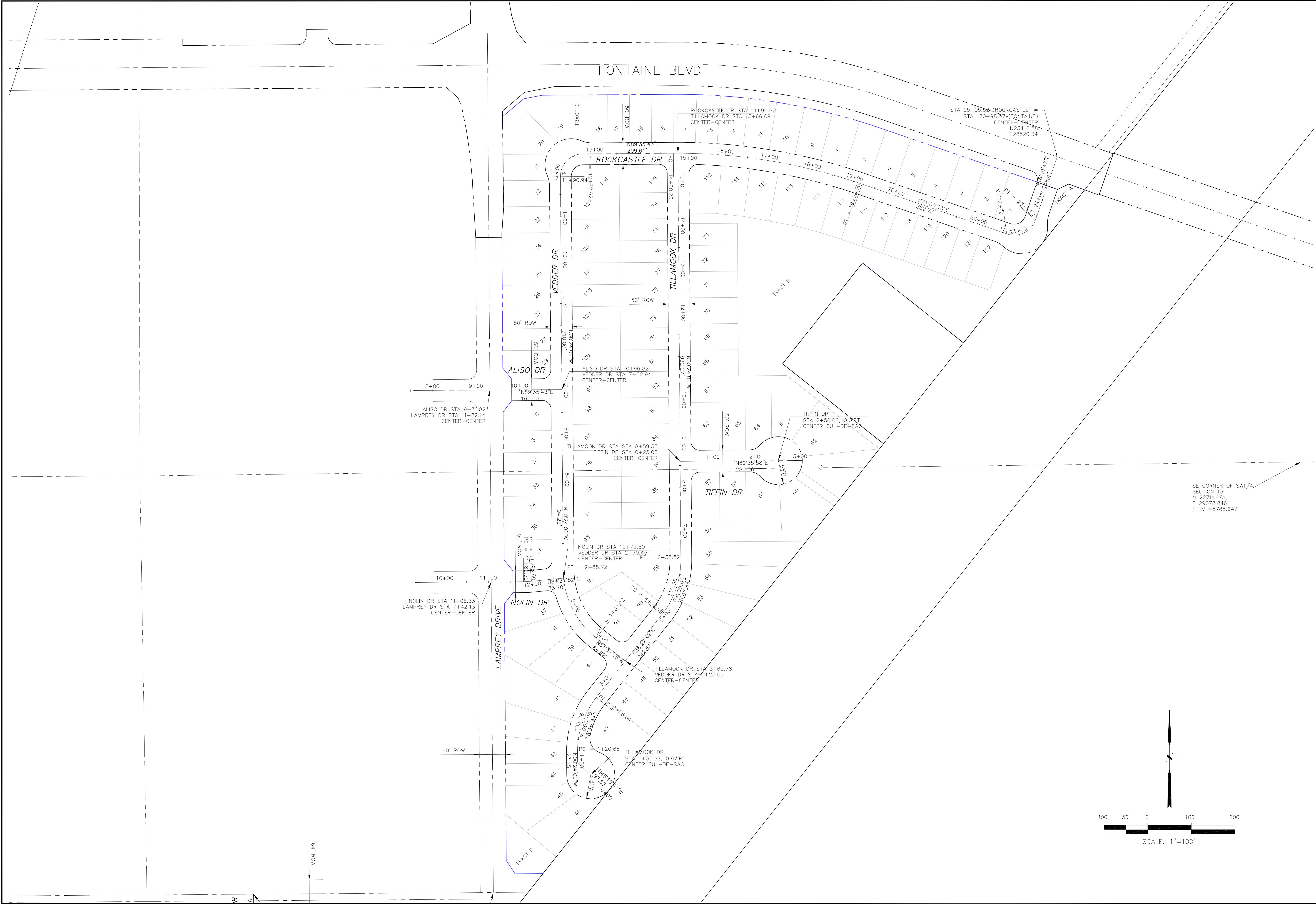
VEDDER DRIVE, ROCKCASTLE DRIVE, TILLAMOOK DRIVE, TIFFIN DRIVE, NOLIN DRIVE, ALISO DRIVE,
MAGOTHY DRIVE, VOLGA DRIVE, WITCHER DRIVE, HORTON DRIVE, YOCONA DRIVE,
ABITA DRIVE, SKUNA DRIVE



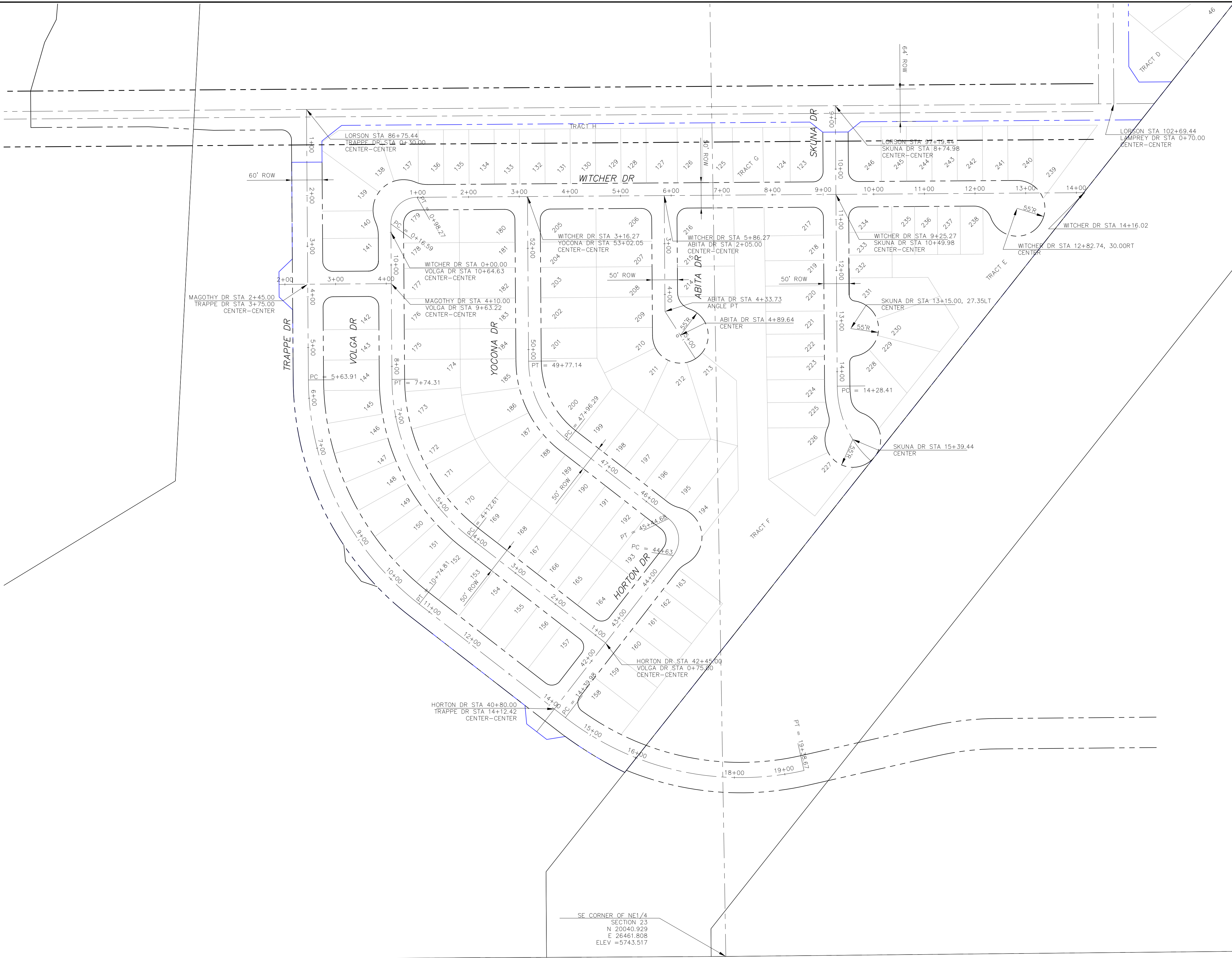
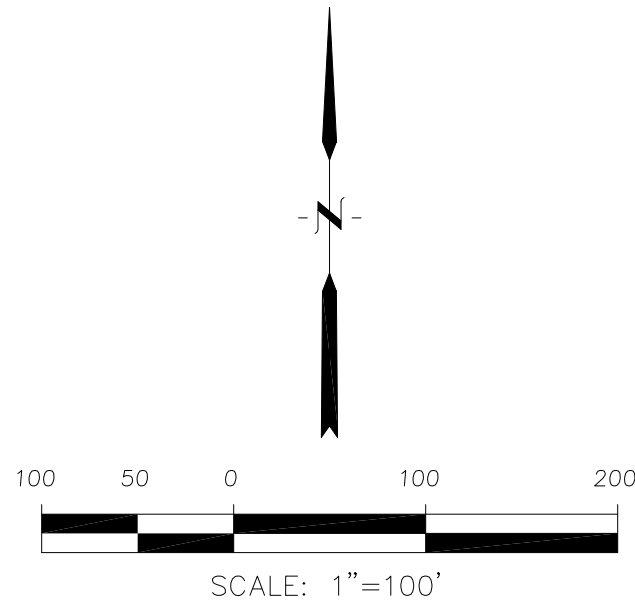
TYPICAL SECTION 60' R.O.W.
RESIDENTIAL URBAN COLLECTOR
NOT TO SCALE

TRAPPE DRIVE

CORE		ENGINEERING GROUP	
15004 1ST AVENUE S. BURNSVILLE, MN 55306 PH: 763.570.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: rich@cegi.com		15004 1ST AVENUE S. BURNSVILLE, MN 55306 PH: 763.570.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: rich@cegi.com	
DATE		DATE	
DESCRIPTION		DESCRIPTION	
NO.		NO.	
DRAWN: RLS DESIGNED: RLS CHECKED: RLS		DRAWN: RLS DESIGNED: RLS CHECKED: RLS	
PROJECT: LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO		PROJECT: LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO	
PREPARED FOR: LORSON, LLC 212 N. WAHATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF MARK		PREPARED FOR: LORSON, LLC 212 N. WAHATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF MARK	
TYPICAL SECTIONS		TYPICAL SECTIONS	
DATE: FEBRUARY 28, 2019		DATE: FEBRUARY 28, 2019	
PROJECT NO. 100.048		PROJECT NO. 100.048	
SHEET NUMBER C1.3		SHEET NUMBER C1.3	
TOTAL SHEETS: 40		TOTAL SHEETS: 40	



CORE ENGINEERING GROUP 15004 1ST AVENUE S, DENVER, CO 80202 PHONE: 303.733.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg1.com	
DATE	
DESCRIPTION	
NO.	
DRAWN: RLS DESIGNED: RLS CHECKED: RLS	
PROJECT: LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO	
PREPARED FOR: LORSON, LLC 212 N. WAHSATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK	
LORSON RANCH EAST FILING NO. 4 HORIZONTAL CONTROL PLAN NORTH AREA	
DATE: FEBRUARY 28, 2019	
PROJECT NO. 100.048	
SHEET NUMBER C2.1	
TOTAL SHEETS: 40	



LORSON RANCH EAST FILING NO. 4
HORIZONTAL CONTROL PLAN

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C2.2

TOTAL SHEETS: 40

NO. _____

DESCRIPTION _____

DATE _____

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

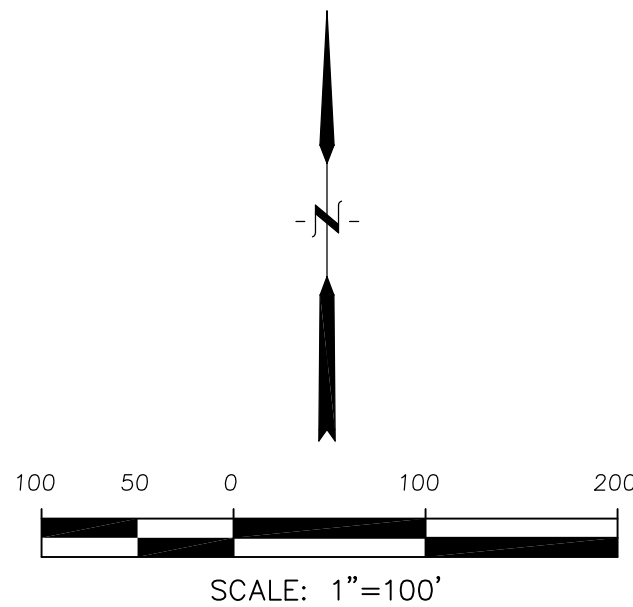
PROJECT:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

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

CORE
ENGINEERING GROUP

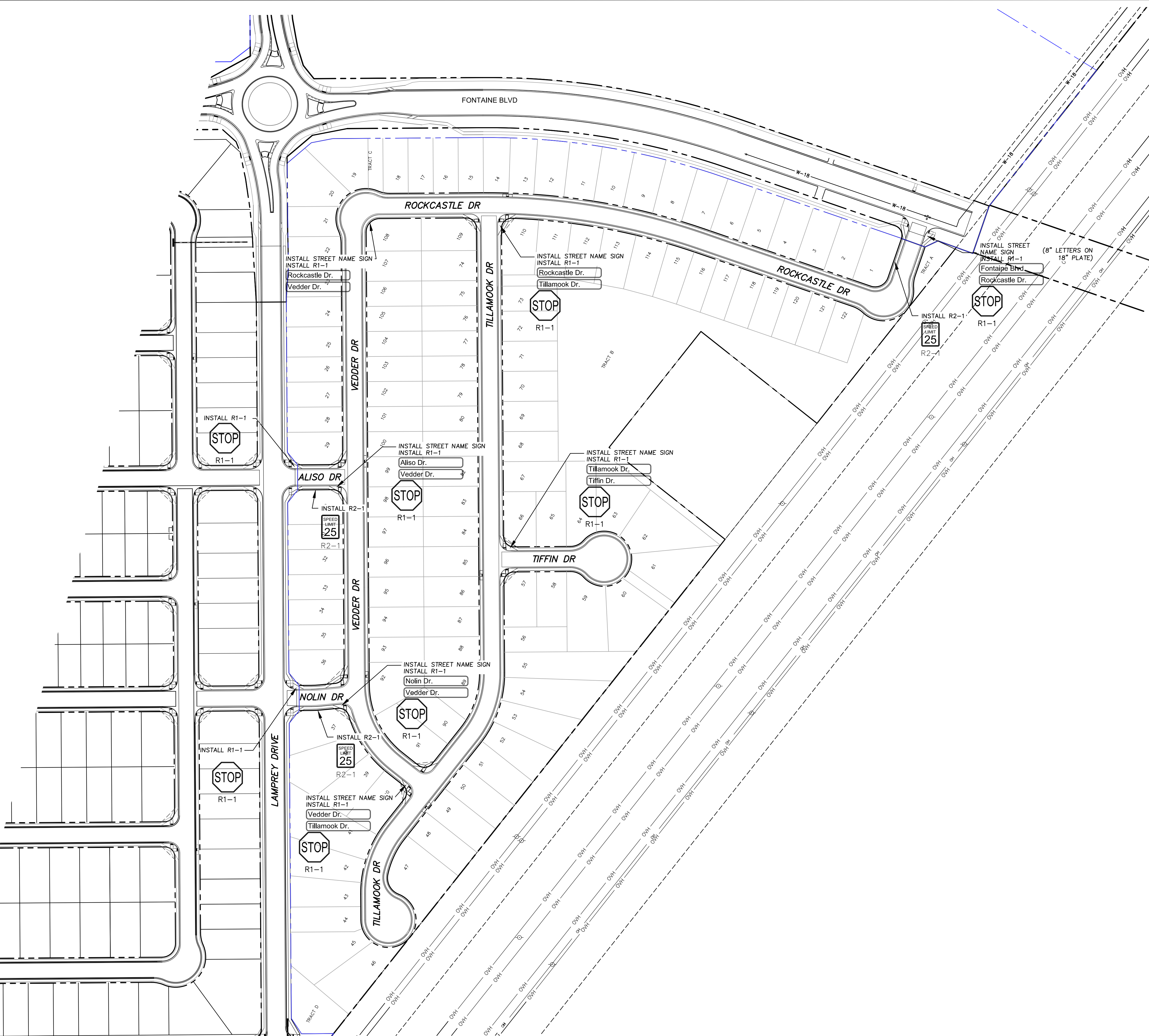
15004 1ST AVENUE S.
BURNING WOOD, WY 82405
PHONE: 307.635.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

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



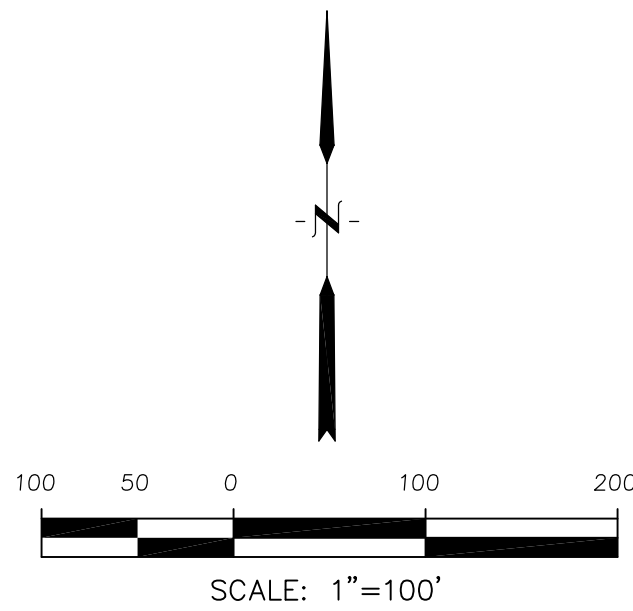
Signing and Striping Notes:

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.



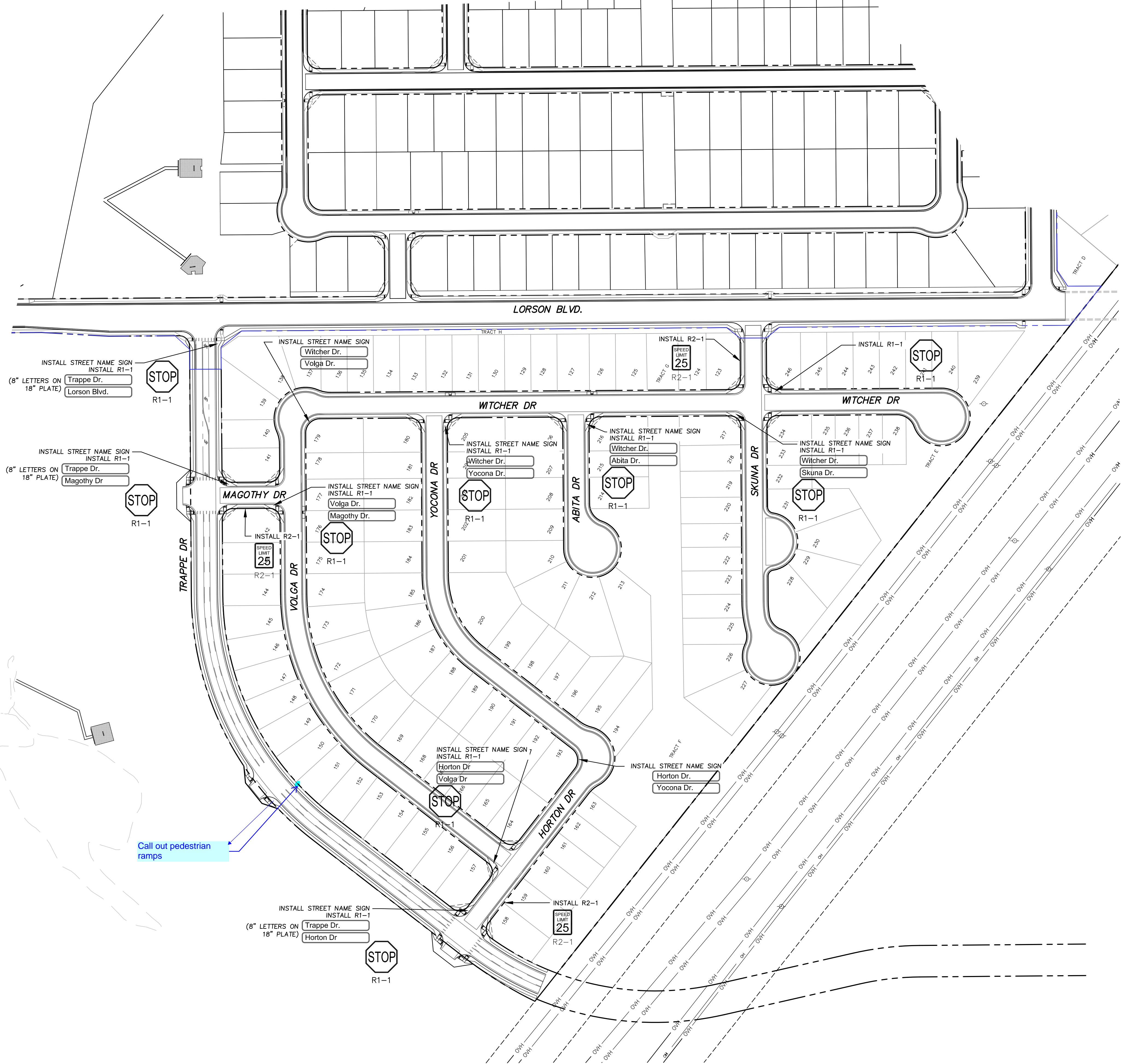
CORE		ENGINEERING GROUP	
15004 1ST AVENUE S. BURNING WOODS BOULDER, CO 80504 PHONE: 727.970.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg.com		PROJECT NO. 100.048 SHEET NUMBER C5.1 TOTAL SHEETS: 40	
DATE: FEBRUARY 28, 2019		PROJECT NO. 100.048 SHEET NUMBER C5.1 TOTAL SHEETS: 40	
DESCRIPTION: SIGNING AND STRIPING PLAN		PROJECT NO. 100.048 SHEET NUMBER C5.1 TOTAL SHEETS: 40	
NO. 1		PROJECT NO. 100.048 SHEET NUMBER C5.1 TOTAL SHEETS: 40	
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DESCRIPTION: SIGNING AND STRIPING PLAN		PROJECT NO. 100.048 SHEET NUMBER C5.1 TOTAL SHEETS: 40	

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

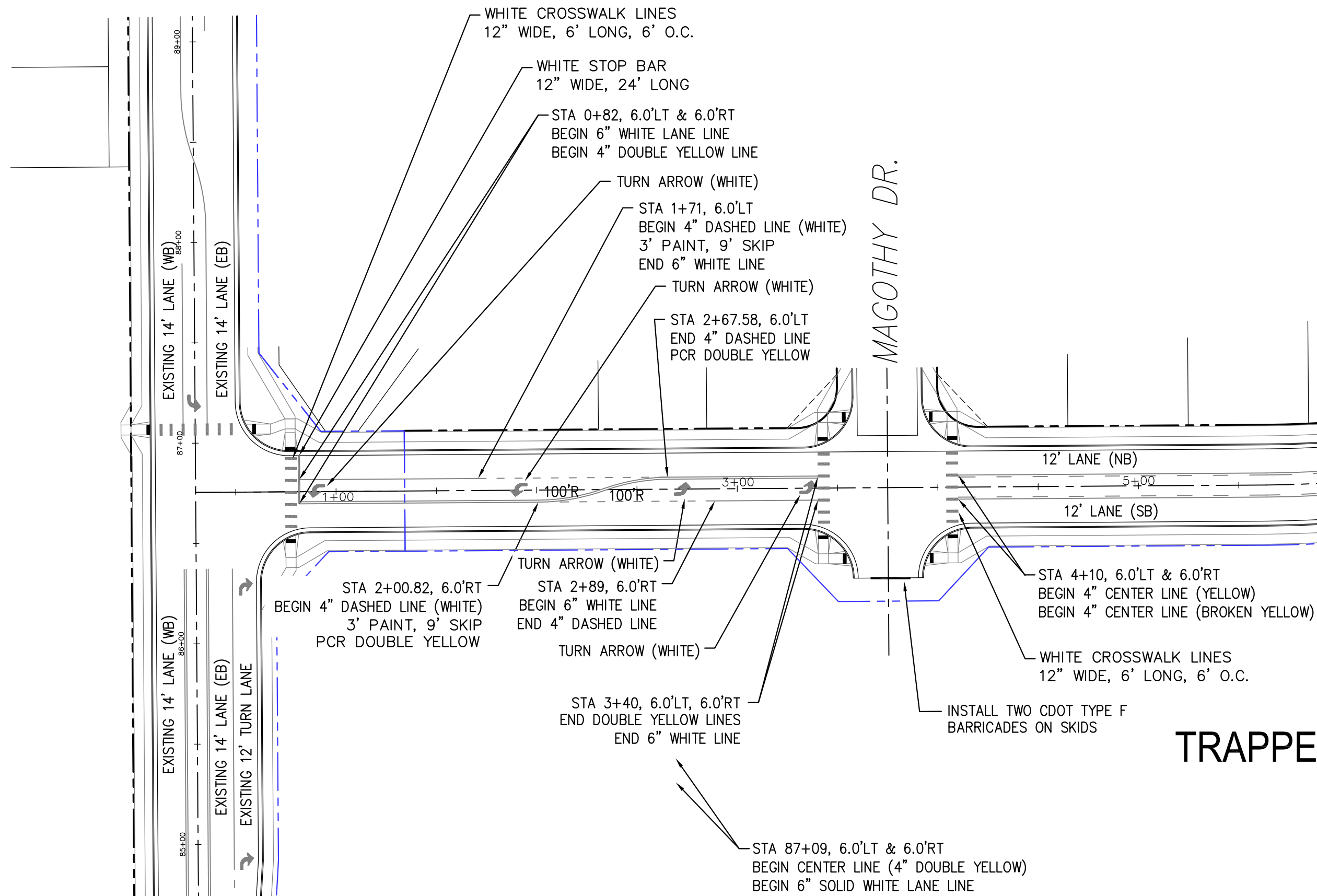


Signing and Striping Notes:

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.



