

CONSTRUCTION PLANS  
FOR  
**HILLSIDE AT LORSON RANCH**  
SANITARY SEWER AND WATERMAIN  
CONSTRUCTION PLANS



Know what's below.  
Call before you dig.

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

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
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C3.1-C3.4	UTILITY SERVICE PLAN
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C12.1	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 [Signature] DATE AUG 11, 2022  
Lorson, LLC

TITLE AUTHORIZED SIGNING AGENT

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

**FIRE DISTRICT APPROVAL**

THE NUMBER OF FIRE HYDRANTS AND HYDRANT LOCATIONS TOGETHER WITH THE MAIN SIZES INDICATED ON THIS WATER INSTALLATION PLAN ARE ADEQUATE TO SATISFY THE REQUIREMENTS OF THE SECURITY FIRE PROTECTION DISTRICT'S FIRE AND RESCUE DEPARTMENT. THIS APPROVAL IS BASED ON THE INFORMATION IN THESE PLANS, SPECIFICATIONS AND SUPPLEMENTAL INFORMATION PROVIDED BY THE DESIGN ENGINEER WHOSE SIGNATURE APPEARS IN THESE PLANS, AND THE WIDEFIELD WATER AND SANITATION DISTRICT.

SIGNED [Signature] DATE 8-22-22  
BY FIRE PROTECTION CHIEF OR COORDINATOR

**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.

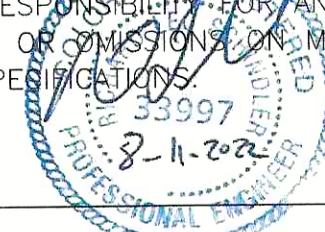
FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUALS VOLUME 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED. IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE 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.



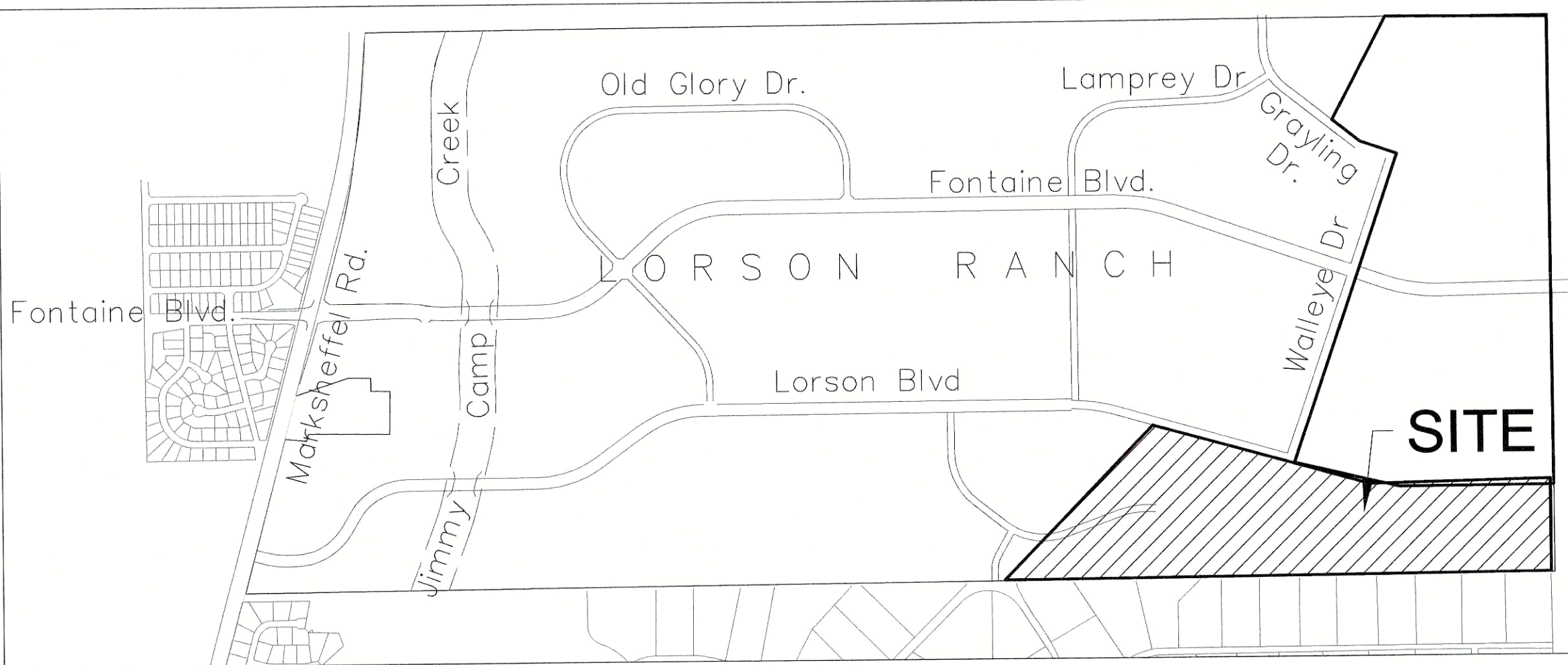
JOSHUA PALMER, P.E. COUNTY ENGINEER/ECM ADMINISTRATOR DATE  
CONDITIONS: APPROVAL OF THESE PLANS IS ONLY FOR UTILITY CONSTRUCTION, NOT ROADS AT THIS TIME

**ENGINEER'S APPROVAL**

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



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



VICINITY MAP  
NO SCALE



KEY MAP  
NO SCALE

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

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

**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°15'2" 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.

**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.

WIDEFIELD WATER AND SANITATION DISTRICT  
WATER DESIGN APPROVAL

DATE [Signature] BY 8/22/2022

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

**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  
WATER DESIGN APPROVAL

DATE [Signature] BY 8/22/2022

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

PUDSP-22-001

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

DATE: \_\_\_\_\_  
DESCRIPTION: \_\_\_\_\_  
NO. \_\_\_\_\_

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

PROJECT:  
**HILLSIDE AT LORSON RANCH**  
LORSON BLVD. & WALLEYE DR.  
COLORADO SPRINGS, COLORADO

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

**HILLSIDE AT LORSON RANCH  
SANITARY / WATERMAIN  
CONSTRUCTION PLANS**

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
**C1.1**

TOTAL SHEETS: 45



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. 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.
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 (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.
7. 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 PAVEMENT SUBGRADES ARE BASED ON THE COMPOSITE ASPHALT PAVEMENT RECOMMENDATIONS MADE IN THE "GEOTECHNICAL STUDY" FOR LORSON RANCH.

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 9 LB. MAGNESIUM ANODES AT EVERY FITTING.
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 DEPARTMENT MANAGER AND/OR JASON DREESEN, WASTEWATER DEPARTMENT MANAGER OF THE WIDEFIELD WATER AND SANITATION DISTRICT AT 719–955–0548 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

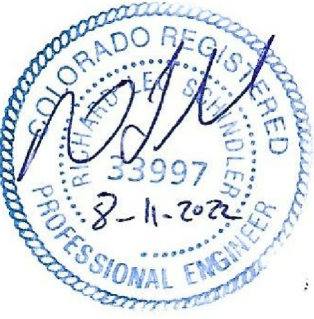
WIDEFIELD WATER AND SANITATION DISTRICT UTILITY CONSTRUCTION NOTES

1. ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE CATHODIC PROTECTION AND 9 LB MAGNESIUM ANODES AT EVERY FITTING.
2. ALL FIRE HYDRANTS SHALL BE GUARDIAN K–81D HYDRANT KENNEDY VALVE OR AMERICAN AVK SERIES 2700, (MODERN)

UNDERDRAIN CONSTRUCTION NOTES

1. SUMP PUMP DISCHARGES FROM HOUSES MUST DISCHARGE TO UNDERGROUND UNDERDRAIN LATERALS, OPEN SPACE, PONDS, OR SWALES AND ARE NOT ALLOWED TO FLOW OVER PUBLIC SIDEWALK OR CURB/GUTTER.
2. ALL PVC UNDERDRAIN MAINS SHALL BE 4" PVC, SDR 35.
3. UNDERDRAIN LATERALS SHALL BE 3" PVC, SDR 35
4. UNDERDRAIN CLEANOUT BOXES ON THE MAINS SHALL BE A CAST IRON TWO PIECE HEAVY DUTY VALVE BOX MANUFACTURED BY STAR PIPE PRODUCTS OR APPROVED EQUAL. THE TOP PIECE SHALL BE 16" TALL AND THE BOTTOM PIECE SHALL BE 36" TALL.
5. PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
6. ALL FITTINGS SHALL BE DUCTILE IRON –MECHANICAL JOINT AND HAVE 1 LB. MAGNESIUM ANODES AT EVERY FITTING.
7. 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.
8. THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL TIE–INS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE FIELD VERIFIED INFORMATION PRIOR TO CONSTRUCTION.
9. ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
10. 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 THE CONTRACTOR AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.

HILLSIDE AT LORSON RANCH  
SANITARY SEWER / WATERMAIN  
NOTES



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C1.2

TOTAL SHEETS: 45

PROJECT:  
HILLSIDE AT LORSON RANCH  
LORSON BLVD. – WALLEYE DR  
COLORADO SPRINGS, COLORADO

PREPARED FOR:  
LORSON, LLC  
212 N. WABSAATCH AVE. SUITE 301  
COLORADO SPRINGS, COLORADO 80903

CONTACT: JEFF MARK

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

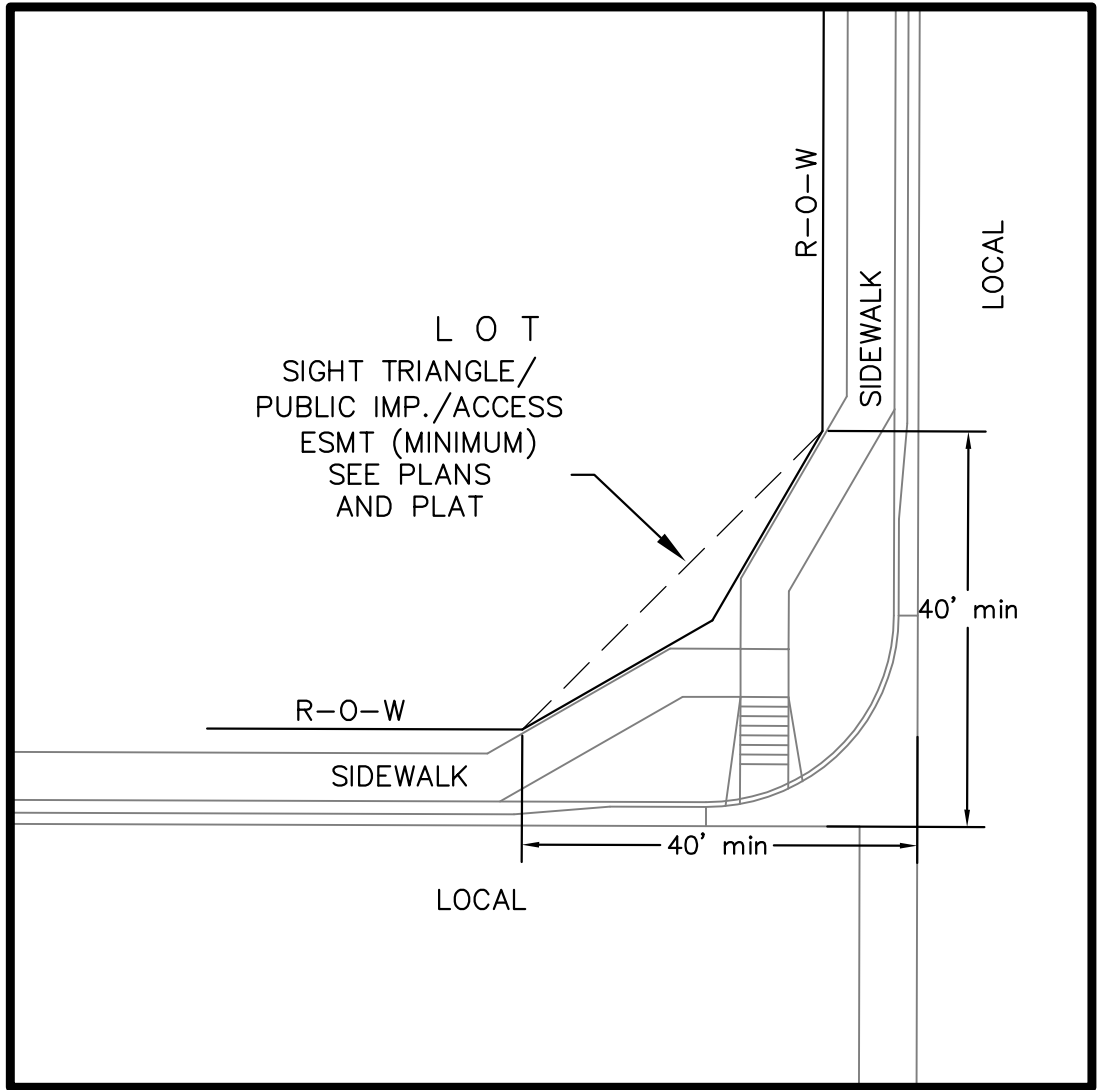
CORE  
ENGINEERING GROUP  
15004 1ST AVENUE S.  
BURNSVILLE, MN 55306  
PH: 719.570.1100  
CONTACT: RICHARD L. SCHINDLER, P.E.  
EMAIL: Rich@cegi.com

DATE

DESCRIPTION

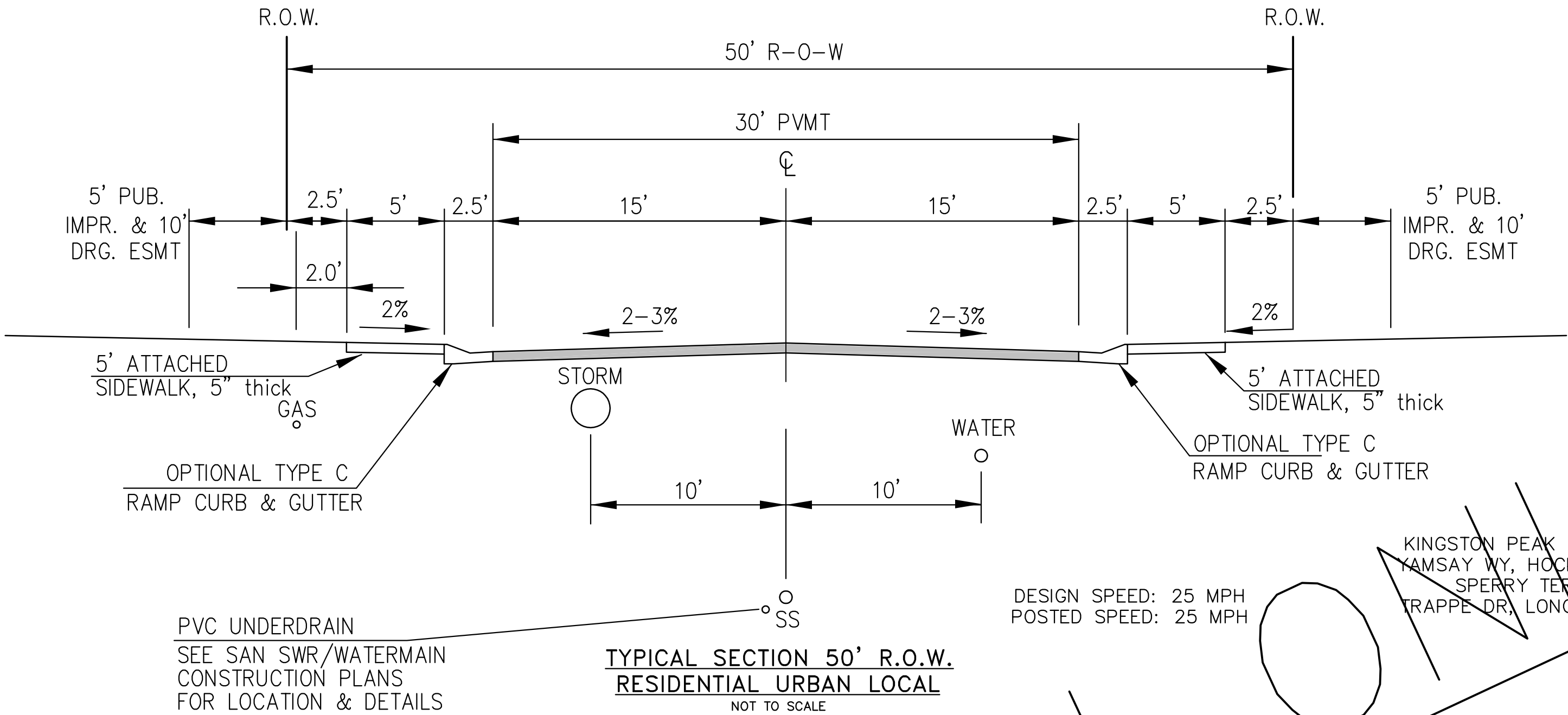
NO.





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



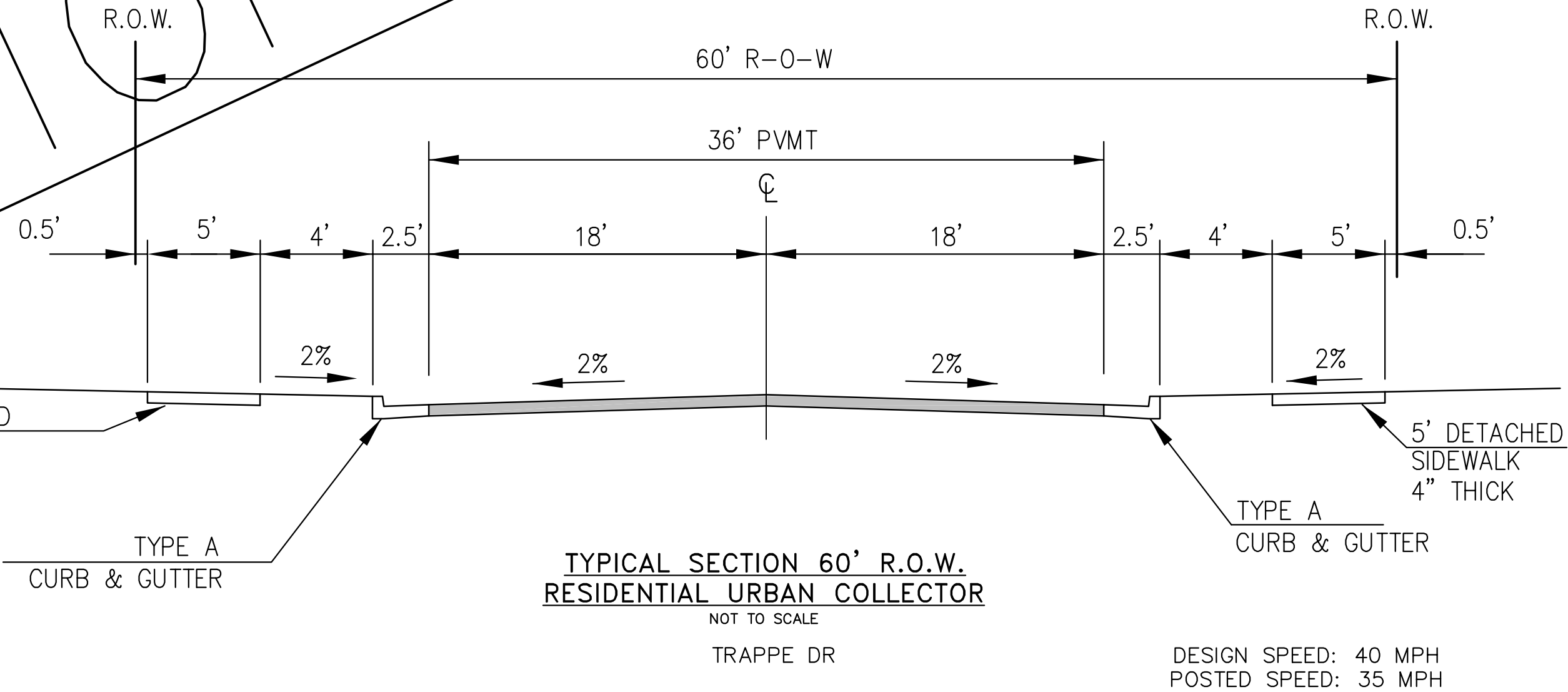
TYPICAL SECTION 50' R.O.W.  
RESIDENTIAL URBAN LOCAL  
NOT TO SCALE

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

DESIGN SPEED: 25 MPH  
POSTED SPEED: 25 MPH

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

KINGSTON PEAK PL, WAHLUKE DR, HACKBERRY HILL ST, TIN MOUNTAIN TR,  
YAMSAY WY, HOCKING TR, SALT SPRING WY, WHISKEY HILL LN, SHUKSAN LN  
SPERRY TER, SAWTOOTH RIDGE WY, ELK HILLS DR, CRAFTON CT,  
TRAPPE DR, LONG RIDGE CT, KEYNOT CT, BEACON BUTTE PL, SOLOMON TR.



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

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

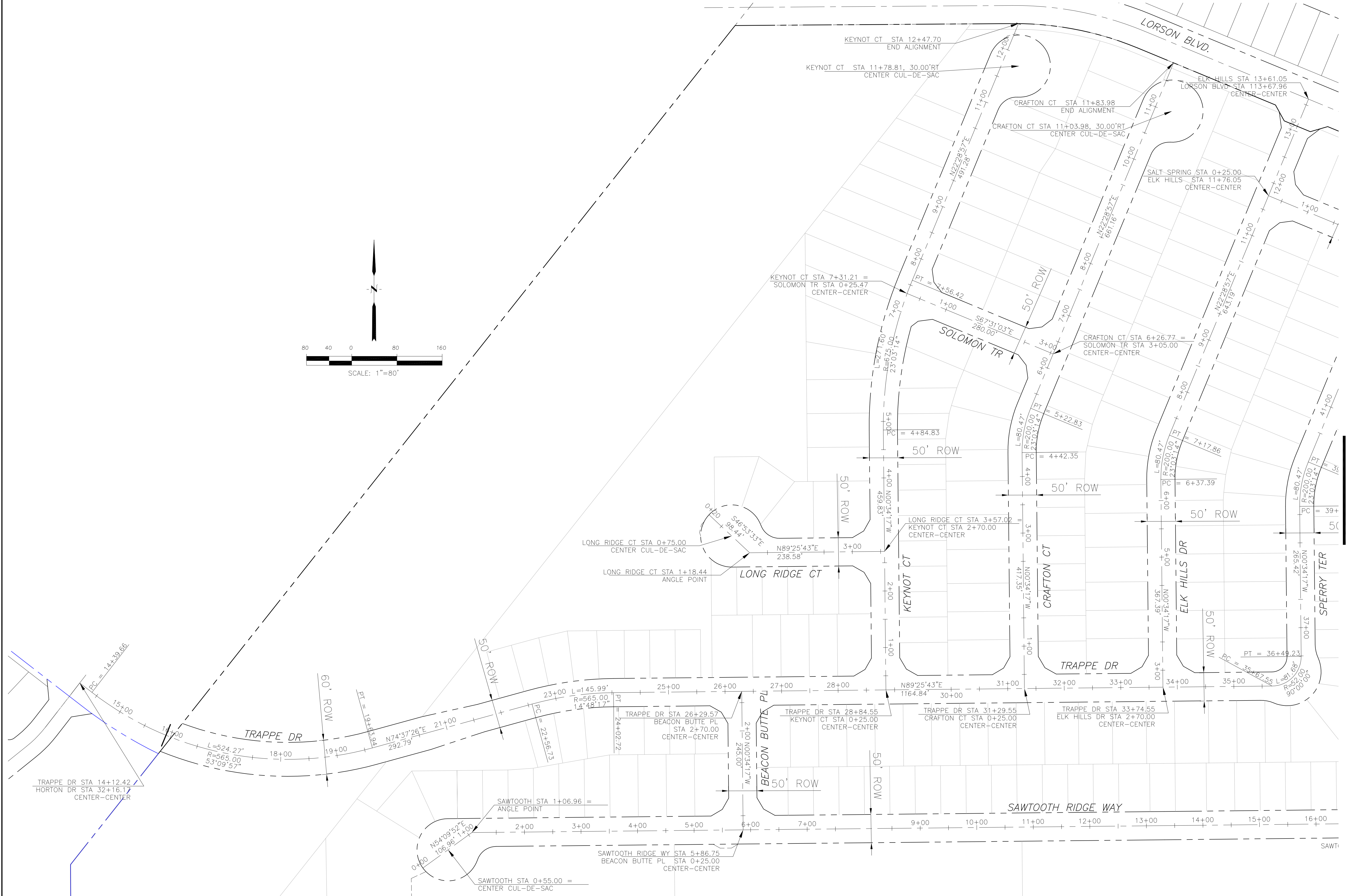
TRAPPE DR

DESIGN SPEED: 40 MPH  
POSTED SPEED: 35 MPH

FOR INFORMATION ONLY

<b>CORE</b> <b>ENGINEERING GROUP</b> 15004 1ST AVENUE S. BURNSVILLE, MN 55306 PH: 763.570.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: rich@ceg.com	
DATE	
DESCRIPTION	
NO.	
PREPARED FOR: <b>LORSON, LLC</b> 212 N. WAHSATCH AVE, SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF MARK	
PROJECT: <b>HILLSIDE AT LORSON RANCH</b> LORSON BLVD - WALLEYE DR COLORADO SPRINGS, COLORADO	
DRAWN: RLS	
DESIGNED: RLS	
CHECKED: RLS	
TYPICAL SECTIONS	
DATE: AUG 11, 2022	
PROJECT NO. 100.065	
SHEET NUMBER C1.3	
TOTAL SHEETS: 45	





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

PREPARED FOR:

LORSON, LLC

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

PROJECT:

HILLSIDE AT LORSON RANCH

LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

DRAWN:

RLS

DESIGNED:

RLS

CHECKED:

RLS

DATE

DESCRIPTION

NO.

HILLSIDE AT LORSON RANCH

HORIZONTAL CONTROL PLAN

DATE:

AUG 11, 2022

PROJECT NO.

100.065

SHEET NUMBER

C2.1

TOTAL SHEETS:

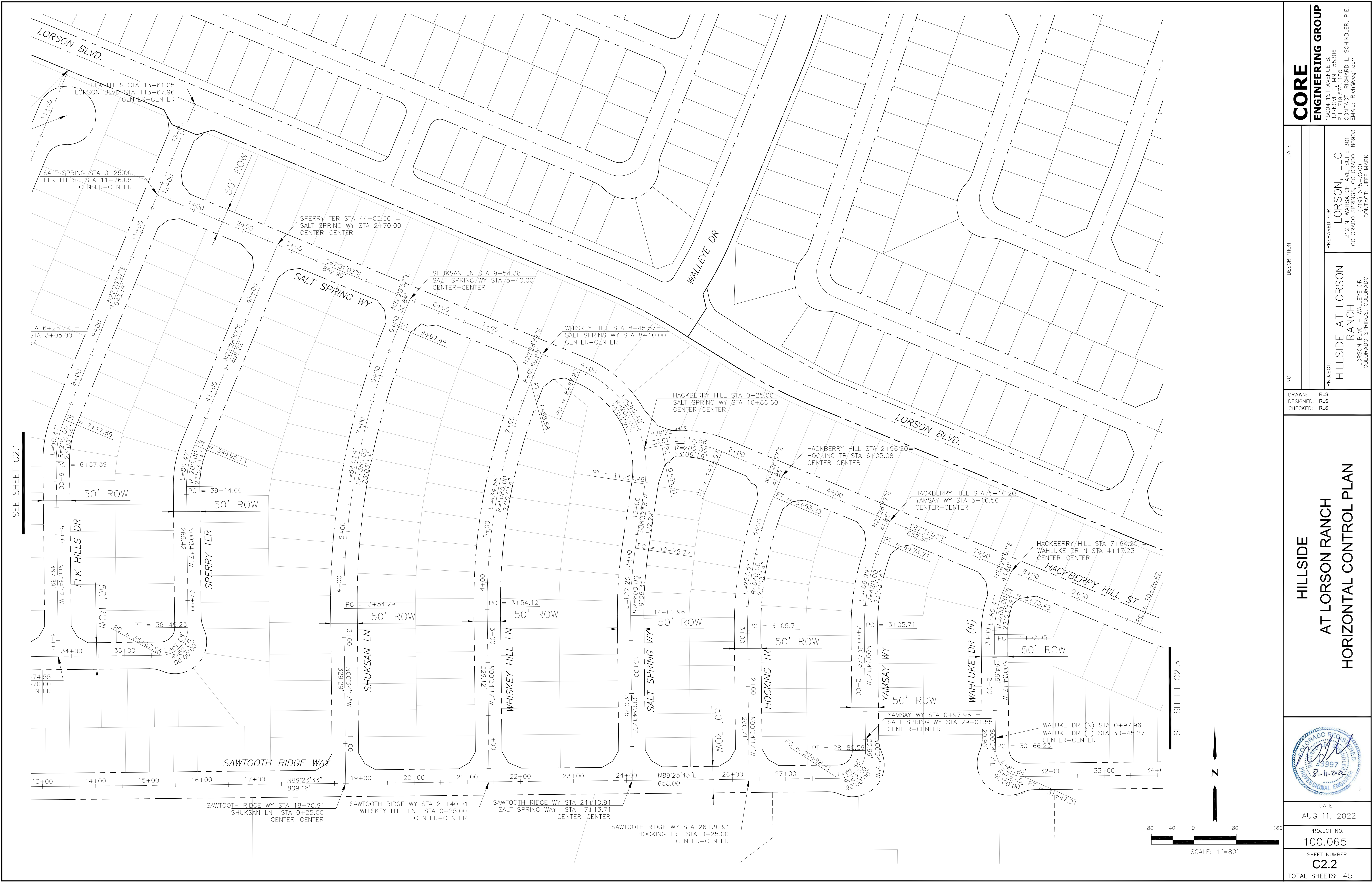
45

COLORADO REGISTERED PROFESSIONAL ENGINEER

33997

8-1-2022



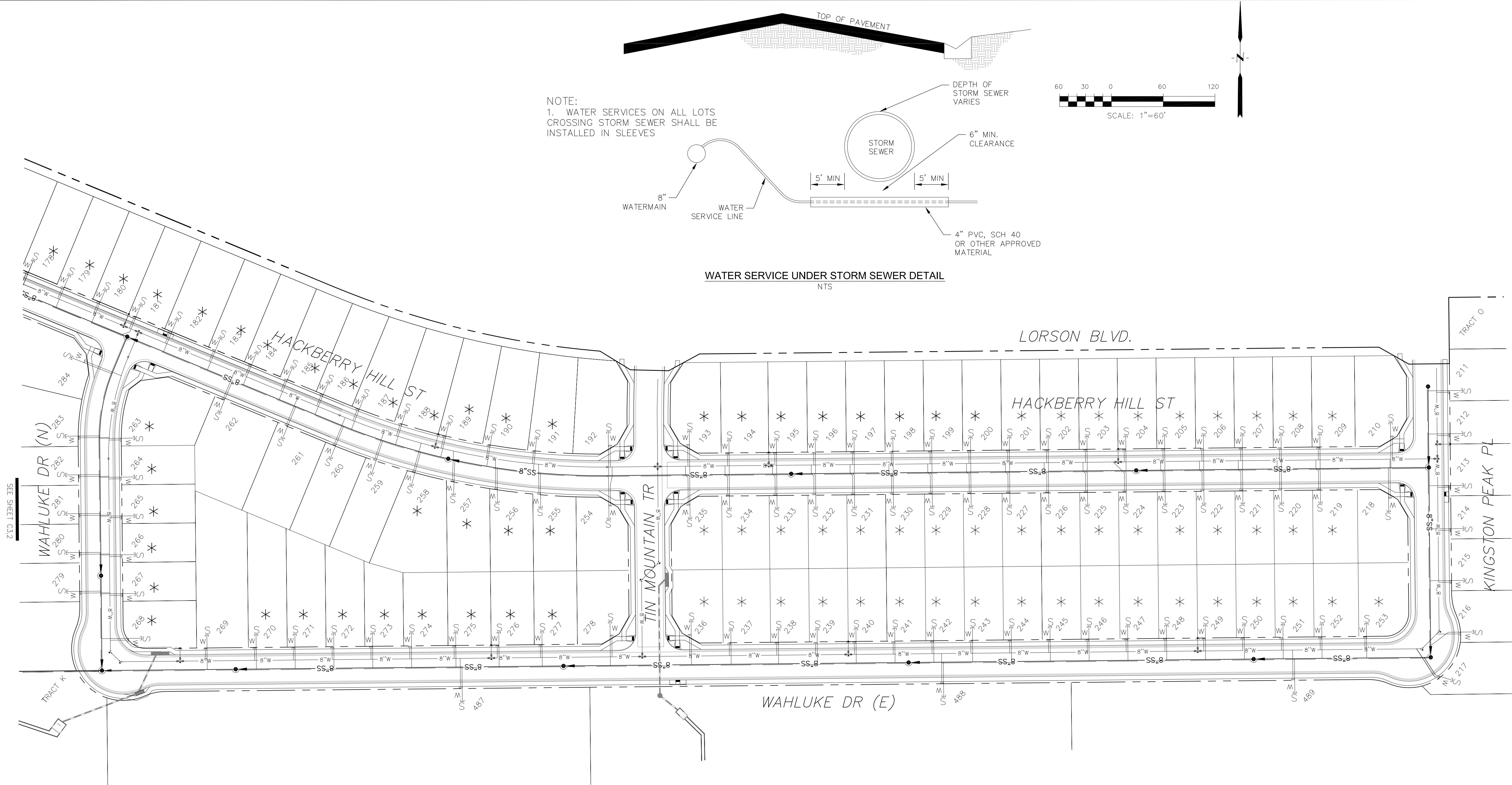


<b>CORE</b> ENGINEERING GROUP 15004 1ST AVENUE S. BURNING WOOD COLORADO 80903 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@ceg.com	
DATE	
DESCRIPTION	
NO.	
DRAWN: RLS DESIGNED: RLS CHECKED: RLS	
PROJECT: HILLSIDE AT LORSON RANCH LORSON, LLC 212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK	
PREPARED FOR: LORSON, LLC 212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK	
HILLSIDE AT LORSON RANCH HORIZONTAL CONTROL PLAN	
COLORADO REGISTERED PROFESSIONAL ENGINEER 33997 8-11-2022	
DATE: AUG 11, 2022	
PROJECT NO. 100.065	
SHEET NUMBER C2.2	
TOTAL SHEETS: 45	

