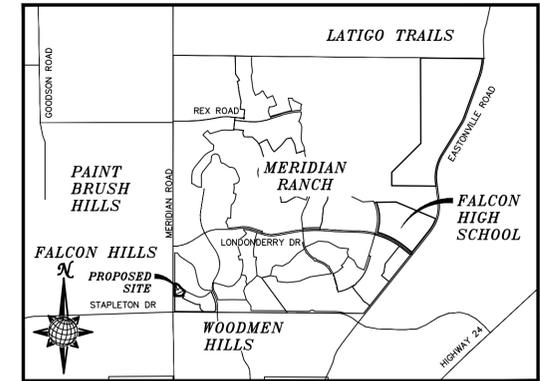


CONSTRUCTION DRAWINGS FOR LOT 4, THE SHOPS FILING NO. 1 AT MERIDIAN RANCH

IMPROVEMENT PLANS

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

A PARCEL OF LAND LOCATED IN A PORTION OF SECTION 30, IN TOWNSHIP 12 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, STATE OF COLORADO.



VICINITY MAP
N.T.S.

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

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

CAUTION - NOTICE TO CONTRACTOR

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 LOCATION CENTER AT LEAST 48 HOURS BEFORE 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.

LEGAL DESCRIPTION:

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

No.	Revisions	Date	Appr.

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
SITE CONSTRUCTION DOCUMENTS
COVER SHEET

Scale AS SHOWN
SHEET C10
Drawn by LGS
Checked by TAK
Date MARCH 2019

BASIS OF BEARING

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).

DISTRICT ENGINEER:

THOMAS A. KERBY, PE CO 31429 DATE
MERIDIAN SERVICE METROPOLITAN DISTRICT

WATER AND SANITARY SEWER APPROVALS:

MILTON GABRIELSKI, PRESIDENT DATE
MERIDIAN SERVICE METROPOLITAN DISTRICT

BENCH MARK

- 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:

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 DATE
GTL DEVELOPMENT, INC.

OWNERS STATEMENT:

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 DATE
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 PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE 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:

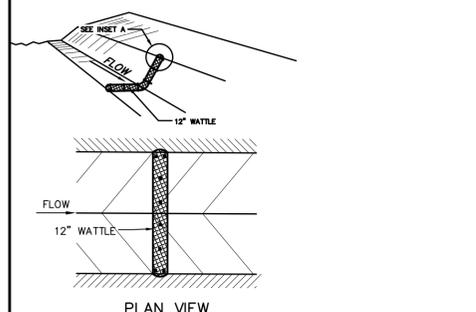
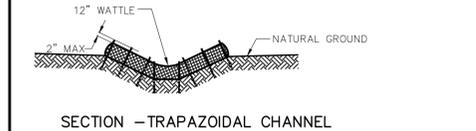
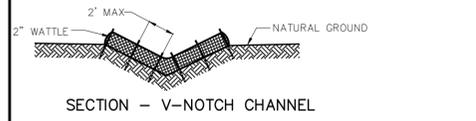
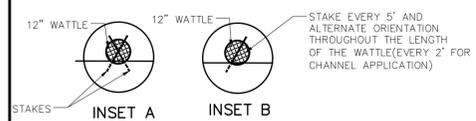
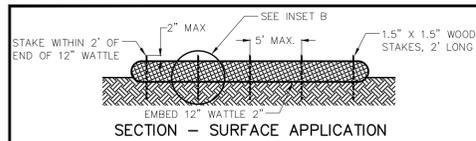
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY 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. DATE
COUNTY ENGINEER / ECM ADMINISTRATOR





NOTES:
USE 2 FT WOODEN STAKES WITH A 1.5 IN BY 1.5 IN NOMINAL CROSS SECTION.

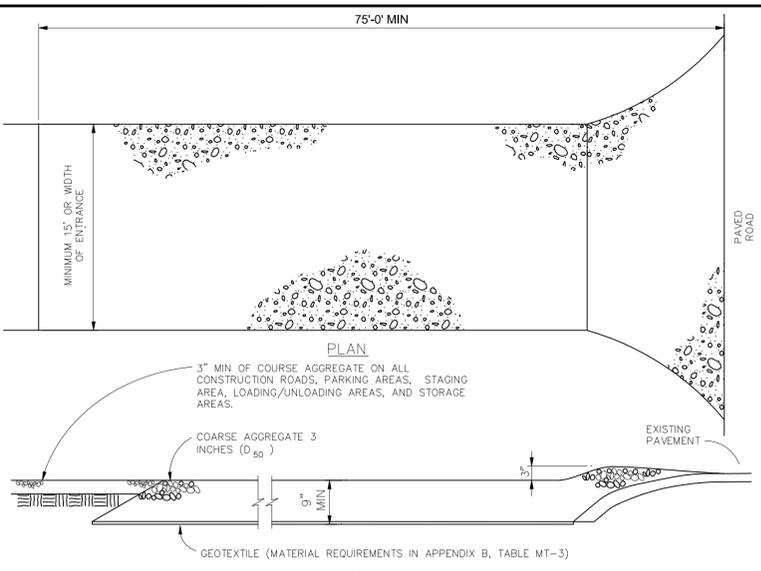
ONLY INSTALL 12" WATTLES TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES OR AS DIRECTED.

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.

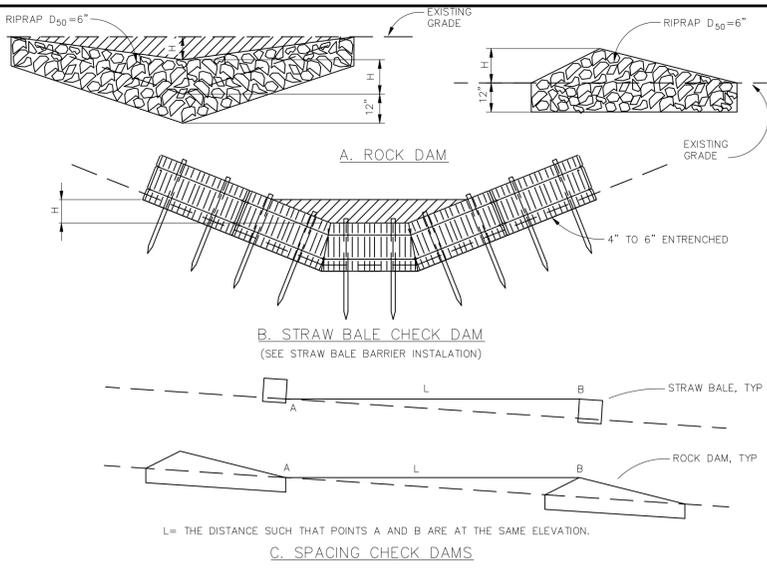
STRAW WATTLES MAY BE USED IN LIEU OF STRAW BALES AND/OR SILT FENCE WITH APPROVAL THE COUNTY, OWNER, ENGINEER, AND SWMP ADMINISTRATOR.



