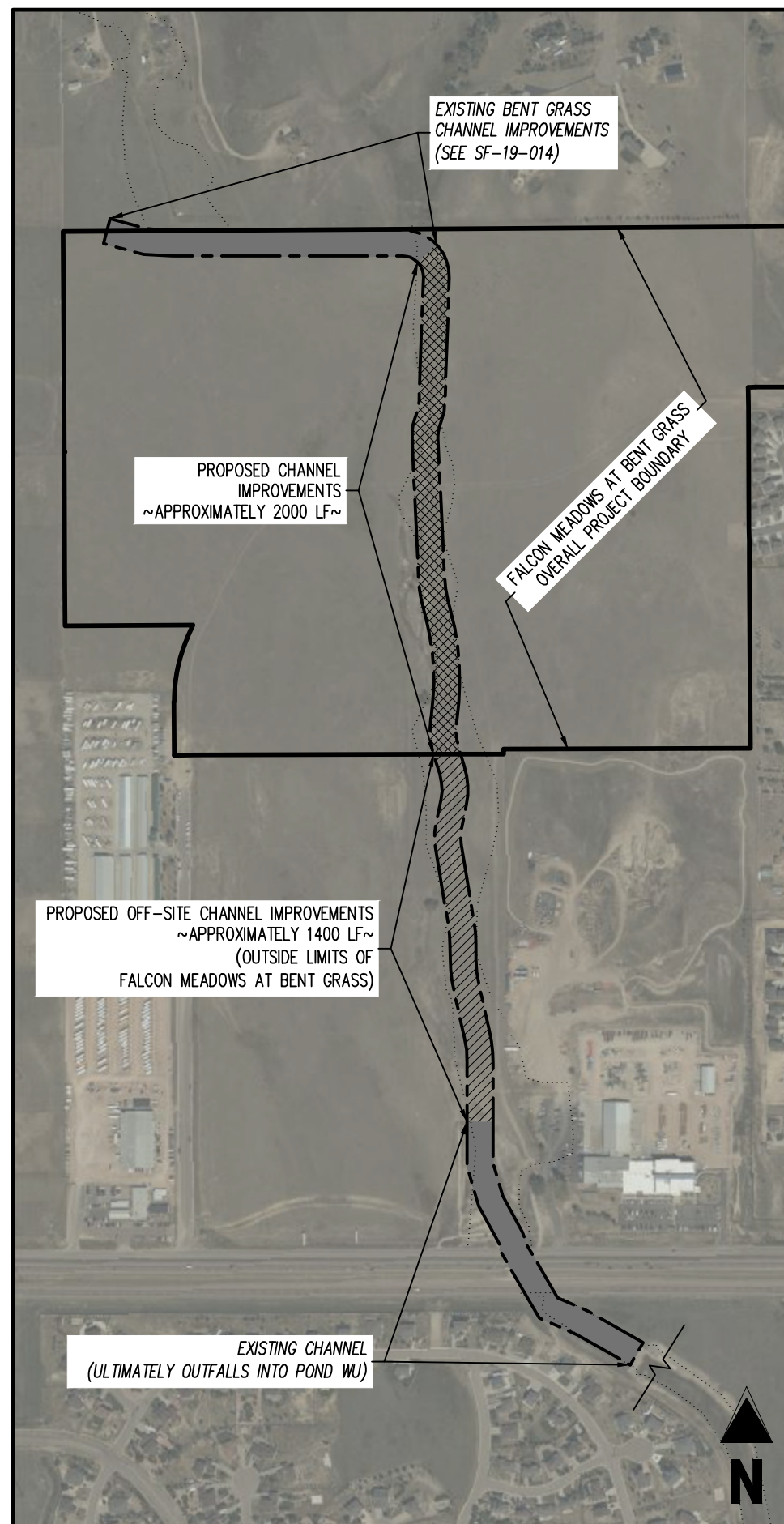


FALCON MEADOWS AT BENT GRASS DRAINAGE CHANNEL - ASBUILTS

CONSTRUCTION DRAWINGS (PLAN & PROFILE)

WHMD - WOODMEN HILLS METRO DISTRICT
EPC - EL PASO COUNTY

A map showing the location of the site. The site is a rectangular area shaded with diagonal lines, located on Bent Grass Meadows Dr. The map includes labels for Bent Grass Meadows Dr, Meridian Rd, Extonville Rd, and Woodmen Frontage Rd. A north arrow is located in the bottom right corner.



DATE _____

SHT - SHEET
 Δ - DEFLECTION ANGLE
 L - LENGTH
 R - RADIUS
 CB - CHORD BEARING
 C - CHORD LENGTH
 N - NORTH/NORTHING
 W - WEST
 E - EAST/EASTING
 S - SOUTH
 DET - DETAIL
 EX - EXISTING
 WY - WITH
 PC - POINT OF CURVATURE/PORTLAND CEMENT
 WWF - WELDED WIRE FABRIC
 VERT - VERTICAL
 ON - ON CENTER
 FDC - FIRE DEPARTMENT CONNECTION
 CT - COURT
 DR - DRIVE
 TYP - TYPICAL
 REC - RECEPTION NUMBER
 Ø, DIA - DIAMETER
 PT - POINT OF TANGENCY
 MIN - MINIMUM
 MAX - MAXIMUM
 HDPE - HIGH DENSITY POLYETHYLENE

FALCON FIRE PROTECTION DISTRICT
7030 OLD MERIDIAN ROAD
PEYTON, CO 80831
TELE: (719) 495-4050
EMAIL: FALCONFIRE@FALCONFIREPD.ORG

BENT GRASS MEADOWS DRIVE & MERIDAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

Sheet 1 of 23

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE MISSION FOR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPLACED AT THE CONTRACTORS EXPENSE AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
3. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
4. ALL BACKFILL, SUB-BASE AND / OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOLID ENGINEERS RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION.
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED.
6. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC COM APPENDIX K - 1.20.
7. ALL INTERSECTION ACCESSES TO BE CONSTRUCTED WITH A 25 FOOT SIGN VISIBILITY TRIANGLES AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" IN THIS AREA.
8. ALL CULVERT AND STORM PIPES SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE (TYPE PE) OR REINFORCED CONCRETE PIPE (RCP). ALL CULVERTS SHALL BE PLACED COMPLETELY FLARED ENDS. ADEQUACY OF MATERIAL THICKNESS FOR ANY CSP INSTALLED SHALL BE VERIFIED BY OWNERS GEOTECHNICAL ENGINEER TO SUPPORT MINIMUM 50 YEAR DESIGN LIFE. CULVERTS MUST CONFORM TO EPC COM SECTION 3.32 - CULVERTS.
9. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED FOR ROAD SHALL BE PER DESIGN SPECIFICATION BY OWNERS GEOTECHNICAL ENGINEER. OWNERS GEOTECHNICAL ENGINEER TO BE ON SITE AT THE TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION PRIOR TO CONSTRUCTION.
10. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MATERIAL 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE I RIP-RAP WITH MRFW 700 OR EQUAL IS SPECIFIED.
11. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS AND WITH WOODMAN HILLS METRO DISTRICT CONSULTING ENGINEER APPROVAL.
12. ALL POTABLE WATER MAINS SHALL BE AWWA C900-SDR18 PIPE WITH PUSH-ON SINGLE GASKET TYPE JOINTS AND SHALL MEET THE REQUIREMENTS OF ANS / NSF 61.
13. ALL POTABLE WATER FITTINGS SHALL BE MADE FROM GRAY-IRON OR DUCTILE IRON AND FURNISHED WITH MECHANICAL JOINT ENDS. ALL FITTINGS SHALL HAVE A PRESSURE RATING OF 250 PSI AND SHALL MEET THE REQUIREMENTS OF ANS / NSF 61.
14. ALL WATER LINE BENDS, TEES, BLOW-OFFS AND PLUGS AT DEAD-END MAINS SHALL BE PROTECTED FROM THRUST BY USING CONCRETE THRUST BLOCKS AND / OR ROODING AND RESTRAINED PIPE PER THE PAINT BRUSH HILLS METRO DISTRICT CONSULTING ENGINEER APPROVAL.
15. MAXIMUM DEFLECTION OF 8" OR 12" PIP WATER MAIN JOINTS IS 4 DEGREES. CORRESPONDING MINIMUM CURVE RADIUS IS 286'. ADDITIONAL 1.125" OR 22.5" BENDS MAY BE REQUIRED FOR PORTAL ALIGNMENT.
16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED AS-BUILTS OF ALL WATER MAIN, STORM SEWER AND SANITARY SEWER MAIN INSTALLATIONS, INCLUDING ACCELERATED DISTANCES OF MANHOLES, VALVES, FITTINGS, MANHOLES AND LOCATIONS OF WATER AND SEWER SERVICES.
17. SANITARY SEWER PIPE AND FITTINGS: P84" 8" ASTM D3034, TYPE PSM, SDR 35; PUSH-ON JOINTS AND MOLDED RIBBED GASKETS MAXIMUM HORIZONTAL DEFLECTIONS, AFTER INSTALLATION AND BACK FILLING SHALL NOT EXCEED 3% OF THE PIPE DIAMETER. (MINIMUM CURVE RADIUS IS 100' FOR 8" PDI SANITARY SEWER MAIN)

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).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - 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
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN 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 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 FLOOD/PROXY DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECD 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 DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, 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 OBTAIN NECESSARY PERMITS, WHEN REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

ROUTED BOULDERS SHALL BE PLACED AT THE LOCATIONS AS SHOWN ON THE DRAWINGS AND INSTALLED WITH THE FOLLOWING REQUIREMENTS:

1. SUBGRADE:
 - A. THE SUBGRADE TO RECEIVE EACH BOULDER SHALL BE EXCAVATED AND ANY UNSTABLE MATERIAL SHALL BE REMOVED AND REPLACED TO ACHIEVE A STABLE SUBGRADE.
 - B. GROUTED BOULDERS SHALL BE PLACED ON SUBGRADE WITHOUT GRANULAR BEDDING OR RIPRAP UNLESS APPROVED BY ENGINEER. BOULDERS SHALL NOT BE PERCHED ON ANY MATERIAL IN ORDER TO MEET DESIGN GRADE. APPROPRIATE BOULDER DIMENSION IS REQUIRED.
 - C. MATERIAL APPROVED BY ENGINEER SHALL BE PLACED AND COMPACTED IN A MINIMUM OF SIX-INCH (6") COMPACTED LIFTS TO NINETY FIVE PERCENT (95%) OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D698) AT TESTED FIFTY FEET TO RE-ESTABLISH THE SUBGRADE OF EACH BOULDER.
 - D. UNSTABLE MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF BY CONTRACTOR. REMOVAL AND REPLACEMENT OF UNSTABLE MATERIAL SHALL ONLY BE COMPLETED AT THE DIRECTION OF ENGINEER AND SHALL BE PAID FOR UNDER MAJOR EXCAVATION. FAILURE TO PROVIDE ADEQUATE WATER CONTROL MEASURES SHALL NOT BE CAUSE FOR CONTRACTOR TO APPLY MUCK EXCAVATION.
 - E. SUBGRADE SHALL BE EXCAVATED A MINIMUM OF 6" TO A MAXIMUM OF 12" BEHIND BOULDERS.
 - F. BACKFILL BEHIND BOULDERS SHALL BE COMPACTED TO ENGINEER'S SATISFACTION. CARE SHALL BE TAKEN DURING BACKFILL TO AVOID DISTURBING AND/OR DAMAGING THE INTEGRITY OF THE BOULDER CHANNEL EDOGE.
 - G. FINISHED GRADES AND SUBGRADE FOR BOULDERS SHALL BE DETERMINED FROM THE HEIGHT OF EACH BOULDER USED.
2. BOULDERS
 - A. THE TOP OF ALL BOULDERS SHALL BE AS INDICATED ON THE DRAWINGS.
 - B. THE BOULDERS SHALL BE CAREFULLY PLACED AND ARRANGED SO THAT ADJACENT ROCK SURFACES MAY WITHIN TWO (2) INCHES IN TOP ELEVATION AND TWO (2) INCHES ALONG THE VERTICAL EXPOSED FACE OR CHANNEL SIDE OF ROCK.
 - C. BOULDERS SHALL BE PLACED SUCH THAT ADJACENT BOULDERS ARE ONE AND ONE-HALF (1-1/2) TO THREE AND ONE-HALF (3-1/2) INCHES AWAY AND VOIDS DO NOT EXCEED FOUR (4) INCHES TO ALLOW GROUT TO PENETRATE AND LOCK BOULDERS. IT IS THE INTENT OF CONSTRUCTION TO MINIMIZE VOIDS AND GROUT PLACED BETWEEN BOULDERS.
 - D. CONTRACTOR SHALL, IF DEEMED NECESSARY, SUPPORT THE BOULDERS FROM FALLING OVER BEFORE AND DURING THE PLACEMENT OF GROUT, BACKFILL, AND COMPLETING COMPACTION WORK ON EITHER SIDE OF THE BOULDER.
 - E. SMALLER ROCKS SHALL BE CHINKED IN TO FILL ALL VOIDS BEHIND THE BOULDERS. SMALLER ROCKS SHALL ALSO BE USED TO "CHINK IN CAPS LARGER THAN FOUR (4) INCHES. PLACEMENT SHALL BE APPROVED BY ENGINEER PRIOR TO GROUTING.
 - F. SUBSEQUENT LIFTS OF BOULDER SHALL BE BATTERED NO MORE THAN FOUR (4) TO SIX (6) INCHES BACK FROM THE LOWER BOULDER LEVEL FACE.
 - G. BOULDERS SHALL BE CHINKED IN A MINIMUM OF TWELVE (12) INCHES BELOW THE FINAL CHANNEL INVERT ELEVATION, UNLESS SPECIFIED DIFFERENTLY.
 - H. SUBSEQUENT LIFTS OF BOULDERS MAY NOT BE PERCHED ON RIPRAP OR CHANKING ROCK. HOWEVER, ON OR TWO SMALLER PIECES OF RIPRAP MAY BE USED TO HELP LEVEL THE EDGE OF A BOULDER SO THAT THE TOP SURFACE IS RELATIVELY FLAT.
3. GROUTING:
 - A. PRIOR TO PLACING THE GROUT, ANY TYPE OF DEBRIS, FINES, SMALLER ROCK, OR SILT SHALL BE REMOVED FROM AROUND OR UNDER AND ON THE BOULDERS.

B. RETAINING WALLS ARE REQUIRED TO BE CONSTRUCTED TO GUARANTEE THAT THE GROUT WILL NOT BE PLACED IN THE

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05/14/2025

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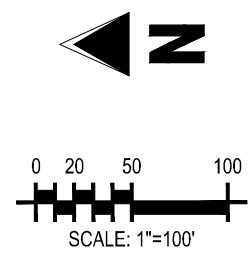
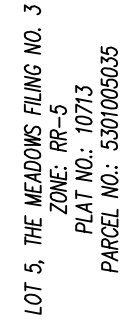
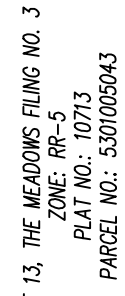
CONSTRUCTION DOCUMENTS
FALCON MEADOWS AT BENT GRASS
FOR
CHALLENGER COMMUNITIES, LLC

BENT GRASS MEADOWS DRIVE & MERIDAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

Project No:	CLH000023
Drawn By:	CMWJ
Checked By:	RGD
Date:	8/19/2022


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Sheet 2 of 23



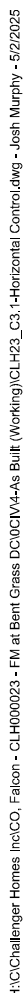
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2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY EITHER THROUGH THE ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

 **Know what's below.**
Call before you dig.



Sheet 4 of 23



LINE TAG #	BEARING	LENGTH (FT)
L1	S159°13'3"W	477.95
L2	S274°09'E	133.51
L3	S2°36'32"E	324.69
L4	S14°42'32"E	41.18
L5	S172°08'E	300.80
L6	S037°23'E	864.53
L8	S724°42'E	152.32
L9	S75°29'E	135.84
L10	S16°35'35"E	147.63
L11	S2746°10"E	178.05



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CHALLENGER HOMES

[illegible]

Project No:	CLH000023
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HORIZONTAL CONTROL

Sheet 5 of 23

CONSTRUCTION DOCUMENTS
FALCON MEADOWS AT BENT GRASS
FOR
CHALLENGER COMMUNITIES, LLC

BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

[illegible]

