

IMPROVEMENT PLANS

TACO BELL

MAPLE STREET AND COMMONS BOULEVARD
CARROLLTON, GEORGIA 30117
JANUARY 2022



PROJECT DESCRIPTION

THE PROPOSED PROJECT SITE CURRENTLY SITS AS VACANT LAND PREVIOUSLY GRADED AND SEEDED AS PART OF THE MAPLE STREET COMMONS DEVELOPMENT. THIS PROJECT PROPOSES TO CONSTRUCT A TACO BELL RESTAURANT WITH PAVED DRIVE THRU AND PARKING AREAS. A CONCRETE PATIO WILL BE CONSTRUCTED ON THE SOUTH SIDE OF THE BUILDING WITH CONCRETE SIDEWALKS CONNECTING THE BUILDING TO THE PROPOSED PARKING LOT. CONSTRUCTION WILL INCLUDE A NEW UNDERGROUND STORM CONVEYANCE SYSTEM, SANITARY LATERAL, WATER CONNECTION, GAS CONNECTION, AND ELECTRIC/COMMUNICATIONS CONNECTION.

GEORGIA SPECIFICATION

THE STANDARD SPECIFICATIONS OF THE STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT UNLESS LOCAL REGULATIONS ARE MORE STRINGENT. IF MORE STRINGENT, THE LOCAL JURISDICTION'S SPECIFICATIONS LISTED IN THE PROPOSAL TAKE PRECEDENT.

PLAN REPRODUCTION WARNING
THE PLANS HAVE BEEN PREPARED
FOR PRINTING ON ANSI D (22"x34")
SHEETS. PRINTING ON OTHER SIZE
SHEETS MAY DISTORT SCALES.
REFER TO GRAPHIC SCALES.

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REV	DATE	REMARKS
1	03/16/2022	CITY COMMENTS
2	03/17/2022	ISSUED FOR RSCS BID
3	04/01/2022	ISSUED FOR BID

CONTRACT DATE: XX.XX.XX

BUILDING TYPE: END 20

PLAN VERSION: JANUARY 2021

BRAND DESIGNER:

SITE NUMBER: 315462

STORE NUMBER: _____

PA/PM: SM

DRAWN BY.: AM

JOB NO.: 2021088.49

TACO BELL

NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



END-20
TITLE SHEET

TS-001

PLOT DATE:

(CLERK OF COURT RECORDING INFORMATION)

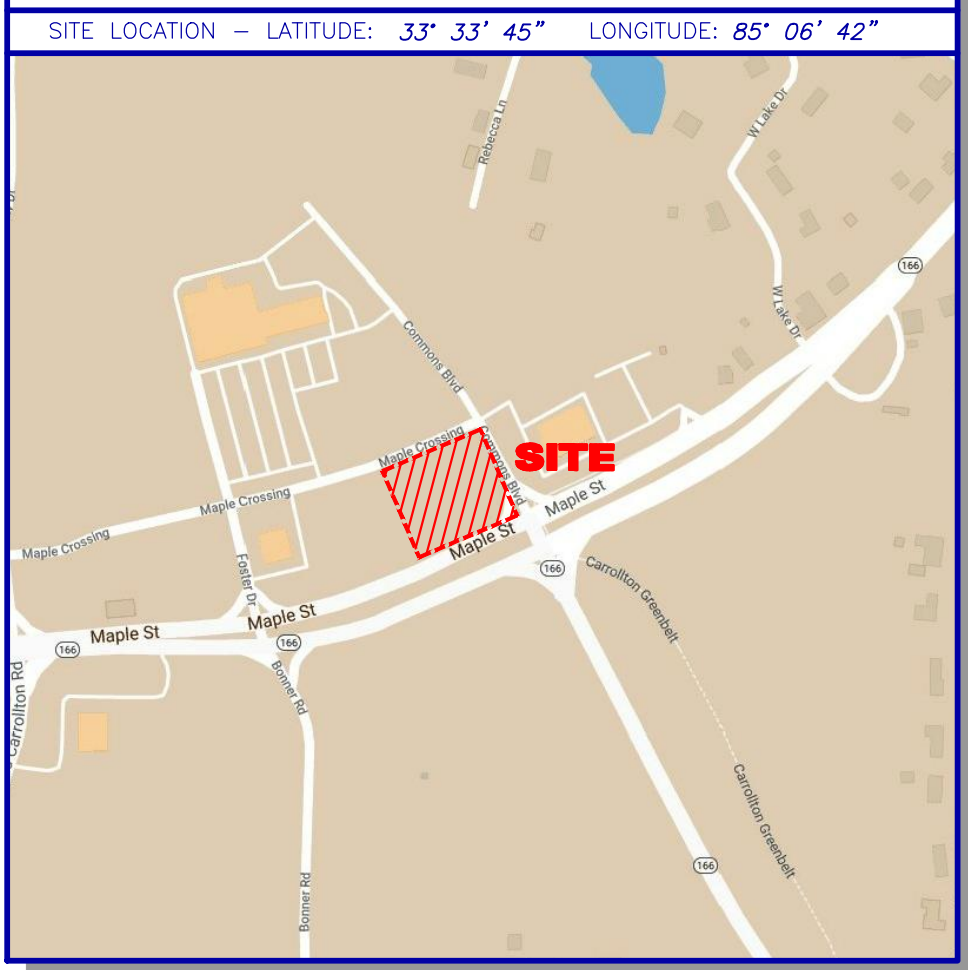


GRID NORTH - GA. WEST ZONE

SITE PHOTOGRAPHS



VICINITY MAP



GENERAL NOTES

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE PERSON OR ENTITIES NAMED HEREON. NO EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE INFORMATION SHOWN HEREON IS TO BE EXTENDED TO ANY PERSONS OR ENTITIES OTHER THAN THOSE SHOWN HEREON.

REVISIONS LISTED ON THIS SURVEY APPLY ONLY TO THE SPECIFIC CHANGES REFERENCED, AND DO NOT CONSTITUTE AN UPDATE OF OTHER DATA ON THIS SURVEY. THE "SURVEY DATE" SHOWN HEREON IS THE APPLICABLE DATE AS RELATED TO PROVISIONS OF STATUTES OF LIMITATION UNLESS SPECIFICALLY NOTED OTHERWISE.

THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE INSPECTION REPORT. EASEMENTS OR OTHER ENCUMBRANCES MAY EXIST ON PUBLIC RECORD BUT NOT BE SHOWN HEREON.

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAPS FOR THIS AREA. THE FIRST MAP NUMBER FOR THIS AREA IS 13045C02530, AND THE DATE OF SAID MAP IS SEPTEMBER 19, 2007. THE SECOND MAP NUMBER FOR THIS AREA IS 13045C02610, AND THE DATE OF SAID MAP IS SEPTEMBER 19, 2007. THIS DETERMINATION WAS MADE BY GRAPHICALLY DETERMINING THE POSITION OF THIS SITE ON SAID FIRM MAPS UNLESS OTHERWISE NOTED.

THE DATUM FOR THIS SITE WAS ESTABLISHED UTILIZING GLOBAL POSITIONING SYSTEMS, AND BASED ON POSITIONAL VALUES FOR THE VIRTUAL REFERENCE STATION NETWORK DEVELOPED BY eGPS SOLUTIONS. THE HORIZONTAL REFERENCE FRAME IS NORTH AMERICAN DATUM OF 1983(2011)-STATE PLANE COORDINATE SYSTEM OF GEORGIA-WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988. ANY DIRECTIONS OR DIMENSIONS SHOWN ARE A RECTANGULAR, GROUND LEVEL PROJECTION OF THE STATE PLANE COORDINATE SYSTEM.

NO ZONING REPORT OR ZONING LETTER WAS PROVIDED TO THE SURVEYOR. THE SITE IS ZONED "PD" (MIXED USE PLANNED DEVELOPMENT DISTRICT) AS SHOWN ON THE ZONING MAP OF THE CITY OF CARROLLTON, GEORGIA, 2021 ZONING MAP.

ZONING AND SETBACKS SHOULD BE CONFIRMED AND VERIFIED BY PLANNING AND ZONING PRIOR TO DESIGN OR CONSTRUCTION ACTIVITIES.

RIGHT-OF-WAY LINES SHOWN ON THIS SURVEY THAT ARE NOT ACTUAL BOUNDARIES OF THE SUBJECT TRACT(S) ARE DEPICTED GRAPHICALLY AND ARE SHOWN APPROXIMATELY FOR INFORMATIONAL PURPOSES ONLY. SAID RIGHT-OF-WAY LINES SHOULD NOT BE UTILIZED FOR DESIGN PURPOSES.

SURVEY REFERENCES
1. ALTA/ACSM LAND TITLE SURVEY OF 2145 MAPLE STREET FOR COMMUNITY & SOUTHERN BANK, ETC., PREPARED BY GEOSURVEY, LTD., DATED JUNE 21, 2010.

SURVEYOR CERTIFICATION

This plat is a retracement of an existing parcel or parcels of land and does not subdivide or create a new parcel or make any changes to any real property boundaries. The recording information of the documents, maps, plats, or other instruments which created the parcel or parcels are stated herein. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION. AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. Furthermore, the undersigned land surveyor certifies that this plat complies with the minimum technical standards for property surveys in Georgia as set forth in the rules and regulations of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in O.C.G.A. Section 15-6-67.

David L. Hester
Georgia Registered
Land Surveyor # 3042



LEGEND

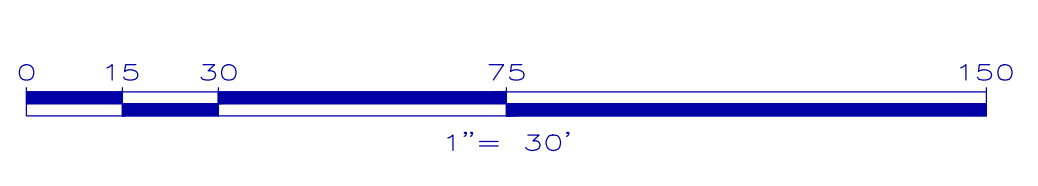
- STANDARD ABBREVIATIONS
- AC AIR CONDITIONER
 - BH BORE HOLE
 - BSL BUILDING SETBACK LINE
 - CI CURB INLET
 - CMF CORRUGATED METAL PIPE
 - CONF CONCRETE MONUMENT FND
 - CO SANITARY CLEANOUT
 - CPED COMMUNICATION PEDESTAL
 - CTP CRIMPED TOP PIPE
 - DI DROP INLET
 - DIP DUCTILE IRON PIPE
 - DWCB DOUBLE WING CATCH BASIN
 - FNC FENCE
 - FND FOUND
 - GM GAS METER
 - INV INVERT
 - JB JUNCTION BOX
 - MH MANHOLE
 - OCS OUTLET CONTROL STRUCTURE
 - OTF OPEN TOP PIPE
 - PM POWER METER
 - PKS PK NAIL SET
 - POB POINT OF BEGINNING
 - POC POINT OF COMMENCEMENT
 - RCP REINFORCED CONCRETE PIPE
 - RFR IRON REINFORCING BAR
 - RBS 5/8"RBS SET CAPPED LSF 621
 - SS SANITARY SEWER
 - SWCB SINGLE WING CATCH BASIN
 - TRANS ELECTRIC TRANSFORMER
- STANDARD SYMBOLS
- OVERHEAD TRAFFIC SIGNAL LIGHT
 - POWER POLE
 - GUY WIRE
 - POWER LINE
 - LIGHT POLE
 - ELECTRIC TRANSFORMER
 - WATER VAULT
 - GAS VALVE
 - GAS METER
 - WATER VALVE
 - WATER METER
 - FIRE HYDRANT
 - UNDERGROUND ELECTRIC LINE
 - UNDERGROUND GAS LINE
 - UNDERGROUND COMMUNICATION LINE
 - UNDERGROUND WATER LINE
 - PHOTO POSITION INDICATOR
 - REGULAR PARKING SPACE COUNT
 - HANDICAP PARKING SPACE
 - TREE POSITION INDICATOR
 - SIGN

IF YOU DIG



Know what's below.
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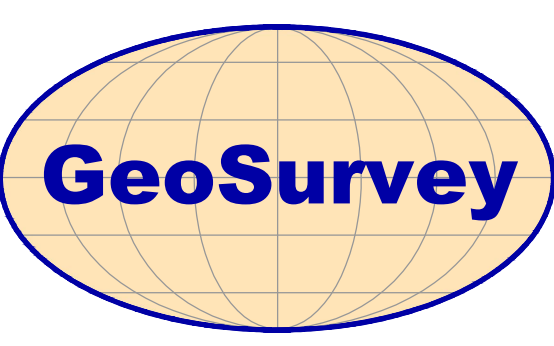
GRAPHIC SCALE



CLOSURE STATEMENT

THE FIELD CLOSURE UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 82,810, AND WAS UNADJUSTED. A TRIMBLE "S" SERIES TOTAL STATION AND TRIMBLE TSC-3 DATA COLLECTOR WERE USED TO COLLECT THIS FIELD DATA.

THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND WAS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 484,140 FEET - 6PPM - INT.



Land Surveying • 3D Laser Scanning

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Certificate of Authorization #LSF-000621

BOUNDARY & TOPOGRAPHIC SURVEY

Maple Street @ Commons Boulevard

FOR



GS JOB NO: 20103927		DRAWING SCALE: 1"= 30'		SURVEY DATE: DECEMBER 17, 2021	
FIELD WORK: SA		CITY: CARROLLTON STATE: GA		REVISIONS: (SEE GENERAL NOTES)	
PROJ MGR: CAB		COUNTY: CARROLL		No.	Description
REVIEWED: DLH		LAND LOT: 93		Date	
DWG FILE: 20103927-2.dwg		DISTRICT: 10th			

DEMOLITION NOTES

- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY DEMOLITION PROCESS. CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC GEORGIA ENVIRONMENTAL PROTECTION DIVISION OR LOCAL GOVERNING AUTHORITIES AIR PERMITS FOR INSTALLATION AND OPERATION. CONTRACTORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING GOVERNING BODIES. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION AND LOCAL GOVERNING AUTHORITIES TO DETERMINE ANY CORRECTIVE ACTIONS THAT MAY BE REQUIRED.
- DEMOLITION INCLUDES THE FOLLOWING:
 - TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).
 - DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS NECESSARY FOR THE PROPOSED CONSTRUCTION OF NEW IMPROVEMENTS.
 - REROUTING, RELOCATING, DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
- REMOVE AND LEGALLY DISPOSE OF ITEMS CALLED OUT TO BE REMOVED. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. THOSE ITEMS INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN SHALL BE CLEANED, SERVICED, AND OTHERWISE PREPARED FOR REUSE. CONTRACTOR TO STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
- PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS. PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.
- CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:
 - DETAILED SCHEDULE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.
 - DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
 - IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.
- REGULATORY REQUIREMENTS: COMPLY WITH GEORGIA ENVIRONMENTAL PROTECTION DIVISION NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS.
 - DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER'S REPRESENTATIVE AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.
- LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING BY THE UTILITY COMPANY.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. SAFE PASSAGE INCLUDES THE ERECTION OF TEMPORARY PROTECTION AND/OR BARRICADES AS PER LOCAL GOVERNING AUTHORITIES AND IN ACCORDANCE WITH THE CURRENT ADA REGULATIONS. USE OF EXPLOSIVES WILL NOT BE PERMITTED.
- CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. NO BURNING OF ANY MATERIALS ON SITE SHALL BE PERMITTED.
- IT IS NOT EXPECTED THAT ASBESTOS WILL BE ENCOUNTERED IN THE COURSE OF THIS CONTRACT. IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND THE OWNER.
- BELOW-GRADE DEMOLITION: COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING KNOWN AND UNKNOWN PAVEMENT SECTIONS INCLUDING UNDERLYING CONCRETE SLABS, AND OTHER BELOW GRADE CONCRETE SLABS FOUND DURING DEMOLITION (INCLUDING ITEMS WHICH MAY NOT BE IDENTIFIED HEREIN).
- FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS, PAVEMENTS, AND OTHER REMOVED ITEMS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS PER GEOTECHNICAL ENGINEERING REPORT AND ON-SITE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT GEOTECHNICAL ENGINEER PRIOR TO FILLING ANY AREAS TO OBSERVE FILL PROCEDURES.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
- CONTRACTOR TO WET SAWCUT EXISTING PAVEMENT TO REMAIN AT NEXT NEAREST JOINT PRIOR TO REMOVALS OF CURB, GUTTER, PAVEMENT, ETC.
- CONTRACTOR SHALL FULLY SECURE WORK AREA WITH THE APPROPRIATE SIGNAGE, FENCING, AND BARRICADES WHICH ACCOMMODATE VISUALLY IMPAIRED PERSONS AS AGREED UPON WITH SITE CONSTRUCTION/PROJECT MANAGER AND OWNER TO WARN AND KEEP PEOPLE OUT OF THE SITE WORK AREA FOR THE DURATION OF THE PROJECT.

GENERAL PLAN AND SURVEY NOTES

- AS USED HEREIN, ALL STATEMENTS OF "GPD" OR "GPD GROUP" SHALL REFER TO "GPD GROUP, PROFESSIONAL CORPORATION".
- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. 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.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "GEOTECHNICAL ENGINEERING REPORT".
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE GEOTECHNICAL ENGINEERING REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN GEOTECHNICAL ENGINEERING REPORT AND PLANS, ETC.
- THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.
- ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS).
- ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPALLTER. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS. AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE (SEE SWPP PLANS).
- THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP PROFESSIONAL CORPORATION AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.
- THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.
- DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURER'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN. IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK.
- CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
- THE BOUNDARY AND TOPOGRAPHIC SURVEY BY GEO SURVEY, DATED DECEMBER 17, 2021 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON GENERAL FIELD SURVEYS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO BECOME FAMILIAR WITH THE SITE'S POSSIBLE BELOW GRADE FEATURES, INCLUDING BUT NOT LIMITED TO, ROOMS, VAULTS, UTILITIES, ETC. AND SHALL CONDUCT A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR REPAIR TO DAMAGE CAUSED BY THEIR WORK FORCE TO FACILITIES WHICH ARE NOT INTENDED TO BE DISTURBED.
- ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

CONCRETE NOTES AND SPECIFICATIONS

- ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITIONS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE RESPECTIVE ASTM STANDARDS FOR MATERIALS USED, MIXING, TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.

SLAB THICKNESS - "T"	MAXIMUM JOINT SPACING
LESS THAN 4 INCHES	8 FEET
4 - < 5 INCHES	10 FEET
5 - < 6 INCHES	12.5 FEET
6 INCHES - < 8 INCHES	15 FEET
8 INCHES - 10 INCHES	15 FEET
- ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT SEALING MATERIALS SHALL COMPLY WITH ASTM D 3466 FOR HOT APPLIED ELASTOMERIC, TT-S-001543A FOR SILICONE RUBBER, AND TT-S-00230S FOR SINGLE COMPONENT ELASTOMERIC. SEALER WIDTH, DEPTH, AND PREPARED APPLICATION SURFACES SHALL BE PER MANUFACTURES RECOMMENDATIONS. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139 AND EXTEND THE FULL DEPTH OF CONTACTING SURFACE.
- ALL CONCRETE PANELS SHALL BE SQUARE WITH A LENGTH TO WIDTH RATIO NO GREATER THAN 1.25 TO 1 AND HAVE A MEDIUM BROOM FINISH (TRANSVERSE, SLIP RESISTANT FOR PEDESTRIAN PATHWAYS) WHICH SHALL BE TO MINIMUM STRENGTH PRIOR TO OPENING FOR VEHICULAR TRAFFIC AREAS. STAGGERED/OFFSET JOINT, INTERIOR CORNERS, ANGLES LESS THAN 60 DEGREES, SLABS LESS THAN 18-INCHES WIDE, AND ODD SHAPES SHALL NOT BE PERMITTED. BLOCKOUTS AROUND ALL PAVEMENT CASTINGS SHALL BE PROVIDED IN ACCORDANCE WITH ACI RECOMMENDATIONS.
- ALL JOINTING (IF) SHOWN HEREIN IS ONLY A GENERAL GUIDELINE OF DESIGN INTENT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRED CRACKS FORM THROUGH ANY PLACED CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF THEIR PAVEMENT JOINT LAYOUT TO OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT FOR RECORD. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH ACI STANDARDS, TO THE NEXT JOINT PAST THE EFFECTED AREA AT NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION.
- DESIGN INTENT CONCRETE AND SHALL CONFORM TO THE FOLLOWING MINIMUM AND MAXIMUM VALUES:

a. STRENGTH	PER MIX DESIGN, MINIMUM 4000 PSI
b. PORTLAND CEMENT CONTENT	560 LB / CY (ASTM C150 TYPE III)
c. POZZOLAN MATERIALS (SEE NOTES BELOW)	SILICA FUME MAY REPLACE MAX. 7% CEMENT FLY ASH OR SLAG CEMENT MAY REPLACE MAX. 20% CEMENT
d. MAX W/C RATIO	PER MIX DESIGN, MAXIMUM 0.45
e. ENTRAINED AIR	6.5% AVG ± 1.5% (7.0% TARGET) ASTM C260
f. SLUMP	4" MAX WITHOUT WATER REDUCER
g. SLUMP WITH HRWR OR MID RANGE WR	6" TO 8"
h. WATER REDUCER	NORMAL TYPE A (ASTM C494)
i. RETARDER	NORMAL TYPE B OR D AS NEEDED (REQUIRED IF CONCRETE TEMPERATURE EXCEEDS 85F)
j. CONCRETE TEMPERATURE AT PLACEMENT	50F-90F
k. ACCELERATOR	NON-CHLORIDE TYPE ONLY - CALCIUM CHLORIDE IS PROHIBITED
l. FIBERS TO BE USED FOR SHRINKAGE CRACK CONTROL - (CURBS, WALKS, STEPS, RAMPS)	POLYPROPYLENE OR POLYETHYLENE MICRO SYNTHETIC FIBERS @ 1.5 LBS / CY (FIBERMESH 300 OR APPROVED EQUAL)
- FOR USE AS W.W.F. REPLACEMENT (VEHICULAR TRAFFIC PAVEMENT)	MACRO SYNTHETIC FIBERS @ 4.0 LBS / CY (TUF-STRAIN SF OR APPROVED EQUAL)
- ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, ASTM A1064, ASTM A307, AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.
- CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLAN TICKET FROM THE SUPPLIER. SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR ADVERSE PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURES WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.
- CONTRACTOR SHALL HAVE A MIN. 5 YEARS EXPERIENCE WITH SUCCESSFUL PLACEMENT OF CONCRETE UTILIZING POZZOLAN MATERIALS. MIX DESIGNS WHICH UTILIZED POZZOLAN MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL DOT SPECIFICATIONS AND ACI STANDARDS. FLY ASH SHALL MEET THE REQUIREMENTS OF ASTM C618, CLASS C OR CLASS F, EXCEPT THE LOSS ON IGNITION MUST NOT EXCEED 5%. SLAG CEMENT ACCORDING TO ASTM C989, GRADE 100 MINIMUM. SILICA FUME SHALL BE DRY DENSIFIED MEETING THE REQUIREMENTS OF ASTM C1240. USE OF MATERIALS SHALL BE IN ACCORDANCE WITH ACI 211.1.
- AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY. SLAG AGGREGATES SHALL NOT BE PERMITTED IN ANY CONCRETE MIX.
- LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE PER ASTM C1315 TYPE I CLASS A IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE WHITE PIGMENTED AND TWO COATS APPLIED IN TWO PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURES RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS. APPLICATIONS SHALL BE PHOTOGRAPH DOCUMENTED FOR EVEN AND CONSISTENT COVERAGE SIMILAR TO THE APPEARANCE OF A BLANK WHITE SHEET OF COPY PAPER. NO POOLING OF MATERIAL SHALL BE ACCEPTED.
- CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURE FOR THE SEALER AND CURING COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY.
- REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 305R AND 306R FOR HOT AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

GRADING PLAN NOTES

- A GEOTECHNICAL ENGINEERING REPORT HAS BEEN PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC., DATED DECEMBER 20, 2021 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.
- BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN, NOTES AND DETAILS (SWPP), LANDSCAPE DRAWINGS AND GEOTECHNICAL ENGINEERING REPORT FOR TREATMENT OF EXISTING GRADE.
- PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.
- STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL ENGINEERING REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.
- OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL ENGINEERING REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR GEOTECHNICAL ENGINEERING REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-698. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT AND RETAIN A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE OF GEORGIA TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL ENGINEERING REPORT. MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTION REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.
- FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE.
- ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.
- WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.
- ALL GRADING NOTES:
 - MAX. CONSTRUCTED WALK CROSS SLOPE SHALL NOT BE MORE THAN 2.0%.
 - MAX. CONSTRUCTED WALK RUNNING SLOPE SHALL NOT BE MORE THAN 5.0%.
 - MAX. CONSTRUCTED CURB RAMP RUNNING SLOPE SHALL NOT BE MORE THAN 8.3%.
 - MAX. CONSTRUCTED SLOPE IN ANY DIRECTION WITHIN ADA PARKING, RAMP LANDINGS, AND LOADING AREAS SHALL NOT BE MORE THAN 2.0%.
 - ANY CONSTRUCTED AREAS WITH SLOPES MORE THAN CODE ALLOWABLE WILL NOT BE ACCEPTED AND WILL REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE AT NO ADDITIONAL COST TO THE PROJECT IN ORDER TO BE IN ACCORDANCE WITH CURRENT ADA REQUIREMENTS.

GENERAL UTILITY NOTES

- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER OF ANY TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING DATE.
- CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IMMEDIATELY.
- WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.
- UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.

SANITARY SEWER NOTES

- SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 5.9' BELOW FINISH FLOOR.
- CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS INDICATED.
- THE CONTRACTOR SHALL HIRE A LOCAL PLUMBER LICENSED WITH THE CITY OF CARROLLTON TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING LATERAL STUB. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTORS PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE WORKING SERVICE. COORDINATE ALL WORK WITH TOMMY HOLLAND (CITY OF CARROLLTON - CITY ENGINEER) AT 770.830.2000.
- ALL SANITARY PIPE MATERIAL SHALL BE 6" PVC, SDR 35 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212 UNLESS OTHERWISE REQUIRED BY THE LOCAL JURISDICTION.

STORM SEWER NOTES

- ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH INTERIOR PIPE (UNLESS OTHERWISE NOTED ON PLAN). HDPE PIPE SHALL CONFORM TO ASTM D 3350 AND JOINTS PER ASTM F477. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034 AND JOINTS PER ASTM D 3212 (OR APPROVED EQUAL).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING AND PIPE INSTALLATION, PIPE MATERIAL AND TAP CONNECTION. COORDINATE ALL WORK WITH TOMMY HOLLAND (CITY OF CARROLLTON - CITY ENGINEER) AT 770.830.2000.
- ALL DRAINAGE STRUCTURES AT PAVEMENT SUMPS SHALL HAVE FINGER DRAINS PER DETAILS IN PLANS.

WATER NOTES

- WATER SERVICE MATERIALS SHALL BE 2" COPPER TYPE "K". COPPER FITTINGS SHALL BE COMPRESSION TYPE BRASS. TAP PIECES AND METER COUPLINGS SHALL BE CAST BRASS THREADED TYPE, COPPER ALLOY NO. C83600, ASTM B62 OR ASTM B584. DIAMETER SHALL BE AS NOTED ON THESE PLANS AND SHALL BE INSTALLED WITH A MINIMUM COVER OF 48" OR BELOW FROST LINE, WHICHEVER IS GREATER.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CITY:
 - FURNISH WATER METER.
 - COORDINATE ALL WORK WITH TOMMY HOLLAND (CITY OF CARROLLTON - CITY ENGINEER) AT 770.830.2000.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - TAP MAIN.
 - INSTALL METER.
 - FURNISH AND INSTALL COPPER SERVICE LINE FROM MAIN TO BUILDING.
 - ALL TRENCHING AND BACKFILLING.
- CONTRACTOR SHALL PROVIDE 100% IRRIGATION PER CONSTRUCTION/PROJECT MANAGER AND CITY REQUIREMENTS. COORDINATE SLEEVE LOCATIONS WITH THE CONSTRUCTION/PROJECT MANAGER AND IRRIGATION CONSULTANT PRIOR TO PAVEMENT AND CURB INSTALLATION.

ELECTRICAL NOTES

- SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND LUMINAIRE DESCRIPTION.
- SEE ELECTRICAL DRAWINGS FOR ALL DEDICATED EXTERIOR BUILDING AND SIGN LIGHTING SCHEDULES. ELECTRICAL CONTRACTOR SHALL BALANCE LOADS WHERE REQUIRED.
- WHEN INSTALLING VERTICAL SWEEPS FOR UTILITY CONDUITS, CONTRACTOR SHALL USE SCHEDULE 80 DUCTS OF THE SIZE SHOWN ON THE ELECTRICAL DRAWINGS.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE ELECTRIC COMPANY:
 - FURNISH AND INSTALL PAD MOUNTED TRANSFORMER.
 - MAKE APPROPRIATE PRIMARY AND SECONDARY CONNECTIONS AT TRANSFORMER.
 - FURNISH AND INSTALL METER.
 - COORDINATE ALL WORK WITH CARROLL ELECTRIC MEMBERSHIP COOPERATIVE AT 770.830.5716.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - FURNISH AND INSTALL PVC SCHEDULE 40 DUCTS (SIZE AND COUNT AS REQUIRED BY ELECTRIC COMPANY AND ELECTRICAL DRAWINGS), INCLUDING ALL TRENCHING AND BACKFILLING.
 - FURNISH AND INSTALL SECONDARY WIRE FROM THE BUILDING TO THE TRANSFORMER.
 - FURNISH AND INSTALL METER BASE.
 - INCLUDE ALL FEES REQUIRED BY ELECTRIC COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.

TELEPHONE NOTES

- CONSTRUCTION AND MATERIALS PROVIDED BY THE TELEPHONE COMPANY:
 - PROVIDE AND INSTALL WIRING TO EXISTING SERVICE.
 - COORDINATE ALL WORK WITH JADE DAVIS (CHARTER SPECTRUM) AT 315.314.5558.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - FURNISH AND INSTALL ONE 2" PVC SCH. 40 CONDUIT WITH PULLWIRE FROM THE BUILDING TO EXISTING SERVICE.
 - ALL TRENCHING AND BACKFILLING.
 - INCLUDE ALL FEES REQUIRED BY TELEPHONE COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.
- CONTRACTOR SHALL COORDINATE THE NUMBER OF LINES REQUIRED WITH THE CONSTRUCTION/ PROJECT MANAGER.

NATURAL GAS NOTES

- CONSTRUCTION AND MATERIALS PROVIDED BY THE GAS COMPANY:
 - TAP MAIN.
 - FURNISH AND INSTALL SERVICE FROM TAP TO BUILDING.
 - ALL TRENCHING AND BACKFILLING.
 - FURNISH AND INSTALL METER.
 - COORDINATE ALL WORK WITH JUSTIN HANCOCK (ATLANTA GAS AND LIGHT) AT 404.558.5746.
- CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
 - FURNISH AND INSTALL SERVICE FROM METER TO BUILDING AND THROUGHOUT THE BUILDING.
 - CONTRACTOR SHALL INCLUDE ALL FEES REQUIRED BY THE GAS COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.

CABLE NOTES

- INSTALL 4" CABLE TVSS CONDUIT PER CITY, STATE OR NEC CODE, WHICHEVER IS MORE STRINGENT (FOR UTILITY USE). SEE ELECTRICAL SHEETS FOR DETAILS. TERMINATE CABLE CONDUIT AT RIGHT-OF-WAY. PROVIDE END CAP AND NOTE LOCATION ON AS-BUILT DRAWINGS.

