



To: Pre-Bid Conference Attendees

From: Shannon McIntyre
City of Mobile Architectural Engineering Department

Re: Mill Street Park – Drainage and Playground Improvements
Project #PR-082-21

Date: October 16, 2023

This Addendum forms a part of, and modifies, the Bid Documents for the above referenced project, dated September 18, 2023. Acknowledge the receipt of this Addendum No. 2 and all subsequent Addenda, if any, in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

General:

Drawings: Attached Drawings, dated Addendum #2 October 16, 2023, shall replace Issued for Bid Drawings dated September 18, 2023 and October 11, 2023.

RFI's:

Question: In the disturbed areas where we put new sod, do we need to fill 4" of topsoil, or will the existing topsoil be suitable?

Answer: Contractor is responsible for sod to be maintained for 30 days past Substantial Completion. Contractor shall make the determination if new soil is required in order for sod to thrive. If sod is not green and a minimum of 85% filled at 30 days past Substantial Completion, Contractor will be responsible to replace with 30 calendar days restarting. It is the Contractors responsibility to water sod as part of the maintenance if required.

Question: For the parking area, I would like to confirm that we are to cut out about 3 ft of the existing ground to build up 24" of structural fill and 6" of crushed aggregate base.

Answer: Correct.

Question: Is there an engineer's estimate for this project?

Answer: There is not a provided budget available.

Question: Is the construction fence around the perimeter a temporary chain link fence or the orange safety fence?

Answer: The Contractor is responsible for maintaining the safety of the site and use Contractors means and methods to provide.

Question: The drainage that runs through the playground area conflicts with some of the playground equipment posts. How do we work around that?

Answer: See issued plans in this Addendum No. 2.

Question: Is the existing chain link fence to be removed?

Answer: Correct.

Question: Does the prime contractor need to be a certified playground installer, or can a subcontractor be the one who is certified?

Answer: The Sub-Contractor can be the certified installer.

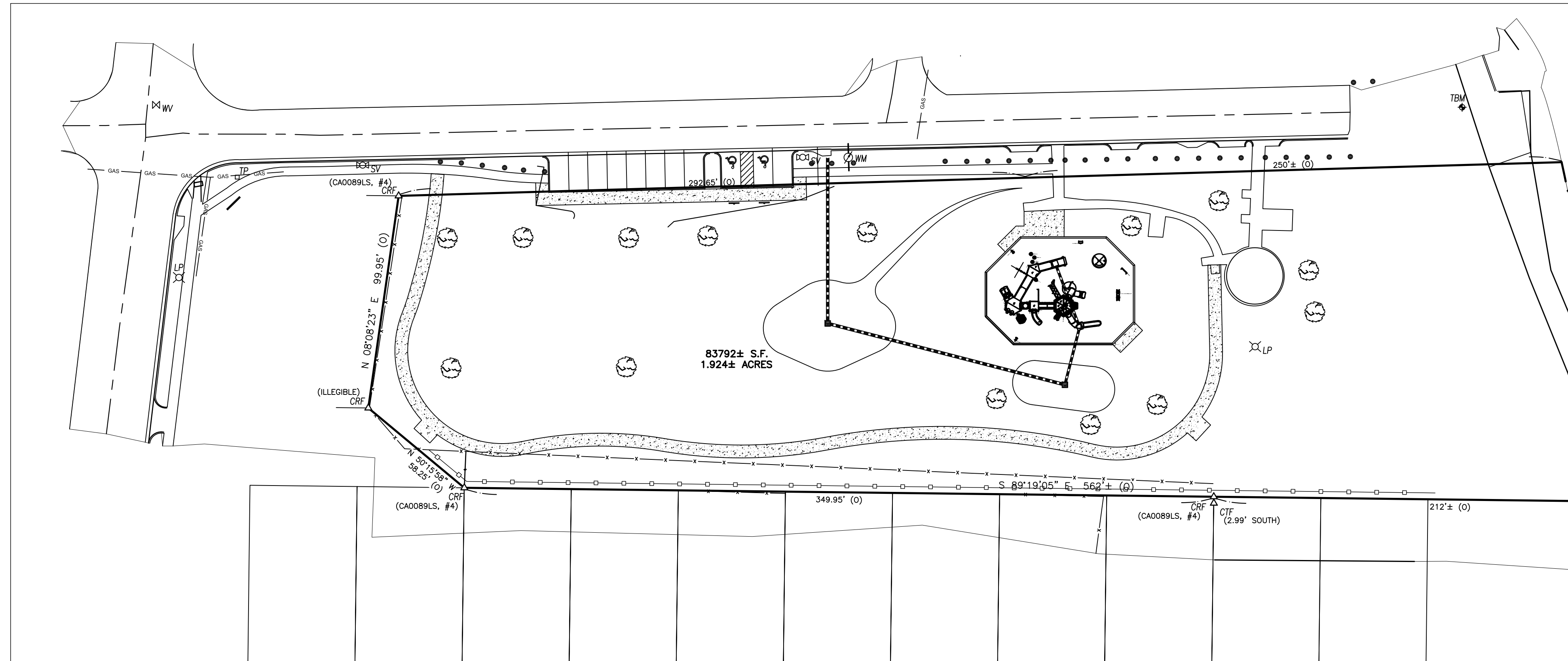
END OF ADDENDUM NO. 2

MILL STREET PARK DRAINAGE AND NEW PLAYGROUND 2665 MILL STREET MOBILE, ALABAMA 36607

DRAWING INDEX

LC100	TITLE SHEET
C1.0	CIVIL NOTES
C2.0	CIVIL NOTES
C3.0	EXISTING CONDITIONS: DEMOLITION PLAN
C4.0	SITE PLAN
C5.0	GRADING, DRAINAGE EROSION CONTROL PLAN
C6.0	CIVIL DETAILS
LH100	SITE PLAN: DETAILS

OVERVIEW



AREA MAP



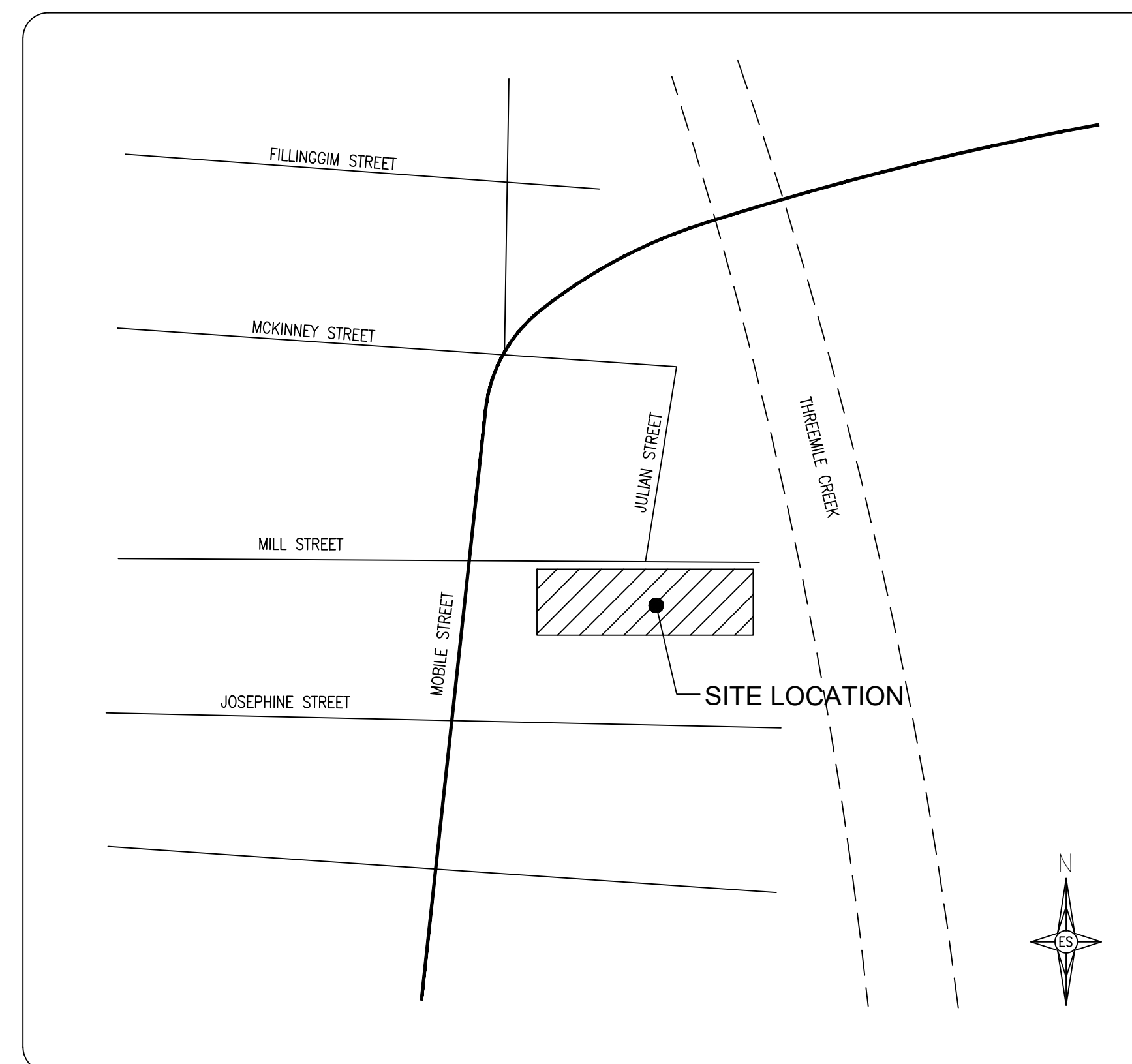
VICINITY MAP



MILL STREET DRAINAGE IMPROVEMENTS

MILL & JULIAN STREET
MOBILE, AL 36601

INDEX TO SHEETS:	
SHEET NO.	SHEET NAME
C1.0	TITLE SHEET
C2.0	CIVIL NOTES
C3.0	EXISTING CONDITIONS & DEMOLITION PLAN
C4.0	OVERALL SITE PLAN
C5.0	GRADING, DRAINAGE & EROSION CONTROL PLAN
C6.0	CIVIL DETAILS



LOCAL VICINITY MAP
NOT TO SCALE

PROJECT CONTACT INFORMATION:

OWNER:
CITY OF MOBILE

ENGINEER:
LIEB ENGINEERING COMPANY, LLC
1290 MAIN STREET, SUITE E
DAPHNE, AL. 36526
(251) 978-9779
CONTACT: CHRIS LIEB, PE

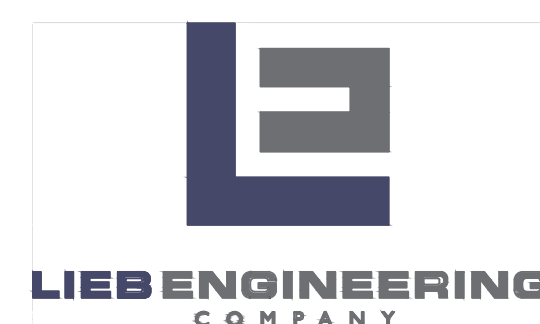
SURVEYOR:
SMITH, CLARK & ASSOCIATES
11111 U.S. HIGHWAY 31
SPANISH FORT, AL. 36527
(251) 626-0404
CONTACT: DANNY CLARK

ALABAMA ONE-CALL

THE CONTRACTOR IS REQUIRED TO CALL "ALABAMA ONE-CALL"
1-800-292-8525 AT LEAST 48 HOURS PRIOR
TO ANY EXCAVATION AND SHALL EXERCISE EXTREME
CARE TO AVOID DAMAGING EXISTING UTILITIES.

ISSUED
FOR
BID

REVISIONS			
A	ISSUED FOR BID	6/5/22	

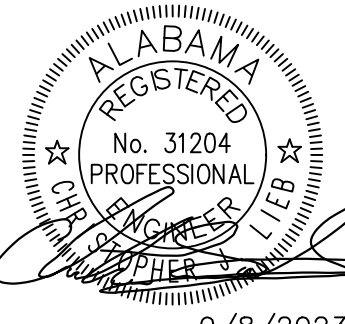


LIEB ENGINEERING COMPANY
1290 MAIN STREET, SUITE E
DAPHNE, AL 36526
PH: (251) 978-9779

NOT VALID WITHOUT THE DATED SIGNATURE AND SEAL OF AN ALABAMA LICENSED ENGINEER.
ALABAMA LICENSED ENGINEER: CHRISTOPHER JAY LIEB, P.E. LICENSE NUMBER 31204
ALABAMA CERTIFICATE OF AUTHORIZATION NUMBER: 4938

JOB NUMBER: 2019-070
DRAWN BY: JLG DATE: 6/5/2022 SCALE: NO SCALE
CHECKED BY: CJL APPROVED BY: CJL ENGR: CJL

MILL STREET IMPROVEMENTS	
CIVIL NOTES	
MOBILE, AL	
OWNER: CITY OF MOBILE	
SHEET NUMBER	C1.0
1 OF 6	A



9/8/2023

GENERAL NOTES:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION.
- CONSTRUCTION SITE SAFETY, INCLUDING ALL ADEQUATE TEMPORARY BRACING AND SHORING, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL MAKE EVERY REASONABLE EFFORT TO FIELD LOCATE ANY AND ALL UTILITIES PRIOR TO ORDERING MATERIALS AND/OR BEGINNING CONSTRUCTION. ANY AND ALL DISCREPANCIES SHALL BE REPORTED TO LIEB ENGINEERING IMMEDIATELY. THE CONTRACTOR SHALL EXERCISE DUE CARE TO PROTECT THEM FROM DAMAGE DURING EXCAVATION AND CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL EXCAVATIONS SHALL ADHERE TO THE PROVISIONS OF THE MOST CURRENT OSHA STANDARDS AND SPECIFICATIONS.
- THIS PROPERTY IS IN ZONE "X", SHADED ZONE X AND ZONE AE AS PER THE MAP BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION COMMUNITY PANEL NUMBER 553 OF 1018 FOR MOBILE COUNTY AND MAP NUMBER 01097C05532L AS PER REVISED MAP DATED JUNE 5, 2020.
- BOUNDARY AND TOPOGRAPHIC DATA WAS COMPILED FROM A SURVEY PROVIDED BY THE WOODLANDS GROUP, LLC.
- CONTRACTOR IS RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (ELECTRIC, WATER, GAS, SEPTIC, SEWER) AS WELL AS PROVIDING ALL INFRASTRUCTURES REQUIRED BY UTILITY COMPANY.

SITE DEMOLITION NOTES:

- ALL EXISTING IMPROVEMENTS SHALL REMAIN WITHIN THE LIMITS OF CONSTRUCTION UNLESS SPECIFICALLY NOTED, "TO BE REMOVED".
- CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING ITEMS TO BE SALVAGED, REMOVED AND REUSED, ETC. CONTRACTOR TO USE CAUTION NOT TO DAMAGE THESE ITEMS DURING REMOVAL AND/OR REUSE. ANY DAMAGED ITEMS SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
- ANY AND ALL UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED OR RELOCATED. COORDINATE WITH UTILITY PROVIDER PRIOR TO REMOVAL/RELOCATION.
- CONTRACTOR TO DISPOSE OF ALL DEMOLITION AND CONSTRUCTION DEBRIS AT LEAST WEEKLY IN AN APPROVED MANNER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, RELOCATION OR PROTECTION OF ALL ABOVE AND BELOW GROUND EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS UNLESS NOTED.

LAYOUT NOTES:

- TOPOGRAPHY AND SITE BOUNDARIES SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIALS AND/OR BEGINNING CONSTRUCTION. IMMEDIATELY NOTIFY LIEB ENGINEERING OF ANY DISCREPANCIES.
- ALL DIMENSIONS AND COORDINATES SHOWN ARE TO THE OUTSIDE FACE OF BUILDING TO THE BACK OF CURB, OR TO THE EDGE OF SURFACING UNLESS OTHERWISE NOTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
- VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF LIEB ENGINEERING. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE. SCALE IS FOR GUIDELINE PURPOSES ONLY. IF DIMENSIONS ARE UNCLEAR, DO NOT SCALE. REQUEST CLARIFICATION FROM THE ENGINEER.
- CONTRACTOR SHALL FOLLOW STATE REQUIREMENTS FOR SURVEY PRACTICES FOR CONSTRUCTION LAYOUT WORK.

