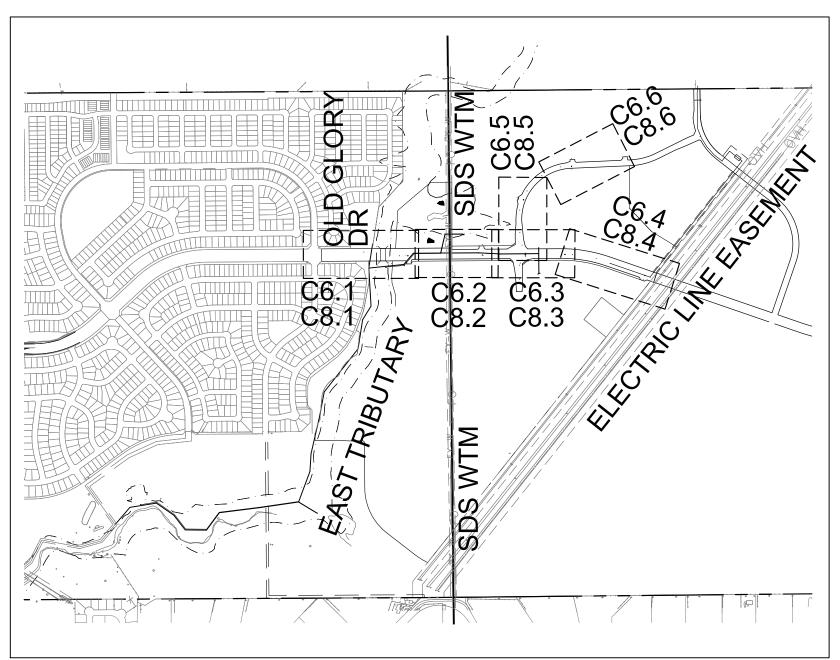
Appletree

FONTAINE BOULEVARD & LAMPREY DRIVE

WITHIN LORSON RANCH EAST STREET, STORM SEWER, AND WATERMAIN CONSTRUCTION PLANS

Old Glory Dr.







WIDEFIELD WATER AND SANITATION DISTRICT 8495 FONTAINE BLVD. COLORADO SPRINGS, CO 80925

TELEPHONE

CENTURYLINK

7925 INDUSTRY ROAD

719-278-4651

970-641-4774 719-390-7111

COLORADO SPRINGS, CO 80939 FOUNTAIN, CO 80817

SECTION 23 IS A FOUND 2-1/2" ALUMINUM CAP MONUMENT

COMCAST P.O. BOX 173838 DENVER, CO 80217

GAS

BLACK HILLS ENERGY

719-393-6639

7060 ALLEGRE ST.

COLORADO SPRINGS, CO 80831 719-495-2283

MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN RD.

EL PASO COUNTY

DEVELOPMENT

2880 INTERNATIONAL CIRCLE

COLORADO SPRINGS, CO 80910

719-520-6300

PLANNING AND COMMUNITY

SECURITY FIRE PROTECTION DISTRICT

719-392-7121

400 SECURITY BOULEVARD SECURITY, CO 80911

719-635-3200 CONTACT: JEFF MARK

PREPARED FOR:

LORSON, LLC

212 N. WAHSATCH AVE., SUITE 301

Existing Fontaine Blvd.

DISTRICT APPROVAL (WATER)

THE WIDEFIELD WATER AND SANITATION DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE WIDEFIELD WATER AND SANITATION DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

VICINITY MAP

PREPARED BY:

CORE ENGINEERING GROUP

15004 1ST AVENUE S

719-570-1100

CONTACT: RICHARD L. SCHINDLER P.E.

WIDEFIELD WATER AND SANITATION DISTRICT WATER DESIGN APPROVAL

DATE _____ BY ____ PROJECT NO. _____

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR INSTALLATION OF WATER MAINS AND SERVICES" SHALL RULE.

APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL

BENCHMARK

BASIS OF BEARING

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

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

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.

DISTRICT APPROVAL (WASTEWATER)

THE WIDEFIELD WATER AND SANITATION DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE WIDEFIELD WATER AND SANITATION DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

> WIDEFIELD WATER AND SANITATION DISTRICT WASTEWATER DESIGN APPROVAL

DATE	BY
PROJECT NO.	

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR INSTALLATION OF WATER MAINS AND SERVICES" SHALL RULE.

APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL



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 COVER SHEET C1.2 TYPICAL STREET SECTIONS HORIZONTAL CONTROL PLAN SIGNING AND STRIPING PLAN STREET/STORM PLAN AND PROFILE STORM SEWER LATERAL CONSTRUCTION WATERMAIN CONSTRUCTION ROUNDABOUT CONSTRUCTION STREET/STORM DETAILS STRUCTURAL DETAILS WATERMAIN 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		
BY		DATE
TITLE		-
ADDRESS	212 N. WAHSATCH AVE. SUITE 301	
	COLORADO SPRINCS CO 80003	

COLORADO SPRINGS UTILITIES
WATER PLAN DESIGN APPROVAL

APPROVED BY: _	

PROJECT NUMBER: 2018-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. CONSTRUCTION DOCUMENTS WILL BE VALID FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER.

DATE

	JENNIFER	IRVINE,	COUNTY	ENGINEER/ECM	ADMINISTRATOR	
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 DESIGNED: RLS CHECKED: RLS

ORM TR CON WE **S** S 2 0 ONTAINE WATE

APRIL 2, 2018 PROJECT NO.

100.041 SHEET NUMBER C1.1 TOTAL SHEETS: 34

CDR 18-003

CONSTRUCTION NOTES

- 1. ALL WORK SHALL COMPLY WITH THE CODES AND POLICIES FOR EL PASO COUNTY.
- 2. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THIS GRADING PLAN WAS OBTAINED FROM DREXEL. BARRELL & CO., JULY, 2005. THE CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE SITE AND BE FAMILIAR WITH THE EXISTING CONDITIONS.
- 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
- 4. THE CONTRACTOR IS RESPONSIBLE FOR THE RE-ESTABLISHMENT OF ALL SURVEY MONUMENTS DISTURBED WITHIN THE PROJECT LIMITS.
- 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.
- 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 (ASTMM 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 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.
- . SUBGRADE MATERIALS DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED, DISPOSED OF AND REPLACED WITH APPROVED MATERIALS.
- 8. FILL SHALL BE PLACED IN 8-INCH MAXIMUM LOOSE LIFTS AND SHALL BE COMPACTED PRIOR TO SUCCESSIVE LIFTS.
- 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:
 - HAY BALE BARRIERS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
 - SILT FENCE WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
 - TEMPORARY SEDIMENTATION BASINS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
 - MULCHING AND SEEDING OF EXCESSIVE SLOPED AREAS AS NEEDED OR AS DIRECTED BY THE ENGINEER.
 - TEMPORARY VEHICLE TRACKING CONTROL AS NEEDED AND/OR DIRECTED BY THE ENGINEER.
 - CONCRETE WASH AREAS.
- INLET PROTECTION. THESE AND ALL EROSION CONTROL BEST MANAGEMENT PRACTICES AS SHOWN IN THE GRADING AND EROSION CONTROL PLANS SHALL BE STRICTLY ADHERED TO.
- 10. FINISHED CONTOURS/SPOT ELEVATIONS SHOWN HEREON REPRESENT FINISHED GRADES. ALL GRADING SHALL CONFORM TO THE GEOTECHICAL RECOMMENDATIONS FOR LORSON RANCH EAST PREPARED BY RMG, "PRELIMINARY SOILS AND GEOLOGY FOR LORSON RANCH EAST", DATED SEPTEMBER 7, 2016.

- WIDEFIELD WATER AND SANITATION DISTRICT GENERAL NOTES
- 1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WIDEFIELD WATER AND SANITATION DISTRICT SPECIFICATIONS. COMPACTION REQUIREMENTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE WIDEFIELD WATER AND SANITATION DISTRICT OR A HIGHER STANDARD IS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION.
- 2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE WIDEFIELD WATER AND SANITATION DISTRICT. THE WIDEFIELD WATER AND SANITATION DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- 3. THE DEVELOPER OR HIS ENGINEER HAS LOCATED ALL FIRE HYDRANTS AND FUTURE SERVICE STUBS. ANY REQUIRED REALIGNMENT, EITHER HORIZONTAL OR VERTICAL, SHALL BE AT THE EXPENSE OF THE DEVELOPER.
- 4. ALL DUCTILE IRON PIPE, TO INCLUDE FITTINGS, VALVES AND FIRE HYDRANTS WILL BE WRAPPED WITH POLYETHEYLENE TUBING, BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED.
- 5. ALL DUCTILE IRON PIPE SHALL BE DOUBLE BONDED. DIP SHALL HAVE CATHODIC PROTECTION USING NO. 6 WIRE WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET.
- 6. PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
- 7. ALL FITTINGS SHALL BE DUCTILE IRON —MECHANICAL JOINT AND HAVE 1 LB. MAGNESIUM ANODES AT EVERY
- 8. THE CONTRACTOR IS REQUIRED TO NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT (390-7111) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
- 9. THE LOCATION OF ALL UTILITIES AS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE VERIFIED PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
- 10. THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL TIE-INS. CONTRACTOR SHALL NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER OF THE FIELD VERIFIED INFORMATION PRIOR TO CONSTRUCTION.
- 11. ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
- 12. ANY WATER UTILITY MATERIAL REMOVED AND NOT REUSED SHALL BE RETURNED TO THE WIDEFIELD WATER AND SANITATION DISTRICT IF THE DISTRICT SO REQUESTS.
- 13. THE CONTRACTOR SHALL AT HIS EXPENSE SUPPORT AND PROTECT ALL UTILITY MAINS SO THAT THEY WILL FUNCTION CONTINUOUSLY DURING CONSTRUCTION. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT WILL BE REPLACED IMMEDIATELY BY EITHER THE CONTRACTOR OR THE WIDEFIELD WATER AND SANITATION DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.
- 14. ANY PUMPING OR BYPASS OPERATIONS MUST BE REVIEWED AND APPROVED PRIOR TO EXECUTION BY BOTH THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER.
- 15. DISINFECTION SHALL BE ACCOMPLISHED BY GLUING TABLETS TO THE TOP OF THE LINE. POWDER OR GRANULER HTH SHALL NOT BE USED. SEE WIDEFIELD SPECS FOR FURTHER DEFINITION OF DISINFECTION TECHNIQUES.
- 16. CONTRACTOR MUST REPLACE OR REPAIR ANY DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- 17. ALL WATER LINES 6" AND LARGER, AND ALL SEWER LINES 8" AND LARGER, SHALL HAVE AS "AS-BUILT" PLANS PREPARED AND APPROVED PRIOR TO FINAL ACCEPTANCE BY THE WIDEFIELD WATER AND SANITATION DISTRICT.
- 18. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION CONFERENCE IS REQUIRED A MINIMUM OF 72 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. TO SET THE PRE-CONSTRUCTION CONFERENCE, CONTACT BRANDON BERNARD-WATER SUPERINTENDENT (464-2051) AND/OR MARK MCCORMICK, WASTEWATER SUPERINTENDENT OF THE WIDEFIELD WATER AND SANITATION DISTRICT FOR A TIME. NO PRE-CONSTRUCTION CONFERENCE TIMES WILL BE SET UNTIL 4 SETS OF SIGNED DRAWINGS ARE RECEIVED BY THE WIDEFIELD W & S DISTRICT. PRE-CONSTRUCTION DATE /INITIALS____
- WIDEFIELD WATER AND SANITATION DISTRICT UTILITY CONSTRUCTION NOTES ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE CATHODIC PROTECTION AND 1 LB MAGNESIUM ANODES AT EVERY FITTING.
- 2. ALL FIRE HYDRANTS SHALL BE MEULLER SUPER CENTURION 200 OR AMERICAN AVK SERIES 2700, (MODERN)

EL PASO COUNTY STANDARD CONSTRUCTION NOTES:

- 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.
- 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).
- 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:
- a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
- b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- d. CDOT M & S STANDARDS
- 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.
- 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.
- 6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- 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.
- 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.
- 9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- 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.
- 11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- 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.
- 13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY PUBLIC WORK DEPARTMENT AND MUTCD CRITERIA.
- 14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY PWD, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- 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.

GENERAL NOTES

- 1. ROUNDABOUT LIGHTING PLANS (NOT INCLUDED IN THIS PLAN SET) SHALL BE REVIEWED BY EL PASO COUNTY PCD.
- 2. ROUNDABOUT LANDSCAPING PLANS (NOT INCLUDED IN THIS PLAN SET) SHALL BE REVIEW BY EL PASO COUNTY PCD.

WORK WITHIN CSU SOUTHERN DELIVERY SYSTEM EASEMENT CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL COMPLY WITH CSU LESS 2.6.H.8 "CROSSING RAW WATER TRANSMISSION MAINS" FOR ALL WORK WITHIN THE CSU WATERMAIN EASEMENT
- 2. UTILITIES CROSSING OVER THE SDS WATERMAIN MUST BE POTHOLED WITH HYDRO-VAC AT EVERY CROSSING TO OBTAIN VISUAL VERIFICATIN OF THE WATERMAIN ELEVATION.
- 3. A COLORADO SPRINGS UTILITIES WATER INSPECTOR SHALL BE NOTIFIED, 719-668-4658, AND PRESENT BEFORE AND DURING CONSTRUCTION ACTIVITIES WITHIN THE SDS EASEMENT
- 4. CONTACT WAYNE RUST, 719-668-3996, COLORADO SPRINGS UTILITIES, FOR ADDITIONAL INFORMATION REGARDING THE SDS FIBER LINE.
- 5. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5' OF COVER OVER THE SDS WATERMAIN.
- 6. CONTRACTOR SHALL SALVAGE AND REPLACE ALL CARSONITE WATER MARKERS OVER THE WATERMAIN AFTER CONSTRUCTION.

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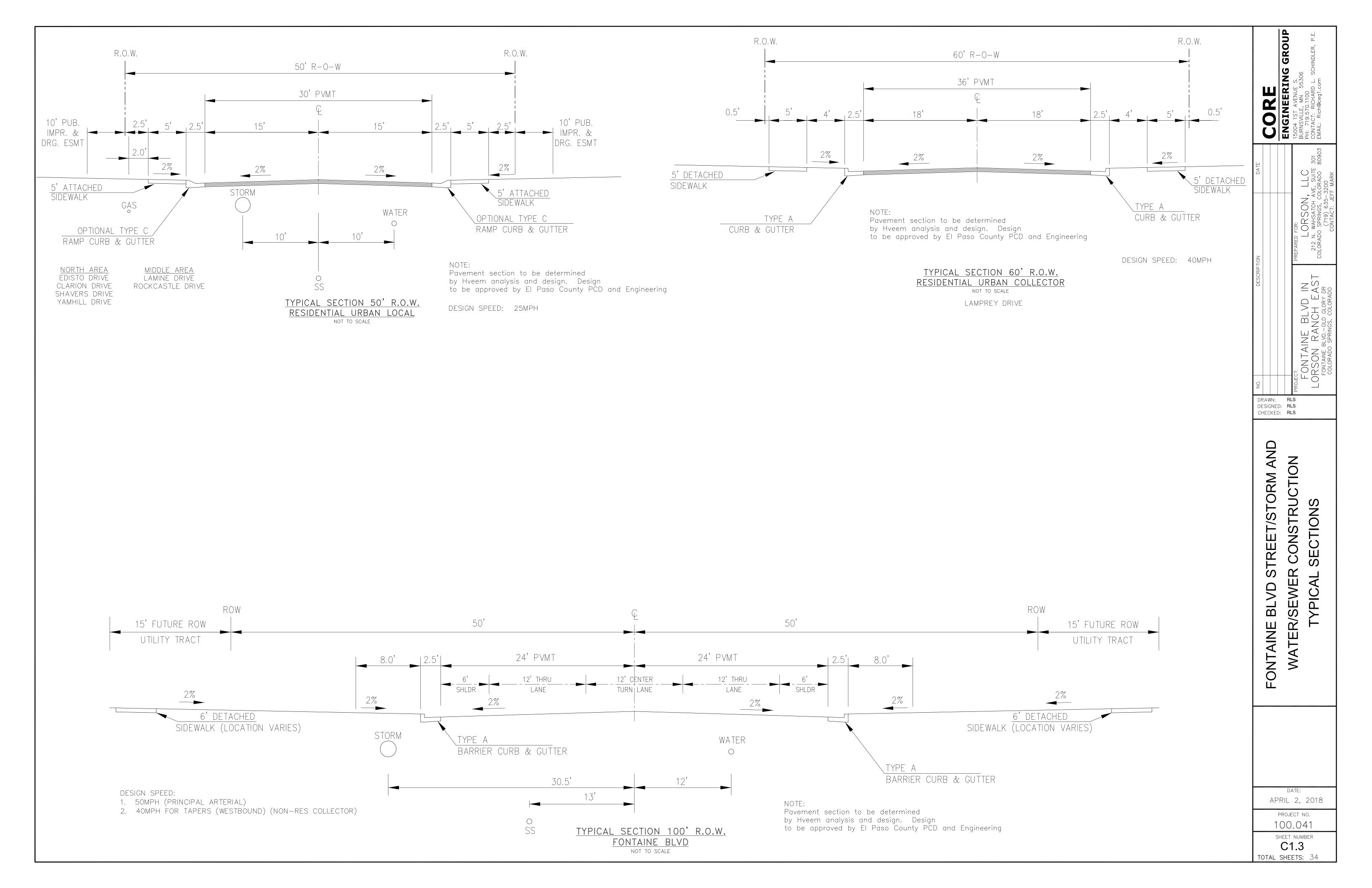
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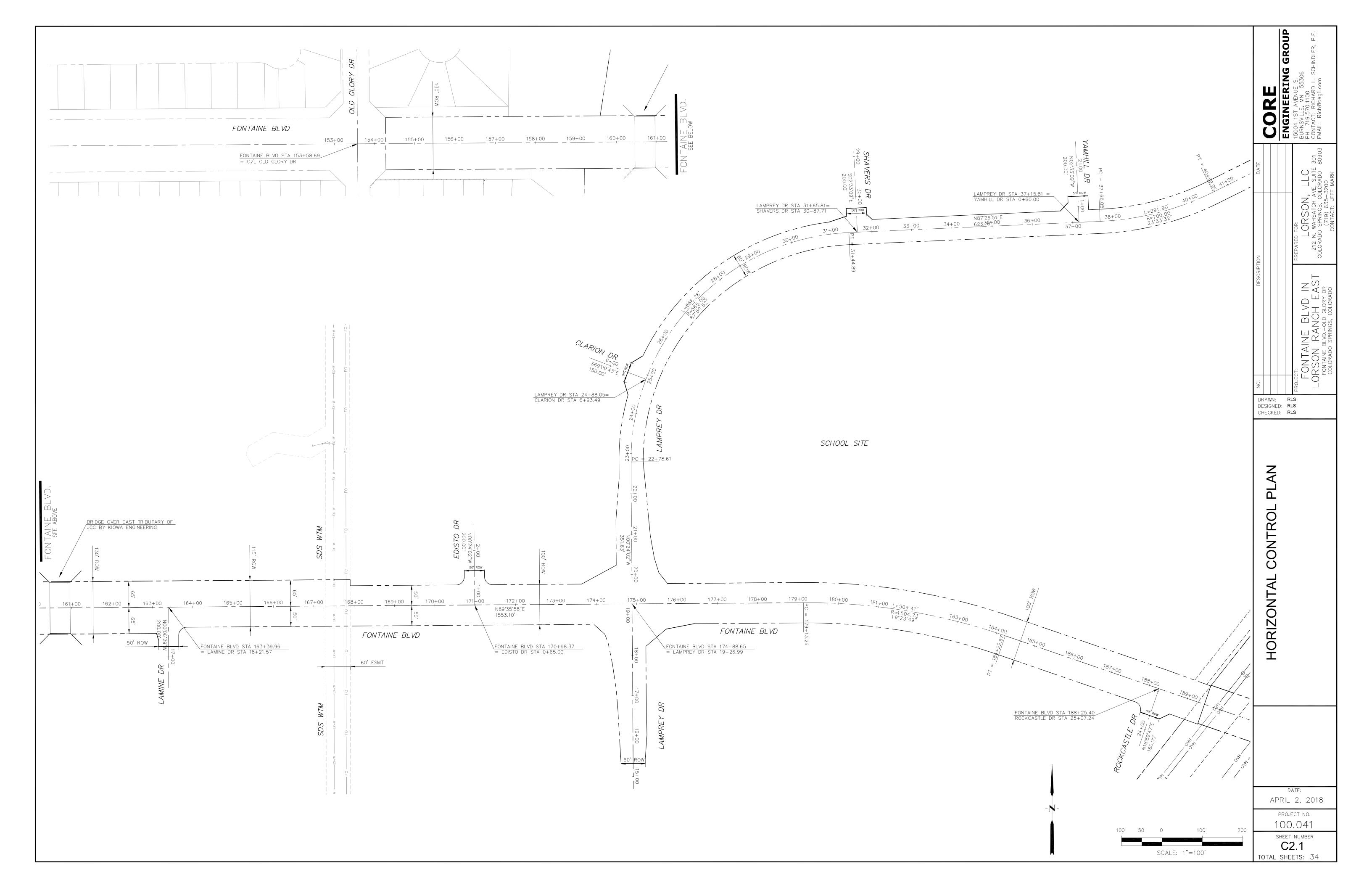
APRIL 2, 2018