EXISTING GENERAL LEGEND	
	OVERHEAD TRAFFIC SIGNAL LIGHT
	POWER POLE
	GUY WIRE
	POWER LINE
	LIGHT POLE
	ELECTRIC TRANSFORMER
	WATER VAULT
	GAS VALVE
	GAS METER
	WATER VALVE
	WATER METER
	FIRE HYDRANT
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND GAS LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND WATER LINE
	TREE POSITION INDICATOR
	SIGN



END-20
GENERAL NOTES

C-001

PLOT DATE:

GENERAL NOTES

1. THE CITY OF CARROLLTON'S EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES ARE ALSO PROVIDED ON THIS SHEET FOR CONTRACTOR'S REFERENCE. IF CONFLICTS ARISE TO OTHER PLAN NOTES OR DETAILS, THE MORE RESTRICTIVE SHALL GOVERN UNLESS DIRECTED OTHERWISE BY THE SWPP REGULATORY REPRESENTATIVE.
 2. THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORSEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, CITY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION COMMISSION REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
 3. ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
 4. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
 5. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS.
 6. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.
 7. SILT BARRIERS, CONSTRUCTION EXITS, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
 8. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION.
 9. CONSTRUCTION EXIT SHALL BE UTILIZED. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
 10. IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL ENSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
 11. CONCRETE WASHOUT FACILITY (IF APPLICABLE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.
 12. IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO STATE OF GEORGIA CONSTRUCTION GENERAL PERMIT GAR100001 AND THE CITY OF CARROLLTON CODIFIED ORDINANCES. IF A CONFLICT EXISTS BETWEEN THE TWO REGARDING EROSION AND SEDIMENT CONTROL IMPLEMENTATION, THE MORE RESTRICTIVE SHALL APPLY.
 13. DISTURBED AREAS WITHIN 50' OF A STREAM SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 2 DAYS OF FINAL GRADE.
 14. DISTURBED AREAS WHICH WILL REMAIN DORMANT FOR OVER 1 YEAR OR ARE AT FINAL GRADE SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 7 DAYS OF LAST EARTHWORK DISTURBANCE.
- INSPECTION NOTES
1. CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER EVERY 1/2" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
 2. CONTRACTORS INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. ONLY A QUALIFIED INSPECTION PERSONNEL IS TO PERFORM THE INSPECTIONS. SITE INSPECTIONS SHALL BE DONE WEEKLY AND WITHIN 24 HRS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.
 3. CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION, WHICH INCLUDE BUT NOT LIMITED TO (DISTURBED AREAS, MATERIAL STORAGE AREAS, EROSION AND SEDIMENT CONTROLS, DISCHARGE LOCATIONS AND VEHICLE ENTRANCE/EXIT LOCATIONS). SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.
 4. REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.
 5. CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE LOCAL AND STATE GOVERNING AUTHORITIES FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED AND DORMANT FOR A LONG PERIOD, AND/OR THE RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR AN EXTENDED PERIOD OF TIME (FROZEN GROUND).
 6. FOR BMPS THAT REQUIRE REPAIR OR MAINTENANCE - NON SEDIMENT POND BMPS ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
 7. FOR BMPS THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
 8. FOR MISSING BMPS REQUIRED, THE MISSING BMPS SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

SPILLS AND CONTAMINATION

1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
 - a. PREVENT SPILLS
 - b. USE PRODUCTS UP
 - c. FOLLOW LABEL DIRECTIONS FOR DISPOSAL
 - d. REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
 - e. RECYCLE WASTES WHENEVER POSSIBLE
 - f. DONT POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
 - g. DONT POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
 - h. DONT BURY CHEMICALS OR CONTAINERS
 - i. DONT BURN CHEMICALS OR CONTAINERS
 - j. DONT MIX CHEMICALS TOGETHER
2. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION.
3. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION.
4. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CDD) WASTE MUST BE DISPOSED OF AT THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION APPROVED CDD&D LAND FILL.
5. PROCESS WASTE WATER/LEACHATE MANAGEMENT : GEORGIA ENVIRONMENTAL PROTECTION DIVISION'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
6. WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.
7. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.
8. HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
9. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS. IN AN AREA DESIGNATED FOR THAT PURPOSE, THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL, AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION / DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.
11. CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR WATER DISCHARGES FROM CONTAMINATED SOILS BY ANY MEANS POSSIBLE, INCLUDING THE FOLLOWING:
 - 11.1. THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES.
 - 11.2. PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY.
 - 11.3. COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.

TEMPORARY SEEDING

1. TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
 - 1.1. ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
 - 1.2. ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
 - 1.3. DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.
2. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
3. TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS, BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
4. ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
5. SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
6. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

MULCH

1. MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
 - 2.1. STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB/1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.
 - 2.2. WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC. OR 46 LB/1,000 SQ. FT.
 - 2.3. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
 - 3.1. USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
 - 3.2. USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
 - 3.3. FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGR-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
 - 3.4. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/1000 GAL. OF WOOD CELLULOSE FIBER.

DUST CONTROL NOTES

1. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
2. DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED, SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.
3. SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING:
 - 3.1. CONSTRUCTION SEQUENCING AND DISTURBING ONLY SMALL AREAS AT A TIME CAN GREATLY REDUCE PROBLEMATIC DUST FROM THE SITE. IF LAND MUST BE DISTURBED, ADDITIONAL TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO DISTURBANCES.
 - 3.2. APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS.
 - 3.3. SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED. ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS MAY BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
 - 3.4. GRADED ROADWAYS AND OTHER SUITABLE AREAS MAY BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
 - 3.5. EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING SOIL.
 - 3.6. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT SHOULD BE APPLIED AS NEED TO ACCOMPLISH SATISFACTORY CONTROL.
 - 3.7. PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

DEWATERING

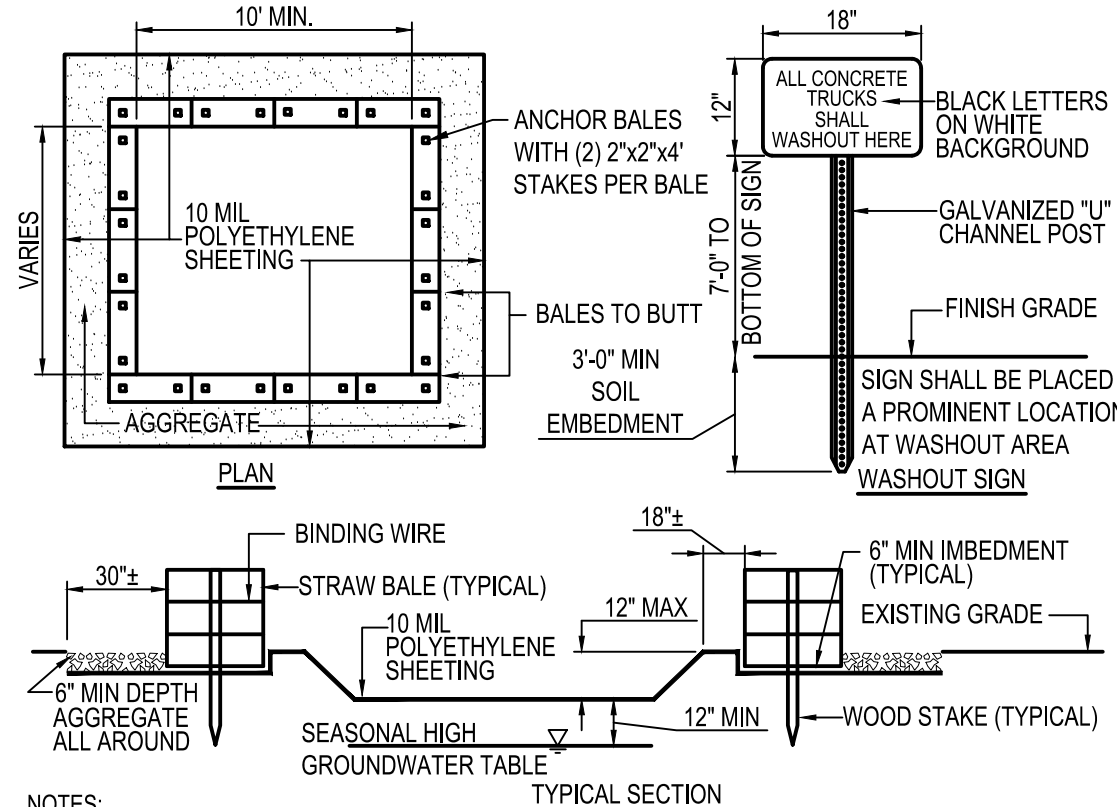
DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING.

PRACTICES FOR DEWATERING EXCAVATED AREAS

1. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE CONTAINED WITHOUT DISCHARGE TO RECEIVING WATERS.
2. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE MANAGED WITHOUT EXCEEDING THE DESIGN OUTFLOW FROM THE SEDIMENT CONTROL STRUCTURE.
3. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY.
4. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
5. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE.
6. USE A PUMP PIT TO REDUCE THE PUMPING OF MUD.

DEWATERING OF SEDIMENT TRAPS AND BASINS. IN ALL CASES, WATER REMOVED FROM TRAPS AND BASINS SHALL BE DISCHARGED SO THAT IT PASSES THROUGH A SEDIMENT CONTROL DEVICE APPROVED BY THE LOCAL GOVERNING AUTHORITY PRIOR TO ENTERING RECEIVING WATERS. PRACTICES FOR DEWATERING OF TRAPS AND BASINS MAY INCLUDE SOME OR ALL OF THE FOLLOWING AS MAY BE APPROVED AND APPLICABLE. IN ALL CASES, THE DEWAERING OPERATIONS UTILIZED MUST BE CONTINUOUSLY MONITORED BY THE CONTRACTOR.

1. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP.
 - 1.1. AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A HAY OR STRAW BALE OR RIPRAP.
 - 1.2. MEASURES SHALL CONSIST OF STRAW BALES, SILT FENCE AND A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND 1/2 TO 1 INCH AGGREGATE AND A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING.
 - 1.3. THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE).
 - 1.4. ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW), THE PUMP MUST BE STOPPED WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF THE WET STORAGE.
 - 1.5. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A WATERCOURSE.
 - 1.6. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS SHALL BE RETURNED TO ORIGINAL CONDITION.
2. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
 - 2.1. THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION.
 - 2.2. THE INLET OPENING OF THE DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE AND SHALL USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
 - 2.3. THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG.
 - 2.4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE.
 - 2.5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR PUMPING FLOW RATES.
 - 2.6. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL.
3. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE. SUCH OTHER METHODS AS MAY BE APPROVED BY THE LOCAL GOVERNING AUTHORITY.
4. REGARDLESS OF THE TYPE OF TREATMENT, ALWAYS USE A FLOATING SUCTION HOSE TO PUMP THE CLEANER WATER FROM THE TOP OF THE POND. AS THE CLEANER WATER IS PUMPED, THE SUCTION HOSE WILL LOWER AND EVENTUALLY ENCOUNTER SEDIMENT-LADEN WATER. AT THIS POINT CEASE PUMPING OPERATIONS AND REMOVE THE REMAINDER OF THE TRAPPED SEDIMENT WITH MACHINERY. EVEN WHEN PUMPING FROM THE TOP OF THE WATER COLUMN, PROVISIONS MUST STILL BE MADE TO FILTER WATER AS REQUIRED IN THIS SECTION PRIOR TO DISCHARGING TO A STREAM. DURING THE DEWATERING, PERSONNEL SHOULD BE ASSIGNED TO MONITOR PUMPING OPERATIONS AT ALL TIMES TO ENSURE THAT SEDIMENT POLLUTION IS ABATED. PUMPING SEDIMENT-LADEN WATER INTO THE WATERS OF THE STATE WITHOUT FILTRATION IS PROHIBITED.
5. THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE STRUCTURE.



- NOTES:
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
 4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT AREA

A5

N.T.S.

SECTION 6: DESIGN STANDARDS – EROSION, SEDIMENTATION AND POLLUTION CONTROL

The following standard notes shall be included, word for word in the order shown, on the design drawings (may be omitted from ESPCP if included elsewhere in the design drawings set):

1. The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to or concurrent with land disturbing activities.
2. Erosion control measures shall be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.
3. All disturbed areas shall be stabilized with mulch or temporary seeding as soon as practicable but in no case more than 14 days after disturbance.
4. Notify the City at least 72 hours prior to commencement of land disturbing activities. An inspector will be assigned and a pre-construction meeting held prior to commencement of land disturbance.
5. All contractors for erosion sedimentation and pollution control shall be approved by the City.
6. The contractor must notify the Utilities Protection Center at 1-800-282-7411 at least 72 hours prior to commencement of land disturbing activities.
7. Stripping of vegetation, grading and other development activities shall be conducted in such a manner so as to minimize erosion.
8. Cut and fill operations shall be kept to a minimum.
9. Development plans shall conform to topography and soil type so as to create the lowest practicable erosion potential.
10. Whenever feasible, natural vegetation shall be retained, protected and supplemented.
11. Disturbed areas and their duration of exposure to erosive elements shall be kept to a practicable minimum.
12. Disturbed soil shall be stabilized as quickly as practicable.
13. Temporary vegetation or mulching shall be employed to protect exposed critical areas during development.

CITY OF CARROLLTON DESIGN AND CONSTRUCTION STANDARDS PAGE 6-9

SECTION 6: DESIGN STANDARDS – EROSION, SEDIMENTATION AND POLLUTION CONTROL

14. Permanent vegetation and structural erosion control measures shall be installed as soon as practicable.
15. To the extent necessary, sediment in runoff waters shall be trapped by the use of debris basins, sediment basins, silt traps or similar measures until the disturbed area has been stabilized.
16. Adequate provisions shall be provided to minimize damage from surface water to the cut face of excavations or the sloping surfaces of fills.
17. Cuts and fills shall not endanger adjoining property.
18. Fills shall not encroach upon natural watercourses or constructed channels in a manner that would adversely affect other property owners.
19. Grading equipment must cross flowing streams by the means of bridges or culverts, except when such methods are not feasible. Feasibility shall be determined by the City, and such determination is final.
20. Stream crossings shall be kept to a minimum.
21. Temporary stream crossings shall be constructed in accordance with state and local regulations.
22. Adequate sedimentation and control facilities shall be provided for treating and/or controlling any and all sediment sources such that sediments are retained onsite and precluded from discharge to waters of the state.
23. No construction activities shall be conducted within a 25-foot buffer along the banks of any state waters (as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action) unless a formal waiver has been granted by the City.
24. Where the City grants a waiver, no construction activities shall be conducted within a 25-foot buffer state buffer without full compliance of state regulations and obtaining a variance if applicable.
25. Except as provided above for required buffers, no construction activities shall be conducted within buffers and all buffers shall remain in their natural, undisturbed state of vegetation.
26. Buffers may be thinned or trimmed of vegetation between the time of final site stabilization and submittal of the Notice of Termination. A protective vegetative cover must remain to protect water quality and aquatic habitat and a natural canopy must be left in sufficient quantity to keep shade on the streambed.

CITY OF CARROLLTON DESIGN AND CONSTRUCTION STANDARDS PAGE 6-10



REV	DATE	REMARKS
1	03/16/2022	CITY COMMENTS
2	03/17/2022	ISSUED FOR RSCS BID
3	04/01/2022	ISSUED FOR BID

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: END 20
PLAN VERSION: JANUARY 2021
BRAND DESIGNER:
SITE NUMBER: 315462
STORE NUMBER: _____
PA/PM: SM
DRAWN BY.: AM
JOB NO.: 2021088.49

TACO BELL

NWC OF MAPLE ST. AND COMMON BL
CARROLLTON, GA 30117



END-20
SWPP NOTES
AND DETAILS

C-010

PLOT DATE:

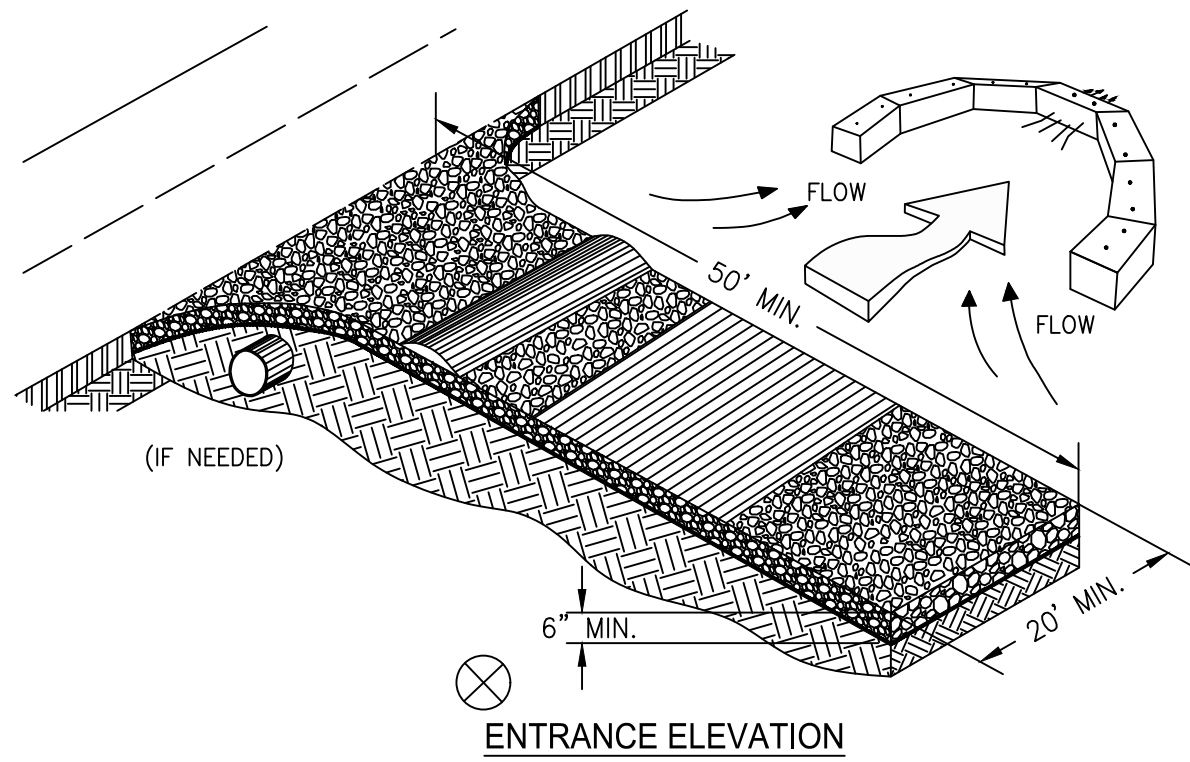
GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MR. JAKE BENDIK
Level II Certified Design Professional

CERTIFICATION NUMBER: 0000064688
ISSUED: 09/16/2014 EXPIRES: 09/16/2023

CRUSHED STONE CONSTRUCTION EXIT

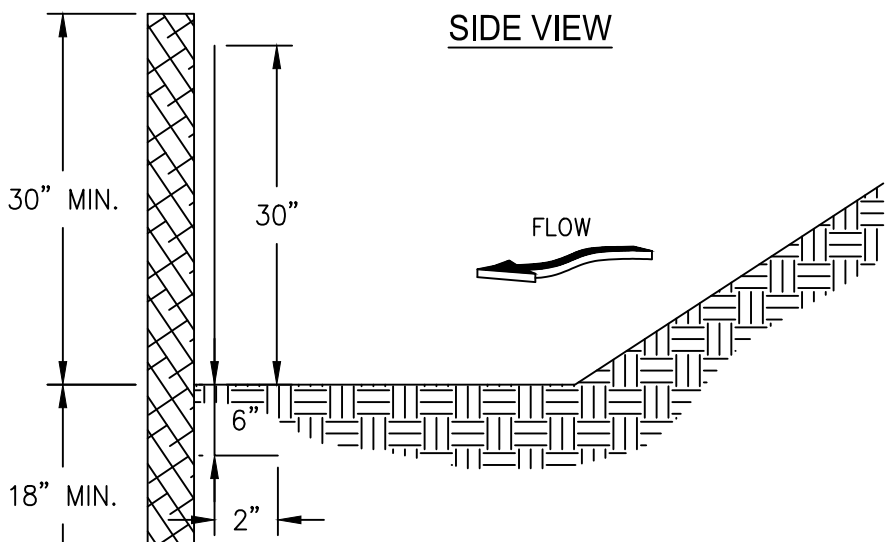
EXIT DIAGRAM



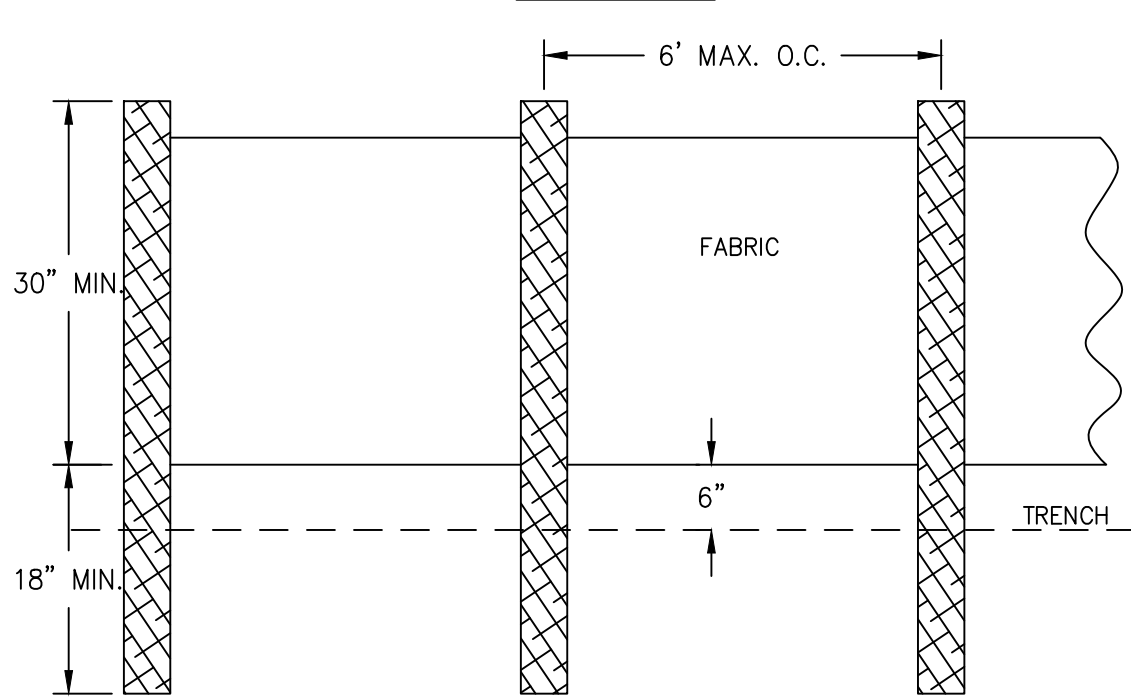
- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"–3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

SILT FENCE - TYPE NON-SENSITIVE

SIDE VIEW



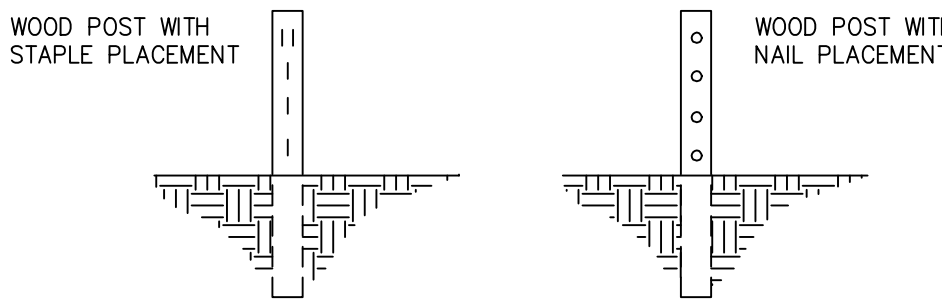
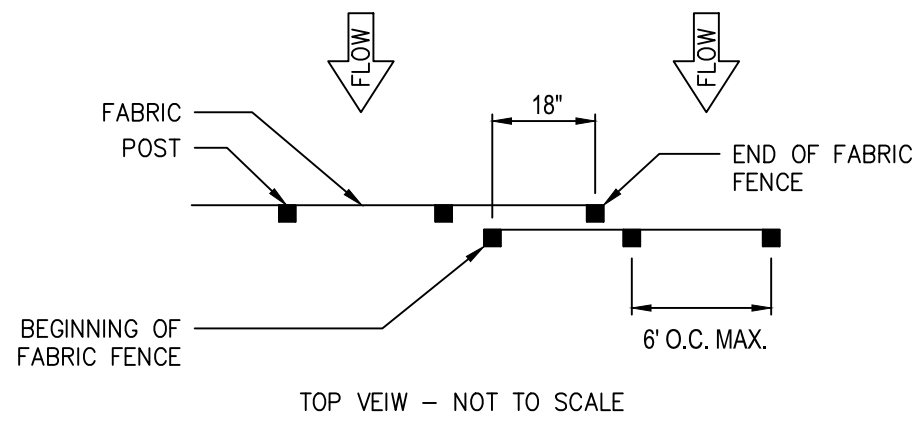
FRONT VIEW



- NOTES:**
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

FASTENERS FOR SILT FENCES

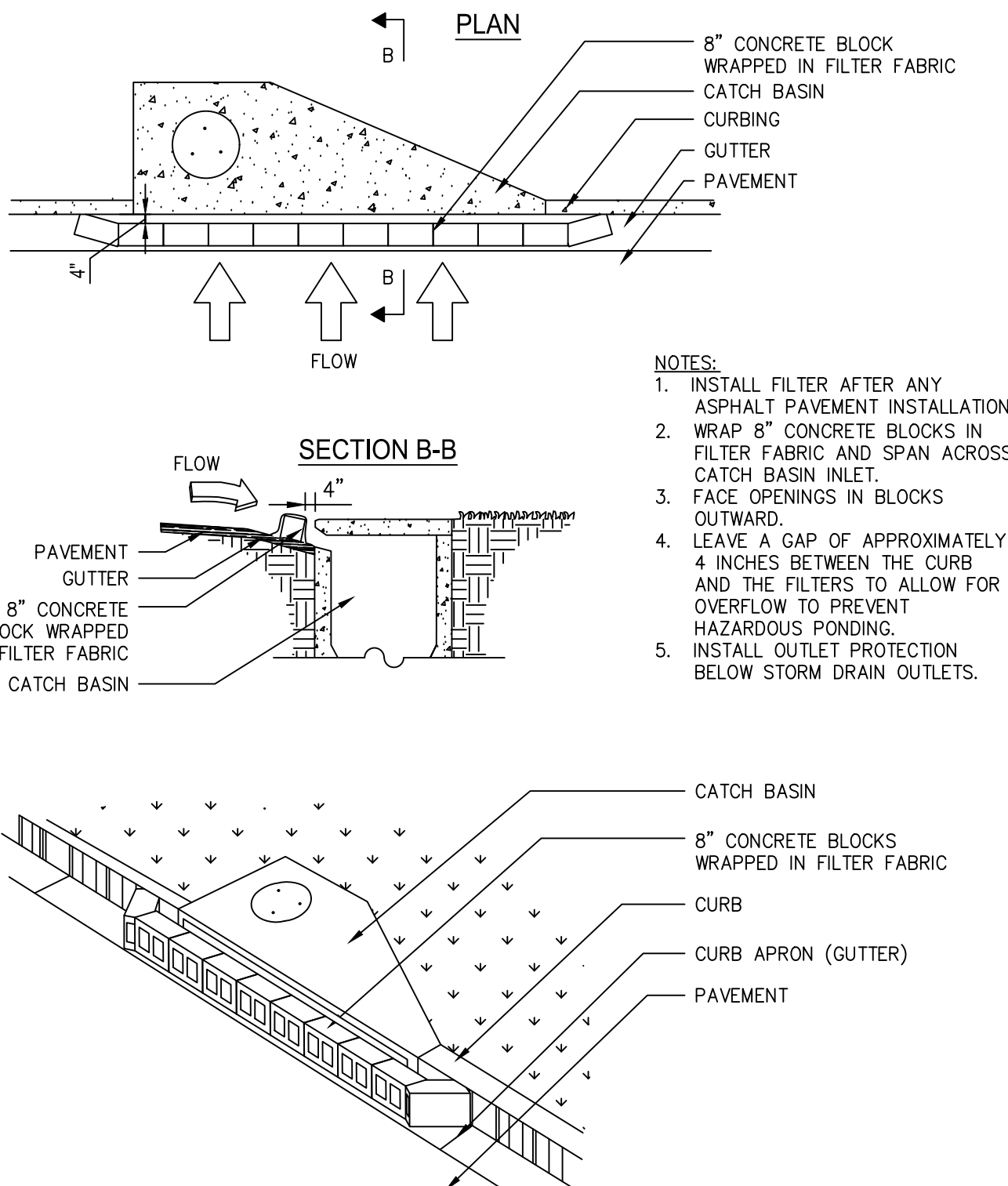
OVERLAP AT FABRIC ENDS



FRONT VIEWS – NOT TO SCALE

- NOTES:**
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

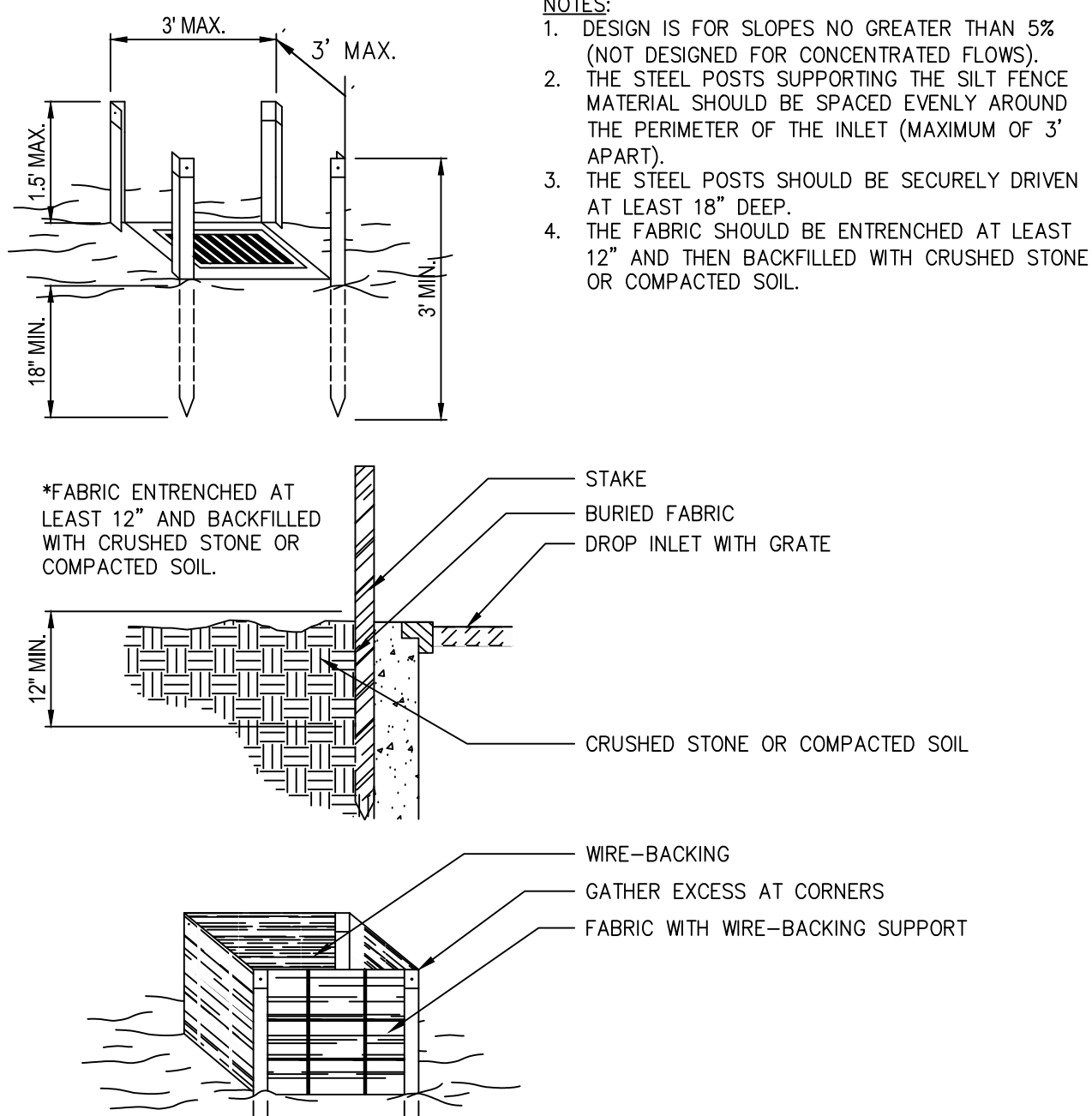
CURB INLET FILTER "PIGS IN BLANKET"



- NOTES:**
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 3. FACE OPENINGS IN BLOCKS OUTWARD.
 4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