GRADING NOTES:

- THE LIMITS OF CLEARING SHALL BE AT THE EDGE OF PROPOSED GRADING OR THE PROPERTY LINE, WHICHEVER IS LESS.
- THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING.
- ALL TOP SOIL WITHIN LIMITS OF CONSTRUCTION (5' BEYOND THE BUILDING FOOTPRINT AND 3' BEYOND PAVEMENTS AND WITHIN THE LIMITS OF GRADING) SHALL BE STRIPPED AND STOCKPILED ON SITE IN AN APPROVED MANNER. TOPSOIL SHALL BE SPREAD 6" DEEP ON ALL NON HARDSHAPE AREAS TO BRING TO FINISHED GRADE. ANY EXCESS TOPSOIL SHALL BE DISPOSED OF OFF SITE IN AN APPROVED MANNER.
- IN CUT AREAS, SUBGRADE SHALL BE SCAFFERED A MINIMUM OF 1" AND RECOMPACTED BEFORE PLACING FILL OR ANY OTHER IMPROVEMENTS. RECOMPACTION SHALL MEET THE SPECIFIED DENSITY AND MOISTURE CONTENT IN GRADING NOTE #6 AND #7.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SUBGRADE AFTER IT HAS BEEN INITIALLY PREPARED DUE TO INCLEMENT WEATHER AND CONSTRUCTION TRAFFIC.
- ALL STRUCTURAL FILL EXHIBIT SM CLASSIFICATION ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, HAVE A MAXIMUM OF 25% SOIL FINES PASSING THE NO. 200 SIEVE, HAVE A MAXIMUM LIQUID LIMIT (LL) OF 20%, HAVE A PLASTICITY INDEX (PI) OF 0% (NON-PLASTIC), HAVE A MINIMUM STANDARD PROCTOR (ASTM D-698) MAXIMUM DRY DENSITY OF 110 PCT. MATERIAL SHALL BE PLACED IN 8" LOOSE LIFTS AND EACH LIFT COMPACTED TO 100 PERCENT STANDARD PROCTER DENSITY AS PER ASTM-698, AT A FIELD MOISTURE WITHIN ±3 PERCENT OF OPTIMUM, ON SITE SOILS FREE OF ORGANICS AND DELETERIOUS MATERIALS AND SATISFYING THE SPECIFICATIONS PROVIDED ABOVE MAY BE STOCKPILED AND USED AS STRUCTURAL FILL.
- PIPE BEDDING SHALL BE "SELECT SAND." THE MATERIAL SHALL CONTAIN LESS THAN 10% PASSING THE #200 SIEVE AND 90% OR LESS PASSING THE #40 SIEVE, BY WEIGHT. MATERIAL SHALL BE PLACED IN 8" LOOSE LIFTS AND EACH LIFT COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY AS PER ASTM-698, AT A FIELD MOISTURE WITHIN ±3 PERCENT OF OPTIMUM, ON SITE SOILS FREE OF ORGANICS AND DELETERIOUS MATERIALS AND SATISFYING THE SPECIFICATIONS PROVIDED ABOVE MAY BE STOCKPILED AND USED AS STRUCTURAL FILL.
- SUBGRADE SHALL BE PROOF ROLLED WITH A HEAVILY LOADED DUMP TRUCK AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL FOUNDATIONS, PAVING, ETC., ANY AREAS SHOWING SIGNS OF PUMPING, RUTTING, OR ANY UNSUITABLE (ORGANIC, SOFT, WET, LOOSE) MATERIAL FOUND IN PLACE SHALL BE UNDERCUT AND REPLACED, OR MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT SPECIFIED.
- FINISHED GRADES ARE SHOWN ON THIS PLAN. CONTRACTOR SHALL MAKE THE APPROPRIATE HOLDDOWNS FOR SUBGRADE ELEVATIONS.
- STORM DRAINAGE INLETS SHALL BE LOCATED AT THE LOWPOINTS. NOTIFY LIEB ENGINEERING OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROVIDE FOR PERSONNEL AND VEHICULAR PROTECTION AT ANY OPEN EXCAVATIONS IN ACCORDANCE WITH 29 CFR PART 1926 AS WELL AS ANY REQUIREMENTS FOR EXCAVATIONS GREATER THAN FOUR (4) FEET IN DEPTH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING ADJACENT TO EXISTING STRUCTURES AND UNDERGROUND UTILITIES DURING ALL EXCAVATION OPERATIONS. TYPE OF SHORING AND PROCEDURE TO BE FOLLOWED MAY BE SUBJECT TO THE ENGINEER'S REVIEW BUT THE STRUCTURAL ADEQUACY OF THESE SYSTEMS, AS WELL AS DAMAGES TO THE EXISTING FACILITIES, ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- COMPACTION TESTS SHALL BE TAKEN AT THE RECOMMENDATION OF THE ON-SITE GEOTECHNICAL ENGINEER, BUT AT A MINIMUM 5 IN THE PAVEMENT AREAS PER 8" LIFTS.
- COMPACTION WITHIN LIMITED SPACES (I.E. MANHOLES, INLETS, UTILITY TRENCHES) SHOULD BE BACKFILLED AND COMPACTED SYSTEMATICALLY, AT THE DIRECTION OF THE ON-SITE GEOTECHNICAL ENGINEER. SAND BACKFILL SHALL BE INSTALLED IN 12" LOOSE LIFTS AND COMPACTED WITH 6-8 PASSES OF A VIBRATORY COMPACTOR.
- DEWATERING SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION. REROUTE SURFACE WATER RUNOFF AWAY FROM EXCAVATED AREAS. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES. INSTALL A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS. MAINTAIN UNTIL DEWATERING IS NO LONGER REQUIRED.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED THROUGHOUT CONSTRUCTION. PONDING AND STANDING WATER SHALL BE KEPT TO A MINIMUM.
- A GEOTECHNICAL REPORT HAS BEEN PREPARED BY GEOCON ENGINEERING AND MATERIALS TESTING, INC. PROJECT NUMBER DL 1834-19. THIS DOCUMENT IS AVAILABLE FOR REFERENCE. ALL EARTHWORK OPERATIONS SHALL BE COORDINATED WITH THE RECOMMENDATIONS OF THIS REPORT. THE BUILDING FOUNDATIONS, CONCRETE PADS, AND ROADS SHALL BE UNDERCUT TO A MINIMUM DEPTH OF 12 INCHES OR TO A DEPTH THAT WILL ALLOW FOR PLACEMENT OF AT LEAST 18 INCHES OF COMPACTED FILL BELOW THE LOWEST BEARING ELEVATION (WHICHEVER UNDERCUT DEPTH IS DEEPER).

STORM DRAINAGE NOTES:

- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL STORM PIPE MATERIALS TO LIEB ENGINEERING PRIOR TO INSTALLATION AND/OR FABRICATION.
- ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) ARE TO BE LOCATED AT THE LOWPOINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY LIEB ENGINEERING OF ANY DISCREPANCIES.
- STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LIEB ENGINEERING OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED STORM PIPE GRADES AND POINTS OF CONNECTION PRIOR TO INSTALLATION. LIEB ENGINEERING SHALL BE NOTIFIED OF ANY DEVIATIONS PRIOR TO CONSTRUCTION.
- PROPOSED STORM PIPES SHALL BE BEDDED IN 6" OF SAND.
- ALL RIP RAP SHALL BE CLASS 2 PER THE ALABAMA DEPT. OF TRANSPORTATION (ALDOT) STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
- ALL STORM PIPES 15" AND LESS SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE) OR SCHEDULE 40 POLYVINYL CHLORIDE (PVC) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- ALL STORM PIPES 18" AND GREATER SHALL BE CLASS 3 REINFORCED CONCRETE PIPE (RCP) BELL AND SPOOT INSTALLED WITH WATERIGHT JOINTS UNLESS OTHERWISE NOTED.
- ALL STORM MANHOLES SHALL BE HANSON CONCRETE OR APPROVED EQUAL PRECAST CONE, RISER, AND BASE SECTIONS WITH GASKETED JOINTS MEETING ALDOT SPECIAL DRAWING # MH-621-2.
- ALL SLOPE PAVED HEADWALLS SHALL BE PER ALDOT SPECIAL DRAWING #HW-614-SP.
- NO OFFSITE RUNOFF WILL BE BLOCKED BY THE PROPOSED CONSTRUCTION.

EROSION CONTROL NOTES:

- SITE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING THE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
- EROSION CONTROL DEVICES SHOWN ON THESE PLANS ARE A MINIMUM. ADDITIONAL DEVICES SHALL BE INSTALLED AS REQUIRED TO PREVENT SILTATION, EROSION AND OTHER DEGRADATION OR POLLUTION TO THE SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, AND PUBLIC ROADWAYS.
- EROSION CONTROL DEVICES SHALL INCLUDE, BUT NOT LIMITED, TO THE FOLLOWING DEVICES: SILT FENCING, BRUSH BERMS, SEDIMENT BASINS, DETENTION PONDS, STRAW WATTLES, CHECK DAMS, FILTER BERMS, JUTE MATTING, VEGETATIVE FILTER STRIPS, TURF REINFORCEMENT MAT, DIVERSION BERMS, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES IN GOOD OPERATING CONDITION DURING ALL LAND DISTURBING ACTIVITIES. THIS RESPONSIBILITY SHALL INCLUDE THE CLEANUP AND/OR REPAIRS TO THE DEVICES AT NO ADDITIONAL COST TO THE OWNER.
- EROSION CONTROL DEVICES SHALL BE MONITORED AND MAINTAINED UNTIL THE SITE HAS BEEN PERMANENTLY STABILIZED AND AFTER EACH RAINFALL GREATER THAN 0.5 INCHES IN A 24 HOUR PERIOD, ANY WIND GUSTS GREATER THAN 25 MPH, AND ANY SUSTAINED WINDS GREATER THAN 20 MPH IN A 24 HOUR PERIOD.
- AFTER ALL LAND DISTURBANCE ACTIVITIES HAVE CEASED AND AFTER ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED, THE EROSION CONTROL DEVICES SHALL BE REMOVED BY THE CONTRACTOR AND THE AREA CLEANED AND DRESSED.
- DEWATERING OPERATIONS MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR POLLUTION TO ADJACENT PROPERTIES, STREAMS, DITCHES, OR PUBLIC ROADWAYS.
- A GRAVELED ACCESS DRIVE OF SUFFICIENT SIZE SHALL BE AT EACH SITE ENTRANCE/EXIT TO PREVENT TRACKING OF DIRT AND SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. IF SEDIMENT REACHES THE ROADWAY, THEN IT MUST BE CLEANED AT THE END OF EACH WORKDAY.
- ALL LAND DISTURBANCE ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE EXPOSURE OF BARE AREAS AT ANY ONE TIME.
- ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE SEEDED AND MULCHED.
- PRIOR TO SITE CLEARING, ALL PERIMETER SILT FENCING, BRUSH BERMS, ETC. AND GRAVELED ACCESS DRIVES SHALL BE INSTALLED.
- ALL EXISTING STREAMS, DITCHES, ETC. SHALL BE PROTECTED FROM SEDIMENTS AND SILTS BY SILT FENCING, WATTLES, BRUSH BERMS, ETC.
- WATTLES OR SILT FENCING SHALL BE INSTALLED AT ALL INLETS UPON THE COMPLETION OF EACH INLET AS INSTALLED.
- RIP RAP SHALL BE PLACED AT EACH HEADWALL IMMEDIATELY FOLLOWING CONSTRUCTION OF EACH HEADWALL.
- GEOTEXTILE SHALL BE PLACED ON ALL 3:1 SIDE SLOPES. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- GOOD HOUSEKEEPING PRACTICES AND PREVENTATIVE MAINTENANCE SHALL BE PERFORMED ON SITE DAILY TO PREVENT POLLUTION SOURCES FROM CONTACTING STORMWATER AND GROUND WATER. THIS INCLUDES, BUT IS NOT LIMITED TO: EQUIPMENT INSPECTION FOR LEAKS OF HAZARDOUS MATERIALS, PICKUP AND PROPER DISPOSAL OF WASTE MATERIALS TO APPROVED DISPOSAL SITES, STORING CONTAINERS AND BAGS AWAY FROM TRAFFIC ROUTES, PUBLICIZING POLLUTION PREVENTION CONCEPTS THROUGH POSTERS, WASHING EQUIPMENT AND VEHICLES AT APPROVED WASHING LOCATIONS, AND USING ONLY WATER (NO DETERGENTS) FOR WASHING ACTIVITIES.
- AT A MINIMUM, THE EROSION CONTROL DEVICES SHOWN ON THESE PLANS SHALL BE INSTALLED. ADDITIONAL MEASURES MAY BE REQUIRED AND SHALL BE IMMEDIATELY INSTALLED UPON ANY ADDITIONAL SILTATION, EROSION, AND OTHER DEGRADATION OR POLLUTION TO THE SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, AND PUBLIC ROADWAYS NOT MITIGATED OR UNFORESEEN BY THIS SET OF PLANS.
- THE CONTRACTOR SHALL SIZE, INSTALL, AND MAINTAIN ADEQUATE CONTROLS FOR THE SITE. REFER TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.
- CONTRACTOR TO CLEAN AND REMOVE ALL SEDIMENT AND OTHER MATERIALS FROM ALL BMP'S ONCE THEY BECOME 1/2 FULL.

CONCRETE NOTES:

- ALL NORMAL WEIGHT CONCRETE SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI UNLESS NOTED OTHERWISE.
- CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED IN THE CONCRETE.
- TEST CYLINDERS SHALL BE MADE AND TESTED AS OUTLINED IN THE ACI 301 SPECIFICATION, AND PER PROJECT SPECIFICATIONS.
- REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60 AND PLACED IN ACCORDANCE WITH ACI-315, LATEST EDITION UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- FABRICATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315.
- UNLESS OTHERWISE NOTED, CONCRETE COVER FOR REINFORCING BARS SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF ACI 318.
- PROVIDE 3/4" BY 45 DEGREE CHAMFER ON ALL EXPOSED CONCRETE EDGES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- TYPE II PORTLAND CEMENT SHALL BE USED IN THE MANUFACTURE OF ALL CONCRETE UNLESS OTHERWISE NOTED. PORTLAND CEMENT SHALL CONFORM TO C150, ONLY ONE BRAND OF CEMENT SHALL BE USED FOR ALL CONCRETE FOR EXPOSED SURFACES OF ADJACENT STRUCTURES.
- AGGREGATE, BOTH COARSE AND FINE, USED IN THE MANUFACTURE OF CONCRETE SHALL CONFORM TO ASTM C33 UNLESS OTHERWISE NOTED.
- CONTRACTOR MAY SUBSTITUTE CONSTRUCTION JOINTS IN LIEU OF CONTROL JOINTS AS NEEDED.
- EXPANSION JOINT MATERIAL SHALL BE BITUMINOUS TYPE PER ASTM D994.
- SEALANT SHALL BE BASF SONOLASTIC SL2, OR OTHER ELASTOMERIC JOINT SEALANT AS APPROVED. ALL SEALANT MATERIAL SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
- PAVEMENT SURFACE SHALL HAVE BROOM FINISH.

PROJECT NARRATIVE:

- THE PARK IS ADDING A FEW SIDEWALKS AND DRAINAGE IMPROVEMENTS. THE PARK WILL ALSO BE GETTING A NEW GATE AND A CONCRETE EQUIPMENT DROP AREA. A SWALE WILL ALSO BE ADDED BY THE BOYS AND GIRLS CLUB TO ENHANCE DRAINAGE.

SEEDING AND SODDING NOTES:

- AREAS TO RECEIVE SEED OR SOD SHALL BE CLEAN OF DEBRIS AND FREE OF WEEDS.
- SEED MIX TO BE DROUGHT TOLERANCE FESCUE OR REGIONAL SPECIFIC BLEND. 1/4 TO 1/3 OF THE SEED MIXTURE TO BE ANNUAL RYE TO AIDE IN LIMITING EROSION OF PERENNIAL SEED DURING GERMINATION.
- STRAW SHALL BE THRESHED STRAW OF HAY, OATS, WHEAT, BARLEY, OR RYE. SPREAD AT A RATE OF 2 1/2 TONS PER ACRE. STRAW, NETTING, AND OTHER ANTI-EROSION MATERIALS TO BE REMOVED AFTER ESTABLISHED LAWN.
- MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER SEEDING. WATER REGULARLY TO KEEP LAWN AREAS MOIST TO MAXIMIZE GERMINATION AND MAINTAIN OPTIMUM GROWTH AND SURVIVAL TO ACHIEVE AN ACCEPTABLE STAND OF ESTABLISHED LAWN PRIOR TO THE STORE POSSESSION DATE, FREE OF ERODED OR BARE AREAS.
- ALL SOIL USED FOR PLANTING SHALL CONSIST OF REGIONALLY APPROPRIATE SOILS.
- ALL PLANTINGS SHALL BE THOROUGHLY WATERED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF THE PLANTINGS.
- ALL DISTURBED GRADES GREATER THAN 8:1 SHALL BE STABILIZED BY SODDING. SODDING PINS ARE TO BE USED ON ALL 4:1 GRADES.