CORE ENGINEERING GROUP 15004 1ST AVENUE S. BURNING WOOD, CO 80903 PHONE: 719.570.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg.com	
DATE:	
DESCRIPTION:	
NO.:	
PROJECT:	LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO
PREPARED FOR:	LORSON, LLC 212 N. WAHSATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF MARK
DRAWN:	RLS
DESIGNED:	RLS
CHECKED:	RLS
SIGNING AND STRIPING PLAN LORSON RANCH EAST FILING NO. 4 SOUTH AREA	
DATE: FEBRUARY 28, 2019	
PROJECT NO. 100.048	
SHEET NUMBER C5.2	
TOTAL SHEETS: 40	



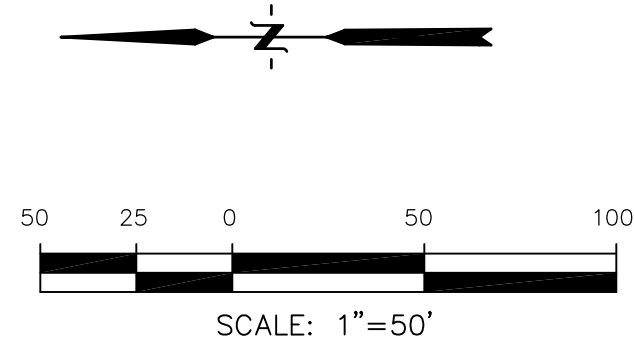
EXISTING LORSON BLVD
SEE SF 18-008

TRAPPE DRIVE

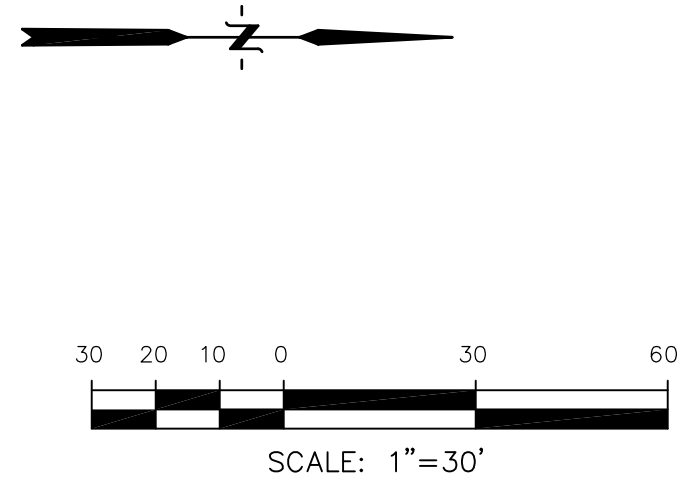
EUTURE STREET

HORTON DR.

Trappe Drive ped. crossing
for this future street.



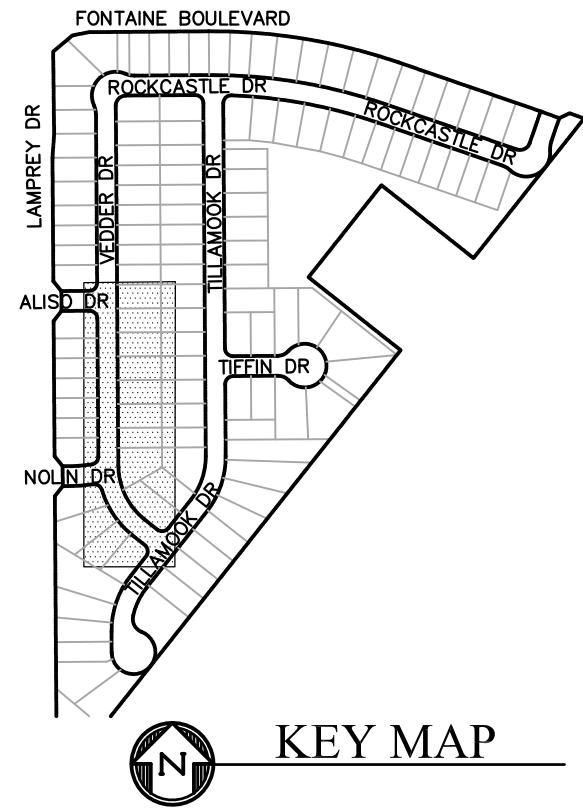
CORE ENGINEERING GROUP 15004 1ST AVENUE S. BURNING WOOD, MO 65506 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg.com	
DATE	
DESCRIPTION	
NO.	
DRAWN: RLS DESIGNED: RLS CHECKED: RLS	
PROJECT: LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO	
PREPARED FOR: LORSON, LLC 212 N. WAHSATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK	
LORSON RANCH EAST FILING NO. 4 SIGNING/STRIPING PLAN TRAPPE DRIVE	
DATE: FEBRUARY 28, 2019	
PROJECT NO. 100.048	
SHEET NUMBER C5.3	
TOTAL SHEETS: 40	



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



CORE
ENGINEERING GROUP
15004 1ST AVENUE S.
BURNSVILLE, MN 55306
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

PROJECT:	LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO		
NO.	DESCRIPTION	DATE	PREPARED FOR: LORSON, LLC 212 N. WAHSATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK

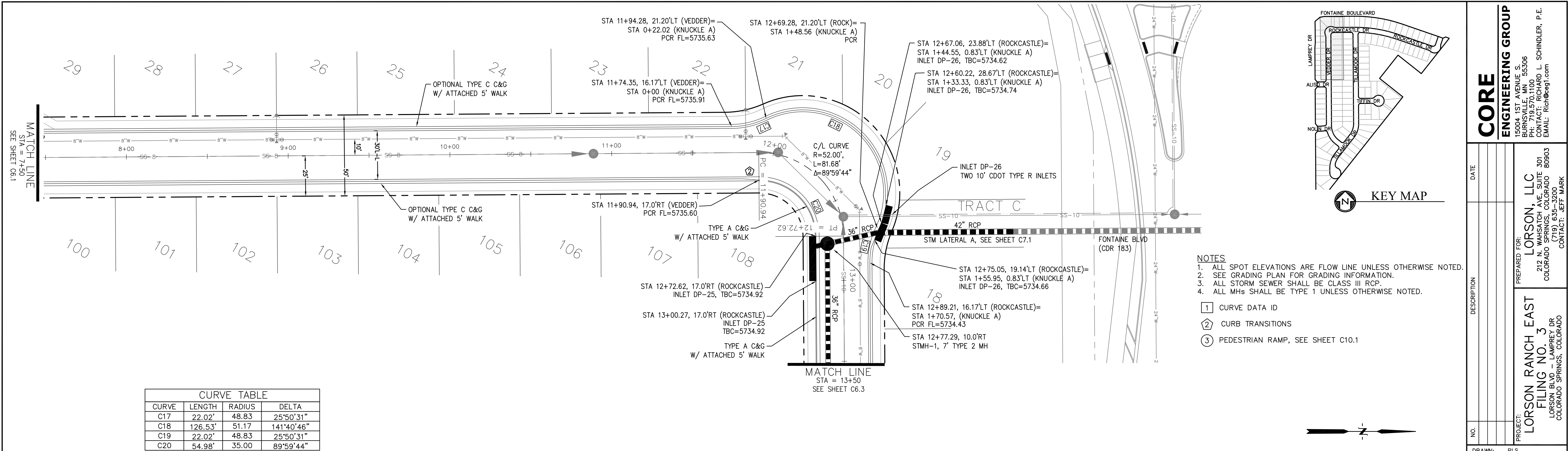
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

DATE:
FEBRUARY 28, 2019

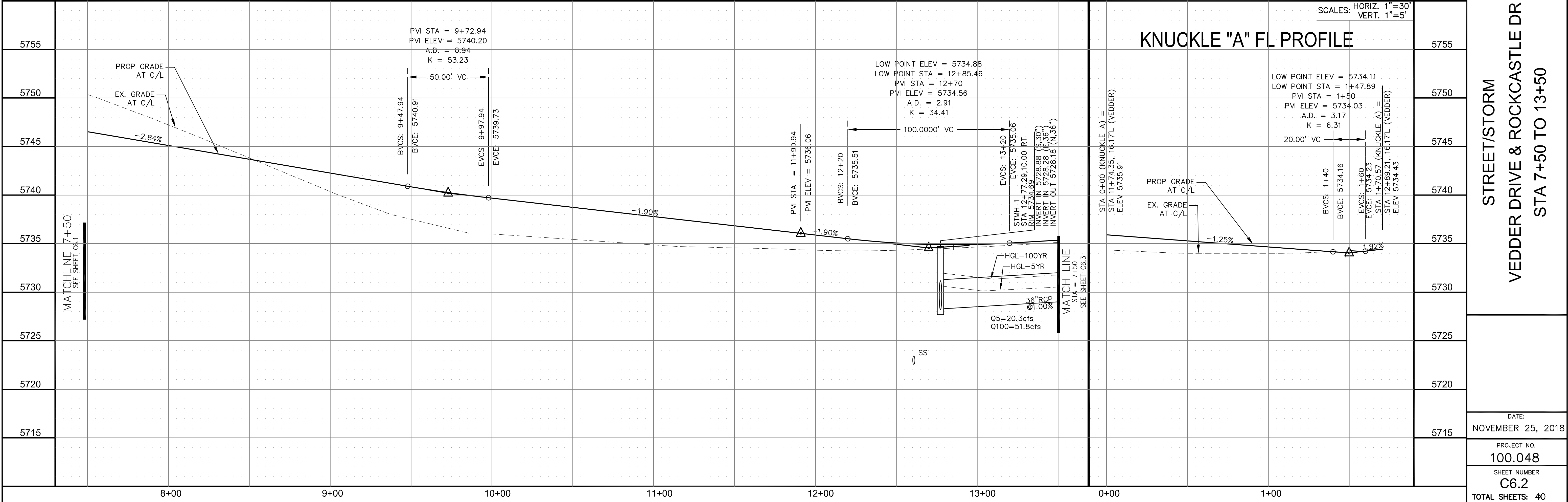
PROJECT NO.
100.048

SHEET NUMBER
C6.1

TOTAL SHEETS:	40
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VEDDER DR - ROCKCASTLE DR



CORE
ENGINEERING GROUP
15004 1ST AVENUE S.
BURNING WOOD, CO 80903
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
CONTACT: JEFF MARK

PROJECT:
LORSON RANCH EAST
FILING NO. 3
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

DATE:
NOVEMBER 25, 2018

PROJECT NO.
100.048

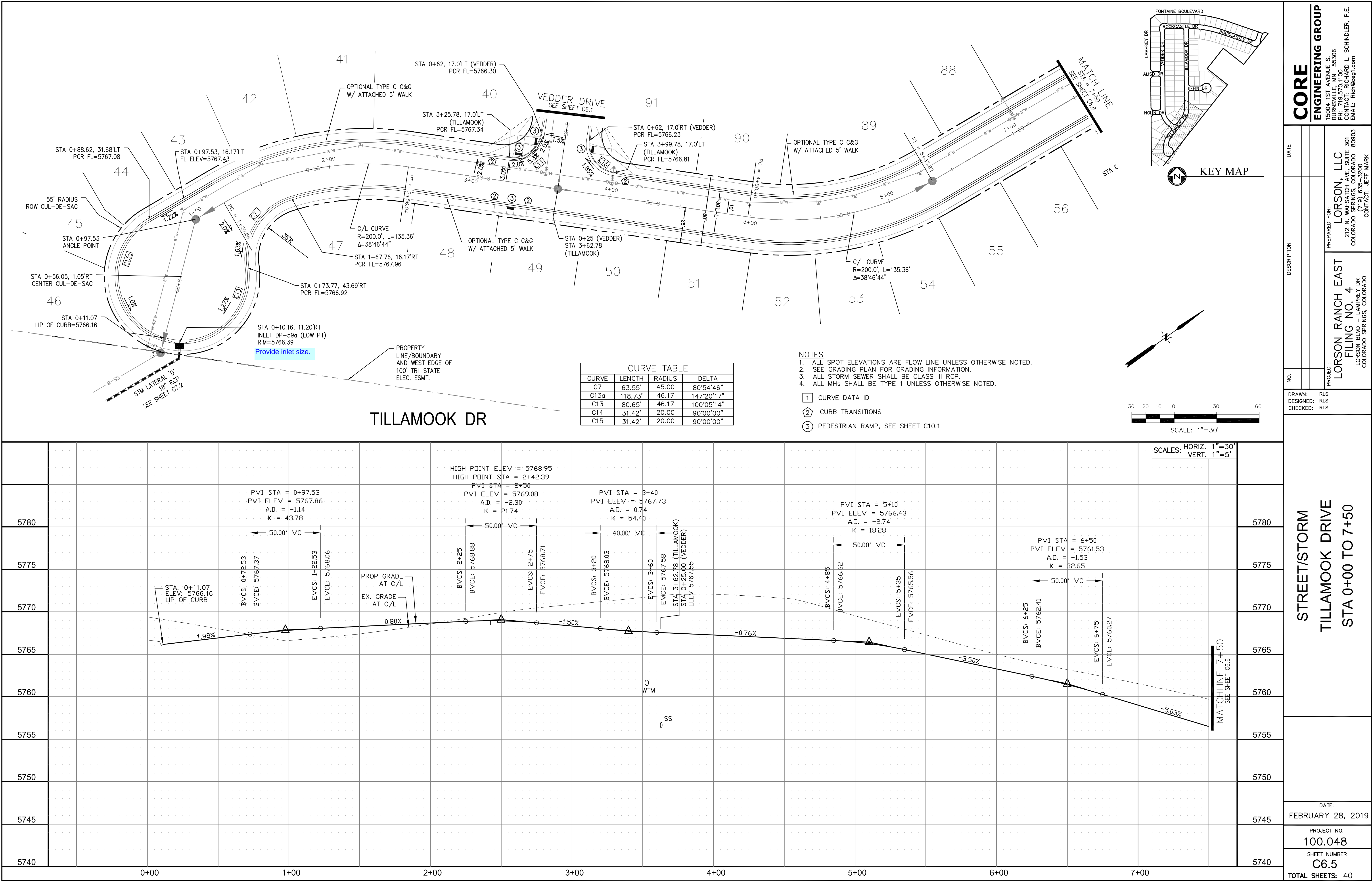
SHEET NUMBER
C6.2

TOTAL SHEETS: 40

STREET/STORM

VEDDER DRIVE & ROCKCASTLE DR

STA 7+50 TO 13+50



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
PHONE: 636.251.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg.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:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

STREET/STORM

TILLAMOOK DRIVE

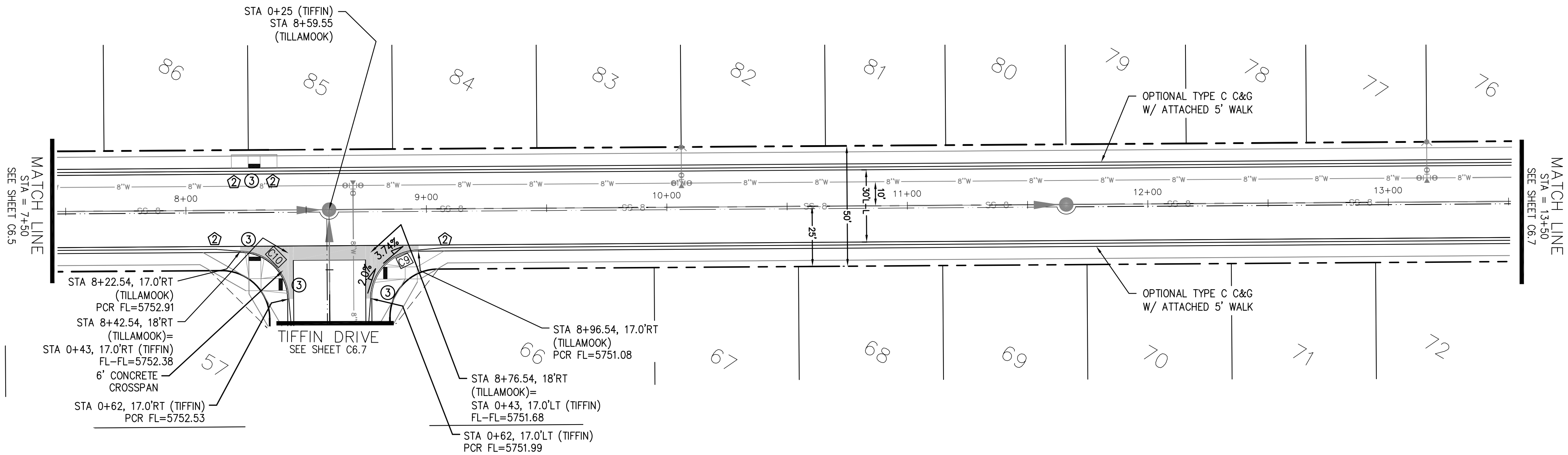
STA 0+00 TO 7+50

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C6.5

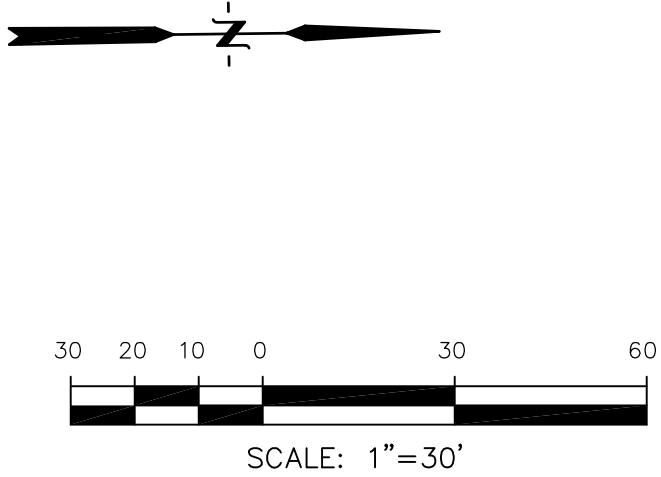
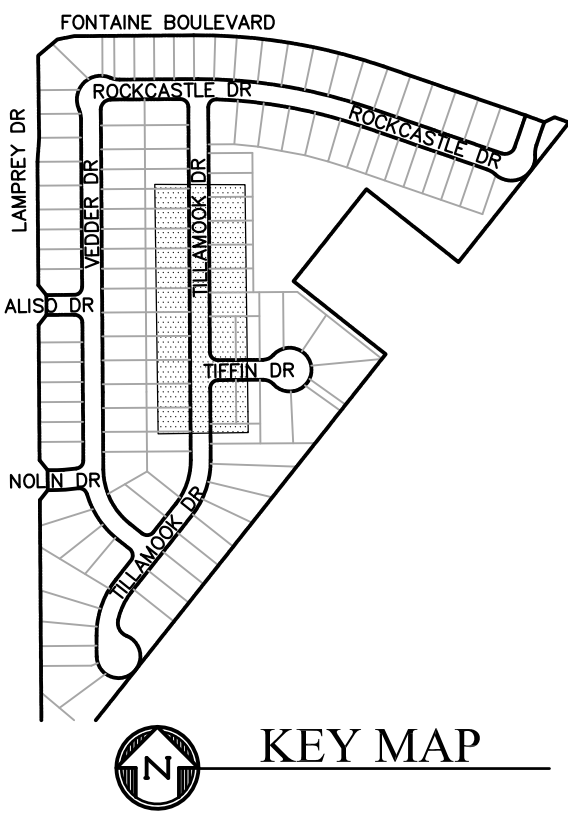
TOTAL SHEETS: 40



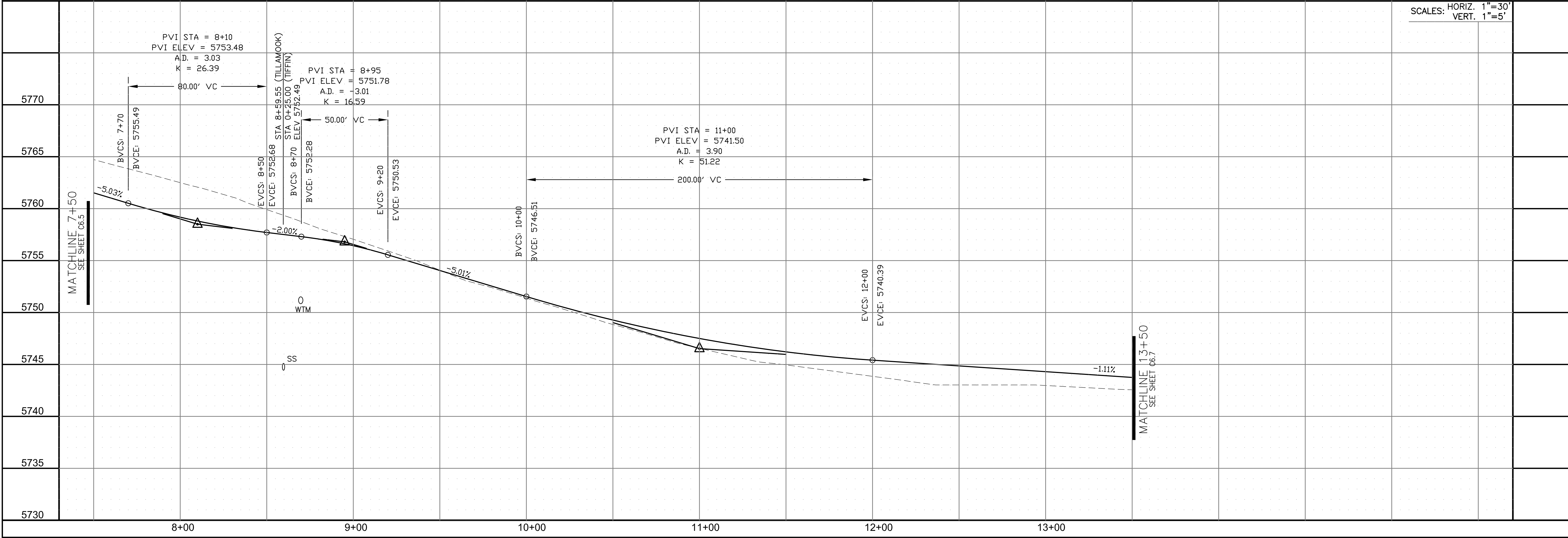
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C9	31.42'	20.00	89°59'58"
C10	31.42'	20.00	90°00'02"

- 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



TILLAMOOK DR



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE

DESCRIPTION

NO.

PROJECT:

LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PREPARED FOR:

LORSON, LLC
212 N. WAHSATCH AVE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DRAWN:

RLS

DESIGNED:

RLS

CHECKED:

RLS

STREET/STORM
TILLAMOOK DRIVE
STA 7+50 TO 13+50

DATE:

FEBRUARY 28, 2019

PROJECT NO.

100.048

SHEET NUMBER

C6.6

TOTAL SHEETS:

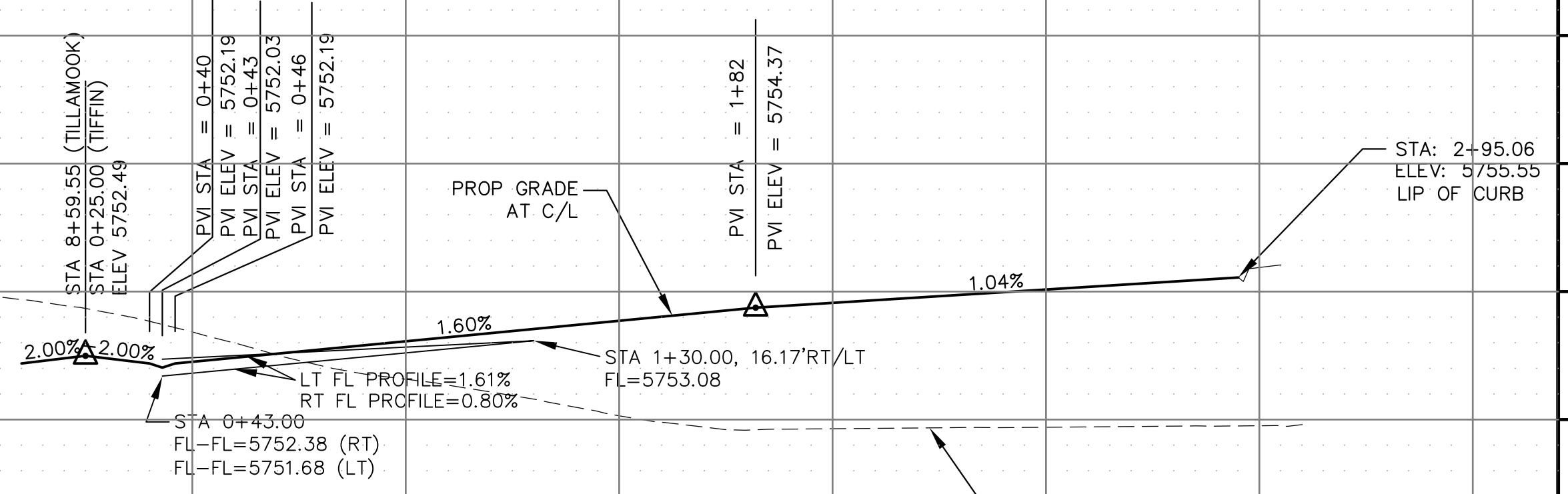
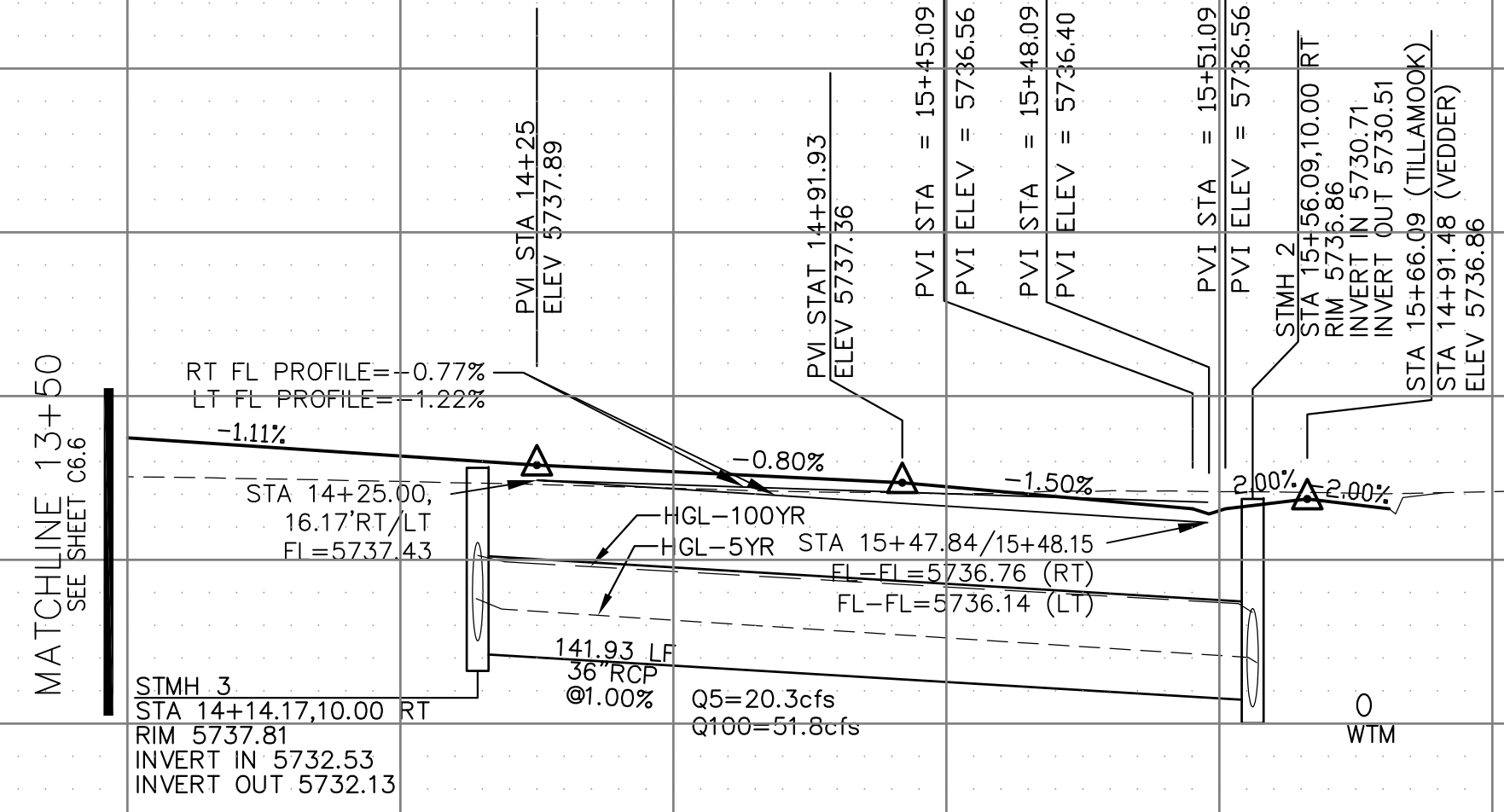
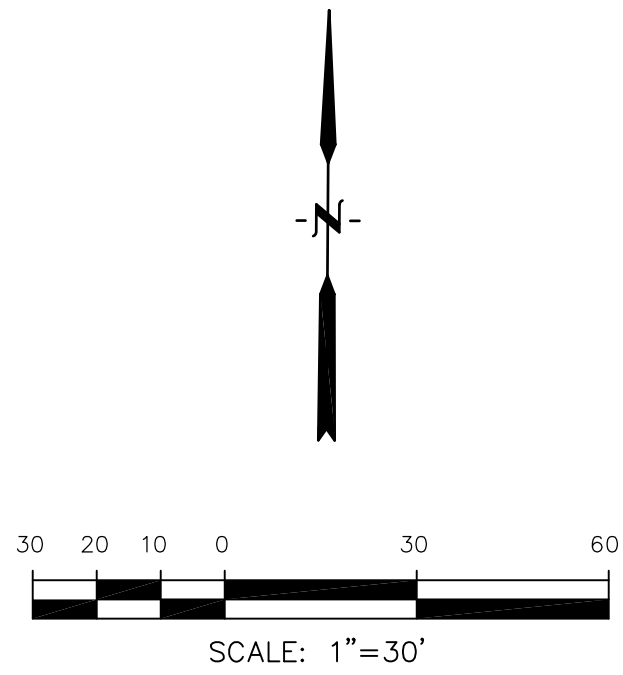
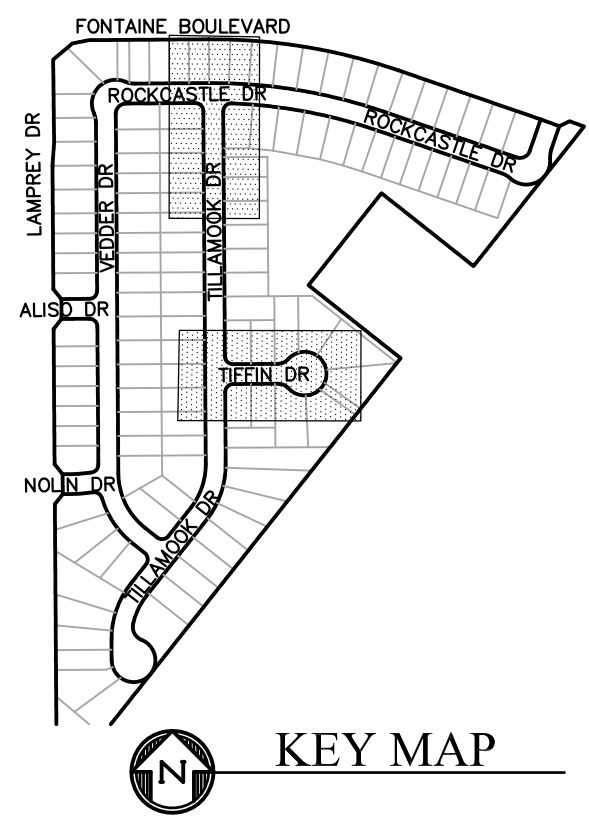
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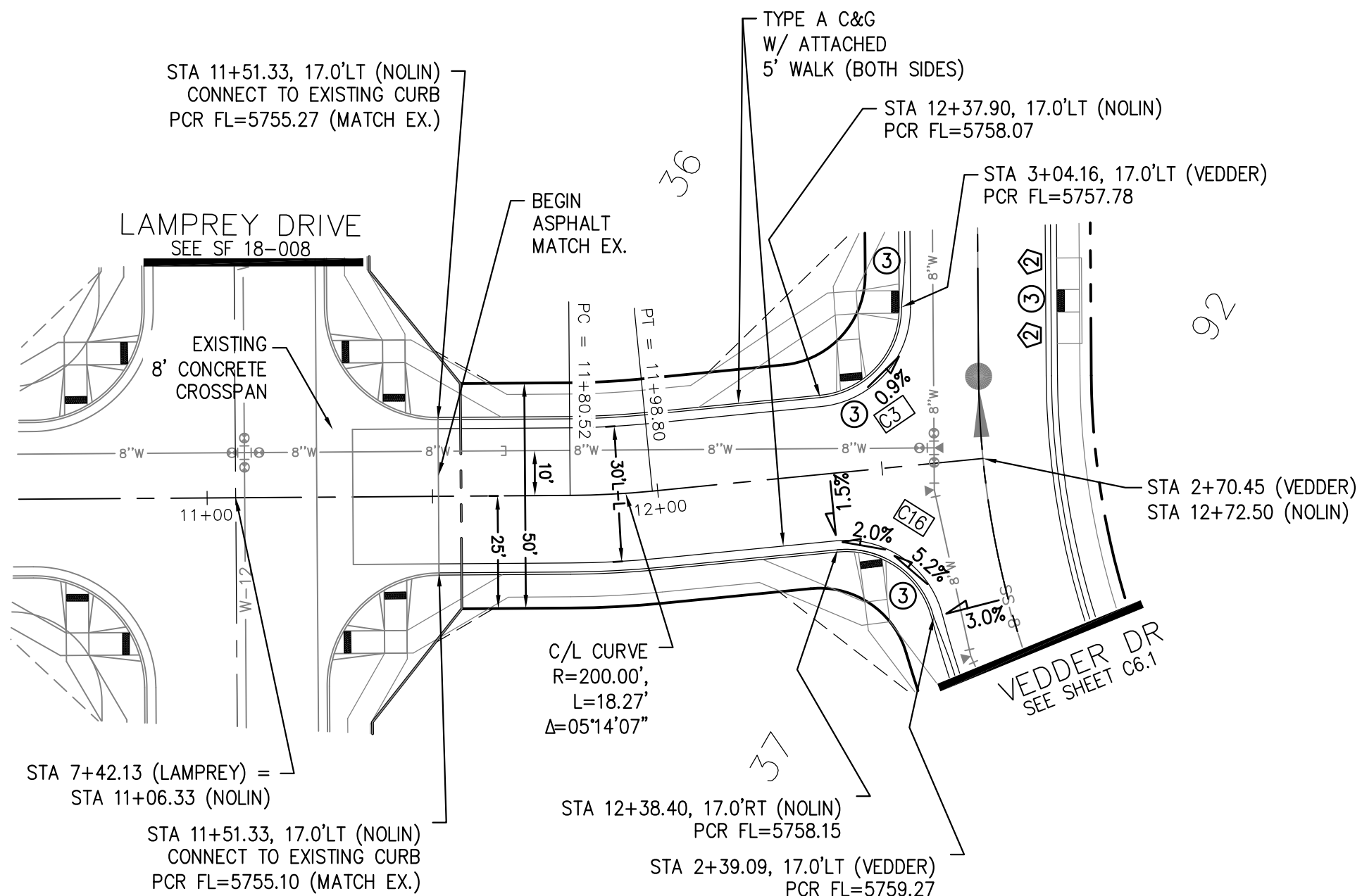
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C8	37.59'	45.00	47°51'31"
C9	31.42'	20.00	89°59'58"
C10	31.42'	20.00	90°00'02"
C11	37.59'	45.00	47°51'41"
C12	111.09'	46.17	137°51'40"
C12a	111.09'	46.17	137°51'32"
C21	31.42'	20.00	90°00'16"
C22	32.17'	20.00	92°09'02"



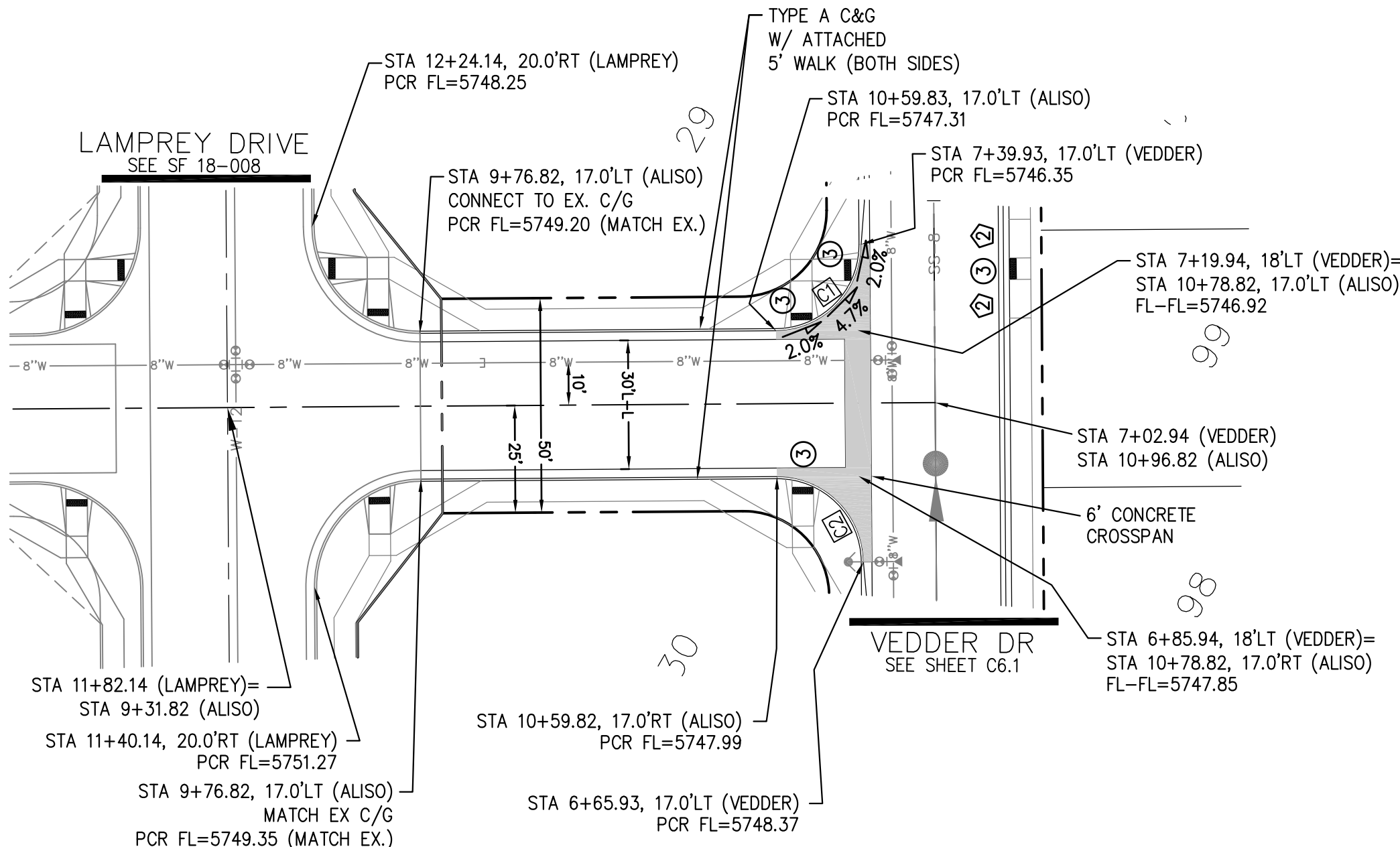
- NOTES**
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHs SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.
- 1 CURVE DATA ID
- 2 CURB TRANSITIONS
- 3 PEDESTRIAN RAMP, SEE SHEET C10.1

[illegible]

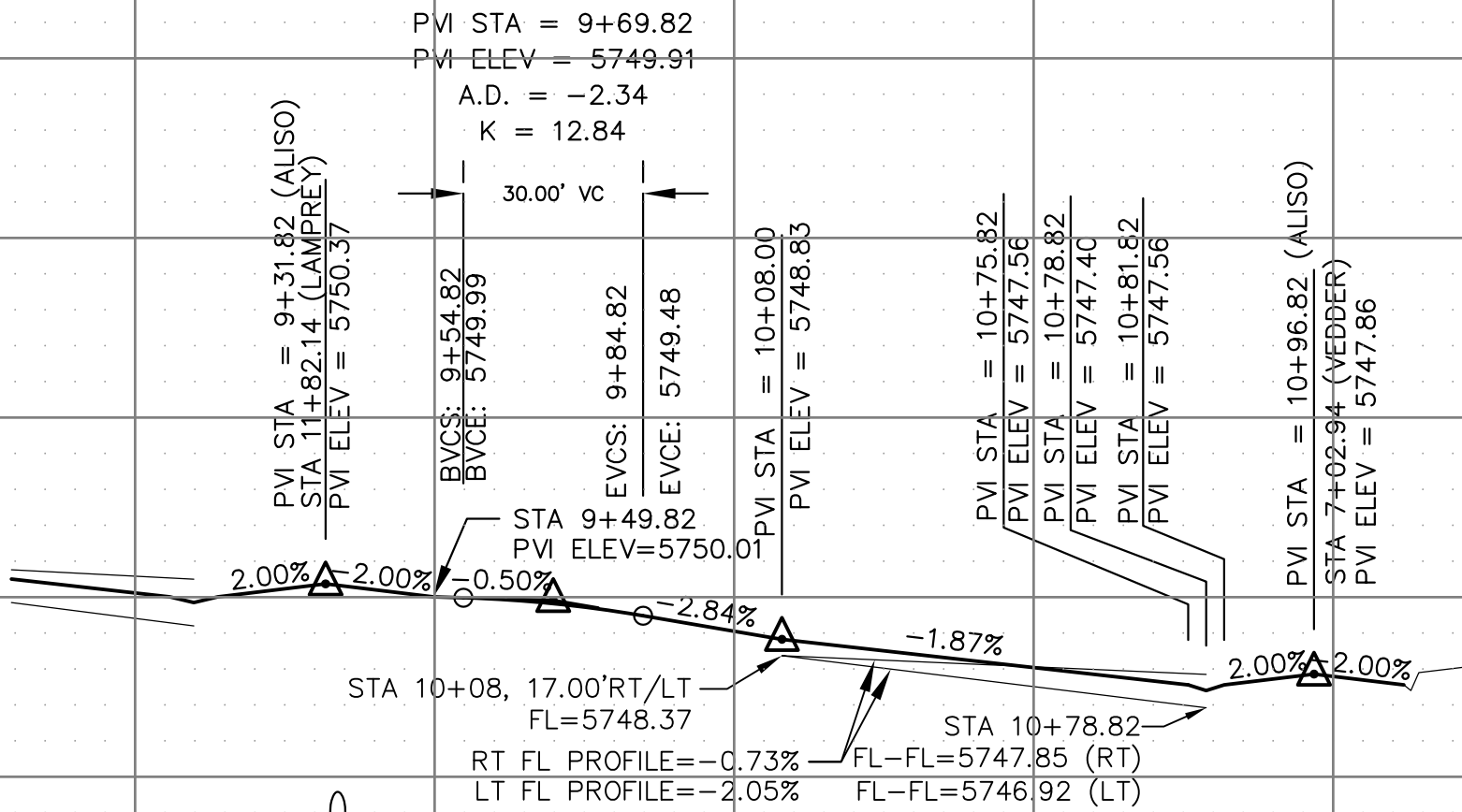
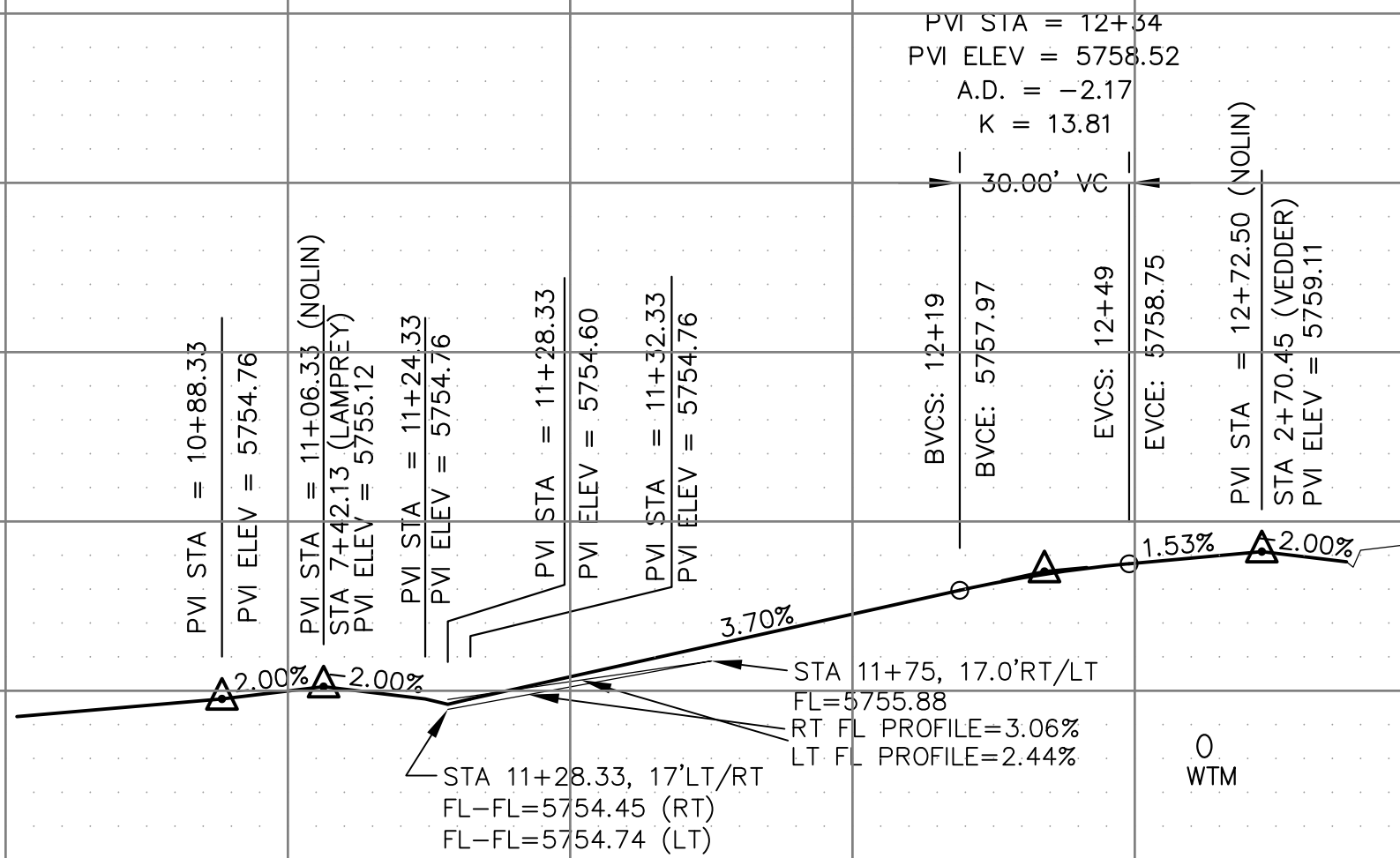
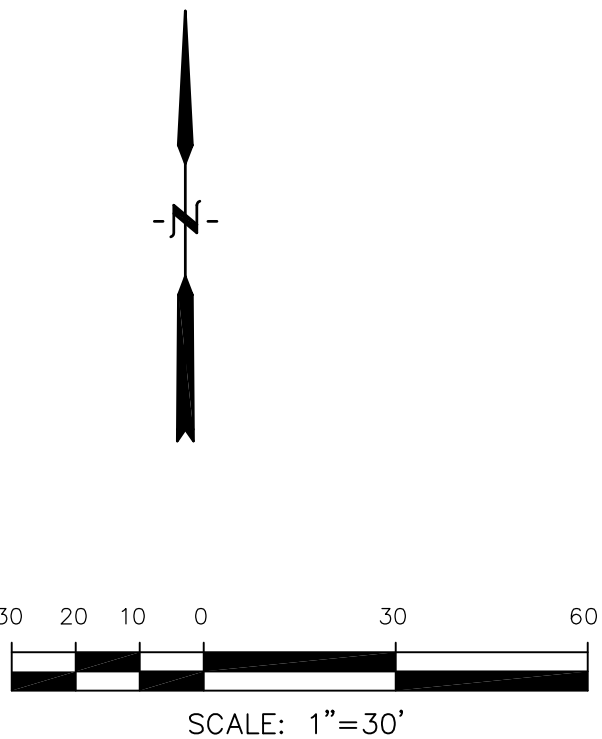
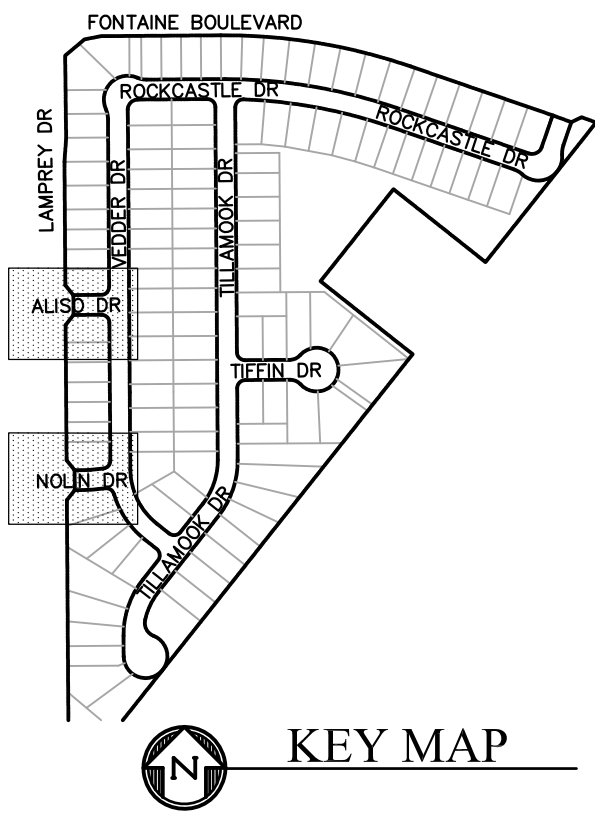
<div>STREET/STORM</div> <div>TILLAMOOK DRIVE & TIFFIN DRIVE</div> <div>STA 13+50 TO 15+66</div>		DATE:	
		FEBRUARY 28, 2019	
		PROJECT NO.	
		100.048	
		SHEET NUMBER	
C6.7			
TOTAL SHEETS: 40		DATE:	
FEBRUARY 28, 2019		PROJECT NO.	
100.048		SHEET NUMBER	
C6.7		TOTAL SHEETS: 40	



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	31.41'	20.00	89°59'44"
C2	31.42'	20.00	90°00'16"
C3	29.59'	20.00	84°45'53"
C16	28.28'	20.00	81°01'06"



- 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



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

CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
PHONE: 636.251.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.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:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

