

48 hours before you dig, CALL UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) **811** Gas, Electric, Telephone, CATV and Panhandle Eastern Pipeline Locations

CONSTRUCTION PLANS

FALCON MEADOW RV CAMPGROUND

OUTFALL LIFT STATION

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 12 AND THE NORTHWEST QUARTER OF SECTION 13, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M.
EL PASO COUNTY, COLORADO

ELEMENT ENGINEERING LLC
12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80226
720.749.4165
WWW.ELEMENTENGINEERING.NET

PREPARED FOR

FALCON MEADOW RV CAMPGROUND
DAVID OZBURN, OWNER
719.421.0604
11150 HWY 24
PEYTON, CO 80831

ENGINEERING

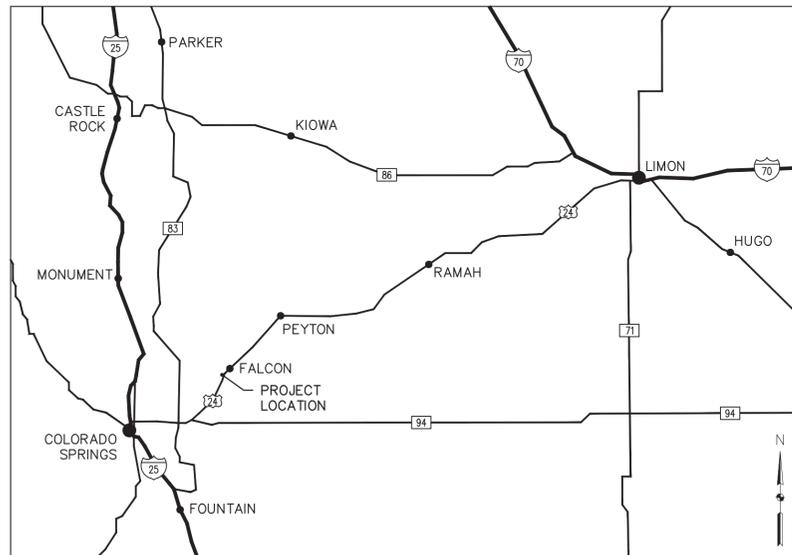
ELEMENT ENGINEERING, LLC
ALICE M. ARSENAULT, P.E. #53350
12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80228
303.981.0453

WOODMEN HILLS METROPOLITAN DISTRICT

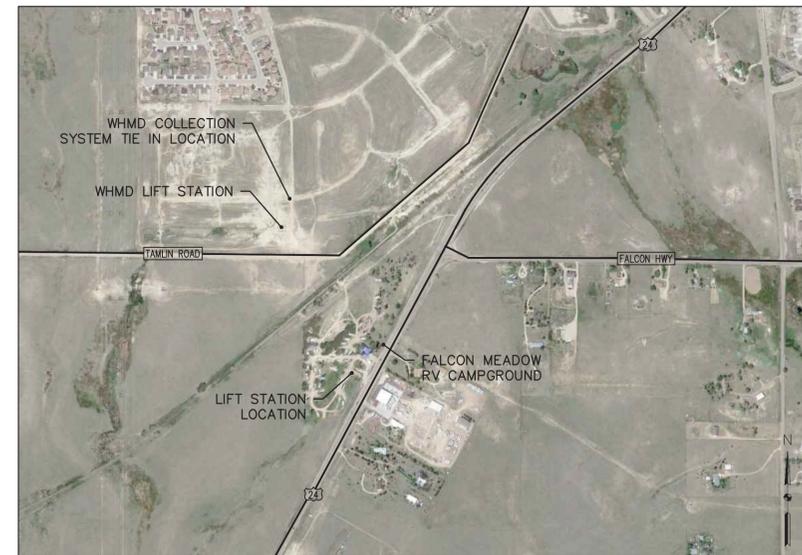
JERRY JACOBSON, GENERAL MANAGER
DANNY EVERETT, CHIEF INSPECTOR
8046 EASTONVILLE ROAD
FALCON, CO 80831
719.495.2500

SHEET INDEX

- 1 COVER SHEET
- 2 GENERAL NOTES & PROPOSED MANHOLE DETAILS
- 3 TOPOGRAPHICAL SURVEY
- 4 LIFT STATION
- 5 FORCE MAIN PLAN & PROFILE
- 6 OWNERSHIP & EASEMENTS
- 7 WOODMEN HILLS DETAILS
- 8 EROSION CONTROL SITE PLAN
- 9 EROSION CONTROL DETAILS



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

NO	REVISIONS	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA

LIFT STATION - CONSOLIDATION

COVER SHEET

FALCON MEADOW RV CAMPGROUND
11150 HWY 24
PEYTON, CO 80831

PREPARED UNDER THE DIRECT SUPERVISION OF

James C. Ozburn 1-9-20
FALCON MEADOW RV CAMPGROUND OWNER DATE

THESE PLANS HAVE BEEN APPROVED BY THE FALCON MEADOW RV CAMPGROUND. A CAMPGROUND REPRESENTATIVE WILL OBSERVE THE WORK FOR COMPLIANCE WITH THE APPROVED PLANS, BUT DOES NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF THE FACILITIES IN ACCORDANCE WITH THE APPROVED PLANS AND WITH APPLICABLE RULES AND REGULATIONS. WORK NOT PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS WILL NOT BE ACCEPTED. ACCEPTANCE OF THE WORK DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS UNDER APPLICABLE WARRANTIES.

THE WOODMEN HILLS METROPOLITAN DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.
WOODMEN HILLS METROPOLITAN DISTRICT
WASTEWATER DESIGN APPROVAL
DATE: 1/19/2020 BY: *Jerry Jacobson*
PROJECT NO. _____
IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR INSTALLATION OF WASTEWATER MAINS AND SERVICES" SHALL RULE.
APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL.

ONSITE BENCHMARK INFORMATION
CONTROL POINT #100, SET NO. 4 REBAR AS SHOWN HEREON.
NORTHING (Y) 29961.01, EASTING (X) 20058.38, ELEVATION (Z) 6826.05, NAVD 88 (BASED ON NGS MONUMENT E24 WITH AN ELEVATION 6902.30 NAVD 88).

DATE	MARCH 2019
JOB NUMBER	0055.0001
SCALE	AS SHOWN
DRAWING NAME	COVER
SHEET	1 OF 9

WOODMEN HILLS METROPOLITAN DISTRICT GENERAL NOTES

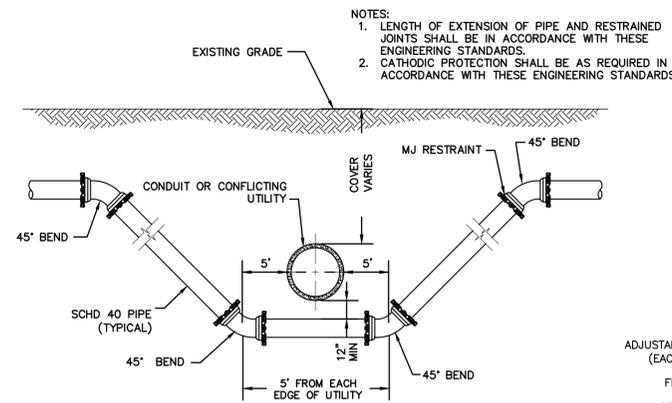
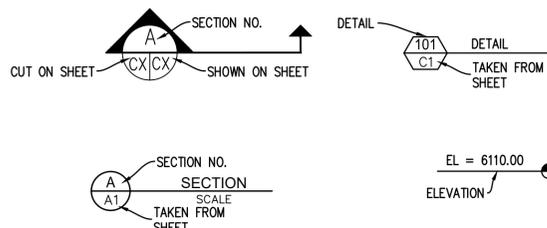
- ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WOODMEN HILLS METROPOLITAN DISTRICT (WHMD, THE DISTRICT) SPECIFICATIONS.
- ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICT'S ENGINEER. ANY REVISIONS TO THE PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED NOT VALID.
- ALL STATIONING IS CENTER LINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTER LINE UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN "S" FOR SEWER AND A "W" FOR WATER.
- DUCTILE IRON PIPES, INCLUDING FITTINGS, VALVES, AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT, AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
- ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WRES WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE 12 INCHES AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WRES WITH 17 LB. MAGNESIUM ANODES EVERY 300 FEET AND 9 LB. MAGNESIUM ANODES AT EACH FITTING.
- ALL PIPE MATERIAL, BACKFILL, AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES, AND THE GEOTECHNICAL ENGINEER.
- COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCIES HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES, AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE DISTRICT SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE DISTRICT AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
- ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
- BENDS, DEFLECTION, AND CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO ASSURE LOCATION OF PIPE LINE CONSTRUCTION.
- AT ALL LOCATION WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
- ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE METROPOLITAN DISTRICT AS REQUESTED.
- AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
- PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICT ENGINEER PRIOR TO EXECUTION.
- THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER, AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINES) SHALL HAVE LIABILITY INSURANCE NAMING THE DISTRICT AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICT. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICTS' OFFICE.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEER, AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
- COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN METROPOLITAN DISTRICT:
 - PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE DISTRICT TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED PRIOR TO FOUR (4) SIGNED/APPROVED PLAN SETS ARE RECEIVED BY THE DISTRICT.
 - THE CONTRACTOR IS REQUIRED TO NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
- TESTING OF FACILITIES:
 - THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS:
 - TEST 100% OF ALL LINES
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS)
 - ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS:
 - ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING
 - ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION
 - SEWER MAINS TO BE PRESSURE TESTED PRIOR TO CCTV INSPECTION
 - ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.

- PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN TIME THAT THE DISTRICT ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION SHALL BE COMPLETED WITHIN 30 DAYS OF COMMENCEMENT. SHOULD THE CONTRACTOR FAIL TO COMPLETE ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE, THE DISTRICT, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTOR'S COST.
- FINAL ACCEPTANCE BY THE DISTRICT OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RESTORATION OF ALL SURFACE IMPROVEMENTS. THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 24 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.
- ACCEPTANCE
 - THE DISTRICT MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THRU HAS OCCURRED.
 - A SECOND ACCEPTANCE MAY OCCUR ONCE FIRST LIFT OF ASPHALT GOES DOWN AND A SECOND WALK-THRU OF THE SYSTEM OCCURS. IF ALL FACILITIES ARE CLEAN AND ACCESSIBLE, A FINAL ACCEPTANCE MAY OCCUR (THE DISTRICT MAY REQUIRE CLEANING AND RE-VIDEO OF THE SYSTEM, DEPENDING ON THE SEVERITY OF THE CONTAMINATION).
- ALL WATER AND SEWER MAINS, INCLUDING SERVICE LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.
- ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE AN EIGHT INCH (MIN.) WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS THE PROPERTY LINE. AN EIGHT INCH SEWER MAIN SHALL BE INSTALLED FOR SERVICE TO COMMERCIAL/BUSINESS DEVELOPMENTS, AND A MANHOLE SHALL BE LOCATED WHERE THE MAIN ENTERS THE PROPERTY. THE END OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATE COLORED CARSONITE MARKER ALONG WITH TRACER WIRE.
- AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES AND/OR SERVICES, CONSTRUCTION MUST BE COMMENCED WITHIN 18 MONTHS FOR RESIDENTIAL SUBDIVISIONS AND 12 MONTHS FOR ANY COMMERCIAL INSTALLATIONS.
- INSPECTION FEES: CALL THE DISTRICT (719-495-2500) FOR FEE SCHEDULE.
- SANITARY SEWER LENGTHS ARE MH CENTER TO MH CENTER. ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR EQUAL SEWER LINES MAY NOT EXCEED 7% GRADE FOR ANY SIZE WITHOUT PRIOR APPROVAL OF THE DISTRICT. ALL NEWLY CONSTRUCTED RESIDENTIAL SANITARY SEWER TAPS SHALL USE PRE-MANUFACTURED IN-LINE PVC PUSH-ON WYES. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING MAINS.
- ALL SANITARY SEWER MANHOLES SHALL BE WRAPPED WITH RU116-RUBR-NEK JOINT WRAP OR EQUIVALENT AND COATED.
- COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
 - NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL THE COMPLETION OF ALL JET CLEANING, PRESSURE TESTING, VACUUM TESTING, CCTV INSPECTION, COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
 - NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, ANY REQUIRED SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
 - ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.
 - DOWNSTREAM PLUG CAN BE REMOVED ONCE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET.

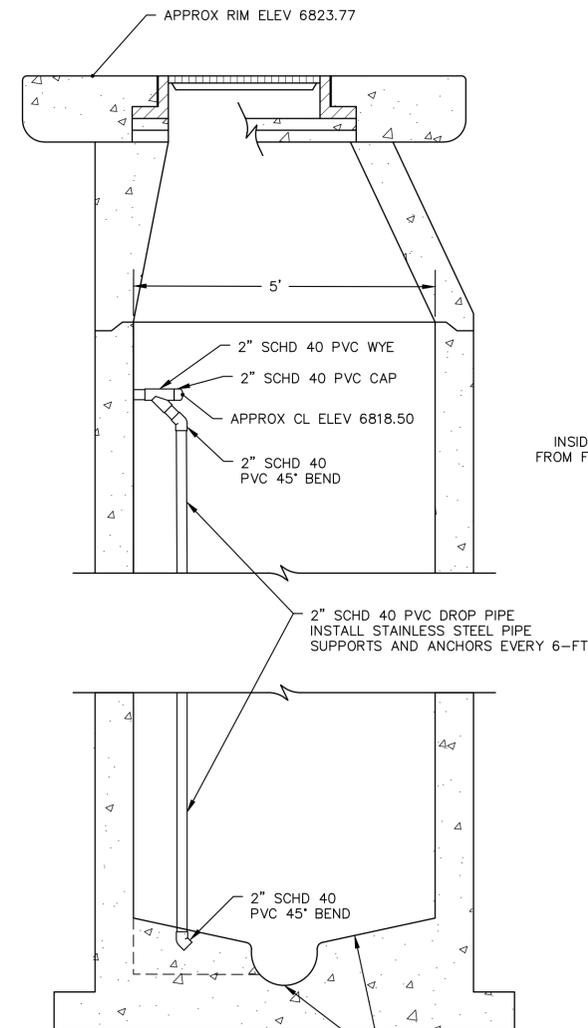
ABBREVIATIONS

ARVB	AIR RELIEF VACUMBREAKER VALVE	MH	MANHOLE
BEG	BELOW EXISTING GRADE	N	NORTH
BFV	BUTTERFLY VALVE	NE	NORTHEAST
CL	CENTERLINE	NW	NORTHWEST
CMP	CORRUGATED METAL PIPE	OH	OVERHEAD
DIA. OR Ø	DIAMETER	PVC	POLYVINYL CHLORIDE
E	EAST	RAD OR R	RADIUS
EA	EACH	RPP	REINFORCED POLYPROPYLENE
ELEC	ELECTRICAL LINE	S	SOUTH
EOA	EDGE OF ASPHALT	SE	SOUTHEAST
EXIST. OR EX.	EXISTING	SW	SOUTHWEST
INV	INVERT	T.O.P.	TOP OF PIPE
LP	LOW POINT	UON	UNLESS OTHERWISE NOTED
FM	FORCE MAIN		

CIVIL/ARCHITECTURAL/PROCESS SYMBOLS LIBRARY

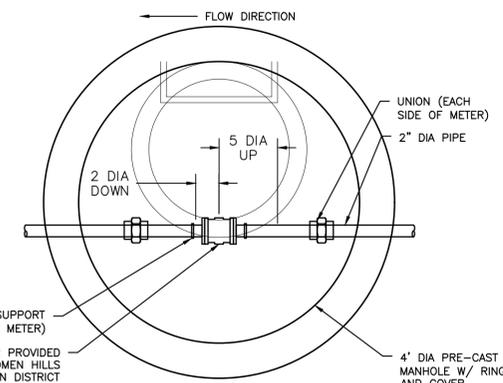


FORCE MAIN LOWERING DETAIL



INSIDE DROP DETAIL APPROX. TO SCALE

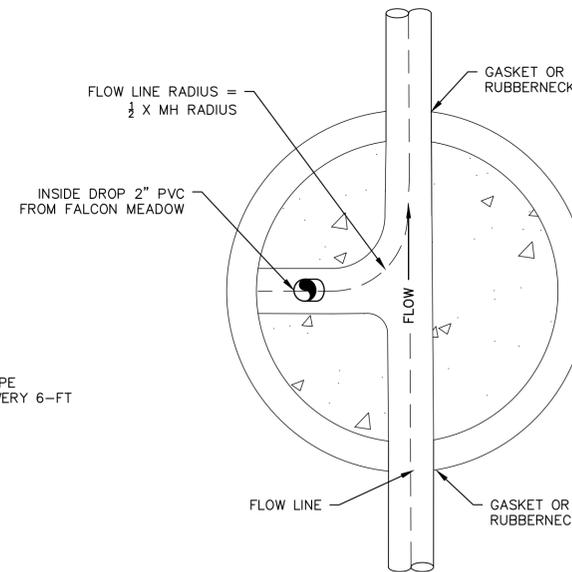
- NOTES:
- LENGTH OF EXTENSION OF PIPE AND RESTRAINED JOINTS SHALL BE IN ACCORDANCE WITH THESE ENGINEERING STANDARDS.
 - CATHODIC PROTECTION SHALL BE AS REQUIRED IN ACCORDANCE WITH THESE ENGINEERING STANDARDS.



METER VAULT DETAIL

NOTES:

- DIMENSIONS SHOWN ARE REQUIRED UPSTREAM AND DOWNSTREAM DIAMETERS OF STRAIGHT PIPE.
- DETAIL FOR SCHEMATIC PURPOSES ONLY, CONFIRM DIMENSIONS AND FITTINGS AS NECESSARY.
- INSTALL METER PER MANUFACTURER'S REQUIREMENTS.
- FLOW METER 18" MIN ABOVE MANHOLE FLOOR.