TRAFFIC CONTROL NOTES:

- THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST EDITION AND REVISION OF PART VI OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE APPROVED TRAFFIC CONTROL PLAN FOR ALL CONSTRUCTION WITHIN WORK AREAS SHOWN AND DESCRIBED IN PART VI OF THE MUTCD.
- PERMANENT ROADWAY SIGNS OR TEMPORARY CONSTRUCTION SIGNS WHICH ARE NOT APPLICABLE OR INAPPROPRIATE FOR THE CURRENT CONDITIONS SHALL BE COVERED OR REMOVED.
- THE DIMENSIONS SHOWN OR DESCRIBED FOR LOCATING CONSTRUCTION SIGNS ARE NOMINAL. THE ACTUAL DIMENSIONS SHALL BE ADJUSTED TO BEST FIT LOCAL CONDITIONS AND PROVIDE MAXIMUM VISIBILITY.
- IF TRAFFIC CONTROL DEVICES ARE NECESSARY FOR PROPER WARNING AND TRAFFIC CONTROL AFTER SUNSET, THEN AS A MINIMUM, TYPE "B" WARNING LIGHTS SHALL BE PLACED ON THE FIRST WARNING SIGN AND CHANNELIZING DRUM AND TYPE "A" REFLECTIVE SHEETING SHALL BE REQUIRED ON ALL SIGNS.
- HAZARDOUS CONDITIONS ON OPEN ROADWAYS SUCH AS PAVEMENT DROP-OFFS IN EXCESS OF 2"; CONSTRUCTION MATERIALS, VEHICLES, OR EQUIPMENT STORED OR PLACED WITHIN THE ROADWAY RIGHT-OF-WAY; AND OPEN TRENCHES ACROSS OR NEAR THE ROADWAY SHALL NOT BE ALLOWED UNLESS THE CONTRACTOR IS ON SITE AND WORKING, AND PROPER TRAFFIC CONTROL MEASURES ARE BEING TAKEN.
- THE CONTRACTOR SHALL KEEP OPEN ROADWAYS CLEAN AND FREE OF CONSTRUCTION DEBRIS, DIRT, LOOSE GRAVEL OR OTHER MATERIAL THAT MAY CAUSE HAZARDOUS DRIVING CONDITIONS.
- TRAFFIC CONTROL DEVICES SHALL MEET THE STANDARD MATERIAL AND INSTALLATION REQUIREMENTS SPECIFIED IN THE CURRENT EDITION OF THE A.L.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- ROADWAYS AND DRIVEWAYS SHALL REMAIN OPEN DURING CONSTRUCTION.
- CHANNELIZING DEVICES SHALL BE PLACED AT 10' ON CENTER ALONG MINIMUM 20' RADII TO CHANNELIZE TRAFFIC INTO AND OUT OF INTERSECTING ROAD AND DRIVES WITHIN AREAS WHERE CHANNELIZING DEVICES ARE REQUIRED. TEMPORARY REGULATORY SIGNS SUCH AS STOP SIGNS AND YIELD SIGNS SHALL BE PLACED AS NECESSARY FOR PROPER TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD.

CITY OF MOBILE NOTES:

- THE CITY OF MOBILE CITY ENGINEERING INSPECTOR IS TO BE NOTIFIED TWENTY-FOUR HOURS PRIOR TO ANY ACTIVITY WITHIN THE RIGHT OF WAY. THE PRIOR NOTICE APPLIES TO ALL ACTIVITY WITHIN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO TRENCHING, BORING, CONCRETE PLACEMENT (SIDEWALK, DRIVEWAY, AND ANY OTHER CONCRETE PLACEMENT). AN INSPECTION BY THE CITY OF MOBILE CITY ENGINEERING INSPECTOR IS REQUIRED PRIOR TO ANY CONCRETE PLACEMENT.
- THE CITY ENGINEERING INSPECTOR FOR THIS PROJECT IS PAM HERPEL (251-436-9852, PAM.HERPEL@CITYOFMOBILE.ORG)
- ALL WORK WITHIN THE CITY OF MOBILE RIGHT OF WAY MUST COMPLY WITH THE "MOBILE RIGHTS OF WAY CONSTRUCTION AND ADMINISTRATION ORDINANCE". A COPY OF THE ORDINANCE MAY BE FOUND AT HTTP://CITYOFMOBILE.ORG, ONLINE SERVICES, FORMS AND APPLICATIONS, ENGINEERING, RIGHTS OF WAY CONSTRUCTION AND ADMINISTRATION ORDINANCE.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE STORM WATER DRAINAGE ORDINANCE AND FLOOD PLAIN MANAGEMENT PLAN OF THE CITY OF MOBILE, ALABAMA, INCLUDING BUT NOT LIMITED TO:
 - DO NOT ALTER THE NATURAL DRAINAGE FLOW PATTERN IN THE AREA OF WORK.
 - DO NOT DIVERT STORM WATER ONTO ADJACENT PROPERTY OR INCREASE THE AMOUNT OF NATURAL DRAINAGE FLOW ONTO AN ADJACENT PROPERTY OWNER OR PREVENT THE NATURAL FLOW OF WATER IN THE AREA OF WORK.
- DO NOT FILL WETLANDS WITHOUT A PERMIT FROM THE US ARMY CORPS OF ENGINEERS.
- ANY WORK IN THE FLOOD PLAIN IS IN COMPLIANCE WITH ALL THE REQUIREMENTS OF DIVISION 2, FLOOD PLAIN REQUIREMENTS OF CITY OF MOBILE, ALABAMA STORM WATER DRAINAGE ORDINANCE.
- ANY DAMAGE TO ANY CITY OF MOBILE FACILITY OR DRAINAGE STRUCTURE, DITCH, ETC. SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR TO THE CITY OF MOBILE STANDARDS AT NO COST TO THE CITY OF MOBILE. IT IS THE RESPONSIBILITY OF THE PERMITTEE TO NOTIFY THE CITY OF MOBILE IMMEDIATELY IF ANY DAMAGE OCCURS. JESSE YAWN SHOULD BE NOTIFIED AT 251-208-7145 IN THE CITY OF MOBILE RIGHT OF WAY DEPARTMENT.
- ANY EXCESS SOIL FROM A HAND HOLE OR ANY EXCAVATION FOR PITS, ETC., SHALL BE REMOVED FROM THE RIGHT OF WAY (NOT LEFT IN THE RIGHT OF WAY).
- THE INSTALLATION OF AN IRRIGATION SYSTEM WITHIN THE CITY OF MOBILE RIGHT OF WAY WILL REQUIRE THE APPROVAL OF AN IRRIGATION PLAN AND A CITY OF MOBILE RIGHT OF WAY PERMIT.
- ALL DISTURBED AREAS OF THE RIGHT OF WAY TO BE SOLID SODDED AND EXISTING BARE AREAS MAY REQUIRE SOD. EXISTING VEGETATION MAY REQUIRE REMOVAL AND PLACEMENT OF SOD DEPENDING ON ITS CONDITION. THE SOD IS REQUIRED TO BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK.
- ALL STORM DRAIN PIPE INSTALLED IN THE CITY OF MOBILE RIGHT OF WAY, CITY OF MOBILE EASEMENT, OR CARRYING PUBLIC STORMWATER ARE TO HAVE THE JOINTS WRAPPED WITH FILTER FABRIC, ARE REQUIRED NOT TO HAVE ANY LIFTING HOLES (FILLING THE LIFTING HOLES IS NOT ALLOWED), SHALL BE A MINIMUM OF 15 INCH IN DIAMETER, AND SHALL BE REINFORCED CONCRETE PIPE (RCP). THE CONTRACTOR NEEDS TO NOTIFY THE PIPE MANUFACTURER AHEAD OF TIME THAT THE PROJECT IS WITHIN THE CITY OF MOBILE RIGHT OF WAY.
- THE CITY OF MOBILE REQUIRES A MINIMUM OF THIRTY-SIX INCH SEPARATION BETWEEN ANY PIPE/STRUCTURE AND A CITY OF MOBILE STORM DRAINPIPE. PROVIDE A CROSS-SECTION RELATIVE TO ALL PROPOSED PIPE INSTALLATIONS THAT ARE ADJACENT TO A STORM DRAINPIPE(S) WITHIN THE CITY OF MOBILE RIGHT OF WAY. THE CROSS-SECTION WILL NOT BE REQUIRED IF THE PIPE IS INSTALLED BY A UTILITY COMPANY AND NOT THE PROJECT'S CONTRACTOR.
- ALL SIDEWALK CONSTRUCTION MUST COMPLY WITH CITY OF MOBILE CITY ENGINEERING STANDARD DRAWING 12, "CONCRETE SIDEWALK DETAILS". REFER TO THE STANDARD DRAWING DETAILS INCLUDED IN THE PLAN.
- ANY SIDEWALK PANELS WHICH ARE CRACKED, HAVE BEEN SHOVED CREATING A TRIPPING HAZARD, OR THOSE WHICH HAVE BEEN WORN TO THE EXTENT THAT THEY CREATE A SLIPPING HAZARD, ARE REQUIRED TO BE REPLACED. THE DETERMINATION OF THIS CONDITION IS ULTIMATELY THE DECISION OF THE CITY.
- AN ADA COMPLIANT TRUNCATED DOME PANEL WILL BE REQUIRED ON THE SIDEWALK AT EACH SIDE OF THE DRIVEWAY. THE TRUNCATED DOME PANEL MUST BE A POLYMER COMPOSITE TRUNCATED DOME PANEL THAT MEETS THE REQUIREMENTS STATED IN THE CITY ENGINEERING TYPICAL HANDICAP CURB RAMP STANDARD DRAWING SEVEN.
- THE FINAL RESURFACING LIMITS SHALL BE AT THE DISCRETION OF THE CITY ENGINEER, TO BE DETERMINED AT A FIELD INSPECTION/SITE VISIT UPON COMPLETION OF THE INSTALLATION OF ALL PERMITTED INFRASTRUCTURE FACILITIES, PRIOR TO THE CONTRACTOR BEGINNING PAVING.
- A VIDEO SHALL BE SUBMITTED TO THE CITY SHOWING THE UNDERGROUND DETENTION SYSTEM PIPES, THE PIPE FROM THE OUTLET STRUCTURES TO THE CITY DRAINAGE SYSTEM, AND THE PIPE CARRYING PUBLIC WATER. THE PIPE MUST BE VIDEOED AFTER THE PROJECT'S COMPLETION, BUT PRIOR TO THE REQUEST FOR A CERTIFICATE OF OCCUPANCY. SUBMIT THE VIDEO TO THE CITY OF MOBILE WITH THE ENGINEER'S AS-BUILT CERTIFICATION PACKAGE. THE VIDEO NEEDS TO BE REVIEWED BY THE PROJECT ENGINEER BEFORE BEING SUBMITTED TO THE CITY. EACH JOINT NEEDS TO BE PANNED LEFT AND RIGHT AS WELL AS ANY DEFICIENCIES BEING WELL DOCUMENTED VIA VIDEOGRAPHY, INCLUDING A WRITTEN REPORT.
- CONTRACTOR SHALL CONTACT CITY ENGINEERING DEPARTMENT VIA EMAIL AT LAND.DISTURBANCE@CITYOFMOBILE.ORG AT LEAST 24 HOURS PRIOR TO BEGINNING ANY WORK ON THIS SITE, TO SCHEDULE AN INITIAL ON-SITE BMP INSPECTION WITH THE APPROPRIATE CITY ENGINEERING INSPECTOR. FAILURE TO CONTACT THE CITY ENGINEERING DEPARTMENT PRIOR TO BEGINNING ANY WORK IS A VIOLATION OF THE STORM WATER MANAGEMENT AND FLOOD CONTROL ORDINANCE AND MAY INVOLVE ENFORCEMENT ACTION IN THE FORM OF A MUNICIPAL OFFENSE TICKET.
- THE CONTRACTOR SHALL SIZE, INSTALL, AND MAINTAIN ADEQUATE CONTROLS FOR THIS SITE. REFER TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.
- THE CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION AND CONTINUED MAINTENANCE OF EROSION CONTROL ELEMENTS.
- DETENTION POND MAINTENANCE RESPONSIBILITY IS WITH THE PROPERTY OWNER AND/OR THE PROPERTY/HOMEOWNER'S ASSOCIATION AND IS NOT THE RESPONSIBILITY OF THE CITY OF MOBILE.
- ANY DISTURBED AREA(S) MAY NOT REMAIN DEWELDED LONGER THAN 10 DAYS.
- A VIDEO SHALL BE SUBMITTED TO THE CITY SHOWING THE UNDERGROUND DETENTION SYSTEM PIPES, THE PIPE FROM THE OUTLET STRUCTURES TO THE CITY DRAINAGE SYSTEM, AND THE PIPE CARRYING PUBLIC WATER. THE PIPE MUST BE VIDEOED AFTER THE PROJECT'S COMPLETION, BUT PRIOR TO THE REQUEST FOR A CERTIFICATE OF OCCUPANCY. SUBMIT THE VIDEO TO THE CITY OF MOBILE WITH THE ENGINEER'S AS-BUILT CERTIFICATION PACKAGE. THE VIDEO NEEDS TO BE REVIEWED BY THE PROJECT ENGINEER BEFORE BEING SUBMITTED TO THE CITY. EACH JOINT NEEDS TO BE PANNED LEFT AND RIGHT AS WELL AS ANY DEFICIENCIES BEING WELL DOCUMENTED VIA PHOTOGRAPHY, INCLUDING A WRITTEN REPORT.
- IF THE DISTURBED AREA INCREASES DURING CONSTRUCTION TO 1 ACRE (OR MORE), THEN WORK MUST STOP UNTIL AN ADEM NPDES CONSTRUCTION PERMIT IS OBTAINED AND A TIER 1 LAND DISTURBANCE PERMIT IS APPROVED BY THE CITY OF MOBILE.

ALABAMA ONE-CALL

THE CONTRACTOR IS REQUIRED TO CALL "ALABAMA ONE-CALL" 1-800-292-8525 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND SHALL EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING UTILITIES.

ISSUED FOR BID

REVISIONS			
A	ISSUED FOR BID	6/5/22	

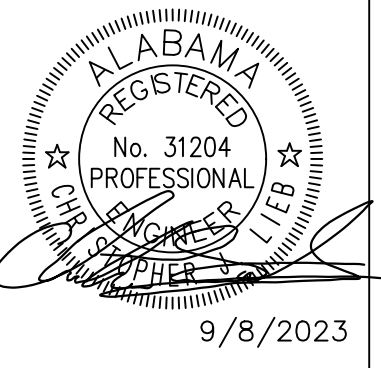


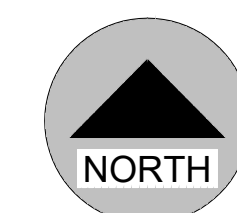
LIEB ENGINEERING COMPANY
1290 MAIN STREET, SUITE E
DAPHNE, AL 36526
PH: (251) 978-9779

NOT VALID WITHOUT THE DATED SIGNATURE AND SEAL OF AN ALABAMA LICENSED ENGINEER.
ALABAMA LICENSED ENGINEER: CHRISTOPHER JAY LIEB, P.E. LICENSE NUMBER 31204
ALABAMA CERTIFICATE OF AUTHORIZATION NUMBER: 4938

JOB NUMBER	DRAWN BY: JLG	DATE: 6/5/2022	SCALE: NO SCALE
2019-070	CHECKED BY: CJL	APPROVED BY: CJL	ENGR: CJL

MILL STREET IMPROVEMENTS	
CIVIL NOTES	
MOBILE, AL	
OWNER: CITY OF MOBILE	
SHEET NUMBER	C2.0
2 OF 6	A





NOTES:

1. SEE SHEET C2.0 FOR ALL GENERAL NOTES.
2. ALL DEMOLITION SHOWN ON THIS SHEET IS ADD ALTERNATE #1

STORM DRAIN NOTE:
FROM FIELD OBSERVATIONS THE STORM DRAIN SYSTEM APPEARS TO BE LAID OUT AS SHOWN ALTHOUGH NOT ALL JUNCTIONS COULD BE VERIFIED

ALT #1
122 L.F. OF 24" CURB & GUTTER AND (2) DRIVEWAYS (TO BE REMOVED)

ALT #1
118 L.F. OF 4' WIDE CONCRETE SIDEWALK (TO BE REMOVED)

OVERHEAD POWER ABOVE BOLLARDS, NOT SHOWN FOR CLARITY
ALT #1
(2) BOLLARDS (TO BE REMOVED)

ALT #1
(8) BOLLARDS (TO BE REMOVED)

12" RCP (TO BE REMOVED)

EXISTING LIGHT POLE (TO BE REPLACED W/ LED FIXTURE) (MODEL: TOPAZ PARKING LOT LIGHT, 74471. CONTRACTOR TO FIELD VERIFY IF ANY WIRING WILL NEED REPLACED)

EXISTING TREES (TO BE REMOVED)