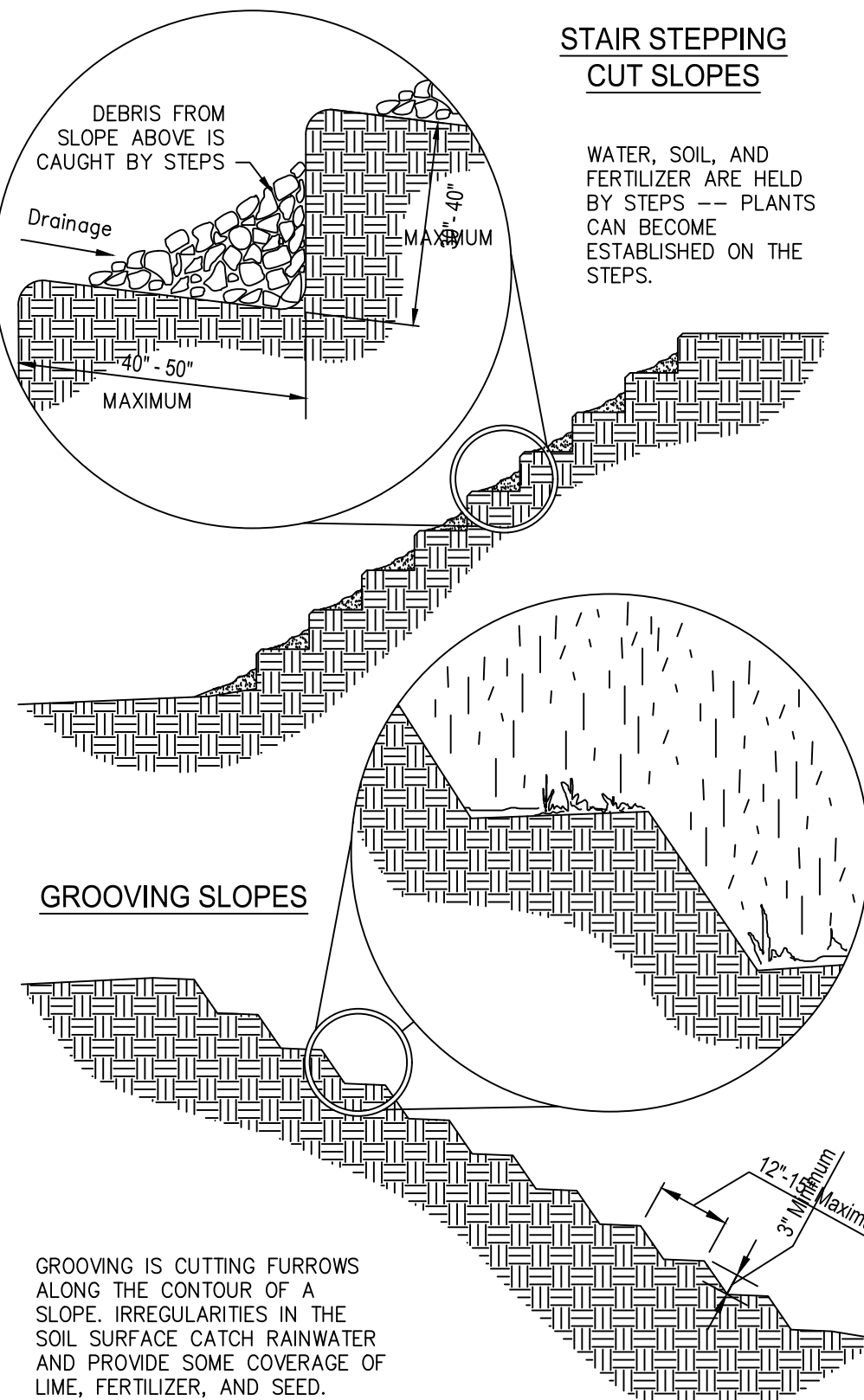
FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND SILT FENCE INSTALLATION



- NOTES:**
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

STAIR STEPPING CUT SLOPES

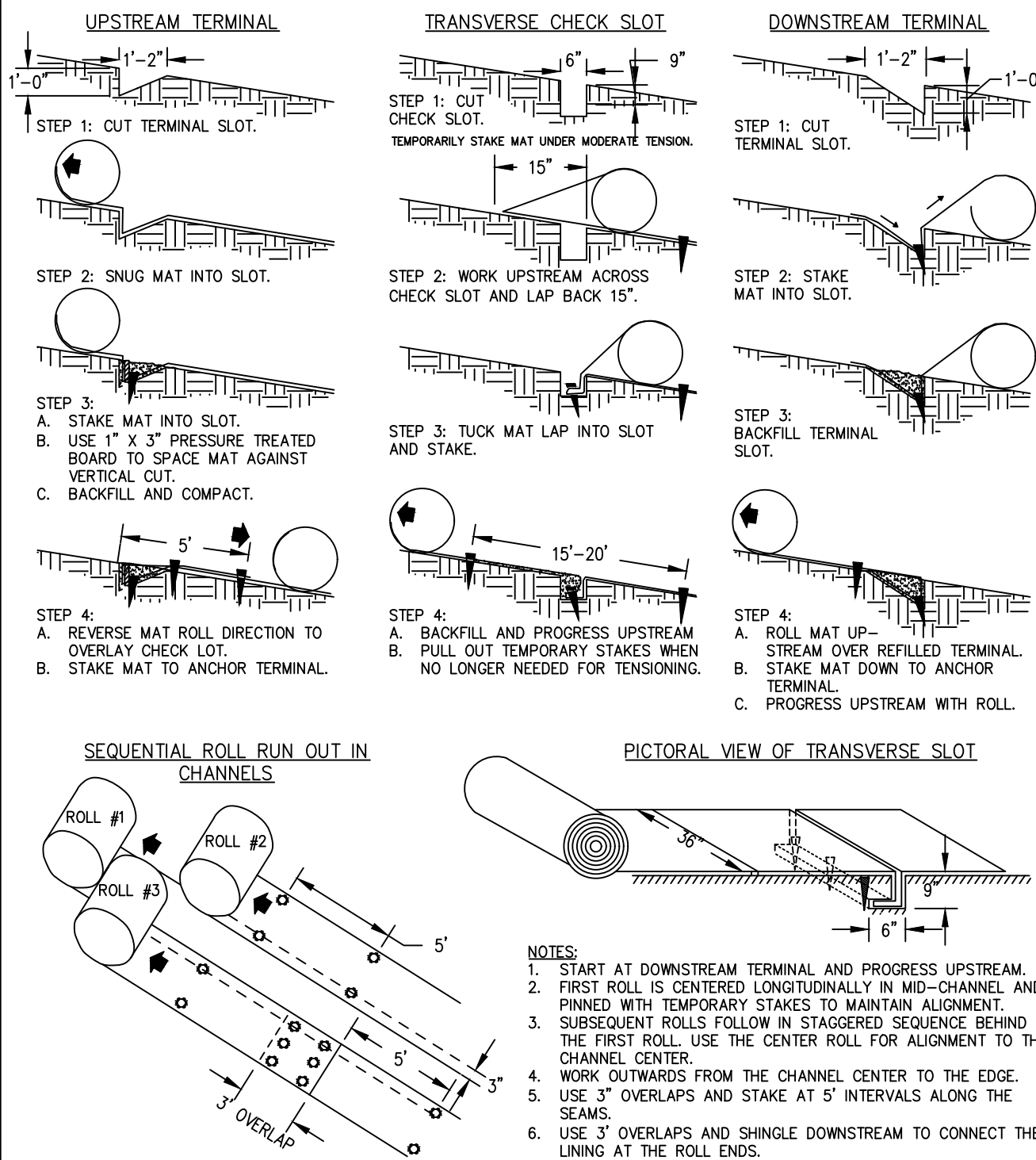


GROOVING SLOPES

GROOVING IS CUTTING FURROWS ALONG THE CONTOUR OF A SLOPE. IRREGULARITIES IN THE SOIL SURFACE CATCH RAINWATER AND PROVIDE SOME COVERAGE OF LIME, FERTILIZER, AND SEED.

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS



FOR REFERENCE ONLY

REV	DATE	REMARKS
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3	04/01/2022	ISSUED FOR BID

CONTRACT DATE: XX.XX.XX

BUILDING TYPE: END 20

PLAN VERSION: JANUARY 2021

BRAND DESIGNER:

SITE NUMBER: 315462

STORE NUMBER:

PA/PM: SM

DRAWN BY: AM

JOB NO.: 2021088.49

TACO BELL

NWC OF MAPLE ST. AND COMMON BL
CARROLLTON, GA 30117



END-20
SWPP DETAILS

C-011

PLOT DATE:

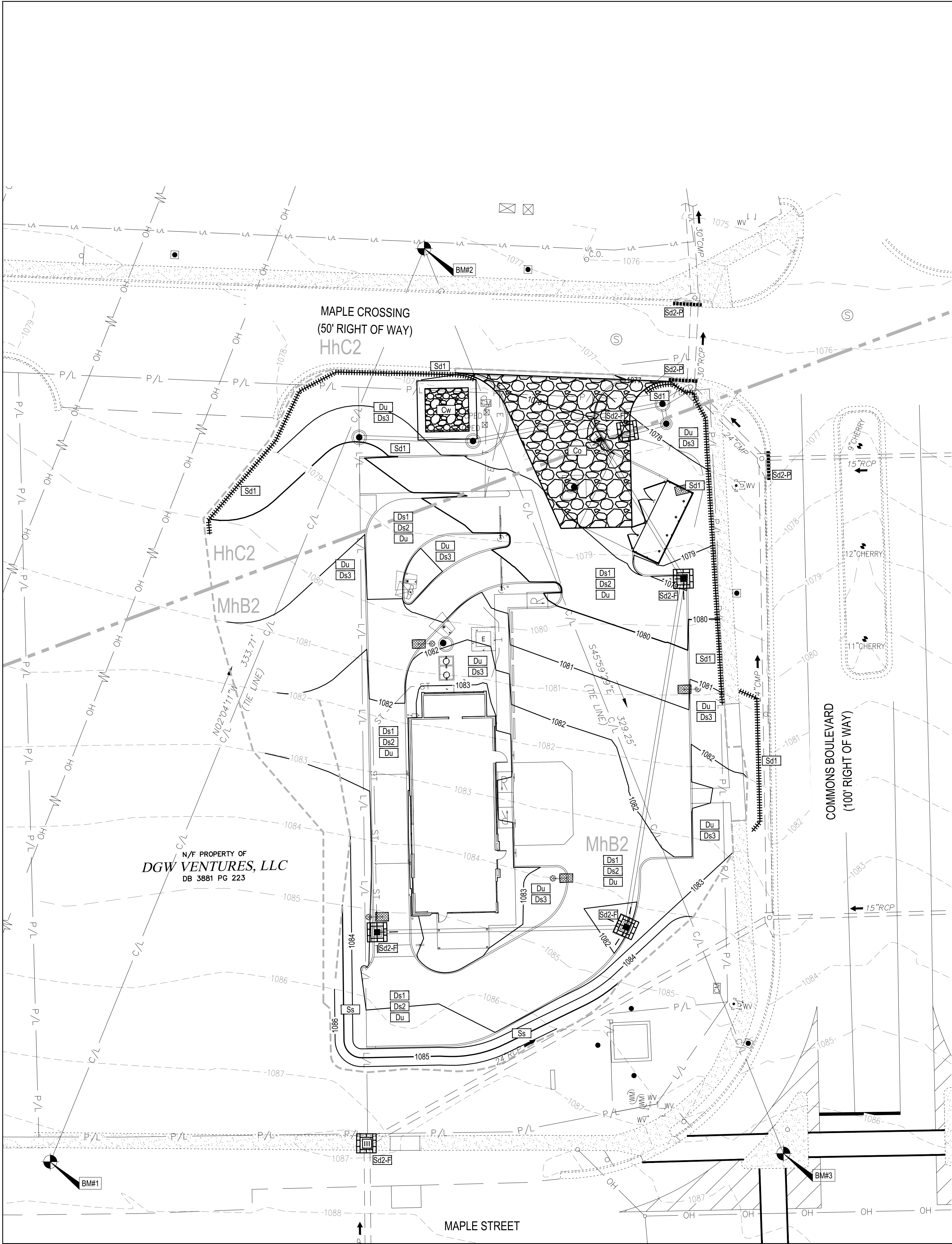
MR. JAKE BENDIK

Level II Certified Design Professional

CERTIFICATION NUMBER: 0000064688

ISSUED: 09/16/2014 EXPIRES: 09/16/2023

These documents have not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.



LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

CW

PROPOSED CONCRETE WASHOUT FACILITY

SEE SHEET C-010

APPROXIMATE LIMITS OF DISTURBANCE

N

0

20

10

1"=20'

40

Horizontal Scale in Feet

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER NON-SENSITIVE SILT FENCE			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2-P	CURB INLET PROTECTION			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd2-F	CURB INLET PROTECTION			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

CONSTRUCTION SEQUENCE

1. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOR SLOWS AND MAY NEED TO BE UPDATED BY THE CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING, EXCEPT THAT THE PERIMETER EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO LAND DISTURBANCE.
- 1.1. INSTALL CONSTRUCTION EXIT AS DETAILED ON PLANS. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. FENCING SHALL BE USED TO RESTRICT OUTSIDE TRAFFIC TO SITE.
- 1.2. DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE. IF REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 1.3. STAKE AND/OR FLAG LIMITS OF CLEARING.
- 1.4. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL PERIMETER CONTROLS AS SHOWN ON PLANS.
- 1.5. INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.
- 1.6. CLEAR & GRUB THE SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA.
- 1.7. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS APPROVED BY THE AUTHORIZING EPA OFFICE.
- 1.8. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- 1.9. ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION.
- 1.10. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED INLET PROTECTION.
- 1.11. DO NOT REPLACE ANY TOPSOIL, SEED OR INSTALL FINAL PAVEMENT PRIOR TO COMPLETION OF BUILDING SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN DISTURBED AREAS TO BE PAVED.
- 1.12. FOLLOWING COMPLETION OF BUILDING SHELL AND PAVEMENT INSTALLATION, BEGIN LANDSCAPE INSTALLATION.
- 1.13. COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.
- 1.14. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.
- 1.15. REMOVE SEDIMENT CONTROLS.

PROJECT DESCRIPTION

THE PROPOSED PROJECT SITE IS CURRENTLY VACANT LAND PREVIOUSLY GRADED AND SEEDED AS PART OF THE MAPLE STREET COMMONS DEVELOPMENT. THIS PROJECT PROPOSES TO CONSTRUCT A TACO BELL RESTAURANT WITH PAVED DRIVE THRU AND PARKING AREAS. A CONCRETE PATIO WILL BE CONSTRUCTED ON THE SOUTH SIDE OF THE BUILDING WITH CONCRETE SIDEWALKS CONNECTING THE BUILDING TO THE PROPOSED PARKING LOT. CONSTRUCTION WILL INCLUDE A NEW UNDERGROUND STORM CONVEYANCE SYSTEM, SANITARY LATERAL, WATER CONNECTION, GAS CONNECTION, AND ELECTRIC/COMMUNICATIONS CONNECTION.

PROJECT COMPLETION STATISTICS

PARCEL SIZE:	0.65 ACRES
TOTAL DISTURBED AREA:	0.77 ACRES
EXISTING LAND USE: VACANT LAND	
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA:	0.01 ACRES
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT:	2%
PRE-CONSTRUCTION RUN-OFF COEFFICIENT:	0.31
PROPOSED LAND USE: TACO BELL RESTAURANT	
ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA:	0.41 ACRES
ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT:	63%
POST-CONSTRUCTION RUN-OFF COEFFICIENT:	0.78

PROJECT LOCATION:

LATITUDE	LONGITUDE
33.562724°	-85.111631°

EXISTING SITE SOIL TYPES:

HhC2: HULETT GRAVELLY SANDY LOAM, 6 TO 10 PERCENT SLOPES
MhB2: MADISON GRAVELLY FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

WETLAND INFORMATION:

WETLANDS ARE NOT ANTICIPATED TO BE WITHIN THE PROJECT AREA.

FIRST AND SUBSEQUENT RECEIVING STREAM:

INITIAL RECEIVING WATER IS THE LITTLE TALLAPOOSA RIVER AND THE SUBSEQUENT RECEIVING WATER IS THE COOSA RIVER.

POST CONSTRUCTION WQV / BMP DESCRIPTION

WATER QUALITY WILL BE PROVIDED FOR THE PROPOSED PROJECT THROUGH A MECHANICAL HYDRODYNAMIC SEPARATOR LOCATED AT THE NORTHEAST CORNER OF THE PROJECT SITE. STORMWATER DETENTION FOR THIS SITE WAS PREVIOUSLY PROVIDED DURING THE CONSTRUCTION OF THE MAPLE STREET COMMONS DEVELOPMENT.

SEE STORMWATER MANAGEMENT REPORT THAT ACCOMPANIES THESE DEVELOPMENT PLANS FOR MORE INFORMATION ON STORMWATER MANAGEMENT AND WATER QUALITY.

OWNER CONTACT:

LORI GINTHER
CONSTRUCTION COORDINATOR
TACO BELL DEVELOPMENT
949.874.4810
LORI.GINTHER@YUM.COM

ANTICIPATED TIMING:

CONSTRUCTION BEGIN:	OCTOBER 2022
CONSTRUCTION COMPLETE:	FEBRUARY 2023

CONTRACTOR: T.B.D.

CONTACT: _____
PHONE NUMBER: _____

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.

BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18.
TIED BY GPS TO THE I.D.O.T. VRS.

BENCHMARK #1
5/8" RBS
N 1,297,053.37
E 2,008,644.25
ELEV. = 1,087.39

BENCHMARK #2
5/8" RBS
N 1,297,158.10
E 2,008,632.20
ELEV. = 1,077.15

BENCHMARK #3
MAG NAIL
N 1,297,158.10
E 2,008,869.01
ELEV. = 1,086.56

MR. JAKE BENDIK
Level II Certified Design Professional

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BUILDING TYPE: END 20

PLAN VERSION: JANUARY 2021

BRAND DESIGNER:

STORE NUMBER: 315462

STORE NUMBER: _____

PA/PM: SM

DRAWN BY.: AM

JOB NO.: 2021088.49

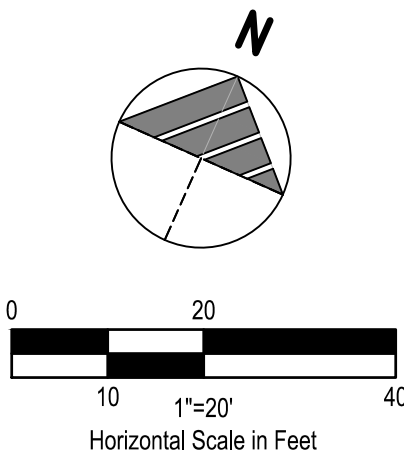
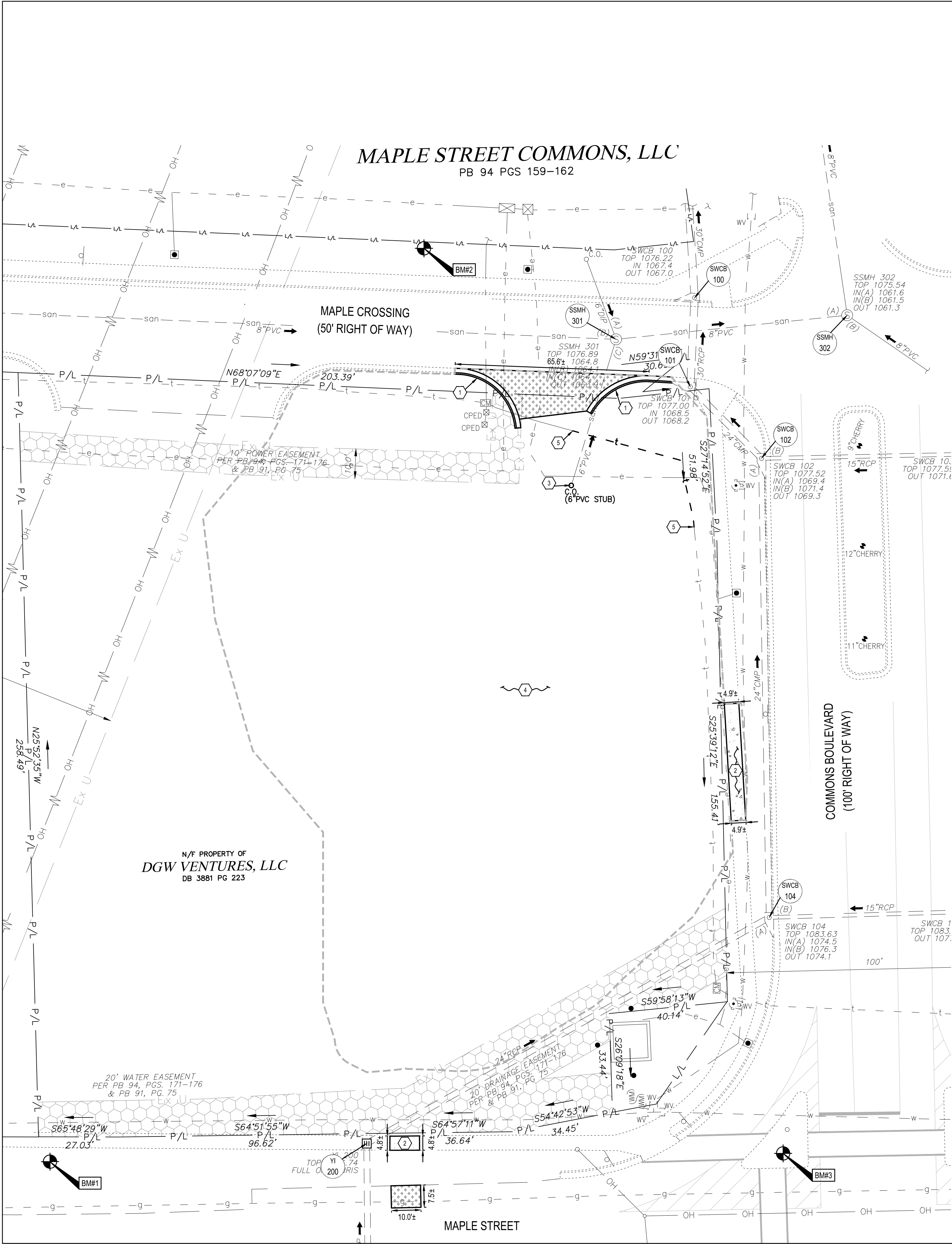
TACO BELL

NWC OF MAPLE ST. AND COMMON BL
CARROLLTON, GA 30117

END-20
SWPP PLAN

C-012

PLOT DATE:



LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- ##± DENOTES LIMITS OF SAWCUT
- # DEMOLITION KEYNOTE
- APPROXIMATE LIMITS OF DISTURBANCE

PLAN KEYNOTES (#)

- EXISTING CURB/CURB AND GUTTER TO BE REMOVED.
- EXISTING CONCRETE WALK TO BE REMOVED TO THE NEXT NEAREST JOINT.
- EXISTING STUB UP TO BE REMOVED. CONTRACTOR SHALL CUT DOWN STUB UP TO BOTTOM INVERT FOR INSTALLATION OF DROP MANHOLE. SEE UTILITY PLAN. COORDINATE WORK WITH THE CITY OF CARROLLTON.
- CONTRACTOR TO REMOVE VEGETATION WITHIN THE APPROXIMATE LIMITS OF DISTURBANCE.
- EXISTING TELEPHONE CONDUIT AND WIRING TO BE REMOVED AND RELOCATED. SEE SHEET C-131 FOR NEW LOCATION.

DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE. OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

EXISTING STRUCTURES	
STRICT. ID	STRUCTURE DETAILS
SSMH 300	RIM = 1079.47 8" PVC (IN-A)= 1067.90 6" PVC (IN-B)= 1068.00 8" PVC (OUT)= 1067.60
SSMH 301	RIM = 1076.89 6" (IN-A)= 1064.80 8" PVC (IN-B)= 1064.10 6" PVC (IN-C)= 1064.70 8" PVC (OUT)= 1063.90
SSMH 302	RIM = 1075.54 8" PVC (IN-A)= 1061.6 8" PVC (IN-B)= 1061.5 8" PVC (OUT)= 1061.3
SWCB 100	RIM = 1076.22 30" RCP (IN)= 1067.4 30" CMP (OUT)= 1067.0
SWCB 101	RIM = 1077.00 24" CMP (IN)= 1068.5 30" RCP (OUT)= 1068.2 PROPOSED 24" HDPE (IN)= 1068.70
SWCB 102	RIM = 1077.52 24" CMP (IN-A)= 1069.4 15" RCP (IN-B)= 1071.4 24" CMP (OUT)= 1069.3
SWCB 103	RIM = 1077.59 15" RCP (OUT)= 1071.6
SWCB 104	RIM = 1083.63 24" RCP (IN-A)= 1074.5 15" RCP (IN-B)= 1076.3 24" CMP (OUT)= 1074.1
SWCB 105	RIM = 1083.69 15" RCP (OUT)= 1077.0
Y1 200	RIM = 1086.74 24" RCP (IN)= FULL OF DEBRIS 24" RCP (OUT)= FULL OF DEBRIS
Y1 201	RIM = 1086.96 24" RCP (OUT)= FULL OF DEBRIS



BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE I.D.O.T. VRS.

BENCHMARK #1
5/8" RBS
N 1,297,053.37
E 2,008,644.25
ELEV. = 1,087.39

BENCHMARK #2
5/8" RBS
N 1,297,158.10
E 2,008,632.20
ELEV. = 1,077.15

BENCHMARK #3
MAG NAIL
N 1,297,158.10
E 2,008,869.01
ELEV. = 1,086.56

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TACO BELL

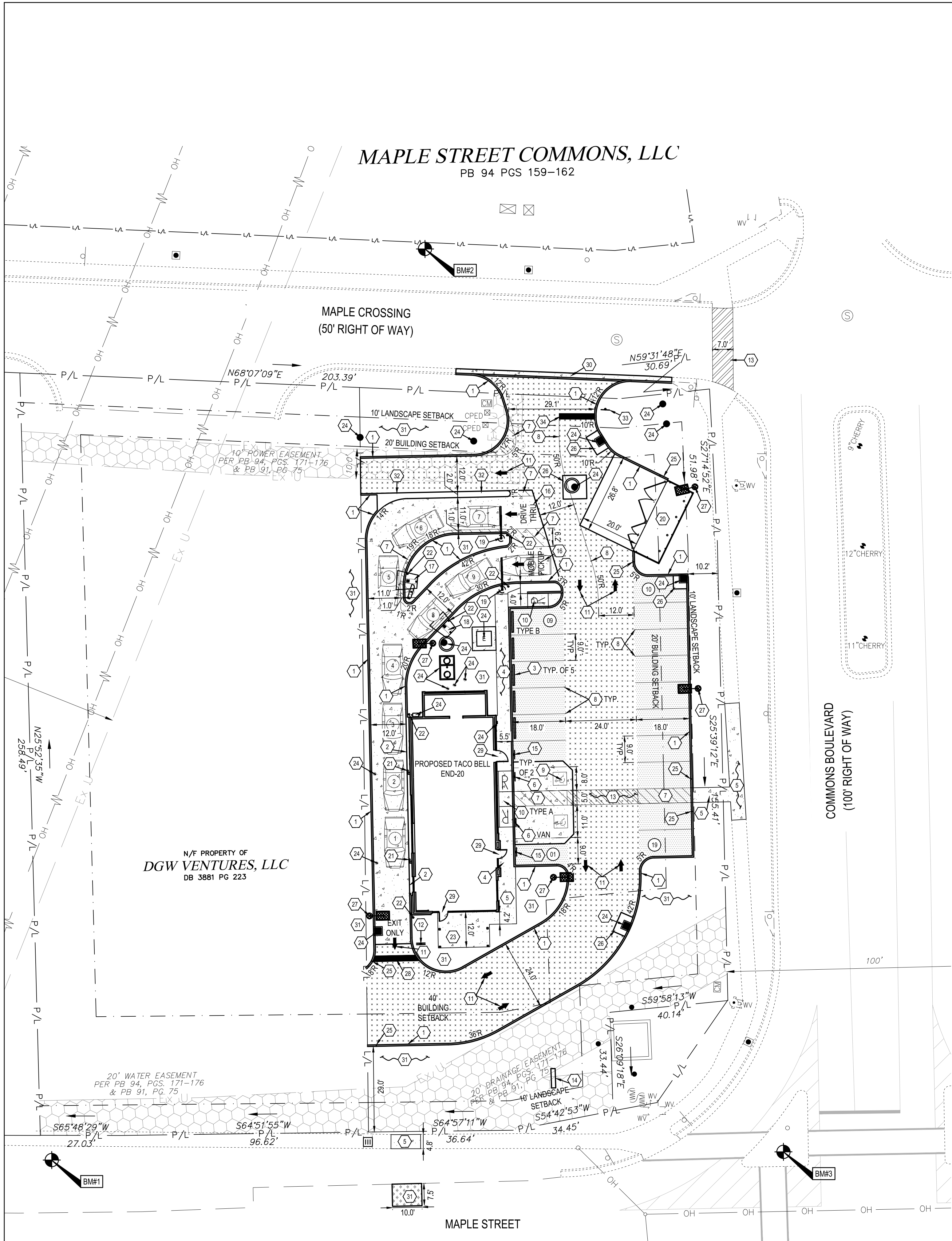
NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



END-20
DEMOLITION PLAN

C-101

PLOT DATE:



LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

	PROPOSED HEAVY DUTY ASPHALT PAVEMENT SEE SHEET C-502
	PROPOSED STANDARD DUTY ASPHALT PAVEMENT SEE SHEET C-502
	PROPOSED CONCRETE PAVEMENT SEE SHEET C-502
	PROPOSED ASPHALT PAVEMENT REPAIR PER CITY OF CARROLLTON STANDARDS, SEE SHEET C-504
	CONSTRUCTION KEYNOTE
	PROPOSED PARKING SPACE NUMBER
	PROPOSED DRIVE THRU STACK CAR AND NUMBER

BUILDING SETBACKS		
	REQUIRED	PROVIDED
FRONT: MAPLE ST.	40'	74'
REAR: MAPLE CROSSING	20'	100'
SIDE: COMMONS BLVD	20'	76'

PARKING SETBACKS		
	REQUIRED	PROVIDED
FRONT: MAPLE ST.	10'	29'
REAR: MAPLE CROSSING	10'	32'
SIDE: COMMONS BLVD	10'	10'

LANDSCAPE SETBACKS		
	REQUIRED	PROVIDED
FRONT: MAPLE ST.	10'	29'
REAR: MAPLE CROSSING	10'	32'
SIDE: COMMONS BLVD	10'	10'



BENCHMARKS:

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MAG NAIL
N 1,297,158.10
E 2,008,869.01
ELEV. = 1,086.56

PARKING SPACES		
	REQUIRED	PROVIDED
NUMBER OF SPACES	11	19

LAND USE DATA		
	% OF SITE AREA	AREA PROVIDED
IMPERVIOUS	61.5%	0.40 AC.
PERVIOUS	38.8%	0.25 AC.
TOTAL	100%	0.65 AC.