MANHOLE BASE

NOTE: PROPOSED MANHOLE MUST FOLLOW ALL WOODMEN HILLS METROPOLITAN DISTRICT DETAILS AND SPECIFICATIONS

NO	DATE	BY	DESCRIPTION
1	5/19	AA	MODIFY TO TWO PUMPS
2	7/19	AA	ADD EROSION CONTROL SITE PLAN

LIFT STATION - CONSOLIDATION
GENERAL NOTES & PROPOSED MANHOLE DETAILS
 FALCON MEADOW RV CAMPGROUND
 11150 HWY 24
 PEYTON, CO 80831

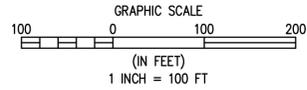
PREPARED UNDER THE DIRECT SUPERVISION OF

DATE	MARCH 2019
JOB NUMBER	0055.0001
SCALE	NTS
DRAWING NAME	NOTES
SHEET	2 OF 9

- NOTES:
- BENCHMARK: CONTROL POINT #100, SET NO. 4 REBAR AS SHOWN HEREON. NORTHING (Y) 29961.01, EASTING (X) 20058.38, ELEVATION (Z) 6826.05, NAVD 88 (BASED ON NGS MONUMENT E24 WITH AN ELEVATION 6902.30 NAVD 88).
 - THIS IS AN ALIGNMENT AND TOPOGRAPHIC MAP. IT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT.
 - THE FIELDWORK FOR THIS SURVEY WAS COMPLETED ON DECEMBER 26, 2018 BY FORTH LAND SURVEYING, INC.
 - ANY UNDERGROUND OR ABOVE GROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AS OBSERVED IN THE FIELD. UNDERGROUND LINES SHOWN HEREON ARE SHOWN APPROXIMATELY. WHERE ADDITIONAL OR MORE DETAIL IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.
 - SANITARY SEWER MANHOLES 1 & 2 (SSMH 1 & 2) ARE MAINTAINED BY WOODMEN HILLS METROPOLITAN DISTRICT AND WERE OPENED AND CLOSED BY A WOODMEN HILLS METROPOLITAN DISTRICT REPRESENTATIVE.

LEGEND

- FOUND PLSS MONUMENT AS NOTED
- FOUND MONUMENT AS NOTED
- △ SET SITE BENCHMARK AS NOTED
- ▲ FOUND 60D NAIL
- (R) RECORD VALUE per Land Survey Plat El Paso County Rec. # 205900052
- (R1) RECORD VALUE per Land Survey Plat El Paso County Rec # 217900138
- (R2) RECORD VALUE per Warranty Deed El Paso County Rec # 206055833
- (M) MEASURED VALUE
- CPP CORRUGATED PLASTIC PIPE
- ⊕ SANITARY SEWER MANHOLE
- SANITARY SEWER VENT PIPE
- ⊗ ELECTRIC TRANSFORMER
- ⊙ UTILITY POLE
- GUY WIRE
- OHE OVERHEAD ELECTRIC LINE
- X — X — CHAIN-LINK FENCE
- APPROX ROAD/TRAIL AREA



SSMH 1
WOODMEN HILLS MH
4 FT DIA CONCRETE
RIM ELEV 6822.90
INV IN N (10") ELEV 6799.62
INV IN E (10") ELEV 6799.62
INV OUT S (10") ELEV 6799.62

SSMH 2
WOODMEN HILLS MH
4 FT DIA CONCRETE
RIM ELEV 6824.11
DEPTH 23.03 FT
INV IN E (10") ELEV 6801.08
INV OUT W (10") ELEV 6801.08

OWNER: CHALLENGER COMMUNITIES LLC

OWNER: FALCON HIGHLANDS METRO DISTRICT

APPROXIMATE EXISTING 6" WOODMEN HILLS FORCE MAIN
ACTUAL LOCATION SHALL BE FIELD VERIFIED DURING CONSTRUCTION

WOODMEN HILLS FALCON HIGHLAND LIFT STATION
SEE DETAIL C THIS SHEET

WEST 1/16 CORNER OF SECTION 12, FOUND NO. 6 REBAR WITH A 3.25" ALUMINUM CAP, PLS 30829, 0.3' BELOW GRADE

TERMINATION OF INSTALLED FORCE MAIN

OWNER: BLH NO 2 LLC

SW CORNER OF SECTION 12
FOUND 2" PIPE WITH A 3.25" ALUMINUM CAP, PLS 38256, 0.1' BELOW GRADE

S89°18'34"E 1,328.13' (M)
S89°18'34"E 1,328.02' (R)
BASIS OF BEARINGS

TAMLIN ROAD

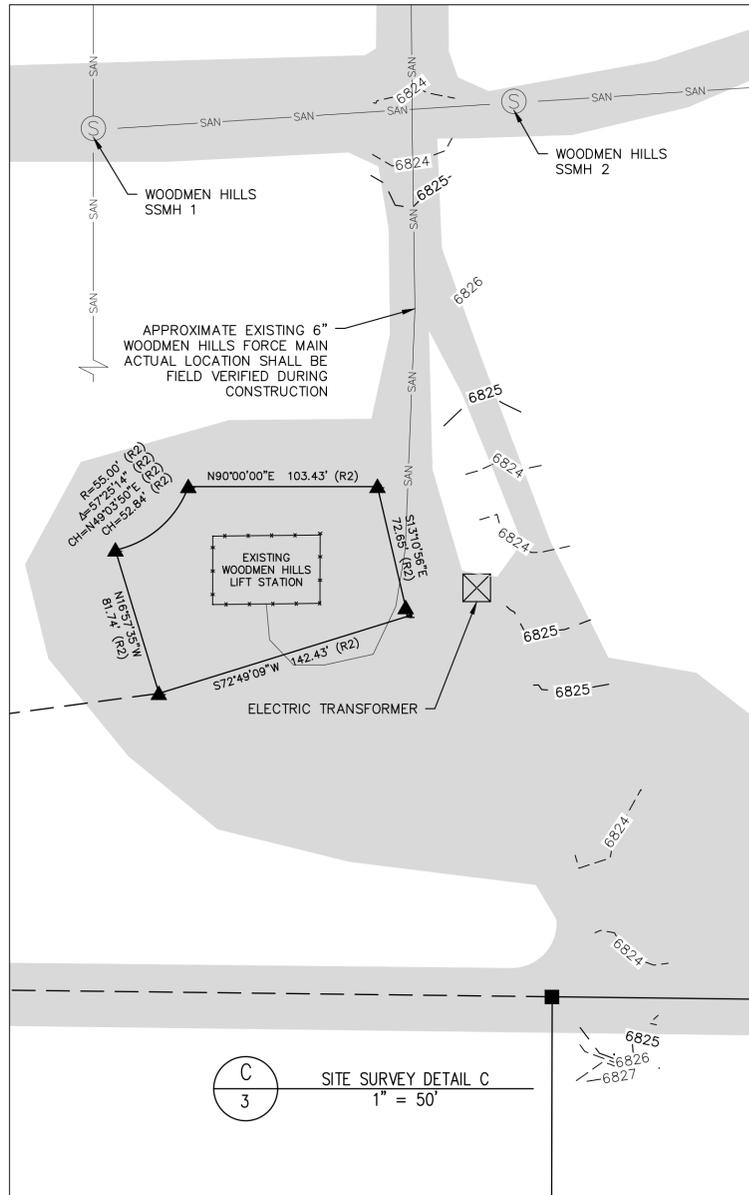
S89°18'39"E 282.89' (R1)

S89°18'46"E 461.28' (R1)

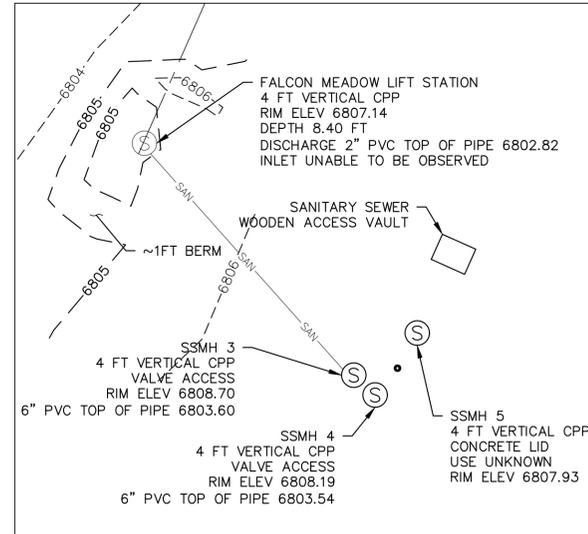
S89°18'17"E 234.83' (R1)

FOUND NO. 4 REBAR WITH ILLEGIBLE 1.25" ALUMINUM CAP 0.3' BELOW GRADE

FOUND NO. 5 REBAR WITH 1.5" ALUMINUM CAP PLS 30118 FLUSH WITH GRADE



C
3 SITE SURVEY DETAIL C
1" = 50'



B
3 SITE SURVEY DETAIL B
1" = 10'

NOTE: ALL WASTEWATER FROM FALCON MEADOW CAMPGROUND SERVICE AREA IS DIRECTED THROUGH SSMH 3 TO THE PROPOSED LIFT STATION.

