HAVEN VALLEY

EL PASO COUNTY, COLORADO

GRADING AND EROSION CONTROL DOCUMENTS

VICINITY MAP

NOT TO SCALE

AGENCY CONTACTS

Earthwork

less than 1,000; \$5,300 min

1,000-5,000; \$8,000 min

5,001-20,000; \$30,000 min

Permanent Erosion Control Blanket

Concrete Washout Basin

Straw Wattle/Rock Sock

Vehicle Tracking Control

Temporary Erosion Control Blanket

[insert items not listed but part of construction plans]

' - Subject to defect w arranty financial assurance. A minimum of 20%

shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE

Temporary Seeding and Mulching

Surface Roughening

Inlet Protection

Safety Fence

Sediment Basin

Sediment Trap

Silt Fence

Slope Drain

Straw Bale

ALLOWED)

Rock Check Dam

20,001-50,000; \$100,000 min

50,001-200,000; \$175,000 min

greater than 200,000; \$500,000 min

Permanent Seeding (inc. noxious weed mgmnt.) & Mulchir

Permanent Pond/BMP (provide engineer's estimate)

ENGINEERING EL PASO COUNTY PLANNING & COMMUNITY DEVELOPMENT JOSHUA PALMER, COUNTY ENGINEER

3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 (719) 520-6460

<u>PLANNING</u> EL PASO COUNTY PLANNING & COMMUNITY DEVELOPMENT KARI PARSONS, PROJECT MANAGER/PLANNER II

> 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 (719) 520-6300

SECURITY FIRE PROTECTION DISTRICT DAVID GIRARDIN, FIRE CHIEF 400 SECURITY BLVD

> COLORADO SPRINGS, CO 80911 (719) 392-7121

<u>WATER</u> SECURITY WATER & SANITATION DISTRICT ROY HEALD, DISTRICT MANAGER 231 SECURITY BLVD

COLORADO SPRINGS, CO 80911 (719) 392-3475 WASTEWATER SECURITY WATER & SANITATION DISTRICT C.S.U. ELECTRIC DEPT. SYSTEM PLANNING MARY HOADLAND

1521 HANCOCK EXPY. COLORADO SPRINGS, CO 80903 (719) 668-5557

COLORADO SPRINGS UTILITIES TODD STURTEVANT 1521 HANCOCK EXPRESSWAY COLORADO SPRINGS, CO 80947 (719) 668-3556

PATTY MOORE

(719) 636-6096 (LOCATORS) (719) 597-8418

(LOCATORS) (719) 635-3674

437,500.00

15,824.00

19,687.50

1,089.00

1,818.00

12,705.00

2,132.00

1,845.00

252.00

| \$ 703,286.15

200,000.00

COMCAST RICKEY NELSON 213 N. UNION BLVD COLORADO SPRINGS, CO 80909

RICKEY_NELSON@CABLE.COMCAST.COM

% Complete

Remaining

437,500.00

15,824.00

19,687.50

200,000.00

1,089.00

1,818.00

12,705.00

2,132.00

1,845.00

2,867.00

7,566.65

\$ 703,286.15

ROY HEALD, DISTRICT MANAGER 231 SECURITY BLVD COLORADO SPRINGS, CO 8091 (719) 392-3475

ESTIMATED COST OF TEMPORARY + PERMANENT BMPs INCLUDING INSTALLATION

Quantity Units Cost

CY

CY

CY

AC

EΑ

EΑ

EΑ

EΑ

EΑ

EΑ

MAINTENANCE (35% of Construction BMPs)

CY | \$

8.00 | = | \$

5.00 | = | \$

= | \$

= | \$

= | 9

6.00

3.50

2.50

2.00

8.00

\$ 1,875.00

######

\$ 1,089.00

605.00

500.00

3.00

3.00

40.00

31.00

7.00

3.00

\$ 1,666.00

\$ 2,867.00

Section 1 Subtotal

\$ 202.00

\$ 2,132.00

AND MAINTENANCE UNTIL FINAL STABILIZATION (FINAL + INTERIM STAGE)

175,000

1,978.0

SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)

STRUCTURAL FILL DURING EARTHWORK BALANCING ACROSS THE SITE, AREAS TO RECEIVE STRUCTURAL FILL SHOULD HAVE TOPSOIL, ORGANIC MATERIAL, OR DEBRIS REMOVED. LOOSE, WET SOILS, ESPECIALLY THOSE FROM NOTED DRAINAGE AREAS, SHOULD BE EXCAVATED TO DRY SOLID MATERIAL, STOCKPILED AND EVALUATED FOR SUITABILITY OF RE-USE AS STRUCTURAL FILL. IF SOIL IS FOUND TO BE UNSUITABLE AS STRUCTURAL FILL, IT MAY STILL BE SUITABLE AS BACKFILL IN NON-STRUCTURAL APPLICATIONS.

