RISING MOON FILING NO. 1

COUNTY OF EL PASO, STATE OF COLORADO

CONSTRUCTION PLANS

OCTOBER 2025

(SECTION 3, TOWNSHIP 15 SOUTH, RANGE 65 WEST)

GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UTILITIES.
2. BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
3. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
4. ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD).
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
6. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
7. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K – 1.2C.
8. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
9. BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
10. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY PLANNING AND COMMUNITY DEVELOPMENT PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
12. TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED.
13. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS.
14. LOCATION OF THE CONCRETE WASHOUT, STORAGE FOR MAINTENANCE EQUIPMENT AND TEMPORARY DISPOSAL AREAS WILL BE ADDED TO THIS PLAN BY SWMP ADMINISTRATOR UPON COORDINATION WITH SELECTED CONTRACTOR.

STANDARD NOTES FOR EL PASO COUNTY 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. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
   a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
   b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   d. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN 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, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT – 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, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.
16. EL PASO COUNTY DOES NOT OWN AND IS NOT RESPONSIBLE FOR THE UNDERDRAINS OR GROUNDWATER DISCHARGE SYSTEMS SHOWN ON THESE PLANS AND ASSUMES NO LIABILITY FOR WATER RIGHTS ADMINISTRATION BY APPROVING THESE PLANS. MAINTENANCE AND WATER RIGHTS ARE THE RESPONSIBILITY OF THE DEVELOPER AND METROPOLITAN DISTRICT. (UNDERDRAINS NOT PROPOSED IN THIS SITE)

SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS."
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P.2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

BENCHMARKS:

A. THE NORTHWESTERLY CORNER OF COLORADO CENTRE RESIDENTIAL FILING NO. 5 RECORDED UNDER RECEPTION NO. 098141531 RECORDS OF EL PASO COUNTY, COLORADO BEING MONUMENTED BY A 2 INCH ALUMINUM SURVEYORS CAP STAMPED "DB CO PLS 27275" RECOVERED FLUSH WITH THE GROUND.
ELEVATION = 5824.32 (1929 DATUM)

B. THE NORTHWESTERLY CORNER OF COLORADO CENTRE RESIDENTIAL FILING NO. 2 RECORDED IN PLAT BOOK A-4, PAGE 4 RECORDS OF EL PASO COUNTY, COLORADO BEING MONUMENTED BY A 1-1/2 INCH ALUMINUM SURVEYORS CAP STAMPED "JR DEV RLS 10377" RECOVERED FLUSH WITH THE GROUND.
ELEVATION = 5810.79 (1929 DATUM)

CONSTRUCTION PLAN: SHEET INDEX

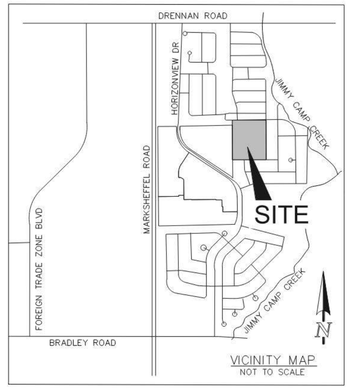
SHEET 1 OF 21	TITLE SHEET
SHEET 2 OF 21	GRADING AND EROSION CONTROL PLAN
SHEET 3 OF 21	GRADING AND EROSION CONTROL PLAN NOTES
SHEET 4 OF 21	GRADING AND EROSION CONTROL PLAN DETAIL SHEET
SHEET 5 OF 21	GRADING AND EROSION CONTROL PLAN DETAIL SHEET
SHEET 6 OF 21	STREET IMPROVEMENT PLAN (HARVEST MOON TERRACE & WEST KNUCKLE)
SHEET 7 OF 21	STREET IMPROVEMENT PLAN (LUNAR LIGHT LANE)
SHEET 8 OF 21	SIGNAGE & TYPICAL STREET SECTIONS
SHEET 9 OF 21	PEDESTRIAN RAMP DETAILED GRADING
SHEET 10 OF 21	STREET LIGHT POLE LOCATION PLAN
SHEET 11 OF 21	STORM SEWER PLAN & PROFILE
SHEET 12 OF 21	PCM POND 1 FULL SPECTRUM DETENTION
SHEET 13 OF 21	PCM POND 1 30" IMPACT STRUCTURE & FOREBAY
SHEET 14 OF 21	PCM POND 1 30" IMPACT STRUCTURE & FOREBAY
SHEET 15 OF 21	PCM POND 1 OUTLET BOX – PROFILE VIEW
SHEET 16 OF 21	PCM POND 1 OUTLET BOX AND MICROPOOL DETAILS
SHEET 17 OF 21	PCM POND 1 POND OUTLET BOX DETAILS
SHEET 18 OF 21	PCM POND 1 SPILLWAY DETAILS
SHEET 19 OF 21	PCM POND 1 DETAIL SHEET
SHEET 20 OF 21	PCM POND 1 DETAIL SHEET
SHEET 21 OF 21	PCM POND 1 DETAIL SHEET

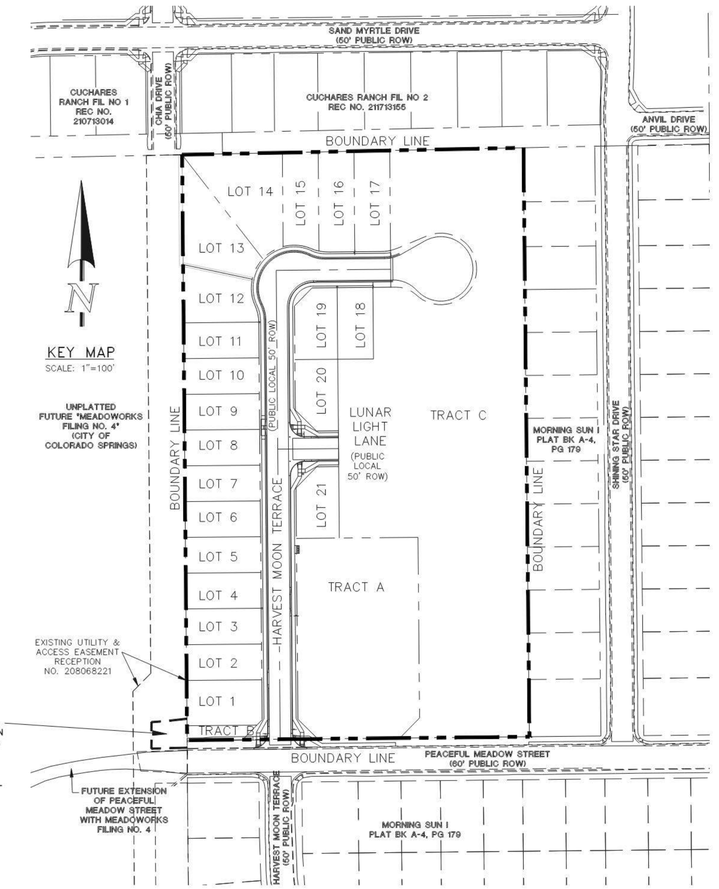
(SEPARATE METRO DISTRICT PLAN SET)

UTILITY PLAN: SHEET INDEX

SHEET 1 OF 3	SANITARY SEWER PLAN TITLE SHEET
SHEET 2 OF 3	SANITARY SEWER PLAN (HARVEST MOON-LUNAR LIGHT)
SHEET 3 OF 3	SANITARY SEWER PLAN DETAIL SHEET
SHEET 1 OF 5	WATER SYSTEM PLAN TITLE SHEET
SHEET 2 OF 5	WATER SYSTEM PLAN
SHEET 3 OF 5	WATER PROFILE DETAIL SHEET
SHEET 4 OF 5	WATER SYSTEM PLAN DETAIL SHEET
SHEET 5 OF 5	WATER SYSTEM PLAN DETAIL SHEET
SHEET 1 OF 3	UTILITY SERVICE PLAN TITLE SHEET
SHEET 2 OF 3	UTILITY SERVICE PLAN
SHEET 3 OF 3	UTILITY SERVICE PLAN DETAIL SHEET

NOTE:
THIS PROPERTY IS SUBJECT TO THE FINDINGS, SUMMARY AND CONCLUSIONS OF A SOIL, GEOLOGY & GEOLOGIC HAZARD STUDY PREPARED BY ENTECH ENGINEERING, INC. DATED MARCH 27, 2024 (FILE NO. SP243).





BASIS OF BEARINGS:

ALL BEARING ARE RELATIVE TO THE NORTH LINE OF SECTION 3, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO, IS ASSUMED TO BEAR S89°53'55"W.

OFFSITE DISTURBANCE STATEMENT:

PROPERTY OWNER AUTHORIZES PIKES PEAK HABITAT FOR HUMANITY TO INSTALL 30" RCP STORM / POND OUTFALL AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN (SHEET 2) AND THE STORM SEWER PLANS (SHEET 11). ALL PROPOSED DISTURBANCE WITHIN EXISTING COLORADO CENTRE METROPOLITAN DISTRICT UTILITY AND ACCESS EASEMENT, RECORDED AT RECEPTION 208068221.

10.1.25
DATE

TIM SEIBERT, SENIOR VICE PRESIDENT
BLH NO. 2 LLC
111 SOUTH TEJON STREET, SUITE 222
COLORADO SPRINGS, CO 80903
(719) 593-2600
tseibert@norwood.dev

AGENCIES:

DEVELOPER:	PIKES PEAK HABITAT FOR HUMANITY INC. 2802 N. PROSPECT STREET COLORADO SPRINGS, CO 80907 (307) 899-2020 JDESJARDIN@PROTERRACO.COM
CIVIL ENGINEER:	CLASSIC CONSULTING ENGINEERS & SURVEYORS 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, CO 80903 MR. KYLE R. CAMPBELL, P.E. (719) 785-2800
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 MR. JEFF RICE, (719) 520-7877
WATER & SANITATION DISTRICT:	COLORADO CENTRE METROPOLITAN DISTRICT 9686 FLAGSTONE STREET COLORADO SPRINGS, CO 80925 MR. ALVANO TESTA (719) 232-6793 – (719) 390-7000
FIRE DISTRICT:	CITY OF COLORADO SPRINGS FIRE PREVENTION DIVISION 2880 INTERNATIONAL CIRCLE – SUITE 200 COLORADO SPRINGS, COLORADO 80910 EL PASO COUNTY PLANNING & COMMUNITY DEVELOPMENT FIRE SAFETY AND WILDFIRE MITIGATION PROGRAM 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, COLORADO 80910 MR. ROLAND PETERSON (719) 520-6075
ELECTRIC COMPANY:	MOUNTAIN VIEW ELECTRIC P.O. BOX 1600 LIMON, COLORADO 80828 MR. LES ULFERS, (719) 495-2283
TELEPHONE COMPANY:	CENTURY LINK COMMUNICATIONS 308 E. PIKES PEAK AVENUE COLORADO SPRINGS, COLORADO 80903 MS. MELISSA SPENCER (719) 636-4748 MELISSA.SPENCER@CENTURYLINK.COM

AS-BUILT

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

09/28/2026

APPROVALS:

DESIGN 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 STANDARDS FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE ACCEPTABLE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY DIRECTLY CAUSED BY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS.

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

10/03/2025
DATE

KYLE R. CAMPBELL COLORADO P.E. #29794
FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

OWNER/DEVELOPER'S STATEMENT:

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

Joe DesJardin

10/01/2025
DATE

JOSEPH DESJARDIN, PRESIDENT
PIKES PEAK HABITAT FOR HUMANITY INC.
2802 N. PROSPECT STREET
COLORADO SPRINGS, CO 80907
(307) 899-2020

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 DIRECTOR'S DISCRETION.

Daniel Torres, P.E.
Digitally signed by Daniel Torres, P.E.
Reason: Authorized signatory as County Engineer designee
Date: 2025.11.18 15:45:58-07'00'

11/18/2025
DATE

JOSHUA PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

PCD FILE # SF2522

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

10/03/2025
DATE

KYLE R. CAMPBELL COLORADO P.E. #29794

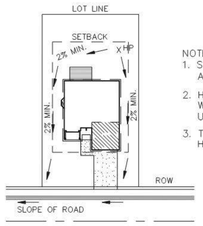
CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
CONSTRUCTION PLANS
TITLE SHEET

CLASSIC CONSULTING

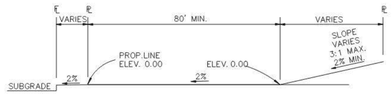
DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= 100'		SHEET	1 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

N:\2506\03\DRAWINGS\CONSTRUCTION\01-CD FILING - TITLE SHEET.dwg, 10/29/2025 8:17:26 AM, 1:1



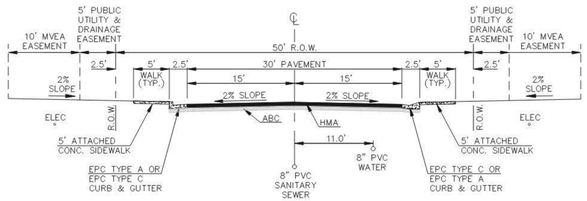
NOTES:
1. SIDEYARD SWALES TO BE CONST. AT 2% MIN. SLOPE.
2. HP LOCATION ON INDIVIDUAL LOTS WILL VARY DEPENDING UPON EXACT UNIT SIZE AND LOCATION.
3. TOF ELEV. MUST BE MIN. 18" HIGHER THAN ESTABLISHED HP.

TYPICAL "A" LOT
DRAINAGE PATTERN
N.T.S.



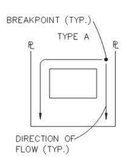
TYPICAL (A) LOT
N.T.S

NOTES:
1. ALL TYPE C CURB & GUTTER IS THE OPTIONAL TYPE C CURB & GUTTER PER EPC STANDARDS.



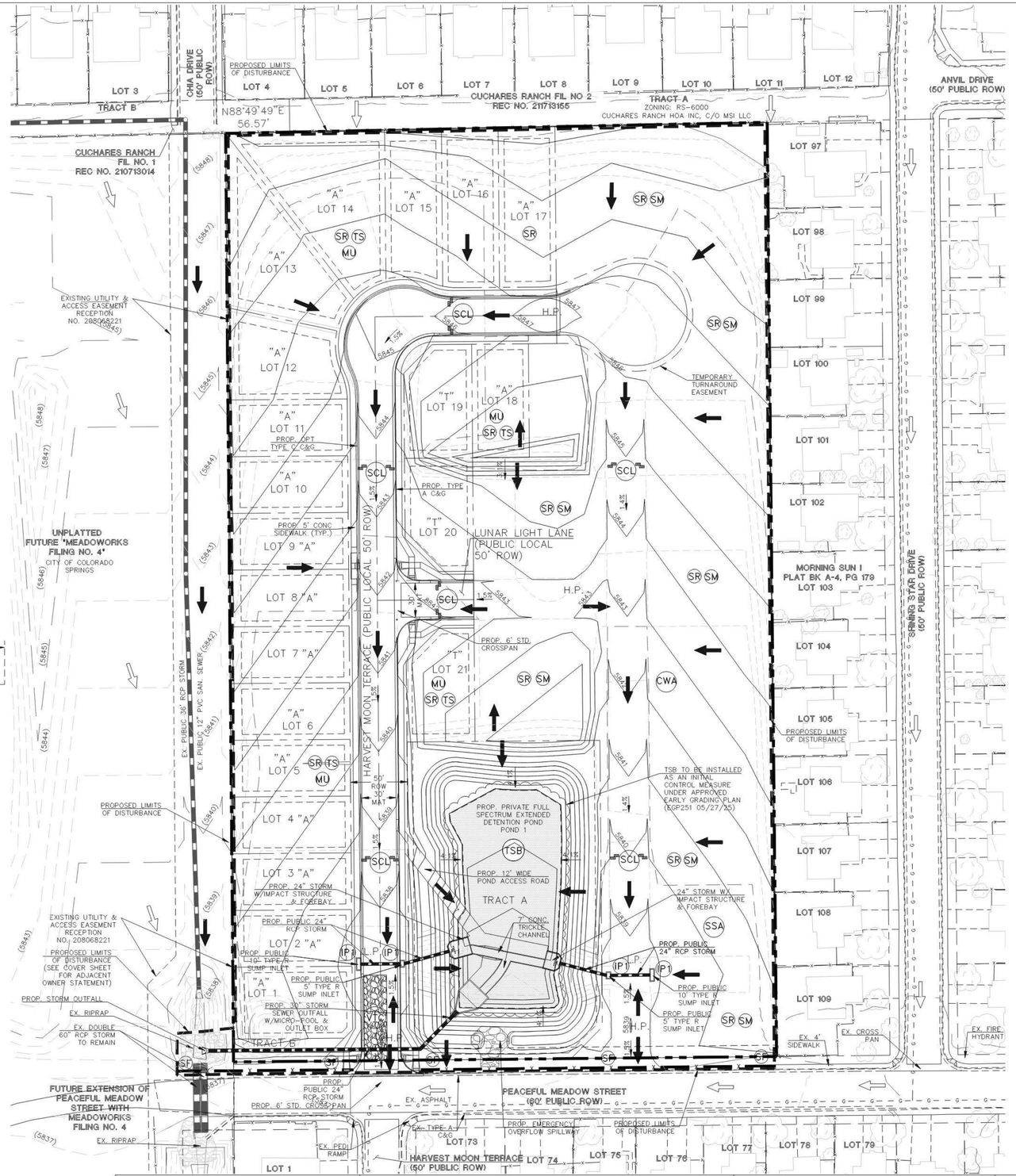
50' R.O.W. TYPICAL STREET/UTILITY SECTION – URBAN LOCAL ROADWAY
(HARVEST MOON TERRANCE AND LUNAR LIGHT LANE)
SCALE 1" = 10'

NOTE: THIS COMMUNITY WILL NOT REQUIRE GAS FACILITIES (HOMES ARE ALL ELECTRIC)



NOTE:
SIDE LOT LINE SWALES ARE REQUIRED FOR ALL LOTS.

LOT DRAINAGE TYPES
NOT TO SCALE



LEGEND

- (5840) — EXISTING CONTOUR
- 5840 — PROPOSED CONTOUR
- PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
- BOUNDARY LINE
- EXISTING FLOW DIRECTION
- PROPOSED FLOW
- HP — PROPOSED HIGH POINT
- LP — PROPOSED LOW POINT

CCM PHASING

TSB	TEMPORARY SEDIMENT BASIN	(INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
X SF	SILT FENCE	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM PHASE)
SCL	SEDIMENT CONTROL LOG	(INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE DURING INTERIM PHASE)
VTC	VEHICLE TRACKING CONTROL	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
SR	SURFACE ROUGHENING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
TS	TEMPORARY SEEDING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
SM	SEEDING/ MULCHING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
MU	MULCHING	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
CWA	CONCRETE WASHOUT AREA	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
SSA	STABILIZED STAGING AREA	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
IP1	INLET PROTECTION	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)

NOTE:
CONCRETE WASHOUT AREA, MULCHING, SEEDING, STABILIZED STAGING AREA, AND STOCKPILE MANAGEMENT TO BE DETERMINED BY THE CONTRACTOR

NOTE:
TEMPORARY CONTROL MEASURES ARE NOT FINAL AND ARE TO BE REMOVED

NOTES:
SEE SHEETS 4 AND 5 FOR FOR EROSION CONTROL NOTES & DETAILS.

THERE WILL BE NO ASPHALT, CONCRETE BATCH PLANTS AND MASONRY MIX STATIONS ON THIS SITE.

THE SITE VEGETATION IS 100% GROUND COVER AND OF NATURAL GRASSLAND CONSISTENCY (NO TREES OR SHRUBS).

THE ENTIRE LIMITS OF DISTURBANCE IS A FILL SITE, NO CUT / FILL LINE SHOWN.

PER STANDARD COUNTY DETENTION MAINTENANCE AGREEMENT, A BLANKET EASEMENT HAS BEEN PROVIDED ACROSS THE PROPERTY.

INITIAL CONTROL MEASURE ARE TO BE INSTALLED WITH APPROVED EARLY GRADING PLAN (EGP251 05/27/25)

N

50 25 0 50 100

SCALE: 1" = 50'

PCD FILE # SF2522

AS-BUILT

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

09/28/2026

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
GRADING AND EROSION CONTROL PLAN

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= 50'		SHEET	2 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

N:\2506\03_DRAWINGS\CONSTRUCTION\GRADING-EROSION\02-C3 GEC.dwg, 10/7/2025 11:05:43 PM, 1:1

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS:

1. 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 (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.

2. A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMS), AS INDICATED ON THE APPROVED GEC PLAN OR GDS WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).