OWNER: H2O SUB BLR LLC C/O WALTON INTERNATIONAL

OWNER: JAMES & DELIA OZBURN

OWNER: BLH NO 2 LLC

OWNER: H2O SUB BLR LLC C/O WALTON INTERNATIONAL

OWNER: JAMES & DELIA OZBURN

OWNER: H2O SUB BLR LLC C/O WALTON INTERNATIONAL

FALCON MEADOW LIFT STATION AREA
SEE DETAIL B THIS SHEET

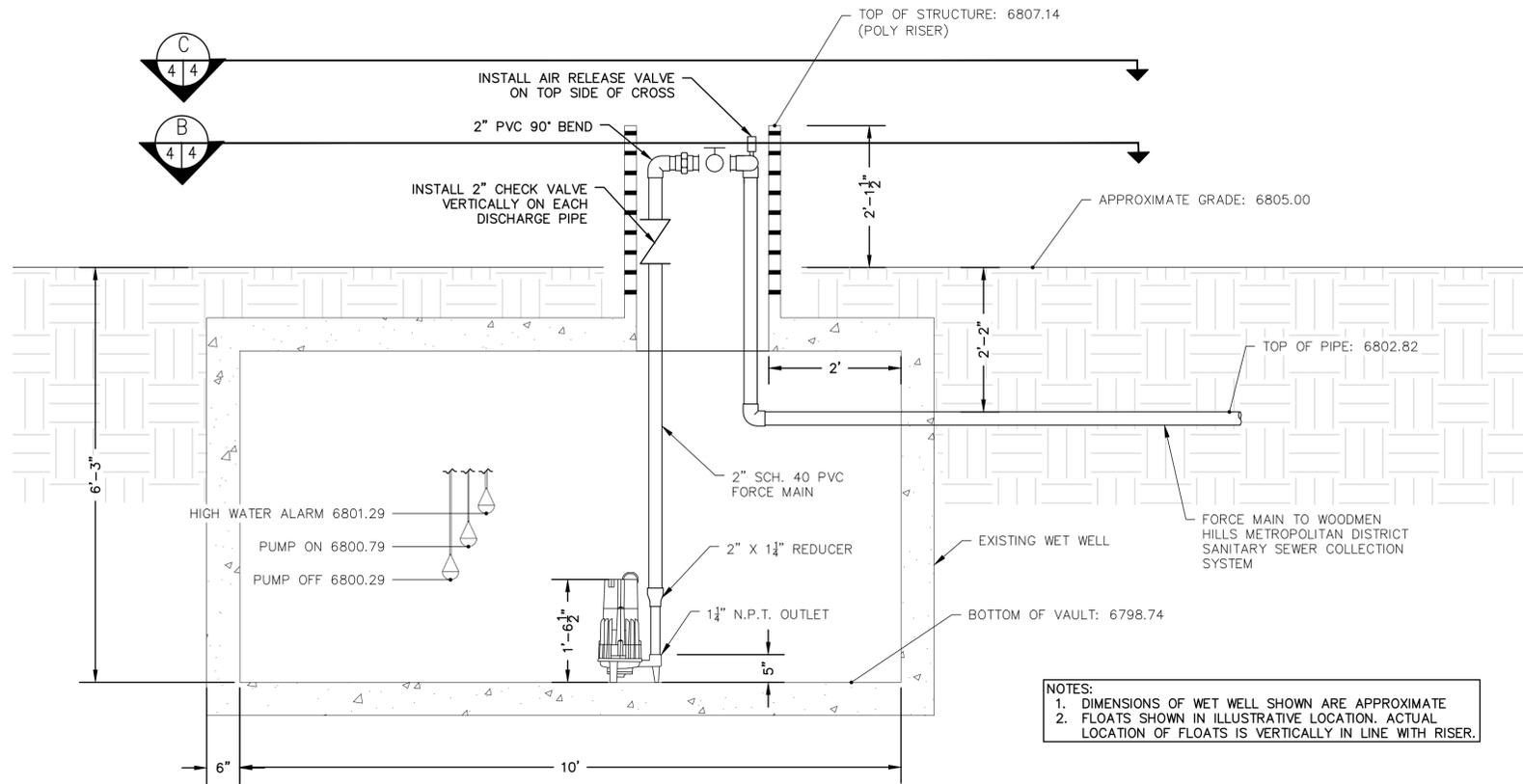
A
3 SITE SURVEY
1" = 100'

ELEMENT ENGINEERING LLC
12687 W CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80226
720.749.4165
WWW.ELEMENTENGINEERING.NET

NO	REVISIONS	DESCRIPTION	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA	AA

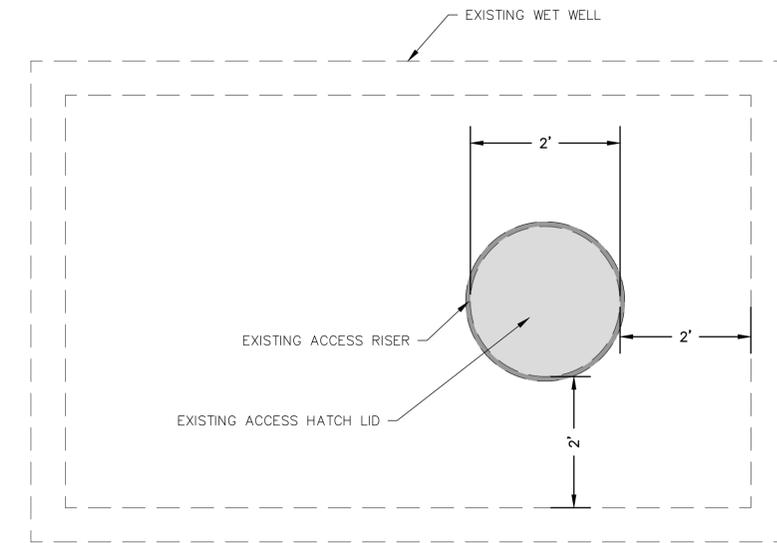
LIFT STATION - CONSOLIDATION
TOPOGRAPHICAL SURVEY
FALCON MEADOW RV CAMPGROUND
11150 HWY 24
PEYTON, CO 80831

PREPARED UNDER THE DIRECT SUPERVISION OF
FOR AND ON BEHALF OF
ELEMENT ENGINEERING, LLC
DATE: MARCH 2019
JOB NUMBER: 0055.0001
SCALE: AS SHOWN
DRAWING NAME: SURVEY
SHEET 3 OF 9



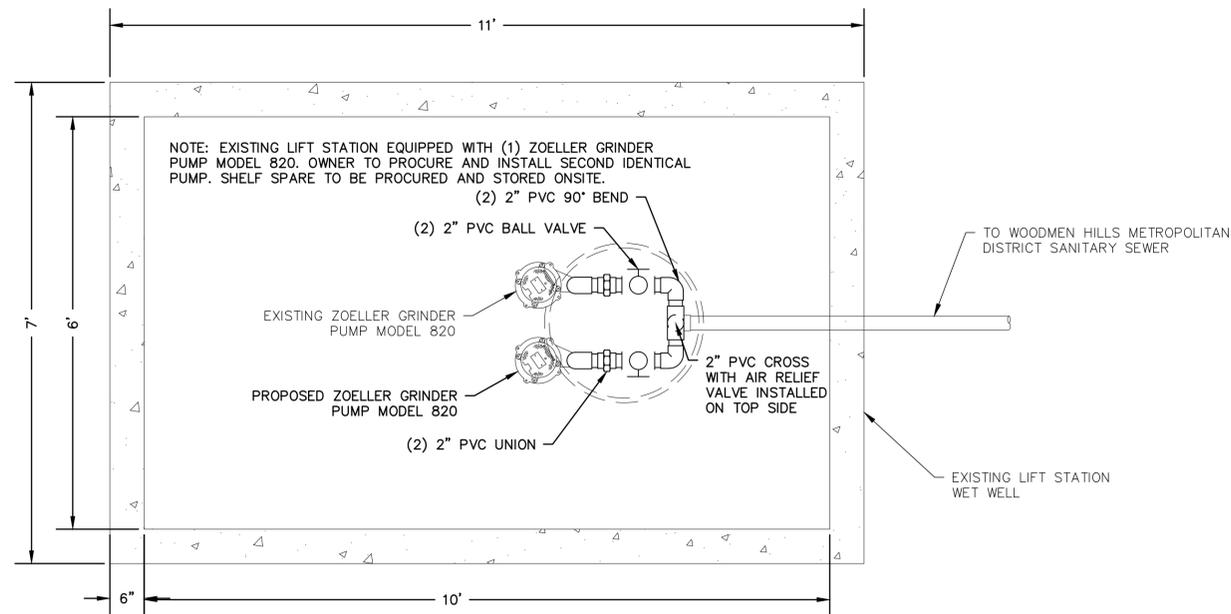
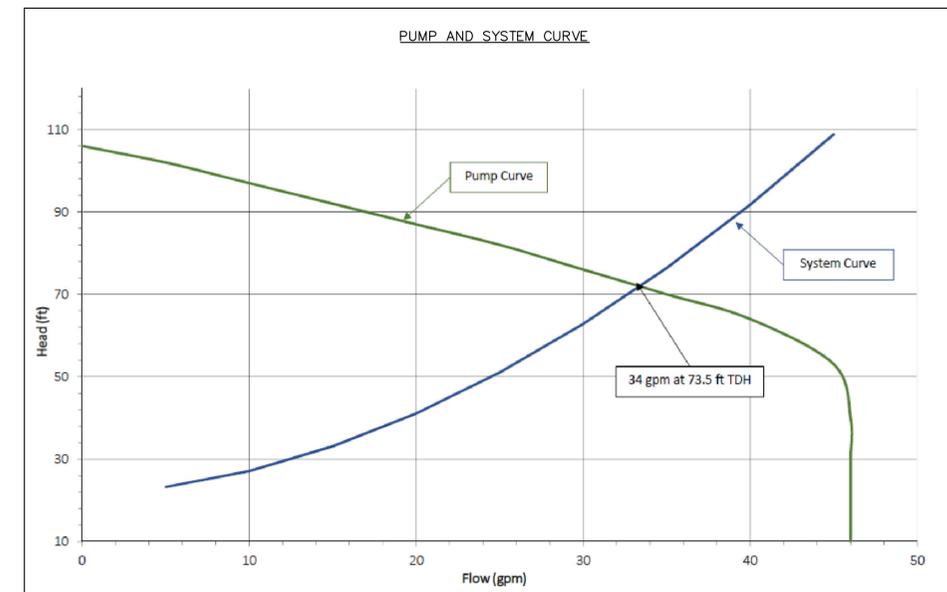
A
4 LIFT STATION PROFILE VIEW
3/4" = 1'

NOTES:
 1. DIMENSIONS OF WET WELL SHOWN ARE APPROXIMATE
 2. FLOATS SHOWN IN ILLUSTRATIVE LOCATION. ACTUAL LOCATION OF FLOATS IS VERTICALLY IN LINE WITH RISER.