SECTION VEHICLE TRACKING
NTS
VEHICLE TRACKING NOTES

- INSTALLATION REQUIREMENTS**
- ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
 - 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.
 - AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
 - CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
 - CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

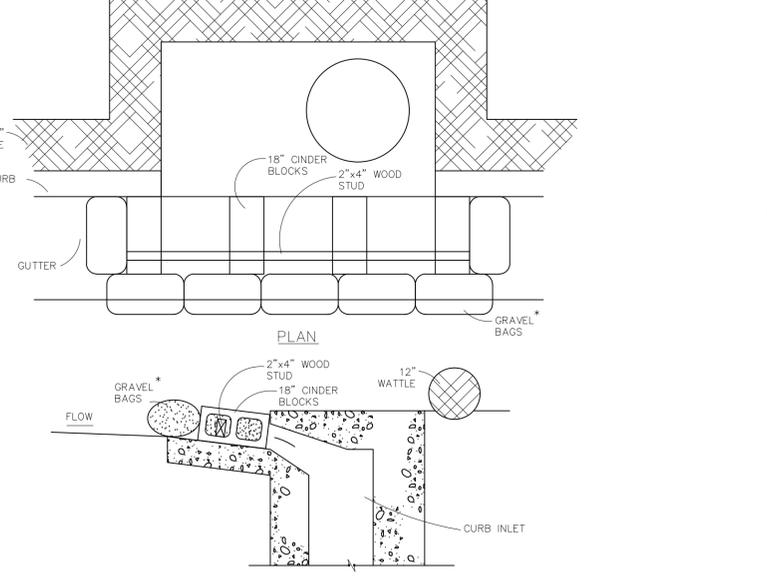
- MAINTENANCE REQUIREMENTS**
- REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
 - STONES ARE TO BE REAPPLIED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
 - SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE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



CHECK DAM
NTS
CHECK DAM NOTES

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

- MAINTENANCE REQUIREMENTS**
- REGULAR INSPECTIONS ARE TO BE MADE OF ALL CHECK DAMS, ESPECIALLY AFTER STORM EVENTS.
 - REPLACE STONE AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE DAM.
 - 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.
 - CHECK DAMS ARE TO REMAIN IN PLACE AND OPERATIONAL UNTIL THE DRAINAGE AREA AND CHANNEL ARE PERMANENTLY STABILIZED.
 - WHEN CHECK DAMS ARE REMOVED THE CHANNEL LINING OR VEGETATION IS TO BE RESTORED.

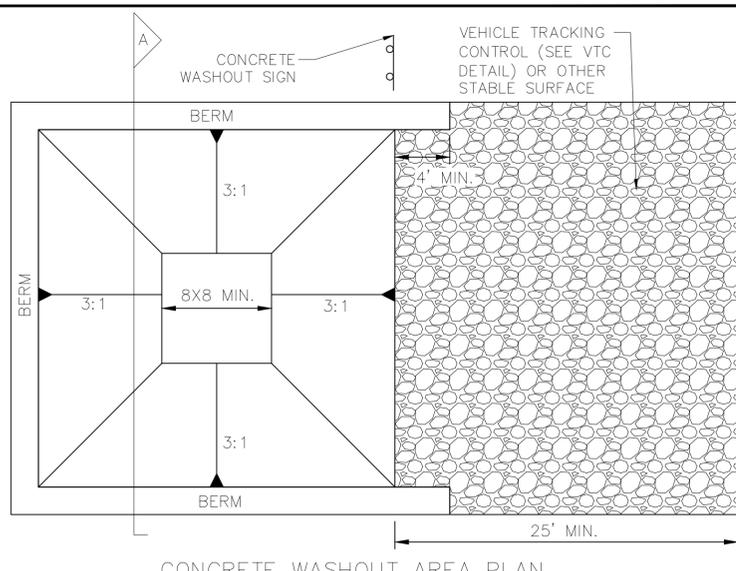


MODIFIED BLOCK AND GRAVEL BAG CURB INLET PROTECTION
NTS

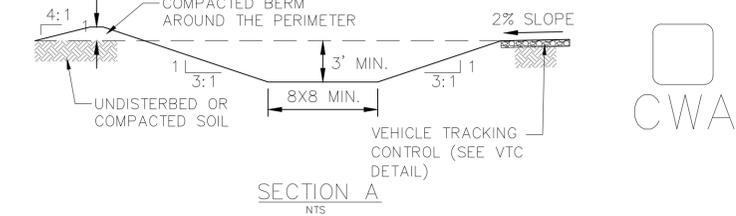
BLOCK AND GRAVEL BAG CURB INLET PROTECTION NOTES

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

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



CONCRETE WASHOUT AREA PLAN
NTS



CWA INSTALLATION NOTES:

- SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
- 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 (18 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED.
- THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
- 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.
- BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE A MINIMUM HEIGHT OF 1'.
- VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
- 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.
- USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA MAINTENANCE NOTES:

- 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.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- 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'.
- 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.
- THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- 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

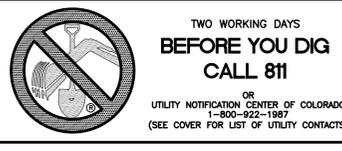
- STRAW BALE BARRIERS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF CERTIFIED WEED FREE HAY OR STRAW AND WEIGH NOT LESS THAN 35 POUNDS.
- BALES ARE TO BE PLACED IN A SINGLE ROW WITH THE ENDS OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
- 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.
- STAKES ARE TO BE A MINIMUM OF 42 INCHES LONG. METAL STAKES SHALL BE STANDARD "T" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.35 POUNDS PER LINEAR FOOT. WOOD STAKES SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
- 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.
- GAPS BETWEEN BALES ARE TO BE CHINKED (FILLED BY WEDGING) WITH STRAW OR THE SAME MATERIAL OF THE BALE.
- END BALES ARE TO EXTEND UPSLOPE SO THE TRAPPED RUNOFF CANNOT FLOW AROUND THE ENDS OF THE BARRIER.

MAINTENANCE REQUIREMENTS

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



STRAW BALE BARRIER
NTS



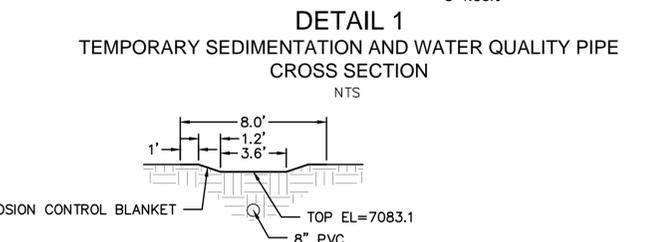
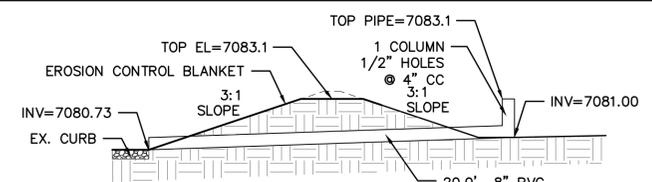
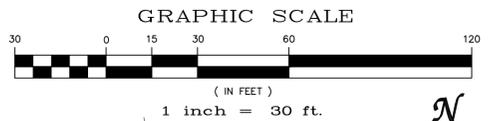
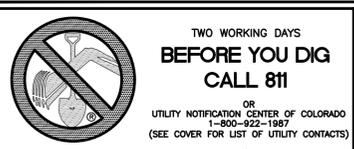
No.	Revisions	Date	Appr.	Date

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
SITE CONSTRUCTION DOCUMENTS
DETAIL SHEET

Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MARCH-2019
SHEET	C14						



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 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')

STEPS FOR CONSTRUCTION
 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

EROSION AND SEDIMENT CONTROLS
 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, FILTER OR APPROVED EQUAL WILL BE PLACED AT ALL ENTRANCES AND EXITS OF DRAINAGEWAYS.

