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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

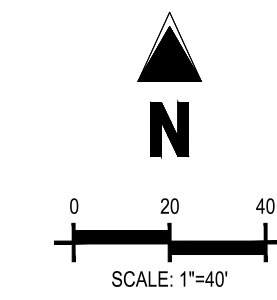
#	Date	Issue / Description	Init.
1	07/10/2025	STORM PIPE MATERIAL	CMWJ
2	08/04/2025	ISSUED FOR CONSTRUCTION	CMWJ
3	12/07/2025	REMOVE RV STORAGE	CMWJ
4	05/22/2026	DROP STRUCTURE RELOCATE	CMWJ

Project No: MRS01
 Drawn By: JDM
 Checked By: BAS, CMWJ
 Date: 08/04/2025

SITE PLAN

VR239 & PPR2336

C2.1
 Sheet 4 of 25



SITE LEGEND

- PROJECT BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- RIGHT OF WAY LINE
- EXISTING ADJACENT LOT LINE
- PROPOSED LOT LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED ROAD CENTERLINE
- EXISTING ROAD CENTERLINE
- PROPOSED RIDGE LINE
- PROPOSED SWALE LINE
- EXISTING SWALE LINE
- 100YR FLOODPLAIN BOUNDARY
- PARKING STALL COUNT
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING GUARDRAIL
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF ASPHALT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- PROPOSED GRAVEL PER EDM TABLE D-7
- RRIPAP OUTLAP PADS
- 12" CLASS 6 AGGREGATE BASE COURSE OR CRUSHED FINES OVER COMPACTED SUBGRADE
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS

PAVING LEGEND

- PROPOSED CONCRETE
- EXISTING CONCRETE/ASPHALT PAVING
- PROPOSED ASPHALT PAVING

UTILITY LEGEND

- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING GAS LINE
- PROPOSED GAS LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING OVERHEAD ELECTRIC
- EXISTING FIBER OPTIC LINE
- EXISTING TELEPHONE STRUCTURES
- EXISTING TELEPHONE PEDESTAL
- EXISTING ELECTRIC TRANSFORMER
- EXISTING POWER POLE
- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT
- PROPOSED WATER METER
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING STORM SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE

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

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SOIL PREPARATION AND PAVEMENT DESIGN NOTE

SOIL PREPARATION AND PAVEMENT DESIGN SHALL BE PER RECOMMENDATIONS FROM A GEOTECHNICAL REPORT PREPARED FOR THIS SITE AS FOLLOWS: GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS: PROPOSED MERIDIAN STORAGE.
 GEOTECHNICAL ENGINEER: UNIVERSAL ENGINEERING SCIENCES
 PROJECT NO: 4430.2300005R2 DATE: APRIL 18, 2023 (REVISED FEBRUARY 22, 2024)
 THE CONTRACTOR MUST FULLY REVIEW THIS REPORT PRIOR TO CONSTRUCTION. INFORMATION IN THE GEOTECHNICAL REPORT SUPERSEDES ANY CONFLICTING INFORMATION CONTAINED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. REFER TO GENERAL STRUCTURAL NOTES FOR SPECIFIC SOIL PREPARATION AT SITE STRUCTURES.

BASIS OF BEARING

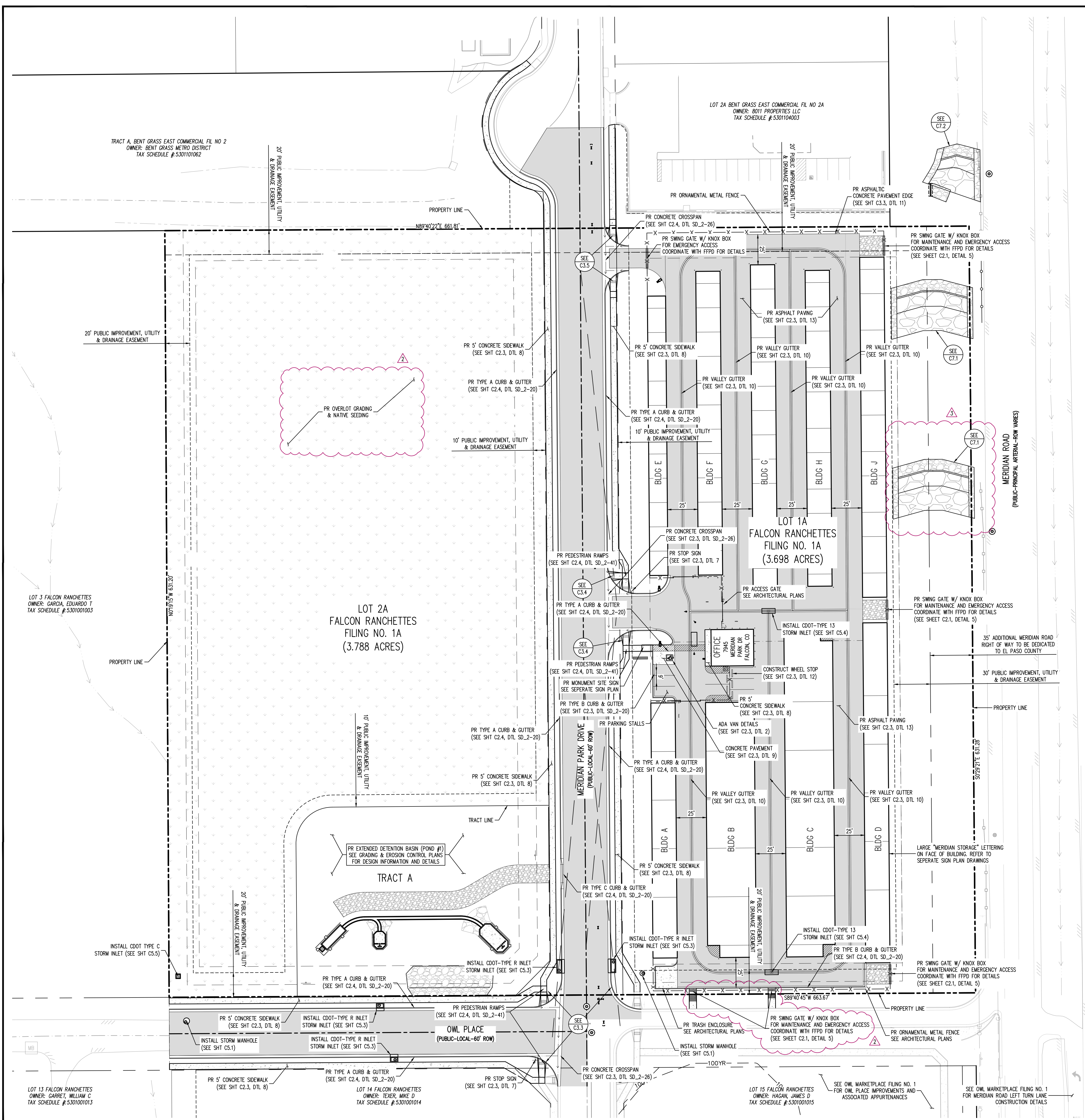
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BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964 NAVD88 ELEVATION = 6947.67"

CAUTION - NOTICE TO CONTRACTOR

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- 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 AN ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



TRACT A, BENT GRASS EAST COMMERCIAL FL NO 2
 OWNER: BENT GRASS METRO DISTRICT
 TAX SCHEDULE #5301101062

LOT 2A BENT GRASS EAST COMMERCIAL FL NO 2A
 OWNER: 8011 PROPERTIES LLC
 TAX SCHEDULE #5301104003

LOT 3 FALCON RANCHETTES
 OWNER: GARCO, EDUARDO T
 TAX SCHEDULE #5301001003

LOT 2A FALCON RANCHETTES
 FILING NO. 1A
 (3.788 ACRES)

LOT 1A FALCON RANCHETTES
 FILING NO. 1A
 (3.698 ACRES)

LOT 13 FALCON RANCHETTES
 OWNER: GARRET, WILLIAM C
 TAX SCHEDULE #5301001013

LOT 14 FALCON RANCHETTES
 OWNER: TEXER, MIKE D
 TAX SCHEDULE #5301001014

LOT 15 FALCON RANCHETTES
 OWNER: HAGAN, JAMES D
 TAX SCHEDULE #5301001015

SEE OML MARKETPLACE FILING NO. 1
 FOR OML PLACE IMPROVEMENTS AND
 ASSOCIATED APPURTENANCES

SEE OML MARKETPLACE FILING NO. 1
 FOR MERIDIAN ROAD LEFT TURN LANE
 CONSTRUCTION DETAILS

SITE LEGEND

- PROJECT BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- RIGHT OF WAY LINE
- EXISTING ADJACENT LOT LINE
- PROPOSED LOT LINE
- EXISTING EASEMENT LINE
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- EXISTING EDGE OF ASPHALT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- PROPOSED GRAVEL PER EOM TABLE D-7
- RIPRAP OUTFALL PADS
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS

UTILITY LEGEND

- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
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- EXISTING STORM SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE

NOTES

(A) PEDESTRIAN RAMP, SEE DETAILS (EPC SD_2-40 & SD_2-41)

(B) PROPOSED 6' CONCRETE CROSS PAN, SEE DETAIL (EPC SD_2-28)

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PAVING LEGEND

- PROPOSED CONCRETE
- EXISTING CONCRETE/ASPHALT PAVING
- PROPOSED ASPHALT PAVING

BASIS OF BEARING

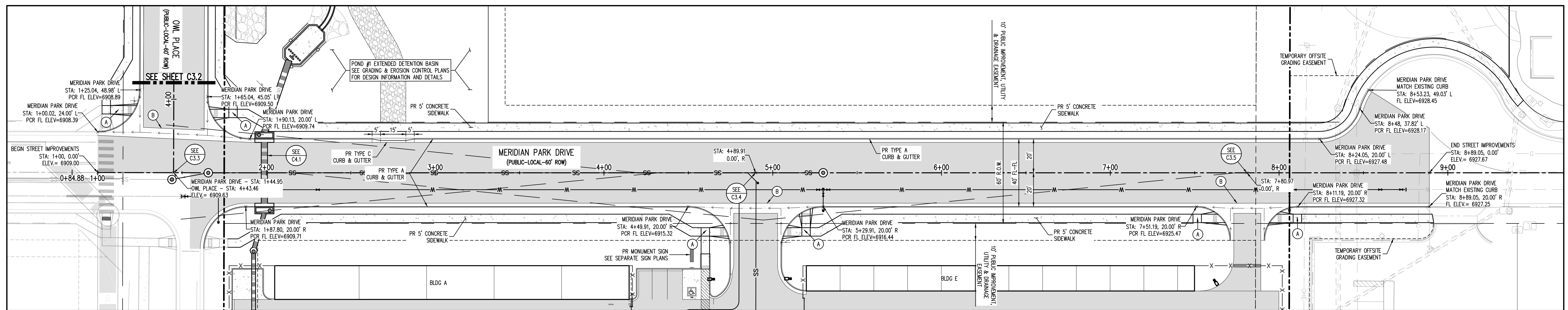
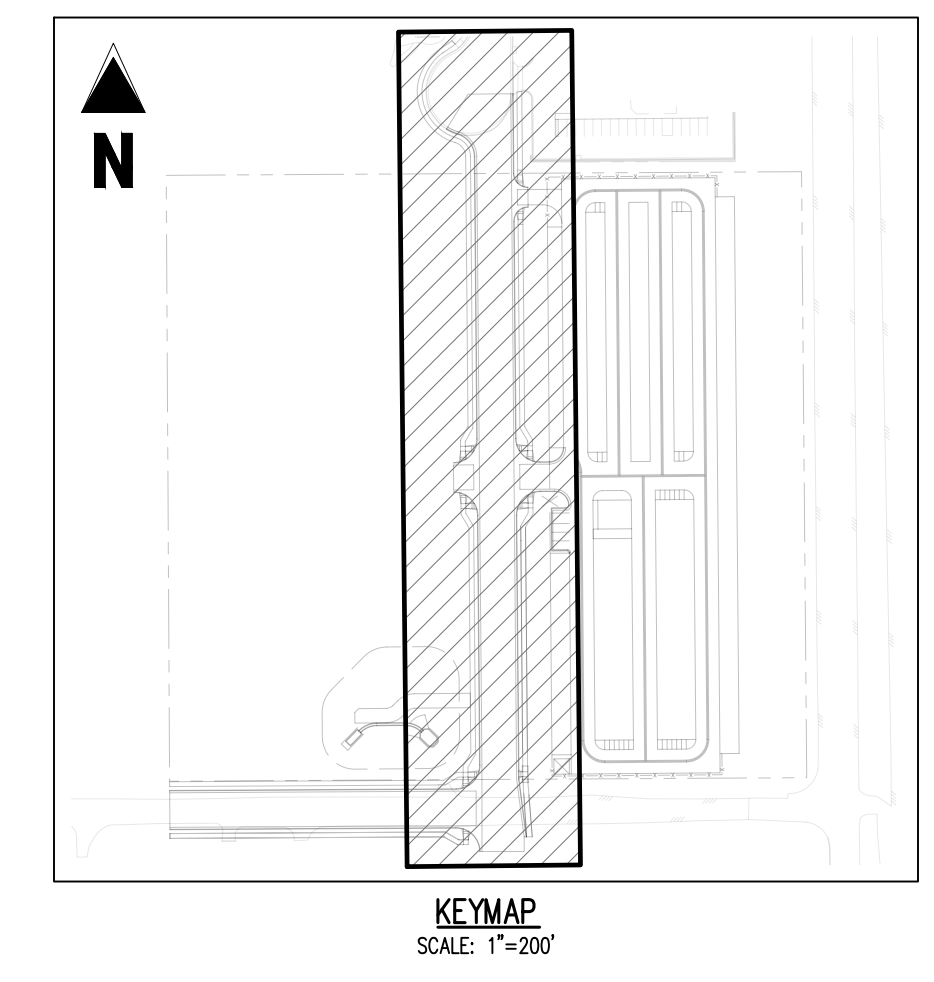
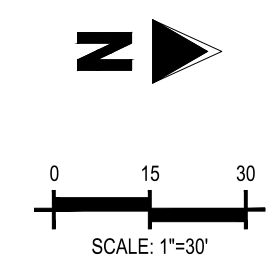
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BENCHMARK

