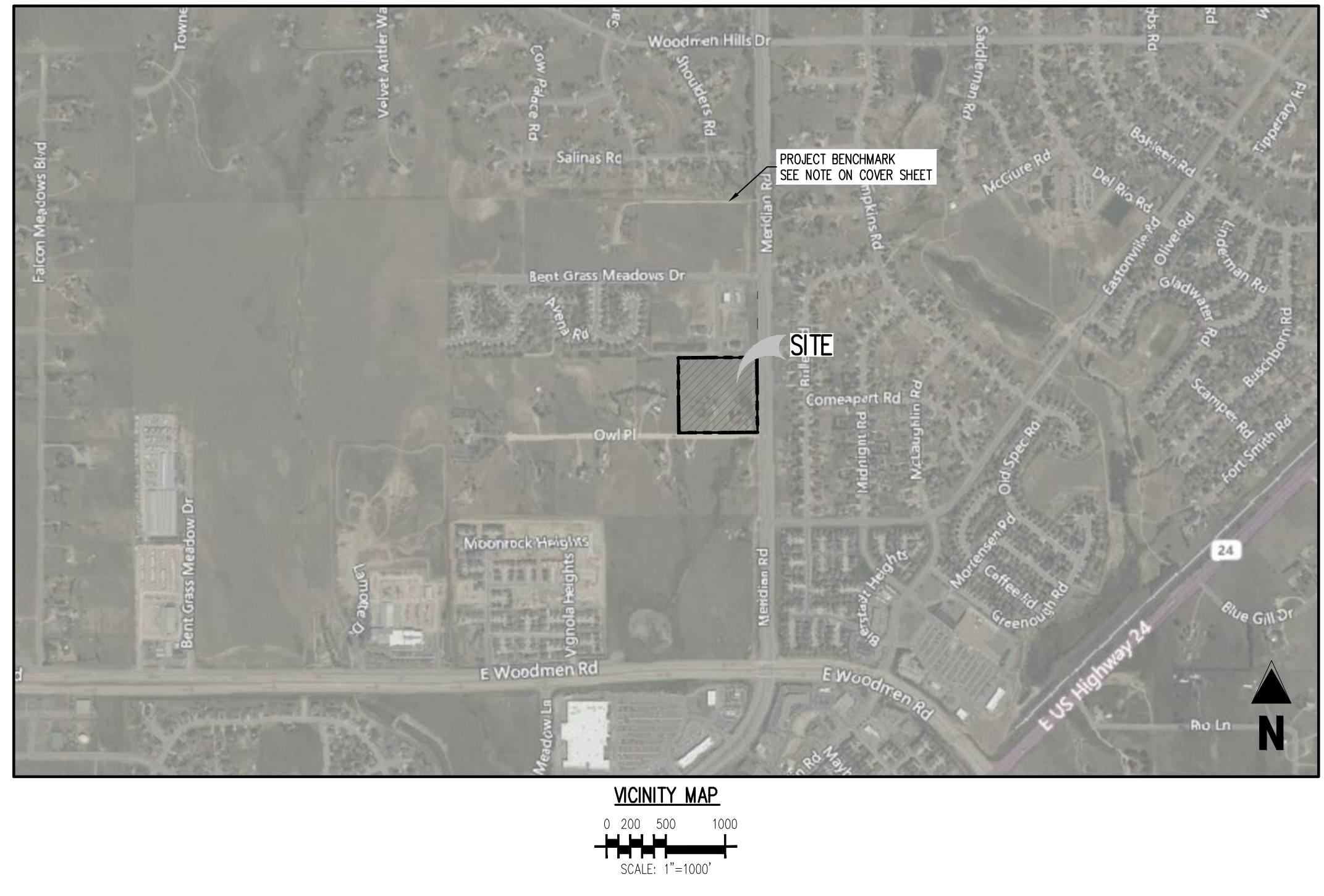


MERIDIAN STORAGE, LLC
MERIDIAN STORAGE

FALCON RANCHETTES FILING NO. 1A, NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 1
TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M., COUNTY OF EL PASO
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE

GRADING & EROSION CONTROL PLAN
VR239 & PPR2336

- PROJECT CONTACTS
PROPERTY OWNER
APPLICANT
CIVIL ENGINEER
LANDSCAPE ARCHITECT
SURVEYOR
CITY & UTILITY CONTACTS
WATER
WASTEWATER
ELECTRIC
NATURAL GAS
FIRE



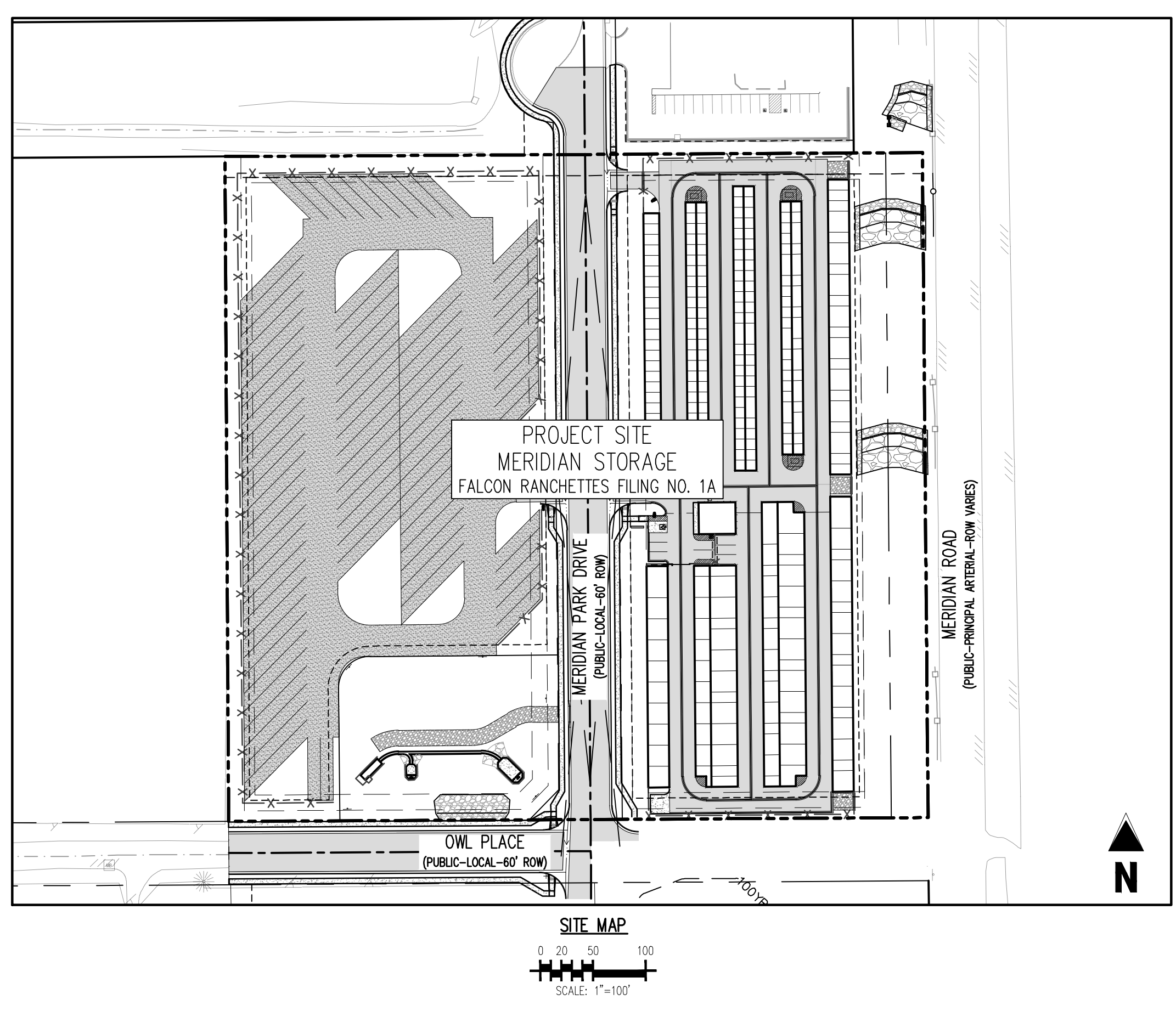
SHEET LIST TABLE
Table with 3 columns: SHEET NUMBER, SHEET TITLE, SHEET DESCRIPTION. Lists sheets 1-24 including Cover Sheet, Notes, Erosion Control Plans, and Pond Details.

LEGAL DESCRIPTION
A PARCEL OF LAND IN THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST, OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
LOTS 1 & 2, FALCON RANCHETTES, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK V-2, PAGE 15, OF THE RECORDS OF EL PASO COUNTY, COLORADO.
CONTAINING 9.604 ACRES, MORE OR LESS.
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" NAVD83 ELEVATION = 6947.67
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 SOUTHWEST 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.

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.
NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.
CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.

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
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 POtholing OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

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



EL PASO COUNTY
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 MANUAL, VOLUMES 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 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR
DATE
OWNER'S STATEMENT
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.
Mike Texer
DATE 05/15/2024
ENGINEER'S STATEMENT
THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY AN NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.
Brady A. Shyrook
DATE 05/21/2024



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

Table with 4 columns: #, Date, Issue / Description, Init. Contains revision tracking information.

Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

STANDARD NOTES FOR GEC PLANS

- 1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS...
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS...
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION...
4. ONCE THE ESQCP IS APPROVED AND A NOTICE TO PROCEED HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC...
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER...
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED...
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS...
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES...
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS...
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION...
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES...
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE...
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP...
14. DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF...
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1...
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS...
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY...
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED...
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES...
20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE...
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE EGM ADMINISTRATOR...
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION...
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES...
24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE 'COLORADO WATER QUALITY CONTROL ACT'...
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS...
26. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES...
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS...
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY UNIVERSAL ENGINEERING SCIENCES (UES)...
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION...

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

STANDARD NOTES FOR CONSTRUCTION PLANS

- 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...
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...
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS...
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ON-SITE AND OFF-SITE ON THE CONSTRUCTION PLANS...
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION...
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS...
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD...
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD...
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER EGM STANDARDS...
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...
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA...
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT...
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED...

EROSION CONTROL NOTES

- 1. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING...
2. CONSTRUCTION FENCE AND SILT FENCE OFFSET FOR CLARITY, CONTRACTOR TO ENSURE BMPs ARE PLACED DOWNSTREAM OF DISTURBED AREAS...
3. OWL PLACE & MERIDIAN PARK DRIVE SHALL BE STREET SWEEP AND INSPECTED ON A REGULAR BASIS DURING CONSTRUCTION...
4. THE SITE CURRENTLY EXISTS AS RURAL, 5-ACRE SINGLE FAMILY RESIDENTIAL LOTS...
5. THIS PROJECT DOES NOT ANTICIPATE UTILIZING ON-SITE BATCH PLANTS.

GENERAL CONSTRUCTION NOTES

- 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...
2. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION...
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 SOILS ENGINEERS RECOMMENDATIONS...
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED...
6. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES...
7. ALL INTERSECTION ACCESSES TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLES...
8. ALL CULVERT AND STORM PIPES SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (HDEPE)...
9. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED FOR ROADS SHALL BE PER DESIGN REPORT...
10. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MRAFI FW 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-SR18 PVC WITH PUSH-ON SINGLE GASKET TYPE JOINTS...
13. ALL WATER MAIN FITTINGS SHALL BE MADE FROM GRAY-IRON OR DUCTILE IRON...
14. ALL WATER LINE BENDS, TEES, BLOW-OFFS AND PLUGS AT DEAD-END MAINS SHALL BE PROTECTED FROM THRUST BY USING CONCRETE THRUST BLOCKS...
15. MAXIMUM DEFLECTION OF 8" OR 12" PVC WATER MAIN JOINTS IS 4 DEGREES...
16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED AS-BUILTS OF ALL WATER MAIN, STORM SEWER AND SANITARY SEWER MAIN INSTALLATIONS...
17. SANITARY SEWER PIPE AND FITTINGS: PVC 4" - 8" ASTM D3034, TYPE PSJM, SDR 35...



1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.900.7220
GallowayUS.com



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GRADING & EROSION CONTROL PLAN
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, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

NOTES

VR239 & PPR2336

G0.1
Sheet 2 of 24

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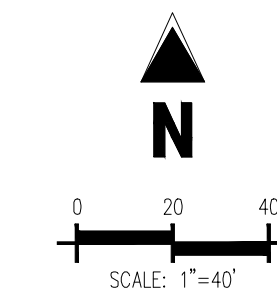
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#	Date	Issue / Description	Init.

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CUT & FILL MAP

VR239 & PPR2336

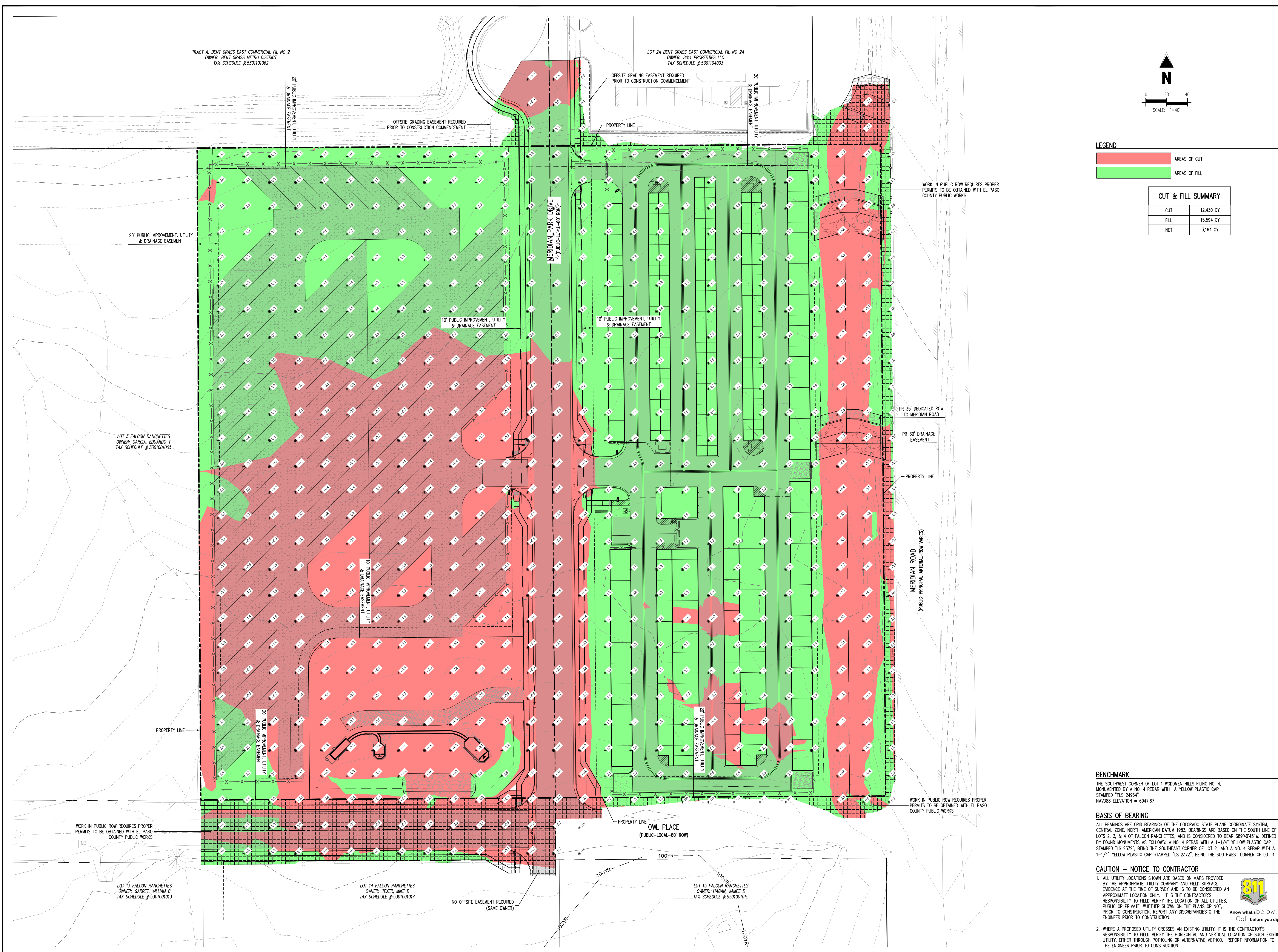


LEGEND

	AREAS OF CUT
	AREAS OF FILL

CUT & FILL SUMMARY

CUT	12,430 CY
FILL	15,594 CY
NET	3,164 CY

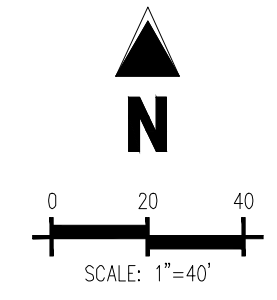
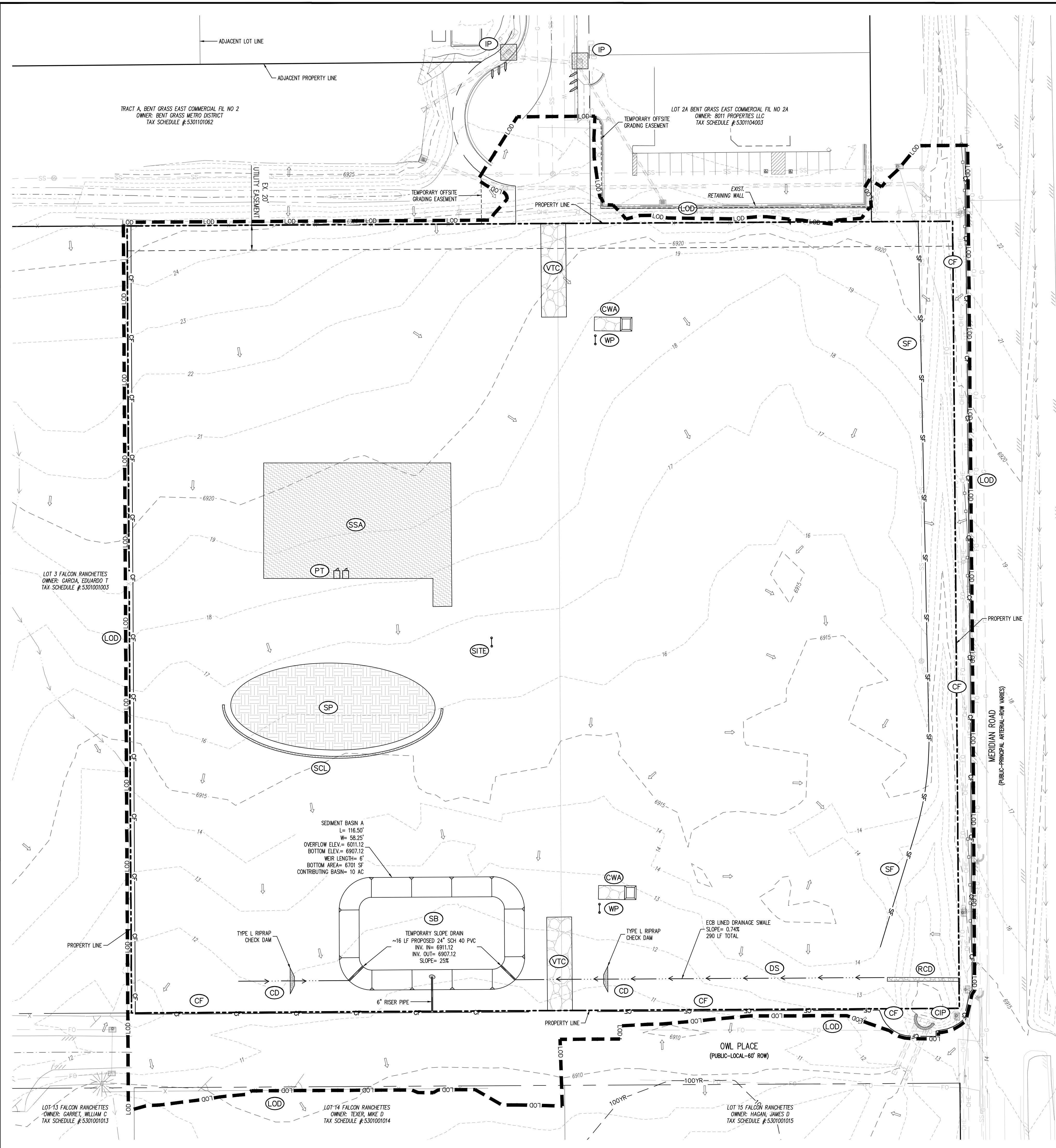


BENCHMARK
 THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD85 ELEVATION = 6947.67

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 889°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 SOUTHWEST 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.

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.

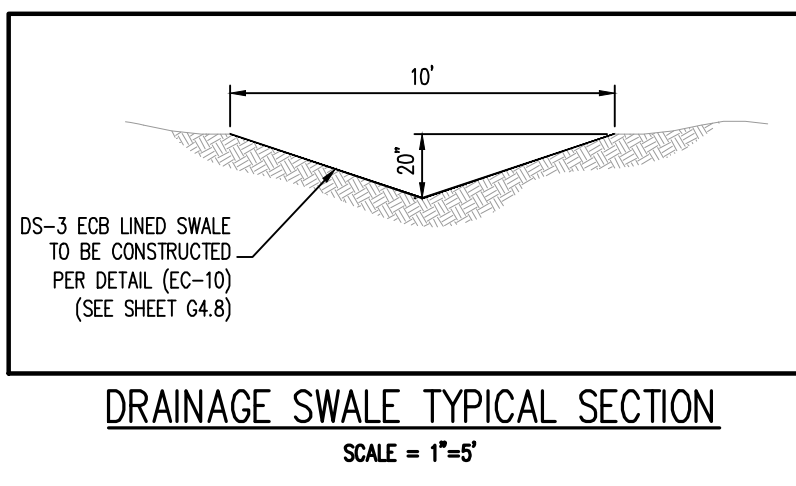




- ### EROSION CONTROL LEGEND
- 5460 — EXISTING MAJOR CONTOUR
 - 52 — EXISTING MINOR CONTOUR
 - 5465 — PROPOSED MAJOR CONTOUR
 - 55 — PROPOSED MINOR CONTOUR
 - FLOW ARROW
 - GR — PROPOSED GRAVEL PER EGM TABLE D-7
 - Ⓞ LS — PERMANENT LANDSCAPING SEE LANDSCAPING PLAN FOR SURFACE TREATMENT
 - DS — DIVERSION SWALE
 - LOD — LIMITS OF DISTURBANCE/CONSTRUCTION
 - ▭ VTC — VEHICLE TRACKING CONTROL
 - ▭ CWA — CONCRETE WASHOUT AREA
 - ▭ SSA — STABILIZED STAGING AREA
 - ▭ SM — SEED AND MULCH
 - ▭ SCL — SEDIMENT CONTROL LOG
 - ▭ SP — STOCKPILE PROTECTION
 - ▭ IP — INLET PROTECTION
 - ▭ CIP — CULVERT INLET PROTECTION
 - ▭ RS — ROCK SOCKS
 - ▭ SF — SILT FENCE
 - ▭ CF — CONSTRUCTION FENCE
 - ▭ SB — SEDIMENT BASIN
 - ▭ CD — CHECK DAM
 - ▭ RCD — REINFORCED CHECK DAM
 - ▭ ECB — COMPOST BLANKET (APPROXIMATE)
 - ▭ RR — RIPRAP OUTFALL PADS
 - ▭ PT — PORTABLE TOILET
 - ▭ SITE — SITE POSTING (CONTACTS AND PERMITS)
 - ▭ WP — WASHOUT POSTING
 - ▭ SBB — STRAW BALE BARRIER
 - ▭ RS — ROCK SOCKS
 - ▭ XX — EROSION MEASURE INSTALLED IN EARLIER PHASE
 - ▭ XX — PROPOSED EROSION MEASURE

- ### 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 EGM 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
 - — PROPOSED STORM SEWER
 - — EXISTING GAS LINE
 - — PROPOSED GAS LINE
 - — EXISTING UNDERGROUND TELEPHONE
 - — EXISTING OVERHEAD ELECTRIC
 - — EXISTING FIBER OPTIC LINE
 - — EXISTING FIBER OPTIC 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



EROSION CONTROL PHASING SCHEDULE

PHASE	SEQUENCE	DESCRIPTION
INITIAL	1	INSTALL PERMETER SILT FENCE AND SEDIMENT CONTROL LOG.
	2	INSTALL INLET PROTECTION ON ALL ADJACENT EXISTING INLETS.
	3	INSTALL VEHICLE TRACKING CONTROL AND PREPARE STABILIZED STAGING AREA.
INTERM	4	DEMOLISH ALL EXISTING APPURTENANCES REQUIRED FOR PROPOSED IMPROVEMENTS.
	5	SITE CLEARING, GRUBBING, AND TOPSOIL STOCK PILING.
	6	BEGIN ROUGH GRADING THE SITE.
	7	PLACE STRAW BALE BARRIERS OR SIMILAR CHECK DAM ALONG INTERNAL ROADWAYS AND DRAINAGE SWALES.
	8	CONSTRUCT UNDERGROUND WATER, WASTEWATER, AND STORM DRAIN.
	9	INSTALL INLET PROTECTION ON ALL PROPOSED STORM DRAIN INLETS.
FINAL	10	CONVERT EXISTING SEDIMENT BASIN TO PROPOSED FULL SPECTRUM EXTENDED DETENTION BASIN W/ ALL ASSOCIATED APPURTENANCES.
	11	CONSTRUCT CURB AND GUTTER, PREPARE SUBGRADE FOR PAVEMENT.
	12	CONSTRUCT GAS/ELECTRIC/CABLE/PHONE.
	13	ONCE ALL UNDERGROUND IMPROVEMENTS ARE COMPLETE, PAVE SITE.
	14	FINISH FINE GRADING AND INSTALL PERMANENT LANDSCAPING AND SEEDING.
15	REMOVE BMP'S ONCE FINAL STABILIZATION IS ACHIEVED.	

CONTRACTOR IS RESPONSIBLE FOR PERMANENTLY STABILIZING ALL ON- AND OFF-SITE AREAS DISTURBED DURING CONSTRUCTION, WHETHER THESE ARE SHOWN ON THE PLAN OR NOT, INCLUDING MAINTENANCE OF ALL CONTROL MEASURES UNTIL A NOTICE OF INACTIVATION HAS BEEN ACCEPTED BY THE STATE.

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NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

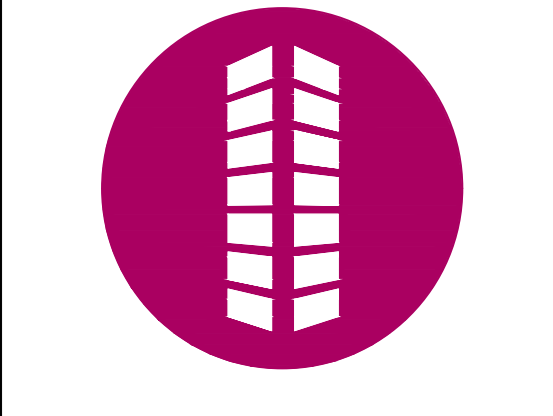
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2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-Holing OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE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



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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

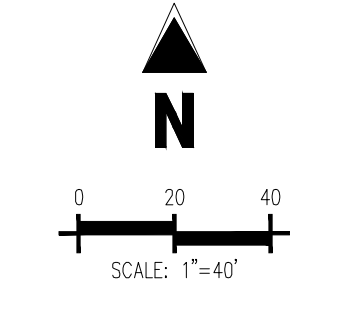
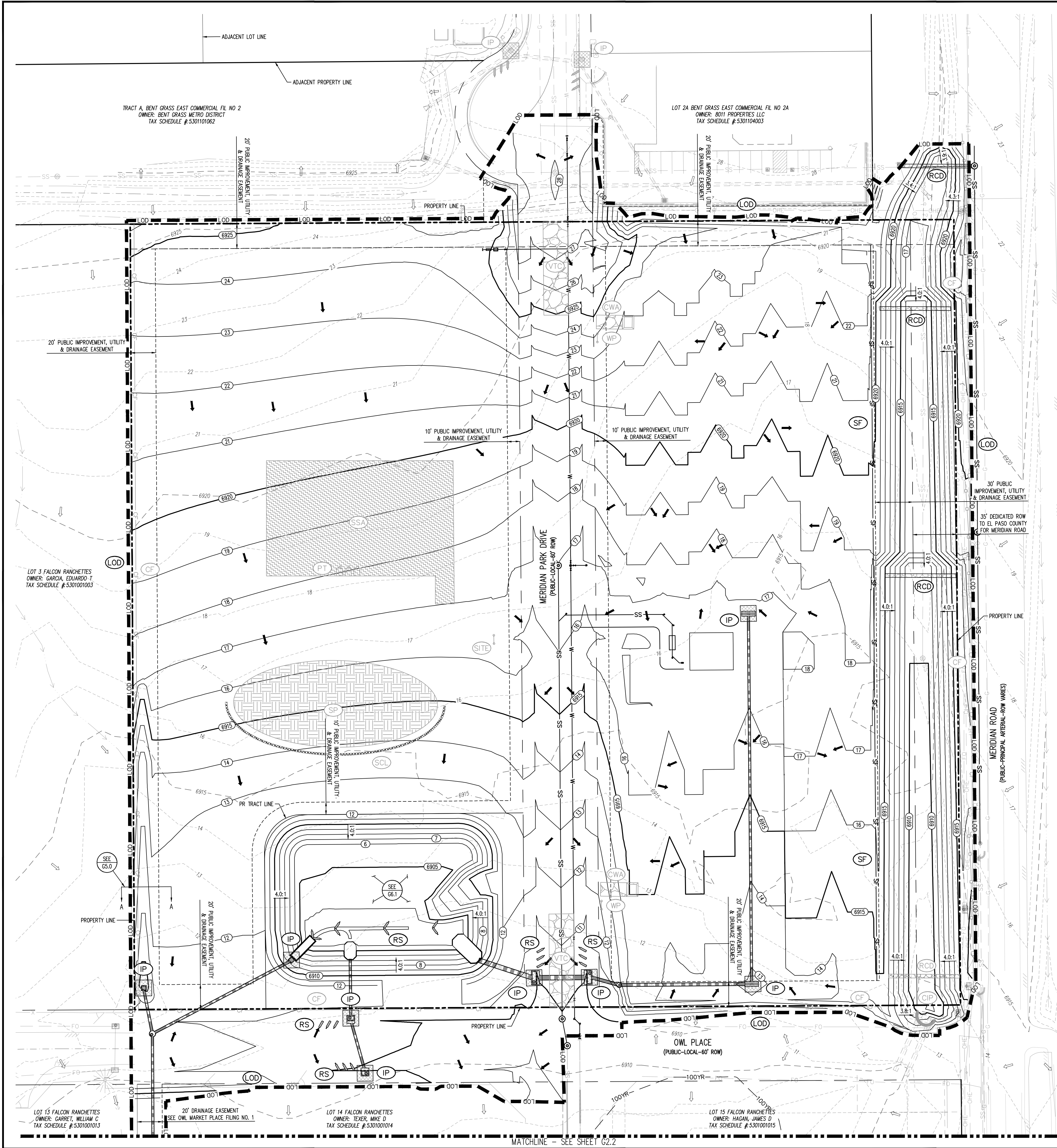
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM, BLB
 Checked By: BAS, CMWJ
 Date: 05/06/2024

INITIAL EROSION CONTROL PLAN
 VR239 & PPR2336

G1.1
 Sheet 4 of 24



- EROSION CONTROL LEGEND**
- 5460 EXISTING MAJOR CONTOUR
 - 52 EXISTING MINOR CONTOUR
 - 5485 PROPOSED MAJOR CONTOUR
 - 66 PROPOSED MINOR CONTOUR
 - FLOW ARROW
 - PROPOSED GRAVEL PER EGM TABLE D-7
 - LS PERMANENT LANDSCAPING SEE LANDSCAPING PLAN FOR SURFACE TREATMENT
 - DS DIVERSION SWALE
 - LOD LIMITS OF DISTURBANCE/CONSTRUCTION
 - VTC VEHICLE TRACKING CONTROL
 - CWA CONCRETE WASHOUT AREA
 - SSA STABILIZED STAGING AREA
 - SM SEED AND MULCH
 - SCL SEDIMENT CONTROL LOG
 - SP STOCKPILE PROTECTION
 - IP INLET PROTECTION
 - CIP CULVERT INLET PROTECTION
 - RS ROCK SOCKS
 - SF SILT FENCE
 - CF CONSTRUCTION FENCE
 - SB SEDIMENT BASIN
 - CD CHECK DAM
 - RCD REINFORCED CHECK DAM
 - ECB COMPOST BLANKET (APPROXIMATE)
 - RR RIPRAP OUTFALL PADS
 - PT PORTABLE TOILET
 - WIT SITE POSTING (CONTACTS AND PERMITS)
 - WP WASHOUT POSTING
 - SBB STRAW BALE BARRIER
 - RS ROCK SOCKS
 - XX EROSION MEASURE INSTALLED IN EARLIER PHASE
 - XX PROPOSED EROSION MEASURE

- 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 EGM TABLE D-7
 - RIPPAP 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
 - PROPOSED STORM SEWER
 - EXISTING GAS LINE
 - PROPOSED GAS LINE
 - EXISTING UNDERGROUND TELEPHONE
 - EXISTING OVERHEAD ELECTRIC
 - EXISTING FIBER OPTIC LINE
 - EXISTING FIBER OPTIC 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

EROSION CONTROL PHASING SCHEDULE

PHASE	SEQUENCE	DESCRIPTION
INITIAL	1	INSTALL PERIMETER SILT FENCE AND SEDIMENT CONTROL LOG.
	2	INSTALL INLET PROTECTION ON ALL ADJACENT EXISTING INLETS.
	3	INSTALL VEHICLE TRACKING CONTROL AND PREPARE STABILIZED STAGING AREA.
INTERM	4	DEMOLISH ALL EXISTING APPURTENANCES REQUIRED FOR PROPOSED IMPROVEMENTS.
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	7	PLACE STRAW BALE BARRIERS OR SIMILAR CHECK DAM ALONG INTERNAL ROADWAYS AND DRAINAGE SWALES.
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	11	CONSTRUCT CURB AND GUTTER, PREPARE SUBGRADE FOR PAVEMENT.
	12	CONSTRUCT GAS/ELECTRIC/CABLE/PHONE.
	13	ONCE ALL UNDERGROUND IMPROVEMENTS ARE COMPLETE, PAVE SITE.
	14	FINISH FINE GRADING AND INSTALL PERMANENT LANDSCAPING AND SEEDING.
	15	REMOVE BMP'S ONCE FINAL STABILIZATION IS ACHIEVED.