C
4 LIFT STATION GRADE VIEW
3/4" = 1'

LIFT STATION DESIGN SUMMARY	
PUMP INFORMATION	ZOELLER PUMP COMPANY SHARK SERIES 820 GRINDER PUMP 2 HP, 60 HZ, 3,450 RPM
MINIMUM FLOWRATE	15.1 GPM (FUTURE PEAK HOUR)
EXPECTED OPERATING POINT	34 GPM AT 73.5 FT TDH
FORCE MAIN	2-INCH SCHD 40 PVC



B
4 LIFT STATION PLAN VIEW
3/4" = 1'

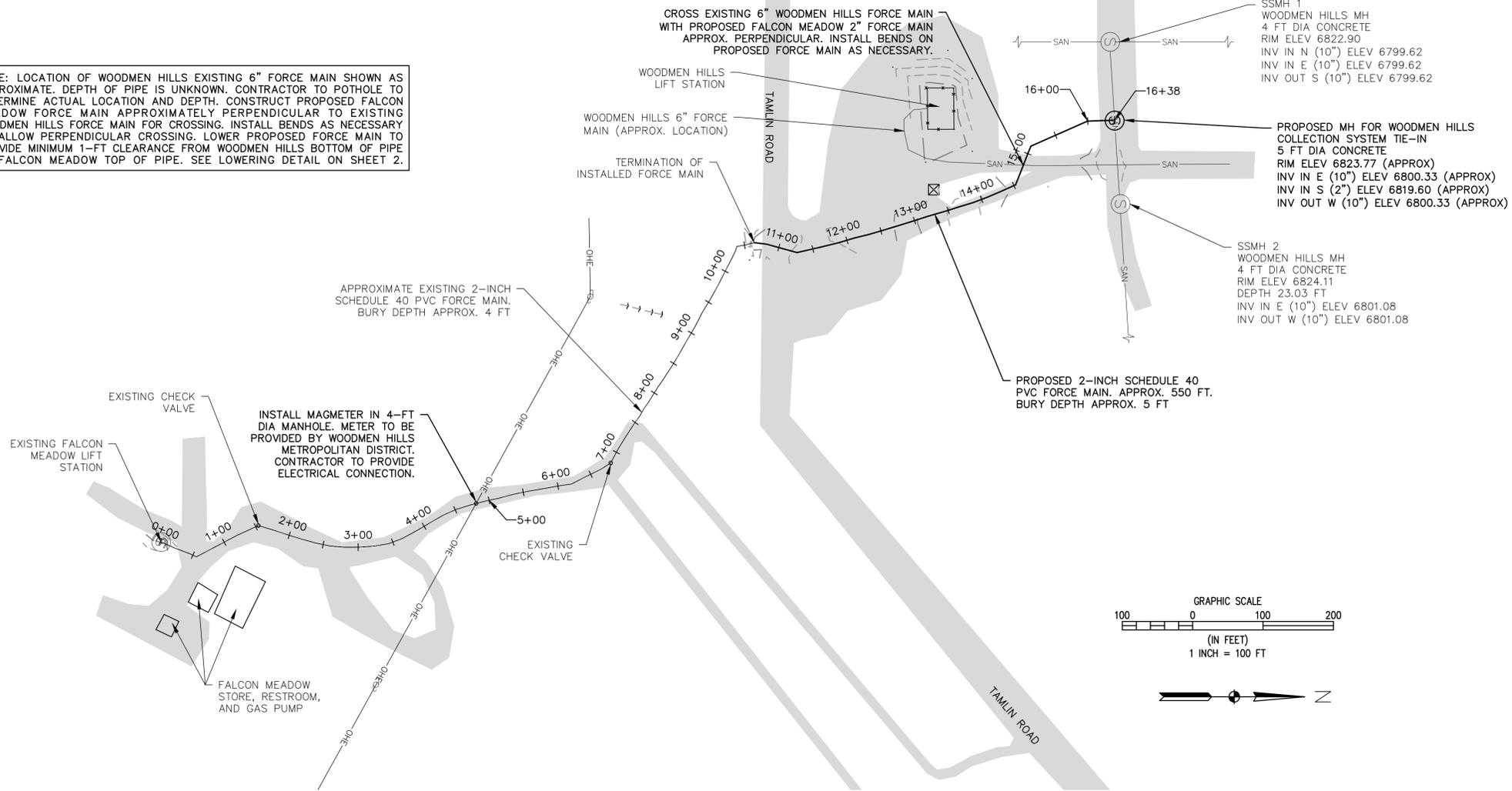
NOTE: EXISTING LIFT STATION EQUIPPED WITH (1) ZOELLER GRINDER PUMP MODEL 820. OWNER TO PROCURE AND INSTALL SECOND IDENTICAL PUMP. SHELF SPARE TO BE PROCURED AND STORED ONSITE.

NO.	REVISIONS	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA

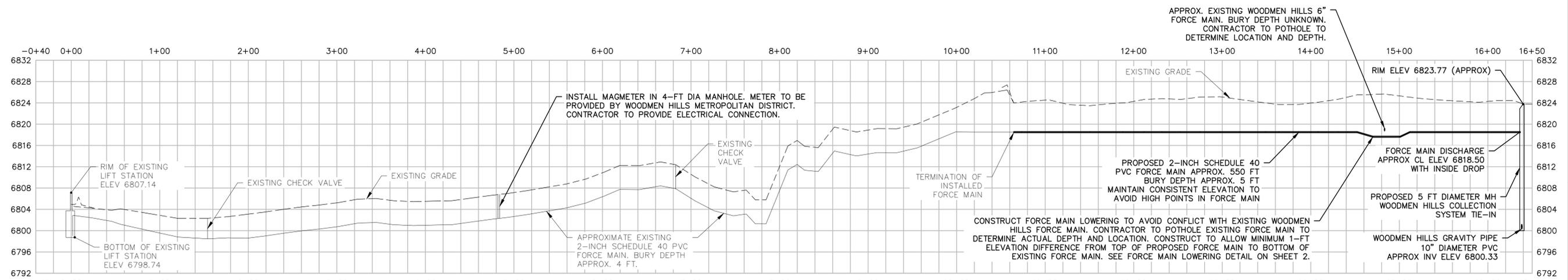
LIFT STATION - CONSOLIDATION
LIFT STATION
 FALCON MEADOW RV CAMPGROUND
 11150 HWY 24
 PEYTON, CO 80831

PREPARED UNDER THE DIRECT SUPERVISION OF
 DATE: MARCH 2019
 JOB NUMBER: 0055.0001
 SCALE: AS SHOWN
LIFT STATION
 SHEET 4 OF 9

NOTE: LOCATION OF WOODMEN HILLS EXISTING 6" FORCE MAIN SHOWN AS APPROXIMATE. DEPTH OF PIPE IS UNKNOWN. CONTRACTOR TO POTHOLE TO DETERMINE ACTUAL LOCATION AND DEPTH. CONSTRUCT PROPOSED FALCON MEADOW FORCE MAIN APPROXIMATELY PERPENDICULAR TO EXISTING WOODMEN HILLS FORCE MAIN FOR CROSSING. INSTALL BENDS AS NECESSARY TO ALLOW PERPENDICULAR CROSSING. LOWER PROPOSED FORCE MAIN TO PROVIDE MINIMUM 1-FT CLEARANCE FROM WOODMEN HILLS BOTTOM OF PIPE TO FALCON MEADOW TOP OF PIPE. SEE LOWERING DETAIL ON SHEET 2.



A
5 EXISTING AND PROPOSED FORCE MAIN PLAN
1" = 100'



HORIZ. SCALE: 1" = 60'
VERT. SCALE: 1" = 10'

B
5 EXISTING AND PROPOSED FORCE MAIN PROFILE
AS SHOWN

- NOTES:
- CUT EXISTING SANITARY SEWER PIPE PER WHMD DETAILS.
 - PROPOSED MANHOLE SHALL BE 5-FT PRECAST WITH CAST IN PLACE BASE. FIELD CORE PIPE PENETRATIONS PER WHMD DETAILS.
 - PROPOSED MANHOLE SHALL BE COATED, HAVE DOUBLE-RAMNECK INSIDE EACH JOINT, AND JOINT WRAP AROUND EACH JOINT.
 - INSTALL SEALED PVC WYE WITH CAP AND BEND TO CREATE INSIDE DROP IN PROPOSED MANHOLE (SEE DETAIL SHEET 2). EXTEND 2" SCHD 40 PVC PIPE TO BOTTOM OF MANHOLE AND INSTALL STAINLESS STEEL PIPE BRACKETS AND ANCHOR BOLTS EVERY 6-FT TO SUPPORT DOWN PIPE. EXTEND DROP PIPE INTO THE BENCH OF THE MANHOLE AND DAYLIGHT PIPE INTO A SHAPED CONCRETE TROUGH. INSTALL GROUT TO CHANNELIZE FLOW (SEE WHMD DETAIL).