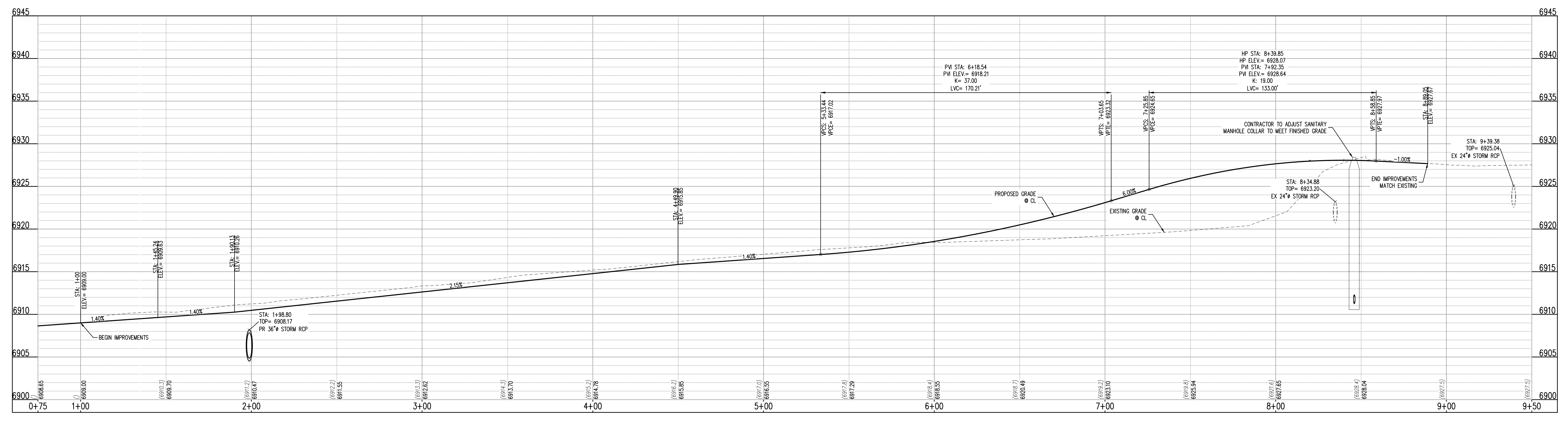
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MERIDIAN PARK DRIVE - PUBLIC 60' R.O.W.
25 MPH DESIGN SPEED (LOCAL)
SCALE: 1"=30'



MERIDIAN DRIVE PARK (STA: 0+75 - 9+50)
SCALE: HORIZONTAL 1"=30', VERTICAL 1"=6'



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Drawn By: JDM
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MERIDIAN PARK DRIVE

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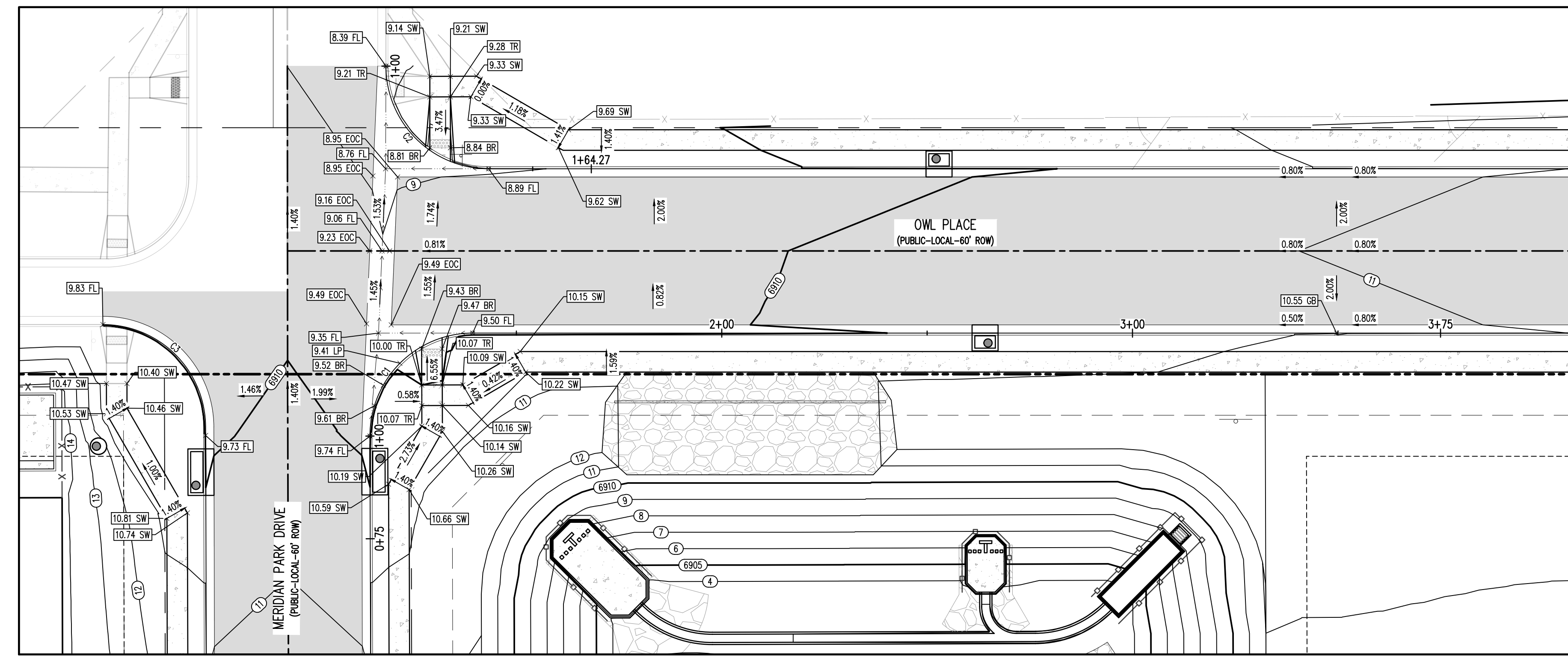
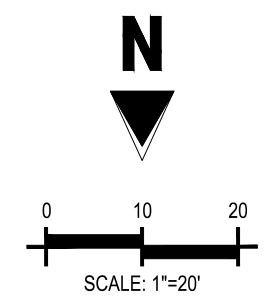
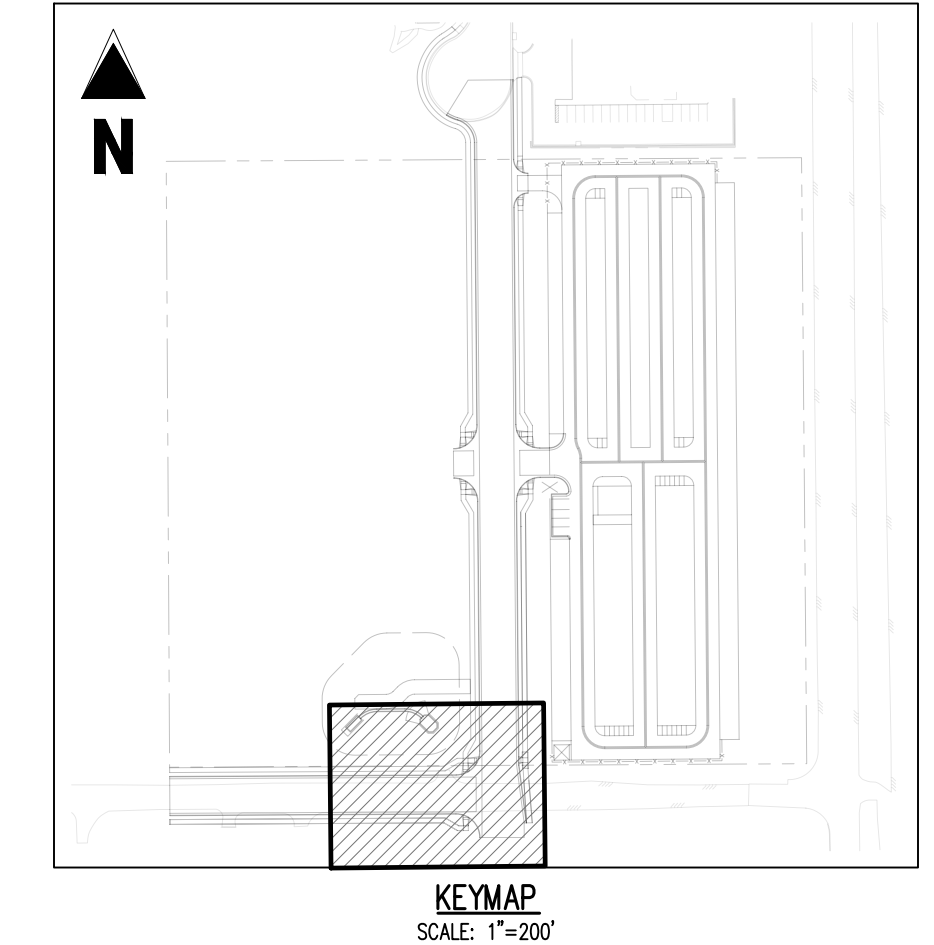
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INTERSECTION DETAILS

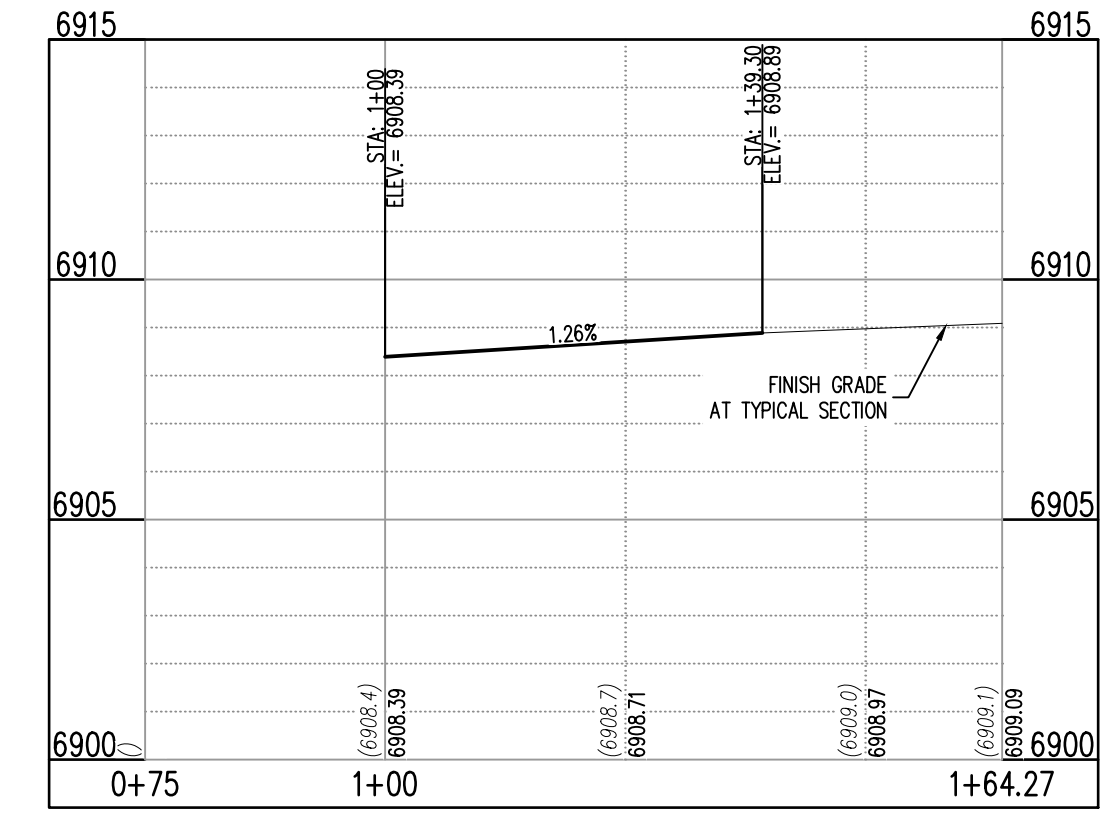
C3.3
 Sheet 10 of 25



MERIDIAN PARK DRIVE (B) & OWL PLACE (A) - PUBLIC 60' R.O.W.
 25 MPH DESIGN SPEED (LOCAL)
 SCALE: 1"=20'

- UTILITY LEGEND**
- W — EXISTING WATER LINE
 - W — PROPOSED WATER LINE
 - SS — EXISTING SANITARY SEWER
 - SS — PROPOSED SANITARY SEWER
 - S — EXISTING STORM SEWER
 - S — PROPOSED STORM SEWER
 - G — EXISTING GAS LINE
 - G — PROPOSED GAS LINE
 - UT — EXISTING UNDERGROUND TELEPHONE
 - OHE — EXISTING OVERHEAD ELECTRIC
 - FO — EXISTING FIBER OPTIC LINE
 - FO — EXISTING FIBER OPTIC STRUCTURES
 - TP — EXISTING TELEPHONE PEDESTAL
 - ET — EXISTING ELECTRIC TRANSFORMER
 - EP — EXISTING POWER POLE
 - SL — EXISTING STREET LIGHT
 - PSL — PROPOSED STREET LIGHT
 - WM — PROPOSED WATER METER
 - WV — EXISTING WATER VALVE
 - P WV — PROPOSED WATER VALVE
 - FH — EXISTING FIRE HYDRANT
 - PFH — PROPOSED FIRE HYDRANT
 - SM — EXISTING STORM SEWER MANHOLE
 - PSM — PROPOSED STORM SEWER MANHOLE
 - SSM — EXISTING SANITARY SEWER MANHOLE
 - P SSM — PROPOSED SANITARY SEWER MANHOLE

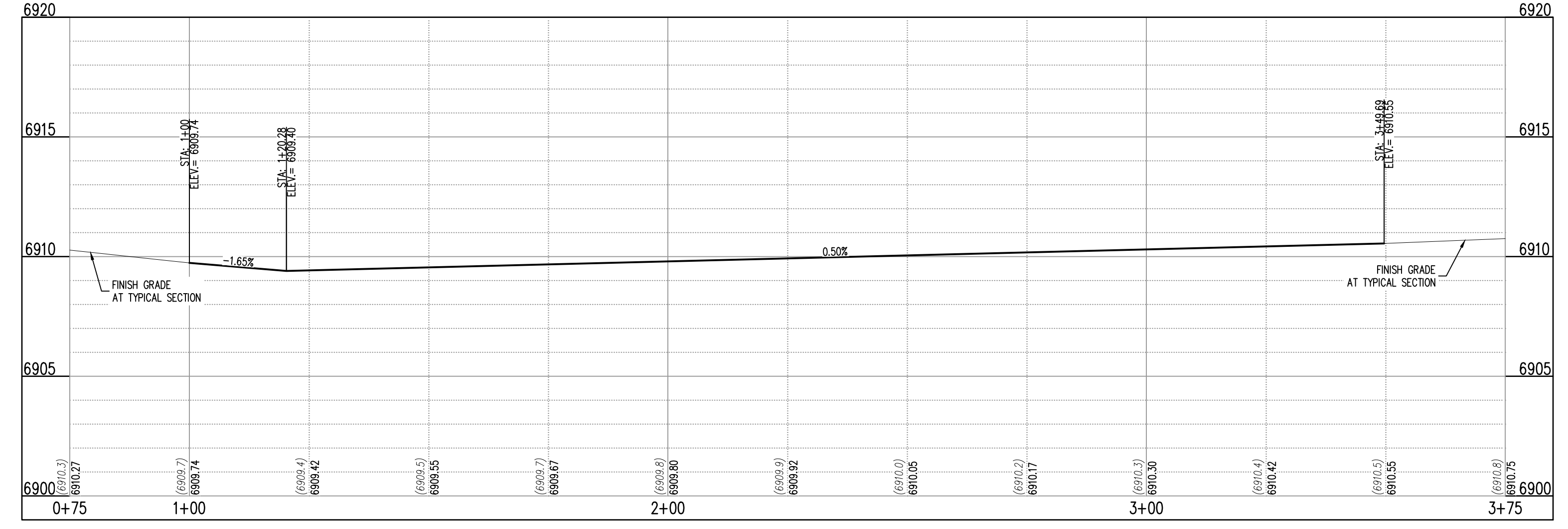
- DETAIL GRADING LEGEND**
- — PROPERTY BOUNDARY LINE
 - — ADJACENT PROPERTY BOUNDARY LINE
 - — RIGHT OF WAY BOUNDARY LINE
 - — PROPOSED LOT LINE
 - — PROPOSED EASEMENT LINE
 - — ROAD CENTERLINE
 - — PROPOSED SWALE FLOWLINE
 - — PROPOSED CURB AND GUTTER
 - — PROPOSED SIDEWALK
 - S485 — PROPOSED MAJOR CONTOUR
 - 66 — PROPOSED MINOR CONTOUR
 - 2.00% — PROPOSED SLOPE - PERCENT
 - 4:1 — PROPOSED SLOPE - RISE/RUN
 - 89.00 HP — PROPOSED SPOT ELEVATION - HIGH POINT
 - 89.00 LP — PROPOSED SPOT ELEVATION - LOW POINT
 - 89.00 TR — PROPOSED SPOT ELEVATION - TOP OF RAMP
 - 89.00 BR — PROPOSED SPOT ELEVATION - BOTTOM OF RAMP
 - 89.00 FL — PROPOSED SPOT ELEVATION - FLOW LINE
 - 89.00 CL — PROPOSED SPOT ELEVATION - ROADWAY CENTER LINE
 - 89.00 TBC — PROPOSED SPOT ELEVATION - TOP BACK OF CURB
 - 89.00 LIP — PROPOSED SPOT ELEVATION - LIP OF GUTTER
 - 89.00 FG — PROPOSED SPOT ELEVATION - FINISHED GRADE
 - 89.00 SW — PROPOSED SPOT ELEVATION - SIDEWALK
 - 89.00 EOC — PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
 - 89.00 EOA — PROPOSED SPOT ELEVATION - EDGE OF ASPHALT