CURRENT ZONING: PLANNED DEVELOPMENT (PD) AND GENERAL COMMERCIAL (C-2)

- PLAN KEYNOTES** (#)
1. PROPOSED CONCRETE CURB, SEE SHEET C-501.
 2. PROPOSED CONCRETE CURB AT DRIVE THRU, SEE SHEET C-501.
 3. PROPOSED P.C.C. WHEELSTOP, SEE SHEET C-501.
 4. PROPOSED CONCRETE CURBED WALK, SEE SHEET C-501.
 5. PROPOSED CONCRETE WALK, SEE SHEET C-501.
 6. PROPOSED ADA PARKING SIGN IN CRASH RATED BOLLARD (SEE PLAN FOR VAN ACCESSIBLE SPACE, PROVIDE APPROPRIATE SIGNAGE PER DETAIL), SEE SHEET C-501.
 7. PROPOSED PAINTED TRANSVERSE STRIPING, SEE SHEET C-501.
 8. PROPOSED PAINTED 4' WIDE SOLID WHITE STRIPE, SEE PAVEMENT MARKINGS AND NOTES ON SHEET C-501.
 9. PROPOSED PAINTED ADA PAVEMENT SYMBOL PER ADA SPECIFICATIONS AND SHEET C-501.
 10. PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS AND SHEET C-501.
 11. PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE, BLUE FOR ADA - SEE PAVEMENT MARKINGS AND NOTES SHEET C-501.
 12. PROPOSED DUAL 'DO NOT ENTER' AND 'STOP' SIGN PER GDOT STANDARDS AND SHEET C-501.
 13. PROPOSED CROSSWALK STRIPING, SEE SHEET C-501.
 14. PROPOSED MONUMENT SIGN, SEE ARCHITECTURAL DRAWINGS.
 15. PROPOSED 'MOBILE PICK UP' PARKING SIGNS IN BOLLARD, CONTRACTOR TO INSTALL SIGN POST AND BOLLARD PER THE ADA PARKING SIGN DETAIL. SIGN TO BE BY SIGN VENDOR.
 16. PROPOSED 'DRIVE THRU' OR 'MOBILE PICKUP' PAVEMENT MARKINGS. SEE PAVEMENT MARKINGS AND NOTES ON SHEET C-501.
 17. PROPOSED MENU BOARD AND ORDER CONFIRMATION BOARD PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-502. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF MENU BOARD AND ORDER CONFIRMATION BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.V.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS AND ELECTRICAL WIRING.
 18. PROPOSED ORDER CONFIRMATION BOARD PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-502. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF MENU BOARD AND ORDER CONFIRMATION BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS AND ELECTRICAL WIRING.
 19. PROPOSED EVOLUTION PORTAL CLEARANCE BAR, SEE SHEET C-502 FOR PORTAL PLACEMENT. FOUNDATION PER SIGN VENDOR.
 20. PROPOSED DUMPSTER ENCLOSURE ON CONCRETE PAD ON P.C.C. SEE ARCHITECTURAL DRAWINGS. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. CONTRACTOR TO FIELD VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
 21. PROPOSED DETERRENT BOLLARD IN CURB, SEE SHEET C-502.
 22. PROPOSED DETERRENT BOLLARD, SEE SHEET C-501.
 23. PROPOSED PATIO, SEE ARCHITECTURAL DRAWINGS.
 24. PROPOSED UTILITY STRUCTURE, SEE UTILITY PLAN.
 25. PROPOSED 3" CONCRETE CURB TAPER, SEE SHEET C-501.
 26. PROPOSED CONCRETE COLLAR, SEE DETAIL SHEET C-502.
 27. PROPOSED LIGHT POLE AND FOUNDATION. SEE ELECTRICAL DRAWINGS AND COORDINATE FINAL POLE COUNT WITH PHOTOMETRIC AND ELECTRICAL DRAWINGS. SEE STRUCTURAL PLANS FOR FOUNDATION DETAILS. CONTRACTOR TO FIELD VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION WITHIN THE VICINITY OF THE LIGHT POLE FOUNDATION. IF CONFLICTS ARISE, CONTACT CONSTRUCTION MANAGER.
 28. PROPOSED 2' WIDE PAINTED STOP BAR PER GDOT SPECIFICATIONS. SEE PAVEMENT MARKINGS AND NOTES ON SHEET C-501.
 29. PROPOSED EXTERIOR FROST SLAB AT BUILDING. SEE STRUCTURAL PLAN FOR DETAILS.
 30. PROPOSED RECESSED CURB FOR DRIVEWAY, SEE SHEET C-504.
 31. PROPOSED LANDSCAPING AREA, SEE LANDSCAPING PLANS.
 32. PROPOSED MOUNTABLE CONCRETE CURB ISLAND, SEE SHEET C-503.
 33. PROPOSED 'STOP' SIGN, SEE SHEET C-501.
 34. PROPOSED 24" WIDE PAINTED (WHITE) STOP BAR PER CURRENT DOT SPECIFICATIONS.

GPD GROUP
Professional Corporation

520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

REV	DATE	REMARKS
1	03/18/2022	CITY COMMENTS
2	03/17/2022	ISSUED FOR RSCS BID
3	04/01/2022	ISSUED FOR BID

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: END 20
PLAN VERSION: JANUARY 2021
BRAND DESIGNER:
SITE NUMBER: 315462
STORE NUMBER:
PA/PM: SM
DRAWN BY.: AM
JOB NO.: 2021088.49

TACO BELL

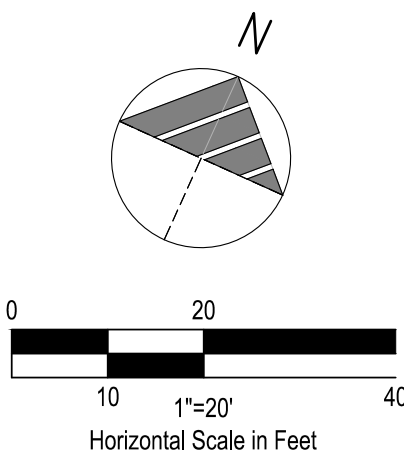
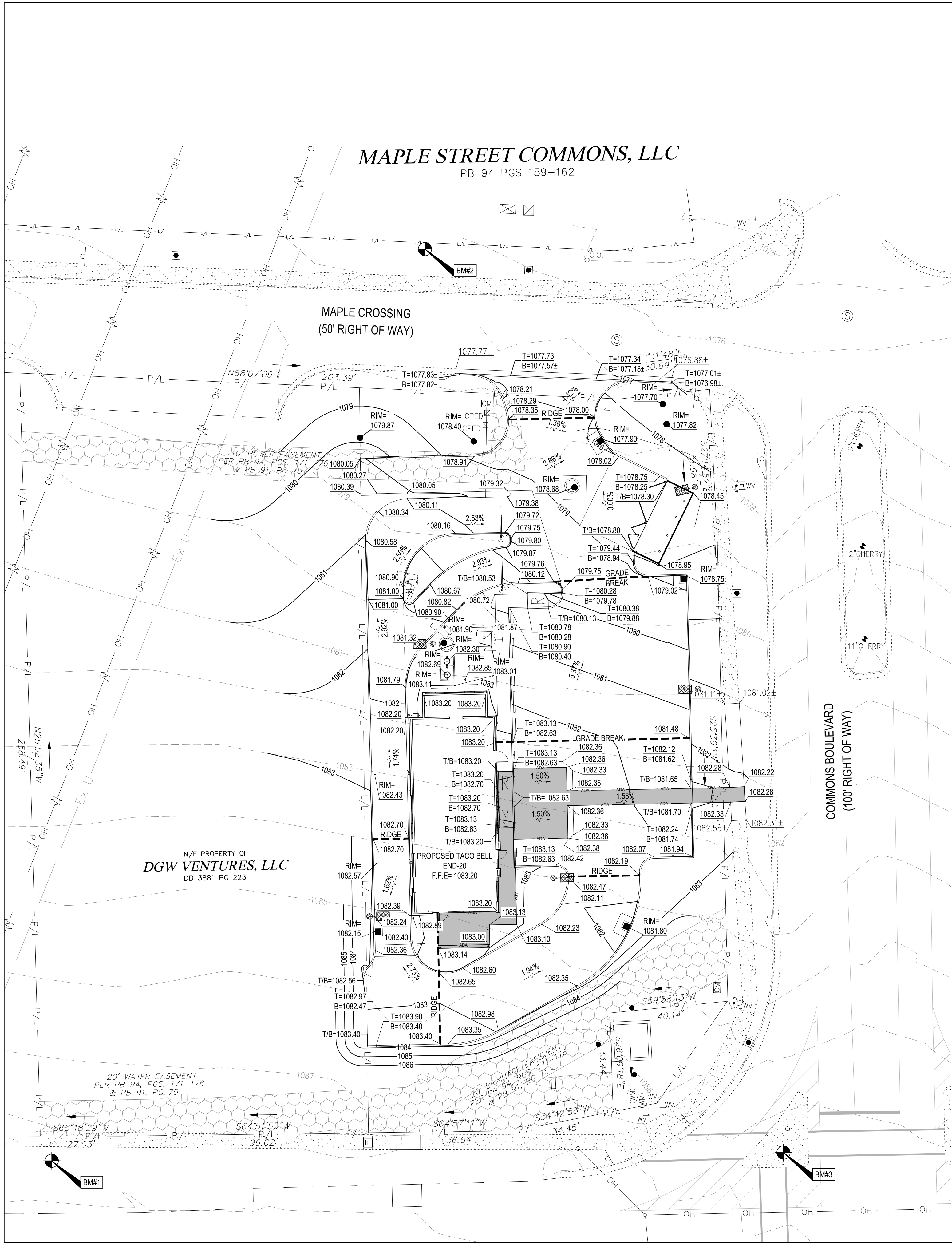
NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



**END-20
SITE PLAN**

C-111

PLOT DATE:



GENERAL SHEET NOTES

1. ROLLMAX VMAX SC-250 PERMANENT EROSION CONTROL MATTING (OR EQUIVALENT) SHALL BE INSTALLED ON ALL GRASS SLOPES 3:1 AND STEEPER.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- 000 — PROPOSED CONTOUR
- XXX.XX± MATCH EXISTING ELEVATION
- XXX.XX FINISHED PAVEMENT/GROUND ELEVATION
- T=XXX.XX TOP OF CURB ELEVATION
B=XXX.XX BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- T/B= XXX.XX TOP AND BOTTOM OF CURB ELEVATION (FLUSH WITH PAVEMENT ELEVATION)
- RIM=XXX.XX GRATE ELEVATION OF UTILITY STRUCTURE
- Proposed Drainage Slope & Direction
- ADA LIMITS OF ADA ROUTING



BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18.
TIED BY GPS TO THE I.D.O.T. VRS.

BENCHMARK #1
5/8" RBS
N 1,297,053.37
E 2,008,644.25
ELEV. = 1,087.39

BENCHMARK #2
5/8" RBS
N 1,297,158.10
E 2,008,632.20
ELEV. = 1,077.15

BENCHMARK #3
MAG NAIL
N 1,297,158.10
E 2,008,869.01
ELEV. = 1,086.56



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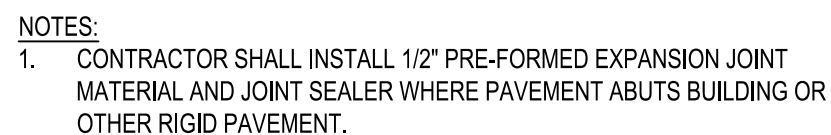
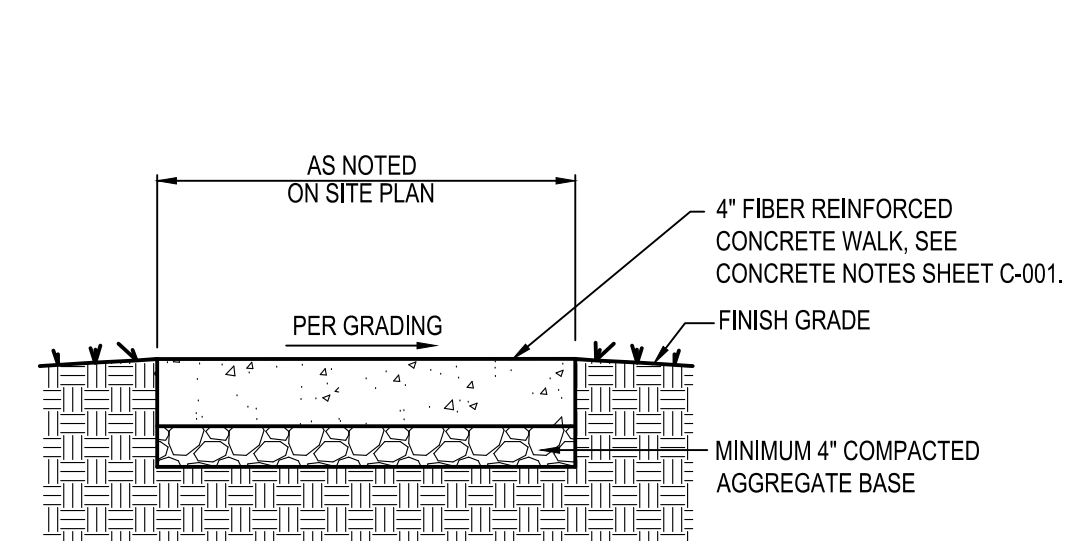
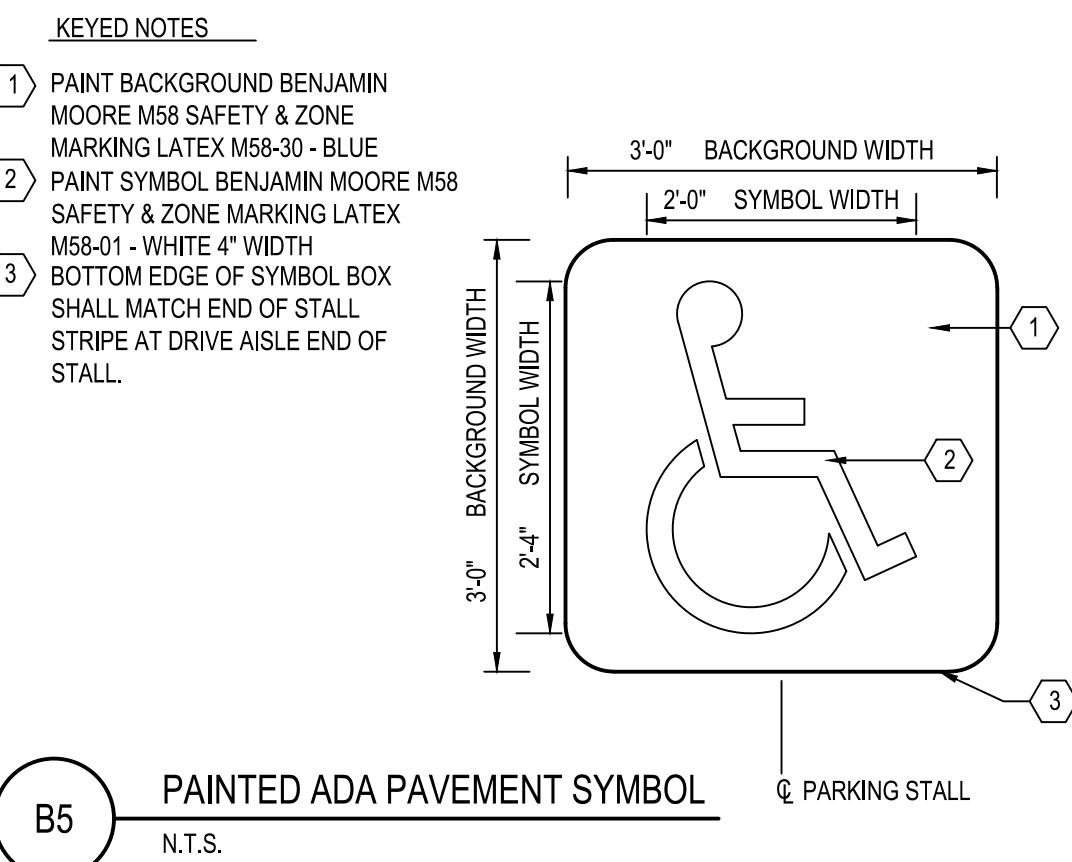
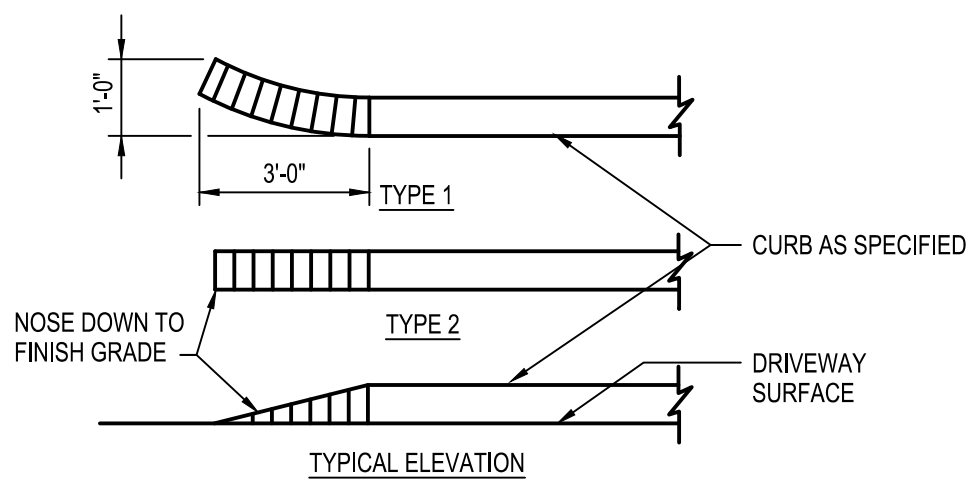
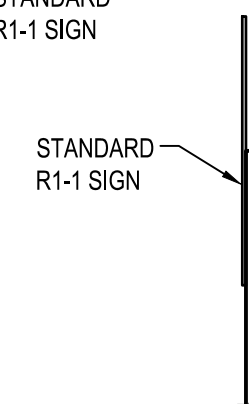
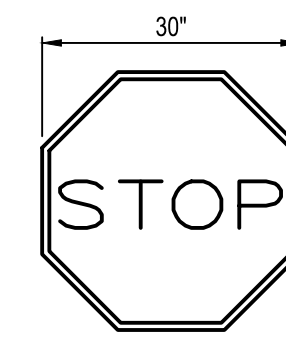
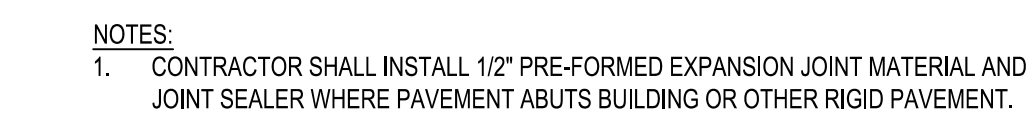
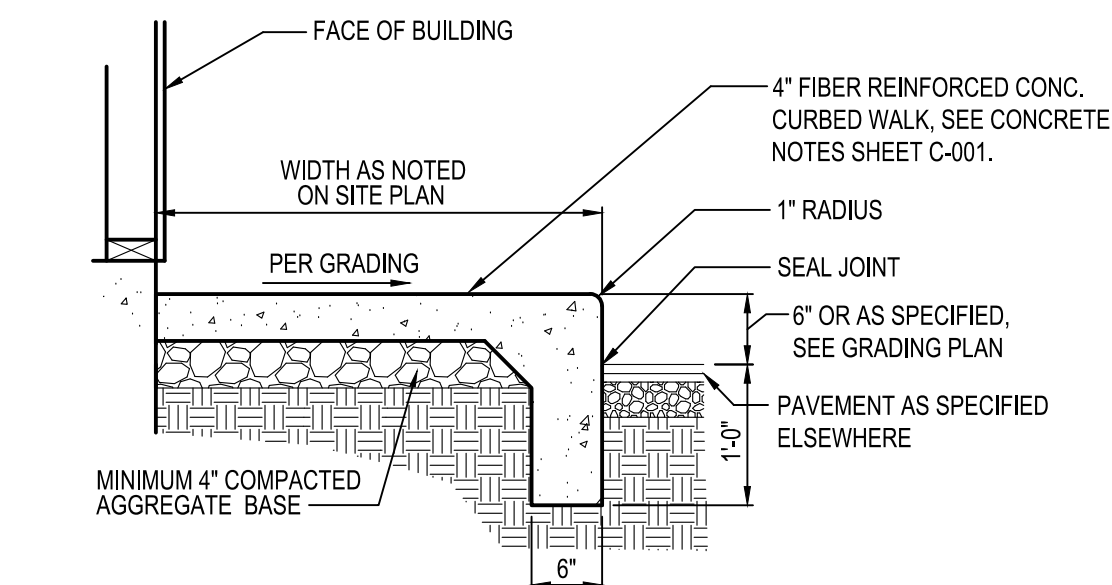
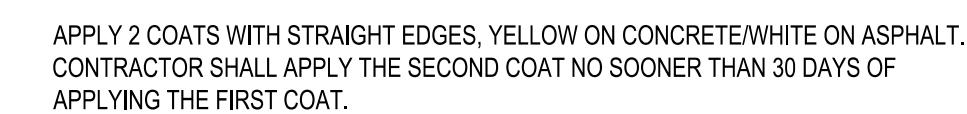
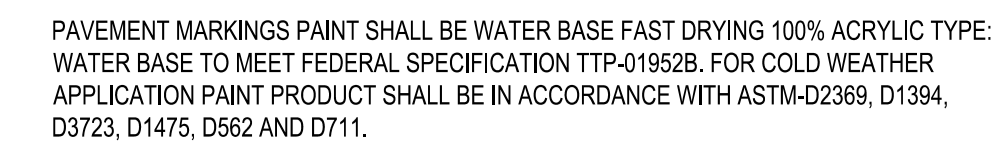
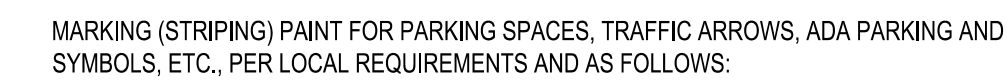
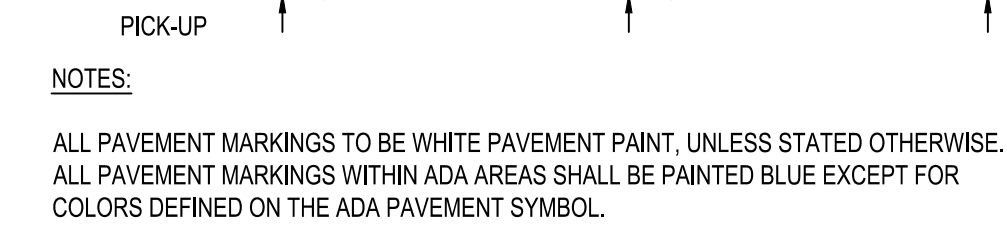
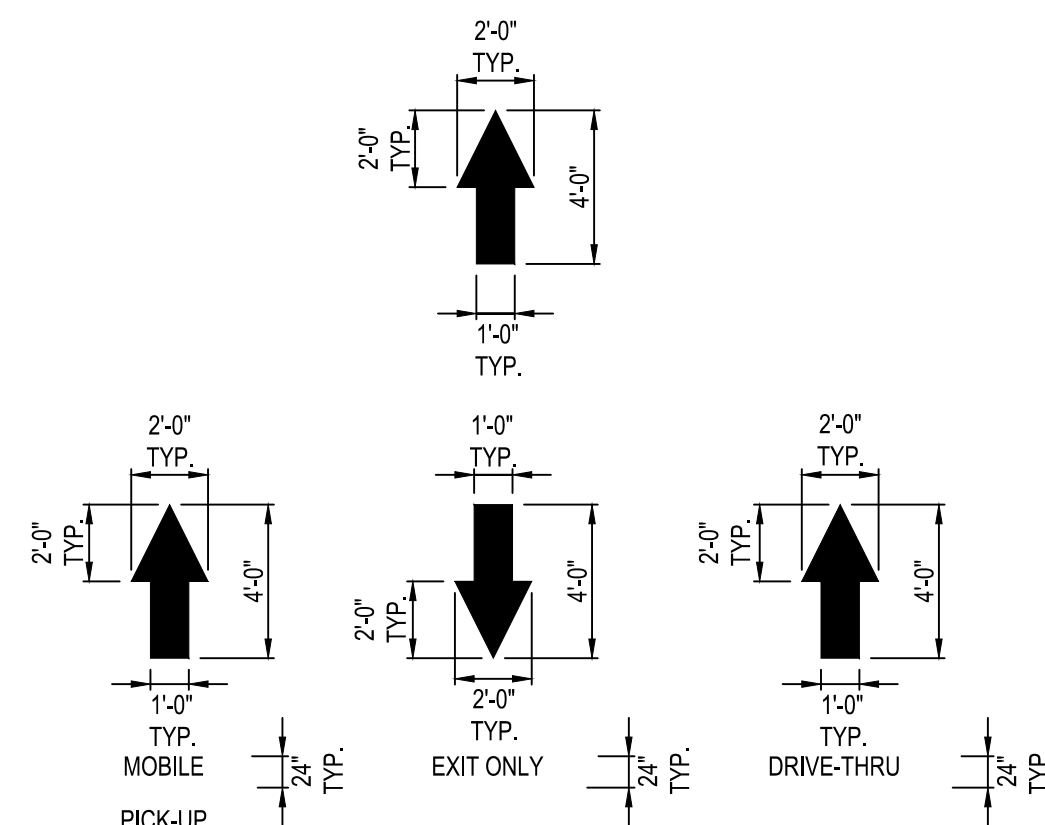
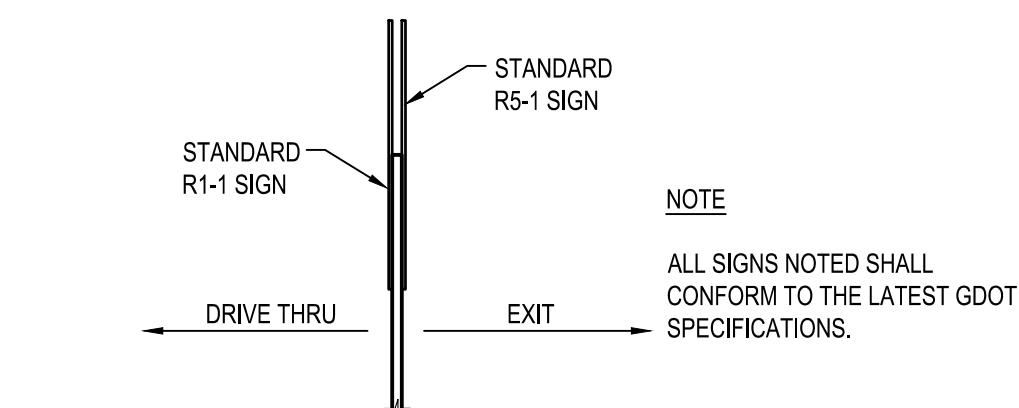
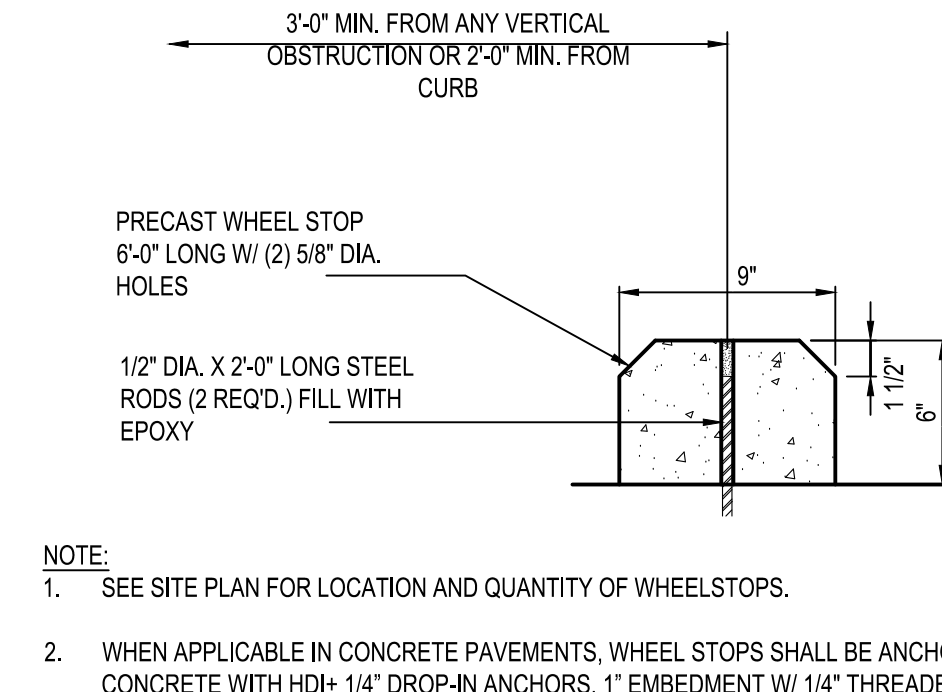
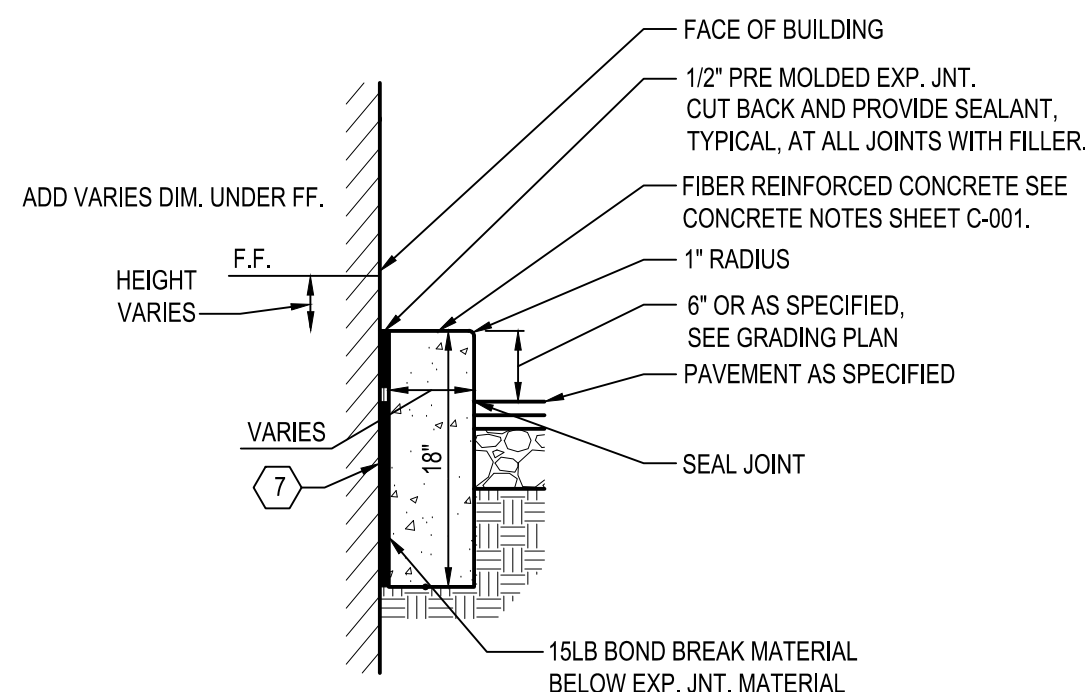
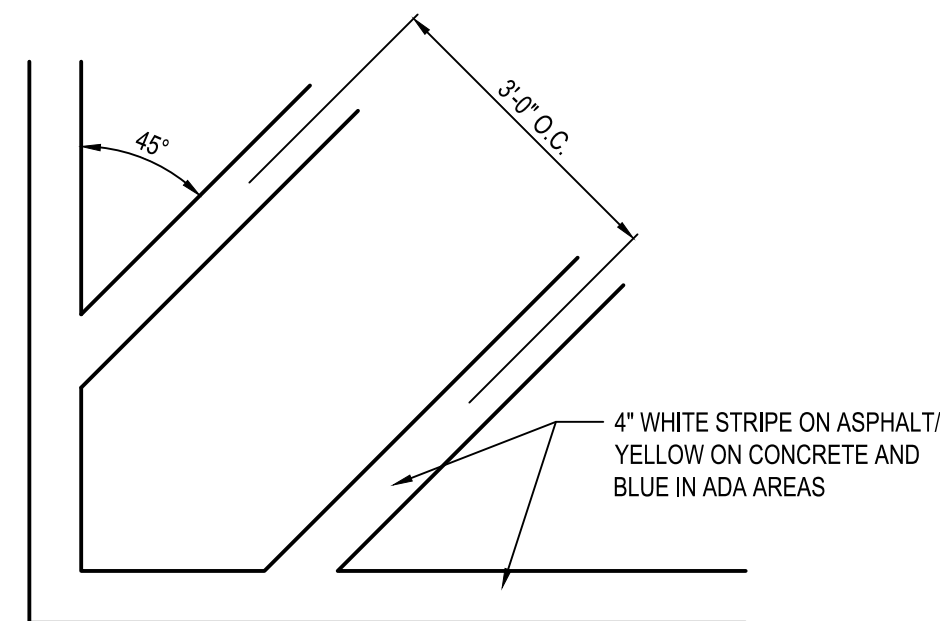
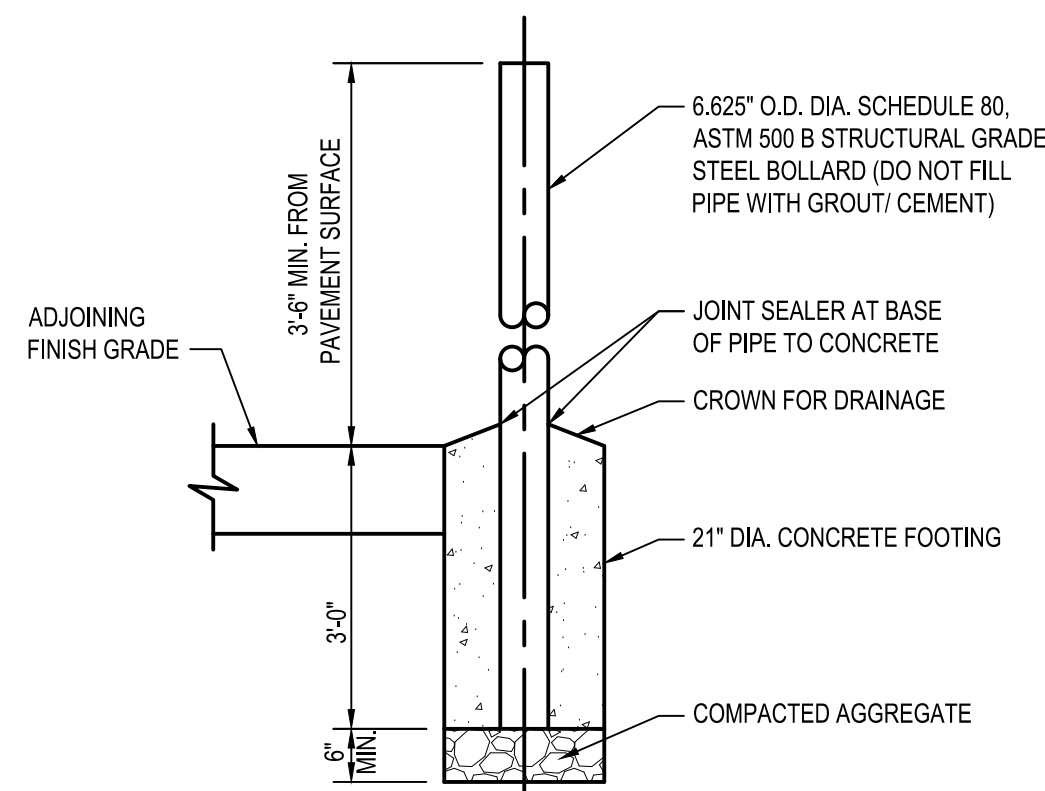
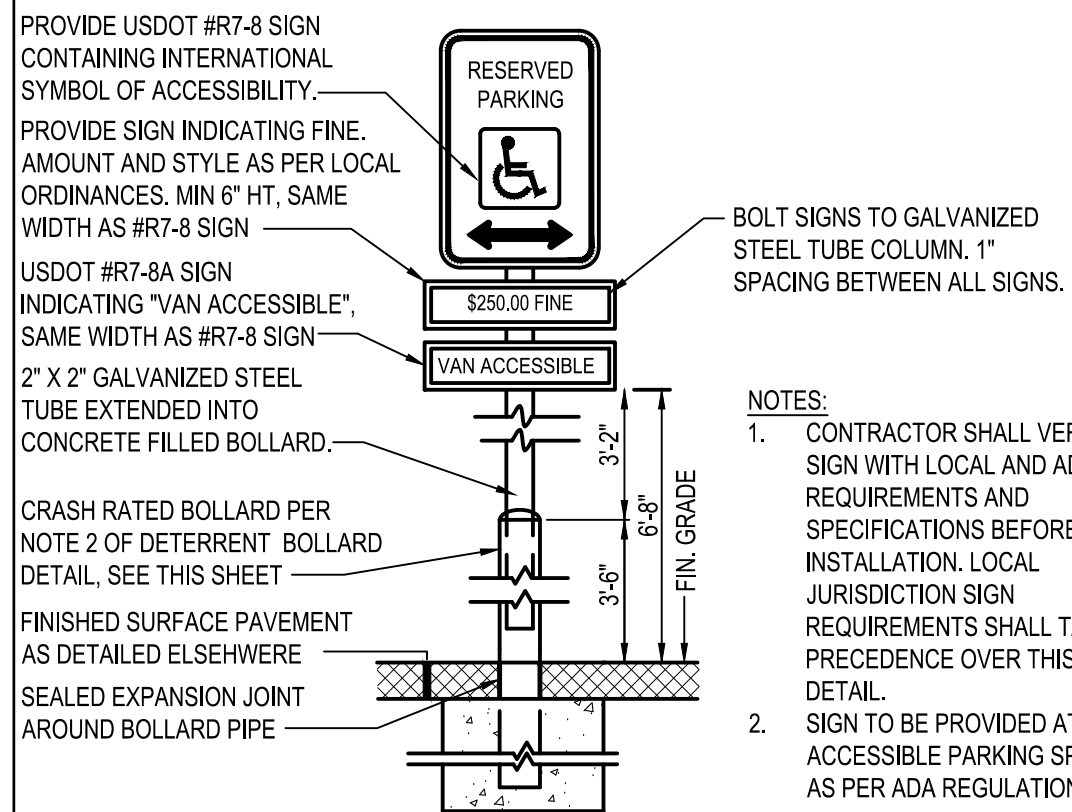
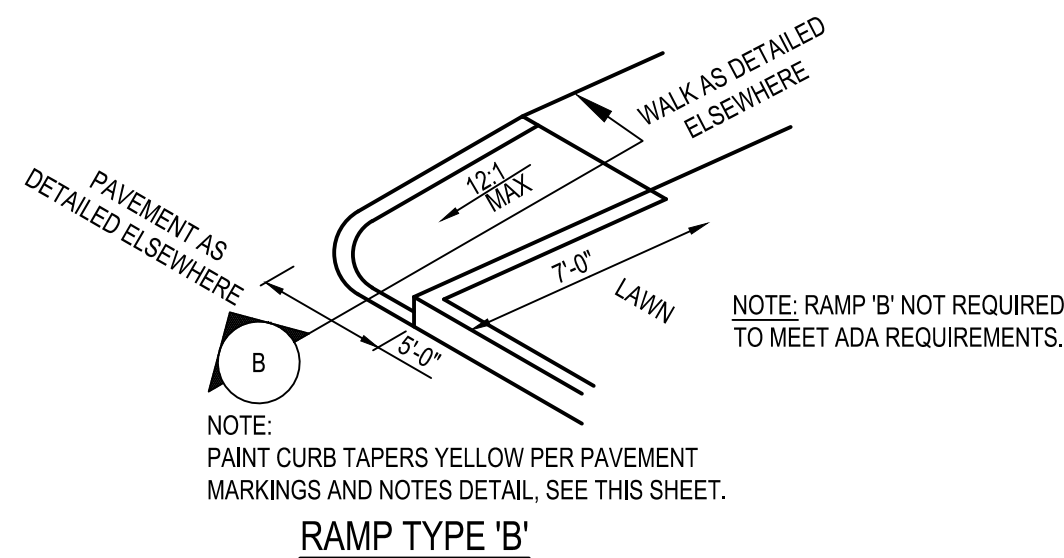
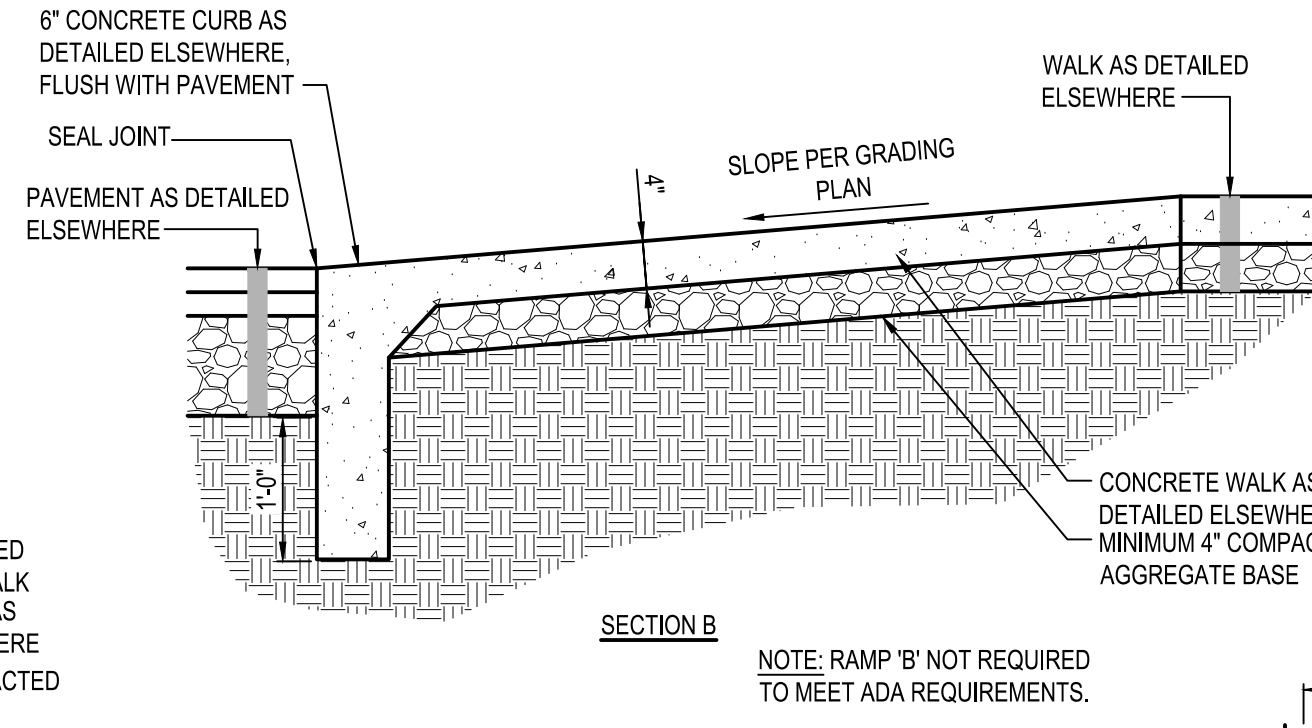
NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