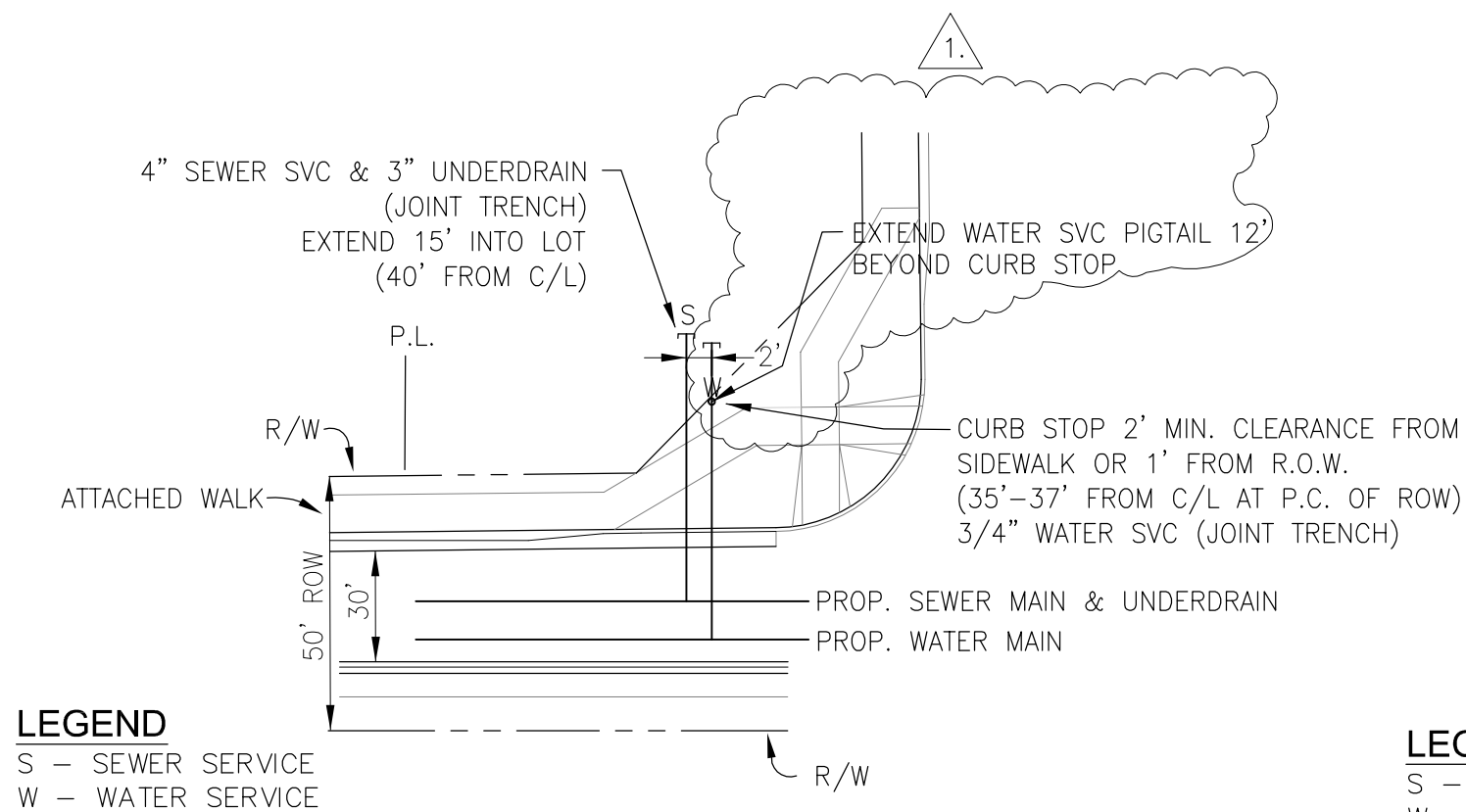




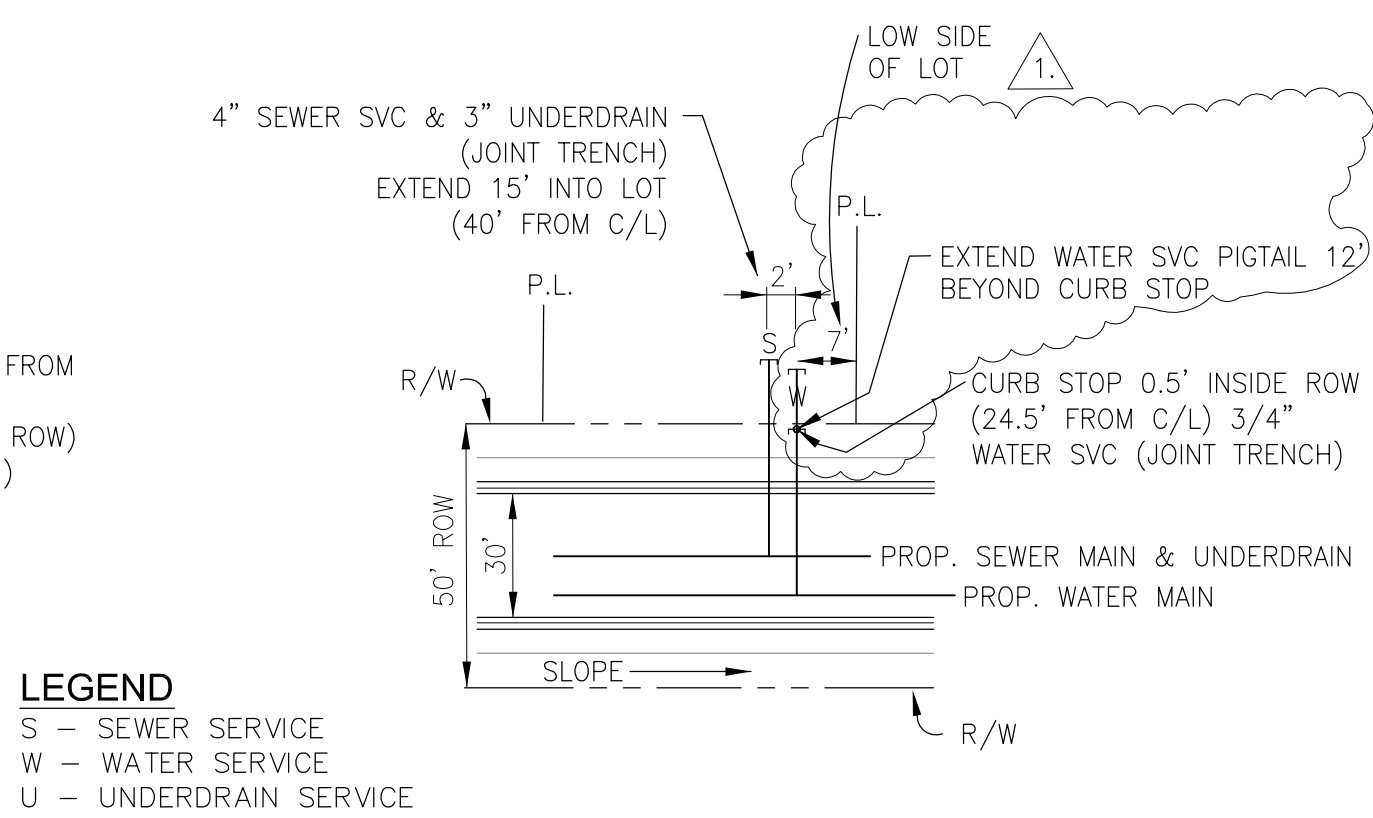




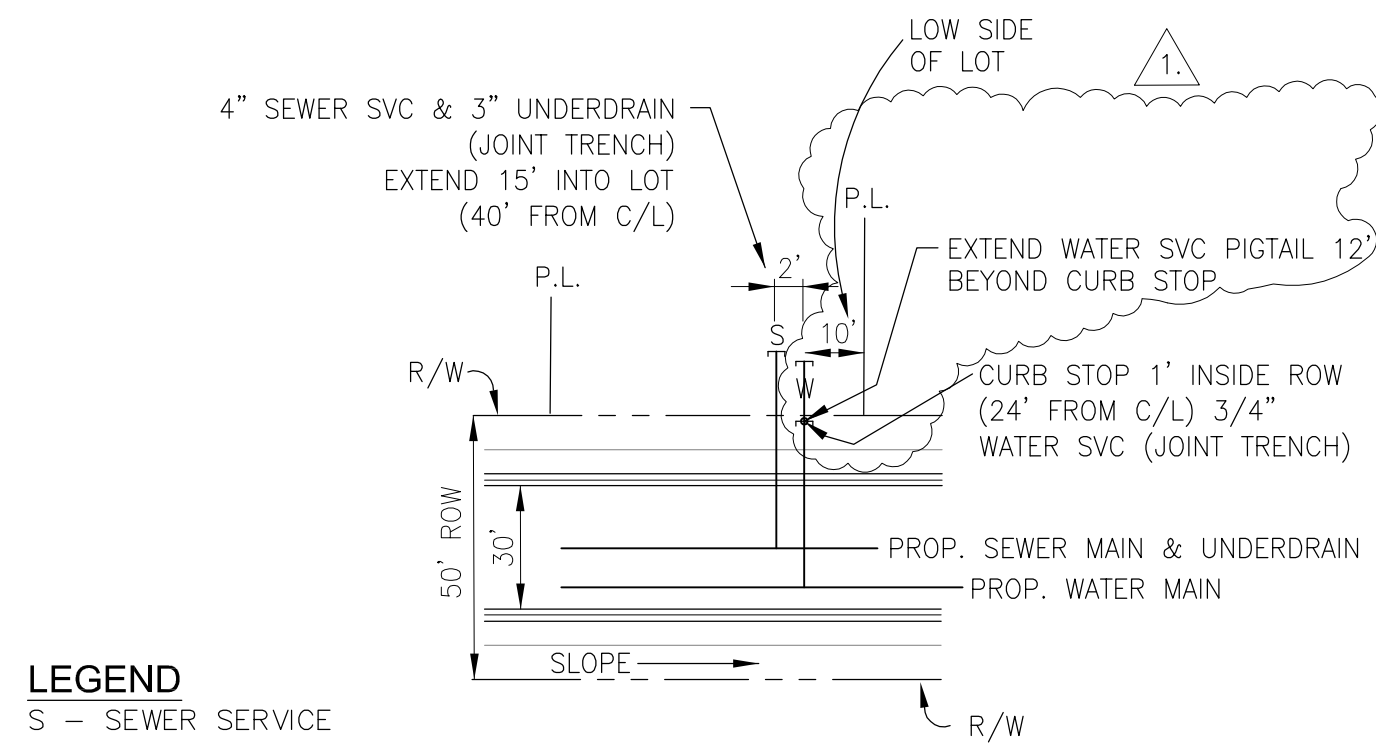
SEE SHEET C3.2



TYPICAL CORNER UTILITY SERVICE DETAIL  
NTS



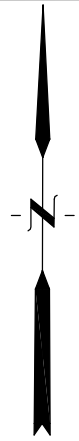
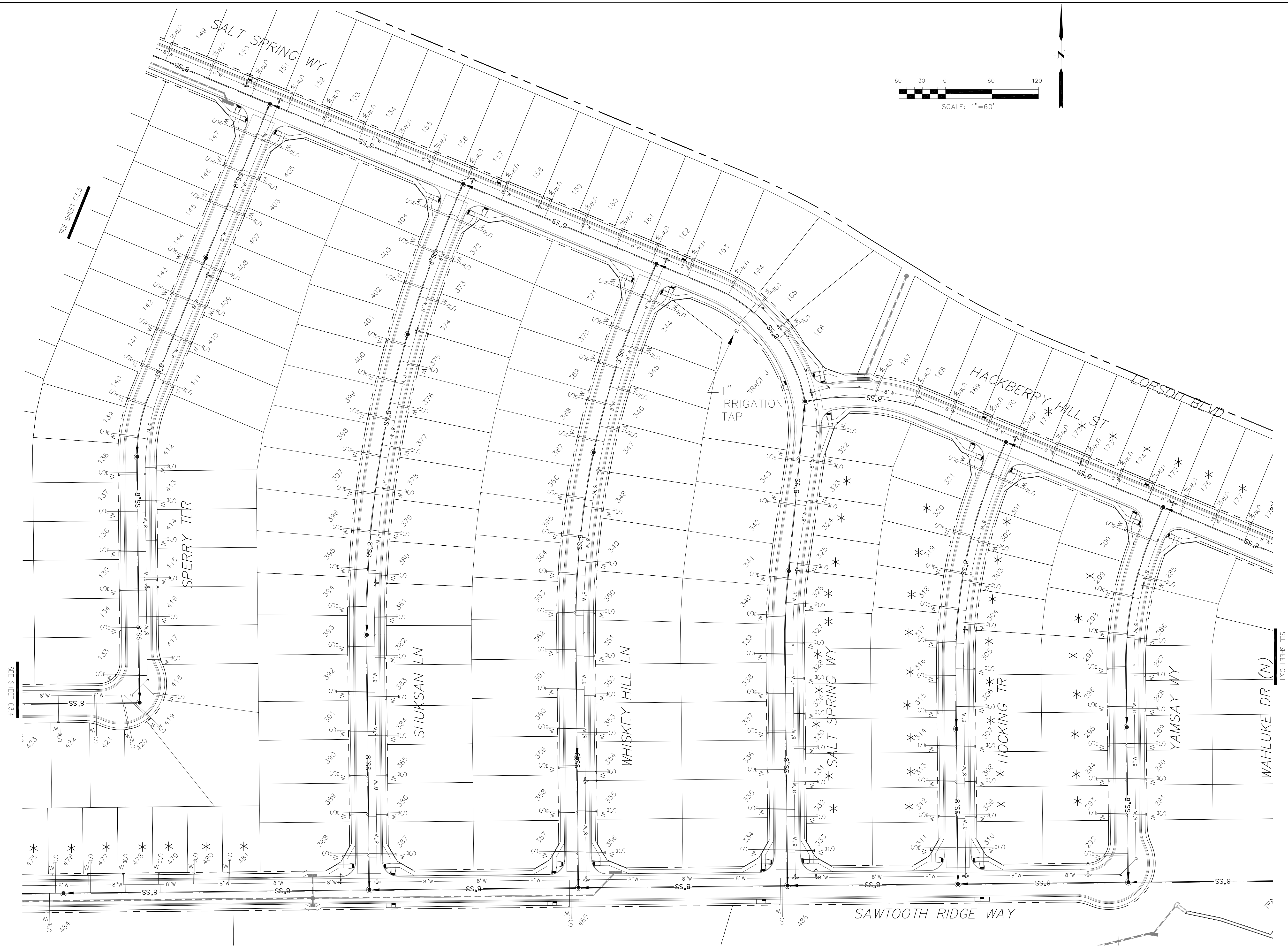
TYPICAL UTILITY SERVICE DETAIL (35' TO 45' WIDE LOTS)  
NTS



TYPICAL UTILITY SERVICE DETAIL (50'-60' WIDE LOTS)  
NTS

<b>CORE ENGINEERING GROUP</b> 15004 1ST AVENUE S. BURNSVILLE, MN 55306 PH: 719.570.1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: rich@ceg.com	
DATE	
DESCRIPTION	
NO.	
PROJECT:	LORSON, LLC HILLSIDE AT LORSON RANCH LORSON BLVD. & WALLEYE DR. COLORADO SPRINGS, COLORADO 80903
PREPARED FOR:	LORSON, LLC 212 N. WAHSATCH AVE., SUITE 301 COLORADO SPRINGS, COLORADO 80903 CONTACT: JEFF WARK
DRAWN:	RLS
DESIGNED:	RLS
CHECKED:	RLS
HILLSIDE AT LORSON RANCH UTILITY SERVICES PLAN EAST PORTION	
DATE:	AUG 11, 2022
PROJECT NO.	100.065
SHEET NUMBER	C3.1
TOTAL SHEETS:	45





DATE:  
AUG 11, 2022

---

PROJECT NO.  
100.065

---

SHEET NUMBER  
**C3.2**

TOTAL SHEETS: 45

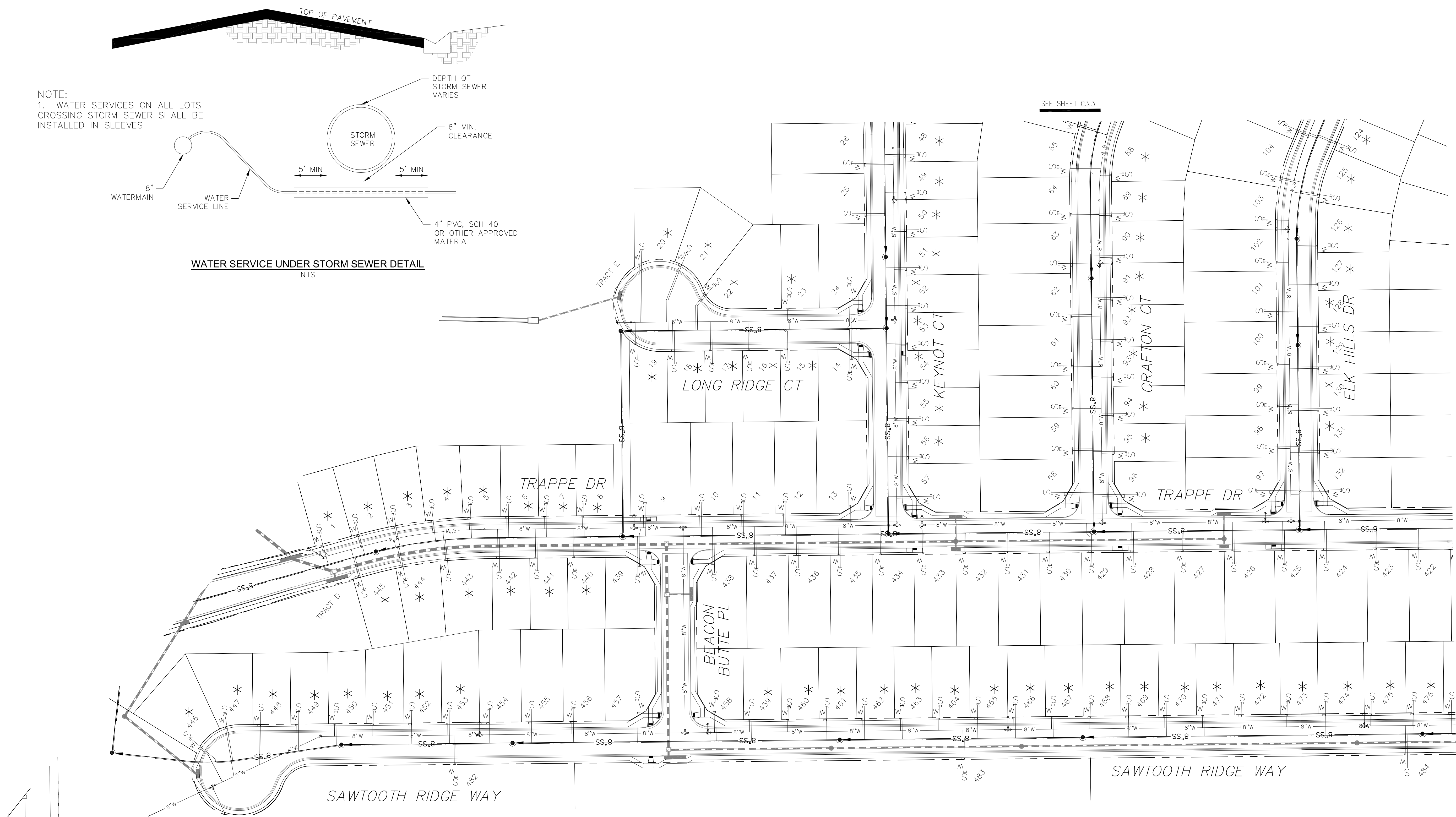
DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

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



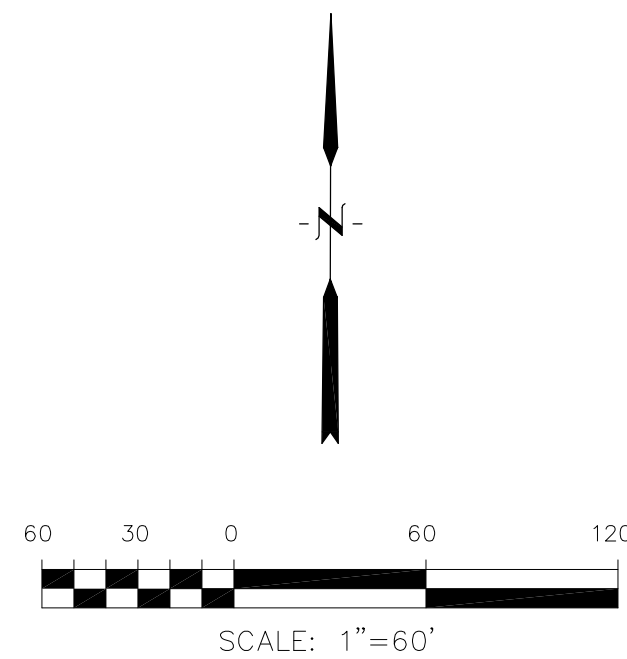






SEE SHEET C3.2

SEE SHEET C3.3



HILLSIDE AT LORSON RANCH  
UTILITY SERVICES PLAN  
SOUTHWEST SECTION



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C3.4

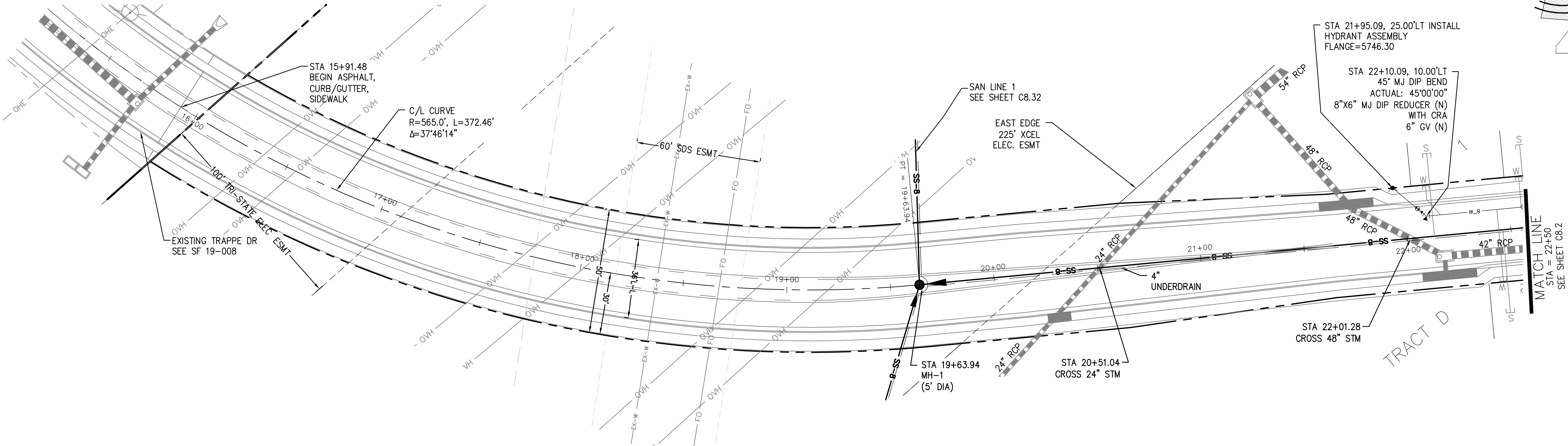
TOTAL SHEETS: 45

DESCRIPTION		DATE
NO.		
DRAWN: RLS		
DESIGNED: RLS		
CHECKED: RLS		
PROJECT: HILLSIDE AT LORSON RANCH		
PREPARED FOR: LORSON, LLC		
212 N. WAHSATCH AVE, SUITE 301		
COLORADO SPRINGS, COLORADO 80903		
CONTACT: RICHARD L. SCHINDLER, P.E.		
EMAIL: rich@ceg.com		
CONTACT: JEFF MARK		

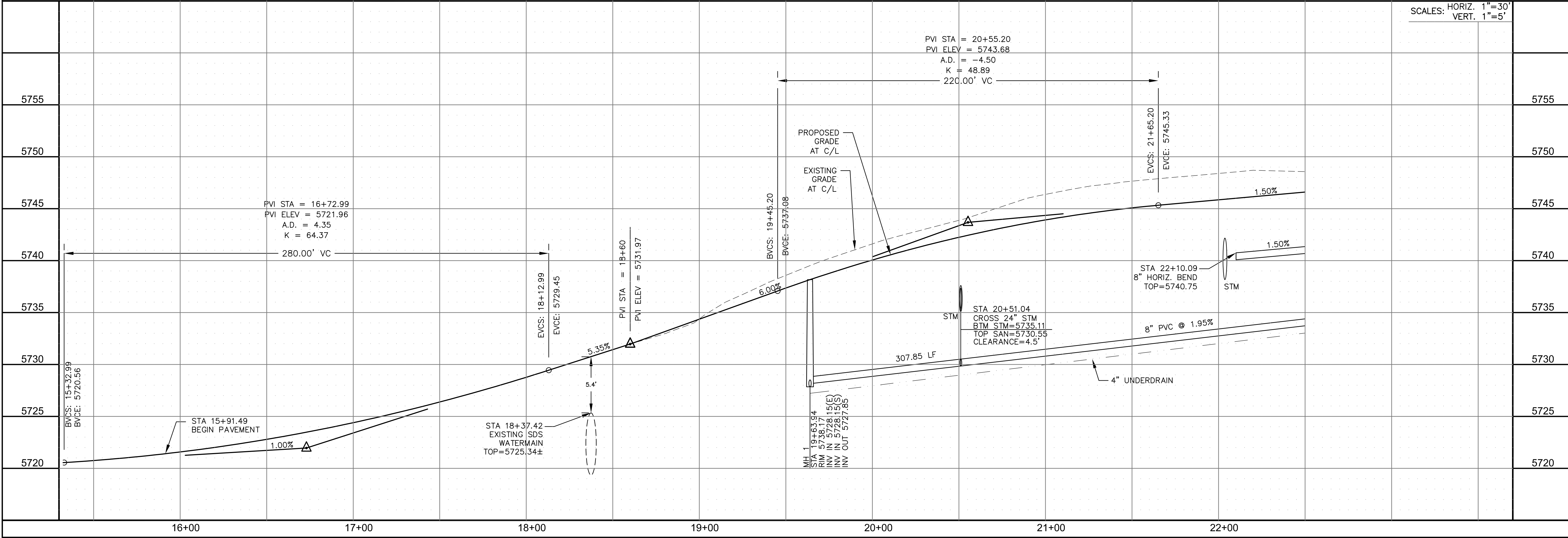
**CORE**  
**ENGINEERING GROUP**  
15004 1ST AVENUE S.  
BURNSVILLE, MN 55306  
PH: 719.570.1100  
CONTACT: RICHARD L. SCHINDLER, P.E.  
EMAIL: rich@ceg.com



- NOTES
1. STATIONING IS AT ROADWAY CENTERLINE.
  2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
  3. ALL 8" & 12" WATERMAIN IS PVC, C900.
  4. ALL WATERMAIN FITTINGS ARE MJ DIP
  5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
  6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
  7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



TRAPPE DRIVE



CORE

ENGINEERING GROUP

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

PROJECT:  
HILLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN  
TRAPPE DRIVE  
STA 15+91 TO 22+50

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

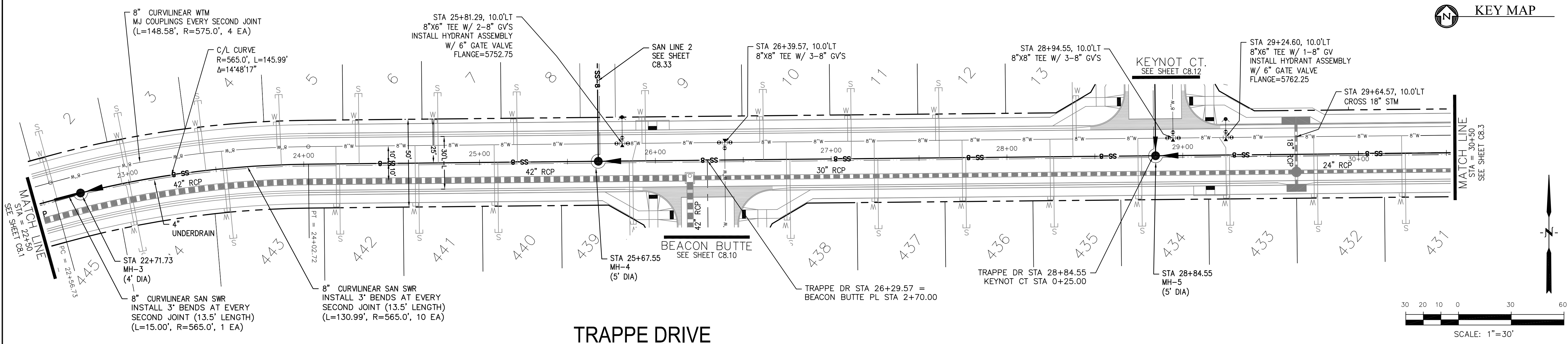
SHEET NUMBER  
C8.1

TOTAL SHEETS: 45

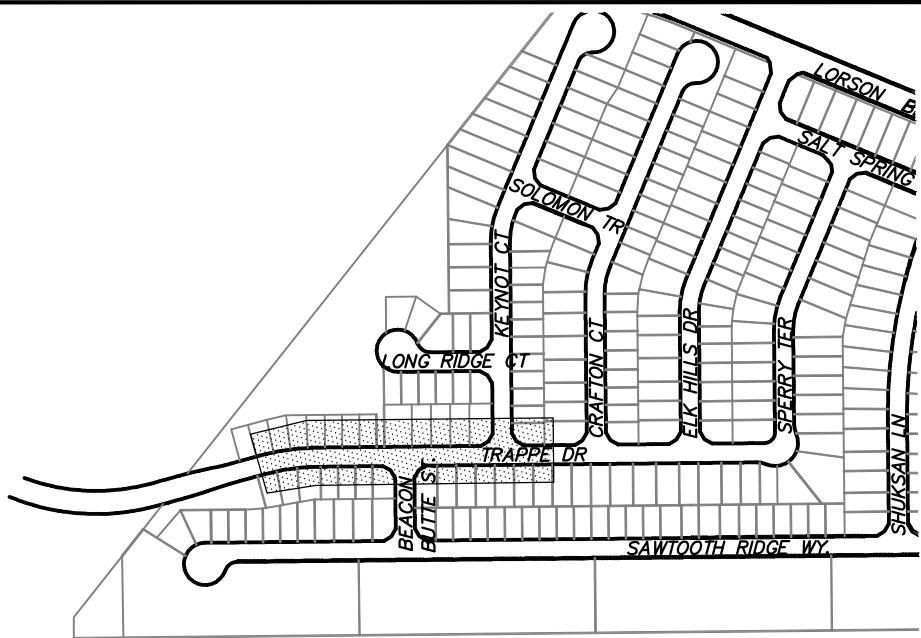
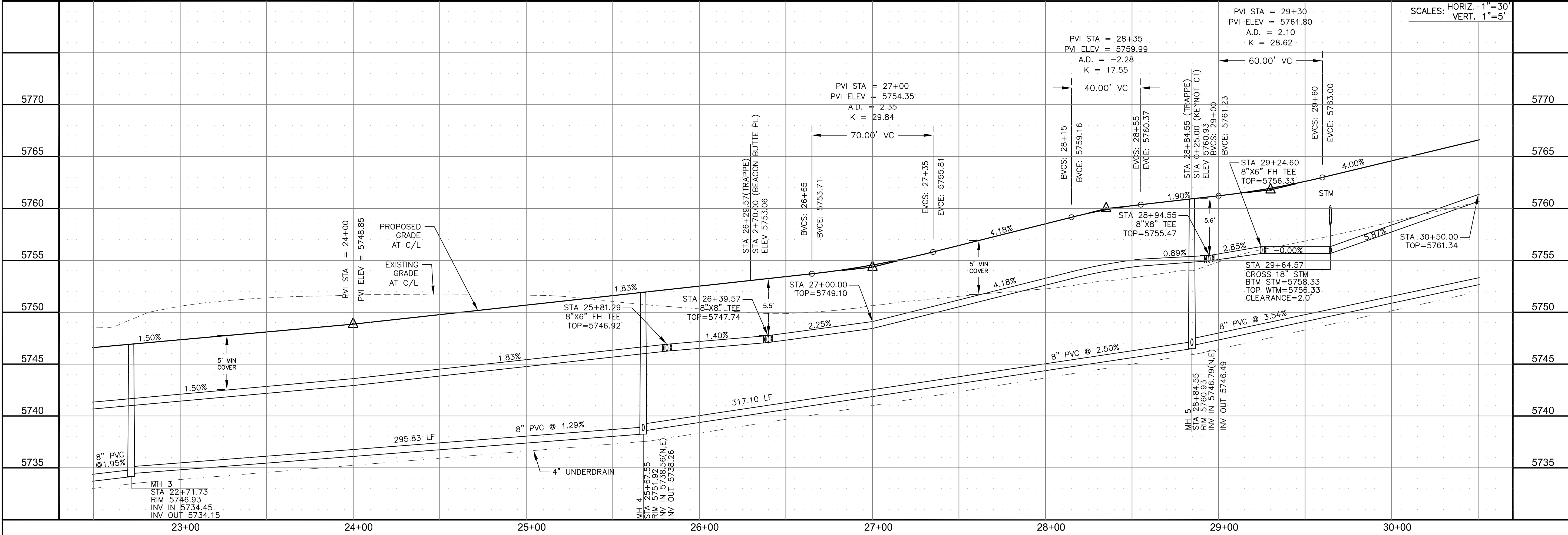


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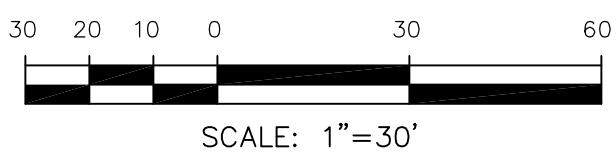
1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



TRAPPE DRIVE



KEY MAP



**CORE**  
**ENGINEERING GROUP**  
15004 1ST AVENUE S.  
BURNING WOOD, CO 80903  
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

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

WTM / SAN  
TRAPPE DRIVE  
STA 22+50 TO 30+50



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

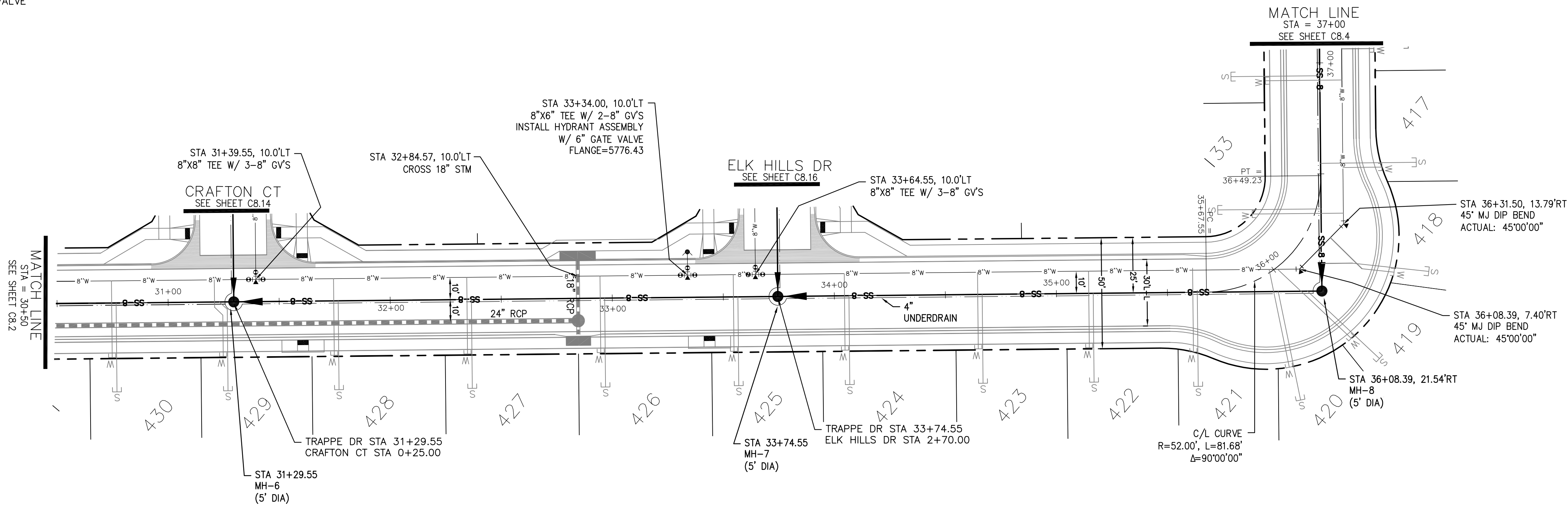
SHEET NUMBER  
C8.2

TOTAL SHEETS: 45

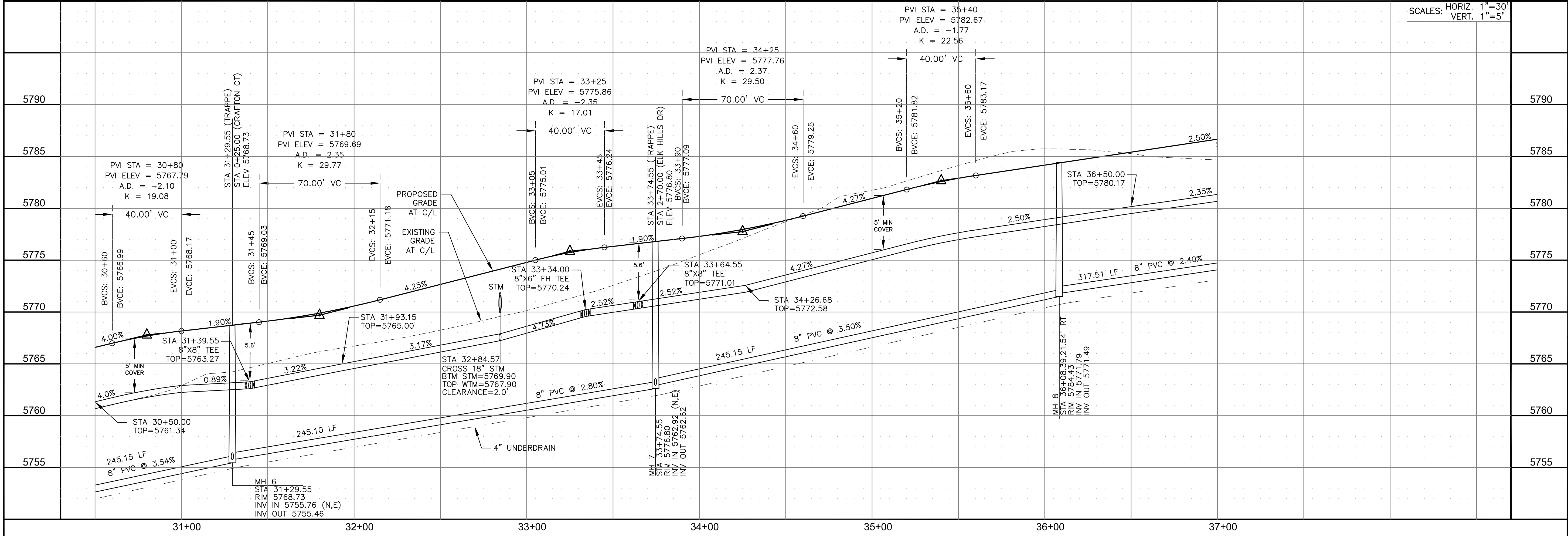


NOTES

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4. ALL WATERMAIN FITTINGS ARE MJ DIP.
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



TRAPPE DRIVE



CORE

ENGINEERING GROUP

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

PROJECT:

HILLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

TRAPPE DRIVE

STA 30+50 TO 37+00

DATE:  
AUG 11, 2022

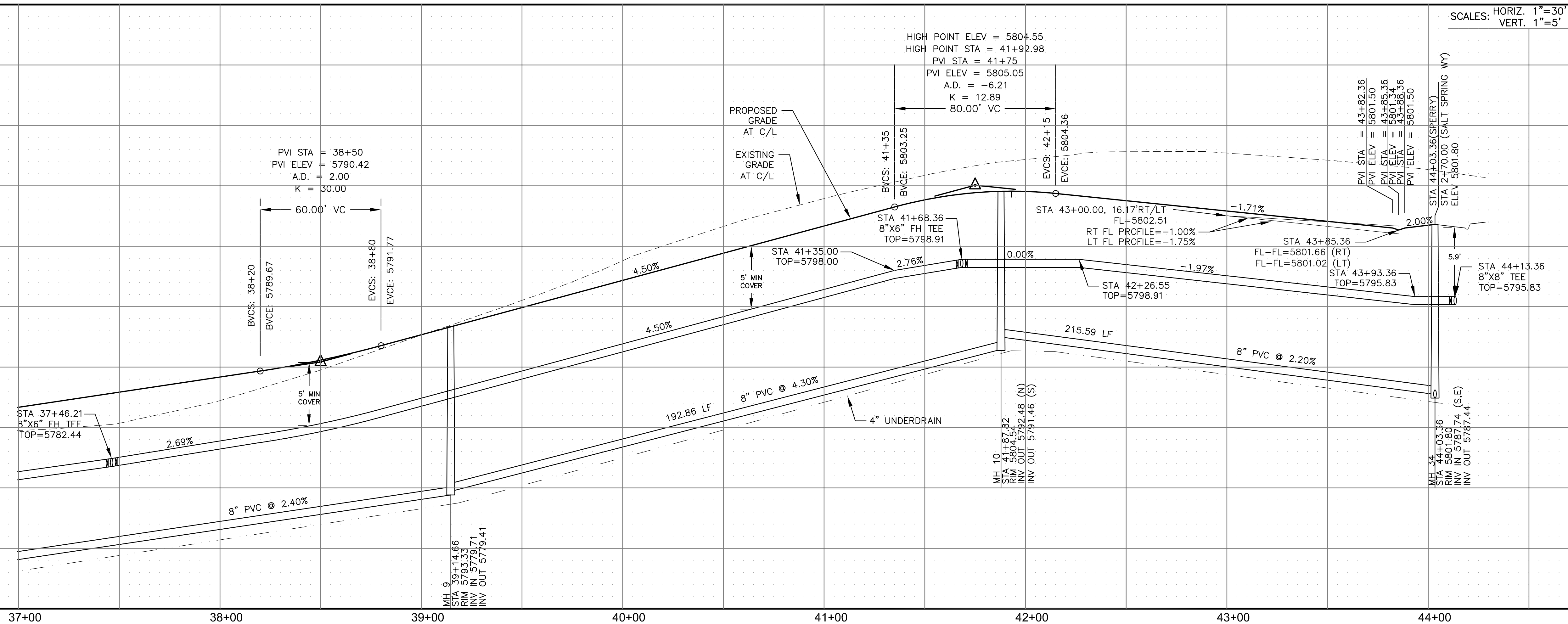
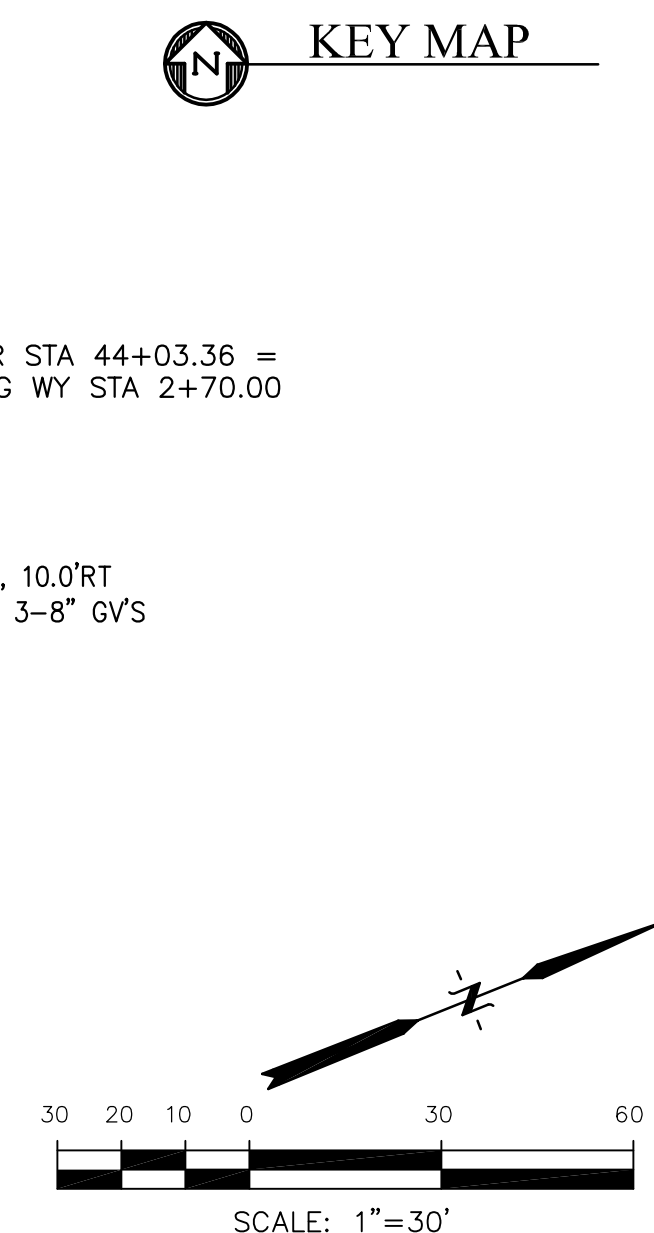
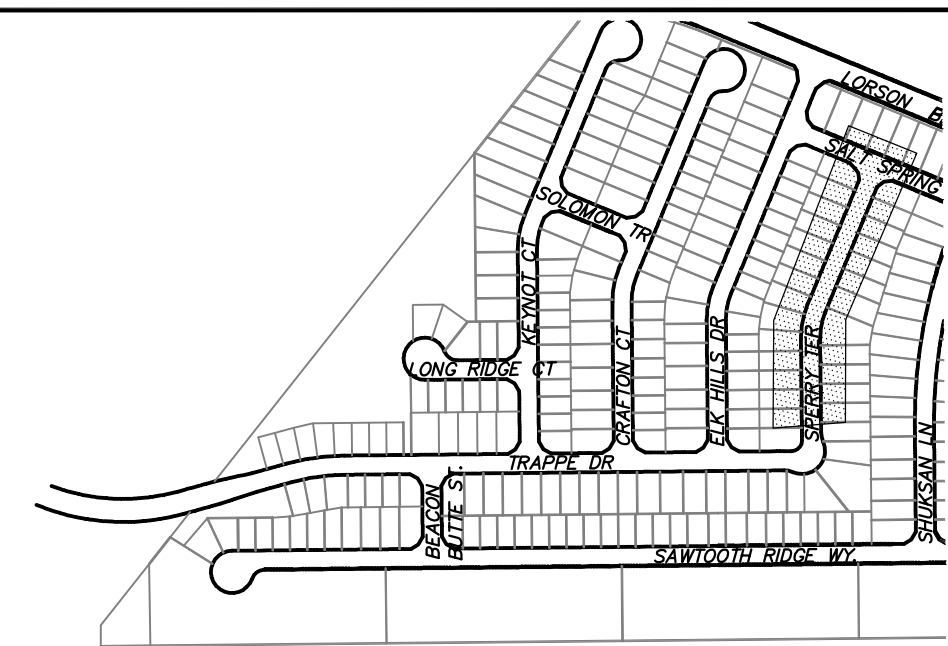
PROJECT NO.  
100.065

SHEET NUMBER  
C8.3

TOTAL SHEETS: 45

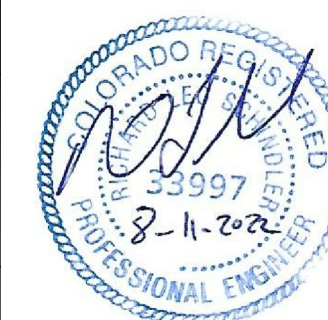


1. STATIONING IS AT ROADWAY CENTERLINE.
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4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



<p><b>CORE</b></p> <p><b>ENGINEERING GROUP</b></p> <p>15004 1ST AVENUE S. DENVER, CO 80202 PH: (719) 570-1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@cegi.com</p>		<p>15004 1ST AVENUE S. DENVER, CO 80202 PH: (719) 570-1100 CONTACT: RICHARD L. SCHINDLER, P.E. EMAIL: Rich@cegi.com</p>	
<p>NO.</p> <p>DESCRIPTION</p> <p>DATE</p>		<p>PROJECT:</p> <p>HILLSIDE AT LORSON RANCH</p> <p>PREPARED FOR:</p> <p>LORSON, LLC</p> <p>212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903</p> <p>(719) 635-3200 CONTACT: JEFF MARK</p>	
<p>DRAWN: RLS</p> <p>DESIGNED: RLS</p> <p>CHECKED: RLS</p>		<p>PROJECT:</p> <p>HILLSIDE AT LORSON RANCH</p> <p>PREPARED FOR:</p> <p>LORSON, LLC</p> <p>212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903</p> <p>(719) 635-3200 CONTACT: JEFF MARK</p>	

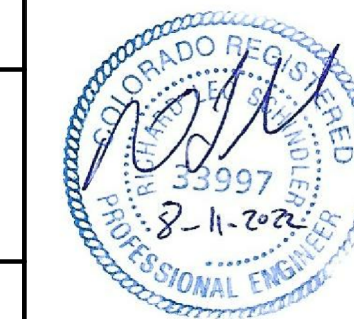
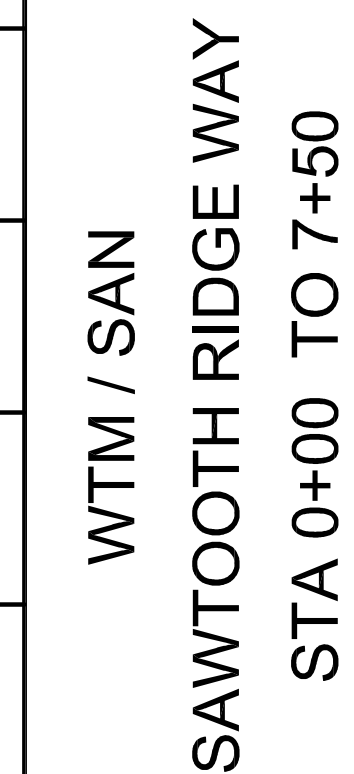
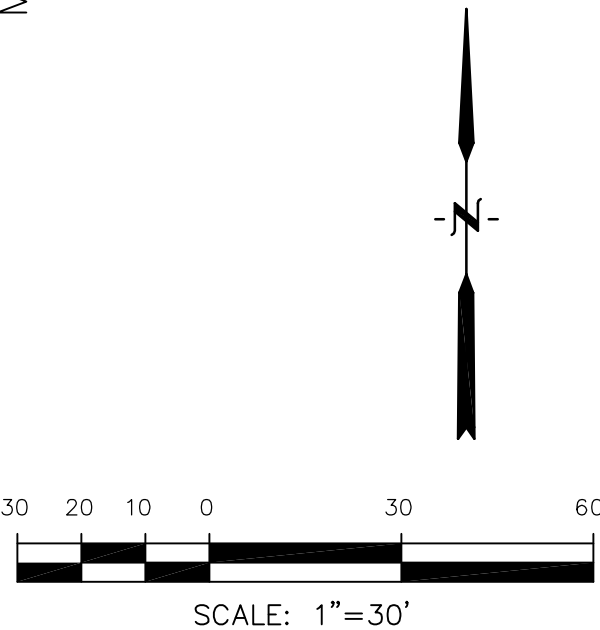
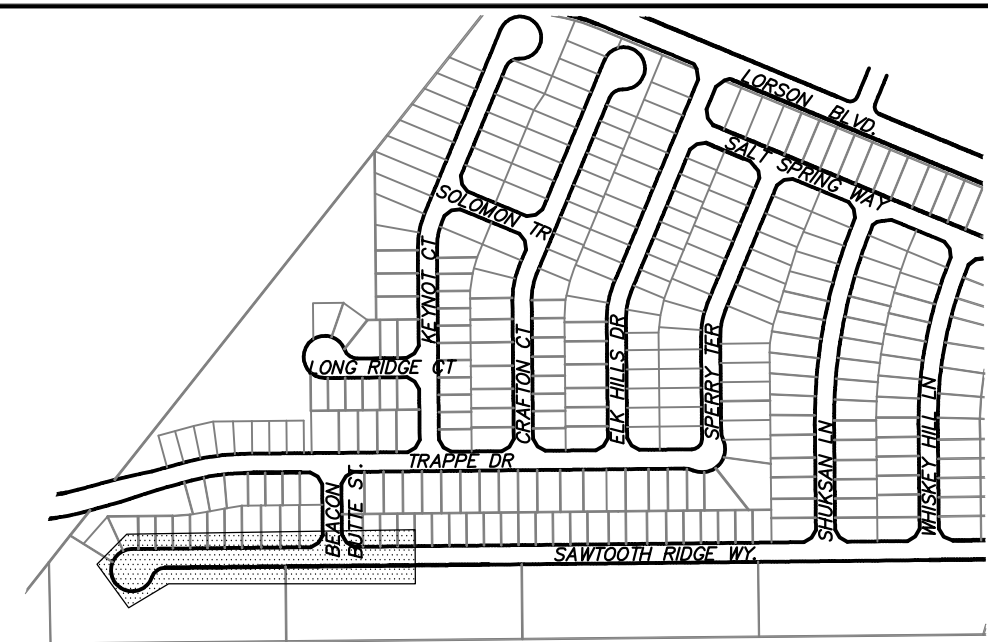
WTM / SAN  
SPERRY TERRACE  
STA 37+00 TO 44+04



DATE:	AUG 11, 2022
PROJECT NO.	100.065
SHEET NUMBER	C8.4
TOTAL SHEETS:	45



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C8.5

TOTAL SHEETS: 45

**CORE**  
**ENGINEERING GROUP**  
15004 1ST AVENUE S.  
BURNSVILLE, MN 55306  
PH: 719.570.1700  
CONTACT: RICHARD L. SCHINDLER, P.E.  
EMAIL: Rich@eg1.com

NAME	DATE

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

DESC

CT: HILLSIDE AT LORSON RANCH

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

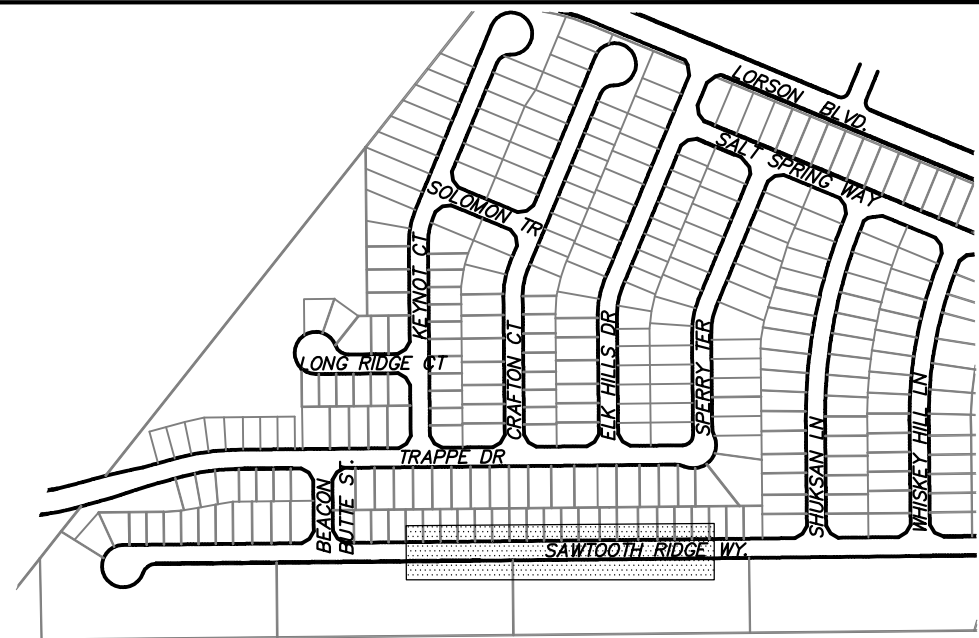
	DA

OR:  
**ORSON, LLC**  
 WAHSATCH AVE, SUITE 100  
 SPRINGS, COLORADO

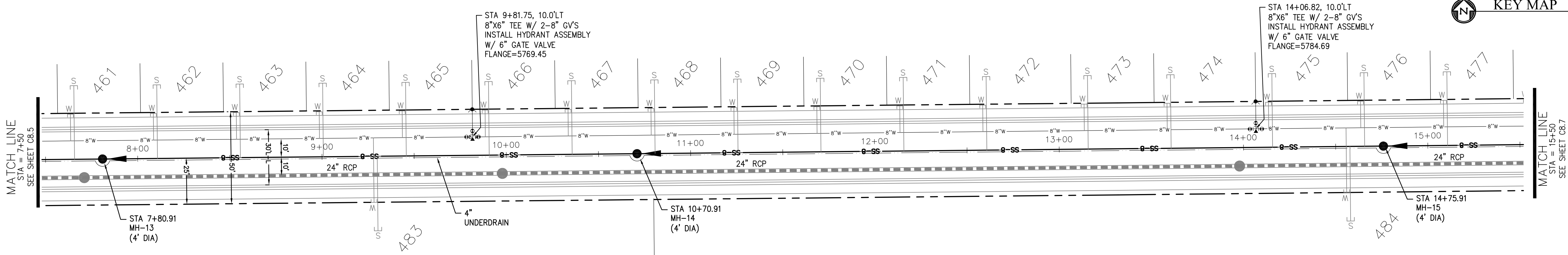


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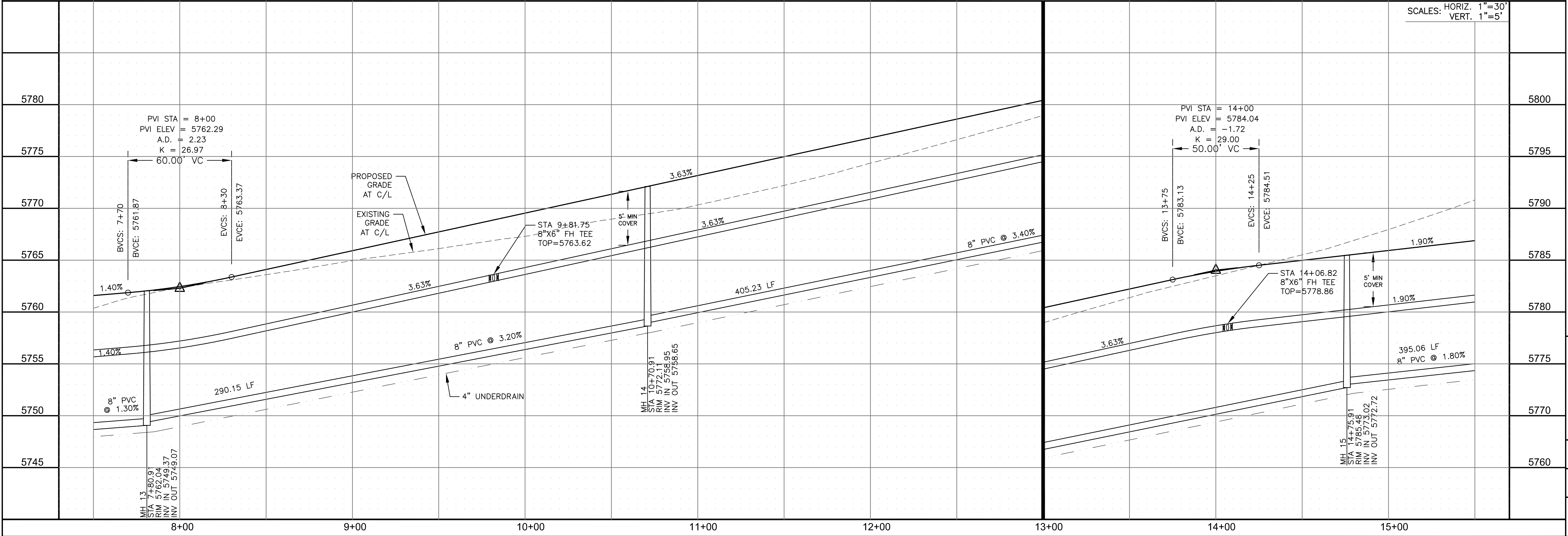
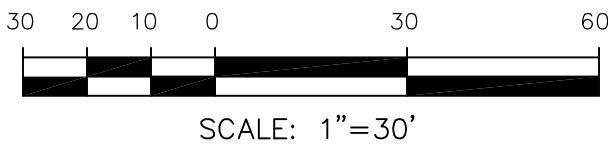
1. STATIONING IS AT ROADWAY CENTERLINE.
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3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



KEY MAP



SAWTOOTH RIDGE WAY



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.  
BURNING WOOD, UT 84306  
PHONE: 801.488.1100  
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  
CONTACT: JEFF MARK

PROJECT:  
**HILLSIDE AT LORSON RANCH**  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

SAWTOOTH RIDGE WAY

STA 7+50 TO 15+50

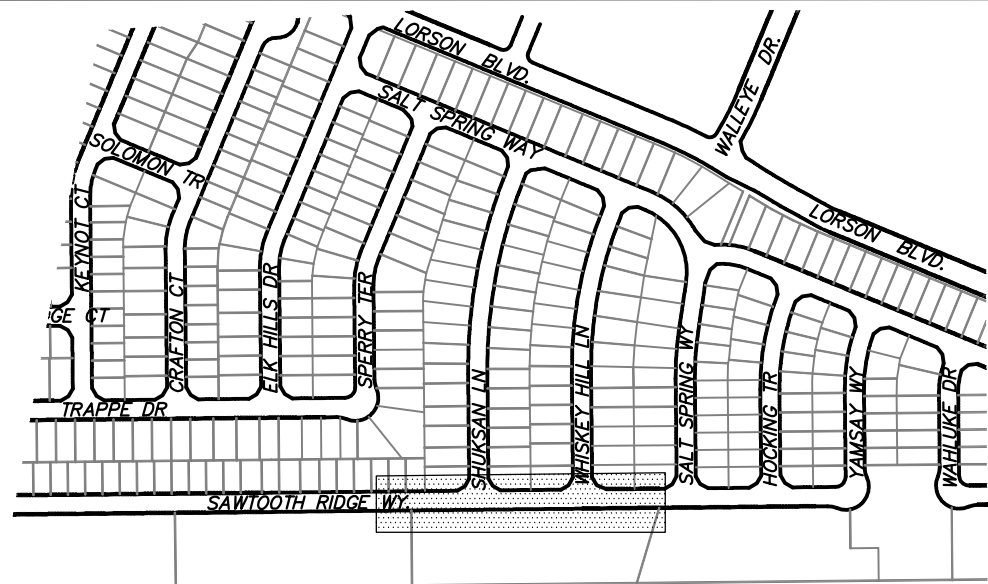
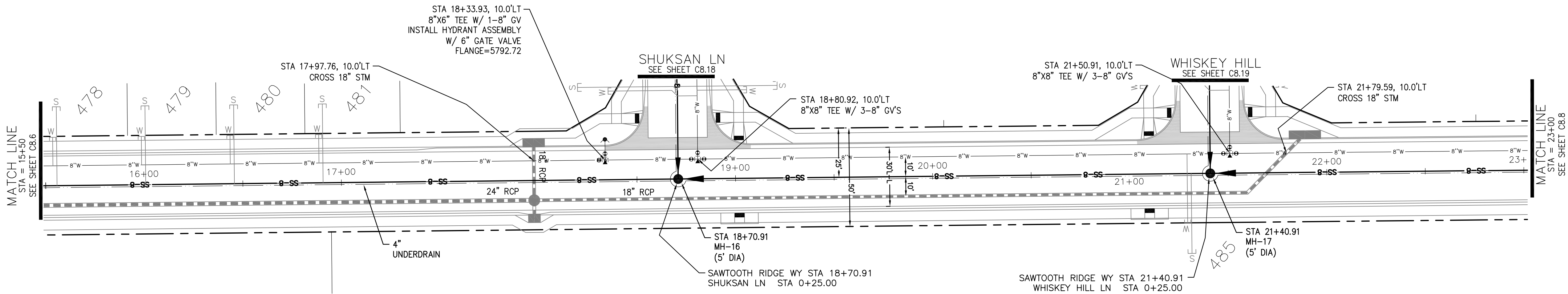
DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C8.6

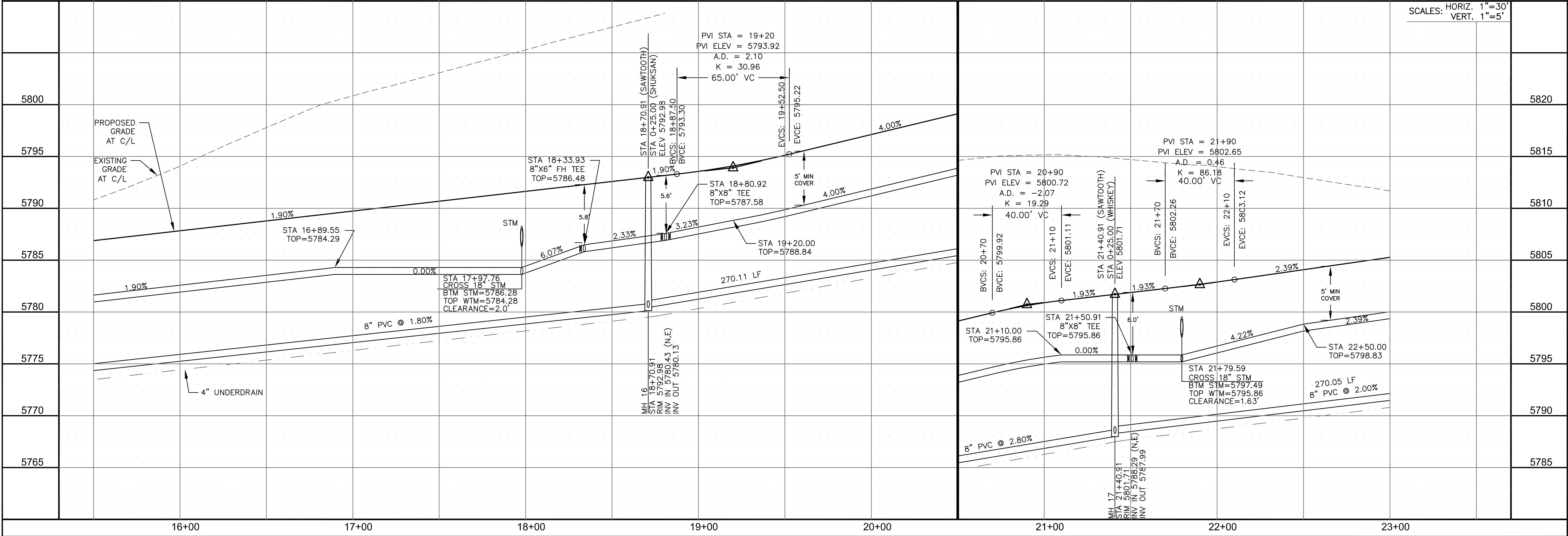
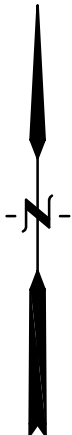
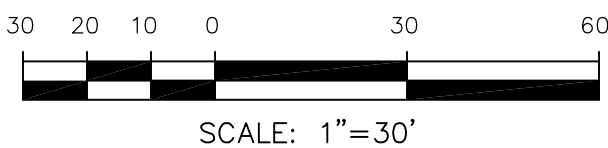
TOTAL SHEETS: 45





KEY MAP

SAWTOOTH RIDGE WAY



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.  
BURNING WOOD, CO 80903  
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:

HILLSIDE AT LORSON RANCH

LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

DRAWN:

RLS

DESIGNED:

RLS

CHECKED:

RLS

WTM / SAN

SAWTOOTH RIDGE WAY

STA 15+50 TO 23+00

DATE:

AUG 11, 2022

PROJECT NO.

100.065

SHEET NUMBER

C8.7

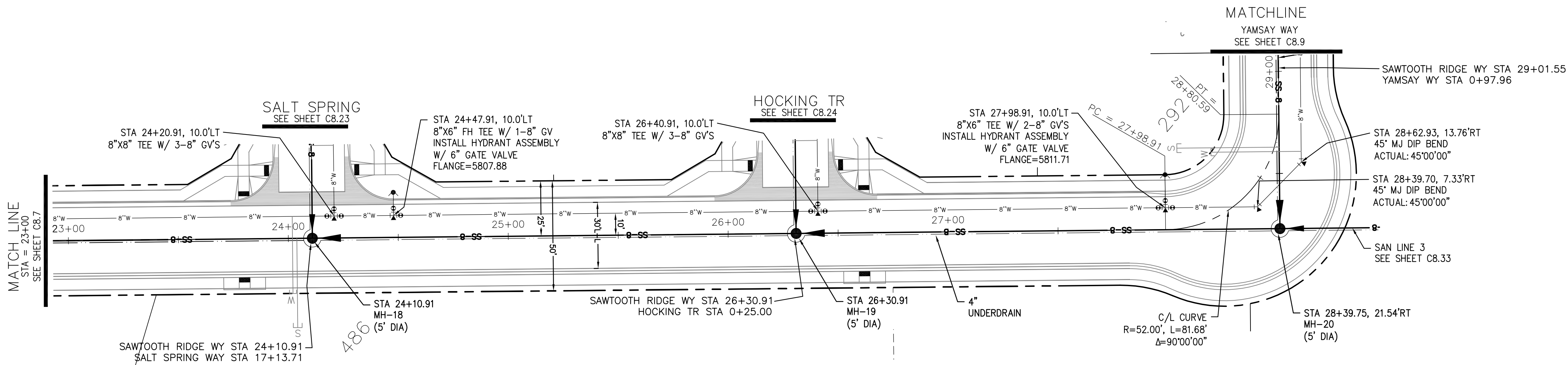
TOTAL SHEETS:

45

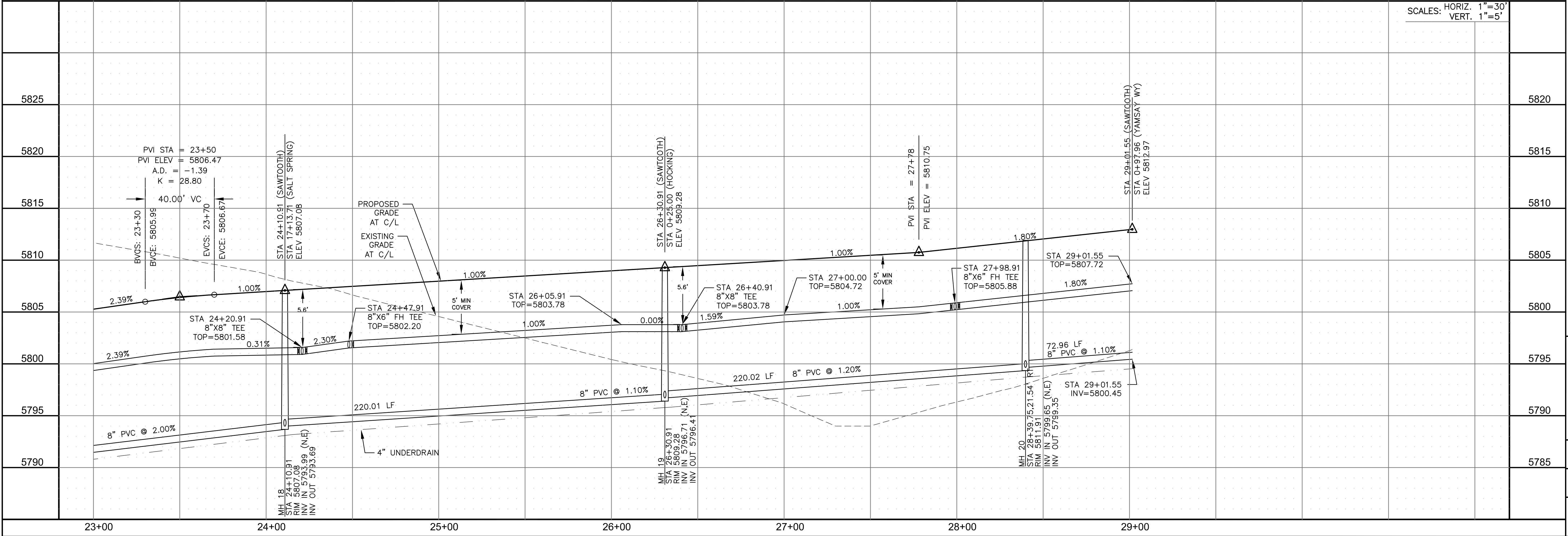
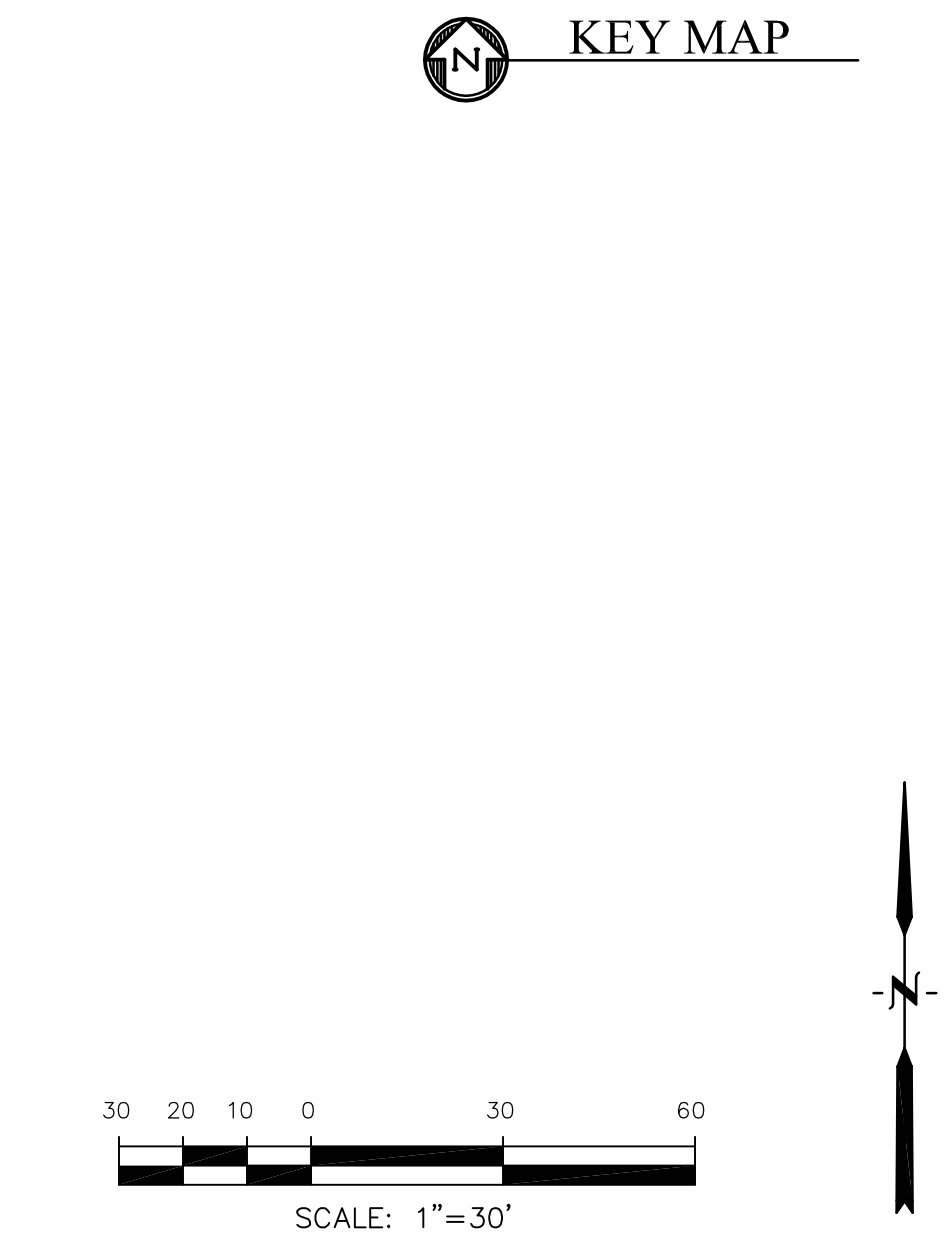


NOTES

1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



SAWTOOTH RIDGE WAY



CORE

ENGINEERING GROUP

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

PROJECT:  
HILLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN  
SAWTOOTH RIDGE WAY  
STA 23+00 TO 29+01

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

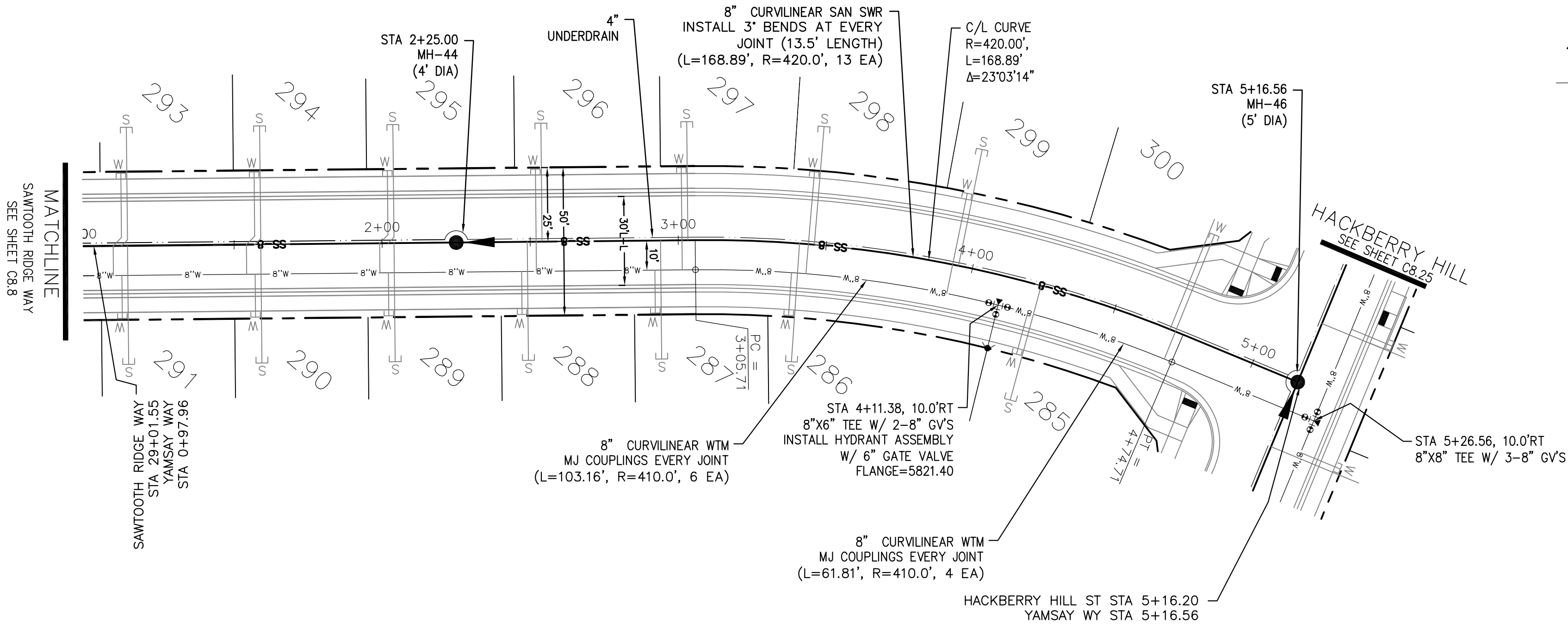
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TOTAL SHEETS: 45