ST-B & ST-A (SW) (STA: 1+00 - 2+63.21)
 SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'

FLOW LINE CURVE SEGMENT TABLE

CURVE TAG #	DELTA	LENGTH (FT)	RADIUS (FT)	CHORD BEARING	CHORD LENGTH (FT)
C1	90°10'06"	39.34	25.00	S44°35'42"W	35.41
C2	90°00'03"	39.27	25.00	N45°19'13"W	35.36
C3	89°49'54"	39.20	25.00	S45°24'18"E	35.30



ST-B & ST-A (NW) (STA: 1+00 - 3+51.84)
 SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'

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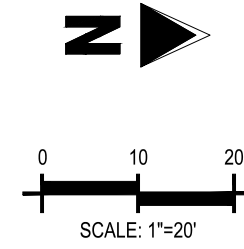
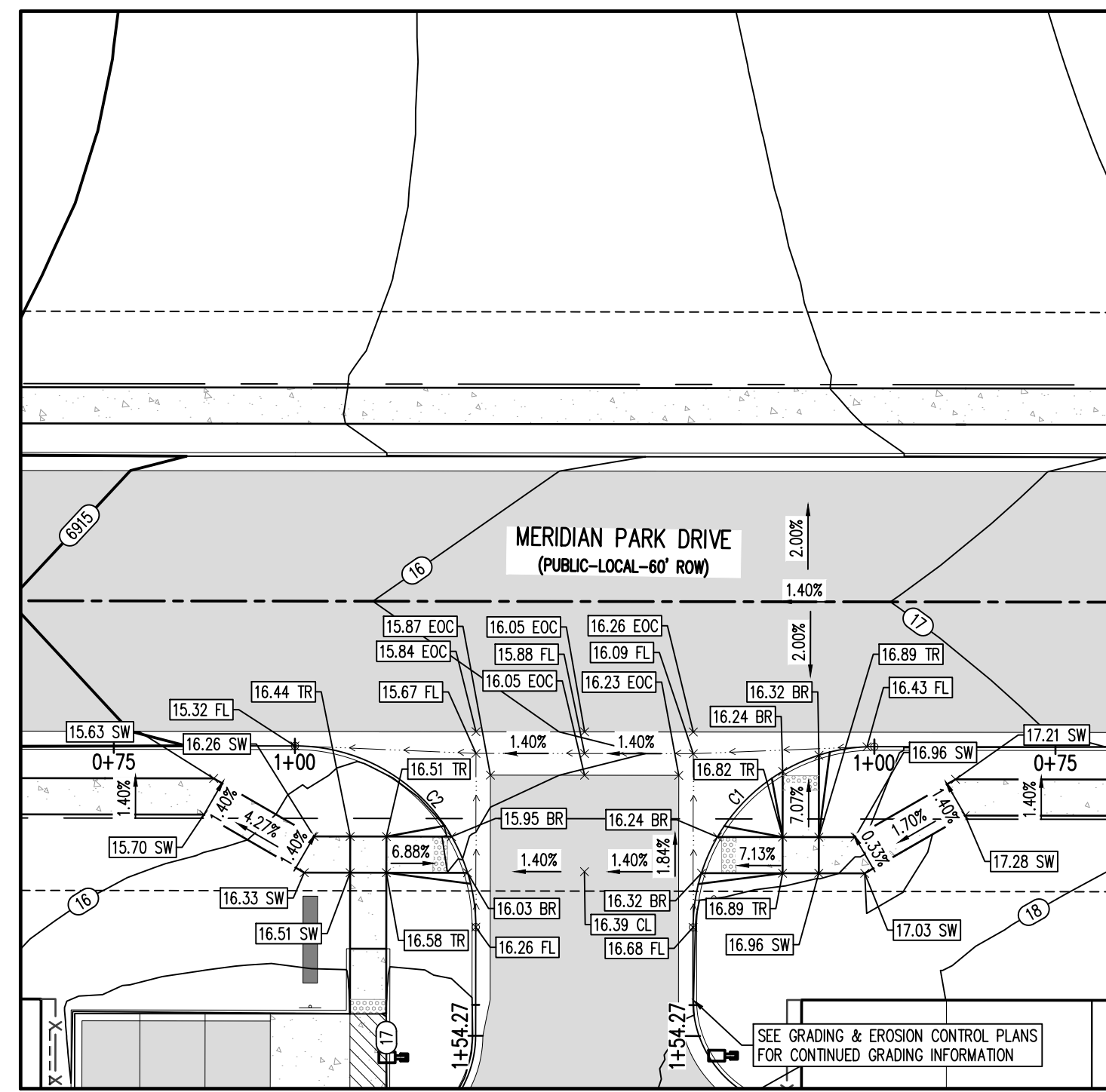
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BENCHMARK
 THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964"
 NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

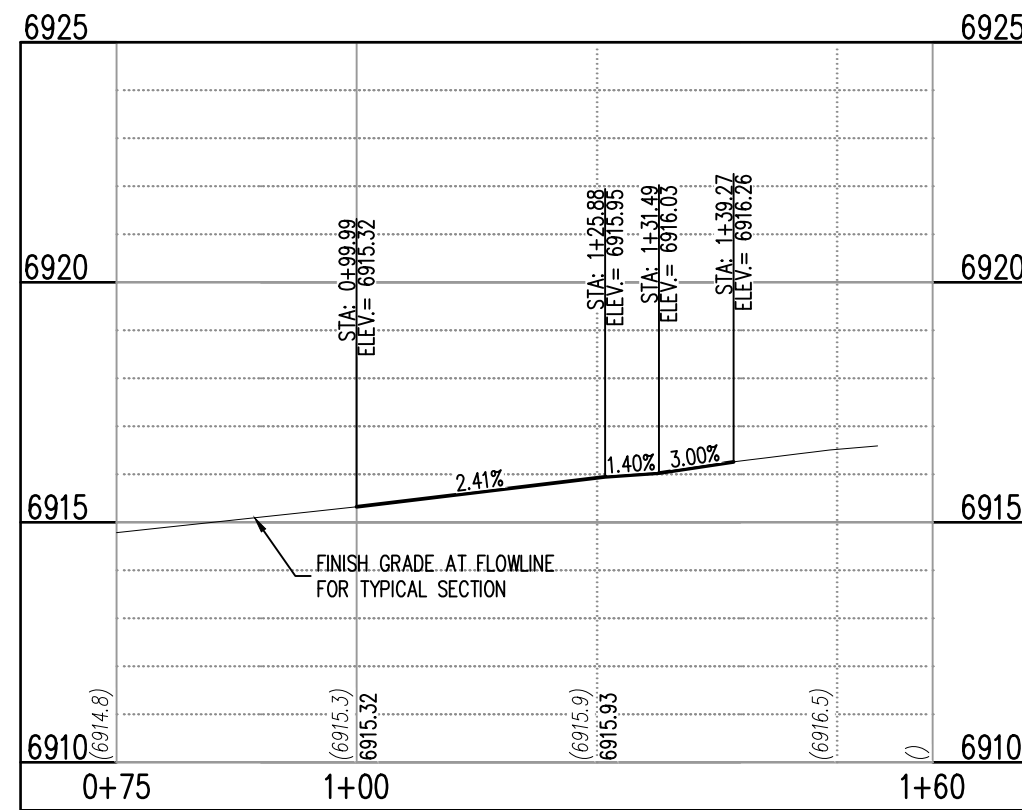
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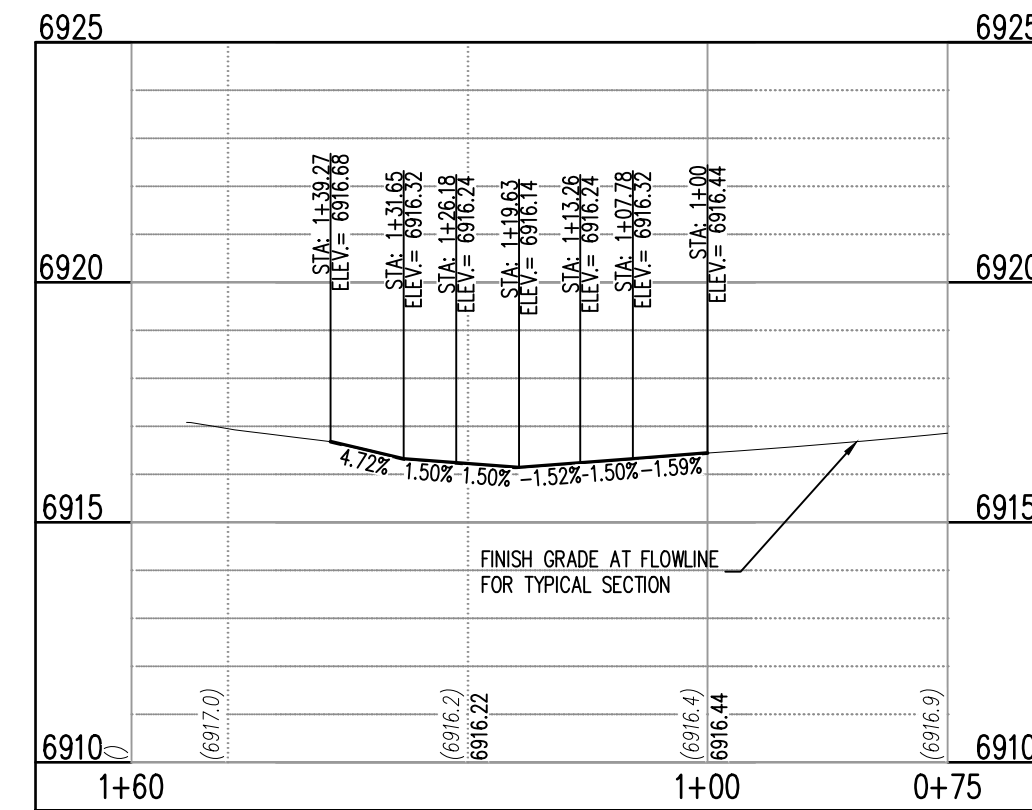


MERIDIAN PARK DRIVE (B) & STREET C (EAST SIDE) - PUBLIC 60' R.O.W.
25 MPH DESIGN SPEED (LOCAL)
SCALE: 1"=20'

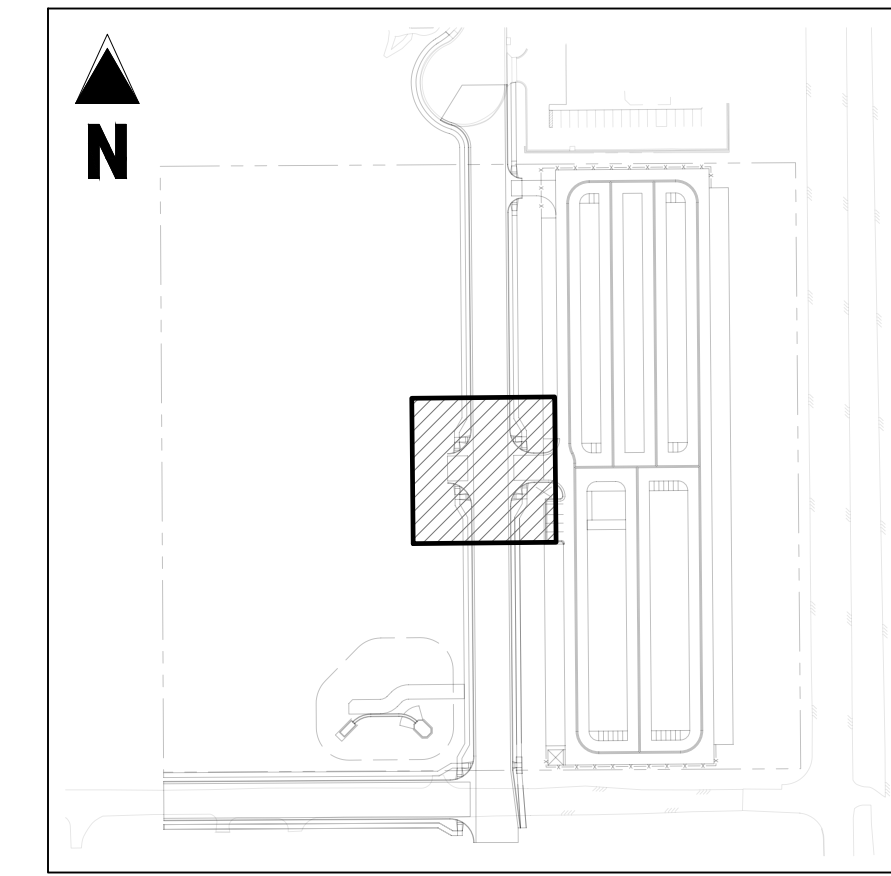
FLOW LINE CURVE SEGMENT TABLE					
CURVE TAG #	DELTA	LENGTH (FT)	RADIUS (FT)	CHORD BEARING	CHORD LENGTH (FT)
C1	90°00'00"	39.27	25.00	S45°29'21"E	35.36
C2	90°00'00"	39.27	25.00	N44°30'39"E	35.36



ST-B & ST-C (EAST) (SE) (STA: 0+75 - 1+54.27)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



ST-B & ST-C (EAST) (NE) (STA: 0+75 - 1+54.27)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



KEYMAP
SCALE: 1"=200'

