EPC STORMWATER REVIEW COMMENTS IN ORANGE BOXES WITH BLACK TEXT

GRADING & EROSION CONTROL PLANS
TRIVIEW METROPOLITAN DISTRICT NORTHERN DELIVERY SYSTEM BOOSTER PUMP STATION

EL PASO COUNTY

APRIL 2023

SIGNATURE BLOCKS

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 ON MY PART IN PREPARING THIS PLAN.

MARIO L. DIPASQUALE, P.E. #41667 DATE: 224.29 PROJECT NO.

OWNER/DEVELOPER'S STATEMENT:

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

JIM MCGRADY, CONTACT DATE:
TRIVIEW METROPOLITAN DISTRICT
16055 OLD FOREST POINT, STE 302
MONUMENT, CO 80132

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 EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E. DATE:

SURVEY DATA

TOPOGRAPHY SURVEY CENTENNIAL LAND SURVEYING, LLC. SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

HORIZONTAL DATUM: HORIZONTAL COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL BASED UPON THE FOLLOWING: COORDINATES ARE SCALED FROM CONTROL POINT 5052 BEING A 2-INCH ALUMINUM CAP STAMPED AZTEC CP 52 SET AT THE TOP OF A DIRT BANK ALONG THE EAST SIDE OF GLEN EAGLE DR. APPROXIMATELY 380+- FEET NORTHERLY OF ST. LAWRENCE WAY. VALUES ARE BASED UPON A STATIC SURVEY SESSION WITH THE FOLLOWING RESULTS:

LATITUDE: 39-04-05916N; LONGITUDE: 104-49-24.82486 W
STATE PLANE NORTHING: 1,450,401.759; STATE PLANE EASTING: 3,192,049.712
SCALE FACTOR: 1.000406325O
TRUNCATE NORTHING: 1,000,000.00; TRUNCATE EASTING: 3,000,000.00
PROJECT NORTHING: 450,401.759; PROJECT EASTING: 192,049.712

VERTICAL DATUM: NAVD 88 WITH GEOID G18US; BENCHMARK: CP 5052 EL: 7213.70
BENCHMARK: NGS CS110/DM9842 EL: 6843.25; BENCHMARK: NGS S294/KK0272 EL: 7116.72

VICINITY MAP
N.T.S

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL GRADING NOTES
3	OVERALL SITE PLAN
4	SECONDARY GATE ACCESS DRIVE GRADING PLAN
5	PUMP STATION GRADING PLAN
6	PUMP STATION ACCESS DRIVE GRADING PLAN & PROFILE
7	GRADING DETAILS 1 of 2
8	GRADING DETAILS 2 OF 2

FLOODPLAIN STATEMENT

THIS ENTIRE PROPERTY IS NOT LOCATED WITHIN THE FLOODPLAIN OR FLOODWAY PER FIRM PANEL: 08041C0295G – EFFECTIVE ON, 12-07-2018

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY THE CITY OF FOUNTAIN DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

PARTICIPANTS

OWNER
TRIVIEW METROPOLITAN DISTRICT
16055 OLD FOREST POINT, STE 302
MONUMENT, CO 80132
CONTACT: JIM MCGRADY
PHONE: (719) 488-6868

CONSULTING/DESIGN ENGINEER
JDS-HYDRO CONSULTANTS. A DIVISION OF RESPEC
5540 TECH CENTER DR, STE 100
COLORADO SPRINGS, CO 80903
CONTACT: MARIO DIPASQUALE, PE
(719) 227-0072

Triview Metropolitan District

PRE-EXCAVATION CHECKLIST

- Gas and Other Utility Lines Shown on Construction Plans
- Utility Notification Center of Colorado (UNCC)-Call at Least Two (2) Business Days Ahead-1-800-922-1987
- Utilities Located & Marked on the Ground
- Employees Briefed on Marking and Color Codes*
- Employees Trained on Excavation and Safety Procedures for Natural Gas Lines
- When Excavation Approaches Gas Lines, Employees Must Expose Lines by Careful Probing and Hand-Digging

COLOR CODE
FOR MARKING
UNDERGROUND UTILITY LINES

WHITE	PROPOSED EXCAVATION
MAGENTA	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC
YELLOW	GAS, OIL, STEAM
ORANGE	COMMUNICATION, CATV
BLUE	POTABLE WATER
PURPLE	IRRIGATION, RECLAIMED WATER, SLURRY LINES
GREEN	SEWER

COLORADO 811
Always Call Before You Dig 811 or (800) 922-1987

Rev #	Date	Description	By	Chk'd

RESPEC
121 SOUTH TEJON ST, SUITE 1110
COLORADO SPRINGS, CO. 80903
WWW.RESPEC.COM (719) 266-5212

Designed By:	Drawn By:	Checked By:	Project No.	Date:	Sheet
DW	DW	RGG	224.29	2023-04-27	1 OF 8

$$H_a = \frac{(H + Y_n)}{2}$$ Equation 9-19

Where the maximum value of H_a shall not exceed H, and:

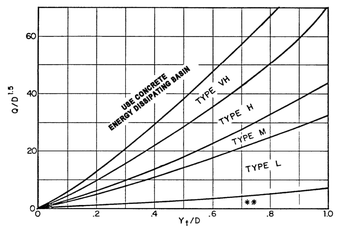
D_o = parameter to use in place of D in Figure 9-38 when flow is supercritical (ft)

D_c = diameter of circular culvert (ft)

H_a = parameter to use in place of H in Figure 9-39 when flow is supercritical (ft)

H = height of rectangular culvert (ft)

Y_n = normal depth of supercritical flow in the culvert (ft)



Use D_o instead of D whenever flow is supercritical in the barrel.
** Use Type L for a distance of 3D downstream.

