

SPECIAL PROJECT NOTE:

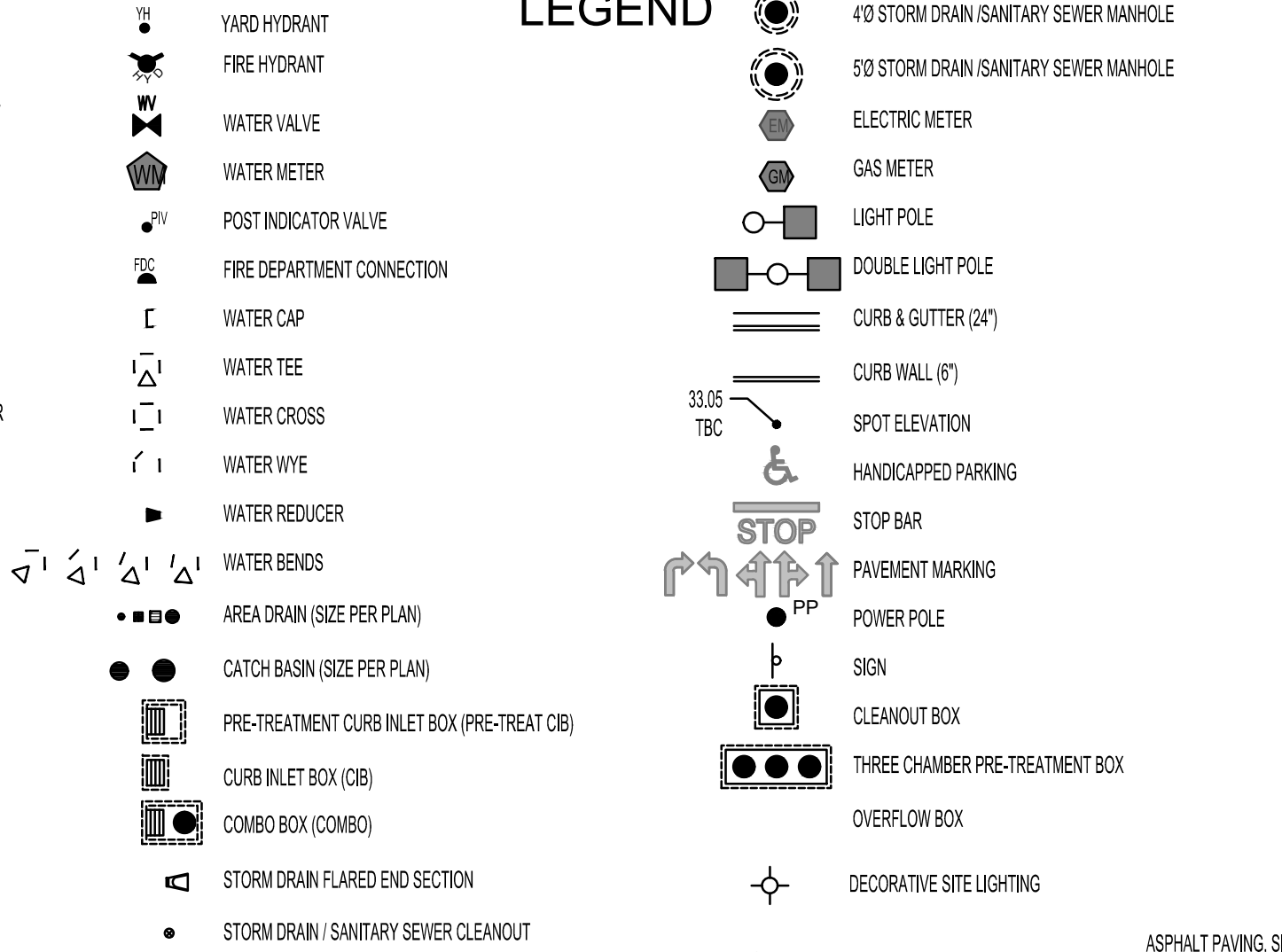
- ALL CONSTRUCTION ACTIVITY WITHIN STREET ROW AND FOR SITE WATER LINES AND SEWER LINES SHALL CONFORM TO TAYLORSVILLE CITY STANDARD PLANS AND "APWA MANUAL OF STANDARD PLANS" (LATEST EDITION) AND THE DEVELOPMENT GUIDELINES AND SPECIFICATIONS. CONTRACTOR SHALL OBTAIN COPIES OF SAID CITY STANDARDS AND APWA STANDARDS PRIOR TO CONSTRUCTION.

GENERAL

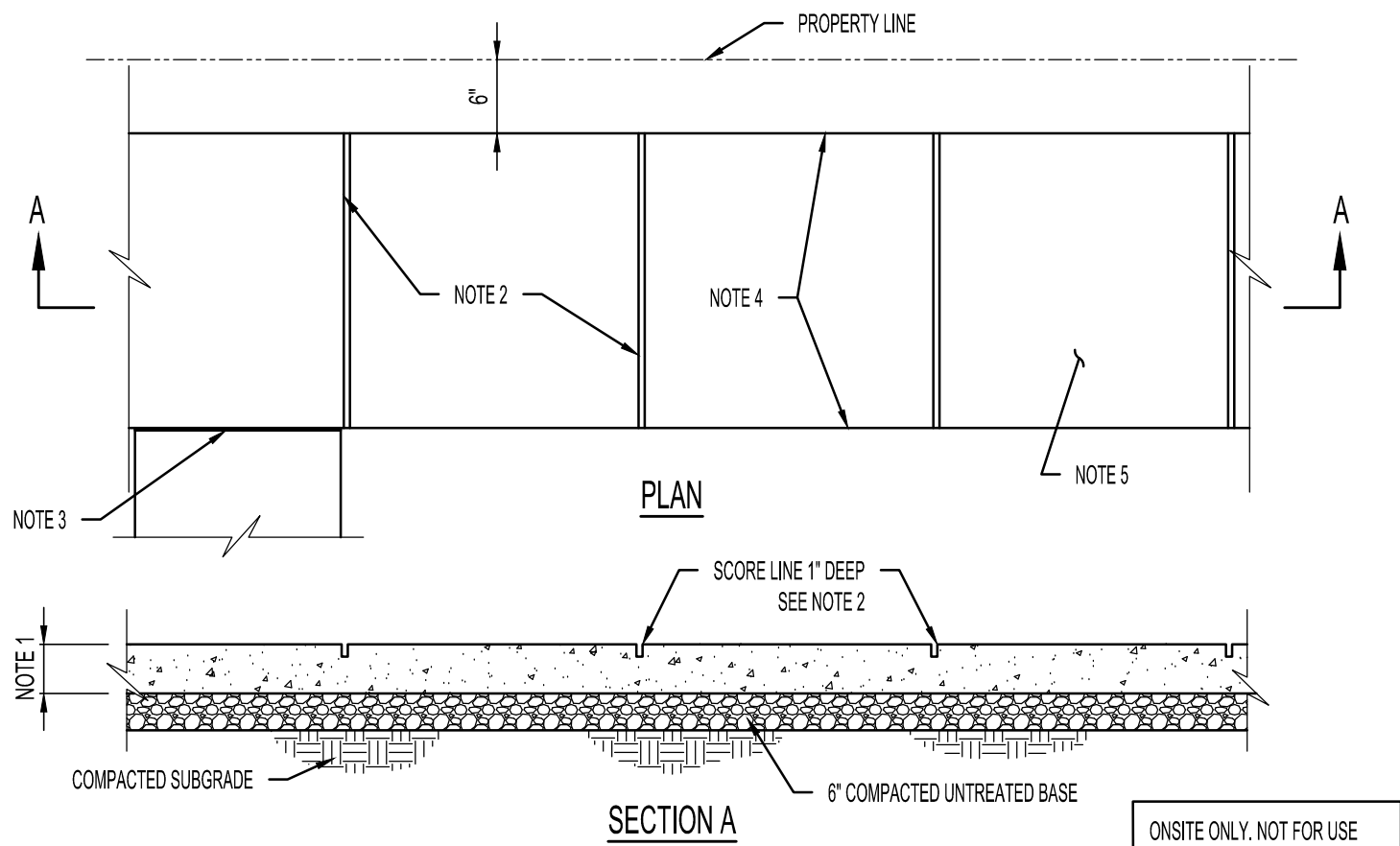
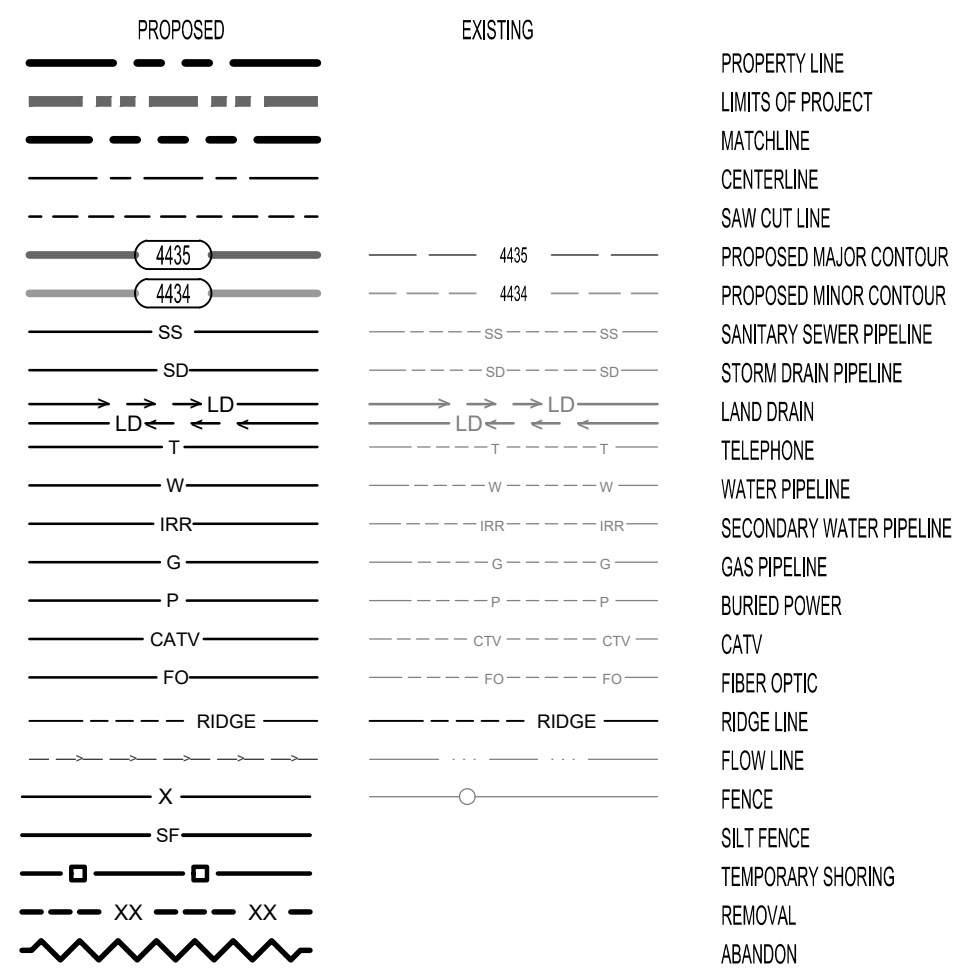
- ANY MODIFICATION TO THIS CONSTRUCTION PACKAGE SHALL BE APPROVED BY THE OWNER, PRIOR TO SAID APPROVAL. ALL IMPROVEMENT DRAWINGS SHALL BE RESUBMITTED AND APPROVED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL LOCATE, RETAIN AND PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXISTING GAS, TELEPHONE, POWER, OR WATERLINES WHICH MUST BE RELOCATED OR LOWERED FOR NEW GRAVITY LINES WILL BE COMPLETED BY THE CONTRACTOR TO THE UTILITY COMPANY SPECIFICATIONS.
- ALL SUITABLE EXCAVATION MATERIAL MAY BE STOCKPILED ON LANDSCAPE AREAS (NOT OVER 3' DEEP) AND GRADED TO DRAIN. EXCESS TOPSOIL SHALL BE REMOVED AND STORED AS INDICATED ON THE LANDSCAPE PLANS. SUITABLE MATERIAL IS DEFINED IN THE PROJECT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT AS WELL AS CITY EARTHWORK SPECIFICATIONS. ALL EARTHWORK SHALL BE COMPLIANT WITH THESE DOCUMENTS. IF CITY SPECIFICATIONS AND THE GEOTECHNICAL REPORT ARE IN CONFLICT REFER TO THE CITY ENGINEER FOR DIRECTION ON WHICH REQUIREMENTS MUST BE FOLLOWED IN THE FIELD.
- TRACER TAPE SHALL BE PLACED ABOVE ALL SENIOR PVC ROOF DRAIN LINES, WATER AND SECONDARY WATER LINES PER CITY AND DISTRICT STANDARD SPECIFICATIONS. TRACER WIRE SHALL BE INSTALLED OVER THE WATER LINES.
- ALL EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY, AS INDICATED ON THE C200 SHEET. CONTRACTOR SHALL NOTIFY BLUE STAKES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL UTILITY CONFLICTS UPON DISCOVERY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BACKFILLING, COMPACTING, AND PAVEMENT RESTORATION WHERE NECESSARY TO INSTALL NEW UTILITIES OR NEW IMPROVEMENTS PER CITY STANDARDS IN EXISTING ROADWAYS.
- CONTRACTOR SHALL PROVIDE CITY INSPECTOR WITH CONSTRUCTION SCHEDULE AFTER SAID SCHEDULE HAS BEEN APPROVED BY OWNER.
- CONTRACTOR SHALL COORDINATE DEMOLITION AND INSTALLATION OF ELECTRICAL, AND COMMUNICATION SERVICES WITH THE UTILITY COMPANY. OWNER SHALL PAY ALL ASSOCIATED UTILITY COMPANY FEES. CONTRACTOR TO PROVIDE ELECTRICAL LINE OR COMMUNICATION TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH POWER AND COMMUNICATION COMPANY. ALL DEMOLITION OF EXISTING AND PROPOSED NEW SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
- CONTRACTOR TO KEEP A SET OF NEAT PLANS ON WHICH ALL CHANGES HAVE BEEN CLEARLY SHOWN. THIS SET OF REDLINES SHALL BE TURNED IN TO THE ARCHITECT.
- CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO ANY WORK.
- ALL UTILITY STRUCTURES WITHIN PAVEMENT SHALL BE RAISED TO ACCURATE FINISHED GRADE WITH A CONCRETE COLLAR. SEE DETAIL ON THIS SHEET.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS, BONDS, AND APPROVALS HAVE BEEN OBTAINED. ALL PERMIT AND BOND FEES ARE TO BE PAID BY THE OWNER.
- NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED, AND THOROUGHLY REVIEWED, ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE CURRENT REQUIREMENTS AND DEVELOPMENT STANDARDS OF THE CITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND SHALL TAKE PRECEDENCE IN CASE OF CONFLICT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND PLANS ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL, CLEANING STREET AND OTHER SWPP REGULATIONS.
- ALL EXISTING ASPHALT TO REMAIN SHALL BE SAW CUT IN NEAT, STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
- NO CHANGE IN DESIGN LOCATIONS OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
- CONTRACTOR SHALL NOT ALLOW ANY GROUND WATER, SURFACE WATER, ANIMALS, OR DEBRIS TO ENTER NEW PIPING DURING CONSTRUCTION.
- CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT ALL NEW FACILITIES DURING THE CONSTRUCTION PERIOD UNTIL THE DESIGN GRADE AND COVER HAVE BEEN REACHED AND WORK HAS BEEN ACCEPTED BY OWNER.
- CONTRACTOR IS TO REMAIN WITHIN THE CONTRACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF, OR DAMAGE TO, EXISTING AND NEW UTILITIES AND FACILITIES, INCLUDING WORK DONE WITHIN THE WARRANTY PERIOD.
- ALL ONSITE PAVEMENT SECTIONS, GRADING, EXCAVATION, BACKFILLING, AND OTHER EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS PREPARED FOR THIS PROJECT. STRUCTURAL FILL, BEDDING, IMPORTED BACKFILL, GRANULAR SUBBASE, BASE COURSE AND ASPHALT CONCRETE MATERIALS SHALL MEET THE REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS. ALL EARTHWORK AND PAVING IN CITY R.O.W. SHALL MEET CITY SPECS.
- COORDINATE GAS INSTALLATION WITH THE GAS COMPANY. GAS COMPANY WILL ROUTE GAS TO THE METER LOCATION SHOWN ON THE PLANS. ACCOMMODATE GAS COMPANY CONTRACTOR ON SITE DURING GAS LINE INSTALLATION.
- SEE SHEET C200 FOR SURVEY CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING THAT MAY BE NEEDED TO COMPLETE THE JOB.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND TRAFFIC PERMITS AND TRAFFIC CONTROL PLANS FOR ALL WORK IN CITY R.O.W. (EXISTING AND NEW ROADWAYS) PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION AND INSTALLATION OF ELECTRICAL, TELEPHONE, NATURAL GAS, AND SERVICES WITH THE UTILITY COMPANY. ASSOCIATED UTILITY COMPANY FEES WILL BE PAID AS OUTLINED IN CONTRACT GENERAL CONDITIONS. CONTRACTOR TO PROVIDE ELECTRICAL AND TELEPHONE LINE TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH ROCKY MOUNTAIN POWER AND CENTURY LINK. COORDINATE AND SCHEDULE WITH DOMINION ENERGY, CENTURY LINK, AND ROCKY MOUNTAIN POWER FOR CONNECTION OF THESE UTILITIES TO THE NEW BUILDING. GAS, TELEPHONE AND POWER ALL MUST BE EXTENDED TO THE SITE FROM THE NEW DEVELOPMENT IN THE AREA. COORDINATE WITH THESE UTILITIES FOR LOCATION OF THESE NEW EXTENSIONS.
- THE USE OF MOTOR OILS AND OTHER PETROLEUM-BASED OR TOXIC LIQUIDS, FOR DUST SUPPRESSION, IS ABSOLUTELY PROHIBITED.
- NO DRIVEWAY SHALL BE CONSTRUCTED TO CONVEY STORM RUNOFF TOWARDS ANY BUILDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS.
- CONTACT FOR UTILITY COORDINATION INCLUDE:
 - SEWER-TAYLORSVILLE-BENNING IMPROVEMENT DISTRICT 801-468-9081
 - WATER-TAYLORSVILLE-BENNING IMPROVEMENT DISTRICT 801-468-9081
 - STORM-CITY ENGINEER BEN WHITE 801-293-4344
 - GAS-DOMINION ENERGY 800-323-5517
 - POWER-ROCKY MOUNTAIN POWER 1-888-225-2611
- THERE IS NO LANDSCAPE DEMOLITION PLAN OR REPAIR PLAN IN THIS PACKAGE. CONTRACTOR IS EXPECTED TO REMOVE AND REPLACE EXISTING LANDSCAPE AND SPRINKLER SYSTEM WITHIN THE PROJECT LIMIT LINE OF THE AFFECTED AREAS. COORDINATE WITH OWNER, A MINIMUM OF 4" TOPSOIL IS REQUIRED UNDER ALL NEW SOD. THE NEW SPRINKLER SYSTEM FOR THE AFFECTED AREAS TO MATCH THE EXISTING SYSTEM (SPRINKLER HEADS, VALVING, AND PIPE SIZE).
- CONTRACTOR TO COORDINATE INSTALLATION OF ALL LANDSCAPE SLEEVES PRIOR TO FORMING CONCRETE SIDEWALKS, RETAINING WALLS, SEAT WALLS OR STAIR WALLS. SEE LANDSCAPE PLANS.

GENERAL NOTES

SYMBOL
LEGEND



LINE LEGEND

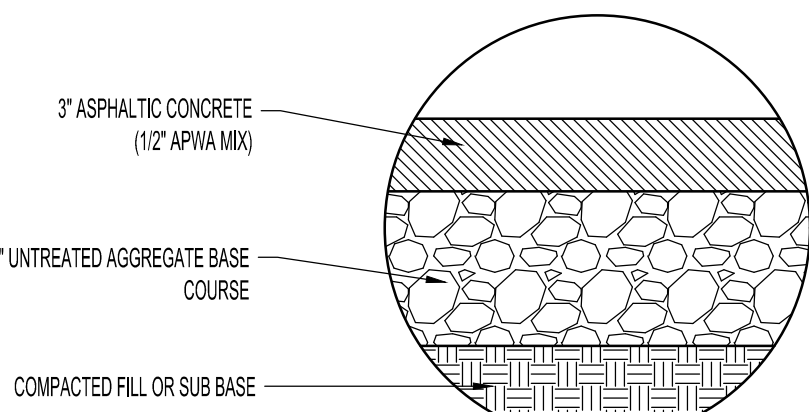


- NOTES:
- USE MONOLITHIC CONSTRUCTION 4" THICK EXCEPT AT DRIVEWAYS WHERE THICKNESS OF 6" IS REQUIRED.
 - SAW CUT AND CHAMFER SCORE LINES AT INTERVALS EQUAL TO 1 TIMES THE WIDTH OF THE SIDEWALK UNIFORMLY PLACED ALONG LENGTH OF SIDEWALK AFTER POUR. SAW CUTTING SHOULD BE DONE 4 TO 12 HOURS AFTER THE CONCRETE HAS BEEN FINISHED. IN HOT WEATHER EARLY ENTRY DRY CUT JOINTS SHOULD BE CUT 1 TO 4 HOURS AFTER FINISHING.
 - SIDEWALK EXPANSION JOINTS SHALL BE 20' ON CENTER MAXIMUM. THE EXPANSION JOINT SHALL INCLUDE ASPHALT IMPREGNATED FIBER EXPANSION MATERIAL. THE CONTRACTOR WILL USE BOND BREAKER TAPE WITH POLYURETHANE JOINT SEALANT TO A DEPTH OF 3/8".
 - EDGE SIDEWALK WITH 1/2" RADIUS EDGING TOOL. ROUND EDGES AT EXPANSION JOINTS TO A RADIUS OF 1/2".
 - USE HAIR-BROOM BRUSH TO FINISH SIDEWALKS.
 - OVER NEWLY BACKFILLED TRENCHES, PLACEMENT OF 2-10' #4 BARS IN SIDEWALK IS REQUIRED.
 - REMOVE NON-ENGINEER FILL BELOW SIDEWALK AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE WITH STRUCTURAL FILL.
 - ALL CONCRETE SIDEWALK SLABS SHALL BE DOWELED TO ADJACENT SLABS WITH REBAR DOWELS AT EXPANSION JOINTS OR ANY BREAK IN THE POUR. DOWELS ARE TO BE EVENLY SPACED WITH MAXIMUM DISTANCE BETWEEN DOWELS NOT TO EXCEED 24". REBAR DOWELS MUST BE #4 OR LARGER AND AT LEAST 24" LONG. DOWELS MUST BE EMBEDDED AT LEAST 3" DEEP AND NO CLOSER THAN 6" FROM THE EDGE OF THE SLAB.