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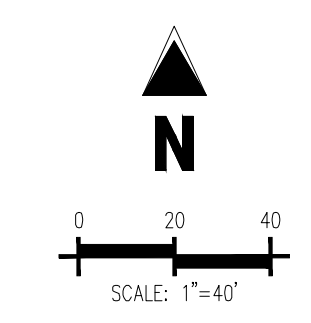
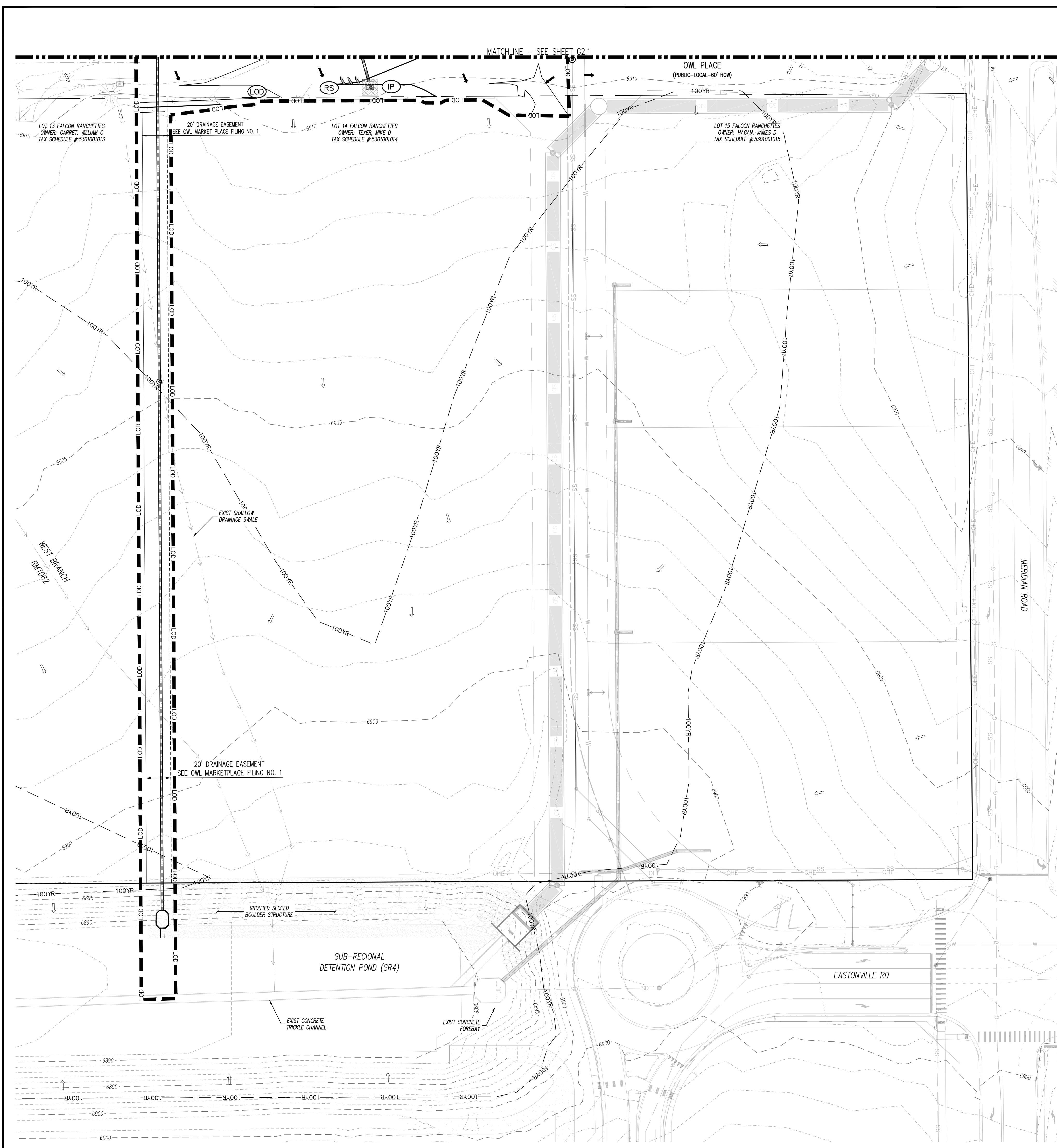
GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

INTERIM EROSION CONTROL PLAN
VR239 & PPR2336



EROSION CONTROL LEGEND

- 5460 — EXISTING MAJOR CONTOUR
- 52 — EXISTING MINOR CONTOUR
- 5465 — PROPOSED MAJOR CONTOUR
- 60 — PROPOSED MINOR CONTOUR
- FLOW ARROW
- ▨ PROPOSED GRAVEL PER EGM TABLE D-7
- LS PERMANENT LANDSCAPING SEE LANDSCAPING PLAN FOR SURFACE TREATMENT
- DS — DIVERSION SWALE
- LOD — LIMITS OF DISTURBANCE/CONSTRUCTION
- ▨ VTC VEHICLE TRACKING CONTROL
- ▭ CWA CONCRETE WASHOUT AREA
- ▨ SSA STABILIZED STAGING AREA
- ▨ SM SEED AND MULCH
- ▨ SCL SEDIMENT CONTROL LOG
- ▨ SP STOCKPILE PROTECTION
- ▨ IP INLET PROTECTION
- ▨ CIP CULVERT INLET PROTECTION
- RS ROCK SOCKS
- SF — SILT FENCE
- CF — CONSTRUCTION FENCE
- SB SEDIMENT BASIN
- CD — CHECK DAM
- RCD REINFORCED CHECK DAM
- ▨ ECB COMPOST BLANKET (APPROXIMATE)
- ▨ RR RIPRAP OUTFALL PADS
- PT — PORTABLE TOILET
- SITE — SITE POSTING (CONTACTS AND PERMITS)
- WP — WASHOUT POSTING
- ▨ SBB STRAW BALE BARRIER
- RS ROCK SOCKS
- XX EROSION MEASURE INSTALLED IN EARLIER PHASE
- XX PROPOSED EROSION MEASURE

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
- — FLOODPLAIN BOUNDARY
- — EXISTING FENCE
- X — X — X — X — PROPOSED FENCE
- X — X — X — X — EXISTING GUARDRAIL
- — PROPOSED CURB AND GUTTER
- — EXISTING CURB AND GUTTER
- — EXISTING EDGE OF ASPHALT
- ▨ PROPOSED SIDEWALK
- ▨ PROPOSED TRAIL
- ▨ PROPOSED GRAVEL PER EGM TABLE D-7
- ▨ RIPRAP OUTFALL PADS
- — EXISTING SIGN
- — PROPOSED SIGN
- — PROPOSED BOLLARDS

UTILITY LEGEND

- — EXISTING WATER LINE
- W — PROPOSED WATER LINE
- — EXISTING SANITARY SEWER
- SS — PROPOSED SANITARY SEWER
- — EXISTING STORM SEWER
- — PROPOSED STORM SEWER
- — EXISTING GAS LINE
- G — PROPOSED GAS LINE
- — EXISTING UNDERGROUND TELEPHONE
- — EXISTING OVERHEAD ELECTRIC
- — EXISTING FIBER OPTIC LINE
- — EXISTING FIBER OPTIC 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

EROSION CONTROL PHASING SCHEDULE

PHASE	SEQUENCE	DESCRIPTION
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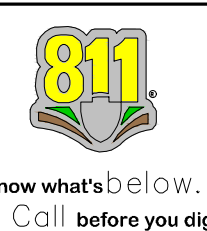
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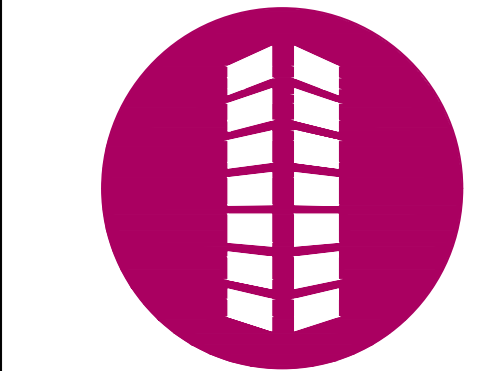
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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

#	Date	Issue / Description	Init.

Project No: MRSB01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

INTERIM EROSION CONTROL PLAN
VR239 & PPR2336



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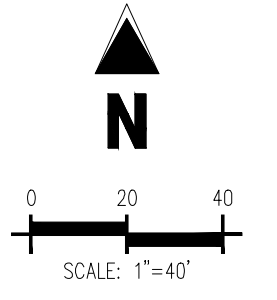
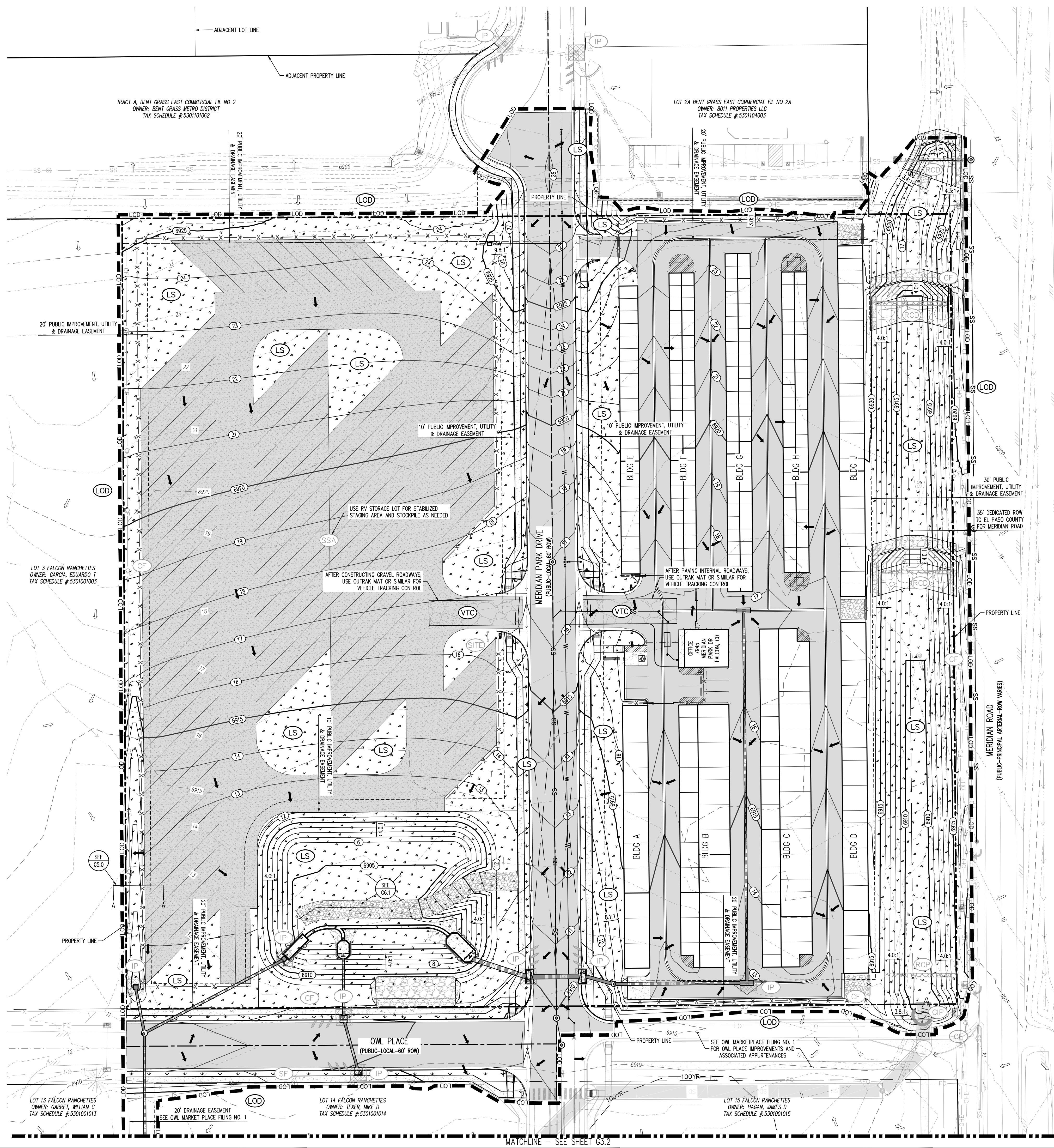
GRADING & EROSION CONTROL PLAN
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#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

FINAL EROSION CONTROL PLAN

G3.1
Sheet 7 of 24



- EROSION CONTROL LEGEND**
- 5460 EXISTING MAJOR CONTOUR
 - 52 EXISTING MINOR CONTOUR
 - 5485 PROPOSED MAJOR CONTOUR
 - 66 PROPOSED MINOR CONTOUR
 - FLOW ARROW
 - [Pattern] PROPOSED GRAVEL PER ECM TABLE D-7
 - [Pattern] PERMANENT LANDSCAPING SEE LANDSCAPING PLAN FOR SURFACE TREATMENT
 - [Pattern] DIVERSION SWALE
 - [Pattern] LOD LIMITS OF DISTURBANCE/CONSTRUCTION
 - [Pattern] VTC VEHICLE TRACKING CONTROL
 - [Pattern] CWA CONCRETE WASHOUT AREA
 - [Pattern] SSA STABILIZED STAGING AREA
 - [Pattern] SM SEED AND MULCH
 - [Pattern] SCL SEDIMENT CONTROL LOG
 - [Pattern] SP STOCKPILE PROTECTION
 - [Pattern] IP INLET PROTECTION
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 - [Pattern] RS ROCK SOCKS
 - [Pattern] SF SILT FENCE
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 - [Pattern] PT PORTABLE TOILET
 - [Pattern] SITE SITE POSTING (CONTACTS AND PERMITS)
 - [Pattern] WP WASHOUT POSTING
 - [Pattern] SBB STRAW BALE BARRIER
 - [Pattern] RS ROCK SOCKS
 - [Pattern] XX EROSION MEASURE INSTALLED IN EARLIER PHASE
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- SITE LEGEND**
- PROJECT BOUNDARY LINE
 - ADJACENT PROPERTY BOUNDARY LINE
 - RIGHT OF WAY LINE
 - EXISTING ADJACENT LOT LINE
 - EXISTING EASEMENT LINE
 - PROPOSED EASEMENT LINE
 - PROPOSED ROAD CENTERLINE
 - EXISTING ROAD CENTERLINE
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 - PROPOSED SWALE LINE
 - EXISTING SWALE LINE
 - 100YR FLOODPLAIN BOUNDARY
 - EXISTING FENCE
 - PROPOSED FENCE
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 - PROPOSED CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - EXISTING EDGE OF ASPHALT
 - PROPOSED SIDEWALK
 - PROPOSED TRAIL
 - PROPOSED GRAVEL PER ECM TABLE D-7
 - RIPRAP OUTFALL PADS
 - EXISTING SIGN
 - PROPOSED SIGN
 - PROPOSED BOLLARDS
 - PROPOSED NO PARKING STRIPING

- UTILITY LEGEND**
- W- EXISTING WATER LINE
 - W- PROPOSED WATER LINE
 - SS- EXISTING SANITARY SEWER
 - SS- PROPOSED SANITARY SEWER
 - SS- EXISTING STORM SEWER
 - SS- PROPOSED STORM SEWER
 - G- EXISTING GAS LINE
 - G- PROPOSED GAS LINE
 - UT- EXISTING UNDERGROUND TELEPHONE
 - GHE- EXISTING OVERHEAD ELECTRIC
 - FO- EXISTING FIBER OPTIC LINE
 - [Symbol] EXISTING TELEPHONE STRUCTURES
 - [Symbol] EXISTING TELEPHONE PEDESTAL
 - [Symbol] EXISTING ELECTRIC TRANSFORMER
 - [Symbol] EXISTING POWER POLE
 - [Symbol] EXISTING STREET LIGHT
 - [Symbol] PROPOSED STREET LIGHT
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 - [Symbol] EXISTING FIRE HYDRANT
 - [Symbol] PROPOSED FIRE HYDRANT
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EROSION CONTROL PHASING SCHEDULE

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	15	REMOVE BMP'S ONCE FINAL STABILIZATION IS ACHIEVED.

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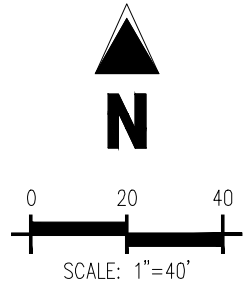
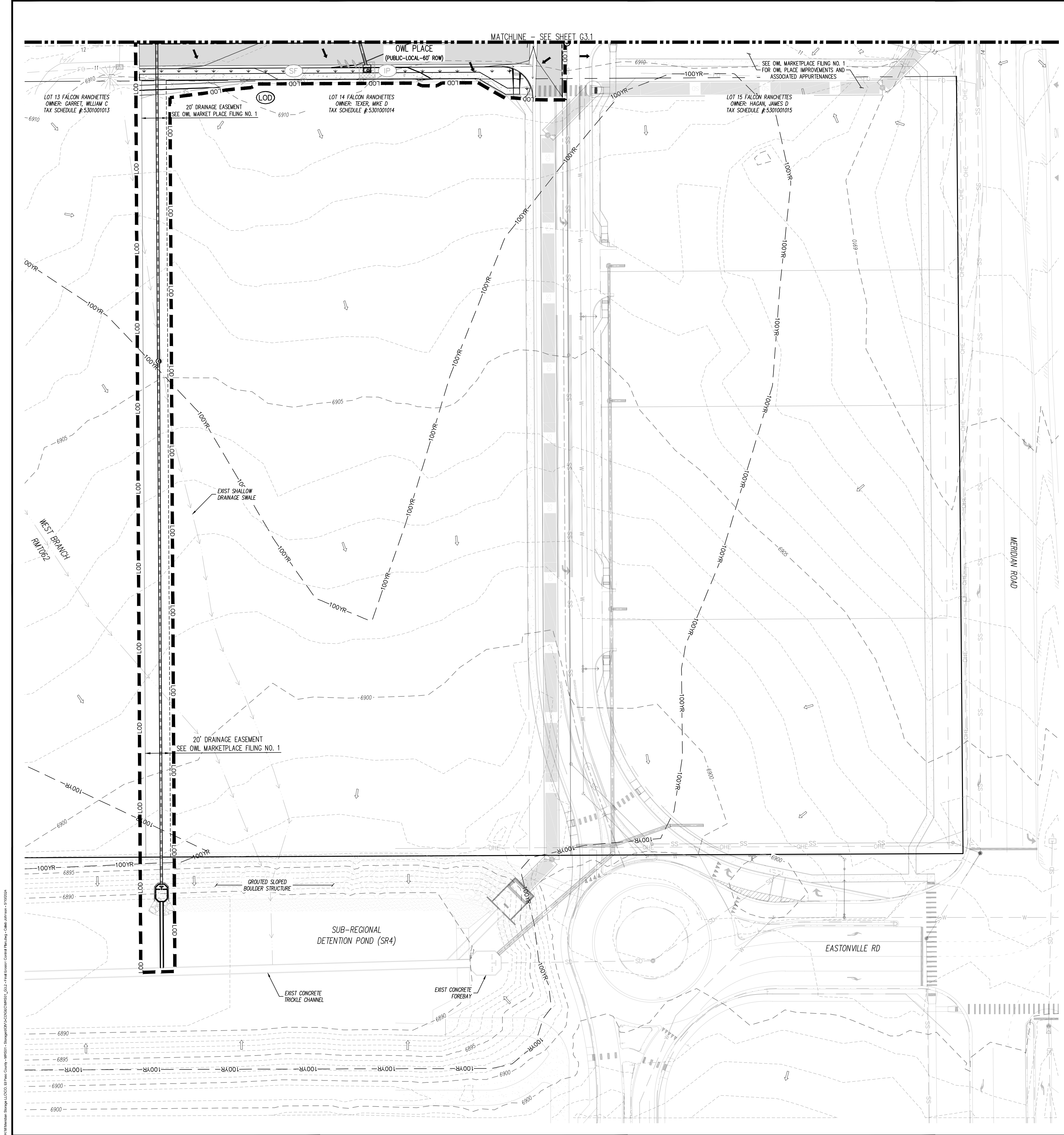
CONTRACTOR SHALL MARK THE LIMITS OF DISTURBANCE WITH PAINT, FLAGGING, CONSTRUCTION FENCE, OR OTHER ALLOWABLE MEASURES PRIOR TO INSTALLATION OF CONTROL MEASURES OR START OF CONSTRUCTION.

NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

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

MATCHLINE - SEE SHEET G3.2



- EROSION CONTROL LEGEND
- 5460 EXISTING MAJOR CONTOUR
- 52 EXISTING MINOR CONTOUR
- 5465 PROPOSED MAJOR CONTOUR
- 52 PROPOSED MINOR CONTOUR
- FLOW ARROW
- PROPOSED GRAVEL PER EGM TABLE D-7
- PERMANENT LANDSCAPING
- DIVERSION SWALE
- L.D. LIMITS OF DISTURBANCE/CONSTRUCTION
- VTC VEHICLE TRACKING CONTROL
- CWA CONCRETE WASHOUT AREA
- SSA STABILIZED STAGING AREA
- SM SEED AND MULCH
- SP STOCKPILE PROTECTION
- IP INLET PROTECTION
- CIP CULVERT INLET PROTECTION
- RS ROCK SOCKS
- SF SILT FENCE
- CF CONSTRUCTION FENCE
- SB SEDIMENT BASIN
- CD CHECK DAM
- RCD REINFORCED CHECK DAM
- ECB COMPOST BLANKET (APPROXIMATE)
- RR RIPRAP OUTFALL PADS
- PT PORTABLE TOILET
- SITE SITE POSTING (CONTACTS AND PERMITS)
- WP WASHOUT POSTING
- SBB STRAW BALE BARRIER
- RS ROCK SOCKS
- XX EROSION MEASURE INSTALLED IN EARLIER PHASE
- XX PROPOSED EROSION MEASURE

- 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
- 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 EGM TABLE D-7
- RIPRAP OUTFALL PADS
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS
- PROPOSED NO PARKING STRIPING

- 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 FIBER OPTIC 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

EROSION CONTROL PHASING SCHEDULE
PHASE SEQUENCE DESCRIPTION
INITIAL 1 INSTALL PERIMETER SILT FENCE AND SEDIMENT CONTROL LOG.
INITIAL 2 INSTALL INLET PROTECTION ON ALL ADJACENT EXISTING INLETS.
INITIAL 3 INSTALL VEHICLE TRACKING CONTROL AND PREPARE STABILIZED STAGING AREA.
INTERM 4 DEMOLISH ALL EXISTING APPURTENANCES REQUIRED FOR PROPOSED IMPROVEMENTS.
INTERM 5 SITE CLEARING, GRUBBING, AND TOPSOIL STOCK PILING.
INTERM 6 BEGIN ROUGH GRADING THE SITE.
INTERM 7 PLACE STRAW BALE BARRIERS OR SIMILAR CHECK DAM ALONG INTERNAL ROADWAYS AND DRAINAGE SWALES.
INTERM 8 CONSTRUCT UNDERGROUND WATER, WASTEWATER, AND STORM DRAIN.
INTERM 9 INSTALL INLET PROTECTION ON ALL PROPOSED STORM DRAIN INLETS.
FINAL 10 CONVERT EXISTING SEDIMENT BASIN TO PROPOSED FULL SPECTRUM EXTENDED DETENTION BASIN W/ ALL ASSOCIATED APPURTENANCES.
FINAL 11 CONSTRUCT CURB AND GUTTER, PREPARE SUBGRADE FOR PAVEMENT.
FINAL 12 CONSTRUCT GAS/ELECTRIC/CABLE/PHONE.
FINAL 13 ONCE ALL UNDERGROUND IMPROVEMENTS ARE COMPLETE, PAVE SITE.
FINAL 14 FINISH FINE GRADING AND INSTALL PERMANENT LANDSCAPING AND SEEDING.
FINAL 15 REMOVE BMP'S ONCE FINAL STABILIZATION IS ACHIEVED.