STREET/STORM

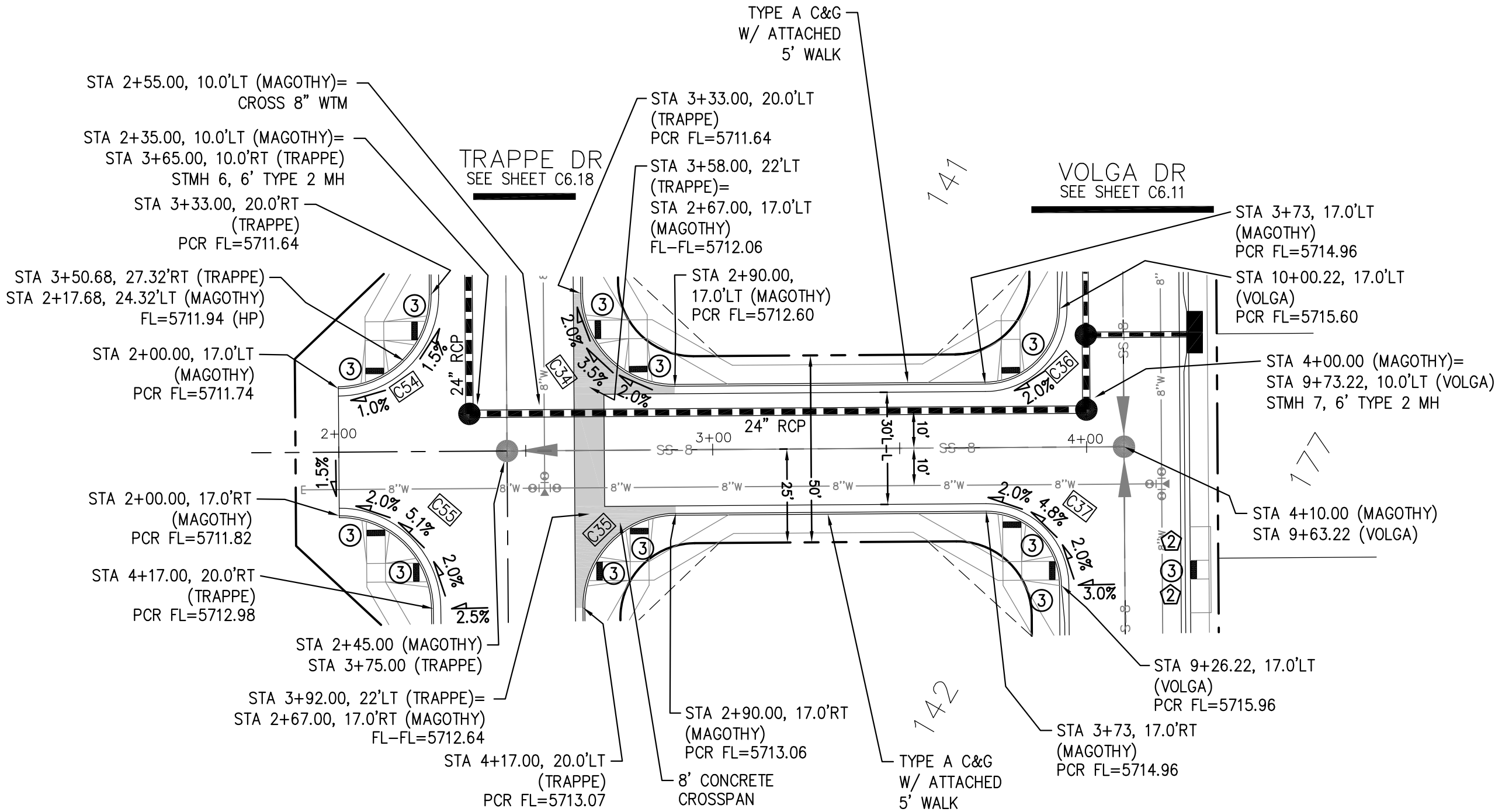
NOLIN DR & ALISO DR

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C6.8

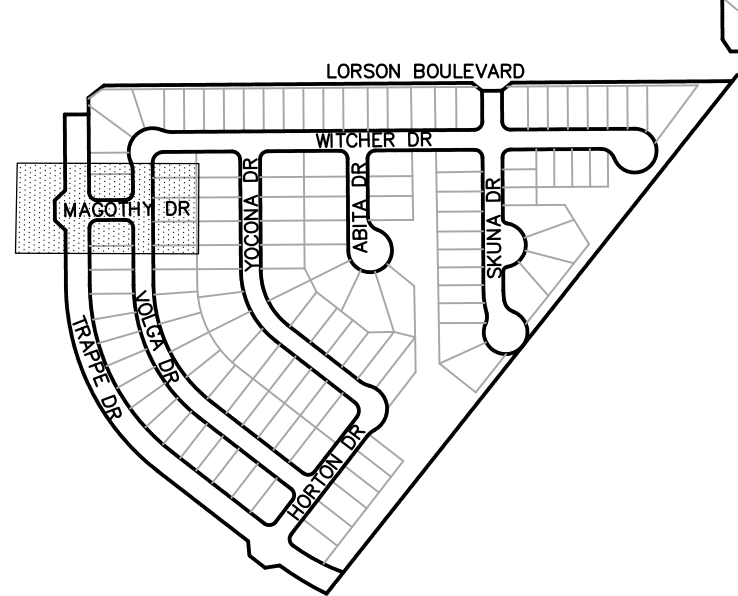
TOTAL SHEETS: 40



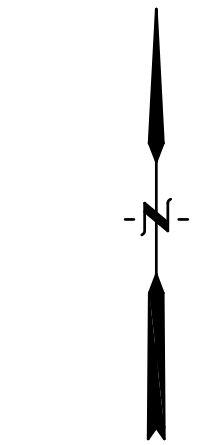
MAGOTHY DR

- 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



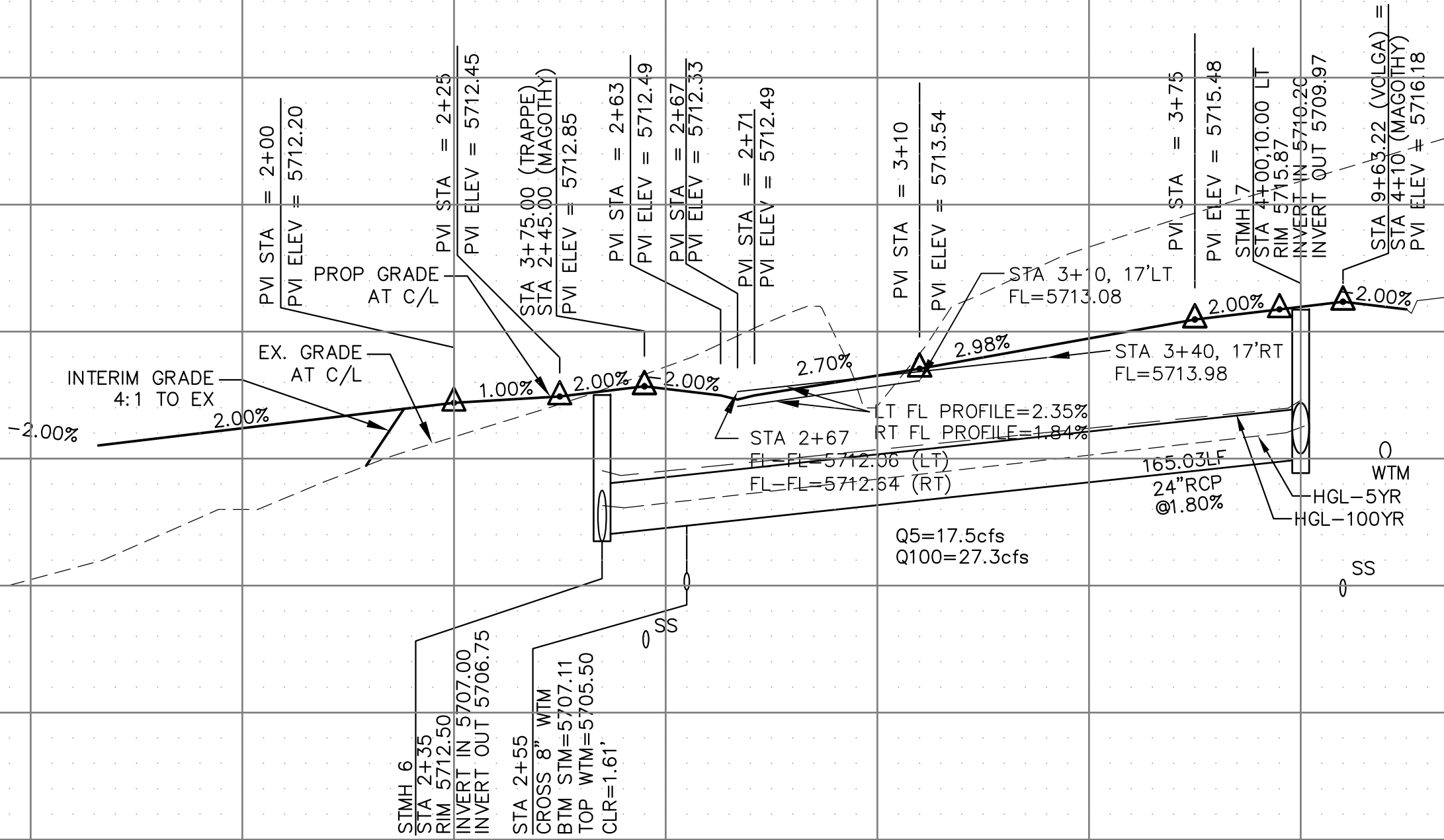
KEY MAP



30 20 10 0 30 60

SCALE: 1"=30'

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C34	39.27'	25.00	90°00'00"
C35	39.27'	25.00	90°00'00"
C36	31.42'	20.00	90°00'00"
C37	31.42'	20.00	90°00'00"
C54	39.27'	25.00	90°00'00"
C55	39.27'	25.00	90°00'00"



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

CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 65506
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@csg1.com

DATE

DESCRIPTION

NO.

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PROJECT: LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

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

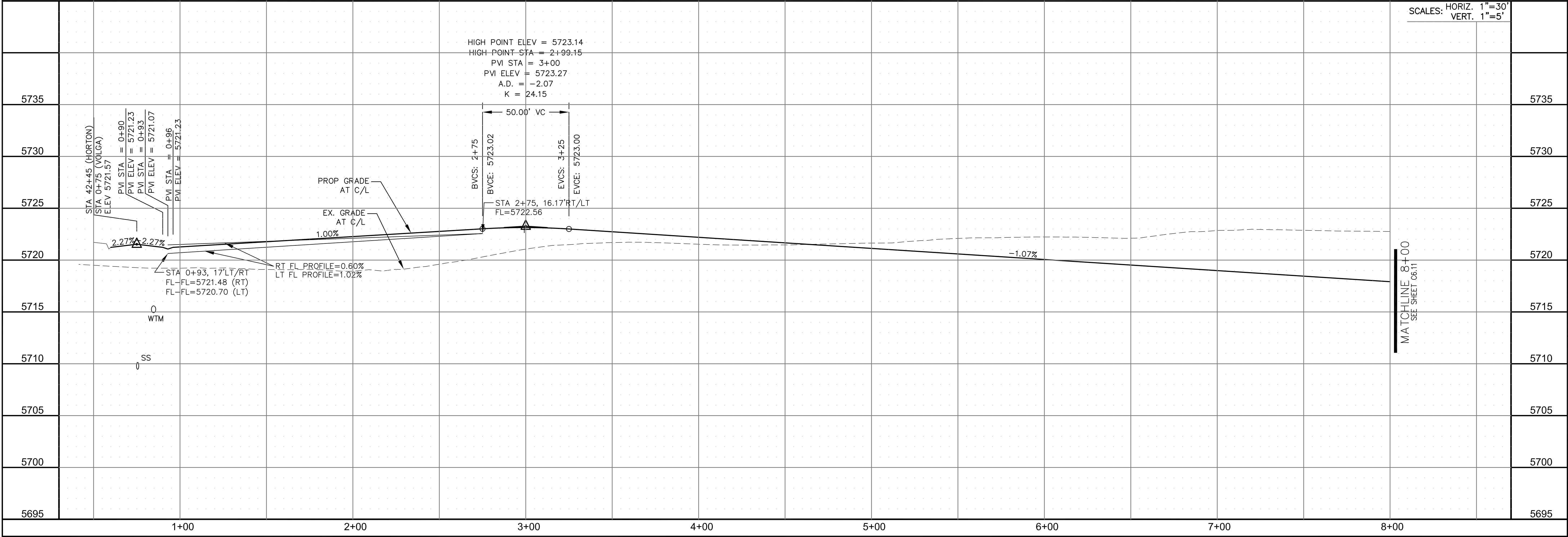
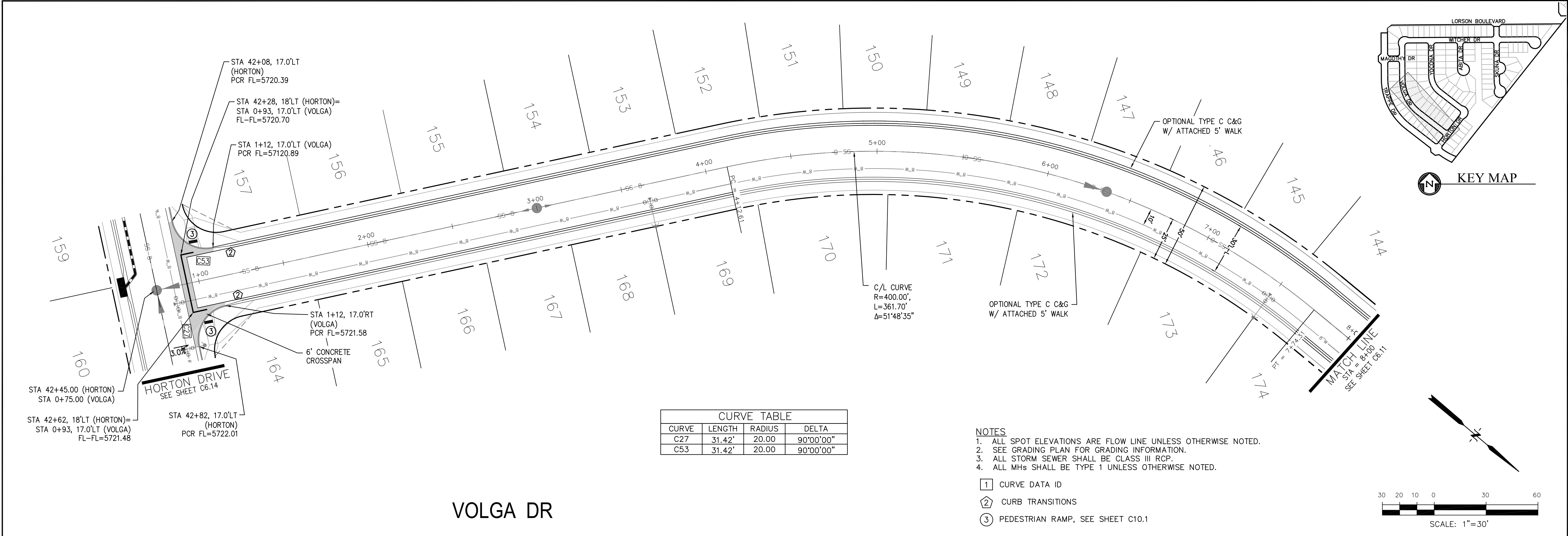
STREET/STORM
MAGOTHY DR
STA 1+90 TO 4+10

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C6.9

TOTAL SHEETS: 40



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
PHONE: 636.251.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE

DESCRIPTION

NO.

PROJECT:

LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

PREPARED FOR:

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

DRAWN:

RLS

DESIGNED:

RLS

CHECKED:

RLS

DATE:

FEBRUARY 28, 2019

PROJECT NO.

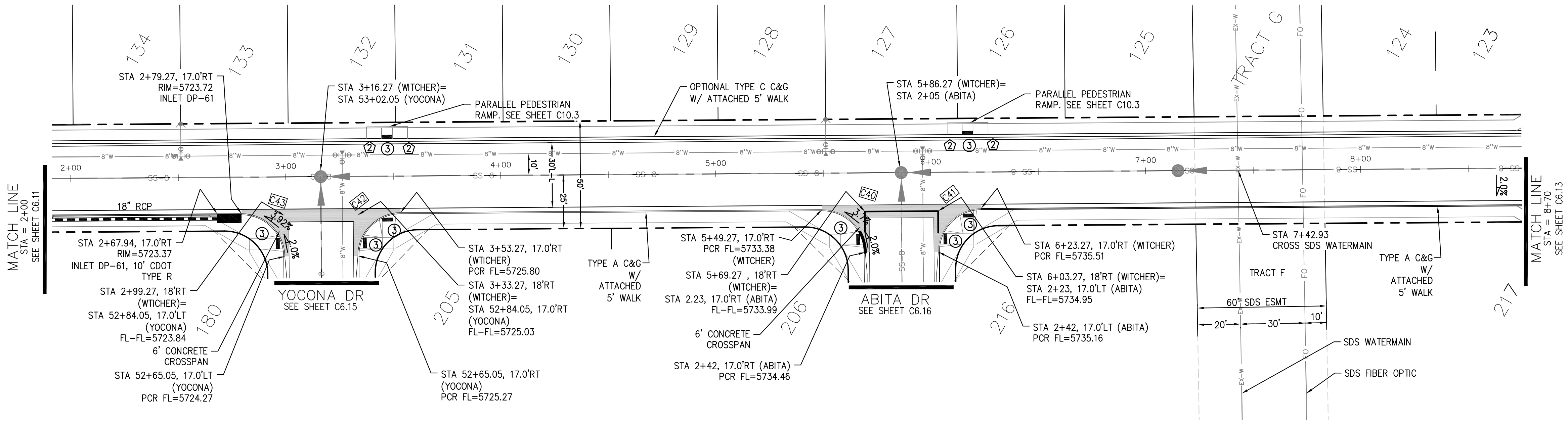
100.048

SHEET NUMBER

C6.10

TOTAL SHEETS:

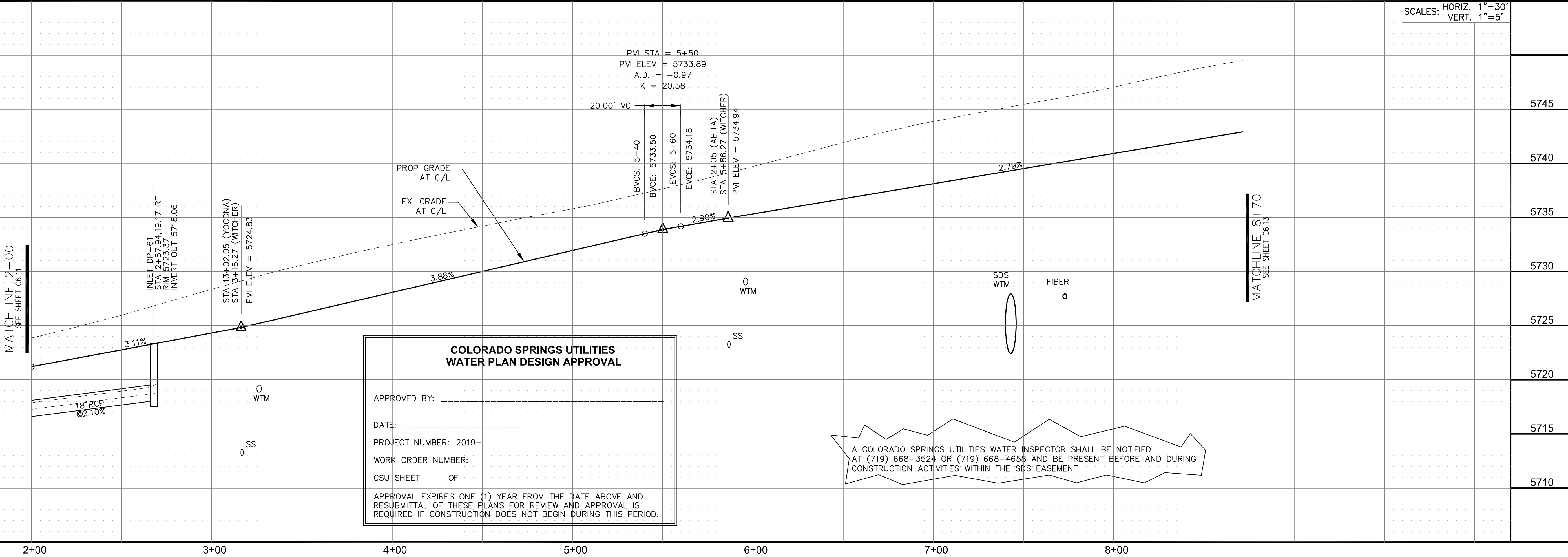
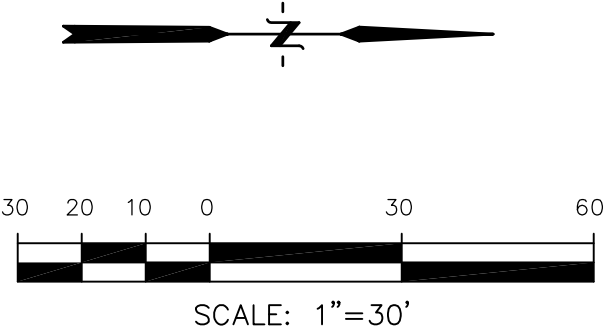
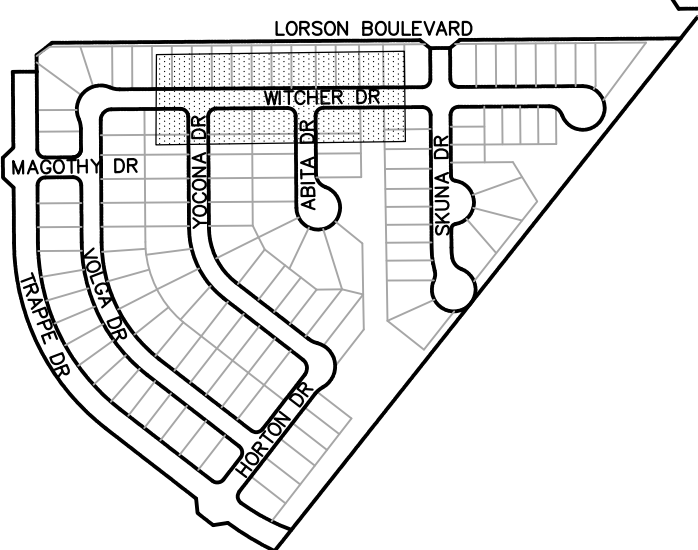
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CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C40	31.42'	20.00	90°00'00"
C41	31.42'	20.00	90°00'00"
C42	31.42'	20.00	90°00'00"
C43	31.42'	20.00	90°00'00"

- 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

WITCHER DR



**COLORADO SPRINGS UTILITIES
WATER PLAN DESIGN APPROVAL**

APPROVED BY: _____

DATE: _____

PROJECT NUMBER: 2019- _____

WORK ORDER NUMBER: _____

CSU SHEET ____ OF ____

APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE ABOVE AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS PERIOD.

A COLORADO SPRINGS UTILITIES WATER INSPECTOR SHALL BE NOTIFIED AT (719) 668-3524 OR (719) 668-4658 AND BE PRESENT BEFORE AND DURING CONSTRUCTION ACTIVITIES WITHIN THE SDS EASEMENT

CORE
ENGINEERING GROUP
15004 1ST AVENUE S.
BURNING WOOD, MO 65506
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg.com

DATE: _____

DESCRIPTION: _____

NO: _____

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

PROJECT:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

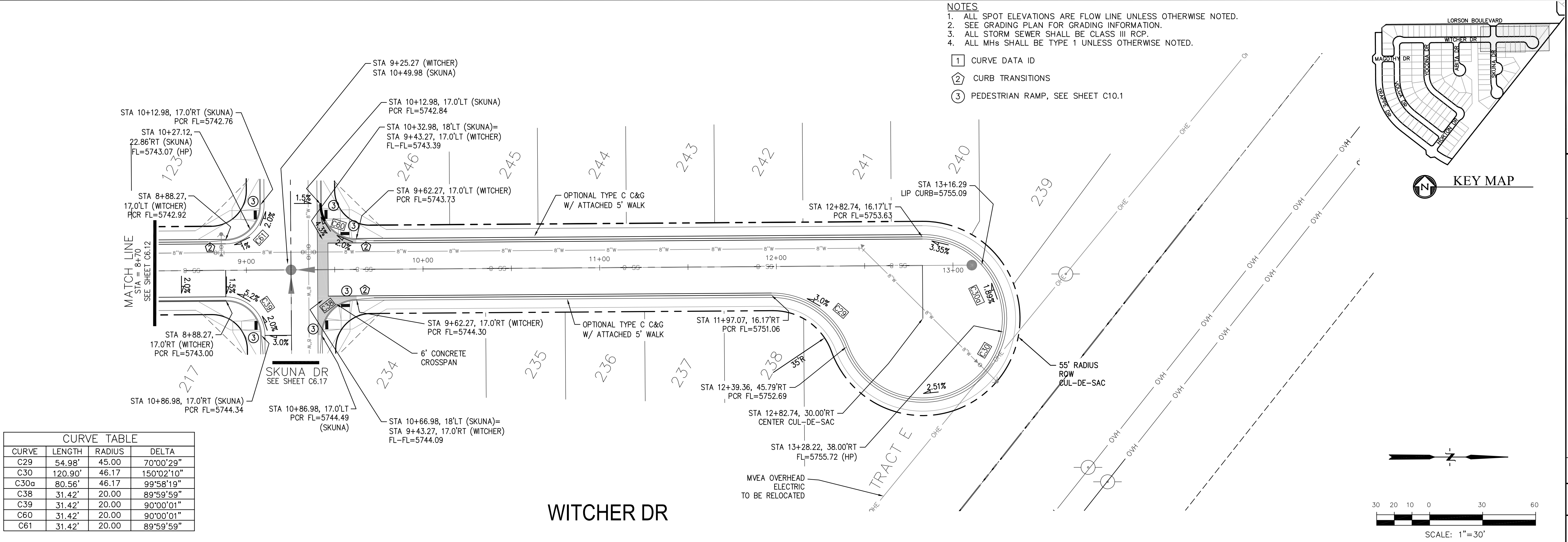
STREET/STORM
WITCHER DRIVE
STA 2+00 TO 8+70

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C6.12

TOTAL SHEETS: 40



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
PHONE: 636.251.1100
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:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

STREET/STORM
WITCHER DRIVE
STA 8+70 TO 14+00

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C6.13

TOTAL SHEETS: 40

Profile view of Witcher Drive showing stationing, elevations, and proposed improvements. The drawing includes a match line at STA 8+70, a 6' concrete crossspan, and various curve data points. A north arrow and a scale bar (1"=30') are also provided.

WITCHER DR

KEY MAP

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.