STRUCTURAL FILL COMPOSED OF ON-SITE SOILS SHOULD CONSIST OF GRANULAR, NIL TO LOW-EXPANSIVE MATERIAL. IF CLAYSTONE IS ELECTED TO BE RE-USED IT SHOULD BE THOROUGHLY PROCESSED, MOISTURE CONDITIONED AND BLENDED WITH SAND SOIL. FILL SHOULD BE SPREAD ACROSS THE SITE AND PLACED IN EVEN LOOSE LIFTS NOT EXCEEDING 10-INCHES, MOISTURE CONDITIONED TO FACILITATE COMPACTION (USUALLY WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT), AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROTOR TEST, ASTM D-698. THE MATERIALS SHOULD BE SPREAD AND COMPACTED BY MECHANICAL MEANS.

STRUCTURAL FILL PLACED ON SLOPES SHOULD BE BENCHED INTO THE SLOPE. MAXIMUM BENCH HEIGHTS SHOULD NOT EXCEED 4 FEET, AND BENCH WIDTHS SHOULD BE WIDE ENOUGH TO ACCOMMODATE COMPACTION EQUIPMENT. MATERIALS USED FOR STRUCTURAL FILL SHOULD BE APPROVED BY RMG PRIOR TO USE. STRUCTURAL FILL SHOULD NOT BE PLACED ON FROZEN SUBGRADE OR ALLOWED TO FREEZE DURING MOISTURE CONDITIONING AND PLACEMENT.

BENCHMARK

CHISELED "X" IN WING WALL ELEVATION 5859.54 (FIMS DATUM), NORTH EAST CORNER OF FMIC SUPERDITCH AND ALTURAS

LEGAL DESCRIPTION
THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 12, TOWNSHIP 15 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO.

FLOODPLAIN STATEMENT

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) PANEL #08041C0763G (DECEMBER 7, 2018) THE PROJECT SITE IS NOT WITHIN A DESIGNATED 100-YR FLOODPLAIN.

ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING: FALL/WINTER 2023-SPRING/SUMMER 2024

11.44ac on page 2 of

ESQCP. Revise to

remove discrepancy.

TOTAL AREA OF THE SITE TO BE CLEARED, EXCAVATED OR GRADED: APPROXIMATELY 13.6 ACRES

RECEIVING WATERS

HYDROLOGIC TYPE A: BLAKELAND LOAMY SAND

VEGETATION

EXISTING SITE IS UNDEVELOPED AND COVERED WITH NATIVE GRASSES

COVER SHEET **ECNT** NOTES INITIAL GRADING AND EROSION CONTROL PLAN

POND OUTLET STRUCTURE DEETAILS

INTERIM GEC PLAN EC03 FINAL/VERTICAL GEC PLAN EROSION CONTROL DETAILS EROSION CONTROL DETAILS DETENTION POND DETAILS CONCRETE FOREBAY DETAILS

SHEET INDEX

DESIGN ENGINEER'S STATEMENT

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS. ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

To a Maulle TIM D. MCCONNELL DATE P.E.# 33797

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN

JEFF MARK DATE OWNER

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.

"JENNIFER IRVINE, P.E. COUNTY ENGINEER

Revise to: Joshua Palmer, P.E. PREPARED BY:

Engineers • Surveyors 3 SOUTH 7TH STREET COLORADO SPGS, COLORADO 809 CONTACT: TIM D. McCONNELL, P. (719)260-0887

CLIENT:

30ULDER • COLORADO SPRINGS • GREELE

MIDCO INVESTMENTS, LLO

P.O. BOX 60069 COLORADO SPRINGS, CO 80960 CONTACT: ROBERT C. IRWIN (719) 475-7474

DATE INITIAL ISSUE LATEST ISSUE 7/27/23 DESIGNED BY: DRAWN BY:

FILE NAME: | 21085-03ECCV

CHECKED BY:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE: HORIZONTAL: N/A VERTICAL: N/A

EROSION CONTROL COVER SHEET

PROJECT NO. 21085-03CSCV DRAWING NO.

SHEET: 38 OF 47

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

- 1. 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.
- 2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- 3. A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON—SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- 4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPS AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- 5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- 6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- 7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- 8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE—DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- 9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- 10. 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 WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- 11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- 12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF—SITE.
- 13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS 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.
- 14. DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON—SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- 15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- 17. WASTE 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. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- 18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF—SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF—SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 19. THE OWNER/DEVELOPER 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.
- 20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON—SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.