DETAIL GRADING LEGEND

- PROPERTY BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- RIGHT OF WAY BOUNDARY LINE
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE
- ROAD CENTERLINE
- PROPOSED SWALE FLOWLINE
- PROPOSED CURB AND GUTTER
- PROPOSED SIDEWALK
- S485 PROPOSED MAJOR CONTOUR
- 66 PROPOSED MINOR CONTOUR
- 2.00% PROPOSED SLOPE - PERCENT
- 4:1 PROPOSED SLOPE - RISE/RUN
- 89.00 HP PROPOSED SPOT ELEVATION - HIGH POINT
- 89.00 LP PROPOSED SPOT ELEVATION - LOW POINT
- 89.00 TR PROPOSED SPOT ELEVATION - TOP OF RAMP
- 89.00 BR PROPOSED SPOT ELEVATION - BOTTOM OF RAMP
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- 89.00 CL PROPOSED SPOT ELEVATION - ROADWAY CENTER LINE
- 89.00 TBC PROPOSED SPOT ELEVATION - TOP BACK OF CURB
- 89.00 LIP PROPOSED SPOT ELEVATION - LIP OF GUTTER
- 89.00 FG PROPOSED SPOT ELEVATION - FINISHED GRADE
- 89.00 SW PROPOSED SPOT ELEVATION - SIDEWALK
- 89.00 EOC PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
- 89.00 EOA PROPOSED SPOT ELEVATION - EDGE OF ASPHALT

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BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964"
NAVD88 ELEVATION = 6947.67

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MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

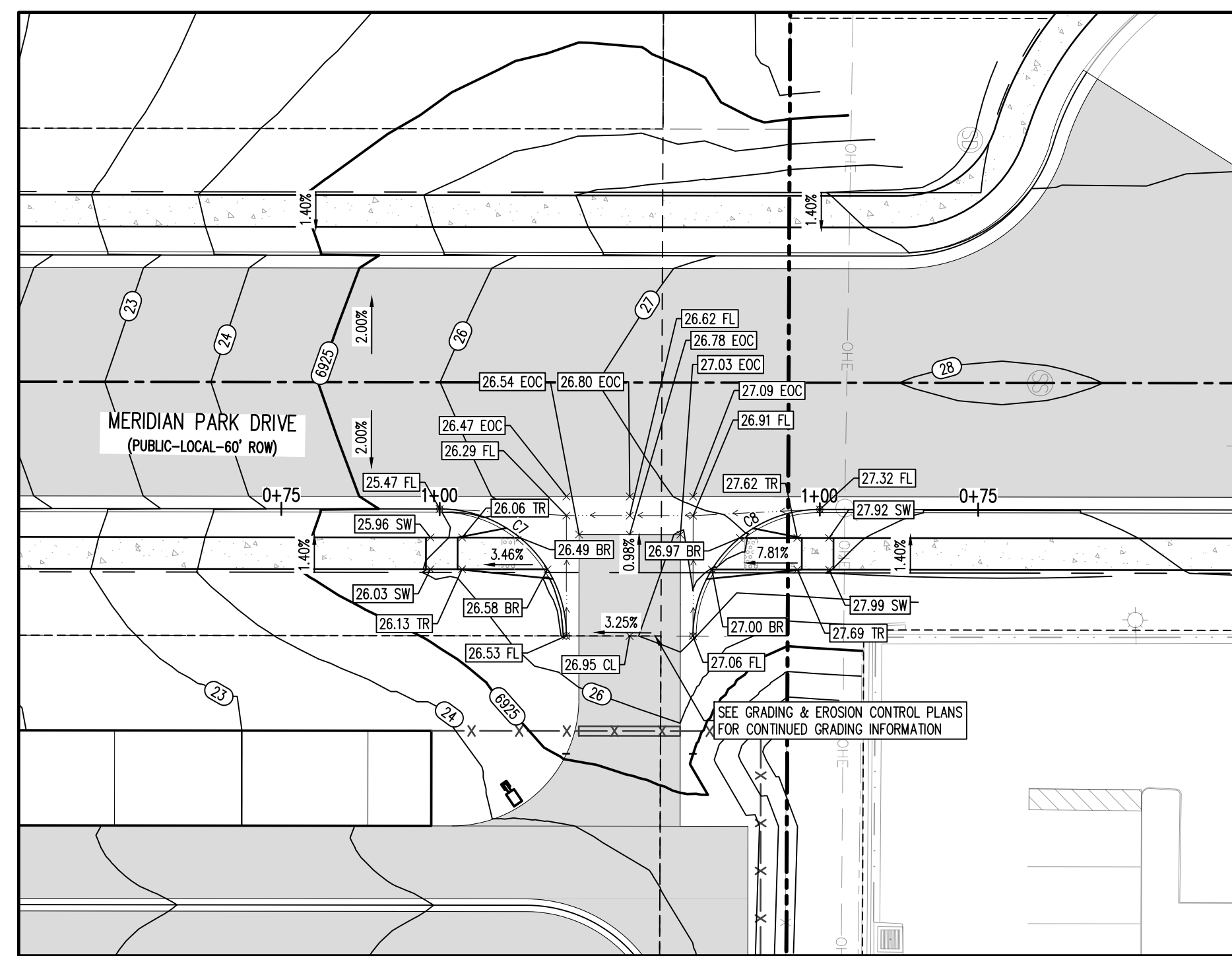
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Project No: MRS01
Drawn By: JDM
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Date: 08/04/2025

INTERSECTION DETAILS

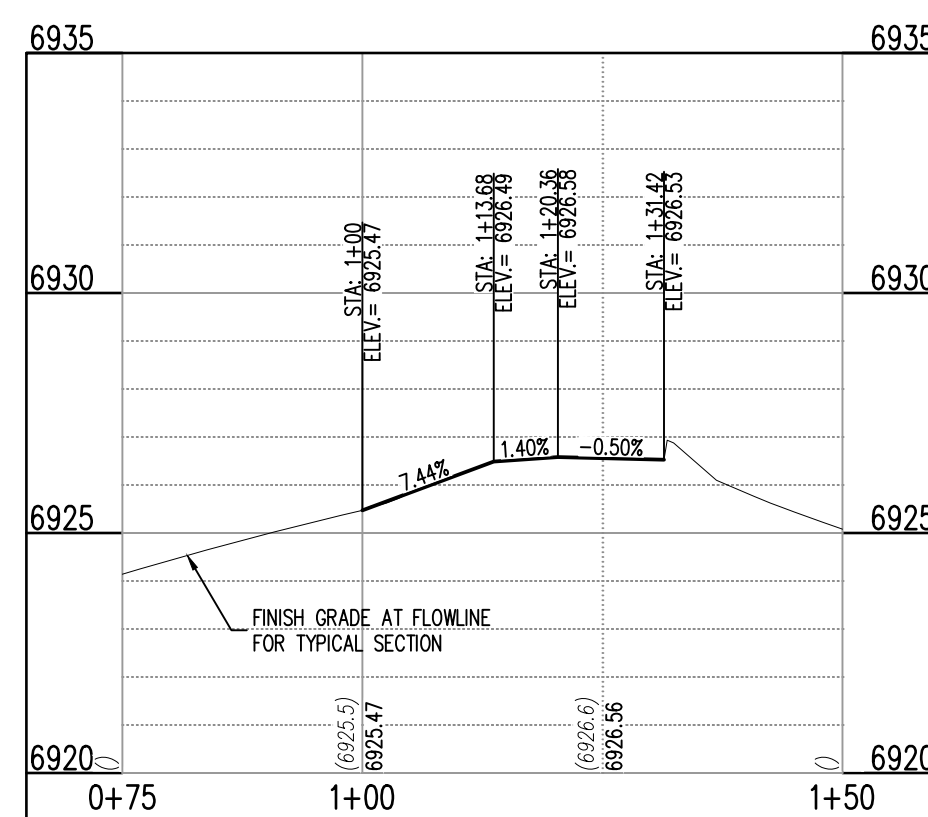
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Sheet 11 of 25

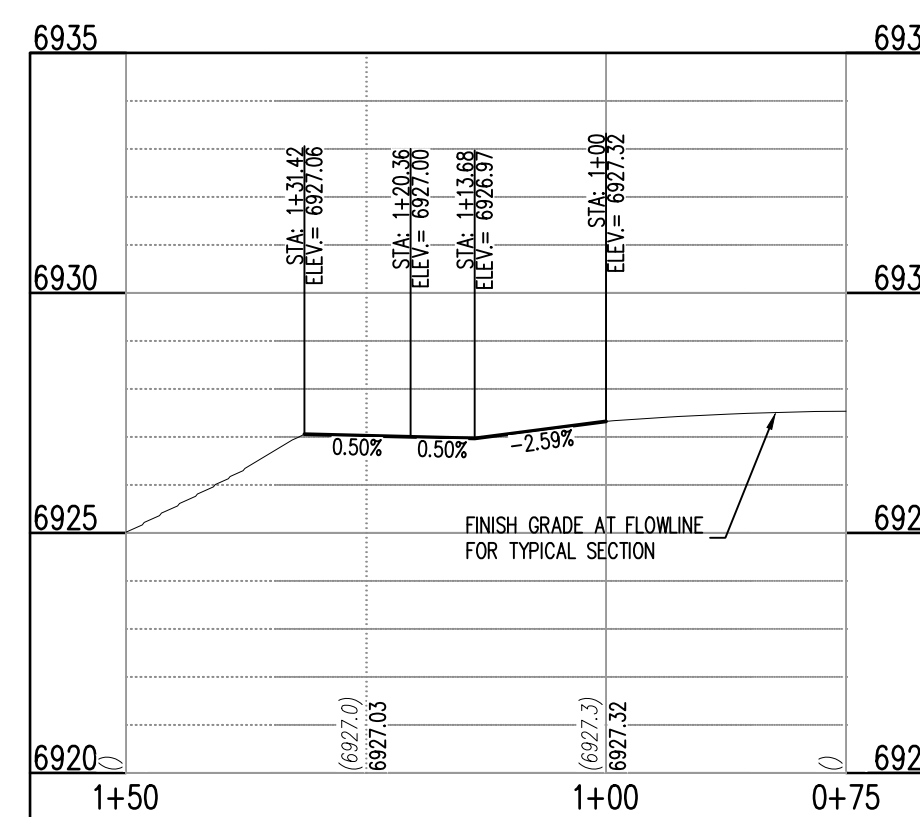


MERIDIAN PARK DRIVE (B) & STREET D - PUBLIC 60' R.O.W.
25 MPH DESIGN SPEED (LOCAL)
SCALE: 1"=20'

FLOW LINE CURVE SEGMENT TABLE					
CURVE TAG #	DELTA	LENGTH (FT)	RADIUS (FT)	CHORD BEARING	CHORD LENGTH (FT)
C7	90°00'00"	31.42	20.00	S44°30'39"W	28.28
C8	90°00'00"	31.42	20.00	S45°29'21"E	28.28



ST-B & ST-D (STA: 0+75 - 1+48.56)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=6'



ST-B & ST-D (STA: 0+75 - 1+48.56)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=6'

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- W — EXISTING WATER LINE
 - W — PROPOSED WATER LINE
 - SS — EXISTING SANITARY SEWER
 - SS — PROPOSED SANITARY SEWER
 - S — EXISTING STORM SEWER
 - S — PROPOSED STORM SEWER
 - G — EXISTING GAS LINE
 - G — PROPOSED GAS LINE
 - UT — EXISTING UNDERGROUND TELEPHONE
 - OHE — EXISTING OVERHEAD ELECTRIC
 - FO — EXISTING FIBER OPTIC LINE
 - (T) — EXISTING FIBER OPTIC STRUCTURES
 - (T) — EXISTING TELEPHONE PEDESTAL
 - (T) — EXISTING ELECTRIC TRANSFORMER
 - (P) — EXISTING POWER POLE
 - (S) — EXISTING STREET LIGHT
 - (S) — PROPOSED STREET LIGHT
 - (M) — PROPOSED WATER METER
 - (V) — EXISTING WATER VALVE
 - (V) — PROPOSED WATER VALVE
 - (F) — EXISTING FIRE HYDRANT
 - (F) — PROPOSED FIRE HYDRANT
 - (M) — EXISTING STORM SEWER MANHOLE
 - (M) — PROPOSED STORM SEWER MANHOLE
 - (M) — EXISTING SANITARY SEWER MANHOLE
 - (M) — PROPOSED SANITARY SEWER MANHOLE

- DETAIL GRADING LEGEND**
- — — — — PROPERTY BOUNDARY LINE
 - — — — — ADJACENT PROPERTY BOUNDARY LINE
 - — — — — RIGHT OF WAY BOUNDARY LINE
 - — — — — PROPOSED LOT LINE
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BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24984"
NAVD88 ELEVATION = 6947.67

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VR239 & PPR2336
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EL PASO COUNTY, FALCON, CO 80931

