



THIS MATRIX HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL PROVIDE ANY AND ALL APPARATUS, TRENCHING AND BACKFILL, AND OTHER INCIDENTALS TO MEET OR EXCEED THE SPECIFICATIONS OF THE ITEMS LISTED.

The RaceTrac logo is displayed in a large, stylized font. The word "RaceTrac" is written in a bold, italicized, sans-serif typeface. The letters are white with a thick blue outline. The logo is set against a red background that is part of a larger red rectangular frame with rounded corners and a white border.

GENERAL NOTES

THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING, HAVE BEEN MET BY THE OWNER/DEVELOPER/BUILDER. TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER, PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.

ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

AS-BUILT NOTE

CONTRACTOR SHALL PROVIDE THE NECESSARY SIGNED/SEALED AS-BUILT SURVEY(S) TO ENGINEER AS REQUIRED FOR FINAL APPROVAL BY THE LOCAL JURISDICTION AT LEAST 30 DAYS PRIOR TO PROJECT COMPLETION. AS-BUILT SURVEY(S) SHALL INCLUDE ALL RM ELEVATIONS, INVERTS, PIPE SIZES & MATERIALS, AND PIPE SLOPES FOR ALL STORM AND SANITARY SEWERS.

IN JURISDICTIONS WHERE AN AS-BUILT HYDROLOGY ANALYSIS OR STORMWATER "CERTIFICATION" IS REQUIRED BY THE ENGINEER OF RECORD, THE CONTRACTOR SHALL ALSO SUPPLY ALL NECESSARY DOCUMENTATION REQUIRED FOR THE ENGINEER TO DETERMINE UNDERGROUND POND(S), IF APPLICABLE, PROVIDE THE ADEQUATE STORAGE VOLUMES, SUCH AS DOCUMENTATION MAY INCLUDE, BUT NOT BE LIMITED TO, HYDROGRAPHS OF SYSTEM INSTALLATION, COMPACTION REPORTS UNDER AND ABOVE THE SYSTEM, DELIVERY TICKETS, SHOP DRAWINGS, ELEVATIONS OF STONE BEDDING (TOP AND BOTTOM), AS WELL AS THE HORIZONTAL LINES OF STONE.

24 HOUR CONTACT MR. TATE GODWIN 770.530.7401 RACETRAC, INC.	PRIMARY PERMITTEE RACETRAC, INC. 200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339 770.431.7600 CONTACT: MR. JUSTIN GIAMBALVO RGRAVEN@RACETRAC.COM
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SITE SUMMARY	
SITE AREA	
SITE AREA:	2.68 ACRES (116,771 S.F.)
IMPERVIOUS AREA:	96,685 S.F. (82.8%)
PERVIOUS AREA:	20,086 S.F. (17.2%)
ZONING CLASSIFICATION	
JURISDICTION:	RABUN COUNTY
ZONING:	HB (HIGHWAY BUSINESS)
ADJACENT ZONING:	HB
BUILDING SETBACKS	
FRONT:	40' (MAJOR ARTERY)
SIDE:	0'
REAR:	15'
BUILDING SUMMARY	
BUILDING AREA:	6,008 S.F.
BUILDING COVERAGE:	5.1%
PARKING SUMMARY	
PARKING REQ. 2 SPACES/PUMP + 3 SPACES/GREASE RACK (MIN.)	
12 PUMPS * 2 SPACES + 0 GREASE RACKS = 24 SPACES	
PARKING PROV.:	26 SPACES
STANDARD STALL DIMENSIONS:	10' x 18'
MIN. DRIVE WIDTH:	24'

CONTACT RACETRAC, INC. PROJECT MANAGER
PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY
RACETRAC, INC.

REVISIONS:[illegible]

THESE PLANS
ARE SUBJECT
TO FEDERAL
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ANY USE OF
SAME
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EXPRESSED
WRITTEN
PERMISSION
OF RACETRAC
INC. IS
PROHIBITED.

CLIENT

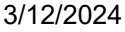


RACETRAC, INC.
 900 ATLANTA, GA 30339

PROJECT

RACETRAC - CLAYTON
 18 RADIO LANE
 LAND LOT 21, DISTRICT 5, PARCEL 043 012C
 CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:



CALL BEFORE YOU DIG



SCALE & NORTH ARROW

DESIGN INFO:

DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

10

SHEET NO.	REV.
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Drawing name: C:\Users\lndemon\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\00562 - RaceTrac - Clayton, GA (441 @ Private Drive)\CA\DC\CONSTR\00562 - 01 - GEN NOTES.dwg C-0.1 Mar 12, 2024 9:14am by: lndemon

GENERAL NOTES:

- It is the contractor's responsibility to become familiar with the permit and inspection requirements of the various governmental agencies. the contractor shall obtain all necessary permits prior to construction, and schedule inspection according to agency instruction.
- All work performed shall comply with the regulations and ordinances of the various governmental agencies having jurisdiction over the work, including landscaping.
- At least 3 working days prior to construction the contractor shall notify the owner, engineer and appropriate agencies and supply them with all required shop drawings, the contractor's name, starting date, projected schedule, and other information as required. Any work performed prior to notifying the owner & engineer of record or without agency inspector present may be subject to removal and replacement at the contractor's expense. Failure to obtain approval before installation may result in removal and replacement at the contractor's expense. Contractor shall submit for review to the owner's construction manager, shop drawings on all precast and manufactured items to use on this site. Construction manager's approval of a shop drawing does not relieve contractor's responsibility for performance of the item.
- Work performed under this contract shall interface smoothly with other work being performed on site by other contractors and utility companies. It is necessary for the contractor to coordinate and schedule his activities, where necessary, with other contractor's and utility companies.
- Materials and scntruction methods for streets and storm drainage construction shall be in accordance with the local regulatory agency.
- Contractor shall review soil reports and borings prior to bidding the project and commencing construction.
- The contractor shall use each plan in conjunction with the entire set of drawings and job specifications. Do not remove or demolish anything without verifying and coordination with all electrical, plumbing, mechanical, general trades, and utility companies as they effect the overall project.
- Refer to architectural drawings for building dimensions.

GENERAL DEMOLITION NOTES & SPECIFICATIONS:

- The contractor is responsible for all permits required to carry out the work as shown on the Demolition Plan.
- The contractor is responsible to verify existing utilities prior to demolition and excavation.
- The contractor is responsible to comply with all local, state and federal regulations in the removal/demolition of hazardous materials.
- Contractor is responsible for all registrations, permits and fees required to remove and properly dispose of all demolition materials.
- Demolition contractor is responsible for obtaining approvals and notifications to all local, state and federal authorities.
- The contractor shall be responsible for the disconnection of the utility services to the existing structures prior to demolition of any buildings. The contractor shall coordinate with respective utility companies prior to the removal and/or reloction of utilities.
- The contractor shall coordinate with the utility company concerning portions of work which may be performed by the utility company's forces and any fees which are to be paid to the utility company for their services. The contractor is not responsible for paying all fees and charges.
- The contractor is responsible for the demolition and removal of all structures, pods, walls, flumes, foundations, parking, drives, drainage structures, utilities, etc., such that the improvements shown on the remaining plans can be constructed. All facilities to be removed shall be undercut to suitable material and brought to grade with suitable, compact fill material per the specifications. The contractor is responsible for all permits involved and is responsible for removing and dumping the debris in an approved, lawful manner.
- All existing utilities are to be removed, terminated and capped at the right-of-way. All existing meters, valves, etc. are to be removed unless otherwise noted on the plans.
- All existing service lines for telephone, electric, sewer, and cable television services are to be removed to existing trunk lines unless otherwise noted on the plans.
- Contractor is responsible for all costs involved in the removal or relocation of any utility. The contractor is responsible for coordination with applicable utility companies.
- The contractor shall maintain all utility services to the existing adjacent businesses at all times. The contractor shall coordinate with the tenant and utility company for the relocation and/or removal of utilities if necessary. Services shall not be interrupted without approval from the tenant.
- The site may be occupied by existing structures, storm lines, pavement, power poles and utilities. It is the contractor's responsibility to contact all utility companies that may have utilities on the site to get a determination if any utilities existing will be impacted. The contractor is responsible for determining if the utilities should be abandoned or removed.
- All areas where pavement, structure slabs, foundations, utilities, conduits, and/or utility structures have been removed shall be backfilled with select backfill material. All select backfill material shall be placed and compacted per the requirements of specifications and the owners geotechnical engineer.
- All existing fences, signs, pwer poles, and light poles located on-site shall be demolished and removed unless otherwise noted.
- Existing cast in place septic tanks (if found on-site) shall be pumped by a licensed contractor. The septic tank shall then be removed and the area backfilled per the project specifications unless otherwise noted. All work shall be in accordance with health department requirements.
- Contractor is responsible for walking site and determining extents of demolition work prior to bid date.
- Existing manhole tops, valve boxes, etc. to remain are to be adjusted as required to match proposed grades. If necessary, re-adjustments shall be performed upon completion of paving and fine grading to ensure a smooth transition.
- Prior to any work on-site, the contractor shall contact the one call system. The contractor is responsible for all utility removals whether located by the one call system or not.
- Contractor shall coordinate removal of existing electrical services on-site with the power company. Power company is responsible for the disconnection and removal of existing services unless otherwise noted.
- Limits of pavement shown to be removed are approximate and for reference only. Contractor shall field verify the limits of pavement to determine the extent of the existing pavement to be removed.
- If not shown on the demolition drawings, the contractor shall remove all existing materials as necessary to complete all new work as required by other prtions of the contract documents.
- Salvage rights for all demolished materials shall be first given to the owner. Any materials not retained by the owner shall be removed from the site and disposed of by the contractor at the contractor's expense.
- Refer to survey for limits and boundary of property.

EROSION CONTROL NOTES:

- The contractor shall construct the silt fencing as shown on the Erosion Control Plan at the perimeter of the disturbed area prior to land clearing activities.
- Land distrubing activities shall be kept to a minimum and will not extend beyond the limits shown.
- Prior to construction, the erosion and sediment control measures shown on the Erosion Control Plan shall be in place. Clearing and grubbing operations will be engaged in only as necessary to allow the placement of erosion and sediment control measures as shown until all such measures are in place.
- Contractor shall install temporary construction entrance prior to any earthwork operations.
- Contractor shall maintain silt fences for the duration of the project until accepted by the owner at no expense to owner.
- Contractor shall maintain erosion control facilities during the entire construction period. Facilities are not to be removed until completion of the project and the site is stabilized.
- Silt fences shall be cleaned or replaced when trapped sediment reaches 50 percent of the above ground fence height or a lower height based on maufacturer's specifications.
- Sediment and erosion control measures will be inspected on a daily basis and repaired, adjusted and maintained as needed or required by governing agencies at no additional expense to the owner to provide erosion and sediment control for the duration of construction and until all disturbed areas are stabilized.
- Contractor shall inspect on a daily basis for needed removal of any accumulated silts, debris, or repair of damaged silt fence at no additional expense to owner.
- All erosion control measures except the required rip rap are temporary devices. These temporary devices shall be removed prior to completion of construction once stabilization of all grassed areas are complete.
- Additional devices may be required as deemed necessary by governing authorities.
- All graded areas shall be stabilized with a permanent fast growing cover and/or mulch upon completion of grading operations. Completion of grading operations does not mean at the end of the project. As soon as final grades are established in an unpaved area, the contractor shall stabilize with a temporary grass or permanent sod. If a temporary grass is applied, it will be the contractor's responsibility to apply a permanent seed or sod at the proper time of year.
- Fill slopes should be planted as soon as an area of the site is brought to final grade. Surface runoff shall be intercepted at the top of temporary and permanent slopes during construction so that water is not allowed to flow over the slope face.
- The general contractor and the grading contractor shall review there proposed grading sequence to insure that the least amount of land possible at any one time is disturbed with out permanent stabilization.
- Contractor shall be responsible to ensure compliance with the N.P.D.E.S. Stormwater requirements. This includes, but is not limited to, inspection requirements.
- Contractor is responsible for repairs or damage to any existing improvemtns during construction, such as, but not limited to, drainage, utilities, pavement, striping, curb, etc., and all repairs shall be equal to or better than existing conditions.

SITE PLAN NOTES:

- Boundary and topographic survey was prepared by Anytown Land Surveying, LLC dated xx/xx/xxxx.
- Contractor shall refer to plans by architect for exact locations and dimensions of vestibule, towers, slope paving, columns, door locations, sidewalks, exit porches, ramps, precise building dimensions, and exact building utility entrance locations.
- Contractor shall refer to plans by others for entry locations of all water, sewer service, electrical, and telephone service. Contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and assure proper depths are achieved as well as coordinating with the regulatory agency as to the location and tie-in locations and/or connections to their facilities.
- Contractor shall be responsible for all relocations, including but not limited to, all utilities, storm drainage, signs, traffic signals and poles, etc. as required for all site improvements. All work shall be in accordance with governing authorities specifications and shall be approved by such.
- Existing utility lines shown are approximate locations only. The contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be repoted to the owner or engineer prior to construction.
- See Cover Sheet for list of utility compaines and contact persons.
- All necessary permits and approvals from agencies governing the construction of this work shall be secured prior to beginning construction.
- The contractor is responsible for the protection of all areas indicated to remain undisturbed or to remain as buffers, all property corners, and coordination of a registered land surveyor to replace all pins eliminated or damaged during construction.
- Existing structures within constuction limits are to be abandoned, removed, or relocated per plans. All cost shall be included in base bid.
- Contractor is responsible for repairs or damage to any existing improvements during construction, such as but not limited to, drainage, utilities, pavement, striping, curb, etc, and all repairs shall be qual to or better than existing conditions.
- The contractor shall coordinate the installation of all underground utilities with his work. All underground utilities (water, sanitary sewer, storm sewer, electrical conduit, irrigation systems, and any other miscellaneous utilities) shall be in place prior to the placement of base course material, and the placement of any appriate soil stabilization technique.
- Contractor shall provide bollards for protection of all above ground utilities and appurtenances adjacent to drive areas.
- Contractor shall match existing pavement in grade and alignment.
- Construction shall comply with all governing codes and improvements shall be constructed to the same.
- All work shall be done in accordance with the plans and specifications.
- All work and material shall comply with all regulatory agency's regulations and codes and O.S.H.A. standards.

DIMENSION NOTES:

- All dimensions shown to building are to face of structural CMU.
- All curb dimensions are to the face of gutter of curb unless otherwise noted.

TANK NOTES:

TOP OF TANK ELEVATION= XXX'X'

CONTRACTOR SHALL MAINTAIN A MINIMUM GROUND COVER OF 3' OVER UNDERGROUND STORAGE TANKS.

GRADING PLAN NOTES:

- Topographic information was taken from a topographic survey by Anytown Land Surveying, LLC dated xx/xx/xxxx. If contractor does not accept the existing topography as shown on the plans, without exception, he shall have made, at his expense, a topographic survey by a registered land surveyor and submit it to the owner for review.
- Existing contours interval is shown at one foot (1').
- The contractor is specifically cautioned that the location and/or elevation of existing utilities (above and below ground) as shown on the these plans is based on record on either the various utility companies, visual observations at the site, existing surveys and/or where possible, measurements taken in the field. Racetrac Petroleum does not guarantee that existing utility locations area exact and the information is not to be relied on as being exact or complete. It shall be the responsibility of the contractor to determine the exact locations of existing utilities (above and below ground) before beginning any construction. The contractor must call the appropriate utility company at least forty-eight hours (48 hrs) before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
- It shall be the responsibility of the contractor to notify owner and/or engineer of any utility conficts with the proposed improvements shown on the plans.
- All cut or fill slopes shall be X:1 or flatter unless otherwise noted.
- Contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes, and all utilities prior to construction.
- Clearing and grubbing limits shall include all areas disturbed by grading operations. Contractor is responsible for the protection of all undisturbed areas, all property corners, and coordination of a registered land surveyor to replace all pins eliminated or damaged during construction.
- Existing drainage structures to remain are to be inspected and repaired as needed, and existing pipes to be cleaned out to remove all silts and debris.
- If any existing structures to remain are damaged during construction, it shall be the contractors responsibility to repair and/or replace the existing structure as necessary to return it to existing conditions or better.
- Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, drainage, utilities, pavement, striping, curbs, etc. and all repairs shall be equal to or better than existing conditions.
- All unsurfaced areas in disturbed by grading operations shall receive four inches (4") of topsoil, seed, much water, etc. Contractor shall grass disturbed areas in accordance with the landscape plan and City/County specifications until healthy stand of grass is obtained.
- Proposed spot elevations represent finished pavement or ground surface grade unless otherwise noted on drawings.
- Contractor shall trim, tack, and match existing pavement at locations where new pavement meets existing pavement.
- All grading operations shall be staked by a registered civil engineer or licensed land surveyor approved by the owner.
- Reference structural specifications and geotechnical report for building pad preparation and compaction.
- Contractor to review boring logs provided by RaceTrac.
- All storm pipe entering structures shall be grouted to assure connection at structure is watertight.
- All storm sewer manholes in paved ares shall be flush with pavement, and shall have traffic bearing ring and covers.
- Existing manhole tops, valve boxes, etc. to remain are to be adjusted as required to match proposed grades. If necessary, re-adjustments shall be performed upon completion of paving and fine grading to ensure a smooth transition.
- The contractor shall adhere to all terms and conditions as outlind in the General N.P.D.E.S. Permit for storm water discharge associated with construction activities.
- Contractor shall assure positive drainage away from building and for all natrual and paved areas.
- All retaining walls to be protected during backfill by contractor. This includes but is not limited to, providing and installing proper bracing during backfill being places adjacent to retaining walls.

STORM DRAINAGE NOTES:

- ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- REFERENCE DETAIL SHEETS FOR STORM WATER DETAILS.
- THE CONTRACTOR SHALL SUBMIT BUOYANCY CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, AND SEALED BY A REGISTERED ENGINEER, SHALL REPRESENT ACTUAL FIELD CONDITIONS, AND SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT UNDER ANY CONDITIONS. THE CONTRACTOR MAY ELECT TO PROVIDE A RESTRAINING SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

STRUCTURE TYPES:

- DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOTD REQUIREMENTS AS FOLLOWS:
 - AREA INLETS - CB-01 OR PC-01 (PIPE SIZE 36" AND SMALLER) ALL INLET FRAMES AND GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG # V-4863 OR EQUAL.
 - TRENCH DRAINS SHALL BE AQUADUCT, PROVIDED BY RACETRAC AND INSTALLED BY GENERAL CONTRACTOR.

SITE SPECIFIC NOTES:

- CONTRACTOR TO INCLUDE FOR ALL SECONDARY CONDUITS (CONDUIT ONLY) DEPICTED ON UTILITY PAGE IN BASE BID. INCLUDE FOR LENGTH UP POLE APPROX 30FT. WIRE IS ASSUMED TO BE BY UTILITY DEPARTMENT. SECONDARY WIRE WILL BE PROVIDED IN BID AS AN ALTERNATE PRICE IN L.F. AND HANDLED AS A CHANGE ORDER IF REQUIRED.
- CONTRACTOR TO INCLUDE TWO (2) 1" CONDUIT TO BOTH SIGN LOCATIONS.
 - ONE (1) 1" CONDUIT IS FOR ELECTRICAL.
 - ONE (1) 1" CONDUIT IS FOR COMMUNICATION.
 - CONTRACTOR IS RESPONSIBLE TO PROVIDE CAT 5 HOME-RUN BETWEEN PRICE SIGN AND FINAL DESTINATION INSIDE THE BUILDING. FINAL DESTINATION TO BE DETERMINED BY RACETRAC CONSTRUCTION MANAGER DURING CONSTRUCTION.
- CONTRACTOR TO SEE SHEET SD1 FOR AIR/VAC SERVICE STATION ELECTRICAL REQUIREMENTS.
 - CONTRACTOR TO PROVIDE SMALL CONCRETE UTILITY VAULTS FOR UTILITY JUNCTIONS. CONCRETE VAULT TO BE FLUSH WITH CONCRETE OR LANDSCAPING.
 - AIR/VAC SERVICE STATION ELECTRICAL CONDUITS TO BE 1".
 - INCLUDE A WEATHER PROOF JUNCTION BOX INSIDE OF THE CONCRETE VAULT. LEAVE THREE (3) PULL STRINGS INSIDE CONDUIT FOR FUTURE USE.

PAVING & STRIPING NOTES:

- Standard duty pavement areas shall be portland cement concrete. Details of the standard duty concrete pavement are provided on detail sheets.
- Area over tanks, dumpster pad, and the approach in front of the dumpster to be eight inches (8") thick 4000 PSI w/ fiber mesh and number five (#5) rebars placed eighteen inches (18") on center each way.
- Notify owner 3 days prior to pour of initial section of driveway paving. Racetrac representative to approve initial pour.
- Testing of materials required for the construction of the paving improvements shall be performed by an agency, approved by the owner, for testing materials. It shall be the contractor's responsibility to ensure, by the standard testing procedures, that the work constructed meets the requirements of the project specifications.
- All signs, pavement markings, and other traffic control devices shall conform to the "manual on uniform traffic control devices" latest edition.
- Traffic control shall be in accordance with the state dot standard specifications for roads and bridges. The contractor shall review all traffic control devices with dot prior to installation.
- Contractor shall furnish and install all pavement markings for parking stalls, handicapped parking symbols, and miscellaneous striping within parking lot and around building.
- See Irrigation Plan and MEP Plans prior to paving for location of proposed sleeving and conduits. Extra conduit shall be placed under driveways for future use.
- All handicap ramping, striping, and pavement markings shall conform to the americans with disabilities act of 1990.
- Contractor to submit a pouring plan to the construction manager prior to the beginning of any paving work.
- Contractor shall install slab construction joints at the end of a days pour. Slab contraction and slab construction joints are to be installed in accordance with the concrete specifications as shown on the RaceTrac Standard Details, sheets SD3 and SD4.
- Paving contractor to coordinate with building contractor on the construction and paving near the screening walls and the dumpster pads.
- All discrepancies found by contractor related to underground utilities or other appurtenances shall be resolved to the satisfaction of owner and engineer prior to placement of any paving. Contractor to ensure positive drainage from the proposed buildings and no ponding in subgrade of areas to be paved, and notify owner and engineer if any discrepancies are found prior to installation of any paving.
- Existing manhole tops, valve boxes, etc. to remain are to be adjusted as required to match proposed grades. If necessary, re-adjustments shall be performed upon completion of paving and fine grading to ensure a smooth transition.
- All joints shall extend through the curb.
- Compaction shall be done in accordance with the recommendations of the geotechnical report.
- All pavement to be sloped for positive drainage.

UTILITY NOTES:

- The contractor is specifically cautioned that the location and/or elevation of existing utilities (above and below ground) as shown on the these plans is based on record on either the various utility companies, visual observations at the site, existing surveys and/or where possible, measurements taken in the field. Racetrac Petroleum does not guarantee that existing utility locations area exact and the information is not to be relied on as being exact or complete. It shall be the responsibility of the contractor to determine the exact locations of existing utilities (above and below ground) before beginning any construction. The contractor must call the appropriate utility company at least forty-eight hours (48 hrs) before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
- Contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes, and all utilities prior to construction. Existing utility lines shown are approximate locations only. The contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be reported to the owner and engineer of record prior to construction.
- Contractor to remove or relocate when applicable, all existing buildings, foundations, easements, and connecting improvements, drain pipes, sanitary sewer pipe, power poles and guy wires, water meters and water lines, wells, sidewalks, sign poles, underground gas, septic tanks, and asphalt, shown and not shown, within construction limits and where needed, to allow for fill material, unless otherwise denoted, to be removed as unclassified excavation.
- Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, utilities, pavement, striping, curbs, etc. Repairs shall be equal to or better than existing conditions.
- Contractor shall refer to architects plans and specifications for actual location of all utility entrances to include sanitary sewer laterals, domestic and fire protection water service, electrical, and telephone. Contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and assure proper depths are achieved as well as coordinating with city utility requirements as to locations and scheduling for tie-ins/connections prior to connecting existing facilities.
- Contractor shall coordinate with architectural plans, power company, & telephone company for actual routing of power and telephone service to building.
- See detail sheets for backfilling and compaction requirements on utility trenches.
- Contractor shall comply to the fullest extent with the latest standard of osha directives or any other agency having jurisdiction for excavation and trenching procedures. The contractor shall use support systems, sloping, benching, and other means of protection. This to include but not limited to, access and egress from all excavation and trenching. The contractor is responsible for complying with the performance criteria for OSHA.
- Contractor shall coordinate with other utilities to assure proper depth and prevent any conflict of utilities.
- The minimum horizontal separation between the closest two points of the water and sewer line is ten (10) feet, or minimum vertical separation between the closest two points of the water and sewer line is eighteen (18) inches.
- Contractor shall grout around all pipe entrances to sanitary sewer manholes with non-shrinking grout to assure connection is water tight.
- Contractor shall on all utilities, coordinate inspection with the appropriate authorities prior to covering trenches at installation.
- The contractor shall conduct all required tests to the satisfaction of the respective utility companies and owners inspecting authorities.
- Site contractor to coordinate proposed reconnection of all utilities with Architectural Plans as well as utility companies and building contractor. The general contractor is responsible for any and all expenses that result from delayed or failed test during any phase of the construction process. This includes fees incurred through rescheduling of any racetrac vendors or equipment to accommodate.
- All water and sanitary sewer crossings to be perpendicular with a full stick of ductile iron pipe in the sewer lines at the crossing.
- Contractor to coordinate with signage contractor and architect for exact location of signage, required electrical conduits, foundations, etc.
- See cover sheet for list of utility companies and contact persons.
- Contractor shall provide bollards for protection of all above ground utilities and appurtenances adjacent to drive areas.

PREPARED IN THE OFFICE OF:



© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE - 678.546.8100
FAX - 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:

NO.	DATE	DESCRIPTION	BY
1	10/19/23	JWB	TKS
2	12/12/23	JWB	TKS
3	01/18/24	JWB	TKS
4	03/12/24	TAA	TKS

THESE PLANS ARE SUBJECT TO FEDERAL RIGHT-OF-WAY LAWS. ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF RACETRAC IS PROHIBITED.

CLIENT
RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 15, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:



3/12/2024

CALL BEFORE YOU DIG



Know what's below.
Callbefore you dig.

SCALE & NORTH ARROW:

DESIGN INFO:

DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

GENERAL NOTES

C-0.1	
SHEET NO.	REV.

CONTACT RACETRAC, INC. PROJECT MANAGER PRIOR TO ANY REVISIONS TO THE PLAN SUPPLIED BY RACETRAC PETROLEUM, INC.

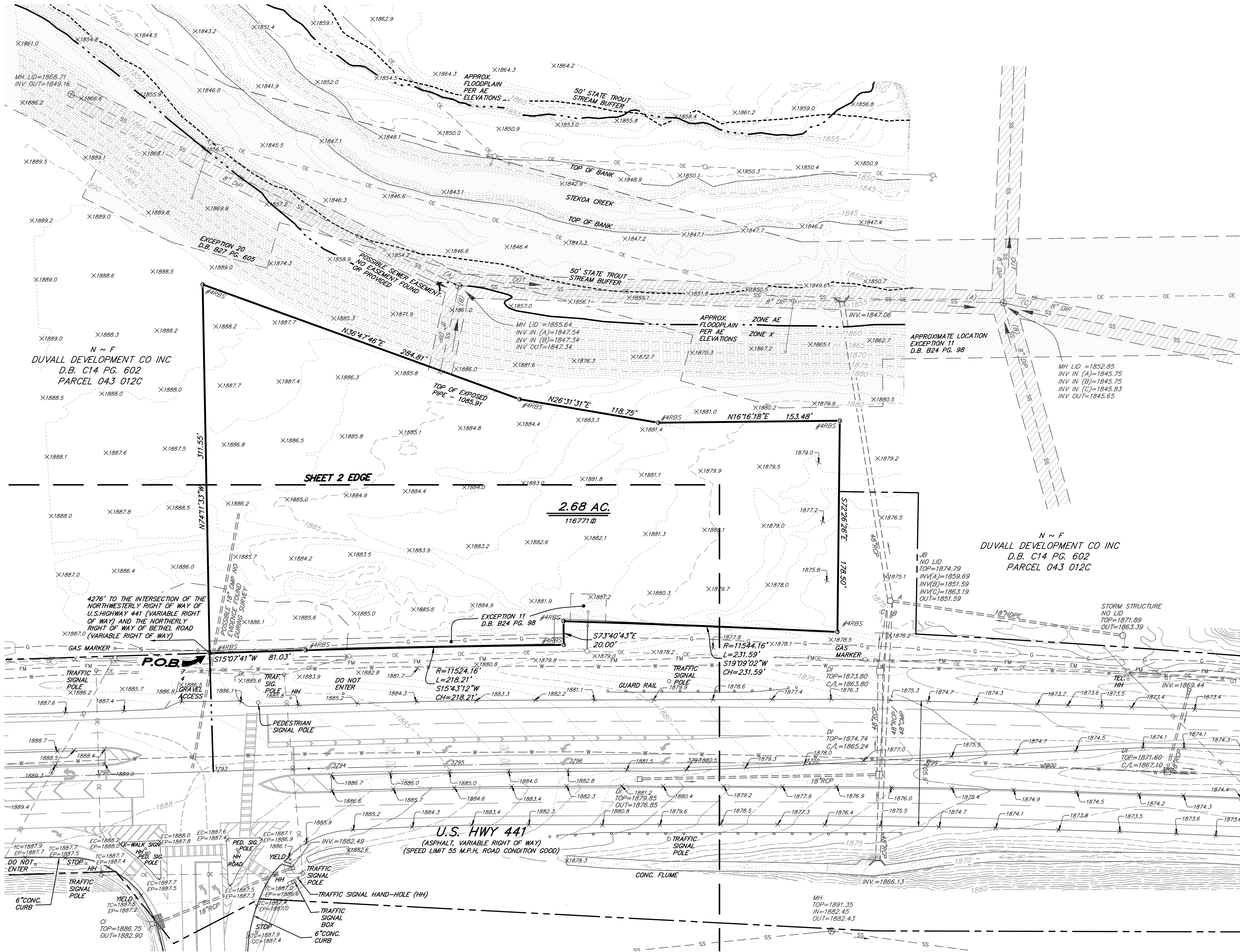
Drawing name: P:\L101 (LECRAW)\100562 - Racetrac - Rabun, County\Surveying\Plat\RACETRAC.RABUN CO REV 012424.dwg PAGE: Jan 26, 2024, 10:08am by: cmrler

CLERK OF THE SUPERIOR COURT
RECORDING INFORMATION

GPS NOTES:

1.) HORIZONTAL DATUM IS NAD 83. VERTICAL
DATUM IS NAVD 88.

2.) THE NORTHING, EASTING, AND ELEVATION OF
THE STARTING POINTS FOR THIS SURVEY WERE
OBTAINED UTILIZING A TRIMBLE S800 GPS
RECEIVER WITH A TRIMBLE 1502 DATA COLLECTOR
RECEIVING RTK CORRECTIONS VIA A CELL PHONE
FROM THE EGPS SOLUTIONS REAL TIME NETWORK.
THE TECHNIQUE USED WAS RTK CORRECTED
MEASUREMENTS FROM THE TRIMBLE VRS REAL TIME
NETWORK OPERATED BY EGPS SOLUTIONS, INC. THE
RELATIVE POSITIONAL ACCURACY OBTAINED ON THE
POINTS UTILIZED IN THIS SURVEY WERE 0.04 FT.
HORIZONTAL AND 0.07 FT. VERTICAL AT THE 95%
CONFIDENCE LEVEL.



ALTA TABLE A ITEM NOTES:

- ITEM 1 - #4 REBARS SET AT ALL CORNERS UNLESS OTHERWISE NOTED.
ITEM 2 - ADDRESSES SHOWN AS PER RABUN COUNTY GIS.
ITEM 3 - SEE FLOOD NOTE.
ITEM 4 - GROSS LAND AREA IS 2.68 ACRES.
ITEM 5 - VERTICAL RELIEF SHOWN GRAPHICALLY WITH 1' CONTOURS; VERTICAL DATUM - SEE GPS NOTE.
ITEM 6(a) - NO ZONING REPORT OR LETTER PROVIDED. CURRENTLY ZONED AS HIGHWAY BUSINESS (HB) PER PUBLIC ONLINE GIS MAP AS OF 1/16/2023.
ITEM 7(a) - NO BUILDINGS ON SITE, DOES NOT APPLY.
ITEM 8 - ALL SUBSTANTIAL FEATURES OBSERVED WHILE CONDUCTING FIELD WORK ARE SHOWN.
ITEM 9 - SUBJECT PROPERTY CONTAINS NO PARKING SPACES.
ITEM 10(a) - NO WALLS ON SITE, DOES NOT APPLY.
ITEM 10(b) - NO WALLS ON SITE, DOES NOT APPLY.
ITEM 11(a) - SITE UTILITIES SHOWN ARE BASED ON ABOVE GROUND VISIBLE EVIDENCE AND UNDERGROUND UTILITIES MARKED BY PAINT OR FLAGS BY UTILISURVEY, LLC, AND FIELD LOCATED BY GASKINS+LECRAW. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE IN NATURE.
ITEM 13 - NAMES OF ADJOINING TRACTS HAVE BEEN SHOWN GRAPHICALLY.
ITEM 14 - SITE IS LOCATED APPROXIMATELY +/- 861 FEET FROM THE INTERSECTION OF U.S. HIGHWAY 441 AND RADIO LN.
ITEM 16 - THERE WAS NO OBSERVED EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS AT THE TIME OF SURVEY.
ITEM 17 - THERE IS NO PROPOSED CHANGES TO THE RIGHT OF WAY.
ITEM 18 - NO OFFSITE EASEMENTS PROVIDED.

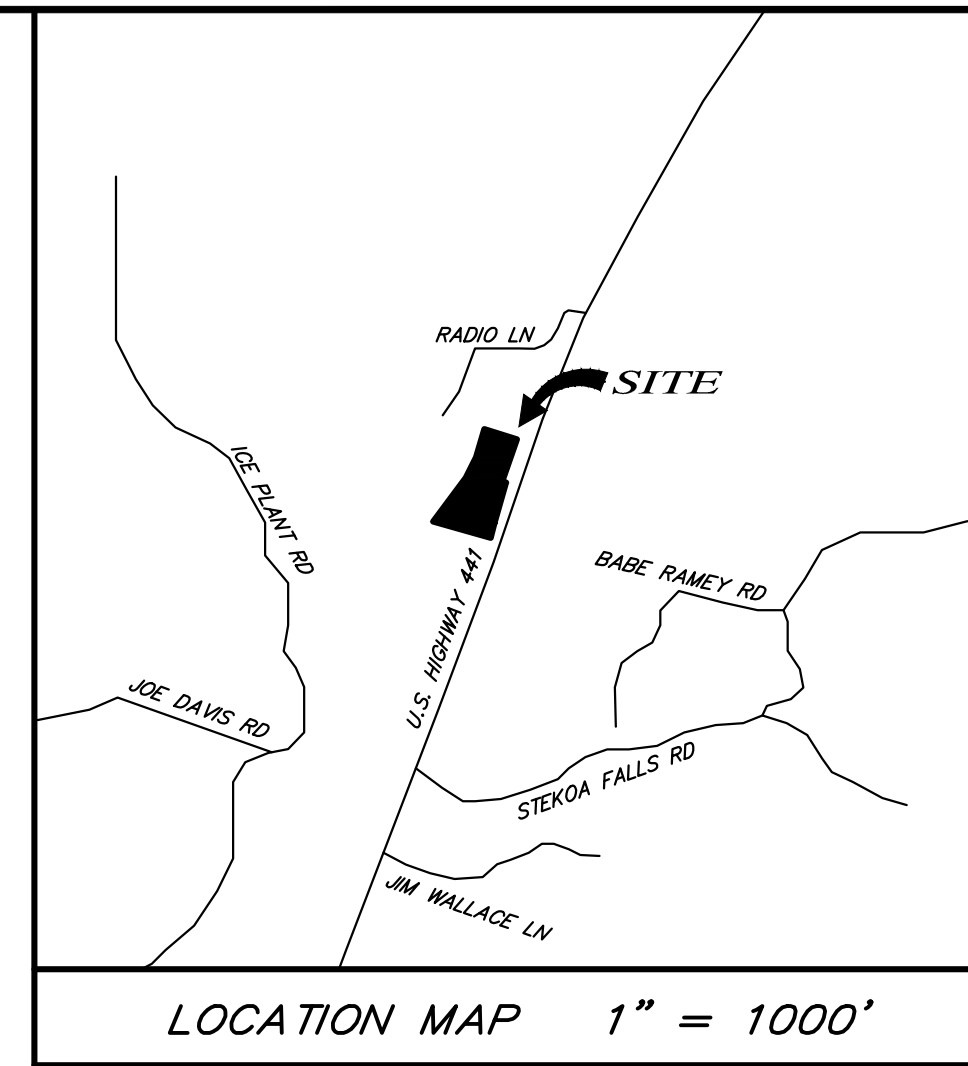
THE UNDERGROUND UTILITIES (EXCEPT THE LOCATION OF EXISTING DRAINAGE, SEWER AND IRRIGATION UTILITIES) ARE LOCATED UTILIZING RADIO FREQUENCY TECHNIQUE. THIS TECHNIQUE IS CAPABLE OF LOCATING METALLIC UTILITIES AND TRACER WIRES. ANY NON-METALLIC UTILITIES (WITHOUT TRACER WIRE) WILL NOT BE LOCATED.

THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED UTILIZING THIS TECHNIQUE MAY EXIST ON THIS SITE BUT NOT BE SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

INFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS

THIS PARCEL OF LAND IS NOT IN THE 100 YEAR FLOOD PLAIN AND IS IN ZONE X. ACCORDING TO F.E.M.A. (F.I.A.) COMMUNITY NUMBER # 130156, MAP NUMBER # 13241C0226D DATED SEPTEMBER 17, 2010.

THIS PLAT IS PREPARED FROM A FIELD SURVEY USING A FIVE SECOND DIGITAL THEODOLITE AND ELECTRONIC DISTANCE METER; LINEAR PRECISION OF TRAVERSE: 1/81,238; ANGULAR ERROR: 1" PER POINT, THE TRAVERSE WAS ADJUSTED USING THE COMPASS RULE. LINEAR PRECISION OF THIS PLAT: 1/431,872. MATTERS OF TITLE ARE EXCEPTED.



LEGEND	
	P.P. - POWER POLE
	L.P. - LIGHT POLE
	F.H. - FIRE HYDRANT
	M.H. - SANITARY SEWER MANHOLE
	W.M. - WATER METER
	G.M. - GAS METER
	RBS - REINFORCING BAR SET
	RBF - REINFORCING BAR FOUND
	CTF - CRIMP TOP PIPE FOUND
	OTF - OPEN TOP PIPE FOUND
	R/W MON - RIGHT-OF-WAY MONUMENT
	TYPE OF FENCE
	J.B. - JUNCTION BOX
	D.I. - DROP INLET / YARD INLET
	C.B. - CATCH BASIN
	R.C.P. - REINFORCED CONCRETE PIPE
	C.M.P. - CORRUGATED METAL PIPE
	F.F.E. - FINISHED FLOOR ELEVATION
	WATER VALVE
	S.C.O. - SEWER CLEAN OUT
	TELEPHONE MANHOLE
	OVERHEAD POWER LINES
	H.W. - HEADWALL
	P.B.X. - POWERBOX
	STREET ADDRESS
	WATER LINE
	UNDERGROUND TELEPHONE LINE
	GAS LINE
	UNDERGROUND ELECTRICAL LINE

ZONING INFORMATION

ZONED AS HIGHWAY BUSINESS (HB) PER PUBLIC

MINIMUM LIMITATIONS:

WIDTH:
FRONT SETBACK MAJOR ARTERY: 100 FT.
FRONT SETBACK MINOR ARTERY: 40 FT.
FRONT SETBACK OTHER STREET: 35 FT.
SIDE YARD: 25 FT.
REAR YARD: 10 FT.
REAR YARD: 15 FT.

SURVEYOR REFERENCES:

D.B. C14, PG. 602
P.B. 10, PG. 208
P.B. 26, PG. 76
DOT RIGHT OF WAY PLANS PROJECT ID H00936.3

CURRENT OWNER:
DUVALL DEVELOPMENT CO INC
D.B. C14, PG. 602

SURVEYOR'S CERTIFICATION

TO RACETRAC INC., A GEORGIA CORPORATION & FIDELITY NATIONAL TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARDS DETAIL REQUIREMENTS FOR ALTANSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(A), 7(A), 8, 9, 10(A), 10(B), 11(B), 12, 13, 14, 16, 17, 18 AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 01/16/2023.

AS REQUIRED BY SUBSECTION (d) OF O.G.C.A. SECTION 15-8-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR. THIS PLAT HAS BEEN APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS THAT REQUIRE PRIOR APPROVAL FOR RECORDING THIS TYPE OF PLAT OR ONE OR MORE OF THE APPLICABLE LOCAL JURISDICTIONS DO NOT REQUIRE APPROVAL OF THIS TYPE OF PLAT.

FOR ANY APPLICABLE LOCAL JURISDICTION THAT REQUIRES APPROVAL OF THIS TYPE OF PLAT, THE NAMES OF THE INDIVIDUALS SIGNING OR APPROVING THIS PLAT, THE AGENCY OR OFFICE OF THAT INDIVIDUAL, AND THE DATE OF APPROVAL ARE LISTED IN THE APPROVAL TABLE SHOWN HEREON. SUCH APPROVALS, AFFIRMATIONS, OR ORDINANCE OR RESOLUTION NUMBERS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. 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 15-8-67.

DEAN C. OLSON
GEORGIA REGISTERED LAND SURVEYOR NO 2806

DATE: 01/25/2024

AS SURVEYOR FOR
GASKINS + LECRAW, INC.

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW
© 2024 GASKINS + LECRAW, INC.
1266 POWDER SPRINGS RD SW
MARIETTA, GA 30064
PHONE - 770.424.7168
FAX - 770.424.7593
www.gaskinsleccraw.com
LSF001371

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	01/25/24	CM	REVISED POINT OF BEGINNING
2	01/25/24	CM	ADJUSTED LOCATION FOR DESIGN DATA
3	01/25/24	CM	EDITS MADE IN CREDIT & TURN OFF SPOT ELEVATIONS

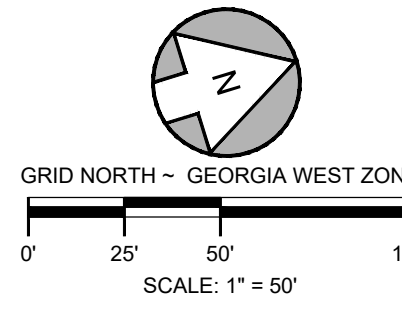
ALTANSPS LAND TITLE SURVEY FOR:
RACETRAC INC., A GEORGIA CORPORATION
FIDELITY NATIONAL TITLE INSURANCE COMPANY

PROJECT:
18 RADIO LN
LAND LOT 21, 5TH DISTRICT,
RABUN COUNTY, GEORGIA

CALL BEFORE YOU DIG



SCALE & NORTH ARROW:



SURVEY INFO:

DRAWN BY: CAM
REVIEWED BY: DCO
FIELD DATE: 01/09/2023
OFFICE DATE: 01/17/2023
JOB #: 005062

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UNDERGROUND UTILITIES, AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES SHOWN AS WELL AS THOSE NOT SHOWN WITHIN THE CONSTRUCTION LIMITS. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL DEMOLITION NOTES

- 1) CONTRACTOR TO ENSURE ALL APPROPRIATE EROSION CONTROL MEASURES, INCLUDING TREE PROTECTION FENCING, ARE IN PLACE PRIOR TO ANY DEMOLITION ACTIVITY TAKING PLACE.
- 2) CONTRACTOR TO ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS CONCERNING THE REMOVAL, DEMOLITION, AND/OR DISPOSAL OF POSSIBLE HARMFUL MATERIALS INCLUDING LEAD PAINT, ASBESTOS, ETC. DURING ALL PHASES OF CONSTRUCTION.
- 3) CONTRACTOR TO SAW CUT EXISTING PAVEMENT FULL DEPTH AT EDGE OF DEMOLITION LIMITS.
- 4) ALL ITEMS NOTED FOR REMOVAL/DEMOLITION SHALL BE REMOVED FROM THE SITE OR DISPOSED OF IN A LEGAL MANNER.
- 5) BOUNDARY & TOPOGRAPHIC SURVEY BY GASKINS + LECRAW, DATED 04/13/2023. BENCHMARK IS NOTED ON SURVEY.
- 6) FLOOD PLAIN IS NOT PRESENT ON THIS SITE AS SHOWN ON THE FEMA FIRM MAP NUMBER 13241C0256D, DATED 09/17/2010.
- 7) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.

LEGEND

- DEMOLISH EXISTING STRUCTURES
- DEMOLISH EXISTING PAVEMENT/GRAVEL
- DEMOLISH EXISTING UTILITIES
- DEMOLISH EXISTING CURB/GUTTER
- DEMOLISH EXISTING TREE

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW
© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE - 678.546.8100
FAX - 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:

REV #	DATE	CHKD BY	DATE	CHKD BY	DESCRIPTION
1	10/19/23	JJB			GSWCC COMMENTS
2	12/12/23	JJB			RABIN COUNTY COMMENTS
3	01/18/24	JJB			DRAINAGE REVISION
4	03/11/24	TAA			BID SET

THESE PLANS ARE SUBJECT TO FEDERAL RIGHT OF WAY LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

RaceTrac

RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

SEAL:

PRELIMINARY
KYLE SHAW
REGISTERED PROFESSIONAL ENGINEER
No. 11157
3/12/2024

CALL BEFORE YOU DIG

811
Know what's below.
Call before you dig.

SCALE & NORTH ARROW:

NORTH ARROW
SCALE: 1" = 30'

DESIGN INFO:

DRAWN BY: JJB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024
DEMOLITION PLAN
D-1.0
SHEET NO. REV.



[illegible]

Drawing name: C:\Users\randerson\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\005062 - ESCP Plan - Clayton, GA (441) @ Private Drive\CAADD\CONSTR\005062 - 03 - ESCP.dwg ES-2.0 Mar 12, 2024 9:15am by: randerson

NOTE

CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCE AND TIMING OF ALL EROSION AND SEDIMENT CONTROL MEASURES. PHASING PLANS ARE ONLY A GENERAL GUIDE TO EROSION AND SEDIMENT CONTROL REQUIREMENTS AS DEVELOPMENT OCCURS.

GENERAL EROSION CONTROL NOTES

- 1.) ALL BEST MANAGEMENT PRACTICES ARE TO BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION EROSION AND SEDIMENT CONTROL STANDARDS.
- 2.) BOUNDARY & TOPOGRAPHIC SURVEY BY GASKINS + LECRAW, DATED 04/13/2023. BENCHMARK IS NOTED ON SURVEY.
- 3.) SOIL TYPES FOR ENTIRE DISTURBED AREA IS TR & SAE PER NRCS WEB SOIL SURVEY.
- 4.) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
- 5.) EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES 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. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- 6.) SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, AS REQUIRED, INDICATING THE 1/3 FULL VOLUME.
- 7.) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 8.) WASHOUT OF CONCRETE DRUM AT CONSTRUCTION SITE IS PROHIBITED AND NOT ALLOWED IN WASH AREAS.

TOTAL SITE AREA = 2.68 ACRES
TOTAL DISTURBED AREA = 4.50 ACRES
PHASE I DISTURBED AREA = 0.50 ACRES

CERTIFICATION STATEMENT

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

I CERTIFY UNDER PENALTY OF THE LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

UPON THE INSTALLATION OF THE PHASE 1 EROSION CONTROL MEASURES, I WILL VISIT THE SITE TO PERFORM THE INSPECTION CERTIFICATION WITHIN 7 DAYS, ONCE NOTIFIED BY THE CONTRACTOR.

GEORGIA LICENSED PROFESSIONAL (SIGN) DATE 3/12/24

TIMOTHY KYLE SHARPE
GEORGIA LICENSED PROFESSIONAL (PRINT)

036681

GEORGIA PE#

0000065749

GEORGIA EROSION CONTROL LEVEL 2 CERTIFICATION 3

ADDITIONAL BMP'S

1. DUE TO THE SITE BEING LOCATED WITHIN 1 MILE OF IMPAIRED STREAM CALLED STEKOA CREEK, THE FOLLOWING ADDITIONAL BMP'S MUST BE PROVIDED:

PLACE A LARGE SIGN (MINIMUM 4'x8') ON THE SITE VISIBLE FROM THE ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITTEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S).

USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THE NPDES PERMITS.

CONDUCT TURBIDITY AND TOTAL SUSPENDED SOLIDS (TSS) SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.D OF THE NPDES PERMITS.

APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

SOIL SERIES

Tr: TRANSYLVANIA-TOXAWAY COMPLEX
SAE: SALUDA ASSOCIATION



TIMOTHY KYLE SHARPE

Level II Certified Design Professional

CERTIFICATION NUMBER 0000065749

ISSUED: 02/17/2021 EXPIRES: 02/17/2024

EROSION CONTROL LEGEND

CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)	Ds4
Ss	SLOPE STABILIZATION EROSION CONTROL MATTING AND BLANKETS	Ss	Sd1-S	SEDIMENT BARRIER (TYPE C SILT FENCE)	Sd1-S
Sd2-F	TEMPORARY INLET SEDIMENT TRAP (FILTER FABRIC WITH SUPPORTING FRAME)	Sd2-F	Sd2-E	TEMPORARY INLET SEDIMENT TRAP (EXCAVATED INLET SEDIMENT TRAP)	Sd2-E
Co	CONSTRUCTION EXIT	Co	Sd2-P	TEMPORARY INLET SEDIMENT TRAP (CURB INLET PROTECTION)	Sd2-P
Di	DIVERSION	Di	St	STORM DRAIN OUTLET PROTECTION	St
Fr	FILTER RING	Fr	Tf	TREE PROTECTION FENCE	Tf
Du	DUST CONTROL ON DISTURBED AREAS	Du		LIMITS OF DISTURBANCE	

NOTE TO CONTRACTOR:

ALL PROPOSED WORK WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441 SHOWN HERON IS FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER TO PLANS BY A&R FOR GUIDANCE ON ALL WORK PROPOSED WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441.

NOTE TO CONTRACTOR:

ALL PROPOSED WORK WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441 SHOWN HERON IS FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER TO PLANS BY A&R FOR GUIDANCE ON ALL WORK PROPOSED WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441.

PRIMARY PERMITTEE

RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900
ATLANTA, GA 30339
770 431 7600
CONTACT: MR. JUSTIN GIAMBALVO
RCRAVEN@RACETRAC.COM

24 HOUR CONTACT

MR. TATE GODWIN
770 530 1401
RACETRAC, INC.

Sd4 - TEMPORARY SEDIMENT TRAP NO. 1					
Drainage Area	135087	SF =	3.10	AC	
Req. Sediment Storage	5610	CF	(DA x 67 cy/ac x 27 cft/cy)		
Side Slope = 2:1 max	2:1				
Top of embankment =	1876	FT			
Bottom of excavation =	1872	FT			
Spillway invert elevation =	1875.5	FT			
Excavation Depth =	4.0	FT			
Storage Depth =	3.5	FT			
Req. Surface Area =	1603	SF	Volume / Depth		
Sed. Trap dimensions:	L = 29	FT	W = 58	FT	
Provided Area =	1682	SF			
Provided Storage =	5887	CF			
Cleanout Volume =	1962	CF	(2.32 FT)		01/12/2022

Sd2-EX No. 1 - EXCAVATED INLET SEDIMENT TRAP			
Drainage Area =		16,879	SF = 0.39 AC
Req. Sediment Storage =	701	CF	(DA x 67 cy/ac x 27 cft/cy)
Side Slope = 2:1			
Excavation Depth =	3.0	FT	
Req. Surface Area =	234	SF	
Sed. Trap dimensions:	W = 11	FT	L = 22 FT
Provided Area =	242	SF	
Provided Storage =	726	CF	

Sd1 #1 - SEDIMENT STORAGE CALCULATION			
SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE			
0.27' * (100 FT / 0.25 AC) =	110	REQUIRED SILT FENCE	
SILT FENCE PROVIDED =	505	LF	

Sd1 #2 - SEDIMENT STORAGE CALCULATION			
SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE			
0.92' * (100 FT / 0.25 AC) =	369	REQUIRED SILT FENCE	
SILT FENCE PROVIDED =	472	LF	

Sd1 #3 - SEDIMENT STORAGE CALCULATION			
SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE			
0.31' * (100 FT / 0.25 AC) =	122	REQUIRED SILT FENCE	
SILT FENCE PROVIDED =	158	LF	

Sd1 #4 - SEDIMENT STORAGE CALCULATION			
SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE			
0.13' * (100 FT / 0.25 AC) =	51	REQUIRED SILT FENCE	
SILT FENCE PROVIDED =	246	LF	

Sd1 #5 - SEDIMENT STORAGE CALCULATION			
SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE			
0.45' * (100 FT / 0.25 AC) =	181	REQUIRED SILT FENCE	
SILT FENCE PROVIDED =	285	LF	

PREPARED IN THE OFFICE OF:



© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinsleccraw.com
P-2646

REVISIONS:

REV #	DATE	DESCRIPTION	BY	CHECKED
1	10/19/23	JUB	TKS	
2	12/12/23	JUB	TKS	
3	01/18/24	JUB	TKS	
4	03/12/24	TAA	TKS	

THESE PLANS ARE SUBJECT TO FEDERAL AND STATE LAWS. ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

CLIENT
RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RACETRAC LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:



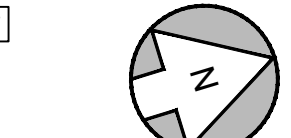
3/12/2024

CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



DESIGN INFO:

DRAWN BY:	JUB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

ESCP PLAN - PHASE I

ES-2.0

SHEET NO. REV.

Drawing name: C:\Users\landerson\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\00562 - RaceTrac - Clayton, GA (441 @ Private Drive)\CADD\CONSTR\00562 - 03 - ESPP.dwg ES-2.1 Mar 12, 2024 9:15am by landerson

NOTE
CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCE AND TIMING OF ALL EROSION AND SEDIMENT CONTROL MEASURES. PHASING PLANS ARE ONLY A GENERAL GUIDE TO EROSION AND SEDIMENT CONTROL REQUIREMENTS AS DEVELOPMENT OCCURS.

24 HOUR CONTACT
MR. TATE GODWIN
770.530.7601
RACETRAC, INC.

PRIMARY PERMITTEE
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900
ATLANTA, GA 30339
770.431.7600
CONTACT: MR. JUSTIN GIAMBALVO
RCRAVEN@RACETRAC.COM

GENERAL EROSION CONTROL NOTES

- 1.) ALL BEST MANAGEMENT PRACTICES ARE TO BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION EROSION AND SEDIMENT CONTROL STANDARDS.
- 2.) BOUNDARY & TOPOGRAPHIC SURVEY BY GASKINS + LECRAW, DATED 04/13/2023. BENCHMARK IS NOTED ON SURVEY.
- 3.) SOIL TYPES FOR ENTIRE DISTURBED AREA IS TR & SAE PER NRCS WEB SOIL SURVEY.
- 4.) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
- 5.) EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES 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. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- 6.) SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, AS REQUIRED, INDICATING THE 1/3 FULL VOLUME.
- 7.) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 8.) WASHOUT OF CONCRETE DRUM AT CONSTRUCTION SITE IS PROHIBITED AND NOT ALLOWED IN WASH AREAS.

TOTAL SITE AREA = 2.68 ACRES
TOTAL DISTURBED AREA = 4.50 ACRES
PHASE II DISTURBED AREA = 4.50 ACRES

CERTIFICATION STATEMENT

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

I CERTIFY UNDER PENALTY OF THE LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

UPON THE INSTALLATION OF THE PHASE 1 EROSION CONTROL MEASURES, I WILL VISIT THE SITE TO PERFORM THE INSPECTION CERTIFICATION WITHIN 7 DAYS, ONCE NOTIFIED BY THE CONTRACTOR.

GEORGIA LICENSED PROFESSIONAL (SIGN) _____ DATE 3/12/24
TIMOTHY KYLE SHARPE
GEORGIA LICENSED PROFESSIONAL (PRINT)

036681
GEORGIA PE#
0000065749
GEORGIA EROSION CONTROL LEVEL 2 CERTIFICATION 3

ADDITIONAL BMP'S

1. DUE TO THE SITE BEING LOCATED WITHIN 1 MILE OF IMPAIRED STREAM CALLED STEKOA CREEK, THE FOLLOWING ADDITIONAL BMP'S MUST BE PROVIDED:

PLACE A LARGE SIGN (MINIMUM 4'x8') ON THE SITE VISIBLE FROM THE ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITTEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S).

USE ANONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THE NPDES PERMITS.

CONDUCT TURBIDITY AND TOTAL SUSPENDED SOLIDS (TSS) SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.D OF THE NPDES PERMITS.

APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

SOIL SERIES

Tr: TRANSYLVANIA-TOXAWAY COMPLEX
SAE: SALUDA ASSOCIATION

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

2

TIMOTHY KYLE SHARPE
Level II Certified Design Professional

CERTIFICATION NUMBER 0000065749

ISSUED: 02/17/2021 EXPIRES: 02/17/2024

EROSION CONTROL LEGEND					
CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)	Ds4
Ss	SLOPE STABILIZATION EROSION CONTROL MATTING AND BLANKETS	Ss	Sd1-S	SEDIMENT BARRIER (TYPE C SILT FENCE)	Sd1-S
Sd2-F	TEMPORARY INLET SEDIMENT TRAP (FILTER FABRIC WITH SUPPORTING FRAME)	Sd2-F	Sd2-E	TEMPORARY INLET SEDIMENT TRAP (EXCAVATED INLET SEDIMENT TRAP)	Sd2-E
Co	CONSTRUCTION EXIT	Co	Sd2-P	TEMPORARY INLET SEDIMENT TRAP (CURB INLET PROTECTION)	Sd2-P
Di	DIVERSION	Di	St	STORM DRAIN OUTLET PROTECTION	St
Fr	FILTER RING	Fr	Tf	TREE PROTECTION FENCE	Tf
Du	DUST CONTROL ON DISTURBED AREAS	Du		LIMITS OF DISTURBANCE	

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW

© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinsleccraw.com
P-2646

REVISIONS:

NO.	DATE	BY	REVISION
1	03/12/24	TAA	TKS
2	07/18/24	JUB	TKS
3	12/12/23	JUB	TKS
4	10/19/23	JUB	TKS
5	10/19/23	JUB	TKS

THESE PLANS ARE SUBJECT TO FEDERAL OR STATE ADOPTED LAWS, ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

CLIENT: RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT: RACETRAC - CLAYTON
18 DISTRICT 5, PARCEL 043 012C
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:

3/12/2024

811

Know what's below. Call before you dig.

SCALE & NORTH ARROW:

DESIGN INFO:

DRAWN BY: JUB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

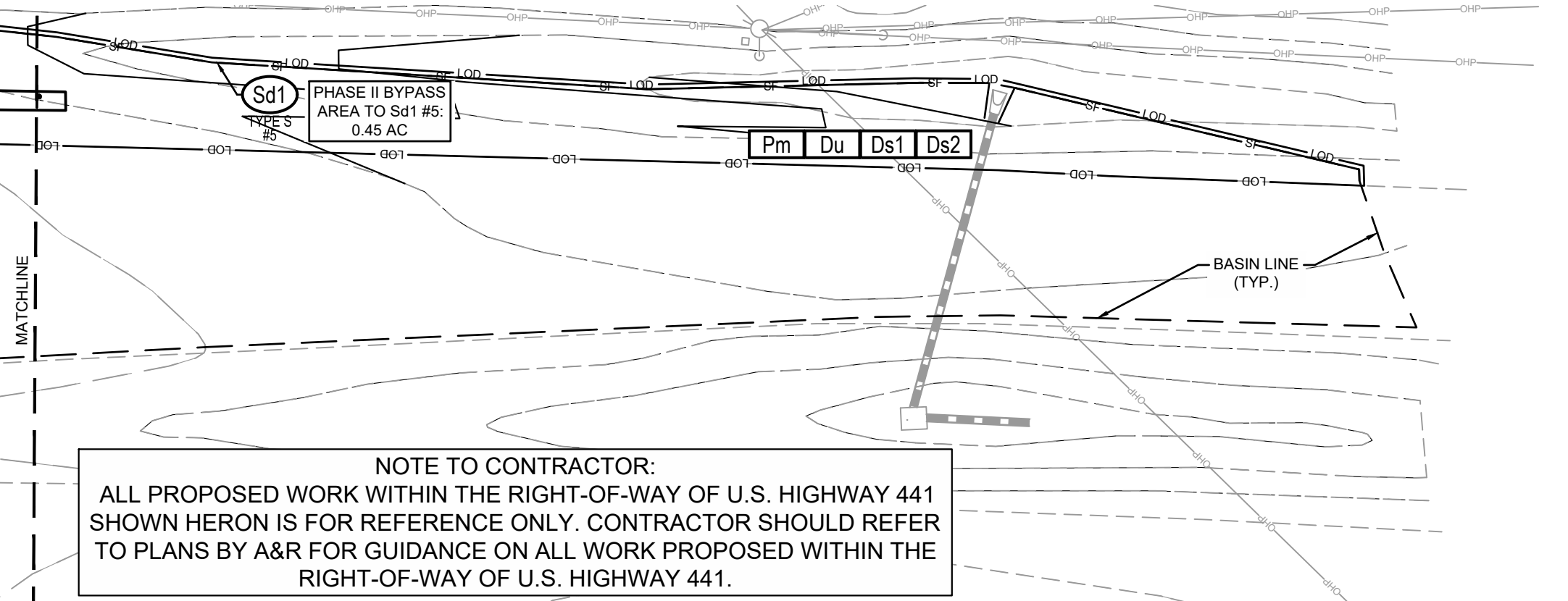
ESCP PLANNER - PHASE II

ES-2.1

SHEET NO. REV.