SS1 SANITARY SEWER MANHOLE
RIM EL=15.57'
INV EL=13.21'(W)8"VCP
INV EL=13.33'(N)8"VCP
INV EL=13.17'(E)10"VCP

SS2 SANITARY SEWER MANHOLE
RIM EL=15.31'
INV EL=12.21'(W)10"VCP
INV EL=11.26'(NE)10"VCP

SS3 SANITARY SEWER MANHOLE
LID BOLTED SHUT

STORM MANHOLE
RIM EL=15.44'
INV EL=8.43'(W)36"RCP
INV EL=8.32'(E)36"RCP

STORM MANHOLE
RIM EL=15.19'
INV EL=9.69'(S)18"RCP
INV EL=9.03'(W)36"RCP
INV EL=9.10'(E)36"RCP

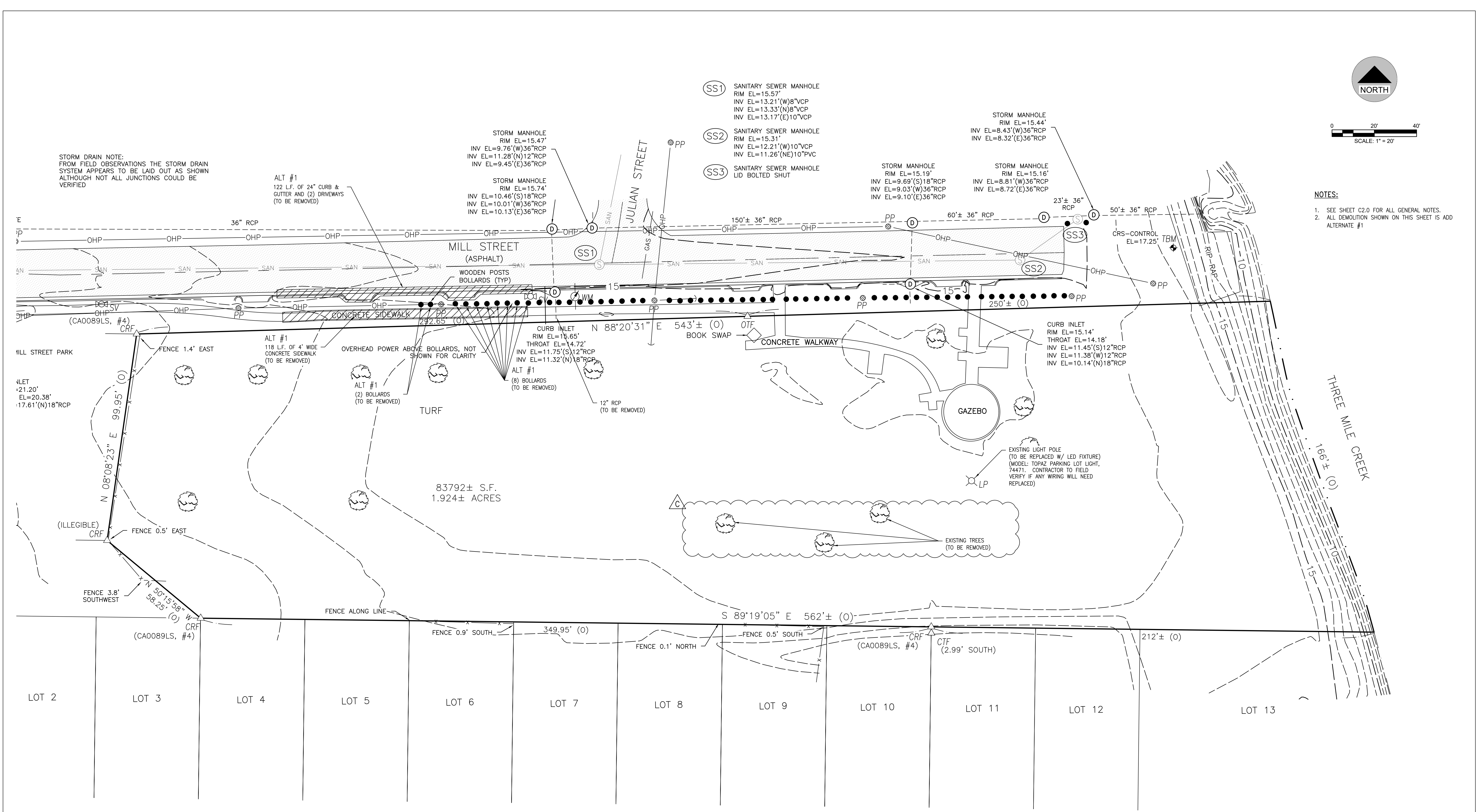
STORM MANHOLE
RIM EL=15.16'
INV EL=8.81'(W)36"RCP
INV EL=8.72'(E)36"RCP

STORM MANHOLE
RIM EL=15.47'
INV EL=9.76'(W)36"RCP
INV EL=11.28'(N)12"RCP
INV EL=9.45'(E)36"RCP

STORM MANHOLE
RIM EL=15.74'
INV EL=10.46'(S)18"RCP
INV EL=10.01'(W)36"RCP
INV EL=10.13'(E)36"RCP

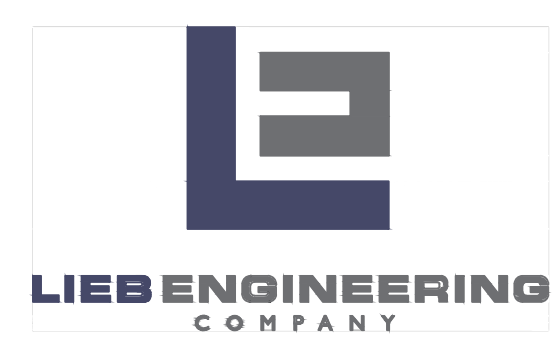
CURB INLET
RIM EL=15.65'
THROAT EL=4.72'
INV EL=11.75'(S)12"RCP
INV EL=11.32'(N)18"RCP

CURB INLET
RIM EL=15.14'
THROAT EL=14.18'
INV EL=11.45'(S)12"RCP
INV EL=11.38'(W)12"RCP
INV EL=10.14'(N)18"RCP



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REVISIONS			
A	ISSUED FOR BID	6/5/22	
B	ISSUED FOR BID	9/18/23	
C	ADDENDUM #1	10/11/23	



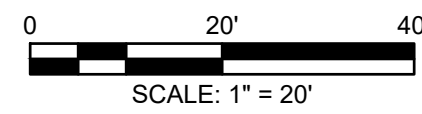
LIEB ENGINEERING COMPANY
1290 MAIN STREET, SUITE E
DAPHNE, AL 36526
PH: (251) 978-9779

NOT VALID WITHOUT THE DATED SIGNATURE AND SEAL OF AN ALABAMA LICENSED ENGINEER.
ALABAMA LICENSED ENGINEER: CHRISTOPHER JAY LIEB, P.E. LICENSE NUMBER 31204
ALABAMA CERTIFICATE OF AUTHORIZATION NUMBER: 4938

JOB NUMBER	DRAWN BY:	DATE:	SCALE:
2019-070	JLG	6/5/2022	1"=20'
CHECKED BY:	APPROVED BY:	ENGR:	
CJL	CJL	CJL	

MILL STREET IMPROVEMENTS	
EXISTING CONDITIONS & DEMOLITION PLAN	
MOBILE, AL	
OWNER: CITY OF MOBILE	
SHEET NUMBER	
3 OF 6	





NOTES:
 1. SEE SHEET C2.0 FOR ALL GENERAL NOTES.

SS1 SANITARY SEWER MANHOLE
 RIM EL=15.57'
 INV EL=13.21'(W)8"VCP
 INV EL=13.33'(N)8"VCP
 INV EL=13.17'(E)10"VCP

SS2 SANITARY SEWER MANHOLE
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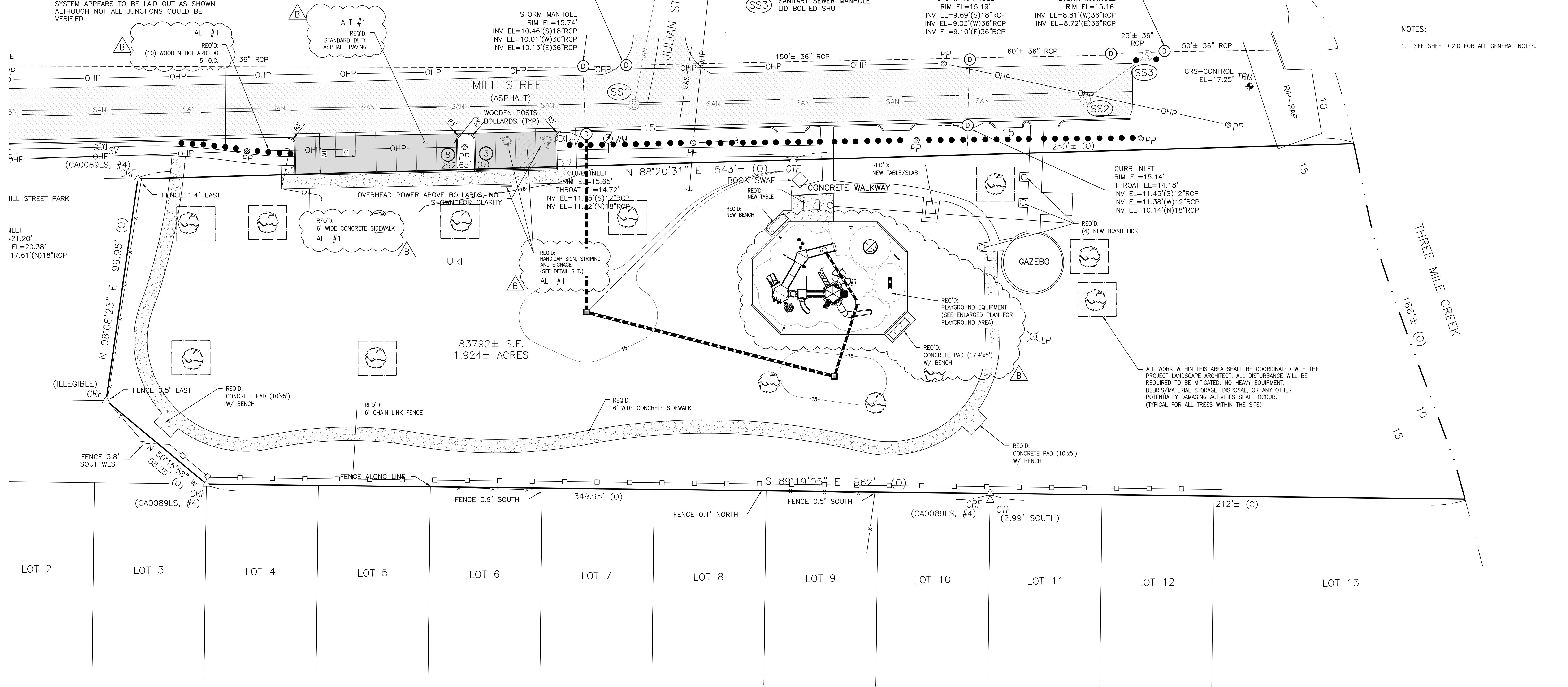
STORM MANHOLE
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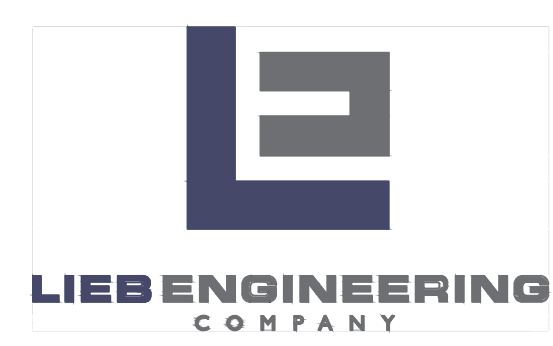
STORM DRAIN NOTE:
 FROM FIELD OBSERVATIONS THE STORM DRAIN
 SYSTEM APPEARS TO BE LAID OUT AS SHOWN
 ALTHOUGH NOT ALL JUNCTIONS COULD BE
 VERIFIED



ALL WORK WITHIN THIS AREA SHALL BE COORDINATED WITH THE
 PROJECT LANDSCAPE ARCHITECT. ALL DISTURBANCE WILL BE
 REQUIRED TO BE MITIGATED. NO HEAVY EQUIPMENT,
 DEBRIS/MATERIAL STORAGE, DISPOSAL, OR ANY OTHER
 POTENTIALLY DAMAGING ACTIVITIES SHALL OCCUR.
 (TYPICAL FOR ALL TREES WITHIN THE SITE)

**ISSUED
 FOR
 BID**

REVISIONS			
A	ISSUED FOR BID	6/5/22	
B	ISSUED FOR BID	9/18/23	

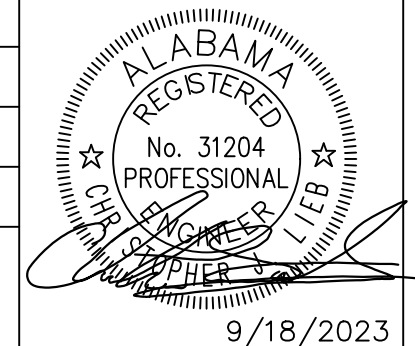


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 ALABAMA CERTIFICATE OF AUTHORIZATION NUMBER: 4938

JOB NUMBER: 2019-070
 DRAWN BY: JLG
 CHECKED BY: CJL
 DATE: 6/5/2022
 APPROVED BY: CJL
 SCALE: 1"=20'
 ENGR: CJL

MILL STREET IMPROVEMENTS	
SITE PLAN	
MOBILE, AL	
OWNER: CITY OF MOBILE	
SHEET NUMBER	C4.0 B
4 OF 6	
9/18/2023	



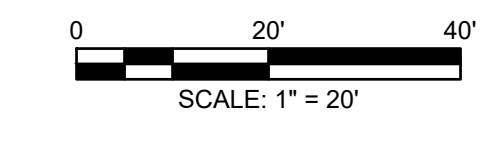
NOTES:

1. SEE SHEET C2.0 FOR CIVIL GENERAL NOTES.
2. SITE MUST RECEIVE DAILY AND RAIN EVENT QUALITY CONTROL INSPECTIONS.
3. ALL AREAS DISTURBED (INCLUDING UTILITY WORK) DURING PROJECT IMPLEMENTATION SHALL BE PERMANENTLY STABILIZED PRIOR TO FINAL INSPECTION; SEED AND MULCH WILL NOT BE ACCEPTED DURING FINAL INSPECTION.
4. DUST CONTROL SHALL BE IMPLEMENTED THROUGHOUT THE PROJECT BY LIGHTLY WETTING OR APPLYING THE APPROPRIATE CHEMICALS TO THE AREAS THAT BECOME EXTREMELY DRY AND SUSCEPTIBLE TO BEING WIND BLOWN.

STORM DRAIN NOTE:
FROM FIELD OBSERVATIONS THE STORM DRAIN SYSTEM APPEARS TO BE LAID OUT AS SHOWN ALTHOUGH NOT ALL JUNCTIONS COULD BE VERIFIED

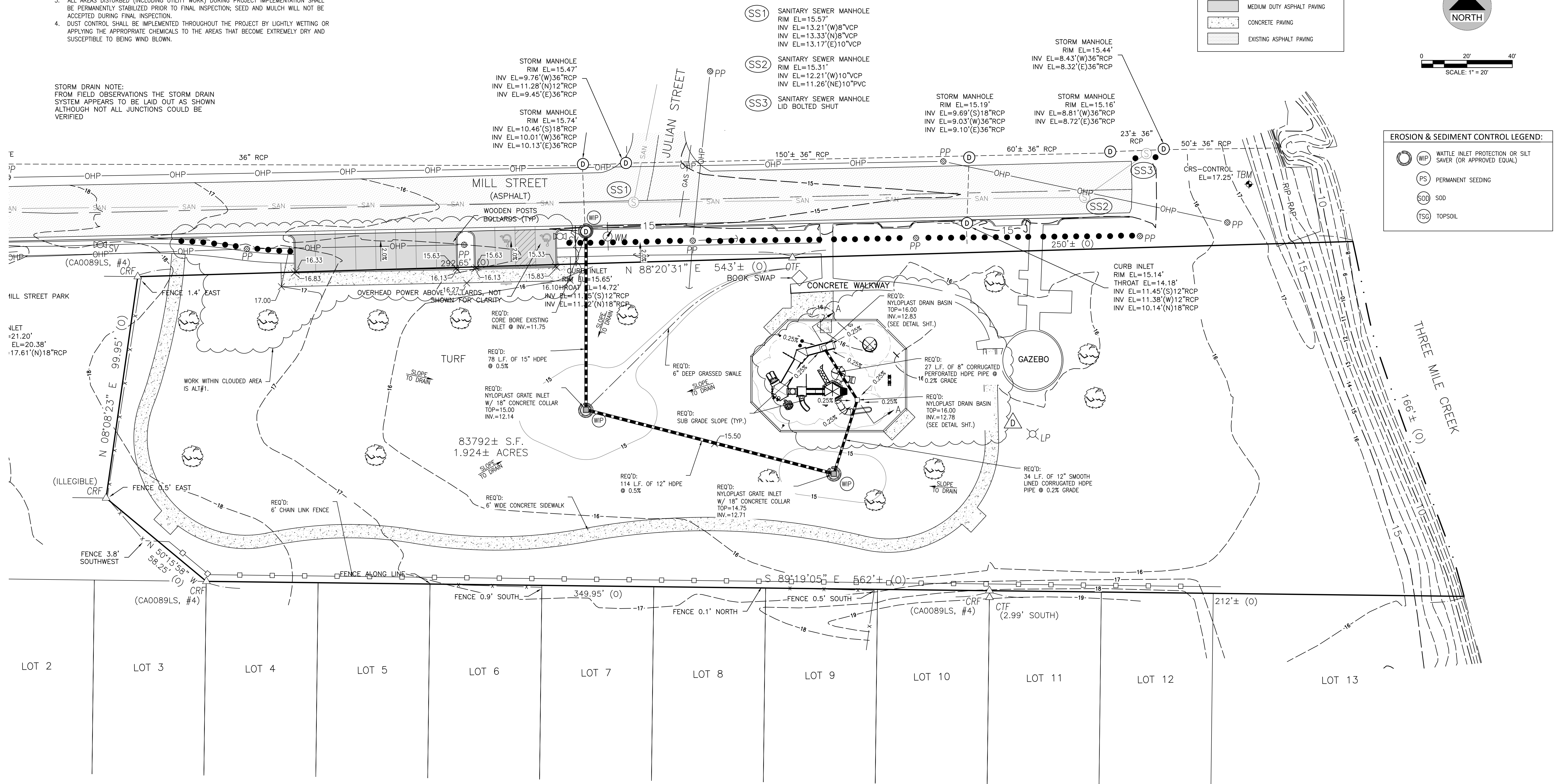
LEGEND

- MEDIUM DUTY ASPHALT PAVING
- CONCRETE PAVING
- EXISTING ASPHALT PAVING



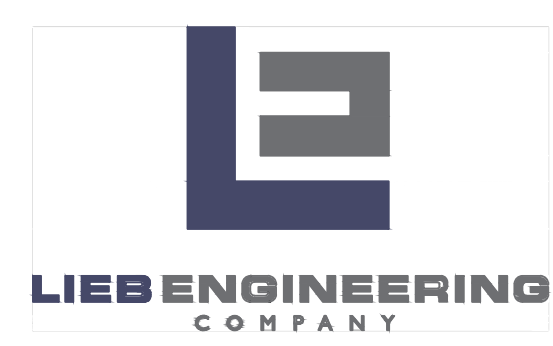
EROSION & SEDIMENT CONTROL LEGEND:

- WIP WATTLE INLET PROTECTION OR SILT SAVER (OR APPROVED EQUAL)
- PS PERMANENT SEEDING
- SOD SOD
- TSG TOPSOIL



ISSUED FOR BID

REVISIONS			
A	ISSUED FOR BID	6/5/22	
B	ISSUED FOR BID	9/18/23	
C	ADDENDUM #1	10/11/23	
D	ADDENDUM #2	10/16/23	



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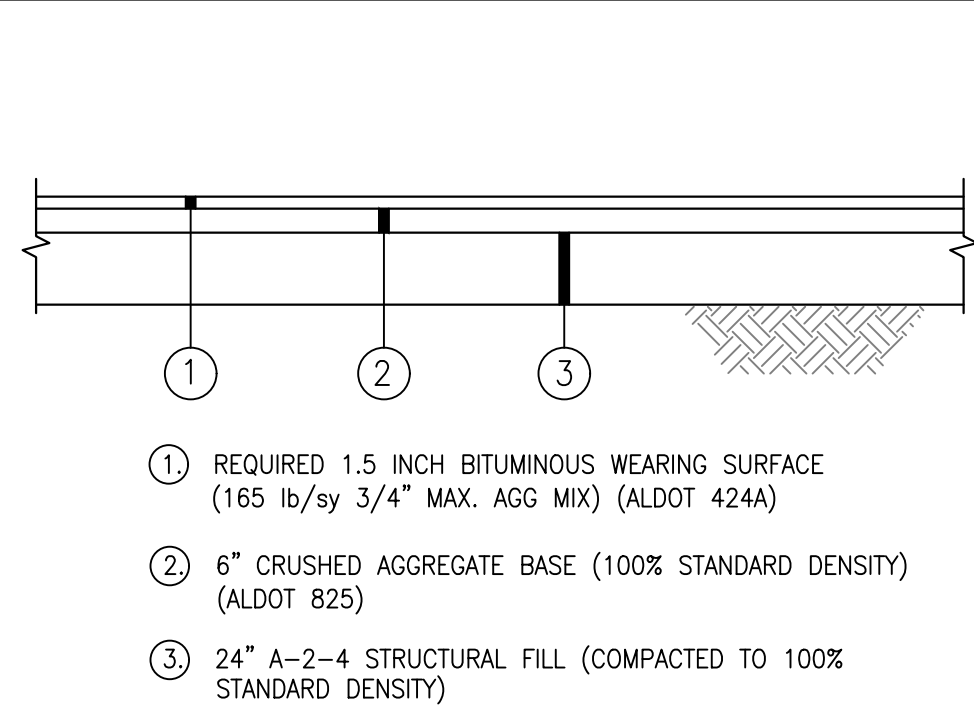
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2019-070	JLG	6/5/2022	1"=20'
	CHECKED BY:	APPROVED BY:	ENGR:
	CJL	CJL	CJL

MILL STREET IMPROVEMENTS	
GRADING, DRAINAGE EROSION CONTROL PLAN	
MOBILE, AL	
OWNER: CITY OF MOBILE	
SHEET NUMBER	
5 OF 6	

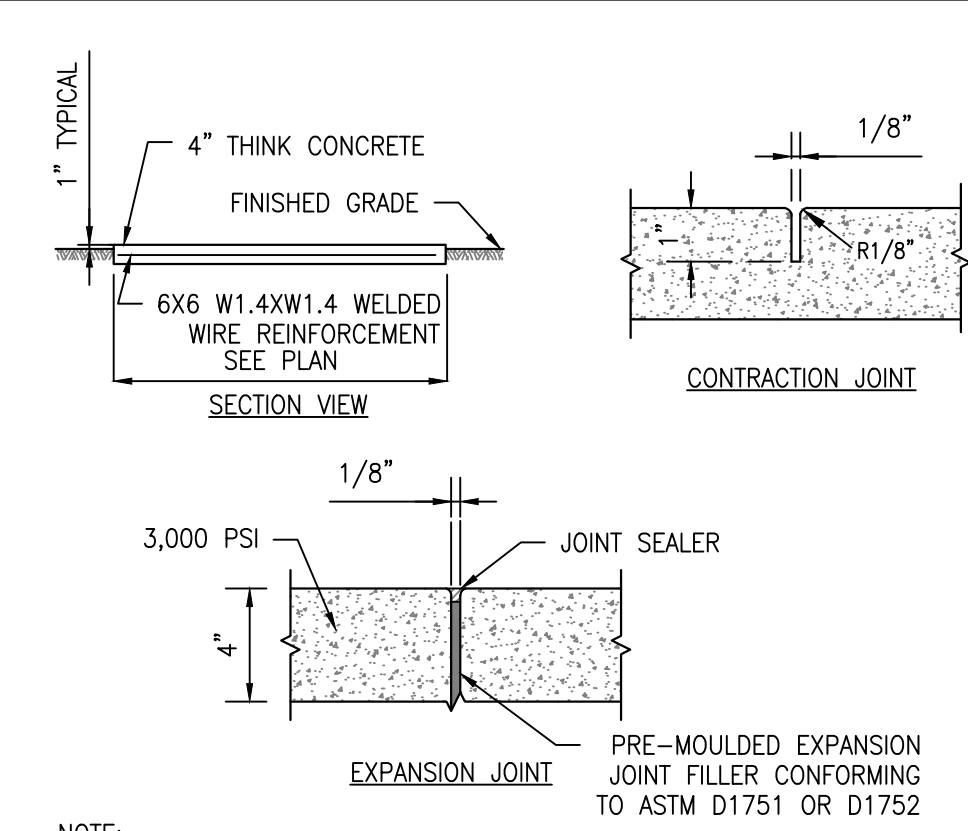


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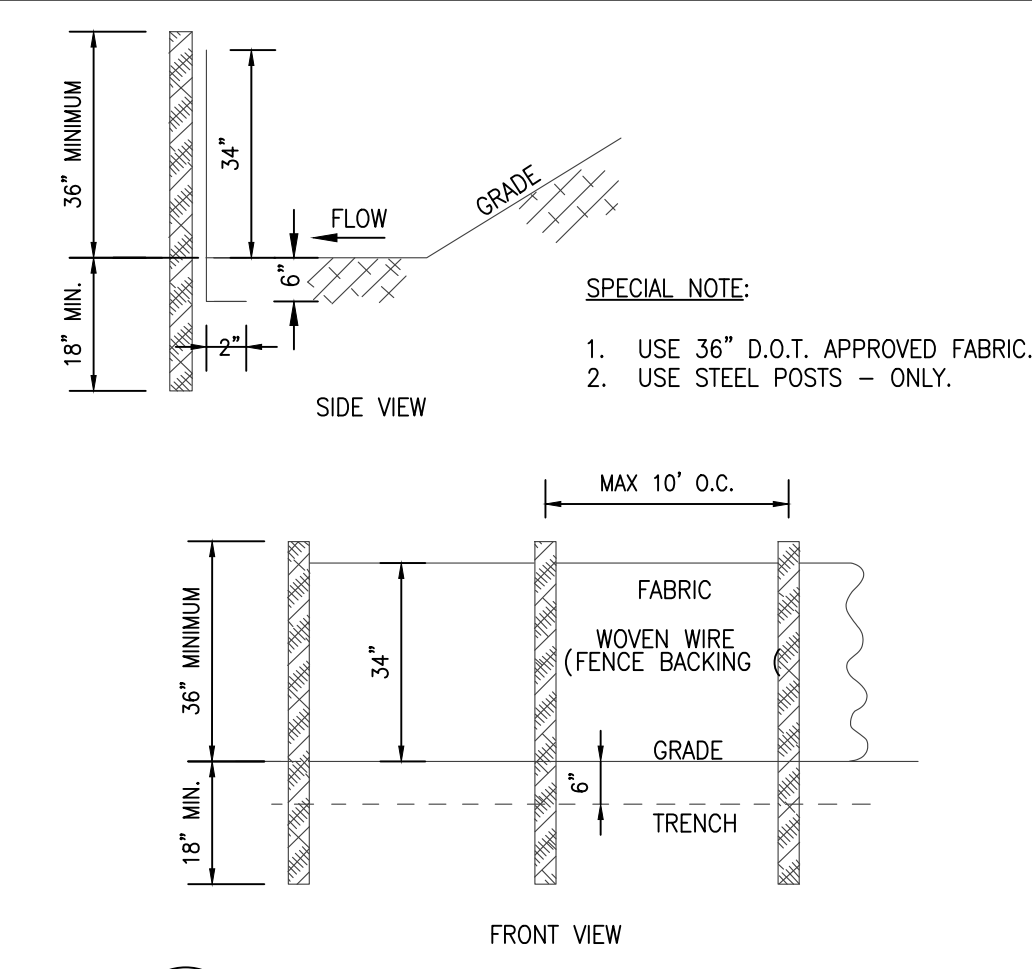
10/16/2023



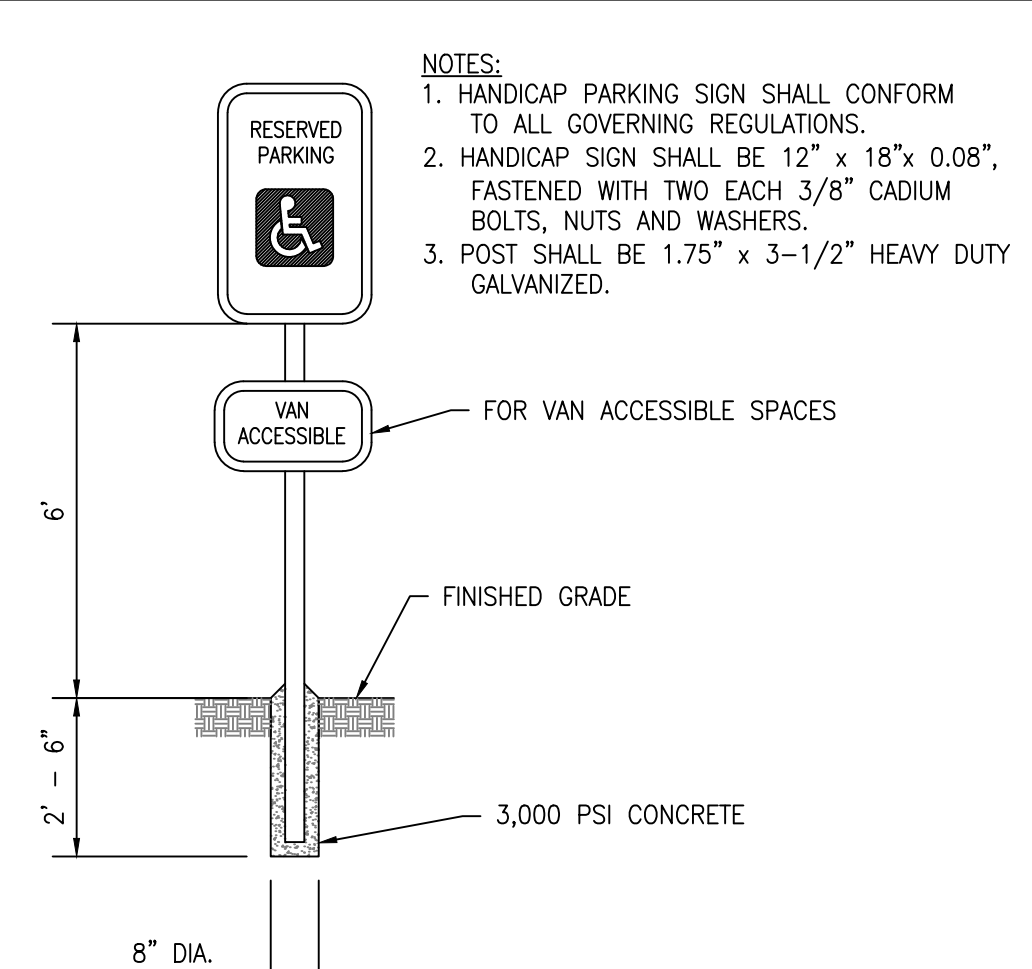
STANDARD DUTY ASPHALT PAVING
N.T.S.



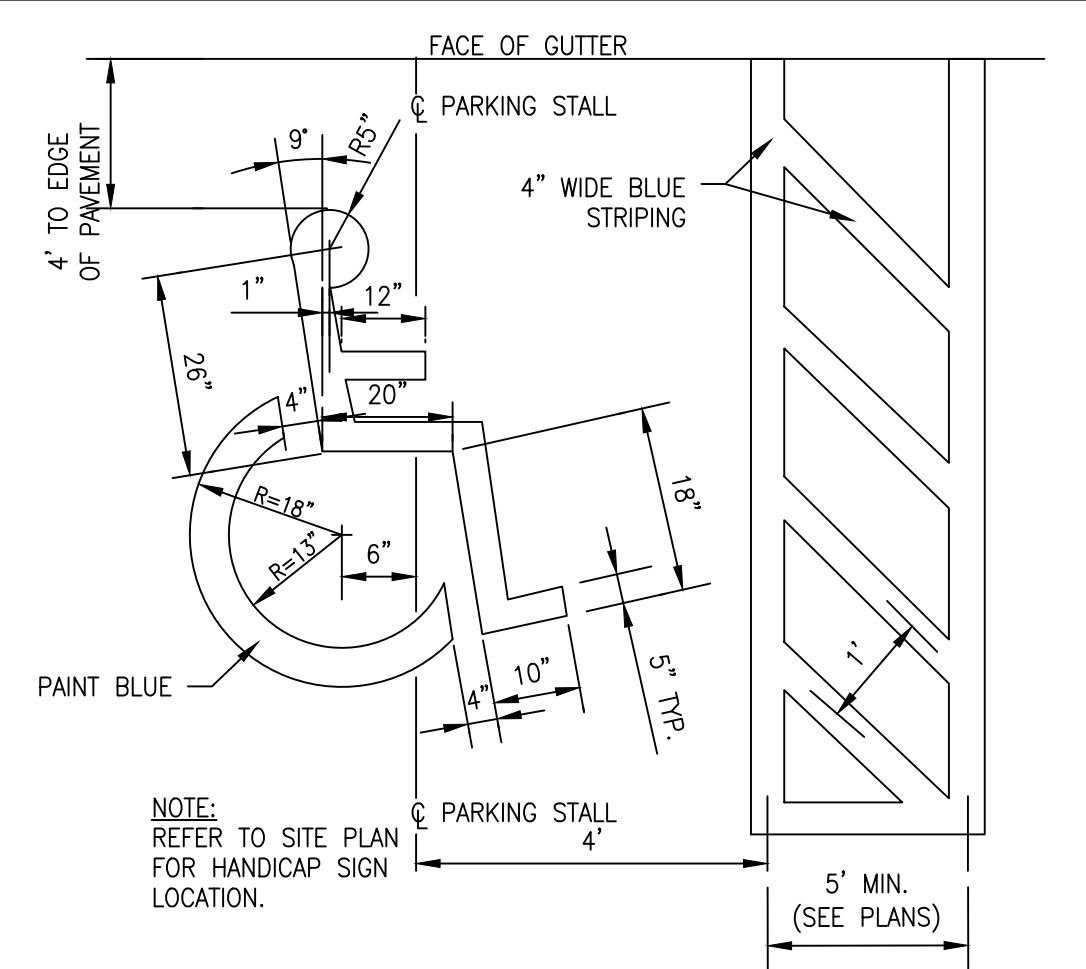
TYPICAL SIDEWALK DETAIL
N.T.S.