CURVE DATA ID

CURB TRANSITIONS

PEDESTRIAN RAMP, SEE SHEET C10.1

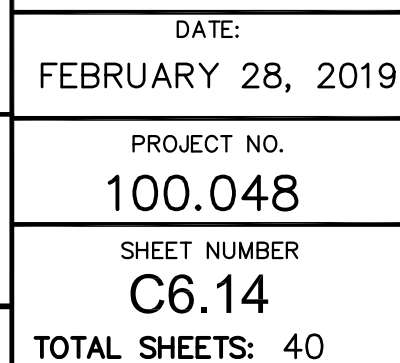
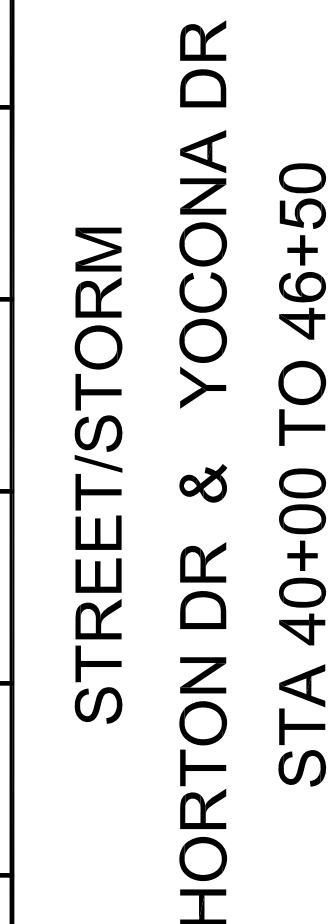
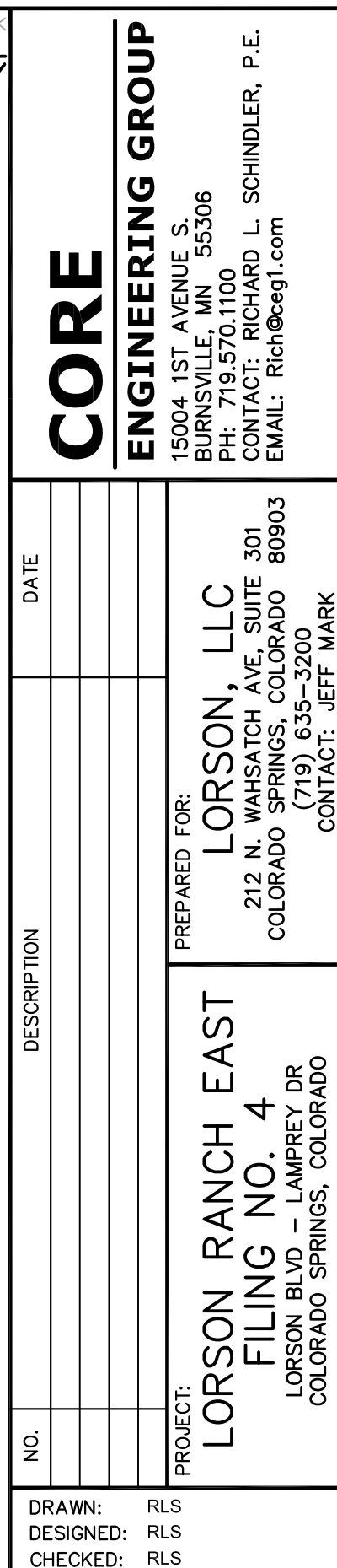
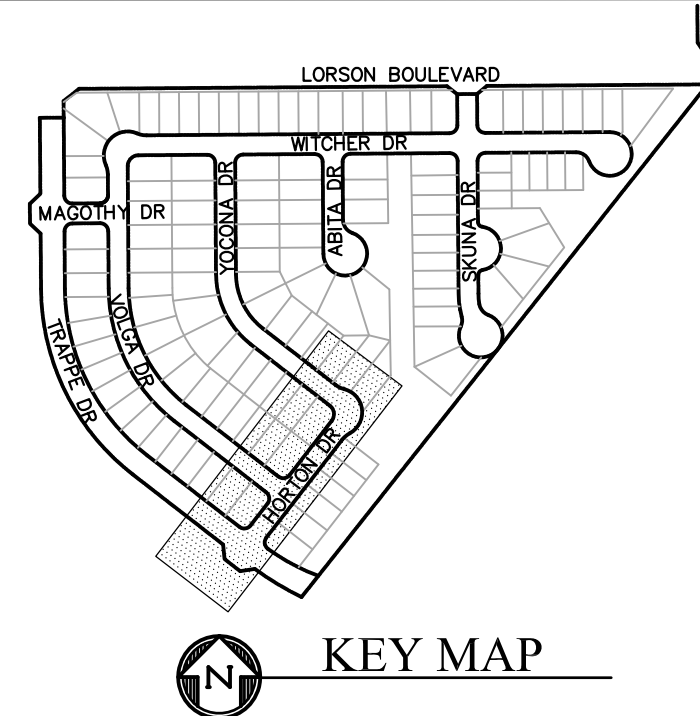
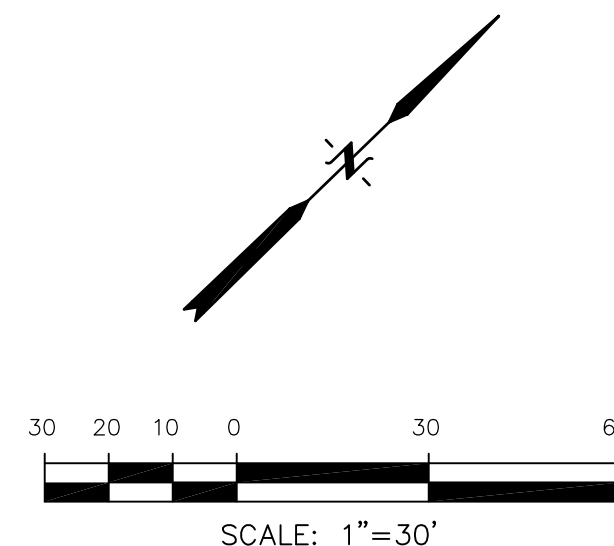
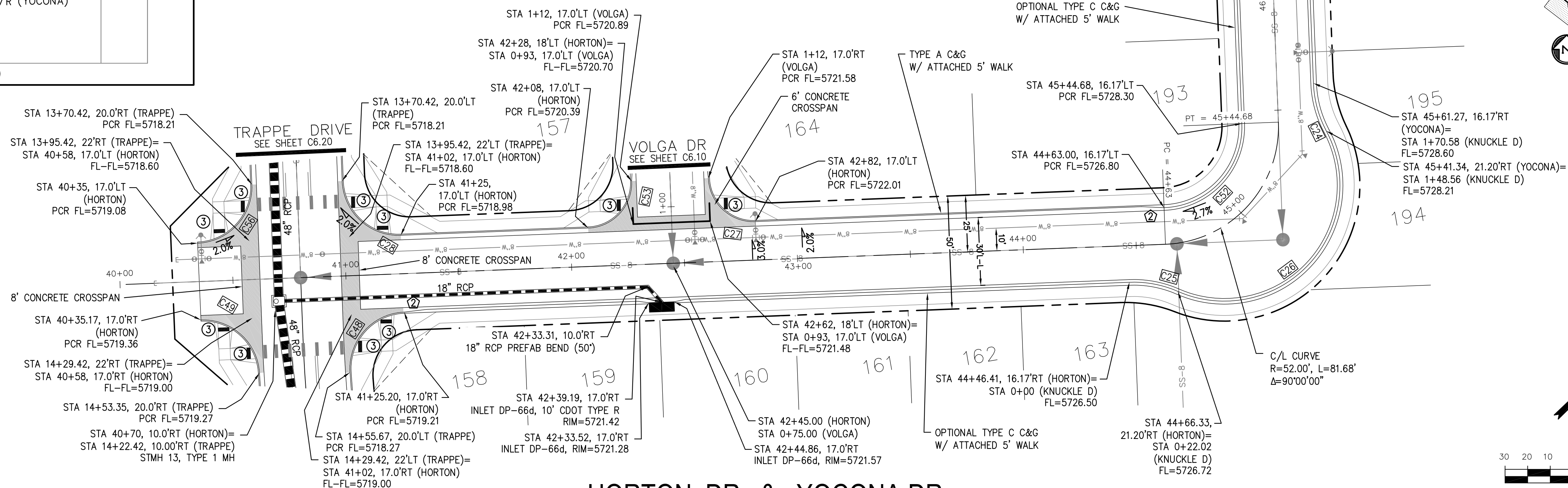
CURVE TABLE

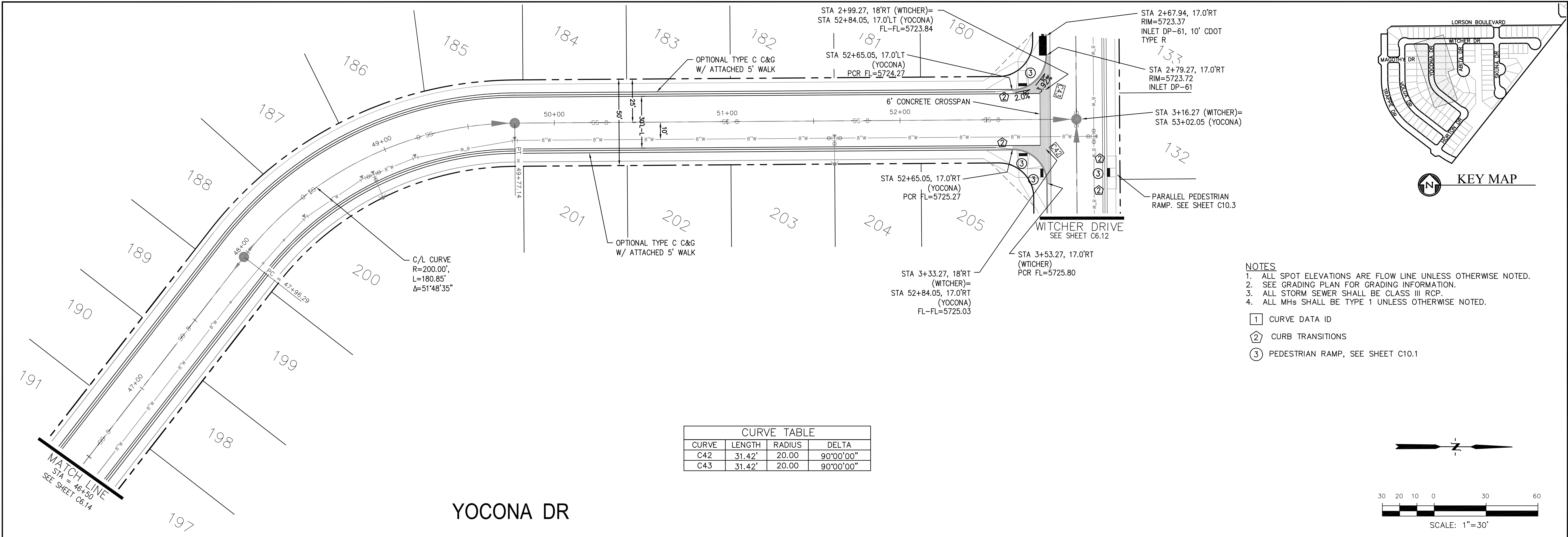
CURVE	LENGTH	RADIUS	DELTA
C29	54.98'	45.00	70°00'29"
C30	120.90'	46.17	150°02'10"
C30a	80.56'	46.17	99°58'19"
C38	31.42'	20.00	89°59'59"
C39	31.42'	20.00	90°00'01"
C60	31.42'	20.00	90°00'01"
C61	31.42'	20.00	89°59'59"



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C24	22.02'	48.83	25°50'31"
C25	22.02'	48.83	25°50'31"
C26	126.54'	51.17	141°41'02"
C27	31.42'	20.00	90°00'00"
C28	39.27'	25.00	90°00'00"
C48	39.96'	25.00	91°35'27"
C49	38.68'	25.00	88°38'38"
C52	56.28'	35.83	90°00'00"
C53	31.42'	20.00	90°00'00"
C56	39.27'	25.00	90°00'00"

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

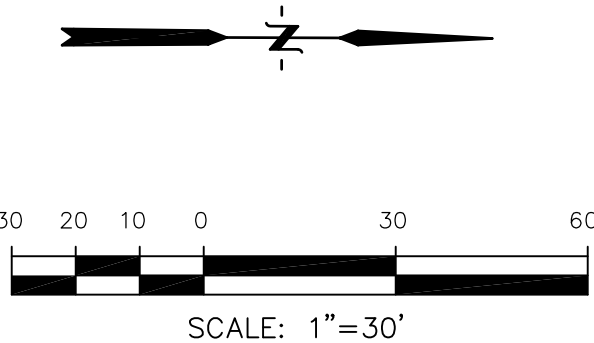




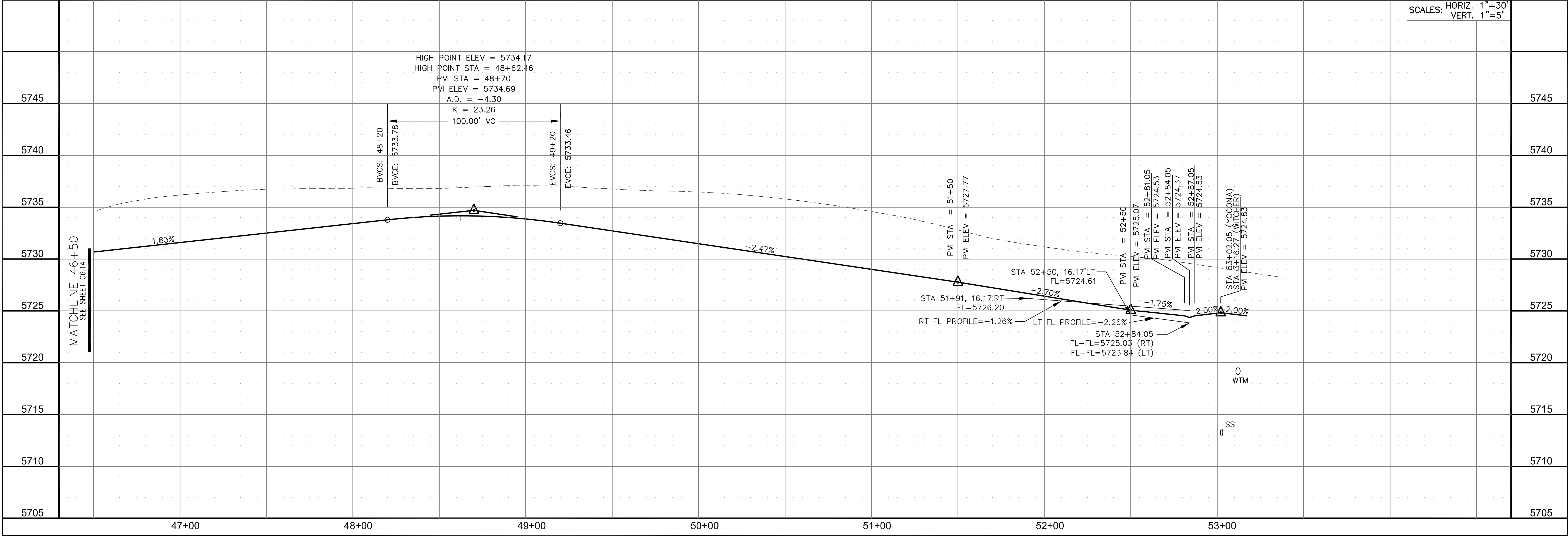
CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C42	31.42'	20.00	90°00'00"
C43	31.42'	20.00	90°00'00"

- NOTES
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 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



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



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg.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:

LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

DRAWN:

RLS

DESIGNED:

RLS

CHECKED:

RLS

STREET/STORM

YOCONA DRIVE

STA 46+50 TO 53+02

DATE:

FEBRUARY 28, 2019

PROJECT NO.

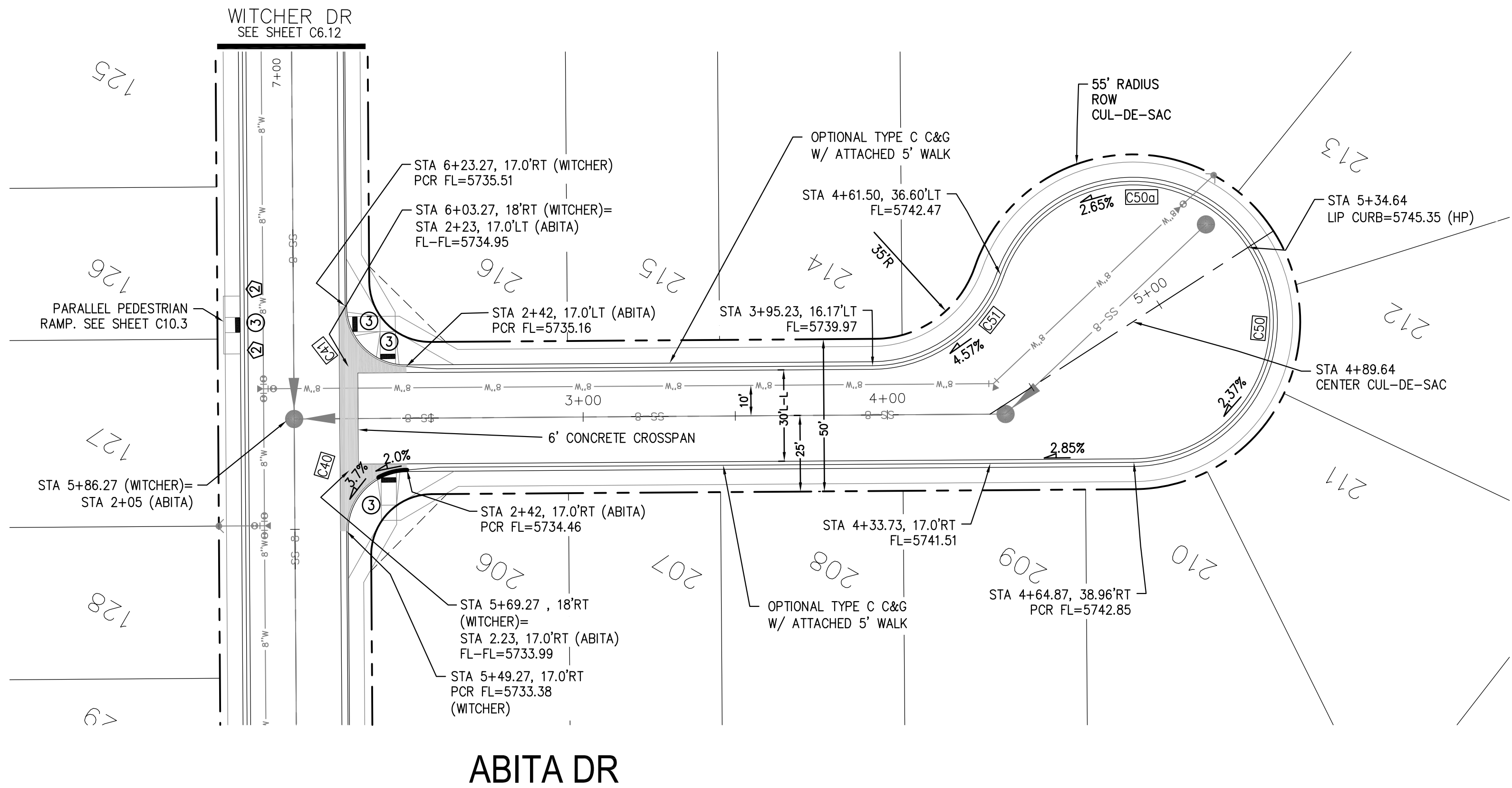
100.048

SHEET NUMBER

C6.15

TOTAL SHEETS:

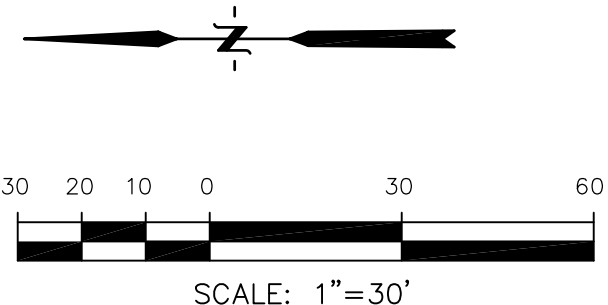
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- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED.
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHS SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

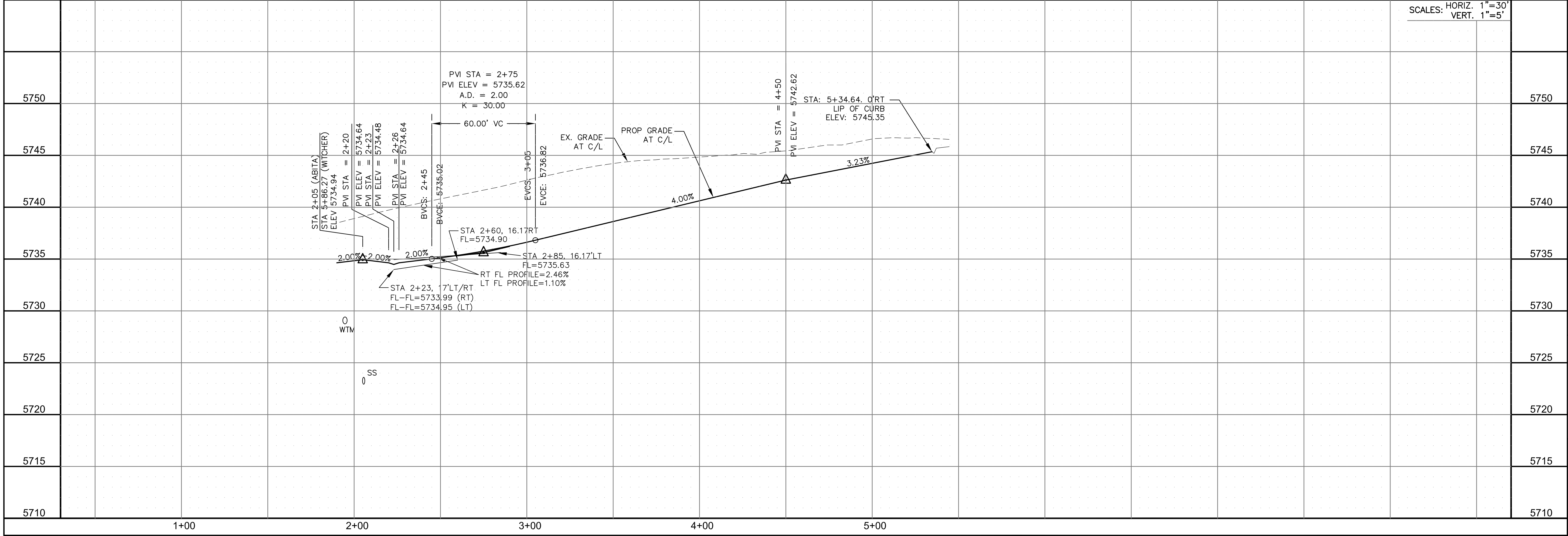
- 1 CURVE DATA ID
- 2 CURB TRANSITIONS
- 3 PEDESTRIAN RAMP, SEE SHEET C10.1

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C40	31.42'	20.00	90°00'00"
C41	31.42'	20.00	90°00'00"
C50	98.67'	46.17	122°27'11"
C50a	102.79'	46.17	127°33'18"
C51	54.98'	45.00	70°00'29"



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

ABITA DR



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 65506
PHONE: 636.251.1100
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
CONTACT: JEFF MARK

PROJECT:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

STREET/STORM

ABITA DRIVE

STA 2+00 TO 5+44

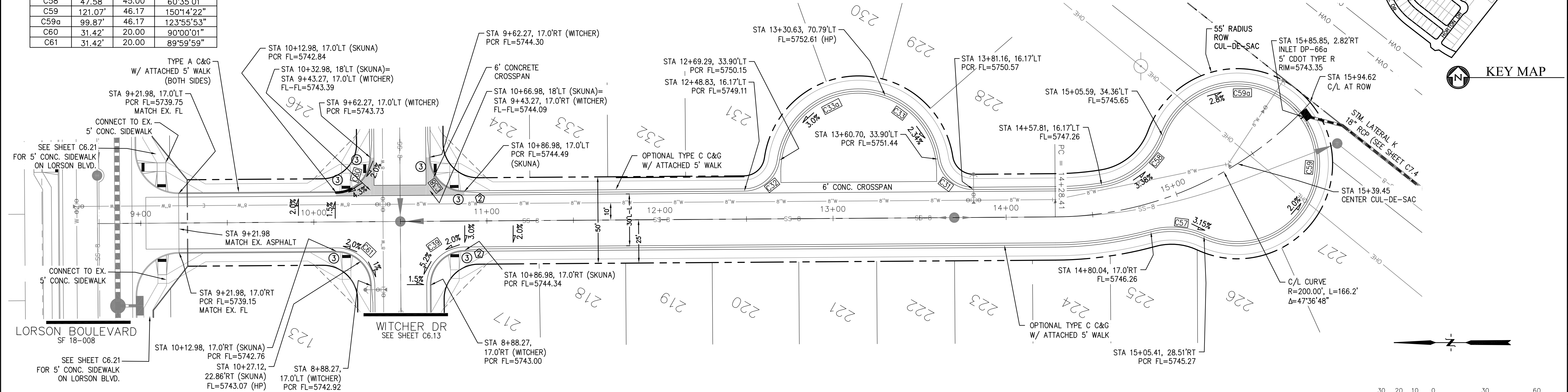
DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

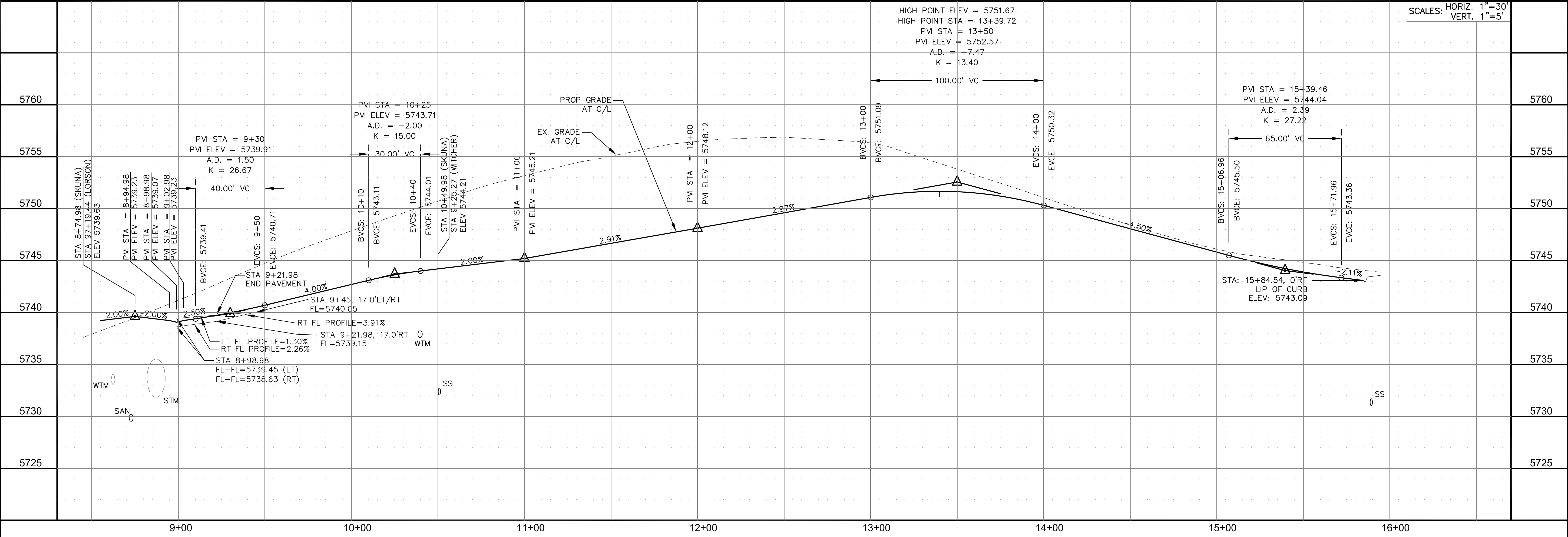
SHEET NUMBER
C6.16

TOTAL SHEETS: 40

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C31	29.52'	20.67	81°50'08"
C32	29.52'	20.67	81°50'08"
C33	49.99'	46.17	62°02'20"
C33a	81.90'	46.17	101°37'55"
C38	31.42'	20.00	89°59'59"
C39	31.42'	20.00	90°00'01"
C57	31.38'	45.00	39°57'29"
C58	47.58'	45.00	60°35'01"
C59	121.07'	46.17	150°14'22"
C59a	99.87'	46.17	123°55'53"
C60	31.42'	20.00	90°00'01"
C61	31.42'	20.00	89°59'59"

