

DEMOLITION GENERAL NOTES

- 1. CONTRACTOR SHALL COORDINATE ALL WORK WITH BUTLER COUNTY AND ALL UTILITY PROVIDERS LOCATED ON-SITE AND IN THE RIGHT OF WAY.
2. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK PER BUTLER COUNTY PROJECT SPECIFICATIONS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL OHIO UTILITY PROTECTION SERVICE AND THEN TO CONTACT ALL UTILITY COMPANIES TO SCHEDULE UTILITY SERVICE REMOVAL AND/OR ABANDONMENT.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE 2012 ODOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND BUTLER COUNTY PROJECT SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL AND DISPOSAL, IN A LOCATION APPROVED BY THE GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FOUNDATIONS, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOB SITE SAFETY PER OSHA REQUIREMENTS. AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION, CONTRACTOR SHALL PROVIDE SAFETY RAILINGS AT ALL AREAS WHERE FALL PROTECTION IS REQUIRED.
7. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
8. SAWCUT AND REMOVE TO FULL DEPTH AT ALL PAVEMENT/SIDEWALK LIMITS OR TO EXISTING JOINTS.
9. CONTRACTOR SHALL MAINTAIN A WELL-DRAINED SITE, FREE OF STANDING WATER DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DRAINAGE MEASURES DURING CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING CONSTRUCTION FENCE, SIGNS, ETC. TO WARN AND KEEP UNAUTHORIZED PEOPLE OFF SITE FOR THE DURATION OF THE PROJECT.
11. EXTENT OF DEMOLITION WORK IS NOT LIMITED TO ONLY WHAT IS SHOWN TO BE DEMOLISHED ON THIS PLAN. DEMOLITION WORK MUST BE COMPLETE SO THE PROPOSED STRUCTURES AND APPURTENANCES CAN BE CONSTRUCTED.
12. ALL POTENTIALLY HAZARDOUS/TOXIC MATERIALS MUST BE REMOVED FROM THE SITE PRIOR TO DEMOLITION, AND PER DIRECTION OF ENVIRONMENTAL ENGINEER.
13. THE REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
14. FEDERAL, STATE AND LOCAL CODE REQUIREMENTS SHALL CONTROL THE DISPOSAL OF DEBRIS RESULTING FROM THE REMOVAL OPERATION.
15. ALL MATERIALS AND STRUCTURES DESIGNATED AS "TO BE REMOVED" SHALL BE DISPOSED OF OFF SITE AND AT THE COST OF THE CONTRACTOR.
16. DEAD SEWER CONNECTIONS OR MAINS BEING REMOVED SHALL BE REMOVED TO THE RIGHT OF WAY (UNLESS PLANS OR THE SANITARY ENGINEER SPECIFY OTHERWISE) AND SEALED AND MADE WATERTIGHT.
17. ALL TRENCHES, HOLES AND PITS RESULTING FROM THE REMOVAL AND ABANDONMENT OF ANY STRUCTURE OR OBSTRUCTION SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
18. TREE REMOVAL AND CLEARING AND GRUBBING SHALL BE PERFORMED PER FEDERAL, STATE AND LOCAL CODE REQUIREMENTS. STUMP SHALL BE REMOVED COMPLETELY, INCLUDING ALL ROOTS.
19. THE CONTRACTOR SHALL STRIP AND REMOVE (OR STOCKPILE) ALL TOPSOIL PRIOR TO COMMENCING WITH ANY EXCAVATION OR DEMOLITION.
20. EXISTING UTILITIES NOT TO BE UTILIZED BY THE NEW DEVELOPMENT SHALL BE CAPPED BY THE CONTRACTOR.

SITE GENERAL NOTES

- 1. ALL DIMENSIONS ARE MEASURED TO THE BACK OF CURB OR FACE OF BUILDING.
2. ALL LIGHT POLES TO BE LOCATED 3' FROM THE BACK OF CURB, AS MEASURED FROM THE FACE OF POLE FOUNDATION, UNLESS OTHERWISE DENOTED ON PLANS.
3. ALL SIGNAGE SHALL COMPLY WITH THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (O.M.U.T.C.D.)
a. STOP SIGN
b. DO NOT ENTER
4. ALL PAVEMENT MARKINGS AND STRIPING SHALL COMPLY WITH ODOT AND THE OHIO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (O.M.U.T.C.D.)
a. LANE LINE: 6" WHITE
b. WORDING/LANE USE ARROWS AND HANDICAP AREA: WHITE
c. PARKING STALLS: 4" YELLOW
d. STOP LINE: 12" WHITE
5. BOLLARDS SHALL BE PLACED PER PLAN.
6. NEW CURB AND GUTTER ALONG EXISTING STREETS TO MATCH EXISTING CURB AND GUTTER IN KIND. IF UNDER DRAIN EXISTS, IT SHALL BE REPLACED.

GRADING GENERAL NOTES

- 1. CONTRACTOR SHALL CONSTRUCT SIDEWALKS SUCH THAT 2% IS THE MAXIMUM CROSS SLOPE, AND 5% IS THE MAXIMUM TRANSVERSE SLOPE, AND CURB RAMPS SHALL BE CONSTRUCTED PER DETAILS IN THESE PLANS, AND THE MAXIMUM SLOPES SHALL NOT BE EXCEEDED. FORMS SHALL BE PLACED FOR SIDEWALK AREA, AND THE SLOPES ARE TO BE VERIFIED PRIOR TO PLACING CONCRETE. IF SLOPES BECOME AN ISSUE, CONTRACTOR SHALL CONTACT THE ENGINEER.
2. CURB AND GUTTER SHALL PITCH OUT WHERE GRADING IS SLOPED AWAY FROM THE CURB AND SHALL PITCH IN WHEN GRADING IS SLOPED TOWARDS THE CURB. THE PITCH OF THE GUTTER SHALL MATCH PARKING LOT GRADES.
3. UNLESS OTHERWISE NOTED, ALL SPOT ELEVATIONS SHOWN ARE PAVEMENT ELEVATIONS.

PLANTING GENERAL NOTES:

- 1. ALL PLANT MATERIAL SHALL BE NORTHERN NURSERY GROWN NO. 1 GRADE AND INSTALLED ACCORDING TO ACCEPTED PLANTING PROCEDURES. ALL PLANT MATERIALS SHALL MEET CURRENT AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. DO NOT PLANT MATERIALS UNTIL DIRECTED BY OWNER/CONSTRUCTION MANAGER. THE OWNER RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL, FOR ANY REASON BEFORE OR AFTER IT IS INSTALLED.
2. SIZES SPECIFIED ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE INSTALLED. ANY PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE MUNICIPALITY AND OWNER.
3. ALL LANDSCAPING SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MUNICIPAL STANDARDS AND IN ACCORDANCE WITH CURRENT INDUSTRY STANDARDS IN A NEAT, HEALTH AND WEED FREE CONDITION. ANY DEAD, DISEASED OR DAMAGED PLANT MATERIALS ARE TO BE REPLACED IMMEDIATELY AFTER NOTIFIED TO DO SO. PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR AFTER PLANTING AND ACCEPTANCE.
4. PLANT TREES AND SHRUBS IN ACCORDANCE WITH PLANTING DETAILS. DIG TREE PITS PER DETAILS. PLANT TREES AND SHRUBS AT THE SAME GRADE LEVEL AT WHICH THEY WERE GROWN AT THE NURSERY. IF HEAVY CLAY SOILS ARE EVIDENT, PLANT TREES AND SHRUBS HIGHER, APPROX. 1/4 OF THE ROOT BALL ABOVE GRADE.
5. REMOVE ALL TWINE, WIRE, NURSERY TREE GUARDS, TAGS AND INORGANIC MATERIAL FROM ROOT BALLS. REMOVE THE TOP 1/3 OF BURLAP FROM EARTH BALLS AND REMOVE BURLAP FROM AROUND TRUNK.
6. BRICK CHIPS OR WASHED GRAVEL IS REQUIRED FOR ALL PLANTINGS AND PLANTING BEDS.
7. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES. IF A CONFLICT WITH UTILITIES EXISTS, NOTIFY OWNER/CONSTRUCTION MANAGER PRIOR TO PLANTING.

UTILITY GENERAL NOTES:

- 1. COORDINATE ALL SITE UTILITY WORK WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.
2. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY CONTRACTOR'S WORK FORCE.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED TO PERFORM THE WORK PROPOSED ON THESE PLANS.
4. EXISTING AND PROPOSED GAS, ELECTRIC, TELEPHONE ASSUMED TO BE 36" COVER
5. CONTRACTOR TO ENSURE MIN. 10' FOOT HORIZONTAL AND 18" VERTICAL CLEARANCE BETWEEN WATER AND SANITARY/STORM LINES.
6. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

STORM SEWER GENERAL NOTES:

- 1. ALL STORM SEWER PIPES SHALL BE MANUFACTURED WITH INTEGRAL BELL AND SPIGOT JOINTS INCLUDING A GASKET, SO AS TO PROVIDE A WATERTIGHT SEAL.
2. ALL STORM SEWER PIPES SHALL BE PVC SDR 35 WATERTIGHT PIPE CONFORMING TO ASTM SPECIFICATION D3034, UNLESS DENOTED OTHERWISE ON PLANS.
3. CONNECTIONS TO STRUCTURES SHALL BE MADE WATERTIGHT WITH NON-SHRINKING AND NON-CORROSIVE GROUT.

WATER GENERAL NOTES:

- 1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO BUTLER COUNTY SANITARY ENGINEER FOR PIPE, FITTINGS, JOINTS, HYDRANTS, VALVES AND BOXES, TAPPING SADDLES, AND CORPORATION STOPS.
2. WATER SERVICE MATERIAL LARGER THAN 2" SHALL BE DUCTILE IRON IN CONFORMANCE WITH ANSI A21.51 (AWWA C151) DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND LINED MOLDS, FOR WATER OR OTHER LIQUIDS AND ANSI A21.50 (AWWA C150) THICKNESS DESIGN OF IRON PIPE. ALL SERVICE LINES 2" OR LESS SHALL BE COPPER TYPE K. SIZE TO BE AS NOTED IN PLAN VIEW. SERVICE CONNECTION TO HAVE MINIMUM COVER OF 60" COVER.
3. ALL FITTINGS SHALL BE DUCTILE IRON IN CONFORMANCE WITH AWWA C110 OR AWWA C153. ALL FITTINGS SHALL BE RATED FOR 350 PSI WORKING PRESSURE, HAVE MECHANICAL JOINTS AND BE COATED AND CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104. ALL BOLTS AND NUTS SHALL BE COR-TEN.
4. A TEN FEET MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND SANITARY SEWER.
5. AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND SANITARY SEWER AT ALL CROSSINGS.
6. A TEN FEET MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND STORM SEWER.
7. AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND STORM SEWER AT ALL CROSSINGS.

SWPPP GENERAL NOTES

- 1. ALL EROSION AND SEDIMENTATION CONTROL SHALL BE PERFORMED ACCORDING TO: SWPPP AND DETAIL PLANS; ACCORDING TO THE LATEST EPA AUTHORIZATION FOR CONSTRUCTION ACTIVITY UNDER THE "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES); ANY AND ALL REQUIRED PERMITS, REPORTS, AND RELATED DOCUMENTS. ALL CONTRACTORS AND SUBCONTRACTORS MUST BECOME FAMILIAR WITH ALL OF THE ABOVE.
2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AND GRADE CHANGES TO THE SITE AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
3. CONTRACTOR SHALL MINIMIZE CLEARING AND DISTURBANCE TO THE ENVIRONMENT TO THE MAXIMUM EXTENT POSSIBLE OR AS REQUIRED BY THE GENERAL PERMIT.
4. SEDIMENT STRUCTURE AND PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING WITHIN SEVEN (7) DAYS FROM THE START OF CLEARING AND GRUBBING, AND SHALL CONTINUE TO FUNCTION UNTIL THE SLOPE DEVELOPMENT AREA IS RE-STABILIZED.
5. PERMANENT SOIL STABILIZATION OF DISTURBED AREAS BY MEANS OF VEGETATION, LANDSCAPE TYPE MULCHING, MATTING, SOD, RIP RAP, AND OTHER APPROVED LANDSCAPING TECHNIQUES TO BE APPLIED AS FOLLOWS:
• WITHIN SEVEN (7) DAYS OF ANY AREA THAT WILL BE DORMANT FOR ONE (1) YEAR OR MORE.
• WITHIN TWO (2) DAYS OF ANY AREA WITHIN 50 FEET OF A STREAM AT FINAL GRADE.
• WITHIN SEVEN (7) DAYS FOR ANY OTHER AREA AT FINAL GRADE.
6. TEMPORARY SOIL STABILIZATION OF DISTURBED AREAS BY MEANS OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION, AND OTHER APPROVED TECHNIQUES TO BE APPLIED AS FOLLOWS:
• WITHIN TWO (2) DAYS OF ANY AREA WITHIN 50 FEET OF A STREAM NOT AT FINAL GRADE.
• WITHIN SEVEN (7) DAYS OF ANY AREA THAT WILL BE DORMANT FOR MORE THAN TWENTY ONE (21) DAYS, BUT LESS THAN ONE (1) YEAR.
• PRIOR TO THE ONSET OF WINTER WEATHER FOR AREAS THAT WILL BE IDLE OVER WINTER.
7. TEMPORARY SEEDING, MULCHING, AND FERTILIZER SPECIFICATIONS:
SEEDING: ANNUAL RYEGRASS AT 2.02 POUNDS PER 1,000 S.F.
MULCHING: STRAW MATERIAL SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT A RATE OF TWO (2) TON/ACRE, OR 80-100 POUNDS PER 1,000 S.F. MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITIVE NOXIOUS WEEDS. MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICAL MEANS. FROM NOVEMBER 01 THRU MARCH 15 INCREASE THE RATE OF STRAW MULCH TO THREE (3) TON/ACRE.
FERTILIZER: APPLY FERTILIZER AT HALF THE RATE OF PERMANENT APPLICATION AND AS PER ODOT SPECIFICATIONS. IF PROJECT CONDITIONS PREVENT FERTILIZING THE SOIL, THEN THIS ITEM MAY BE WAIVED.
8. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. ALL SLOPES 3:1 OR GREATER THAN 3:1 SHALL BE FERTILIZED, SEED, AND CURLEX BLANKETS BY AMERICAN EXCELSIOR COMPANY, NORTH AMERICAN GREEN, INC. OR AN APPROVED EQUAL AS SPECIFIED IN THE PLANS SHALL BE INSTALLED ON THE SLOPES.
9. NO SOLID (OTHER THAN SEDIMENT) OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF. ALL NON-SEDIMENT POLLUTANTS MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN DESIGNATED PIT OR DIKED AREAS, WHERE WASHINGS CAN BE REMOVED AND PROPERLY DISPOSED OFF-SITE WHEN THEY HARDEN. STORAGE TANKS SHOULD ALSO BE LOCATED IN PIT OR DIKED AREAS. IN ADDITION, SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS TO CLEAN AND CONTAIN FUEL AND CHEMICAL SPILLS MUST BE KEPT ON SITE.
10. IF THE ACTION OF VEHICLES TRAVELING OVER THE STABILIZED CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE MOST OF THE DIRT AND MUD, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DISPOSED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE SITE THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. DUST CONTROL USING APPROVED MATERIALS MUST BE PERFORMED AT ALL TIMES. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
13. ON-SITE AND OFF-SITE STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION BY THE USE OF BEST MANAGEMENT PRACTICES. THESE AREAS MUST BE SHOWN IN THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS. AT A MINIMUM SILT FENCE TO BE PLACED AT PERIMETER OF STOCKPILE AREA TO PREVENT SOIL FROM LEAVING THE STOCKPILE AREA.
14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE ROADWAYS OR INTO THE STORM SEWERS MUST BE REMOVED IMMEDIATELY.
15. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH DAY; THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR ASPHALT FOR ROAD CONSTRUCTION.
16. THE LAST LAYER OF SOIL, INCLUDING TOP SOIL, SHOULD BE COMPACTED TO 80% - 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY, IN AREAS OUTSIDE THE PARKING LOT THAT WILL RECEIVE VEGETATION. THIS IS PARTICULARLY IMPORTANT IN CUT SLOPE AND EMBANKMENT AREAS. IN PAVEMENT AND ISLAND AREAS, IT IS RECOMMENDED THAT THE SOIL BE COMPACTED TO 98% AND 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY RESPECTIVELY; THE LAST COMPACTED LAYER MAY BE SCARIFIED TO IMPROVE THE SOIL GROWTH CHARACTERISTICS.
17. ALL DEWATERING ACTIVITIES SUCH AS PUMPING DOWN OF FLOODED FOUNDATION AND UTILITY TRENCHES MUST PASS THROUGH THE RETROFITTED DETENTION BASIN OR A SEDIMENT CONTROL PRACTICE PRIOR TO LEAVING THE SITE.
18. SILT FENCE AND OTHER PERIMETER EROSION CONTROL MEASURES SHOWN OFF LIMITS OF DISTURBANCE FOR CLARITY PURPOSES ONLY. CONTRACTOR TO ENSURE PERIMETER EROSION CONTROL MEASURES ARE PLACED AT THE LIMITS OF DISTURBANCE. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ENGINEER PRIOR TO PLACEMENT OF ANY EROSION CONTROL MEASURES.
19. CONTRACTOR TO OBTAIN A COMMERCIAL LOT EROSION & SEDIMENT CONTROL PERMIT FROM BUTLER COUNTY STORMWATER DISTRICT DURING BUILDING PERMIT REVIEW. PERMIT APPLICATION CAN BE DOWNLOADED FROM WWW.STORMWATERDISTRICT.ORG

SWPPP MAINTENANCE NOTES

- 1. ALL CONTROL MEASURES STATED IN THE SWPPP SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE SITE IS ACHIEVED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY A QUALIFIED PERSON IN ACCORDANCE TO THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED ACCORDING TO THE FOLLOWING:
2. INLET PROTECTION DEVICES AND CONTROLS SHALL BE REPAIRED OR REPLACED WHEN THEY SHOW SIGNS OF UNDERMINING AND OR DETERIORATION. INLET PROTECTION DEVICES SHOULD BE ROUTINELY CLEANED AND MAINTAINED.
3. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STANDING OF GRASS IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEDED AS NEEDED.
4. MINIMIZE OFF-SITE SEDIMENT TRACKING OF VEHICLES BY THE USE OF STONE MATERIAL IN ALL CONSTRUCTION ENTRANCES, ALONG WITH REGULARLY SCHEDULED SWEEPING/GOOD HOUSEKEEPING. STABILIZED CONSTRUCTION ENTRANCES TO BE PROPERLY MAINTAINED BY GENERAL CONTRACTOR AND IN GOOD WORKING ORDER AT ALL TIMES. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE STONE AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE) BY GENERAL CONTRACTOR. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. CONTRACTORS AND SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ALL SEDIMENT FROM THE SITE, AND STORM SEWER SYSTEMS. SEDIMENT DEPOSITION DURING SITE STABILIZATION MUST ALSO BE REMOVED.
7. STONE CONSTRUCTION EXIT TO BE MAINTAINED BY GENERAL CONTRACTOR UNTIL SITE HAS BEEN PAVED OR IS NO LONGER REQUIRED.
8. ALL CATCH BASIN GRATES ARE TO BE PROTECTED WITH INLET BAGS AFTER THEY ARE INSTALLED. THEY SHOULD BE ROUTINELY CLEANED AND MAINTAINED.
9. CONTAINERS SHALL BE AVAILABLE FOR DISPOSAL OF DEBRIS, TRASH, HAZARDOUS OR PETROLEUM WASTES. ALL CONTAINERS MUST BE COVERED AND LEAK-PROOF. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THE PERTINENT MATERIAL.
10. BRICKS, HARDENING CONCRETE AND SOIL WASTE SHALL BE FREE FROM CONTAMINATION WHICH MAY LEACH CONSTITUENTS TO WATERS OF THE STATE.
11. CLEAN CONSTRUCTION WASTES THAT WILL BE DISPOSED INTO THE PROPERTY SHALL BE SUBJECT TO ANY LOCAL PROHIBITIONS FROM THIS TYPE OF DISPOSAL.
12. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&D) WASTE SHALL BE DISPOSED OF IN AN APPROVED C&D LANDFILL. ALSO, MATERIALS WHICH CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS.
13. AREA SHALL BE DESIGNATED BY CONTRACTOR AND SHOWN ON SWPPP MAP FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME ASPHALT, OR CONCRETE. THESE DESIGNATED AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORMWATER DRAINAGE AREA.
14. EQUIPMENT FUELING & MAINTENANCE SHALL BE IN DESIGNATED AREAS ONLY.
15. A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST BE DEVELOPED FOR SITES WITH ONE ABOVE-GROUND STORAGE TANK OF 660 GALLONS OR MORE, TOTAL ABOVE-GROUND STORAGE OF 1,330 GALLONS OR BELOW-GROUND STORAGE OF 4,200 GALLONS OF FUEL.
16. ALL DESIGNATED CONCRETE WASHOUT AREAS SHALL BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS OR OTHER STORMWATER DRAINAGE AREAS.
17. ALL CONTAMINATED SOIL MUST BE TREATED AND/OR DISPOSED IN AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITIES.
18. THE CONTRACTOR SHALL CONTACT THE OHIO EPA, THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE IN THE EVENT OF A PETROLEUM SPILL (>25 GALLONS) OR THE PRESENCE OF SHEEN.
19. OPEN BURNING IS NOT PERMITTED ON THE SITE.
20. CONTRACTOR TO ENSURE STREETS SHALL BE CLEARED OF DEBRIS FROM SITE AND SWEEPED CLEAN ON AN AS NEEDED BASIS.

Table with 3 columns: ITEM, QUANTITY, UNIT. Rows include concrete pavement, curbs, sidewalks, detention systems, water main, sewer service, storm piping, storm downspout, sanitary sewer cleanout, storm sewer cleanout, grease trap, storm structures, NYLOPLAST 30" manhole, water quality device, earthwork cut & haul, earthwork cut & respread, earthwork import & place, 6' tall chain link fence, sod area, seed area, asphalt pavement demolition, concrete pavement demolition, gravel demolition, building demolition (frame garage, one and one-half story home, one-story frame commercial, two-story frame commercial).