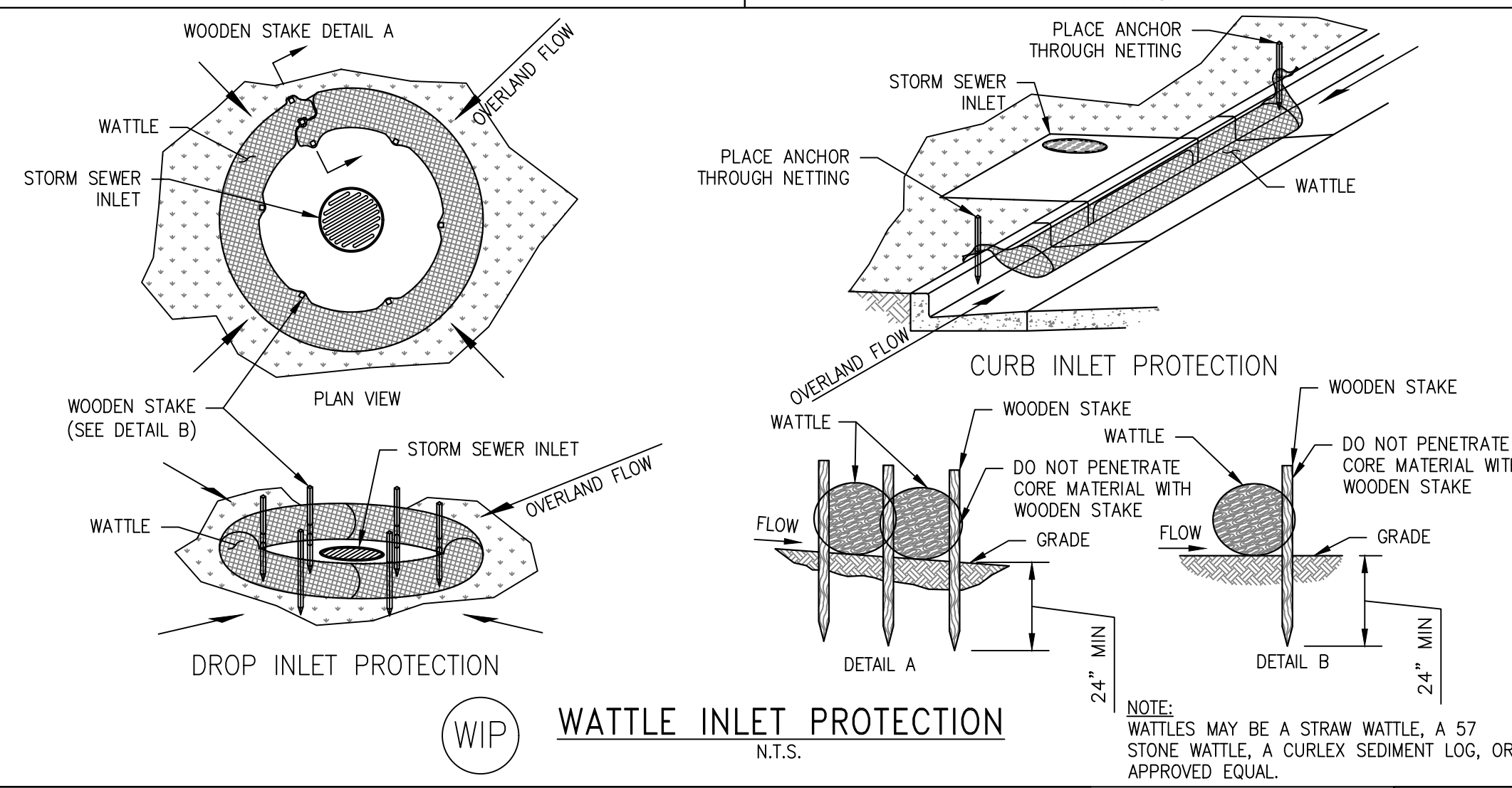
(SB) SILT FENCE - TYPE A
N.T.S.



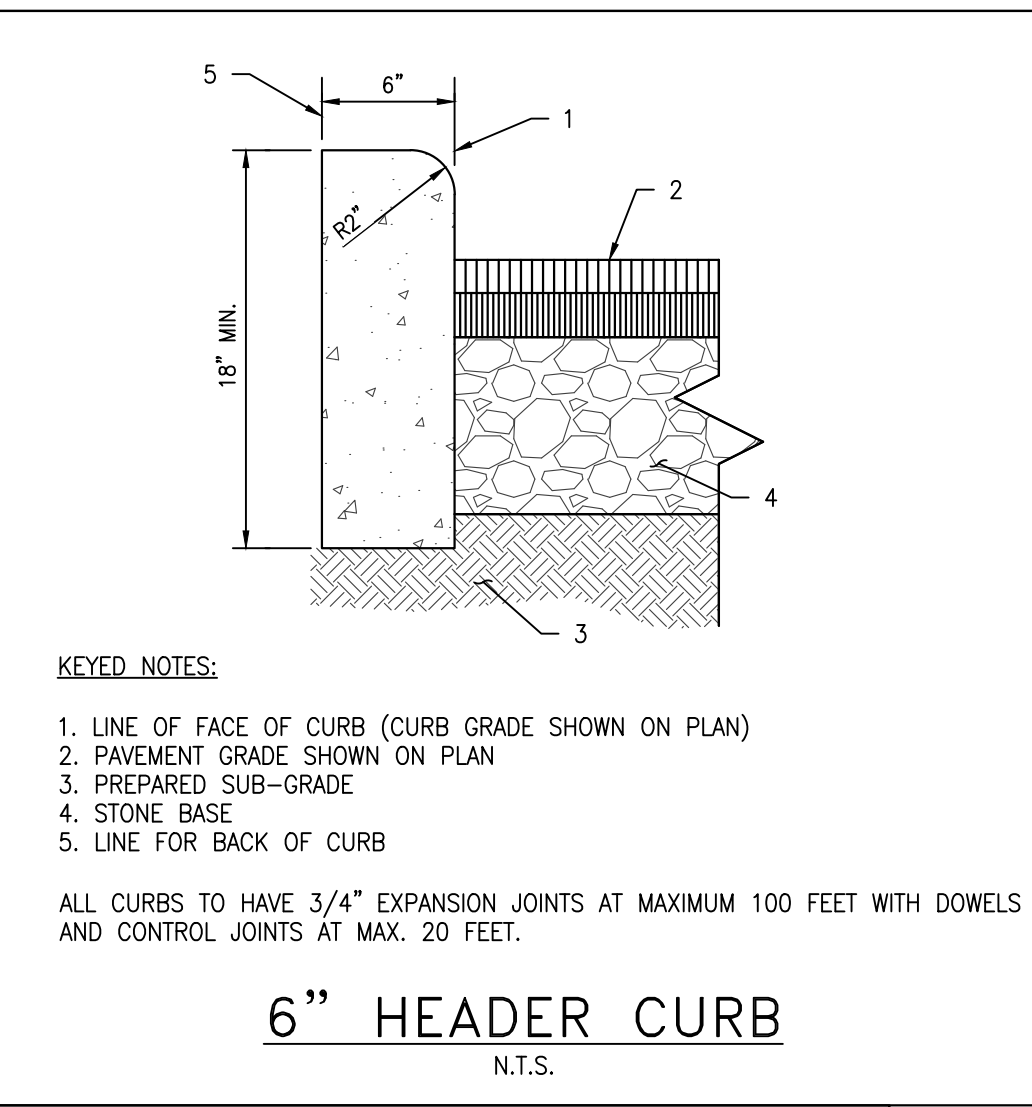
HANDICAP SIGN
N.T.S.



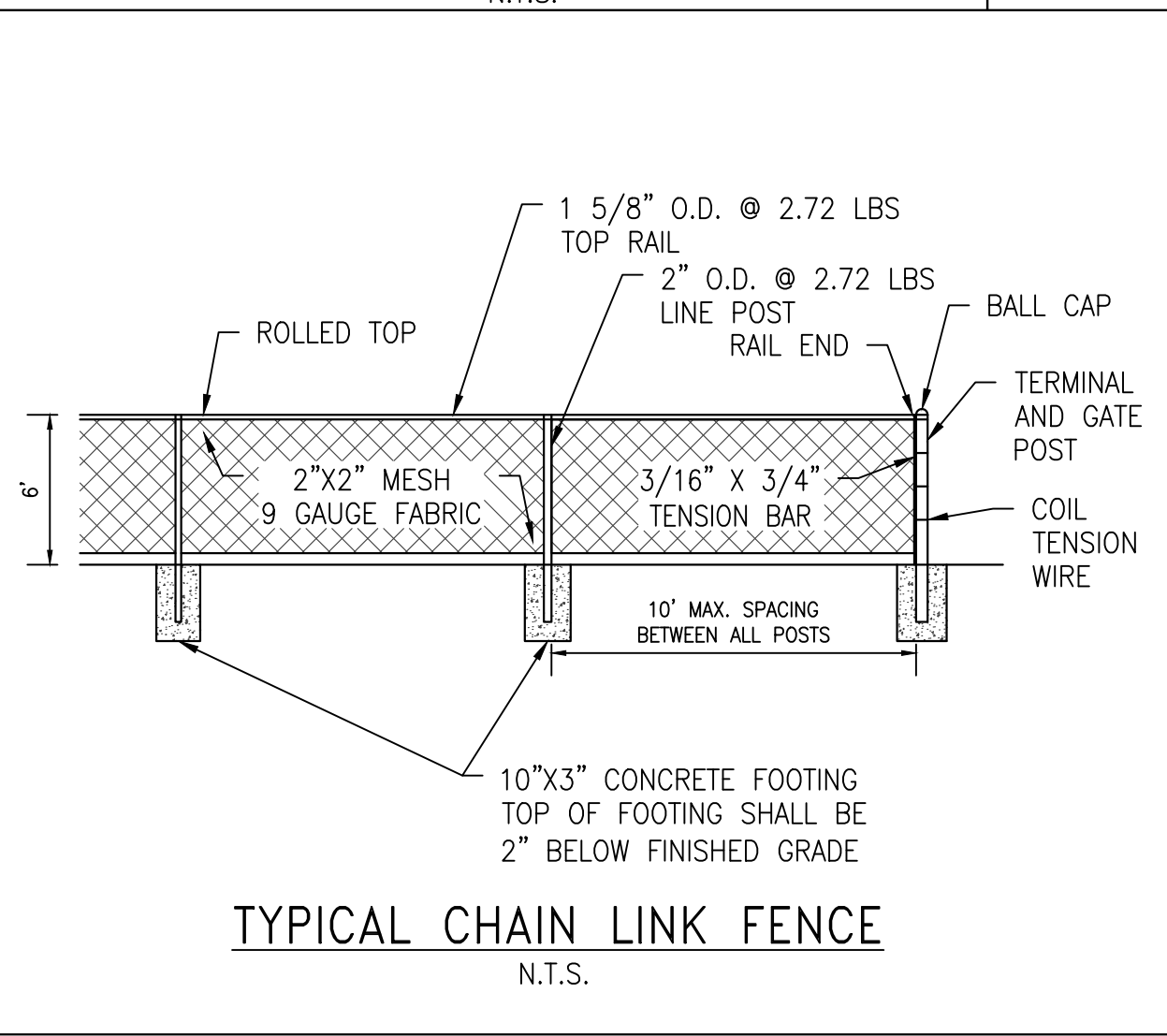
HANDICAP SYMBOL AND STRIPING
N.T.S.



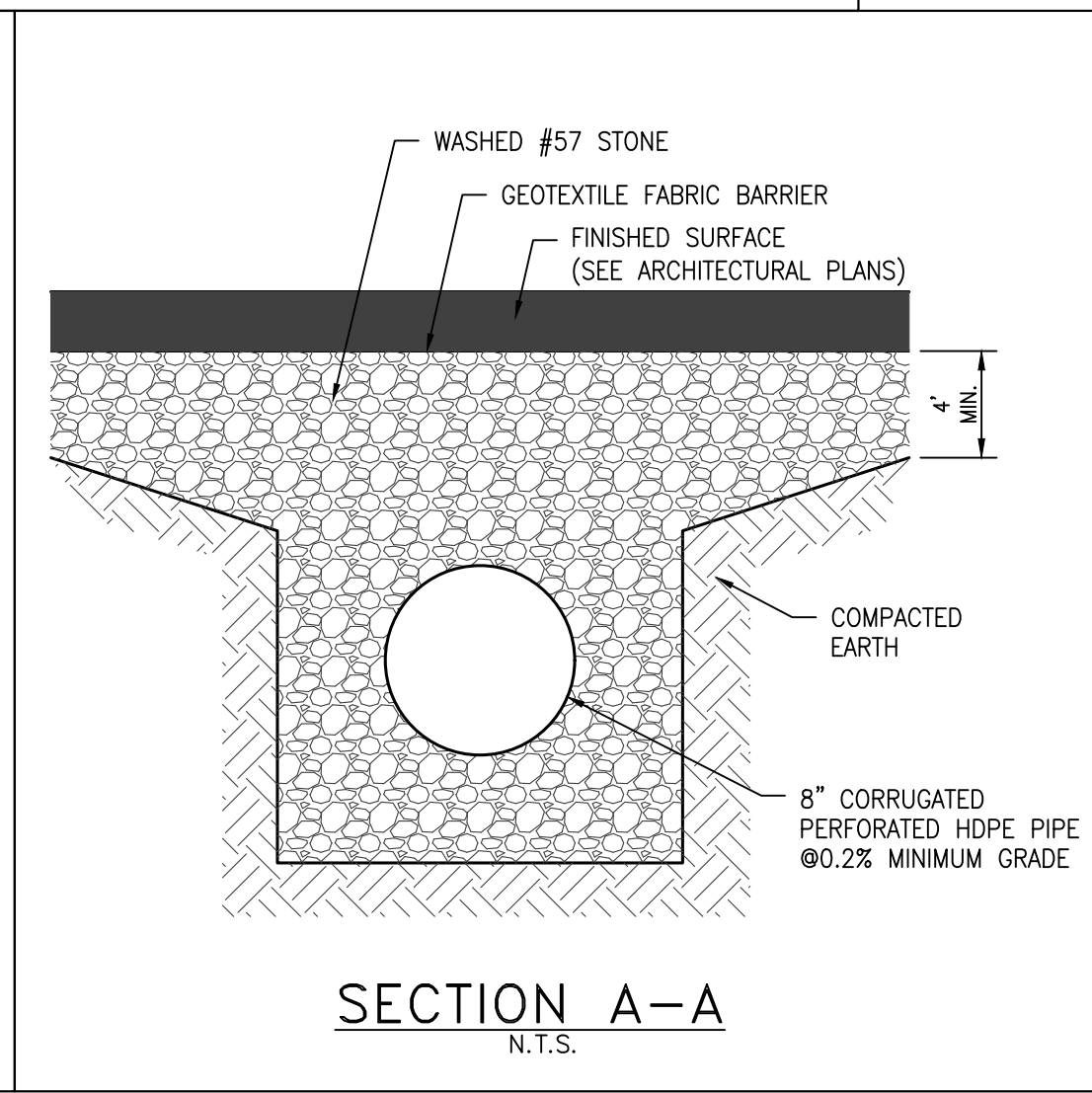
(WIP) WATTLE INLET PROTECTION
N.T.S.