3. CONSTRUCTION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (E.G., SHEET OR CONCENTRATED FLOW).

4. ALL CCMS SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMS AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMS ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMS.

5. PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

6. MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON-SITE OR DIGITALLY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMS OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMS ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.

7. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE-EXISTING VEGETATIVE UPBRADIENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMS UPGRADIENT OF THE VEGETATIVE BUFFER.

8. TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.

9. EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE USED ON SLOPES STEEPER THAN 3:1.

10. VEHICLE TRACKING CONTROLS (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCS MUST INCLUDE A STRUCTURE CONTROL MEASURE (E.G., TRACKING PAD) AND MAY INCLUDE A NON-STRUCTURAL CONTROL MEASURE (E.G., SWEEPING). MATERIAL TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.

11. ANY TEMPORARY OR PERMANENT CONTROL MEASURE 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.

12. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER, PERMANENT CONTROL MEASURES (PCMS), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

13. ALL PCMS SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PCMS MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.

14. SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMS SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO PLANTING OR INSTALLATION OF THE PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMS AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).

15. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY-APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMS SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.

16. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.

17. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUT AREAS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK, OR STREAM.

18. DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENTS (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.

19. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES, OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.

20. THE PERMIT HOLDER(S) SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.

21. 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. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.

22. MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. APPROPRIATE CMS SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

23. BULK STORAGE (I.E., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT, OR EQUIVALENT PROTECTION, TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM, OR OTHER FACILITIES.

24. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.

25. ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.

26. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

27. FOR SITES WHERE A SOILS REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS, PREPARED BY ENTECH ENGINEERING, INC. DATED MARCH 27, 2024.

28. PERMIT HOLDER(S) AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT"(TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT"(33 USC 1344). IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUME 2, AND ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR400000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A SWMP, OF WHICH THIS GEC PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

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

CONSTRUCTION CONTROL MEASURES NOTES:

1. CONTRACTOR TO DETERMINE AREAS USED FOR STAGING, STORAGE OF MATERIALS, SOILS (STOCKPILES) OR WASTES AND SHALL MARK ON THE SITE SWMP AT ALL TIMES. THE USE OF CONSTRUCTION OFFICE TRAILERS REQUIRES PCD PERMITTING.
2. THE PROPOSED GRADING/EROSION CONTROL PLAN (SHEET 2) SHOW AND CALL-OUT THE 'INITIAL' AND 'INTERIM' STAGE OF CONSTRUCTION CONTROL MEASURES.

EROSION CONTROL CRITERIA:

EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.

1.) THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.

2.) DURING GRADING OPERATIONS, LOCATE AND SET THE STRAW BALE CHECK DAMS AND SILT FENCES AS SHOWN ON THE EROSION CONTROL PLAN. AT THIS TIME RESEED ALL DISTURBED AREAS WITH AN EL PASO COUNTY APPROVED SEED MIX.

3.) SEEDING APPLICATION: DRILLED TO A DEPTH OF .25" TO .50" INTO SOIL WHERE POSSIBLE. BROADCAST AND RAKED TO COVER ON STEEPER THAN 3:1 SLOPES WHERE ACCESS IS LIMITED OR UNSAFE FOR EQUIPMENT.

4.) MULCHING REQUIREMENT AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY MECHANICALLY CRIMPED INTO SOIL.

5.) THE STRAW BALE CHECK DAMS AND SILT FENCES SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT COLLECTED BY THE STRAW BALES IS REQUIRED ONCE IT REACHES HALF THE HEIGHT OF THE STRAW BALES OR SILT FENCE.

6.) 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, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAT 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAT 60 DAYS SHALL ALSO BE SEEDED. ON A CASE-BY-CASE BASIS, THE MS4 PERMITTEE MAY ALLOW ANOTHER APPROPRIATE BMP TO BE IN PLACE THAT PREVENTS SEDIMENT FROM LEAVING THE SITE. ALL TEMPORARY SOIRL EROSION CONTROL MEASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.

7.) ALL FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED EARLY GRADING, EROSION CONTROL AND RECLAMATION PLAN SHALL BE PROPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY. SUCH MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO KEEPING ALL EROSION CONTROL FACILITIES IN GOOD ORDER AND FUNCTIONAL, REPAIRING ANY EROSION DAMAGE THAT OCCURS, KEEPING ALL VEGETATION HEALTHY AND IN GROWING CONDITION AND REPLACING ANY DEAD VEGETATION AS SOON AS PRACTICABLE.

8.) ALL SILT FENCES ARE TO BE REGULARLY INSPECTED AND REPAIRED AS NEEDED.

9.) THE CONTRACTOR SHALL PROVIDE VEHICLE TRACKING CONTROL FACILITIES FOR EACH ENTRANCE/EXIT TO THE SITE. THE CONTRACTOR SHALL SUBMIT A PLAN WHICH WILL ASSURE USAGE OF THIS FACILITY BY ALL VEHICLES LEAVING THE SITE.

10.) EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH STORM EVENT AND REPAIRED WHEN NECESSARY.

11.) CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL FACILITIES IN GOOD WORKING ORDER UNTIL SUCH TIME AS PERMANENT FACILITIES ARE IN PLACE AND THE CONSTRUCTION MANAGER HAS APPROVED THEIR REMOVAL.

12.) ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.

13.) THE EROSION CONTROL MEASURES OUTLINED ON THE PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE AND REBUILD AS NECESSARY UNTIL VEGETATION IS ESTABLISHED.

14.) MAXIMUM ACREAGE OPEN AT ANY GIVEN TIME IS TO BE 30 ACRES.

SEEDING GUIDELINES:

1. SEEDBED PREPARATION

THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRIABLE ENOUGH THAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS. COMPETITIVE STANDS OF WEEDS THAT ARE PRESENT BEFORE SEEDING MUST BE CONTROLLED BY SHALLOW TILLAGE OR BY APPLICATION OF HERBICIDES. SOILS THAT HAVE BEEN OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, ESPECIALLY WHEN WET, SHOULD BE TILLED TO BREAK UP ROOTING-RESTRICTIVE LAYERS, THAN HARROWED, ROLLED, OR PACKED TO PREPARE THE REQUIRED FIRM SEEDBED.

2. FERTILIZER

FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAIL-ABLE NITROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE. THE TIME OF APPLICATION SHOULD BE IMMEDIATELY PRIOR TO SEEDING, AT THE TIME OF SEEDING, OR IMMEDIATELY FOL-LOWING SEEDING, DEPENDING ON THE KIND OF FERTILIZER AND TYPE OF EQUIPMENT USED.

3. SEEDING

SEED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 33% (3:1) OR FLATTER. SEED MAY BE BROADCAST BY HAND, BY MECHANICAL SPREADER, OR BY HYDRAULIC EQUIPMENT ON AREAS THAT ARE SMALL, TOO STEEP, OR NOT ACCESSIBLE FOR SEED DRILL OPERATIONS. SEED PLANTED WITH A DRILL SHOULD BE COVERED WITH SOIL TO A DEPTH OF 1/4 TO 3/4 INCH. SEED PLANTED BY THE BROADCAST METHOD SHALL BE INCORPORATED INTO THE SOIL SURFACE, NOT TO EXCEED A DEPTH OF 3/4 INCH, BY RAKING, HARROWING, OR OTHER PROVEN METHOD. THE TIME OF SEEDING IS FROM OCTOBER 15TH - MAY 31ST. SEED PLANTED IN THE LATE FALL WILL REMAIN DORMANT UNTIL SPRING, WHEN IT WILL GERMINATE.

4. MULCHING

SEEDED AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE; PREVENT SURFACE COMPACTION OR CRUSTING; REDUCE RUNOFF AND EROSION; CONTROL INSECTS; AND HELP ESTABLISH PLANT COVER.

NATIVE HAY OR STRAW SHOULD BE APPLIED AT A RATE OF 4,000 POUNDS PER ACRE AND CRIMPED INTO THE GROUND. ON SLOPES GREATER THAN 3:1, AN AGRONOMY BLANKET SHOULD BE USED.

5. SUPPLEMENTAL WATER

IN LOW RAINFALL AREAS, WHERE WATER IS AVAILABLE AND WHERE RAPID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING SHOULD BE PERFORMED DURING THE FIRST GROWING SEASON. WATER SHOULD BE APPLIED AT APPROXIMATELY ONE WEEK INTERVALS, AT A RATE OF 3/4 TO 1 INCH PER APPLICATION, WHEN RAINFALL IS DEFI-CIENT FOR PLANT DEVELOPMENT.

NOTES:

AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF THE CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

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

NO PORTIONS OF RISING MOON FILING NO. 1 ARE LOCATED WITHIN A FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) MAP NUMBERS 08041C 0769G, EFFECTIVE DATE, DECEMBER 7, 2018

THE AVERAGE SOIL CONDITION REFLECTS HYDROLOGIC SOIL GROUP "B". STONEHAM SANDY LOAM AND USTIC TORRIFLUVENTS LOAMY AS DETERMINED BY THE "SOIL SURVEY OF EL PASO COUNTY AREA" PREPARED BY THE U.S. SOIL CONSERVATION SERVICE.

EXISTING VEGETATION CONSISTS OF NATIVE GRASSES.

STOCKPILE LOCATIONS FOR HOMEBUILDING TO BE ON EACH INDIVIDUAL LOT THAT IS BEING BUILT UPON.

LOCATION OF THE CONCRETE WASHOUT, STORAGE FOR MAINTENANCE EQUIPMENT AND TEMPORARY DISPOSAL AREAS WILL BE ADDED TO THIS PLAN BY SWMP ADMINISTRATOR UPON COORDINATION WITH SELECTED CONTRACTOR.

ALL AREAS ARE TO BE RESEEDED OUTSIDE OF THE RISING MOON FILING NO. 1 AREA. RESEED ALL AREAS AS NEEDED TO PREVENT EROSION AND SEDIMENT RUNOFF ONTO CONSTRUCTION ACTIVITIES.

SOIL AND GEOLOGY CONDITIONS:
GEOLOGIC HAZARD NOTE-PRELIMINARY PLAN:
THE FOLLOWING LOTS HAVE BEEN FOUND TO BE IMPACTED BY GEOLOGIC HAZARDS. MITIGATION MEASURES AND A MAP OF THE HAZARD AREA CAN BE FOUND IN THE REPORT "SOILS AND GEOLOGY STUDY RISING MOON - HABITAT FOR HUMANITY" BY ENTECH ENGINEERING INC. DATED MARCH 27, 2024 IN FILE (SP243) AVAILABLE AT THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT:

- EXPANDABLE SOILS: (ALL LOTS)
- LOOSE/COLLAPSIBLE SOILS:(ALL LOTS)

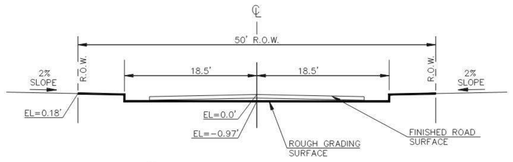
GEOLOGIC HAZARD NOTE: THE GEOLOGIC HAZARD IDENTIFIED IN THE ENTECH REPORT INCLUDE THE POTENTIAL FOR RADON. A MAP OF THE AREA CAN BE FOUND IN THE REPORT "SOILS AND GEOLOGY STUDY RISING MOON - HABITAT FOR HUMANITY" PREPARED BY ENTECH ENGINEERING, INC., DATED MARCH 27, 2024 AVAILABLE AT THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT.

INVESTIGATION ON EACH LOT IS RECOMMENDED PRIOR TO CONSTRUCTION PER THE ENTECH REPORT. RECOMMENDATIONS FROM THE GEOTECHNICAL ENGINEER SHOULD BE CAREFULLY FOLLOWED ESPECIALLY REGARDING SITE GRADING FOR SURFACE RUNOFF AND PERIMETER DRAINS WHERE SHALLOW GROUNDWATER IS ENCOUNTERED OR EXPECTED. SITE SPECIFIC SOIL AND FOUNDATION INVESTIGATIONS SHOULD SPECIFICALLY EVALUATE FOR THE PRESENCE OF GROUNDWATER AND POTENTIALLY EXPANSIVE AND/OR COLLAPSIBLE SOILS AND FILL PRIOR TO FOUNDATION DESIGN. ALL RECOMMENDATIONS IN THE ENTECH REPORT SHOULD BE ADHERED TO.

SCHEDULE OF ANTICIPATED CONSTRUCTION ACTIVITY:

1. INSTALL INITIAL BMP'S
2. INSPECTION OF INTIAL BMP'S BY COUNTY STAFF
3. PRECONSTRUCTION MEETING WITH COUNTY STAFF

BEGIN CONSTRUCTION	ACTIVITY	COMPLETION	EROSION CONTROL
UPON APPROVAL	ALL SITE ROADWAY GRADING AND UTILITY INSTALLATION	6 MONTHS	ALL SHOWN ON GRADING PLAN



50' R.O.W. TYPICAL STREET SECTION
HOLD-DOWN OVERLOT GRADING IN ROADWAYS
(HARVEST MOON TERRANCE AND LUNAR LIGHT LANE)
SCALE 1" = 10'

AS-BUILT

COLORADO LICENSED KYLE R. KAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

09/28/2026

PCD FILE # SF2522

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED KYLE R. KAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

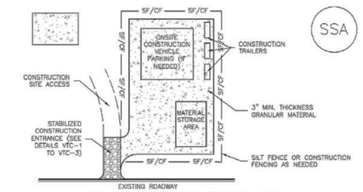
RISING MOON FILING NO. 1

GRADING AND EROSION CONTROL PLAN
NOTES & DETAILS SHEET

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= N/A		SHEET	3 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

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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.

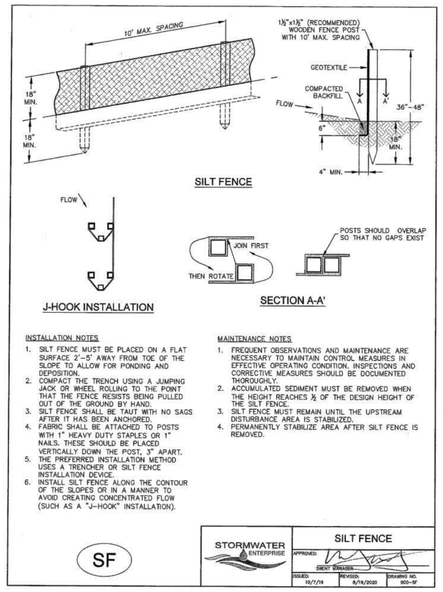
STABILIZED STAGING AREA MAINTENANCE NOTES

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)



INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED ON A FLAT SURFACE 2'–5' AWAY FROM TOE OF THE SLOPE TO ALLOW FOR PONDING AND DEPOSITION.
2. COMPACT THE TRENCH USING A JUMPING JACK OR WHEEL ROLLING TO THE POINT THAT THE FENCE RESISTS BEING PULLED OUT OF THE GROUND BY HAND.
3. SILT FENCE SHALL BE TAUT WITH NO SAGS AFTER IT HAS BEEN ANCHORED.
4. FABRIC SHALL BE ATTACHED TO POSTS WITH 1" HEAVY DUTY STAPLES OR 1" NAILS. THESE SHOULD BE PLACED VERTICALLY DOWN THE POST, 3" APART.
5. THE PREFERRED INSTALLATION METHOD USES A TRENCHER OR SILT FENCE INSTALLATION DEVICE.
6. INSTALL SILT FENCE ALONG THE CONTOUR OF THE SLOPES OR IN A MANNER TO AVOID CREATING CONCENTRATED FLOW (SUCH AS A "J-HOOK" INSTALLATION).

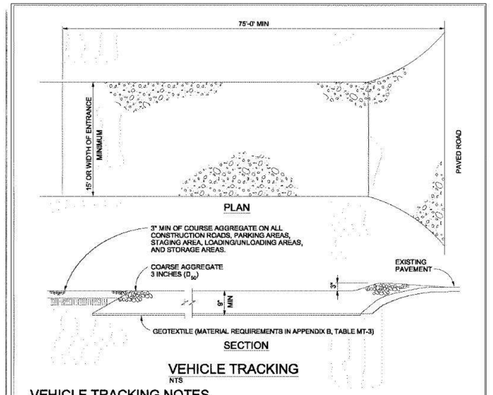
MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE DESIGN HEIGHT OF THE SILT FENCE.
3. SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA AFTER SILT FENCE IS REMOVED.

SF

STORMWATER ENTERPRISE — SILT FENCE

APPROVED: CHIEF ENGINEER — ISSUED: 10/7/16 — REVISED: 5/15/2020 — DRAWING NO. 900-SF



VEHICLE TRACKING

NTS

VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REAPPLIED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs
Stormwater Quality

Figure VT-2
Vehicle Tracking
Application Examples

AS-BUILT

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09/28/2026

PCD FILE # SF2522

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CLASSIC CONSULTING SM
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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1

GRADING AND EROSION CONTROL PLAN
DETAIL SHEET

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= N/A		SHEET	4 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

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SEEDING & MULCHING

ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.

SOIL PREPARATION

1. IN AREAS TO BE SEEDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRIABLE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
2. AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
3. THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
4. TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION. STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

SEEDING

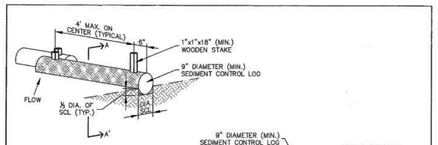
1. ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
2. SEED SHOULD BE DRILL-SEEDED WHENEVER POSSIBLE
   - SEED DEPTH MUST BE ¼ TO ½ INCHES WHEN DRILL-SEEDING IS USED
3. BROADCAST SEEDING OR HYDRO-SEEDING WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR ON OTHER AREAS NOT PRACTICAL TO DRILL SEED.
   - SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BRILLION DRILL OR HYDRO-SEEDING
   - BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL

MULCHING

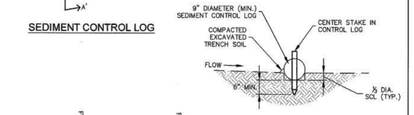
1. MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING, HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
2. MULCHING REQUIREMENTS INCLUDE:
   - HAY OR STRAW MULCH
     - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
     - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
     - TACKIFIER MUST BE USED IN PLACE OF CRIMPING ON SLOPES STEEPER THAN 3:1.
   - HYDRAULIC MULCHING
     - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
     - IF HYDRO-SEEDING IS USED, MULCHING MUST BE APPLIED AS A SEPARATE, SECOND OPERATION.
     - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 2,000 TO 2,500 POUNDS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.
   - EROSION CONTROL BLANKET
     - EROSION CONTROL BLANKET MAY BE USED IN PLACE OF TRADITIONAL MULCHING METHODS.

SM

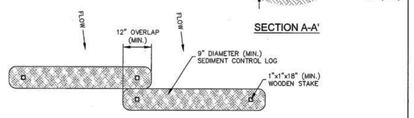
STORMWATER ENTERPRISE — SEEDING & MULCHING
APPROVED: CHIEF MANAGER
ISSUED: 10/1/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SM



SEDIMENT CONTROL LOG



SECTION A-A'



SEDIMENT CONTROL LOG JOINTS

INSTALLATION NOTES

1. ALL SEDIMENT CONTROL LOGS MUST BE EMBEDDED TO ½ OF THE HEIGHT OF THE LOG
2. LARGER DIAMETER SEDIMENT CONTROL LOGS NEED TO BE EMBEDDED DEEPER.
3. PLACE SEDIMENT CONTROL LOG AGAINST SIDEWALK OR BACK OF CURB WHEN ADJACENT TO THESE FEATURES.
4. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BR FREE FROM ANY NOXIOUS WEED SEEDS OF DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
5. IF USING AS SLOPE PROTECTION, INSTALL SEDIMENT CONTROL LOGS ALONG THE CONTOUR.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
3. PERMANENTLY STABILIZE AREA AFTER SEDIMENT CONTROL LOGS HAVE BEEN REMOVED.