Figure 9-38. Riprap erosion protection at circular conduit outlet (valid for Q/D2.5 ≤ 6.0)

NOT TO SCALE

TIMING, CONSTRUCTION STAGING, AND SEQUENCING:

EXPECTED START DATE: JAN 2023
INSTALL TEMPORARY EROSION CONTROL – 2 DAYS
– PERIMETER SILT FENCING
– VEHICLE TRACKING CONTROL PAD

ROUGH GRADING – 5 DAYS
INSTALL FINAL SITE IMPROVEMENTS – 10 MONTHS
REMOVE TEMPORARY EROSION CONTROL – 5 DAYS

MINIMUM BEST MANAGEMENT PRACTICES ELEMENTS:

STEP 1– EROSION AND SEDIMENT CONTROL
INSTALL SEDIMENT TRAPPING DEVICES (PERIMETER CONTROLS) PRIOR TO THE START OF CONSTRUCTION.
STEP 2– SPILL PREVENTION AND RESPONSE
STEP 3– MATERIAL MANAGEMENT
MATERIAL AND EQUIPMENT STORAGE AREAS SHALL BE SECURE AND CONTAINED TO PREVENT DISCHARGE OF ANY MATERIAL IN RUNOFF. WASTE SHALL BE CONTAINED AND DISPOSED OF PROPERLY. MAINTAIN BMP'S DURING BUILDING AND UTILITY CONSTRUCTION.
STEP 4– INSPECTION AND MAINTENANCE (SEE EROSION CONTROL NOTES).
STEP 5– INSTALL FINAL STABILIZATION – BASE COURSE, LANDSCAPING, EROSION CONTROL BLANKETS, AND SEEDING.
STEP 6– REMOVE TEMPORARY CONTROLS – SILT FENCING AFTER PERMANENT FEATURES ARE INSTALLED.

FINAL STABILIZATION AND LONG–TERM STORMWATER MANAGEMENT:

FINAL STABILIZATION MEASURES INCLUDE BASE COURSE, PARTIAL LANDSCAPE, AND REVEGETATION

EARTHWORK SUMMARY:

PROPOSED SITE:
CUT – 116 CY
FILL – 501 (*1.15) = 576 CY
NET – 460 CY FILL

ACCESS DRIVE & PUMP STATION SITE DISTURBED AREA – 37,554 SF, 0.86 AC
SECONDARY ACCESS DRIVE DISTURBED AREA – 5,041, 0.12 AC
TOTAL DISTURBANCE AREA – 42,595 SF, 0.98 AC

EROSION CONTROL FACILITIES:

SECONDARY ACCESS DRIVE
SILT FENCE (SF) – 372 LF
VEHICLE TRACKING PAD (VT) – 0
INLET PROTECTIONS – 0
CHECK DAMS – 0
STABILIZED STAGING AREA – 0
STOCKPILE PROTECTION – 0
PORTABLE TOILET – 0

PUMP STATION ACCESS DRIVE
SILT FENCE (SF) – 771 LF
VEHICLE TRACKING PAD (VT) – 1
INLET PROTECTIONS – 0
CHECK DAMS – 0
STABILIZED STAGING AREA – 0
STOCKPILE PROTECTION – 0
PORTABLE TOILET – 0

PUMP STATION SITE
SILT FENCE (SF) – 478 LF
VEHICLE TRACKING PAD (VT) – 1
INLET PROTECTIONS – 1
CHECK DAMS – 2
STABILIZED STAGING AREA – 1
STOCKPILE PROTECTION – 1
PORTABLE TOILET – 1

El Paso County Conservation District Shotgun Mix

Common Name (All Native)	Recommended Variety	Percent of Seed Mix	Non Irrigated PLS Rate Per Acre (Drilled)
Bluestem, Big	Kaw, Bison, Champ	20.0%	1.08
Grama, Blue	Lovington, Hachita, Alma	10.0%	0.12
Green Needlegrass	Lodorm	10.0%	0.48
Wheatgrass, Western	Arriba, Barton	20.0%	1.60
Grama, Sideoats	Vaughn, Butte, El Reno, Niner	10.0%	0.46
Switchgrass	Glackwell, Greenville	10.0%	0.20
Prairie Sandreed	Goshen, Pronghorn	10.0%	0.32
Yellow Indiangrass	Cheyenne, Holt, Llano	10.0%	0.51

Note: The above listed PLS rate per acre is for drilled application. If seeding is completed using broadcasting methods, the PLS rate shall be doubled.

EROSION CONTROL NOTES:

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 AND SENSITIVE ENVIRONMENTAL AREAS..
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 FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL MANAGER (ECM). 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 EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. 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 DISCHARGE TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL OCCUR AS SHOWN WITHIN THE PLANS.
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER 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, ORGANIC MATERIAL, 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, AND 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 WAS PREPARED BY VIVID ENGINEERING GROUP (DATED 8/12/22) AND SHALL BE CONSIDERED A PART OF THESE PLANS
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 APPLICATIONS 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

    BASED ON THE DESIGN SHOWN THE DISTURBANCE IS LESS THAN ONE (1) ACRE.
30. EXISTING VEGETATION IS NOT NOTABLE, ONLY GRASSES/WEEDS ARE WITHIN THE LIMITS OF CONSTRUCTION.
31. THERE ARE NO BATCH PLANTS/ASPHALT PLANTS EXISTING OR PROPOSED FOR THIS SITE.
32. RECEIVING WATERS: TRIBUTARY OF BLACK SQUIRREL CREEK
33. THERE ARE NO SPRINGS, STREAMS, WETLANDS, OR OTHER SURFACE WATERS, INCLUDING AREAS THAT REQUIRE MAINTENANCE OF PRE–EXISTING VEGETATION WITHIN 50 FEET OF A RECEIVING WATER.

RESPEC
COMMUNITY DESIGN SOLUTIONS
121 SOUTH TEJON STREET SUITE 1110
COLORADO SPRINGS, COLORADO 80903
WWW.RESPEC.COM PHONE: (719)265-5212

DESIGNED DESIGN BY
DRAWN DRAWN BY
CHECKED CHECKED BY
DATE 4.27.2023

REVISION

STAMP

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4/2023

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S11
Know what's below. Call before you dig.