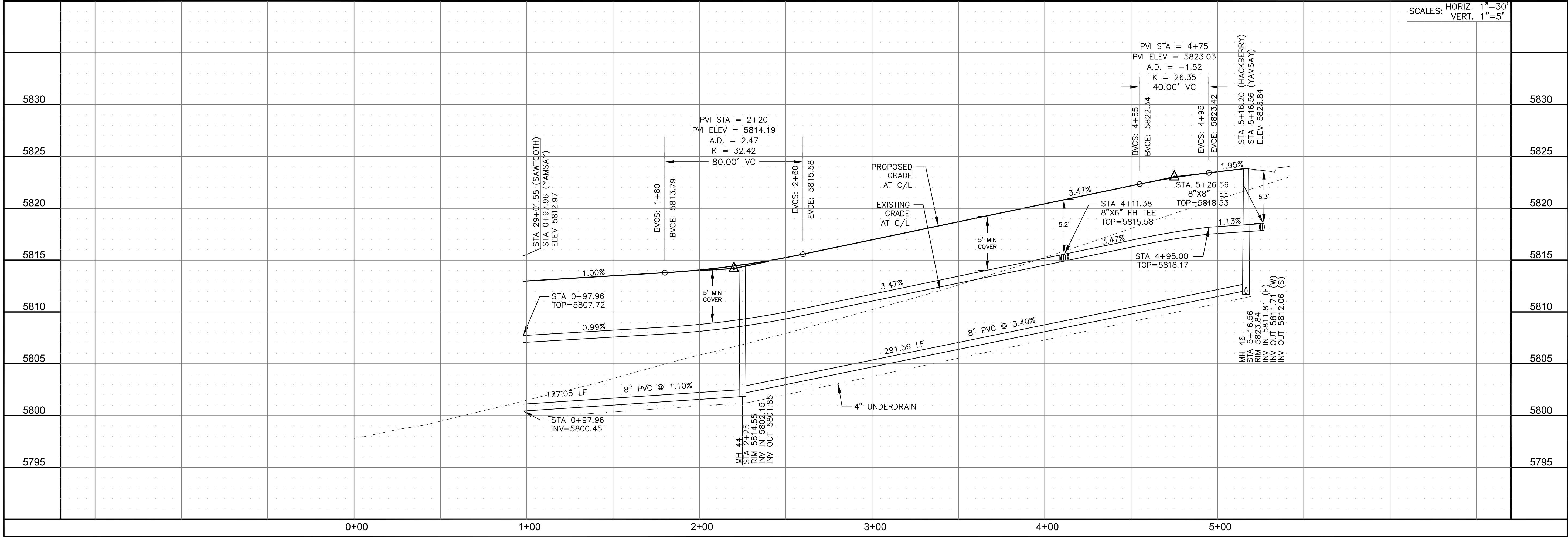


NOTES

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7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



YAMSAY WAY



CORE  
ENGINEERING GROUP  
15004 1ST AVENUE S.  
BURNSTOWN, CO 80015  
PHONE: 303.751.1100  
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  
CONTACT: JEFF MARK

PROJECT:  
**HILLSIDE AT LORSON RANCH**  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN  
YAMSAY WAY  
STA 0+97 TO 5+16.56

DATE:  
AUG 11, 2022

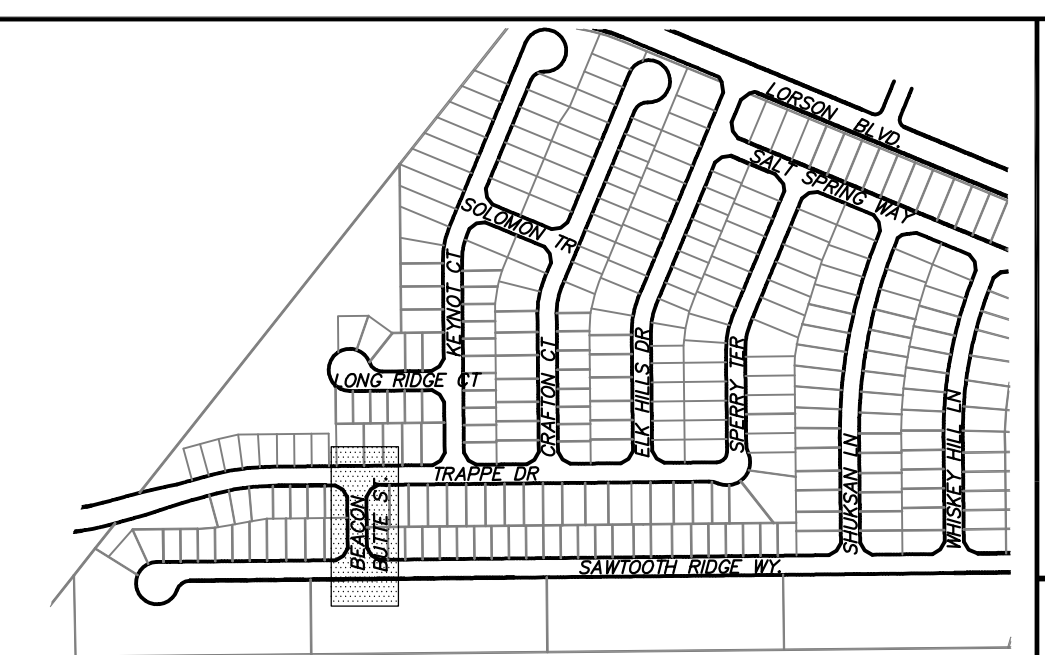
PROJECT NO.  
100.065

SHEET NUMBER  
C8.9

TOTAL SHEETS: 45



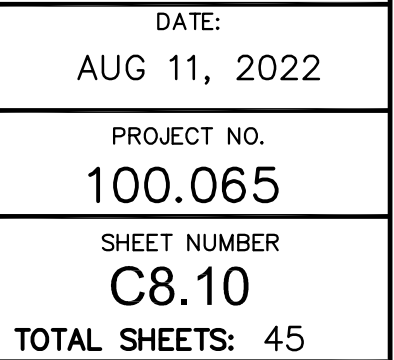
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SCALES: HORIZ. 1"=30'  
VERT. 1"=5'



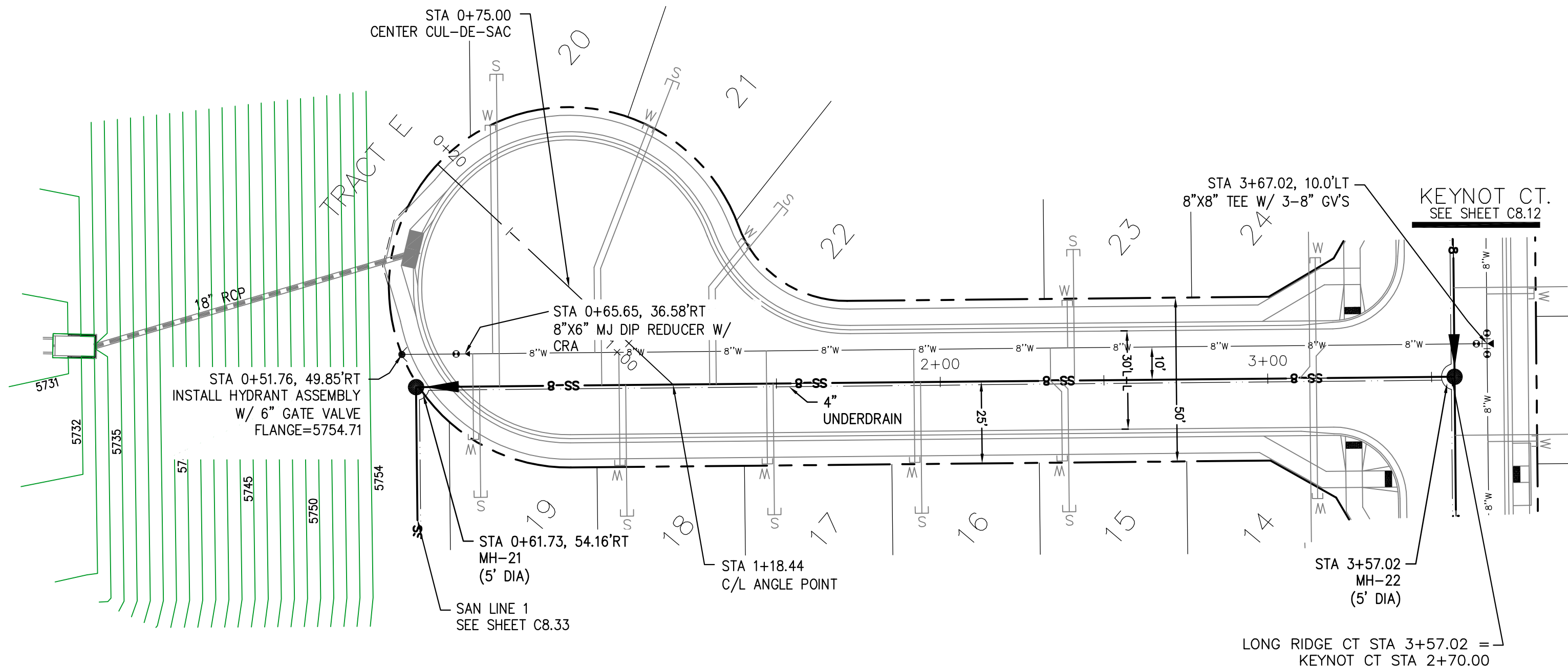
WTM / SAN  
ACON BUTTE PLACE  
STA 0+00 TO 2+80



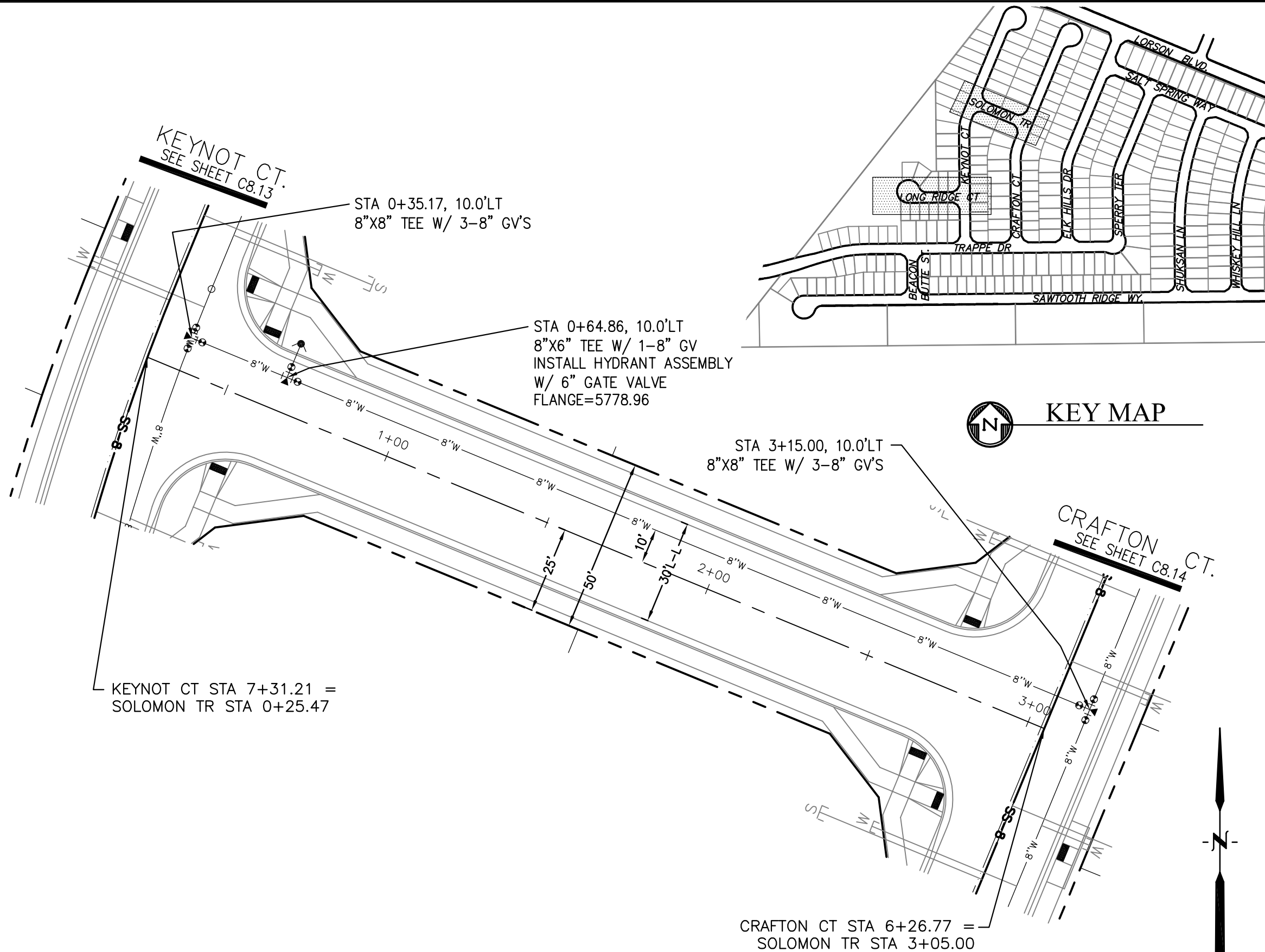


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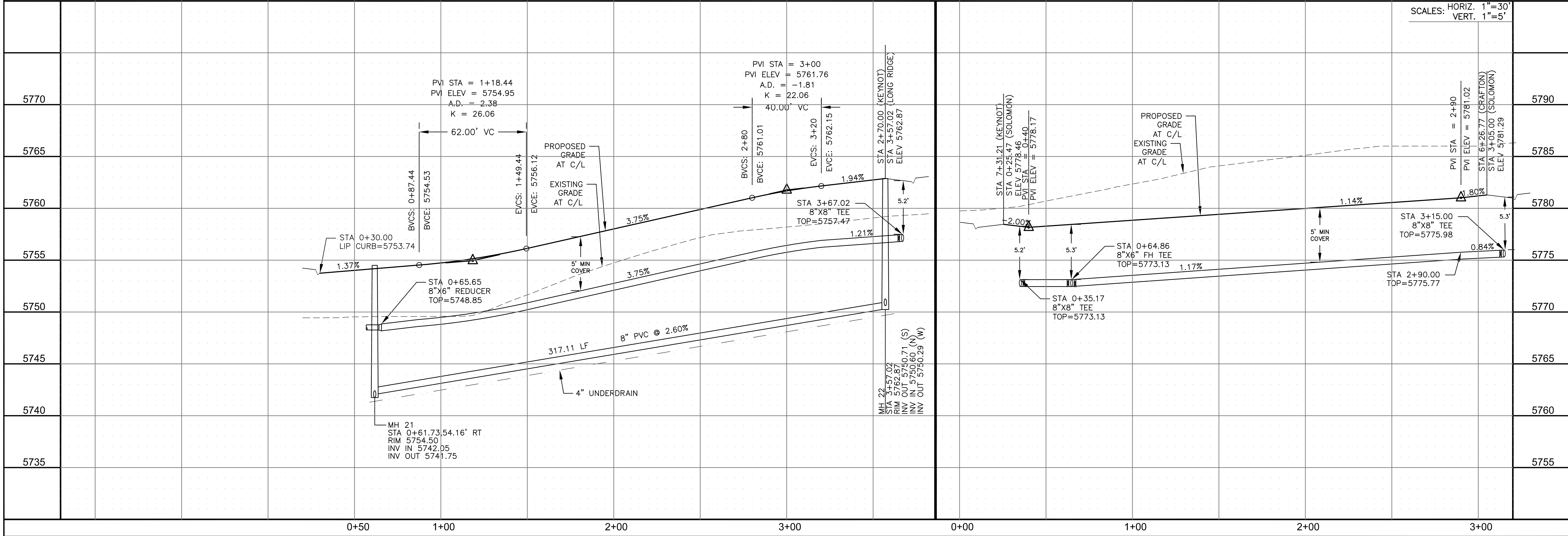
1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



LONG RIDGE COURT



SOLOMON TRAIL



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.  
BURNESVILLE, MO 64304  
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:

HILLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

LONG RIDGE CT & SOLOMON TR

STA 0+00 TO 3+50

DATE:  
AUG 11, 2022

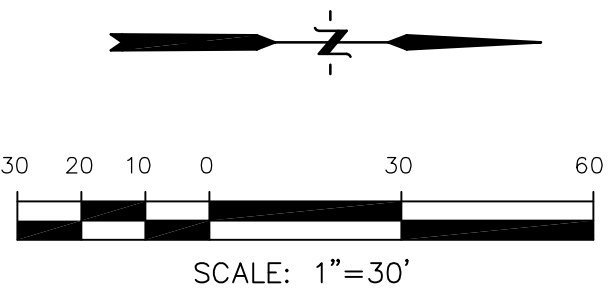
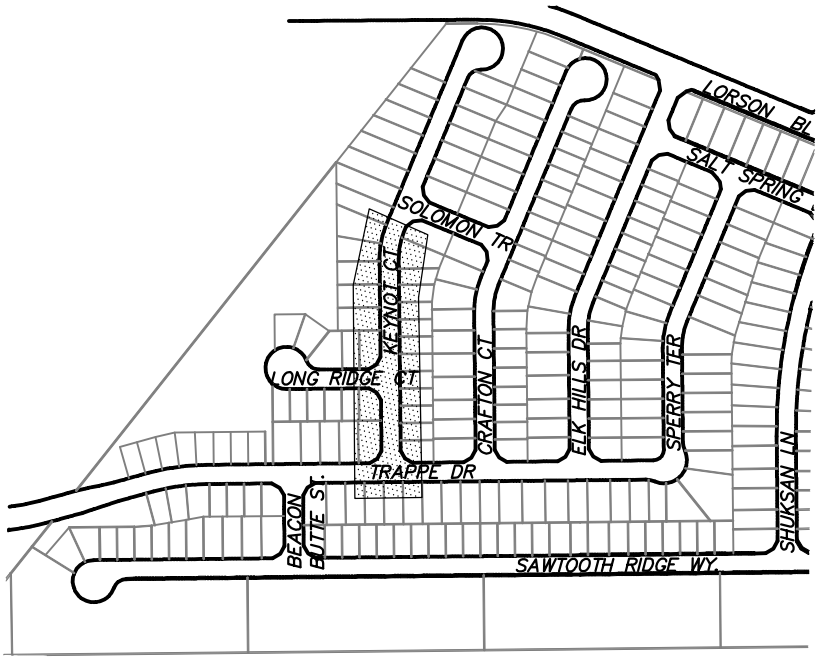
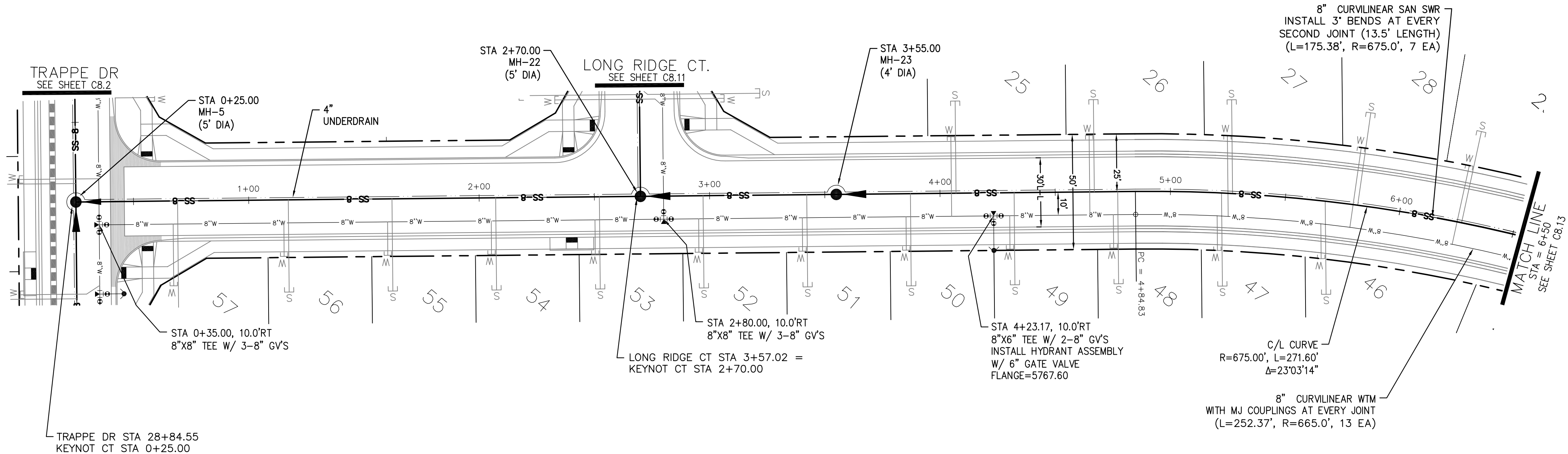
PROJECT NO.  
100.065

SHEET NUMBER  
C8.11

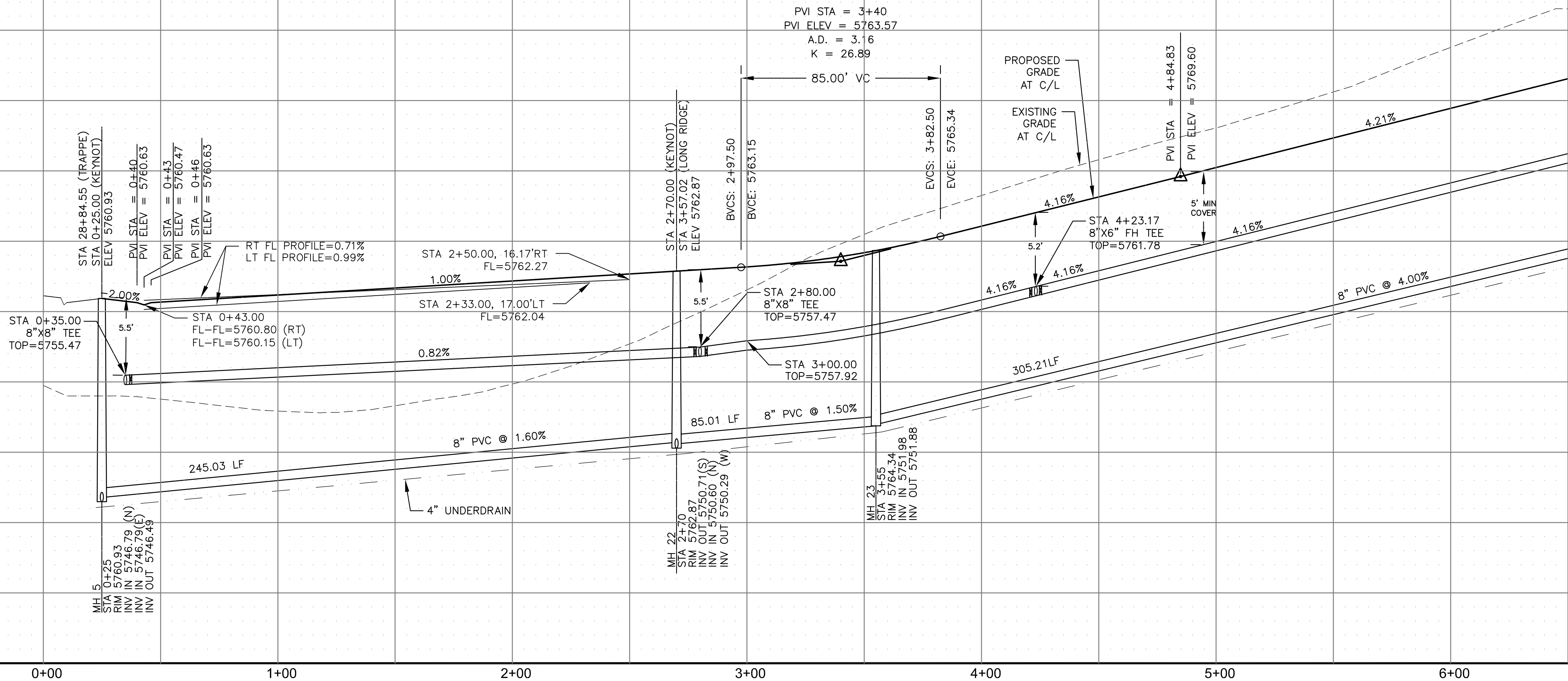
TOTAL SHEETS: 45



- NOTES
1. STATIONING IS AT ROADWAY CENTERLINE.
  2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
  3. ALL 8" & 12" WATERMAIN IS PVC, C900.
  4. ALL WATERMAIN FITTINGS ARE MJ DIP
  5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
  6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
  7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



KEYNOT COURT



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

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

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

PROJECT:  
HILLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

DATE:

AUG 11, 2022

PROJECT NO.

100.065

SHEET NUMBER

C8.12

TOTAL SHEETS: 45

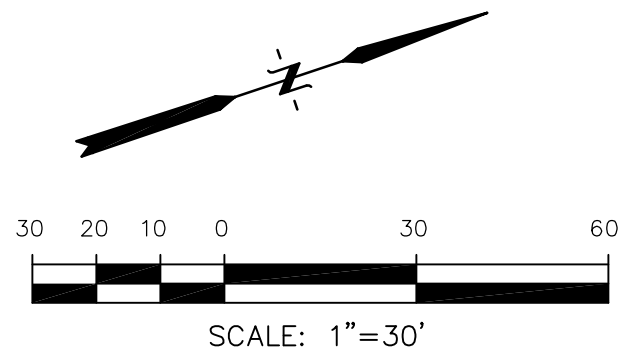
WTM / SAN

KEYNOT COURT

STA 0+00 TO 6+50



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
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5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



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



KEYNOT COURT  
STA 6+50 TO 12+47



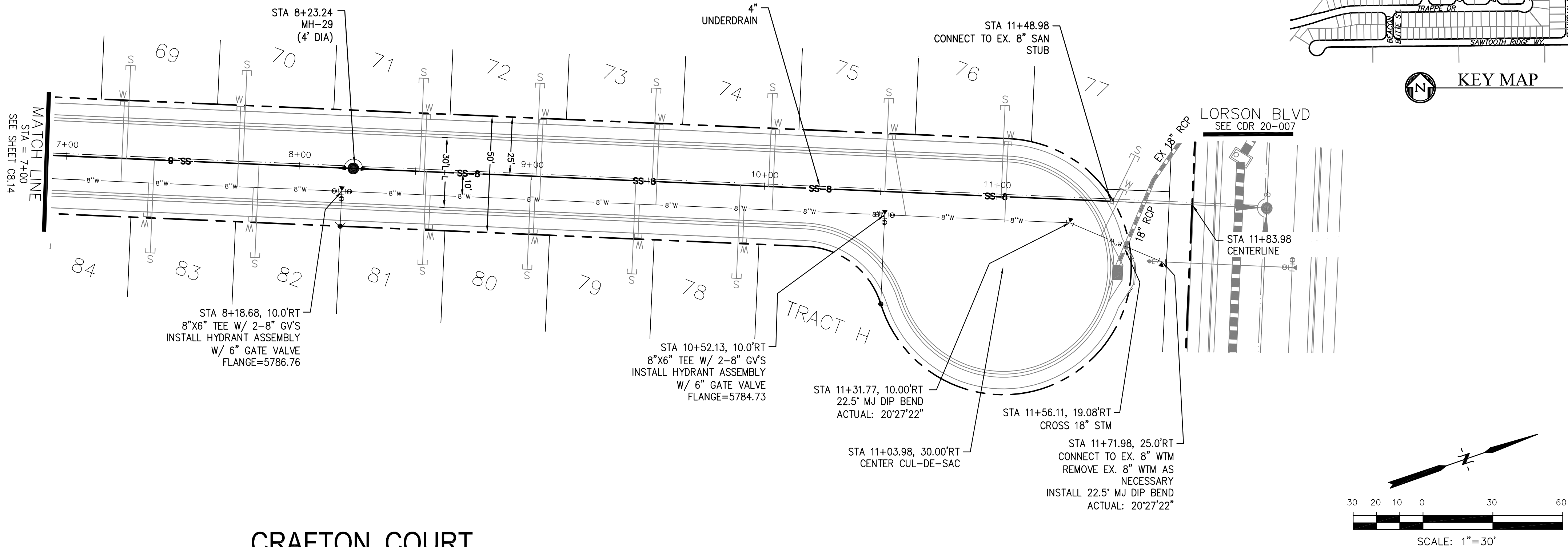
DATE: AUG 11, 2022
PROJECT NO. 100.065
SHEET NUMBER C8.13
TOTAL SHEETS: 45



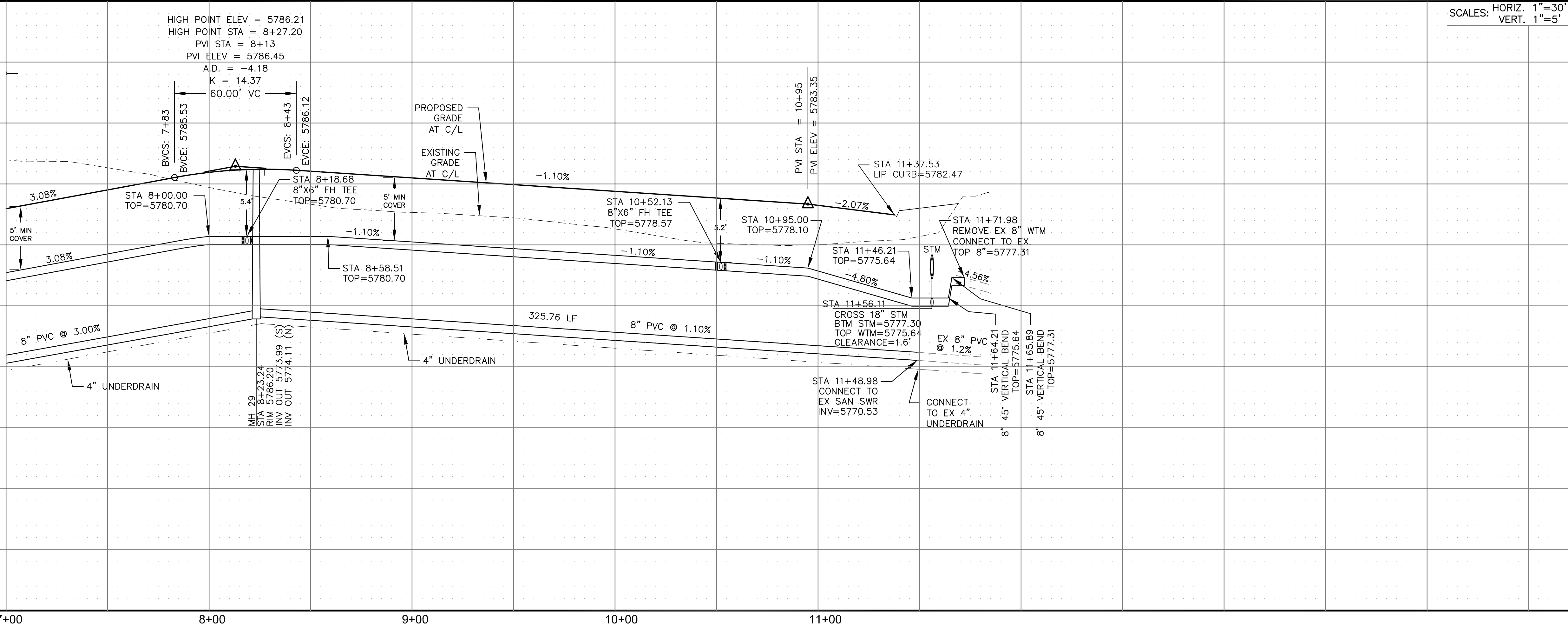




- NOTES
1. STATIONING IS AT ROADWAY CENTERLINE.
  2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
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  5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
  6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
  7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



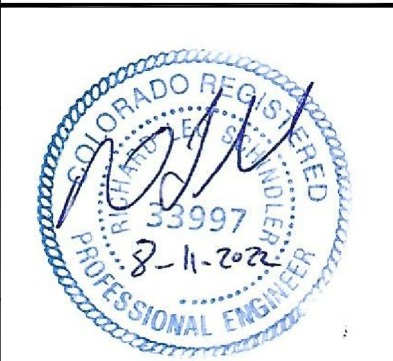
CRAFTON COURT



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

DATE: \_\_\_\_\_  
DESCRIPTION: \_\_\_\_\_  
NO: \_\_\_\_\_  
PROJECT: **HILLSIDE AT LORSON RANCH**  
LORSON BLVD - WALLEYE 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@ceg.com

WTM / SAN  
CRAFTON COURT  
STA 7+00 TO 11+84

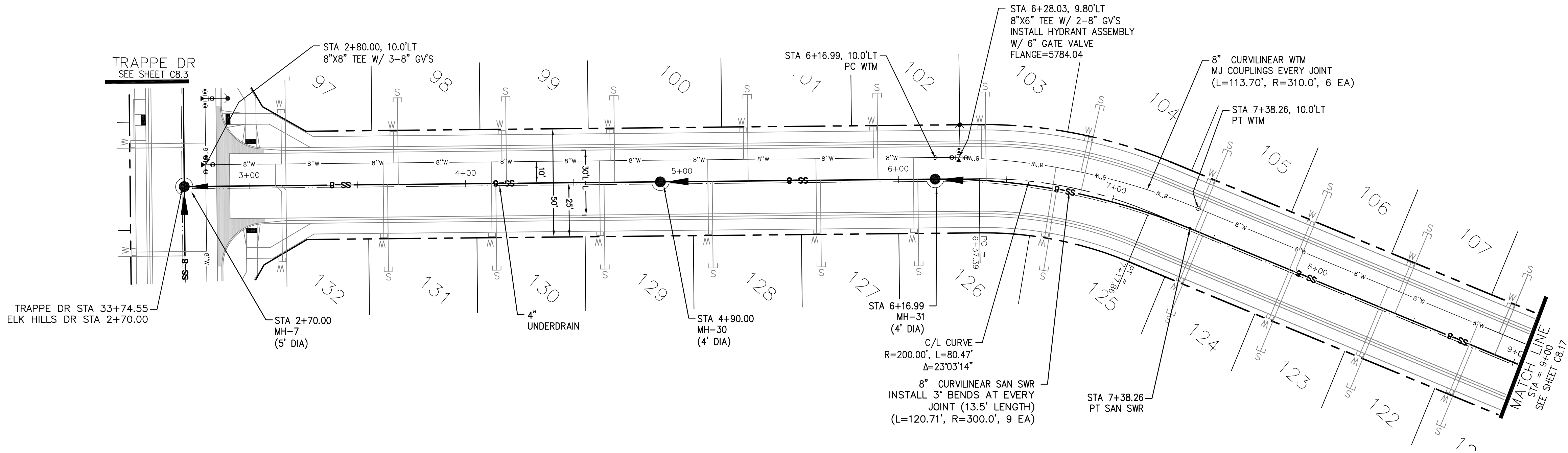


DATE: **AUG 11, 2022**  
PROJECT NO. **100.065**  
SHEET NUMBER **C8.15**  
TOTAL SHEETS: 45

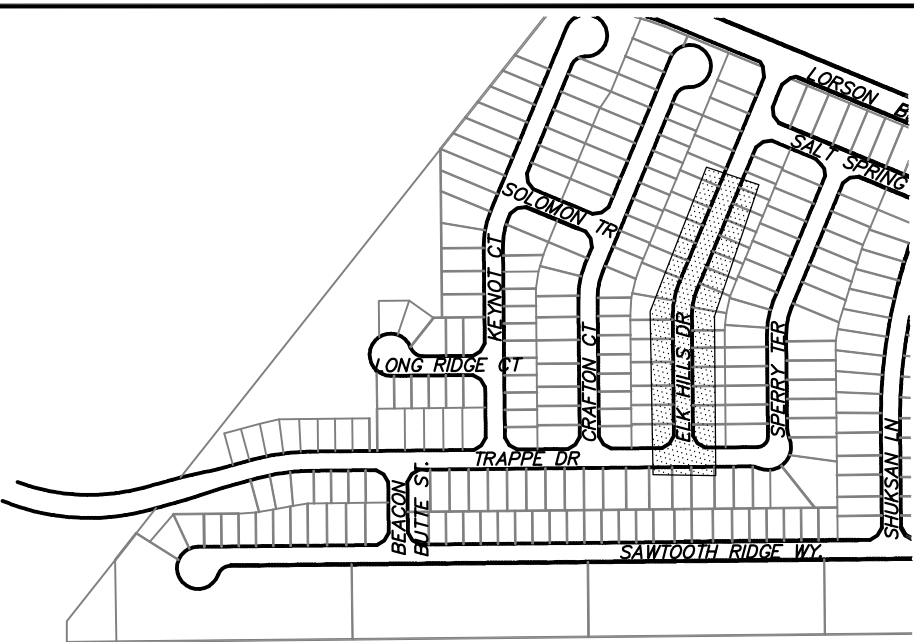
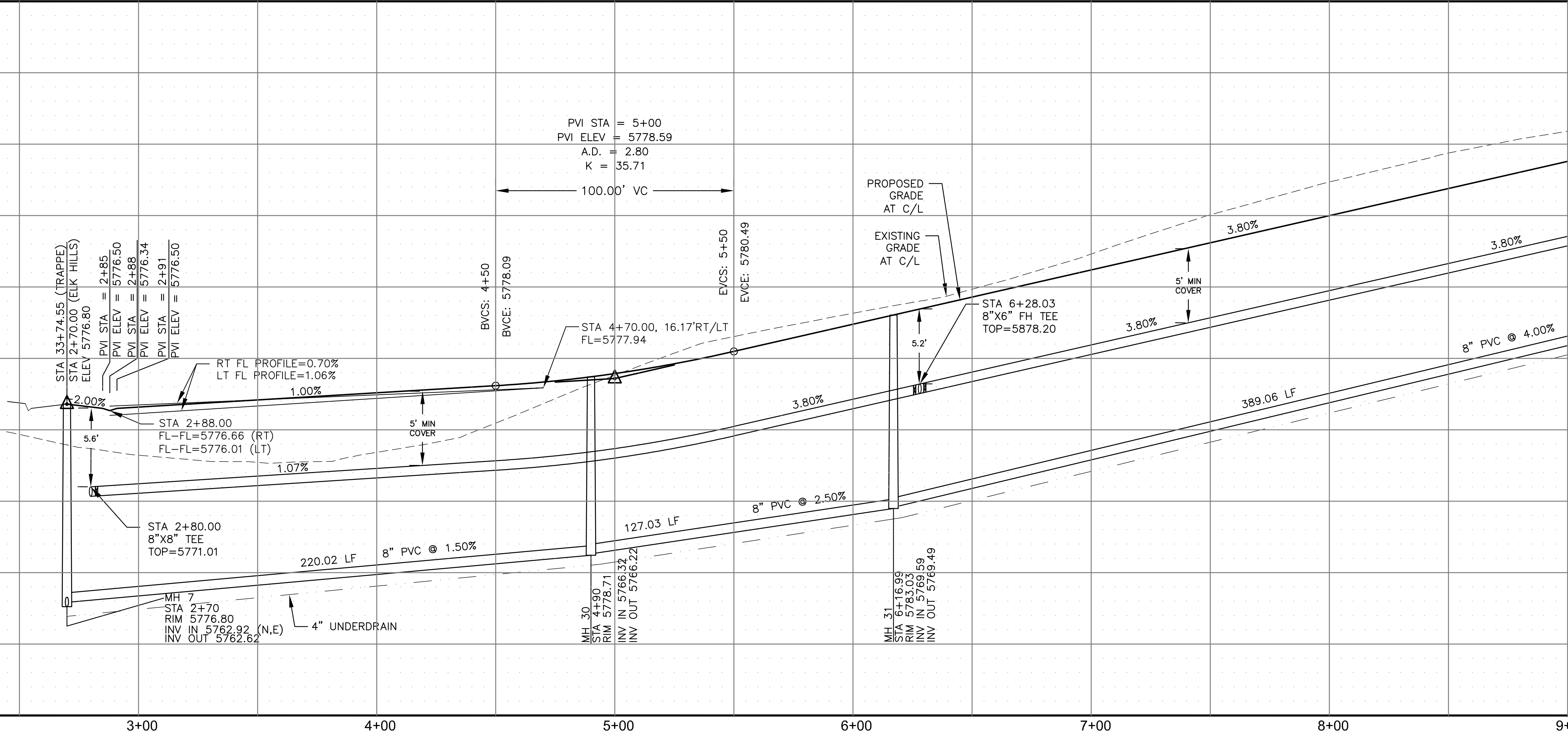