- 21. 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.
- 22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT 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.
- 23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- 24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). 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.
- 25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

 26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- 27. A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- 28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY GROUND ENGINEERING, DATED AUGUST 25, 2015, WITH ADDENDA 1, DATED MARCH 17, 2017 AND SHALL BE CONSIDERED A PART OF THESE PLANS. ANOTHER SOILS REPORT WAS COMPLETED BY ROCKY MOUNTAIN GROUP, DATED SEPTEMBER 26, 2022.
- 29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1)ACRE OR MORE, THE OWNER OR OPERATOR OF 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

PREPARED BY:



Engineers • Surveyors
3 SOUTH 7TH STREET
COLORADO SPGS, COLORADO 80900
CONTACT: TIM D. McCONNELL, P.E

BOULDER • CÒLORADO SPRINGS • GREELEY

CLIENT:

(719)260-0887

MIDCO INVESTMENTS, LLC

P.O. BOX 60069 COLORADO SPRINGS, CO 80960 CONTACT: ROBERT C. IRWIN

(719) 475–7474

/EN VALLEY
BRADLEY RD/ALTURAS DR.
EL PASO COUNTY, COLORADO

ISSUE DATE

INITIAL ISSUE 3/15/22

LATEST ISSUE 7/27/23

DESIGNED BY: SBN

DRAWN BY: SBN

CHECKED BY: TDM

FILE NAME: 21085-03ECCV

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

<u>DRAWING SCALE</u>: HORIZONTAL: N/A VERTICAL: N/A

EROSION CONTROL NOTES

PROJECT NO. 21085-03CSCV DRAWING NO.

ECN7

SHEET: 39 OF 47

PREPARED BY: GEC Checklist Item O. Public Offsite Grading: Label as offsite grading, DREXEL, BARRELL & CO. Engineers • Surveyors 3 SOUTH 7TH STREET COLORADO SPGS, COLORADO 8090 CONTACT: TIM D. McCONNELL, P.E (719)260-0887 BOULDER • COLORADO SPRINGS • GREELEY CLIENT: **8888** MIDCO INVESTMENTS, LLC P.O. BOX 60069 COLORADO SPRINGS, CO 80960 CONTACT: ROBERT C. IRWIN SCALE: 1"=50' Show proposed diversion ditches/swales to convey runoff to TSB in initial condition. (719) 475-7474 Ш including riser pipe diameter and perforation sizing, number of rows of holes, required volume, location of outlet pipe and spillway, And provide contours for sediment basin (if different from the EDB contours). `.96 ISSUE DATE INITIAL ISSUE 3/15/22 LATEST ISSUE 7/27/23 PROPOSED PRIVATE EXTENDED DETENTION BASIN 1111111 7//// DESIGNED BY: DRAWN BY: CHECKED BY: **FILE NAME:** 21085-03EC01 **LEGEND** MATCHLINE-THIS SHEET PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO. ROCK SOCKS..... EROSION CONTROL BLANKET PROPOSED INDEX CONTOUR..........5520 DRAWING SCALE: CONCRETE WASHOUT AREA HORIZONTAL: 1'' = 50'1. REFER TO LANDSCAPING PLANS FOR ONSITE VEGETATION EX. INTERMEDIATE CONTOUR...........5364 VERTICAL: N/A 2. REFER TO SWMP FOR NON-STRUCTURAL CONTROL MEASURES. INITIAL GRADING 3. ALL DISTURBED AREAS SHALL BE SEEDED WITHIN 30 DAYS OF DISTURBANCE. VEHICLE TRACKING CONTROL AND EROSION GEC Checklist Item "e" -Show property lines on plans and CONTROL PLAN TEMPORARY SEDIMENT BASIN PROJECT NO. 21085-03CSCV Know what's below. DRAWING NO. Call before you dig. GEC Checklist Items H and M. PROPOSED MANHOLE...... CHECK DAM. (CD) If "limits of disturbance" and CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

STOCKPILE PROTECTION (SP)

SHEET: 40 OF 47

Assign a name/number to the pond and then update all submitted text and drawings accordingly with consistent labeling throughout (example: "Pond A" or "Pond 1").

"construction boundary" are the

same, change to "limits of

construction/disturbance" or

otherwise show as separate line types for each on the

legend and figure.

INLET PROTECTION (IP)

PREPARED BY: DREXEL, BARRELL & CO IRAGT A - - / \
ELK GROVE VILLA TOWNHOMES
FIL. NO. 1 Engineers • Surveyors 3 SOUTH 7TH STREET COLORADO SPGS, COLORADO 8090 CONTACT: TIM D. McCONNELL, P.E (719)260-0887 BOULDER • COLORADO SPRINGS • GREELEY PROP. PRIVATE