SCL

STORMWATER ENTERPRISE — SEDIMENT CONTROL LOGS
APPROVED: CHIEF MANAGER
ISSUED: 10/1/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SCL

Table 5-1. El Paso County Conservation District All-Purpose Mix for Upland, Transition and Permanent Control Measure Areas

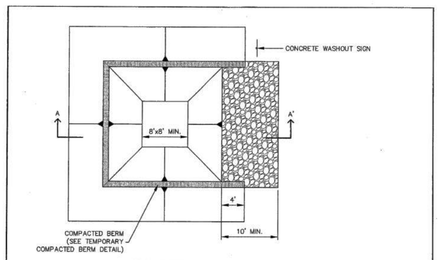
Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				• Irrigated broadcast • Irrigated hydroseeded	• Non-irrigated broadcast • Non-irrigated hydroseeded • Irrigated drilled	• Non-irrigated drilled
				80 seeds/sq ft	40 seeds/sq ft	20 seeds/sq ft
Bluestem, big	*Andropogon gerardii*	Warm, sod	20	4.4	2.2	1.1
Grama, blue	*Bouteloua gracilis*	Warm, bunch	10	0.5	0.25	0.13
Green needlegrass[2]	*Nassella viridula*	Cool, bunch	10	2	1	0.5
Wheatgrass, western[2]	*Pascopyrum smithii*	Cool, sod	20	6.4	3.2	1.6
Grama, sideoats	*Bouteloua curtipendula*	Warm, bunch	10	2	1	0.5
Switchgrass[2]	*Panicum virgatum*	Warm, bunch/sod	10	0.8	0.4	0.2
Prairie sandreed	*Calimovilfa longifolia*	Warm, sod	10	1.2	0.6	0.3
Yellow indiangrass[2]	*Sorghastrum nutans*	Warm, sod	10	2	1	0.5
		Seed rate (lbs PLS/acre)		19.3	9.7	4.8

[2]For portions of facilities located near or on the bottom or where wet soil conditions occur. Planting of potted nursery stock wetland plants 2-foot on-center is recommended for sites with wetland hydrology.

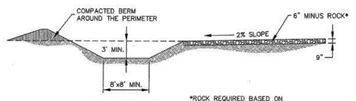
[3]Species that will do well in the bottom of pond areas.

Table 5-2. El Paso County All-Purpose Low Grow Mix for Upland and Transition Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				• Irrigated broadcast • Irrigated hydroseeded	• Non-irrigated broadcast • Non-irrigated hydroseeded • Irrigated drilled	• Non-irrigated drilled
				80 seeds/sq ft	40 seeds/sq ft	20 seeds/sq ft
Buffalograss	*Buchloe dactyloides*	Warm, sod	25	9.6	4.8	2.4
Grama, blue	*Bouteloua gracilis*	Warm, bunch	20	10.8	5.4	2.7
Grama, sideoats	*Bouteloua curtipendula*	Warm, bunch	29	5.6	2.8	1.4
Green needlegrass	*Nassella viridula*	Cool, bunch	5	3.2	1.6	0.8
Wheatgrass, western	*Pascopyrum smithii*	Cool, sod	20	12	6	3
Dropseed, sand	*Sporobolus cryptandrus*	Warm, bunch	1	0.8	0.4	0.2
		Seed rate (lbs PLS/acre)		42	21	10.3



CONCRETE WASHOUT AREA PLAN



SECTION A-A'

*ROCK REQUIRED BASED ON SITE CONDITIONS AT THE DISCRETION OF THE GEC INSPECTOR

CWA

STORMWATER ENTERPRISE — CONCRETE WASHOUT AREA
APPROVED: CHIEF MANAGER
ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-CWA-1

INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   -LOCATION OF CONCRETE WASHOUT AREA
2. LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
3. AN IMPERMEABLE LINER (16 MIL. MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 1000' OF WELLS OR DRINKING WATER SOURCES.
4. DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
5. THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
6. CONCRETE WASH AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8'.
7. BERM SURROUNDING SIDES AND BACK OF CONCRETE WASH AREA SHALL HAVE A MINIMUM HEIGHT OF 2 FEET.
8. CONCRETE WASH AREA ENTRANCE SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASH AREA.
9. SIGNS SHALL BE PLACED AT THE CONCRETE WASH AREA.
10. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF ⅛ THE HEIGHT OF THE CONCRETE WASH AREA.
3. 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.
4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.

CWA

STORMWATER ENTERPRISE — CONCRETE WASHOUT AREA
APPROVED: CHIEF MANAGER
ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-CWA-2

AS-BUILT

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

09/28/2026

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING SM

619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

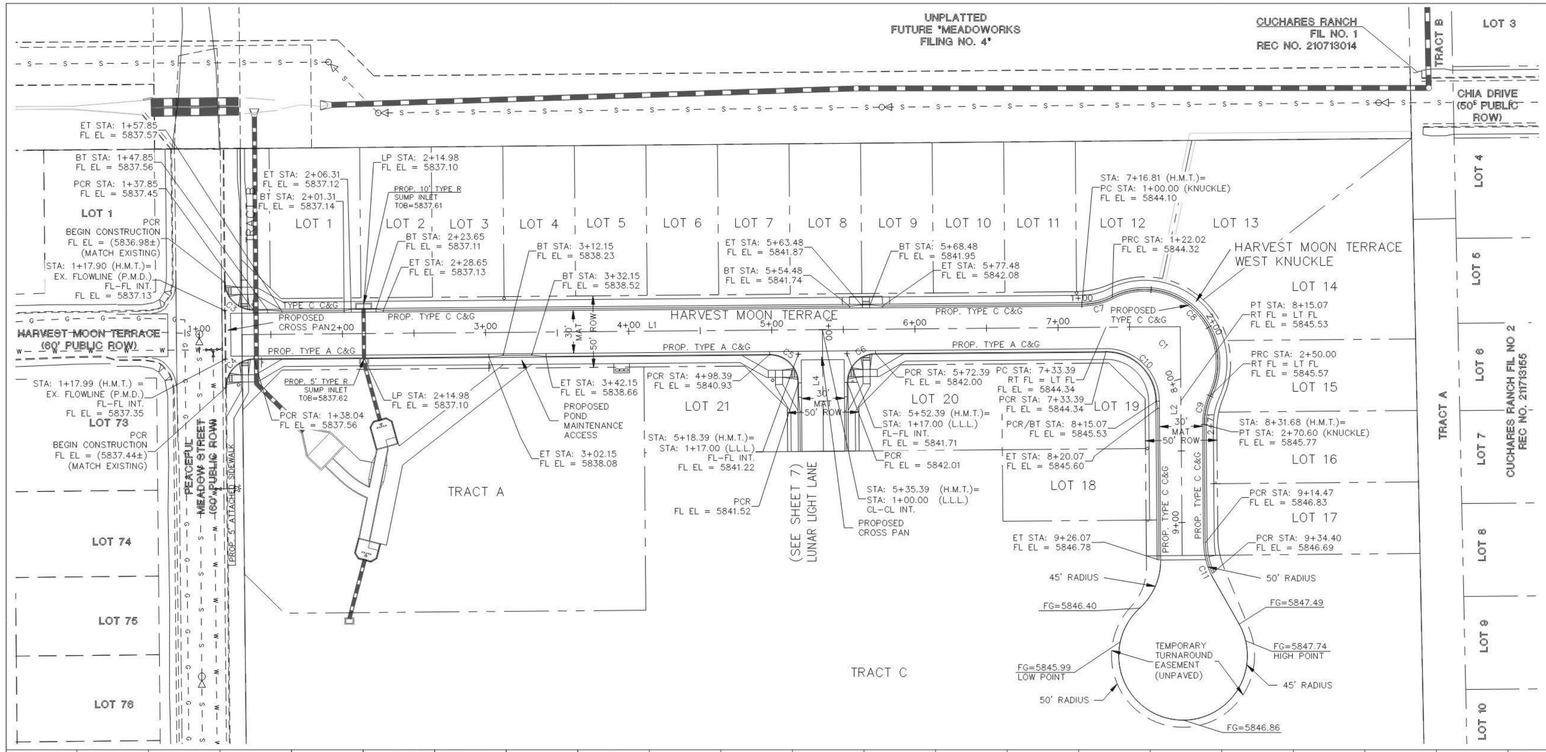
RISING MOON FILING NO. 1

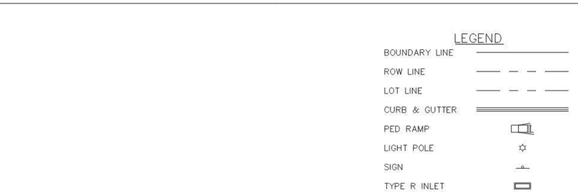
GRADING AND EROSION CONTROL PLAN
DETAIL SHEET

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= N/A		SHEET	5 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

N:\2506\03\DRAWINGS\CONSTRUCTION\GRADING_EROSION\05-03 (GEC.dwg, 10/1/2025 1:09:17 PM, 1:1)





CENTERLINE LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	633.39	N00°29'24"W
L2	116.00	N89°30'36"E
L4	85.00	N89°30'36"E

CENTERLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	81.68	52.00	90°00'00"

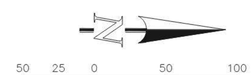
FLOWLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C3	31.36	20.00	89°51'13"
C4	31.51	20.00	90°16'17"
C5	31.42	20.00	90°00'00"
C6	31.42	20.00	90°00'00"
C7	22.02	48.83	25°50'30"
C8	126.54	51.17	141°41'39"
C9	22.03	48.83	25°51'09"
C10	54.98	35.00	90°00'00"
C11	22.03	48.83	25°51'09"

STREET ABBREVIATION INDEX	
HARVEST MOON TERRACE	H.M.T.
LUNAR LIGHT LANE	L.L.L.
PEACEFUL MEADOW STREET	P.M.S.

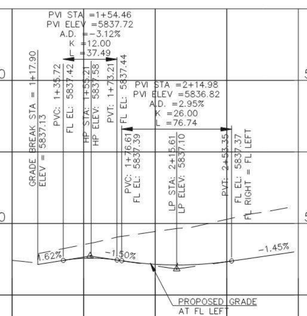
AS-BUILT

COLORADO LICENSED
KYLE RAYE CAMPBELL
29794
PROFESSIONAL ENGINEER

09/28/2026



SIDEWALK NOTES:
1. INSTALL 5' ATTACHED SIDEWALK ONLY WHERE IDENTIFIED ON THE CONSTRUCTION PLANS.
2. ENSURE THAT ALL PEDESTRIAN ACCESS ROUTES COMPLY WITH THE REQUIREMENTS COMPILED IN CDOT DESIGN GUIDE CHAPTER 12.



PCD FILE # SF2522

48 HOURS BEFORE YOU DIG,
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COLORADO LICENSED
KYLE RAYE CAMPBELL
29794
PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, COLORADO P.E. #29794

10/03/2025
DATE

CLASSIC CONSULTING

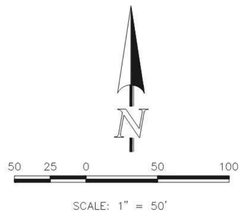
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

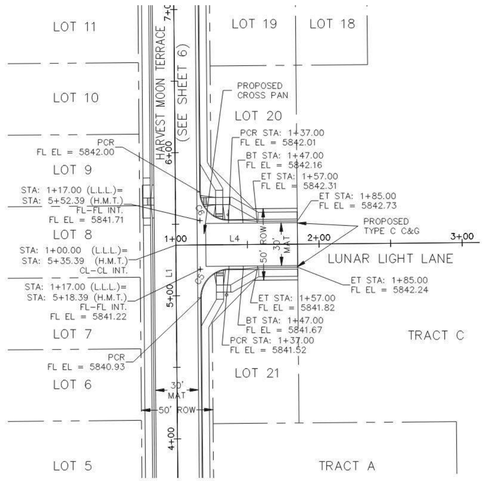
RISING MOON FILING NO. 1
PUBLIC STREET IMPROVEMENT PLAN
HARVEST MOON TERRACE STA: 1+00-8+50
& WEST KNUCKLE

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= 50'		SHEET	6 OF 21
CHECKED BY	KRC	(V) 1"= 5'		JOB NO.	2506.03

M:\2506\01_PRODUCTION\CIVIL\DWG\PLOT\PLOT-PSP.dwg, 10/29/2025 8:14:38 AM, lr





LUNAR LIGHT LANE
(URBAN LOCAL, PUBLIC 50' ROW)
DESIGN & POSTED SPEED: 25 MPH

CENTERLINE LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	633.39	N00°29'24"W
L4	85.00	N89°30'36"E

FLOWLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
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C6	31.42	20.00	90°00'00"

STREET ABBREVIATION INDEX	
HARVEST MOON TERRACE	H.M.T.
LUNAR LIGHT LANE	L.L.L.

LEGEND
- BOUNDARY LINE
- ROW LINE
- LOT LINE
- CURB & GUTTER
- PED RAMP
- LIGHT POLE
- SIGN
- TYPE R INLET

AS-BUILT



09/28/2026

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PCD FILE # SF2522

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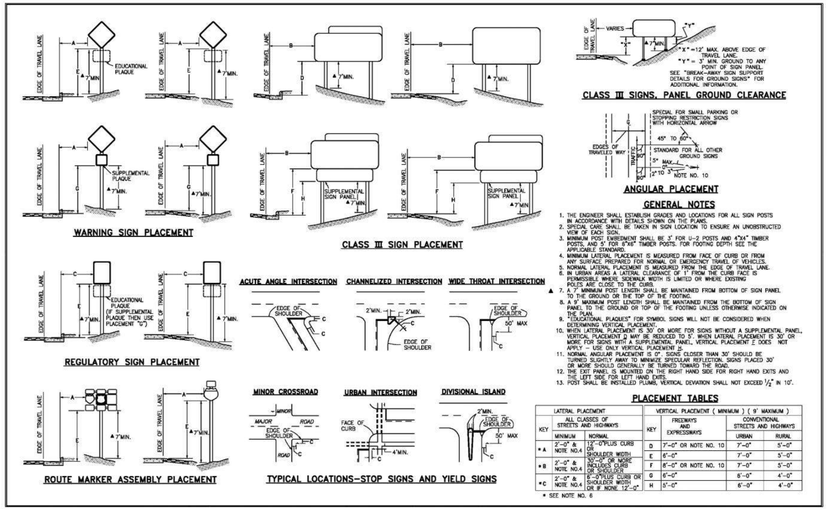
KYLE R. CAMPBELL P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

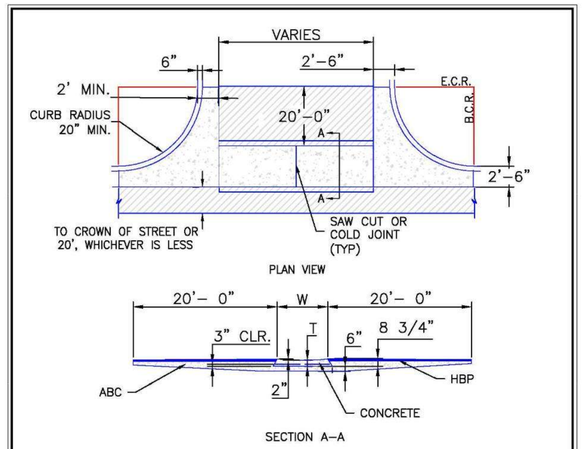
RISING MOON FILING NO. 1
PUBLIC STREET IMPROVEMENT PLAN
LUNAR LIGHT LANE

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= 50'		SHEET	7 OF 21
CHECKED BY	KRC	(V) 1"= 5'		JOB NO.	2506.03

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TYPICAL GROUND SIGN PLACEMENT



NOTES

1. W – WIDTH SHALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.

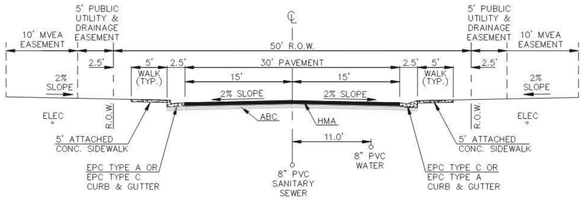
2. T – SQUARED–OFF RETURN TO BE POURED MONOLITHICALLY, 8" PCC FOR LOCAL ROADS, 9" FOR COLLECTORS WITH 6x6 – 4.4 W.W.F. OR #4 REINFORCING BAR @ 18" EACH WAY.

3. ▨ = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).

4. DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR.

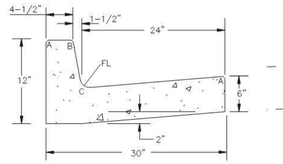
SCALE: NOT TO SCALE

8/11/11 DATE APPROVED: André P. Brackin DEPARTMENT OF TRANSPORTATION	Typical Cross Pan Layout Detail Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
	REVISION DATE: 12/8/15	FILE NAME: SD_2–26



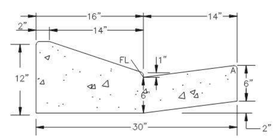
50' R.O.W. TYPICAL STREET/UTILITY SECTION – URBAN LOCAL ROADWAY
SCALE 1" = 10'

NOTE: THIS COMMUNITY WILL NOT REQUIRE GAS FACILITIES (HOMES ARE ALL ELECTRIC)

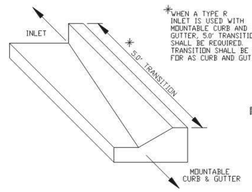


EPC TYPE A CURB & GUTTER
NTS

LENGTH FOR RADII
A = 1/8"–1/4"
B = 1–1/2"
C = 1–1/2"–2"



EPC OPTIONAL TYPE C CURB & GUTTER
NTS



N.T.S.

TRANSITION CURB DETAIL

AS-BUILT

COLORADO LICENSED KYLE R. CAMPBELL 29794 PROFESSIONAL ENGINEER

09/28/2026

NOTE:
ALL INTERNAL SIGNS SHALL BE 4" FONT LETTER SIZE.



STREET NAME (D–3)



DEAD END (W14–1)



NO OUTLET (W14–2)



STOP (R1–1)
30"X30"



SPEED LIMIT (R2–1)
24"X30"

ALL STOP SIGNS TO HAVE D–3 STREET NAME SIGNS ON THE SAME POLE

PCD FILE # SF2522

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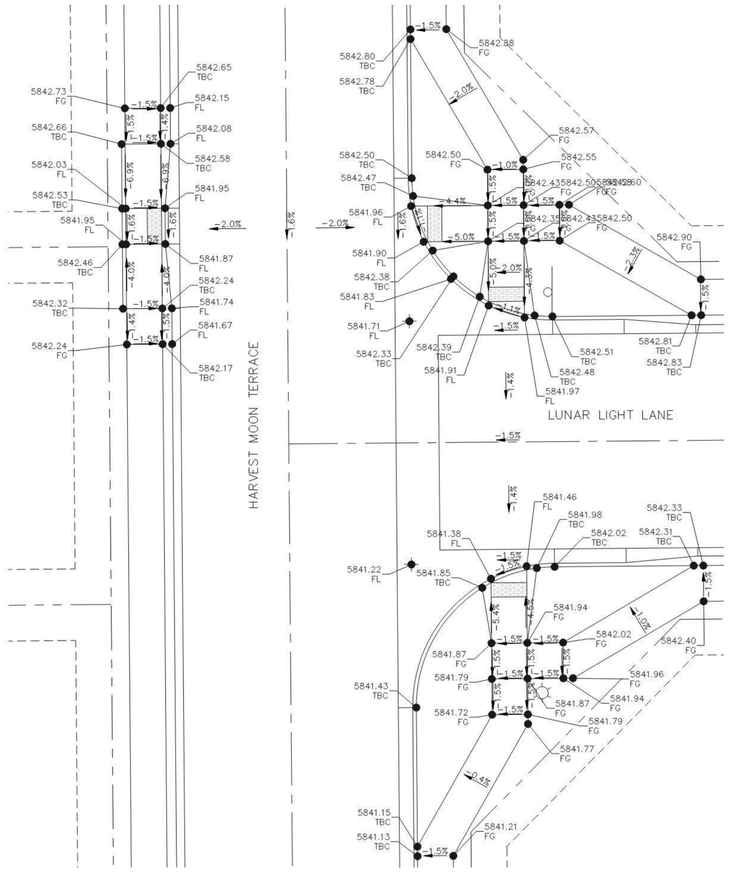
CLASSIC CONSULTING
619 N. Cascade Avenue, Suite 200, Colorado Springs, Colorado 80903 (719)785–0790 (719)785–0799(Fax)

RISING MOON FILING NO. 1
PUBLIC STREET IMPROVEMENT PLAN
SIGNAGE & TYPICAL STREET SECTIONS

CLASSIC CONSULTING

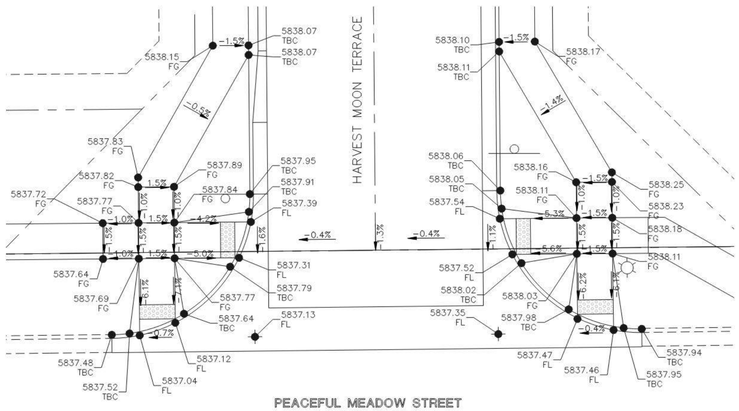
DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"=	50'	SHEET	8 OF 21
CHECKED BY	KRC	(V) 1"=	N/A	JOB NO.	2506.03

I:\2025\01_PLANNING\CONSTRUCTION\FIL1\ENGSHT\FIL1SIGN-CD Sidwg, 10/3/2025 8:39:31 AM, lc





SCALE: 1" = 10'



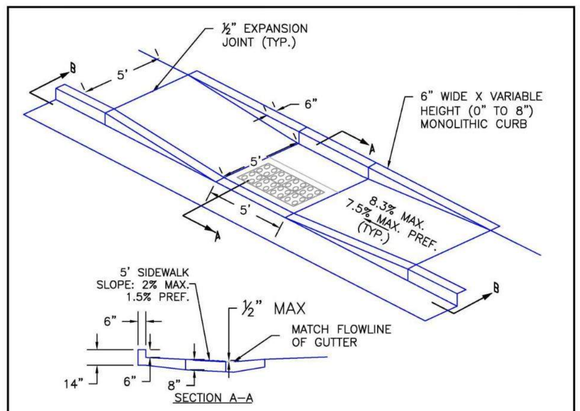
PEACEFUL MEADOW STREET
(60' PUBLIC ROW)

AS-BUILT

COLORADO LICENSED
KYLE RAYE CAMPBELL
29794
PROFESSIONAL ENGINEER

09/28/2026

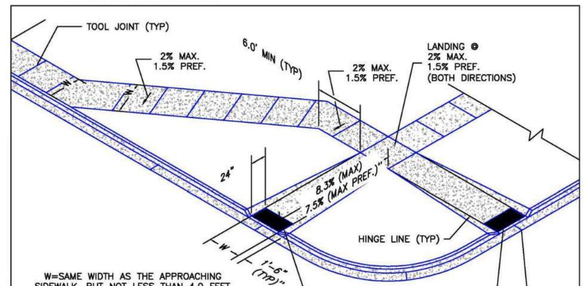
NOTE:
ANY SIDEWALK BUILT ADJACENT TO OR OVER AN INLET WILL BE COMPACTED PER COUNTY SPECIFICATIONS TO ENSURE PREVENTION OF DIFFERENTIAL SETTLEMENT IS ADDRESSED.