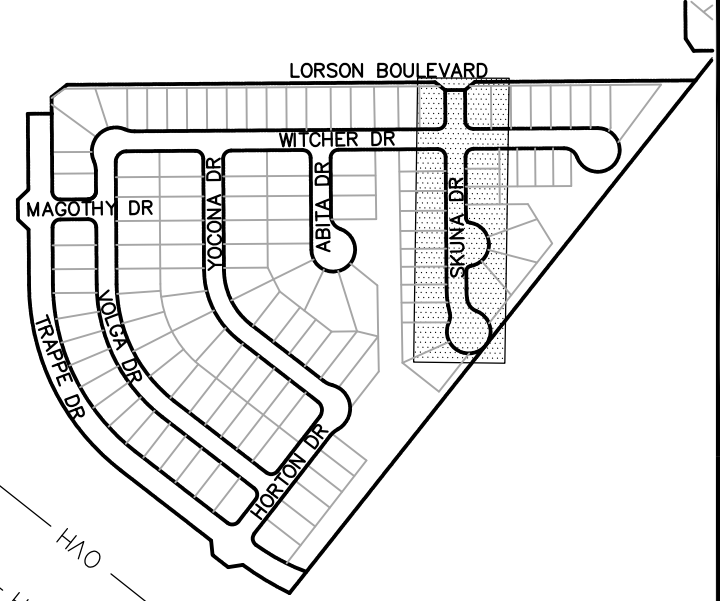


SKUNA DR



- 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



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 63306
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE:

DESCRIPTION:

NO.:

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PROJECT FOR:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

DATE:

FEBRUARY 28, 2019

PROJECT NO.
100.048

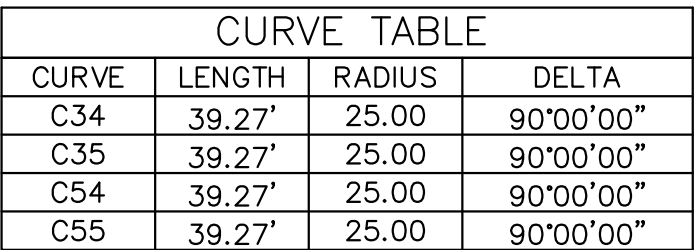
SHEET NUMBER
C6.17

TOTAL SHEETS: 40

STREET/STORM

SKUNA DRIVE

STA 8+74 TO 15+88



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



DATE:
FEBRUARY 28, 2019

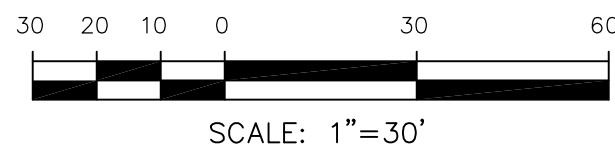
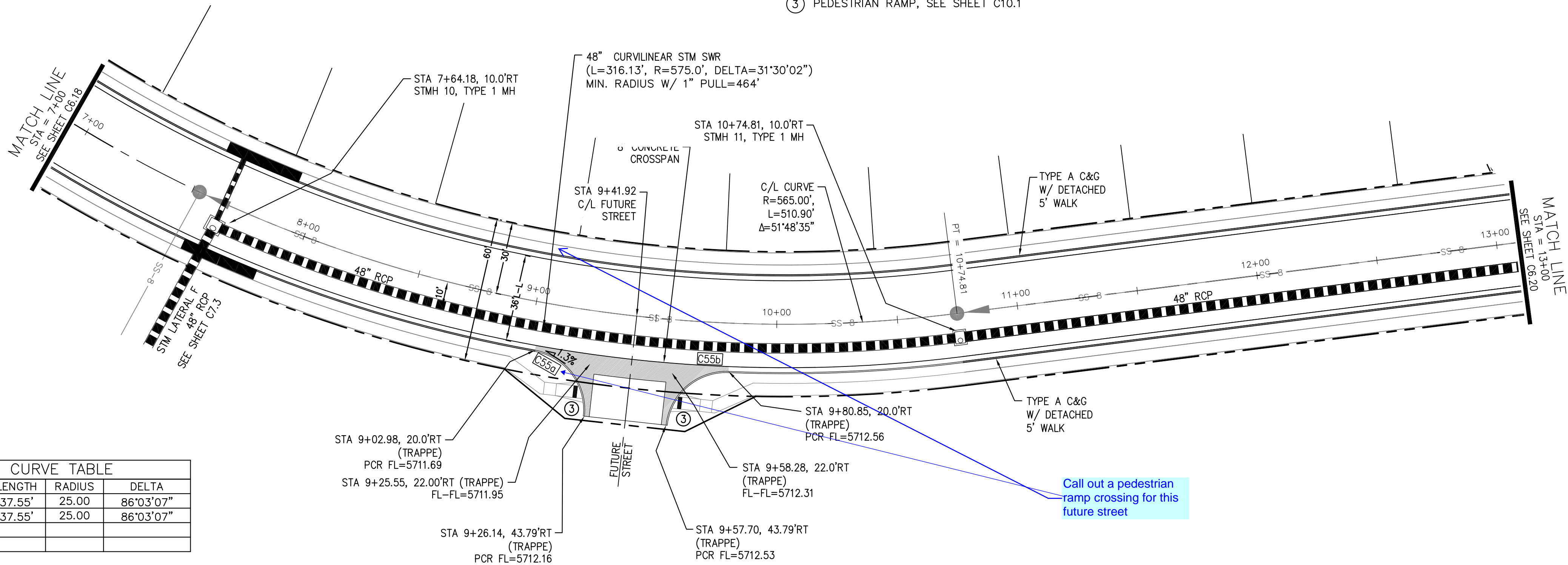
PROJECT NO.
100.048

SHEET NUMBER
C6.18

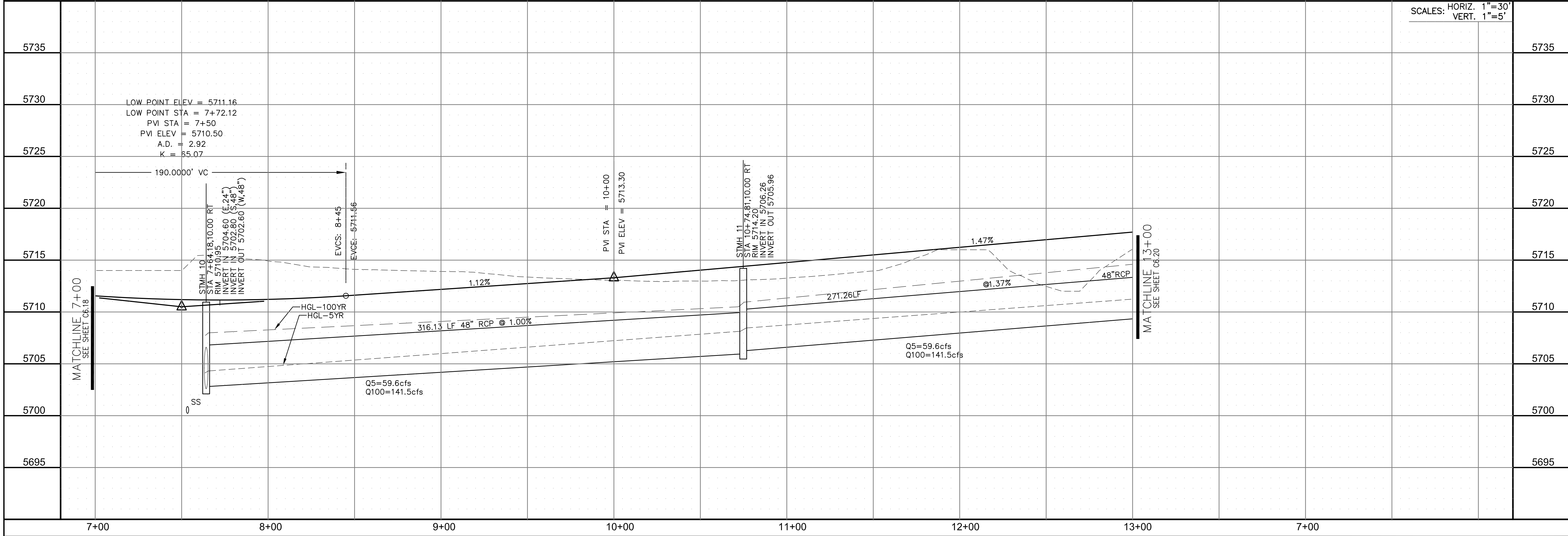
TOTAL SHEETS: 40

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C55a	37.55'	25.00	86°03'07"
C55b	37.55'	25.00	86°03'07"

- 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



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



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

STREET/STORM
TRAPPE DRIVE
STA 7+00 TO 13+00

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

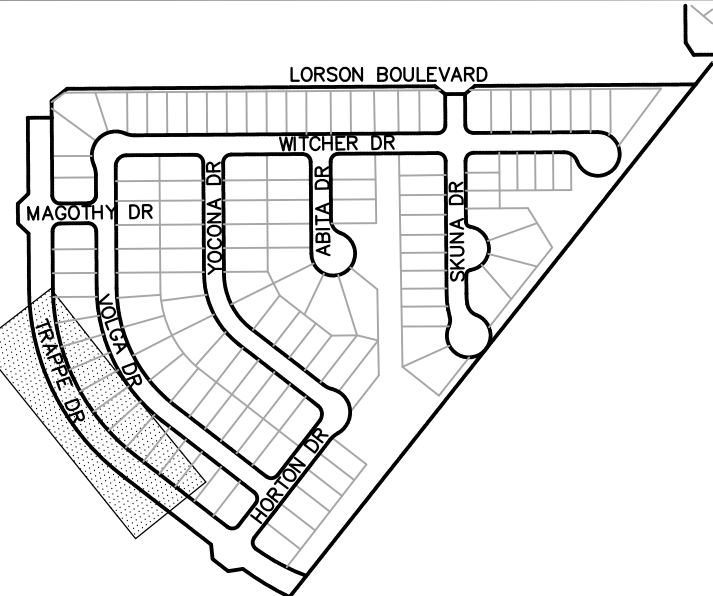
SHEET NUMBER
C6.19

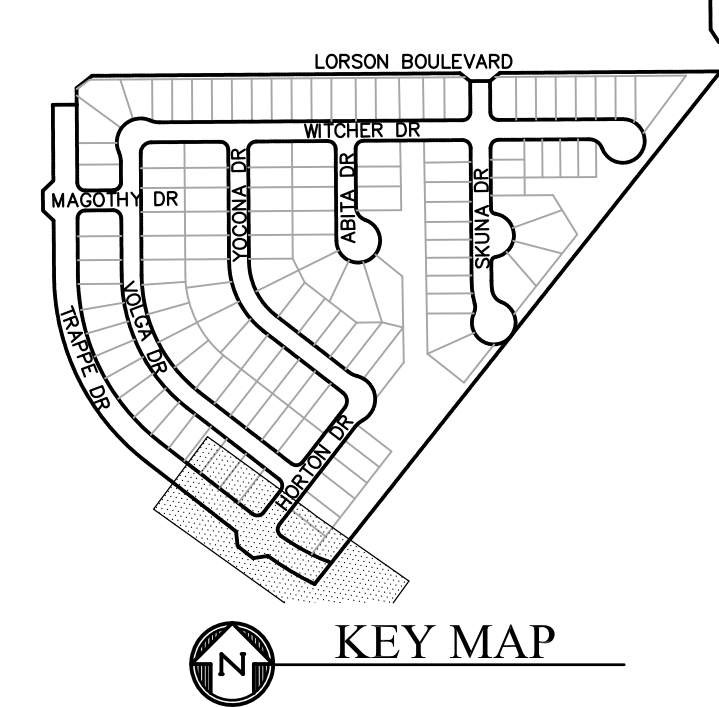
TOTAL SHEETS: 40

PROJECT:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

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

CORE
ENGINEERING GROUP
15004 1ST AVENUE S.
BURNING WOOD, MO 65506
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

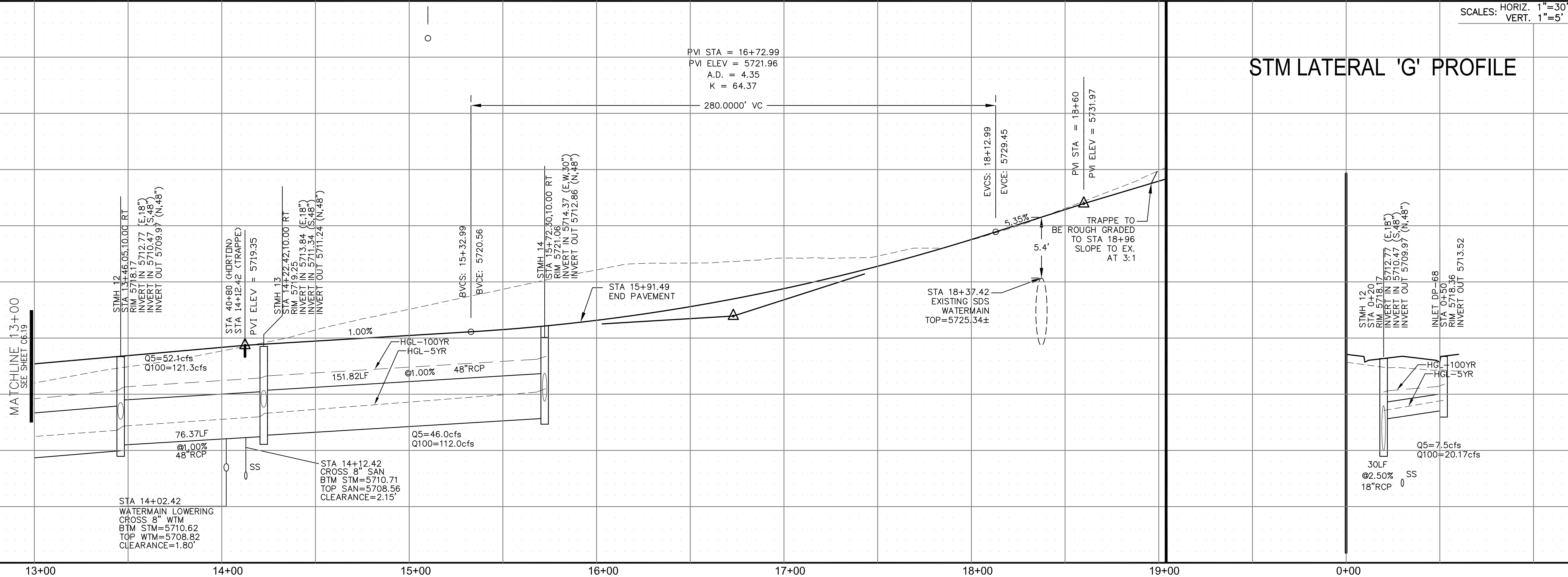
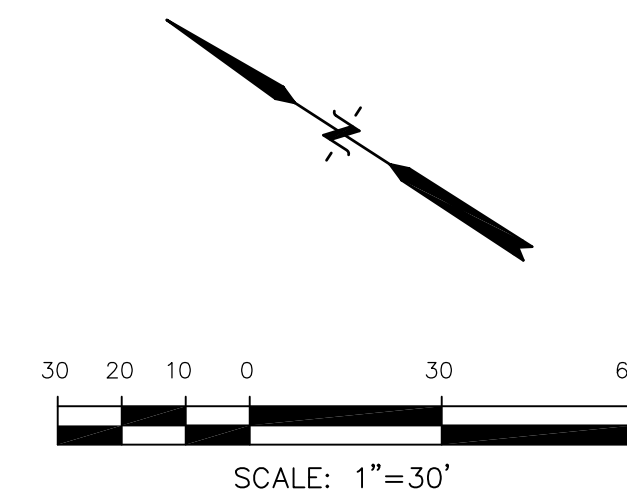




- NOTES
1. ALL SPOT ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE NOTED
 2. SEE GRADING PLAN FOR GRADING INFORMATION.
 3. ALL STORM SEWER SHALL BE CLASS III RCP.
 4. ALL MHs SHALL BE TYPE 1 UNLESS OTHERWISE NOTED.

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

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C28	39.27'	25.00	90°00'00"
C48	39.96'	25.00	91°35'27"
C49	38.68'	25.00	88°38'38"
C56	39.27'	25.00	90°00'00"



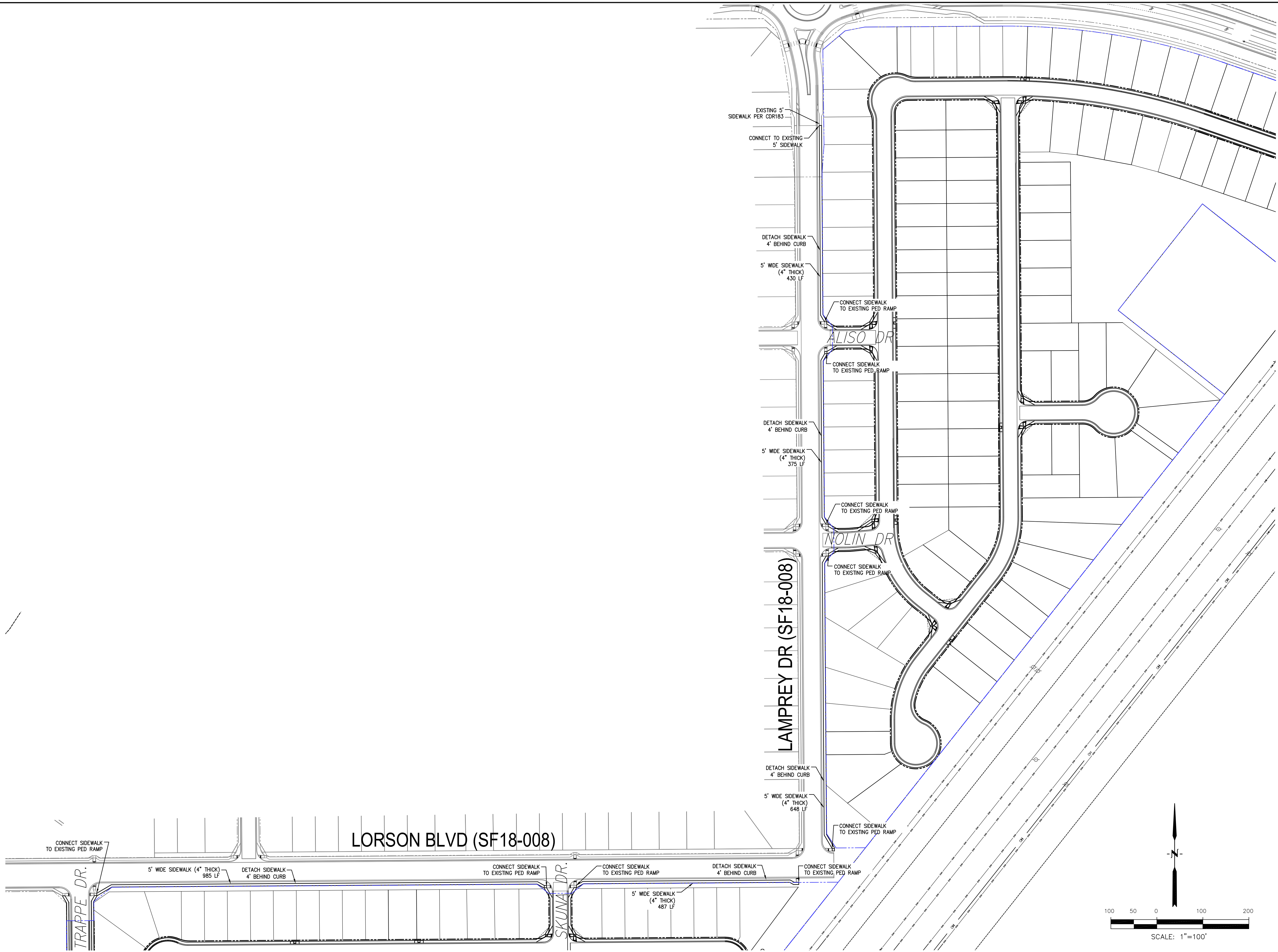
STM LATERAL 'G' PROFILE

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

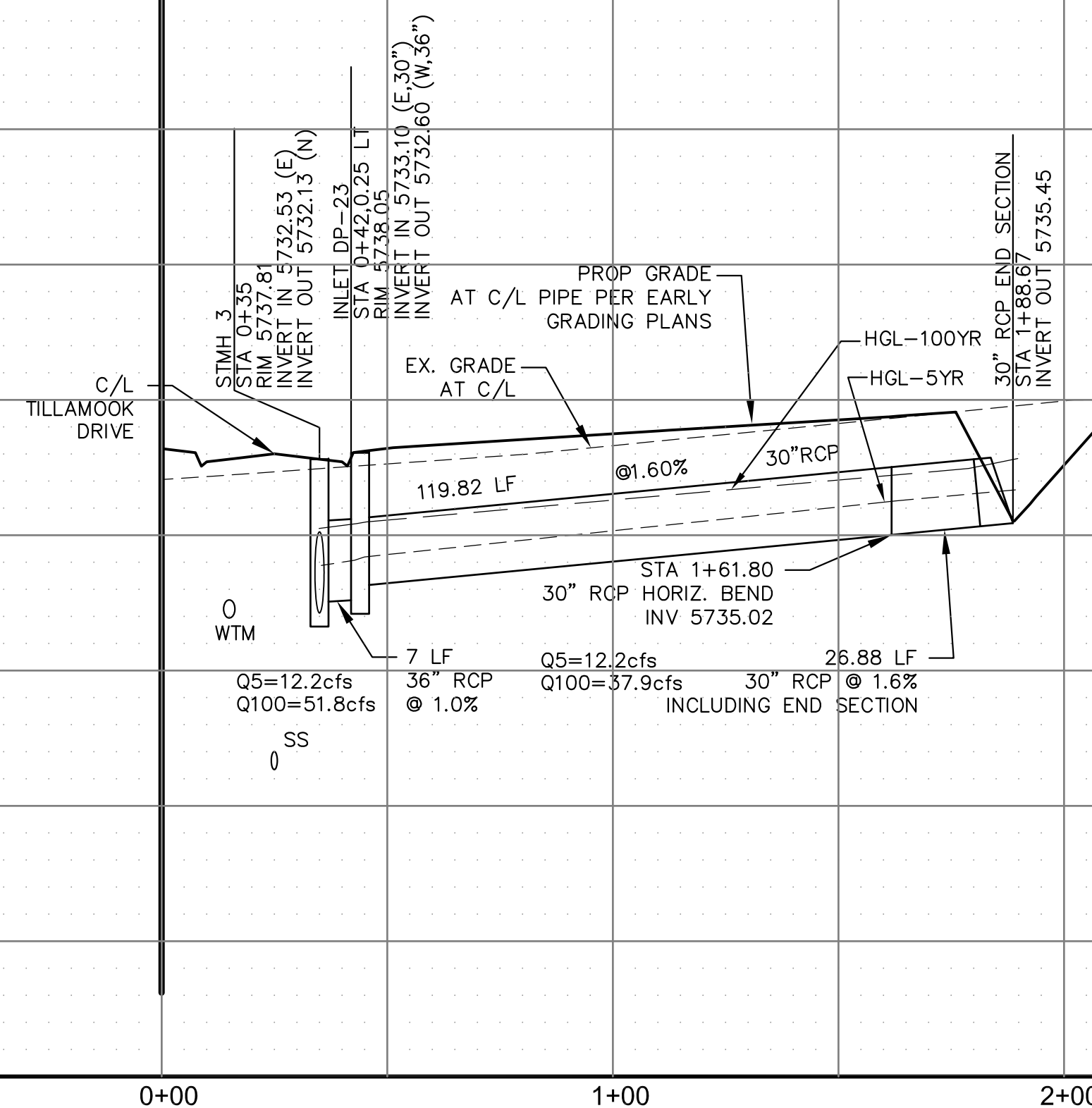
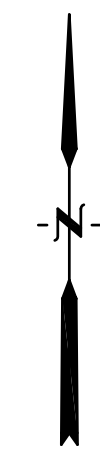
STREET/STORM
TRAPPE DRIVE
STA 13+00 TO 16+00

DRAWN: RLS		PROJECT: LORSON RANCH EAST		PREPARED FOR: LORSON, LLC		15004 1ST AVENUE S.		<h1>CORE</h1> <h2>ENGINEERING GROUP</h2> <p>BURNSVILLE, MN 55306 PH: 761.957.0000 FAX: 761.957.0000 EMAIL: Rich@ceag1.com</p>
DESIGNED: RLS		FILING NO. 4		212 N. WILSON CH. E. SUITE 301		BURNSVILLE, MN 55306		
CHECKED: RLS		LORSON BLVD - LAMPREY DR		COLORADO SPRINGS COLORADO 80903		PH: 761.957.0000		
		COLORADO SPRINGS, COLORADO		(719) 635-3200		FAX: 761.957.0000		
				CONTACT: JEFF MARK				

DATE:	FEBRUARY 28, 2019
PROJECT NO.	100.048
SHEET NUMBER	C6.20
TOTAL SHEETS:	40



CORE ENGINEERING GROUP 15004 1ST AVENUE S. BURNING WOOD, MO 63306 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg1.com	
NO.	DATE
DESCRIPTION	
PROJECT: LORSON RANCH EAST FILING NO. 4 LORSON BLVD - LAMPREY DR COLORADO SPRINGS, COLORADO	
PREPARED FOR: LORSON, LLC 212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF MARK	
DRAWN: RLS DESIGNED: RLS CHECKED: RLS	
LORSON RANCH EAST FILING NO. 4 LORSON BLVD/LAMPREY DR SIDEWALK PLAN	
DATE: FEBRUARY 28, 2019	
PROJECT NO. 100.048	
SHEET NUMBER C6.21	
TOTAL SHEETS: 40	



Sanitary sewer layout plan showing two sections of a sewer line. The left section starts at STA 0+00 and ends at STA 2+18.87. The right section starts at STA 0+00 and ends at STA 1+88.67. Both sections show a 30-inch RCP pipe with various manholes, inlets, and street crossings. The plan includes elevations, flow rates, and structural details.