*CONTRACTOR TO PROVIDE A COMPLETE QUANTITIES TABLE PER THE CONSTRUCTION DOCUMENTS, QUANTITIES PROVIDED AS PART OF THIS SUMMARY ARE FOR REFERENCE PURPOSES ONLY AND ARE NOT A BASIS FOR CHANGE ORDER IF ADDITIONAL QUANTITY IS INSTALLED AS PART OF THE ORIGINAL BID DOCUMENTS.

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REVISION DESCRIPTION

NO. DATE



CASEY'S GENERAL STORES

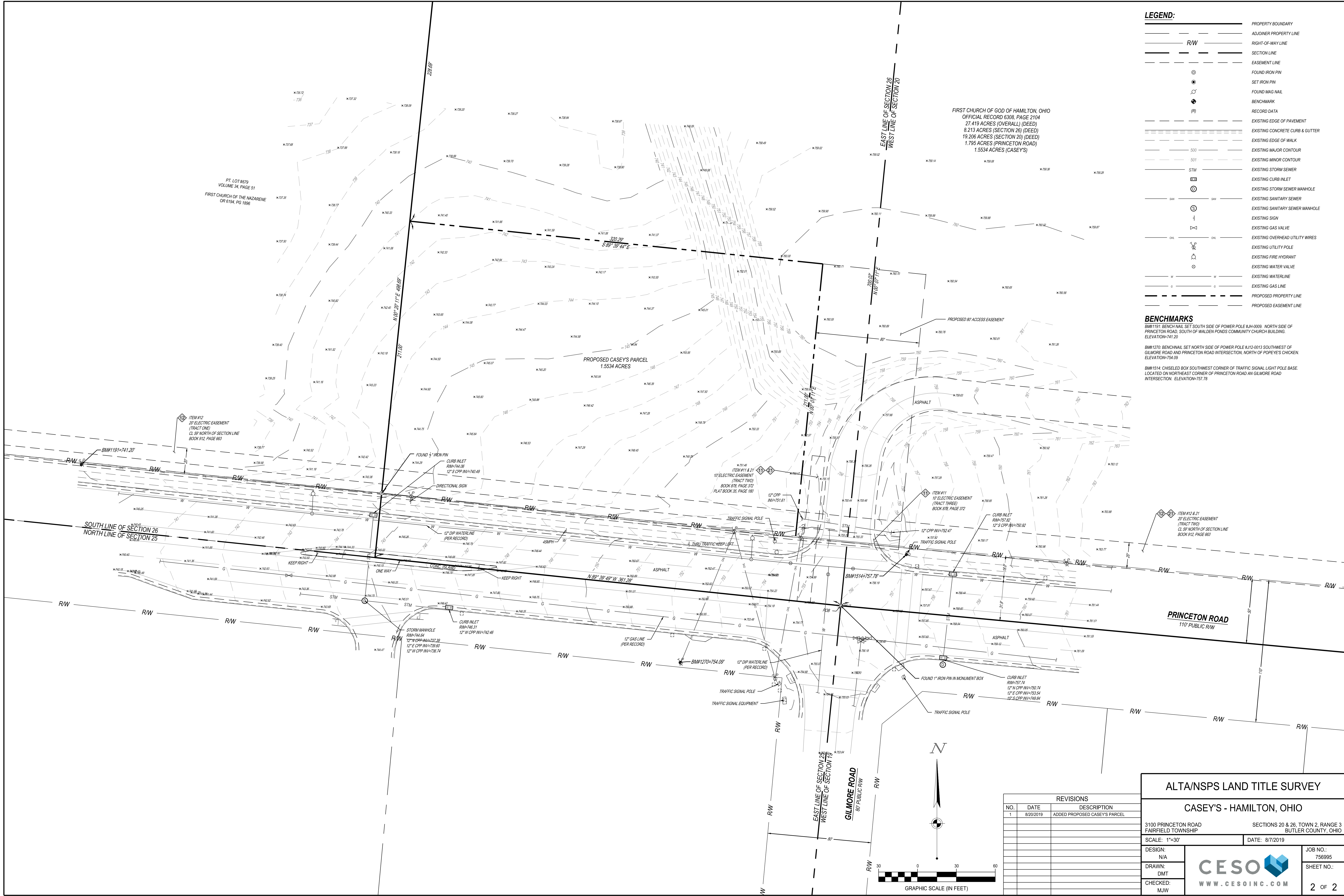
HAMILTON, OH

PRINCETON RD HAMILTON, OH 45011

GENERAL NOTES

ISSUE: CIVIL PERMIT SET
DATE: 05.19.2021
JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: J/L

SHEET NO. C-002



LEGEND:

---	PROPERTY BOUNDARY
---	ADJONER PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	SECTION LINE
---	EASEMENT LINE
⊙	FOUND IRON PIN
⊙	SET IRON PIN
⊙	FOUND MAG NAIL
⊙	BENCHMARK
(R)	RECORD DATA
---	EXISTING EDGE OF PAVEMENT
---	EXISTING CONCRETE CURB & GUTTER
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	EXISTING STORM SEWER
---	EXISTING CURB INLET
---	EXISTING STORM SEWER MANHOLE
---	EXISTING SANITARY SEWER
---	EXISTING SANITARY SEWER MANHOLE
---	EXISTING SIGN
---	EXISTING GAS VALVE
---	EXISTING OVERHEAD UTILITY WIRES
---	EXISTING UTILITY POLE
---	EXISTING FIRE HYDRANT
---	EXISTING WATER VALVE
---	EXISTING WATERLINE
---	EXISTING GAS LINE
---	PROPOSED PROPERTY LINE
---	PROPOSED EASEMENT LINE

BENCHMARKS

BM#1191: BENCH NAIL SET SOUTH SIDE OF POWER POLE #JH-009, NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING. ELEVATION=741.20

BM#1270: BENCHMARK SET NORTH SIDE OF POWER POLE #J12-0013 SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEY'S CHICKEN. ELEVATION=754.09

BM#1514: CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE. LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AN GILMORE ROAD INTERSECTION. ELEVATION=757.78

FIRST CHURCH OF GOD OF HAMILTON, OHIO
 OFFICIAL RECORD 6308, PAGE 2104
 27.419 ACRES (OVERALL) (DEED)
 8.213 ACRES (SECTION 26) (DEED)
 19.206 ACRES (SECTION 20) (DEED)
 1.795 ACRES (PRINCETON ROAD)
 1.5534 ACRES (CASEY'S)

PROPOSED CASEY'S PARCEL
 1.5534 ACRES

PRINCETON ROAD
 110' PUBLIC RW

GILMORE ROAD
 80' PUBLIC RW

REVISIONS

NO.	DATE	DESCRIPTION
1	8/20/2019	ADDED PROPOSED CASEY'S PARCEL

ALTANS/SPS LAND TITLE SURVEY

CASEY'S - HAMILTON, OHIO

3100 PRINCETON ROAD FAIRFIELD TOWNSHIP, OHIO SECTIONS 20 & 26, TOWN 2, RANGE 3 BUTLER COUNTY, OHIO

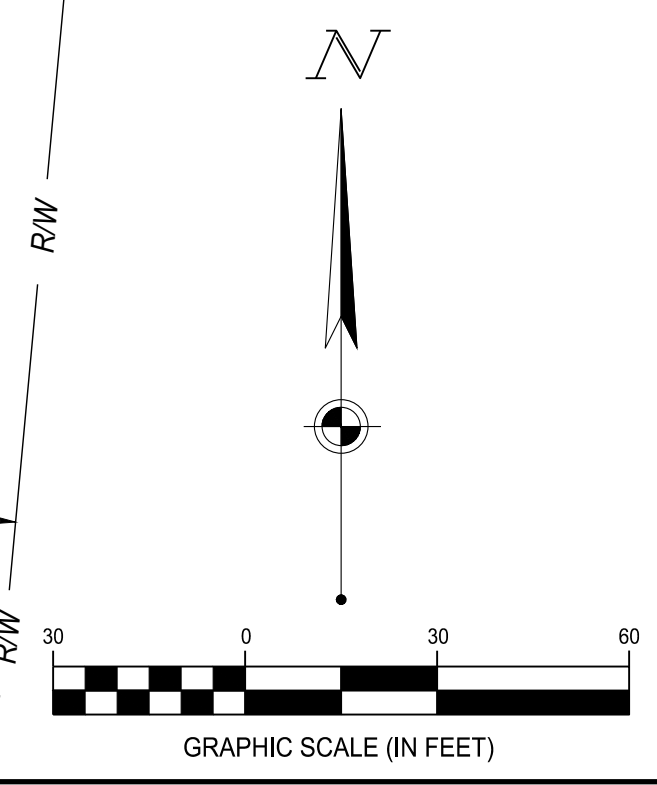
SCALE: 1"=30' DATE: 8/7/2019

DESIGN: N/A JOB NO.: 756995

DRAWN: DMT SHEET NO.:

CHECKED: MJW 2 OF 2

CESO
 WWW.CESOINC.COM



PT. LOT #679
 VOLUME 34, PAGE 51
 FIRST CHURCH OF THE NAZARENE
 OR 6194, PG 1896

ITEM #12
 20' ELECTRIC EASEMENT
 (TRACT ONE)
 CL. 50' NORTH OF SECTION LINE
 BOOK 912, PAGE 663

ITEM #11 & 21
 10' ELECTRIC EASEMENT
 (TRACT TWO)
 BOOK 878, PAGE 372
 PLAT BOOK 33, PAGE 189

ITEM #11
 10' ELECTRIC EASEMENT
 (TRACT THREE)
 BOOK 878, PAGE 372

ITEM #12 & 21
 20' ELECTRIC EASEMENT
 (TRACT TWO)
 CL. 50' NORTH OF SECTION LINE
 BOOK 912, PAGE 663

STORM MANHOLE
 RIM=744.64
 12" W CPP IN=739.80
 12" W CPP IN=736.74

12" GAS LINE
 (PER RECORD)

12" DIP WATERLINE
 (PER RECORD)

CURB INLET
 RIM=737.74
 12" V CPP IN=730.74
 12" E CPP IN=733.54
 12" S CPP IN=749.84

FOUND 1" IRON PIN IN MONUMENT BOX

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL EQUIPMENT

TRAFFIC SIGNAL POLE

FOUND 1" IRON PIN
 RIM=744.06
 12" S CPP IN=740.49

CURB INLET
 RIM=744.06
 12" S CPP IN=740.49

DIRECTIONAL SIGN

TRAFFIC SIGNAL POLE

THRU TRAFFIC KEEP LEFT

TRAFFIC SIGNAL POLE

CURB INLET
 RIM=757.82
 12" S CPP IN=750.82

12" CPP IN=752.47
 TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL POLE

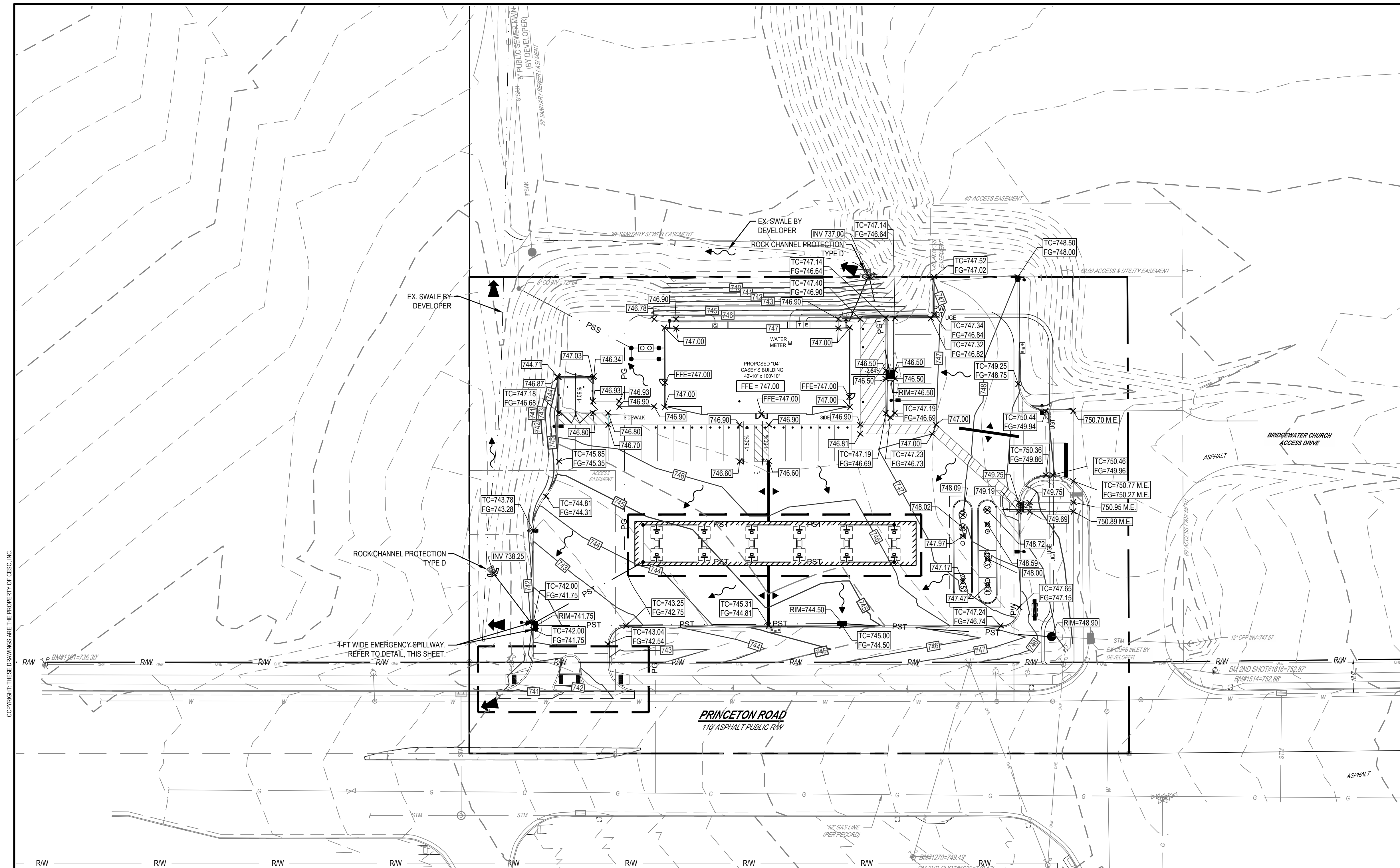
TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL POLE

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TRAFFIC SIGNAL POLE

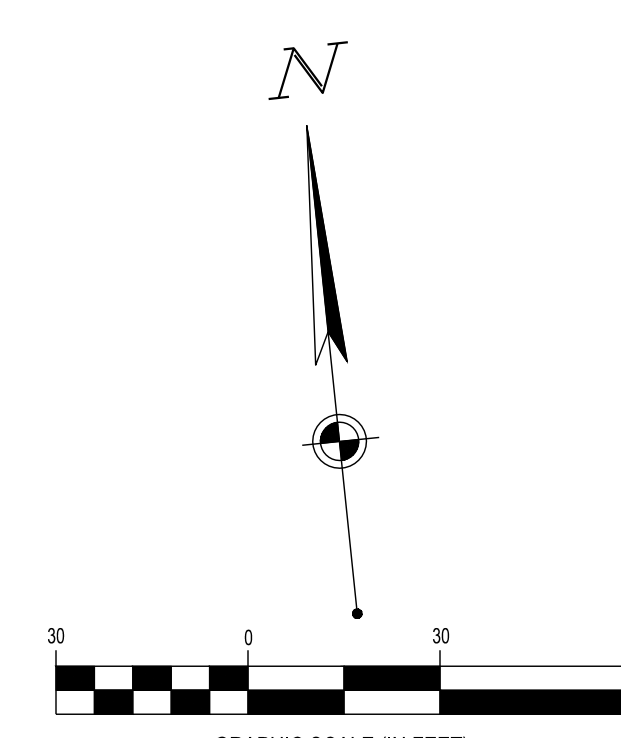


LEGEND

EXISTING
REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

[Symbol]	BUILDING
[Symbol]	CANOPY
[Symbol]	EASEMENT LINE
[Symbol]	MAJOR CONTOUR
[Symbol]	MINOR CONTOUR
[Symbol]	STORM SEWER
[Symbol]	SWALE
[Symbol]	REFER TO ENLARGED PLAN, SHEET C-202
[Symbol]	CLEAN OUT
[Symbol]	MANHOLE
[Symbol]	CATCH BASIN
[Symbol]	CURB INLET
[Symbol]	HEADWALL
[Symbol]	FINISHED GRADE SPOT ELEVATION
[Symbol]	TOP OF CURB ELEV.
[Symbol]	FINISHED GRADE ELEV.
[Symbol]	FINISHED GRADE ELEV. TOP OF FOOTING ELEV.
[Symbol]	RIM ELEVATION
[Symbol]	INVERT ELEVATION
[Symbol]	GRADE BREAK
[Symbol]	M.E.
[Symbol]	FFE
[Symbol]	SLOPE ARROW
[Symbol]	FLOW ARROW
[Symbol]	FLOOD ROUTE
[Symbol]	SCOUR MAT



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REVISION DESCRIPTION

NO.	DATE	DESCRIPTION



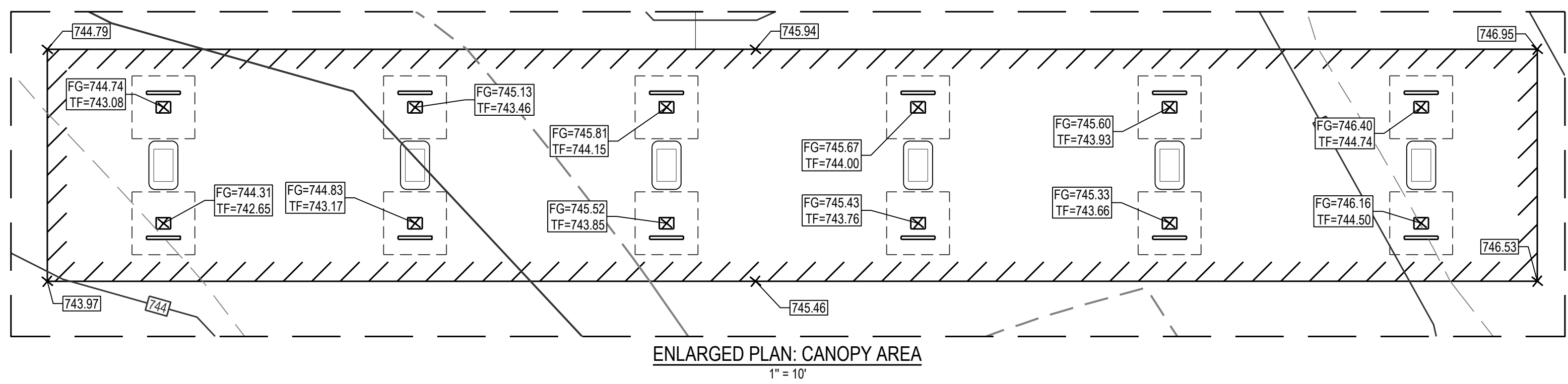
CASEY'S GENERAL STORES
HAMILTON, OH
PRINCETON RD
HAMILTON, OH 45011

GRADING PLAN

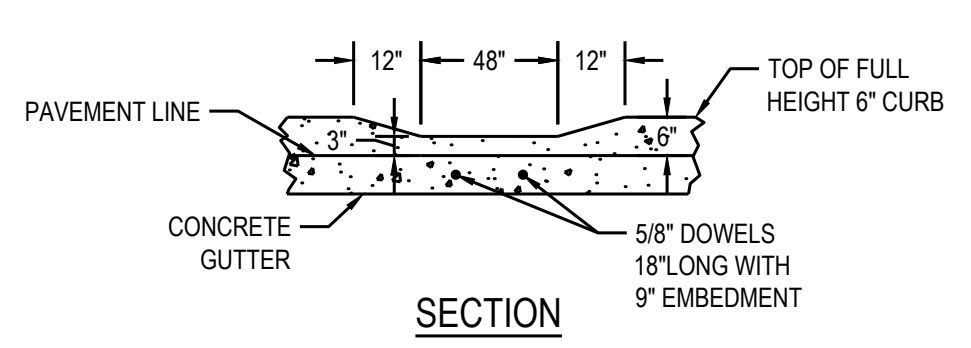
ISSUE: CIVIL PERMIT SET
DATE: 05.19.2021

JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: JIL

SHEET NO. C-201

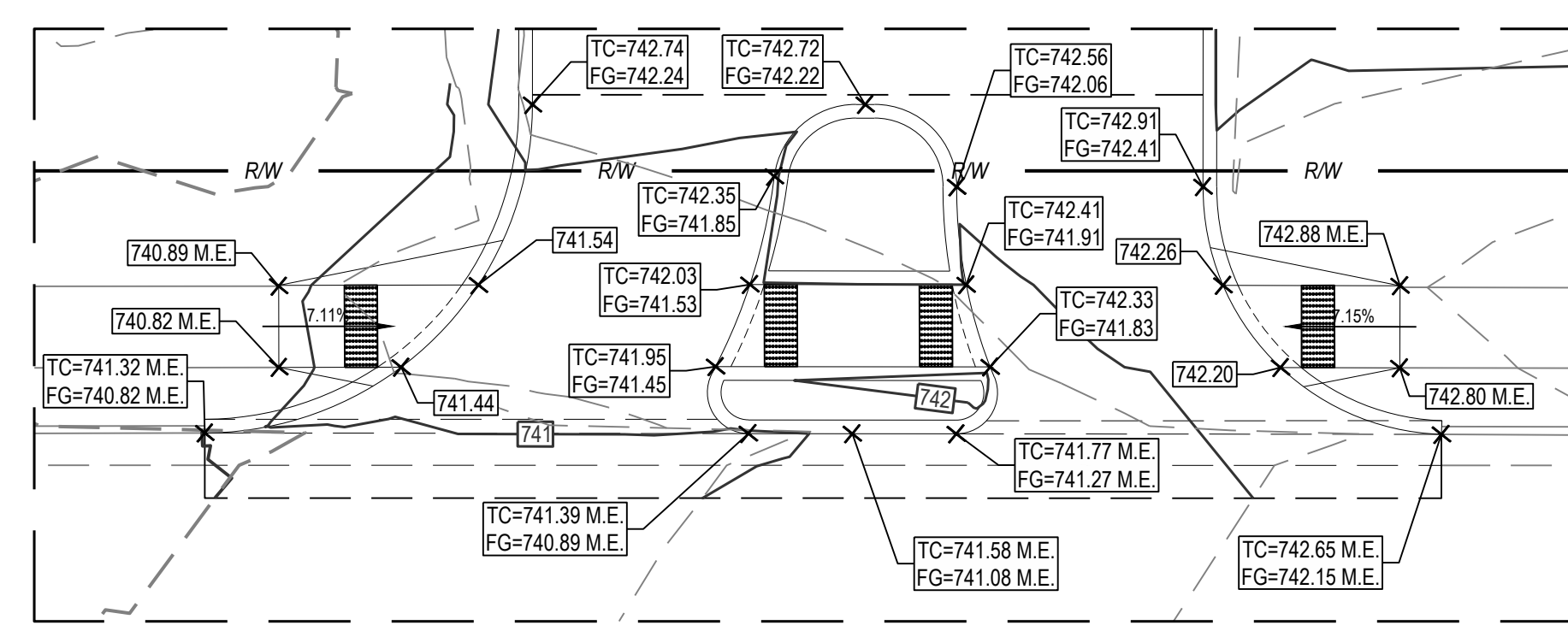


ENLARGED PLAN: CANOPY AREA
1" = 10'



**4-FT WIDE EMERGENCY SPILLWAY
W/ 3" VERTICAL OPENING IN CURB**
NTS

NOTES:
1. CONTRACTOR TO ENSURE EMERGENCY SPILLWAY ELEVATIONS MATCH SPOT ELEVATIONS DENOTED ON PLAN.