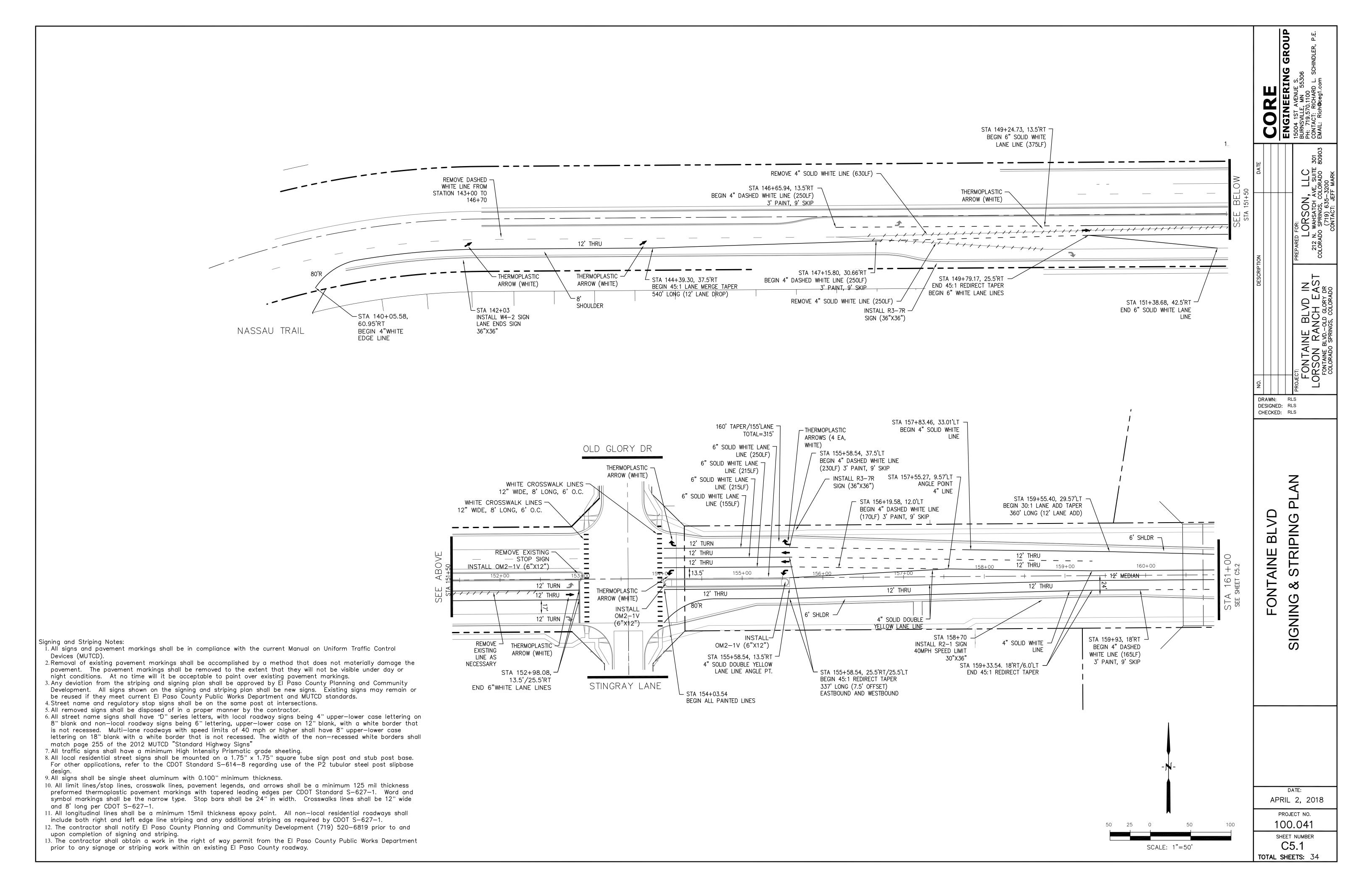
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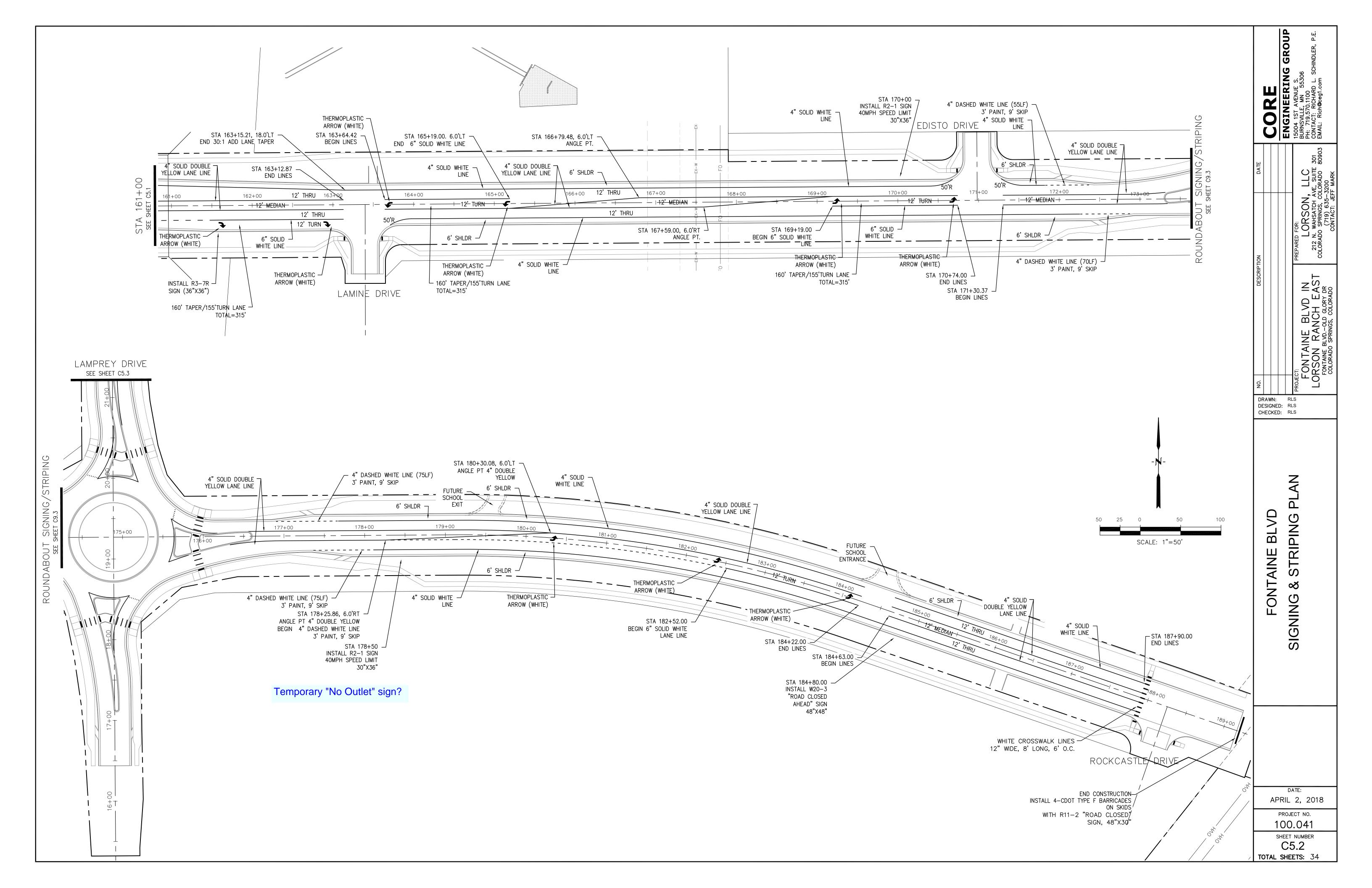
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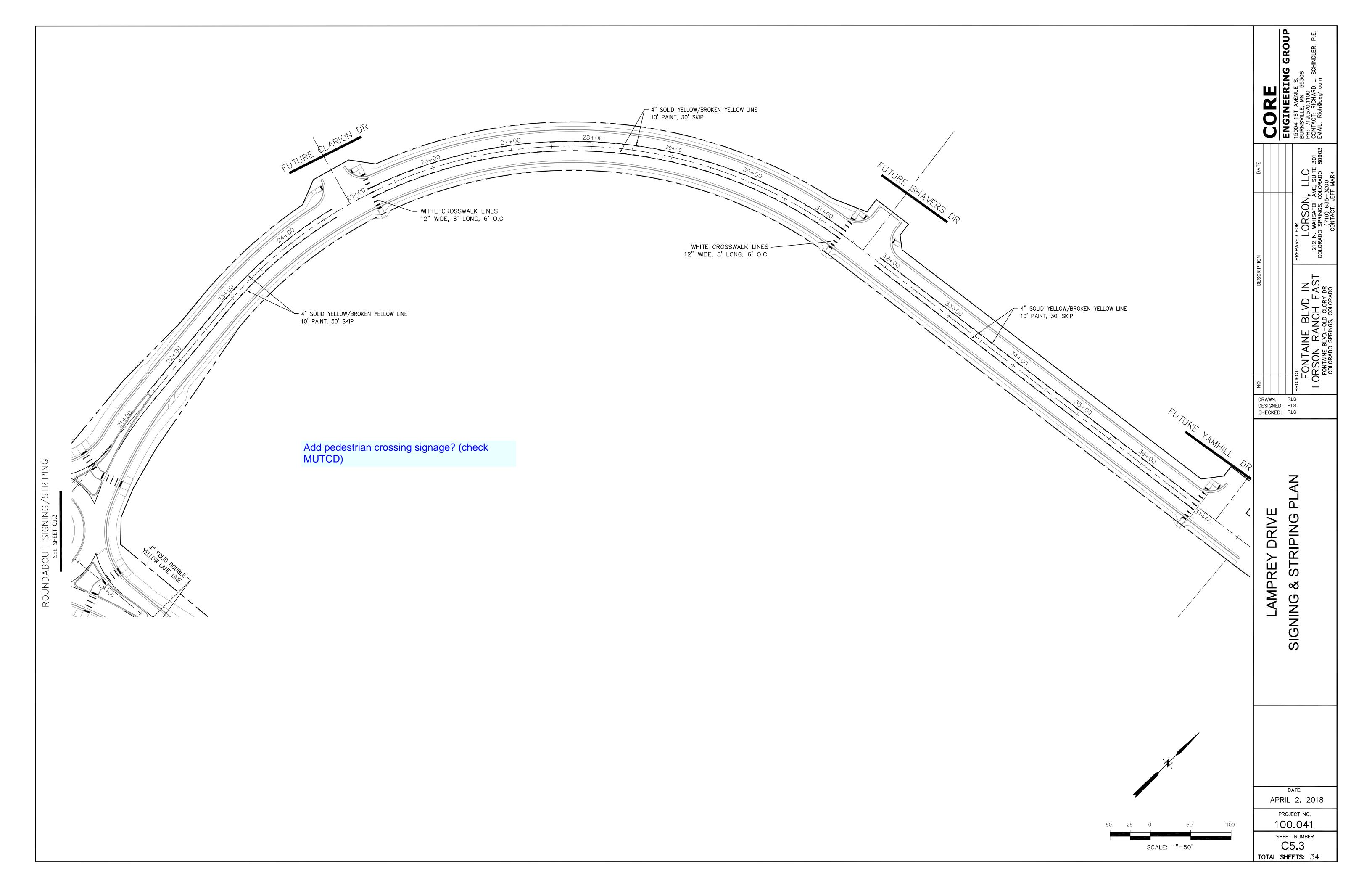
TOTAL SHEETS: 34