NO	REVISIONS	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA

LIFT STATION - CONSOLIDATION
FORCE MAIN PLAN &
PROFILE
FALCON MEADOW RV CAMPGROUND
11150 HWY 24
PEYTON, CO 80831

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
ELEMENT ENGINEERING, LLC

DATE:
MARCH 2019

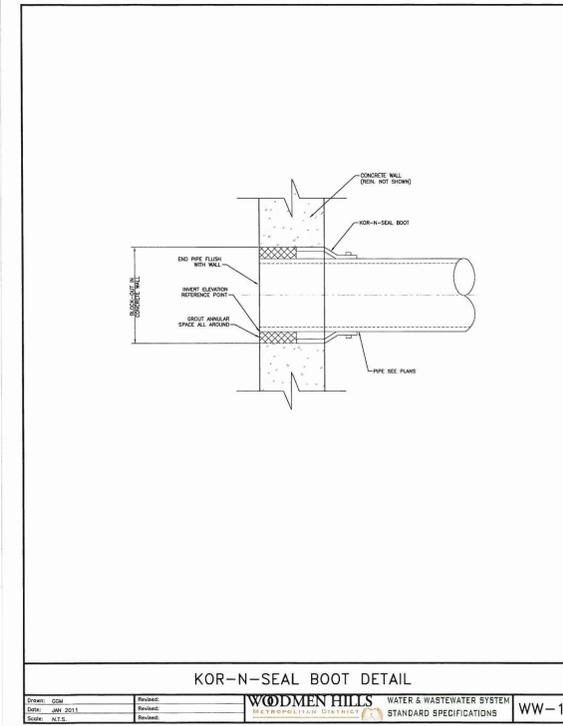
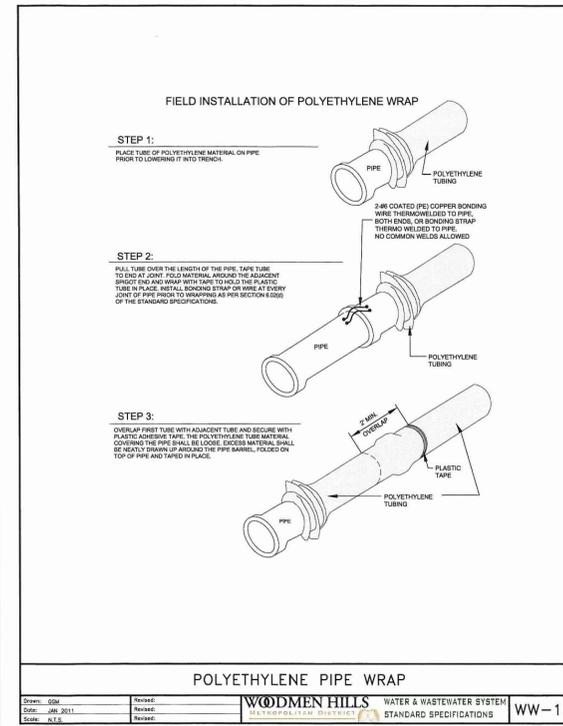
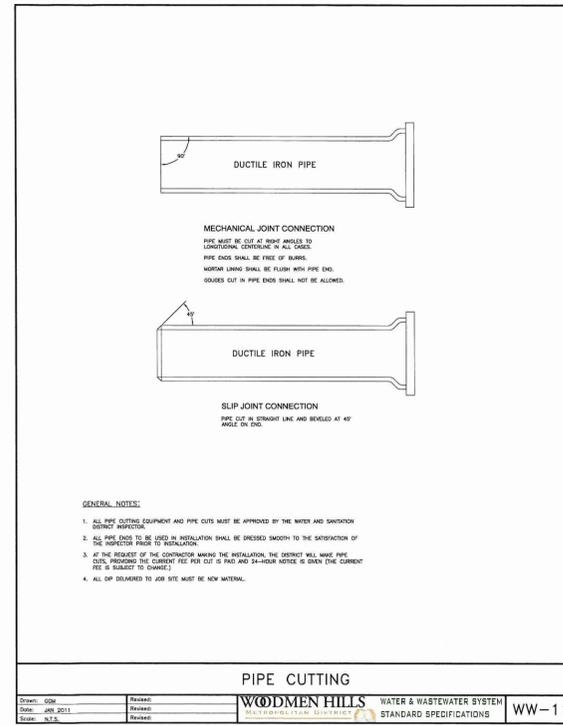
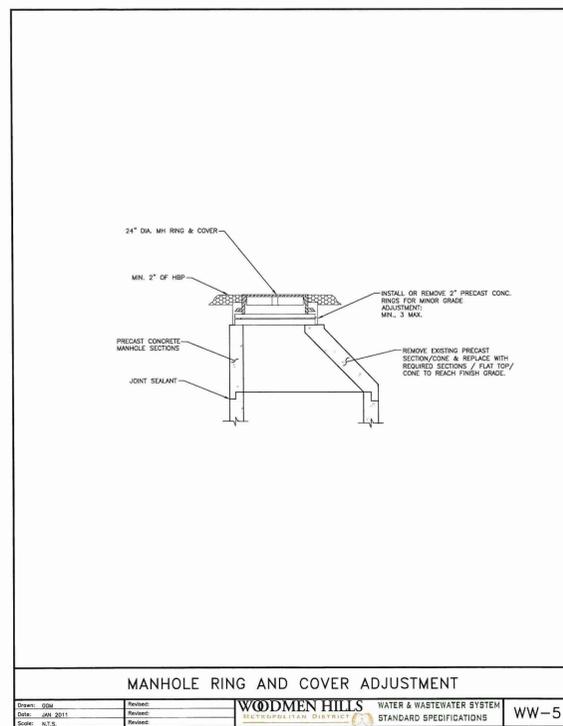
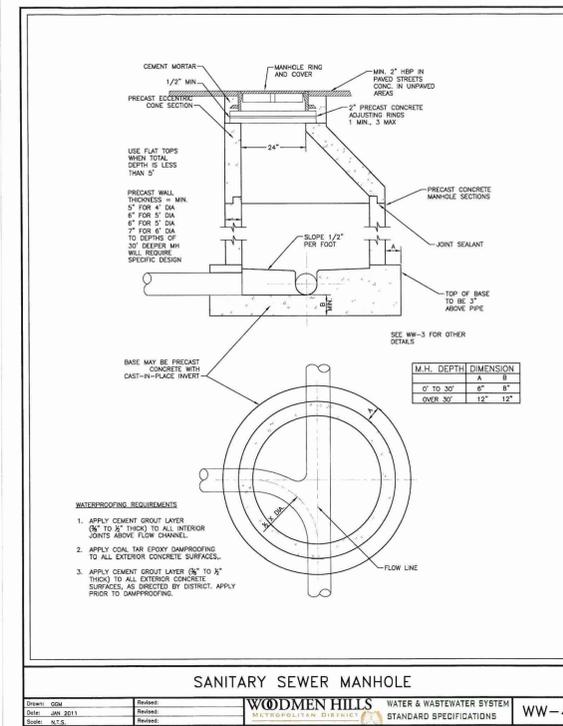
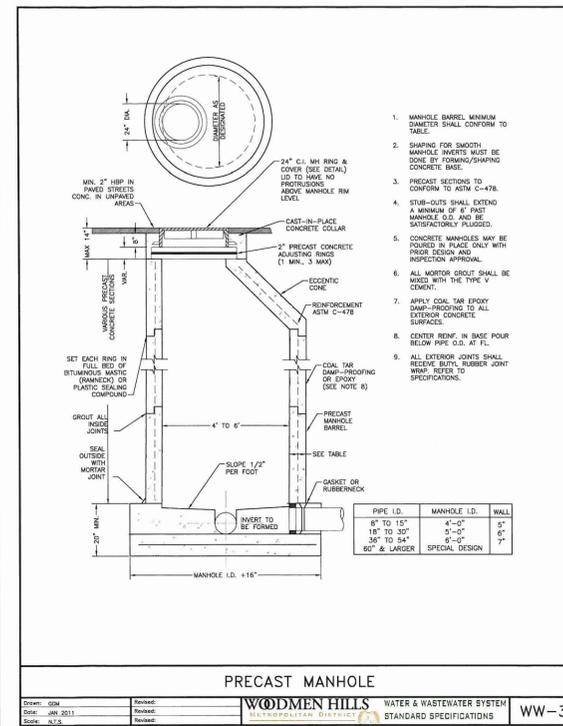
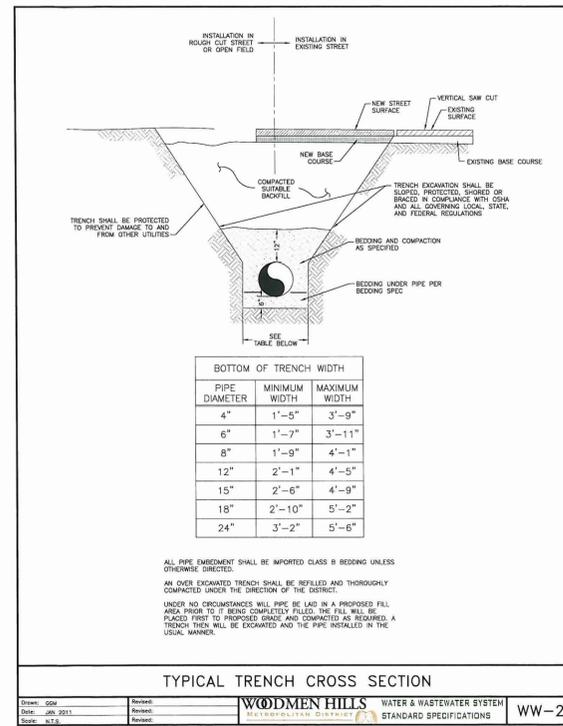
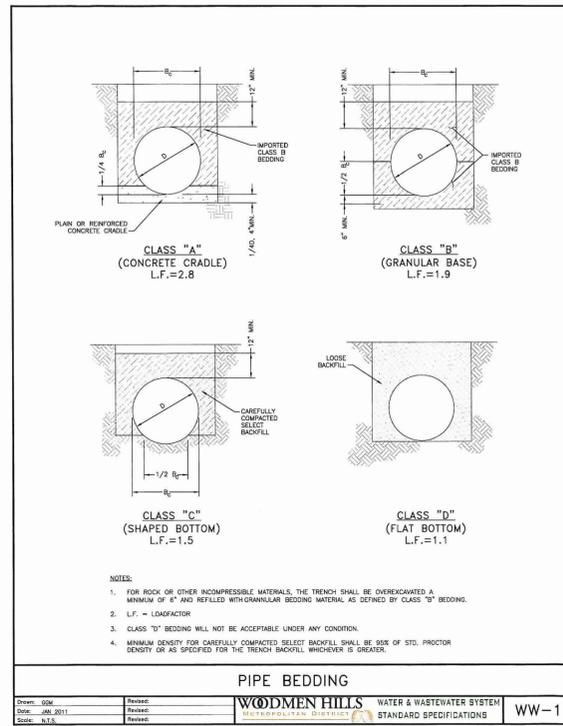
JOB NUMBER:
0055.0001