Section 1 (Left):

- Station 0+00:** Inlet DP-25, STA 0+08.18, RIM 5734.92, INVERT OUT 5729.06. C/L ROCKCASTLE DRIVE.
- Station 0+15.33:** STMH 1, STA 0+15.33, RIM 5734.69, INVERT IN 5728.88 (S.30'), INVERT IN 5728.28 (E.36'), INVERT OUT 5728.18 (N.36').
- Station 0+47.33:** Inlet DP-26, STA 0+47.33, RIM 5734.60, INVERT IN 5727.86 (36"), INVERT OUT 5727.36 (42").
- Station 1+31.04:** STA 1+31.04, CONNECT TO EX. 42" RCP, NV=5726.19.
- Station 2+18.87:** STA 2+18.87, CROSS 24" WTM, BTM STM=5724.56, TOP WTM=5722.80, CLEARANCE=1.76'.

Section 2 (Right):

- Station 0+00:** C/L TILLAMOOK DRIVE. STMH 3, STA 0+00.00, RIM 5737.81, INVERT IN 5732.53 (E), INVERT OUT 5732.13 (N).
- Station 0+23.25:** Inlet DP-23, STA 0+23.25, RIM 5738.05, INVERT IN 5733.10 (E.30"), INVERT OUT 5732.60 (W.36").
- Station 1+61.80:** STA 1+61.80, 30" RCP HORIZ. BEND INV 5735.02.
- Station 1+88.67:** STA 1+88.67, 30" RCP END SECTION, INVERT OUT 5735.45.

Flow and Structural Data:

- Flow Rates:** Q5=31.6cfs, Q100=78.3cfs; Q5=15.9cfs, Q100=31.7cfs; Q5=38.1cfs, Q100=92.6cfs; Q5=12.2cfs, Q100=51.8cfs; Q5=12.2cfs, Q100=37.9cfs.
- Grades:** 7.16 LF @ 2.50% 30" RCP; 83.72 LF @ 1.40% 42" RCP; 119.82 LF @ 1.60% 30" RCP; 7 LF @ 1.0% 36" RCP; 26.88 LF @ 1.6% 30" RCP.
- Structural Details:** HGL-100YR, HGL-5YR, EX. GRADE AT C/L, PROP. GRADE AT C/L PIPE PER EARLY GRADING PLANS.

Scale: HORIZ. 1"=30', VERT. 1"=5'

STREET/STORM
STORM LATERAL A & B

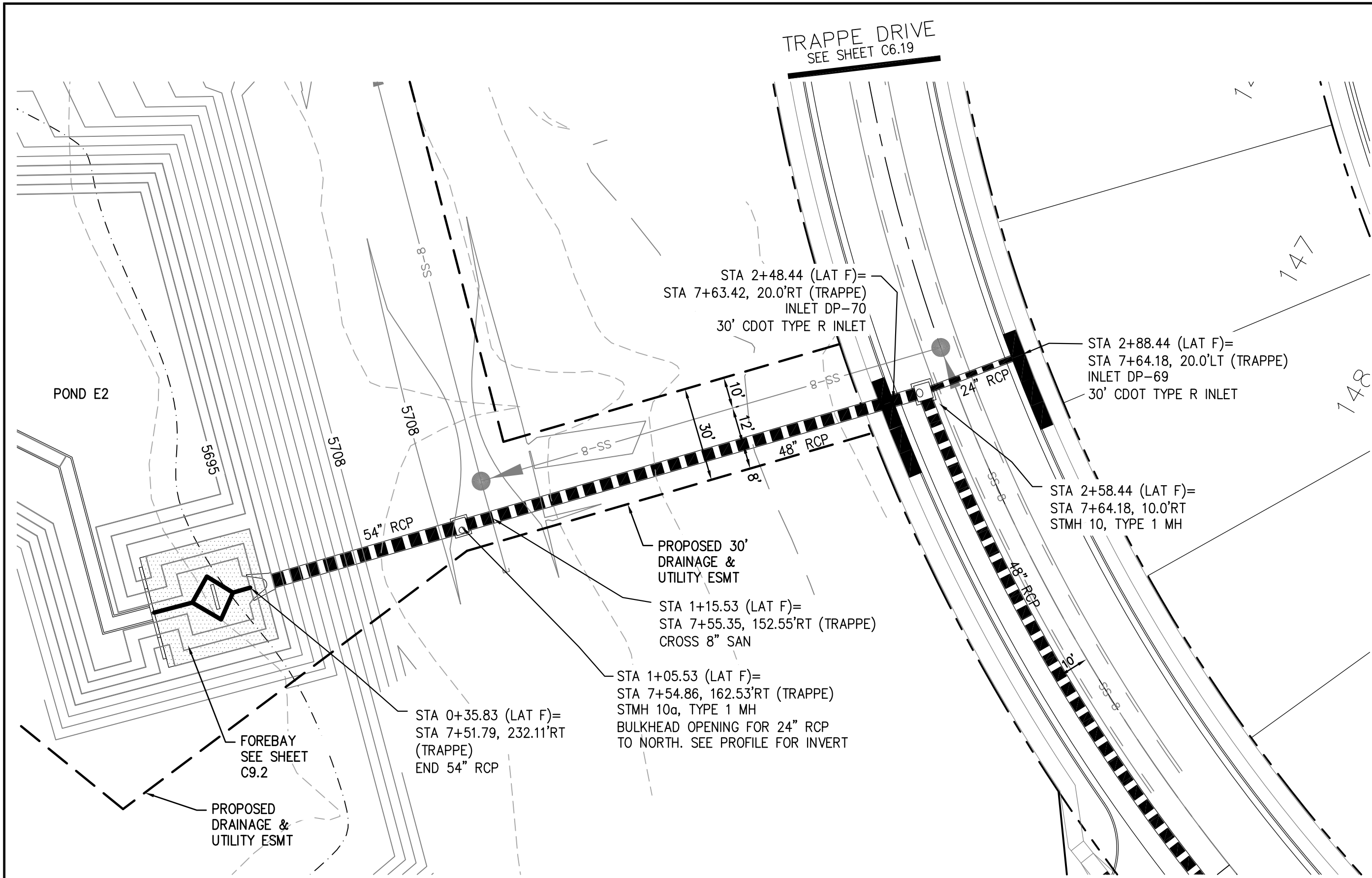
DATE:
FEBRUARY 28, 2019

PROJECT NO.	100.048
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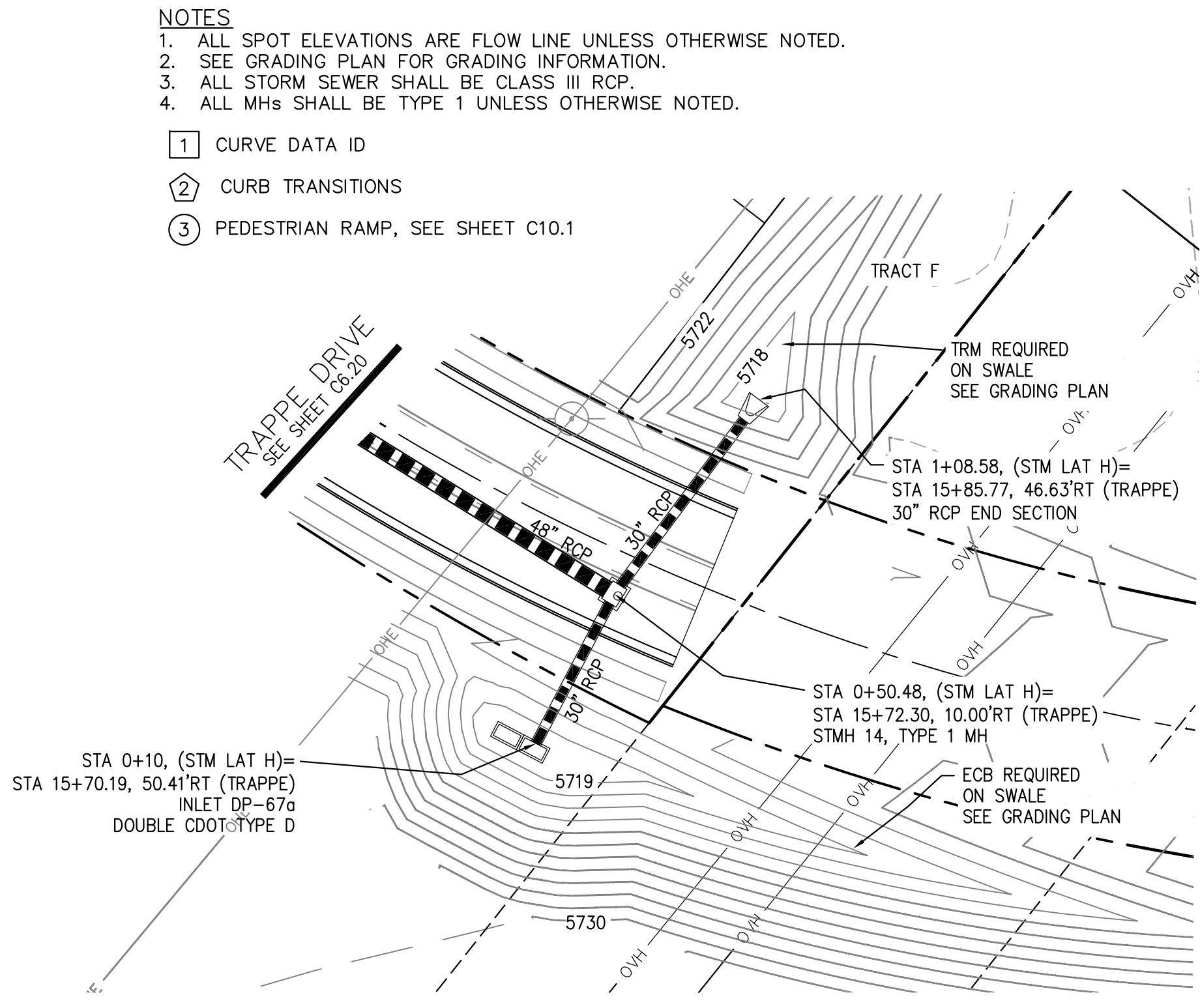
SHEET NUMBER
C7.1
TOTAL SHEETS: 40

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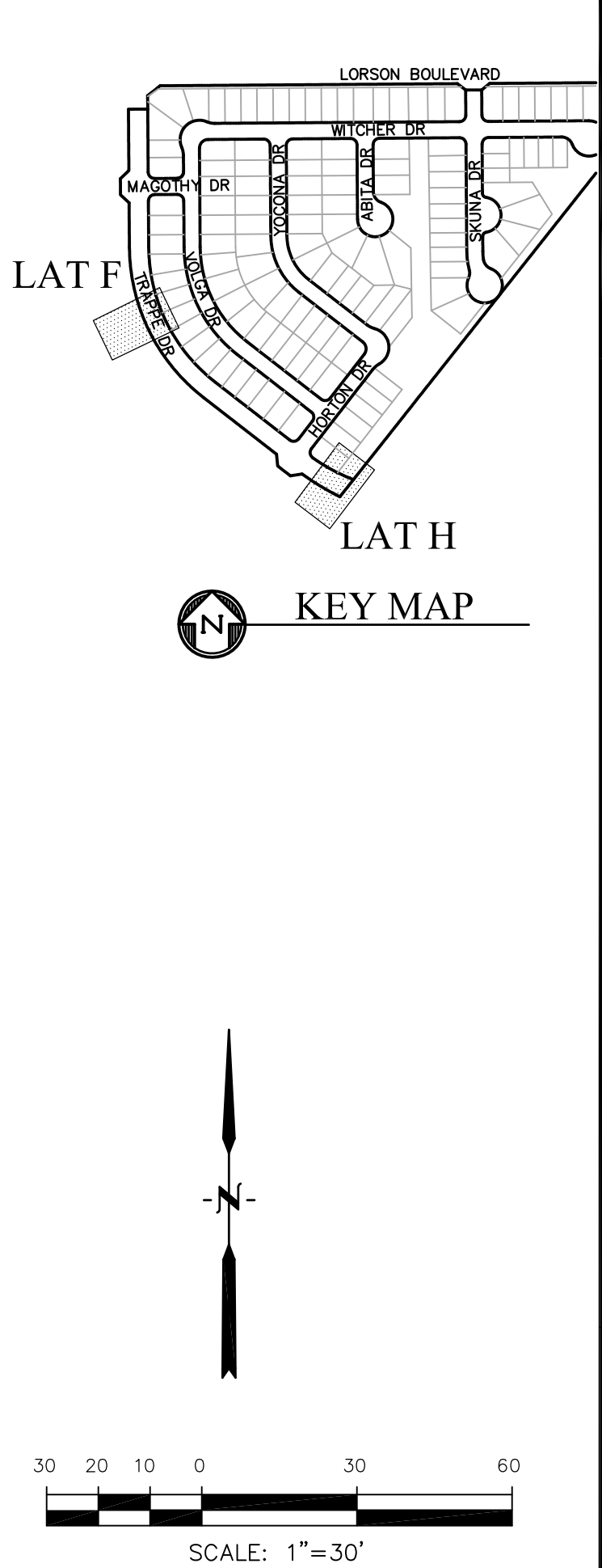
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DESIGNED: RLS
CHECKED: RLS



STORM LATERAL F

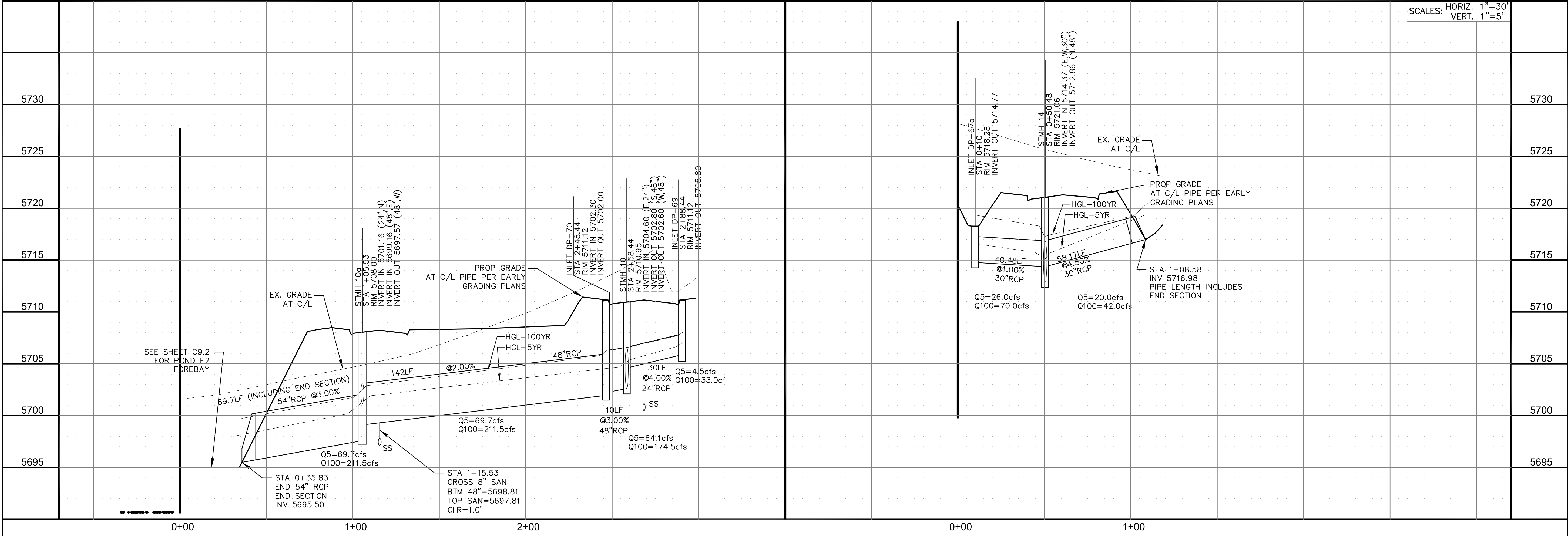


STORM LATERAL H



- 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



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
BURNING WOOD, MO 65506
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg.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:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

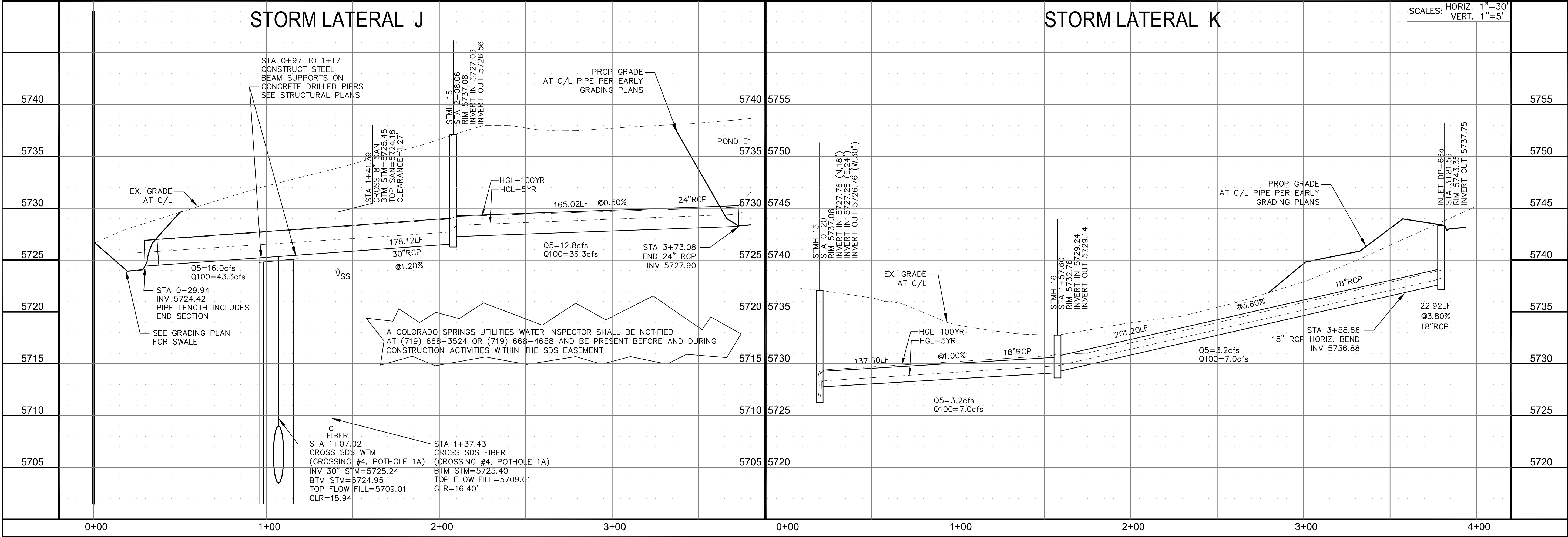
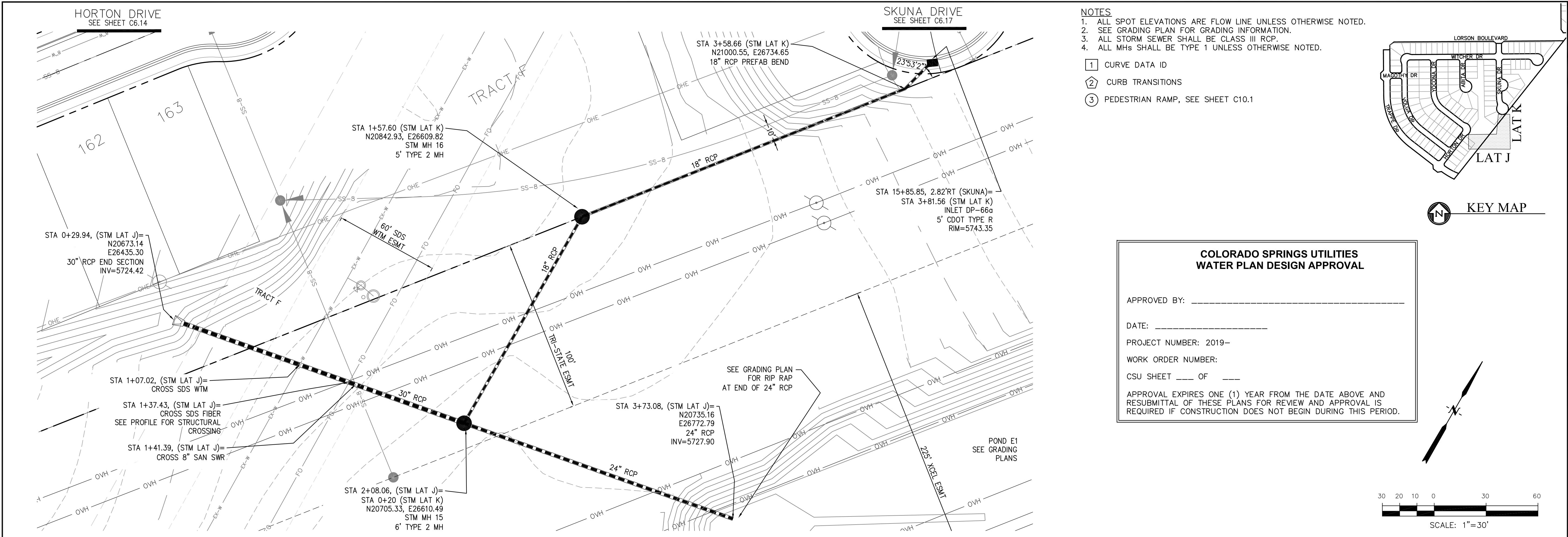
STREET/STORM
STORM LATERAL F & H

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C7.3

TOTAL SHEETS: 40



CORE ENGINEERING GROUP
15004 1ST AVENUE S.
BURNING WOOD, CO 80903
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg.com

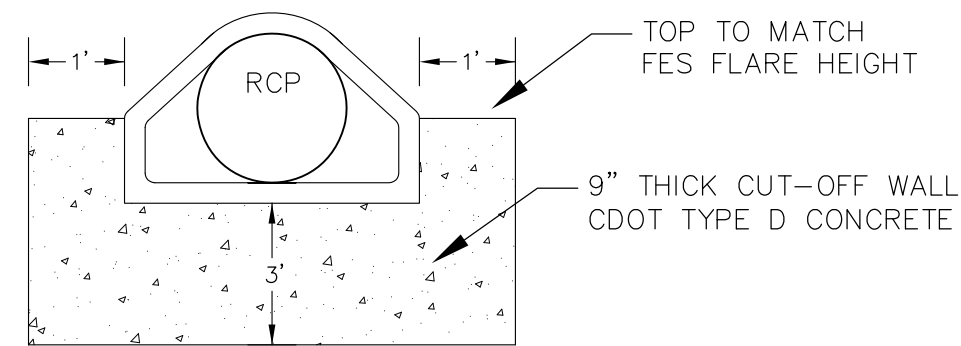
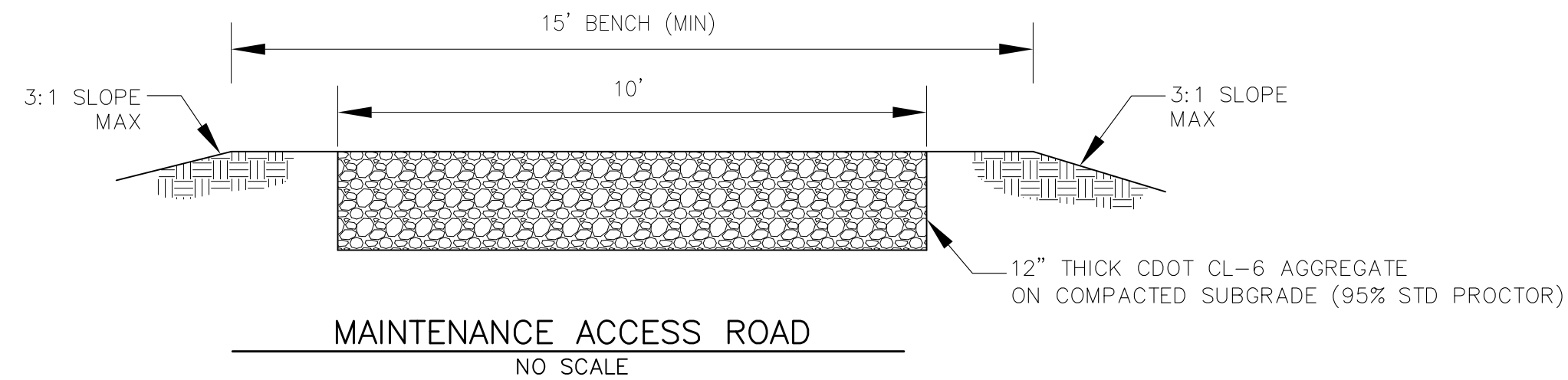
PROJECT: LORSON RANCH EAST
FILING NO. 4
LORSON BLVD - LAMPREY DR
COLORADO SPRINGS, COLORADO

DATE: FEBRUARY 28, 2019

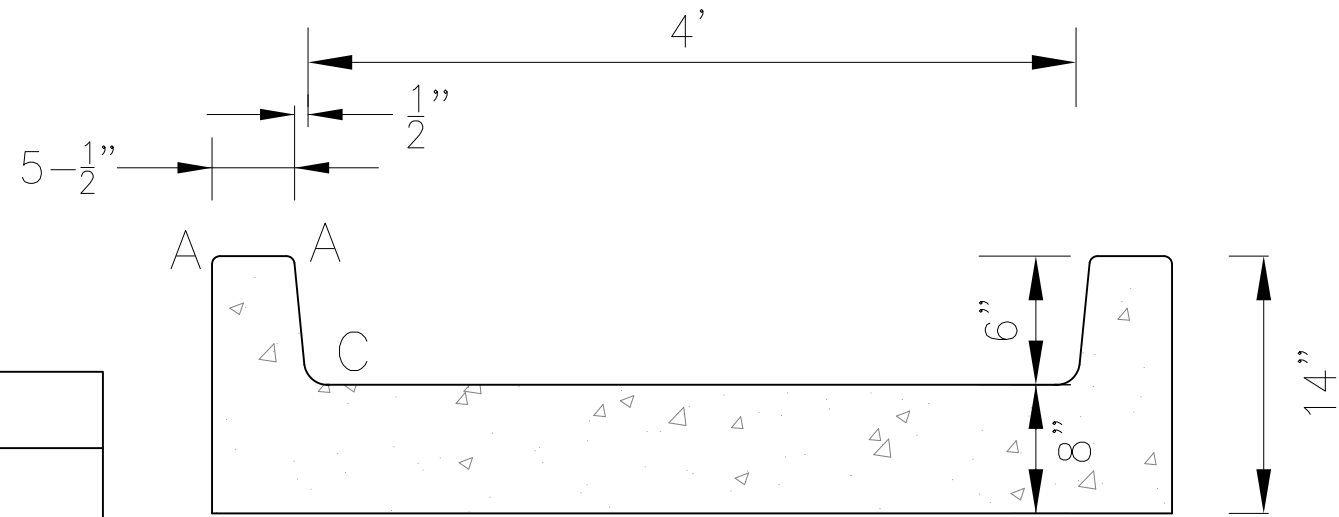
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SHEET NUMBER: C7.4