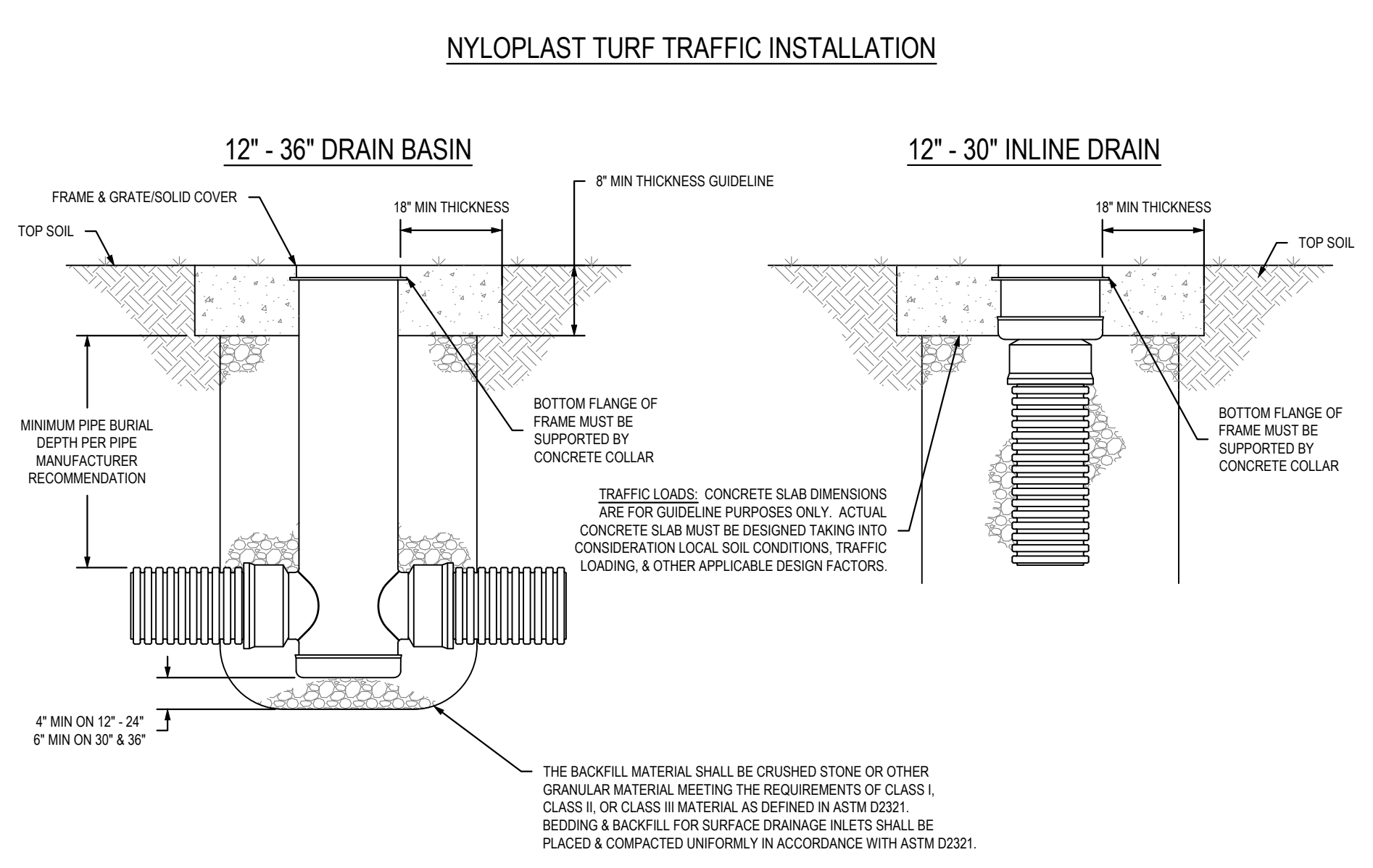
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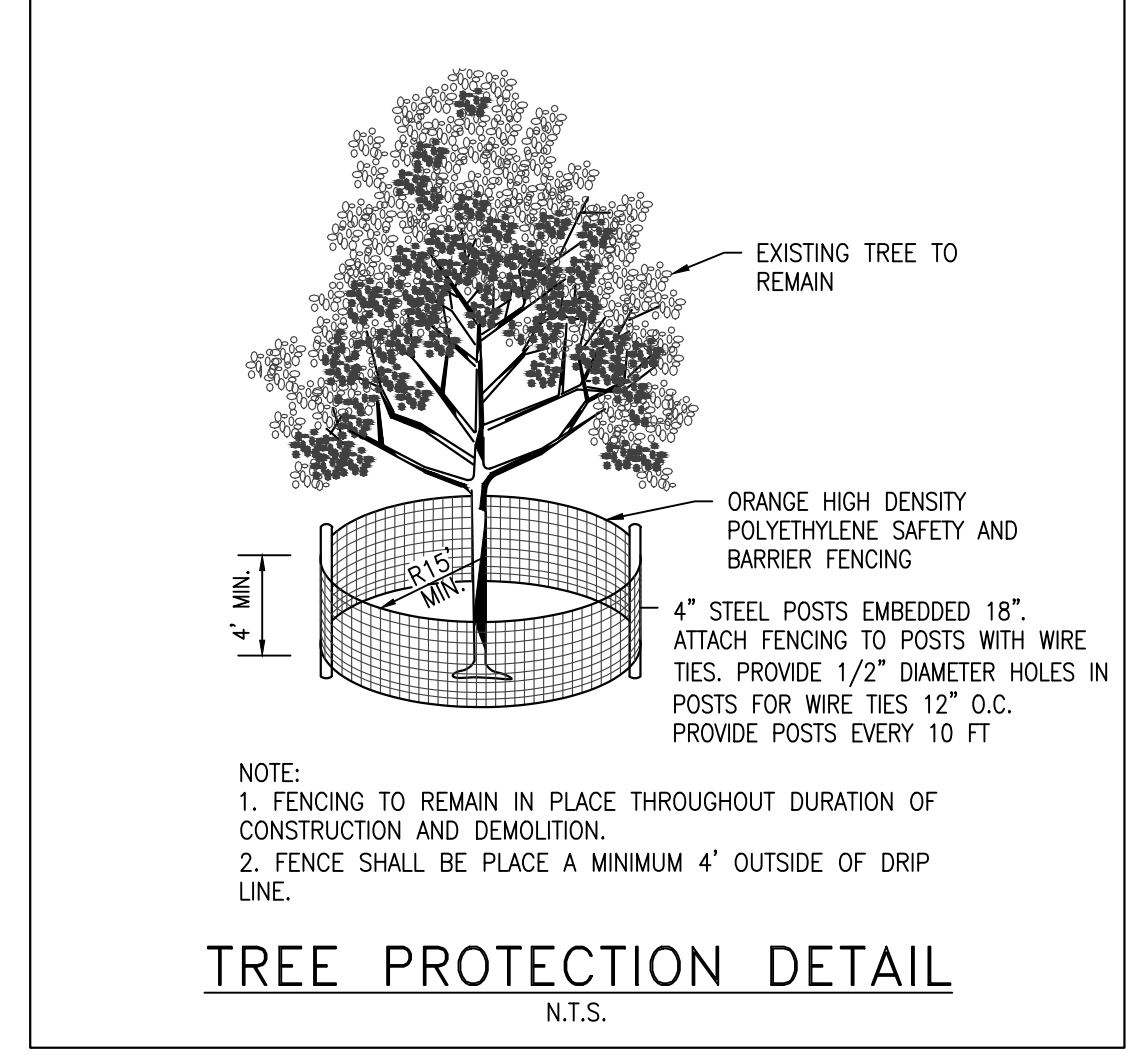
TYPICAL CHAIN LINK FENCE
N.T.S.



SECTION A-A
N.T.S.



NYLOPLAST TURF TRAFFIC INSTALLATION



TREE PROTECTION DETAIL
N.T.S.

1. GRATESOLID COVERS SHALL MEET H-20 LOAD RATING FOR 30' PEDESTRIAN & 12' - 30' STANDARD & SOLID	THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN.	DRAWN BY: EBC	MATERIAL:	3130 VERONA AVE BIRMINGHAM, AL 35218 PH: (770) 932-2443 FAX: (770) 932-2480 WWW.NYLOPLAST.COM
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		REVISED BY: NMI	DATE: 06-12-18	DWG NO.: 701-110-340
		DWG SIZE: A	SCALE: 1:25	SHEET: 1 OF 1

ISSUED FOR BID

REVISIONS		
A	ISSUED FOR BID	6/5/22

LIEB ENGINEERING COMPANY
1290 MAIN STREET, SUITE E
DAPHNE, AL 36526
PH: (251) 978-9779

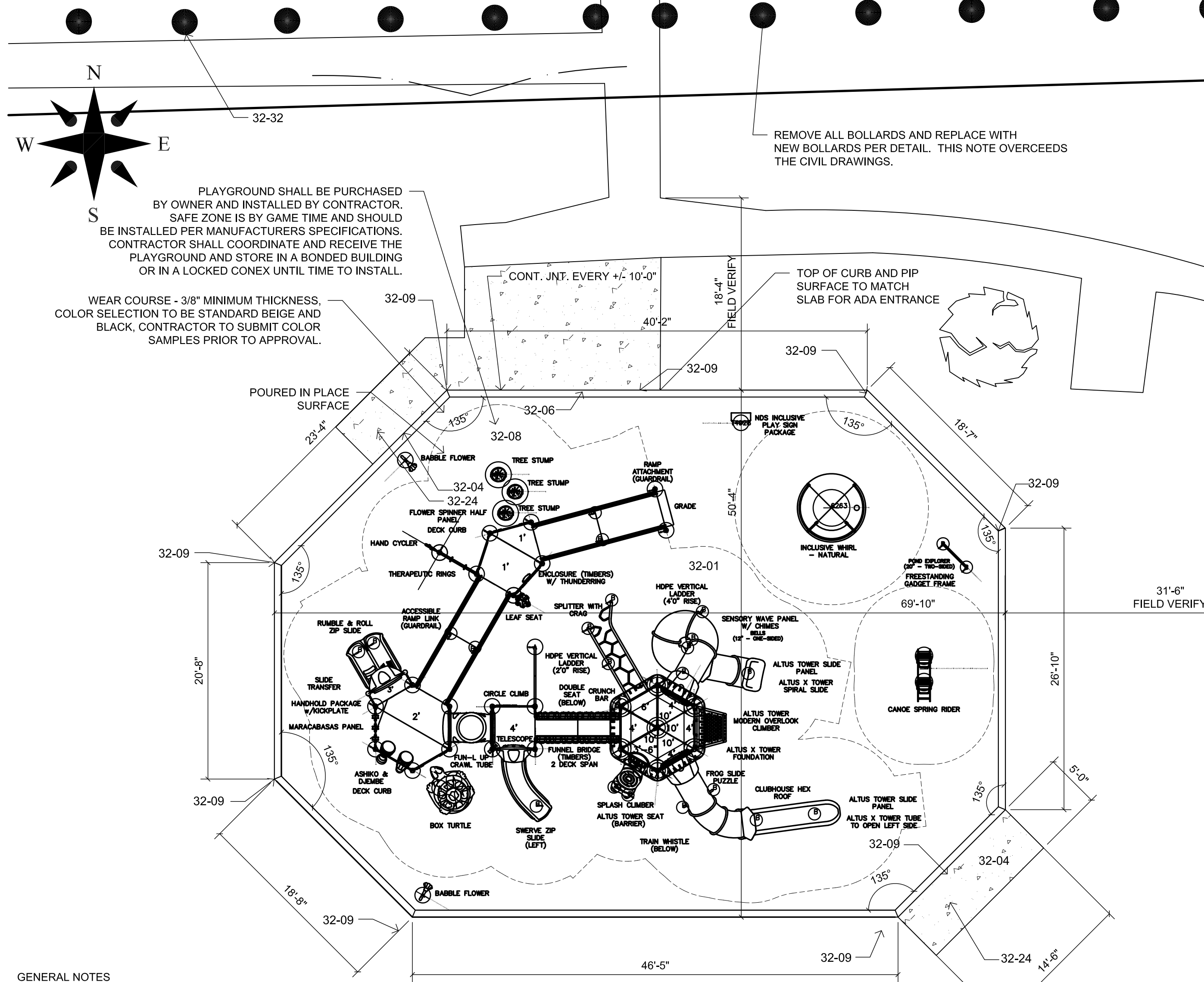
NOT VALID WITHOUT THE DATED SIGNATURE AND SEAL OF AN ALABAMA LICENSED ENGINEER.
ALABAMA LICENSED ENGINEER: CHRISTOPHER JAY LIEB, P.E. LICENSE NUMBER 31204
ALABAMA CERTIFICATE OF AUTHORIZATION NUMBER: 4938

JOB NUMBER	DRAWN BY: JLG	DATE: 6/5/2022	SCALE: NO SCALE
2019-070	CHECKED BY: CJL	APPROVED BY: CJL	ENGR: CJL

MILL STREET IMPROVEMENTS	
CIVIL DETAILS	
MOBILE, AL	
OWNER: CITY OF MOBILE	
SHEET NUMBER	6 OF 6

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9/8/2023



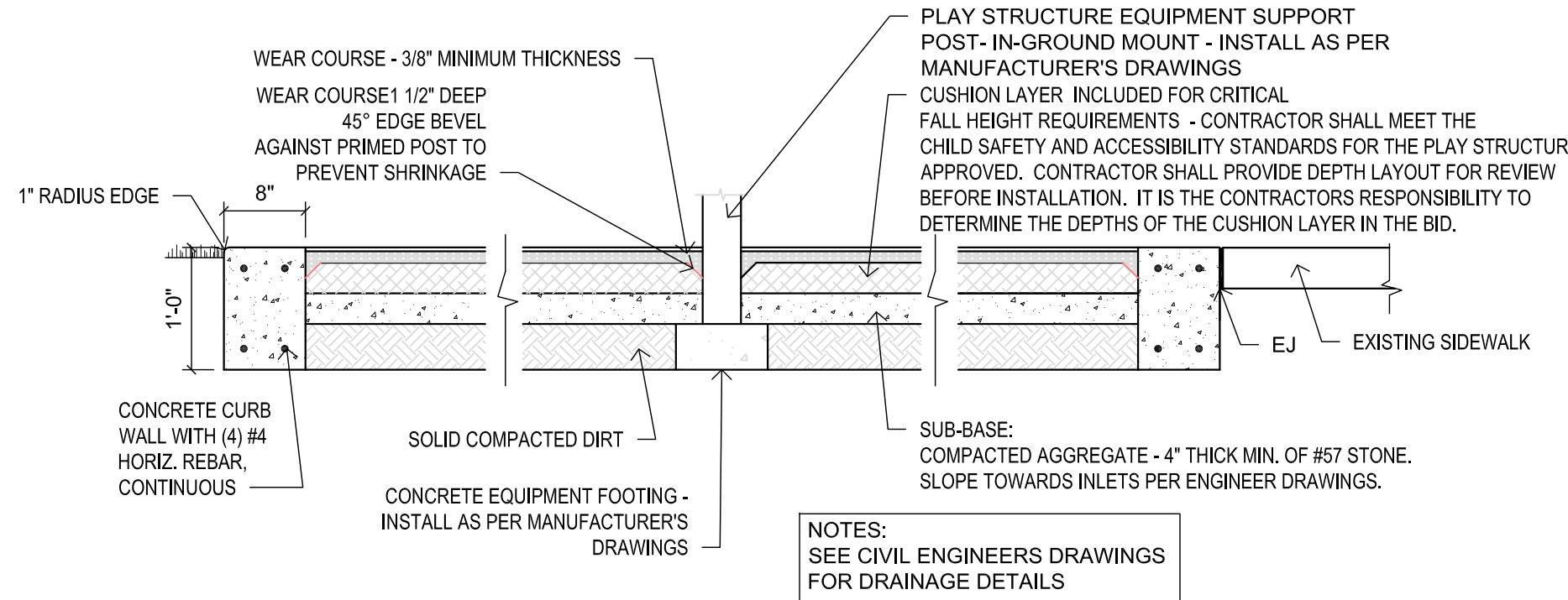
- GENERAL NOTES**
- TOPOGRAPHICAL INFORMATION BASED UPON SURVEY PERFORMED BY LIEB ENGINEERING.
 - REFER TO EXISTING CONDITIONS FOR SURVEY LEGEND. ALL BIDDERS ARE REQUIRED TO INSPECT THE PROJECT SITE IN ITS ENTIRETY PRIOR TO SUBMITTING THE BID, AND BECOME FAMILIAR WITH ALL CONDITIONS AS THEY MAY AFFECT THEIR BID. CONTRACTOR SHALL BE FAMILIAR WITH ALL DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING THE CONSTRUCTION.
 - LOCATIONS OF ANY UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF SUCH UTILITIES, PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES.
 - WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, EXISTING CONDITIONS TO REMAIN, TEMPORARY CONSTRUCTION, PERMANENT CONSTRUCTION AND WORK OF ADJACENT CONTRACTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING. ITEMS ENCOUNTERED IN AREAS OF EXCAVATION THAT ARE NOT INDICATED ON THE DRAWINGS, BUT ARE VISIBLE ON SURFACE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
 - ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE GENERAL CONTRACTOR ON "AS-BUILT" DRAWINGS.
 - ALL AREAS DISTURBED BY THE CONTRACTOR TO THE PROJECT LIMITS, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
 - THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT HIS EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERINGS, OR FENCES AS NEEDED.
 - EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. NO STOCKPILING OF MATERIAL, EQUIPMENT OR VEHICULAR TRAFFIC SHALL BE ALLOWED WITHIN THE DRIP LINE OF TREES TO REMAIN. NO GUYS SHALL BE ATTACHED TO ANY TREE TO REMAIN. WHEN NECESSARY OR AS DIRECTED BY THE OWNER, THE CONTRACTOR SHALL ERECT TEMPORARY BARRIERS FOR THE PROTECTION OF EXISTING TREES DURING CONSTRUCTION AS NEEDED.
 - TREES AND SHRUBS WITHIN THE LIMITS OF WORK SHALL BE REMOVED ONLY UPON THE APPROVAL OF THE OWNER OR AS NOTED ON THE PLANS.
 - NO FILLING SHALL OCCUR AROUND EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER.
 - THE CONTRACTOR SHALL REMOVE ALL SURFACE VEGETATION PRIOR TO GRADING THE SITE. STUMPS SHALL BE REMOVED BY THE CONTRACTOR. TEMPORARY EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS (INCLUDING SILT FENCE, COMPOST FILTER TUBES, OR SILT SOCKS) SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE PROJECT WHICH COST SHALL BE INCIDENTAL TO THE PROJECT.
 - ALL UNSUITABLE UNCONTAMINATED EXCESS SOIL FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - NO FILL SHALL CONTAIN HAZARDOUS MATERIALS.
 - CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AROUND PERIMETER OF WORK AREA (LIMIT OF WORK). FENCE SHALL NOT IMPED EASEL TRAVEL WAYS.
 - ANY QUANTITIES SHOWN ON PLANS ARE FOR COMPARATIVE BIDDING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO SUBMITTING BID.
 - ALL EXISTING DRAINAGE FACILITIES TO REMAIN SHALL BE MAINTAINED FREE OF DEBRIS, SOIL, SEDIMENT, AND FOREIGN MATERIAL AND OPERATIONAL THROUGHOUT THE LIFE OF THE CONTRACT. REMOVE ALL SOIL, SEDIMENT, DEBRIS AND FOREIGN MATERIAL FROM ALL DRAINAGE STRUCTURES, INCLUDING BUT NOT LIMITED TO, DRAINAGE INLETS, MANHOLES AND CATCH BASINS WITHIN THE LIMIT OF WORK AND DRAINAGE STRUCTURES OUTSIDE THE LIMIT OF WORK THAT ARE IMPACTED BY THE WORK FOR THE ENTIRE DURATION OF CONSTRUCTION.
 - CONTRACTOR'S STAGING AREA MUST BE WITHIN THE CONTRACT LIMIT LINE AND IN AREAS APPROVED BY OWNER. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.
 - THE CONTRACTOR SHALL KEEP ALL STREETS, PARKING LOTS AND WALKS THAT ARE NOT RESTRICTED FROM PUBLIC USE DURING CONSTRUCTION BROOM CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE ACCEPTABLE METHODS AND MATERIALS TO MAINTAIN ADEQUATE DUST CONTROL THROUGHOUT CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER.
 - THE LIMIT OF WORK SHALL BE DELINEATED IN THE FIELD PRIOR TO THE START OF SITE CLEARING OR CONSTRUCTION.