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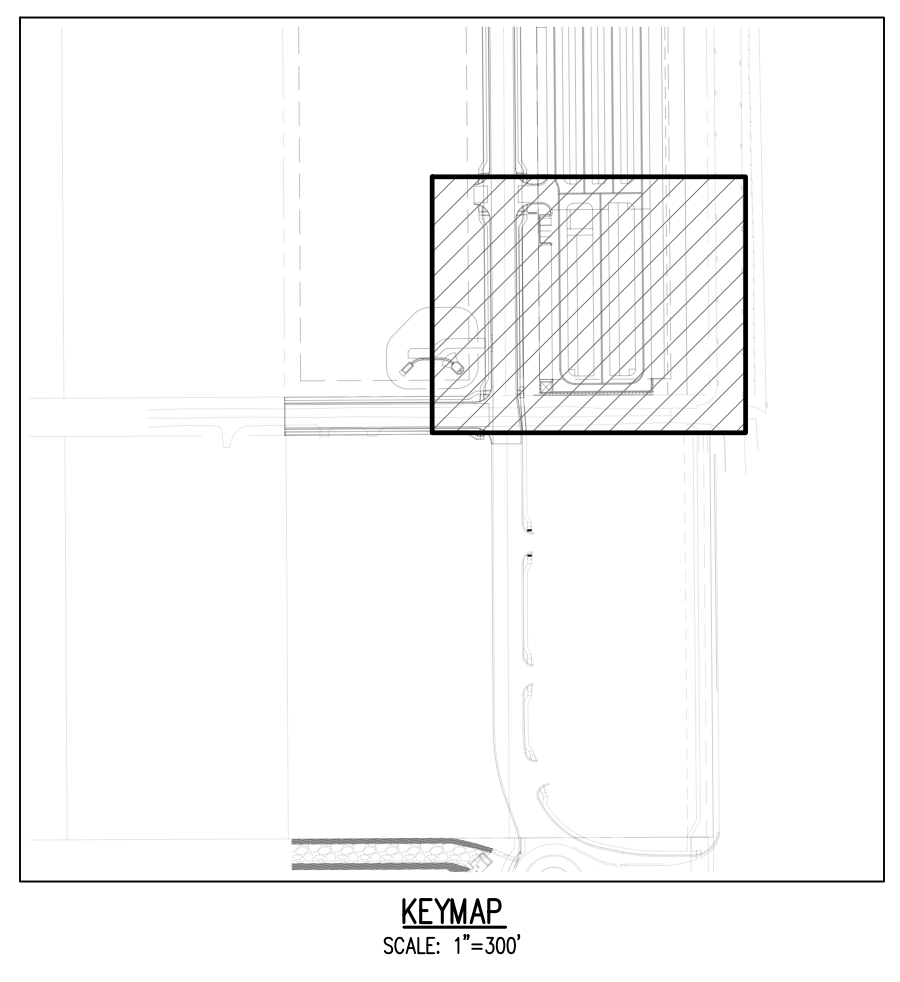
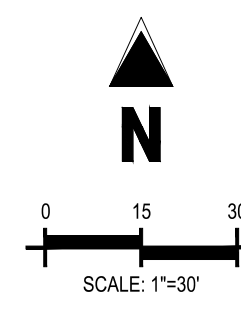
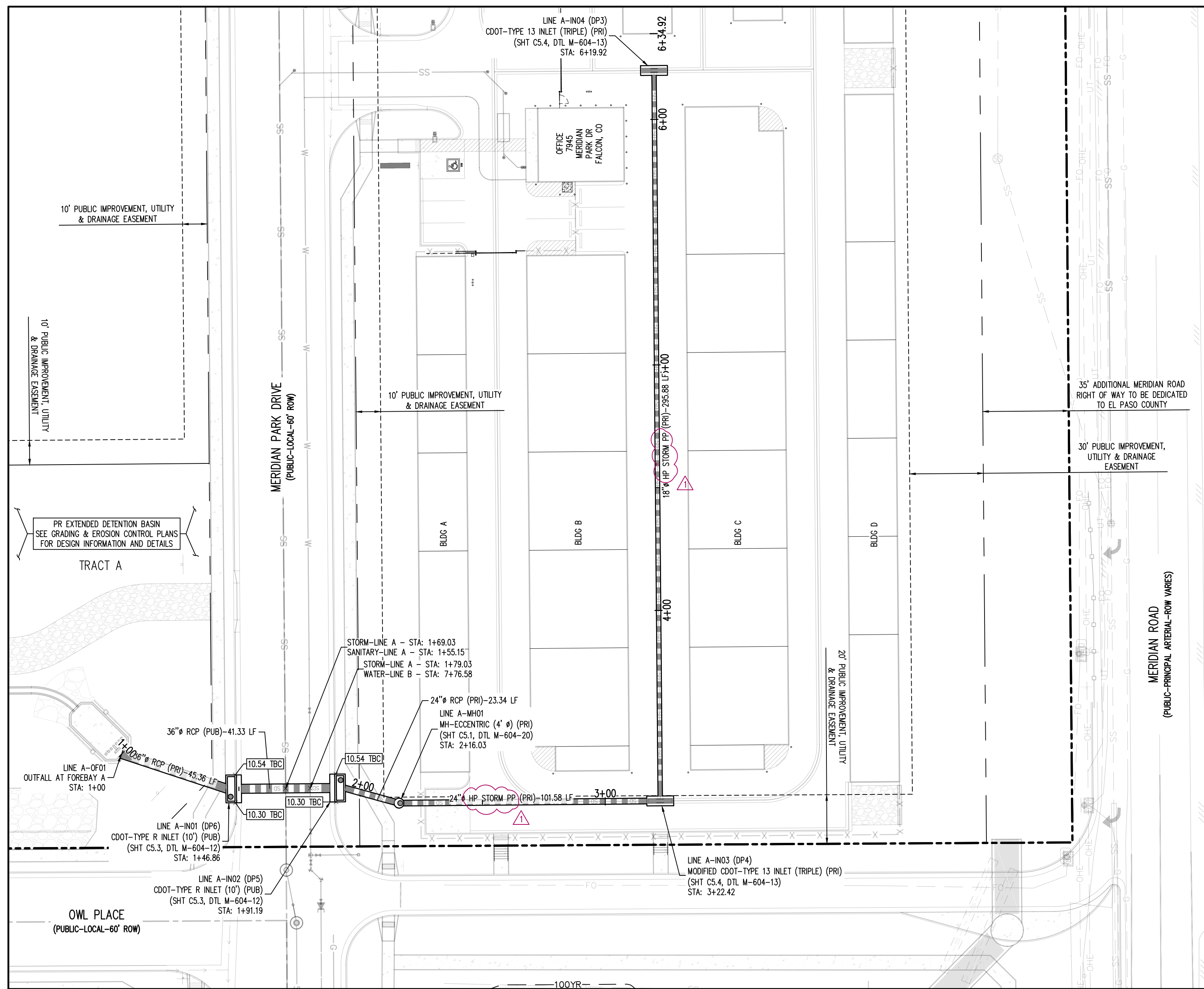
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STORM DRAIN PLAN

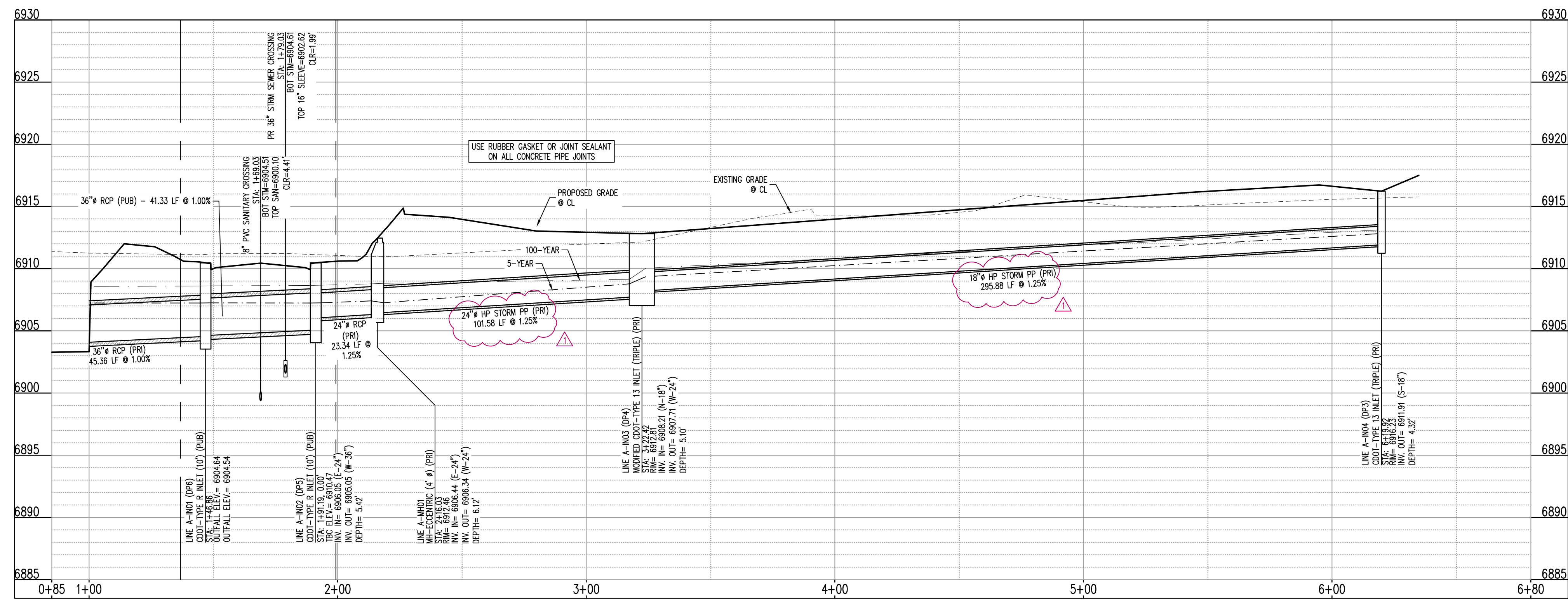
VR239 & PPR2336

C4.1
 Sheet 13 of 25



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 - A — ADJACENT PROPERTY BOUNDARY LINE
 - R — RIGHT OF WAY LINE
 - L — EXISTING ADJACENT LOT LINE
 - L — PROPOSED LOT LINE
 - E — EXISTING EASEMENT LINE
 - E — PROPOSED EASEMENT LINE
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 - G — EXISTING EDGE OF ASPHALT
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 - S — PROPOSED TRAIL
 - S — PROPOSED GRAVEL PER EGM TABLE D-7
 - P — RIPRAP OUTFALL PADS
 - S — EXISTING SIGN
 - S — PROPOSED SIGN
 - B — PROPOSED BOLLARDS



CALCULATIONS TO TOP OF PIPE (TOP) FOR REINFORCED CONCRETE PIPE (RCP) ASSUMES WALL THICKNESS AS SHOWN BELOW:

PIPE I.D. (INCHES)	WALL THICKNESS (INCHES)	PIPE O.D. (INCHES)
12	2.00	16.00
15	2.75	19.50
18	2.50	23.00
21	2.75	26.50
24	3.00	30.00
27	3.25	33.50
30	3.50	37.00
33	3.75	40.50
36	4.00	44.00
42	4.50	51.00
48	5.00	58.00
54	5.50	65.00
60	6.00	72.00
66	6.50	80.00

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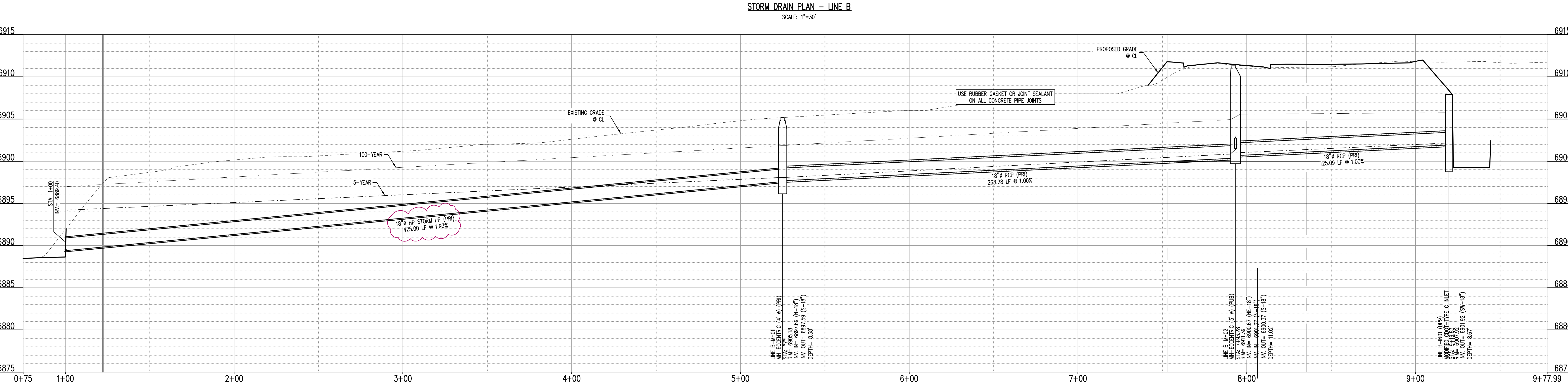
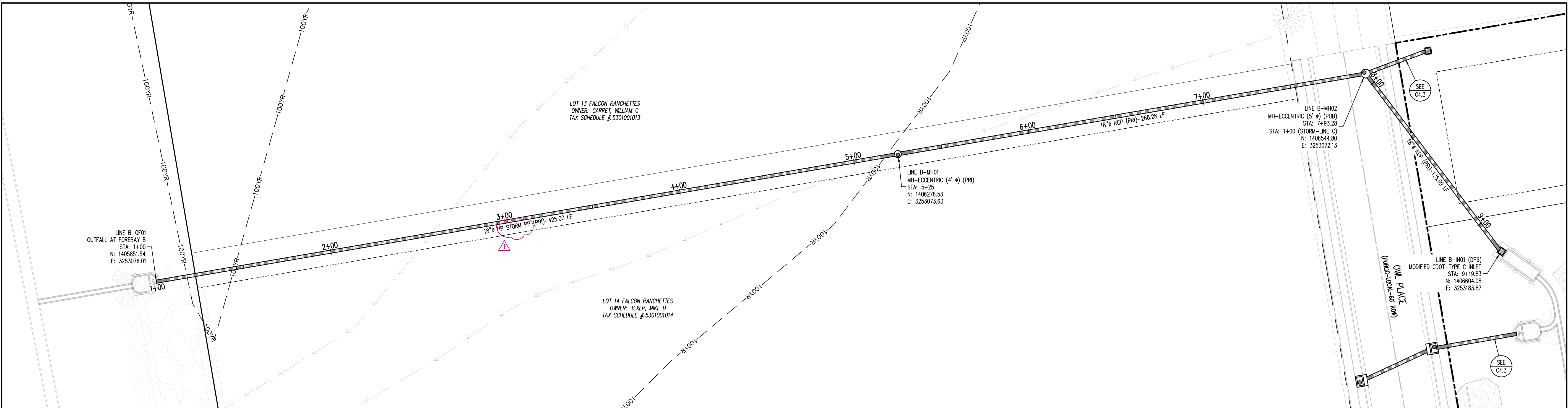
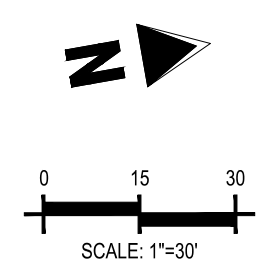
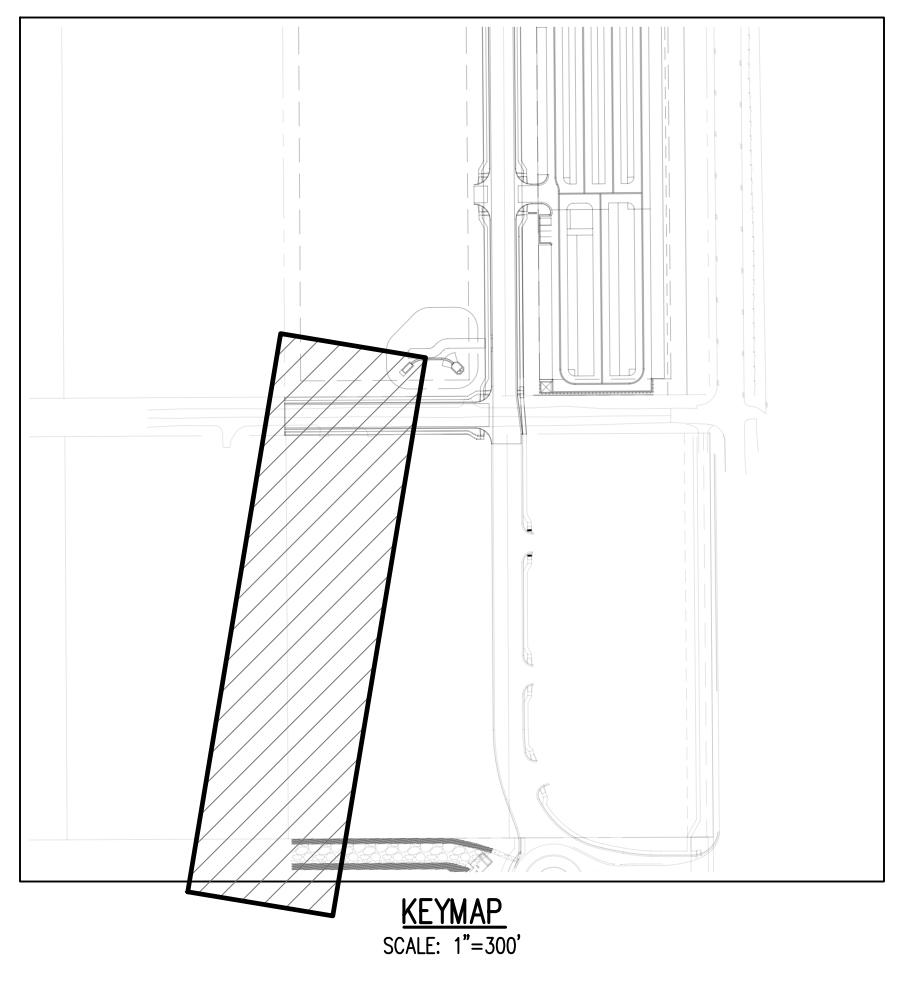