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

Revision table with columns: #, Date, Issue / Description, Init.
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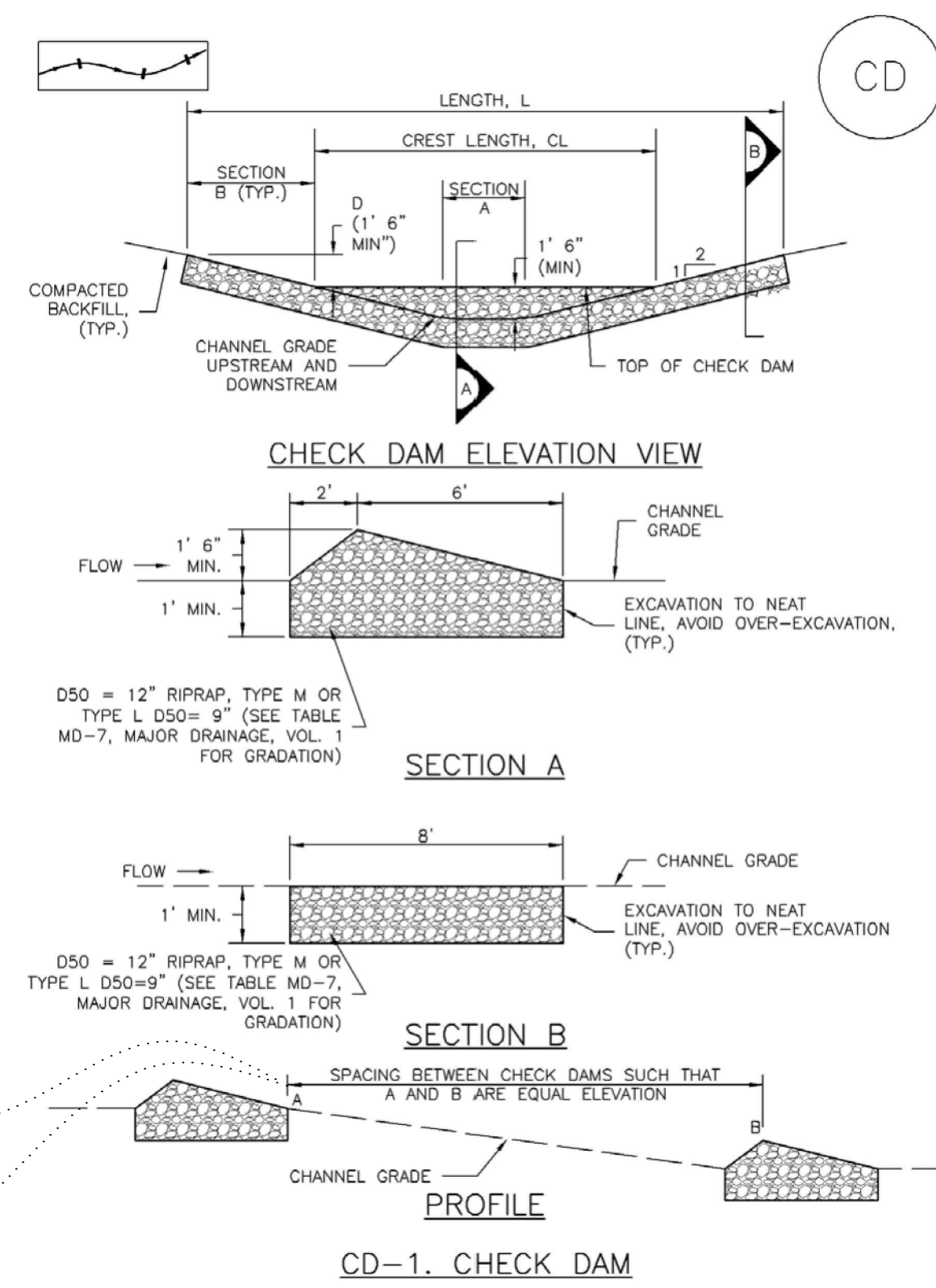
Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

FINAL EROSION CONTROL PLAN

G3.2
Sheet 8 of 24

Check Dams (CD)

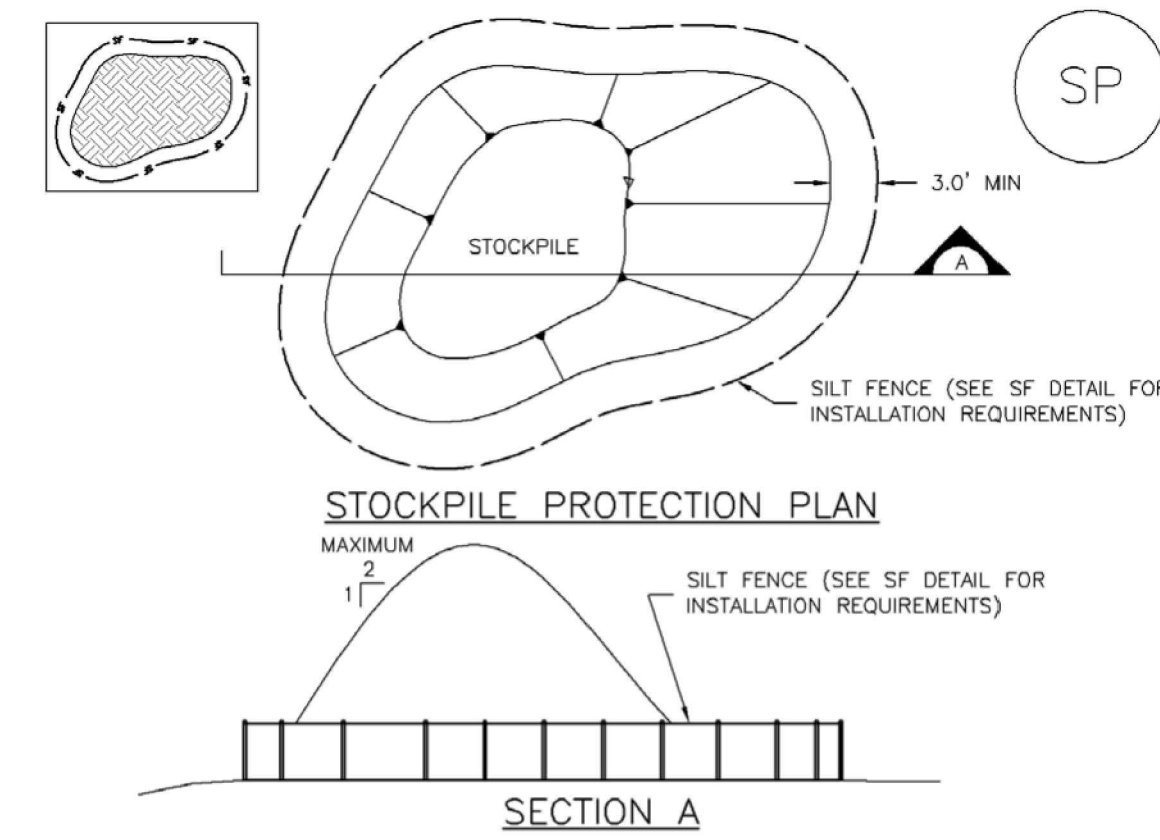
EC-12



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CD-3

Stockpile Management (SP)

MM-2



SP-1. STOCKPILE PROTECTION
STOCKPILE PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 -LOCATION OF STOCKPILES.
 -TYPE OF STOCKPILE PROTECTION.
- INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
- STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
- FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADEMENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SP-3

EC-12

Check Dams (CD)

CHECK DAM INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 -LOCATION OF CHECK DAMS.
 -CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 -LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
- CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
- RIPRAP UTILIZED FOR CHECK DAMS SHOULD BE OF APPROPRIATE SIZE FOR THE APPLICATION. TYPICAL TYPES OF RIPRAP USED FOR CHECK DAMS ARE TYPE M (D50 12") OR TYPE L (D50 9").
- RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
- THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1' 6" HIGHER THAN THE CENTER OF THE CHECK DAM.

CHECK DAM MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF THE CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
- CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL. DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CD-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

MM-2

Stockpile Management (SM)

STOCKPILE PROTECTION MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

STOCKPILE PROTECTION MAINTENANCE NOTES

- IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
- STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

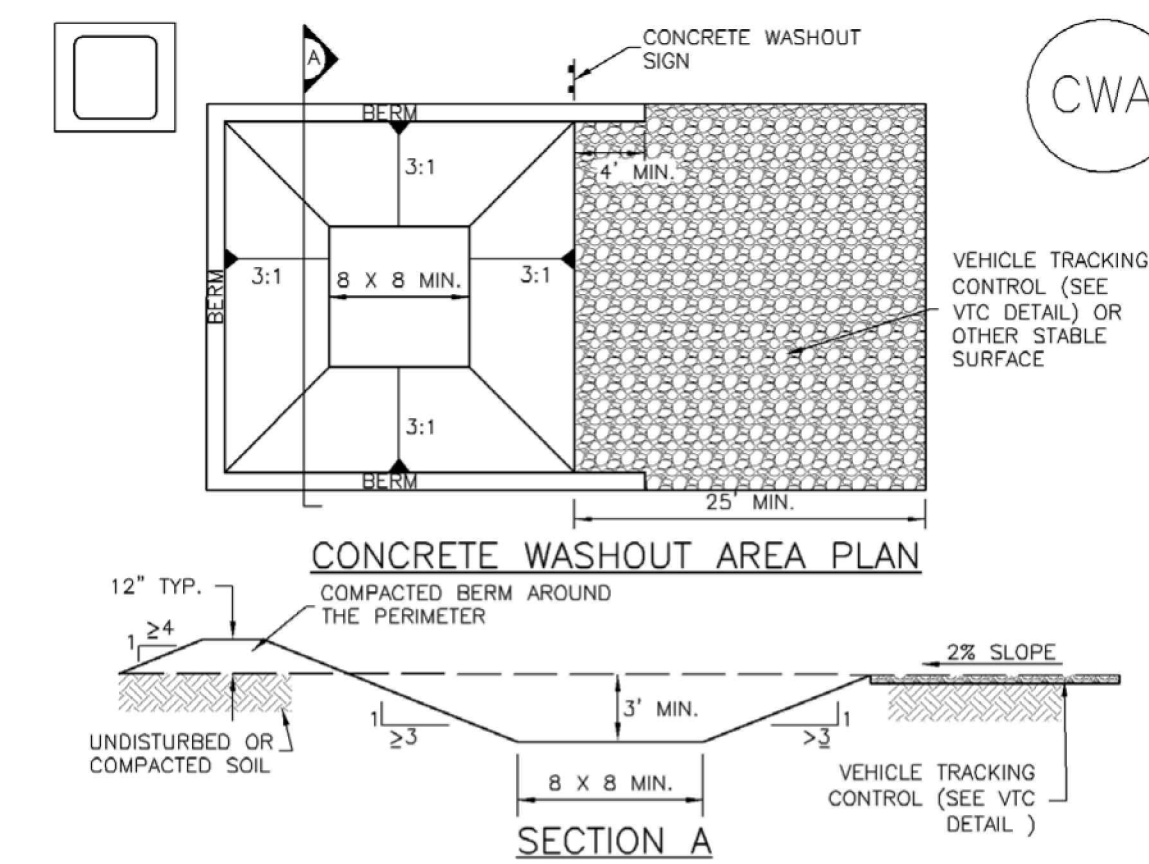
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SP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Concrete Washout Area (CWA)

MM-1



CWA-1. CONCRETE WASHOUT AREA
CWA INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 -CWA INSTALLATION LOCATION.
- DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (1/8" MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
- THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
- CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
- BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
- VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
- SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
- USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA-3 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

MM-1

Concrete Washout Area (CWA)

CWA MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
- CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
- THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

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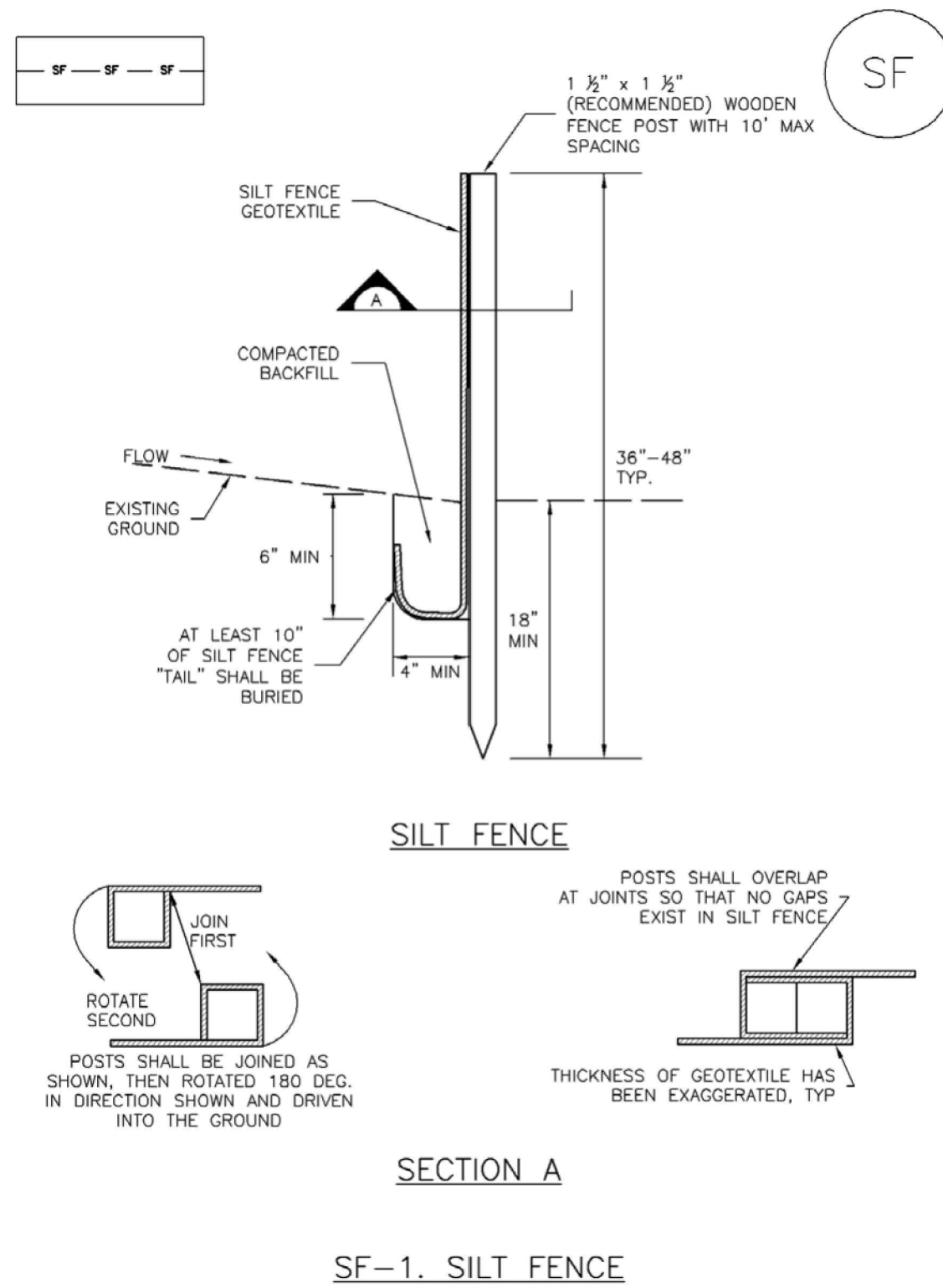
Project No: MRS01
 Drawn By: JDM, BLB
 Checked By: BAS, CMWJ
 Date: 05/06/2024

EROSION CONTROL DETAILS

VR239 & PPR2336

Silt Fence (SF)

SC-1



SILT FENCE

SECTION A

SF-1. SILT FENCE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

SC-1

Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

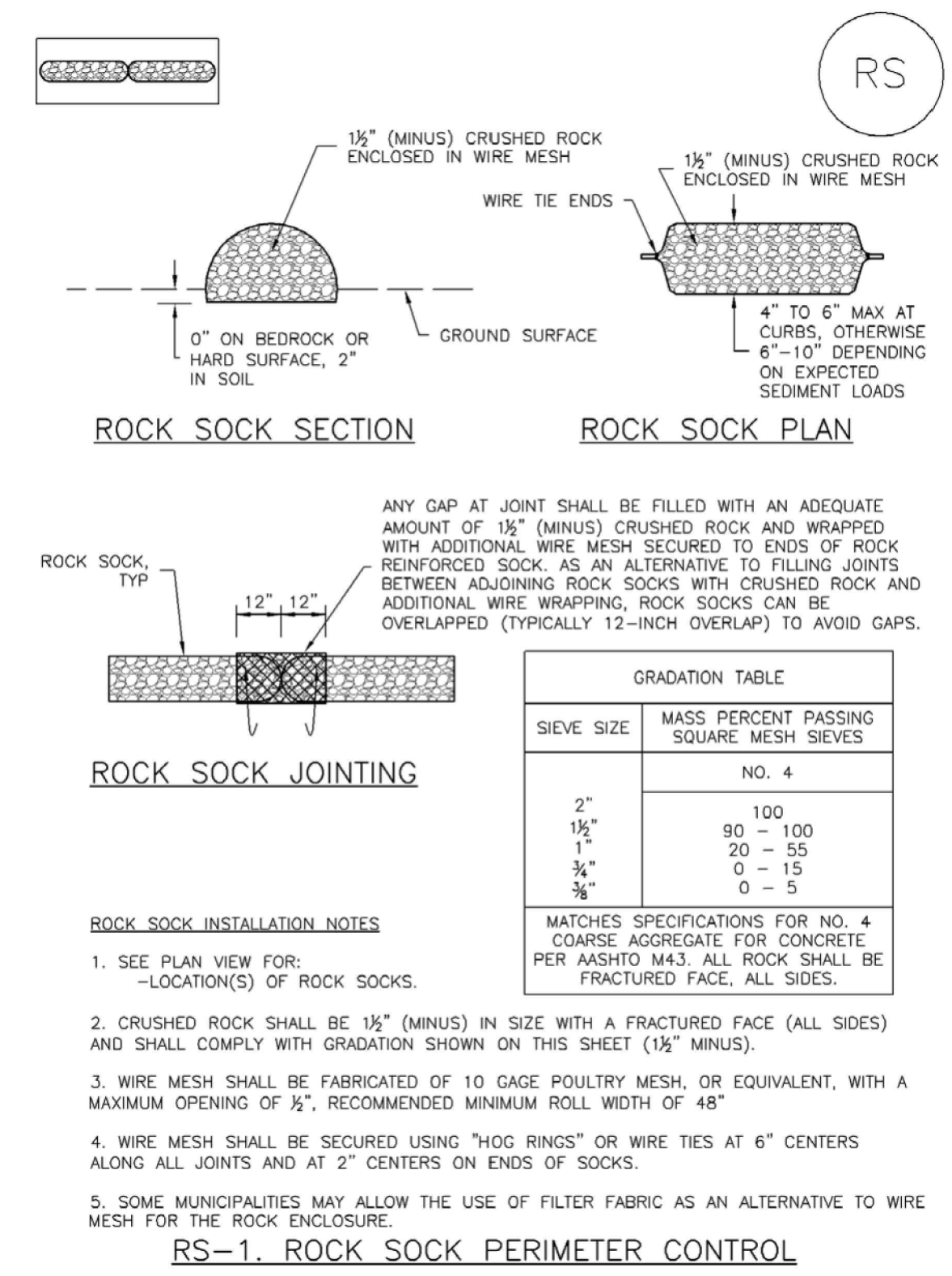
SILT FENCE MAINTENANCE NOTES

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 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
 5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
 6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
 7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)
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SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

SC-5

Rock Sock (RS)



ROCK SOCK SECTION

ROCK SOCK PLAN

ROCK SOCK JOINTING

ROCK SOCK PERIMETER CONTROL

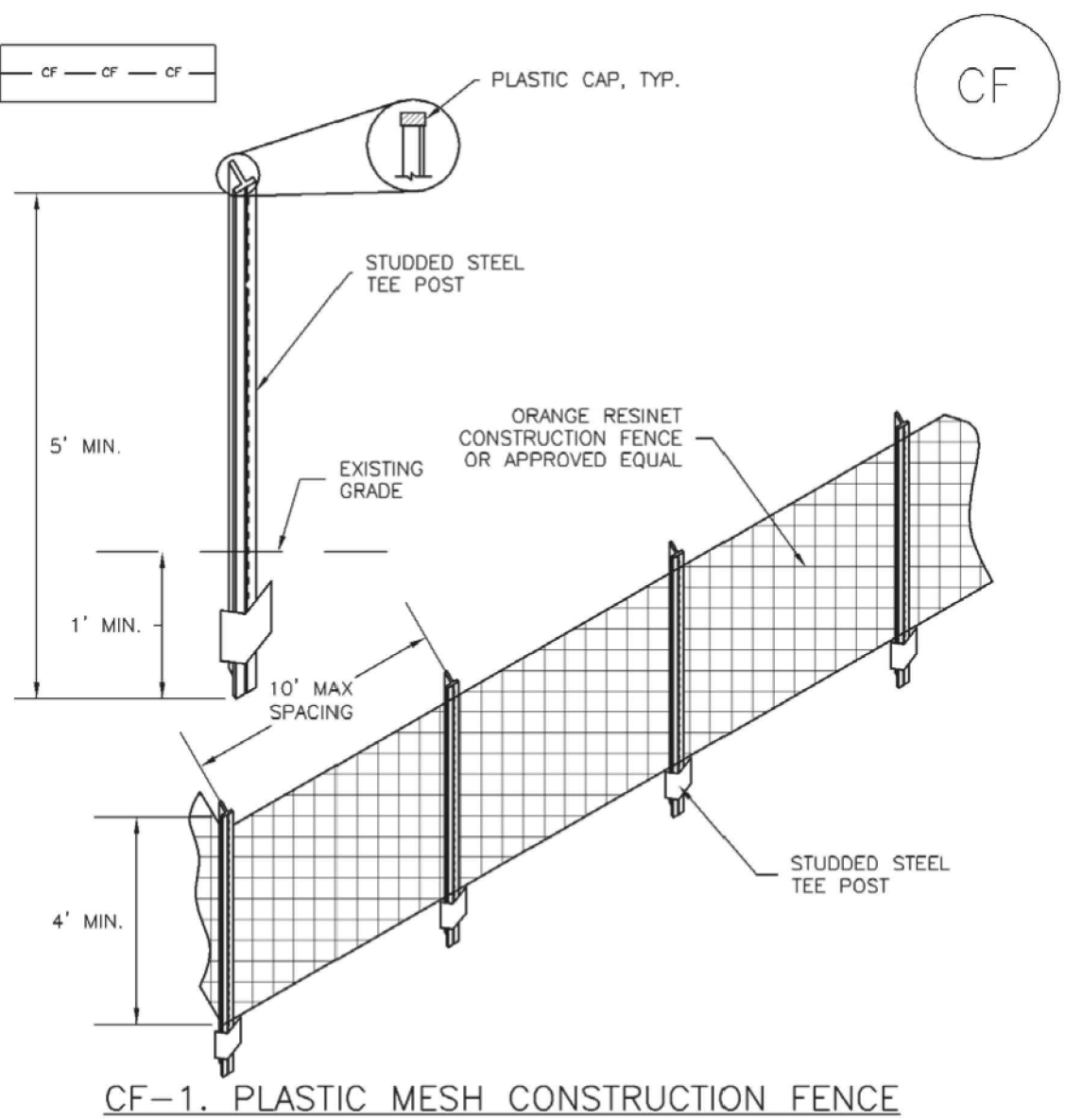
ROCK SOCK INSTALLATION NOTES

1. SEE PLAN VIEW FOR: -LOCATION(S) OF ROCK SOCKS.
2. CRUSHED ROCK SHALL BE 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1/2" MINUS).
3. WIRE MESH SHALL BE FABRICATED OF 10 GAGE POULTRY MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF 1/2", RECOMMENDED MINIMUM ROLL WIDTH OF 48"
4. WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
5. SOME MUNICIPALITIES MAY ALLOW THE USE OF FILTER FABRIC AS AN ALTERNATIVE TO WIRE MESH FOR THE ROCK ENCLASURE.

RS-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

SM-3

Construction Fence (CF)



CF-1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR: -LOCATION OF CONSTRUCTION FENCE.
2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR-GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.
4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.
5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

CF-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Construction Fence (CF)

SM-3

CONSTRUCTION FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CF-3 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Rock Sock (RS)

SC-5

ROCK SOCK MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 4. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, OR DAMAGED BEYOND REPAIR.
 5. SEDIMENT ACCUMULATED UPSTREAM OF ROCK SOCKS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE ROCK SOCK.
 6. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 7. WHEN ROCK SOCKS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF ROCK SOCK INSTALLATION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY OTHER SIMILAR PROPRIETARY PRODUCTS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY PROTECTION PRODUCTS; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

RS-3 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010



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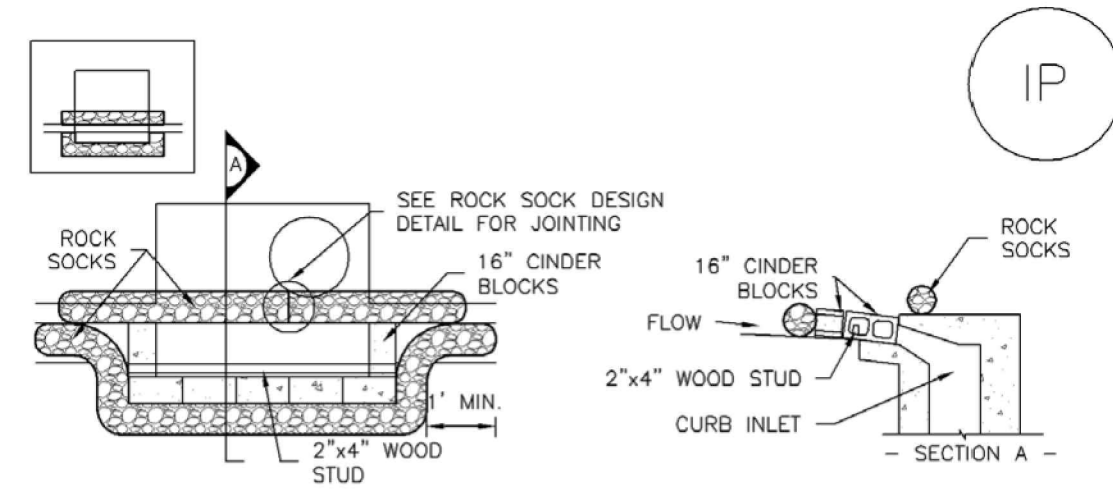
GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

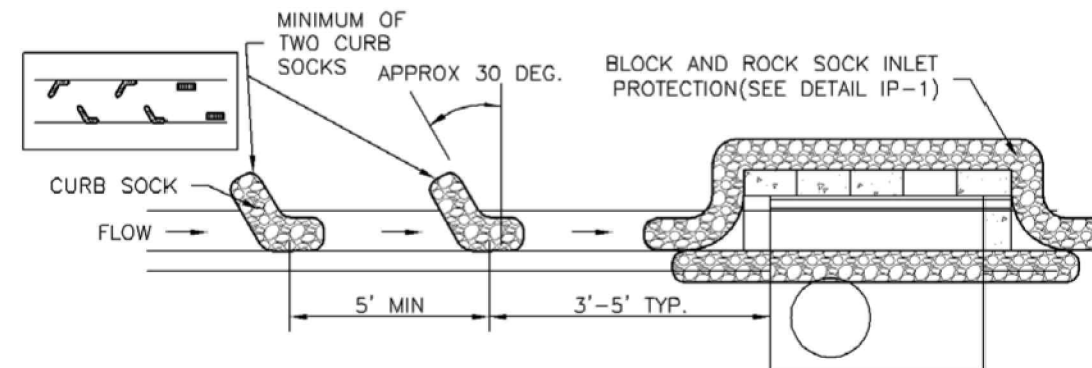
EROSION CONTROL
DETAILS
VR239 & PPR2336



IP-1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

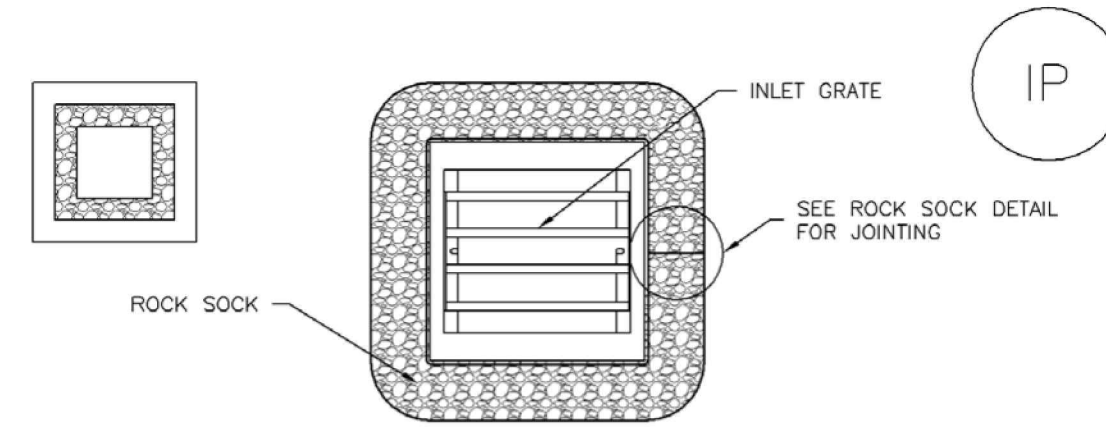
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.
3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



IP-2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

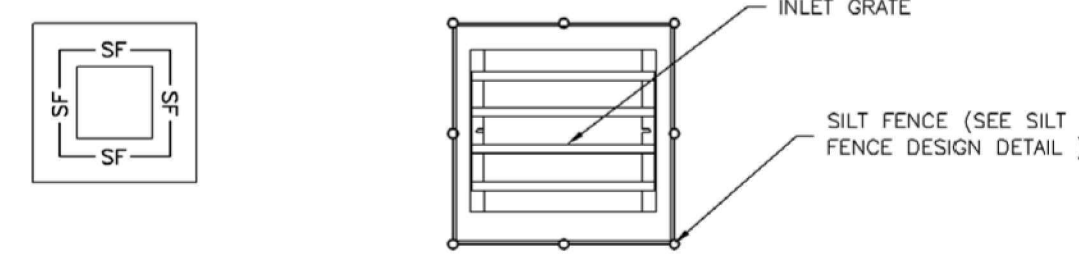
1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.
2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.
3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS.



IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.
3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF INLET PROTECTION.
 - TYPE OF INLET PROTECTION (IP.1, IP.2, IP.3, IP.4, IP.5, IP.6)
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.
3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

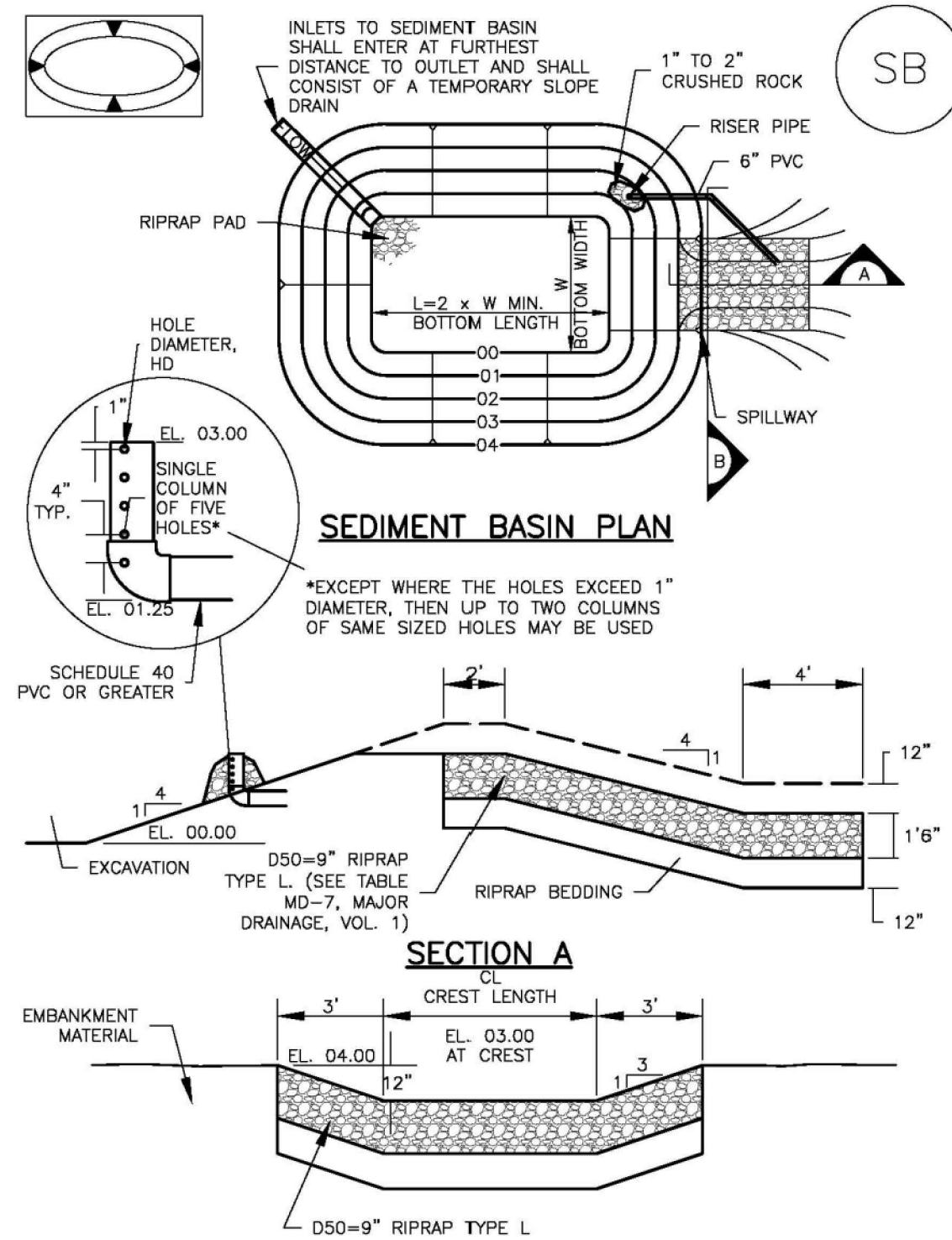
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 1/4 OF THE HEIGHT FOR STRAW BALES.
5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.
6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.



