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GRADING & EROSION CONTROL PLANS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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

MERIDIAN STORAGE, LLC

MERIDIAN STORAGE

FALCON RANCHETTES FILING NO. 2, 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 PLANS

SF-23-XXX



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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" NAVD88 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.

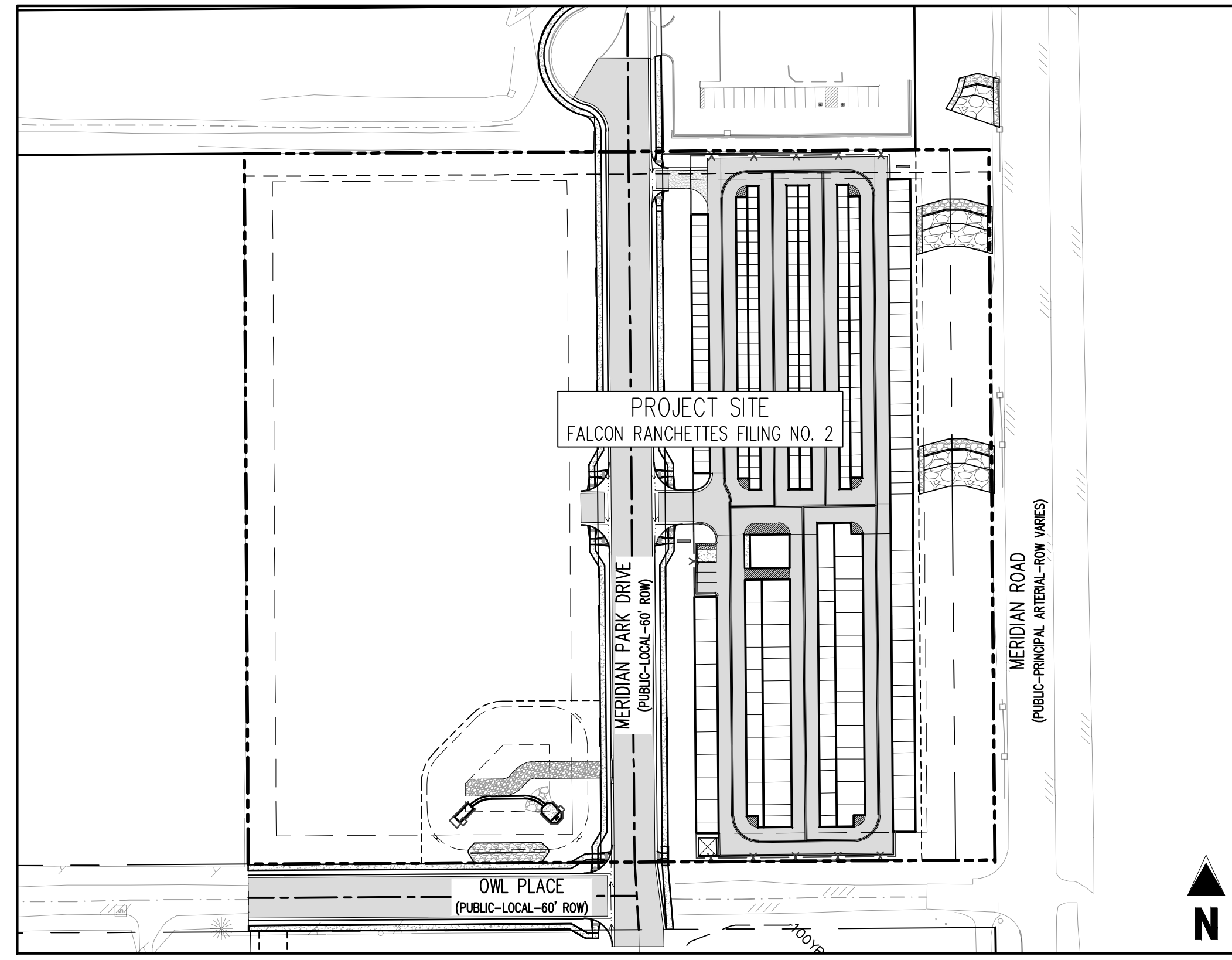
NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

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.

- PROJECT CONTACTS**
- PROPERTY OWNER**
 MIKE D. TEXER
 11750 OWL PLACE
 PEYTON, CO 80831
 TELE: (719) 641-9261
 CONTACT: MIKE D. TEXER
 EMAIL: MIKE.TEXER@GMAIL.COM
- APPLICANT**
 GALLOWAY & CO., INC.
 1155 KELLY JOHNSON BLVD., SUITE 305
 COLORADO SPRINGS, CO 80920
 TELE: (719) 900-7220
 CONTACT: CALEB JOHNSON
 EMAIL: CALEBJOHNSON@GALLOWAYUS.COM
- CIVIL ENGINEER**
 GALLOWAY & CO., INC.
 1155 KELLY JOHNSON BLVD., SUITE 305
 COLORADO SPRINGS, CO 80920
 TELE: (719) 900-7220
 CONTACT: BRADY SHYROCK, P.E.
 EMAIL: BRADYSHYROCK@GALLOWAYUS.COM
- LANDSCAPE ARCHITECT**
 GALLOWAY & CO., INC.
 1155 KELLY JOHNSON BLVD., SUITE 305
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 TELE: (719) 900-7220
 CONTACT: BRYNHILDEBRALSTEN@GALLOWAYUS.COM
- SURVEYOR**
 GALLOWAY & CO., INC.
 1155 KELLY JOHNSON BLVD., SUITE 305
 COLORADO SPRINGS, CO 80920
 TELE: (719) 900-7220
 CONTACT: BILL BROOKS
 EMAIL: BILLBROOKS@GALLOWAYUS.COM
- CITY & UTILITY CONTACTS**
- WATER**
 WOODMEN HILLS METRO DISTRICT
 8046 EASTONVILLE ROAD
 FALCON, CO 80831
 TELE: (719) 495-2500
 CONTACT: CODY RITTER
 EMAIL: CODY@WHMD.ORG
- WASTEWATER**
 WOODMEN HILLS METRO DISTRICT
 8046 EASTONVILLE ROAD
 FALCON, CO 80831
 TELE: (719) 495-2500
 CONTACT: CODY RITTER
 EMAIL: CODY@WHMD.ORG
- ELECTRIC**
 MOUNTAIN VIEW ELECTRIC ASSOCIATION
 11140 E. WOODMEN RD.,
 FALCON, CO 80831
 TELE: (800) 388-9881
 CONTACT: GINA PERRY
 EMAIL: GINA.P@MVEA.COOP
- NATURAL GAS**
 COLORADO SPRINGS UTILITIES
 7710 DURANT DRIVE, P.O. BOX 1103, MAIL CODE 2150
 COLORADO SPRINGS, CO 80947-2150
 (719) 688-6573
 CONTACT: ARRON CASANO
 EMAIL: ACASANO@CSU.ORG
- FIRE**
 FALCON FIRE PROTECTION DISTRICT
 7030 OLD MERIDIAN RD.,
 FALCON, CO 80831
 TELE: (719) 495-4050
 CONTACT: TREAT HARMING
 EMAIL: THARMING@FALCONFIREP.D.ORG

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



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.



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 EDCM 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 / EDCM ADMINISTRATOR
 DATE _____

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

MIKE D. TEXER
 DATE _____

ENGINEER'S STATEMENT

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

BRADY A. SHYROCK, COLORADO P.E. NO. 0038164
 DATE _____

#	Date	Issue / Description	Init.

Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: GEC

COVER SHEET

G0.0
 Sheet 1 of 19

MERIDIAN STORAGE, LLC, 11750 OWL PLACE, PEYTON, CO 80831. ENGINEER: BRADY A. SHYROCK, P.E., LICENSE NO. 0038164. DATE: 09/20/2023.

TRACT A, BENT GRASS EAST COMMERCIAL, FIL NO 2
 OWNER: BENT GRASS METRO DISTRICT
 TAX SCHEDULE # 530101062

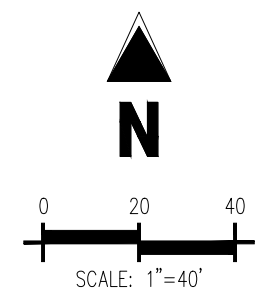
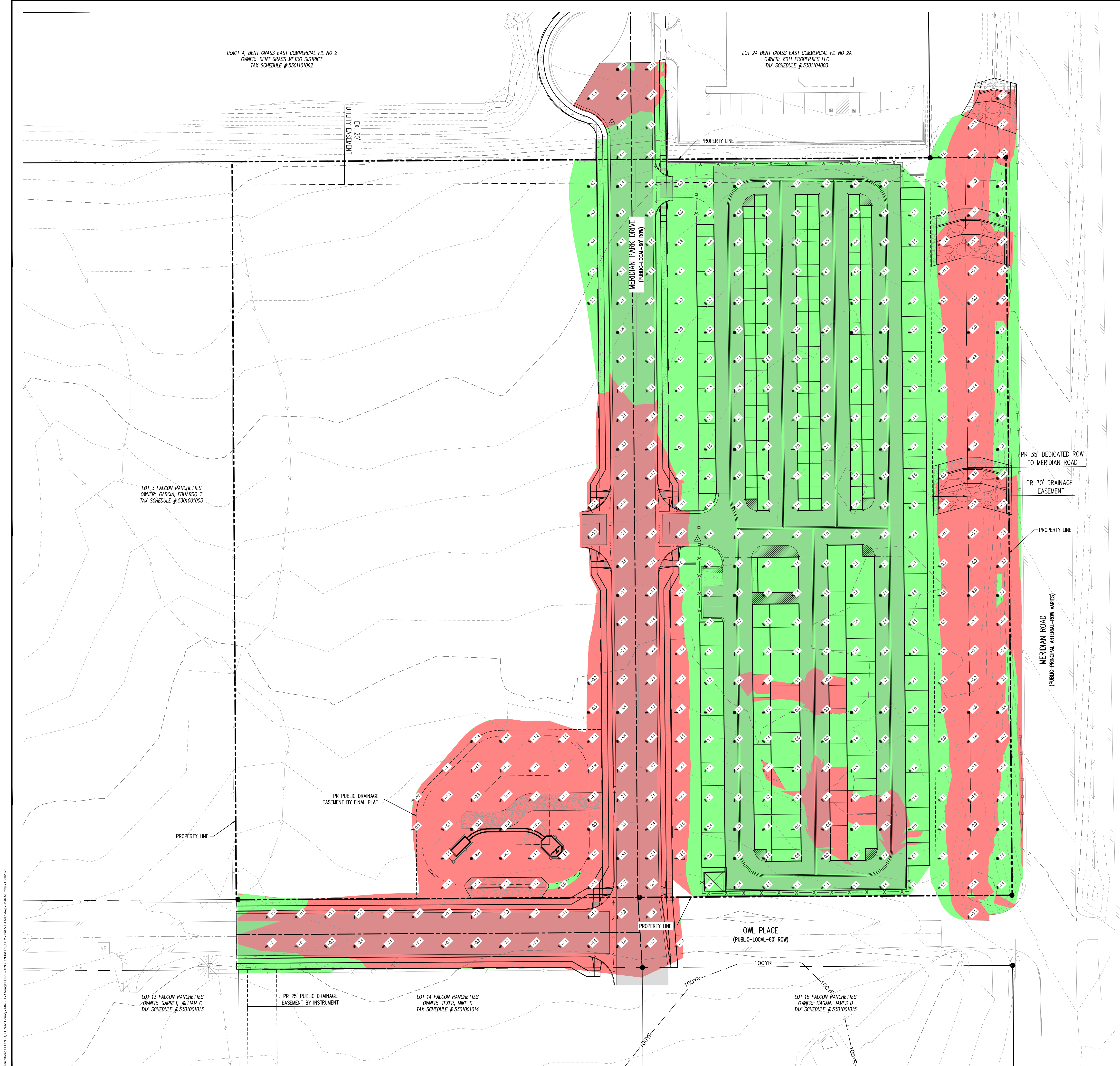
LOT 2A BENT GRASS EAST COMMERCIAL, FIL NO 2A
 OWNER: BENT GRASS METRO DISTRICT
 TAX SCHEDULE # 530104003

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

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

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

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



LEGEND

	AREAS OF CUT
	AREAS OF FILL

CUT & FILL SUMMARY	
CUT	10,184.33 CY
FILL	13,525.37 CY
NET	3,341.04 CY (FILL)

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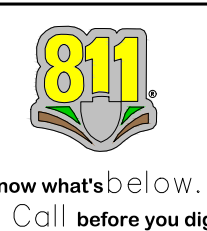
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
 EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

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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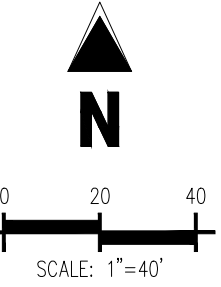
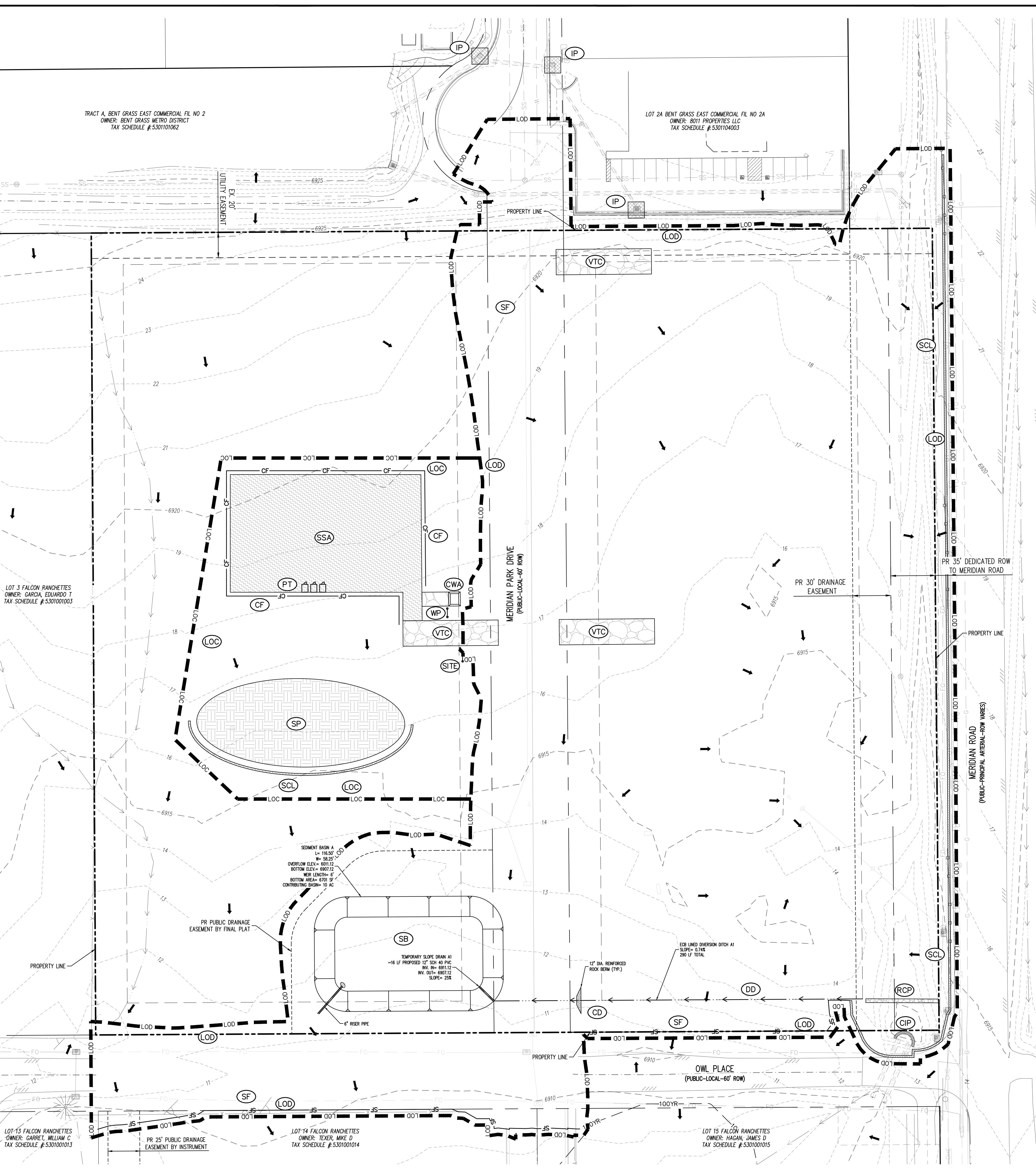
Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: GEC



#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	GEC

INITIAL EROSION CONTROL PLAN



EROSION CONTROL LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- FLOW ARROW
- PROPOSED GRAVEL PER ECM TABLE D-7
- PERMANENT LANDSCAPING
- DIVERSION DITCH
- LIMITS OF DISTURBANCE/CONSTRUCTION
- VEHICLE TRACKING CONTROL
- CONCRETE WASHOUT AREA
- STABILIZED STAGING AREA
- SEED AND MULCH
- SEDIMENT CONTROL LOG
- STOCKPILE PROTECTION
- INLET PROTECTION
- CULVERT INLET PROTECTION
- ROCK SOCKS
- SILT FENCE
- CONSTRUCTION FENCE
- SEDIMENT BASIN
- CHECK DAM
- COMPOST BLANKET (APPROXIMATE)
- RIPRAP OUTFALL PADS
- PORTABLE TOILET
- SITE POSTING (CONTACTS AND PERMITS)
- WASHOUT POSTING
- STRAW BALE BARRIER
- EROSION MEASURE INSTALLED IN EARLIER PHASE
- 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 ECM 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

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


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.

