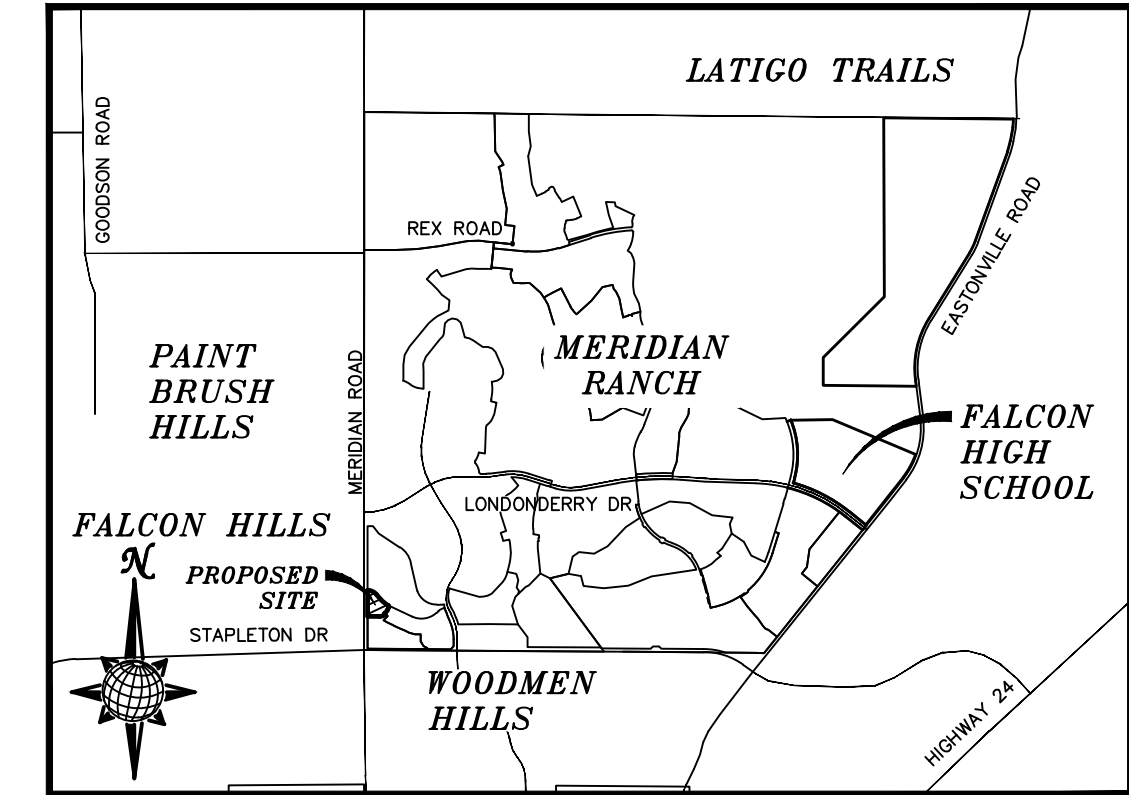


CONSTRUCTION DRAWINGS FOR LOT 4, THE SHOPS FILING NO. 1 AT MERIDIAN RANCH

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.

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.

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

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
Drawn by LGS
Checked by THK
Date MAY 2018
SHEET C10

#PR18033

DISTRICT ENGINEER:

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

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.

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 DATE

WATER AND SANITARY SEWER APPROVALS:

MILTON GABRIELSKI, PRESIDENT DATE
MERIDIAN SERVICE METROPOLITAN DISTRICT

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.

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

BASIS OF BEARING

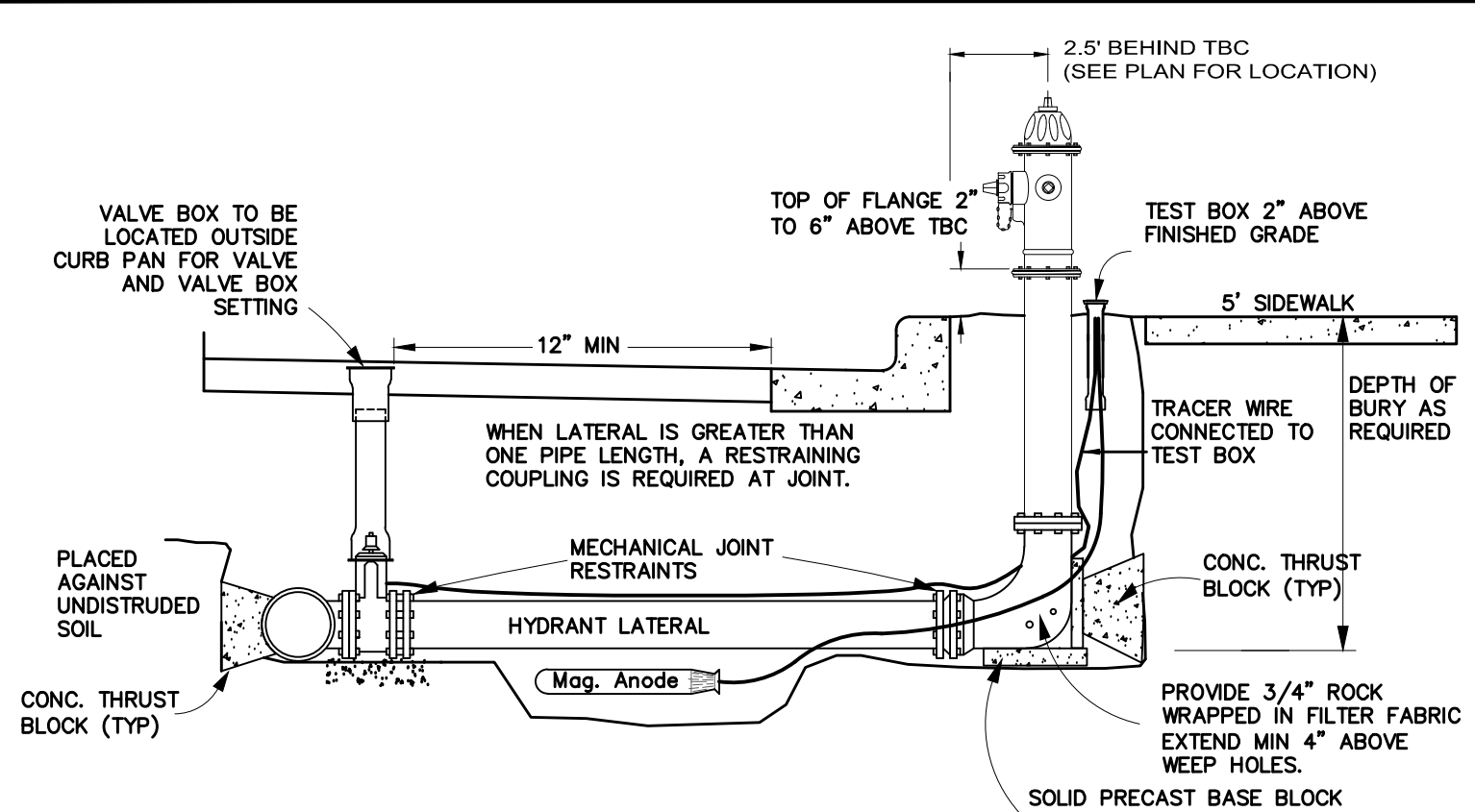
BASIS OF BEARINGS FOR THIS DESCRIPTION IS THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 29, T12S, R64W OF THE 6TH P.M., WHICH IS ASSUMED TO BEAR S89°25'42"E FROM THE SOUTHWEST CORNER OF SECTION 29 (A STONE W/SCRIBED "X") TO THE SOUTH QUARTER CORNER OF SECTION 29 (3.25" ALUM. CAP LS 30087).

BENCH MARK

- MRR01 - 3 1/4" ALUMINUM CAP ON NO.8 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'
- 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'

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

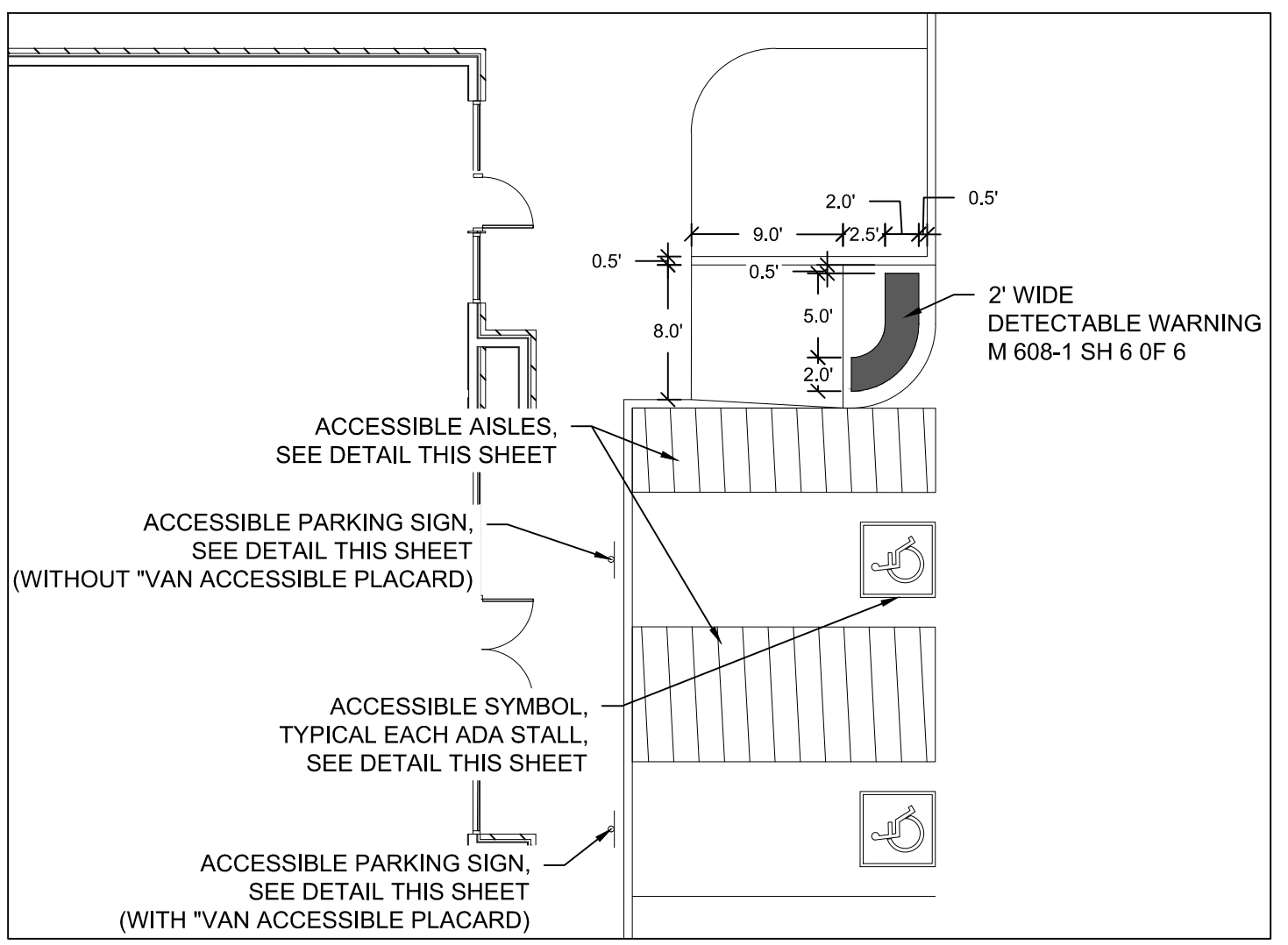
OR
UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
(SEE COVER FOR LIST OF UTILITY CONTACTS)



- NOTES:**
- FIRE HYDRANTS SHALL BE AVK MODEL 2780 NOSTALGIC OPEN RIGHT WITH A 1 1/2" 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 1/2" NTS (NATIONAL STANDARD THREAD) SIDE NOZZLES.
 - HYDRANT SHALL BE INSTALLED PLUMB IN ALL DIRECTIONS.
 - MECHANICAL JOINT RESTRAINTS. SEE COLORADO SPRINGS UTILITIES FOR MECH. JOINT PIPE RESTRAINT SPECIFICATIONS.
 - SEE COLORADO SPRINGS UTILITIES FOR MECH. JOINT PIPE RESTRAINTS SPECIFICATIONS.
 - FINAL TOP OF FLANGE ELEVATION TO BE 2 TO 6 INCHES ABOVE TOP BACK OF CURB (TBC). WATERMAIN CONTRACTOR TO ADJUST HYDRANTS AS NECESSARY AFTER INSTALLATION OF CURB AND GUTTER TO ACHIEVE PROPER FINISHED ELEVATION.
 - NO OBSTRUCTIONS TO BE CONSTRUCTED IN FRONT OF THE FIRE HYDRANT.
 - PROVIDE A 9 LB. MAGNESIUM ANODE AND TEST STATION AT EACH HYDRANT PER CURRENT MERIDIAN SERVICE METROPOLITAN DISTRICT STANDARD NOTES.
 - HYDRANT SHALL BE PAINTED WITH RUSTOLEUM 659 SAFETY YELLOW PRIOR TO ACCEPTANCE.

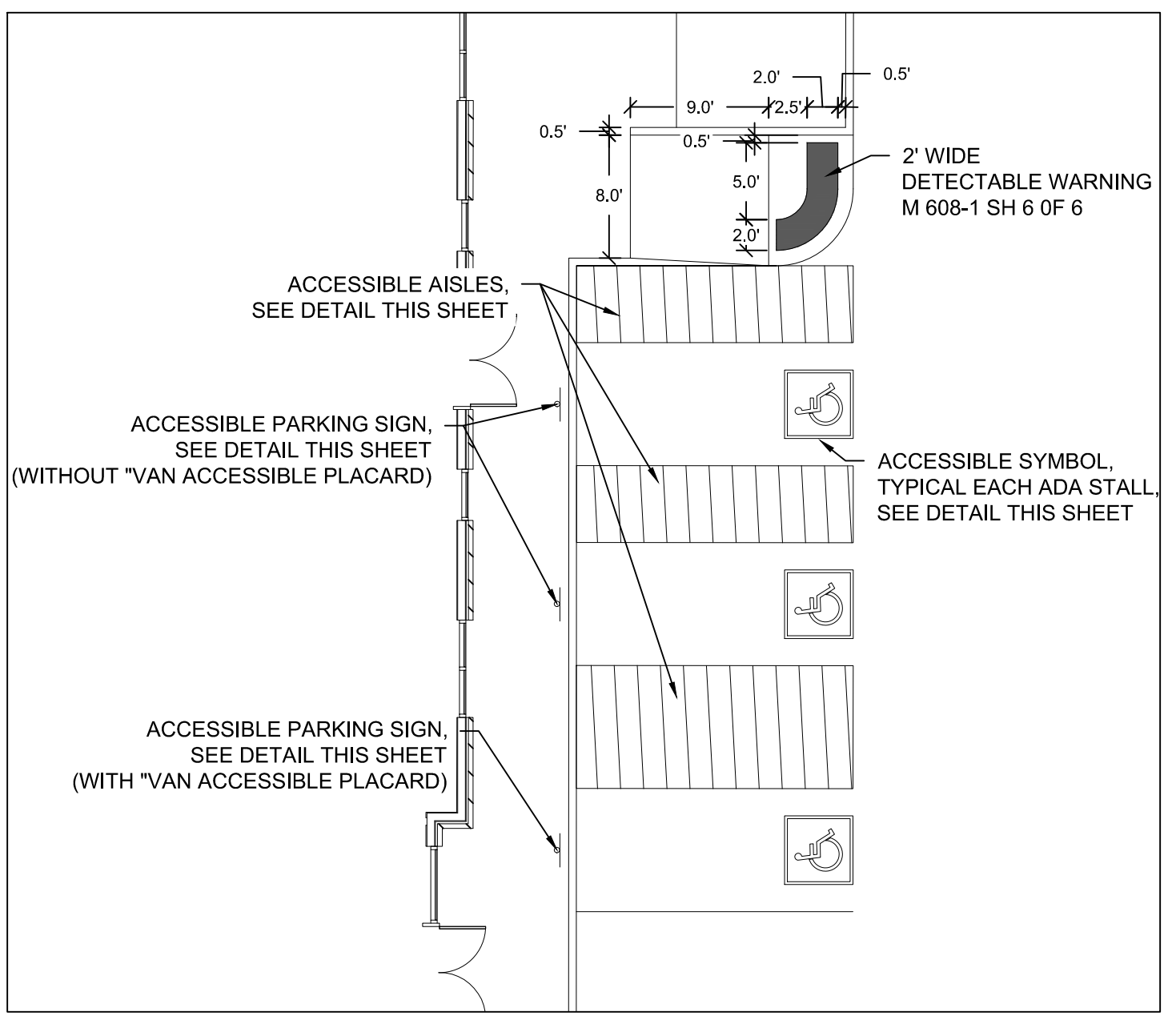
FIRE HYDRANT ASSEMBLY

SCALE : N.T.S.



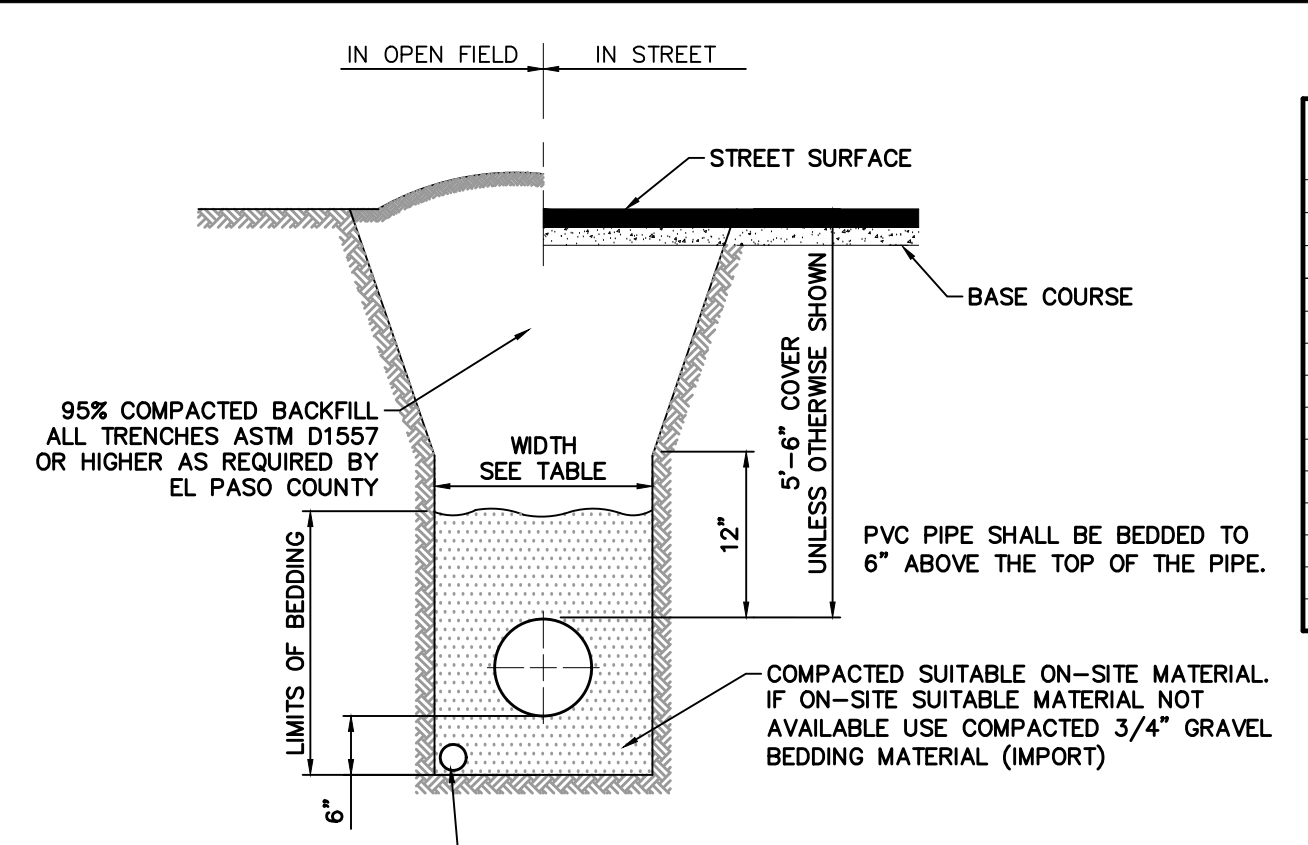
HC DETAIL 1

SCALE: 1"=10'