SCALE:
AS SHOWN

DRAWING NAME:
P & P

SHEET
5 OF 9

NOTE: ALL CONSTRUCTION OF INFRASTRUCTURE THAT WILL BE PART OF THE WOODMEN HILLS METROPOLITAN DISTRICT'S COLLECTION SYSTEM SHALL ABIDE BY THE CURRENT WOODMEN HILLS METROPOLITAN DISTRICT WATER AND WASTEWATER SYSTEM STANDARD SPECIFICATIONS



ELEMENT ENGINEERING LLC
 720.749.4165
 WWW.ELEMENTENGINEERING.NET

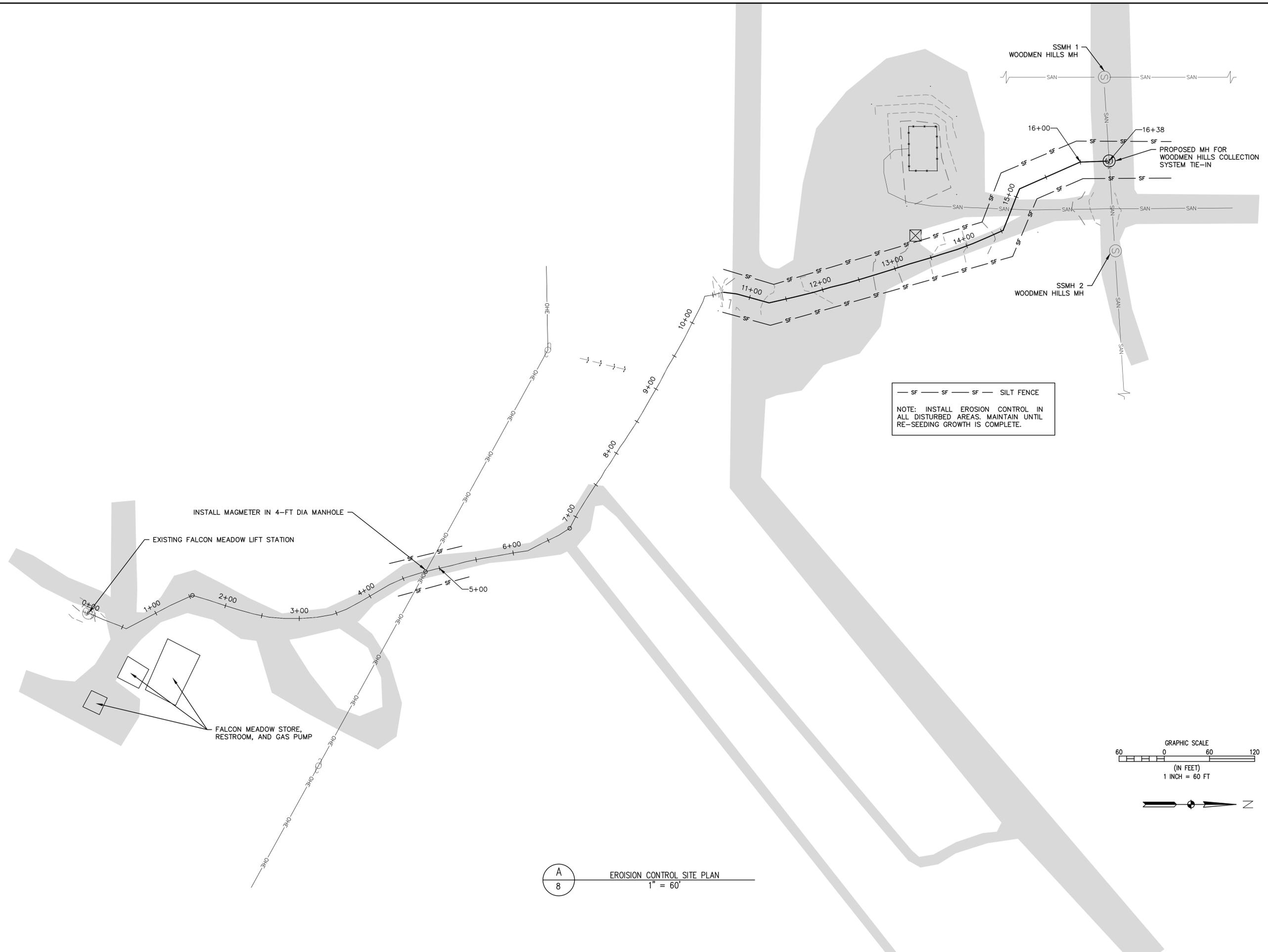
12687 W. CEDAR DRIVE, SUITE 300
 LAKEWOOD, CO 80226

NO	REVISIONS	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA

LIFT STATION - CONSOLIDATION
 WOODMEN HILLS
 DETAILS
 FALCON MEADOW RV CAMPGROUND
 11150 HWY 24
 PEYTON, CO 80831

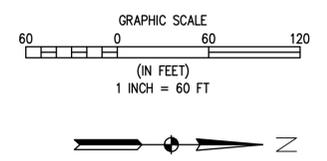
FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC

DATE: MARCH 2019
 JOB NUMBER: 0055.0001
 SCALE: NTS
 DRAWING NAME: WHMD DET
 SHEET: 7 OF 9



— SF — SF — SF — SILT FENCE

NOTE: INSTALL EROSION CONTROL IN ALL DISTURBED AREAS. MAINTAIN UNTIL RE-SEEDING GROWTH IS COMPLETE.



A
8

EROISION CONTROL SITE PLAN
1" = 60'