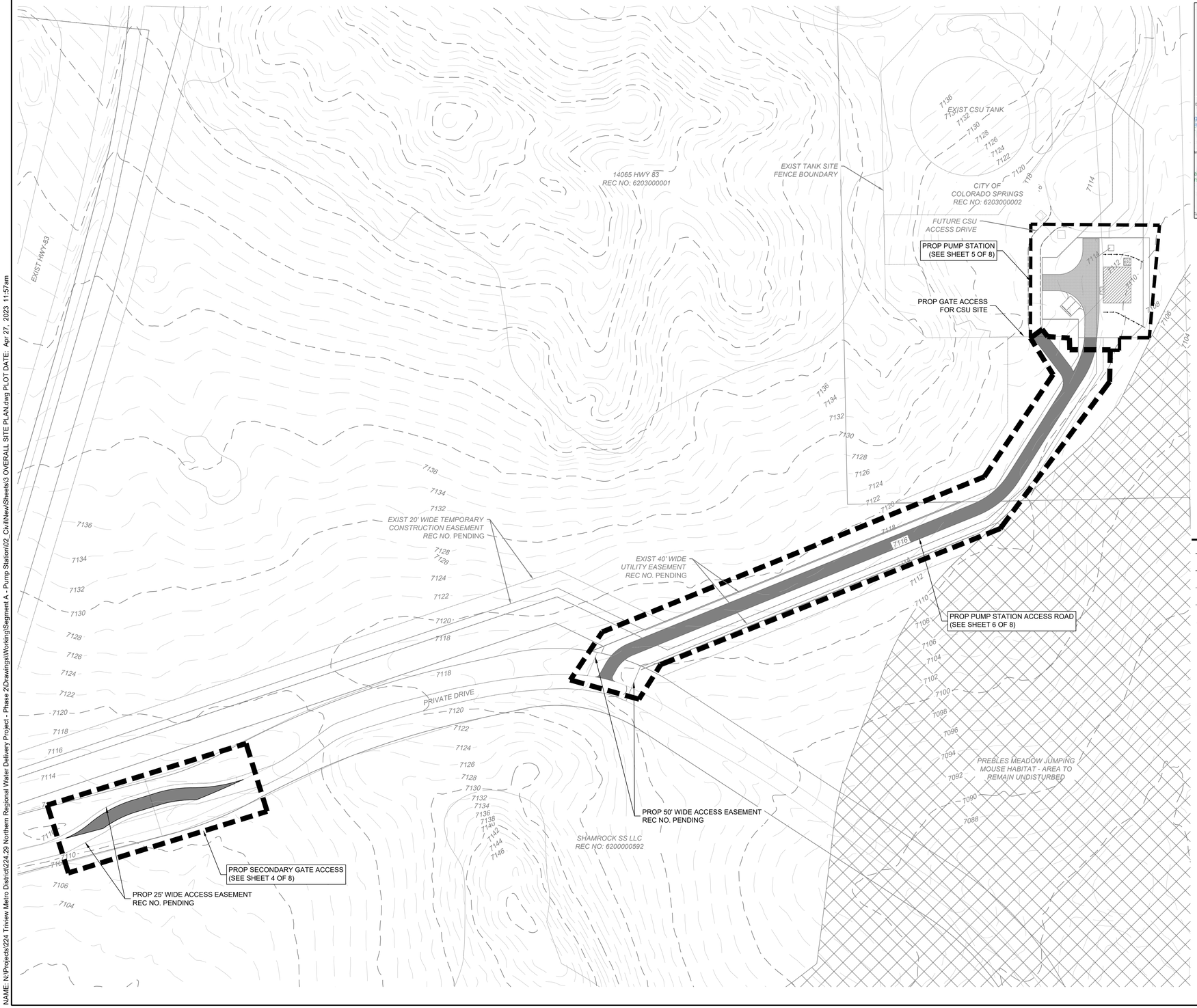
PROJECT NAME: NORTHERN DELIVERY SERVICE BOOSTER PUMP STATION

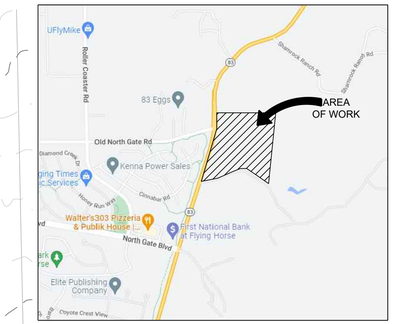
SHEET TITLE: GENERAL GRADING NOTES

SUBMITTED FOR: TRIVIEW METROPOLITAN DISTRICT

SHEET NUMBER: SHEET 2 OF 8

NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\NewSheets\2 GENERAL GRADING NOTES.dwg PLOT DATE: Apr 27, 2023 11:55am





VICINITY MAP TRIVEW METRO DISTRICT

NTS

BENCHMARK

TOPOGRAPHY SURVEY CENTENNIAL LAND SURVEYING, LLC. SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

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BENCHMARK: CP 5052 EL: 7213.70
BENCHMARK: NGS CS110/DM9842 EL: 6843.25;
BENCHMARK: NGS S294/KK0272 EL: 7116.72

LEGEND

- 7290 — PROPOSED MAJOR CONTOUR
- 7291 — PROPOSED MINOR CONTOUR
- 7290 — EXISTING MAJOR CONTOUR
- 7291 — EXISTING MINOR CONTOUR
- PROPOSED PROJECT AREAS
- PROPERTY LINE
- LIMITS OF CONSTRUCTION
- LIMITS OF DISTURBANCE
- SCL — PROPOSED SEDIMENT CONTROL LOG
- PROPOSED ASPHALT PAVEMENT
- EXISTING EDGE OF ASPHALT
- X — X — EXISTING FENCE LINE
- EXISTING EASEMENT

0 60 120
SCALE IN FEET
1" = 60'

NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\New\Sheets\3 OVERALL SITE PLAN.dwg PLOT DATE: Apr 27, 2023 11:57am