Project No:	CLH000023
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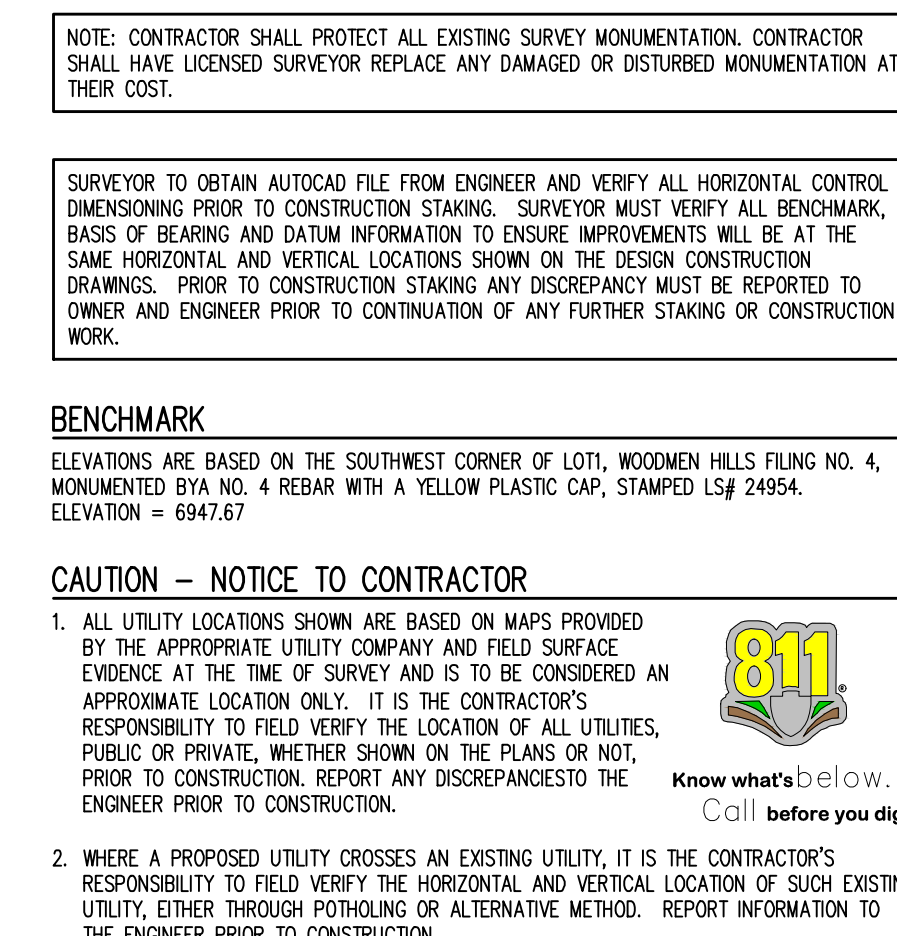
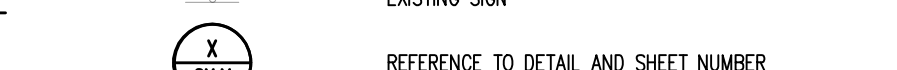
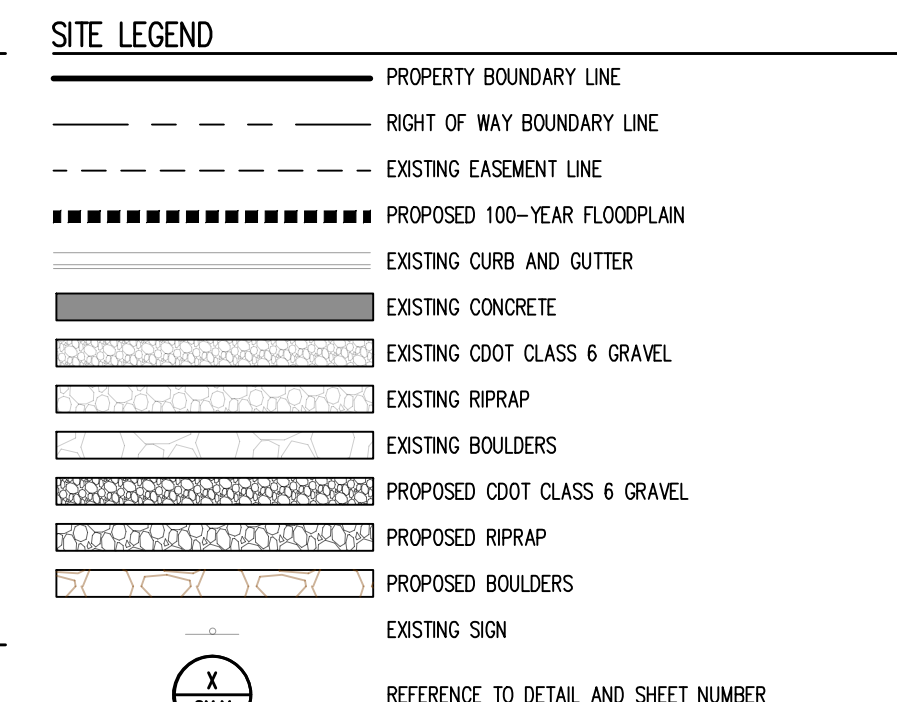
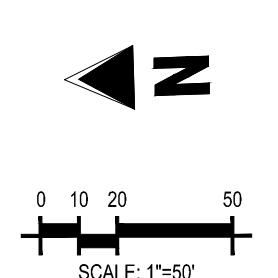
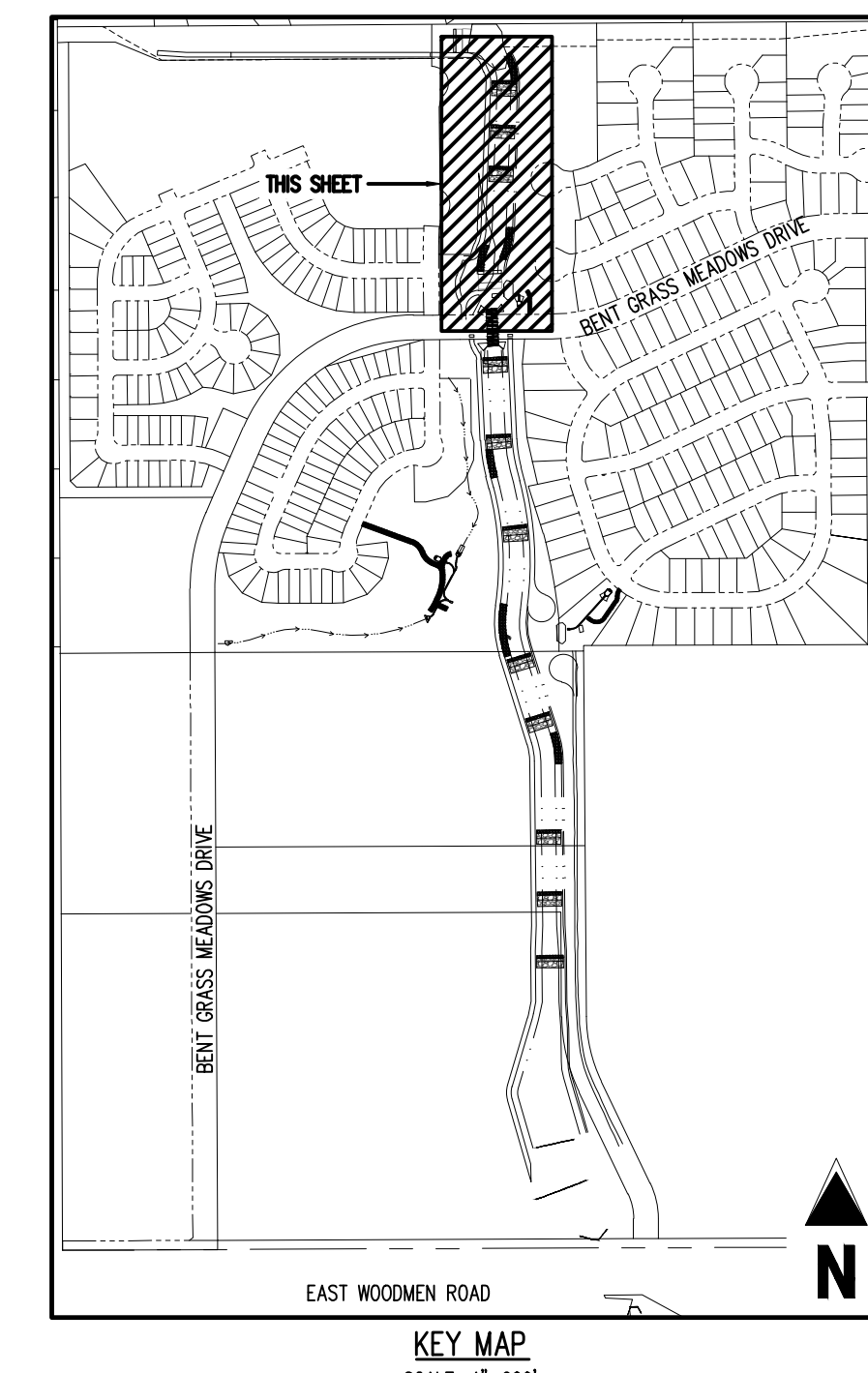
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Sheet 6 of 23

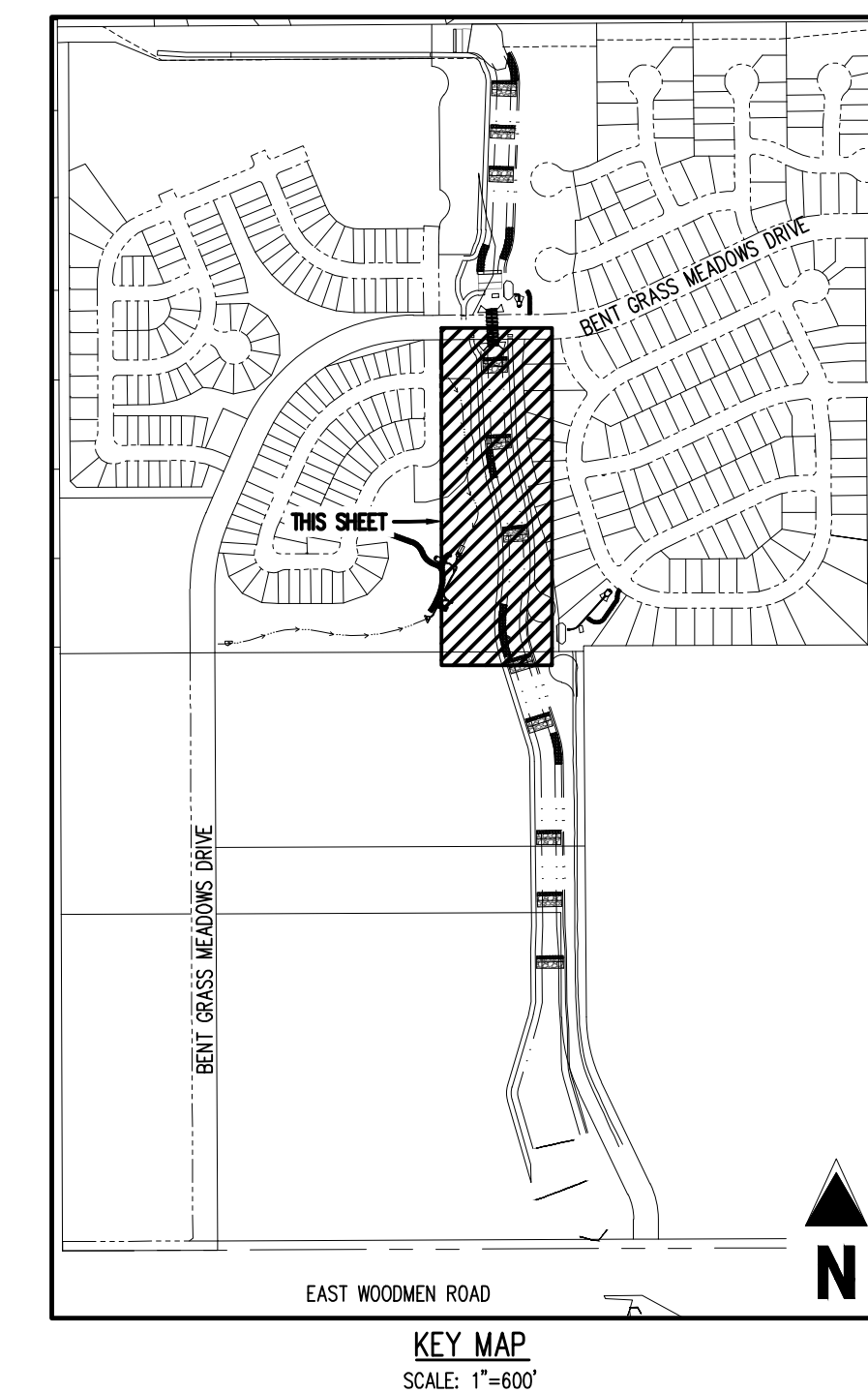
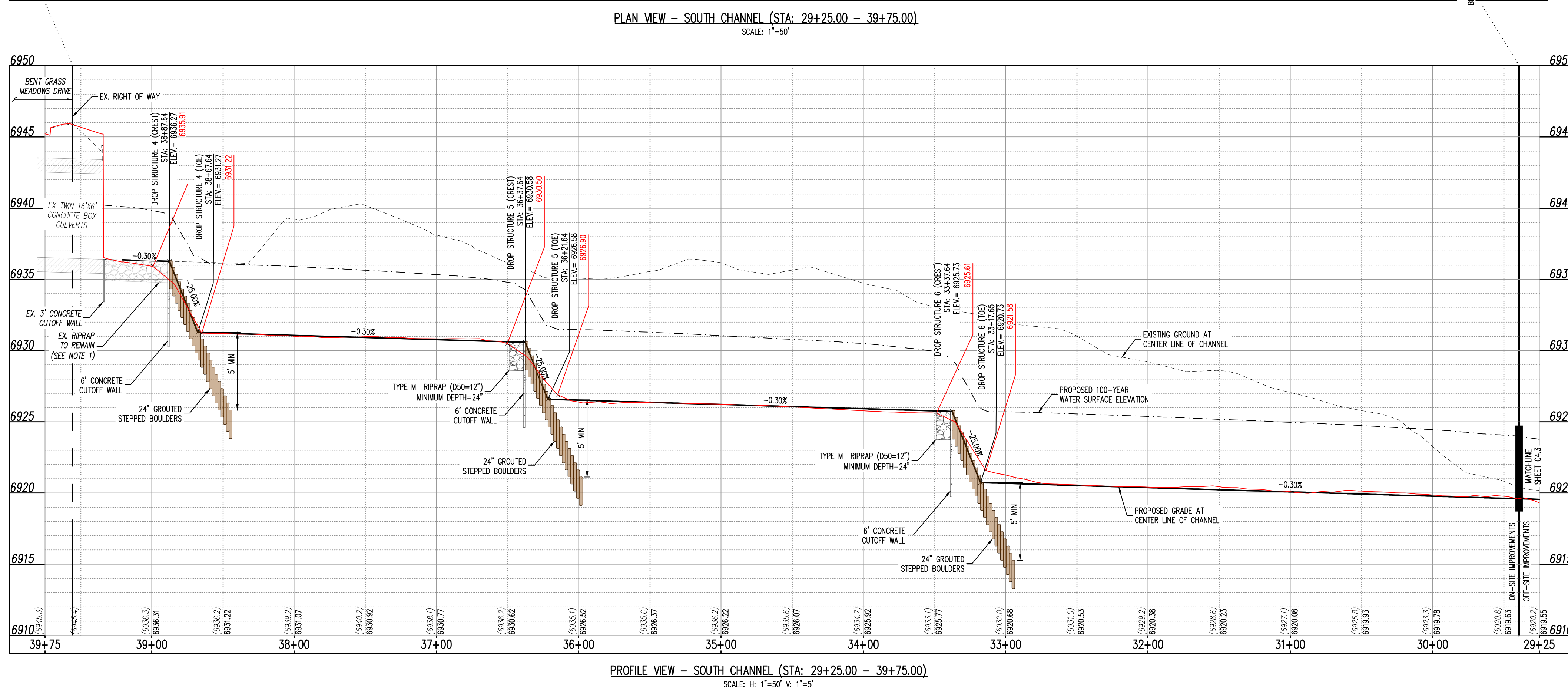
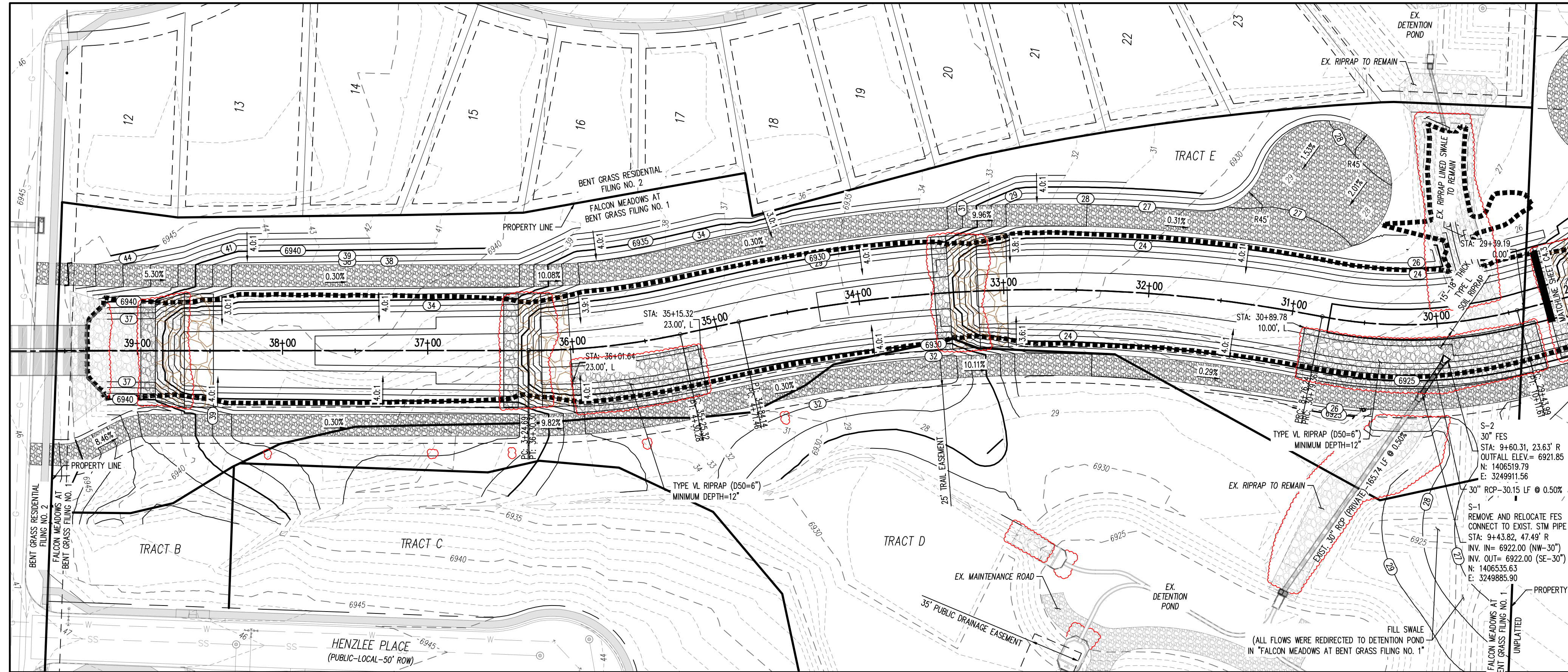
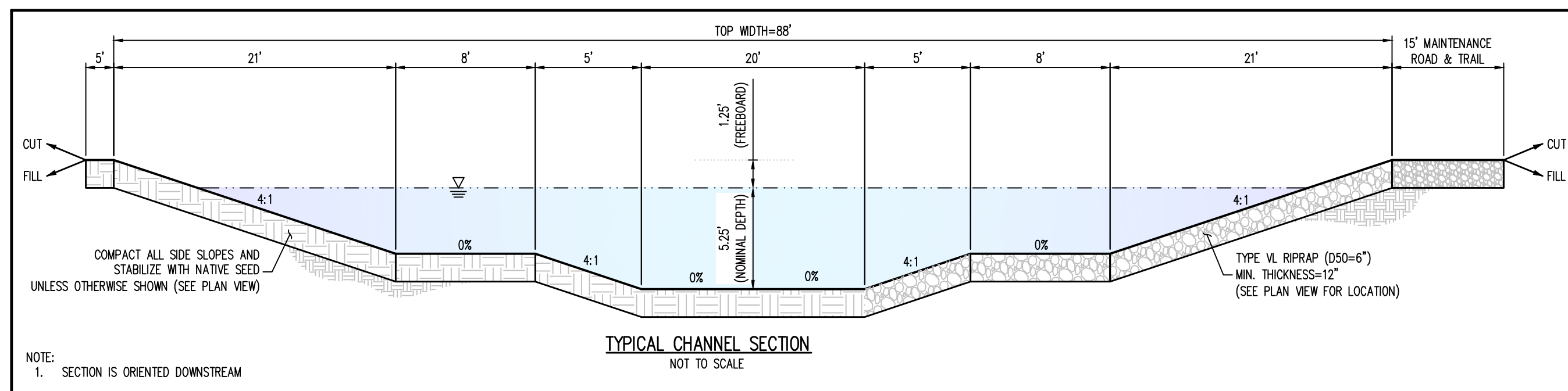
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Know what's below.
Call before you dig.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.