Sd2-EX No. 1 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 11,495 SF = 0.26 AC Req. Sediment Storage = 477 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 3.0 FT Req. Surface Area = 159 SF Sed. Trap dimensions: W = 9 FT L = 18 FT Provided Area = 162 SF Provided Storage = 486 CF	Sd2-EX No. 6 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 7,835 SF = 0.18 AC Req. Sediment Storage = 325 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 2.0 FT Req. Surface Area = 163 SF Sed. Trap dimensions: W = 10 FT L = 20 FT Provided Area = 200 SF Provided Storage = 400 CF	Sd2-EX No. 11 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 3925 SF = 0.09 AC Req. Sediment Storage = 163 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 109 SF Sed. Trap dimensions: W = 8 FT L = 16 FT Provided Area = 128 SF Provided Storage = 192 CF
Sd2-EX No. 2 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 14,016 SF = 0.32 AC Req. Sediment Storage = 582 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 3.0 FT Req. Surface Area = 194 SF Sed. Trap dimensions: W = 10 FT L = 20 FT Provided Area = 200 SF Provided Storage = 600 CF	Sd2-EX No. 7 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 6,400 SF = 0.15 AC Req. Sediment Storage = 266 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 2.0 FT Req. Surface Area = 133 SF Sed. Trap dimensions: W = 9 FT L = 18 FT Provided Area = 162 SF Provided Storage = 324 CF	Sd2-EX No. 12 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 9040 SF = 0.21 AC Req. Sediment Storage = 375 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 250 SF Sed. Trap dimensions: W = 12 FT L = 24 FT Provided Area = 288 SF Provided Storage = 432 CF
Sd2-EX No. 3 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 43,598 SF = 1.00 AC Req. Sediment Storage = 1,811 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 2.0 FT Req. Surface Area = 905 SF Sed. Trap dimensions: W = 22 FT L = 44 FT Provided Area = 968 SF Provided Storage = 1,836 CF	Sd2-EX No. 8 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 4,284 SF = 0.10 AC Req. Sediment Storage = 178 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 119 SF Sed. Trap dimensions: W = 8 FT L = 16 FT Provided Area = 128 SF Provided Storage = 192 CF	Sd2-EX No. 13 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 4,466 SF = 0.10 AC Req. Sediment Storage = 186 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 83 SF Sed. Trap dimensions: W = 8 FT L = 16 FT Provided Area = 98 SF Provided Storage = 147 CF
Sd2-EX No. 4 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 6,262 SF = 0.14 AC Req. Sediment Storage = 260 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 2.0 FT Req. Surface Area = 130 SF Sed. Trap dimensions: W = 9 FT L = 18 FT Provided Area = 162 SF Provided Storage = 324 CF	Sd2-EX No. 9 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 4,947 SF = 0.11 AC Req. Sediment Storage = 205 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 137 SF Sed. Trap dimensions: W = 9 FT L = 18 FT Provided Area = 162 SF Provided Storage = 243 CF	Sd2-EX No. 14 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 2,980 SF = 0.07 AC Req. Sediment Storage = 124 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 83 SF Sed. Trap dimensions: W = 7 FT L = 14 FT Provided Area = 98 SF Provided Storage = 120 CF
Sd2-EX No. 5 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 6,572 SF = 0.16 AC Req. Sediment Storage = 280 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 3.0 FT Req. Surface Area = 97 SF Sed. Trap dimensions: W = 7 FT L = 14 FT Provided Area = 98 SF Provided Storage = 294 CF	Sd2-EX No. 10 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 3,981 SF = 0.09 AC Req. Sediment Storage = 165 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 110 SF Sed. Trap dimensions: W = 8 FT L = 16 FT Provided Area = 128 SF Provided Storage = 192 CF	Sd2-EX No. 15 - EXCAVATED INLET SEDIMENT TRAP Drainage Area = 6,794 SF = 0.16 AC Req. Sediment Storage = 282 CF (DA x 67 cy/ac x 27 cft) Side Slope = 2:1 Excavation Depth = 1.5 FT Req. Surface Area = 188 SF Sed. Trap dimensions: W = 10 FT L = 20 FT Provided Area = 200 SF Provided Storage = 300 CF

Sd1 #1 - SEDIMENT STORAGE CALCULATION SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE 0.23 * (100 FT / 0.25 AC) = 93 REQUIRED SILT FENCE SILT FENCE PROVIDED = 498 LF	Sd1 #4 - SEDIMENT STORAGE CALCULATION SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE 0.33 * (100 FT / 0.25 AC) = 132 REQUIRED SILT FENCE SILT FENCE PROVIDED = 898 LF
Sd1 #2 - SEDIMENT STORAGE CALCULATION SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE 0.91 * (100 FT / 0.25 AC) = 365 REQUIRED SILT FENCE SILT FENCE PROVIDED = 472 LF	Sd1 #5 - SEDIMENT STORAGE CALCULATION SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE 0.45 * (100 FT / 0.25 AC) = 179 REQUIRED SILT FENCE SILT FENCE PROVIDED = 285 LF
Sd1 #3 - SEDIMENT STORAGE CALCULATION SILT FENCE STORAGE CAPACITY = 1/4 AC PER 100 FEET OF SILT FENCE 0.29 * (100 FT / 0.25 AC) = 117 REQUIRED SILT FENCE SILT FENCE PROVIDED = 353 LF	



NOTE TO CONTRACTOR:
ALL PROPOSED WORK WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441 SHOWN HERON IS FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER TO PLANS BY A&R FOR GUIDANCE ON ALL WORK PROPOSED WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441.

Drawing name: C:\Users\landerson\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\005062 - RaceTrac - Clayton, GA (441 @ Private Drive)\CAUD\CONSTR\005062 - 03 - ES-2.2 Mar 12, 2024 9:15am by landerson

NOTE

CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCE AND TIMING OF ALL EROSION AND SEDIMENT CONTROL MEASURES. PHASING PLANS ARE ONLY A GENERAL GUIDE TO EROSION AND SEDIMENT CONTROL REQUIREMENTS AS DEVELOPMENT OCCURS.

NOTE TO CONTRACTOR:
ALL PROPOSED WORK WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441 SHOWN HERON IS FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER TO PLANS BY A&R FOR GUIDANCE ON ALL WORK PROPOSED WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441.

U.S. HWY 441
(ASPHALT, VARIABLE RIGHT OF WAY)
(SPEED LIMIT 55 M.P.H., ROAD CONDITION GOOD)

24 HOUR CONTACT

MR. TATE GODWIN
770.530.1401
RACETRAC, INC.

PRIMARY PERMITTEE

RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900
ATLANTA, GA 30339
770.431.7600
CONTACT: MR. JUSTIN GIAMBALVO
RCRAVEN@RACETRAC.COM

NOTE TO CONTRACTOR:

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GENERAL EROSION CONTROL NOTES

- 1.) ALL BEST MANAGEMENT PRACTICES ARE TO BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION EROSION AND SEDIMENT CONTROL STANDARDS.
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- 3.) SOIL TYPES FOR ENTIRE DISTURBED AREA IS TR & SAE PER NRCS WEB SOIL SURVEY.
- 4.) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
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- 6.) SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, AS REQUIRED, INDICATING THE 1/3 FULL VOLUME.
- 7.) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 8.) WASHOUT OF CONCRETE DRUM AT CONSTRUCTION SITE IS PROHIBITED AND NOT ALLOWED IN WASH AREAS.

TOTAL SITE AREA = 2.68 ACRES
TOTAL DISTURBED AREA = 4.50 ACRES
PHASE III DISTURBED AREA = 4.50 ACRES

CERTIFICATION STATEMENT

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

I CERTIFY UNDER PENALTY OF THE LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

UPON THE INSTALLATION OF THE PHASE 1 EROSION CONTROL MEASURES, I WILL VISIT THE SITE TO PERFORM THE INSPECTION CERTIFICATION WITHIN 7 DAYS, ONCE NOTIFIED BY THE CONTRACTOR.

GEORGIA LICENSED PROFESSIONAL (SIGN) DATE 3/12/24

TIMOTHY KYLE SHARPE
GEORGIA LICENSED PROFESSIONAL (PRINT)

036681

GEORGIA PE#

0000065749

GEORGIA EROSION CONTROL LEVEL 2 CERTIFICATION 3

ADDITIONAL BMP'S

1. DUE TO THE SITE BEING LOCATED WITHIN 1 MILE OF IMPAIRED STREAM CALLED STEKOA CREEK, THE FOLLOWING ADDITIONAL BMP'S MUST BE PROVIDED:

PLACE A LARGE SIGN (MINIMUM 4'x8') ON THE SITE VISIBLE FROM THE ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITTEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S)

USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THE NPDES PERMITS.

CONDUCT TURBIDITY AND TOTAL SUSPENDED SOLIDS (TSS) SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.D OF THE NPDES PERMITS.

APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

SOIL SERIES

Tr: TRANSYLVANIA-TOXAWAY COMPLEX
SAE: SALUDA ASSOCIATION



2

TIMOTHY KYLE SHARPE
Level II Certified Design Professional

CERTIFICATION NUMBER 0000065749

ISSUED: 02/17/2021 EXPIRES: 02/17/2024

EROSION CONTROL LEGEND

CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)	Ds4
Ss	SLOPE STABILIZATION EROSION CONTROL MATTING AND BLANKETS	Ss	Sd1-S	SEDIMENT BARRIER (TYPE C SILT FENCE)	Sd1-S
Sd2-F	TEMPORARY INLET SEDIMENT TRAP (FILTER FABRIC WITH SUPPORTING FRAME)	Sd2-F	Sd2-E	TEMPORARY INLET SEDIMENT TRAP (EXCAVATED INLET SEDIMENT TRAP)	Sd2-E
Co	CONSTRUCTION EXIT	Co	Sd2-P	TEMPORARY INLET SEDIMENT TRAP (CURB INLET PROTECTION)	Sd2-P
Di	DIVERSION	Di	St	STORM DRAIN OUTLET PROTECTION	St
Fr	FILTER RING	Fr	Tf	TREE PROTECTION FENCE	Tf
Du	DUST CONTROL ON DISTURBED AREAS	Du		LIMITS OF DISTURBANCE	

PREPARED IN THE OFFICE OF:



© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:

NO.	DATE	BY	CHKD.	REV.
1	10/19/23	JJB	TKS	
2	12/12/23	JJB	TKS	
3	01/18/24	JJB	TKS	
4	03/12/24	TAA	TKS	

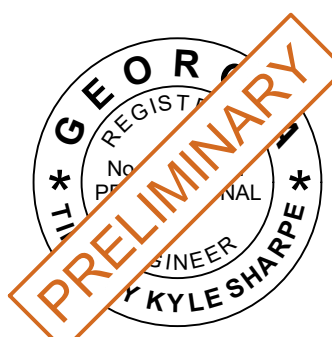
THESE PLANS ARE SUBJECT TO FEDERAL AND STATE LAWS. ANY USE OF SAME WITHOUT THE WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.



RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:



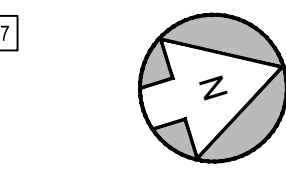
3/12/2024

CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



NORTH ARROW
SCALE: 1" = 30'

DESIGN INFO:

DRAWN BY: JJB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

ESCP PLAN - PHASE III

ES-2.2

SHEET NO.

REV.

Drawing name: C:\Users\anderson\Gaskins\LeCraw Dropbox\Shared Folders\Engineering\050562 - RaceTrac - Clayton, GA (44) (@ Private Drive)\GASDC\CONSTRUCTION-05 - ESPEC DETAILS.dwg ES-D1 Mar 12, 2024 9:15am by anderson

RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA – NO WELL DEFINED CHANNEL

PLAN

SECTION A-A

NOTES:

1. L_o IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 4".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL

PLAN

SECTION A-A

Figure 6-34.3 - Riprap Outlet Protection (Modified From Va SWCC)

GSWCC 2016 Edition

Materials—Ensure that riprap consists of a well-graded mixture of stone. Larger stones should predominate, with sufficient smaller sizes to fill the voids between the stones. The diameter of the largest stone size should be no greater than 1.5 times the d₁₅ size.

Thickness—Make the minimum thickness of riprap 1.5 times the maximum stone diameter.

Stone quality—Select stone for riprap from field stone or quarry stone. The stone should be hard, angular, and highly weather-resistant. The specific gravity of the individual stones should be at least 2.5.

Filter—Install a filter to prevent soil movement through the openings in the riprap. The filter should consist of a graded gravel layer or a synthetic filter cloth. Design filter blankets by the method described in Practice 6.15, Aprons.

Notes

1. L_o is the length of the riprap apron.
2. d = 1.5 times the maximum stone diameter but not less than 6".
3. In a well-defined channel extend the apron up the channel banks to an elevation of 6" above the maximum tailwater depth or to the top of the bank, whichever is less.
4. A filter blanket or filter fabric should be installed between the riprap and soil foundation.

Structural BMP: Rip Rap Outlet Protection (St)												
Structure	Diameter (in)	Q25 (cfs)	V25 (tpe)	Yc (in)	Tailwater Condition	Figure	La (ft)	Ws (ft)	W ₂ (ft)	d50 (ft)	dMAX (ft)	D (ft)
C1	36	21.94	6.84	18.12	MAXIMUM	6-34.2	14	9	8.60	0.35	0.53	0.79

Dust Control on Disturbed Areas

DEFINITION
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE
•To prevent surface and air movement of dust from exposed soil surfaces.

•To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS
This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification Tac - Tackifiers.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency

Du

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measures that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

Permanent Vegetation. See specification Ds3 - Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsolling. This entails covering the surface with less erosive soil material. See specification Tp - Topsolling.

Stone. Cover surface with crushed stone or coarse gravel. See specification Cr-Construction Road Stabilization.

GSWCC 2016 Edition

SILT FENCE - TYPE C

NOTES:

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

Figure 6-27.2

6-142

Table 6-27.3 Fasteners for Wood Posts

Wire Staples	Gauge	Crown	Legs	Staples / Post
17 min.	3/4"	1/2"	long	6 min.

Gauge	Length	Button Heads	Nail / Post
14 min.	1"	3/4"	4 min.

Note: Filter Fabric may also be attached to the post by wire, cords, and pockets.

GSWCC 2016 Edition

CERTIFICATION STATEMENT (ENGINEER)

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATERS) OR THE SAMPLING OF STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

I CERTIFY UNDER PENALTY OF THE LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

UPON THE INSTALLATION OF THE PHASE 1 EROSION CONTROL MEASURES, I WILL VISIT THE SITE TO PERFORM THE INSPECTION CERTIFICATION WITHIN 7 DAYS, ONCE NOTIFIED BY THE CONTRACTOR.

GEORGIA LICENSED PROFESSIONAL (SIGN) DATE 3/12/24 036681 GEORGIA PE#

TIMOTHY KYLE SHARPE GEORGIA LICENSED PROFESSIONAL (PRINT) 0000065749 GEORGIA EROSION CONTROL LEVEL 2 CERTIFICATION 3

GSWCC DESIGN PROFESSIONAL

TIMOTHY KYLE SHARPE
Level II Certified Design Professional

CERTIFICATION NUMBER 0000065749

ISSUED: 02/17/2021 EXPIRES: 02/17/2024

REVISIONS:	
NO.	DATE
1	01/18/24
2	01/18/24
3	01/18/24
4	01/18/24

PREPARED IN THE OFFICE OF:

© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinsleccraw.com
P-2646

THESE PLANS ARE SUBJECT TO FEDERAL RIGHT-OF-WAY LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

CLIENT
RaceTrac

SEAL:

3/12/2024

CALL BEFORE YOU DIG

811

Know what's below. Call before you dig.

SCALE & NORTH ARROW:

DETAILS ARE NOT DRAWN TO SCALE

DESIGN INFO:

DRAWN BY: JJB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

EROSION CONTROL DETAILS - 1

ES-D1

SHEET NO. REV.

OUTLET PROTECTION (St #1)

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% TO 100% SOIL COVER. WHEN SELECTING A MULCH, DESIGN PROFESSIONALS SHOULD CONSIDER THE MULCH'S FUNCTIONAL LONGEVITY, VEGETATION ESTABLISHMENT ENHANCEMENT, AND EROSION CONTROL EFFECTIVENESS. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED.

DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.

1. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
2. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.
3. SERICEA LESPEDeza HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.
4. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.
5. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
6. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS, SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

LIME & FERTILIZER RATES

NOTE: LIME & FERTILIZER RATES APPLY TO BOTH Ds2 & Ds3

AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERENNIAL PERMANENT VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50 PERCENT WILL PASS THROUGH A 50-MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.

FAST-ACTING LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHOULD BE "FINELY GROUND LIMESTONE" SPANNING FROM THE 180 MICRON SIZE TO THE 5 MICRON SIZE. FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 95 PERCENT OF THE MATERIAL WILL PASS THROUGH A 100-MESH SIEVE.

IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST FLATWOODS MLRAS. (SEE FIGURE 6-4.1)

AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED.

INITIAL FERTILIZATION, NITROGEN, TOPDRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES ARE LISTED IN TABLE 6-5.1.

DUST CONTROL (Du)

Disturbed Area Stabilization (With Mulching Only) Ds1

DEFINITION
Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

PURPOSE
•To reduce runoff and erosion
•To conserve moisture
•To prevent surface compaction or crusting
•To control undesirable vegetation
•To modify soil temperature
•To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE
Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials
Select one of the following materials and apply at the depth indicated.

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. Polyethylene film shall be secured over berms or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Anchoring Mulch
1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "padder disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

Applying Mulch
When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

SILT FENCE (Sd1-S)

TREE PROTECTION

CHAIN LINK FENCE DETAIL

NO EXCAVATION, TRENCHING, TILTING, GRUBBING, VEHICLE OR EQUIPMENT STORAGE WITHIN LIMITS OF TREE PROTECTION FENCING.

6" TEMPORARY CHAIN LINK FENCE

10' ON CENTER

6" TEMPORARY CHAIN LINK FENCE FOR TREE PROTECTION BARRIER (TYP.)

FOR ADDED PROTECTION

—PROVIDE 4" DEEP ORGANIC MULCH OVER ANY UNPROTECTED ROOT ZONE.

—PROVIDE TEMPORARY IRRIGATION WHERE PRACTICAL AND FEASIBLE.

Figure 6-38.2

6-228

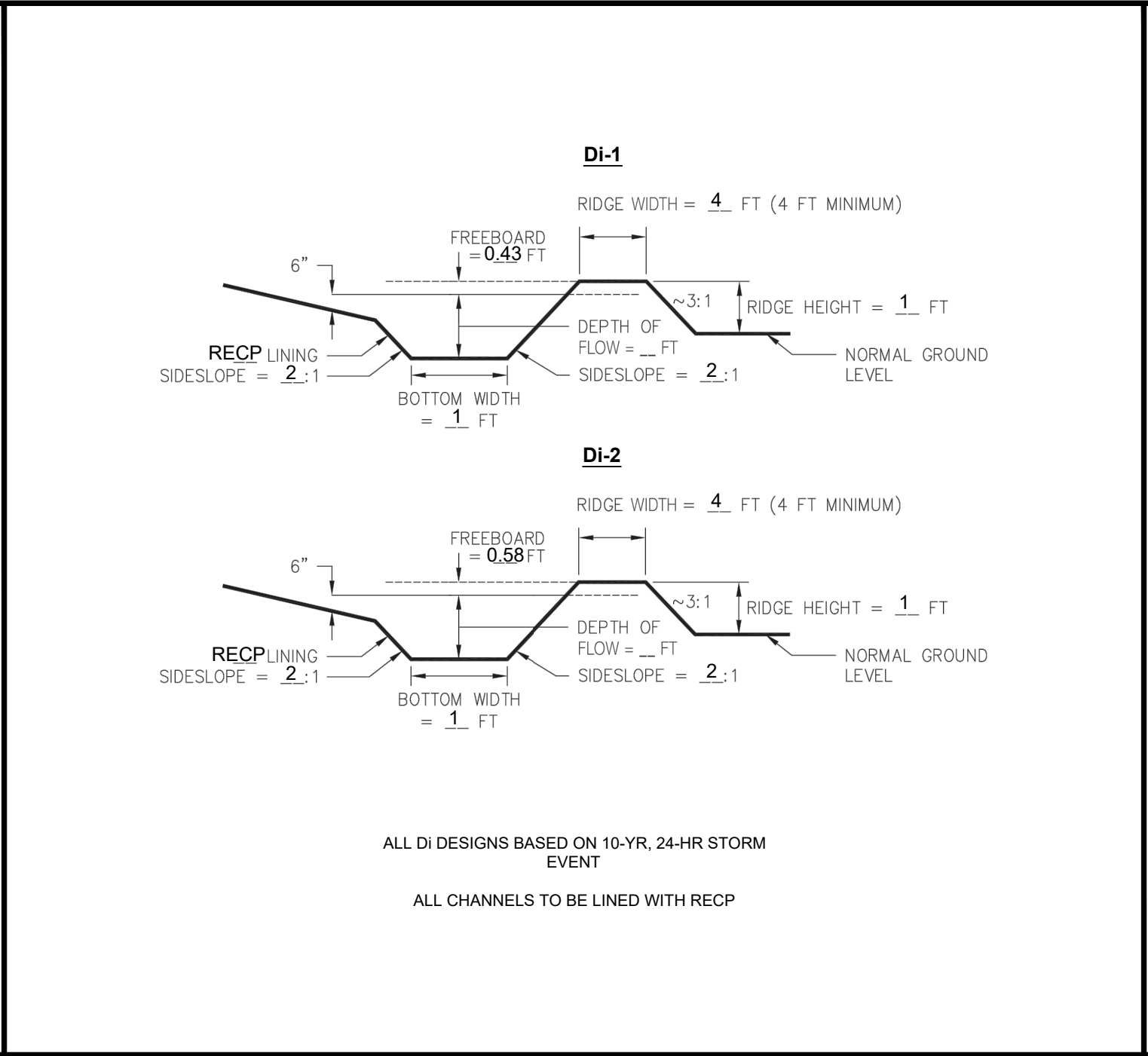
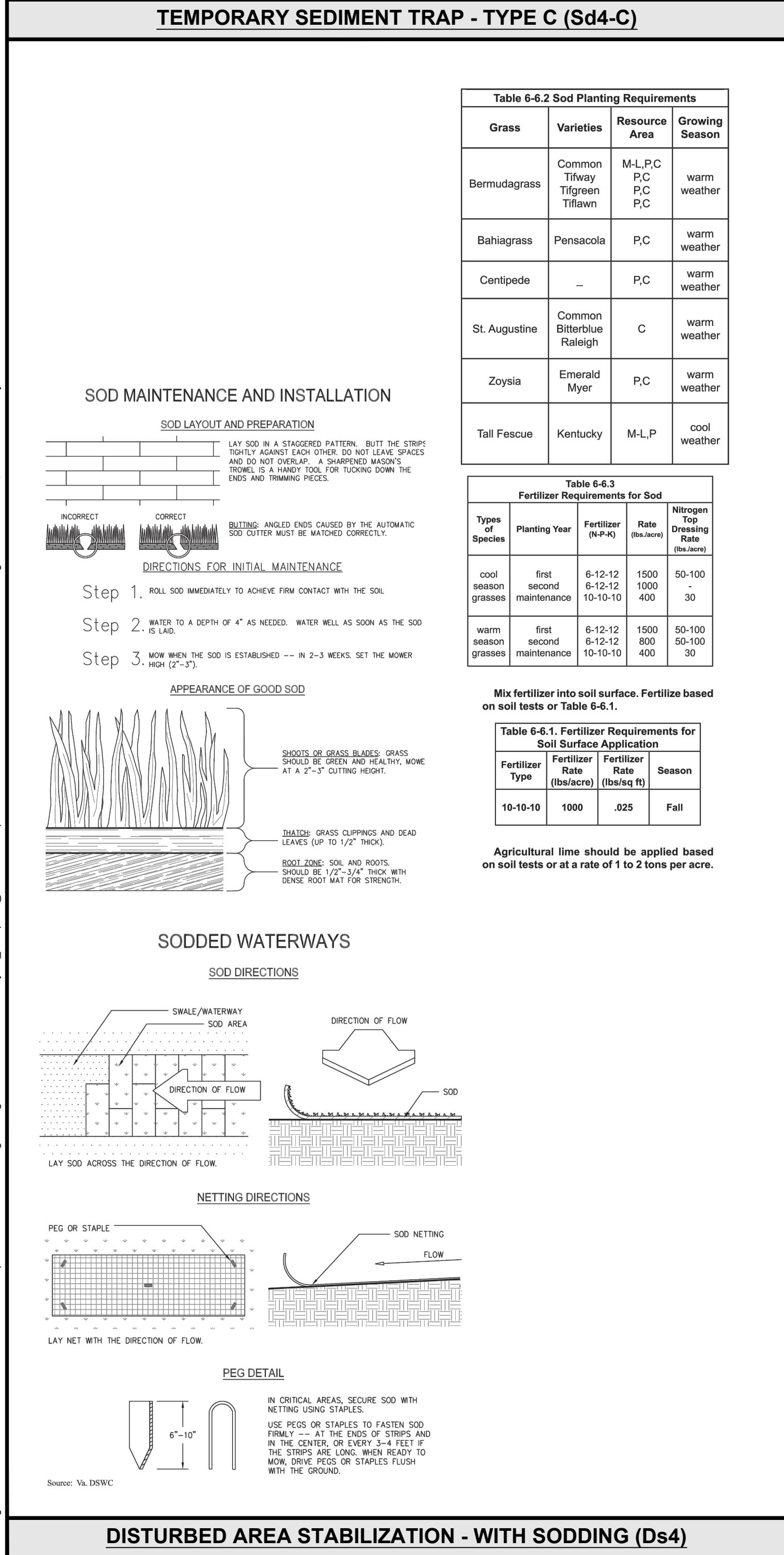
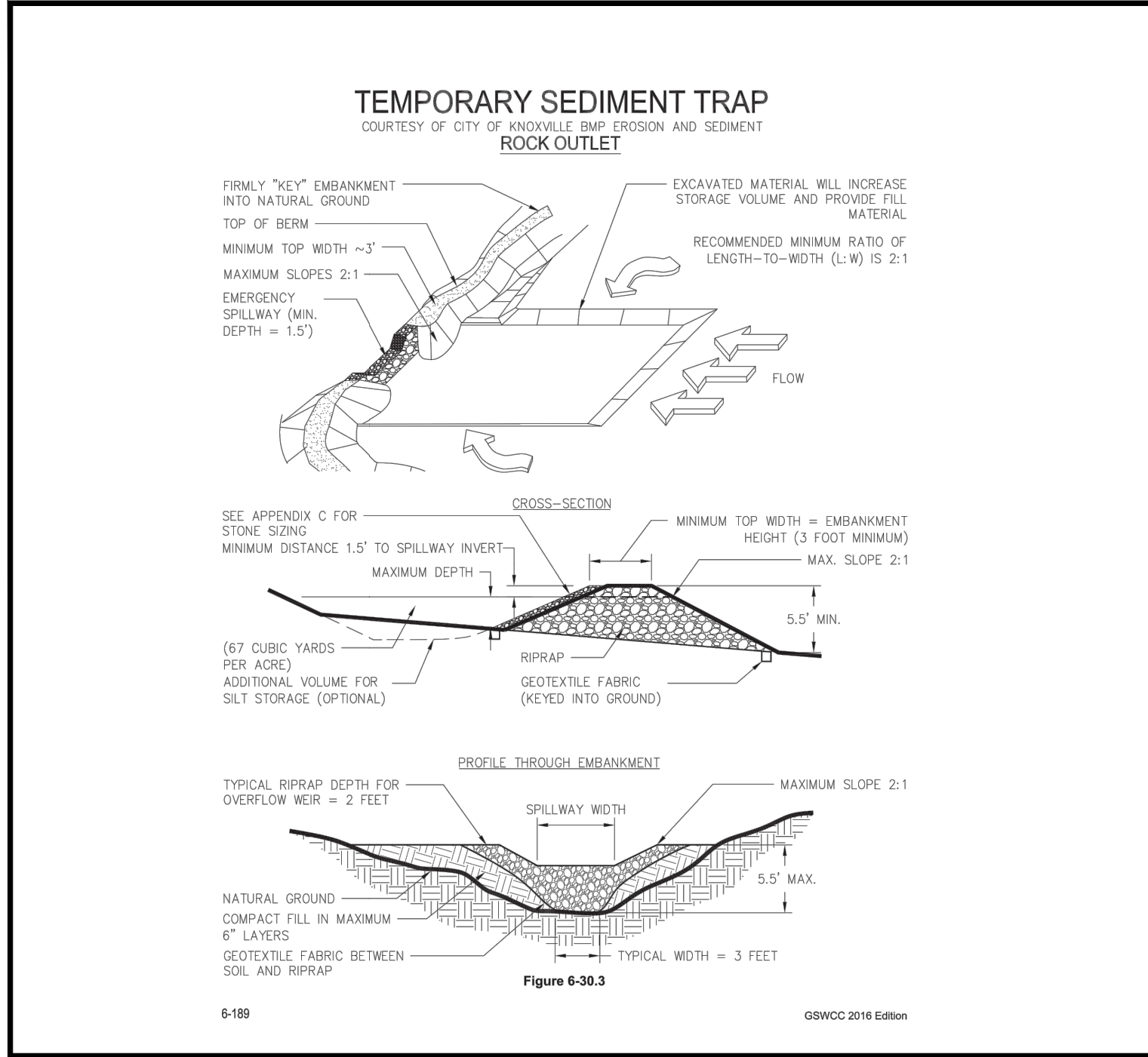
GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES			
CODE	PRACTICE	DETAIL	DESCRIPTION
1	1.1	1.1.1	1.1.1.1
2	2.1	2.1.1	2.1.1.1
3	3.1	3.1.1	3.1.1.1
4	4.1	4.1.1	4.1.1.1
5	5.1	5.1.1	5.1.1.1
6	6.1	6.1.1	6.1.1.1
7	7.1	7.1.1	7.1.1.1
8	8.1	8.1.1	8.1.1.1
9	9.1	9.1.1	9.1.1.1
10	10.1	10.1.1	10.1.1.1
11	11.1	11.1.1	11.1.1.1
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18	18.1	18.1.1	18.1.1.1
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97	97.1	97.1.1	97.1.1.1
98	98.1	98.1.1	98.1.1.1
99	99.1	99.1.1	99.1.1.1
100	100.1	100.1.1	100.1.1.1

VEGETATIVE PRACTICES			
CODE	PRACTICE	DETAIL	DESCRIPTION
101	101.1	101.1.1	101.1.1.1
102	102.1	102.1.1	102.1.1.1
103	103.1	103.1.1	103.1.1.1
104	104.1	104.1.1	104.1.1.1
105	105.1	105.1.1	105.1.1.1
106	106.1	106.1.1	106.1.1.1
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138	138.1	138.1.1	138.1.1.1
139	139.1	139.1.1	

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DIVERSION DITCH (Di)																
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER ¹																
Species	Broadcast Rates		Resource Area ^a	Planting Dates by Resource Area												Remarks
		<i>Pure Live Seed (PLS)</i> <i>Rate Per Acre^a Per 1000 sqft</i>		<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PENSACOLA <i>Paspalum notatum</i>																
alone or with temporary cover	60 lbs	1.4 lbs	P												166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with companion crop. Will spread into bermuda pastures and awns. Mix with Sericea lespedeza or weeping lovegrass.	
with other perennials	30 lbs	0.7 lb	C													
BAHIA, WILMINGTON <i>Paspalum notatum</i>																
alone or with temporary cover	60 lbs	1.4 lb	M-L													
with other perennials	30 lbs	0.7 lb	P												Same as above.	
BERMUDA, COMMON <i>Cynodon dactylon</i>																
Hulled seed alone	10 lbs	0.2 lb	P													
			C												1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.	
with other perennials	6 lbs	0.7 lb														
BERMUDA, COMMON <i>Cynodon dactylon</i>																
Unhulled seed with temporary cover	10 lbs	0.2 lb	P												Plant with winter annuals.	
with other perennials	6 lbs	0.1 lb	C												Plant with Tall Fescue	
Species	Broadcast Rates		Resource Area ^a	Planting Dates by Resource Area												Remarks
		<i>Pure Live Seed (PLS)</i> <i>Rate Per Acre^a Per 1000 sqft</i>		<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
BERMUDA SPRIGS <i>Cynodon dactylon</i>																
40 cu ft or sod plugs 3' x3'			M-L													
Coastal, Common, Midland, or Tift 44			P												A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 springs.	
Coastal, Common, of Tift 44			C												Same as above.	
Tift 78			C												Southern Coastal Plain only	
CENTIPEDE <i>Eremochloa ophiuroides</i>																
Block sod only			P													
			C												Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta	
CROWNVELTECH <i>Coronilla varia</i>																
with winter annuals or cool season grasses	15 lbs	0.3 lb	M-L P												100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M inoculant. Use from North Atlanta and Northwest	
Species	Broadcast Rates		Resource Area ^a	Planting Dates by Resource Area												Remarks
		<i>Pure Live Seed (PLS)</i> <i>Rate Per Acre^a Per 1000 sqft</i>		<i>Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.</i>												
				J	F	M	A	M	J	J	A	S	O	N	D	
FESCUE, TALL <i>Festuca arundinacea</i>																
alone	50 lbs	1.1 lb	M-L												227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.	
with other perennials	30 lbs	0.7 lb	P													
KUDZU <i>Pueraria thurbergiana</i>																
Plants or crowns	3' - 7' apart		ALL												Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.	
LESPEDEZA SERICEA <i>Lepespeza cuneata</i>																
scarified	60 lbs	1.4 lb	M-L P C												350,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass. Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.	
unscarified	75 lbs	1.7 lb	M-L P C												Mix with Tall fescue or winter annuals.	
seed-bearing hay	3 tons	1338 lbs	M-L P C												Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.	
PERMANENT VEGETATION																

Table 6-5.1. Fertilizer Requirements				
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/ 30
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ — —
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.	— — —
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First Maintenance	0-10-10 10-10-10	700 lbs./ac. 700 lbs./ac. 4/	— —
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2B/ 50-100 lbs./ac. 2/ 30 lbs./ac.
8. Warm season grasses and legumes	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. 6/

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

FERTILIZER REQUIREMENTS

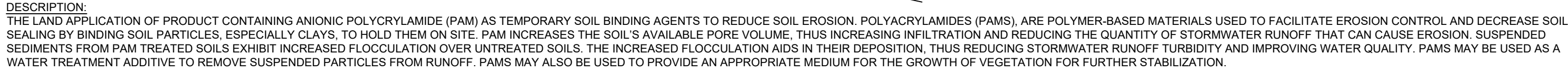
Species	Broadcast Rates	Resource Area ^a	Planting Dates by Resource Area	Remarks
	Pure Live Seed (PLS) Rate Per Acre ^a Per 1000 sqft		Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. J F M A M J J A S O N D	
LESPEDEZA, AMBRO VIRGATA Lespedeza virgata DC or Apollow Lespedeza cuneata (Dumont) G. Don				
scarified	60 lbs	1.4 lb		300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb		
LESPEDEZA, SHRUB Lespedeza bicolor Lespedeza thumbergi				
plants	3' x 3'			Provide wildlife food and cover.
LOVEGRASS, WEEPING Eragrostis curvula				
alone	4 lbs	0.1 lb		1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks.
with other perennials	2 lbs	0.05 lb		

Species	Broadcast Rates	Resource Area ^a	Planting Dates by Resource Area	Remarks
	Pure Live Seed (PLS) Rate Per Acre ^a Per 1000 sqft		Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates. J F M A M J J A S O N D	
MAIDENCANE Panicum hemiltonian				
sprigs	2' x 3' spacing	ALL		For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL Panicum amarum var amarum				
	20 lbs	0.5 lb		Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
REED CANARY GRASS Phalaris arundinacea				
alone	50 lbs	1.1 lb		
with other perennials	30 lbs	0.7 lb		Grows similar to Tall fescue
SUNFLOWER, AZTEC ¹ MAXIMILLIAN Helianthus maximiliani				
	10 lbs	0.2 lb		227,000 seed per pound. Mix with Weeping lovegrass or other low-growing grasses or legumes.

1 Reduce seeding rates by 50% when drilled
2 PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.
3 M-L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Souther Coastal Plain; Sand Hills;Black Lands;and Atlantic Coast Flatwoods MLRAs.

See Figure 6-4.1

FIVE PRACTICES (Ds3)



TREATMENT MECHANISMS:
(FLOCCULATION & COAGULATION)

APPLICATION

- SOIL STOCKPILES
- AREAS THAT WILL BE MULCHED
- WHEN USED CORRECTLY AND IN CONCERT WITH EXISTING EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs), LAND APPLIED PAMS SHOULD NOT ENTER SURFACE WATERS OF THE STATE
- PAMS ARE MANUFACTURED IN VARIOUS FORMS TO BE USED ON SPECIFIC SOIL TYPES, AND ARE GENERALLY APPLIED AT A RATE OF UP TO 10 POUNDS/ACRE
- USING THE WROUNG FORM OF A PAM ON A SOIL WILL RESULT IN SOME DEGREE OF PERFORMANCE FAILURE, AND INCREASE THE POTENTIAL FOR THIS MATERIAL TO ENTER SURFACE WATERS
- PAMS SHOULD BE USED IN CONJUNCTION WITH OTHER EROSION CONTROL BMPs AND NOT IN PLACE OF OTHER EROSION CONTROL BMPs OR SEDIMENT CONTROL BMPs
- STORMWATER RUNOFF FROM LAND TREATED SOILS SHOULD PASS THROUGH A SEDIMENT CONTROL BMP PRIOR TO DISCHARGING TO SURFACE WATERS
- PAM CAN BE APPLIED TO WET SOIL, BUT DRY SOIL IS PREFERRED DUE TO LESS SEDIMENT LOSS.

-KEEP THE GRANULAR PAM SUPPLY OUT OF THE SUN. GRANULAR PAM LOSES ITS EFFECTIVENESS IN THREE MONTHS AFTER EXPOSURE TO SUNLIGHT AND AIR.

-PROPER APPLICATION AND RE-APPLICATION PLANS ARE NECESSARY TO ENSURE TOTAL EFFECTIVENESS OF PAM USAGE.

-PAM, COMBINED WITH WATER, IS VERY SLIPPERY AND CAN BE A SAFETY HAZARD. CARE MUST BE TAKEN TO PREVENT SPILLS OF PAM POWDER ONTO PAVED SURFACES. DURING AN APPLICATION OF PAM, PREVENT OVER SPRAY FROM REACHING PAVEMENT, AS PAVEMENT WILL BECOME SLIPPERY. IF PAM POWDER GETS ON SKIN OR CLOTHING, Wipe IT OFF WITH A ROUGH TOWEL RATHER THAN WASHING WITH WATER THIS ONLY MAKES CLEANUP MESSIER AND LONGER.

DESIGN SPECIFICATIONS:
 -PAM MAY BE APPLIED IN DISSOLVED FORM WITH WATER, OR IT MAY BE APPLIED IN DRY, GRANULAR, OR POWDERED FORM. THE PREFERRED APPLICATION METHOD IS THE DISSOLVED FORM.
 -PAM IS TO BE APPLIED AT A MAXIMUM RATE OF ½ POUND PAM PER 1000 GALLONS WATER PER 1 ACRE OF BARE SOIL. HIGHER CONCENTRATIONS OF PAM DO NOT PROVIDE ANY ADDITIONAL EFFECTIVENESS.

CONSTRUCTION GUIDELINES:

1. PRE-MEASURE THE AREA WHERE PAM IS TO BE APPLIED AND CALCULATE THE AMOUNT OF PRODUCT AND WATER NECESSARY TO PROVIDE COVERAGE AT THE SPECIFIED APPLICATION RATE (1/2 POUND PAM/1000 GALLONS/ACRE).
2. PAM HAS INFINITE SOLUBILITY IN WATER, BUT DISSOLVES VERY SLOWLY. DISSOLVE PREMEASURED DRY GRANULAR PAM WITH A KNOWN QUANTITY OF CLEAN WATER IN A BUCKET SEVERAL HOURS. MECHANICAL MIXING WILL HELP DISSOLVE THE PAM. ALWAYS ADD PAM TO WATER – NOT WATER TO PAM.
3. PRE-FILL THE WATER TRUCK ABOUT 1/8 FULL WITH WATER. THE WATER DOES NOT HAVE TO BE POTABLE, BUT IT MUST HAVE RELATIVELY LOW TURBIDITY – IN THE RANGE OF 20 NTU OR LESS.
4. ADD THE DISSOLVED PAM AND WATER MIXTURE TO THE TRUCK.
5. FILL THE WATER TRUCK TO SPECIFIED VOLUME FOR THE AMOUNT OF PAM TO BE APPLIED.
6. SPRAY THE PAM/WATER MIXTURE ONTO THE SOIL UNTIL THE SOIL SURFACE IS UNIFORMLY AND COMPLETELY WETTED.
7. PAM MAY ALSO BE APPLIED AS A POWDER AT THE RATE OF 5 LBS PER ACRE. THIS MUST BE APPLIED ON A DAY THAT IS DRY. FOR AREAS LESS THAN 5-10 ACRES, A HAND HELD "ORGAN GRINDER" FERTILIZER SPREADER SET TO THE SMALLEST SETTING WILL WORK. TRACTOR MOUNTED SPREADERS WILL WORK FOR LARGER AREAS.

MONITORING & MAINTENANCE:

- INSPECT BMPs PRIOR TO FORECAST RAIN, DAILY DURING EXTENDED RAIN EVENTS, AFTER RAIN EVENTS, WEEKLY DURING THE RAINY SEASON, AND AT TWO-WEEK INTERVALS DURING THE NON-RAINY SEASON.
- AREAS WHERE EROSION IS EVIDENT SHOULD BE REPAIRED AND BMPs RE-APPLIED AS SOON AS POSSIBLE. CARE SHOULD BE EXERCISED TO MINIMIZE THE DAMAGE TO PROTECTED AREAS WHILE MAKING REPAIRS, AS ANY AREA DAMAGED WILL REQUIRE RE-APPLICATION OF BMPs.
- PAM MUST BE REAPPLIED ON ACTIVELY WORKED AREAS AFTER 48-HOUR PERIOD IF PAM IS TO REMAIN EFFECTIVE.
- REAPPLICATION IS NOT REQUIRED UNLESS PAM TREATED SOIL IS DISTURBED OR UNLESS TURBIDITY LEVELS SHOW THE NEED FOR AN ADDITIONAL APPLICATION.
- PAM TREATED SOIL IS LEFT UNDISTURBED. A REAPPLICATION MAY BE NECESSARY AFTER TWO MONTHS.
- MORE PAM APPLICATIONS MAY BE REQUIRED FOR STEEP SLOPES, SILTY AND CLAYEY SOILS (USDA CLASSIFICATION TYPE "C" AND "D" SOILS), LONG GRADES, AND HIGH PRECIPITATION AREAS.
- WHEN PAM IS APPLIED FIRST TO BARE SOIL, THEN COVERED WITH STRAW, A REAPPLICATION MAY NOT BE NECESSARY FOR SEVERAL MONTHS.
- GENERAL MAINTAINING AND APPLICATION EQUIPMENT THAT DROUGHTY WITH WATER TO AVOID FORMATION OF PAM RESIDUES.
- DOWNSTREAM DEPOSITION FROM THE USE OF PAM MAY REQUIRE PERIODIC SEDIMENT REMOVAL TO MAINTAIN NORMAL FUNCTIONS



FILTER OPTIONS
 FILTER HAT IS AVAILABLE IN THREE OPTIONS:
 1) ALL HIGH-FLOW MATERIAL
 2) ALL HIGH-EFFICIENCY MATERIAL
 3) HIGH-FLOW MATERIAL ON TOP HALF OF HAT, HIGH-EFFICIENCY MATERIAL ON BOTTOM HALF (THIS FILTER COVER IS RECOMMENDED FOR ALL ROADWAY PROJECTS.)
 IT IS THE PURCHASER'S RESPONSIBILITY TO PURCHASE APPROPRIATE FILTER HAT. PURCHASER SHALL PROVIDE ROCK FOR FILTER POCKETS

FILTER HAT INSTALLATION
 FILTER HAT SLIDES DIRECTLY OVER FILTER FRAME. TO KEEP FILTER FRAME IN PLACE OVER STORM STRUCTURE, ROCK POCKETS ARE SEWN DIRECTLY INTO FILTER HAT MATERIAL. EVERY FILTER HAT COMES IN ONE PIECE FOR EASY INSTALLATION.

MAINTENANCE
ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT R-100A DAILY FOR CUTS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.

SPECIFICATIONS
FILTER FABRIC SILT-SAVER HAT SHALL BE BASED ON
DESIGN PROFESSIONAL'S SPECIFICATIONS.

Diagram illustrating the dome structure with vertical supports. The height scale on the right indicates the following values:

HEAD - 3.0'
2.5'
2.0'
1.5'
1.0'
0.5'
0.0'

FRAME & FILTER DISCHARGE ANALYSIS					
HEAD (FT)	EQUATION USED	OPENING AREA (SF)	FRAME FLOW (CFS)	FILTER AREA (SF)	FILTERED FLOW (CFS)
0.5	O	2.1	7	6	2
1.0	O	3.9	19	12	3
1.5	O	7.0	41	18	5
2.0	O	8.0	54	24	7
2.5	O	9.2	70	30	9
3.0	O	9.2	77	—	77

DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW, THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.

FILTER MATERIAL ALLOWS 129 gpm/SF OR 0.29cfs/SF
ORIFICE EQUATION (O) = $Q = 0.6A(2gh)^{0.5}$
P = FEET PERIMETER
h = HEAD IN FEET
Q = CAPACITY IN cfs
A = FREE OPEN AREA OF FRAME
g = 32.2 FEET-PER-SECOND/SECOND

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Drawing name: C:\Users\tanderson\GasKins+LeCraw Dropbox\Shared Folders\Engineering\005062 - RaceTrac - GA (441 @ Private Drive)\CADD\CONSTR\005062 - 05 - ESPC DETAIL S.dwg ES-D3 Mar 12, 2024 9:15am by: tanderson

GENERAL SITE NOTES:

- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS SPECIFIED OTHERWISE.
- ALL NEW CURB AND GUTTER IN ROW TO BE 24" OR 30" GDOT 9032B TYPE 7, UNLESS OTHERWISE INDICATED.
- ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
- ALL TREES SHALL HAVE PROPER PROTECTION DURING CONSTRUCTION UNLESS APPROVED PLANS INDICATE OTHERWISE.
- BOUNDARY & TOPOGRAPHIC SURVEY BY GASKINS + LECRAW, DATED 04/13/2023. ELEVATION DATUM IS NAVD 88.
- FLOOD PLAIN IS PRESENT ON THIS SITE AS SHOWN ON THE FEMA FIRM MAP NUMBER 13241C0256D DATED 09/17/2010.
- 1 HANDICAP SPACE IS REQUIRED TO BE VAN ACCESSIBLE WITH A MINIMUM 96" WIDE ACCESS AISLE.
- ACCESSIBLE PARKING AREAS, INCLUDING AISLES, SHALL SLOPE NO MORE THAN 2% IN ANY DIRECTION.
- 8" CONCRETE TO BE USED OVER TANK PIT AND DUMPSTER.

SITE SUMMARY	
SITE AREA	
SITE AREA:	2.88 ACRES (116,771 S.F.)
IMPERVIOUS AREA:	96,685 S.F. (82.8%)
PERVIOUS AREA:	20,086 S.F. (17.2%)
ZONING CLASSIFICATION	
JURISDICTION:	RABUN COUNTY
ZONING:	HB (HIGHWAY BUSINESS)
ADJACENT ZONING:	HB
BUILDING SETBACKS	
FRONT:	40' (MAJOR ARTERY)
SIDE:	0'
REAR:	15'
BUILDING SUMMARY	
BUILDING AREA:	6,008 S.F.
BUILDING COVERAGE:	5.1%
PARKING SUMMARY	
PARKING REQ. 2 SPACES/PUMP + 3 SPACES/GREASE RACK (MIN.)	
12 PUMPS + 2 SPACES + 0 GREASE RACKS = 24 SPACES	
PARKING PROV.:	26 SPACES
STANDARD STALL DIMENSIONS:	10' x 18'
MIN. DRIVE WIDTH:	24'

PREPARED IN THE OFFICE OF:



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3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecrow.com
P-2646

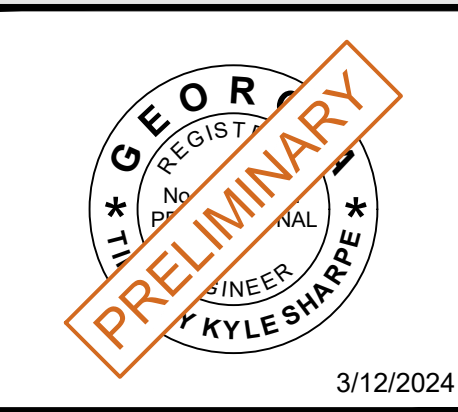
REVISIONS:

REV. #	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	10/19/23	JUB	TKS	
2	12/12/23	JUB	TKS	
3	01/18/24	JUB	TKS	
4	03/12/24	TAA	TKS	

THESE PLANS ARE SUBJECT TO FEDERAL RIGHT OF WAY LAYOUTS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

CLIENT
RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:

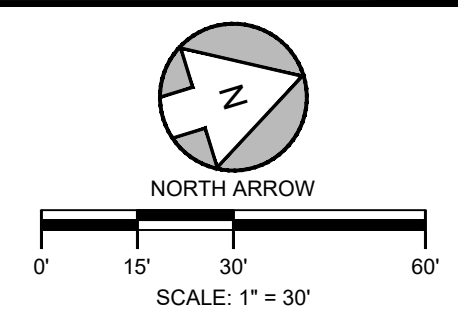


CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



DESIGN INFO:

DRAWN BY:	JUB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

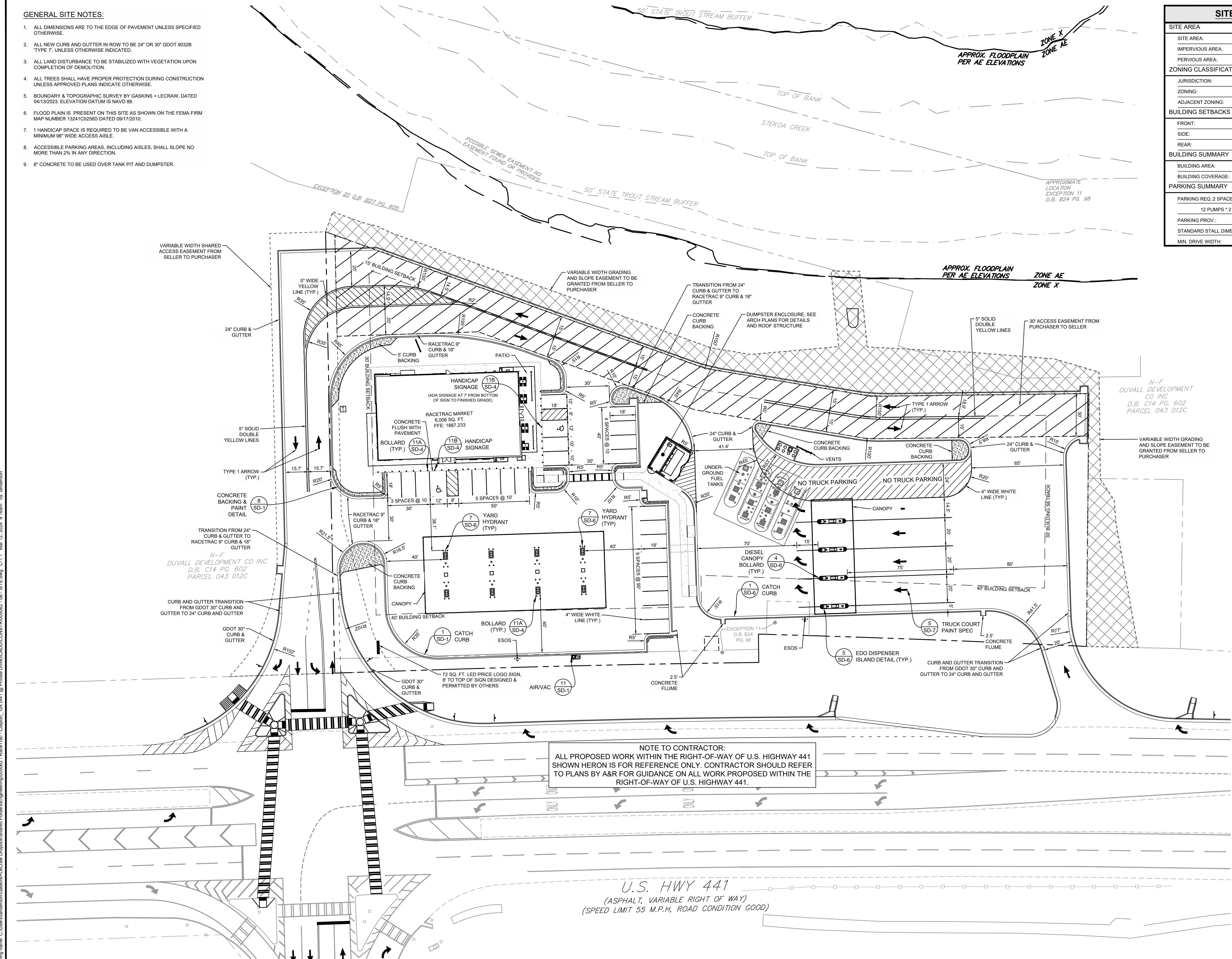
SITE PLAN

C-1.1

SHEET NO.

REV.

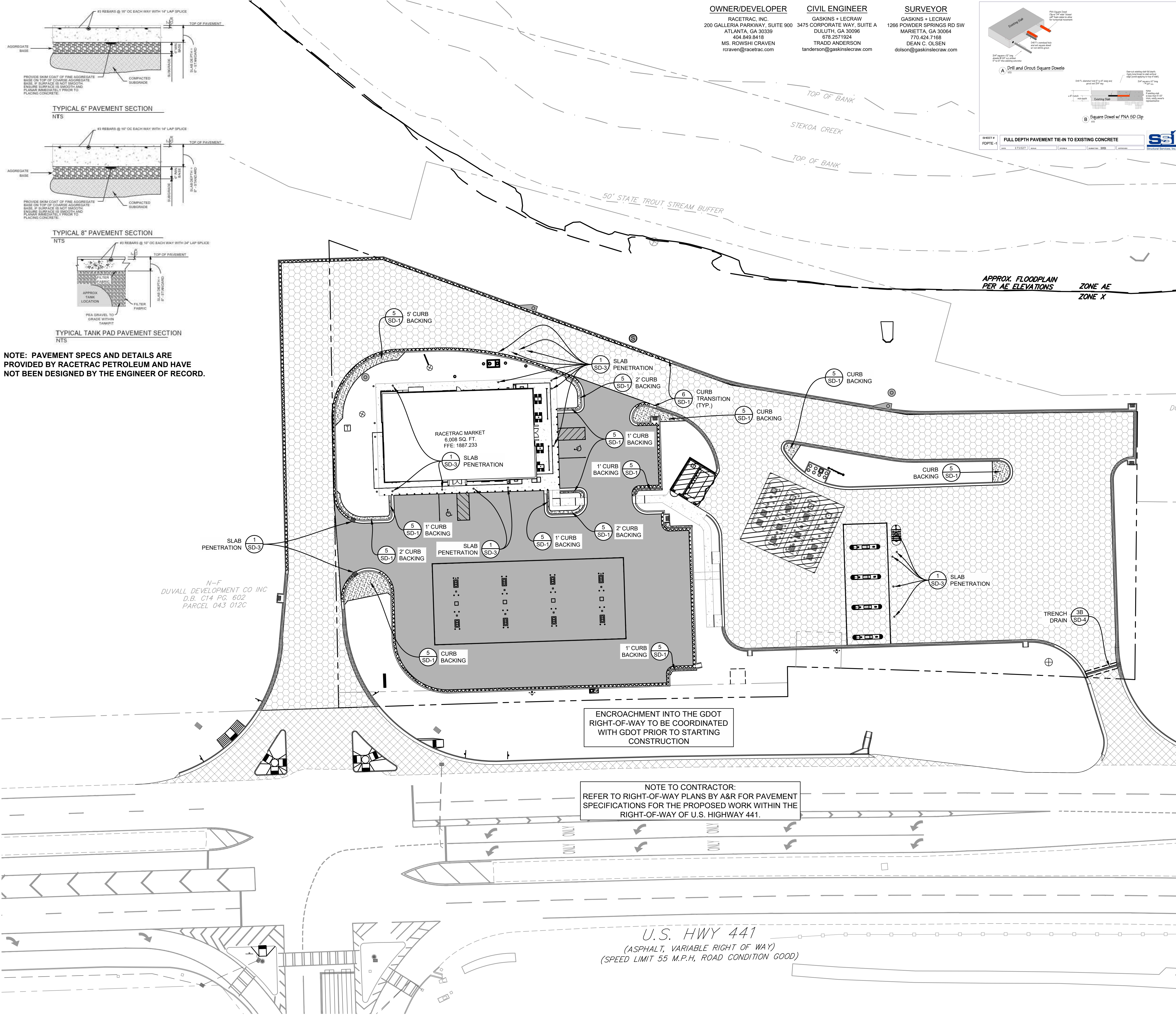
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NOTE TO CONTRACTOR:
ALL PROPOSED WORK WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441
SHOWN HERON IS FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER
TO PLANS BY A&R FOR GUIDANCE ON ALL WORK PROPOSED WITHIN THE
RIGHT-OF-WAY OF U.S. HIGHWAY 441.

U.S. HWY 441
(ASPHALT, VARIABLE RIGHT OF WAY)
(SPEED LIMIT 55 M.P.H., ROAD CONDITION GOOD)

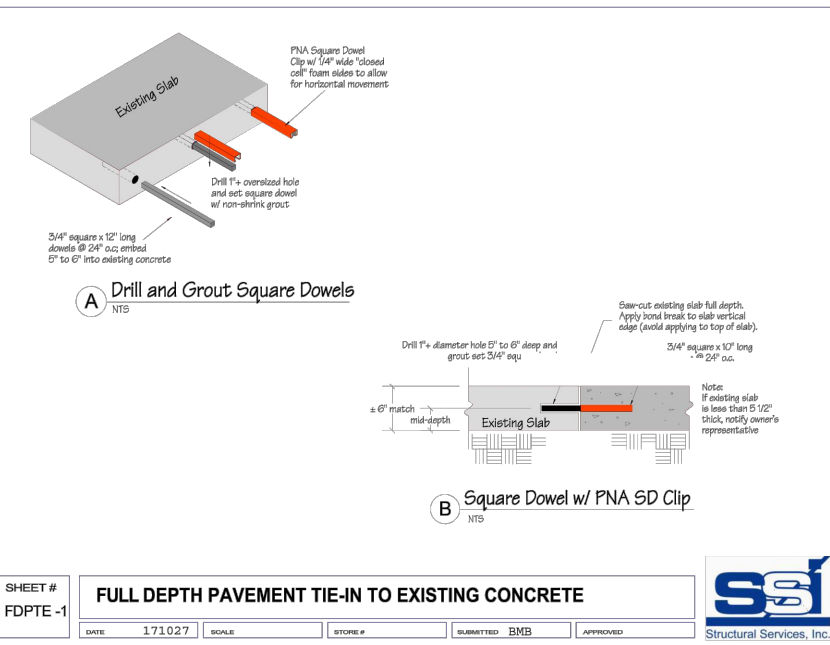
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OWNER/DEVELOPER
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900
ATLANTA, GA 30339
404.849.8418
MS. ROWSHI CRAVEN
rcraven@racetrac.com

CIVIL ENGINEER
GASKINS + LECRAW
3475 CORPORATE WAY, SUITE A
DULUTH, GA 30096
678.257.1924
TRADD ANDERSON
tanderson@gaskinslecraw.com

SURVEYOR
GASKINS + LECRAW
1266 POWDER SPRINGS RD SW
MARIETTA, GA 30064
770.424.7168
DEAN C. OLSEN
dolson@gaskinslecraw.com



LEGEND	
	PROPOSED 4" THICK CONCRETE SIDEWALK
	PROPOSED 6" THICK CONCRETE PAVING WITH #3 REBAR @ 16" OC EACH WAY WITH 14" LAP SPLICE. (SEE DETAIL THIS SHEET)
	PROPOSED 8" THICK CONCRETE PAVING WITH #3 REBAR @ 16" OC EACH WAY WITH 14" LAP SPLICE. (SEE DETAIL THIS SHEET)
	PROPOSED 8" THICK CONCRETE PAVING FOR TANK & DUMPSTER PAVEMENT WITH #3 REBAR PLACED @ 16" OC EACH WAY WITH 24" LAP SPLICE (SEE DETAIL THIS SHEET)
	PROPOSED 8" THICK CONCRETE CURB BACKING (SEE DETAIL 5, SHEET SD1)
	DOT PAVING: REFER TO RIGHT-OF-WAY PLANS BY A&R FOR PAVEMENT SPECIFICATIONS
	ARCHITECTURAL STAMPED CONCRETE (REFER TO ARCHITECTURAL PLANS)
	CATCH CURB (SEE DETAIL 1, SD1 OR DETAIL 1, SD6)
	SHED CURB (SEE DETAIL 2, SD1 OR DETAIL 2, SD6)

PAVING PLAN NOTES:

STANDARD DUTY PAVEMENT AREAS SHALL BE PORTLAND CEMENT CONCRETE. DETAILS OF THE STANDARD DUTY CONCRETE PAVEMENT ARE PROVIDED ON DETAIL SHEETS.