HC DETAIL 2

SCALE: 1"=10'



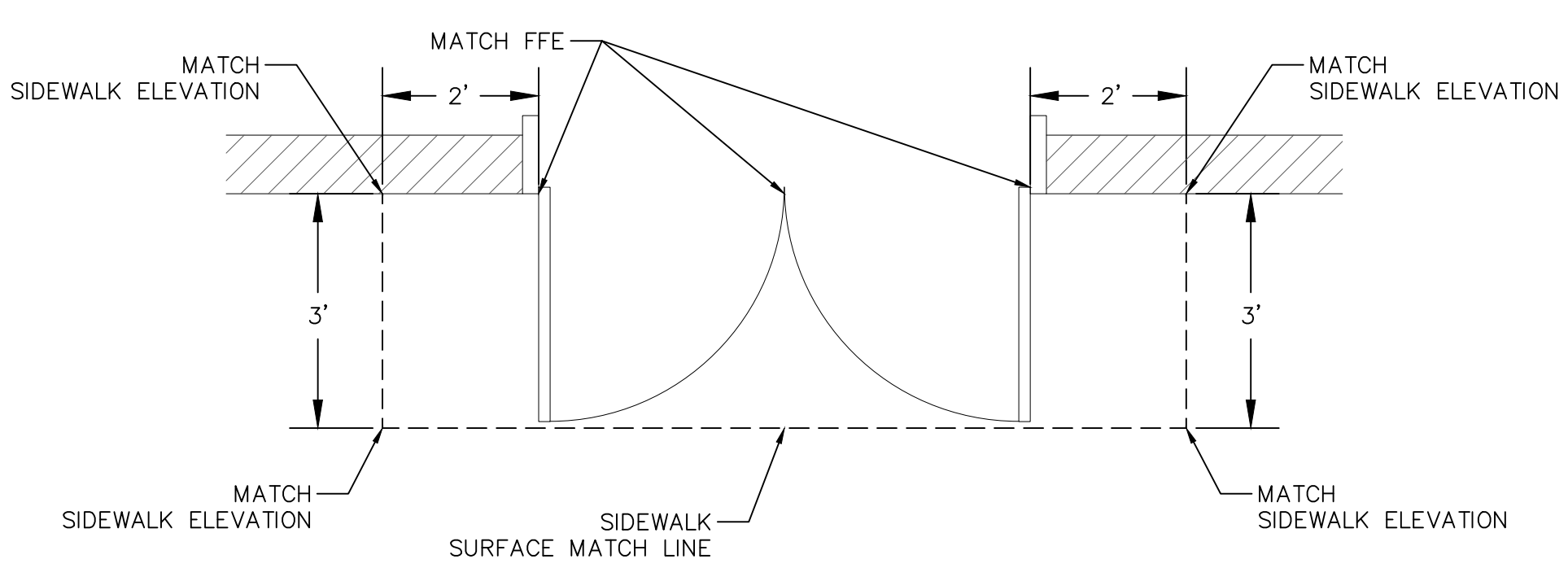
- TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND THE PROTECTION OF OTHER UTILITIES.
- INSTALL A PVC UNDERDRAIN PIPE (SDR35) BELOW SANITARY SEWER LINES, EXTENDING TO DAYLIGHT AS NOTED IN THE PLANS.
 - SEE OVERALL UNDERDRAIN PLAN FOR INSTALLATION NOTES AND UNDERDRAIN SIZE.
 - INSTALL AN UNDERDRAIN CLEANOUT ON THE SHELF OF EVERY SANITARY SEWER MANHOLE.
 - STUB UNDERDRAIN PIPE TO EACH LOT IN COMMON TRENCH WITH SANITARY SEWER SERVICE.

TYPICAL TRENCH & BEDDING DETAIL

SCALE : N.T.S.

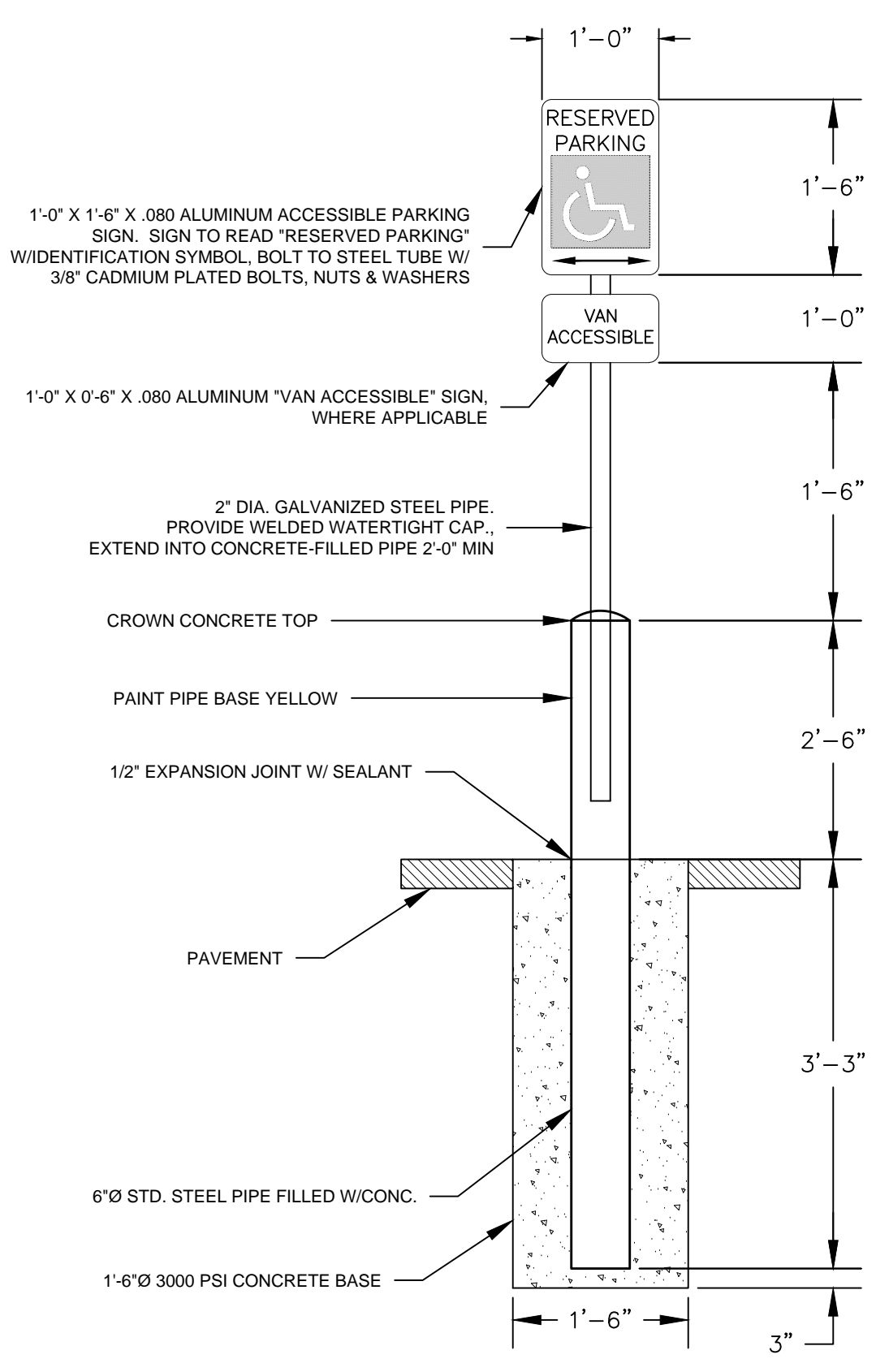
PIPE CHART

PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'-4"	4'-0"
6"	1'-6"	4'-0"
8"	1'-8"	4'-0"
12"	2'-0"	4'-0"
18"	3'-0"	4'-0"
24"	3'-6"	4'-0"
30"	4'-0"	6'-0"
36"	5'-0"	6'-0"
42"	6'-0"	8'-0"
48"	6'-0"	8'-0"
54"	8'-0"	8'-0"
60"	8'-0"	8'-0"
66"	8'-0"	10'-0"
72"	10'-0"	12'-0"



DOOR TRANSITION DETAIL

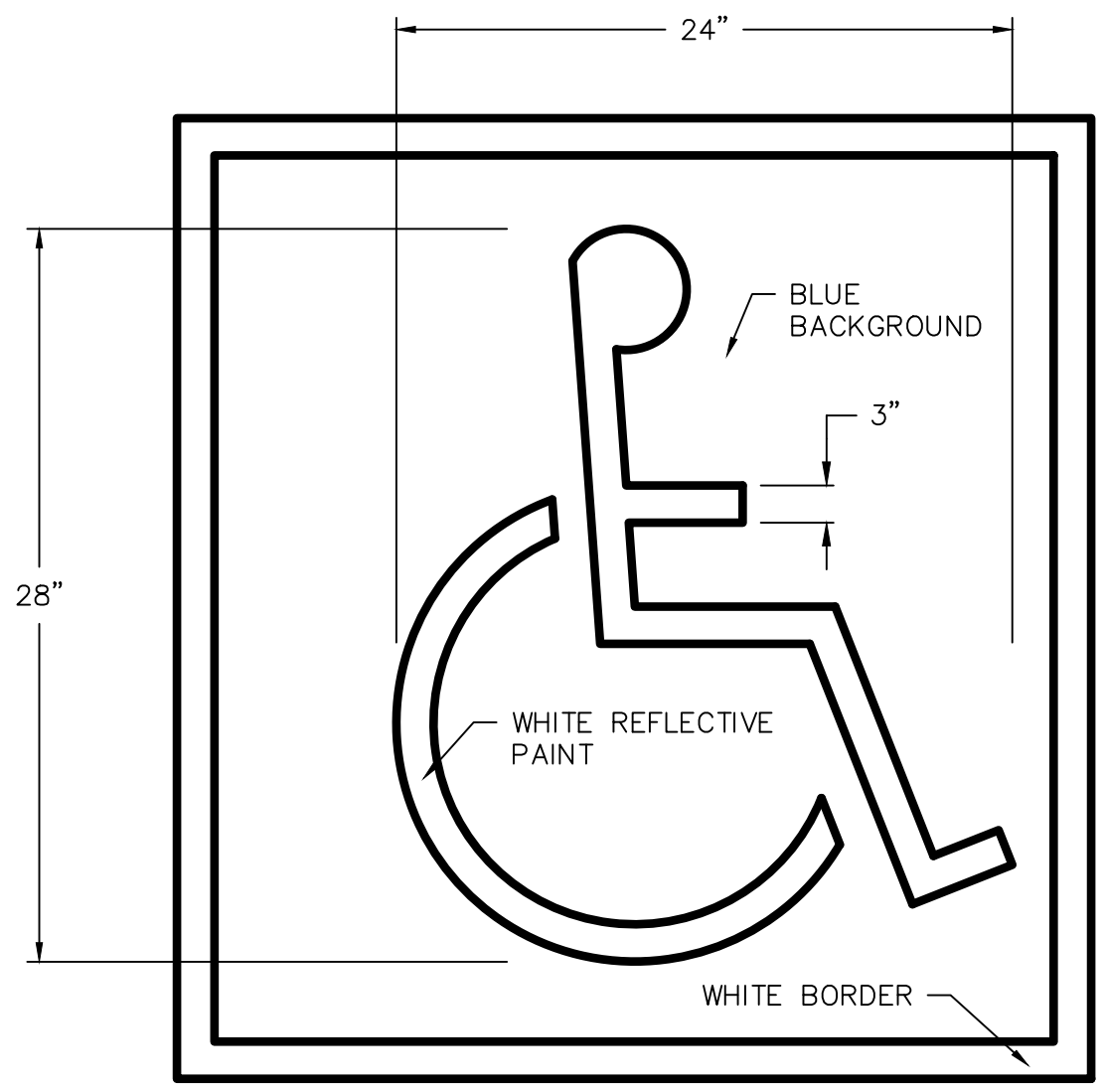
NOT TO SCALE



- NOTE:**
- ACCESSIBLE PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS

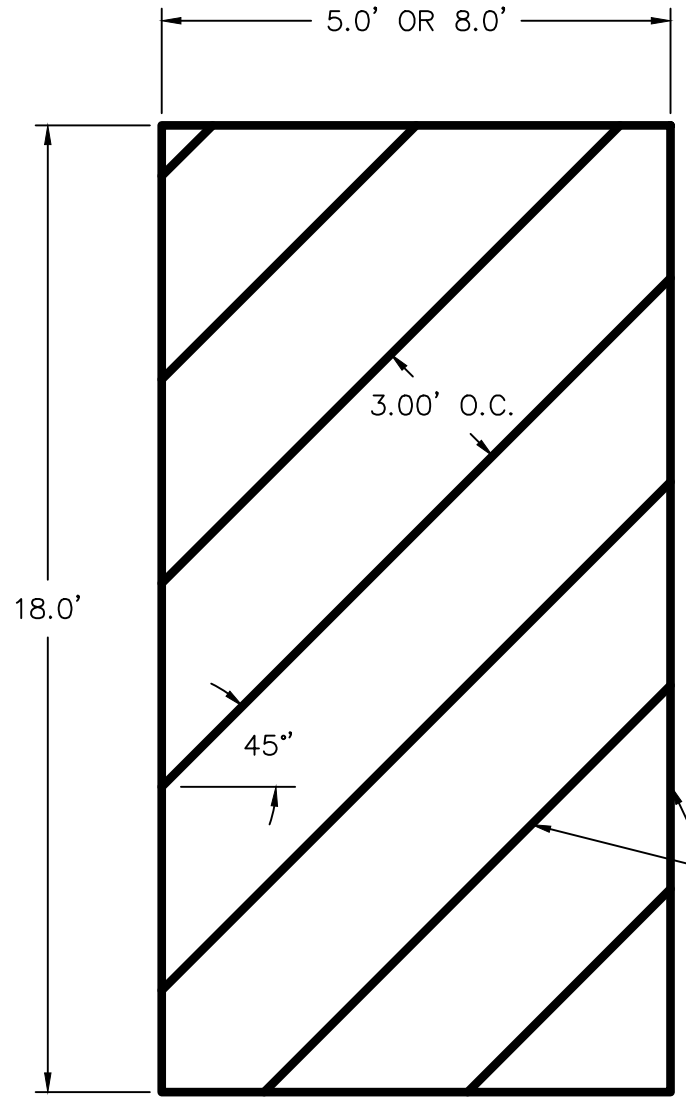
ACCESSIBLE PARKING SIGN IN PAVEMENT

NOT TO SCALE



ACCESSIBLE PARKING STALL PAVEMENT SYMBOL

NOT TO SCALE



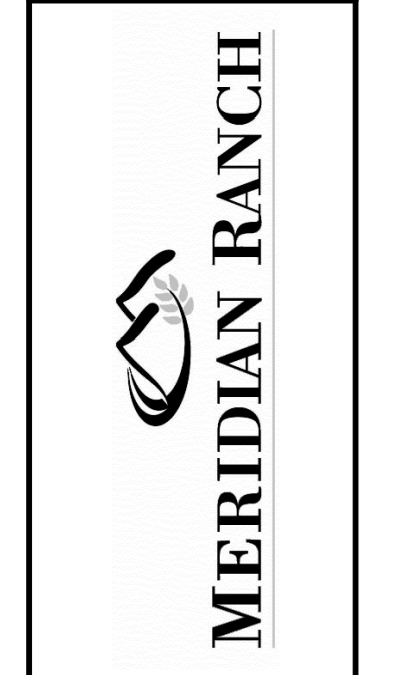
ACCESSIBLE AISLE STRIPING

NOT TO SCALE

LEGEND		
SYMBOL	ACRONYM	DESCRIPTION
	RCP W/FES	REINFORCED CONCRETE PIPE W/FLARED END SECTIONS
	INLET	STORM SEWER INLET BOX
	SMH	STORM SEWER MANHOLE
	ST	STORM SEWER LINE
	SS	SANITARY SEWER MAIN
	SSMH	SANITARY SEWER MANHOLE
	WM	WATER MAIN (ALL PIPES PVC, UNLESS OTHERWISE NOTED)
	GV	WATER GATE VALVE
	BV	WATER BUTTERFLY VALVE
	BOV	WATER BLOW-OFF VALVE
	HYD ASSY	FIRE HYDRANT ASSEMBLY
	TEE W/GV	WATER TEE W/ GATE VALVES
	ATT SW	ATTACHED SIDEWALK
		STANDARD PEDESTRIAN RAMP PER SD-2-40 & M-608-1 (SH 6 OF 6)
		ANODE (CATHODIC PROTECTION)
	TS	TEST STATION
	HB	HAY BALE DAM
	SF	SILT FENCE
	EXIST	EXISTING FEATURES
		LOT NUMBERS
		CROSS PAN PER SD-2-26
	PI	POINT OF INTERSECTION
	BT	BEGINNING OF TRANSITION
	ET	END OF TRANSITION
		EXISTING CONTOUR (5')
		EXISTING CONTOUR (1')
	VTC	VEHICLE TRAFFIC CONTROL PAD
	CWA	CONCRETE WASHOUT AREA
	IP	INLET PROTECTION

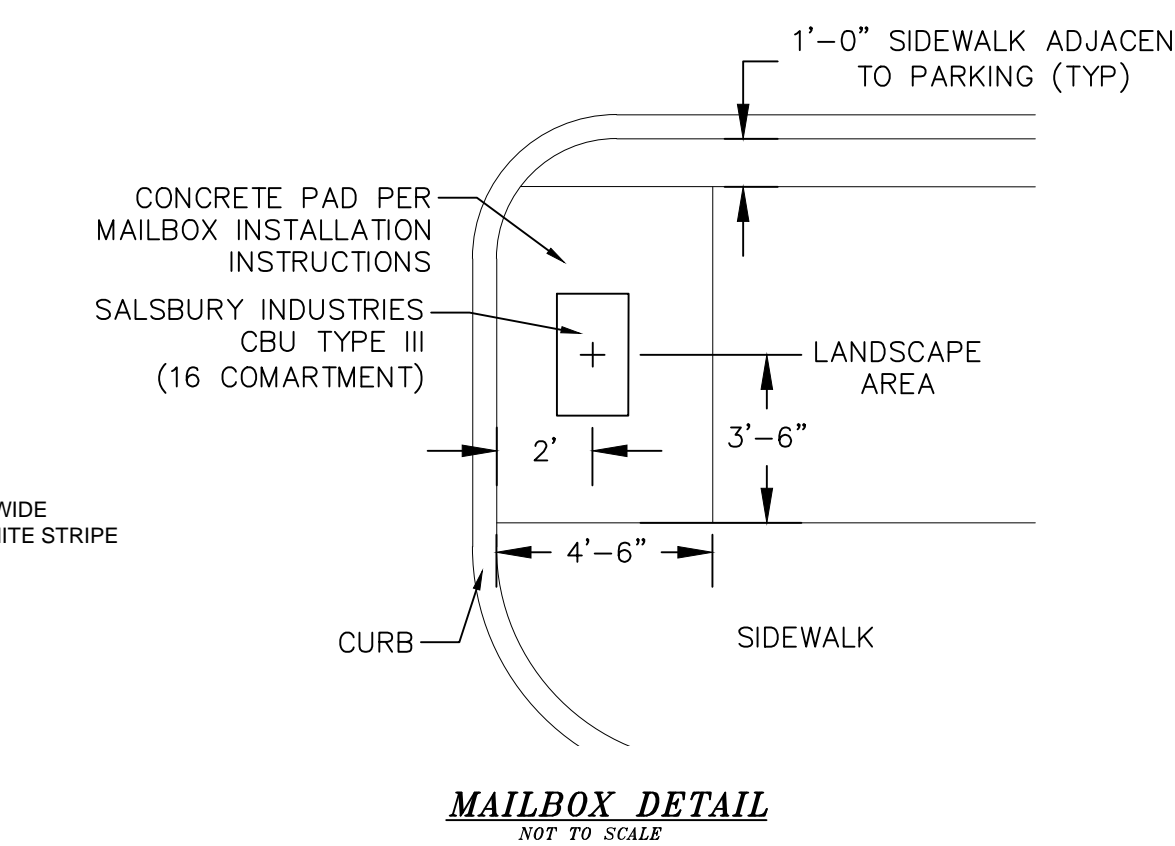
No.	Revisions	Date	Appr.