ENLARGED PLAN: RIGHT-IN / RIGHT-OUT DRIVE AREA
1" = 10'

BENCHMARK

ELEVATION*	DESCRIPTION
BM #1191 736.30	BENCH NAIL SET SOUTH SIDE OF POWER POLE #4-N-0009, NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING.
BM #1270 749.19	BENCHMARK SET NORTH SIDE OF POWER POLE #112-0013, SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEY'S CHICKEN.
BM #1514 752.88	CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE, LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AND GILMORE ROAD INTERSECTION.

* VERTICAL DATUM: NAVD88
NOTE: REFER TO ALTA SURVEY, SHEET C-003, FOR BENCHMARK LOCATIONS.



REVISION DESCRIPTION
NO. DATE



CASEY'S GENERAL STORES

HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

UTILITY PLAN

ISSUE:
CIVIL PERMIT SET
DATE:
05.19.2021
JOB NO.: 756995
DESIGN: MST
DRAWN: MST
CHECKED: JIL

SHEET NO.
C-301

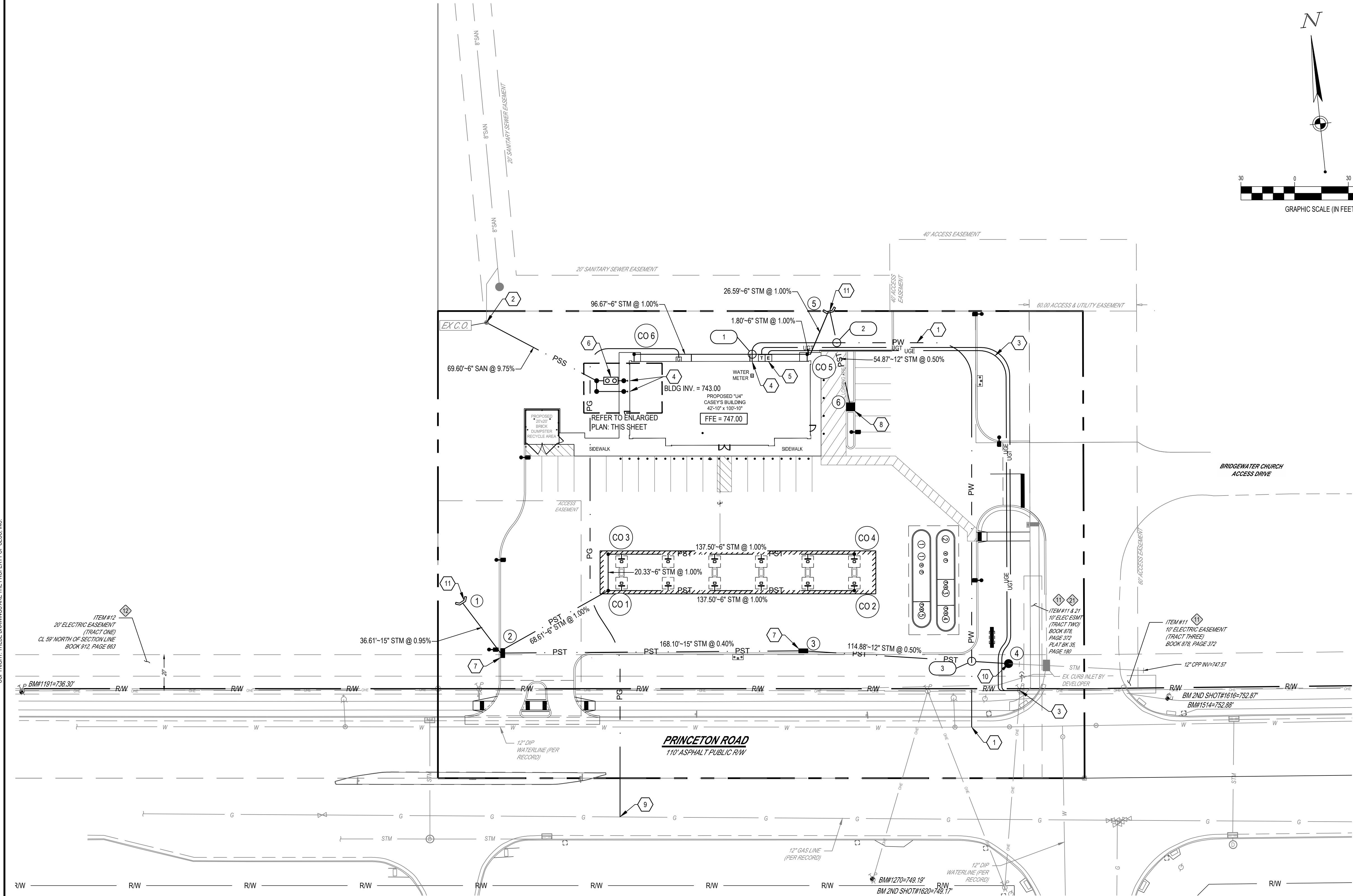
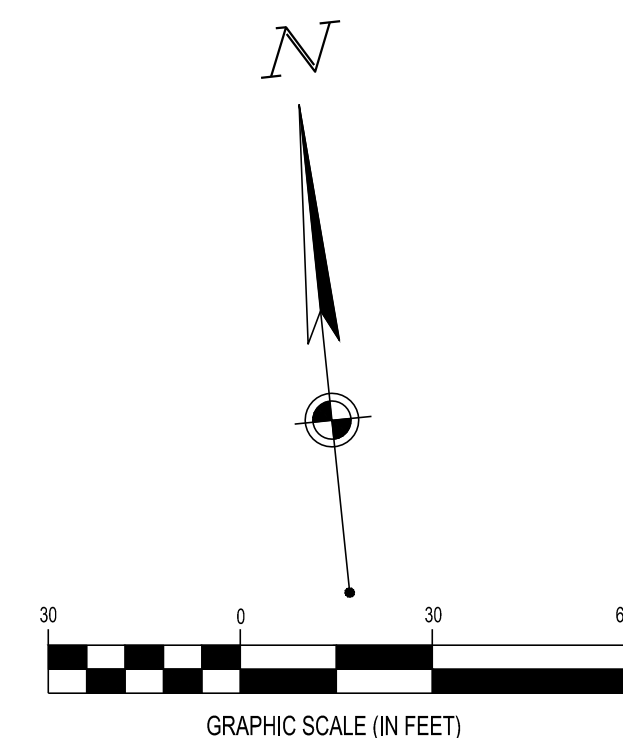
LEGEND

EXISTING

REFER TO SHEET C-001 FOR EXISTING FEATURES LEGEND

PROPOSED

- BUILDING
- CANOPY
- STORM SEWER
- SANITARY SEWER
- DOMESTIC WATER SERVICE
- GAS SERVICE
- UNDERGROUND ELEC. LINE
- UNDERGROUND TEL. LINE
- CLEAN OUT
- GAS METER
- WATER METER
- ELECTRICAL SERVICE ENTRANCE
- GREASE INTERCEPTOR
- MANHOLE
- CURB INLET
- CATCH BASIN
- HEADWALL



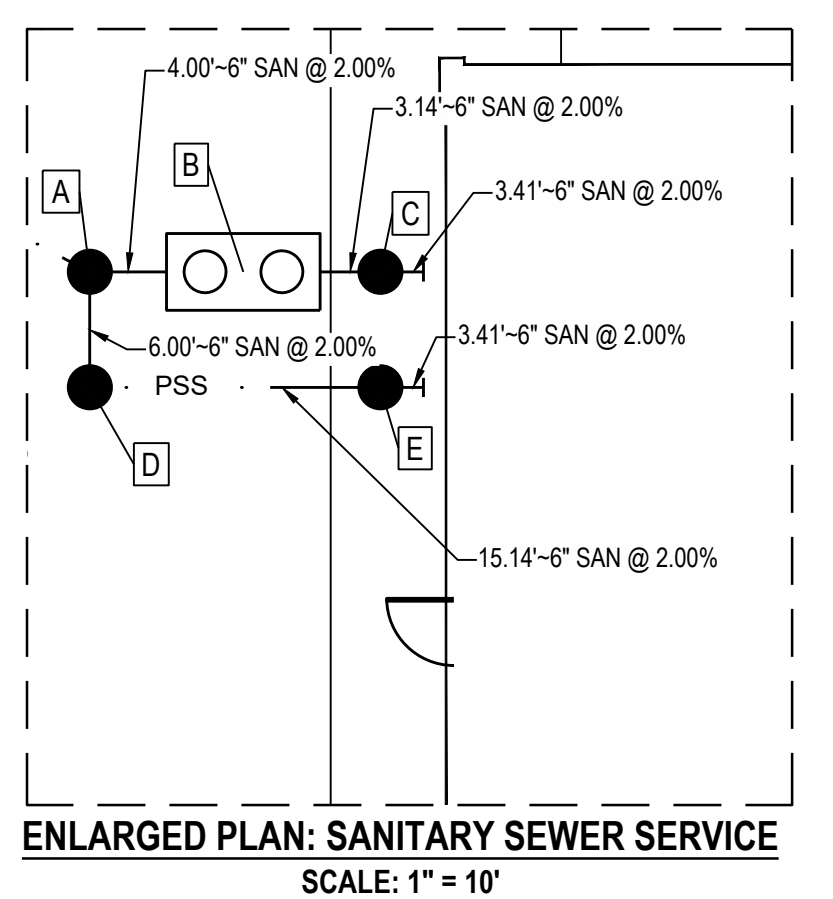
NO.	STRUCTURE	RIM	INVERT
EX C.O.	6" CO	741.15	738.58 (6") SE 729.94 (6") NW
A	6" CO	746.26	742.54 (6") E 742.51 (6") S 738.29 (6") NW
B	GREASE INTERCEPTOR	746.31	742.87 (6") E 742.62 (6") W
C	6" CO	746.91	742.93 (6") E 742.93 (6") W
D	6" CO	746.42	742.63 (6") E 742.63 (6") W
E	6" CO	746.93	742.93 (6") E 742.93 (6") W

NO.	STRUCTURE	GRATE	INVERT
CO 1	6" CLEAN OUT	739.86	739.28 (6") E 739.28 (6") N 739.28 (6") SW
CO 2	6" CLEAN OUT	741.22	740.66 (6") W
CO 3	6" CLEAN OUT	740.06	739.49 (6") E 739.49 (6") S
CO 4	6" CLEAN OUT	741.43	740.86 (6") W
CO 5	6" CLEAN OUT	739.38	738.74 (6") W 738.74 (6") E
CO 6	6" CLEAN OUT	740.28	739.71 (6") E
1	ODOT HW 2.1	N/A	738.25 (15") SE
2	ODOT CB 3A	741.75	738.60 (15") E 738.60 (6") NE 738.60 (15") NW
3	ODOT CB 3A	744.50	739.27 (12") E 739.27 (15") W
4	ODOT MH 1.1	750.51	746.63 (12") E 739.84 (12") W
5	ODOT HW 2.1	N/A	738.46 (12") S
6	ODOT CB 2-2B	746.50	738.73 (12") N

CODED NOTES:

- CONTRACTOR SHALL FURNISH AND INSTALL 2" COPPER TUBE SIZE POLYETHYLENE PIPING FROM METER TO NEW 2" TAP. CONTRACTOR IS RESPONSIBLE FOR ALL WORK PERMITS WITHIN THE PUBLIC RIGHT-OF-WAY. NEW WATER TAPS WILL NEED TO BE INSTALLED AT WATER MAIN. CONTRACTOR MUST OBTAIN A UTILITY PERMIT FROM BUTLER COUNTY ENGINEER'S OFFICE (BCEO), MARK CONNER. SEE WEBSITE: [HTTPS://HH.PERMITS/BCEO.ORG/](https://hh.permits/bceo.org/)
- CONNECT 6" SDR-35 PVC SANITARY SERVICE TO EXISTING SANITARY SEWER CLEANOUT PER BUTLER COUNTY STANDARDS. CONTRACTOR TO FIELD LOCATE AND VERIFY EXISTING SANITARY SEWER LINE. CONTRACTOR TO PROVIDE ALL NECESSARY FITTINGS FOR FINAL CONNECTION. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES.
- CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND THE LOCAL UTILITY COMPANY TO INSTALL PRIMARY RISER AS REQUIRED TO PROVIDE ELECTRICAL SERVICE TO THE PROPOSED BUILDING. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR AND THE LOCAL UTILITY COMPANY TO INSTALL NEW POLE MOUNTED TRANSFORMER.
- COORDINATE UTILITIES WITH PLUMBING CONTRACTOR, CAP AND MARK FOR FUTURE CONNECTION. FINAL CONNECTION BY PLUMBING CONTRACTOR.
- ELECTRICAL SERVICE ENTRANCE. ELECTRIC 3-PHASE 800 AMP, 480 VOLTS, 4-WIRE, 20 PAIR, 8 LINES. COORDINATE WITH ELECTRICAL CONTRACTOR FOR CONNECTION LOCATION OF ELECTRICAL SERVICE.
- SUPPLY AND INSTALL (1) 1000 GAL. BELOW GRADE GREASE INTERCEPTOR. SEE DETAILS ON SHEET C-604.
- SUPPLY AND INSTALL (2) ODOT 3A STANDARD CATCH BASIN.
- SUPPLY AND INSTALL (1) ODOT 2-2B STANDARD CATCH BASIN.
- CONNECTION TO GAS MAIN. DUKE ENERGY SHALL FURNISH AND INSTALL GAS LINE FROM METER TO NEW TAP. THE CONTRACTOR SHALL INSTALL THE GAS LINE FROM THE METER TO THE BUILDING SERVICE PER THE BUILDING DRAWINGS. CONTRACTOR MUST OBTAIN A UTILITY PERMIT FROM BUTLER COUNTY ENGINEER'S OFFICE (BCEO), MARK CONNER. SEE WEBSITE: [HTTPS://HH.PERMITS/BCEO.ORG/](https://hh.permits/bceo.org/)
- SUPPLY AND INSTALL (1) ODOT 1.1 STANDARD MANHOLE. CONTRACTOR TO CONNECT EXISTING CULVERT EXTENSION PIPE TO PROPOSED MANHOLE FOR TIE-IN.
- SUPPLY AND INSTALL (2) ODOT 2.1 STANDARD HALF-HEIGHT HEADWALL.

NO.	UTILITY	ELEVATIONS	DIFF.
1	2" WTR	B/PIPE = 741.05	1.5'
	6" STM	T/PIPE = 739.55	
2	2" WTR	B/PIPE = 741.05	1.5'
	12" STM	T/PIPE = 739.55	
3	2" WTR	B/PIPE = 741.24	1.5'
	12" STM	T/PIPE = 739.74	

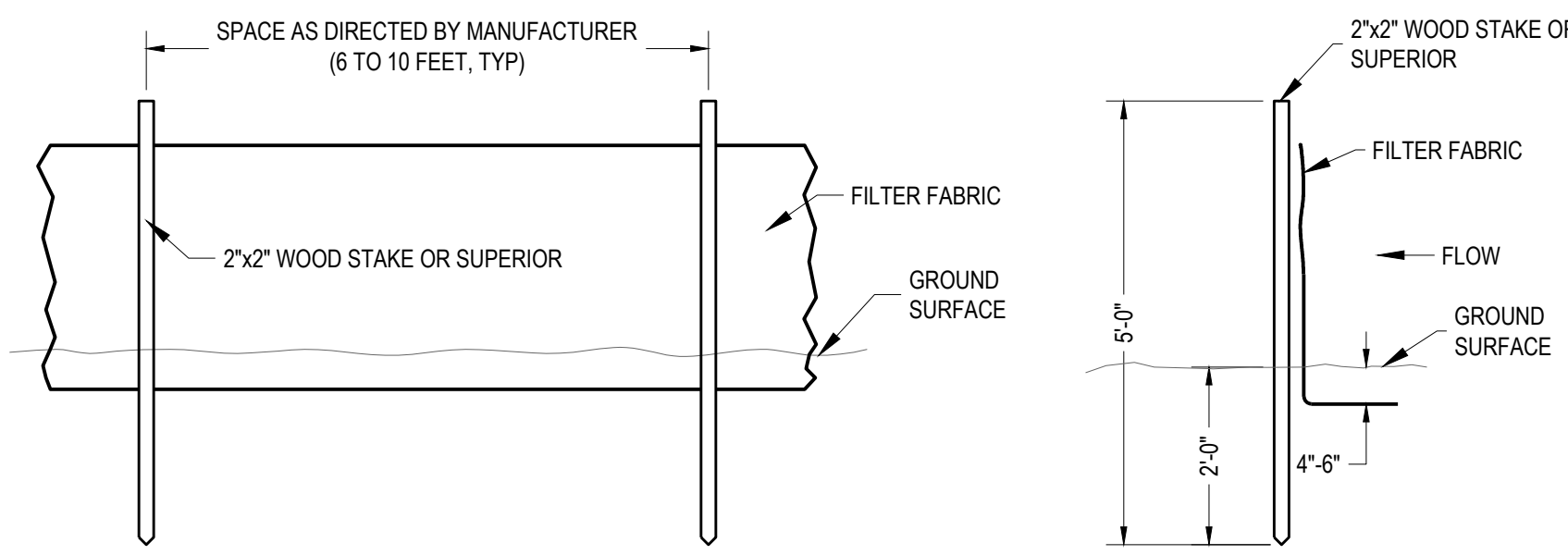


	ELEVATION*	DESCRIPTION
BM #1191	736.30	BENCH NAIL SET SOUTH SIDE OF POWER POLE #4H-0009 NORTH SIDE OF PRINCETON ROAD, SOUTH OF WALDEN PONDS COMMUNITY CHURCH BUILDING.
BM #1270	749.19	BENCHNAIL SET NORTH SIDE OF POWER POLE #12-2013 SOUTHWEST OF GILMORE ROAD AND PRINCETON ROAD INTERSECTION, NORTH OF POPEYE'S CHICKEN.
BM #1514	752.88	CHISELED BOX SOUTHWEST CORNER OF TRAFFIC SIGNAL LIGHT POLE BASE. LOCATED ON NORTHEAST CORNER OF PRINCETON ROAD AND GILMORE ROAD INTERSECTION.

* VERTICAL DATUM: NAVD88
NOTE: REFER TO ALTA SURVEY, SHEET C-003, FOR BENCHMARK LOCATIONS.

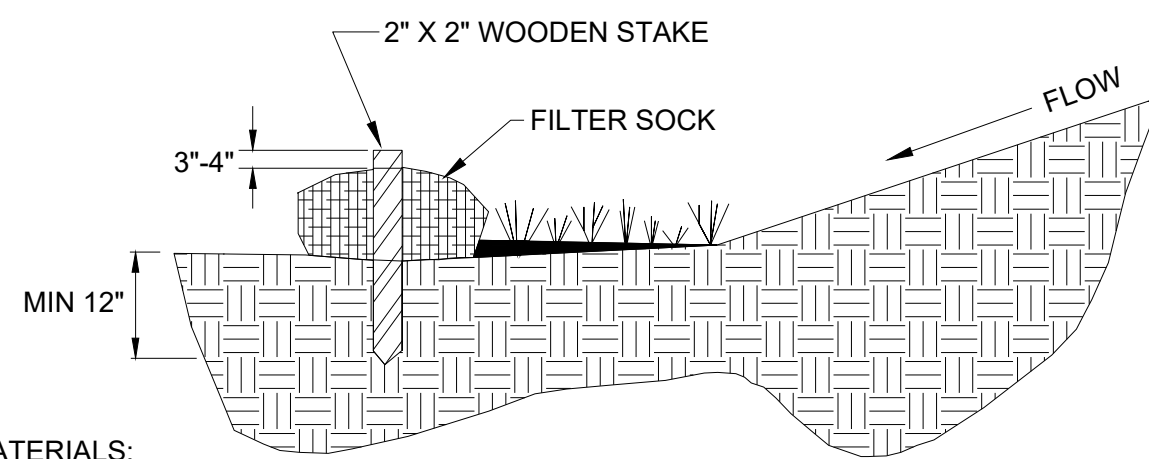


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TEMPORARY SILT FENCE DETAILS

NOT TO SCALE



MATERIALS:

1. COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE, CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
2. FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TUBULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

INSTALLATION:

1. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MIDSLOPE.
2. FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.
3. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.