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 - PROPOSED STREET LIGHT
 - PROPOSED WATER METER
 - EXISTING WATER VALVE
 - PROPOSED WATER VALVE
 - EXISTING FIRE HYDRANT
 - PROPOSED FIRE HYDRANT
 - EXISTING STORM SEWER MANHOLE
 - PROPOSED STORM SEWER MANHOLE
 - EXISTING SANITARY SEWER MANHOLE
 - PROPOSED SANITARY SEWER MANHOLE

CALCULATIONS TO TOP OF PIPE (TOP) FOR REINFORCED CONCRETE PIPE (RCP) ASSUMES WALL THICKNESS AS SHOWN BELOW:

PIPE I.D. (INCHES)	WALL THICKNESS (INCHES)	PIPE O.D. (INCHES)
12	2.00	16.00
15	2.25	19.50
18	2.50	23.00
21	2.75	26.50
24	3.00	30.00
27	3.25	33.50
30	3.50	37.00
33	3.75	40.50
36	4.00	44.00
42	4.50	51.00
48	5.00	58.00
54	5.50	65.00
60	6.00	72.00
66	6.50	78.50



STORM DRAIN PROFILE - LINE B (STA: 1+00 - 9+77.99)
 SCALES: HORIZONTAL 1"=30', VERTICAL 1"=6'



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CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.
1	07/10/2025	STORM PIPE MATERIAL	CMWJ
2	08/04/2025	ISSUED FOR CONSTRUCTION	CMWJ
3	12/07/2025	REMOVE RV STORAGE	CMWJ
4	05/22/2026	DROP STRUCTURE RELOCATE	CMWJ

Project No: MRS01
 Drawn By: JDM
 Checked By: BAS, CMWJ
 Date: 08/04/2025

STORM DRAIN PLAN
 VR239 & PPR2336



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STORM DRAIN DETAILS

VR239 & PPR2336

WHEN ADJUSTMENT HEIGHT IS 3 IN. OR LESS, METAL ADJUSTMENT RINGS COMPATIBLE WITH THE EXISTING MANHOLE RING AND COVER MAY BE USED IF APPROVED BY THE ENGINEER.

**SECTION F-F
ADJUST MANHOLE 20 IN. OR LESS**

**SECTION F-F
MODIFY MANHOLE GREATER THAN 20 IN.**

T-BASE MANHOLES NOTES

1. THE T-BASE SECTION SHALL BE SHOP-FABRICATED FOR DELIVERY TO THE CONSTRUCTION SITE AS A COMPLETE UNIT.
2. THESE DETAILS SHOW ONLY THE CONCEPTUAL AND STANDARD DIMENSIONAL REQUIREMENTS FOR TYPE T-BASE MANHOLES. THE CONTRACTOR SHALL FURNISH DETAILED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. THE DETAILS SHOWN HEREIN APPLY ONLY TO 48 IN. AND GREATER DIAMETER PIPES.
3. EXCEPT FOR CLASS OF PIPE, SPECIFICATIONS FOR THE MANHOLE SHALL BE THE SAME AS THOSE REQUIRED FOR THE ADJOINING PIPE.
4. THE T-BASE SECTION SHALL MAINTAIN ITS INTERNAL SHAPE AND FLOW AREA GROUTING OR FILLING SHALL BE APPLIED SO AS TO NOT DISTURB THE NORMAL FLOW OR REDUCE THE AREA.

MANHOLE T-BASE

Computer File Information	
Creation Date: 07/31/19	Designer Initials: JBK
Last Modification Date: 07/31/19	Detailer Initials: LTA
CAD Ver.: MicroStation V8	Scale: Not to Scale

Sheet Revisions	
Date:	Comments:

Colorado Department of Transportation
 2829 West Howard Place
 CDOT HQ, 3rd Floor
 Denver, CO 80204
 Phone: 303-757-9021 FAX: 303-757-9868

Project Development Branch **JBK**

MANHOLES

STANDARD PLAN NO. M-604-20
 Standard Sheet No. 3 of 3

Issued by the Project Development Branch July 31, 2019 Project Sheet Number:

SLIT DETAIL

ALTERNATE SLOT AND HOLD DOWN PLATE DETAIL

GENERAL NOTES

1. INLET TYPE D IS NOT HO-20 RATED AND SHALL NOT BE PLACED IN PAVED ROADWAYS. THIS INLET SHALL BE USED ONLY OUTSIDE PAVED ROADWAYS.
2. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
3. SEE PLANS FOR SIZE AND LOCATION OF PIPE.
4. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH SUBSECTION 212X6.
5. STANDARD INLET GRATES SHALL BE USED ON ALL TYPE D INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
6. CLOSE MESH GRATES ARE RECOMMENDED WHERE FOOT TRAFFIC OR BICYCLE ROUTES ARE IN CLOSE PROXIMITY TO GRATE. THIS GRATE IS NOT ADA COMPLIANT OR BICYCLE FRIENDLY AND SHALL NOT BE PLACED DIRECTLY IN SIDEWALKS, CROSSWALKS OR BIKE PATHS.
7. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET 6 INCHES AND SHALL CONFORM WITH AASHTO M 199.
8. REINFORCING BARS SHALL BE GRADE 60, EPOXY COATED, AND DEFORMED #4, AND SHALL HAVE A 2 INCH MIN. CLEARANCE CUT OR BEND BARS AROUND PIPE AS REQUIRED.
9. ALL INLETS SHALL HAVE A 4 INCH DIA. METAL MEDALLION WITH A "NO STOPPING DRAINS TO STREAM" MESSAGE ON IT. THE MEDALLION SHALL HAVE A FISH SYMBOL WITH A BLUE BACKGROUND. IT SHALL BE FIRMLY ATTACHED TO THE INLET'S SURFACE WITH A PERMANENT FASTENER.

GRATE INSTALLATION DETAIL

**TRANSVERSE CROSS SECTION
LEVEL GRATE INSTALLATION**

**LONGITUDINAL CROSS SECTION
LEVEL GRATE INSTALLATION**

**TRANSVERSE CROSS SECTION
SLOPING GRATE INSTALLATION**

**LONGITUDINAL CROSS SECTION
SLOPING GRATE INSTALLATION**

INLET, TYPE D

STANDARD PLAN NO. M-604-11
 Standard Sheet No. 1 of 1

Issued by the Project Development Branch July 31, 2019 Project Sheet Number:

TWO STEEL GRATE PER INLET QUANTITIES

NO. PIECES	DESCRIPTION	LENGTH	WEIGHT PER FT. (LBS.)	TOTAL WEIGHT (LBS.)
8	54 x 7.7 BEAM	40"	7.70	226
4	3 1/2" x 1/4" FLAT	26 3/4"	2.98	26
4	3" x 1/4" FLAT	26 3/4"	2.55	24
TOTAL LBS. = 256				

QUANTITIES FOR ONE INLET

INLET FT.	CONCRETE CU. YDS.	STEEL LBS.	CIRCULAR PIPE RANGE INSIDE DIA. IN. - "Ø"
3.0	1.5	127	18
3.5	1.7	149	18-24
4.0	1.9	157	18-30
4.5	2.0	179	18-36
5.0	2.2	187	18-42
5.5	2.4	208	18-42
6.0	2.6	215	18-42
6.5	2.8	216	18-42
7.0	2.9	243	18-42
7.5	3.1	264	18-42
8.0	3.3	271	18-42
8.5	3.5	292	18-42
9.0	3.6	296	18-42
9.5	3.8	320	18-42
10.0	4.0	327	18-42

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Sheet Revisions	
Date:	Comments:

Colorado Department of Transportation
 2829 West Howard Place
 CDOT HQ, 3rd Floor
 Denver, CO 80204
 Phone: 303-757-9021 FAX: 303-757-9868

Project Development Branch **JBK**

INLET, TYPE D

STANDARD PLAN NO. M-604-11
 Standard Sheet No. 1 of 1

Issued by the Project Development Branch July 31, 2019 Project Sheet Number:



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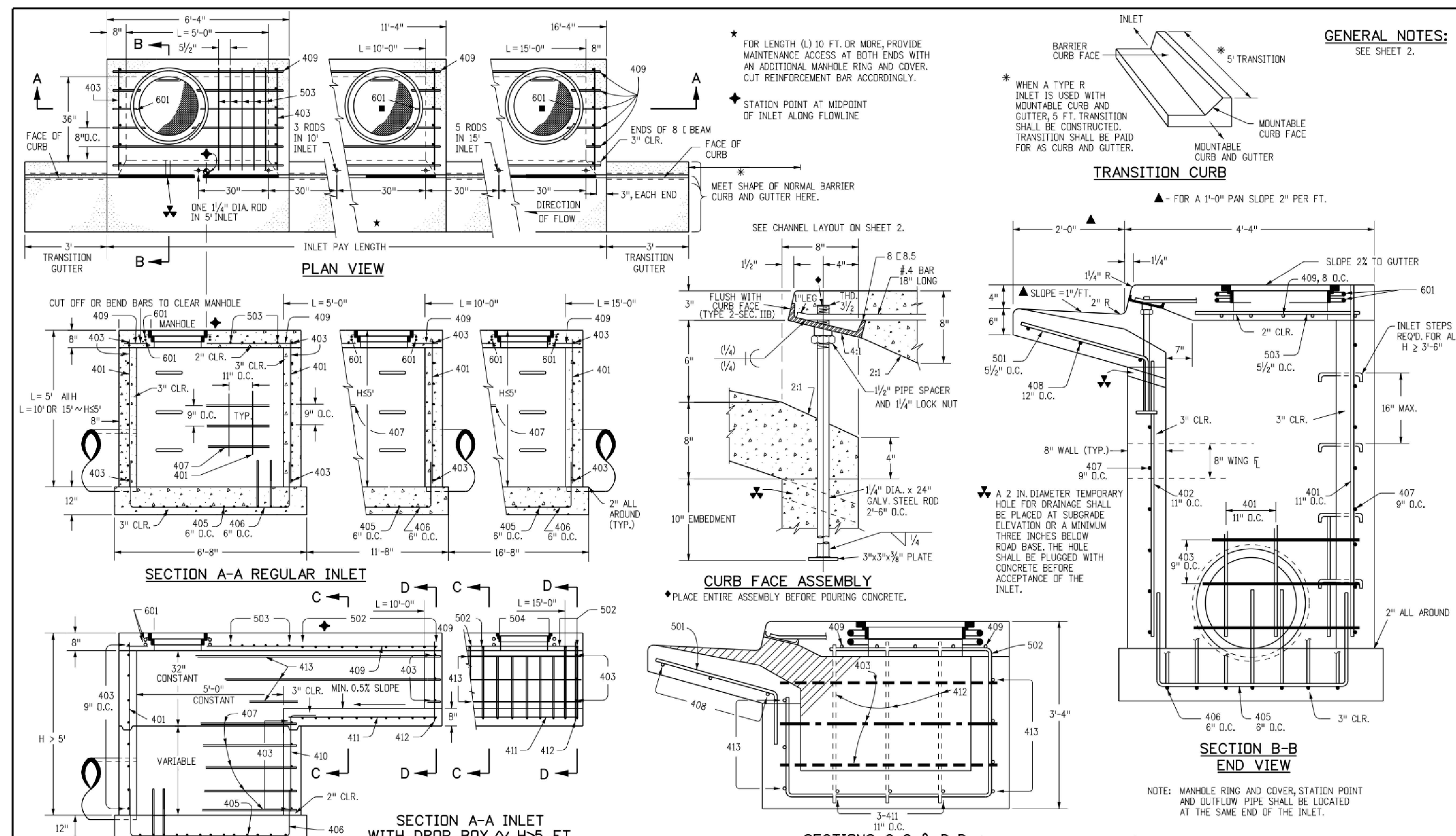
CONSTRUCTION DRAWINGS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
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 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
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STORM DRAIN DETAILS

VR239 & PPR2336



Computer File Information Creation Date: 07/31/19 Designer Initials: JJK Last Modification Date: 07/31/19 Detailer Initials: LTA CAD Ver: MicroStation V8 Scale: Not to Scale Units: English	Sheet Revisions <table border="1"> <tr> <th>Date</th> <th>Comments</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Date	Comments			Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch JBK	CURB INLET TYPE R Issued by the Project Development Branch July 31, 2019	STANDARD PLAN NO. M-604-12 Standard Sheet No. 1 of 2 Project Sheet Number:
Date	Comments							

Computer File Information Creation Date: 07/31/19 Designer Initials: JJK Last Modification Date: 07/31/19 Detailer Initials: LTA CAD Ver: MicroStation V8 Scale: Not to Scale Units: English	Sheet Revisions <table border="1"> <tr> <th>Date</th> <th>Comments</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Date	Comments			Colorado Department of Transportation 2829 West Howard Place CDOT HQ, 3rd Floor Denver, CO 80204 Phone: 303-757-9021 FAX: 303-757-9868 Project Development Branch JBK	CURB INLET TYPE R Issued by the Project Development Branch July 31, 2019	STANDARD PLAN NO. M-604-12 Standard Sheet No. 2 of 2 Project Sheet Number:
Date	Comments							

MARK	BAR # OR SIZE	D.C. SPACING	TYPE	ALL INLETS			INLETS H ≤ 5 FT.			INLETS H > 5 FT.		
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.
401	4	11"	II	15	21	21	26	11	11	11	11	
402	4	11"	II	7	13	18	18	7	7	7	7	
403	4	9"	II	7	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	
405	4	6"	VI	11	6'-10"	6'-10"	6'-10"	11	6'-10"	11	6'-10"	
406	4	6"	VIII	7	8'-10"	7	18'-10"	7	8'-10"	7	8'-10"	
407	4	8"	II	7	3'-10"	10'-10"	15'-10"	7	3'-10"	7	3'-10"	
408	4	12"	II	3	8'-10"	3	15'-10"	3	15'-10"	3	15'-10"	
409	4	8"	II	6	5'-10"	6	15'-10"	6	15'-10"	6	15'-10"	
410	4	11"	VII	11	6'-10"	11	6'-10"	11	6'-10"	11	6'-10"	
411	4	11"	II	11	6'-10"	11	6'-10"	11	6'-10"	11	6'-10"	
412	4	11"	II	11	6'-10"	11	6'-10"	11	6'-10"	11	6'-10"	
413	4	9"	II	11	6'-10"	11	6'-10"	11	6'-10"	11	6'-10"	
501	5	5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	
502	5	5 1/2"	III	11	3'-4"	16	3'-6"	27	3'-6"	6	3'-6"	
503	5	5 1/2"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	
504	5	5 1/2"	IX	11	3'-4"	16	3'-6"	27	3'-6"	5	8'-4"	
601	6	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	4	8'-10"	
REG. 5	1	5'-10"	1	10'-10"	1	15'-10"	1	15'-10"	1	10'-10"	1	15'-10"
REG. 5	2	BAWS, 1 RODS	4	BAWS, 3 RODS	8	BAWS, 3 RODS	4	BAWS, 3 RODS	8	BAWS, 3 RODS	4	BAWS, 3 RODS

