

UTILITY CONTACTS:

WATER – MERIDIAN SERVICE METROPOLITAN DISTRICT POC: KEVIN FACKERELL (719)–495–6567	GAS – BLACK HILLS ENERGY (719)–393–6625
SANITARY SEWER – MERIDIAN SERVICE METROPOLITAN DISTRICT POC: BRADEN McCORRY (719)–495–6567	ELECTRIC – MOUNTAIN VIEW ELECTRIC ASSOC. (719)–495–2283
DRAINAGE – EL PASO COUNTY PCD/INSPECTIONS (719)–520–6300	GEOTECHNICAL ENGINEER – ENTECH ENGINEERING, INC. (719)–531–5599
DRAINAGE – MERIDIAN SERVICE METROPOLITAN DISTRICT POC: TOM KERBY (719)–495–7444	FALCON FIRE PROTECTION DISTRICT (719) 495–4050

GAS – BLACK HILLS ENERGY
(719)–393–6625

ELECTRIC - MOUNTAIN VIEW ELECTRIC ASSOC.
(719)-495-2283

GEOTECHNICAL ENGINEER – ENTECH ENGINEERING, INC.
(719)-531-5599

FALCON FIRE PROTECTION DISTRICT
(719) 495-4050

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATING CENTER PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1, RECORDED WITH
RECEPTION NO. 215713659.

IMPROVEMENT PLANS
PREPARED FOR GTL, INC. DBA GTL DEVELOPMENT, INC.

A map of the Meridian Ranch area. The ranch is centrally located and outlined. Surrounding roads include Goodwin Road to the northwest, Rex Road to the north, Meridian Road to the west, Eastonville Road to the northeast, and Stapleton Dr to the southwest. Landmarks include Paint Brush Hills to the west, Woodmen Hills to the south, and Falcon High School to the east. A 'PROPOSED SITE' is marked with a red dot and an arrow near Stapleton Dr. A compass rose is in the bottom left corner, and Highway 24 is shown in the bottom right corner.

SHEET NO	SHEET INDEX
C1.0	COVER SHEET
C1.1	GENERAL NOTES
C1.2—C1.4	DETAIL SHEETS
C2.0	EXISTING CONDITIONS
C3.0	EROSION CONTROL
C4.0—C4.1	HORIZONTAL CONTROL & PAVING
C5.0	GRADING PLAN
C6.0	SANITARY SEWER PLAN
C7.0	WATER PLAN
C8.0	STORM SEWER PLAN

[illegible]

TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
TELEPHONE: 719.495.7444
FAX: 719.495.2457



LOT 4, THE SHOPS AT MERIDIAN
RANCH FILING NO. 1

COVER SHEET

Checked by
TAK

Date MARCH 2019

SHEET

C1.0

BASIS OF BEARINGS FOR THIS DESCRIPTION IS THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 29, T12S, R64W OF THE 6TH P.M., WHICH IS ASSUMED TO BEAR S89°25'42"E FROM THE SOUTHWEST CORNER OF SECTION 29 (A STONE W/SCRIBED "X") TO THE SOUTH QUARTER CORNER OF SECTION 29 (3.25" ALUM. CAP LS 30087).

MILTON GABRIELSKI, PRESIDENT
MERIDIAN SERVICE METROPOLITAN DISTRICT

1) MRRC1 - 3 1/4" ALUMINUM CAP ON NO.6 REBAR LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF LONDONDERRY DRIVE AND ANGELES ROAD. LOCATED AT THE SE CORNER OF THE MERIDIAN RANCH RECREATIONAL CENTER SIGN. ELEVATION = 7098.40'

2) MRMS1 - 3 1/4" ALUMINUM CAP ON NO.6 REBAR LOCATED ON THE WEST SIDE OF RAINBOW BRIDGE DRIVE 1,150 FEET NORTH OF LONDONDERRY DRIVE. LOCATED NEAR THE BACK OF SIDE WALK AT THE NW CORNER OF RAINBOW BRIDGE DRIVE AND THE NORTHERLY ENTRANCE TO MERIDIAN RANCH ELEMENTARY SCHOOL (10480 RAINBOW BRIDGE DRIVE). ELEVATION = 7099.73'

DEVELOPERS STATEMENT:

THE UNDERSIGNED DEVELOPER HAS READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE CONSTRUCTION PLANS AND THE ACCOMPANYING DRAINAGE REPORT.

RAUL GUZMAN, VICE PRESIDENT
GTL DEVELOPMENT, INC.

OWNERS STATEMENT:

THE UNDERSIGNED OWNER HAS READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE CONSTRUCTION PLANS AND THE ACCOMPANYING DRAINAGE REPORT.

RAUL GUZMAN, VICE PRESIDENT
SHOPS AT MERIDIAN RANCH, LLC.

DESIGN ENGINEER'S STATEMENT:

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

THOMAS A. KERBY, P.E. #31429

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, 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 BEEN STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES ET THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JENNIFER IRVINE, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE _____



OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

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<div>METROPOLITAN DISTRICT GENERAL UTILITY NOTES FOR MERIDIAN SERVICE METROPOLITAN DISTRICT LAST MODIFIED JANUARY 20, 2017 MSMD BOARD APPROVED: FEBRUARY 1, 2017</div>	
GENERAL NOTES	
1. MERIDIAN SERVICE METROPOLITAN DISTRICT (MSMD) CONTACT TELEPHONE NUMBERS: ON SITE OFFICE 719-495-6567. MANAGEMENT COMPANY, IN CARE OF CRS OF COLORADO, LLC 303-381-4965.	
2. ALL SANITARY SEWER, POTABLE WATER, RECLAIMED WATER, RAW WATER AND STORM DRAIN SYSTEMS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CURRENT MERIDIAN SERVICE METROPOLITAN DISTRICT (MSMD) SPECIFICATIONS. MSMD SPECIFICATIONS HEREINAFTER SHALL BE CONSISTENT WITH THE COLORADO SPRINGS UTILITIES SPECIFICATIONS (CSUS) FOR WASTEWATER LINE EXTENSION & SERVICE STANDARDS, 2010 EDITION AND THE WATER LINE EXTENSION & SERVICE STANDARDS, 2014 EDITION, UNLESS OTHERWISE NOTED AND APPROVED.	
3. ALL PLANS ON THE JOB SITE SHALL BE SIGNED AND APPROVED BY MSMD AND MSMD'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE APPROVED BY MSMD AND MSMD'S ENGINEER AND SO NOTED ON THE PLANS.	
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY MSMD. MSMD RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO MSMD STANDARDS AND SPECIFICATIONS.	
5. ALL PIPE MATERIAL, BACKFILL, AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT, COLORADO SPRINGS UTILITIES, MSMD, DISTRICT ENGINEER AND THE SOILS ENGINEER.	
6. ALL UTILITY TRENCH BACKFILL SHALL BE PLACED PER THE APPROVED SOILS REPORT RECOMMENDATIONS AND UNDER THE DIRECTION OF THE SOILS ENGINEER. TRENCH BACKFILL SHALL BE MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF OPTIMUM AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D 1557) OR HIGHER STANDARD AS REQUIRED BY THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT OR THE SOILS ENGINEER RECOMMENDATION. THIS SHALL INCLUDE ALL MAIN LINE, VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES, CLEAN OUTS, INLET BOXES, MANHOLES, ETC. A QUALIFIED SOILS ENGINEER SHALL OBSERVE AND TEST THE BACKFILL AND COMPACTION OF ALL TRENCHES AND ALL REPORTS SHALL BE SUBMITTED TO MSMD FOR REVIEW AND APPROVAL.	
7. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVEGROUND AND UNDERGROUND) WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT THE REVISIONS OF THE CONSTRUCTION DRAWINGS IF IT IS FOUND THAT THE ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK.	
8. ALL WATER AND SANITARY SEWER SERVICE LATERAL LOCATIONS SHALL BE CLEARLY MARKED BY STAMPING AN 'S' FOR SEWER AND A 'W' FOR WATER ON THE CURB FACE AT EACH SERVICE LATERAL LOCATION. ALL SLEEVE LOCATIONS SHALL BE CLEARLY MARKED BY STAMPING AN 'X' ON THE CURB FACE. ALL PRIVATE IRRIGATION SLEEVES SHALL BE MARKED BY STAMPING AN 'I' ON THE TOP OF THE SIDEWALK.	
9. BENDS, DEFLECTIONS & 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.	
10. AT ALL LOCATIONS 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 AND BLOW OFFS.	
11. ALL EXISTING UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED IN PLACE AND FUNCTION CONTINUOUSLY DURING ALL CONSTRUCTION OPERATIONS. UTILITY MAINS SHALL BE DAMAGED AS A RESULT OF THE CONSTRUCTION OPERATION. IT SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR PER ALL MSMD SPECIFICATIONS. IN THE EVENT THE CONTRACTOR CANNOT IMMEDIATELY MAKE THE REPAIRS TO THE FAILED OR DAMAGED MSMD UTILITY TO THE SATISFACTION OF MSMD, MSMD MAY REPAIR OR CAUSE THE REPAIR AND BACK CHARGE ALL SUCH COSTS TO THE CONTRACTOR.	
12. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY AND ALL DAMAGE CAUSED BY THE CONTRACTOR DURING CONSTRUCTION ACTIVITIES TO ALL ABOVE OR BELOW GROUND IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB, GUTTER, SIDEWALK, ASPHALT, ELECTRIC SYSTEMS, GAS SYSTEMS, TELEPHONE/TELEVISION SYSTEMS, ETC.	
13. A PRECONSTRUCTION CONFERENCE MEETING SHALL BE HELD AT THE PROJECT SITE A MINIMUM OF 7 DAYS BEFORE CONSTRUCTION BEGINS AND SHALL BE ATTENDED BY ALL REPRESENTATIVES RESPONSIBLE FOR CONSTRUCTION, INSPECTION, SUPERVISION, TESTING AND ALL OTHER ASPECTS OF THE PROJECT. MSMD 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 FOR SCHEDULING. THE CONTRACTOR SHALL SCHEDULE BI-WEEKLY CONSTRUCTION MEETINGS AT THE PROJECT SITE OR MORE FREQUENTLY AS DEEMED NECESSARY BY MSMD.	
14. PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN TIME THAT MSMD ACCEPTS THE FACILITY FOR USE AND ALL SURFACE IMPROVEMENTS AND RESTORATIONS ARE COMPLETED.	
15. FINAL ACCEPTANCE BY MSMD OF ANY UTILITY 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 SHALL BE 12 MONTHS COMMENCING WITH FINAL ACCEPTANCE. MSMD MAY REQUIRE RETESTING OF THE UTILITY SYSTEM PRIOR TO FINAL ACCEPTANCE.	
16. INSPECTION FEES: CALL MSMD FOR FEE SCHEDULE.	
17. ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE A MINIMUM EIGHT INCH DIAMETER WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS AND EXITS THE PROPERTY AND A MINIMUM EIGHT INCH SANITARY SEWER MAIN WITH A MANHOLE IN THE STREET WHERE THE MAIN ENTERS THE PROPERTY. THE EXTENT OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATELY COLORED CARSONITE MARKERS AND TRACER WIRE.	
18. AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES, AND/OR SERVICES, CONSTRUCTION MUST BE COMPLETED WITHIN 18 MONTHS OF THE DATE OF FINAL ACCEPTANCE. IF THE CONSTRUCTION IS NOT COMPLETED WITHIN 18 MONTHS, THE PROJECT SHALL BE RE-SUBMITTED TO MSMD FOR REVIEW (WITH NEW FEES PAID) AND APPROVAL.	
19. PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY MSMD AND THE ENGINEER OF RECORD PRIOR TO EXECUTION.	
20. ANY FACILITIES OUTSIDE OF PAVED ROADS MUST BE MARKED APPROPRIATELY WITH CARSONITE MARKERS AT EACH VALVE, MANHOLE, TEST STATION, AND ANY OTHER FACILITIES MSMD DEEMS NECESSARY.	
SANITARY SEWER NOTES	
21. SANITARY SEWER MANHOLES WITH ONE ENTRANCE PIPE SHALL BE A MINIMUM OF FOUR (4) FOOT IN DIAMETER, ALL OTHERS SHALL BE A MINIMUM OF FIVE (5) FOOT IN DIAMETER. ALL MANHOLE JOINT EXTERIORS SHALL BE WRAPPED WITH MINIMUM 12" WIDE CS-222 APPLIED OVER APPROPRIATE MSMD APPROVED JOINT PRIMER. THE WHOLE EXTERIOR OF THE MANHOLES SHALL BE COATED WITH CONCRETE WATER PROOFING TAR APPLIED PER CSUS.	
22. ALL SANITARY SEWER MAINS, SANITARY SEWER LATERALS, AND WATER MAIN PIPES (PVC & DUCTILE IRON) SHALL BE INSTALLED WITH COATED 12 GAUGE U.F. TRACER WIRE PER MSMD SPECIFICATIONS. SANITARY SEWER TRACER WIRE SHALL BE EXTENDED INTO THE MANHOLES AND WRAPPED AROUND THE TOP STEP OF THE MANHOLE AND EXTENDED TO EACH SANITARY SEWER LATERAL. 2" X 4" MARKER AS NOTED BELOW (NOTE 26 AND 28). EXTEND TRACER WIRE TO THE TOP OF WATER VALVE BOXES A MINIMUM OF EVERY 500 FEET.	
23. TESTING OF FACILITIES: a. THE CONTRACTOR SHALL NOTIFY MSMD A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING TO ALLOW MSMD STAFF TO BE PRESENT AT ALL TIMES DURING TESTING. ALL TESTING SHALL BE PER MSMD SPECIFICATIONS OR CSUS, WHICHEVER IS GREATER. b. ALL SANITARY SEWER FACILITIES SHALL MEET THE FOLLOWING TESTING REQUIREMENTS: - ALL SANITARY SEWER MAIN SHALL BE PRESSURE TESTED PER CSUS. - ALL SEWER MAIN SHALL BE PROPERLY BALLED/MANDRILL. - ALL SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED PER CSUS. - ALL SANITARY SEWER MAINS SHALL BE COATED WITH COATED 12 GAUGE U.F. TRACER WIRE. TWO VIDEOS ON DVDS SUBMITTED TO MSMD FOR REVIEW AND APPROVAL. ALL SANITARY SEWER MAINS SHALL BE JET CLEANED AND FLUSHED DIRECTLY PRIOR TO CCTV INSPECTION WITH RUNNING WATER IN THE SANITARY SEWER MAIN DURING THE CCTV INSPECTION. SANITARY SEWER MAINS THAT DO NOT MEET MSMD STANDARDS AS NOTED SHALL BE REPLACED AND/OR REPAIRED AS NECESSARY AND RE-TESTED. c. DOWNSTREAM PLUG CAN BE REMOVED ONCE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET.	
24. COMMENCEMENT OF USE OF ANY SANITARY SEWER LINES AND/OR SYSTEMS. NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL: a. MSMD HAS APPROVED ALL TESTS AND COMPACTION TESTING REPORTS, AS-BUILT DRAWINGS AND REVIEWS ARE SUBMITTED TO AND APPROVED BY MSMD. b. ALL SANITARY SEWER 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. c. ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED TO MSMD, AND RECORDED.	
25. WHEN A RESIDENTIAL SEWER SERVICE IS INSTALLED ON AN EXISTING SEWER MAIN A DOUBLE STRAP STAINLESS STEEL SADDLE TEE SHALL BE USED. THE SADDLE TEE, GASKET HUB & GASKET MUST BE A STRAIGHT STYLE CONNECTION; NO T-J STYLE WILL BE ALLOWED. ALL SEWER SERVICE CORE CUTOUTS MUST BE RECOVERED AND RETURNED TO THE DISTRICT FOR INSPECTION. IF ALL SEWER SERVICE CORE CUTOUTS ARE RECOVERED AND COMPLETE, THEN NO VIDEO INSPECTION OF THAT PORTION OF THE SEWER MAIN IS REQUIRED. IF ANY SEWER SERVICE CORE CUTOUT OR PORTION THERE FROM IS NOT RECOVERED, THAT SECTION OF SEWER MAIN SHALL BE CLEANED AND VIDEO INSPECTED TO ENSURE THAT THE SEWER SERVICE CORES OR PORTION THERE FROM IS RECOVERED.	
26. SANITARY SEWER MAIN LENGTHS ARE MH CENTER TO MH CENTER. ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR EQUAL AND HAVE A MINIMUM COVER DEPTH OF 5'-6" INSTALLED WITH A COATED 12 GAUGE U.F. TRACER WIRE. USE PRE-MANUFACTURED IN-LINE PVC PUSH-ON WYES FOR SANITARY SEWER LATERAL CONNECTIONS TO THE SANITARY SEWER MAIN. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING SANITARY SEWER MAINS. ALL LOTS SHALL RECEIVE A 4" SANITARY SEWER SERVICE LATERAL. THE END OF EACH SANITARY SEWER SERVICE LATERAL SHALL BE 'LOCATED' WITH A WOOD 2" X 4" EXTENDED 4' ABOVE FINISH GRADE FROM THE END OF THE SERVICE LOCATION AND PAINTED GREEN ABOVE FINISH GRADE. EXTEND THE COATED 12 GAUGE U.F. TRACER WIRE TO THE END OF EACH SANITARY SEWER LATERAL UP TO THE SURFACE COILED AROUND THE 2" X 4" MARKER. ALL TRACER WIRE CONNECTIONS SHALL BE WATER TIGHT STYLE OF APPROVED ELECTRICAL CONNECTORS SUCH AS A DBY (DIRECT BURY YELLOW) OR EQUAL.	
27. WATER NOTES a. WATER MAIN PIPES SHALL BE AWWA C900 PVC, PRESSURE CLASS 200 OR MSMD APPROVED EQUAL, INSTALLED PER MANUFACTURERS' SPECIFICATIONS. ALL WATER MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINTS AND THRUST BLOCKS. ALL WATER MAIN PIPES SHALL HAVE A MINIMUM COVER DEPTH OF 5'-6" INSTALLED WITH A COATED 12 GAUGE U.F. TRACER WIRE.	
28. ALL LOTS SHALL RECEIVE A MINIMUM 3/4" DIAMETER HDPE OR COPPER WATER SERVICE INSTALLED PER APPROVED PLANS CSUS AND MSMD SPECIFICATIONS. HDPE WATER SERVICE SHALL BE HDPE SDR-7 PE4710 RATED FOR 200 PSI WITH THE MARKING SDR-7, AWWA C901, NSF61 PE4710. WATER SERVICES SHALL BE INCREASED IN SIZE TO 1" DIAMETER WHERE THE RESIDENTIAL SEWER WATER PRESSURE IS LESS THAN 40 PSI AT 10 GPM DEMAND AND ALL 1/3 ACRE OR GREATER LOTS SHALL RECEIVE A MINIMUM 1" DIAMETER WATER SERVICE. AS NOTED ON PLANS, THE CURB STOP VALVE AND BOX AT THE END OF EACH WATER SERVICE SHALL BE 'LOCATED' WITH A 2" X 4" PIECE OF WOOD EXTENDED 4' ABOVE FINISH GRADE, PAINTED BLUE, DIRECTLY BEHIND THE CURB STOP VALVE AND BOX. ALL TRACER WIRE CONNECTIONS SHALL BE MADE WITH DBY (DIRECT BURY YELLOW) WATER TIGHT STYLE ELECTRICAL CONNECTORS OR EQUAL.	
29. IF HDPE WATER SERVICES ARE TO BE USED THEY SHALL INCLUDE A ROMAC 202 NS OR EQUAL TAPPING SADDLE AND A CURB STOP VALVE INSIDE A CURB STOP BOX AT THE END OF THE WATER SERVICE. ALL CONSTRUCTION STOPS SHALL BE AT A MC DONALD MODEL NUMBER 74701B-33 FOR SDR HDPE SAME SIZE AS THE WATER SERVICE. ALL CURB STOP VALVES SHALL BE ¾" A/MY MC DONALD MODEL NUMBER 76100 (FLARE X FLARE) OR EQUIVALENT WITH A MAIN SIDE ONE PACK JOINT (PEP) ADAPTOR AT MC DONALD MODEL NUMBER 14755-33 UNLESS OTHERWISE NOTED ON THE PLANS. ALL 1" DIAMETER WATER SERVICES SHALL RECEIVE A 1" INLET BY ¾" OUTLET CURB STOP VALVE.	
30. IF COPPER WATER SERVICES ARE TO BE USED THEY SHALL INCLUDE A ROMAC 202 BS OR EQUAL TAPPING SADDLE AND A CURB STOP VALVE INSIDE A CURB STOP BOX AT THE END OF THE WATER SERVICE. ALL CURB STOP VALVES SHALL BE ¾" UNLESS OTHERWISE NOTED ON THE PLANS. ALL 1" DIAMETER WATER SERVICES SHALL RECEIVE A 1" INLET BY ¾" OUTLET CURB STOP VALVE MANUFACTURED BY A/MY MC DONALD MODEL NUMBER 6104 (FLARE X FLARE) OR EQUIVALENT.	