END-20
GRADING PLAN

C-121

PLOT DATE:



- NOTES:**
1. ALL SIGNS NOTED SHALL CONFORM TO THE LATEST DOT SPECIFICATIONS.
 2. SIGN POST SHALL BE EMBEDDED 3'-6" IN TO A 12"Ø CONCRETE FOOTING 4'-0" DEEP (0.12 CU. YRDS. OF CONCRETE REQUIRED.).
 3. SIGN POST SHALL BE 2" X 2" GALVANIZED STEEL TUBE.
 4. SIGN SHALL BE 84" ABOVE FINISHED GRADE MEASURED FROM GRADE AT POST BOTTOM TO BOTTOM OF SIGN.

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CONTRACT DATE:	XX.XX.XX
BUILDING TYPE:	END 20
PLAN VERSION:	JANUARY 2021
BRAND DESIGNER:	
SITE NUMBER:	315462
STORE NUMBER:	_____
P/PM:	SM
DRAWN BY.:	AM
JOB NO.:	2021088.49

TACO BELL

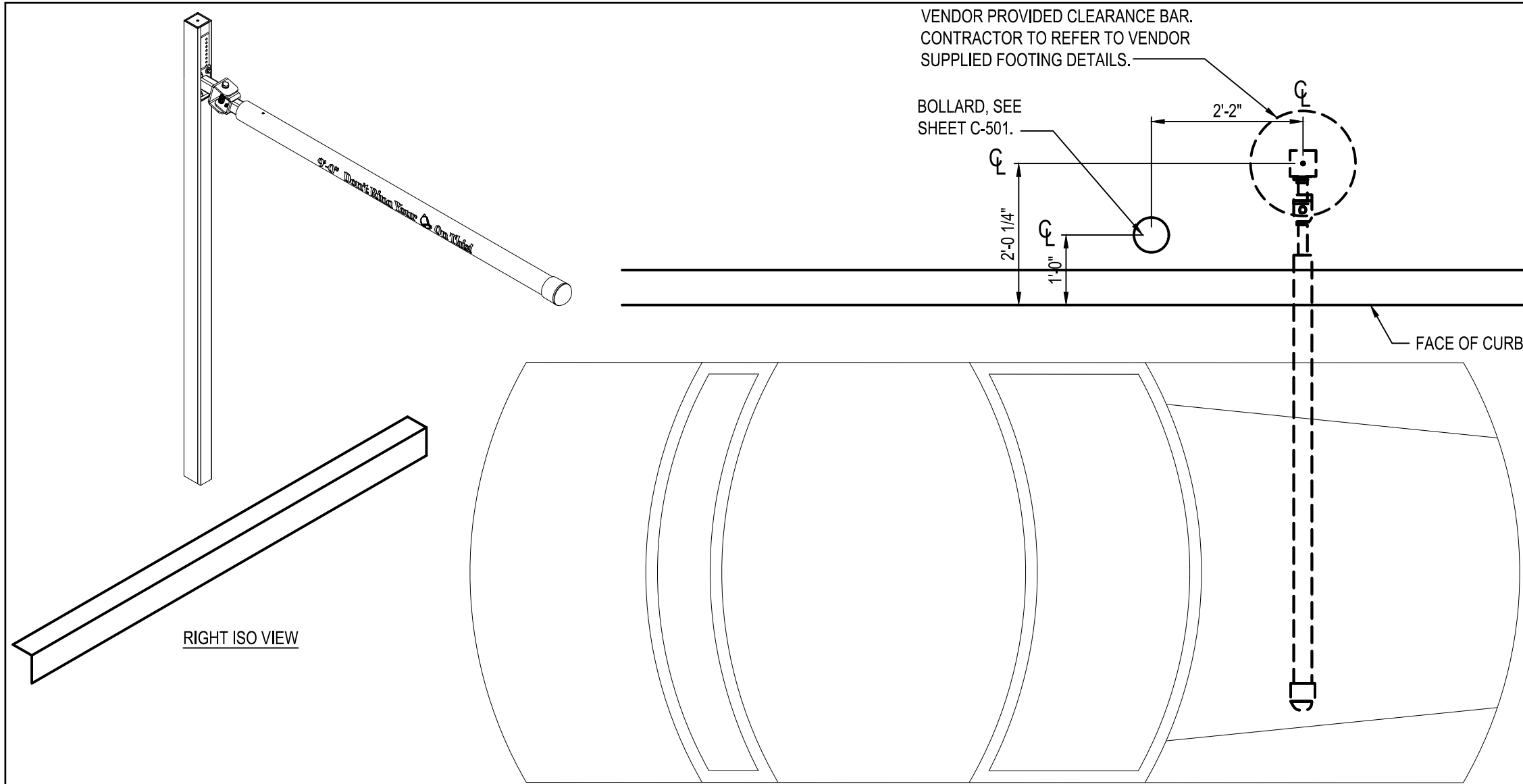
NWC OF MAPLE ST. AND COMMON BLVD
CARROLLTON, GA 30117



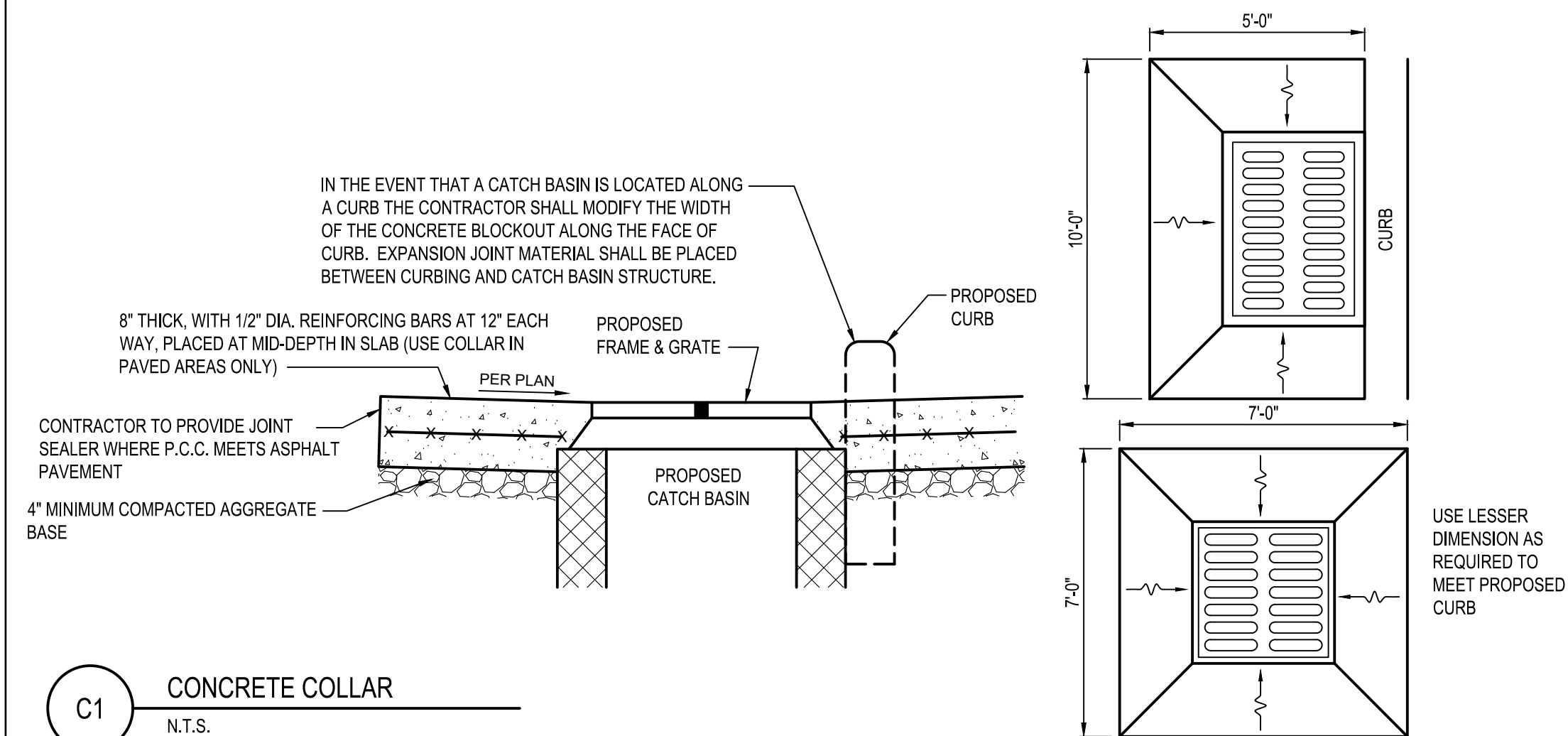
END-20
DETAILS

C-501

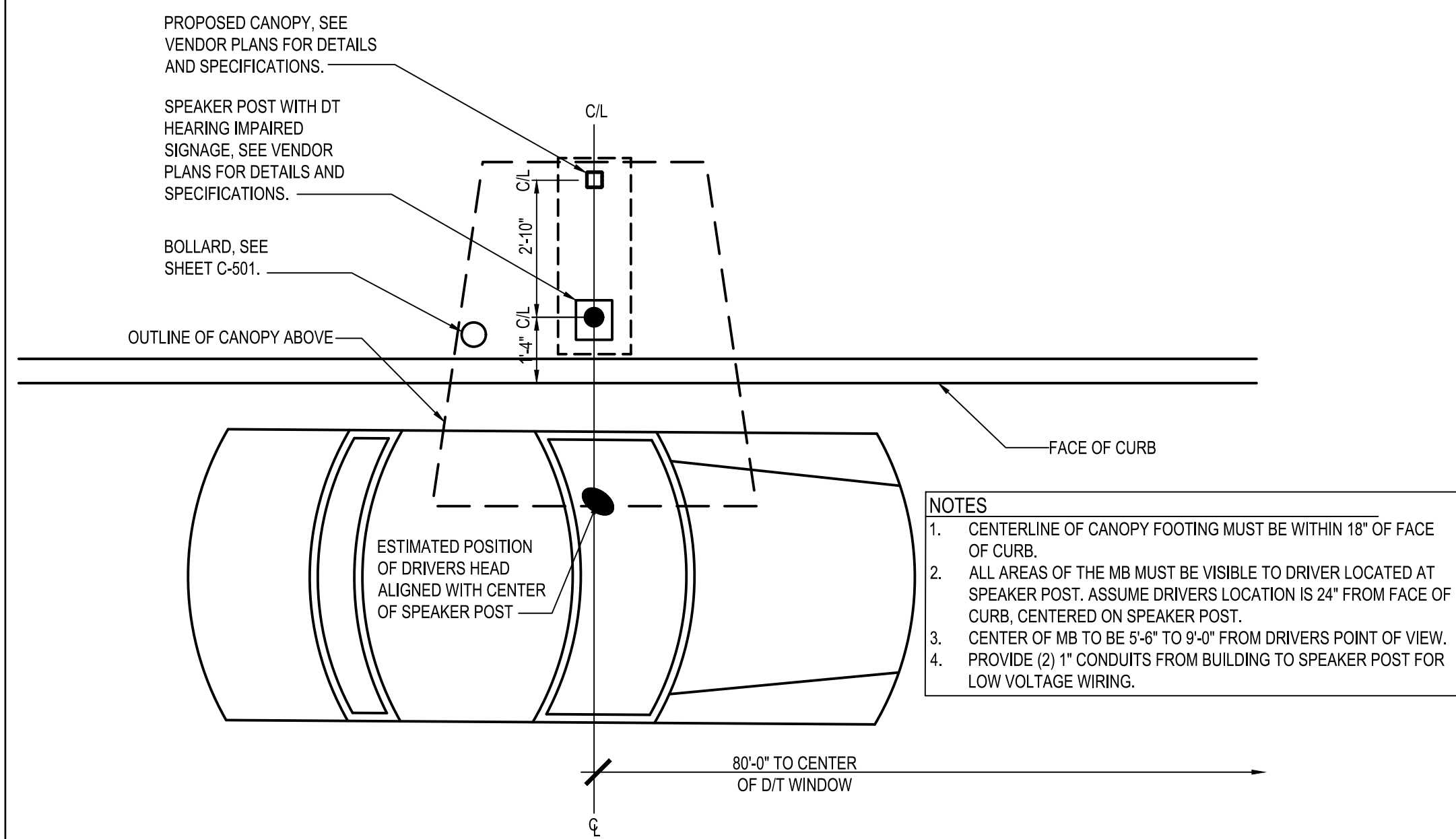
PLOT DATE:



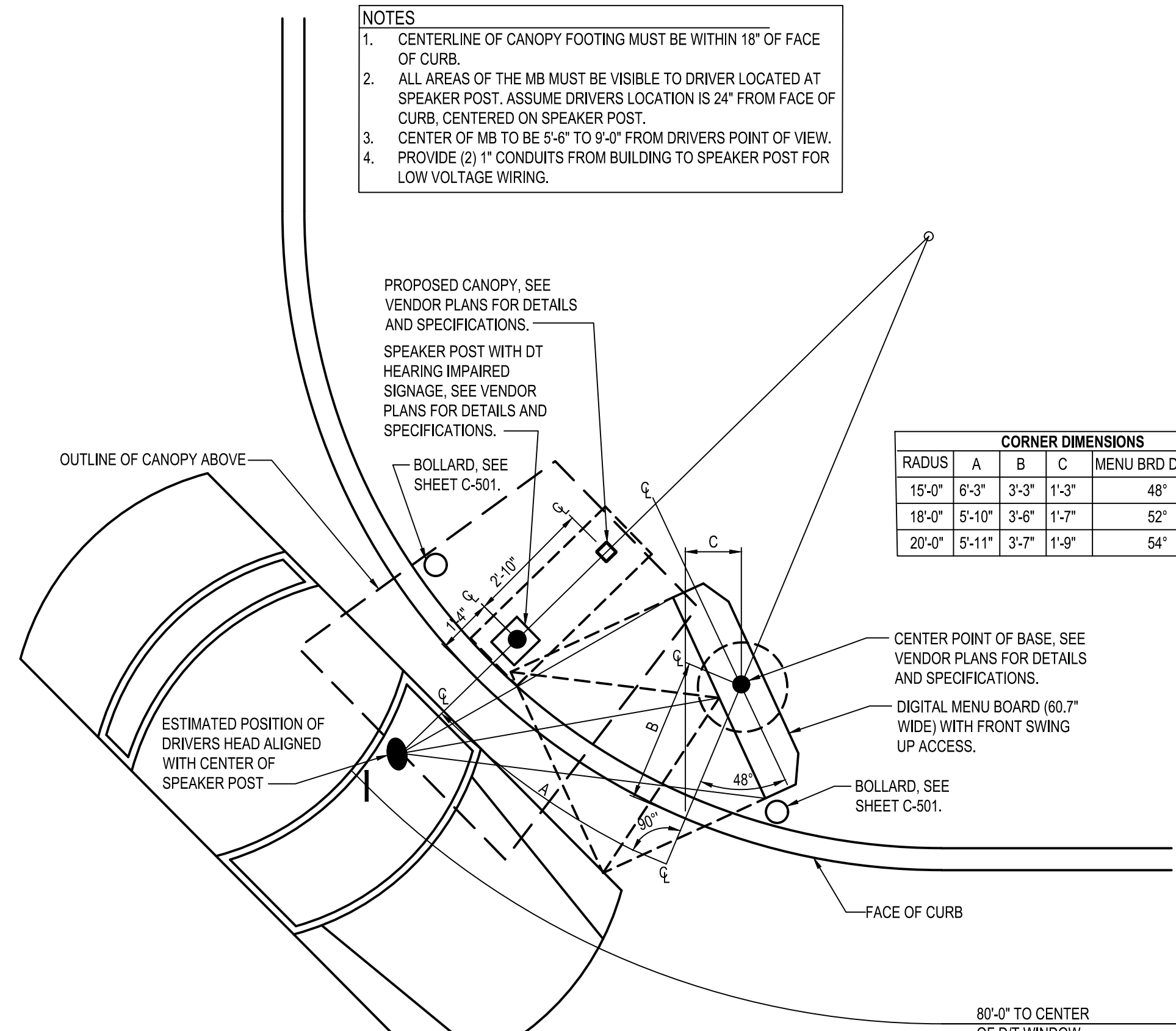
D1 PORTAL PLACEMENT DETAIL
N.T.S.



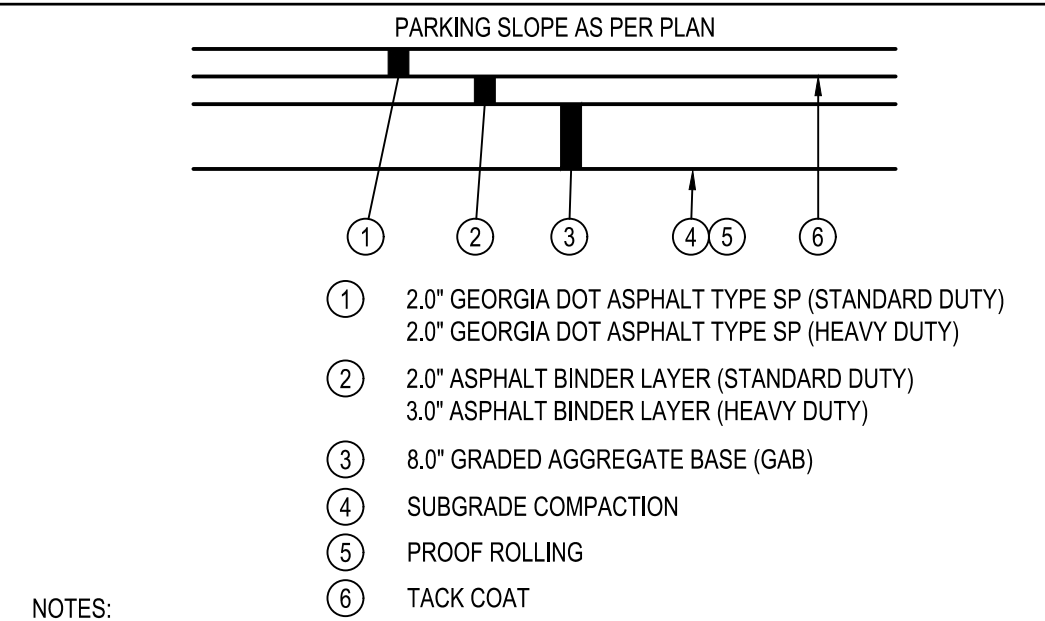
C1 CONCRETE COLLAR
N.T.S.



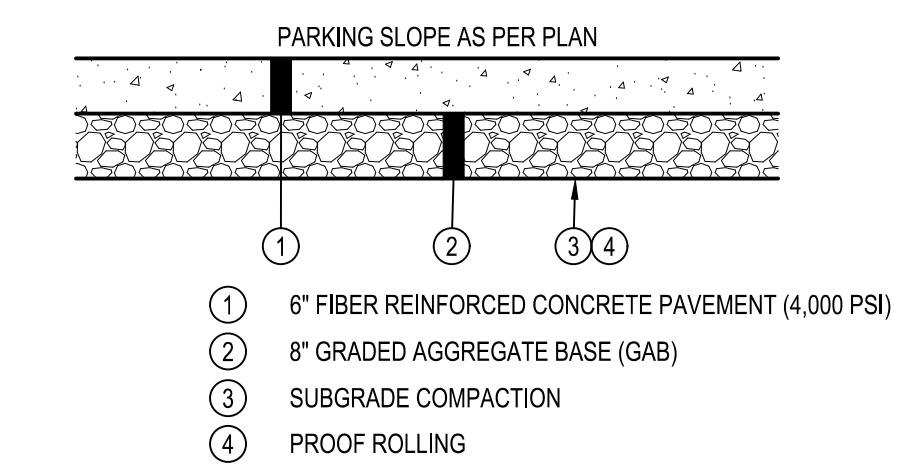
A1 ENLARGED MENU BOARD
DETAIL @ STRAIGHT CURB
N.T.S.



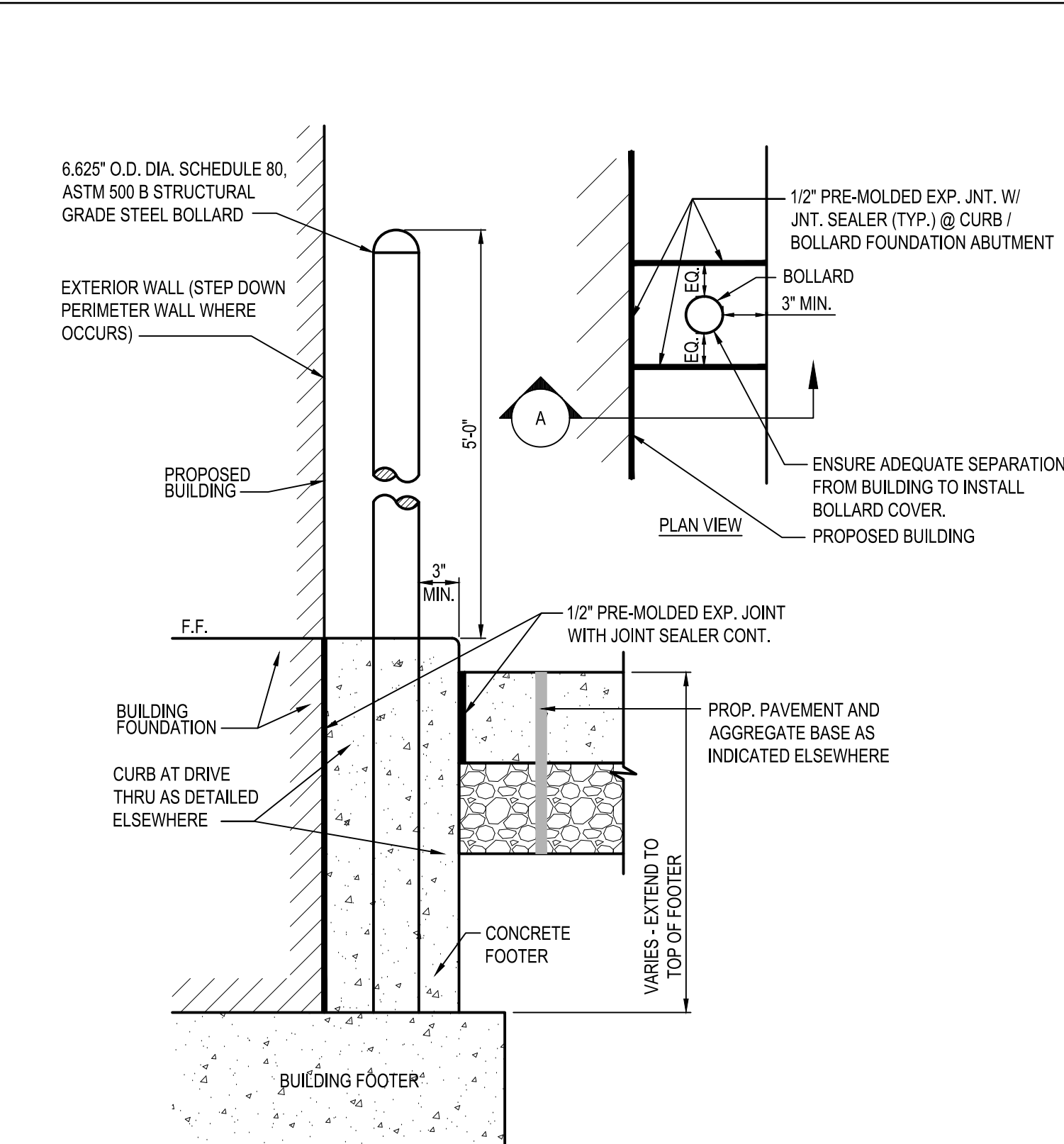
A3 ENLARGED MENU BOARD
DETAIL @ CURVED CURB
N.T.S.