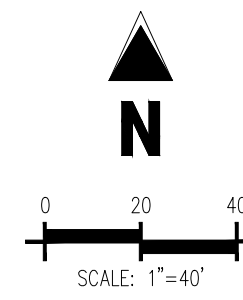
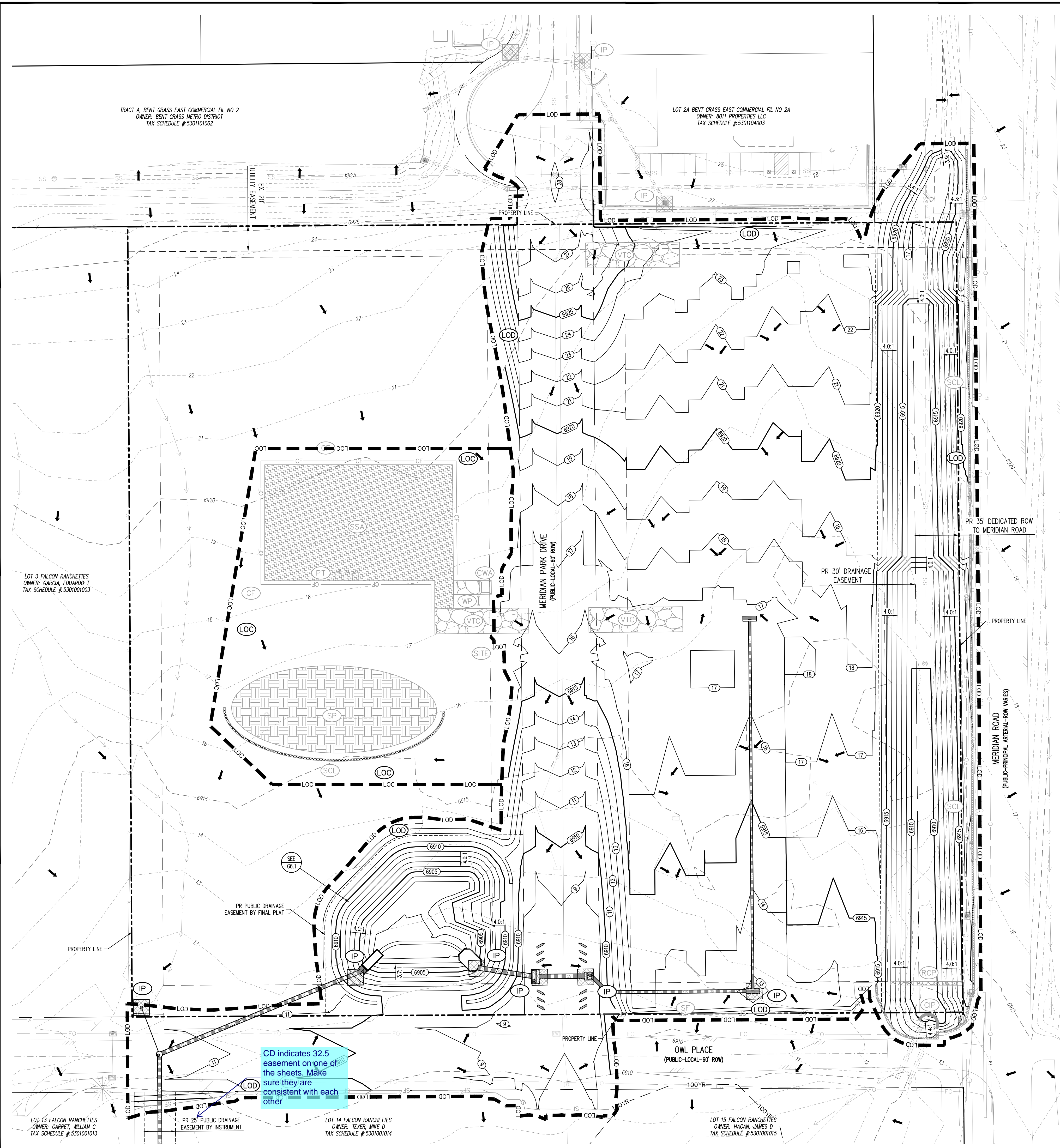
NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY COMPANY AND CITY PRIOR TO BEGINNING WORK AND IS RESPONSIBLE FOR ALL MATERIALS, LABOR, REPAIRS, ETC. TO COMPLETE WORK AND RESTORE AREA TO SAME STATE PRIOR TO STARTING WORK.

EROSION CONTROL PHASING SCHEDULE

PHASE	DESCRIPTION
INITIAL	Mobilize equipment to stabilize staging area. Install vehicle tracking control, silt fence, inlet protection measures on existing inlets, and curb socks. Construct sediment basin with temporary diversion ditch as shown then overlot/grade entire site.
INTERM	Convert existing sediment basin to proposed water quality pond with all permanent control measures. Then, install all proposed storm control measures once utilities are installed.
FINAL	Construct curb/gutter and pavement. Construct gas/electric/cable/phone in row areas. Remove construction BMP's once vertical construction of storage units and applicable landscaping is complete and final stabilization is achieved.

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



- EROSION CONTROL LEGEND**
- 5460— EXISTING MAJOR CONTOUR
 - 52— EXISTING MINOR CONTOUR
 - 5465— PROPOSED MAJOR CONTOUR
 - 60— PROPOSED MINOR CONTOUR
 - FLOW ARROW
 - ▨ PROPOSED GRAVEL PER ECM TABLE D-7
 - Ⓞ LS PERMANENT LANDSCAPING
 - ↙ DD DIVERSION DITCH
 - 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
 - Ⓞ ECB COMPOST BLANKET (APPROXIMATE)
 - Ⓞ RR RIPRAP OUTFALL PADS
 - Ⓞ PT PORTABLE TOILET
 - Ⓞ SITE SITE POSTING (CONTACTS AND PERMITS)
 - Ⓞ WP WASHOUT POSTING
 - Ⓞ SBB STRAW BALE BARRIER
 - Ⓞ 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
 - X X X X 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

- 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
 - FO+ 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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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.

EROSION CONTROL PHASING SCHEDULE

PHASE	DESCRIPTION
INITIAL	Mobilize equipment to stabilized staging area. Install vehicle tracking control, silt fence, inlet protection measures on existing inlets, and curb socks. Construct sediment basin with temporary diversion ditch as shown then overtop grade entire site.
INTERM	Convert existing sediment basin to proposed water quality pond with all permanent control measures. Then, install all proposed storm control measures once utilities are installed.
FINAL	Construct curb/gutter and pavement. Construct gas/electric/cable/phone in row areas. Remove construction BMP's once vertical construction of storage units and applicable landscaping is complete and final stabilization is achieved.

CAUTION - NOTICE TO CONTRACTOR

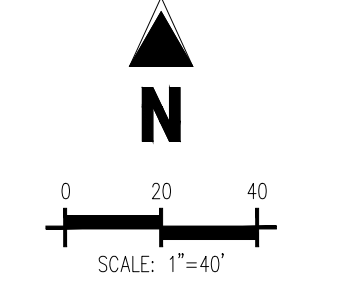
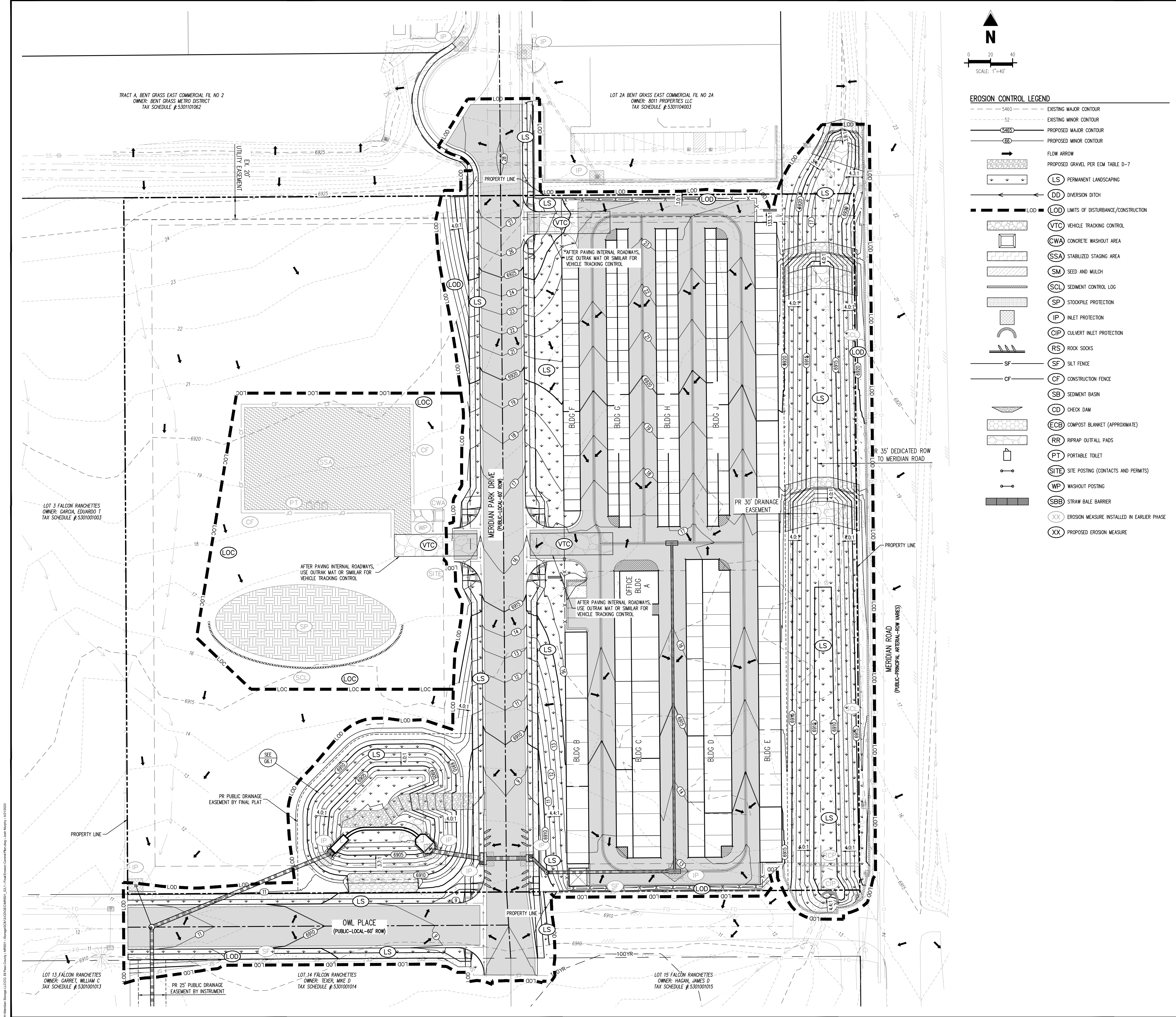
- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER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



#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: GEC

INTERIM EROSION CONTROL PLAN



EROSION CONTROL LEGEND

- 5460 — EXISTING MAJOR CONTOUR
- 52 — EXISTING MINOR CONTOUR
- 5485 — PROPOSED MAJOR CONTOUR
- 66 — PROPOSED MINOR CONTOUR
- FLOW ARROW
- █ PROPOSED GRAVEL PER ECM TABLE D-7
- LS PERMANENT LANDSCAPING
- ← DD DIVERSION DITCH
- 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
- █ ECB COMPOST BLANKET (APPROXIMATE)
- █ RR RIPRAP OUTFALL PADS
- █ PT PORTABLE TOILET
- █ SITE SITE POSTING (CONTACTS AND PERMITS)
- █ WP WASHOUT POSTING
- █ SBB STRAW BALE BARRIER
- 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
- X X X X 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

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
- GHE — EXISTING OVERHEAD ELECTRIC
- FO — 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

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

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.

EROSION CONTROL PHASING SCHEDULE	
PHASE	DESCRIPTION
INITIAL	Mobilize equipment to stabilized staging area. Install vehicle tracking control, silt fence, inlet protection measures on existing inlets, and curb socks. Construct sediment basin with temporary diversion ditch as shown then overlot grade entire site.
INTERM	Convert existing sediment basin to proposed water quality pond with all permanent control measures. Then, install all proposed storm control measures once utilities are installed.
FINAL	Construct curb/gutter and pavement. Construct gas/electric/cable/phone in row areas. Remove construction BMP's once vertical construction of storage units and applicable landscaping is complete and final stabilization is achieved.

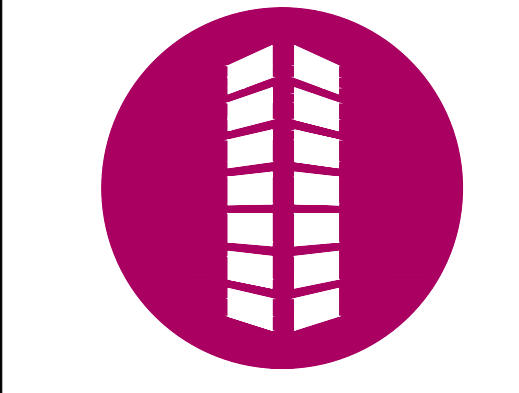
CAUTION - NOTICE TO CONTRACTOR

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-HOLES OR A TERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



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GRADING & EROSION CONTROL PLANS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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

#	Date	Issue / Description	Init.

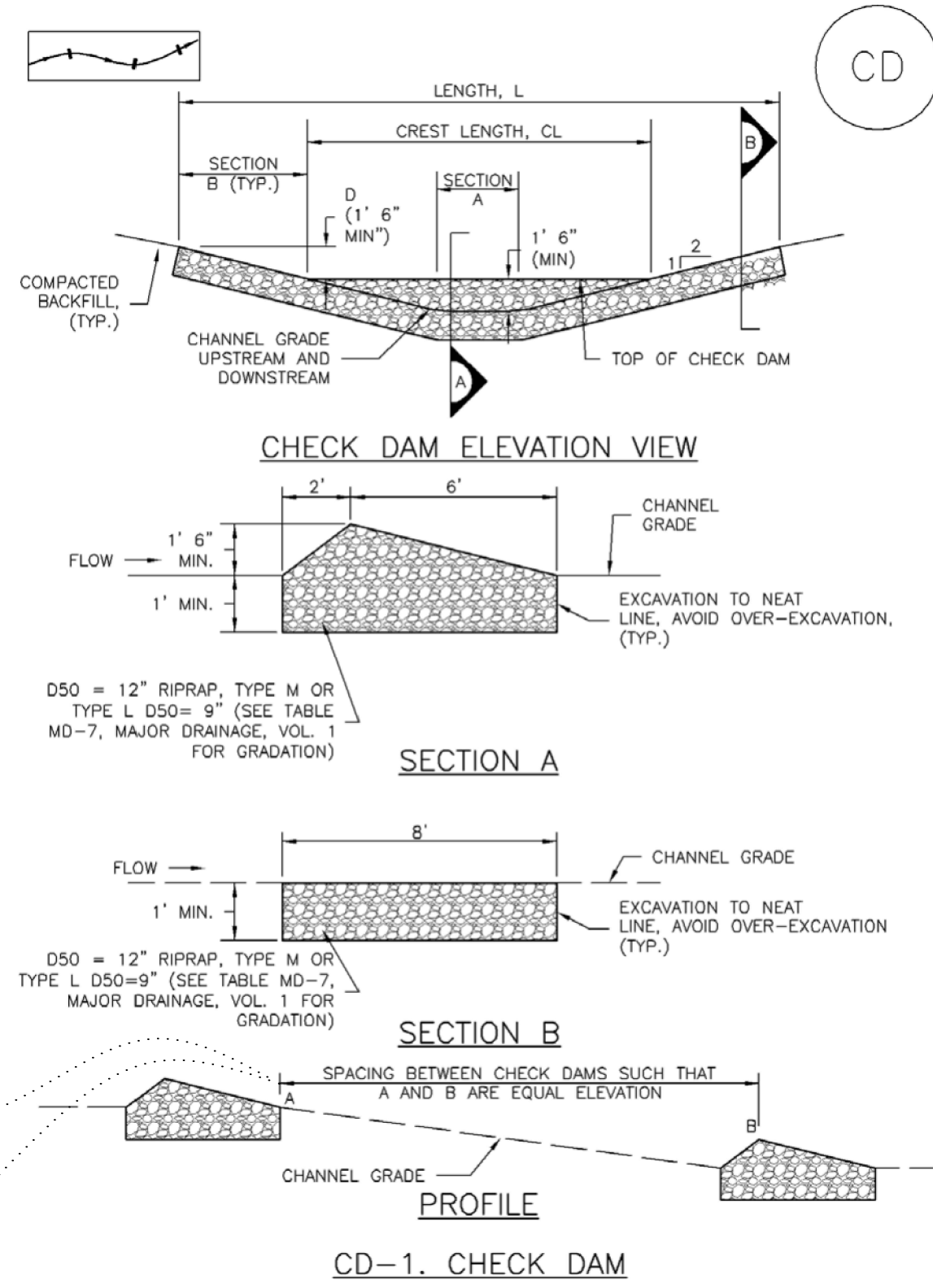
Project No: MRS01
 Drawn By: JDM
 Checked By: CMWJ
 Date: GEC

FINAL EROSION CONTROL PLAN

G3.1
 Sheet 6 of 19

Check Dams (CD)