DOUBLE TYPE D

INLET CLIENT: MIDCO INVESTMENTS, LLC P.O. BOX 60069 COLORADO SPRINGS, CO 80960 CONTACT: ROBERT C. IRWIN SCALE: 1"=50' (719) 475-7474 √38 **R8**1 PRØP. PRIVATE 36" RCP-PROP. 36" RCP OR ELLIPTICAL EQUIVALENT— MANHOLE -PROP. 36" RCP OR ELLIPTICAL EQUIVALENT ISSUE DATE INITIAL ISSUE INLET w/ CLOSE MESH LATEST ISSUE 7/27/23 7////// PROPOSED PRIVATE DETENTION BĂŞİN 1111111 PROP. PRIVATE MODIFIED
TYPE C OUTLET STRUCTURE 7///// [™]w/ MICROPOOL DESIGNED BY: DRAWN BY: CHECKED BY: TDM 111111 **FILE NAME:** 21085-03EC02 PROP. PRÍVATE 24" RCP TYPE R MATCHLINE-THIS SHEET <u>LEGEND</u> PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO. EROSION CONTROL BLANKET PROPOSED INDEX CONTOUR..........5520 DRAWING SCALE: CONCRETE WASHOUT AREA HORIZONTAL: 1'' = 50'1. REFER TO LANDSCAPING PLANS FOR ONSITE VEGETATION SEEDING/MULCHING. (SM) EX. INTERMEDIATE CONTOUR...........5364 VERTICAL: N/A 2. REFER TO SWMP FOR NON-STRUCTURAL CONTROL MEASURES. VEHICLE TRACKING CONTROL INTERIM 3. ALL DISTURBED AREAS SHALL BE SEEDED WITHIN 30 DAYS OF DISTURBANCE. GEC PLAN Add a general note: all areas to be vegetated with permanent OUTFALL seeding should also be temporary stabilized via track rolling or some _TO CURB other means. & GUTTER TEMPORARY SEDIMENT BASIN PROJECT NO. 21085-03CSCV Know what's below. DRAWING NO.

PROPOSED MANHOLE......

INLET PROTECTION (IP)

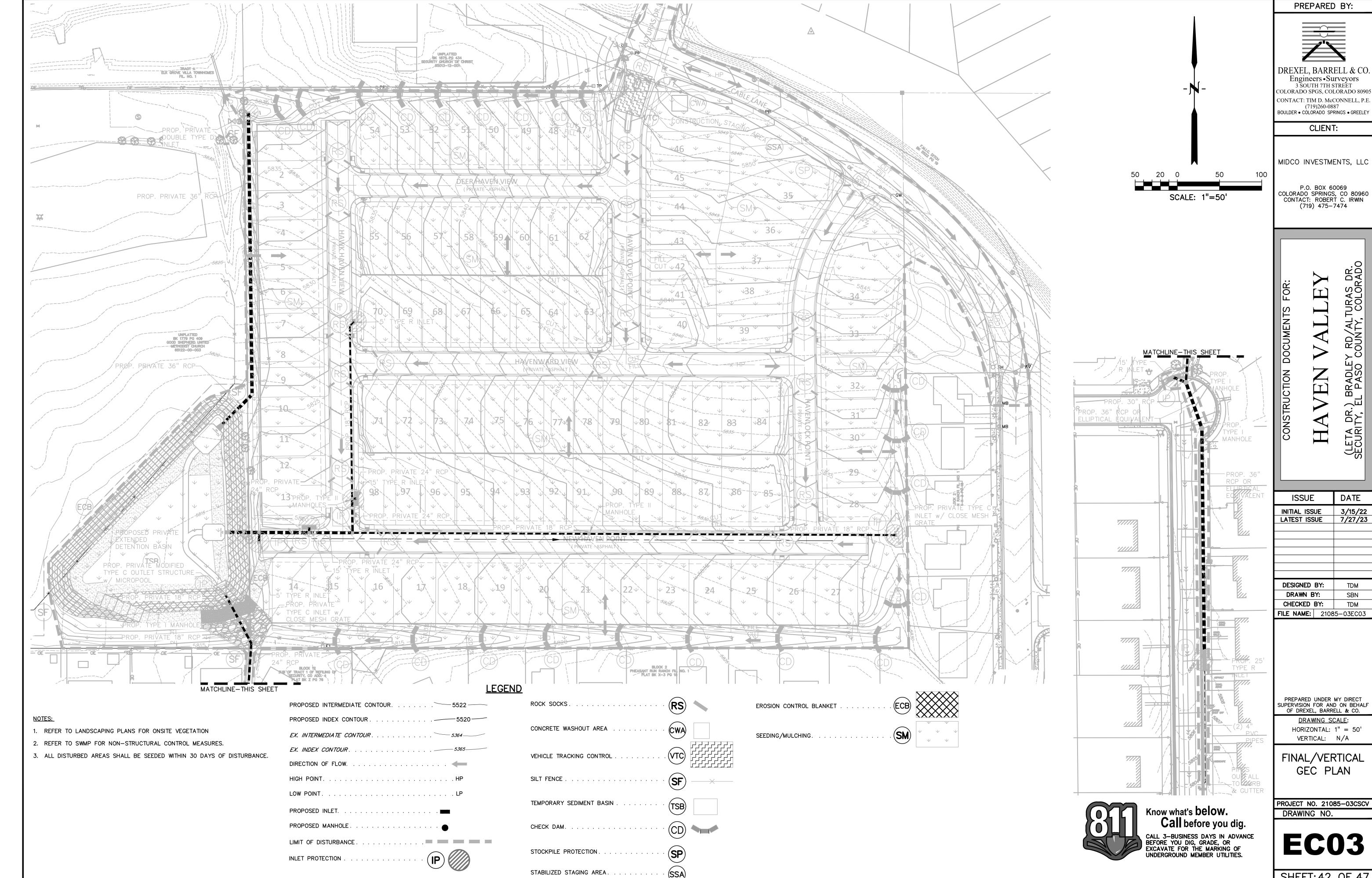
Call before you dig.