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.

MATERIAL HANDLING AND SPILL PREVENTION
 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.

FINAL STABILIZATION AND LONG TERM STORMWATER MANAGEMENT
 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.

OTHER CONTROLS
 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:

- * ALL REFUSE DUMPSTERS AND RECEPTACLES SHALL BE EQUIPPED WITH FUNCTIONAL LIDS TO PREVENT RAIN AND SNOW FROM ENTERING.
- * STORAGE CONTAINERS, DRUMS AND BAGS SHALL BE STORED AWAY FROM DIRECT TRAFFIC ROUTES TO PREVENT ACCIDENTAL SPILLS.
- * EMPTY DRUMS 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.

INSPECTION AND MAINTENANCE
 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 V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
- * WHEN THE CHECK DAMS HAVE Silted UP TO HALF THEIR HEIGHT, THE SILT SHALL BE REMOVED, CHANNEL GRADE REESTABLISHED, AND SIDE SLOPES RE-SEEDED IF NECESSARY. ANY CHECK DAMS THAT HAVE SHIFTED OR DECAYED SHALL BE REPAIRED OR REPLACED.
- * SILT FENCES SHALL BE CLEANED WHENEVER SEDIMENT HAS REACHED A DEPTH OF 6" AT THE FENCE, AND 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. AN INSPECTION AND MAINTENANCE LOG SHALL BE MAINTAINED BY THE SWMP ADMINISTRATOR, AS DESCRIBED IN THE STORMWATER MANAGEMENT PLAN.

REVEGETATION AND SEEDING
 ALL DISTURBED AREAS SHALL BE SEEDING 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 AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING. IF 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 THE SEEDING OPERATION THE SITE SHOULD BE COVERED WITH WEE FREE MULCH AT A RATE OF 4,000 LBS. PER ACRE. MULCH SHALL BE INSTALLED PER DCM VOLUME 2, FIGURE MU-1, FOUND ON PAGE 3-30.

RECOMMENDED EL PASO COUNTY GRASS SEED MIX
 GRASS MIX FOR QUICK REVEGETATION - ALL SITES:

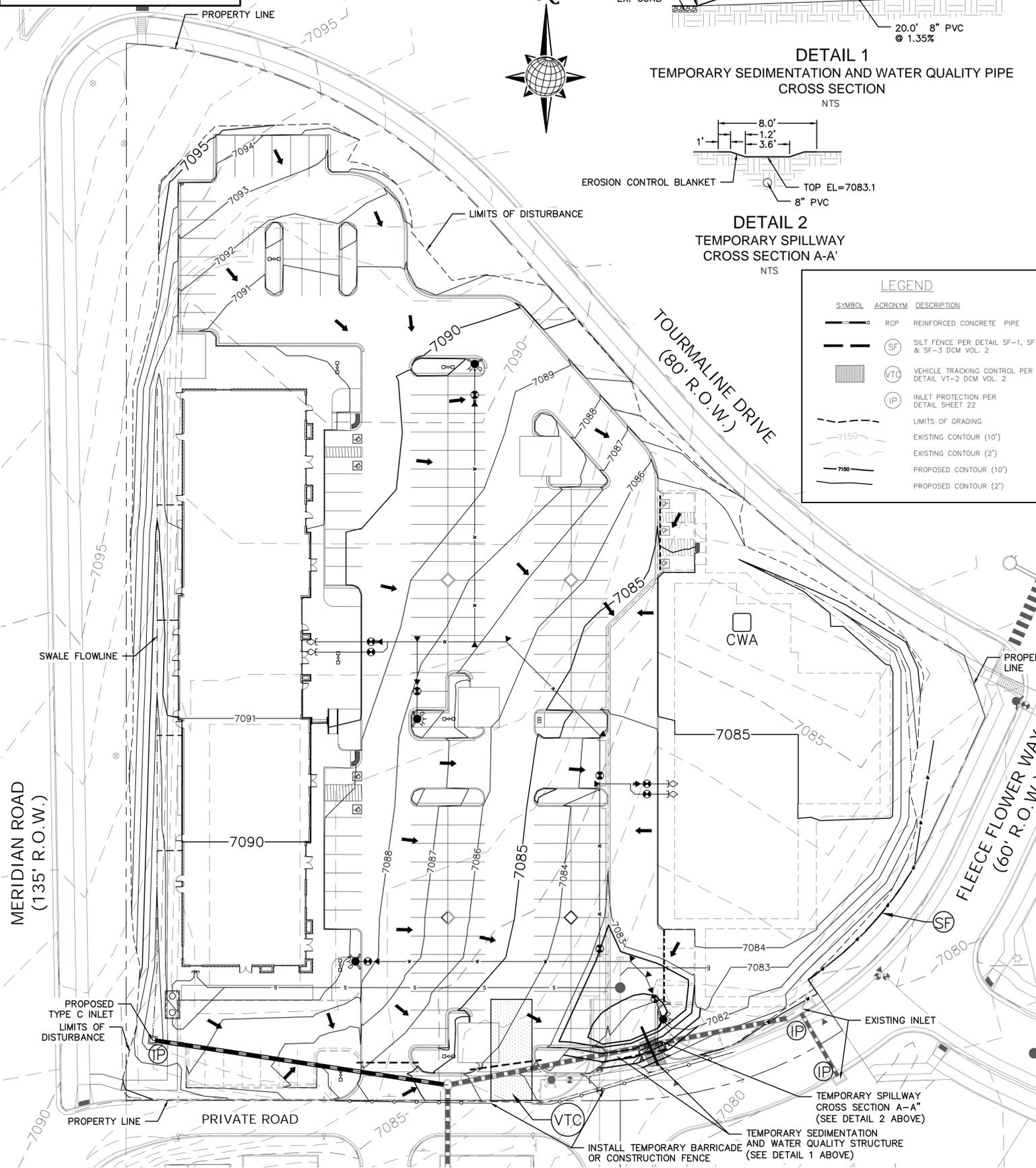
VARIETY	PLS. LBS. PER ACRE
CRESTED WHEAT GRASS	4.0
PERENNIAL RYE	2.0
WESTERN WHEATGRASS	3.0
SMOOTH BROME GRASS	5.0
SIDE-OATS GRAMA	2.5
EL RENO	2.5
TOTAL:	16.5

NOTES:

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 COMPRISE 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 AUTHORIZATIONS TO DISCHARGE DEWATERING ACTIVITIES. 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
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 CTL THOMPSON SEPTEMBER 10, 2013.
10. ALL BMP'S SHALL BE INSTALLED PER EL PASO COUNTY REQUIREMENTS AND DETAILS, SEE SHEET C14.
11. ALL CONTOURS SHOWN ARE FINISHED SURFACE.