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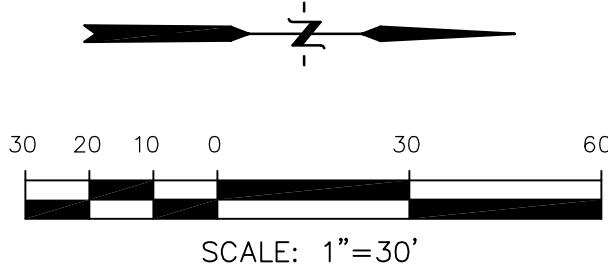
1. STATIONING IS AT ROADWAY CENTERLINE.  
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE  
3. ALL 8" & 12" WATERMAIN IS PVC, C900.  
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5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S  
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES  
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



ELK HILLS DRIVE



KEY MAP



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

DATE  
DESCRIPTION  
NO.  
PROJECT NO.  
PROJECT: **HILLSIDE AT LORSON RANCH**  
LORSON BLVD - WALLEYE 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@ceg.com

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

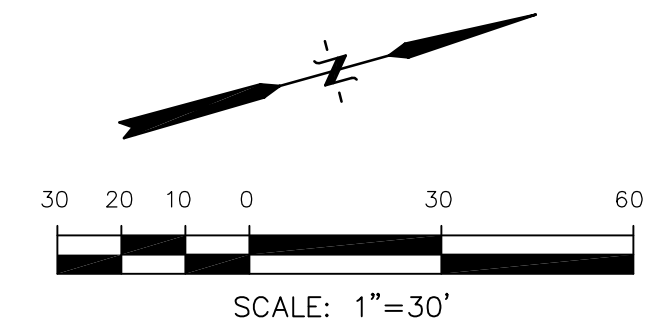
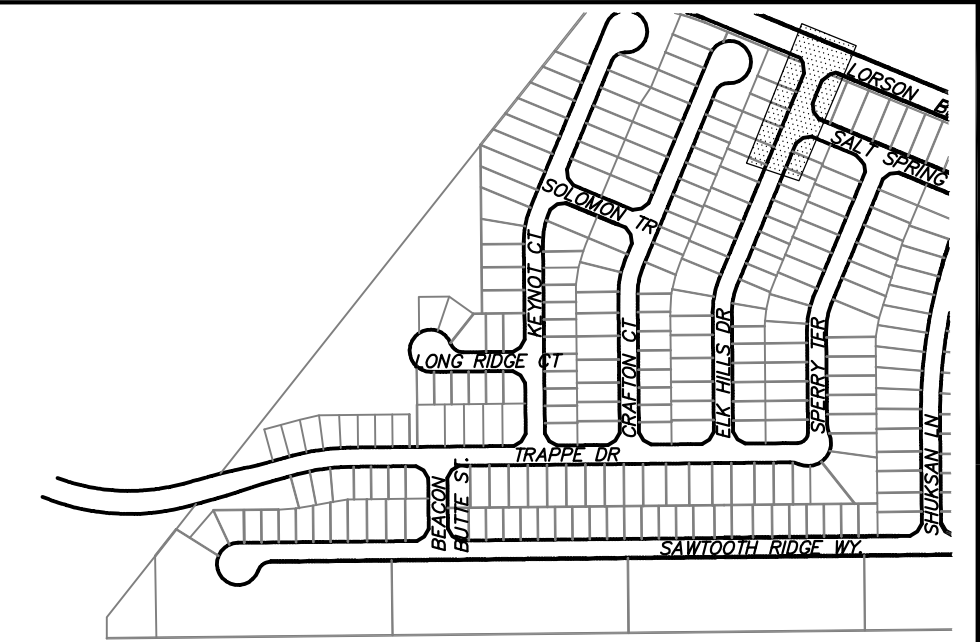
WTM / SAN  
ELK HILLS DRIVE  
STA 2+70 TO 9+00



DATE:  
AUG 11, 2022  
PROJECT NO.  
100.065  
SHEET NUMBER  
C8.16  
TOTAL SHEETS: 45



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



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



ELK HILLS DRIVE  
STA 9+00 TO 13+61



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
**C8.17**  
TOTAL SHEETS: 45

# CORE ENGINEERING GROUP

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

[illegible]

PROJECT: HILLSIDE AT LORSON RANCH  
LORSON BLVD. - WALLEYE DB

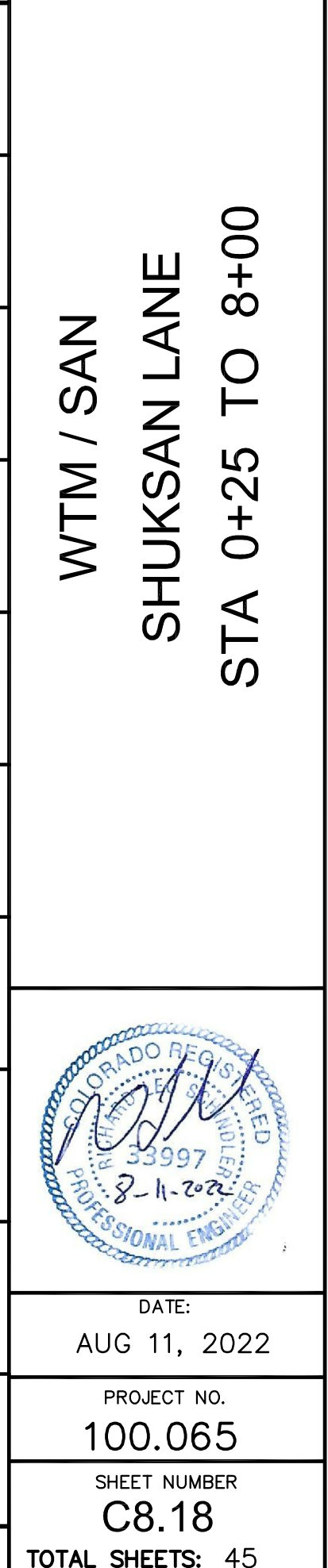
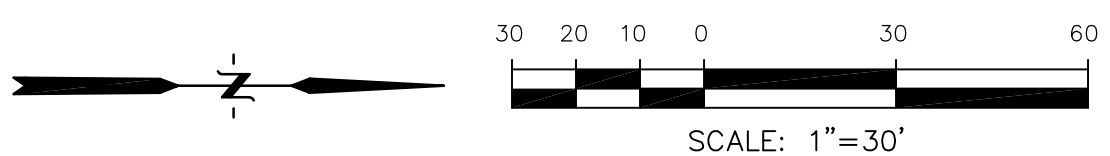
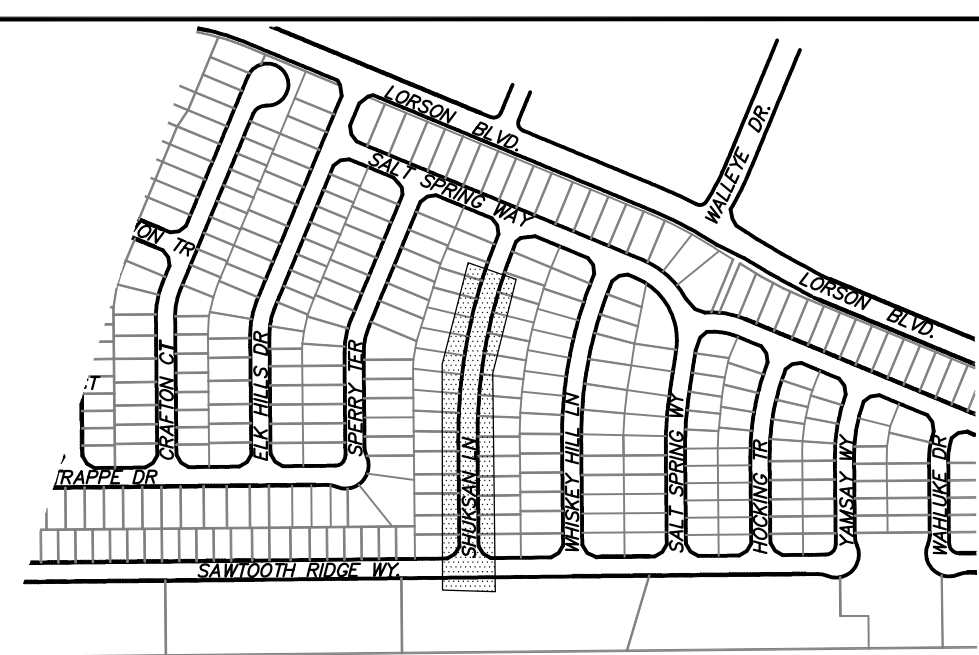
PREPARED FOR: LORSON, LLC  
212 N. WAHSATCH AVE, SUITE 301  
COLORADO SPRINGS, COLORADO 80903  
(719) 576 3000

DRAWN:	R
DESIGNED:	R
CHECKED:	R

DRAWN:	R
DESIGNED:	R
CHECKED:	R



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
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6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



WTM / SAN

SHUKSAN LANE

STA 0+25 TO 8+00



DATE:  
AUG 11, 2022

PROJECT NO.	100.065
-------------	---------

SHEET NUMBER  
C8.18

TOTAL SHEETS: 45

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

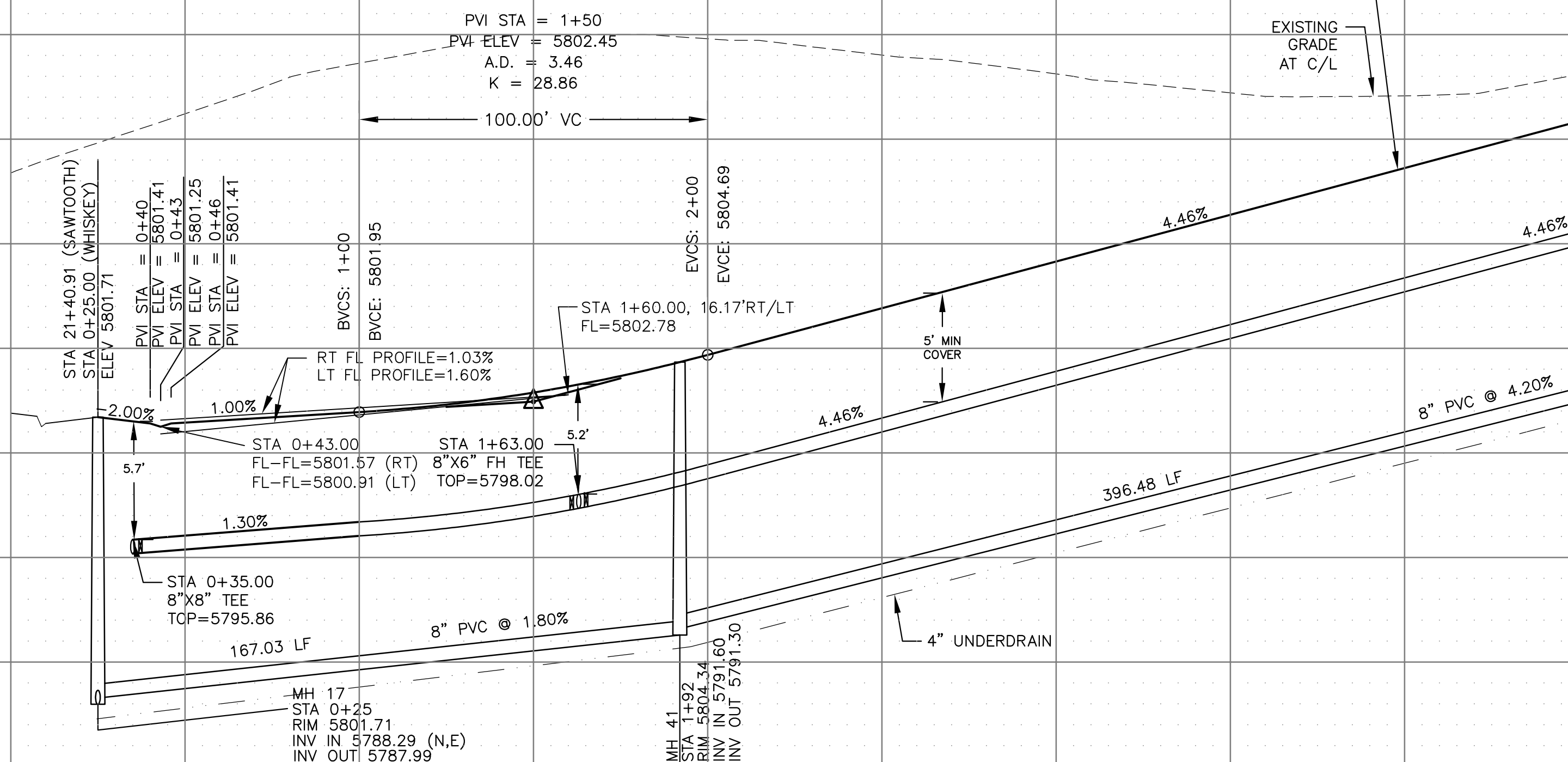
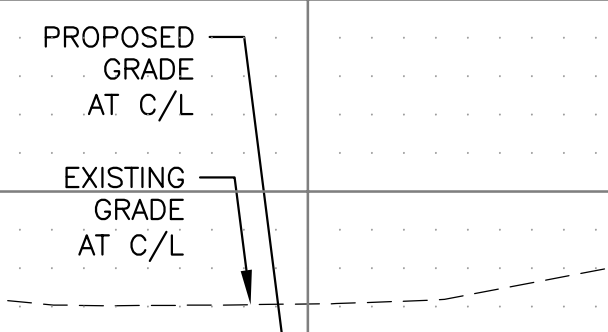
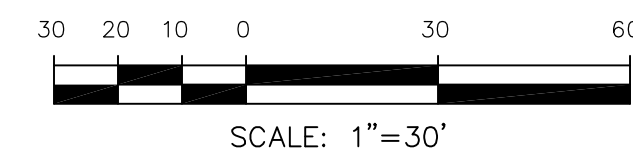
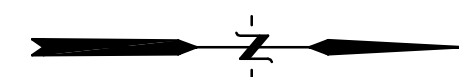
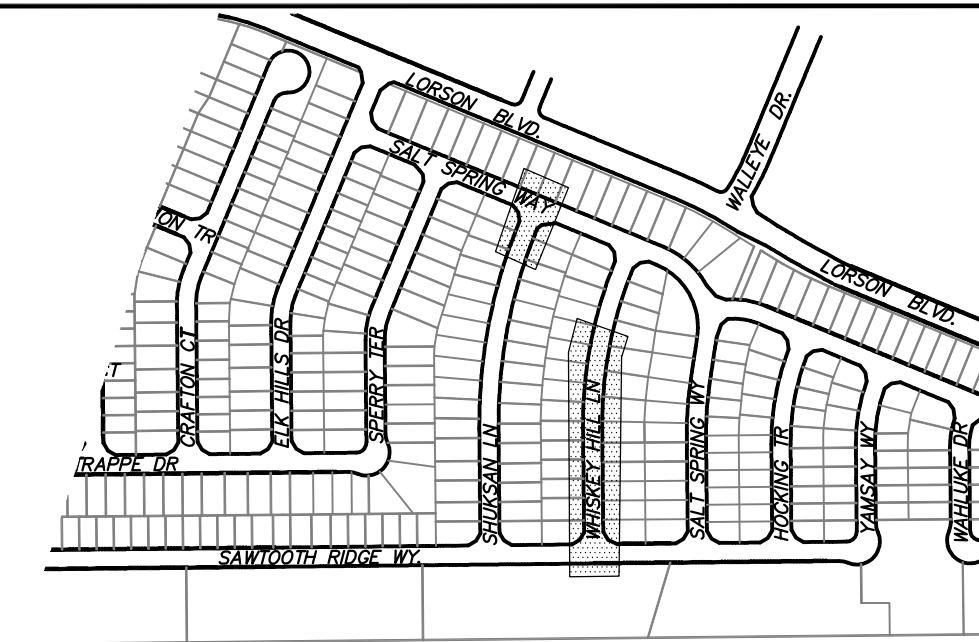
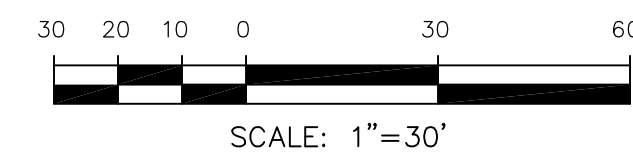
ION	DATE
PREPARED FOR:	
<b>LORSON, LLC</b> 212 N. WAHSATCH AVE. SUITE 301 COLORADO SPRINGS, COLORADO 80903	

	DESCR
SUBJECT:	HILLSIDE AT LORSON RANCH

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
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5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



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

ON	DATE

PREPARED FOR:

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

[illegible]

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

WTM / SAN  
SHUKSAN LANE & WHISKEY HILL LN  
STA 8+00 TO 9+54 0+25 TO 4+50



DATE:  
AUG 11, 2022

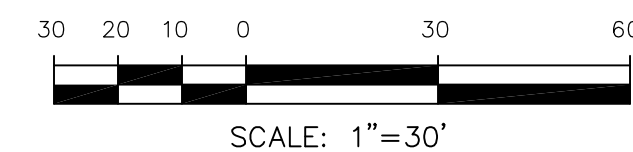
PROJECT NO.  
100.065

SHEET NUMBER  
C8.19

**TOTAL SHEETS: 45**



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
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5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



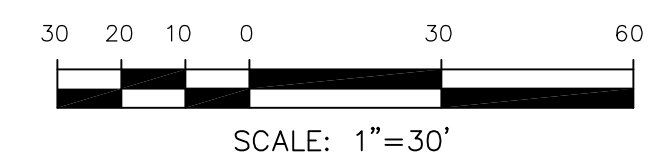
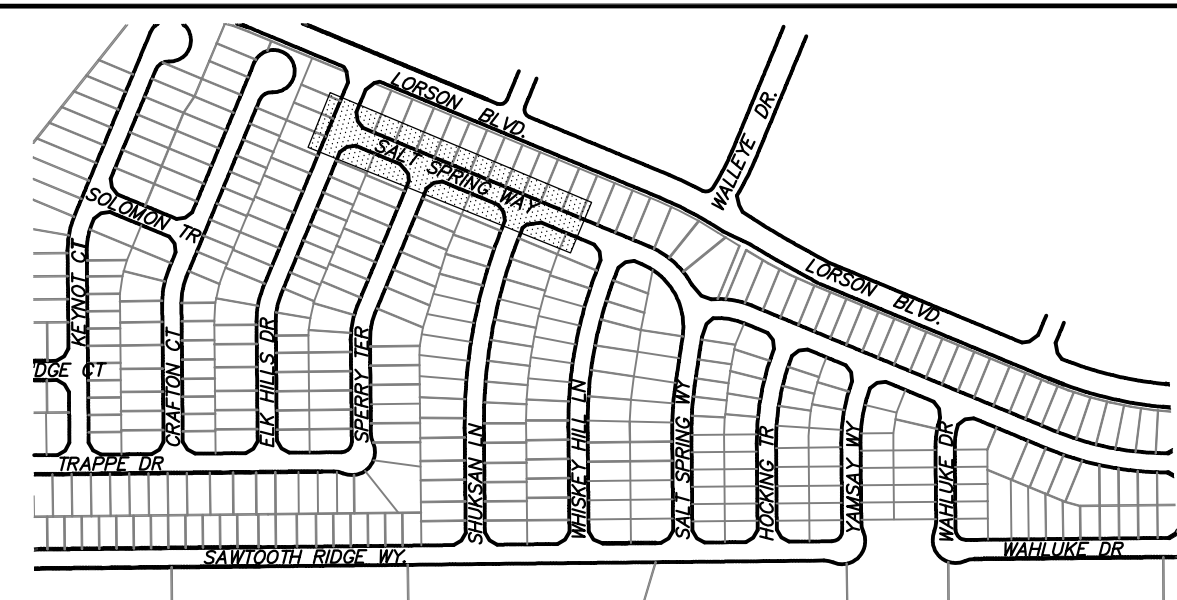
SCALES: HORIZ. 1"=30'  
VERT. 1"=5'

DATE:	AUG 11, 2022
PROJECT NO.	100.065
SHEET NUMBER	C8.20
TOTAL SHEETS: 45	

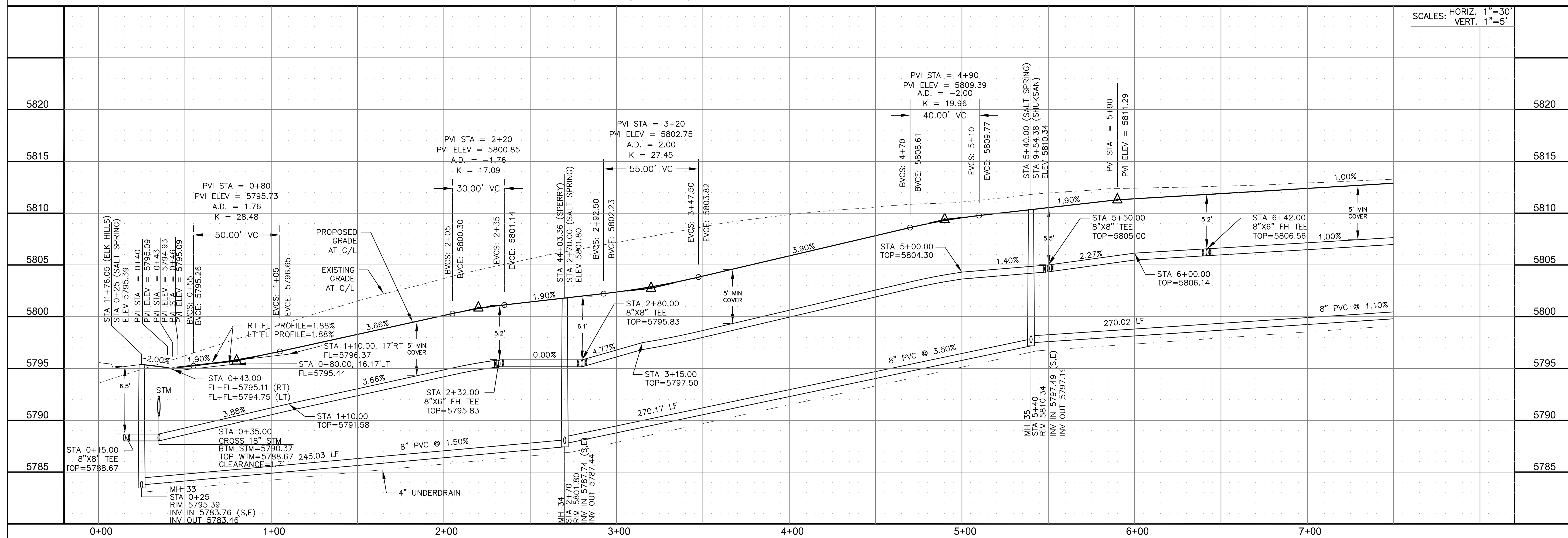
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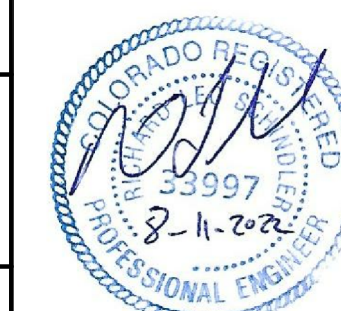
1. STATIONING IS AT ROADWAY CENTERLINE.
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6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



SALT SPRING WAY



WTM / SAN  
SALT SPRING WAY  
STA 0+25 TO 7+50



DATE:	AUG 11, 2022
PROJECT NO.	100.065
SHEET NUMBER	C8.21
TOTAL SHEETS: 45	

**CORE**  
**ENGINEERING GROUP**  
15004 1ST AVENUE S.  
BURNSVILLE, MN 55306  
PHONE: 719.570.1700  
CONTACT: RICHARD L. SCHINDLER, P.E.  
EMAIL: Rich@ceg1.com

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

DESC
<p> <b>AT LORSON RANCH</b>            LORSON BLVD -- WALLEYE DR            COLORADO SPRINGS, COLORADO         </p>

DRAWN:	RLS
DESIGNED:	RLS
CHECKED:	RLS

DATE

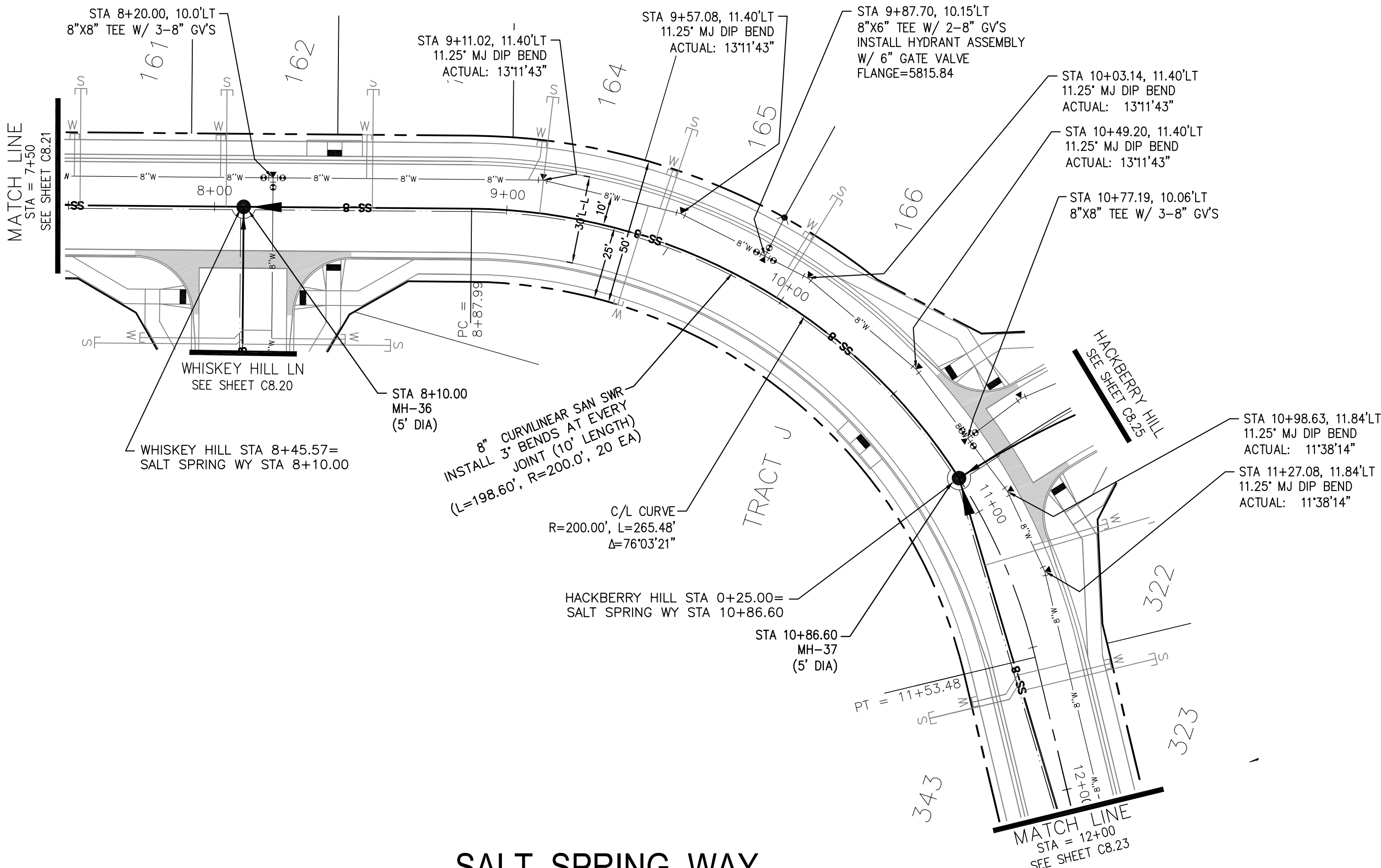
DESCRIPTION

No.

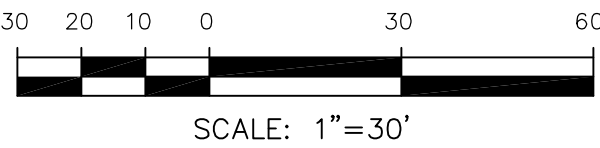


NOTES

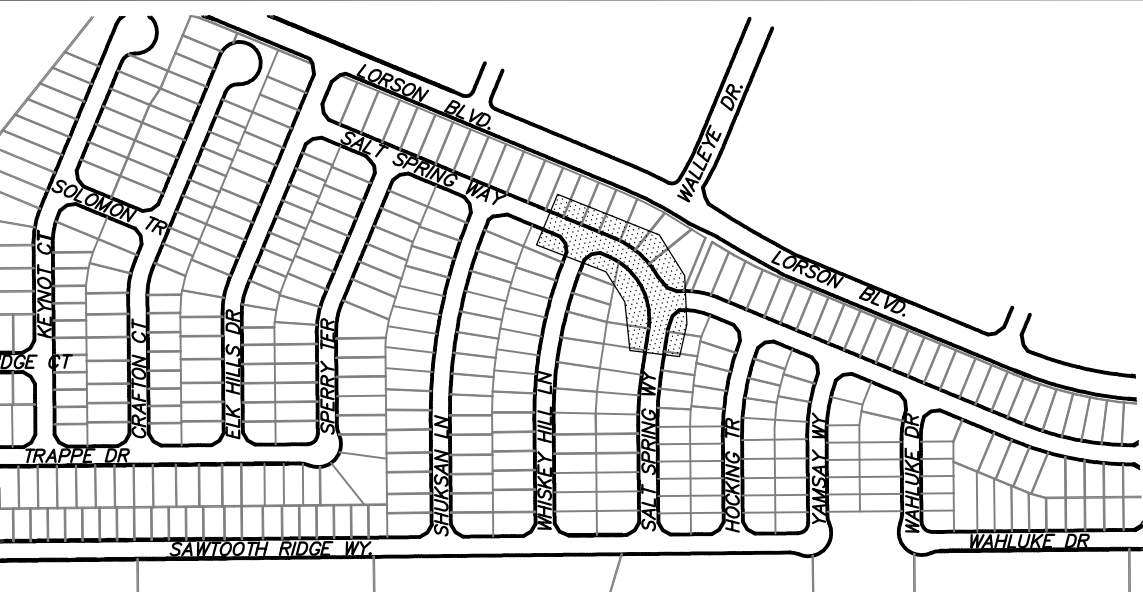
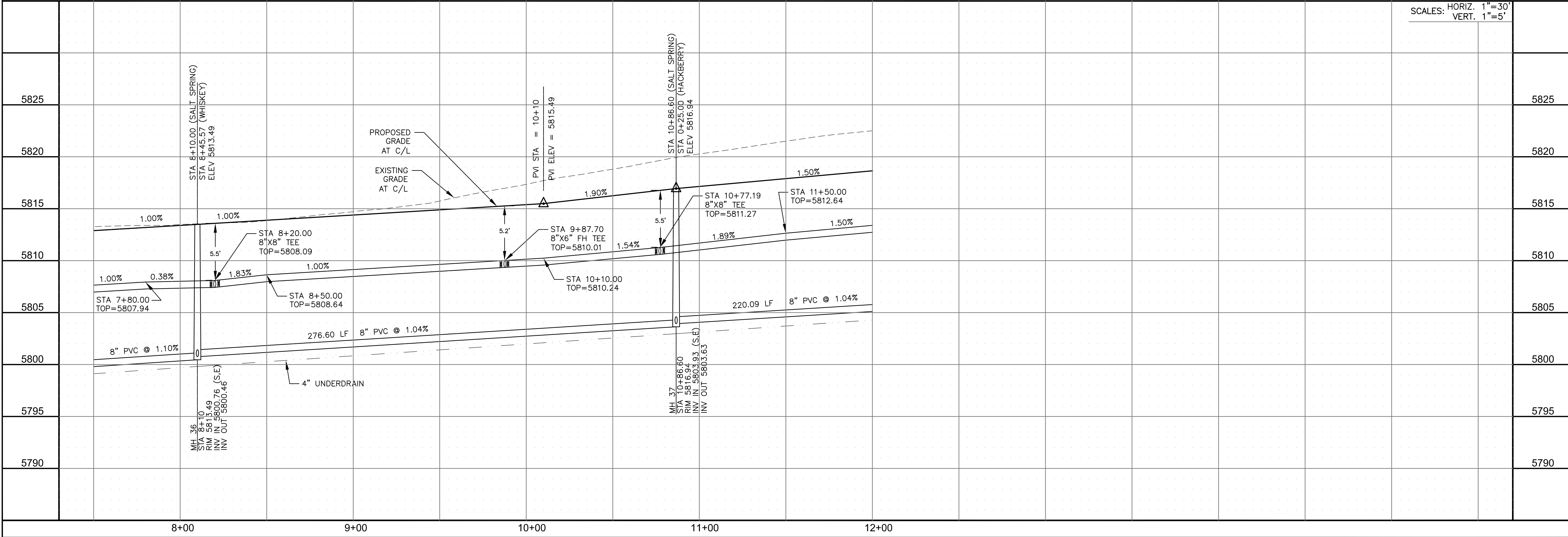
1. STATIONING IS AT ROADWAY CENTERLINE.
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6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



SALT SPRING WAY



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



KEY MAP

CORE  
ENGINEERING GROUP

15004 1ST AVENUE S.  
BURNING WOOD, CO 80903  
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:  
HILLSIDE AT LORSON  
RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

WTM / SAN  
SALT SPRING WAY  
STA 7+50 TO 12+00

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

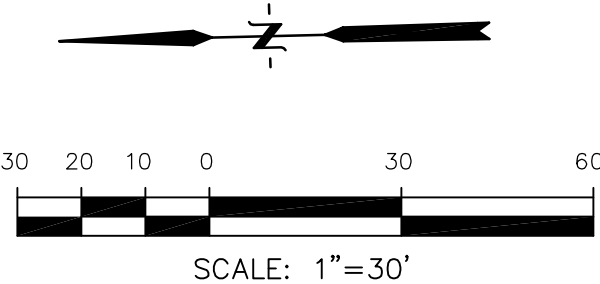
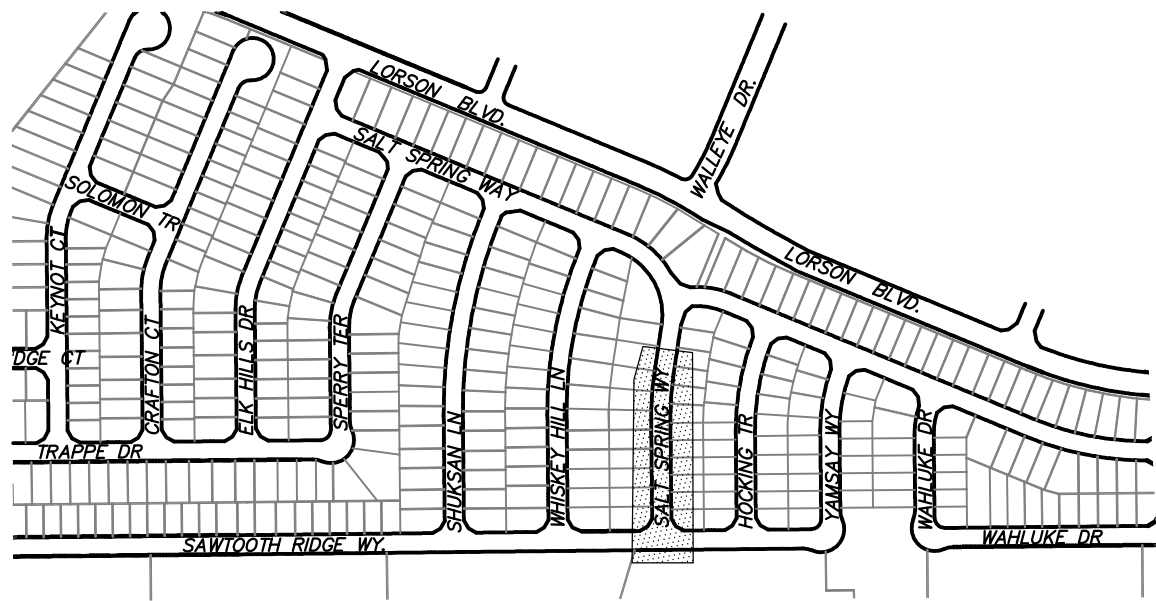
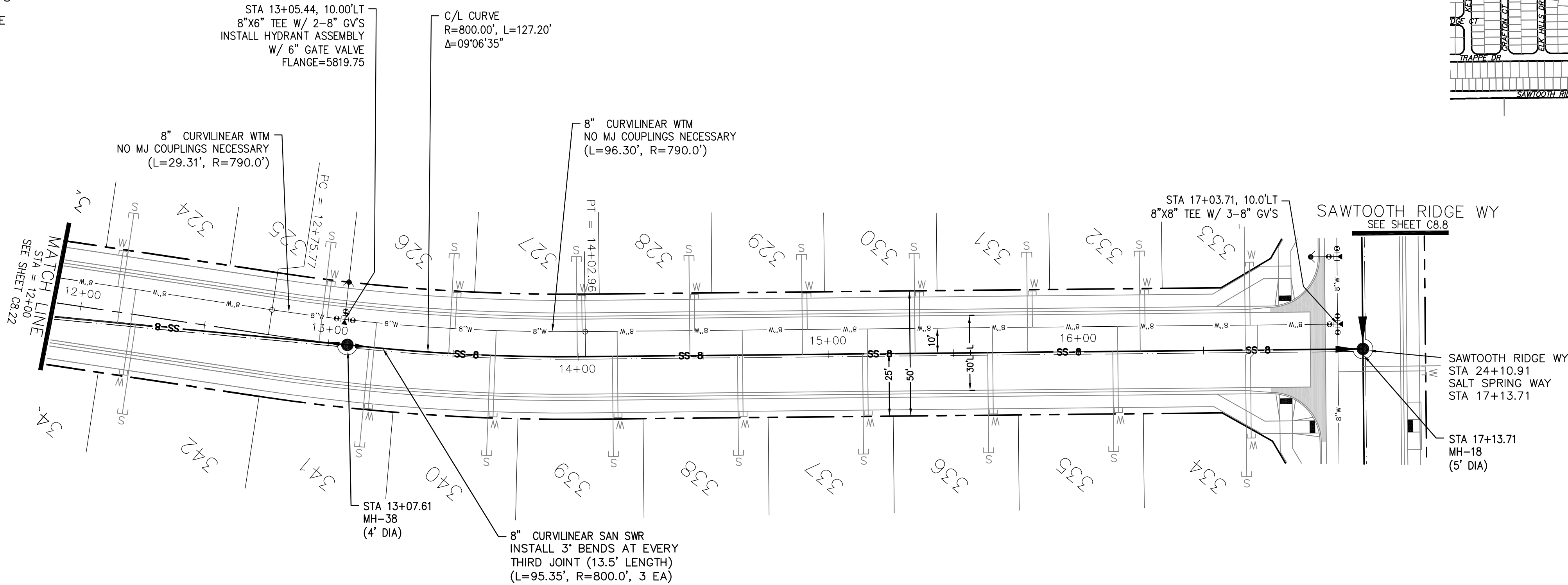
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TOTAL SHEETS: 45