31. ALL POTABLE WATER VALVES SHALL OPEN CLOCKWISE WITH THE VALVE OPERATING NUT INSTALLED LOW NEAR THE MAIN LINE AND PAINTED RED. ALL POTABLE AND RAW WATER VALVES NOT WITHIN PAVED STREETS SHALL BE MARKED WITH CARSONITE MARKERS. ALL RAW WATER VALVES SHALL OPEN COUNTERCLOCKWISE WITH THE VALVE OPERATING NUT INSTALLED HIGH WITHIN 1' FROM THE SURFACE AND PAINTED BLACK.
32. ALL POTABLE WATER, RAW WATER AND NON-POTABLE WATER VALVES 14" OR GREATER SHALL BE BUTTERFLY VALVES WITH A SIDE OPERATING NUT. THE OPERATIONAL DEPTH OF THE POTABLE WATER VALVES SHALL NOT EXCEED 6' IN OVERALL DEPTH NOR SHALL IT BE CLOSER TO THE SURFACE THEN 4'.
33. FIRE HYDRANT LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE APPLICABLE FIRE DEPARTMENT AUTHORITY.
34. FIRE HYDRANTS SHALL BE AWK MODEL 2780 NOSTALGIC OPEN RIGHT WITH A 1 ½" PENTAGON OPERATING NUT AND SERVICE CAPS, STANDARD 4 1/2" PUMPER NOZZLE WITH A THREAD PATTERN OF 5 - 3/8" - 6 TPI (THREADS PER INCH) ALONG WITH TWO STANDARD 2 ½" NST (NATIONAL STANDARD THREAD) SIZE NOZZLES.
35. ALL DUCTILE IRON PIPES, 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.
36. ALL DUCTILE IRON PIPE AND FITTINGS LESS THAN 12 INCHES IN DIAMETER 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 AND FITTINGS 12 INCHES AND GREATER 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. CATHODIC PROTECTION AND ANODES SHALL BE INSTALLED PER MSMD SPECIFICATIONS.
37. ALL EXISTING WATER UTILITY MATERIAL REMOVED AS PART OF THE WORK ON THESE DRAWINGS SHALL BE RETURNED TO MSMD AS REQUESTED.
38. TESTING OF FACILITIES:
a. THE CONTRACTOR SHALL NOTIFY MSMD A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING TO ALLOW MSMD STAFF TO BE PRESENT AT ALL TIMES DURING TESTING. ALL TESTING SHALL BE PER MSMD SPECIFICATIONS OR CSUS, WHICHEVER IS GREATER.
b. ALL SECTIONS OF WATER LINES MUST FIRST PASS A CHLORINE TEST WITH A MINIMUM OF 50 PARTS PER MILLION OF RESIDUAL AFTER 24 HOURS. THE WHOLE SECTION OF LINE BEING TESTED MUST BE RE-CHLORINATED AND RE-TESTED IF IT DOES NOT PASS. ONCE THE SECTION OF LINE BEING TESTED PASSES THE LINE MUST BE FLUSHED AND BAC-T TESTED PER CSUS. ONCE THE BAC-T TEST PASSES, THE SECTION OF LINE MAY BE PRESSURE TESTED. WATER FLUSHED FROM THE WATER SYSTEM MUST BE PROPERLY DE-CHLORINATED DURING THE FLUSHING PROCESS.
c. ALL SECTIONS OF WATER LINES MUST PASS A TWO HOUR 200 PSI HYDROSTATIC PRESSURE TEST. THE PRESSURE SHALL NOT DECREASE BY MORE THAN 5 PSI DURING THE DURATION OF THE TEST. NO WATER SHALL BE ADDED DURING THE PRESSURE TEST. IF THE PRESSURE TEST FAILS, THE SECTIONS OF LINE THAT FAILED MUST AGAIN PASS THE CHLORINE TEST, BE FLUSHED, AND PASS THE BAC-T TEST PRIOR TO CONDUCTING A NEW PRESSURE TEST.
d. ONCE WATER SERVICES ARE INSTALLED A SECOND WATER PRESSURE TEST MUST BE DONE TO A WORKING PSI OF 150 PSI FOLLOWING THE ABOVE TESTING STANDARDS.
e. SECTIONS OF WATER LINES SHALL BE LEFT PRESSURIZED ONCE THE WATER LINES HAVE PASSED ALL TESTING DURING THE REMAINING CONSTRUCTION ACTIVITIES.
39. COMMENCEMENT OF USE OF WATER LINES AND/OR SYSTEMS. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL:
a. MSMD HAS APPROVED ALL TESTS AND COMPACTION TESTING REPORTS, AND AS-BUILT DRAWINGS ARE SUBMITTED TO AND APPROVED BY MSMD.
b. ALL WATER 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, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
c. ALL EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED TO MSMD, AND RECORDED.
40. ANY WATER SHUT DOWNS THAT NEED TO OCCUR ON THE CRITICAL LINES AS DEFINED BY THE MSMD SOP (STANDARD OPERATION PROCEDURE) MANUAL SHALL BE COORDINATED WITH MSMD STAFF FOR NIGHT TIME SHUT DOWNS.
41. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONNECTIONS TO EXISTING WATER MAINS WITHOUT A SHUTDOWN OF THE WATER SYSTEM. IN THE EVENT THAT A SHUTDOWN OF A WATER SYSTEM IS NECESSARY, THE CONTRACTOR SHALL ACQUIRE A PERMIT FROM MSMD.
42. ALL NON-POTABLE WATER MAINS SHALL BE AWWA NON-POTABLE STANDARD (PURPLE PIPE) C900 PVC, PRESSURE CLASS 200 OR MSMD APPROVED EQUAL, INSTALLED PER MANUFACTURERS' SPECIFICATIONS. ALL WATER MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINTS AND THRUST BLOCKS. ALL WATER MAIN PIPES SHALL HAVE A MINIMUM COVER DEPTH OF 5'-6" INSTALLED WITH A COATED 12 GAUGE U.F. TRACER WIRE.
43. ALL NON-POTABLE WATER VALVES SHALL OPEN COUNTER CLOCKWISE WITH A VALVE EXTENSION, EXTENDING TO WITHIN 1' OF THE SURFACE AND PAINTED PURPLE WITH AN OPEN DIRECTION ARROW.
44. IRRIGATION SERVICES SHALL HAVE A STOP AND WASTE CURB STOP VALVE INSTALLED ALONG WITH A TRACER WIRE EXTENDING BACK TO THE MAIN LINE.

THE ABOVE GUIDELINES ARE SUBJECT TO CHANGE AT ANY TIME.

EL PASO COUNTY GENERAL NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWING ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
d. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY PUBLIC SERVICE DEPARTMENT (PSD), INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

GEOTECHNICAL REPORT NOTE:

CONTRACTOR TO OBTAIN AND READ THE GEOTECHNICAL ENGINEERING STUDY (GEOLOGIC HAZARDS EVALUATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION, MERIDIAN RANCH SUBDIVISION COMMERCIAL CENTER AND PLUMBING NOON 48) PREPARED BY CIL THOMPSON SEPTEMBER 10, 2013 FOR THIS PROJECT. ALL PAVING AND EARTHWORK SHALL CONFORM TO THE RECOMMENDATIONS OF THIS REPORT. IN CASE OF ANY CONFLICT WITH THESE PLANS AND SITEWORK SPECIFICATIONS REGARDING PAVING AND EARTHWORK, CONTACT ENGINEER IMMEDIATELY.

GENERAL NOTES:

1. ALL WORK WITHIN PUBLIC RIGHTS-OF-WAY AND/OR EASEMENT SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS AND DESIGN CRITERIA FOR PUBLIC IMPROVEMENT PROJECTS OF THE OWNER OF RIGHT-OF-WAY AND THE GRANTOR OF THE EASEMENT.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THESE PLANS AND PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES (1) SIGNED COPY OF THE PLANS, STANDARDS, AND SPECIFICATIONS AS APPROVED BY THE APPROPRIATE GOVERNING AGENCY. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ANY VARIANCE TO THE ABOVE DOCUMENTS.
3. THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARDS, PERMITS, BONDS, ETC. WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.
4. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR CALLING THE COLORADO ONE CALL SYSTEM AT 1-800-922-1987 AND COORDINATING FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING GRADING AND UTILITY WORK.
5. LOCATIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS TO BE MET (OR AVOIDED) BY WORK TO BE DONE SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE ENGINEER ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE FIRE DEPARTMENT OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS TAKEN OUT OF SERVICE AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
7. ANY CONSTRUCTION DEBRIS OR MUD DROPPED INTO MANHOLES, INLETS, PIPES OR TRACKED ONTO EXISTING ROADWAYS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY EXCAVATIONS OR PAVEMENT FAILURES CAUSED BY HIS CONSTRUCTION. THE CONTRACTOR SHALL PROPERLY BARRICADE THE CONSTRUCTION SITE UNTIL CONSTRUCTION IS COMPLETE.
8. PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL OBTAIN ANY WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK FORM ADJACENT PRIVATE PROPERTY OWNERS. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT OBTAINED BY THE OWNER OR OWNER'S REPRESENTATIVES AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.
10. EXCEPT FOR MATERIALS DESIGNED TO BE RELOCATED ON THIS PLAN, ALL OTHER CONSTRUCTION MATERIALS SHALL BE NEW.
11. NO WORK SHALL BE BACKFILLED (INCLUDING BEDDING MATERIAL ABOVE THE SPRING LINE OF THE PIPE) UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE APPROPRIATE GOVERNING AGENCY.
12. ALL WORK AND MATERIALS WILL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNERS REPRESENTATIVE.
13. SHOP DRAWINGS AND MATERIAL SPECIFICATIONS SHALL BE SUBMITTED TO OWNER/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF MATERIAL.
14. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL APPLICABLE LAWS AND REGULATIONS.
15. ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS AS SHOWN ON THESE PLANS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SITE SAFETY OF HIS OWN PERSONNEL, ALL VISITORS TO THE SITE, AND THE GENERAL PUBLIC INCLUDING, BUT NOT LIMITED TO, TRENCH EXCAVATION AND SHORINGS, TRAFFIC CONTROL, AND SECURITY NOT LIMITED TO NORMAL WORKING HOURS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL EXISTING FEATURES TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER CONDITION, AT HIS OWN EXPENSE.
18. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SITE IMPROVEMENTS (INCLUDING BUT NOT LIMITED TO: UTILITIES, STRUCTURES, PAVING, LANDSCAPING, ETC.) SUCH THAT NO DAMAGE IS DONE TO SITE IMPROVEMENTS (INCLUDING BUT NOT LIMITED TO: PAVEMENT, SITE IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
19. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE THAT A PRIOR UNIDENTIFIED SITUATION IS PRESENT, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
20. THE CONTRACTOR SHALL REMOVE ALL DEBRIS RESULTING FROM WORK UNDER THIS CONTRACT TO AN APPROVED DUMP SITE.
21. DIMENSIONS SHOWN ON THE PLANS ARE TO FACE OF CURB LINE IN CURBED AREA AND EXTERIOR FACE OF BUILDING, AND TO CENTERLINE OF UTILITIES, UNLESS OTHERWISE SPECIFIED.
22. USE ONLY DIMENSIONS PROVIDED ON THESE PLANS. DO NOT SCALE DRAWINGS. INFORM ENGINEER OF ANY DISCREPANCIES AND/OR MISSING INFORMATION.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ADJACENT PARCELS DURING ALL HOURS OF OPERATION FOR THE BUSINESSES LOCATED ON THOSE PARCELS.
24. CONTRACTOR TO OBTAIN TEMPORARY POWER, TELEPHONE AND WATER FOR THE SITE.
25. CONTRACTOR MUST COORDINATE CONSTRUCTION WITH TECH CONTRACTORS CONSTRUCTION MANAGER.
26. THE CONTRACTOR SHALL OBTAIN A COPY OF THE STANDARD SPECIFICATIONS AND DETAILS OF ALL AGENCIES EXERCISING JURISDICTION OVER THIS PROJECT. A COPY OF THESE SPECIFICATIONS AND DETAILS (INCLUDING BUT NOT LIMITED TO: PAVEMENT, SITE IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
27. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING EXISTING IRRIGATION SYSTEM IN THE AREAS OF PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL CAP THE EXISTING IRRIGATION SYSTEM TO REMAIN SUCH THAT THE REMAINING SYSTEM SHALL CONTINUE TO FUNCTION PROPERLY. IN CASES WHERE ISLAND, ROADWAYS, PARKING LOTS, AND OTHER IMPROVEMENTS NOT MENTIONED ARE MOVED OR ADJUSTED TO GRADE, CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL LANDSCAPED AREAS ARE PROPERLY IRRIGATED & THAT IRRIGATION SYSTEM FUNCTIONS PROPERLY.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ADJACENT COUNTY STREETS FREE AND CLEAN OF ALL DEBRIS AND DIRT FROM THE JOB SITE.
29. CONTRACTOR SHALL MAINTAIN A GRAFTITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFTITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
30. CONTRACTOR SHALL PREPARE AND MAINTAIN AS-BUILT DRAWINGS DURING CONSTRUCTION. THE AS-BUILT DRAWINGS SHALL INCLUDE SURVEYED INFORMATION FOR ALL IMPROVEMENTS THAT WERE INSTALLED IN A MANNER WHICH WAS INCONSISTENT WITH THE DESIGN PLANS. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE OWNER AT THE END OF CONSTRUCTION, AND MAY BE USED BY THE CIVIL ENGINEER TO GENERATE RECORD DRAWINGS FOR JURISDICTIONAL APPROVAL.

ADA NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL ACCESSIBLE AREAS ARE BUILT IN ACCORDANCE WITH THE PLANS AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).
2. ALL ADA ACCESSIBLE PARKING SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 2.00% IN ANY DIRECTION.
3. ALL ADA ACCESSIBLE ROUTES SHALL BE CONSTRUCTED WITH A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%
4. ALL ADA MANEUVERING AREAS SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 2.00% IN ANY DIRECTION.
5. ALL ADA ACCESSIBLE RAMPS SHALL MEET THE ADA REQUIREMENTS PER ADAAG SECTION 4.7 & 4.8.

DEWATERING PERMITS:

CONTRACTOR TO OBTAIN DEWATERING PERMIT, IF REQUIRED, FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) PRIOR TO COMMENCING WORK. DISCHARGES SHALL BE MONITORED ACCORDING TO THE CONDITIONS OF THE CDPHE PERMIT.

GRADING:

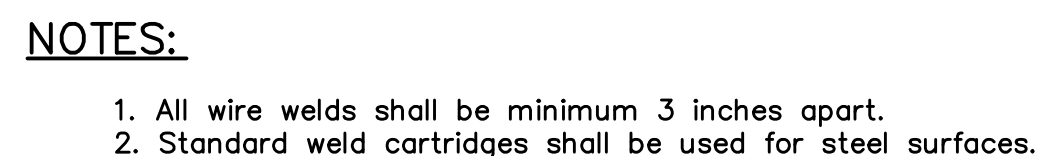
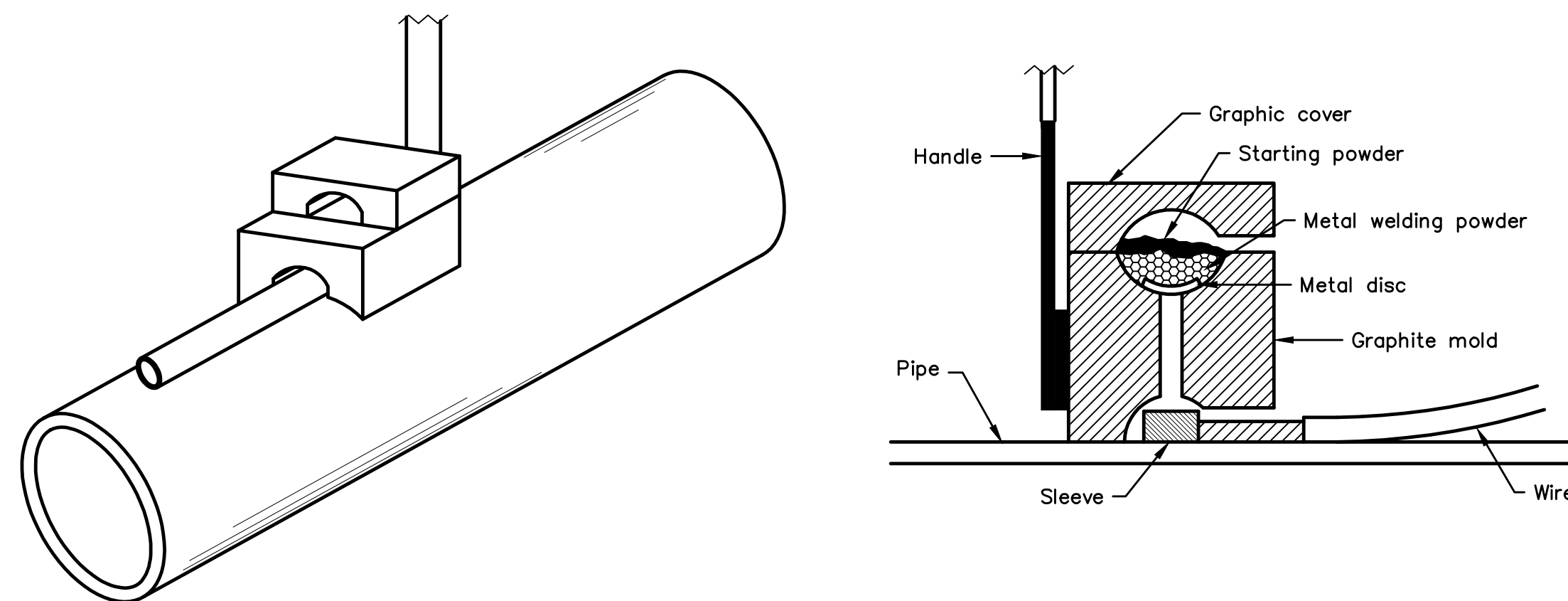
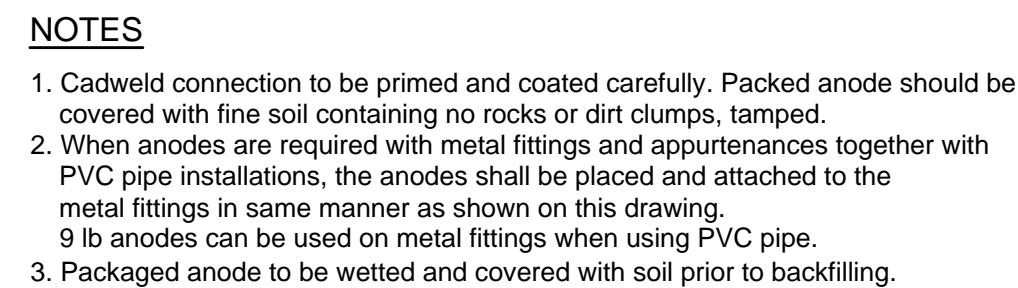
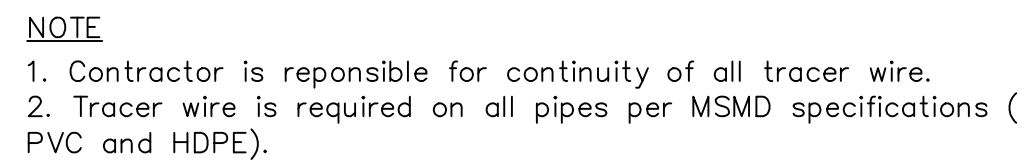
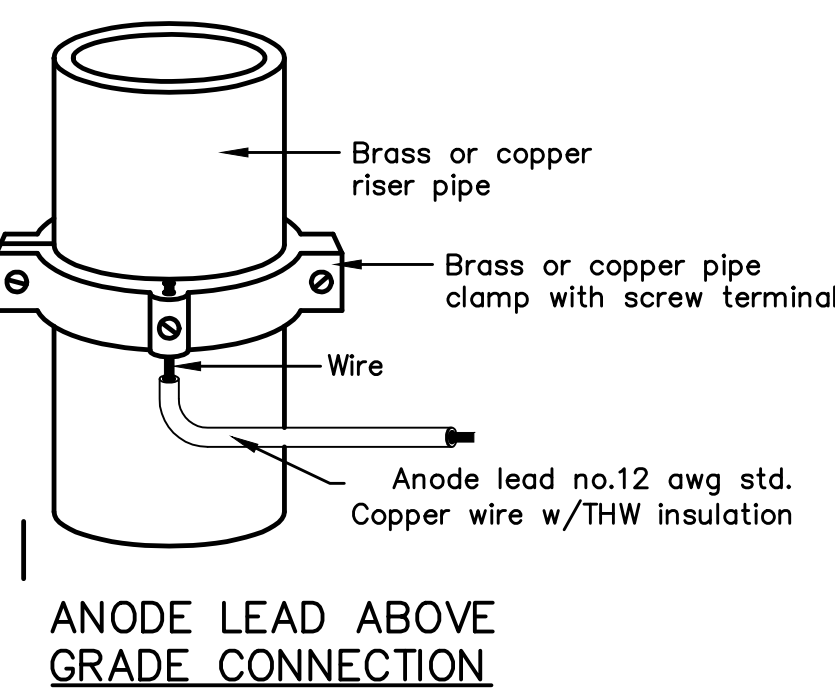
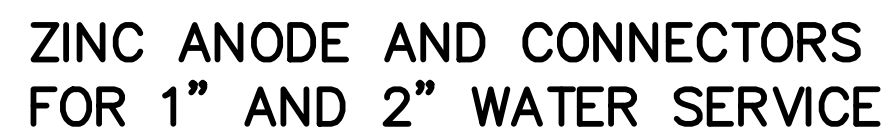
1. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS. ANY PROPERTY CORNERS DISTURBED OR DAMAGED BY GRADING ACTIVITIES SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF COLORADO, AT THE CONTRACTORS EXPENSE.
2. THE CONTOUR LINES AND BUILDING FLOOR ELEVATIONS SHOWN ARE TO FINISH GRADE FOR SURFACE OF PAVEMENT, TOP OF SIDEWALKS AND CURBS, TOP OF FLOOR SLABS, ETC. ALL SPOT ELEVATIONS SHOWN ARE TO FLOWLINE UNLESS OTHERWISE NOTED. REFER TO TYPICAL SECTIONS FOR MULCH, SOD, PAVING, SLAB AND AGGREGATE BASE THICKNESS TO DEDUCT FOR GRADING LINE ELEVATIONS.
3. TOP OF CURB AND SIDEWALK ELEVATIONS SHALL BE 0.5' ABOVE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED. IN AREAS WITH SIDEWALK ABUTTING BACK OF CURB, TOP OF CURB ELEVATIONS SHALL BE EQUAL TO SIDEWALK ELEVATIONS.
4. THE CONTRACTOR SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN ONE FOOT VERTICAL IN THREE FEET HORIZONTAL.
5. CONTRACTOR SHALL GRADE LANDSCAPED AREAS TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND SIDEWALKS WHEN FINISH LANDSCAPE MATERIALS ARE IN PLACE.
6. THE CONTRACTOR SHALL CLEAN OUT ALL EXISTING AND PROPOSED INLETS, PIPES AND MANHOLES OF DEBRIS AND SEDIMENT AT COMPLETION OF SITEWORK. THIS WORK SHALL BE DONE TO THE SATISFACTION OF THE OWNER.
7. CONTRACTOR SHALL COORDINATE TESTING ACTIVITIES WITH THE GEOTECHNICAL ENGINEER.
8. ALL GRADING, COMPACTION, AND PAVEMENT CONSTRUCTION WILL BE IN ACCORDANCE WITH RECOMMENDATIONS FROM THE GEOTECHNICAL INVESTIGATION.
9. EXISTING CONTOURS OUTSIDE OF THE ROADWAY SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY.

UTILITIES:

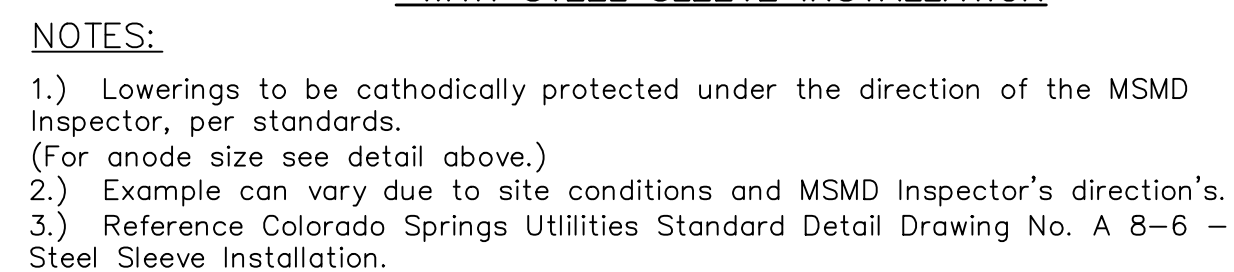
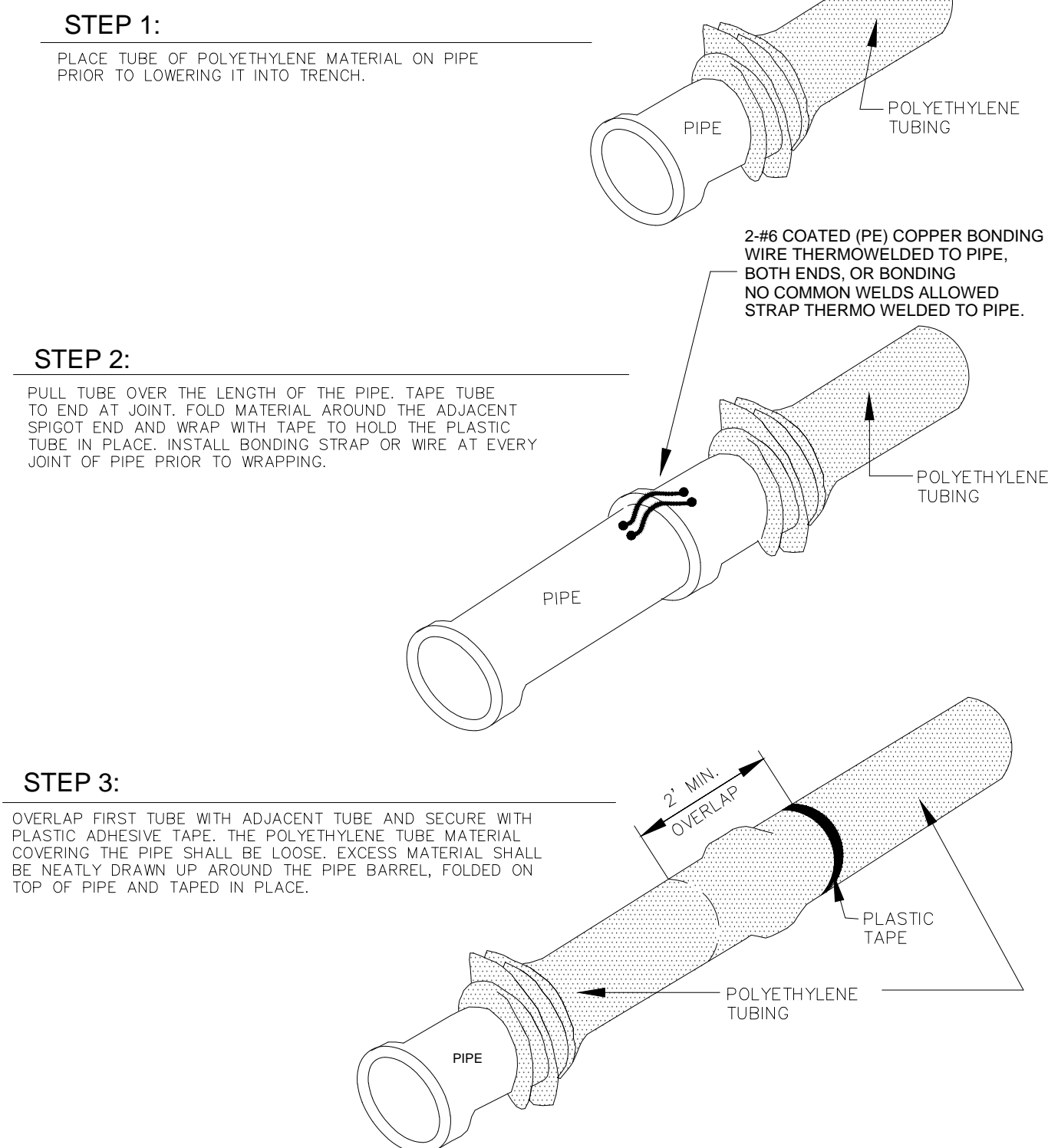
1. CONTRACTOR TO FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
2. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND SIZES OF ALL UTILITY SERVICE LINE HOOKUPS TO THE BUILDINGS WITH THE MECHANICAL, ELECTRICAL AND PLUMBING PLANS AND SPECIFICATIONS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT PRIOR TO BEGINNING UTILITIES CONSTRUCTION.
3. THE CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER SERVICE CONNECTIONS IN ACCORDANCE WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE MERIDIAN SERVICE METROPOLITAN DISTRICT.
4. THE CONTRACTOR SHALL CONSTRUCT ALL WATER SERVICE CONNECTIONS IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE MERIDIAN SERVICE METROPOLITAN DISTRICT.
5. THE CONTRACTOR SHALL CONSTRUCT ALL ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION SERVICES IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.
6. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING.
7. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
8. UTILITY TRENCHES ARE TO BE SLOPED OR BRACED AND SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND THE PROTECTION OF OTHER UTILITIES IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
9. CONTRACTOR TO SET AND ADJUST ALL MANHOLE COVERS, INLET GRATES, WATER VALVES, CLEANOUTS, AND ANY OTHER ACCESS COVERS TO FINISHED PAVEMENT SURFACE OR FINISHED GRADE.

EROSION & SEDIMENT CONTROL:

1. THIS PROJECT REQUIRES A PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE). THE PERMIT APPLICATION SHALL BE SUBMITTED BY THE CONTRACTOR. THE ENGINEER HAS PREPARED A STORMWATER MANAGEMENT PLAN FOR USE WITH THIS PROJECT. THE CONTRACTOR SHALL COMMECE WORK ON THIS SITE ONLY AFTER AN ACTIVE PERMIT NUMBER HAS BEEN OBTAINED FROM CDPHE.
2. CONTRACTOR SHALL REFER TO THE EROSION CONTROL PLAN FOR LOCATION AND DETAILS OF ALL BEST MANAGEMENT PRACTICES UTILIZED FOR THIS PROJECT.
3. THE CONTRACTOR SHALL INSTALL PERIMETER EROSION/SEDIMENTATION CONTROLS PRIOR TO ANY SITE PREPARATION WORK (E.G., CLEARING, GRUBBING, OR EXCAVATION).
4. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND EROSION CONTROL PLAN INCLUDED WITH THESE PLANS.
5. CONTRACTOR TO ADJUST EROSION CONTROL MEASURES AS NEEDED FOR VARIOUS PHASES OF WORK.
6. CONTRACTOR TO ENSURE THAT NO DIRT OR SEDIMENT IS TRACKED ONTO ADJACENT STREETS OR WATERWAYS.
7. TOPSOIL SHALL BE STOCKPILED WITHIN LIMITS OF CONSTRUCTION FOR USE ON AREAS TO BE RE-VEGETATED. ANY AND ALL STOCKPILES SHALL BE PLACED IN AN APPROVED LOCATION AND PROTECTED FROM EROSION ELEMENTS USING MEASURES SPECIFIED ON THE EROSION CONTROL PLAN.
8. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
9. A WATER SOURCE MUST BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
10. THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING SEDIMENT, CONSTRUCTION DEBRIS, AND TRENCH BACKFILL MATERIALS FROM ENTERING THE STORM SEWER SYSTEM.
11. ALL SPILLS INCLUDING, BUT NOT LIMITED TO, PETROLEUM PRODUCTS, SOLVENTS, AND CEMENT SHALL BE CLEANED UP IMMEDIATELY PER THE REQUIREMENTS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN.
12. THE CONTRACTOR SHALL ENSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THE SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHT-OF-WAY.
13. THE CONTRACTOR SHALL ENSURE THAT ALL MATERIAL EXPORTED FROM THE SITE IS DISPOSED OF AT A SITE PERMITTED TO ACCEPT SUCH MATERIAL.
14. APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES" (BMPs) SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. UNLESS OTHERWISE REQUIRED BY THE STORMWATER CONSTRUCTION PERMIT CONDITIONS, AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL BMPs EVERY 14 DAYS, AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. ALL NECESSARY MAINTENANCE AND REPAIR ACTIVITIES SHALL BE COMPLETED WITHIN FORTY-FOUR (24) HOURS AFTER DEFICIENCIES ARE NOTED. ACCUMULATED SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE REMOVED WEEKLY FROM



EXOTHERMIC WELD PROCESS



TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
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FAX: 719.495.2457



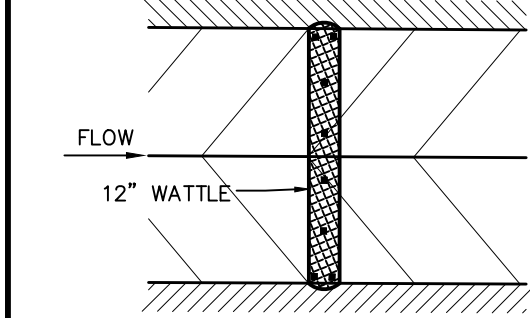
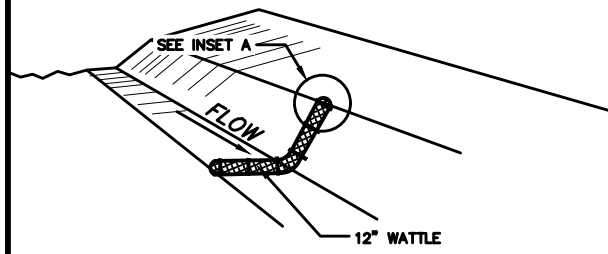
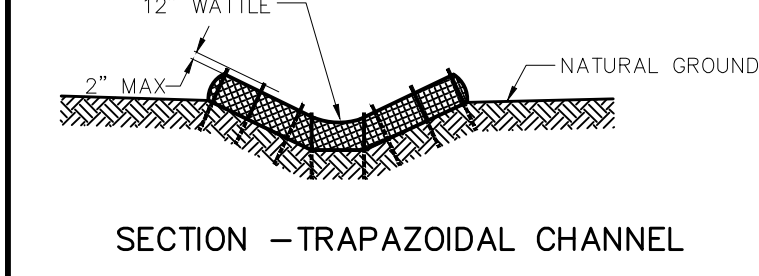
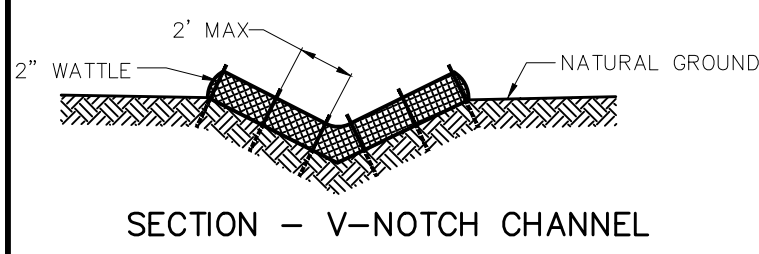
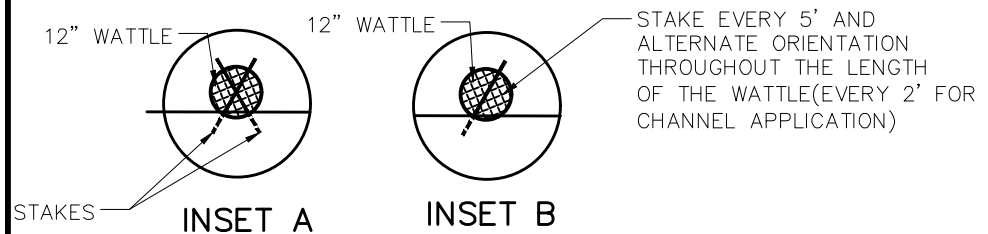
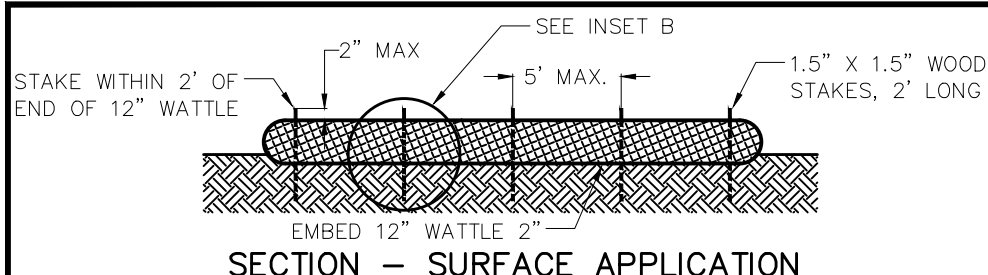
MERIDIAN RANCH

LOT 4, THE SHOPS AT MERIDIAN
RANCH FILING NO. 1
SITE CONSTRUCTION DOCUMENTS

DETAIL SHEET

<i>Drawn by</i> LCG	<i>Checked by</i> TAK	<i>Date</i> MARCH 2019
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Scale
AS SHOWN
SHEET
C13



NOTES:

USE 2 FT WOODEN STATES WITH A 1.5 IN BY 1.5 IN NOMINAL CROSS SECTION.