MAINTENANCE:

1. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
2. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.
3. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
4. REMOVAL - FILTER SOCKS WILL BE DISPersed ON SITE WHEN NO LONGER REQUIRED IN SUCH AS WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

FILTER SOCK DETAIL

NTS

SILT FENCE NOTES:

FILTER FABRIC SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.

FILTER FABRIC SHALL BE MIRAFI 140 FABRIC OR EQUIVALENT. BURLAP CANNOT BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.

STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.

WOOD POSTS SHALL BE 6'-0" TO 7'-0" IN HEIGHT AND 2" IN DIAMETER. WIRE FABRIC SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN #9 WIRE STAPLES 1-1/2" LONG.

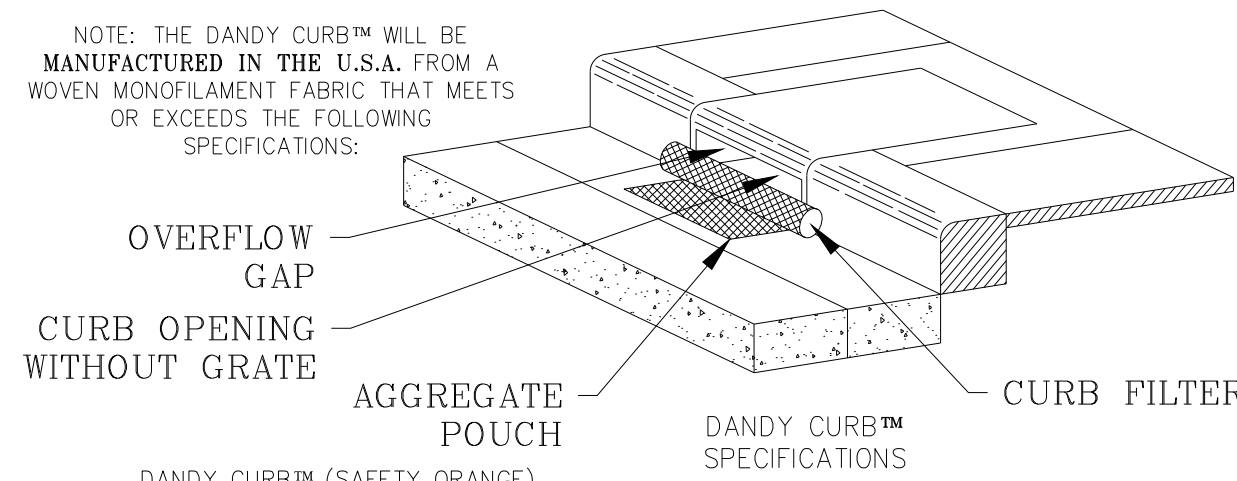
MAINTENANCE NOTES:

FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

IF THE FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE, AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.

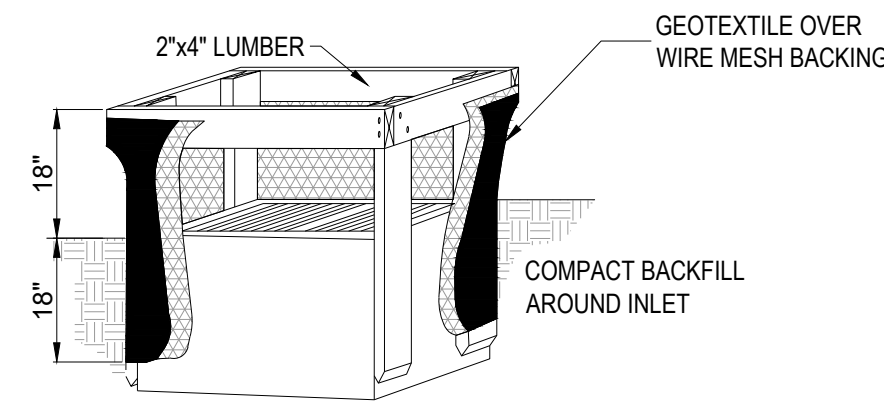


Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m ² (gal/min/ft ²)	5907 (145)
Permittivity	ASTM D 4491	Sec ⁻¹	2.1

*Note: All Dandy Curbs™ can be ordered with our optional oil absorbents

DANDY CURB DETAIL

NOT TO SCALE



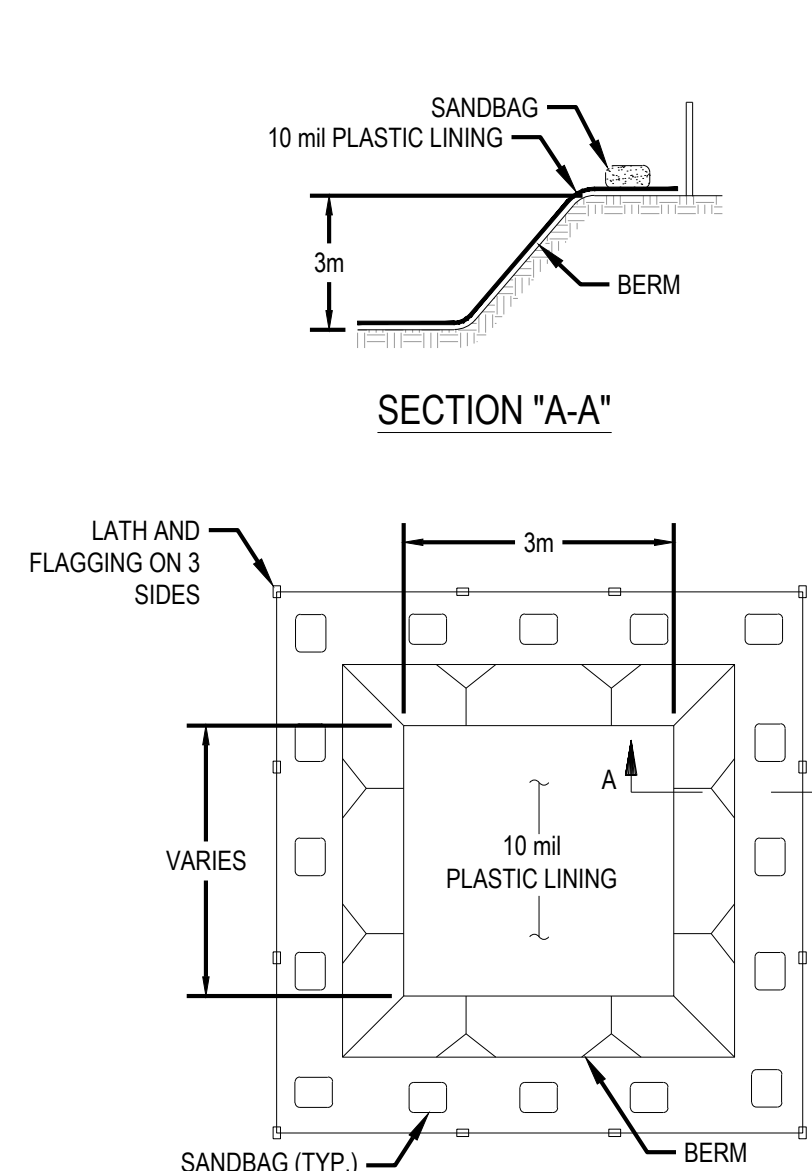
SECTION

NOTES:

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-INCH BY 4-INCH CONSTRUCTION GRADE LUMBER. THE 2-INCH BY 4-INCH POSTS SHALL BE DRIVEN 18" INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-INCH BY 4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

AREA INLET PROTECTION

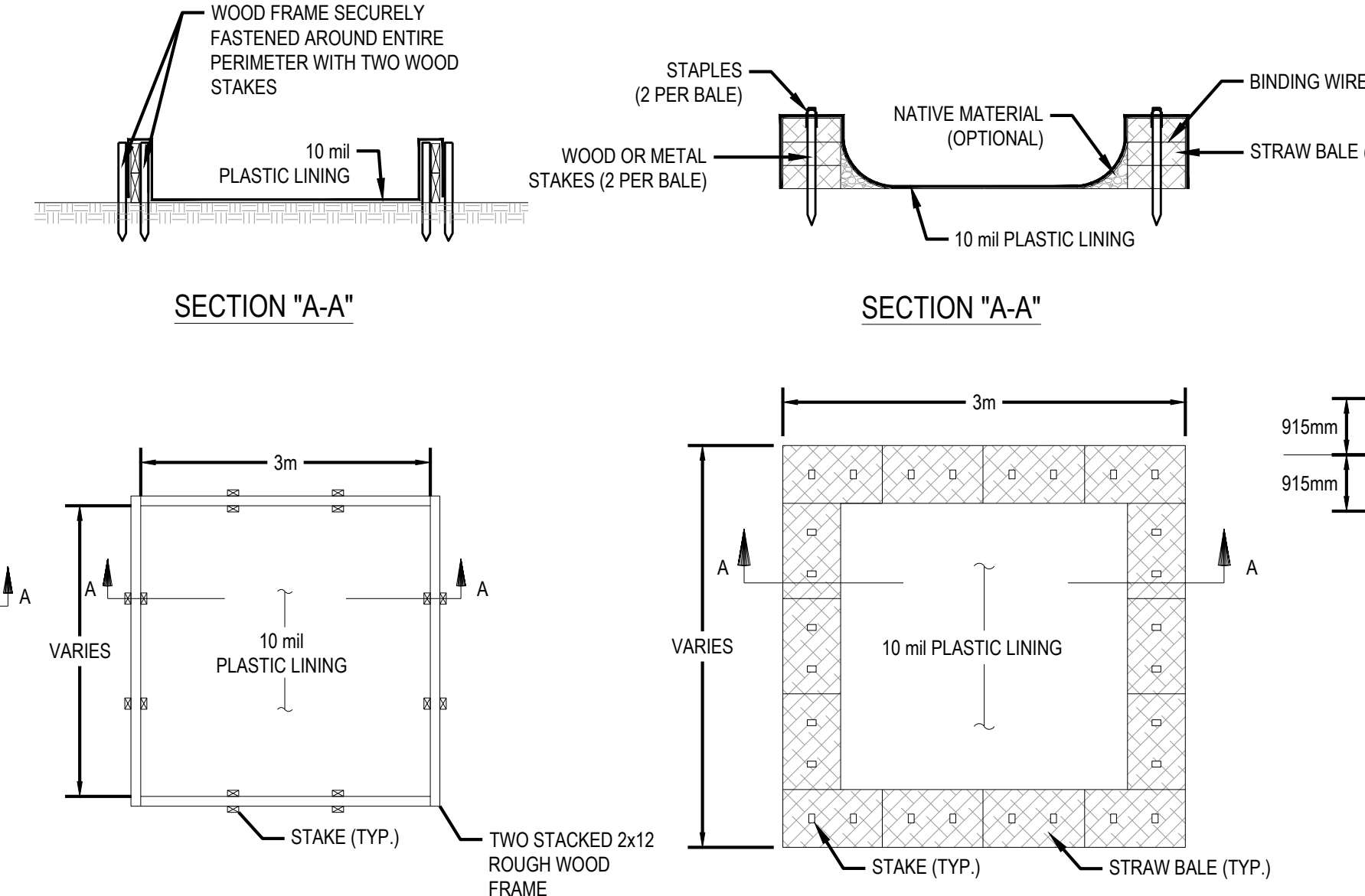
NTS



"BELOW GRADE"

NOTE:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

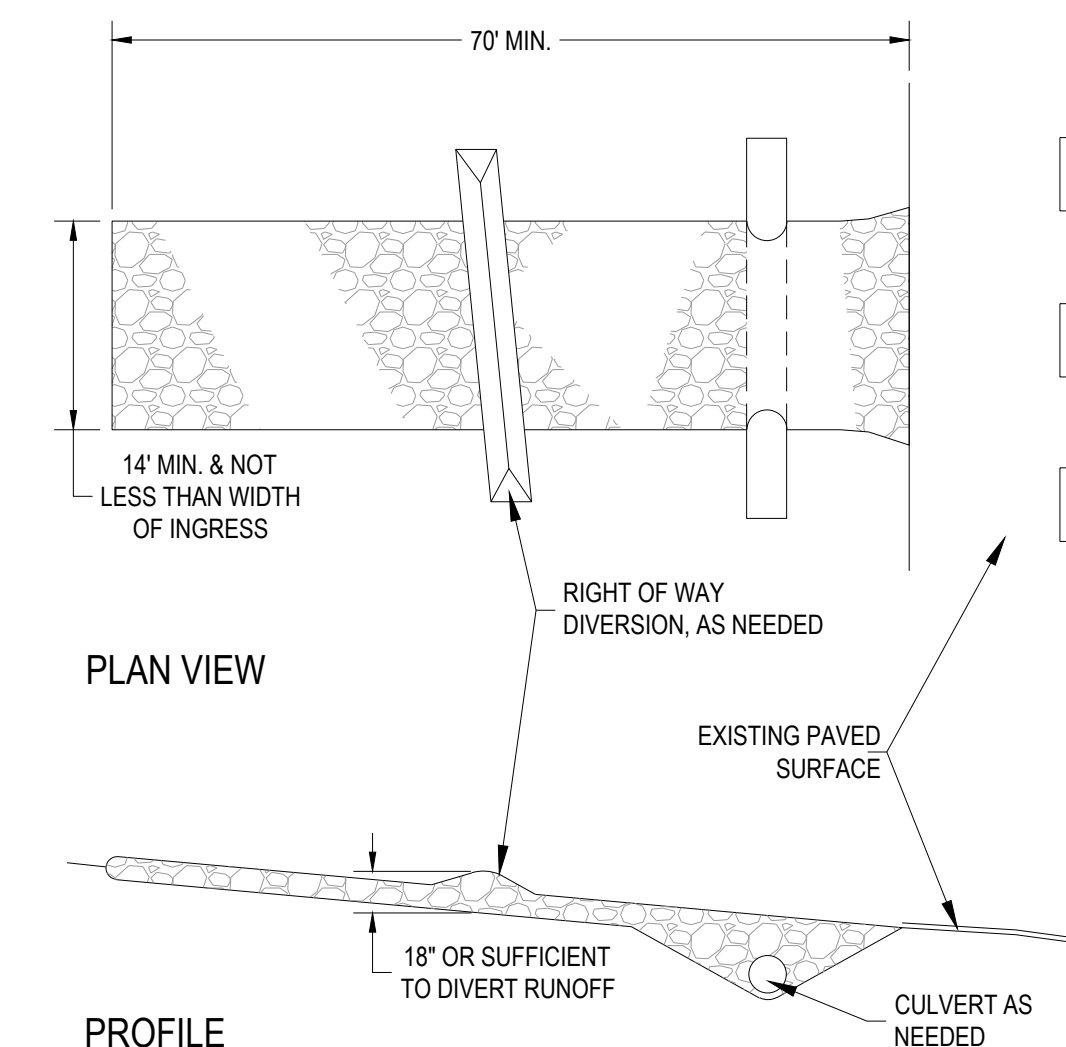


"ABOVE GRADE" w/ WOOD PLANKS

NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

PLAN VIEW



STABILIZED CONSTRUCTION ENTRANCE

NTS

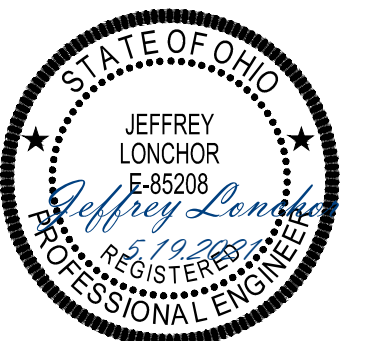
1. AGGREGATE SIZE - ODOT COARSE AGGREGATE GRADATIONS: CA-1, CA-2. CA-2 IS PREFERRED BY BUTLER COUNTY.
2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS.)
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES.
4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER FABRIC - FILTER FABRIC SHALL BE USED UNDER THE AGGREGATE TO MINIMIZE THE MIGRATION OF STONE INTO THE UNDERLYING SOIL BY HEAVY VEHICLE LOADS. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIALS SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, II, OR IV.
6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICAL BEFORE MAJOR GRADING ACTIVITIES.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE

PERMITTED:

8. WASHING - IF CONDITIONS ON THE SITE ARE SUCH THAT THE VEHICLES TRAVELING OVER THE GRAVEL DO NOT REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SEDIMENT TRAPPING FACILITY SUCH AS PRACTICE STANDARDS "IMPOUNDMENT STRUCTURE-ROUTED 842 OR TEMPORARY SEDIMENT TRAP 960". ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, WATERCOURSES, OR SURFACE WATERS INCLUDING WETLANDS. A WASH RACK MAY BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
9. LOCATION - THE WASHING STATION SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
10. TIMING - THE GRAVELED ACCESS SHALL BE INSTALLED AS SOON AS PRACTICAL BEFORE THE START OF SITE DISTURBANCE.
11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE DISTURBED AREA IS STABILIZED BY PERMANENT BEST MANAGEMENT PRACTICES.
12. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS OR STREETS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



REVISION DESCRIPTION
NO. DATE



CASEY'S GENERAL STORES

HAMILTON, OH

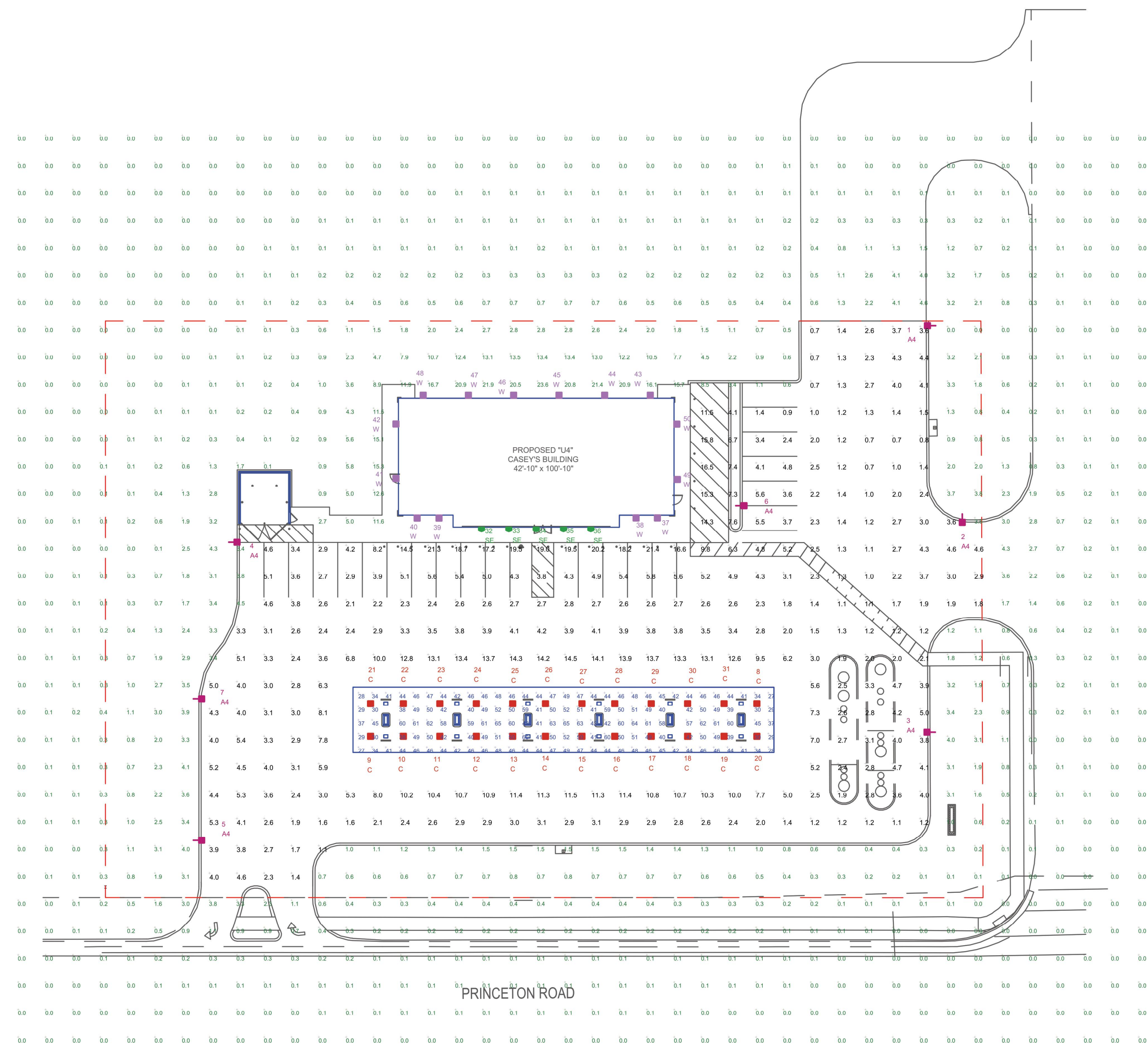
PRINCETON RD
HAMILTON, OH 45011

SWPPP DETAILS

ISSUE:	CIVIL PERMIT SET
DATE:	05.19.2021
JOB NO.:	756995
DESIGN:	MST
DRAWN:	MST
CHECKED:	JJL

SHEET NO.
C-402

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LUM NO.	LABEL	MTG. HT.
1	A4	17
2	A4	17
3	A4	17
4	A4	17
5	A4	17
6	A4	17
7	A4	17
8	C	16.5
9	C	16.5
10	C	16.5
11	C	16.5
12	C	16.5
13	C	16.5
14	C	16.5
15	C	16.5
16	C	16.5
17	C	16.5
18	C	16.5
19	C	16.5
20	C	16.5
21	C	16.5
22	C	16.5
23	C	16.5
24	C	16.5
25	C	16.5
26	C	16.5
27	C	16.5
28	C	16.5
29	C	16.5
30	C	16.5
31	C	16.5
32	SE	10
33	SE	10
34	SE	10
35	SE	10
36	SE	10
37	W	10
38	W	10
39	W	10
40	W	10
41	W	10
42	W	10
43	W	10
44	W	10
45	W	10
46	W	10
47	W	10
48	W	10
49	W	10
50	W	10

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	4.86	21.4	0.7	6.94	30.57
UNDEFINED AREA	0.90	23.6	0.0	N.A.	N.A.
UNDER CANOPY	46.10	65	27	1.71	2.41