EC-12



SLOPE OF DITCH FLOW LINE	SPACING (FT) (H = 1.5 FT)
1%	150.00
2%	75.00
3%	50.00
4%	37.50
5%	30.00
6%	25.00
7%	21.50
8%	18.75

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EC-12

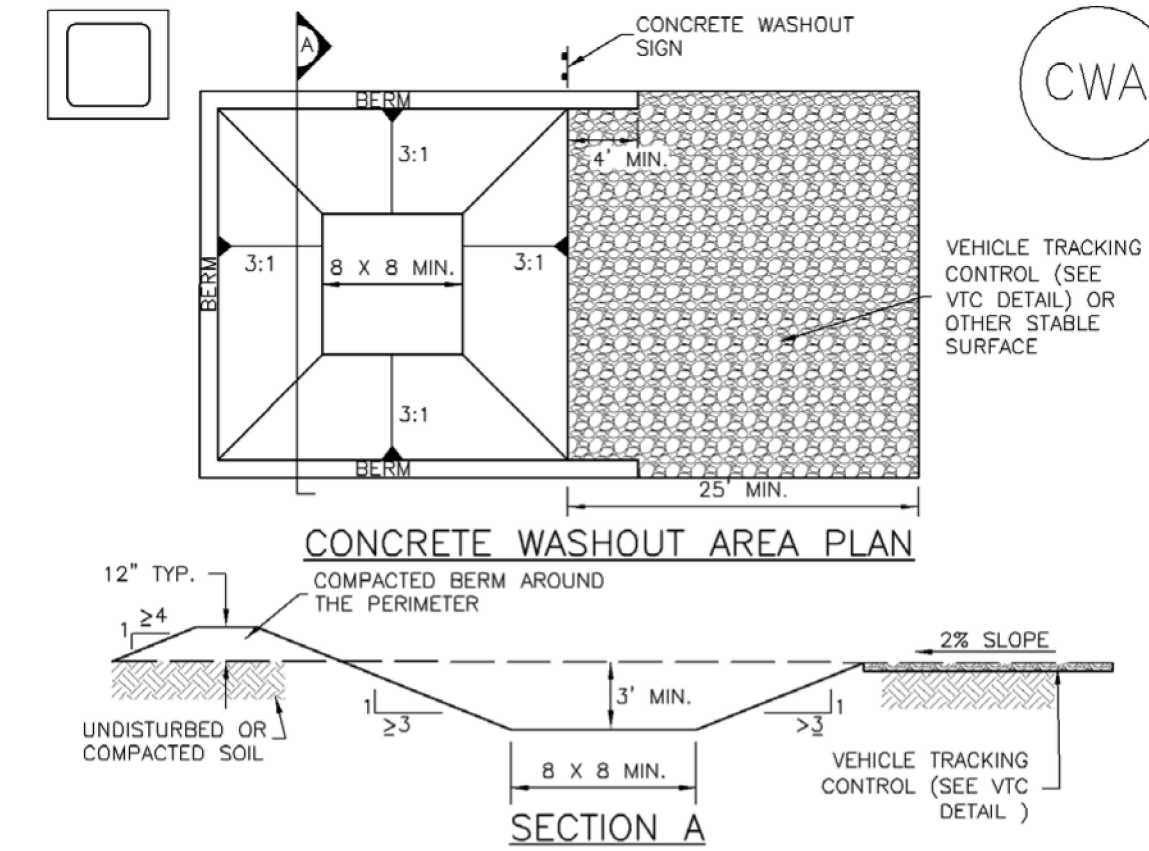
Check Dams (CD)

- 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

Concrete Washout Area (CWA)

MM-1

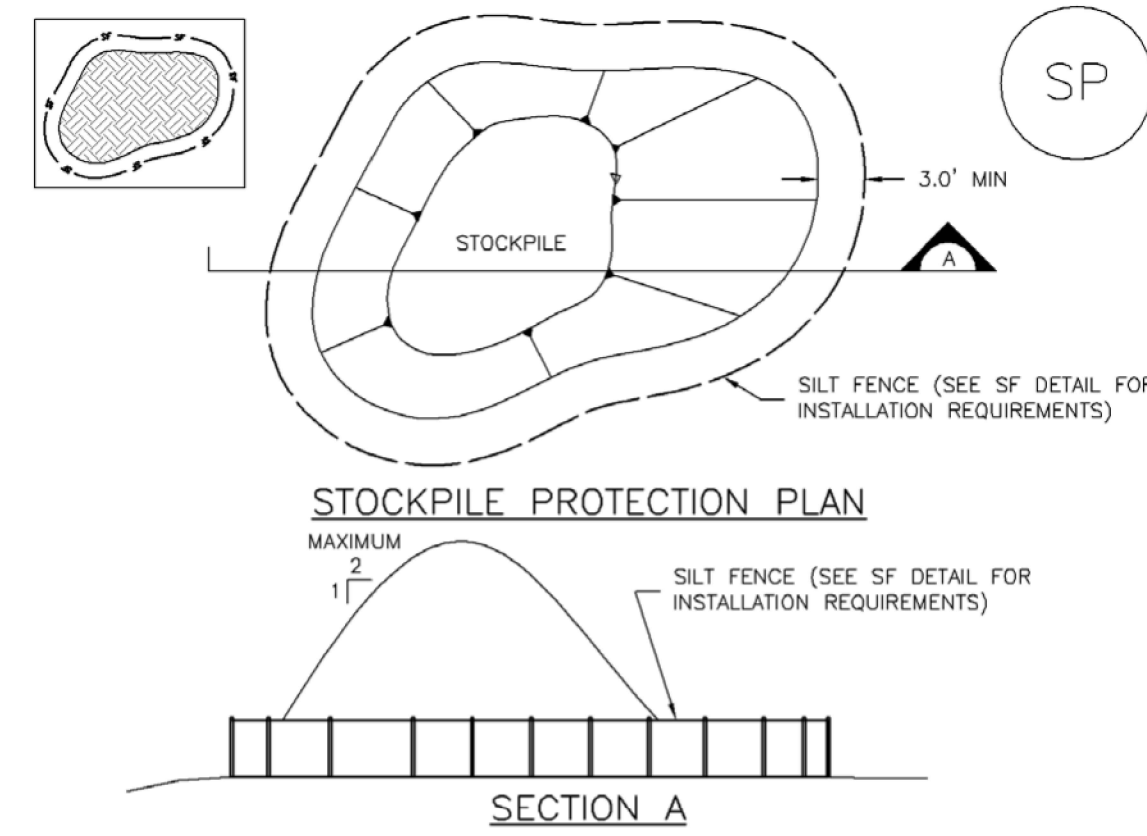


- CWA-1. CONCRETE WASHOUT AREA**
- CWA INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - CWA INSTALLATION LOCATION
 - DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, 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.

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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 DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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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.
 - 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.
- (DETAILS ADAPTED FROM 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.

SP-4 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.
- (DETAILS 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.

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

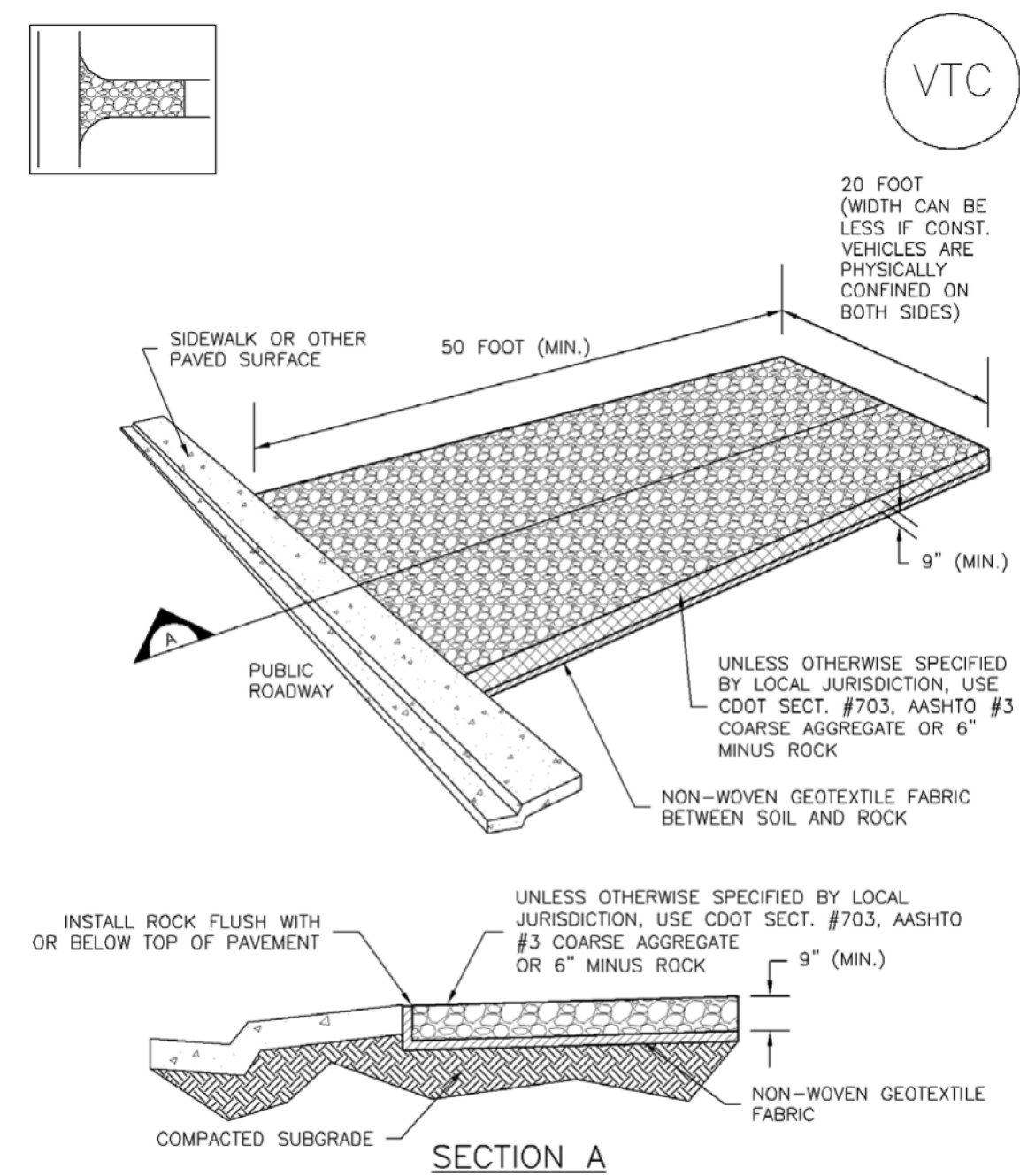


#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
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Date: GEC

EROSION CONTROL DETAILS

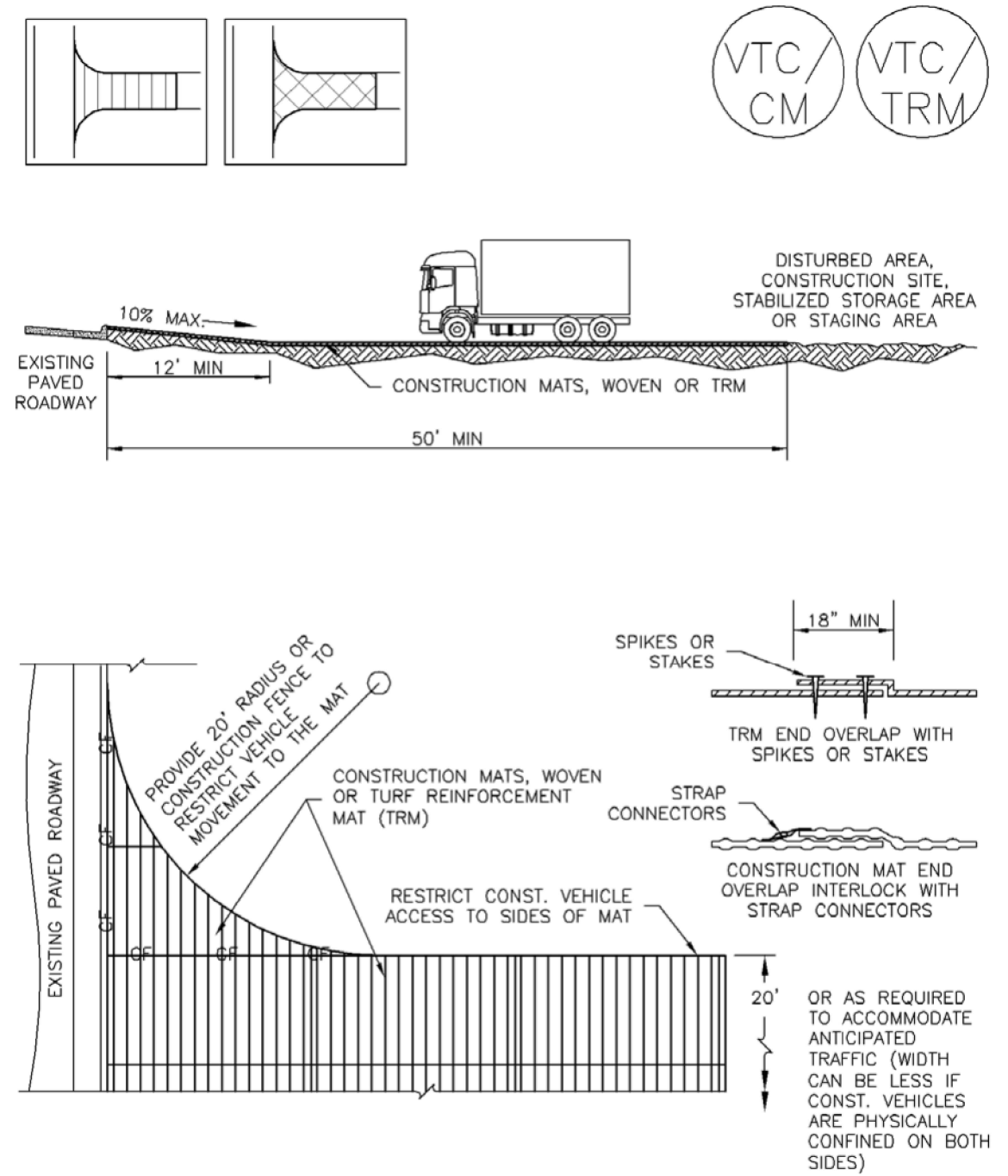
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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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 VTC-5
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SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. 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).
2. 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.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
6. 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

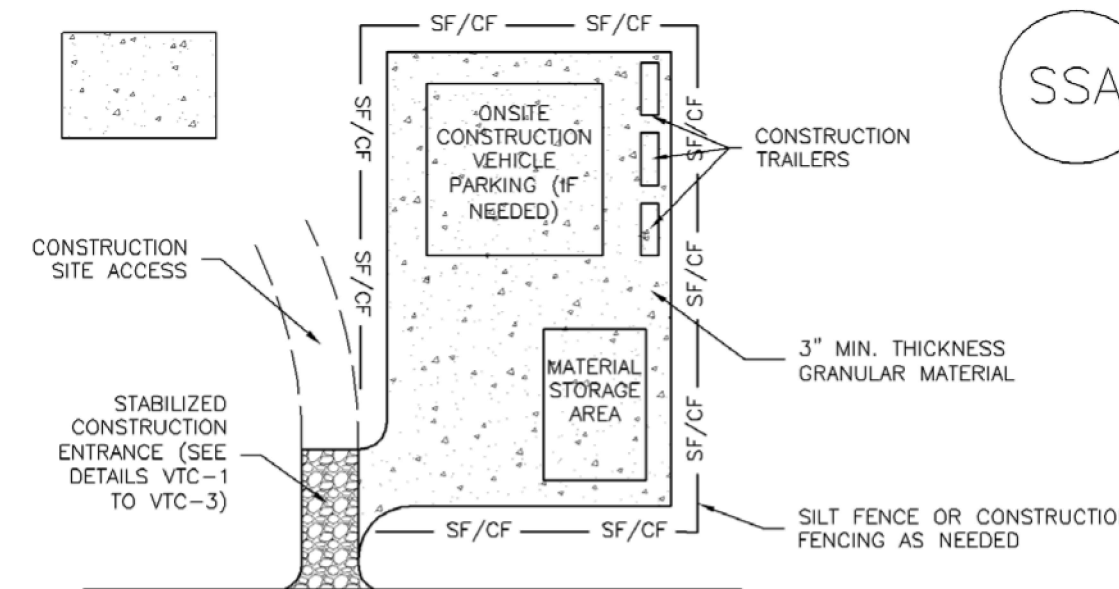
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS 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 SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
5. 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)

VTC-6 Urban Drainage and Flood Control District November 2010
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Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
 - LOCATION OF STAGING AREA(S).
 - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA 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 SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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SM-6 Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
6. 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)