SEDIMENT BASIN PLAN

*EXCEPT WHERE THE HOLES EXCEED 1" DIAMETER, THEN UP TO TWO COLUMNS OF SAME SIZED HOLES MAY BE USED

SECTION A

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 1/2	2	9/32
2	21	3	15/16
3	28	5	1/2
4	33 1/2	6	5/8
5	38 1/2	8	3/4
6	43	9	7/8
7	47 1/4	11	1
8	51	12	1 1/8
9	55	13	1 1/4
10	58 1/4	15	1 3/8
12	64	18	1 1/2
13	67 1/2	19	1 5/8
14	70 1/2	21	1 3/4
15	73 1/4	22	1 7/8

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON BASINS AS A STORMWATER CONTROL.
4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
6. PIPE SCH 40 OR GREATER SHALL BE USED.
7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SEDIMENT BASIN MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

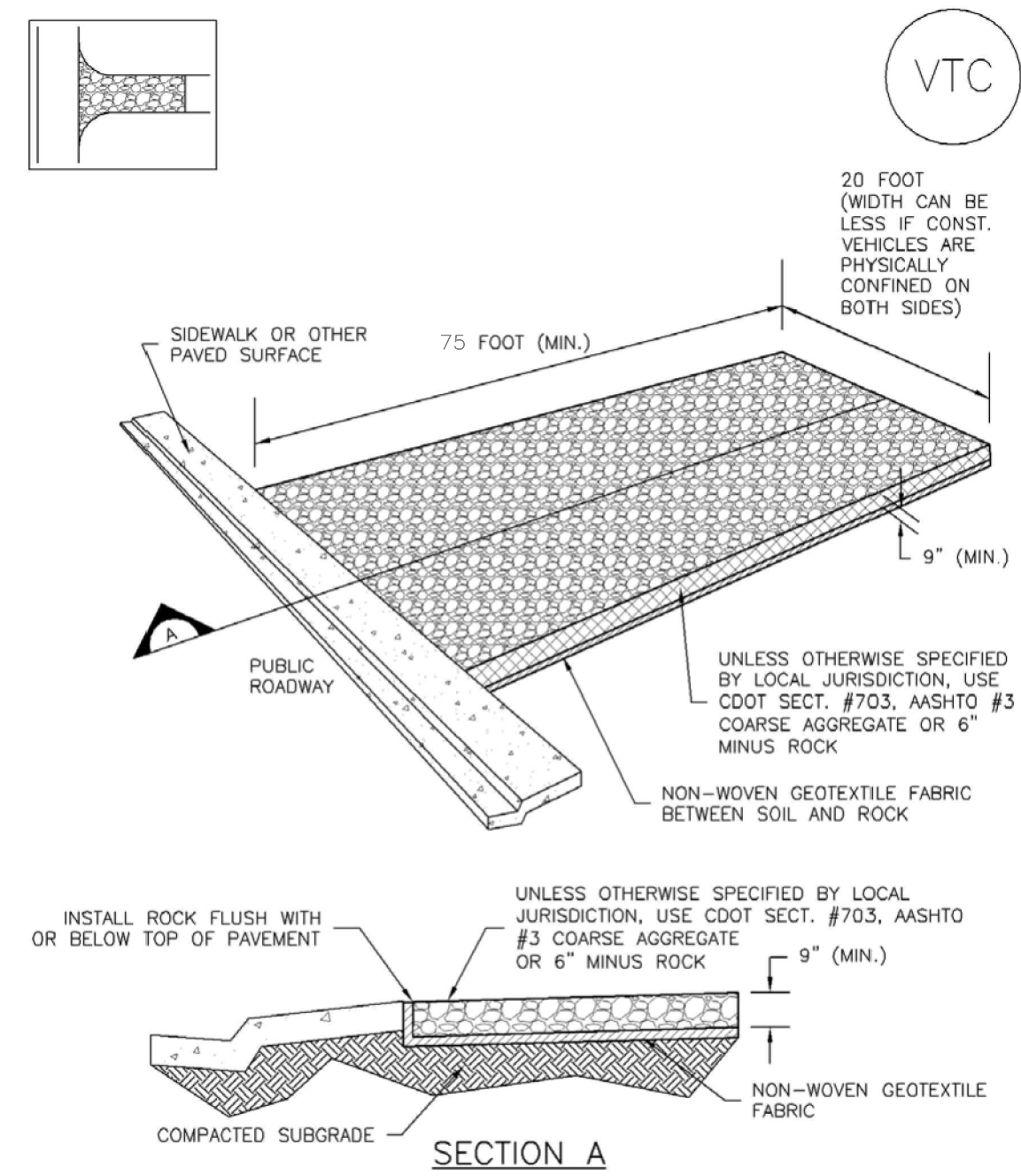
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Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

EROSION CONTROL DETAILS

VR239 & PPR2336

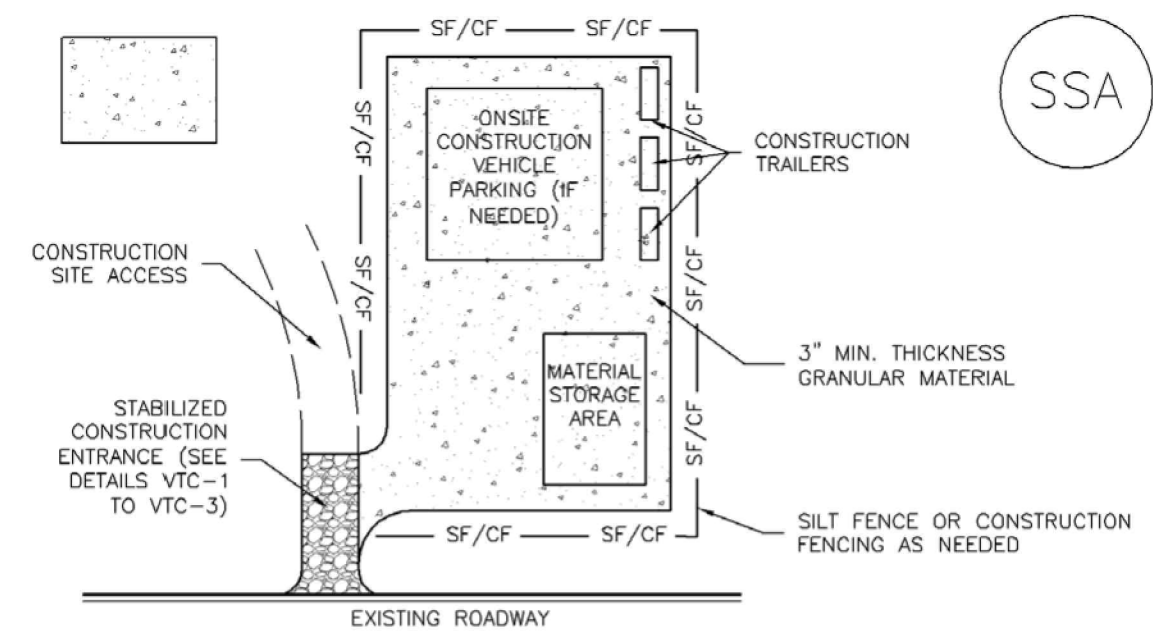
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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Stabilized Staging Area (SSA) SM-6

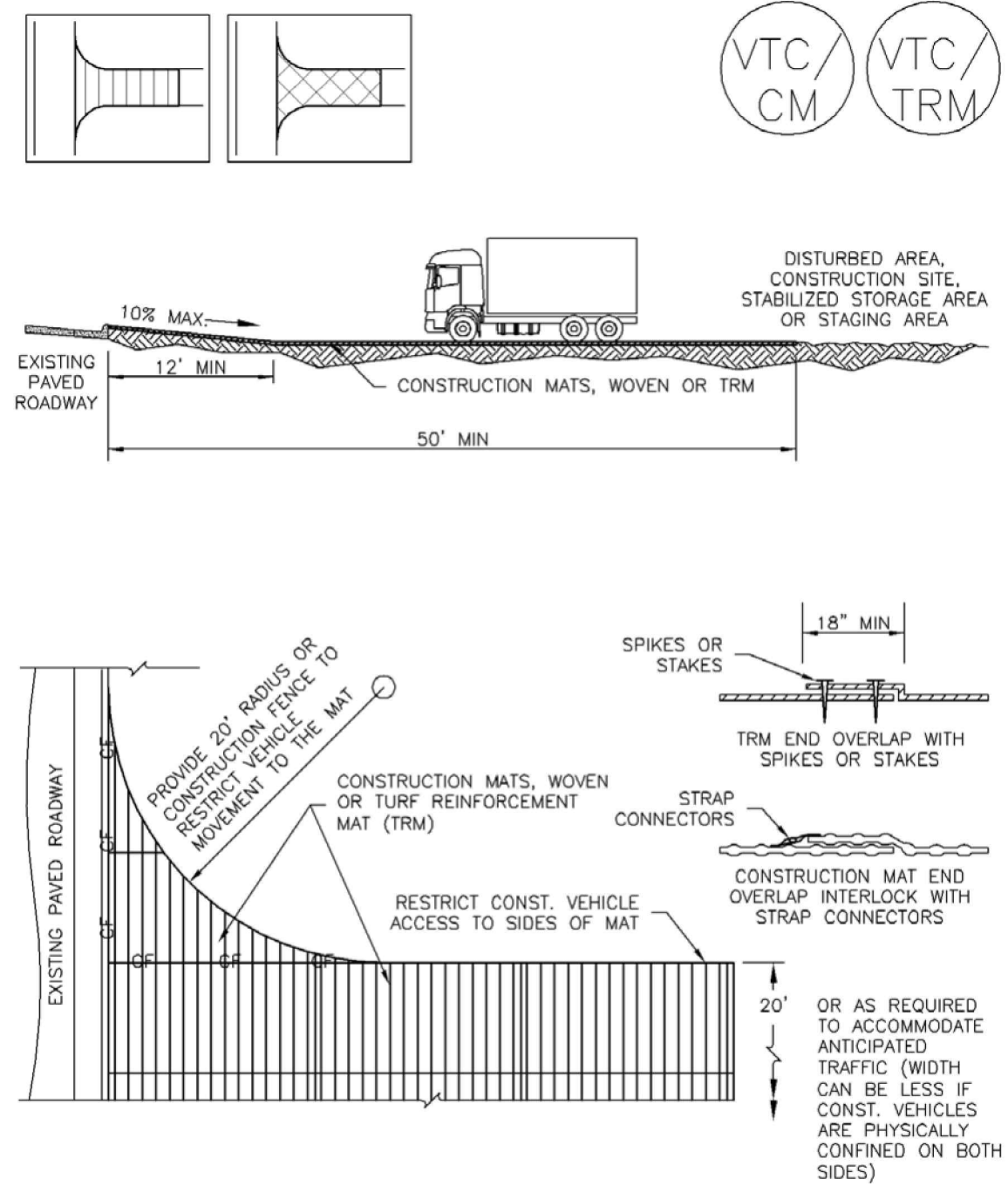


SSA-1. STABILIZED STAGING AREA

- STABILIZED STAGING AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR
 - LOCATION OF STAGING AREA(S).
 - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 - STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 - STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 - THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
 - ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING AS NEEDED.
- STABILIZED STAGING AREA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-3

Vehicle Tracking Control (VTC) SM-4



VTC-3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-5

Stabilized Staging Area (SSA) SM-6

- STABILIZED STAGING AREA MAINTENANCE NOTES**
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE:** MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

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Vehicle Tracking Control (VTC) SM-4

- STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES**
- SEE PLAN VIEW FOR
 - LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
 - TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
 - CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
 - A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
 - STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
 - A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
 - SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

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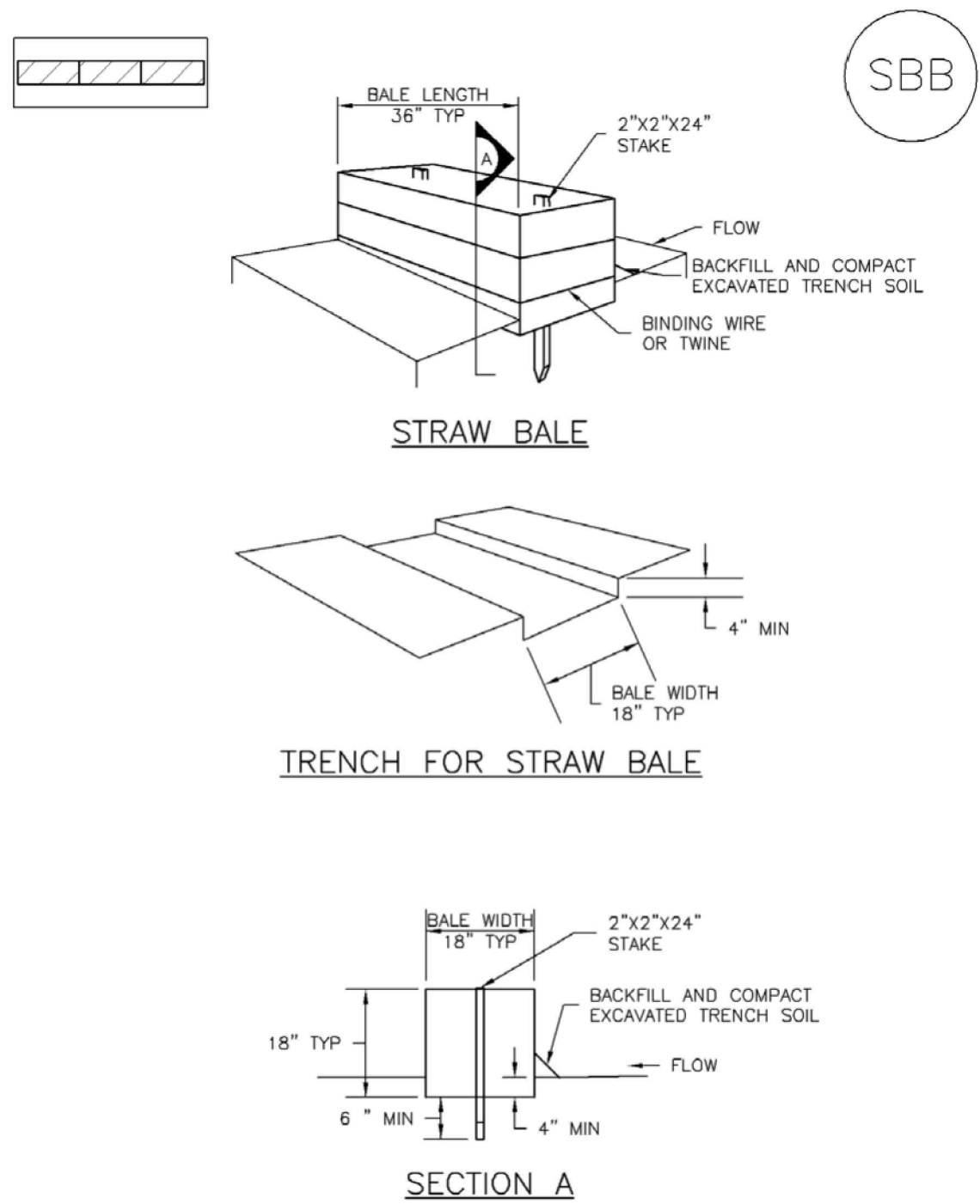
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EROSION CONTROL DETAILS
 VR239 & PPR2336

SC-3

Straw Bale Barrier (SBB)



SBB-1. STRAW BALE

SBB-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Straw Bale Barrier (SBB)

SC-3

STRAW BALE INSTALLATION NOTES

- SEE PLAN VIEW FOR: -LOCATION(S) OF STRAW BALES.
- STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.
- STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.
- WHEN STRAW BALES ARE USED IN SERIES AS A BARRIER, THE END OF EACH BALE SHALL BE TIGHTLY ABUTTING ONE ANOTHER.
- STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"x18"x18".
- A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE PLACED SO THAT BINDING TWINE IS ENCOMPASSING THE VERTICAL SIDES OF THE BALE(S). ALL EXCAVATED SOIL SHALL BE PLACED ON THE UPHILL SIDE OF THE STRAW BALE(S) AND COMPACTED.
- TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE 2"x2"x24". WOODEN STAKES SHALL BE DRIVEN 6" INTO THE GROUND.

STRAW BALE MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR DAMAGED BEYOND REPAIR.
- SEDIMENT ACCUMULATED UPSTREAM OF STRAW BALE BARRIER SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE STRAW BALE BARRIER.
- STRAW BALES ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- WHEN STRAW BALES ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

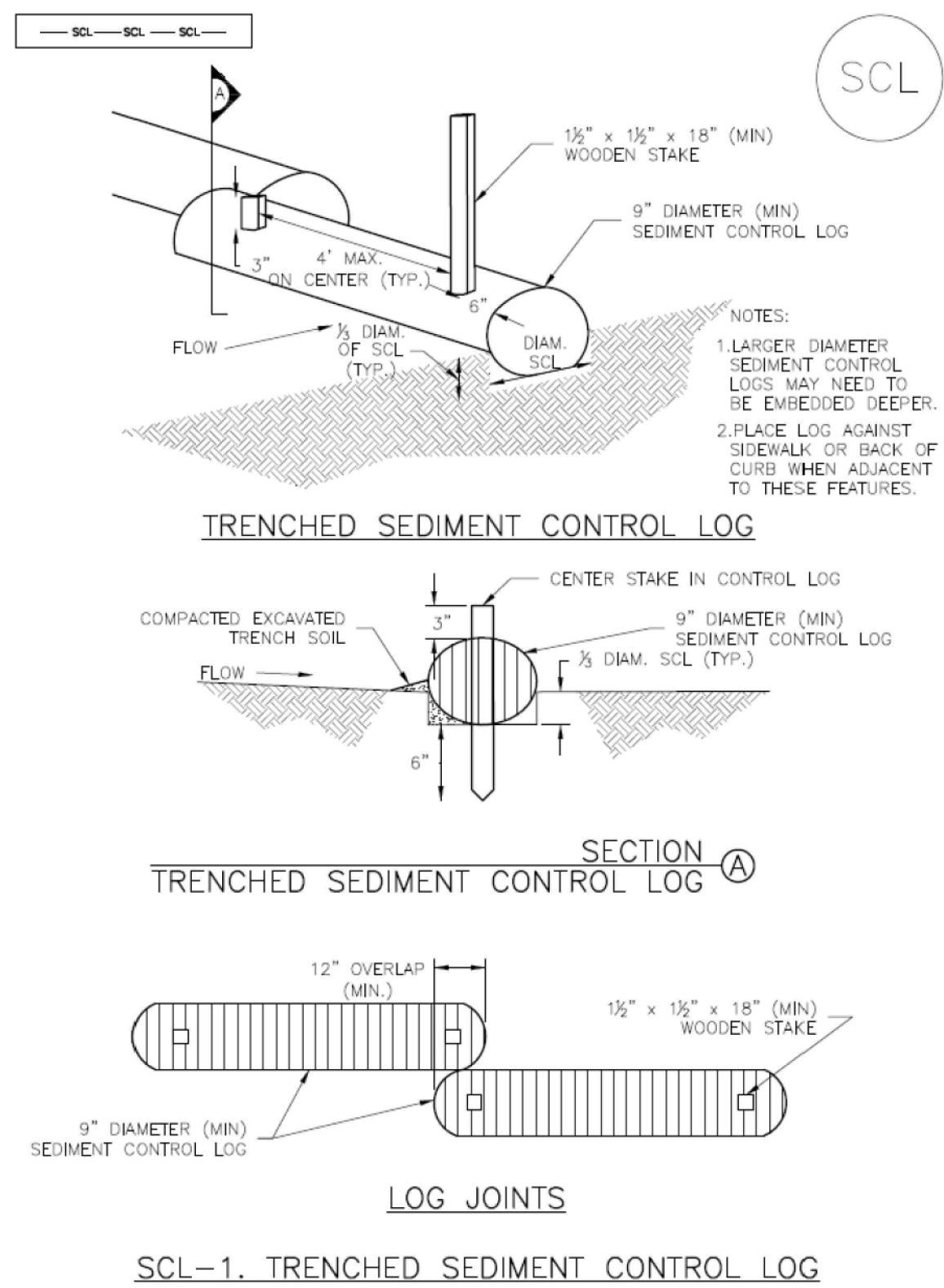
(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SBB-3

Sediment Control Log (SCL)

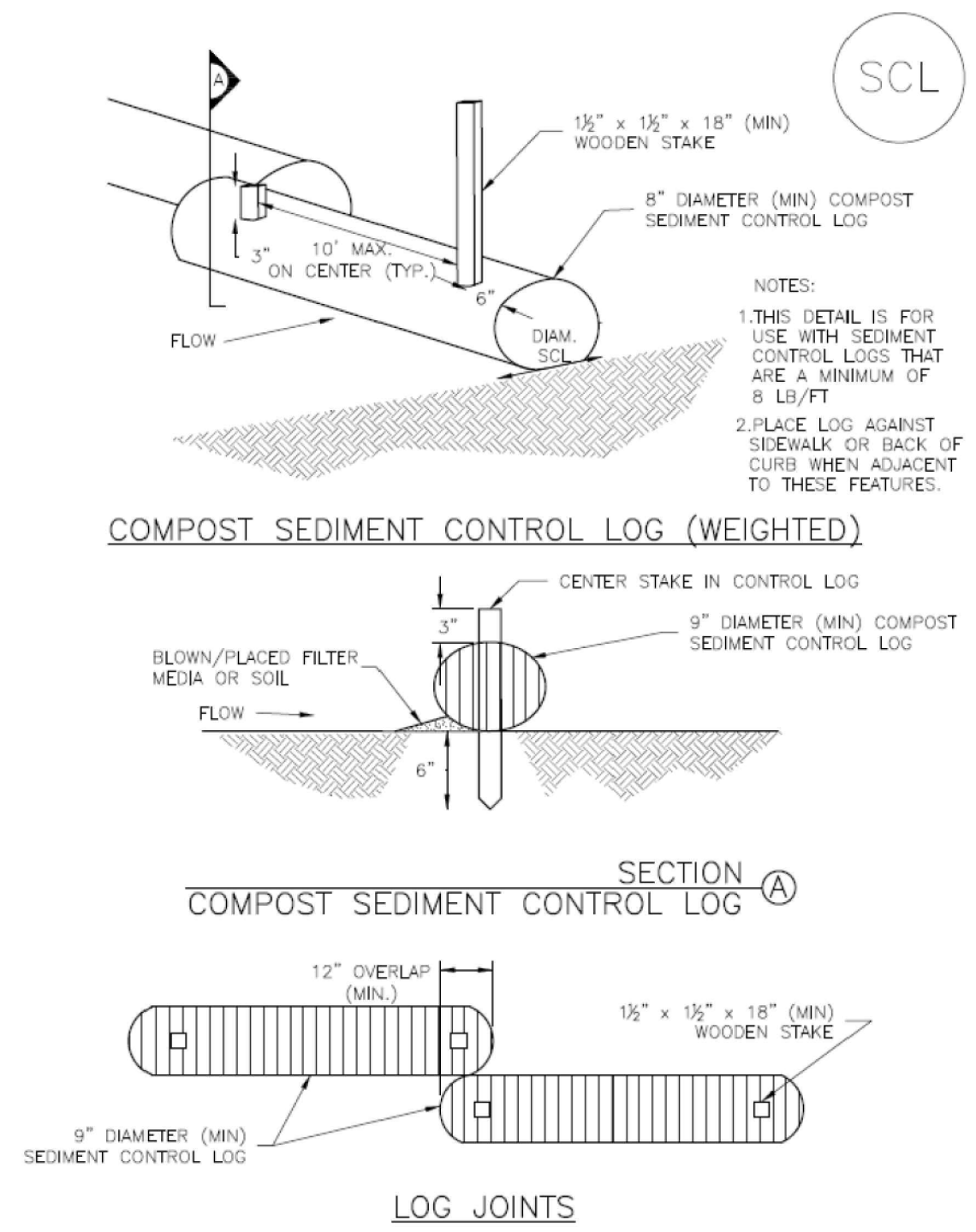
SC-2



November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

SC-2

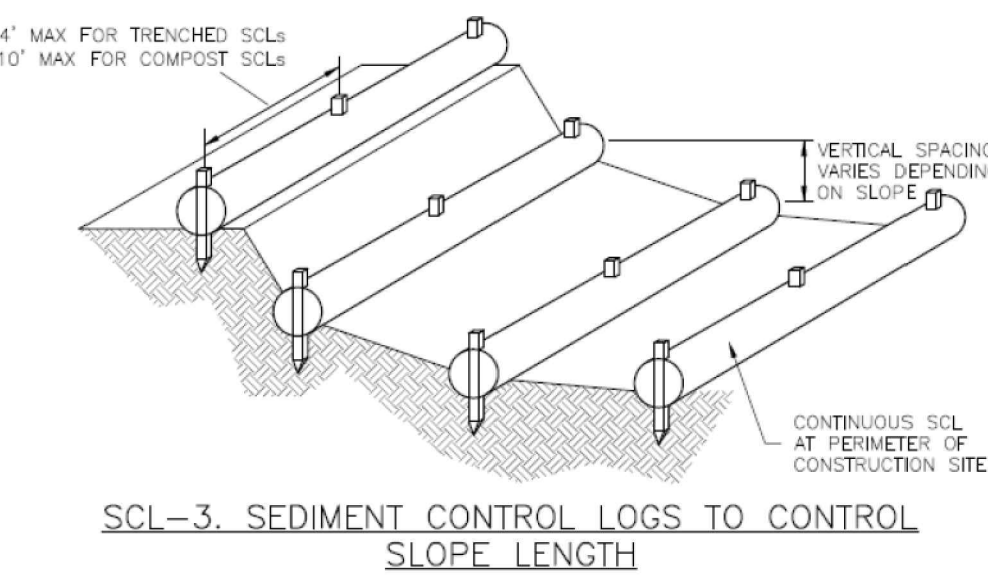
Sediment Control Log (SCL)



SCL-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2015

Sediment Control Log (SCL)

SC-2



November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-5

SC-2

Sediment Control Log (SCL)

SEDIMENT CONTROL LOG INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
- SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADE/GRADING/EROSION CONTROL ACTIVITIES.
- SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
- SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.
- IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY 1/3 OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.
- THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.
- FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
- SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SCL-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2015



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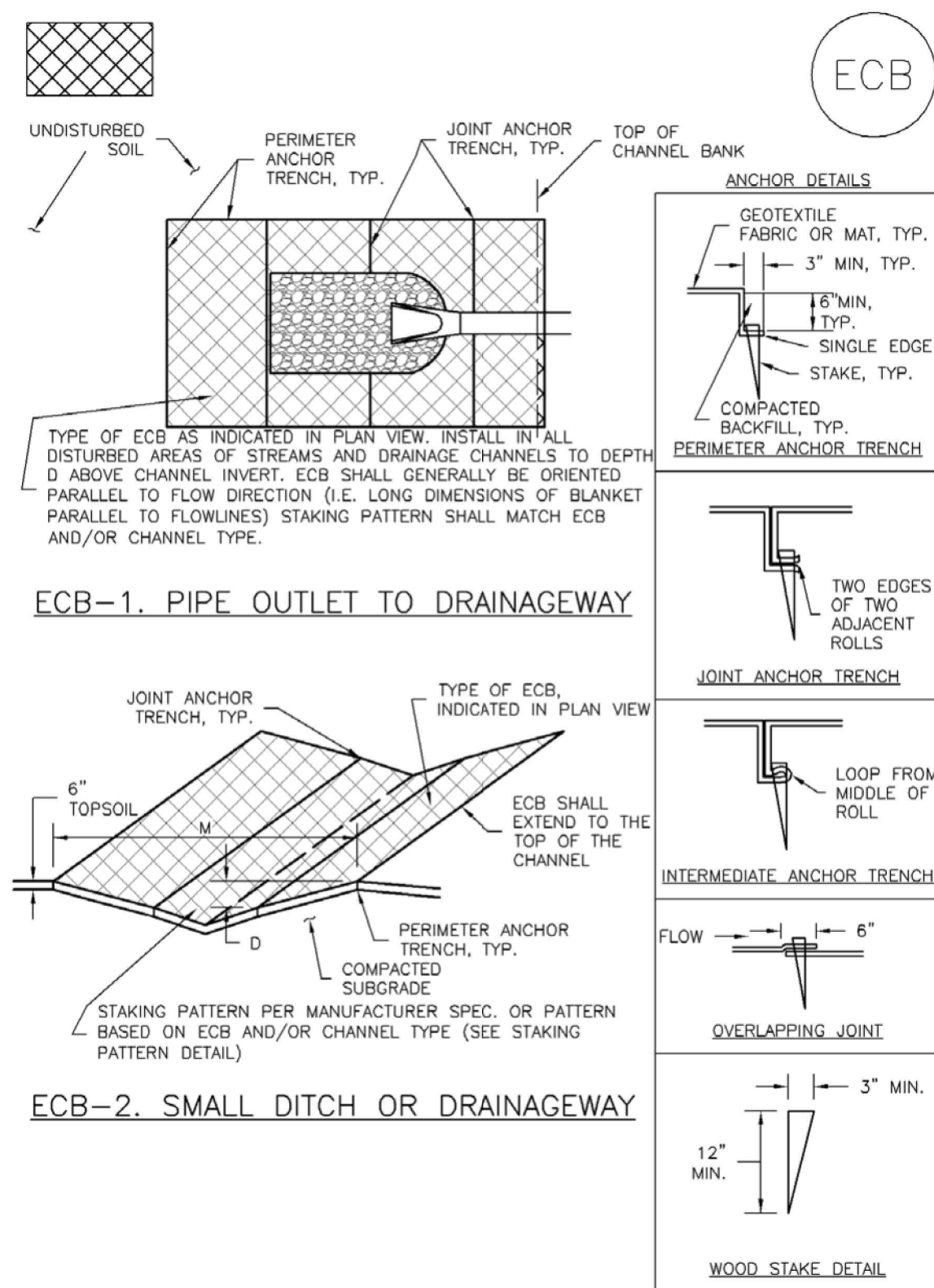


#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM, BLB
 Checked By: BAS, CMWJ
 Date: 05/06/2024

EROSION CONTROL DETAILS
VR239 & PPR2336

REC-6 Rolled Erosion Control Products (RECP) EC-6



REC-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Rolled Erosion Control Products (RECP) EC-6