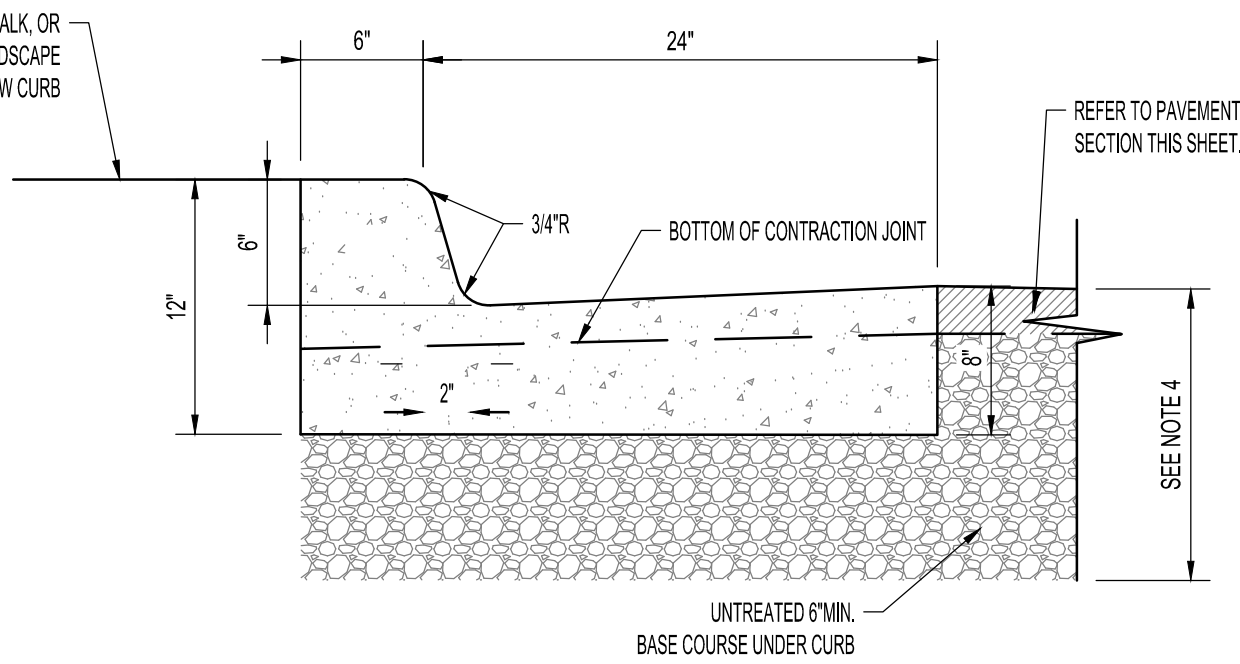
CONCRETE SIDEWALK

N.T.S.

E



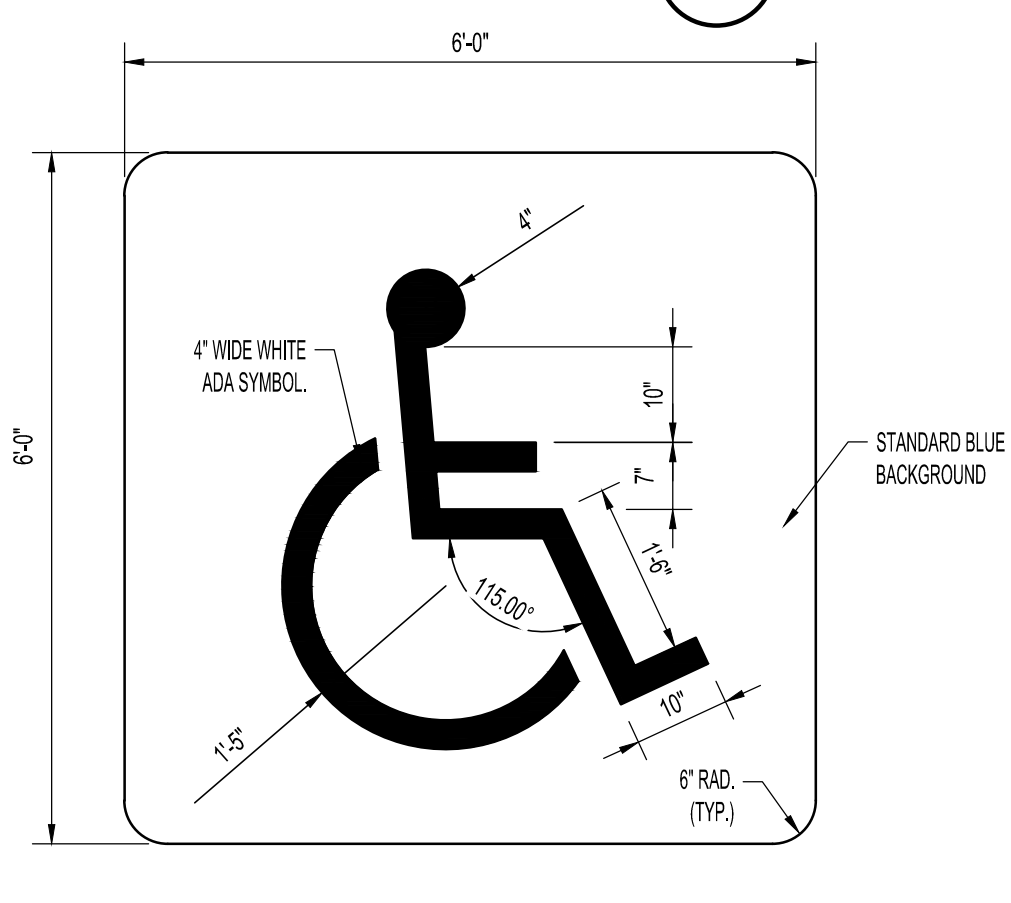
- NOTES:
- USE FOR PARKING AREAS OR OTHER LIGHT VEHICLE TRAFFIC.
 - PROOF ROLL NATURAL SUBGRADE PER SPECS.
 - PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
 - ASPHALT MIX TO COMPLY WITH APWA SPECIFICATIONS.
 - STREET REPAIR IN CITY RIGHT OF WAY TO MEET CITY STANDARD.
 - IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.



- NOTES:
- CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINMENT).
 - PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
 - PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
 - MATCH EXISTING STREET STRUCTURAL SECTION. SEE PAVEMENT SECTIONS THIS SHEET.

CURB & GUTTER

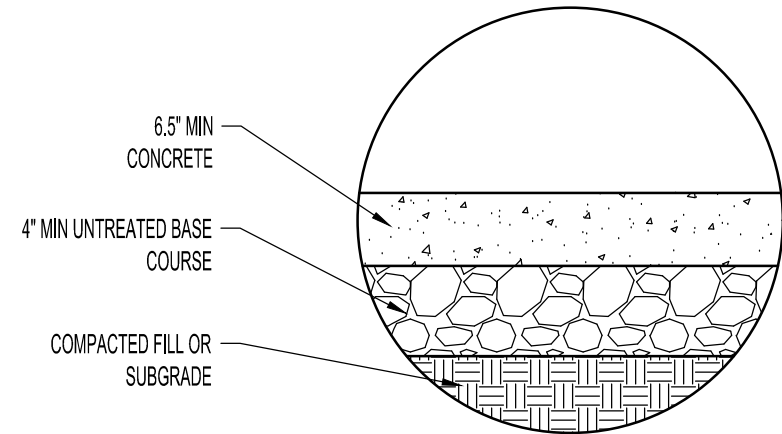
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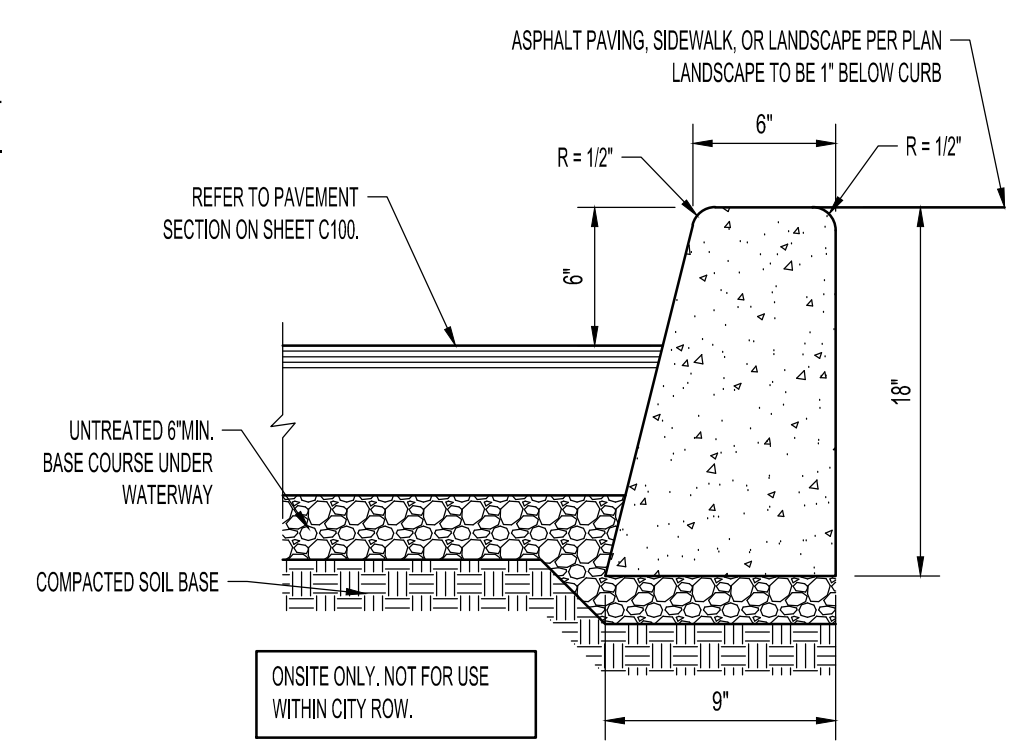
PAINTED ADA SYMBOL

N.T.S.

F



- NOTES:
- USE FOR DUMPSTER PADS AND OTHER CONCRETE PAVING WITH VEHICLE TRAFFIC. AS INDICATED BY HATCH ON CIVIL SITE LAYOUT PLAN. REINFORCING FOR DUMPSTER PADS REFER TO ARCHITECTURAL SPECS.
 - PROOF ROLL NATURAL SUBGRADE PER SPECS.
 - PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
 - SEALED CONTRACTION JOINTS TO BE 1/2" DEEP. JOINT PATTERN AS OUTLINED ON ARCHITECTURAL SITE PLANS. 15' MAXIMUM SPACING.
 - SEAL ALL EXPANSION JOINTS PER SPECS.
 - IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

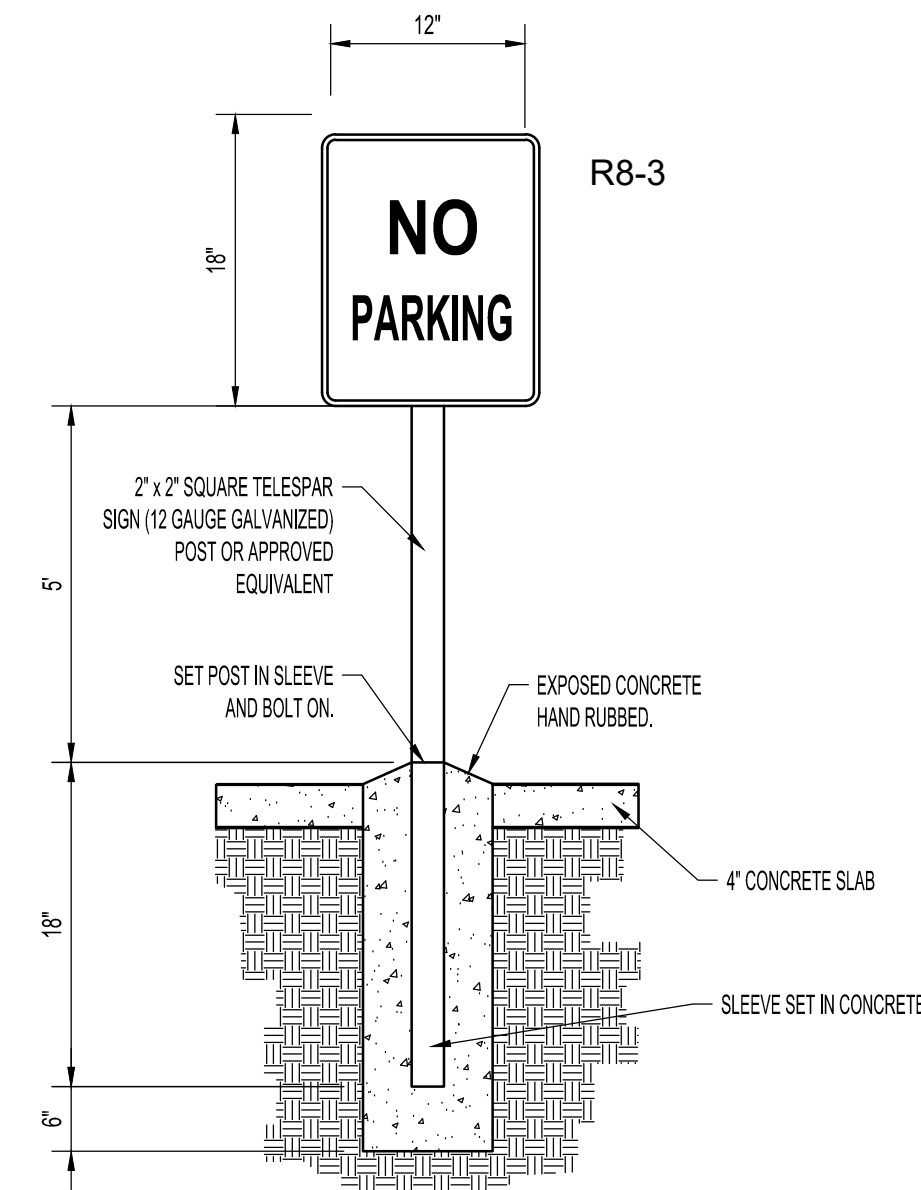


- NOTES:
- CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINMENT).
 - PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
 - PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
 - REMOVE NON-ENGINEERED FILL BELOW CURB AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 91000 FOR SUBGRADES PREPARATION OVER EXCAVATION REQUIREMENTS.
 - WHEN PAVEMENT IS PLACED ON 3 FEET OR MORE OF SITE FILL, THE GENERAL SITE FILL SHOULD MEET THE REQUIREMENTS OUTLINED IN THE EARTH MOVING SPEC. THE TOP 24" OF FILL MUST BE STRUCTURAL FILL WITH MIRAFI RS280 OR APPROVED EQUIVALENT FOR STABILIZATION FABRIC OVER THE STRUCTURAL FILL TO GET TO SUBGRADE. FABRIC SHOULD BE PLACED OVER RELATIVELY LEVEL SURFACES. ABRUPT ELEVATION CHANGES SHOULD BE SMOOTHED.

6" CURB

N.T.S. DETAIL

D

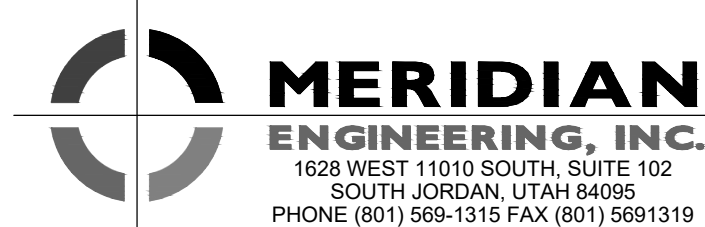


- NOTES:
- ALL SIGNS TO CONFORM TO MUTCD 2009 STANDARDS.

SIGN DETAIL 1

N.T.S.

G



PROJECT NUMBER
23-350

ISSUE DATE

06 SEPT 2024

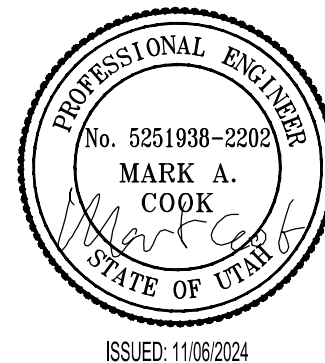
REVISION	DATE	DESCRIPTION

ARCHIPLEX GROUP
ARCHITECTURAL SERVICES

420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



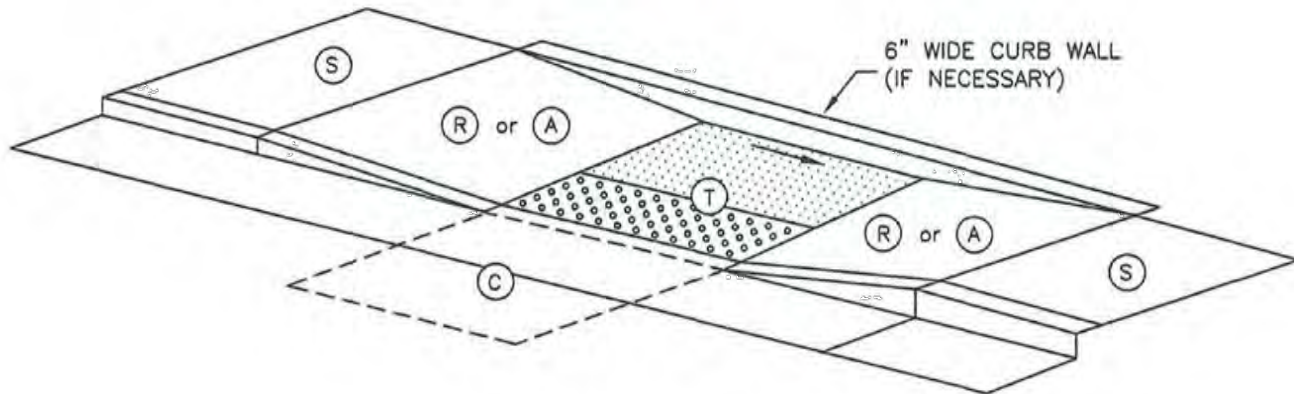
GENERAL NOTES
AND DETAILS

C100

- Mid-block curb cut assembly**
- GENERAL**
 - Where existing elements or spaces are altered to receive an assembly; slopes and dimensions shall comply with slopes and dimensions shown on the drawing, or to the maximum extent feasible permitted by the ENGINEER. Final configuration of the assembly may be different than shown.
 - Installation of a curb wall is ENGINEER's choice.
 - Definitions and supplemental requirements are specified in APWA Section 32 16 14.
 - PRODUCTS**
 - Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.
 - Detectable Warning Surface: Paver, ribbed composite panel, or tile. Provide a color that contrasts with adjacent walking surface, either light-on-dark or dark-on-light. ENGINEER to select type and color unless indicated elsewhere.
 - Concrete: Class 4000, APWA Section 03 30 04.
 - Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.
 - EXECUTION**
 - Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
 - Curb Modifications:
 - The sloped surface created to accommodate the ramp or approach areas shall be perpendicular to the back of curb.
 - No grade break shall exist between the flow-line and the turning space. Length of the curb modification abutting the turning space is 4 feet minimum.
 - Curb Ramp: Length not required to exceed 15 feet. Grade breaks are perpendicular to the direction of ramp run and are not permitted on the ramp or turning space surface. Sides are parallel to each other and perpendicular to the ends.
 - Curb Wall: Set top of curb wall equal to elevation of extended lateral lines of sidewalk.
 - Concrete Placement: APWA Section 03 30 10.
 - Maximum length to width ratio for rectangular panel joints is 1.5 to 1. Joint spacing measured in feet not to exceed twice slab thickness measured in inches or a maximum of 15 feet.
 - Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install contraction joints vertical, 1/8-inch wide, and 1/4 of the depth of the concrete flatwork.
 - Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
 - Clear Space: No trip hazards in the clear space.