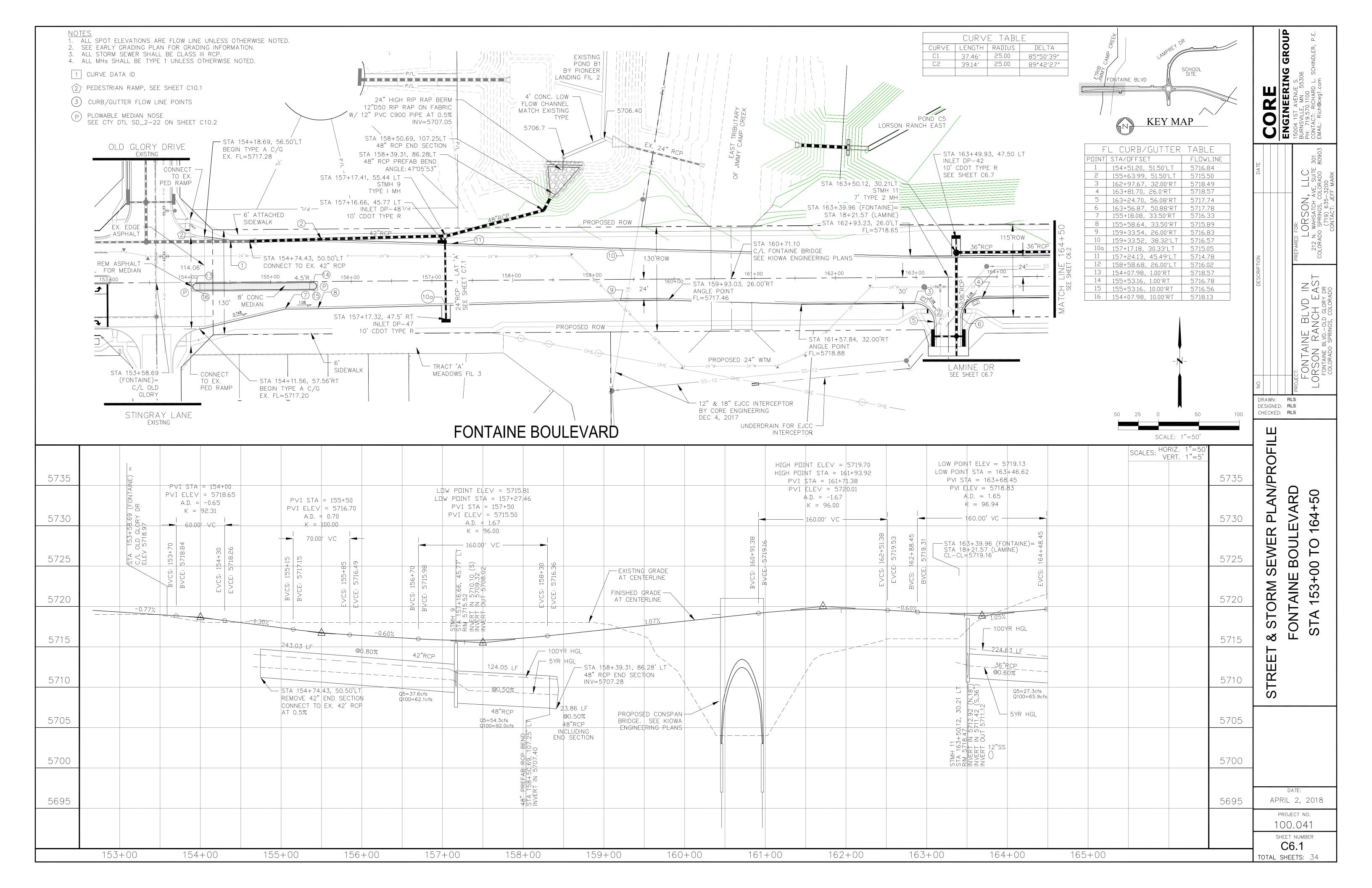


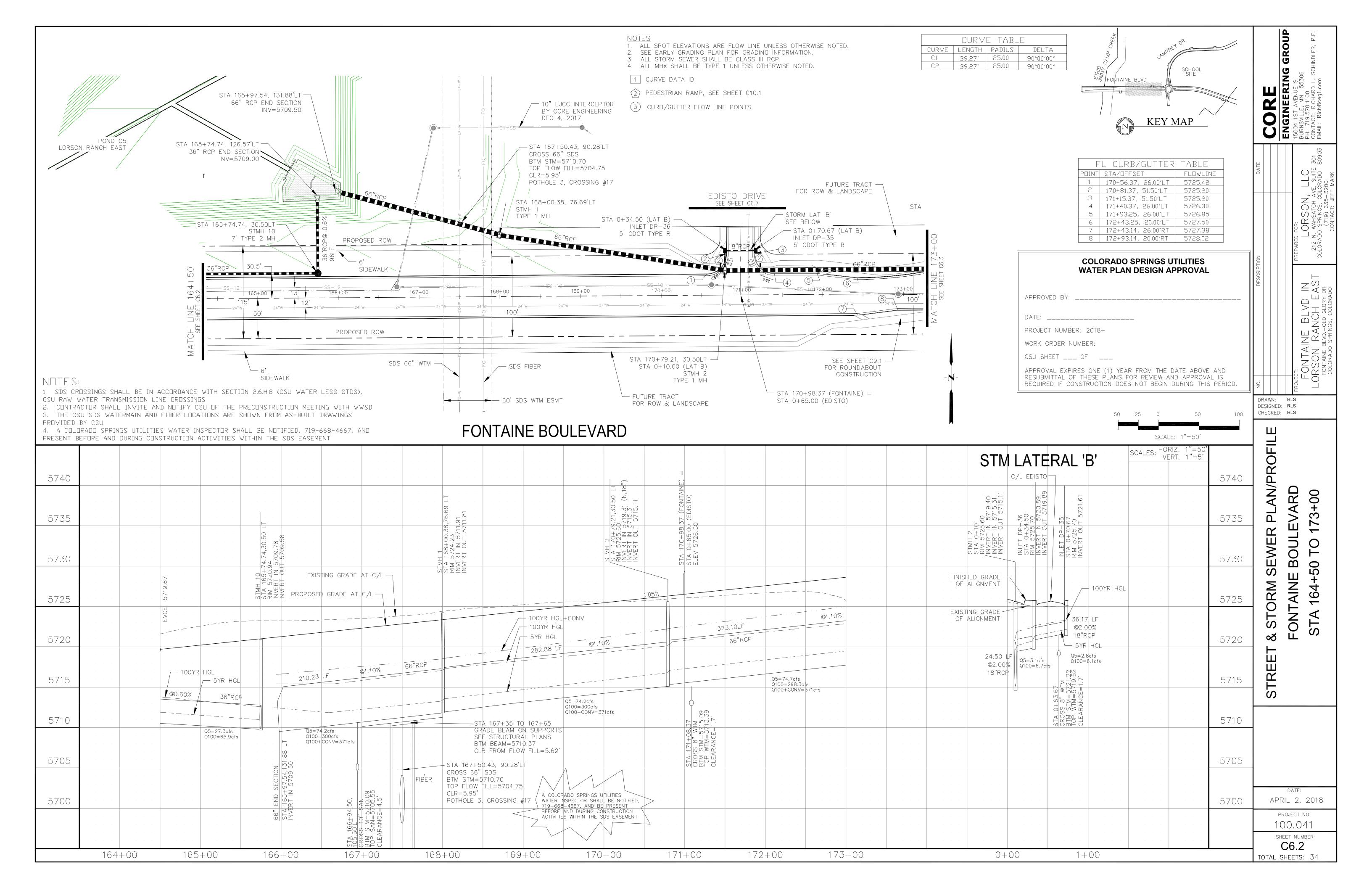


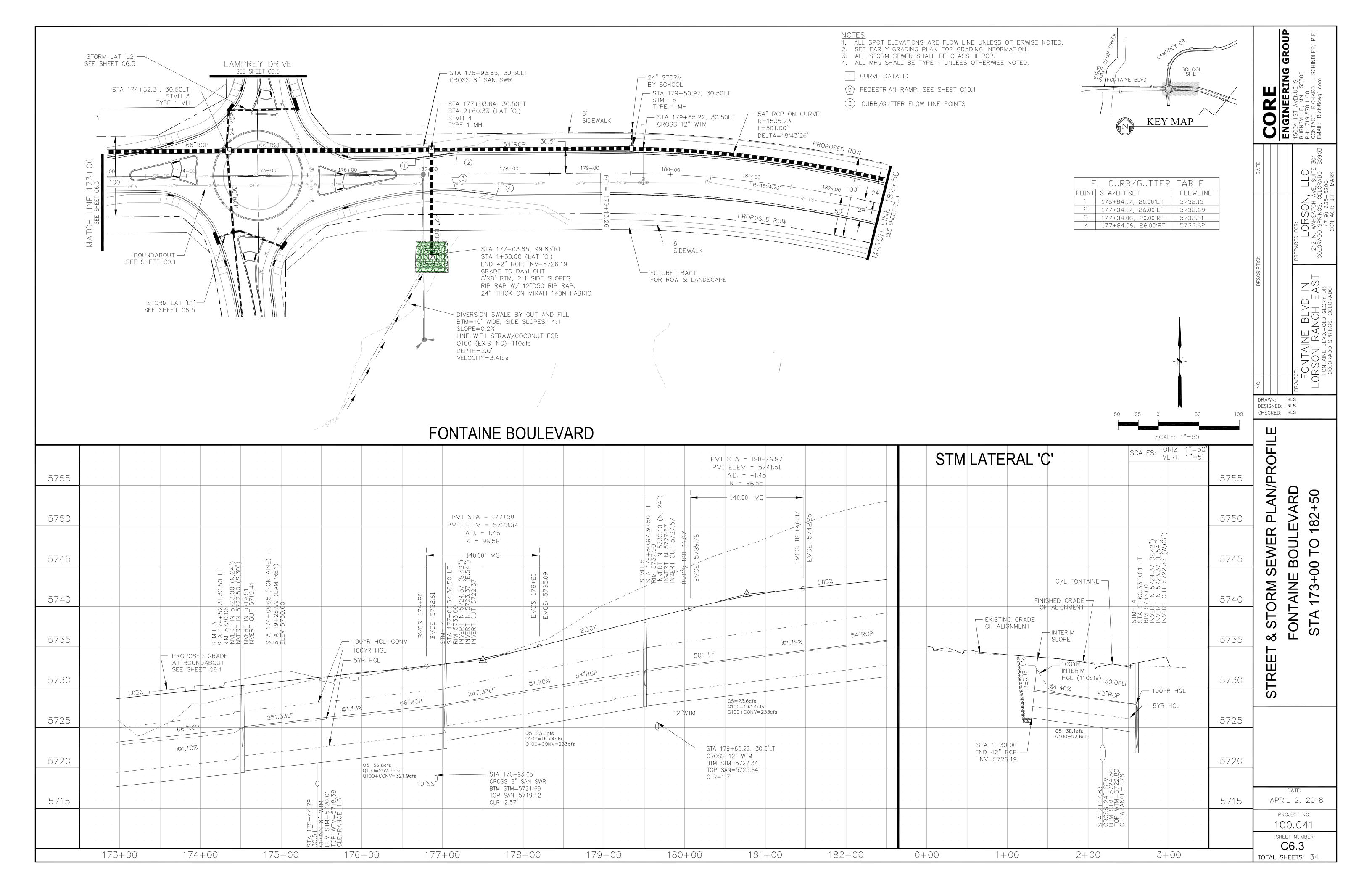


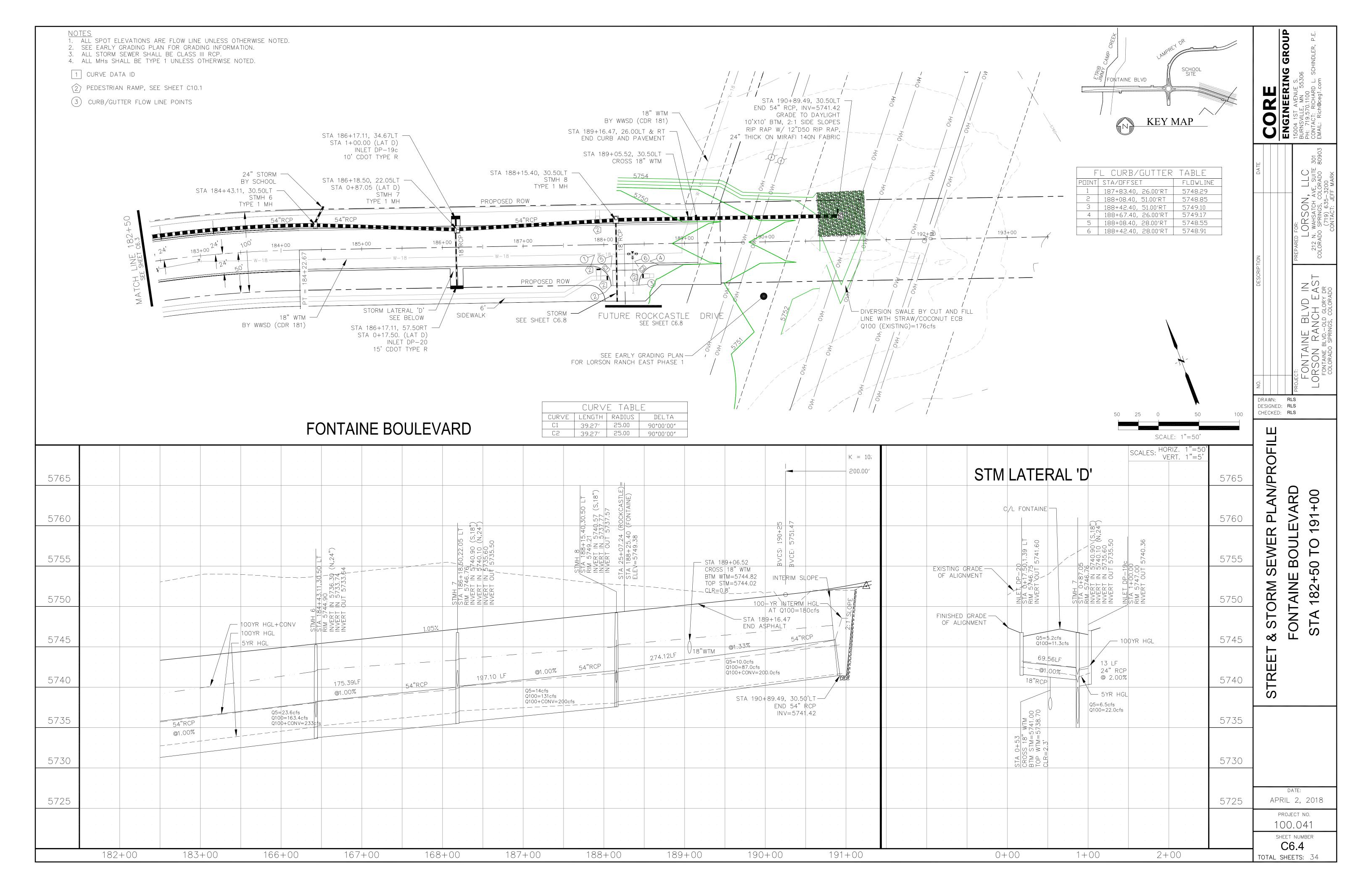


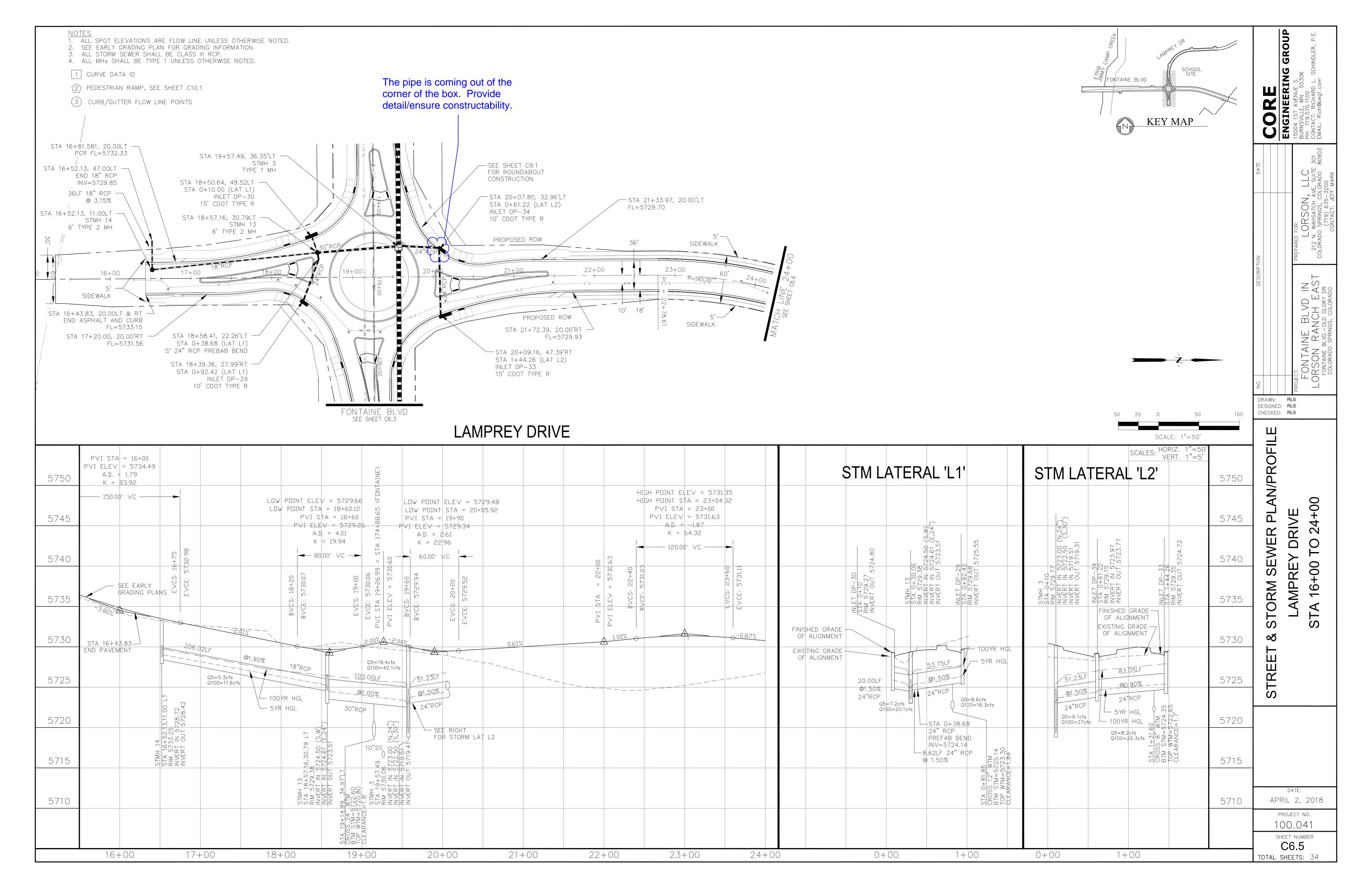


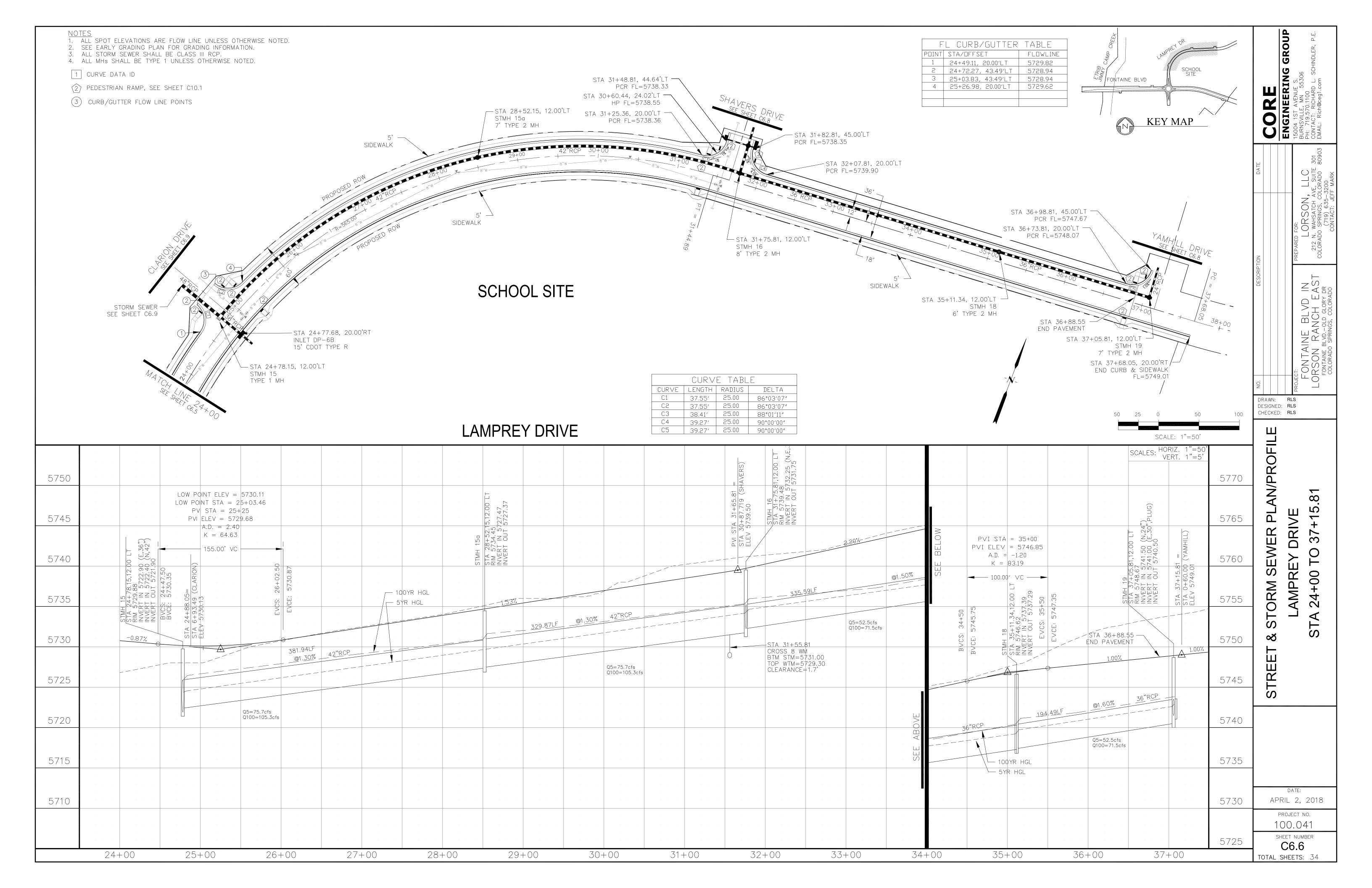