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

T-2 Grass Swale

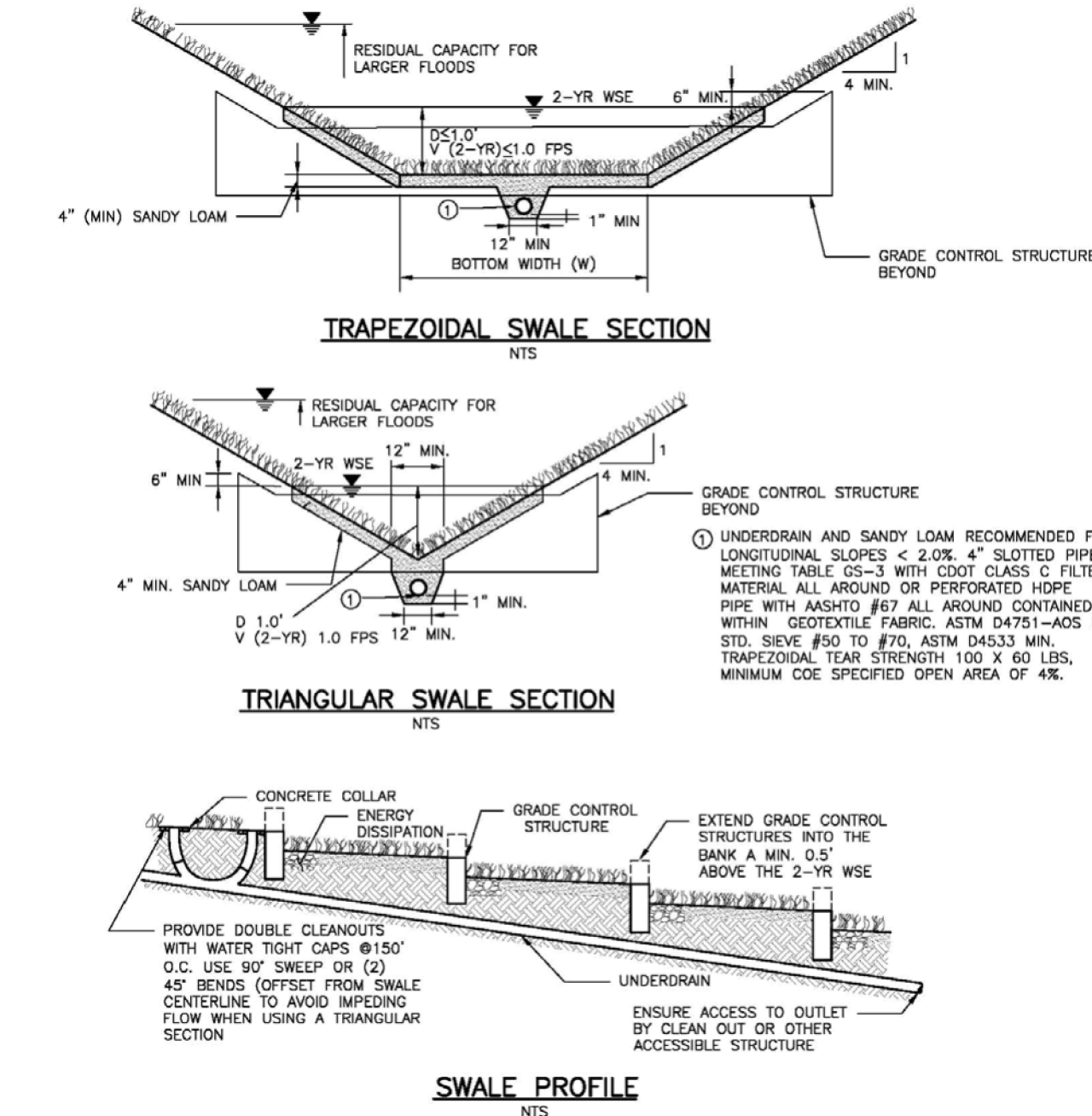


Figure GS-1. Grass Swale Profile and Sections

Design Example

The UD-BMP workbook, designed as a tool for both designer and reviewing agency is available at www.udfcd.org. This section provides a completed design form from this workbook as an example.

GS-6 Urban Drainage and Flood Control District November 2010
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GRADING & EROSION CONTROL PLANS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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

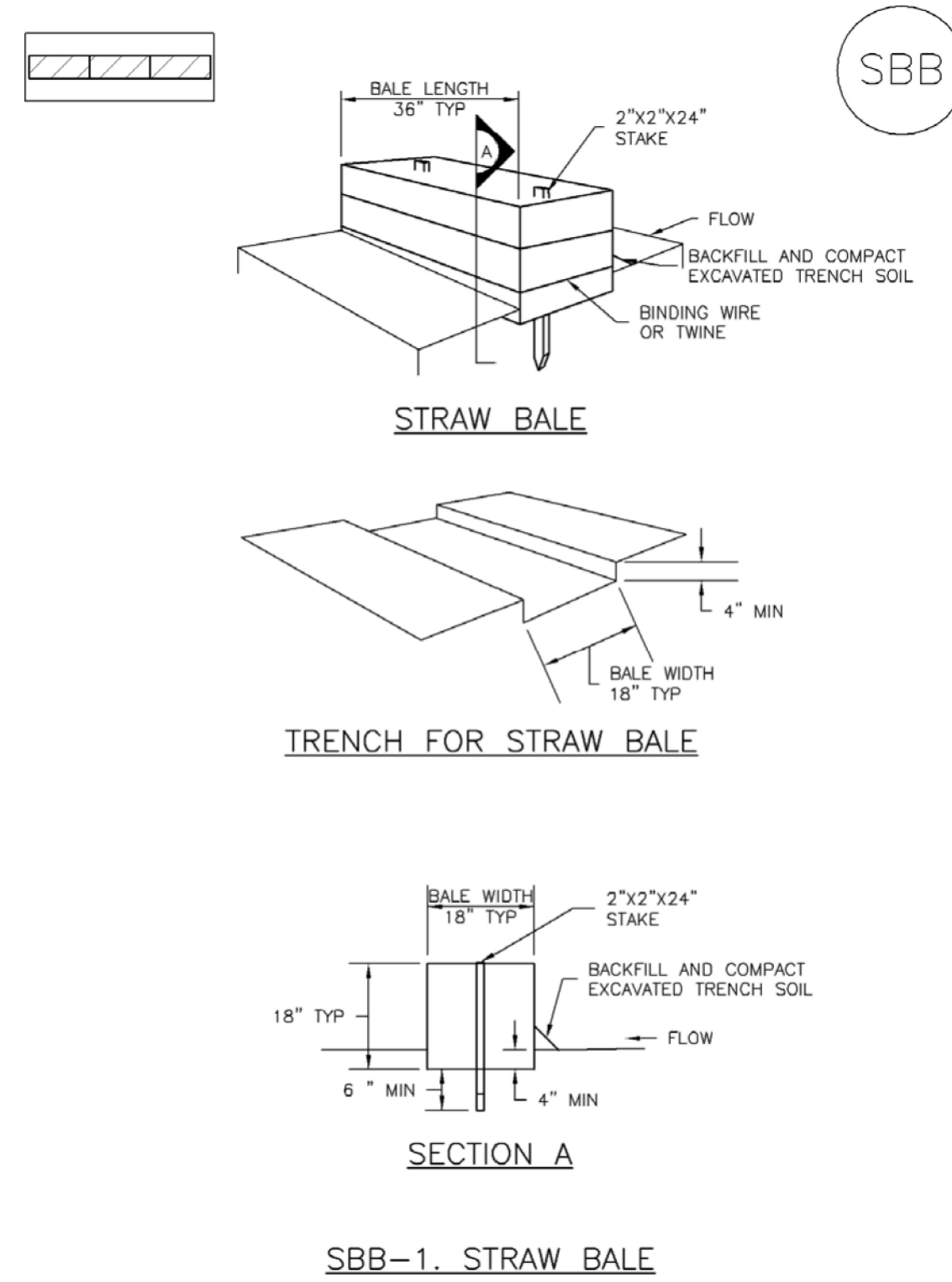
#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: GEC

EROSION CONTROL DETAILS

SC-3

Straw Bale Barrier (SBB)



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

Straw Bale Barrier (SBB)

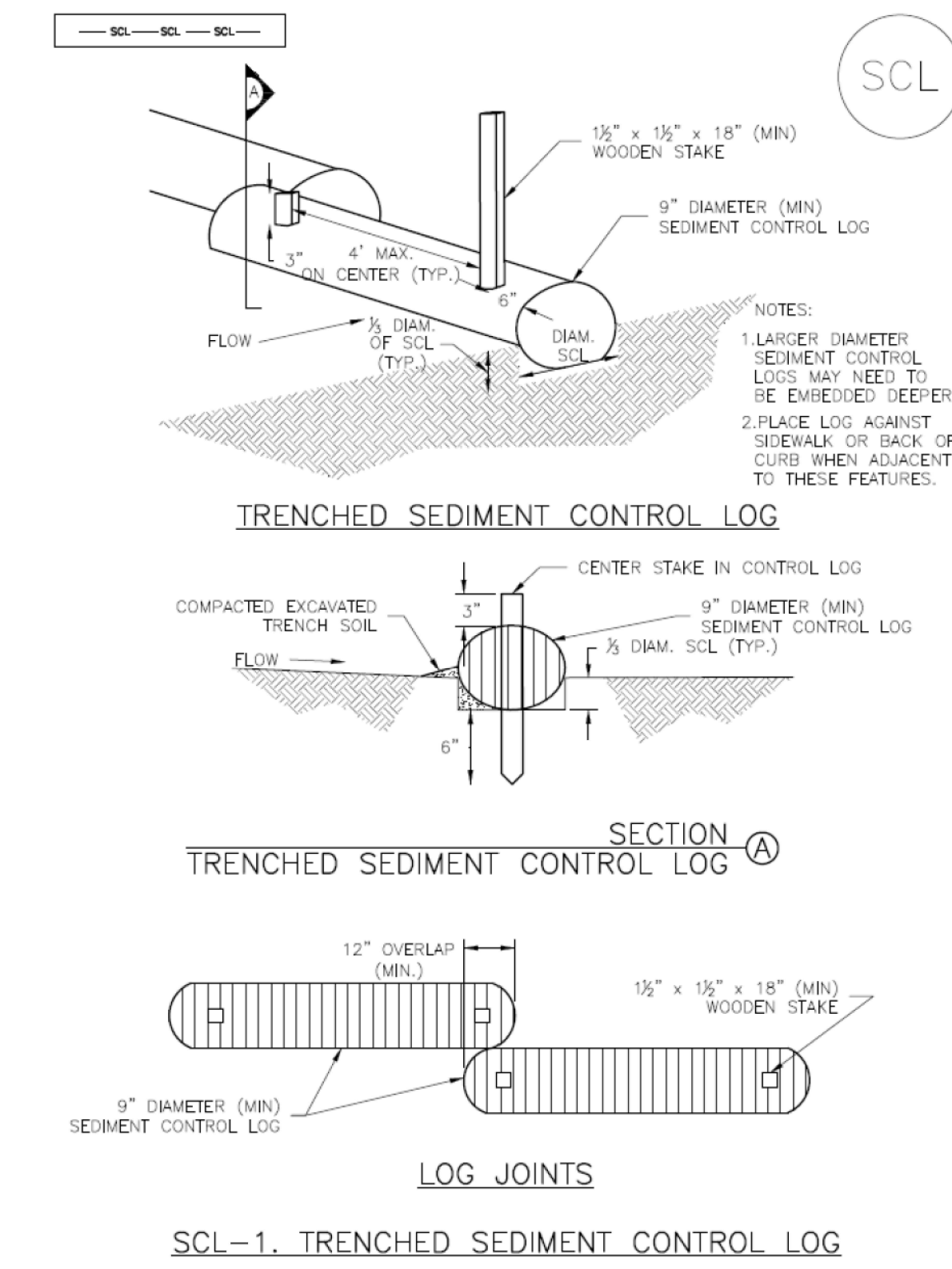
SC-3

- 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)

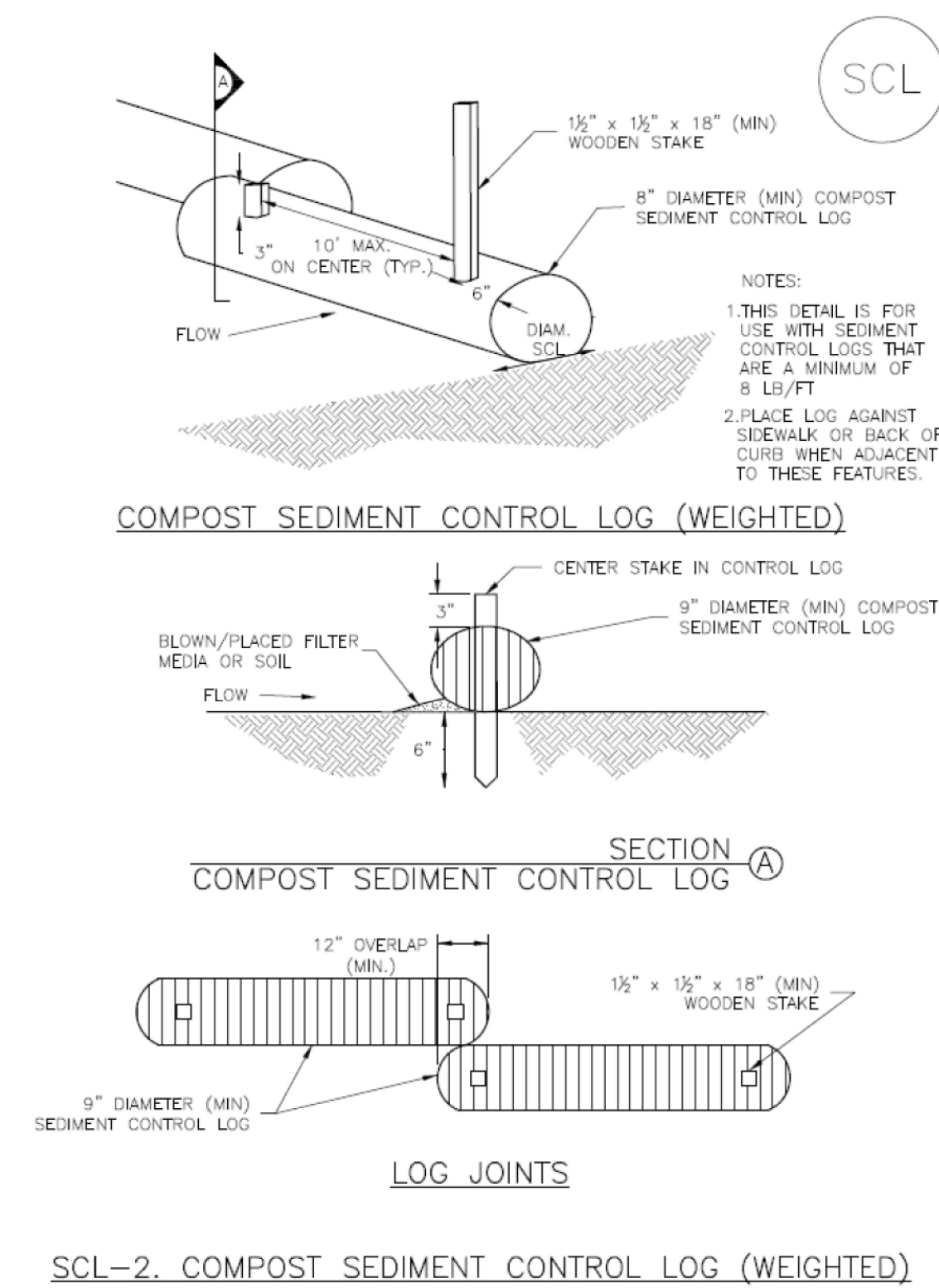
SC-2



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

SC-2

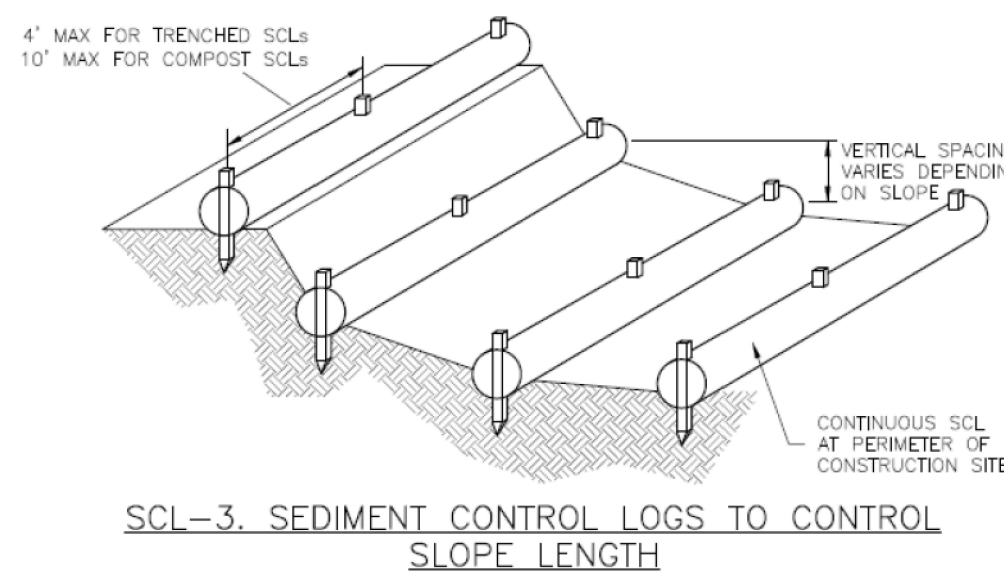
Sediment Control Log (SCL)