236.3

TURNING SPACE AT STREET LEVEL



EXAMPLE 5

ELEMENT	DIMENSION
(R) (A)	4 FEET WIDE MINIMUM
(C) (T)	4 FEET SQUARE MINIMUM

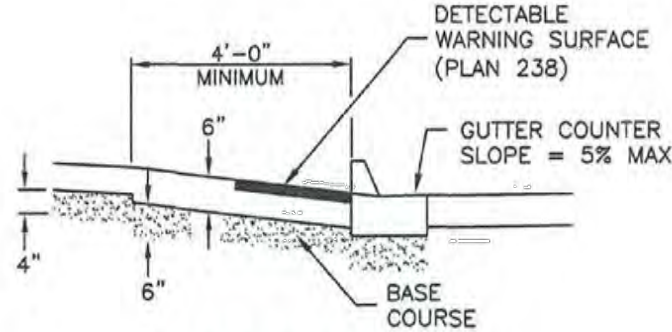
WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS

		RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	STREET GRADE	2	2
CURB RAMP (R)	8.33	2	2
CLEAR SPACE (C)	5	STREET GRADE	2
SIDEWALK (S)	STREET GRADE	2	2
APPROACH (A)	8.33	2	2

- (a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL

SLOPE TABLE



MATERIALS



Mid-block curb cut assembly

Plan
236.3
September 2011

3/4" AND 1" WATER LATERAL CONNECTION NOTES:

- TBID WILL PERFORM ALL SERVICE CONNECTION TAPS. CONTACT DISTRICT INSPECTOR TO SCHEDULE TAPS.
- TBID WILL FURNISH & INSTALL 3/4" - 2" WATER METERS AS PART OF THE CONNECTION FEE.
- DEVELOPER IS RESPONSIBLE FOR COMPACTION IN THE WATER LATERAL TRENCH.
- METER BOX SHALL BE INSTALLED IN THE PARK STRIP WHERE POSSIBLE. SET METER BOX SUCH THAT THE TOP OF THE LID IS EQUAL TO THE SIDEWALK ELEVATION. CONCRETE COLLARS ARE REQUIRED IF METER IS PLACED IN ASPHALT PAVEMENT.
- WATER METER IS PRIVATE BEHIND THE METER .
- METERS IN DRIVEWAYS/ASPHALT MAY REQUIRE SPECIAL TRAFFIC RATED DESIGN

EXAMPLE PARTS LIST:

3/4" CONNECTIONS

- 3/4" CORP STOP- 3/4" CC X CTS COMP BALL CORP (FERGUSON, PART# FFB10003QNL)
- 3/4" SETTER - 18" SETTER WITH BALL VALVE AND CHECK VALVE (FERGUSON, PART# FVBHC7218W1133NL)
- RING - 18" METER LID RING (FERGUSON, PART# DL224002I)
- LID - WATER COVER 2" RECESSED HOLE (FERGUSON, PART# DL224002I)
- BOX - 18" N12 SLD HDPE PIPE (FERGUSON, PART# A18050020)

1" CONNECTIONS

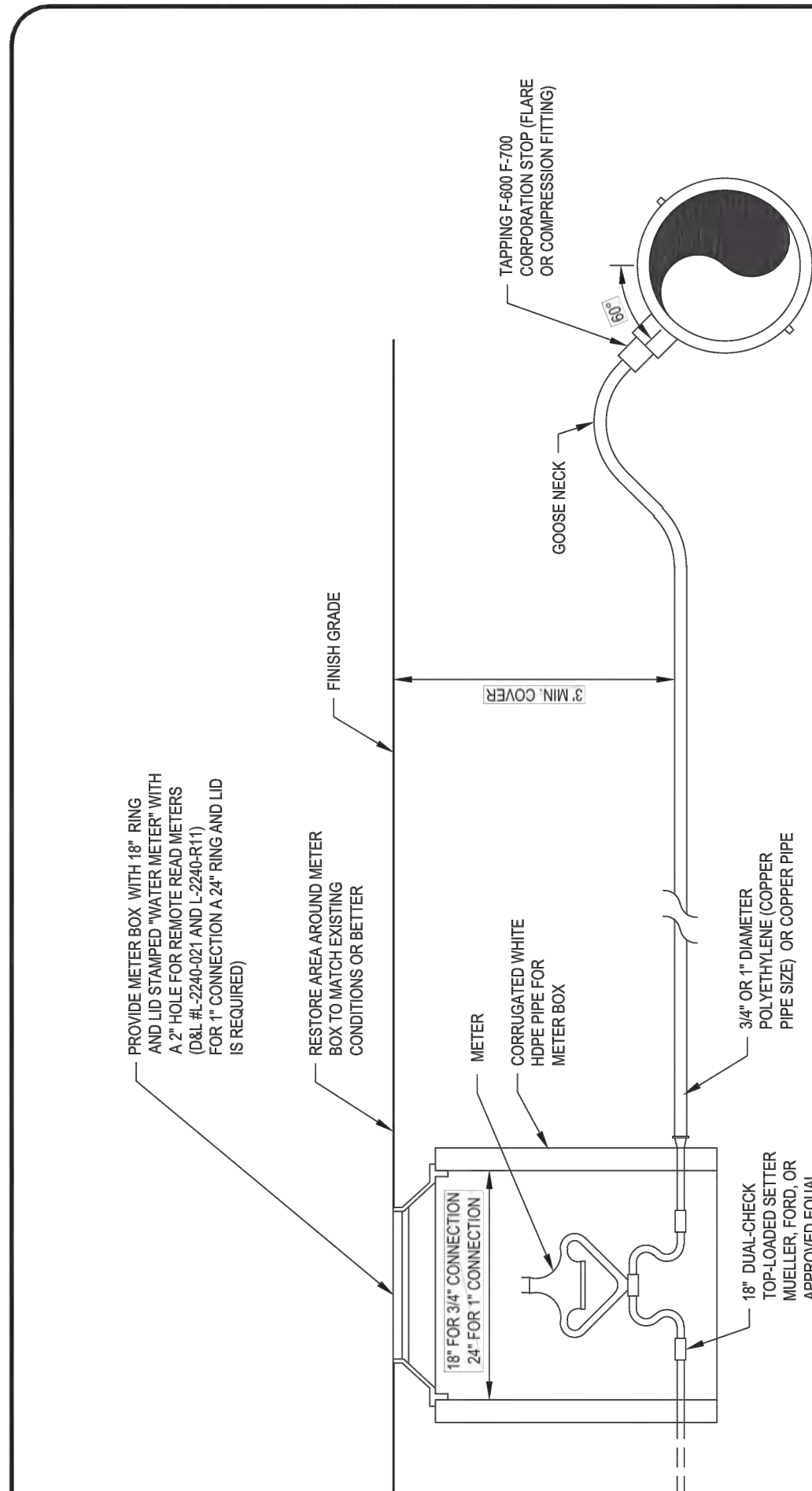
- 1" CORP - 1" CC X CTS COMP BALL CORP (FERGUSON, PART# MB25008NG)
- 1" SETTER - 18" SETTER WITH BALL VALVE AND CHECK VALVE (HYDRO SPECIALTIES, PART# 720-418WDD44)
- RING - 24" METER LID RING (FERGUSON, PART# DB5024R1I)
- LID - WATER COVER 2" RECESSED HOLE (FERGUSON, PART# DB5024UNVI)
- BOX - 24" N12 SLD HDPE PIPE (FERGUSON, PART# A2405ABH)

UPDATED DEC 2022



3/4" AND 1" WATER LATERAL CONNECTION
NOTES

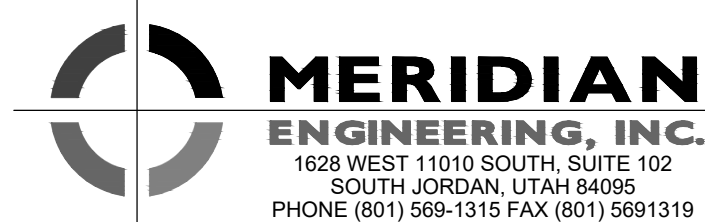
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3/4" AND 1" WATER LATERAL CONNECTION
NOT TO SCALE

UPDATED DEC 2022



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23-350

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06 SEPT 2024

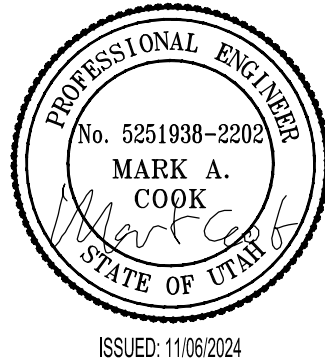
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420 WEST 1500 SOUTH SUITE 203
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CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT

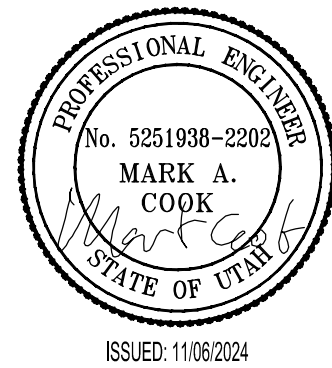


GENERAL
DETAILS

C101

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



GENERAL
DETAILS

C102

FIRE HYDRANT CONNECTION NOTES:

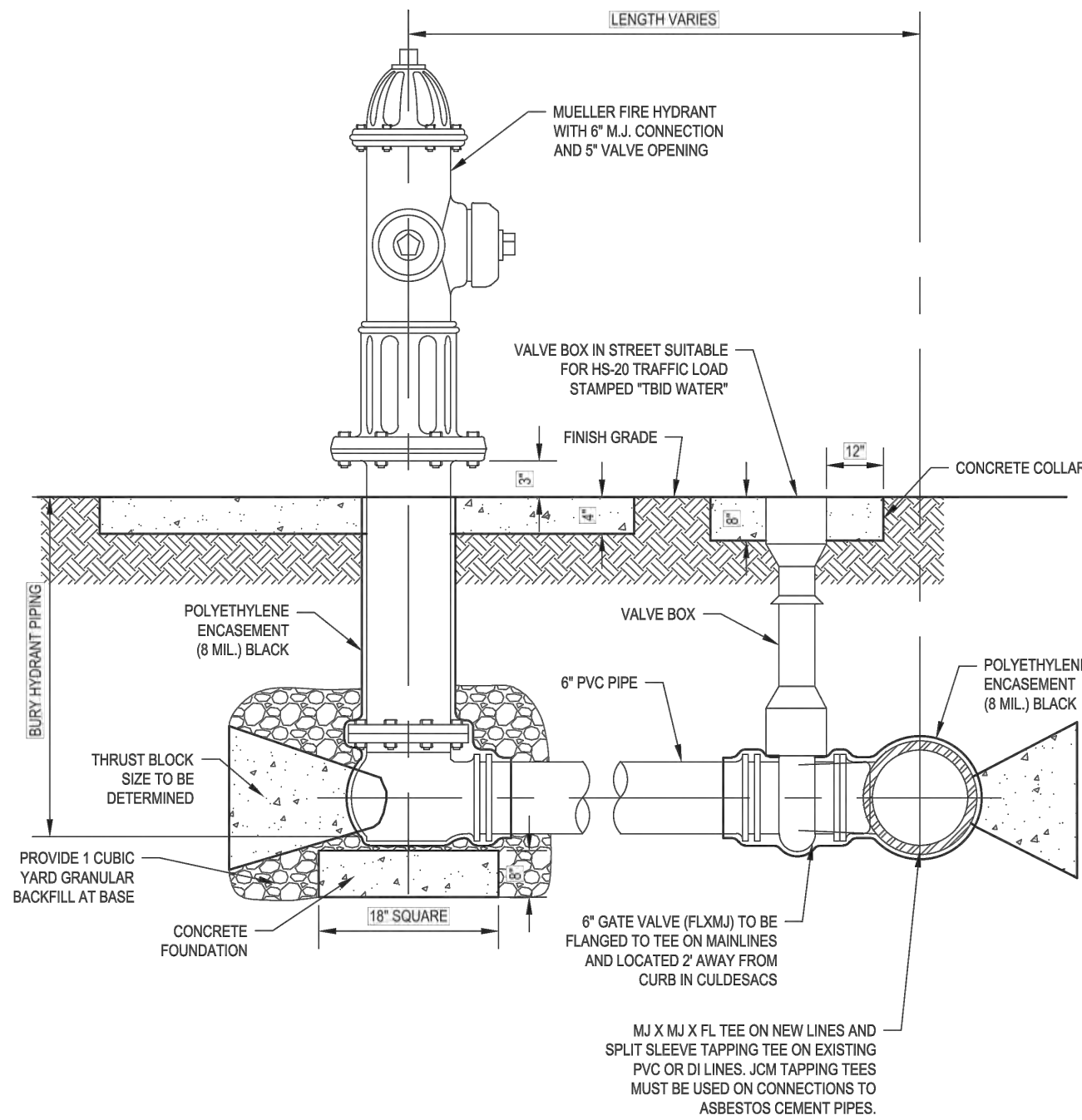
1. CONCRETE SHALL BE INSTALLED AS FOLLOWS: IN PARKSTRIP A SQUARE WITH SIDE DIMENSIONS EQUAL THE WIDTH OF THE PARKSTRIP. OUTSIDE PARKSTRIP - 5' SQUARE.
2. LEVEL & ADJUST LID & FRAME TO FINISH SURFACE (1/4" MAX BELOW SURFACE).
3. FM GREASE REQUIRED ON BOLTS. WRAP FITTINGS WITH 8 MIL POLYETHYLENE WRAP AND TAPE.
4. BOLLARDS ARE REQUIRED AROUND HYDRANTS WHERE NEEDED FOR PROTECTION AS DETERMINED BY TBID.

UPDATED DEC 2022



FIRE HYDRANT CONNECTION
NOTES

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PAGE 1 OF 2



UPDATED DEC 2022



FIRE HYDRANT CONNECTION
NOT TO SCALE

TB-209
PAGE 2 OF 2

TYPICAL SEWER TRENCH NOTES:

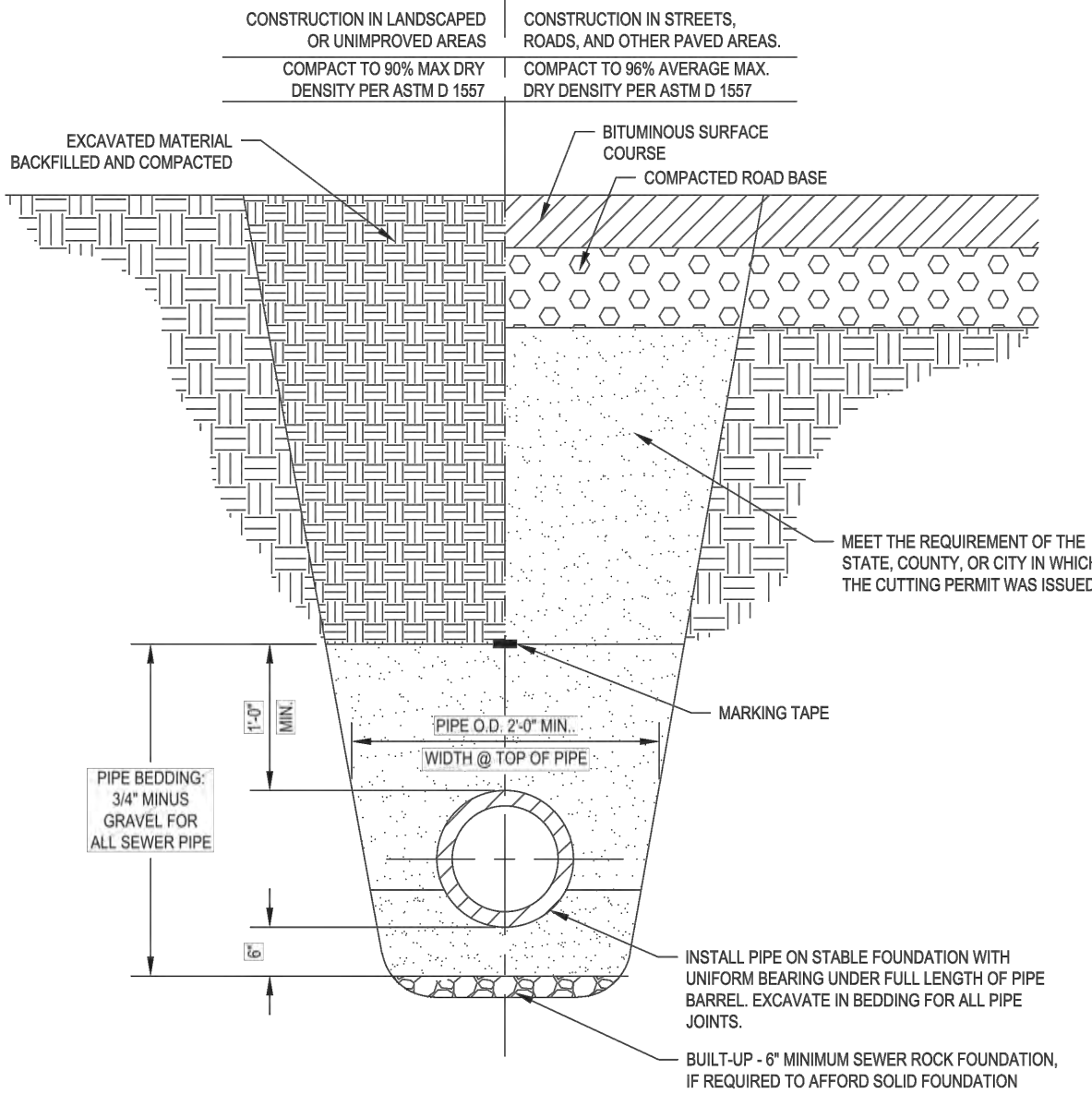
1. BLUE STAKES SHALL BE CONTACTED 48 HOURS BEFORE ANY EXCAVATION IS COMMENCED.
2. BACKFILL, ROAD BASE, AND PAVEMENT CONSTRUCTION SHALL CONFORM TO REQUIREMENTS, STANDARDS, AND REGULATIONS OF THE ROADWAY JURISDICTION.
3. TBID RECOMMENDS THE CONTRACTOR MEET ALL TRENCH SAFETY REQUIREMENTS ESTABLISHED BY OSHA & UOSHA.
4. THE DISTRICT INSPECTOR MAY REQUIRE UNSUITABLE MATERIALS BENEATH THE PIPE ZONE TO BE OVER-EXCAVATED, BACKFILLED, AND COMPACTED TO 95% MAX DENSITY.
5. EXCAVATE AT PIPE BELLS TO ENSURE PIPE IS SUPPORTED PROPERLY ALONG ITS ENTIRE LENGTH
6. PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
7. SEWER LINES SHALL BE PVC SDR35 PIPE. MINIMUM SEWER MAIN SIZE SHALL BE 8".
8. PIPE LAYING OPERATIONS SHALL PROCEED IN AN UPHILL DIRECTION WITH ALL BELLS FACING UPHILL.
9. PIPE PLUGS SHALL BE INSTALLED DURING CONSTRUCTION AT THE END OF EACH LENGTH OF PIPE TO PREVENT DEBRIS FROM ENTERING PIPE.

UPDATED DEC 2022



TYPICAL SEWER TRENCH
NOTES

TB-101
PAGE 1 OF 2



UPDATED DEC 2022



TYPICAL SEWER TRENCH
NOT TO SCALE

TB-101
PAGE 2 OF 2

TYPICAL SEWER LATERAL NOTES:

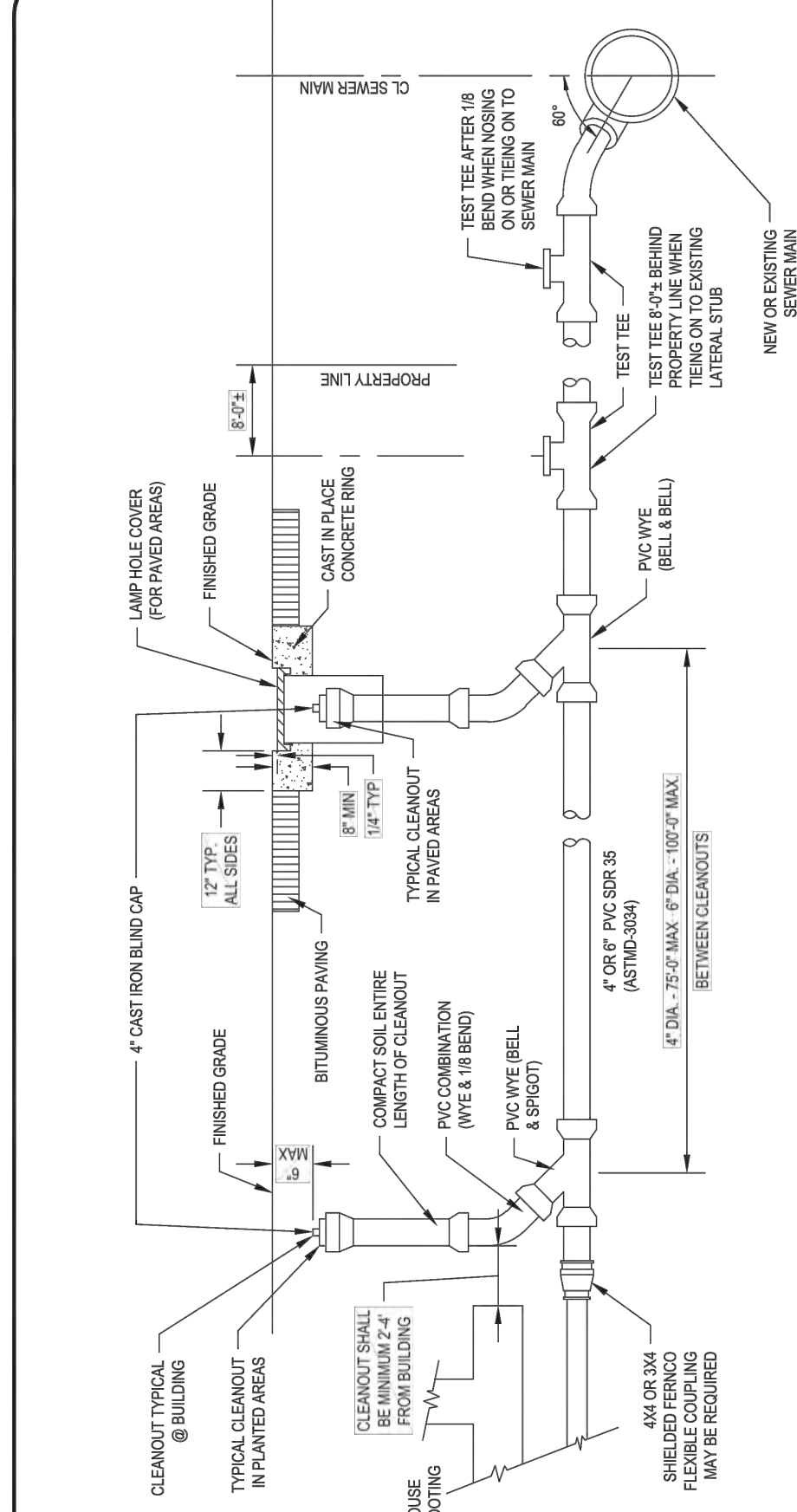
1. INSTALL PER TYPICAL SEWER TRENCH TB-101.
2. ALL FITTINGS AND PIPE SHALL BE PVC SDR 35.
3. MINIMUM 2' REQUIRED BETWEEN ALL BENDS ON SEWER LATERAL. 90 DEGREE BENDS ARE NOT PERMITTED.
4. PIPE LAYING OPERATIONS SHALL PROCEED IN AN UPHILL DIRECTION WITH ALL BELLS FACING UPHILL.
5. PROVIDE APPROVED "SHIELDED FERNOCO" FITTINGS FOR CONNECTIONS TO EXISTING SERVICES WHERE REQUIRED.
6. COMPACT TO 96% MAX DENSITY UNDER PAVEMENTS AND IMPROVED AREAS. COMPACT TO 90% MAX DENSITY IN UNIMPROVED AREAS.
7. MINIMUM GRADE FOR 4" SEWER LATERAL IS 2%.
8. MINIMUM GRADE FOR 6" SEWER LATERAL IS 1%
9. DISTRICT TO INSPECT ALL LATERALS.
10. ALL SEWER LATERALS ARE PRIVATELY OWNED AND MAINTAINED.
11. SEE TB-103 FOR NOSE-ON DETAIL TO EXISTING SEWER.

UPDATED DEC 2022



TYPICAL SEWER LATERAL
NOTES

TB-102
PAGE 1 OF 2



UPDATED DEC 2022



TYPICAL SEWER LATERAL
NOT TO SCALE

TB-102
PAGE 2 OF 2



THRUST BLOCKING DETAIL NOTES:

- 8 MIL-BLACK POLYETHYLENE ENCASEMENT SHALL BE PROVIDED FOR ALL FITTINGS, VALVES, FIRE HYDRANTS, AND COUPLINGS IN ACCORDANCE WITH AWWA C105.
- FM GREASE REQUIRED ON ALL BOLTS.
- SIZE BLOCKS BASED UPON 200 PSI LINE PRESSURE AND SPECIFIC SOIL BEARING VALUE OF CONSTRUCTION SITE.
- ALL THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL OR AN APPROVED, COMPACTED BACKFILL.
- THRUST BLOCK SIZES SHOWN IN THE TABLE BELOW ARE FOR HORIZONTAL BENDS BASED ON 200PSI OPERATING PRESSURE AND 1500 LBS/SQ FT SOIL BEARING PRESSURE. THRUST BLOCK SIZES MAY NEED TO BE ADJUSTED TO CONFORM WITH PROJECT SPECIFIC CONDITIONS. THRUST BLOCKS FOR VERTICAL BENDS TO BE DESIGNED BY ENGINEER.