GRADING LEGEND

----- 5460 -----	EXISTING MAJOR CONTOUR
----- 52 -----	EXISTING MINOR CONTOUR
===== 5465 =====	PROPOSED MAJOR CONTOUR
===== 66 =====	PROPOSED MINOR CONTOUR
2.00%	EXISTING SLOPE - PERCENT
4:1	EXISTING SLOPE - RISE/RUN
2.00%	PROPOSED SLOPE - PERCENT
4:1	PROPOSED SLOPE - RISE/RUN
55.00 FG	PROPOSED SPOT ELEVATION - FINISHED GROUND
55.00 CL	PROPOSED SPOT ELEVATION - CENTER LINE
55.00 TOB	PROPOSED SPOT ELEVATION - TOP OF BANK

SITE LEGEND

	PROPERTY BOUNDARY LINE
	RIGHT OF WAY BOUNDARY LINE
	EXISTING EASEMENT LINE
	PROPOSED 100'-YEAR FLOODPLAIN
	EXISTING CURB AND GUTTER
	EXISTING CONCRETE
	EXISTING CDOT CLASS 6 GRAVEL
	EXISTING RIPRAP
	EXISTING Boulders
	PROPOSED CDOT CLASS 6 GRAVEL
	PROPOSED RIPRAP
	PROPOSED Boulders
	EXISTING SIGN
	REFERENCE TO DETAIL AND SHEET NUMBER

UTILITY LEGEND

— W —	EXISTING WATER LINE
— P —	PROPOSED WATER LINE
— SS —	EXISTING SANITARY SEWER
— FG —	EXISTING FIBER OPTIC LINE
— G —	EXISTING GAS LINE
— UT —	EXISTING UNDERGROUND TELEPHONE
— UE —	EXISTING UNDERGROUND ELECTRICAL
— OHT —	EXISTING OVERHEAD TELEPHONE
— OHE —	EXISTING OVERHEAD ELECTRICAL
— S —	EXISTING STORM SEWER
— E —	EXISTING ELECTRICAL BOX
— T —	EXISTING PAD MOUNTED TRANSFORMER
— P —	EXISTING TRAFFIC POLE
— L —	PROPOSED SITE LIGHTING
— S —	EXISTING SANITARY SEWER MANHOLE
— S —	EXISTING STORM SEWER MANHOLE
— W —	EXISTING WATER METER
— V —	EXISTING WATER VALVE
— F —	EXISTING FIRE HYDRANT
— F —	PROPOSED FIRE HYDRANT

NOTES:

1. MAINTAIN FLAT BOTTOM CHANNEL AFTER THE EXISTING 16'X6' CONCRETE BOX CULVERTS AND IMMEDIATELY BEFORE DROP STRUCTURE #4. TRANSITION CHANNEL FROM FLAT BOTTOM TO LOW FLOW WITHIN DROP STRUCTURE #4.

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.

SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK.

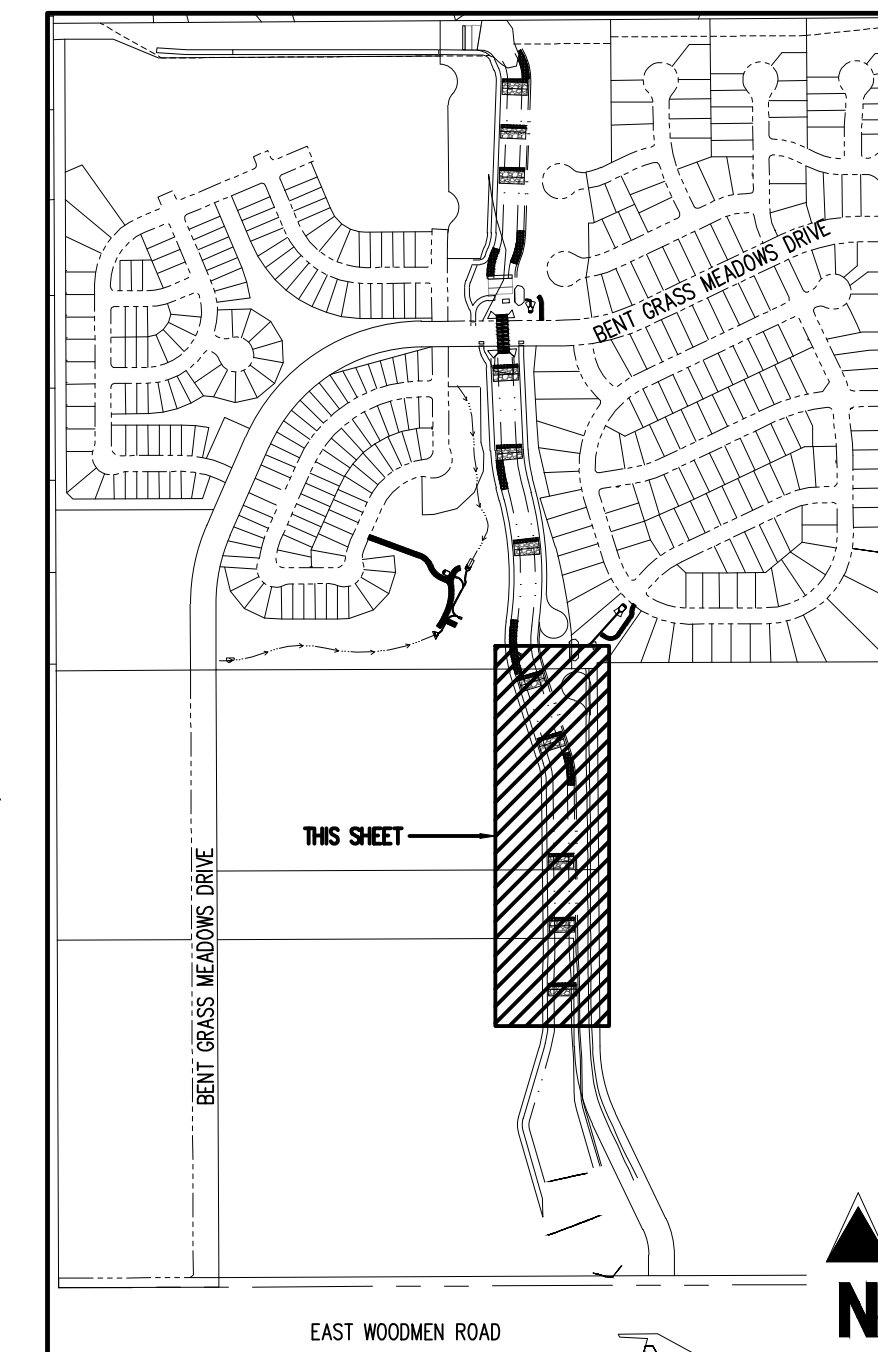
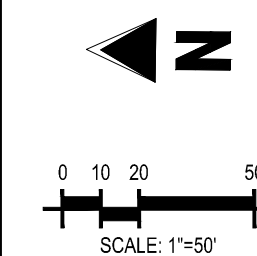
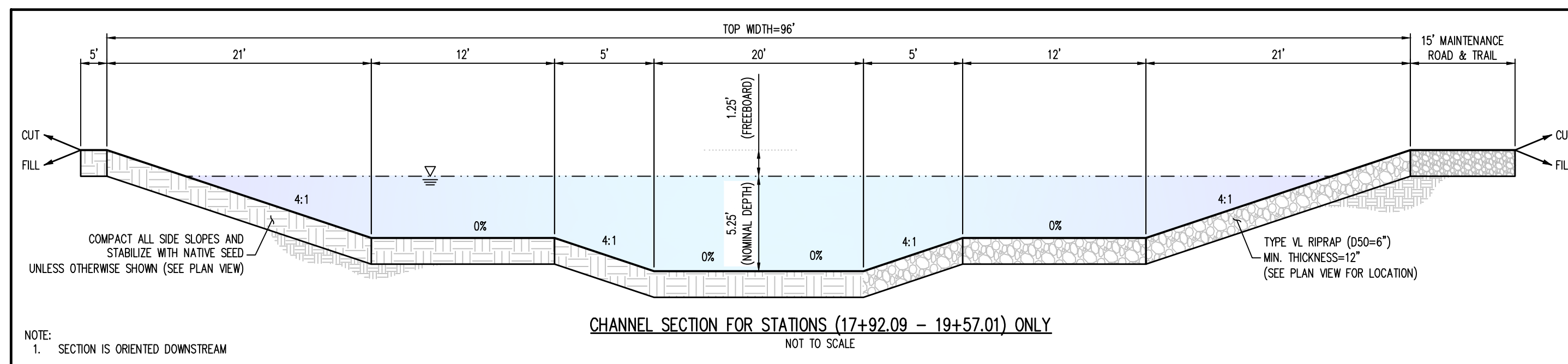
BENCHMARK

ELEVATIONS ARE BASED ON THE SOUTHWEST CORNER OF LOT1, WOODMEN HILLS FILING NO. 4
MONUMENTED BY NO. 4 REBAR WITH A YELLOW PLASTIC CAP, STAMPED LS# 24954.
ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCENCE TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY THROUGH THE USE OF AN ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



CHALLENGER
HOMES

CONSTRUCTION DOCUMENTS
FALCON MEADOWS AT BENT GRASS
FOR
CHALLENGER COMMUNITIES, LLC

BENT GRASS MEADOWS DRIVE & MERIDIAN F
FALCON, CO 80831 - EL PASO COUNTY


[illegible]

SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK.

BENCHMARK
ELEVATIONS ARE BASED ON THE SOUTHWEST CORNER OF LOT1, WOODMEN HILLS FILING NO. 4,
MONUMENTED BYA NO. 4 REBAR WITH A YELLOW PLASTIC CAP, STAMPED LS# 24954.
ELEVATION = 6947.67

CAUTION – NOTICE TO CONTRACTOR

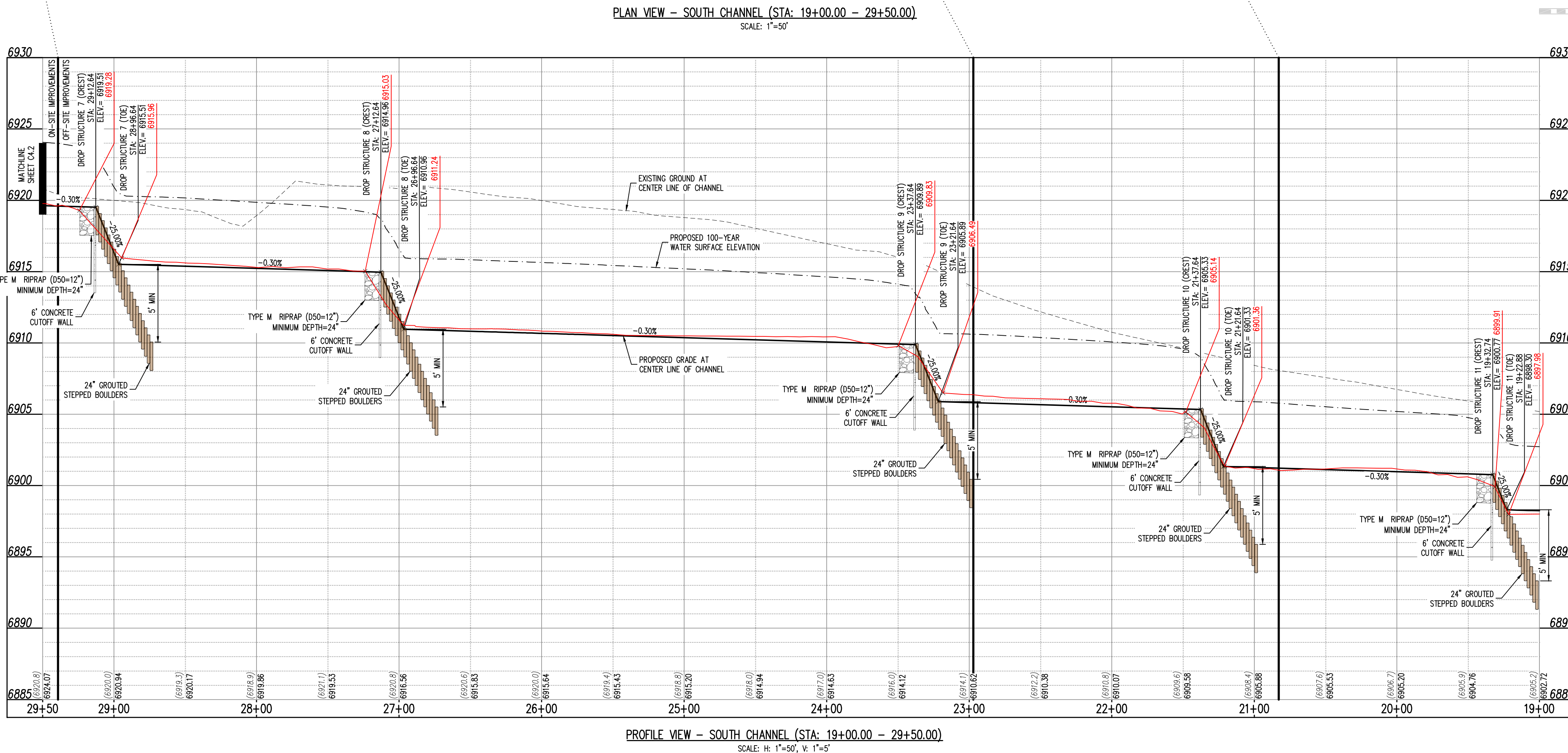
1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