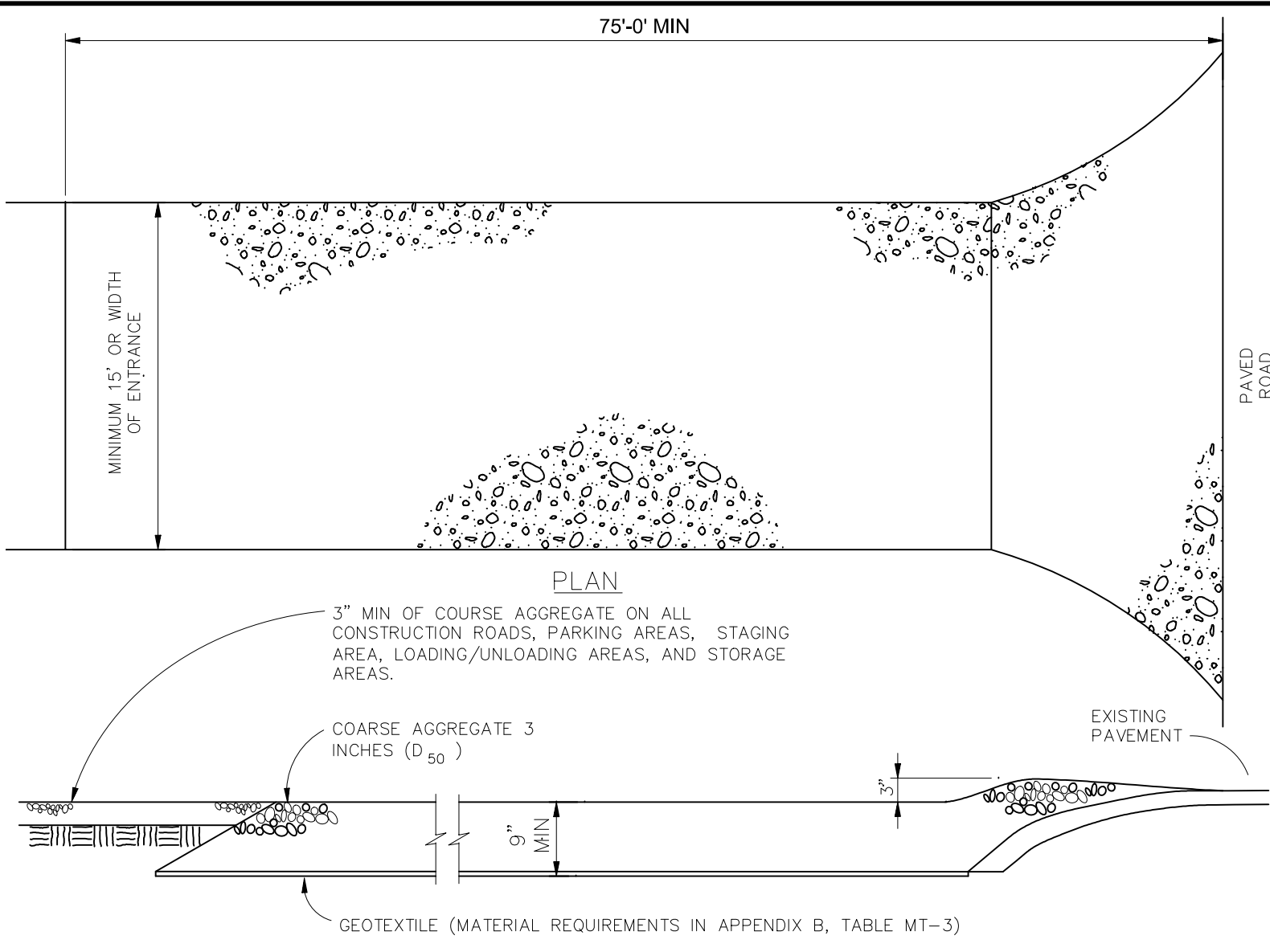
ONLY INSTALL 12" WATTLES TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES OR AS DIRECTED.

REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE HALF OF THE EXPOSED LOG HEIGHT. INSPECTIONS SHALL BE PERFORMED FREQUENTLY FOR PROPER FUNCTION.

WHEN MORE THAN ONE EROSION LOG IS NEEDED, ENDS MUST BE TIGHTLY ABUTTED.

WATTLES MAY ALSO BE USED ACROSS LONG SLOPES TO REDUCE EROSION AND SEDIMENT VOLUME.

STRAW WATTLES MAY BE USED IN LIEU OF STRAW BALES AND/OR SILT FENCE WITH APPROVAL THE COUNTY, OWNER, ENGINEER, AND SWMP ADMINISTRATOR.



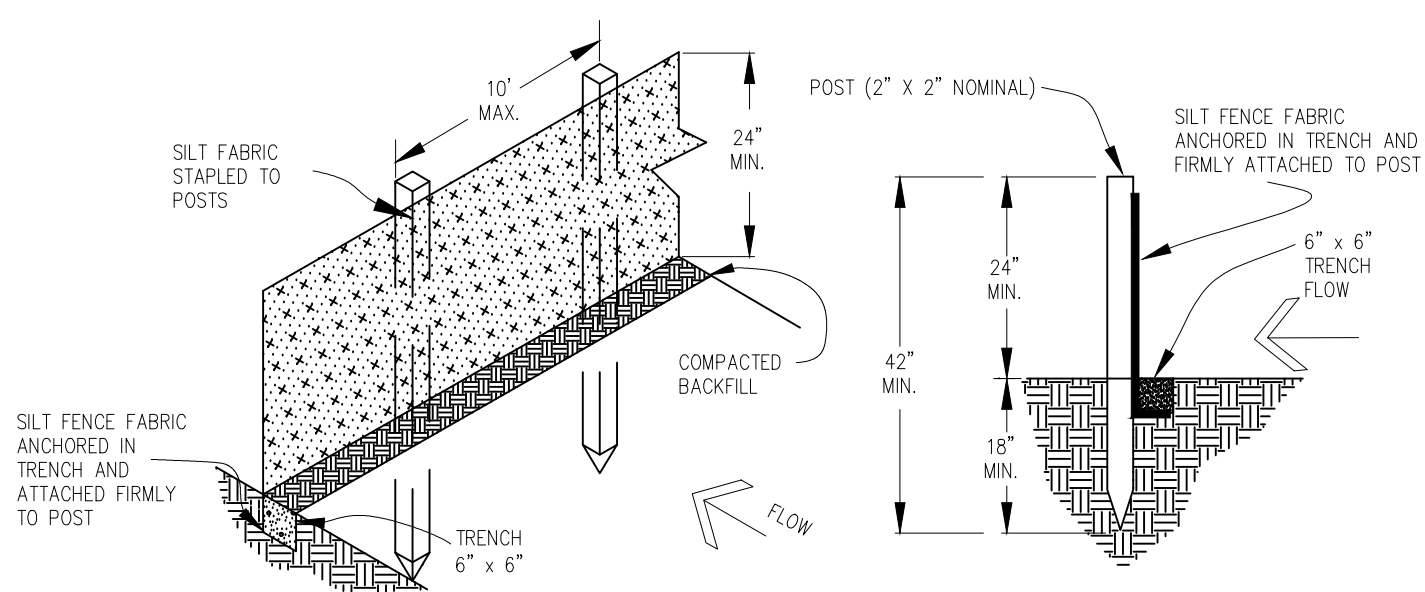
SECTION
VEHICLE TRACKING
NTS
VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

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

MAINTENANCE REQUIREMENTS

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



SILT FENCE
NTS
SILT FENCE NOTES

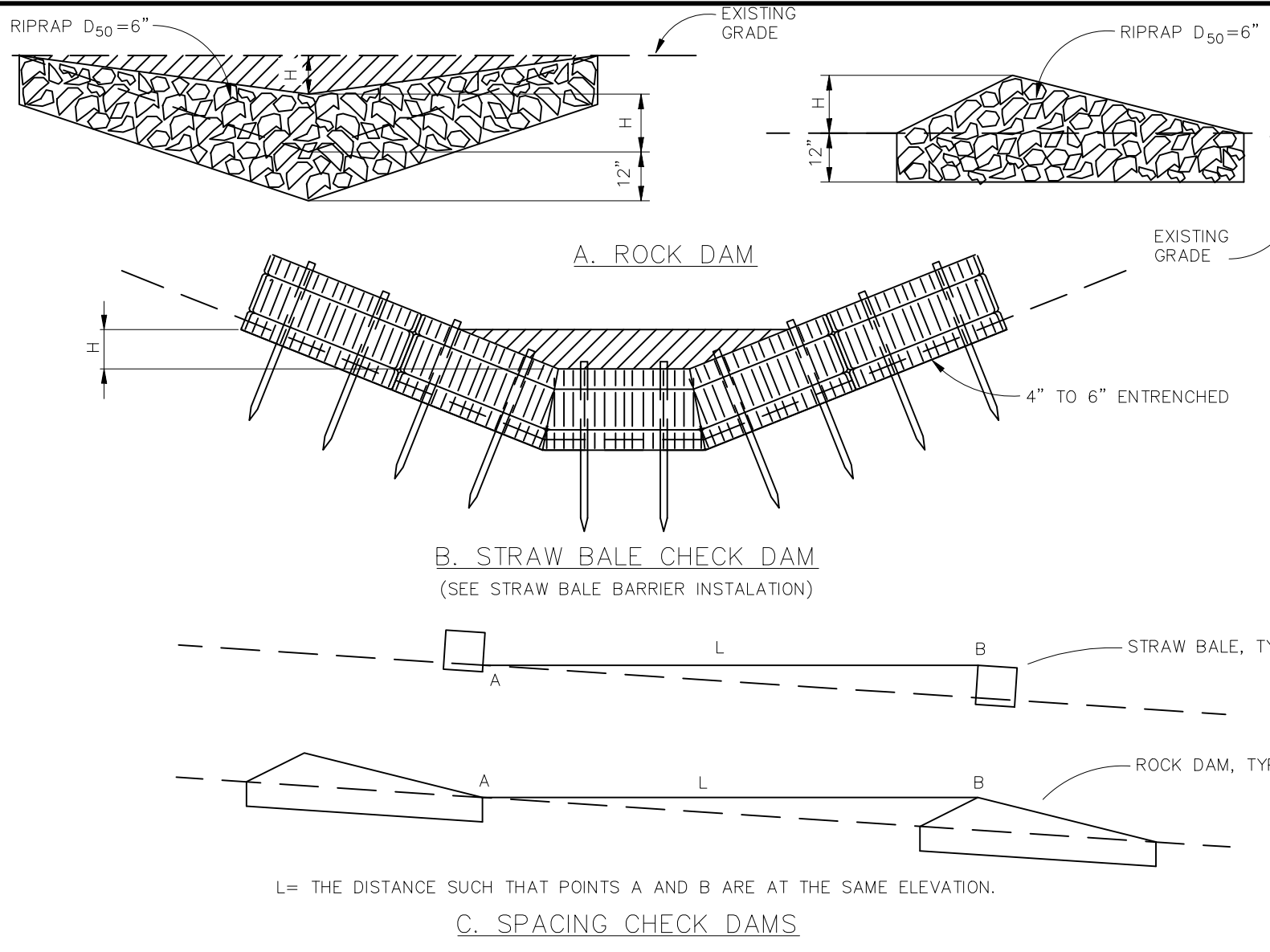
INSTALLATION REQUIREMENTS

1. SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
3. METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
4. THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #9 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
5. WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3' ABOVE THE ORIGINAL GROUND SURFACE.

6. ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
7. THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY INPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNENTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
2. SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
3. SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.



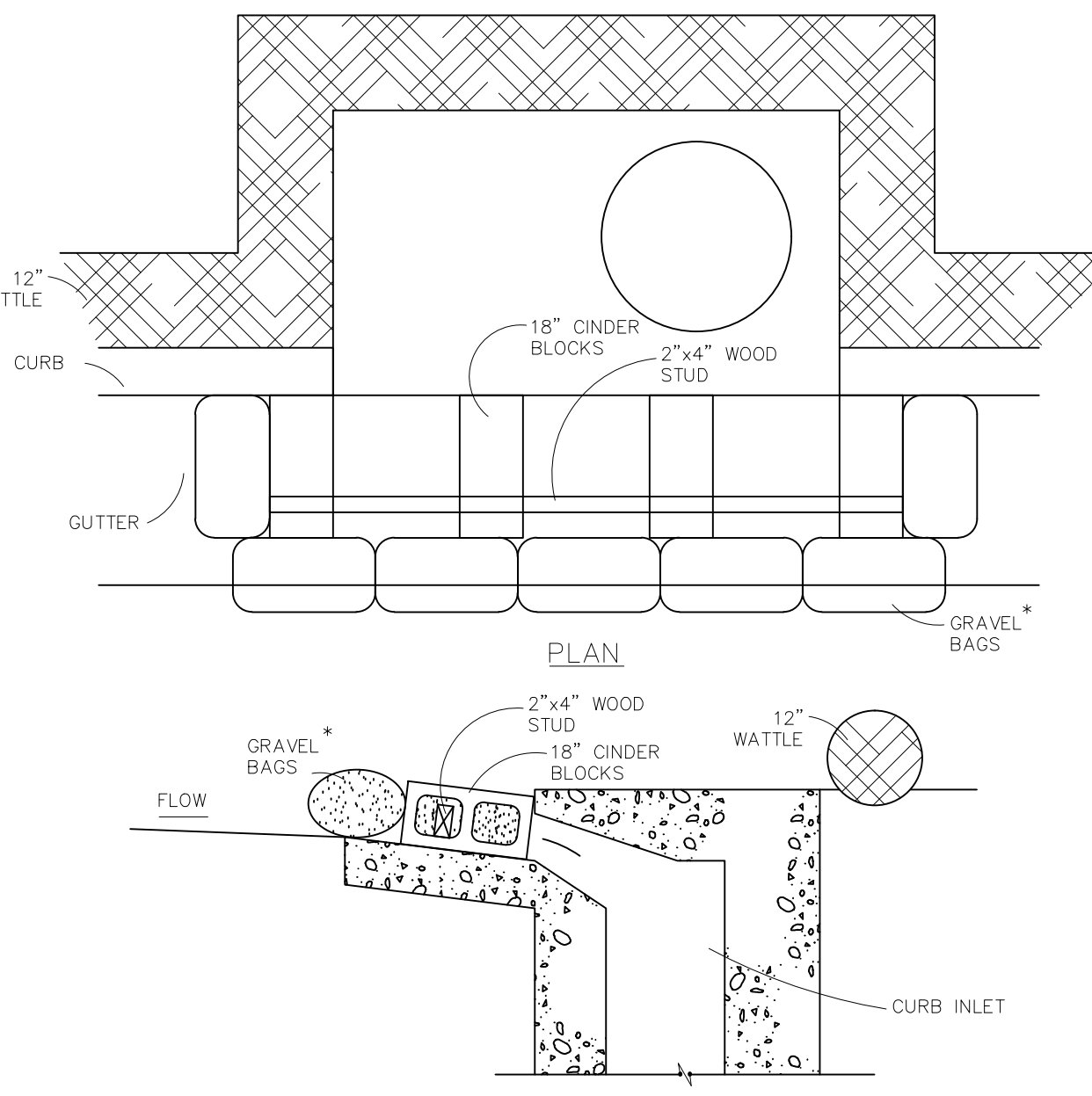
C. SPACING CHECK DAMS
NTS
CHECK DAM NOTES

INSTALLATION REQUIREMENTS

1. STRAW BALES USED AS CHECK DAMS ARE TO MEET THE REQUIREMENTS STATED IN FIGURE SBB-2.
2. THE "H" DIMENSION SHALL BE SELECTED TO PROVIDE WEIR FLOW CONVEYANCE FOR 2-YEAR FLOW OR GREATER.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL CHECK DAMS, ESPECIALLY AFTER STORM EVENTS.
2. REPLACE STONE AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE DAM.
3. ACCUMULATED SEDIMENT AND DEBRIS IS TO BE REMOVED FROM BEHIND THE DAMS AFTER EACH STORM OR WHEN 1/2 OF THE ORIGINAL HEIGHT OF THE DAM IS REACHED.
4. CHECK DAMS ARE TO REMAIN IN PLACE AND OPERATIONAL UNTIL THE DRAINAGE AREA AND CHANNEL ARE PERMANENTLY STABILIZED.
5. WHEN CHECK DAMS ARE REMOVED THE CHANNEL LINING OR VEGETATION IS TO BE RESTORED.



SECTION
MODIFIED BLOCK AND GRAVEL BAG
CURB INLET PROTECTION
NTS

BLOCK AND GRAVEL BAG*CURB INLET PROTECTION NOTES

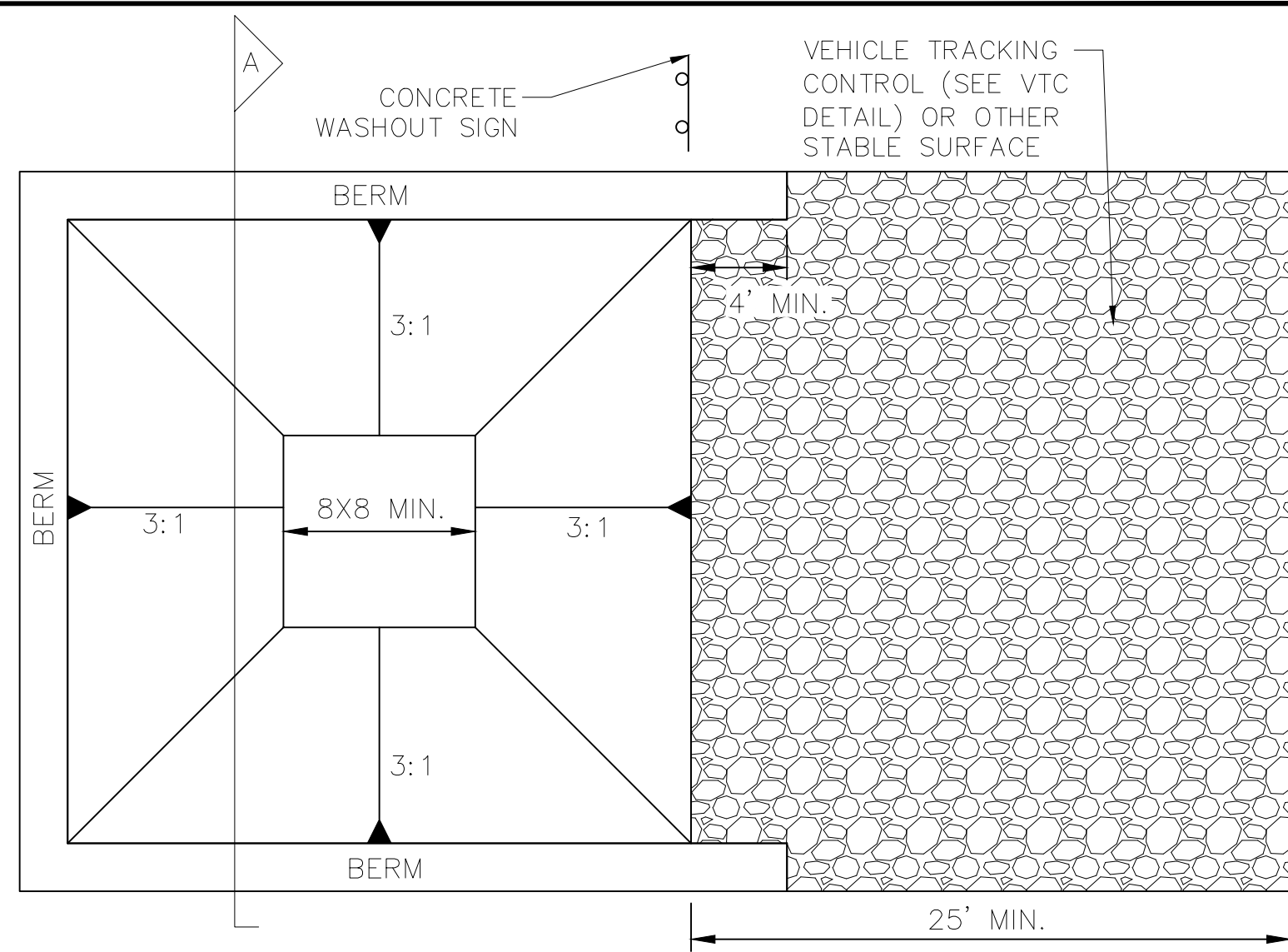
INSTALLATION REQUIREMENTS

1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
2. CONCRETE BLOCKS ARE TO BE LAID AT 2' SPACING ON THEIR SIDES WITH THE OPEN ENDS OF THE BLOCK FACING EACH OTHER.
3. IF MORE THAN ONE 2X4 IS REQUIRED, THEY NEED TO OVERLAP BY A MINIMUM OF 2'
4. GRAVEL BAGS ARE TO BE PLACED AROUND THE CONCRETE BLOCKS AND 2X4 TO CLOSELY ABUTTING ONE ANOTHER SO THERE ARE NO GAPS.
5. GRAVEL BAGS ARE TO CONTAIN WASHED SAND OR GRAVEL APPROXIMATELY 3/4 INCH IN DIAMETER.
6. BAGS ARE TO BE MADE OF 1/4" INCH WIRE MESH (USED WITH GRAVEL ONLY) OR GEOTEXTILE.