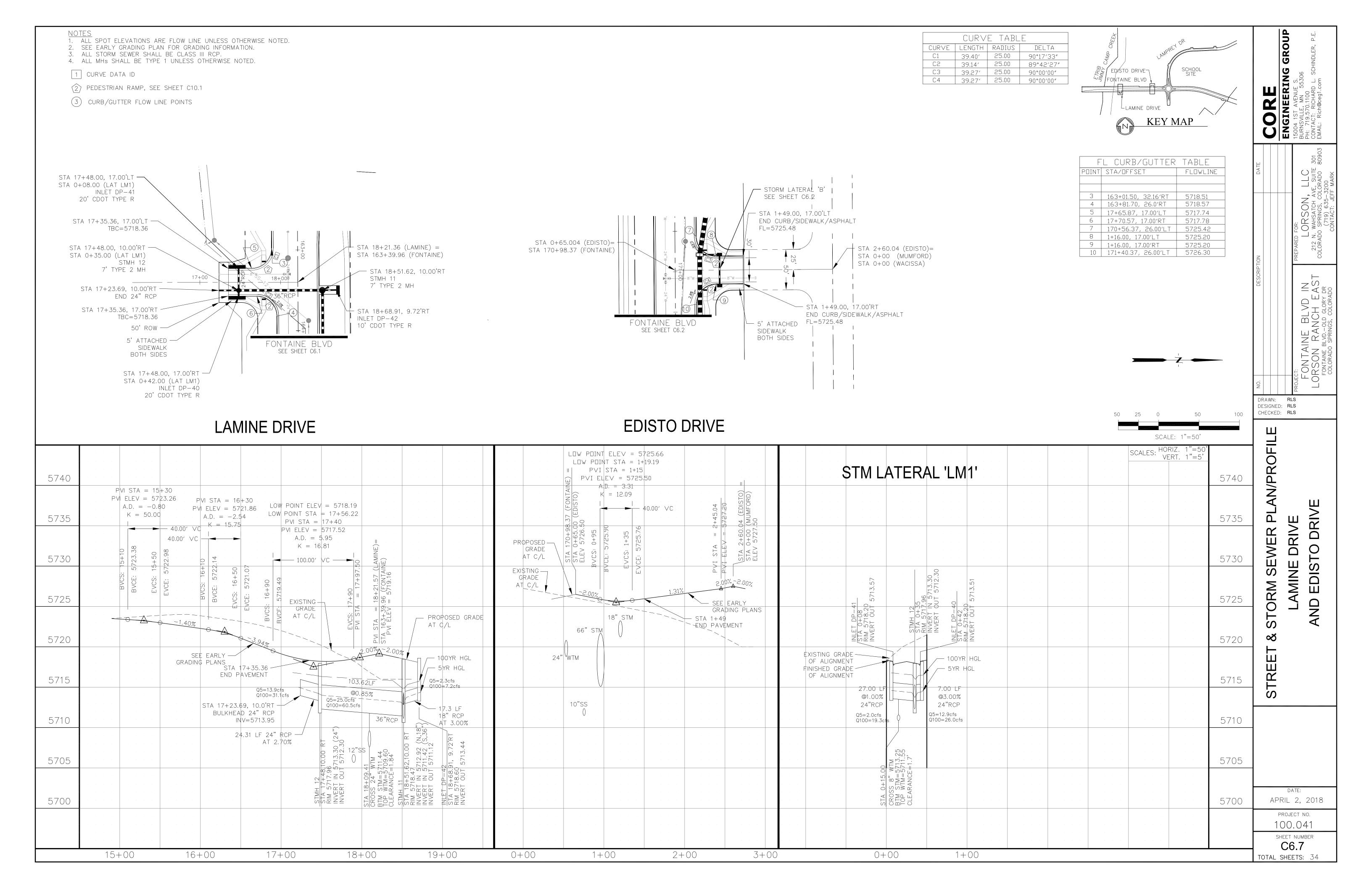


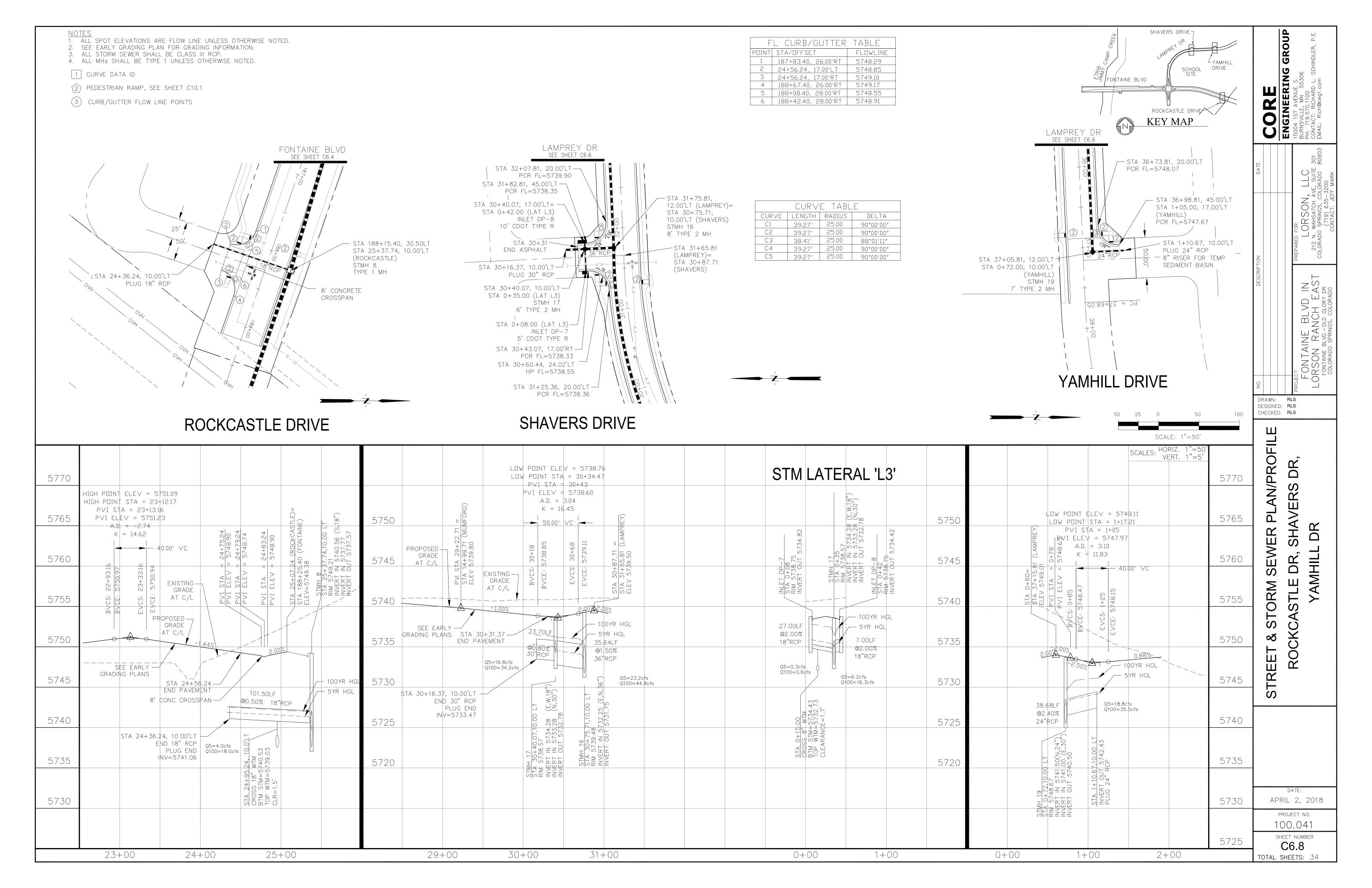


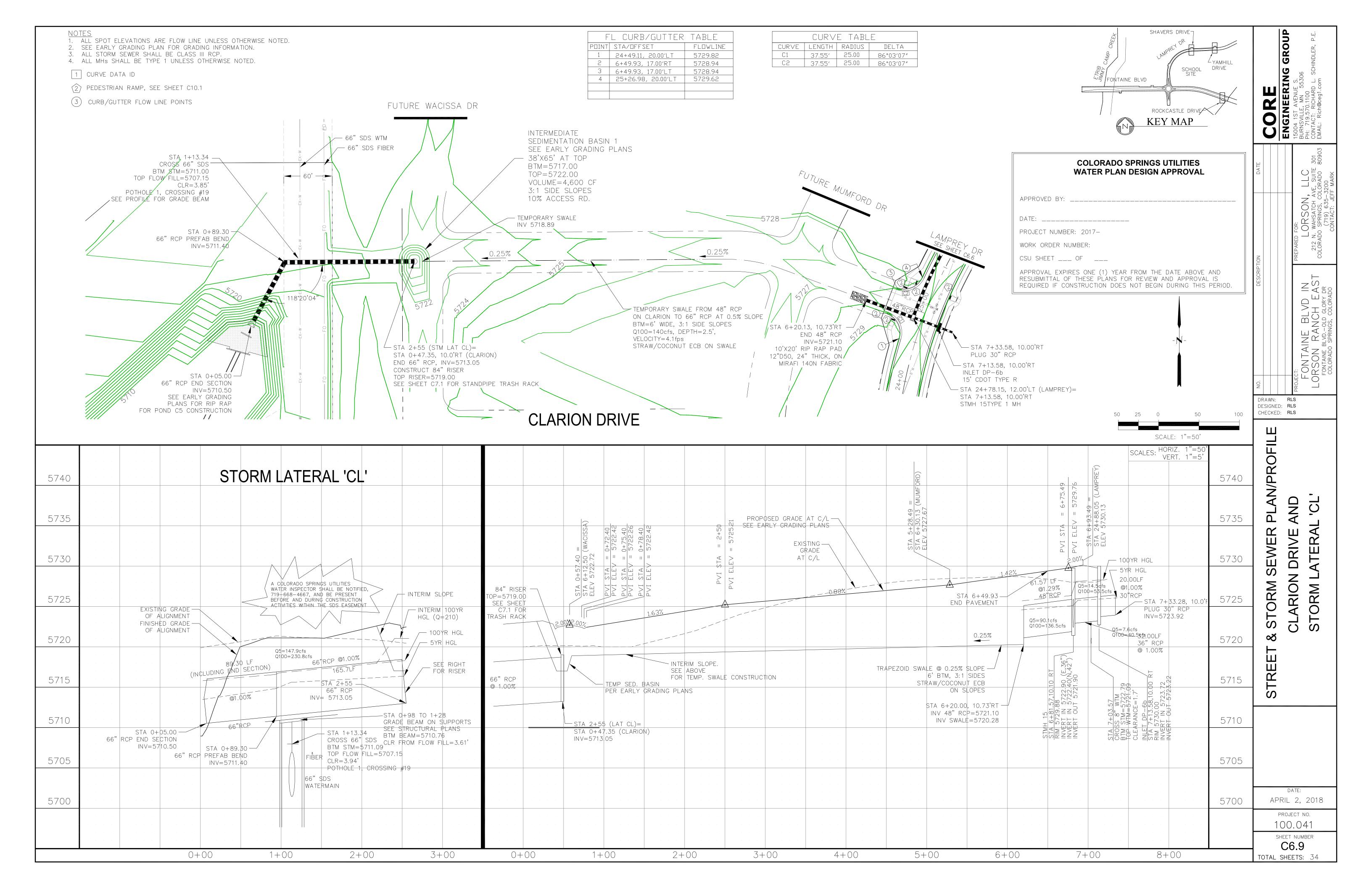


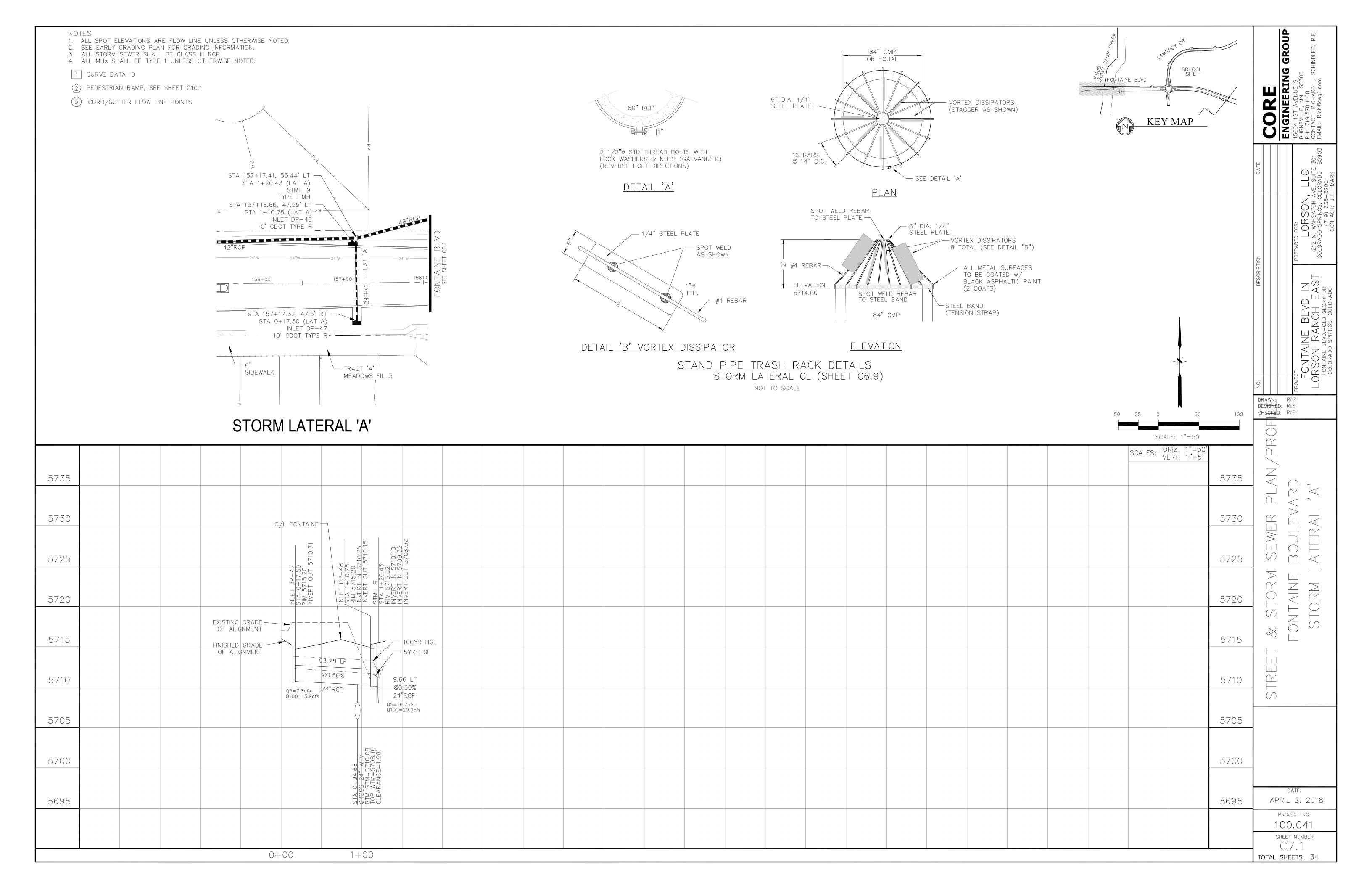


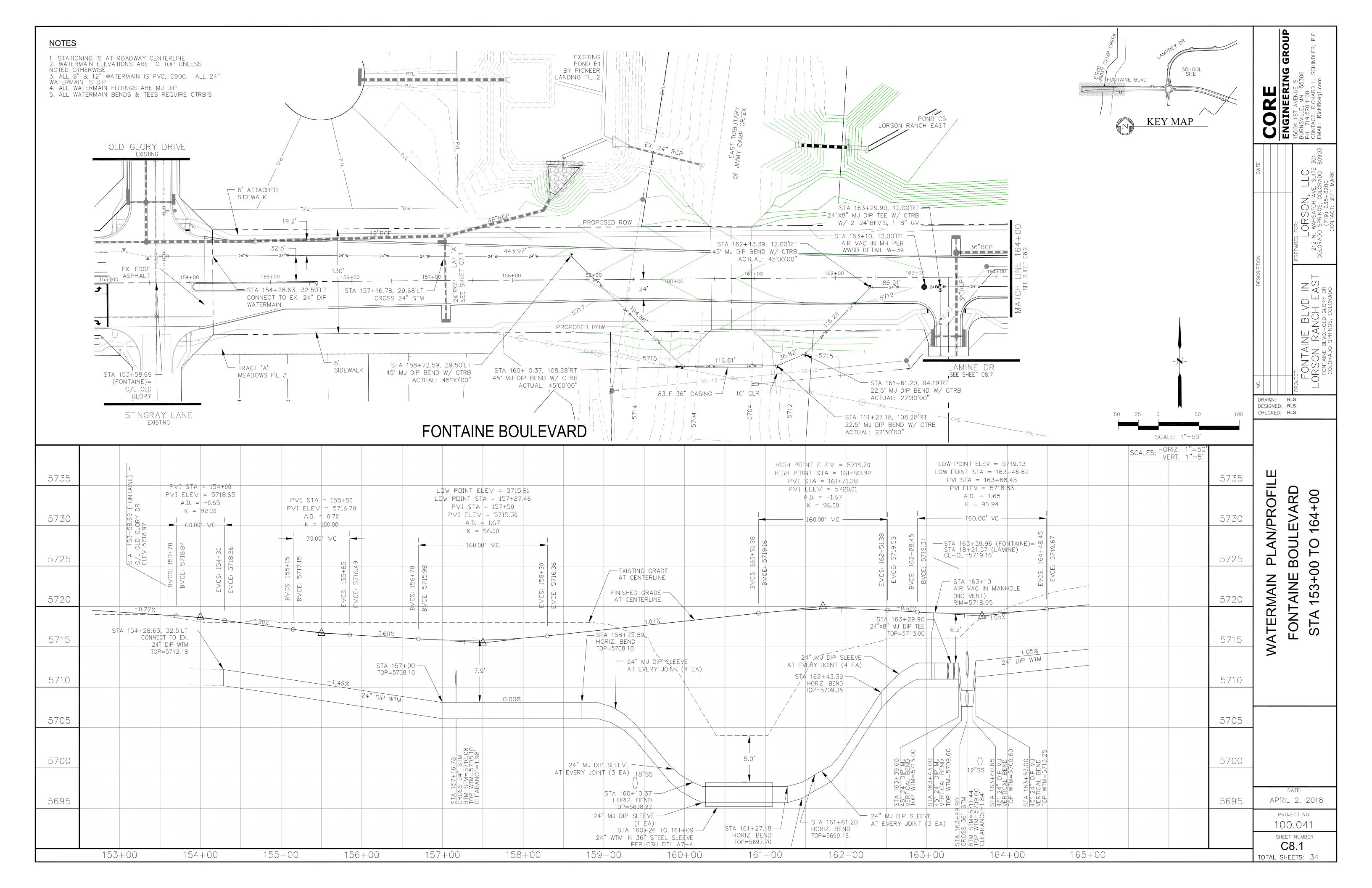


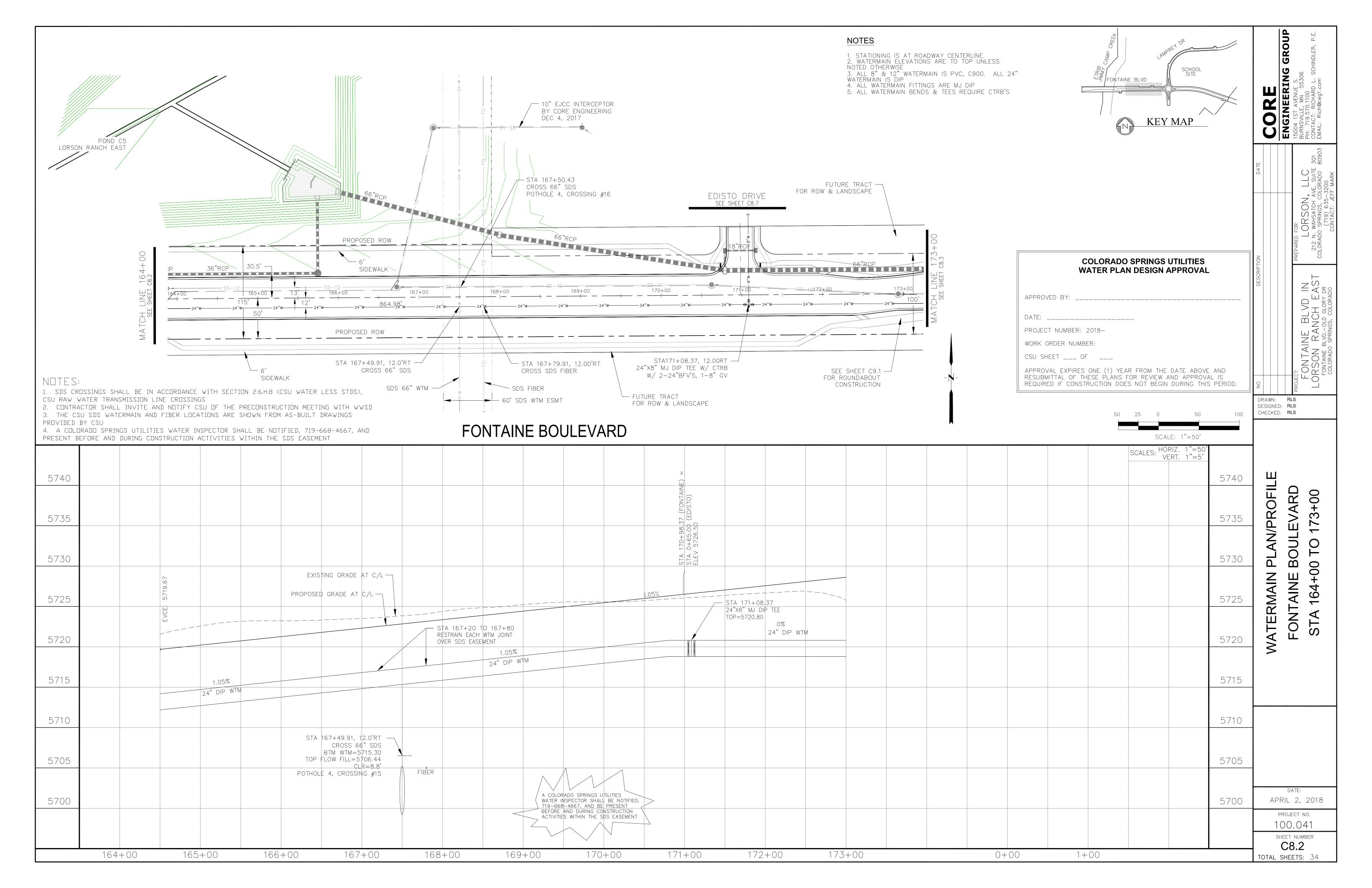


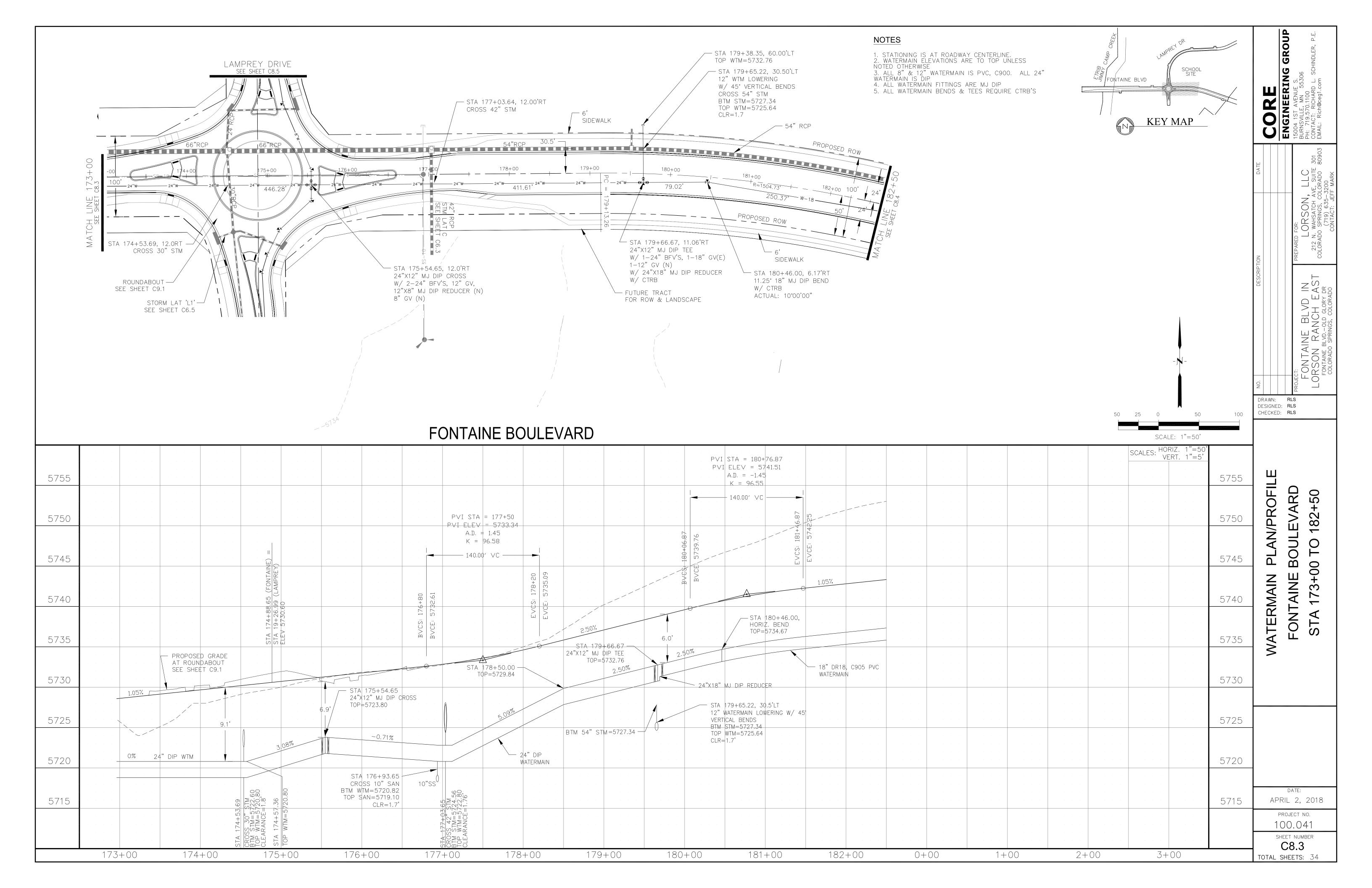