"H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.	
		NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.	CONC. CU. YDS.	STEEL LBS.
3'-0"	2'-8"	1-8"	10	7	3.2	285	5.3	497	7.4	706	
3'-4"	3'-2"	2'-2"	10	7	3.4	305	5.7	528	7.9	747	
4'-0"	3'-8"	2'-8"	12	9	3.7	326	6.0	559	8.4	786	
4'-4"	4'-2"	3'-2"	12	9	3.9	334	6.4	571	8.8	803	
5'-0"	4'-8"	3'-8"	14	11	4.1	354	6.7	602	9.3	844	
5'-4"	5'-2"	4'-2"	16	13	4.4	375	7.0	607	9.7	850	
6'-0"	5'-8"	4'-8"	18	15	4.6	392	7.2	616	10.0	860	
6'-4"	6'-2"	5'-2"	18	15	4.8	402	7.4	627	10.3	860	
7'-0"	6'-8"	5'-8"	20	17	5.0	423	7.6	654	10.7	897	
7'-4"	7'-2"	6'-2"	20	17	5.2	430	7.8	664	11.0	907	
8'-0"	7'-8"	6'-8"	22	19	5.5	451	8.1	684	11.4	927	
8'-4"	8'-2"	7'-2"	24	21	5.7	471	8.3	702	11.7	944	
9'-0"	8'-8"	7'-8"	24	21	6.0	479	8.5	711	12.0	954	
9'-4"	9'-2"	8'-2"	26	23	6.2	499	8.7	732	12.3	974	
10'-0"	9'-8"	8'-8"	28	25	6.4	520	8.9	749	12.6	992	
10'-4"	10'-2"	9'-2"	28	25	6.7	527	9.1	759	12.9	1000	
11'-0"	10'-8"	9'-8"	30	27	7.0	547	9.3	779	13.2	1022	

"H"	LENGTH	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.	NO. REQ'D.
3'-0"	2'-8"	1-8"	10	7	3.2
3'-4"	3'-2"	2'-2"	10	7	3.4
4'-0"	3'-8"	2'-8"	12	9	3.7
4'-4"	4'-2"	3'-2"	12	9	3.9
5'-0"	4'-8"	3'-8"	14	11	4.1
5'-4"	5'-2"	4'-2"	16	13	4.4
6'-0"	5'-8"	4'-8"	18	15	4.6
6'-4"	6'-2"	5'-2"	18	15	4.8
7'-0"	6'-8"	5'-8"	20	17	5.0
7'-4"	7'-2"	6'-2"	20	17	5.2
8'-0"	7'-8"	6'-8"	22	19	5.5
8'-4"	8'-2"	7'-2"	24	21	5.7
9'-0"	8'-8"	7'-8"	24	21	6.0
9'-4"	9'-2"	8'-2"	26	23	6.2
10'-0"	9'-8"	8'-8"	28	25	6.4
10'-4"	10'-2"	9'-2"	28	25	6.7
11'-0"	10'-8"	9'-8"	30	27	7.0

SITE LEGEND

- PROJECT BOUNDARY LINE
- ADJACENT PROPERTY BOUNDARY LINE
- RIGHT OF WAY LINE
- EXISTING ADJACENT LOT LINE
- PROPOSED LOT LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED ROAD CENTERLINE
- EXISTING ROAD CENTERLINE
- PROPOSED RIDGE LINE
- PROPOSED SWALE LINE
- EXISTING SWALE LINE
- 100YR FLOODPLAIN BOUNDARY
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING GUARDRAIL
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF ASPHALT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- PROPOSED GRAVEL PER EOM TABLE D-7
- RIPRAP OUTFALL PADS
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS

GRADING LEGEND

- 5460 --- EXISTING MAJOR CONTOUR
- 52 --- EXISTING MINOR CONTOUR
- 5465 --- PROPOSED MAJOR CONTOUR
- 55 --- 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
- 89.00 HP --- PROPOSED SPOT ELEVATION - HIGH POINT
- 89.00 LP --- PROPOSED SPOT ELEVATION - LOW POINT
- 89.00 TOB --- PROPOSED SPOT ELEVATION - TOP OF BERM
- 89.00 FL --- PROPOSED SPOT ELEVATION - FLOW LINE
- 89.00 TG --- PROPOSED SPOT ELEVATION - TOP OF GRATE
- 89.00 FG --- PROPOSED SPOT ELEVATION - FINISHED GRADE
- 89.00 SW --- PROPOSED SPOT ELEVATION - SIDEWALK
- 89.00 EOC --- PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
- 89.00 EOA --- PROPOSED SPOT ELEVATION - EDGE OF ASPHALT
- 89.00 ME --- PROPOSED SPOT ELEVATION - MATCH EXISTING

UTILITY LEGEND

- EXISTING WATER LINE
- W --- PROPOSED WATER LINE
- SS --- EXISTING SANITARY SEWER
- SS --- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
- SS --- PROPOSED STORM SEWER
- EXISTING GAS LINE
- G --- PROPOSED GAS LINE
- EXISTING UNDERGROUND TELEPHONE
- UT --- EXISTING OVERHEAD ELECTRIC
- OHE --- EXISTING OVERHEAD ELECTRIC
- FO --- EXISTING FIBER OPTIC LINE
- FO --- EXISTING FIBER OPTIC STRUCTURES
- EXISTING TELEPHONE PEDESTAL
- EXISTING ELECTRIC TRANSFORMER
- EXISTING POWER POLE
- EXISTING STREET LIGHT
- PROPOSED STREET LIGHT
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING STORM SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE

BASIS OF BEARING

ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W. DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHEAST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

BENCHMARK

THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FILING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A "YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD88 ELEVATION = 6947.67

CAUTION - NOTICE TO CONTRACTOR

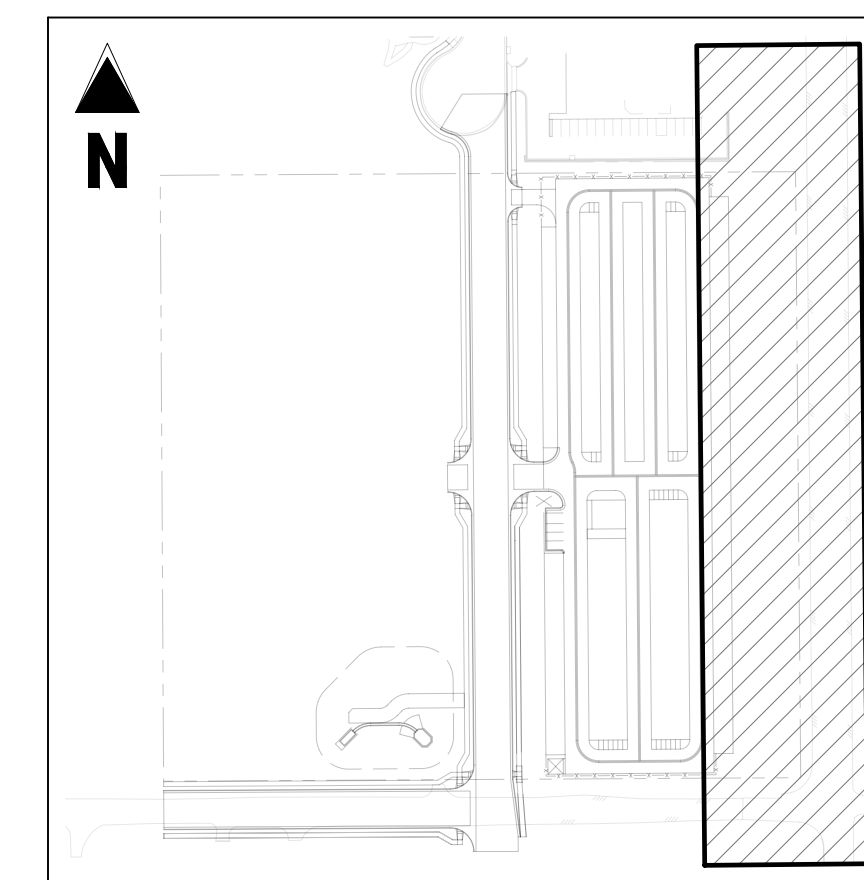
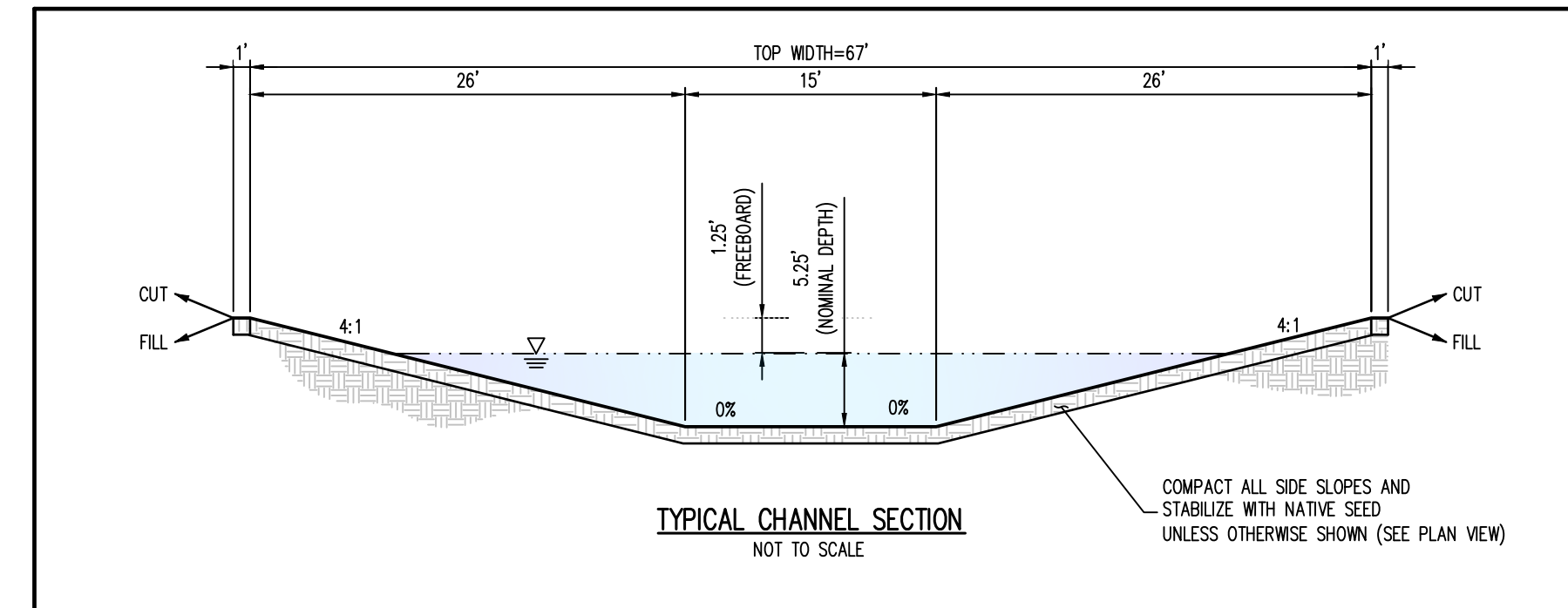
- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER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



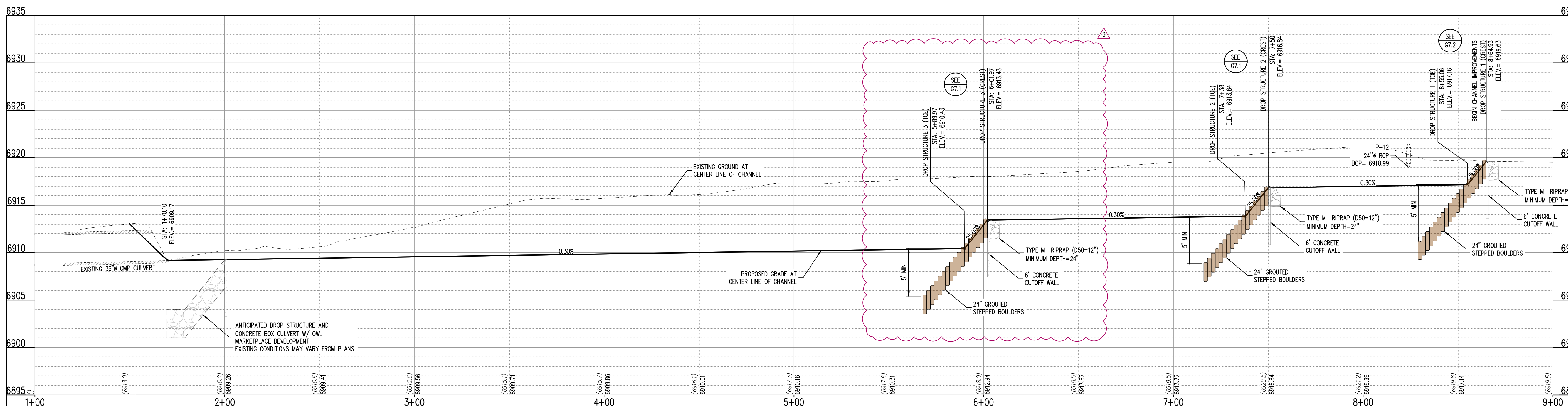
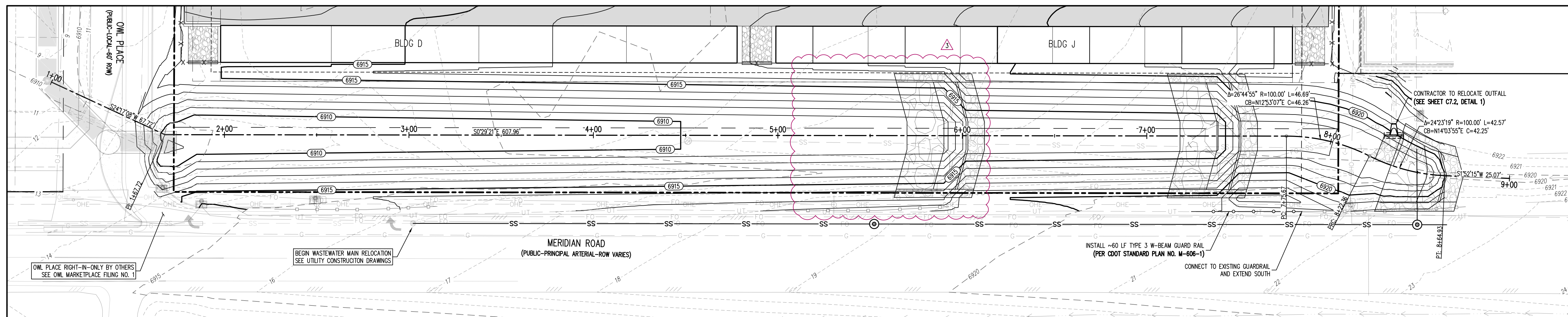
Know what's below.
Call before you dig.

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.