TECH CONTRACTORS
11886 STAPLETON DRIVE
FALCON, CO 80831
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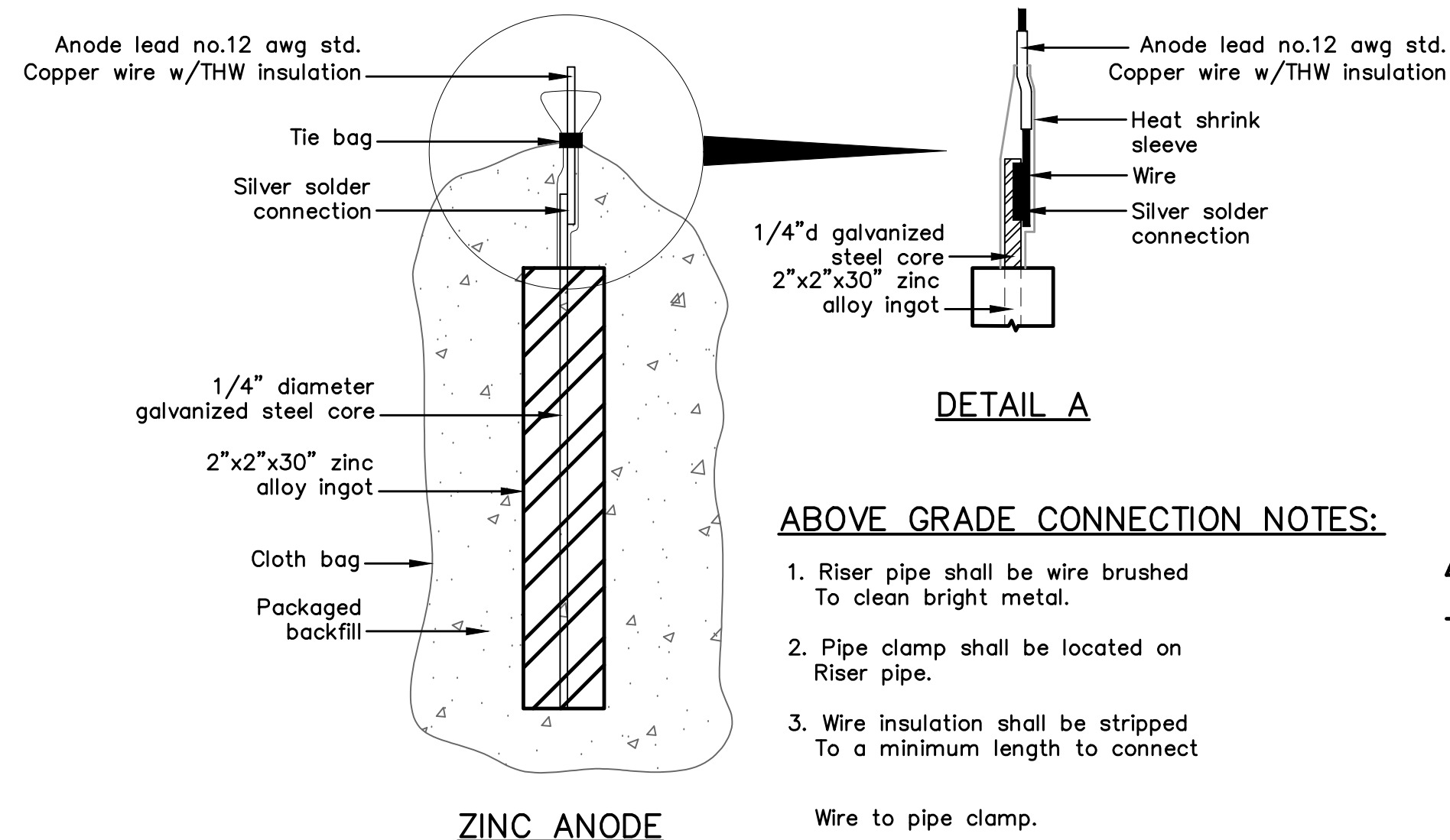
LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1
SITE CONSTRUCTION DOCUMENTS
DETAIL SHEET

Drawn by	LG	Checked by	TKK	Date	MAY 2018
Scale	AS SHOWN	SHEET	C12		



MAILBOX DETAIL

NOT TO SCALE



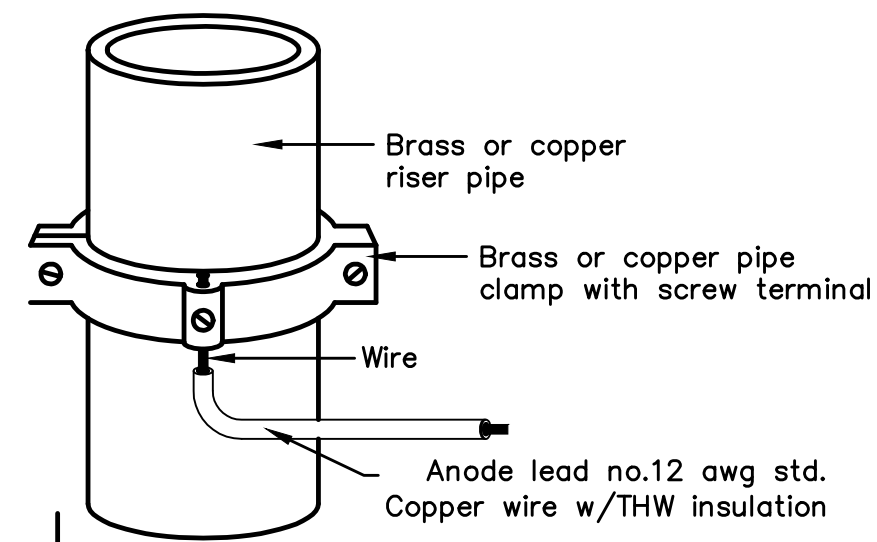
ZINC ANODE AND CONNECTORS FOR 1" AND 2" WATER SERVICE

ABOVE GRADE CONNECTION NOTES:

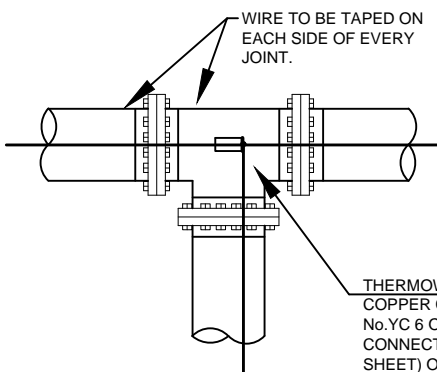
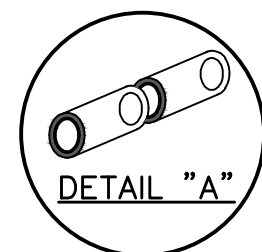
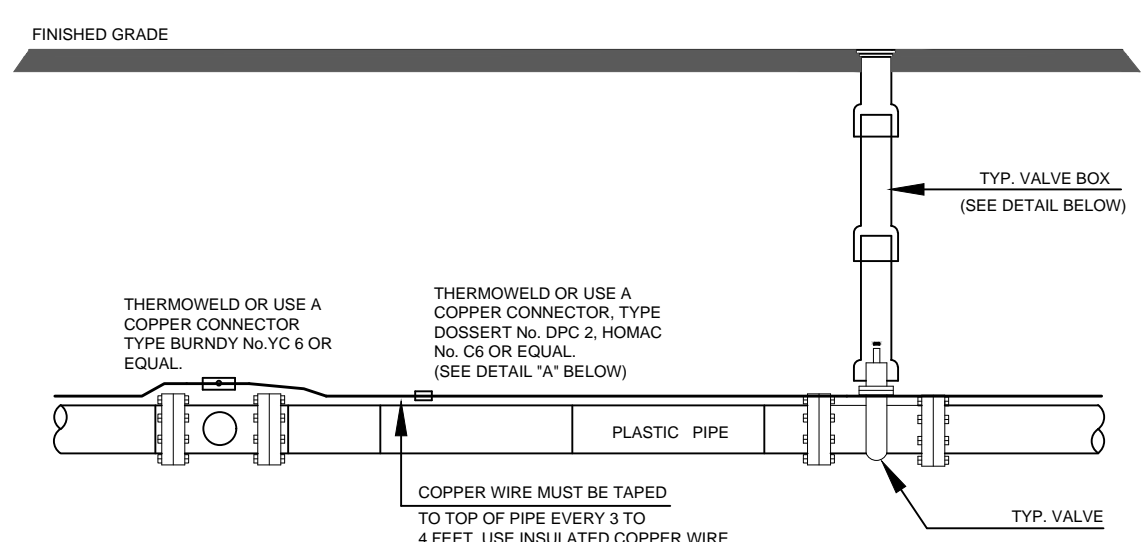
1. Riser pipe shall be wire brushed To clean bright metal.
2. Pipe clamp shall be located on Riser pipe.
3. Wire insulation shall be stripped To a minimum length to connect Wire to pipe clamp.

PACKAGED BACKFILL COMPOSITION:

- 75% gypsum
 - 20% bentonite
 - 5% sodium sulfate
- Ingot weight: 30 lbs.
Pkgd. Weight: 70 lbs. Approx.



ANODE LEAD ABOVE GRADE CONNECTION



NOTE

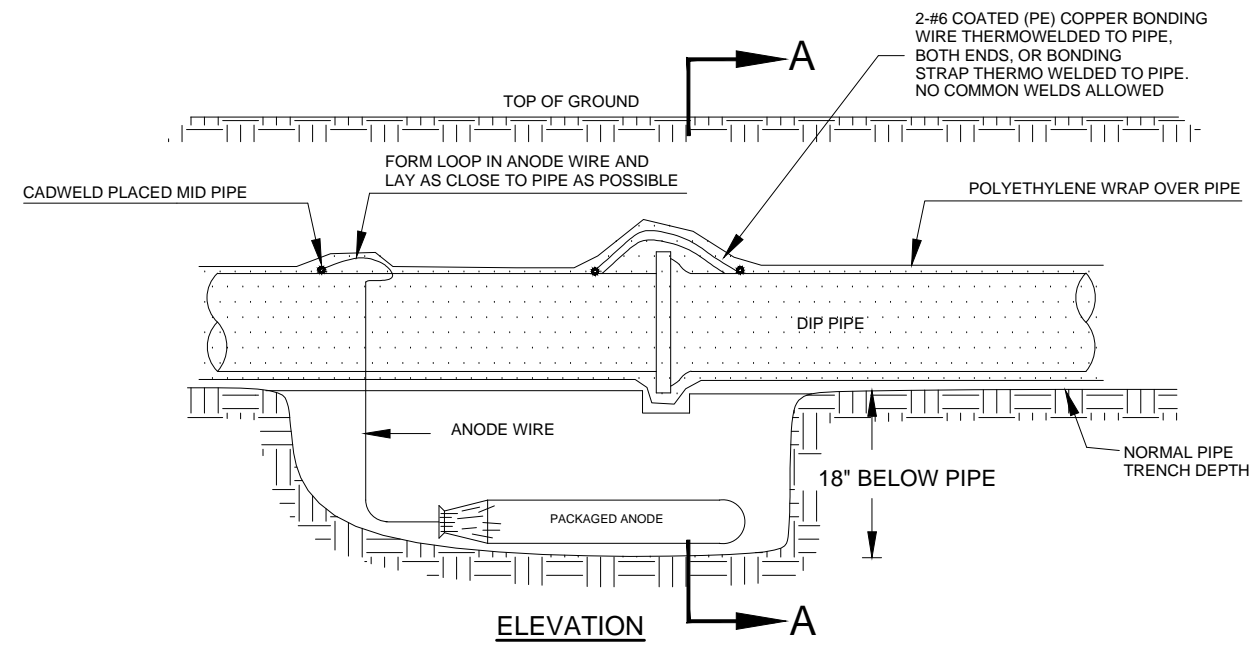
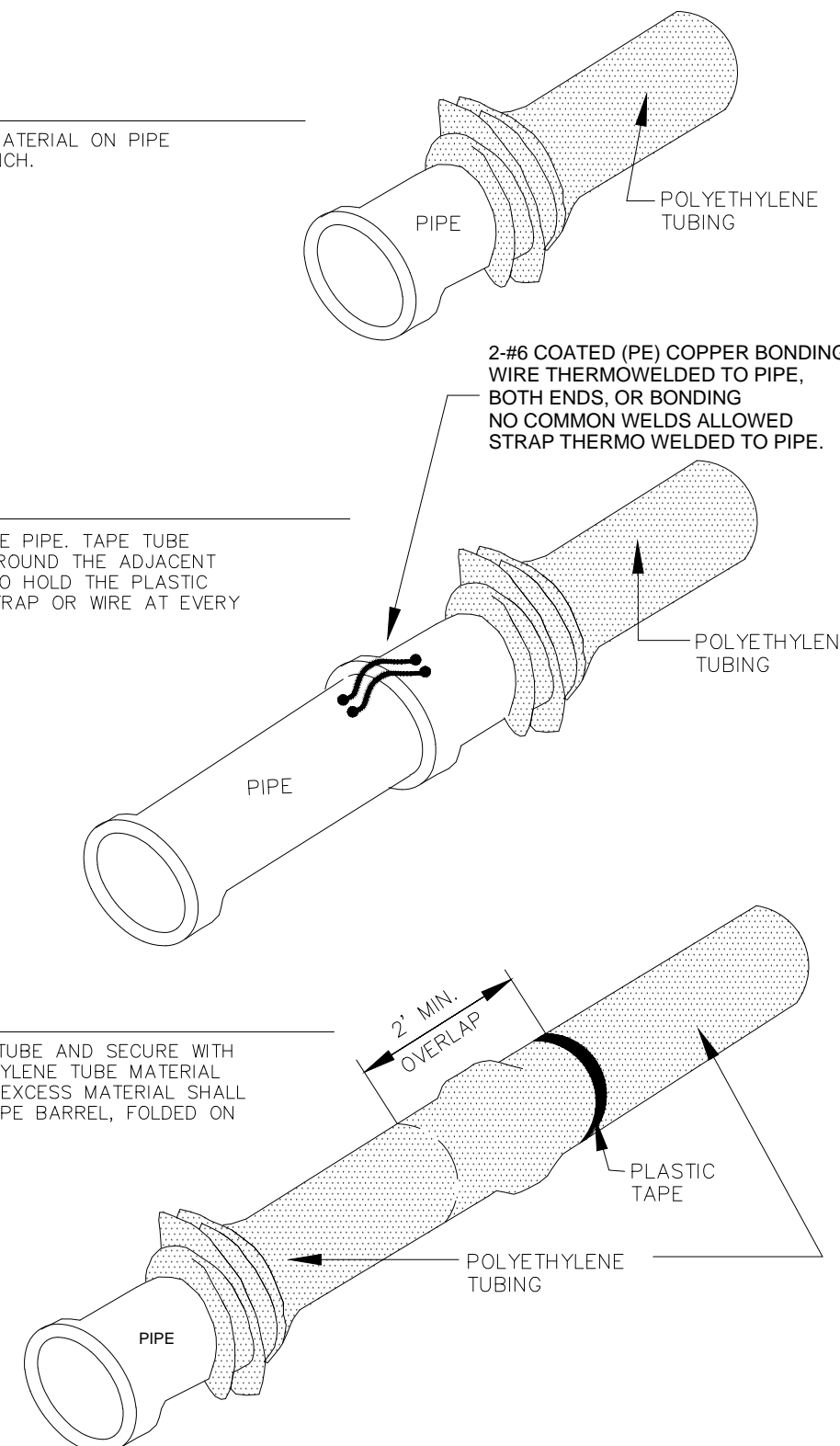
1. Contractor is responsible for continuity of all tracer wire.
2. Tracer wire is required on all pipes per MSMD specifications (PVC and HDPE).

FIELD INSTALLATION OF POLYETHYLENE WRAP FOR DIP PIPE AND FITTINGS.

STEP 1:
PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.

STEP 2:
PULL TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO END AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE. INSTALL BONDING STRAP OR WIRE AT EVERY JOINT OF PIPE PRIOR TO WRAPPING.

STEP 3:
OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE SHALL BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.



Anode Design

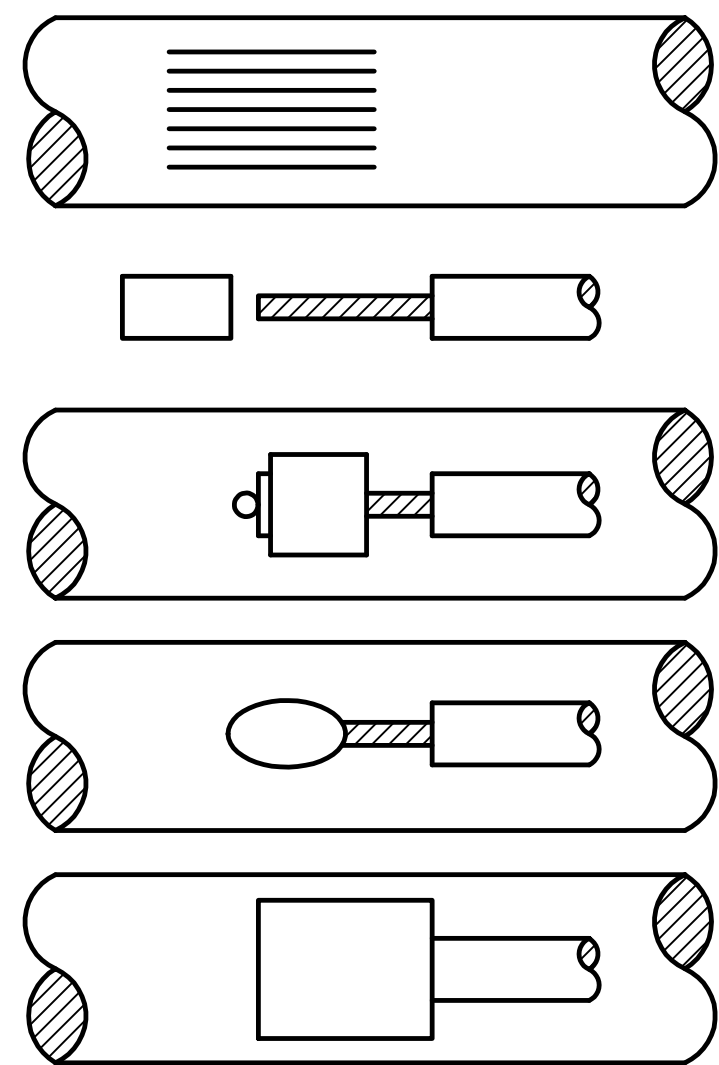
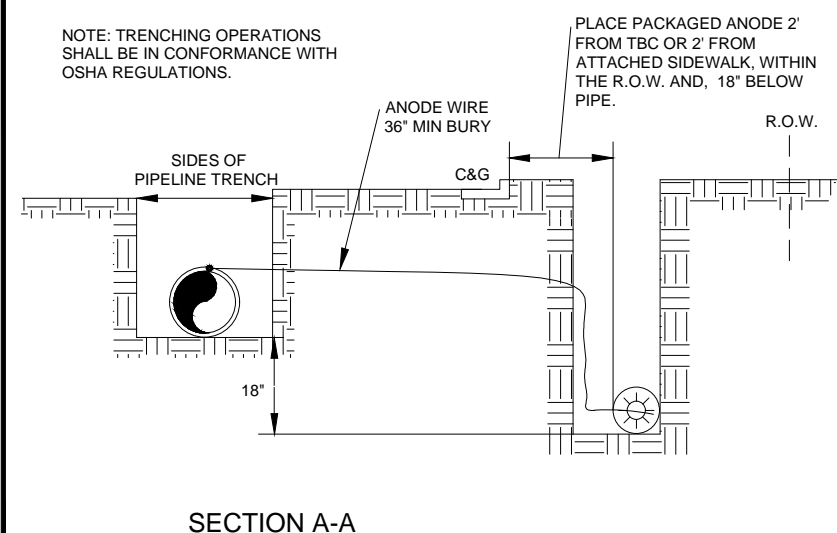
For use with DIP in conjunction with poly-wrap sleeves and piping in 1000 ohm-cm soil estimating a 5% holiday area.