NOTIFY OWNER 3 DAYS PRIOR TO POUR OF INITIAL SECTION OF DRIVEWAY PAVING. RACETRAC REPRESENTATIVE TO APPROVE INITIAL POUR.

TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY, APPROVED BY THE OWNER, FOR TESTING MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE, BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.

ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE DOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. CONTRACTOR SHALL REVIEW ALL TRAFFIC CONTROL DEVICES WITH DOT PRIOR TO INSTALLATION.

CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING.

SEE IRRIGATION PLAN AND MEP PLANS PRIOR TO PAVING FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS. EXTRA CONDUIT SHALL BE PLACED UNDER DRIVEWAYS FOR FUTURE USE.

ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990.

CONTRACTOR SHALL INSTALL CONSTRUCTION/EXPANSION JOINTS AT THE END OF A DAYS POUR AT ALL RADIUS POINTS, OR MAXIMUM 30' O.C. SPACING. CONTROL JOINTS SHALL BE PLACED AT MAXIMUM 15' IN BOTH DIRECTIONS.

CONTRACTOR TO SUBMIT A JOINTING PLAN TO THE CONSTRUCTION MANAGER PRIOR TO THE BEGINNING OF ANY PAVING WORK.

PAVING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE CONSTRUCTION AND PAVING NEAR THE SCREENING WALLS AND THE DUMPSTER PADS.

ALL DISCREPANCIES FOUND BY CONTRACTOR RELATED TO UNDERGROUND UTILITIES OR OTHER APPURTENANCES SHALL BE RESOLVED TO THE SATISFACTION OF OWNER AND ENGINEER PRIOR TO PLACEMENT OF ANY PAVING. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN SUBGRADE OF AREAS TO BE PAVED, AND NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND PRIOR TO INSTALLATION OF ANY PAVING.

EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, RE-ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.

ALL JOINTS SHALL EXTEND THROUGH THE CURB.

COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

ALL PAVEMENT TO BE SLOPED FOR POSITIVE DRAINAGE.

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW

© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:									
NO.	DATE	BY	CHKD	REVISION	NO.	DATE	BY	CHKD	REVISION
1	10/19/23	JUB	TKS	GSWCC COMMENTS	2	12/12/23	JUB	TKS	RABIN COUNTY COMMENTS
3	01/18/24	JUB	TKS	DRAINAGE REVISION	4	03/11/24	TAA	TKS	BID SET

CLIENT: **RaceTrac**

RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT: **RACETRAC - CLAYTON**
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

SEAL:

PRELIMINARY

KYLE SHARE

3/12/2024

CALL BEFORE YOU DIG

811

Know what's below.
Call before you dig.

SCALE & NORTH ARROW:

NORTH ARROW

SCALE: 1" = 30'

DESIGN INFO:

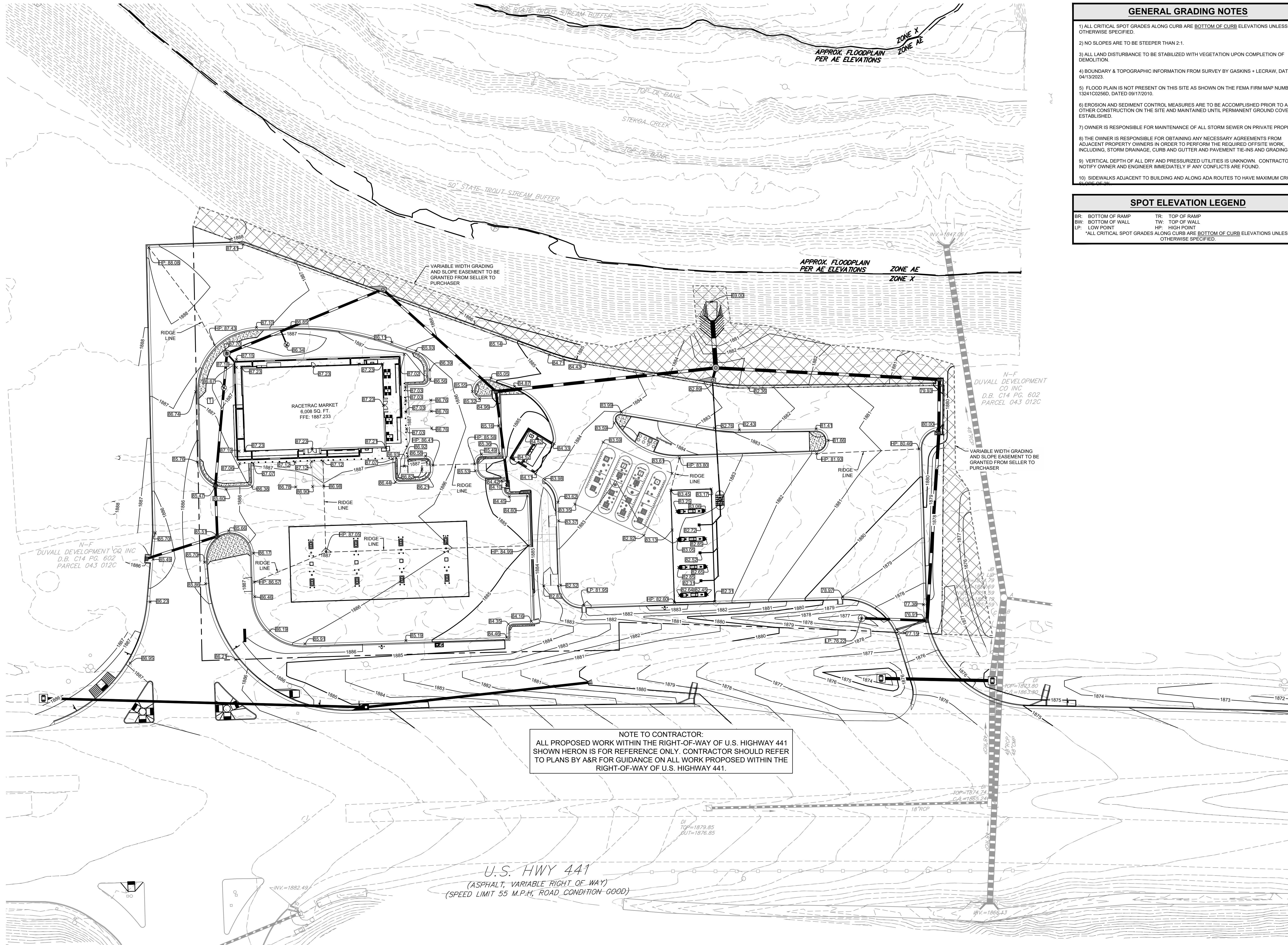
DRAWN BY: JUB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

PAVING PLAN

C-1.2

SHEET NO. REV.

Drawing name: C:\Users\landerson\Gaskins+LeCraw Dropbox\Shared Folders\Engineering\005062 - RaceTrac - Clayton, GA (441 @ Private Drive)\CAADD\CONSTR\005062 - 07 - GRADING.dwg C-2.1 Mar 12, 2024 9:16am by: landerson



GENERAL GRADING NOTES

- 1) ALL CRITICAL SPOT GRADES ALONG CURB ARE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE SPECIFIED.
- 2) NO SLOPES ARE TO BE STEEPER THAN 2:1.
- 3) ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
- 4) BOUNDARY & TOPOGRAPHIC INFORMATION FROM SURVEY BY GASKINS + LECRAW, DATED 04/13/2023.
- 5) FLOOD PLAIN IS NOT PRESENT ON THIS SITE AS SHOWN ON THE FEMA FIRM MAP NUMBER 13241C0256D, DATED 09/17/2010.
- 6) EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 7) OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL STORM SEWER ON PRIVATE PROPERTY.
- 8) THE OWNER IS RESPONSIBLE FOR OBTAINING ANY NECESSARY AGREEMENTS FROM ADJACENT PROPERTY OWNERS IN ORDER TO PERFORM THE REQUIRED OFFSITE WORK, INCLUDING, STORM DRAINAGE, CURB AND GUTTER AND PAVEMENT TIE-INS AND GRADING.
- 9) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.
- 10) SIDEWALKS ADJACENT TO BUILDING AND ALONG ADA ROUTES TO HAVE MAXIMUM CROSS SLOPE OF 2%.

SPOT ELEVATION LEGEND

BR: BOTTOM OF RAMP TR: TOP OF RAMP
BW: BOTTOM OF WALL TW: TOP OF WALL
LP: LOW POINT HP: HIGH POINT
*ALL CRITICAL SPOT GRADES ALONG CURB ARE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE SPECIFIED.

PREPARED IN THE OFFICE OF:



© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecraw.com
P-2646

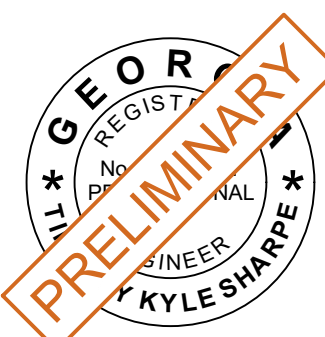
REVISIONS:

REV #	DATE	CHKD BY	DATE	CHKD BY
1	10/19/23	JUB	10/19/23	JUB
2	12/12/23	JUB	12/12/23	JUB
3	01/18/24	JUB	01/18/24	JUB
4	03/11/24	TAA	03/11/24	TAA

THESE PLANS ARE SUBJECT TO FEDERAL AND STATE LAWS. ANY USE OF ANY OF THE SAME WITHOUT THE WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

CLIENT: **RaceTrac**
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT: **RACETRAC - CLAYTON**
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

SEAL:

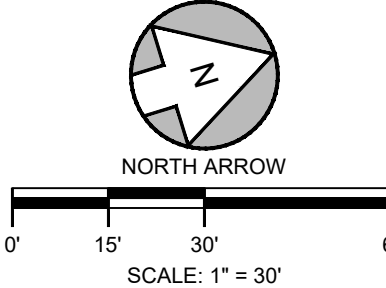


CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



DESIGN INFO:

DRAWN BY: JUB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

GRADING PLAN

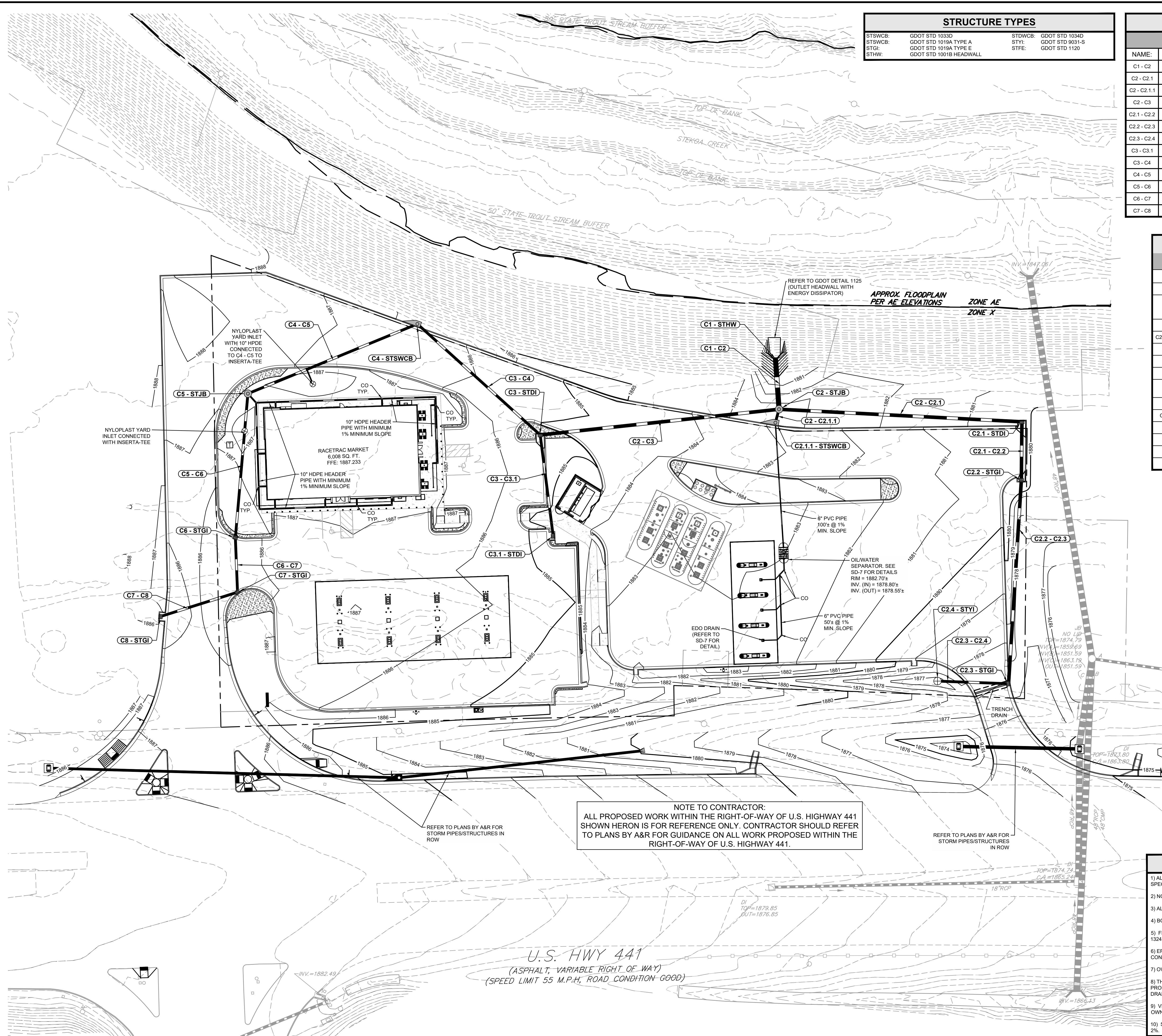
C-2.1

SHEET NO. REV.

NOTE TO CONTRACTOR:
ALL PROPOSED WORK WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441 SHOWN HERON IS FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER TO PLANS BY A&R FOR GUIDANCE ON ALL WORK PROPOSED WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 441.

U.S. HWY 441
(ASPHALT, VARIABLE RIGHT OF WAY)
(SPEED LIMIT 55 M.P.H., ROAD CONDITION GOOD)

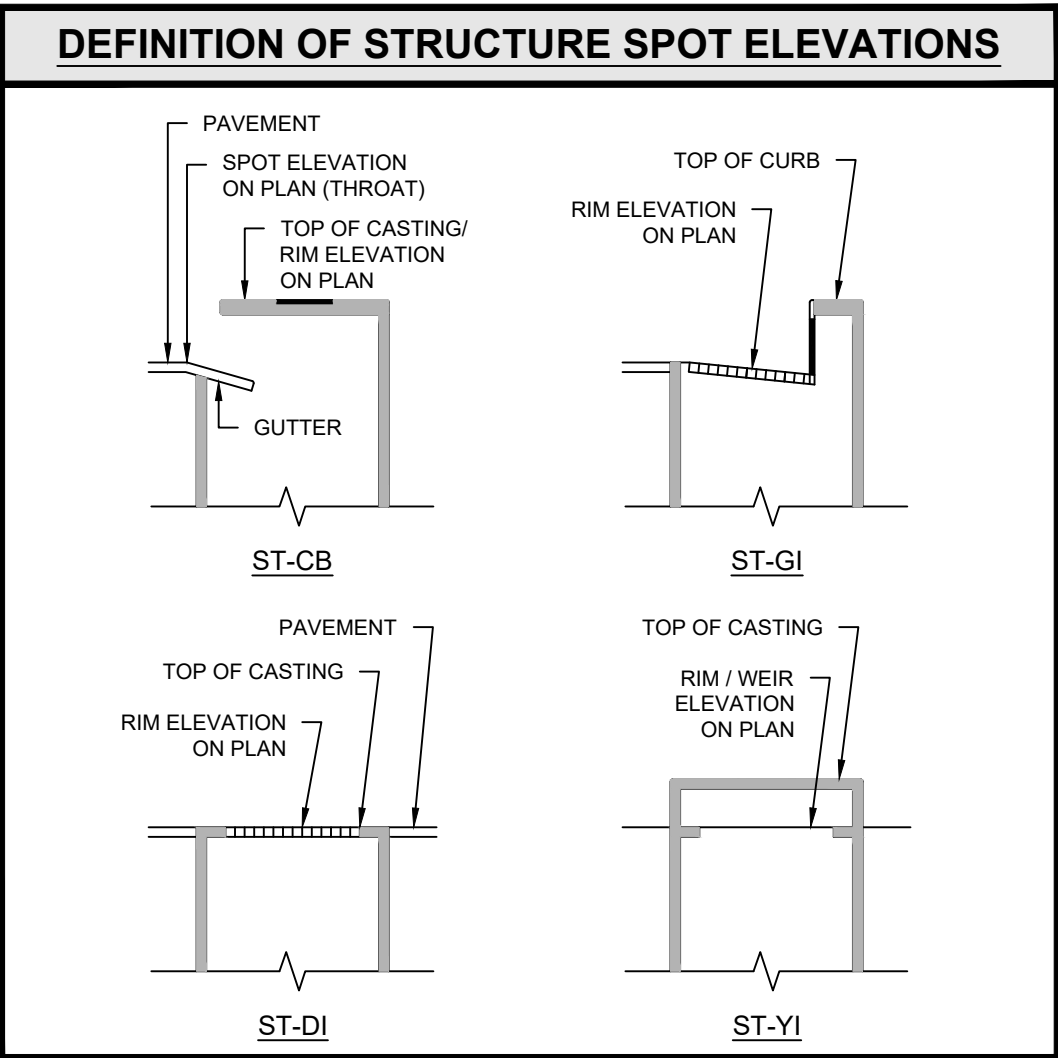
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STRUCTURE TYPES			
STSWCB:	GDOT STD 1033D	STWCB:	GDOT STD 1034D
STSWCB:	GDOT STD 1019A TYPE A	STYI:	GDOT STD 9031-S
STGI:	GDOT STD 1019A TYPE E	STFE:	GDOT STD 1120
STHW:	GDOT STD 1001B HEADWALL		

PIPE CHART						
STORM PIPES						
NAME:	SIZE:	LENGTH:	SLOPE:	INV UP:	INV DOWN:	MATERIAL:
C1 - C2	36"	33.54	1.00%	1870.00 (C2 - STJB)	1869.66 (C1 - STHW)	HDPE
C2 - C2.1	24"	160.51	0.75%	1871.23 (C2.1 - STDI)	1870.03 (C2 - STJB)	HDPE
C2 - C2.1.1	18"	9.18	5.00%	1878.46 (C2.1.1 - STSWCB)	1878.00 (C2 - STJB)	HDPE
C2 - C3	24"	158.52	1.00%	1877.85 (C3 - STDI)	1876.26 (C2 - STJB)	HDPE
C2.1 - C2.2	24"	38.73	0.75%	1871.52 (C2.2 - STGI)	1871.23 (C2.1 - STDI)	HDPE
C2.2 - C2.3	24"	134.44	0.75%	1872.53 (C2.3 - STGI)	1871.52 (C2.2 - STGI)	HDPE
C2.3 - C2.4	18"	46.92	1.00%	1873.00 (C2.4 - STYI)	1872.53 (C2.3 - STGI)	HDPE
C3 - C3.1	18"	67.33	3.00%	1880.02 (C3.1 - STDI)	1878.00 (C3 - STDI)	HDPE
C3 - C4	18"	109.26	1.00%	1878.94 (C4 - STSWCB)	1877.85 (C3 - STDI)	HDPE
C4 - C5	18"	120.93	1.00%	1880.15 (C5 - STJB)	1878.94 (C4 - STSWCB)	HDPE
C5 - C6	18"	95.37	1.00%	1881.10 (C6 - STGI)	1880.15 (C5 - STJB)	HDPE
C6 - C7	18"	36.08	1.00%	1881.47 (C7 - STGI)	1881.11 (C6 - STGI)	HDPE
C7 - C8	18"	53.37	1.00%	1882.00 (C8 - STGI)	1881.47 (C7 - STGI)	HDPE

STRUCTURE CHART					
STORM STRUCTURES					
NAME:	TYPE:	STATION:	RIM:	INV IN: (PIPE)	INV OUT: (PIPE)
C1 - STHW	HEADWALL	0+00.00	1877.09	1869.66 (C1 - C2)	
C2 - STJB	JUNCTION BOX	0+33.54	1883.11	1876.26 (C2 - C3) 1870.03 (C2 - C2.1) 1878.00 (C2 - C2.1.1)	1870.00 (C1 - C2)
C2.1 - STDI	GRATE INLET	1+60.51	1879.76	1871.23 (C2.1 - C2.2)	1871.23 (C2 - C2.1)
C2.1.1 - STSWCB	SINGLE WING	0+09.18	1883.35		1878.46 (C2 - C2.1.1)
C2.2 - STGI	GRATE INLET	1+99.25	1879.84	1871.52 (C2.2 - C2.3)	1871.52 (C2.1 - C2.2)
C2.3 - STGI	GRATE INLET	3+33.69	1876.91	1872.53 (C2.3 - C2.4)	1872.53 (C2.2 - C2.3)
C2.4 - STYI	YARD INLET	3+80.60	1876.22		1873.00 (C2.3 - C2.4)
C3 - STDI	GRATE INLET	1+92.07	1884.95	1877.85 (C3 - C4) 1878.00 (C3 - C3.1)	1877.85 (C2 - C3)
C3.1 - STDI	GRATE INLET	0+67.33	1884.22		1880.02 (C3 - C3.1)
C4 - STSWCB	SINGLE WING	3+01.33	1886.86	1878.94 (C4 - C5)	1878.94 (C3 - C4)
C5 - STJB	JUNCTION BOX	4+22.26	1887.70	1880.15 (C5 - C6)	1880.15 (C4 - C5)
C6 - STGI	GRATE INLET	5+17.63	1885.47	1881.11 (C6 - C7)	1881.10 (C5 - C6)
C7 - STGI	GRATE INLET	5+53.71	1885.51	1881.47 (C7 - C8)	1881.47 (C6 - C7)
C8 - STGI	GRATE INLET	6+07.08	1885.47		1882.00 (C7 - C8)



- GENERAL GRADING NOTES**
- 1) ALL CRITICAL SPOT GRADES ALONG CURBS ARE EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE SPECIFIED.
 - 2) NO SLOPES ARE TO BE STEEPER THAN 2:1.
 - 3) ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
 - 4) BOUNDARY & TOPOGRAPHIC INFORMATION FROM SURVEY BY GASKINS + LECRAW, DATED 04/13/2023.
 - 5) FLOOD PLAIN IS NOT PRESENT ON THIS SITE AS SHOWN ON THE FEMA FIRM MAP NUMBER 13241C0256D, DATED 09/17/2010.
 - 6) EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 - 7) OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL STORM SEWER ON PRIVATE PROPERTY.
 - 8) THE OWNER IS RESPONSIBLE FOR OBTAINING ANY NECESSARY AGREEMENTS FROM ADJACENT PROPERTY OWNERS IN ORDER TO PERFORM THE REQUIRED OFFSITE WORK, INCLUDING, STORM DRAINAGE, CURB AND GUTTER AND PAVEMENT TIE-INS AND GRADING.
 - 9) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.
 - 10) SIDEWALKS ADJACENT TO BUILDING AND ALONG ADA ROUTES TO HAVE MAXIMUM CROSS SLOPE OF 2%.

PREPARED IN THE OFFICE OF:



REVISIONS:

REV #	DATE	DESCRIPTION	BY	CHKD
1	10/19/23	JUB	TKS	
2	12/12/23	JUB	TKS	
3	07/18/24	JUB	TKS	
4	03/11/24	TAA	TKS	

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CLIENT
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

SEAL:



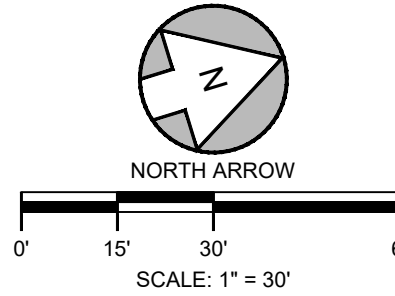
3/12/2024

CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



DESIGN INFO:

DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024
DRAINAGE PLAN	
C-2.2	
SHEET NO.	REV.

Drawing name: C:\User\landerson\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\005062 - RaceTrac - Clayton, GA (441 @ Private Drive)\CADD\CONSTR\005062 - 08 - UTILITY.dwg C-3.1 Mar 12, 2024 9:15am by: landerson

- GENERAL UTILITY NOTES**
- 1.) CONTRACTOR TO NOTIFY OWNER/DEVELOPER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS DIFFER FROM DESIGN ASSUMPTIONS.
 - 2.) LOCATION OF UNDERGROUND UTILITIES SHOWN IS BASED ON A SURVEY BY GASKINS + LECRAW, DATED 04/13/2023. APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED FOR VERIFICATION OF LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITY.
 - 3.) MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES.
 - 4.) REFER TO ARCH/MEP PLANS FOR ON SITE UTILITY CONDUITS FOR SITE LIGHTING, ETC. AND UTILITY ENTRY AND EXIT LOCATIONS
 - 5.) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.

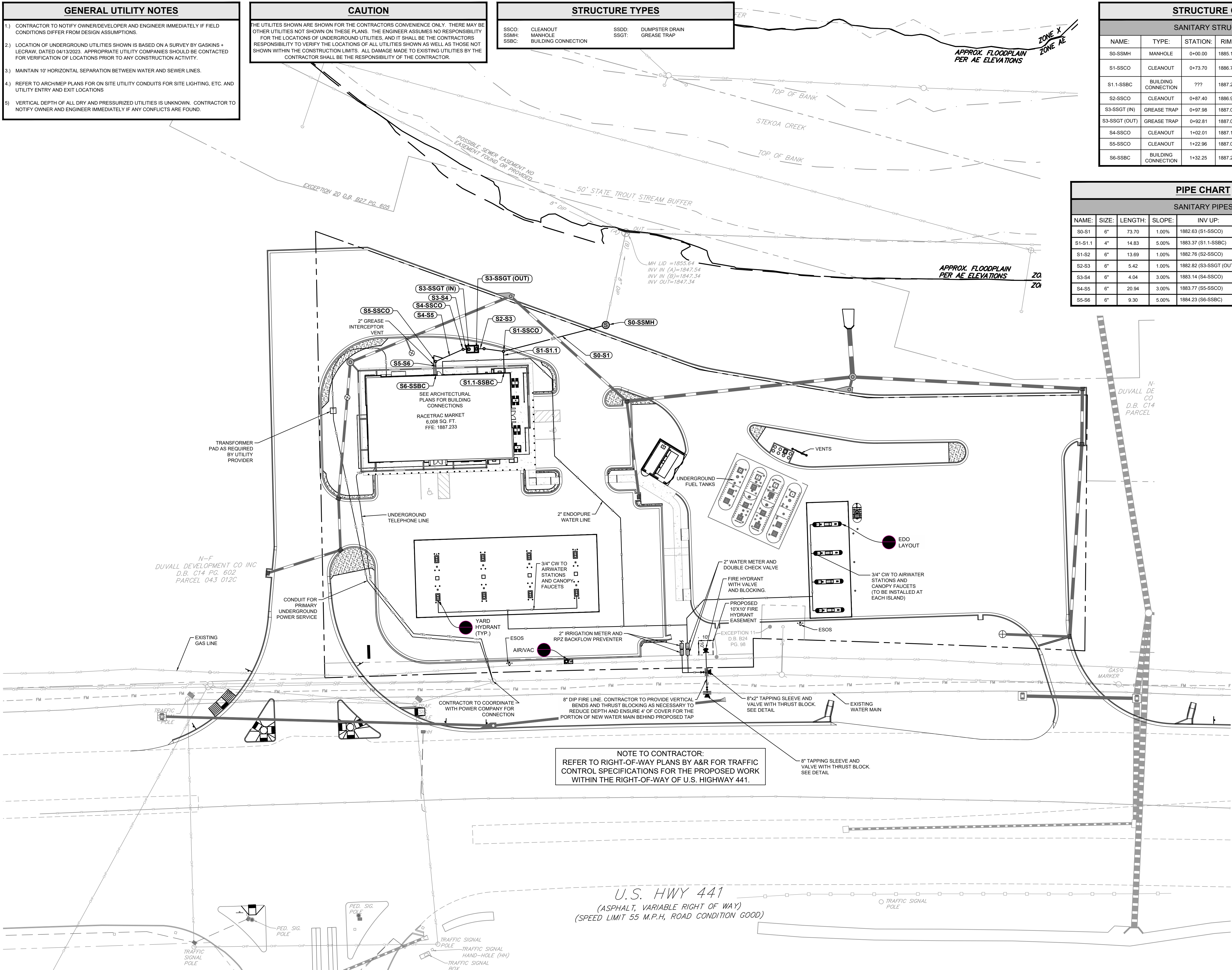
CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UNDERGROUND UTILITIES, AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES SHOWN AS WELL AS THOSE NOT SHOWN WITHIN THE CONSTRUCTION LIMITS. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

STRUCTURE TYPES			
SSCO:	CLEANOUT	SSDD:	DUMPSTER DRAIN
SSMH:	MANHOLE	SSGT:	GREASE TRAP
SSBC:	BUILDING CONNECTION		

STRUCTURE CHART					
SANITARY STRUCTURES					
NAME:	TYPE:	STATION:	RIM:	INV IN: (PIPE)	INV OUT: (PIPE)
S0-SSMH	MANHOLE	0+00.00	1885.15	1881.89 (S0-S1)	
S1-SSCO	CLEANOUT	0+73.70	1886.78	1882.63 (S1-S2) 1882.63 (S1-S1.1)	1882.63 (S0-S1)
S1.1-SSBC	BUILDING CONNECTION	???	1887.23		1883.37 (S1-S1.1)
S2-SSCO	CLEANOUT	0+87.40	1886.96	1882.76 (S2-S3)	1882.76 (S1-S2)
S3-SSGT (IN)	GREASE TRAP	0+97.98	1887.05	1883.02 (S3-S4)	
S3-SSGT (OUT)	GREASE TRAP	0+92.81	1887.02		1882.82 (S2-S3)
S4-SSCO	CLEANOUT	1+02.01	1887.10	1883.14 (S4-S5)	1883.14 (S3-S4)
S5-SSCO	CLEANOUT	1+22.96	1887.03	1883.77 (S5-S6)	1883.77 (S4-S5)
S6-SSBC	BUILDING CONNECTION	1+32.25	1887.23		1884.23 (S5-S6)

PIPE CHART						
SANITARY PIPES						
NAME:	SIZE:	LENGTH:	SLOPE:	INV UP:	INV DOWN:	MATERIAL:
S0-S1	6"	73.70	1.00%	1882.63 (S1-SSCO)	1881.89 (S0-SSMH)	PVC
S1-S1.1	4"	14.83	5.00%	1883.37 (S1.1-SSBC)	1882.63 (S1-SSCO)	PVC
S1-S2	6"	13.69	1.00%	1882.76 (S2-SSCO)	1882.63 (S1-SSCO)	PVC
S2-S3	6"	5.42	1.00%	1882.82 (S3-SSGT (OUT))	1882.76 (S2-SSCO)	PVC
S3-S4	6"	4.04	3.00%	1883.14 (S4-SSCO)	1883.02 (S3-SSGT (IN))	PVC
S4-S5	6"	20.94	3.00%	1883.77 (S5-SSCO)	1883.14 (S4-SSCO)	PVC
S5-S6	6"	9.30	5.00%	1884.23 (S6-SSBC)	1883.77 (S5-SSCO)	PVC



PREPARED IN THE OFFICE OF:



REVISIONS:

REV #	DATE	CHKD BY	APP'D BY
1	10/19/23	JJB	TKS
2	12/12/23	JJB	TKS
3	01/18/24	JJB	TKS
4	03/12/24	JJB	TKS

THESE PLANS ARE SUBJECT TO FEDERAL RIGHT OF WAY LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.



CLIENT: RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT: RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

SEAL:

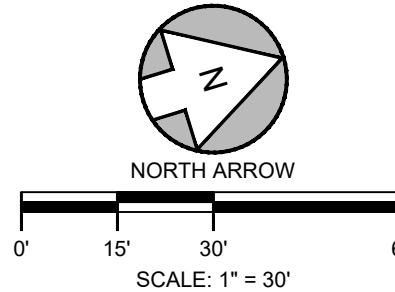


CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



DESIGN INFO:

DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

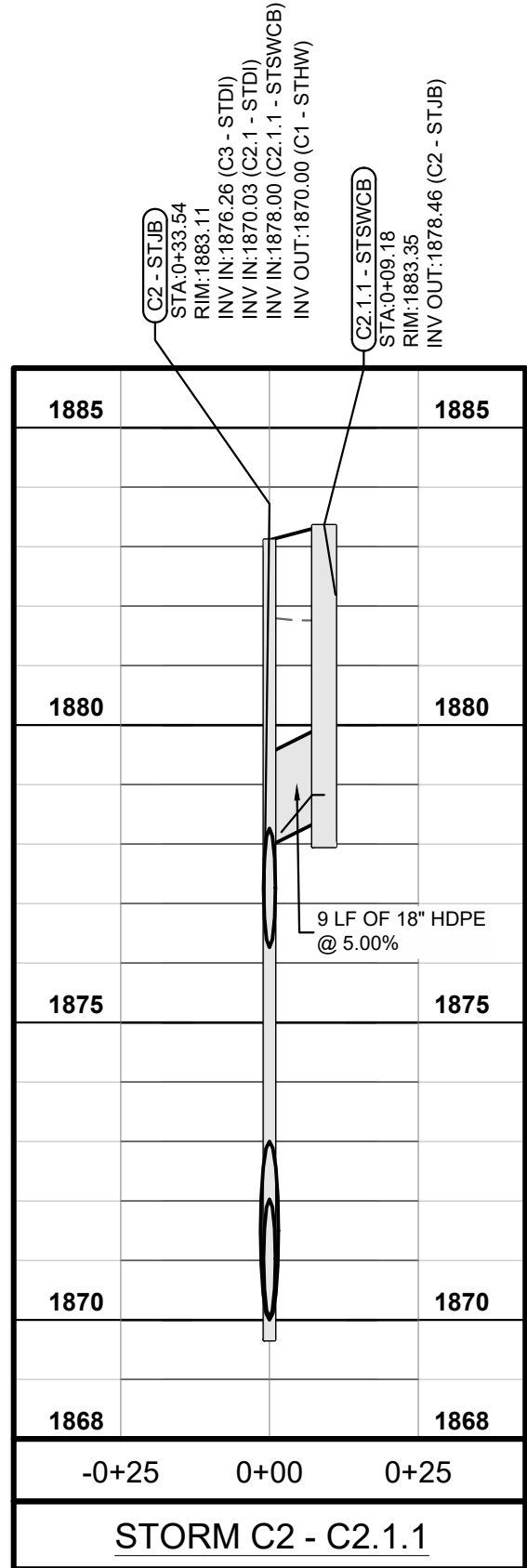
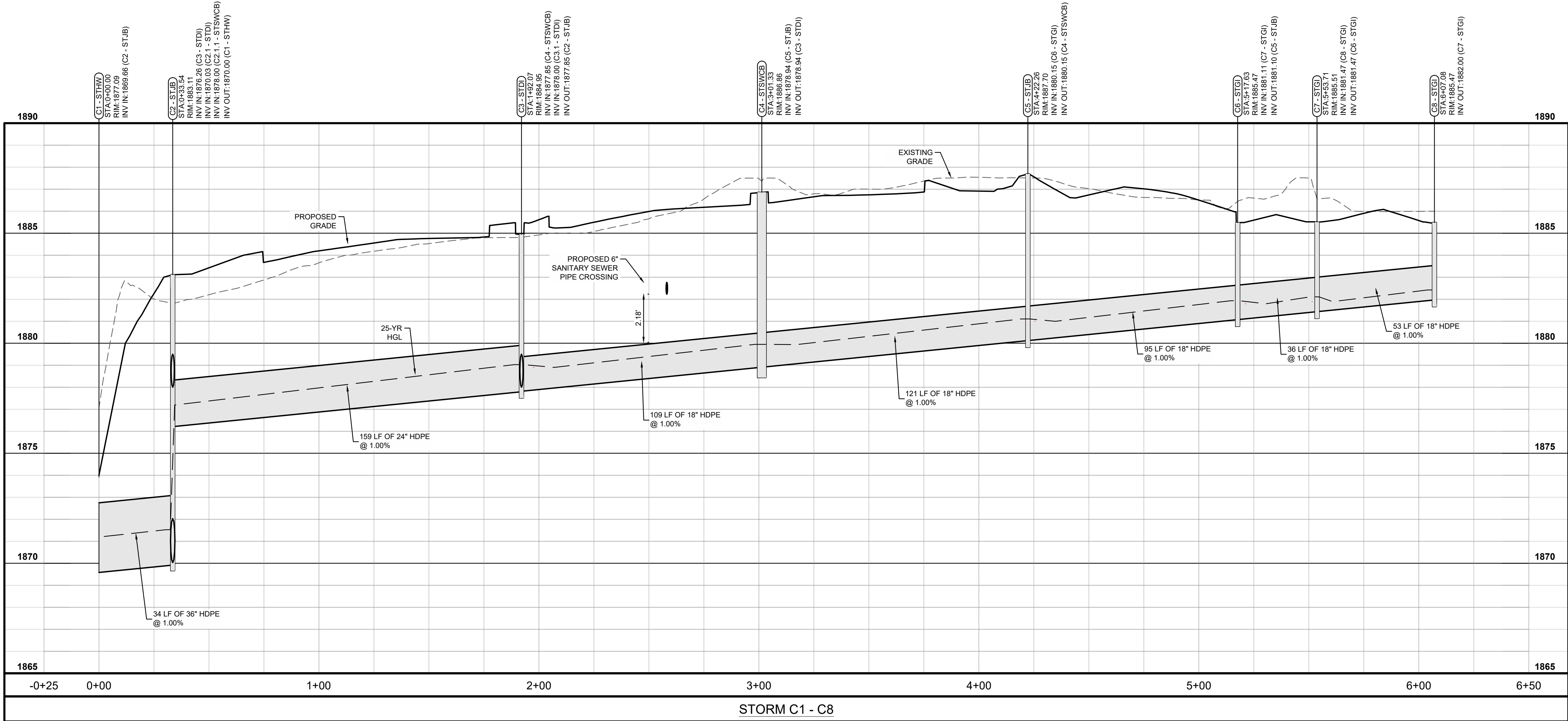
UTILITY PLAN

C-3.1

SHEET NO.

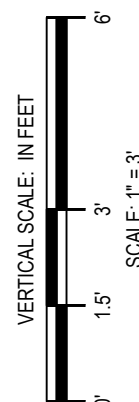
REV.

Drawing name: C:\Users\landerson\Gaskins+LeCraw Dropbox\Shared Folders\Engineering\005682 - Racetrac - Clayton, GA (441 @ Private Drive)\CAUD\CONSTR\005682 - 09 - PROFILES.dwg C-4.1 Mar 12, 2024 9:16am by landerson



PROFILE LEGEND	
EXISTING GRADE:	-----
PROPOSED GRADE:	—————
25 YR. HGL:	-----

STRUCTURE TYPES	
STSWCB:	GDOT STD 1033D
STD:	GDOT STD 1019A TYPE A
STGI:	GDOT STD 1019A TYPE E
STHW:	GDOT STD 1001B HEADWALL
STDWCB:	GDOT STD 1034D
STH:	GDOT STD 9031-S
STFE:	GDOT STD 1120



DESIGN INFO:	
DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

STORM PROFILES	
C-4.1	REV.

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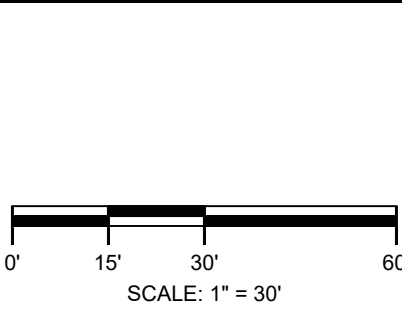
CLIENT
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CITY OF CLAYTON, RABIN COUNTY, GEORGIA

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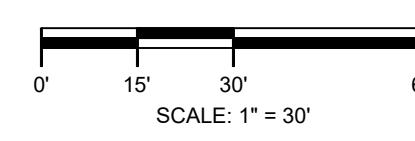
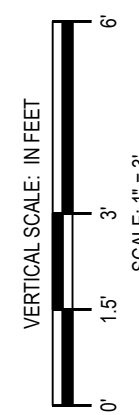
DESIGN INFO:	
DRAWN BY:	JJB
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REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

STORM PROFILES	
C-4.1	REV.

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW
© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:	
REV #	DATE
4	10/19/23
3	10/19/23
2	10/19/23
1	10/19/23



STRUCTURE TYPES			
STSWCB:	GDOT STD 1033D	STDWCB:	GDOT STD 1034D
STDI:	GDOT STD 1018A TYPE A	STYI:	GDOT STD 9031-S
STGH:	GDOT STD 1018A TYPE E	STFE:	GDOT STD 1120
STHW:	GDOT STD 1001B HEADWALL		

CLIENT

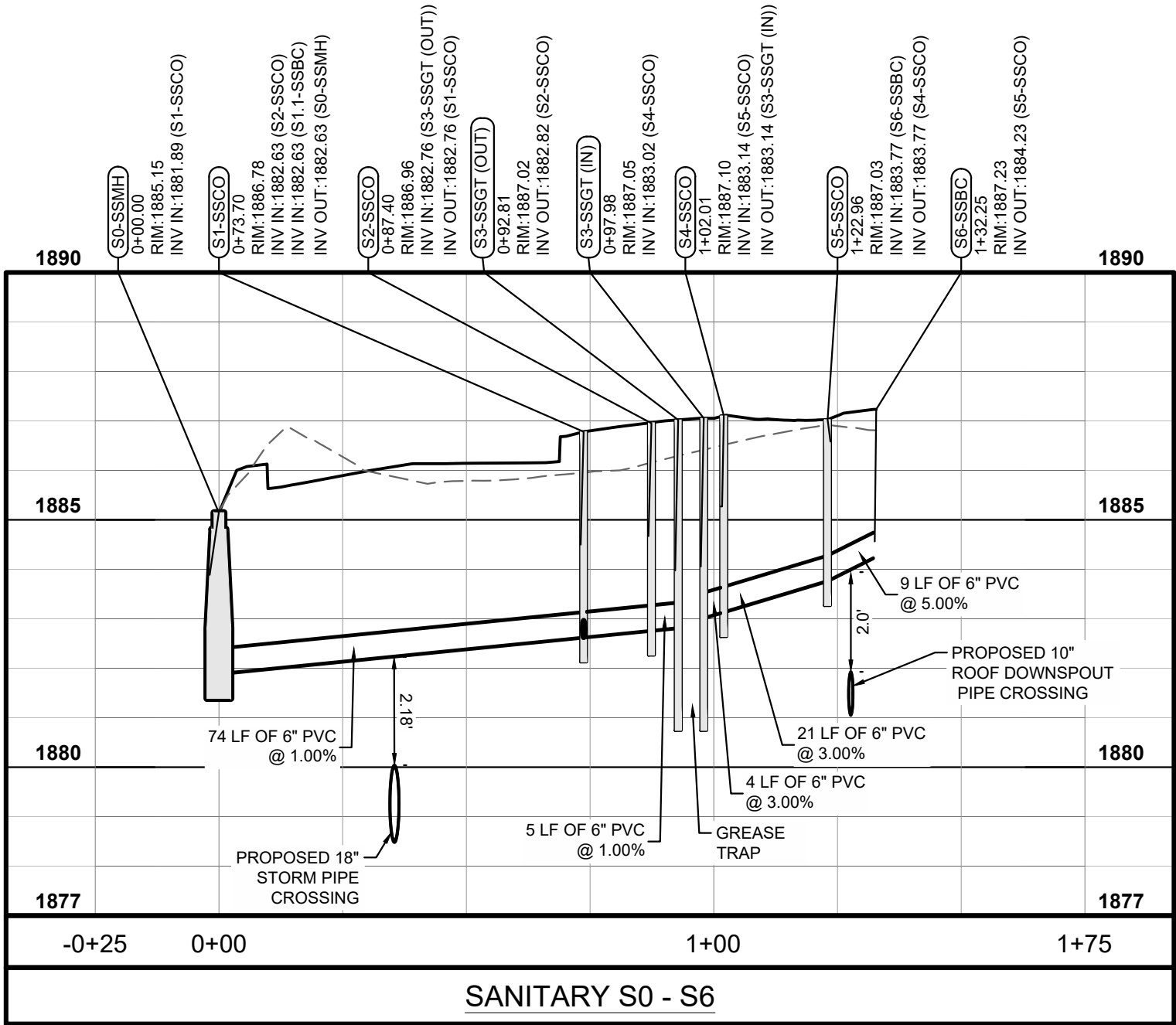


RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT

RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043.012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:	
3/12/2024	
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SCALE & NORTH ARROW:	
DESIGN INFO:	
DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024
STORM PROFILES	
C-4.2	
SHEET NO.	REV.



PROFILE LEGEND

EXISTING GRADE: - - - - -
PROPOSED GRADE: _____

STRUCTURE TYPES

SSCO: CLEANOUT
SSMH: MANHOLE
SSBC: BUILDING CONNECTION
SSDD: DUMPSTER DRAIN
SSGT: GREASE TRAP

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW
© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:

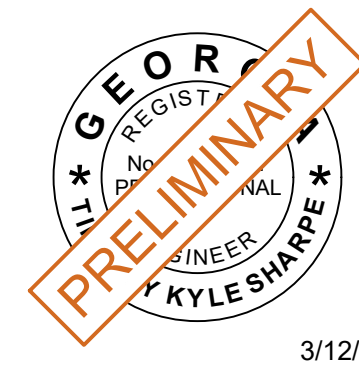
REV #	DATE	BY	CHECKED	DESCRIPTION
4	10/19/23	JJB	TKS	BID SET
3	12/7/23	JJB	TKS	DRAINAGE REVISION
2	10/19/23	JJB	TKS	RABIN COUNTY COMMENTS
1	10/19/23	JJB	TKS	GSVCC COMMENTS

THESE PLANS ARE SUBJECT TO FEDERAL AND STATE LAWS. ANY USE OF ANY OF THESE PLANS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.



CLIENT: RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT: RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

SEAL:



3/12/2024

CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:



DESIGN INFO:

DRAWN BY: JJB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

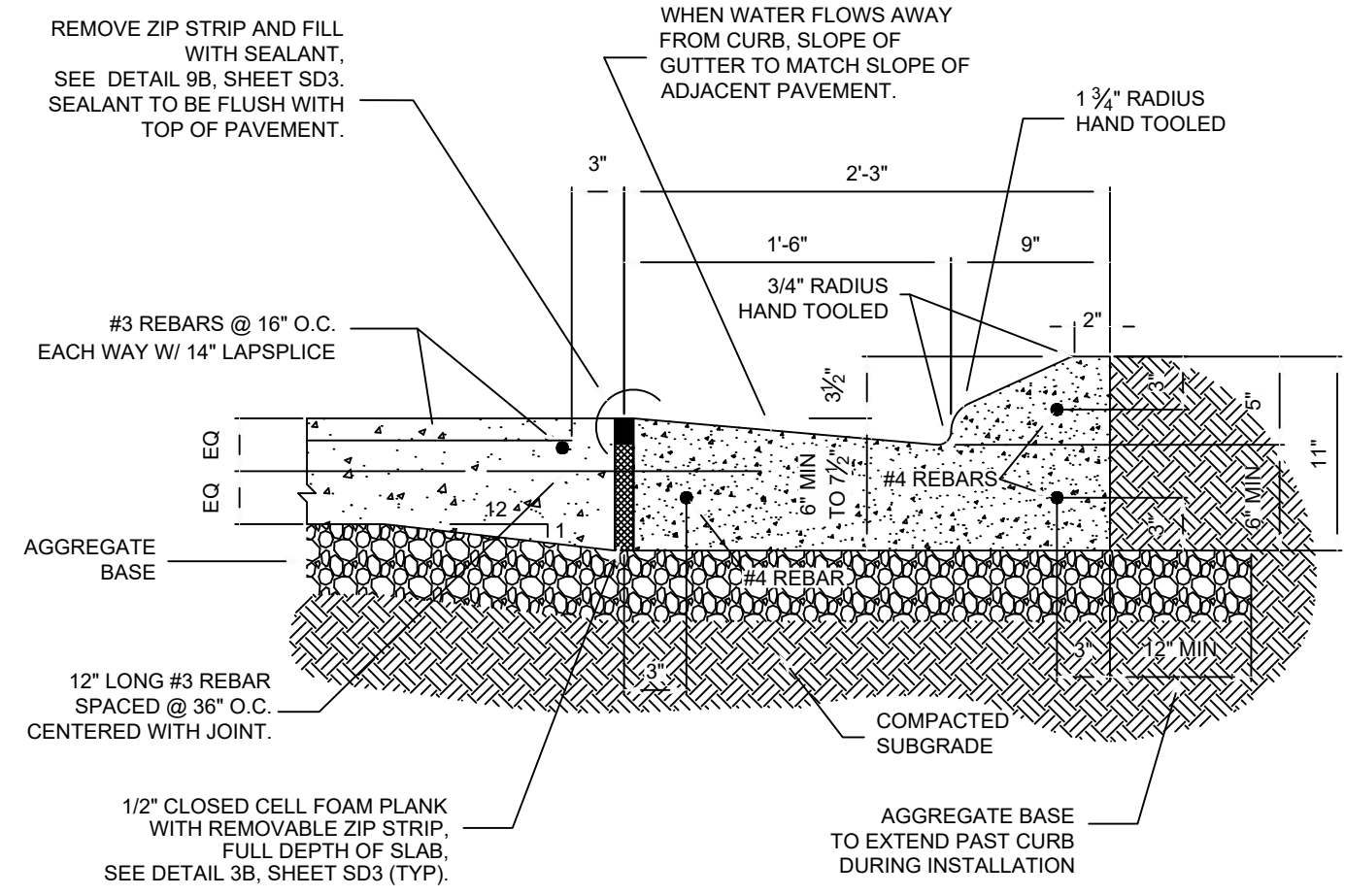
SANITARY PROFILES

C-4.3

SHEET NO.

REV.

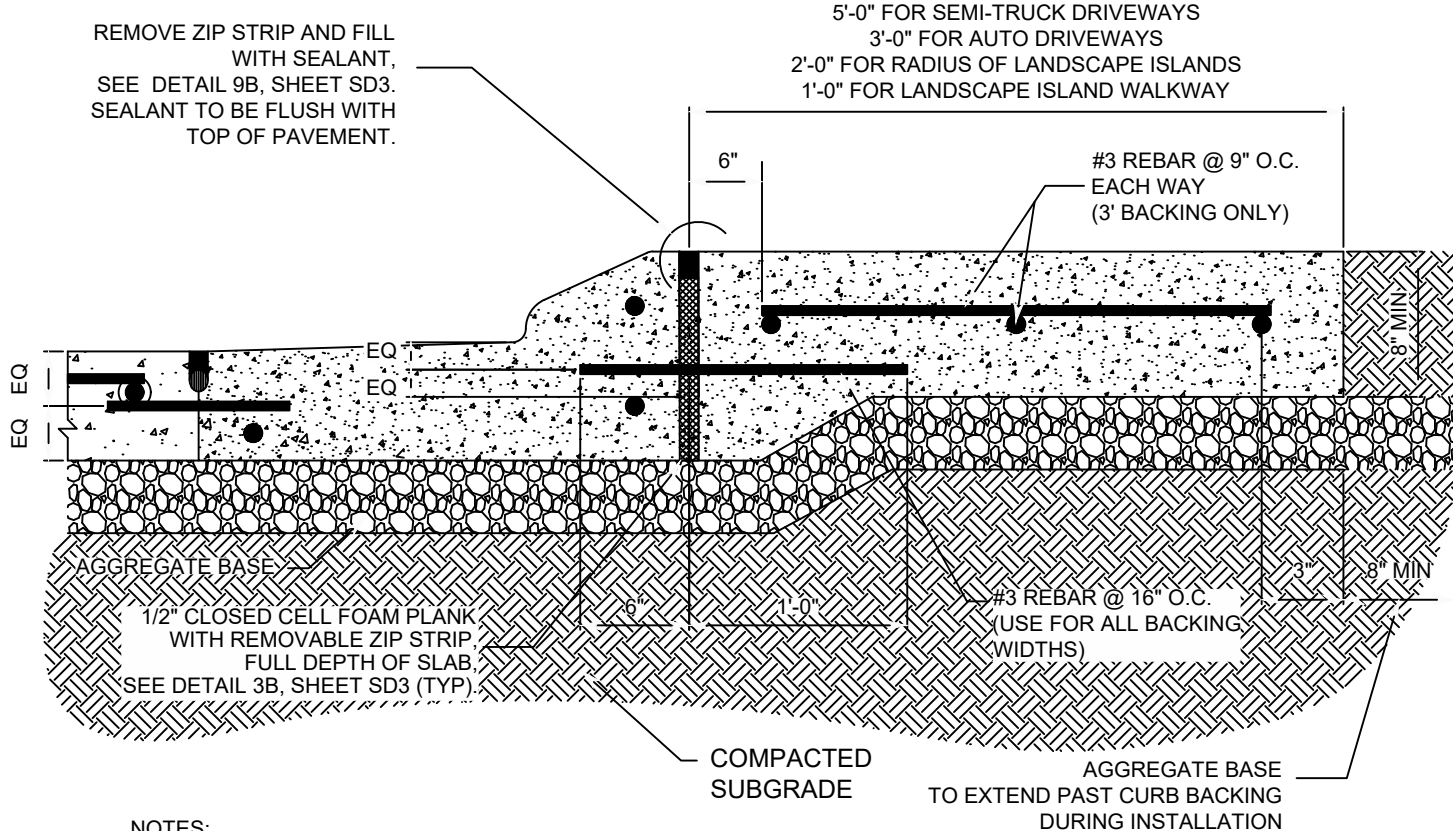
Drawing name: C:\Users\landerson\Gaskins+LeCraw Dropbox\Shared Folders\Engineering\005062 - RaceTrac - Clayton, GA (441) @ Private Drive\CAD\CONSTR\005062 - 10 - DETAILS.dwg SD-1 Mar 12, 2024 9:17am by landerson



- NOTES:
1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3.
 4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.

1 CATCH CURB DETAIL @ CONCRETE SLAB

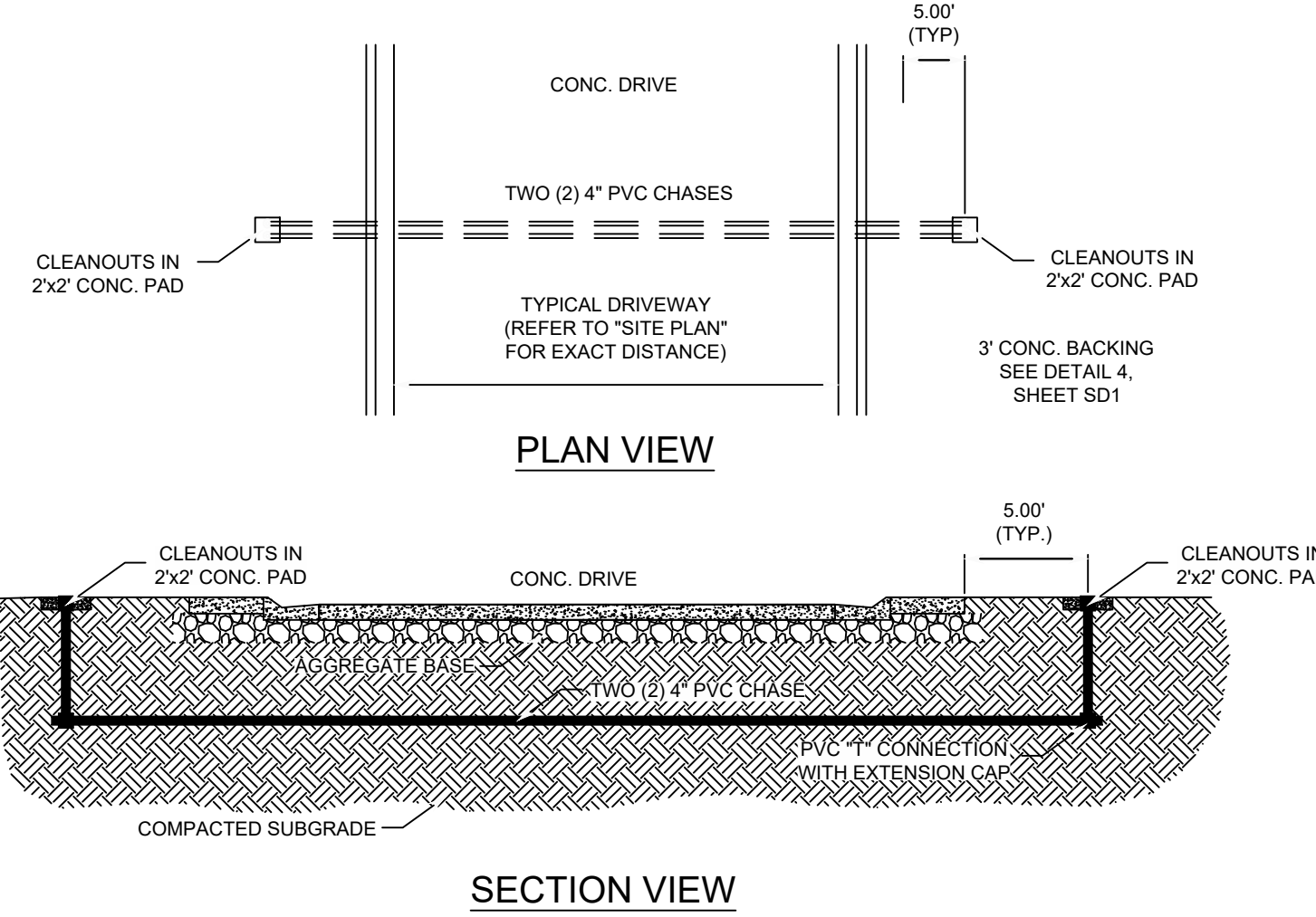
SD1 NTS



- NOTES:
1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP. FILL JOINTS WITH PAVEMENT SEALANT PER DETAIL 3B, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 4. CURB BACKING WIDTHS:
 - A. THREE (3) FOOT BACKING IS TO BE USED ALONG THE RADIUS OF DRIVEWAYS AND IS STRUCTURALLY REINFORCED WITH #3 REBARS @ 9" O.C. EACH WAY.
 - B. TWO (2) FOOT BACKING IS TO BE USED ALONG THE RADIUS OF LANDSCAPE ISLANDS WITHIN HIGH TRAFFIC AREAS. TWO (2) FOOT BACKING IS NOT STRUCTURALLY REINFORCED.
 - C. ONE (1) FOOT BACKING IS TO BE USED AS A PEDESTRIAN WALKWAY WITHIN LANDSCAPE ISLANDS. ONE (1) FOOT BACKING IS NOT STRUCTURALLY REINFORCED.
 5. SEE PAVING PLAN FOR EXACT LOCATIONS OF CURB BACKING.

5 CONCRETE BACKING FOR ON-SITE CURB

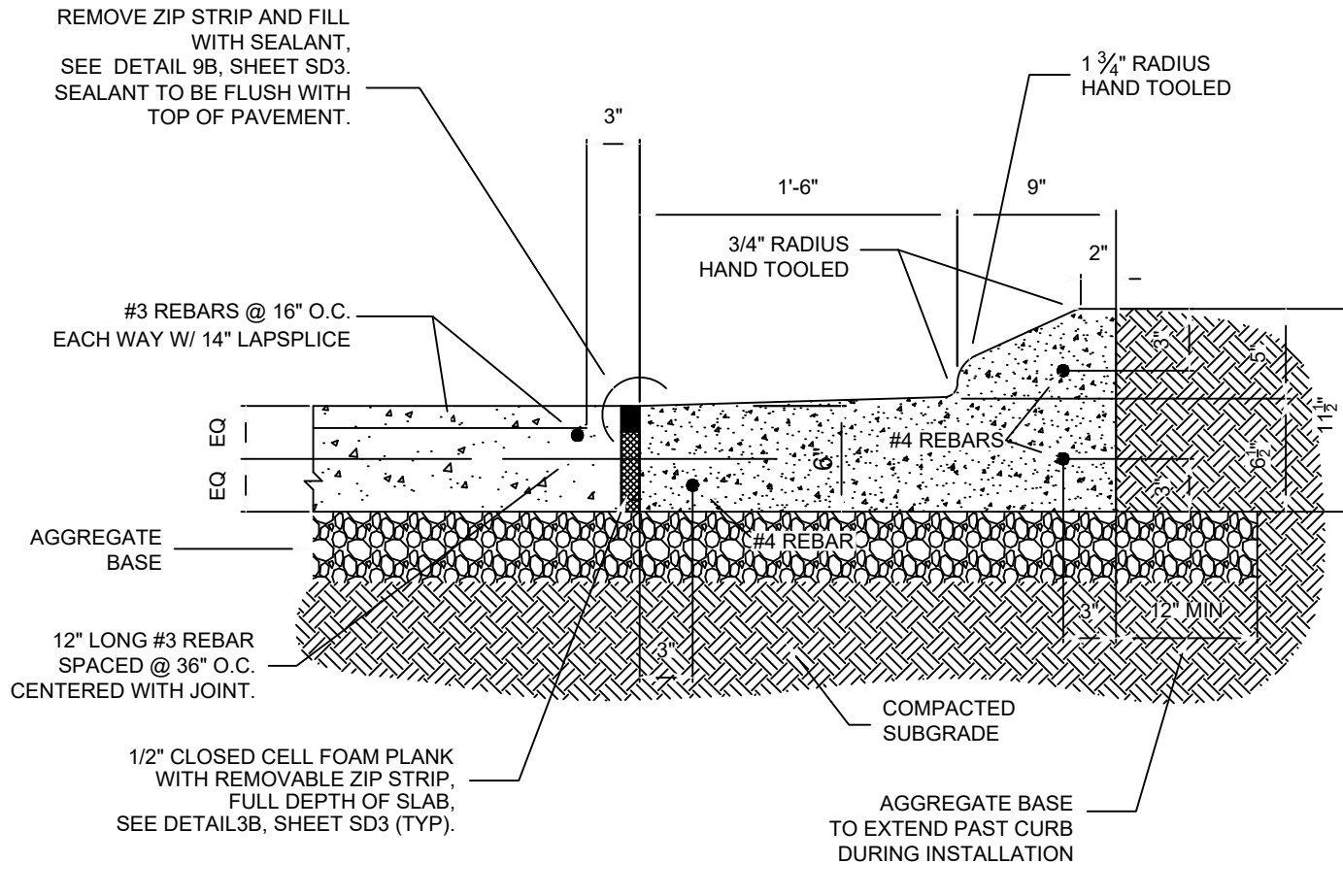
SD1 NTS



- NOTES:
1. PVC CHASE TO BE PLACED UNDER ALL DRIVEWAYS. REFER TO "SITE PLAN" FOR EXACT LOCATIONS.
 2. CHASES ARE NOT TO BE USED FOR IRRIGATION INSTALLED WITH THIS DEVELOPMENT. IRRIGATION SLEEVES WILL BE SEPARATE.
 3. REFER TO "UTILITY PLAN" AND IRRIGATION PLAN FOR IRRIGATION SLEEVE LOCATIONS.