6/23/20 DATE APPROVED: Jennifer E. Irvine DEPARTMENT OF PUBLIC WORKS	Parallel Pedestrian Curb Ramp Detail Standard Drawing REVISION DATE: 6/23/20 FILE NAME: SD_2–50	DEPARTMENT OF PUBLIC WORKS

PEDESTRIAN RAMP NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
2. CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
3. PEDESTRIAN CURB RAMP CONSTRUCTION SHALL BE A MINIMUM 4,500 PSI CONCRETE, MINIMUM 4" THICK, NON–COLORED, NON–SCORED, COARSE BROOM FINISH.
4. PEDESTRIAN CURB RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 8.3% MAXIMUM RUNNING RAMP SLOPE DUE TO STREET INTERSECTION GRADES AND/OR ALIGNMENTS. SEE ECM SECTION 6.3.6 FOR PEDESTRIAN PUSHBUTTON LOCATION REQUIREMENTS.
5. DETECTABLE WARNING SURFACE SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
6. DETECTABLE WARNING SURFACE SHALL BE PREFABRICATED, CAST IRON (PATINA NATURAL FINISH) AND IN ACCORDANCE WITH ECM CHAPTER 6 AND SD_2–42. THERMOPLASTIC TRUNCATED DOMES AND PAVERS WILL NOT BE ACCEPTED.
7. THE DETECTABLE WARNING SURFACE SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
8. PEDESTRIAN CURB RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK; 4' MINIMUM.
9. ALL PEDESTRIAN CURB RAMPS WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID–BLOCK OR TERMINAL RAMPS WHICH MAY BE PARALLEL SUBJECT TO APPROVAL.
10. DRAINAGE STRUCTURES, TRAFFIC SIGNAL/SIGNAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED PEDESTRIAN CURB RAMP AREAS AND LANDINGS ARE PROHIBITED.
11. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A RAMP SHALL NOT EXCEED 5%.



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GENERAL NOTES

1. WHERE THE 1'–6" FLARED SIDE(S) OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA (PEDESTRIAN CIRCULATION PATH), THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10:1.
2. PEDESTRIAN WALKWAY (PEDESTRIAN ACCESS ROUTE) AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
3. AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.

6/23/20 DATE APPROVED: Jennifer E. Irvine DEPARTMENT OF PUBLIC WORKS	Pedestrian Curb Ramp Detail Standard Drawing REVISION DATE: 6/23/20 FILE NAME: SD_2–41	DEPARTMENT OF PUBLIC WORKS

PCD FILE # SF2522

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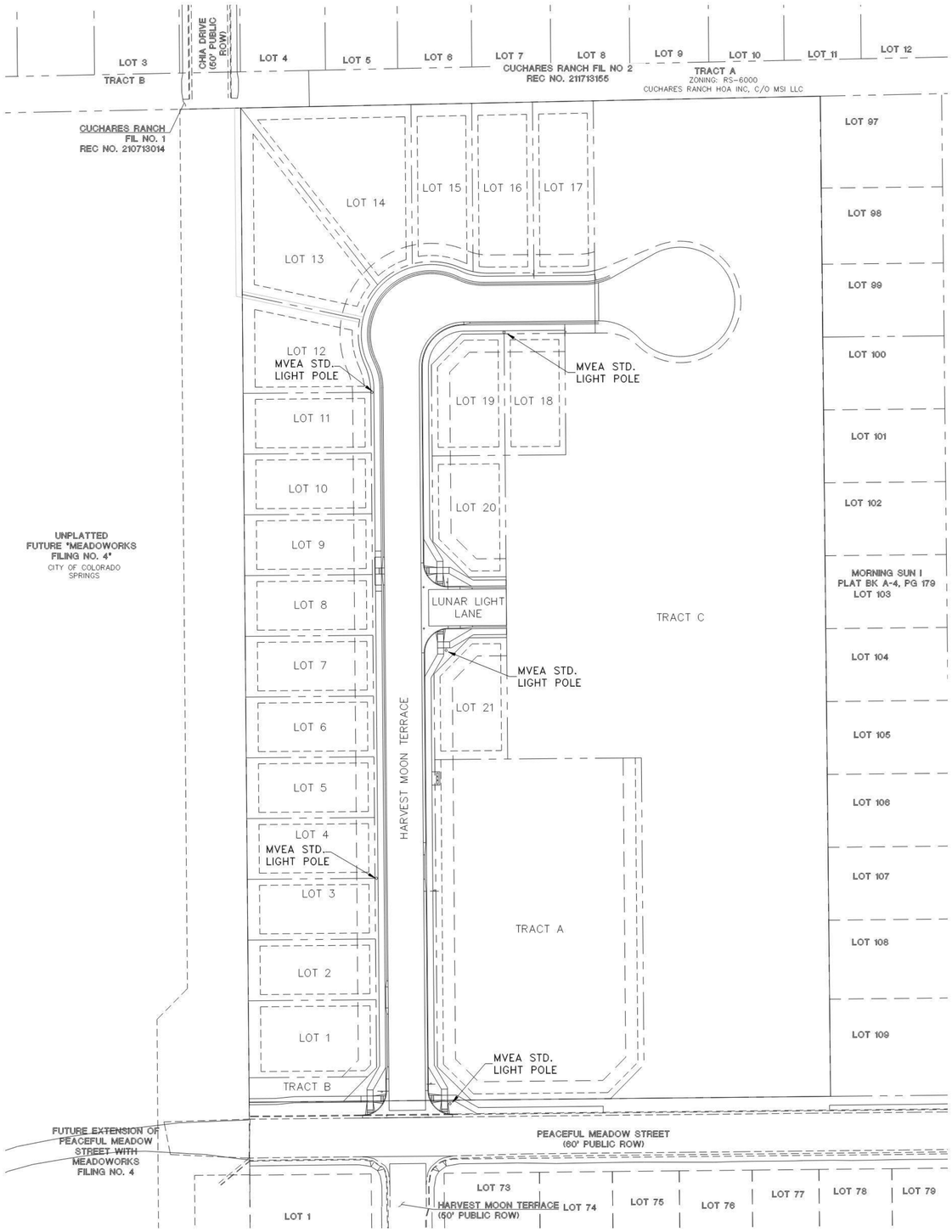
CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785–0790
Colorado Springs, Colorado 80903 (719)785–0799(Fax)

RISING MOON FILING NO. 1
PUBLIC STREET IMPROVEMENT PLAN
PEDESTRIAN RAMP DESIGN

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= 10'		SHEET	9 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

N:\2506\A_DRAWINGS\CONSTRUCTION\SHEETS\SD_2–41 PED RAMPS.dwg, 10/1/2025 3:11:5 PM, 1:1



American Revolution LED
Series 247L

PRODUCT OVERVIEW



Features:

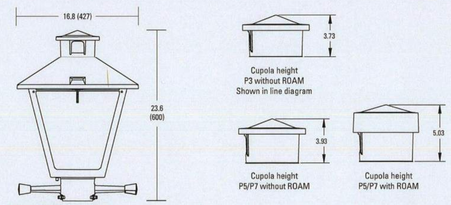
- Die-cast aluminum housing and hood for long-life performance
- Die-cast trigger latch (TL) and captive thumb screws option available for easy access to internal components
- Optical assembly designed for maximum performance, available in Type II, Type III and Type V
- Hinged hood and captive thumb screws provision afford quick, easy access to electrical and optical area for servicing
- Slipfitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Surge protection device (standard) exceeds ANSI C62.41 Category C1 criteria (surge tested at 10kV/5kA)
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 30°C ambient
- Rated L70, LED life greater than 100,000 hours at 25°C
- Replaces up to 150W HPS light source incumbant models
- LED electronic 0V-10V dimmable driver
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Applications:

Streetscapes
Walkways
Pathways
Parks

MVEA SPEC # 247L 10LEDE10 MVOLT 4K R5 AY PCLL

DIMENSIONS



Effective Projected Area (EPA)
The EPA for the American Revolution Series 247 is 1.6 sq. ft.
P5 or P7 option total height is 24.9 (633).
Approx. Wt. = 36 lbs.

All dimensions are inches (millimeters) unless otherwise noted.

Note: Specifications subject to change without notice.
American Revolution Series 247L LED

AEL American Electric Lighting

American Revolution LED
Series 247L

ORDERING INFORMATION

Example: 247L 20LEDE70 MVOLT 4K R3 AY

Series	Performance Package		Voltage		Color Temperature (CCT)	
247L American Revolution LED	20LEDE10	20 Chips, 1050 mA Driver, 72 input watts	MVOLT	Multi-volt, 120-277V	3K	3000K
	20LEDE70	20 Chips, 700 mA Driver, 45 input watts	347	347V	4K	4000K
	10LEDE10	10 Chips, 1050 mA Driver, 38 input watts	480	480V	5K	5000K
	10LEDE70	10 Chips, 700 mA Driver, 25 input watts				
	10LEDES3	10 Chips, 525 mA Driver, 18 input watts				
	10LEDE35	10 Chips, 350 mA Driver, 13 input watts				

Distribution	Optics
R2 Type II	AY Acrylic
R3 Type III	PY Polycarbonate
R5 Type V	

Options

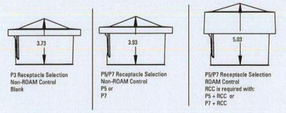
Paint [1]
(blank) Black (standard)
GY Gray
DDB Dark Bronze
WH White
BZ Bronze

Photocontrol
(blank) 3 pin NEMA Photocontrol Receptacle (standard)
NR [2] No Photocontrol Receptacle
P5 [3] 5 pin NEMA Photocontrol Receptacle (dimmable driver included)
P7 [3] 7 pin NEMA Photocontrol Receptacle (dimmable driver included)
PCLL [4,5] Solid State Long Life Photocontrol
PCSS [4,6] Not CSA Listed Solid State Long Life Photocontrol (120-277V)

Miscellaneous
SS Stainless steel hardware
NL NEMA Label
XL Not CSA Listed
TL Tool-less Entry
LDR [7] Ladder Rest
SH Shorting Cap
SHX [8] Not CSA Listed Shorting Cap
HSB House Side Shield Black
HSW House Side Shield White
CR Enhanced Corrosion Resistant Finish
RCC [9] ROAM Dimming Node Cupola Cover

Accessories
RNCS7 [7] ROAM Dimming Node Cupola Cover

Cupola size based on type of control and receptacle



Notes:
1. Other colors available, please contact factory
2. PC and SH not available with NR option
3. Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
4. Standard failure mode="Fail On"
5. Photocontrols supplied with ANSI Standard Turn-On levels
6. XL option is required
7. Ships with unit, field installed
8. Required when using ROAM or other similar wireless monitoring control systems

AEL American Electric Lighting
AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com
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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

LIGHT POLE OWNERSHIP AND RESPONSIBILITY:

DEVELOPER RESPONSIBLE FOR COST OF POLE DESIGN AND INSTALL

MVEA OWNS AND MAINTAINS LIGHT POLES UPON INSTALL

LOCAL DISTRICT/HOA RESPONSIBLE FOR LIGHT POLE ELECTRICITY COSTS

LIGHT POLE LOCATION WITHIN URBAN ROADWAY:

CRITERIA PER ECM 4.3.5.D.2

URBAN LOCAL CLEAR ZONE = 12'

POLE LOCATION = 6.5' MIN. FROM TBC AND 1.0' INSIDE 50' ROW

LIGHT POLE NOTES:

ALL LIGHT FIXTURES MOUNTED WITHIN 15' OF ANY RESIDENTIAL PROPERTY LINE OF THE SITE SHALL BE CLASSIFIED AS IES TYPE II OR TYPE III, OR FIXTURE DEMONSTRATED TO PROVIDE SIMILAR DISTRIBUTION PATTERNS AND SHIELDING PROPERTIES. FIXTURES SHALL BE FITTED WITH "HOUSE SIDE SHIELD" REFLECTORS ON THE SIDES FACING THE RESIDENTIAL PROPERTY LINE. LDC 6.2.3

HEIGHT. NO FREESTANDING LIGHT FIXTURES SHALL BE MOUNTED HIGHER THAN 15 FEET, EXCEPT PARKING LOT LIGHT FIXTURES WHICH SHALL BE MOUNTED NO HIGHER THAN 20 FEET UNLESS AN ALTERNATIVE LIGHTING PROPOSAL IS APPROVED IN ACCORDANCE WITH THIS CODE. LDC 6.2.3

AS-BUILT

COLORADO LICENSED
KYLE RATE CAMPBELL
29794
PROFESSIONAL ENGINEER

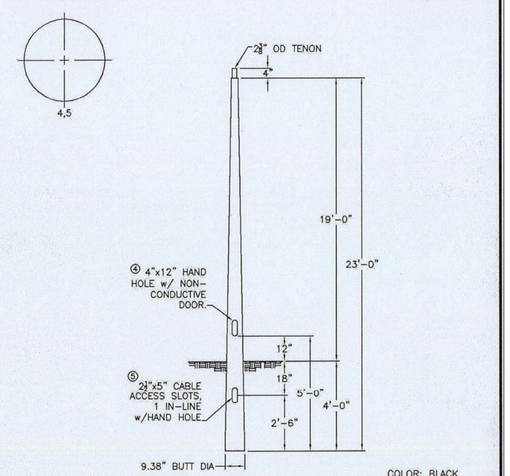
09/28/2026

N

50 25 0 50 100

SCALE: 1" = 50'

ORIENTATION VIEWED FROM TOP OF POLE



CMT
145 Wood Street
Estill, SC 29918
800-416-4276
www.cmtpoles.com

MOUNTAIN VIEW

CAT. NO.: TB23-D-50-3-H-T238			
SPECS:		WIND VEL.: 100@1.3	
QUANTITY:	JOB NUMBER:	TOT. LENGTH: 23'-0"	LUM. WEIGHT: 50 lbs.
PO. NUMBER:	APPD BY:	EMBED. DEPTH: 4'-0"	LUM. EPA: 3.50 sq.ft.
REV. DATE BY	REMARKS	TIP WIDTH: 4.41"	STATIC DEFL.:
	QUOTE:	WEIGHT: 50 lbs.	TOTAL DEFL.:
		DRAWN BY: PLF	DATE: 01/16/2017

PCD FILE # SF2522

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED
KYLE RATE CAMPBELL
29794
PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, COLORADO P.E. #29794

10/03/2025
DATE

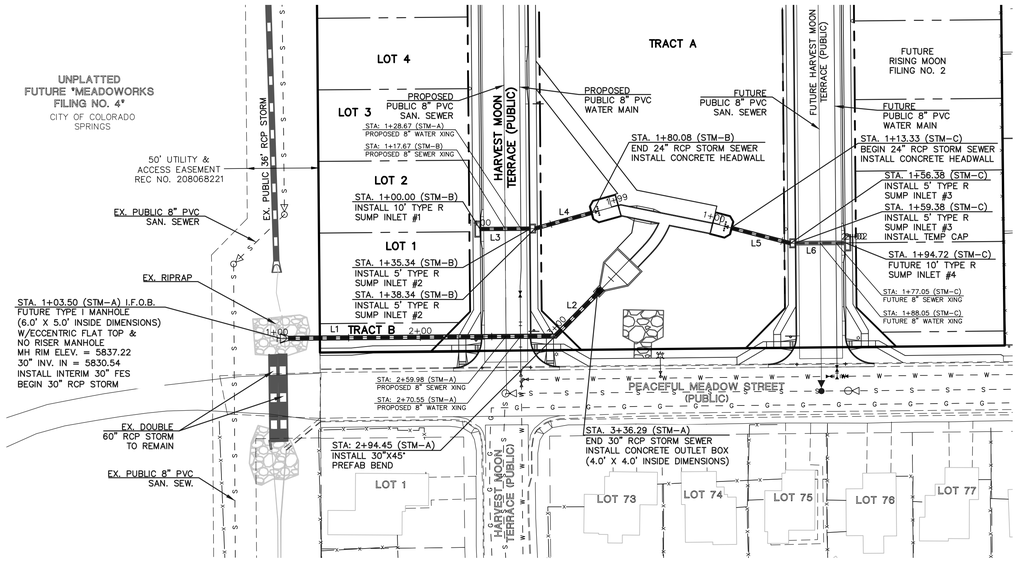
CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
PUBLIC STREET IMPROVEMENT PLAN
STREET LIGHT POLE LOCATION

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"=	50'	SHEET	10 OF 21
CHECKED BY	KRC	(V) 1"=	N/A	JOB NO.	2506.03

N:\2506\03\2 DRAWINGS\CONSTRUCTION\STREETS\10-C0 Plan4 PLPT 10X34(ANSI)D.dwg, 10/29/2025 8:18:10 AM, 1:1



STORM LINE TABLE			
Line #	**Length**	**Direction**	**Description**
L1	192.20	N89°30'35"E	PUBLIC 30" RCP
L2	41.83	N44°30'36"E	PUBLIC 30" RCP
L3	35.34	N89°30'36"E	PUBLIC 24" RCP
L4	41.74	N74°30'36"E	PUBLIC 24" RCP
L5	43.05	S75°29'24"E	PUBLIC 24" RCP
L6	35.34	N89°30'36"E	FUTURE 24" RCP

NOTES:
ALL STORM FACILITIES WITHIN R.O.W. ARE 'PUBLIC', UNLESS OTHERWISE NOTED. ALL 'PRIVATE' FACILITIES ARE OWNED AND MAINTAINED BY HOMEOWNERS ASSOCIATION.

ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.

ALL STORM SEWER PIPES TO BE CLASS 3.

STORM INLET DETAILS ARE LOCATED ON SHEETS 20 AND 21.