Pipe Size Inches	Actual OD Inches	Anode Spacing Feet (see note 2)	Anode Weight (lb)
4	4.8	763	17 lb
6	6.9	531	17 lb
8	9.05	405	17 lb
12	13.20	277	17 lb
16	16	210	32 lb
20	20	169	32 lb
24	24	142	48 lb
30	30	114	48 lb
36	36	95.7	48 lb
42	42	82.4	48 lb
48	48	72.1	48 lb
54	54	64.2	48 lb

The distance from the point of the beginning to the first anode shall not exceed one half the recommended spacing.

NOTES

1. Cadweld connection to be primed and coated carefully. Packed anode should be covered with fine soil containing no rocks or dirt clumps, tamped.
2. When anodes are required with metal fittings and appurtenances together with PVC pipe installations, the anodes shall be placed and attached to the metal fittings in same manner as shown on this drawing.
3. Packaged anode to be wetted and covered with soil prior to backfilling.

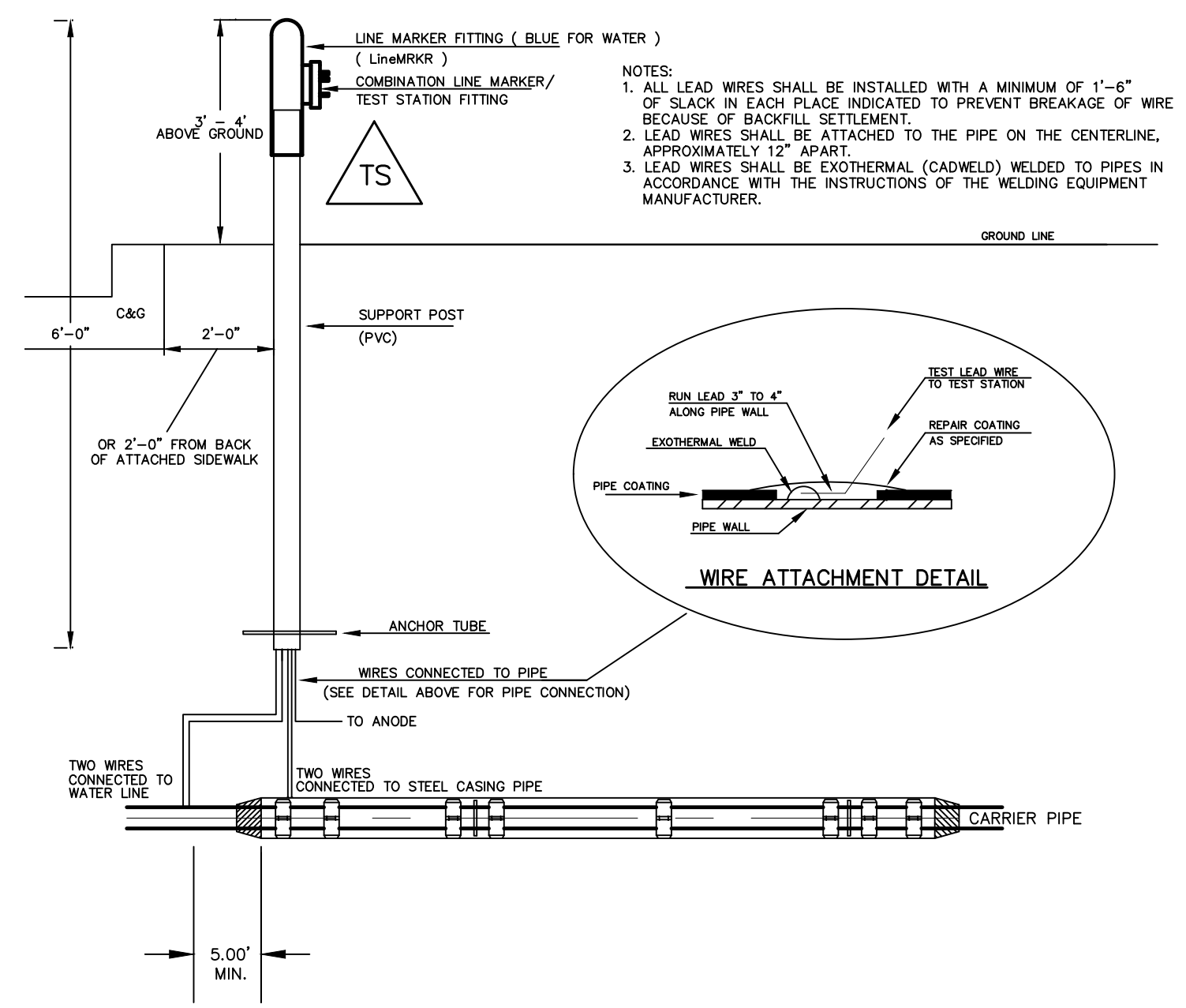


- STEP 1.** File structure connection area (3 in x 3 in) to bare shiny metal and clean.
- STEP 2.** Strip insulation from wire. Attach sleeve where required by manufacturer.
- STEP 3.** Hold mold firmly with opening away from operator and ignite with flint gun.
- STEP 4.** Remove slag from connection and peen weld for soundness.
- STEP 5.** Cover connection and exposed structure surface with a bituminous coating compound. Place plastic shield cap firmly over connection.

NOTES:

1. All wire welds shall be minimum 3 inches apart.
2. Standard weld cartridges shall be used for steel surfaces.

EXOTHERMIC WELD PROCESS



NOTES:

- 1.) Lowerings to be cathodically protected under the direction of the MSMD Inspector, per standards. (For anode size see detail above.)
- 2.) Example can vary due to site conditions and MSMD Inspector's direction's.
- 3.) Reference Colorado Springs Utilities Standard Detail Drawing No. A 8-6 - Steel Sleeve Installation.

No.	Revisions	Date	Appr.

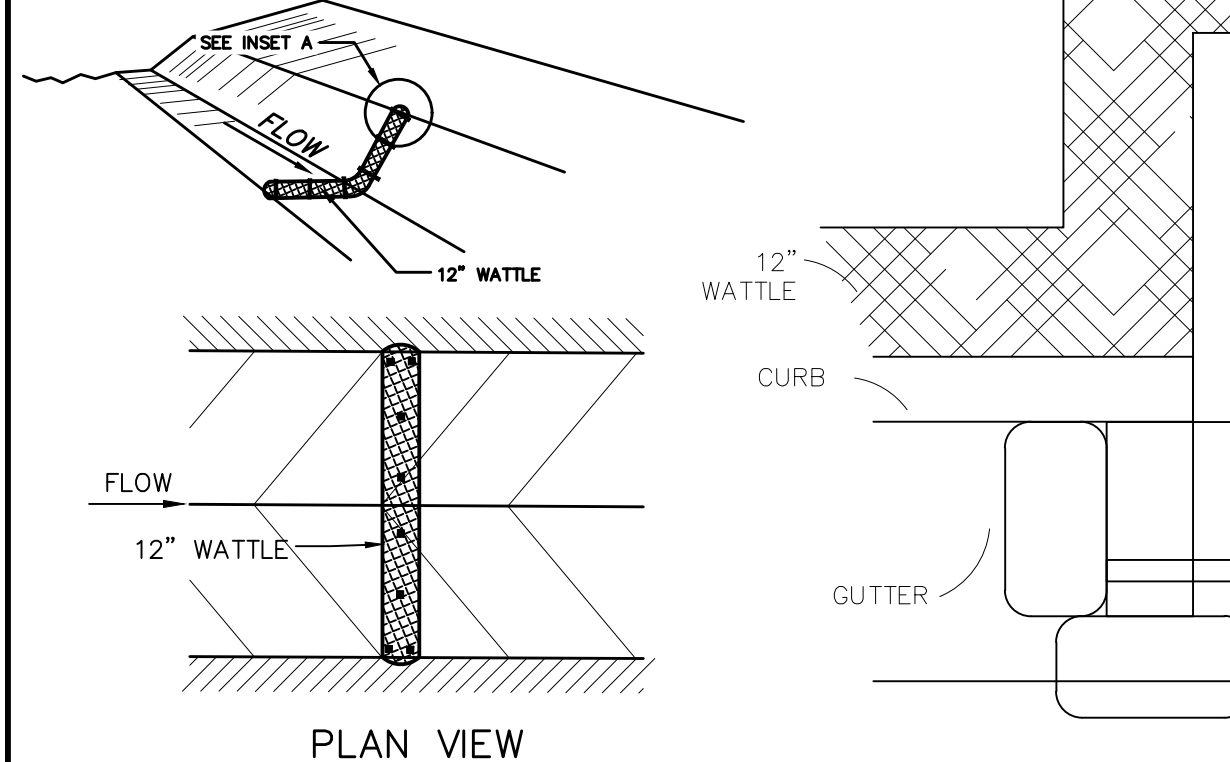
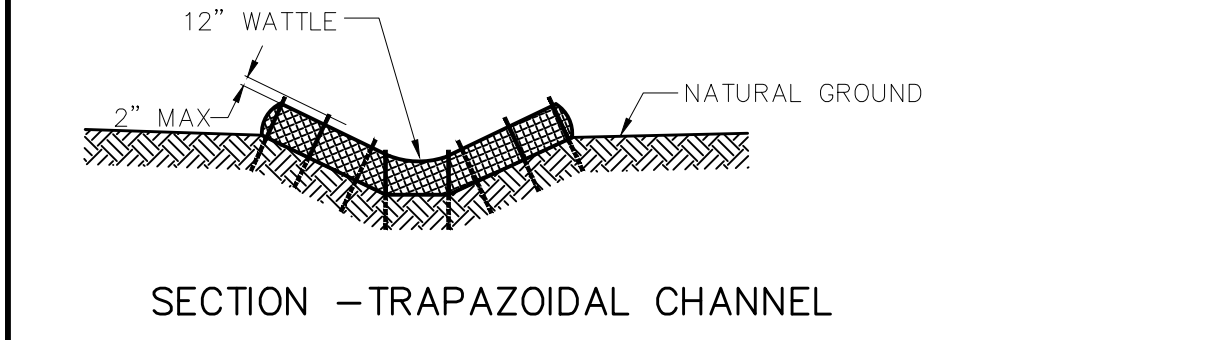
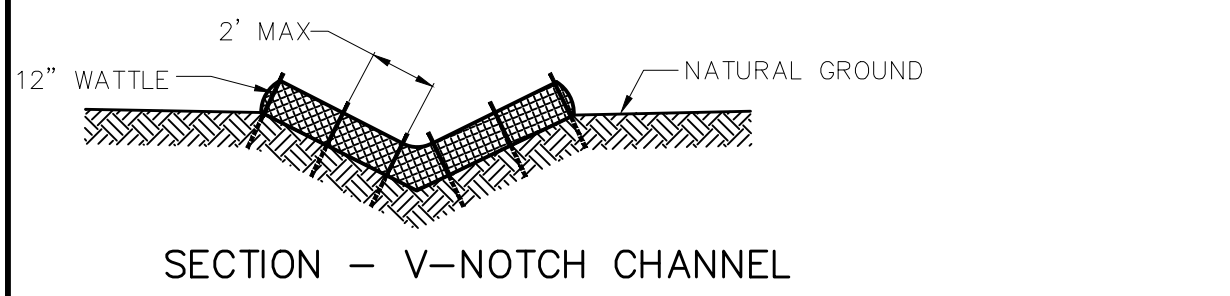
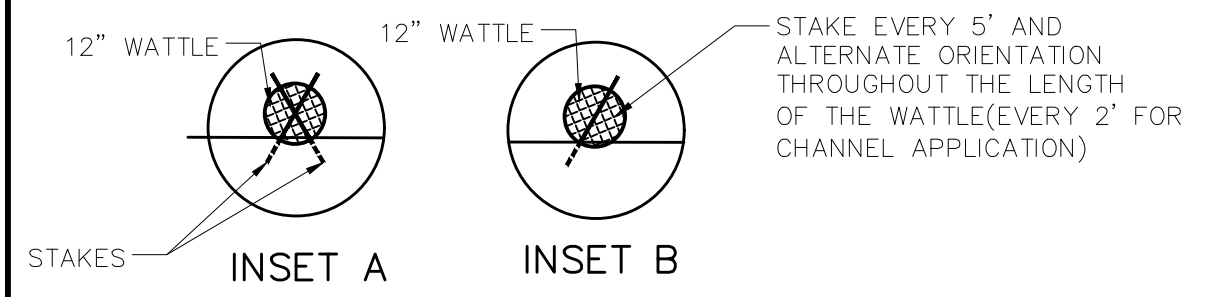
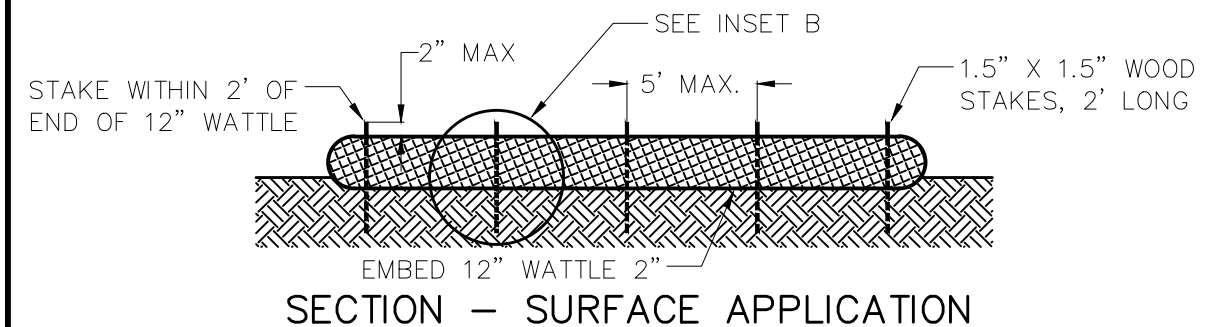
TECH CONTRACTORS
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LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1
SITE CONSTRUCTION DOCUMENTS
DETAIL SHEET

Drawn by LGG
Checked by THK
Date MAY 2018

Scale AS SHOWN
SHEET C-13



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.

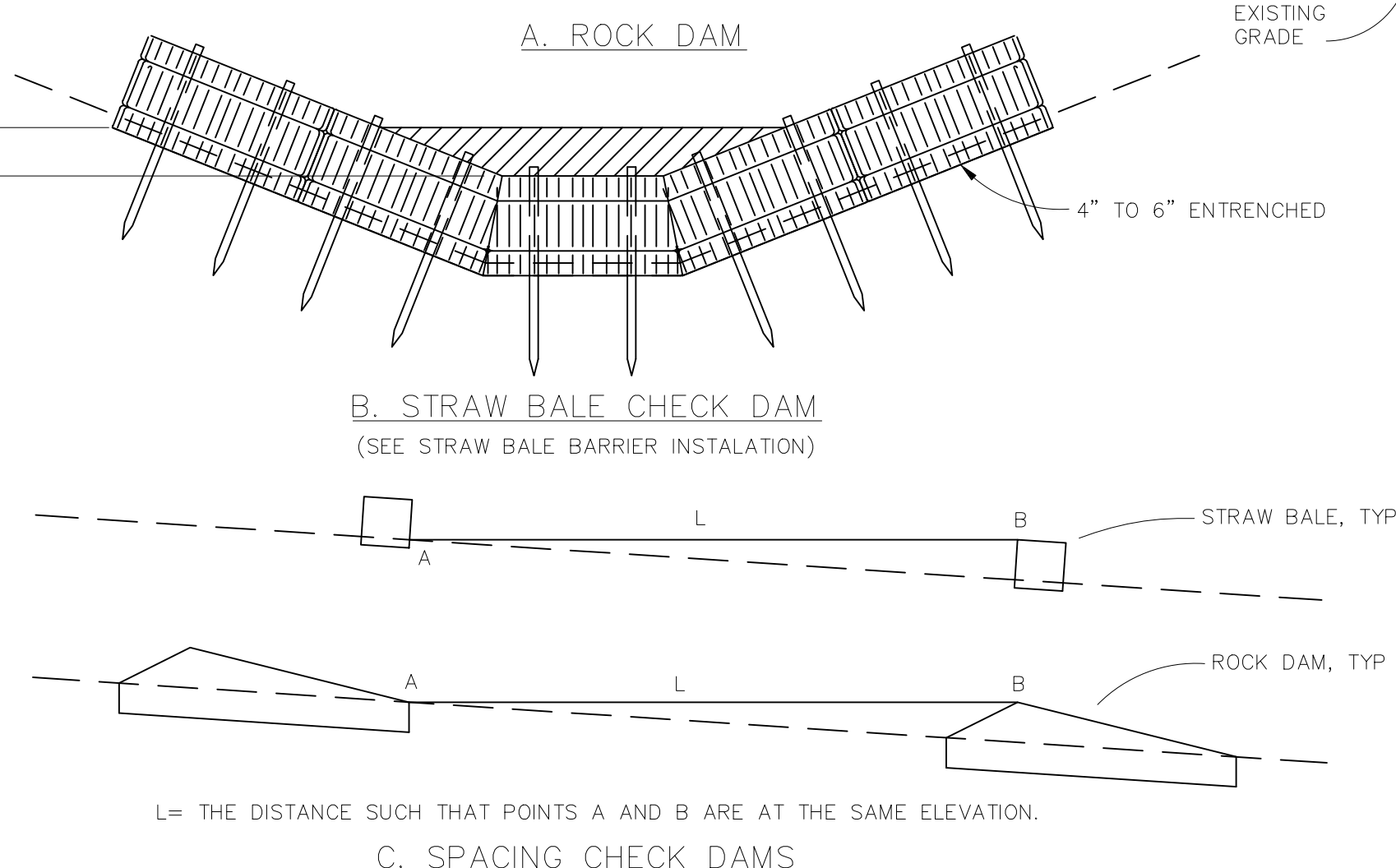
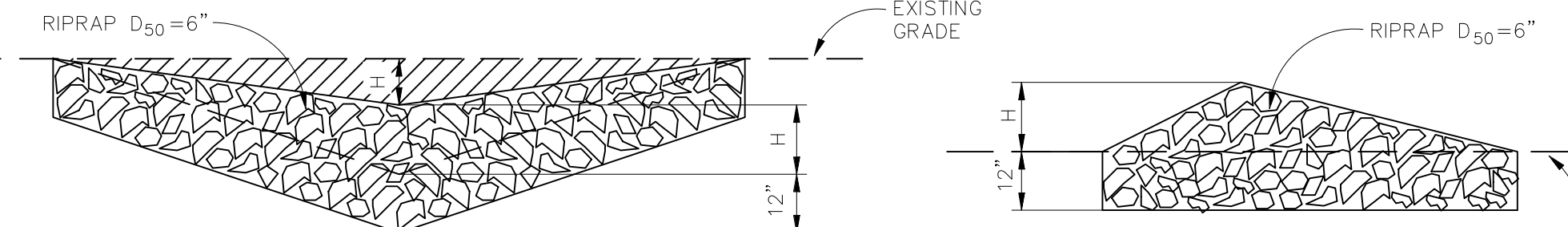
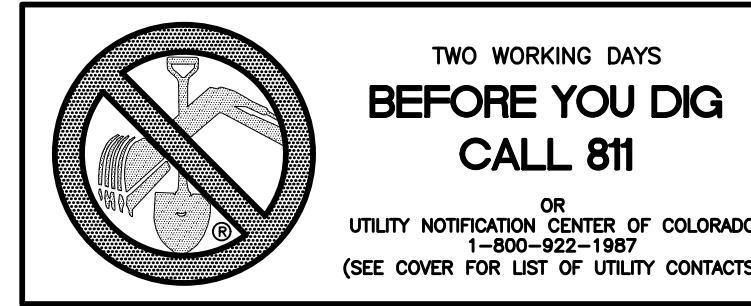
STRAW BALE BARRIER NOTES

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 END 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 1.33 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, AT LEAST DAILY DURING PROLONGED 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.