DESIGNED
DRAWN BY
CHECKED BY
DATE 4.27.2023

REVISION

RESPEC
COMMUNITY DESIGN SOLUTIONS
121 SOUTH TEJON STREET SUITE 1110
COLORADO SPRINGS, COLORADO 80903
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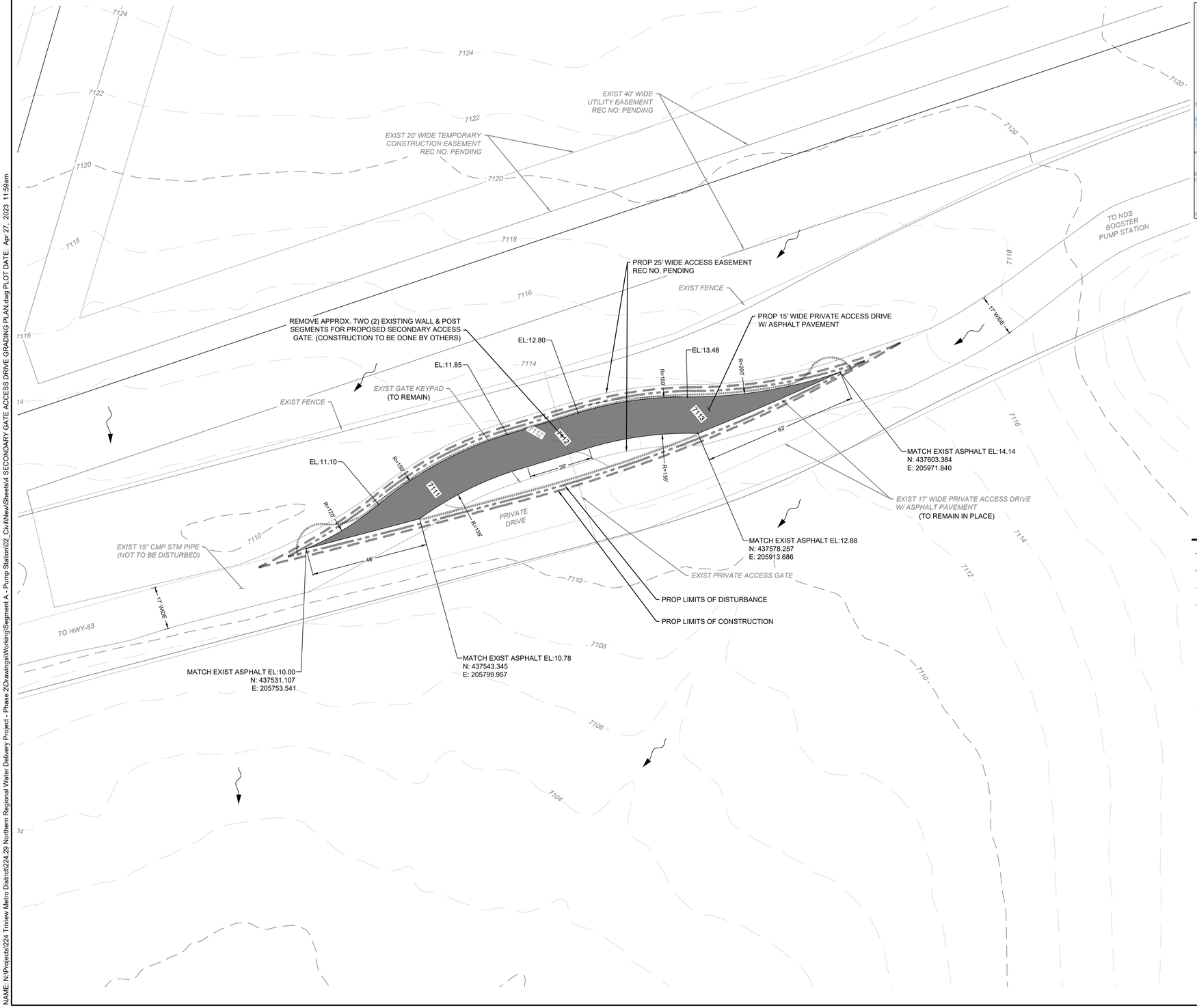
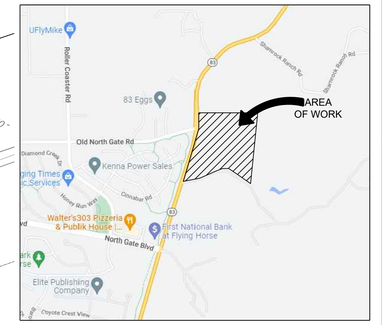
PROJECT NAME:
NORTHERN DELIVERY SERVICE
BOOSTER PUMP STATION

SHEET TITLE:
OVERALL SITE PLAN

SUBMITTED FOR:
TRIVIEW
METROPOLITAN
DISTRICT

SHEET NUMBER:
SHEET 3 OF 8





VICINITY MAP TRIVEW METRO DISTRICT
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TOPOGRAPHY SURVEY CENTENNIAL LAND SURVEYING, LLC. SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

HORIZONTAL DATUM: HORIZONTAL COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL BASED UPON THE FOLLOWING: COORDINATES ARE SCALED FROM CONTROL POINT 5052 BEING A 2-INCH ALUMINUM CAP STAMPED AZTEC CP 52 SET AT THE TOP OF A DIRT BANK ALONG THE EAST SIDE OF GLEN EAGLE DR. APPROXIMATELY 380+- FEET NORTHERLY OF ST. LAWRENCE WAY. VALUES ARE BASED UPON A STATIC SURVEY SESSION WITH THE FOLLOWING RESULTS:

LATITUDE: 39-04-05916N; LONGITUDE: 104-49-24.82486 W
STATE PLANE NORTHING: 1,450,401.759; STATE PLANE EASTING: 3,192,049.712 SCALE FACTOR: 1.0004063250
TRUNCATE NORTHING: 1,000,000.00; TRUNCATE EASTING: 3,000,000.00 PROJECT NORTHING: 450,401.759; PROJECT EASTING: 192,049.712
VERTICAL DATUM: NAVD 88 WITH GEOID G18US
BENCHMARK: CP 5052 EL: 7213.70
BENCHMARK: NGS CS110/DM9842 EL: 6843.25;
BENCHMARK: NGS S294/KK0272 EL: 7116.72

LEGEND

- 7290 — PROPOSED MAJOR CONTOUR
- 7291 — PROPOSED MINOR CONTOUR
- 7290 — EXISTING MAJOR CONTOUR
- 7291 — EXISTING MINOR CONTOUR
- PROPOSED PROJECT AREAS
- PROPERTY LINE
- LIMITS OF CONSTRUCTION
- LIMITS OF DISTURBANCE
- SCL — PROPOSED SEDIMENT CONTROL LOG
- PROPOSED ASPHALT PAVEMENT
- EXISTING EDGE OF ASPHALT
- X — X — EXISTING FENCE LINE
- EXISTING EASEMENT

0 20 40
SCALE IN FEET
1" = 20'

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DRAWN
CHECKED
DATE 4.27.2023