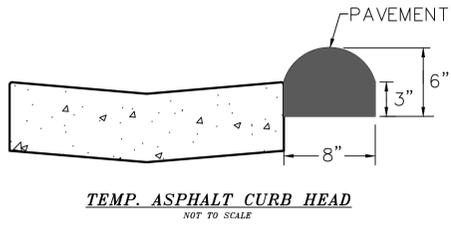
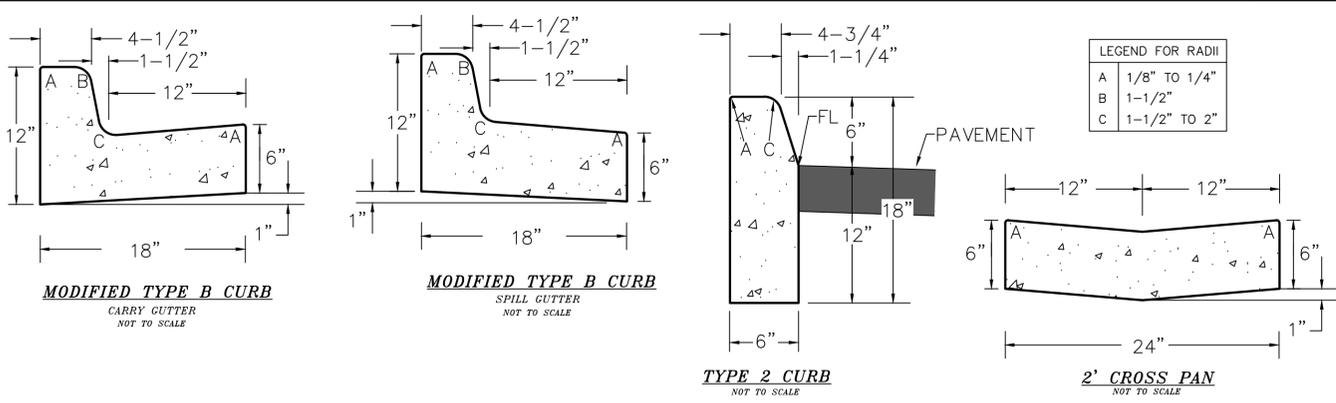
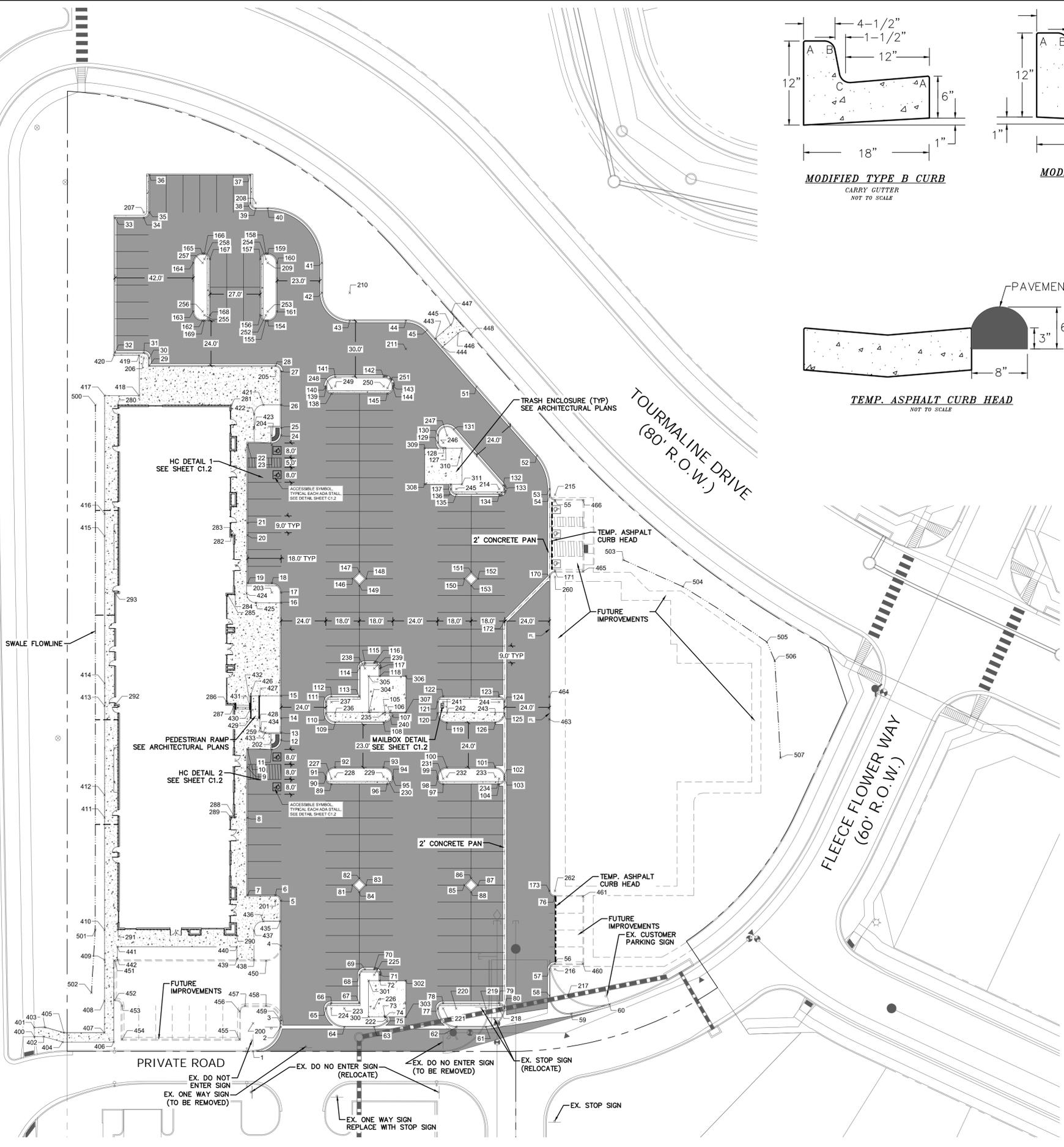
EL PASO COUNTY GRADING AND EROSION CONTROL NOTES:

1. CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY DEVELOPMENT (PCD) AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTION.
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 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 APPLICABLE 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 STAGE EROSION AND SEDIMENT CONTROL BMPs AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY 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 SEED. 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, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP'S 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 OFF-SITE 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, TREE 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 SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE 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 PRACTICABLE 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 IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE EGM 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:



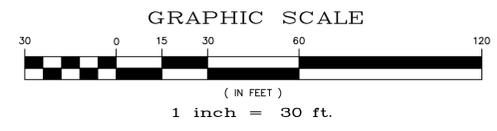
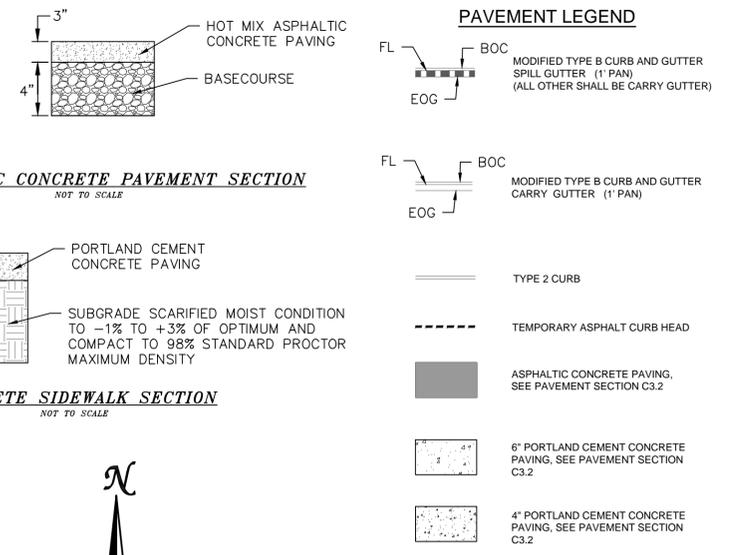
Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MARCH 2019
SHEET	C-30	SITE CONSTRUCTION DOCUMENTS		EROSION CONTROL			
LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1							
TECH CONTRACTORS							
11886 STAPLETON DRIVE							
FALCON, CO 80831							
TELEPHONE: 719.495.7444							
FAX: 719.495.2457							
MERIDIAN RANCH							
No. _____							
Revisions _____							
Date _____							
Appr. _____							
Date _____							

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



PAVING NOTES

- SEE SHEET C1.1 FOR SITE GENERAL NOTES.
- 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.
- BUILDING LAYOUT SHOWN ON THIS PLAN WAS PROVIDED BY YOW ARCHITECTS.
- SEE BELOW FOR PAVING DETAILS.
- ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB AND FACE OF BUILDING UNLESS NOTED OTHERWISE.
- REFER TO SHEET C1.2 FOR ACCESSIBLE STALL AND RAMP DETAILS.
- REFER TO SHEET C8.0 FOR STORM DRAINAGE INFORMATION.
- CONTRACTOR TO CONFIRM INSTALLATION OF IRRIGATION SLEEVES PRIOR TO PAVING.
- REFER TO ARCHITECTURAL AND ELECTRICAL PLANS FOR DETAILS REGARDING SITE LIGHTING.
- 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.
- 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%.
- ALL ACCESSIBLE RAMPS SHALL MEET THE REQUIREMENTS OF ADAAG SECTION 4.7 & 4.8.
- REFER TO ARCHITECTURAL PLANS FOR TRASH ENCLOSURE DETAILS & PATIO AREA DETAILS
- FINAL PAVEMENT SECTION TO BE DETERMINED BY SOILS ENGINEER.
- MARK AN "X" ON TOP OF CURB AT ALL SLEEVE LOCATIONS. REFER TO C7.0 FOR SLEEVE LOCATIONS.



TWO WORKING DAYS BEFORE YOU DIG CALL 811

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

Scale	AS SHOWN	Drawn by	LOG	Checked by	TAK	Date	MARCH 2019
SHEET	C40	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1		SITE CONSTRUCTION DOCUMENTS		HORIZONTAL CONTROL & PAVING	
TECH CONTRACTORS		11886 STAPLETON DRIVE		FALCON, CO 80831		TELEPHONE: 719.495.7444 FAX: 719.495.2457	
MERIDIAN RANCH		No.		Revisions		Date	
		Date		Init.		Appr.	

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
96	12372.67	6583.02	FL
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

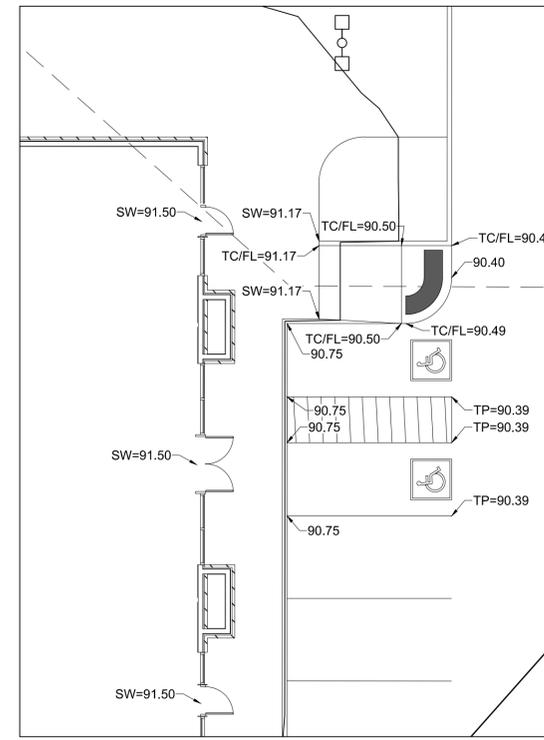
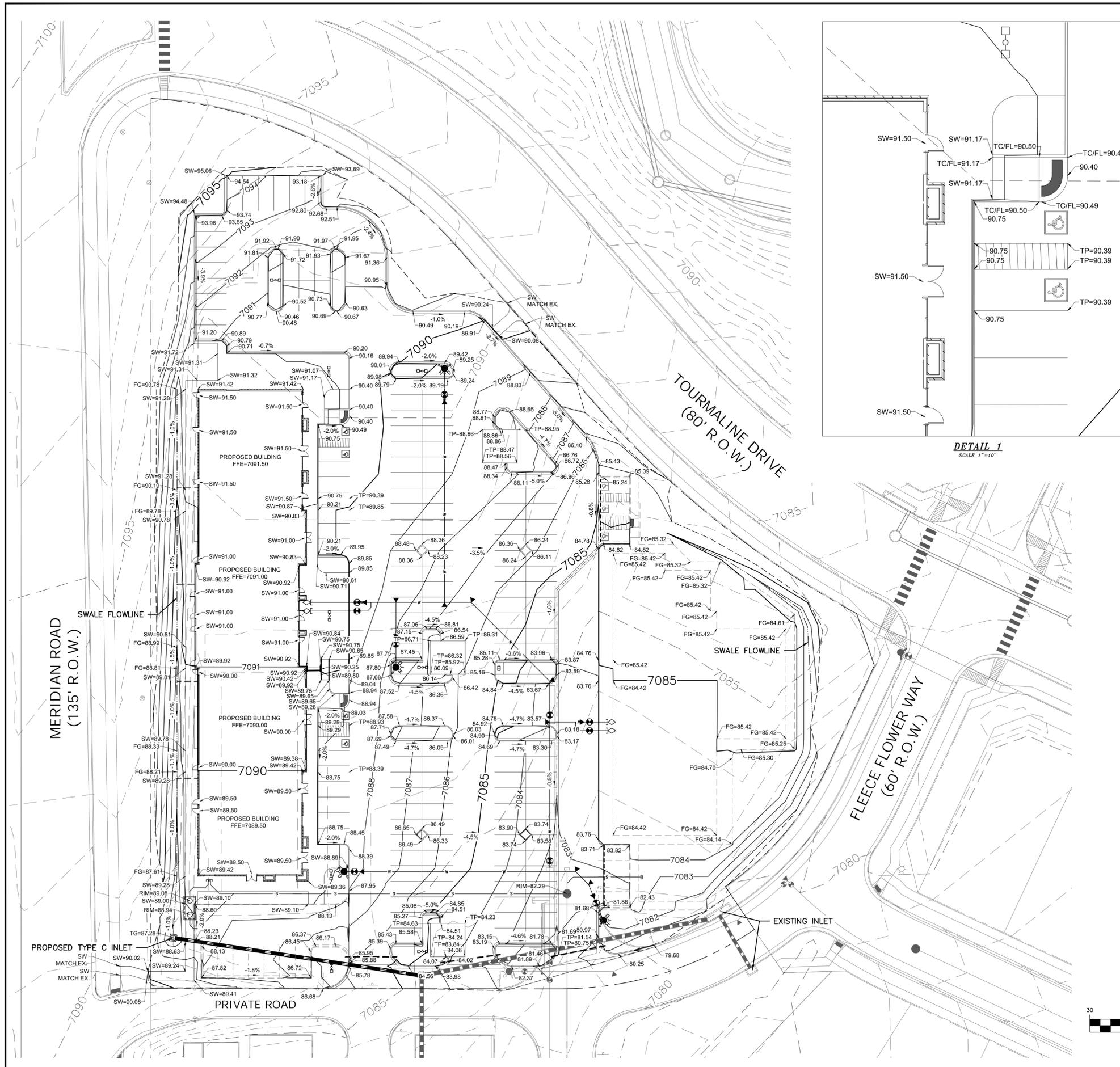
Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
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127	12552.49	6614.25	FL
128	12552.49	6613.09	FL
129	12555.49	6610.09	FL
130	12559.38	6610.09	FL
131	12562.69	6618.84	FL
132	12532.63	6645.33	FL
133	12530.65	6646.08	FL
134	12527.65	6643.08	FL
135	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 #	NORTHING	EASTING	DESCRIPTION
156	12623.69	6514.86	FL
157	12653.69	6514.87	FL
158	12656.69	6517.87	FL
159	12656.69	6518.87	FL
160	12651.69	6523.87	FL
161	12625.69	6523.86	FL
162	12620.70	6483.86	FL
163	12625.71	6478.86	FL
164	12651.71	6478.87	FL
165	12656.70	6483.87	FL
166	12656.70	6484.87	FL
167	12653.70	6487.87	FL
168	12623.70	6487.86	FL
169	12620.70	6484.86	FL
170	12483.64	6670.06	FL
171	12486.63	6673.06	FL
172	12459.64	6646.05	FL
173	12315.64	6670.00	FL
200	12244.69	6510.98	FL 15' RADIUS
201	12310.30	6523.00	FL 3' RADIUS
202	12396.30	6521.03	FL 5' RADIUS
203	12475.30	6521.06	FL 5' RADIUS
204	12559.30	6521.09	FL 5' RADIUS
205	12593.69	6523.10	FL 3' RADIUS
206	12600.72	6452.35	FL 3' RADIUS
207	12678.72	6452.38	FL 3' RADIUS
208	12683.69	6512.38	FL 3' RADIUS
209	12651.69	6518.87	FL 29' & 5' RADIUS
210	12635.68	6562.87	FL 15' RADIUS
211	12605.67	6592.96	FL 15' RADIUS