9 PVC CHASE DETAIL

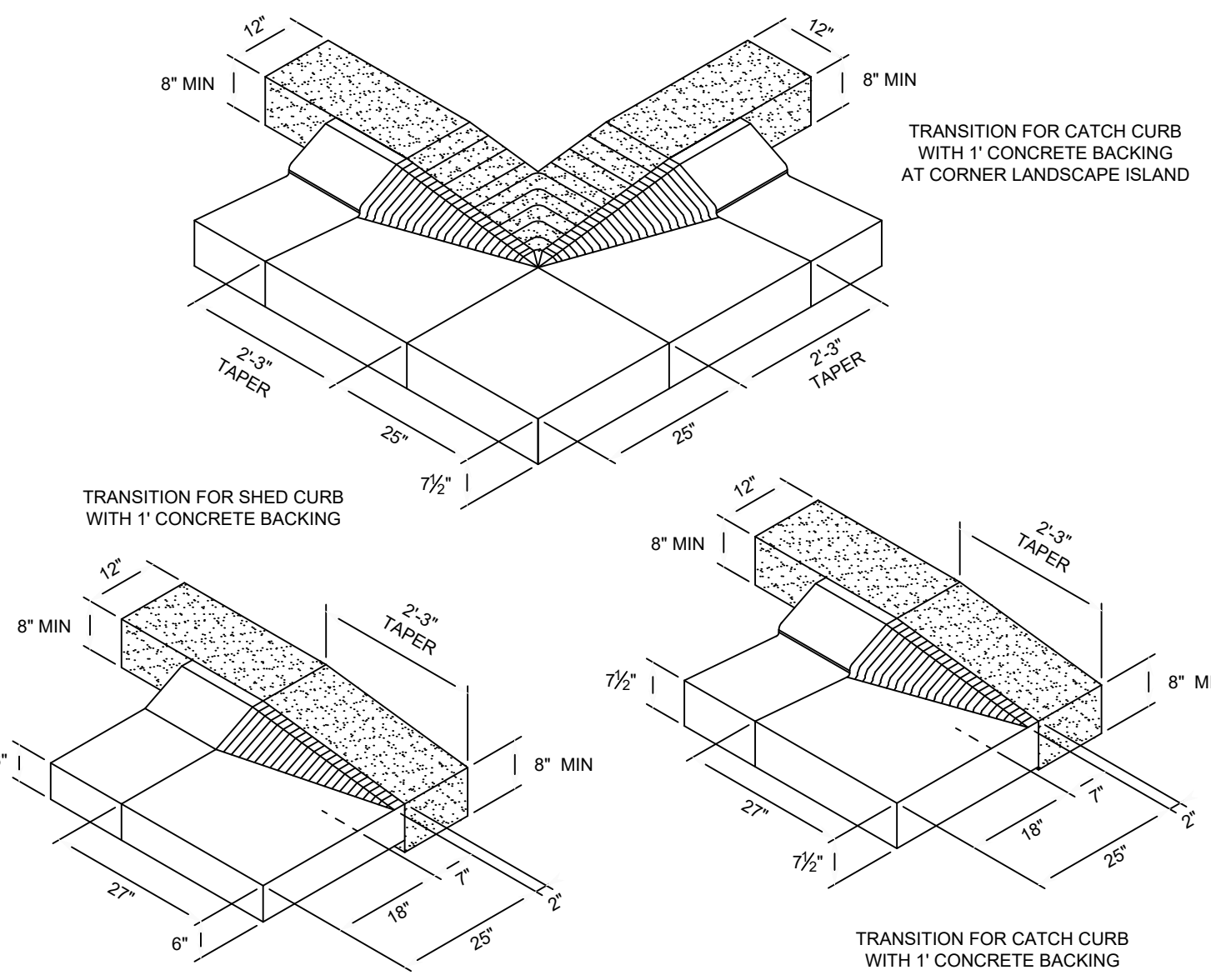
SD1 NTS



- NOTES:
1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3.
 4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 5. USE THIS DETAIL WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.

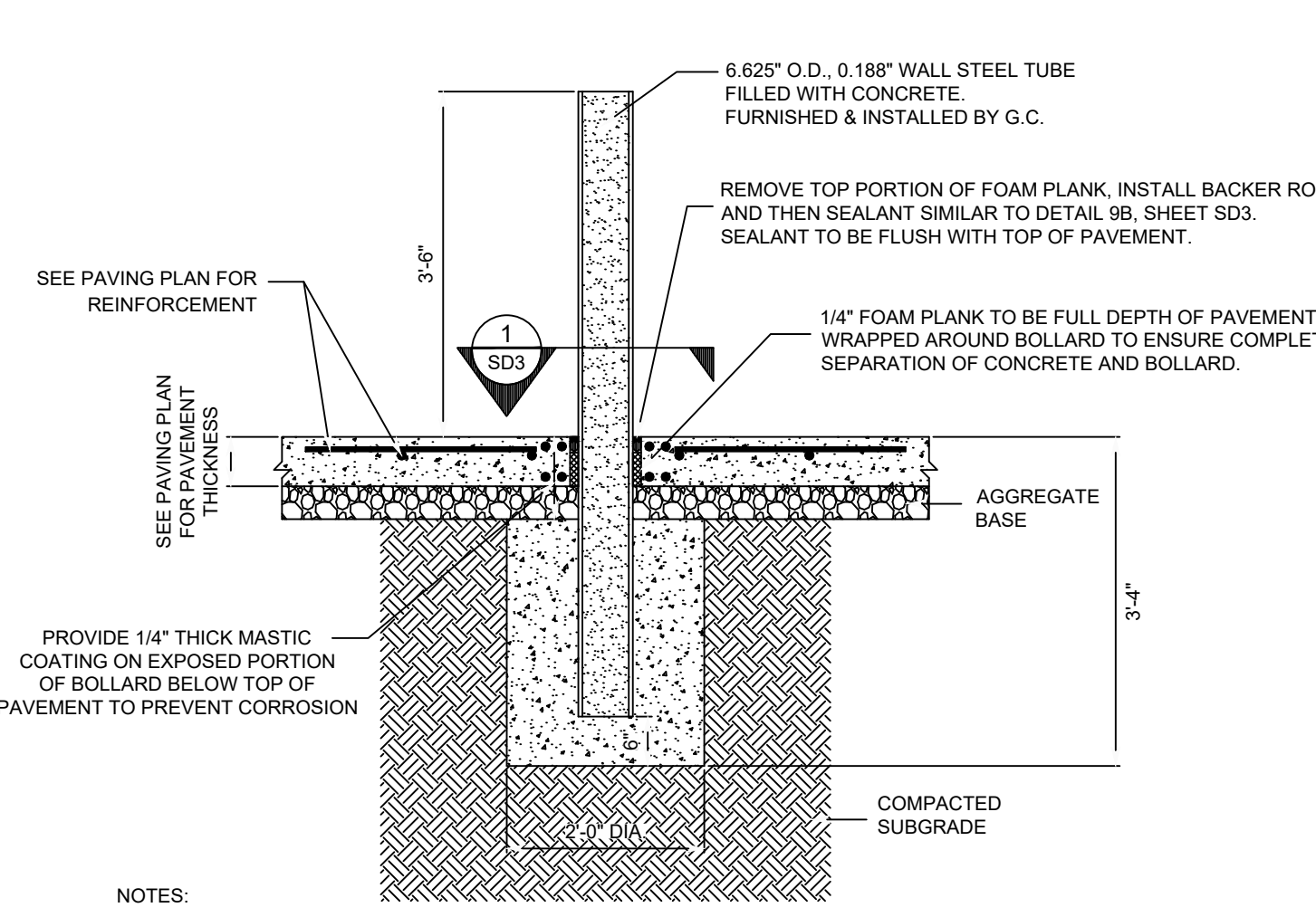
2 SHED CURB DETAIL @ CONCRETE SLAB

SD1 NTS



6 CURB TRANSITION DETAILS

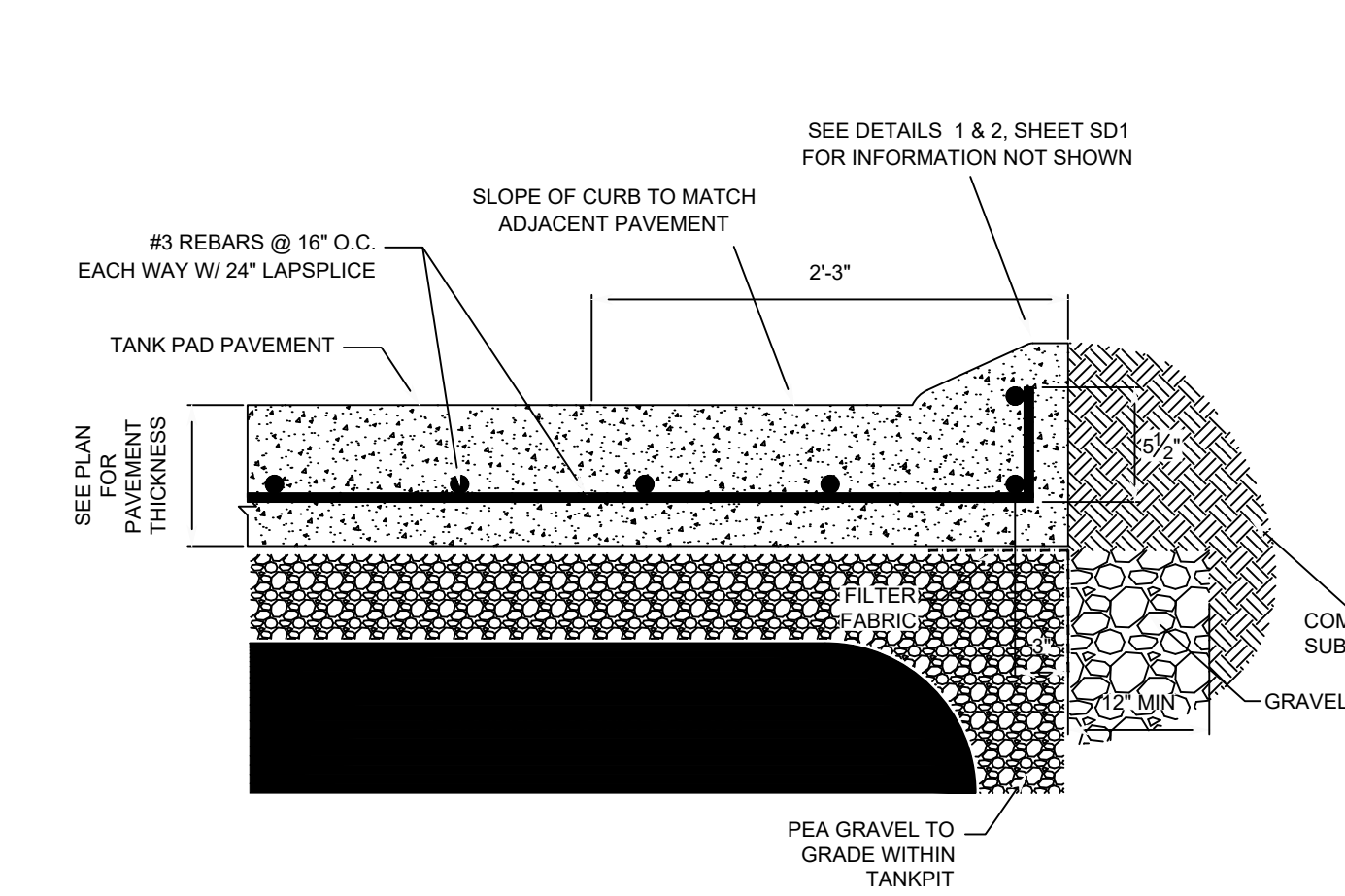
SD1 NTS



- NOTES:
1. BUMPER POSTS TO BE PLUMB AND ALIGNED IN A STRAIGHT LINE AND FILLED WITH CONCRETE.
 2. TOPS TO BE GROUND SMOOTH W/ SQUARE EDGE. THE PRIMED WITH "END RUST" BY DURO AND PAINTED WITH INDUSTRIAL OIL BASED ENAMEL. COLOR TO MATCH DECORATIVE LIGHT POLES.
 3. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
 4. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

10 CANOPY BOLLARD DETAIL

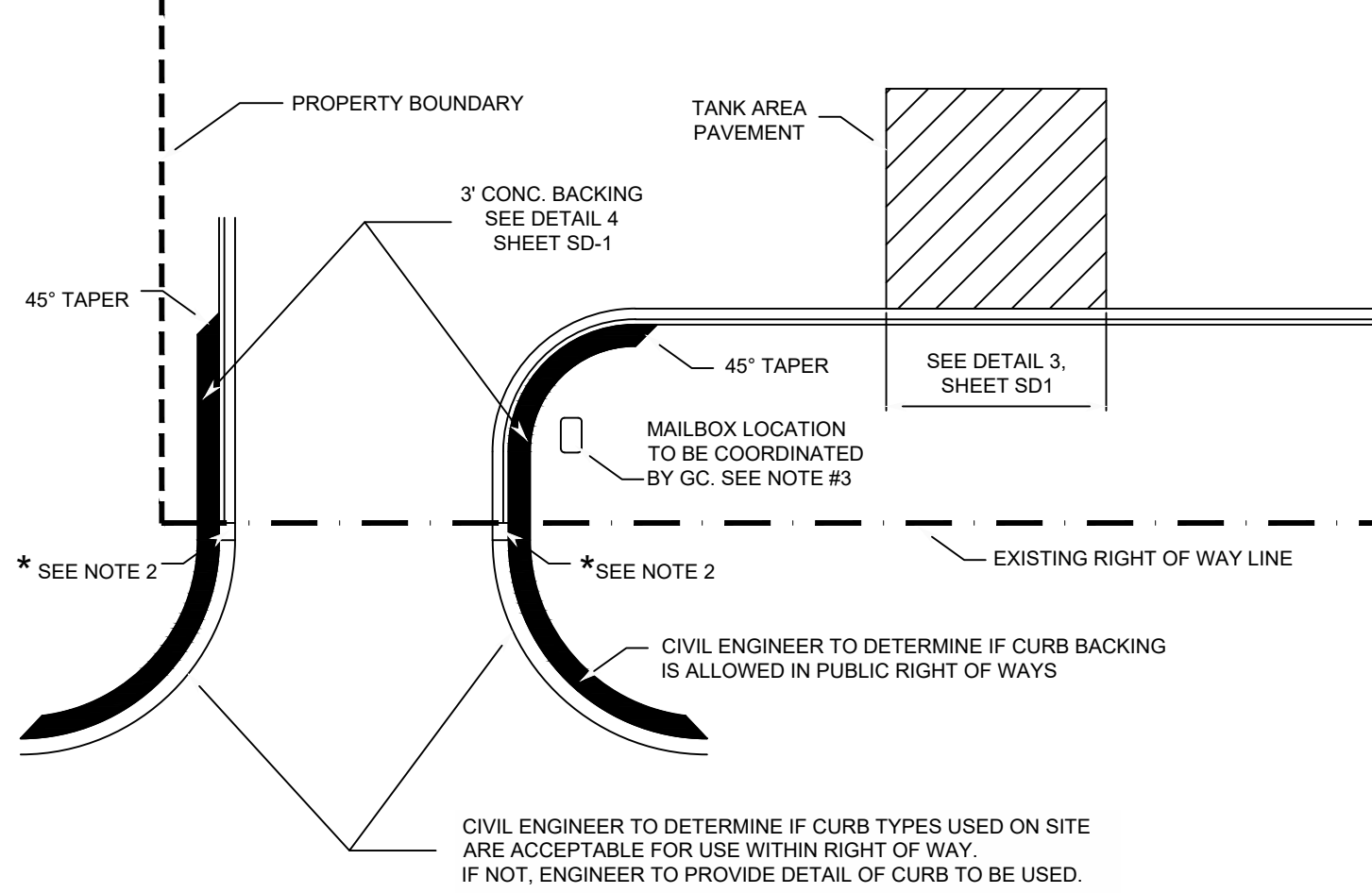
SD1 NTS



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 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE TANK PAVEMENT. SEE PLAN FOR LOCATION.

3 TANK AREA CURB DETAIL

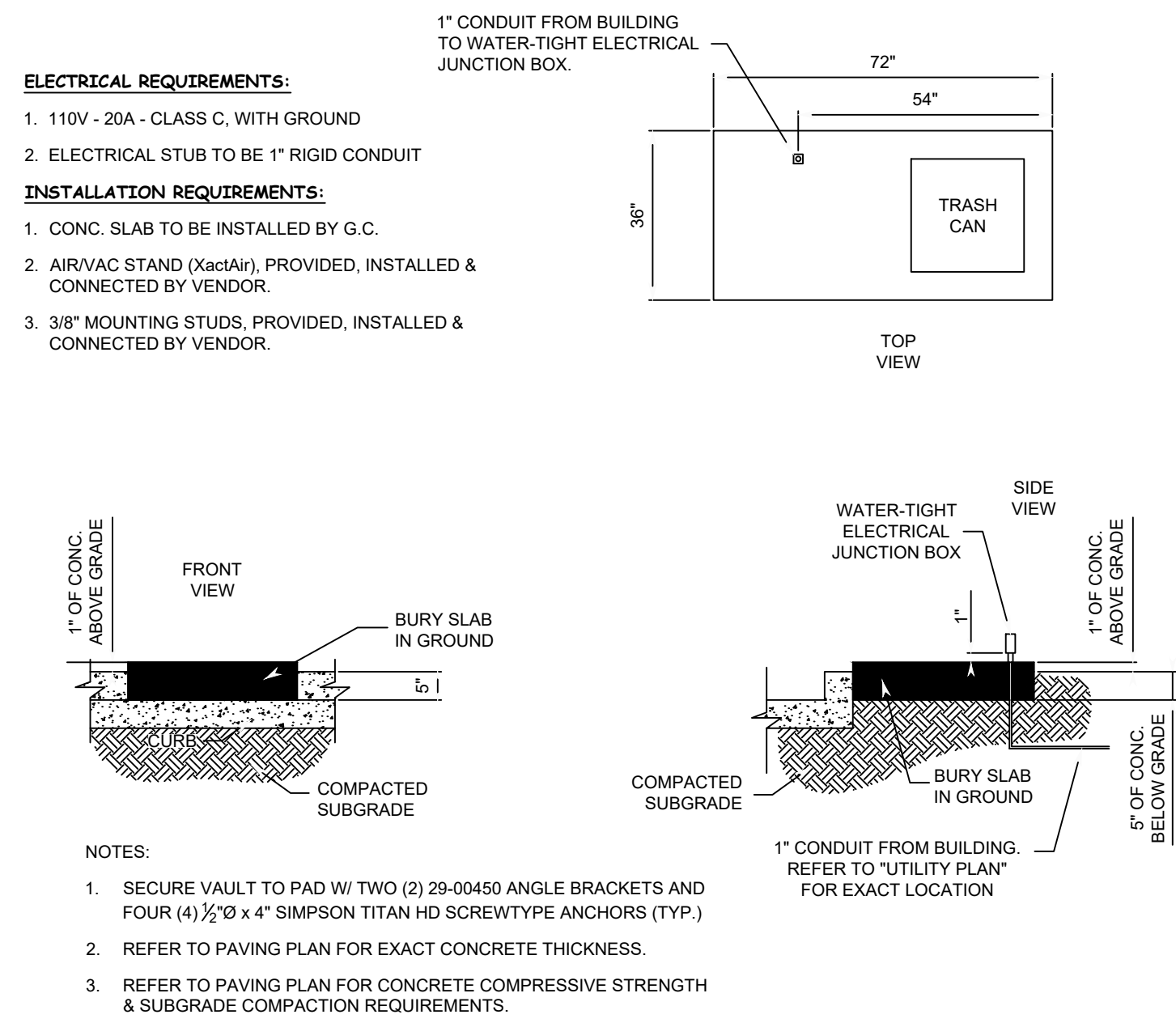
SD1 NTS



- NOTES:
1. REFER TO "SITE PLAN" FOR EXACT LOCATIONS OF THE DIFFERING CURB TYPES.
 2. * = RACETRAC CONSTRUCTION PROJECT MANAGER TO COORDINATE WITH CONCRETE SUBCONTRACTOR TO DETERMINE BEST TRANSITION METHOD BETWEEN DIFFERING CURB TYPES.
 3. MAILBOX TO BE PROVIDED BY GC. INSTALL LOCATION TO BE COORDINATED BY GC WITH USPS

7 CURB LAYOUT PLAN VIEW

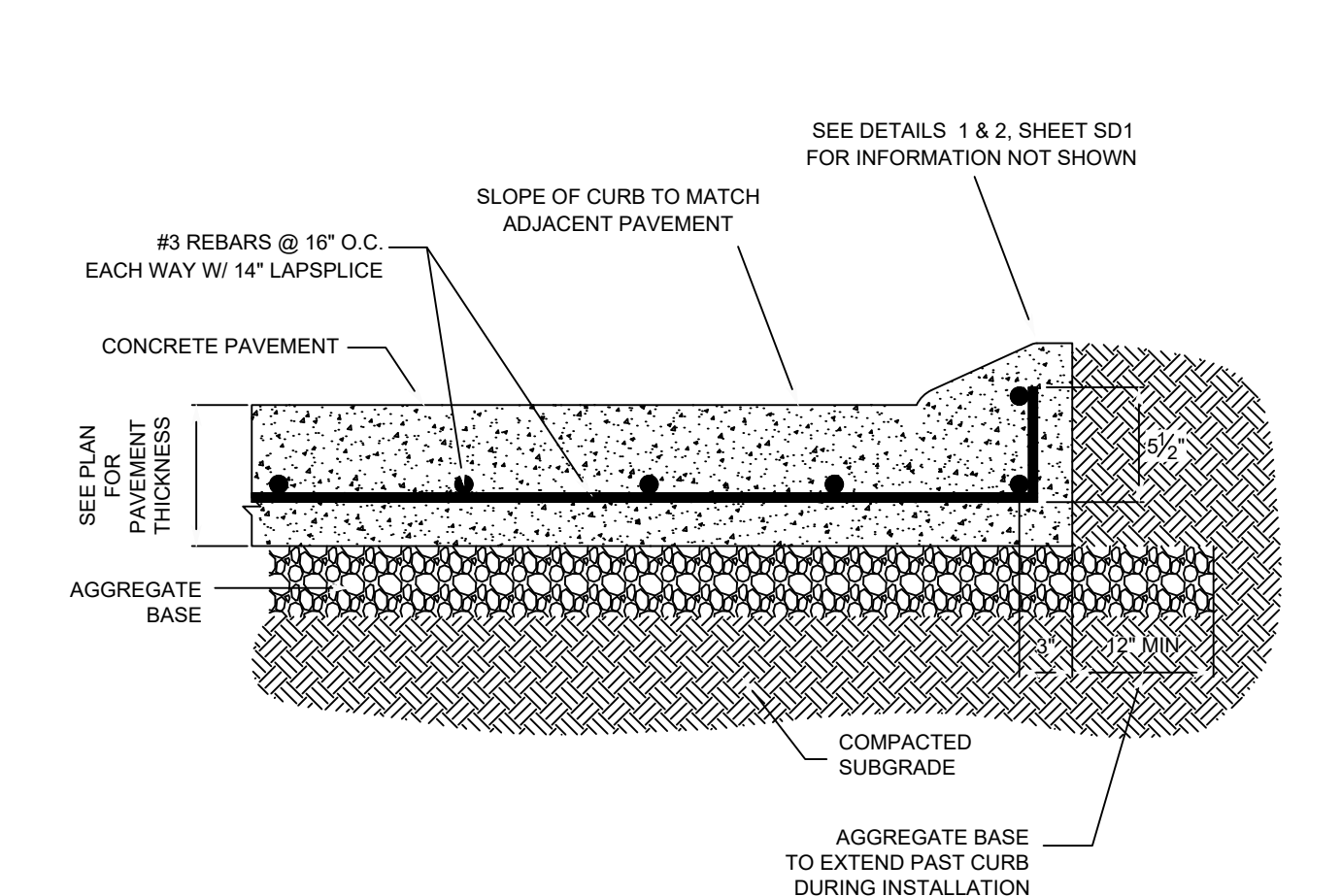
SD1 NTS



- NOTES:
1. SECURE VAULT TO PAD W/ TWO (2) 29-00450 ANGLE BRACKETS AND FOUR (4) 1/2" x 4" SIMPSON TITAN HD SCREWTYPE ANCHORS (TYP.)
 2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
 3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

11 AIR/VAC SERVICE DETAIL

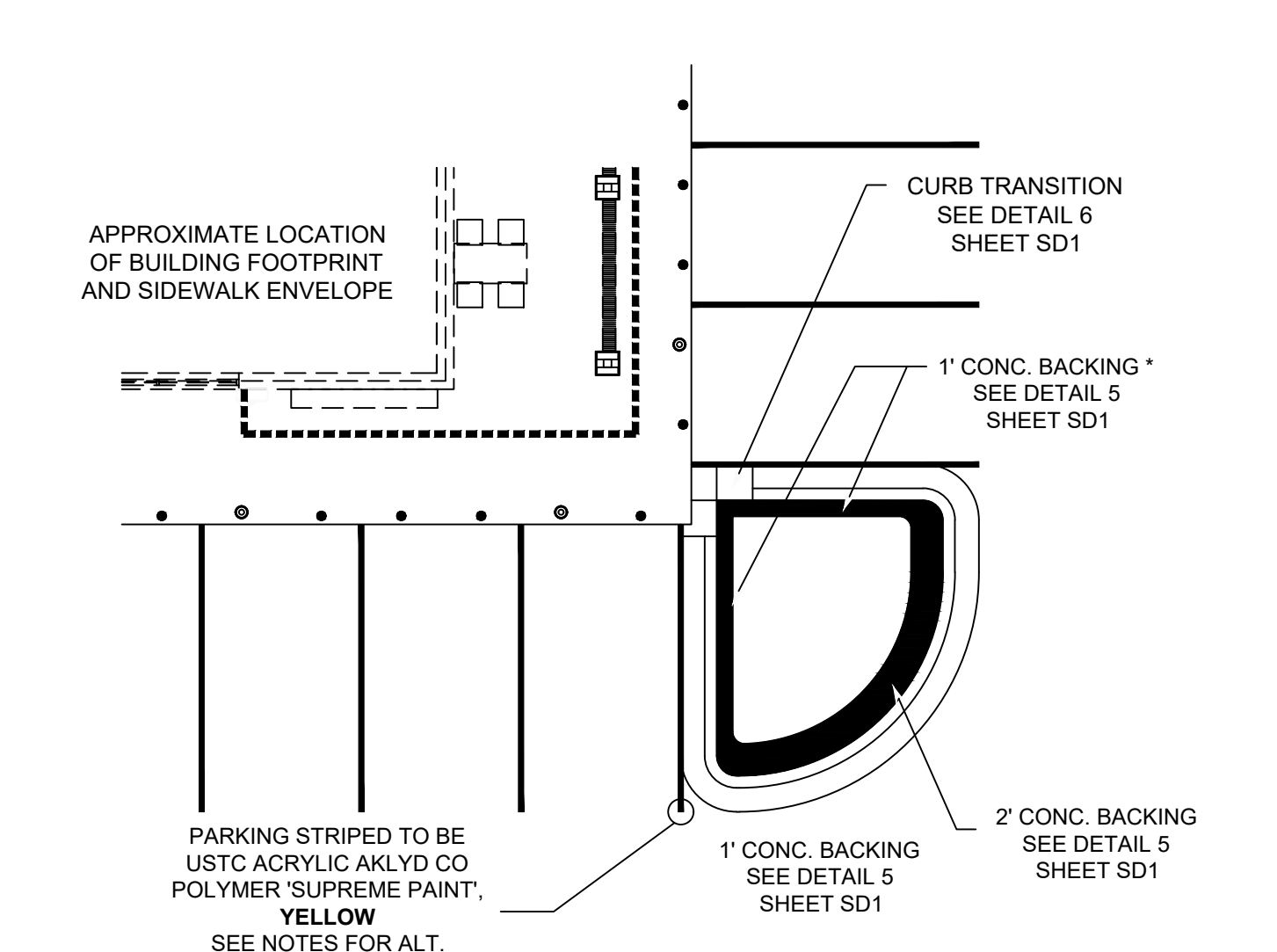
SD1 NTS



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 2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 3. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE DRIVEWAY TRENCH DRAINS. SEE PLAN FOR LOCATIONS.

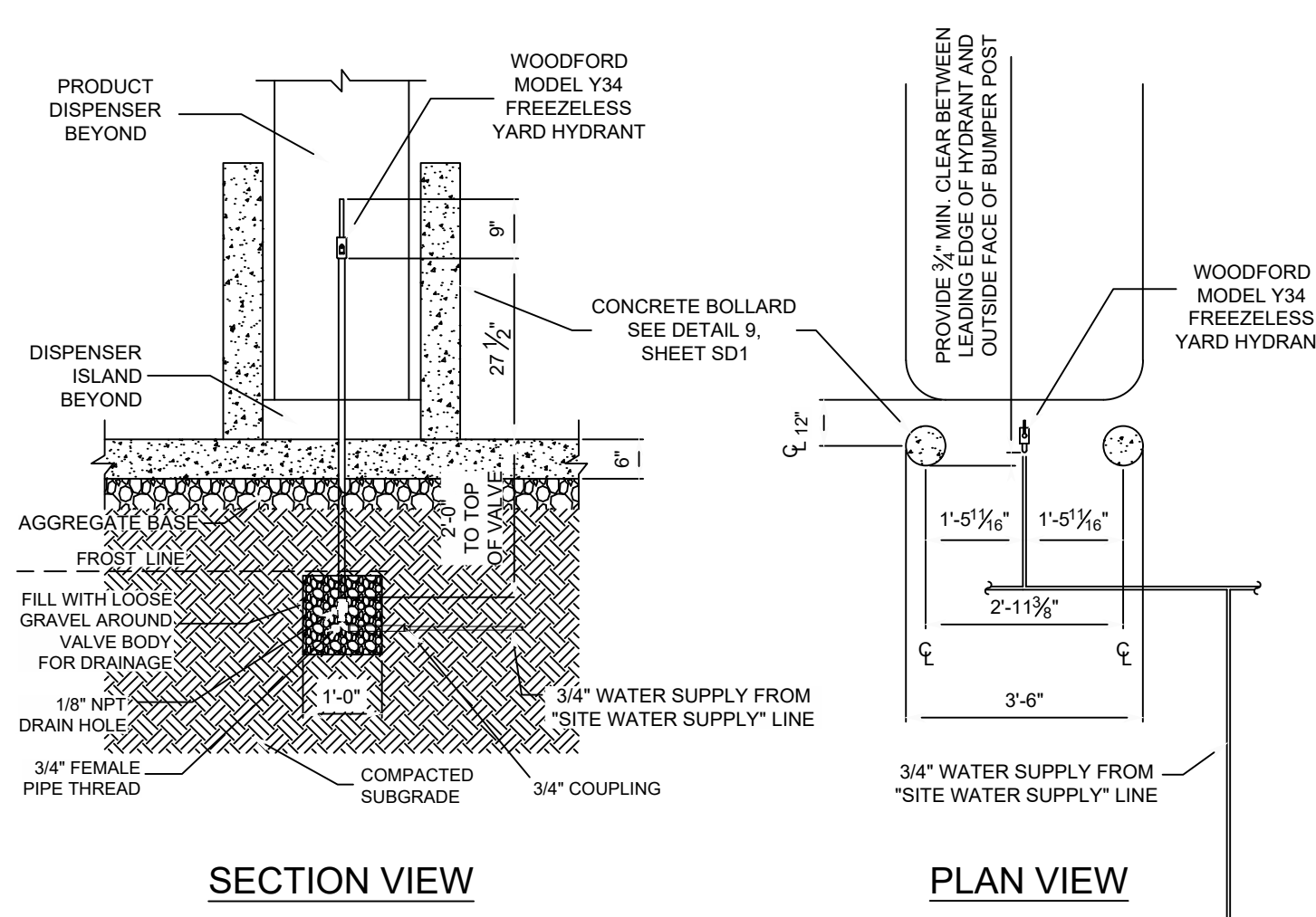
4 MONOLITHIC CURB DETAIL

SD1 NTS



8 CONCRETE BACKING & AUTO COURT PAINT DETAIL

SD1 NTS



- NOTES:
1. SEE "SITE PLAN" FOR EXACT LOCATIONS.
 2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
 3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

12 YARD HYDRANT DETAIL

SD1 NTS

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW

© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0295
www.gaskinslecraw.com
P-2646

REVISIONS:

REV #	DATE	BY	CHKD
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CLIENT
RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:

FOR INFORMATIONAL PURPOSES ONLY

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811

Know what's below.
Callbefore you dig.

SCALE & NORTH ARROW:

DETAILS ARE NOT DRAWN TO SCALE

DESIGN INFO:

DRAWN BY: JJH
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

STANDARD DETAILS - 1

SD-1

SHEET NO. REV.

Drawn name: Gaskins+LeCraw, Dropbox\Shared\Folders\Engineering\005692 - 10 - DETAILS.dwg SD-3 Mar 12, 9:27am by: butman

- GENERAL CONCRETE PAVEMENT NOTES**
- REVIEW AND VERIFY ALL AS-BUILT CONDITIONS WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY FABRICATION.
 - INDUSTRY STANDARDS GOVERNING THIS WORK ARE OF THE LATEST ISSUE AT THE DATE OF THIS DRAWING RELEASE.
 - ENSURE STORAGE, HANDLING, PREPARATION, INSTALLATION, ETC. OF ALL MATERIALS ARE IN ACCORDANCE WITH MANUFACTURERS' VENDORS PRINTED RECOMMENDATIONS AND INSTRUCTIONS.
- PAVEMENT SUBGRADE AND BASE NOTES**
- ENSURE TESTING AGENCY VERIFIES THE SUBGRADE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER. RECOMPACT SOFT AREAS AS DIRECTED BY THE GEOTECHNICAL ENGINEER. TESTING AGENCY TO PROVIDE A LETTER REPORT TO THE OWNER'S REPRESENTATIVE STATING THAT THE SUBGRADE HAS BEEN PROPERLY COMPACTED.
 - ENSURE TESTING AGENCY EVALUATES THE SUBGRADE BY PROOF-ROLLING. PROOF ROLLING TO BE DONE BY A FULLY LOADED TANDEM-AXLE DUMP TRUCK OR OTHER EQUIVALENTLY WHEELED VEHICLE ACCEPTABLE TO THE TESTING AGENCY. REPAIR SOFT AREAS THAT DEPRESS DEEPER THAN 1/2 INCH AS DIRECTED BY THE TESTING AGENCY. TESTING AGENCY TO PROVIDE A LETTER REPORT TO THE OWNER'S REPRESENTATIVE STATING THE SUBGRADE HAS BEEN PROOF-ROLLED AND IS ACCEPTABLE. **DO NOT** PROOF-ROLL ON TOP OF OR WITHIN 5 FEET OF THE EDGE OF THE UNDERGROUND STORAGE TANK LOCATIONS.
 - IF APPLICABLE, THIS PROCESS SHOULD BE IMPLEMENTED AFTER COMPLETION OF THE ROUGH GRADING AND SHOULD BE REPEATED BEFORE THE PLACEMENT OF THE SLAB.
 - IF RUTTING OR PUMPING IS EVIDENT AT ANY TIME DURING PREPARATION OF THE SUBGRADE, SUBBASE, BASE ROLLING, OR SLAB PLACEMENT, CORRECTIVE ACTION SHOULD BE TAKEN. FULL SOIL SUPPORT HAS BEEN ACHIEVED IF THE ROLLED AREA IS OBSERVED TO BE FIRM AND UNYIELDING, WITH NO DEPRESSIONS GREATER THAN 1/2 IN. RUTTING NORMALLY OCCURS WHEN THE SURFACE OF THE BASE OR SUBBASE IS WET, GREATER THAN THREE PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT, AND THE UNDERLYING SOILS OR SUBGRADE ARE FIRM. PUMPING NORMALLY OCCURS WHEN THE SURFACE OF THE BASE OR SUBBASE IS DRY AND THE UNDERLYING SOILS ARE WET.
 - REPAIRS SHOULD INCLUDE, BUT NOT BE LIMITED TO, RAKING SMOOTH OR CONSOLIDATING WITH SUITABLE COMPACTION EQUIPMENT.
 - AGGREGATE BASE MATERIAL:
 - COARSE AGGREGATE BASE: CRUSHER RUN WITH ROCK FINES. USE ASTM D448, NO. 467, 57 OR 67 BLEND ONLY IF NOTED OR ALLOWED.
 - FINE AGGREGATE BASE: CLEAN SCREENINGS ASTM D 448, NO. 10 WITH 6% TO 12% PASSING NO. 200 SIEVE.
 - AGGREGATE BASE MATERIAL INSTALLATION:
 - COMPACT COARSE AGGREGATE BASE TO FINAL THICKNESS SHOWN IN LAYERS NOT EXCEEDING 6 INCHES, WITH MINIMUM OF 2 PASSES PER LAYER WITH A VIBRATORY COMPACTOR.
 - COMPACT BASE TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 - CHOK-OFF TOP SURFACE OF COARSE AGGREGATE BASE WITH FINE AGGREGATE BASE MATERIAL DUE TO THE FOLLOWING:
 - AS REQUIRED TO MEET FINE GRADE ELEVATION TOLERANCES SPECIFIED.
 - WHERE COARSE AGGREGATE BASE MATERIAL DOES NOT HAVE SUFFICIENT FINE PARTICLES TO PRODUCE A SURFACE THAT IS FREE OF EXPOSED AGGREGATE OR SURFACE VOIDS IMMEDIATELY PRIOR TO PAVEMENT INSTALLATIONS.
 - COMPACT FINE AGGREGATE BASE CHOK-OFF LAYER WITH A MINIMUM OF 2 PASSES WITH A VIBRATORY COMPACTOR.
 - TOP SURFACE OF BASE MATERIAL TO BE DRY, SMOOTH, FLAT, DENSE SURFACE IMMEDIATELY BEFORE PLACING CONCRETE.
 - ENSURE TESTING AGENCY VERIFIES AGGREGATE BASE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER IMMEDIATELY PRIOR TO PLACING PAVEMENT. TESTING AGENCY TO PROVIDE LETTER REPORT TO OWNER'S REPRESENTATIVE STATING THE BASE IS ACCEPTABLE.
 - NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF UNUSUAL SOIL CONDITIONS ARE FOUND.
 - PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY CORNERS, ETC. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER. AT NO COST TO OWNER OR WITHOUT CONSENT OF CONTRACT TIME. **DO NOT** ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA, DAMAGE TO SURROUNDING AREAS, OR STAIN ADJACENT CONCRETE.
 - DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER'S REPRESENTATIVE.

- CONCRETE PAVEMENT NOTES:**
- CONFORM TO ACI 318 AND 117 FOR THE DESIGN AND PLACEMENT OF CONCRETE, REINFORCING, AND RELATED ITEMS.
 - CONFORM TO ACI 308.1 FOR COLD WEATHER CONCRETING AND ACI 308R WHEN ANY COMBINATION OF HIGH TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND VELOCITY TEND TO IMPAIR THE QUALITY OF THE CONCRETE. REJECT CONCRETE IF ITS TEMPERATURE AT TIME OF PLACEMENT IS 90 DEGREES FAHRENHEIT (°F) OR ABOVE. PROTECT SURFACES OF EXPOSED CONCRETE FROM PRECIPITATION DAMAGE UNTIL ADEQUATE STRENGTH IS GAINED TO PREVENT DAMAGE.
 - MINIMUM CONDITIONS FOR CONCRETE PLACEMENT:
 - AMBIENT CONDITIONS - 35° AND RISING
 - AGGREGATE BASE TEMP - 45° AND RISING
 - CONCRETE TEMPERATURE - 65° (4°-5°)
 - CURE APPLICATION - 45° AND RISING
 - CONFORM TO ACI 302.1R, 304R, 308, 309R AND 347R FOR CONCRETE, FORM WORK, CURING, AND RELATED ITEMS. CONFORM TO CRSI MANUAL OF STANDARD PRACTICE AND CRSI PLACING REINFORCING BARS FOR PLACING REINFORCING.
 - PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF 3500 PSI.
 - PROVIDE A MINIMUM CEMENTITIOUS CONTENT IN ACCORDANCE WITH ACI 302.1R AND A MAXIMUM WATER/CEMENTITIOUS RATIO OF 0.50. MEASURE AND MIX CONCRETE IN ACCORDANCE WITH ACI 211.1. AIR ENTRAIN CONCRETE EXPOSED TO THE WEATHER. USE SLUMP OF FIVE INCHES (1/2 INCH - ONE INCH) AT POINT OF CONCRETE PLACEMENT.
 - SUBMIT FOR APPROVAL MIX DESIGNS AND TEST RESULTS FOR COMPRESSIVE STRENGTH, SLUMP, AND AIR ENTRAINMENT. INCLUDE STANDARD DEVIATIONS AND AVERAGE COMPRESSIVE STRENGTHS FOR FIELD DATA. INCLUDE BRAND NAME AND CHEMICAL COMPOSITION OF ALL ADMIXTURES, INCLUDING AGGREGATE TYPE, SOURCE, AND AGGREGATE GRADATION WITH PERCENT RETAINED ON EACH SIEVE FOR EACH AGGREGATE SIZE GROUP AND TOTAL COMBINED FOR ALL SIZE GROUPS. SUBMIT 14 DAYS MINIMUM PRIOR TO USE.
 - MIX AND TRANSPORT READY-MIXED CONCRETE IN ACCORDANCE WITH ASTM C34. EXCEPT REDUCE MAXIMUM DISCHARGE TIME TO 75 AND 60 MINUTES FOR AIR TEMPERATURES OF 50° AND 60° F, RESPECTIVELY.
 - THE OWNER'S TESTING AGENCY WILL TEST SAMPLES OF CONCRETE FOR COMPRESSIVE STRENGTH, AIR ENTRAINMENT, SLUMP, DENSITY (UNIT WEIGHT) AND TEMPERATURE IN ACCORDANCE WITH ACI, C38 AND C138 FROM THE FIRST TRUCK EACH DAY AND THEN EACH 100 CUBIC YARDS FOR EACH TYPE OF CONCRETE PLACED PER DAY, BUT NOT LESS THAN ONCE FOR EACH DAY OF CONCRETE PLACEMENT. WHEN ABOVE SCHEDULE PROVIDES LESS THAN FIVE TESTS PER TYPE OF CONCRETE, TEST FIVE RANDOM BATCHES. IF FEWER THAN 5 BATCHES ARE USED, TEST EACH BATCH. IF CONCRETE IS PUMPED, ENSURE TEST SAMPLES ARE TAKEN AT THE POINT OF PLACEMENT. EACH COMPRESSIVE TEST SHALL CONSIST OF FOUR TEST CYLINDERS TO BE TESTED AS FOLLOWS: ONE AT SEVEN DAYS, TWO AT 28 DAYS, ONE RESERVE.
 - CONFORM TO THE FOLLOWING:
 - CEMENT: ASTM C150.
 - TYPE II, III, IV OR TYPE I CEMENT WITH MAXIMUM C3A CONTENT OF 8%.
 - AGGREGATES:
 - ASTM C33, SUBJECT TO SEVERE WEATHERING AND ABRASION, SURFACE APPEARANCE IS IMPORTANT.
 - 2 OF TOTAL COMBINED COARSE AND FINE AGGREGATES PER MIX DESIGN, DO NOT ALLOW MATERIAL RETAINED ON ANY ONE SIEVE TO BE LESS THAN 6% NOR MORE THAN 24% OF TOTAL BY WEIGHT, EXCEPT:
 - LARGEST COARSE AGGREGATE SIZE TO BE #4 STONE. RETAIN 1% TO 2% OF TOTAL COMBINED AGGREGATES PER MIX DESIGN ON LARGEST SIEVE WITH RETAINED AGGREGATE.
 - NO. 30 AND 40 SIEVES TO BE 0% TO 15%.
 - NO. 100 AND 200 SIEVES TO BE 2% TO 10%.
 3. GRADATION REQUIREMENTS OF ASTM C33 MAY BE WAIVED, IF ALLOWED BY ENGINEER, IN ORDER TO MEET 6% - 24% RANGE NOTED ABOVE.
 - WATER: CLEAN AND POTABLE.
 - AIR ENTRAINMENT: ASTM C260.
 - WATER REDUCER: ASTM C494, TYPE A, OR D IF APPROVED. NON-CHLORIDE TYPE.
 - RETARDER: ASTM C494, TYPE B OR D.
 - ACCELERATOR: ASTM C494, TYPE C OR E. NON-CHLORIDE AND NON-THIOCYANATE TYPE.
 - FLY ASH: ASTM C 618, CLASS C OR F, EXCEPT LOSS ON IGNITION NOT TO EXCEED 3%.
 - SLAG: ASTM C895, GRADE 100 MINIMUM.
 - AGGREGATE BASE: CRUSHER RUN WITH ROCK FINES COMPACT WITH A MINIMUM OF TWO PASSES WITH A SMOOTH VIBRATORY COMPACTOR.
 - JOINT BACK-UP MATERIAL: POLYETHYLENE FOAM, 100% CLOSED CELL.
 - FIRM PREFORMED JOINT FILLER (PJF): ASTM D 1751, NONEXTRUDING, USE FULL DEPTH OF CONCRETE.
 - SOFT PREFORMED JOINT FILLER: "EXPANSION JOINT FILLER" BY SONNEBORN, "DECK-O-FOAM" BY W. R. MEADOWS, OR "CERAMAR" FLEXIBLE FOAM BY W. R. MEADOWS. USE FULL DEPTH OF CONCRETE.
 - EVAPORATION RETARDANT: "EUCCO-BAR" BY EUCCO, "CONFORM" BY MASTER BUILDERS OR AQUAFILM BY DAYTON SUPERIOR.
 - LOAD PLATE DOWELS AND CLIPS: PNA, 1-800-542-0214.
 - SQUARE DOWELS AND POCKET FORMERS: SQUARE DOWEL SYSTEM BY PNA, 1-800-542-0214. DOWEL CLIP SYSTEM BY PNA.
 - PAVEMENT SEALANT: DOW 888 BY DOW CORNING, 301 NS BY PECORA, SPECTRUM 800 OR 900 BY TREMAC.
 - LIQUID CURING AND SEALING COMPOUND: ASTM C1515, TYPE I, STYRENE ACRYLATE OR METHACRYLATE TYPE, 29% MINIMUM SOLIDS CONTENT, CLEAR, NON-YELLOWING, STYRENE BUTADIENE NOT ALLOWED AS PART OF BLEND.
 - REBAR SUPPORT DEVICES: CRSI MANUAL OF STANDARD PRACTICE.
 - DO NOT USE MANUFACTURED SAND EXCEPT AS A BLEND WITH NATURAL SAND AND/OR AS APPROVED BY ENGINEER.
 - IF POZZOLAN IS APPROVED, ENSURE WEIGHT OF POZZOLAN DIVIDED BY SUM OF CEMENT AND POZZOLAN WEIGHTS IS AT LEAST 15% AND DOES NOT EXCEED FOLLOWING:
 - FLY ASH: CLASS C FLY ASH: 25%.
 - CLASS F FLY ASH: 25%.
 - SLAG: 30%.
 - DO NOT USE CALCIUM CHLORIDE AS PART OF ADMIXTURE OR BY ITSELF.
 - ENSURE REINFORCING BARS CONFORM TO ASTM A615 GRADE 60, DEFORMED.
 - THE GEOTECHNICAL ENGINEERING REPORT INDICATES THAT THE SOILS ON-SITE HAVE A XXXXXXXX SULFATE EXPOSURE. WHERE IMPORTED FILL OR BASE MATERIALS IN CONTACT WITH CONCRETE, THE SULFATE CONTENT AND EXPOSURE OF THESE MATERIALS SHALL BE ACQUIRED BY TEST. SUBMIT ALL TEST RESULTS WITH CONCRETE MIX DESIGNS. FAILURE TO PROVIDE SUPPORTING TEST RESULTS FROM AN ACCREDITED TESTING LABORATORY WILL REQUIRE THE CONCRETE MIX TO BE PROPORTIONED FOR VERY SEVERE SULFATE EXPOSURE AT NO ADDITIONAL COST OR DELAY IN THE PROJECT SCHEDULE.
 - CONCRETE SHALL BE PROPORTIONED TO MEET THE PROJECT SPECIFICATIONS AND THE MINIMUM CRITERIA ESTABLISHED IN "TABLE A" (THIS SHEET) BASED ON THE SULFATE EXPOSURE FROM ANY ADJACENT SOILS OR FILL MATERIALS.
 - ADDITIONALLY, EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE.
 - MINIMUM 4500 PSI AND 4.0-4.5 W/C RATIO. AIR ENTRAIN CONCRETE TO PROVIDE 6% (+/- 1.5%) AIR. PROVIDE SLUMP OF FIVE INCHES (+/- ONE INCH) AT POINT OF CONCRETE PLACEMENT.
 - CONCRETE TO MEET DURABILITY REQUIREMENTS OF ACI 303. FREEZING AND THAWING EXPOSURE CATEGORY TO BE [F1] [F2] [F3]. SULFATE EXPOSURE CATEGORY TO BE [S0] [S1] [S2] [S3]. AND CORROSION PROTECTION EXPOSURE CATEGORY TO BE [C0] [C1] [C2]. PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF [3500 PSI] [4000 PSI] [4500 PSI] [5000 PSI] WITH MAXIMUM WATER/CEMENTITIOUS RATIO OF [0.55] [0.50] [0.45] [0.40].
 - ENSURE REINFORCING BARS CONFORM TO ASTM A615 GRADE 60, DEFORMED.
 - PROVIDE CLASS B TENSION LAP SPICES PER ACI 318 FOR CONCRETE STRENGTH AND BAR LOCATIONS NOTED.
 - MAINTAIN FULL THICKNESS FOR DERESSED OR SLOPED PAVEMENTS.
 - ** DO NOT ADD WATER OR PLAIN CEMENT TO ANY PAVEMENT SURFACE DURING FINISHING OPERATIONS.
 - PERFORM NO FINISHING OPERATION WHILE WATER IS PRESENT ON PAVEMENT SURFACE.
 - STRIKE OFF CONCRETE TO REQUIRED ELEVATIONS AND IMMEDIATELY START FINISHING/FLATTENING OPERATIONS. ENSURE FINISHING OPERATIONS ARE NO MORE THAN NECESSARY TO REMOVE IRREGULARITIES AND MEET SPECIFIED TOLERANCES. USE A HIGHWAY STRAIGHTEDGE 10-FOOT WIDE MAXIMUM, UNLESS OTHERWISE ALLOWED BY OWNER'S REPRESENTATIVE, IN ORDER TO CUT OFF HIGH SPOTS AND FILL IN LOW SPOTS. PERFORM FINISHING OPERATIONS AS NECESSARY TO ENSURE PAVEMENT WILL DRAIN WELL, UNIFORM FINISH SURFACE TO TEXTURE. PREVIOUSLY APPROVED BY OWNER'S REPRESENTATIVE. **DO NOT** ALLOW SURFACE TO DRY DURING FINISHING OPERATIONS AND BEFORE CURING COMPOUND IS APPLIED; USE EVAPORATION RETARDANT AS NECESSARY TO PREVENT SURFACE CRACKING AND PLASTIC SHRINKING CRACKS.
 - FOR TOLERANCES CONFORM TO ACI 117 AND ACI 347R, EXCEPT AS NOTED BELOW:
 - PAVEMENT AGGREGATE BASE FINE GRADE 10, 3/4 INCH.
 - MINIMUM PAVEMENT TOLERANCE: 3/4 INCH.
 - WHEN COMPUTING THE AVERAGE OF ALL SAMPLES, SAMPLES WITH A THICKNESS MORE THAN 1/4 INCH ABOVE THE SPECIFIED THICKNESS SHALL BE ASSUMED TO HAVE A THICKNESS OF 3/4 INCH MORE THAN THE SPECIFIED THICKNESS.
 - AVERAGE PAVEMENT THICKNESS TOLERANCE: -5.
 - THICKNESS SAMPLES ARE TO BE RANDOMLY LOCATED FROM EACH PAVEMENT PLACEMENT AND NOT EXCEED 1000 SQUARE FEET OF PAVEMENT SURFACE AREA.
 - START SAWING PAVEMENT CONTRACTION JOINTS USING A "SOFT-CUT" SAW, BLADES AND SKID PLATES AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELLING OR DISLODGING OF AGGREGATES, UNLESS RAVELLING OR DISLODGING OCCURS, COMPLETE SAWING OF JOINTS WITHIN THE MAXIMUM ELAPSED TIME LIMIT NOTED BELOW, BUT PREFERABLY LESS. THE SPECIFIED TIME FOR ANY ONE LOCATION STARTS WHEN FINISHING OPERATIONS ARE COMPLETE FOR THAT LOCATION. THE SPECIFIED TIME IS THE MAXIMUM AIR TEMPERATURE IN DEGREES FAHRENHEIT (°F) THAT OCCURS WITHIN THE SPECIFIED TIME LIMIT. THE ELAPSED TIME MAY NEED TO BE SHORTENED EVEN MORE IF DRY AND OR WINDY CONDITIONS ARE PRESENT. ENSURE JOINTS ARE CLEANED AFTER SAWING AND REMAIN CLEAN UNTIL SEALED.

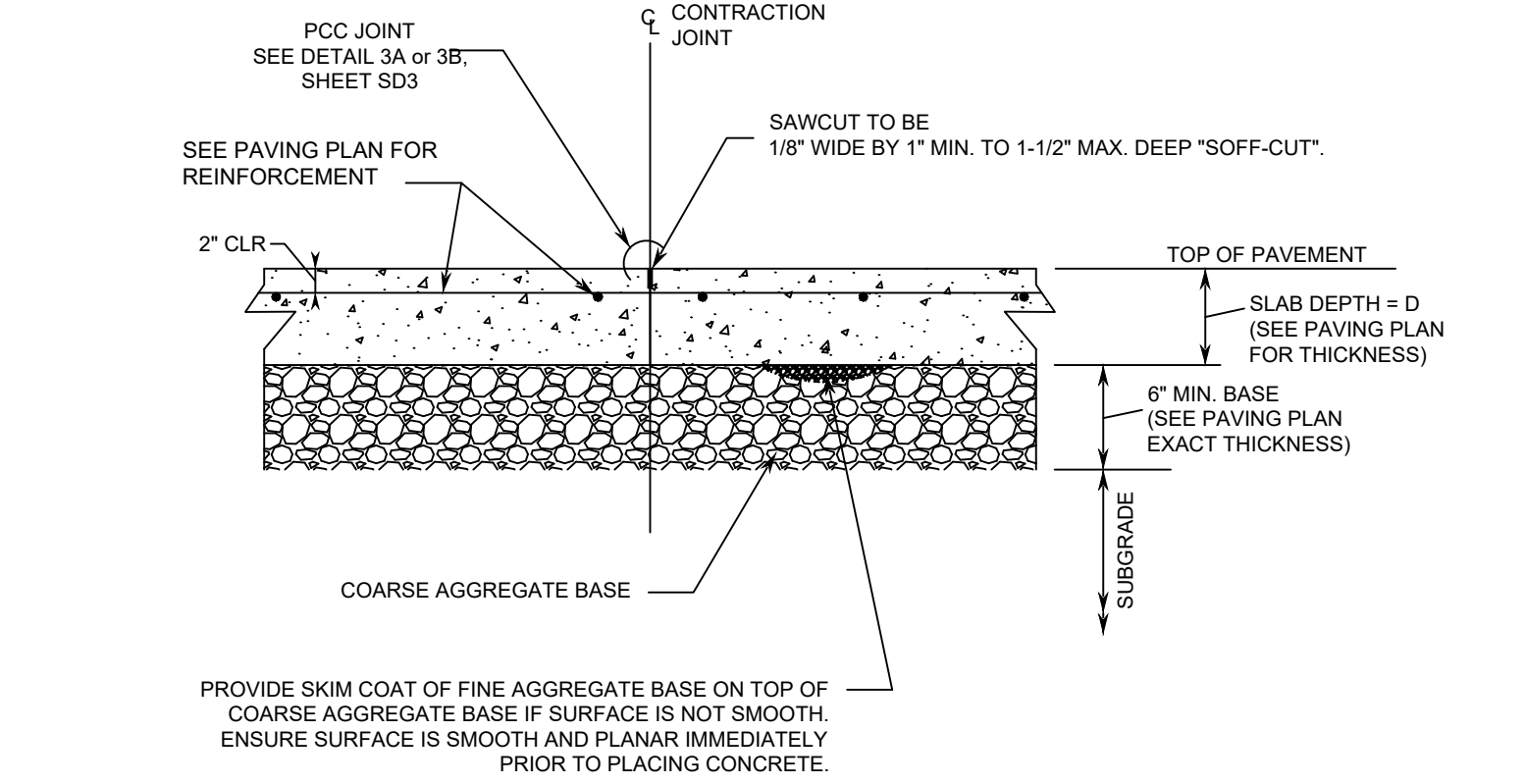
MAX DEGREES FAHRENHEIT (°F)	MAX ELAPSED HOURS
85 AND ABOVE	1
60 - 84	2
50 - 59	3
40 - 49	4
 - START CURING AS SOON AS CONCRETE SURFACE WILL NOT BE DAMAGED BY CURING OPERATIONS.
 - ENSURE PAVEMENT SURFACE IS PROTECTED FROM EQUIPMENT SCRAPES, IMPACT ABRASIONS, STAINS, ETC. REPAIR PAVEMENT SURFACE AS DIRECTED BY OWNER'S REPRESENTATIVE. ENSURE VEHICLES AND EQUIPMENT ARE DAMAGED TO PREVENT OIL OR OTHER FLUID LEAKS FROM STAINING THE PAVEMENT. VEHICLE AND EQUIPMENT TRAFFIC IS PROHIBITED UNTIL THE COMPLETION OF PAVEMENT CURING PERIOD (MINIMUM OF SEVEN CONSECUTIVE DAYS).
 - REFER TO ARCHITECTURAL, FINISHING, SAWING, CORNERING, AND OTHER PERTINENT PORTIONS OF WORK.
 - COORDINATE AND PLACE ALL EMBEDDED ITEMS SHOWN ON THE DRAWINGS OR REQUIRED BY ALL TRADES.
 - PRE-CONSTRUCTION MEETINGS:
 - ATTEND PRE-CONSTRUCTION / PLACEMENT MEETING TO BE SCHEDULED AT LEAST 7 DAYS BEFORE STARTING MAIN CONCRETE PAVEMENT.
 - ATTENDANCE DESIGNATED BY THE OWNER'S REPRESENTATIVE AND THE FOLLOWING:
 - STRUCTURAL SERVICES INC. REPRESENTATIVE (863-393-4495), TESTING AGENCY, CONTRACTOR, CONCRETE SUPPLIER (INCLUDING QUALITY CONTROL PERSONNEL), AND SUBCONTRACTORS FOR SUBGRADE AND BASE PREPARATION, REINFORCING, PUMPING OR OTHER MEANS OF CONVEYING PLACEMENT, FINISHING, SAWING, CORNERING, AND OTHER PERTINENT PORTIONS OF WORK.
 - REPRESENTATIVES ARE TO BE PERSONNEL WHO ARE DIRECTLY INVOLVED IN PROJECT AND WHO HAVE AUTHORITY TO CONTROL WORK.