NOTE: ALL AREA LIGHTS ON NEW 15 FT. POLES MOUNTED ON 2 FT. CONCRETE BASES

SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
[Symbol]	7	A4	SINGLE	11259	1.040	B2-U0-G2	134	938	Cree Inc.	ARE-EDG-4M-DA-06-E-UL-BZ-700
[Symbol]	24	C	SINGLE	13251	1.040	B3-U0-G1	134	3216	CREE, INC.	CAN-304-SL-RS-06-E-UL-WH-700
[Symbol]	5	SE	SINGLE	3902	1.040	B2-U0-G0	34	170	CREE, INC.	SFT-228-PS-RM-03-E-UL-BZ-350-IC
[Symbol]	14	W	SINGLE	8739	1.040	B2-U0-G2	100	1400	CREE, INC.	SEC-EDG-3M-WM-06-E-UL-BZ-525

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SCALE: 1" = 30'
LAYOUT BY: BJM
DWG SIZE: D
DATE: 12/19/19

PROJECT NAME:
**CASEY'S
HAMILTON, OH**
DRAWING NUMBER:
RL-6515-S1-R3



REV.	BY	DATE	DESCRIPTION
R1	BJM	2/21/20	REVISED LAYOUT PER NEW SITE PLAN
R2	LMP	1/14/21	REVISED PER UPDATED SITE PLAN
R3	BJM	3/12/21	REVISED LAYOUT PER NEW SITE PLAN

1340 Kemper Meadow Dr. Forest Park, OH 45420
513.574.9500 | redleonard.com

REVISION DESCRIPTION

NO. DATE



CASEY'S GENERAL STORES

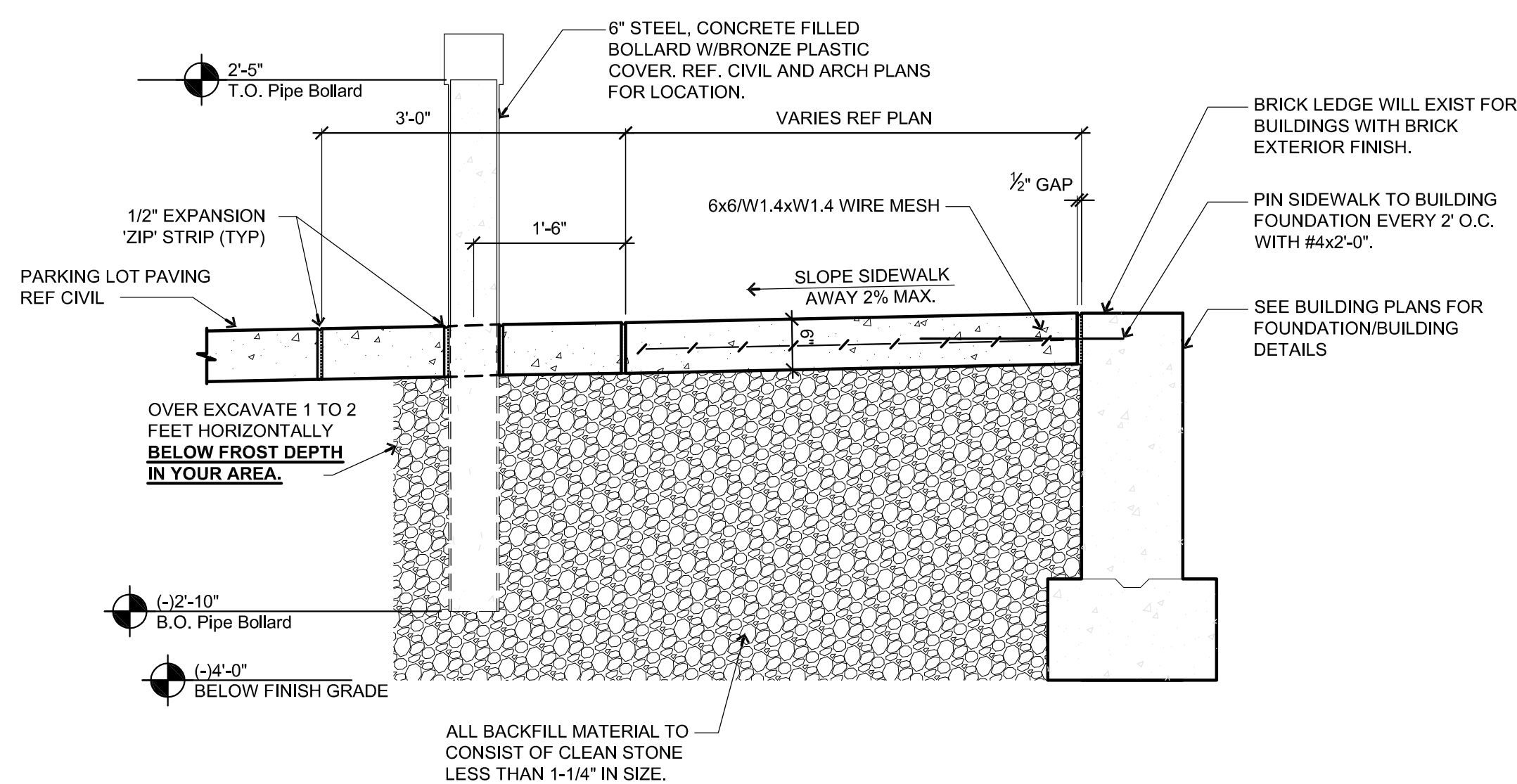
HAMILTON, OH

PRINCETON RD
HAMILTON, OH 45011

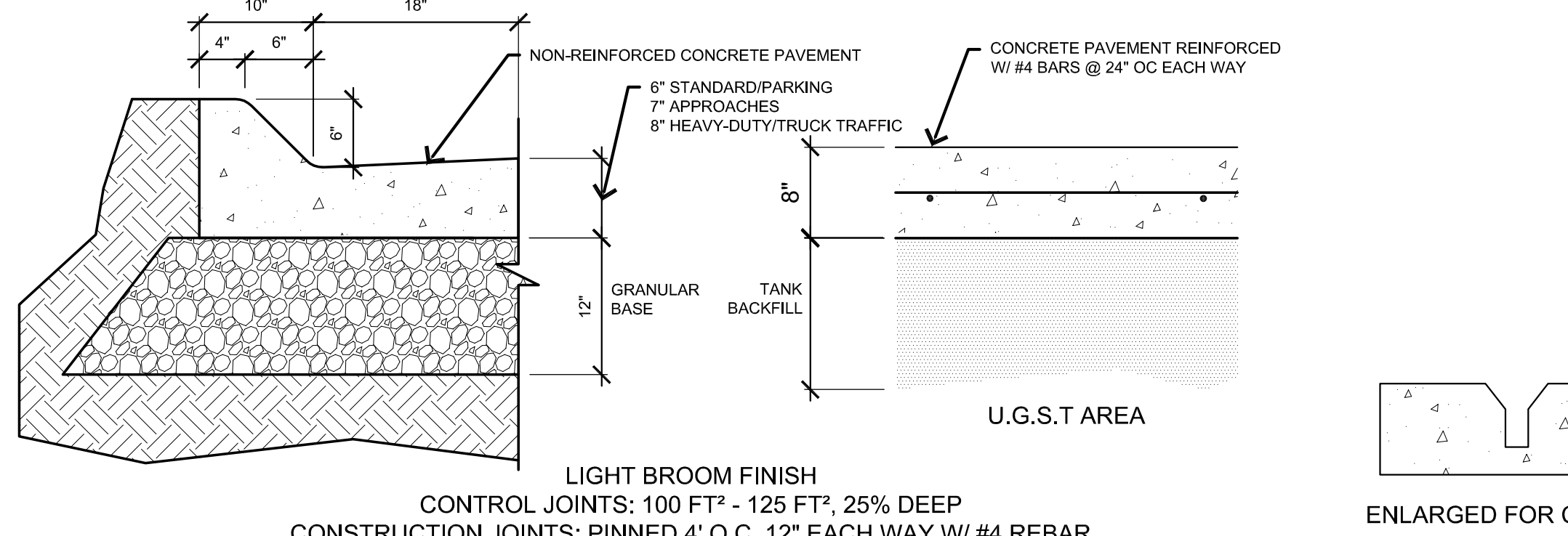
PHOTOMETRIC PLAN

ISSUE:	CIVIL PERMIT SET
DATE:	05.19.2021
JOB NO.:	756995
DESIGN:	MST
DRAWN:	MST
CHECKED:	JJL
SHEET NO.	C-501



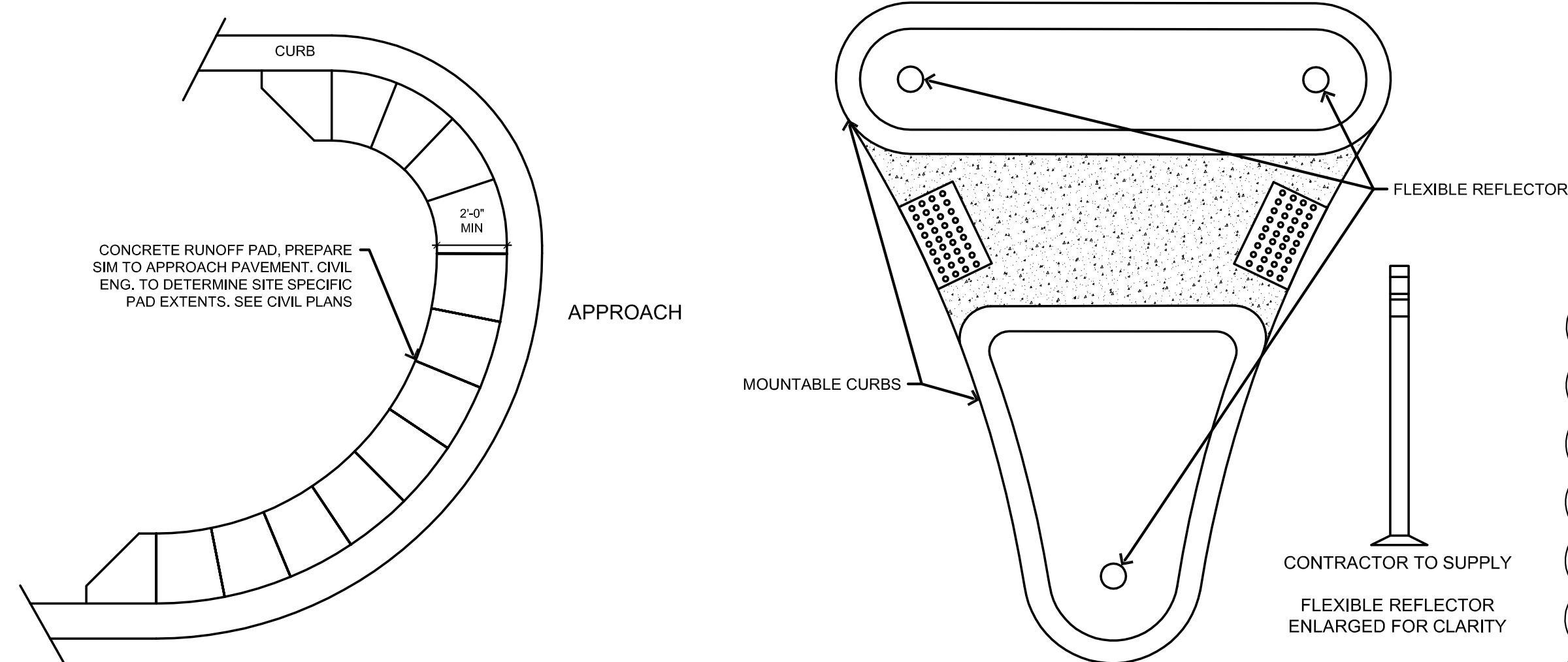


1 TYPICAL BUILDING SIDEWALK AND BOLLARD
3/4" = 1'-0"



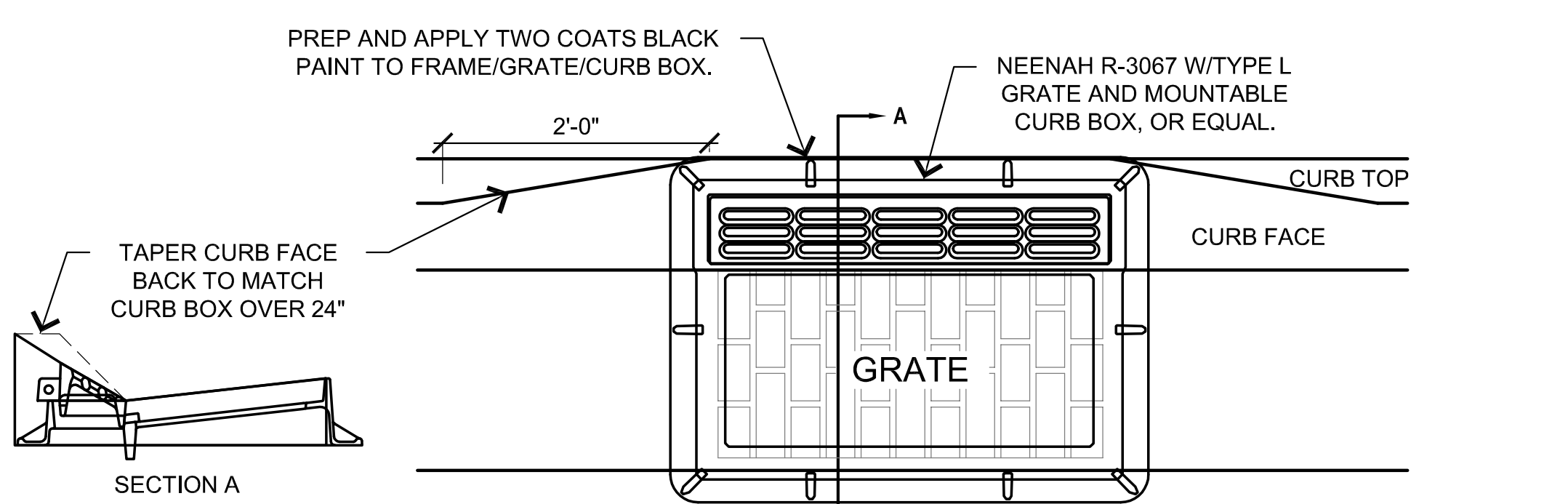
2 CONCRETE PAVING AND CURB
Not to Scale

3 PAVING SAW-CUT
Not to Scale

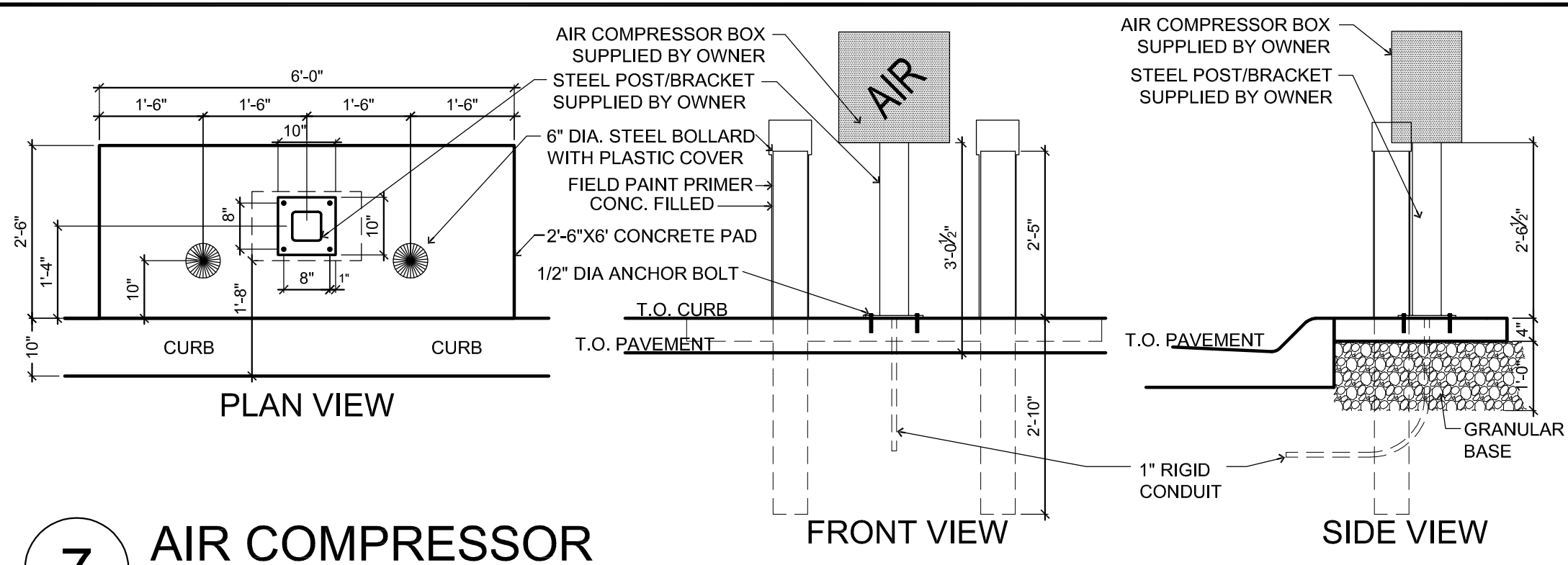


4 LANDSCAPE PROTECTOR
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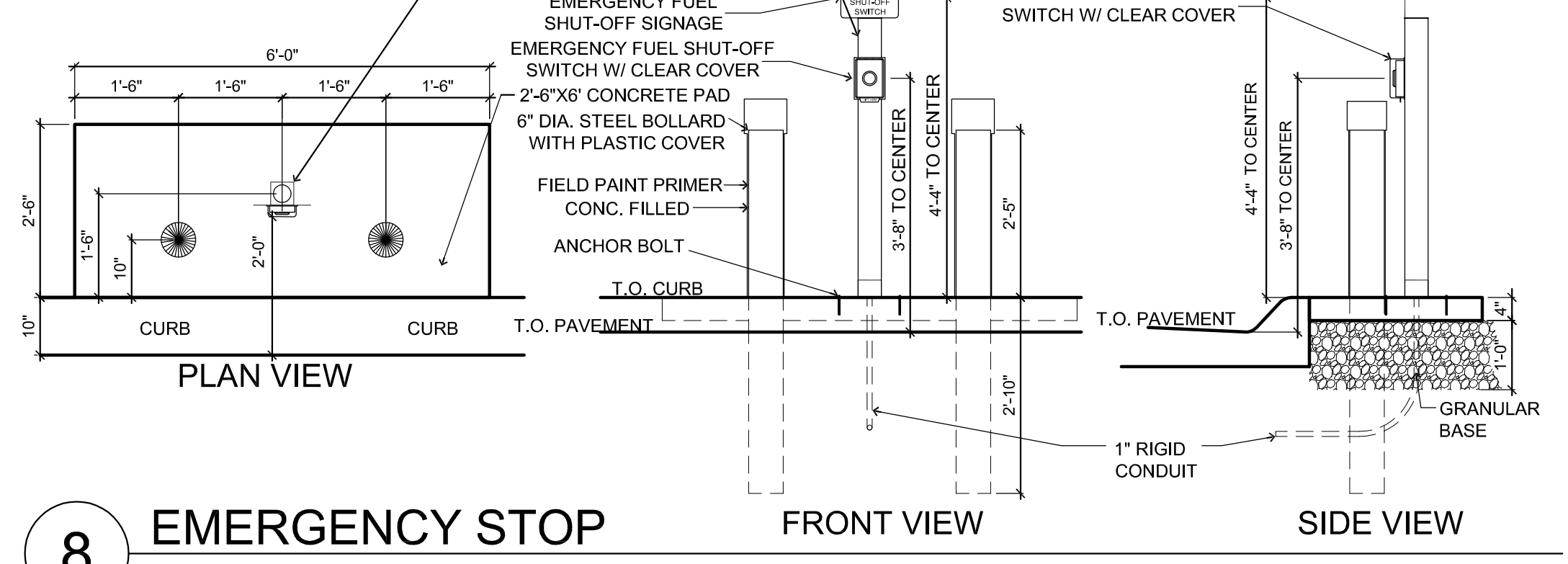
5 PORK CHOP WITH REFLECTORS
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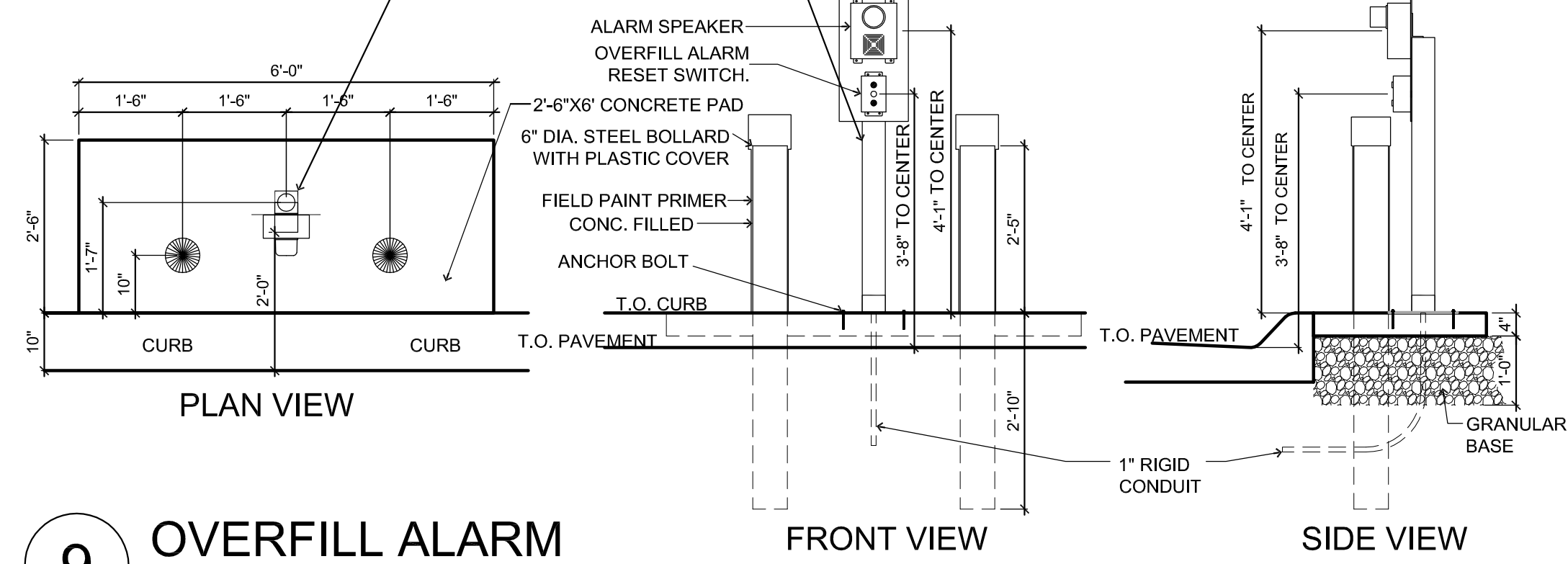
6 CURB INLET
Not to Scale