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

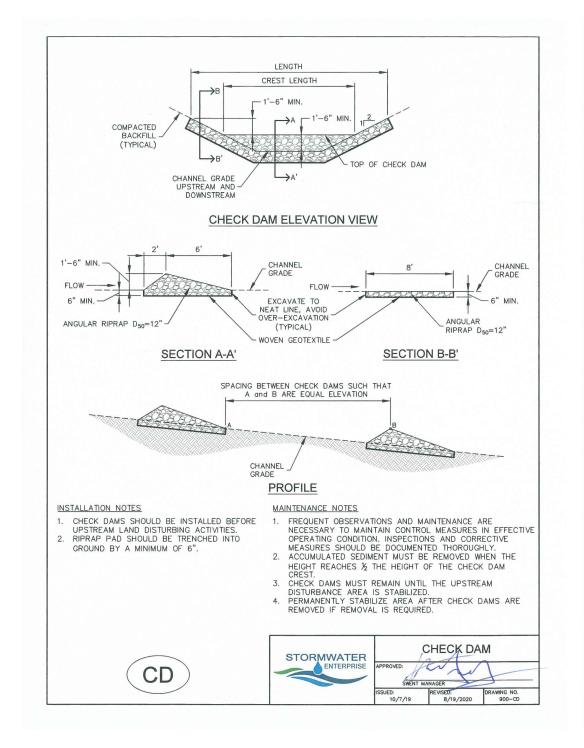
SHEET: 41 OF 47

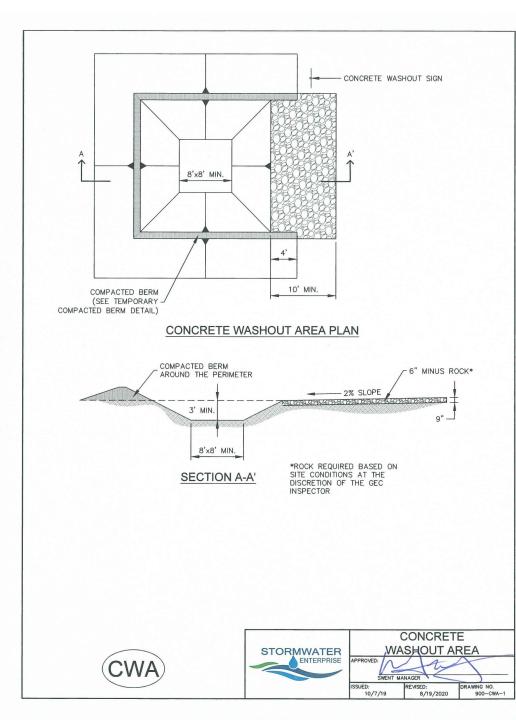
Assign a name/number to the pond and then update all submitted text and drawings accordingly with consistent labeling throughout (example: "Pond A" or "Pond 1").

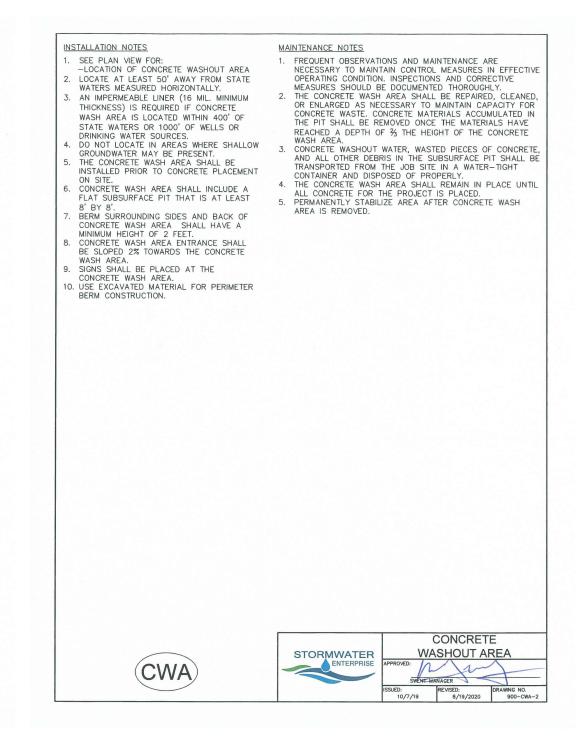
H:\21085-03CSCV\Plans\Sheets\@\21085-03EC02.dwg, 7/27/2023 9:45:03 AM