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 LAND-DISTURBING 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 1/2 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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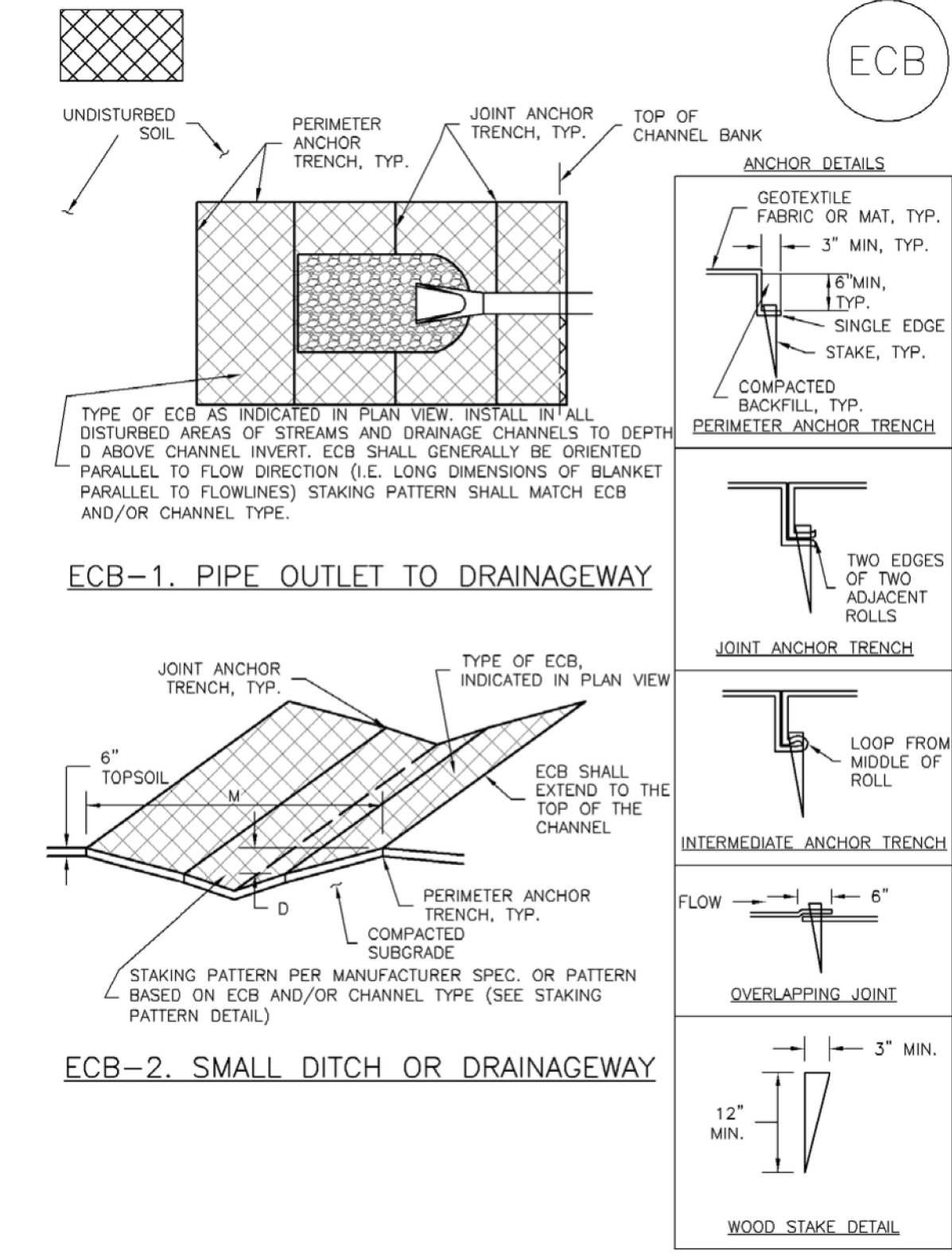
GRADING & EROSION CONTROL PLANS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: GEC

EROSION CONTROL
DETAILS

EC-6 Rolled Erosion Control Products (RECP)



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

Rolled Erosion Control Products (RECP) EC-6

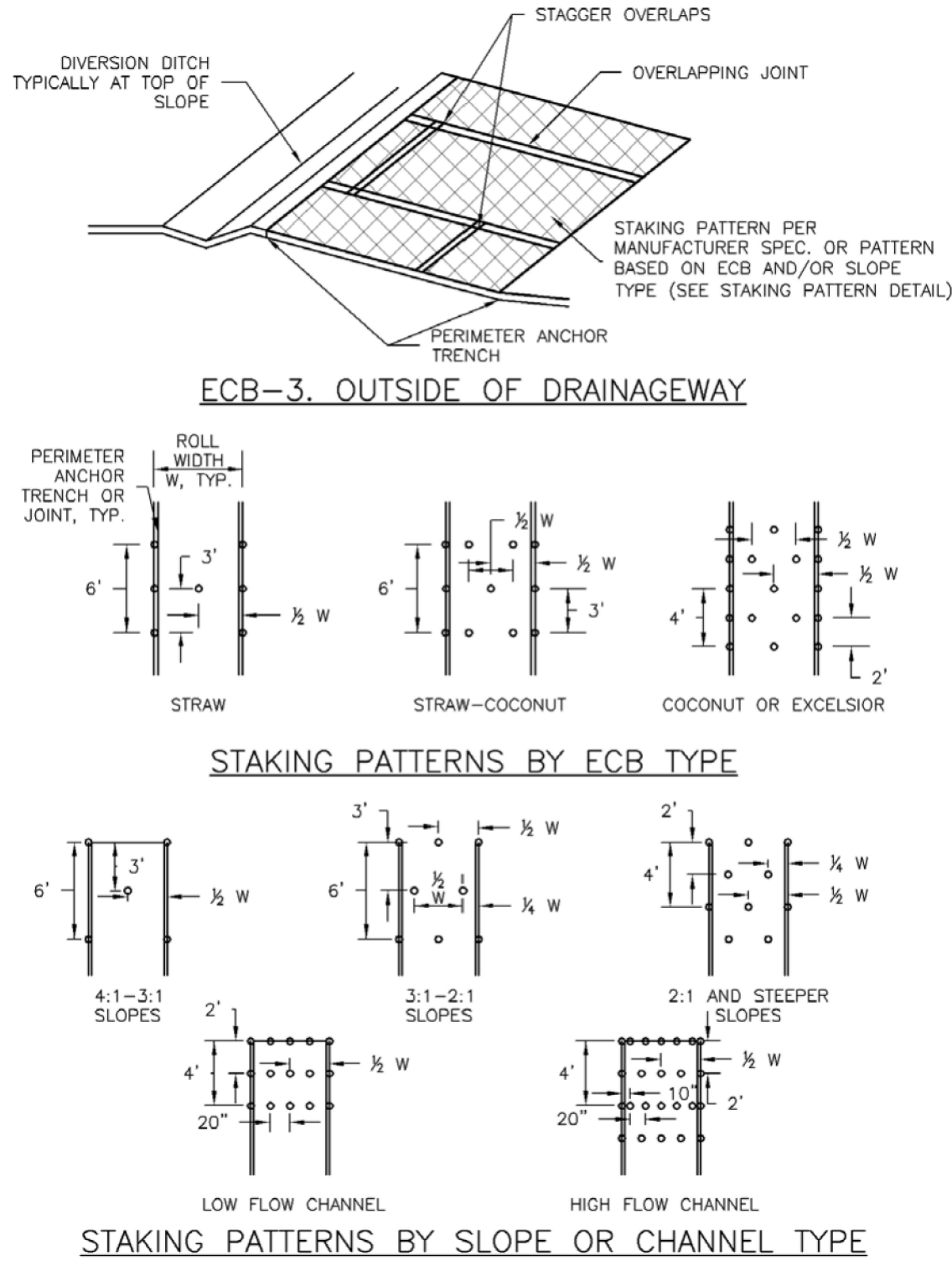
EROSION CONTROL BLANKET MAINTENANCE NOTES

- 1. INSPECT BMPs EACH WORKDAY...
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs...
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE...
5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED...

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

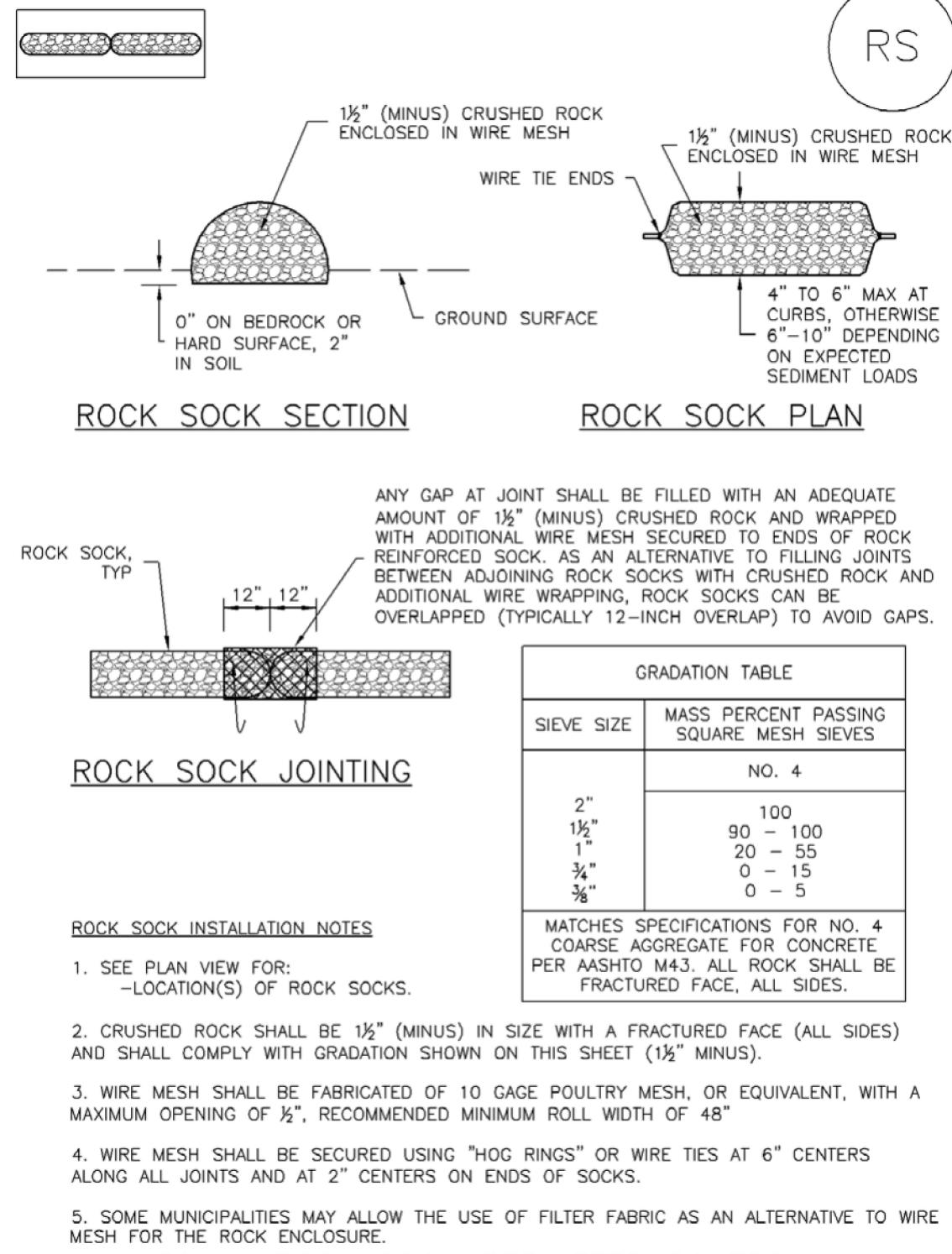
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-9

Rolled Erosion Control Products (RECP) EC-6



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

Rock Sock (RS) SC-5



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

EC-6 Rolled Erosion Control Products (RECP)

EROSION CONTROL BLANKET INSTALLATION NOTES

- 1. 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.
2. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs...
3. IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING...
4. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.

TABLE ECB-1. ECB MATERIAL SPECIFICATIONS. Table with 5 columns: TYPE, COCONUT CONTENT, STRAW CONTENT, EXCELSIOR CONTENT, RECOMMENDED NETTING**.

RECP-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

- 1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION...
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs...
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...
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.

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

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

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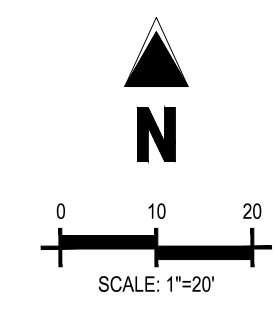
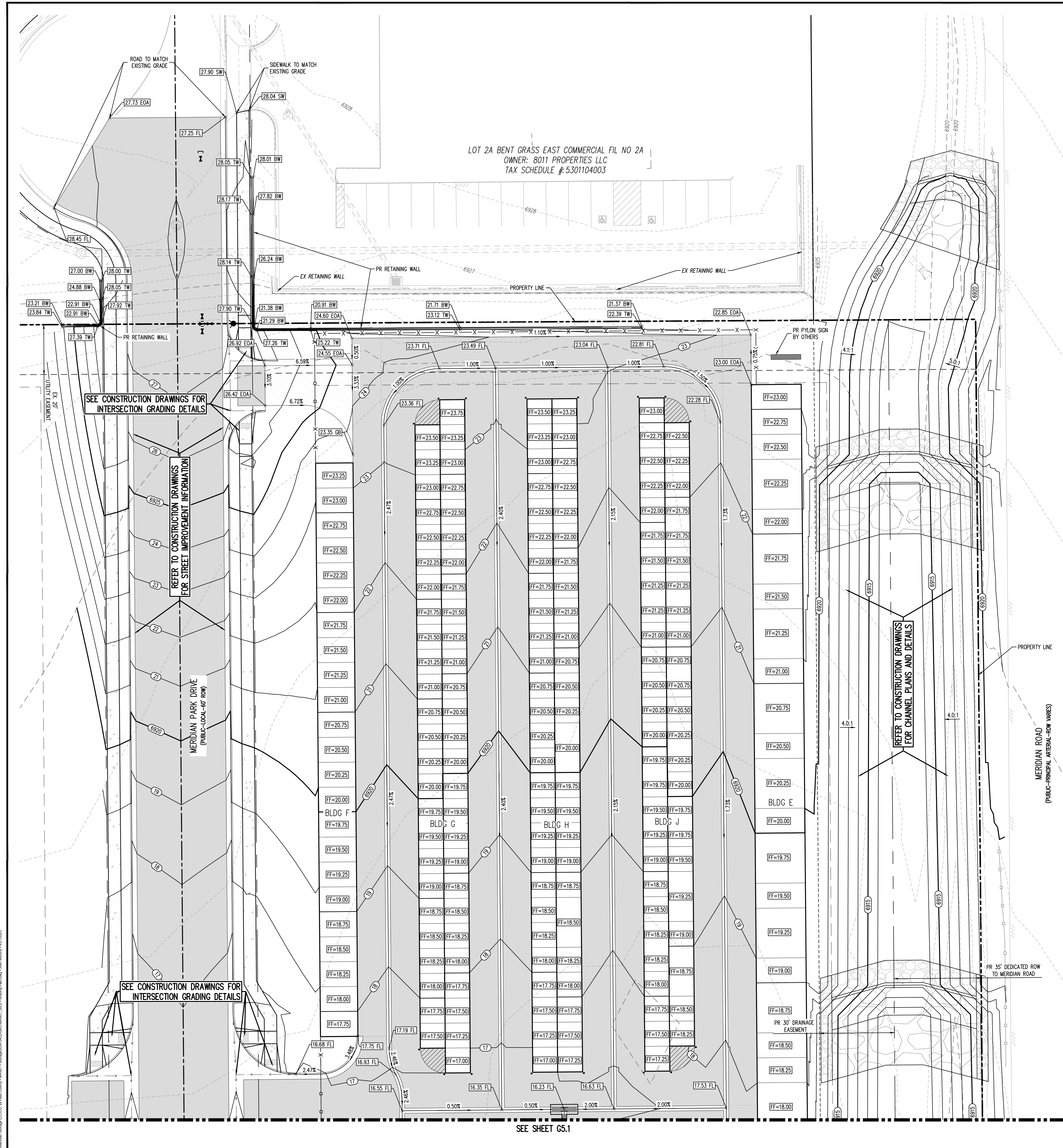
GRADING & EROSION CONTROL PLANS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX
STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
EL PASO COUNTY, FALCON, CO 80931

Table with 3 columns: #, Date, Issue / Description, Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: GEC

EROSION CONTROL
DETAILS

G4.6
Sheet 12 of 19



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
	EXISTING TELEPHONE PEDESTAL
	EXISTING ELECTRIC TRANSFORMER
	EXISTING POWER POLE
	EXISTING STREET LIGHT
	PROPOSED STREET LIGHT
	EXISTING WATER METER
	EXISTING WATER VALVE
	PROPOSED WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING STORM SEWER MANHOLE
	PROPOSED STORM SEWER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER MANHOLE

GRADING LEGEND

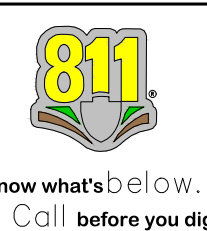
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
2.00%	EXISTING SLOPE - PERCENT
4:1	EXISTING SLOPE - RISE/RUN
2.00%	PROPOSED SLOPE - PERCENT
4:1	PROPOSED SLOPE - RISE/RUN
89.00 HP	PROPOSED SPOT ELEVATION - HIGH POINT
89.00 LP	PROPOSED SPOT ELEVATION - LOW POINT
89.00 TOB	PROPOSED SPOT ELEVATION - TOP OF BERM
89.00 FL	PROPOSED SPOT ELEVATION - FLOW LINE
89.00 TG	PROPOSED SPOT ELEVATION - TOP OF GRATE
89.00 FG	PROPOSED SPOT ELEVATION - FINISHED GRADE
89.00 SW	PROPOSED SPOT ELEVATION - SIDEWALK
89.00 EOC	PROPOSED SPOT ELEVATION - EDGE OF CONCRETE
89.00 EOA	PROPOSED SPOT ELEVATION - EDGE OF ASPHALT
89.00 ME	PROPOSED SPOT ELEVATION - MATCH EXISTING

SITE LEGEND

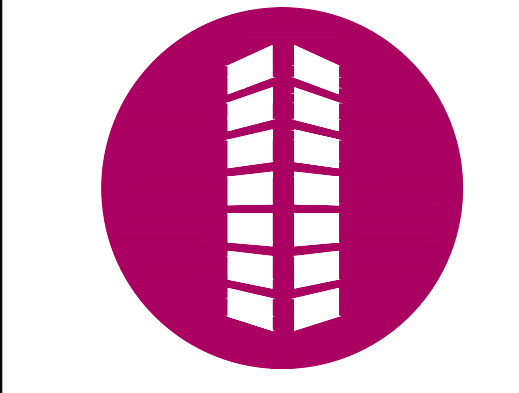
---	PROJECT BOUNDARY LINE
---	ADJACENT PROPERTY BOUNDARY LINE
---	RIGHT OF WAY LINE
---	EXISTING ADJACENT LOT LINE
---	PROPOSED LOT LINE
---	EXISTING EASEMENT LINE
---	PROPOSED EASEMENT LINE
---	PROPOSED ROAD CENTERLINE
---	EXISTING ROAD CENTERLINE
---	PROPOSED RIDGE LINE
---	PROPOSED SWALE LINE
---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

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

CAUTION - NOTICE TO CONTRACTOR
 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.