50 25 0 50 100

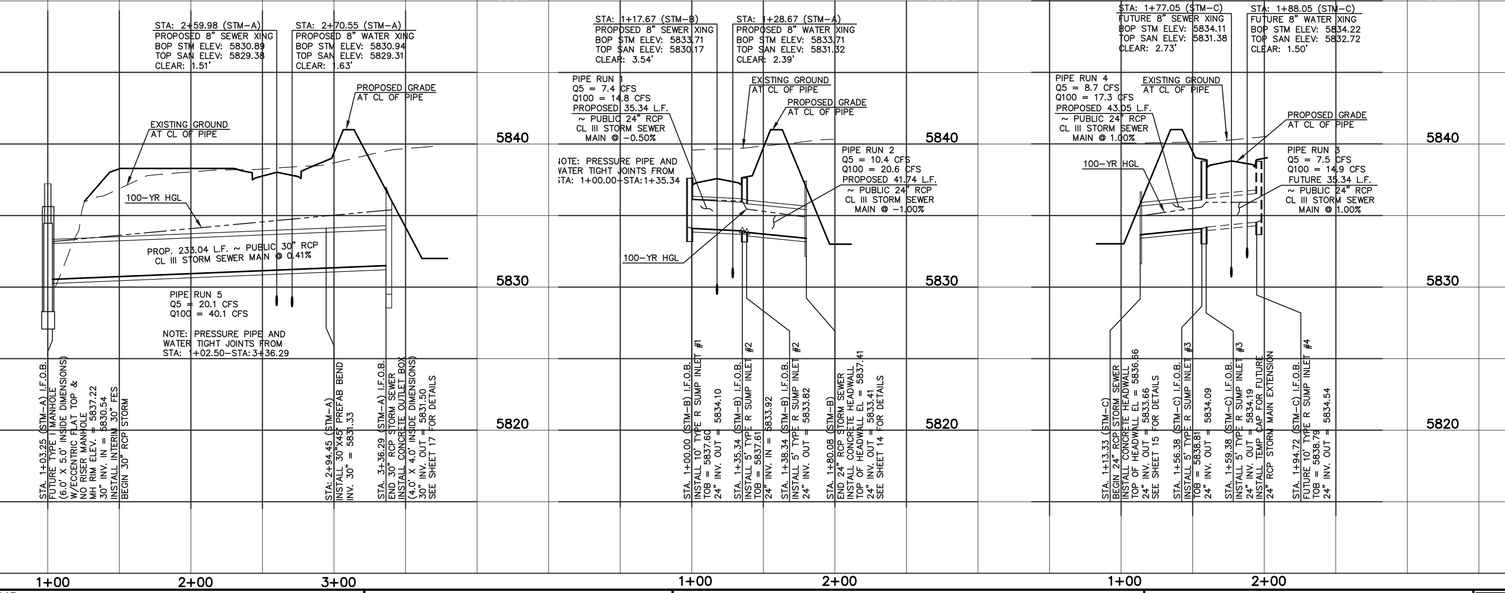
SCALE: 1" = 50'

AS-BUILT

COLORADO LICENSED
KATE CAMPBELL
#29794
PROFESSIONAL ENGINEER

09/28/2026

PUBLIC 30" RCP STORM – "MAIN-A" | **PUBLIC 24" RCP STORM – "MAIN-B"** | **PUBLIC 24" RCP STORM – "MAIN-C"**



PCD FILE # SF2522

LEGEND

PROPOSED FIRE HYDRANT	EXISTING FIRE HYDRANT
PROPOSED WATER MAIN	EXISTING WATER MAIN
PROPOSED SANITARY SEWER MAIN	EXISTING SANITARY SEWER MAIN
PROPOSED STORM SEWER	EXISTING STORM SEWER
PROPOSED STORM INLET	EXISTING STORM INLET
ROW/BOUNDARY LINE	EXISTING GAS MAIN
	EXISTING ELECTRIC

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COLORADO LICENSED KATE CAMPBELL #29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, COLORADO P.E. #29794

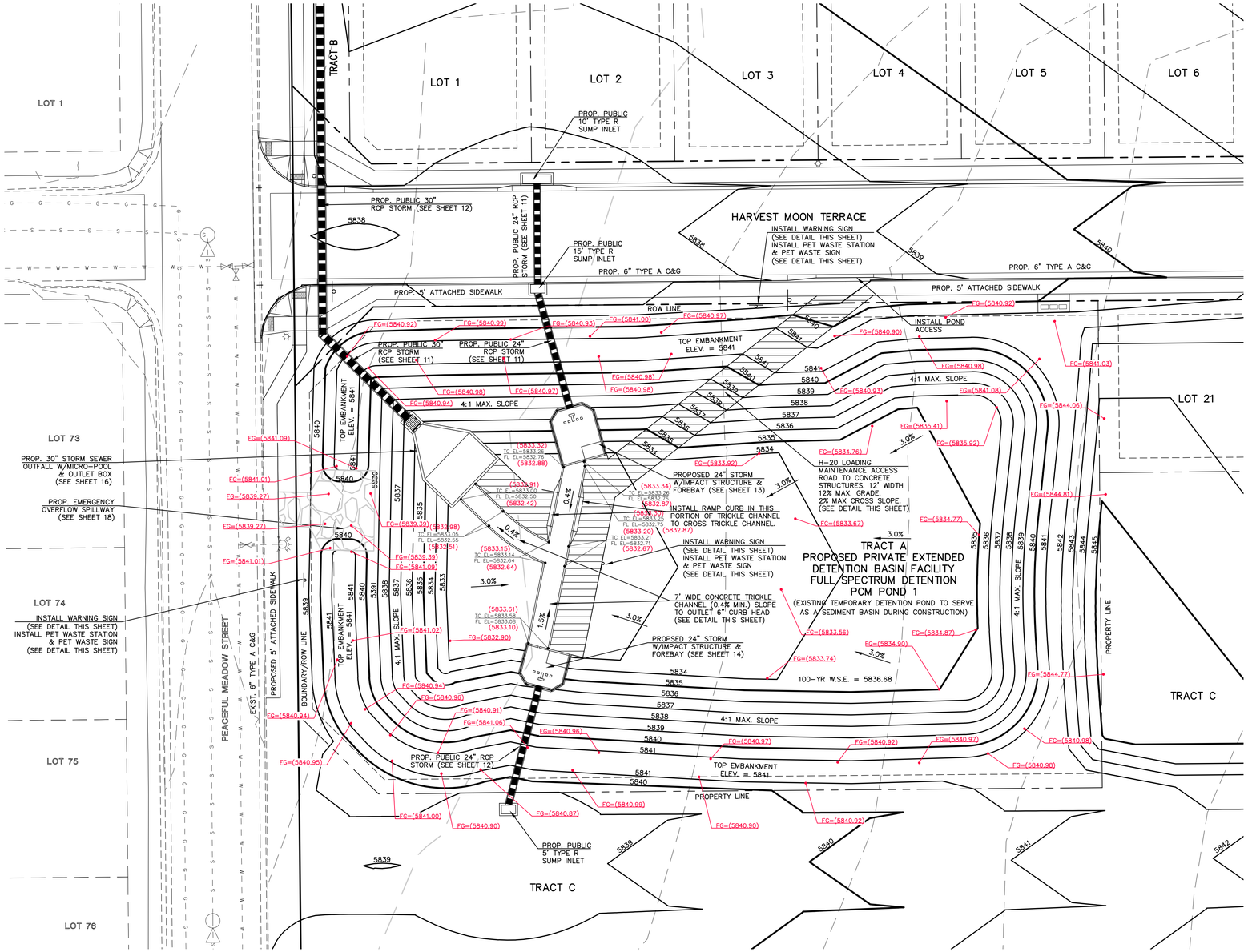
10/03/2025
DATE

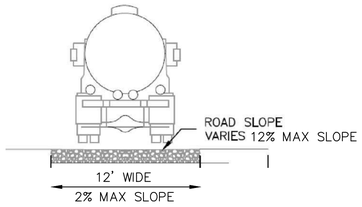
CLASSIC CONSULTING
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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
STORM SEWER PLAN
"MAIN A" – "MAIN B" – "MAIN C"

CLASSIC CONSULTING

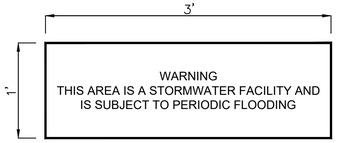
DESIGNED BY	KC	SCALE		DATE	10/03/25
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CHECKED BY	KRC	(V) 1"=	5'	JOB NO.	2506.03





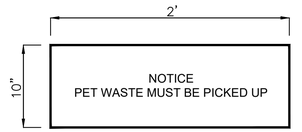
12" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL OVER COMPACTED SUBGRADE TO ELEVATION 7019.14 (EURV ELEVATION)
8" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL ABOVE 7019.14.

ACCESS ROAD



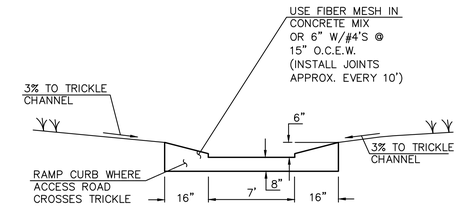
SIGN A

NOTES:
PROPOSED SIGNS SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND

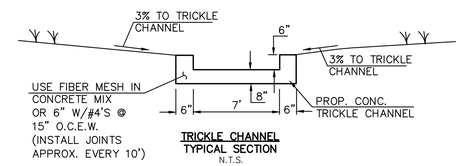


PER MHFD T-5, SOIL RIPRAP SHOULD BE PROVIDED ON THE DOWNSTREAM SIDE OF THE FOREBAY IF THE DOWNSTREAM GRADE IS LOWER THAN THE TOP OF WALL. THE FOREBAY WILL OVERTOP FREQUENTLY SO THIS PROTECTION IS NECESSARY FOR EROSION CONTROL. ALL SOIL RIPRAP IN THE AREA OF THE FOREBAY SHOULD BE SEEDED AND EROSION CONTROL FABRIC SHOULD BE PLACED TO RETAIN THE SEED IN THIS HIGH FLOW AREA.

NOTE:
POND BOTTOM TO SLOPE TOWARD TRICKLE CHANNEL AT 3% TO EDGE OF POND BOTTOM



TRICKLE CHANNEL
RAMP CURB SECTION
N.T.S.



TRICKLE CHANNEL
TYPICAL SECTION
N.T.S.

RESEEDING NOTE:
ALL AREAS OF LAND DISTURBANCE ARE TO BE RESEEDED. REAPPLY SEED & OTHER EROSION CONTROL MEASURES AS NEEDED TO PREVENT EROSION AND SEDIMENT RUNOFF ONTO AND FROM CONSTRUCTION ACTIVITIES.

AS-BUILT
(PERFORMED 06/09/2026)

AS-BUILT

COLORADO LICENSED KYLE R. CAMPBELL #29794 PROFESSIONAL ENGINEER
09/28/2026

PCD FILE # SF2522

LEGEND

PROPOSED FIRE HYDRANT	EXISTING FIRE HYDRANT
PROPOSED WATER MAIN	EXISTING WATER MAIN
PROPOSED SANITARY SEWER MAIN	EXISTING SANITARY SEWER MAIN
PROPOSED STORM SEWER	EXISTING STORM SEWER
PROPOSED STORM INLET	EXISTING STORM INLET
ROW/BOUNDARY LINE	EXISTING GAS MAIN
	EXISTING ELECTRIC

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NO.	REVISION	DATE

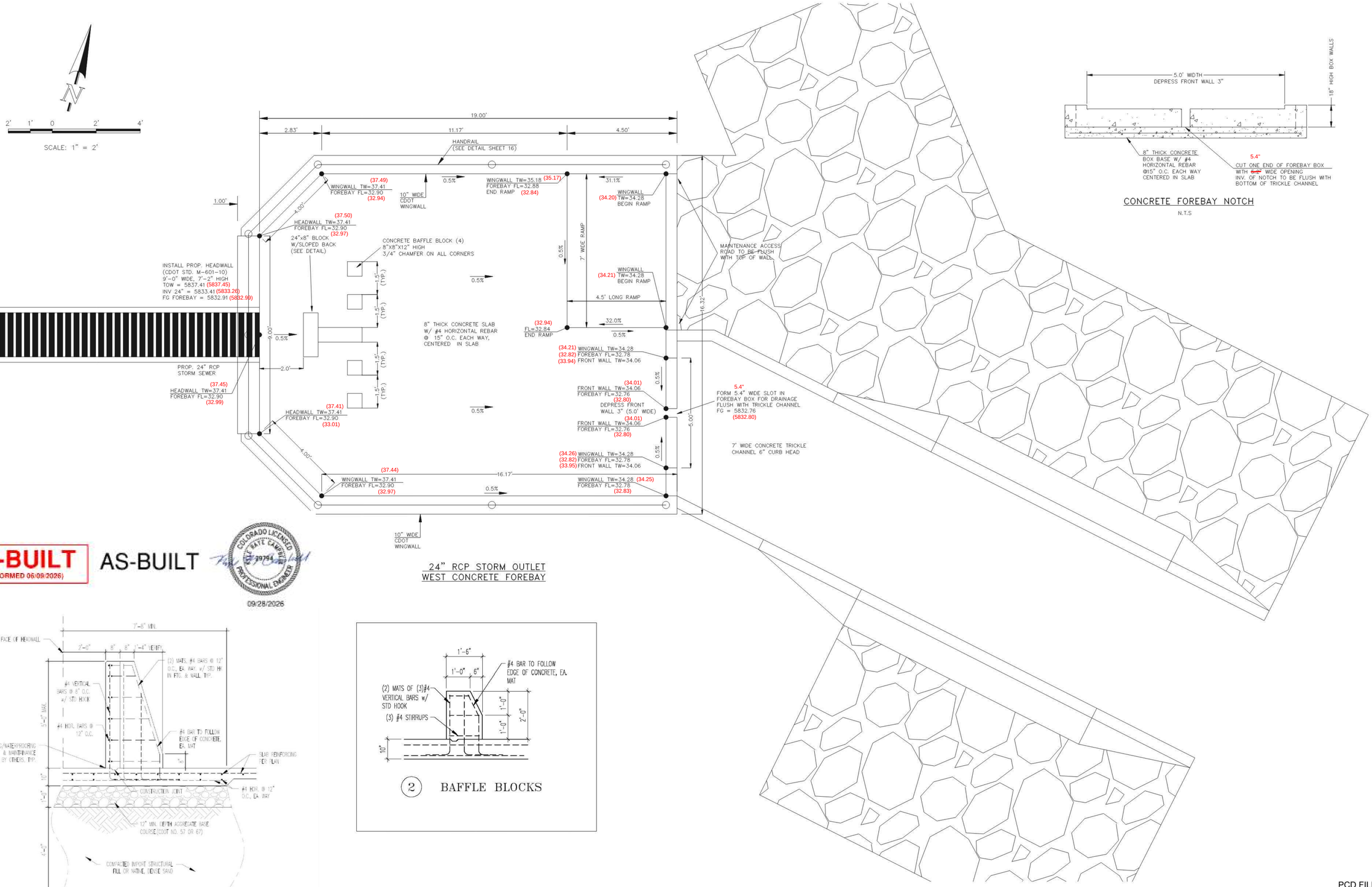
REVIEW:
PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
COLORADO LICENSED KYLE R. CAMPBELL #29794 PROFESSIONAL ENGINEER
KYLE R. CAMPBELL, COLORADO P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

RISING MOON FILING NO. 1
PCM POND 1
EDB – FULL SPECTRUM DETENTION

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= 20'		SHEET	12 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03



24" RCP STORM OUTLET WEST CONCRETE FOREBAY

CONCRETE FOREBAY NOTCH

N.T.S

AS-BUILT
(PERFORMED 06/09/2026)

AS-BUILT

COLORADO LICENSED
KYLE R. CAMPBELL
29794
PROFESSIONAL ENGINEER

09/28/2026

1 BAFFLE STRUCTURE

SCALE: 3/8 = 1'-0"

2 BAFFLE BLOCKS

PCD FILE # SF2522

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KYLE R. CAMPBELL
29794
PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

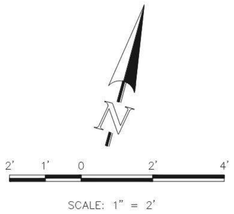
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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
PCM POND 1
EDB – FULL SPECTRUM DETENTION
"MAIN B"–24" IMPACT STRUCTURE & FOREBAY

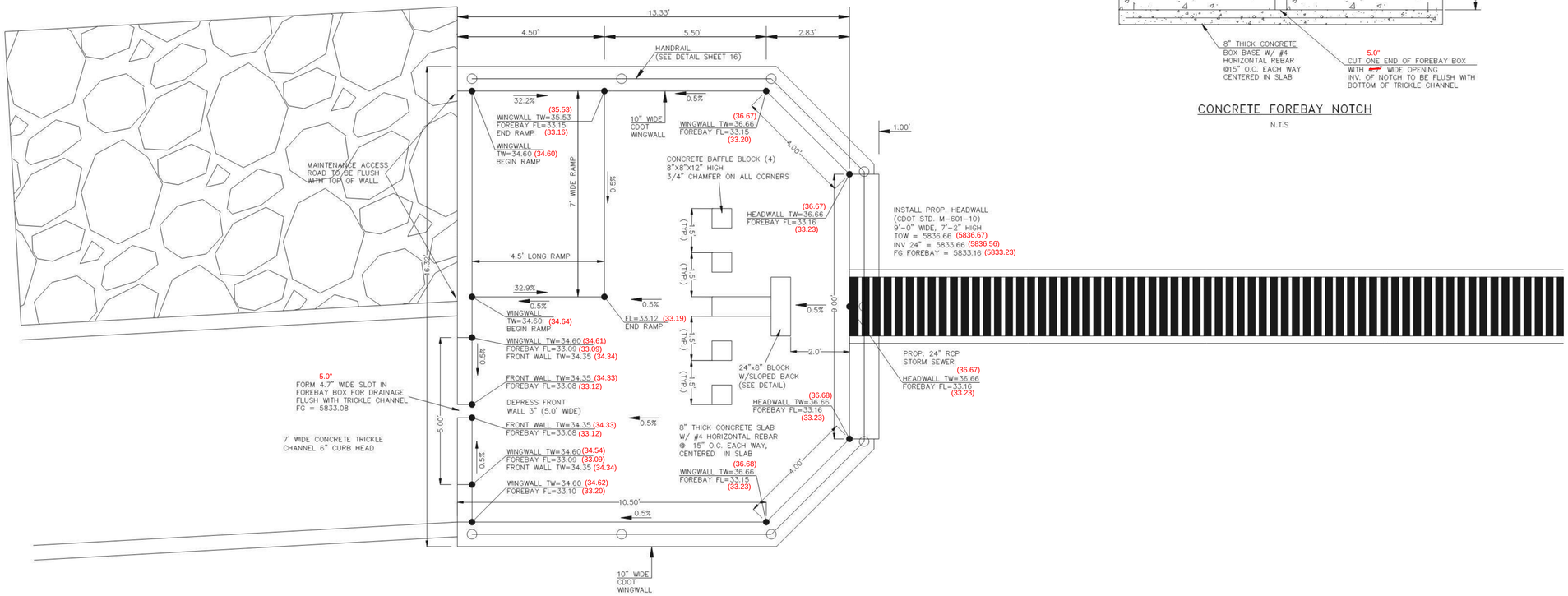
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DESIGNED BY	KC	SCALE		DATE	10/03/25
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CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

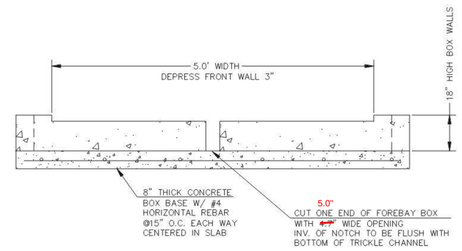
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SCALE: 1" = 2'

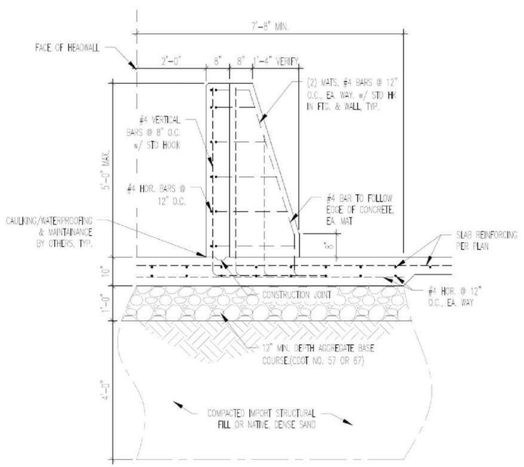


24" RCP STORM OUTLET
EAST CONCRETE FOREBAY



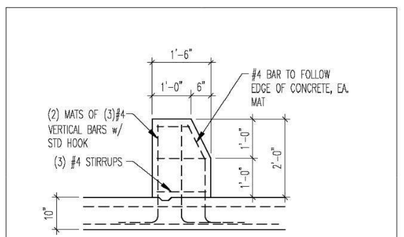
CONCRETE FOREBAY NOTCH

N.T.S



1 BAFFLE STRUCTURE

SCALE: 3/8 = 1'-0"