 Know what's below
Call before you dig

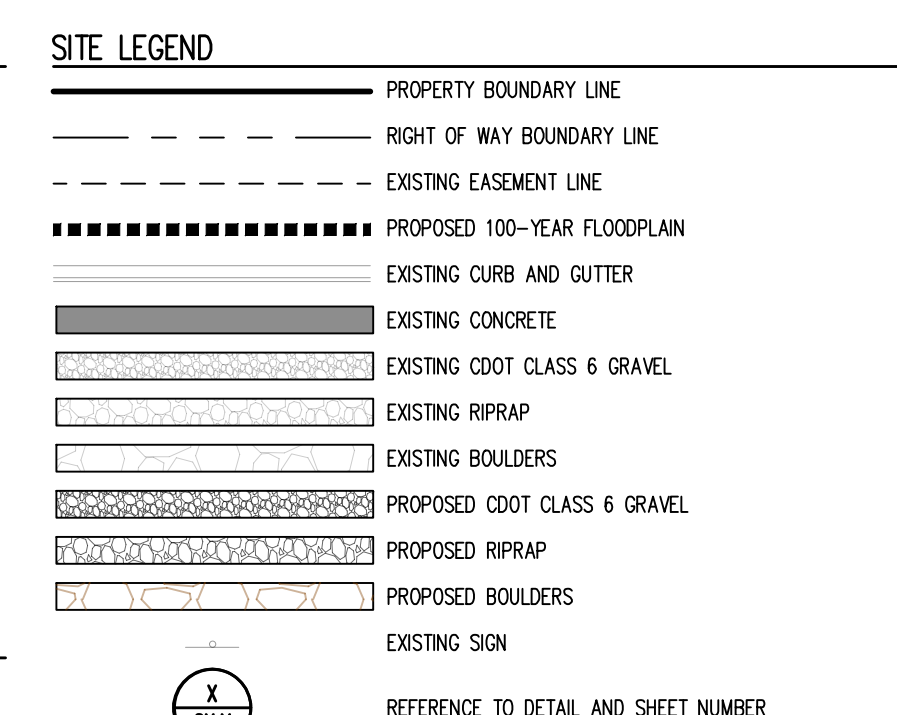
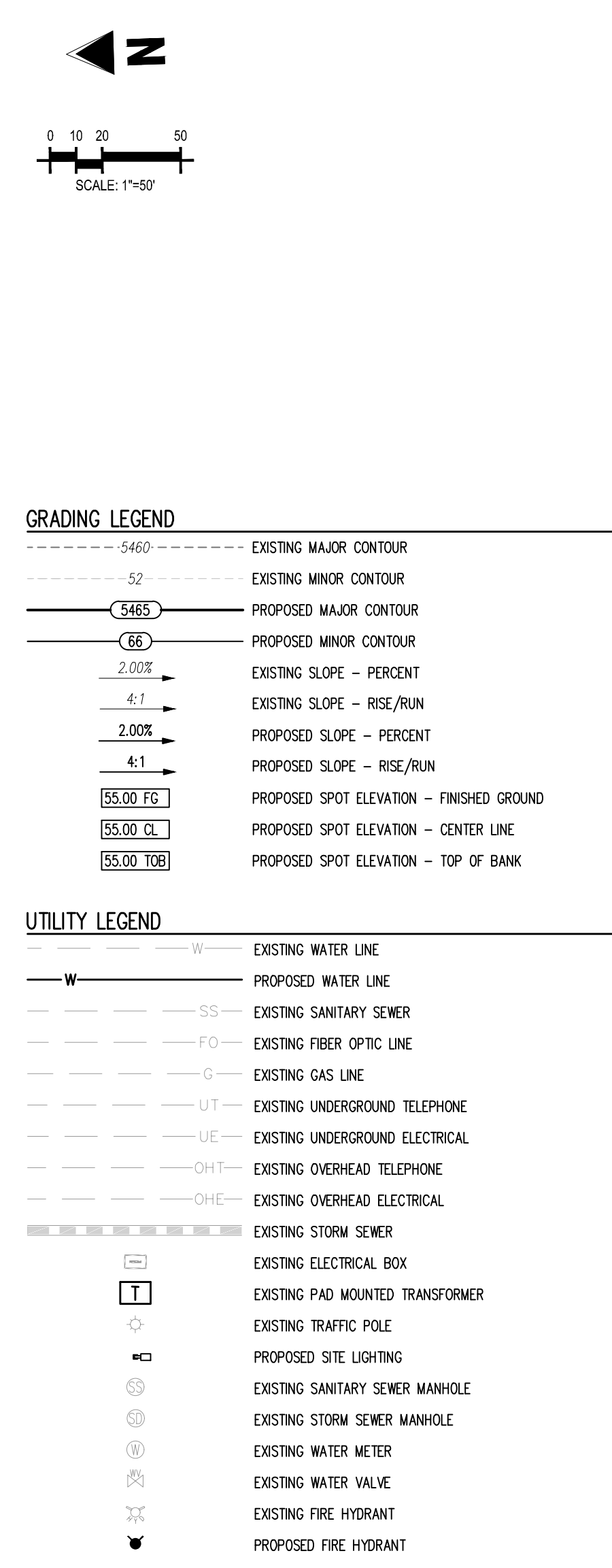
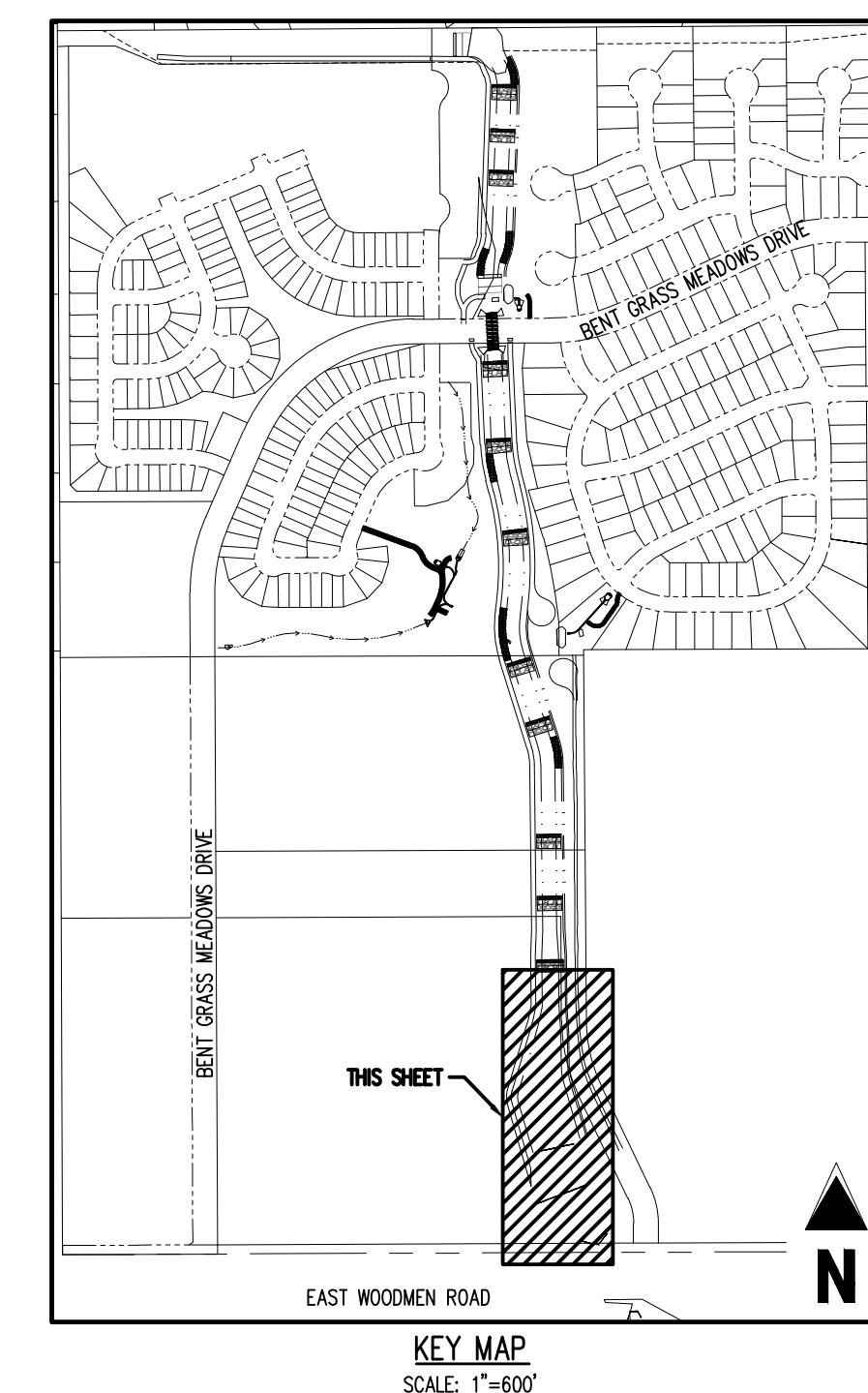
Project No:	CLH000023
Drawn By:	CMWJ
Checked By:	SMB
Date:	8/19/2022

CHANNEL SOUTH - PLAN & PROFILE

C4.3




EPC 1/5/2023



SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK.

CAUTION - NOTICE TO CONTRACTOR

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Know what's below.
Call 811

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION DOCUMENTS
FALCON MEADOWS AT BENT GRASS
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CHALLENGER COMMUNITIES, LLC

BENT GRASS MEADOWS DRIVE & MERIDAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

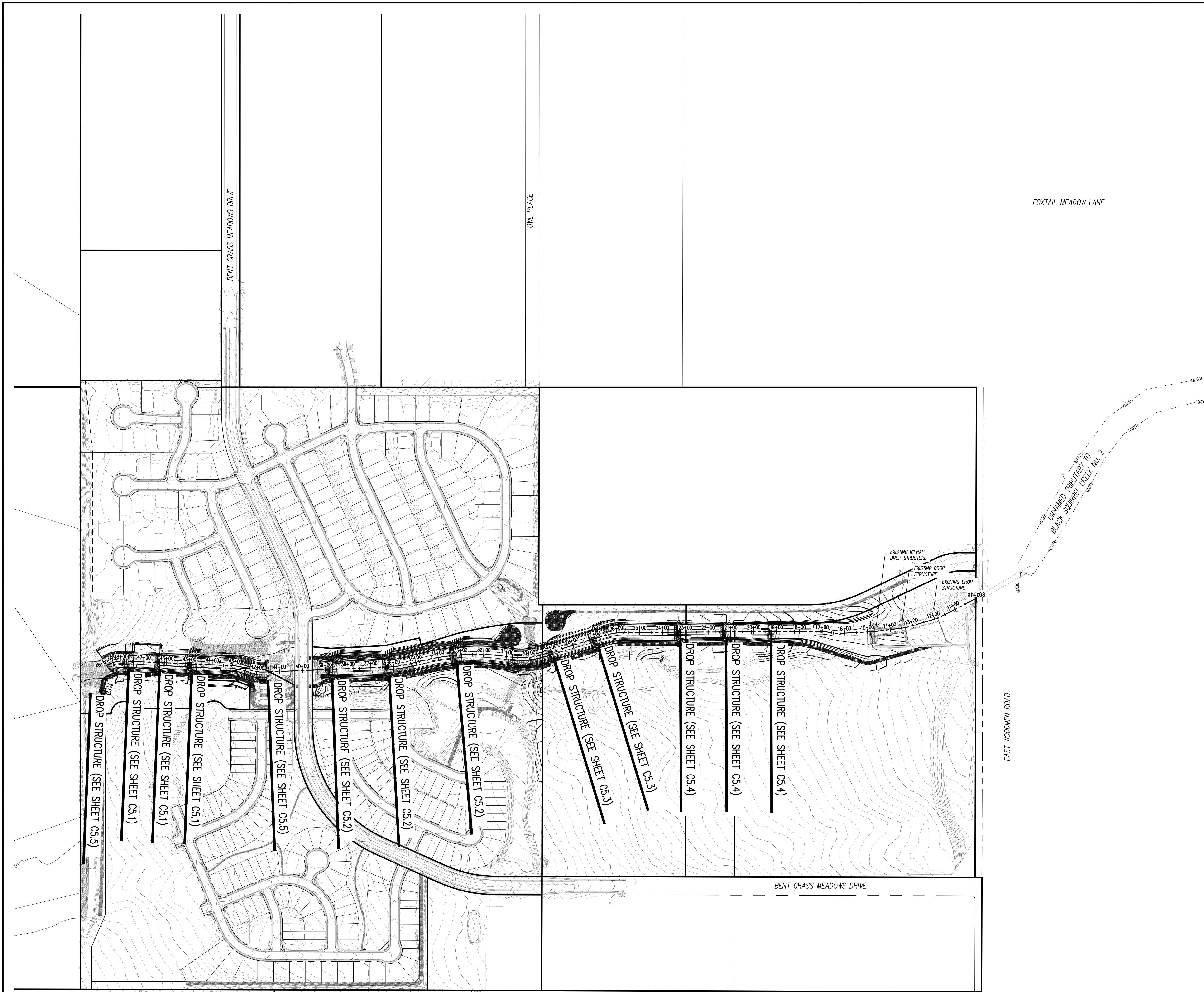
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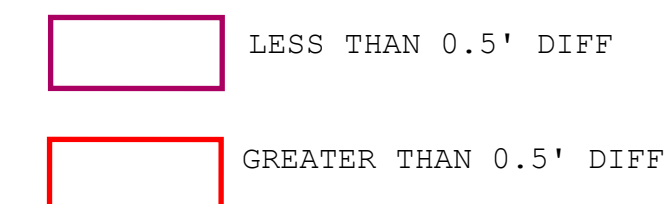
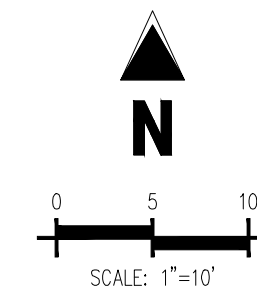
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Checked By:	RGD
Date:	8/19/2022

DROP STRUCTURE KEY MAP





C5.0

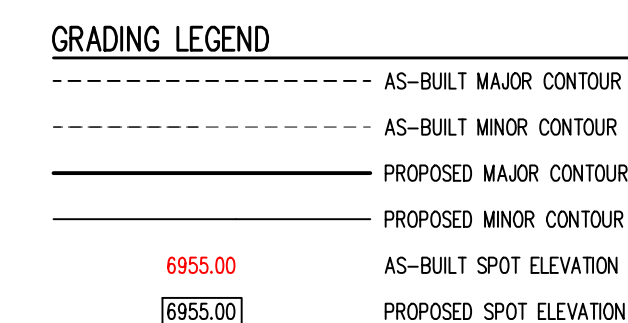
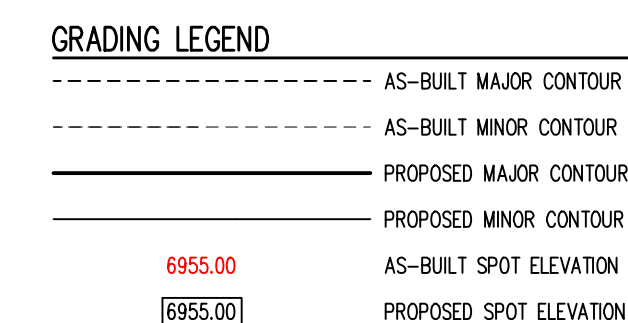
Sheet 11 of 23





KEYMAP
SCALE: 1"=300'

GRADING LEGEND	
	AS-BUILT MAJOR CONTOUR
	AS-BUILT MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	AS-BUILT SPOT ELEVATION
	PROPOSED SPOT ELEVATION