DESIGN BY
DRAWN BY
CHECKED BY

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Know what's below. Call before you dig. 811 or 1-800-922-1987

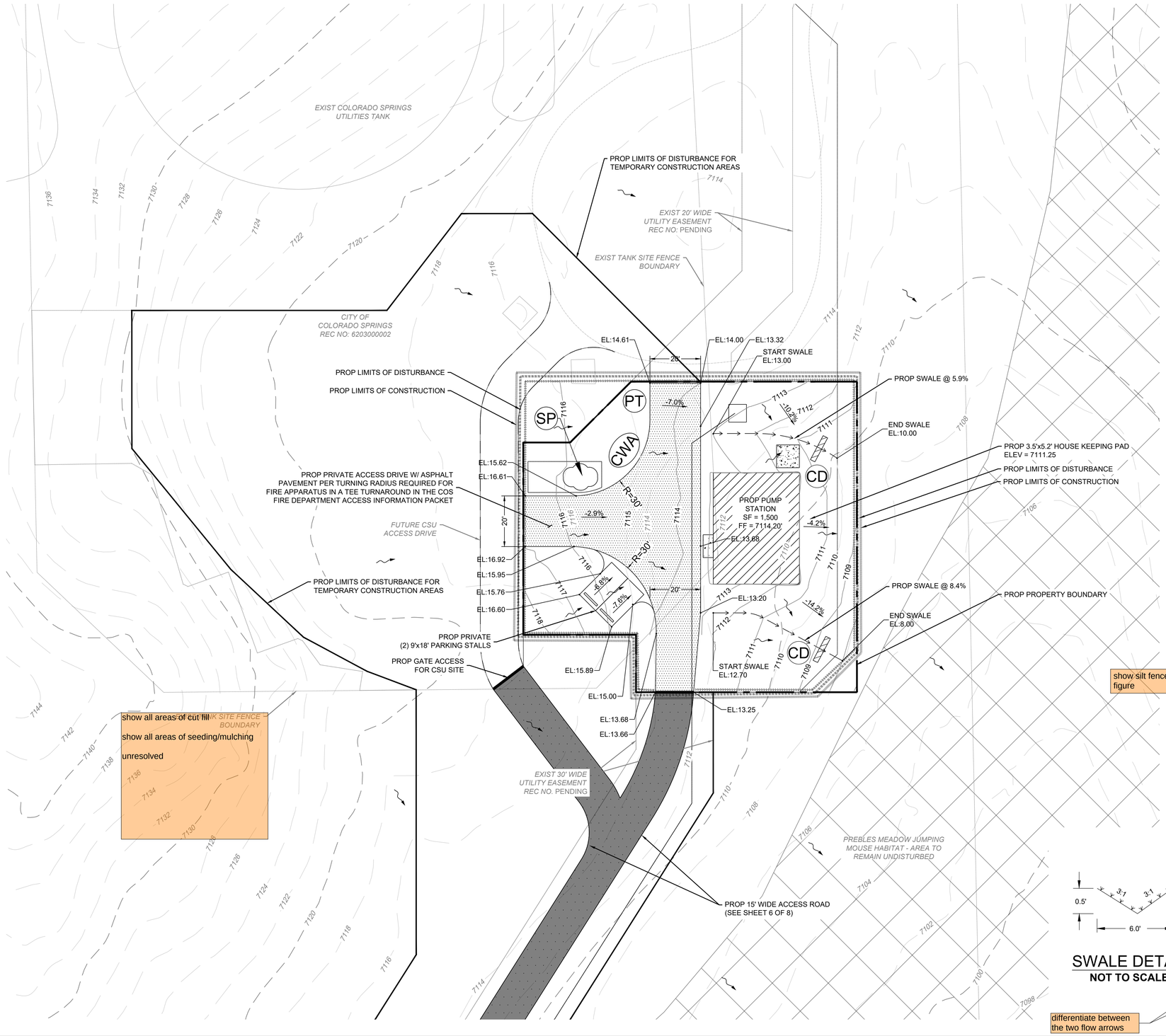
PROJECT NAME:
NORTHERN DELIVERY SERVICE
BOOSTER PUMP STATION

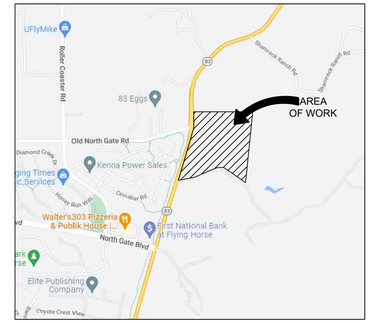
SHEET TITLE:
SECONDARY GATE ACCESS DRIVE GRADING PLAN

SUBMITTED FOR:
TRIVIEW METROPOLITAN DISTRICT

SHEET NUMBER:
SHEET 4 OF 8

NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\New\Sheets\4 SECONDARY GATE ACCESS DRIVE GRADING PLAN.dwg PLOT DATE: Apr 27, 2023 11:59am





VICINITY MAP TRIVIEW METRO DISTRICT
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TOPOGRAPHY SURVEY CENTENNIAL LAND SURVEYING, LLC. SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

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TRUNCATE NORTHING: 1,000,000.00; TRUNCATE EASTING: 3,000,000.00 PROJECT NORTHING: 450,401.759; PROJECT EASTING: 192,049.712
VERTICAL DATUM: NAVD 88 WITH GEOID G18US
BENCHMARK: CP 5052 EL: 7213.70
BENCHMARK: NGS CS110/DM9842 EL: 6843.25;
BENCHMARK: NGS S294/KK0272 EL: 7116.72

LEGEND

- PROPOSED MAJOR CONTOUR (7290)
- PROPOSED MINOR CONTOUR (7291)
- EXISTING MAJOR CONTOUR (7290)
- EXISTING MINOR CONTOUR (7291)
- PROPERTY LINE
- LIMITS OF CONSTRUCTION
- LIMITS OF DISTURBANCE
- PROPOSED INITIAL SEDIMENT CONTROL LOG (SCL)
- PROPOSED INITIAL SILT FENCE (SF)
- PROPOSED SWALE FLOW LINE
- PROPOSED ASPHALT PAVEMENT
- EXISTING EDGE OF ASPHALT
- EXISTING FENCE LINE
- EXISTING EASEMENT
- EXISTING UNDERGROUND ELECTRIC (UGE)
- PROP INITIAL VEHICLE TRACKING CONTROL (VTC)
- PROP INITIAL CONCRETE WASHOUT AREA (CWA)
- PROP INITIAL STABILIZED STAGING AREA (SSA)
- PROP INITIAL STOCKPILE PROTECTION (SP)
- PROP INITIAL PORTABLE TOILET (PT)
- PROP INITIAL CHECK DAM (CD)
- PROP FLOW ARROW
- EXIST FLOW ARROW