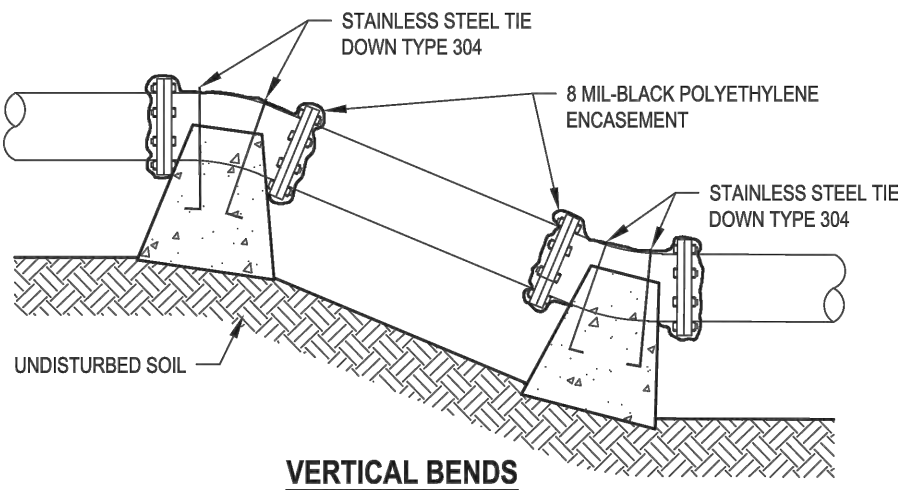
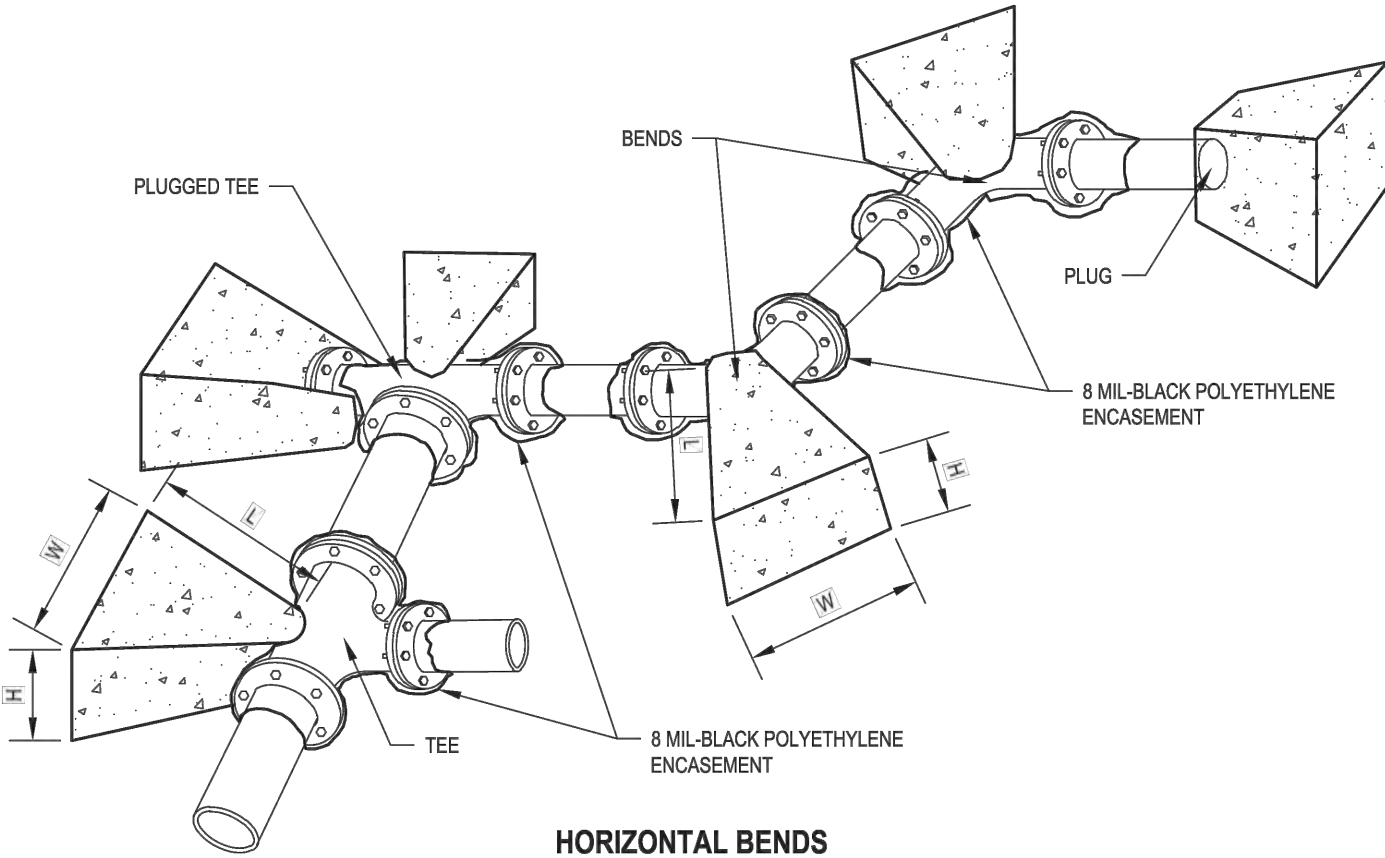
	11.25° BEND			22.5° BEND			45° BEND			90° BEND			TEE			DEAD END		
	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H
6-INCH	0.8'	1.0'	1.0'	1.2'	1.3'	1.3'	1.6'	1.9'	1.9'	2.2'	2.5'	2.5'	1.8'	2.1'	2.1'	1.8'	2.1'	2.1'
8-INCH	1.1'	1.3'	1.3'	1.5'	1.8'	1.8'	2.1'	2.5'	2.5'	2.9'	3.3'	3.3'	2.4'	2.8'	2.8'	2.4'	2.8'	2.8'
10-INCH	1.4'	1.6'	1.6'	1.9'	2.2'	2.2'	2.6'	3.0'	3.0'	3.6'	4.1'	4.1'	3.0'	3.5'	3.5'	3.0'	3.5'	3.5'
12-INCH	1.6'	1.9'	1.9'	2.3'	2.6'	2.6'	3.1'	3.6'	3.6'	4.3'	4.9'	4.9'	3.6'	4.1'	4.1'	3.6'	4.1'	4.1'

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THRUST BLOCKING
NOTES

TB-202
PAGE 1 OF 2

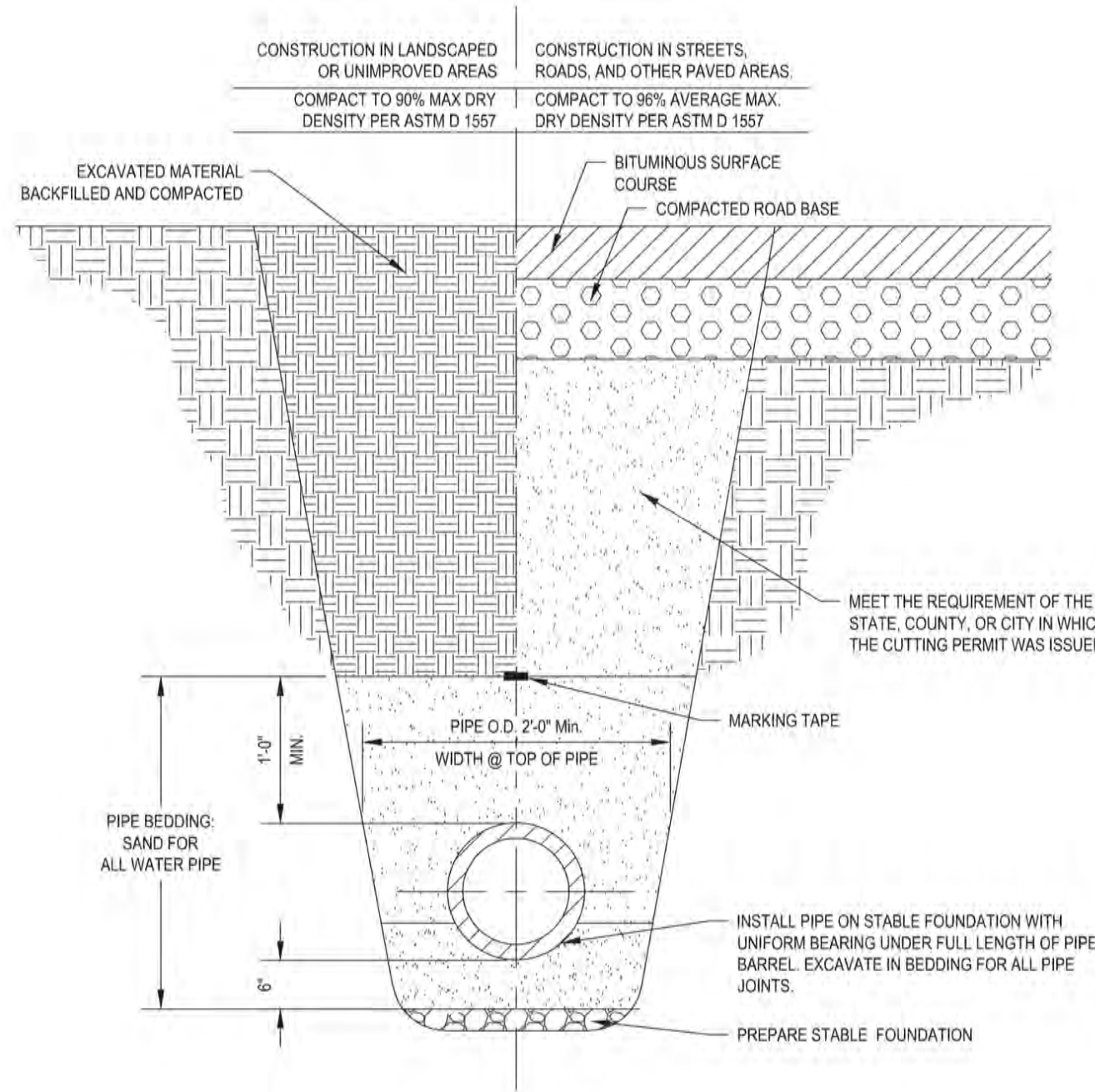


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THRUST BLOCKING
NOT TO SCALE

TB-202
PAGE 2 OF 2

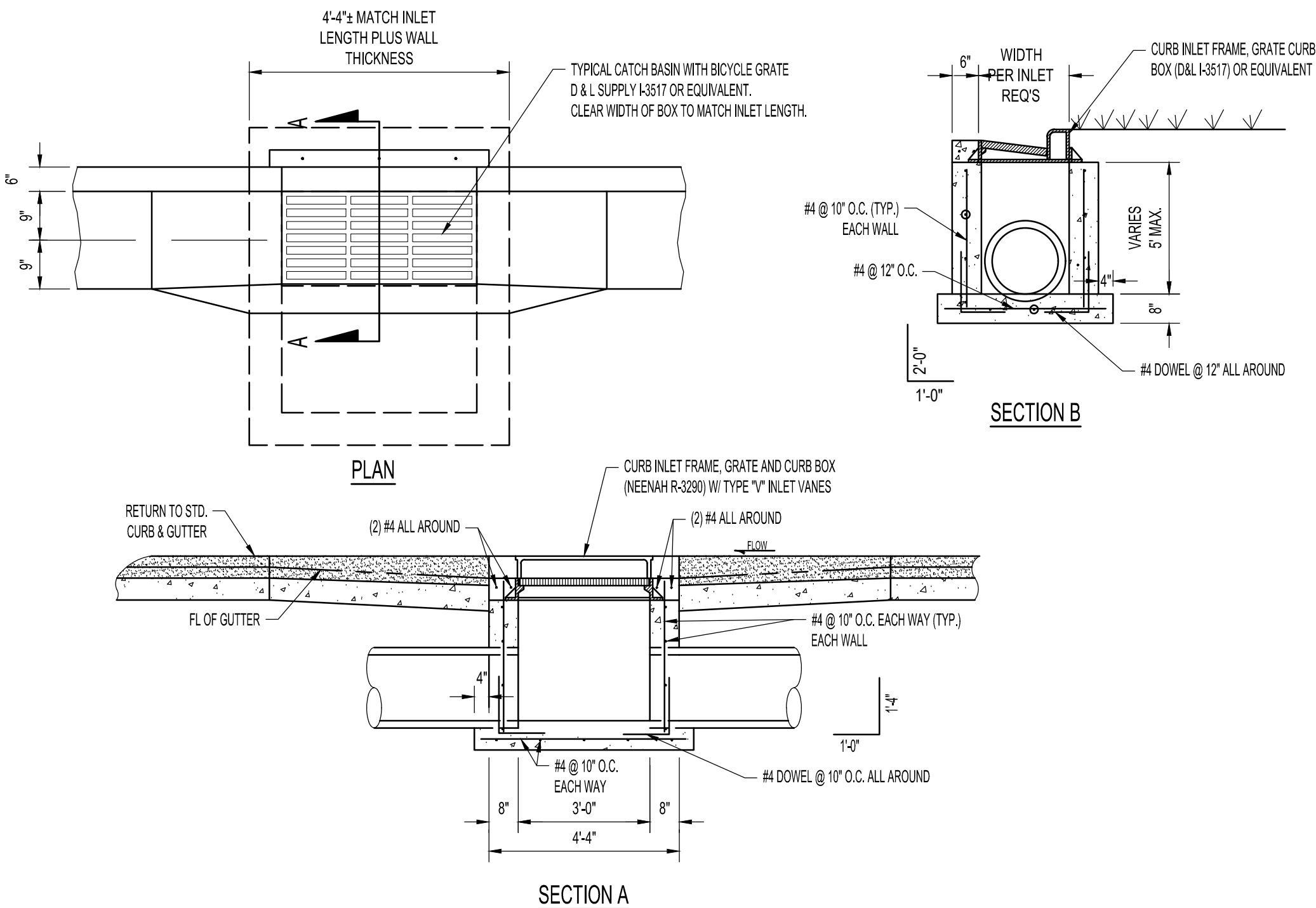


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TYPICAL WATER TRENCH SECTION
NOT TO SCALE

TB-201
PAGE 2 OF 2



- NOTES:
- PRECAST BOXES IN ACCORDANCE WITH SPECIFICATIONS ARE ACCEPTABLE.
 - CUT PIPING SMOOTH WITH BOX WALL. PIPING JOINT WITH BOX WALL AND ALL LEDGES SHALL BE GROUTED SMOOTH WITH EPOXY GROUT.

CURB & GUTTER INLET

N.T.S.



PROJECT NUMBER
23-350

ISSUE DATE

06 SEPT 2024

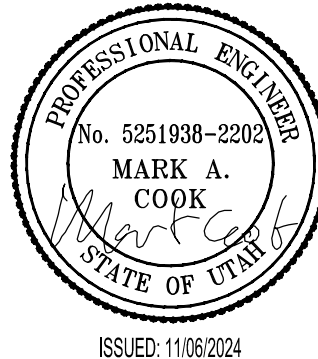
REVISION DATE DESCRIPTION

ARCHIPEX GROUP
ARCHITECTURAL SERVICES

420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

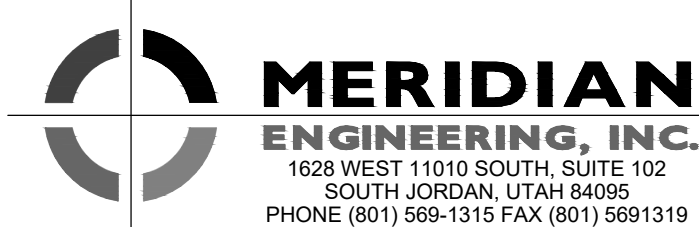
CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



GENERAL
DETAILS

C103



PROJECT NUMBER
23-350

ISSUE DATE
06 SEPT 2024

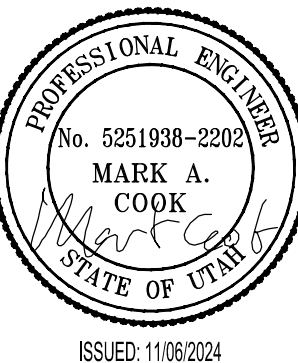
REVISION DATE DESCRIPTION

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ARCHITECTURAL SERVICES

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BOUNTIFUL, UT 84010
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CONCEPTUAL MULTI-USE BUILDING

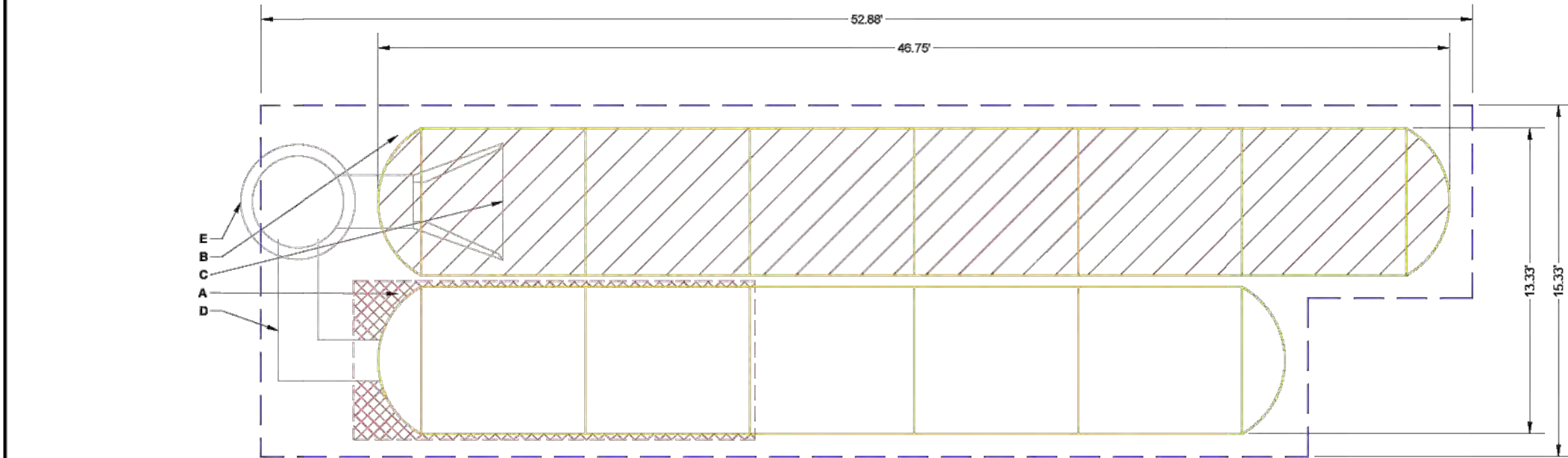
4255 S. REDWOOD RD. TAYLORSVILLE, UT



DETENTION BASIN
DETAILS

C105

PROPOSED LAYOUT	PROPOSED ELEVATIONS:	PART TYPE	ITEM ON LAYOUT	DESCRIPTION	*INVERT ABOVE BASE OF CHAMBER
11. STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)	42.71'			
4. STORM TECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)	42.65'			
12. STONE ABOVE (S)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)	42.65'			
5. STONE BELOW (B)	MINIMUM ALLOWABLE GRADE (TOP OF FLEXIBLE PAVEMENT)	42.65'			
40. STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)	42.65'			
2436. INSTALLED SYSTEM VOLUME (C)	TOP OF STONE	42.65'			
PERIMETER STONE INCLUDED (COVER STONE INCLUDED)	TOP OF MC-3500 CHAMBER	42.65'			
751. SYSTEM INVERT (S)	TOP OF MC-3500 CHAMBER	42.65'			
136.4. SYSTEM PERIMETER (B)	BOTTOM OF STONE	42.65'			



- ISOLATOR ROW PLUS (SEE DETAIL)
- PLACE MINIMUM 17.52' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS
- BED LIMITS

- NOTES
- FOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE 60.32 FOR MANIFOLD SIZING GUIDANCE.
 - DUE TO THE LAYOUT OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
 - THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO INSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
 - THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE IN-SITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
 - **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT

- INSPECTION PORTS (IF PRESENT)
- REMOVER SEDIMENT ON UPSTREAM INLINE DRAIN
- REMOVE AND CLEAN FLEXFORM FILTER IF INSTALLED
- USING A FLASHLIGHT AND RETRACTOR, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
- IF SEDIMENT IS AT OR ABOVE 1" (25 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- ALL ISOLATOR ROW PLUS ROWS
- REMOVER COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS USING A FLASHLIGHT. INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
- MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
- FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
- IF SEDIMENT IS AT OR ABOVE 1" (25 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS

- A FLOW CURVELET CLEANING NOZZLE WITH REAR FACING BROAD OF 40" (1.1 m) OR MORE IS PREFERRED
- APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATE, FILTER, AND LOGS. RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

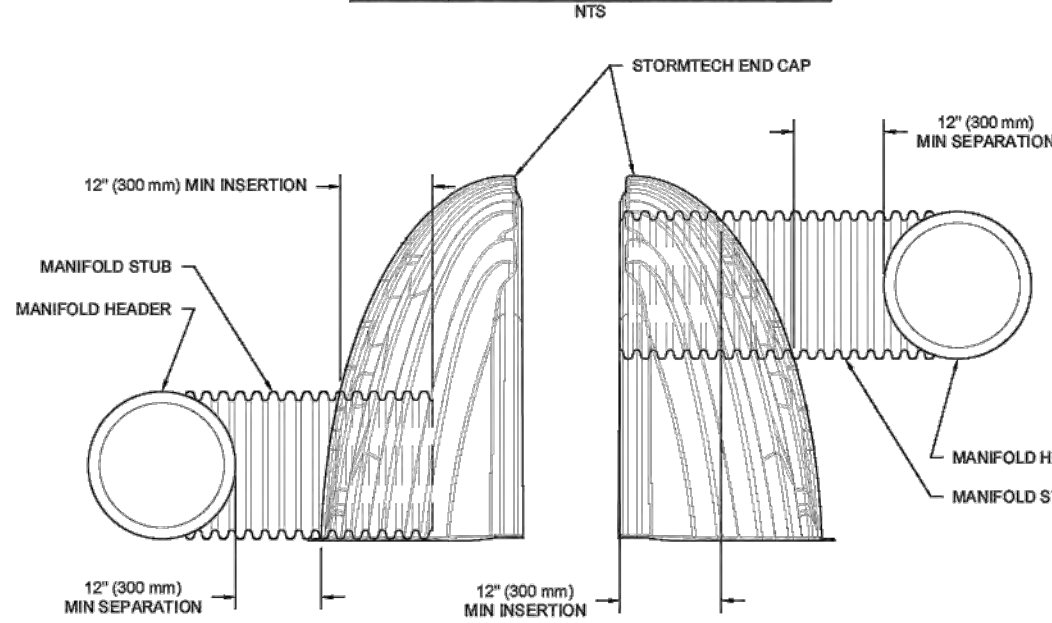
NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUIT SETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