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GallowayUS.com

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CHALLENGER
HOMES

CONSTRUCTION DOCUMENTS
FALCON MEADOWS AT BENT GRASS
FOR
CHALLENGER COMMUNITIES, LLC

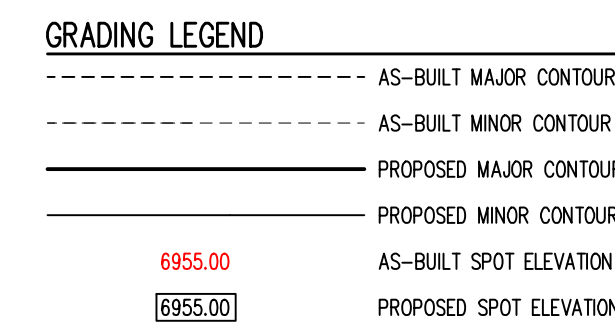
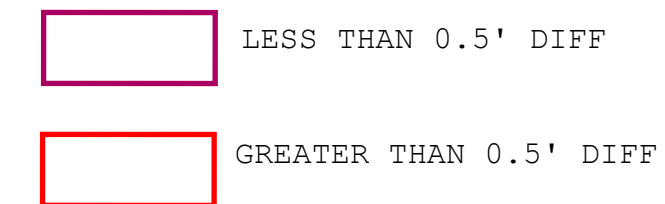
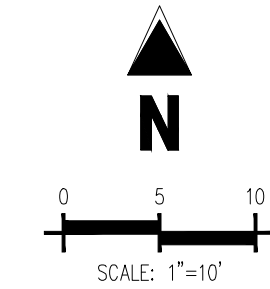
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

[illegible]

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DROP STRUCTURE AS-BUILTS

Sheet 12 of 23



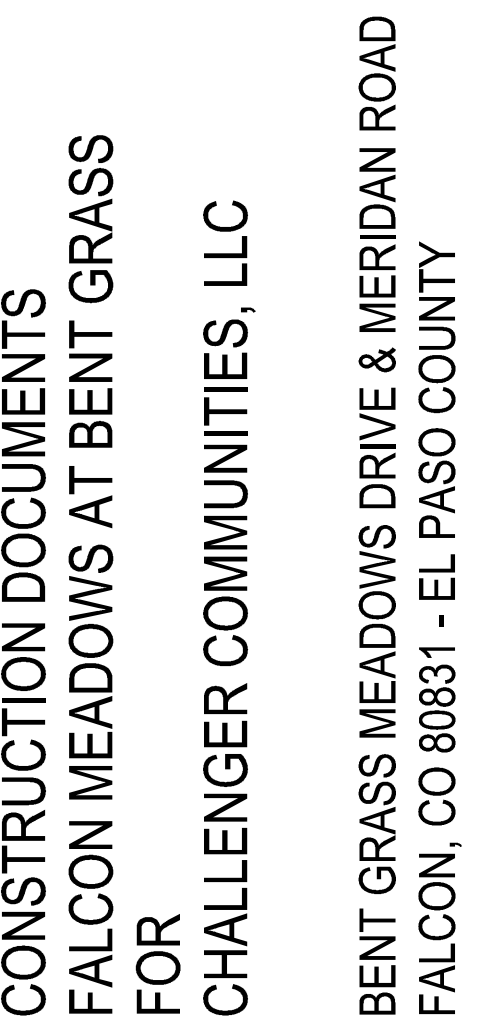
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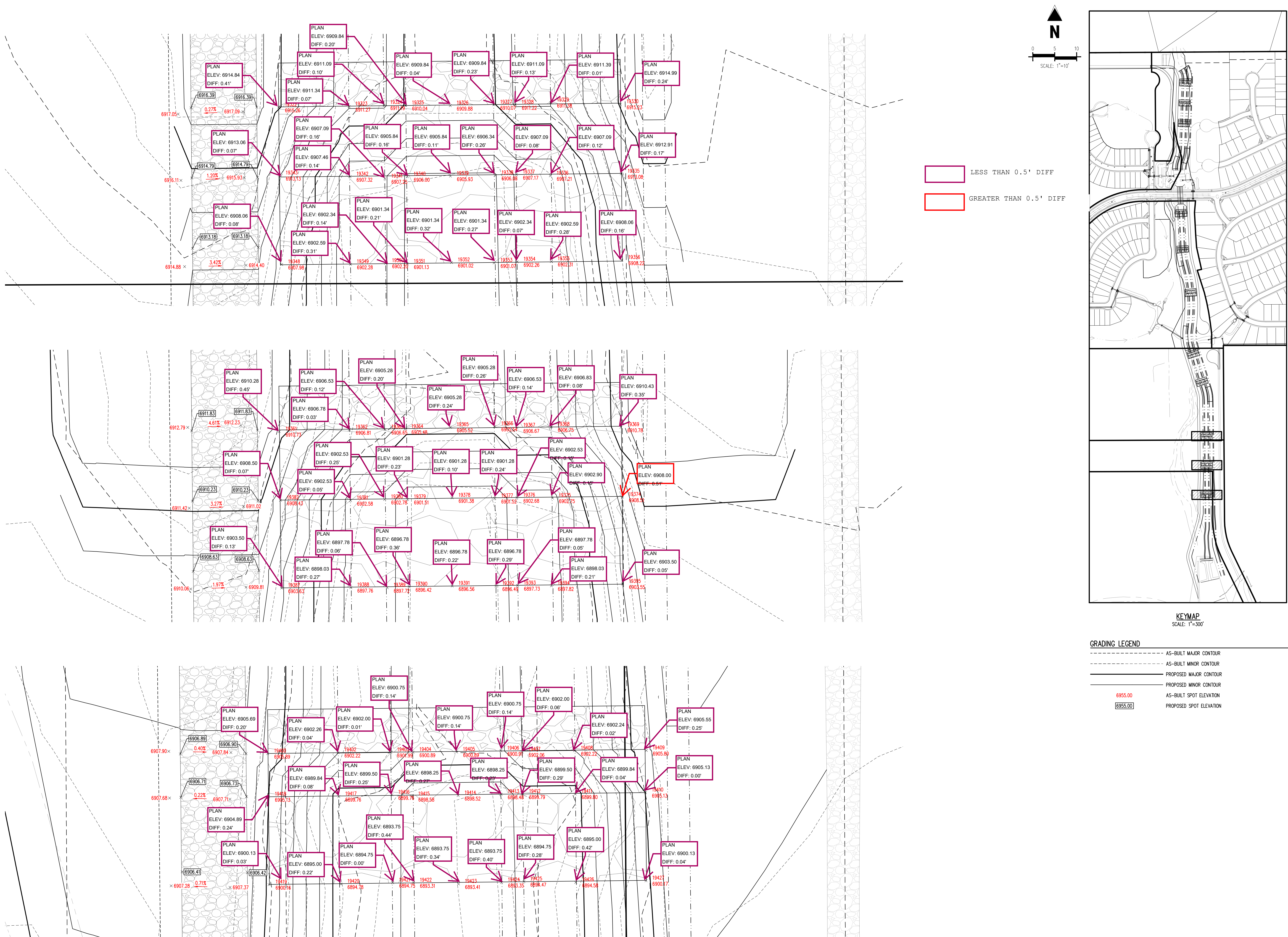
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DROP STRUCTURE AS-BUILTS

Sheet 15 of 23



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CHALLENGER HOMES

CONSTRUCTION DOCUMENTS
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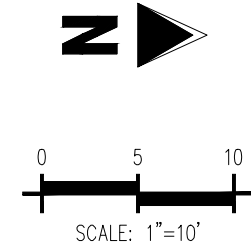
BENT GRASS MEADOWS DRIVE & MERIDIAN ROAD
FALCON, CO 80831 - EL PASO COUNTY

[illegible]

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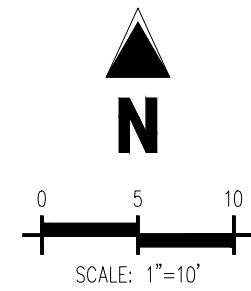
DROP STRUCTURE AS-BUILTS

Sheet 16 of 23



LESS THAN 0.5' DIFF

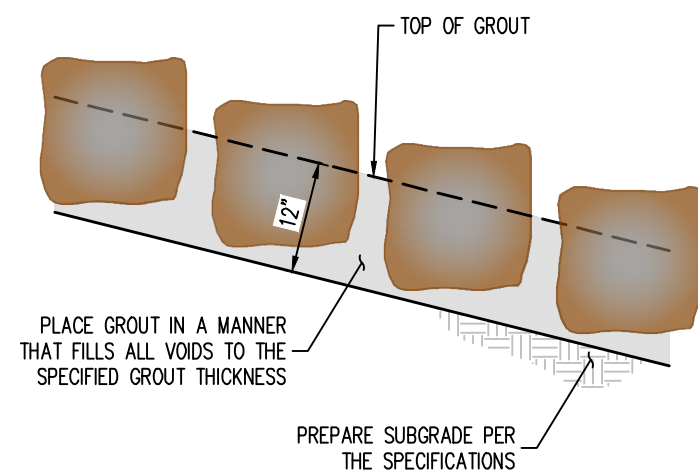
☐ GREATER THAN 0.5' DIFF



KEYMAP
SCALE: 1"=300'

GRADING LEGEND

-----	AS-BUILT MAJOR CONTOUR
-----	AS-BUILT MINOR CONTOUR
=====	PROPOSED MAJOR CONTOUR
=====	PROPOSED MINOR CONTOUR
6955.00	AS-BUILT SPOT ELEVATION
6955.00	PROPOSED SPOT ELEVATION



BOULDER PLACEMENT NOTES:

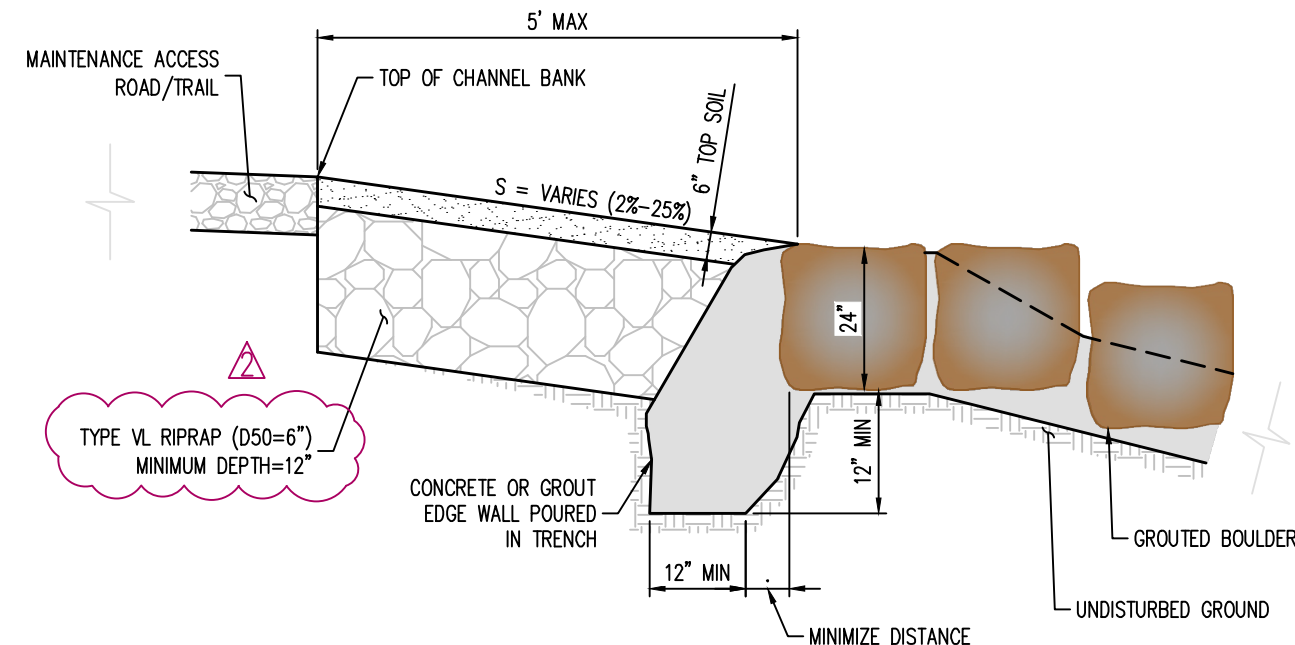
1. PLACE BOULDERS WITH THE REQUIRED BOULDER HEIGHT VERTICAL. PLACE BOULDERS AS TIGHTLY TOGETHER AS POSSIBLE (WITHOUT TOUCHING) WHILE PROVIDING ENOUGH ROOM BETWEEN THEM TO THOROUGHLY VIBRATE THE GROUT AND TO ENSURE NO GAPS IN THE GROUT. THE SMALL DIMENSION OF A 2X4 CAN BE USED AS A GUIDE TO CHECK MINIMUM SPACING.
2. BEFORE GROUTING, CLEAN ALL DIRT AND MATERIAL FROM ROCK THAT COULD PREVENT THE GROUT FROM BINDING TO THE ROCK. KEEP BOULDERS FROM TOUCHING. AVOID SLIDING BOULDERS AGAINST SUBGRADE TO PROPERLY POSITION.

MATERIAL SPECIFICATIONS:

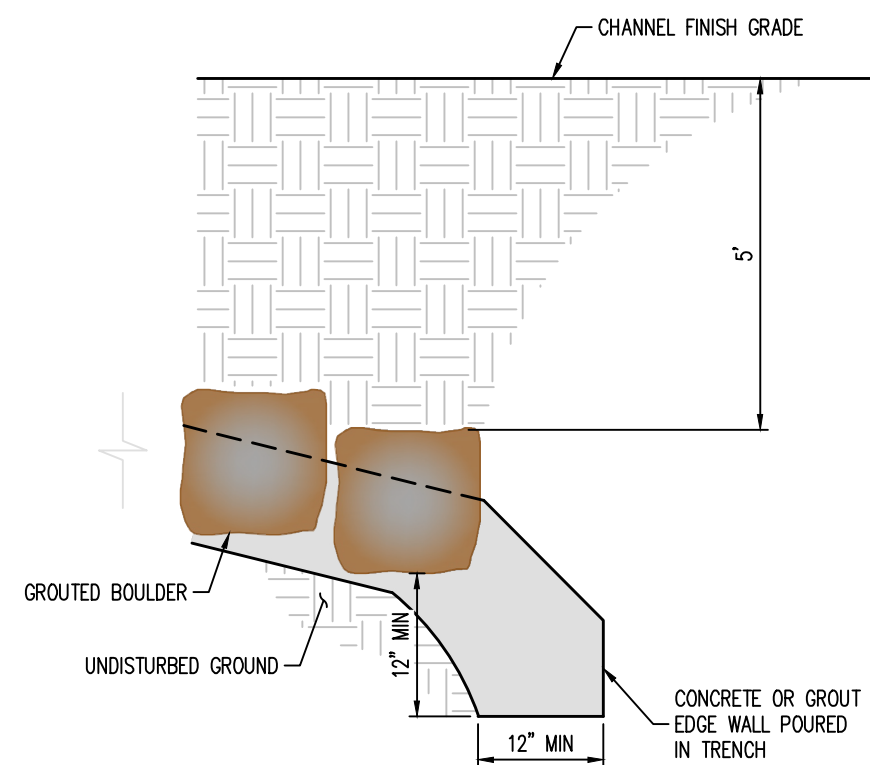
1. ALL GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH EQUAL TO 3200 PSI
2. ONE CUBIC YARD OF GROUT SHALL HAVE A MINIMUM OF SIX (6) SACKS OF TYPE II PORTLAND CEMENT.
3. A MAXIMUM OF 25% TYPE F FLY ASH MAY BE SUBSTITUTED FOR THE PORTLAND CEMENT.
4. THE AGGREGATE SHALL BE COMPRISED OF 70% NATURAL SAND (FINES) AND 30% 3/4" ROCK (COARSE).
5. THE GROUT SLUMP SHALL BE BETWEEN 4-INCHES TO 6-INCHES.
6. AIR ENTRAINMENT SHALL BE BETWEEN 5.5% AND 7.5%.
7. TO CONTROL SHRINKAGE AND CRACKING, 15 POUNDS OF FIBERESH, OR EQUIVALENT, SHALL BE USED PER CUBIC YARD OF GROUT.
8. COLOR ADDITIVE IN REQUIRED AMOUNTS SHALL BE USED WHEN SO SPECIFIED BY CONTRACT.