1 SITE PLAN - 3,152 SQ. FT PIP
LS100 1" = 30'

REFERENCE NOTES SCHEDULE

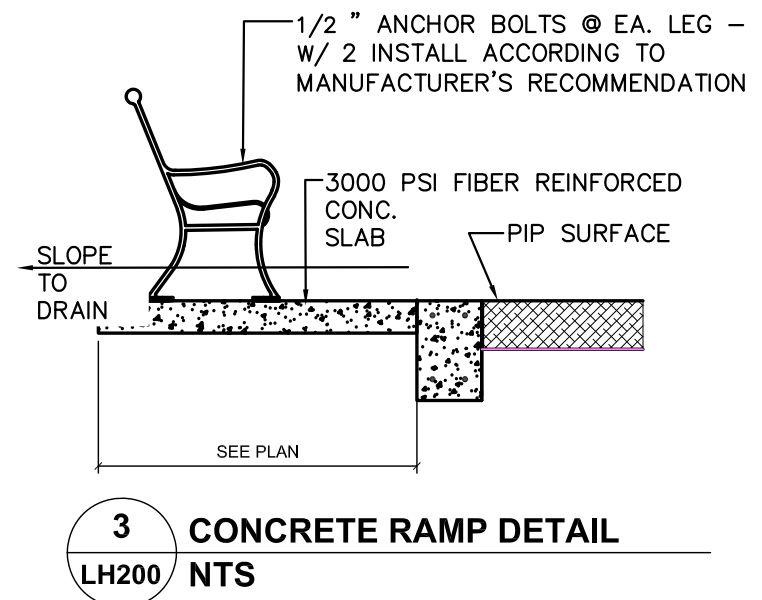
SYMBOL	DESCRIPTION	QTY	CONTRACT
32-01	SEE SPECIFICATIONS FOR PLAYGROUND SUPPLIER (REQUIRED TO BE INSTALLED BY AN AUTHORIZED INSTALLER).	1	BASE BID
32-04	6" PARK BENCH WITH BACK; MODEL NO. 91C-S6 BENCH BY ULTRA SITE OR EQUAL; GREEN IN COLOR-SURFACE MOUNT - RE: 3/LH100 AND INSTALLED BY CONTRACTOR	2	BASE BID
32-06	CONCRETE RIBBON CURB (TYP.); RE: 4/LH100	215 lf	BASE BID
32-07	CONCRETE RAMP; RE: 2/LH100	30 sf	BASE BID
32-08	POURED-IN-PLACE SURFACING; CONTRACTOR TO PROVIDE COLOR CHART FROM STANDARD COLORS AVAILABLE; RE: 4/LH100	3,150 sf	BASE BID
32-09	EXPANSION JOINT (TYP.); RE: 9/LH100	0	
32-22	WOOD BOLLARD (TYP.); RE: 5/LH100	34	BASE BID
32-24	CONCRETE PAD FOR BENCH	385 sf	BASE BID

QUANTITY TAKEOFF DISCLAIMER:
QUANTITIES NOTED ON PLANS ARE OFFERED AS A CONVENIENCE TO THE CONTRACTOR FOR BID PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.



4 DETAIL - SAFETY SURFACE POST EDGE TO FLUSH MOUNT CONCRETE CURB
LH200 SCALE: 3/4" = 1'-0"

- NOTES:**
- 3,095 TOTAL SQ. FT. OF POURED IN PLACE RUBBER SAFETY SURFACING PROVIDED AND INSTALLED. COLOR IS 50/50 BLACK/STANDARD 3.75" THICKNESS FOR 8' CFH (2,710 SQ. FT.); 4.75" THICKNESS FOR 10' CFH (385 SQ. FT.).
 - REFER TO MANUFACTURER'S SPECIFICATIONS FOR P.I.P. INSTALLATION REQUIREMENTS.
 - P.I.P. SAFETY SURFACE MUST BE INSTALLED BY AN IPMA CERTIFIED CONTRACTOR.
 - THE P.I.P. SAFETY SURFACE WILL BE A STANDARD COLORS, (BLUE AND BEIGE - WEAR COURSE). SUBMIT COLOR SAMPLES FOR APPROVAL.
 - REFER TO MANUFACTURER'S SPECIFICATIONS FOR P.I.P. MEET ADA REQUIREMENTS.
 - REFER TO MANUFACTURER'S SPECIFICATIONS FOR CONCRETE FOOTING REQUIREMENTS AND LOCATIONS.

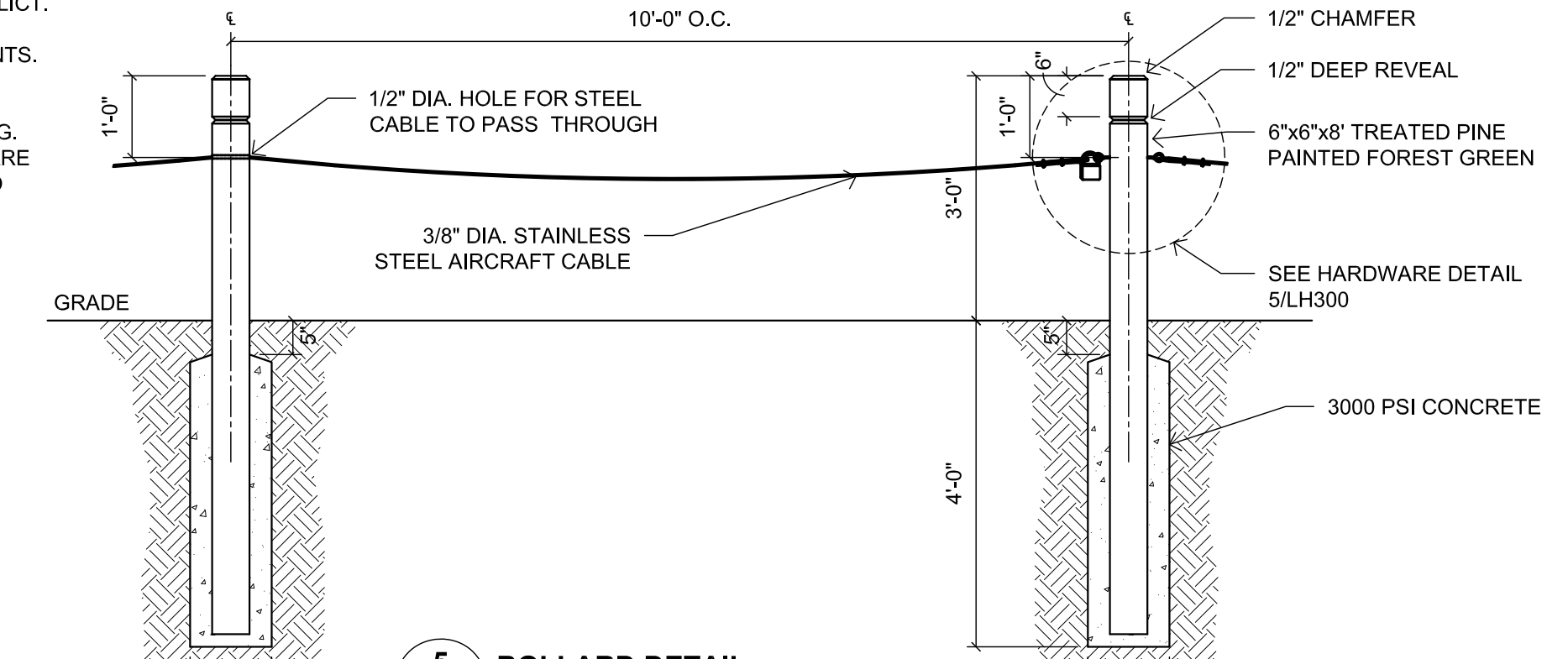


3 CONCRETE RAMP DETAIL
LH200 NTS

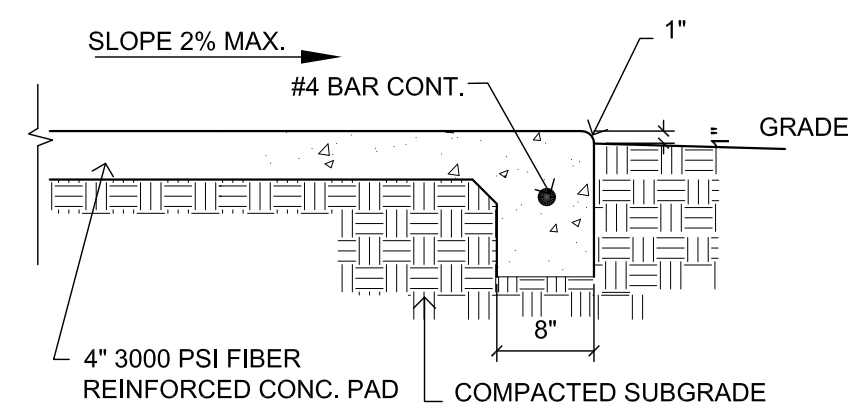
DEMOLITION & SITE PREPARATION NOTES

- THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION, DEMOLITION AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
- THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
- UNLESS SPECIFICALLY NOTED TO BE SAVED / STOCKPILED (R&S) OR REUSED / RELOCATED (R&R), ALL SITE FEATURES CALLED FOR REMOVAL (REM) SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC., TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO COST TO THE OWNER.
- ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN, OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
- ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
- CLEAR AND GRUB VEGETATION SHALL INCLUDE REMOVAL OF GRASS, SHRUBS, AND UNDERBRUSH, REMOVAL OF ROOTS, ROUGH GRADING, INSTALLATION OF LOAM (IF APPLICABLE), FINE GRADING, SEEDING AND TURF ESTABLISHMENT BY THE CONTRACTOR.
- TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- STRIP & STORE EXISTING TOPSOIL FOR LATER REUSE WHERE APPROPRIATE, AND AS NOTED ON PLAN, WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.
- LOAM / TOP SOIL DESIGNATED FOR REUSE AS GENERAL FILL SHALL BE BLENDED WITH SUITABLE BORROW MATERIAL AS SPECIFIED.
- THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN. CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS

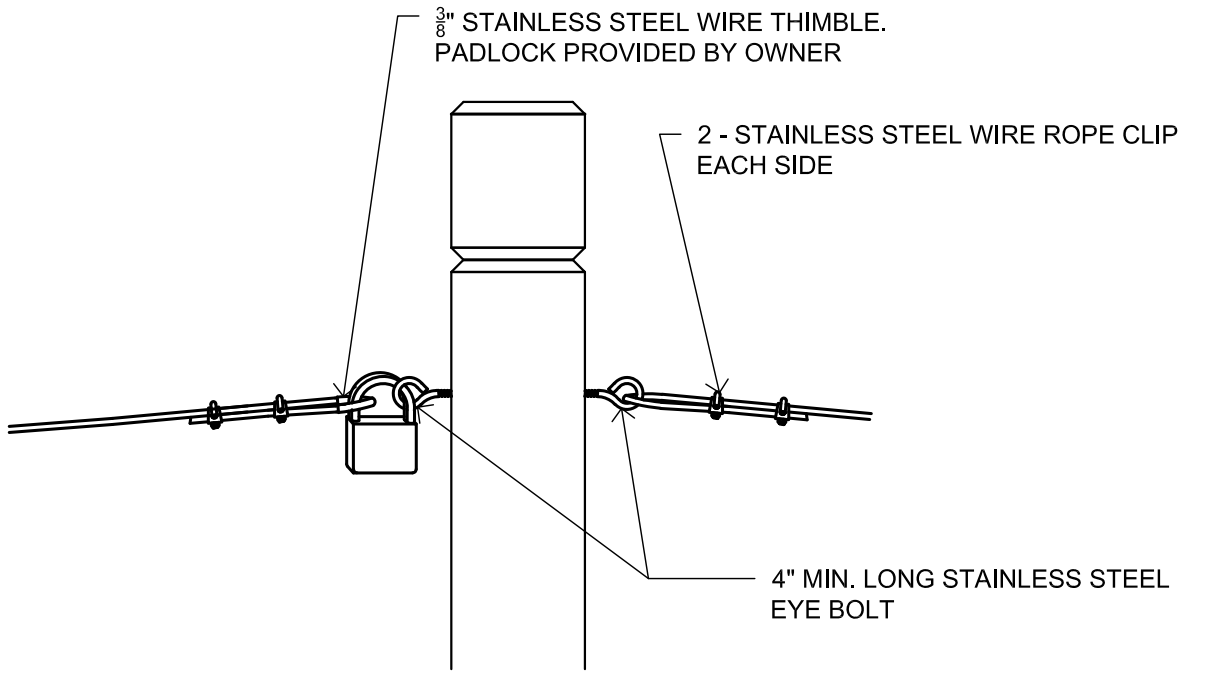
PLAY GROUND AND WALKING TRAIL LOCATIONS SHALL BE VERIFIED BY OWNER BEFORE INSTALLED. INCLUDE EXCAVATION, FILL, COMPACTION, GRADING, DISPOSAL FORMWORK, REINFORCEMENT, PLACEMENT, CURING, SEALANT AND ALL OTHER NECESSARY CONSTRUCTION COMPONENTS FOR INSTALLATION



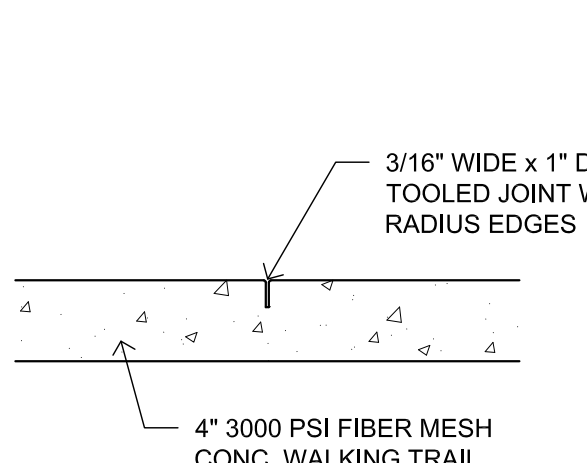
5 BOLLARD DETAIL
LH100 SCALE: 1/2" = 1'-0"



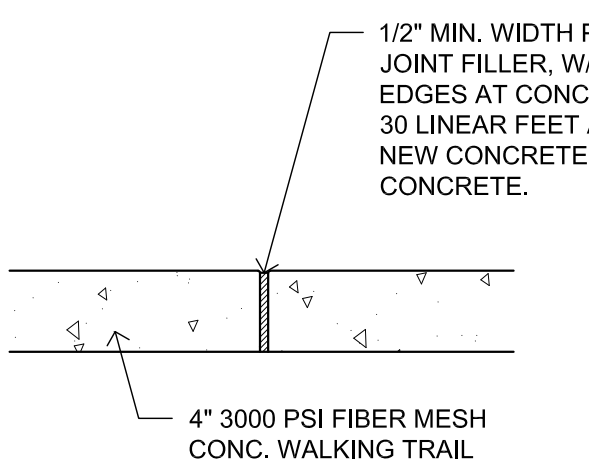
6 TURNED DOWN SIDEWALK DETAIL
LH100 SCALE: 3/4" = 1'-0"




7 HARDWARE DETAIL
LH100 SCALE: 1" = 1'-0"



8 CONTROL JOINT DETAIL
LH100 SCALE: 1" = 1'-0"



9 EXPANSION JOINT DETAIL
LH100 SCALE: 1" = 1'-0"



CAPITAL IMPROVEMENT PROJECT
AUTHORIZED BY
CITY OF MOBILE
WILLIAM S. STIMPSON, MAYOR

DISTRICT #1 CORY PENN
PROJECT COST (\$ DOLLAR AMOUNT)
ARCHITECT'S NAME ARCHITECT
CONTRACTOR'S NAME CONTRACTOR

PROJECT SIGN DETAIL

- SIGN SHALL BE CONSTRUCTED OF 3/4" EXTERIOR GRADE PLYWOOD PAINTED ON ALL SIDES AND EDGES WITH 2 COATS EXTERIOR SEMI-GLOSS WHITE ENAMEL AND LETTERED WITH EXTERIOR BLACK ENAMEL "ARAB BOLD" FONT.
- SIGN TO BE PLACED AT LOCATION(S) DIRECTED BY THE CITY OF MOBILE ARCHITECTURAL ENGINEERING DEPARTMENT.
- SIGN SHALL BE NEW AND MAINTAINED IN GOOD CONDITION UNTIL COMPLETION OF PROJECT, AND THEN REMOVED FROM THE SITE.
- PROJECT COST SHALL BE NEATLY PRINTED ON ORIGINAL SIGN, NOT ON A BOARD NAILED TO THE SIGN.
- IN LIEU OF SIGN CONSTRUCTION AS NOTED ABOVE, SIGN MAY BE CONSTRUCTED OF 3/4" EXTERIOR GRADE PLYWOOD WITH A PRINTED "CONTRAST" (CORROGATED) PLASTIC SIGN PANEL. PANEL SHALL EXTEND TO EDGES OF PLYWOOD PANEL AND JOINT SHALL BE COVERED WITH 1" x 1" PRESSURE-TREATED WOOD TRIM. PAINT TRIM WITH WHITE ENAMEL.
- 4 x 4 PRESSURE-TREATED WOOD POSTS TO BE PAINTED WITH 2 COATS EXTERIOR SEMI-GLOSS WHITE ENAMEL.
- VERIFY VERBIAGE OF SIGN WITH OWNER BEFORE INSTALLING SIGN COLORS AND LOGO SHALL MATCH THE CITY OF MOBILE STANDARDS.

4 PROJECT SIGN
LS100 NTS

City of Mobile
Architectural Engineering Department
205 Government Street
South Tower, 5th Floor
PO Box 1827
Mobile, Alabama 36603

REVISION NUMBER	DATE	DESCRIPTION

**MILL STREET PARK
DRAINAGE AND NEW PLAYGROUND
2665 MILL STREET, MOBILE, ALABAMA 36607
PROJECT # PR-082-21**

DATE:
09-18-2023

SHEET TITLE:
SITE PLAN & DETAILS

SHEET:

LH100