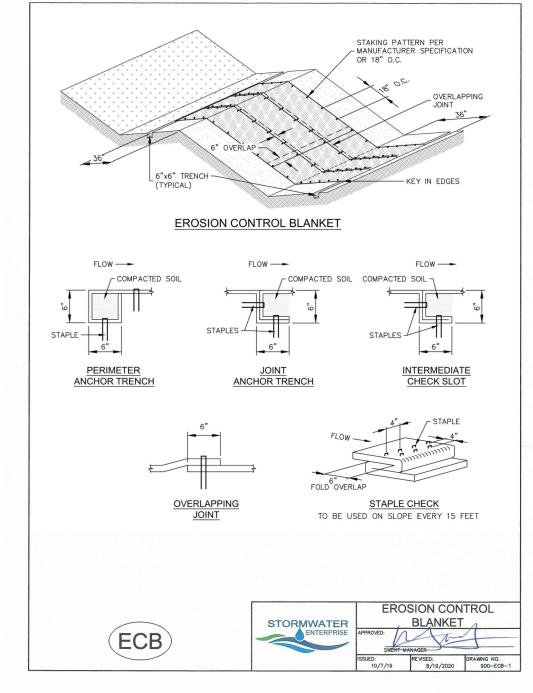


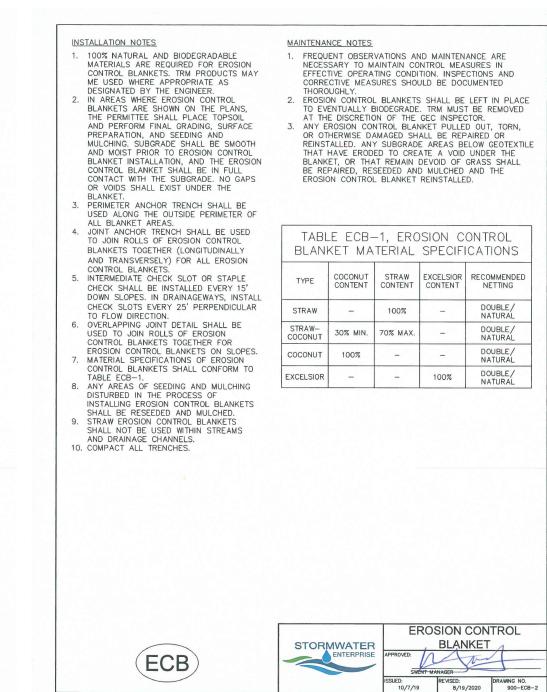
SHEET: 42 OF 47

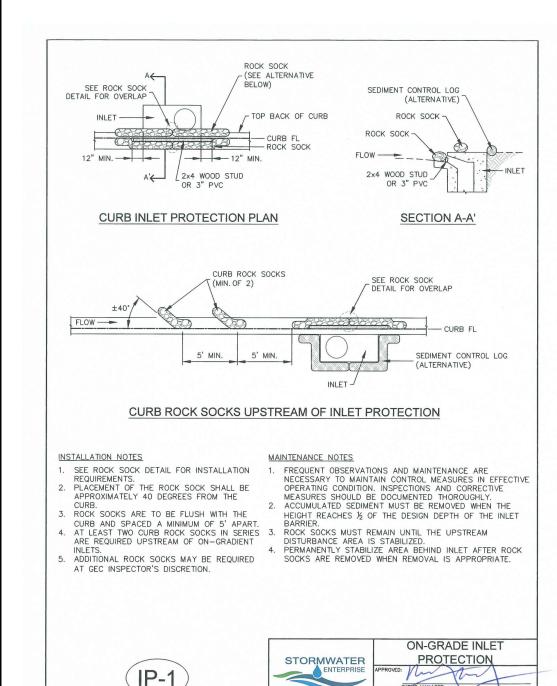


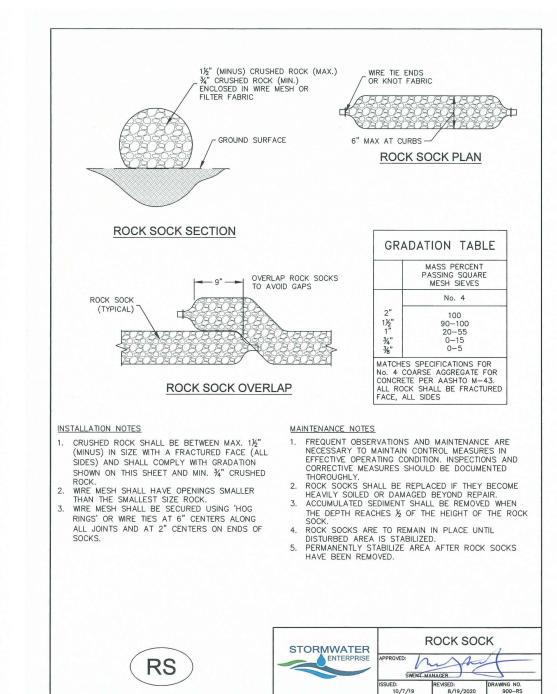














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HAVEN VALLEY

(LETA DR.) BRADLEY RD/ALTURAS DR
SECURITY, EL PASO COUNTY, COLORAD

ISSUE DATE

INITIAL ISSUE 3/15/22
LATEST ISSUE 7/27/23

DESIGNED BY: SBN
DRAWN BY: SBN
CHECKED BY: TDM

FILE NAME: 21085-03ECDT

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:

HORIZONTAL: N/A

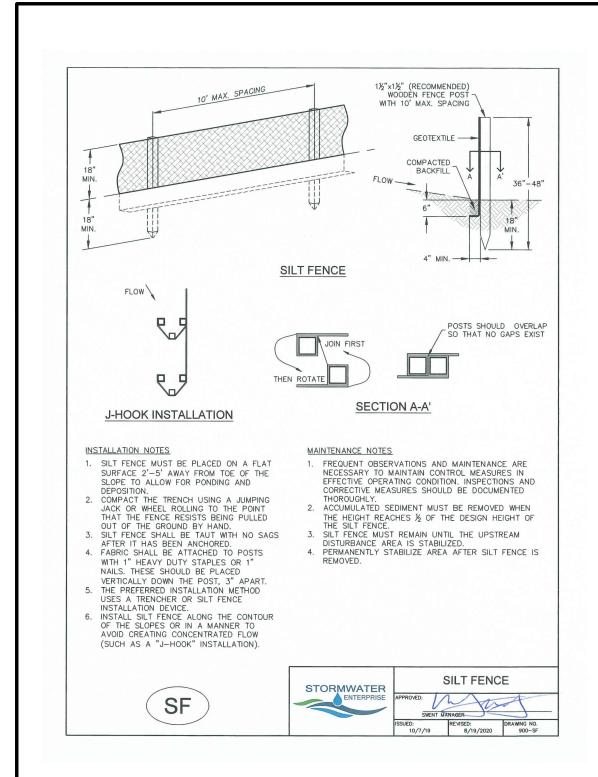
VERTICAL: N/A

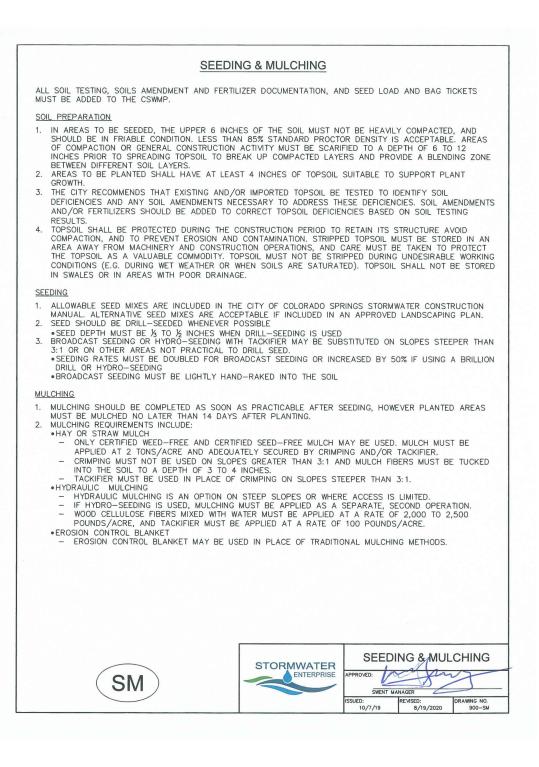
EROSION CONTROL DETAILS

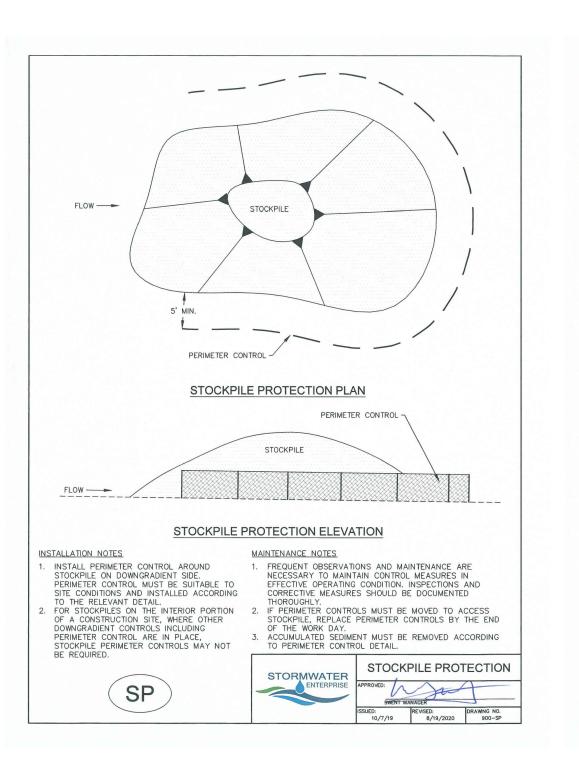
PROJECT NO. 21085-03CSCV DRAWING NO.