GROUT PLACEMENT SPECIFICATIONS:

1. SPECIAL PROCEDURES SHALL BE REQUIRED FOR GROUT PLACEMENT WHEN THE AIR TEMPERATURES ARE LESS THAN 40° OR GREATER THAN 90°. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE DESIGN ENGINEER OF THE PROCEDURES TO BE USED FOR PROTECTING THE GROUT.
2. GROUT SHALL BE DELIVERED BY MEANS OF A LOW PRESSURE (LESS THAN 10 PSI) GROUT PUMP USING A 2-INCH DIAMETER (MAXIMUM) NOZZLE.
3. FULL DEPTH PENETRATION OF THE GROUT INTO THE BOULDER VOIDS SHALL BE ACHIEVED BY INJECTING GROUT STARTING WITH THE NOZZLE NEAR THE BOTTOM AND RAISING IT TO THE ROOF FILLS, WHILE VIBRATING GROUT INTO PLACE USING A PENCIL VIBRATOR.
4. ALL GROUT BETWEEN BOULDERS SHALL BE TREATED WITH A BROOM FINISH.
5. AFTER GROUT PLACEMENT, EXPOSED BOULDER FACES SHALL BE CLEANED AND FREE OF GROUT.
6. ALL FINISHED GROUT SURFACES SHALL BE SPRAYED WITH A CLEAR LIQUID MEMBRANE CURING COMPOUND AS SPECIFIED IN ASTM C309

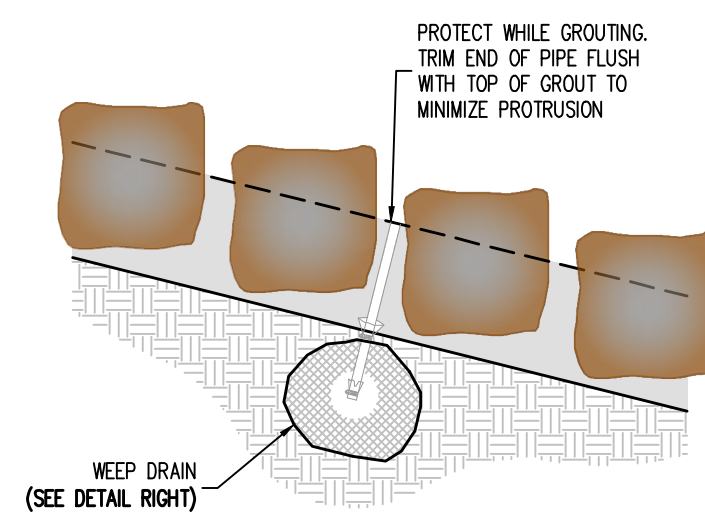


EDGE SIDE WALL DETAIL

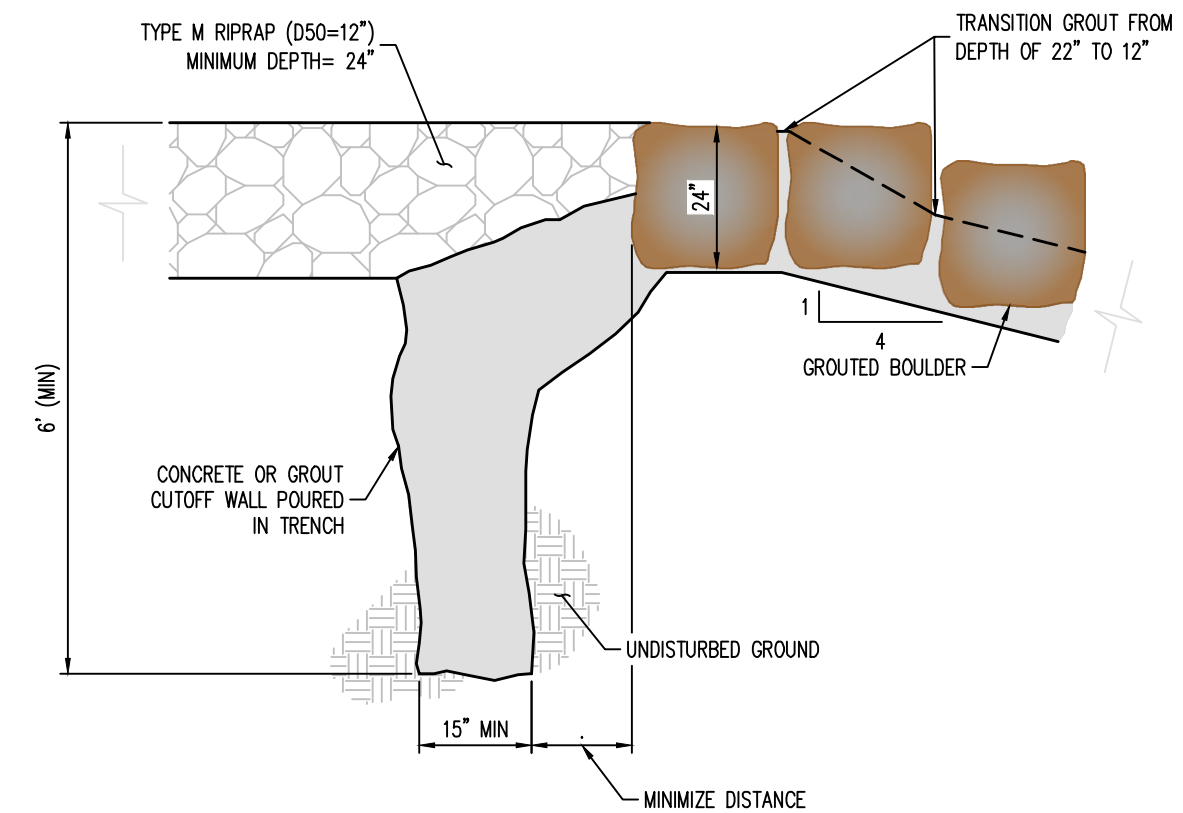


EDGE TOE WALL DETAIL

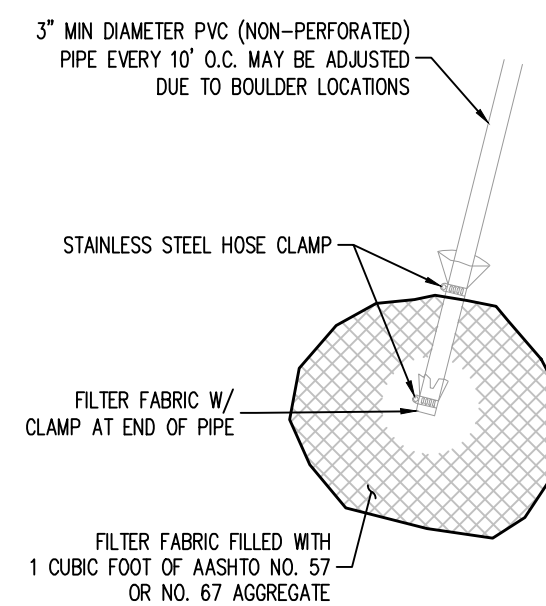
② EDGE WALL DETAIL
NOT TO SCALE



4 WEEP DRAIN DETAIL
NOT TO SCALE



③ CUT-OFF WALL DETAIL
NOT TO SCALE



SOIL RIPRAP SPECIFICATIONS:

1. CONTRACTOR SHALL EXCAVATE AREAS TO RECEIVE SOIL RIPRAP TO THE SPECIFIED DEPTH.
2. SUBGRADE SHOULD BE COMPACTED TO NINETY-FIVE PERCENT (95%) MAXIMUM DENSITY.
3. NO BEDDING MATERIAL IS REQUIRED FOR SOIL RIPRAP.
4. RIPRAP SHALL BE PLACED ON THE PREPARED SLOPE OR CHANNEL BOTTOM AREAS IN A MANNER WHICH WILL PRODUCE A REASONABLY WELL GRADED MASS OF STONE WITH THE MINIMUM PRACTICABLE PERCENTAGE OF VOIDS.
5. RIPRAP SHALL BE MACHINE PLACED.
6. IT IS THE INTENT OF THESE SPECIFICATIONS TO PRODUCE A FAIRLY COMPACT RIPRAP PROTECTION IN WHICH ALL SIZES OF MATERIAL ARE PLACED IN THEIR PROPER PROPORTIONS.
7. WHEN RIPRAP IS PLACED ON SLOPE, PLACEMENT SHALL COMMENCE AT THE BOTTOM OF THE SLOPE WORKING UP THE SLOPE.
8. ALL MATERIAL USED IN PROTECTION FOR CHANNEL SLOPE OR BOTTOM SHALL BE PLACED AND DISTRIBUTED SUCH THAT THERE SHALL BE NO LARGE ACCUMULATIONS OF EITHER THE LARGER OR SMALLER SIZES OF STONE. SOME HAND PLACEMENT MAY BE REQUIRED TO ACHIEVE THIS DISTRIBUTION.
9. SMALLER ROCK SIZES SHALL LOCK INTO THE LARGER STONE. IT IS ESSENTIAL THAT THE MATERIAL BETWEEN THE LARGER STONES NOT BE LOOSE OR EASILY DISPLACED BY FLOW.
10. THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL AND MIXED WITH SIXTY-FIVE PERCENT (65%) RIPRAP AND THIRTY-FIVE PERCENT (35%) SOIL BY VOLUME.
11. SOIL RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS. SOIL RIPRAP SHALL BE FREE OF BRUSH, TREES, STUMPS, AND OTHER OBJECTIONABLE MATERIAL AND BE GRADDED TO A SMOOTH COMPACT SURFACE.
12. MIXING OF SOIL AND RIPRAP SHALL BE DONE AT THE STOCKPILE LOCATION, NOT AT THE LOCATION WHERE SOIL RIPRAP IS TO BE PLACED.
13. MIX THIRTY-FIVE PERCENT (35%) SOIL BY VOLUME WITH STOCKPILED RIPRAP, USING ADDITIONAL MOISTURE AND CONTROL PROCEDURES THAT ENSURE A HOMOGENEOUS MIXTURE.
14. THE SOIL FILL SHALL BE PLACED IN LAYERS OF RIPRAP WITHOUT DISPLACING RIPRAP. LAYERING THE RIPRAP AND SOIL INSTEAD OF PREMIXING MAY BE ALLOWED IF THE NATIVE SOIL IS GRANULAR.
15. PLACE A FIRST LAYER OF SMALLER SOIL RIPRAP OF APPROXIMATE D5 THICKNESS THEN THE TOP LAYER WITH THE SURFACE ROCKS THAT ARE LARGER D50 OR GREATER, FILLING VOIDS AS NECESSARY WITH THE SMALLER PLANTED RIPRAP.
16. THE MIXTURE SHALL BE CONSOLIDATED BY LARGE VIBRATORY EQUIPMENT OR BACKHOE BUCKETS TO CREATE A TIGHT, DENSE INTERLOCKING MASS.
17. THE SOIL SHALL BE PLACED IN LAYERS OF TWO INCHES OF SOIL FILLING WITH SOIL.
18. ANY LARGE VOIDS SHALL BE FILLED WITH ROCK AND SMALL VOIDS FILLED WITH SOIL.
19. THE TOP SURFACE SHALL BE COVERED WITH FOUR (4) INCHES OF TOPSOIL SUCH THAT NO ROCK POINTS ARE PROTRUDING.
20. THE FINAL SURFACE SHALL BE THOROUGHLY WETTED FOR GOOD COMPACTION, SMOOTHED AND COMPACTED BY VIBRATING EQUIPMENT.

[illegible]

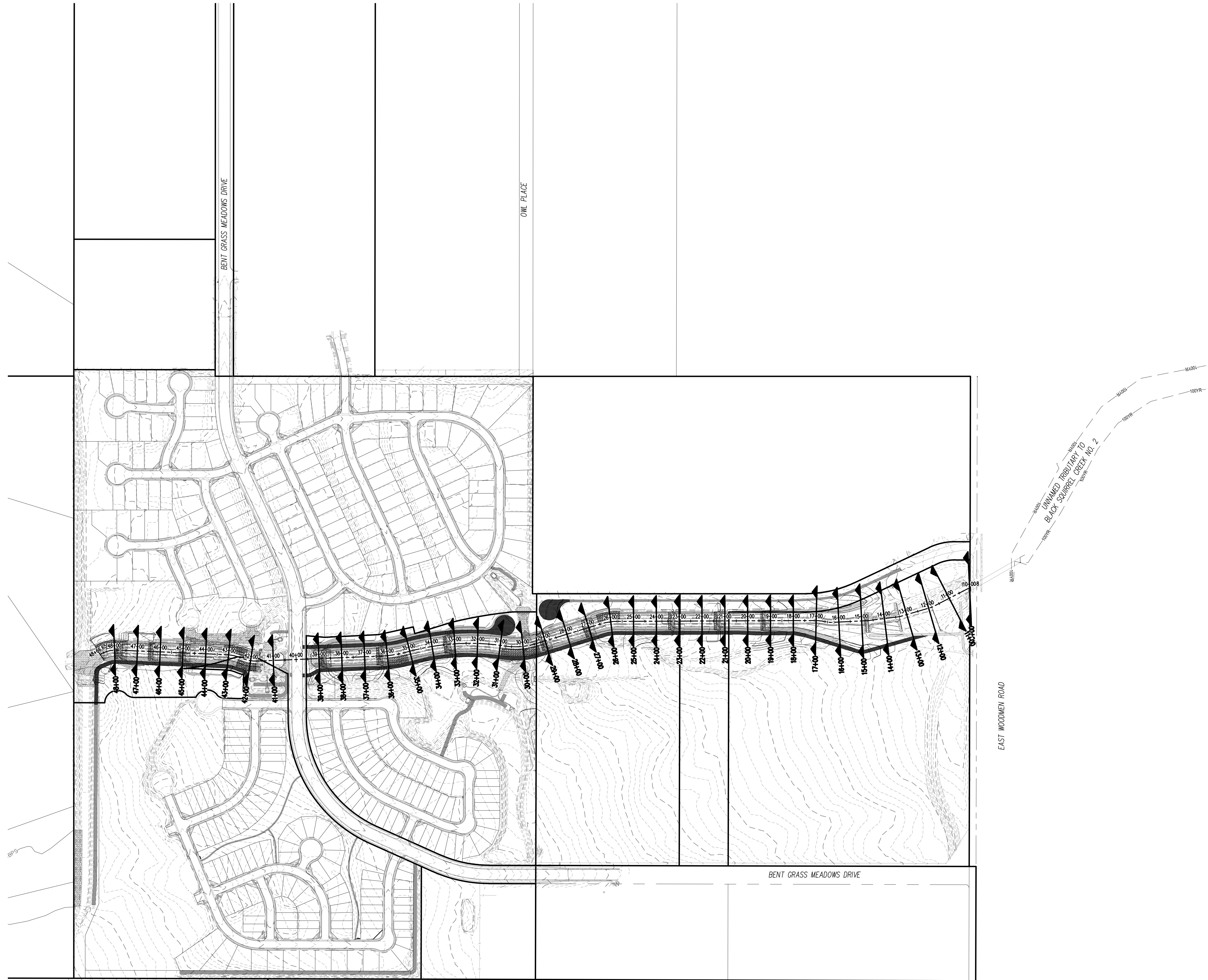
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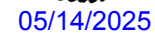
CHANNEL SECTIONS KEY MAP