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CHECKED
DATE 4.27.2023

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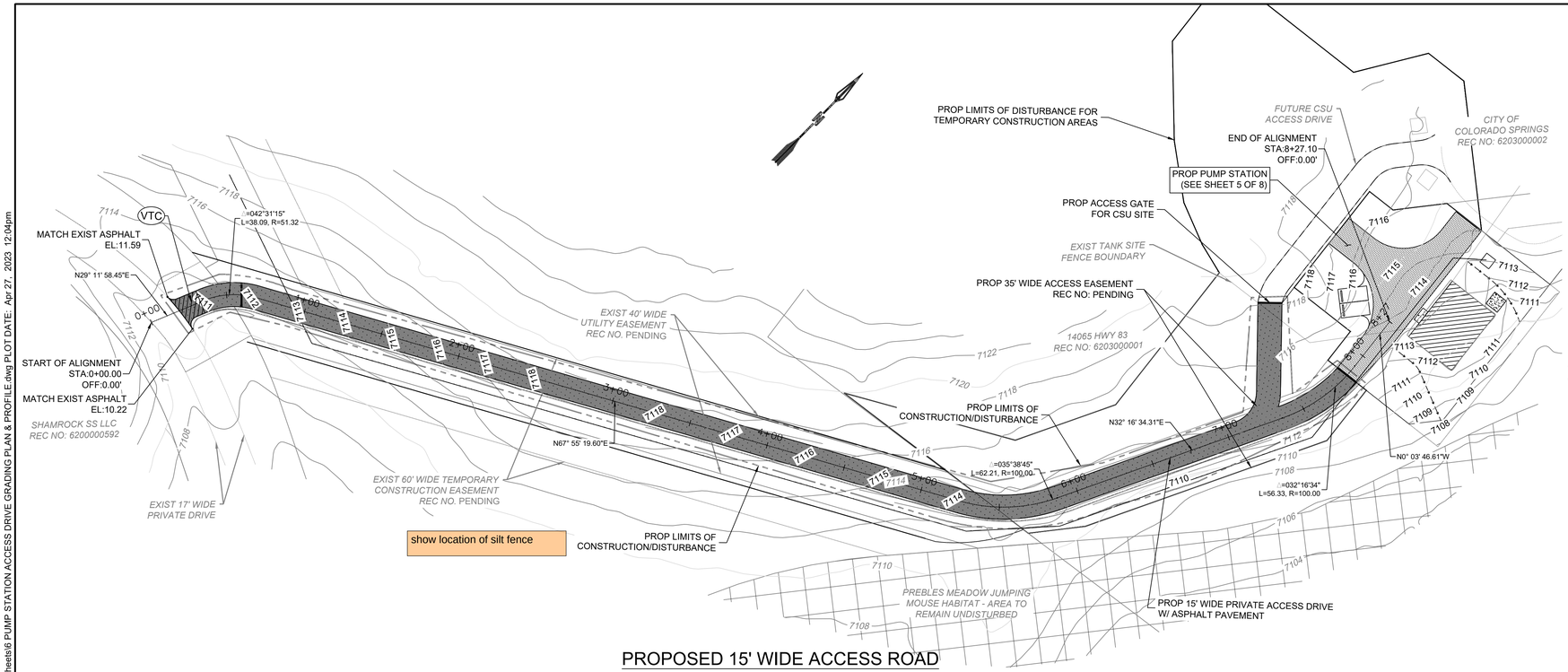
PROJECT NAME: NORTHERN DELIVERY SERVICE BOOSTER PUMP STATION

SHEET TITLE: PUMP STATION GRADING PLAN

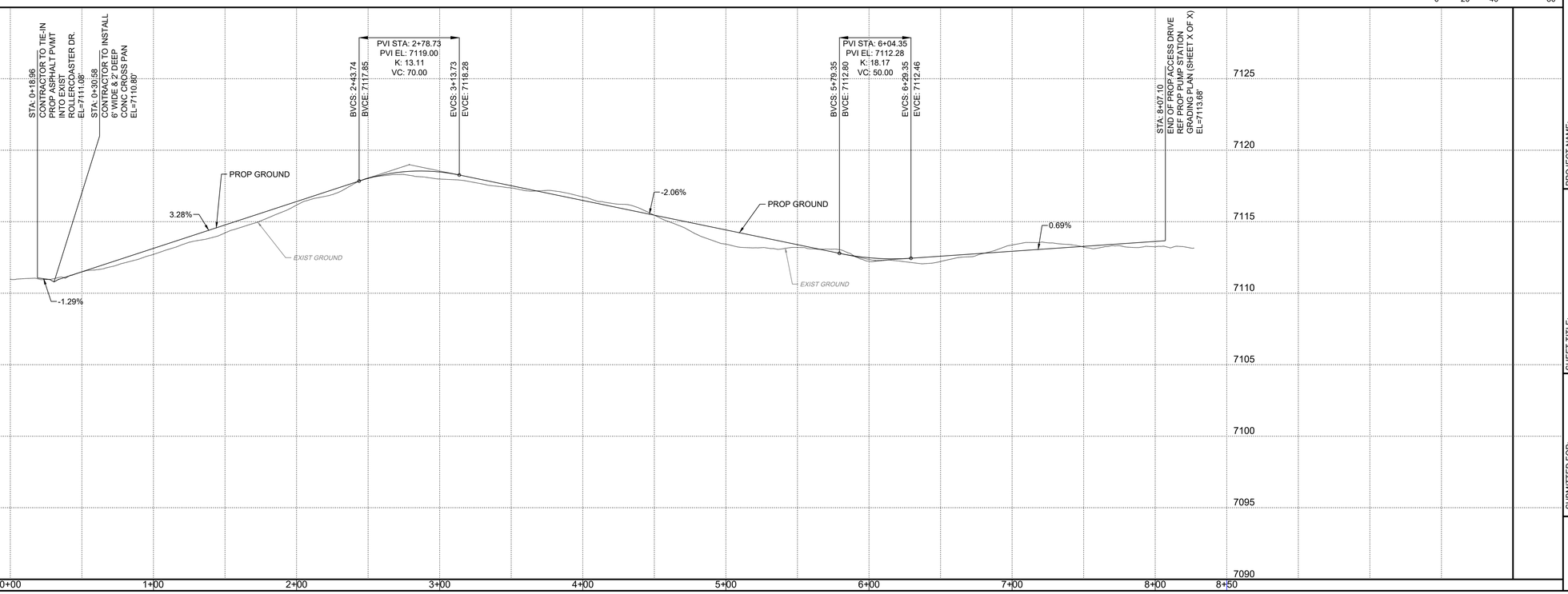
SUBMITTED FOR: TRIVIEW METROPOLITAN DISTRICT