3 MC-3500 ISOLATOR ROW PLUS DETAIL

SPACE INTENTIONALLY LEFT BLANK

MC-SERIES END CAP INSERTION DETAIL



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

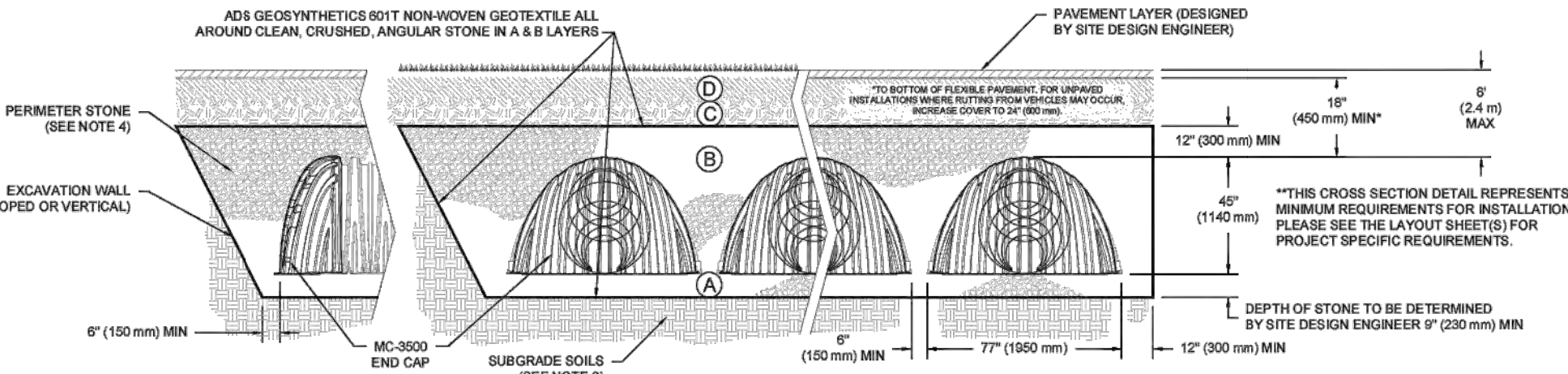
4 MC-SERIES END CAP INSERTION DETAIL

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B LAYER) TO 24\"/>	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <30% FINES OR PROCESSED AGGREGATE.	AASHTO M40 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 387, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24\"/>
B EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE*	AASHTO M43 ¹ 3, 387, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBERS.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE*	AASHTO M43 ¹ 3, 387, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9\"/>
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBGRADE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'D' OR 'C' AT THE SITE DESIGN ENGINEER'S DISCRETION.
- WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2419, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45s70 DESIGNATION SS.
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 1\"/>
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LB/FT². THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2419. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

1 MC-3500 CROSS SECTION DETAIL

CONCEPTUAL MULTI USE BUILDING

TAYLORSVILLE, UT, USA

StormTech
Chamber System

888-862-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473



SHEET
1 OF 1

MERIDIAN
ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
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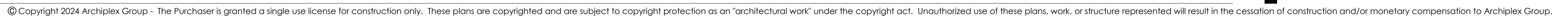


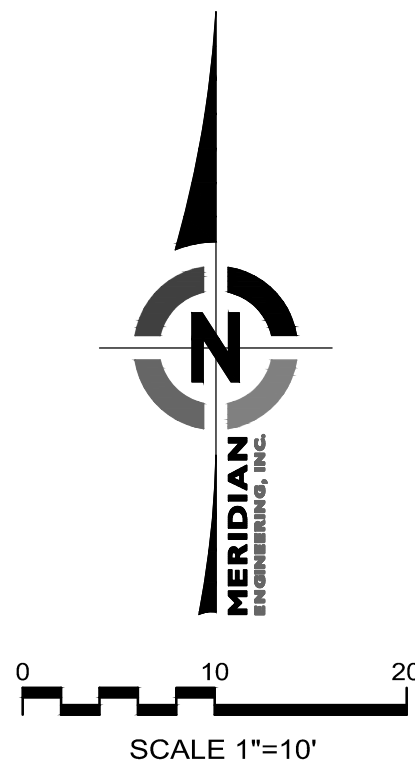
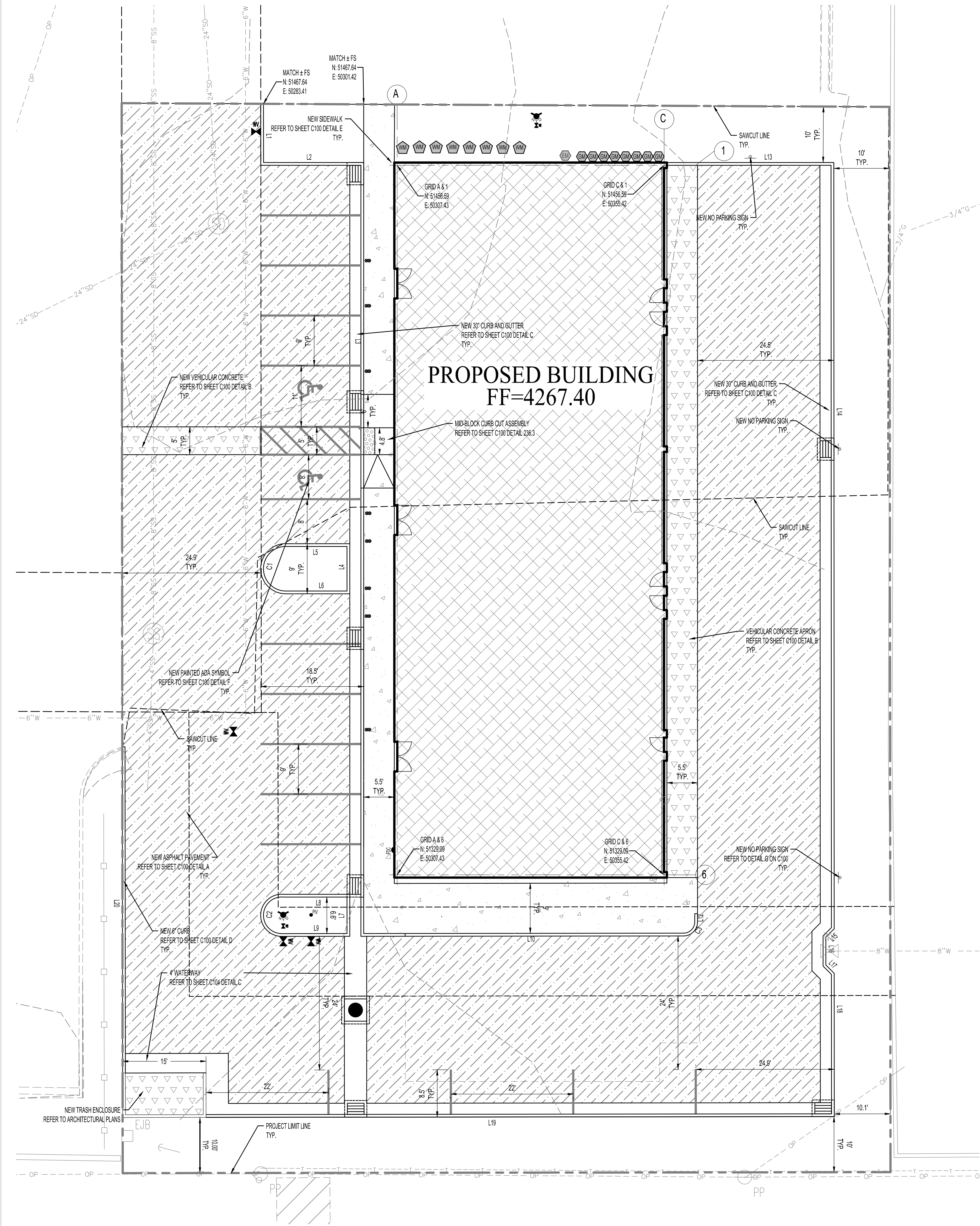
<u>ISSUE DATE</u>		
19 JULY 2024		
REVISION	DATE	DESCRIPTION

420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

4255 S. REDWOOD RD. TAYLORSVILLE, UT

C200





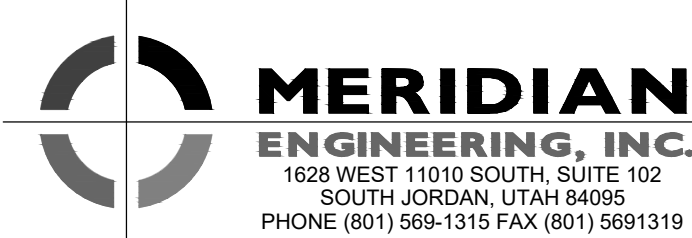
GENERAL SITE LAYOUT NOTES:

- REFER TO ARCHITECTURAL SITE PLAN FOR DETAIL OF DUMPSTER ENCLOSURE.
- REFER TO ELECTRICAL PLANS FOR TRANSFORMER LOCATIONS AND LIGHTING.
- REFER TO LANDSCAPE PLANS FOR LAYOUT OF PLANTINGS.
- VERIFY THE GRID DISTANCES SHOWN FOR BUILDING LOCATIONS WITH ARCH PLANS.
- ALL PAVEMENT REPAIR TO MEET REQUIREMENT STANDARD DETAILS ON C100.
- TRANSITION CURB FROM STANDARD CURB HEIGHT TO CURB TERMINATION OVER 6" MINIMUM AT ALL LOCATIONS.
- REPAIR/CONSTRUCT DRIVE APPROACHES PER CITY STANDARDS.
- CURVE AND LINE DATA IS BASED ON THE TOP BACK OF CURB AND FRONT OF SIDEWALK.
- A RIGHT OF WAY ENCROACHMENT PERMIT MUST BE OBTAINED PRIOR TO ANY WORK IN THE RIGHT OF WAY.

HATCH LEGEND

	ASPHALT PAVEMENT SEE DETAIL A ON SHEET C100		NEW BUILDING
	SIDEWALK PER DETAIL E ON SHEET C100		UNDERGROUND DETENTION BASIN REFER TO CG400 PLANS
	VEHICULAR CONCRETE PER DETAIL B ON SHEET C100		NEW SURFACE UTILITIES REFER TO CU300

TBC Line Table			TBC Curve Table					
L#	L	Bearing	C#	L	R	Δ	Chord Bearing	Chord L
L1	10.55	S0° 05' 02.36"E	C1	12.57	4.00	180°00'00"	S0° 00' 00"E	8.00
L2	18.00	N90° 00' 00.00"E	C2	10.36	3.29	180°13'44"	S3° 23' 10"W	6.58
L3	138.55	N0° 00' 00.08"W	C3	3.14	2.00	089°55'29"	S44° 57' 45"W	2.83
L4	8.00	N0° 00' 00.00"E						
L5	11.00	N90° 00' 00.00"W						
L6	11.00	N90° 00' 00.00"E						
L7	6.56	N0° 00' 00.00"E						
L8	11.51	N90° 00' 00.00"W						
L9	11.90	N89° 55' 30.01"E						
L10	57.50	S89° 55' 30.01"W						
L12	1.50	S0° 00' 00.86"W						
L13	30.00	N89° 59' 07.91"E						
L14	137.70	S0° 01' 25.07"E						
L15	2.12	S44° 58' 06.33"W						
L16	5.00	S0° 01' 25.07"E						
L17	2.12	S45° 01' 53.67"E						
L18	25.75	S0° 01' 25.07"E						
L19	112.90	S89° 55' 30.23"W						
L20	58.02	N0° 03' 16.68"W						



PROJECT NUMBER
23-350

ISSUE DATE
06 SEPT 2024

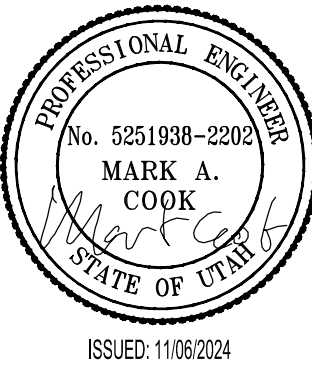
REVISION DATE DESCRIPTION

ARCHIPIX GROUP
ARCHITECTURAL SERVICES

420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT

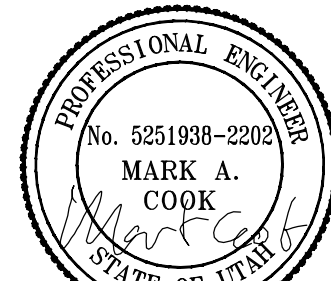


SITE LAYOUT PLAN

CS230

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



ISSUED: 11/06/2024

UTILITY PLAN

CU300

GENERAL UTILITY NOTES:

- PLUMBING CONTRACTOR WILL TERMINATE THEIR ROOF DRAIN LINES WITH A CLEAN OUT APPROXIMATELY 5' FROM THE BUILDING. COORDINATE WITH PLUMBING CONTRACTOR ON SCHEDULE AND PLACEMENT OF ROOF DRAIN LINES NEAR THE BUILDING.
- ALIGN ALL INTERIOR AND EXTERIOR UTILITIES. SITE UTILITY CONTRACTOR TO COORDINATE PLACEMENT HORIZONTALLY AND VERTICALLY WITH BUILDING PLUMBING CONTRACTOR. SITE "INTERFACE LINE" BETWEEN THE BUILDING PLUMBING CONTRACTOR AND THE SITE UTILITY CONTRACTOR WILL BE AT 5' FROM THE BUILDING AND (EXCEPT FOR THE FIRE SPRINKLER LINE) A CLEAN OUT WILL BE INSTALLED BY THE PLUMBING CONTRACTOR APPROXIMATELY 5' FROM THE BUILDING FOR STORM DRAIN AND SEWER LINES. CONNECTION TO BUILDING PIPING AND ALL PIPING BEYOND THIS INTERFACE SHALL BE THE SITE UTILITY CONTRACTOR'S RESPONSIBILITY. PROVIDE REDUCERS, ADAPTERS, OR OTHER FITTINGS AS REQUIRED AT THE INTERFACE TO CONNECT TO BUILDING PIPE. COLLECT ROOF DRAIN LINES AS SHOWN AND ROUTE TO NEW CATCH BASINS OR CLEAN OUTS ON SITE. PREFERRED SLOPES, APPROXIMATE DISTANCES, AND INVERTS OF GRAVITY PIPING ARE SHOWN ON THE PLAN MAY REQUIRE ADJUSTMENT TO CONNECT TO BUILDING ROOF OR SEWER DRAIN LINES. MAINTAIN 2% SLOPE FOR 4" DIAMETER OR SMALLER PIPES, 1% FOR 6" AND 0.5% FOR 8" DIAMETER PIPES.
- ALL PROPOSED SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
- SITE CONTRACTOR SHALL COORDINATE WITH TAYLORSVILLE BENNON IMPROVEMENT DISTRICT WHEN COMPLETING THE SEWER CONNECTION.
- SITE CONTRACTOR SHALL COORDINATE WITH TAYLORSVILLE BENNON IMPROVEMENT DISTRICT INSPECTOR WHEN COMPLETING WATER CONNECTIONS IN CITY STREETS OR ON SITE WHERE REQUIRED.
- ALL CONSTRUCTION IN THE CULINARY WATERLINE AND SANITARY SEWER LINE PIPE ZONE SHALL COMPLY WITH ALL TAYLORSVILLE BENNON IMPROVEMENT DISTRICT SPECIFICATIONS AND REQUIREMENTS. SEE GENERAL NOTES ON SHEET C100. WHERE THRUST BLOCKING CANNOT BE COMPLETED DUE TO OTHER ADJACENT UTILITIES OR OTHER SITE CONSTRAINTS, RESTRAINED JOINTS WILL BE REQUIRED PER (INSERT CITY OR IMPROVEMENT DISTRICT) STANDARD SPECS. THRUST BLOCK ALL WATERLINE FITTINGS PER TAYLORSVILLE BENNON IMPROVEMENT DISTRICT STANDARDS TYP.
- COORDINATES FOR FIRE HYDRANTS, CURB INLETS, CATCH BASINS, OR CLEAN OUTS ARE AT THE CENTER OF THE UTILITY STRUCTURE. ALL STORM DRAIN BOXES ARE 3'X3' UNLESS OTHERWISE NOTED OR THOSE INLETS PLACES IN CURB AND GUTTER.
- ALL VALVES, AREA CATCH BASINS (NOT IN C&G), CLEAN OUTS, OR MANHOLES SHALL HAVE CONCRETE GRADE ADJUSTMENT COLLARS PLACED PER DETAIL ON C100.
- STORM DRAIN CLEAN OUTS TO BE SIMILAR TO DETAIL SHOWN ON PLUMBING PLANS AND SHALL BE EXTENDED TO GRADE. ALL EXTERIOR ROOF DRAIN PIPING TO BE CAST IRON SOIL PIPE AND FITTINGS IN ACCORDANCE WITH ASTM A 74.
- ROOF DRAIN CONNECTIONS AT CATCH BASINS OR CLEAN OUT BOXES TO BE CORE DRILLED AND EPOXY GROUTED INTO PRECAST BOXES DUE TO FIELD ADJUSTMENTS WHICH MAY BE NECESSARY TO CONNECT TO BUILDING PIPING. 3" 84" INTERIOR ROOF DRAIN PIPE TO BECOME 4" OR 6" STORM DRAIN PIPE. 5" 86" INTERIOR ROOF DRAIN PIPE TO BECOME 6" STORM DRAIN PIPE.
- THE FIRE SPRINKLER LINE SHALL BE ROUTED INTO THE FIRE SPRINKLER ROOM INSIDE THE BUILDING AND TERMINATE 12" ABOVE FINISH FLOOR WITH A 6" FLANGE. CAP WITH BLIND FLANGE FOR LINE TESTING. REFER TO PLUMBING PLANS FOR RISER LOCATION IN THE BUILDING. THE FIRE SERVICE LINE SHALL BE CEMENT LINED DUCTILE IRON PIPE (PER AWWA C151 350 PSI AND AWWA C104) WRAPPED IN POLYETHYLENE (PER AWWA C105) FROM THE BUILDING CONNECTION TO THE TEE AT THE FIRE LOOP CONNECTION PER CITY WATER STANDARD SPECIFICATIONS AND DETAILS.
- ALL CONSTRUCTION, PIPING MATERIALS AND INSTALLATION TO BE:

WATER LINES:

- 4" AND 6" PVC AWWA C400 WITH CEMENT MORTAR-LINED DUCTILE IRON PIPE FITTINGS WRAPPED IN 10 MIL. POLYETHYLENE SLEEVES PER AWWA C-105 AND PER CITY STANDARDS.
- VALVES FOR THE FIRE HYDRANTS SHALL BE FLANGED TO THE WATER MAIN LINES
- NEW 8" FIRE SPRINKLER LINE TO BE PVC AWWA C-400 WITH CEMENT MORTAR-LINED DUCTILE IRON PIPE FITTINGS WRAPPED IN 10 MIL. POLYETHYLENE SLEEVES PER AWWA C-105 AND PER TAYLORSVILLE BENNON IMPROVEMENT DISTRICT STANDARDS.
- 1-1/2" PIPE TO CONFORM TO TAYLORSVILLE BENNON IMPROVEMENT DISTRICT STANDARD PER SERVICE LINE.

SEWER LINES, MANHOLES, AND CLEANOUTS:

- APWA AND SEWER DISTRICT STANDARDS WITH STANDARD FITTINGS AND CLEANOUTS.
- 4" PVC (SDR 35) WITH DISTRICT STANDARD FITTINGS AND CLEANOUTS.

STORM DRAIN:

- SITE DRAIN PIPING HOPE FOR 12" OR LARGER (ADS OR APPROVED EQUIVALENT), EXCEPT WITH CITY ROW.

ROOF DRAIN PIPING:

- PROJECT PLUMBING SPECIFICATIONS, CAST IRON SOLID PIPE 4" TO 8" ROOF DRAIN PIPING WRAPPED IN POLYETHYLENE SLEEVES (PER AWWA C105).