C6.0

Sheet 18 of 23



100/112



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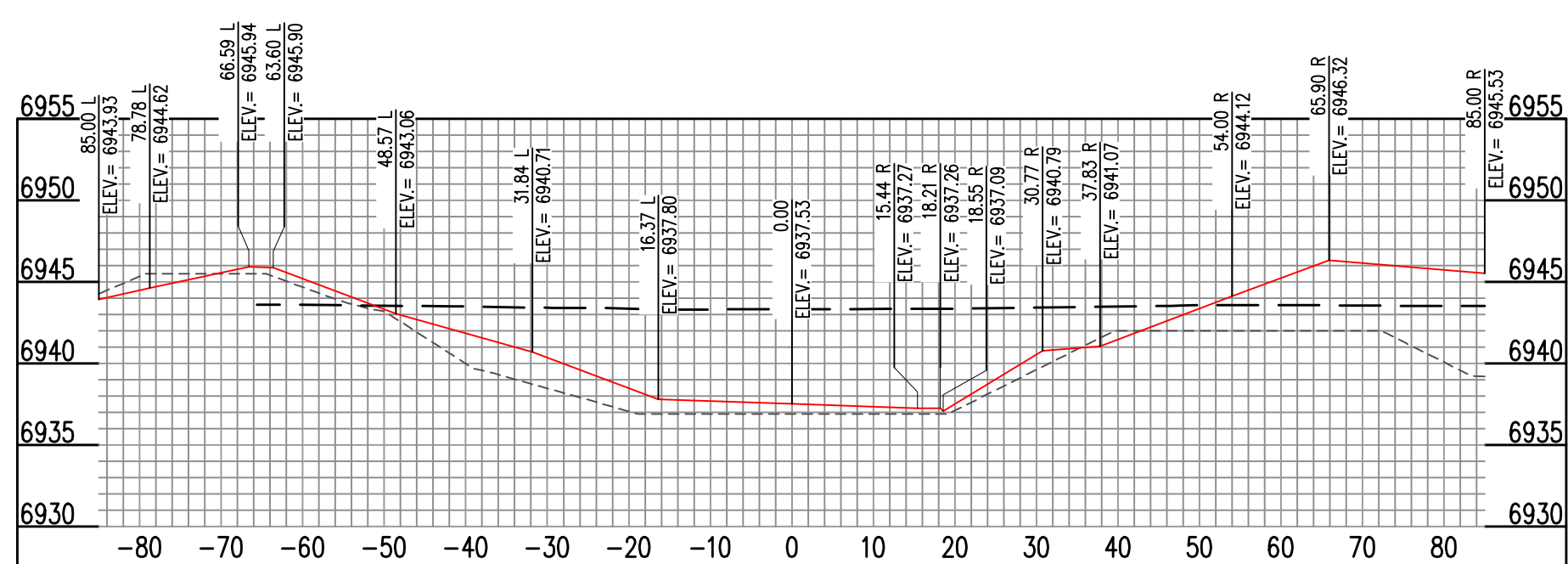
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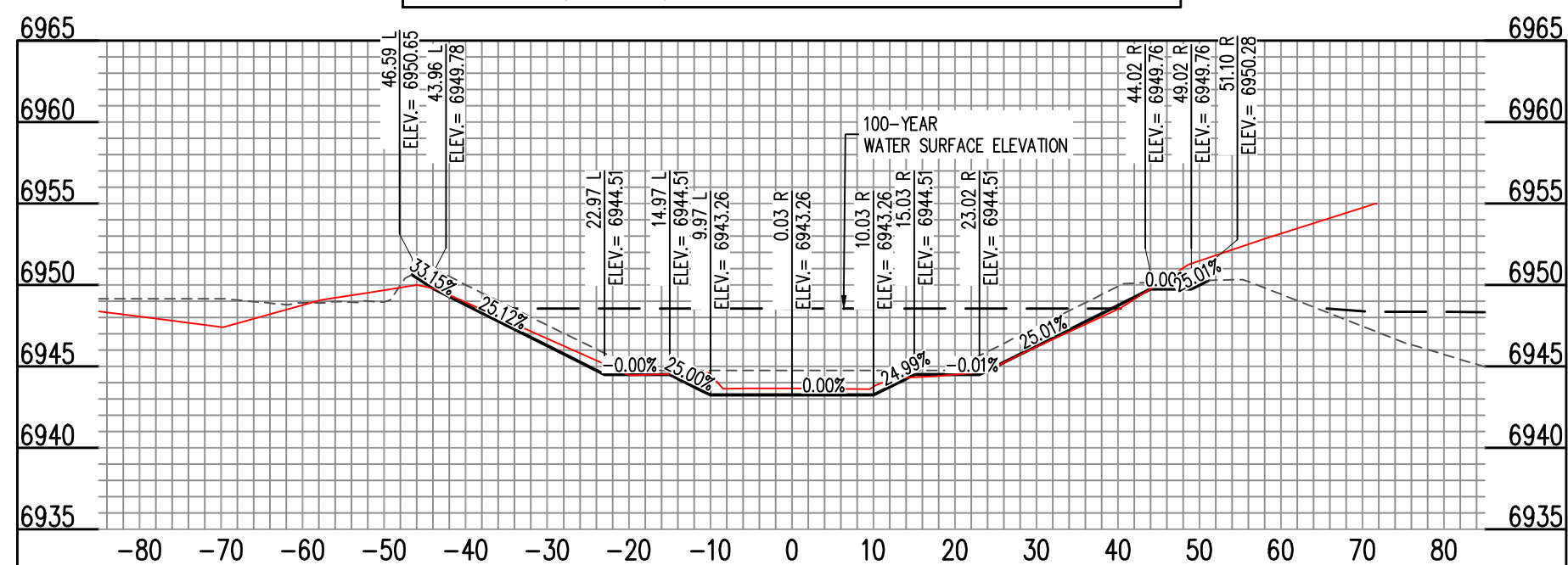
NORTH CHANNEL SECTIONS

C6.1

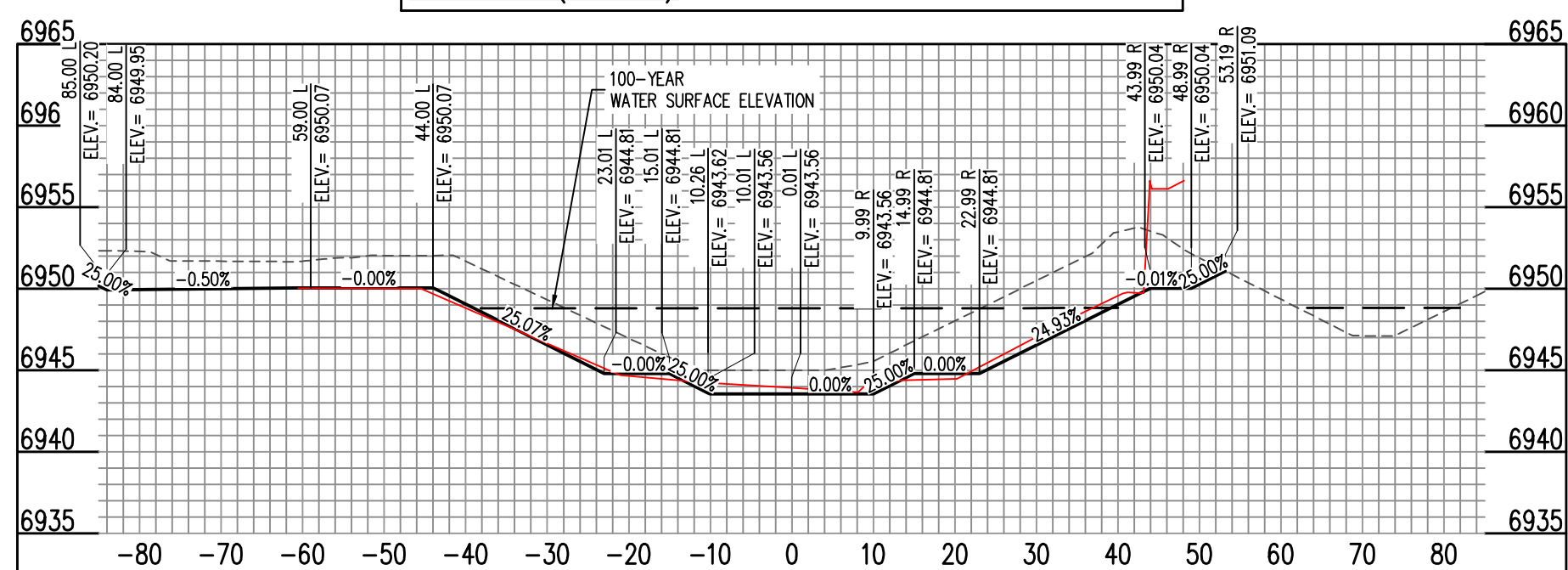
Sheet 19 of 23



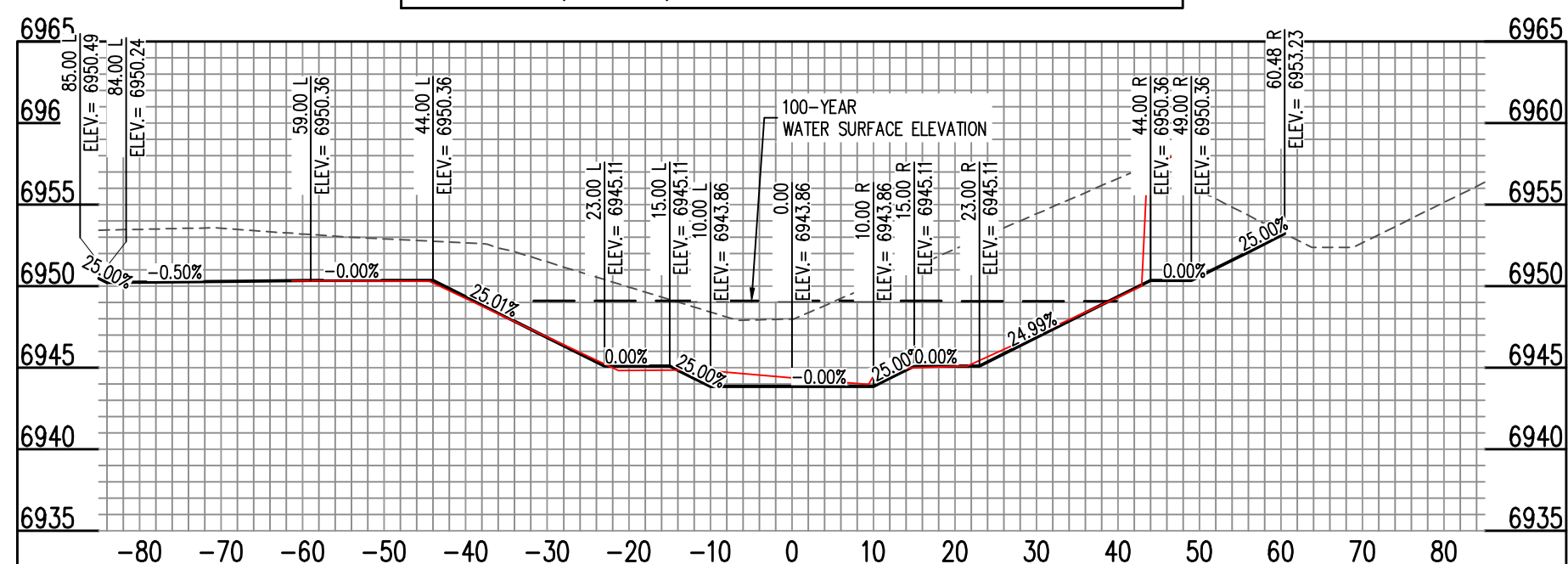
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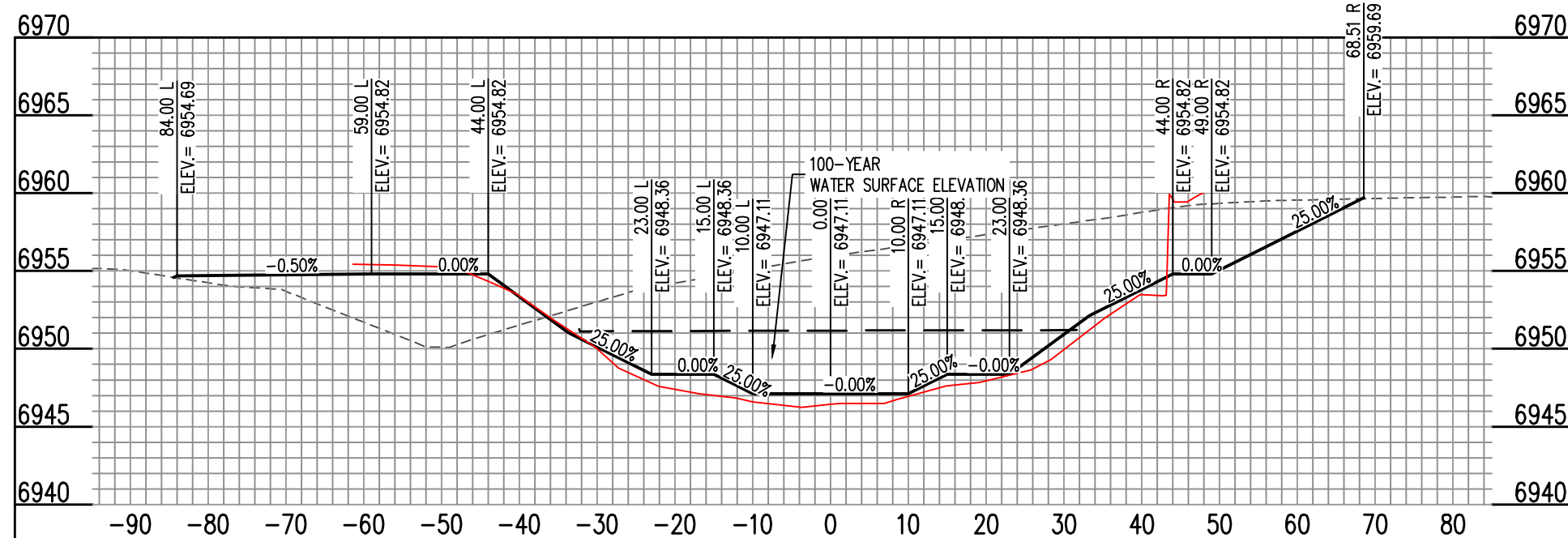
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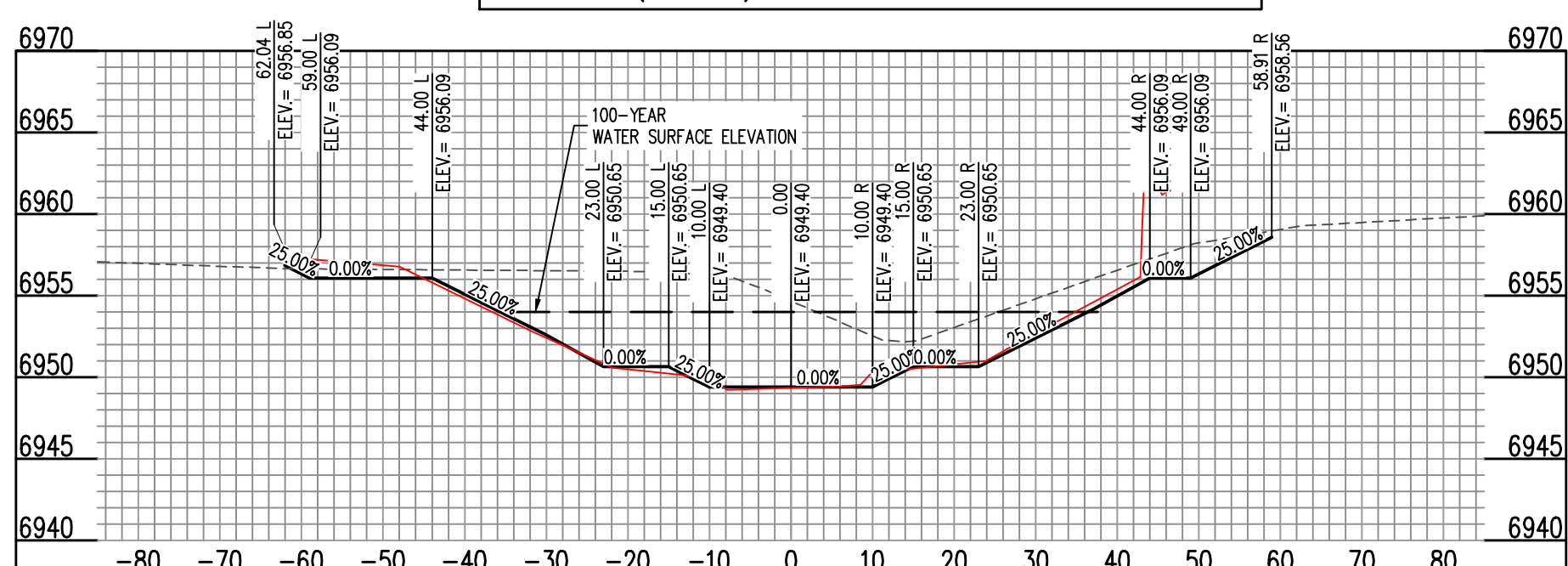
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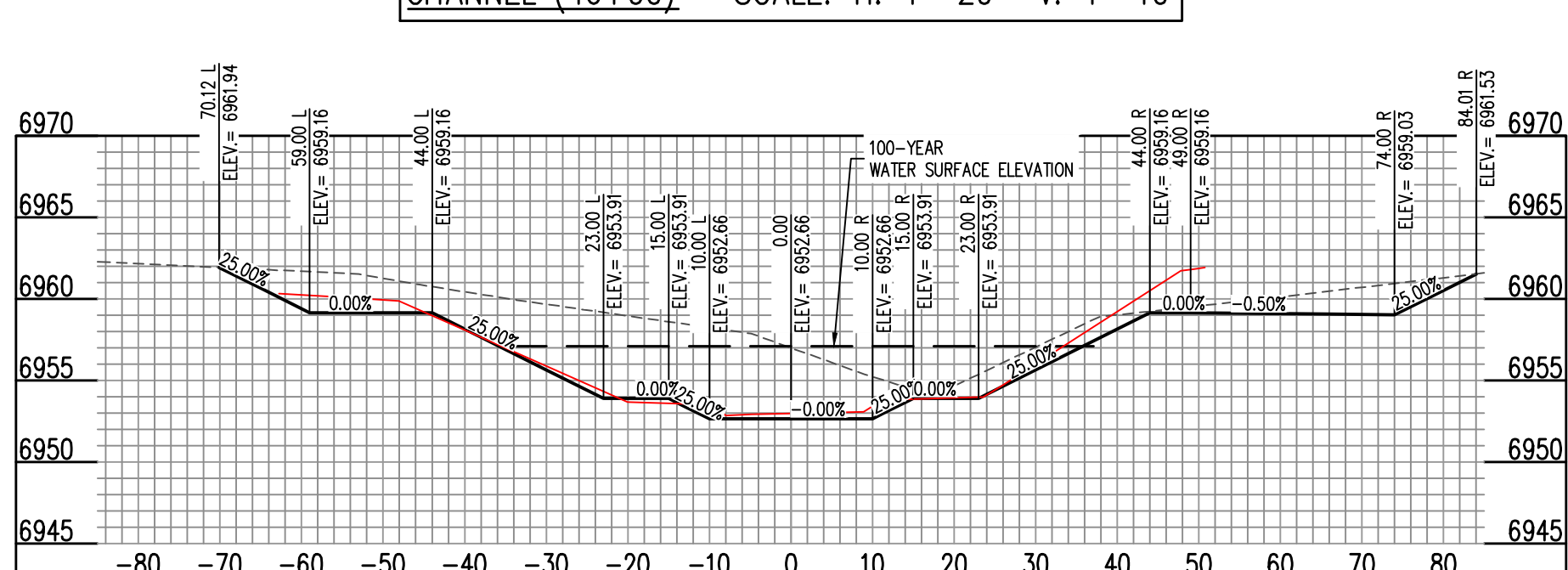
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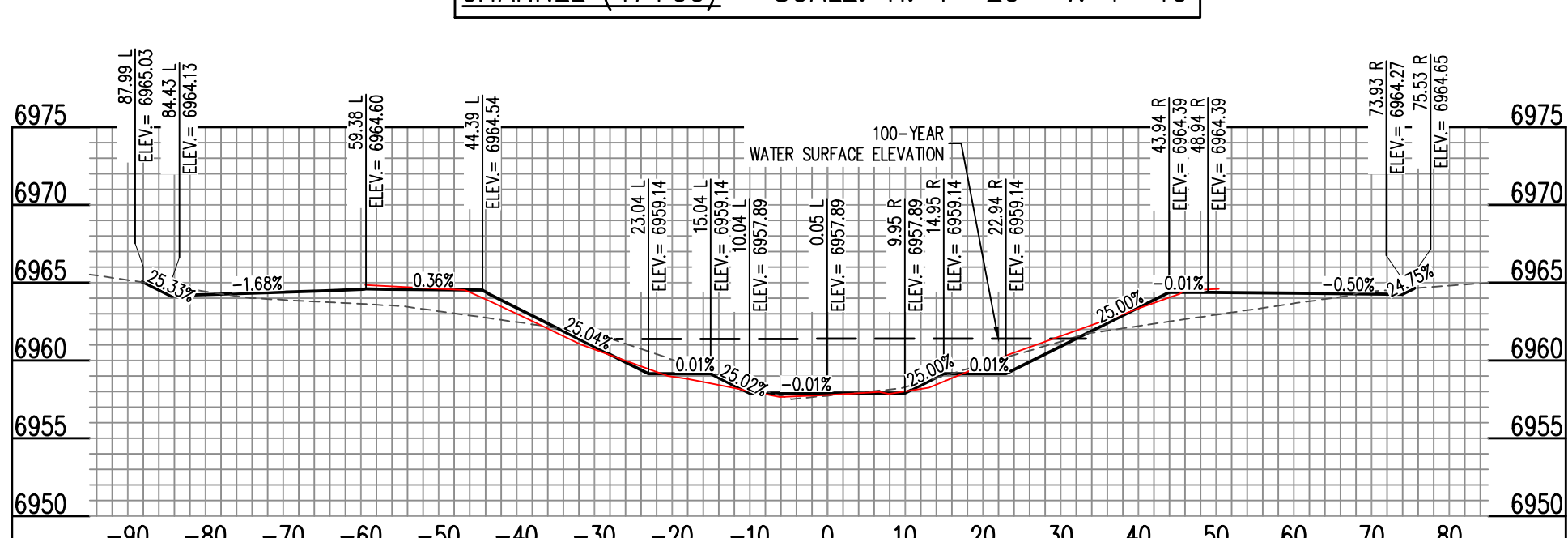
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CHANNEL (46+00) - SCALE: H: 1"=20' V: 1"=10'