SCALE: 1"=30'



CHANNEL PROFILE (STA: 1+00 - 9+00)

SCALES: HORIZONTAL 1"=30', VERTICAL 1"=4'



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CHANNEL PLAN & PROFILE

VR239 & PPR2336

C6.1

Sheet 21 of 25



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MERIDIAN STORAGE, LLC
VR239 & PPR2336
 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.
1	07/10/2025	STORM PIPE MATERIAL	CMWJ
1	08/04/2025	ISSUED FOR CONSTRUCTION	CMWJ
2	12/07/2025	REMOVE RV STORAGE	CMWJ
3	05/22/2026	DROP STRUCTURE RELOCATE	CMWJ

Project No: MRS01
 Drawn By: JDM
 Checked By: BAS, CMWJ
 Date: 08/04/2025

**DROP STRUCTURE 2 & 3
 DETAILS**
 VR239 & PPR2336

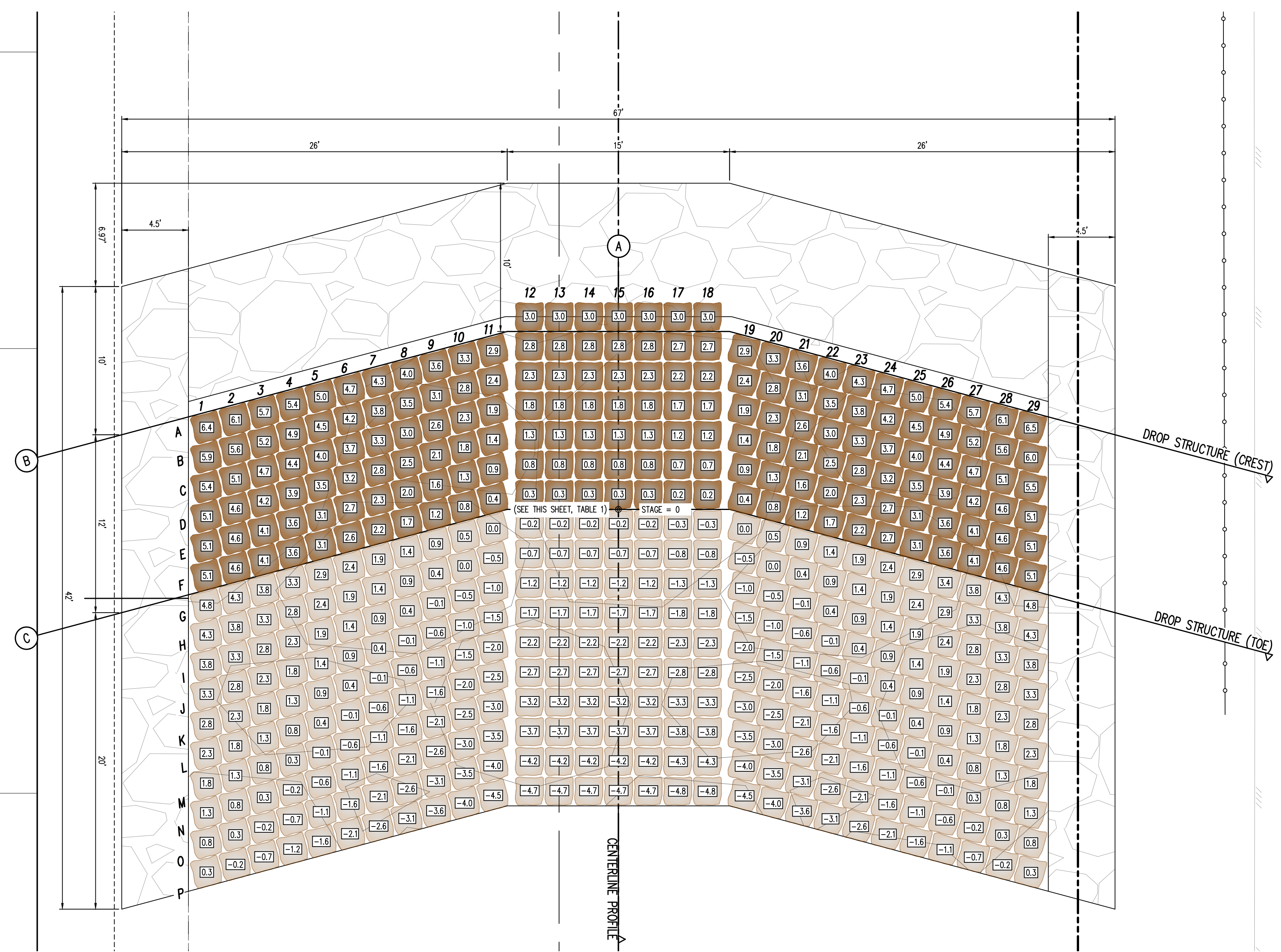
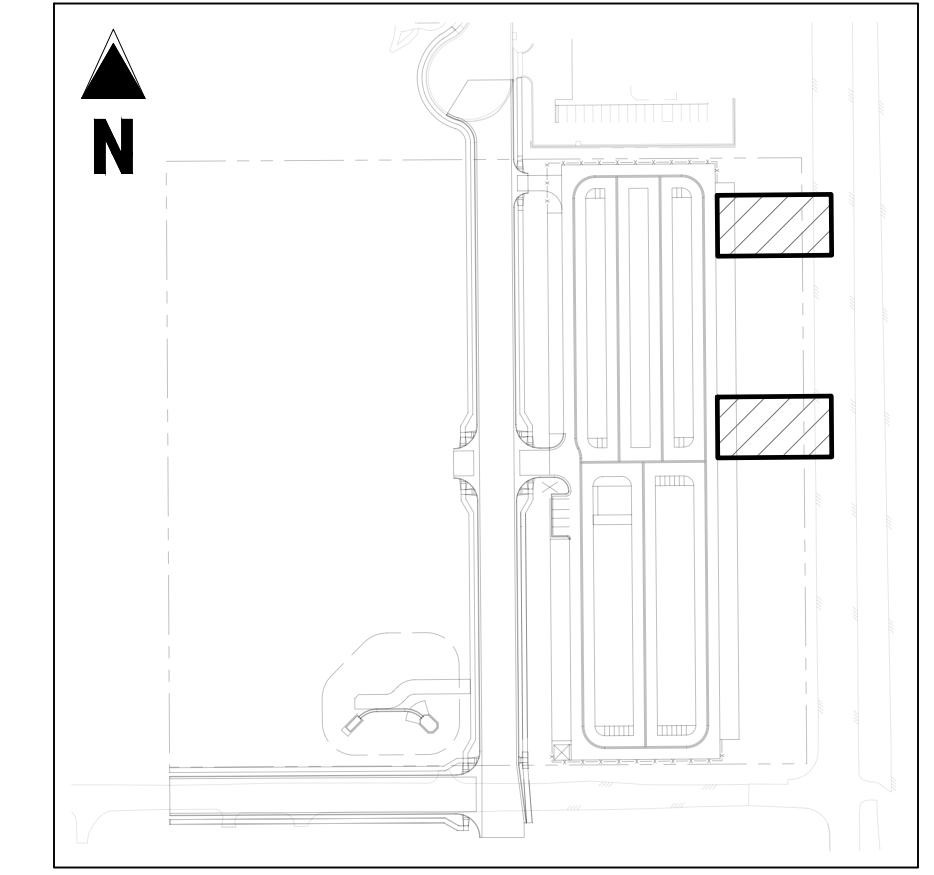


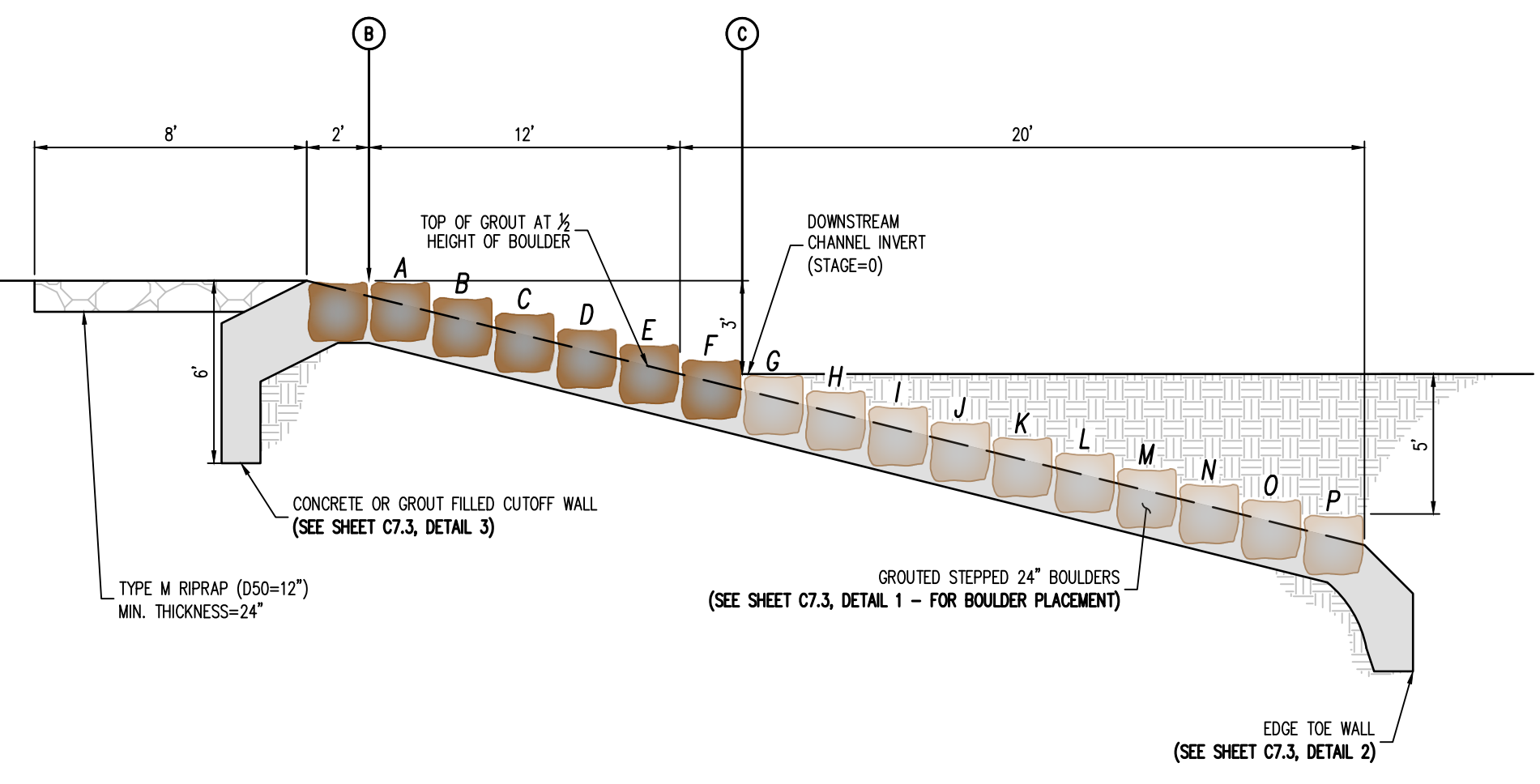
TABLE 1: DROP STRUCTURE STAGE ELEVATIONS

DROP STRUCTURE #2	6913.84
DROP STRUCTURE #3	6910.43

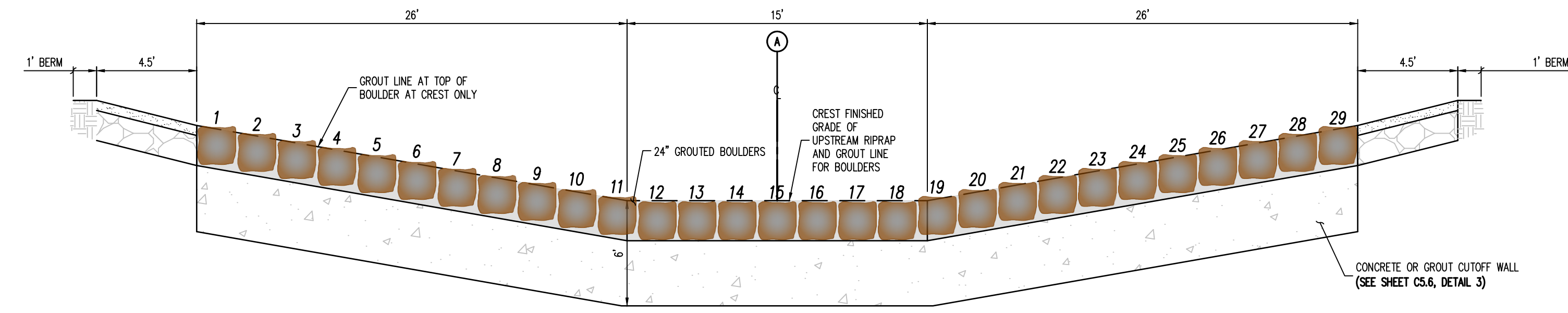
NOTE: STAGE=0 IS LOCATED AT THE TOE OF CHANNEL ALONG THE CENTER LINE ALIGNMENT. CONTRACTOR SHALL ENSURE ELEVATIONS ABOVE MATCH THE ELEVATIONS SHOWN ON PLAN & PROFILE SHEETS (06.1)

- NOTES:**
- 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.
 - 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.
 - DUE TO VARIABILITY IN BOULDER SIZES, THE LAYOUT PROVIDED ON THIS DETAIL MAY NOT MATCH THE COMPLETED LAYOUT IN CONSTRUCTION.
 - REFER TO SHEET C7.3 FOR ADDITIONAL GROUTED BOULDER PLACEMENT NOTES AND SPECIFICATIONS.

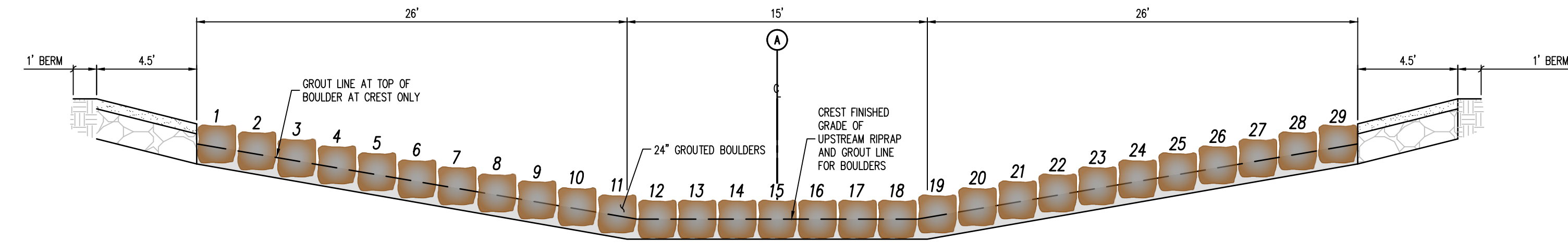
① DROP STRUCTURE (#2, #3) - PLAN VIEW
 SCALE: 1"=5'



② DROP STRUCTURE (#2, #3) - PROFILE VIEW (SECTION A)
 NOT TO SCALE



③ DROP STRUCTURE (#2, #3) - PROFILE VIEW (SECTION B)
 NOT TO SCALE



④ DROP STRUCTURE (#2, #3) - PROFILE VIEW (SECTION C)
 NOT TO SCALE