DETENTION BASIN:

- SEE DETAIL ON C105

GAS LINE:

- DOMINION ENERGY. COORDINATE WITH DOMINION ENERGY

- PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION. ANY NEW BACKFLOW DEVICES AND THE STOP AND WASTE VALVE ARE SHOWN ON THE LANDSCAPE DRAWINGS.
- INSPECTION AND APPROVAL FOR THE SEWER/WATER LINE CROSSINGS ON SITE SHALL BE REVIEWED AND APPROVED BY TAYLORSVILLE BENNON IMPROVEMENT DISTRICT PRIOR TO CONSTRUCTION OF THE CROSSING. TAYLORSVILLE BENNON IMPROVEMENT DISTRICT SHALL ALSO INSPECT THE CROSSING PRIOR TO BACKFILL.
- REFER TO SHEET C200 FOR PROJECT BASIS OF BEARING, BASIS OF COORDINATES AND BENCHMARK.
- ALL UTILITIES OUTSIDE OF PUBLIC R.O.W. ARE PRIVATELY OWNED AND SHALL BE MAINTAINED BY OWNER UNLESS NOTED OTHERWISE.
- POT HOLE AND FIELD VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- USE PREFABRICATED STEEL LOOPS WHERE WATER LINE IS LESS THAN 18" FROM NEW SEWER SERVICES. USE FLOWABLE FILL BETWEEN ALL OTHER UTILITY CROSSINGS THAT ARE LESS THAN 12" SEPARATION. ALL GRAVITY LINES MUST BE INSTALLED BEFORE PRESSURIZED LINES.
- PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
- ALL FIRE SPRINKLER LINES SHALL HAVE 60" OF COVER MINIMUM. ALL OTHER WATER LINES INCLUDING EXISTING LINES TO HAVE 48" MINIMUM COVER.
- POT HOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO ROUTING ANY NEW UTILITIES. ALL NEW SEWER, DRAINAGE, OR OTHER GRAVITY LINES SHALL BE COMPLETED PRIOR TO ROUTING ANY PRESSURE LINES. WHERE EXISTING UTILITIES CONFLICT WITH NEW GRAVITY LINES, RAISE OR LOWER EXISTING UTILITIES TO ACCOMMODATE NEW GRAVITY LINES. PROVIDE 12" MIN. CLEARANCE BETWEEN WATER AND OTHER UTILITIES. WATER LINES SHALL NOT BE PLACED UNDER SEWER LINES AND SHALL HAVE A MINIMUM OF 18" CLEARANCE OF SEWER.
- THRUST BLOCK ALL FITTINGS OR PROVIDE RESTRAINED JOINTS PER CITY STANDARDS. THE NEW 4" AND 6" CONNECTIONS TO THE NEW BUILDING WILL REQUIRE RESTRAINED JOINTS FOR MANY FITTINGS DUE TO LIMITED SPACE BETWEEN PIPES.
- COORDINATE WITH LANDSCAPE PLANS PRIOR TO COMPLETION OF PAVEMENT FOR INSTALLATION OF IRRIGATION SLEEVES ACROSS PAVING OR PARKING AREAS.
- WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE A 12" WIDE AROUND THE UTILITY APPARATUS AND 8" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. REFER TO DETAIL ON SHEET C100. CONCRETE COLLARS TO BE USED IN ONLY ASPHALT PAVEMENT AREAS OR PAVEMENT AREAS.
- USE HS-20 SOLID COVERS ON ALL MANHOLES, CIB, AND CIBS. AD AND ADS BOXES TO HAVE PEDESTRIAN TRAFFIC GRATED COVERS EXCEPT AS NOTED. ALL CIB BOXES TO HAVE HS-20 FRAME AND GRATES.
- REPAIR PAVEMENT, AS WELL AS CURB AND GUTTER, AND SIDEWALKS WHERE UTILITIES CROSS INTO PUBLIC R.O.W. TO MAINTAIN TRAFFIC THROUGH THESE AREAS. ALL REPAIR IN PUBLIC R.O.W. TO MEET APWA AND CITY STANDARDS.
- SET NEW UTILITY MANHOLE OR STRUCTURE OVER EXISTING PIPING WHERE NEW AND EXISTING PIPING CONNECT. RECONNECT ALL EXISTING PIPING TO NEW STRUCTURES. PROVIDE NEW SECTIONS OF PIPE IF NECESSARY TO RECONNECT ALL PIPING TO THE NEW UTILITY STRUCTURES.
- GAS LINE CONSTRUCTION TO THE BUILDING METER WILL BE COMPLETED BY DOMINION ENERGY. COORDINATE GAS INSTALLATION WITH DOMINION ENERGY.
- CONTRACTOR RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS AND INSPECTIONS WHILE WORKING IN THE PUBLIC RIGHT OF WAY.
- PROJECT LOCATED IN AREA OF MINIMAL FLOOD HAZARD FEMA FLOOD PLAIN ZONE X REFER TO MAP 48030C0202G.
- VALVES ATTACH DIRECTLY TO TEE FITTINGS. "FL" INDICATES FLANGE FITTING AND "ML" INDICATED MECHANICAL JOINT FITTING. ALL VALVING WILL CONNECT TO MAIN LINE PIPE WITH FLANGE FITTING. MAIN LINE FITTINGS CONNECTING TO VALVES WILL ALSO BE FLANGE FITTINGS. WRAP AND GREASE ALL FITTINGS PER SPECIFICATIONS AND NOTES.
- THE CONTRACTOR SHALL MAINTAIN 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND CULINARY WATER LINES. FOLLOW CITY STANDARDS FOR ALL WATER/SEWER CROSSINGS.
- SPOT ELEVATION PREFIX OF 57 OR 58 HAS BEEN DROPPED FROM THE ELEVATIONS (IE: ELEVATION 00.00 = 5700.00 AND 96.50 = 5696.50).
- WHEN THERE ARE CONFLICTS WITH WATER AND OTHER UTILITIES, PRE-FABRICATED STEEL LOOPS WILL BE REQUIRED.
- VALVES FOR FIRE HYDRANTS SHALL BE FLANGED TO THE MAINLINE TEE.

STRUCTURE LABEL	DETAIL #
CIB- STORM DRAIN CLEANOUT BOX	DETAIL E SHEET C104
CIB- CURB AND GUTTER INLET	DETAIL A SHEET C103
FH- FIRE HYDRANT	DETAIL TB209 SHEET C102
PW	DETAIL A SHEET C104
1" WATER METER	DETAIL TB203 SHEET C101
SDCO & SSCO- STORM AND SEWER CLEANOUT	DETAIL D SHEET C104
DETENTION BASIN	DETAILS ON SHEET C105



CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



ISSUED: 11/06/2024

GRADING PLAN

CG400

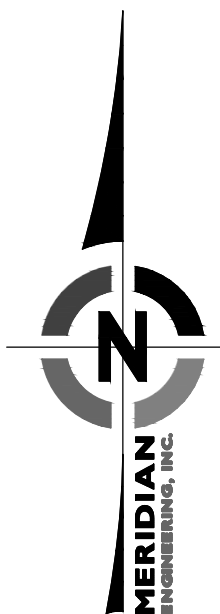
GENERAL GRADING NOTES:

- REFER TO SHEET ARCHITECTURAL SITE PLAN DETAILS FOR RAISED PLANTERS, HANDICAP RAMPS, SIDEWALK DETAILS, FLUSH CURB, DIMENSIONS OF PLAYGROUND, PARKING LOT STRIPING AND SITE FENCING WITH MOW STRIP.
- CONTOURS OF THE SITE ARE BASED ON A SURVEY BY MERIDIAN ENGINEERING, INC. REFER TO SHEET C200 FOR PROJECT BENCH MARK AND BASIS OF BEARING.
- ALL WORK IN CITY ROADWAYS SHALL BE IN ACCORDANCE WITH APWA AND TAYLORSVILLE CITY STANDARD PLANS AND SPECIFICATIONS. NEW CURB AND GUTTER, PAVEMENT REPAIRS, AND THE NEW DRIVEWAYS SHALL COMPLY WITH THESE APWA AND CITY STANDARDS. TRAFFIC CONTROL FOR THE PROJECT SHALL ALSO BE APPROVED BY THE CITY WHERE THE SITE ACCESSES TO PUBLIC STREETS. COORDINATE WITH CITY FOR PAVEMENT CONSTRUCTION IN RIGHT OF WAY TO THE REQUIRED PAVEMENT THICKNESS FOR ALL STREET REPAIRS.
- PROVIDE APPROVED SILT PROTECTION FOR ALL NEW AND EXISTING CATCH BASINS UNTIL LANDSCAPING IS WELL ESTABLISHED AND PARKING IS COMPLETE. THE PIPING SYSTEM SHALL BE CLEANED OUT BEFORE FINAL APPROVAL. USE MIRAFI "DANDY BAG" OR ANOTHER APPROVED EQUIVALENT FOR EXISTING INLET PROTECTION. REFER TO SHEET C500 AND C510.
- DIMENSIONS OR COORDINATES ARE TO THE CENTER OF CATCH BASINS FOR AREA INLETS AND AT THE CENTER OF THE CATCH BASIN AT TBC FOR INLETS IN CURB AND GUTTER.
- HANDICAP PARKING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION. THE PERPENDICULAR CROSS SLOPE TO PARKING STALL IN OTHER AREAS OF THE PARKING LOT SHALL NOT EXCEED 4% IN SLOPE AND SLOPE SHALL NOT EXCEED 8% IN ANY DIRECTION FOR DRIVEWAYS.
- ALL WALKWAYS SHALL NOT EXCEED 5% SLOPE. THE PERPENDICULAR CROSS SLOPE TO NOT EXCEED 2% MAX. SLOPE FOR WALKWAYS 2% MAX. FROM BUILDING OR STAIR RISERS FOR 5' MINIMUM. ALSO SLOPE 2% MAX FOR 5' AT THE END OF THE 1:12 SLOPE OF ALL H.C. RAMPS.
- REFER TO ARCHITECTURAL SITE LAYOUT PLAN.
- PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
- "TBC" IS TOP BACK OF CURB ELEVATIONS. "FS" IS FINISH SURFACE ELEVATIONS. "TOC" IS TOP OF CONCRETE ELEVATIONS. "TOW" IS TOP OF WALL ELEVATIONS. "BOT" IS FINISH SURFACE AT BOTTOM OF WALL ELEVATIONS. "FL" IS FLOW LINE.
- TRANSITION FACE OF CURB TO BE FLUSH TO ADJACENT FINISHED SURFACE WHERE INDICATED BY "TBC/FS" TO FULL HEIGHT OVER 5' (MIN).
- PLACE CONCRETE COLLAR AROUND ALL NEW CATCH BASINS OR CLEANOUTS (NOT IN CURB AND GUTTER). COLLAR TO BE 1" MINIMUM WIDTH AND SHALL BE 8" MINIMUM THICKNESS. PLACE 2 #4 BARS AROUND OPENING. SEE DETAIL ON SHEET C104.
- ALL LANDSCAPE AREAS SHALL HAVE 4" MINIMUM OF TOPSOIL OR AS REQUIRED BY LANDSCAPE PLANS. LANDSCAPE AREAS TO BE GRADED TO DRAIN AND MOUND WHERE INDICATED ON LANDSCAPE PLANS.
- REFER TO SHEET C100 FOR REQUIRED PAVEMENT SECTIONS.
- IF MORE THAN 3 FEET OF GRADING FILL WILL BE PLACED ABOVE THE EXISTING SURFACE (TO RAISE SITE GRADES), THE OWNERS GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED SO THAT THEY MAY ASSESS POTENTIAL SETTLEMENT AND MAKE ADDITIONAL RECOMMENDATIONS IF NEEDED.
- DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN THE SPEC SECTION WITH UP TO 2" OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE.
- SITE SLOPES MAY NOT SUPPORT CONSTRUCTION TRAFFIC DURING WET PERIODS OF THE YEAR. CONTRACTOR WILL BE RESPONSIBLE TO PLACE GRANULAR FILL AND/OR COBBLE MATERIALS AS NECESSARY TO MAINTAIN ACCESS TO THE SITE OR BUILDING THROUGHOUT THE CONSTRUCTION SITE AT ALL TIMES. EXCESS MATERIAL SHALL BE REMOVED AS REQUIRED TO COMPLETE THE SITE TO THE GRADES SHOWN ON GRADING PLANS. ALSO REFER TO GEOTECHNICAL INVESTIGATION SHEETS FOR SITE SOIL PREPARATION REQUIREMENTS.
- PROVIDE TEMPORARY STORM DRAIN PUMPING, PONDING, BERMING, PIPING AND INLETS OR OTHER MEASURES TO RETAIN CONSTRUCTION STORM DRAIN RUNOFF ON SITE DURING CONSTRUCTION UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL CONSTRUCTION SITE RUNOFF TO HAVE HEAVY SEDIMENT REMOVED PRIOR TO RELEASING TO EXISTING SITE DRAIN SYSTEM. PROTECT ADJACENT BUILDING FROM CONSTRUCTION RUNOFF AT ALL TIMES.
- THERE SHOULD BE NO STANDING WATER ONSITE. ALL STORM WATER SHALL DRAIN TO AN INLET OR AREA DRAIN. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF ANY LOW SPOTS THAT DO NOT DRAIN ARE ENCOUNTERED. A WATER TEST WILL BE PERFORMED BY THE CONTRACTOR WITH THE ENGINEER OF RECORD IN ATTENDANCE OR A SURVEY OF THE NEW IMPROVEMENTS PROVIDED TO THE ENGINEER AT COMPLETION OF THE PROJECT TO VERIFY THAT ALL STORM DRAIN WATER DRAINS AS DESIGNED.
- ALL "MATCH" LOCATIONS INDICATE THAT THE CONTRACTOR IS TO MATCH THE EXISTING GRADE. AN APPROXIMATE ESTIMATE IS PROVIDED BY THE ENGINEER BASED ON AN INTERPOLATION OF NEAREST SPOT ELEVATIONS PROVIDED BY THE SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE ELEVATIONS. IF THE ELEVATION VARIES GREATLY FROM THE ACTUAL ELEVATION FOUND BY THE CONTRACTOR THE CONTRACTOR IS TO NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN PROVIDE FURTHER DIRECTION.
- GRADE UNIFORMITY BETWEEN SPOT ELEVATIONS AND CONTOURS UNLESS NOTED OTHERWISE. IF ANY QUESTIONS ARISE ABOUT THE PROPOSED GRADING SHOWN ON PLANS CONTACT THE ENGINEER OF RECORD BEFORE FIELD GRADING.
- MAINTAIN DRAINAGE FROM ALL EXISTING ROOF DRAINS DURING CONSTRUCTION OF ALL PHASES. PROVIDE TEMPORARY MEASURES OF NEW PIPING, PUMPING, OR OTHER METHODS TO MAINTAIN DRAINAGE FROM ALL EXISTING ROOF DRAIN WHILE NEW PIPING SYSTEMS OUTFALLS ARE COMPLETED.
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL STUDY REFERENCED IN PLAN SET. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS BEING PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOIL REPORT.
- NOTIFY ENGINEER OF RECORD IF THERE ARE ANY CONFLICTS WITH UTILITY LINES OR IF ASSUMED INVERTS VARY. FOR FURTHER COORDINATION, SEWER AND WATERLINES TO HAVE 18" SEPARATION WITH WATER OVER SEWER. ALL OTHER UTILITIES TO HAVE 12" SEPARATION MIN. IF 12" SEPARATION CANNOT BE ACHIEVED UTILITIES TO HAVE FLOWABLE FILL BETWEEN THE UTILITY LINES 5' EACH WAY.
- CONTRACTOR IS RESPONSIBLE TO INFORM THE ENGINEER OF RECORD IF THE GRADES SHOWN ON THE SURVEY DO NOT MEET THE ACTUAL GRADES IN THE FIELD.
- ALL STRUCTURE LIDS WITHIN THE PROJECT LIMITS WILL NEED TO HAVE THEIR GRADE ADJUSTED. WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE 12" WIDE AROUND THE UTILITY APPARATUSSES AND 8" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. CONCRETE COLLARS TO BE USED ONLY IN ASPHALT/CONCRETE AND GRASS PAVED AREAS.
- RESTORE SOD AND SPRINKLER SYSTEM AROUND NEW IMPROVEMENTS IN LANDSCAPE. SPRINKLER SYSTEM MUST BE MAINTAINED AND REMAIN IN SERVICE FOR REMAINDER OF GRASS AREA DURING CONSTRUCTION.
- REFER TO ARCHITECTURAL AND LANDSCAPE PLANS FOR ALL INFORMATION ABOUT EXISTING AND PROPOSED TREES.
- REMOVE AND REPLACE ANY DAMAGED CURB, GUTTER, OR SIDEWALK ALONG FRONTAGE BEFORE FINAL INSPECTION.
- ALL GUTTERS TO SLOPE 0.5% MINIMUM TOWARDS CURB INLET BOX. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF THE PROPOSED GRADE DOES NOT MEET 0.5% SLOPE IN GUTTER.
- SITE WALLS (EXCEPT STAIR CHEEK WALLS OR SEAT WALLS) TO HAVE A 3" PERFORATED DRAIN (PVC OR HDPE WRAPPED IN DRAINAGE FABRIC) AS SHOWN ON PLANS AND ON THE RETAINING WALL DETAILS ON THE STRUCTURAL PLANS. CONNECT TO SITE DRAINAGE STRUCTURES AS SHOWN WITH 4" PVC SOLID PIPE (SDR 35) FROM THE CONNECTION AT THE PERFORATED FOOTING DRAIN TO THE STORM DRAIN STRUCTURE. SLEEVE DRAIN PIPE THROUGH SITE WALLS AS REQUIRED TO CONNECT TO DRAINAGE SYSTEM WHERE FOOTINGS STEP DOWN BELOW NORMAL DEPTH FOR UTILITY CROSSING. PERFORATED DRAIN PIPE DOES NOT STEP DOWN TO AVOID ANY LOW POINTS IN THE WALL DRAIN PIPING.
- SPOT ELEVATION PREFIX OF 57 OR 58 HAS BEEN DROPPED FROM THE ELEVATIONS IE. ELEVATION 00.00 = 4200.00 AND 67.40 = 4267.40.

THE CONTRACTOR TO SCHEDULE THE ENGINEER OF RECORD IN WRITING 3 DAYS MINIMUM BEFORE PLACEMENT OF CONCRETE CURBING, FLATWORK, OR ASPHALT PAVING. ALL AREAS MUST BE FORMED AND HAVE COMPACTED BASE COURSE IN PLACE FOR THE ENGINEER TO COMPLETE A RANDOM SPOT GRADE CHECK BEFORE ASPHALT AND CONCRETE CONSTRUCTION. THE RANDOM GRADE CHECKS ARE FOR GENERAL CONFORMANCE TO SLOPES AND GRADING SHOWN ON PLANS USING A SMART LEVEL. RANDOM CHECKS DO NOT ALLEVATE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GRADING IS IN CONFORMANCE WITH PLANS AND SPECIFICATIONS AND SATISFY PERFORMANCE OF HIS WORK. WITHIN 2 DAYS OF THE RANDOM SPOT CHECK, RESULTS OF THE SPOT CHECKS AND AREAS OF NON COMPLIANCE WILL BE PROVIDED TO THE CONTRACTOR AND ARCHITECT.

GRADING LEGEND

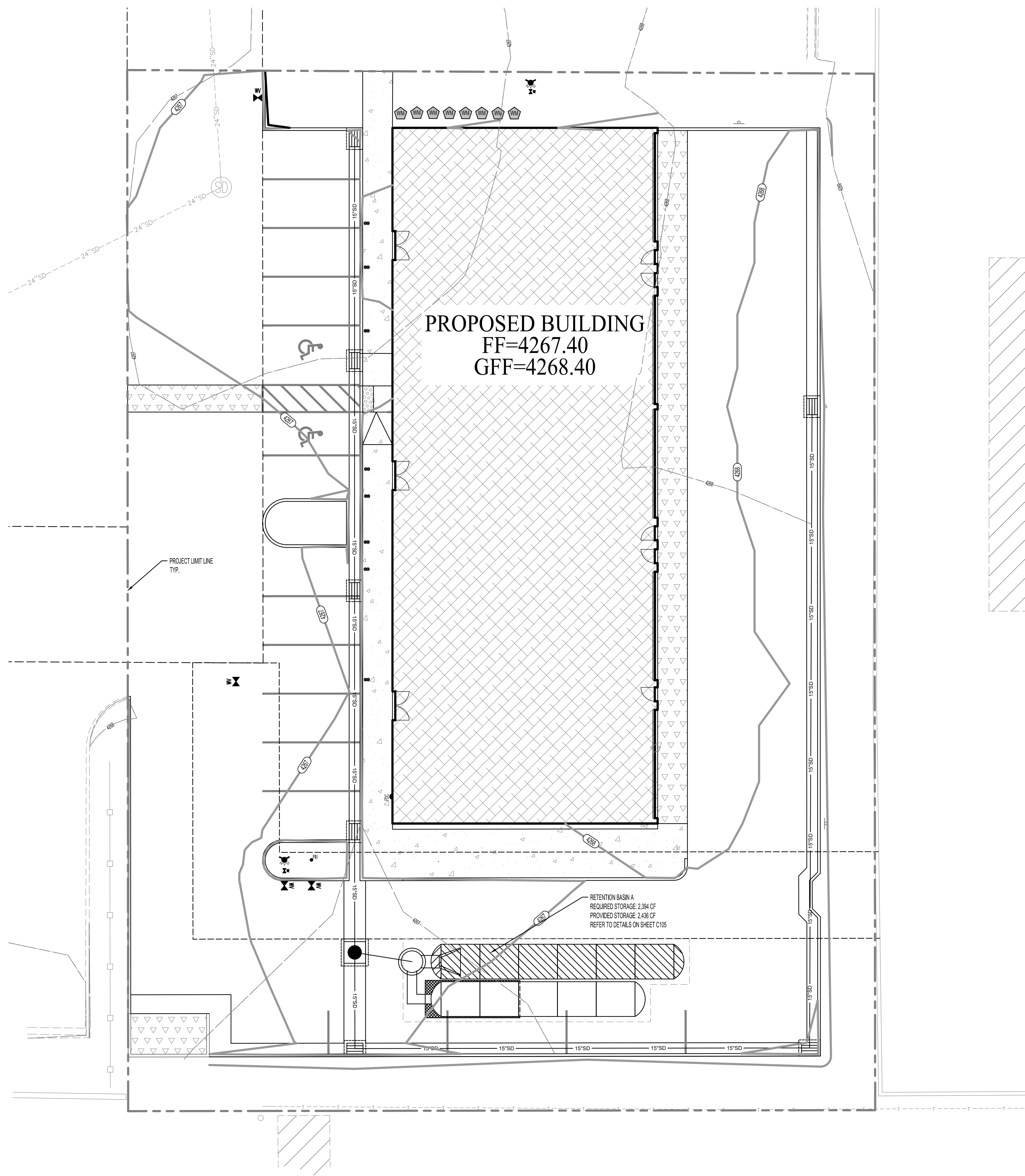
- MAJOR CONTOUR
MINOR CONTOUR
HALF FOOT CONTOUR



SCALE 1"=10'

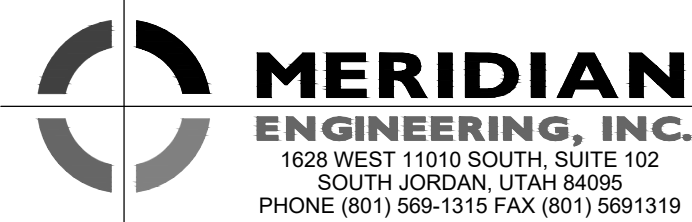
MERIDIAN
ENGINEERING, INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE: (801) 569-1315 FAX: (801) 5691319





- NOTES:
1. SEDIMENT WILL NOT BE ALLOWED INTO RETENTION BASIN DURING CONSTRUCTION AND DURING LANDSCAPE STABILIZATION OF SOILS. CONTRACTOR WILL BE REQUIRED TO CLEAN OR REPLACE RETENTION BASINS THAT ARE NOT MAINTAINED FREE OF SEDIMENT DURING CONSTRUCTION AND DURING ESTABLISHMENT OF ALL LANDSCAPED AREAS.
 2. APPROXIMATED A 100 YEAR STORM EVENT IS TO BE RETAINED UNDERGROUND IN THE PROPOSED DETENTION BASIN.