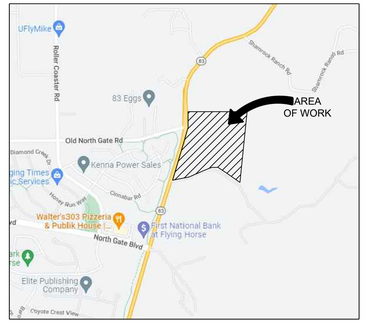
SHEET NUMBER: SHEET 5 OF 8

NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\New\Sheets\5 PUMP STATION GRADING PLAN.dwg PLOT DATE: Apr 27, 2023 12:02pm



PROPOSED 15' WIDE ACCESS ROAD





VICINITY MAP TRIVIEW METRO DISTRICT
NTS

BENCHMARK

TOPOGRAPHY SURVEY CENTENNIAL LAND SURVEYING, LLC. SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

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VERTICAL DATUM: NAVD 88 WITH GEOID G18US BENCHMARK: CP 5052 EL: 7213.70
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BENCHMARK: NGS S294/KK0272 EL: 7116.72

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 4'
0 20 40 80

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PROJECT No. W0008.0010

PROJECT NAME:
NORTHERN DELIVERY SERVICE
BOOSTER PUMP STATION

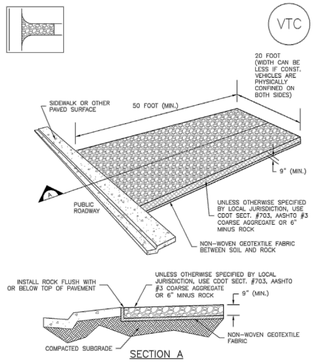
SHEET TITLE:
PUMP STATION
ACCESS DRIVE
PLAN & PROFILE

SUBMITTED FOR:
TRIVIEW
METROPOLITAN
DISTRICT

SHEET NUMBER:
SHEET 6 OF 8

NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\New\Sheets\6 PUMP STATION ACCESS DRIVE GRADING PLAN & PROFILE.dwg PLOT DATE: Apr 27, 2023 12:04pm

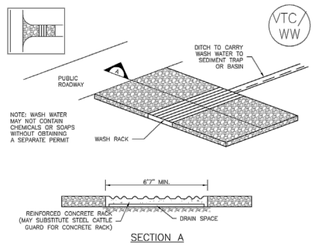
Vehicle Tracking Control (VTC) SM-4



VTC–1. AGGREGATE VEHICLE TRACKING CONTROL

NOT TO SCALE

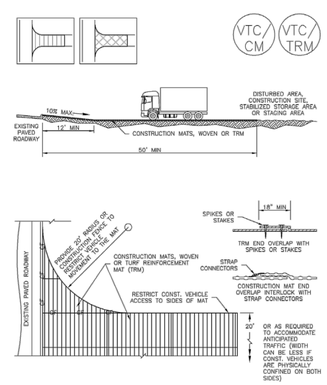
SM-4 Vehicle Tracking Control (VTC)



VTC–2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK

NOT TO SCALE

Vehicle Tracking Control (VTC) SM-4



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

NOT TO SCALE

SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
   –TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).

2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.

3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.

4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.

6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF CDOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.

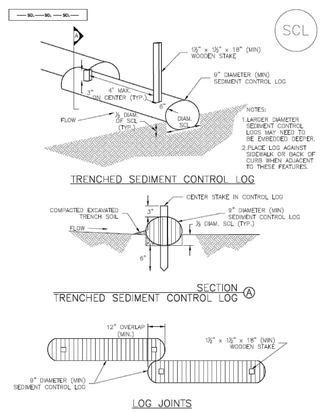
5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

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

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOT TO SCALE

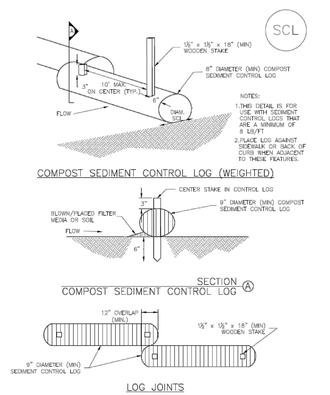
Sediment Control Log (SCL) SC-2



SCL–1. TRENCHED SEDIMENT CONTROL LOG

NOT TO SCALE

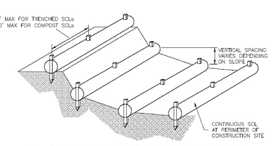
SC-2 Sediment Control Log (SCL)



SCL–2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

NOT TO SCALE

Sediment Control Log (SCL) SC-2



SCL–3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

NOT TO SCALE

SC-2 Sediment Control Log (SCL)

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.

2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND-DISTURBING ACTIVITIES.

3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.

4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.

5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY ⅓ OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.

6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.

7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.