EROSION CONTROL BLANKET MAINTENANCE NOTES

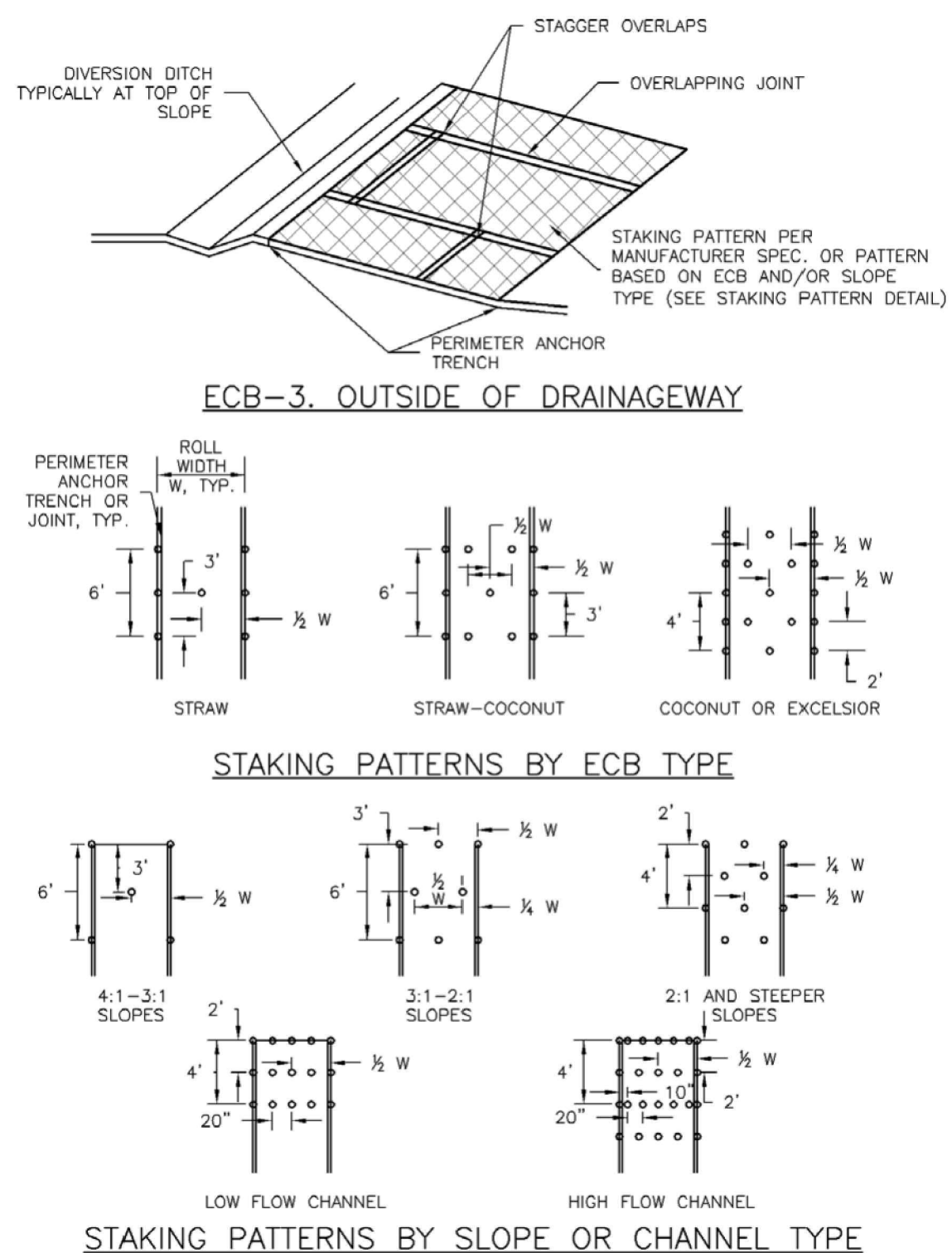
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
- ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

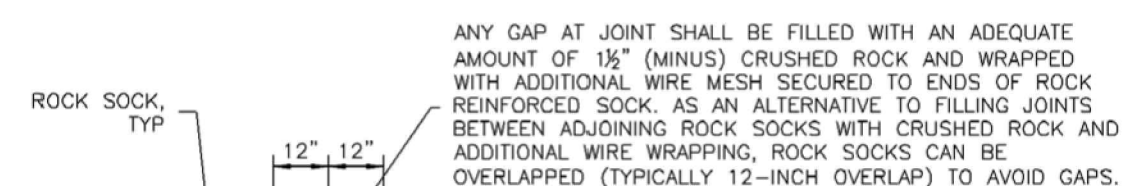
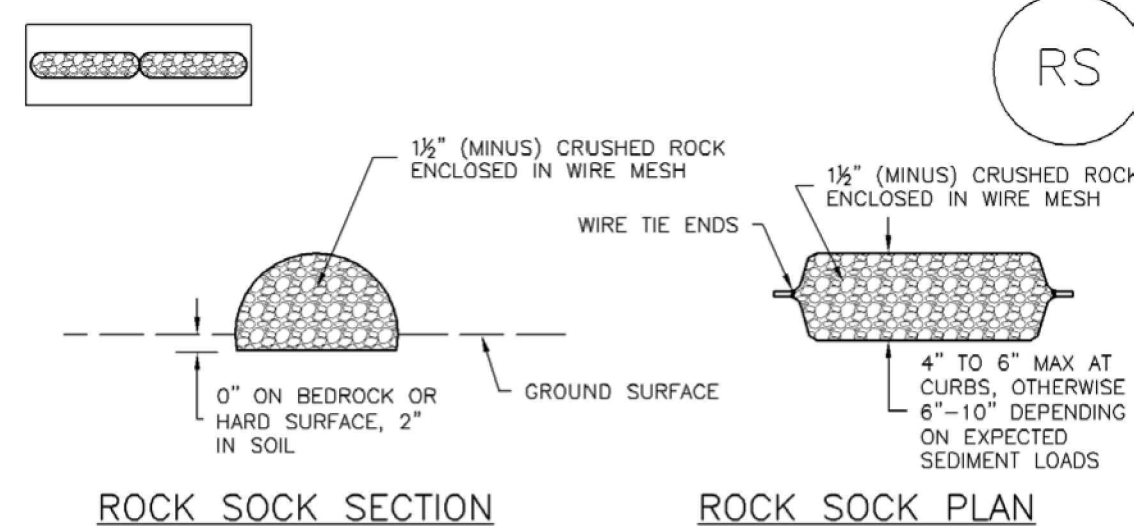
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 REC-9

Rolled Erosion Control Products (RECP) EC-6



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 REC-7

SC-5 Rock Sock (RS) EC-6



GRADATION TABLE	
SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
	NO. 4
2"	100
1 1/2"	90 - 100
1"	20 - 55
3/4"	0 - 15
3/8"	0 - 5

- ROCK SOCK INSTALLATION NOTES**
- SEE PLAN VIEW FOR: -LOCATION(S) OF ROCK SOCKS.
 - CRUSHED ROCK SHALL BE 1 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1 1/2" MINUS).
 - WIRE MESH SHALL BE FABRICATED OF 10 GAGE POLYUREA MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF 1/2", RECOMMENDED MINIMUM ROLL WIDTH OF 48"
 - WIRE MESH SHALL BE SECURED USING "HOC" RINGS OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
 - SOME MUNICIPALITIES MAY ALLOW THE USE OF FILTER FABRIC AS AN ALTERNATIVE TO WIRE MESH FOR THE ROCK ENCLOSURE.

RS-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

REC-6 Rolled Erosion Control Products (RECP) EC-6

EROSION CONTROL BLANKET INSTALLATION NOTES

- SEE PLAN VIEW FOR: -LOCATION OF ECB -TYPE OF ECB (STRAW, STRAW-COCONUT, COCONUT, OR EXCELSIOR) -AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.
- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
- IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
- MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEDED AND MULCHED.
- DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB-1. ECB MATERIAL SPECIFICATIONS				
TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING**
STRAW*	-	100%	-	DOUBLE/NATURAL
STRAW-COCONUT	30% MIN	70% MAX	-	DOUBLE/NATURAL
COCONUT	100%	-	-	DOUBLE/NATURAL
EXCELSIOR	-	-	100%	DOUBLE/NATURAL

*STRAW ECBs MAY ONLY BE USED OUTSIDE OF STREAMS AND DRAINAGE CHANNELS. **ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

REC-8 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Rock Sock (RS) SC-5

ROCK SOCK MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, OR DAMAGED BEYOND REPAIR.
- SEDIMENT ACCUMULATED UPSTREAM OF ROCK SOCKS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/4 OF THE HEIGHT OF THE ROCK SOCK.
- ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- WHEN ROCK SOCKS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, RESEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF ROCK SOCK INSTALLATION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY OTHER SIMILAR PROPRIETARY PRODUCTS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY PROTECTION PRODUCTS. HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RS-3



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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

EROSION CONTROL
DETAILS
VR239 & PPR2336

G4.6
Sheet 14 of 24

Temporary and Permanent Seeding (TS/PS) EC-2

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes...

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Table with 4 columns: Species* (Common name), Growth Season, Pounds of Pure Live Seed (PLS)/acre, and Planting Depth (inches). Lists various crops like Oats, Spring wheat, Spring barley, etc.

Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist.

See Table TS/PS-3 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

June 2012 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 TS/PS-3

EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-3. Seeding Dates for Annual and Perennial Grasses

Table with 5 columns: Seeding Dates, Annual Grasses (Warm, Cool), and Perennial Grasses (Warm, Cool). Shows timing windows for different grass types.

Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier.

Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado.

Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

TS/PS-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 June 2012

EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses

Large table with 6 columns: Common Name, Botanical Name, Growth Season, Growth Form, Seeds/Pound, Pounds of PLS/acre. Lists various perennial grasses and seed mixes like Alkali Soil Seed Mix, Fertile Loamy Soil Seed Mix, etc.

TS/PS-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 June 2012

EC-4 Mulching (MU)

- Clean, weed-free and seed-free cereal grain straw should be applied evenly at a rate of 2 tons per acre and must be tacked or fastened by a method suitable for the condition of the site.
Grass hay may be used in place of straw; however, because hay is comprised of the entire plant including seed, mulching with hay may seed the site with non-native grass species which might in turn out-compete the native seed.

Maintenance and Removal

After mulching, the bare ground surface should not be more than 10 percent exposed. Reapply mulch, as needed, to cover bare areas.

MU-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 June 2012

Temporary and Permanent Seeding (TS/PS) EC-2

Table TS/PS-2. Minimum Drill Seeding Rates for Perennial Grasses (cont.)

Continuation of Table TS/PS-2 with 6 columns: Common Name, Botanical Name, Growth Season, Growth Form, Seeds/Pound, Pounds of PLS/acre. Lists additional perennial grasses like Blue grama, Camper little bluestem, etc.

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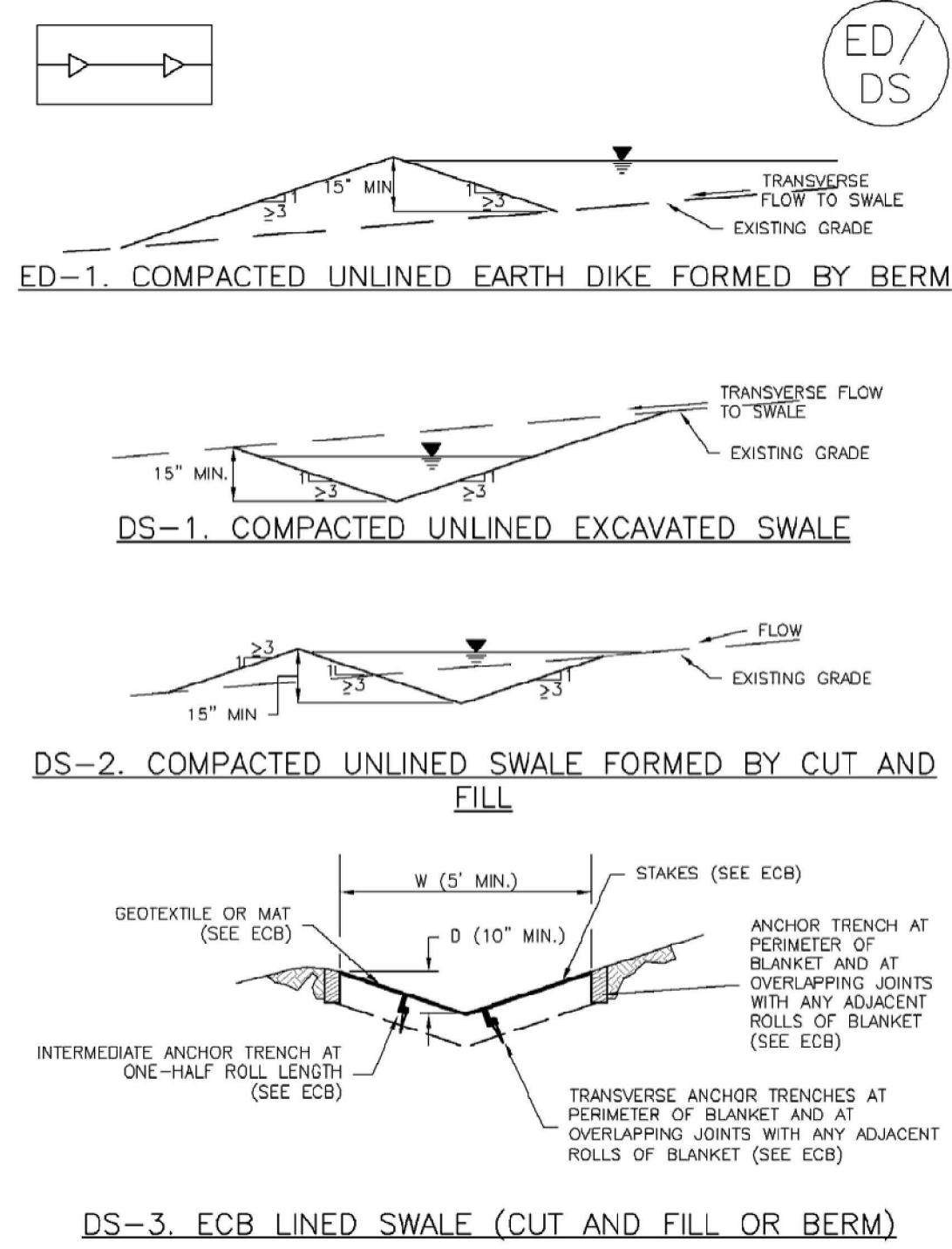
Table with 4 columns: #, Date, Issue / Description, Init. For tracking changes.

Project No: MRS01 Drawn By: JDM, BLB Checked By: BAS, CMWJ Date: 05/06/2024

EROSION CONTROL DETAILS

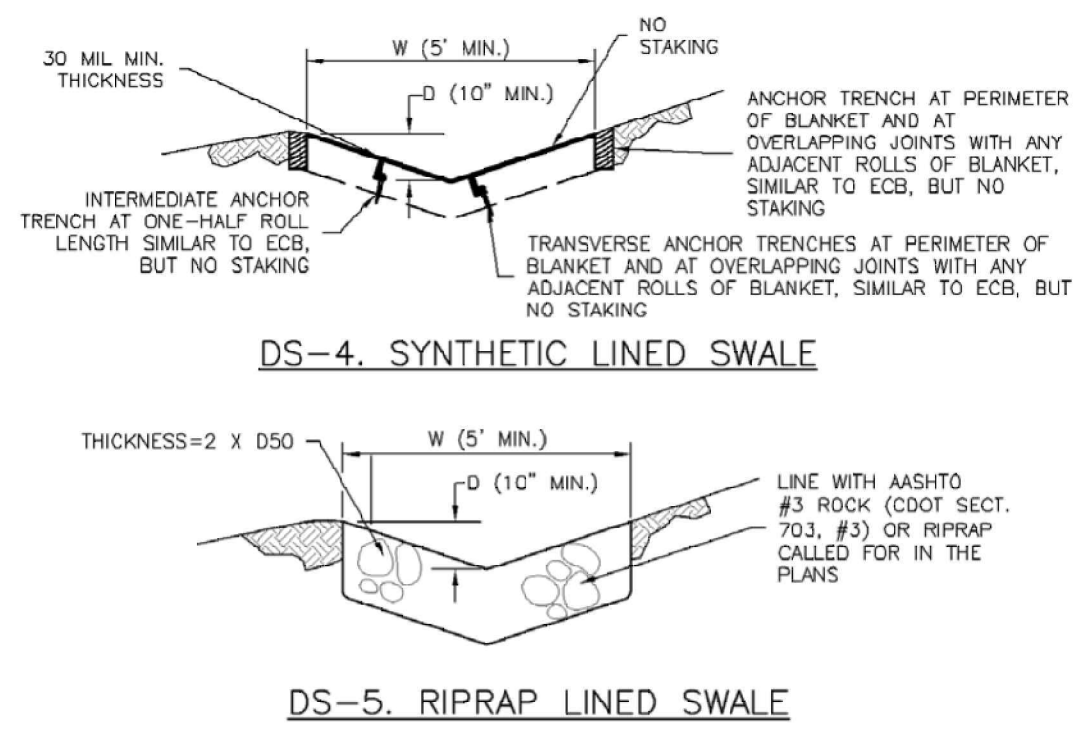
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Earth Dikes and Drainage Swales (ED/DS) EC-10



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ED/DS-3

EC-10 Earth Dikes and Drainage Swales (ED/DS)



EARTH DIKE AND DRAINAGE SWALE INSTALLATION NOTES

- SEE SITE PLAN FOR:
 - LOCATION OF DIVERSION SWALE
 - TYPE OF SWALE (UNLINED, COMPACTED AND/OR LINED)
 - LENGTH OF EACH SWALE
 - DEPTH, D, AND WIDTH, W DIMENSIONS
 - FOR ECB/TRM LINED DITCH, SEE ECB DETAIL
 - FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, D50
- SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES AND/OR DIVERSION SWALES EXCEEDING 2-YEAR FLOW RATE OR 10 CFS.
- EARTH DIMES AND SWALES INDICATED ON SWMP PLAN SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES IN PROXIMITY.
- EMBANKMENT IS TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D698.
- SWALES ARE TO DRAIN TO A SEDIMENT CONTROL BMP.
- FOR LINED DITCHES, INSTALLATION OF ECB/TRM SHALL CONFORM TO THE REQUIREMENTS OF THE ECB DETAIL.
- WHEN CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION SWALE, INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12 INCHES.

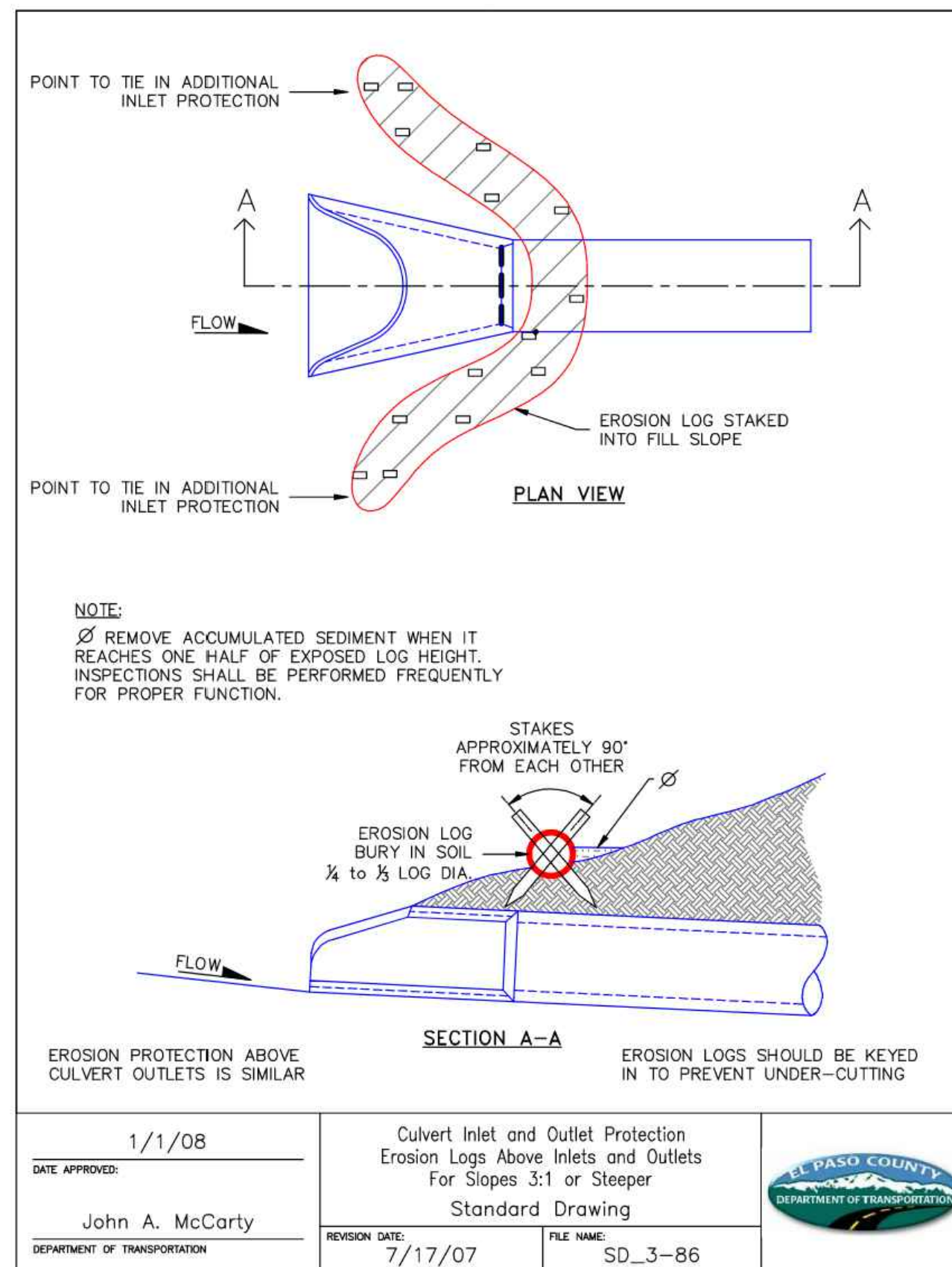
ED/DS-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Earth Dikes and Drainage Swales (ED/DS) EC-10

EARTH DIKE AND DRAINAGE SWALE MAINTENANCE NOTES

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 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SWALES SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION; IF APPROVED BY LOCAL JURISDICTION, SWALES MAY BE LEFT IN PLACE.
 - WHEN A SWALE IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF COLORADO SPRING, COLORADO, NOT AVAILABLE IN AUTOCAD)
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November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ED/DS-5



DATE APPROVED: 1/1/08
 John A. McCarty
 DEPARTMENT OF TRANSPORTATION

Culvert Inlet and Outlet Protection Erosion Logs Above Inlets and Outlets For Slopes 3:1 or Steeper Standard Drawing

REVISION DATE: 7/17/07
 FILE NAME: SD_3-86



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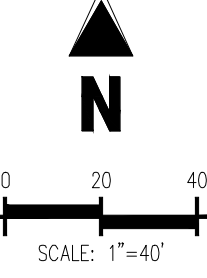
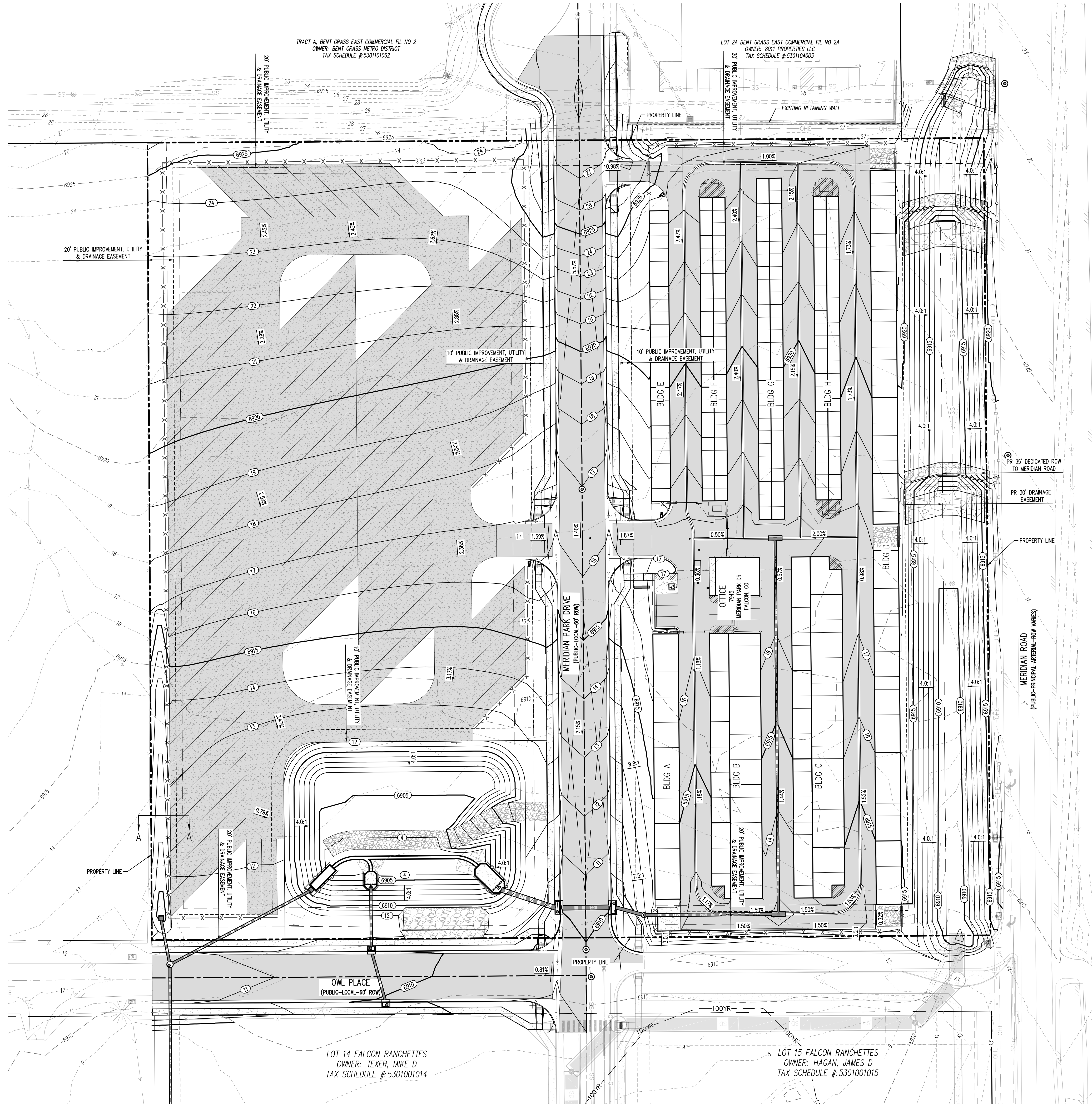
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EROSION CONTROL DETAILS
 VR239 & PPR2336



GRADING LEGEND

- 5460 --- EXISTING MAJOR CONTOUR
- 52 --- EXISTING MINOR CONTOUR
- 5485 --- 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

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
- x-x-x- EXISTING FENCE
- x-x-x- PROPOSED FENCE
- o-o-o- EXISTING GUARDRAIL
- x-x-x- PROPOSED CURB AND GUTTER
- x-x-x- EXISTING CURB AND GUTTER
- x-x-x- EXISTING EDGE OF ASPHALT
- PROPOSED SIDEWALK
- PROPOSED TRAIL
- GRAVEL PER EGM TABLE D-7
- RIPRAP OUTFALL PADS
- x-x-x- EXISTING SIGN
- x-x-x- PROPOSED SIGN
- x-x-x- PROPOSED BOLLARDS

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

BENCHMARK

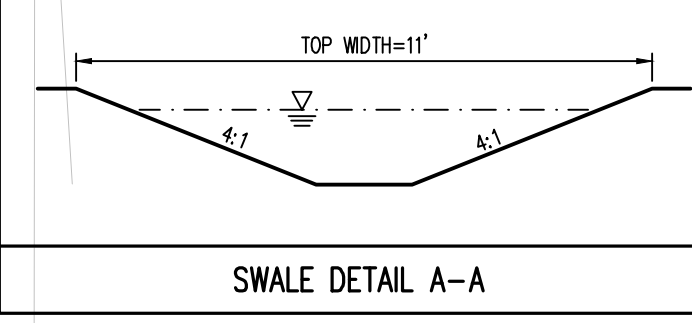
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP, STAMPED "PLS 24964", NAVD88 ELEVATION = 6947.67

BASIS OF BEARING

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CAUTION - NOTICE TO CONTRACTOR

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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

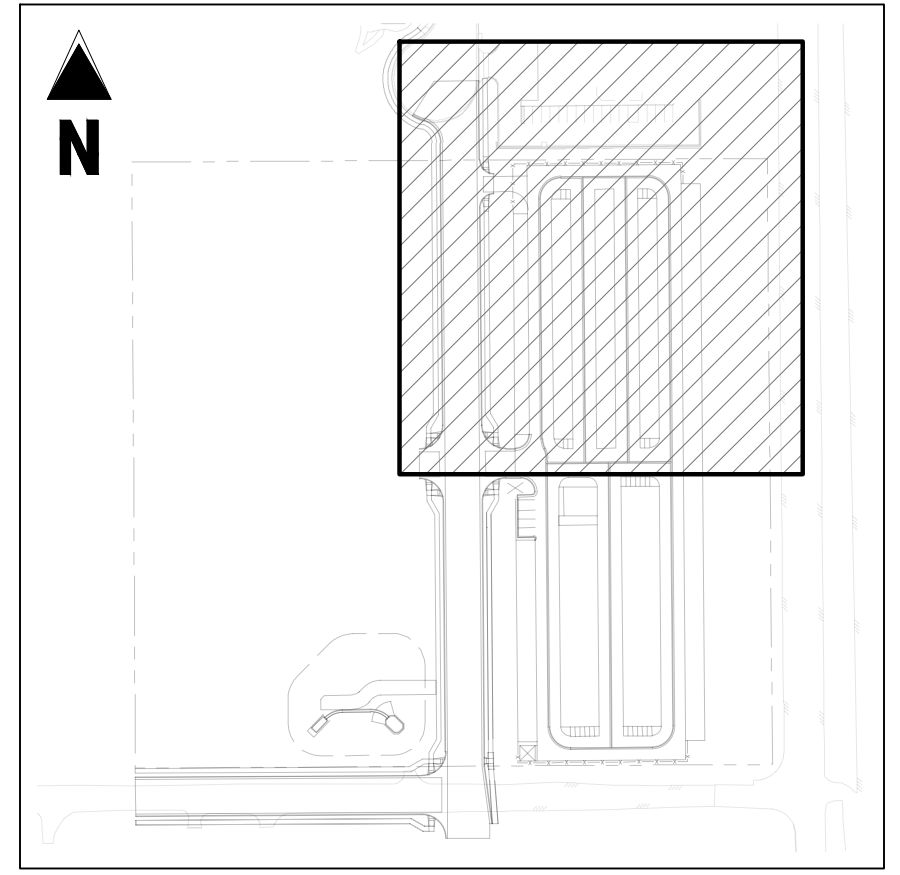
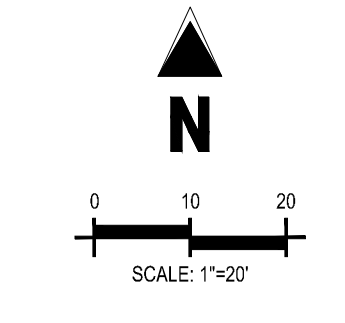
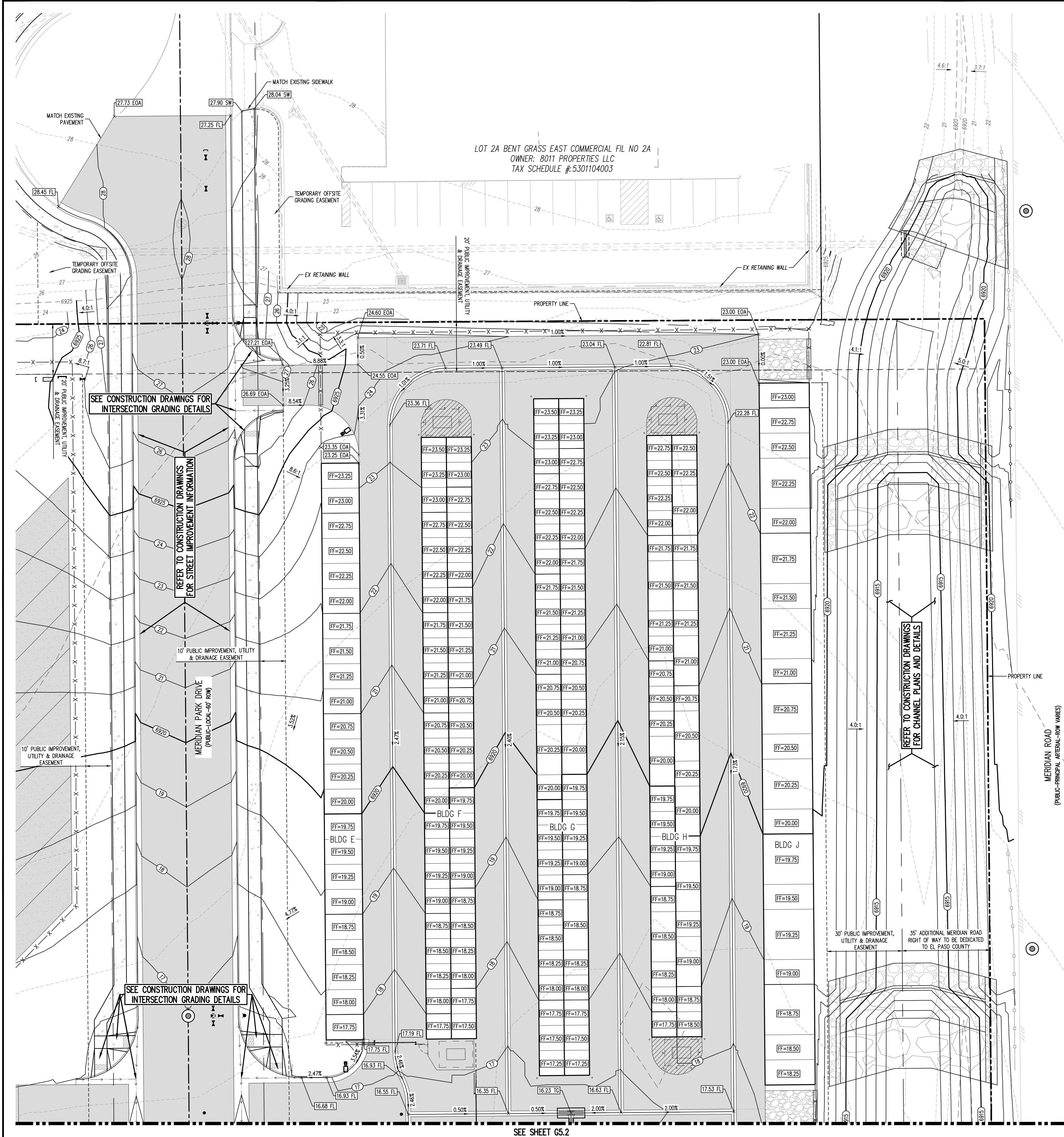
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM, BLB
 Checked By: BAS, CMWJ
 Date: 05/06/2024