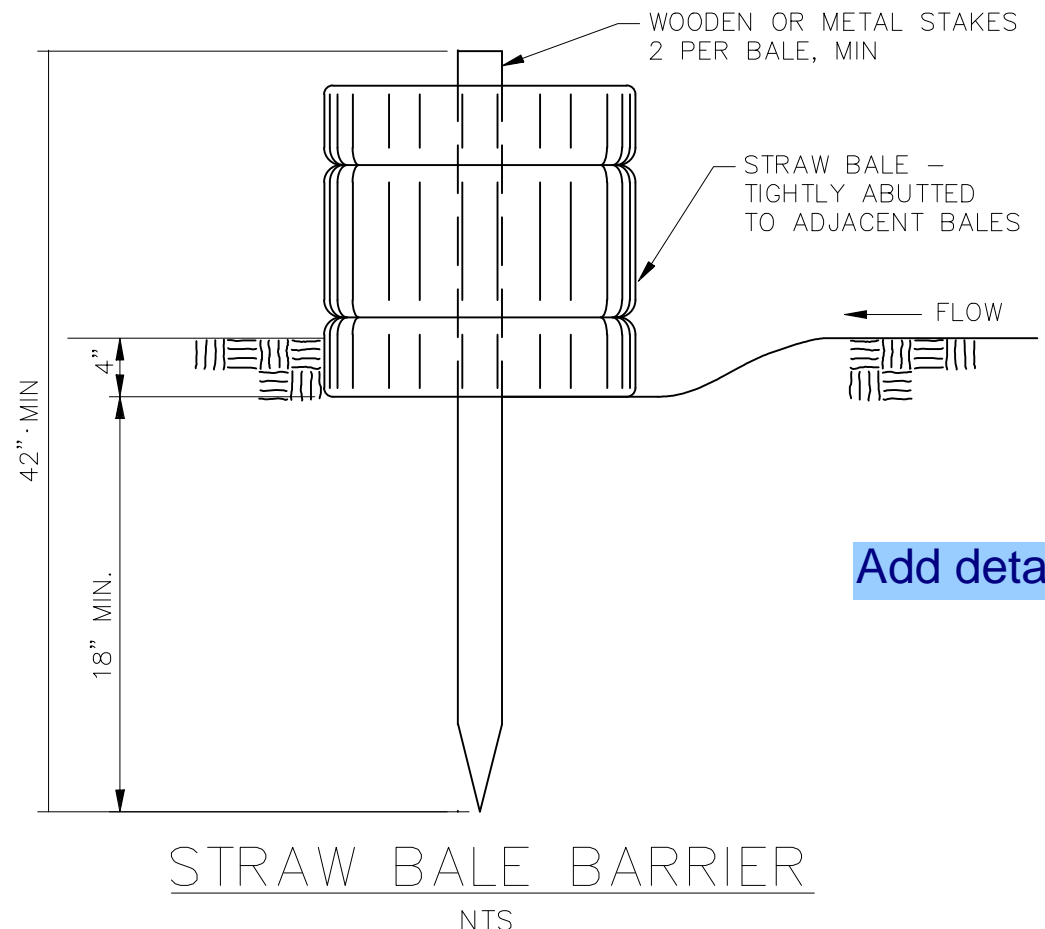


INSTALLATION REQUIREMENTS

- 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.



Add detail for the concrete washout

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.

CONCRETE BLOCK AND GRAVEL BAG* CURB INLET PROTECTION

BLOCK AND GRAVEL BAG* CURB INLET PROTECTION NOTES

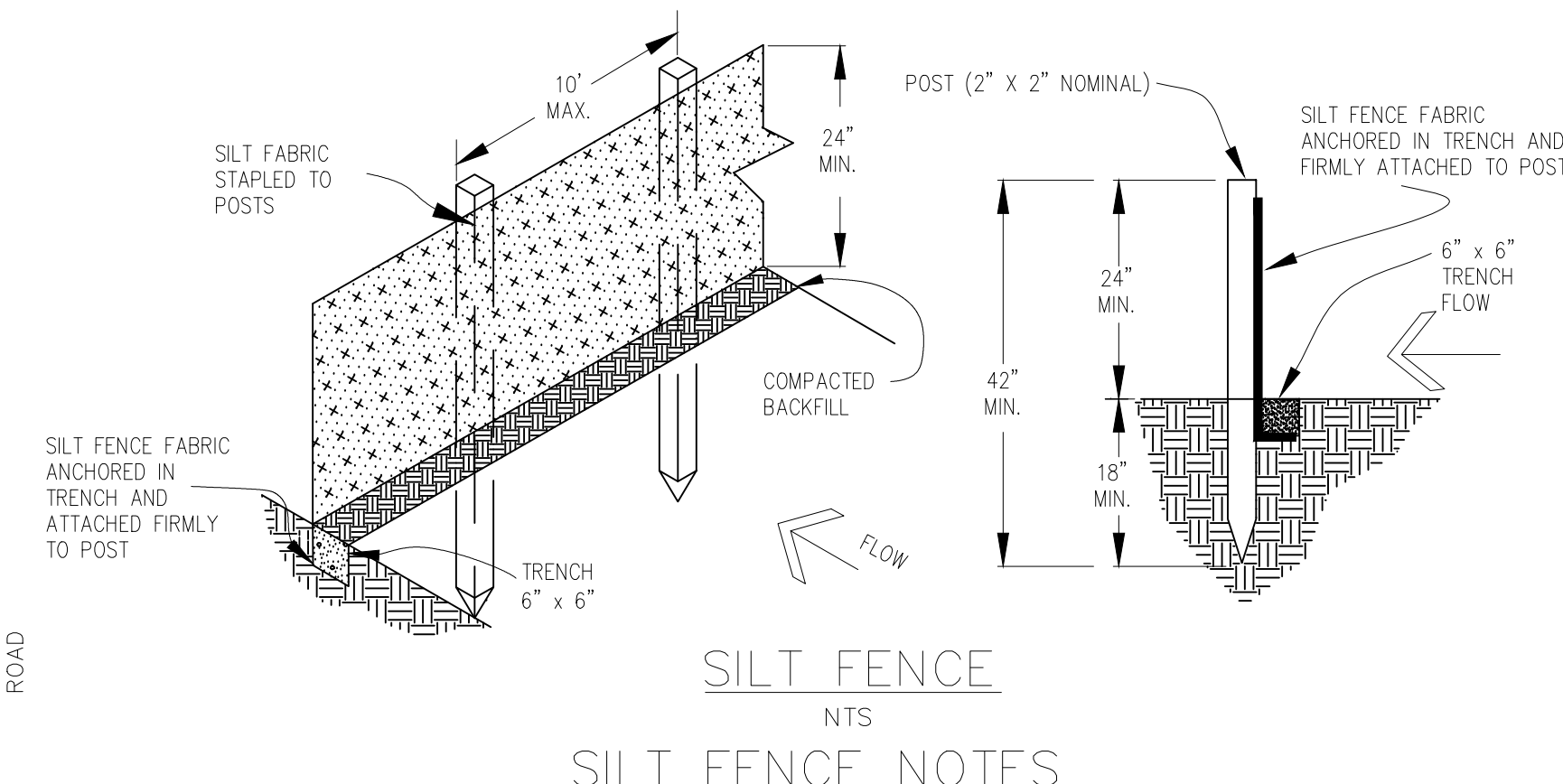
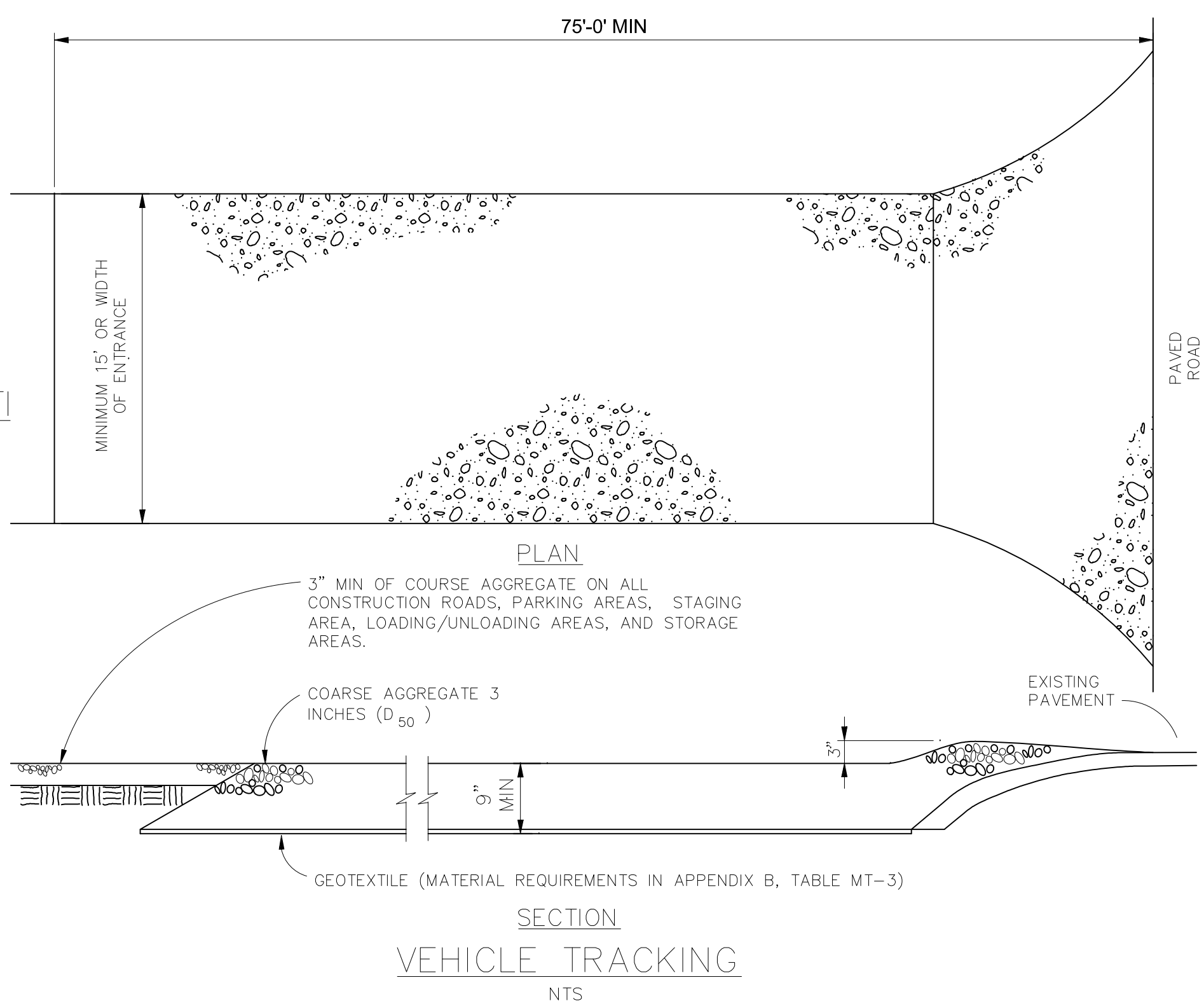
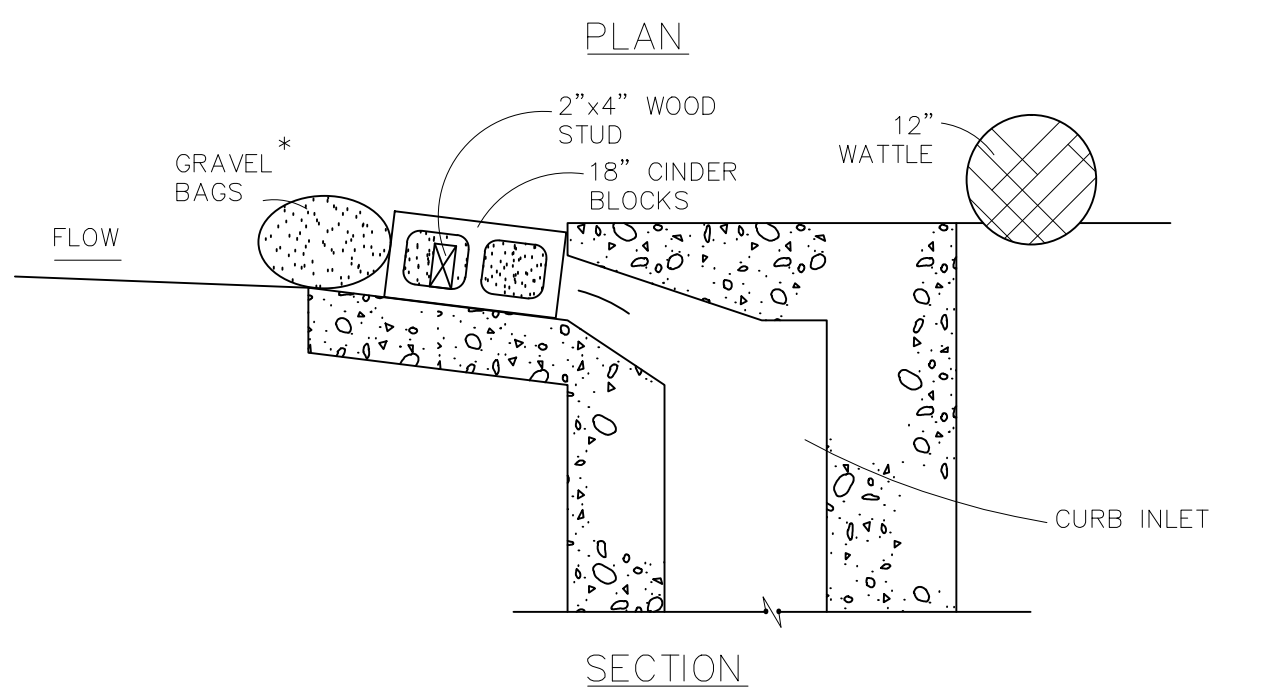
INSTALLATION REQUIREMENTS

- 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, AT LEAST DAILY DURING PROLONGED 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.

* 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.



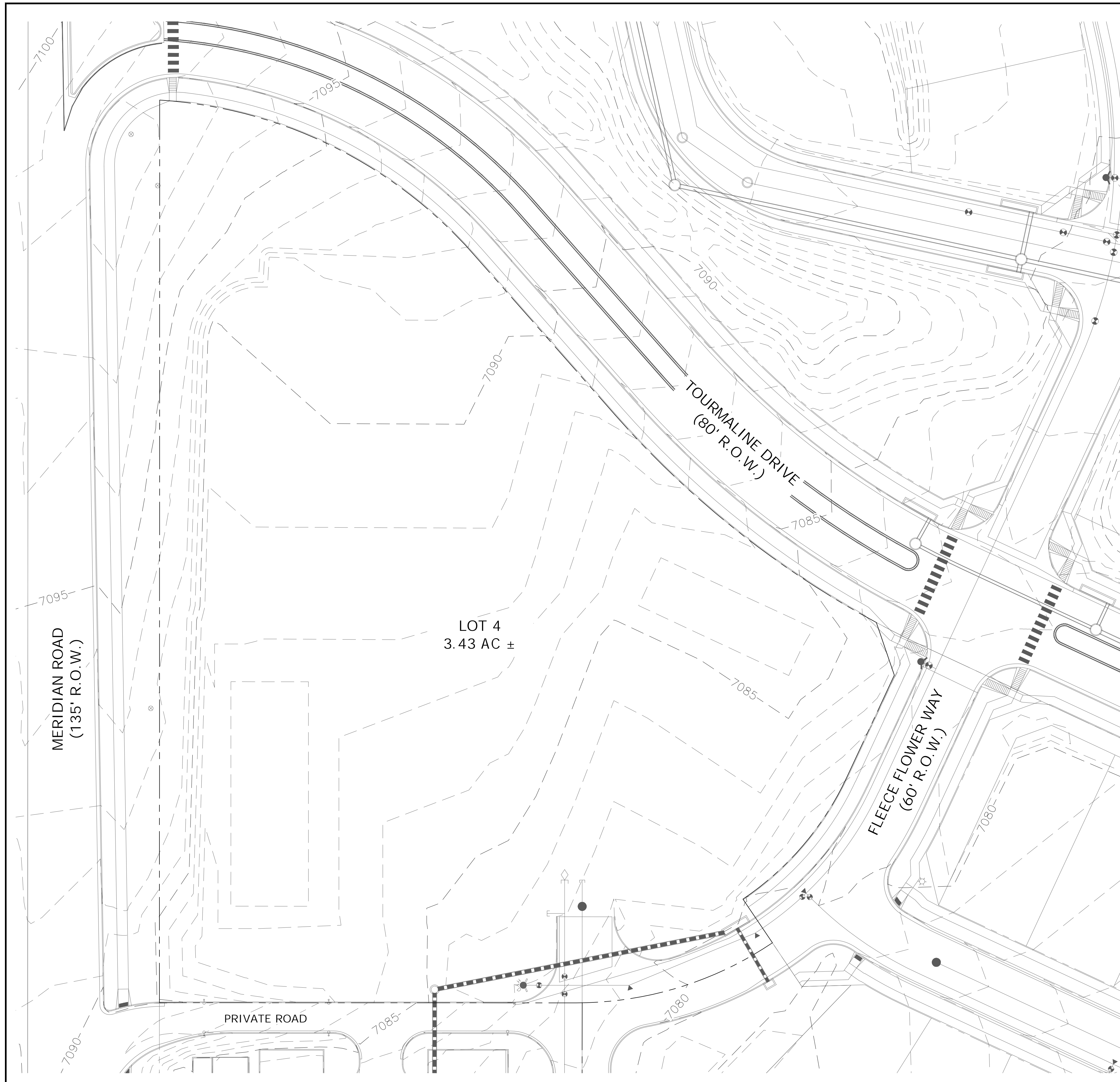
INSTALLATION REQUIREMENTS

- SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPliced TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
- 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.
- 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.
- 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.

MAINTENANCE REQUIREMENTS

- 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.
- SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
- SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.

TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457			Date	
MERIDIAN RANCH			Date	
LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS			Date	
DETAIL SHEET			Date	
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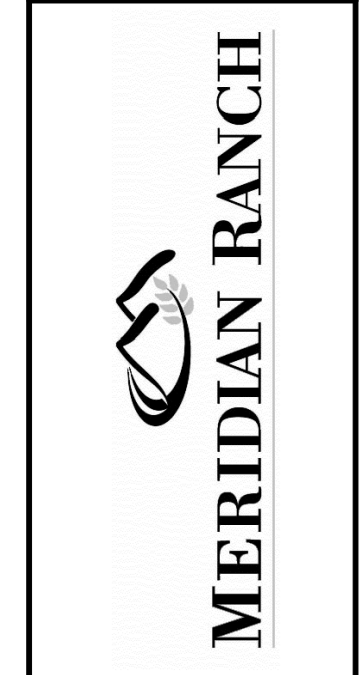


GENERAL NOTES:

- SEE SHEET C1.2 FOR LEGEND.
- SEE SHEET C1.1 FOR SITE GENERAL NOTES.
- CONTRACTOR TO COORDINATE UTILITY REMOVALS WITH RESPECTIVE UTILITY COMPANIES AND PLUMBING PLANS TO ENSURE CORRECT REMOVAL AND SHUTOFF. ALL MATERIALS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED PER LOCAL CODES AND REGULATIONS.
- THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING COLORADO ONE CALL AT 1-800-922-1987 AND COORDINATING FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING AND UTILITY WORK.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL ADJACENT STREETS FREE OF DEBRIS AND DIRT FROM THE JOB SITE.
- LOCATION AND ELEVATIONS OF EXISTING IMPROVEMENTS TO BE MET (OR AVOIDED) BY PROPOSED WORK 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.
- 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 WILL BE NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
- 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.
- CONTRACTOR TO OBTAIN TEMPORARY POWER, TELEPHONE AND WATER FOR THE SITE.