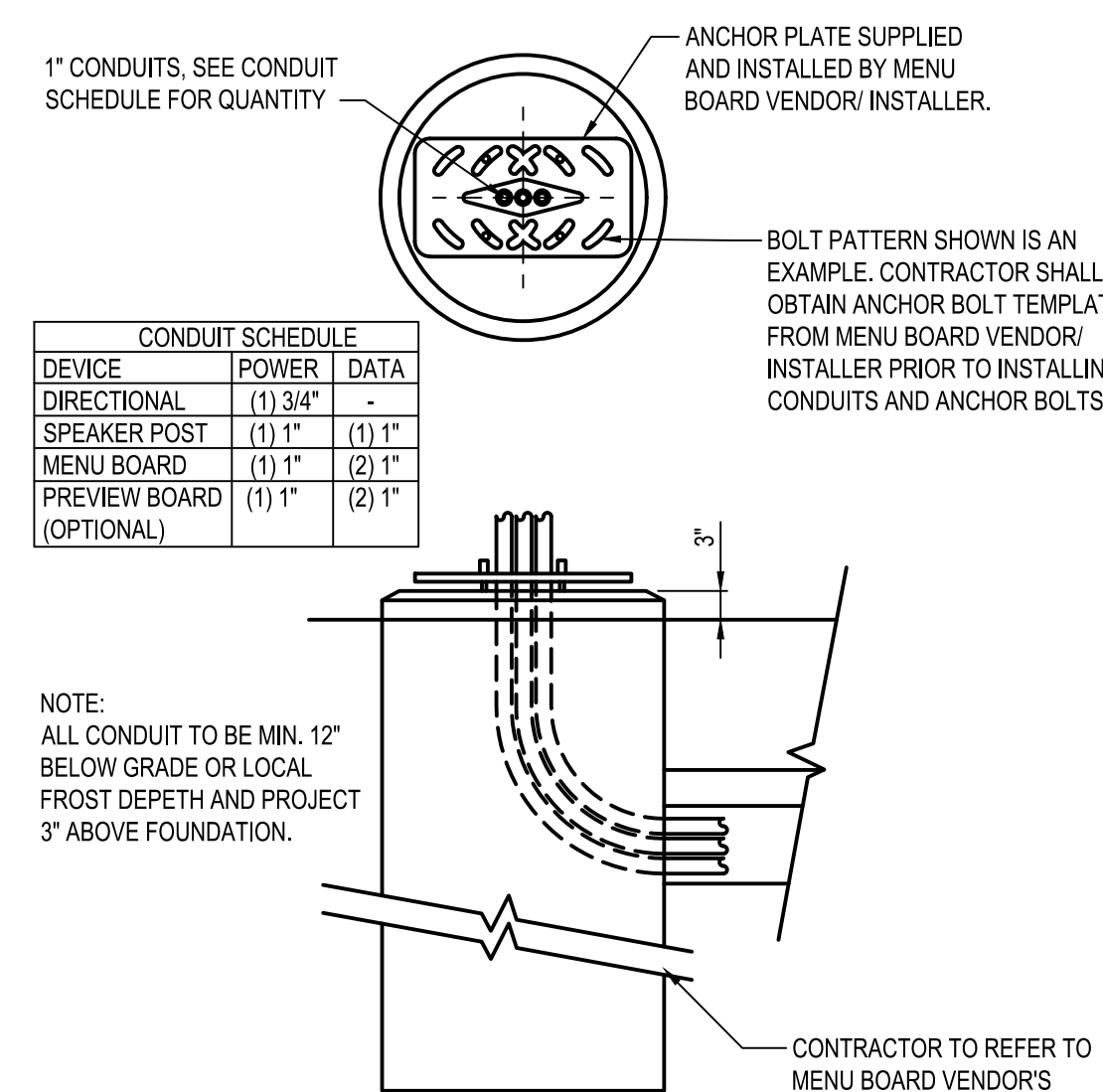
D3 ASPHALT PAVEMENT
N.T.S.



C3 CONCRETE PAVEMENT
N.T.S.



C4 DETERRENT BOLLARD IN CURB
N.T.S.



A5 FOUNDATION CONDUIT DETAIL
N.T.S.

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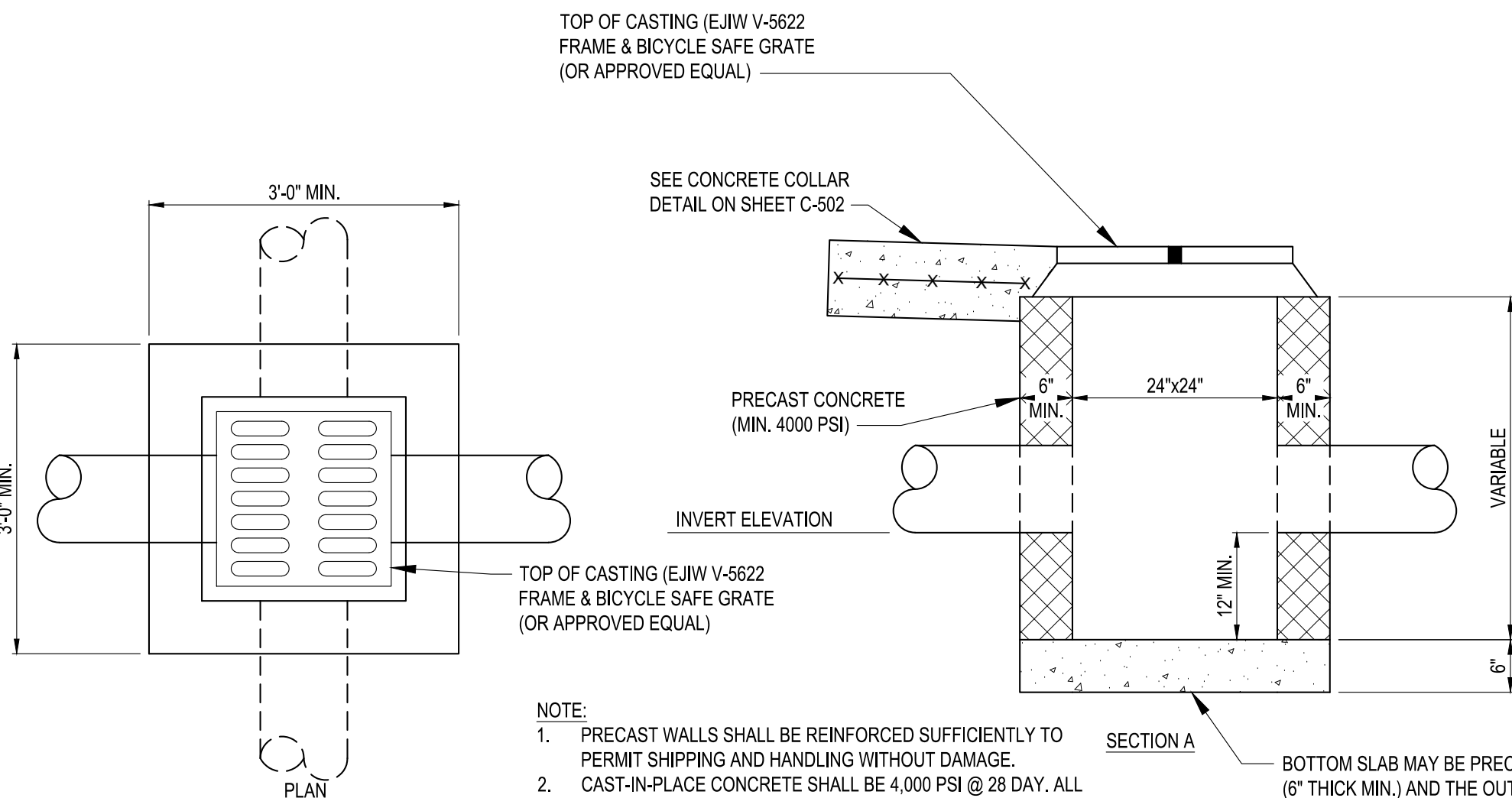
TACO BELL
NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



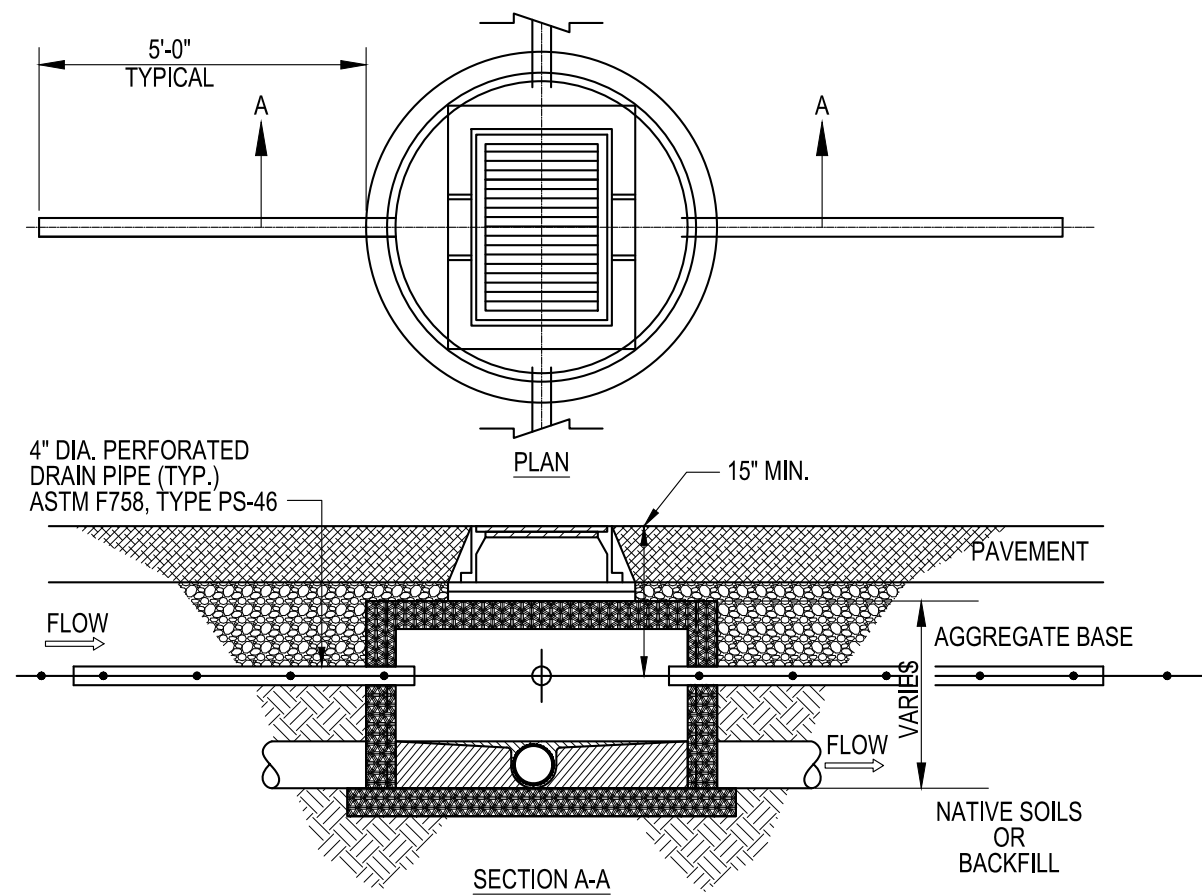
END-20
DETAILS

C-502

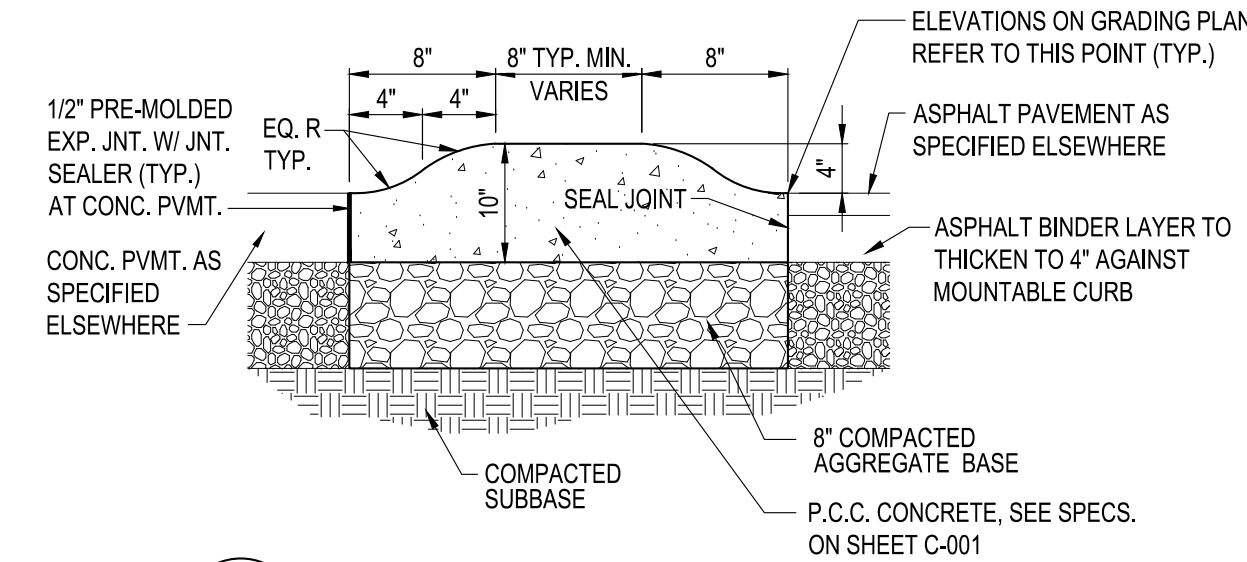
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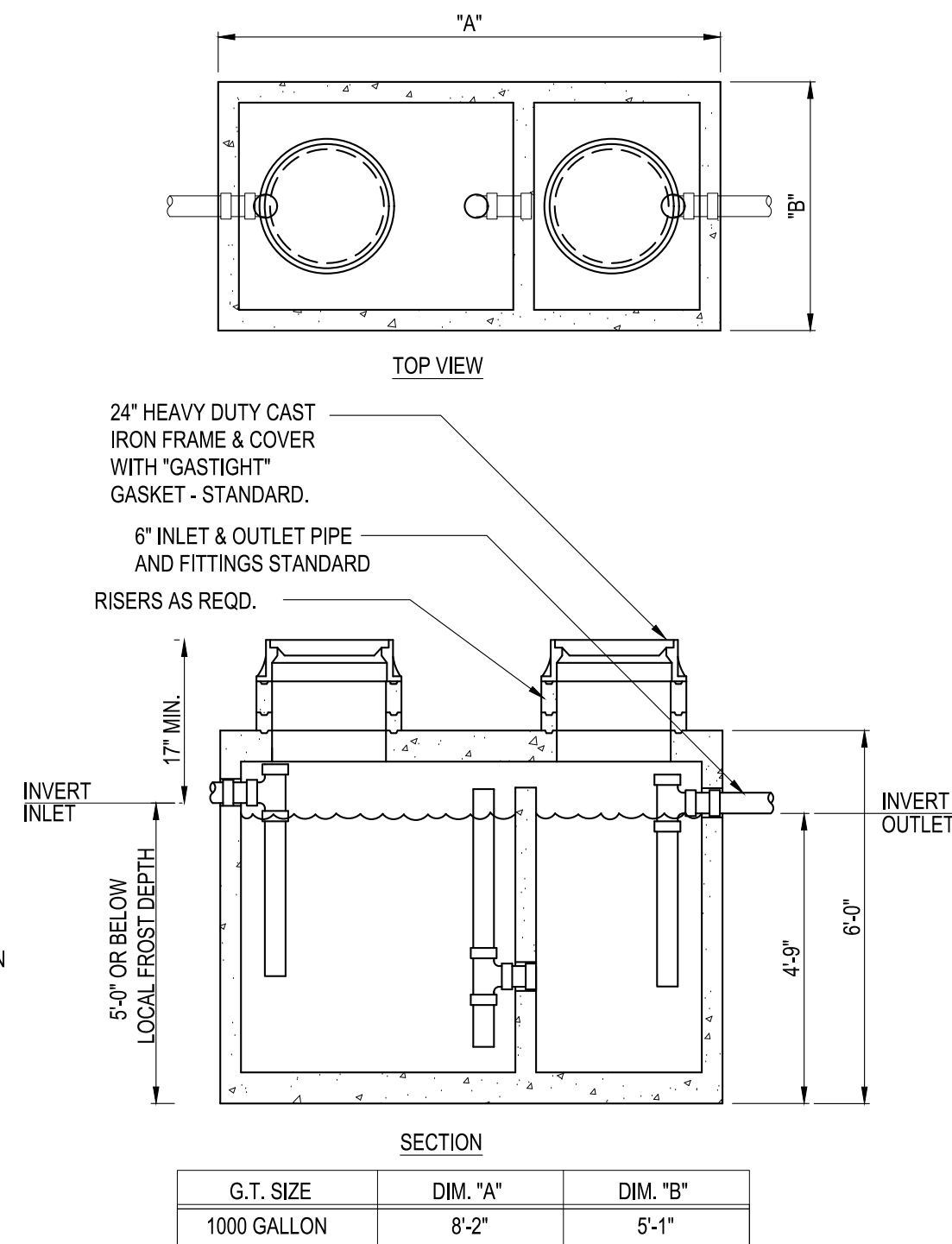
D1 PRECAST CATCH BASIN
N.T.S.



D3 FINGER DRAIN DETAIL
N.T.S.



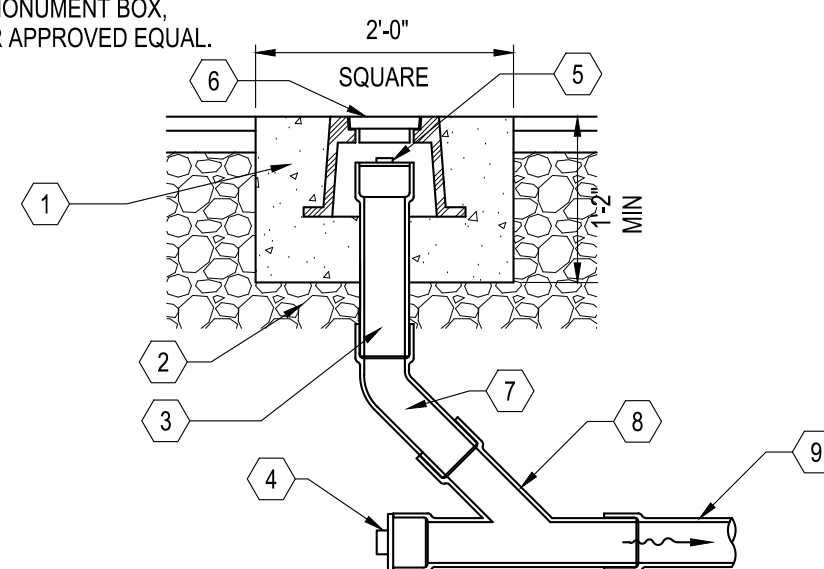
C4 MOUNTABLE CONCRETE CURB ISLAND
N.T.S.



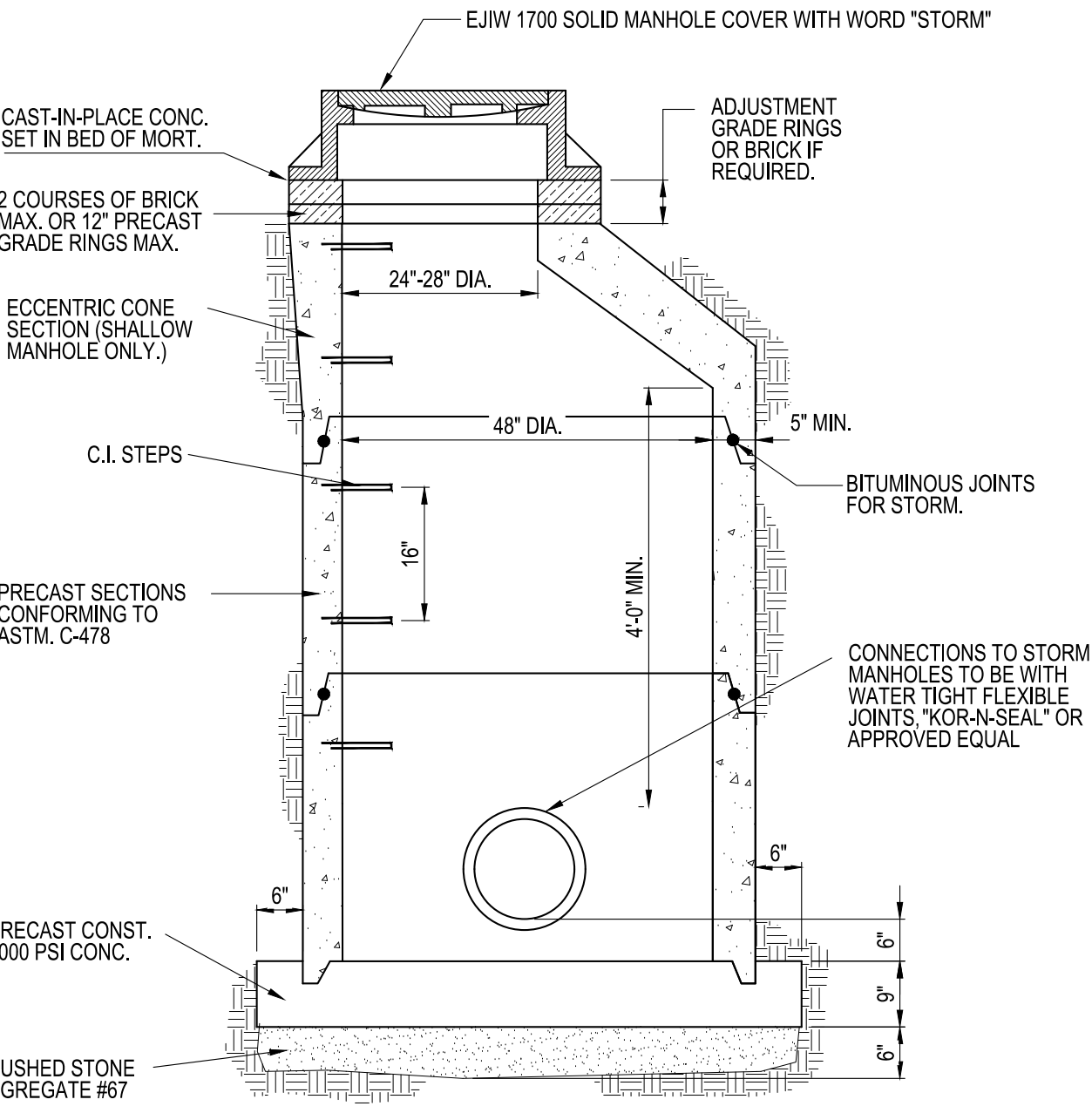
C5 EXTERIOR GREASE INTERCEPTOR
N.T.S.

KEYED NOTES

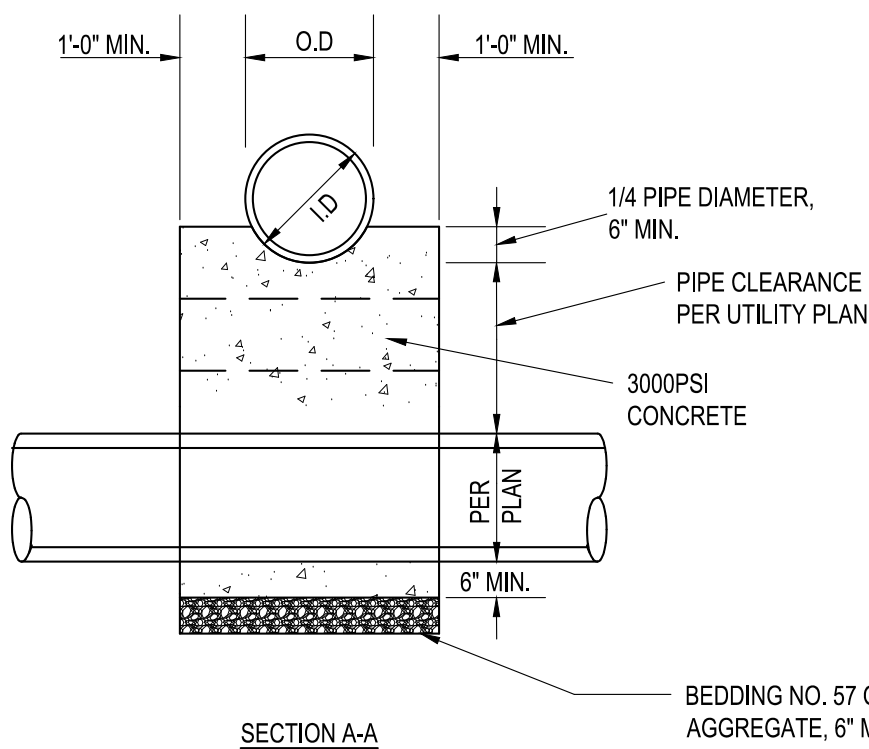
- 1 CONCRETE, MATCH PAVEMENT SPEC.
- 2 6" (MIN.) AGGREGATE BASE
- 3 6" DIA. CLEAN-OUT PIPE
- 4 CAP AND SEAL CONDUIT
- 5 THREADED CLEAN-OUT CAP
- 6 CAST-IRON MONUMENT BOX, EJIW 1565 OR APPROVED EQUAL
- 7 45° BEND
- 8 WYE
- 9 SEWER



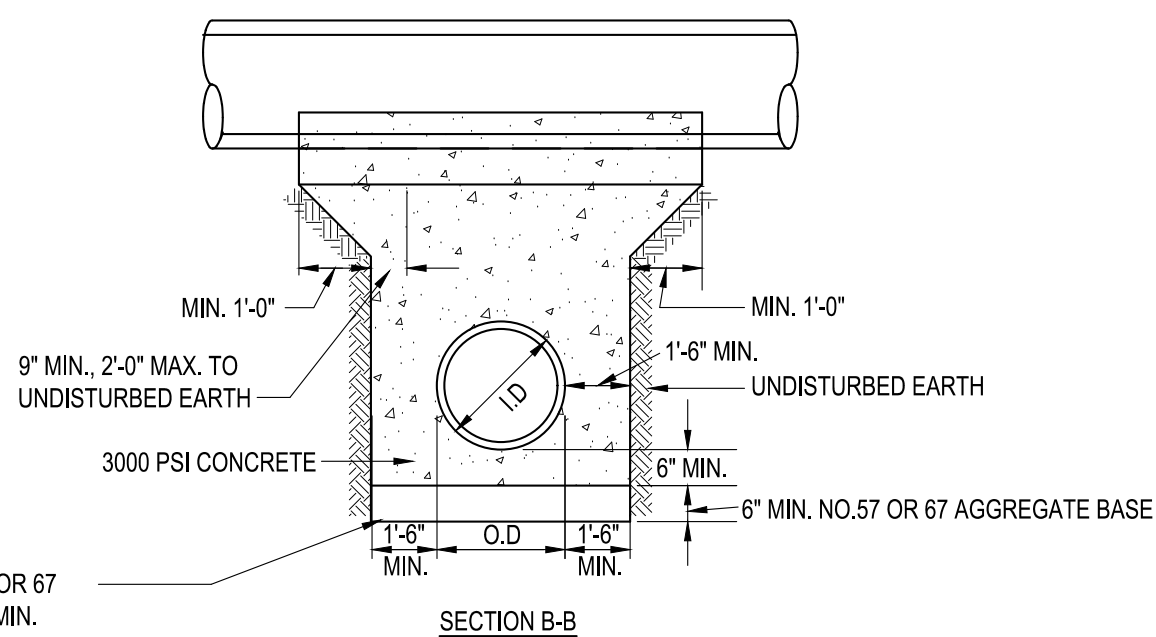
B5 CLEAN OUT (PAVEMENT AREA)
N.T.S.



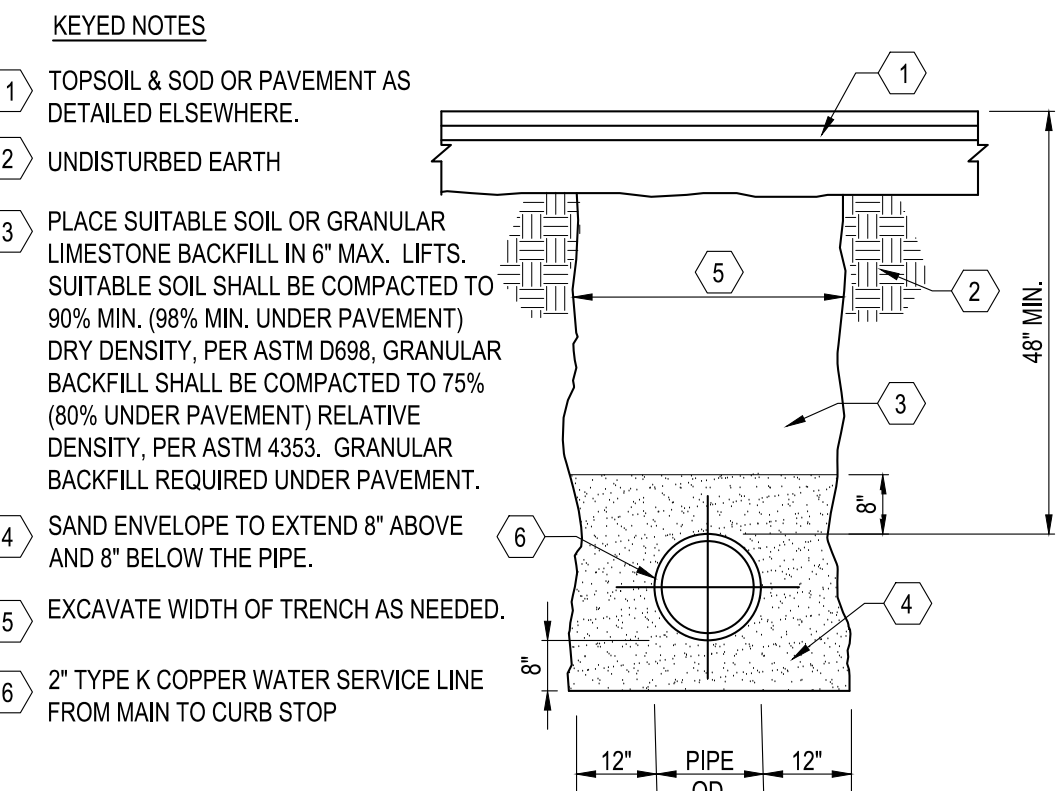
B1 48" DIA. PRECAST STORM MANHOLE
N.T.S.