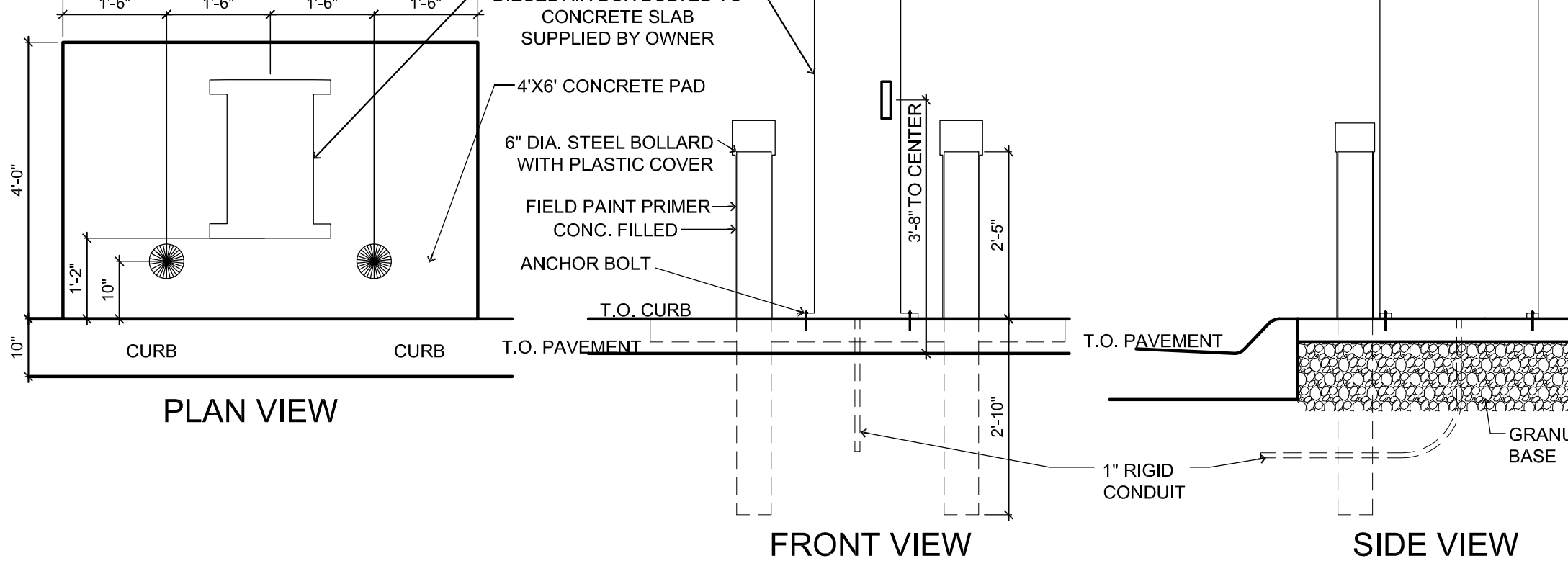
7 AIR COMPRESSOR
1/2" = 1'-0"



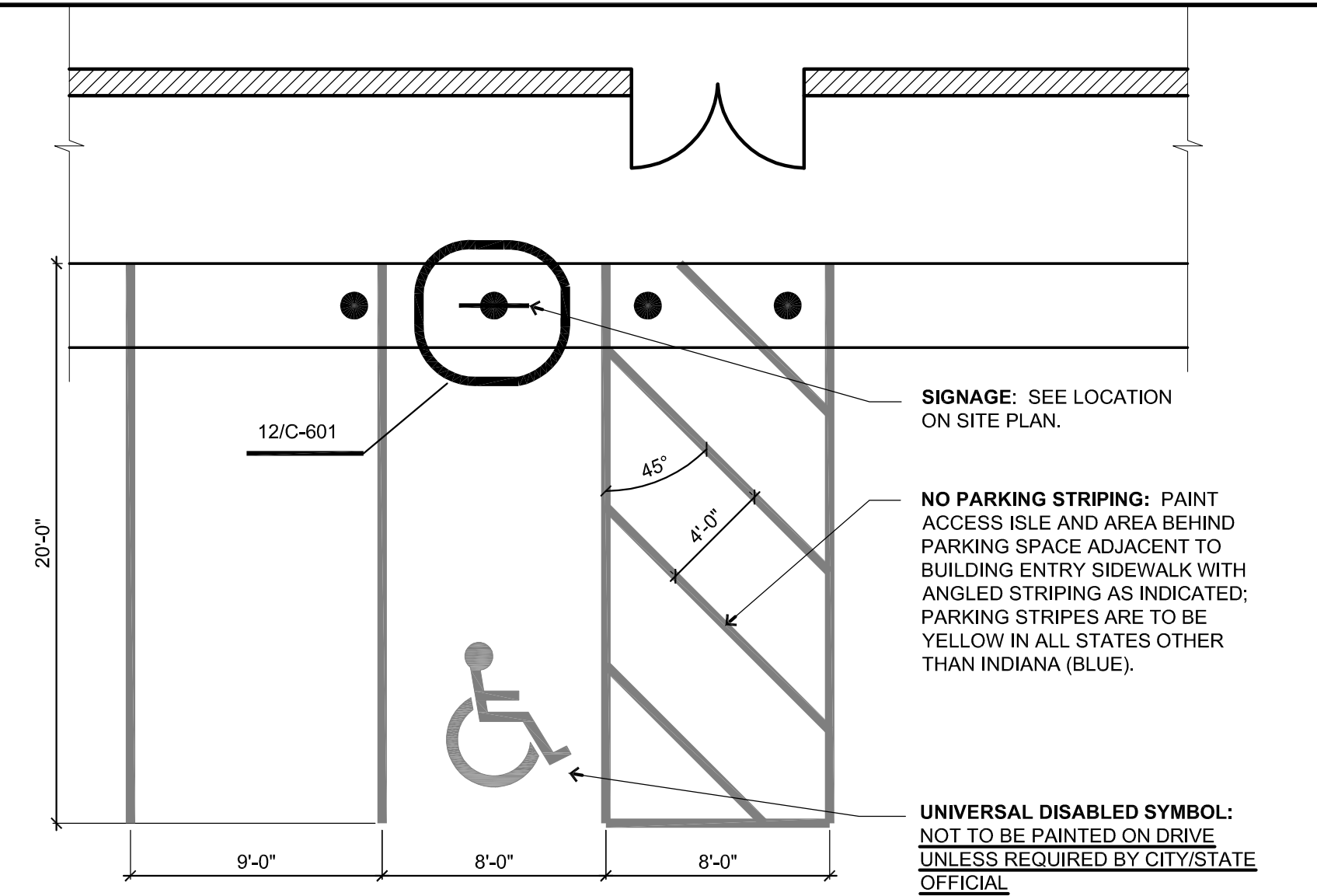
8 EMERGENCY STOP
1/2" = 1'-0"



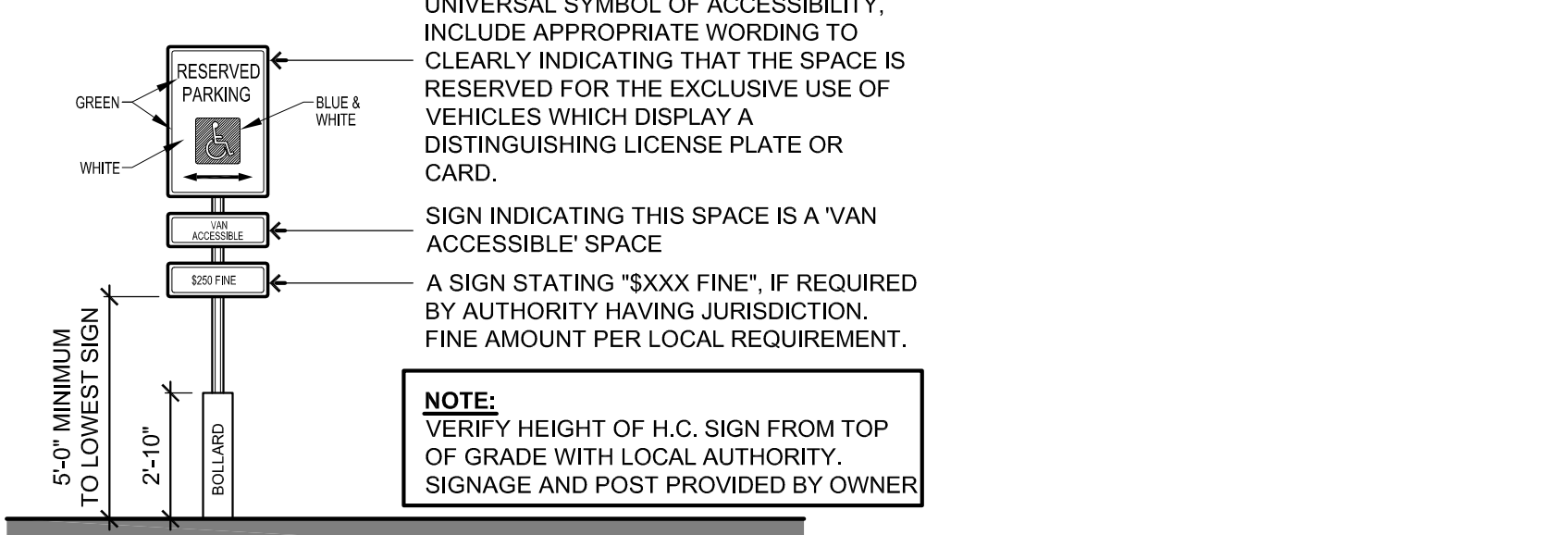
9 OVERFILL ALARM
1/2" = 1'-0"



10 DIESEL AIR COMPRESSOR (ONLY FOR < 3 DIESEL LANES)
1/2" = 1'-0"



11 ADA PARKING SPACES
3/16" = 1'-0"



12 ADA PARKING SIGN
1/4" = 1'-0"

GENERAL NOTES

- Concrete:**
- All concrete and reinforcing work shall conform to the latest edition of the American Concrete Institute's "Standard Building Code Requirements for Reinforced Concrete," (ACI 318) and "Specifications for Structural Concrete for Buildings," (ACI 301).
 - Concrete shall use type II cement. Concrete mix designs shall meet the following requirements:

	MINIMUM 28-DAY f _c	MAXIMUM W/C RATIO	SLUMP	AIR ENTRAIN.
Exterior exposed concrete	4,000 psi	0.42	4" ± 1"	6% ± 1%
 - If Contractor desires to increase slump above allowable limits to facilitate placement or pumping, this shall be done utilizing a superplasticizer approved by the Ready Mix Designer at a dosage rate provided by Ready Mix Designer.
 - The Contractor shall reject any concrete that exceeds the slump limits noted above (prior to adding superplasticizer) or concrete that can not be placed within ninety (90) minutes of batch time.
 - No aluminum shall be placed in concrete.
 - All concrete is reinforced unless specifically noted as Unreinforced. Reinforce all concrete not otherwise shown with the same reinforcing as in similar sections or areas.
 - During hot weather (80 degrees F and above), the Contractor shall comply with the recommendations ACI-305 "Hot Weather Concrete". During cold weather (40 degrees and below), the Contractor shall comply with the recommendations of ACI-306 "Cold Weather Concrete".
 - The concrete mix designs are to be submitted as a formal submittal to the Owner for acceptance PRIOR to concrete being delivered to the site.
 - Verify with local authorities the required thickness of poured concrete for approaches and parking lot.
- Sub-Base:**
- Sub-base Course Under Exterior Concrete Paved Surfaces: Spread and compact sub-base in 6"-9" lifts compacted to 98% Standard Proctor.

CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

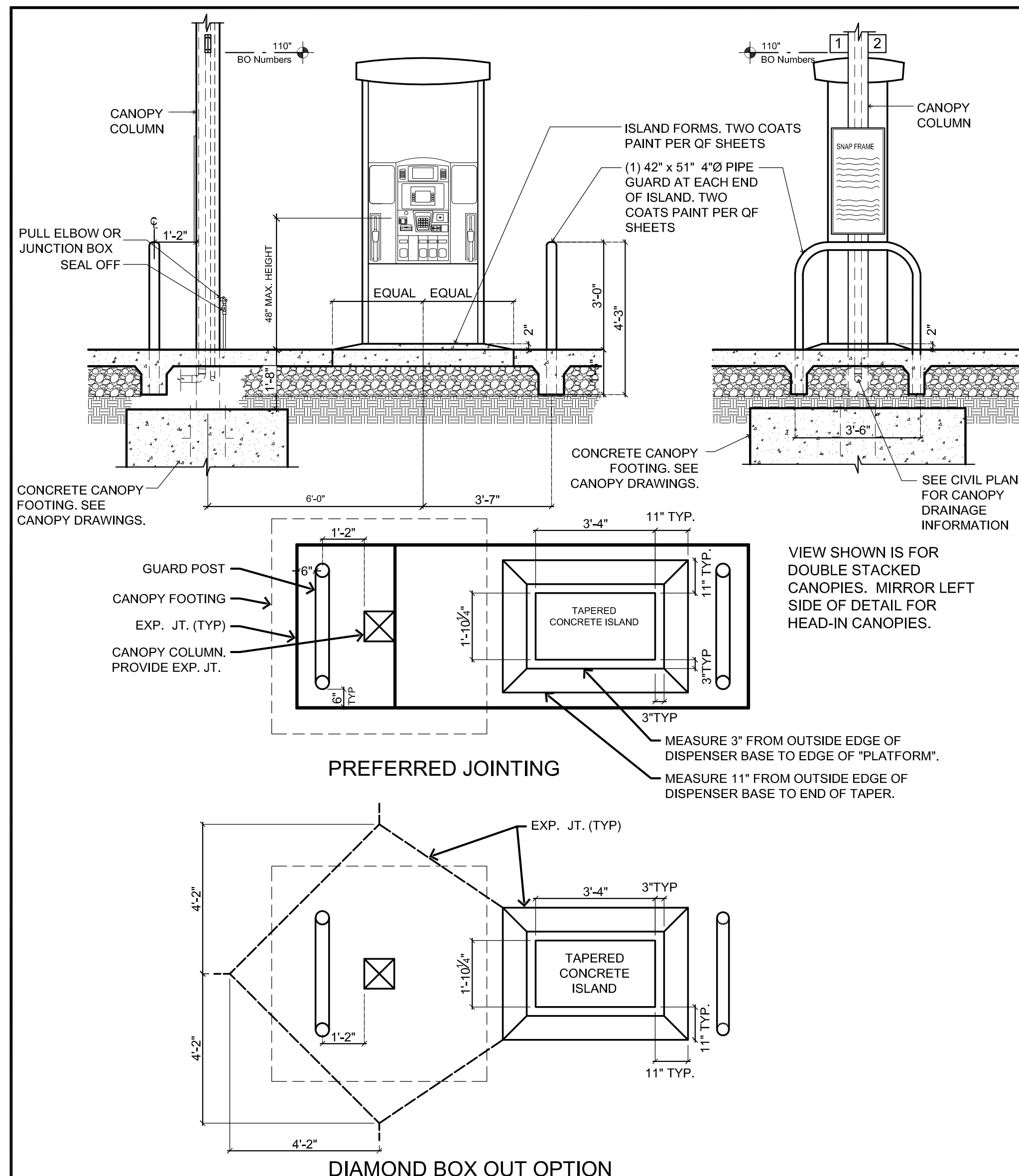
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PUBLISHED: 01/14/20
REVISED: 03/20/20
10/26/20