No.	Revisions	Date	Init.	Appr.	Date

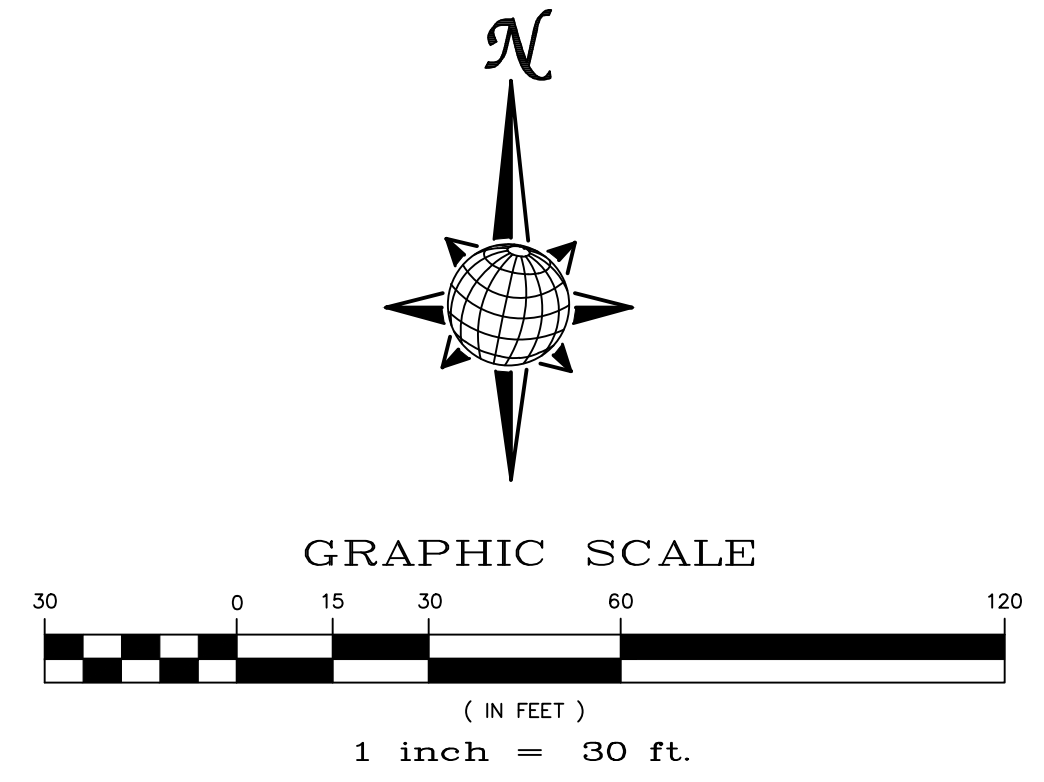
TECH CONTRACTORS
 11886 STAPLETON DRIVE
 FALCON, CO 80831
 TELEPHONE: 719.495.7444
 FAX: 719.495.2457



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

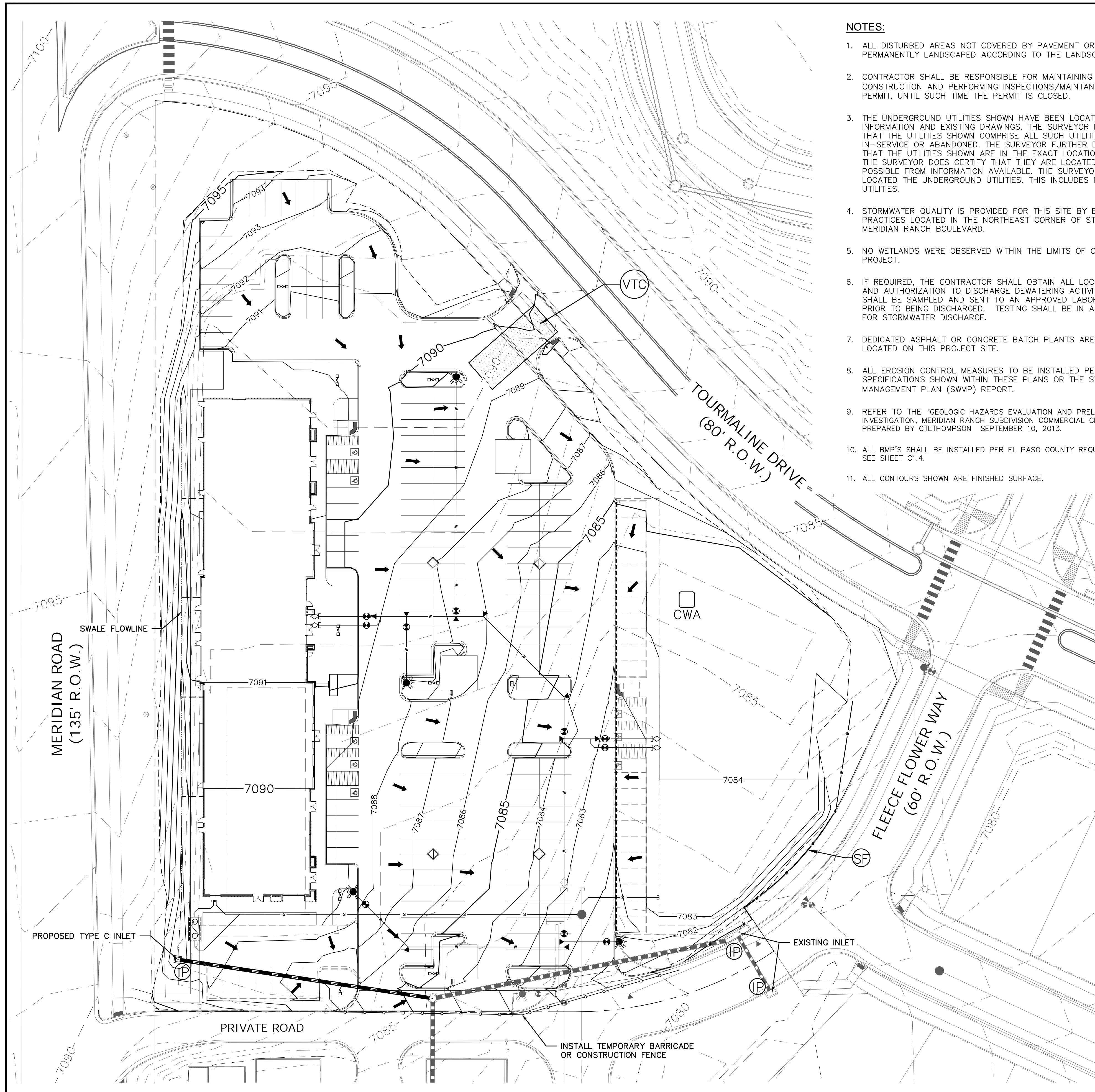
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NOTES:

- ALL DISTURBED AREAS NOT COVERED BY PAVEMENT OR SEED/MULCH SHALL BE PERMANENTLY LANDSCAPED ACCORDING TO THE LANDSCAPE PLAN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PLAN THROUGHOUT CONSTRUCTION AND PERFORMING INSPECTIONS/MAINTANCE PER THE CDPHE PERMIT, UNTIL SUCH TIME THE PERMIT IS CLOSED.
- 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.
- STORMWATER QUALITY IS PROVIDED FOR THIS SITE BY BEST MANAGEMENT PRACTICES LOCATED IN THE NORTHEAST CORNER OF STAPLETON DRIVE AND MERIDIAN RANCH BOULEVARD.
- NO WETLANDS WERE OBSERVED WITHIN THE LIMITS OF CONSTRUCTION FOR THE PROJECT.
- 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.
- DEDICATED ASPHALT OR CONCRETE BATCH PLANTS ARE NOT ANTICIPATED TO BE LOCATED ON THIS PROJECT SITE.
- ALL EROSION CONTROL MEASURES TO BE INSTALLED PER DETAILS AND SPECIFICATIONS SHOWN WITHIN THESE PLANS OR THE STORMWATER MANAGEMENT PLAN (SWMP) REPORT.
- REFER TO THE 'GEOLOGIC HAZARDS EVALUATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION, MERIDIAN RANCH SUBDIVISION COMMERCIAL CENTER AND FILING NO. 48' PREPARED BY CTLTHOMPSON SEPTEMBER 10, 2013.
- ALL BMP'S SHALL BE INSTALLED PER EL PASO COUNTY REQUIREMENTS AND DETAILS, SEE SHEET C1.4.
- ALL CONTOURS SHOWN ARE FINISHED SURFACE.

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, FILTREX 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.

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

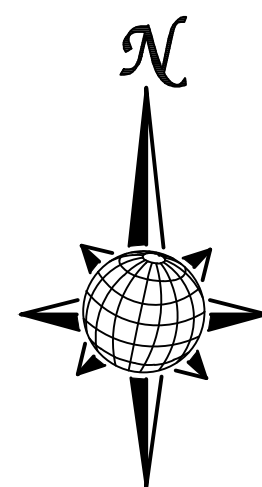
A THOROUGH INSPECTION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE PERFORMED EVERY 14 DAYS AS WELL AS AFTER ANY RAIN OR SNOWMELT EVENT THAT CAUSES SURFACE EROSION:
 * EROSION OF V-NOTCH SWALES, CHANNELS AND SIDE SLOPES SHALL BE REPAIRED.
 * WHEN THE CHECK DAMS HAVE SILTED UP TO HALF THEIR HEIGHT, THE SILT SHALL BE REMOVED, CHANNEL GRADE REESTABLISHED, AND SIDE SLOPES RE-SEEDDED 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

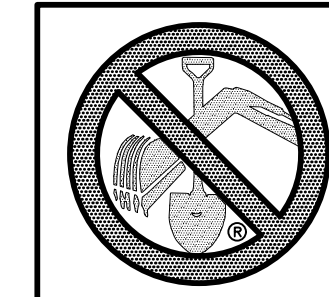
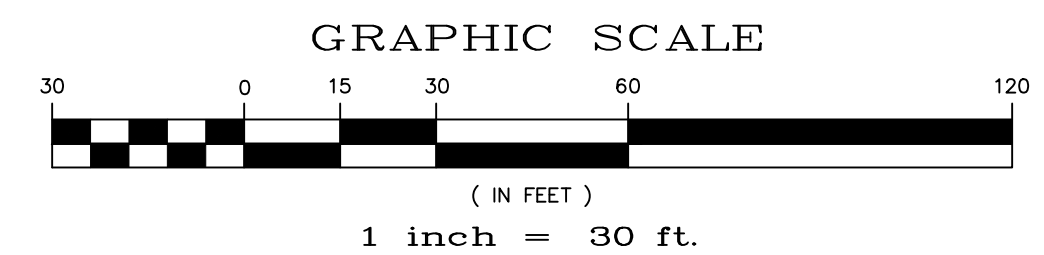
ALL DISTURBED AREAS SHALL BE SEEDDED WITHIN TWO (2) WEEKS FOLLOWING THE ESTABLISHMENT OF FINAL GRADE. AREAS TO RECEIVE PAVEMENT DURING THE CONSTRUCTION SHALL NOT RECEIVE ANY SEEDING. SEEDING SHOULD BE ACCOMPLISHED USING AN APPROPRIATE GRASS DRILL, BY BROADCASTING OR BY HYDROMULCHING. IF SEEDING BY THE 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 WEED 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.

Sedimentation basin required for disturbed areas draining more than one acre.

Update the FAE accordingly.



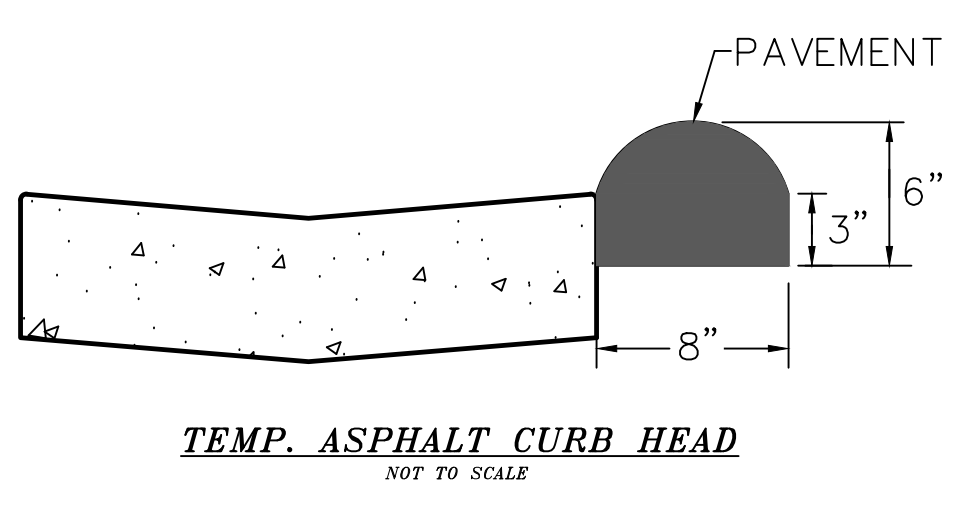
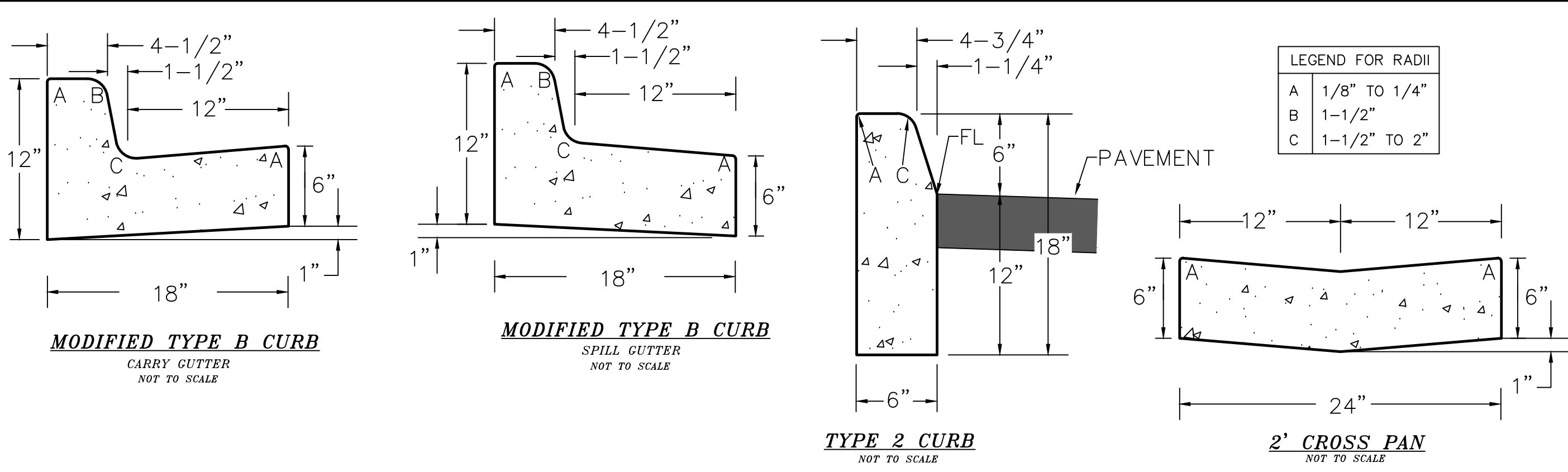
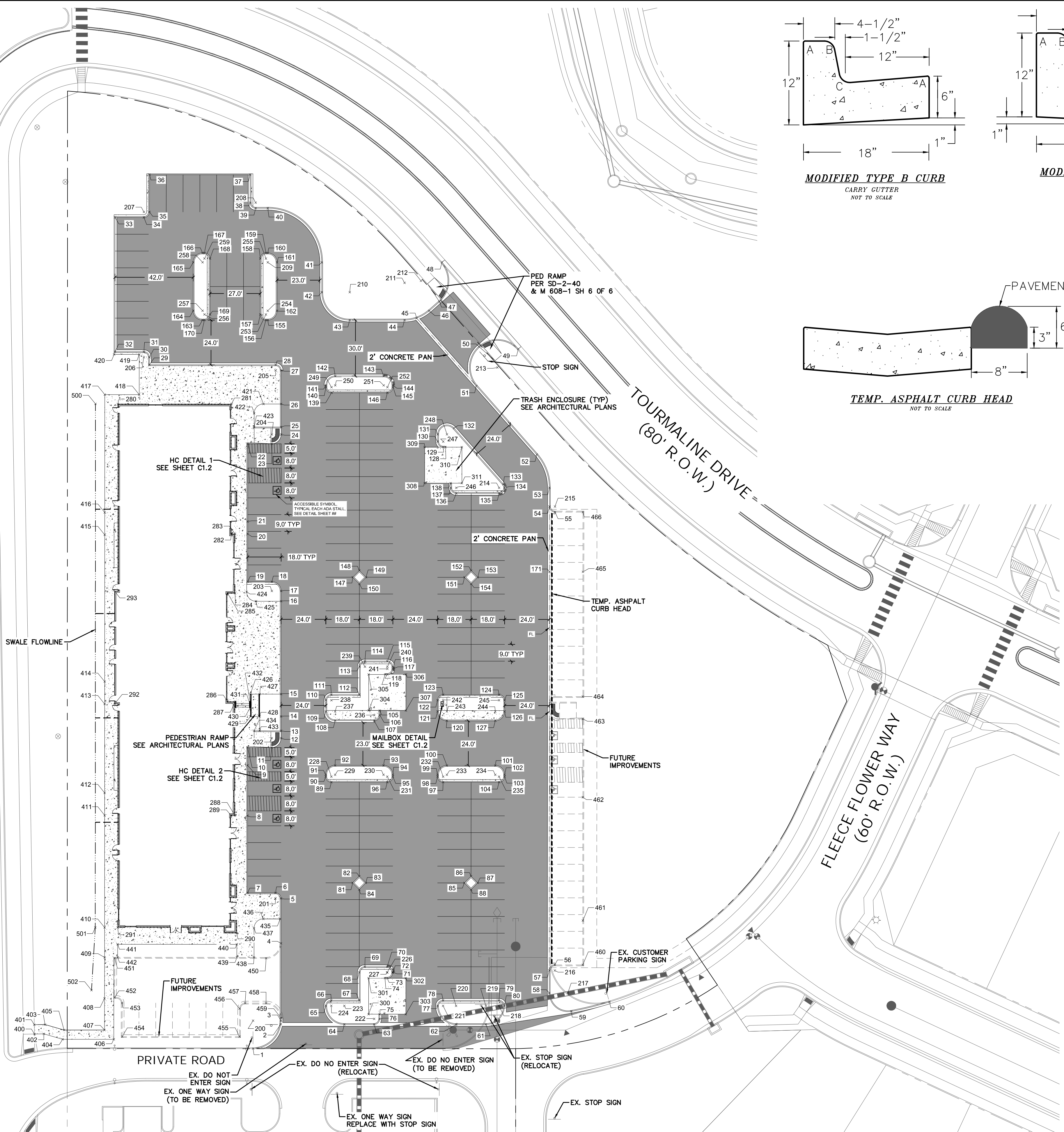
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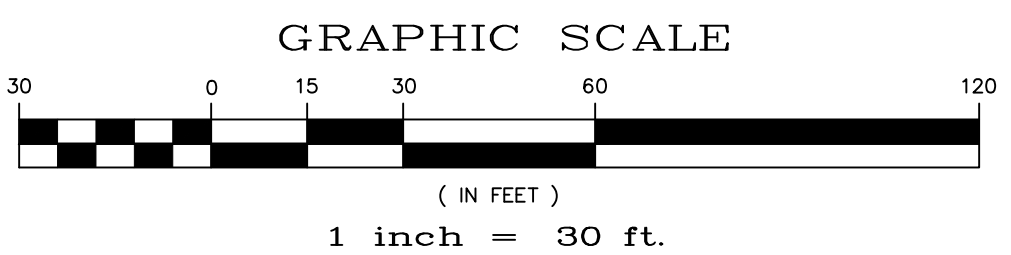
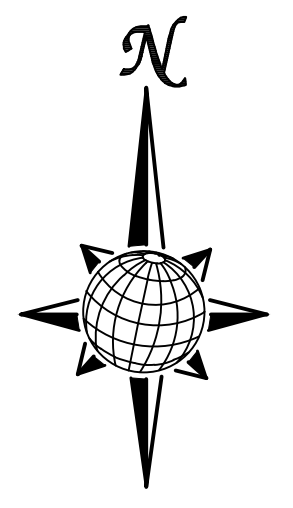
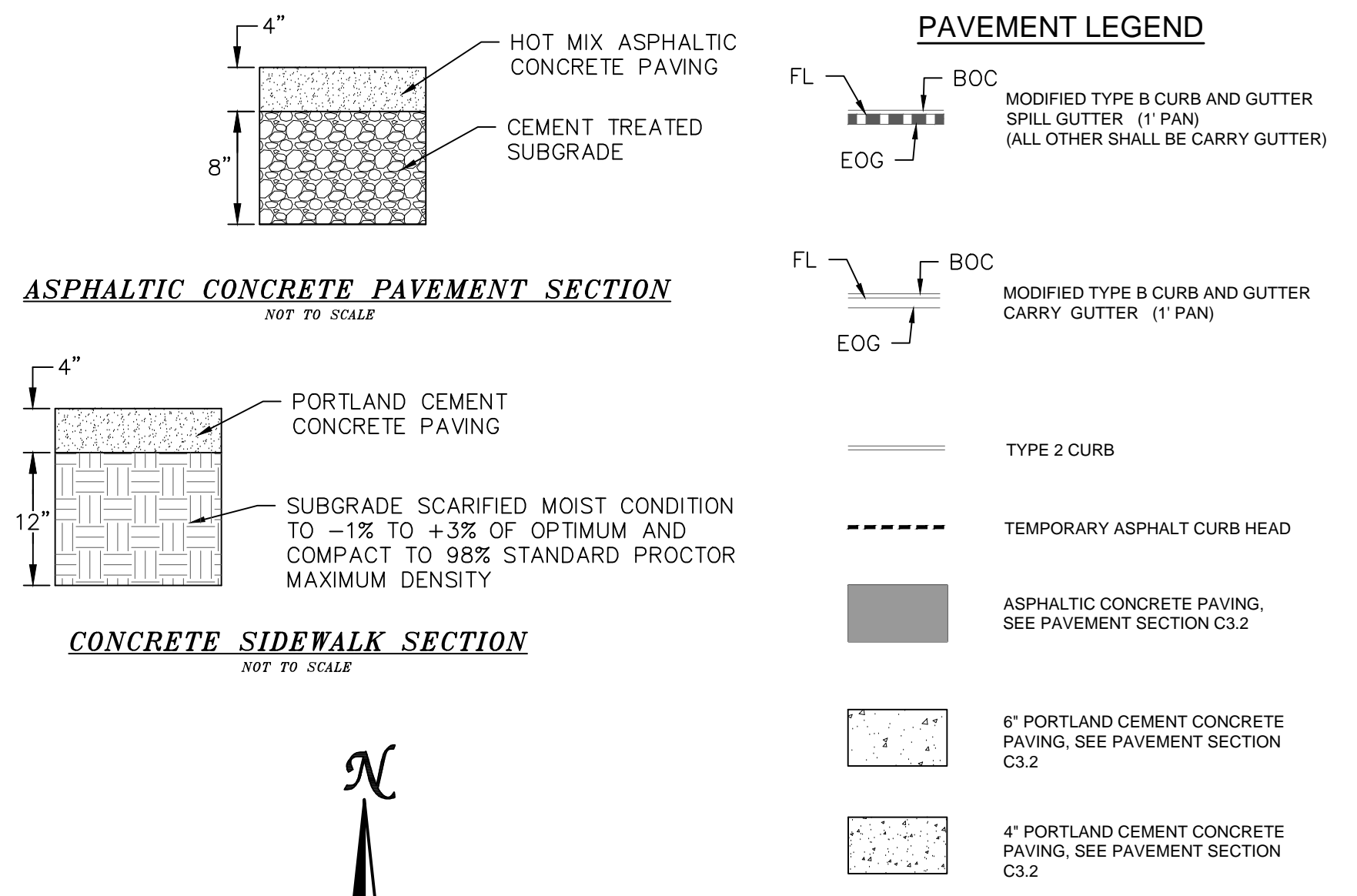
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SITE CONSTRUCTION DOCUMENTS			
EROSION CONTROL			
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 MERIDIAN RANCH			
No.	Revisions	Date	Appr.