2 BAFFLE BLOCKS

AS-BUILT
(PERFORMED 06/09/2026)

AS-BUILT

COLORADO LICENSED RATE CAMPBELL 29794 PROFESSIONAL ENGINEER

09/25/2026

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KYLE R. CAMPBELL, P.E. #29794

10/03/2025
DATE

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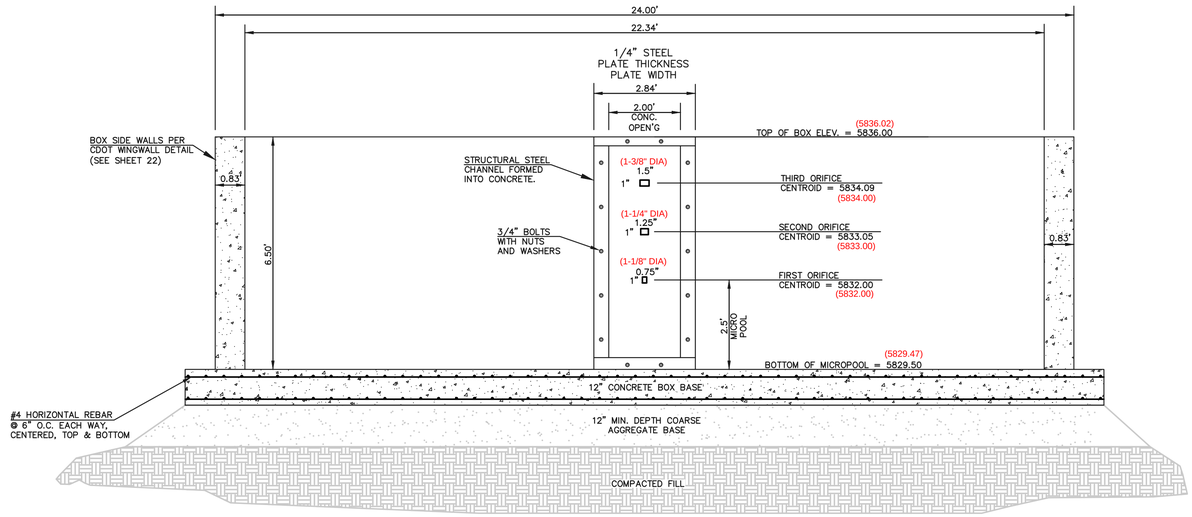
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
POND 1
EDB - FULL SPECTRUM DETENTION
"MAIN C"-24" IMPACT STRUCTURE & FOREBAY

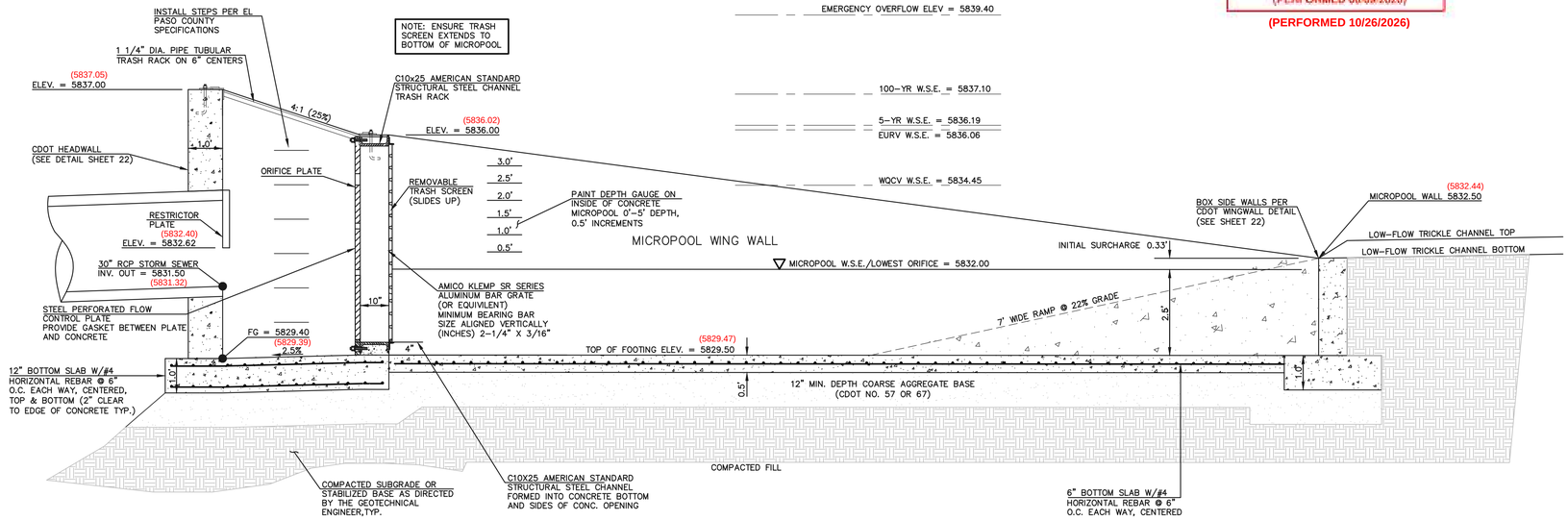
CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"=	5'	SHEET	14 OF 21
CHECKED BY	KRC	(V) 1"=	N/A	JOB NO.	2506.03

N:\2506\03\DRAWINGS\CONSTRUCTION\STORM\14-CD STM 24" STRUCT-RE EAST OF POND.dwg, 10/1/2025 4:04:55 PM, 1:1



4'X4' OUTLET BOX ORIFICE PLATE
NOT TO SCALE



4' X4' OUTLET BOX MICRO POOL
SCALE 1" = 2'

AS-BUILT
(PERFORMED 06/09/2026)

AS-BUILT
(PERFORMED 10/26/2026)

COLORADO LICENSED
KYLE R. CAMPBELL
29794
PROFESSIONAL ENGINEER

10/27/2026

PCD FILE # SF2522

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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
PCM POND 1
EDB – FULL SPECTRUM DETENTION
POND OUTLET BOX – PROFILE VIEW

CLASSIC CONSULTING

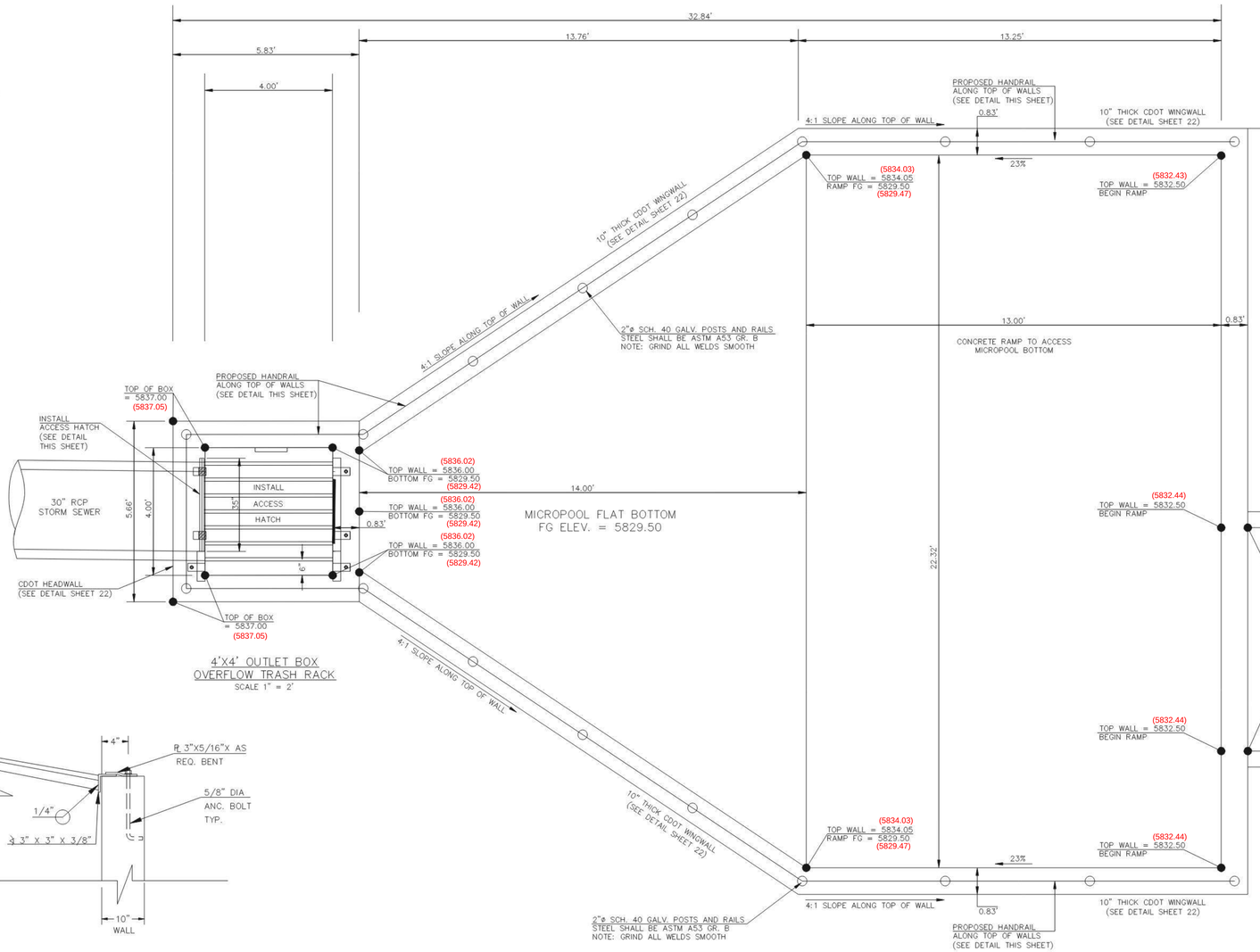
DESIGNED BY	KC	SCALE		DATE	10/22/2025
DRAWN BY	KC	(H) 1"= 2'		SHEET 15	OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

STEEL FABRICATION NOTES:

1. FABRICATED STEEL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AISC AND AWS SPECIFICATIONS.
2. THE OUTLET STRUCTURE BARGRATE IS DESIGNED FOR A VERTICAL LOAD OF 300 LBS./SQ. FT.
3. ALL STRUCTURAL STEEL SHAPES TO INCLUDE: ANGLE, PLATE, AND BAR SHALL MEET ASTM A36 SPECIFICATIONS, FY = 36 KSI MINIMUM. STRUCTURAL TUBING SHALL MEET ASTM A500 GRADE B SPECIFICATIONS, FY = 46 KSI MINIMUM. STEEL PIPE SHALL BE STANDARD WEIGHT PIPE ASTM A53 GRADE B, FY = 35 KSI MINIMUM.
4. WELDS NOT INDICATED SHALL BE 1/8" MINIMUM FILLET OR GROOVE, CONTINUOUS SO FAR AS POSSIBLE, CONSIDER VANDALISM LOADS, WELD ACCORDINGLY AT CRITICAL LOCATIONS.
5. PRIOR TO PAINTING REMOVE ALL OIL, SCALE, AND SLAG, GRIND OFF BURRS AND SHARP EDGES.
6. PAINT WITH ONE SHOP COAT OF ZINC RICH PRIMER AND TWO COATS OF ALUMINUM PAINT, AASHTO M-69

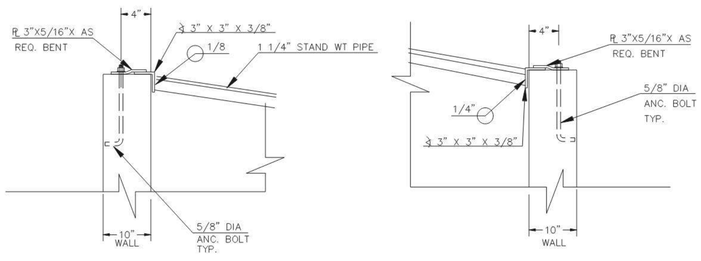
OVERFLOW TRASH RACKS:

1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE ACCESS PANELS (AS SHOWN)
2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
4. STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

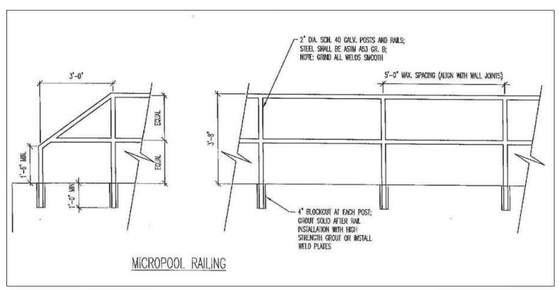


4'X4' OUTLET BOX
OVERFLOW TRASH RACK
SCALE 1" = 2'

CONCRETE MICROPOOL
SCALE 1" = 2'



ANCHOR BOLT/GRATE DETAIL
N.T.S.



MICROPOOL RAILING

NOTES:
1. WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDDMENT.
2. DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
3. HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
4. RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
5. ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0 MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.
6. HANDRAIL FINISH SHALL BE ONE COAT RED METAL PRIMER AND TWO COATS ENAMEL (RUSTOLEUM OR EQUIVALENT). COLOR SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION.

INLET/OUTLET BOX RAILING
N.T.S.

AS-BUILT
(PERFORMED 06/09/2026)

AS-BUILT

COLORADO LICENSED KYLE R. CAMPBELL 29794 PROFESSIONAL ENGINEER
09/28/2026

PCD FILE # SF2522

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED KYLE R. CAMPBELL 29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

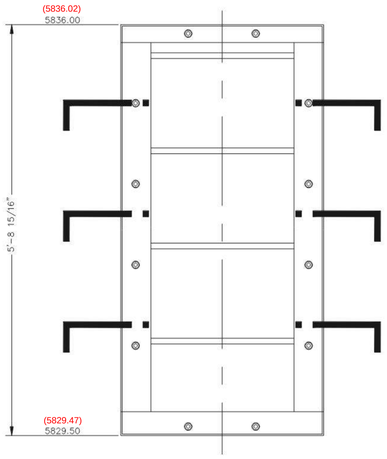
CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
PCM POND 1
EDB – FULL SPECTRUM DETENTION
POND OUTLET BOX AND MICROPOOL DETAILS

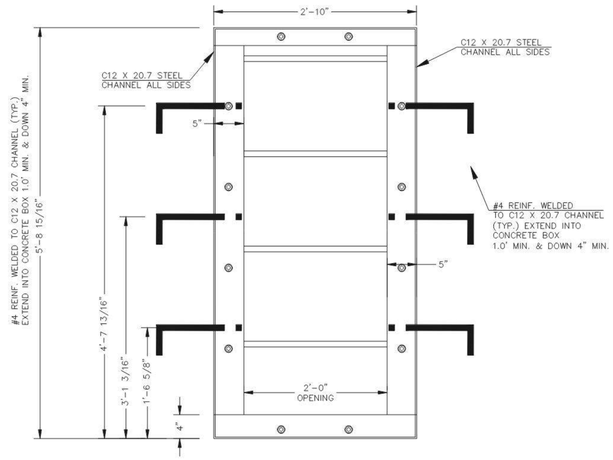
CLASSIC CONSULTING

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CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

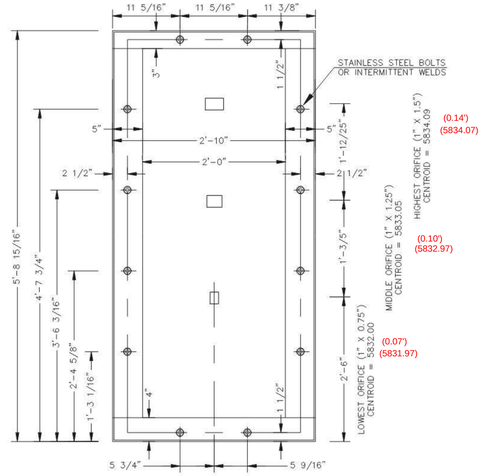
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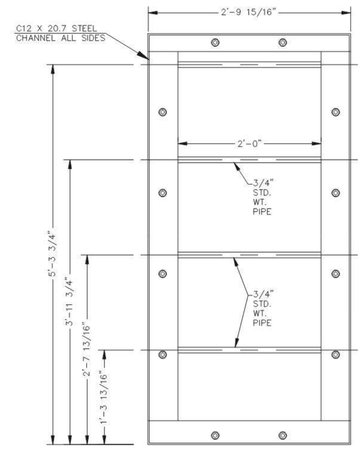
OUTLET CONTROL PLATE AND FRAME
SCALE: 1"=1'



CHANNEL FRAME WITH WALL ANCHORS
SCALE: 1"=1'



1/4" THICK ORIFICE PLATE
SCALE: 1"=1'



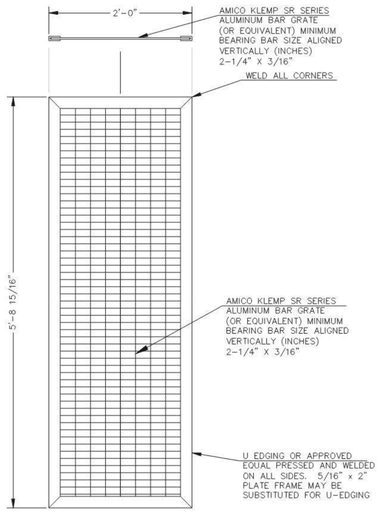
CHANNEL FRAME
SCALE: 1"=1'

AS-BUILT
(PERFORMED 06/09/2026)

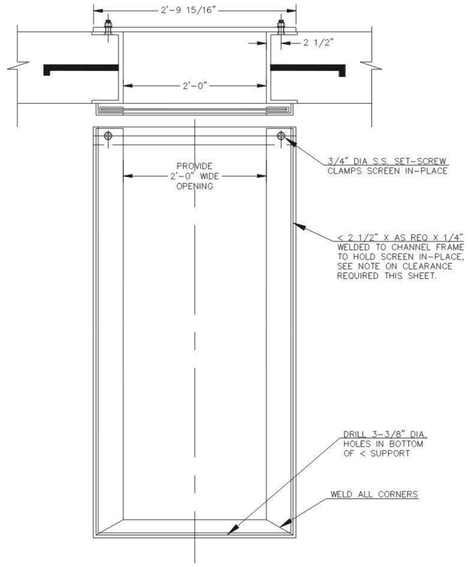
AS-BUILT

COLORADO LICENSED
KYLE R. CAMPBELL
29794
PROFESSIONAL ENGINEER

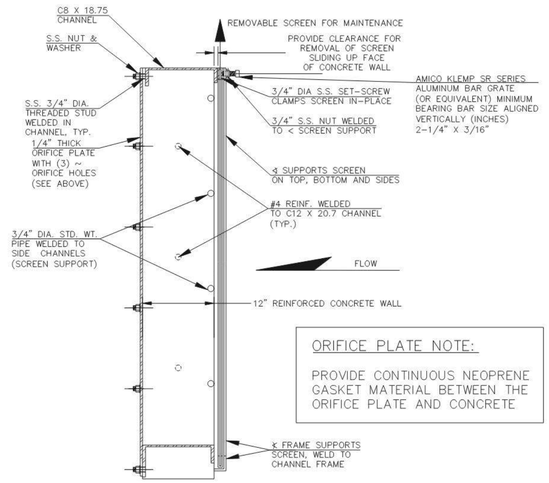
09/25/2026



TRASH SCREEN
SCALE: 1"=1'



SCREEN SUPPORT
SCALE: 1"=1'



ORIFICE PLATE NOTE:

PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE

SCREEN SUPPORT SECTION A–A
SCALE: 1"=1'

PCD FILE # SF2522

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COLORADO LICENSED KYLE R. CAMPBELL 29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING℠
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
POND 1
EDB – FULL SPECTRUM DETENTION
OUTLET BOX DETAILS

DESIGNED BY	KC	SCALE	DATE 10/03/25
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CHECKED BY	KRC	(V) 1"= N/A	JOB NO. 2506.03