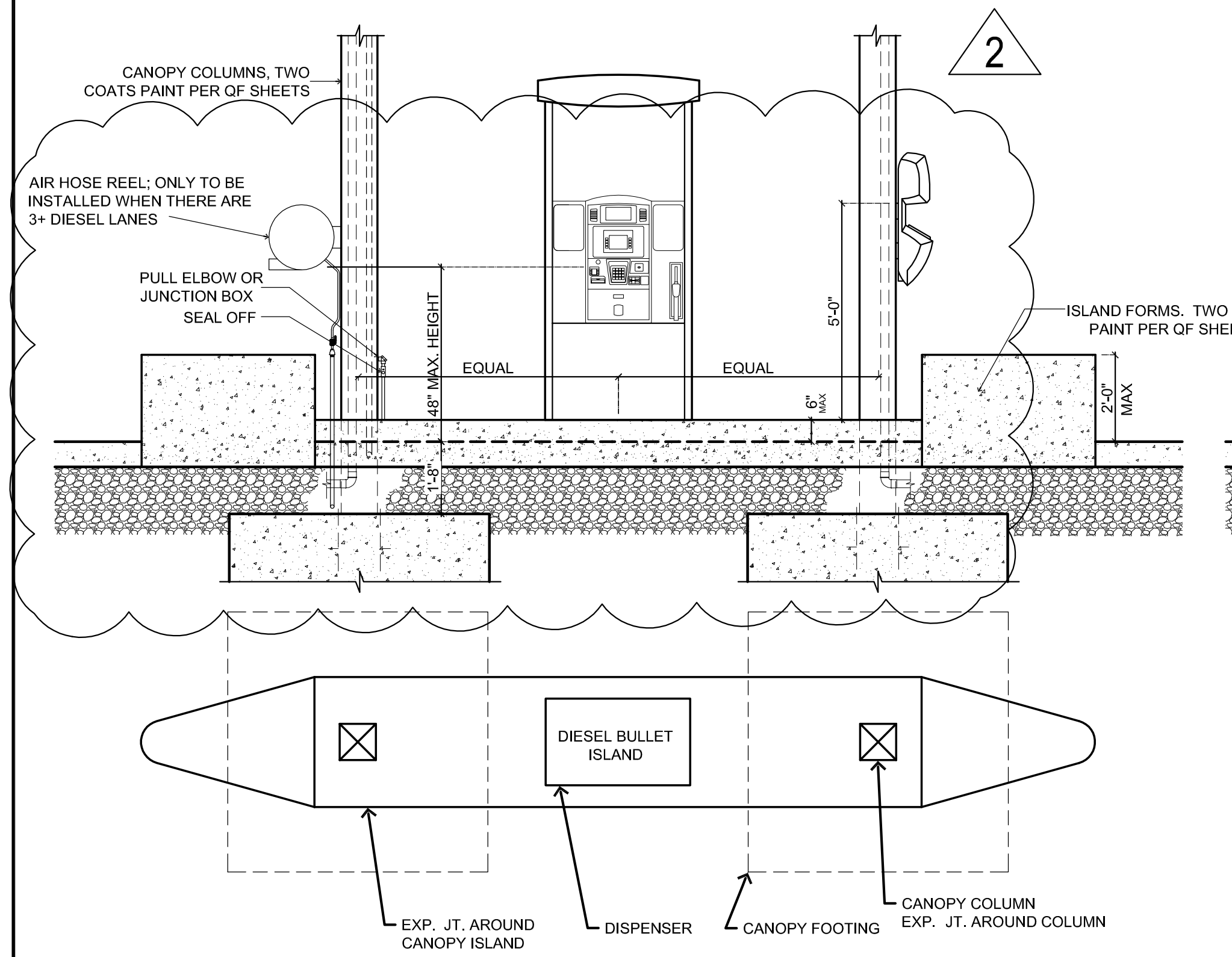
DRAWING INFORMATION: CIVIL DETAILS

DRAWING NO: C-601

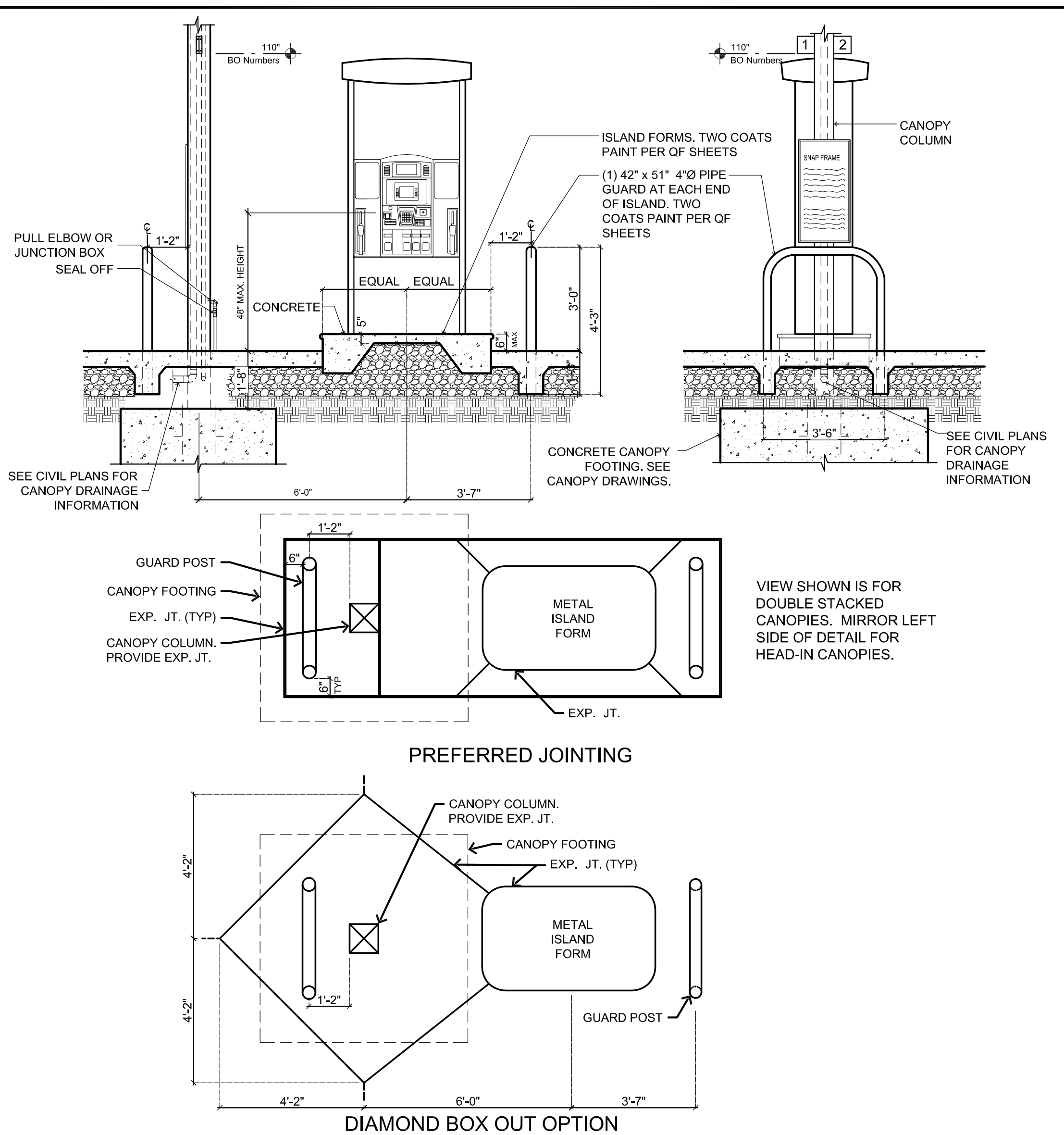
DESIGNED BY: ARLON GOFORTH III



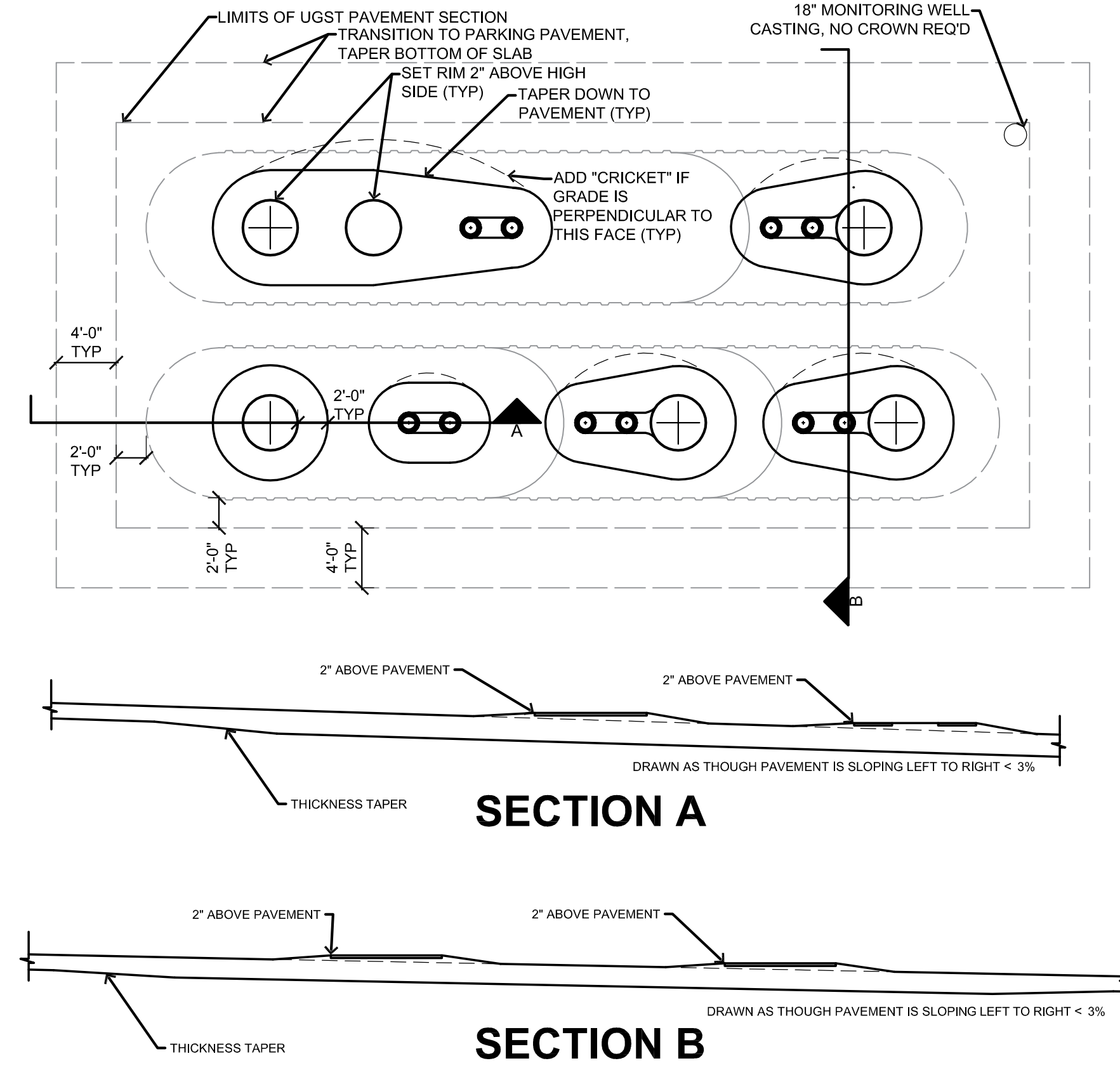
1 GAS TAPERED FUEL ISLAND (PREFERRED OPTION)
Not to Scale



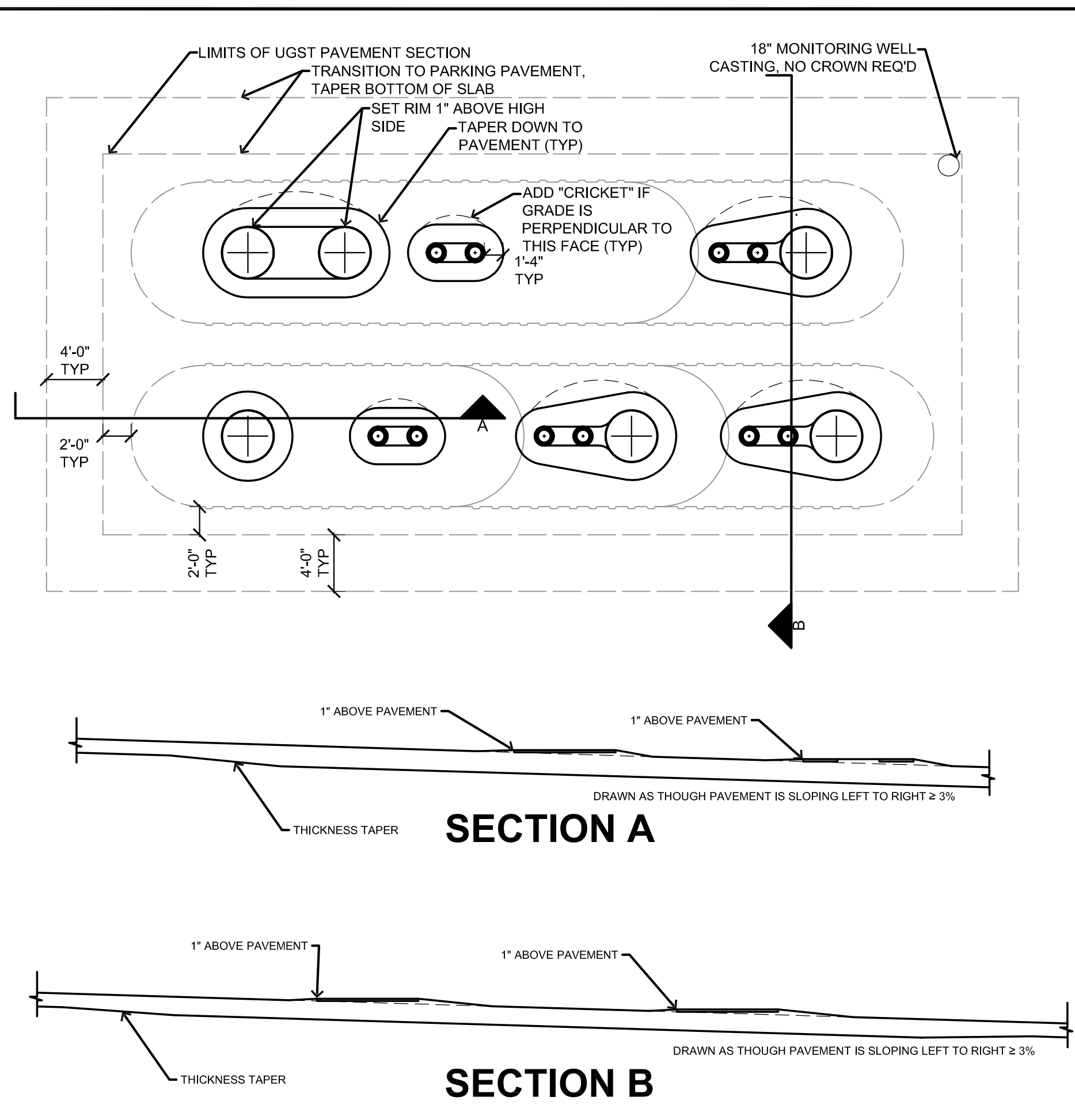
3 DIESEL BULLET ISLAND
3/8" = 1'-0"



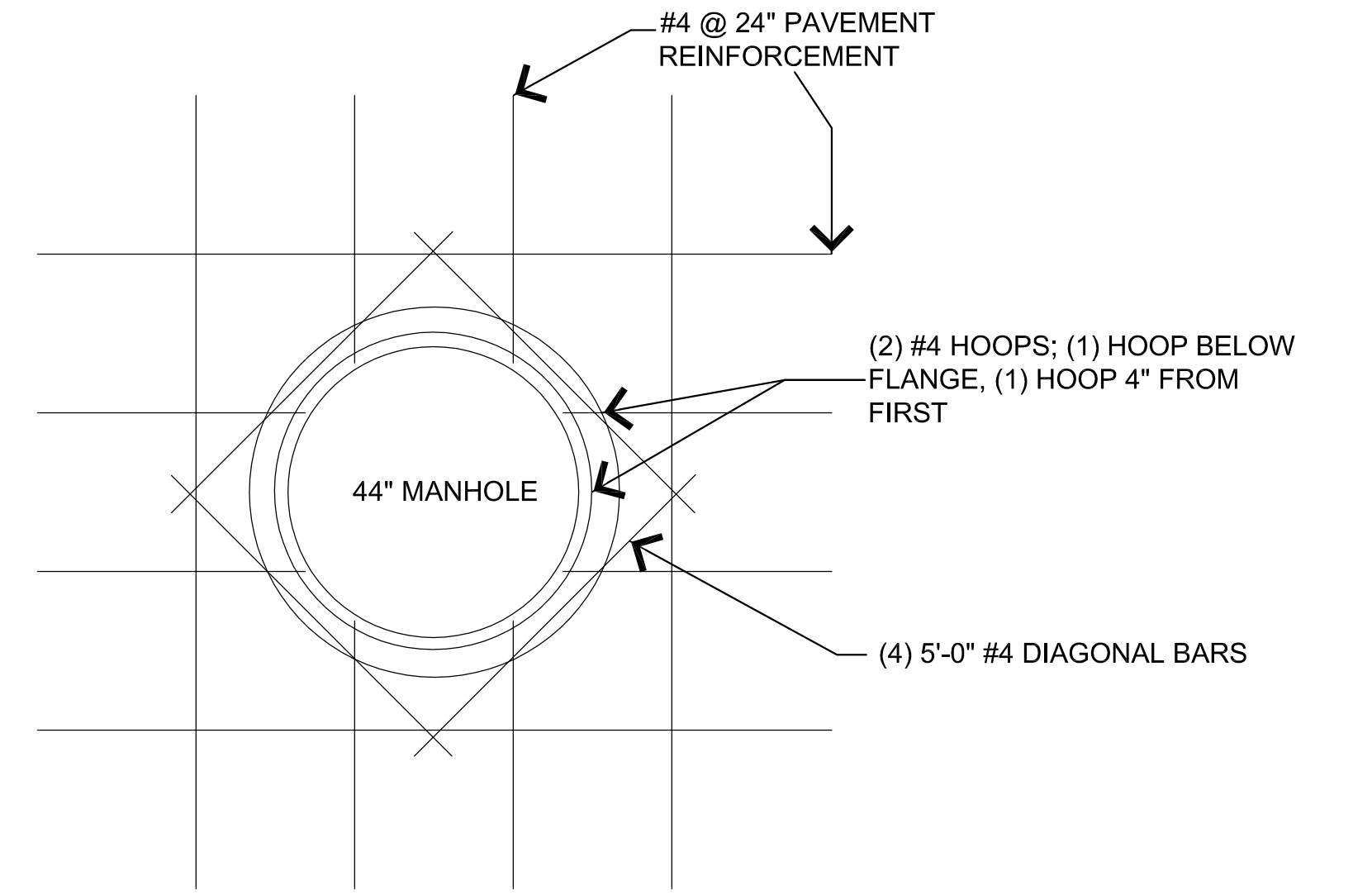
2 GAS METAL FORM ISLAND
Not to Scale



4 UGST PAVING FOR PAVEMENT SLOPE <3%
Not to Scale



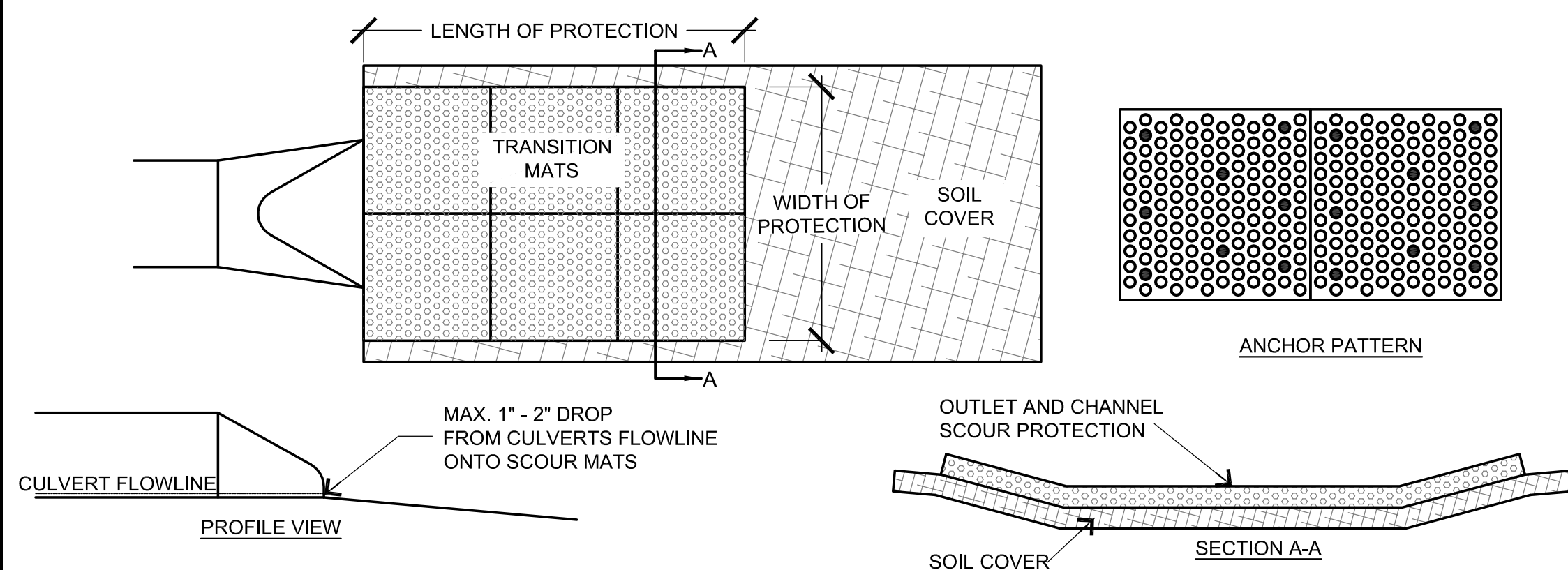
5 UGST PAVING FOR PAVEMENT SLOPE >3%
Not to Scale



6 UGST Manhole Detail
1/2" = 1'-0"

General Notes:
1 ALL REINFORCING IS CENTER OF SLAB.

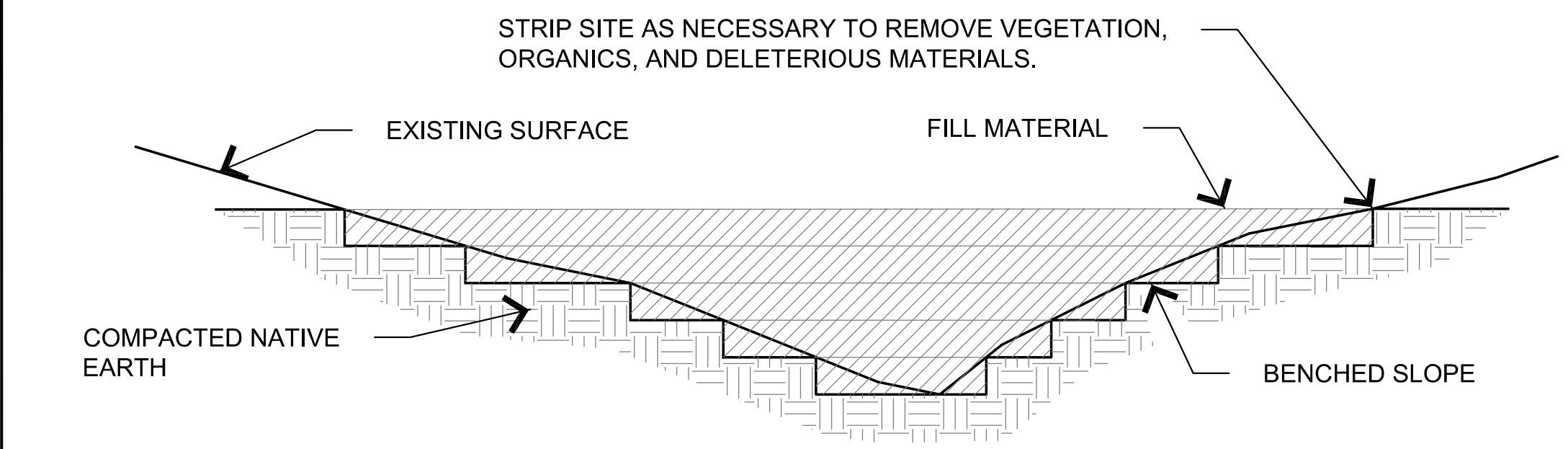
CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100			
PROJECT: 2020 Civil Details	PUBLISHED: 01/14/20 REVISIONS: 03/20/20 10/26/20	DRAWING INFORMATION: CIVIL DETAILS	
DRAWING INFORMATION: CONSTRUCTION DIVISION DRAWN BY: ARLON GOFORTH III	CHECKED BY:	C-602	



NOTE: INSTALL PER MANUFACTURE'S RECOMMENDATIONS.

1 SCOUR STOP EROSION CONTROL

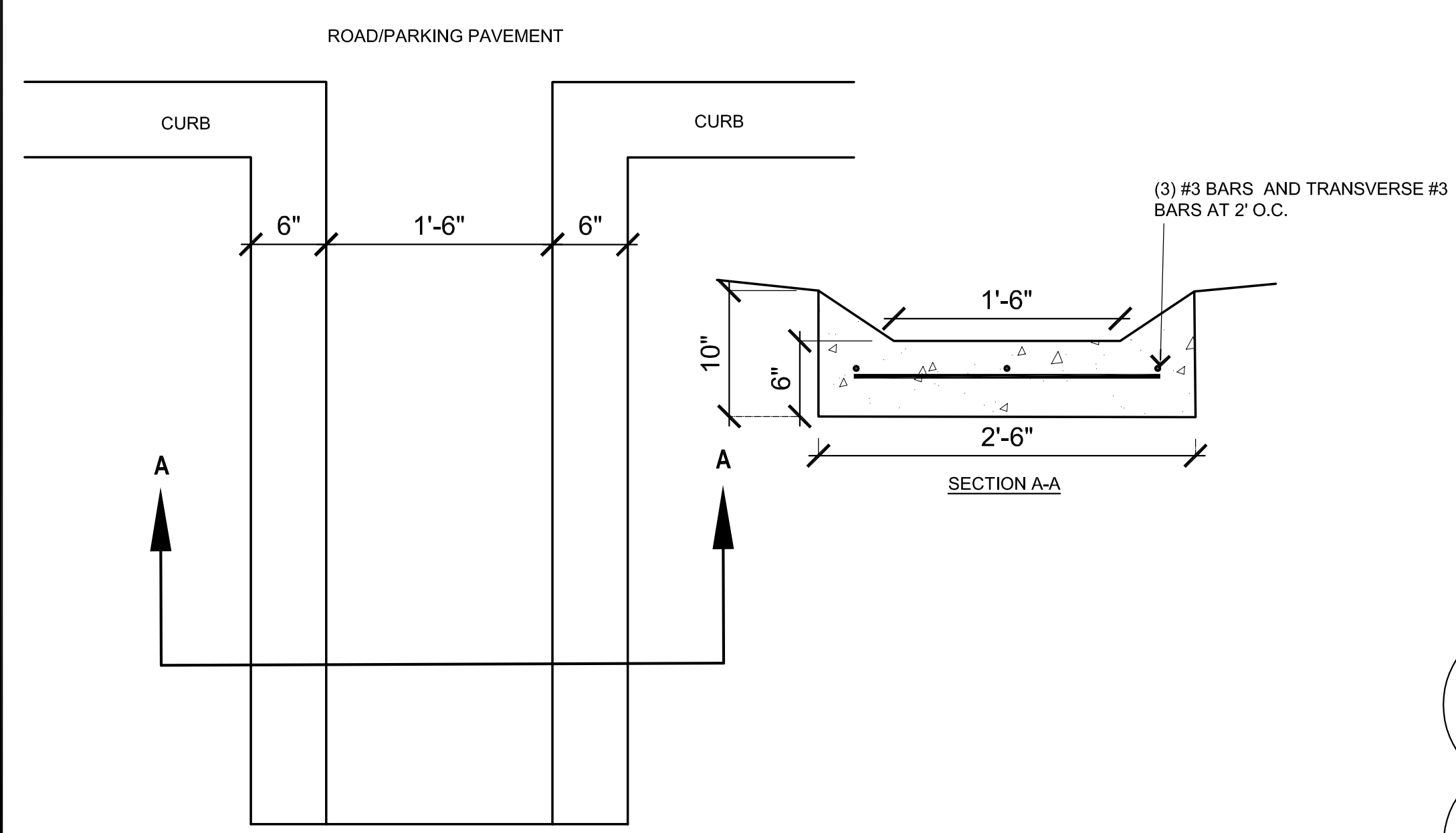
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- NOTES:**
1. BENCH SLOPES TO MAINTAIN VERTICAL SIDE SLOPES AT FILL LIMITS +/- 3' VERTICAL TO +/- 8' HORIZONTAL.
 2. COMPACTION SHALL BE IN 8" LIFTS TO 95% STANDARD PROCTOR OR OTHERWISE SPECIFIED IN GEOTECHNICAL REPORT. SCARIFY ORIGINAL GROUND AND BLEND WITH FIRST LIFT ON EACH BENCH.
 3. ALL FILL MATERIALS, INCLUDING FILL GENERATED ON-SITE, SHALL BE OF SUITABLE MATERIAL. UNSUITABLE FILL MATERIAL INCLUDES, BUT IS NOT LIMITED TO, SOIL THAT CONTAINS LARGE ROCKS, TREE AND PLANT ROOTS, CONCRETE, TRASH, ETC.