OVERALL GRADING PLAN

VR239 & PPR2336



KEYMAP
SCALE: 1"=20'

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

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 FIBER OPTIC 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

GRADING LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING SLOPE - PERCENT
- EXISTING SLOPE - RISE/RUN
- PROPOSED SLOPE - PERCENT
- PROPOSED SLOPE - RISE/RUN
- PROPOSED SPOT ELEVATION - HIGH POINT
- PROPOSED SPOT ELEVATION - LOW POINT
- PROPOSED SPOT ELEVATION - TOP OF BERM
- PROPOSED SPOT ELEVATION - FLOW LINE
- PROPOSED SPOT ELEVATION - TOP OF GRATE
- PROPOSED SPOT ELEVATION - FINISHED GRADE
- PROPOSED SPOT ELEVATION - SIDEWALK
- PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
- PROPOSED SPOT ELEVATION - EDGE OF ASPHALT
- PROPOSED SPOT ELEVATION - MATCH EXISTING

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
- 100-YR 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 ECM TABLE D-7
- RIPRAP OUTFALL PADS
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS

SEE CONSTRUCTION DRAWINGS FOR INTERSECTION GRADING DETAILS

REFER TO CONSTRUCTION DRAWINGS FOR STREET IMPROVEMENT INFORMATION

10' PUBLIC IMPROVEMENT, UTILITY & DRAINAGE EASEMENT

MERIDIAN PARK DRIVE (PUBLIC-LOCAL-60' ROW)

10' PUBLIC IMPROVEMENT, UTILITY & DRAINAGE EASEMENT

REFER TO CONSTRUCTION DRAWINGS FOR CHANNEL PLANS AND DETAILS

MERIDIAN ROAD (PUBLIC-PRINCIPAL ARTERIAL-ROW WARMS)

30' PUBLIC IMPROVEMENT, UTILITY & DRAINAGE EASEMENT

35' ADDITIONAL MERIDIAN ROAD RIGHT OF WAY TO BE DEDICATED TO EL PASO COUNTY

SEE CONSTRUCTION DRAWINGS FOR INTERSECTION GRADING DETAILS

SEE SHEET G5.2



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GRADING & EROSION CONTROL PLAN
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
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Date: 05/06/2024

GRADING PLAN
VR239 & PPR2336

G5.1
Sheet 18 of 24

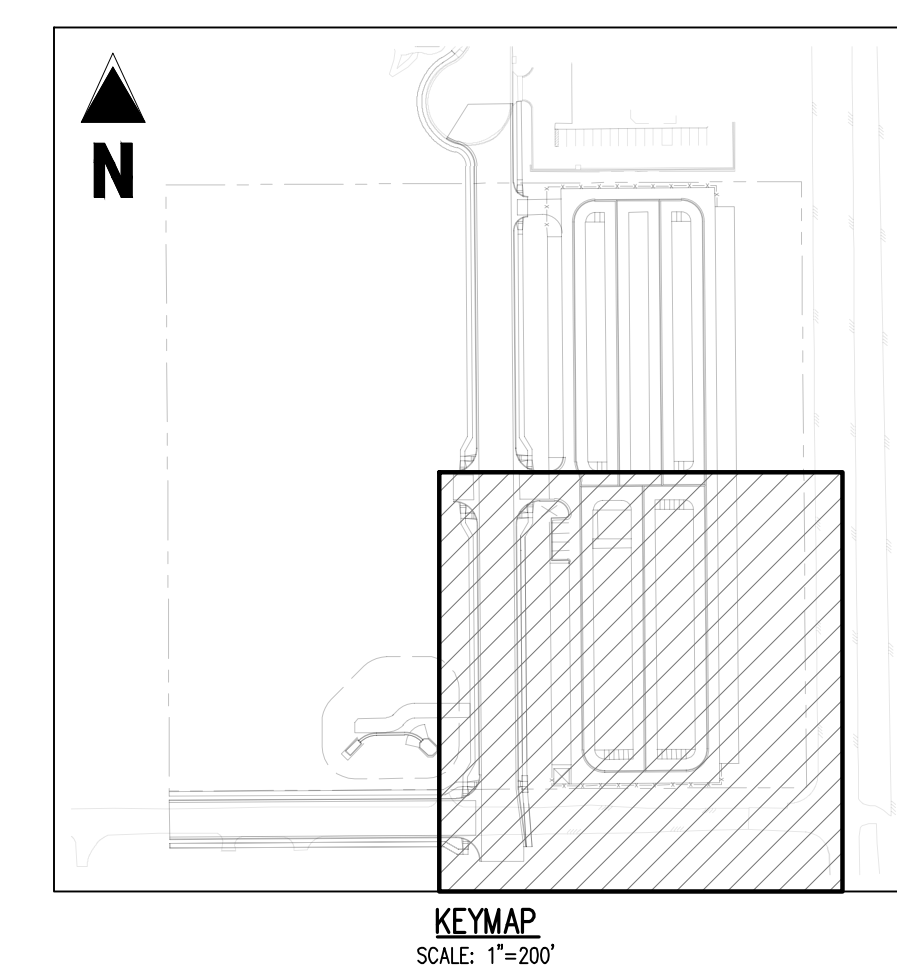
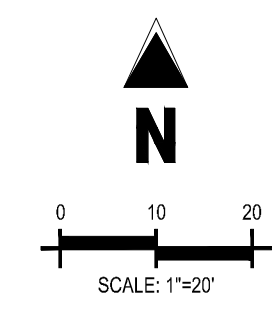
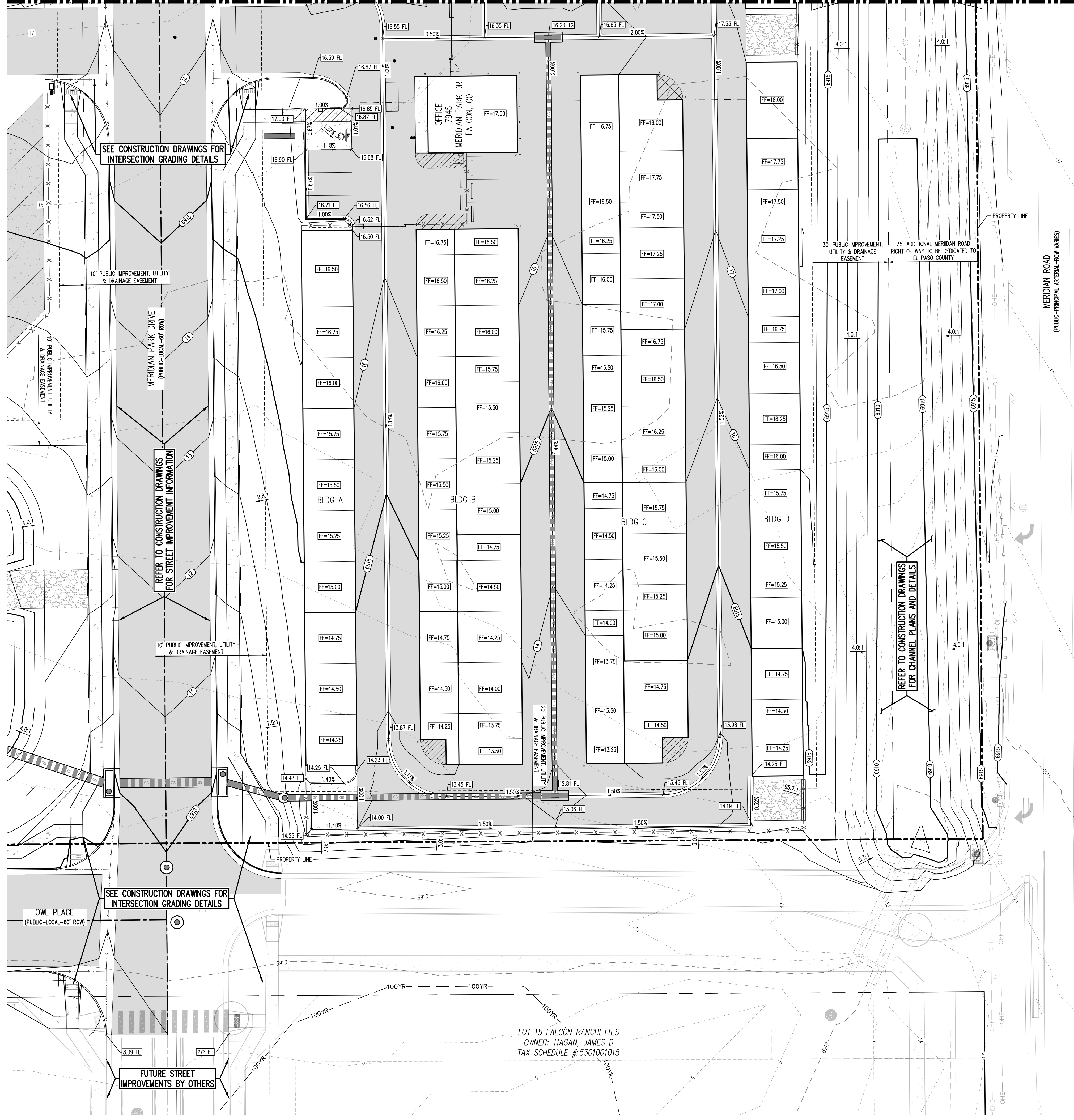
BENCHMARK
THE SOUTHWEST CORNER OF LOT 1 WOODMEN HILLS FLING NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24964" NAVD85 ELEVATION = 6947.67

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SEE SHEET C5.1



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
- [TO] [20] - EXISTING FIBER OPTIC 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

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
- 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 GRADE
- 89.00 FG - PROPOSED SPOT ELEVATION - FINISHED GRADE
- 89.00 SW - PROPOSED SPOT ELEVATION - SIDEWALK
- 89.00 EDC - PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
- 89.00 EDA - PROPOSED SPOT ELEVATION - EDGE OF ASPHALT
- 89.00 ME - PROPOSED SPOT ELEVATION - MATCH EXISTING

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
- - - - - EXISTING 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
- - - - - EXISTING SIDEWALK
- - - - - PROPOSED GRAVEL PER EGM TABLE D-7
- - - - - RIPRAP OUTFALL PADS
- - - - - EXISTING SIGN
- - - - - PROPOSED SIGN
- - - - - PROPOSED BOLLARDS

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

BASIS OF BEARING
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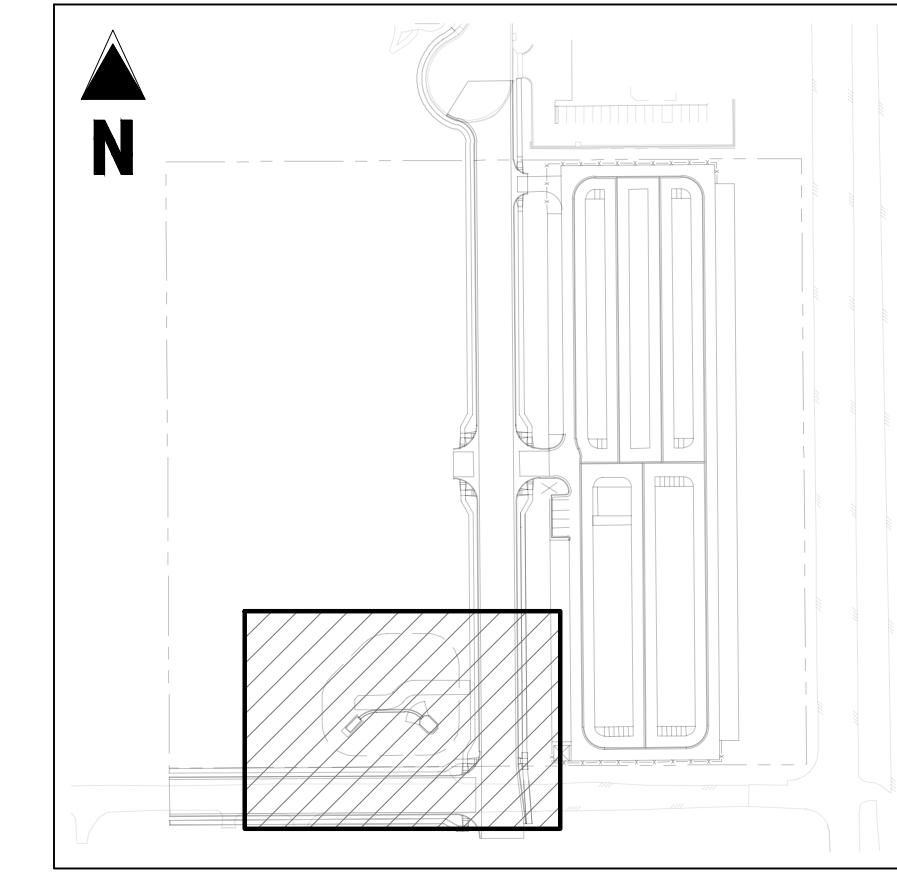
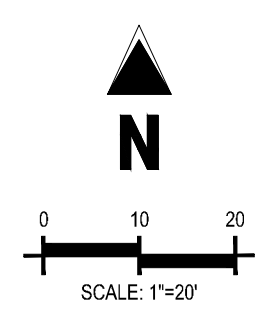
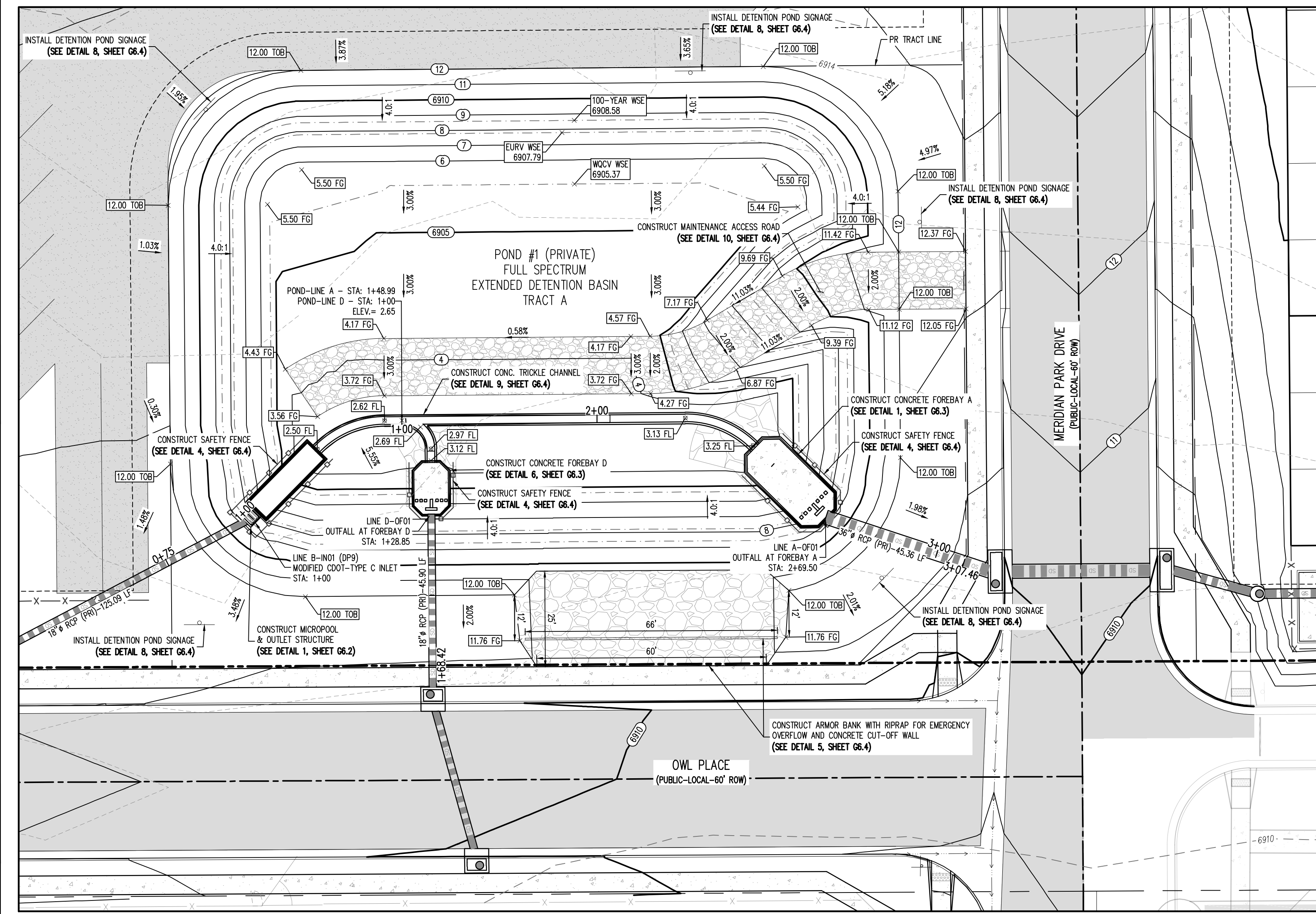


GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336
 STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

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Project No: MRS01
 Drawn By: JDM, BLB
 Checked By: BAS, CMWJ
 Date: 05/06/2024

GRADING PLAN
 VR239 & PPR2336



GRADING LEGEND

---	EXISTING MAJOR CONTOUR
- - -	EXISTING MINOR CONTOUR
- - - -	PROPOSED MAJOR CONTOUR
- - - - -	PROPOSED MINOR CONTOUR
---	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

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
- - -	EXISTING ROAD CENTERLINE
- - -	PROPOSED ROAD CENTERLINE
- - -	EXISTING RIDGE LINE
- - -	PROPOSED RIDGE LINE
- - -	EXISTING SWALE LINE
- - -	PROPOSED SWALE LINE
---X---	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
- - -	RRIPRAP OUTFALL PADS
- - -	EXISTING SIGN
- - -	PROPOSED SIGN
- - -	PROPOSED BOLLARDS

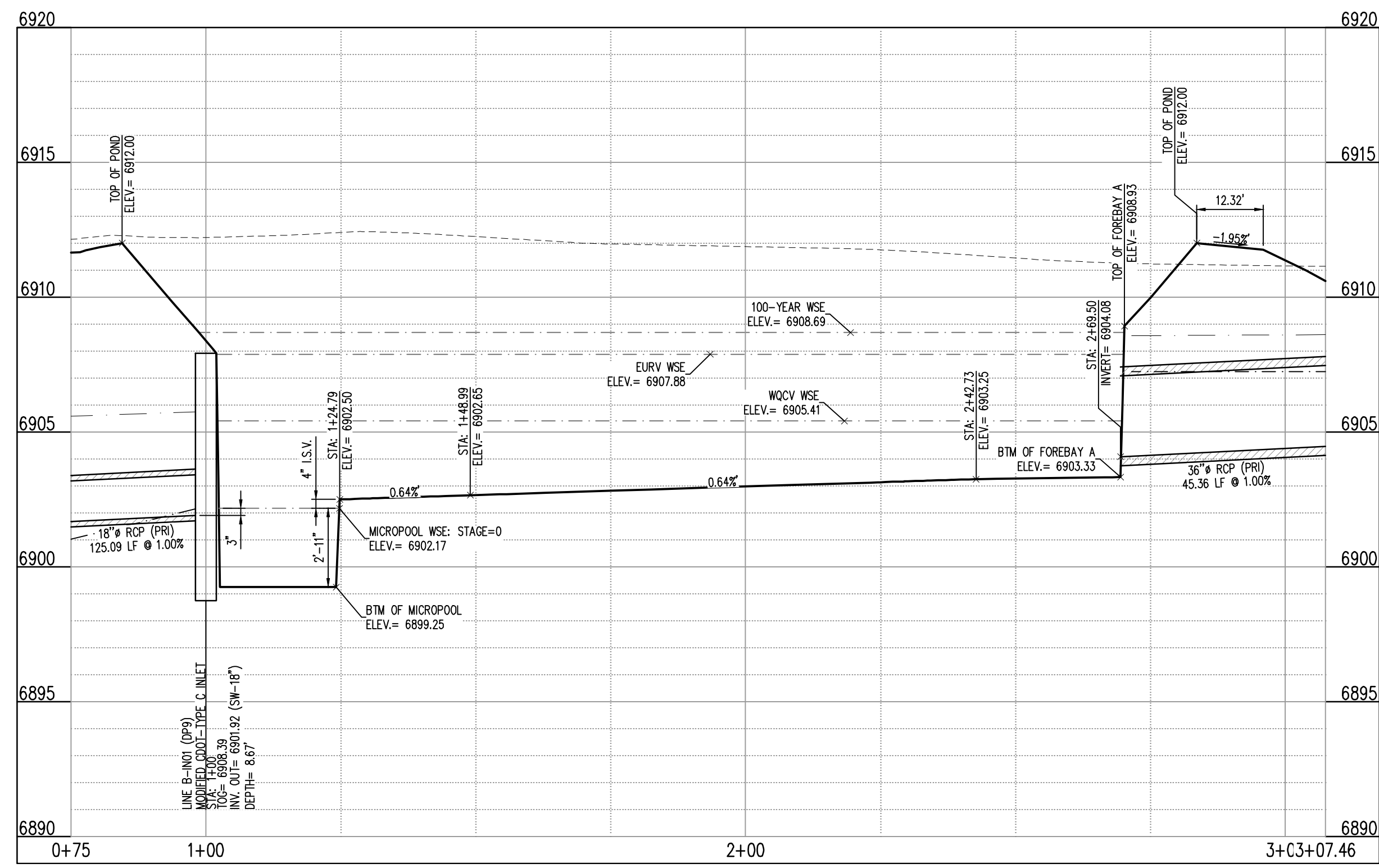
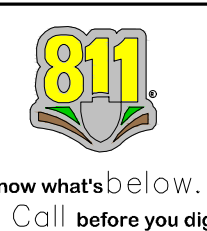
UTILITY LEGEND

---	EXISTING WATER LINE
---	PROPOSED WATER LINE
---	EXISTING SANITARY SEWER
---	PROPOSED SANITARY SEWER
---	EXISTING STORM SEWER
---	PROPOSED STORM SEWER
---	EXISTING GAS LINE
---	PROPOSED GAS LINE
---	EXISTING UNDERGROUND TELEPHONE
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING FIBER OPTIC LINE
---	EXISTING FIBER OPTIC 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

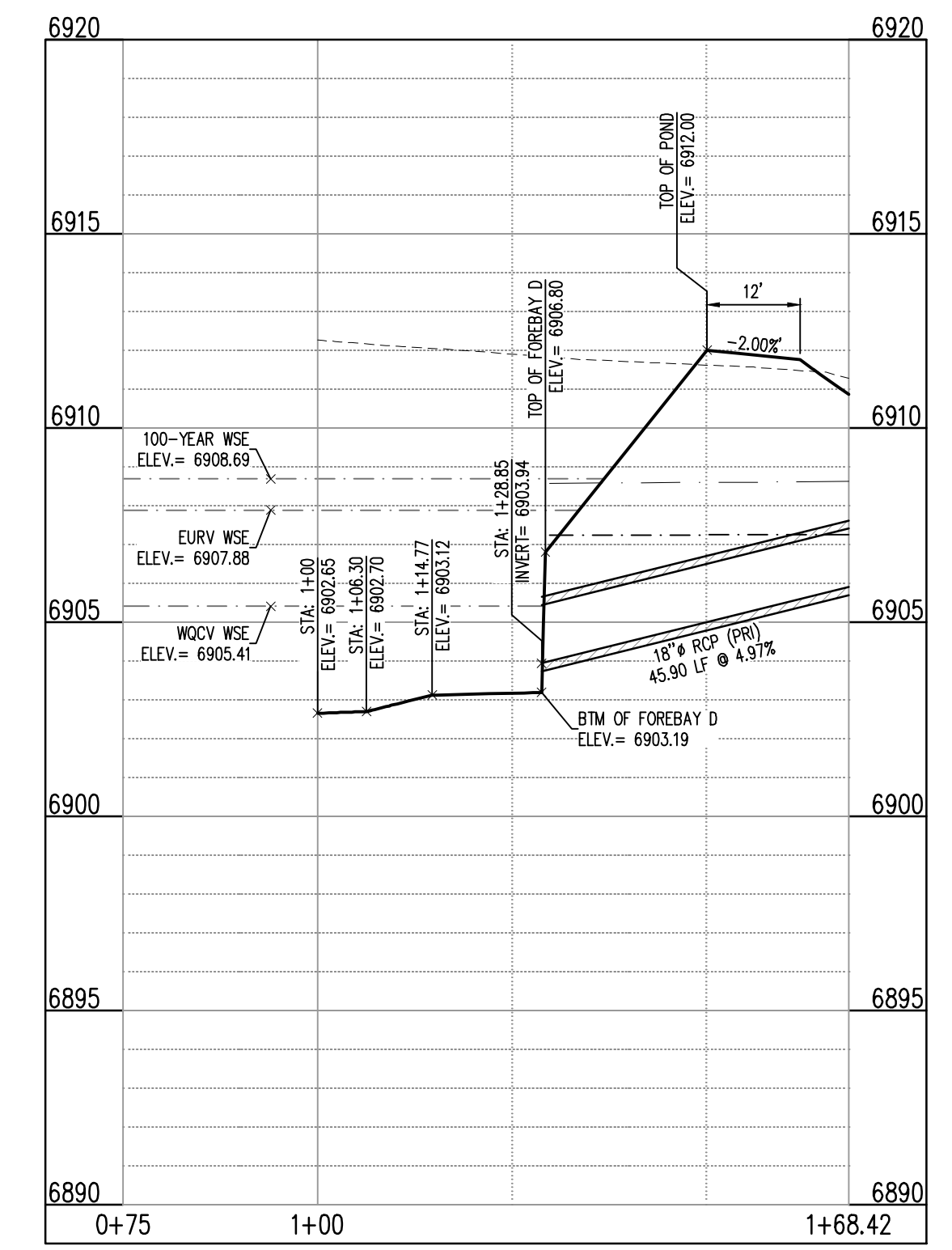
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THE SOUTHWEST CORNER OF LOT 1 WOODEN HILLS FLUNG NO. 4, MONUMENTED BY A NO. 4 REBAR WITH A YELLOW PLASTIC CAP STAMPED "PLS 24864".
NAVD88 ELEVATION = 6947.67

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POND #1 PROFILE A (STA: 0+75 - 3+07.46)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



POND #1 PROFILE D (STA: 1+00 - 1+68.42)
SCALES: HORIZONTAL 1"=20', VERTICAL 1"=4'



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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

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POND 1 PLAN & PROFILE

VR239 & PPR2336



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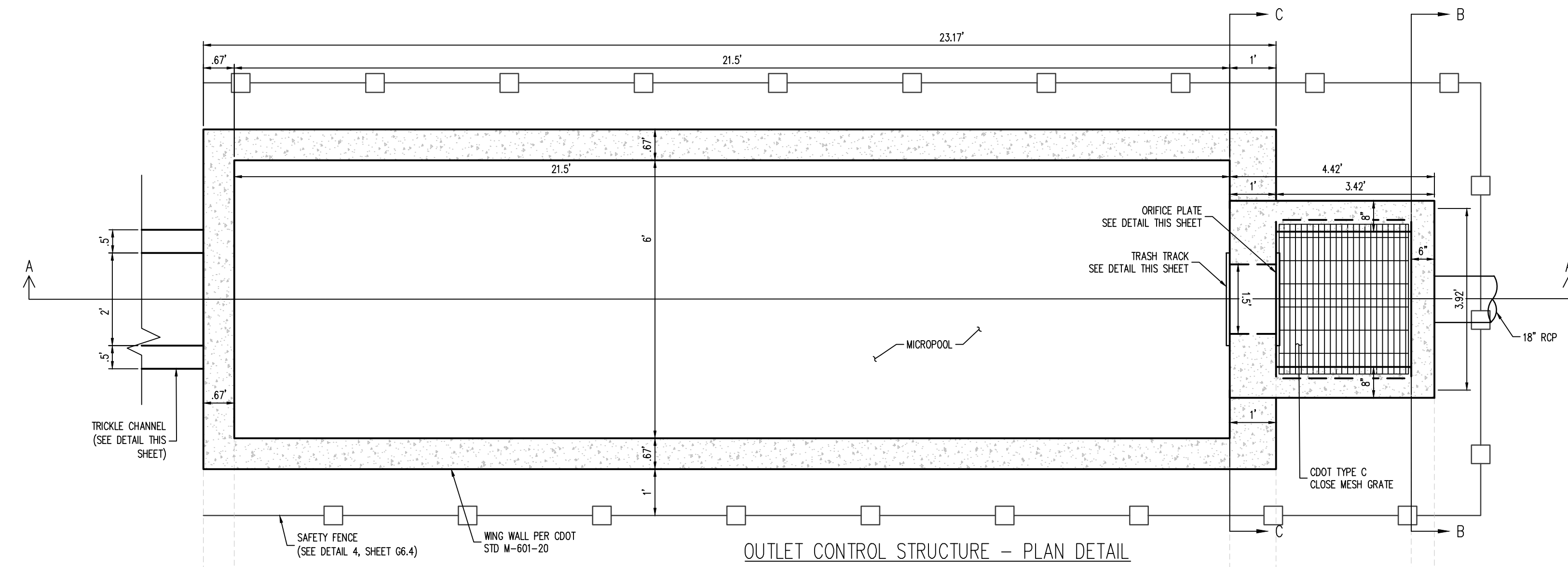
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EL PASO COUNTY, FALCON, CO 80931