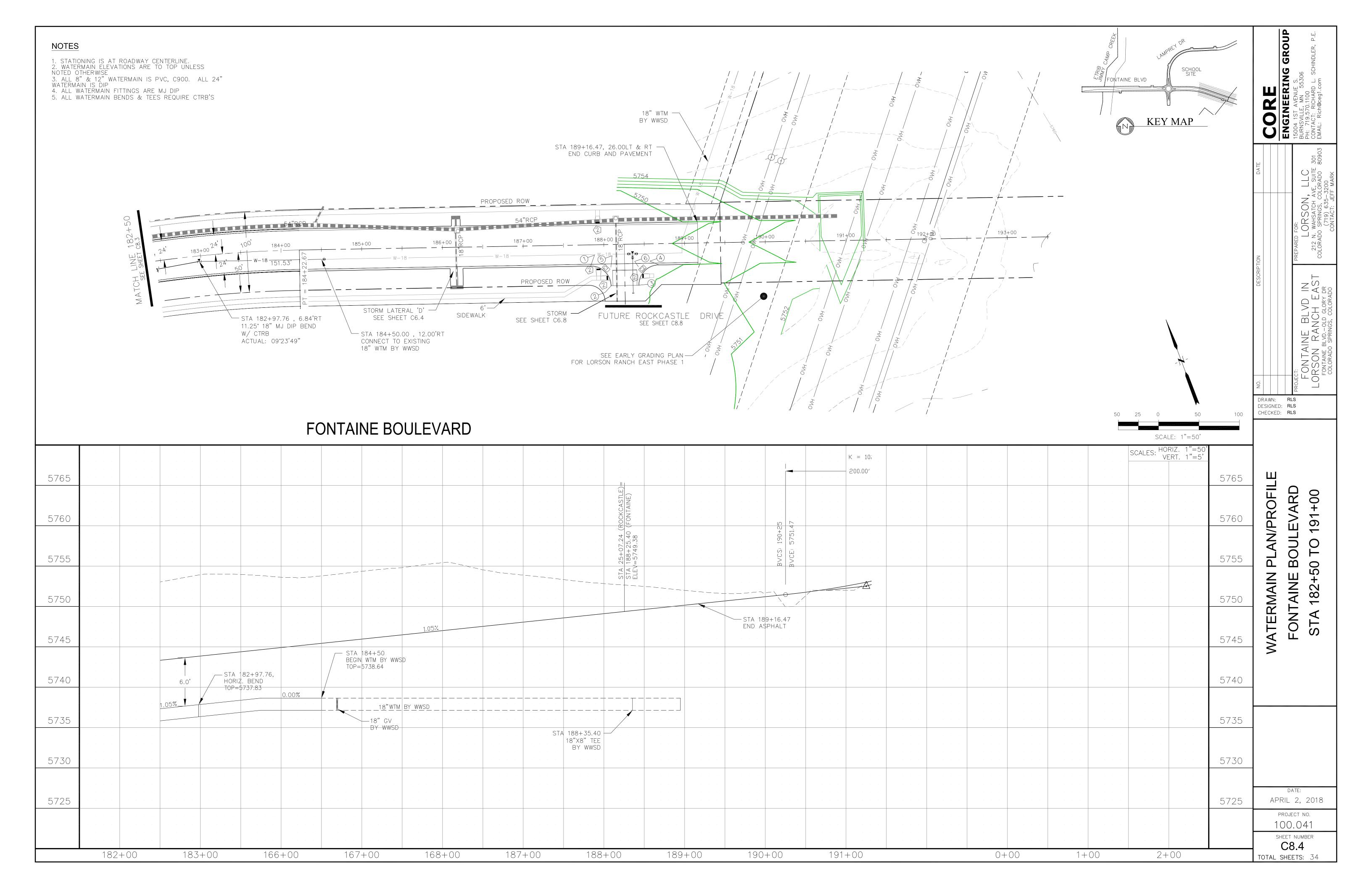


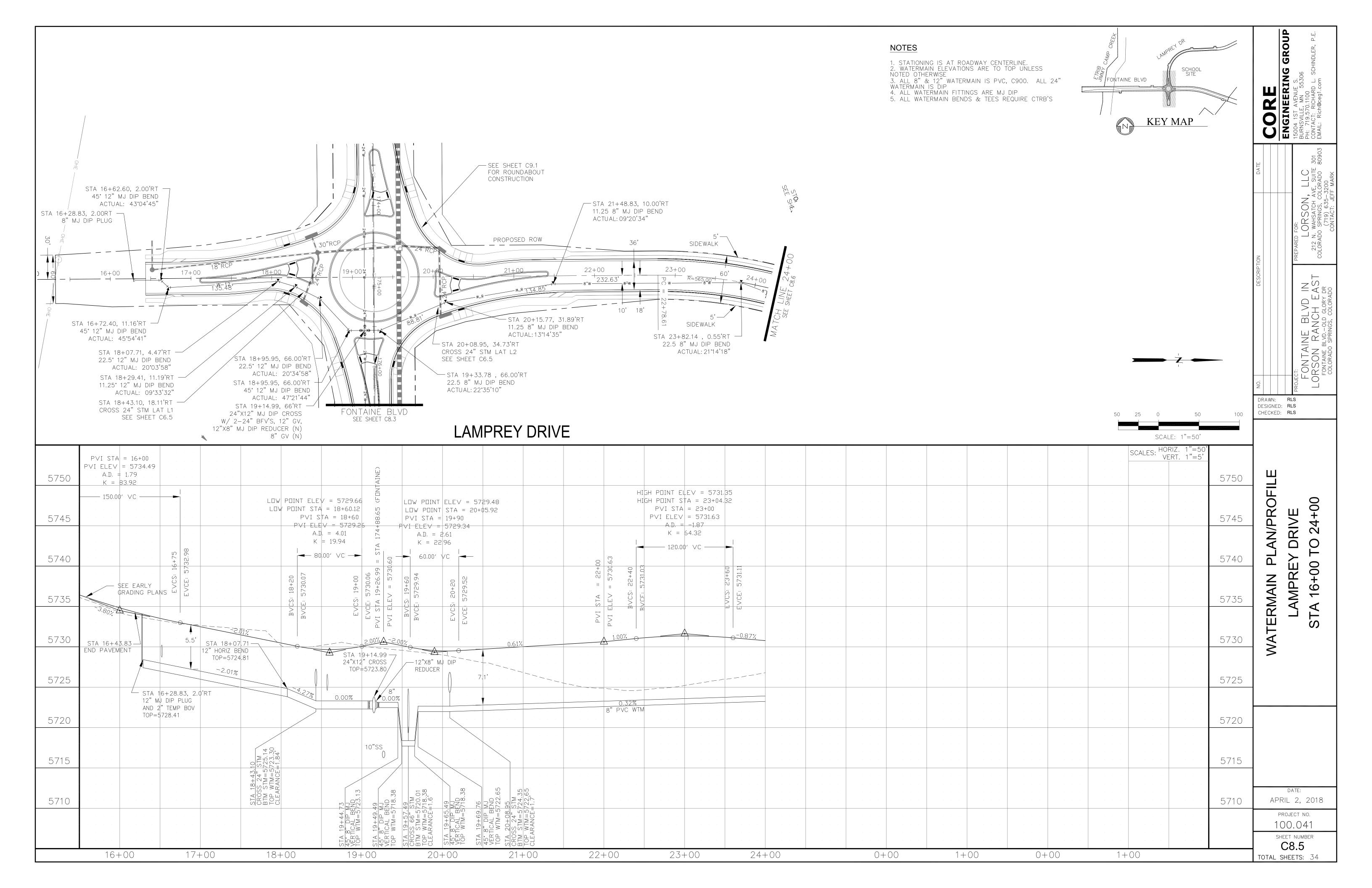


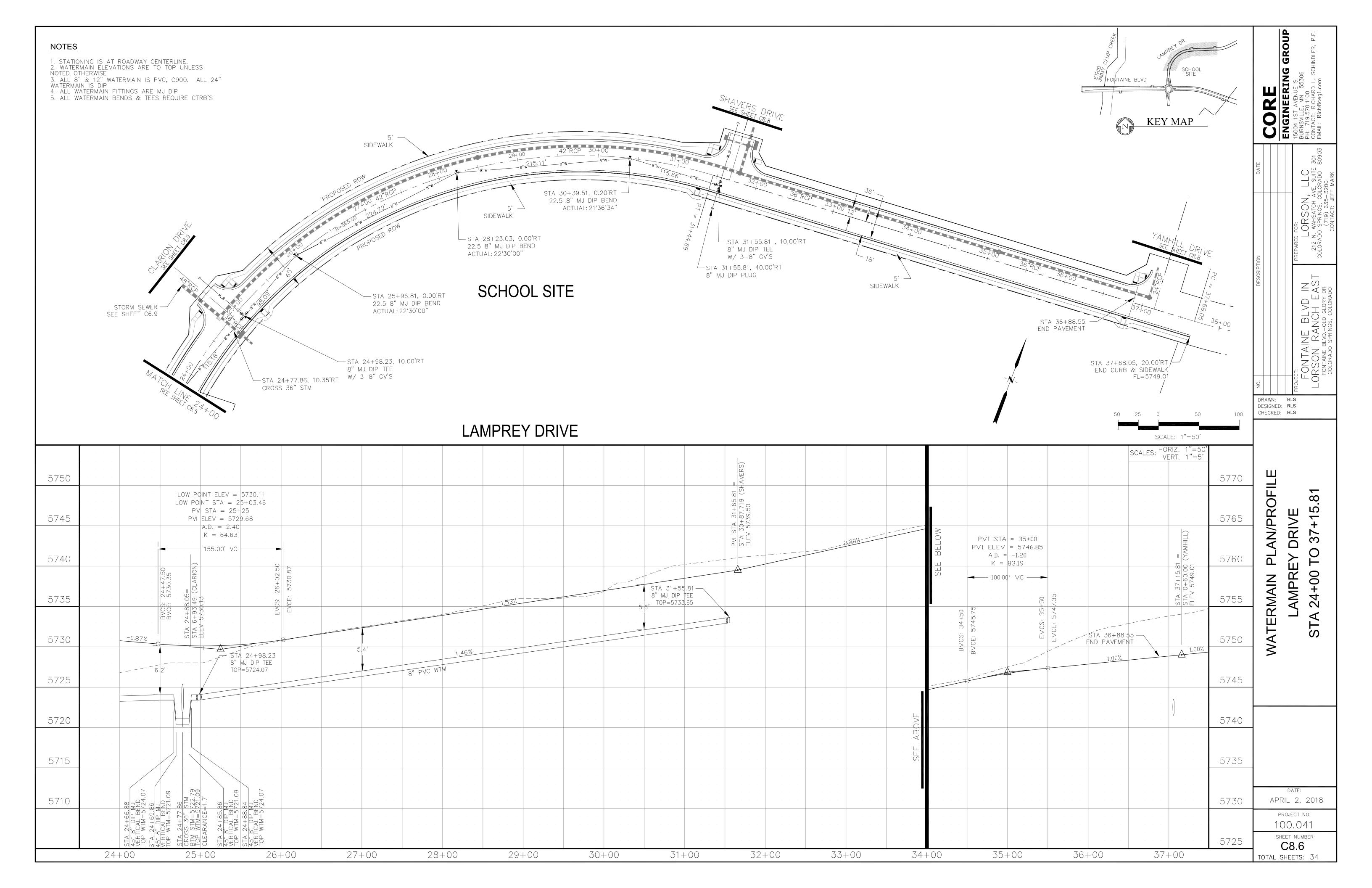


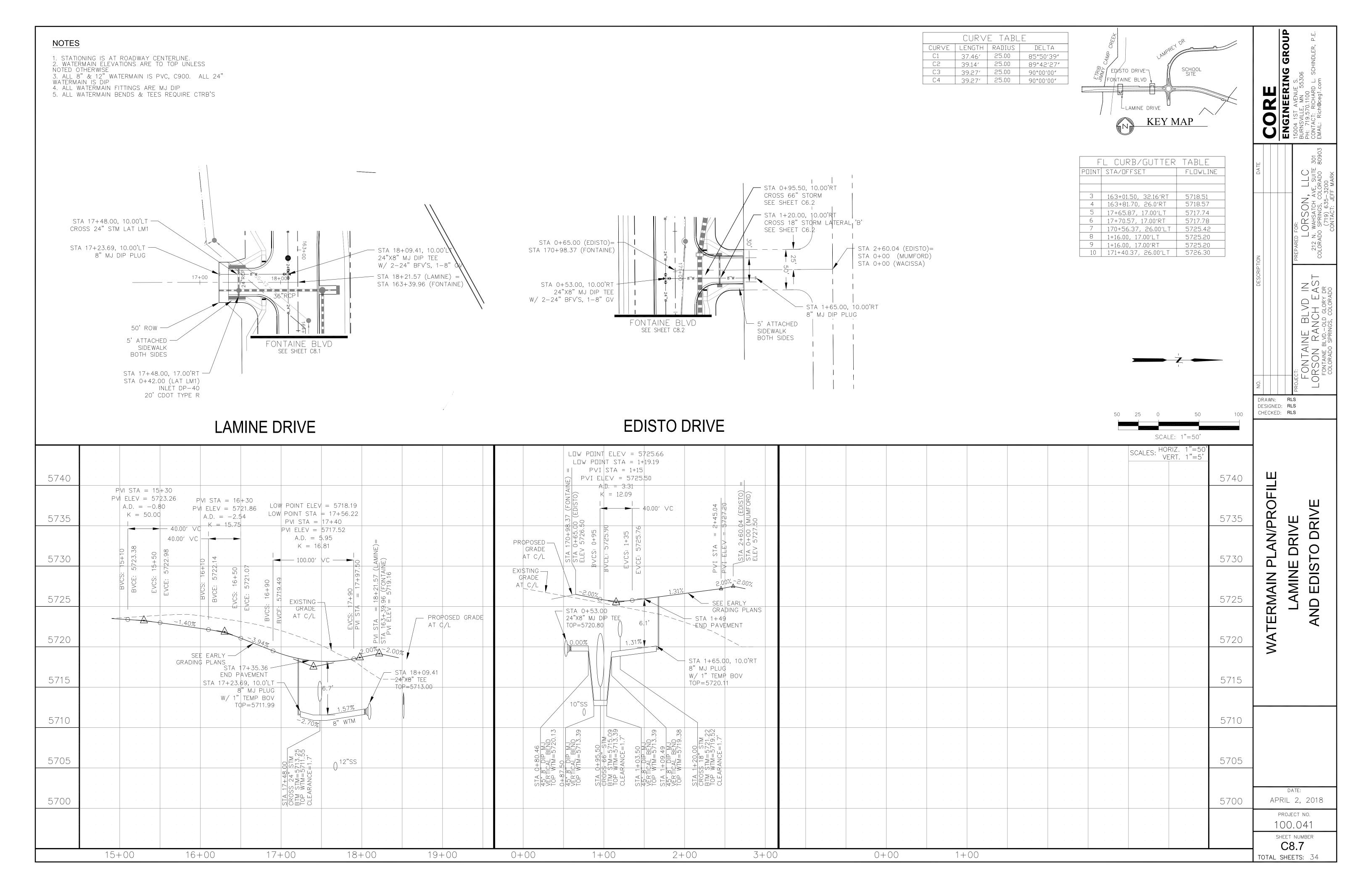


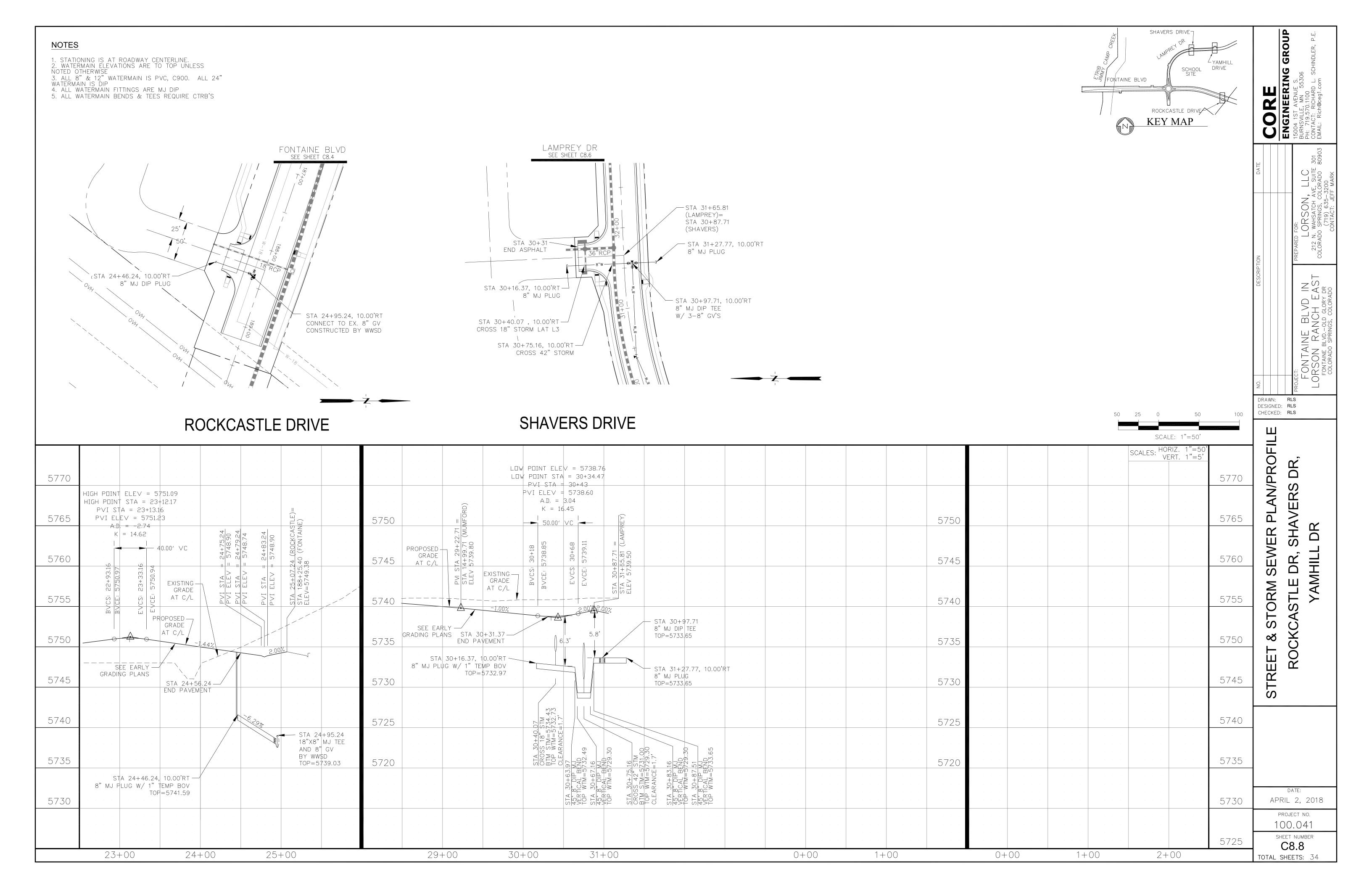


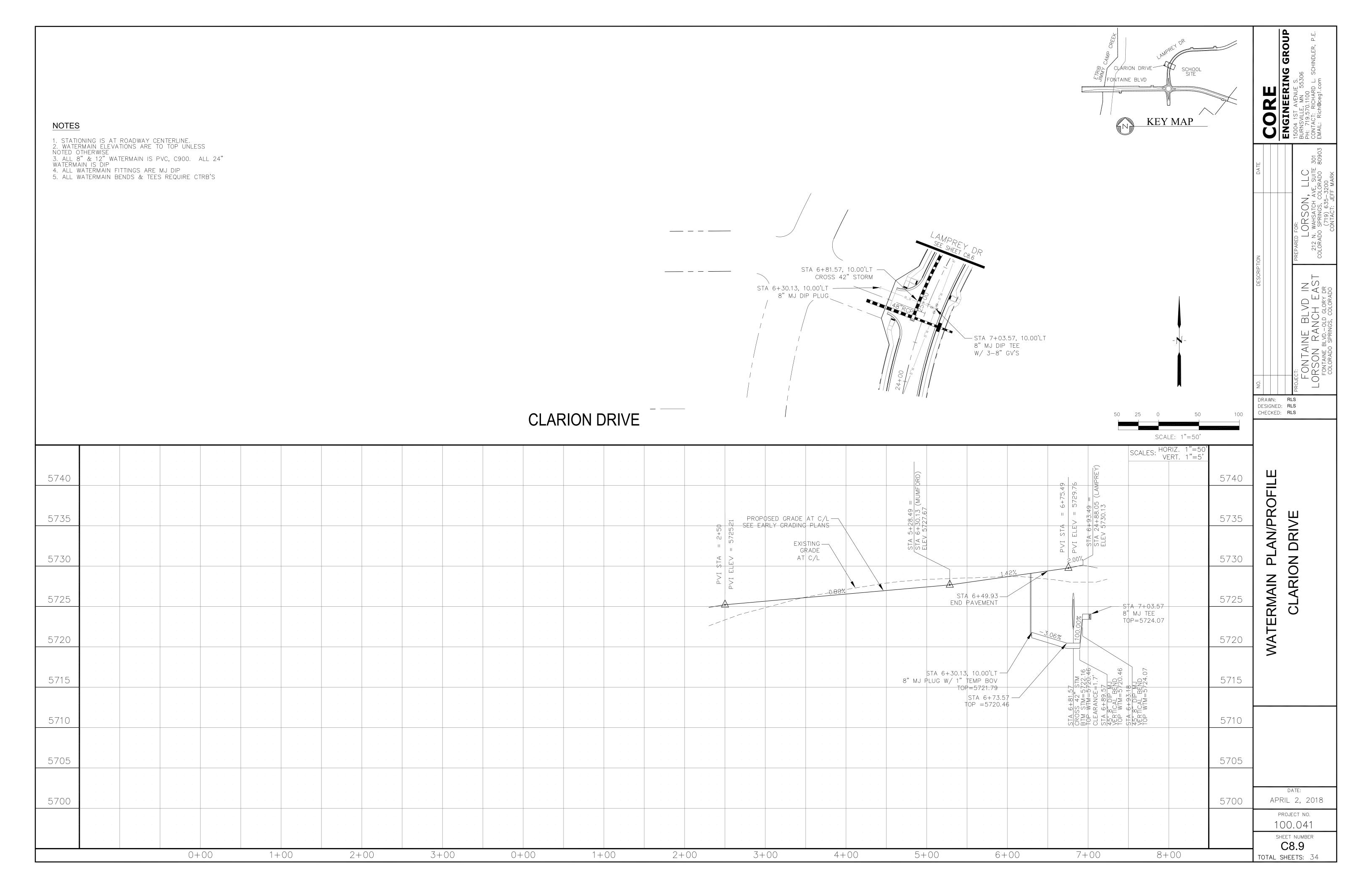