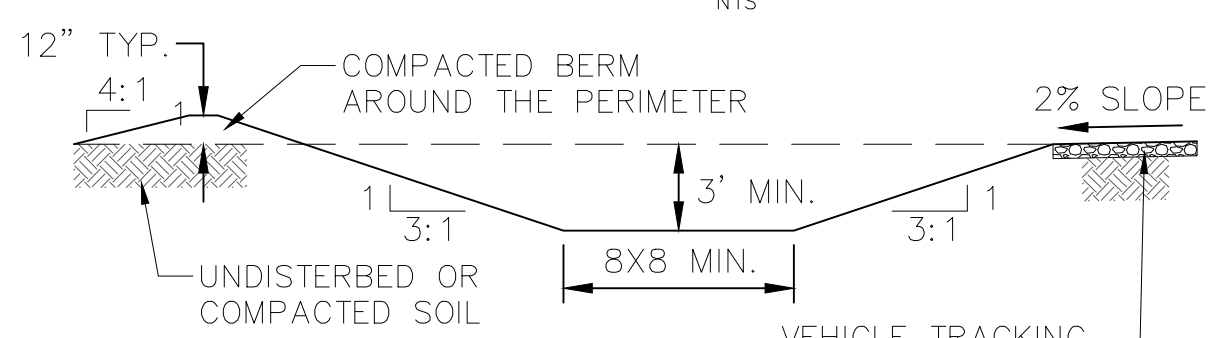
MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT INLET PROTECTION IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE INLET PROTECTION SHALL PROMPTLY BE REPAIRED OR REPLACED.
3. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO APPROXIMATELY 1/2 THE DESIGN DEPTH OF THE TRAP.
4. INLET PROTECTION SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED WITHIN THE DRAINAGE AREA AS APPROVED BY THE CITY.

* AN ALTERNATE 3/4" TO 1" GRAVEL FILTER OVER A WIRE SCREEN MAY BE USED IN PLACE OF GRAVEL BAGS. THE WIRE MESH SHALL EXTEND ABOVE THE TOP OF THE CONCRETE BLOCKS AND THE GRAVEL PLACED OVER THE WIRE SCREEN TO THE TOP OF THE CONCRETE BLOCKS.



CONCRETE WASHOUT AREA PLAN
NTS



SECTION A
NTS

CWA INSTALLATION NOTES:

1. SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' X 8'. SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE A MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA 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. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOPSOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

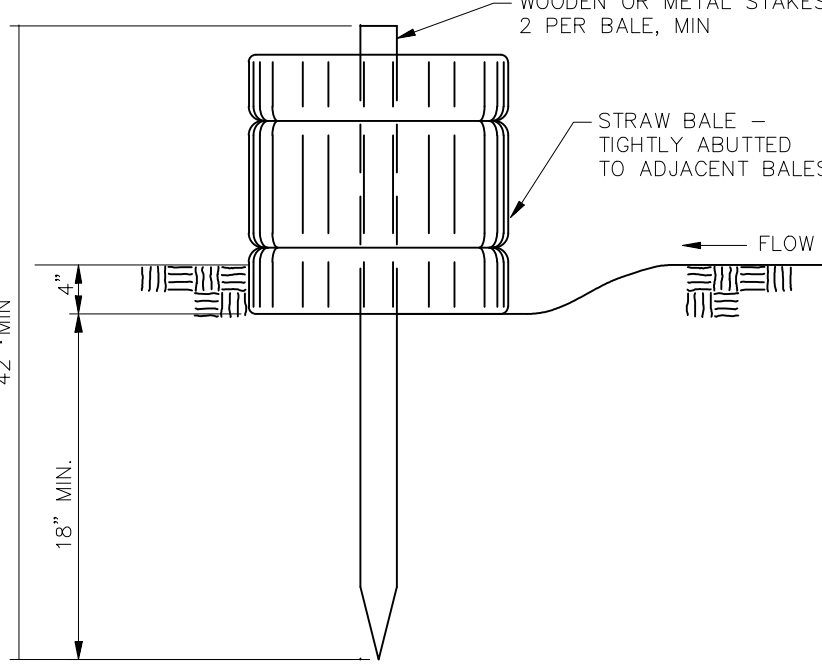
STRAW BALE BARRIER NOTES

INSTALLATION REQUIREMENTS

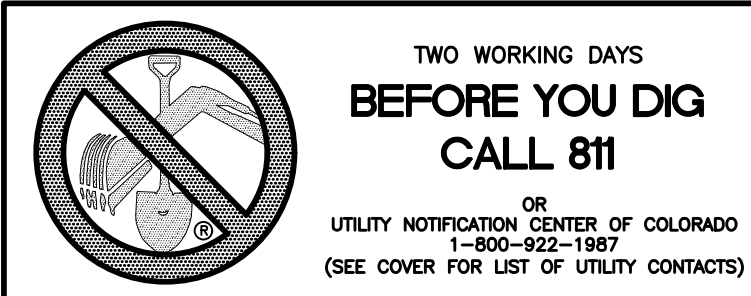
1. STRAW BALE BARRIERS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF CERTIFIED WEED FREE HAY OR STRAW AND WEIGH NOT LESS THAN 35 POUNDS.
3. BALES ARE TO BE PLACED IN A SINGLE ROW WITH THE END OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
4. EACH BALE IS TO BE SECURELY ANCHORED WITH AT LEAST TWO STAKES AND THE FIRST STAKE IS TO BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
5. STAKES ARE TO BE A MINIMUM OF 42 INCHES LONG. METAL STAKES SHALL BE STANDARD "T" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD STAKES SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
6. BALES ARE TO BE BOUND WITH EITHER WIRE OR STRING AND ORIENTED SUCH THAT THE BINDINGS ARE AROUND THE SIDES AND NOT ALONG THE TOPS AND BOTTOMS OF THE BALE.
7. GAPS BETWEEN BALES ARE TO BE CHINKED (FILLED BY WEDGING) WITH STRAW OR THE SAME MATERIAL OF THE BALE.
8. END BALES ARE TO EXTEND UPSLOPE SO THE TRAPPED RUNOFF CANNOT FLOW AROUND THE ENDS OF THE BARRIER.

MAINTENANCE REQUIREMENTS

1. CONTRACTOR SHALL INSPECT STRAW BALE BARRIERS IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE BARRIERS SHALL PROMPTLY BE REPAIRED, REPLACING BALES IF NECESSARY, AND UNENTRENCHED BALES NEED TO BE REPAIRED WITH COMPACTED BACKFILL MATERIAL.
3. SEDIMENT SHALL BE REMOVED FROM BEHIND STRAW BALE BARRIERS WHEN IT ACCUMULATES TO APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
4. STRAW BALE BARRIERS SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.



STRAW BALE BARRIER
NTS



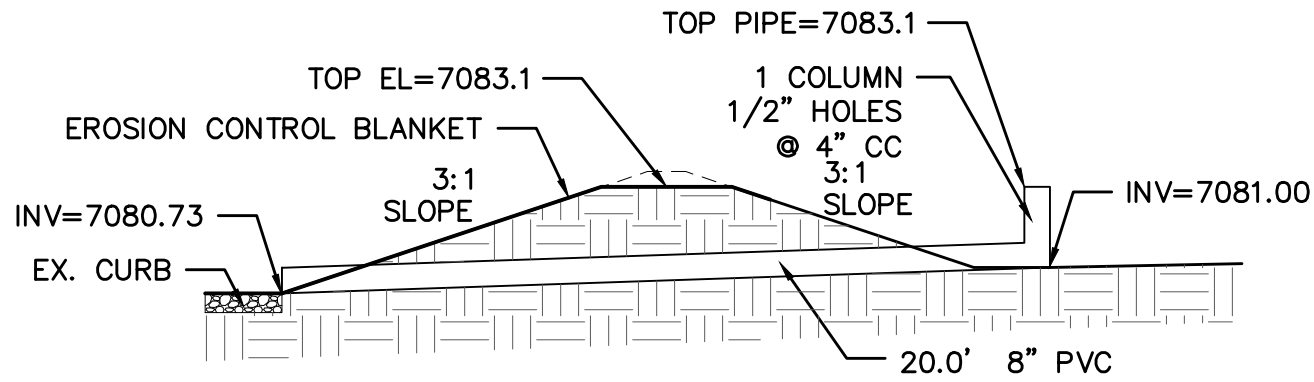
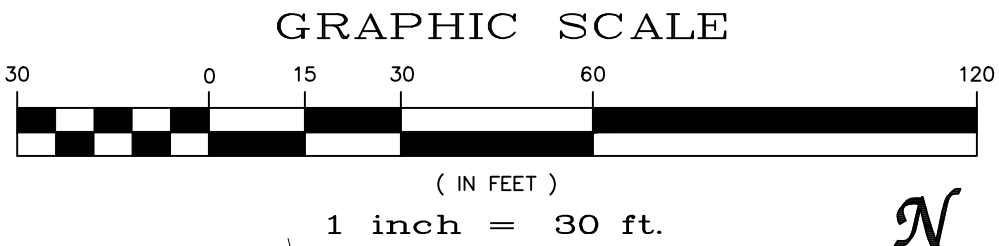
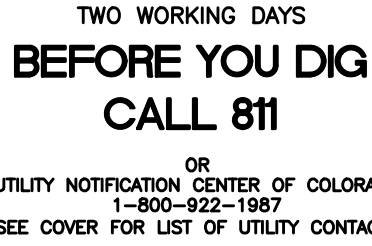
No.	Revisions	Date	Init.	Appr.	Date

TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
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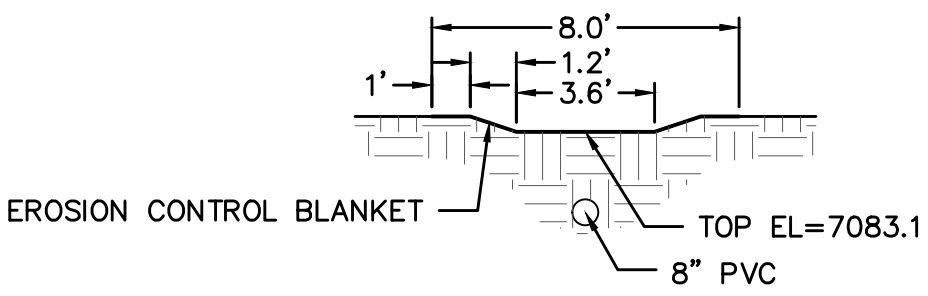


LOT 4, THE SHOPS AT MERIDIAN
RANCH FILING NO. 1
SITE CONSTRUCTION DOCUMENTS
DETAIL SHEET

Scale	Drawn by	Log	Checked by	TAK	Date
AS SHOWN					
SHEET					
C14					












DETAIL 1
TEMPORARY SEDIMENTATION AND WATER QUALITY PIPE
CROSS SECTION
NTS



DETAIL 2
TEMPORARY SPILLWAY
CROSS SECTION A-A'
NTS

LEGEND

SYMBOL	ACRONYM	DESCRIPTION
	RCP	REINFORCED CONCRETE PIPE
	(SF)	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	(VTC)	VEHICLE TRACKING CONTROL PANEL DETAIL VT-2 DCM VOL. 2
	(IP)	INLET PROTECTION PER DETAIL SHEET 22
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')

THE ANTICIPATED START FOR THIS PROJECT IS SEPTEMBER 2018 WITH AN ANTICIPATED COMPLETION DATE OF MAY 2019. BELOW IS A BRIEF OUTLINE OF THE CONSTRUCTION SEQUENCE FOR THIS PROJECT.

- * INSTALLATION OF PERIMETER BMPs
- * ROUGH GRADING
- * UTILITY INSTALLATION
- * VERTICAL CONSTRUCTION
- * PAVING
- * SEEDING & FINAL STABILIZATION

SILT FENCES AND STRAW BALE CHECK DAMS (OR APPROVED EQUAL) WILL BE INSTALLED PRIOR TO ANY EXCAVATION FOR THE INTERNAL ROAD. STRAW BALE CHECK DAMS, FILTERS OR APPROVED EQUAL WILL BE PLACED AT ALL ENTRANCES AND EXITS OF DRAINAGE WAYS.

NON-STRUCTURAL PRACTICES TO CONTROL EROSION AND SEDIMENTATION WILL INCLUDE RESEEDING OF GROUND COVER IN DISTURBED AREAS ACCORDING TO THE EROSION CONTROL PLAN. TEMPORARY SEEDING OF DORMANT STOCKPILES AND MULCHING ALONG STEEP EMBANKMENTS WILL BE PERFORMED AS REQUIRED.

SILT FENCE IS REQUIRED TO BE IN PLACE PRIOR TO ANY MOVEMENT OF DIRT.

THE MOST PROBABLE SOURCE OF NON-STORMWATER POLLUTION IS REFUELING AND DAILY MAINTENANCE OPERATIONS. IF MOBILE FUEL TRUCKS ARE USED TO SERVICE EQUIPMENT, ABSORBENT MATERIALS AND CONTAINERS FOR THE STORAGE OF USED ABSORBENT MATERIAL WILL BE CLOSE BY. IF A FUEL TANK IS LEFT ON SITE, BERMS WILL BE BUILT AROUND THE TANK TO CAPTURE ANY SPILLED FUEL. AGAIN, ABSORBENT MATERIALS AND THEIR CONTAINERS WILL BE ON HAND.

ONCE THE SITE IS PAVED, ALL GROUND-DISTURBING CONSTRUCTION IS COMPLETE, AND THE SURROUNDING DISTURBED AREAS ARE 70% ESTABLISHED WITH VEGETATION AND ACCEPTED BY THE MERIDIAN RANCH SERVICE DISTRICT, ALL TEMPORARY BMPs CAN BE REMOVED. ALL PERMANENT SWALES WILL BE LINED WITH LANDSCAPING TO SLOW RUNOFF AND FILTER SEDIMENTS.

THERE ARE SEVERAL BEST MANAGEMENT PRACTICES THAT CAN BE EMPLOYED TO PREVENT OR MITIGATE THE SOURCE OF POLLUTANTS AND CONTAMINATION OF STORMWATER RUNOFF. SOME OF THESE ARE:

- TO PREVENT RAIN AND SNOW FROM ENTERING.
- * STORAGE CONTAINERS, DRUMS AND BAGS SHALL BE STORED AWAY FROM DIRECT TRAFFIC ROUTES TO PREVENT ACCIDENTAL SPILLS.
 - * CONTAINERS SHALL BE COVERED TO PREVENT COLLECTION OF PRECIPITATION.
 - * CONTAINERS SHALL BE STORED ON PALLETS OR OTHER DUNNAGE TO PREVENT CORROSION OF CONTAINERS, WHICH CAN RESULT WHEN CONTAINERS COME IN CONTACT WITH MOISTURE ON THE GROUND.
 - * REGULARLY SCHEDULED REMOVAL OF CONSTRUCTION TRASH AND DEBRIS.
- THE CONTRACTOR IS NOT LIMITED TO THESE GOOD HOUSEKEEPING MEASURES, AND MAY IMPLEMENT FURTHER CONTROLS AS PRUDENCE AND GOOD JUDGEMENT DEEM NECESSARY.

A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION.

- * EROSION OF VEGETATION STRIPS, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
- * EROSION OF VEGETATION STRIPS, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
- * REMOVED, CHANNEL GRADE REESTABLISHED, AND SIDE SLOPES RE-SEED IF NECESSARY.
- * ANY CHECK DAMS THAT HAVE SHIFTED OR DEGRADED SHALL BE REPAIRED OR REPLACED.
- * ANY FENCE, OR BROKEN WOODEN PARTS OR TORN FABRIC SHALL BE REPAIRED OR REPLACED.
- * ANY ACCUMULATED TRASH OR DEBRIS SHALL BE REMOVED FROM OUTLETS.
- * IF THE VEHICLE TRACKING CONTROL PAD BECOMES INADEQUATE IN PREVENTING TRACK-OUT, THE ROCKS WITHIN THE PAD SHALL BE TURNED TO RE-FRESHEN THE PAD.
- * THE INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT PLAN, WPMW ADMINISTRATOR, AS DESCRIBED IN THE STORMWATER MANAGEMENT PLAN.

ALL DISTURBED AREAS SHALL BE SEEDDED WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING A BROADCAST SEEDER. IF BROADCAST SEEDING IS NOT AVAILABLE, SEEDING BY THE BROADCAST METHOD IS SELECTED THE APPLICATION RATE SHOULD BE DOUBLED. IF HYDROMULCHING IS SELECTED TWO OPERATIONS SHOULD BE CONSIDERED, APPLYING THE SEED FIRST AND THE MULCH IN A SECOND OPERATION. UPON COMPLETION OF SEEDING, THE SEEDING SITE SHOULD BE COVERED WITH WEED FRECHING. THE RATE OF 4,000 LBS. PER ACRE. MULCH SHALL BE INSTALLED PER DOW VOLUME 2, FIGURE M-1, FOUND ON PAGE 3-30.