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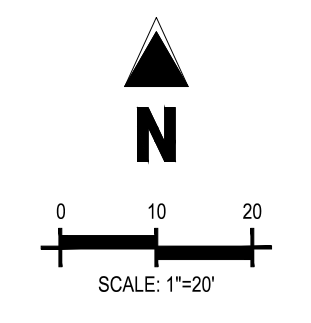
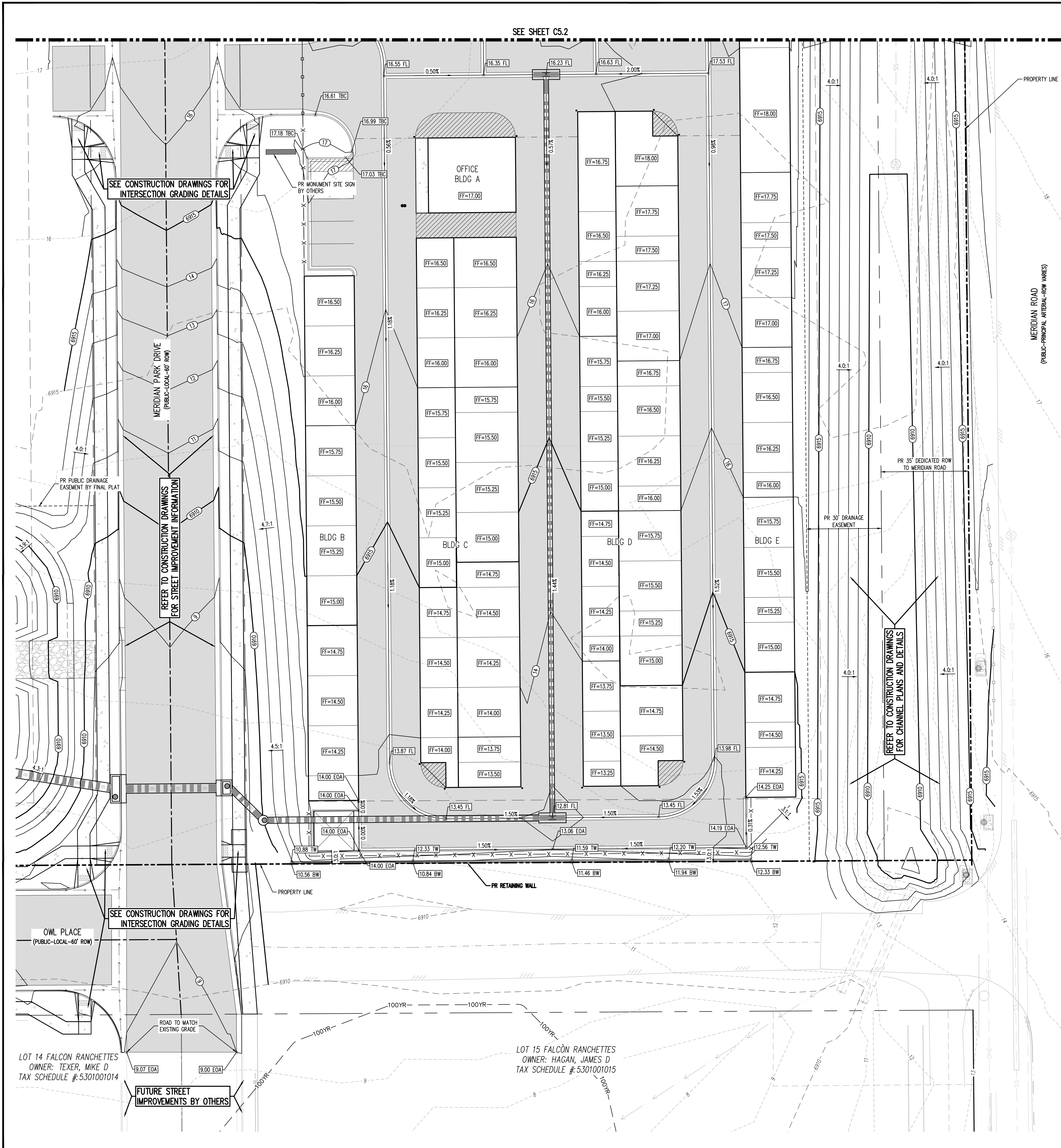
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#	Date	Issue / Description	Init.

Project No:	MRS01
Drawn By:	JDM
Checked By:	CMWJ
Date:	GEIC

GRADING PLAN

Galloway Engineering, LLC, 5150 Dinosaur, Denver, Colorado 80231. Project: Meridian Storage, LLC, SF-23-XXX. Date: 11/21/23. Scale: 1"=20'. 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.



- UTILITY LEGEND**
- W- - EXISTING WATER LINE
 - W- - PROPOSED WATER LINE
 - SS- - EXISTING SANITARY SEWER
 - SS- - PROPOSED SANITARY SEWER
 - (S) - EXISTING STORM SEWER
 - (S) - PROPOSED STORM SEWER
 - G- - EXISTING GAS LINE
 - G- - PROPOSED GAS LINE
 - UT- - EXISTING UNDERGROUND TELEPHONE
 - OHE - EXISTING OVERHEAD ELECTRIC
 - FO- - EXISTING FIBER OPTIC LINE
 - (FO) (FO) - EXISTING FIBER OPTIC STRUCTURES
 - (TP) - EXISTING TELEPHONE PEDESTAL
 - (ET) - EXISTING ELECTRIC TRANSFORMER
 - (P) - EXISTING POWER POLE
 - (SL) - EXISTING STREET LIGHT
 - (SL) - PROPOSED STREET LIGHT
 - (WM) - EXISTING WATER METER
 - (WV) - EXISTING WATER VALVE
 - (WV) - PROPOSED WATER VALVE
 - (FH) - EXISTING FIRE HYDRANT
 - (FH) - PROPOSED FIRE HYDRANT
 - (SM) - EXISTING STORM SEWER MANHOLE
 - (SM) - PROPOSED STORM SEWER MANHOLE
 - (SSM) - EXISTING SANITARY SEWER MANHOLE
 - (SSM) - 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 GRATE
 - 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
 - - - - 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 EDC 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
ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARINGS ARE BASED ON THE SOUTH LINE OF LOTS 2, 3, & 4 OF FALCON RANCHETTES, AND IS CONSIDERED TO BEAR S89°40'45"W, DEFINED BY FOUND MONUMENTS AS FOLLOWS: A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHEAST CORNER OF LOT 2; AND A NO. 4 REBAR WITH A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 2372", BEING THE SOUTHWEST CORNER OF LOT 4.

CAUTION - NOTICE TO CONTRACTOR

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

Galloway

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719.900.7220
GallowayUS.com

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GRADING & EROSION CONTROL PLANS
MERIDIAN STORAGE
MERIDIAN STORAGE, LLC
SF-23-XXX

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

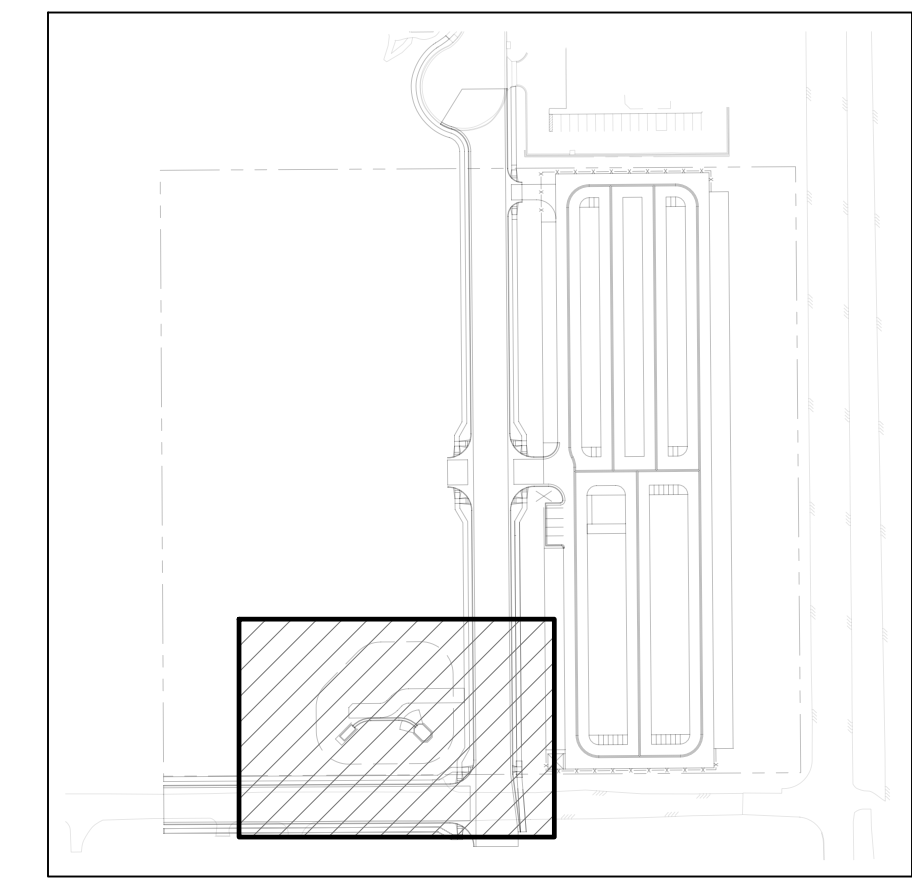
#	Date	Issue / Description	Init.

Project No: MRS01
Drawn By: JDM
Checked By: CMWJ
Date: GEC

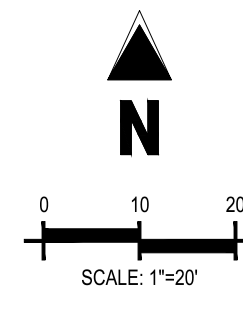
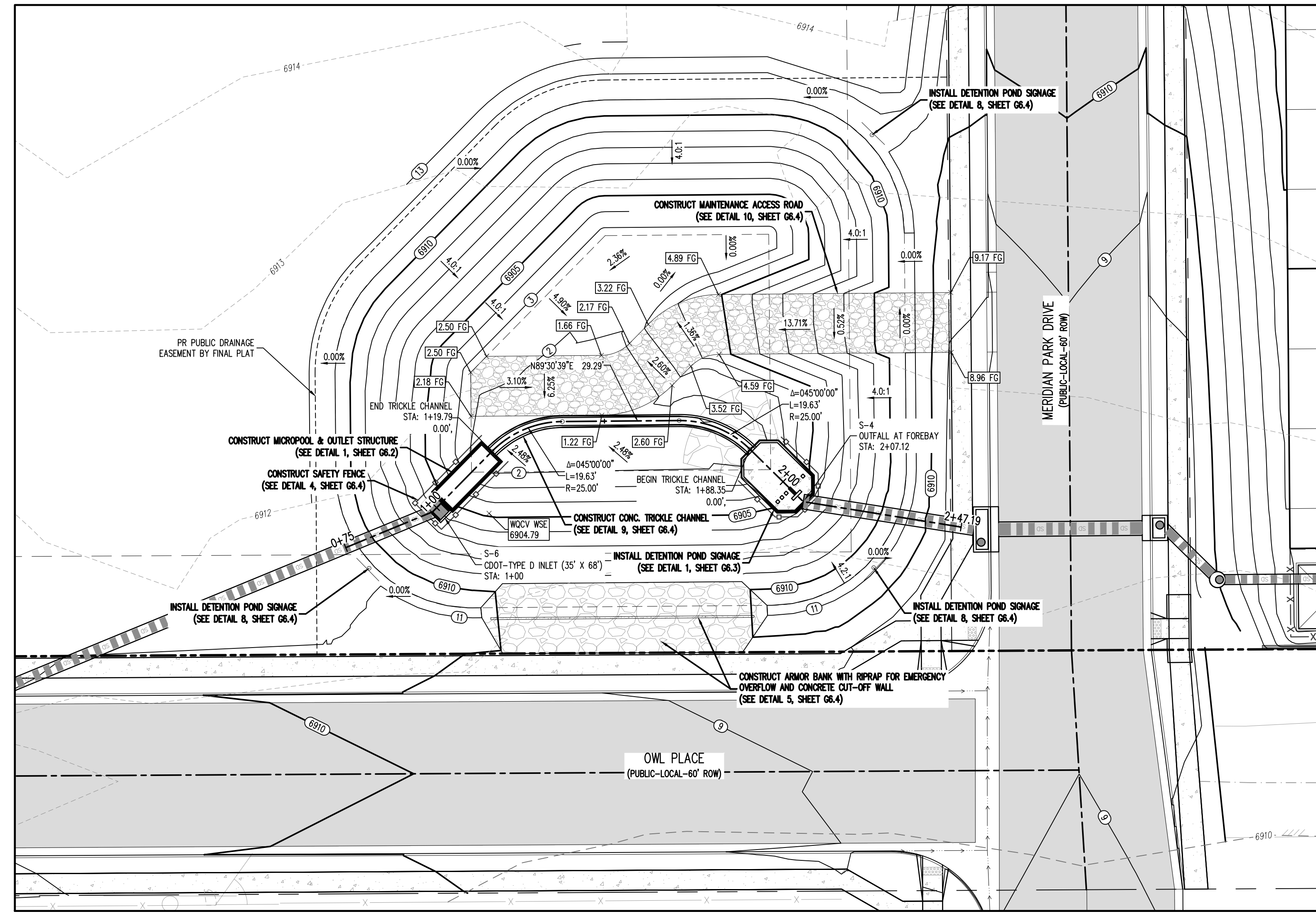
GRADING PLAN

G5.2

Sheet 15 of 19



KEYMAP
SCALE: 1"=200'



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 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
- 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 EDM TABLE D-7
- RIPRAP OUTFALL PADS
- EXISTING SIGN
- PROPOSED SIGN
- PROPOSED BOLLARDS

UTILITY LEGEND

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

BASIS OF BEARING

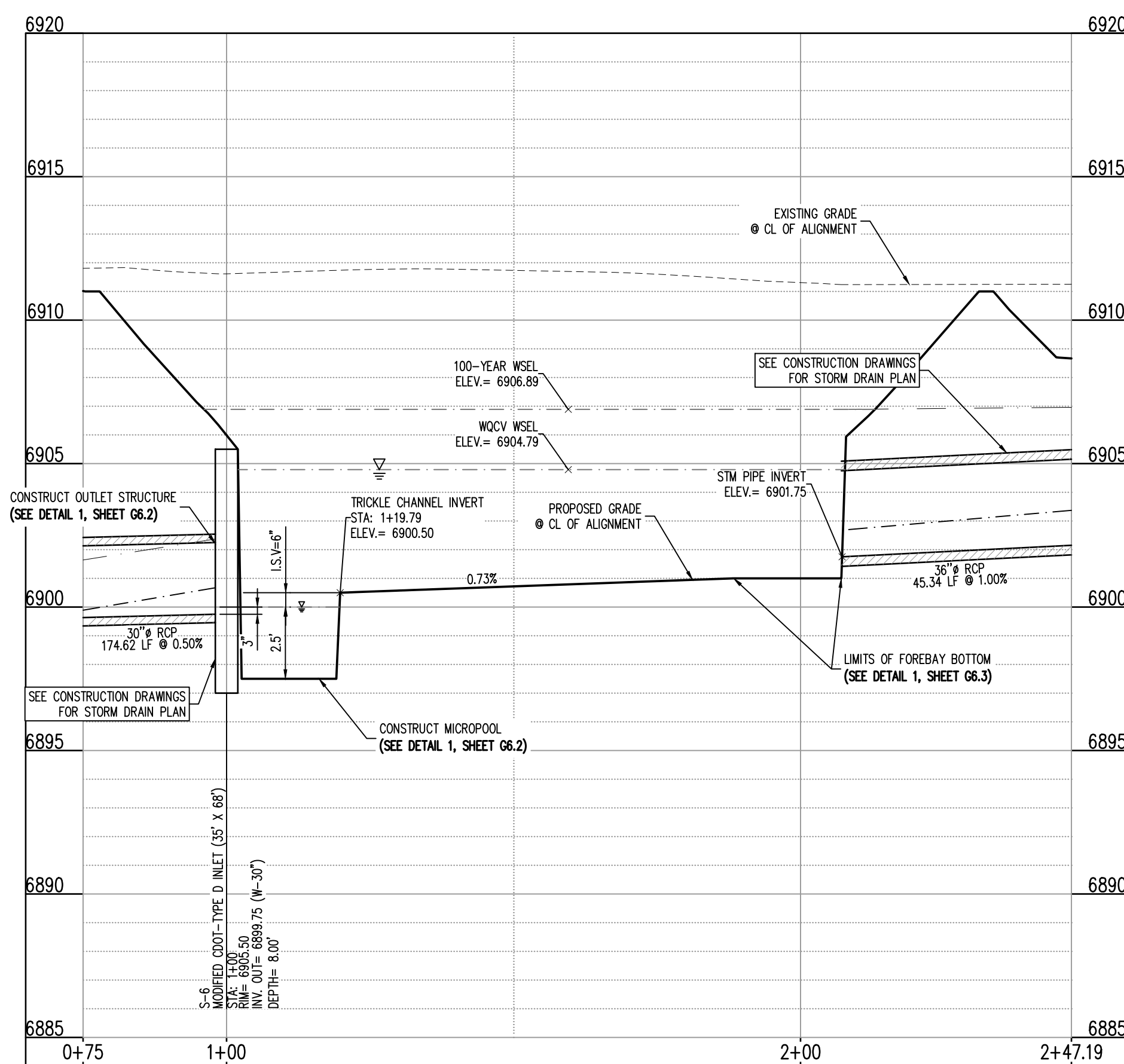
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BENCHMARK

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

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POND PROFILE (STA: 0+75 - 2+47.19)
SCALE: HORIZONTAL 1"=20', VERTICAL 1"=4'

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SF-23-XXX

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
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#	Date	Issue / Description	Init.