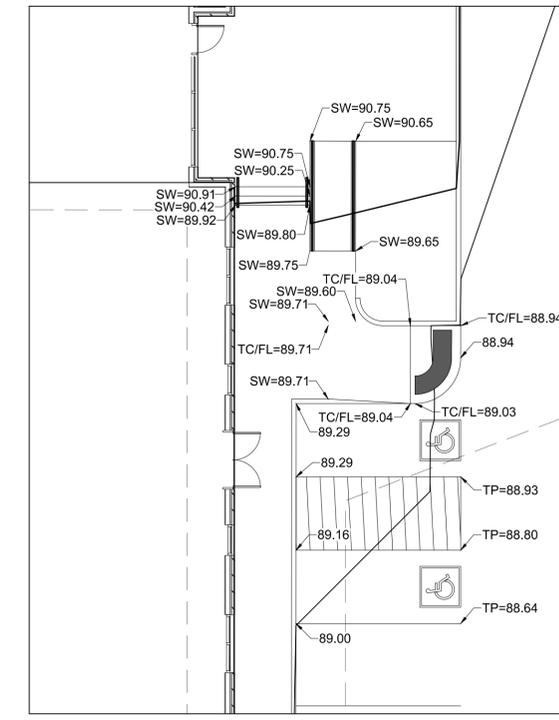
Point Table			
POINT #	NORTHING	EASTING	DESCRIPTION
214	12530.65	6643.08	FL 27' & 3' RADIUS
215	12527.63	6673.08	FL 3' RADIUS
216	12273.64	6672.99	FL 3' RADIUS
217	12259.54	6679.98	FL 10' RADIUS
218	12252.65	6642.98	FL 3' RADIUS
219	12252.65	6635.98	FL 10' RADIUS
220	12252.66	6619.98	FL 10' RADIUS
221	12252.66	6612.98	FL 3' RADIUS
222	12246.67	6582.00	FL 1.5' RADIUS
223	12252.68	6559.98	FL 10' RADIUS
224	12252.68	6552.98	FL 3' RADIUS
225	12270.67	6575.99	FL 3' RADIUS
226	12252.72	6575.99	FL 10' RADIUS
227	12375.68	6553.02	FL 3' RADIUS
228	12376.68	6555.02	FL 5' RADIUS
229	12376.67	6581.02	FL 5' RADIUS
230	12375.67	6583.02	FL 3' RADIUS
231	12375.66	6613.02	FL 3' RADIUS
232	12376.66	6615.02	FL 5' RADIUS
233	12376.65	6641.02	FL 5' RADIUS
234	12375.65	6643.02	FL 3' RADIUS
235	12410.67	6581.04	FL 5' RADIUS
236	12410.68	6555.04	FL 5' RADIUS
237	12416.68	6553.04	FL 3' RADIUS
238	12434.67	6571.04	FL 3' RADIUS
239	12434.67	6576.04	FL 3' RADIUS
240	12409.67	6584.39	FL 1.5' RADIUS
241	12416.66	6613.04	FL 3' RADIUS
242	12410.66	6615.04	FL 5' 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



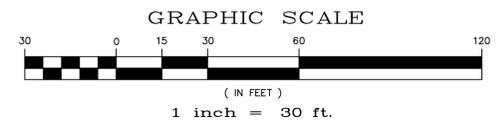
DETAIL 1
SCALE 1"=10'



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
	VTC	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')