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



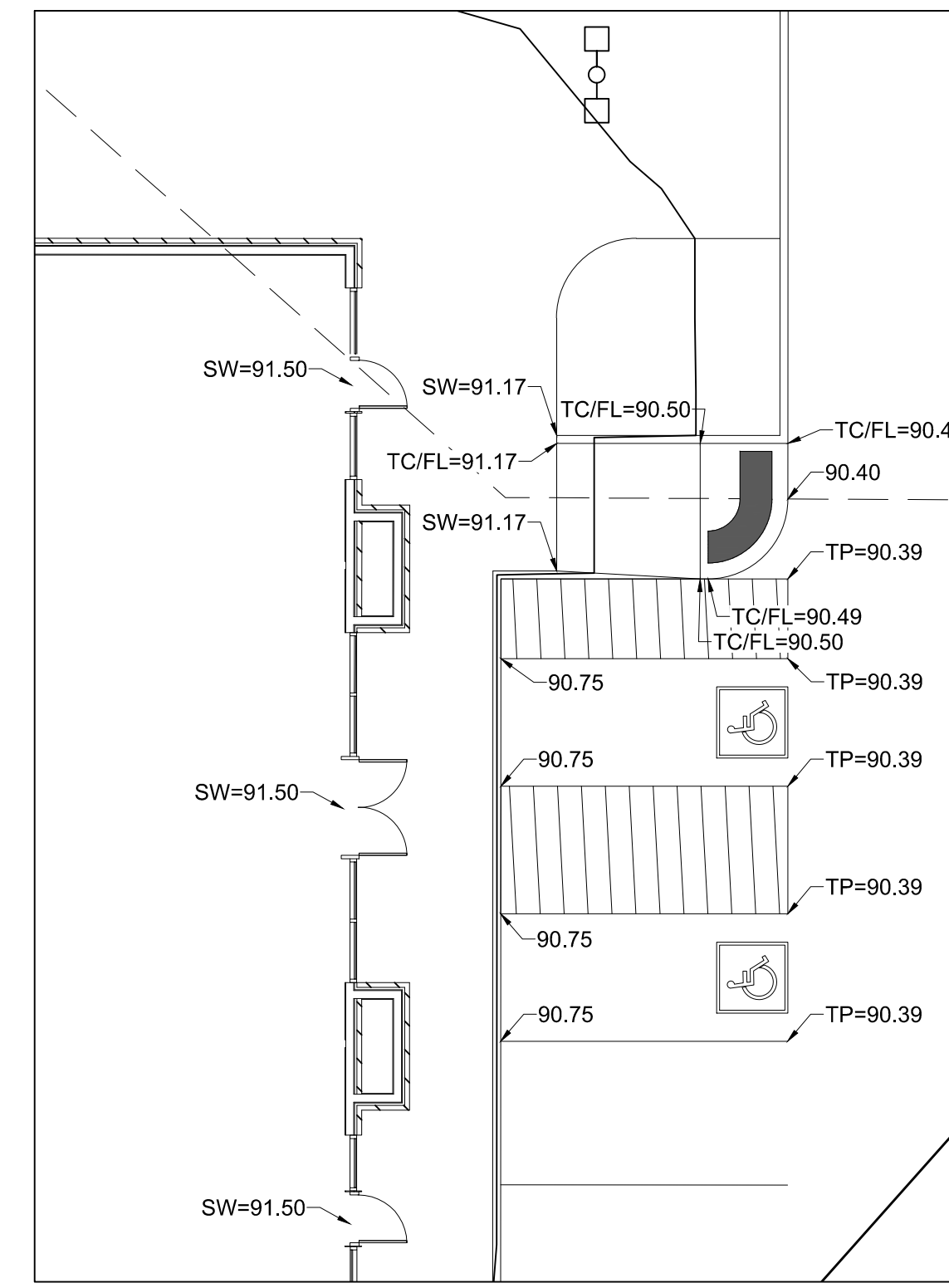
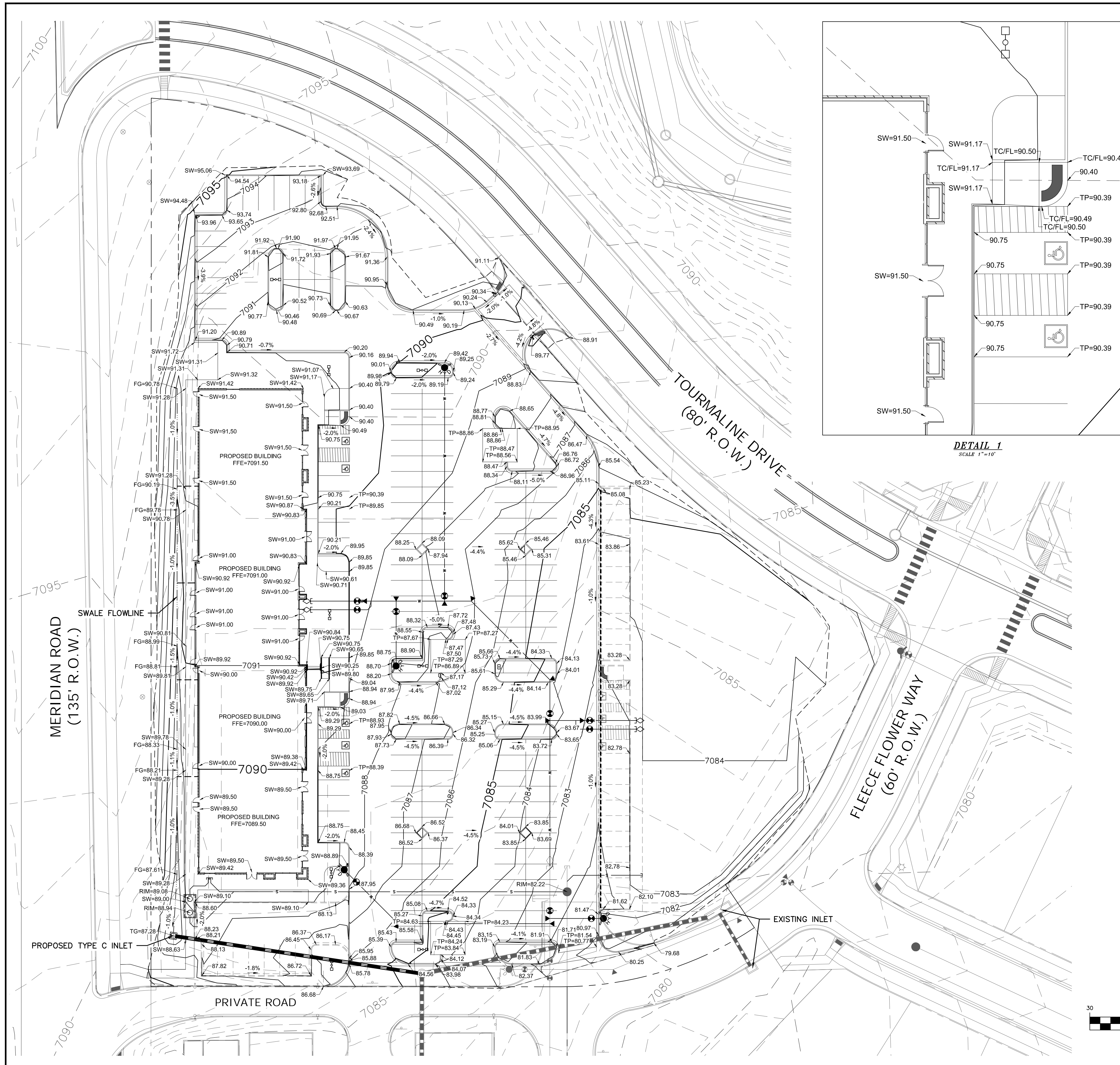
PAVING NOTES

- 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.

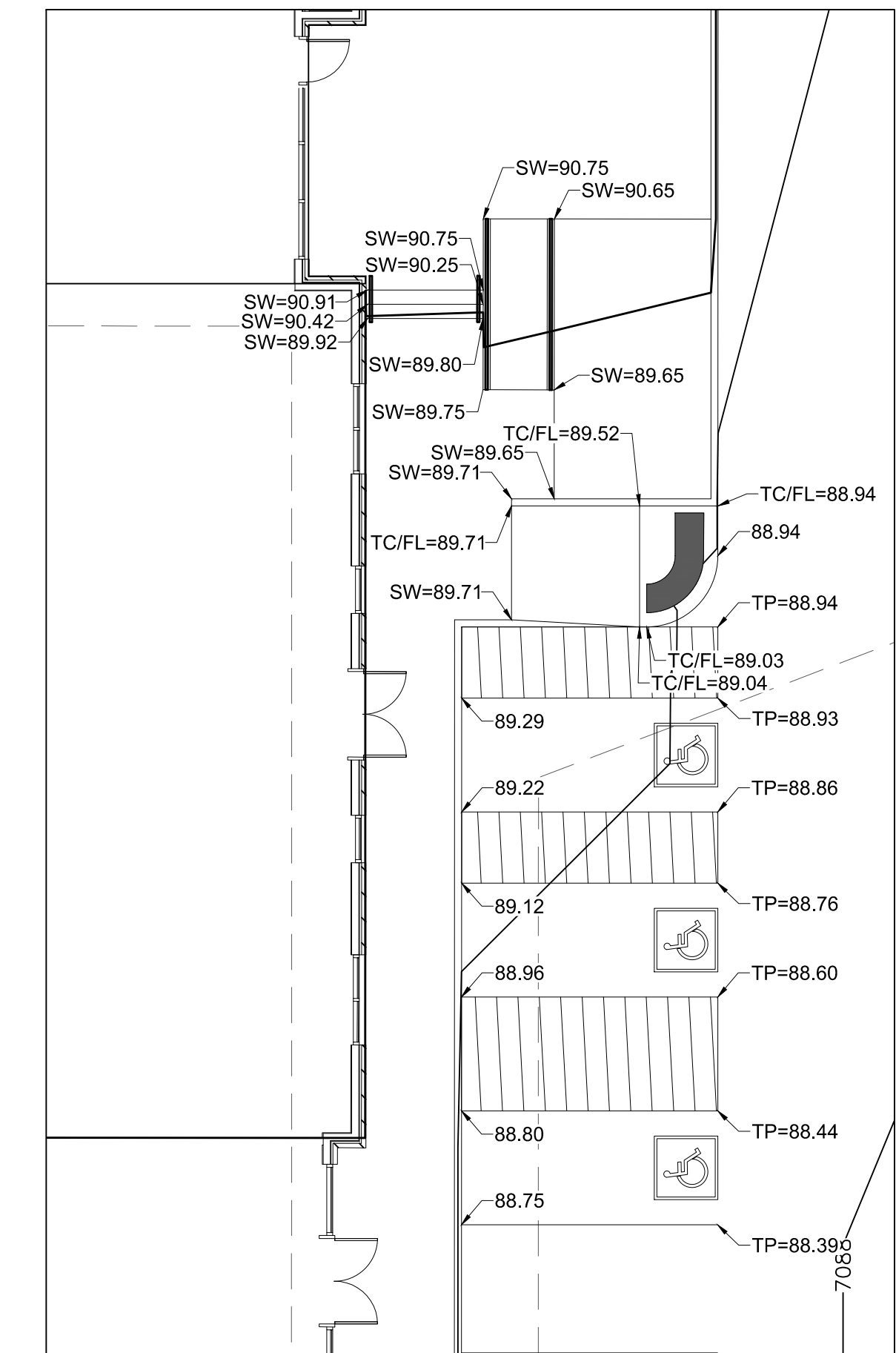


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TECH CONTRACTORS		11886 STAPLETON DRIVE		FALCON, CO 80831		TELEPHONE: 719.495.7444 FAX: 719.495.2457	
MERIDIAN RANCH		No.		Revisions		Date	
Date		Appr.		Date		Date	



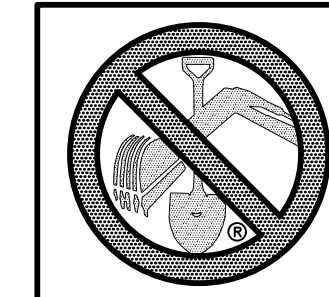
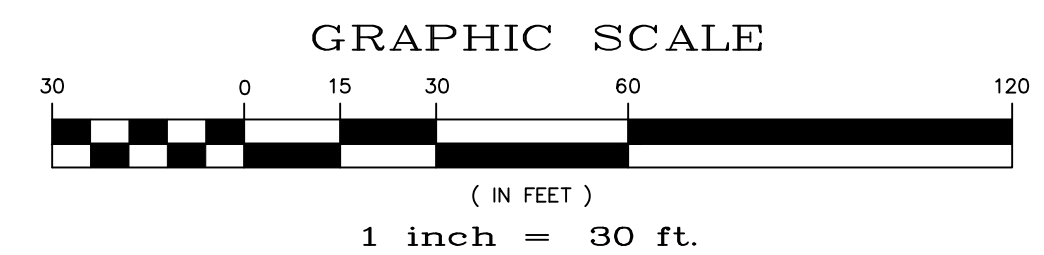
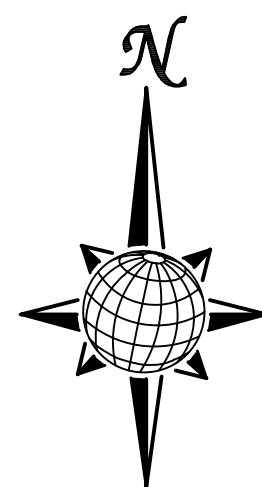
DETAIL 1
SCALE 1"=10'



DETAIL 2
SCALE 1"=10'