TABLE A: NASHVILLE & BELOW (SEE CONCRETE PAVEMENT NOTE #5)

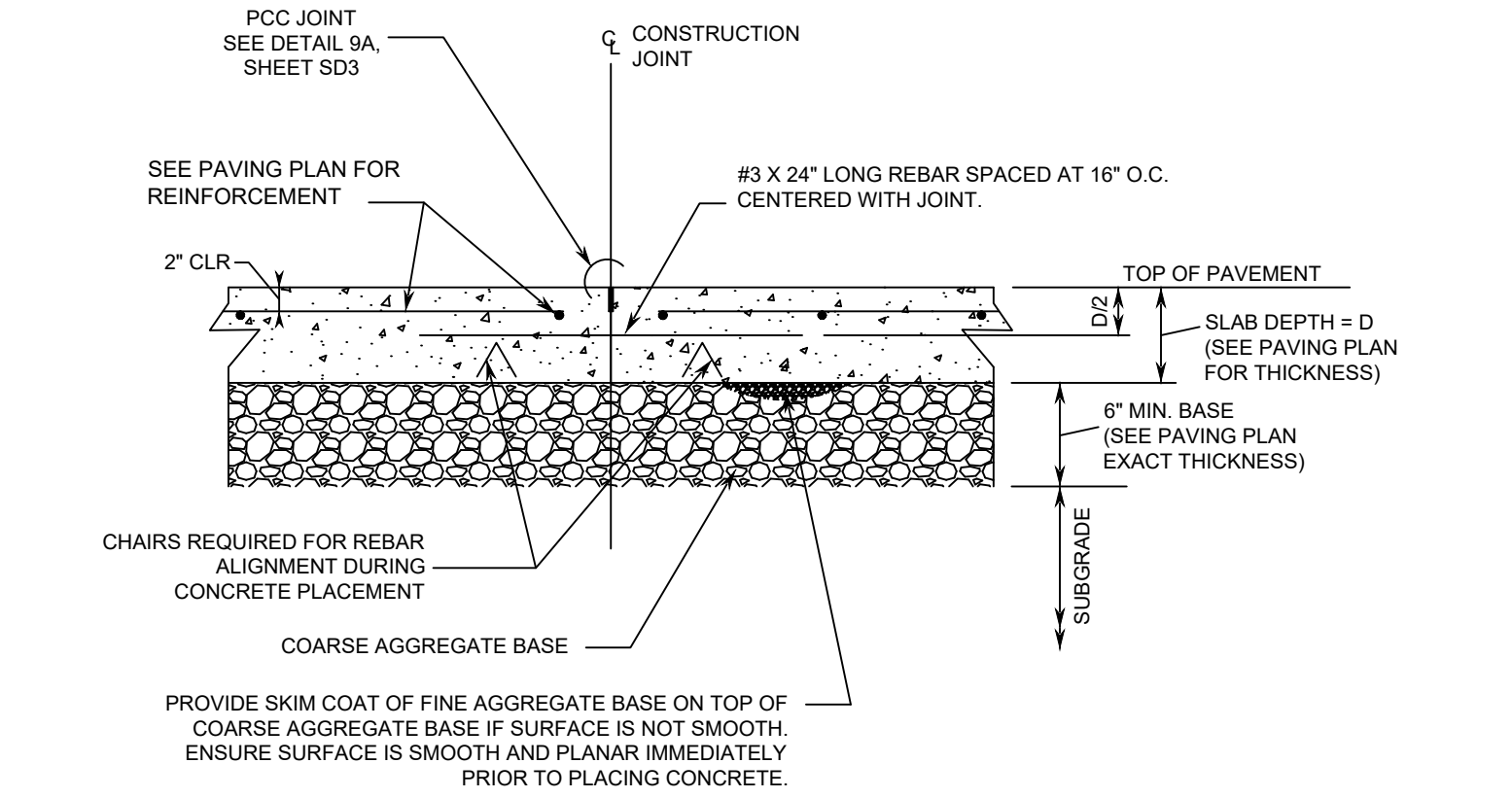
SULFATE EXPOSURE	WATER SOLUBLE SULFATE (SO ₄) IN WATER PPM	SULFATE (SO ₄) IN WATER PPM	PORTLAND CEMENT TYPE	MAXIMUM W/C RATIO	CONCRETE PAVEMENTS
NEGLIGIBLE	0.00 ≤ SO ₄ < 0.10	0 ≤ SO ₄ < 150	I	0.55	3500
MODERATE	0.10 ≤ SO ₄ < 0.20	150 ≤ SO ₄ < 1500	II	0.50	4000
SEVERE	0.20 ≤ SO ₄ ≤ 2.00	1500 ≤ SO ₄ < 10,000	V	0.45	4500
VERY SEVERE	SO ₄ > 2.00	SO ₄ > 10,000	V PLUS POZZOLAN	0.40	5000

NOTE TO CIVIL ENGINEERING COMPANY

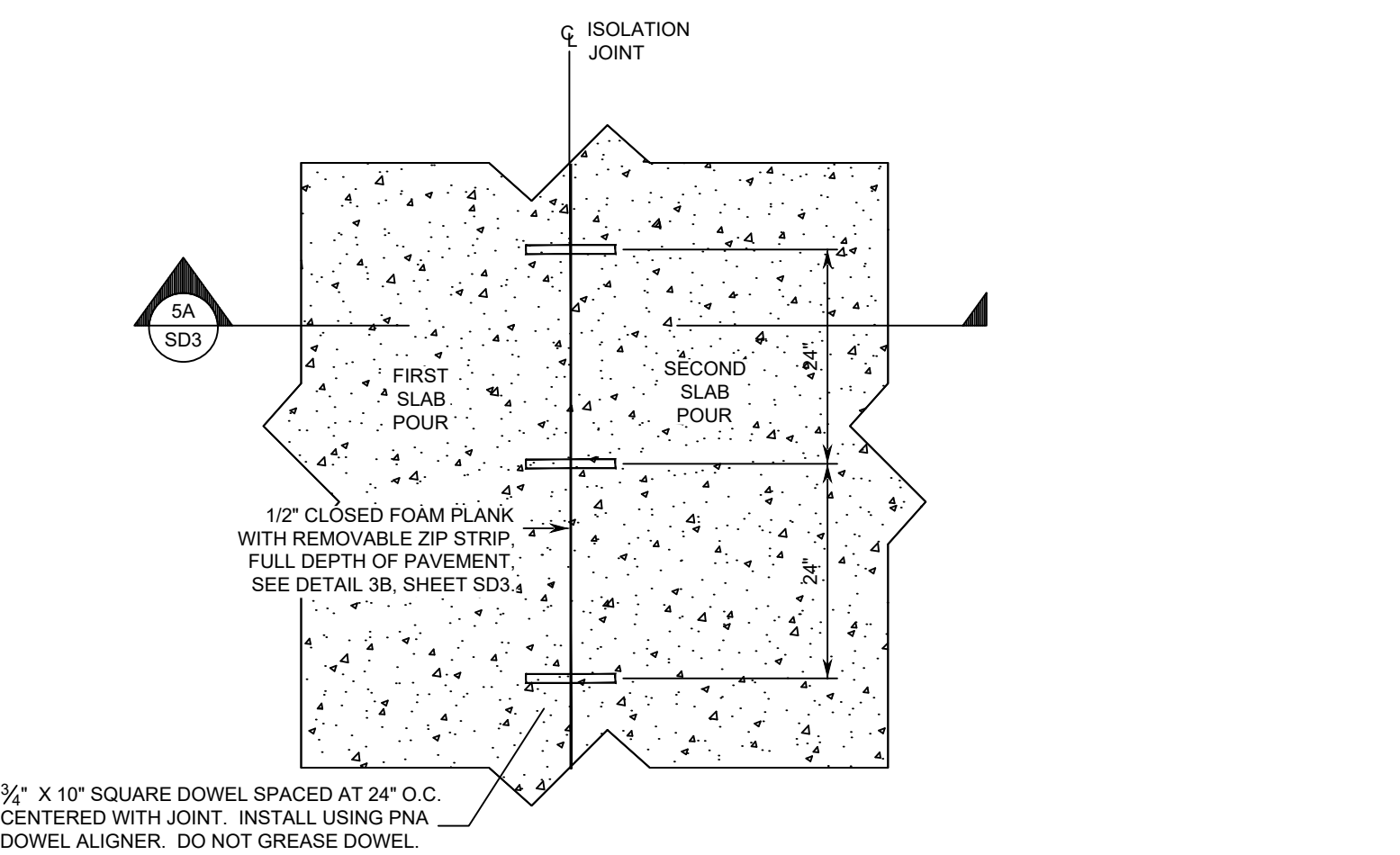
TYPICALLY USE "MODERATE" EXPOSURE FROM TABLE. CONTACT EPM IF EXPOSURE CLASS SHOULD BE CHANGED.



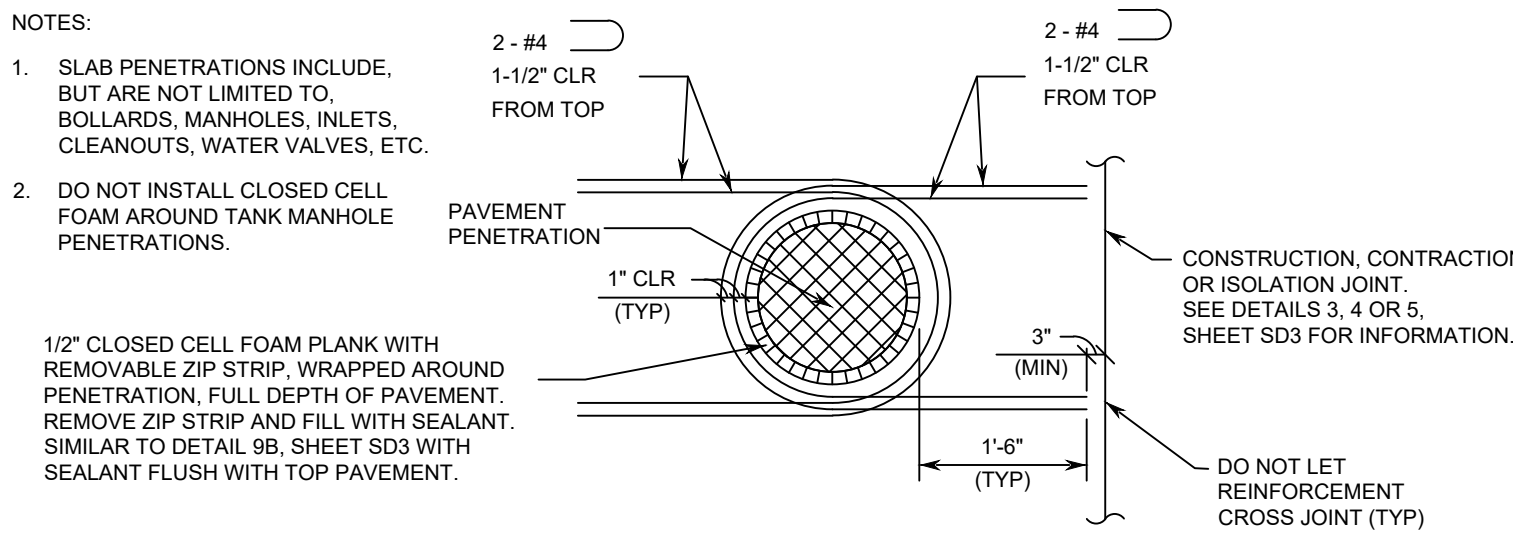
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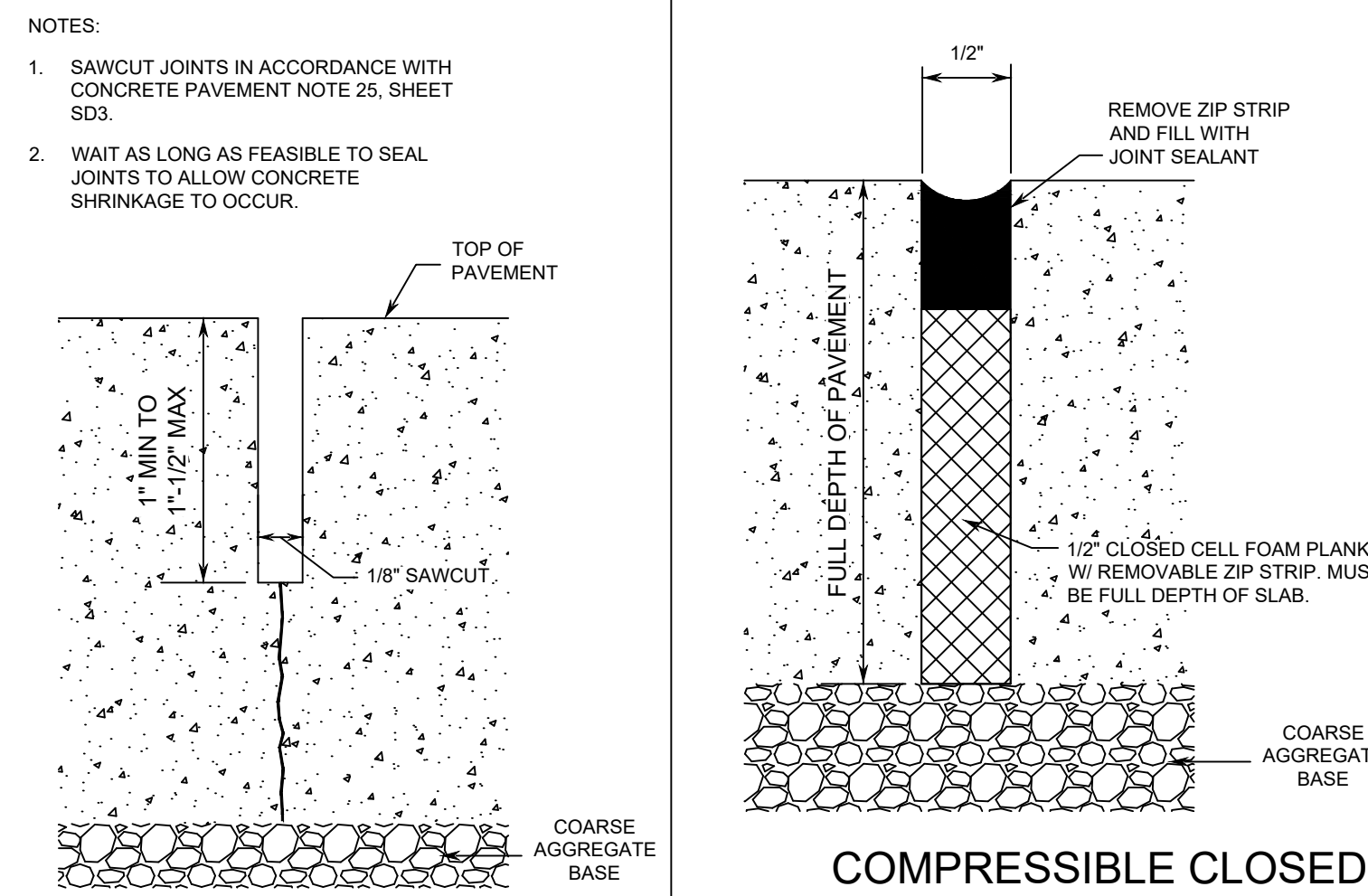
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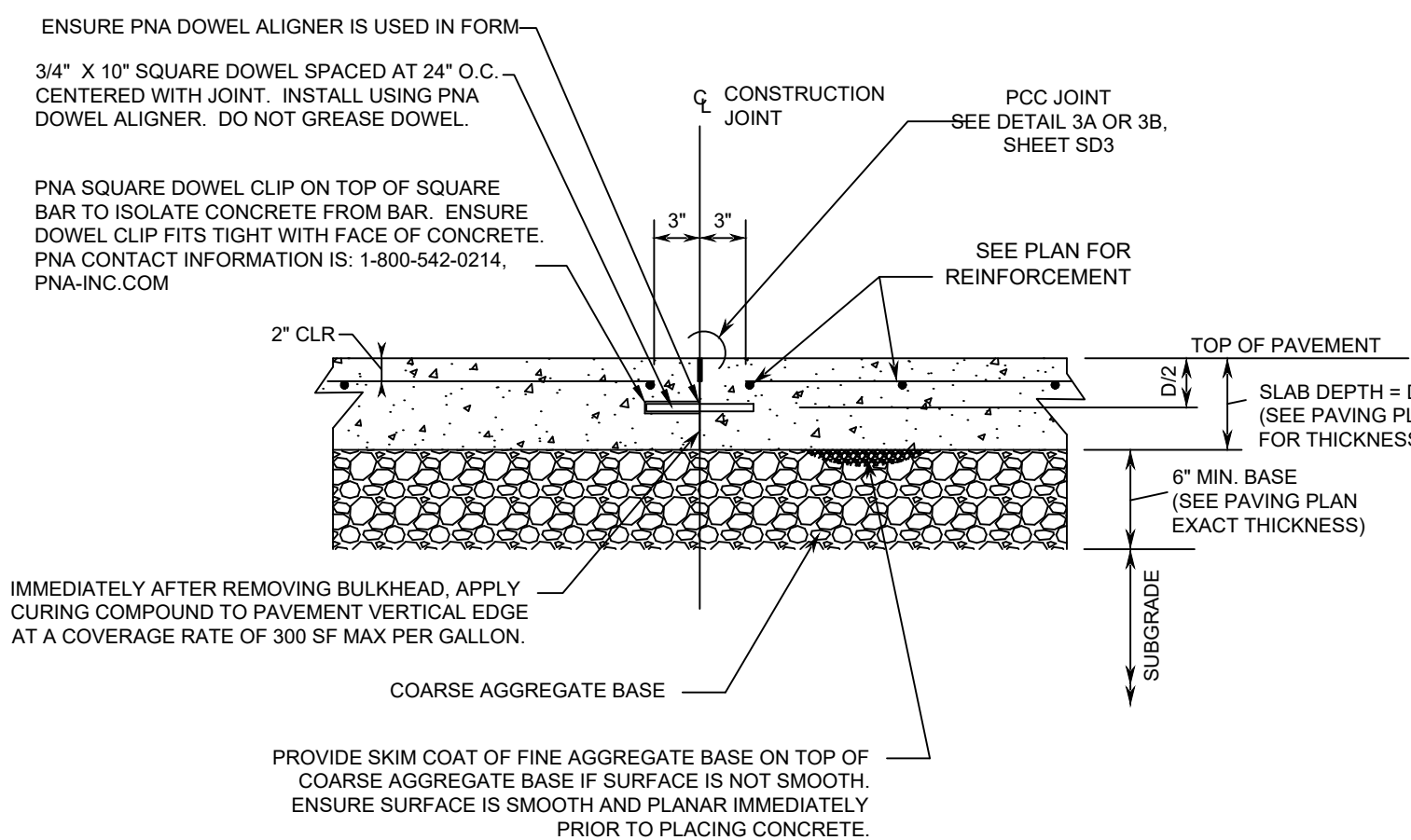
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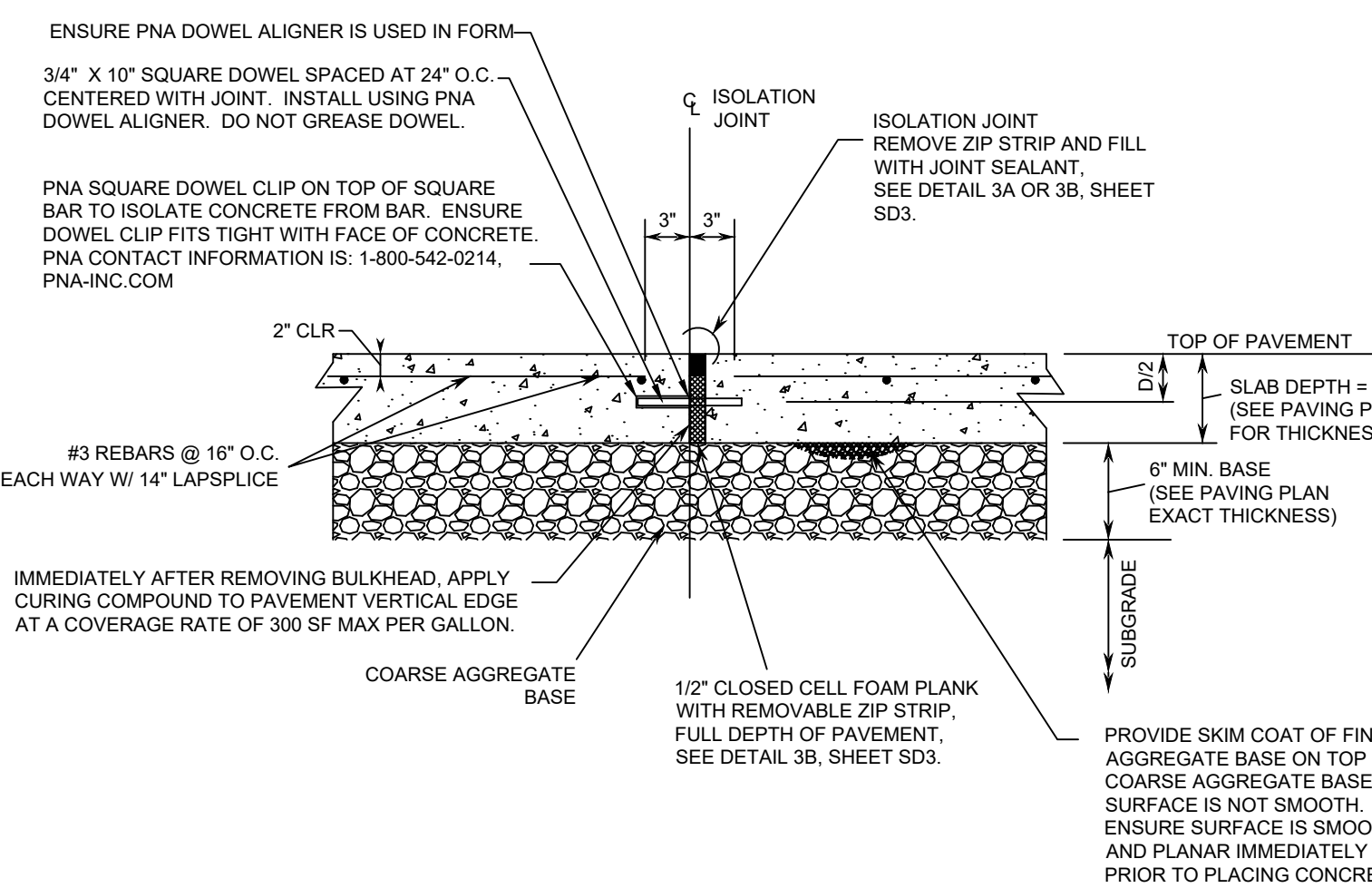
1 SD3 NTS



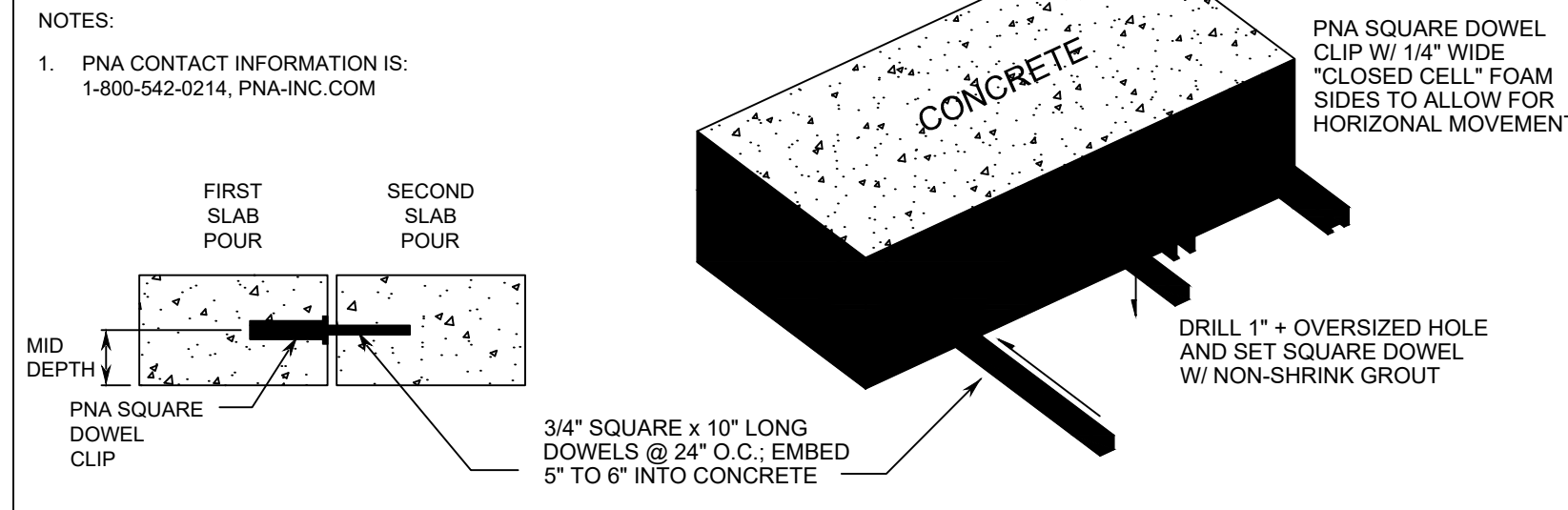
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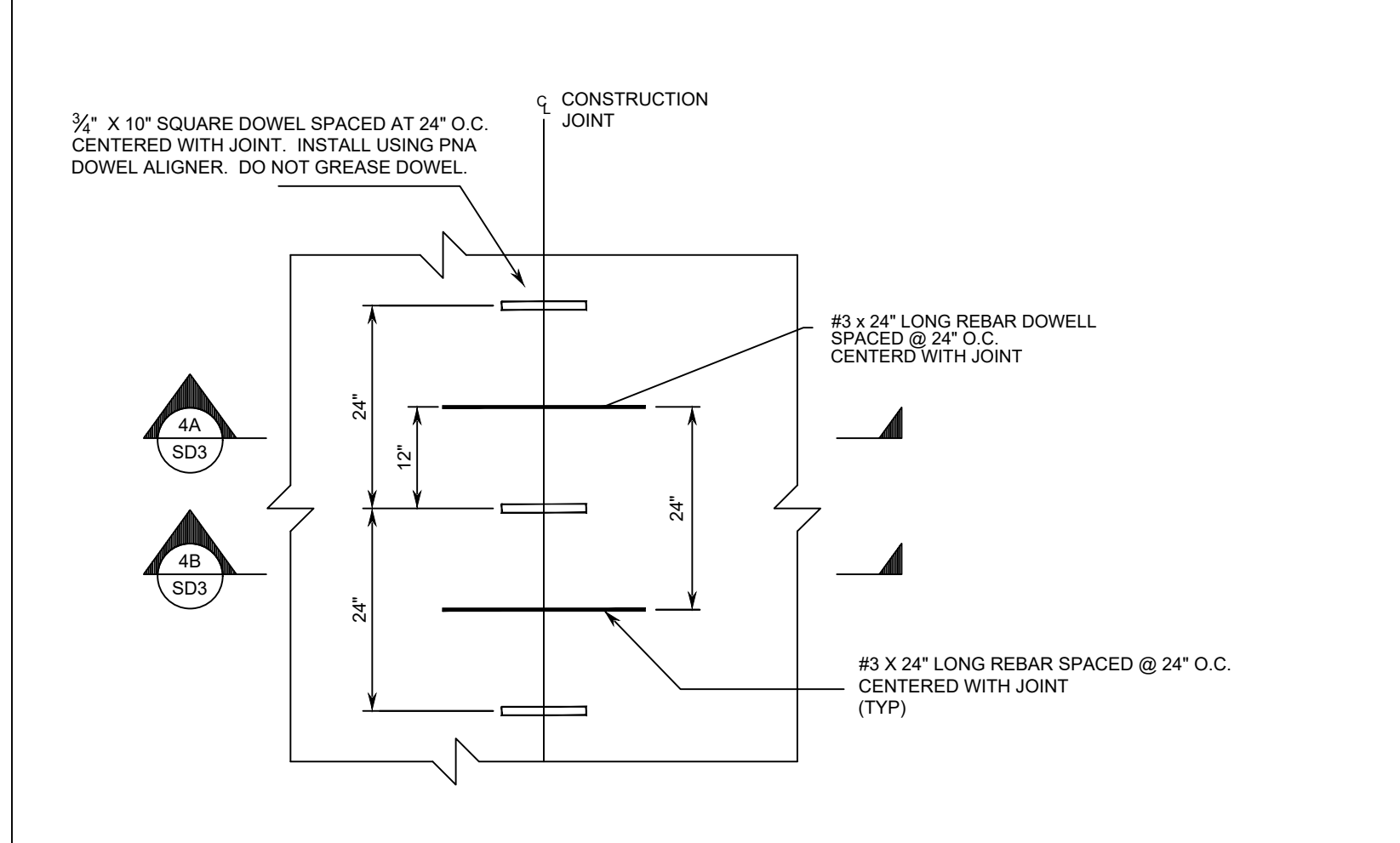
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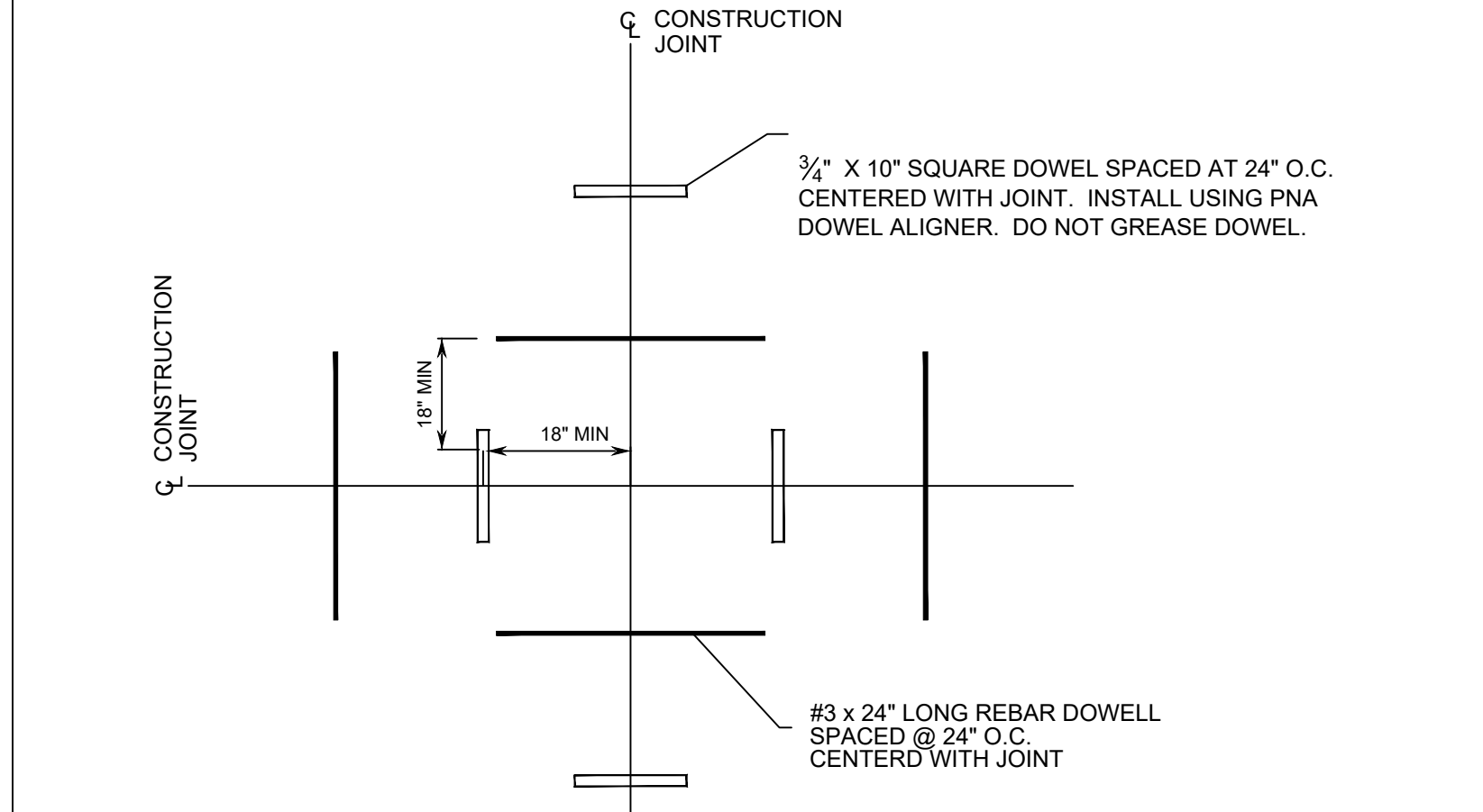
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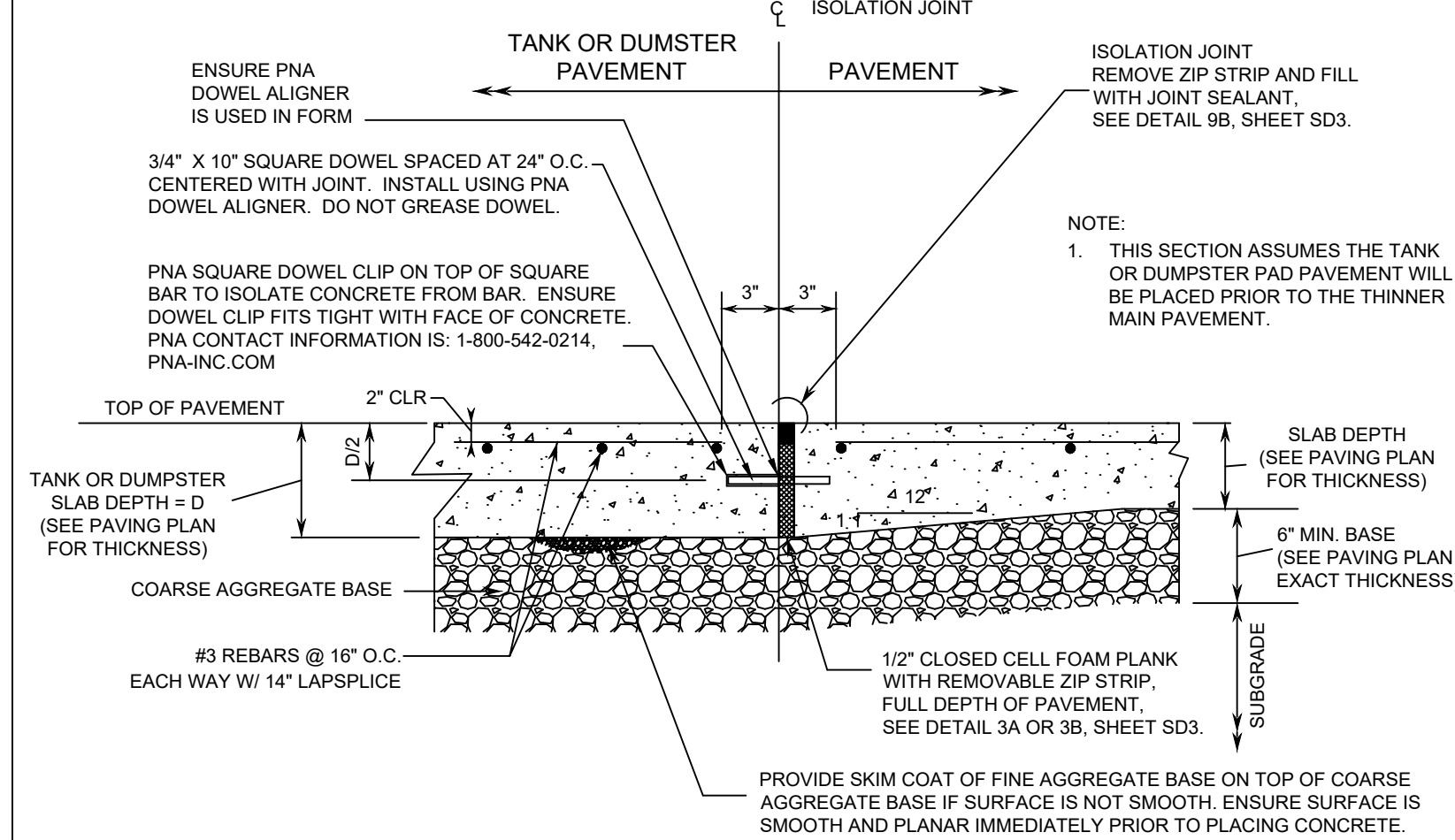
2 SD3 NTS



4 SD3 NTS



4C SD3 NTS



5B SD3 NTS

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3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.546.8100
FAX: 770.441.0298
www.gaskinslecraw.com
P-2646

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RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT: **RACETRAC - CLAYTON**
18 DISTRICT LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

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FOR INFORMATIONAL PURPOSES ONLY