GRASS MIX FOR QUICK REVEGETATION - ALL SITES:		
GRASS:	VARIETY	PLS LBS PER ACRE
CRESTED WHEAT GRASS	EPHRAIM OR HYCREST	4.0
PERENNIAL RYE	LINN	2.0
WESTERN WHEATGRASS	BARTON	3.0
SMOOTH BROME GRASS	LINCOLN OR MANCHAR	5.0
SIDEOLATS GRAMA	EL RENO	2.5
TOTAL:		16.5

1. ALL DISTURBED AREAS NOT COVERED BY PAVEMENT OR SEED/MULCH SHALL BE PERMANENTLY LANDSCAPED ACCORDING TO THE LANDSCAPE PLAN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PLAN THROUGHOUT CONSTRUCTION AND PERFORMING INSPECTIONS/MAINTENANCE PER THE CDPHE PERMIT, UNTIL SUCH TIME THE PERMIT IS CLOSED.
3. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPOSE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THIS INCLUDES PRIVATE AND PUBLIC UTILITIES.
4. STORMWATER QUALITY IS PROVIDED FOR THIS SITE BY BEST MANAGEMENT PRACTICES LOCATED IN THE NORTHEAST CORNER OF STAPLETON DRIVE AND MERIDIAN RANCH BOULEVARD.
5. NO WETLANDS WERE OBSERVED WITHIN THE LIMITS OF CONSTRUCTION FOR THE PROJECT.
6. IF REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL LOCAL AND STATE PERMITS AND AUTHORIZATION TO DISCHARGE DEWATERING ACTIVITIES. GROUNDWATER SHALL BE SAMPLED AND SENT TO AN APPROVED LABORATORY FOR TESTING PRIOR TO BEING DISCHARGED. TESTING SHALL BE IN ACCORDANCE WITH PERMIT FOR STORMWATER DISCHARGE.
7. DEDICATED ASPHALT OR CONCRETE BATCH PLANTS ARE NOT ANTICIPATED TO BE LOCATED ON THIS PROJECT SITE.
8. ALL EROSION CONTROL MEASURES TO BE INSTALLED PER DETAILS AND SPECIFICATIONS SHOWN WITHIN THESE PLANS OR THE STORMWATER MANAGEMENT PLAN (SWMP) REPORT.
9. REFER TO THE "GEOLOGIC HAZARDS EVALUATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION, MERIDIAN RANCH SUBDIVISION COMMERCIAL CENTER AND FILING NO. 48" PREPARED BY CLTHOMPSON SEPTEMBER 10, 2013.
10. ALL BMP'S SHALL BE INSTALLED PER EL PASO COUNTY REQUIREMENTS AND DETAILS, SEE SHEET C1.4.
11. ALL CONTOURS SHOWN ARE FINISHED SURFACE.

CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY DEVELOPMENT (PCD) AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTIONERS.

2. 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 STATE WATERS, INCLUDING WETLANDS.

3. 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.

4. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER. SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.

5. ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STATE 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 PCD INSPECTIONS STAFF.

6. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPs SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.

7. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.

8. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).

9. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPs AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.

10. ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE 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.

11. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.

12. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.

13. EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1.

14. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMPs MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

15. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.

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, TRUCK SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.

17. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SLASH FROM THE STORMWATER CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.

18. 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.

19. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED TO STORMWATER. WITHOUT PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.

20. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.

21. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCH LINE.

22. INDIVIDUALS 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 INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

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


24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

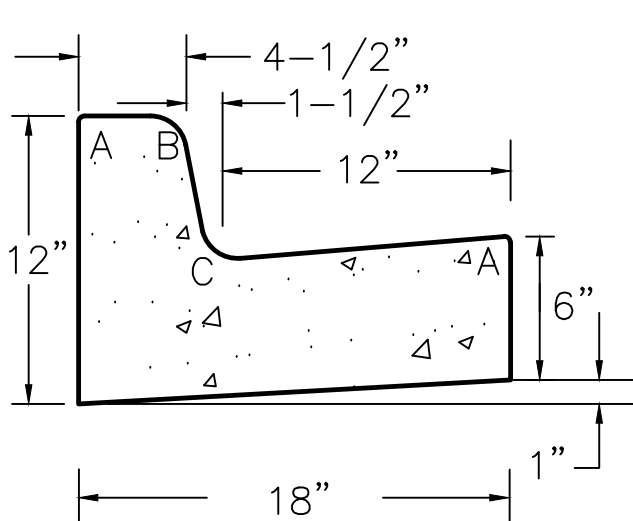
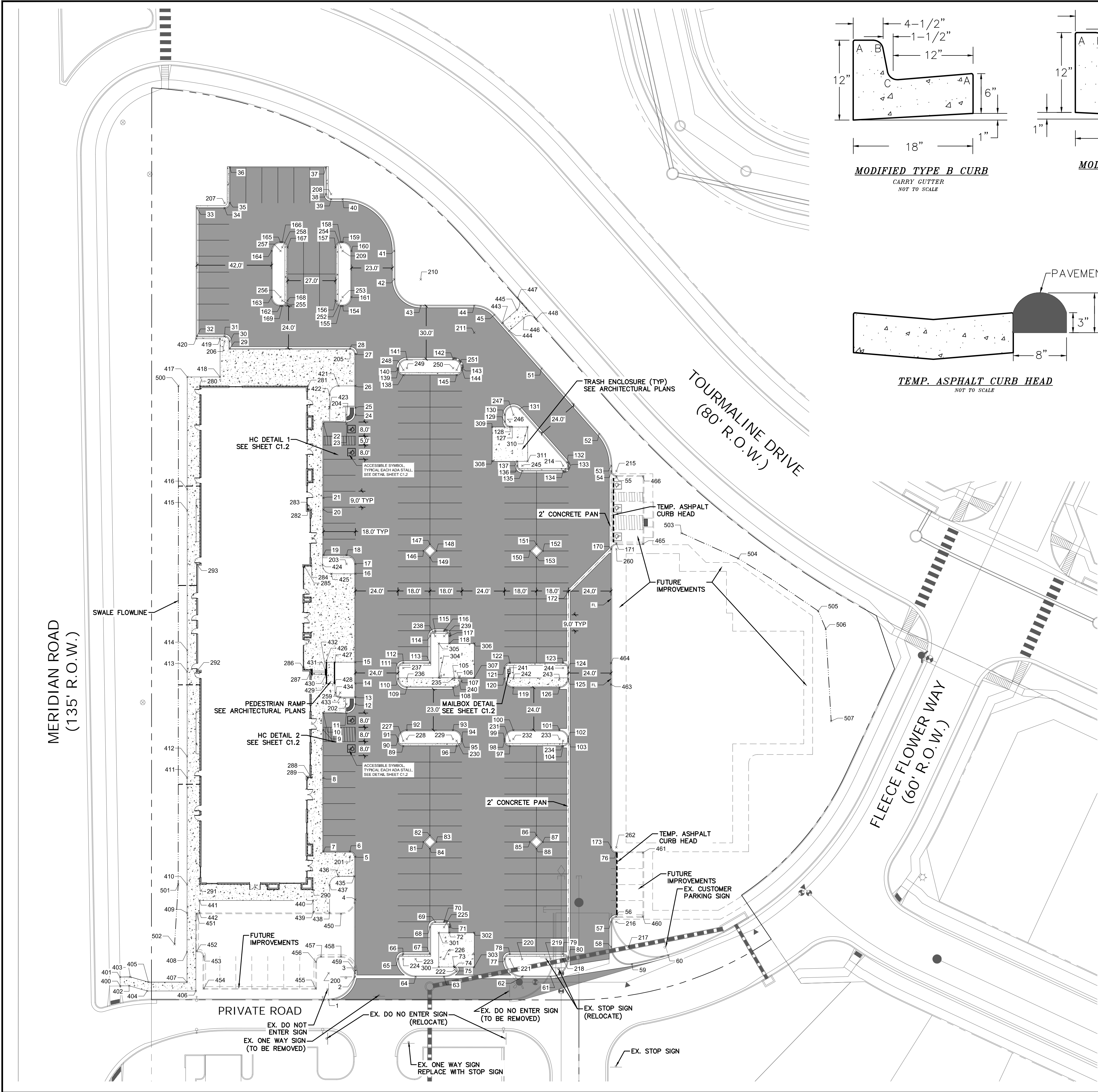
25. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

26. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY _____ AND SHALL BE CONSIDERED A PART OF THESE PLANS.

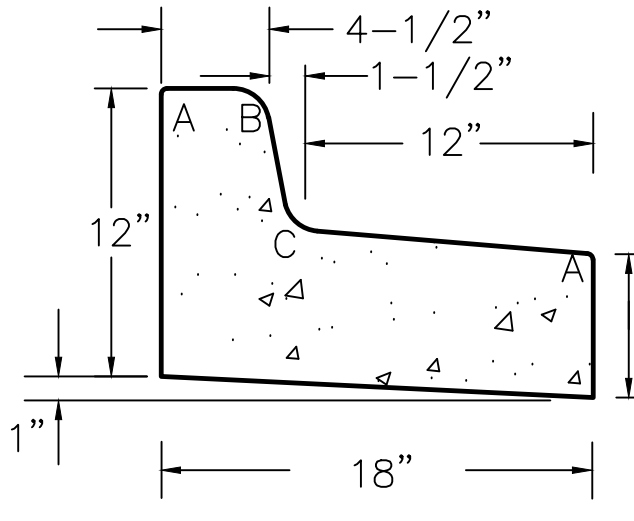
27. AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. 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
WOOD PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

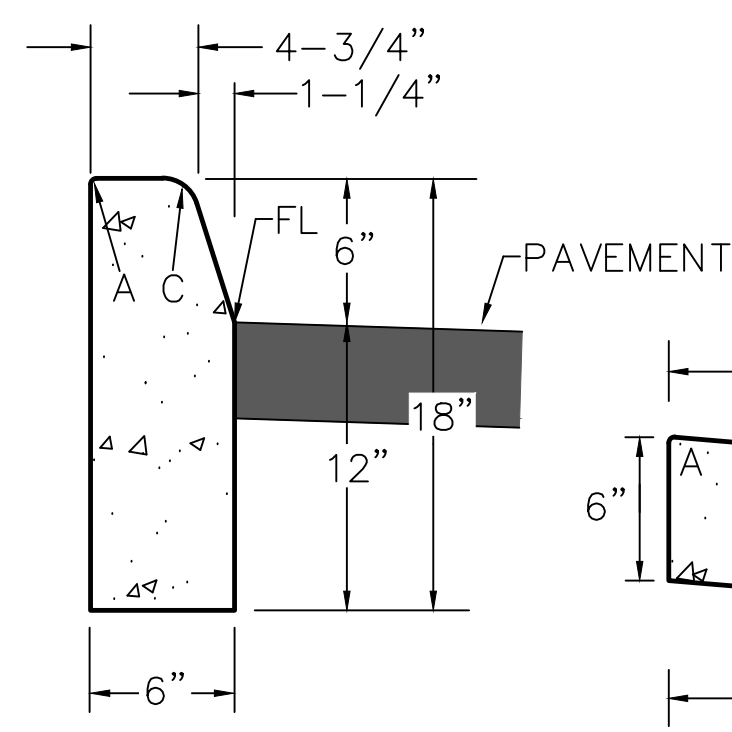
<div>Scale</div> <div>AS SHOWN</div> <div>SHEET</div> <div>C3.0</div>	<div>Drawn by</div> <div>LCG</div>	<div>LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1</div> <div>SITE CONSTRUCTION DOCUMENTS</div> <div>EROSION CONTROL</div>	<div>MERIDIAN RANCH</div>	<div>TECH CONTRACTORS</div> <div>11886 STAPLETON DRIVE</div> <div>FALCON, CO 80831</div> <div>TELEPHONE: 719.495.7444</div> <div>FAX: 719.495.2457</div>							
	<div>Checked by</div> <div>TAK</div>										
	<div>Date</div> <div>MARCH 2019</div>										
					No.	Revisions	Date	Invt.	Appr.	Date	



MODIFIED TYPE B CURB
CARRY GUTTER
NOT TO SCALE

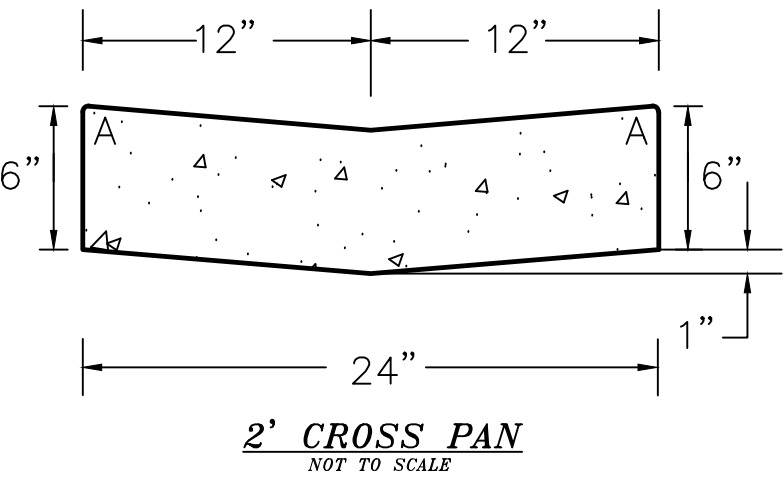


MODIFIED TYPE B CURB
SPILL GUTTER
NOT TO SCALE

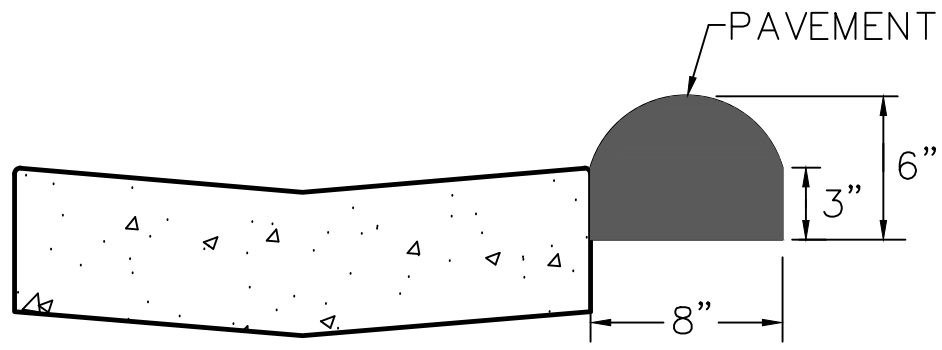


TYPE 2 CURB
NOT TO SCALE

LEGEND FOR RADII	
A	1/8" TO 1/4"
B	1-1/2"
C	1-1/2" TO 2"



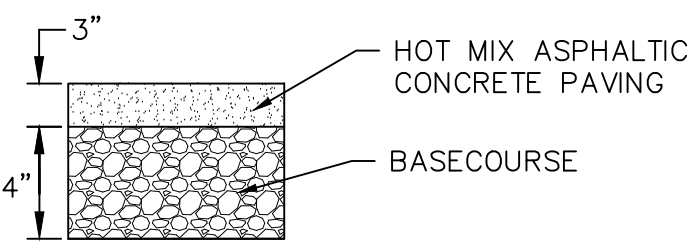
2' CROSS PAN
NOT TO SCALE



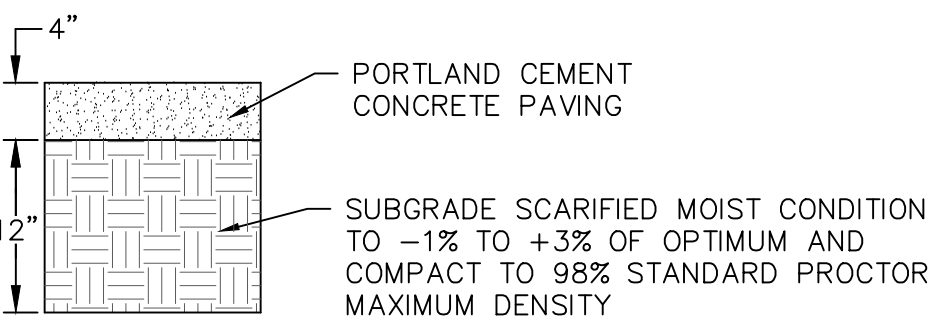
TEMP. ASPHALT CURB HEAD
NOT TO SCALE

PAVING NOTES

1. SEE SHEET C1.1 FOR SITE GENERAL NOTES.
2. SITE PREPARATION, GRADING, PAVING RECOMMENDATIONS, AND EXCAVATION PROCEDURES SHALL CONFORM TO THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL STUDY PREPARED BY CLT THOMPSON., DATED SEPTEMBER 09, 2013.
3. BUILDING LAYOUT SHOWN ON THIS PLAN WAS PROVIDED BY YOW ARCHITECTS.
4. SEE BELOW FOR PAVING DETAILS.
5. ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB AND FACE OF BUILDING UNLESS NOTED OTHERWISE.
6. REFER TO SHEET C1.2 FOR ACCESSIBLE STALL AND RAMP DETAILS.
7. REFER TO SHEET C8.0 FOR STORM DRAINAGE INFORMATION.
8. CONTRACTOR TO CONFIRM INSTALLATION OF IRRIGATION SLEEVES PRIOR TO PAVING.
9. REFER TO ARCHITECTURAL AND ELECTRICAL PLANS FOR DETAILS REGARDING SITE LIGHTING.
10. ALL ACCESSIBLE PARKING STALLS SHALL MEET THE REQUIREMENTS OF ADAAG SECTION 4.6. ALL ACCESSIBLE PARKING SHALL BE CONSTRUCTED WITH A MAX SLOPE OF 2.00% IN ANY DIRECTION.
11. ALL ACCESSIBLE ROUTES SHALL MEET THE REQUIREMENTS OF ADAAG SECTION 4.3. ALL ACCESSIBLE ROUTES SHALL BE CONSTRUCTED WITH A MAX CROSS SLOPE OF 2.00% AND A MAX LONGITUDINAL SLOPE OF 5.00%.
12. ALL ACCESSIBLE RAMPS SHALL MEET THE REQUIREMENTS OF ADAAG SECTION 4.7 & 4.8.
13. REFER TO ARCHITECTURAL PLANS FOR TRASH ENCLOSURE DETAILS & PATIO AREA DETAILS
14. FINAL PAVEMENT SECTION TO BE DETERMINED BY SOILS ENGINEER.
15. MARK AN "X" ON TOP OF CURB AT ALL SLEEVE LOCATIONS. REFER TO C7.0 FOR SLEEVE LOCATIONS.