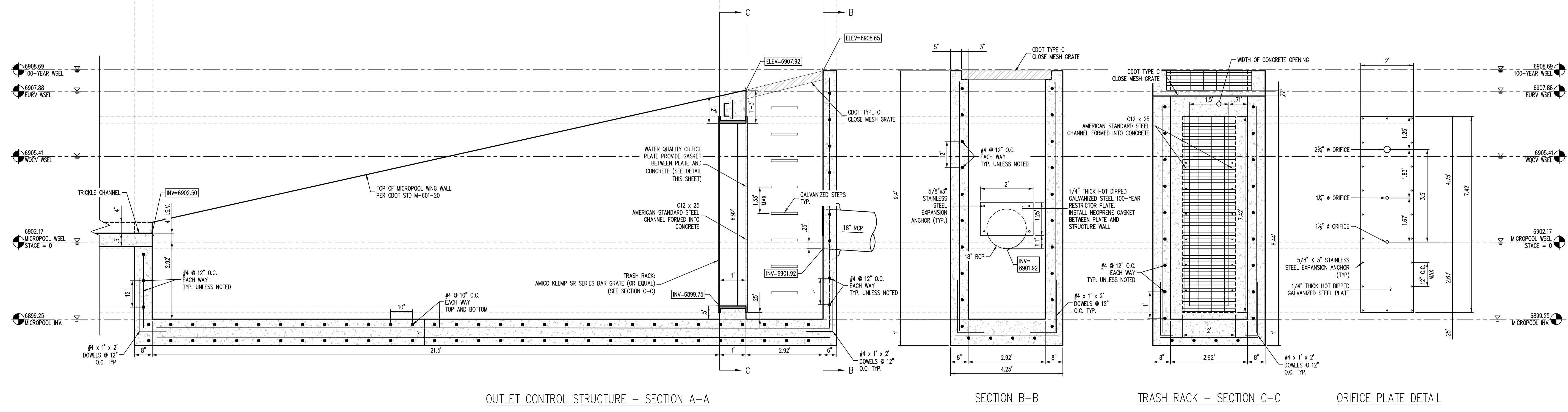
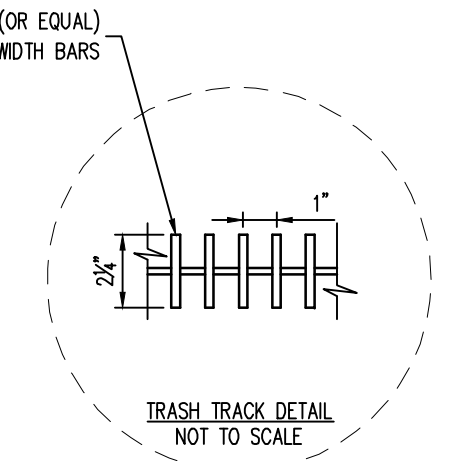
#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM, BLB
Checked By:	BAS, CMWJ
Date:	05/06/2024

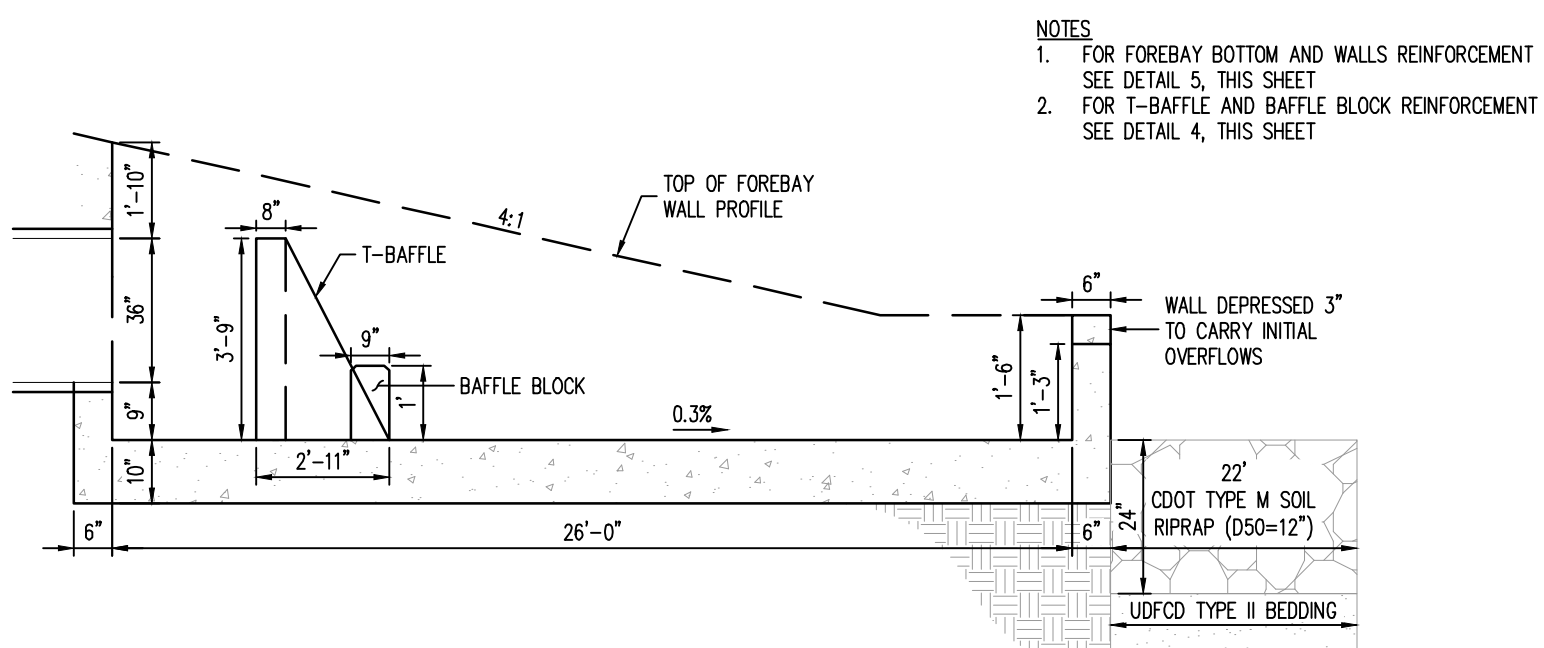
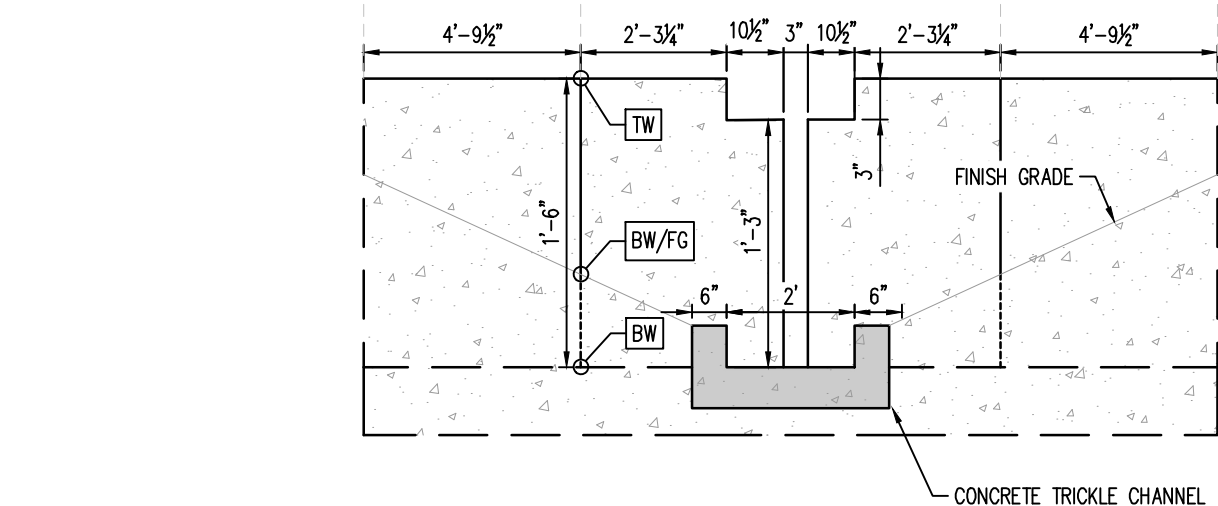
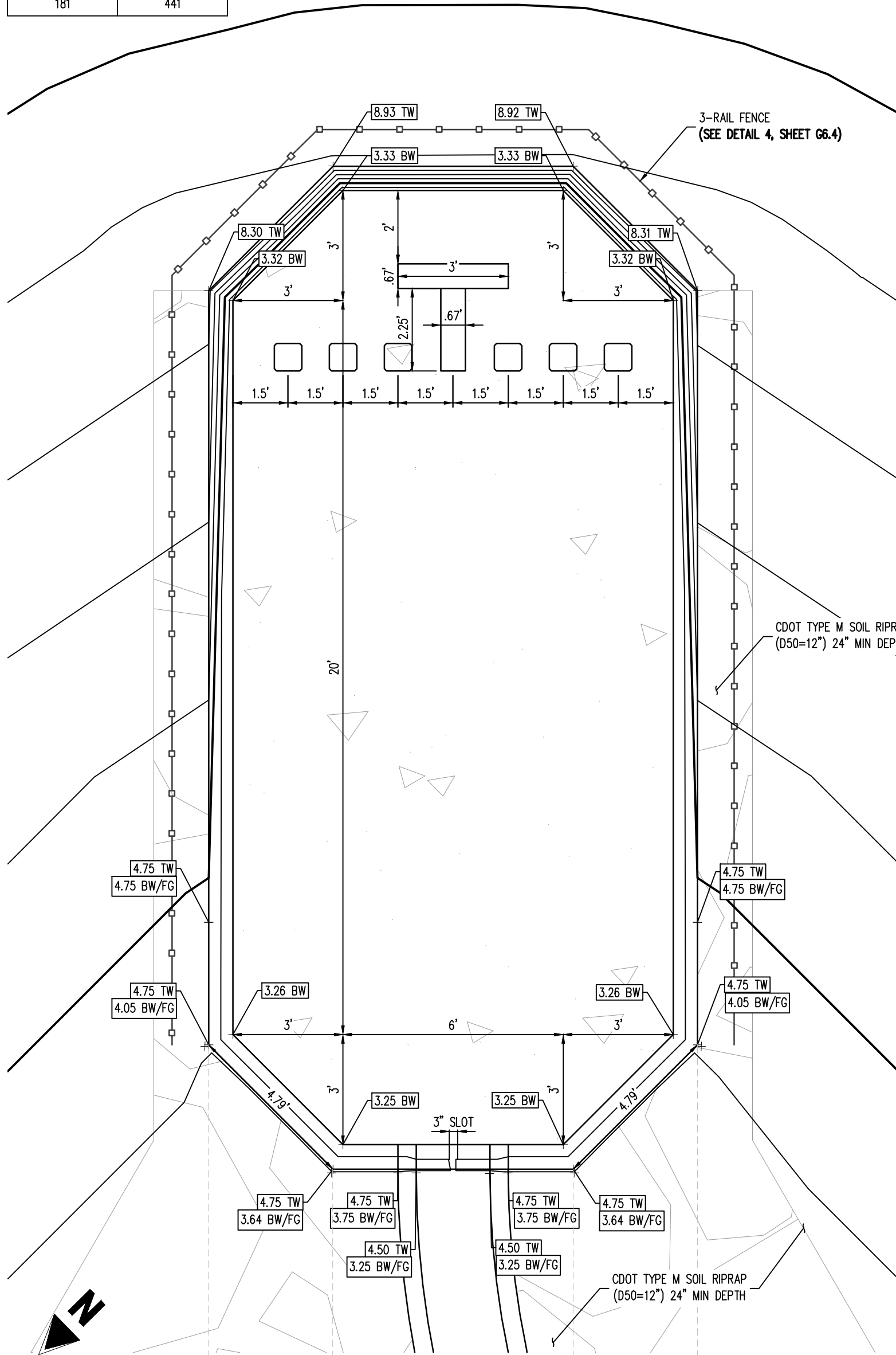
POND 1 OUTLET
STRUCTURE DETAILS
VR239 & PPR2336



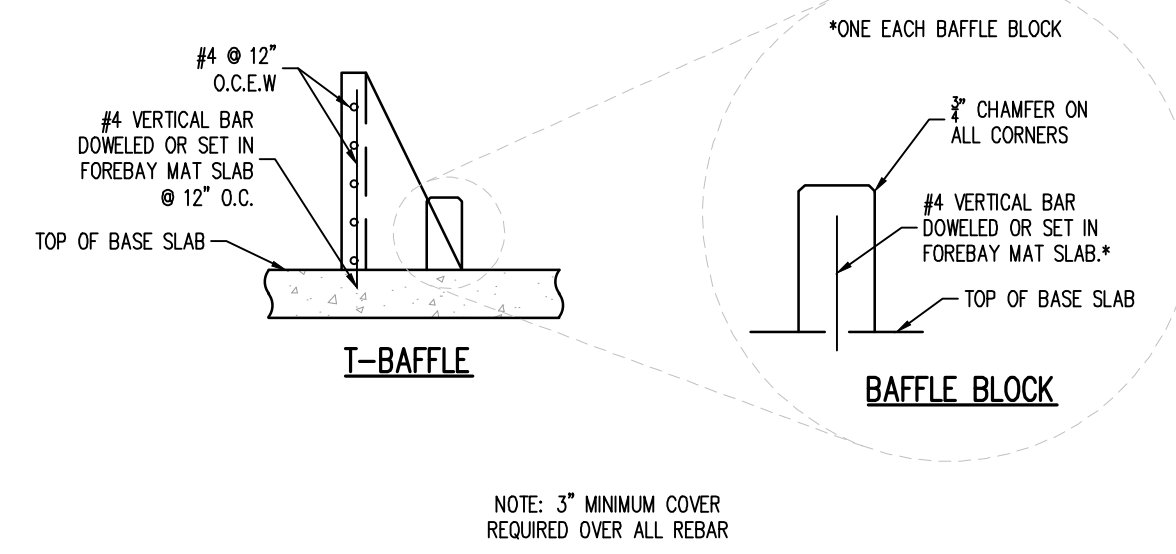
NOTE: ALL REINFORCING SHALL CONFORM TO CDOT STANDARD PLAN NOS. M-604-11 AND M-601-20



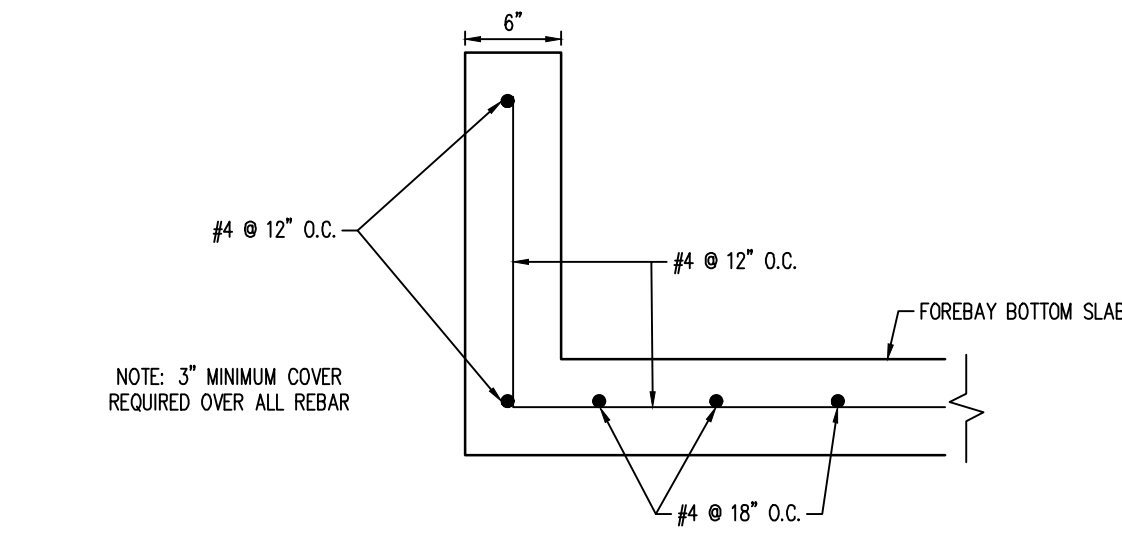
REQUIRED VOLUME (CU. FT.)	PROVIDED VOLUME (CU. FT.)
181	441



- NOTES
- FOR FOREBAY BOTTOM AND WALLS REINFORCEMENT SEE DETAIL 5, THIS SHEET
 - FOR T-BAFFLE AND BAFFLE BLOCK REINFORCEMENT SEE DETAIL 4, THIS SHEET

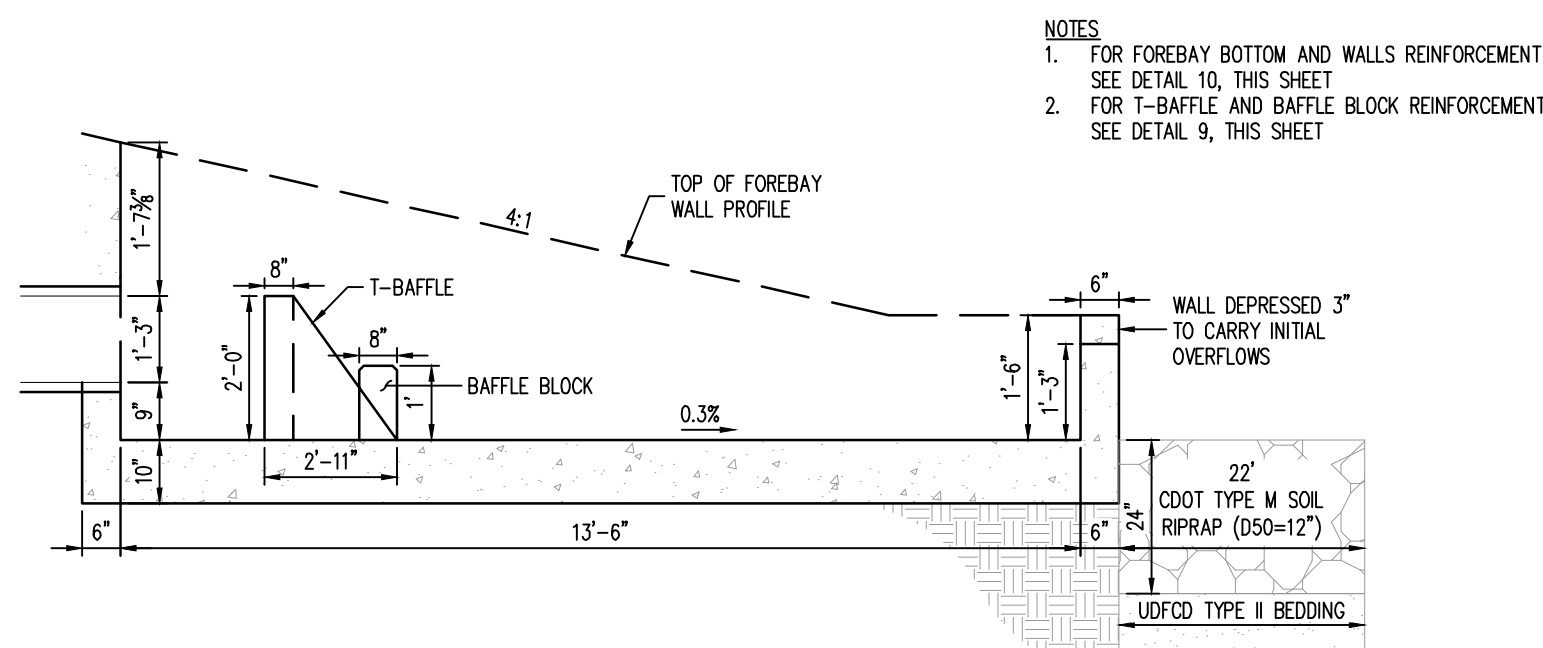
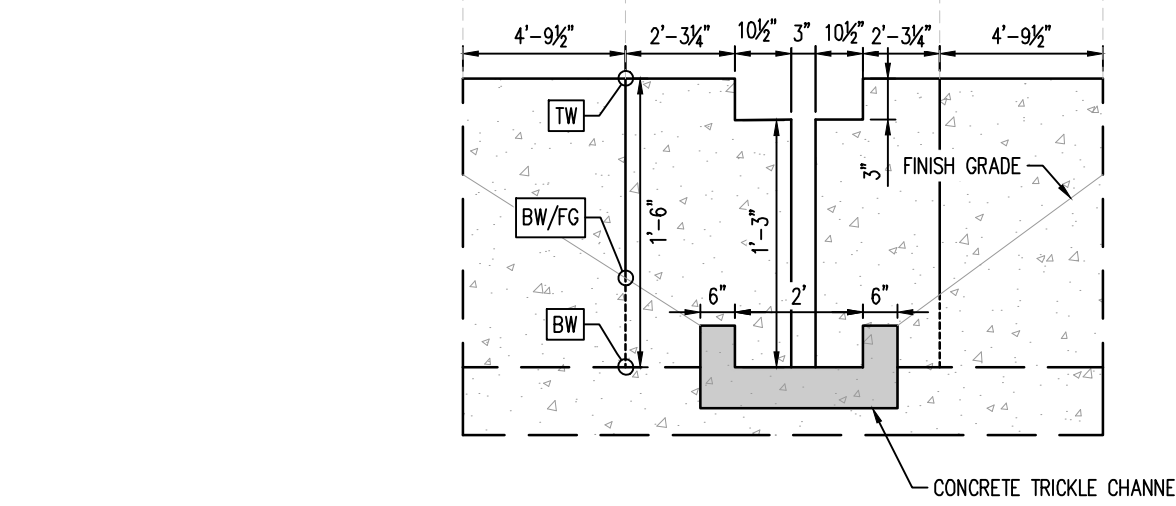
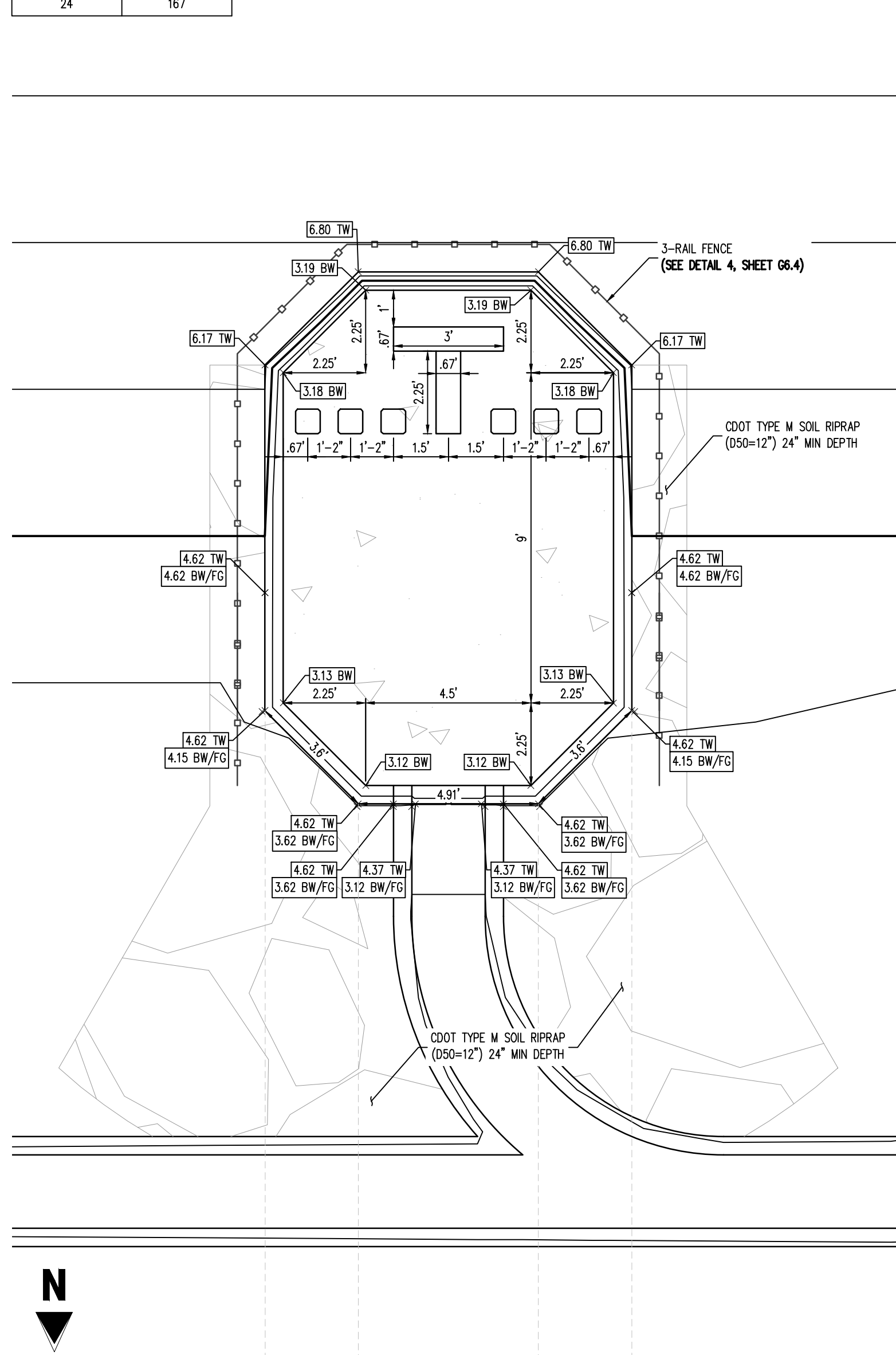


4 FOREBAY A - T-BAFFLES & BAFFLE BLOCKS REINFORCING DETAIL
NOT TO SCALE



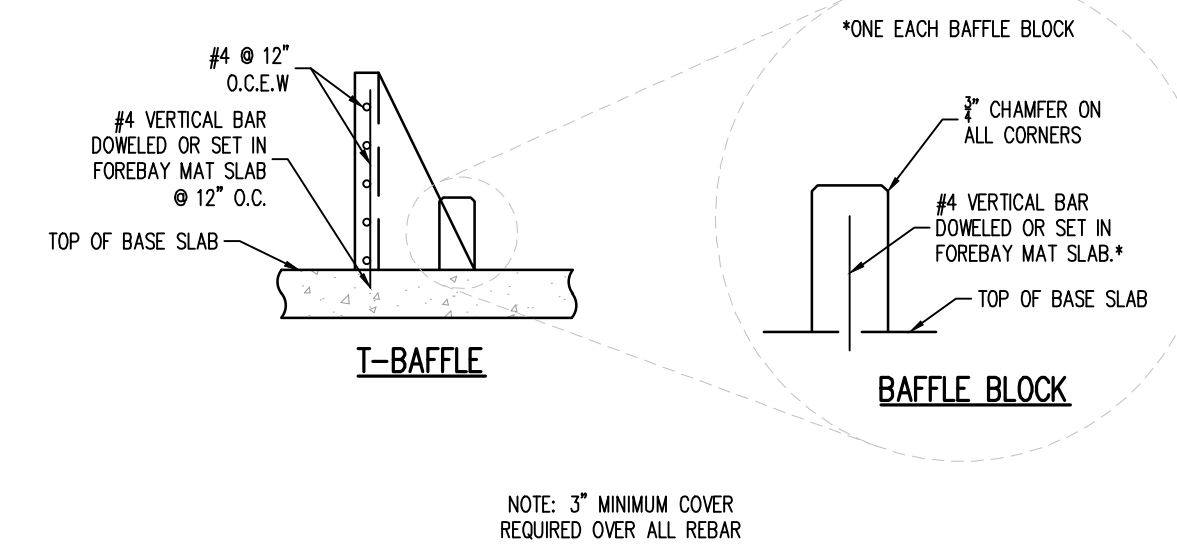
5 FOREBAY A - REINFORCING DETAIL
NOT TO SCALE

REQUIRED VOLUME (CU. FT.)	PROVIDED VOLUME (CU. FT.)
24	167

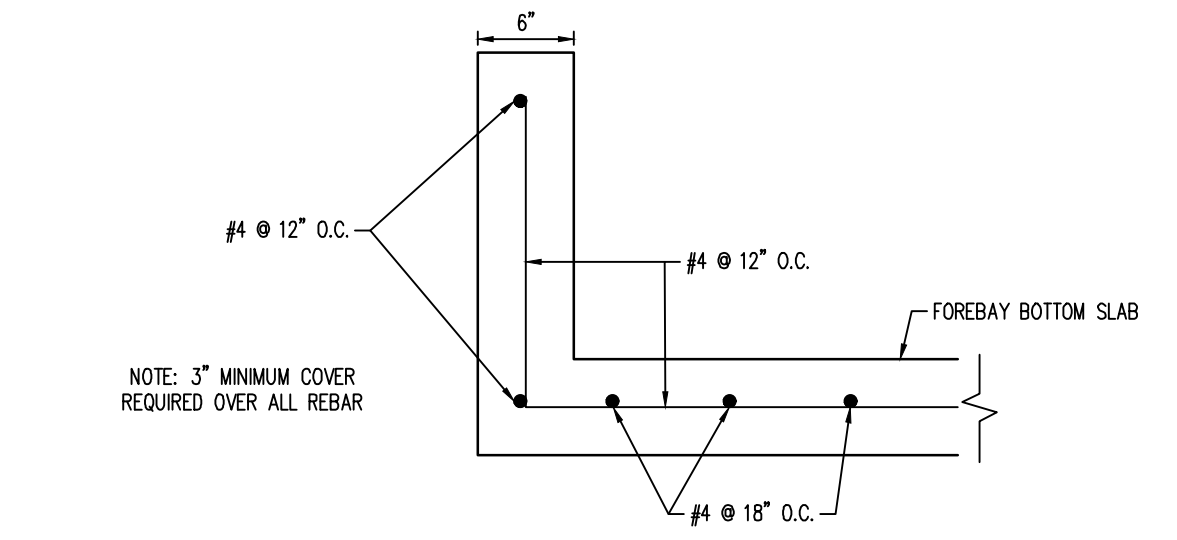


- NOTES
- FOR FOREBAY BOTTOM AND WALLS REINFORCEMENT SEE DETAIL 10, THIS SHEET
 - FOR T-BAFFLE AND BAFFLE BLOCK REINFORCEMENT SEE DETAIL 9, THIS SHEET

8 FOREBAY D - PROFILE DETAIL
NOT TO SCALE



9 FOREBAY D - T-BAFFLES & BAFFLE BLOCKS REINFORCING DETAIL
NOT TO SCALE



10 FOREBAY D - REINFORCING DETAIL
NOT TO SCALE



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GRADING & EROSION CONTROL PLAN
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
VR239 & PPR2336