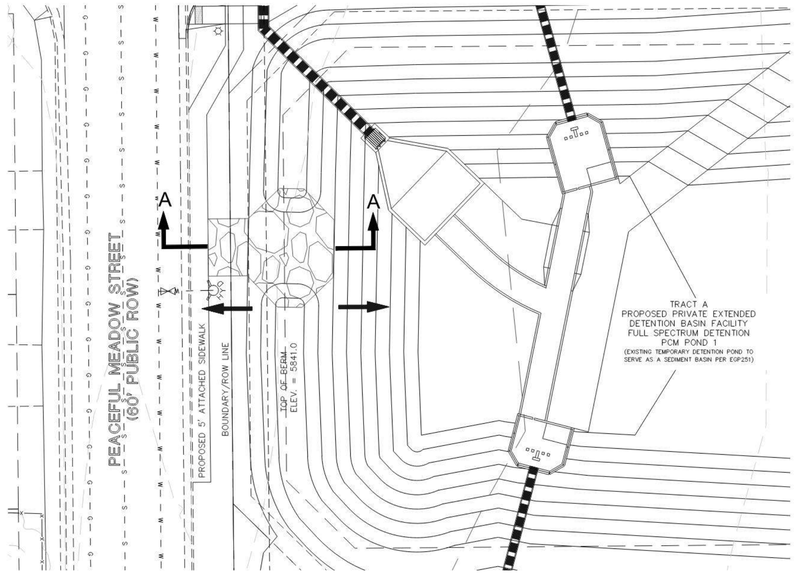
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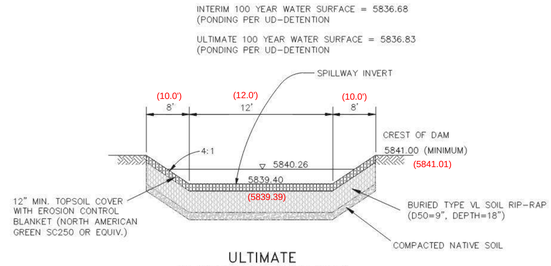
AS-BUILT
(PERFORMED 09/09/2026)

AS-BUILT

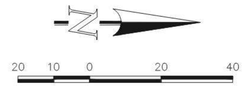
COLORADO LICENSED
KYLE R. CAMPBELL
39794
PROFESSIONAL ENGINEER

09/28/2026

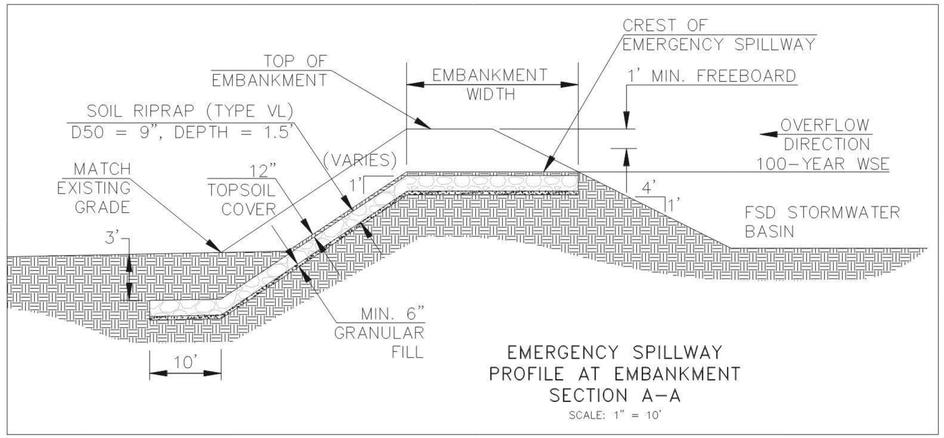




ULTIMATE
EMERGENCY SPILLWAY
SECTION
SCALE: N.T.S.



SCALE: 1" = 20'



EMERGENCY SPILLWAY
PROFILE AT EMBANKMENT
SECTION A-A
SCALE: 1" = 10'

PCD FILE # SF2522

LEGEND

PROPOSED FIRE HYDRANT	EXISTING FIRE HYDRANT
PROPOSED WATER MAIN	EXISTING WATER MAIN
PROPOSED SANITARY SEWER MAIN	EXISTING SANITARY SEWER MAIN
PROPOSED STORM SEWER	EXISTING STORM SEWER
PROPOSED STORM INLET	EXISTING STORM INLET
ROW/BOUNDARY LINE	EXISTING GAS MAIN
	EXISTING ELECTRIC

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RISING MOON FILING NO. 1
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EDB - FULL SPECTRUM DETENTION
SPILLWAY DETAILS

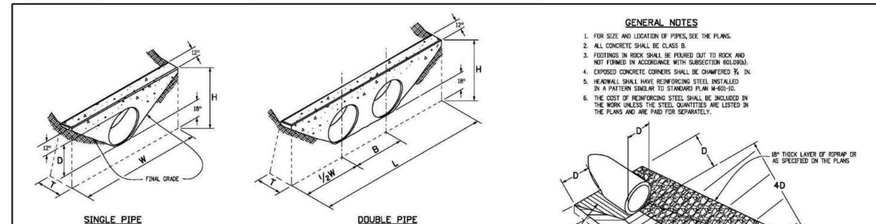
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AS-BUILT

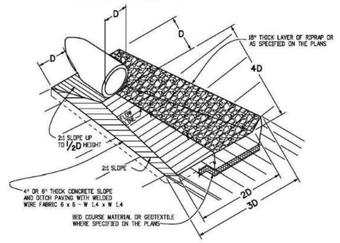
09/28/2026



CONCRETE HEADWALL INSTALLATIONS
SEE STANDARD PLAN M-601-10 FOR REINFORCING DETAILS.

GENERAL NOTES

1. FOR SIZE AND LOCATION OF PIPES, SEE THE PLANS.
2. ALL CONCRETE SHALL BE CLASS B.
3. FOOTINGS IN ROCK SHALL BE POURED OUT TO ROCK AND NOT FORMED IN ACCORDANCE WITH SUBSECTION 601.03(b).
4. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED ¾ IN.
5. HEADWALL SHALL HAVE REINFORCING STEEL INSTALLED IN A PATTERN SIMILAR TO STANDARD PLAN M-603-10.
6. THE COST OF REINFORCING STEEL SHALL BE INCLUDED IN THE WORK UNLESS THE STEEL QUANTITIES ARE LISTED IN THE PLANS AND ARE PAID FOR SEPARATELY.



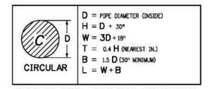
PIPE OUTLET PAVING
MAY BE USED WITH MULTIPLE PIPES.

PIPE		PIPE DIAMETER (AND EQUIVALENT DIAMETER) (IN.)									
		18		24		30		36		42		48	
TYPE	MATERIAL	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE
CIRCULAR	RIGID	1.0	1.3	1.5	2.0	2.0	2.7	2.8	3.6	3.6	4.6	4.6	6.0
	FLEXIBLE	1.1	1.4	1.6	2.1	2.2	3.0	3.0	4.0	3.9	5.3	5.0	6.8
ELLIPTICAL	RIGID	23 x 14		30 x 19		38 x 24		45 x 29		53 x 34		60 x 38	
		0.9	1.2	1.3	1.6	1.7	2.2	2.3	2.9	2.9	3.7	3.5	4.4
ARCH	METAL	22 x 13		29 x 18		36 x 22		43 x 27		50 x 31		58 x 36	
		0.9	1.3	1.4	1.9	1.8	2.4	2.4	3.4	3.2	4.4	3.4	5.0

CONCRETE QUANTITIES FOR ONE CONCRETE HEADWALL (CUBIC YARDS)

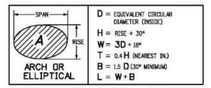
THICKNESS	MATERIAL	PIPE DIAMETER (IN.)					
		18	24	30	36	42	48
4"	CONCRETE	0.4	0.8	1.2			
8"	CONCRETE				2.6	3.6	4.7
18"	RIPRAP	2.0	3.5	5.4	7.8	10.7	13.9

PIPE OUTLET PAVING (CUBIC YARDS)
NOTE: VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED.



D = PIPE DIAMETER (INSIDE)
H = D + 30"
W = 3D + 18"
T = 0.4 H (NEAREST IN.)
B = 1.5 D (30" MINIMUM)
L = W + B

TYPE OF PIPE | HEADWALL DIMENSIONS



D = EQUIVALENT CIRCULAR DIAMETER (INSIDE)
H = RISE + 30"
W = 3D + 18"
T = 0.4 H (NEAREST IN.)
B = 1.5 D (30" MINIMUM)
L = W + B

TYPE OF PIPE | HEADWALL DIMENSIONS

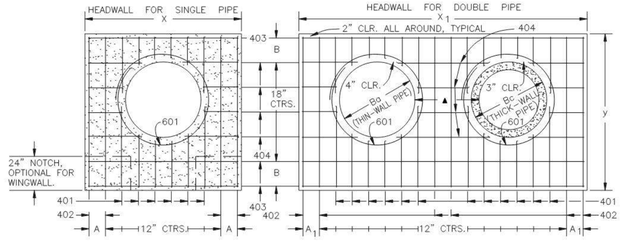
Computer File Information		Sheet Revisions		
Creation Date: 07/04/12	Initials: DD	Dates	Comments	
Last Modification Date: 07/04/12	Initials: LTA			
Full Path: www.coloradodot.info/business/designsupport	(R2K)			
Drawing File Name: 60602D01.dgn	(R2K)			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(R2K)			

Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222
Phone: (303) 757-9083
Fax: (303) 757-9820
Project Development Branch DD/LTA

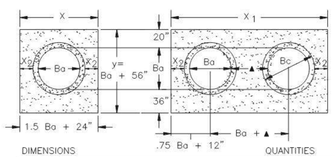
HEADWALLS AND PIPE OUTLET PAVING
Issued By: Project Development Branch July 4, 2012

STANDARD PLAN NO. M-601-12
Sheet No. 1 of 1

CDOT M-601-12
HEADWALL DETAIL

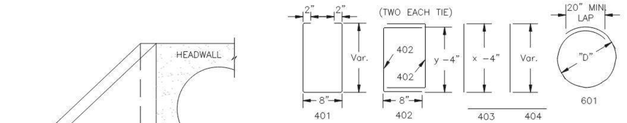


TYPICAL BAR LAYOUT FOR CONCRETE HEADWALLS



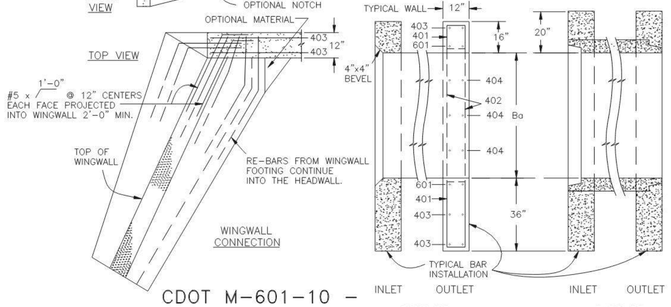
DIMENSIONS									QUANTITIES			
									CONCRETE		STEEL ■	
Ba in.	Bc in.	X ft.–in.	A in.	X_1 ft.–in.	A_1 in.	y ft.–in.	B in.	X_2 in.	SGL cu.yd.	DBL cu.yd.	SGL lbs.	DBL lbs.
54	65	8–9	8½	15–6	7	9–2	17	20	2.12	3.55	209	364
60	72	9–6	7	17–0	10	9–8	11	21	2.35	3.99	236	414
66	79	10–3	11½	18–6	7	10–2	14	22	2.60	4.44	249	453
72	86	11–0	10	20–0	10	10–8	17	23	2.85	4.91	270	476
78	93	11–9	8½	21–3	11	11–2	11	24	3.11	5.29	306	527
84	100	12–6	7	22–6	7	11–8	14	25	3.38	5.68	333	572
90	107	13–3	11½	23–9	8½	12–2	17	26	3.66	6.08	335	593
96	114	14–0	10	25–0	10	12–8	11	27	3.94	6.48	379	649
102	121	14–9	8½	26–3	11½	13–2	14	28	4.24	6.89	400	664
108	128	15–6	7	27–6	7	13–8	17	29	4.54	7.30	424	707

HEADWALL FOR THICK – WALL ROUND PIPE



"D" FOR
THICK–WALL PIPE, = Bc + 6"
THIN–WALL PIPE, = Ba + 8"
THIN–WALL PIPE–ARCH = SPAN + 8"
STRUCTURAL PLATE–ARCH = RISE + 8"

BAR BENDING



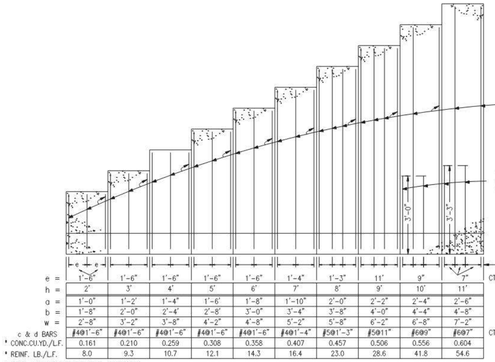
CDOT M–601–10 – HEADWALL DETAIL

GENERAL NOTES

1. CONCRETE SHALL BE CLASS B.
2. HEADWALL SHALL BE PERPENDICULAR TO THE CULVERT ℄ UNLESS OTHERWISE SHOWN ON THE PLANS. TABULATED DIMENSIONS AND QUANTITIES MUST BE ADJUSTED FOR SKEWED INSTALLATIONS.
3. FOR WINGWALL DETAILS, SEE STANDARD M-601-20.
4. VOLUME OCCUPIED BY PIPE HAS BEEN DEDUCTED FROM STEEL AND CONCRETE QUANTITIES.
5. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
6. ALL BARS SHALL HAVE A 2" MINIMUM CLEARANCE.

▲ WHEN TWO OR MORE CONDUITS ARE LAID SIDE BY SIDE, THEY SHALL BE PLACED SO THAT THE ADJACENT PIPES WILL BE 1/2 INSIDE DIAMETER OR 1/2 INSIDE SPAN OR 3 FEET APART (INCLUDING WALL THICKNESS) WHICHEVER IS LESS.

■ ADD 0.89 X (X OR X_1) (LB.) WHEN APRON IS REQUIRED.

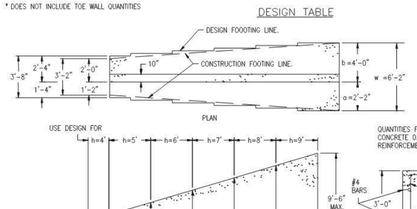


e =	1'–6"	1'–6"	1'–6"	1'–6"	1'–6"	1'–4"	1'–3"	11"	9"	7"	CTRS.
h =	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	
o =	1'–0"	1'–2"	1'–4"	1'–6"	1'–8"	1'–10"	2'–0"	2'–2"	2'–4"	2'–6"	
b =	1'–8"	2'–0"	2'–4"	2'–8"	3'–0"	3'–4"	3'–8"	4'–0"	4'–4"	4'–8"	
w =	2'–8"	3'–2"	3'–8"	4'–2"	4'–8"	5'–2"	5'–8"	6'–2"	6'–8"	7'–2"	
c & d BARS	#4@1'–6"	#4@1'–6"	#4@1'–6"	#4@1'–6"	#4@1'–6"	#4@1'–4"	#5@1'–3"	#5@11"	#6@9"	#6@7"	CTRS.
* CONC.CU.YD./L.F.	0.161	0.210	0.259	0.308	0.358	0.407	0.457	0.506	0.556	0.604	
* REINF. LB./L.F.	8.0	9.3	10.7	12.1	14.3	16.4	23.0	28.6	41.8	54.6	

* DOES NOT INCLUDE TOE WALL QUANTITIES

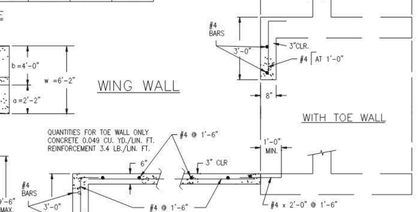
DESIGN TABLE

TYPICAL SECTION



DESIGN EXAMPLE

WING WALL



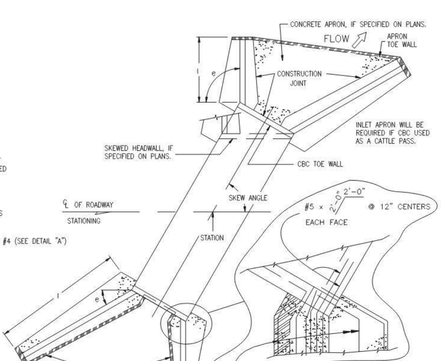
APRON TOE WALL

CDOT M–601–20
WINGWALL DETAIL

GENERAL NOTES

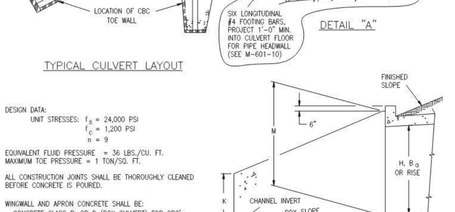
1. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4".
2. WINGWALL FOOTINGS AND FLOOR OF BOX CULVERT SHALL BE PLACED MONOLITHICALLY.
3. DIMENSIONS "H", "Bo", "RISE", "k", "i", "m" AND ANGLES FOR WINGWALLS SHALL BE AS SHOWN ON THE PLANS.
4. REINFORCING STEEL SHALL BE GRADE 60.
5. THE MINIMUM SPLICE LENGTH FOR COMMON BAR SIZES SHALL BE:

BAR	#4	#5	#6
SPLICE LENGTH	1'–3"	1'–7"	2'–0"



DETAIL "A"

TYPICAL CULVERT LAYOUT



BOX ELEVATION

M = H, Bo OR RISE + (1'–4")
UNLESS OTHERWISE SHOWN ON PLANS.

DESIGN DATA:
UNIT STRESSES: f_s = 24,000 PSI
f_c = 1,200 PSI
n = 9

EQUIVALENT FLUID PRESSURE = 36 LBS./CU. FT.
MAXIMUM TOE PRESSURE = 1 TON/SQ. FT.

ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE CONCRETE IS POURED.

WINGWALL AND APRON CONCRETE SHALL BE:
CONCRETE CLASS B, OR D (BOX CULVERT) FOR CBC's.
CONCRETE CLASS B, OR D (WALL) FOR PIPES.

LIVE LOAD SURCHARGE HAS NOT BEEN CONSIDERED. WALLS WITHIN ½ OF THE EDGE OF THE ROADWAY SHOULDER WILL REQUIRE A SPECIAL DESIGN IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

APRON REQUIRED AT INLET OF THE CBC, IF USED FOR CATTLE PASSAGE.

PCD FILE # SF2522

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

REVIEW:

PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

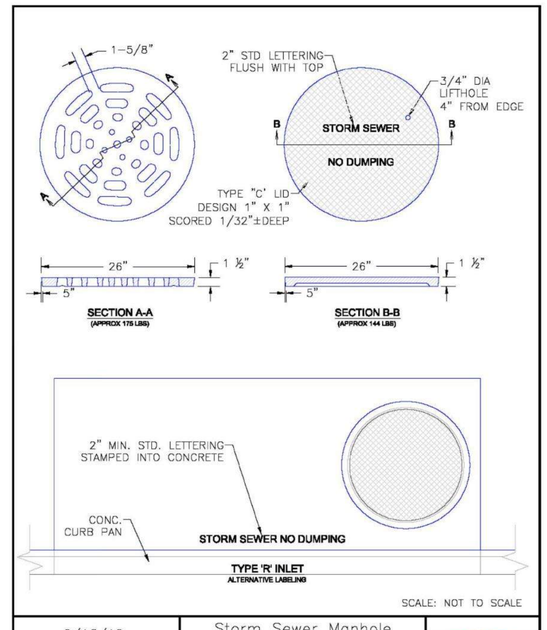
RISING MOON FILING NO. 1
PCM POND 1
EDB – FULL SPECTRUM DETENTION
DETAILS SHEET

DESIGNED BY	KC	SCALE	DATE	10/03/25
DRAWN BY	KC	(H) 1"= N/A	SHEET	19 OF 21
CHECKED BY	KRC	(V) 1"= N/A	JOB NO.	2506.03

N:\2506\03\DRAWINGS\CONSTRUCTION\STORM\19-603 STM DETAILS.dwg, 10/1/2025 4:10:20 PM, 1:1

AS-BUILT

09/28/2026



9/16/10	Storm Sewer Manhole Details	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
DATE APPROVED:	Standard Drawing	
André P. Brackin	REVISION DATE: 9/16/10	FILE NAME: SD_3-5
DEPARTMENT OF TRANSPORTATION		

TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

MARK	DIA IN.	O.C. SPACING	TYPE	ALL INLETS L= → 5' NO.REQ'D.	ALL INLETS L= → 5' LENGTH	INLETS, H ≤ 5' 10' NO.REQ'D.	INLETS, H ≤ 5' 10' LENGTH	INLETS, H ≤ 5' 15' NO.REQ'D.	INLETS, H ≤ 5' 15' LENGTH	INLETS, H > 5' 10' NO.REQ'D.	INLETS, H > 5' 10' LENGTH	INLETS, H > 5' 15' NO.REQ'D.	INLETS, H > 5' 15' LENGTH
401		11"	II	15	*	21	*	26	*	11	*	11	*
402		11"	II	7	*	13	*	18	*	7	*	7	*
403		9 "	II	*	4'-10"	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-10"
405		6 "	VI	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"	11	6'-10
406		6 "	VIII	7	8'-10"	7	13'-10"	7	18'-10"	7	8'-10"	7	8'-10"
407	1/2"	9 "	II	*	5'-10"	*	10'-10	*	15'-10"	*	5'-10"	*	5'-10"
408		12"	II	3	6'-10"	3	11'-0"	3	16'-0"	3	11'-0"	3	16'-0"
409		8 "	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"
410		11"	VII							3	*	3	*
411		11"	II							3	5'-2"	3	10'-2"
412		11"	II							3	2'-9"	3	2'-9"
413		9 "	II							7	10'-10"	7	15'-10"
501		5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	33	3'-4"
502	5/8"	5 1/2"	III							11	11'-5"	17	11'-5"
503		5 1/2"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	6	3'-6"
504		5 1/2"	IX									5	8'-4"
601	3/4"	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	4	8'-10"
ø8(8.5				1	5'-10"	1	10'-10"	1	15'-10"	1	10'-10"	1	15'-10"
				2BARS,1ROD	——	4BARS,3RODS	——	5BARS,5RODS	——	4BARS,3RODS	——	5BARS,5RODS	——
				REGULAR INLETS						DROP BOX INLETS			

* VARIABLE, REFER TO TABLE TWO.
ø INCLUDE 18" NO. 4 BARS (SEE CHANNEL LAYOUT DETAIL).
▼ SEE CURB FACE ASSEMBLY ON SHEET 1 AND CHANNEL LAYOUT DETAILS ON THIS SHEET.

TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

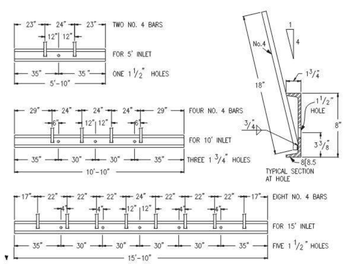
'H'	LENGTH 401	402	403	410	NO. REQ'D. REGULAR 403	NO. REQ'D. DROP BOX 407	L=5' CU.YD.CONC.	L=5' LB.STEEL	L=10' CU.YD.CONC.	L=10' LB.STEEL	L=15' CU.YD.CONC.	L=15' LB.STEEL
3'-0"	2'-8"	1'-8"			10	7			3.2	285	5.3	497	7.4	706
3'-6"	3'-2"	2'-2"			10	7			3.4	305	5.7	528	7.9	747
4'-0"	3'-8"	2'-8"			12	9			3.7	326	6.0	559	8.4	786
4'-6"	4'-2"	3'-2"			12	9			3.9	334	6.4	571	8.8	803
5'-0"	4'-8"	3'-8"			14	11			4.1	354	6.7	602	9.3	844
5'-6"	5'-2"	4'-2"	3'-5"		16	13	15	6	4.4	375	6.0	607	7.4	850
6'-0"	5'-8"	4'-8"	3'-11"		16	13	16	6	4.6	382	6.2	616	7.6	860
6'-6"	6'-2"	5'-2"	4'-5"		18	15	18	8	4.8	402	6.4	637	7.8	880
7'-0"	6'-8"	5'-8"	4'-11"		20	17	19	10	5.0	423	6.6	654	8.0	897
7'-6"	7'-2"	6'-2"	5'-5"		20	17	20	10	5.3	430	6.9	664	8.3	907
8'-0"	7'-8"	6'-8"	5'-11"		22	19	22	12	5.5	451	7.1	684	8.5	927
8'-6"	8'-2"	7'-2"	6'-5"		24	21	23	14	5.7	471	7.3	702	8.7	944
9'-0"	8'-8"	7'-8"	6'-11"		24	21	24	14	6.0	479	7.6	711	9.0	954
9'-6"	9'-2"	8'-2"	7'-5"		26	23	26	16	6.2	499	7.8	732	9.2	974
10'-0"	9'-8"	8'-8"	7'-11"		28	25	27	18	6.4	520	8.0	749	9.4	992
10'-6"	10'-2"	9'-2"	8'-5"		28	25	28	18	6.7	527	8.3	759	9.7	1001
11'-0"	10'-8"	9'-8"	8'-11"		30	27	30	20	6.9	547	8.5	779	9.9	1022

NOTE: FOR L=5', L=10' AND L=15'
REGULAR INLETS: TOTAL QUANTITIES NEEDED ARE OUTSIDE OF THE HEAVY BLACK LINE.
DROP BOX INLETS: TOTAL QUANTITIES NEEDED ARE INSIDE OF THE HEAVY BLACK LINE

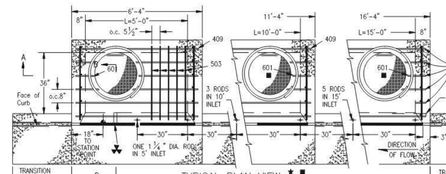
STEEL WEIGHTS DO NOT INCLUDE STRUCTURAL STEEL.

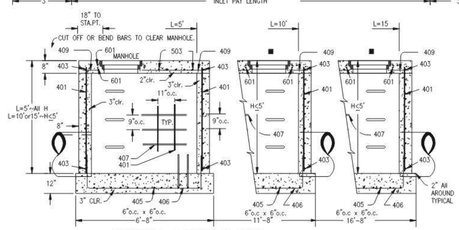
GENERAL NOTES

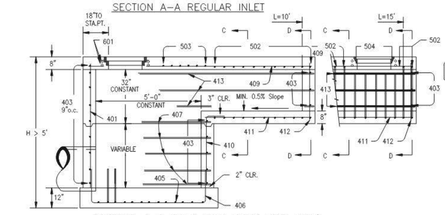
1. ALL CONCRETE SHALL BE CLASS B.
2. CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 IN. THICK.
3. INLET STEPS SHALL BE IN ACCORDANCE WITH AASHTO M 199.
4. CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.
5. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4 IN. CURB AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND GUTTER BEYOND THE TRANSITION GUTTER.
6. REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPOXY COATED.
7. DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
8. MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO 712.06.
9. SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
10. STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF 712.06.

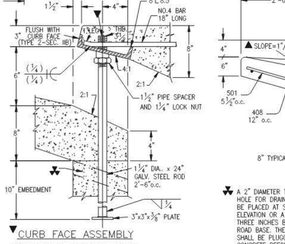


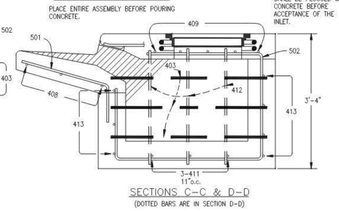
CHANNEL LAYOUT DETAILS

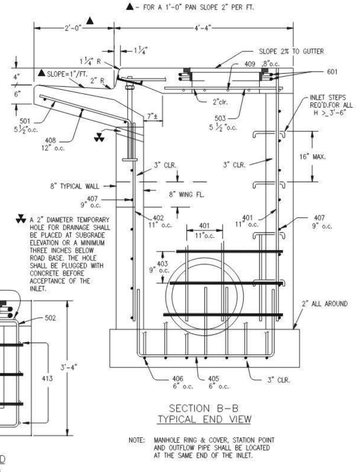












CDOT TYPE R INLET
STD. PLAN NO: M-604-12

PCD FILE # SF2522

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL P.E. #29794

10/03/2025
DATE

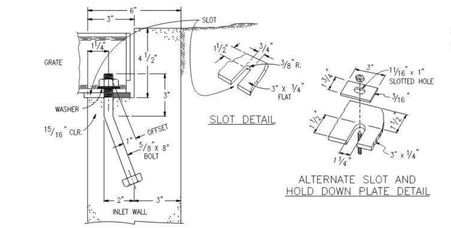
CLASSIC CONSULTING SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

RISING MOON FILING NO. 1
PCM POND 1
EDB - FULL SPECTRUM DETENTION
DETAILS SHEET

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE	DATE	10/03/25
DRAWN BY	KC	(H) 1"= N/A	SHEET	20 OF 21
CHECKED BY	KRC	(V) 1"= N/A	JOB NO.	2506.03

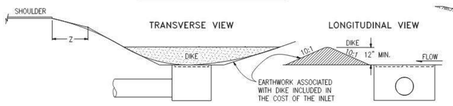
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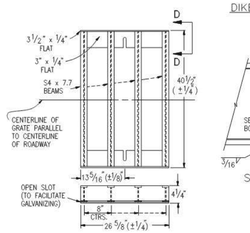
SLOT DETAIL

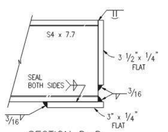
ALTERNATE SLOT AND HOLD DOWN PLATE DETAIL

GRATE INSTALLATION DETAIL



DIKE





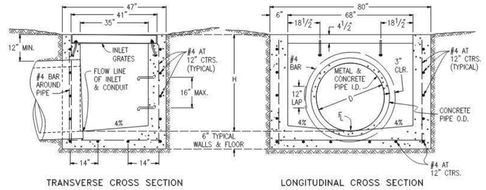
SECTION D–D

STANDARD INLET GRATE

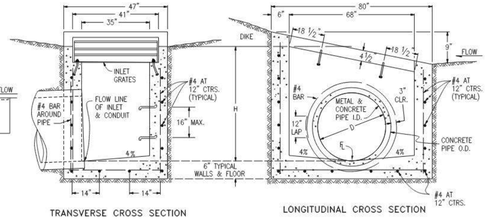
QUANTITIES: 2 STEEL GRATES PER INLET

NO. PIECES	DESCRIPTION	LENGTH	LB. PER FT.	WEIGHT (LBS.)
8	S4x7.7 BEAM	40"	7.70	206
4	3 ½"x ¼" FLAT	26 5/8"	2.98	26
4	3"x ¼" FLAT	26 5/8"	2.55	24

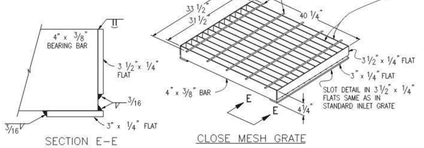
TOTAL 256 LBS.

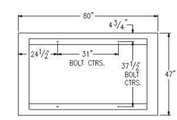


LEVEL GRATE INSTALLATION



SLOPING GRATE INSTALLATION





PLAN VIEW
SHOWING ANCHOR BOLT LAYOUT

OUTLET PIPE D	MIN. H
1.5	3.0
2.0	3.0
2.5	3.5
3.0	4.0
3.5	4.5
4.0	5.0

GENERAL NOTES

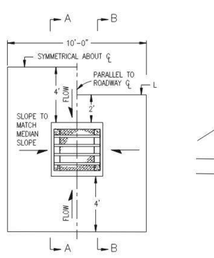
1. CONCRETE SHALL BE CLASS B INLET. MAY BE CAST–IN–PLACE OR PRECAST.
2. SEE PLANS FOR SIZE AND LOCATION OF CONDUIT.
3. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH 712.06.
4. STANDARD INLET GRATES SHALL BE USED ON ALL TYPE D INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
5. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3'–6" AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
6. REINFORCING BARS SHALL BE EPOXY COATED, AND DEFORMED, AND SHALL HAVE A 2" MINIMUM CLEARANCE.

QUANTITIES FOR ONE INLET ▽

H FT.	CONCRETE CU. YD.	STEEL LB.	PIPE RANGE, D IN. CSP	RCP
3.0	1.5	127	18	18
3.5	1.7	149	18–24	18–24
4.0	1.9	157	18–30	18–30
4.5	2.0	179	18–36	18–36
5.0	2.2	187	18–42	18–42
5.5	2.4	208	18– ↑	18– ↑
6.0	2.6	215	18–	18–
6.5	2.8	236	18–	18–
7.0	2.9	243	18–	18–
7.5	3.1	264	18–	18–
8.0	3.3	271	18–	18–
8.5	3.5	292	18–	18–
9.0	3.6	299	18–	18–
9.5	3.8	320	18– ↓	18– ↓
10.0	4.0	327	18–42	18–42

▽ CONCRETE AND STEEL QUANTITIES ARE FOR ONE ENTIRE INLET BEFORE DEDUCTION FOR VOLUME OCCUPIED BY PIPE. WEIGHT OF STEEL INCLUDES A RING FOR THE MAXIMUM PIPE DIAMETER.

CDOT TYPE D INLET
STD. PLAN NO: M–604–11

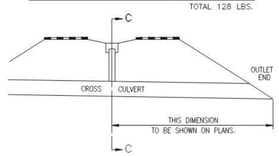


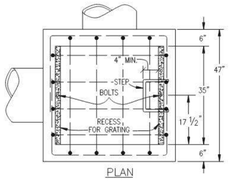
INLET WITH DITCH PAVING

STEEL GRATE QUANTITIES

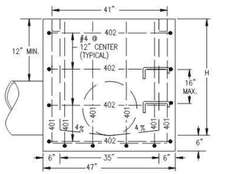
NO. PIECES	DESCRIPTION	LENGTH	LB. PER FT.	WEIGHT (LBS.)
4	S4 x 7.7 BEAM	40"	7.70	103
2	3½" x ¼" FLAT	26⅝"	2.98	13
2	3" x ¼" FLAT	26⅝"	2.55	12

TOTAL 128 LBS.

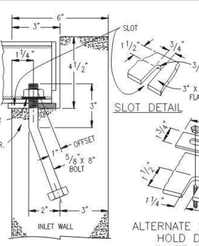




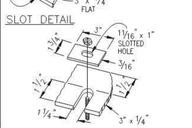
PLAN



ELEVATION
CONCRETE INLET



GRATE INSTALLATION DETAIL



SLOT DETAIL

ALTERNATE SLOT AND HOLD DOWN PLATE DETAIL

GENERAL NOTES

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST–IN–PLACE OR PRECAST.
2. REINFORCING BARS SHALL BE EPOXY COATED AND DEFORMED, AND SHALL HAVE A MINIMUM 2 IN. CLEARANCE.
3. CONCRETE SLOPE AND DITCH PAVING SHALL CONFORM TO SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 – W1.4 X W1.4 OR 6 X 6 – W2.1 X W2.1.
4. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH 712.06.
5. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
6. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3 FT.–6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
7. SEE SHEET M–604–11, INLET, TYPE D, FOR REINFORCEMENT AROUND THE PIPE OPENING.

▼ – CONCRETE SLOPE AND DITCH PAVING WILL BE REQUIRED WHEN SHOWN ON PLANS.

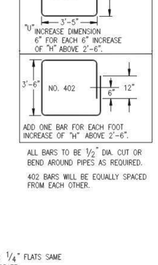
QUANTITIES FOR ONE INLET

H	CONCRETE ✱ (CU. YDS.)	REINF. STEEL (LBS.)	NO. STEPS REQ'D.
2'–6"	0.9	75	0
3'–0"	1.0	80	0
3'–6"	1.2	96	0
4'–0"	1.3	101	1
4'–6"	1.4	116	2
5'–0"	1.5	122	2
5'–6"	1.7	137	2
6'–0"	1.8	142	3
6'–6"	1.9	158	3
7'–0"	2.0	163	3
7'–6"	2.2	179	4
8'–0"	2.3	184	4
8'–6"	2.4	199	4
9'–0"	2.5	205	5
9'–6"	2.7	220	5
10'–0"	3.0	235	6
11'–6"	3.4	251	6

✱ INCLUDES VOLUME OCCUPIED BY PIPES.

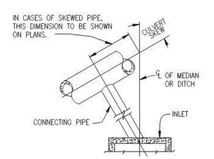
BAR LIST FOR H=2'–6" AND BENDING DIAGRAM

MARK	NO. REQ'D.	HGT.	LENGTH
401	2	2'–3"	7'–11"
401	6	2'–2"	8'–7"
402	3	"U"	15'–0"

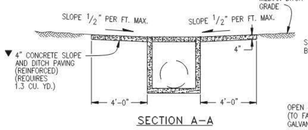


ALL BARS TO BE ½" DIA. CUT OR BEND AROUND PIPES AS REQUIRED.

402 BARS WILL BE EQUALLY SPACED FROM EACH OTHER.

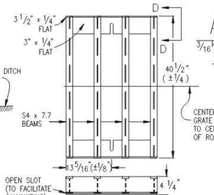


INLET CONNECTED TO A SKEWED CROSS CULVERT

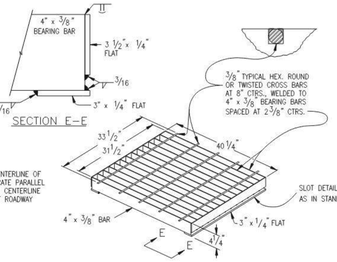


SECTION A–A

INLET AT BOTTOM OF VERTICAL CURVE



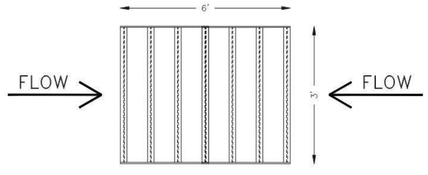
STANDARD INLET GRATE



CLOSE MESH GRATE

HYDRAULICALLY INEFFICIENT, POOR TOLERANCE FOR DEBRIS AND ICE. USE FOR PEDESTRIAN AND BICYCLE AREAS.

CDOT TYPE C INLET
STD. PLAN NO: M–604–10



IN–SERIES GRATE ORIENTATION
N.T.S.

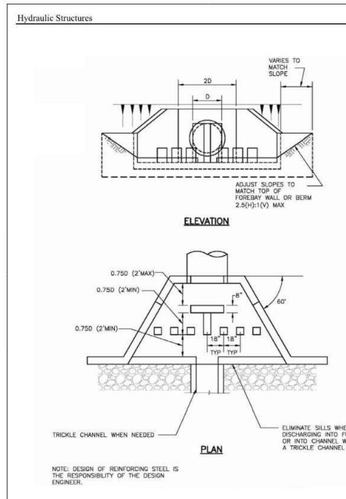


Figure 9-43. Modified impact stilling basin for conduits 18" to 48" in diameter (Part 1 of 2)

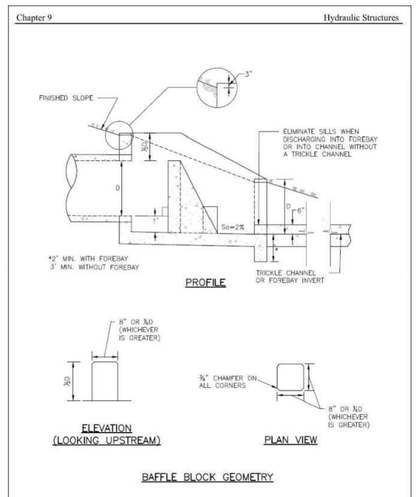


Figure 9-44. Modified impact stilling basin for conduits 18" to 48" in diameter (Part 2 of 2)

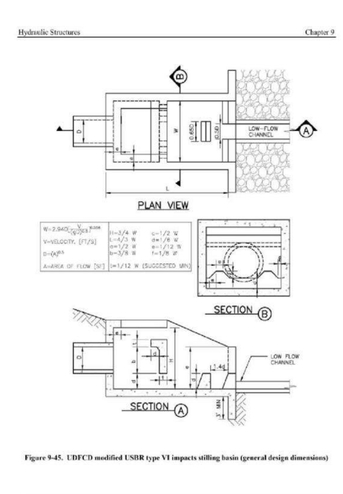


Figure 9-45. UDFCD modified USBR type VI impacts stilling basin (general design dimensions)

AS-BUILT

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

09/28/2026

PCD FILE # SF2522

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
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UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

COLORADO LICENSED KYLE RAYE CAMPBELL 29794 PROFESSIONAL ENGINEER

KYLE R. CAMPBELL, P.E. #29794 — 10/03/2025 DATE

CLASSIC CONSULTING SM

619 N. Cascade Avenue, Suite 200 (719)785–0790
Colorado Springs, Colorado 80903 (719)785–0799(Fax)

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DETAILS SHEET

CLASSIC CONSULTING

DESIGNED BY	KC	SCALE		DATE	10/03/25
DRAWN BY	KC	(H) 1"= N/A		SHEET	21 OF 21
CHECKED BY	KRC	(V) 1"= N/A		JOB NO.	2506.03

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