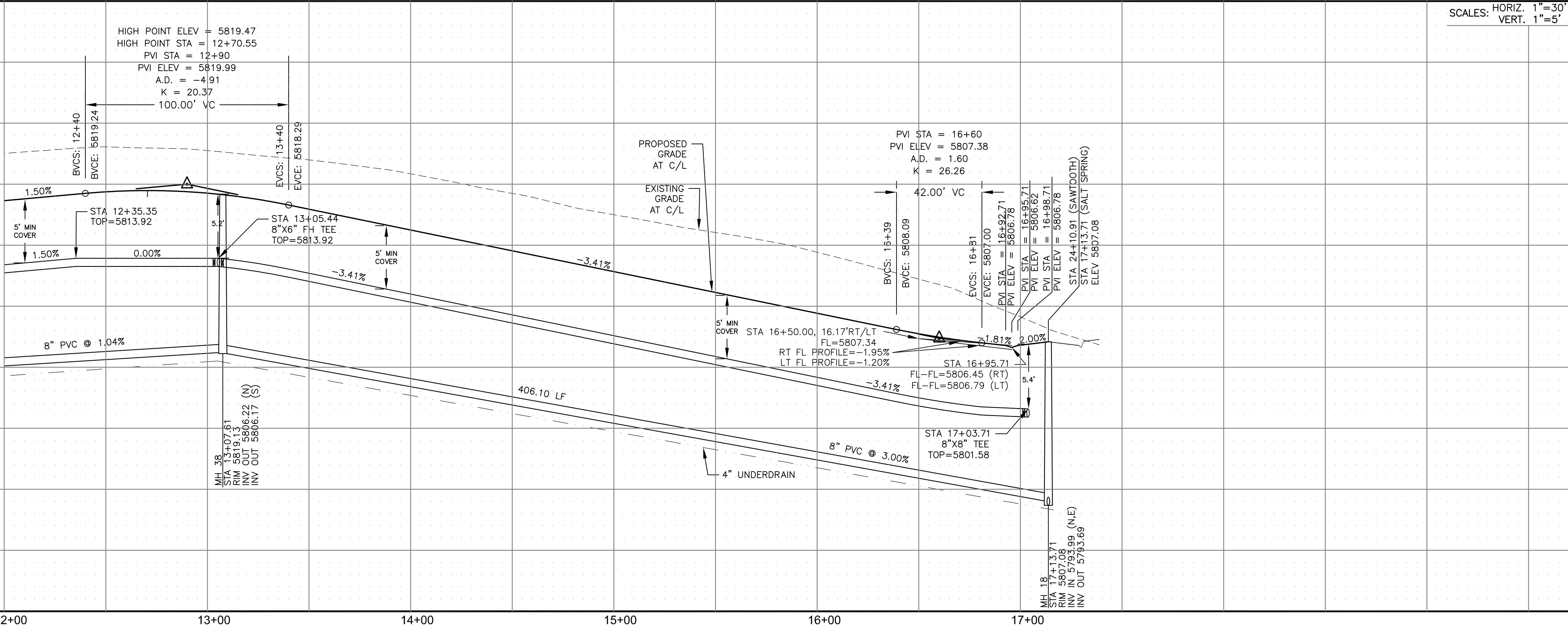


NOTES

1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE.
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
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6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



SALT SPRING WAY



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

WTM / SAN  
SALT SPRING WAY  
STA 12+00 TO 17+13



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C8.23

TOTAL SHEETS: 45

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

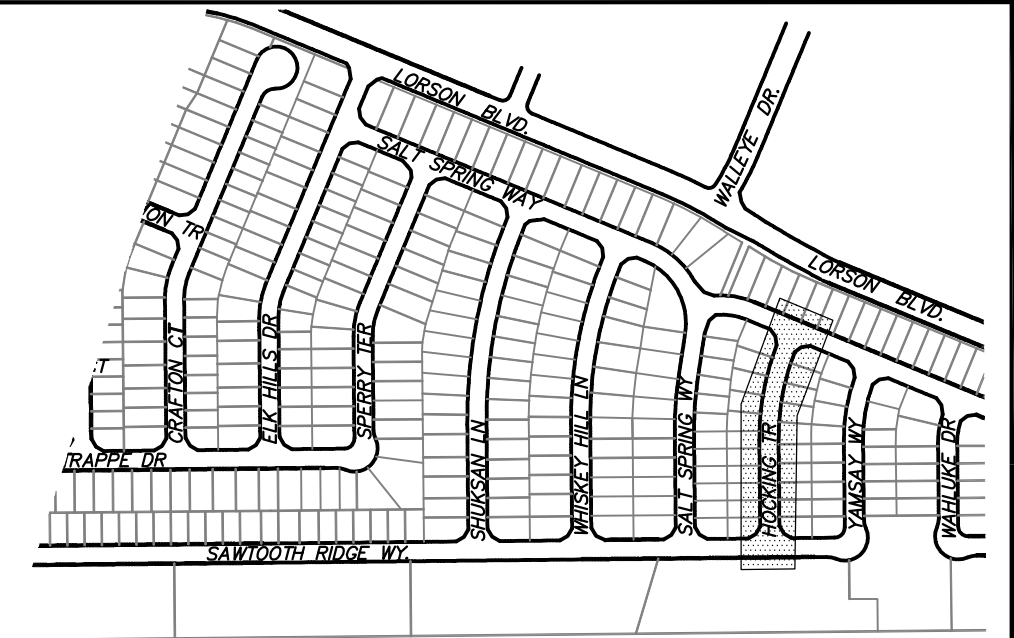
DATE  
DESCRIPTION  
NO.  
PREPARED FOR:  
LORSON, LLC  
212 N. WAHSATCH AVE. SUITE 301  
COLORADO SPRINGS, COLORADO 80903  
CONTACT: JEFF MARK

PROJECT:  
HILLSIDE AT LORSON  
RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

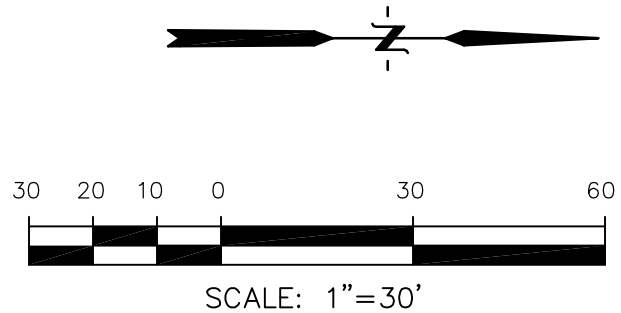
DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
3. ALL 8" & 12" WATERMAIN IS PVC, C900.
4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



## KEY MAP



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



HOCKING TRAIL  
STA 0+25 TO 6+05



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

C8.24

# CORE

---

## ENGINEERING GROUP

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

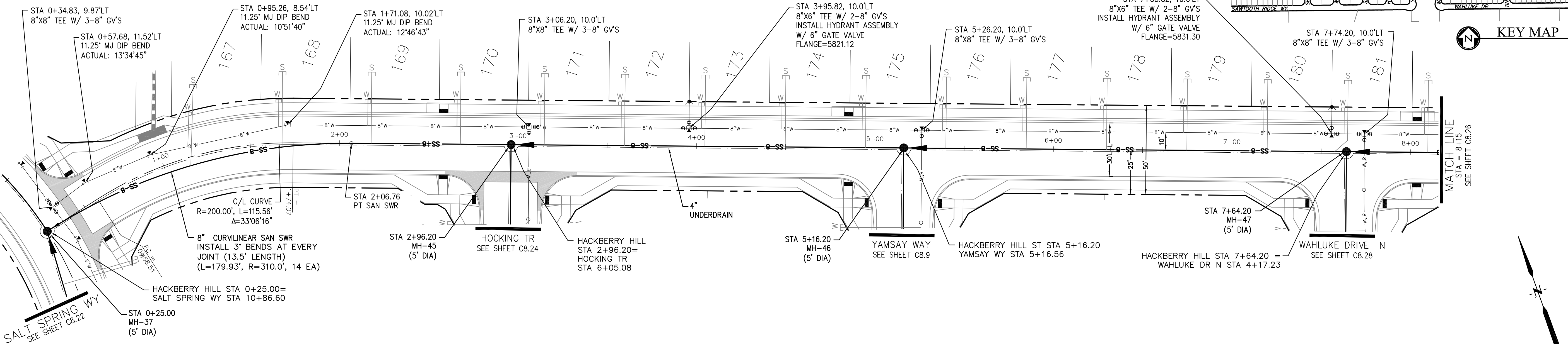
PREPARED FOR:  
**LORSON, LLC**  
212 N. WAHSATCH AVE, SUITE 301  
COLORADO SPRINGS, COLORADO 80903

ct: LLSIDE AT LORSON RANCH

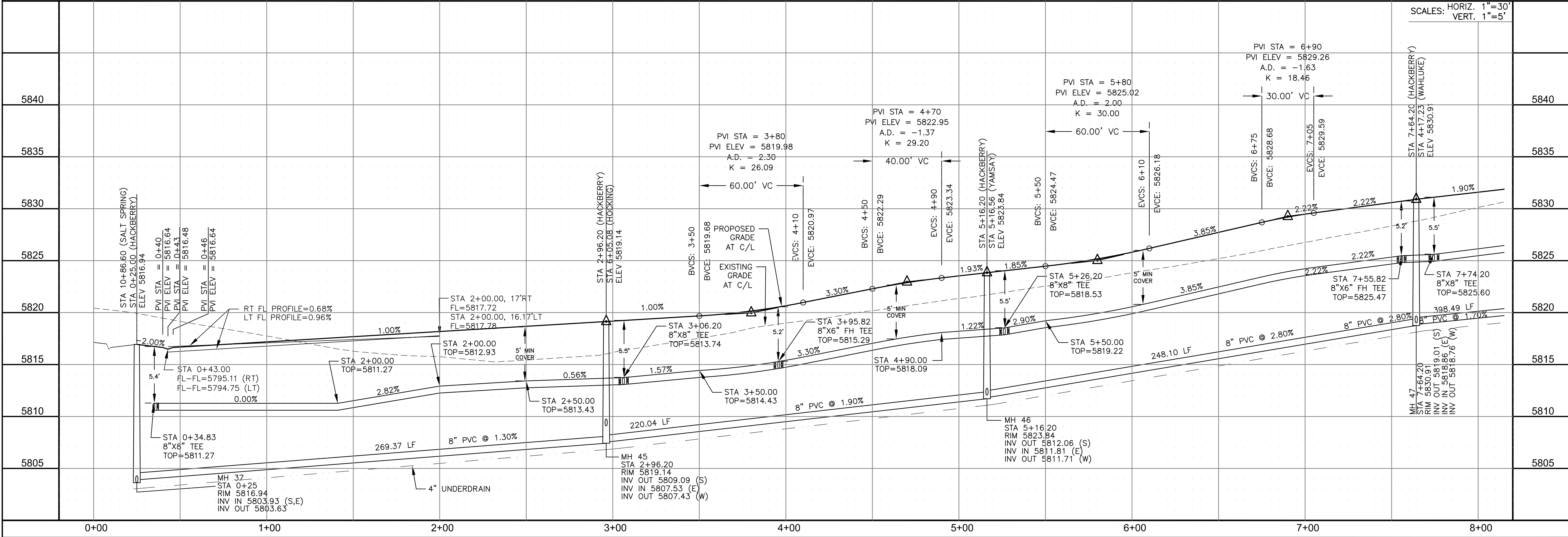
DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS



- NOTES
1. STATIONING IS AT ROADWAY CENTERLINE.
  2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
  3. ALL 8" & 12" WATERMAIN IS PVC, C900.
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  6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
  7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



HACKBERRY HILL STREET



CORE

ENGINEERING GROUP

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

DATE

DESCRIPTION

NO.

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

PROJECT: HILLSIDE AT LORSON RANCH

PREPARED FOR: LORSON, LLC

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

SCALE: 1"=30'

SCALE: 1"=5'

DATE: AUG 11, 2022

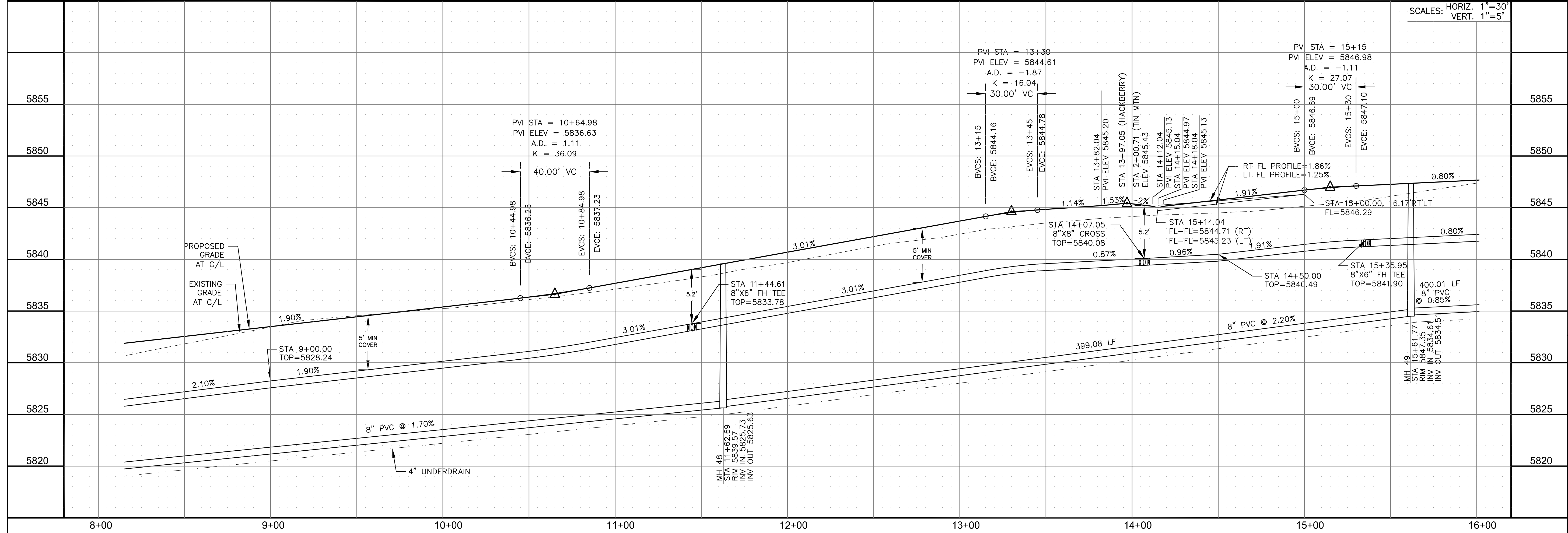
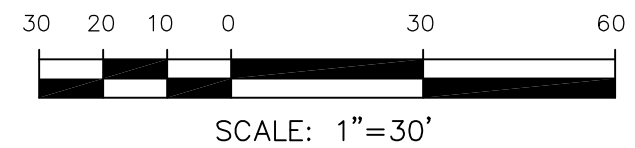
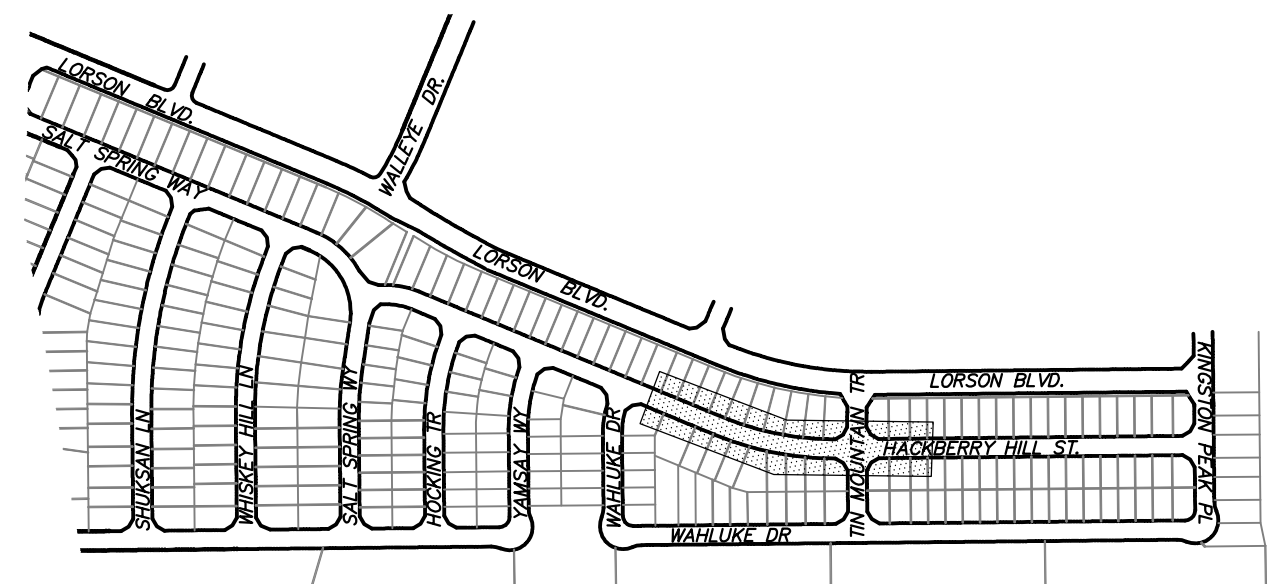
PROJECT NO. 100.065

SHEET NUMBER C8.25

TOTAL SHEETS: 45



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
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4. ALL WATERMAIN FITTINGS ARE MJ DIP
5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



WTM / SAN  
HACKBERRY HILL STREET  
STA 8+15 TO 16+00



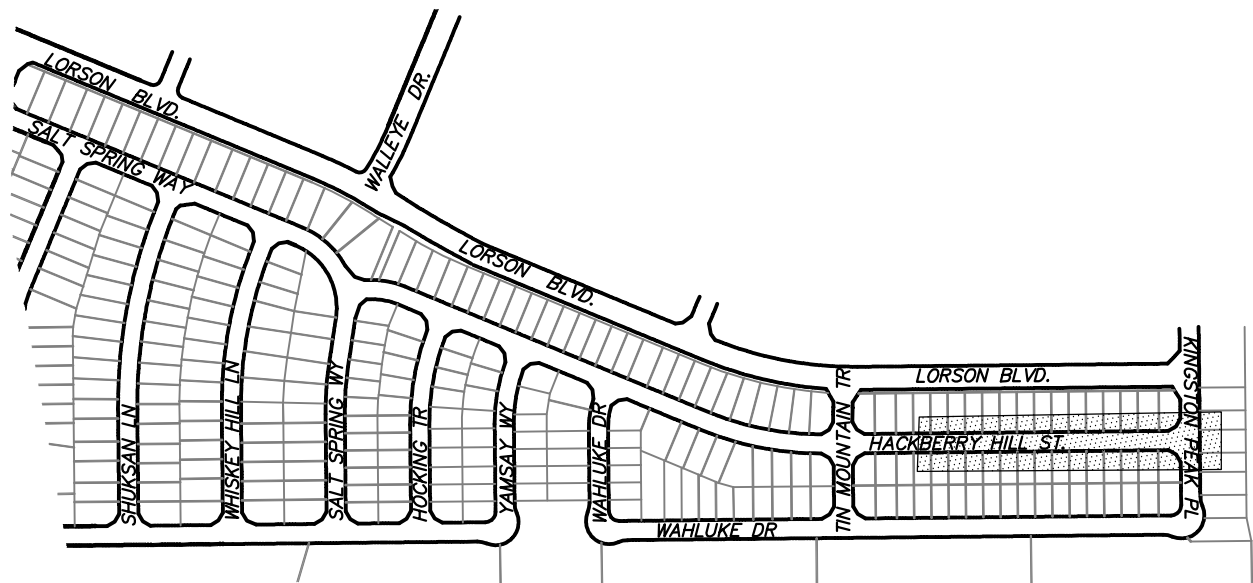
DATE:	AUG 11, 2022
PROJECT NO.	100.065
SHEET NUMBER	C8.26
TOTAL SHEETS: 45	

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

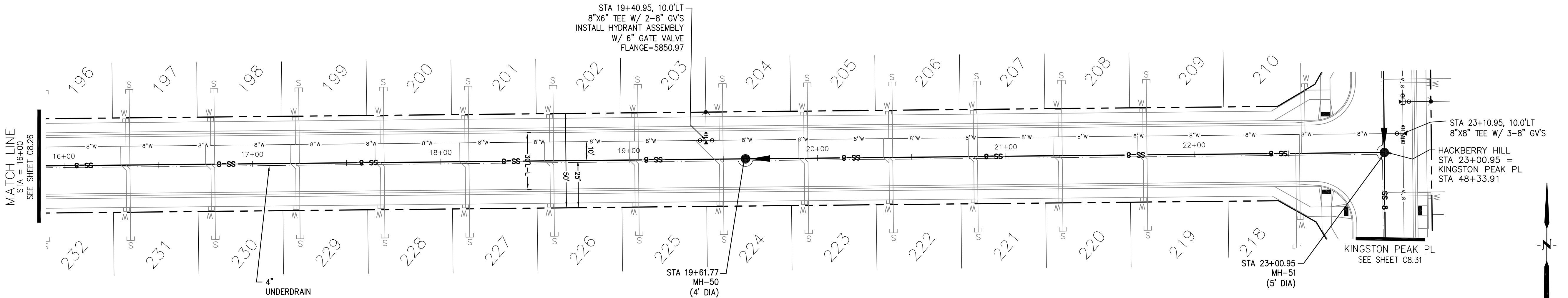


NOTES

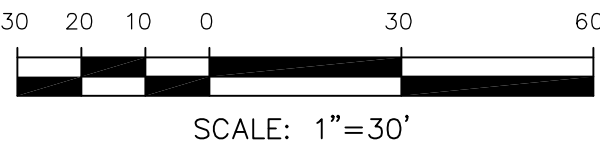
1. STATIONING IS AT ROADWAY CENTERLINE.
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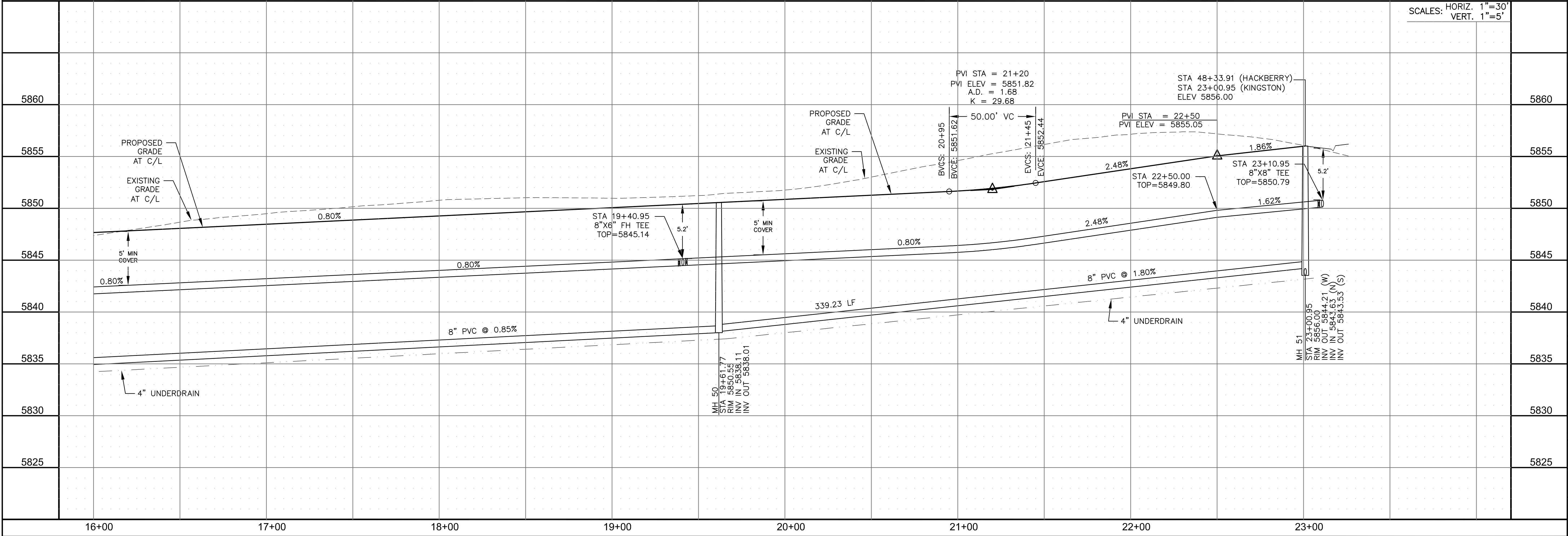
KEY MAP



HACKBERRY HILL STREET



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



CORE

ENGINEERING GROUP

15004 1ST AVENUE S.  
BURNING WOOD, UT 84001  
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  
CONTACT: JEFF MARK

PROJECT:  
HILLSIDE AT LORSON  
RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

HACKBERRY HILL STREET

STA 16+00 TO 23+00

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

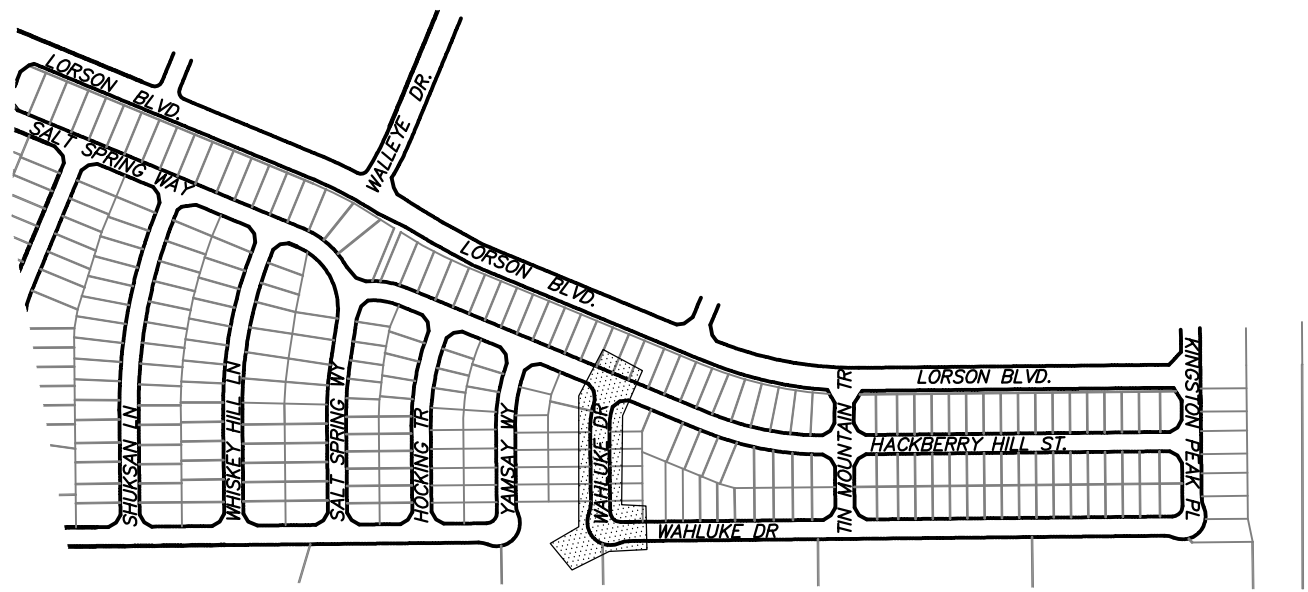
SHEET NUMBER  
C8.27

TOTAL SHEETS: 45

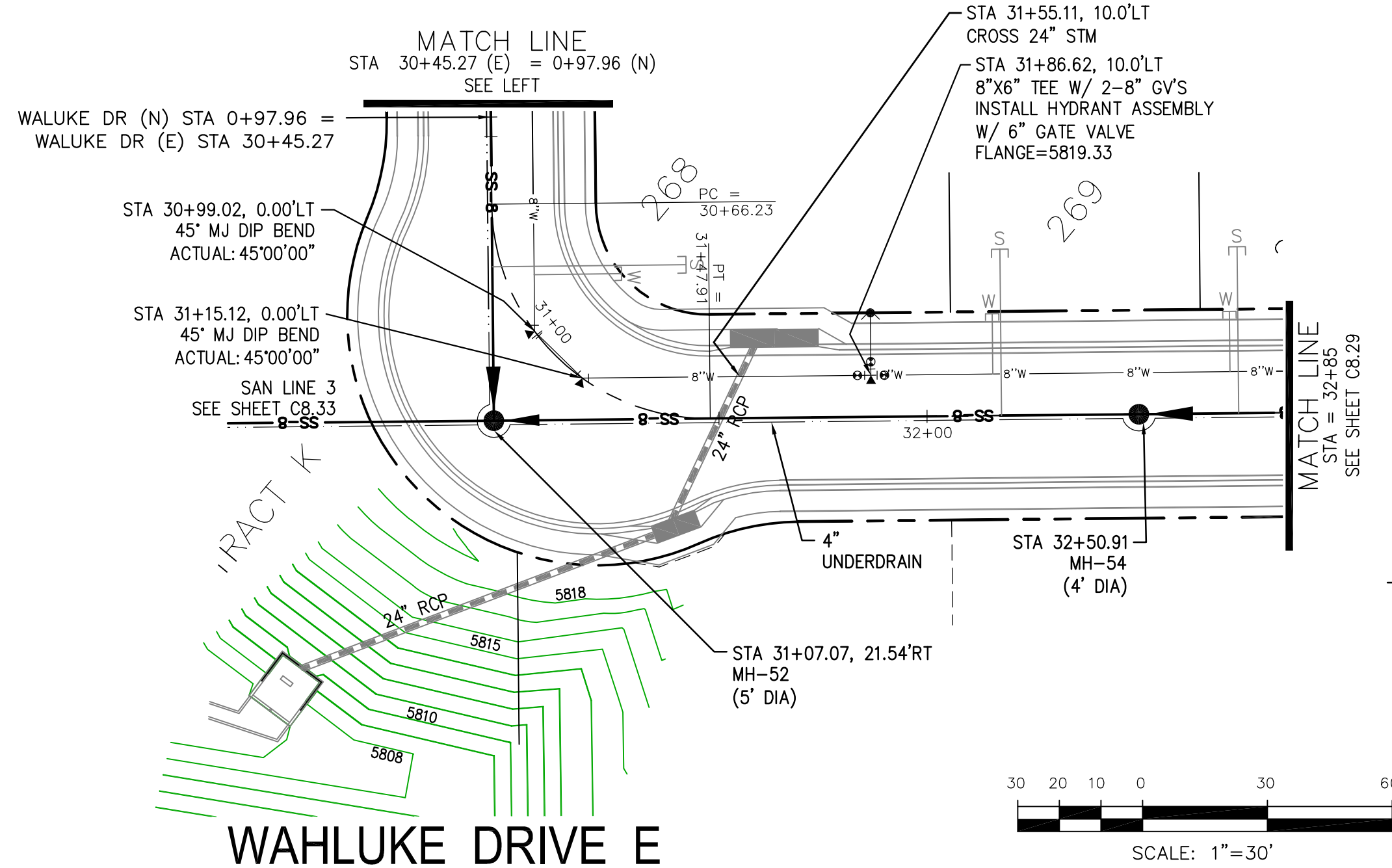
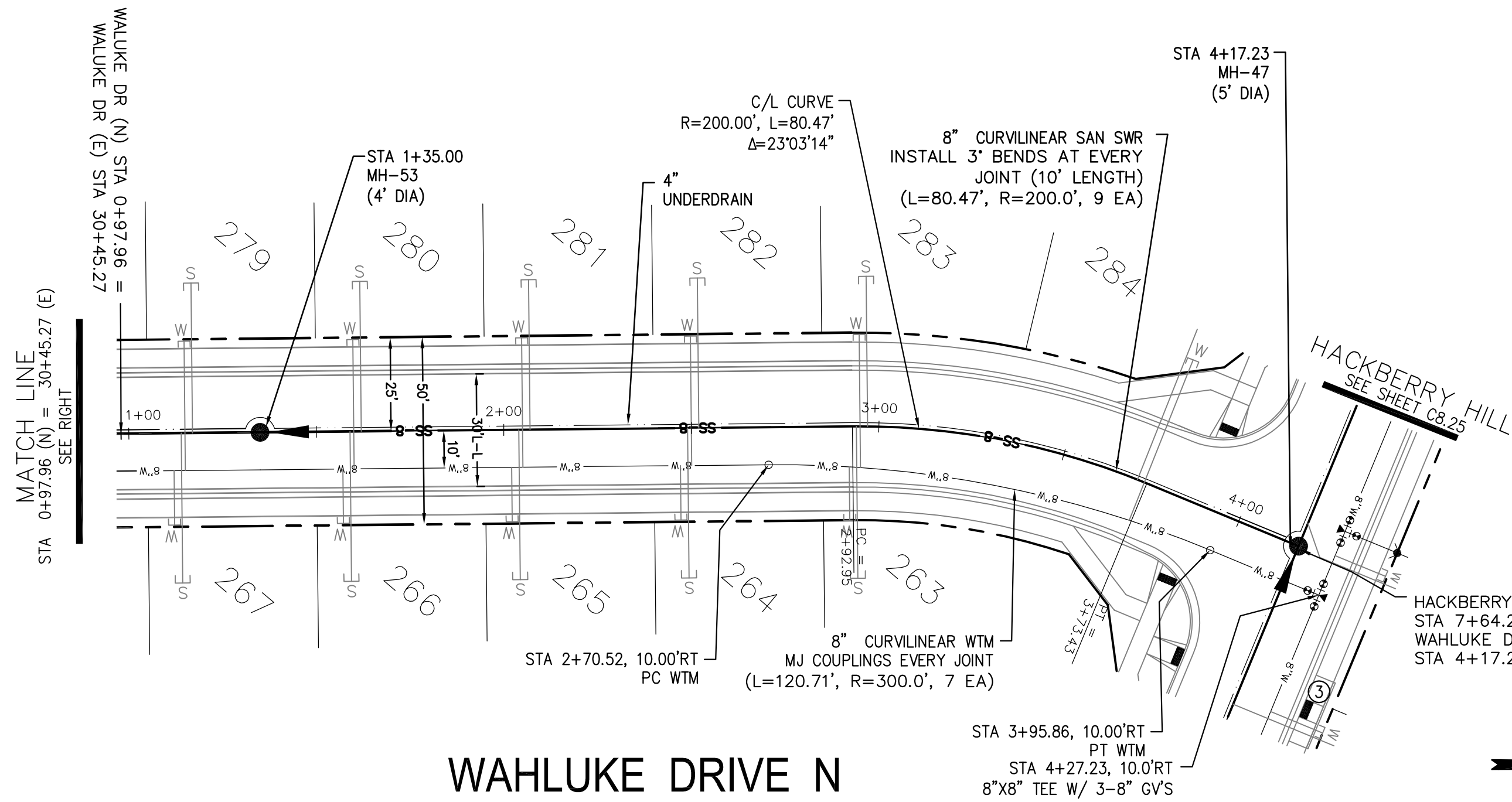


NOTES

1. STATIONING IS AT ROADWAY CENTERLINE.
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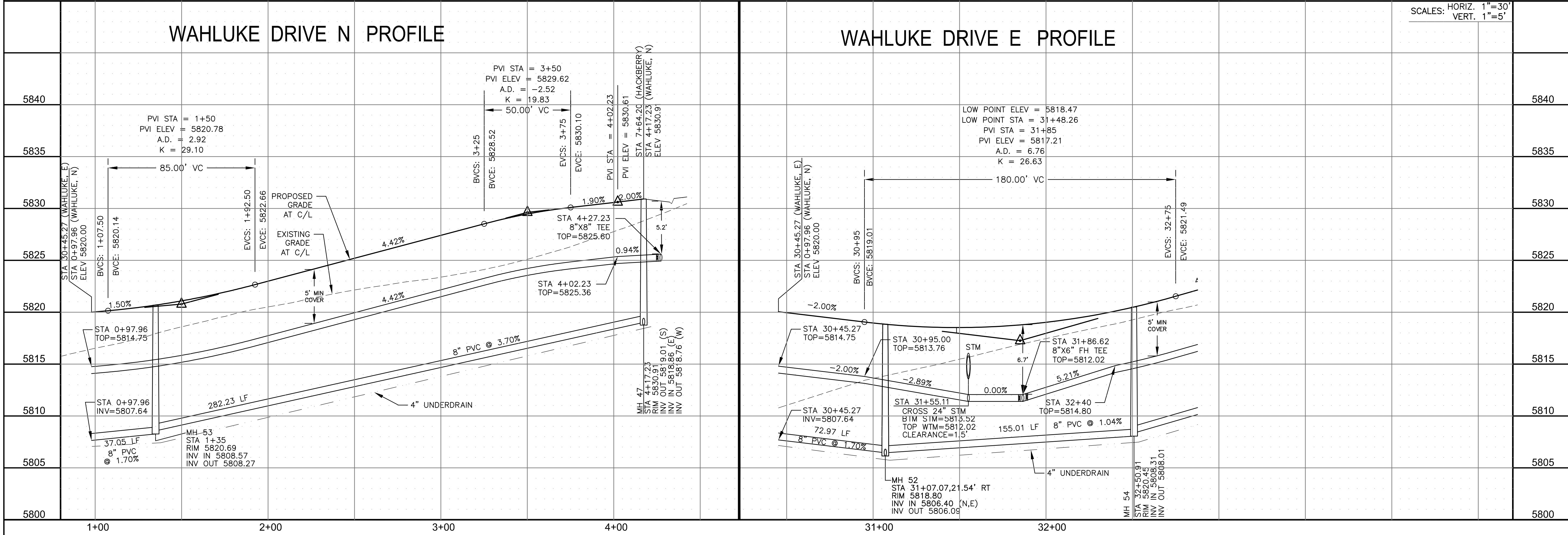
KEY MAP