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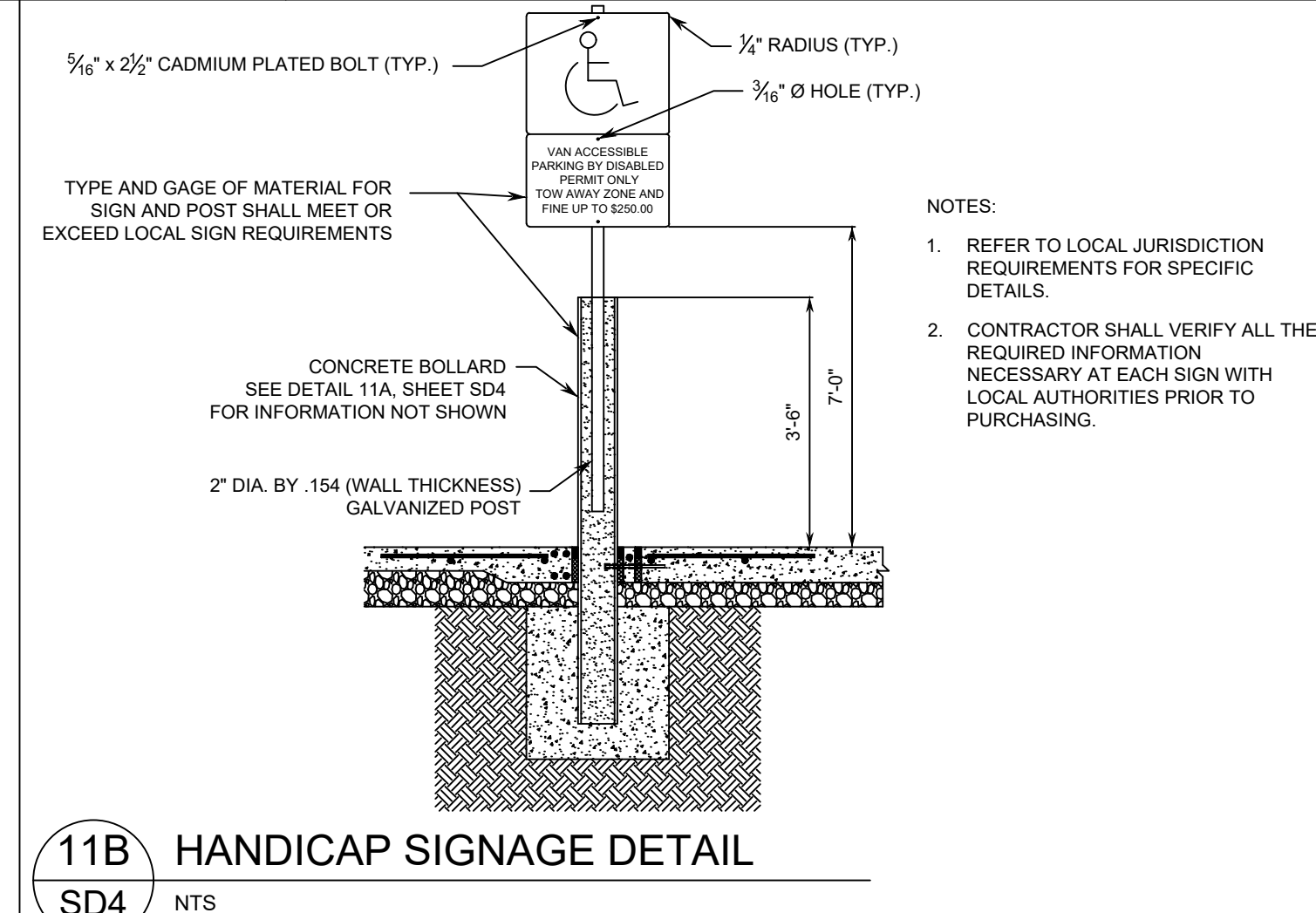
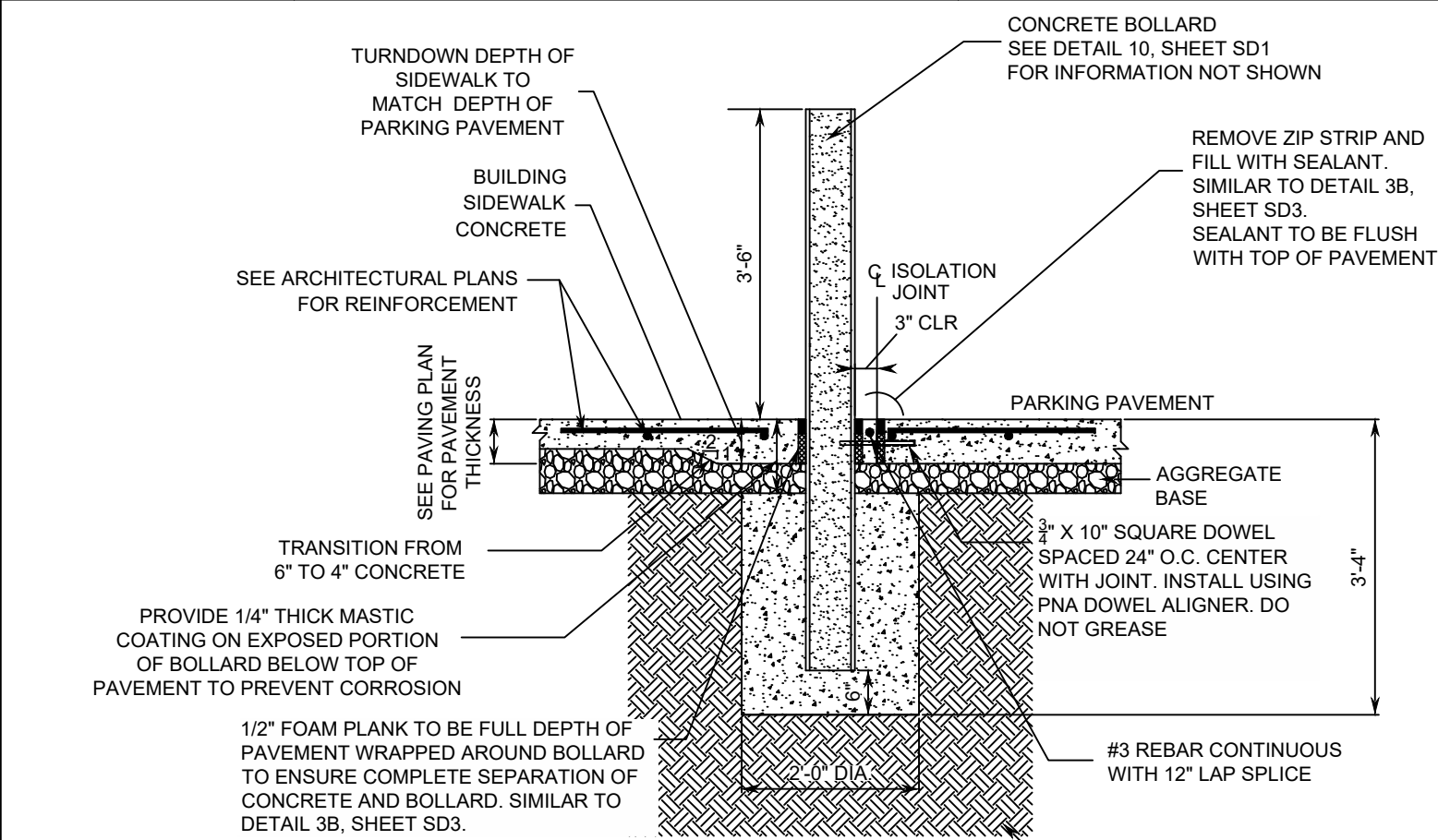
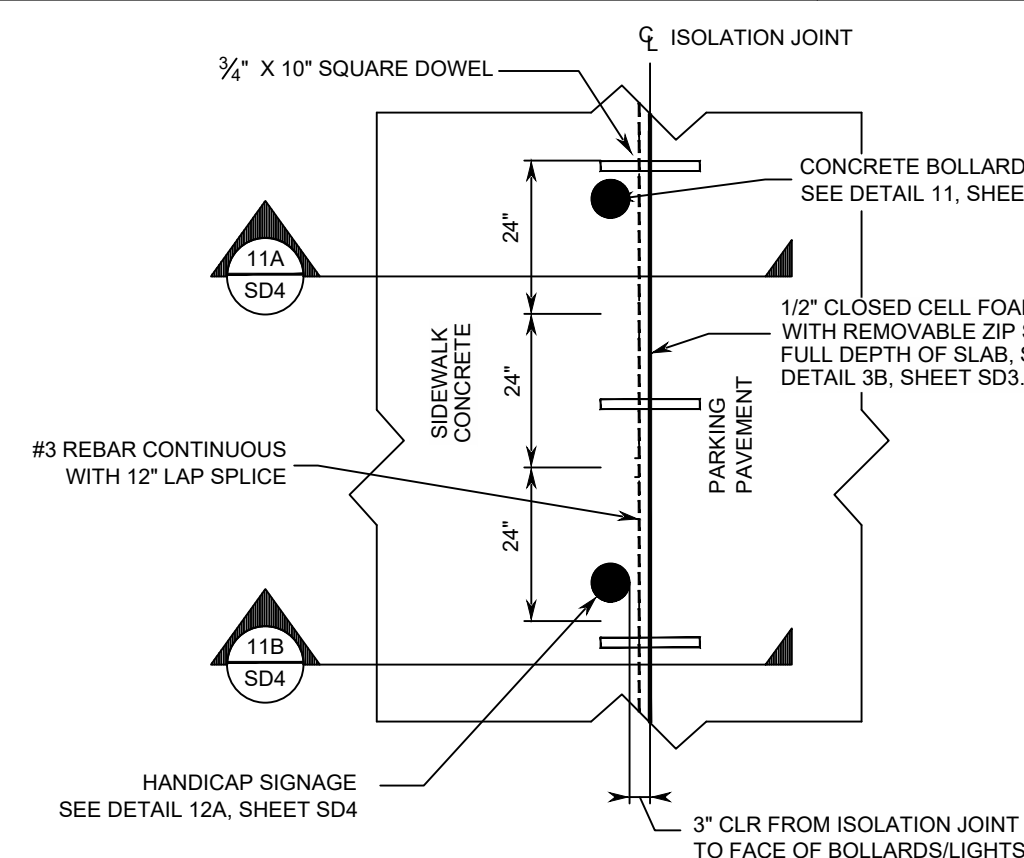
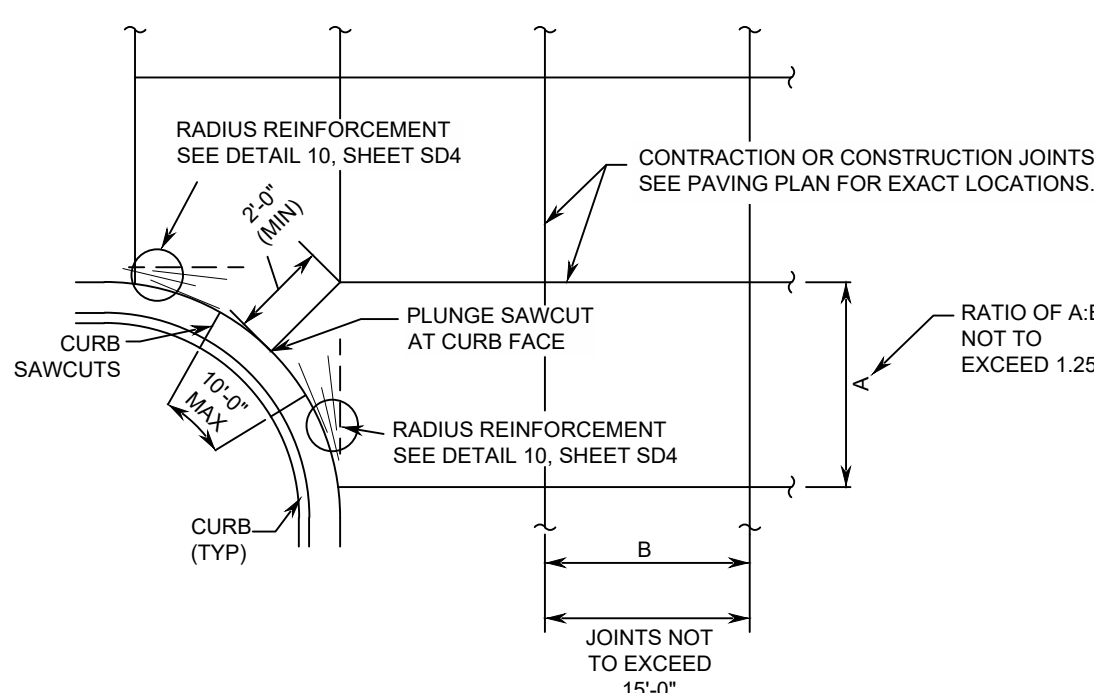
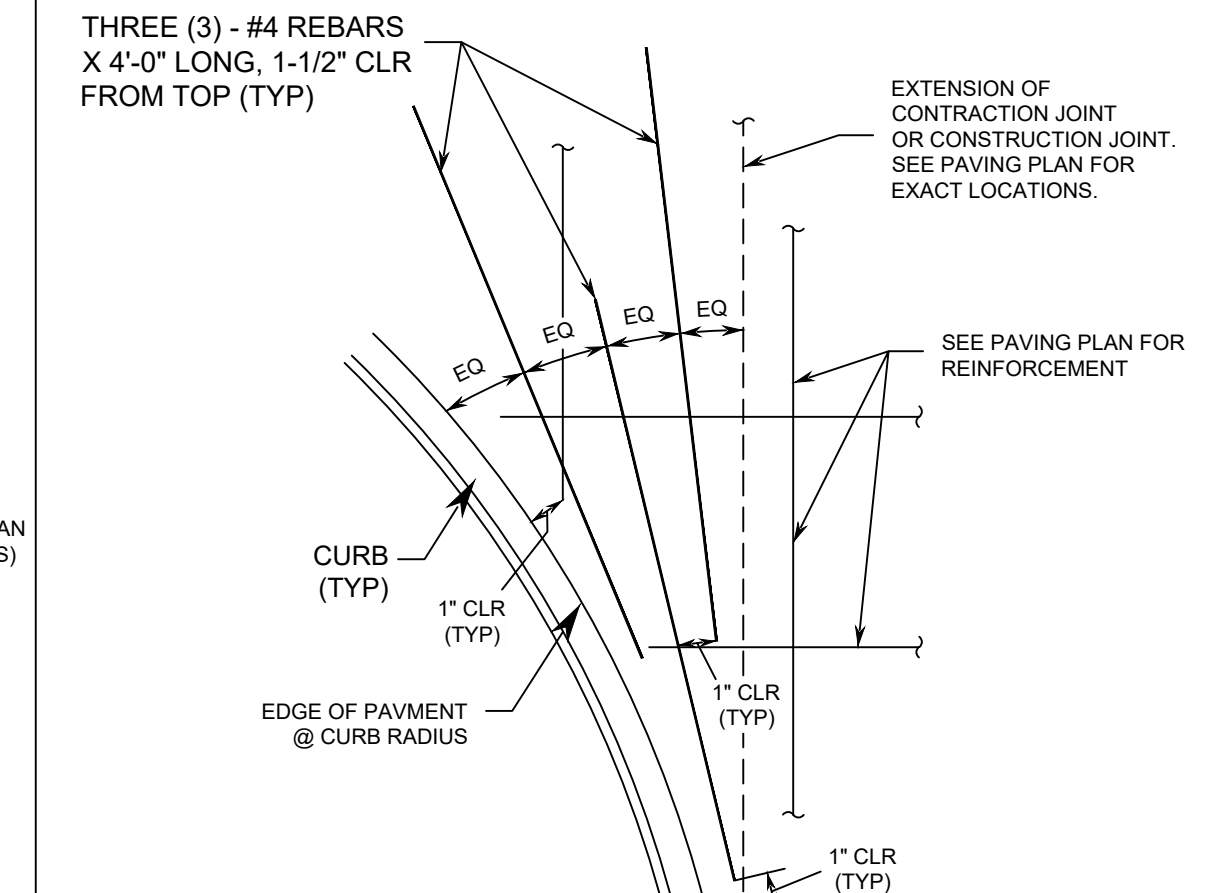
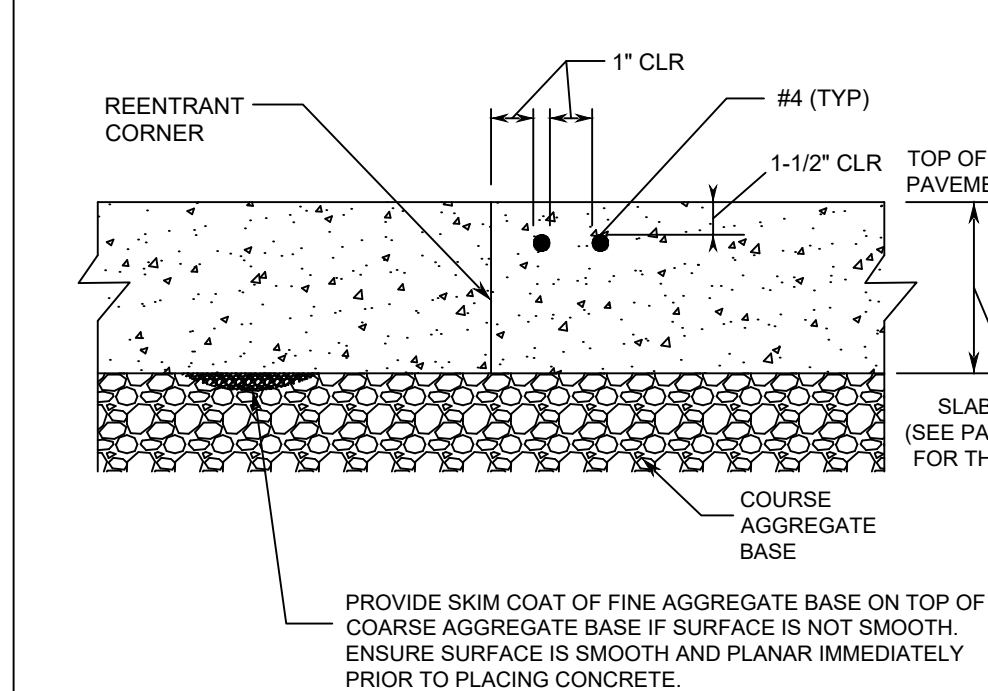
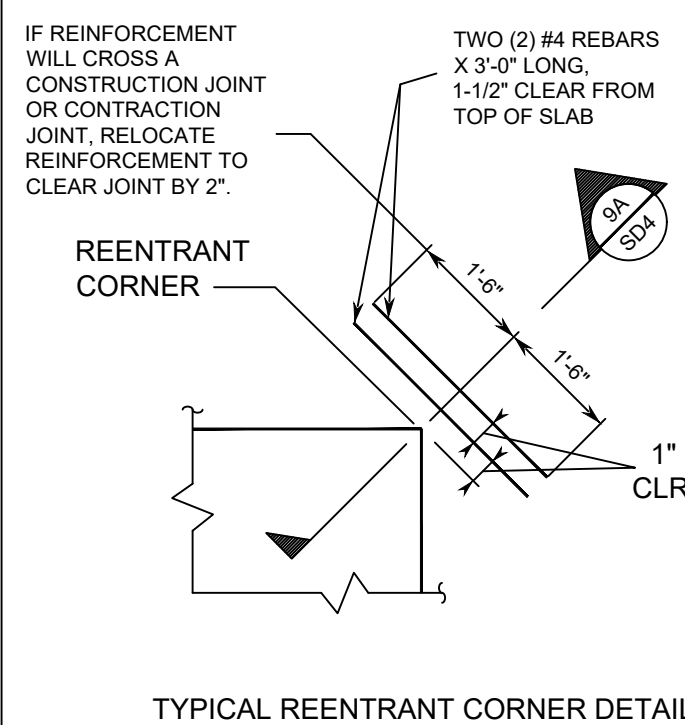
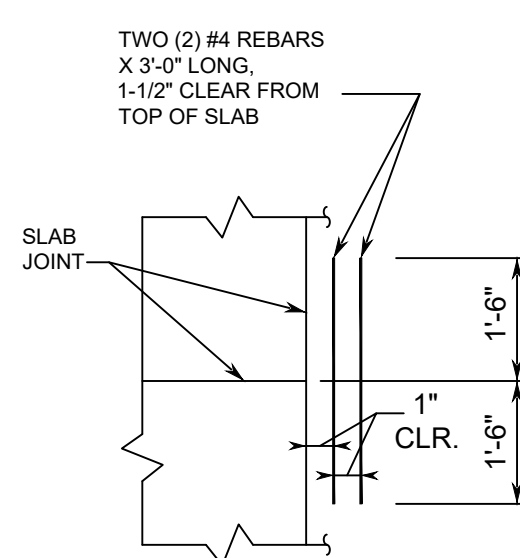
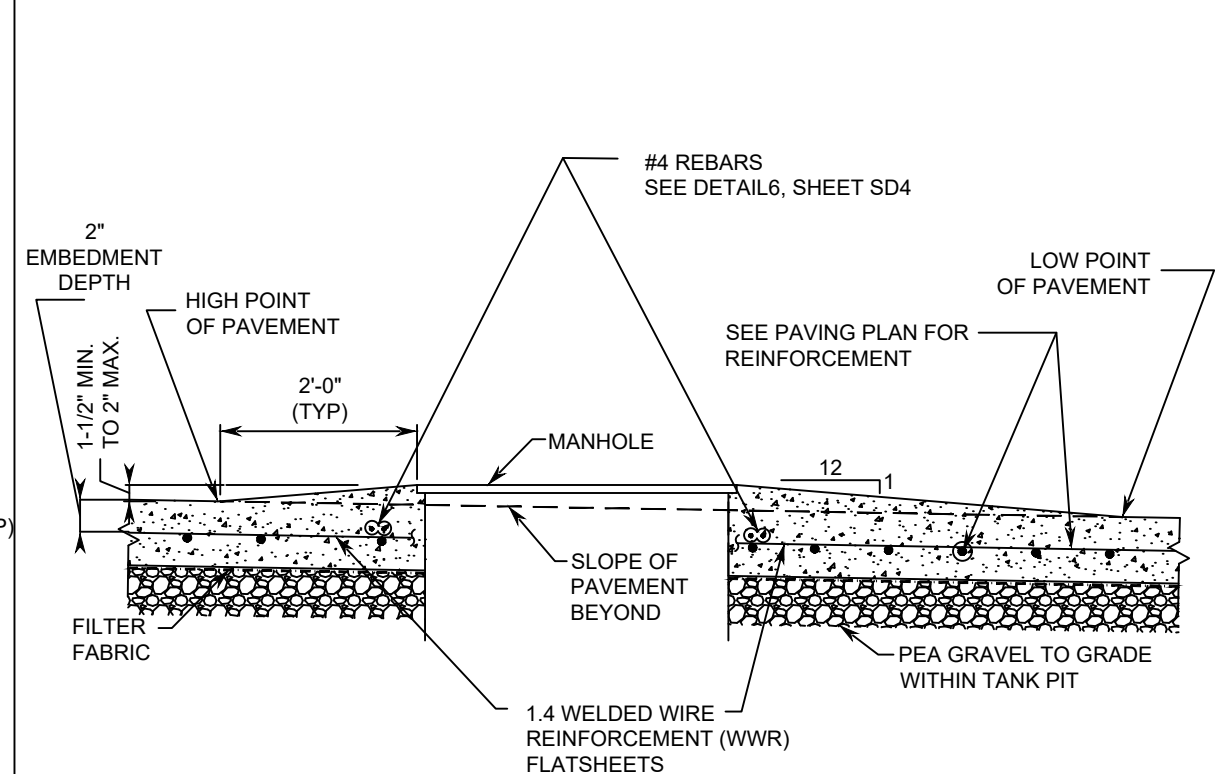
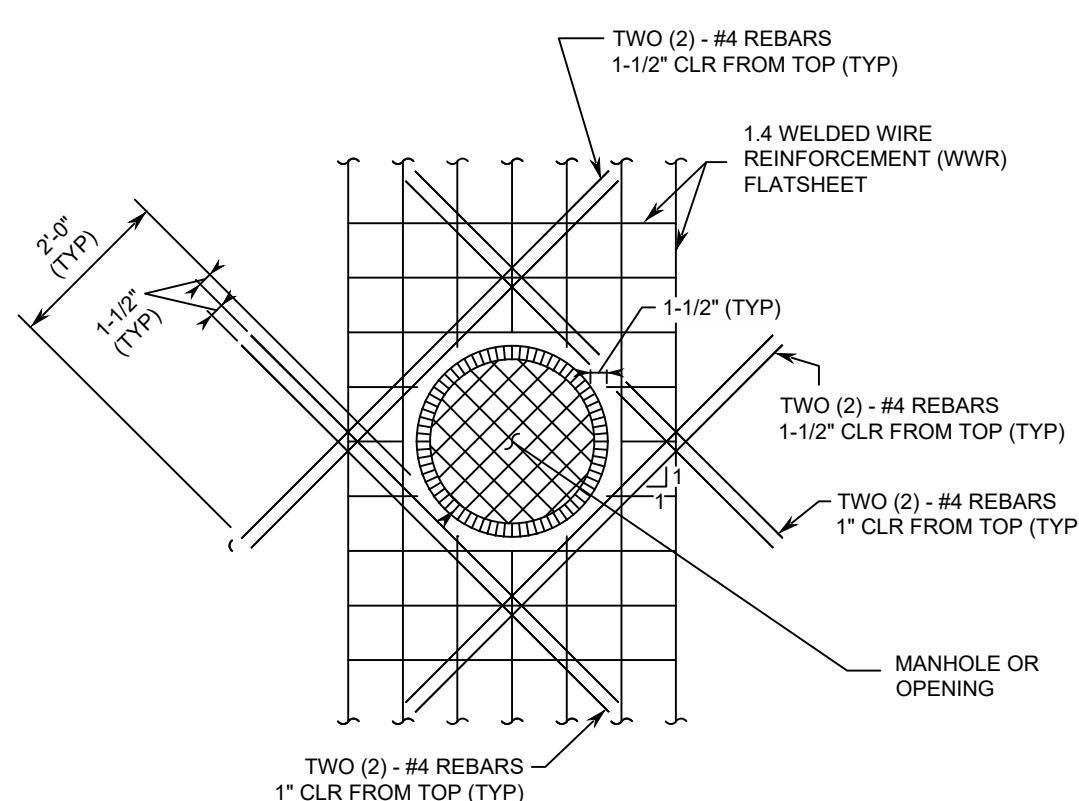
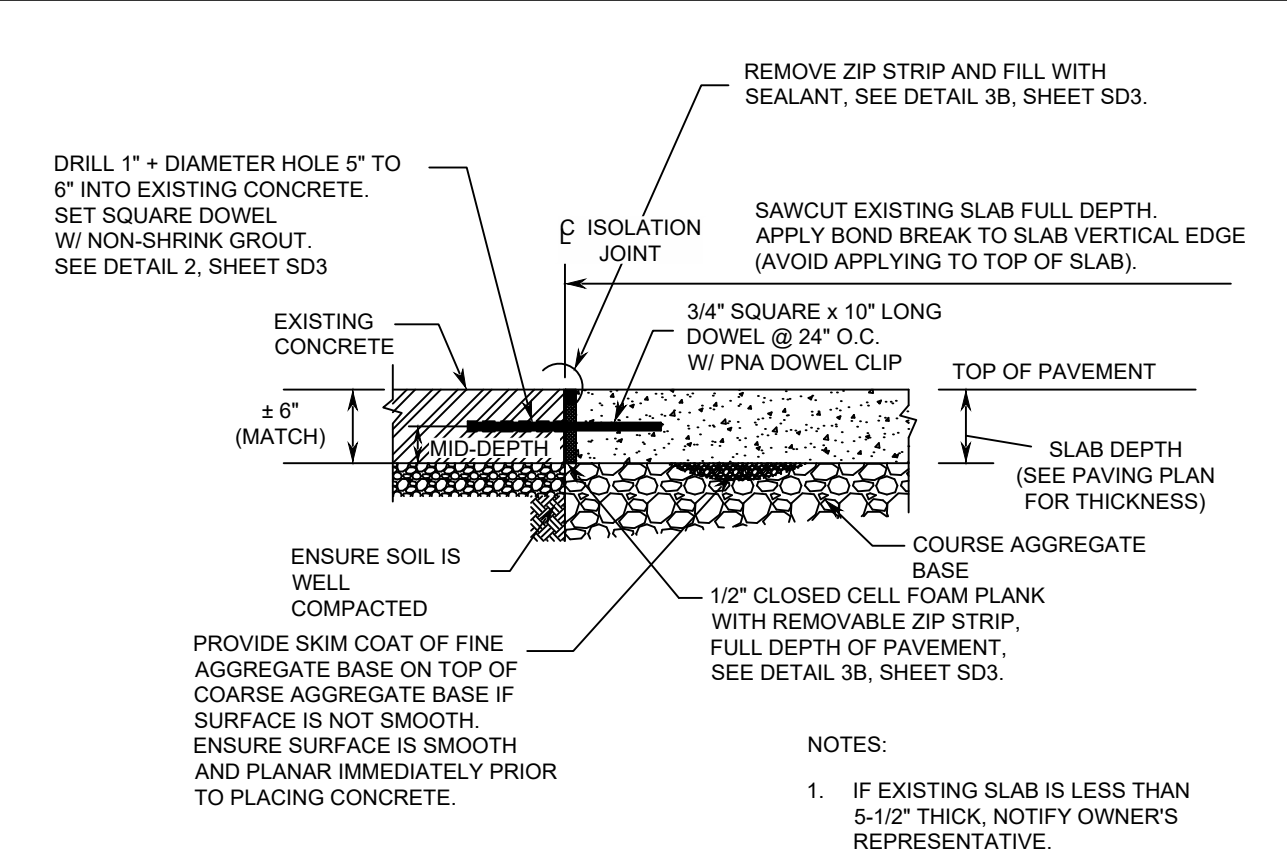
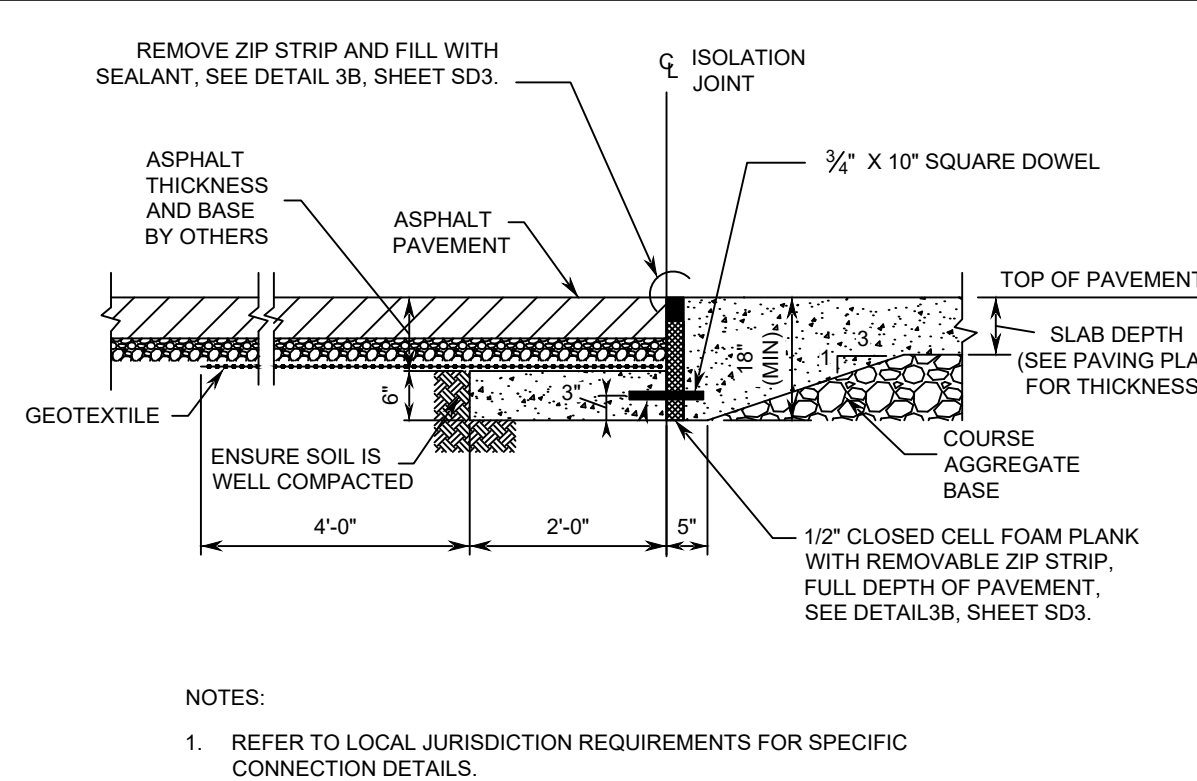
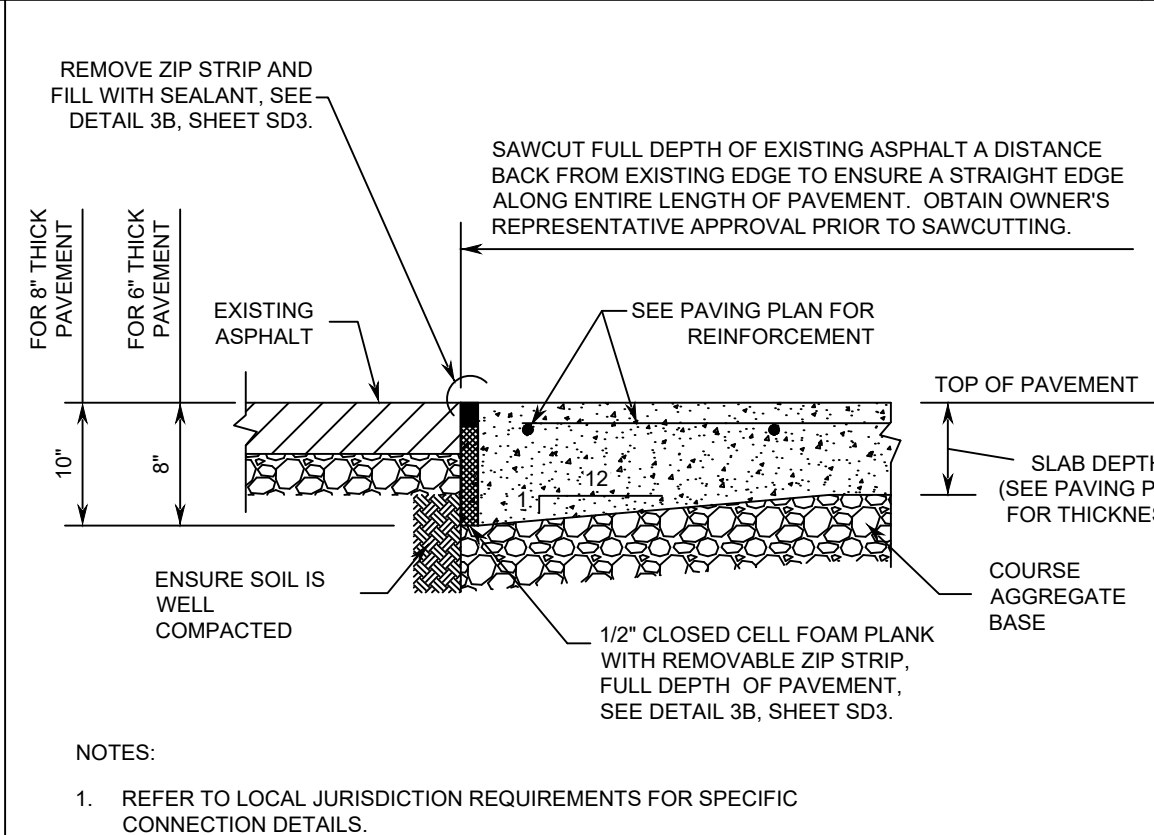
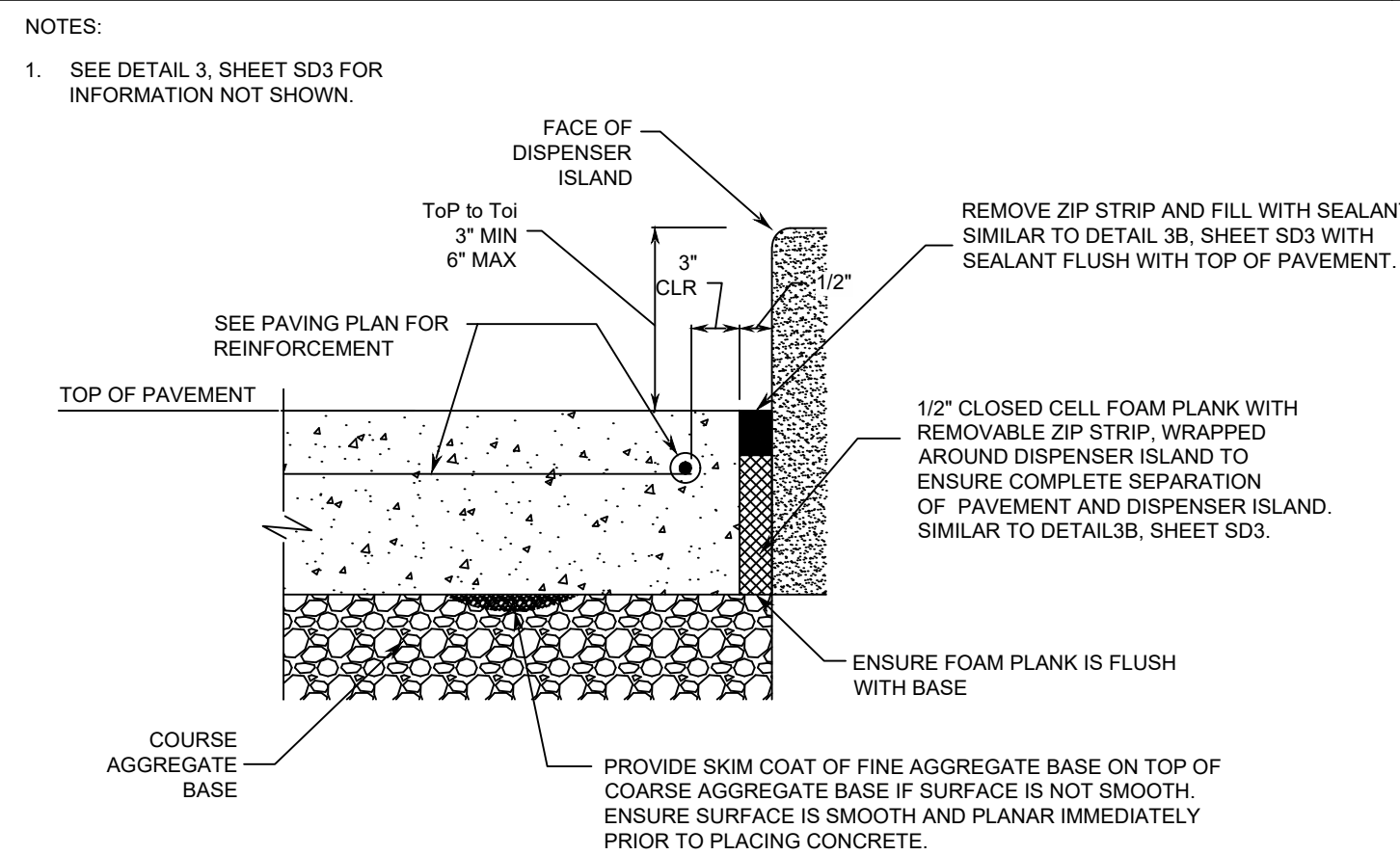
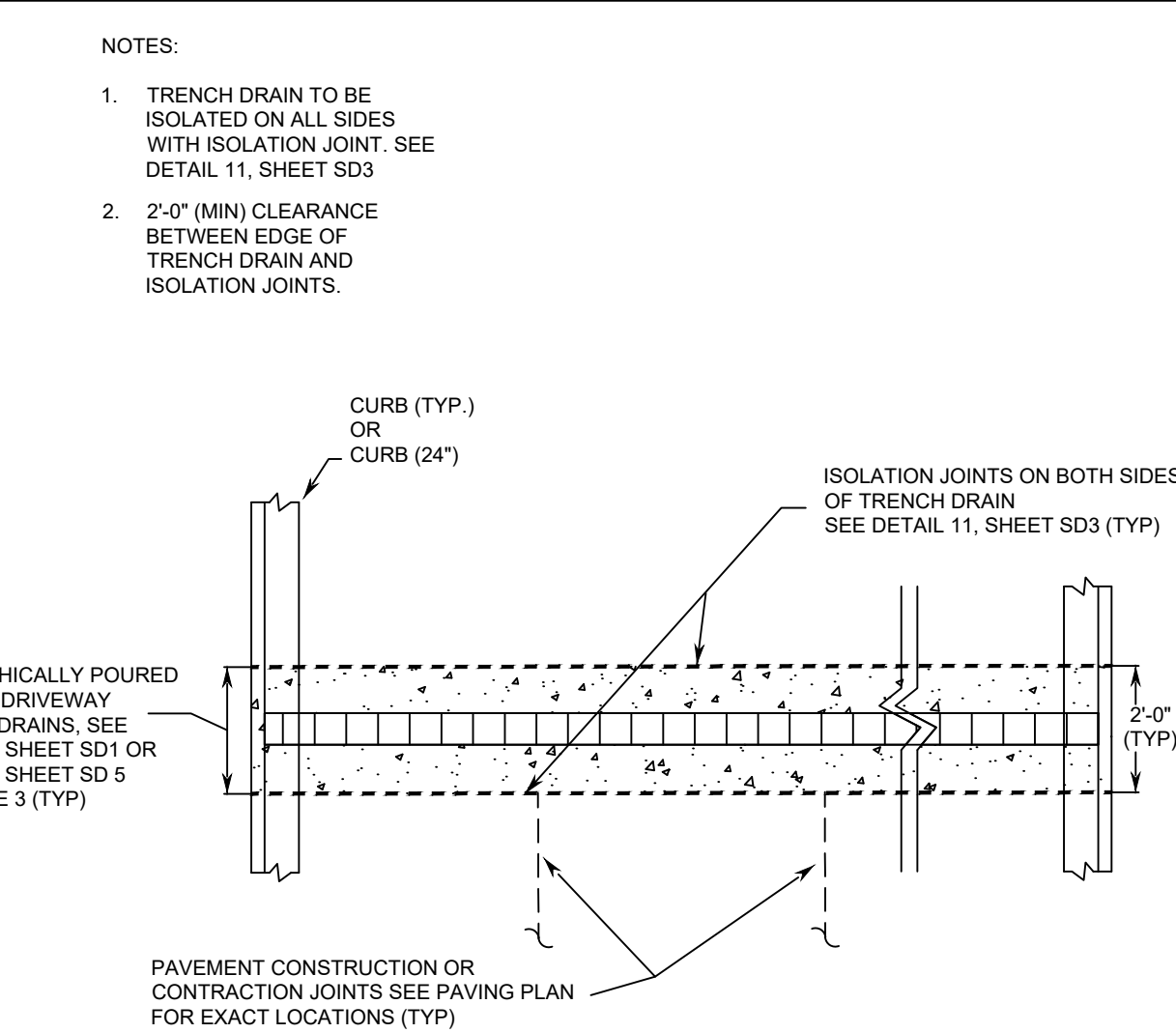
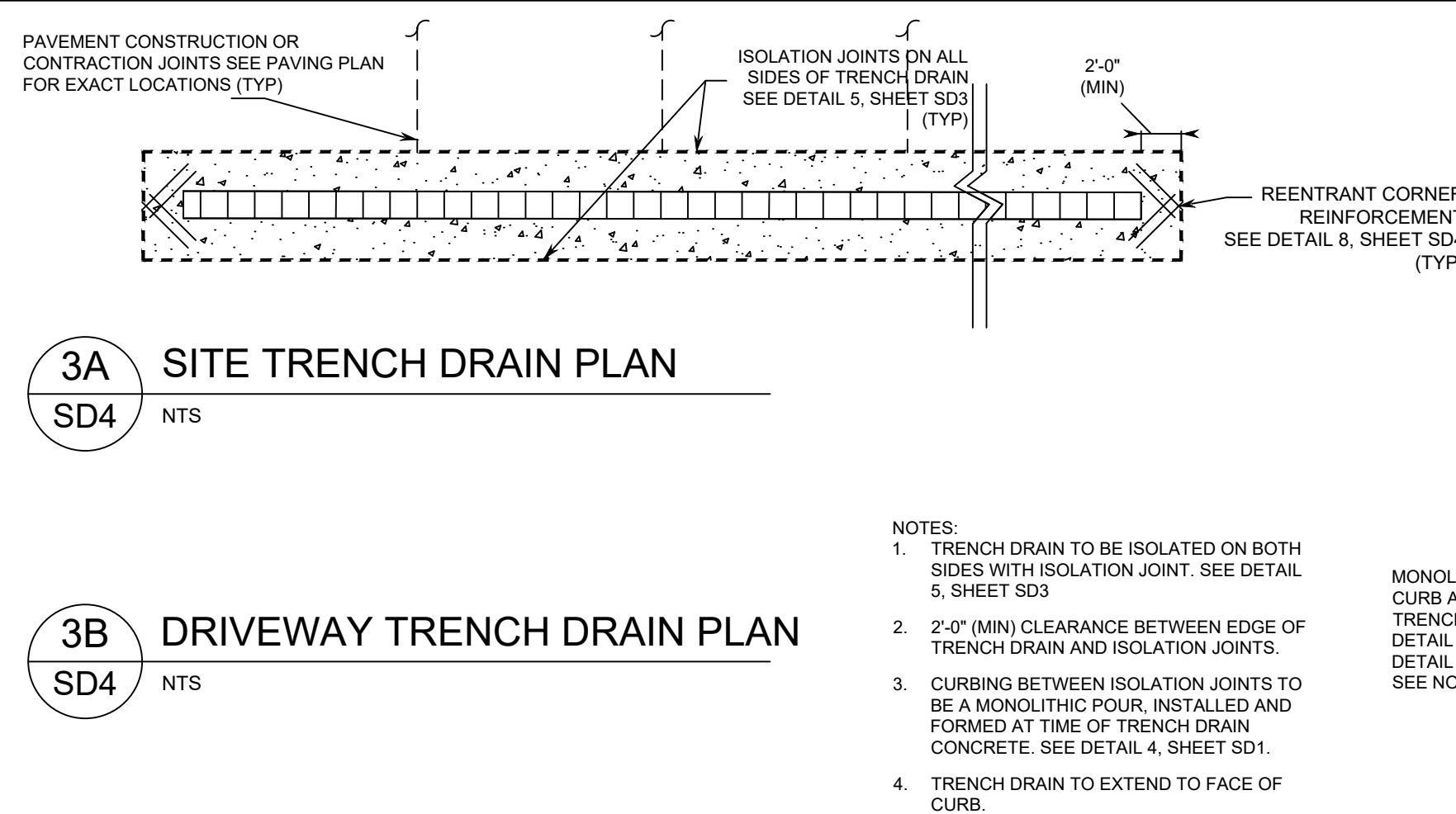
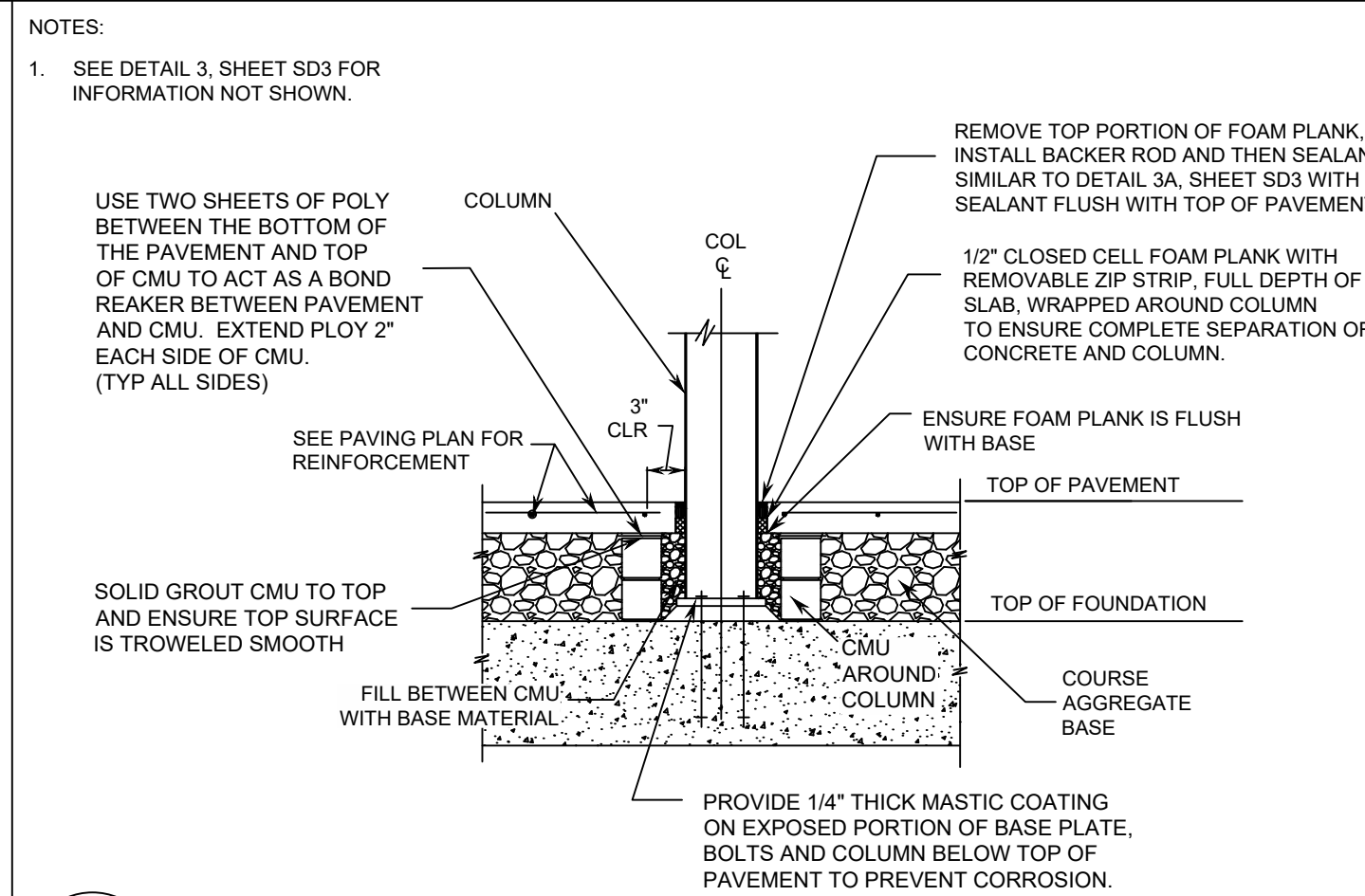
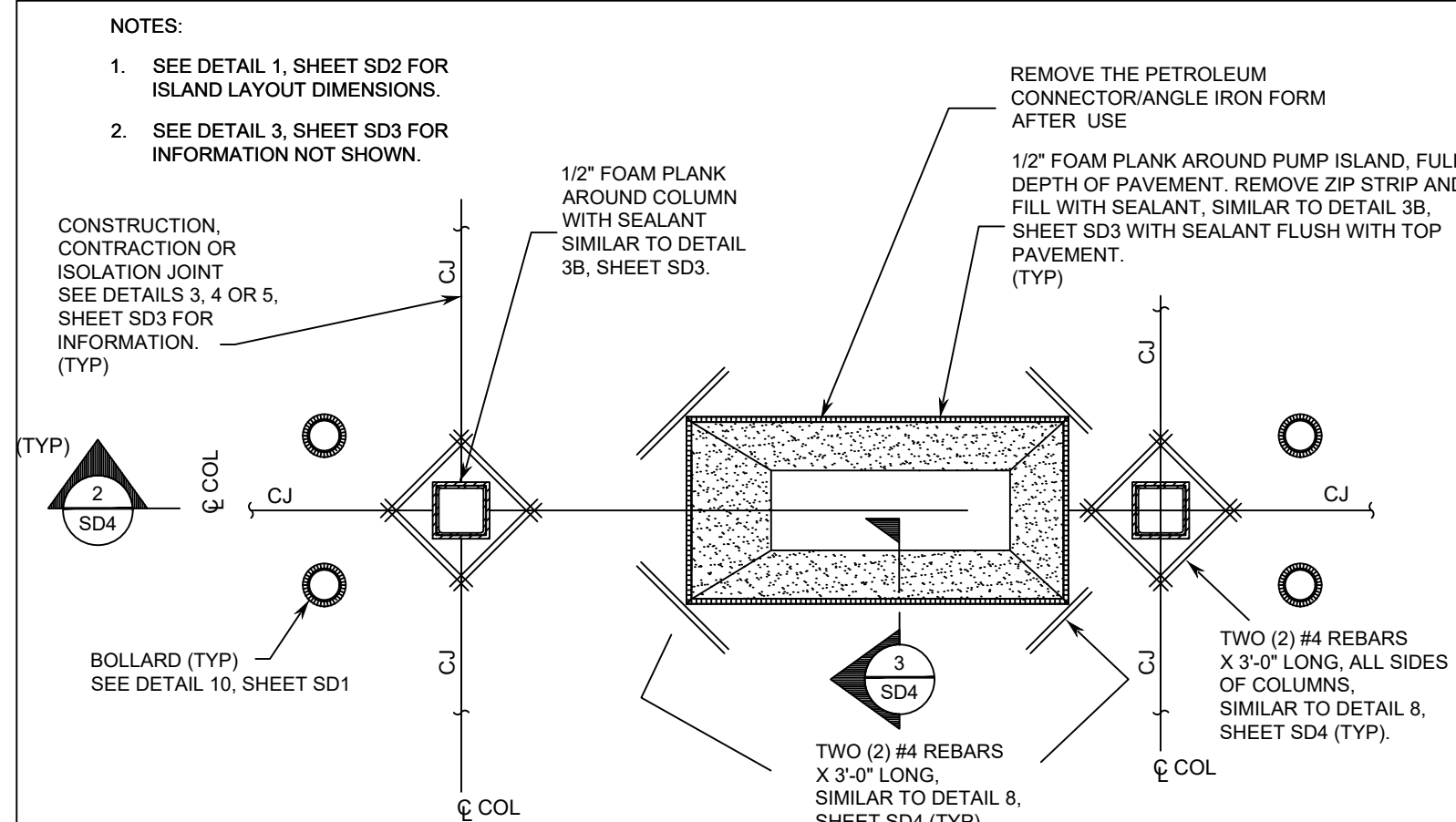
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DETAILS ARE DRAWN TO SCALE

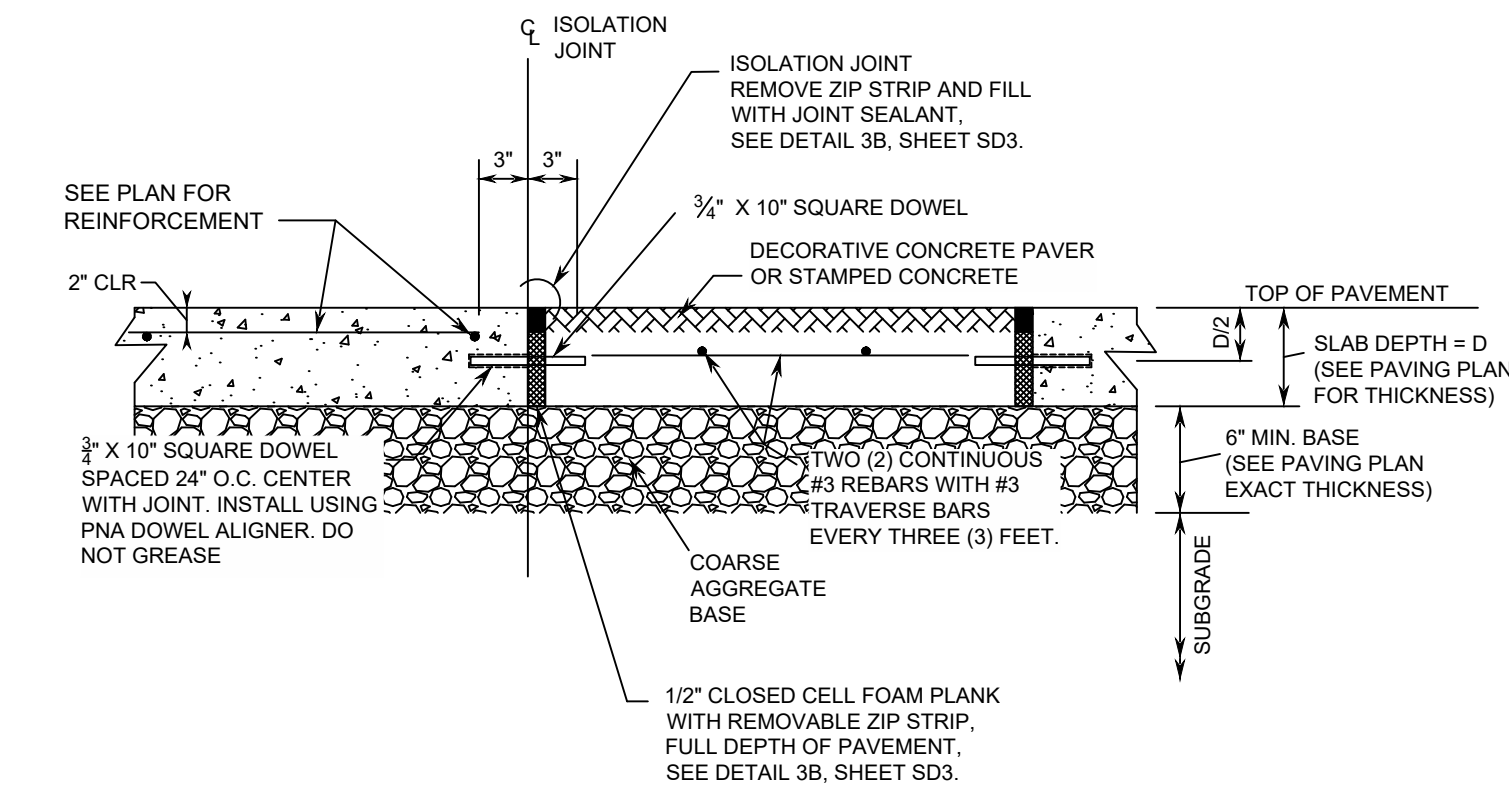
DESIGN INFO:

DRAWN BY: JBB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

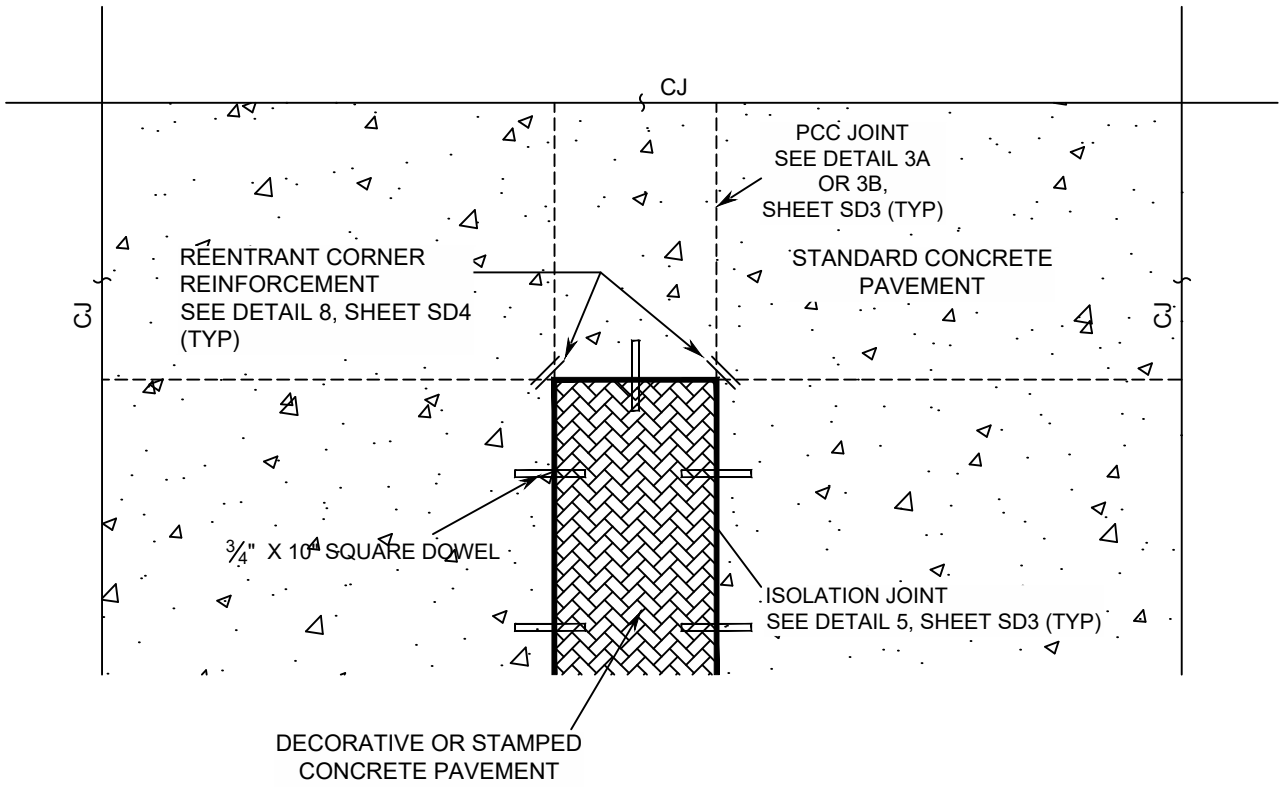
STANDARD DETAILS - 3
SD-3
SHEET NO. REV.



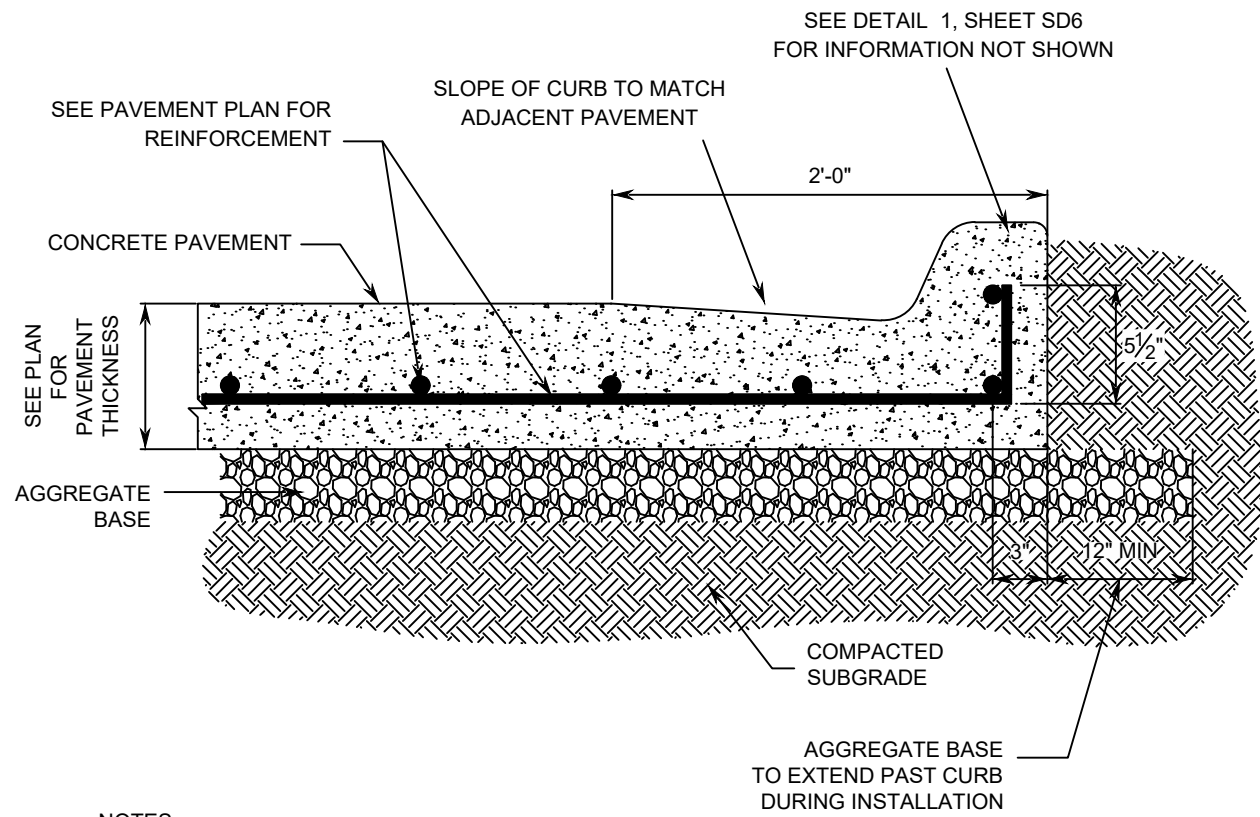
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1 DECORATIVE PAVER SECTION DETAIL
SD5 NTS

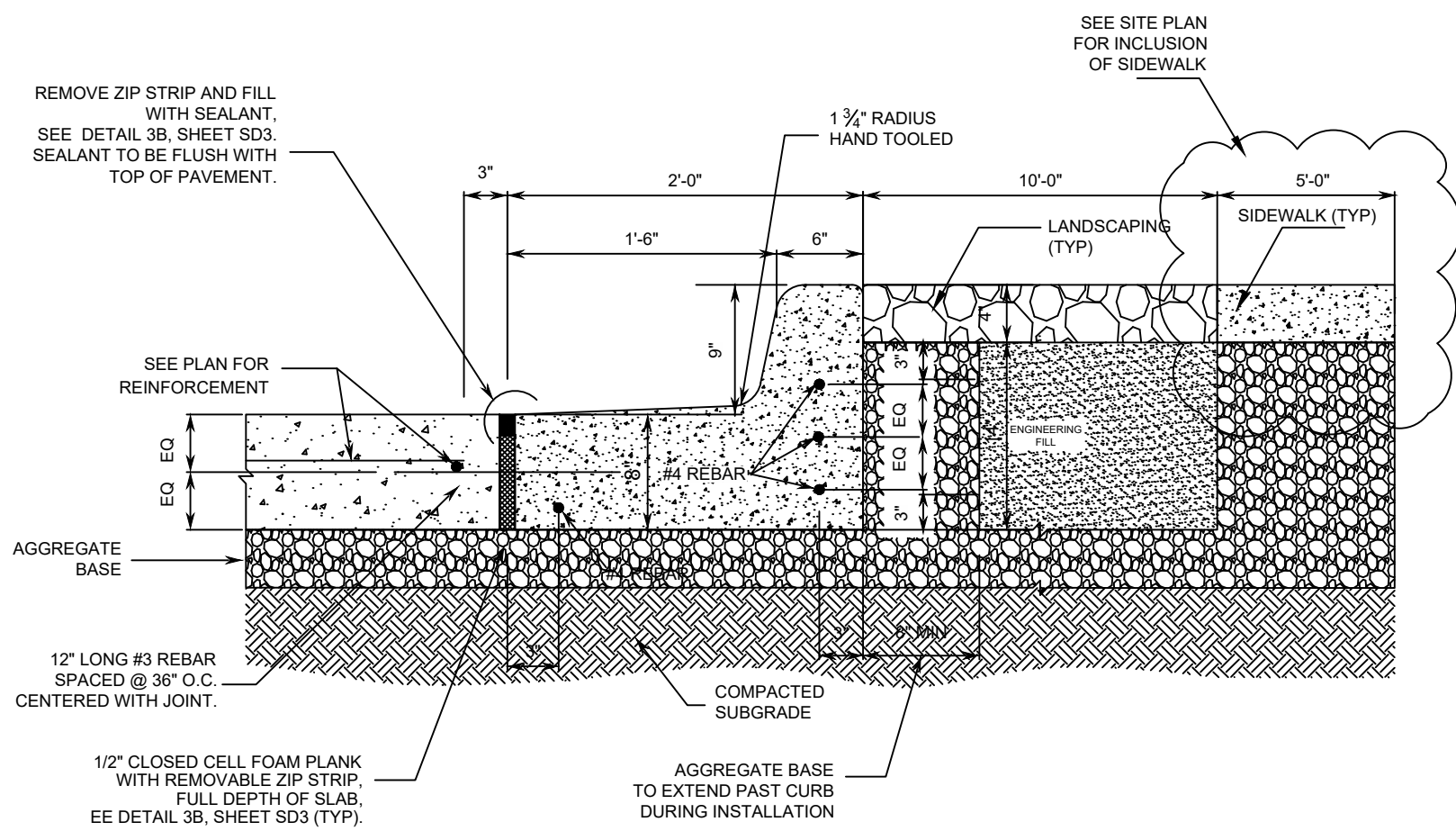


2 DECORATIVE PAVER PARTIAL PLAN
SD5 NTS



- NOTES:
- CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 - SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 - SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 - THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE DRIVEWAY TRENCH DRAINS. SEE PLAN FOR LOCATIONS.

3 MONOLITHIC CURB (L-BACK) DETAIL
SD5 NTS



- NOTES:
- CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
 - SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
 - SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 3A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
 - USE THIS DETAIL WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.
 - DETAIL ONLY TO BE USED FOR THE BACK CURB OF TRUCK PARKING AREAS, NOT ALONG THE SIDES

4 TRUCK PARKING CURB
SD5 NTS

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GASKINS + LECRAW
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3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE: 678.548.8100
FAX: 770.441.0295
www.gaskinslecraw.com
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CLIENT
RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABIN COUNTY, GEORGIA