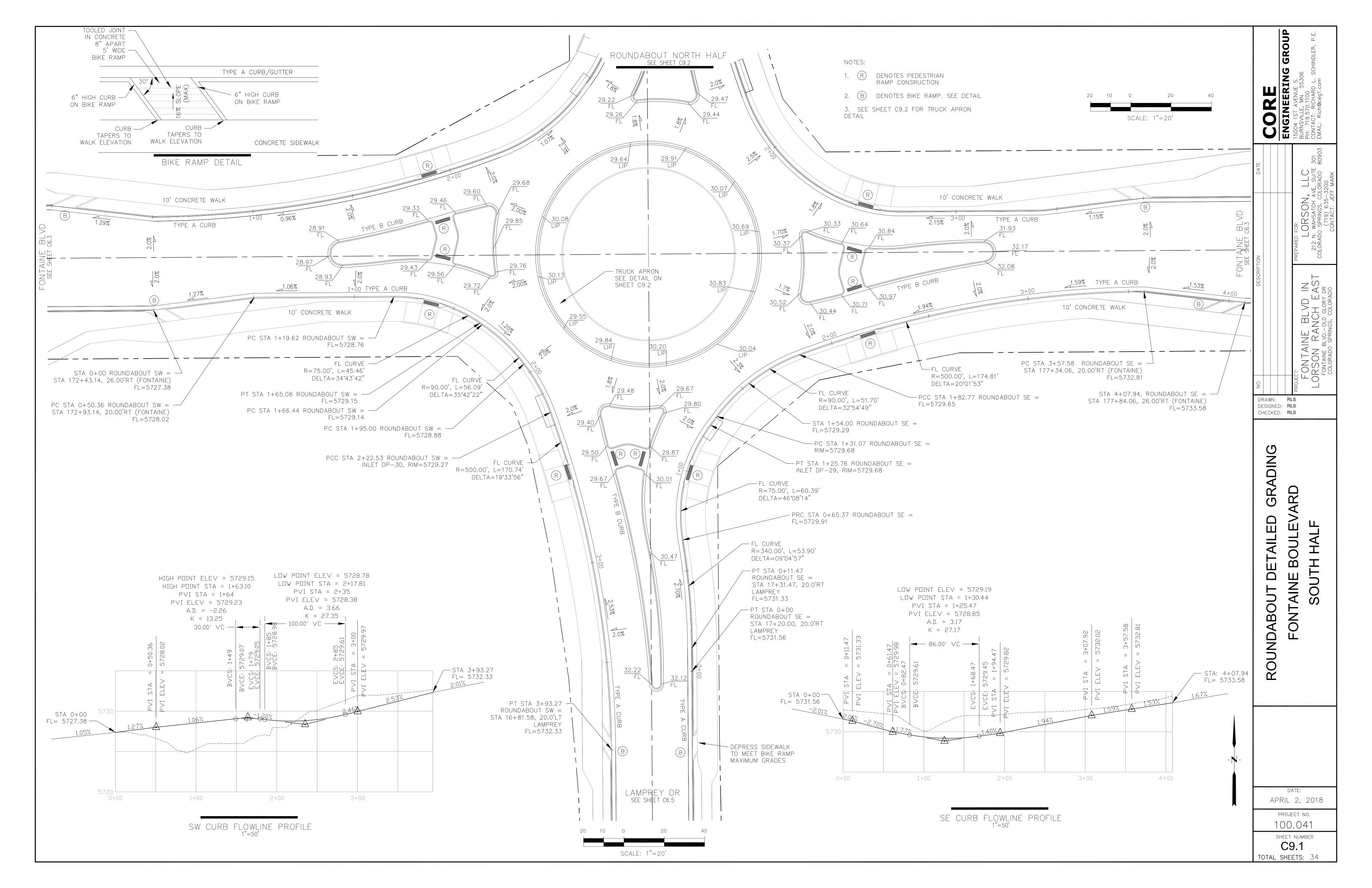


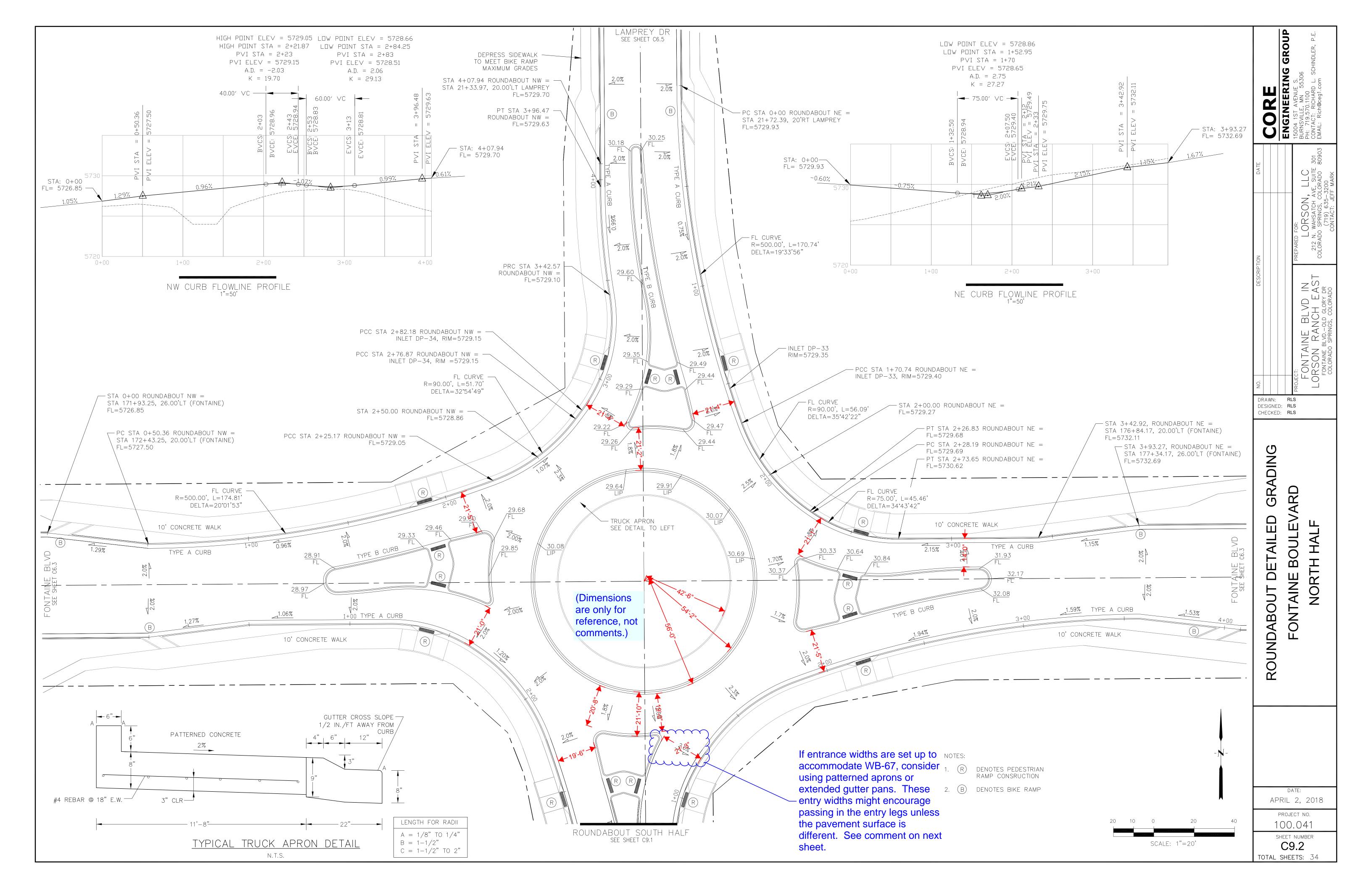


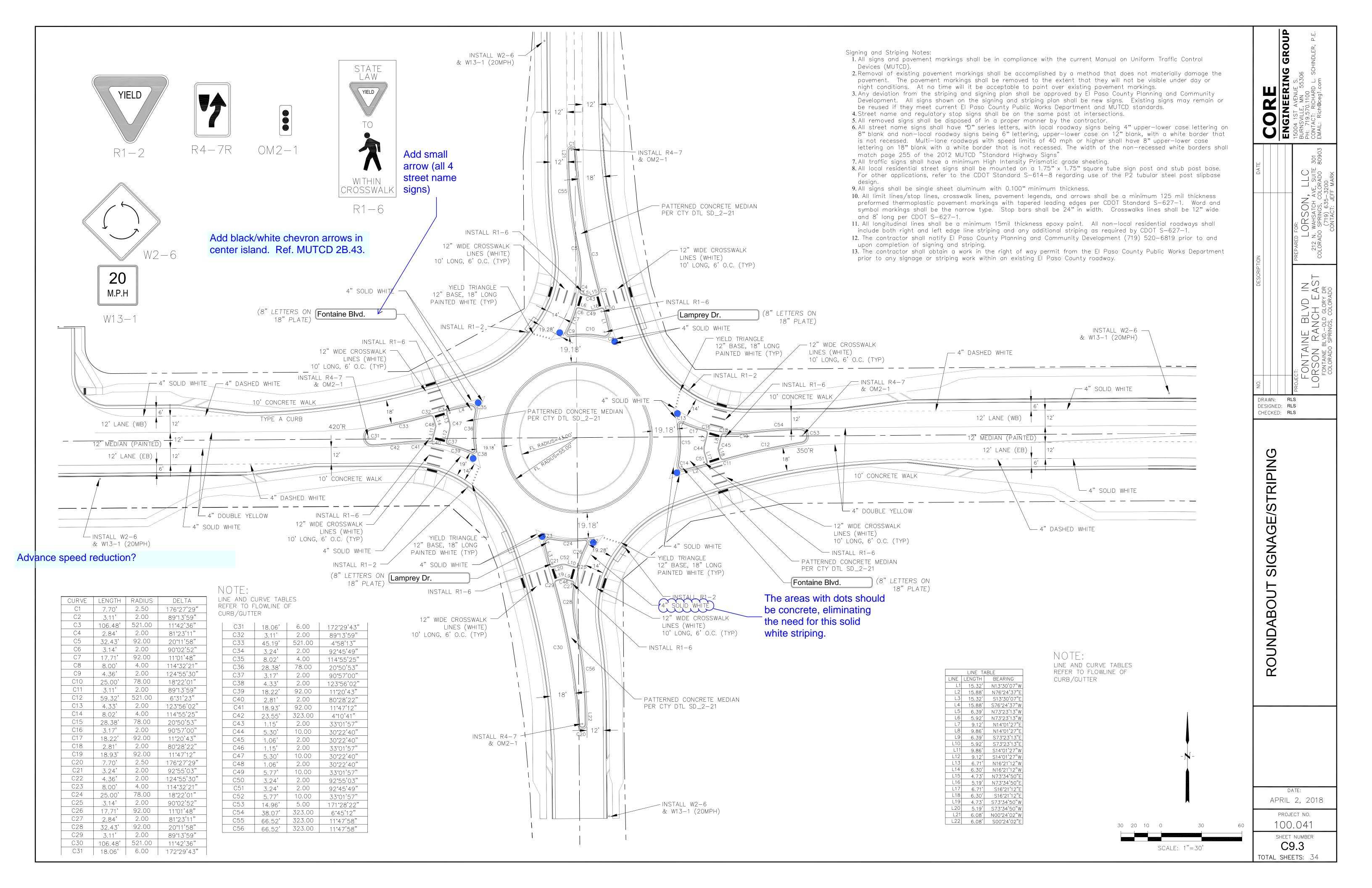


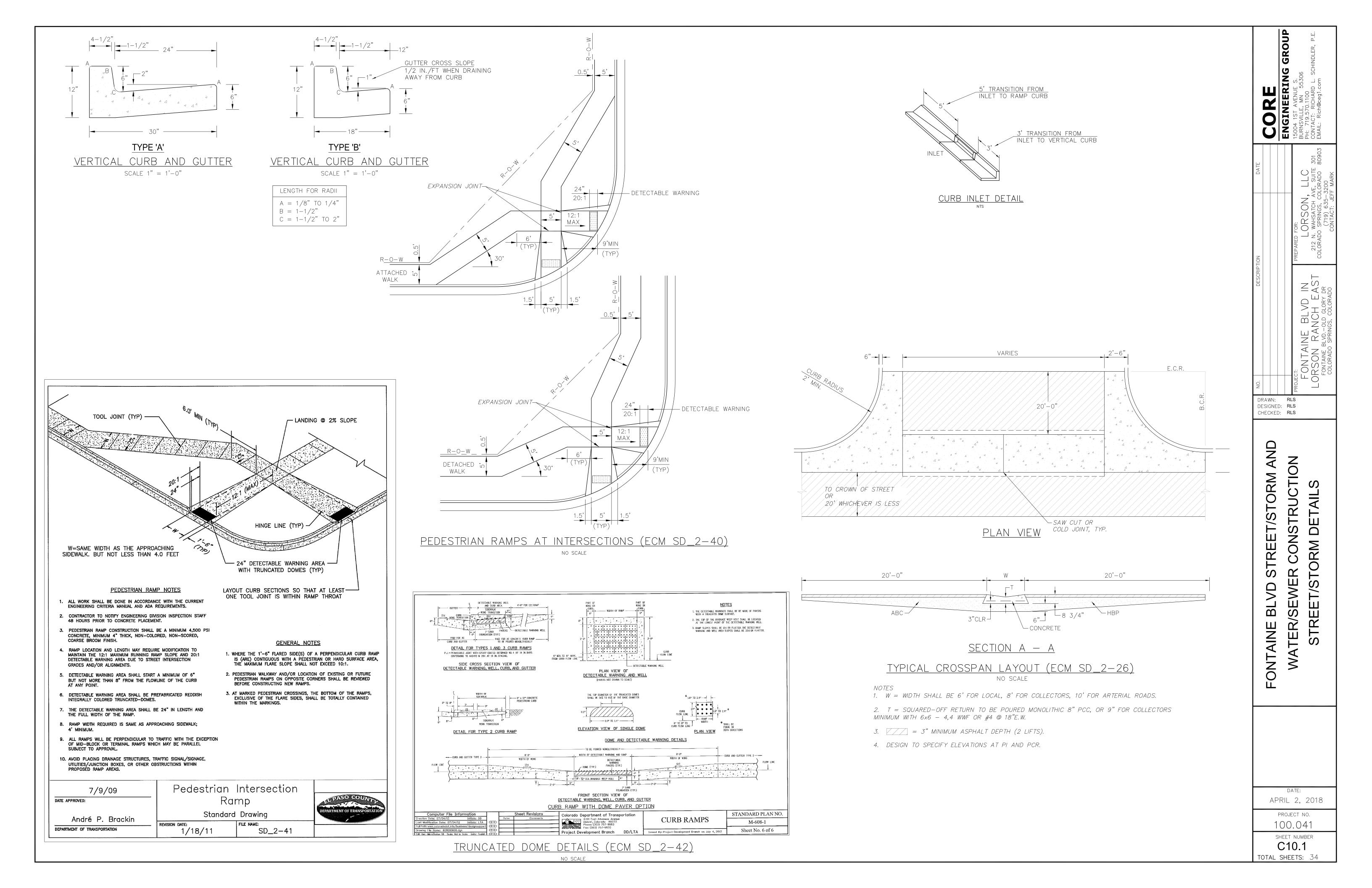


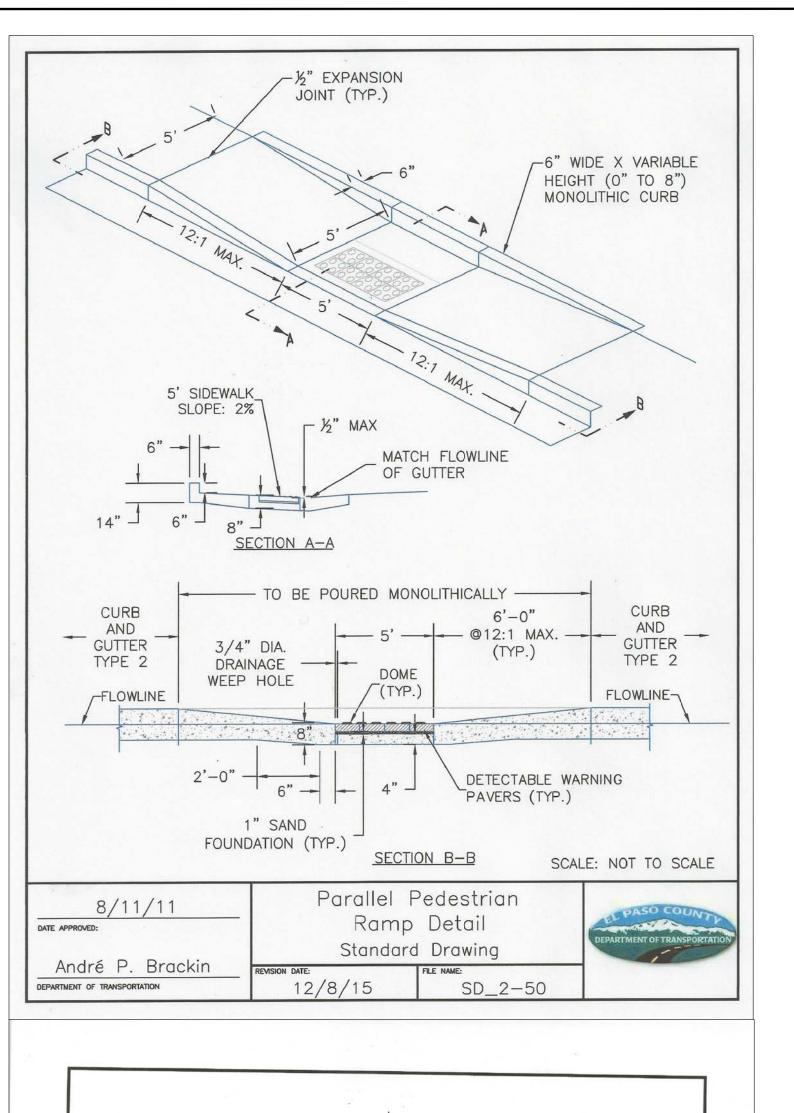


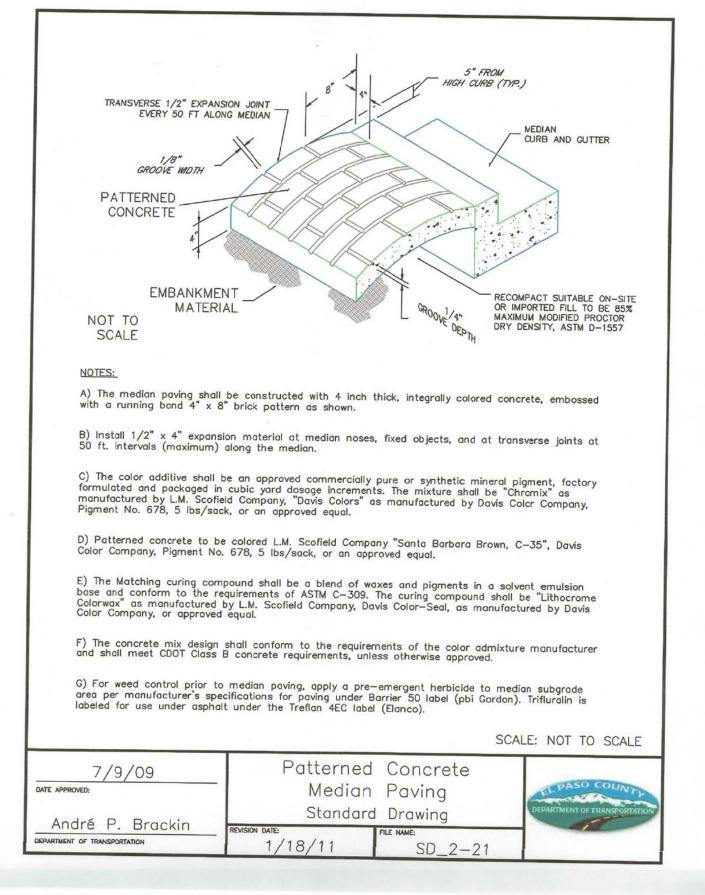