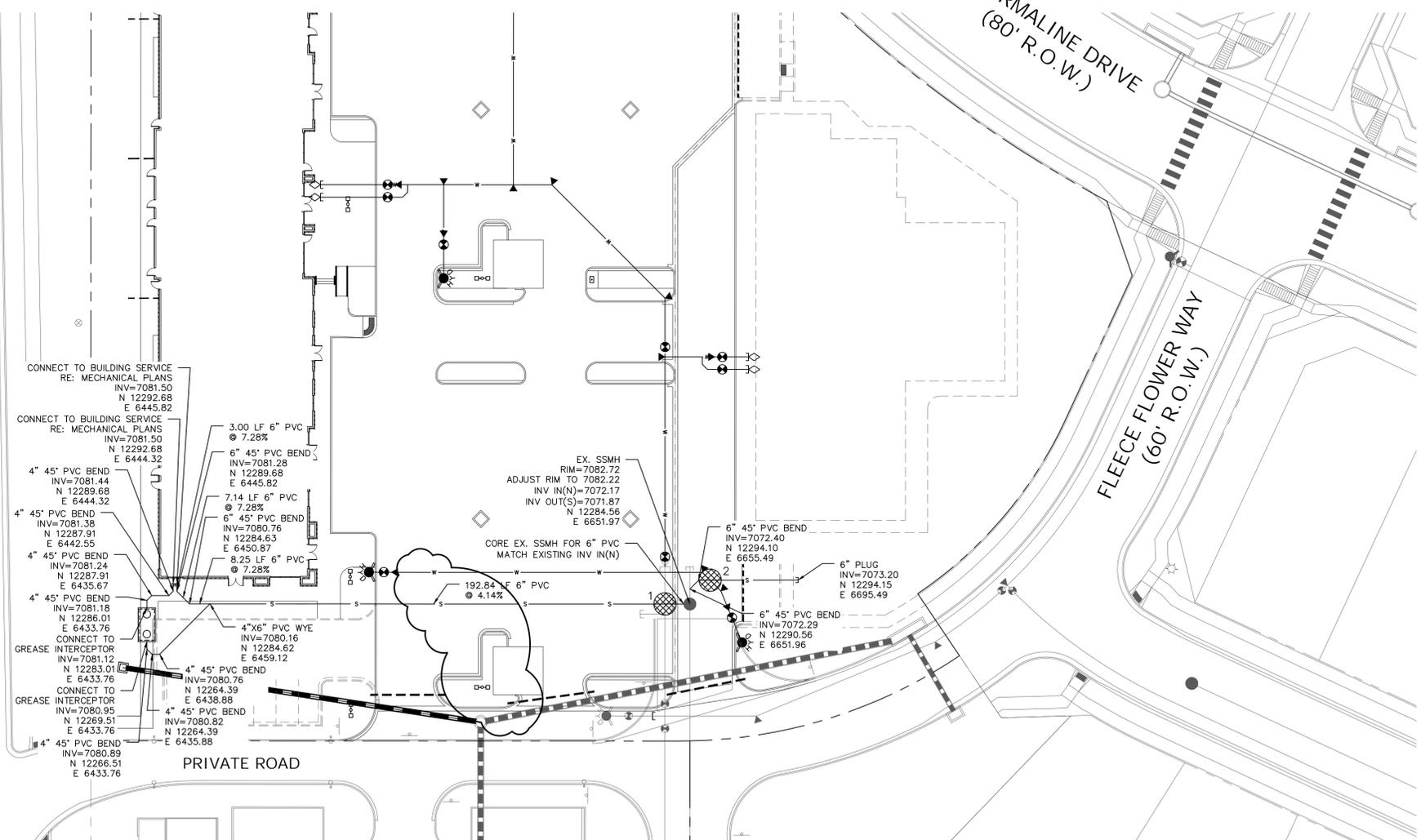
- NOTES:**
- ALL ELEVATIONS ARE FLOWLINE UNLESS NOTED OTHERWISE.
 - ADD 7000 FT. TO ALL SPOT ELEVATIONS.
 - ALL CONTOURS SHOWN ARE FINISHED SURFACE.
 - REFER TO THE "GEOLOGIC HAZARDS EVALUATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION, MERIDIAN RANCH SUBDIVISION COMMERCIAL CENTER AND FILING NO. 48"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

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457		No.	Revisions	Date	Init.	Appr.	Date
 MERIDIAN RANCH		LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1		SITE CONSTRUCTION DOCUMENTS		GRADING PLAN	
		Drawn by AS SHOWN	Checked by LOG	TAK	Date MARCH 2019		
Scale AS SHOWN		SHEET C-50					

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

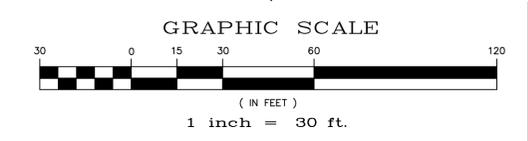


NOTES:

- SANITARY SERVICE LINES 4" PVC AT 2.1% UNLESS OTHERWISE NOTED.
- GREASE INTERCEPTOR SHALL BE FABRICATED & INSTALLED PER CSU SPECIFICATION & STANDARD DETAILS C4-1, C4-1 & C4-3.

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"



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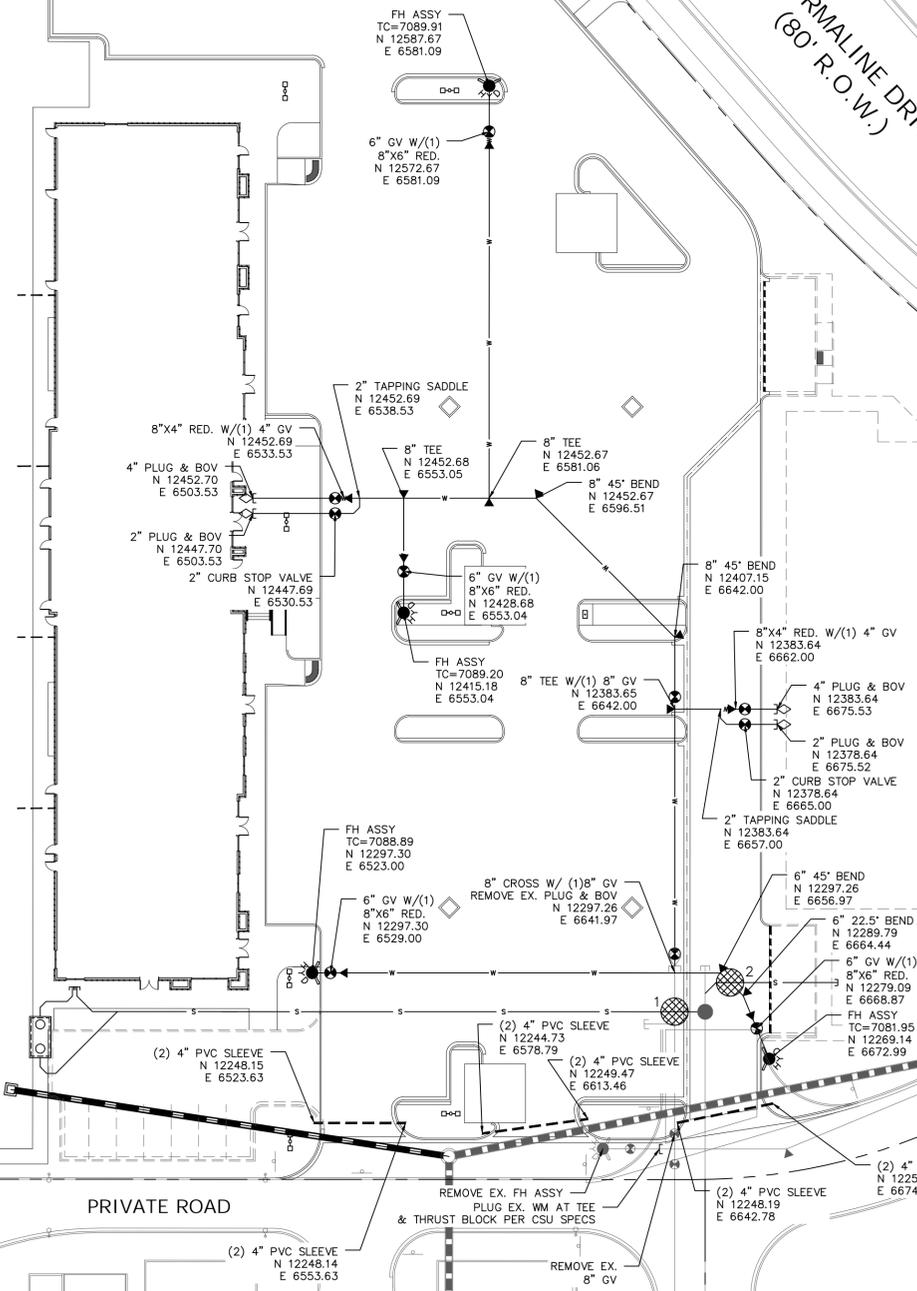
Scale AS SHOWN SHEET C6.0	Drawn by LOG	Checked by TAK	Date MARCH 2019	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS SANITARY SEWER PLAN	<p>MERIDIAN RANCH</p>	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	No.	Revisions	Date	Appr.	Date

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

TOURMALINE DRIVE
(80' R.O.W.)

FLEECE FLOWER WAY
(60' R.O.W.)

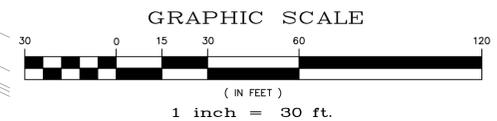
PRIVATE ROAD



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"



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

Scale AS SHOWN	Drawn by LOG	Checked by TAK	Date MARCH 2019	SHEET C7.0	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS WATER PLAN	<p>MERIDIAN RANCH</p>	<p>TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>	No.	Revisions	Date	Appr.

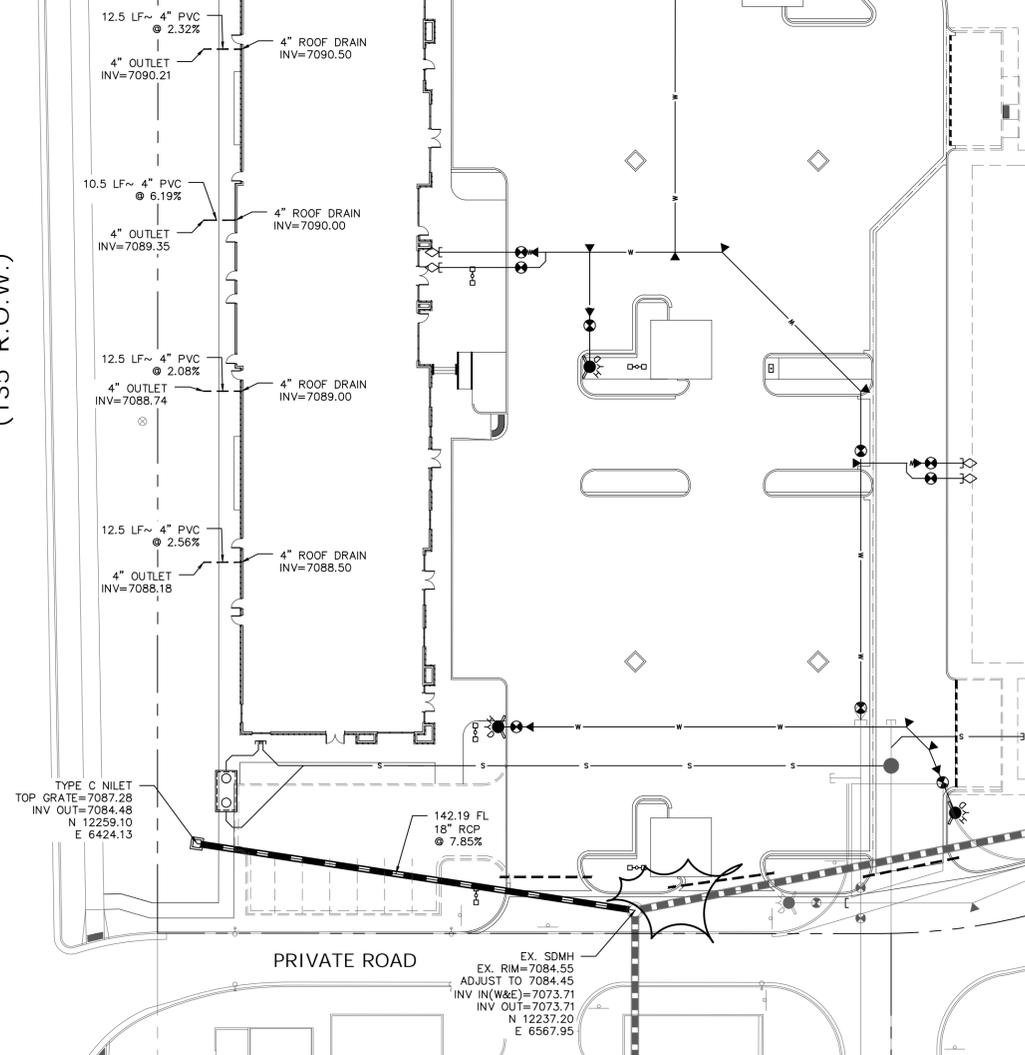
S:\Civil\Shops Phase 2\DWG\Plan Sheet\Improvement Plans\THE SHOPS LOT 4 CIVIL PLANS.dwg, 3/15/2019 10:38:00 AM

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

TOURMALINE DRIVE
(80' R.O.W.)

FLEECE FLOWER WAY
(60' R.O.W.)

PRIVATE ROAD

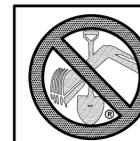
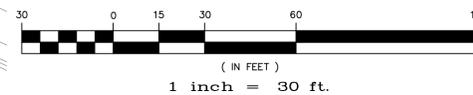


NOTES:

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



GRAPHIC SCALE



TWO WORKING DAYS
**BEFORE YOU DIG
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OR
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1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)

No.	Revisions	Date	Init.	Appr.	Date

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
SITE CONSTRUCTION DOCUMENTS
STORM SEWER PLAN

Scale	AS SHOWN
SHEET	C8.0
Drawn by	LOG
Checked by	TAK
Date	MARCH 2019

PCD PROJECT NO. PPR18033