NO	REVISIONS	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA

LIFT STATION - CONSOLIDATION

EROISION CONTROL SITE PLAN

FALCON MEADOW RV CAMPGROUND
11150 HWY 24
PEYTON, CO 80831

PREPARED UNDER THE DIRECT SUPERVISION OF

DATE	MARCH 2019
JOB NUMBER	0055.0001
SCALE	AS SHOWN
DRAWING NAME	EROISION
SHEET	8 OF 9

STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

GENERAL NOTES

1. THE APPROVED EROSION CONTROL PLAN SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF THIS PROJECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION.
3. A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT PLAN BEST MANAGEMENT PRACTICES (BMPs) IS RECOMMENDED EVERY FOURTEEN (14) DAYS AND AFTER ANY PRECIPITATION OR SNOW MELT EVENT.
4. PERIODIC INSPECTIONS SHALL ALSO INCLUDE INSPECTING EQUIPMENT FOR LEAKS AND REVIEWING EQUIPMENT MAINTENANCE PRACTICE. ALL INSPECTIONS AND MAINTENANCE SHALL BE DOCUMENTED BY THE PROJECT EROSION CONTROL SUPERVISOR AND MADE AVAILABLE TO THE OWNER AND COPHE UPON REQUEST. ANY EROSION CONTROL BMP THAT HAS BEEN COMPROMISED OR HAS BEEN DISTURBED SHALL BE REPLACED OR RECONSTRUCTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL EROSION CONTROL BMPs IN PLACE AND EFFECTIVE PRIOR TO A STORM EVENT.
5. THE STORMWATER MANAGEMENT PLAN LOG BOOK SHALL BE UPDATED EVERY FOURTEEN (14) DAYS. THIS LOG SHALL REMAIN ON SITE AVAILABLE FOR REVIEW BY SAGUACHE COUNTY AND COPHE UPON REQUEST UNTIL AN INACTIVATION NOTICE FOR CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT CERTIFICATION HAS BEEN OBTAINED. MAINTENANCE ACTIVITIES TO CORRECT PROBLEMS NOTED DURING INSPECTIONS MUST BE DOCUMENTED AND KEPT IN THE STORMWATER MANAGEMENT PLAN LOG BOOK.
6. ALL STREETS WITHIN AND IMMEDIATELY SURROUNDING A CONSTRUCTION SITE SHALL BE CLEANED OF DIRT AND DEBRIS ON A WEEKLY BASIS. STREETS SHALL BE CLEANED BY SCRAPING AND SWEEPING THE DIRT OFF THE ROADWAYS. SCRAPED OR SWEEPED MATERIAL SHALL NOT BE DEPOSITED IN THE STORM SEWER SYSTEM. DIRT TRACKED ONTO ROADWAYS AND OTHER PAVED SURFACES SHALL BE CLEANED UP BY THE END OF THE WORKDAY.
7. ALL CONSTRUCTION SITE OPERATORS SHALL CONTROL WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, HAZARDOUS CHEMICALS (TO INCLUDE BUT NOT LIMITED TO HEAVY EQUIPMENT MAINTENANCE FLUIDS, MOTOR OIL, ANTI-FREEZE AND VEHICLE FUEL), LITTER, AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO STORMWATER QUALITY.
8. ALL POTENTIAL POLLUTION SOURCES ON-SITE SHALL BE IDENTIFIED AND CONTROL MEASURES INSTALLED AND PRACTICED TO MINIMIZE THE LIKELIHOOD OF A RELEASE. REFER TO THE SPILL PREVENTION, CONTROL, AND COUNTERMEASURE (SPCC) PLAN FOR MEASURES TO RESPOND TO ANY SPILLS, LEAKS OR OTHER RELEASES.
9. ALL PORTABLE TOILET FACILITIES SHALL BE LOCATED AWAY FROM GUTTERS, INLETS DITCHES, DRAINAGEWAYS, RECEIVING WATERS AND AREAS SUSCEPTIBLE TO FLOODING OR DAMAGE BY CONSTRUCTION EQUIPMENT.
10. ALL PORTABLE TOILET FACILITIES SHALL BE SECURED IN PLACE BY STAKES INTO THE GROUND TO PREVENT TIPPING.
11. STOCKPILES INCLUDING LANDSCAPING MATERIALS, EARTH MATERIALS AND DIRT FROM GRADING OR EXCAVATION SHALL NOT BE LOCATED ADJACENT TO WATERWAYS; SHALL BE STABILIZED WITHIN FOURTEEN (14) DAYS OF ESTABLISHMENT BY SURFACE ROUGHENING, SEEDING, AND MULCHING; AND SHALL NOT EXCEED TEN FEET IN HEIGHT.
12. SLOPES 3:1 OR STEEPER SHALL BE PROTECTED WITH BIODEGRADABLE EROSION CONTROL BLANKETS.
13. ALL MATERIAL IMPORTED TO OR EXPORTED FROM THE SITE SHALL BE PROPERLY COVERED TO PREVENT THE LOSS OF MATERIAL DURING TRANSPORT. HAUL ROUTES MUST BE PRE-APPROVED BY THE COUNTY. NO MATERIAL SHALL BE TRANSPORTED TO ANOTHER SITE WITHOUT FIRST OBTAINING A HAULING PERMIT FROM THE OWNER.
14. THE CONCRETE WASHOUT CONTAINMENT STRUCTURE SHALL CONTAIN ALL WASHOUT WATER. STORMWATER SHALL NOT CARRY WASTES FROM WASHOUT LOCATION.
15. THE CONCRETE WASHOUT CONTAINMENT STRUCTURE SHALL BE LOCATED A MINIMUM OF FIFTY (50) FEET HORIZONTAL FROM WATERS OF THE STATE. THE CONCRETE WASHOUT CONTAINMENT STRUCTURE SHALL BE SIGNED AS - CONCRETE WASHOUT.
16. PERMANENT SOIL STABILIZATION MEASURES SHALL BE APPLIED WITHIN FOURTEEN (14) DAYS TO DISTURBED AREAS IN WHICH FINAL GRADE IS COMPLETED.

BMP MAINTENANCE NOTES

1. IT IS ANTICIPATED THAT THE BMPs IMPLEMENTED AT THE SITE WILL HAVE TO BE MODIFIED TO ADAPT TO CHANGING CONDITIONS OR TO ENSURE THAT POTENTIAL POLLUTANTS ARE BEING PROPERLY MANAGED AT THE SITE.
2. ALL INLET/OUTLET PROTECTIONS WILL BE CHECKED FOR MAINTENANCE AND FAILURE. SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF ONCE IT HAS ACCUMULATED TO HALF THE DESIGN OF THE TRAP.
3. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE EMPLOYED. MANUFACTURE'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.
4. EACH CONCRETE TRUCK OPERATOR SHALL BE AWARE OF THE DESIGNATED CONCRETE WASHOUT AREA.
5. THE CONTRACTOR SHALL CHECK THE CAPACITY FOR ALL CONCRETE WASHOUT AREAS. WASTE MATERIALS MUST BE REMOVED BY THE CONTRACTOR AND LEGALLY DISPOSED OF WHEN ACCUMULATIONS AMOUNT TO TWO-THIRDS OF THE WET STORAGE CAPACITY OF THE STRUCTURE.
6. ALL CONCRETE WASHOUT AREAS SHALL BE CLEARLY MARKED. THE CONCRETE WASHOUT CONTAINMENT DETAIL WILL INCLUDE ORANGE PLASTIC CONSTRUCTION FENCING OR EQUIVALENT AROUND THE WASHOUT STRUCTURE AND A SIGN POSTED WITH THE WORDS "CONCRETE WASHOUT".
7. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
8. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT AN APPROVED WASTE SITE.
9. ALL SEDIMENT SHALL BE REMOVED UPON INITIAL ACCEPTANCE FROM TEMPORARY SEDIMENT BASINS AND STORM SEWER FACILITIES, I.E., PIPES, OUTLETS AND INLETS. THIS SEDIMENT SHALL NOT BE FLUSHED OFF-SITE, BUT SHALL BE CAPTURED ON-SITE AND DISPOSED OF AT AN APPROVED LOCATION.
10. 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.
11. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
12. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

SILT FENCE INSTALLATION NOTES

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

SILT FENCE MAINTENANCE NOTES

1. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
2. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
3. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
4. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED, AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

ROCK SOCK MAINTENANCE NOTES

1. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, OR DAMAGED BEYOND REPAIR.
2. SEDIMENT ACCUMULATED UPSTREAM OF ROCK SOCKS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE ROCK SOCK.
3. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
4. WHEN ROCK SOCKS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED, AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

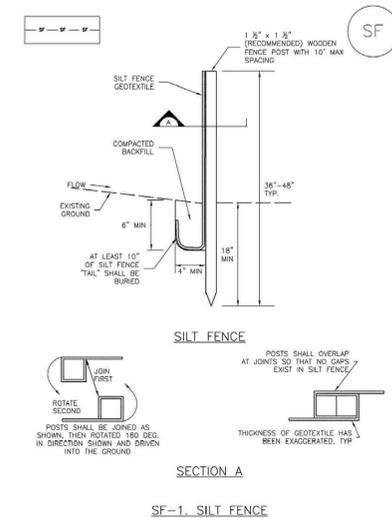
STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR
 - 1.1. LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S)
 - 1.2. TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM)
2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
5. A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

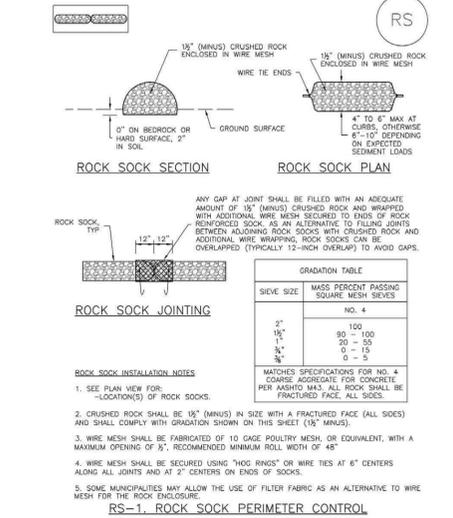
1. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
2. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

Silt Fence (SF) SC-1



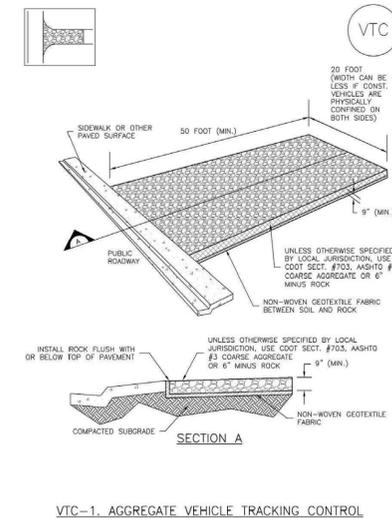
November 2010 Urban Drainage and Flood Control District SF-3
Urban Storm Drainage Criteria Manual Volume 3

SC-5 Rock Sock (RS)



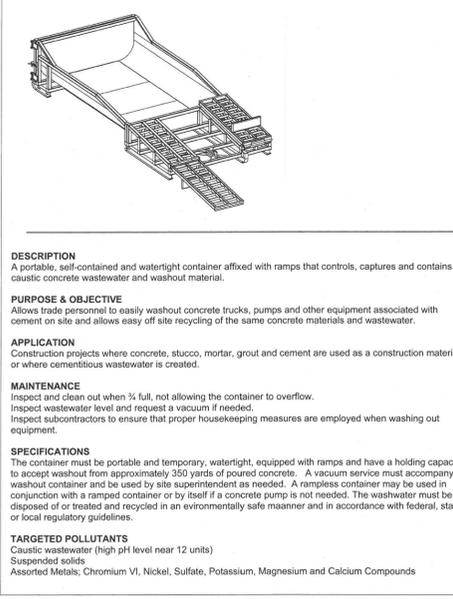
RS-2 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3

Vehicle Tracking Control (VTC) SM-4



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

PORTABLE CONCRETE WASHOUT CONTAINER



NO.	REVISIONS	DATE	BY
1	MODIFY TO TWO PUMPS	5/19	AA
2	ADD EROSION CONTROL SITE PLAN	7/19	AA

LIFT STATION - CONSOLIDATION	EROSION CONTROL DETAILS	FALCON MEADOW RV CAMPGROUND 11150 HWY 24 PEYTON, CO 80831
------------------------------	-------------------------	---

FOR AND ON BEHALF OF ELEMENT ENGINEERING, LLC	DATE MARCH 2019
JOB NUMBER 0055.0001	SCALE NTS
DRAWING NAME EROSION	SHEET 9 OF 9