Date: 2-Jul-24					
Project Location: 4255 S Rd					
Location: Taylorsville, Utah					
Allowable Release Rate					
Total Area	0.61 Ac.	26,476 Sq Ft (On-site and Off-site Drainage)			
Storm Drain Release Rate	0.20 cfs/acre				
	0.12 cfs				
Runoff Coefficients					
Paved Area:	16,345 SF	C=	0.9		
Landscape Area:	3,834 SF	C=	0.2		
Roof Area:	6,297 SF	C=	0.8		
Other	0 SF	C=	0.2		
TOTAL AREA					
	26,476 SF	Weighted C=	0.77		
Lapsed Time	Accum. Rainfall	"CA"	Total Runoff Vol.	Storm Drain	Req'd Storage
Minutes	Inches (100 yr)	Acre	CF	Discharge	CF S
5	0.530	0.47	899	36	862
10	0.807	0.47	1,368	73	1,295
15	1.000	0.47	1,695	109	1,586
30	1.35	0.47	2,289	219	2,070
60	1.67	0.47	2,831	438	2,394
120	1.83	0.47	3,103	875	2,227
180	1.85	0.47	3,137	1,313	1,824
360	1.98	0.47	3,357	2,626	731
720	2.32	0.47	3,933	5,251	0
1,440	2.47	0.47	4,188	10,503	0
REQUIRED DETENTION STORAGE:			2,394 Cu. Ft		
PROVIDED DETENTION STORAGE:			2,436 Cu. Ft		



PROJECT NUMBER
23-350

ISSUE DATE
06 SEPT 2024

REVISION	DATE	DESCRIPTION

ARCHIPLEX GROUP

ARCHITECTURAL SERVICES

420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT

PROFESSIONAL ENGINEER

No. 5251936-2202

MARK A. COOK

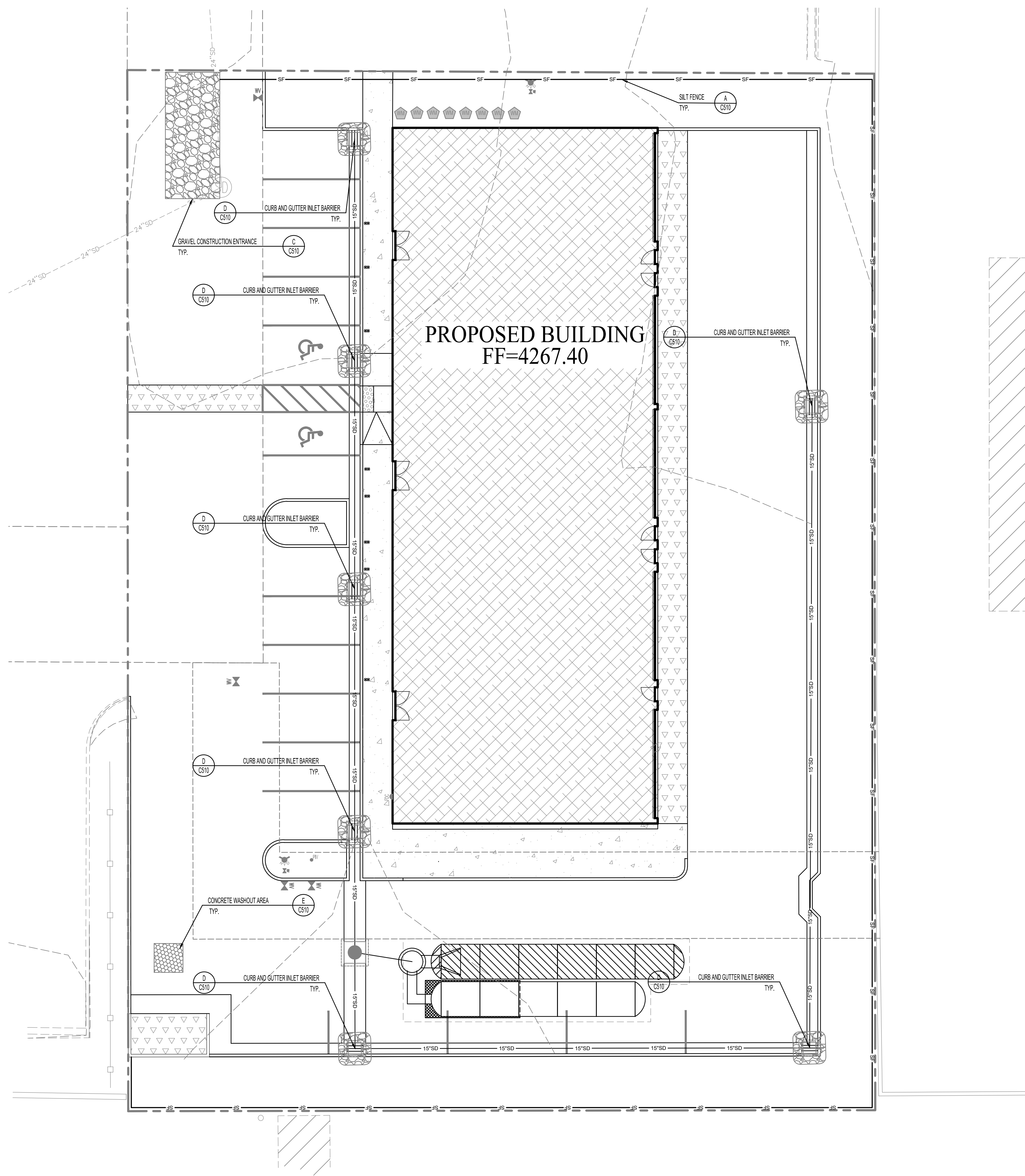
UTAH

STATE OF UTAH

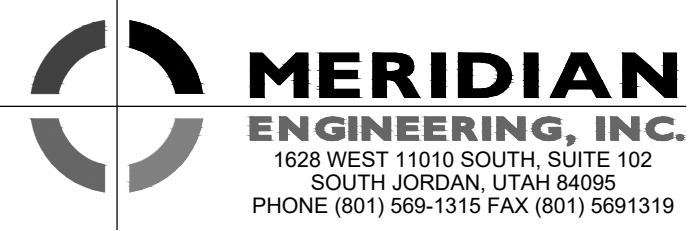
ISSUED: 11/06/2024

HYDROLOGY PLAN

CG450



- NOTES:
- 1) THERE ARE ABOUT 0.61 ACRES WITHIN THE PROJECT BOUNDARY THAT WILL BE DISTURBED WITH NEW CONSTRUCTION OR CONTRACTOR STORAGE ACTIVITIES.
- SEQUENCE OF CONSTRUCTION ACTIVITIES:
- 1) FIELD MARK LIMIT OF DISTURBANCE FOR APPROVAL BY TAYLORSVILLE CITY AND OBTAIN A STORM WATER MANAGEMENT PERMIT AS NEEDED BY TAYLORSVILLE BENNION CITY.
 - 2) INSTALL SILT FENCE AND/OR ENVIRONMENTAL FENCE AROUND PERIMETER OF PROJECT AS INDICATED ON THIS PLAN SHEET.
 - 3) INSTALL SEDIMENT CONTROL MEASURES INDICATED IN ALL EXISTING STORM DRAIN INLETS ADJACENT TO THE CONSTRUCTION SITE.
 - 4) CONTRACTOR WILL BEGIN DEMOLITION, GRADING, EXCAVATION, AND CONSTRUCTING UTILITY SITE IMPROVEMENTS. AS NEW DRAINAGE ELEMENTS ARE COMPLETED, CONSTRUCT SEDIMENT PROTECTION AT ALL NEW INLETS.
 - 5) AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE STABILIZED WITH SOD IN LANDSCAPED AREAS AND PAVEMENT IN PARKING AND DRIVEWAY AREAS. SITE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE COMPLETED WITHIN 21 DAYS OF FINISHING AN AREA TO THE FINAL LINES AND GRADES INDICATED ON THE GRADING PLAN.
 - 6) UPON LANDSCAPE ESTABLISHMENT, REMOVE TEMPORARY MEASURE & CLEAN STORM DRAIN SYSTEM PRIOR TO RELEASE OF SYSTEM TO THE OWNER.
- RUNOFF COEFFICIENTS AND DISCHARGE:
- 1) THE EXISTING RUNOFF COEFFICIENT FOR THE PROJECT AREA IS ESTIMATED TO BE 0.49. THE NEW RUNOFF COEFFICIENT WILL BE APPROXIMATELY 0.77 FOR THE NEW IMPROVEMENTS.
 - 2) RUNOFF WILL BE COLLECTED ON SITE AND RETAINED IN AN UNDERGROUND DETENTION POND.
- POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES:
- 1) THE OWNER WILL SUBMIT POST CONSTRUCTION BEST MANAGEMENT PRACTICES TO TAYLORSVILLE BENNION.
- GENERAL STORM WATER POLLUTION CONTROL NOTES:
- 1) SEE C510 FOR STORM WATER POLLUTION CONTROL NOTES AND GENERAL PRACTICES.
 - 2) ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
 - 3) CONTRACTOR SHALL BE REQUIRED TO KEEP RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.



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23-350

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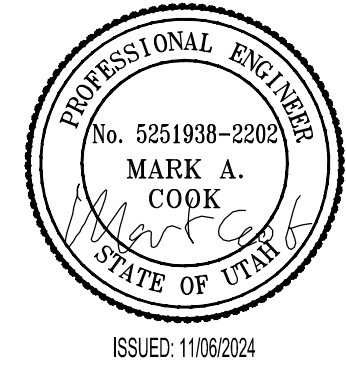
REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



EROSION CONTROL
PLAN

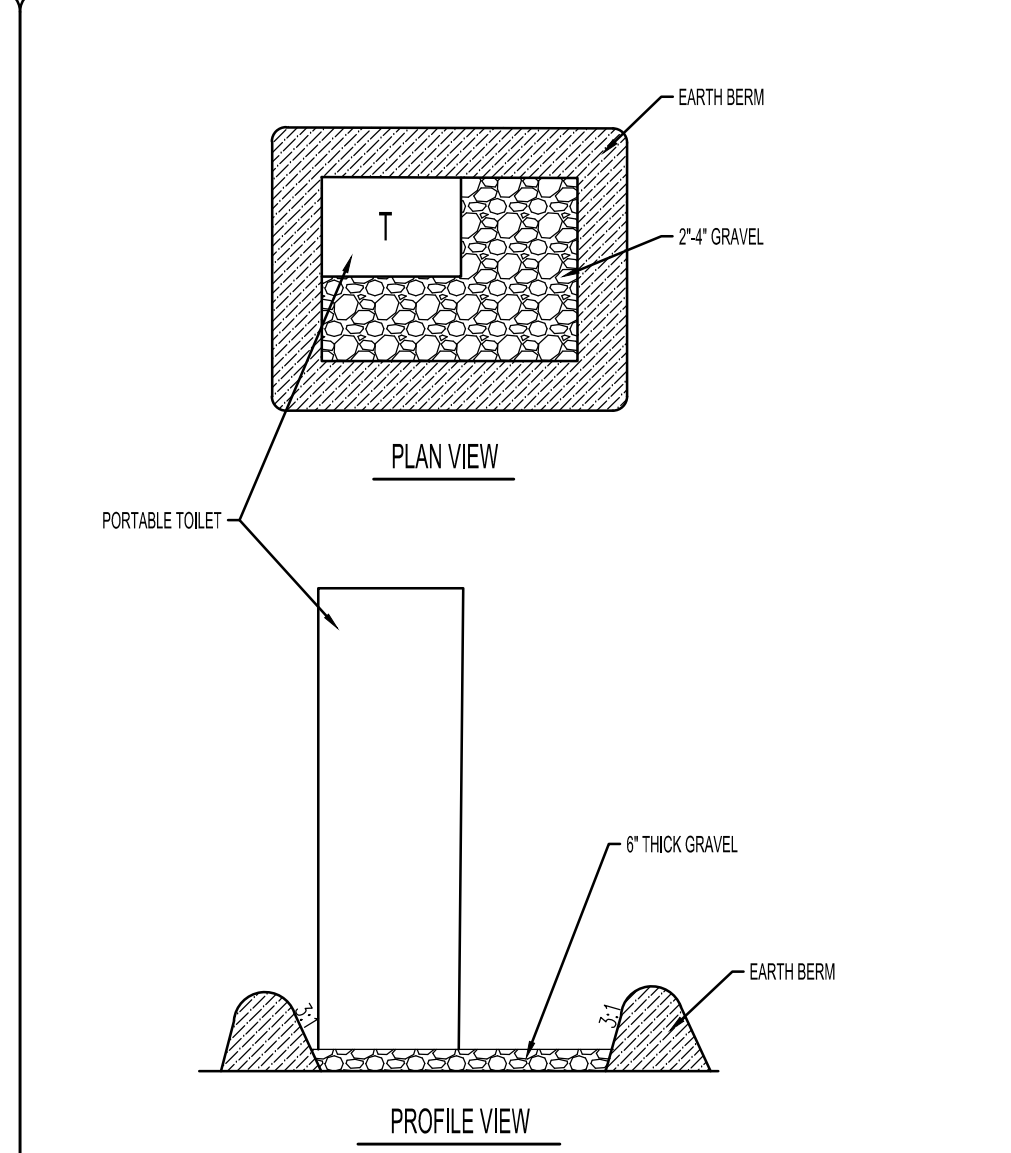
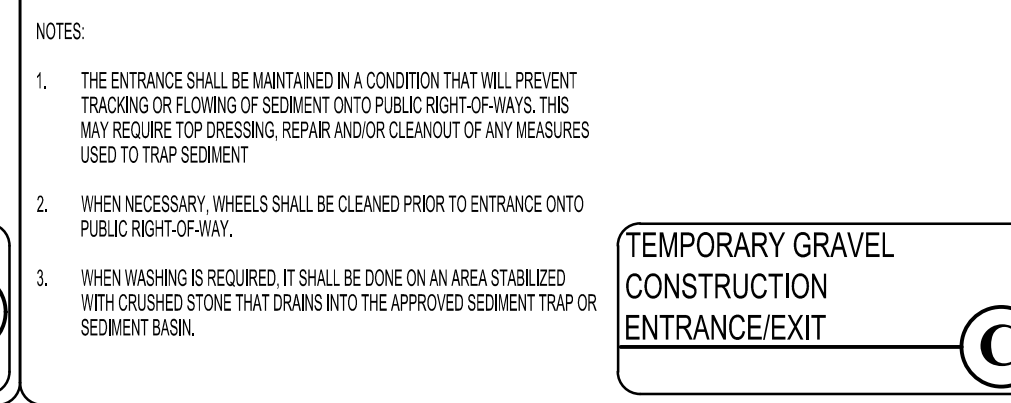
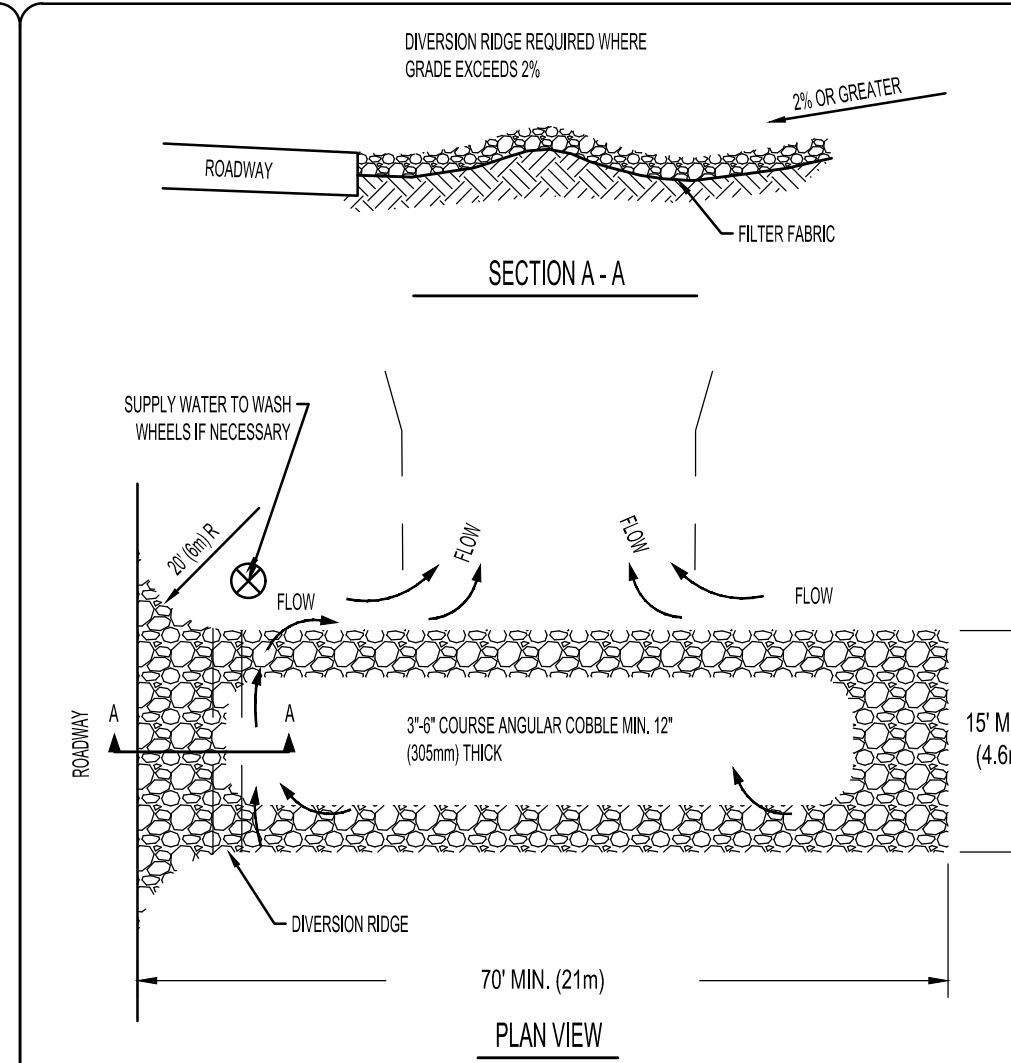
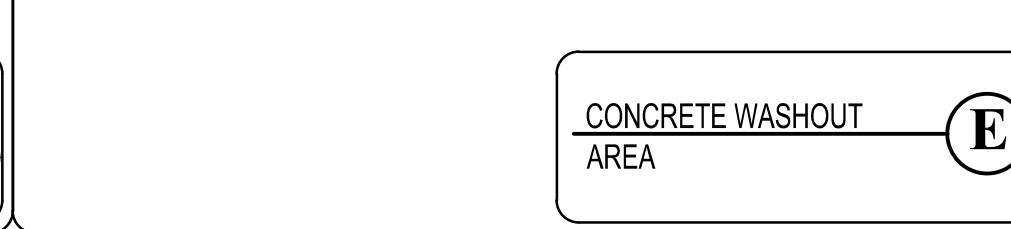
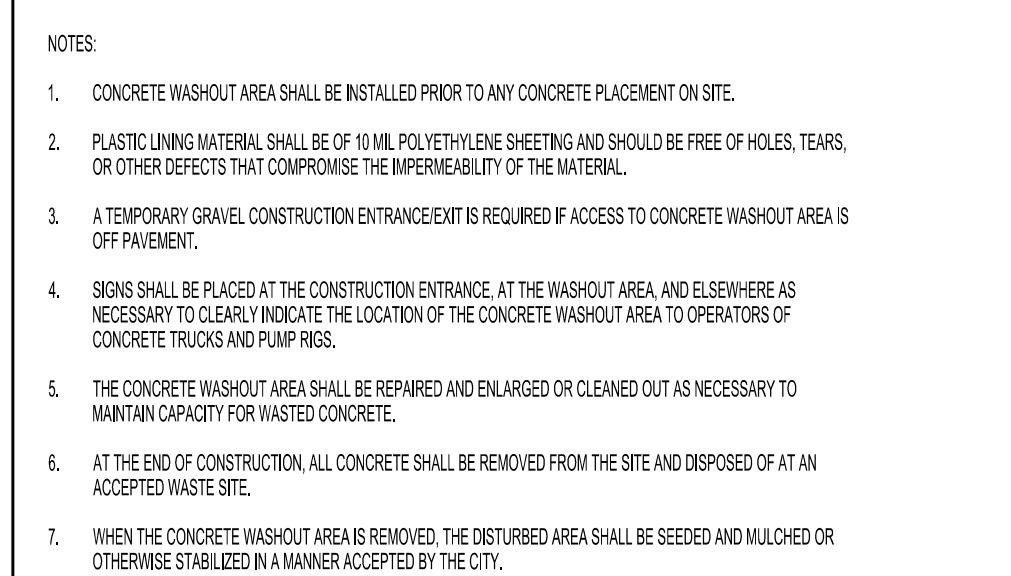
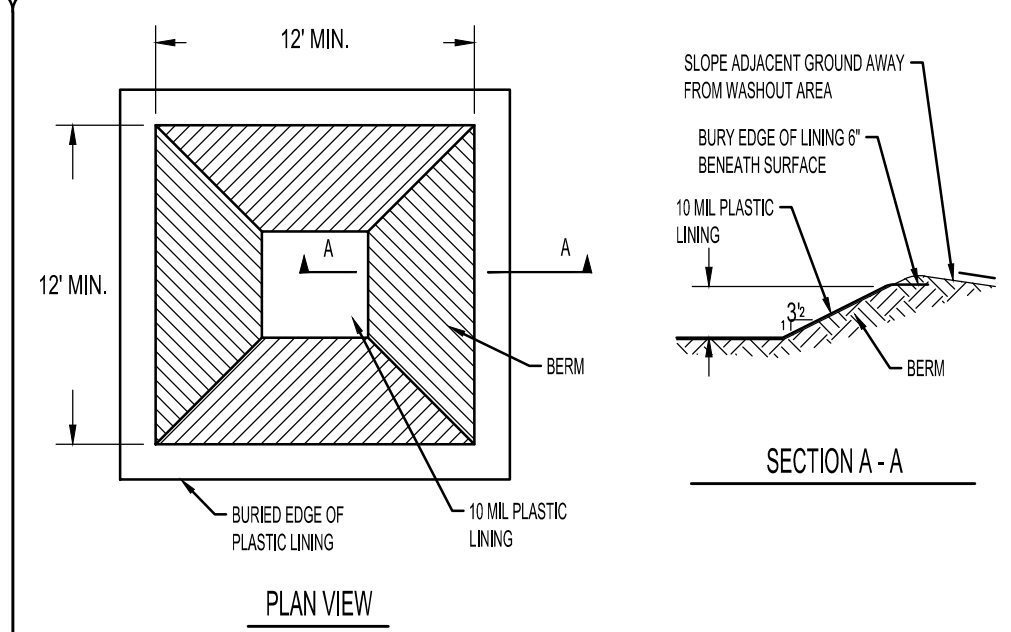
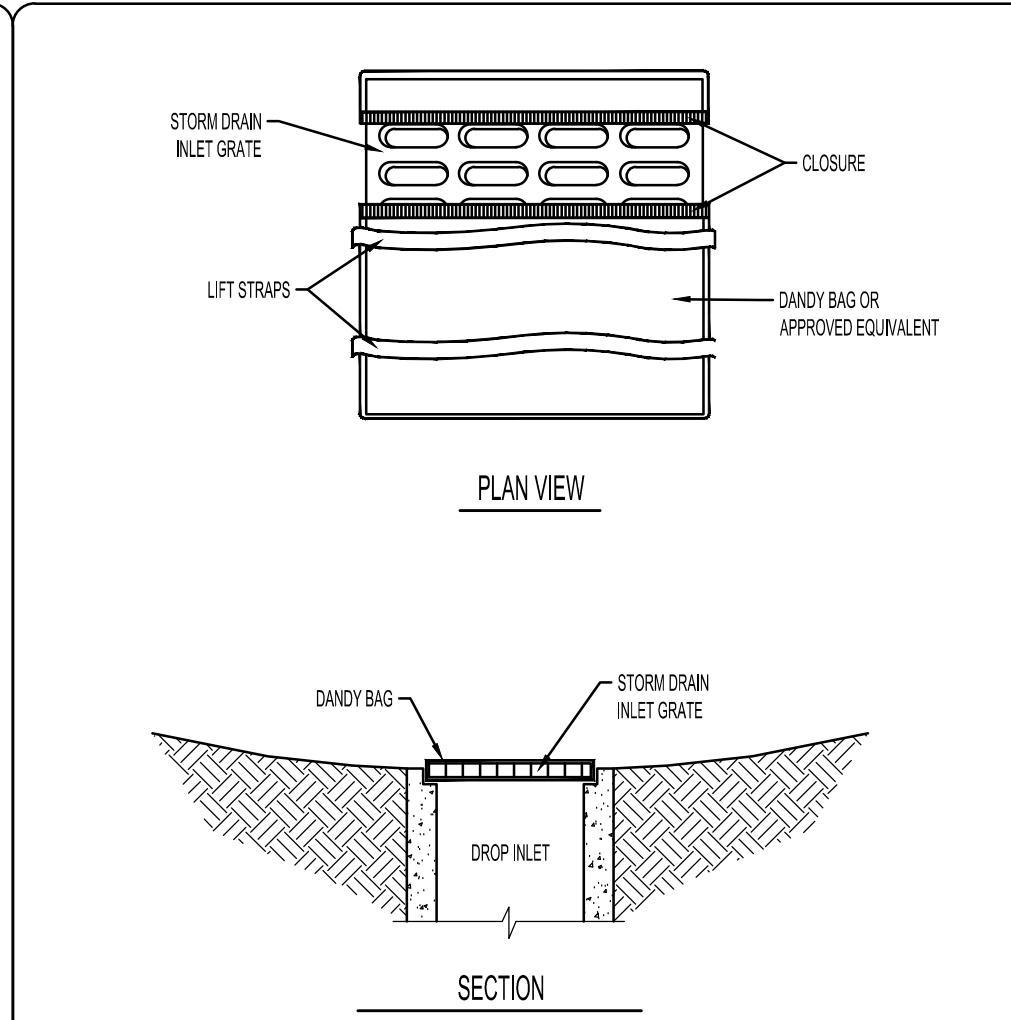
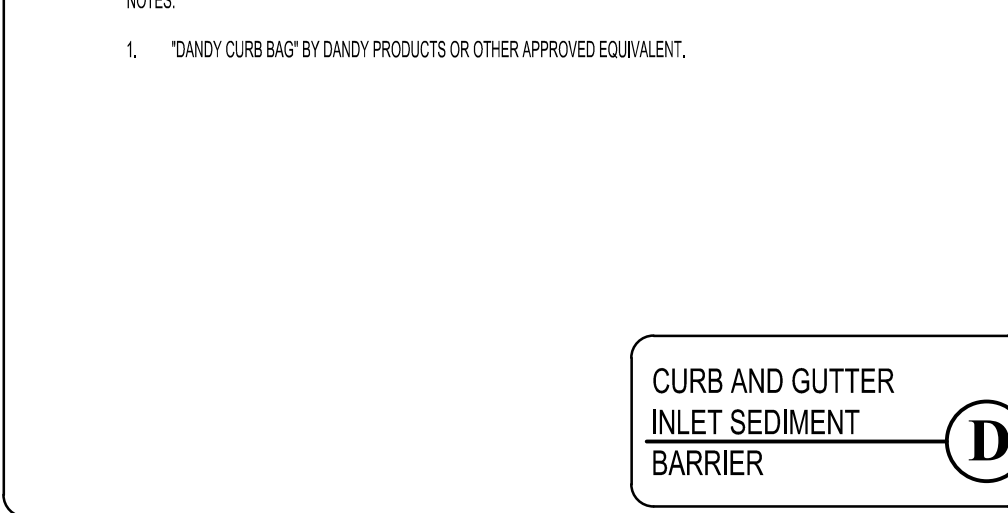
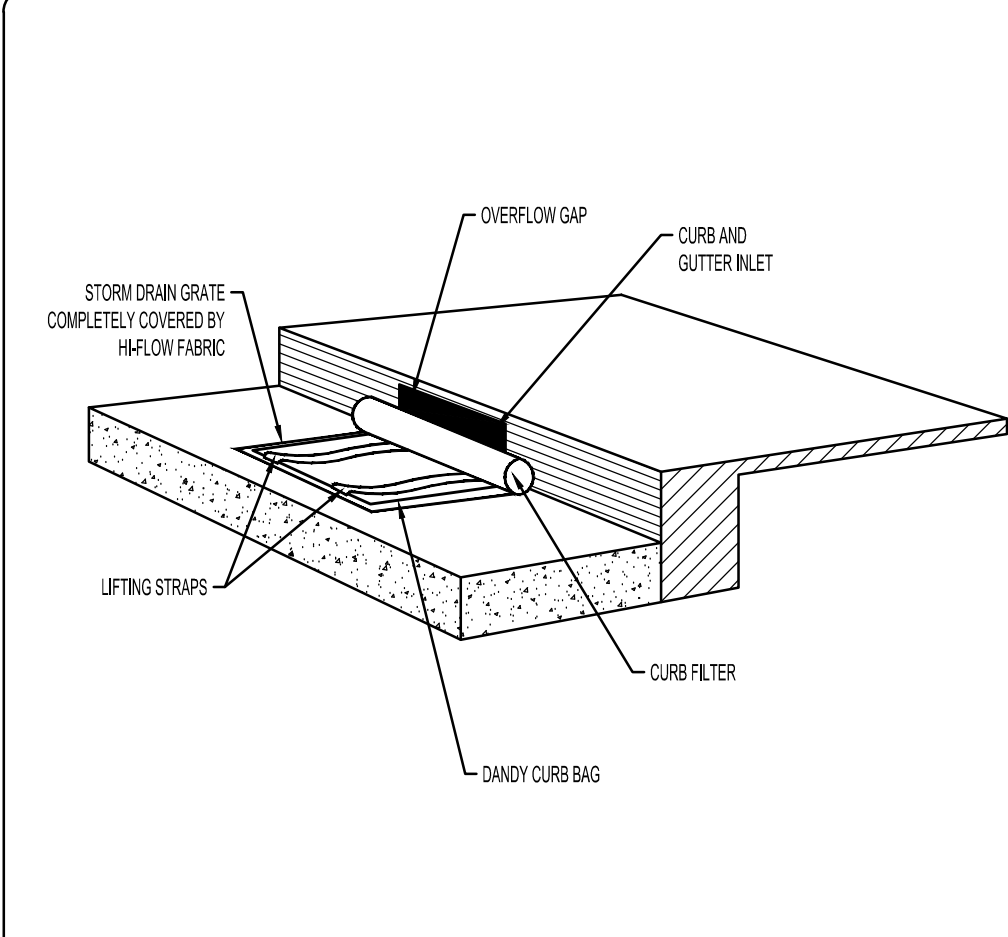
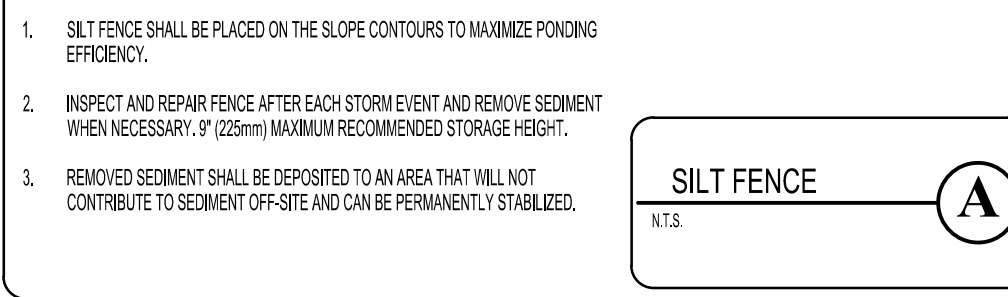
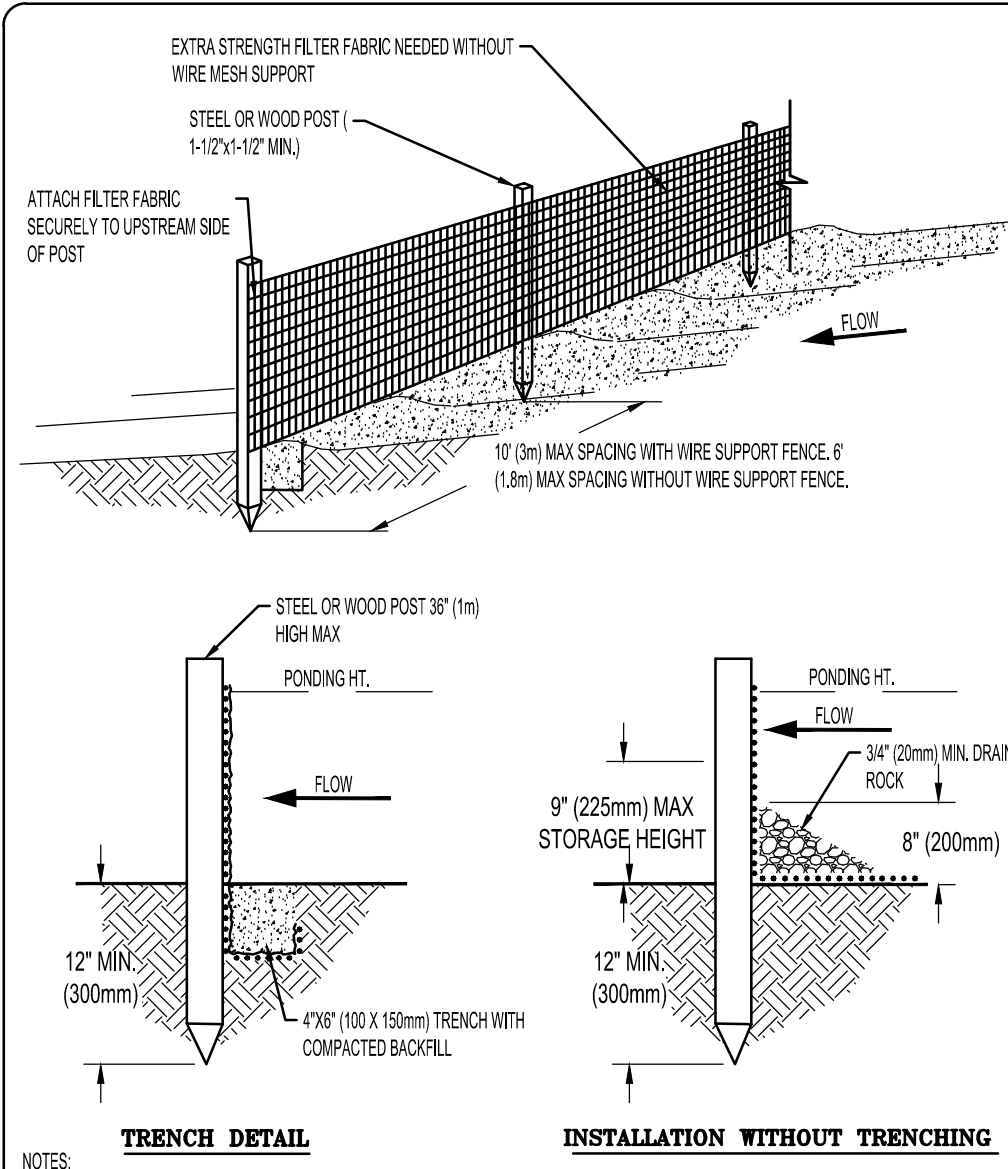
C500