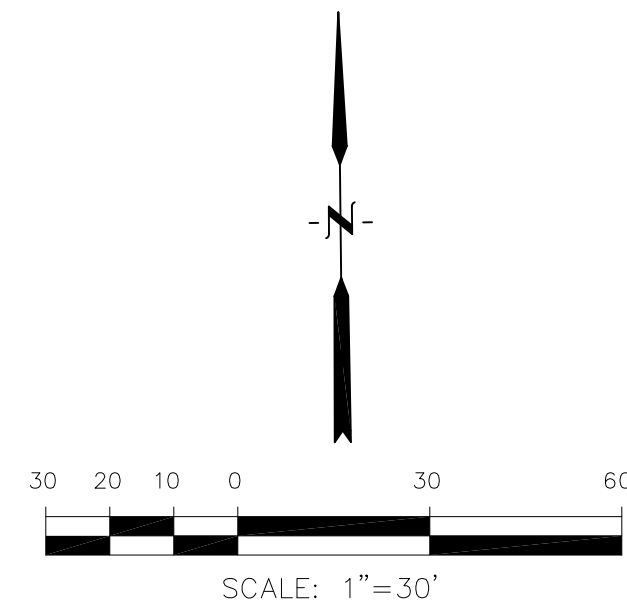
TOTAL SHEETS: 40



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

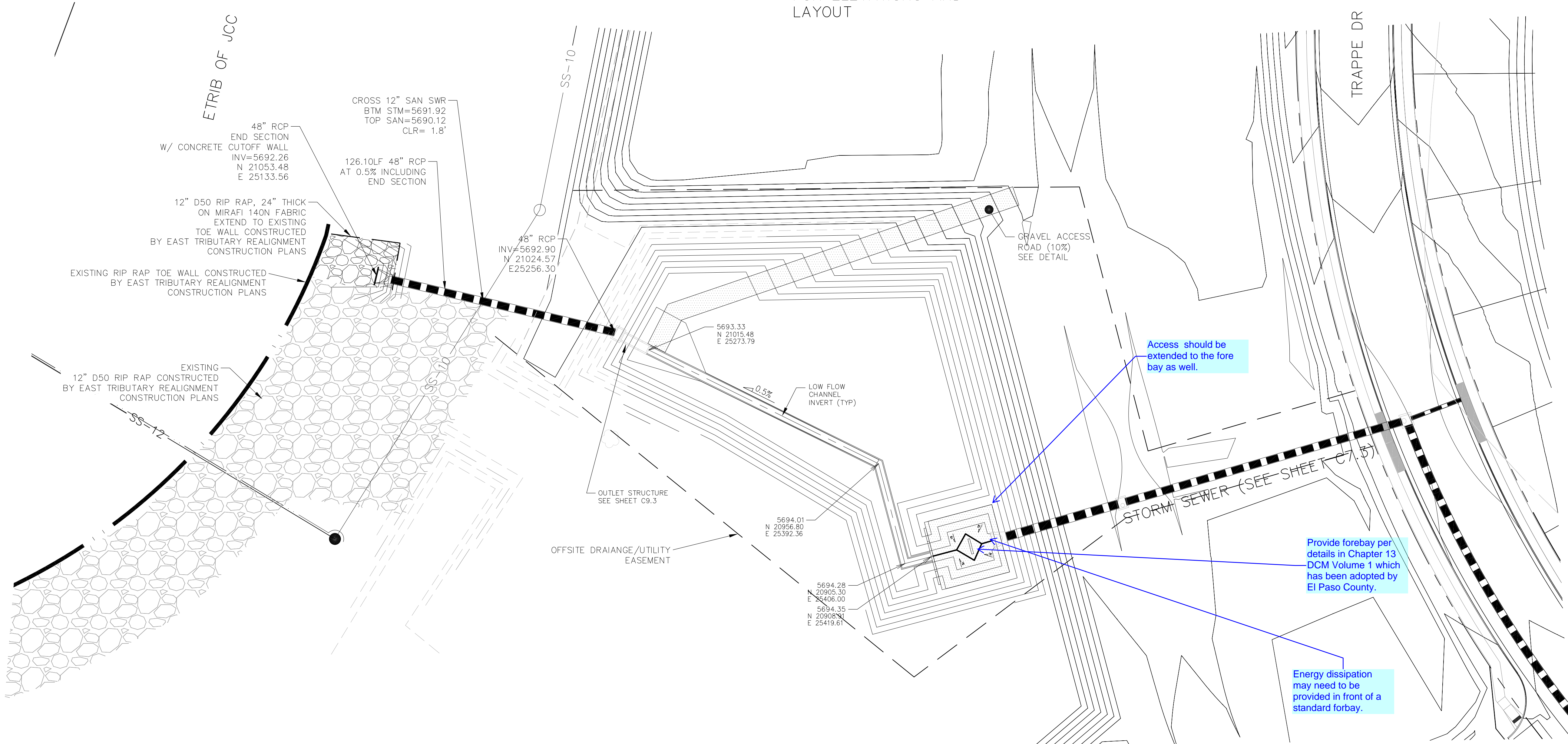


CONCRETE CUT-OFF WALL
N.T.S.



TRICKLE CHANNEL DETAIL
NO SCALE

POND E2
SEE FINAL GRADING PLANS
FOR ELEVATIONS AND
LAYOUT



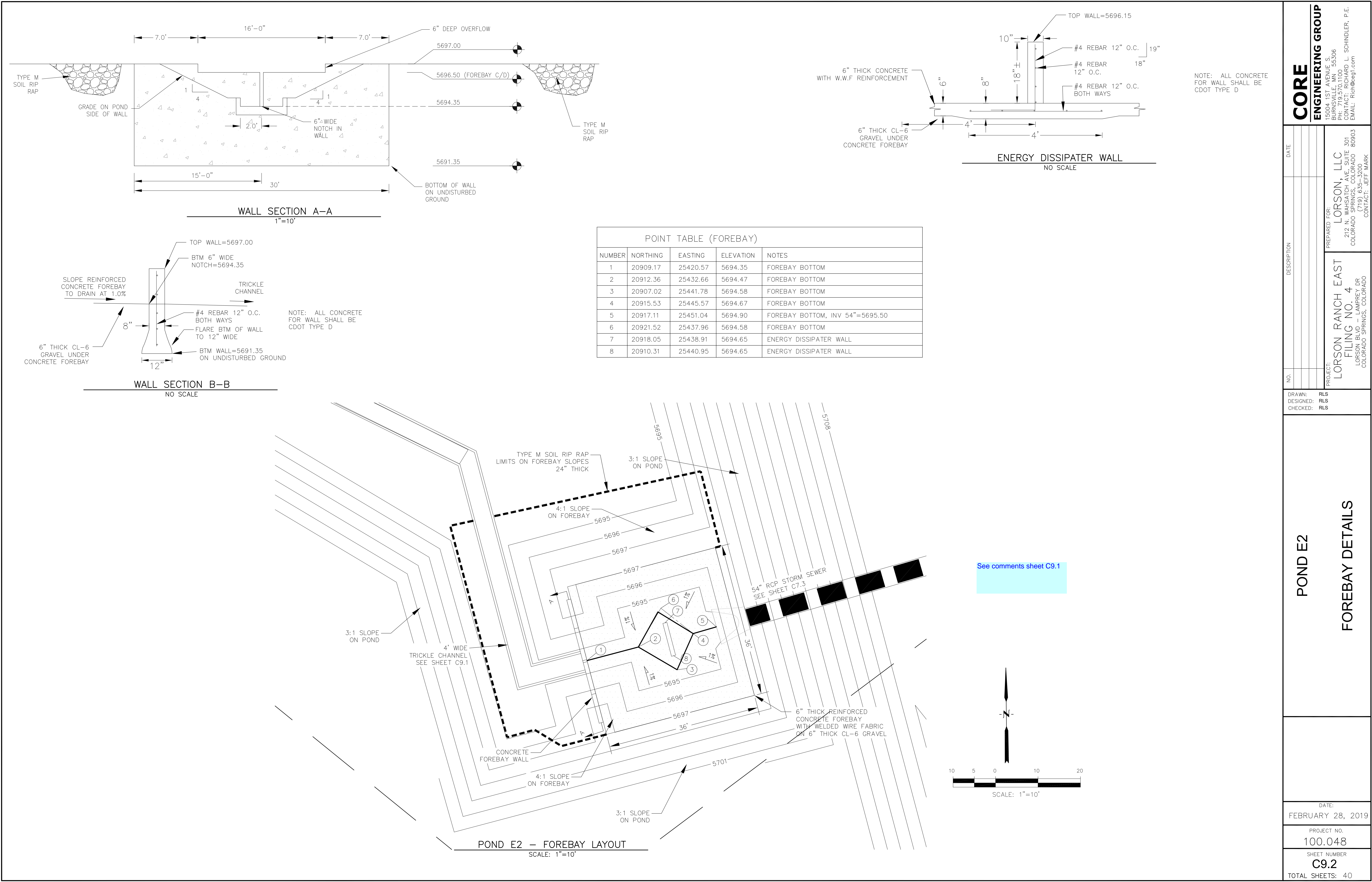
**POND E2
POND E2 OUTFALL AND
TRICKLE CHANNEL**

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C9.1

TOTAL SHEETS: 40



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.
DENVER, CO 80202
PHONE: 303.750.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

DATE

DESCRIPTION

NO.

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

DATE:
FEBRUARY 28, 2019

PROJECT NO.
100.048

SHEET NUMBER
C9.2

TOTAL SHEETS: 40

PROJECT:
LORSON RANCH EAST
FILING NO. 4
LORSON BLVD. — LAMPREY DR
COLORADO SPRINGS, COLORADO 80903

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



Three diagrams of rectangular reinforced concrete slabs are shown, each with a height of 4' - 4".

- Slab 1 (Left):** Dimensions are 3' - 7.5" wide by 4' - 4" high. Reinforcement consists of horizontal bars. Label: $\frac{1}{2}" \times 2-\frac{1}{2}"$ BAR, 2" O.C., ALL WELDS $\frac{3}{4}"$ FILLETS.
- Slab 2 (Middle):** Dimensions are 3' - 7.8" wide by 4' - 4" high. Reinforcement consists of vertical bars. Label: $\frac{1}{2}" \times 2-\frac{1}{2}"$ BAR, 2" O.C., ALL WELDS $\frac{3}{4}"$ FILLETS.
- Slab 3 (Right):** Dimensions are 3' - 2" wide by 4' - 4" high. Reinforcement consists of vertical bars. Label: $\frac{1}{2}" \times 2-\frac{1}{2}"$ BAR, 2" O.C., ALL WELDS $\frac{3}{4}"$ FILLETS.

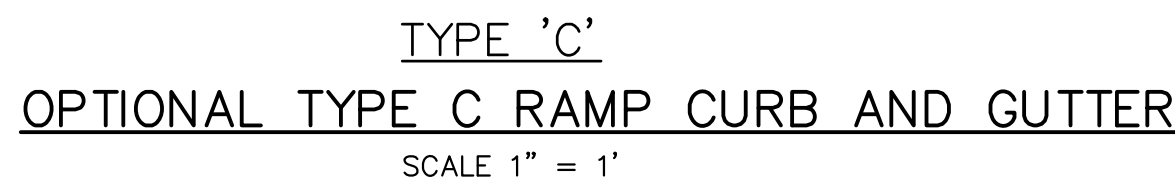
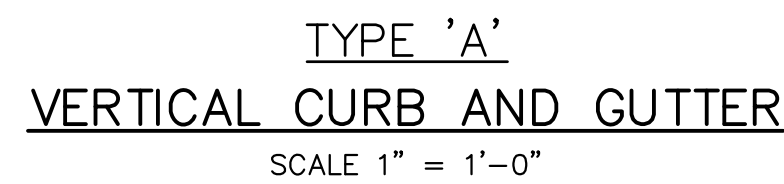
GRATE 1
NO SCALE

GRATES 2-
NO SCALE

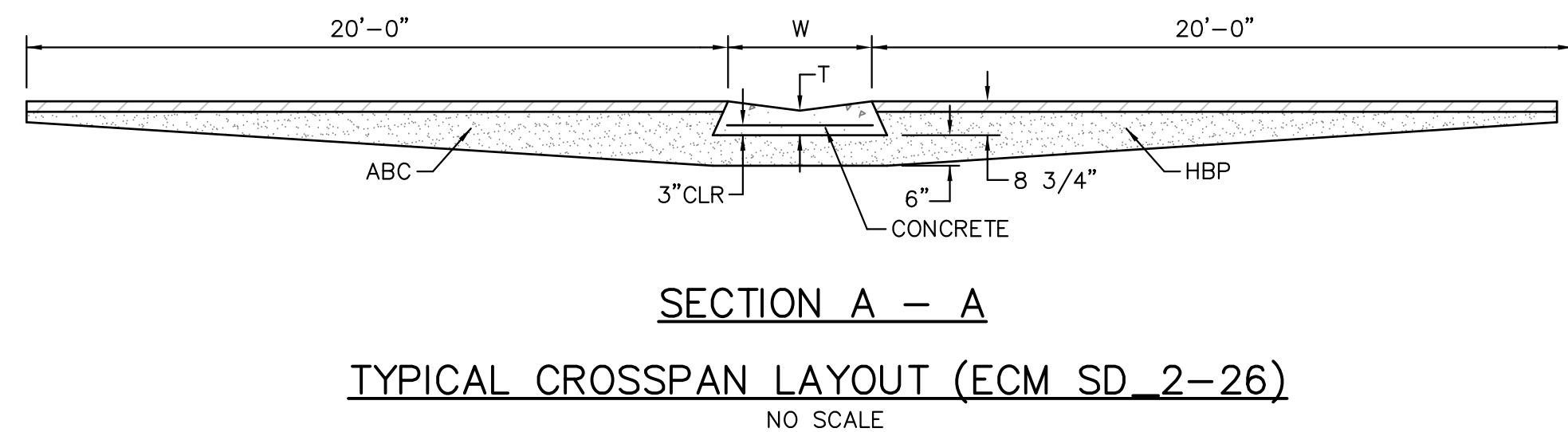
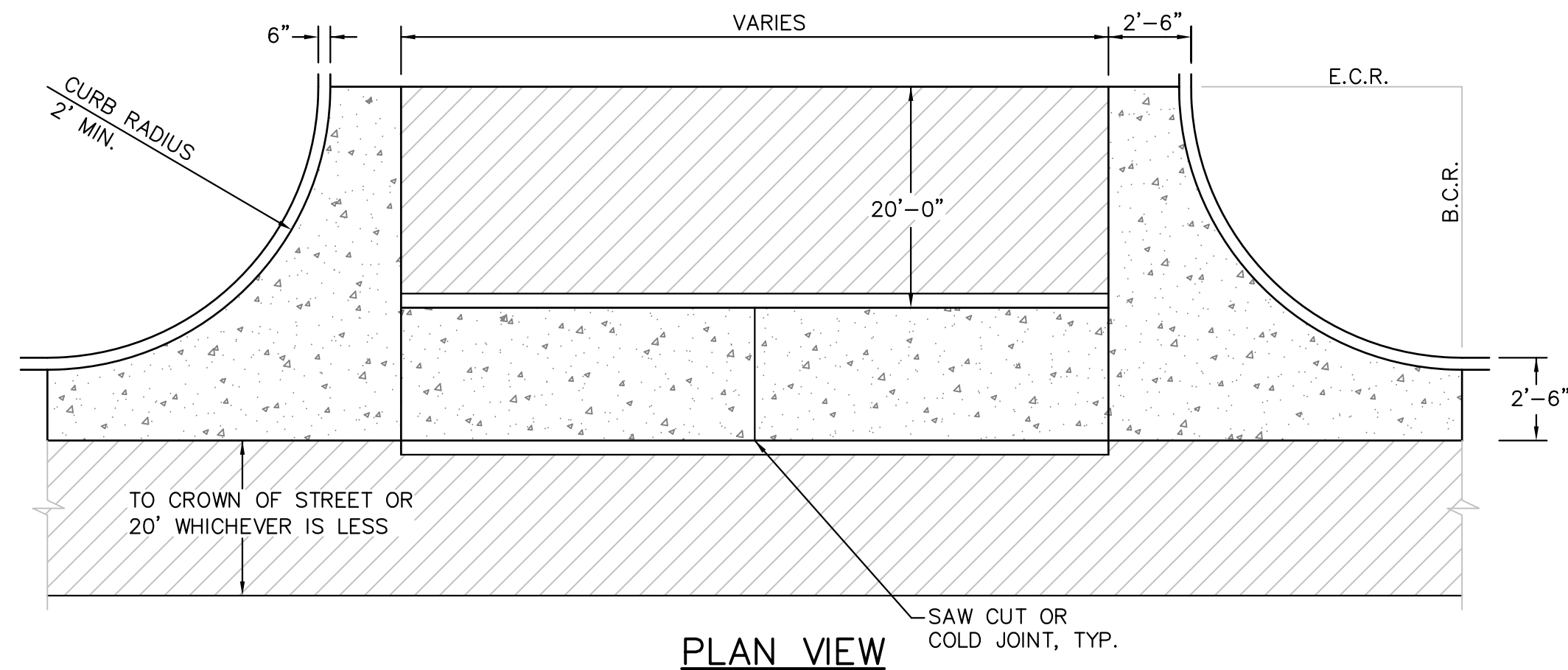
GRATES 5-6
NO SCALE



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: 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



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

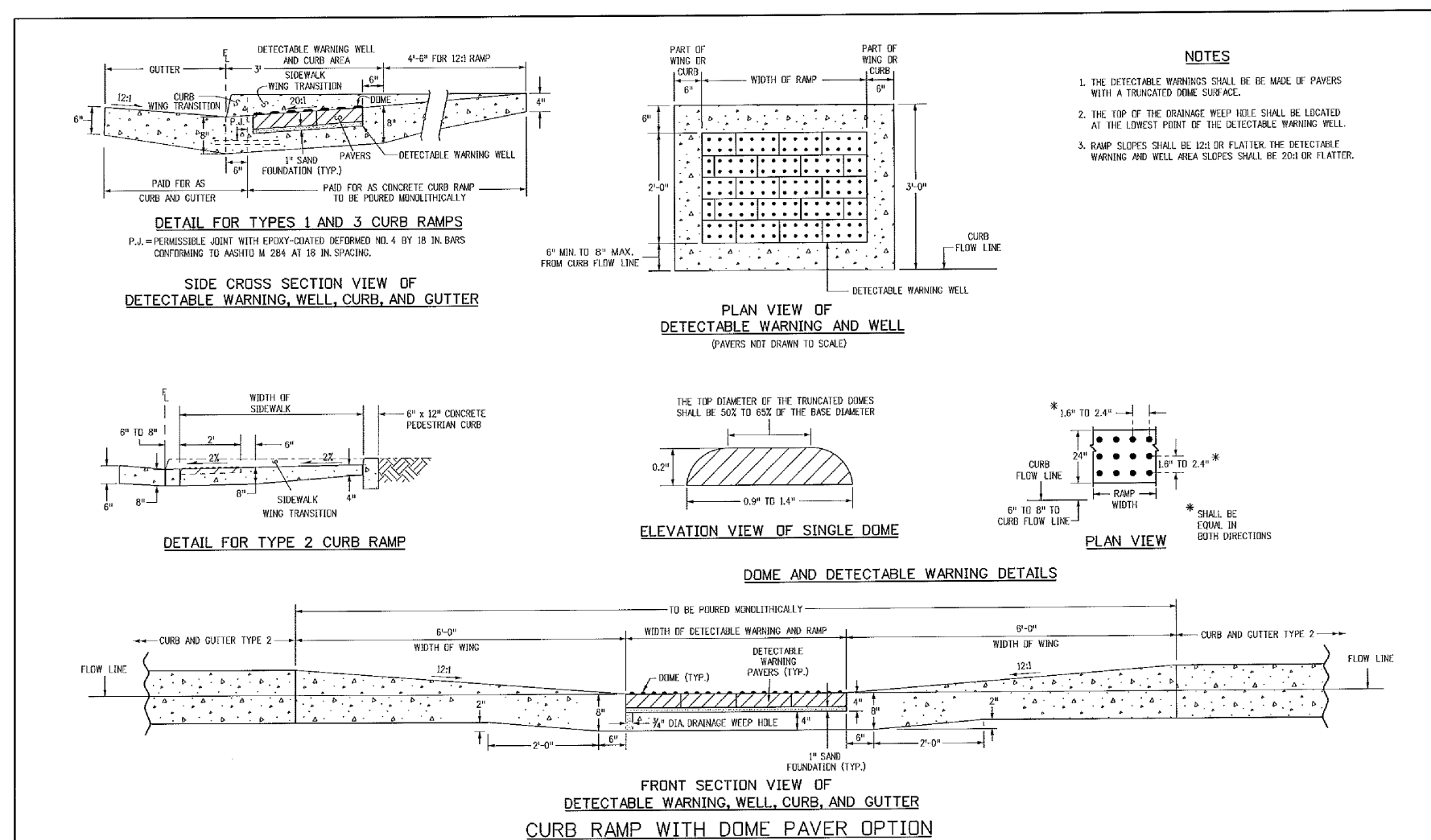



- PEDESTRIAN RAMP NOTES**


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

GENERAL NOTES

 1. 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.
 2. PEDESTRIAN WALKWAY AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
 3. AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.



- NOTES
1. W = WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, 10' FOR ARTERIAL ROADS.
 2. 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).
 4. DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.

7/9/09 DATE APPROVED: André P. Brackin DEPARTMENT OF TRANSPORTATION	Pedestrian Intersection Ramp Standard Drawing	REVISION DATE: 1/18/11	FILE NAME: SD_2-41	
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Computer File Information			Sheet Revisions		Colorado Department of Transportation		CURB RAMPS		STANDARD PLAN NO.	
Creation Date: 07/24/02 Initials: DB			Revised		 420 East Arkansas Avenue		CURB RAMPS		M-608-1	
Last Modification Date: 07/24/02 Initials: LTA			Comments		Denver, Colorado 80272					
File Path: www.coloradoadvisi.com/business/development.asp					Phone: (303) 757-9083					
Drawing File Name: 608010066.dgn					Fax: (303) 757-8050					
CADD User: Modification 1B Scale: Not Set Units: English					Project Development Branch		DD/LTA		Issued By: Project Development Branch on July 4, 2002	
									Sheet No. 6 of 6	

TRUNCATED DOME DETAILS (ECM SD_2-42)

ROADWAY DETAIL SHEET		DATE:		FEBRUARY 28, 2019	
		PROJECT NO.		100.048	
TOTAL SHEETS:		40		SHEET NUMBER	
		C10.1			
DRAWN: RLS DESIGNED: RLS CHECKED: RLS		PROJECT: LORSON RANCH EAST FILING NO. 4 LORSON BLVD. — LAMPREY DR. COLORADO SPRINGS, COLORADO (719) 635-3200		PREPARED FOR: LORSON, LLC 212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF MARK	
		NO.		DESCRIPTION	
				DATE	
CORE		ENGINEERING GROUP			
		15004 1ST AVENUE S DENVER, CO 80202 PHONE: 719.570.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg1.com			

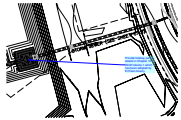
Markup Summary

Steve Kuehster (16)

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RIM=5766.39
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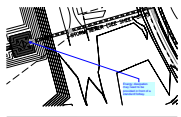
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Author: Steve Kuehster
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Provide inlet size.



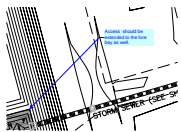
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Date: 4/23/2019 10:30:09 AM
Color: ■

Provide forebay per details in Chapter 13 DCM Volume 1 which has been adopted by El Paso County.



Subject: arrow & box
Page Label: 34
Author: Steve Kuehster
Date: 4/23/2019 10:30:35 AM
Color: ■

Energy dissipation may need to be provided in front of a standard forbay.



Subject: arrow & box
Page Label: 34
Author: Steve Kuehster
Date: 4/23/2019 10:40:30 AM
Color: ■

Access should be extended to the fore bay as well.



Subject: arrow & box
Page Label: 36
Author: Steve Kuehster
Date: 4/23/2019 11:18:02 AM
Color: ■

There probably needs to be a restrictor plate to control the release to the 100 yr rate.

SF-19-008

SF-19-0X

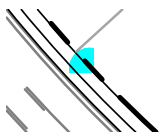
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Color: ■

SF-19-008

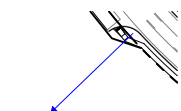
VINE, COUNTY
P.E.

Subject: text box
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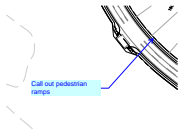
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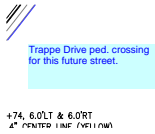


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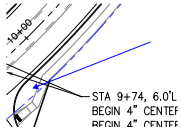
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Date: 4/24/2019 11:28:39 AM
Color: ■

Call out pedestrian ramps

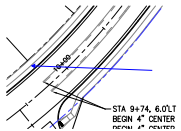


Subject: text box
Page Label: 8
Author: Steve Kuehster
Date: 4/24/2019 11:29:40 AM
Color: ■

Trappe Drive ped. crossing for this future street.



Subject: Arrow
Page Label: 8
Author: Steve Kuehster
Date: 4/24/2019 11:29:56 AM
Color: ■

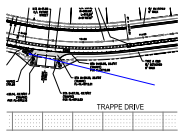


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Page Label: 8
Author: Steve Kuehster
Date: 4/24/2019 11:30:01 AM
Color: ■



Subject: arrow & box
Page Label: 27
Author: Steve Kuehster
Date: 4/24/2019 11:32:50 AM
Color: ■

Call out a pedestrian ramp crossing for this future street



Subject: Arrow
Page Label: 27
Author: Steve Kuehster
Date: 4/24/2019 11:33:05 AM
Color: ■

See comments sheet C9.1

Subject: text box
Page Label: 35
Author: Steve Kuehster
Date: 4/24/2019 11:44:45 AM
Color: ■

See comments sheet C9.1