WAHLUKE DRIVE N PROFILE

WAHLUKE DRIVE E PROFILE

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



CORE  
ENGINEERING GROUP

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

PROJECT:  
HILLSIDE AT LORSON  
RANCH  
LORSON BLVD - WALUKE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

WAHLUKE DR N  
WAHLUKE DR E  
STA 0+97 TO 4+17  
STA 30+45 TO 32+85

DATE:  
AUG 11, 2022

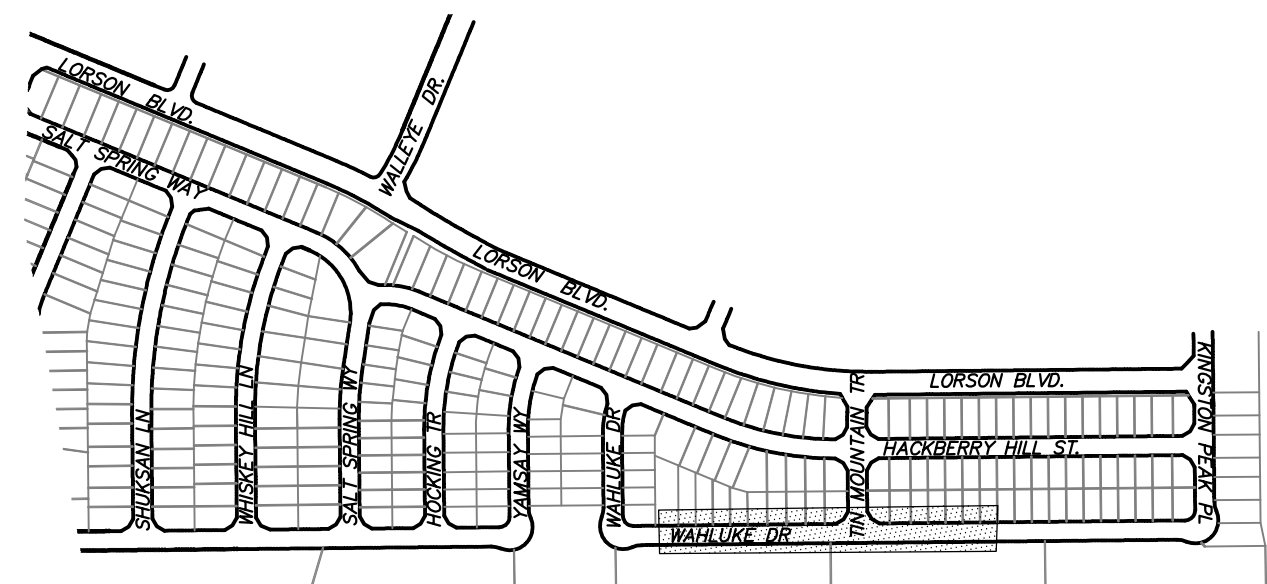
PROJECT NO.  
100.065

SHEET NUMBER  
C8.28

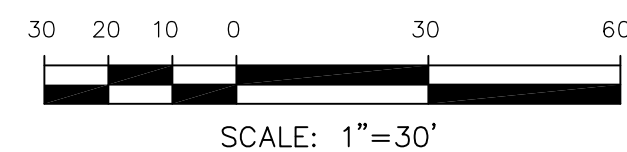
TOTAL SHEETS: 45



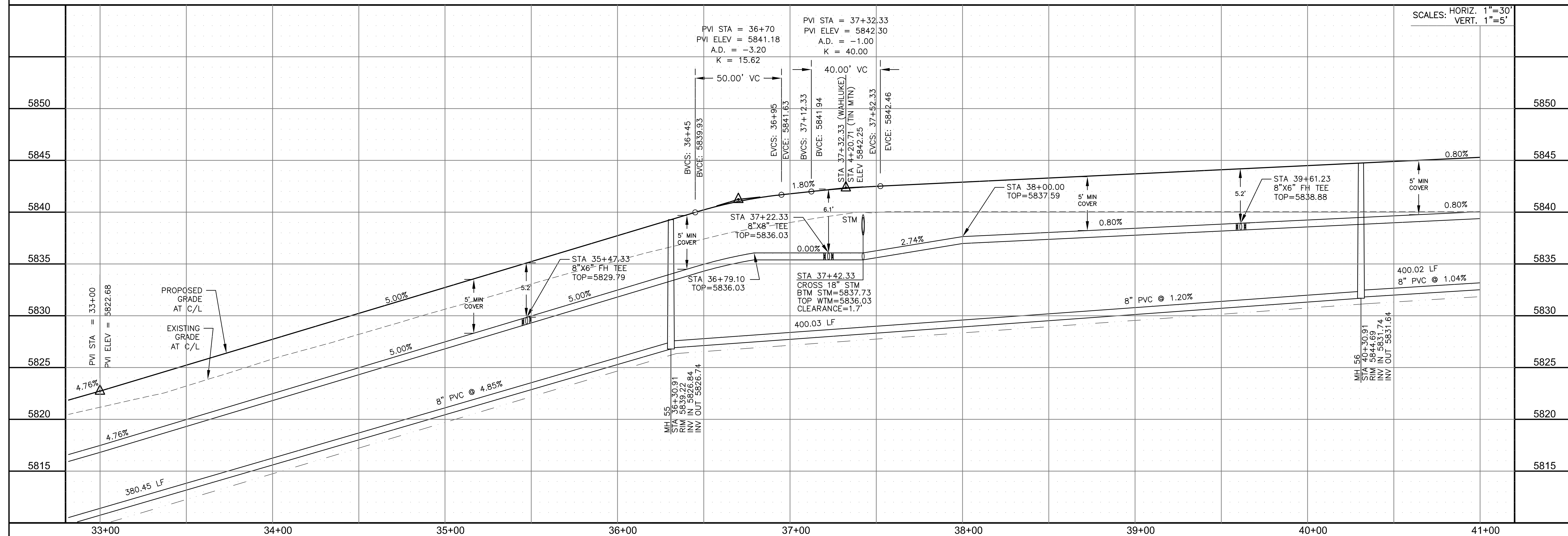
1. STATIONING IS AT ROADWAY CENTERLINE.
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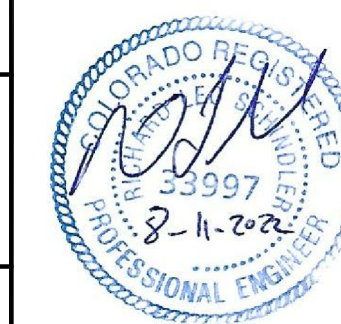
 KEY MAP



WAHLUKE DRIVE E



WTM / SAN	WAHLUKE DR E	STA 32+85 TO 41+00
-----------	--------------	--------------------



DATE:  
AUG 11, 2022

PROJECT NO.	100.065
-------------	---------

SHEET NUMBER  
C8.29

TOTAL SHEETS: 45

**CORE**  
**ENGINEERING GROUP**  
15004 1ST AVENUE S.  
BURNSVILLE, MN 55306  
PH: 719.570.1100  
CONTACT: RICHARD L. SCHINDLER, P.E.  
EMAIL: Rich@cegi1.com

ON	DATE

PREPARED FOR:

**LORSON, LLC**  
 212 N. WAHSATCH AVE, SUITE 301  
 COLORADO SPRINGS, COLORADO 80903

DESC

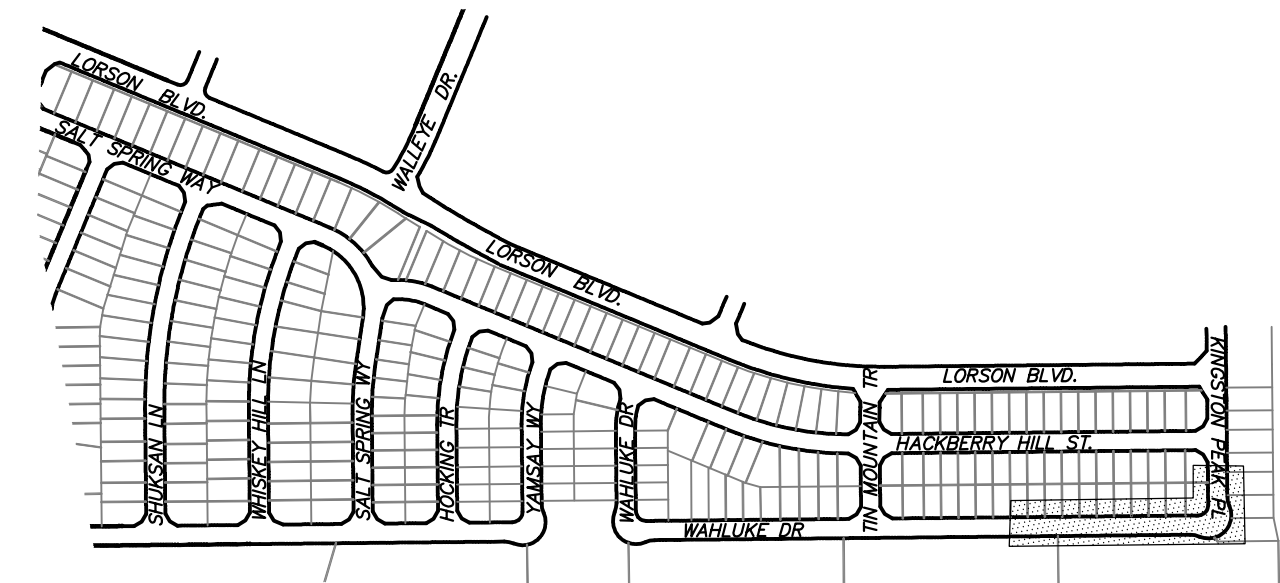
CT: HILLSIDE AT LORSON RANCH

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS



1. STATIONING IS AT ROADWAY CENTERLINE.
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6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
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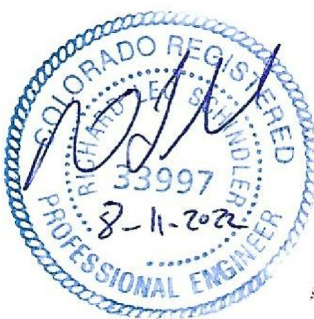


SCALE: 1"=30'

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



WAHLUKE DR E & KINGSTON  
STA 41+00 TO 47+50



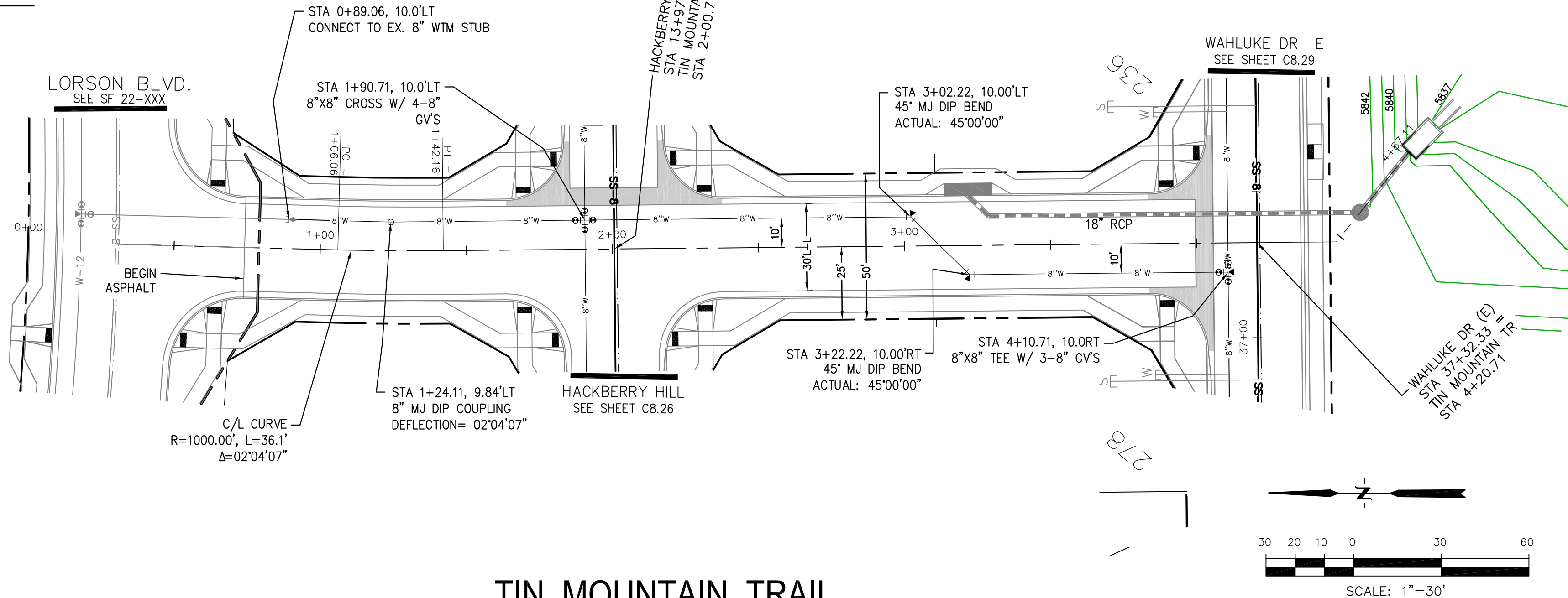
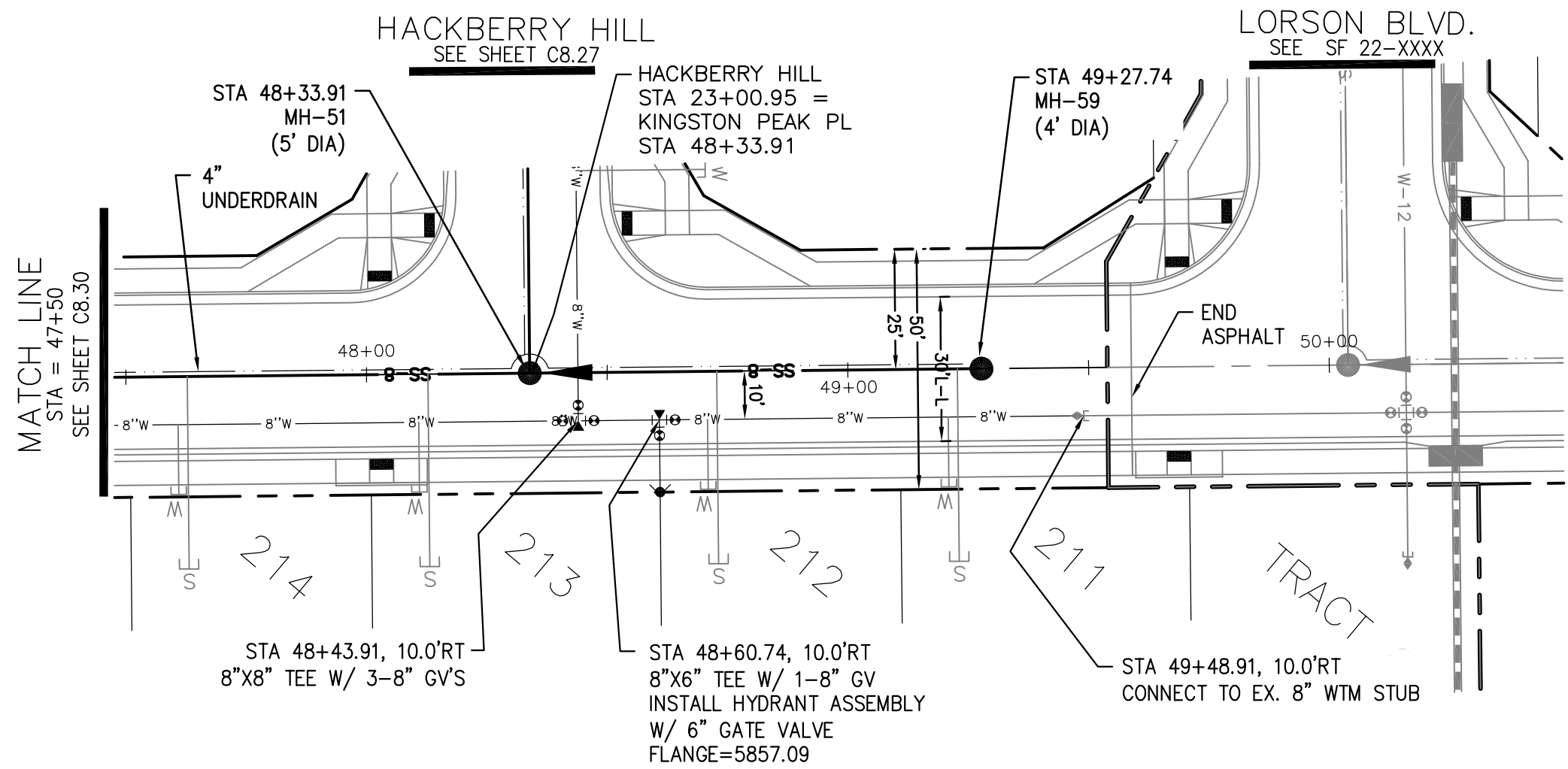
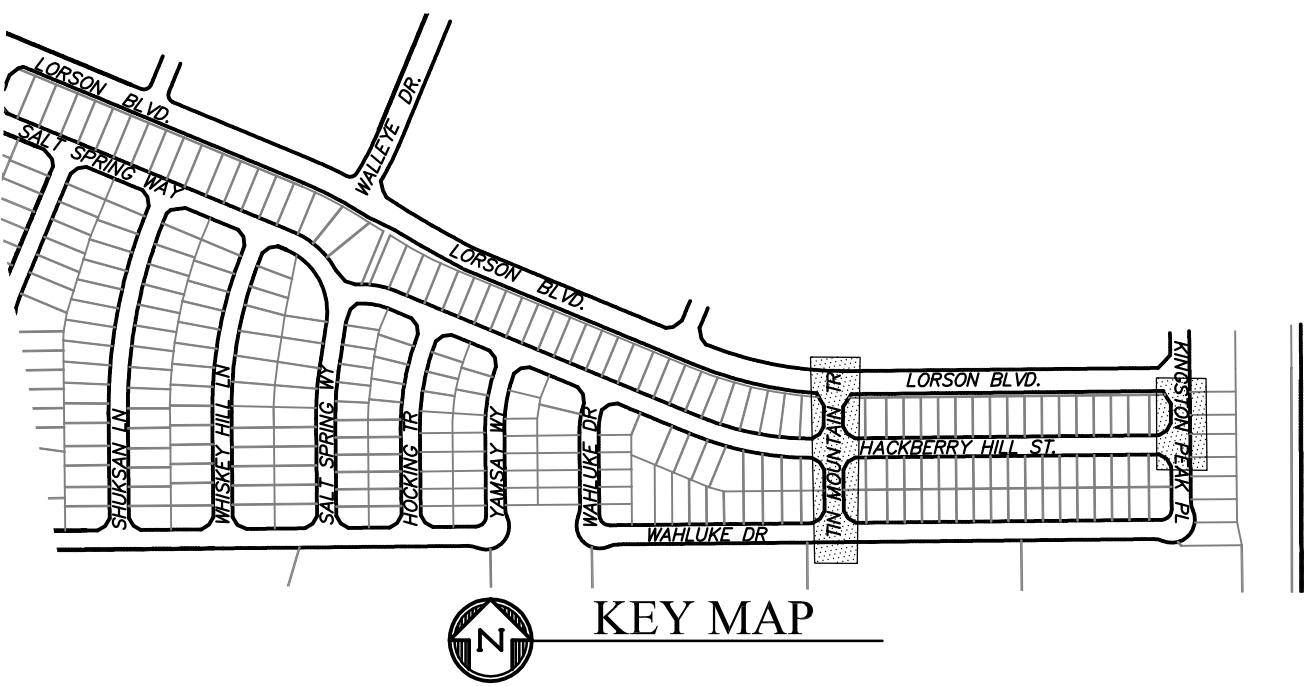
DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
**C8.30**  
TOTAL SHEETS: 45

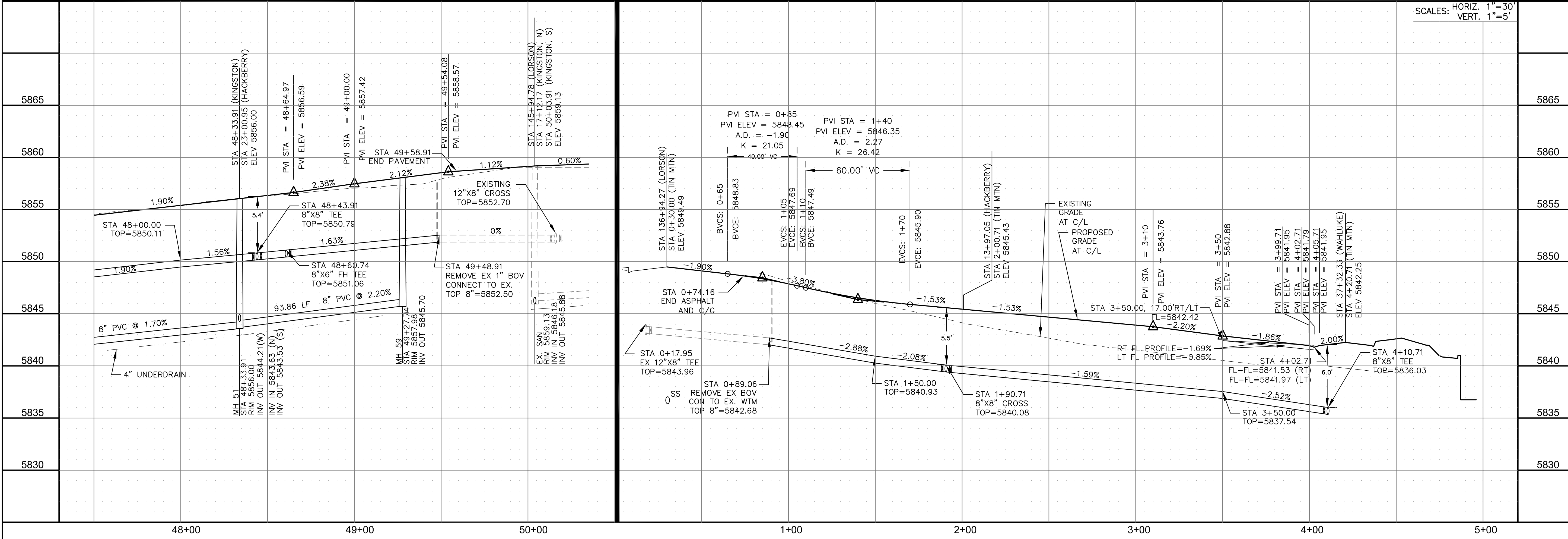


- NOTES
1. STATIONING IS AT ROADWAY CENTERLINE.
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  3. ALL 8" & 12" WATERMAIN IS PVC, C900.
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KINGSTON PEAK PLACE

TIN MOUNTAIN TRAIL



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. WAHSAATCH AVE. SUITE 301  
COLORADO SPRINGS, COLORADO 80903  
CONTACT: JEFF MARK

PROJECT:

HILLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

KINGSTON PEAK PL & TIN MOUNTAIN TR

STA 47+50 TO 50+04    STA 0+30 TO 4+87

DATE:  
AUG 11, 2022

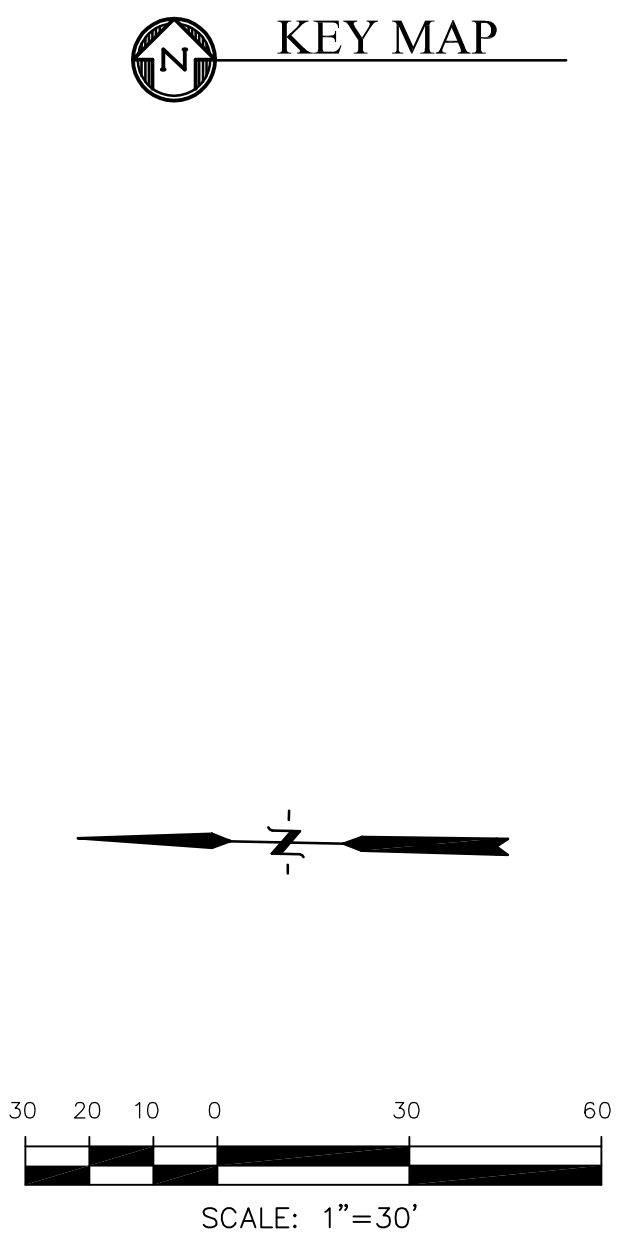
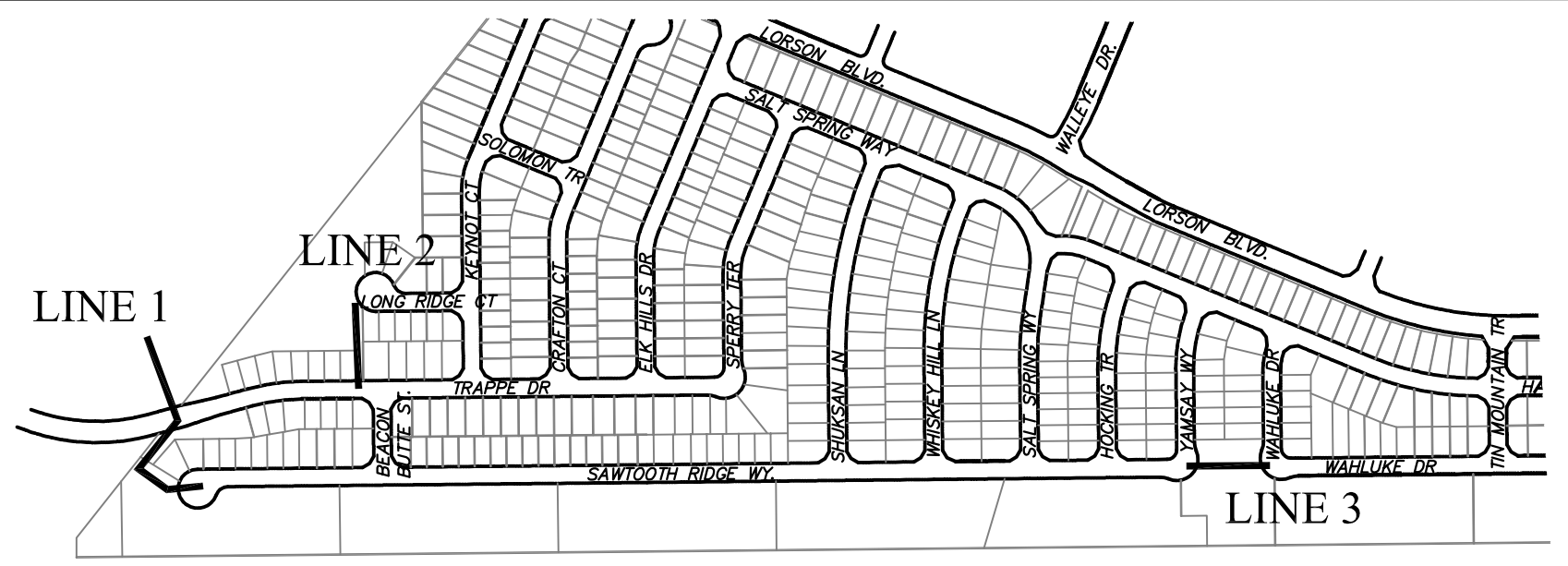
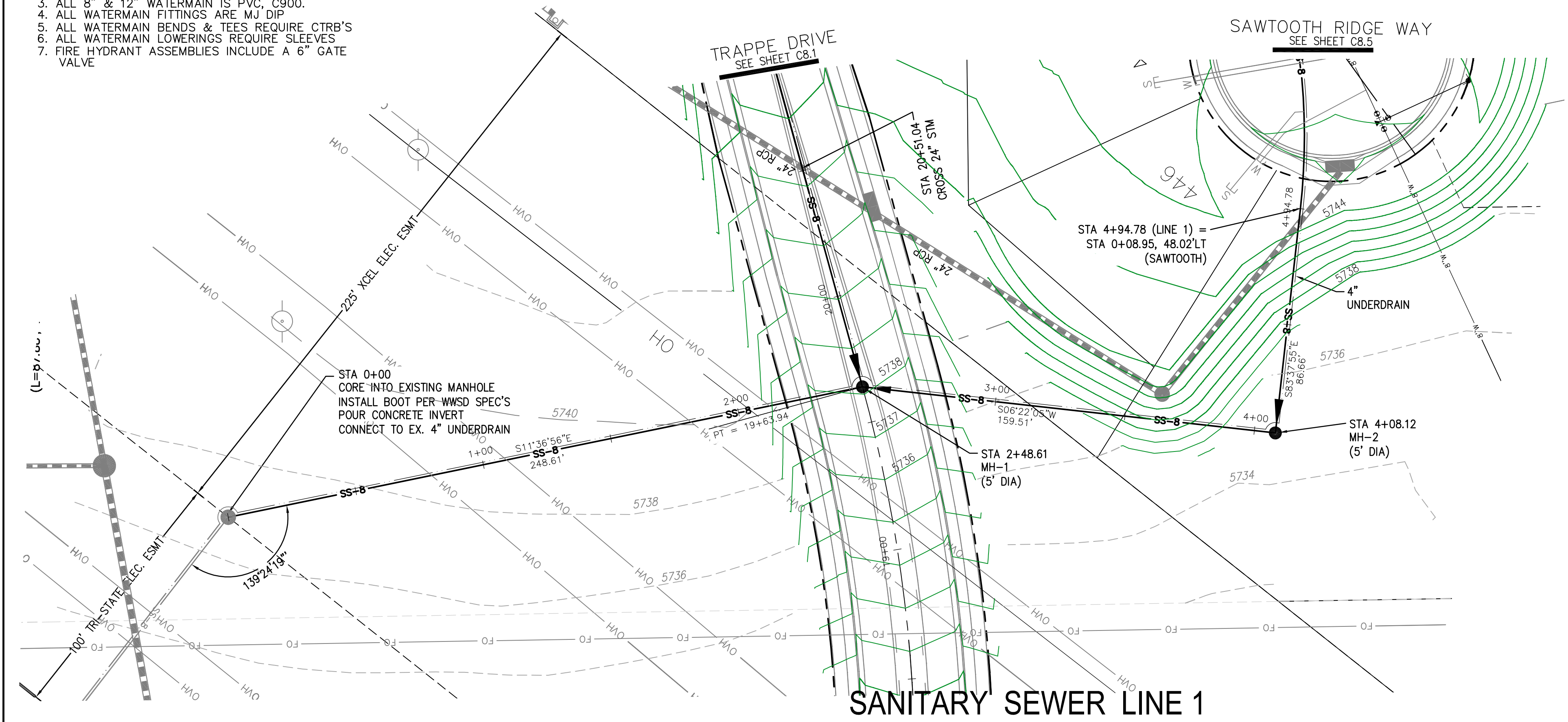
PROJECT NO.  
100.065

SHEET NUMBER  
C8.31

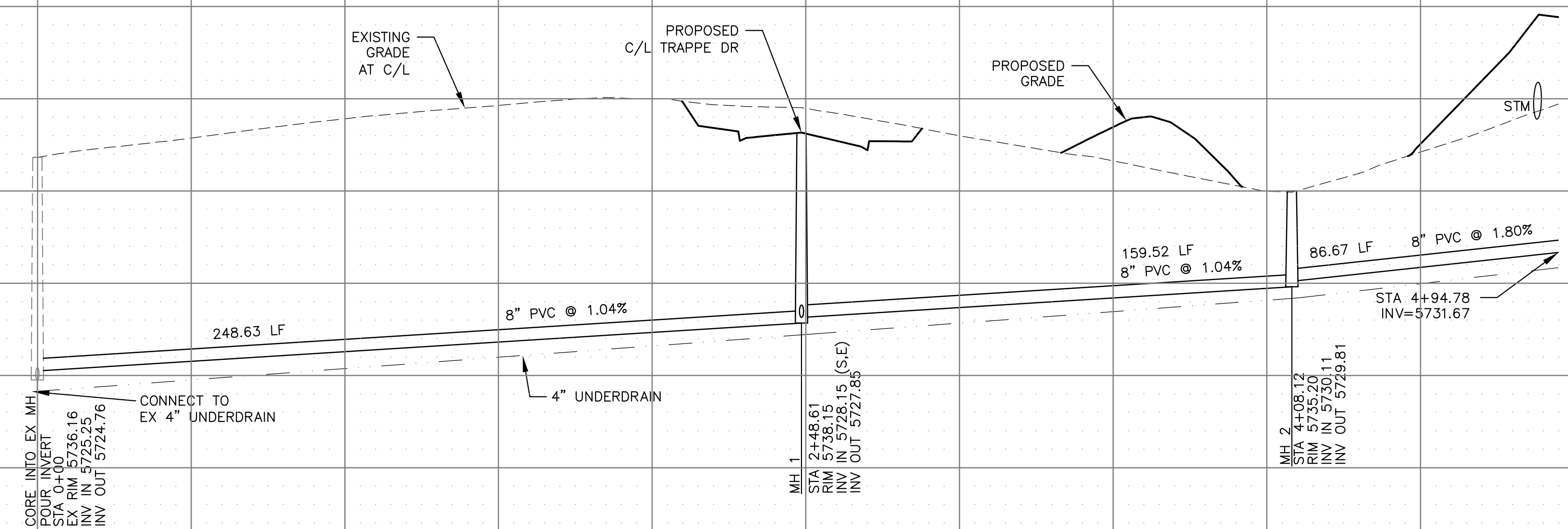
TOTAL SHEETS: 45



- NOTES
1. STATIONING IS AT ROADWAY CENTERLINE.
  2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
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SANITARY SEWER LINE 1										SCALES: HORIZ. 1"=30' VERT. 1"=5'	
5755											5755
5750											5750
5745											5745
5740											5740
5735											5735
5730											5730
5725											5725
5720											5720
0+00 1+00 2+00 3+00 4+00 5+00 6+00											



**CORE**

**ENGINEERING GROUP**

15004 1ST AVENUE S.  
BURNING WOOD, CO 80903  
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:  
**HILLSIDE AT LORSON RANCH**  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

WTM / SAN

**SANITARY SEWER LINE 1**

**STA 0+00 TO 4+94**

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

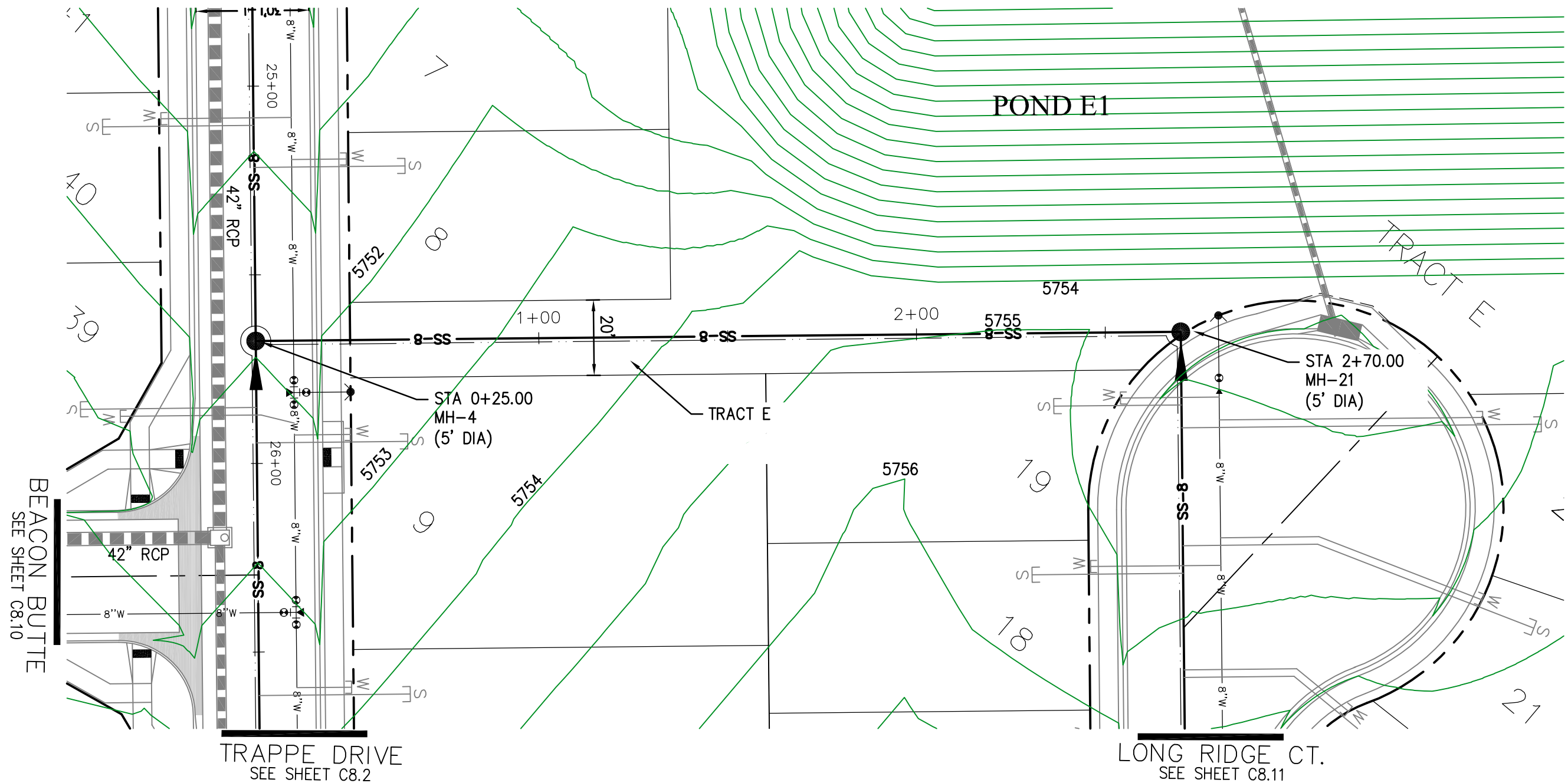
SHEET NUMBER  
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TOTAL SHEETS: 45