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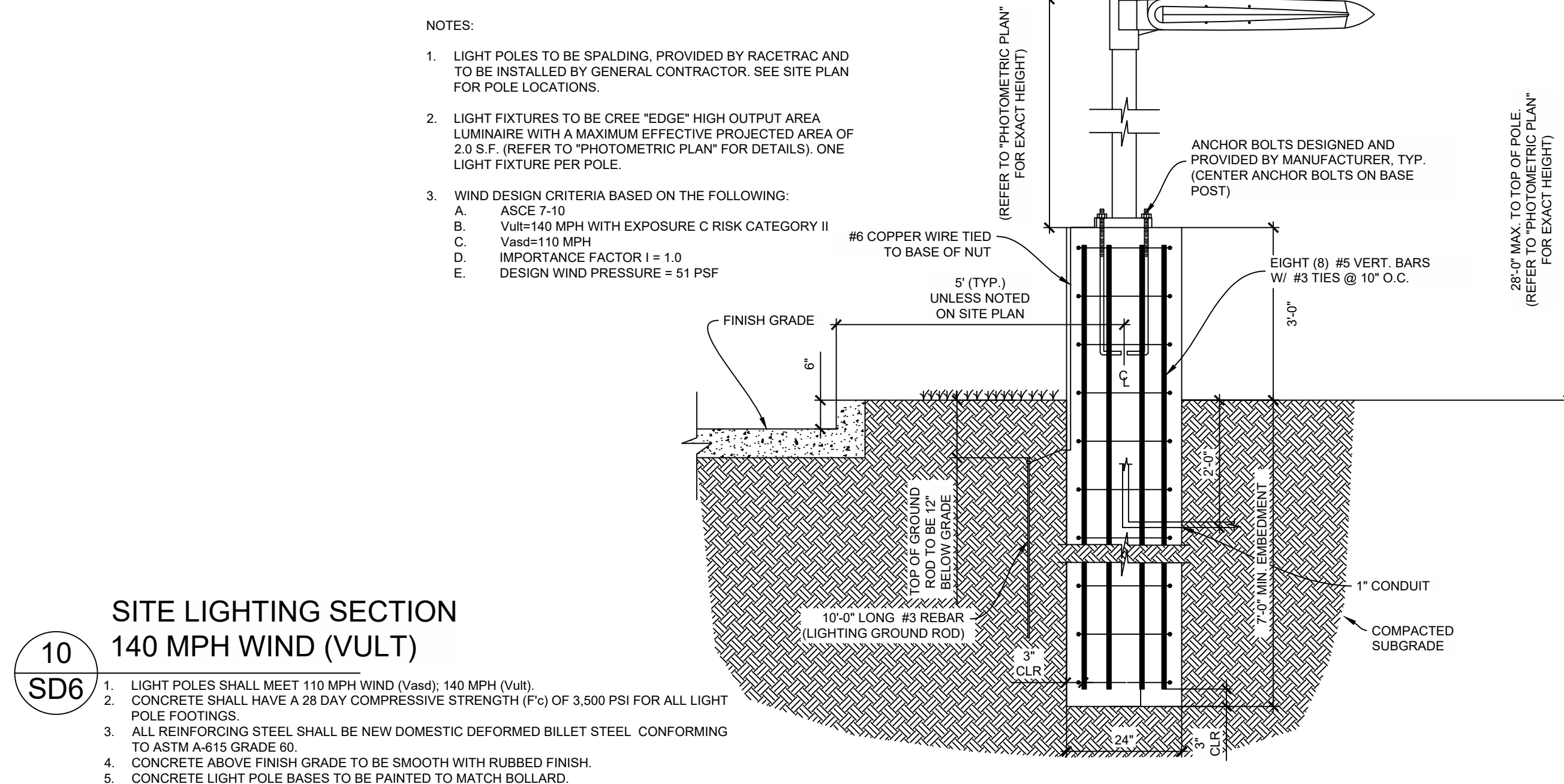
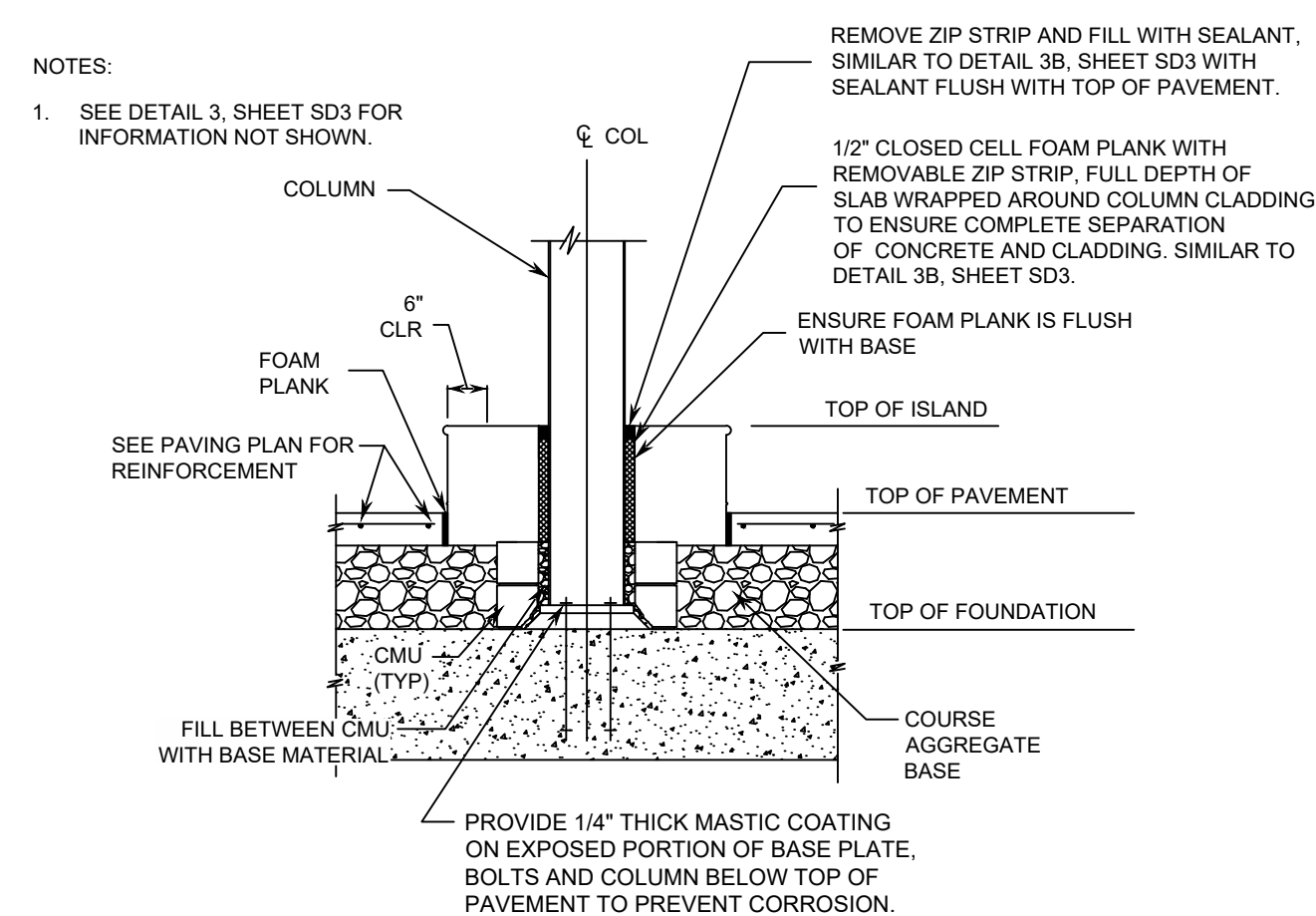
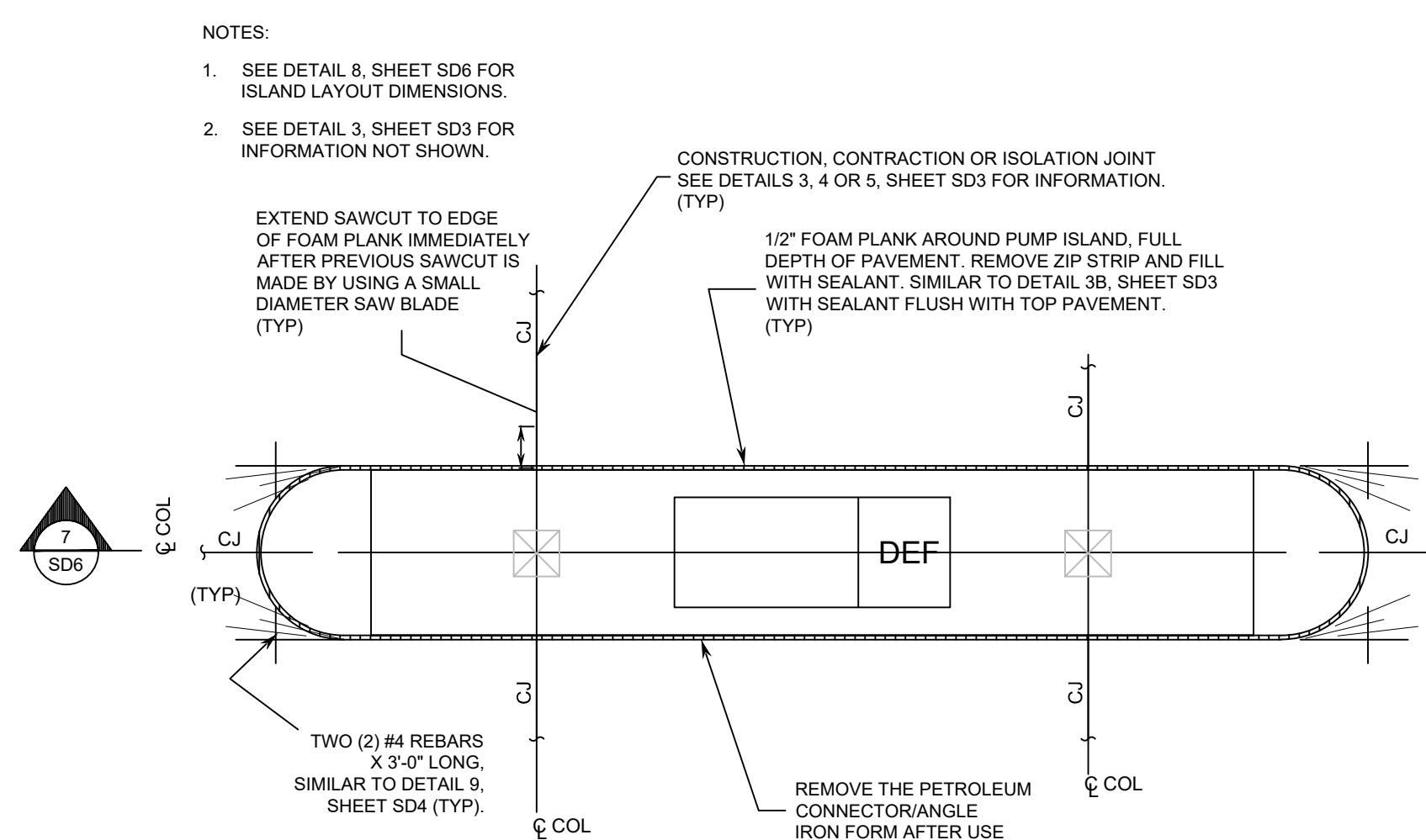
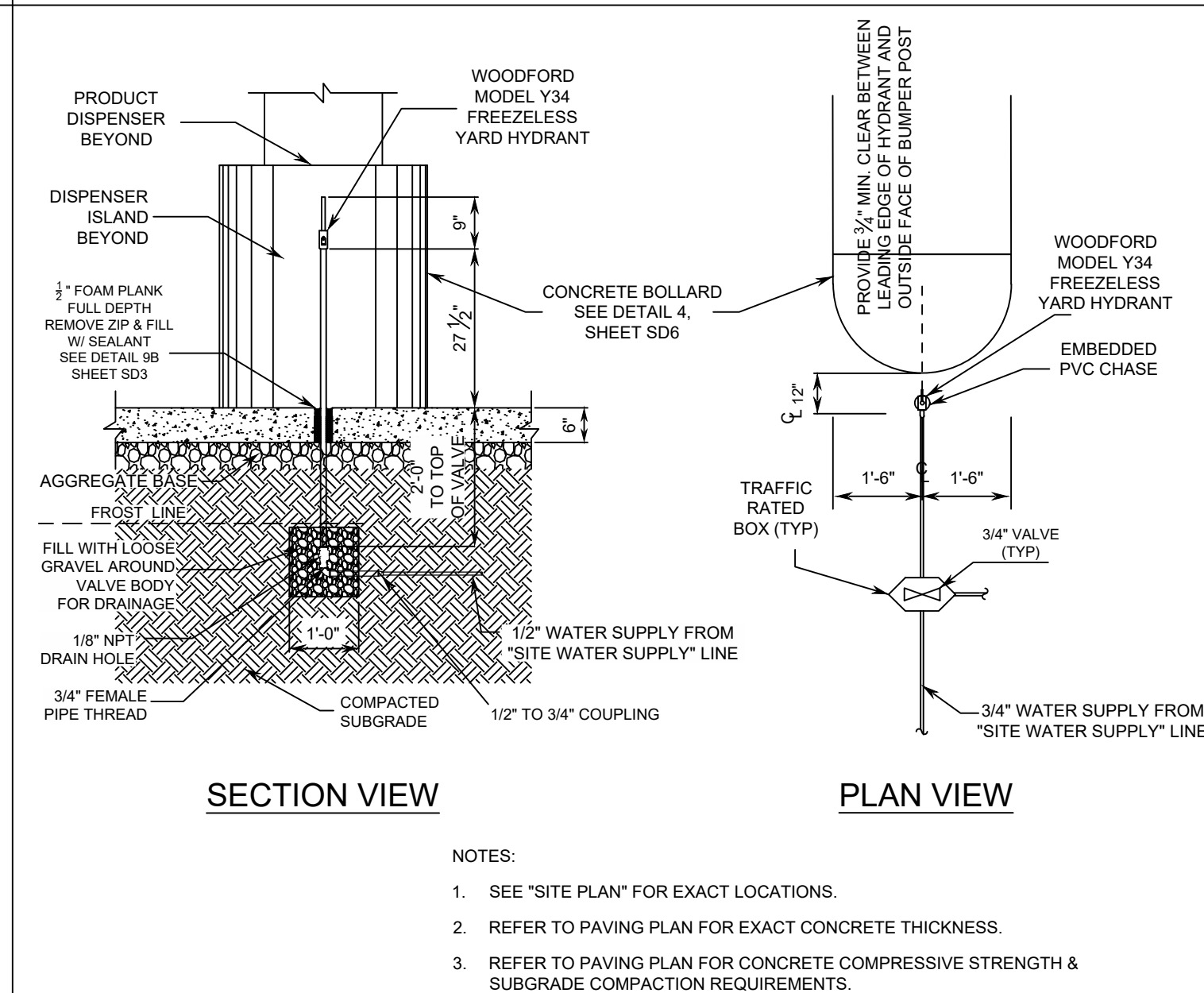
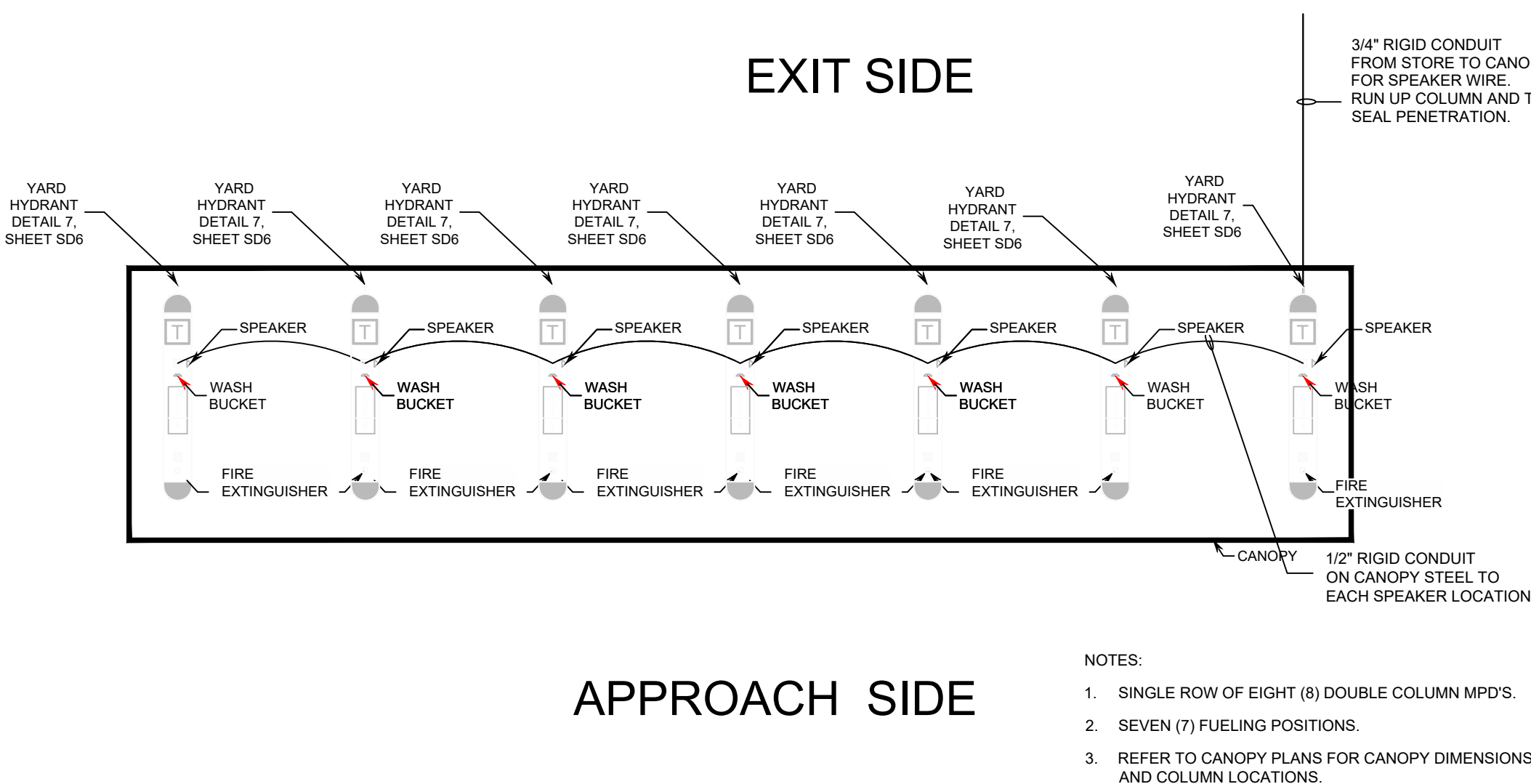
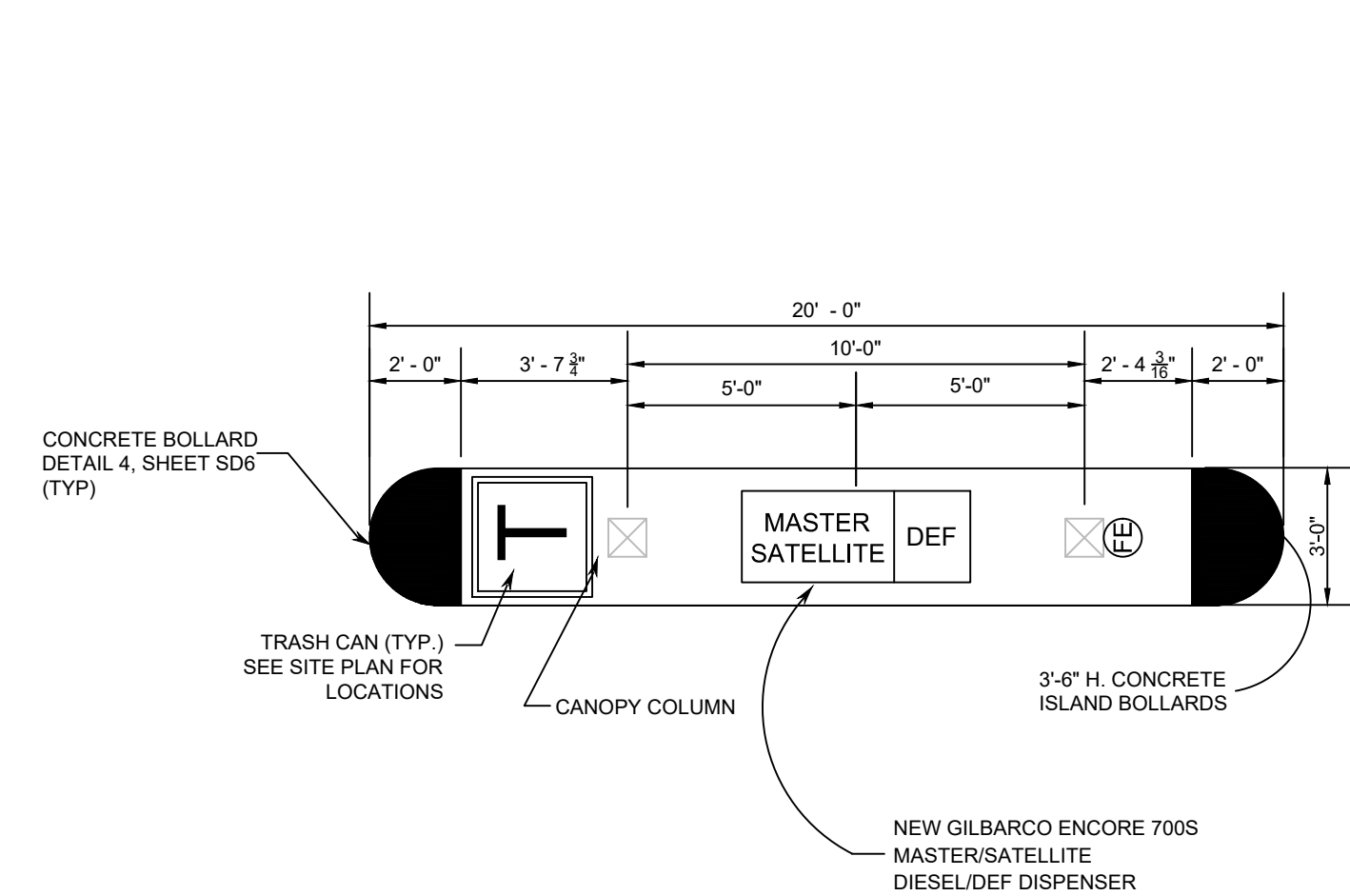
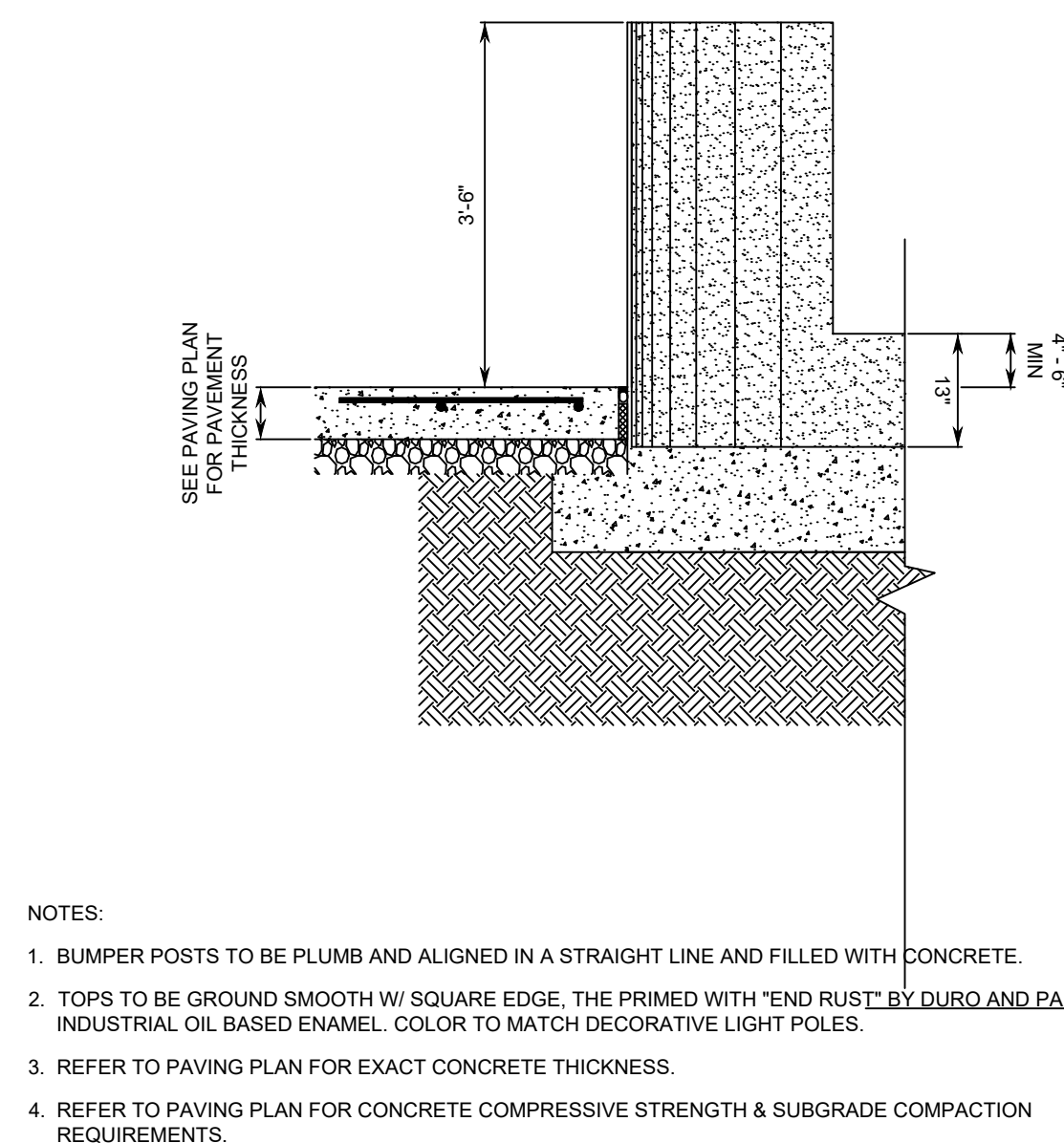
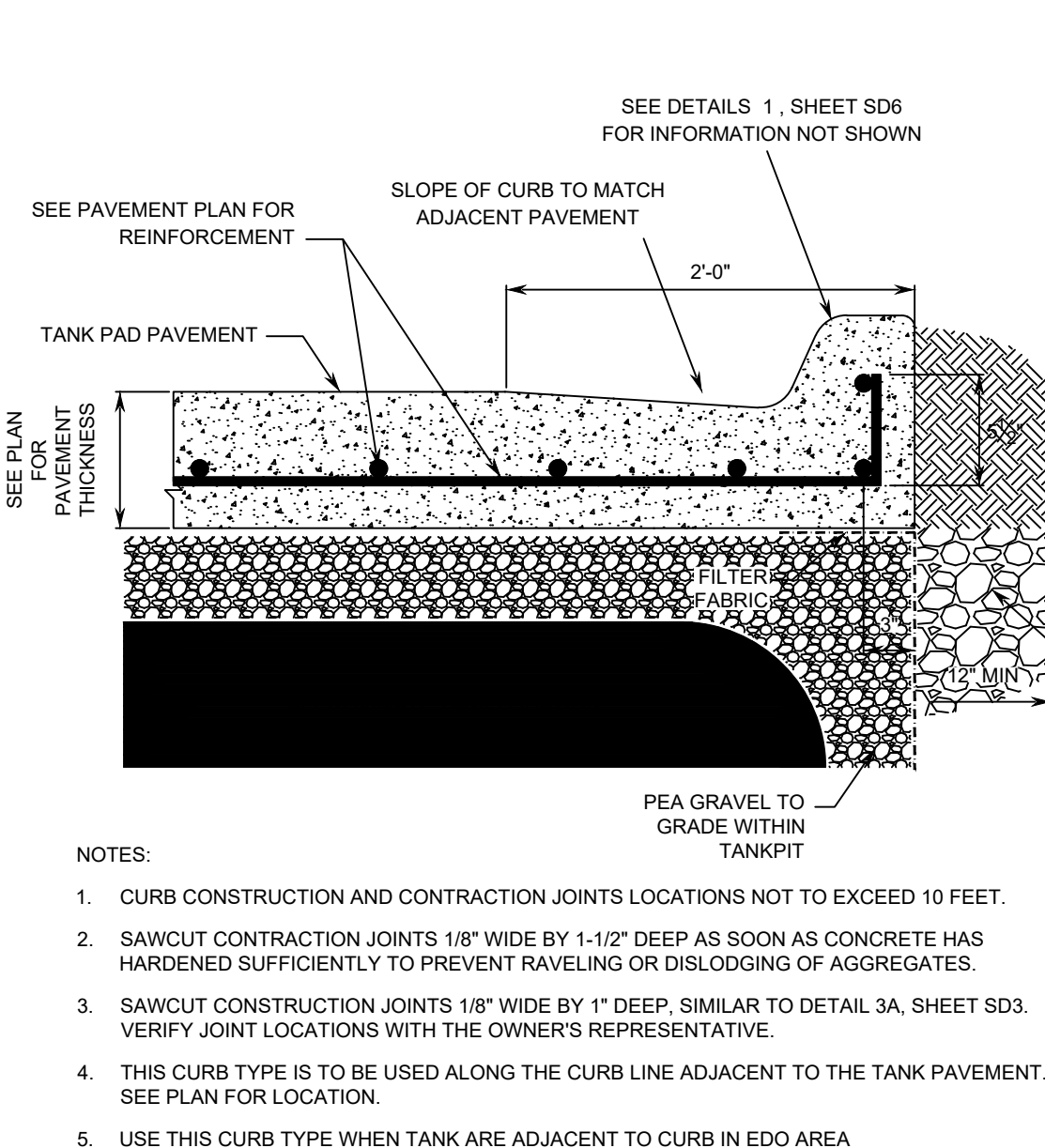
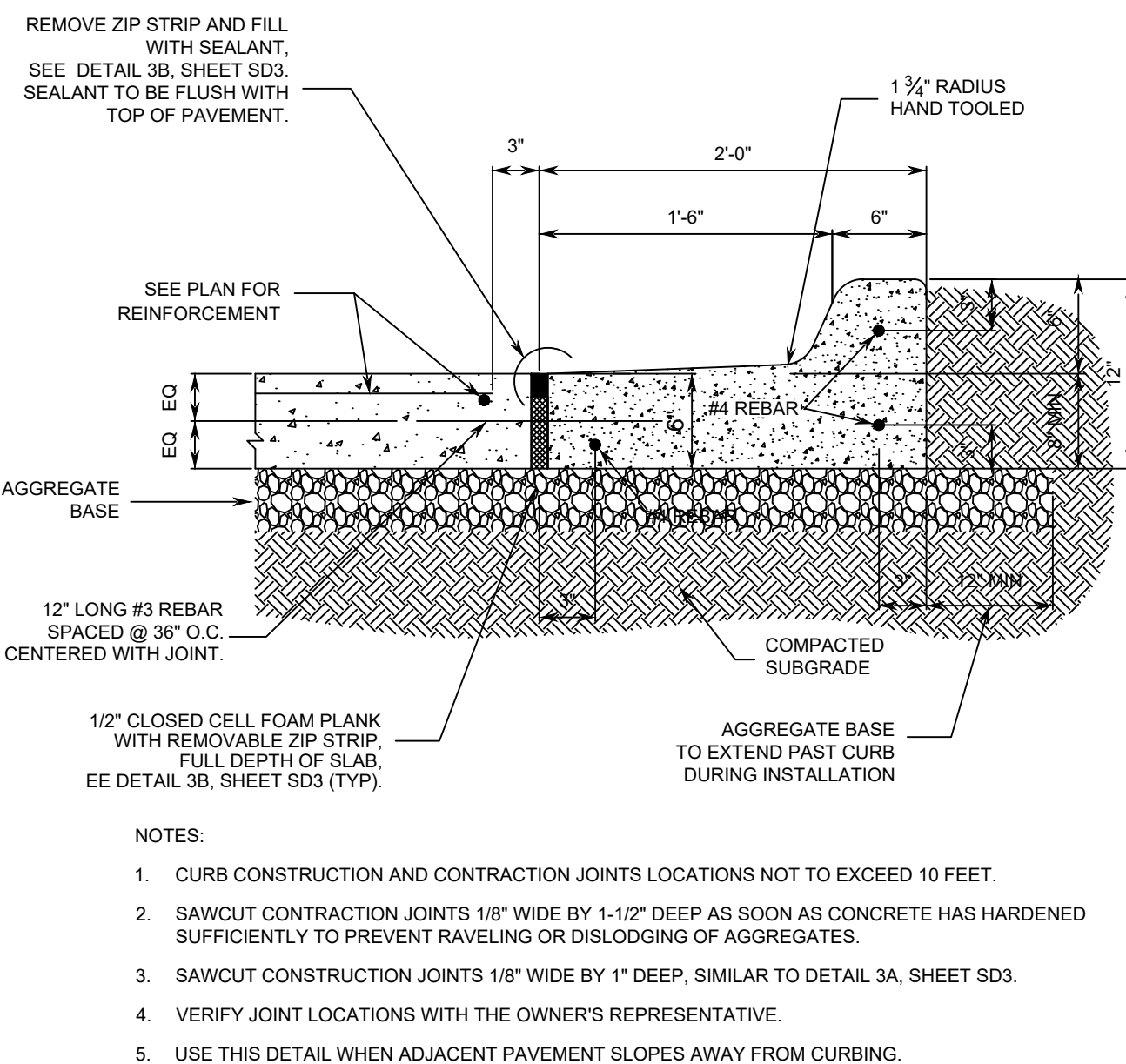
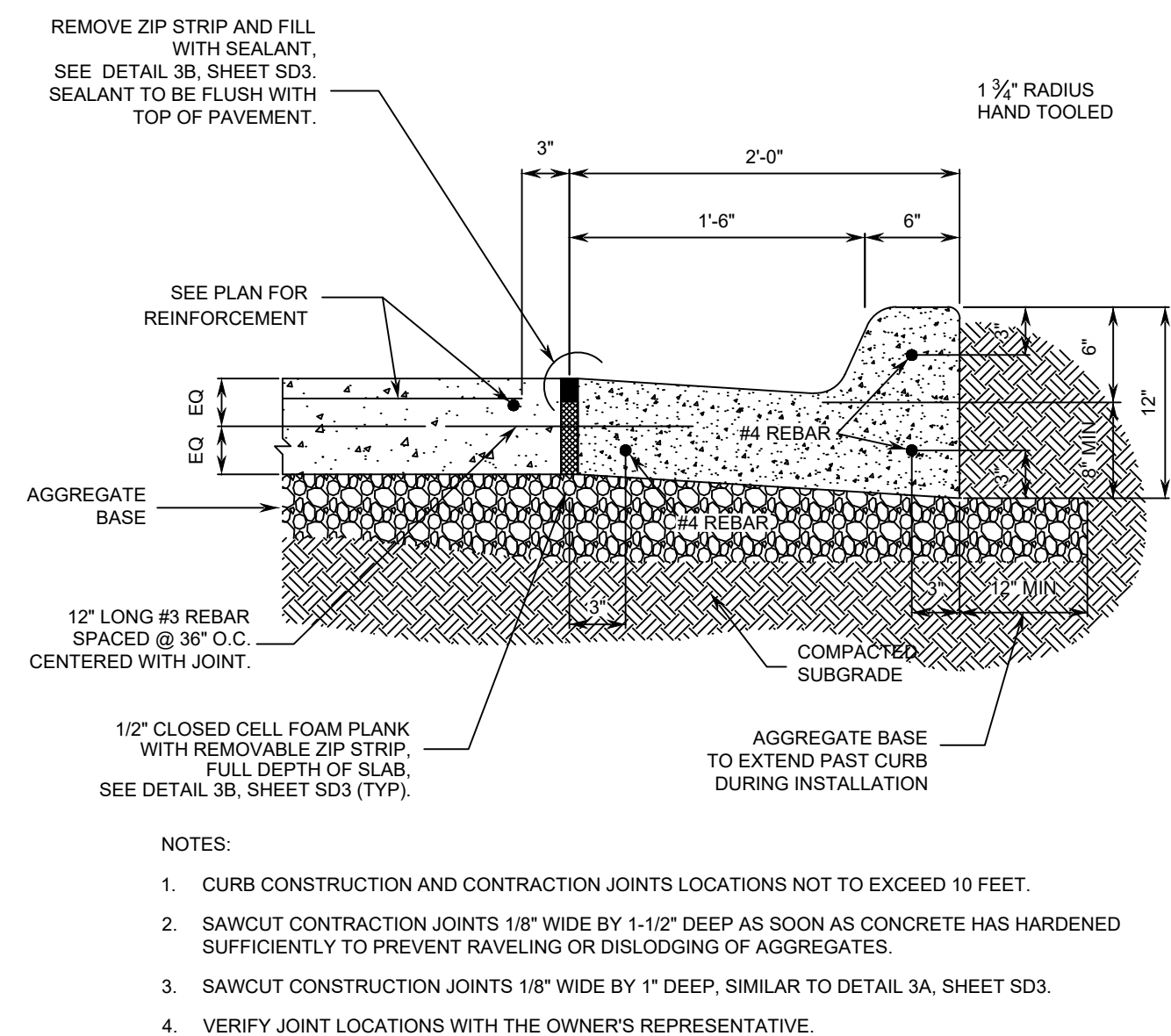
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DESIGNED BY:	TAA
REVIEWED BY:	TKS
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DATE:	3/12/2024

STANDARD DETAILS - 5

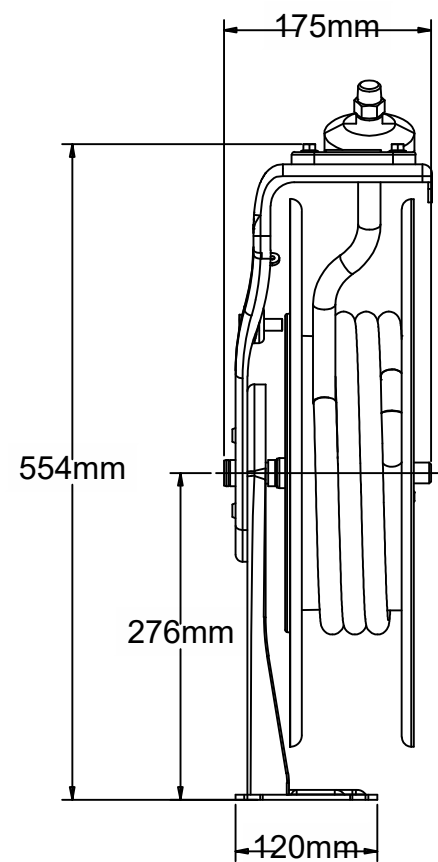
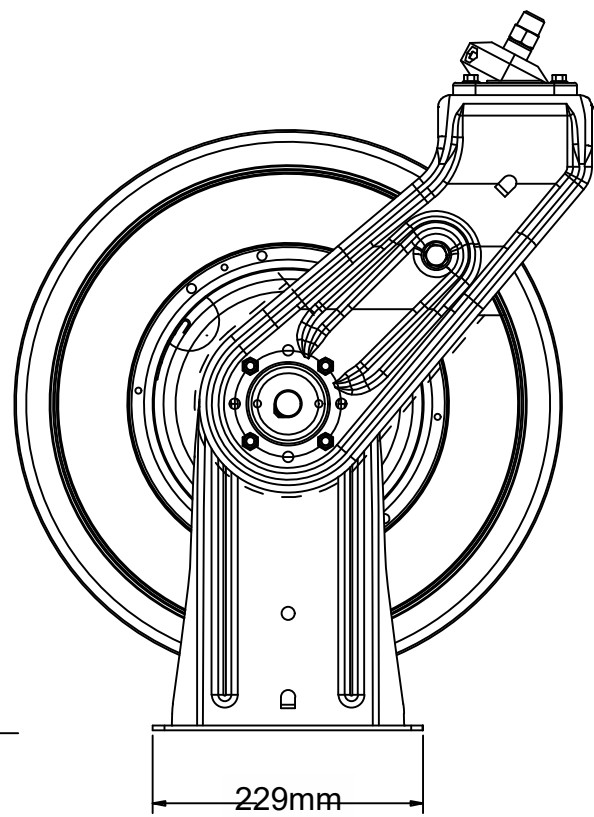
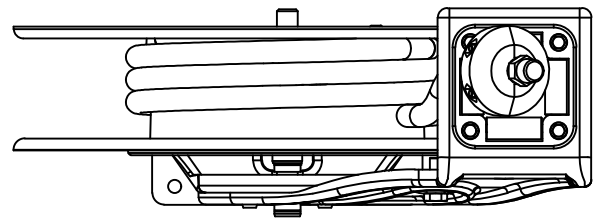
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METRIC - ASME Y14.5M

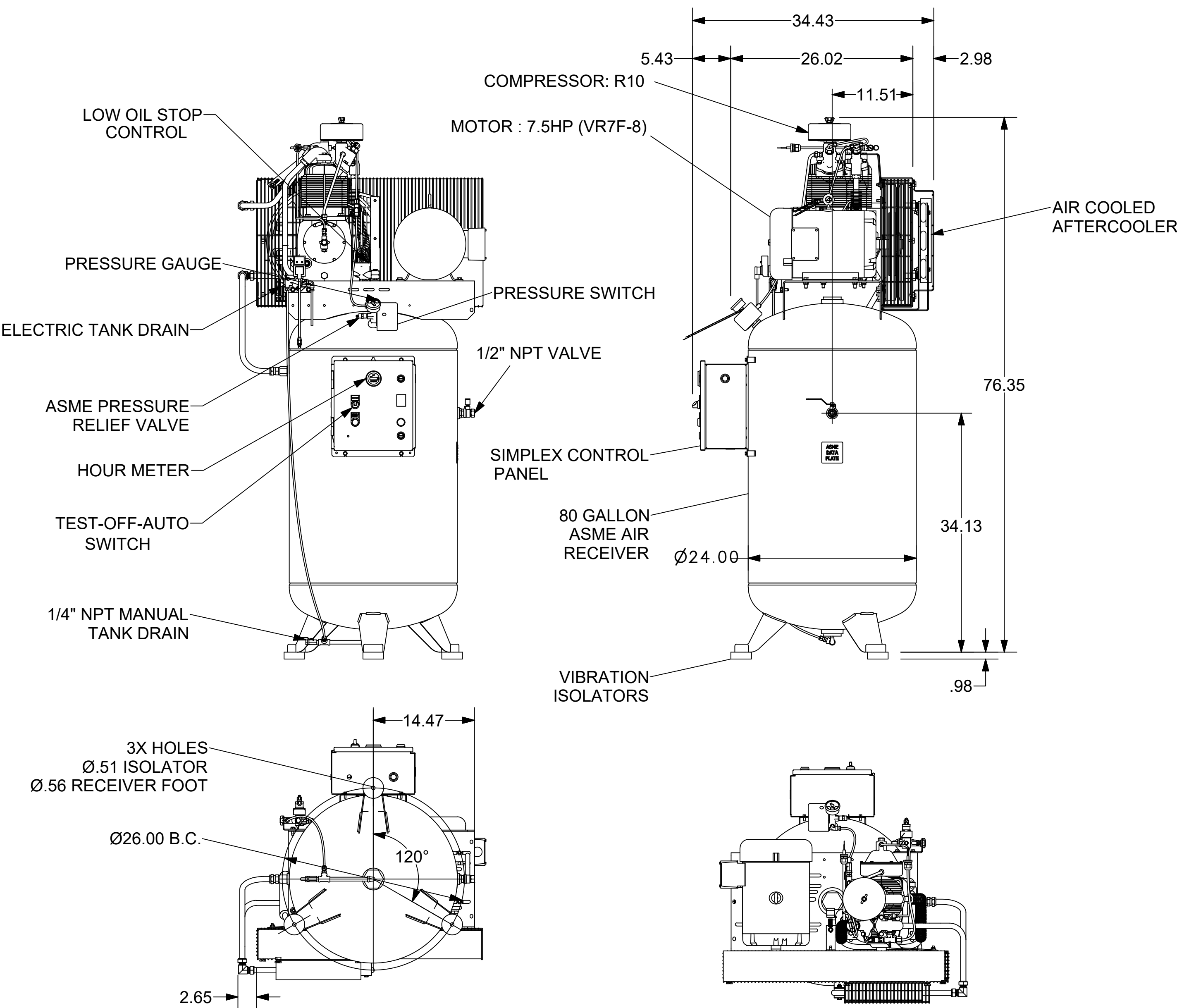
UNLESS OTHERWISE NOTED:
DIMENSIONS ARE IN MILLIMETERS
SILICONE-FREE STD 4.1208
DIM & TOL STD 1.0402 & ASME Y14.5M - 1994
TOLERANCES: SEE GRACO STANDARDS
CENTERLINE VARIANCE STD 1.0406
HOLES STD 1.0407
SHEET METAL STD 4.0100
PLATED & HT TR PARTS STD 1.0409
BURRS & EDGES STD 1.0420
THREADS STD 1.0425
SURFACE ROUGHNESS STD 1.0445

DECIMALS ANGLES
X .XX
±1 ±0.5 ±0.20 ±0.5°



1 SERIES F - AIR HOSE REEL

- SD7 NOTES:
1. NTS; PRINT FOR REFERENCE ONLY.
2. SEE MANUAL FOR MOUNTING DIMENSIONS



2 0800-OUTLINE-BARE UNIT, 80GL ELECTRIC

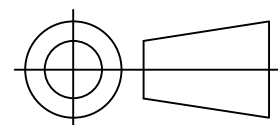
- SD7 NOTES:
1. NTS
2. SPECIFICATIONS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
3. ALL DIMENSIONS ARE IN INCHES.

FINISH OF CHAMFERS AND FILLETS TO CONFORM TO ROUGHEST ADJACENT AREA.
SURFACE ROUGHNESS MAXIMUM PER ASME B46.1. FULL THREAD DEPTHS ARE MINIMUM.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOL. ON DECIMALS: X = ± .05
TOL. ON DECIMALS: .XX = ± .02
TOL. ON DECIMALS: .XXX = ± .01
TOL. ON ANGLES: = ± 0°-30'

THIRD ANGLE
PROJECTION



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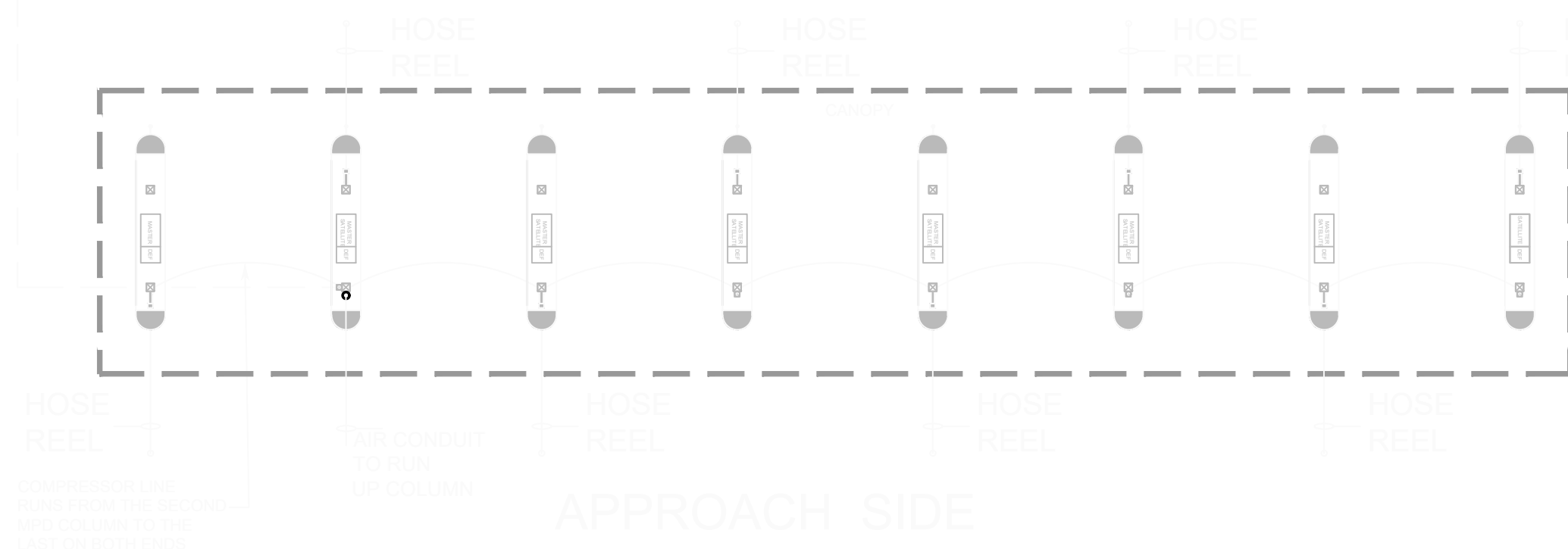
DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009
THREADS PER ASME B1.1 GAGING SYSTEM 21 U.O.S., ANSI B1.20.1 & B1.20.3

Gardner Denver

Gardner Denver Inc.
Quincy, IL.

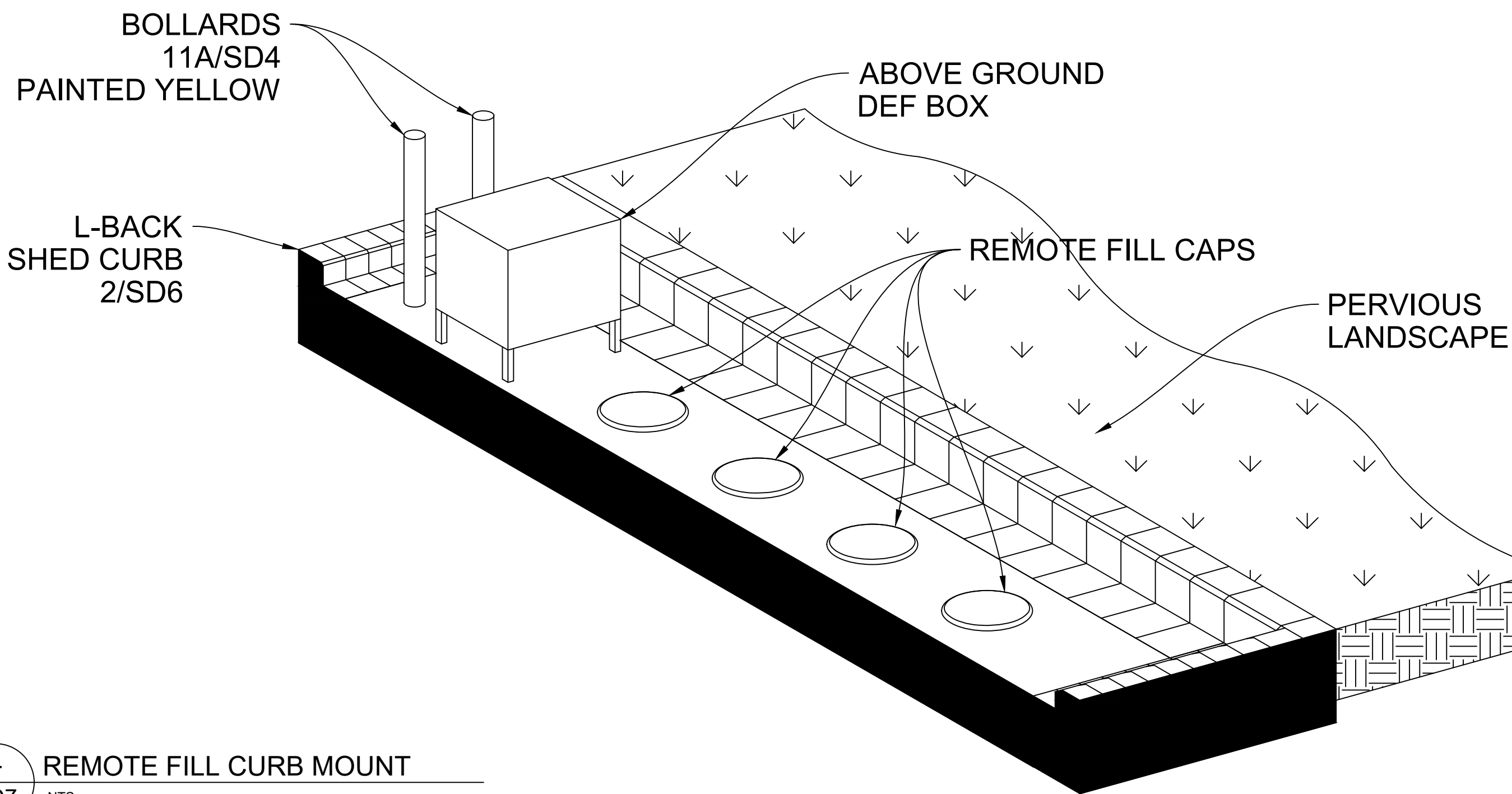
REAR SIDE
APPROACH FROM
COMPRESSOR UNIT

EXIT SIDE



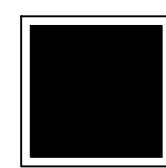
3 EDO CANOPY - AIR COMPRESSOR/HOSE LAYOUT

- SD7 NOTES:
1. NTS
2. HOSE REEL LOCATION ALTERNATES FROM TO APPROACH SIDE
3. REFERENCE 6 SD6 FOR ALL OTHER ACCESSORY LAYOUTS

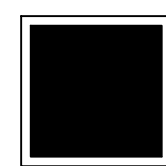


4 REMOTE FILL CURB MOUNT

SD7 NTS



USTC SUPREME
TRAFFIC LINE
MARKING PAINT,
YELLOW



USTC SUPREME
TRAFFIC LINE
MARKING PAINT,
BLACK



STRIPING WIDTHS

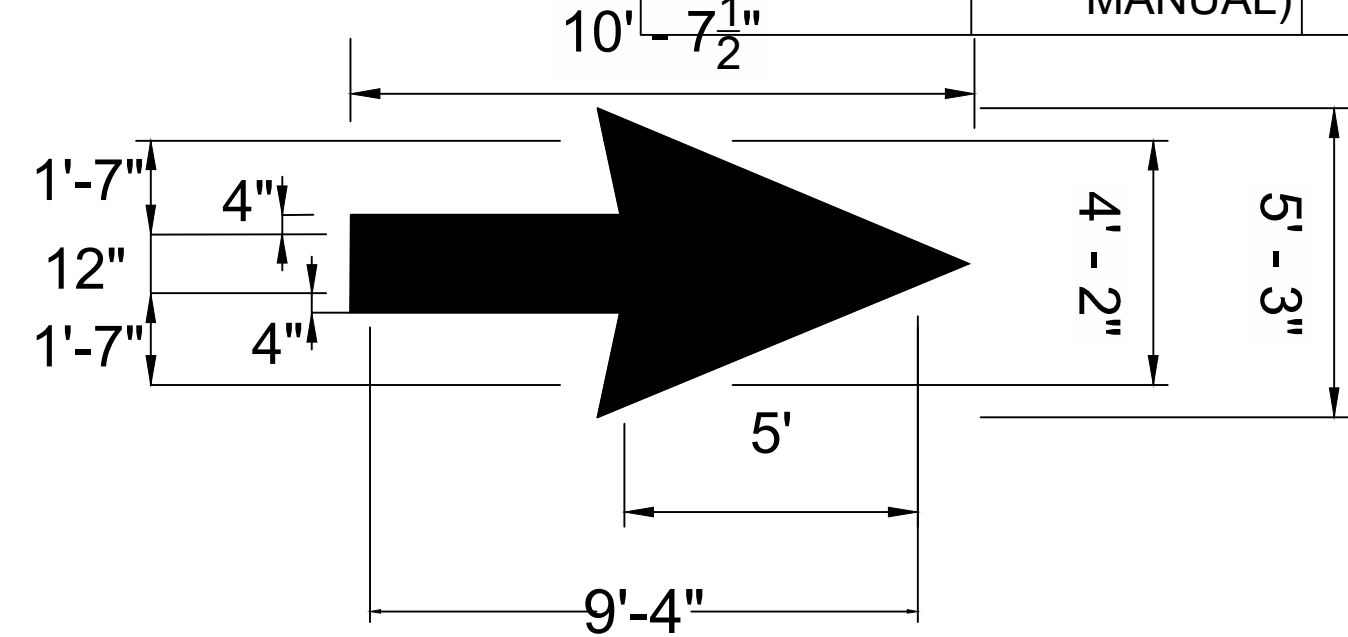
	YELLOW BAND	BLACK OUTLINE
PARKING LINE	0'-8"	0'-4"
PARKING TEXT	4' TALL	0'-4"
STOP BAR	2'-0"	N/A
VAR. ARROWS	1' TO 1'-3" (SEE DOT MANUAL)	0'-4"

5 TRUCK COURT PAINT SPEC

SD7 NTS

NOTE:

- REFER TO LOCAL DOT CONSTRUCTION DETAILS ON PAVEMENT ARROW MARKING DIMENSIONS AND DESIGN WHEN APPLICABLE.
- CONFIRM LOCAL JURISDICTION REQUIREMENTS ON PAINT COLOR



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3475 CORPORATE WAY
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DULUTH, GA 30096
PHONE - 678.546.8100
FAX - 770.441.0295
www.gaskinsleccraw.com
P-2646

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RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339
PROJECT
RACETRAC - CLAYTON
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

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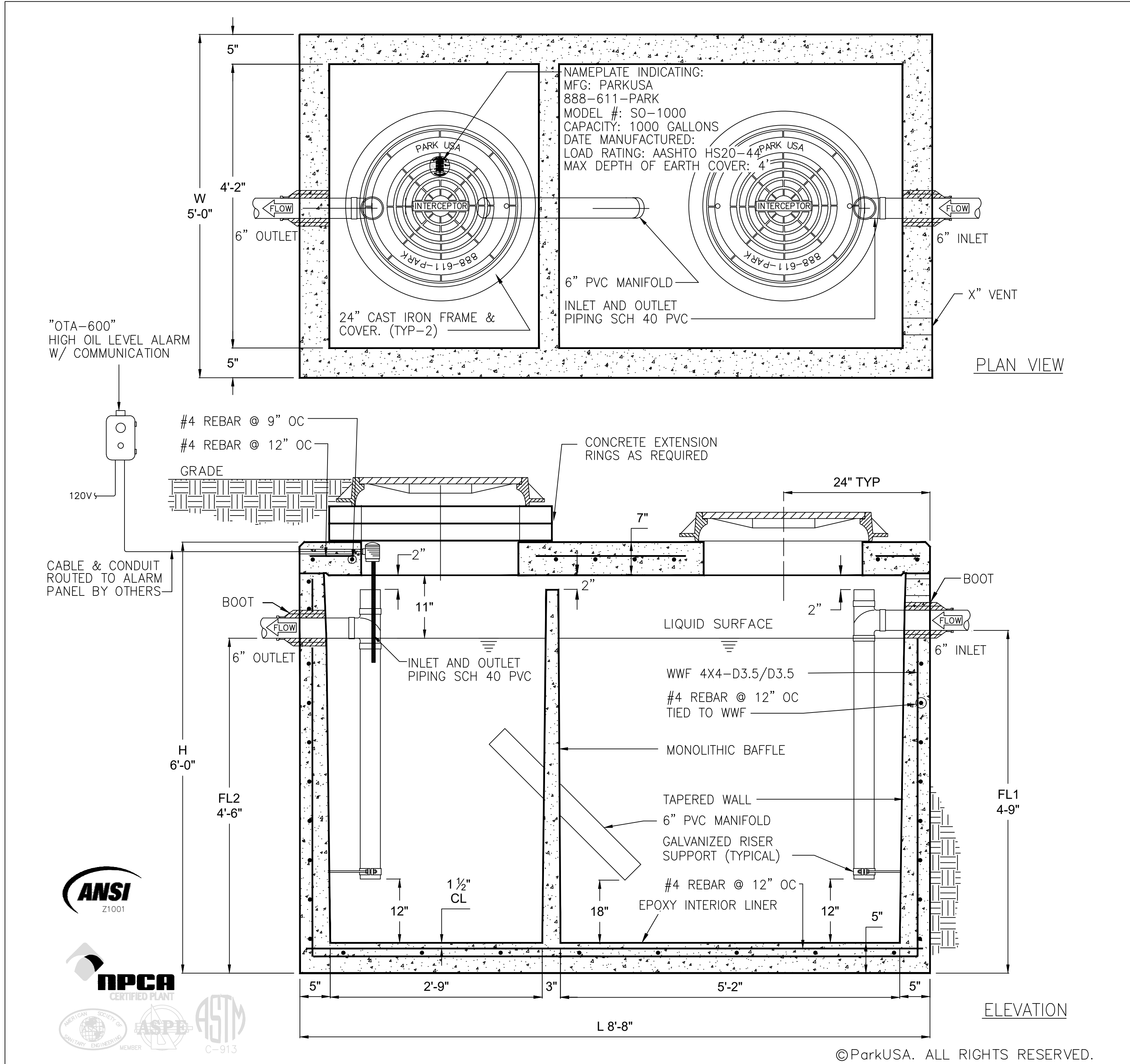
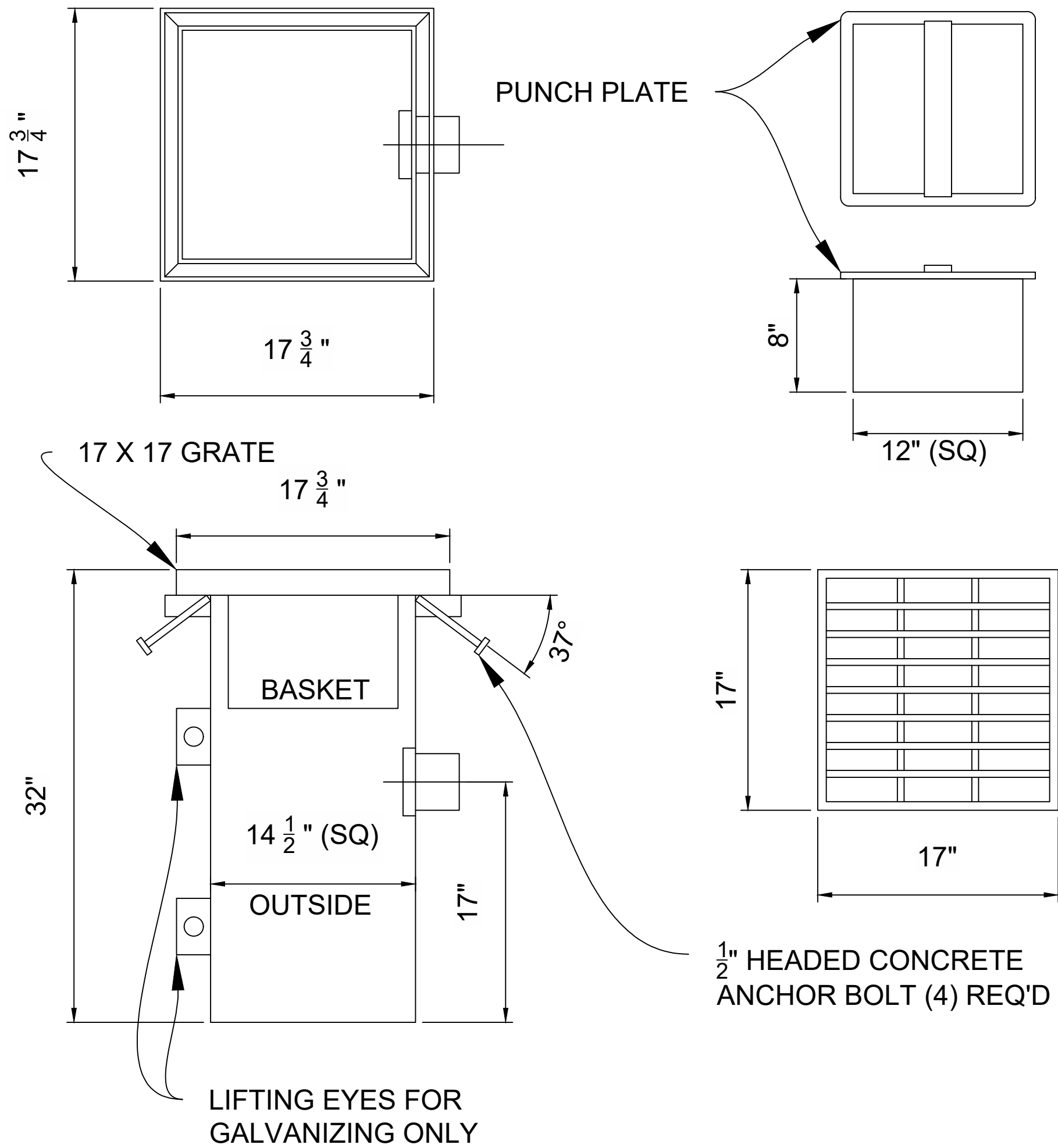
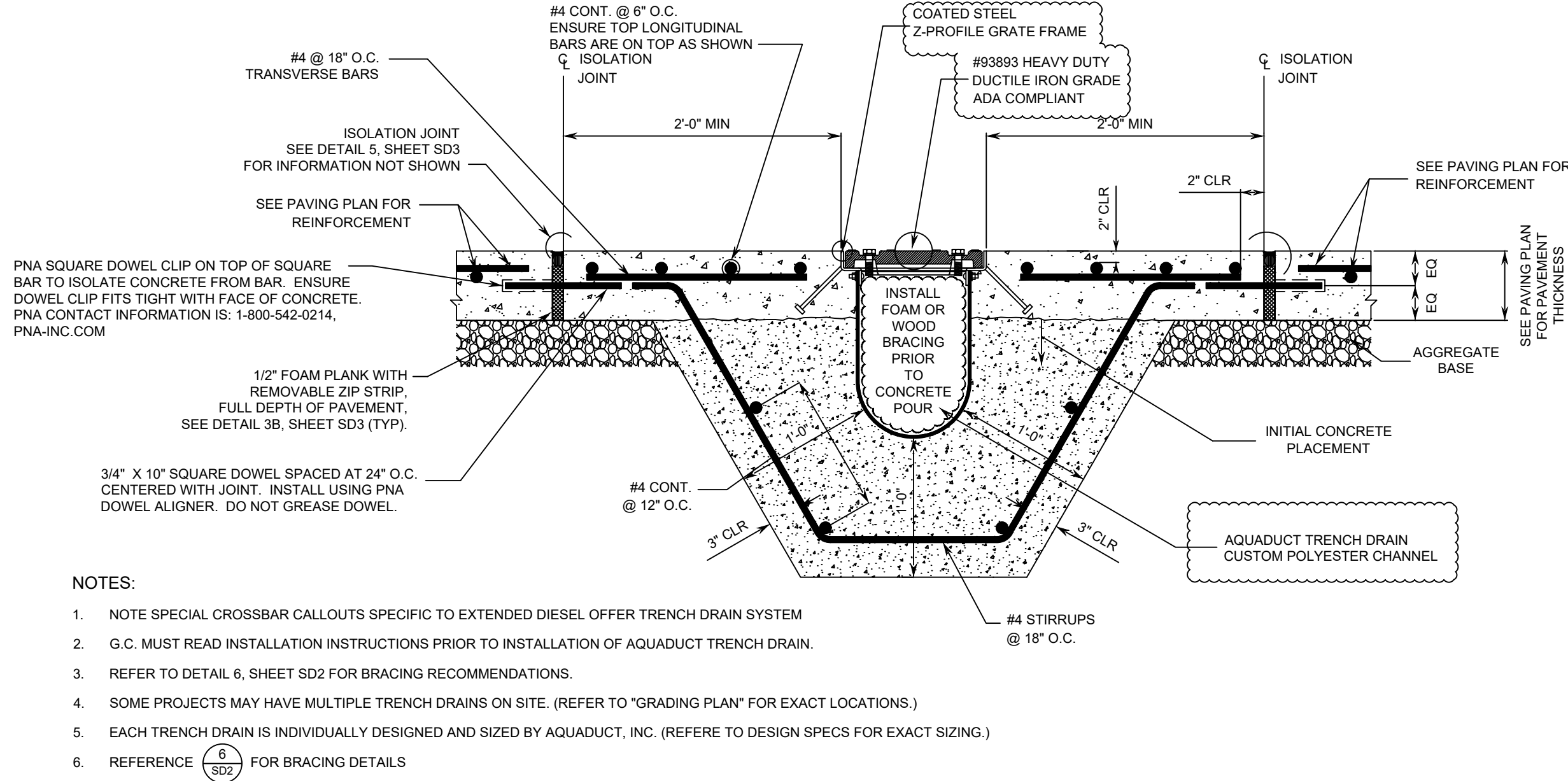
DRAWN BY:	JJB
DESIGNED BY:	TAA
REVIEWED BY:	TKS
JOB #:	005062
DATE:	3/12/2024

STANDARD DETAILS - 7

SD-7

SHEET NO. REV.

Drawing name: D:\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\005692 - RaceTrac - Clayton, GA (441 @ Private Drive)\CADD\CONSTR\005692 - 10 - DETAILS.dwg SD-8 Mar 12, 2024 9:34am by: buttram



SPECIFICATIONS

CONCRETE: CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNITS IS MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. GROSS EMPTY WEIGHT OF APPROXIMATELY 13,250 LBS. CONCRETE MATERIAL REQUIREMENTS SHALL COMPLY WITH THE "MATERIALS AND MANUFACTURERS SECTION OF ASTM C1613".

REINFORCEMENT: GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL. STRUCTURAL DESIGN IS BASED ON AASHTO HS-20 LOADING. REBAR #4, WWF 4X4-D3.5/D3.5

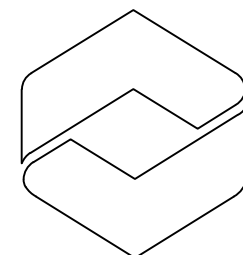
C.I. CASTINGS: MANHOLE FRAMES, COVERS, OR GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48 CLASS 30. MANHOLE SHALL BAVE 24 INCH INSIDE DIAMETER AND BE TRAFFIC DUTY.

ENGINEERING DATA

INTERCEPTOR IS STRUCTURALLY AND HYDRAULICALLY ENGINEERED. NOMINAL LIQUID CAPACITY IS 1500 GALLONS. MANUFACTURER SHALL PROVIDE ENGINEER CERTIFIED SUBMITTAL DRAWINGS UPON REQUEST UPON REQUEST. FIELD EXCAVATION AND PREPARATION SHALL BE COMPLETED PRIOR TO DELIVERY OF INTERCEPTOR. USE DIMENSIONAL DATA AS SHOWN.

NOTES:

- Contractor to place OTA-600 alarm within 500 feet of oil water separator. CAT-5 cable to be run from building data closet to alarm location, the maximum length of the CAT-5 cable is 350 feet.



888.611.PARK
www.parkusa.com

PARK
DESIGN FOR WATER

SAND/OIL TRAP SO-1000
MODEL SIZE 1,000 GALLONS

3
SD8
NTS

OIL WATER SEPERATOR

PREPARED IN THE OFFICE OF:

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+LECRAW**
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PROJECT
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CITY OF CLAYTON, RABIN COUNTY, GEORGIA

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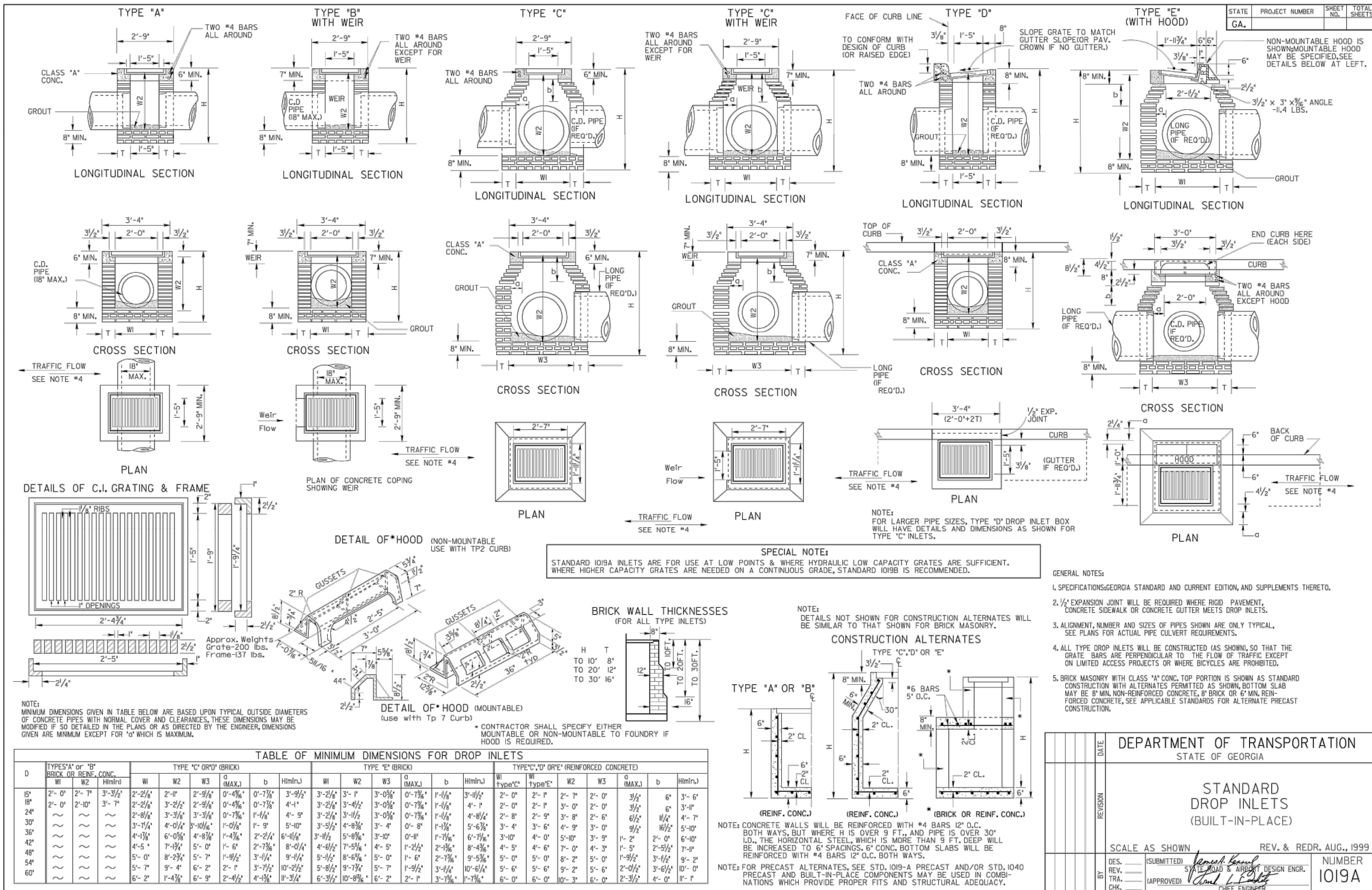
DESIGN INFO:

DRAWN BY: JJB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

STANDARD DETAILS - 8

SD-8
SHEET NO. REV.