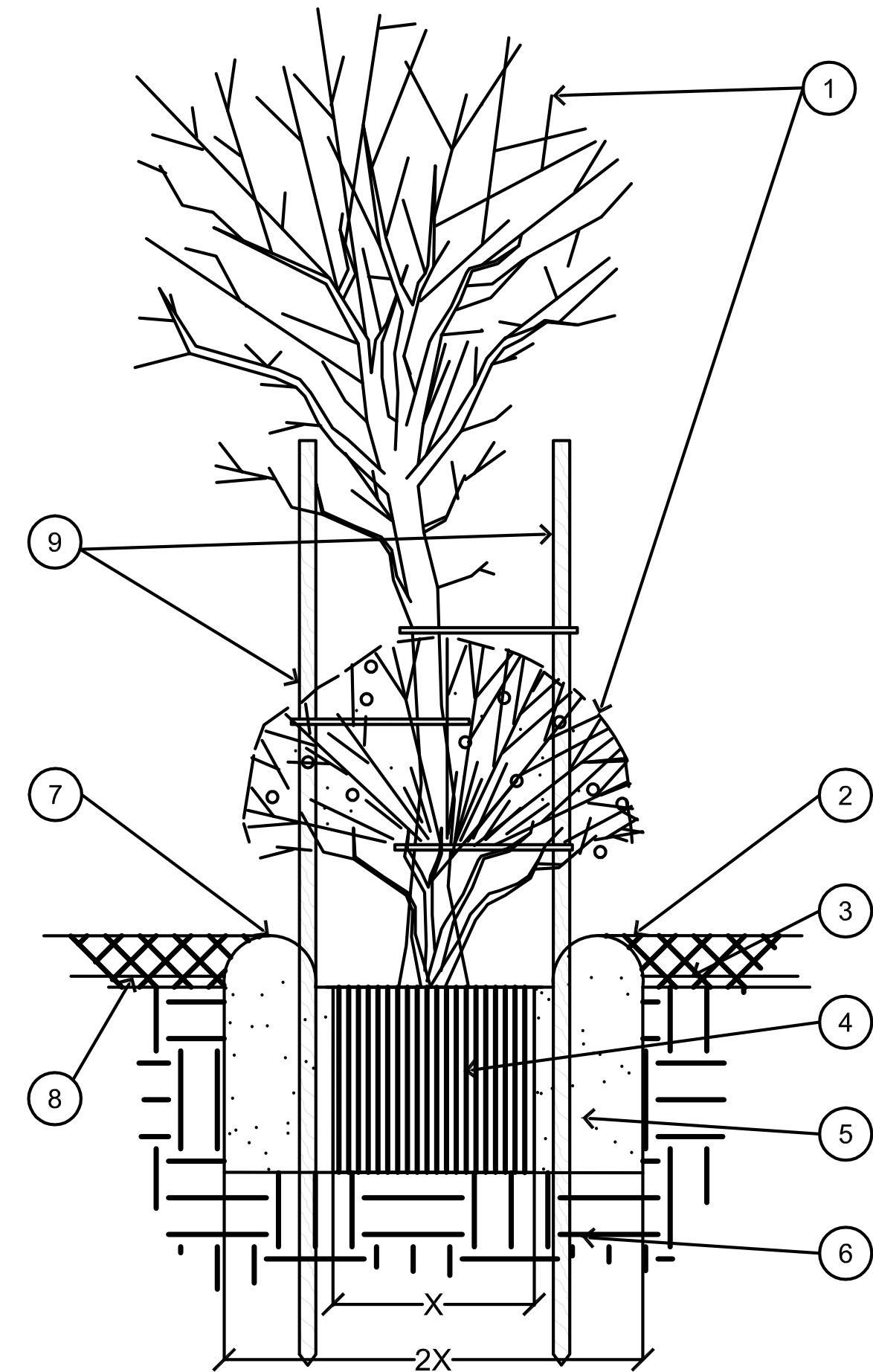
2 TYPICAL FILL SECTION

Not to Scale



3 CURB CUT FLUME DETAIL

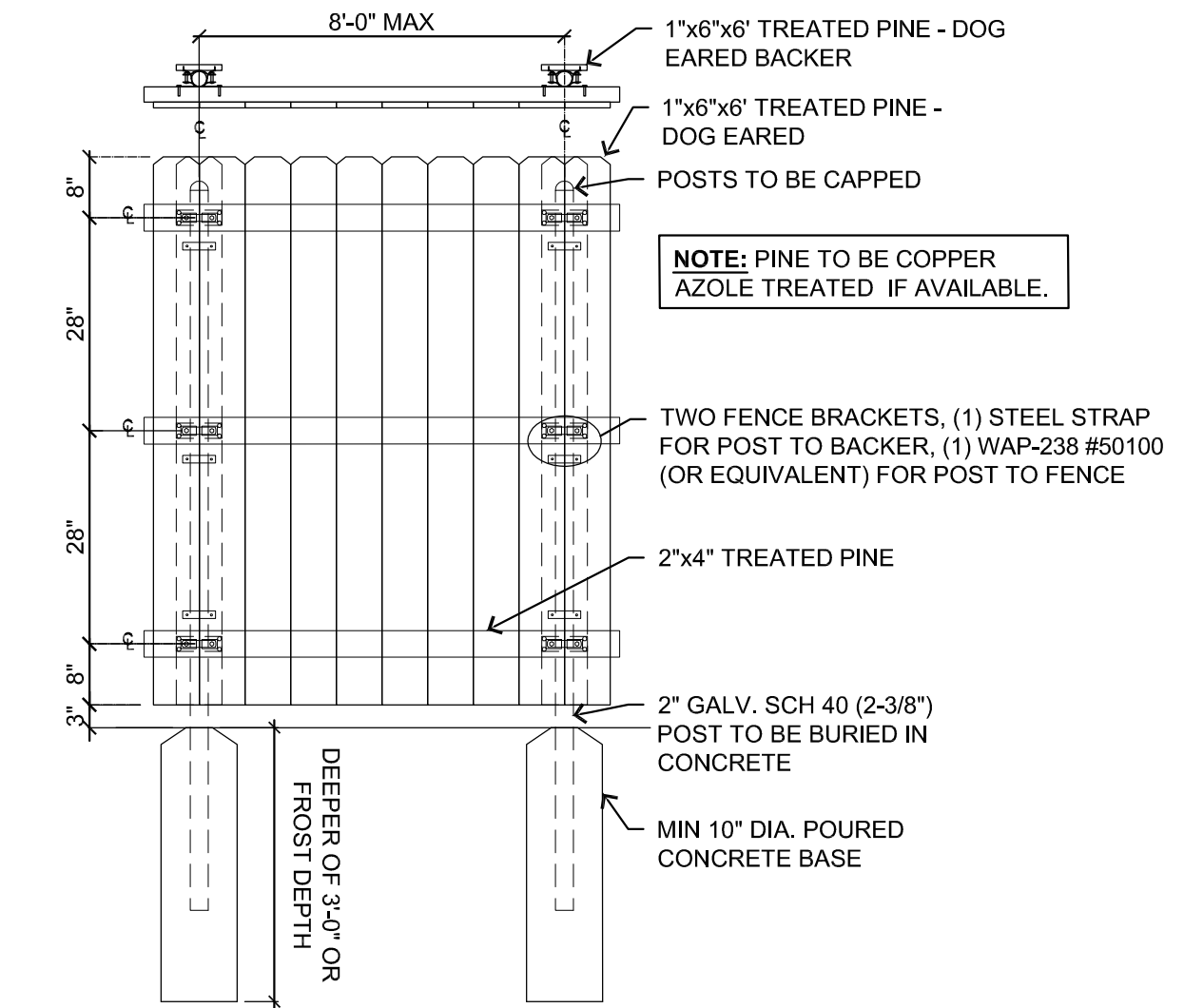
Not to Scale



1. TREE/SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
2. GROUNDCOVER: 3" DEPTH OF 3/4" WASHED STONE OR WASHED BRICK CHIPS AS INDICATED IN LANDSCAPING PLAN.
3. FINISH GRADE.
4. ROOT BALL.
5. BACKFILL, AMEND AND FERTILIZE AS RECOMMENDED BY LOCAL SUPPLIER.
6. UNDISTURBED NATIVE SOIL.
7. 3" HIGH EARTHEN WATERING BASIN.
8. HEAVY WEED FABRIC UNDER GROUNDCOVER.
9. FOR TREES, 2 STAKES/GUIDEPOSTS MIN; 3 REQ ON SLOPES WITH TIES.

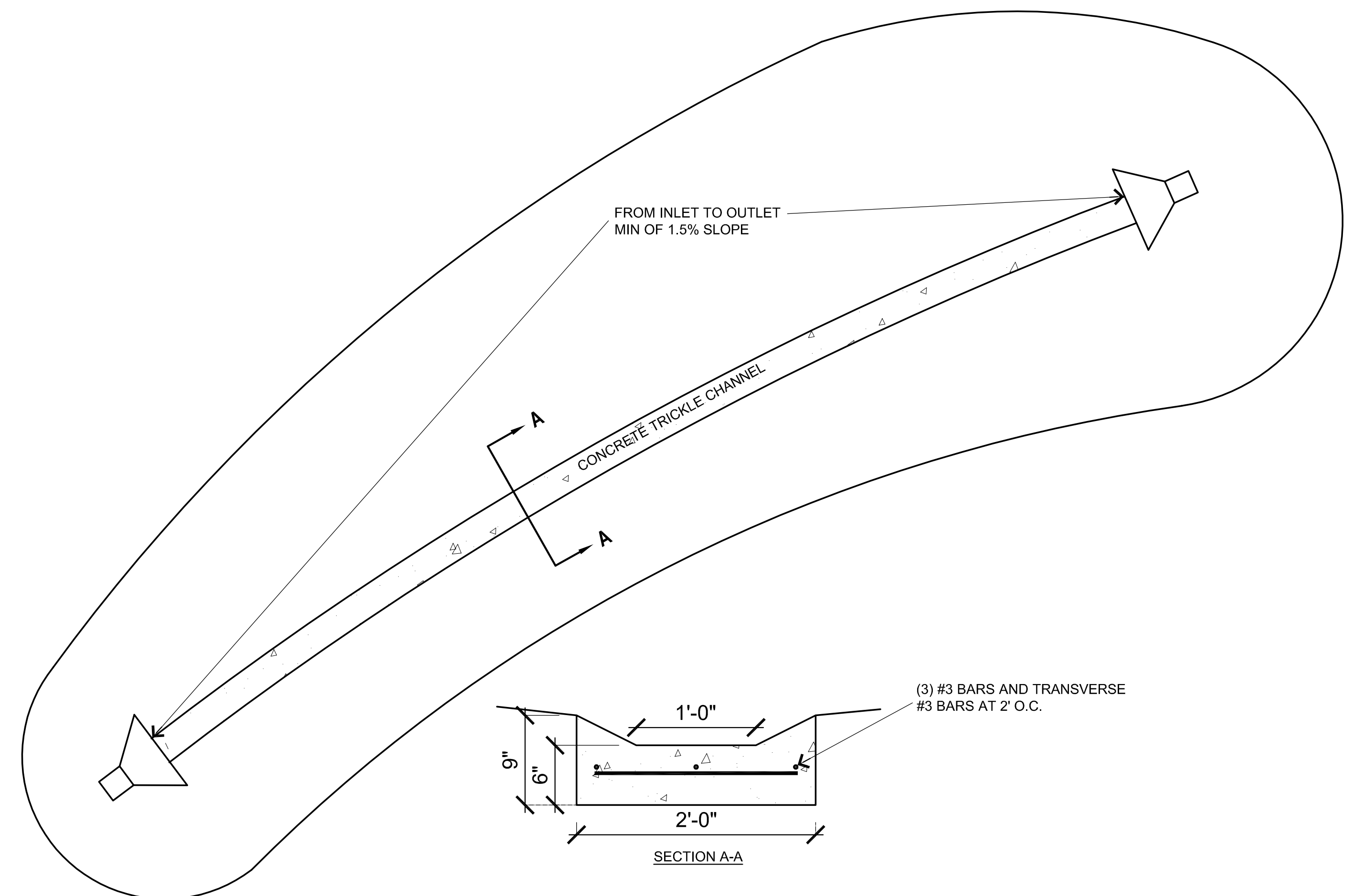
4 PLANT/TREE INSTALLATION

Not to Scale



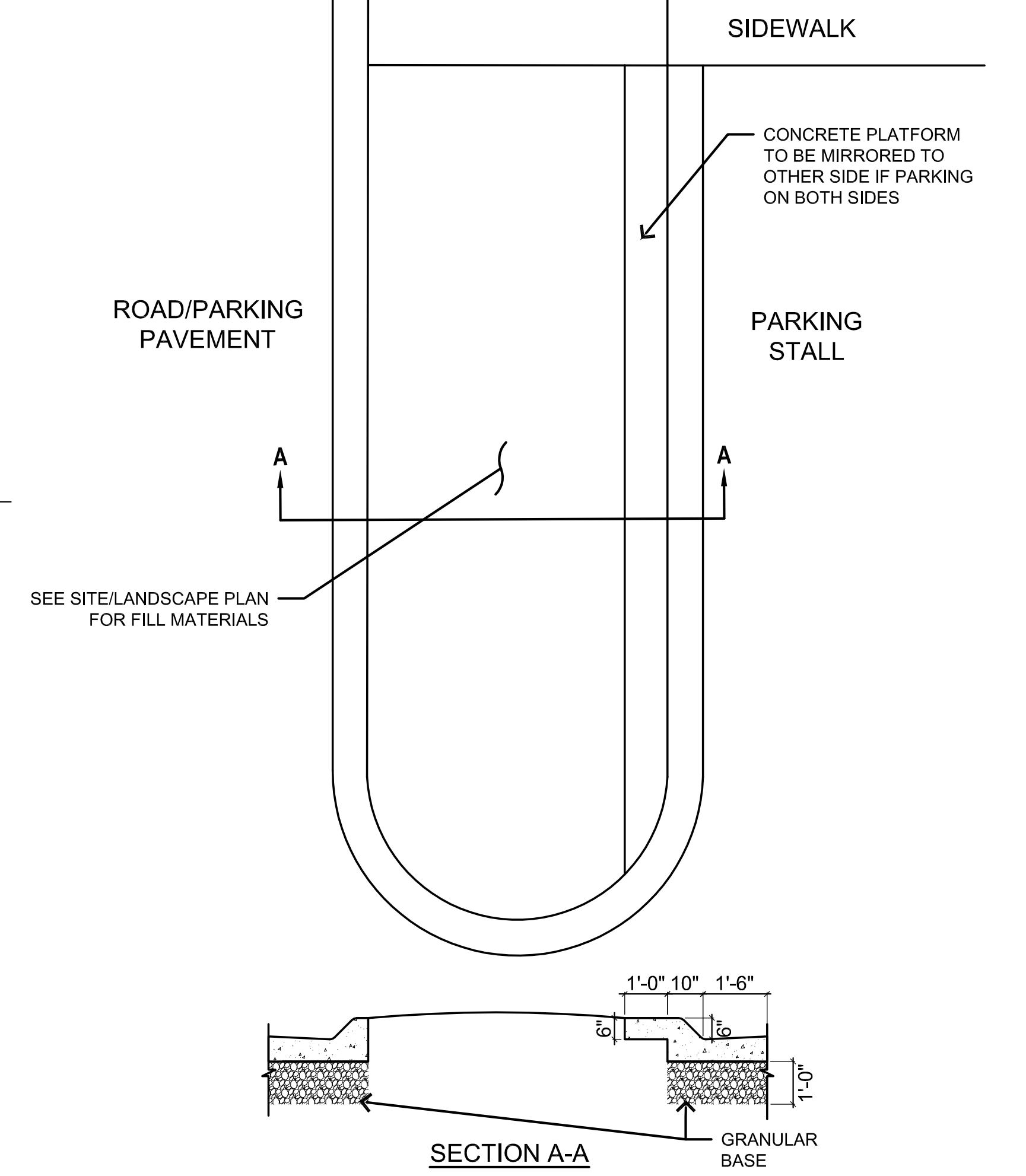
5 SCREEN/PRIVACY FENCE

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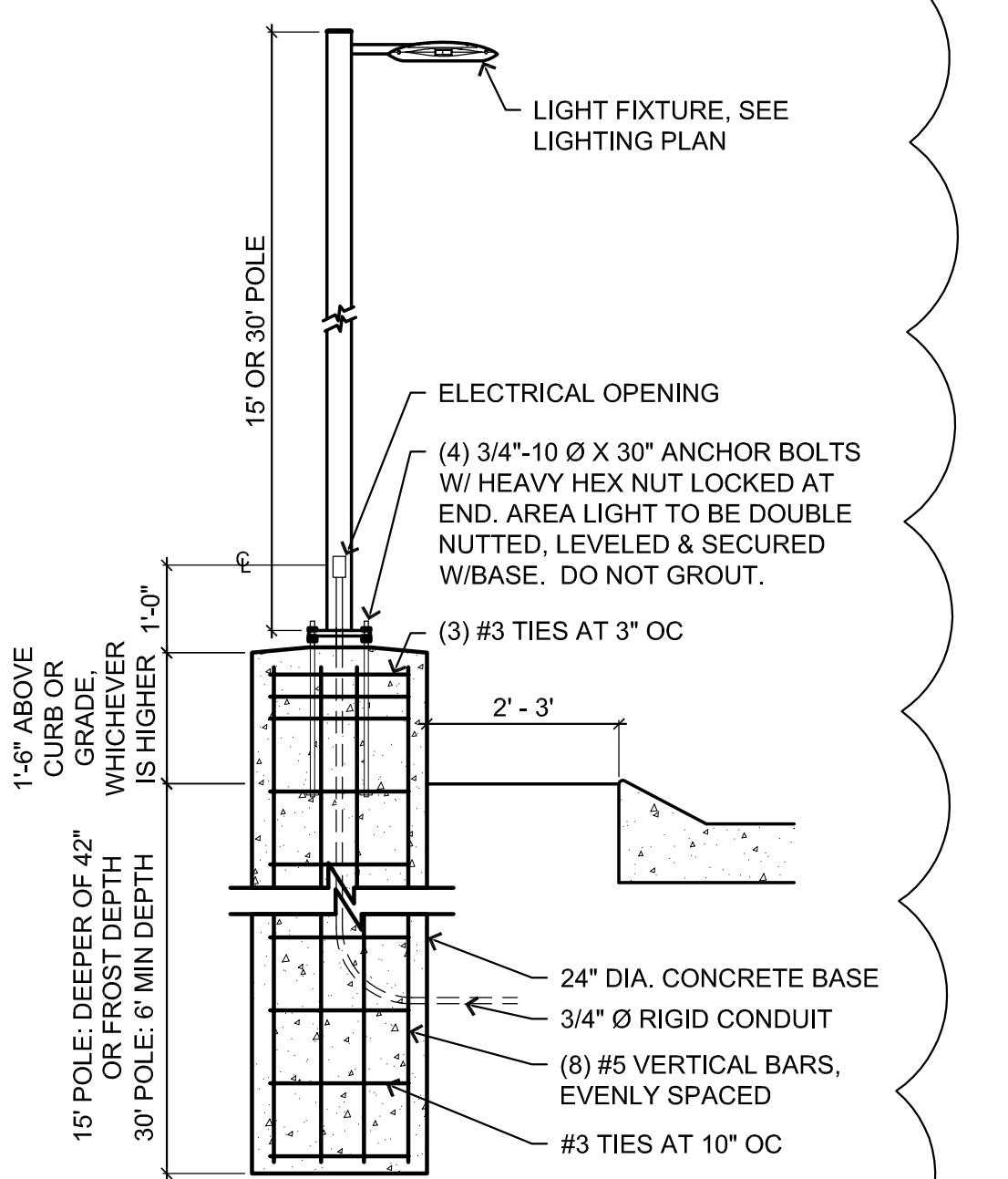
6 TRICKLE CHANNEL DETAIL

Not to Scale



7 PARKING LANDSCAPE ISLAND DETAIL

3/8" = 1'-0"



8 AREA LIGHTING

1/2" = 1'-0"

2

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PROJECT: 2020 Civil Details	PUBLISHED: 01/14/20 REVISIONS: 03/20/20 10/26/20
DRAWING INFORMATION: CONSTRUCTION DIVISION DRAWN BY: ARLON GOFORTH III	CHECKED BY: CIVIL DETAILS C-603