POND PLAN & PROFILE

G6.1
Sheet 16 of 19

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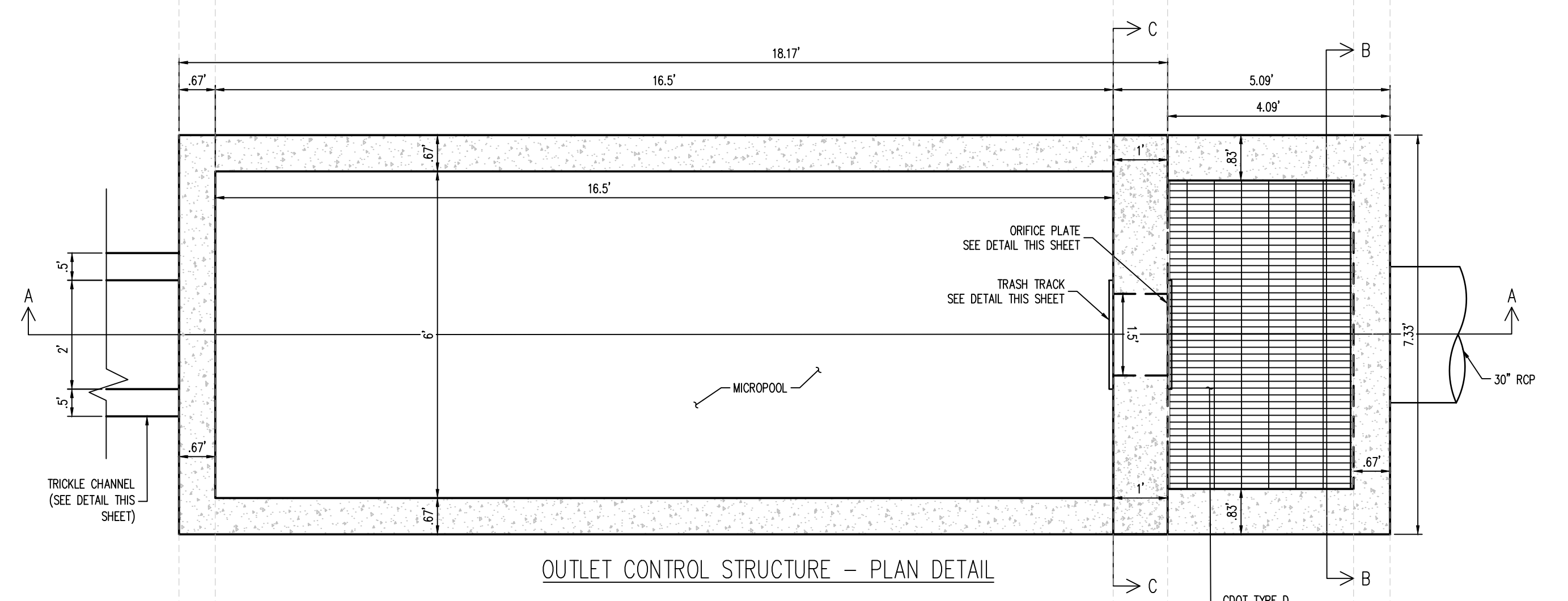
**GRADING & EROSION CONTROL PLANS
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 SF-23-XXX**

STATE OF COLORADO, MERIDIAN ROAD & OWL PLACE
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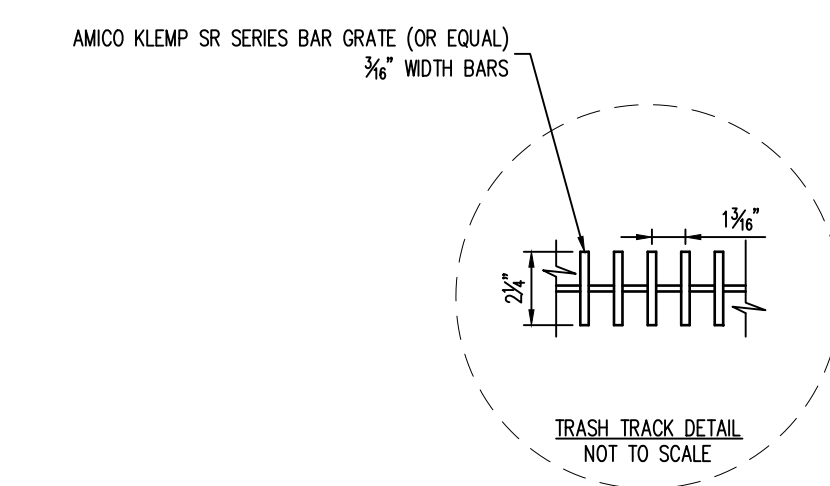
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**OUTLET STRUCTURE
 DETAILS**

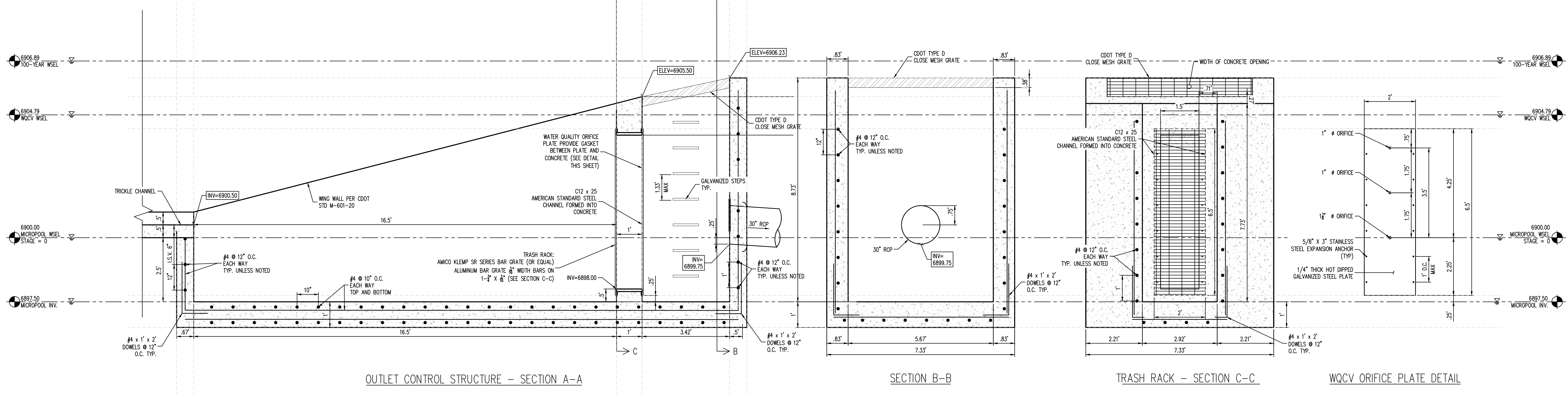


OUTLET CONTROL STRUCTURE - PLAN DETAIL



AMICO KLEMP SR SERIES BAR GRATE (OR EQUAL)
 3/4" WIDTH BARS

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



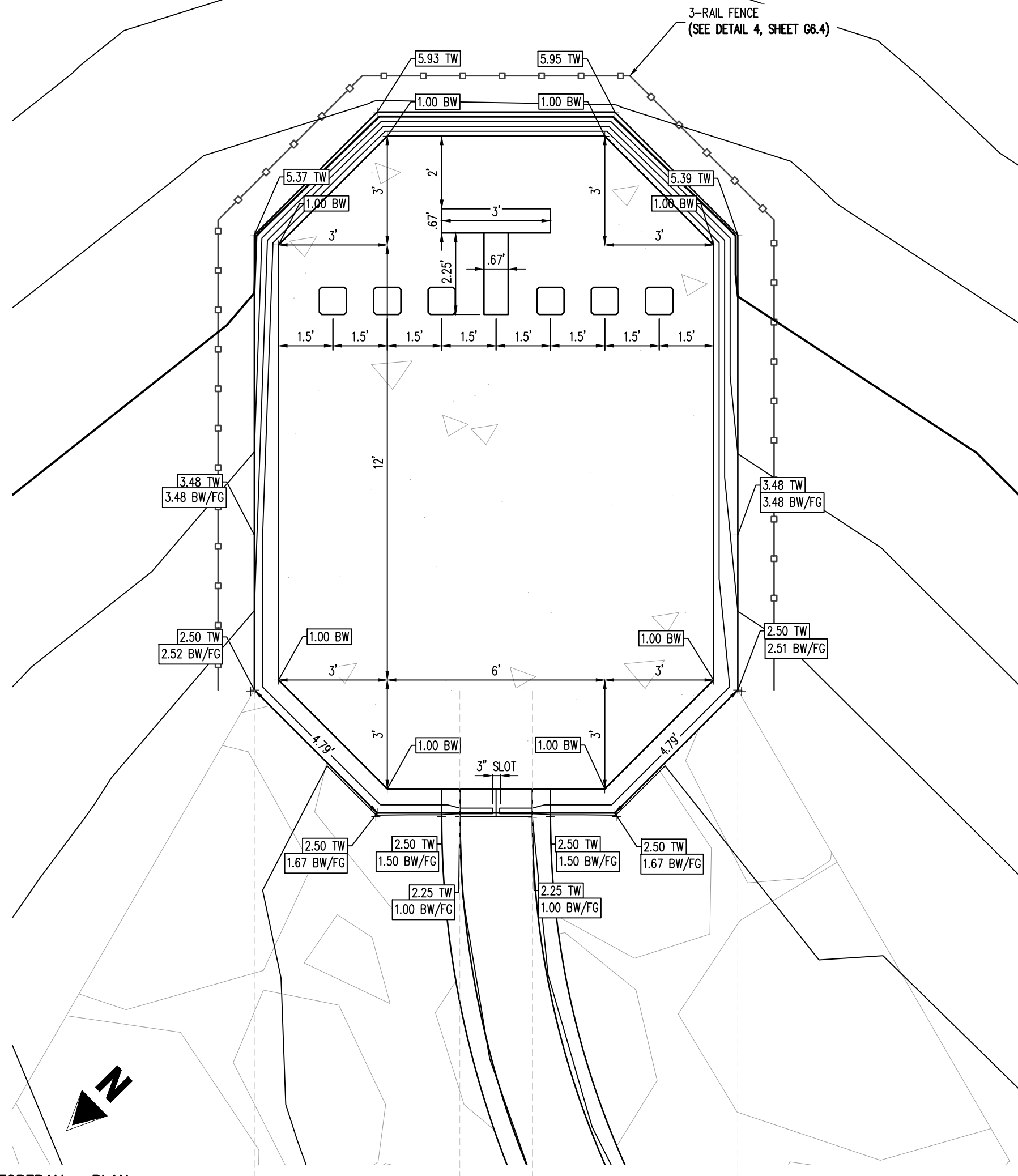
OUTLET CONTROL STRUCTURE - SECTION A-A

SECTION B-B

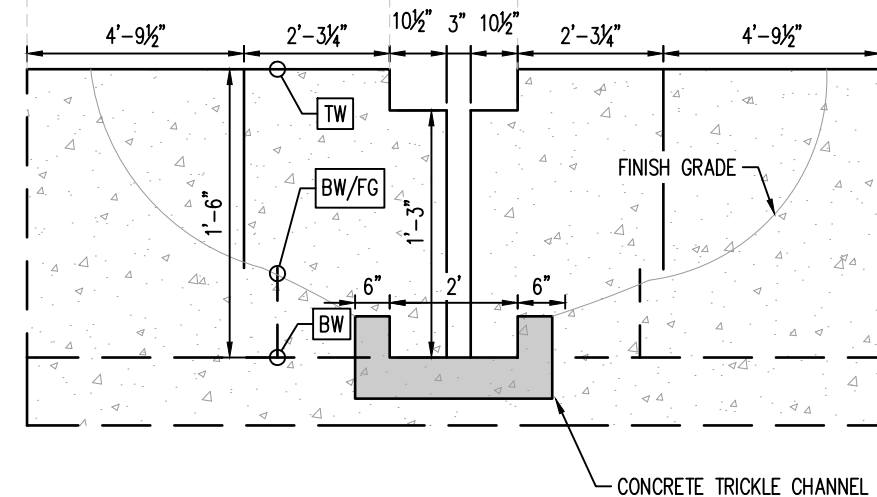
TRASH RACK - SECTION C-C

WQCV ORIFICE PLATE DETAIL

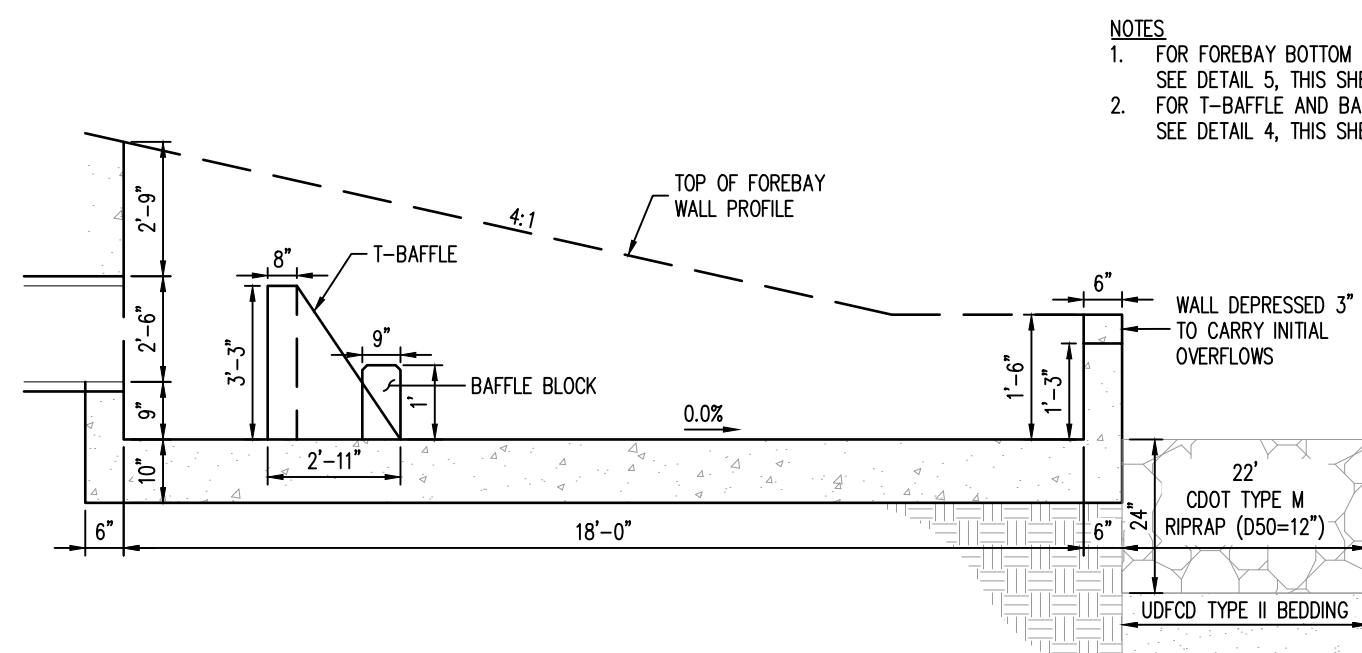
REQUIRED VOLUME (CU. FT.)	PROVIDED VOLUME (CU. FT.)
253	297