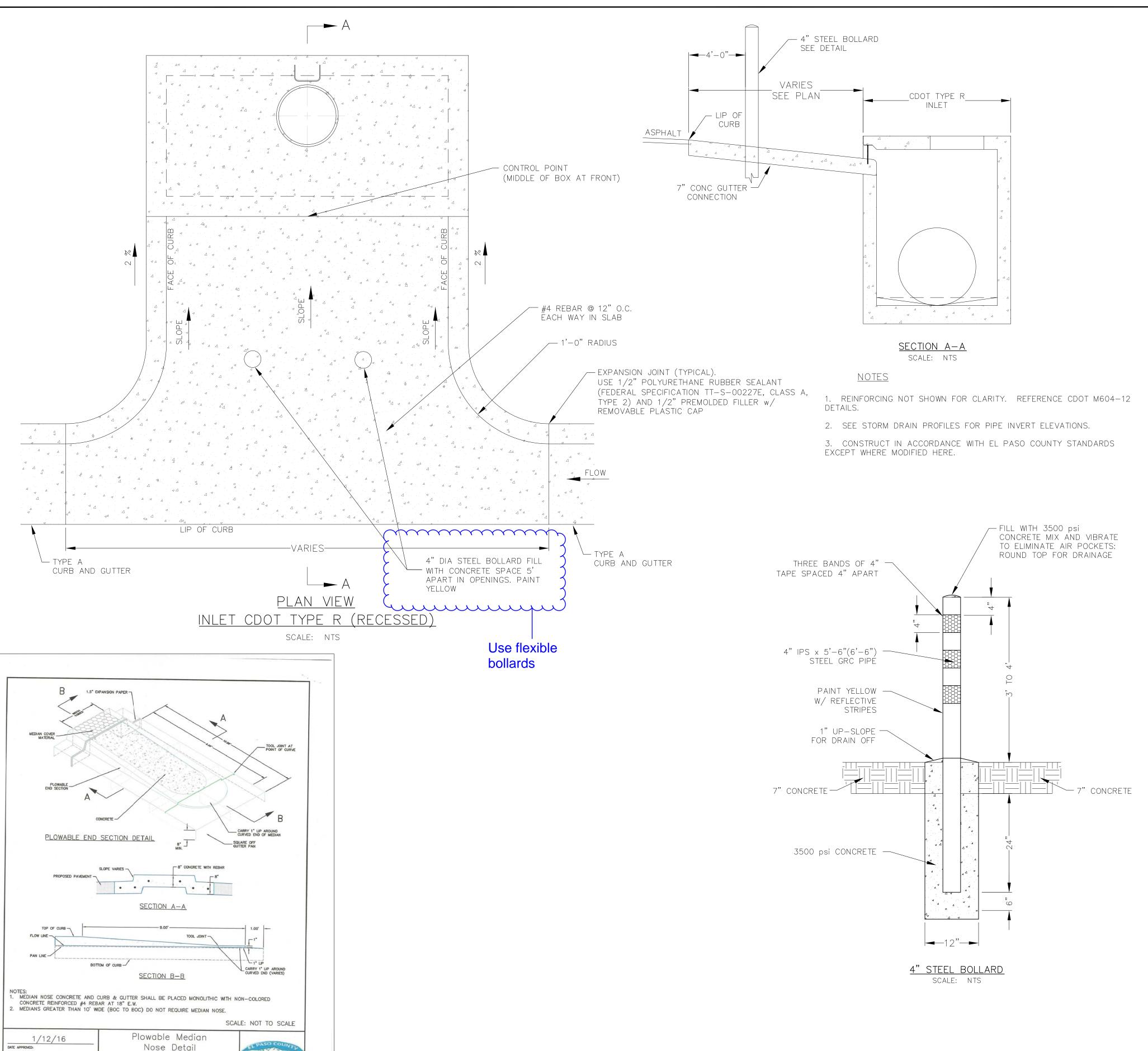
Standard Drawing

SD_2-22

1/12/16

André P. Brackin

PARTMENT OF TRANSPORTATION



CORE

DRAWN: RLS

DESIGNED: RLS

CHECKED: RLS

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WATER/

APRIL 2, 2018

PROJECT NO.