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

#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM, BLB
Checked By: BAS, CMWJ
Date: 05/06/2024

POND 1 FOREBAY DETAILS

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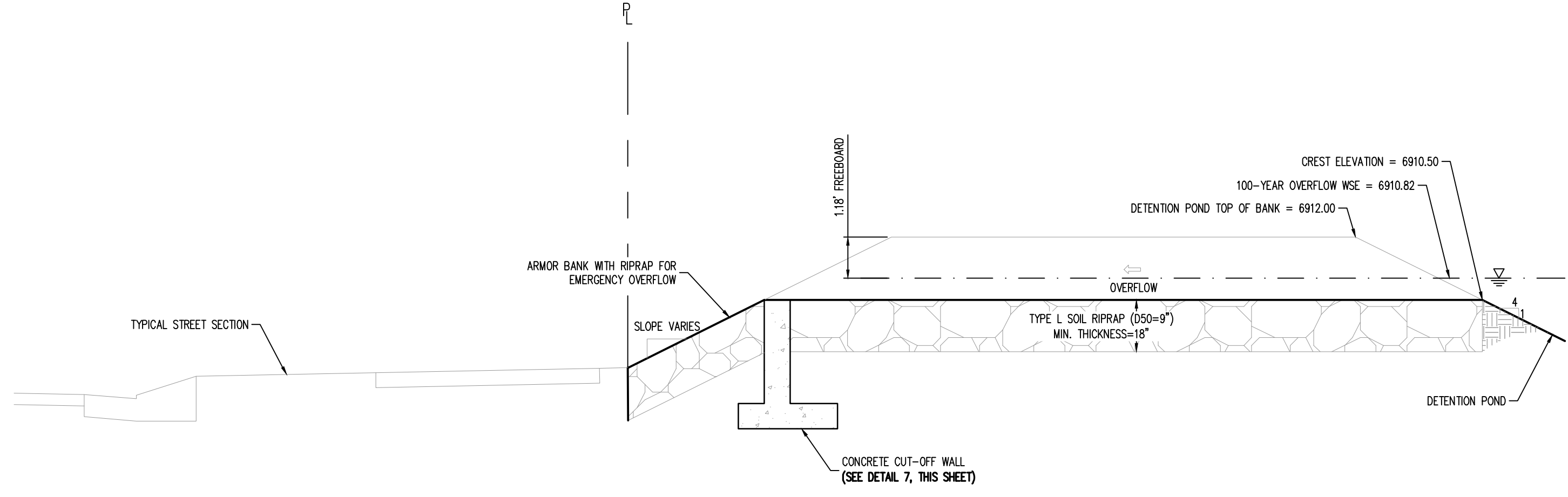
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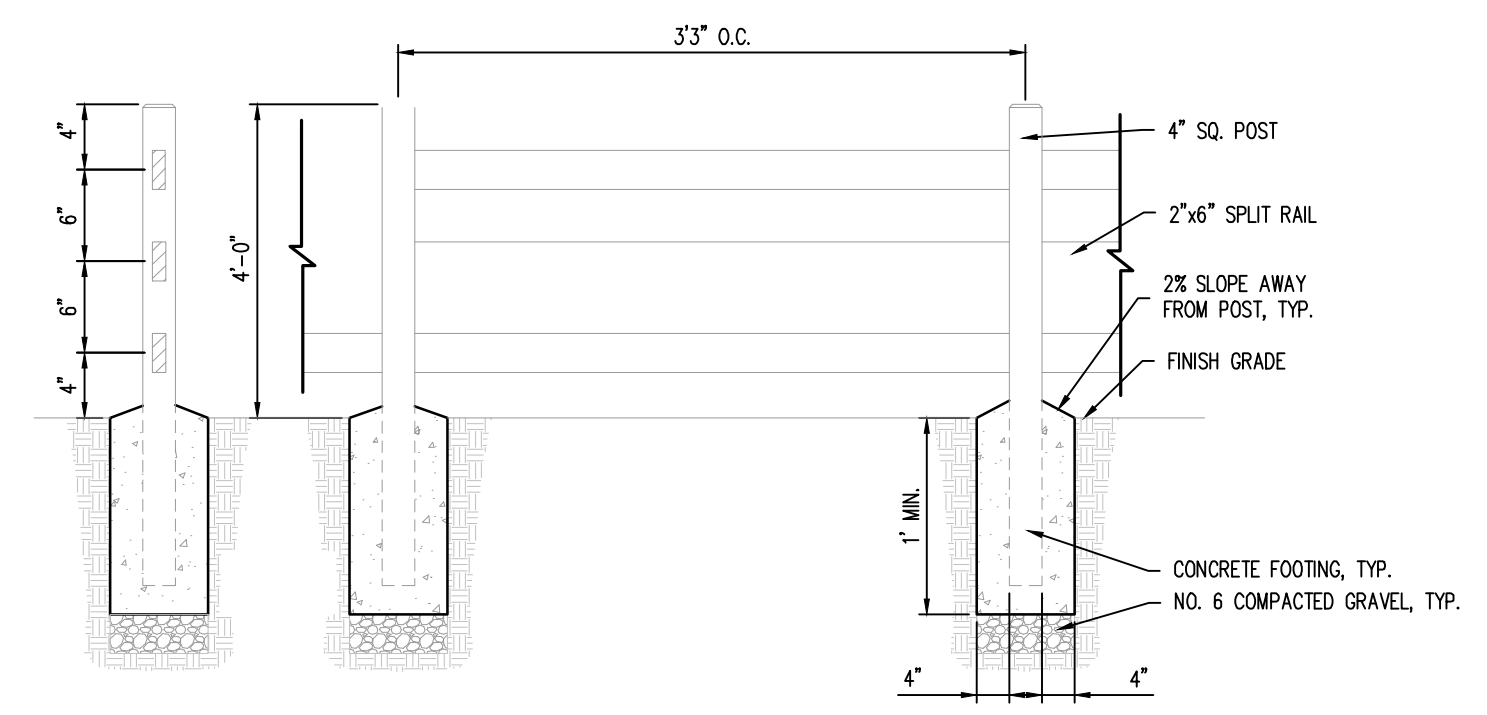
POND 1 DETAILS

VR239 & PPR2336

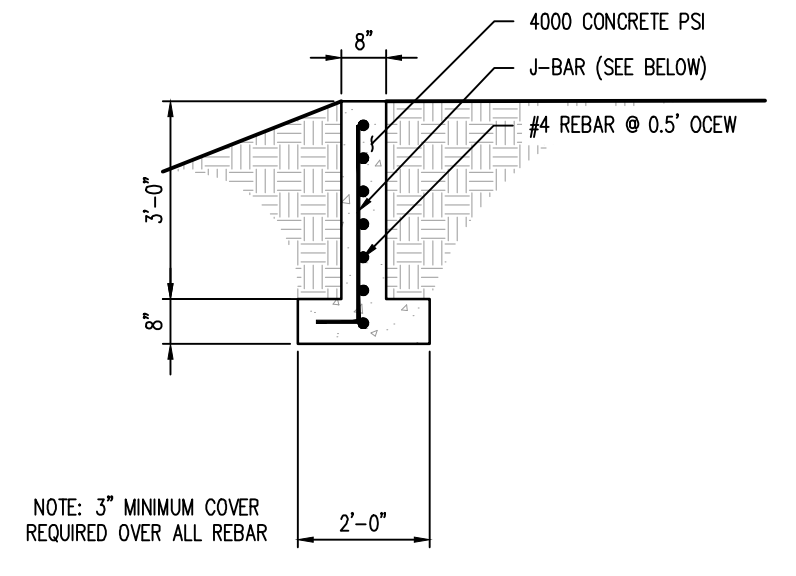
G6.4
 Sheet 23 of 24



5 100-YEAR OVERFLOW - PROFILE
 NOT TO SCALE

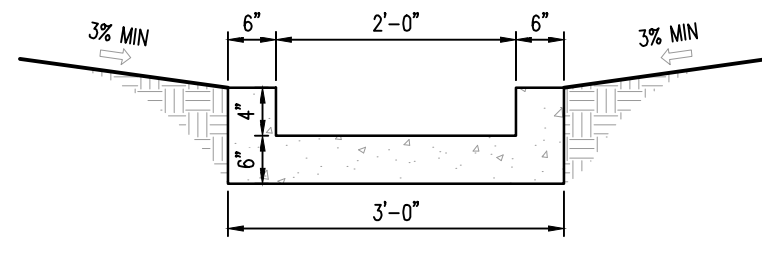


4 3-RAIL FENCE
 NOT TO SCALE

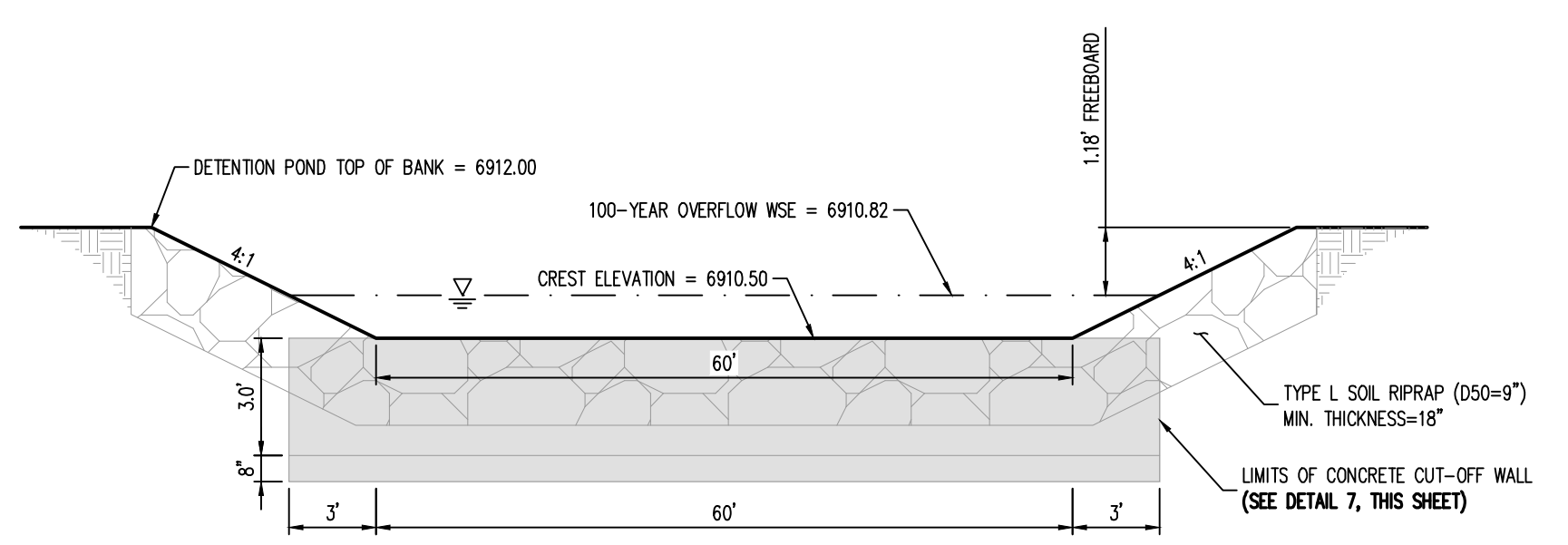


7 CUT-OFF WALL DETAIL
 NOT TO SCALE

NOTES:
 1. CONSTRUCT CONTRACTION JOINTS EVERY 5 LF (SAW CUT OR TOOLED)
 2. CONSTRUCT EXPANSION JOINT W/ 1/2" BITUMINOUS FILLER EVERY 40 FT O.C.



9 CONCRETE TRICKLE CHANNEL
 NOT TO SCALE

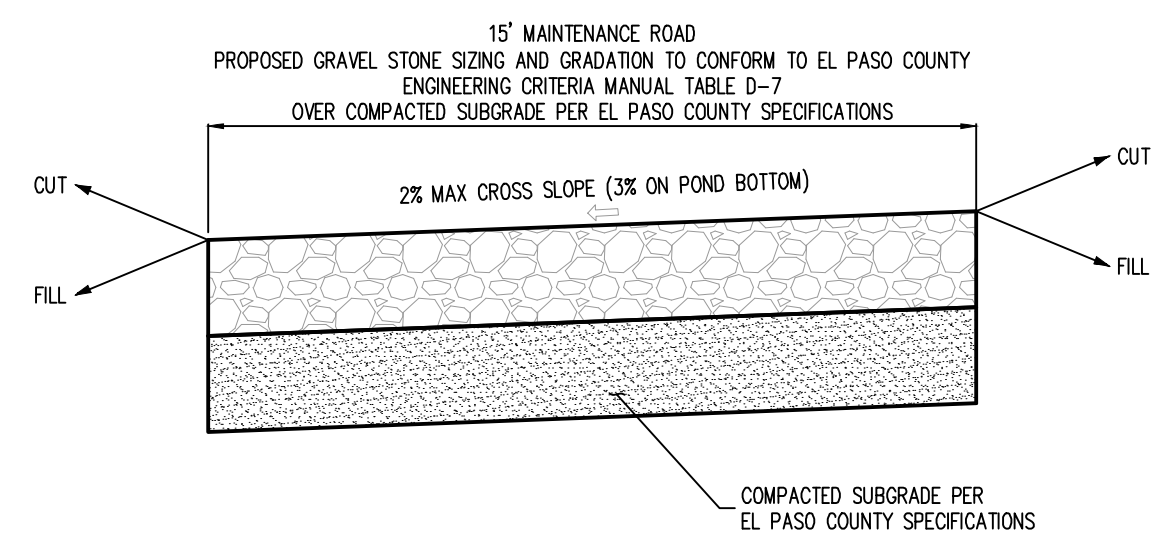


6 100-YEAR OVERFLOW - CROSS SECTION
 NOT TO SCALE

WARNING
 THIS AREA IS A STORMWATER FACILITY
 AND IS SUBJECT TO PERIODIC FLOODING

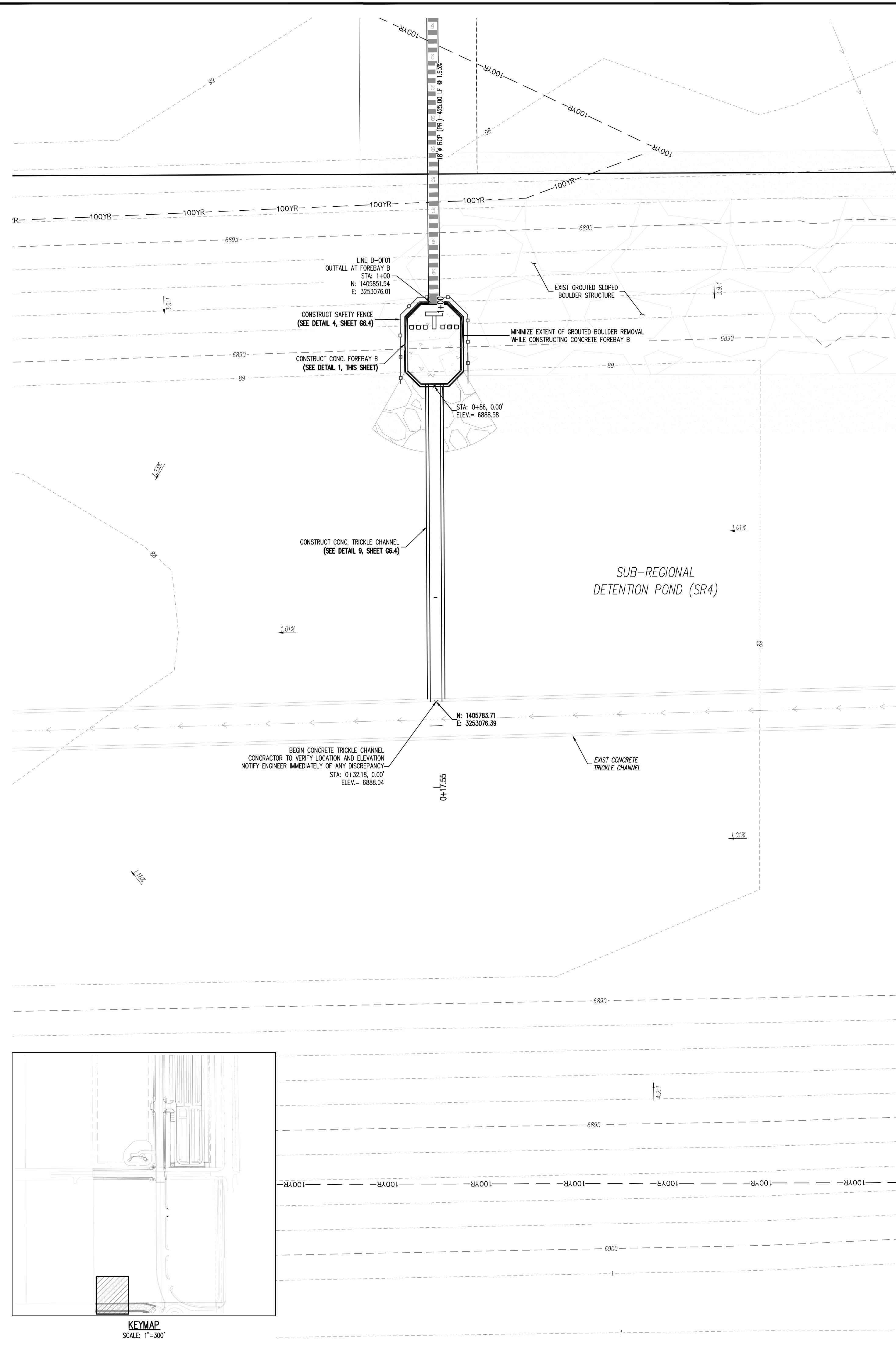
NOTES:
 • THREE (3) SIGNS WITH THE ABOVE MESSAGE, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET SHALL BE PROVIDED AROUND THE PERIMETER OF THE DETENTION POND, AS SHOWN ON THESE PLANS.
 • SIGNS SHALL BE DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND.

8 DETENTION POND SIGNAGE
 NOT TO SCALE

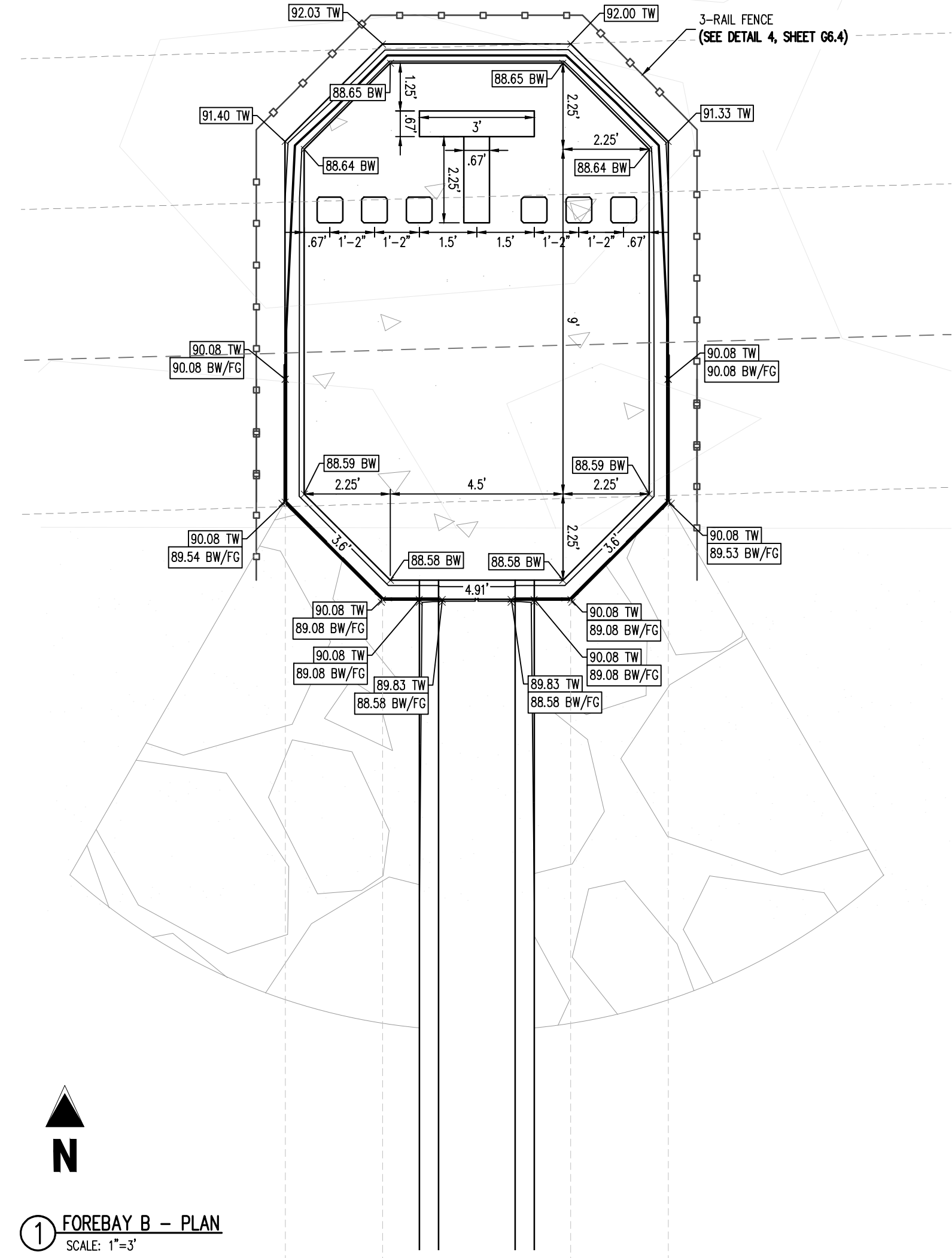


10 MAINTENANCE ROAD
 NOT TO SCALE

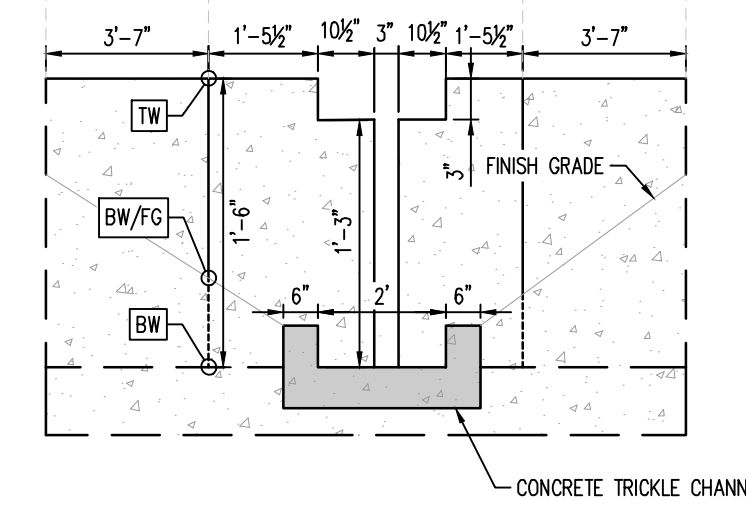
1748387601.dwg | 5/6/24 10:45:11 AM | C:\Users\jdm\OneDrive\Documents\Projects\2024\VR239 & PPR2336\Drawings\05-06-24\05-06-24-01.dwg | 1:1 | 11.5x17.0 | 11.5x17.0



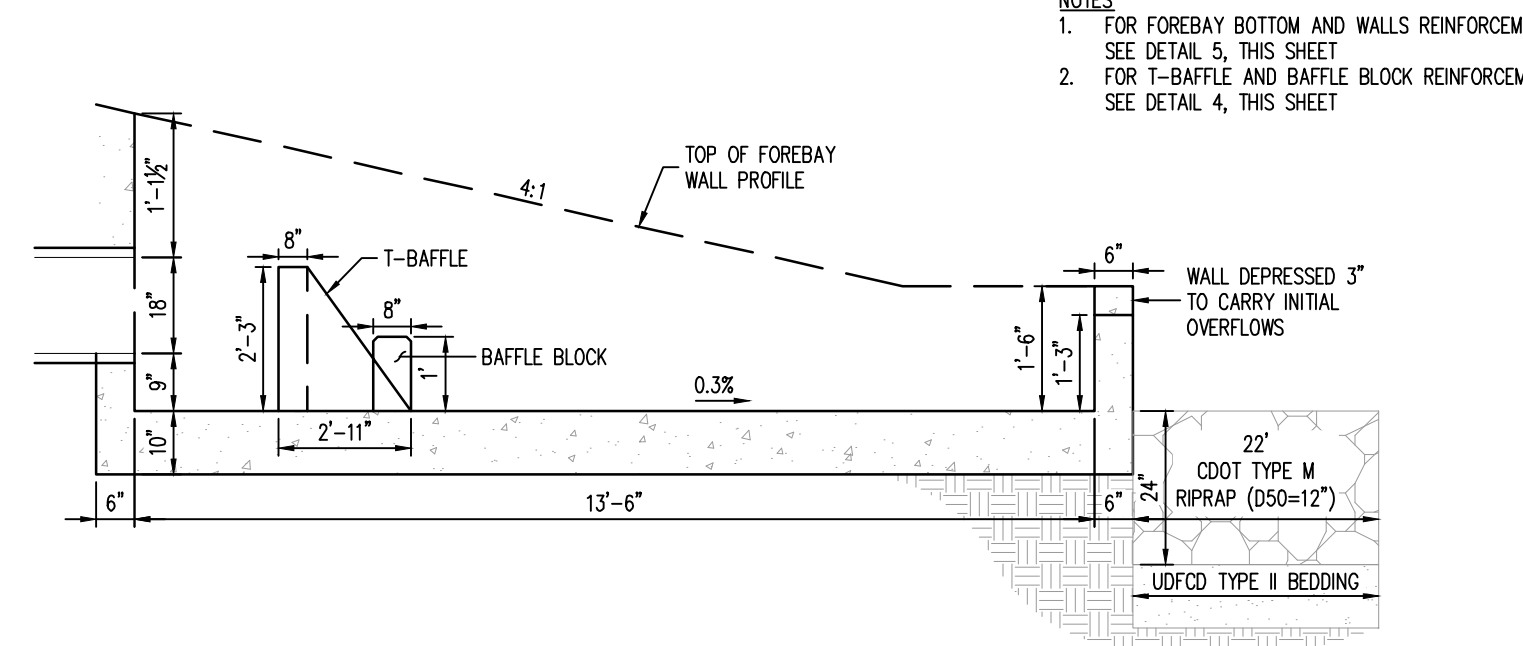
REQUIRED VOLUME (CU. FT.)	PROVIDED VOLUME (CU. FT.)
54	167



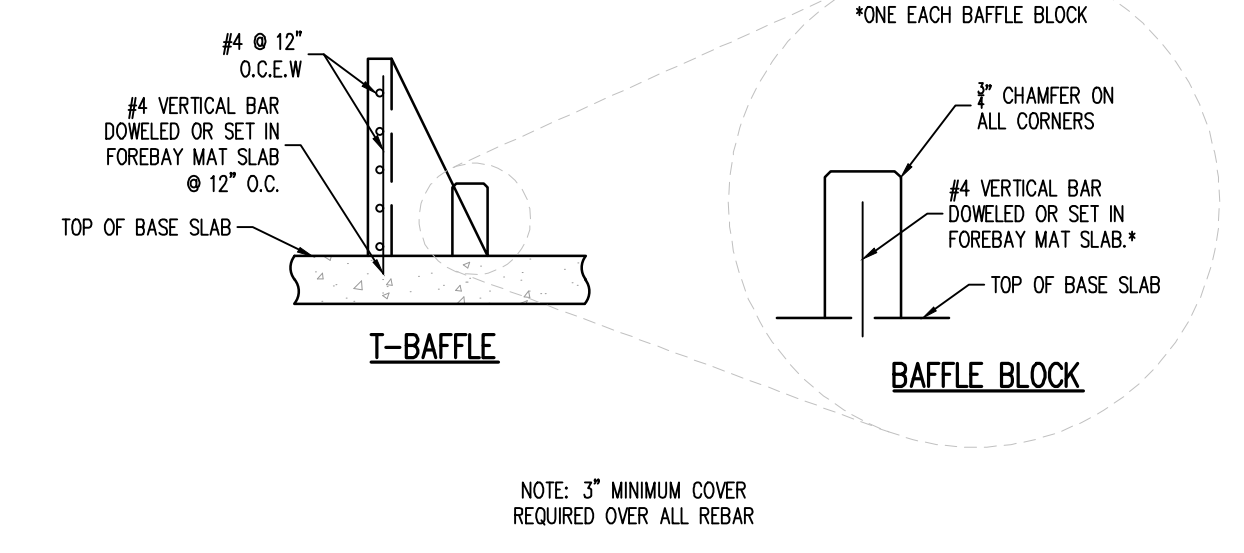
① FOREBAY B - PLAN
SCALE: 1"=3'



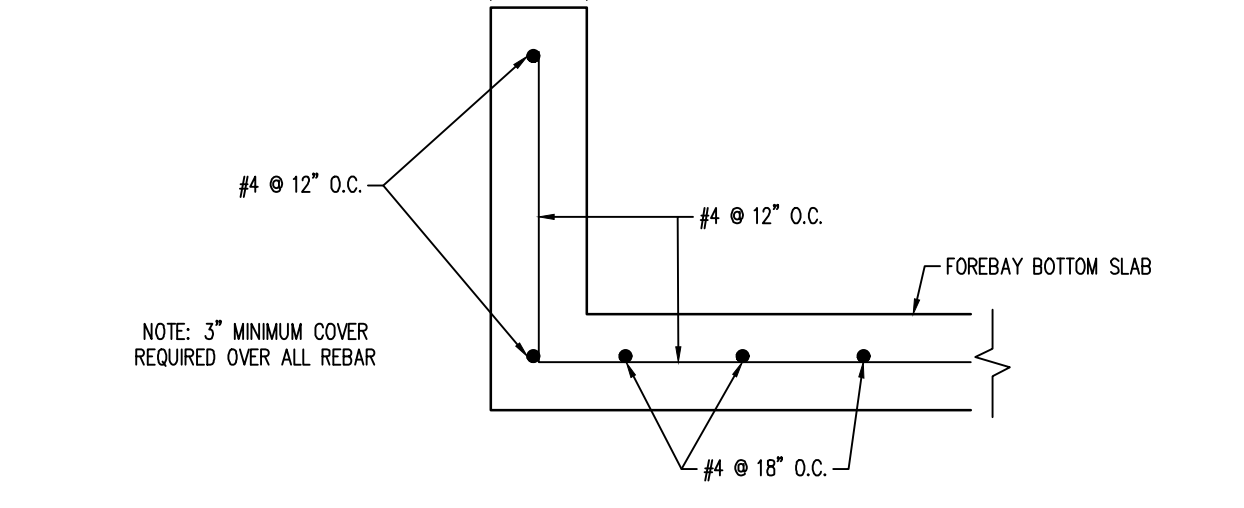
② FOREBAY B - SLOT DETAIL
NOT TO SCALE



③ FOREBAY B - PROFILE DETAIL
NOT TO SCALE



④ FOREBAY B - T-BAFFLES & BAFFLE BLOCKS REINFORCING DETAIL
NOT TO SCALE



⑤ FOREBAY B - REINFORCING DETAIL
NOT TO SCALE



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POND SR4 IMPROVEMENTS