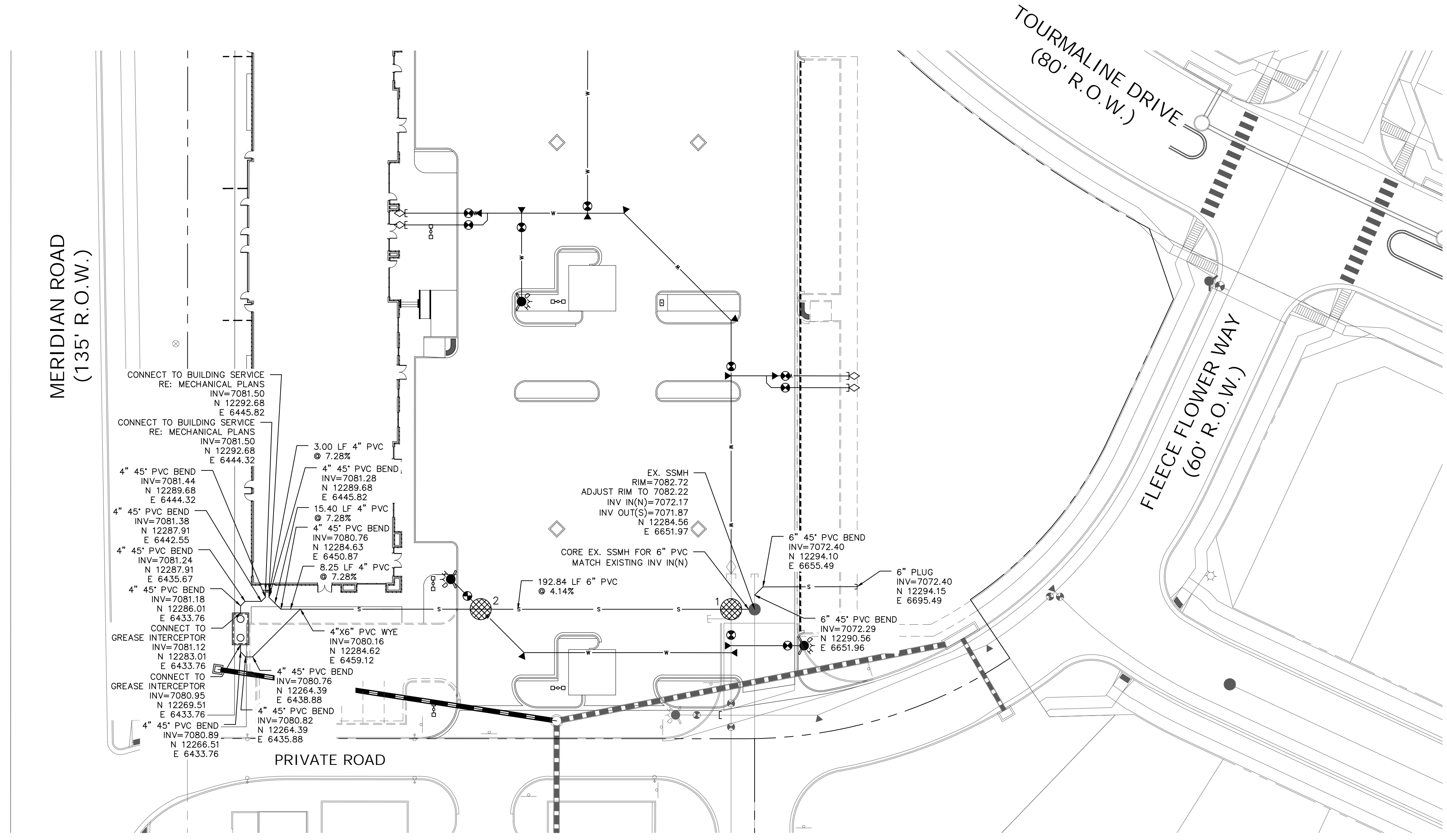
Provide a legend

- NOTES:**
1. ALL ELEVATIONS ARE FLOWLINE UNLESS NOTED OTHERWISE.
 2. ADD 7000 FT. TO ALL SPOT ELEVATIONS.
 3. ALL CONTOURS SHOWN ARE FINISHED SURFACE.
 4. 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



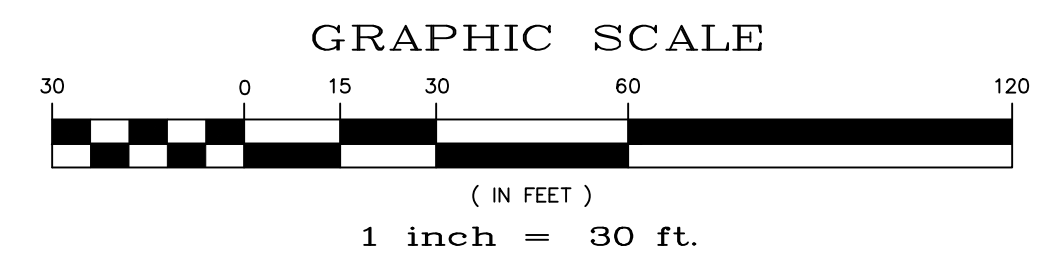
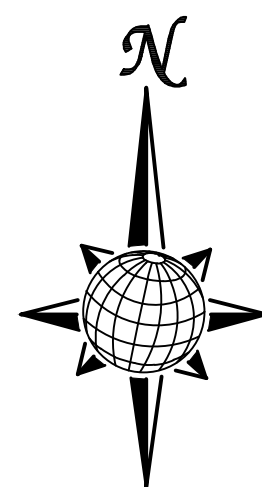
TWO WORKING DAYS
BEFORE YOU DIG
CALL 811
 OR
 UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 (SEE COVER FOR LIST OF UTILITY CONTACTS)

Drawn by		Checked by		Date
LOG		TKK		MAY 2018
Scale	AS SHOWN	SHEET		C-50
GRADING PLAN				
LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1				
SITE CONSTRUCTION DOCUMENTS				
MERIDIAN RANCH				
TECH CONTRACTORS				
11886 STAPLETON DRIVE				
FALCON, CO 80831				
TELEPHONE: 719.495.7444				
FAX: 719.495.2457				
No.	Revisions		Date	Appr.



- 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 = 7081.33 6" SAN TOP = 7077.50	3'-10"



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Scale AS SHOWN	Drawn by LOG	Checked by THK	Date MAY 2018	SHEET C6.0							
	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS				SANITARY SEWER PLAN						
MERIDIAN RANCH					TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457						
					Revisions <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>Date</th> <th>Appr.</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	Date	Appr.			
No.	Date	Appr.									

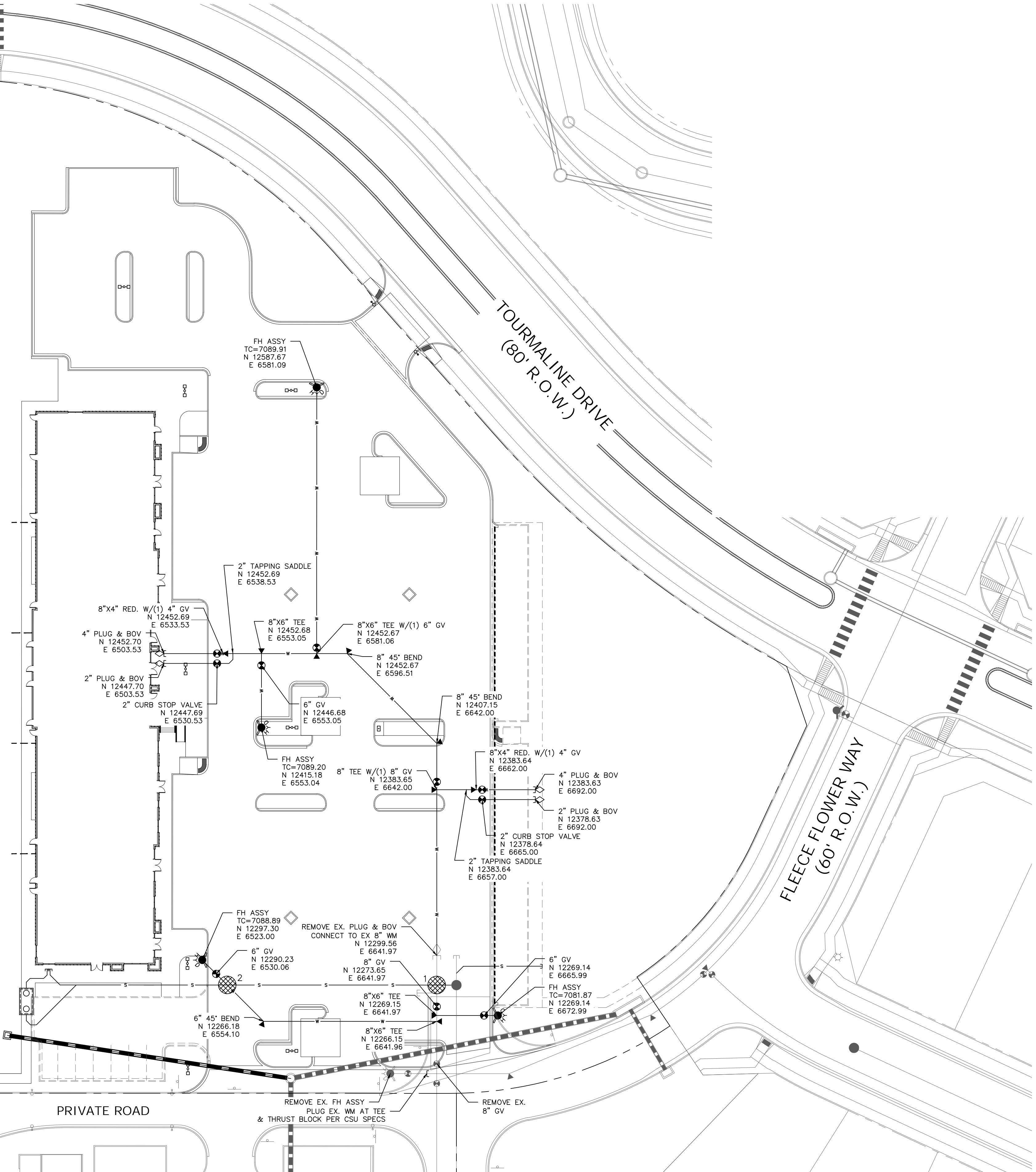
S:\Civil\Shops Phase 2\DWG\Plan Sheet\Improvement Plans\THE SHOPS LOT 4 CIVIL PLANS.dwg, 6/12/2018 3:38:31 PM

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

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

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

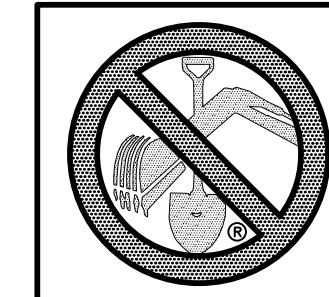
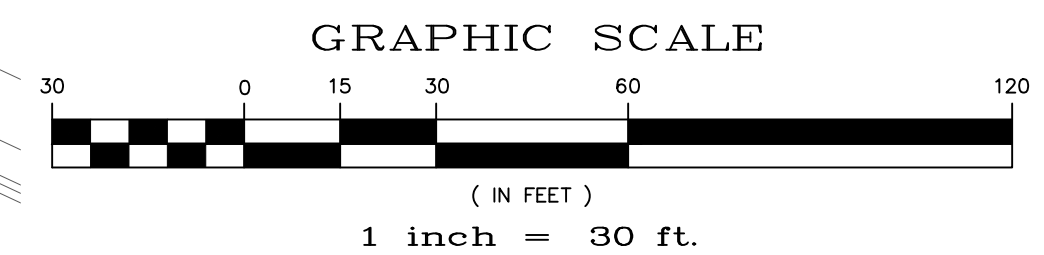
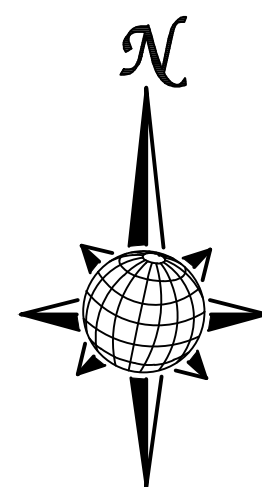
PRIVATE ROAD



NOTES:

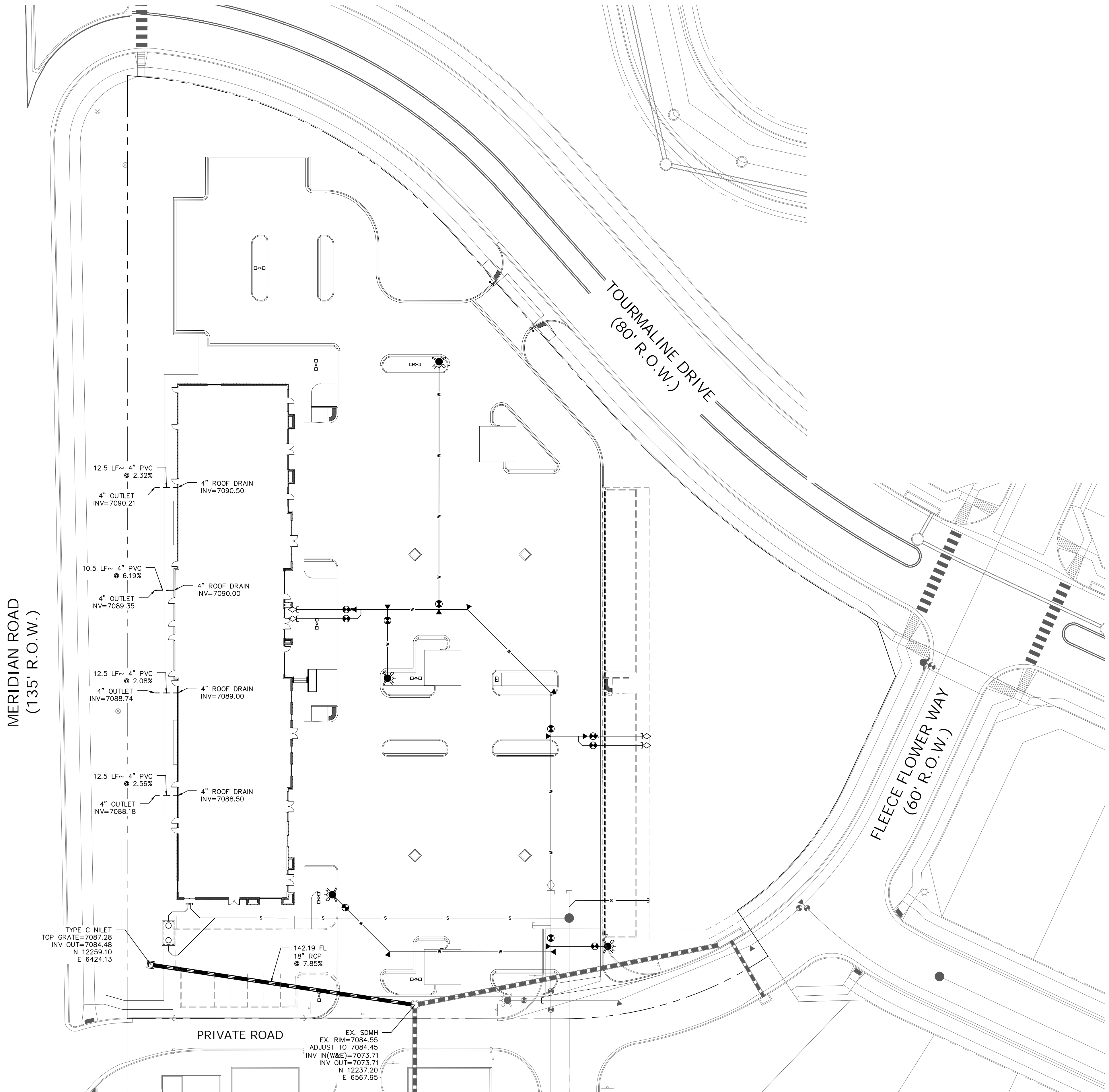
- 1. MAINTAIN MINIMUM 5'-6" BURY FROM FINISHED SURFACE.

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"
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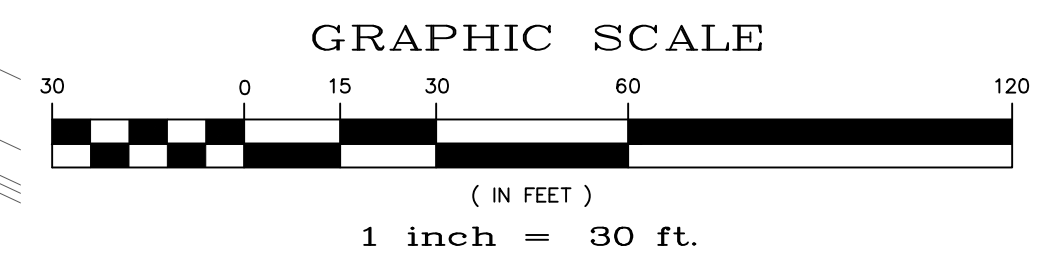
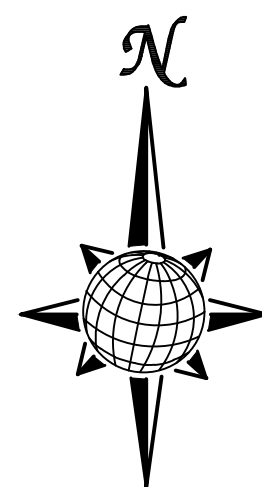


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1-800-922-1987
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Scale AS SHOWN SHEET C7.0	Drawn by LGC	Checked by TKK	Date MAY 2018	LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1 SITE CONSTRUCTION DOCUMENTS WATER PLAN	MERIDIAN RANCH	TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831 TELEPHONE: 719.495.7444 FAX: 719.495.2457	No.	Revisions	Date	Appr.



- 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 THK Date MAY 2018	<p style="font-size: small; margin: 0;">LOT 4, THE SHOPS AT MERIDIAN RANCH FILING NO. 1</p> <p style="font-size: small; margin: 0;">SITE CONSTRUCTION DOCUMENTS</p> <p style="font-weight: bold; margin: 0;">STORM SEWER PLAN</p>	<p style="font-size: small; margin: 0;">TECH CONTRACTORS 11886 STAPLETON DRIVE FALCON, CO 80831</p> <p style="font-size: x-small; margin: 0;">TELEPHONE: 719.495.7444 FAX: 719.495.2457</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; font-size: x-small;">Revisions</th> <th style="width: 50%; font-size: x-small;">No.</th> </tr> <tr> <td style="height: 40px;"> </td> <td> </td> </tr> <tr> <td style="font-size: x-small;">Date</td> <td style="font-size: x-small;">Appr.</td> </tr> </table>	Revisions	No.			Date	Appr.
Revisions	No.									
Date	Appr.									

Markup Summary

dsdgrimm (6)

15. SOILS THAT WILL BE STOCKPILED FOR MORE THAN FOURTEEN (14) DAYS SHALL BE SEEDED WITH A TEMPORARY OR PERMANENT GRASS COVER.
16. THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO ANY PROJECTS. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE TO THE GROUND IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DEPOSITED AT AN APPROPRIATE LOCATION.
17. CONTRACTOR TO FILE "NOTICE OF TERMINATION" WITH COUNTY ONCE PROJECT IS COMPLETED. ALL DISTURBED AREAS HAVE BEEN STABILIZED, AND TEMPORARY BASINS HAVE BEEN

Include the standard El Paso County GEC Plan notes

Subject: Engineer
Page Label: [1] C1.1 GENERAL NOTES
Author: dsdgrimm
Date: 8/2/2018 11:13:13 AM
Color: ■

Include the standard El Paso County GEC Plan notes

SHALL BE INSTALLED PER DCM V

Provide a legend

Subject: Engineer
Page Label: [1] C3.0 EROSION CONTROL
Author: dsdgrimm
Date: 8/2/2018 12:16:52 PM
Color: ■

Provide a legend



Add detail for the concrete washout

Subject: Engineer
Page Label: [1] C1.4 DETAIL SHEET
Author: dsdgrimm
Date: 8/2/2018 12:17:54 PM
Color: ■

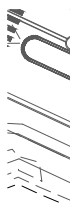
Add detail for the concrete washout

IER

Provide a legend

Subject: Engineer
Page Label: [1] C5.0 GRADING PLAN
Author: dsdgrimm
Date: 8/2/2018 12:21:24 PM
Color: ■

Provide a legend



Sedimentation basin required for disturbed areas draining more than one acre.

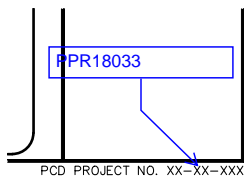
Update the FAE accordingly.

REVEGETATE ALL DISTURBED AREAS WITHIN 90 DAYS OF COMPLETION OF THE PROJECT. WHEN NECESSARY, REPAIRS SHALL BE MADE TO THE TRACK-O-LADDER AND TRACK-O-LADDER PADS. AN INSPECTOR SHALL VERIFY THAT ALL DISTURBED AREAS HAVE BEEN REVEGETATED AND STABILIZED.

Subject: Engineer
Page Label: [1] C3.0 EROSION CONTROL
Author: dsdgrimm
Date: 8/6/2018 3:00:52 PM
Color: ■

Sedimentation basin required for disturbed areas draining more than one acre.

Update the FAE accordingly.



Subject: Callout
Page Label: [1] C1.0 COVER SHEET
Author: dsdgrimm
Date: 8/6/2018 5:13:34 PM
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PPR18033