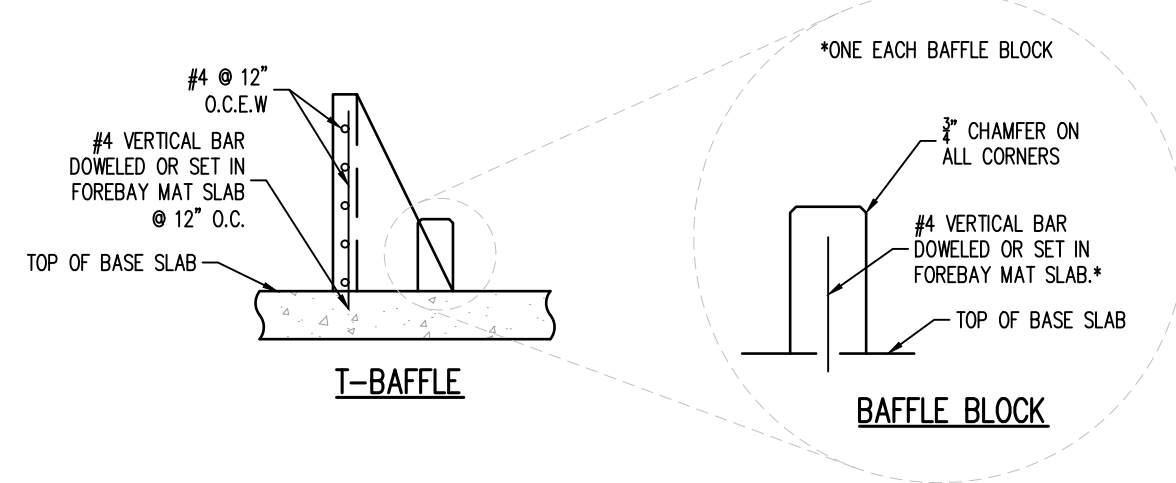
1 FOREBAY - PLAN
SCALE: 1"=3'



2 FOREBAY - SLOT DETAIL
NOT TO SCALE

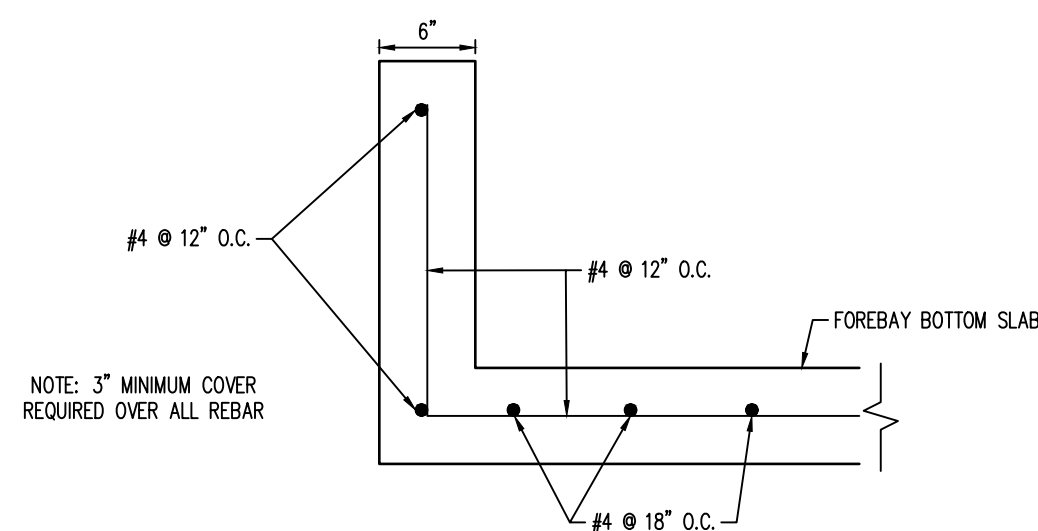


3 FOREBAY - PROFILE DETAIL
NOT TO SCALE



NOTE: 3" MINIMUM COVER
REQUIRED OVER ALL REBAR

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



NOTE: 3" MINIMUM COVER
REQUIRED OVER ALL REBAR

5 FOREBAY - REINFORCING DETAIL
NOT TO SCALE

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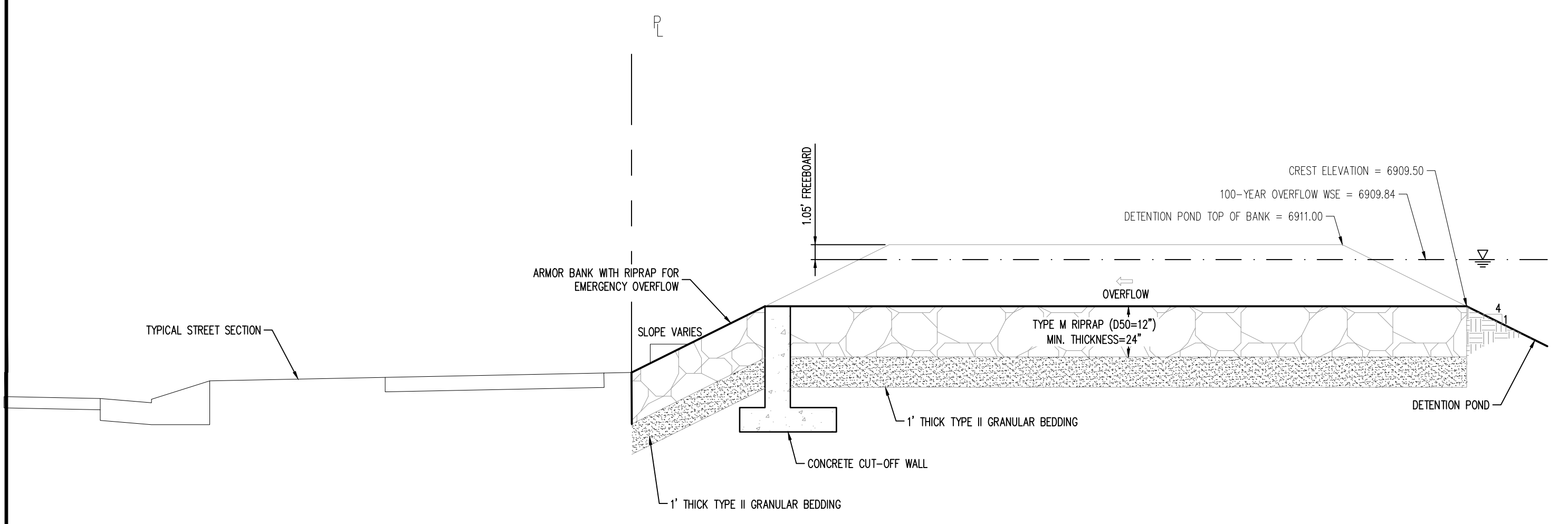
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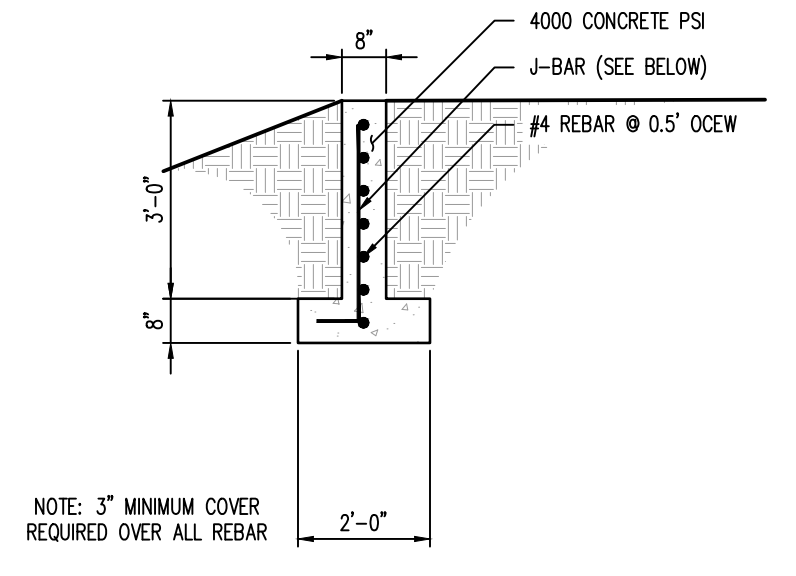
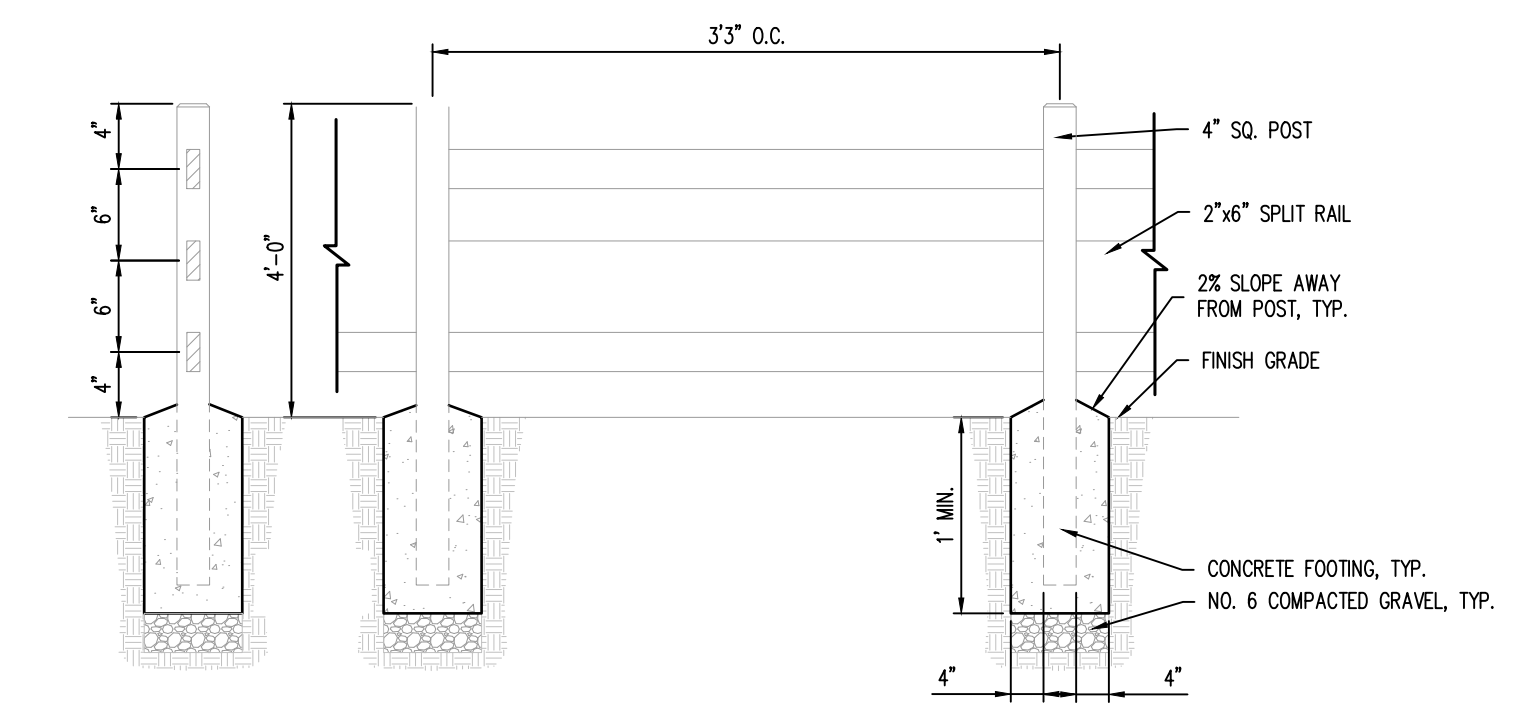
Project No: MRS01
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FOREBAY DETAILS

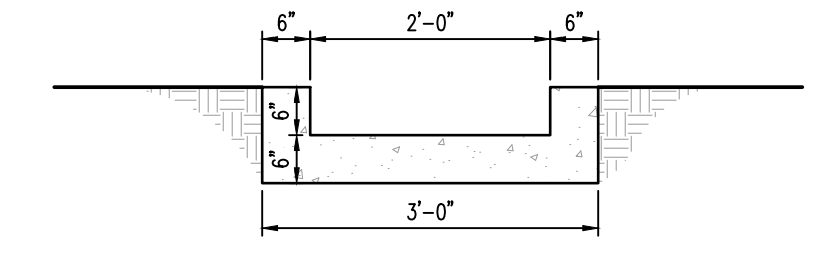


5 100-YEAR OVERFLOW - PROFILE
NOT TO SCALE

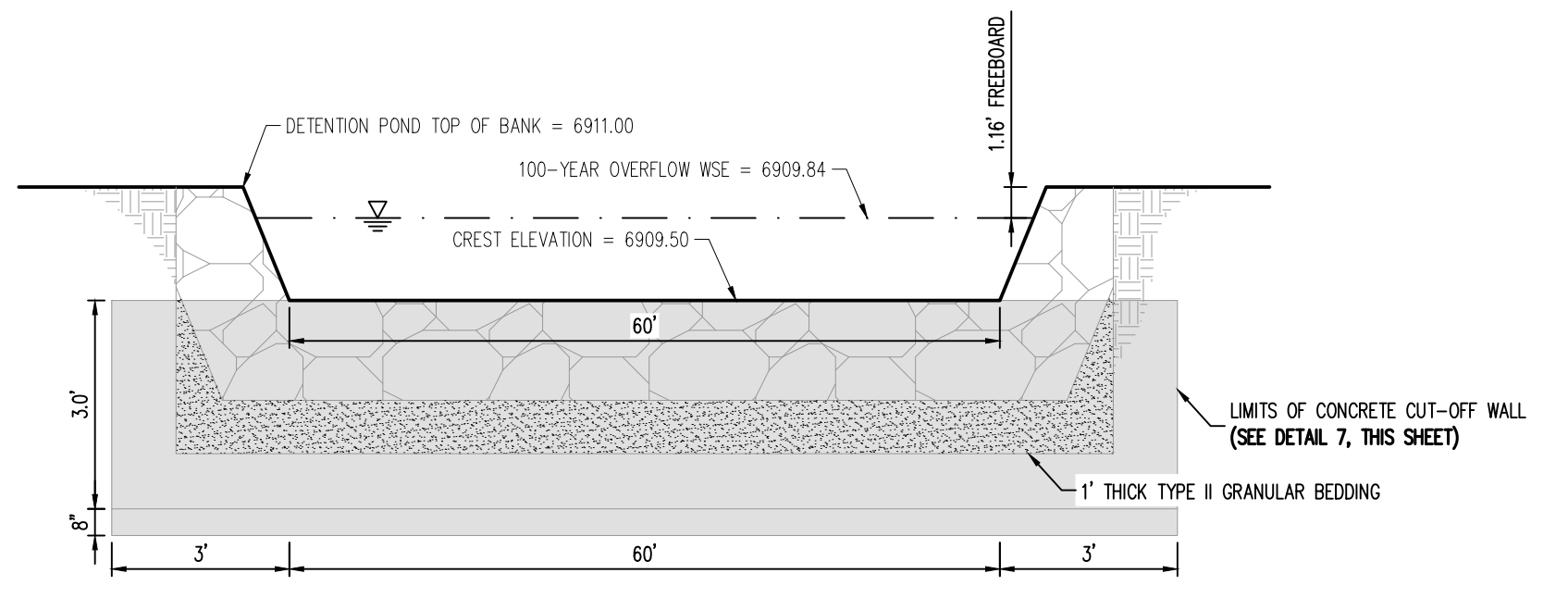
4 3-RAIL FENCE
NOT TO SCALE



7 CUT-OFF WALL DETAIL
NOT TO SCALE



9 CONCRETE TRICKLE CHANNEL
NOT TO SCALE

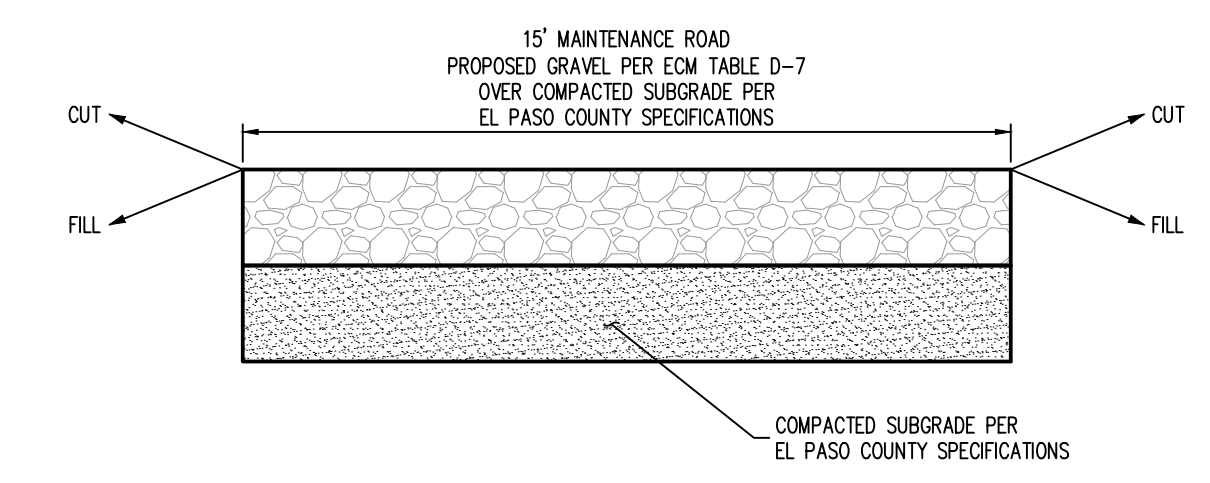


6 100-YEAR OVERFLOW - CROSS SECTION
NOT TO SCALE

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

#	Date	Issue / Description	Init.

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POND DETAILS