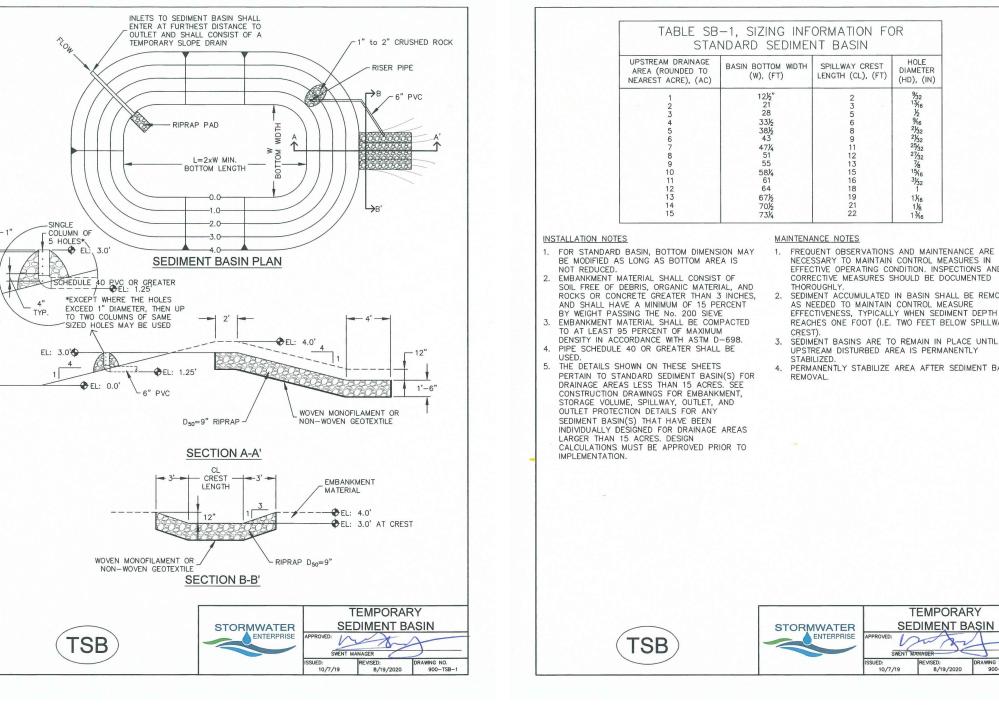
ECDT

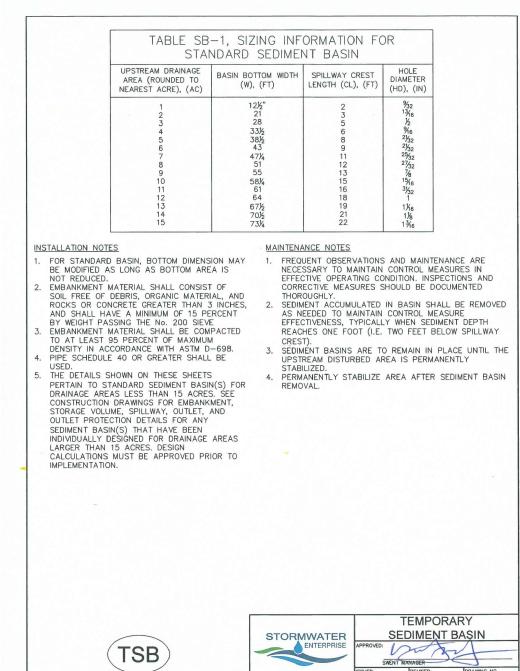
SHEET: 43 OF 47



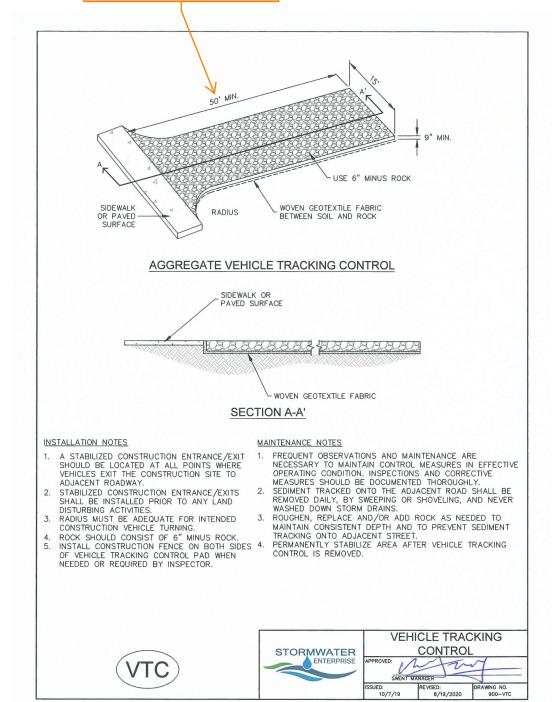








Replace with EPC approved VTC detail (VT-1 and VT-2 in DCMv2, Chap 3.3) or revise to be 75ft min length.







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BR/

(LE) SECU

DATE ISSUE INITIAL ISSUE 3/15/22 LATEST ISSUE 7/27/23 DESIGNED BY: DRAWN BY: SBN CHECKED BY: TDM

FILE NAME: 21085-03ECDT

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE: HORIZONTAL: N/A VERTICAL: N/A

> **EROSION** CONTROL **DETAILS**

PROJECT NO. 21085-03CSCV DRAWING NO.

ECDT

SHEET: 44 OF 47