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GDOT STANDARD DROP INLETS

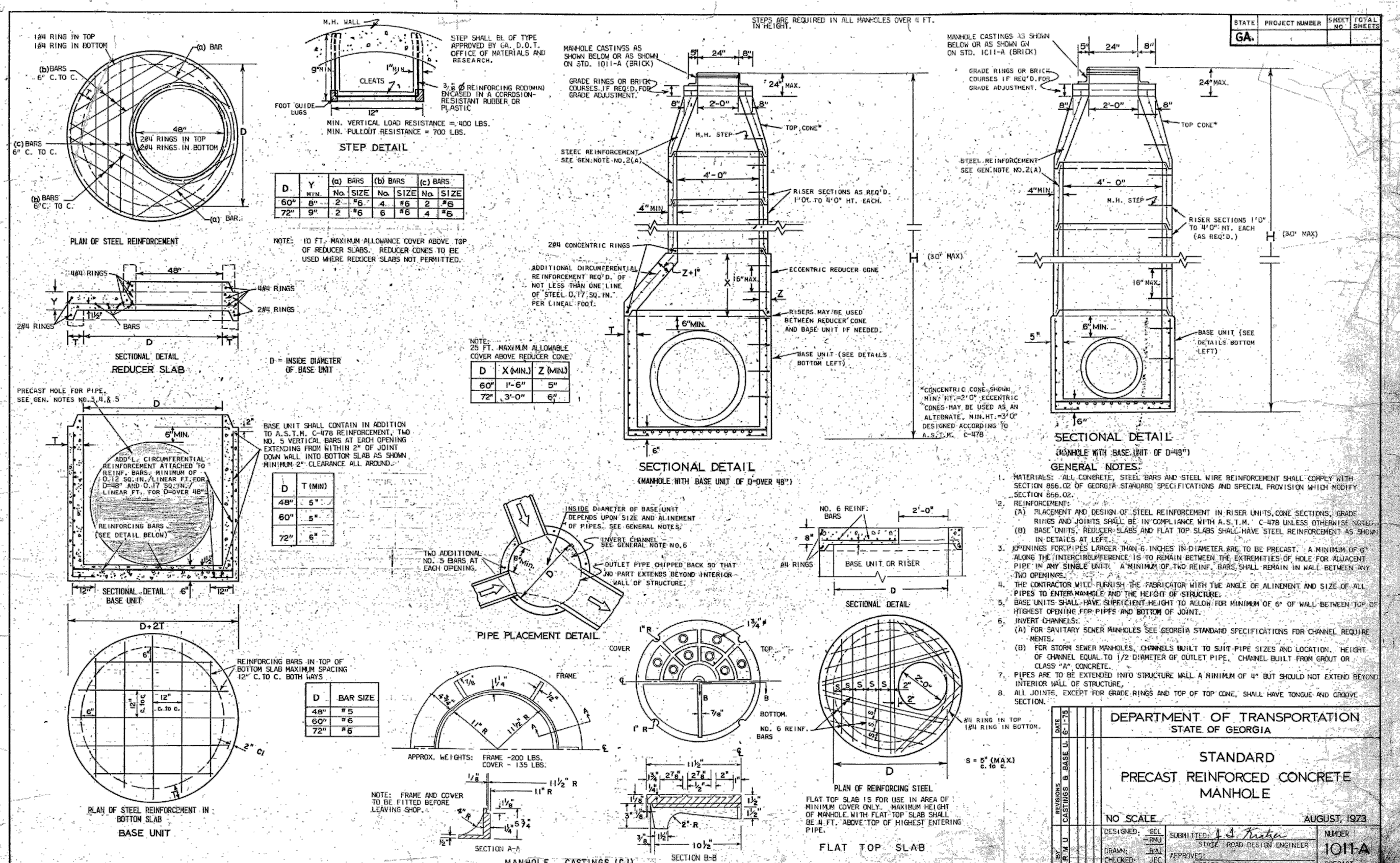
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1

GDOT STANDARD PRECAST REINFORCED CONCRETE MANHOLE

NOT TO SCALE

2



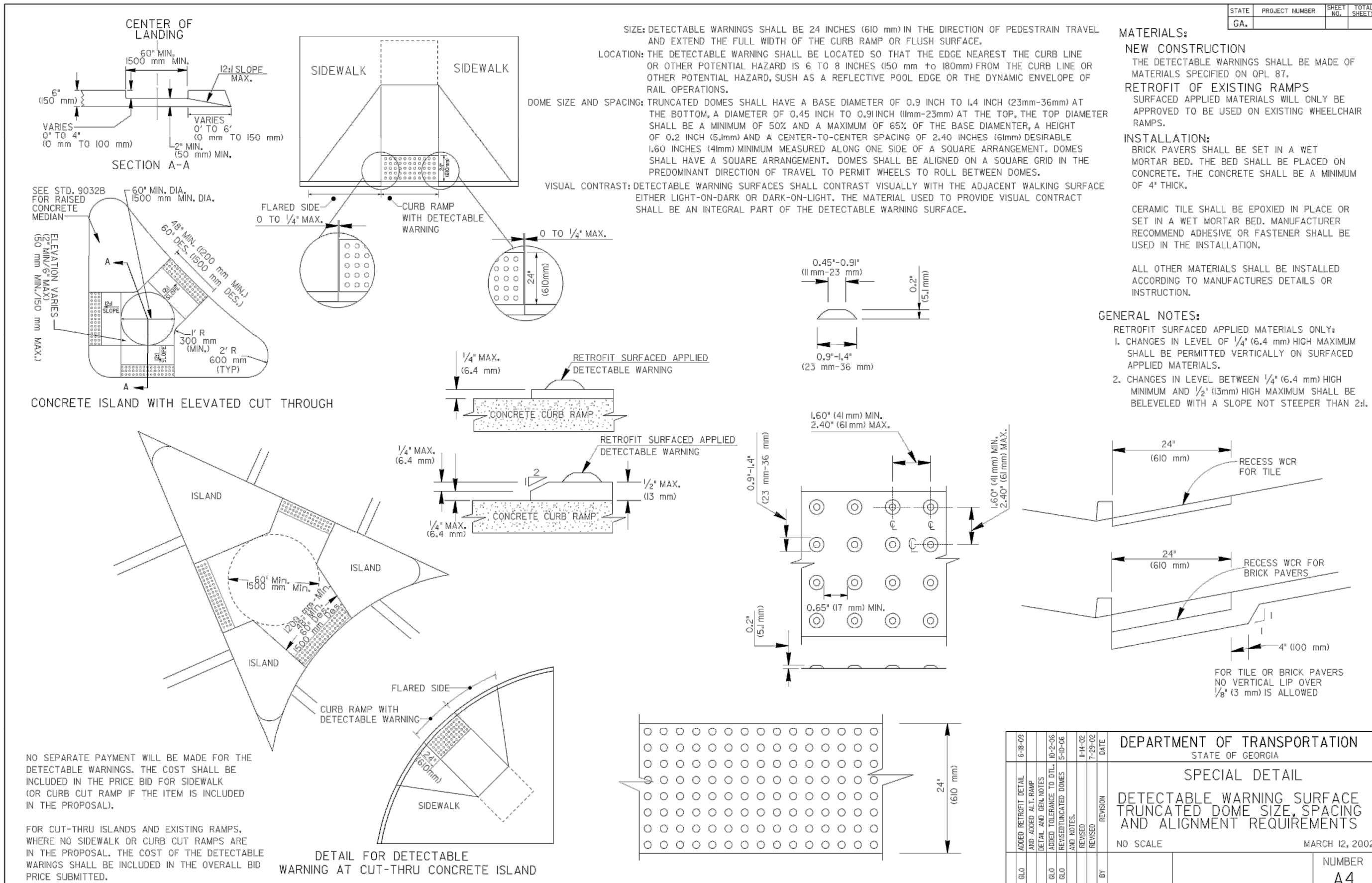
GDOT STANDARD CURB RAMPS

NOT TO SCALE

4

Drawing name: C:\Users\anderson\Gaskins+LeCraw Dropbox\Shared Folders\Engineering\0050602 - RaceTrac - Clayton, GA (44) @ Private Drive\CAD\CONSTR\0050602 - 10 - DETAILS.dwg CD-1 Mar 12, 2024 9:17am by: anderson

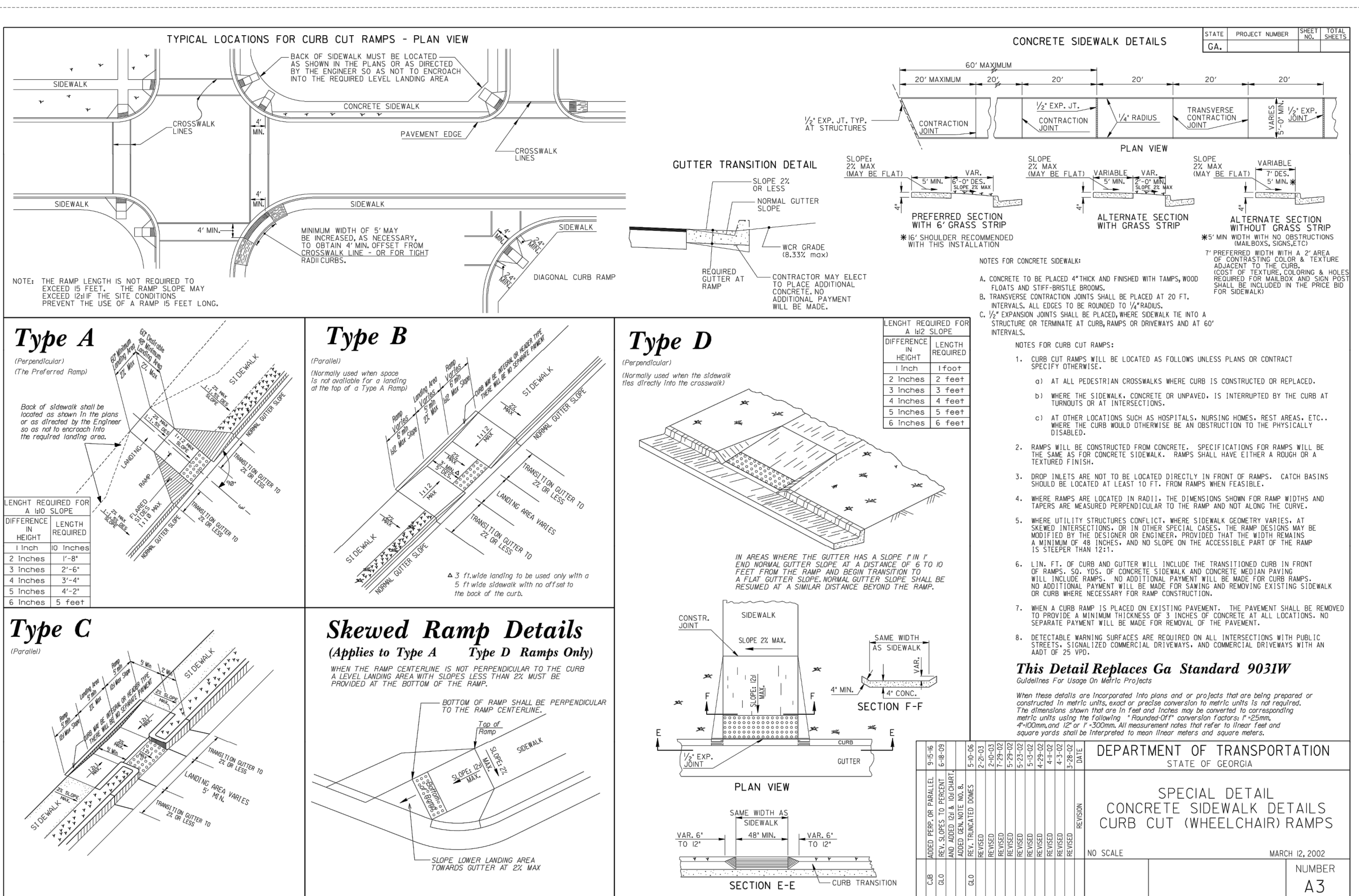
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GDOT STANDARD DETECTABLE WARNING

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3



GDOT STANDARD CURB RAMPS

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD PRECAST REINFORCED CONCRETE MANHOLE

NO SCALE
AUGUST, 1973
1011-A
PRECAST

200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

RACETRAC - CLAYTON
18 RAILROAD LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

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DESIGN INFO:

DRAWN BY: JUB

DESIGNED BY: TAA

REVIEWED BY: TKS

JOB NO: 005062

DATE: 3/12/2024

CONSTRUCTION DETAILS - 1

CD-1

SHEET NO. REV.

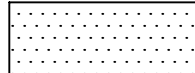
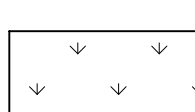
SITE SUMMARY	
SITE AREA	
SITE AREA:	2.68 ACRES (116,771 S.F.)
IMPERVIOUS AREA:	96,685 S.F. (82.8%)
PERVIOUS AREA:	20,086 S.F. (17.2%)
ZONING CLASSIFICATION	
JURISDICTION:	RABUN COUNTY
ZONING:	HB (HIGHWAY BUSINESS)
ADJACENT ZONING:	HB
BUILDING SETBACKS	
FRONT:	40' (MAJOR ARTERY)
SIDE:	0'
REAR:	15'
BUILDING SUMMARY	
BUILDING AREA:	6,008 S.F.
BUILDING COVERAGE:	5.1%
PARKING SUMMARY	
PARKING REQ. 2 SPACES/PUMP + 3 SPACES/GREASE RACK (MIN.)	
12 PUMPS * 2 SPACES + 0 GREASE RACKS = 24 SPACES	
PARKING PROV.:	26 SPACES
STANDARD STALL DIMENSIONS:	10' x 18'
MIN. DRIVE WIDTH:	24'

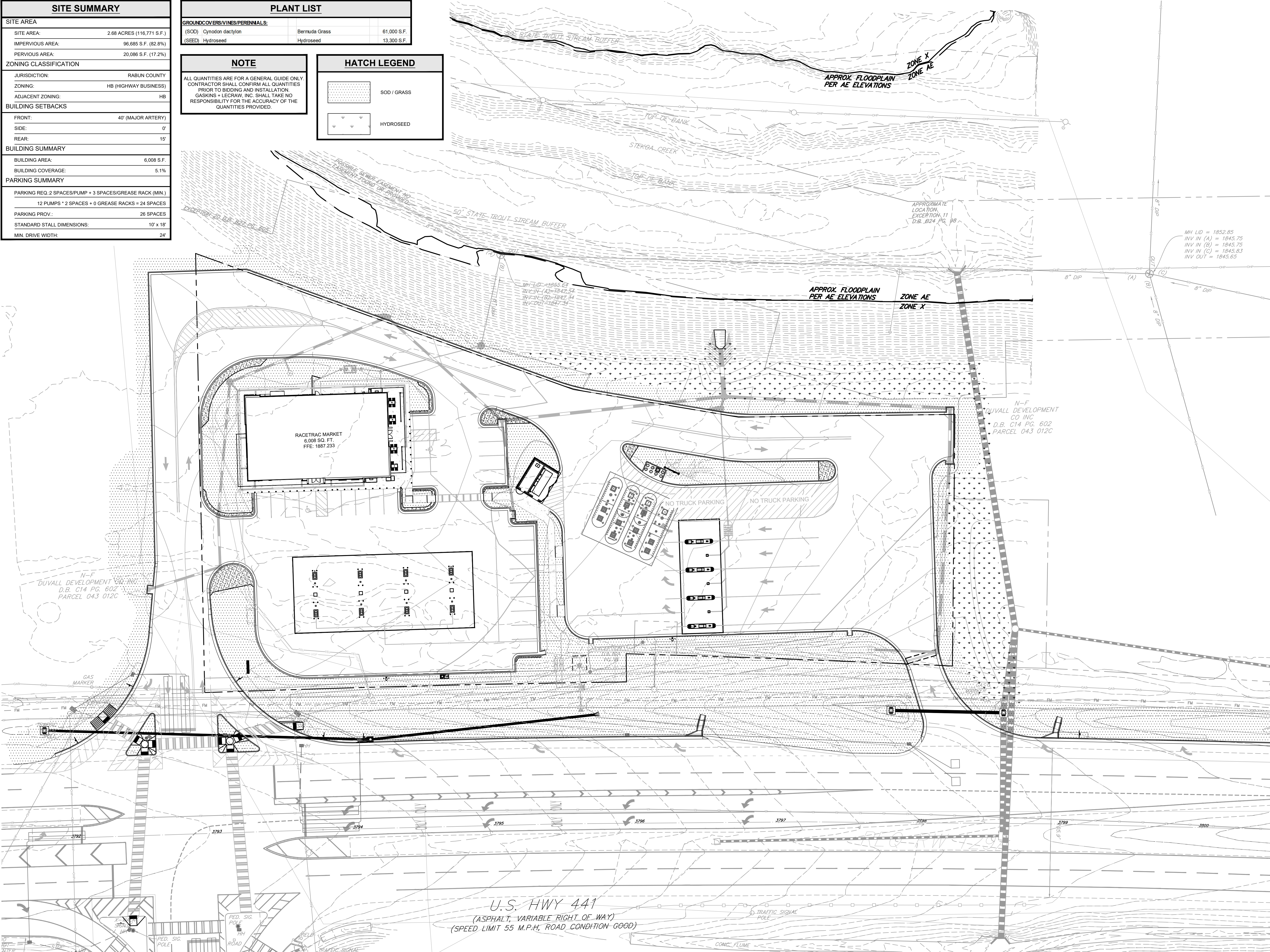
PLANT LIST		
<u>GROUND COVERS/VINES/PERENNIALS:</u>		
(SCD) Cynodon dactylon	Bermuda Grass	61,000 S.F.
(SEED) Hydroseed	Hydroseed	13,300 S.F.

NOTE

ALL QUANTITIES ARE FOR A GENERAL GUIDE ONLY.
 CONTRACTOR SHALL CONFIRM ALL QUANTITIES
 PRIOR TO BIDDING AND INSTALLATION.
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HATCH LEGEND

	SOD / GRASS
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 18 RADIO LANE
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 CITY OF CLAYTON, RABIN COUNTY, GEORGIA

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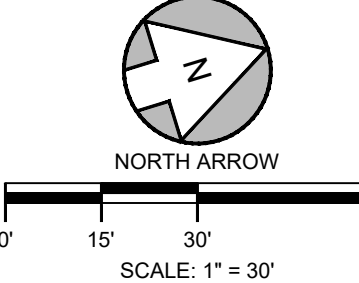


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DRAWN BY:	JJ
DESIGNED BY:	TA
REVIEWED BY:	TK
JOB #:	00506
DATE:	3/12/202

LANDSCAPE PLAN

L-1.0

SHEET NO.	RE
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LANDSCAPE SPECIFICATIONS

PART 1 - GENERAL

DESCRIPTION

PROVIDE TREES, PLANTS AND GROUND COVERS AS SHOWN AND SPECIFIED. THE WORK INCLUDES:

1. SOIL PREPARATION.
2. TREES, PLANTS AND GROUND COVERS.
3. PLANTING MIXES.
4. MULCH AND PLANTING ACCESSORIES.
5. MAINTENANCE.

RELATED WORK:

1. IRRIGATION SYSTEM.

QUALITY ASSURANCE

PLANT NAMES INDICATED. COMPLY WITH "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE LATEST EDITION OF THE AMERICAN JOINT COMMITTEE OF HORTICULTURAL NOMENCLATURE. NAMES OF VARIETIES NOT LISTED CONFORM GENERALLY WITH NAMES ACCEPTED BY THE NURSERY TRADE. PROVIDE STOCK TRUE TO BOTANICAL NAME AND LEGIBLY TAGGED.

COMPLY WITH SIZING AND GRADING STANDARDS OF THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK". A PLANT SHALL BE DIMENSIONED AS IT STANDS IN ITS NATURAL POSITION.

ALL PLANTS SHALL BE NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS.

STOCK FINISHED SHALL BE AT LEAST THE MINIMUM SIZE INDICATED. LARGER STOCK IS ACCEPTABLE, AT NO ADDITIONAL COST, AND PROVIDING THAT THE LARGER PLANTS WILL NOT BE CUT BACK TO SIZE INDICATED. PROVIDE PLANTS INDICATED BY TWO MEASUREMENTS SO THAT ONLY A MAXIMUM OF 25% ARE OF THE MINIMUM SIZE INDICATED AND 75% ARE OF THE MAXIMUM SIZE INDICATED.

BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL HAVE INVESTIGATED THE SOURCES OF SUPPLY AND SATISFIED HIMSELF THAT HE CAN SUPPLY THE LISTED PLANTS IN THE SIZE, VARIETY AND QUALITY LISTED AND SPECIFIED. FAILURE TO TAKE THIS PRECAUTION WILL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY FOR FURNISHING AND INSTALLING ALL PLANT MATERIALS IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS WITHOUT ADDITIONAL COST TO THE OWNER. LANDSCAPE ARCHITECT SHALL APPROVE ANY SUBSTITUTES OF PLANT MATERIAL OR CHANGES IN PLANT MATERIAL SIZE PRIOR TO CONTRACTOR SUBMITTING A BID.

SUBMITTALS

THE LANDSCAPE CONTRACTOR SHALL SUBMIT THE FOLLOWING MATERIALS CERTIFICATION:

UPON PLANT MATERIAL ACCEPTANCE, SUBMIT WRITTEN MAINTENANCE INSTRUCTIONS RECOMMENDING PROCEDURES FOR MAINTENANCE OF PLANT MATERIALS.

DELIVERY, STORAGE AND HANDLING

TAKE ALL PRECAUTIONS CUSTOMARY IN GOOD TRADE PRACTICE IN PREPARING PLANTS FOR MOVING. WORKMANSHIP THAT FAILS TO MEET THE HIGHEST STANDARDS WILL BE REJECTED. SPRAY DECIDUOUS PLANTS IN FOLIAGE WITH AN APPROVED "ANTI-DESICCANT" IMMEDIATELY AFTER DIGGING TO PREVENT DEHYDRATION. DIG, PACK, TRANSPORT, AND HANDLE PLANTS WITH CARE TO ENSURE PROTECTION AGAINST INJURY. INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER TO STOCK. PROTECT ALL PLANTS FROM DRYING OUT. IF PLANTS CANNOT BE PLANTED IMMEDIATELY UPON DELIVERY, PROTECT THEM WITH SOIL, WET PEAT MOSS, OR IN A MANNER ACCEPTABLE TO THE LANDSCAPE ARCHITECT. WATER HEELED-IN PLANTINGS DAILY. NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT COULD DAMAGE OR BREAK THE BRANCHES OR TRUNK.

COVER PLANTS TRANSPORTED ON OPEN VEHICLES WITH A PROTECTIVE COVERING TO PREVENT WIND BURN.

PROVIDE DRY, FRIABLE, LOOSE TOPSOIL FOR PLANTING BED MIXES. AMEND WITH 4 PARTS SCREENED TOPSOIL AND 1 PART ORGANIC MATERIAL (I.E. NATURE'S HELPERS, PRO-MIX). FROZEN OR MUDDY TOPSOIL IS NOT ACCEPTABLE.

PROJECT CONDITIONS

PROTECT EXISTING UTILITIES, PAVING, AND OTHER FACILITIES FROM DAMAGE CAUSED BY LANDSCAPING OPERATIONS.

A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF SIZES, QUANTITIES, AND OTHER REQUIREMENTS IS SHOWN ON THE DRAWINGS. IN THE EVENT THAT QUANTITY DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE PLANTING PLANS SHALL GOVERN.

THE IRRIGATION SYSTEM WILL BE INSTALLED PRIOR TO PLANTING. LOCATE, PROTECT AND MAINTAIN THE IRRIGATION SYSTEM DURING PLANTING OPERATIONS. REPAIR IRRIGATION SYSTEM COMPONENTS, DAMAGED DURING PLANTING OPERATIONS, AT THIS CONTRACTORS EXPENSE. DO NOT BEGIN LANDSCAPE ACCESSORY WORK BEFORE COMPLETION OF FINAL GRADING OR SURFACING.

WARRANTY

WARRANT PLANT MATERIAL TO REMAIN ALIVE AND BE IN HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF 1 YEAR AFTER COMPLETION AND FINAL ACCEPTANCE OF ENTIRE PROJECT.

REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE DEAD OR, ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AND HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES, OR OTHER CAUSES DUE TO THE NEGLIGENCE OF THE CONTRACTOR. THE COST OF SUCH REPLACEMENT(S) IS AT THE CONTRACTOR'S EXPENSE. WARRANT ALL REPLACEMENT PLANTS FOR 1 YEAR AFTER INSTALLATION.

WARRANTY SHALL NOT INCLUDE DAMAGE OR LOSS OF TREES, PLANTS, OR GROUND COVERS CAUSED BY FIRES, FLOODS, FREEZING RAINS, LIGHTNING STORMS OR WINDS OVER 75 MILES PER HOUR, WINTER KILL CAUSED BY EXTREME COLD AND SEVERE WINTER CONDITIONS NOT TYPICAL OF PLANTING AREA, ACTS OF VANDILISM OR NEGLIGENCE ON THE PART OF THE OWNER.

REMOVE AND IMMEDIATELY REPLACE ALL PLANTS FOUND TO BE UNSATISFACTORY DURING THE INITIAL PLANTING INSTALLATION. MAINTAIN PLANT MATERIAL AND LAWN/UNTIL FINAL ACCEPTANCE IS MADE.

ACCEPTANCE

INSPECTION TO DETERMINE ACCEPTANCE OF PLANTED AREAS WILL BE MADE BY THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.

1. PLANTED AREAS WILL BE ACCEPTED PROVIDED ALL REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN COMPLETED WITH PLANT MATERIALS ARE ALIVE AND IN A HEALTHY, VIGOROUS CONDITION.

UPON ACCEPTANCE, THE CONTRACTOR WILL COMMENCE THE SPECIFIED PLANT MAINTENANCE.

CODES, PERMITS AND FEES

OBTAIN ANY NECESSARY PERMITS FOR THIS SECTION OF WORK AND PAY ANY FEES REQUIRED FOR PERMITS.

THE ENTIRE INSTALLATION SHALL FULLY COMPLY WITH ALL LOCAL AND STATE LAWS AND ORDINANCES, AND WITH ALL ESTABLISHED CODES APPLICABLE THERETO.

PART 2 - PRODUCTS

MATERIALS

PLANTS: PROVIDE PLANTS WITH THEIR SPECIES OR VARIETY; WITH NORMAL, DENSELY-DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS FREE FROM DEFECTS, DISFIGURING KNOTS, SUN SCALD INJURIES, FROST CRACKS, ABRASIONS OF THE BARK, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL PLANTS SHALL HAVE A FULLY DEVELOPED FORM WITHOUT WOUNDS AND OTHER SPACES. PLANTS HELD IN STORAGE WILL BE REJECTED IF THEY SHOW SIGNS OF GROWTH DURING STORAGE.

1. DIG BALLED AND BURLAPPED PLANTS WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF THE PLANT. PROVIDE BALL SIZES COMPLYING WITH THE LATEST EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK". CRACKED OR MUSHROOMED BALLS ARE NOT ACCEPTABLE.
2. CONTAINER-GROWN STOCK: GROWN IN A CONTAINER FOR SUFFICIENT LENGTH OF TIME FOR THE ROOT SYSTEM TO HAVE DEVELOPED TO HOLD ITS SOIL TOGETHER, FIRM AND WHOLE.
 - A. NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
 - B. CONTAINER STOCK SHALL NOT BE POT BOUND FOR HAVE CIRCLING ROOTS.
3. PROVIDE TREES SPECIES THAT MATURE AT HEIGHTS OVER 25 FEET WITH A SINGLE MAIN TRUNK. TREES THAT HAVE THE MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE.
4. PLANTS PLANTED IN ROWS SHALL BE MATCHED IN FORM.
5. PLANTS LARGER THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED WHEN ACCEPTABLE TO THE LANDSCAPE ARCHITECT.
 - A. IF THE USE OF LARGER PLANTS IS ACCEPTABLE, INCREASE THE SPREAD OF ROOTS OR ROOT BALL IN PROPORTION TO THE SIZE OF THE PLANT.
6. THE HEIGHT OF TREES, MEASURED FROM THE CROWN OF THE ROOTS TO THE TOP OF THE TOP BRANCH, SHALL NOT BE LESS THAN THE MINIMUM SIZE DESIGNATED IN THE PLANT LIST.
7. NO PRUNING WOUNDS SHALL BE PRESENT WITH A DIAMETER OF MORE THAN 1" AND SUCH WOUNDS MUST SHOW VIGOROUS BARK ON ALL EDGES.
8. EVERGREEN TREES SHALL BE BRANCHED TO THE GROUND UNLESS SPECIFIED OTHERWISE.
9. SHRUBS AND SMALL PLANTS SHALL MEET THE REQUIREMENTS FOR SPREAD AND HEIGHT INDICATED IN THE PLANT LIST.
 - A. THE MEASUREMENTS FOR HEIGHT SHALL BE TAKEN FROM THE GROUND LEVEL TO THE HEIGHT OF THE TOP OF THE PLANT AND NOT THE LONGEST BRANCH.
 - B. SINGLE STEMMED OR THIN PLANTS WILL NOT BE ACCEPTED.
 - C. SIDE BRANCHES SHALL BE GENEROUS, WELL-TWIGGED, AND THE PLANT AS A WHOLE WELL-BUSHED TO THE GROUND.
 - D. PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES, OR OTHER ROOT OR BRANCH INJURIES.

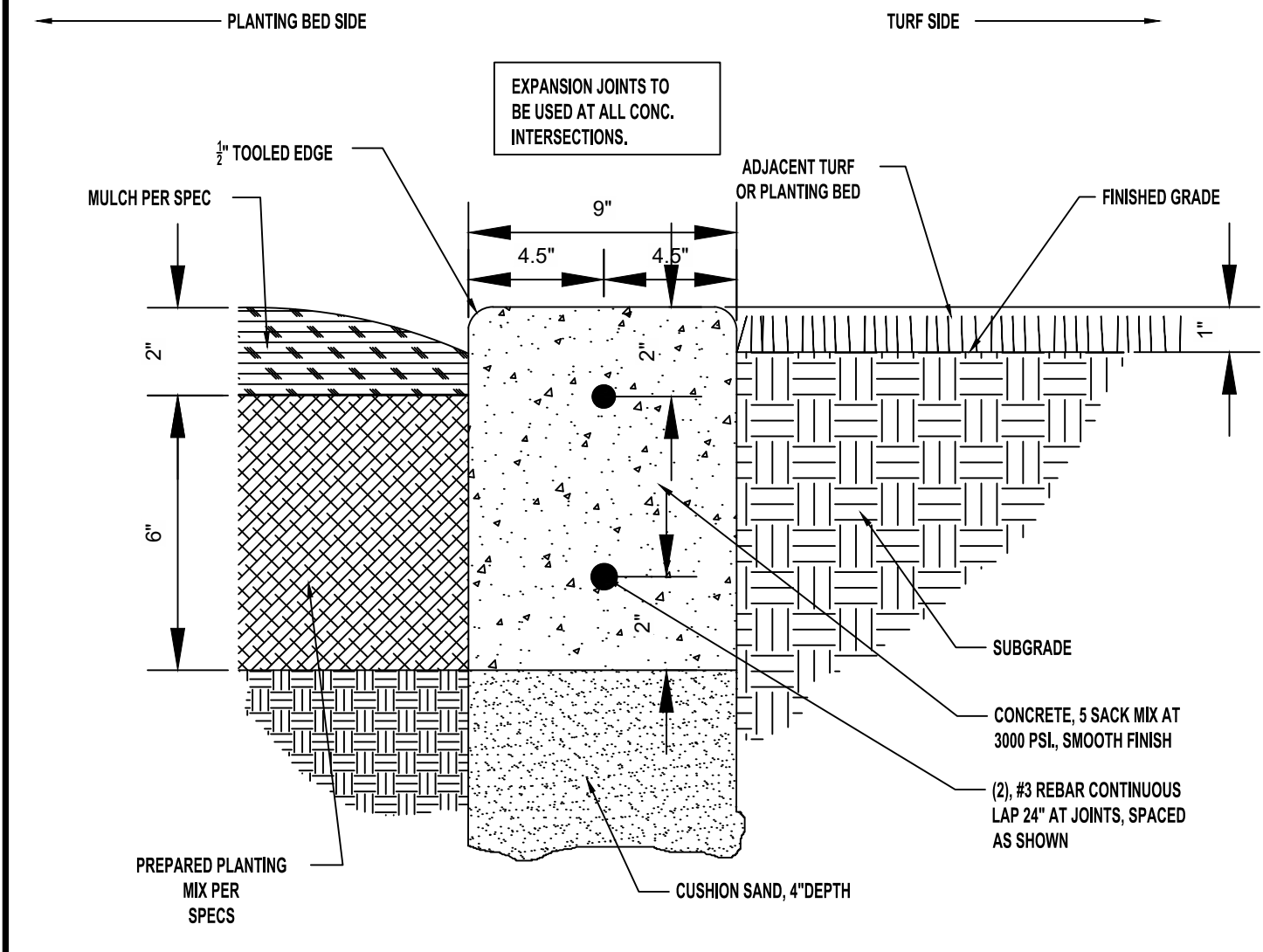
ACCESSORIES

TOPSOIL, FOR PLANTING BEDS: FERTILE, FRIABLE, NATURAL, TOPSOIL OF LOAMY CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL, OBTAINED FROM A WELLY, UNVARIABLE SITE, REASONABLY FREE FROM CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIALS, WITH ACIDITY RANGE BETWEEN pH 6.0 AND 6.8. TOPSOIL TO BE SPREAD EVENLY IN ALL PLANTING BEDS AND GRASS AREAS AT A MINIMUM DEPTH OF 6".

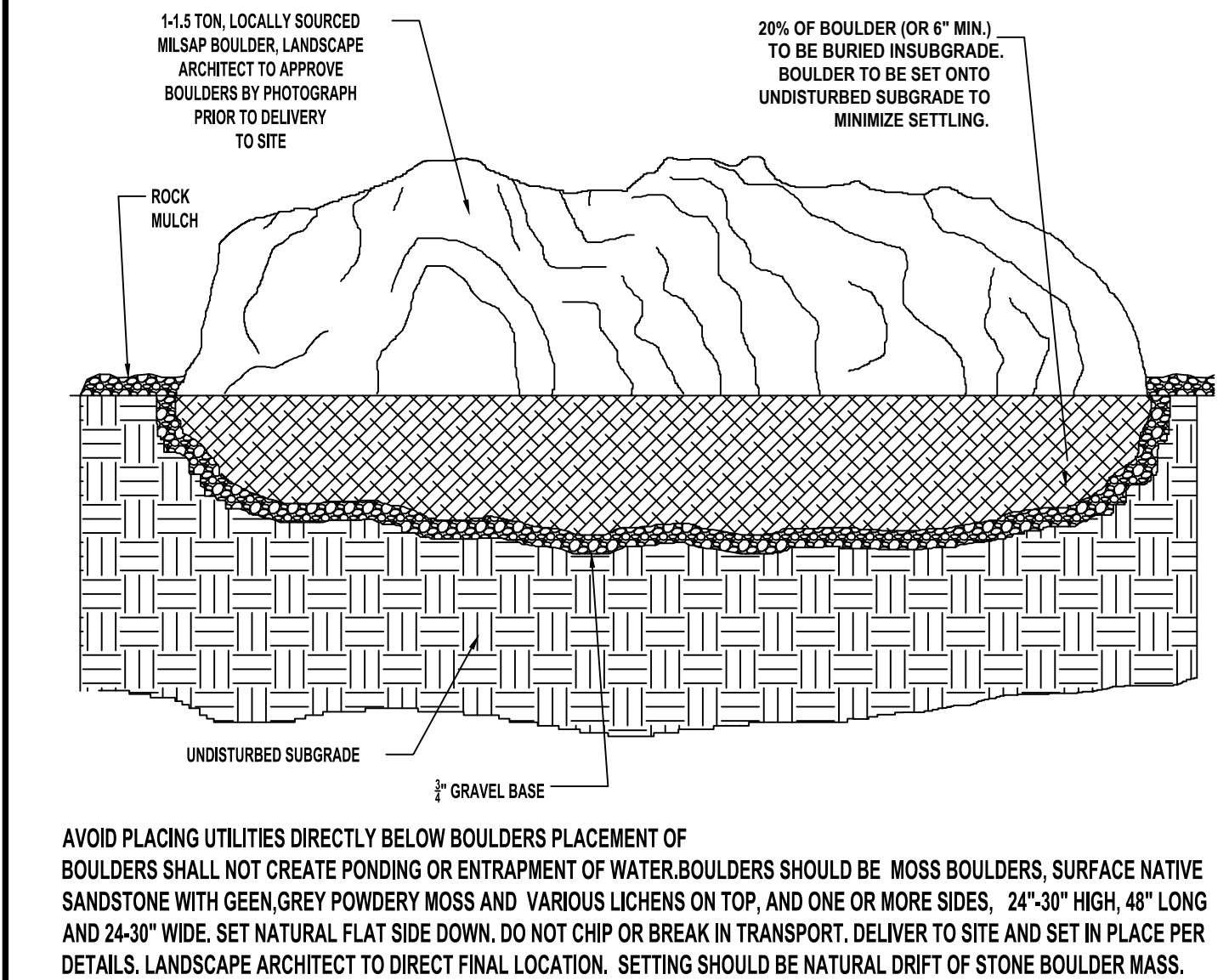
FERTILIZER: SIMILAR OR EQUAL TO MIL

[illegible]

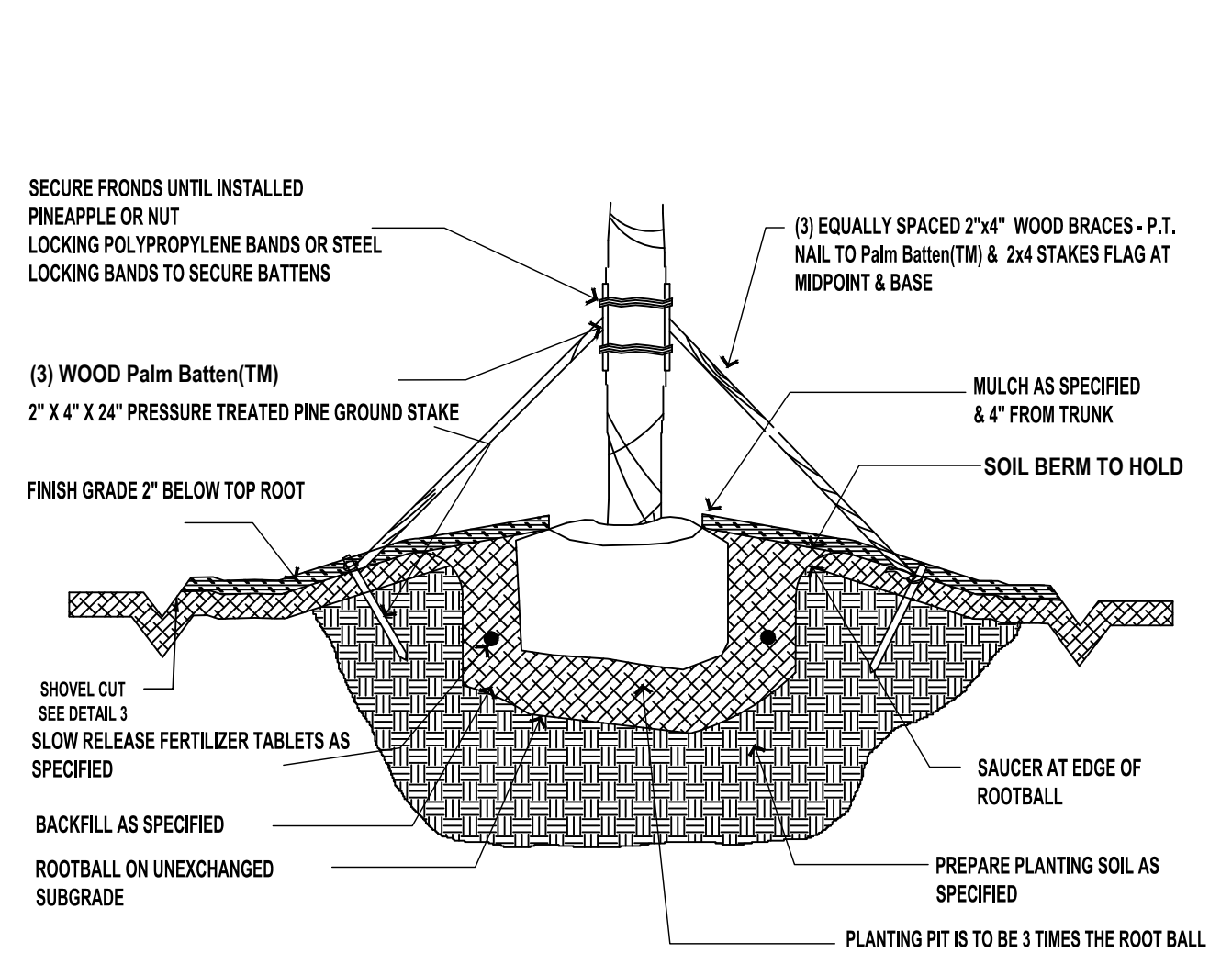
Drawing name: C:\Users\landerson\Gaskins+LeCraw\Dropbox\Shared Folders\Engineering\005062 - RaceTrac - Clayton, GA (44) (@ Private Drive)\CAD\CONSTR005062 - 11 - LANDSCAPE DWG LANDSCAPE DETAILS Mar 12, 2024 9:18am by landerson



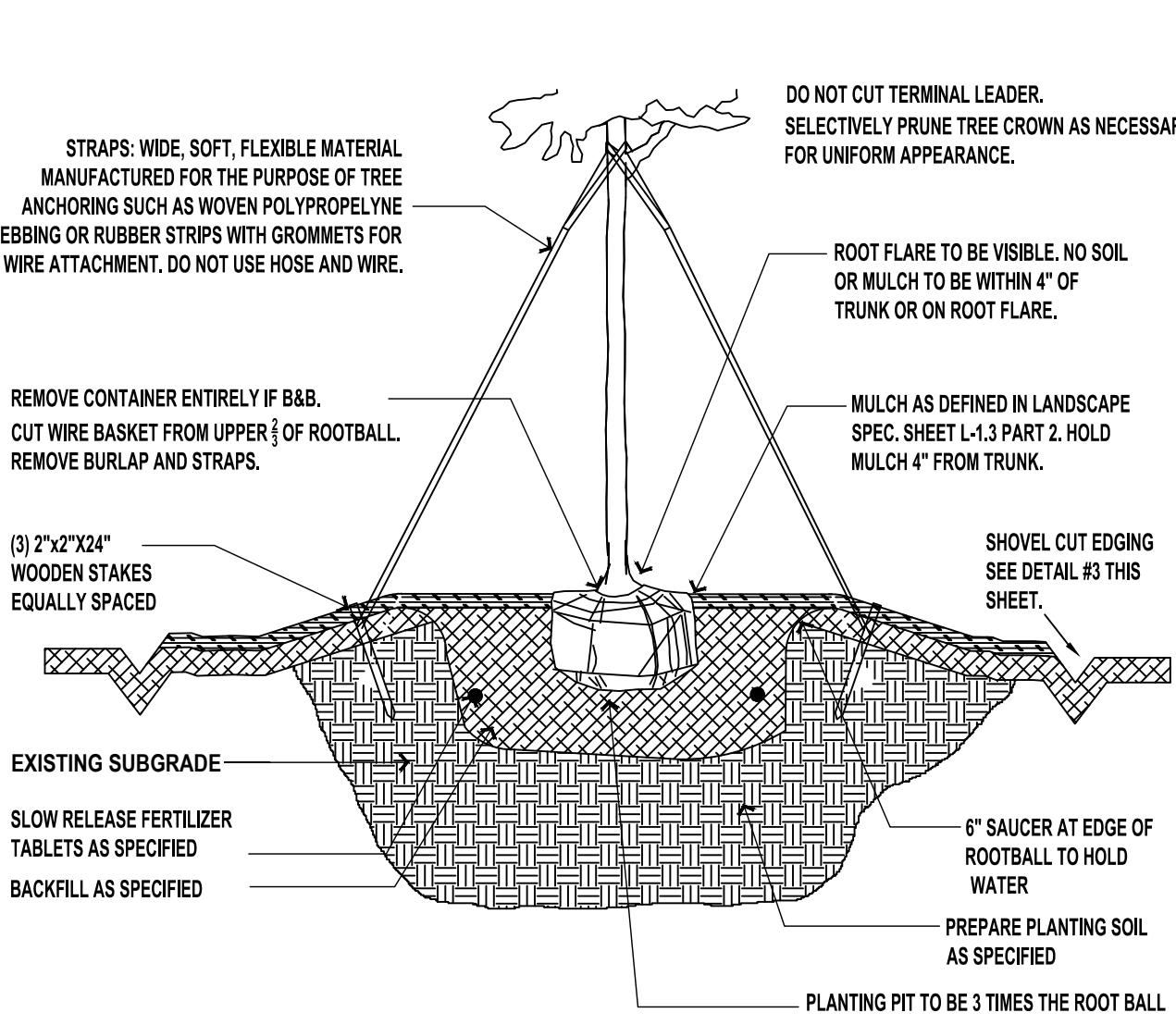
REINFORCED CONCRETE BED EDGE (MOW STRIP) DETAIL



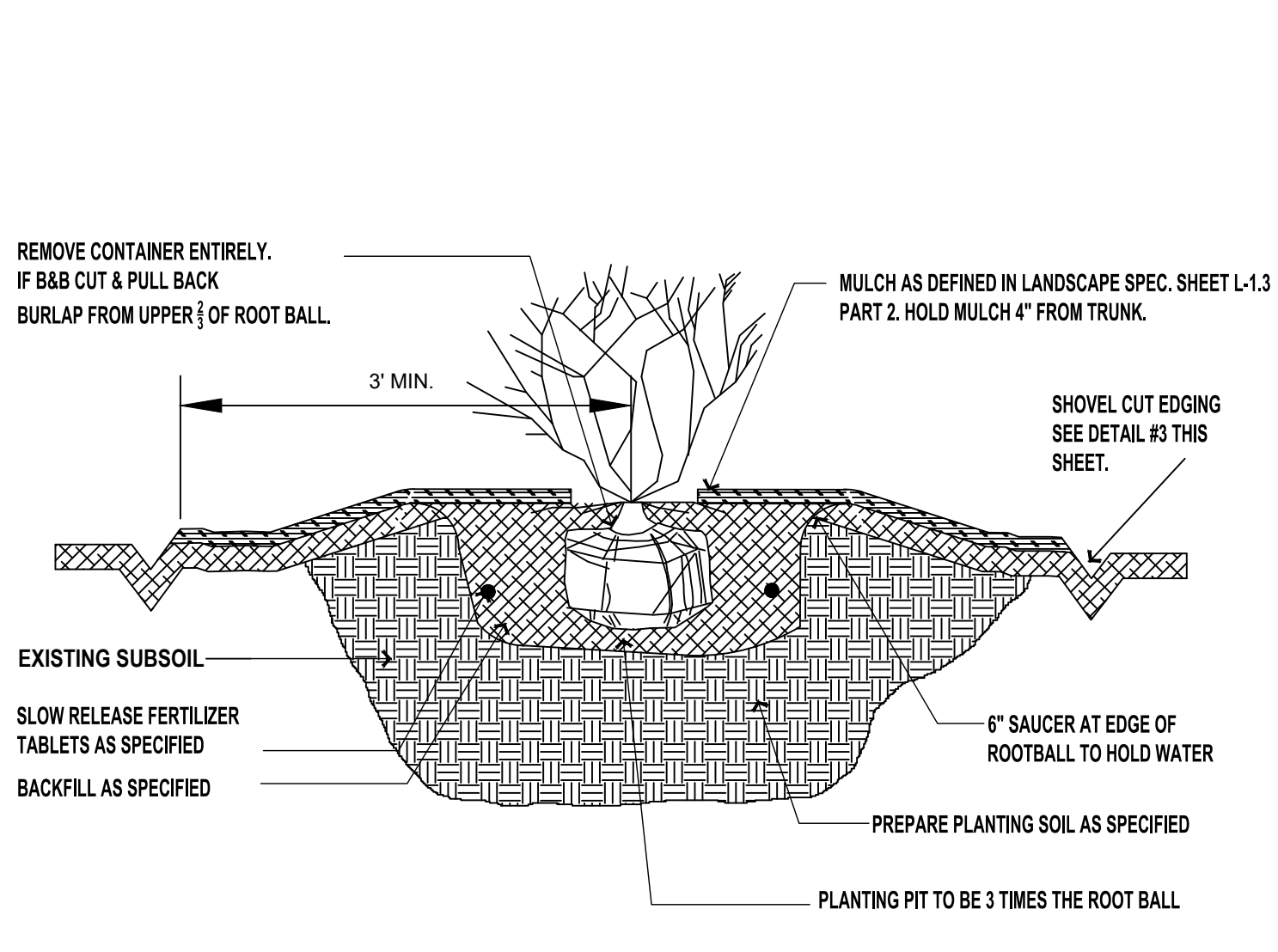
SIGNATURE RIVER ROCK MULCH DETAIL



SHOVEL CUT BED EDGE DETAIL



MULCHING RING AT TREES DETAIL

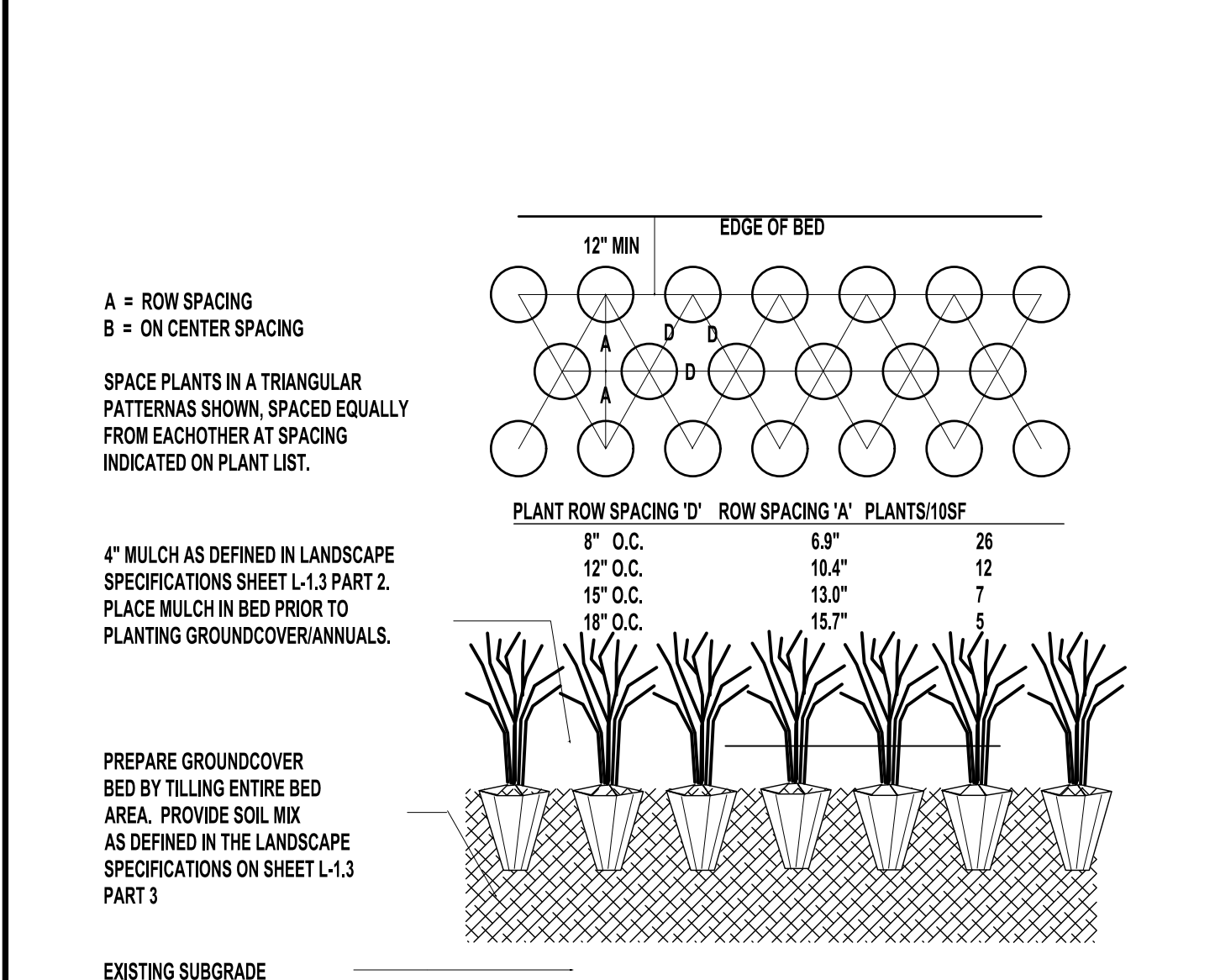


BOULDER INSTALLATION DETAIL

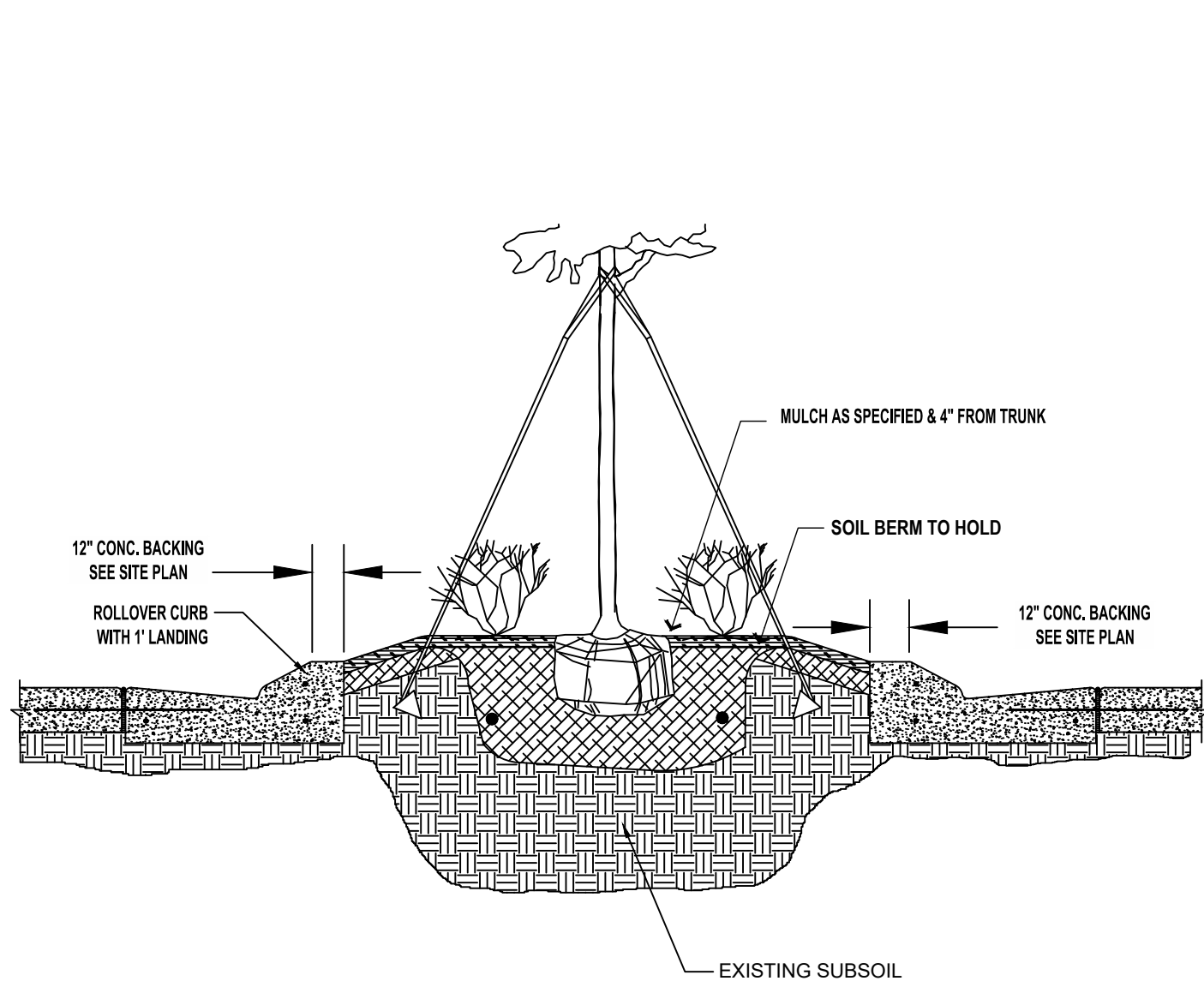
STAKED PALM TREE DETAIL

STAKED TREE DETAIL

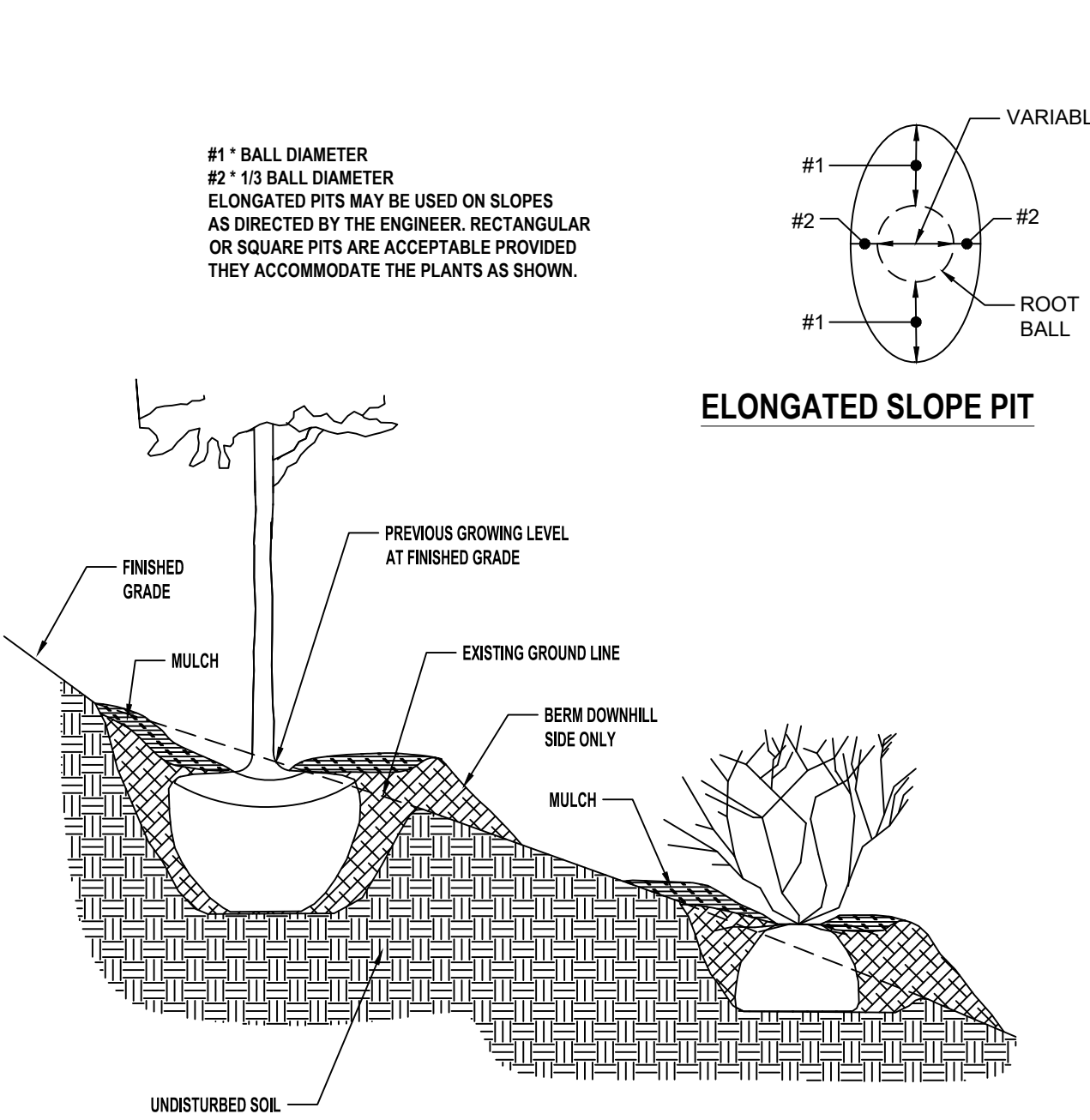
GENERAL SHRUB DETAIL



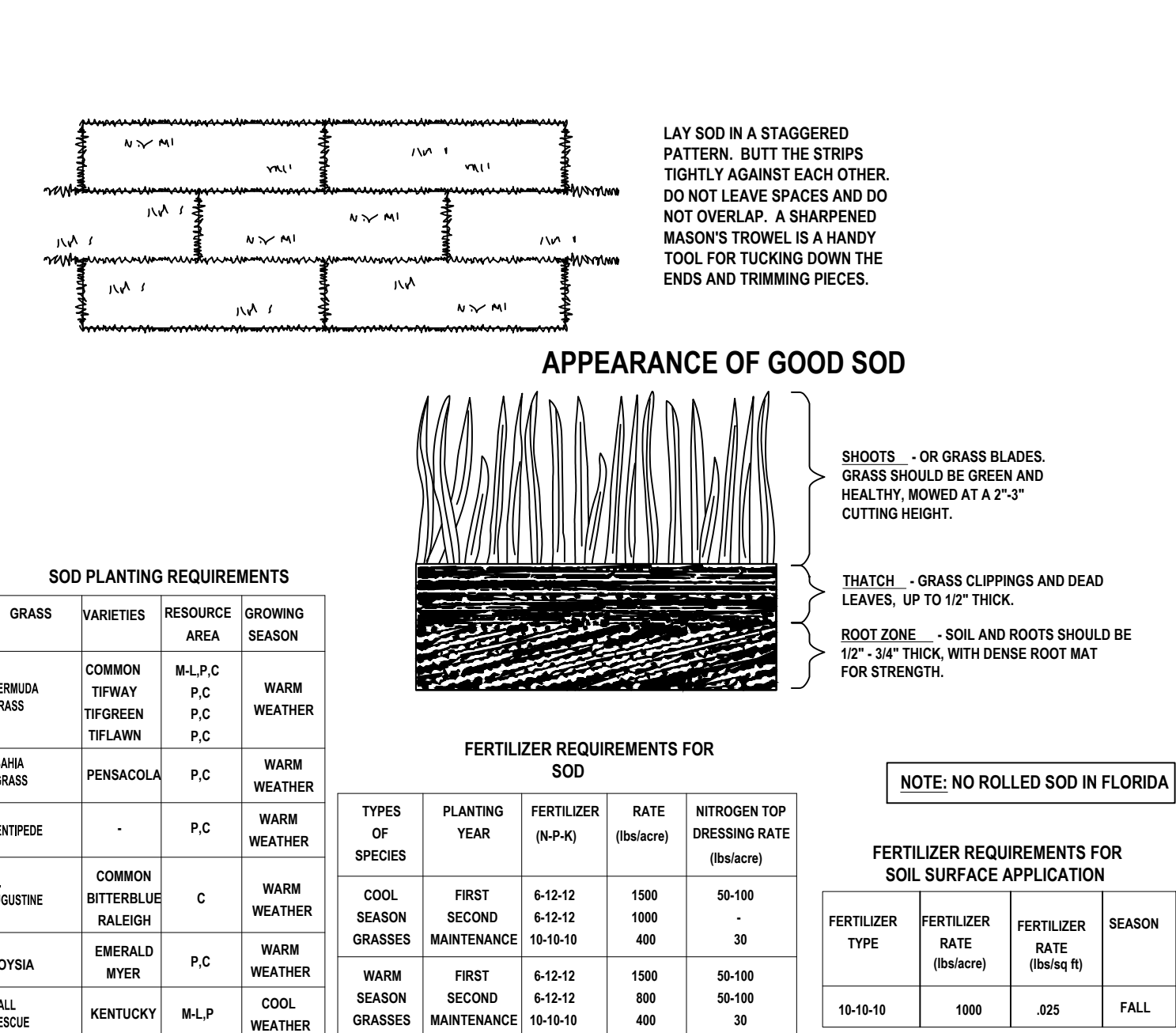
GROUNDCOVER PLANTING DETAIL



LANDSCAPE ISLAND BED (TYP) DETAIL



PLANT PLACEMENT ON SLOPE DETAIL



SOD DETAIL

PREPARED IN THE OFFICE OF:

GASKINS + LECRAW

© 2024 GASKINS + LECRAW, INC.
3475 CORPORATE WAY
SUITE A
DULUTH, GA 30096
PHONE - 678.546.8100
FAX - 770.441.0295
www.gaskinsleccraw.com
P-2646

REVISIONS:

REV #	DATE	CHK'D BY	APP'D BY
1	10/19/23	JUB	TKS
2	12/12/23	JUB	TKS
3	01/18/24	JUB	TKS
4	03/12/24	TAA	TKS

THESE PLANS ARE SUBJECT TO FEDERAL RIGHT-OF-WAY LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

CLIENT: **RaceTrac**

RACETRAC, INC.
200 GALLERIA PARKWAY, SUITE 900 ATLANTA, GA 30339

PROJECT: **RACETRAC - CLAYTON**
18 RADIO LANE
LAND LOT 21, DISTRICT 5, PARCEL 043 012C
CITY OF CLAYTON, RABUN COUNTY, GEORGIA

SEAL:



CALL BEFORE YOU DIG



Know what's below.
Call before you dig.

SCALE & NORTH ARROW:

DETAILS ARE NOT DRAWN TO SCALE

DESIGN INFO:

DRAWN BY: JUB
DESIGNED BY: TAA
REVIEWED BY: TKS
JOB #: 005062
DATE: 3/12/2024

LANDSCAPE DETAILS

L-1.1

SHEET NO.

REV.