SILT FENCES, INSTALLATION OF SILT FENCES NOTE:

- DIG OR TRENCH A FOUR INCH WIDE BY SIX INCH DEEP TRENCH, THE LENGTH OF THE SILT FENCE
- ROLL OUT SILT FENCE MATERIAL ALONG THE FRONT OF THE TRENCH SUCH THAT THE STAKES WILL BE ON THE DOWNSTREAM SIDE AND THE BOTTOM FLAP LAY IN THE TRENCH.
- STARTING AT ONE END, DRIVE THE FIRST STAKE AT LEAST 10 INCHES INTO THE GROUND. NOTE THAT THE STAKE MUST BE DRIVEN FAR ENOUGH INTO THE GROUND SO THAT 8 - 12 INCHES OF MATERIAL REMAINS IN THE GROUND.
- AT THE NEXT STAKE, PULL THE MATERIAL TAUT BEFORE DRIVING THE SECOND STAKE INTO THE GROUND. NOTE THAT THE STAKE MUST BE DRIVEN FAR ENOUGH INTO THE GROUND SO THAT 8 - 12 INCHES OF MATERIAL REMAINS IN THE GROUND.
- REPEAT STEP 4 UNTIL THE STAKES ARE DRIVEN INTO THE GROUND.
- WHEN ATTACHING TWO LENGTHS OF FENCE TOGETHER, DO THE FOLLOWING:
 - PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
 - ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION, TO CREATE A TIGHT SEAL WITH THE FENCE MATERIAL.
 - DRIVE BOTH POST INTO THE GROUND SO THAT 8 - 12 INCHES OF MATERIAL REMAINS IN THE GROUND.

EROSION CONTROL GENERAL NOTES:

- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. A REPRESENTATIVE OF THE CITY PUBLIC WORKS DEPARTMENT MAY REQUIRE ADDITIONAL CONTROL DEVICES UPON INSPECTION OF PROPOSED FACILITIES.
- ALL BEST MANAGEMENT PRACTICES AND EROSION CONTROL MEASURES ARE TO CONFORM TO THE CITY LAND DISTURBANCE DESIGN AND CONSTRUCTION STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STREETS CLEAN AND FREE FROM DEBRIS DEPOSITED BY TRAFFIC FROM THE SITE.
- ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE NEED TO BE PROTECTED FROM SITE RUNOFF. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AS INDIVIDUAL INLETS ARE INSTALLED.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PAVED, SEEDED WITH NATIVE VEGETATION OR LANDSCAPED. REFER TO LANDSCAPE PLANS FOR SEED MIX AND PLANTING SPECIFICATIONS.
- EROSION CONTROL STRUCTURES BELOW SLOPED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING ARE IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVEMENT AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
- CONTRACTOR SHALL USE VEHICLE TRACKING CONTROL AT ALL LOCATIONS WHERE VEHICLES WILL ENTER OR EXIT THE SITE. CONTROL FACILITIES SHALL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT WITH STORM WATER DISCHARGES FROM THE SITE.
- BLOWING DUST MUST BE CONTROLLED AT ALL TIMES. SITE WATERING SHALL BE USED TO CONTROL DUST. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS ABSOLUTELY PROHIBITED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, GRAVEL BAGS, ETC.) DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT.
- ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
- ALL MEASURES CONTAINED IN THIS PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT. ANY NEEDED CLEANING AND REPAIRS SHALL BE DONE IMMEDIATELY UPON DISCOVERY.
- ALL UTILITY LINES SHALL BE CLEANED OF DIRT AND DEBRIS PRIOR TO BEING PUT INTO SERVICE. DOWN-GRADE LINES MUST BE PROTECTED FROM WASH-WATER DURING THE CLEANING TO AVOID CONTAMINATION AND COMPROMISING OUTFALL CLEANLINESS.



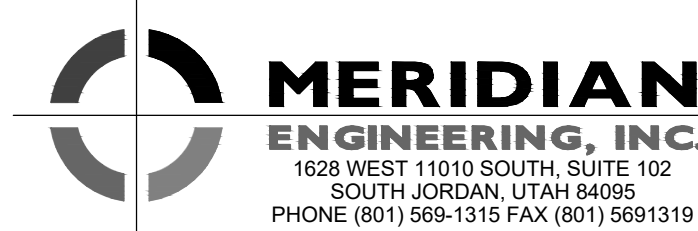
LIMIT OF DISTURBANCE NOTES:

- THE LIMITS OF DISTURBANCE (L.O.D.) TO BE FIELD MARKED.
- FIELD VERIFICATION OF AN L.O.D. BY CITY ENGINEERING.
- PRECONSTRUCTION EROSION AND SEDIMENT CONTROL MEETING REQUIRED PRIOR TO ANY DISTURBANCE. THE REQUIRED ATTENDEES WILL BE DEVELOPER'S PROJECT MANAGER, CONSTRUCTION COMPANY'S ON SITE MANAGER.
- MODIFICATION OF L.O.D. AS REQUIRED BY RESULTS OF PRECONSTRUCTION MEETING.
- THE CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM THE CITY CERTIFYING THE L.O.D., DUST CONTROL, AND TREE PROTECTION HAS BEEN REVIEWED AND APPROVED PRIOR TO WORK BEGINNING.

CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES NOTES:

- CONTRACTOR WILL PERFORM EARTHWORK IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS, CITY EROSION, SEDIMENT, REVEGETATION REQUIREMENTS AND THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY.
- THE CONTRACTOR WILL PERFORM EARTHWORK IN ACCORDANCE WITH THE PROJECT EARTHWORK SPECIFICATIONS AND THE EARTHWORK RECOMMENDATIONS FOUND IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED FOR THIS PROJECT. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE DOCUMENTS MENTIONED NOTE 2) AND THE CITY'S EROSION AND SEDIMENT CONTROL REQUIREMENTS OR THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY, THE CITY'S REQUIREMENTS AND THE STATE REQUIREMENTS WILL CONTROL.
- L.O.D. BARRIERS WILL BE PROPERLY INSTALLED PRIOR TO ANY DISTURBANCE. L.O.D. BARRIERS ARE DEFINED AS SILT FENCE AND ENVIRONMENTAL FENCE.
- INSTALL SILT FENCE ON ALL DOWNHILL SIDE OF L.O.D. SEE DETAIL AND SILT FENCE NOTES FOR CORRECT INSTALLATION PROCEDURE.
- ENVIRONMENTAL FENCES ARE TO BE INSTALLED ON ALL UPHILL SIDE OF L.O.D.
- THE L.O.D. SILT FENCE BARRIERS DO NOT REPLACE OR FUNCTION AS SEDIMENTATION B.M.P.S. ADDITIONAL SEDIMENT (BEST MANAGEMENT PRACTICES) B.M.P.S WILL BE REQUIRED AS SHOWN ON THE PLANS OR AS REQUIRED BY THE CITY THROUGHOUT THE PROJECT AS UNFORESEEN SITUATIONS OCCUR.
- WITHIN THE SAME WORKING DAY SOIL IS DISTURBED ALL SEDIMENT CONTROL B.M.P.S. WILL BE INSTALLED. AN EXAMPLE OF SEDIMENT CONTROL B.M.P. IS A SILT FENCE OR A TEMPORARY SEDIMENTATION BASIN. EXISTING VEGETATION WILL NOT BE BURIED. THE METHOD OF DISPOSAL WILL BE SUBMITTED AND APPROVED BY THE CITY.
- INSTALL ALL SEDIMENTATION BASINS AS SHOWN ON PLANS AND AS DIRECTED BY THE CITY.
- DUST CONTROL MEASURES WILL BE ON SITE AND IN WORKING ORDER WHEN SOIL IS DISTURBED. DUST CONTROL WILL BE USED 24 HOURS SEVEN DAYS PER WEEK UNTIL SOIL IS RESEEDED AND PROTECTED. WATER USED TO CONTROL DUST WILL CONTAIN CALCIUM CHLORIDE OR SIMILAR ADDITIVE. THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY DOES NOT REPLACE THE CALCIUM CHLORIDE REQUIREMENT.
- INSTALL IMPROVEMENTS AS SHOWN ON THE APPROVED CONSTRUCTION PLANS.
- ALL DISTURBED SOIL WILL BE MADE STABLE AS WITHIN 21 DAYS OF DISTURBANCE.
- TEMPORARY AND PERMANENT SEDIMENT BEST MANAGEMENT PRACTICES WILL REMAIN FUNCTIONAL AT ALL TIMES THROUGH THE ENTIRE PROJECT AND UNTIL ALL DISTURBED SOIL HAS BEEN STABILIZED TO PREVENT EROSION. WRITTEN APPROVAL MUST BE OBTAINED FROM THE CITY CERTIFYING ALL DISTURBED SOIL IS STABLE BEFORE ABANDONING SEDIMENTATION BEST MANAGEMENT PRACTICES.
- IF THE EXISTING GRADES ARE DIFFERENT THAN WHAT IS SHOWN ON THE GRADING PLAN, STOP WORK AND NOTIFY THE CITY.
- IF THE PROJECT REQUIRES EXPORT OR IMPORT MATERIAL TO ACHIEVE A BALANCED SITE, THE CONTRACTOR IS TO KEEP OFFSITE ROADS CLEAN AT ALL TIMES. FAILURE TO KEEP STREETS CLEAN WILL RESULT IN A MANDATORY WORK STOP ORDER BEING ISSUED ON THE IMPORT/EXPORT OPERATION.
- THE PROJECT CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PAVED STREETS ADJACENT TO OR ABUTTING THE GRADING PROJECT CLEAN AND FREE OF DIRT, MUD, AND DEBRIS AT ALL TIMES. WHEREAS THIS IS A PUBLIC HEALTH AND SAFETY ISSUE. FAILURE TO COMPLY WILL RESULT IN A MANDATORY WORK STOP ORDER BEING ISSUED OVER THE ENTIRE PROJECT, INCLUDING COMMERCIAL AND RESIDENTIAL CONSTRUCTION PROJECTS.
- THE CONTRACTOR WILL PROVIDE ADDITIONAL TEMPORARY EROSION CONTROL PLANS, AND PERMITS AS REQUIRED BY THE CITY, THE COUNTY AND THE STATE OF UTAH AS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT.
- FAILURE TO FOLLOW THE SEQUENCE OF CONSTRUCTION SHALL RESULT IN THE ISSUANCE OF A WORK STOP ORDER BEING ISSUED.
- CONCRETE TRUCKS TO USE PRE-ASSIGNED WASH OUT AREA. CONCRETE TRUCKS ARE NOT TO BE CLEANED OUT OR WASHED DOWN IN THE PUBLIC RIGHT-OF-WAY.
- PORTABLE TOILETS TO BE LOCATED ADJACENT TO CONTRACTOR TRAILER. TOILETS SHALL BE MAINTAINED BY CONTRACTOR.
- CONSTRUCTION WASTE BIN TO BE LOCATED NEAR CONTRACTOR TRAILER. ALL CONSTRUCTION WASTE TO BE PLACED IN WASTE BIN.
- ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES (B.M.P.S) ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
- CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES



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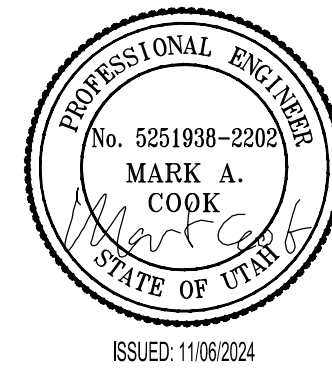
REVISION	DATE	DESCRIPTION

ARCHIPLEX GROUP
ARCHITECTURAL SERVICES

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BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

CONCEPTUAL MULTI-USE BUILDING

4255 S. REDWOOD RD. TAYLORSVILLE, UT



EROSION CONTROL
DETAILS

C510