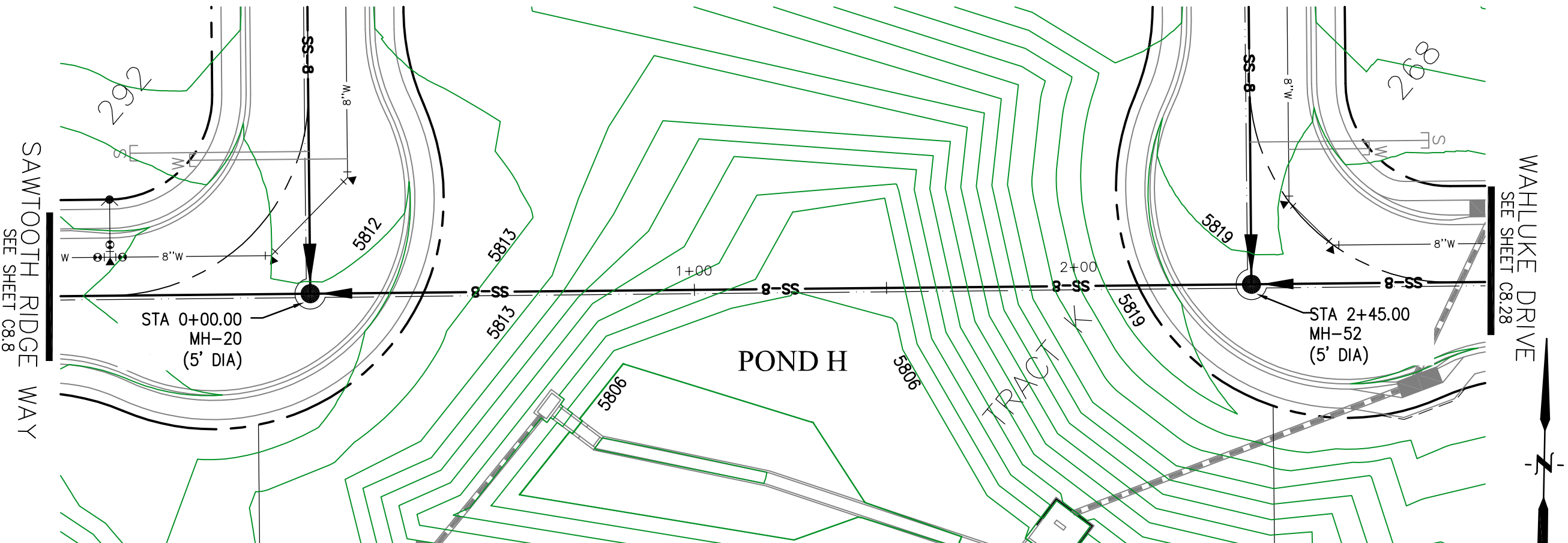
COLORADO REGISTERED PROFESSIONAL ENGINEER  
33997  
8-1-2022



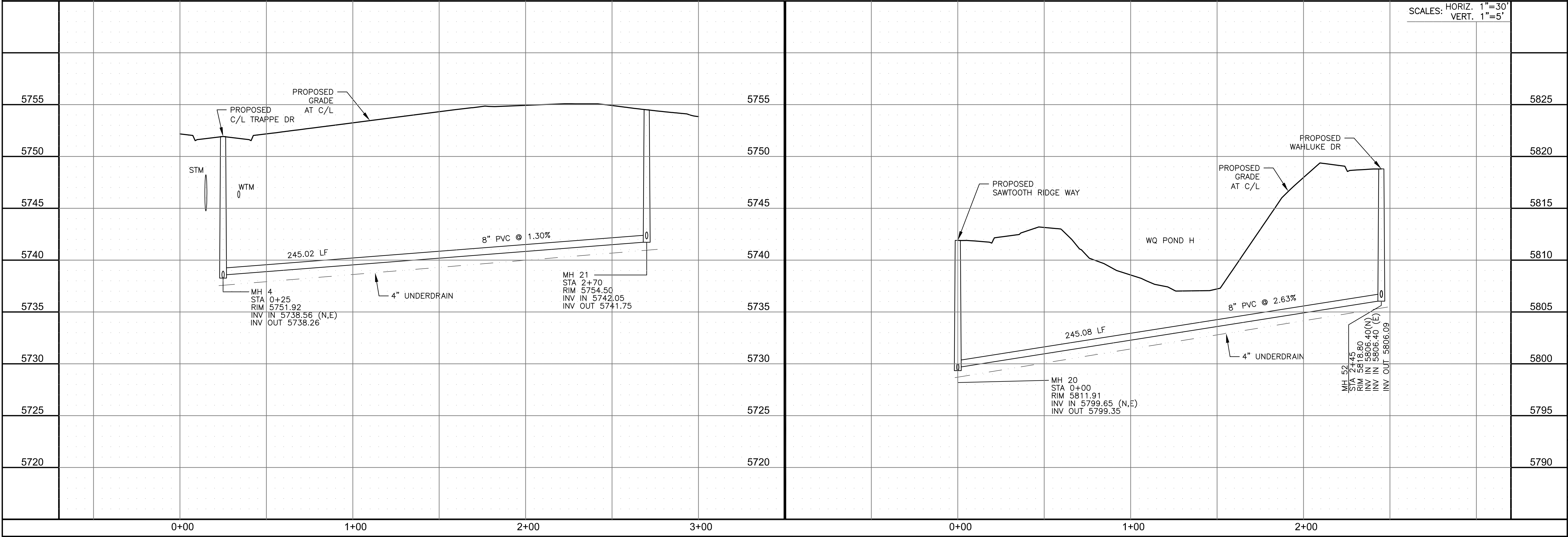
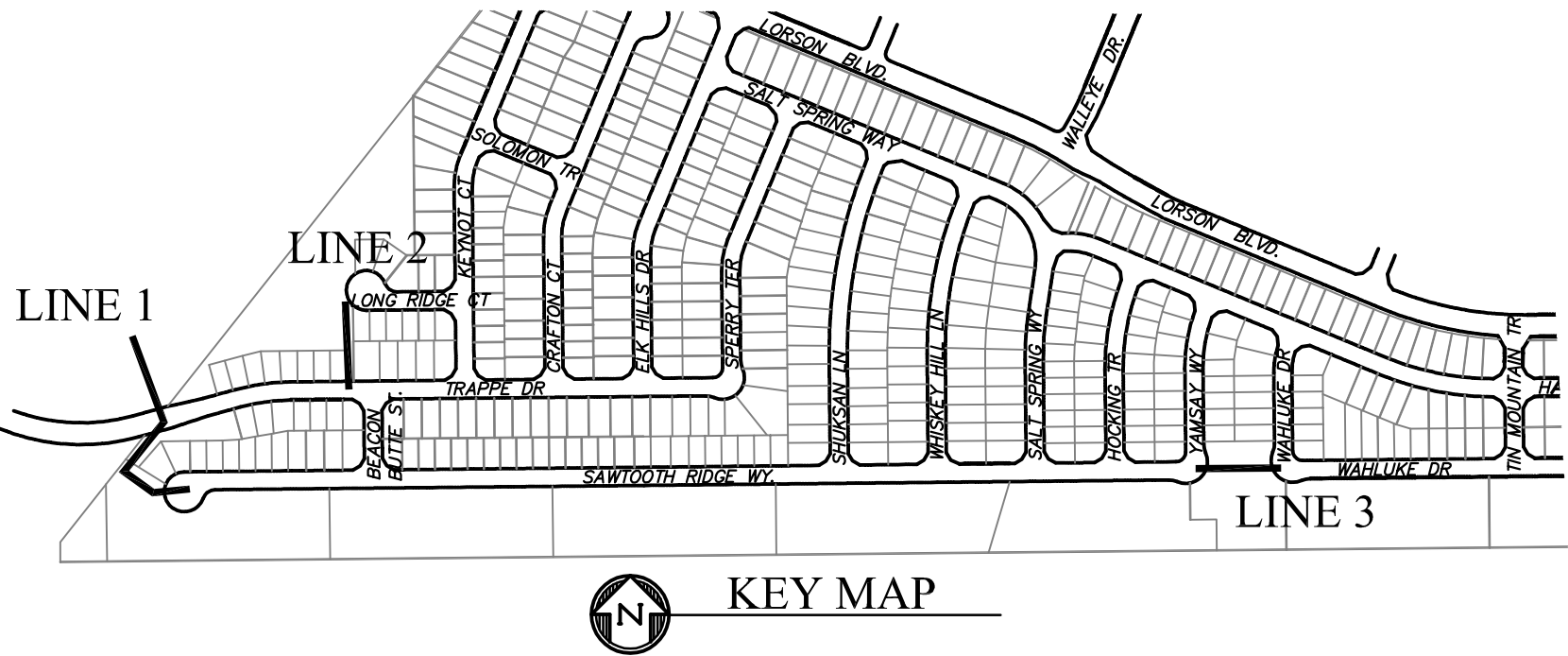
- NOTES
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  2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
  3. ALL 8" & 12" WATERMAIN IS PVC, C900.
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  5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
  6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
  7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



SANITARY SEWER LINE 2



SANITARY SEWER LINE 3



CORE

ENGINEERING GROUP

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

PROJECT:

**HILLSIDE AT LORSON RANCH**  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

WTM / SAN

SANITARY SEWER LINE 2 & 3

DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C8.33

TOTAL SHEETS: 45



1. STATIONING IS AT ROADWAY CENTERLINE.
2. WATERMAIN ELEVATIONS ARE TO TOP UNLESS NOTED OTHERWISE
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5. ALL WATERMAIN BENDS & TEES REQUIRE CTRB'S
6. ALL WATERMAIN LOWERINGS REQUIRE SLEEVES
7. FIRE HYDRANT ASSEMBLIES INCLUDE A 6" GATE VALVE



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

[illegible]

WTM / SAN

OFFSITE WATERMAIN CONNECTION  
STA 0+00 TO 3+04



DATE:  
AUG 11, 2022

PROJECT NO.	100.065
-------------	---------

SHEET NUMBER  
C8.34

TOTAL SHEETS: 45

## CORE ENGINEERING GROUP

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

PREPARED FOR:

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

ALLSIDE AT LORSON RANCH  
LORSON BLVD - WALLEYE DR  
COLORADO SPRINGS, COLORADO

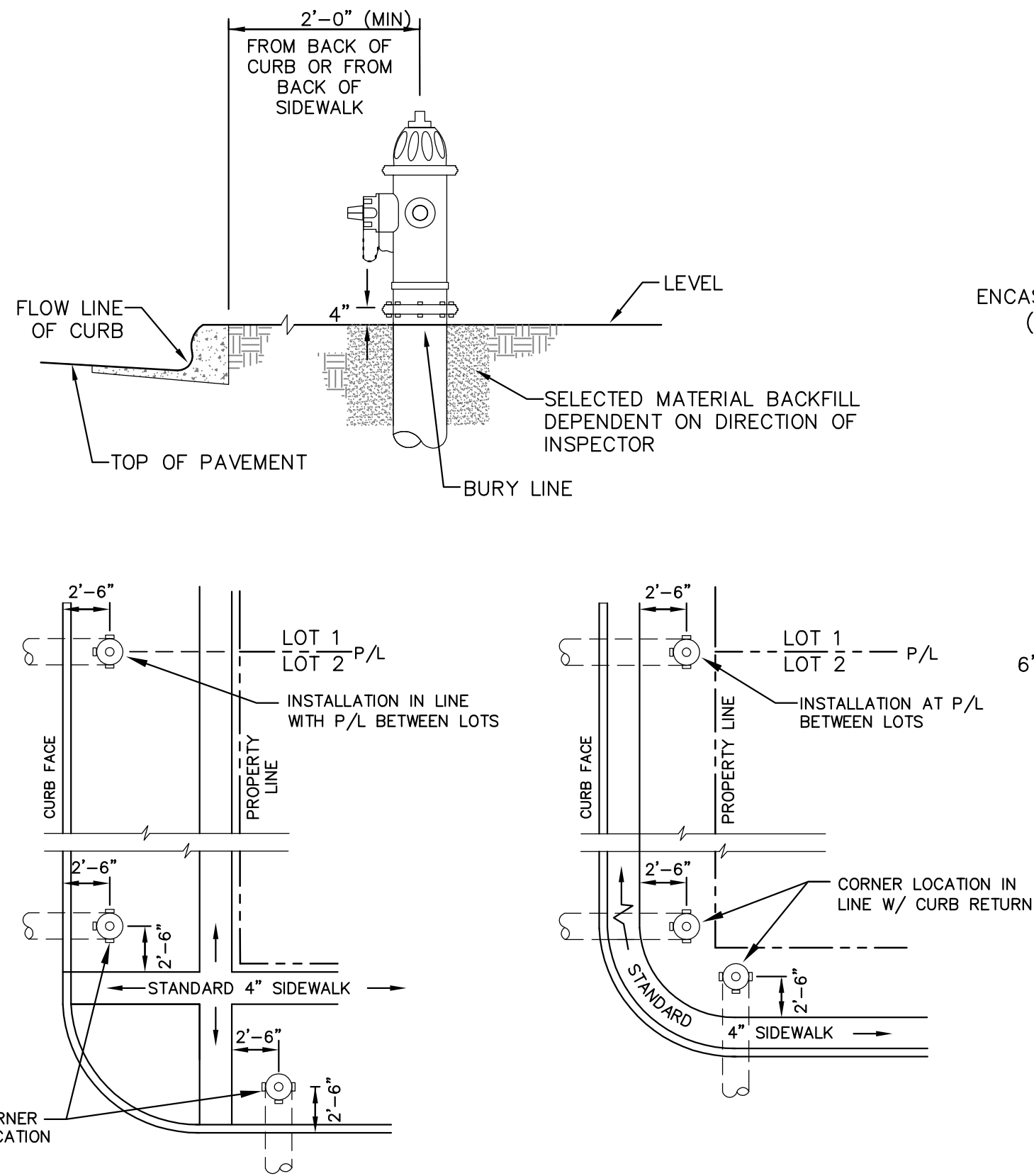
DRAWN:	RLS
DESIGNED:	RLS
CHECKED:	RLS

ATE

DESCRIPTION

No.





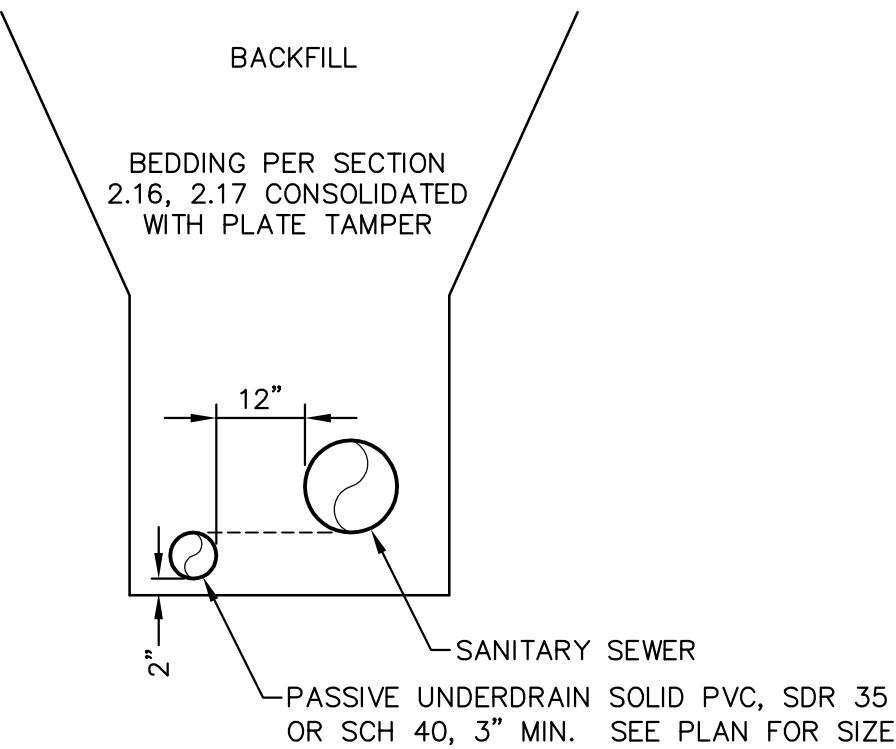
**DETACHED SIDEWALK LOCATION**  
NO SCALE

**NOTE**  
ALL HYDRANTS SHALL BE GUARDIAN K-81D OR AVK SERIES 2700.

**NOTES**

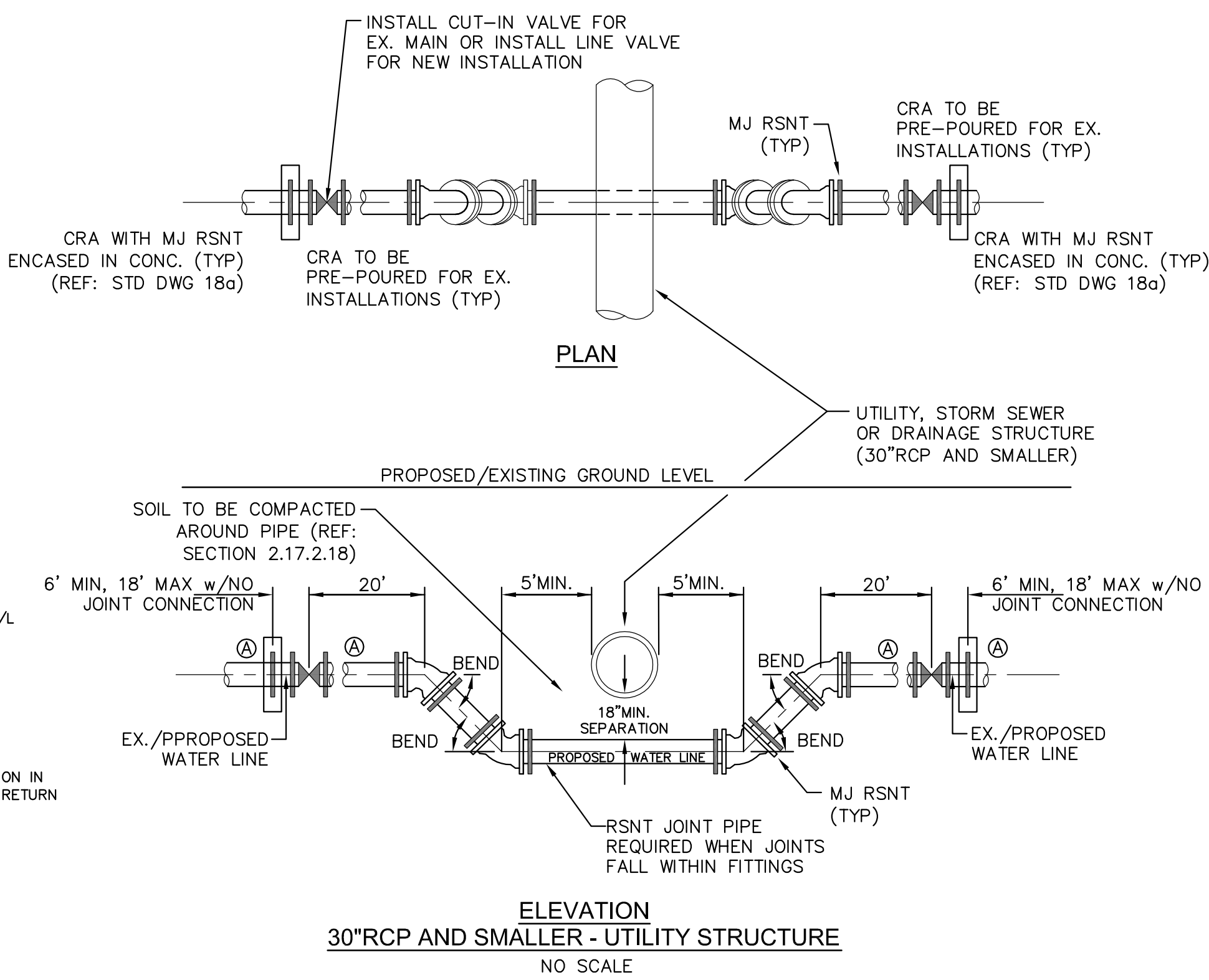
- HYDRANT NOZZLE SHALL BE POSITIONED AT RIGHT ANGLES TO CURB. IF NO CURB OR SIDEWALK EXIST, NOZZLE SHALL BE PLACED AT RIGHT ANGLE TO STREET OR ALLEY.
- HYDRANTS WILL BE PLACED A MINIMUM OF 5.0 FEET FROM ANY UTILITY OR DRAINAGE STRUCTURE (TO BE CO-ORDINATED WITH JOINT TRENCH INSTALLATION)
- ANY HYDRANT 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



**SANITARY SEWER PASSIVE UNDERDRAIN DETAIL**  
(PER CSU STANDARD # WW-11A)  
NO SCALE

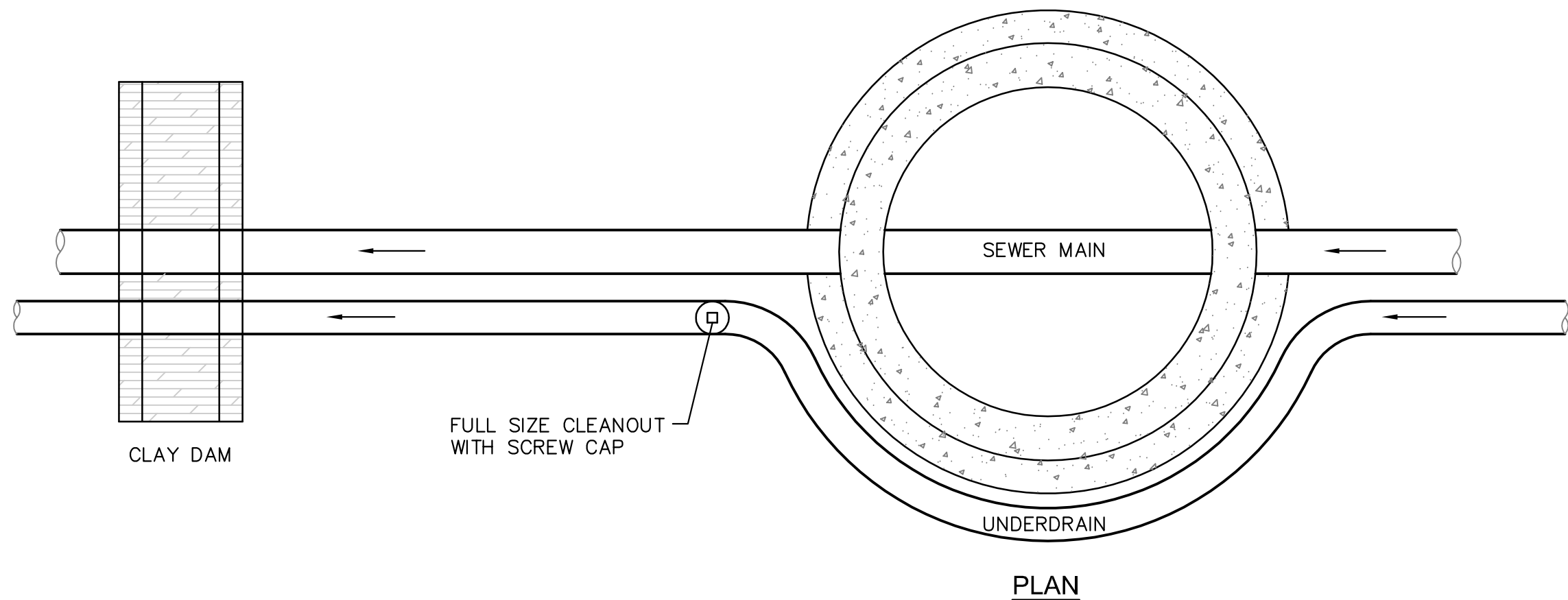
**NOTE:**  
POINT OF DISCHARGE TO PUBLIC SYSTEM IS REQUIRED.  
UNDERDRAIN CONNECTIONS SHALL BE 3" SCH 40.



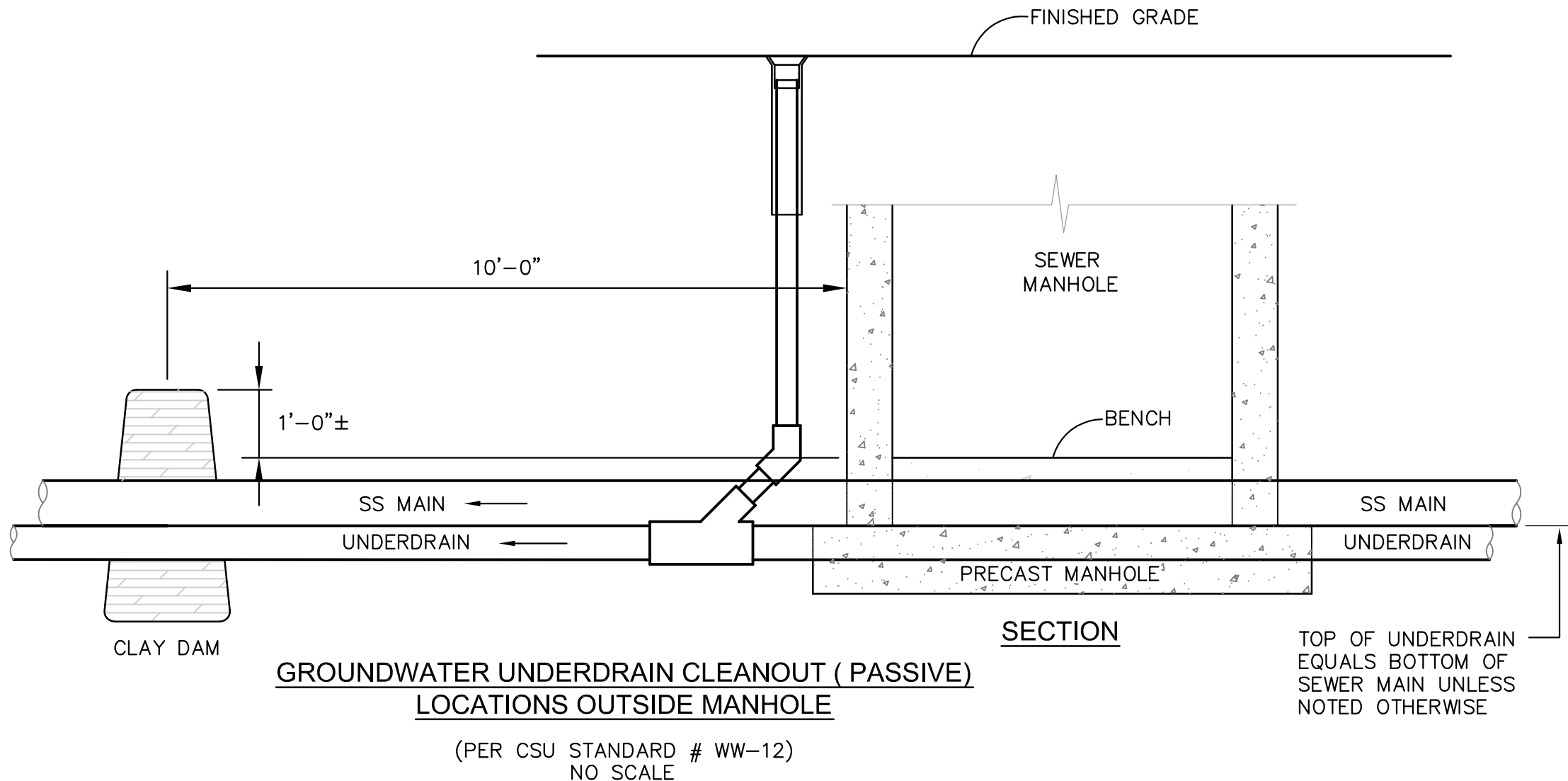
**GENERAL NOTES**

- D.I.P. PIPE REQUIRED IN LOWERINGS (AT THE DISCRETION OF THE WRD/INSPECTOR PVC PIPE MAYBE APPROVED).
- Ⓐ LOWERINGS TO BE CATHODIC PROTECTED UNDER THE DIRECTION OF THE WRD INSPECTOR. (17 lb).
- ALL FITTINGS SHALL HAVE MJ RSNTS. SEE DRAWINGS NO. 27, 28 & SECTION 5.14 OF THE WRD SPECIFICATIONS.
- 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

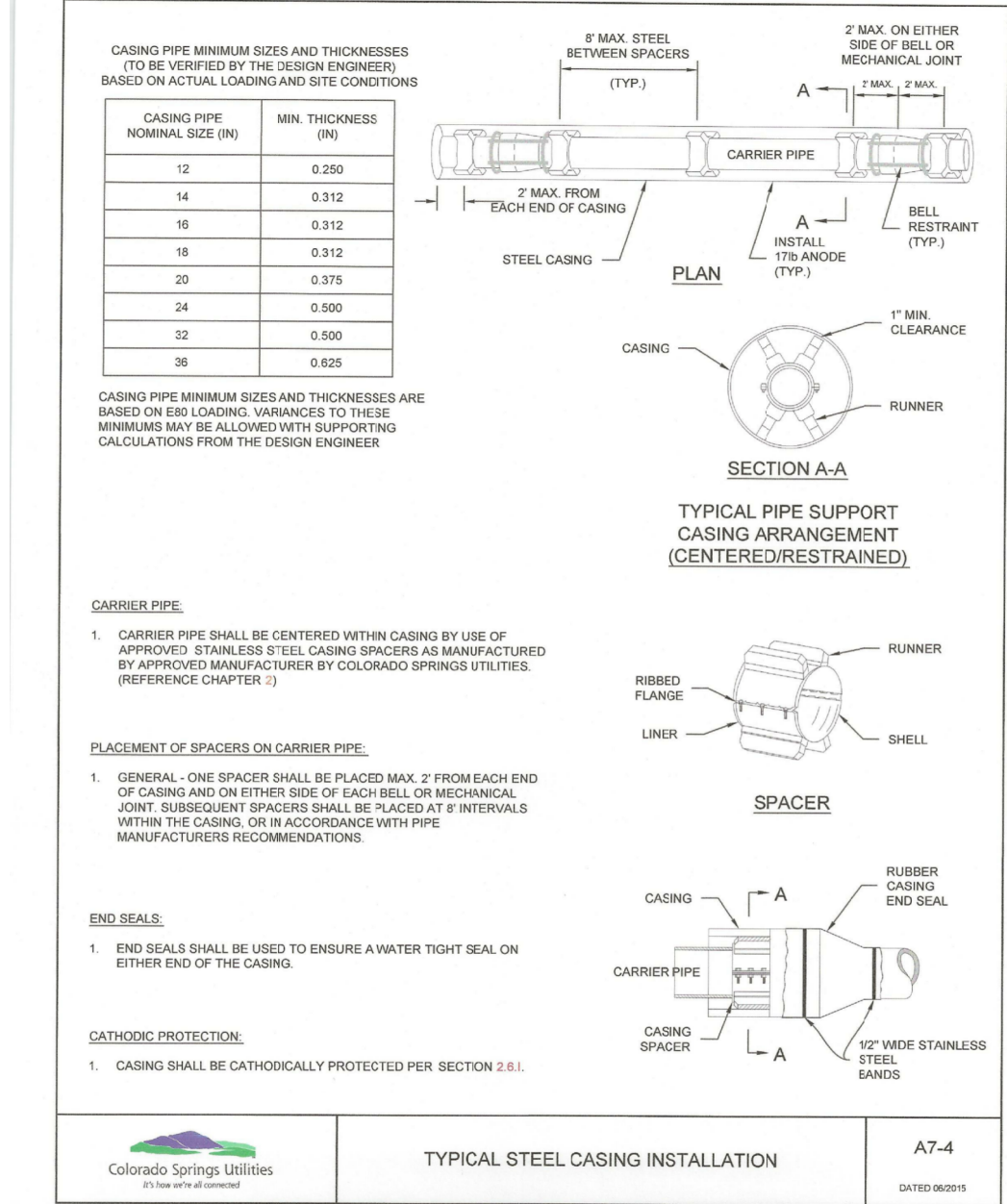


**PLAN**



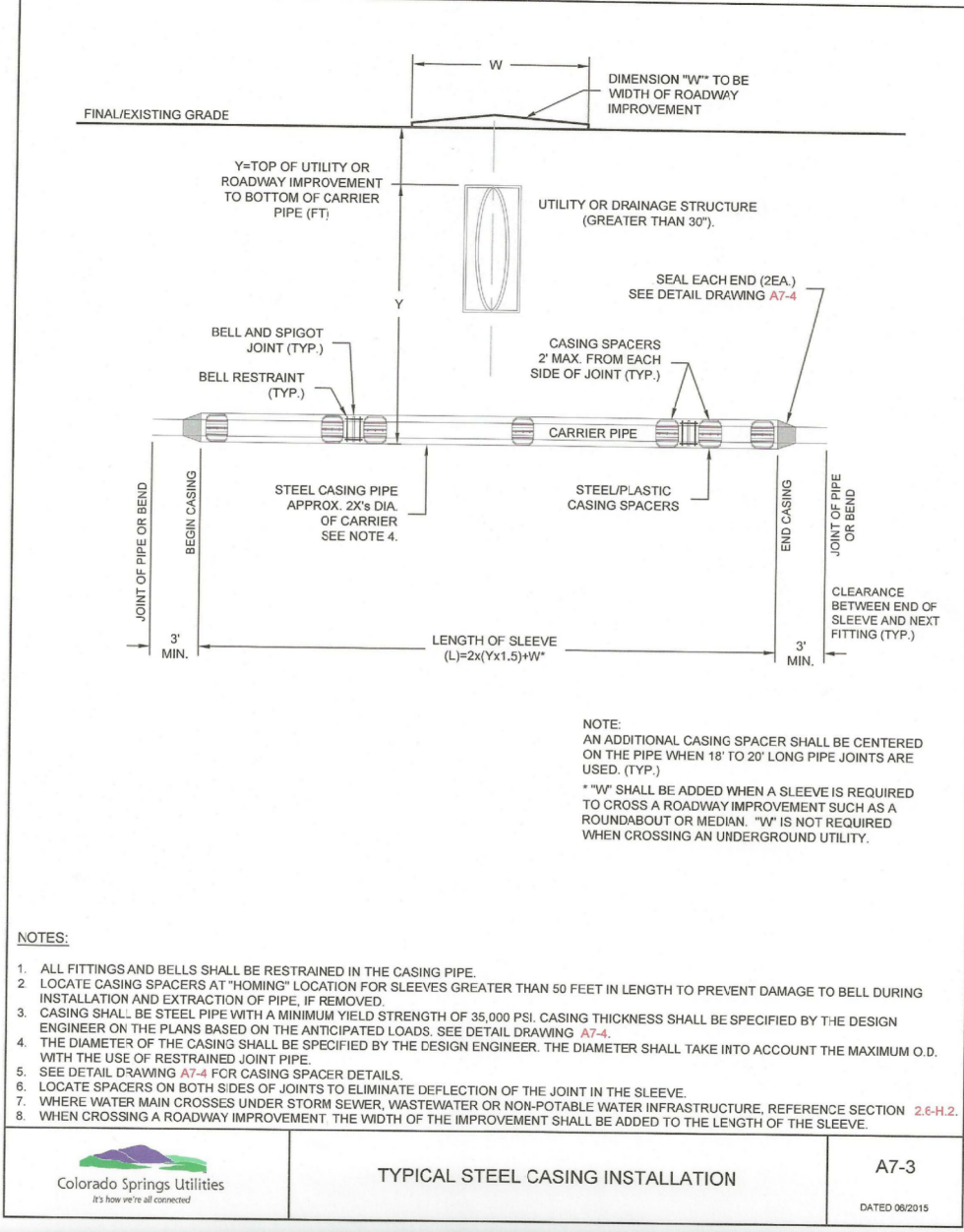
**GROUNDWATER UNDERDRAIN CLEANOUT ( PASSIVE )**  
**LOCATIONS OUTSIDE MANHOLE**

(PER CSU STANDARD # WW-12)  
NO SCALE



**TYPICAL STEEL CASING INSTALLATION**

DATE: 08/01/15



**TYPICAL STEEL CASING INSTALLATION**

DATE: 08/01/15

**WATER/SEWER DETAILS**



DATE:  
AUG 11, 2022

PROJECT NO.  
100.065

SHEET NUMBER  
C12.1

TOTAL SHEETS: 45

PREPARED FOR:  
**LORSON, LLC**  
212 N. WAHSAATCH AVE, SUITE 301  
COLORADO SPRINGS, COLORADO 80903  
(719) 635-5500  
CONTACT: JEFF MARK

PROJECT:  
**HILLSIDE AT LORSON RANCH**  
LORSON BLVD WALLEYE DR  
COLORADO SPRINGS, COLORADO

DRAWN: RLS  
DESIGNED: RLS  
CHECKED: RLS

**CORE ENGINEERING GROUP**  
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