CHANNEL (47+00) - SCALE: H: 1"=20' V: 1"=10'



CHANNEL (48+00) - SCALF. H. 1"=20' V. 1"=10'

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C6.2

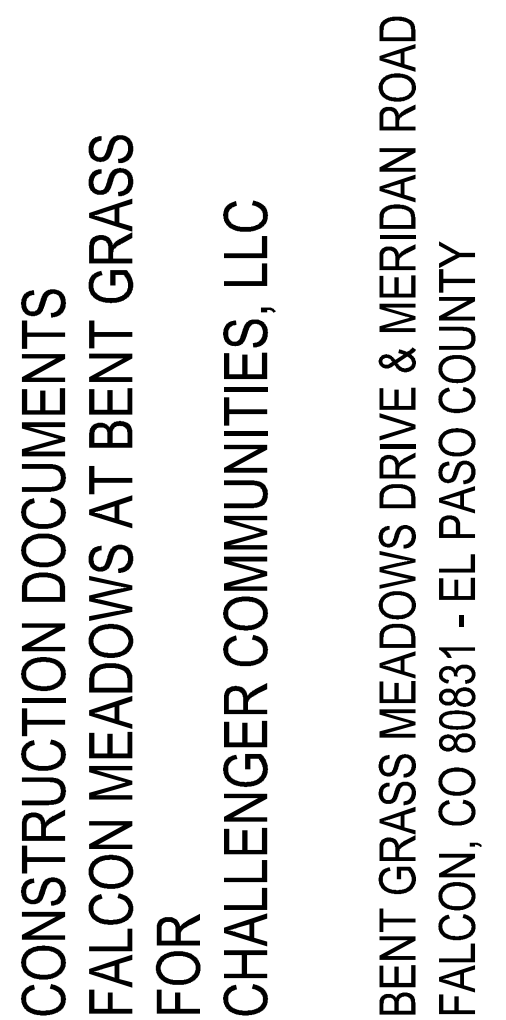
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SOUTH CHANNEL SECTIONS

Sheet 21 of 23



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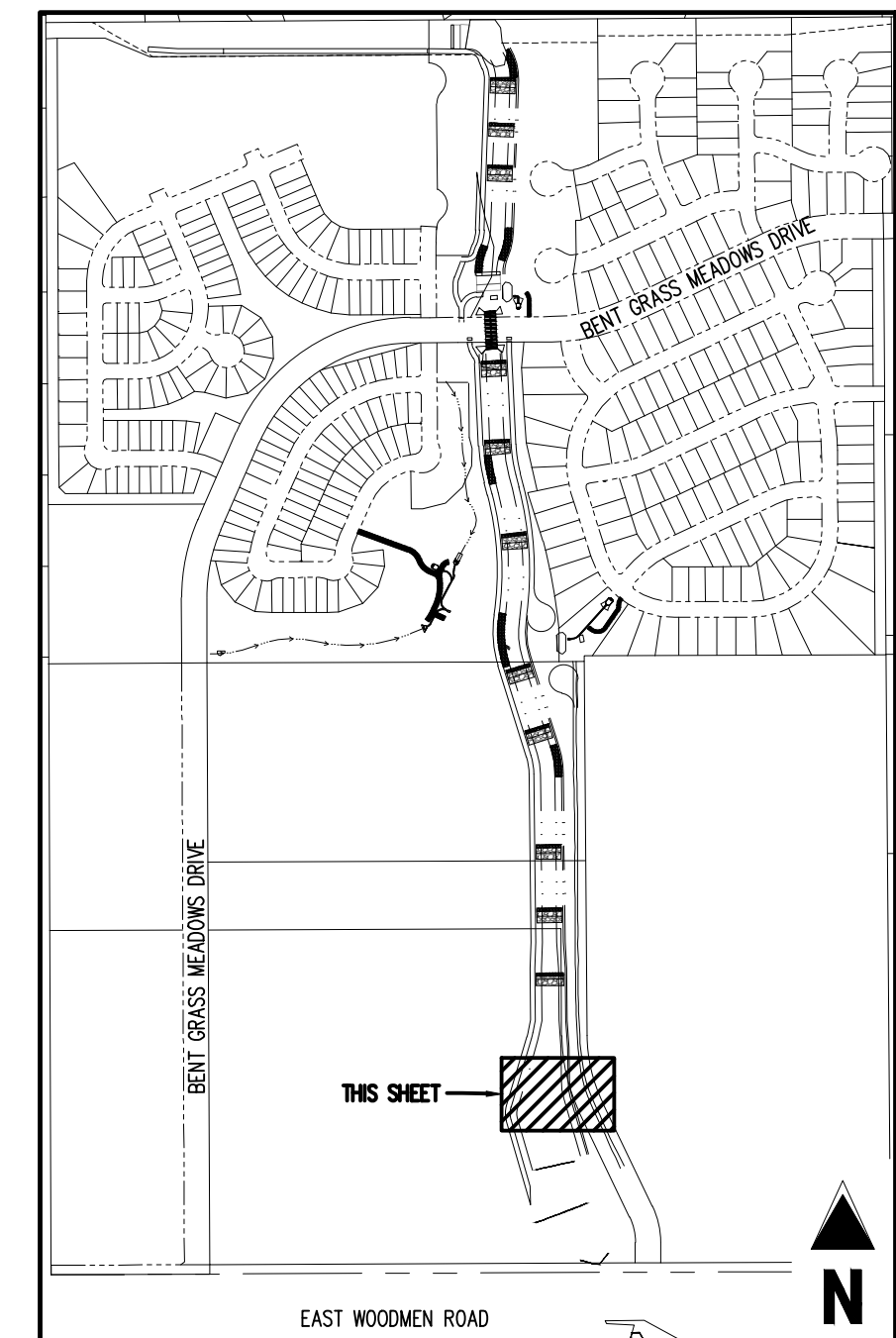
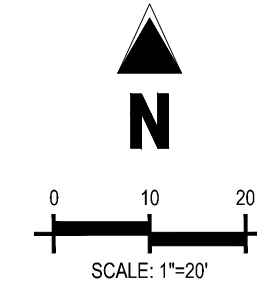
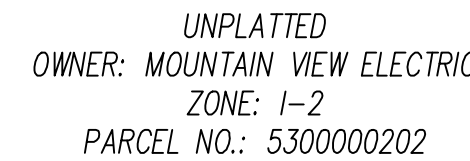
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WATER LOWERING

C7.1

Sheet 23 of 23












KEY MAP
SCALE: 1"=600'

GRADING LEGEND

----- 5400 ----- EXISTING MAJOR CONTOUR
 52 EXISTING MINOR CONTOUR
 5465 PROPOSED MAJOR CONTOUR
 66 PROPOSED MINOR CONTOUR
 2.00% EXISTING SLOPE - PERCENT
 4:1 EXISTING SLOPE - RISE/RUN
 2.00% PROPOSED SLOPE - PERCENT
 4:1 PROPOSED SLOPE - RISE/RUN
 55.00 FG PROPOSED SPOT ELEVATION - FINISHED GROUND
 55.00 CL PROPOSED SPOT ELEVATION - CENTER LINE
 55.00 TOB PROPOSED SPOT ELEVATION - TOP OF BANK

UTILITY LEGEND

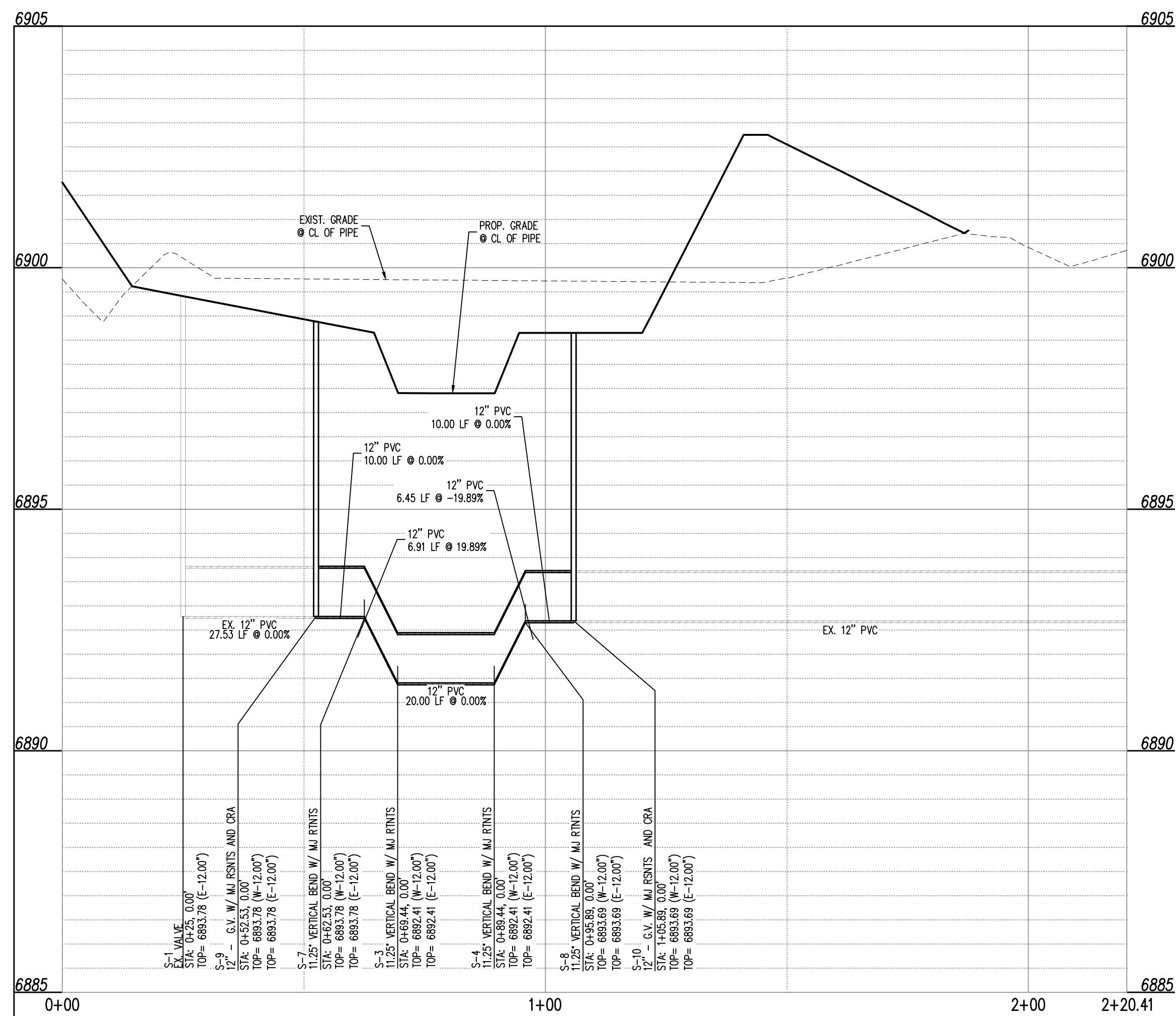
— W —	EXISTING WATER LINE
— W —	PROPOSED WATER LINE
— SS —	EXISTING SANITARY SEWER
— FO —	EXISTING FIBER OPTIC LINE
— G —	EXISTING GAS LINE
— UT —	EXISTING UNDERGROUND TELEPHONE
— UE —	EXISTING UNDERGROUND ELECTRICAL
— OHT —	EXISTING OVERHEAD TELEPHONE
— OHE —	EXISTING OVERHEAD ELECTRICAL
— S —	EXISTING STORM SEWER
— S —	EXISTING ELECTRICAL BOX
	EXISTING PAD MOUNTED TRANSFORMER
	EXISTING TRAFFIC POLE
	PROPOSED SITE LIGHTING
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER MANHOLE
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT

SITE LEGEND

	PROPERTY BOUNDARY LINE
	RIGHT OF WAY BOUNDARY LINE
	EXISTING EASEMENT LINE
	PROPOSED 100-YEAR FLOODPLAIN
	EXISTING CURB AND GUTTER
	EXISTING CONCRETE
	EXISTING CDOT CLASS 6 GRAVEL
	EXISTING RIPRAP
	EXISTING BOULDERS
	PROPOSED CDOT CLASS 6 GRAVEL
	PROPOSED RIPRAP
	PROPOSED BOULDERS
	EXISTING SIGN

REFERENCE TO DETAIL AND SHEET NUMBER

PLAN VIEW - EXISTING WATER LOWERING (STA: 0+0.00 - 2+20.41)
SCALE: 1"=20'



PROFILE VIEW - EXISTING WATER LOWERING (STA: 0+0.00 - 2+20.41)
SCALE: H: 1"=20', V: 1"=2'

DISTRICT APPROVALS:

THE WOODMEN HILLS METROPOLITAN DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

WOODMEN HILLS METROPOLITAN 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

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.

SURVEYOR TO OBTAIN AUTOCAD FILE FROM ENGINEER AND VERIFY ALL HORIZONTAL CONTROL DIMENSIONING PRIOR TO CONSTRUCTION STAKING. SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF BEARING AND DATUM INFORMATION TO ENSURE IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DESIGN CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION STAKING ANY DISCREPANCY MUST BE REPORTED TO OWNER AND ENGINEER PRIOR TO CONTINUATION OF ANY FURTHER STAKING OR CONSTRUCTION WORK.

BENCHMARK

ELEVATIONS ARE BASED ON THE SOUTHWEST CORNER OF LOT1, WOODMEN HILLS FILING NO. 4,
MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP, STAMPED LS# 24954.
ELEVATION = 6947.67

CAUTION – NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.
- 811**
Know what's below.
Call before you dig.



Know what's below.
Call before you dig.

EPC 1/5/2023