100.041

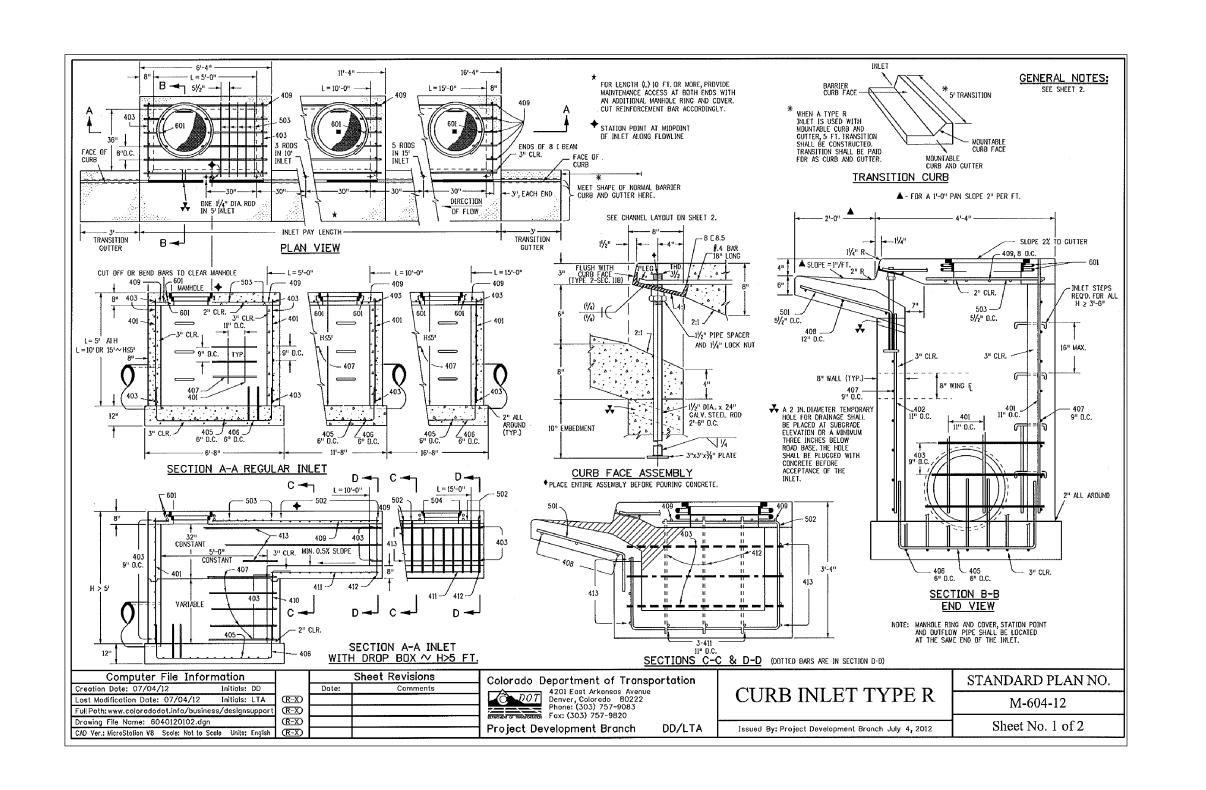
SHEET NUMBER C10.2

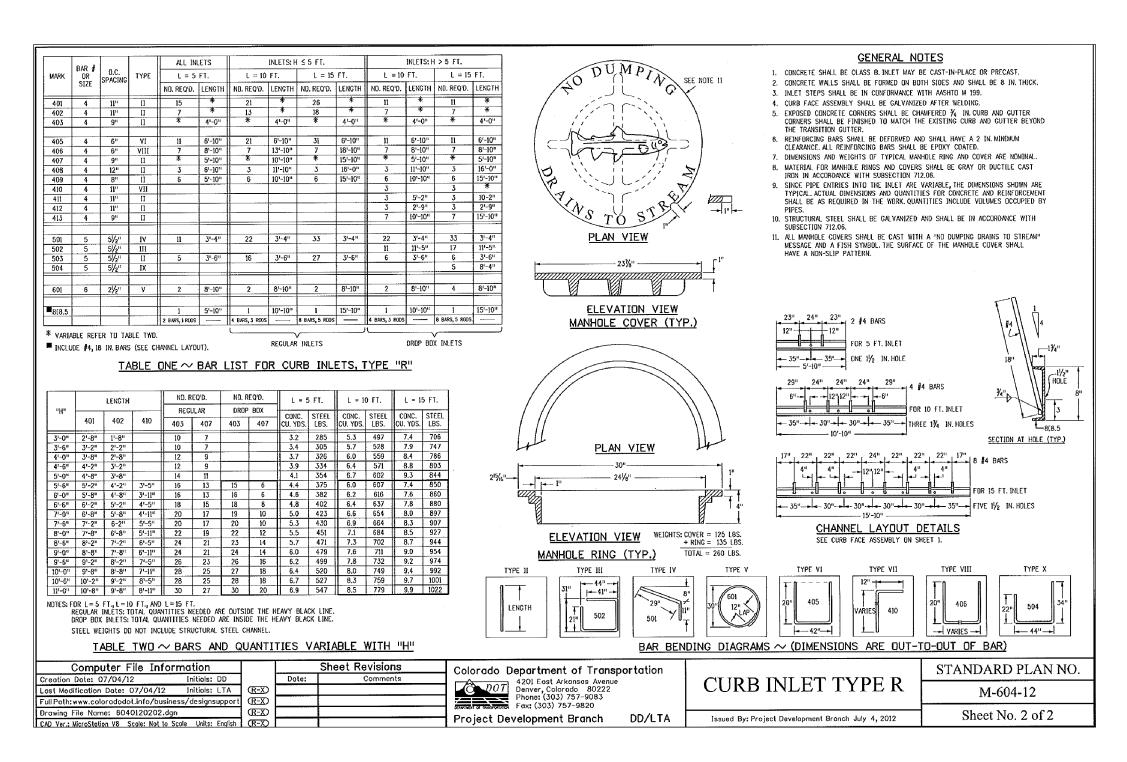
TOTAL SHEETS: 34

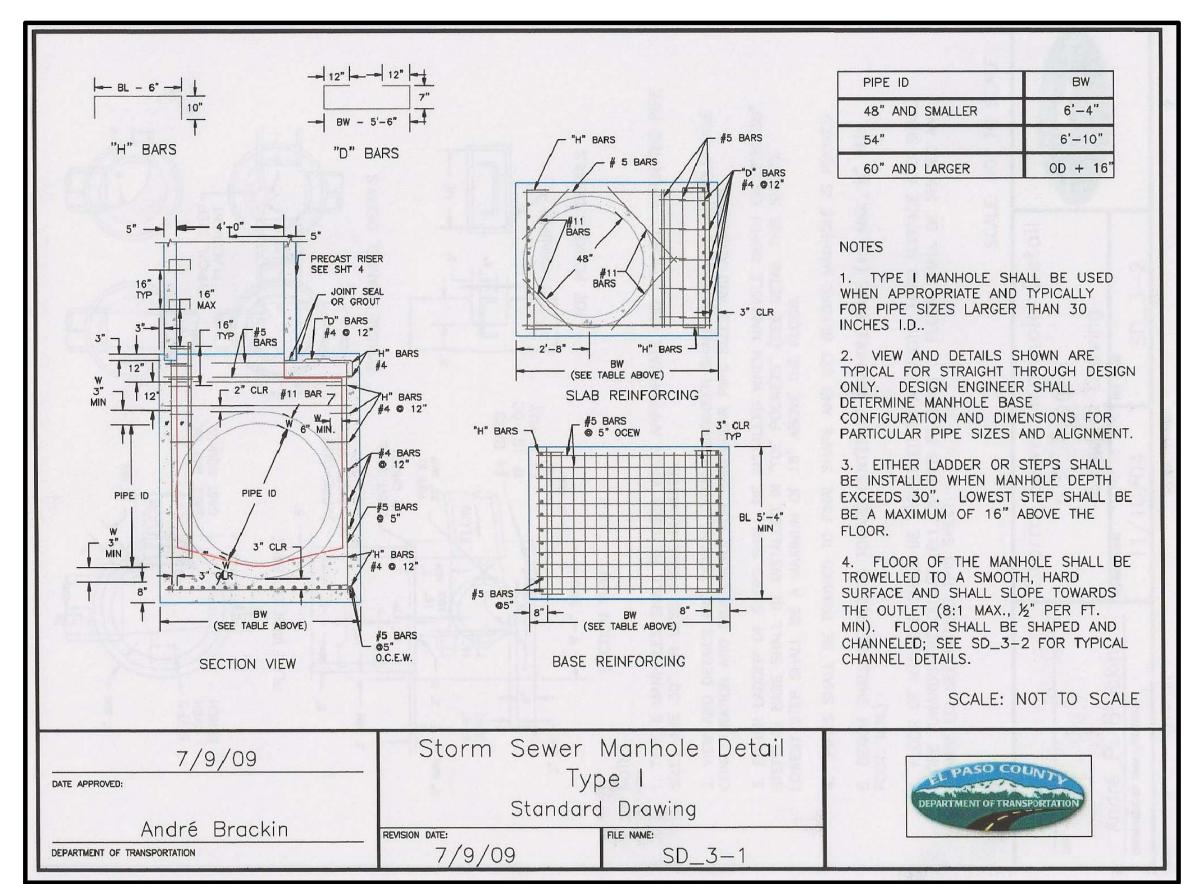
S

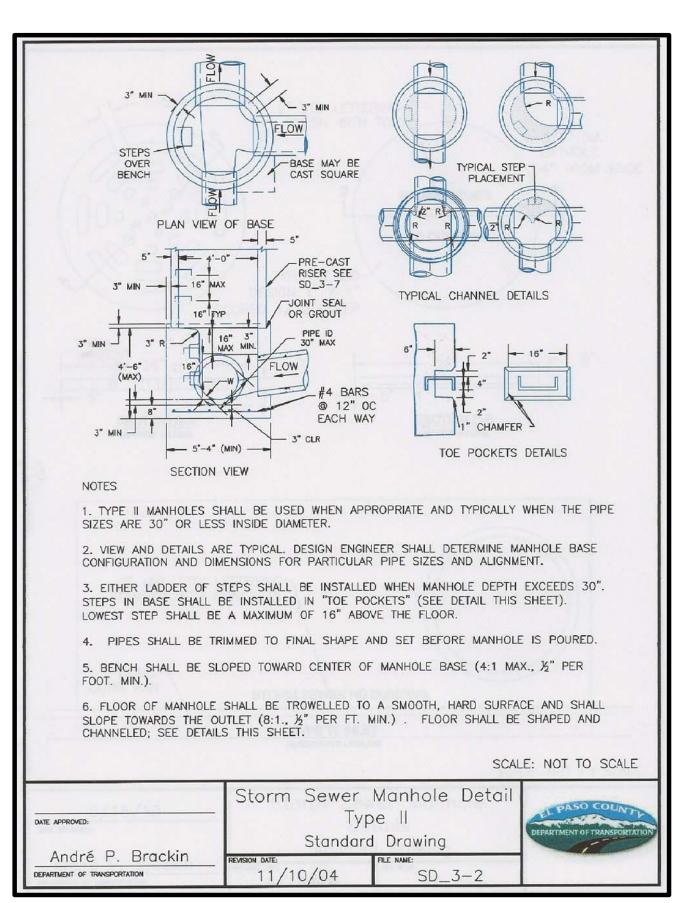
ONTAINE

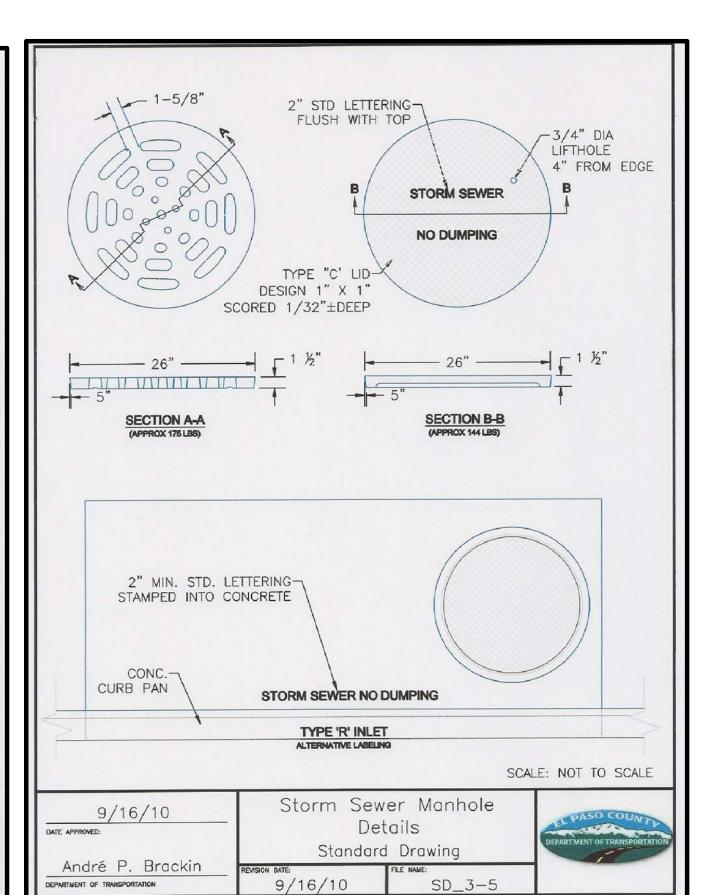
2











| CORADO SPRINGS, COLORADO SOUTO COLORADO SOUTO COLORADO SOUTO COLORADO SPRINGS, COLORADO CONTACT: JEFF MARK

STREET/STORM SE DETAILS

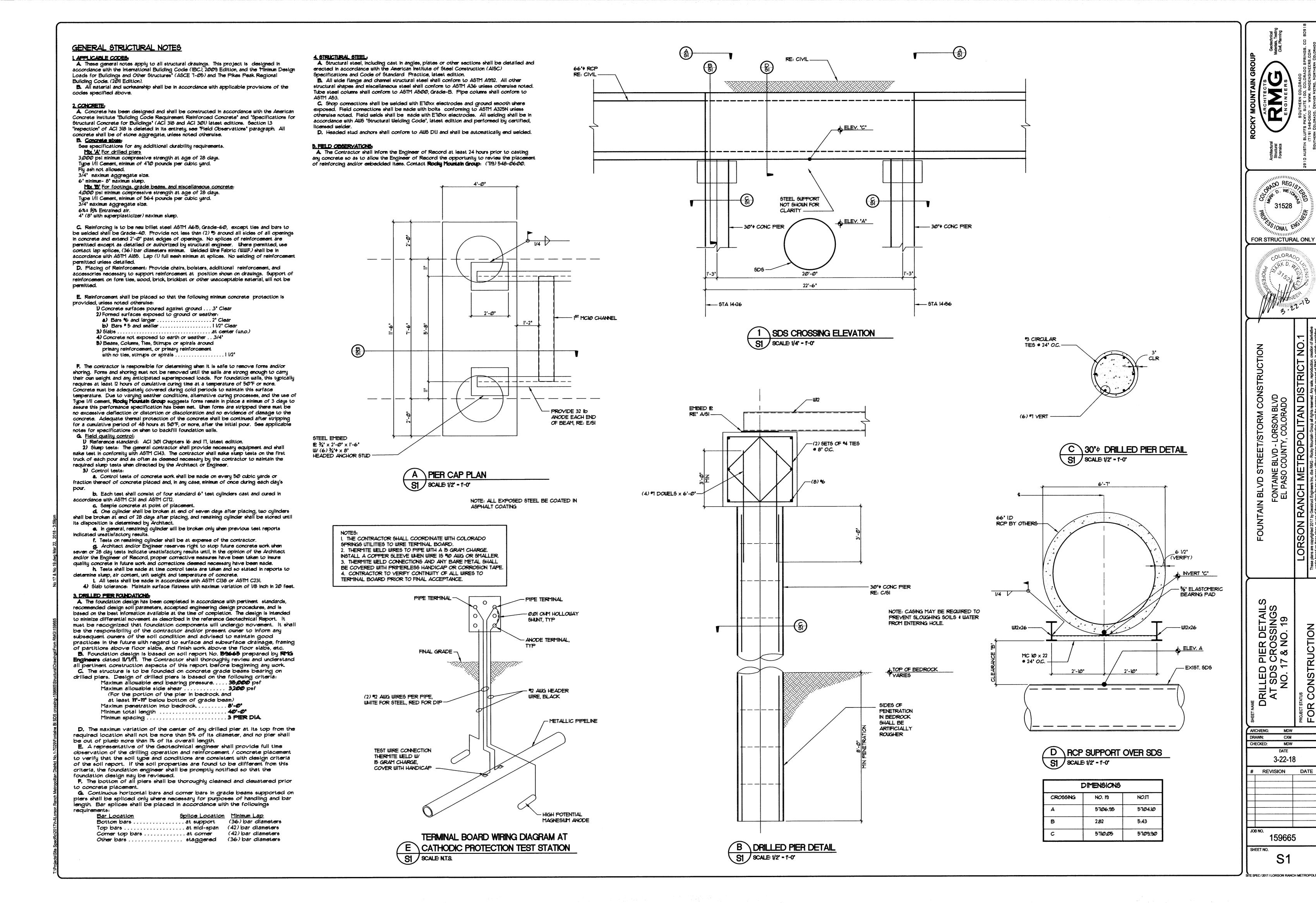
DATE:
APRIL 2, 2018

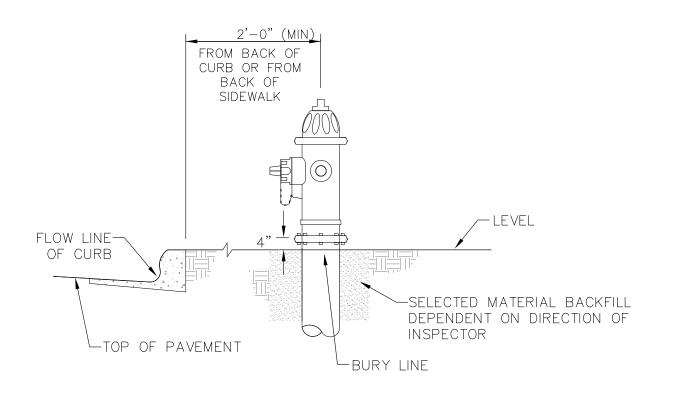
PROJECT NO.
100.041

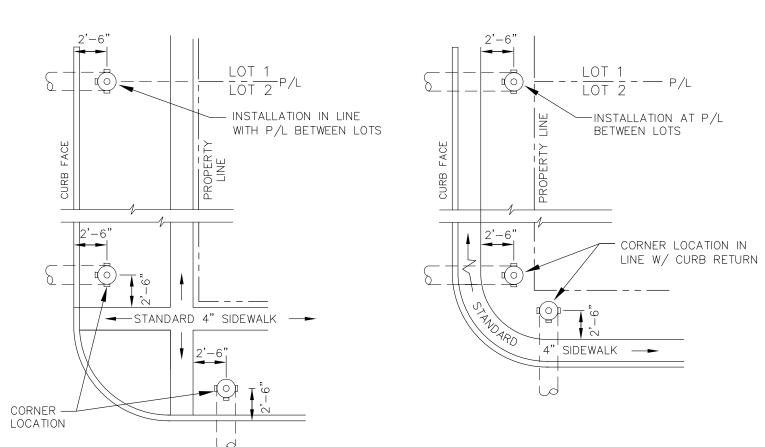
SHEET NUMBER

C10.3

TOTAL SHEETS: 34







DETACHED SIDEWALK LOCATION

ATTACHED SIDEWALK LOCATION

NO SCALE NO SCALE

NOTES

1. HYDRANT NOZZLE SHALL BE POSITIONED AT RIGHT ANGLES TO CURB. IF NO CURB OR SIDEWALK EXIST, NOZZLE SHALL BE PLACED AT RIGHT ANGLE TO STREET OR ALLEY.

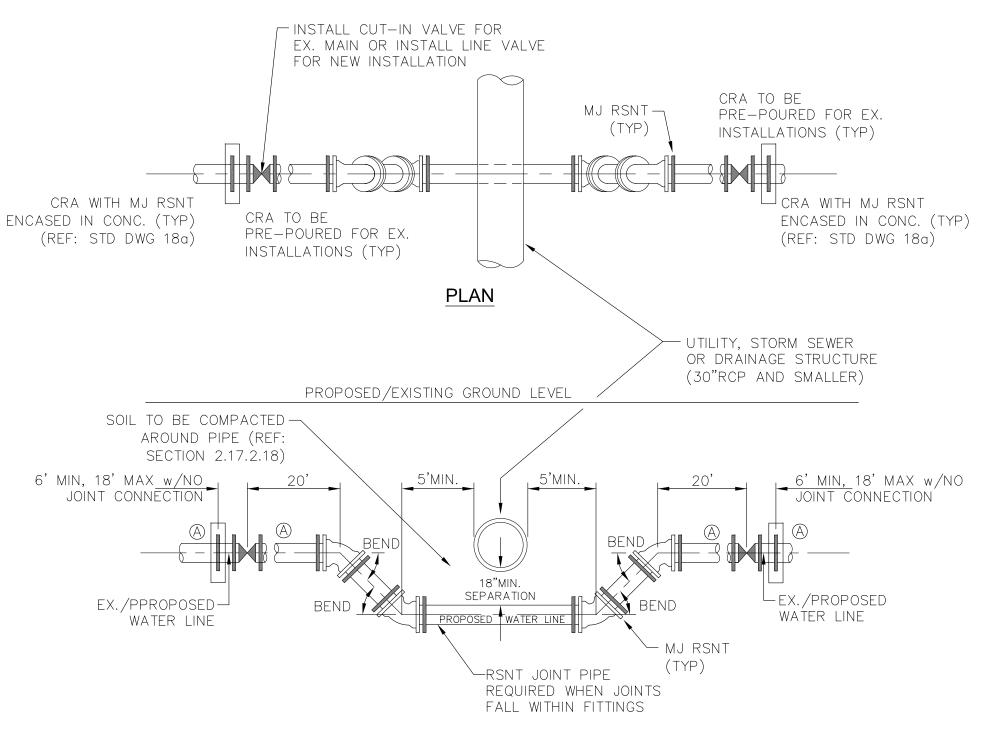
ALL HYDRANTS SHALL BE MEULLER SUPER CENTURION 200.

2. HYDRANTS WILL BE PLACED A MINIMUM OF 5.0 FEET FROM ANY UTILITY OR DRAINAGE STRUCTURE (TO BE CO-ORDINATED WITH JOINT TRENCH INSTALLATION)

3. ANY HYDRANT BEING INSTALLED WITH CONDITIONS OTHER THAN THOSE MENTIONED AND/OR DETAILED BELOW WILL REQUIRE SIGNED APPROVAL FROM SECURITY FIRE PROTECTION DISTRICT.

FIRE HYDRANT LOCATIONS

NO SCALE



BLEVATION 30"RCP AND SMALLER - UTILITY STRUCTURE NO SCALE

GENERAL NOTES

1. D.I.P. PIPE REQUIRED IN LOWERINGS (AT THE DISCRETION OF THE WRD/INSPECTOR PVC PIPE MAYBE APPROVED).

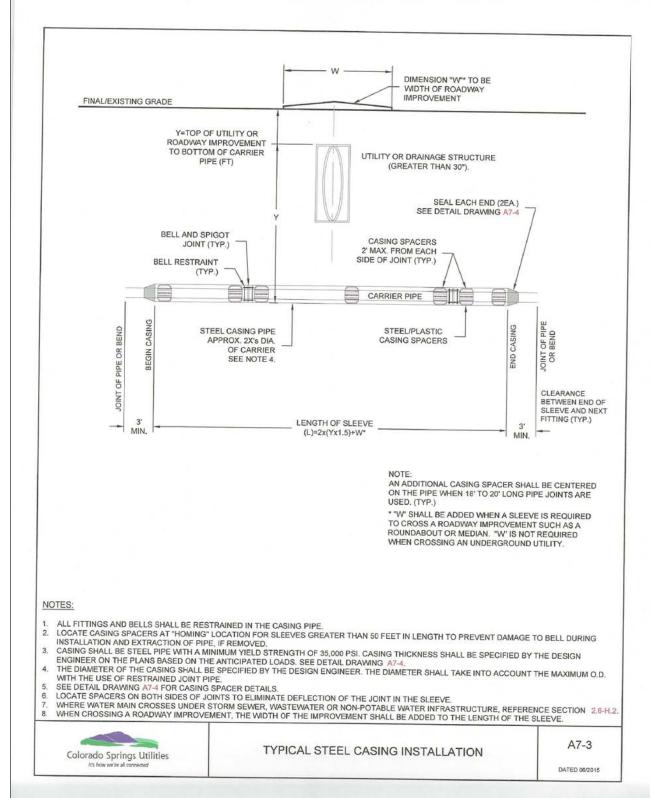
2. A LOWERINGS TO BE CATHODIC PROTECTED UNDER THE DIRECTION OF THE WRD INSPECTOR. (17 lb).

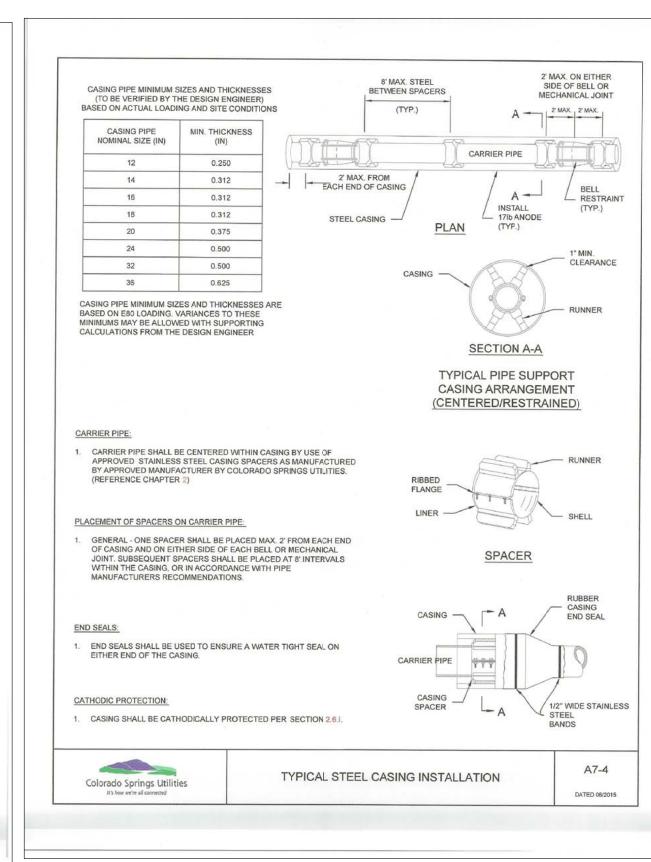
3. ALL FITTINGS SHALL HAVE MJ RSNTS. SEE DRAWINGS NO. 27, 28 & SECTION 5.14 OF THE WRD SPECIFICATIONS.

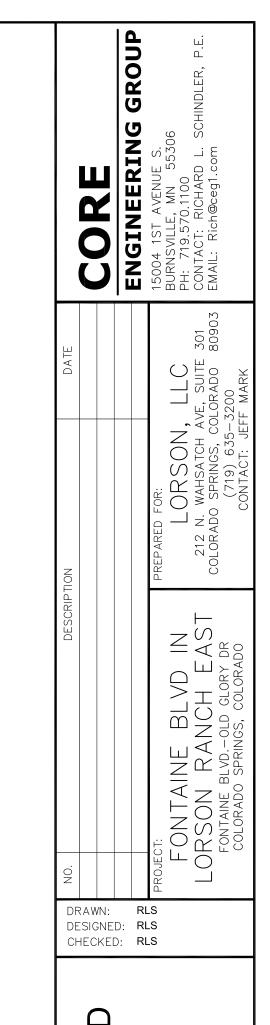
4. EXAMPLE CAN VARY DUE TO SITE CONDITIONS AND INSPECTOR'S DIRECTION'S.

LOWERING DETAIL WITH MJ RSNT FITTINGS AND RSNT JOINT PIPE (w/APPROVAL OF W.R.D.)

(PER CSU STANDARD # 20a) NO SCALE







ONTAINE BLVD STREET/STORM AND
WATER/SEWER CONSTRUCTION
WATERMAIN DETAILS

DATE:
APRIL 2, 2018
PROJECT NO.
100.041

SHEET NUMBER C12.1

TOTAL SHEETS: 34

Markup Summary

Author: dsdrice

Color:

Date: 4/16/2018 9:40:51 AM

dsdrice (34) Subject: Text Box Temporary "No Outlet" sign? INSTALL R2-1 SION 40MPH SPEED LIMIT Page Label: 6 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 9:35:06 AM Color: Subject: Text Box Add pedestrian crossing signage? (check MUTCD) Page Label: 7 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/18/2018 3:16:56 PM Color: Subject: Cloud+ The pipe is coming out of the corner of the box. Page Label: 12 Provide detail/ensure constructability. Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 9:38:52 AM Color: Subject: Length Measurement 21'-2" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 10:16:21 AM Color: Subject: Length Measurement 21'-4" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 10:14:10 AM Color: Subject: Length Measurement 54'-2" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

Status:

Checkmark: Unchecked Author: dsdrice

Date: 4/16/2018 9:40:24 AM

Color:



Subject: Cloud+

Page Label: 28 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/18/2018 10:46:56 AM

Color:

If entrance widths are set up to accommodate WB-67, consider using patterned aprons or extended gutter pans. These entry widths might encourage passing in the entry legs unless the pavement surface is different. See comment on

next sheet.

19'-0"



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

Status:

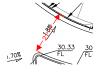
Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 9:40:40 AM

Color:

42'-6"



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 10:15:32 AM

Color:

21'-1"



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 10:14:27 AM

Color:

21'-4"



Subject: Text Box Page Label: 28 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 9:40:24 AM

Color:

(Dimensions are only for reference, not

comments.)

Subject: Length Measurement 19'-6" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 9:42:20 AM Color: **Subject:** Length Measurement 56'-0" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 9:40:24 AM Color: Subject: Length Measurement 21'-3" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 9:42:44 AM Color: Subject: Length Measurement 21'-5" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 10:15:16 AM Color: Subject: Length Measurement 21'-0" Page Label: 28 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/16/2018 10:13:09 AM Color: Subject: Length Measurement 20'-8" Page Label: 28 Lock: Unlocked

Status:

Color:

Checkmark: Unchecked

Date: 4/16/2018 9:40:24 AM

Author: dsdrice



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

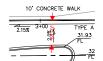
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Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 10:16:43 AM

Color:



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

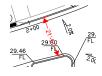
Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 10:15:46 AM

Color:

Status:



Subject: Length Measurement

Page Label: 28 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 10:14:01 AM

Color:



Subject: Text Box Page Label: 29

Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/18/2018 12:51:09 PM

Color:



Subject: Highlight Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:43 PM

Color:



Subject: Cloud+ Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked Author: dsdrice

Date: 4/16/2018 2:59:05 PM

Color:

21'-10"

14'-0"

21'-5"

.....

Add black/white chevron arrows in center island.

Ref. MUTCD 2B.43.

The areas with dots should be concrete, eliminating the need for this solid white striping.



Subject: Highlight Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:35 PM

Color:



Subject: Highlight Page Label: 29 Lock: Unlocked Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:49 PM

Color:



Subject: Highlight Page Label: 29 Lock: Unlocked Status:

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:45 PM

Color:



Subject: Highlight Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:33 PM

Color:



Subject: Text Box Page Label: 29

Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:55:59 PM

Color:



Advance speed reduction?

Subject: Highlight Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:31 PM

Color:



Subject: Highlight Page Label: 29

Lock: Unlocked

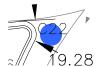
Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:52 PM

Color:



Cukinati Highlight

Subject: Highlight Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/16/2018 2:56:37 PM

Color:



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Subject: Callout Page Label: 29 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/18/2018 2:53:49 PM

Color:



Subject: Cloud+ Page Label: 31 Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 4/17/2018 10:28:51 AM

Color:

Use flexible bollards

Add small arrow (all 4 street name signs)