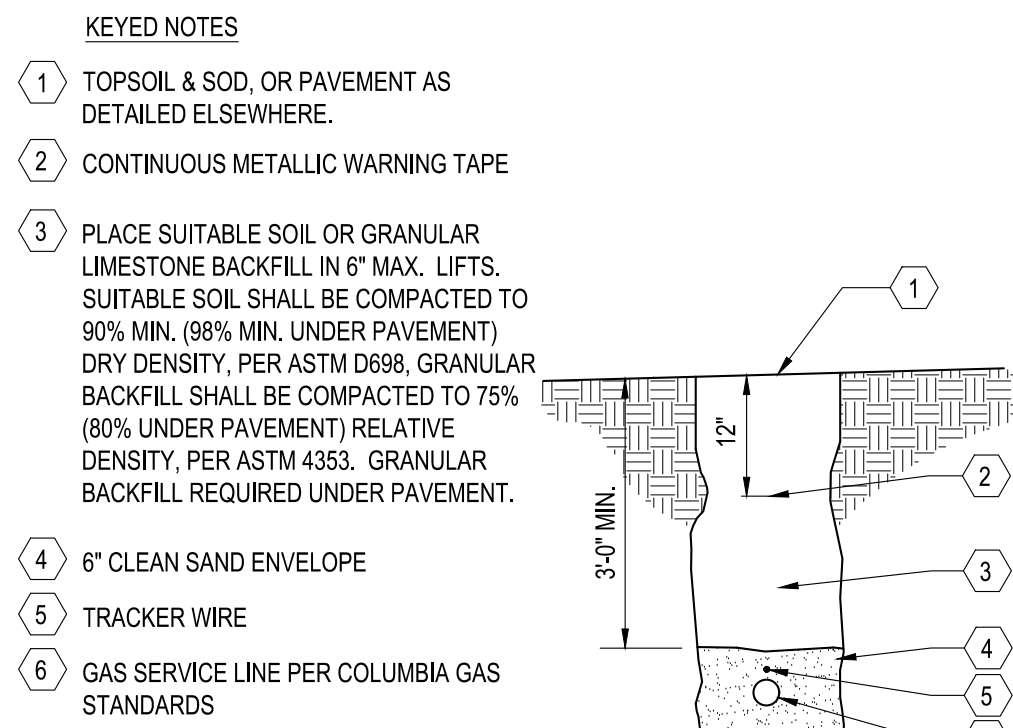
B2 CONCRETE ENCASEMENT MONOLITHIC CRADLING OF UPPER PIPE FOR CROSSINGS WITH LESS THAN 18" MINIMUM CLEARANCE
N.T.S.



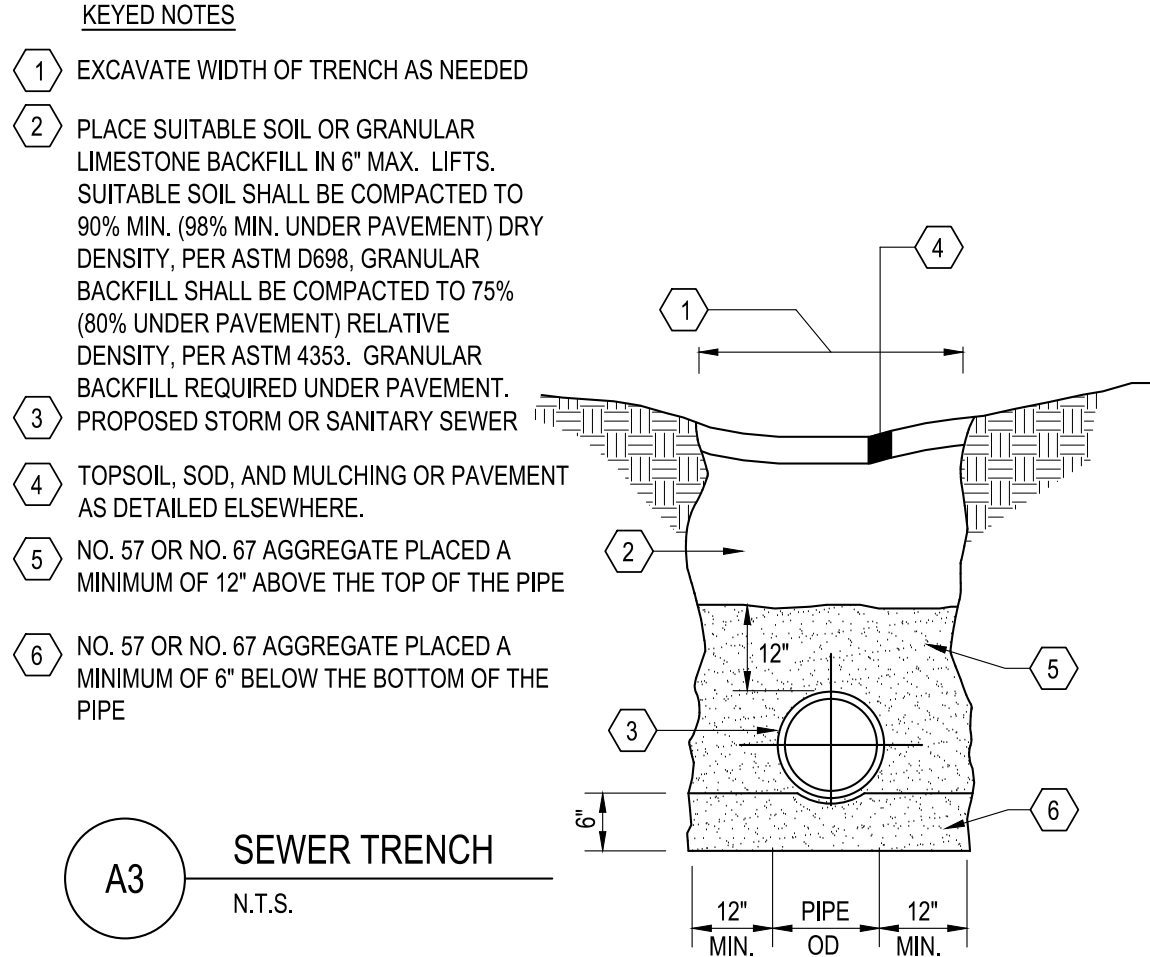
A3 SEWER TRENCH
N.T.S.



A1 WATER SERVICE TRENCH
N.T.S.

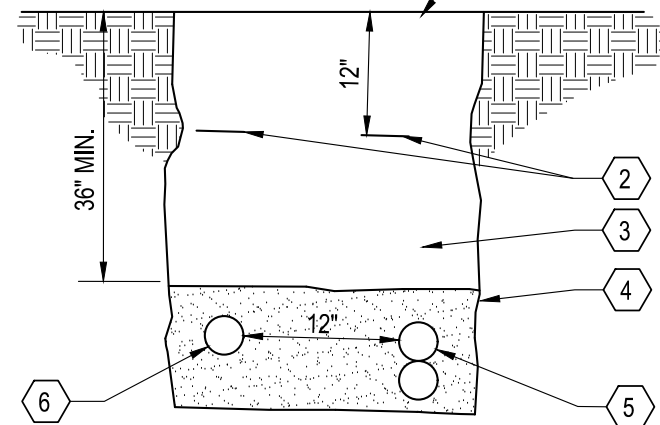


A2 GAS SERVICE TRENCH
N.T.S.



A4 ELECTRICAL & COMMUNICATIONS SERVICE TRENCH
N.T.S.

- KEYED NOTES
- 1 TOPSOIL & SOD, OR PAVEMENT AS DETAILED ELSEWHERE.
 - 2 CONTINUOUS METALLIC WARNING TAPE
 - 3 PLACE SUITABLE SOIL OR GRANULAR LIMESTONE BACKFILL IN 6" MAX. LIFTS. SUITABLE SOIL SHALL BE COMPACTED TO 90% MIN. (98% MIN. UNDER PAVEMENT) DRY DENSITY, PER ASTM D698. GRANULAR BACKFILL SHALL BE COMPACTED TO 75% (80% UNDER PAVEMENT) RELATIVE DENSITY, PER ASTM 4353. GRANULAR BACKFILL REQUIRED UNDER PAVEMENT.
 - 4 6" CLEAN SAND ENVELOPE
 - 5 3" PVC ELECTRICAL CONDUITS (SCHEDULE 40), QUANTITY AS REQUIRED
 - 6 2" PVC TELEPHONE CONDUIT (SCHEDULE 40), QUANTITY AS REQUIRED



A5 WYE CONNECTION
N.T.S.

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DRAWN BY.: AM
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TACO BELL

NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



**END-20
DETAILS**

C-503

PLOT DATE:

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	EVAN BOWLES 470-701-1106 EVAN.BOWLES@ADS-PIPE.COM
ADS SALES REP:	JOSHUA TYSON 770-713-2625 JOSHUA.TYSON@ADS-PIPE.COM
PROJECT NO:	S276078



TACO BELL - CARROLLTON
CARROLLTON, GA

BAYSAVER BARRACUDA SPECIFICATIONS

MATERIALS AND DESIGN

CONCRETE STRUCTURES: DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

48" HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM D7264. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

SEPARATOR INTERNALS SHALL BE SUBSTANTIALLY CONSTRUCTED OF STAINLESS STEEL, POLYETHYLENE, OR OTHER THERMOPLASTIC MATERIAL APPROVED BY THE MANUFACTURER.

PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR CONE ASSEMBLY, AND (1) SUMP ASSEMBLY WHICH INCLUDES (4) LEGS WITH "TEETH".

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING 0K-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

-OR-

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d_{50} =75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.

-OR-

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

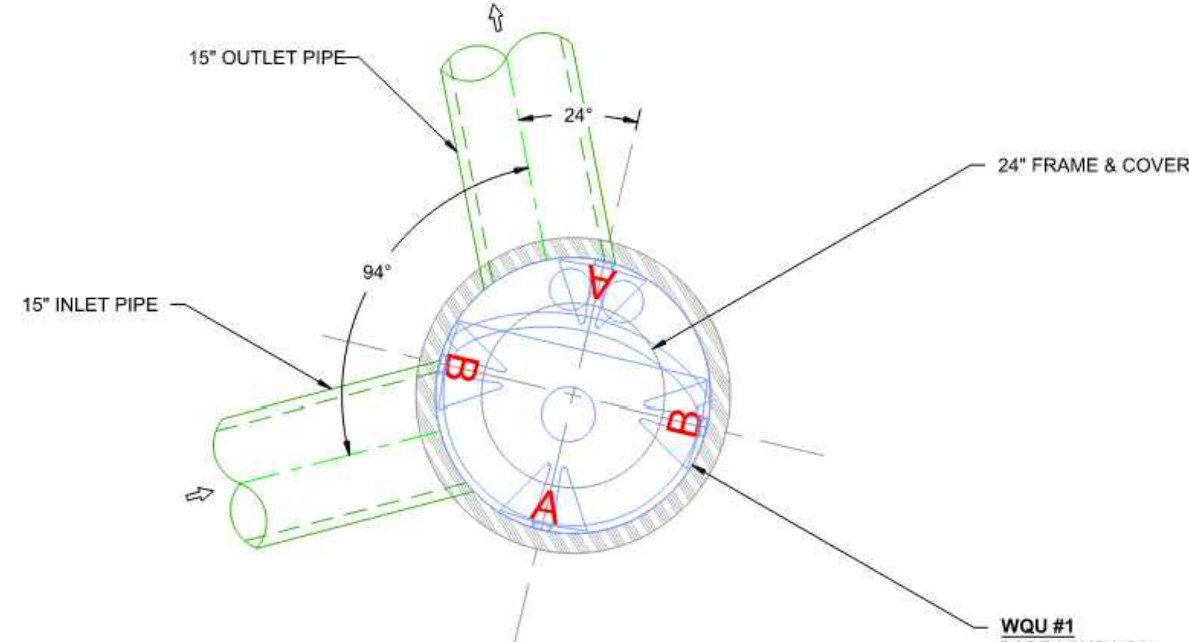
MANUFACTURER

EACH STORMWATER TREATMENT SYSTEM SHALL BE A BARRACUDA SYSTEM AS MANUFACTURED BY BAYSAVER, LLC, 1030 DEER HOLLOW DR., MOUNT AIRY, MD 21771, PHONE (301) 829-6470, FAX (301) 829-3747, TOLL FREE 1-800-229-7283 (1-800-BAYSAVER), EMAIL INFO@BAYSAVER.COM

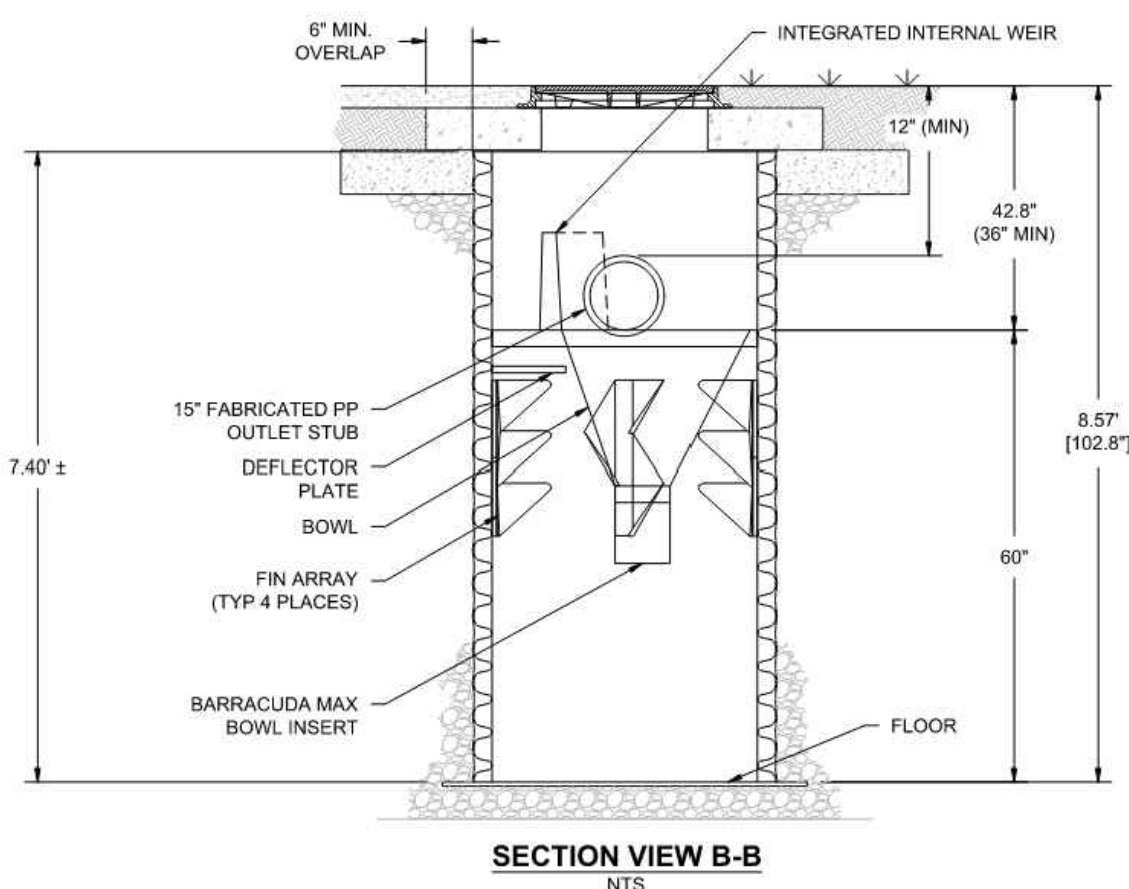
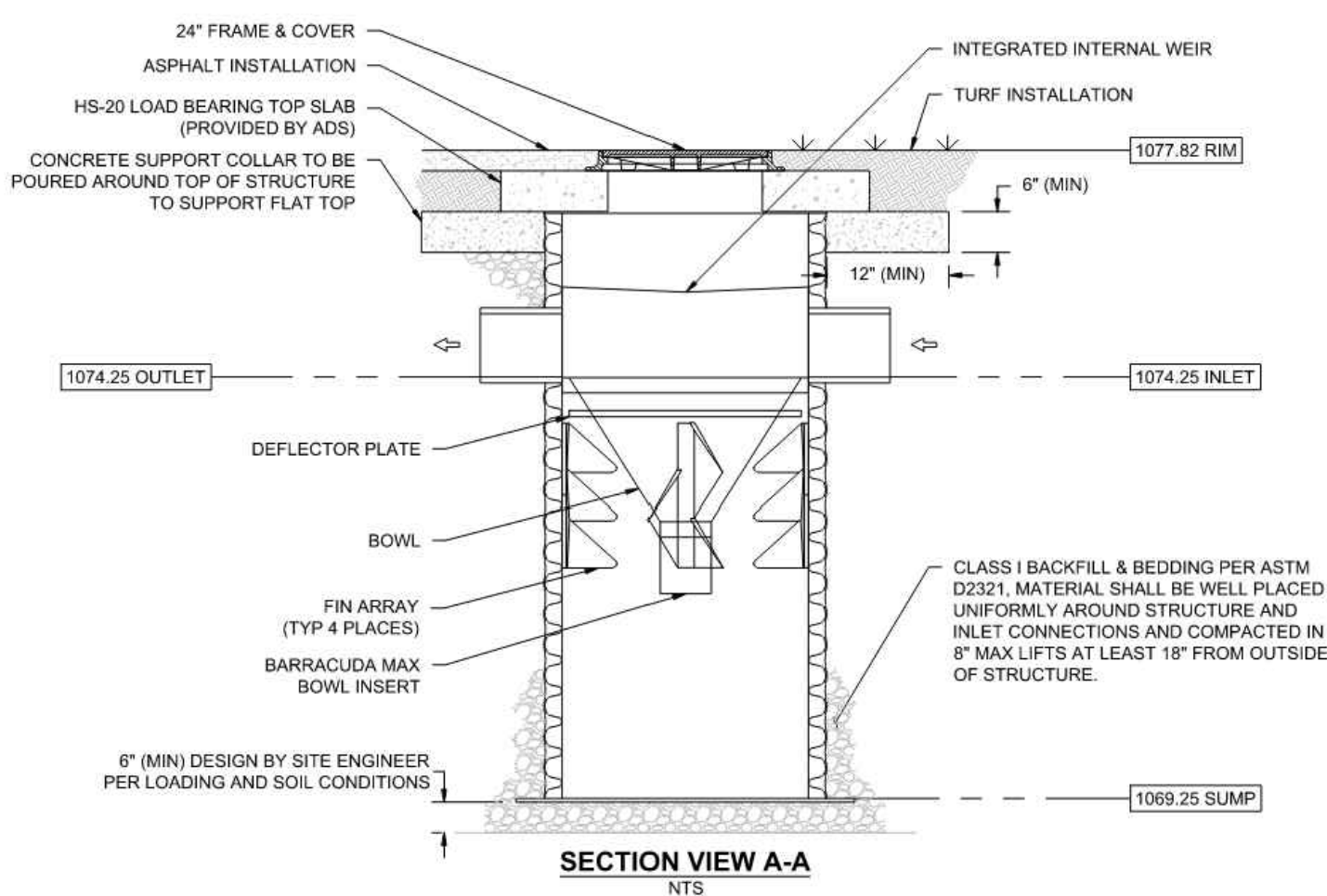
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NOTE: 12" MINIMUM FABRICATED STUBS AVAILABLE. SMALLER CONNECTIONS CAN UTILIZE REDUCERS TO CONNECT TO FABRICATED STUBS OR STUB CAN BE REPLACED WITH THE APPROPRIATE INSERTA TEE.



BARRACUDA MAX S3	
UNIT ID	WQU #1
PEAK FLOW RATE (CFS)	
TREATMENT FLOW RATE (CFS)	0.85

[illegible]

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TACO BELL

NWC OF MAPLE ST. AND COMMON BLVD
CARROLLTON, GA 30117



END-20
WATER QUALITY
DETAILS

C-505

PLOT DATE:

LANDSCAPE NOTES & PLANTING SPECIFICATIONS

SCOPE OF WORK

1. THIS WORK SHALL CONSIST OF PERFORMING CLEARING AND GRUBBING, SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.

2. QUANTITY TAKEOFF IS SUPPLIED FOR CONTRACTOR'S ASSISTANCE ONLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL PLANT MATERIALS AS PER PLAN.

3. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR WITHIN EASEMENT OR RIGHT-OF-WAY LIMITS.

PRESERVATION/PROTECTION (IF APPLICABLE)

1. CONTRACTOR SHALL MAINTAIN AND PRESERVE TREES AND SHRUBS NOT BEING REMOVED, INCLUDING THEIR ROOTS. TREE PROTECTION FENCING SHALL BE USED AT THE DRIP LINE OF ALL TREES AND SHRUBS WITHIN 50 FEET OF CONSTRUCTION EXCEPT AS SHOWN ON PLAN. FENCING SHALL REMAIN IN PLACE UNTIL FINAL PLANT INSPECTION FOLLOWING CONSTRUCTION. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE OPERATED TO AVOID SOIL COMPACTION.

2. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 6" ABOVE THE GROUND LINE IN INCHES) EXPRESSED IN FEET. (EXAMPLE: A CIRCUMFERENCE OF 10" WOULD HAVE A "NO CUT" ZONE OF 20 FEET IN ALL DIRECTIONS FROM THE TREE). THIS SHOULD APPLY TO UTILITY SERVICES, IF FEASIBLE. THE ONLY EXCEPTION TO THIS REQUIREMENT WILL BE THOSE SPECIFICALLY ALLOWED BY THE LANDSCAPE ARCHITECT, SPECIFICATIONS OR AS INDICATION ON THE PLANS.

3. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH THE ARBOR CULTURAL STANDARDS OF THE CITY.

PLANT MATERIALS

1. GENERAL - ALL MATERIALS SHALL BE OF ITS KIND AVAILABLE AND SHALL HAVE BEEN GROWN IN A CLIMATE SIMILAR TO THAT ON SITE.

2. PLANTS - ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS. QUALITY AND SIZE OF PLANT MATERIAL SHALL CONFORM TO ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK".

3. VARIETIES AND SIZES OF PLANTS SHALL BE AS SHOWN ON DRAWINGS.

4. PLANTS SHALL BE IN A HEALTHY, VIGOROUS CONDITION, FREE OF DEAD OR BROKEN BRANCHES, SCARS THAT ARE NOT COMPLETELY HEALED, FROST CRACKS, DISFIGURING KNOTS, BROKEN OR ABRADED BARK, REDUNDANT LEADERS OR BRANCHES, OR ABERRATIONS OF ANY KIND. PLANTS SHALL NOT HAVE MULTIPLE LEADERS, UNLESS THIS IS THE NATURAL FORM.

5. BALLED AND BURLAPPED (B&B) PLANTS SHALL BE DUG WITH A FIRM ROOT BALL OF NATURAL EARTH, OF A SIZE IN PROPORTION TO THE PLANT'S SIZE, AS MEASURED BY CALIPER, HEIGHT, OR SPREAD. BALLED AND BURLAPPED PLANTS SHALL BE HANDLED ONLY BY THE ROOT BALL, NOT BY THE TRUNK OR BRANCHES, AS THIS MAY BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM. CONTAINER PLANTS SHALL HAVE BEEN ESTABLISHED FOR A MINIMUM OF ONE FULL GROWING SEASON IN THEIR CONTAINERS BEFORE INSTALLATION. CONTAINER PLANTS SHALL BE HANDLED ONLY BY THE CONTAINER, NOT BY THE STEMS OR BRANCHES, AS THIS MAY PULL THE PLANT OUT OF THE CONTAINER AND BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM.

6. PLANTS SHALL BE PROTECTED FROM DRYING OUT DURING SHIPPING WITH TARPAILINS OR OTHER COVERINGS. PLANTS SHALL BE PROTECTED FROM DRYING OUT AFTER DELIVERY BY PLANTING IMMEDIATELY; IF THIS IS NOT POSSIBLE, THE ROOT BALL SHALL BE COVERED WITH PEAT MOSS OR EARTH, AND WATERED FREQUENTLY TO KEEP IT MOIST UNTIL PLANTING.

7. DO NOT HANDLE, MOVE, BIND, TIE OR OTHERWISE TREAT PLANTS SO AS TO DAMAGE THE ROOT BALL, ROOTS, TRUNK, OR BRANCHES IN ANY WAY.

TOPSOIL

1. TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR REUSE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK. IMPORTED TOPSOIL SHALL CONSIST OF LOOSE, FRIABLE, LOAMY TOPSOIL WITHOUT ADMXTURE OF SUBSOIL OR REFUSE. ACCEPTABLE TOPSOIL SHALL CONTAIN NOT LESS THAN 3 PERCENT NOR MORE THAN 20 PERCENT ORGANIC MATTER.

2. PLANTING BACKFILL FOR PARKING LOT ISLANDS SHALL CONSIST OF A HOMOGENEOUS MIXTURE OF 3 PARTS TOPSOIL TO ONE PART SPHAGNUM PEAT INSTALLED OVER A 6" THICKNESS OF NO. 57 AGGREGATE.

SOIL CONDITIONING

1. OBTAIN LABORATORY ANALYSIS OF STOCKPILED AND IMPORTED TOPSOIL COMPLETE WITH RECOMMENDATIONS FOR SOIL AMENDMENT.

2. BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEIOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.

3. MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY THE LAB REPORT. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS.

4. FOR PLANTING BEDS AND LAWNS, MIX PLANTING SOIL EITHER PRIOR TO PLANTING OR APPLY ON SURFACE OF TOPSOIL AND MIX THOROUGHLY BEFORE PLANTING. MIX LIME WITH DRY SOIL PRIOR TO MIXING OF FERTILIZER.

5. PREVENT LIME FROM CONTACTING ROOTS OF ACID-LOVING PLANTS.

6. APPLY PHOSPHORIC ACID FERTILIZER (OTHER THAN THAT CONSTITUTING A PORTION OF COMPLETE FERTILIZERS) DIRECTLY TO SUBGRADE BEFORE APPLYING PLANTING SOIL AND TILLING.

PLANTING SOIL

1. PLANTING SOIL MIX SHALL BE CLEAR OF ALL STONES AND DEBRIS 1" OR LARGER, AND CONSIST OF THE FOLLOWING: 25% ORGANIC COMPOST, 75% ACCEPTABLE TOPSOIL.

OTHER MATERIALS

1. BED EDGING - EDGING SHALL BE 4" STEEL EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN MULCH AREA AND ANY ADJACENT TURF AREA.

2. MULCH: ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS AND SUITABLE FOR TOP DRESSING OF TREES, SHRUBS, OR PLANTS AND CONSISTING OF THE FOLLOWING:

a. RIVER ROCK MULCH AREA: AGGREGATE MULCH, 3/4"-2" IN SIZE, WASHED AND ROUNDED, SHALL BE INSTALLED WITHIN THE RIVER ROCK MULCH AREA PER THE PLAN. RIVER ROCK MULCH SHALL BE INSTALLED AT 3" INCHES DEPTH.

b. NON-DRYED, DOUBLE SHREDDED HARDWOOD SHALL BE INSTALLED IN ALL OTHER LANDSCAPE BEDS OUTSIDE OF THE RIVER ROCK MULCH AREA AT A DEPTH OF 3 INCHES.

GENERAL WORK PROCEDURES

1. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE GEORGIA STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCES.

2. CONTRACTOR SHALL OBTAIN A COPY OF LOCAL ORDINANCES REGARDING ACCEPTABLE PLANT AND PLANTING DETAILS AND ABIDE BY THOSE ORDINANCES AND DETAILS.

3. ENGINEER RESERVES THE RIGHT TO REJECT ALL PLANT MATERIAL DEEMED NOT ACCEPTABLE.

4. ANY PROPOSED PLANT SUBSTITUTIONS SHALL BE EQUIVALENT IN FORM, HABIT, STRUCTURE, BRANCHING AND LEAF TYPE AND MUST BE ISSUED TO THE LANDSCAPE ARCHITECT FOR APPROVAL, IN WRITING, PRIOR TO INSTALLATION.

WEEDING

1. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

PLANTING

1. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE OWNER BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.

2. PLANTING PITS SHALL BE AS PER DETAILS.

3. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT, FILL WITH PLANTING SOIL AROUND BALL OF PLANT. COMPLETE BACKFILLING AND WATER THOROUGHLY.

4. EACH TREE AND SHRUB SHALL RECEIVE THE LANDSCAPER'S BIONUTRITION (3-0-3) GRANULAR WITH MYCORRHIZAL TECHNOLOGY FERTILIZER OR APPROVED OTHER, APPLY FERTILIZER PER MANUFACTURER'S SPECIFICATIONS.

5. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.

6. INSTALL BED EDGING AND MULCH PER MATERIALS SPECIFICATION AND DETAILS.

7. REMOVE ALL SALES TAGS, STRINGS, STRAPS, WIRE, ROPE OR OTHER MATERIALS THAT MAY INHIBIT PLANT GROWTH BOTH ABOVE AND BELOW THE SURFACE OF THE SOIL.

8. REMOVE ANY BROKEN, SUCKERING, DISEASED, CRISSCROSSED OR AESTHETICALLY DISPLEASING BRANCHES BACK TO LIVE LEADER OR SIDE LATERAL WITH A FLUSH CUT.

FINISH GRADING

1. ALL AREAS WILL BE GRADED BY THE CONTRACTOR TO SUBSTANTIALLY PLUS/MINUS 0.1 FOOT OF FINISH GRADE.

2. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN, UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.

4. PARKING LOT ISLAND SHALL BE BACKFILLED AS PART OF THIS CONTRACT.

GROUND COVER

1. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.

2. MULCH GROUND COVER WITH 2" THICKNESS OF SPHAGNUM PEAT.

3. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.

4. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEDED PRIOR TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.

GUARANTEE

1. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.

CLEANUP

1. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. AN 'ACCEPTABLE CONDITION' SHALL BE AS DEFINED AND APPROVED BY THE OWNERS AUTHORIZED REPRESENTATIVE.

IRRIGATION

1. CONTRACTOR SHALL PROVIDE & INSTALL AN IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF THE SITE.

2. IRRIGATED AREAS WITHIN 5 FEET OF BUILDING WALLS SHALL BE IRRIGATED BY DRIP IRRIGATION OR SIMILAR. CONTRACTOR SHALL ENSURE BUILDING WALLS AND WINDOWS WILL NOT BE DAMAGED OR STAINED BY IMPROPER IRRIGATION INSTALLATION OR POOR SELECTION OF FIXTURES.

3. SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT SHALL COMPLY WITH CITY CODE.

5. IRRIGATION CONTRACTOR SHALL PROVIDE A METHOD FOR WINTERIZATION. WINTERIZATION SHALL BE PERFORMED BY CONTRACTOR UPON COMPLETION IF SYSTEM IS INSTALLED BETWEEN NOVEMBER 1 AND MARCH 31.

6. PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL.

5. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.

MAINTENANCE

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

1. MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.

2. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED.

3. MAINTAIN LAWNS BY WATERING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

4. MAINTAIN THE LANDSCAPING BY KEEPING ALL PLANTS DISEASE-FREE AND PLANTING BEDS GROOMED, EXCEPT IN NATURALLY OCCURRING VEGETATION AREAS.

5. REPLACE ANY REQUIRED PLANTING(S), WHICH SEVERELY DECLINE OR DIE AFTER THE DATE OF PLANTING. SUCH REPLACEMENT SHALL OCCUR DURING THE NEXT APPROPRIATE PLANTING SEASON.

SODDING

1. SOD SHALL BE FIRST GRADE CERTIFIED BLENDS OF THE FOLLOWING SPECIES PER HARDINESS ZONE CONTAINING NOT MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.

ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND

ZONE 6: APPROVED FESCUE BLEND

ZONES 7 & 8: APPROVED BERMUDA BLEND

ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND

2. SOD SHALL BE RECENTLY MOWED TO A HEIGHT OF NOT LESS THAN 3 INCHES. IT SHALL BE CUT INTO STRIPS OF NOT LESS THAN 3 FEET AND NOT OVER 6 FT. WITH A UNIFORM WIDTH OF NOT OVER 24 INCHES.

3. SOD SHALL BE CUT TO A DEPTH EQUAL TO THE GROWTH OF THE FIBROUS ROOTS BUT IN NO CASE LESS THAN 1 INCH.

4. SOD SHALL BE DELIVERED TO THE JOB WITHIN 24 HOURS AFTER BEING CUT AND SHALL BE INSTALLED WITHIN 48 HOURS AFTER BEING CUT.

5. BEFORE SOD IS PLACED, THE SOD BED WILL HAVE BEEN EXCAVATED TO SUCH A DEPTH THAT WHEN THE SOD IS IN PLACE THE TOP OF THE SOD WILL BE FLUSH WITH THE SURROUNDING GRADE.

6. NO SOD SHALL BE PLACED WHEN THE TEMPERATURE IS BELOW 32 DEGREES F. NO FROZEN SOD SHALL BE PLACED NOR SHALL ANY SOD BE PLACED ON FROZEN SOIL.

7. WHEN LAID ON A SLOPE, SOD SHALL BE LAID ON CONTOUR, STARTING AT THE BOTTOM OF THE SLOPE AND WORKING UP.

8. SOD SECTIONS OR STRIPS SHALL BE STAGGERED WHEN LAID, IN A BRICK-LIKE PATTERN, WITH SNUG EVEN JOINTS.

9. AFTER SOD IS PLACED, SECURE THE SOD TO THE SURFACE SOIL WITH WOOD PEGS, WIRE STAPLES, OR SPLIT SHINGLES. CONTRACTOR SHALL ENSURE SOD IS STABLE ON SLOPES AND AT A MINIMUM INSTALL ONE FASTENER AT EACH SHORT END OF THE SOD STRIP. FASTENERS SHALL NOT IMPAIR MOWING OR SHOULD BE REMOVED ONCE WELL-ROOTED, ESTABLISHED.