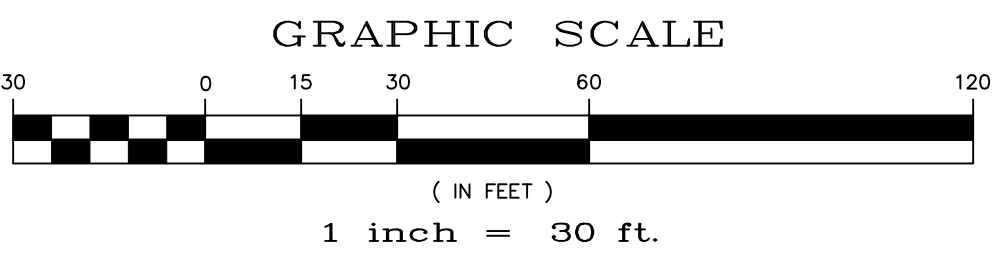
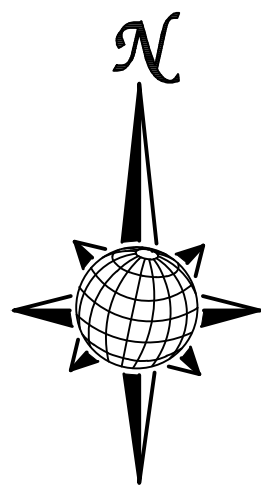
ASPHALTIC CONCRETE PAVEMENT SECTION
NOT TO SCALE




CONCRETE SIDEWALK SECTION
NOT TO SCALE

PAVEMENT LEGEND

FL	BOC	MODIFIED TYPE B CURB AND GUTTER SPILL GUTTER (1' PAN) (ALL OTHER SHALL BE CARRY GUTTER)
EOG		
FL	BOC	MODIFIED TYPE B CURB AND GUTTER CARRY GUTTER (1' PAN)
EOG		
		TYPE 2 CURB
		TEMPORARY ASPHALT CURB HEAD
		ASPHALTIC CONCRETE PAVING. SEE PAVEMENT SECTION C3.2
		6" PORTLAND CEMENT CONCRETE PAVING. SEE PAVEMENT SECTION C3.2
		4" PORTLAND CEMENT CONCRETE PAVING. SEE PAVEMENT SECTION C3.2





TWO WORKING DAYS
BEFORE YOU DIG
CALL 811

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

<div>Scale</div> <div>AS SHOWN</div> <div>SHEET</div> <div>C4.0</div>		<div>Drawn by</div> <div>LCG</div> <div>Checked by</div> <div>TAK</div> <div>Date</div> <div>MARCH 2019</div>	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1			<div><div>MERIDIAN RANCH</div></div> <div>TECH CONTRACTORS</div> <div>11886 STAPLETON DRIVE</div> <div>FALCON, CO 80831</div> <div>TELEPHONE: 719.495.7444</div> <div>FAX: 719.495.2457</div>														
			SITE CONSTRUCTION DOCUMENTS																	
			HORIZONTAL CONTROL & PAVING																	

S:\Civil\Shops Phase 2\DWG\Plus Specs\Improvement Plans\THE SHOPS LOT 4 CIVIL PLANS.dwg, 3/15/2019 10:31:54 AM

Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
1	12229.69	6510.97	FL
2	12242.81	6525.86	FL
3	12244.69	6525.98	FL
4	12286.15	6525.99	FL
5	12310.30	6526.00	FL
6	12313.30	6523.00	FL
7	12313.31	6508.00	FL
8	12354.71	6508.02	FL
9	12381.71	6508.03	FL
10	12391.31	6508.03	FL
11	12391.30	6521.03	FL
12	12396.30	6526.03	FL
13	12400.30	6526.03	FL
14	12407.95	6526.04	FL
15	12419.95	6526.04	FL
16	12469.80	6526.06	FL
17	12475.30	6526.06	FL
18	12480.30	6521.06	FL
19	12480.31	6508.06	FL
20	12505.96	6508.07	FL
21	12512.56	6508.07	FL
22	12554.31	6508.09	FL
23	12554.30	6521.09	FL
24	12559.30	6526.09	FL
25	12563.30	6526.09	FL
26	12575.65	6526.09	FL
27	12593.69	6526.10	FL
28	12596.69	6523.10	FL
29	12596.71	6455.35	FL
30	12600.71	6455.35	FL

Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
31	12603.72	6452.35	FL
32	12603.72	6436.85	FL
33	12675.72	6436.88	FL
34	12675.72	6452.38	FL
35	12678.71	6455.38	FL
36	12698.71	6455.39	FL
37	12698.70	6509.39	FL
38	12683.70	6509.38	FL
39	12680.69	6512.38	FL
40	12680.69	6518.88	FL
41	12651.68	6547.87	FL
42	12635.68	6547.87	FL
43	12620.68	6562.86	FL
44	12620.67	6592.97	FL
45	12615.58	6604.22	FL
51	12585.34	6630.87	FL
52	12548.50	6663.34	FL
53	12530.64	6670.08	FL
54	12527.64	6670.08	FL
55	12524.63	6673.08	FL
56	12276.64	6672.99	FL
57	12273.64	6669.99	FL
58	12259.54	6669.98	FL
59	12249.71	6681.80	FL
60	12254.75	6702.33	FL
61	12242.65	6635.98	FL
62	12242.66	6619.98	FL
63	12242.67	6575.98	FL
64	12242.68	6559.98	FL
65	12252.68	6549.98	FL

Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
66	12255.68	6552.98	FL
67	12255.67	6567.98	FL
68	12270.67	6567.99	FL
69	12273.67	6570.99	FL
70	12273.67	6575.99	FL
71	12270.67	6578.99	FL
72	12267.50	6578.99	FL
73	12248.17	6581.81	FL
74	12248.17	6582.00	FL
75	12245.61	6583.06	FL
76	12312.64	6673.00	FL
77	12252.66	6609.98	FL
78	12255.66	6612.98	FL
79	12255.65	6642.98	FL
80	12252.65	6645.98	FL
81	12318.68	6564.47	FL
82	12322.21	6568.00	FL
83	12318.67	6571.54	FL
84	12315.14	6568.00	FL
85	12318.65	6624.47	FL
86	12322.19	6628.00	FL
87	12318.65	6631.54	FL
88	12315.12	6628.00	FL
89	12372.68	6553.02	FL
90	12375.68	6550.02	FL
91	12376.68	6550.02	FL
92	12381.68	6555.03	FL
93	12381.67	6581.03	FL
94	12376.67	6586.02	FL
95	12375.67	6586.02	FL

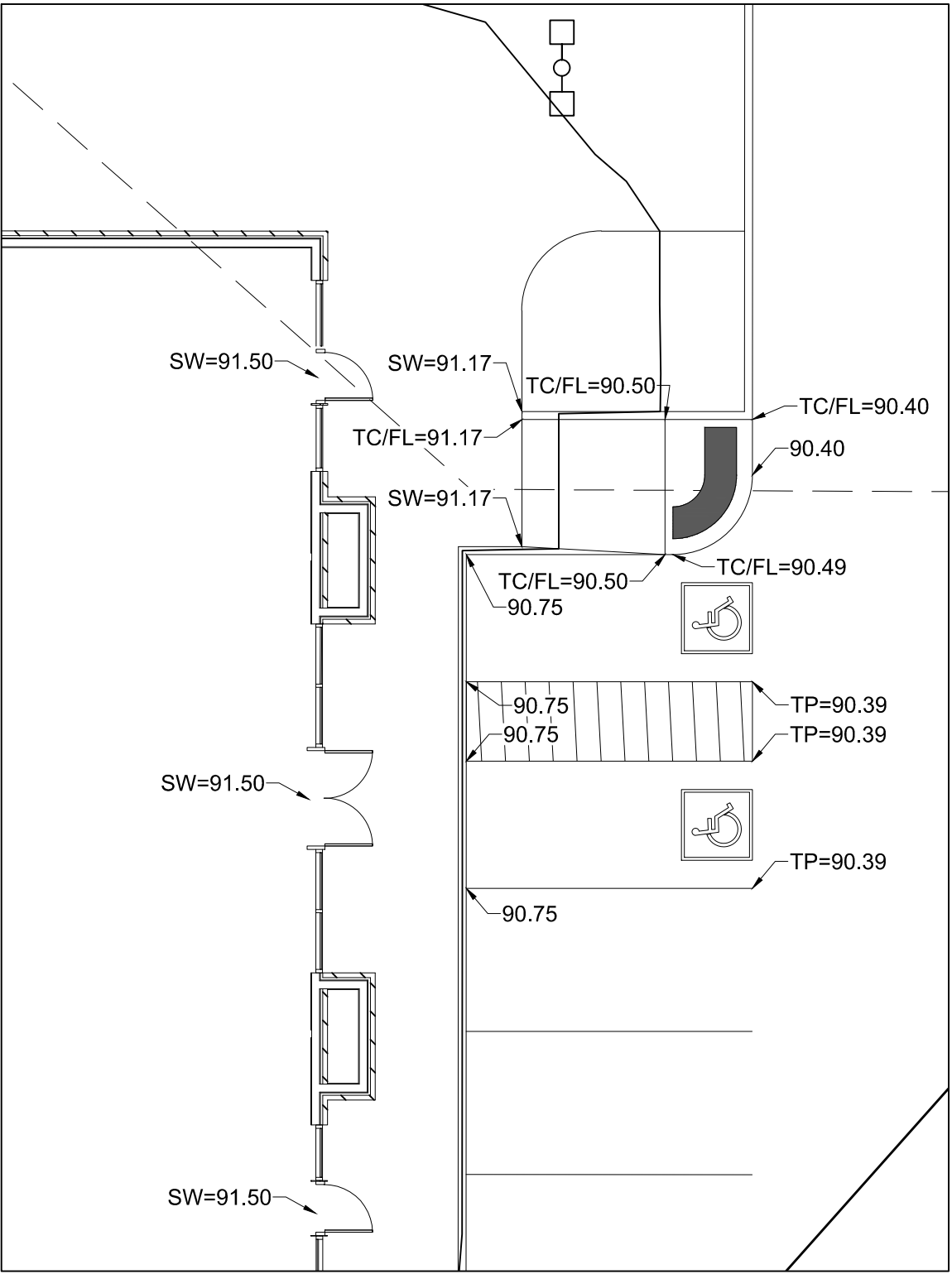
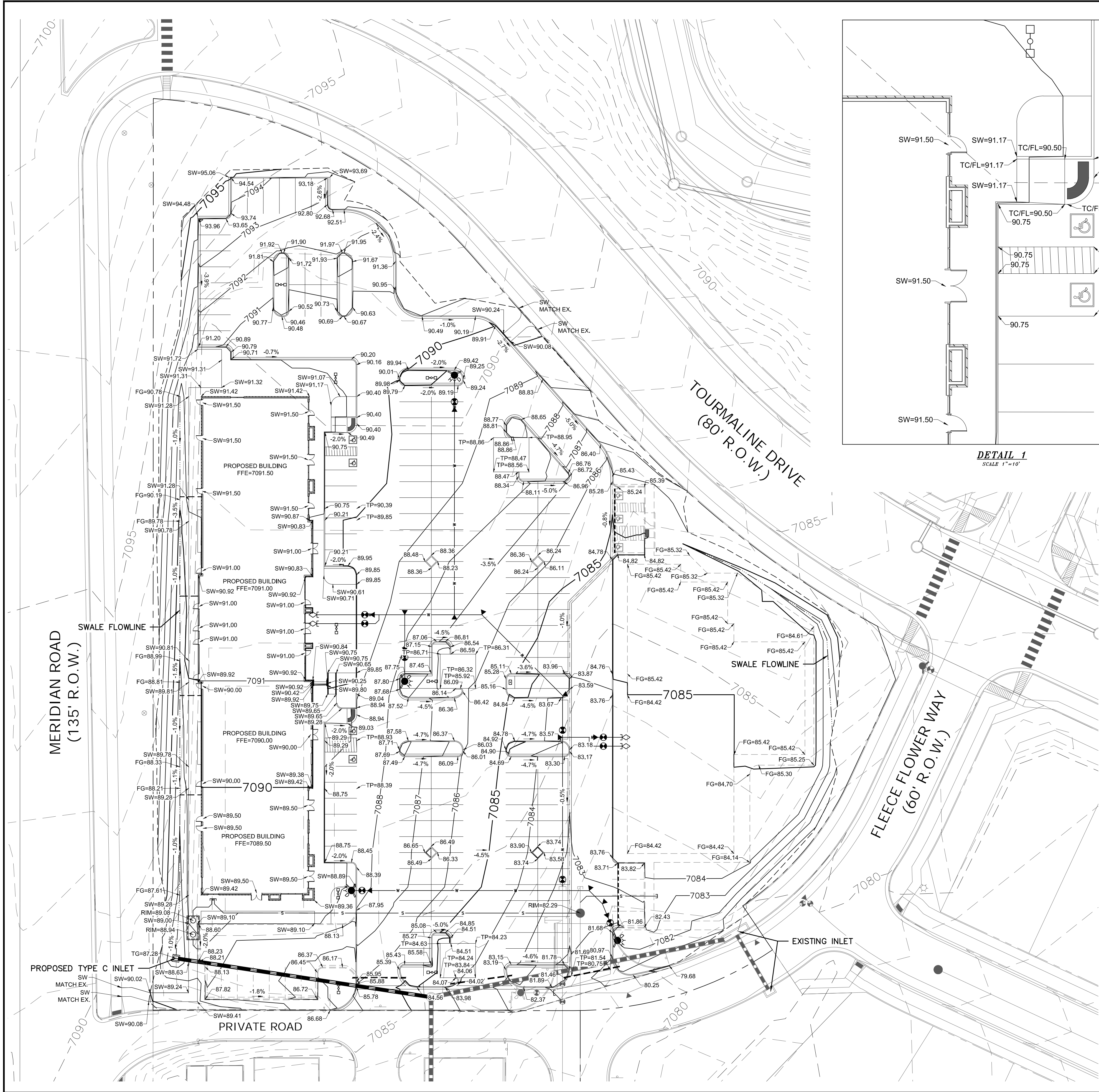
Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
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97	12372.66	6613.02	FL
98	12375.66	6610.02	FL
99	12376.66	6610.02	FL
100	12381.66	6615.03	FL
101	12381.65	6641.03	FL
102	12376.65	6646.02	FL
103	12375.65	6646.02	FL
104	12372.65	6643.02	FL
105	12411.17	6581.87	FL
106	12411.17	6584.39	FL
107	12409.24	6585.83	FL
108	12405.67	6581.03	FL
109	12405.68	6555.03	FL
110	12410.68	6550.04	FL
111	12416.68	6550.04	FL
112	12419.68	6553.04	FL
113	12419.67	6568.04	FL
114	12434.67	6568.04	FL
115	12437.67	6571.05	FL
116	12437.67	6576.05	FL
117	12434.67	6579.04	FL
118	12430.50	6579.04	FL
119	12405.66	6615.03	FL
120	12410.66	6610.04	FL
121	12416.66	6610.04	FL
122	12419.66	6613.04	FL
123	12419.65	6643.04	FL
124	12416.65	6646.04	FL
125	12410.65	6646.04	FL

Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
126	12405.65	6641.03	FL
127	12552.49	6614.25	FL
128	12552.49	6613.09	FL
129	12555.49	6610.09	FL
130	12559.38	6610.09	FL
131	12562.69	6618.84	FL
132	12532.63	6645.33	FL
133	12530.65	6646.08	FL
134	12527.65	6643.08	FL
135	12527.66	6620.08	FL
136	12530.66	6617.08	FL
137	12533.16	6617.08	FL
138	12581.68	6553.10	FL
139	12584.68	6550.10	FL
140	12585.68	6550.10	FL
141	12590.68	6555.10	FL
142	12590.67	6581.10	FL
143	12585.67	6586.10	FL
144	12584.67	6586.10	FL
145	12581.67	6583.10	FL
146	12482.68	6564.53	FL
147	12486.21	6568.06	FL
148	12482.67	6571.60	FL
149	12479.14	6568.06	FL
150	12482.65	6624.53	FL
151	12486.19	6628.06	FL
152	12482.65	6631.60	FL
153	12479.12	6628.06	FL
154	12620.69	6518.86	FL
155	12620.69	6517.86	FL

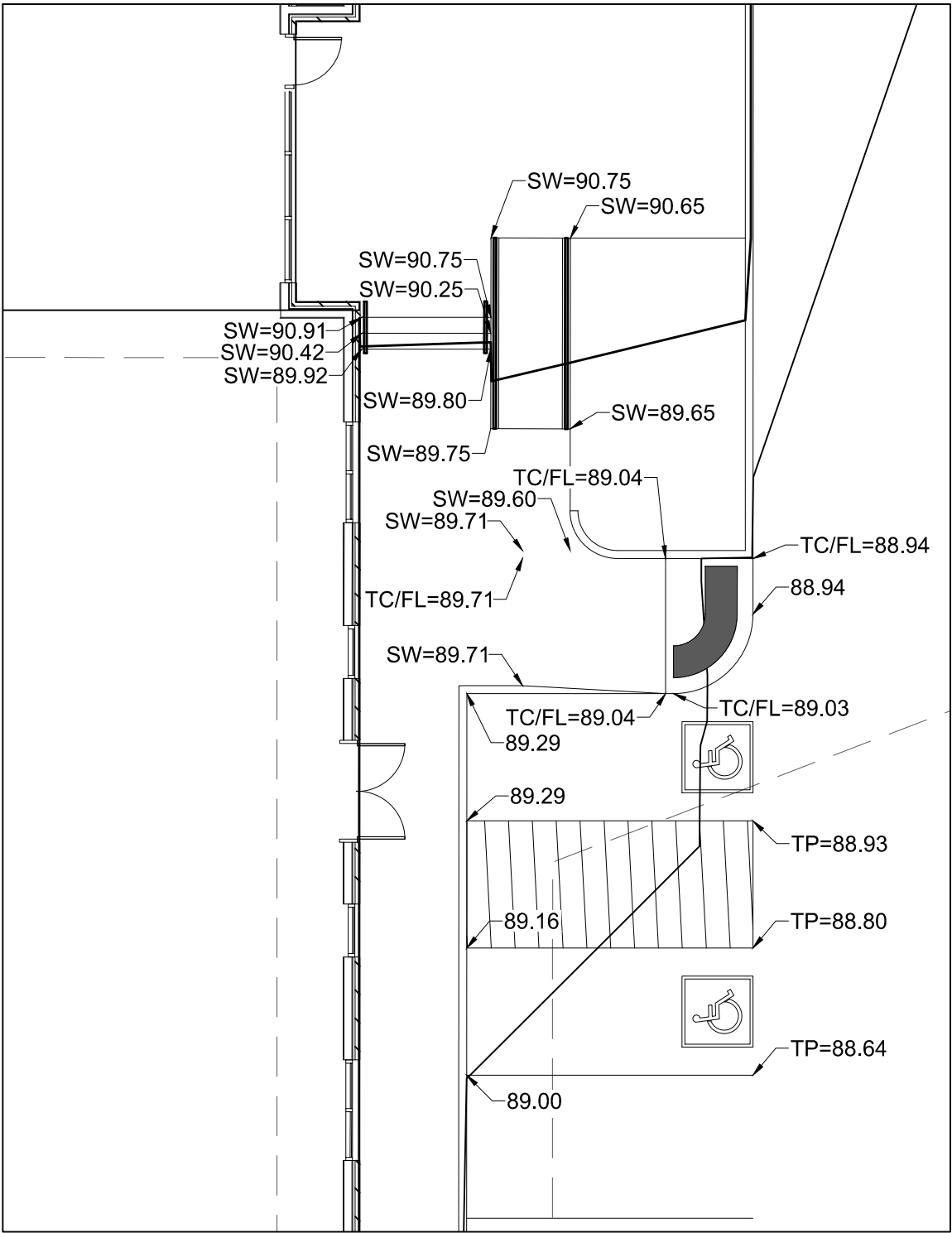
Point Table				Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION	POINT #	NORTHING	EASTING	DESCRIPTION
156	12623.69	6514.86	FL	214	12530.65	6643.08	FL 27' & 3' RADIUS
157	12653.69	6514.87	FL	215	12527.63	6673.08	FL 3' RADIUS
158	12656.69	6517.87	FL	216	12273.64	6672.99	FL 3' RADIUS
159	12656.69	6518.87	FL	217	12259.54	6679.98	FL 10' RADIUS
160	12651.69	6523.87	FL	218	12252.65	6642.98	FL 3' RADIUS
161	12625.69	6523.86	FL	219	12252.65	6635.98	FL 10' RADIUS
162	12620.70	6483.86	FL	220	12252.66	6619.98	FL 10' RADIUS
163	12625.71	6478.86	FL	221	12252.66	6612.98	FL 3' RADIUS
164	12651.71	6478.87	FL	222	12246.67	6582.00	FL 1.5' RADIUS
165	12656.70	6483.87	FL	223	12252.68	6559.98	FL 10' RADIUS
166	12656.70	6484.87	FL	224	12252.68	6552.98	FL 3' RADIUS
167	12653.70	6487.87	FL	225	12270.67	6575.99	FL 3' RADIUS
168	12623.70	6487.86	FL	226	12252.72	6575.99	FL 10' RADIUS
169	12620.70	6484.86	FL	227	12375.68	6553.02	FL 3' RADIUS
170	12483.64	6670.06	FL	228	12376.68	6555.02	FL 5' RADIUS
171	12486.63	6673.06	FL	229	12376.67	6581.02	FL 5' RADIUS
172	12459.64	6646.05	FL	230	12375.67	6583.02	FL 3' RADIUS
173	12315.64	6670.00	FL	231	12375.66	6613.02	FL 3' RADIUS
200	12244.69	6510.98	FL 15' RADIUS	232	12376.66	6615.02	FL 5' RADIUS
201	12310.30	6523.00	FL 3' RADIUS	233	12376.65	6641.02	FL 5' RADIUS
202	12396.30	6521.03	FL 5' RADIUS	234	12375.65	6643.02	FL 3' RADIUS
203	12475.30	6521.06	FL 5' RADIUS	235	12410.67	6581.04	FL 5' RADIUS
204	12559.30	6521.09	FL 5' RADIUS	236	12410.68	6555.04	FL 5' RADIUS
205	12593.69	6523.10	FL 3' RADIUS	237	12416.68	6553.04	FL 3' RADIUS
206	12600.72	6452.35	FL 3' RADIUS	238	12434.67	6571.04	FL 3' RADIUS
207	12678.72	6452.38	FL 3' RADIUS	239	12434.67	6576.04	FL 3' RADIUS
208	12683.69	6512.38	FL 3' RADIUS	240	12409.67	6584.39	FL 1.5' RADIUS
209	12651.69	6518.87	FL 29' & 5' RADIUS	241	12416.66	6613.04	FL 3' RADIUS
210	12635.68	6562.87	FL 15' RADIUS	242	12410.66	6615.04	FL 5' RADIUS
211	12605.67	6592.96	FL 15' RADIUS	243	12410.65	6641.04	FL 5' RADIUS

Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
244	12416.65	6643.04	FL 3' RADIUS
245	12530.66	6620.08	FL 3' RADIUS
246	12555.49	6613.09	FL 3' RADIUS
247	12559.38	6615.09	FL 5' RADIUS
248	12584.68	6553.10	FL 3' RADIUS
249	12585.68	6555.10	FL 5' RADIUS
250	12585.67	6581.10	FL 5' RADIUS
251	12584.67	6583.10	FL 3' RADIUS
252	12623.69	6517.86	FL 3' RADIUS
253	12625.69	6518.86	FL 5' RADIUS
254	12653.69	6517.87	FL 3' RADIUS
255	12623.70	6484.86	FL 3' RADIUS
256	12625.70	6483.86	FL 5' RADIUS
257	12651.70	6483.87	FL 5' RADIUS
258	12653.70	6484.87	FL 3' RADIUS
259	12402.80	6517.53	FL 3' RADIUS
260	12483.63	6673.06	FL 3' RADIUS
262	12315.64	6673.00	FL 3' RADIUS
280	12575.68	6438.37	BUILDING CORNER
281	12575.66	6499.37	BUILDING CORNER
282	12505.96	6499.35	BUILDING CORNER
283	12505.96	6501.35	BUILDING CORNER
284	12474.00	6501.33	BUILDING CORNER
285	12474.01	6497.33	BUILDING CORNER
286	12415.96	6497.31	BUILDING CORNER
287	12415.96	6501.31	BUILDING CORNER
288	12354.71	6501.29	BUILDING CORNER
289	12354.71	6499.29	BUILDING CORNER
290	12291.66	6502.27	BUILDING CORNER
291	12294.68	6438.27	BUILDING CORNER

Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
292	12414.66	6436.60	BUILDING CORNER
293	12475.68	6436.34	BUILDING CORNER
300	12248.17	6572.98	TRASH ENCLOSURE CORNER
301	12267.51	6572.99	TRASH ENCLOSURE CORNER
302	12267.50	6592.99	TRASH ENCLOSURE CORNER
303	12248.17	6592.98	TRASH ENCLOSURE CORNER
304	12411.17	6573.04	TRASH ENCLOSURE CORNER
305	12430.51	6573.04	TRASH ENCLOSURE CORNER
306	12430.50	6593.04	TRASH ENCLOSURE CORNER
307	12411.17	6593.04	TRASH ENCLOSURE CORNER
308	12533.16	6603.08	TRASH ENCLOSURE CORNER
309	12552.50	6603.09	TRASH ENCLOSURE CORNER
310	12552.49	6623.09	TRASH ENCLOSURE CORNER
311	12533.16	6623.08	TRASH ENCLOSURE CORNER
400	12237.53	6393.62	SW
401	12242.53	6393.53	SW
402	12237.61	6398.62	SW
403	12242.63	6399.28	SW
404	12234.69	6408.79	SW
405	12239.69	6409.49	SW
406	12234.68	6436.22	SW
407	12239.68	6431.23	SW
408	12256.68	6431.23	SW
409	12278.69	6431.24	SW
410	12294.69	6431.27	SW
411	12354.93	6431.29	SW
412	12366.93	6431.30	SW
413	12414.66	6431.31	SW
414	12426.66	6431.32	SW
415	12505.43	6431.35	SW



DETAIL 1
SCALE 1"=10'



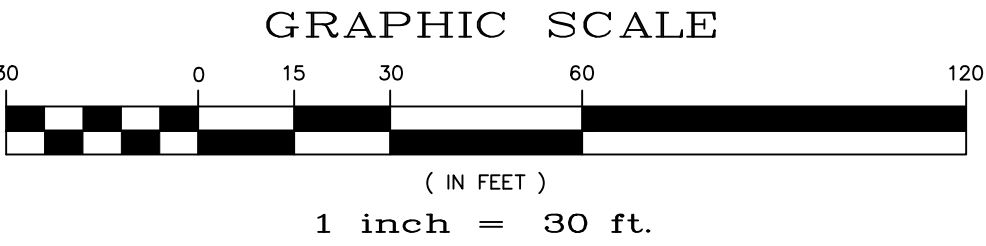
DETAIL 2
SCALE 1"=10'

LEGEND		
SYMBOL	ACRONYM	DESCRIPTION
	RCP	REINFORCED CONCRETE PIPE
	SF	SILT FENCE PER DETAIL SF-1, SF-2 & SF-3 DCM VOL. 2
	VT-C	VEHICLE TRACKING CONTROL PER DETAIL VT-2 DCM VOL. 2
	IP	INLET PROTECTION PER DETAIL SHEET 22
		LIMITS OF GRADING
		EXISTING CONTOUR (10')
		EXISTING CONTOUR (2')
		PROPOSED CONTOUR (10')
		PROPOSED CONTOUR (2')

NOTES:

- ALL ELEVATIONS ARE FLOWLINE UNLESS NOTED OTHERWISE.
- ADD 7000 FT. TO ALL SPOT ELEVATIONS.
- ALL CONTOURS SHOWN ARE FINISHED SURFACE.
- REFER TO THE "GEOLOGIC HAZARDS EVALUATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION, MERIDIAN RANCH SUBDIVISION COMMERCIAL CENTER AND FILING NO. 48" PREPARED BY CILTHOMPSON SEPTEMBER 10, 2013.

TP = TOP OF PAVEMENT
SW = SIDEWALK
FG = FINISHED GRADE
RIM = RIM ELEVATION
FFE = FINISHED FLOOR ELEVATION
TG = TOP OF GRATE
EX = EXISTING

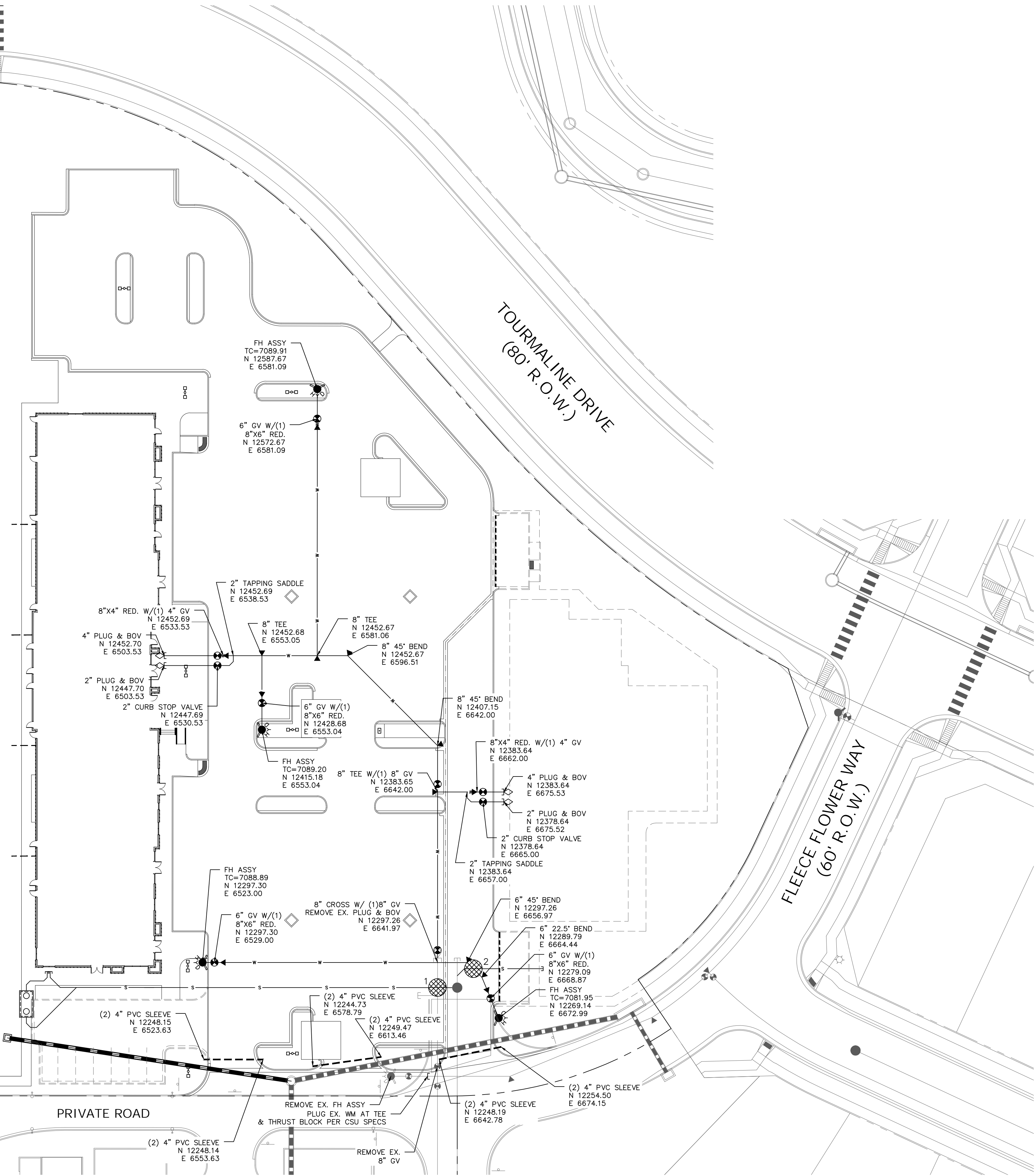


TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Revisions		No.	Date	Init.	Appr.	Date
TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE 719.495.7444 FAX 719.495.2457						
MERIDIAN RANCH						
LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS						
GRADING PLAN						
Scale	AS SHOWN	Drawn by	LG	Checked by	TAK	Date
SHEET		C5.0		MARCH 2019		

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MERIDIAN ROAD
(135' R.O.W.)

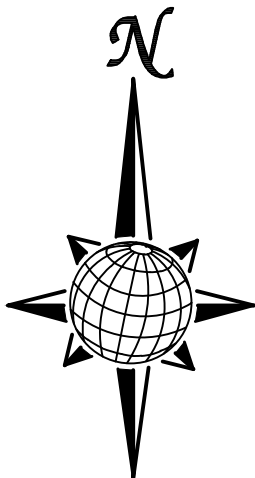


NOTES:

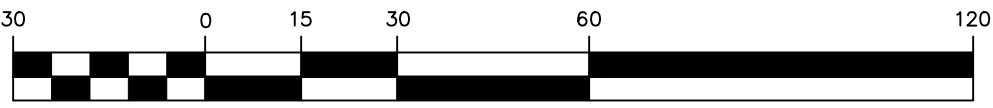
1. MAINTAIN MINIMUM 5'-6" BURY FROM FINISHED SURFACE.
2. SLEEVES TO RECEIVE MARKER BOARDS AT ENDS AND CURB MARKED WITH AN "X" ON TOP OF CURB AT ALL SLEEVE LOCATIONS.
3. SLEEVES FOR IRRIGATION, GAS, ELECTRIC, PHONE, CABLE, ECT. TO BE LOCATED BY OTHERS.

UTILITY CROSSING TABLE

CROSSING #	TOP OF PIPE / BOTTOM OF PIPE	SEPARATION CLEARANCE
1	8" WTR BOP = 7075.34 6" SAN TOP = 7073.08	2'-3"
2	6" WTR BOP = 7076.65 6" SAN TOP = 7073.16	3'-6"



GRAPHIC SCALE



(IN FEET)

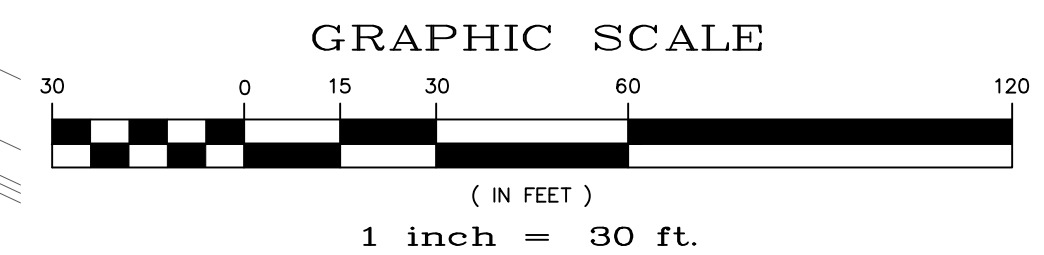
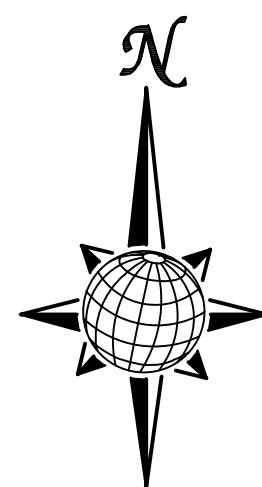
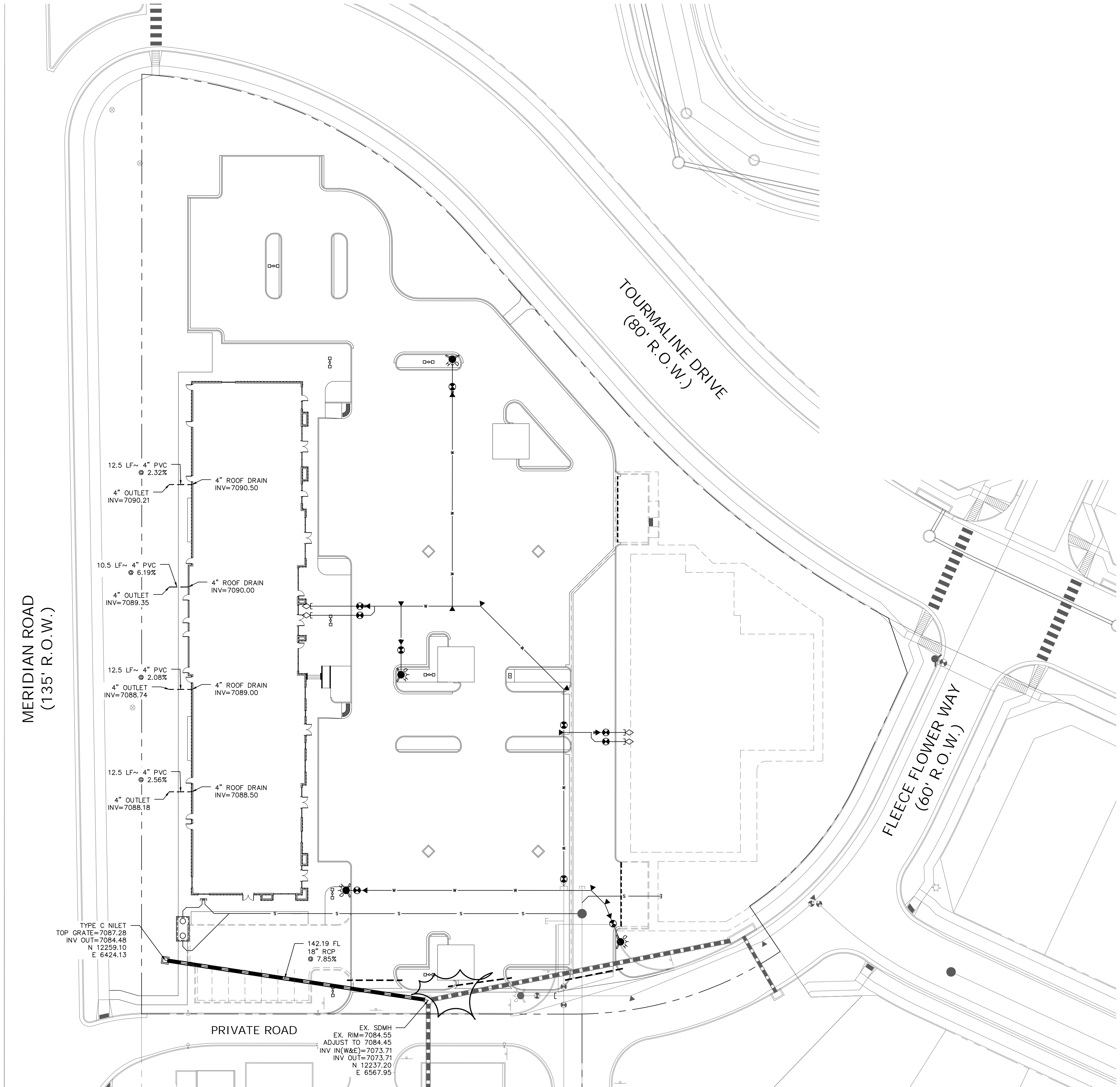
1 inch = 30 ft.



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(SEE COVER FOR LIST OF UTILITY CONTACTS)

Scale	AS SHOWN	Drawn by	LG	SHEET	C7.0	Lot 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS WATER PLAN	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE 719.495.7444 FAX 719.495.2457			Revisions		No.	Date	Init.	Date
		Checked by	TAK												

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- NOTES:**
1. ALL JOINTS ON THE STORM PIPING SHALL BE WATERTIGHT JOINTS.
 2. ALL STORM PIPE SHALL BE CLASS III RCP.

TWO WORKING DAYS
**BEFORE YOU DIG
CALL 811**

OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

Scale AS SHOWN	SHEET C8.0	Drawn by LOG	Checked by TAK	Date MARCH 2019	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS STORM SEWER PLAN			 MERIDIAN RANCH			TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE 719.495.7444 FAX 719.495.2457			No. Revisions			Date Init. Appr. Date