5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION.COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

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

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

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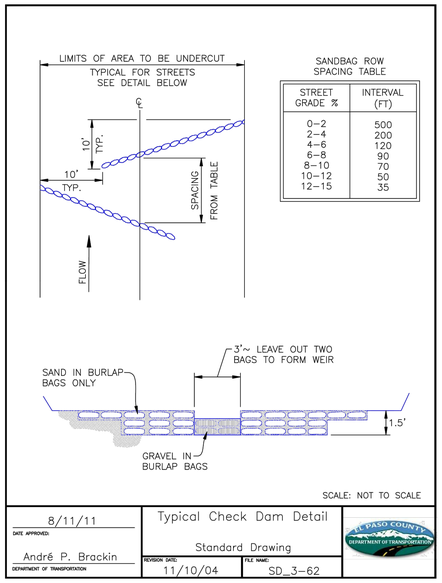
PROJECT NAME: NORTHERN DELIVERY SYSTEM BOOSTER PUMP STATION

SHEET TITLE: GRADING DETAILS 1 OF 2

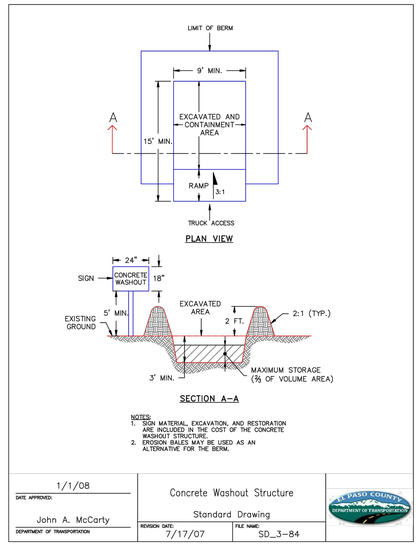
SUBMITTED FOR: TRIVIEW METROPOLITAN DISTRICT

SHEET NUMBER: SHEET 7 OF 8

NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\NewSheets\7 GRADING DETAILS 1 of 2.dwg PLOT DATE: Apr 27, 2023 12:04pm



NOT TO SCALE



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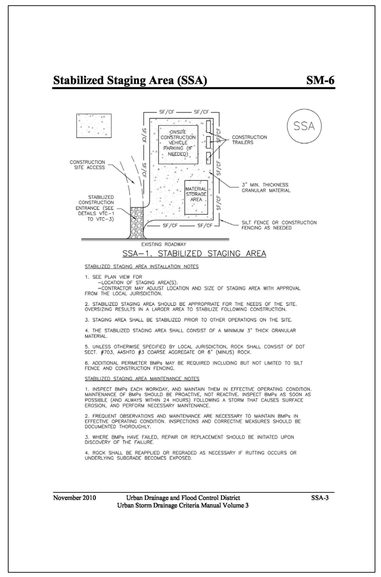

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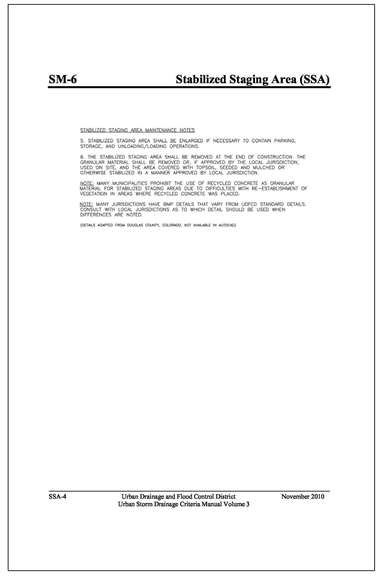

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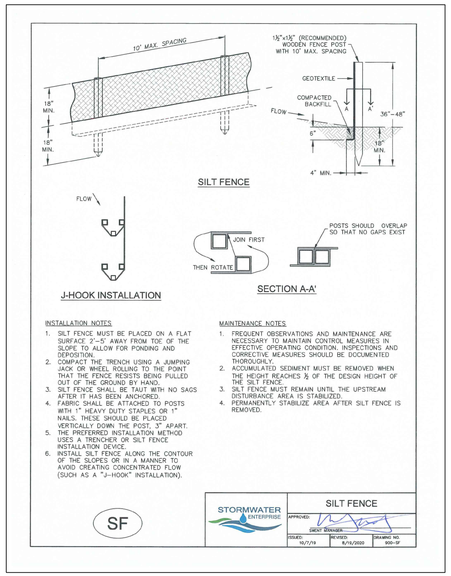

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PROJECT NAME:
NORTHERN DELIVERY SYSTEM
BOOSTER PUMP STATION

SHEET TITLE:
GRADING DETAILS 2 OF 2

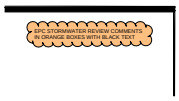
SUBMITTED FOR:
TRIVIEW
METROPOLITAN
DISTRICT

SHEET NUMBER:
SHEET 8 OF 8

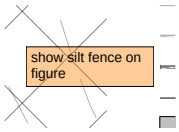
NAME: N:\Projects\224 Triview Metro District\224.29 Northern Regional Water Delivery Project - Phase 2\Drawings\Working\Segment A - Pump Station\02_Civil\New\Sheets\8 GRADING DETAILS 2 OF 2.dwg PLOT DATE: Apr 27, 2023 12:05pm

GEC_V2.pdf Markup Summary 5-22-2023

dotprete (5)

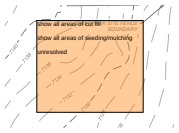


Subject: Stormwater Comments Color
Page Label: [1] 1 COVER SHEET
Author: dotprete
Date: 5/17/2023 2:28:51 PM
Status:
Color:
Layer:
Space:



Subject: Text Box
Page Label: [5] 5 PUMP STATION GRADING PLAN
Author: dotprete
Date: 5/17/2023 2:22:01 PM
Status:
Color:
Layer:
Space:

show silt fence on figure

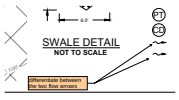


Subject: Engineer
Page Label: [5] 5 PUMP STATION GRADING PLAN
Author: dotprete
Date: 5/17/2023 2:23:31 PM
Status:
Color:
Layer:
Space:

show all areas of cut fill

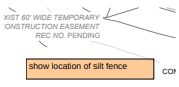
show all areas of seeding/mulching

unresolved



Subject: Callout
Page Label: [5] 5 PUMP STATION GRADING PLAN
Author: dotprete
Date: 5/17/2023 2:23:59 PM
Status:
Color:
Layer:
Space:

differentiate between the two flow arrows



Subject: Text Box
Page Label: [6] 6 PUMP STATION ACCESS DRIVE GRADING PLAN & PROFILE
Author: dotprete
Date: 5/17/2023 2:25:15 PM
Status:
Color:
Layer:
Space:

show location of silt fence