10. THE SOD SHALL BE WATERED THOROUGHLY AND TAMPED WITH APPROVED SOD TAMPERS SUFFICIENTLY TO BRING THE SOD INTO CLOSE CONTACT WITH THE SOD BED AND INSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.

11. THE CONTRACTOR SHALL KEEP ALL SODDED AREAS INCLUDING SUBGRADE, THOROUGHLY MOIST FOR 30 DAYS AFTER SODDING.

12. THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION AS DIRECTED BY THE ENGINEER. SOD SHALL BE IN PLACE AT LEAST 30 DAYS BEFORE FINAL ACCEPTANCE.

13. IF MOWING IS REQUIRED PRIOR TO FULL SOD ESTABLISHMENT, CONTRACTOR SHALL USE APPROPRIATE EQUIPMENT TO NOT DISTURB OR ERODE/RUT SOD.

SEEDING

1. GRASS SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS' "RULES FOR TESTING SEEDS" FOR PURITY AND GERMINATION TOLERANCES.

2. ALL AREAS TO BE SEEDED SHALL RECEIVE NO LESS THAN 0.23 POUNDS OF SEED PER ONE THOUSAND SQUARE FEET. APPLY SEED AND PROTECT WITH STRAW MULCH AS REQUIRED FOR NEW LAWNS.

3. GRASS SEED MIX SHALL CONSIST OF AT LEAST 3 ZOYSIA GRASS (ZOYSIA SP.) VARIETIES, OR MATCH EXISTING SPECIES ON SITE. SEED MIX SHALL BE APPLIED AT A RATE OF 3-4 LB PER 1,000 SF.

PLANTING SCHEDULE

1. ALL PLANTING IS RECOMMENDED TO BE DONE WITHIN THE FOLLOWING DATES. WHEN PLANTING OUTSIDE THESE DATES, WRITTEN DOCUMENTATION SHALL BE PROVIDED THAT SURVIVAL OR REPLACEMENT WILL BE ENSURED. NO PLANTING SHALL BE DONE IN FROZEN SOIL.

NORMAL PLANTING SEASONS

ALL TREES AND SHRUBS

SEED AND MULCH

OCTOBER 15 - MARCH 15

APRIL 16 - AUGUST 31



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

REV	DATE	REMARKS
1	03/18/2022	CITY COMMENTS
2	03/17/2022	ISSUED FOR RSCS BID
3	04/01/2022	ISSUED FOR BID

CONTRACT DATE:

XX.XX.XX

BUILDING TYPE:

END 20

PLAN VERSION:

JANUARY 2021

BRAND DESIGNER:

SITE NUMBER:

315462

STORE NUMBER:

PA/PM:

SM

DRAWN BY.:

JRA

JOB NO.:

2021088.49

TACO BELL

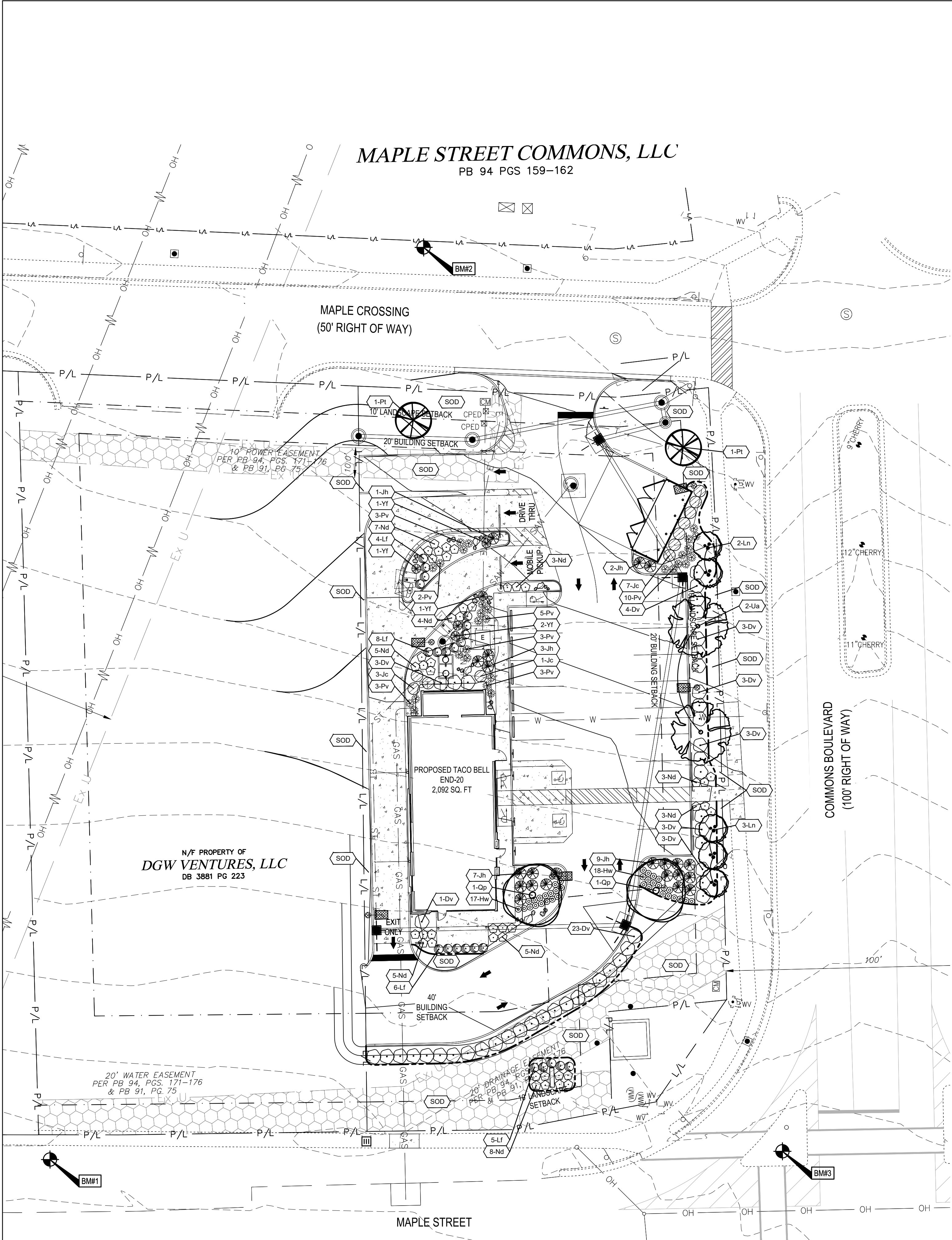
NWC OF MAPLE ST. AND COMMON BLVD.
CARROLLTON, GA 30117



END-20
LANDSCAPE PLAN

L-001

PLOT DATE:



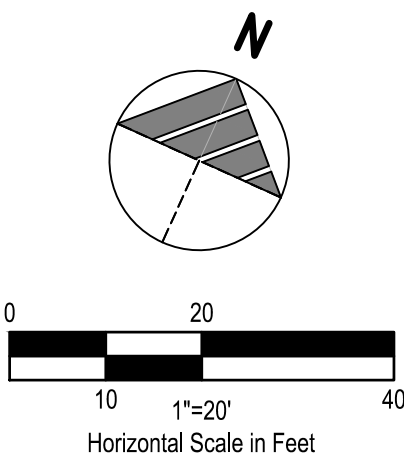
BENCHMARKS:

STATE PLANE GRID NORTH, NAD 83 (2011), OHIO NORTH ZONE.
ELEVATIONS ARE NAVD 88, GEOID 18, TIED BY GPS TO THE I.D.O.T. VRS.

BENCHMARK #1
5/8" RBS
N 1,297,053.37
E 2,008,844.25
ELEV. = 1,087.39

BENCHMARK #2
5/8" RBS
N 1,297,158.10
E 2,008,832.20
ELEV. = 1,077.15

BENCHMARK #3
MAG NAIL
N 1,297,158.10
E 2,008,869.01
ELEV. = 1,086.56



- LANDSCAPE NOTES**
- MULCH PER LANDSCAPE SPECIFICATIONS.
 - ALL DISTURBED AREAS NOT TO BE PAVED OR MULCHED SHALL BE SODDED PER SPECIFICATIONS.
 - ALL DISTURBED AREAS WITHIN THE R.O.W. NOT TO BE PAVED, SHALL BE SEEDED PER THE SPECIFICATIONS.

LANDSCAPE LEGEND

- PROPOSED LANDSCAPE BED EDGE
- PROPOSED TREE
- PROPOSED SHRUB / PERENNIAL
- PROPOSED LIMESTONE BOULDER, DESERT SAND, 12"-36"
- PROPOSED PLANT QUANTITY AND SYMBOL
- PROPOSED LAWN AREA
- PROPOSED RIVER ROCK MULCH AREA

TREE CANOPY REQUIREMENT

ZONING: C-2		(A) LOT SIZE: 28,314 SF	
(B) TREE CANOPY PERCENT			
C-2: 40%			
(A) X (B) = NEEDED AMOUNT OF TREE CANOPY			
11,325 SF			
SYMBOL	(C) TREE TYPE & (D) CANOPY SF PER TREE	(E) NUMBER	(F) TOTAL CANOPY SF
	WINGED ELM 1,600 SF PER TREE	2	3,200 SF
	WILLOW OAK 1,600 SF PER TREE	2	3,200 SF
	LOBLOLLY PINE 1,600 SF PER TREE	2	3,200 SF
	CRAPEMYRTLE 400 SF PER TREE	5	2,000 SF
TOTAL CANOPY SF FOR ALL TREES		COLUMN SUM: 11,600 SF	

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	MIN. SIZE	CONDITION	REMARKS
TREE						
Ln	Lagerstroemia indica x fauriei 'Natchez'	Natchez Crape Myrtle	5	10' H	B&B	Multi-stem
Pt	Pinus taeda	Loblolly Pine	2	9-10' H	B&B	Specimen
Qp	Quercus phellos	Willow Oak	2	2" Cal.	B&B	Matching
Ua	Ulmus alata	Winged Elm	2	2" Cal.	B&B	Matching
SHRUB / GROUND COVER						
Dv	Distylium 'Vintage Jade' PP23,128	Vintage Jade Distylium	46	36" Ht. x 36" W	B&B	4.5' o/c
Hw	Heuchera 'White Spires'	White Spires Coral Bells	35	36" Ht. x 36" W	B&B	4.5' o/c
Jc	Juniperus chinensis 'Spartan'	Spartan Juniper	11	5' H x 3' W	B&B	4.5' o/c
Jh	Juniperus horizontalis 'Wiltoni'	Creeping Juniper	22	5' H x 3' W	B&B	4.5' o/c
Lf	Leucophyllum candidum 'Thunder Cloud'	Thunder Cloud Texas Sage	23	5' H x 3' W	B&B	4.5' o/c
Nd	Nandina domestica 'Monfar'	Sienna Sunrise Heavenly Bamboo	43	18" H, 3 Gal.	Cont.	3' o/c
Pv	Panicum virgatum 'Northwind'	Northwind Switchgrass	29	24" H, 5 Gal.	Cont.	Per Plan
Yf	Yucca flaccida 'Ivory'	Ivory Yucca	5	12" H, 2 Gal.	Cont.	Per Plan

GPD GROUP
Professional Corporation

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TACO BELL

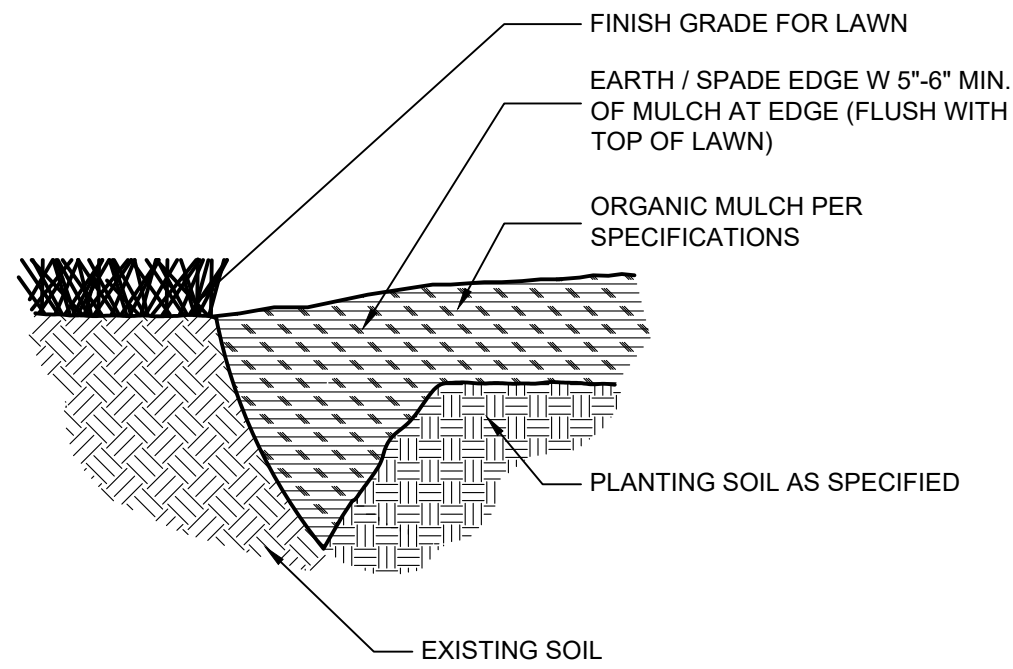
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**END-20
LANDSCAPE PLAN**

L-101

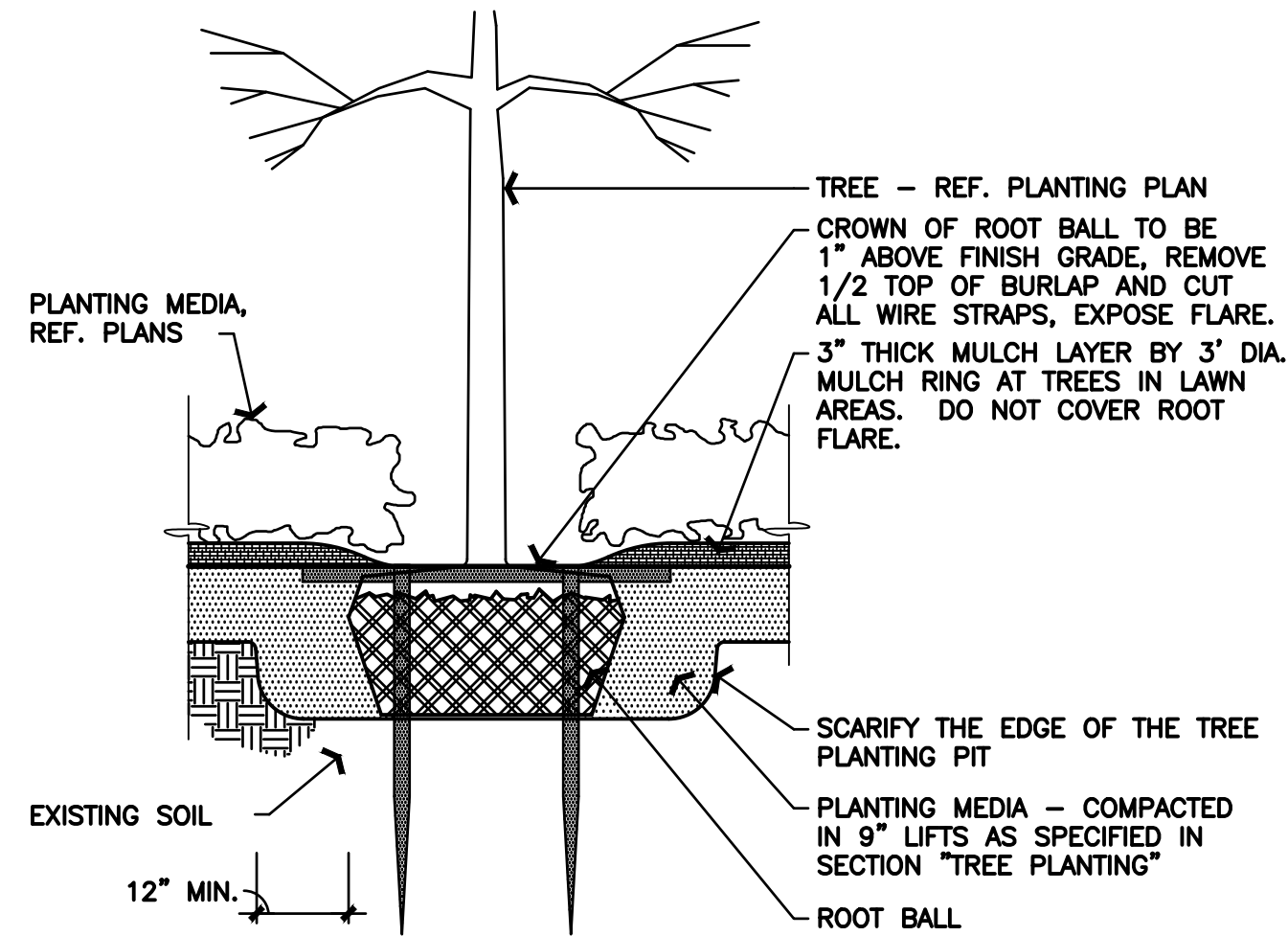
PLOT DATE:



GENERAL NOTES:
USE WHEREVER MULCHED PLANTINGS TRANSITION TO TURF AREAS, INCLUDING ALL TREE MULCH RINGS, SHRUB BEDS, MASS PLANTINGS BEDS, ETC...

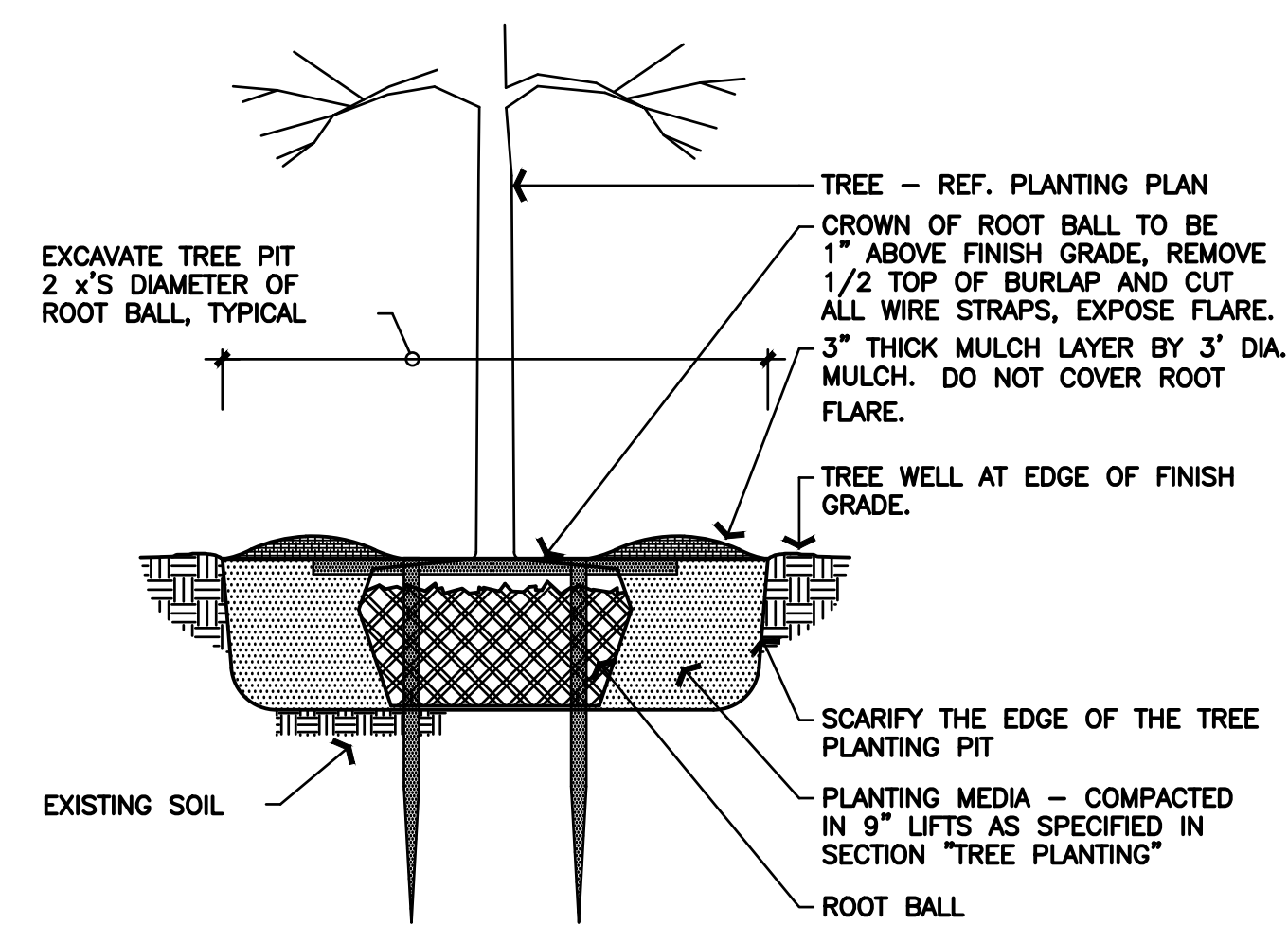
EARTH SPADE EDGE DETAIL

N.T.S.



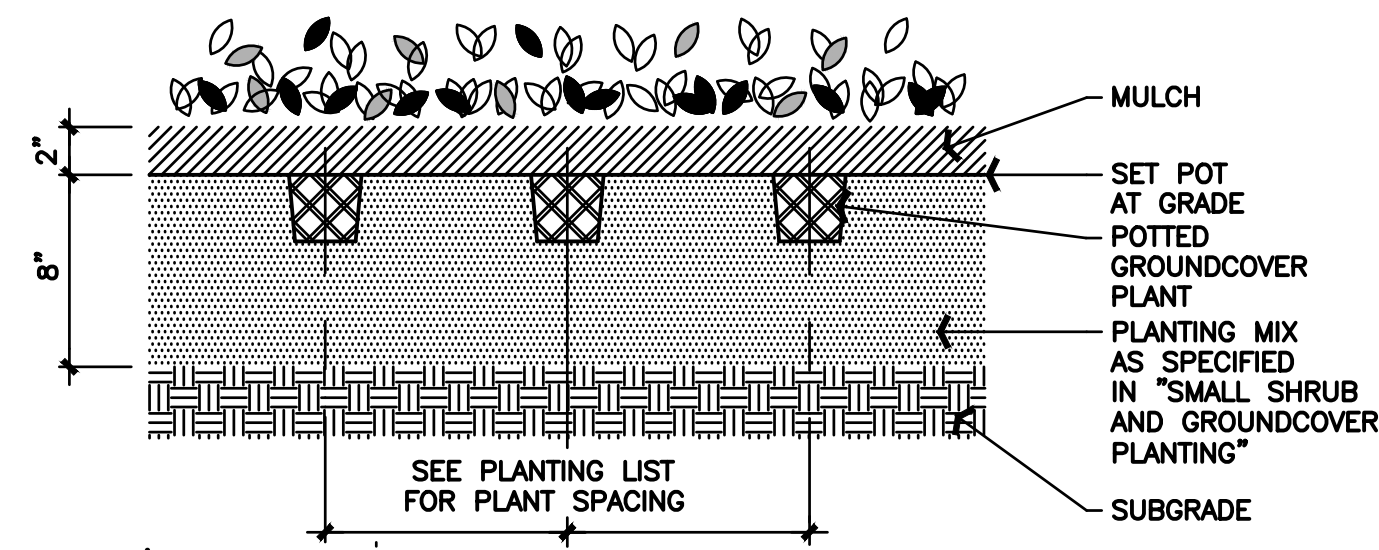
TREE PLANTING IN PLANTER - SECTION

1/2" = 1'-0" 0 2'



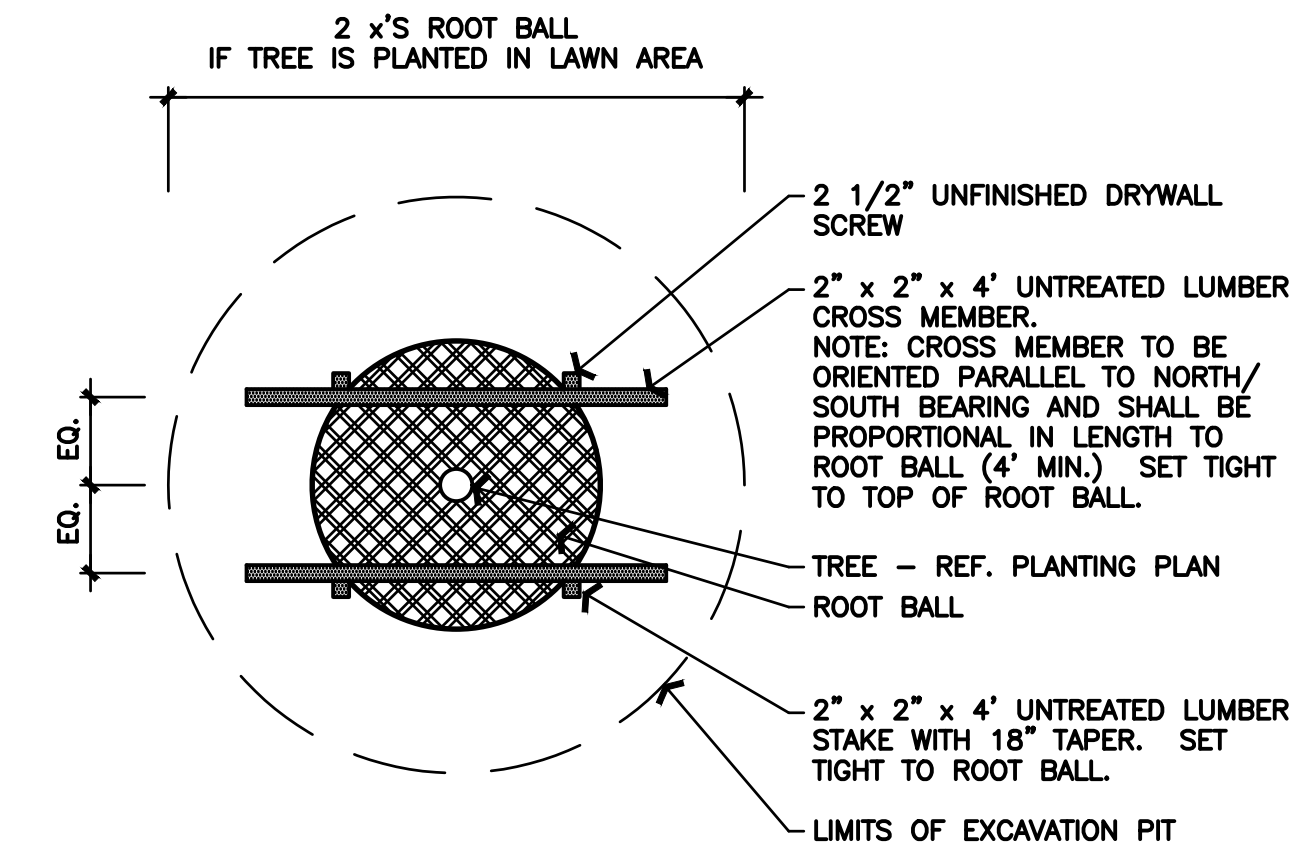
TREE PLANTING IN LAWN - SECTION

1/2" = 1'-0" 0 2'



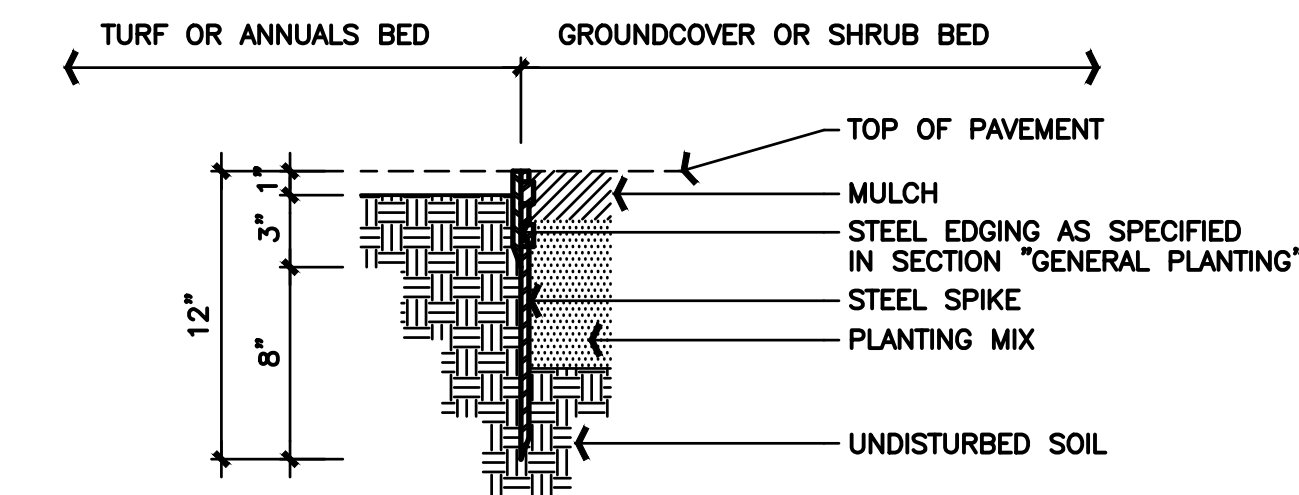
GROUNDCOVER PLANTING - SECTION

1 1/2" = 1'-0" 0 1'



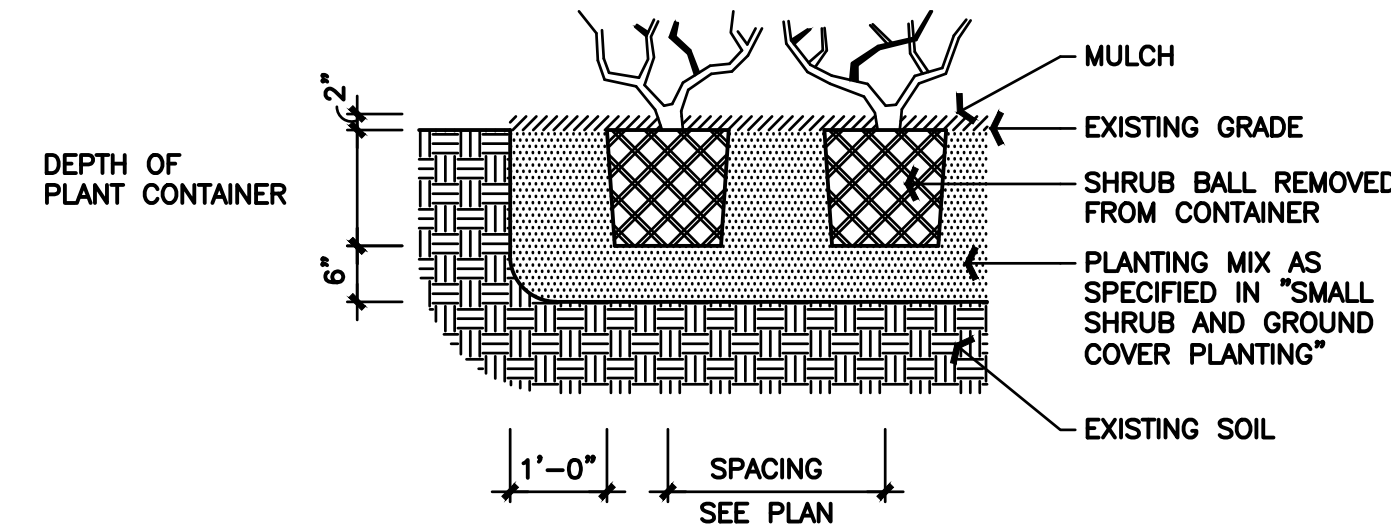
TYPICAL TREE STAKING - PLAN

1/2" = 1'-0" 0 2'



STEEL EDGING - SECTION

1 1/2" = 1'-0" 0 1'



SHRUB PLANTING - SECTION

1/2" = 1'-0" 0 2'

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END-20
LANDSCAPE PLAN

L-501

PLOT DATE: