

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AGENCIES HAVING JURISDICTION (HAJ), SPECIFICATIONS AND REQUIREMENTS.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST MAKE CONTACT WITH THE UTILITY COMPANIES PRIOR TO COMMENCING WORK.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.

5. THE CONTRACTOR AT ALL TIMES SHALL HAVE ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS AVAILABLE AT THE JOB SITE.

6. ANY DISCREPANCIES ON THE CONSTRUCTION DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER OF RECORD SHALL BE MADE.

7. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS TO THE ENGINEER OF RECORD. ALL SURVEY COSTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS. WHEN DISCREPANCIES OCCUR, THE PHYSICAL SIGNED & SEALED PLAN TAKES PRECEDENCE. THE ENGINEER, LANDSCAPE ARCHITECT, COUNTY, CITY OR PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO THE SPECIFICATIONS OR PLANS. ANY QUANTITIES PROVIDED ARE FOR REFERENCE ONLY.

11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE LIMITS OF CONSTRUCTION.

12. CONTRACTOR IS ADVISED THAT THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN. CONTRACTOR SHALL SEND A COPY TO THE ENGINEER OF RECORD AND THE OWNER.

13. FLORIDA LAW (F.S.553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF PROPOSED EXCAVATION. THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 2 WORKING DAYS AND A MAXIMUM OF 5 DAYS PRIOR TO EXCAVATION EXCLUDING HOLIDAYS, SATURDAYS OR SUNDAYS.

14. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE LOCAL ELECTRICAL PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.

15. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF THE POWER LINES.

16. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL PLANS RELATED TO SITE WORK INCLUDING (BUT NOT LIMITED TO) BUILDING FOUNDATION, PLUMBING, FIRE SPRINKLER, LANDSCAPE, IRRIGATION, SITE LIGHTING, AND OTHER APPLICABLE PLANS FOR CONFLICTING INFORMATION AND ALERT OWNER'S REPRESENTATIVE OF ANY CONFLICT FOR RESOLUTION.

17. CONTRACTOR SHALL VERIFY LOCATION OF ALL IRRIGATION, STREET LIGHTING, AND ELECTRICAL CONDUIT THAT WILL BE IN CONFLICT WITH ANY PROPOSED CONSTRUCTION AND SHALL RESOLVE CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE INCLUDED IN THE BID.

18. CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC (NOT) WITH ENGINEER, HAJ AND FOOT. CONTRACTOR SHALL SUBMIT MOT PLANS AS DIRECTED AT THE PRE-CONSTRUCTION MEETING.

19. ANY DEBRIS RESULTING FROM STRIPPING AND DEMOLITION OPERATIONS SHALL BE REMOVED FROM THE SITE AT FREQUENT INTERVALS TO PREVENT THIS MATERIAL FROM ACCUMULATING ON SITE.

20. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MULCH, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.

21. UPON REMOVAL OF TREES, SHRUBS OR ANY STUMP GRINDING, NO ROOT GREATER THAN THREE INCHES IN DIAMETER SHALL REMAIN WITHIN FIVE FEET OF AN UNDERGROUND STRUCTURE OR UTILITY LINE OR UNDER PAVED FOOTINGS OR PAVED AREAS.

22. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANS AND THE SPECIFICATIONS (IF PROVIDED), THE PLANS SHALL GOVERN.

23. IF DETERMINING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.

24. FIELD DESIGN TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL AGENCY HAVING JURISDICTION OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

25. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

26. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE APPLICANT SHALL PROVIDE ALL NECESSARY CONSTRUCTION ZONE SIGNAGE AND FENCING AS REQUIRED BY THE AGENCY HAVING JURISDICTION.

27. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.

28. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.

29. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT & PLANS.

30. THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.

31. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADATIONS SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

32. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

33. ALL EXCAVATED UNSUITABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.

34. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS dictate.

35. ALL CONTRACTORS MUST CARRY STATUTORY WORKERS COMPENSATION, EMPLOYERS LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME DYNAMIC ENGINEERING CONSULTANTS, P.C.'S SUBSIDIARIES AS ADDITIONAL INSURED AND TO PROVIDE CONTRACTOR LIABILITY COVERAGE SUFFICIENT TO INSURE THE HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH DYNAMIC ENGINEERING CONSULTANTS, P.C. WITH CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS SUBSIDIARIES FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY MANNER CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.

36. NEITHER THE PROFESSIONAL ACTIVITIES OF DYNAMIC ENGINEERING CONSULTANTS, P.C., NOR THE PRESENCE OF DYNAMIC ENGINEERING CONSULTANTS, P.C., OR ITS EMPLOYEES AND SUBSIDIARIES AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION METHODS, TECHNIQUES, EQUIPMENT OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY REGULATIONS REQUIRED BY ANY REGULATORY AGENCIES. DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL, OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE ADDITIONALLY INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.

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DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL REVIEW AND TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS. COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DYNAMIC ENGINEERING'S REVIEW SHALL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT DYNAMIC ENGINEERING CONSULTANTS, P.C. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE ATTENTION OF DYNAMIC ENGINEERING CONSULTANTS, P.C. IN WRITING BY THE CONTRACTOR. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.

38. IN AN EFFORT TO RESOLVE ANY CONFLICTS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE COMPLETION OF THE PROJECT, DYNAMIC ENGINEERING CONSULTANTS, P.C. AND THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN THEM ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE PROJECT SHALL BE SUBMITTED TO NONBINDING MEDIATION UNLESS THE PARTIES MUTUALLY AGREE OTHERWISE.

39. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO REQUIRE ALL INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS, THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO ALL THOSE AGREEMENTS.

40. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND IT SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ANY SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.

41. ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.

42. THE CONTRACTOR ACKNOWLEDGES HE HAS READ AND UNDERSTOOD THE DESIGN PHASE SOIL PERMEABILITY AND GROUNDWATER TEST RESULTS IN THE STORMWATER MANAGEMENT REPORT AND THAT THE CONTRACTORS RESPONSIBILITIES INCLUDE NECESSARY PROVISIONS TO ACHIEVE THE DESIGN PERMEABILITY IN THE FIELD.

43. THE CONTRACTOR TO BE ADVISED THAT THE ENGINEER WAS NOT PROVIDED WITH FINAL FLOOR PLAN DRAWINGS FOR THE BUILDING AT THE TIME OF CONSTRUCTION DOCUMENT CREATION AND CIVIL PERMIT APPROVALS. AS A RESULT, ENTRANCE DOOR LOCATIONS AS DEPICTED HEREON MAY NOT BE FINAL AND MUST BE CONFIRMED WITH THE PERMITTED ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. THE HANDICAP PARKING SPACES MUST BE LOCATED AS THE NEAREST SPACES TO THE ENTRANCE. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

PRE-CONSTRUCTION RESPONSIBILITIES

1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE ENGINEER AND ITSELF.

2. THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING AND EXCAVATION.

3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.

4. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.

5. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

CONSTRUCTION SAFETY

ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

TRENCH SAFETY ACT

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.

2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:

- A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
- WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
- A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.

3. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM "2" TO THE ENGINEER PRIOR TO STARTING WORK.

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPOSED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS PROVIDED BY THE CONTRACTOR.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DICTATED BY THE PERMITTING AGENCY OR OWNER.
5. EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL, OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MONITOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN ANY DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORMWATER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
18. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAWING FOR ROAD CONSTRUCTION.
22. EROSION CONTROL PLANS PROVIDED HEREIN ARE A GUIDELINE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE FINAL STORMWATER POLLUTION PREVENTION PLAN. THE PLAN SHALL BE SUBMITTED TO THE OWNER AND ENGINEER WHICH DEMONSTRATES THE MECHANISMS AND PRACTICES THAT WILL BE EMPLOYED TO PROTECT THE CONSTRUCTION SITE AND SURROUNDING AREA DURING CONSTRUCTION. THE PLAN SHALL BE CONSISTENT WITH FEDERAL, NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS PERTAINING TO POLLUTION PREVENTION PLANS. THE PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE LOCATIONS OF SILT BARRIERS, TURBIDITY SCREENS OR TEMPORARY SHEETING, EMERGENCY RESPONSE PRACTICES, AND OTHER METHODS TO PREVENT POLLUTION. REFUELING OR STORAGE OF VEHICLES OR EQUIPMENT THAT UTILIZE PETROLEUM BASED PRODUCTS SHALL BE PROHIBITED ANYWHERE WITHIN 50 FEET OF A WATER'S EDGE. THE PLAN SHALL BE SUBMITTED TO THE OWNER AFTER NOTICE OF AWARD AND PRIOR TO NOTICE TO PROCEED. AFTER REVIEW BY OWNER THE PLAN SHALL BE FILED WITH ALL APPLICABLE REGULATORY AGENCIES BY THE CONTRACTOR. REFER TO FURTHER NOTES AND DETAILS WITHIN THESE DOCUMENTS.
23. SILT FENCE IS REQUIRED AS SHOWN ON THE PLANS AND ANYWHERE ADDITIONAL AT THE CONTRACTOR'S DISCRETION. SILT FENCE IS NOT APPLICABLE IN PAVED AREAS. LIMITS OF CONSTRUCTION SHOWN ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE PLAN TO ENGINEER FOR SHOP DRAWING REVIEW.
24. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
25. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
26. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DOCUMENTATION FOR NPDES MONITORING IN ACCORDANCE WITH FDEP REQUIREMENTS.
27. ALL MEASURES SITED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, THEN CLEANED AND REPAIRED.
28. CONTRACTOR TO CONSIDER POTENTIAL DEWATERING ACTIVITIES WHEN PREPARING BID DOCUMENTS FOR THIS PROJECT.
29. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
30. CONTRACTOR TO USE B.M.P.'S TO ENSURE COMPLIANCE WITH NPDES AND WATER MANAGEMENT DISTRICT REGULATIONS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND DEWATERING OPERATIONS.
31. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DETECTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SUCH ITEMS.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO USE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.
4. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
5. ANY AREAS FOR LANDSCAPING SHALL HAVE ALL BASE AND SUBGRADE MATERIAL REMOVED TO A DEPTH OF 3 FEET.
6. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCOMPASS THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THE PLANS.
7. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DETECTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
8. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND Dewatering PERMITS, IF APPLICABLE.
9. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE.
10. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS Delineated ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
11. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
12. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED onto ADJOINING ROADS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
13. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
14. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
15. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE AGENCY HAVING JURISDICTION AND THE CONSTRUCTION MANAGER.
16. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
17. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
18. CONTRACTOR MUST COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH PROPOSED PLANS.

PAVING, GRADING & DRAINAGE NOTES

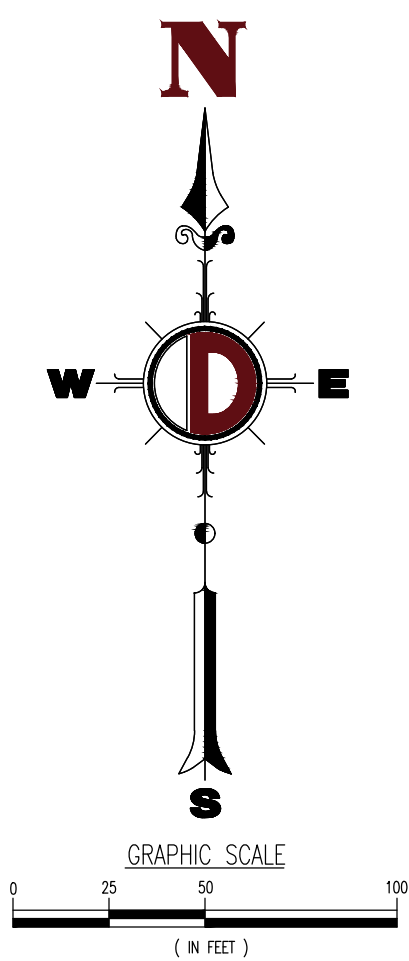
1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITH PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL COUNTY OR STATE SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FOOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS, WHICHEVER IS MOST RESTRICTIVE.
2. ALL UNPAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED, UNLESS OTHERWISE NOTED.
3. TRAFFIC CONTROL ON ALL FOOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHWA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED WITH BAHIA SOD UNLESS INDICATED OTHERWISE ON THE ENGINEERING OR LANDSCAPE PLANS.
6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT TYPICAL SECTIONS AS INDICATED ON THE DRAWINGS.
7. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL INSTALL FIBER OPTIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEARED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
10. IF Dewatering IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER PRIOR TO ANY EXCAVATION.
11. CONTRACTOR TO STOP TOPSOIL AND ORGANIC MATERIAL FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FOOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED, AND MAINTAINED UNTIL A GOOD STAND OF GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN. WITH THE EXCEPTION OF THE PERMITTER BERM (IF APPLICABLE), WHICH SHALL BE 4 (HORIZONTAL) : 1 (VERTICAL) MAX.
15. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
16. CONTRACTOR IS TO REMOVE EXISTING UNSUITABLE OR OVERLY COMPACT SOIL OR ROCK AS NEEDED TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE OWNERS GEOTECHNICAL ENGINEER, AND NEW FILL, IF NEEDED, SHALL HAVE AN IN-PLACE PERMEABILITY GREATER THAN OR EQUAL TO THE DESIGN CRITERIA.
17. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND FIRM THE CONTRACTOR'S PROPOSED MEANS AND METHODS AND TO SCHEDULE INSPECTIONS FOR BOTTOM OF BASIN, REMOVAL OF UNSUITABLE SOIL, FILL PLACEMENT, AND FINAL BASIN PERMEABILITY TESTING.
18. THE CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.

MAINTENANCE (ALL PHASES)

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR/PRIMARY PERMITTEE. THESE MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEED AS NEEDED.
3. SILT FENCES SHALL BE CHECKED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD onto PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.

[illegible]



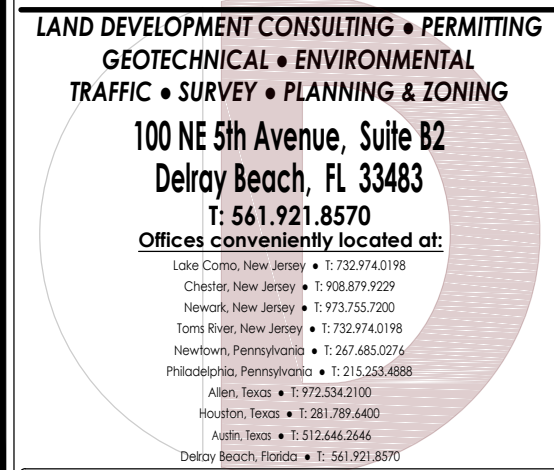
REV.	DATE	COMMENTS	BY
1	06/18/21	7301 ACCESS COMMENTS	PAK
2	06/21/21	4359C COMMENTS	PAK
3	07/07/21	4359C COMMENTS	SRM

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DRAWN BY:	DESIGNED BY:	CHECKED BY:	CHECKED BY:
12/12/12	12/12/12	12/12/12	12/12/12

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY

8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUVAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 2S, RANGE 25E



PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

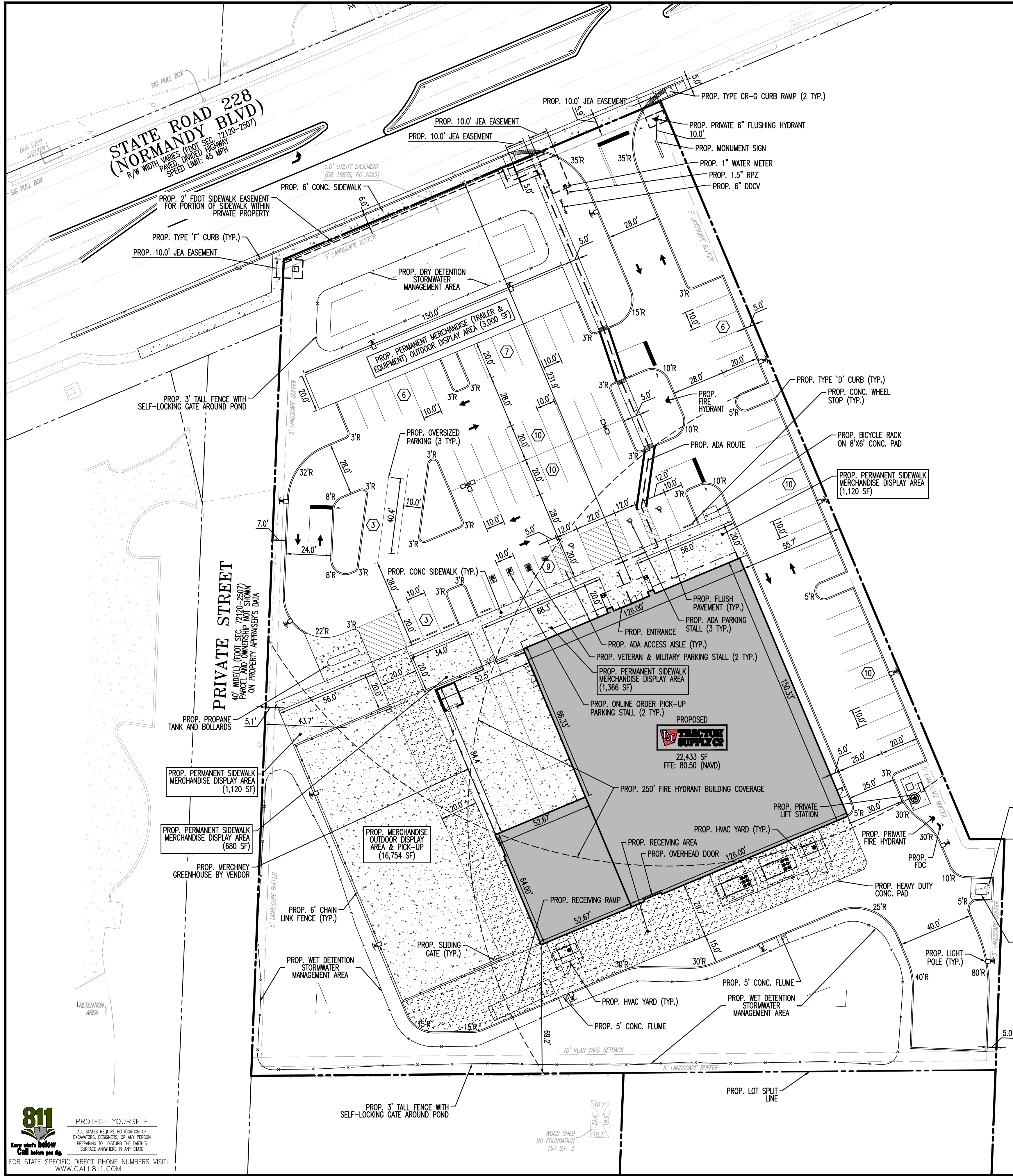
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SCALE: (H) AS (V) NOTED	DATE: 03/26/2021
PROJECT No: 2451-99-038	

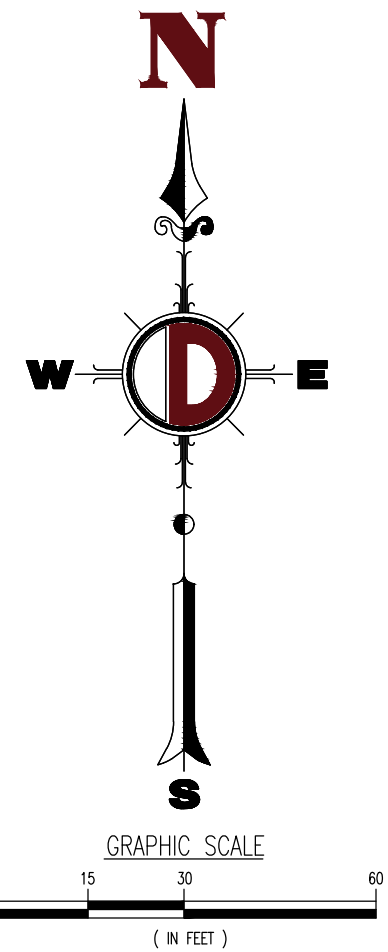
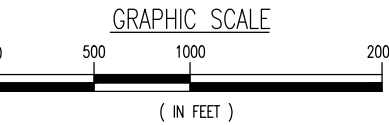
SHEET No: **C1.00**

Plotted: 08/23/21 - 4:18 PM, By: smcdormott
File: P:\pccp projects\2451 the snedden\99-038 tsc jacksonville west\Drawg\Plan Sheets\0245199038S13.dwg ----> C1.01 HORIZONTAL CONTROL PLAN

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LOCATION MAP

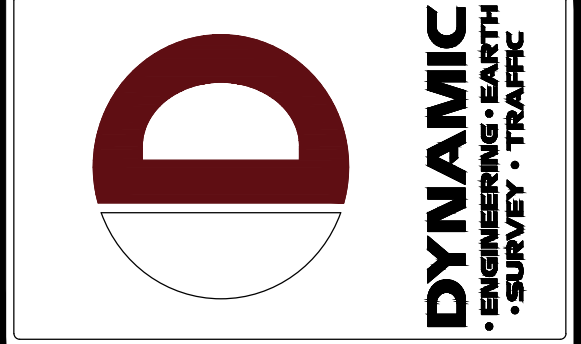


SITE DATA				
PARCEL NO. (A):	009039-0000			
PARCEL NO. (B):	009046-0000			
PARCEL NO. (C):	009037-0010			
PARCEL NO. (D):	009040-0000			
PARCEL NO. (E):	009050-0000			
ADDRESS:	8984 NORMANDY BLVD., JACKSONVILLE, FL 32221			
LOCATION:	LOCATED ON THE SOUTH SIDE OF NORMANDY BLVD., JACKSONVILLE, FL, 32246			
CDN:	10037.002			
OWNER (A):	FLIGHT PATH MANAGEMENT INC.			
OWNER (B):	KELLER HALLIE DAVID			
OWNER (C):	KELLER HALLIE DAVID			
OWNER (D):	RASO JEANNE L ET AL			
OWNER (E):	RASO JEANNE L ET AL			
APPLICANT:	HSC JACKSONVILLE WEST, LLC			
PRE-DEVELOPMENT ZONING:	CCG-2 COMMERCIAL COMMUNITY/ GENERAL-2			
LAND USE:	CGC COMMUNITY/ GENERAL COMMERCIAL			
PRE-DEVELOPMENT USE:	COMMERCIAL (PAINTBALL FIELD)			
POST-DEVELOPMENT USE:	COMMERCIAL RETAIL WITH OUTSIDE MERCHANDISE DISPLAY			
FLOOD ZONE:	X PANEL: 12031C0341H			
BUILDING HEIGHT:	30 FEET (1 STORY)			
LEGAL DESCRIPTION:	REFER TO SURVEY			
DEVELOPMENT DATA				
LOT COVERAGE	PRE-DEVELOPMENT(SF)	POST-DEVELOPMENT (SF)	POST-DEVELOPMENT (AC)	PERCENTAGE (%)
PROJECT SITE AREA:	156,775	156,775	3.60	100.00%
BUILDING GFA:	3,845	22,433	0.51	14.31%
OUTDOOR DISPLAY MERCHANDISE AREAS:	0	24,033	0.55	15.33%
PAVEMENT AREA:	718	58,890	1.35	37.56%
SIDEWALKS:	0	2,613	0.06	1.67%
DRY DETENTION AREA	0	4,040	0.09	2.58%
WET DETENTION AREA	0	10,650	0.24	6.79%
TOTAL IMPERVIOUS (INCLUDES BUILDING)	0	107,969	0.00	68.87%
EXISTING DITCHES	0	0	0.00	0.00%
OPEN SPACE:	152,212	34,116	0.78	21.76%
TOTAL PERVIOUS	152,212	48,806	1.12	31.13%
BUILDING SETBACKS				
	PRE-DEVELOPMENT	REQUIRED	POST-DEVELOPMENT	
FRONT (N)	30.22'	N/A	231.9'	
SIDE (W)	237.87'	N/A	43.7'	
SIDE (E)	24.77'	N/A	55.7'	
REAR (S)	26.24'	10.00'	69.2'	
BUFFER STRIPS				
	PRE-DEVELOPMENT	REQUIRED	POST-DEVELOPMENT	
FRONT (N)	N/A	5.00'	61.76'	
SIDE (W)	N/A	5.00'	5.14'	
SIDE (E)	N/A	5.00'	5.00'	
REAR (S)	N/A	5.00'	9.99'	
PARKING				
	REQUIRED	TYPE	PRE-DEVELOPMENT	POST-DEVELOPMENT
PARKING RATIO				
3 STALLS PER 1000 SF	68	STANDARD	N/A	68
		OVERSIZED	N/A	3
		ADA	N/A	3
		TOTAL	N/A	74
BICYCLE RACKS: 1 PER 5,000 SF	5			5

HORIZONTAL CONTROL NOTES

- ALL CURBING IS TYPE "D" UNLESS OTHERWISE STATED.
- TYPE "D" CURB SHALL BE CONSTRUCTED PER LATEST FOOT INDEX 520-001.
- ALL DIMENSIONS SHOWN, OTHER THAN LANDSCAPE DIMENSIONS, ARE TO FACE OF CURB FOR TYPE "D" CURB OR EDGE OF PAVEMENT FOR NO CURB, UNLESS OTHERWISE NOTED.
- ALL RADII ARE 3' UNLESS OTHERWISE NOTED ON PLANS.

SEE SHEET C6.00 FOR OFF-SITE ROADWAY IMPROVEMENTS



REV	DATE	COMMENTS	BY
3	07/07/21	AGENCY COMMENTS	SSM
2	07/27/21	AGENCY COMMENTS	KAK
1	07/18/21	FOOT ACCESS COMMENTS	KAK

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DATE:	07/07/21	DATE:	07/07/21

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 25S RANGE 25E

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ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

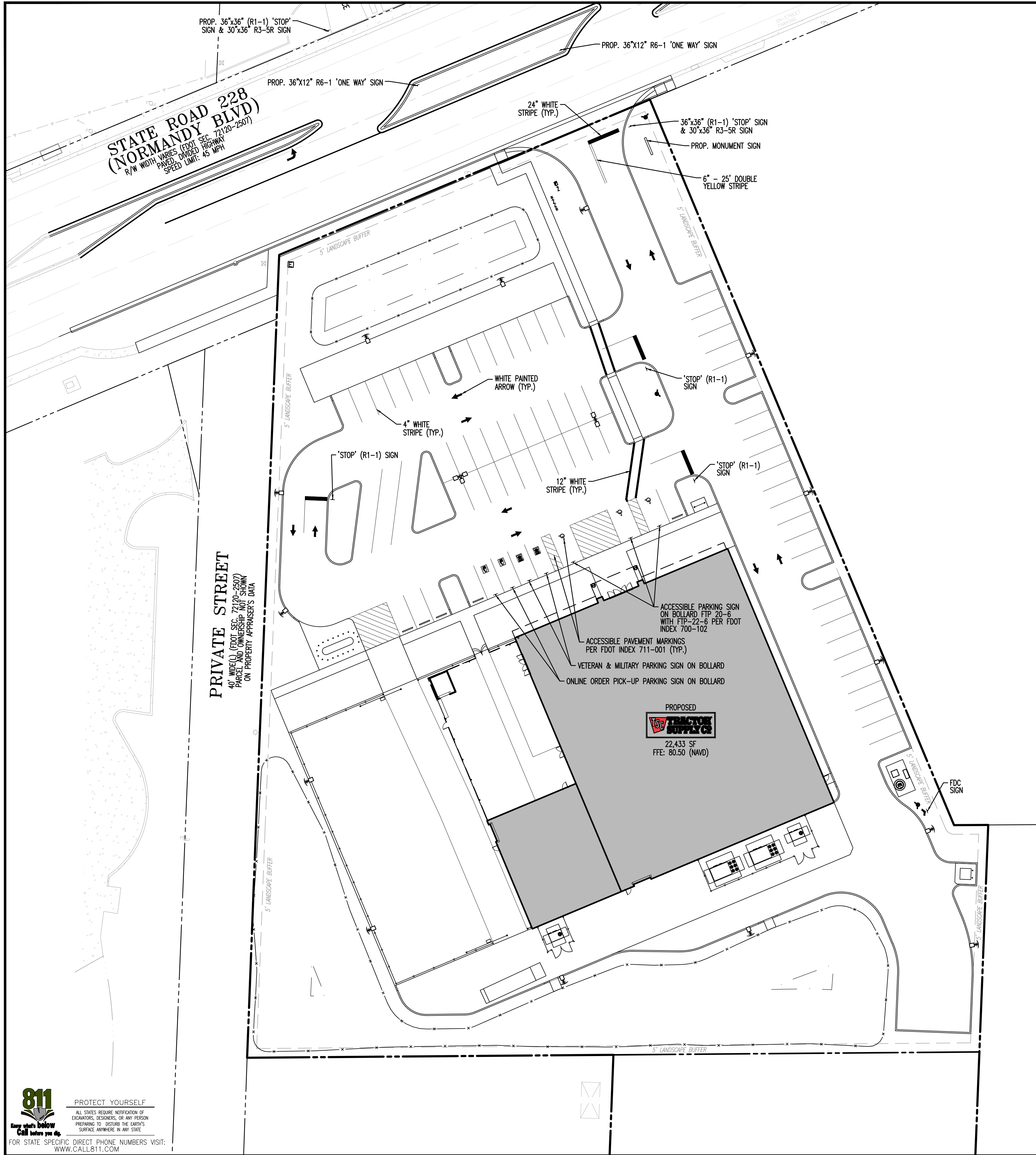
TITLE:
HORIZONTAL CONTROL PLAN

SCALE: (H) AS SHOWN
(V) NOTED
PROJECT No: 2451-99-038
DATE: 03/26/2021

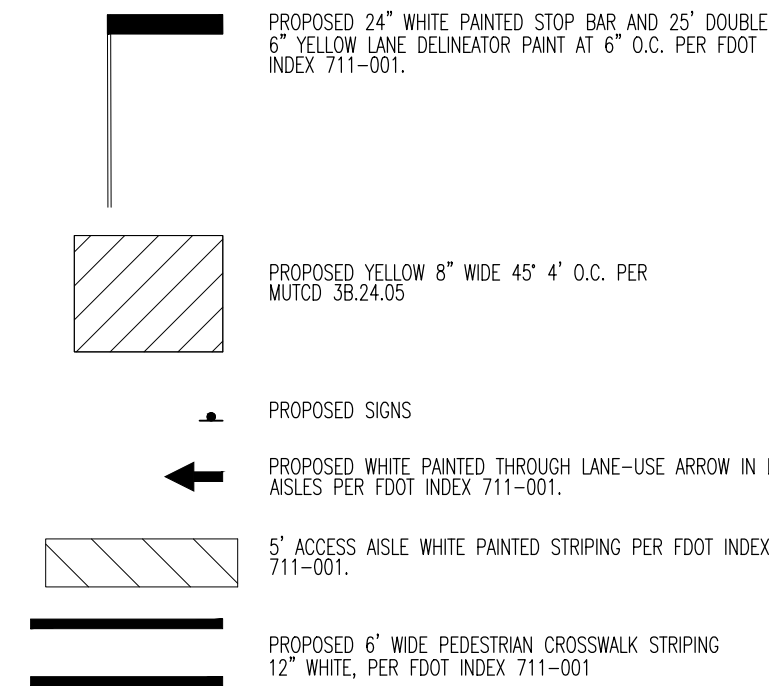
SHEET No: **C1.01**
Rev. #: **3**

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File: F:\dscpp projects\2451 the snedden\99-038 tsc jacksonville west\dwg\Plan Sheets\0245199038SS3.dwg ----> C1.02 SIGNING & STRIPING PLAN

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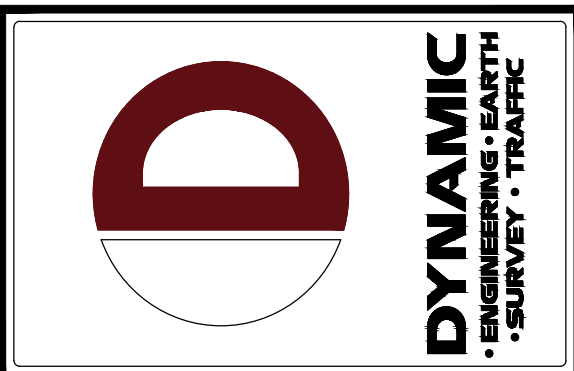
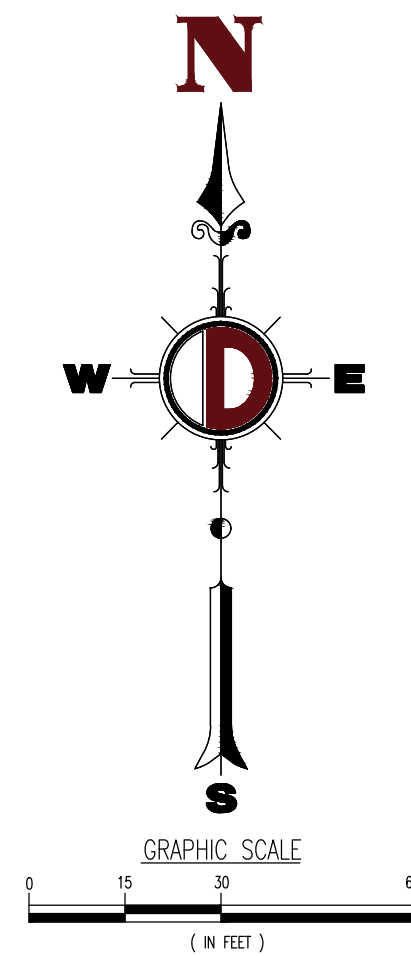
SIGN & MARKING LEGEND



CITY OF JACKSONVILLE PAVEMENT MARKING STANDARDS:

- PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN ON THE PLANS AND DETAIL SHEETS.
- ANY REQUIRED TEMPORARY MARKINGS MUST BE IN PLACE BEFORE OPENING LANES OF TRAFFIC. PAY ITEMS FOR TEMPORARY PAVEMENT MARKINGS ARE TO BE INCLUDED IN THE TABULATION OF QUANTITIES.
- THE REMOVAL OF EXISTING PAVEMENT MARKINGS WILL BE CONSIDERED AN INCIDENTAL ITEM WITH NO ADDITIONAL COMPENSATION PROVIDED.
- ALL PERMANENT PAVEMENT MARKINGS SHALL BE EXTRUDED THERMOPLASTIC AND MEET CURRENT CITY OF JACKSONVILLE SPECIFICATIONS AND/OR FOOT STANDARD SPECIFICATIONS LATEST EDITION.
- THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED NO SOONER THAN 30 CALENDAR DAYS AFTER THE COMPLETION OF THE FINAL PAVEMENT LAYER.
- A BITUMINOUS REFLECTIVE PAVEMENT MARKER (PRM) ADHESIVE MEETING CURRENT CITY OF JACKSONVILLE AND/OR FOOT SPECIFICATIONS SHALL BE USED ON ASPHALT ROADWAYS.
- THE CONTRACTOR SHALL USE CLASS -B REFLECTIVE PAVEMENT MARKERS (RPMs) INSTALLED TO MEET CURRENT CITY OF JACKSONVILLE SPECIFICATIONS AND/OR FOOT STANDARD SPECIFICATIONS.
- REFLECTIVE PAVEMENT MARKERS THAT DO NOT CONFLICT WITH PERMANENT (THERMOPLASTIC) MARKINGS SHALL BE PLACED ON ALL FINAL ASPHALTIC CONCRETE SURFACES IMMEDIATELY AFTER THE TEMPORARY PERMANENT STRIPING IS IN PLACE.
- PAVEMENT MARKINGS REMOVAL:
 - PAINT BLACKOUT METHOD OF PAVEMENT MARKINGS REMOVAL IS NOT ACCEPTABLE.
 - GRINDING OR HYDRO BLAST METHODS SHALL BE USED ON WEATHERED ASPHALT SURFACES.
 - REMOVAL ON NEW ASPHALT SURFACES SHALL BE BY HYDRO BLAST METHOD ONLY.
- THE CONTRACTOR SHALL CONTACT THE PAVEMENT MARKING INSPECTOR (PMI) 255-7550 48 HOURS PRIOR TO INSTALLING ANY PAVEMENT MARKINGS ON ANY CITY OF JACKSONVILLE ROADWAY OR STREET.
- IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS OF THE CITY OF JACKSONVILLE AND THE SPECIFICATIONS OF THE FOOT, THE CITY OF JACKSONVILLE WILL PREVAIL.

SEE SHEET C6.00 FOR OFF-SITE ROADWAY IMPROVEMENTS



REV.	DATE	COMMENTS	BY
3	07/07/21	AGENCY COMMENTS	SKM
2	06/22/21	AGENCY COMMENTS	KAK
1	06/18/21	FOOT ACCESS COMMENTS	KAK

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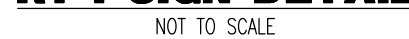
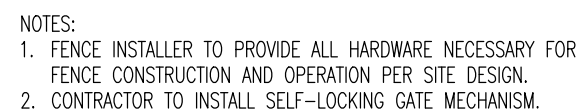
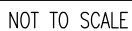
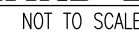
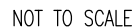
MICHAEL D. MILES
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE: **SIGNING & STRIPING PLAN**

SCALE: (H) AS SHOWN (N) NOTED	DATE: 03/26/2021
PROJECT No: 2451-99-038	

SHEET No: C1.02	Rev. #: 3
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Plotted: 09/23/21 - 4:18 PM, By: smdermott
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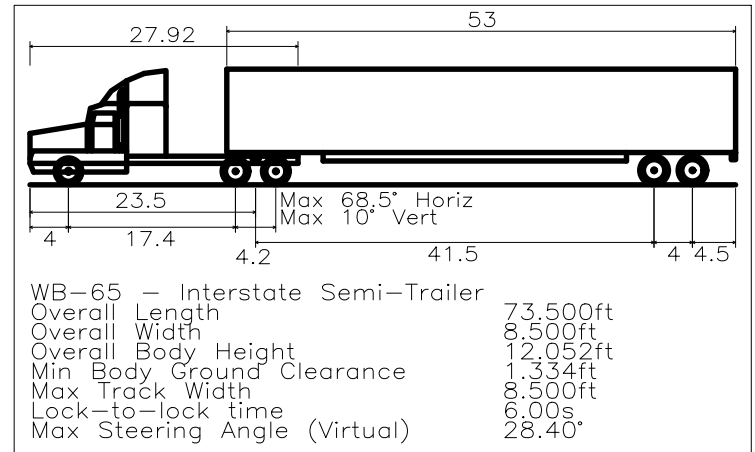
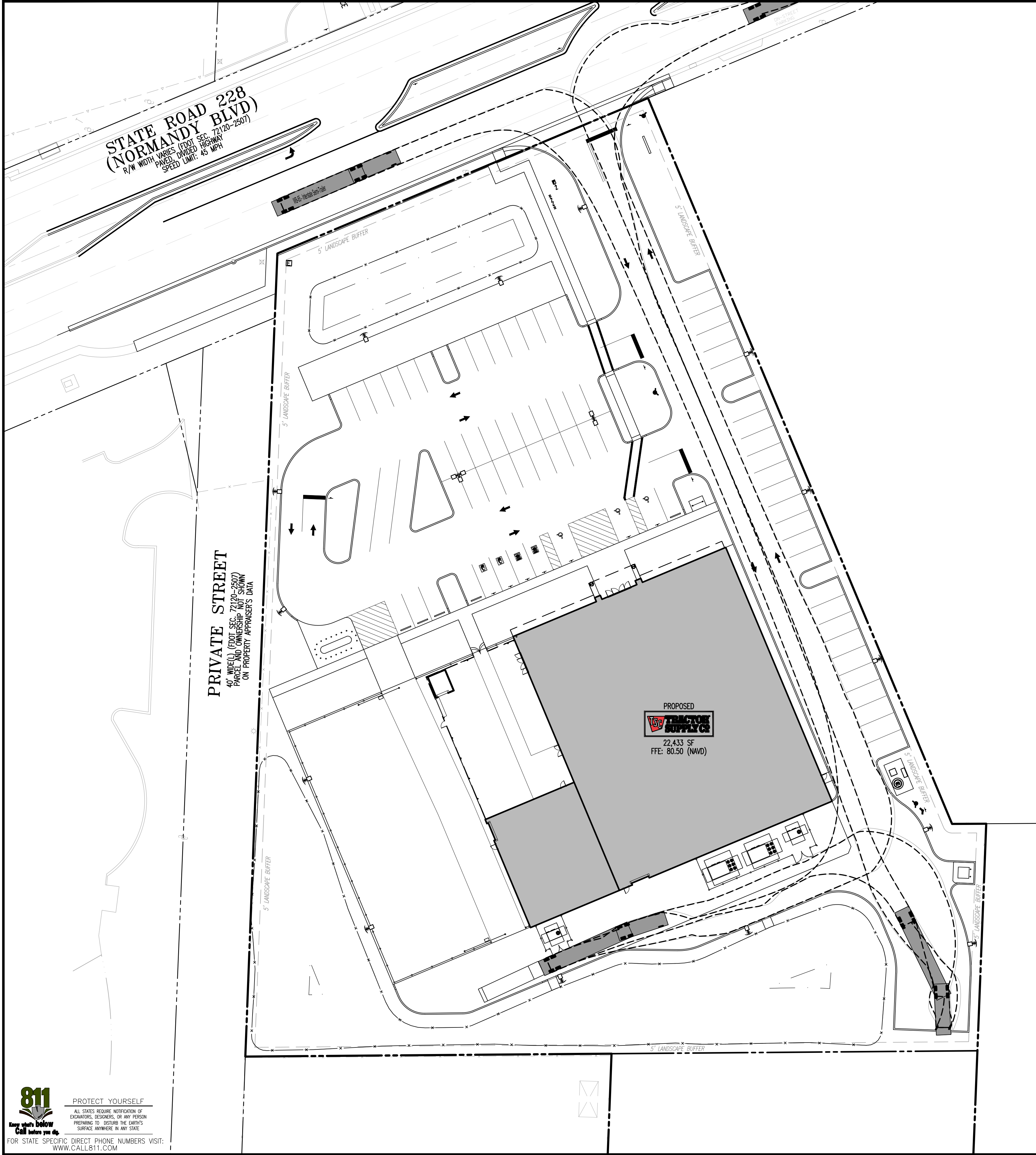
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any work below
Call before you dig

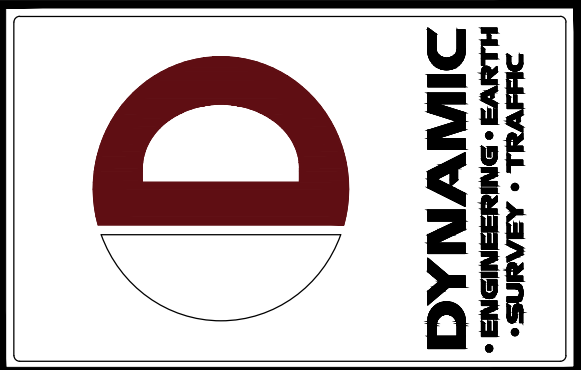
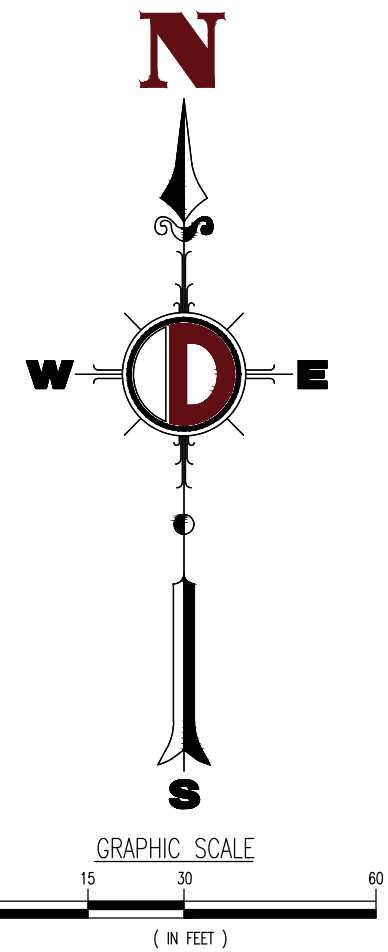
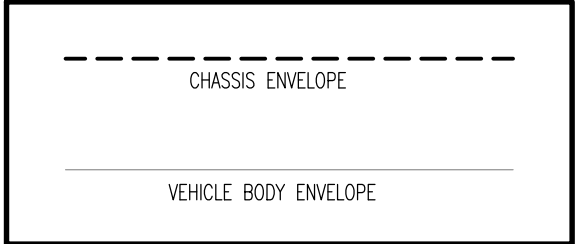
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VEHICLE LEGEND:



REV	DATE	COMMENTS	BY
3	07/07/21	AGENCY COMMENTS	SSM
2	06/21/21	AGENCY COMMENTS	KAK
1	06/18/21	FOOT ACCESS COMMENTS	KAK

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CHECKED BY: JCP/NCM

AP

CHECKED BY: —

PROJECT:

HSC JACKSONVILLE WEST, LLC
PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUVAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 25, RANGE 25E

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Phoenix, Arizona • T: 602.485.0275

Phoenix, Arizona • T: 602.485.0275

Phoenix, Arizona • T: 602.485.0275

Florida Certificate of Authorization No. 32535

www.dynamiccec.com

MICHAEL D. MILES

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

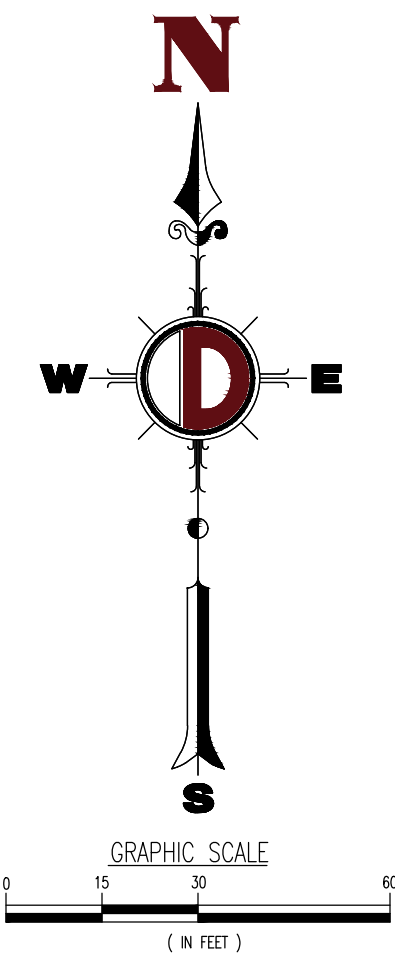
TITLE: VEHICLE CIRCULATION PLAN

SCALE: (H) AS NOTED (V) NOTED DATE: 03/26/2021
PROJECT No: 2451-99-038

SHEET No: C1.04 Rev. #: 3



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DEMOLITION NOTES

- ## EROSION CONTROL NOTES

1. SEDIMENT BASINS AND TRAPS, PERMITEE DITCHES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP TO ALL LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TAKES PLACE.
2. SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERMITEE SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
3. THE SITE TEMPORARY STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
4. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.
6. AFTER ANY SOURCE CONTROL MEASURE HAS BEEN INSPECTED FOR INTEGRITY, ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
7. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITH AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, SLOPE DRAIN STRUCTURE OR APPROVED CONTROL.
8. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORM WATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LOADED WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
9. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
10. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
11. WHEN A ROAD VEHICLE AND/OR TRAILER INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADWAYS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL OR STREET CLOSING AREA. WHEN A ROAD VEHICLE OR TRAILER AFTER SEDIMENT IS REMOVED IN THIS MANNER, THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
13. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
14. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN INDEX NUMBERS 101, 102 AND 103 OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND COUNTY PERMITS.
15. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.
16. CONTRACTOR MUST INCORPORATE MUST INCORPORATE ALL MEANS OF NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS.
17. NO POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMPs MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.
18. NO SHAL BE POSTED ON SITE.
19. DEWATERING ACTIVITIES:
 - a. DISCHARGE MUST NOT EXCEED STATE WATER QUALITY STANDARDS.
 - b. CONTRACTOR MUST HAVE A TRANSFERABLE SWPPP DEWATERING PERMIT.
 - c. NO HYDRAULIC PUMPS MAY BE USED FOR DEWATERING UNLESS APPROVED BY THE WATER MANAGEMENT DISTRICT FOR THAT AREA.

PHASING NOTES

1. CONTRACTOR MAY PHASE EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH SITE CONSTRUCTION PHASING.
2. CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION AREA IS SEPARATED FROM THE AREA NOT UNDER CONSTRUCTION WITH A TEMPORARY CHAIN LINK FENCE AND ENSURE THE SAFETY OF THE PUBLIC.
3. CONTRACTOR SHALL PROVIDE SWPPP AS REQUIRED FOR THE PROPOSED PAVING, GRADING AND DRAINAGE PLAN. SEE ATTACHED DETAILS AS NECESSARY.

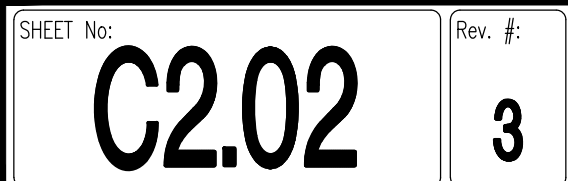
SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

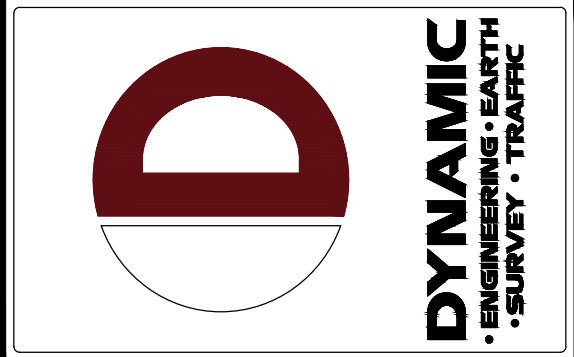
NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH SPECIFIC PROJECT SCHEDULE

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SHEET No:	Rev. #:
C2.00	3

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DESIGNED BY:	CHECKED BY:	CHECKED BY:
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KAK	JCP/NCM	AP	—
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PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY

8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUVAL COUNTY FLORIDA 32246

DUVAL COUNTY, FLORIDA 32240
SECTION 33 TOWNSHIP 25, RANGE 25E

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Florida Certificate of Authorization No. 32535

MICHAEL D. MILES

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO

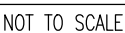
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE: PAVING,
GRADING &
DRAINAGE PLAN

SCALE: (H) AS (V) NOTED	DATE: 03/26/2021
PROJECT No: 2451-99-038	

SHEET No:	C3.00	Rev. #:	3
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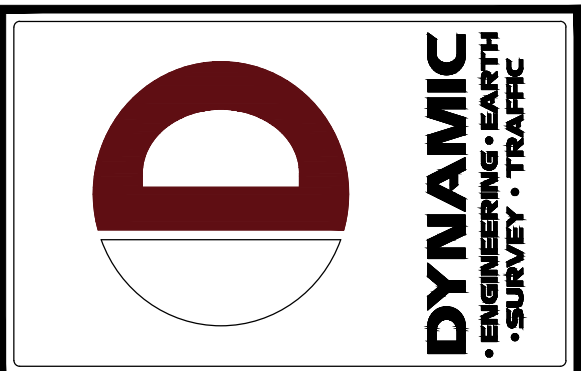
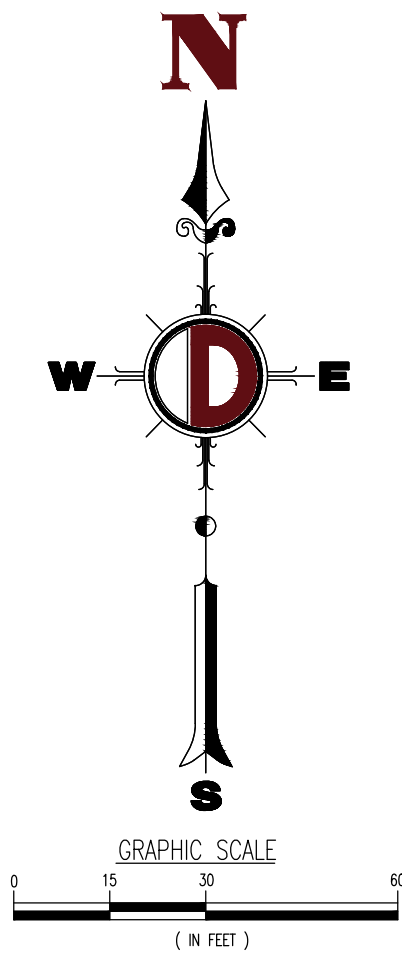
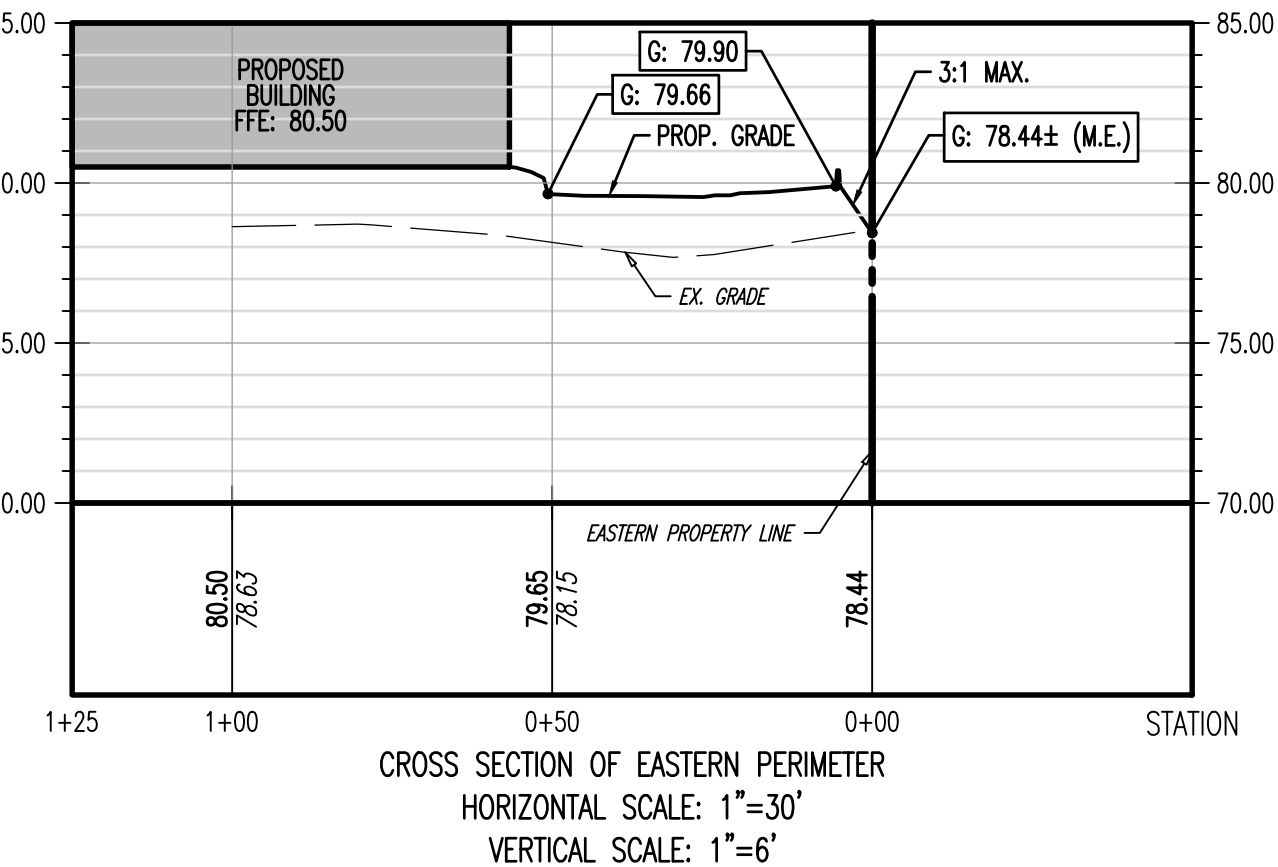
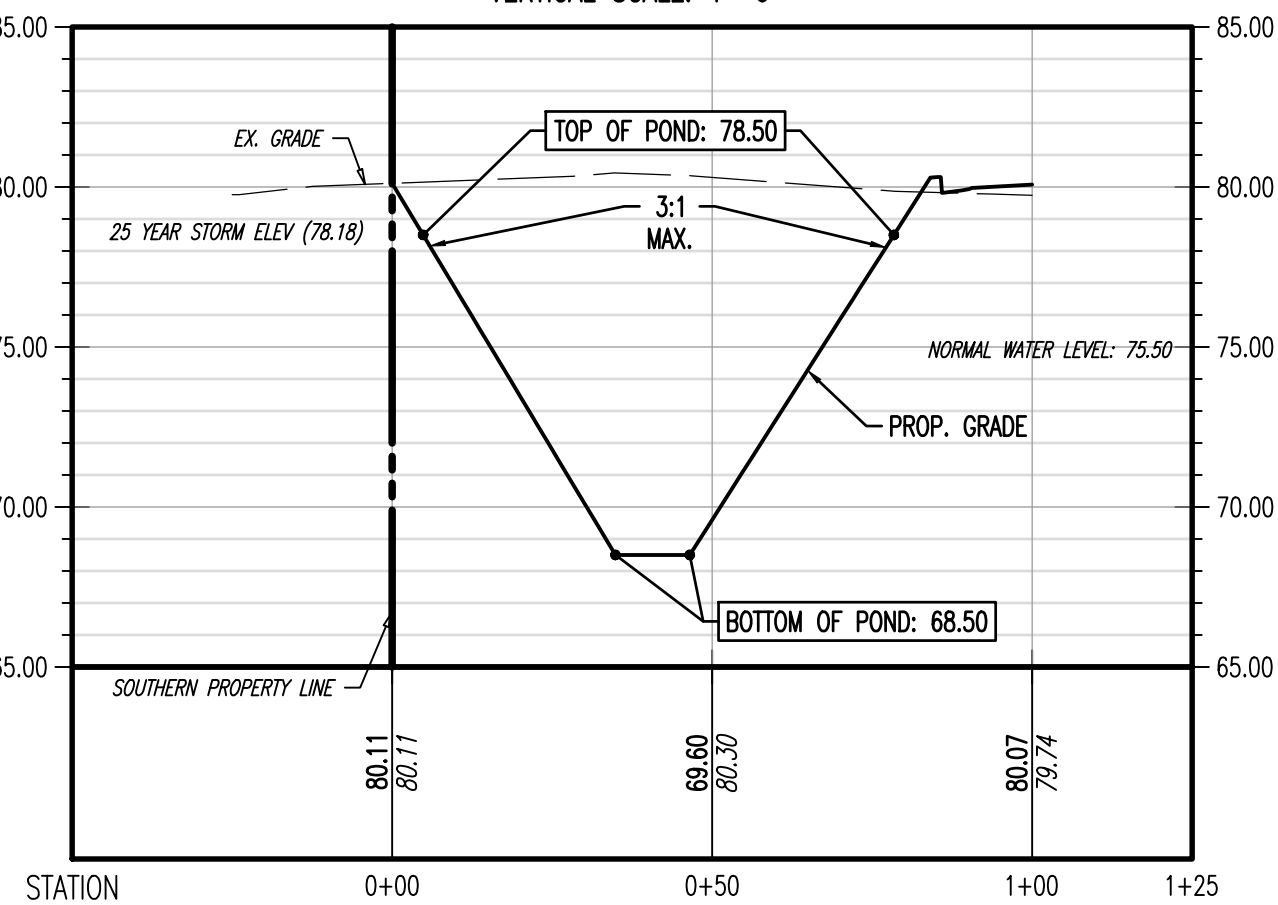
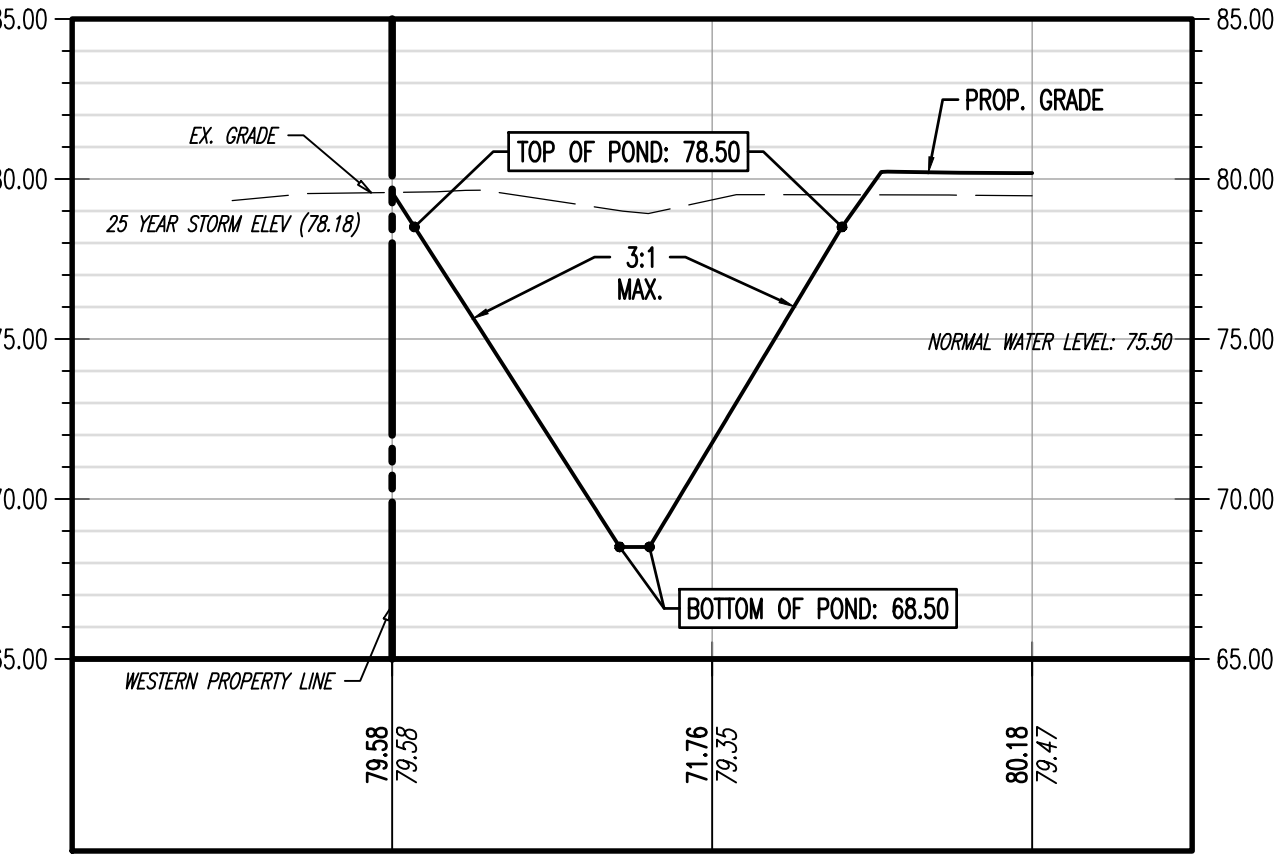
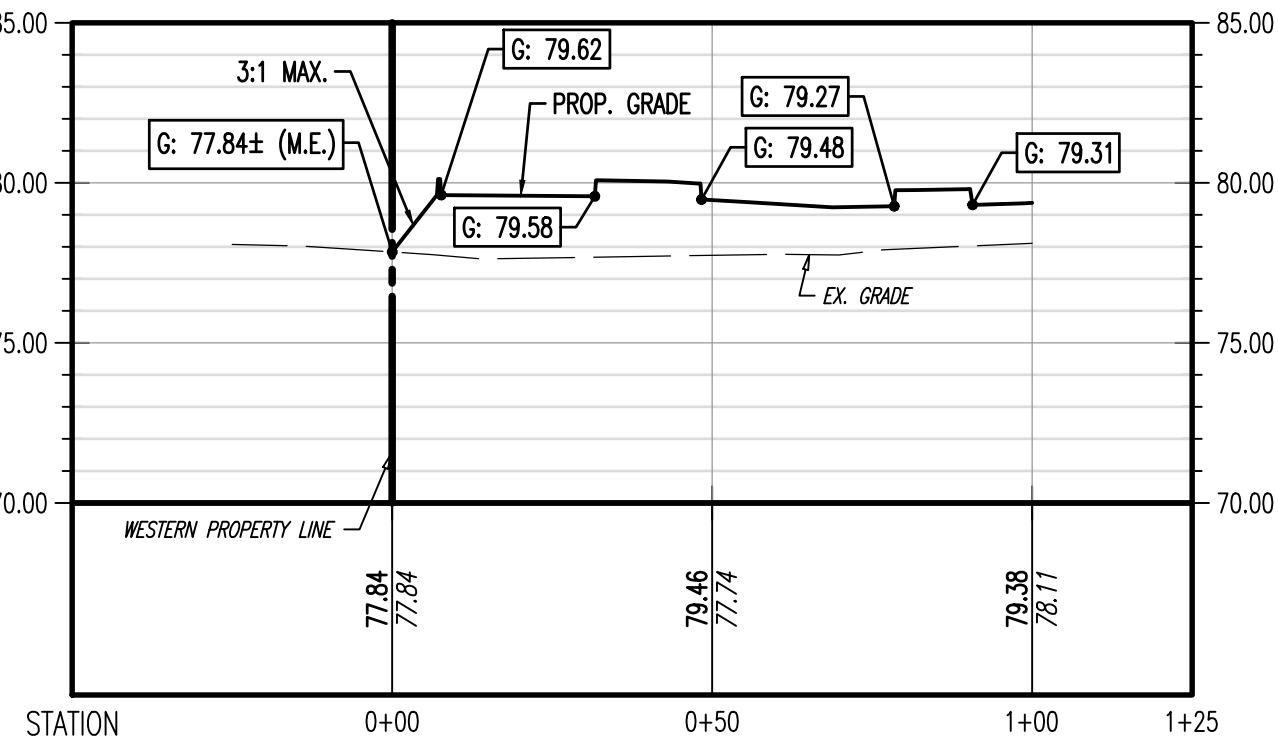
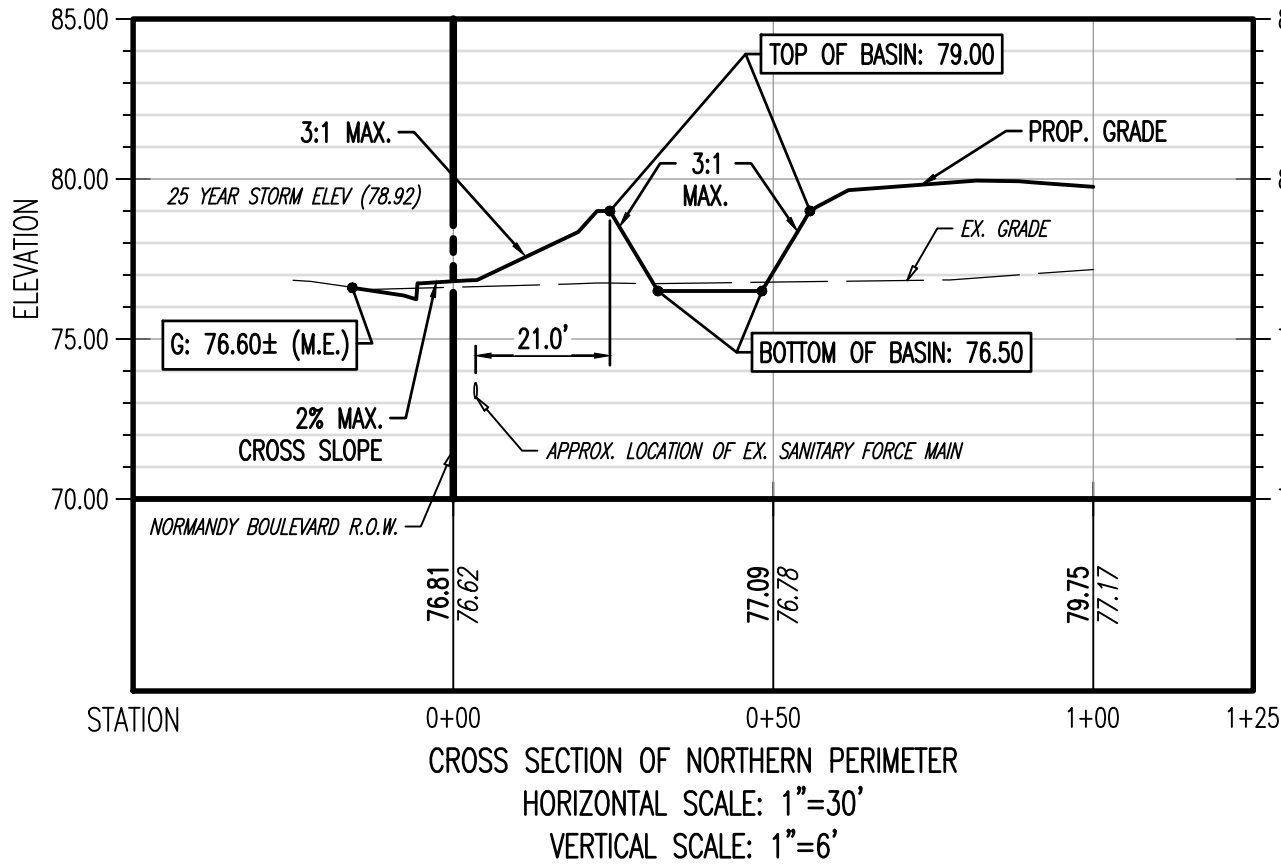
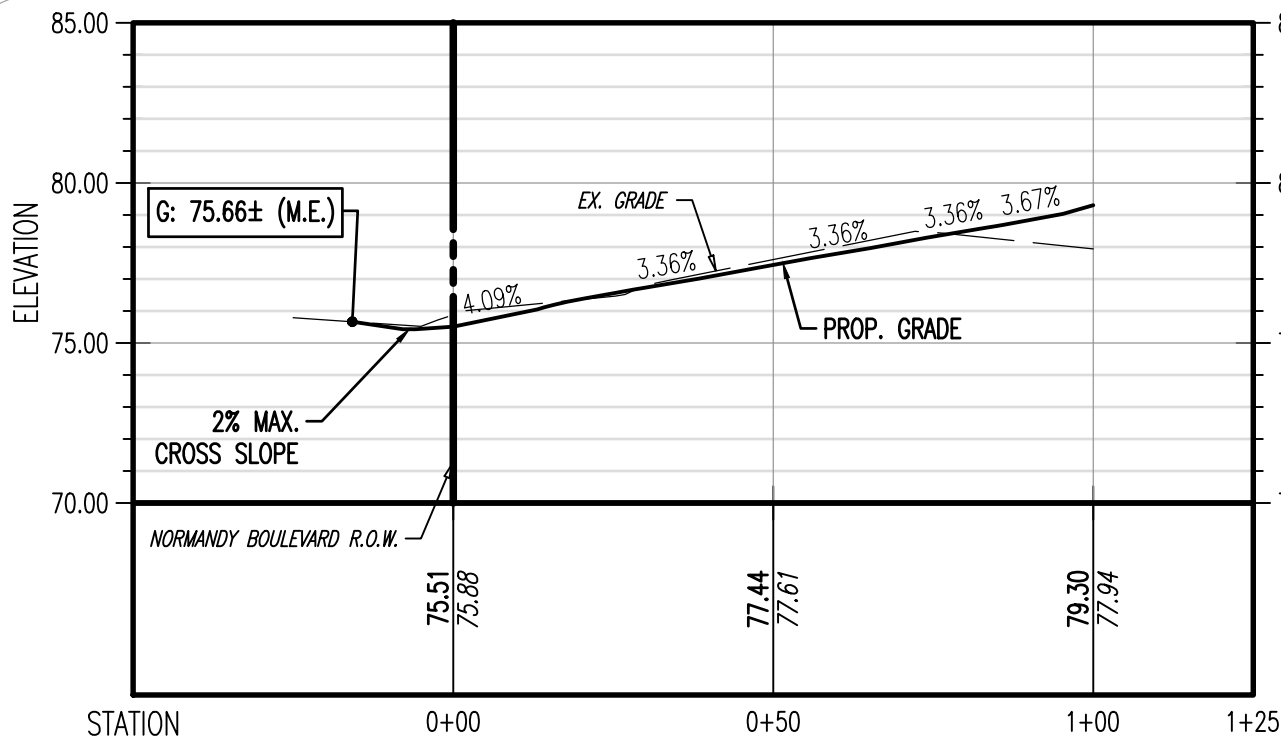
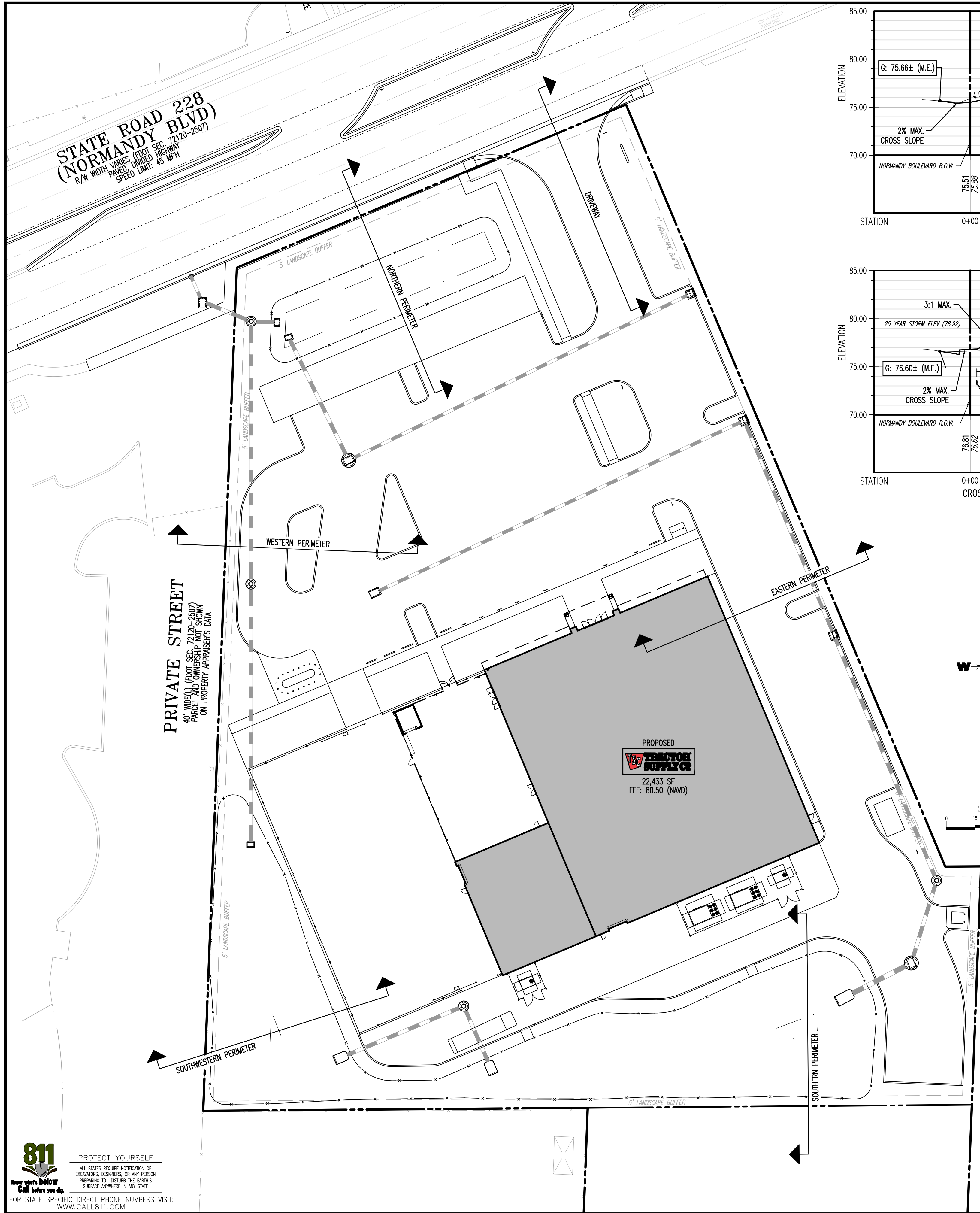


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2	06/21/21	AGENCY COMMENTS	KAK
1	06/18/21	FOOT ACCESS COMMENTS	KAK

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APPROVED BY: AP

PROJECT: HSC JACKSONVILLE WEST, LLC
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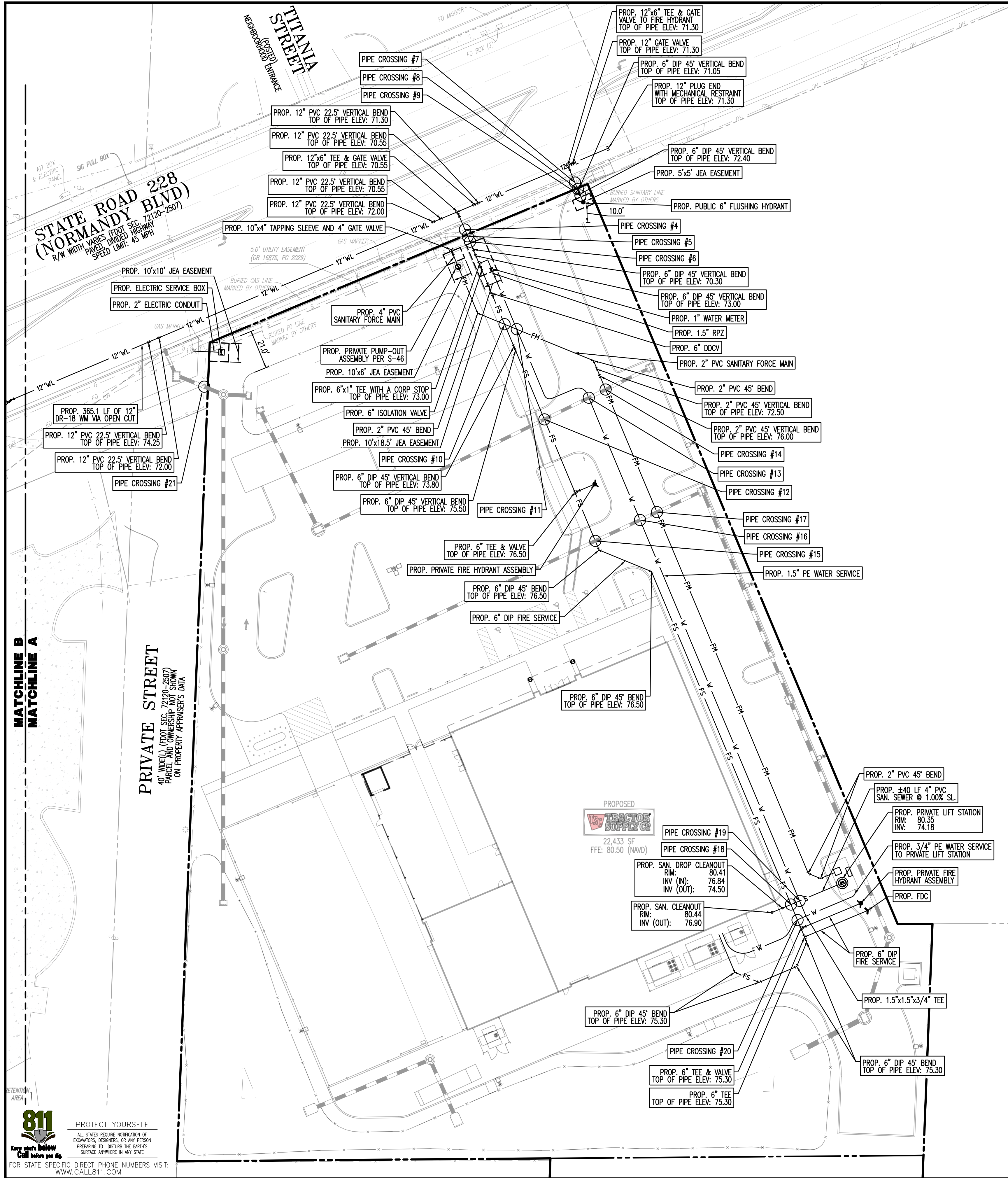
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PROFESSIONAL ENGINEER
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CROSS SECTIONS

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PROJECT No: 2451-99-038
DATE: 03/26/2021

SHEET No: **C3.03**
Rev. #: **3**

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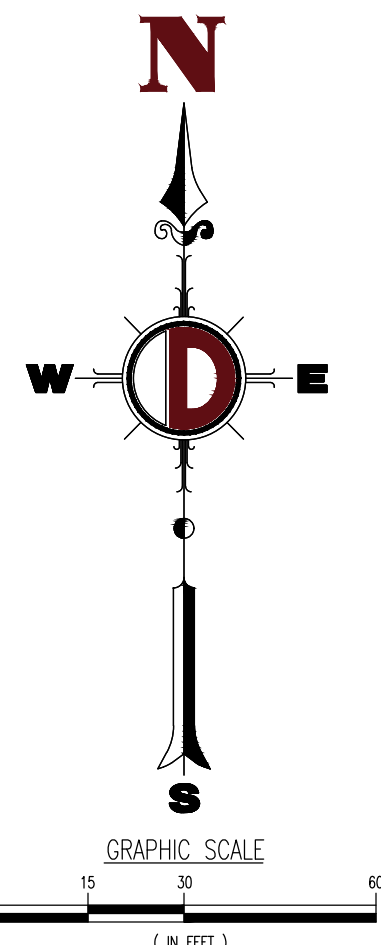


HYDRANT FLOW TEST

THE FLOW HYDRANT LOCATION: HERLONG RD 895' E OF
NORMANDY BLVD (58933)
DATE TESTED: 03/22/2021
THE FLOW RESIDUAL HYDRANT LOCATION: NORMANDY
BLVD 360' W OF GARDIAN DR (1714)
NUMBER OF PORTS: 2
DIAMETER OF PORTS (INCH): 2.5
PILOT PRESSURE (PSI): 15
STATIC PRESSURE (PSI): 55
RESIDUAL PRESSURE (PSI): 43
THE FOLLOWING COMPUTATIONAL RESULTS BASED ON THE
ABOVE VARIABLES AND NFPA SECTION 291 (2002)
EDITION ARE AS FOLLOWS:
FLOW AT TEST (GPM): 1307
FLOW AT 20 PSI (GPM): 2330

LEGEND:

- S S --- PROP. SANITARY LATERAL PIPE
- FM FM --- PROP. SANITARY FORCE MAIN
- W W --- PROP. WATER SERVICE
- 12" WL --- PROP. 12" WATER MAIN
- FS --- PROP. 6" FIRE SERVICE
- W W --- EXISTING 12" WATER MAIN
- OH OH --- EXISTING OVERHEAD UTILITY LINES
- S S --- EXISTING SANITARY SEWER
- PROPOSED DRAINAGE PIPE
- PROPOSED DRAINAGE STRUCTURE



PIPE CROSSINGS

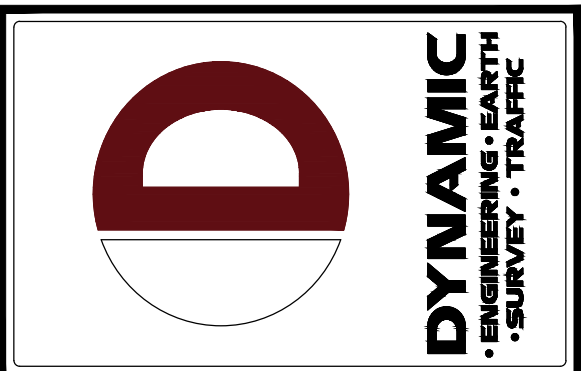
CROSSING #	TOP UTILITY	BOTTOM UTILITY	CLEARANCE	GROUND ELEVATION	COVER
PIPE CROSSING #1	EXISTING 12" RCP STORM (BOTTOM OF PIPE ELEV. 74.61)	PROPOSED 12" DR-18 WATER MAIN (TOP OF PIPE ELEV. 73.50)	1.11'	78.89	2.94' (EX)
PIPE CROSSING #2	EXISTING 15" RCP STORM (BOTTOM OF PIPE ELEV. 74.76)	PROPOSED 12" DR-18 WATER MAIN (TOP OF PIPE ELEV. 73.50)	1.26'	78.50	2.11' (EX)
PIPE CROSSING #3	EXISTING 15" RCP STORM (BOTTOM OF PIPE ELEV. 73.10)	PROPOSED 12" DR-18 WATER MAIN (TOP OF PIPE ELEV. 72.00)	1.10'	77.65	2.82' (EX)
PIPE CROSSING #4	EXISTING 1.25" GAS SERVICE (BOTTOM OF PIPE ELEV. 73.04)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV. 70.30)	2.74'	75.69	2.51'
PIPE CROSSING #5	EXISTING 2" FIBER OPTIC SERVICE (BOTTOM OF PIPE ELEV. 73.00)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV. 70.30)	2.70'	76.47	3.27'
PIPE CROSSING #6	EXISTING 10" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV. 71.55)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV. 70.30)	1.25'	76.50	4.00'
PIPE CROSSING #7	EXISTING 1.25" GAS SERVICE (BOTTOM OF PIPE ELEV. 72.45)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV. 71.30)	1.15'	75.20	2.61'
PIPE CROSSING #8	EXISTING 2" FIBER OPTIC SERVICE (BOTTOM OF PIPE ELEV. 72.32)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV. 71.30)	1.02'	75.73	3.21'
PIPE CROSSING #9	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV. 71.83)	EXISTING 10" PVC SANITARY FORCE MAIN (TOP OF PIPE ELEV. 70.55)	1.28'	75.82	3.42'
PIPE CROSSING #10	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV. 73.23)	PROPOSED 2" PVC SANITARY FORCE MAIN (TOP OF PIPE ELEV. 72.50)	0.73'	78.00	4.20'
PIPE CROSSING #11	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV. 74.84)	PROPOSED 2" PVC SANITARY FORCE MAIN (TOP OF PIPE ELEV. 72.50)	2.34'	78.25	3.25'
PIPE CROSSING #12	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV. 75.83)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV. 74.64)	1.29'	79.70	3.20'
PIPE CROSSING #13	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV. 75.84)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV. 74.69)	1.15'	79.40	3.40'
PIPE CROSSING #14	PROPOSED 2" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV. 75.80)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV. 74.71)	1.09'	79.32	3.32'
PIPE CROSSING #15	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV. 75.83)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV. 74.90)	1.03'	79.80	3.30'
PIPE CROSSING #16	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV. 76.06)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV. 74.84)	1.22'	79.40	3.40'
PIPE CROSSING #17	PROPOSED 2" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV. 75.80)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV. 74.80)	1.00'	79.45	3.45'
PIPE CROSSING #18	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV. 75.83)	PROPOSED 4" PVC SANITARY LATERAL (TOP OF PIPE ELEV. 74.83)	1.10'	80.30	3.80'
PIPE CROSSING #19	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV. 76.34)	PROPOSED 4" PVC SANITARY LATERAL (TOP OF PIPE ELEV. 74.78)	1.56'	80.22	3.72'
PIPE CROSSING #20	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV. 75.83)	PROPOSED 1.5" PE WATER SERVICE (TOP OF PIPE ELEV. 74.80)	1.13'	80.25	3.75'
PIPE CROSSING #21	EXISTING 8" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV. 72.57)	PROPOSED 18" RCP STORM (TOP OF PIPE ELEV. 71.53)	1.04'	76.64	3.35'

JEA UTILITY NOTES

- ALL WATER, RECLAIMED WATER, AND SANITARY WASTEWATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST JEA WATER AND WASTEWATER STANDARDS MANUAL, ALL APPLICABLE LOCAL AND STATE REGULATORY RULES & REGULATIONS AND OTHER APPLICABLE JEA RULES.
- ALL WATER, RECLAIMED WATER, AND WASTEWATER CONSTRUCTION SHALL BE PROVIDED BY A CONTRACTOR QUALIFIED, AS REQUIRED UNDER THE CURRENT FLORIDA STATUTE, OR BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489 FS.
- THE APPLICANT SHALL BE RESPONSIBLE FOR OBTAINING CITY OR COUNTY RIGHT-OF-WAY PERMITS FOR WORK IN THE CITY R/W, COUNTY R/W OR A FOOT PERMIT FOR WORK IN THE FOOT R/W.
- THE APPLICANT SHALL CONTACT THE JEA, AND SCHEDULE A PRE-CONSTRUCTION MEETING, TO BE HELD PRIOR TO INITIATING THE JEA WATER AND WASTEWATER UTILITY WORK, INCLUDING ALL UTILITY MAIN TAPS BY THE CONTRACTOR.
- JEA WATER AND WASTEWATER TAP FEES, JEA WATER AND SEWER CAPACITY FEES, AND JEA METER FEES SHALL BE PAID PRIOR TO THE WATER METER INSTALLATION. WATER METERS WILL NOT BE INSTALLED PRIOR TO THE ISSUANCE OF REQUIRED ACCEPTANCE (TRANSFER OF OWNERSHIP) DOCUMENTS, WHICH MAY INCLUDE THE ISSUANCE OF A REGULATORY CLEARANCE LETTER (COC) FOR THE WATER AND WASTEWATER IMPROVEMENTS, COMPLETION, AND APPROVAL OF FINAL INSPECTION AND APPROVED AS-BUILT DRAWINGS.
- FINAL CONNECTION TO THE JEA SYSTEM MAY BE CONTINGENT UPON WHEN THE CONSTRUCTION, DECOMMISSION, AND FINAL ACCEPTANCE (TRANSFER OF OWNERSHIP/MAINTENANCE) OF THE JEA OFF-SITE UTILITIES.
- THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS FOR THE WATER, RECLAIMED WATER, AND WASTEWATER IMPROVEMENTS SHALL CONFORM TO THE LATEST JEA AND FDEP RULES. THE MINIMUM HORIZONTAL SEPARATION REQUIREMENTS BETWEEN THE PROPOSED WATER AND WASTEWATER UTILITIES AND PONDS OR STRUCTURES SHALL CONFORM TO THE LATEST JEA WATER AND WASTEWATER STANDARDS MANUAL.
- WATER AND WASTEWATER PIPES LESS THAN 24-INCHES IN DIAMETER SHALL BE CONSTRUCTED WITH A MINIMUM 30-INCHES COVER IN UNPAVED OR SIDEWALK AREAS AND A MINIMUM OF 36-INCHES COVER IN PAVED AREAS. THE MAXIMUM COVER FOR UTILITIES, BOTH OPEN CUT AND UTILIZING HORIZONTAL DIRECTIONAL DRILL METHODS, SHALL COMPLY WITH THE LATEST JEA WATER AND WASTEWATER STANDARDS MANUAL.
- WATER AND WASTEWATER PRESSURE MAINS AND SERVICES SHALL PASS A JEA PRESSURE AND LEAKAGE TEST AT 150-PSI MINIMUM, OR TWO TIMES OPERATING PRESSURE, FOR TWO HOURS. IN ADDITION, WATER MAINS SHALL BE DISINFECTED AND PASS A BACTERIOLOGICAL ANALYSIS. ALL TESTS SHALL CONFORM TO JEA AND FDEP RULES, REGULATIONS, AND AWWA C-651. THE JEA INSPECTOR SHALL BE NOTIFIED 72-HOURS (MIN) PRIOR TO PERFORMING THESE TESTS. NO FINAL CONNECTION(S) TO EXISTING POTABLE WATER MAINS SHALL BE MADE UNTIL THE NEW MAIN IS PRESSURE TESTED, DISINFECTED, AND CLEARED FOR SERVICE.
- IN THE AREAS WHERE SOLVENT CONTAMINATION IS FOUND IN THE TRENCH, WORK SHALL BE STOPPED AND THE PROPER REGULATORY AUTHORITIES NOTIFIED. A REVISED CONSTRUCTION PLAN SHALL BE APPROVED BY JEA AND FDEP THAT COMPLES WITH ALL REGULATORY RULES. THE REVISED CONSTRUCTION PLAN FOR THE JEA WATER MAIN SYSTEM, INCLUDING WATER SERVICE LINES, MAY INVOLVE GALVANIZED OR DUCTILE IRON PIPE WITH SPECIAL SOLVENT RESISTANT (FLUOROCARBON TYPE) GASKETS THAT EXTEND 100-FEET BEYOND THE CONTAMINATED AREAS.
- THE CONTRACTOR SHALL MINIMIZE SERVICE INTERRUPTIONS TO EXISTING JEA WATER AND WASTEWATER CUSTOMERS. IF JEA APPROVES A SERVICE INTERRUPTION, THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING THE AFFECTED CUSTOMERS IN ACCORDANCE WITH THE LATEST JEA RULES.
- RESIDENTIAL SERVICES USING RECLAIMED WATER FOR IRRIGATION MUST HAVE A JEA APPROVED BACKFLOW PREVENTER INSTALLED ON EACH POTABLE WATER SERVICE PRIOR TO THE INSTALLATION OF A JEA RECLAIMED WATER METER. THE INSTALLATION OF A BACKFLOW PREVENTER SHALL BE IN ACCORDANCE WITH THE JEA RULES AND REGULATIONS FOR WATER, SEWER, AND RECLAIMED WATER SERVICES, APPENDIX B, CROSS CONNECTION CONTROL POLICY.
- FOR DEVELOPMENTS UTILIZING RECLAIMED WATER, A JEA APPROVED RECLAIMED WATER STORAGE PLAN SHALL BE IMPLEMENTED PRIOR TO THE INSTALLATION OF THE RECLAIMED WATER METERS.
- ALL BACKFLOW PREVENTERS SHALL BE IN ACCORDANCE WITH JEA CROSS CONNECTION PROGRAM. BACKFLOW PREVENTERS MUST BE TESTED AFTER INSTALLATION BY A CERTIFIED TESTER AND ANNUALLY THEREAFTER. JEA CONTACT: PERMITTING 904-665-7988.
- BACKFLOW PREVENTERS ON FIRE LINES OR COMBINATION FIRE/POTABLE MAINS SHALL HAVE FREEZE PROTECTION.

GENERAL UTILITY NOTES

- CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING AND PROPOSED UTILITIES WHEN CONSTRUCTING NEW UTILITIES.
- CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY PIPE AND FITTINGS TO TRANSITION PIPE MATERIALS WHEN REQUIRED.
- ALL MANHOLES, VALVES, CLEANOUTS AND OTHER SUCH BOXES IN PAVEMENT OR SIDEWALK SHALL BE SET FLUSH WITH PAVEMENT TO MATCH THE PROPOSED SLOPE AND SHALL BE H-20 TRAFFIC RATED.
- ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER, OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF JACKSONVILLE STANDARD DETAILS.
- NO PROPOSED IMPROVEMENTS, BUILDINGS OR ANY KIND OF CONSTRUCTION CAN BE PLACED ON OR WITHIN ANY WATER, SEWER, OR DRAINAGE EASEMENTS, UNLESS APPROVED BY THE CITY OF JACKSONVILLE CITY ENGINEER.
- NO PROPOSED STRUCTURES SHALL BE INSTALLED WITHIN A HORIZONTAL DISTANCE OF 10-FEET FROM ANY EXISTING OR PROPOSED WATER, SEWER, OR DRAINAGE FACILITIES, UNLESS APPROVED BY THE CITY OF JACKSONVILLE CITY ENGINEER.
- ALL WATER MAINS SHALL HAVE A MINIMUM 36" COVER OVER THE TOP OF THE PIPE UNLESS OTHERWISE NOTED.
- ALL FITTINGS FOR WATER MAIN AND FIRE MAIN SHALL BE DUCTILE IRON MECHANICAL JOINT FITTINGS UNLESS OTHERWISE NOTED OR SPECIFIED IN CITY OF JACKSONVILLE DETAILS.
- PIPE DEFLECTION OF WATER MAIN AND FIRE MAIN SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL COORDINATE UNDERGROUND ELECTRIC SERVICE CONNECTION WITH FPL FOR CONDUIT SIZE AND BURIED DEPTH REQUIREMENT.
- THE CITY OF JACKSONVILLE UTILITIES DIVISION MUST BE GIVEN AT LEAST 48 HOURS NOTIFICATION PRIOR TO ANY SHUT-DOWN AND/OR REMOVAL OF EXISTING WATER MAIN OR SANITARY SEWER LINES.
- A MINIMUM HORIZONTAL DISTANCE OF 10 FEET MUST BE PROVIDED BETWEEN WATER MAINS AND STORM OR SANITARY SEWERS.
- PROPOSED WATER IMPROVEMENTS IN PRIVATE PROPERTY SHALL MEET DUVAL COUNTY HEALTH DEPARTMENT SEPARATION REQUIREMENTS, THESE CONFLICTS WILL BE ADDRESS DURING CONSTRUCTION AND WON'T AFFECT THE PUBLIC SAFETY.
- CITY MAINTAINED UTILITIES WILL NEED TO BE TESTED AND PROTECTED (IE. PAVED AT LEAST UP TO FIRST LIFT, IF NOT ROADWAY) PRIOR TO ISSUANCE OF CERTIFICATION OF OCCUPANCY.
- ALL 6" W/M SHALL BE C-900 PVC, 8" GRAVITY SEWER SHALL BE PVC SDR-26 UNLESS OTHERWISE SPECIFIED.
- ALL NEW FIRE HYDRANTS SHALL HAVE "OUT OF SERVICE" SIGNS AFFIXED AT TIME OF INSTALLATION. SIGNS SHALL REMAIN IN PLACE UNTIL THE WATER SYSTEM IS CLEARED FOR USE.



REV	DATE	COMMENTS	BY
3	07/07/21	AGENCY COMMENTS	SM
2	06/27/21	AGENCY COMMENTS	KAK
1	06/18/21	FOOT ACCESS COMMENTS	KAK

THIS PLAN SET IS FOR PERMITTING PURPOSES
ONLY AND MAY NOT BE USED FOR CONSTRUCTION

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUVAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 25S RANGE 25E

CHECKED BY: _____
APPROVED BY: _____
KAK

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Houston, Texas • 1.281.789.4402
Dallas, Texas • 1.512.443.9461
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Florida Certificate of Authorization No. 32535

www.dynamicce.com

MICHAEL D. MILES
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE: **UTILITY PLAN A**

SCALE: (H) AS SHOWN
(V) NOTED
DATE: 03/26/2021
PROJECT No: 2451-99-038

SHEET No: **C4.00**
Rev. #: **3**

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF
ENGINEERS, DESIGNERS, OR ANY PERSON
RESPONDING TO "DESIGNING THE GARDEN'S
SURFACE ANYWHERE IN ANY STATE"

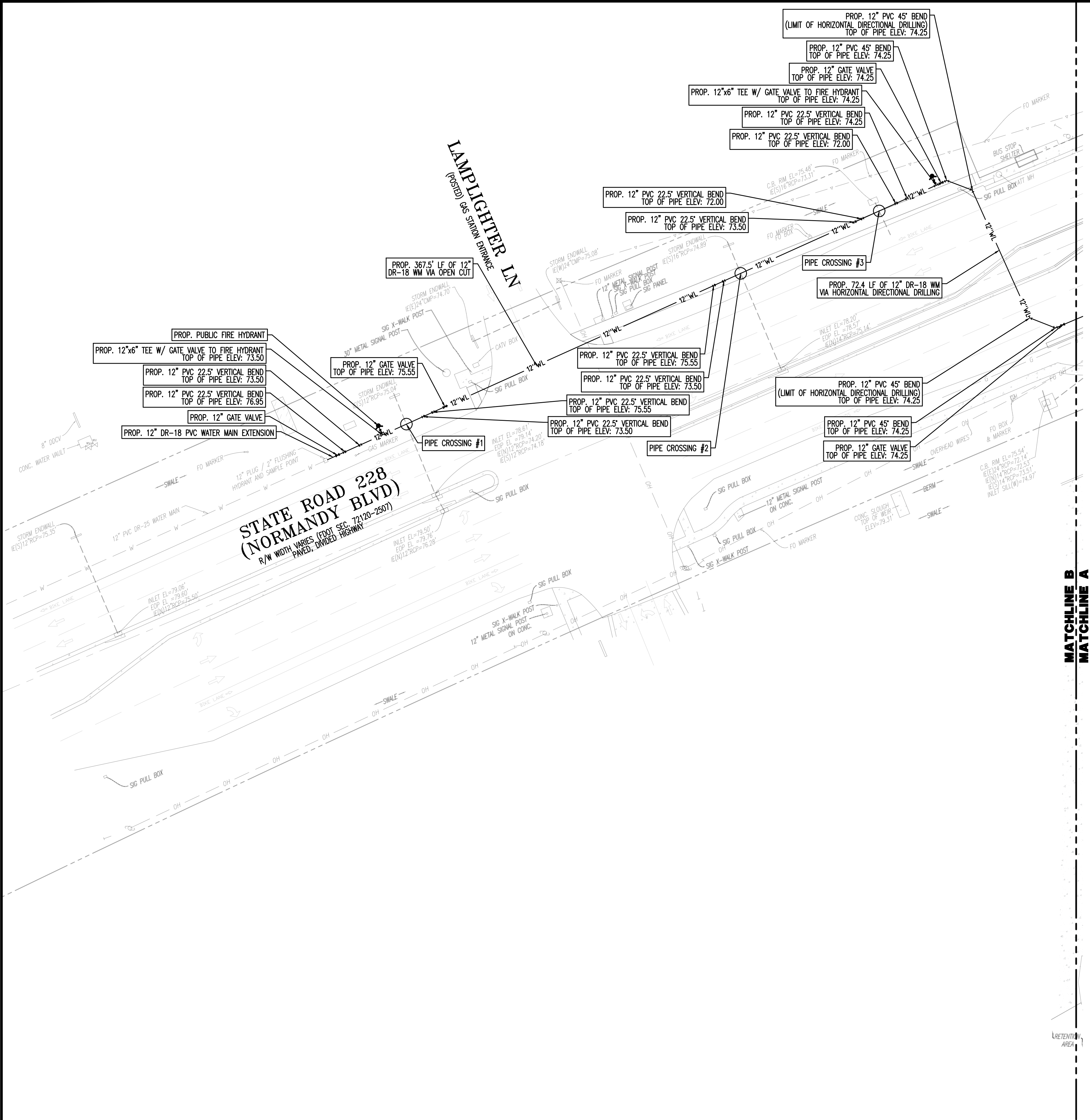
811
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Plotted: 08/23/21 - 4:19 PM, By: smcdermott
File: F:\pccp projects\2451\miles\miller\99-036\99-036.tac Jacksonville west\Drawg\Plan Sheets\045199030503.0.dwg ----> C4.01 UTILITY PLAN B



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RESPONSIBLE TO "DIGGING THE EARTH'S
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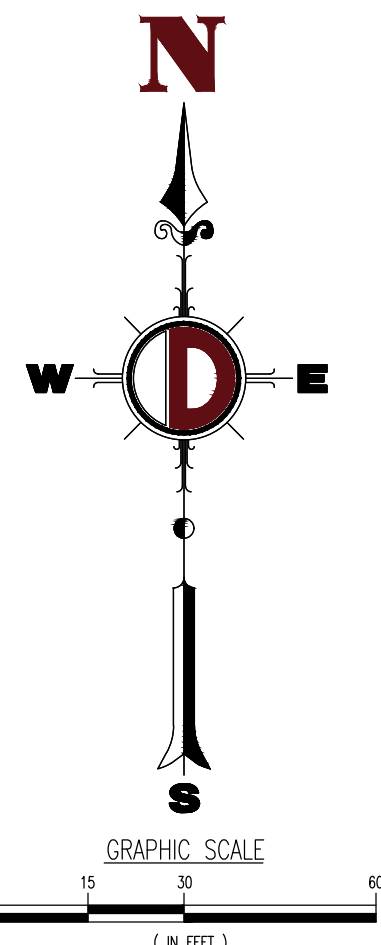
HYDRANT FLOW TEST

THE FLOW HYDRANT LOCATION: HERLONG RD 895' E OF
NORMANDY BLVD (588330)
DATE TESTED: 03/22/2021
THE STATIC RESIDUAL HYDRANT LOCATION: NORMANDY
BLVD 365' W OF GUARDIAN DR (1714)
NUMBER OF PORTS: 2
DIAMETER OF PORTS (NCH): 2.5
PILOT PRESSURE (PSI): 15
STATIC PRESSURE (PSI): 55
RESIDUAL PRESSURE (PSI): 43

THE FOLLOWING COMPUTATIONAL RESULTS BASED ON THE
ABOVE VARIABLES AND NEPA SECTION 291 (2002)
EDITION ARE AS FOLLOWS:
FLOW AT TEST (GPM): 1307
FLOW AT 20 PSI (GPM): 2330

LEGEND:

- S S - PROP. SANITARY LATERAL PIPE
- FM FM - PROP. SANITARY FORCE MAIN
- W W - PROP. WATER SERVICE
- 12"WL - PROP. 12" WATER MAIN
- OH W - EXISTING 12" WATER MAIN
- OH OH - EXISTING OVERHEAD UTILITY LINES
- S S - EXISTING SANITARY SEWER
- - PROPOSED DRAINAGE PIPE
- - PROPOSED DRAINAGE STRUCTURE



PIPE CROSSINGS

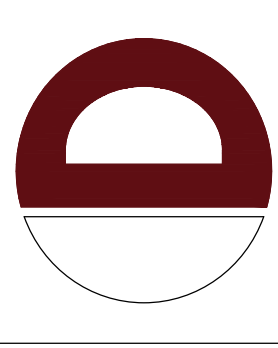
CROSSING #	TOP UTILITY	BOTTOM UTILITY	CLEARANCE	GROUND ELEVATION	COVER
PIPE CROSSING #1	EXISTING 12" RCP STORM (BOTTOM OF PIPE ELEV: 74.61)	PROPOSED 12" DR-18 WATER MAIN (TOP OF PIPE ELEV: 73.50)	1.11'	78.89	2.94' (EX)
PIPE CROSSING #2	EXISTING 15" RCP STORM (BOTTOM OF PIPE ELEV: 74.76)	PROPOSED 12" DR-18 WATER MAIN (TOP OF PIPE ELEV: 73.50)	1.26'	78.50	2.11' (EX)
PIPE CROSSING #3	EXISTING 15" RCP STORM (BOTTOM OF PIPE ELEV: 73.10)	PROPOSED 12" DR-18 WATER MAIN (TOP OF PIPE ELEV: 72.00)	1.10'	77.65	2.82' (EX)
PIPE CROSSING #4	EXISTING 1.25" GAS SERVICE (BOTTOM OF PIPE ELEV: 73.04)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV: 70.30)	2.74'	75.69	2.51'
PIPE CROSSING #5	EXISTING 2" FIBER OPTIC SERVICE (BOTTOM OF PIPE ELEV: 73.00)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV: 70.30)	2.70'	76.47	3.27'
PIPE CROSSING #6	EXISTING 10" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV: 71.55)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV: 70.30)	1.25'	76.50	4.00'
PIPE CROSSING #7	EXISTING 1.25" GAS SERVICE (BOTTOM OF PIPE ELEV: 72.45)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV: 71.30)	1.15'	75.20	2.61'
PIPE CROSSING #8	EXISTING 2" FIBER OPTIC SERVICE (BOTTOM OF PIPE ELEV: 72.32)	PROPOSED 6" DIP WATER SERVICE (TOP OF PIPE ELEV: 71.30)	1.02'	75.73	3.21'
PIPE CROSSING #9	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV: 71.83)	EXISTING 10" PVC SANITARY FORCE MAIN (TOP OF PIPE ELEV: 72.50)	1.28'	75.82	3.42'
PIPE CROSSING #10	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV: 73.23)	PROPOSED 2" PVC SANITARY FORCE MAIN (TOP OF PIPE ELEV: 72.50)	0.73'	78.00	4.20'
PIPE CROSSING #11	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV: 74.84)	PROPOSED 2" PVC SANITARY FORCE MAIN (TOP OF PIPE ELEV: 72.50)	2.34'	78.25	3.25'
PIPE CROSSING #12	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV: 75.83)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV: 74.64)	1.29'	79.70	3.20'
PIPE CROSSING #13	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV: 75.84)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV: 74.69)	1.15'	79.40	3.40'
PIPE CROSSING #14	PROPOSED 2" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV: 75.80)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV: 74.71)	1.09'	79.32	3.32'
PIPE CROSSING #15	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV: 75.83)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV: 74.90)	1.03'	79.80	3.30'
PIPE CROSSING #16	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV: 76.06)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV: 74.84)	1.22'	79.40	3.40'
PIPE CROSSING #17	PROPOSED 2" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV: 75.80)	PROPOSED 15" HDPE STORM (TOP OF PIPE ELEV: 74.80)	1.00'	79.45	3.45'
PIPE CROSSING #18	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV: 75.83)	PROPOSED 4" PVC SANITARY LATERAL (TOP OF PIPE ELEV: 74.83)	1.10'	80.30	3.80'
PIPE CROSSING #19	PROPOSED 1.5" PE WATER SERVICE (BOTTOM OF PIPE ELEV: 76.34)	PROPOSED 4" PVC SANITARY LATERAL (TOP OF PIPE ELEV: 74.78)	1.56'	80.22	3.72'
PIPE CROSSING #20	PROPOSED 6" DIP WATER SERVICE (BOTTOM OF PIPE ELEV: 75.83)	PROPOSED 1.5" PE WATER SERVICE (TOP OF PIPE ELEV: 74.80)	1.13'	80.25	3.75'
PIPE CROSSING #21	EXISTING 8" PVC SANITARY FORCE MAIN (BOTTOM OF PIPE ELEV: 72.57)	PROPOSED 18" RCP STORM (TOP OF PIPE ELEV: 71.53)	1.04'	76.64	3.35'

JE A UTILITY NOTES

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- FINAL CONNECTION TO THE JE A SYSTEM MAY BE CONTINGENT UPON THE CONSTRUCTION, OCCUPATION, AND FINAL ACCEPTANCE (TRANSFER OF OWNERSHIP/MAINTENANCE) OF THE JE A OFF-SITE UTILITIES.
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• SURVEY • TRAFFIC

NO.	DATE	BY
1	08/18/21	KAK
2	08/21/21	KAK
3	07/07/21	SSM

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ONLY AND MAY NOT BE USED FOR CONSTRUCTION

DESIGNED BY: _____
CHECKED BY: _____
APPROVED BY: _____

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE, FLORIDA 32246
SECTION 33 TOWNSHIP 25, RANGE 25E

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Florida Certificate of Authorization No. 32535
www.dynamicce.com

MICHAEL D. MILES

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE:
UTILITY PLAN B

SCALE: (H) AS SHOWN
(V) NOTED
DATE: 03/26/2021
PROJECT No: 2451-99-038

SHEET No: **C4.01**
Rev. #: **3**

Plotted: 09/23/21 - 4:19 PM, By: smcdormott
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SEPARATION REQUIREMENTS FOR WATER, WASTEWATER AND RECLAIMED WATER MAINS PLATE S-26

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CONFLICTING UTILITY	PROPOSED UTILITY									
	POTABLE WATER		WASTEWATER GRAVITY AND FORCE MAIN		RECLAIMED WATER		VACUUM SEWERS			
	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.
POTABLE WATER	3'	12"	3' NOTE 1	6" to 10'	12"	3' NOTE 2	3'	12"	3' NOTE 1	3'
RECLAIMED WATER	3'	12"	3' NOTE 2	6" to 10'	12"	3' NOTE 1	3'	12"	3' NOTE 2	3'
WASTEWATER (GRAVITY AND FORCE MAIN)	6" to 10'	12"	3' NOTE 2	6" to 10'	12"	3' NOTE 1	3'	12"	3' NOTE 1	3'
VACUUM SEWERS	3' to 10'	12"	3' NOTE 1	6" to 10'	12"	3' NOTE 2	3'	12"	3' NOTE 2	3'
RIGHT OF WAYS	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	N/A
PERMANENT STRUCTURES (BUILDINGS, SIGNS, POLES, ETC.)	SEE NOTE 7	N/A	N/A	SEE NOTE 7	N/A	N/A	SEE NOTE 7	N/A	N/A	N/A
STORM SEWERS	3' NOTE 1	12"	3' NOTE 2	6" to 10'	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 1	3'
GAS	3' NOTE 1	12"	3' NOTE 2	6" to 10'	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 1	3'
TREES	3'-6" NOTE 6	N/A	N/A	3'-6" NOTE 6	N/A	N/A	3'-6" NOTE 6	N/A	N/A	N/A
ALL OTHER UTILITIES	3' NOTE 1	12"	3' NOTE 2	6" to 10'	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3'

NOTES:

- THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTH, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
- THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION.
- DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY OR STORM WATER MAINHOOD OR STRUCTURES.
- WATER MAIN SHOULD CROSS ABOVE OTHER PIPES WHENEVER POSSIBLE. WHEN WATER MAIN MUST BE BELOW OTHER UTILITY PIPING, THE MINIMUM SEPARATION SHALL BE 12 INCHES.
- REFER TO SECTION 426.11.4.3.
- REFER TO SECTION 426.11.4.2 FOR MINIMUM SEPARATION REQUIREMENTS FROM PIPE TO STRUCTURES.

JANUARY 1, 2021

APPROVED BY: ADN

NOTES ON UTILITY SEPARATION REQUIREMENTS - SEWER PLATE S-27

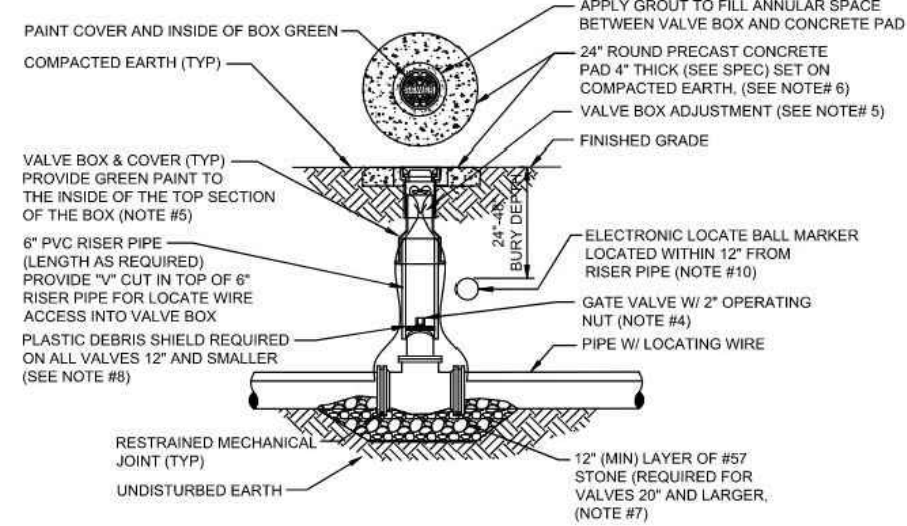
WATER MAIN AND NON-WATER MAIN SEPARATION REQUIREMENTS - NOTES

- IT IS REQUIRED THAT "WATER MAINS" BE INSTALLED, CLEANED, DISINFECTED AND HAVE A SATISFACTORY BACTERIOLOGICAL SURVEY PERFORMED IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS, CHAPTER 9, 905, P.A.C. AND LATEST JEA WATER AND SEWER STANDARDS. FOR THE PURPOSE OF THIS SECTION, THE PHASE WATER MAINS SHALL MEAN MAINS INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING OTHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER, FIRE HYDRANT LEADS, AND SERVICE LINES THAT HAVE AN INSIDE DIAMETER OF THREE (3) INCHES OR GREATER. IN ADDITION, THE PHASE RECLAIMED WATER REFERS TO THE WATER REGULATED UNDER PART #1 OF CHAPTER 904.00, P.A.C.
- NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER.
- NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET AND PREFERABLY TEN (10) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER (SPECIAL CASES).
- NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX (6) INCHES, AND PREFERABLY TWELVE (12) INCHES ABOVE OR AT LEAST TWELVE (12) INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED IN NOTES 4 AND 5 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE. (2) THE WATER MAIN JOINTS SHALL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE (3) FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER, AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER.
- NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SO THAT THE HYDRANTS ARE AT LEAST THREE (3) FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER OR WASTEWATER FORCE MAIN.
- WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE, THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER TO OBTAIN APPROVAL OF ANY ALTERNATIVE CONSTRUCTION METHODS PRIOR TO CONSTRUCTION.

JANUARY 1, 2021

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SEWER VALVE DETAIL PLATE S-30



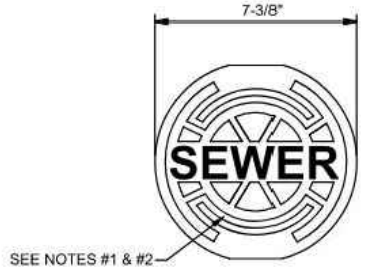
NOTES:

- FOR UNPAVED LOCATIONS, A PRECAST CONCRETE VALVE PAD SHALL BE PROVIDED AND INSTALLED FLUSH WITH THE GRADE. CONCRETE PAD IS NOT REQUIRED FOR VALVE LOCATED IN THE ROADWAY, UNLESS SHOWN OR NOTED OTHERWISE.
- LOCATING WIRE IS REQUIRED ON ALL PRESSURE PIPING (SEE DETAIL S-49).
- A "Y" CUT SHALL BE CARVED IN THE CURB CLOSEST (ASPHALT IF NO CURB) ADJACENT TO ALL BELOW GRADE VALVES. THE "Y" CUT IS TO BE PAINTED GREEN.
- IN PAVED AREAS, INSTALL VALVE AT A DEPTH TO ALLOW A 12" MIN. DISTANCE BETWEEN THE VALVE COVER PLATE AND THE TOP OF THE VALVE OPERATING NUT. OUTSIDE OF PAVED AREAS (GRASS), INSTALL VALVE AT A DEPTH TO ALLOW A 12" MINIMUM DISTANCE BETWEEN THE VALVE COVER AND THE TOP OF THE VALVE OPERATING NUT. OPERATING NUTS IN GRASS SHALL BE PROVIDED (WHERE APPLICABLE) SO THAT THE OPERATING NUT WILL BE NO MORE THAN 30 INCHES BELOW FINISHED GRADE.
- FOR NEW CONSTRUCTION, THE VALVE BOX SHALL BE ADJUSTED TO MONITOR TO ALLOW FOR FUTURE BOX ADJUSTMENTS. ROUTE LOCATE WIRES THRU A "Y" CUT IN THE TOP OF THE 8" PVC RISER PIPE FOR LOCATE WIRE ACCESS INTO VALVE BOX. THE LOCATE WIRES WITH A 24" LONG PIG-TAIL AT THE TOP SHALL BE CONNECTED TOGETHER WITH A USE NUT.
- BRASS IDENTIFICATION TAG INDICATING "SEWER" VALVE SIZE, DIRECTION AND TURNS TO OPEN A VALVE TYPE. PROVIDE A "Y" HOLE IN BRASS TAG AND ATTACH TAG (TWIST WIRE AROUND TAG) TO THE END OF THE LOCATE WIRE. TAGS ARE NOT REQUIRED ON VALVES INSTALLED ON THE HYDRANT BRANCH LINES.
- 1/4" RIB OF PRECAST CONCRETE PAD, A 6" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD W/2" - 4" REBAR AROUND PERIMETER, MAY BE USED.
- GRAVEL SHALL BE PROVIDED UNDER ALL VALVES 20" AND LARGER. THE MINIMUM VERTICAL LIMIT OF GRAVEL IS 12" UNDER THE VALVE UP TO 12" THE OVERALL HEIGHT OF THE VALVE.
- FOR VALVES 12" AND SMALLER, PROVIDE A WHITE OR BLACK PLASTIC DEBRIS SHIELD WHICH IS BELOW THE OPERATING NUT. THIS SHIELD SHALL CENTER THE RISER PIPE BOX OVER THE OPERATING NUT AND MINIMIZE INFILTRATION. SHIELD SHALL BE BY AFC, BOKLOK OR APPROVED EQUAL.
- ALL VALVES SHALL BE NOTIFIED WITH AN ELECTRIC LOCATE MARKER. MARKER SHALL BE 4" DIA. COLOR CODED BALL MARKER (8" 10400R FOR SEWER).

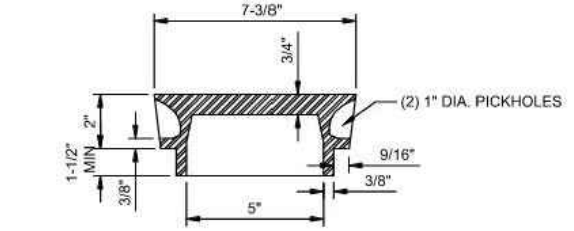
JANUARY 1, 2021

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SEWER SYSTEM VALVE BOX COVER PLATE S-31



HEAVY DUTY RATING



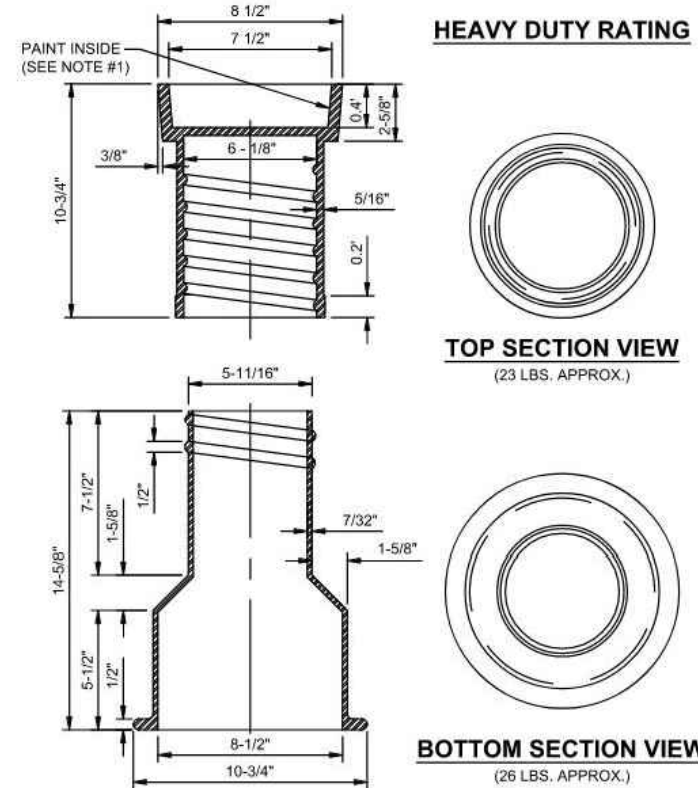
NOTES:

- PAINT TOP OF THE COVER WITH ENAMEL PAINT (GREEN COLOR).
- LID WEIGHT: APPROX. 12 LBS.

JANUARY 1, 2021

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SEWER SYSTEM VALVE BOX PLATE S-32



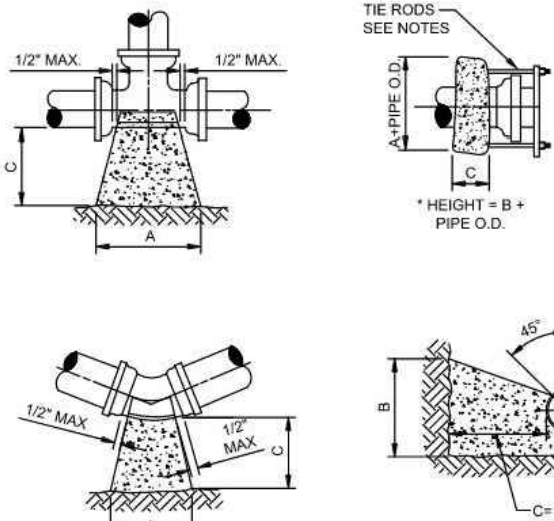
NOTES:

- PAINT THE INSIDE OF THE TOP SECTION OF THE BOX WITH GREEN COLOR.
- HEAVY DUTY RATING (TOTAL WEIGHT APPROX. 50 LBS.).
- REFERENCE SECTION 426.11.4.3.

JANUARY 1, 2021

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THRUST BLOCK SIZE CHART PLATE S-45



THRUST BLOCK FOR TEES & PLUGS			
SIZE	A	B	C
4"	10"	10"	1.78
6"	20"	24"	3.33
8"	20"	32"	5.19
10"	32"	40"	8.89
12"	36"	48"	12.00
14"	40"	56"	15.56
16"	48"	64"	20.00
18"	60"	80"	24.89
20"	60"	72"	33.67
24"	72"	96"	40.00
30"	80"	104"	49.67
36"	116"	104"	65.11

THRUST BLOCK FOR BENDS			
90° BEND	S.F. BEARING SURFACE	45° BEND	S.F. BEARING SURFACE
4"	10"	14"	10"
6"	20"	14"	10"
8"	20"	14"	10"
10"	32"	14"	10"
12"	36"	14"	10"
14"	40"	14"	10"
16"	48"	14"	10"
18"	60"	14"	10"
20"	60"	14"	10"
24"	72"	14"	10"
30"	80"	14"	10"
36"	116"	14"	10"

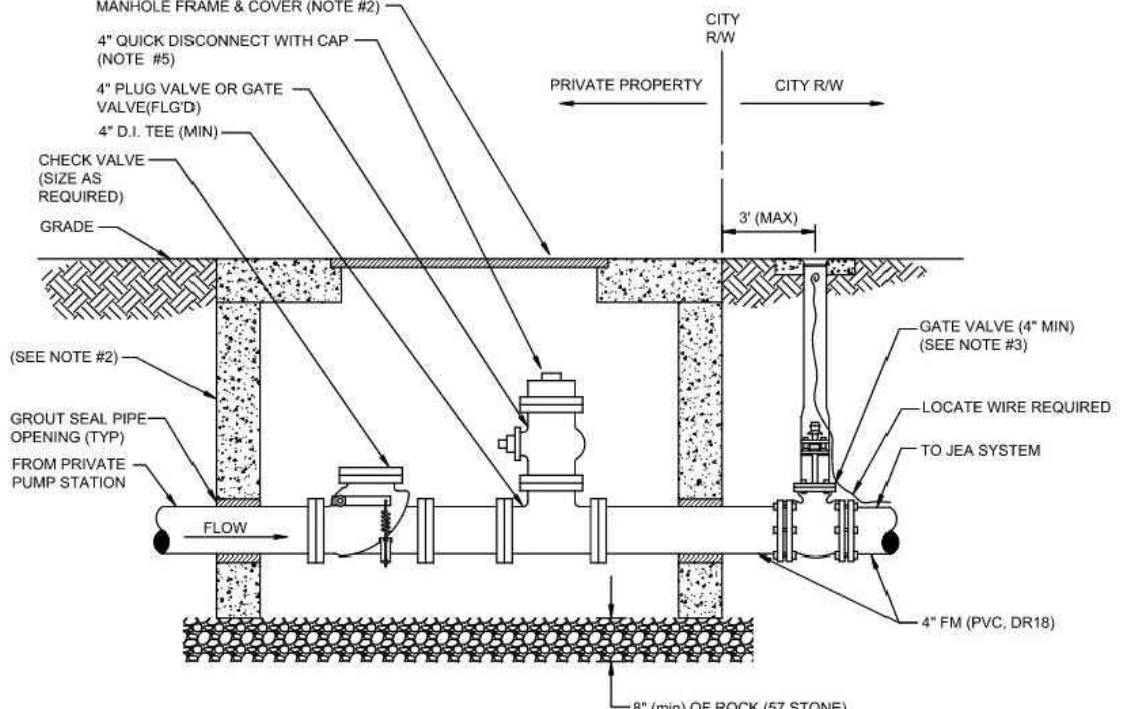
NOTES:

- ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL.
- THESE TABLES SHOW MINIMUM SIZES FOR THRUST BLOCKS IN GOOD SOIL (A-1 THRU A-3, CLEAN SANDS AND GRAVELS) WITH MINIMUM BEARING CAPACITY OF 2000 PSF.
- POOR SOILS (A-4 THRU A-6, SILTY SOILS, CLAYS, MUCK AND PEAT) WILL REQUIRE LARGER THRUST BLOCKING.
- BOTH CONCRETE THRUST BLOCKS AND THE TEES MUST BE USED WHEN, IN THE JUDGMENT OF THE ENGINEER, THE NATURE AND CRITICALITY OF AN INSTALLATION IS SUCH AS TO REQUIRE POSITIVE ASSURANCE OF STABILITY.
- THE USE OF THRUST BLOCKS SHALL BE LIMITED TO SITUATIONS SUCH AS POINT REPAIR WHERE EXPOSING SEVERAL JOINTS OF PIPE IS NOT FEASIBLE DUE TO EXISTING GROUND CONDITIONS.
- CONCRETE COLLARS WITH THE TEES MAY BE USED ON DEAD END LINES AT THE CONTRACTOR'S DISCRETION. NUMBER OF TEES REQUIRED IS AS FOLLOWS:
 - 2" - 4" DIAMETER MAN - 2 TEES REQUIRED PER JOINT (24" ROD)
 - 4" - 6" DIAMETER MAN - 2 TEES REQUIRED PER JOINT (24" ROD)
 - 6" - 8" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 8" - 10" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 10" - 12" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 12" - 14" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 14" - 16" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 16" - 18" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 18" - 20" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 20" - 24" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 24" - 30" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 30" - 36" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 36" - 42" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 42" - 48" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 48" - 54" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
 - 54" - 60" DIAMETER MAN - 4 TEES REQUIRED PER JOINT (24" ROD)
- MAXIMUM TEST PRESSURE TO BE 150 PSI.

JANUARY 1, 2021

APPROVED BY: ADN

PRIVATE PUMP OUT ASSEMBLY PLATE S-46



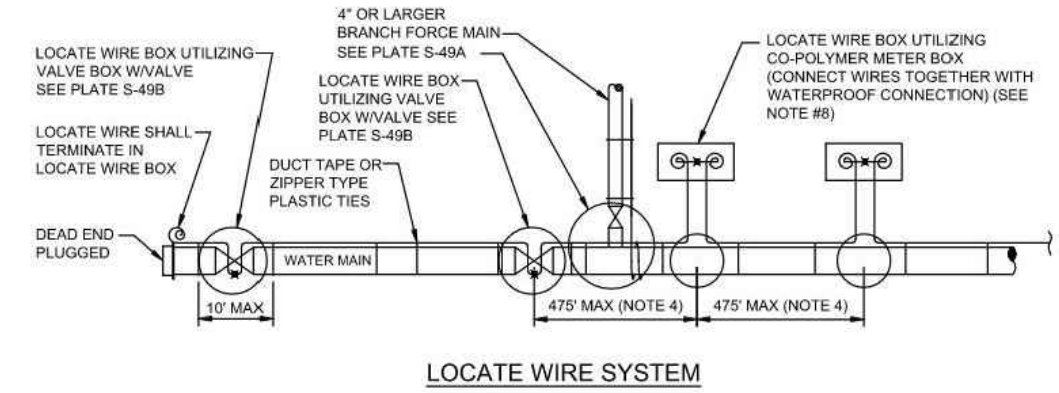
NOTES:

- SEWER PUMP-OUT BOX SHALL BE CONSTRUCTED ON PRIVATE PROPERTY AND LOCATED AT THE R/W LINE. THE PREPARED CONSTRUCTION LAYOUT IS SHOWN ABOVE.
- ASSEMBLY TO BE ENCLOSED WITHIN A 48"x48" (MIN) PRECAST CONCRETE BOX WITH OPEN BOTTOM, WITH 20" RAISED LANDING COVER OR TYPE "A" MANHOLE OPEN BOTTOM WITH FRAME AND COVER (NON-JEA LOGO TYPE COVER).
- A JEA APPROVED GATE VALVE (1" MIN) SHALL BE PROVIDED AT THE R/W LINE FOR ALL FORCE MAIN PIPING WHICH EXCEEDS 15' LINEAR FEET WITHIN THE CITY R/W AREA. THE GATE VALVE, AT THE R/W LINE IS NOT REQUIRED WHERE THE CONNECTION (CONNECTION AT JEA MAN) IS LOCATED ON THE SAME SIDE OF THE STREET AS THE PUMP-OUT BOX (SHOULD SIDE SERVICE) AND CONSIDER OF 15' LINEAR FEET OR LESS WITHIN THE CITY R/W AREA.
- NO CONNECTIONS PERMITTED INTO JEA FORCE MAINS WHICH ARE GREATER THAN 4" WITHOUT PRIOR JEA APPROVAL.
- QUICK DISCONNECT WITH CAP SHALL BE ALUMINUM AND BE POSITIONED DIRECTLY UNDER MANHOLE LID FOR ACCESS.

JANUARY 1, 2021

APPROVED BY: ADN

LOCATE WIRE CONSTRUCTION FOR FORCE MAINS PLATE S-49

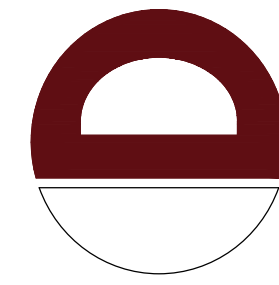


NOTES:

- LOCATING WIRE TO BE INSTALLED IN EITHER THE ONE OR ELEVEN O'CLOCK POSITION ON ALL DUCTILE IRON OR PVC PRESSURE MAINS. LOCATE WIRE SHALL ALSO BE INSTALLED ON ALL HDPE/POLY MAN RFPING (10' OR 11' 0" POSITION, IF POSSIBLE).
- SECURE LOCATING WIRE TO PVC FORCE MAIN BY USE OF DUCT TAPE OR ZIPPER TYPE PLASTIC STRAPS SPACED AT A MAXIMUM DISTANCE OF TEN (10) FEET AND AT EACH SIDE OF BELL JOINT OR FITTING.
- THE ENTIRE LOCATING SYSTEM SHALL BE SUBJECTED TO TESTING TO DETERMINE ITS RELIABILITY, WHERE INSTALLED UNDER PAVEMENT AREAS. TESTING SHALL BE DONE PRIOR TO THE PLACEMENT OF PAVEMENT, UNLESS APPROVED OTHERWISE BY JEA.
- LOCATING WIRE SHALL TERMINATE WITHIN AN ACTIVE VALVE BOX (WITH A VALVE) OR A METER BOX (IF NO VALVE) AT 4'-0" INTERVALS. SEE DETAIL PLATE S-48. WIRE CONNECTIONS BELOW GROUND OUTSIDE OF A BOX SHALL BE AVOIDED.
- LOCATING WIRE SHALL BE 12 GAUGE COPPER WIRE WITH .03 INCHES (MINIMUM) HOPE INSULATION THICKNESS, 5/16" INCHES BAREMIN O.D. NATED BREAK-LOAD STEEL. IF PAVED (RED BURNAL GREEN COLOR, FOR NEW INSTALLATIONS), THE LOCATE WIRE SHALL BE COPPER CODED STEEL AS SPECIFIED IN SPEC. SECTION 759.
- "X" INDICATES THAT THE WIRES ARE CONNECTED TOGETHER WITH WATERPROOF CONNECTION. (SEE DETAIL W-48)
- "X" INDICATES A WIRE PIG-TAIL (24" LONG)
- AN "L" CUT SHALL BE CARVED IN THE CONCRETE CURB AND PAINTED AT ALL LOCATE WIRE BOXES.
- FOUR LINES OF TRAFFIC (HAVING TWO LINES OF TRAFFIC IN EACH DIRECTION) OR GREATER THE LOCATE WIRE AND VALVE BOX SHALL BE OFF-SET TO THE RIGHT-OF-WAY.

JANUARY 1, 2021

APPROVED BY: ADN



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BY	REV	DATE	COMMENTS
3	07/07/21	ADN	AGENCY COMMENTS
2	07/27/21	ADN	AGENCY COMMENTS
1	07/27/21	ADN	FOOT ACCESS COMMENTS

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DESIGNED BY: KAK
CHECKED BY: JCP/NCM
APPROVED BY: AP

PROJECT: HSC JACKSONVILLE WEST, LLC
PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE, FLORIDA 32246
SECTION 33 TOWNSHIP 25S RANGE 25E

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Waco, Texas • 1.512.645.3466
Denton, Texas • 1.561.921.8570
Florida Certificate of Authorization No. 32535
www.dynamiccec.com

MICHAEL D. MILES
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE: UTILITY DETAILS

DATE: 03/26/2021
PROJECT No: 2451-99-038

SHEET No: C4.02
Rev. #: 3

811
PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF
ENGINEERS, DESIGNERS, OR ANY PERSON
RESPONDING TO LOCATING THE GROUND'S
SURFACE ANYWHERE IN ANY STATE
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
WWW.CALL811.COM

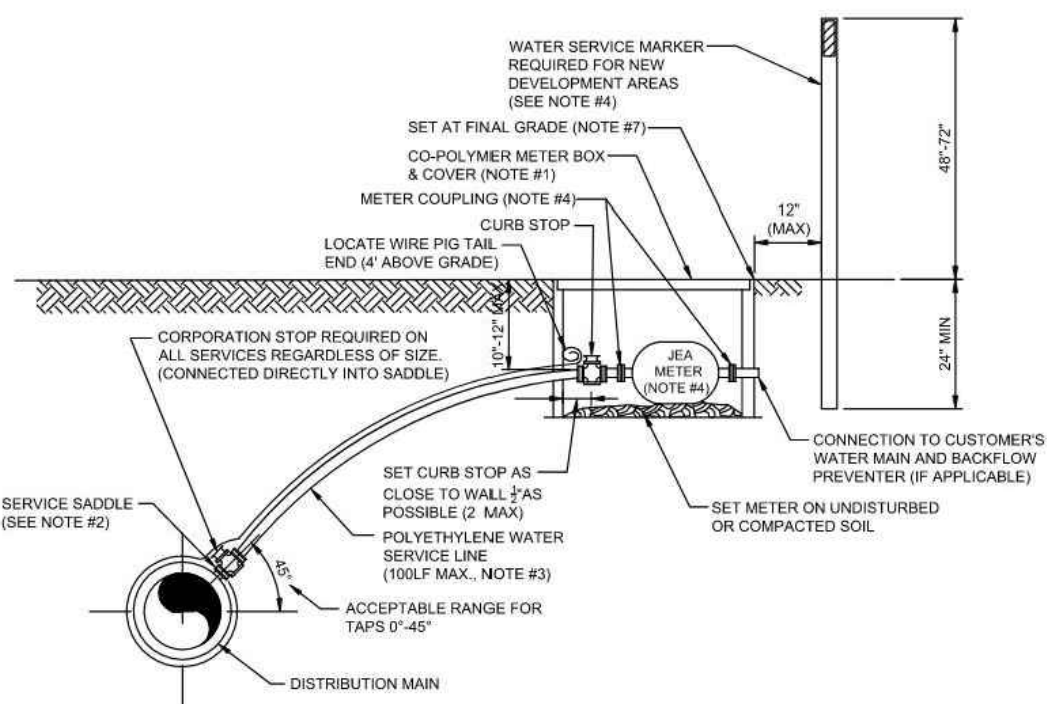
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PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON RESPONDING TO LOCATING THE GROUND'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
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WATER SERVICE DETAIL - 2" AND SMALLER METERS PLATE W-2

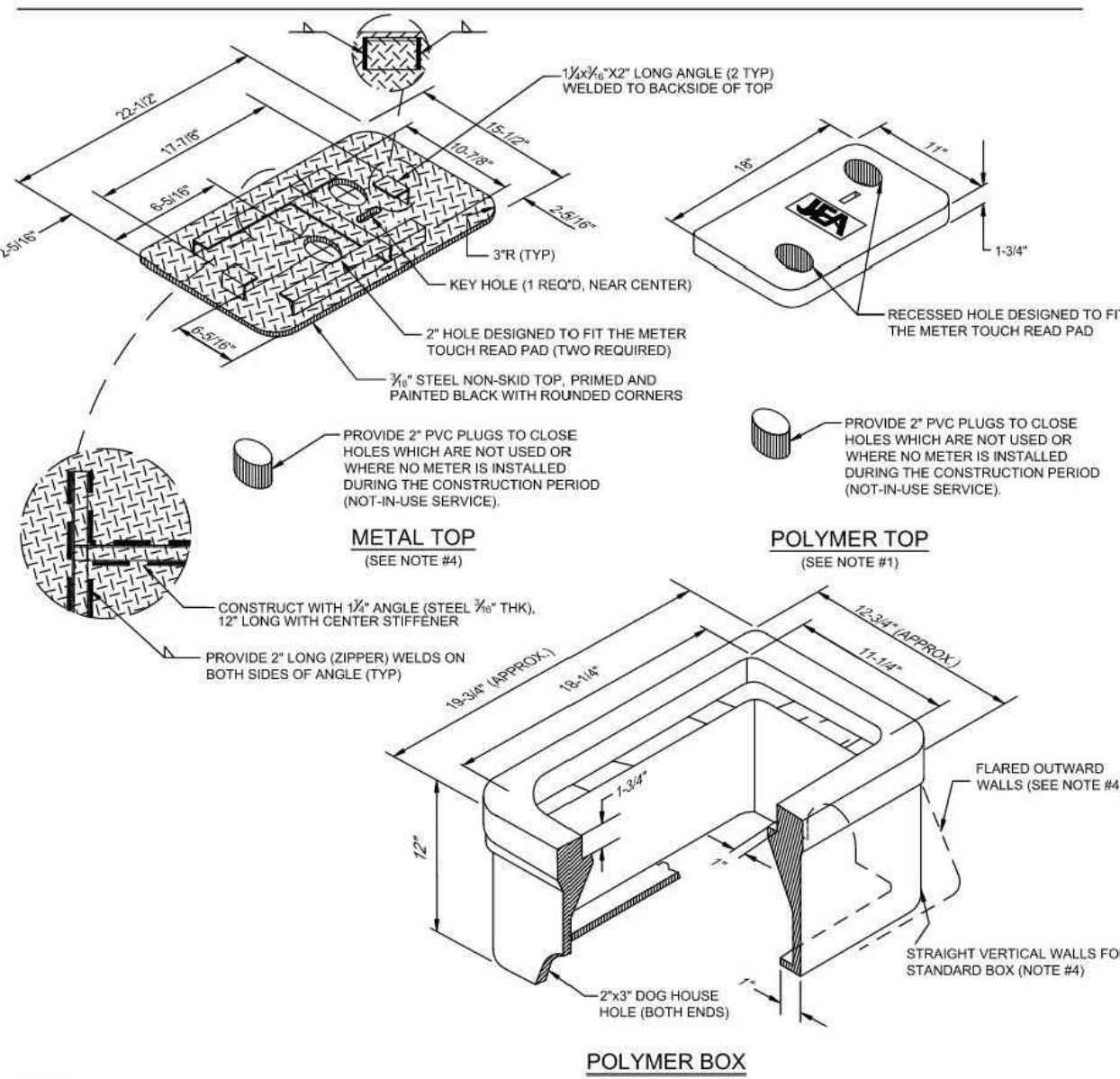


- NOTES:**
- SEE PLATE W-1 FOR METER LOCATION REQUIREMENTS.
 - SINGLE BAND SADDLES SHALL BE UTILIZED ON NEW 1" WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" SIZE OR SMALLER WATER MAIN. NEW WATER MAIN CONSTRUCTION, FOR MET TAPS OR WATER MAINS 12" SIZE AND LARGER, A DOUBLE BAND SADDLE IS REQUIRED. BRASS SADDLES MAY BE UTILIZED ON NEW 1" AND SMALLER WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" INCH OR SMALLER PVC WATER MAIN.
 - NO OPEN CUT UNDER ROADWAY IS ALLOWED UNLESS THE ROADWAY IS BEING RECONSTRUCTED OR IF DIRECTED OTHERWISE BY JEA. CONSTRUCT POLY LINE WITH 2" MIN. COVER UNDER ROADWAYS. THE POLY WATER SERVICE LINE SHALL BE SAME SIZE AS THE METER (1" MINIMUM) AND BE INSTALLED PERPENDICULAR TO THE MAIN AND NOT EXCEED 10' UNLESS APPROVED OTHERWISE BY JEA.
 - INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS NOT IN USE (I.E. IF NO METER IS INSTALLED). WATER SERVICES SERVING VACANT LOTS (SERVICE NOT IN USE) SHALL INCLUDE A 7" CUT INTO THE CURB (CLOSEST TO THE METER BOX) AND PAINTED BLUE (PAINTED PURPLE FOR RECLAIMED WATER). IN AREAS WHERE THE WATER SERVICE IS NOT IN USE, A LANDSCAPE TUBER OR 3/4" MIN. P.T. FOOT POST PAINTED BLUE OR PURPLE FOR RECLAIMED WATER). THE REMOVAL OR TRANSFER OF A WATER SERVICE SHALL INCLUDE BRASS METAL COUPLINGS (JEX ON BARREL TYPE).
 - NO 2" AND SMALLER WATER SERVICE TAPS PERMITTED ON WATER MAINS WHICH ARE 2" AND LARGER SIZE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE METER OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
 - METER BOX AND TOP SHALL BE CLEAR OF ALL DEBRIS TO ALLOW FULL ACCESS TO BOX (i.e. NO DIRT, TRASH OR OTHER DEBRIS PLACED ON TOP OF BOX).
 - LOCATE WIRING REQUIRED ON ALL SERVICES 10' OR GREATER IN LENGTH. SEE PLATE W-4.

JANUARY 1, 2021

APPROVED BY: ADN

WATER METER BOX & COVER FOR 1" AND SMALLER METERS PLATE W-3

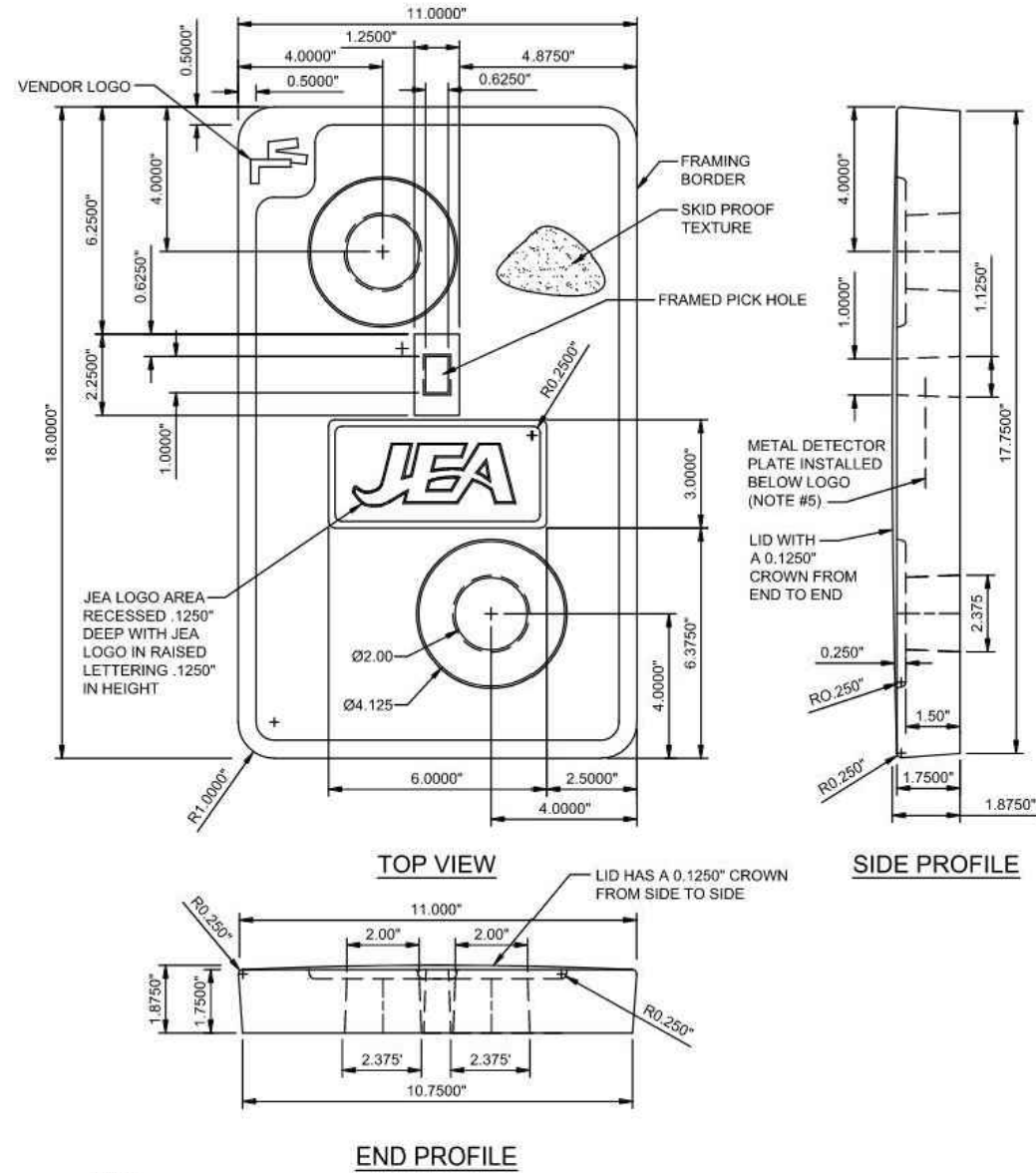


- NOTES:**
- THE STANDARD BOX (A-8 (ASTM C807) LOAD RATING WITH STRAIGHT VERTICAL WALLS) & TOP (A-8 (ASTM C807) - RATINGS WITH STRAIGHT VERTICAL WALLS) SHALL BE MADE OF POLYMER CONCRETE. SIMILAR TO OLD BROOKS SERIES (65). BOX WALLS SHALL BE REINFORCED. THE INSIDE LIP OF THE BOX SHALL BE RATED SAME AS THE BOX. THE ONE HOLE LIDS ARE FOR SPECIAL ORDERS ONLY AND REQUIRE JEA'S APPROVAL PRIOR TO USE.
 - ALL SIZES SHOWN ARE IN INCHES AND ARE APPROXIMATE SIZES.
 - POLYMER BOX APPROXIMATE WEIGHT 20lbs. POLYMER TOP APPROXIMATE WEIGHT 20lbs. SEE CONSTRUCTION DETAILS W-3A (TWO HOLE) AND W-3B (ONE HOLE) FOR MANUFACTURING DETAILS FOR COVERS.
 - UNLESS APPROVED OTHERWISE IN WRITING BY JEA, ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS (NOT IN THE ROADWAY, DRIVEWAYS OR SIDEWALKS). IF AN EXCEPTION TO THIS RULE IS APPROVED BY JEA, THEN THE FOLLOWING SHALL BE PROVIDED:
A. UNDER NO CIRCUMSTANCES SHALL A METER BOX BE LOCATED IN A COMMERCIAL, TRAFFIC AREA.
B. IF AN EXCEPTION IS APPROVED BY JEA, A REINFORCED POLYMER BOX OR REINFORCED POLYMER BOX WITH FLARED OUTWARD WALLS (NOT STRAIGHT WALLS) AND A POLYMER TOP BOX AND TOP SHALL COMPLY WITH A-8 (ASTM C807) LOAD RATING.
C. METAL TOPS MAY BE UTILIZED IF SPECIFICALLY APPROVED BY JEA MANAGER OR JEA METER O&M STAFF.

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WATER METER BOX POLYMER COVER MODEL No. 37 - TWO HOLE PLATE W-3A

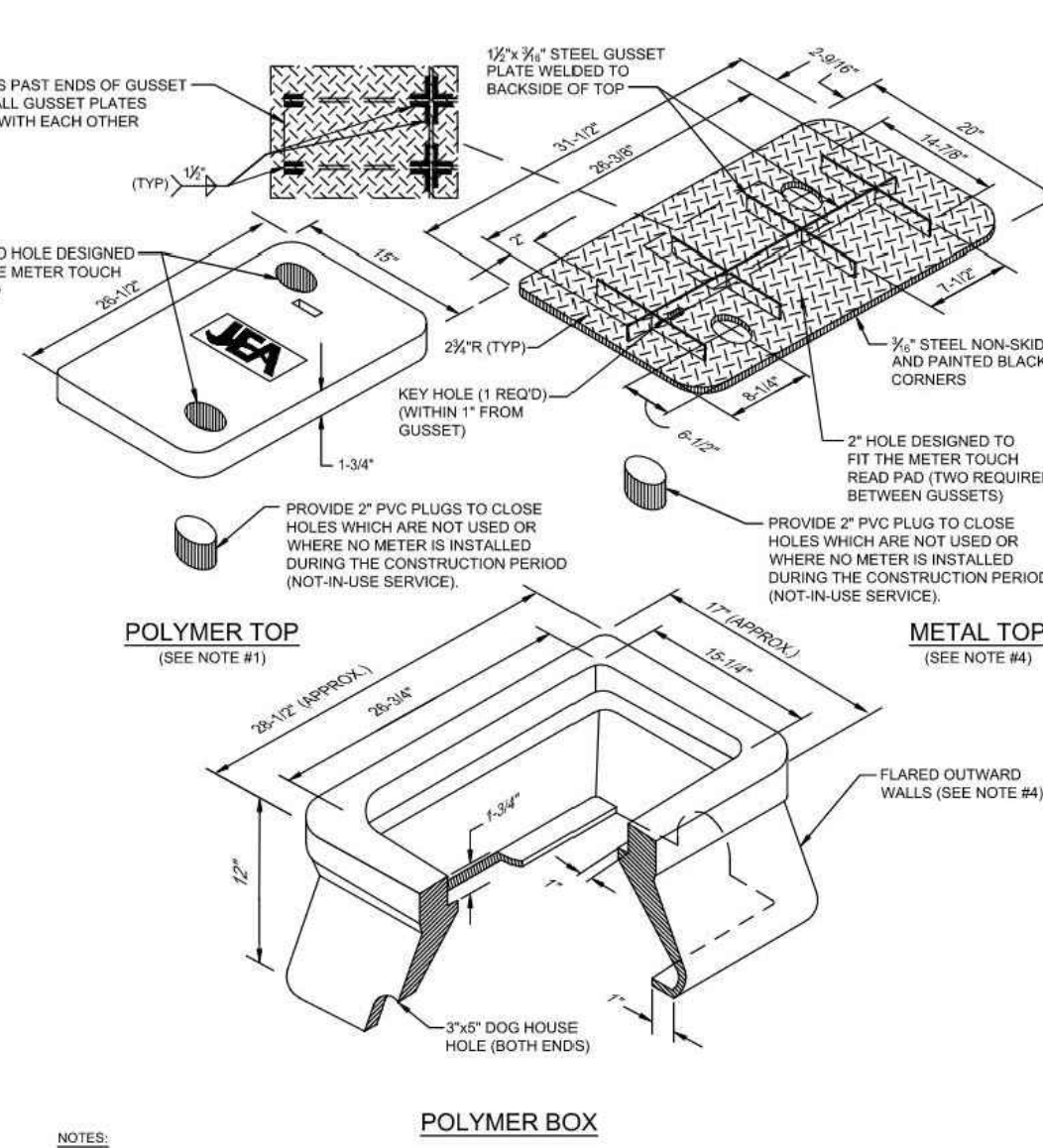


- NOTES:**
- ALL DIMENSIONS ARE IN INCHES.
 - COLOR SHALL BE OFF-WHITE, NON-POROUS, SAND TEXTURED SATIN FINISH.
 - ALL TOPS SHALL MEET A-8 (ASTM C807) LOAD RATING.
 - THE LID SHALL BE CERTIFIED BY CELNET TECHNOLOGY INC. AND SENSUS METERING SYSTEMS TO BE RF COMPATIBLE WITH THE SENSUS MTU.
 - METAL DETECTOR PLATE SHALL BE DETECTABLE BY JEA MAGNETIC LOCATE EQUIPMENT.

JANUARY 1, 2021

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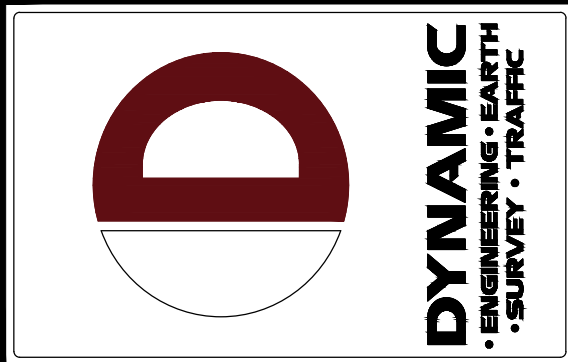
WATER METER BOX & COVER FOR 1-1/2" AND 2" METERS PLATE W-4



- NOTES:**
- THE STANDARD BOX (FLARED OUTWARD WALLS) & TOP (2 HOLE) SHALL BE MADE OF POLYMER CONCRETE. (SIMILAR TO OLD BROOKS SERIES 65). BOX WALLS SHALL BE REINFORCED. BOX, INCLUDING THE INSIDE LIP, AND TOP SHALL MEET A-8 (ASTM C807) LOAD RATING.
 - ALL SIZES SHOWN ARE IN INCHES AND ARE APPROXIMATE SIZES.
 - POLYMER BOX APPROXIMATE WEIGHT 50lbs. POLYMER TOP APPROXIMATE WEIGHT 50lbs. SEE CONSTRUCTION DETAIL W-4A FOR MANUFACTURING DETAIL FOR TWO HOLE COVER.
 - UNLESS APPROVED OTHERWISE IN WRITING BY JEA, ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS (NOT IN THE ROADWAY, DRIVEWAYS OR SIDEWALKS).
 - METAL TOPS MAY BE UTILIZED IF SPECIFICALLY APPROVED BY JEA MANAGER OR JEA METER O&M STAFF.

JANUARY 1, 2021

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REV	DATE	COMMENTS	BY
1	09/28/21	FOOT ACCESS COMMENTS	KAK
2	09/21/21	AGENCY COMMENTS	KAK
3	07/07/21	AGENCY COMMENTS	SSM

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 25S RANGE 25E

DESIGNED BY: **KAK**
CHECKED BY: **JCP/NCM**
APPROVED BY: **ADN**

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100 NE 5th Avenue, Suite B2
Delray Beach, FL 33483
T: 561.921.8570
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Houston, TX: 1.281.789.4402
Austin, TX: 1.512.454.3466
Denver, CO: 1.303.921.8000
Florida Certificate of Authorization No. 32535
www.dynamicce.com

MICHAEL D. MILES
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE:
UTILITY DETAILS

SALE (H) AS NOTED DATE: 03/26/2021
PROJECT No: 2451-99-036

SHEET No: **C4.03** Rev. #: **3**

Plotted: 09/23/21 - 4:20 PM, By: smcdormott
File: P:\despc projects\2451\hsc snedden\99-038 tsc Jacksonville west\dwg\Plan Sheets\045199038S03.dwg ----> C4.05 UTILITY DETAILS

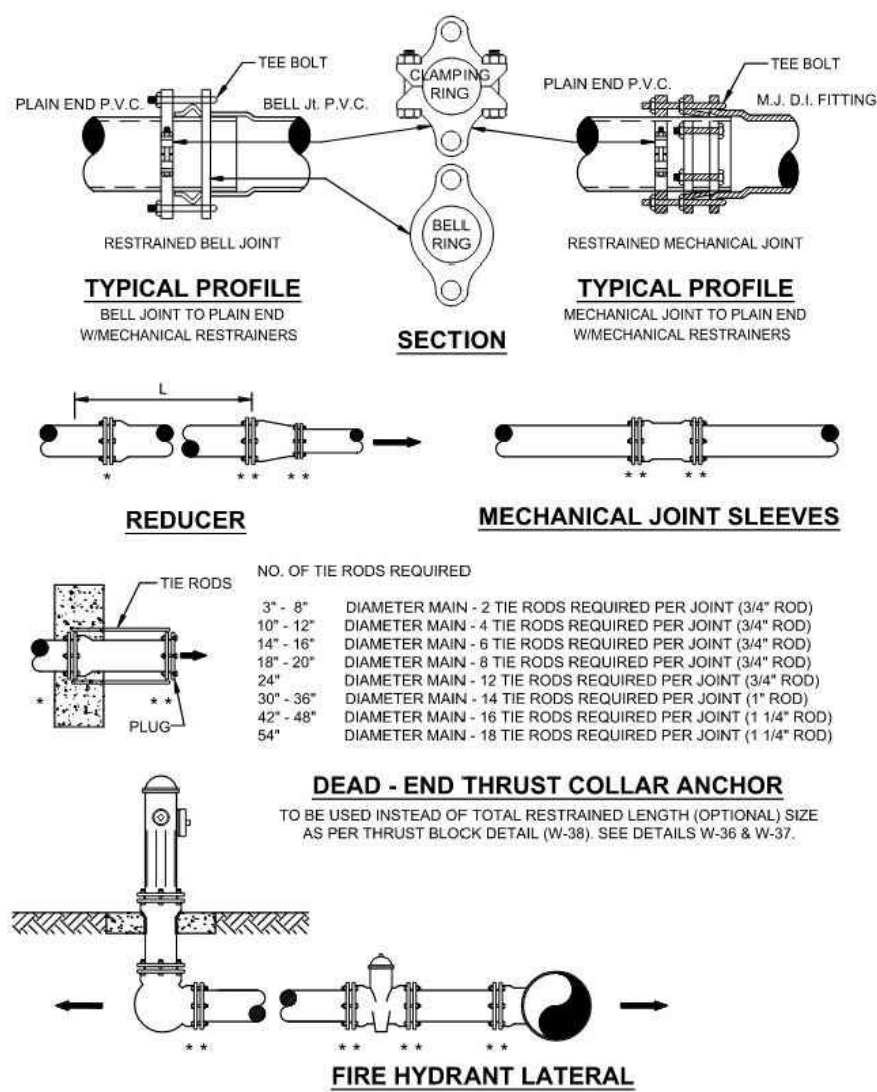


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MECHANICAL RESTRAINT DETAILS - I PLATE W-31C

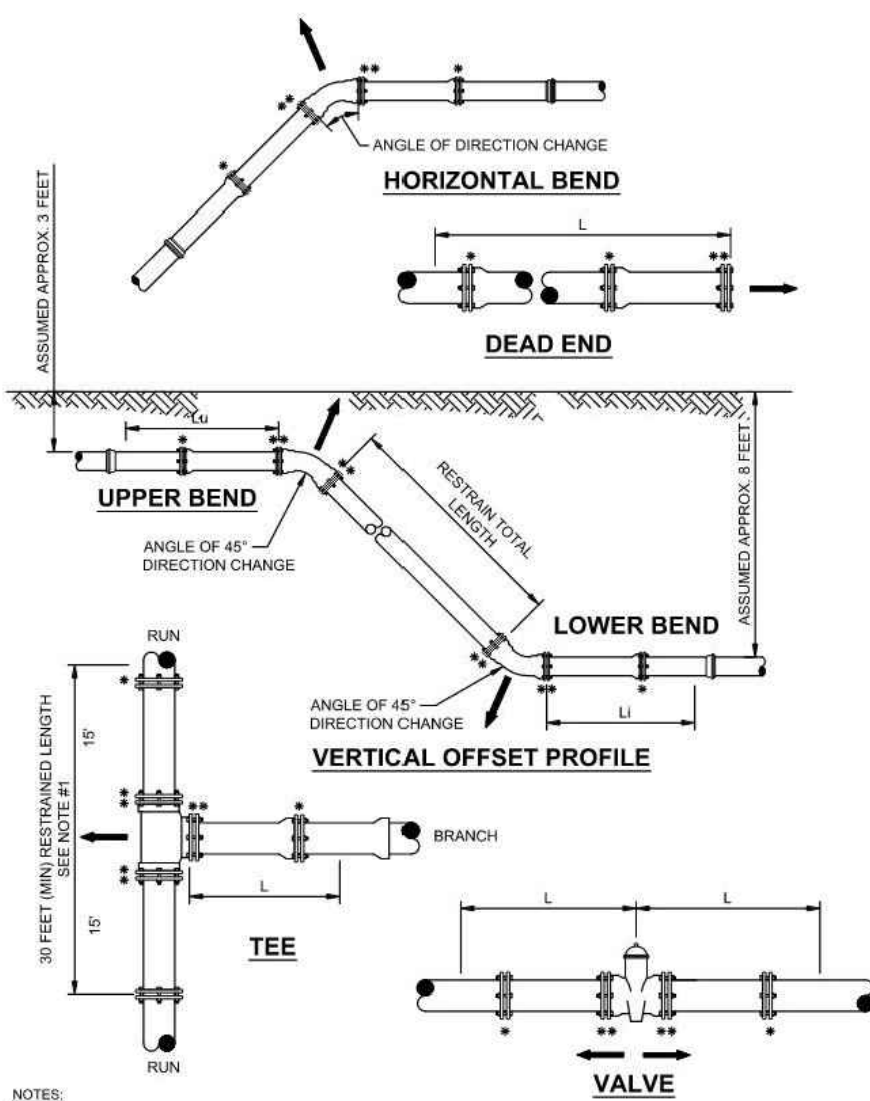


- GENERAL NOTE:
- PAY ITEM "" DENOTES A RESTRAINT WHICH IS PAID FOR ON A PER EACH BASIS.
 - PAY ITEM "" DENOTES A RESTRAINT WHICH IS INCLUDED IN THE UNIT PRICE BID FOR FITTING OR VALVE.
 - INDICATES DIRECTION OF THRUST FORCE.

JANUARY 1, 2021

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MECHANICAL RESTRAINT DETAILS - II PLATE W-31D

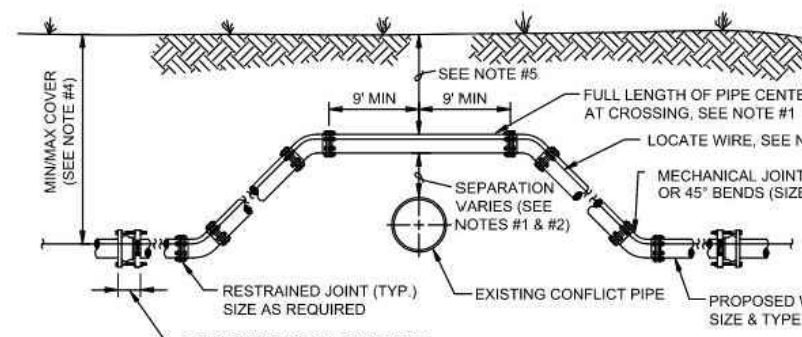


- NOTES:
- TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) SHALL BE TOTAL DISTANCE OF 30 FEET (MIN.).
 - PAY ITEM "" DENOTES A RESTRAINT WHICH IS PAID FOR ON A PER EACH BASIS.
 - PAY ITEM "" DENOTES A RESTRAINT WHICH IS INCLUDED IN THE UNIT PRICE BID FOR FITTING OR VALVE.

JANUARY 1, 2021

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ADJUSTMENT OVER EXISTING UTILITIES MECHANICAL RESTRAINTS PLATE W-32



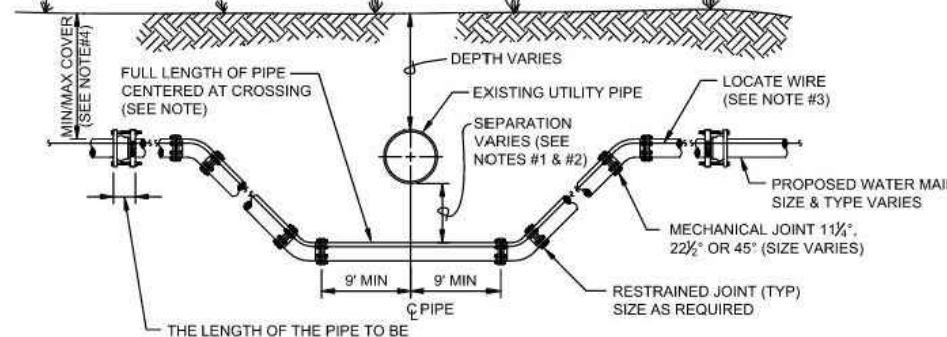
CASE "A" CROSSING

- NOTES:
- THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM D 1557.
 - FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE DETAIL W-10 AND W-11.
 - LOCATING WIRE REQUIRED: SEE DETAIL W-44.
 - THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE 30" MIN IN UNPAVED AREAS, 30" MIN IN PAVED AREAS AND A MAXIMUM COVER OF 60" UNLESS APPROVED BY JEA. THE COVER FOR PIPING 24" SIZE AND LARGER SHALL BE 30" MIN IN PAVED AND UNPAVED AREAS AND A MAXIMUM COVER OF 60" UNLESS APPROVED BY JEA.
 - IF UTILITY CONFLICT IS LOCATED IN A NON-TRAFFIC AREA (NO TRAFFIC LOADS) AND THE NEW PIPE IS D.I.P., THEN THE MINIMUM COVER MAY BE REDUCED TO 24 INCHES (ONLY IN THE AREA OF THE CONFLICT).

JANUARY 1, 2021

APPROVED BY: ADN

ADJUSTMENT UNDER EXISTING UTILITIES MECHANICAL RESTRAINTS PLATE W-34



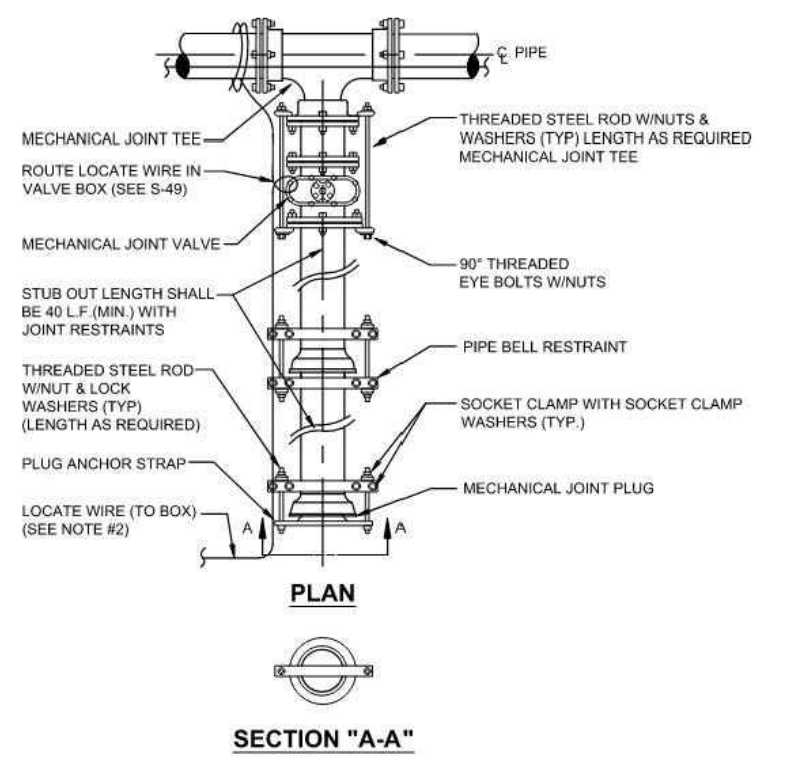
CASE "B" CROSSING

- NOTES:
- THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM D 1557.
 - FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE DETAILS W-10 AND W-11.
 - LOCATING WIRE REQUIRED: SEE DETAIL W-44.
 - THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE 30" MIN IN UNPAVED AREAS AND 30" MIN IN PAVED AREAS AND A MAXIMUM COVER OF 60" UNLESS APPROVED BY JEA. THE COVER FOR PIPING 24" SIZE AND LARGER SHALL BE 30" MIN IN PAVED AND UNPAVED AREAS AND A MAXIMUM COVER OF 60" UNLESS APPROVED BY JEA.
 - IN LOCATIONS WHERE WATER/CAM MAINS CROSS UNDER A BOX-CULVERT, OR 36-INCH DIAMETER AND LARGER STORM WATER MAIN, JEA WILL REQUIRE DGP TO BE UTILIZED FOR THE MAIN.

JANUARY 1, 2021

APPROVED BY: ADN

PLUGGED DEAD END USING MECHANICAL RESTRAINTS PLATE W-37

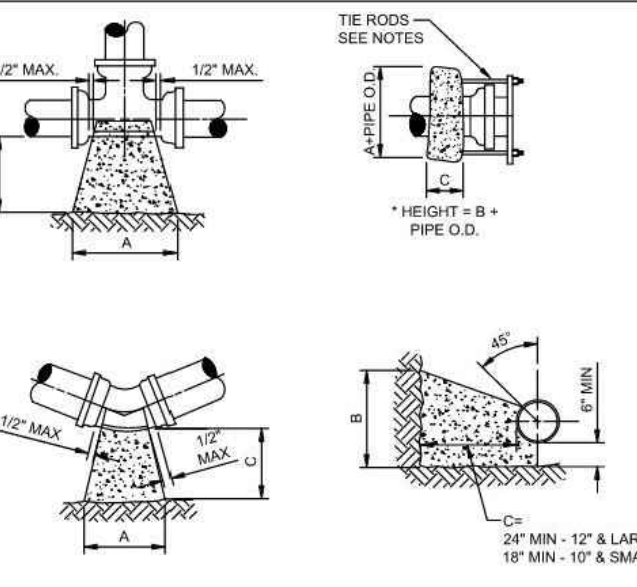


- NOTES:
- IN LIEU OF BELL-ROD RESTRAINTS, MECHANICAL JOINT RESTRAINTS MAY BE USED.
 - LOCATING WIRE REQUIRED: UTILIZING A LOCATE WIRE BOX INSTALLED AT PLUG LOCATION.
 - NUMBER OF THE RODS REQUIRED SHALL FOLLOW:
DIAMETER MAIN - 2 THE RODS REQUIRED PER JOINT (3/4" ROD)
DIAMETER MAIN - 4 THE RODS REQUIRED PER JOINT (3/4" ROD)
DIAMETER MAIN - 6 THE RODS REQUIRED PER JOINT (3/4" ROD)
DIAMETER MAIN - 8 THE RODS REQUIRED PER JOINT (3/4" ROD)
DIAMETER MAIN - 10 THE RODS REQUIRED PER JOINT (3/4" ROD)
DIAMETER MAIN - 12 THE RODS REQUIRED PER JOINT (3/4" ROD)
DIAMETER MAIN - 14 THE RODS REQUIRED PER JOINT (1" ROD)
DIAMETER MAIN - 16 THE RODS REQUIRED PER JOINT (1" ROD)
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DIAMETER MAIN - 20 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
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DIAMETER MAIN - 48 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
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DIAMETER MAIN - 882 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 888 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 894 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 900 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 906 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 912 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 918 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 924 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 930 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 936 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 942 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 948 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 954 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 960 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 966 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 972 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 978 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 984 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 990 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 996 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
DIAMETER MAIN - 1000 THE RODS REQUIRED PER JOINT (1 1/4" ROD)
 - THE LOCATION OF THE DEAD END PLUG SHALL NOT BE UNDER PAVEMENT, IF POSSIBLE. THE STUB OUT SHALL EXTEND BEYOND THE INTERSECTION AREAS OR ROAD CROSSING BY 10 FEET (MIN) WHERE POSSIBLE.

JANUARY 1, 2021

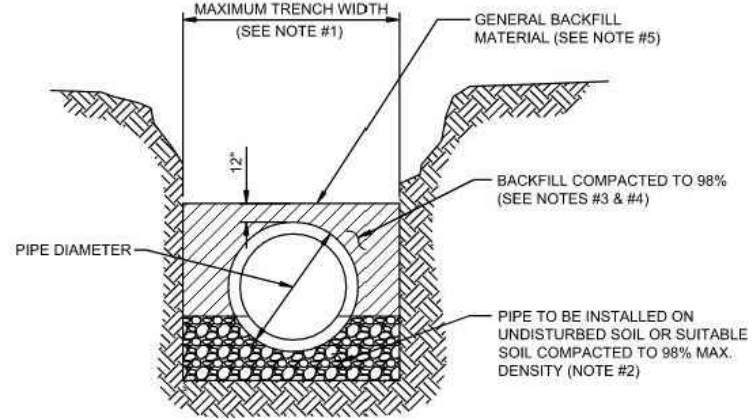
APPROVED BY: ADN

THRUST BLOCK SIZE CHART PLATE W-38



THRUST BLOCK FOR TEES & PLUGS				
SIZE	90° BEND			S.F. BEARING SURFACE
	A	B	C	
4"	16"	16"	18"	1.78
6"	20"	24"	18"	3.33
8"	26"	32"	18"	5.78
10"	32"	40"	18"	8.89
12"	38"	48"	24"	12.00
14"	40"	56"	24"	15.56
16"	48"	60"	24"	20.00
18"	56"	64"	24"	24.89
20"	60"	76"	24"	31.67
24"	72"	90"	24"	45.00
30"	86"	102"	24"	60.67
36"	118"	128"	24"	86.11

OPEN CUT TRENCH FOR PRESSURE PIPE IN CITY RIGHT-OF-AWAY
PLATE W-42



TYPICAL TRENCH

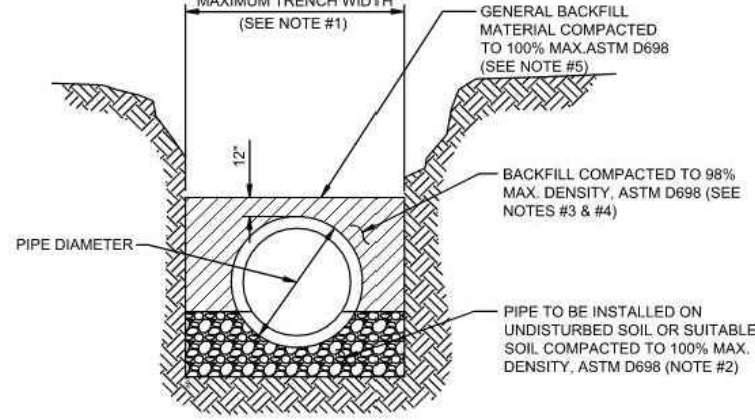
NOTES:

1. TRENCH SIDES SHALL BE APPROXIMATELY VERTICAL BETWEEN AN ELEVATION OF 1 FOOT ABOVE THE TOP OF THE PIPE AND THE CENTERLINE OF THE PIPE. OTHERWISE, TRENCH SIDES SHALL BE AS VERTICAL AS POSSIBLE OR AS REQUIRED BY OSHA STANDARDS. REFER TO THE MEASUREMENT AND PAYMENT SECTION (SECTION 807, PARAGRAPH #4) TO DETERMINE MAXIMUM PAYLINE WIDTHS.
2. BELL-HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF THE PIPE TO REST ON THE UNDISTURBED TRENCH BOTTOM. BOULDER OR LOOSE ROCKS LARGER THAN 24 INCH IN SIZE WILL NOT BE PERMITTED IN BACKFILL UP TO 1 FOOT ABOVE THE TOP OF THE PIPE.
3. BACKFILL MATERIAL UP TO A LEVEL OF 1 FOOT OVER THE TOP OF THE PIPE SHALL CONSIST OF AASHTO CLASS A-3 SOIL (SUITABLE SOIL) AND SHALL EXCLUDE CLAY MATERIALS AND LOOSE ROCKS LARGER THAN 24 INCH SIZE.
4. BACKFILL MATERIAL UP TO A LEVEL 1 FOOT OVER THE TOP OF PIPE OR BOTTOM OF STRUCTURES SHALL BE PLACED IN 6 INCH COMPACTED THICKNESS LAYERS AND SHALL BE COMPACTED TO 98% OF ITS MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM D1557.
5. SEE "EXCAVATION AND EARTHWORK", SECTION 408 FOR ADDITIONAL REQUIREMENTS INCLUDING REMOVAL AND REPLACEMENT OF UNSUITABLE SOILS, Dewatering, COMPACTION REQUIREMENTS AND DENSITY TESTING OF COMPACTED SOILS.

JANUARY 1, 2021

APPROVED BY: ADN

OPEN CUT TRENCH FOR PRESSURE PIPE IN STATE ROAD RIGHT-OF-AWAY
PLATE W-42A



TYPICAL TRENCH

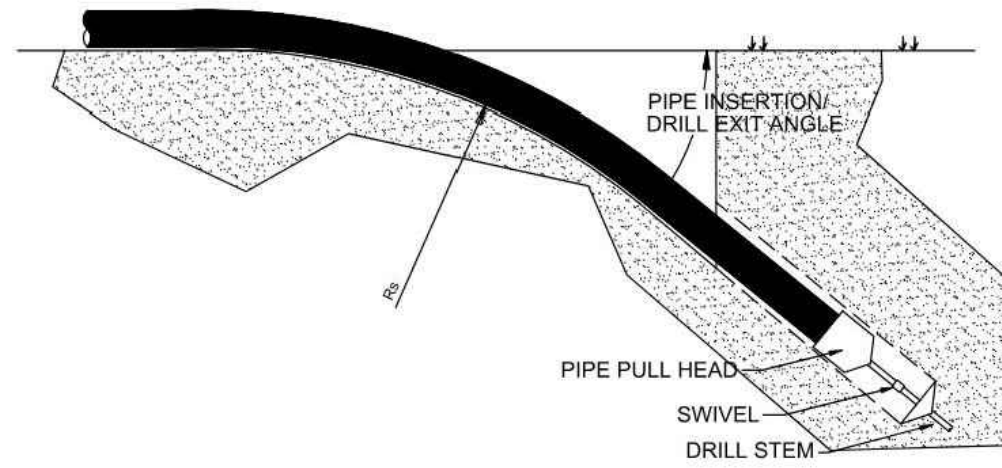
NOTES:

1. TRENCH SIDES SHALL BE APPROXIMATELY VERTICAL BETWEEN AN ELEVATION OF 1 FOOT ABOVE THE TOP OF THE PIPE AND THE CENTERLINE OF THE PIPE. OTHERWISE, TRENCH SIDES SHALL BE AS VERTICAL AS POSSIBLE OR AS REQUIRED BY OSHA STANDARDS. REFER TO THE MEASUREMENT AND PAYMENT SECTION (SECTION 807, PARAGRAPH #4) TO DETERMINE MAXIMUM PAYLINE WIDTHS.
2. BELL-HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF THE PIPE TO REST ON THE UNDISTURBED TRENCH BOTTOM. BOULDER OR LOOSE ROCKS LARGER THAN 24 INCH IN SIZE WILL NOT BE PERMITTED IN BACKFILL UP TO 1 FOOT ABOVE THE TOP OF THE PIPE.
3. BACKFILL MATERIAL UP TO A LEVEL OF 1 FOOT OVER THE TOP OF THE PIPE SHALL CONSIST OF AASHTO CLASS A-3 SOIL (SUITABLE SOIL) AND SHALL EXCLUDE CLAY MATERIALS AND LOOSE ROCKS LARGER THAN 24 INCH SIZE.
4. BACKFILL MATERIAL UP TO A LEVEL 1 FOOT OVER THE TOP OF PIPE OR BOTTOM OF STRUCTURES SHALL BE PLACED IN 6 INCH COMPACTED THICKNESS LAYERS AND SHALL BE COMPACTED TO 100% OF ITS MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM D1557.
5. SEE "EXCAVATION AND EARTHWORK", SECTION 408 FOR ADDITIONAL REQUIREMENTS AND EXCEPTIONS INCLUDING REMOVAL AND REPLACEMENT OF UNSUITABLE SOILS, Dewatering, COMPACTION REQUIREMENTS AND DENSITY TESTING OF COMPACTED SOILS.

JANUARY 1, 2021

APPROVED BY: ADN

FUSIBLE PVC PIPE ALLOWABLE BEND RADIUS AND PULLING FORCE
PLATE W-43



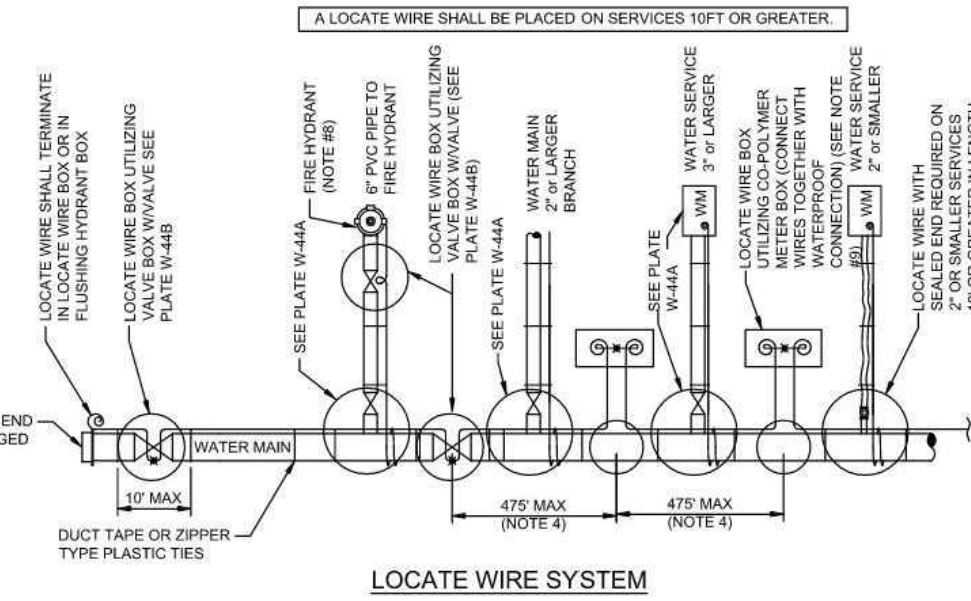
PIPE SIZE	MINIMUM ALLOWABLE BENDING RADIUS - Rs (FT)	MAXIMUM ALLOWABLE PULLING FORCE (DR18) (K-LBS)
4"	100	10
6"	144	21
8"	189	37
10"	231	56
12"	275	80

- * PIPE SIZES GREATER THAN 12" SHALL BE HIGH DENSITY POLYETHYLENE (HDPE). CALCULATIONS SUPPLIED BY THE DESIGNED ENGINEER.

JANUARY 1, 2021

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LOCATE WIRE CONSTRUCTION FOR WATER MAINS
PLATE W-44



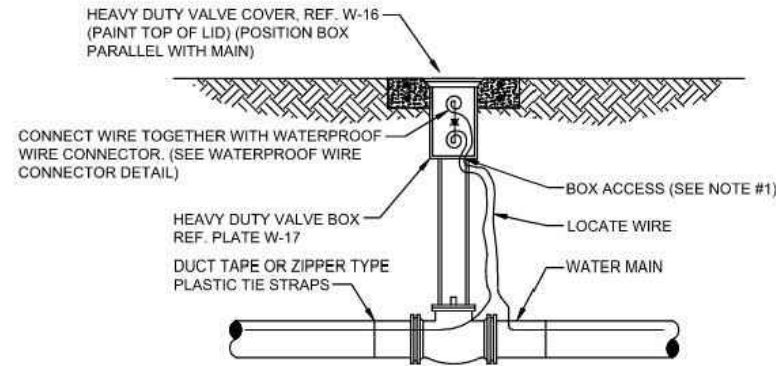
NOTES:

1. LOCATING WIRE TO BE INSTALLED IN EITHER THE ONE OR ELEVEN O'CLOCK POSITION ON ALL DUCTILE IRON OR PVC (PRESSURE MAINS). LOCATE WIRE SHALL ALSO BE INSTALLED ON ALL HDPE/POU MAIN PIPES (150 OR 110 O'CLOCK POSITION, IF POSSIBLE).
2. SECURE LOCATING WIRE TO PVC & D.P. WATER MAIN BY USE OF DUCT TAPE OR ZIPPER TYPE PLASTIC TIE STRAPS SPACED AT A MAXIMUM DISTANCE OF TEN (10) FEET AND AT EACH SIDE OF BELL JOINT OR FITTING.
3. THE ENTIRE LOCATING SYSTEM SHALL BE SUBJECTED TO TESTING TO DETERMINE ITS RELIABILITY. WIRE WHEN INSTALLED UNDER PAVEMENT AREAS. TESTING SHALL BE DONE PRIOR TO THE PLACEMENT OF PAVEMENT, UNLESS APPROVED OTHERWISE BY JEA.
4. LOCATING WIRE SHALL TERMINATE WITHIN AN ACTIVE VALVE BOX (WITH A VALVE) OR A METER BOX (IF NO VALVE) AT 475' INTERVALS. SEE DETAIL PLATE W-44B. WIRE CONNECTIONS BELOW GROUND (OUTSIDE OF A BOX) SHALL BE AVOIDED.
5. REFER TO SECTION 360 FOR LOCATE WIRE SPECIFICATIONS.
6. * * INDICATES THAT THE WIRES ARE CONNECTED TOGETHER WITH A WATERPROOF CONNECTION. (SEE DETAIL W-44B).
7. * * INDICATES A WIRE PIG-TAIL, 4' LONG.
8. FOR FIRE HYDRANT LOCATE WIRE REQUIREMENTS AND EXCLUSIONS, SEE PLATES W-12-13 AND 14.
9. AN "X" CUT SHALL BE CARVED IN THE CONCRETE CURB AND PAINTED AT ALL LOCATE WIRE BOXES.
10. FOUR LANES OF TRAFFIC (HAVING TWO LANES OF TRAFFIC IN EACH DIRECTION) OR GREATER THE LOCATE WIRE AND VALVE BOX SHALL BE OFF-SET TO THE RIGHT-OF-WAY.

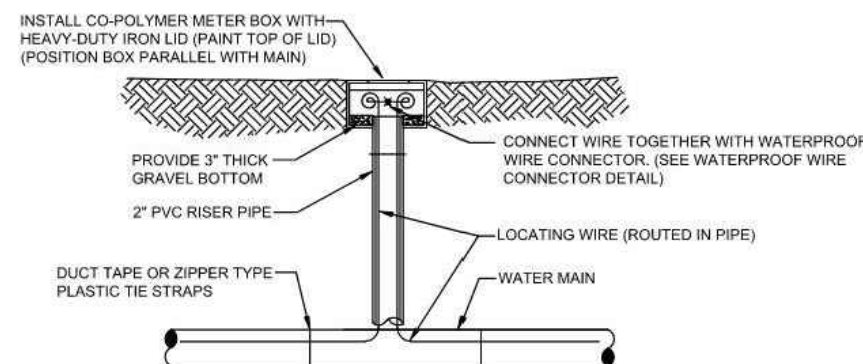
JANUARY 1, 2021

APPROVED BY: ADN

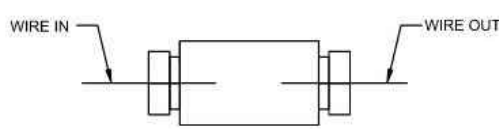
LOCATE WIRE BOX
PLATE W-44B



LOCATE WIRE BOX UTILIZING VALVE BOX



LOCATE WIRE BOX UTILIZING METER BOX



WATERPROOF WIRE CONNECTOR DETAIL

NOTES:

1. LOCATE WIRE SHALL ENTER THE VALVE BOX THROUGH A "X" CUT IN THE 6" PVC RISER PIPE (SEE W-16).
2. LOCATE WIRE SHALL HAVE ENOUGH SLACK TO REACH 4' ABOVE FINAL GRADE AND LOCATE POINTS.
3. LOCATE WIRE CONNECTION SHALL ONLY BE A 2-WAY CONNECTION.

JANUARY 1, 2021

APPROVED BY: ADN



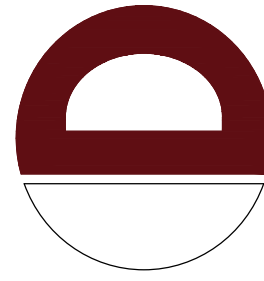
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File: F:\Bepp projects\2451\Task\snedder\99-038\Task\Jacksonville\west\DWG\Plan_Sheets\0245199038SD3.dwg ->>> C4.06 UTILITY DETAILS

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REV.	DATE	COMMENTS	BY
3	07/07/21	AGENCY COMMENTS	SNM
2	07/27/21	AGENCY COMMENTS	KAK
1	07/18/21	FOOT ACCESS COMMENTS	KAK

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CHECKED BY: JCP/NCM
APPROVED BY: AP

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY

8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 25, RANGE 25E

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MICHAEL D. MILES

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE:
UTILITY DETAILS

SCALE: (H) AS NOTED
PROJECT No: 2451-99-038
DATE: 03/26/2021

SHEET No: **C4.06**
Rev. #: **3**

Plotted: 08/23/21 - 4:20 PM, By: smcdmerritt
File: F:\despc_projects\2451\Trk_smedmerritt\99-036\trk_jacksonville_west\dwg\Plan_Sheets\0245199036SD3.dwg ----> C4.07 LIFT STATION DETAILS



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NOTE: COMPLETE SYSTEM TO BE SUPPLIED BY:
RILEY & COMPANY, INC.
SANFORD, FL 32773
(407)265-9963

NO SUBSTITUTIONS - NO ALTERNATES
LIFT STATION WILL BE PRIVATELY
OWNED AND MAINTAINED.

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Giddings, Texas, Which Includes A Written 20 Yr. Warranty. Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida.

After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible.

PUMPS:

The submersible grinder pumps shall be manufactured by HOMA Model RC10049. The pumps shall be installed in the H-20 GP FRP wetwell utilizing a dual slide rail system. Each grinder pump shall contain special cutters to reduce sewage to a fine slurry. The stationary cutter shall consist of hardened 316 "L" stainless steel and the rotary cutter shall consist of chrome alloy cast iron.

Major pump components shall be gray cast iron, ASTM A-48, Class 35B. The pump motor shall be NEMA B design and housed in an air-filled watertight chamber. The stator windings shall be insulated with moisture resistant Class F insulation by use of the trickle impregnation method. The motor shall be heat-shrink fit into the stator housing. The use of bolts, pins, or other fastening devices is not acceptable. Thermal switches set to open at 125 degrees C shall be embedded in the stator end coils to monitor the temperature of each phase winding. The motor horsepower shall be adequate so that the pump is non-overloading throughout the entire pump performance curve from shut-off through run-out.

DUPLEX CONTROL PANEL:

To insure complete unit and warranty responsibility the electrical control panel must be manufactured and built by the pump supplier. The pump supplier must be a TUV (UL508A CERTIFIED) manufacturing facility, with a minimum of 5 years history in the manufacturing of electrical control panels.

The Enclosure shall be NEMA 4X, minimum 30" high x 30" wide x 10" deep fiberglass with 5 point latching system.

The enclosure shall have external mounting feet to allow for wall mounting. The following components shall be mounted through the enclosure:

- 1- ea. Red Alarm Beacon (Light) 4" x 4" Minimum Diameter
- 1- ea. Alarm Horn (minimum 95 DdB)
- 1- ea. Generator Receptacle w/ weatherproof cover(SCM460 -UL 1686)
- 1- ea. Alarm Silence Pushbutton

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

The following components shall be mounted to back panel:

- 2- ea. Motor Contactors
- 1- ea. Volt Monitor (1 Ph) Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
- 1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
- 1- ea. Silence Relay Module
- 1- ea. Duplex Alternator w/ Pump Selector Switch
- 1- ea. Model RCBB5AH Battery Back-Up w/ Smart Charger For The High Level Alarm System
- 20- ea. Terminals For Field Connections
- 6- ea. Terminals For Field Connections (Single Phase Only)
- 7- ea. Grounding Lugs
- 1- ea. Seal Failure Relay

The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The inner door shall have a continuous aluminum piano hinge.

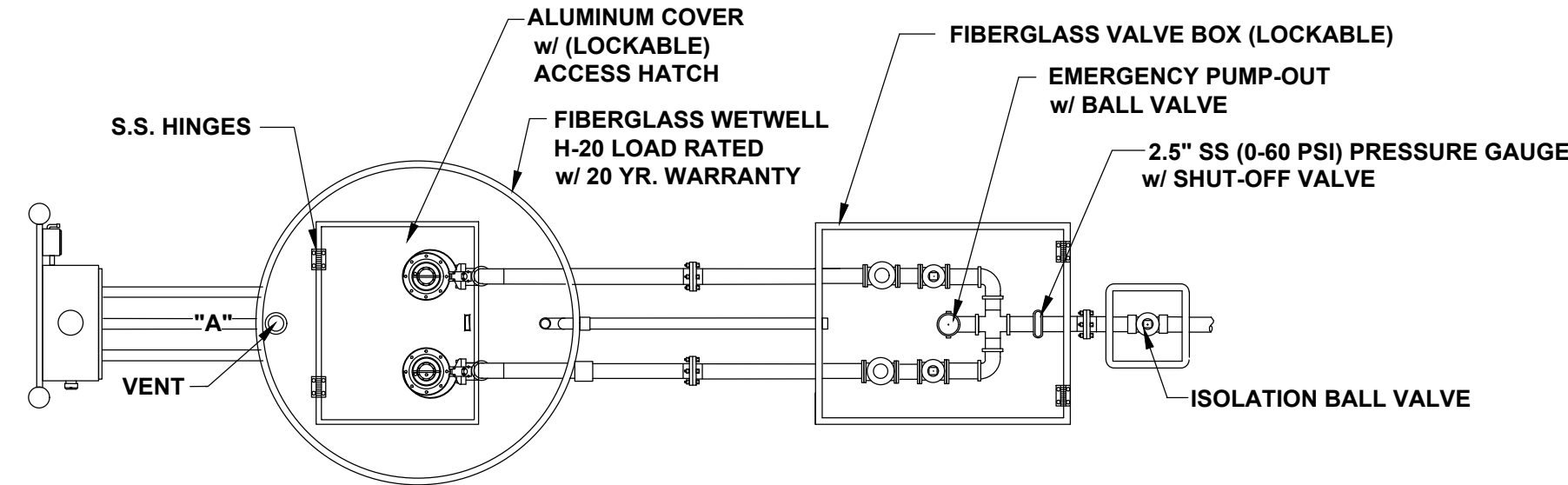
The following components shall be mounted through the inner door:

- 1- ea. Main Circuit Breaker
- 1- ea. Emergency Circuit Breaker
- 1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
- 2- ea. Short Circuit Protectors w/ Auxiliary Contacts
- 1- ea. Control Circuit Breaker
- 2- ea. Seal Failure Indicator Lights
- 1- ea. Hand-Off-Auto Selector Switches
- 2- ea. Pump Run Pilot Lights
- 1- ea. Power On Pilot Light
- 2- ea. Elapse Time Meters (Non-Resetable)
- 1- ea. GFI Duplex Convenience Outlet

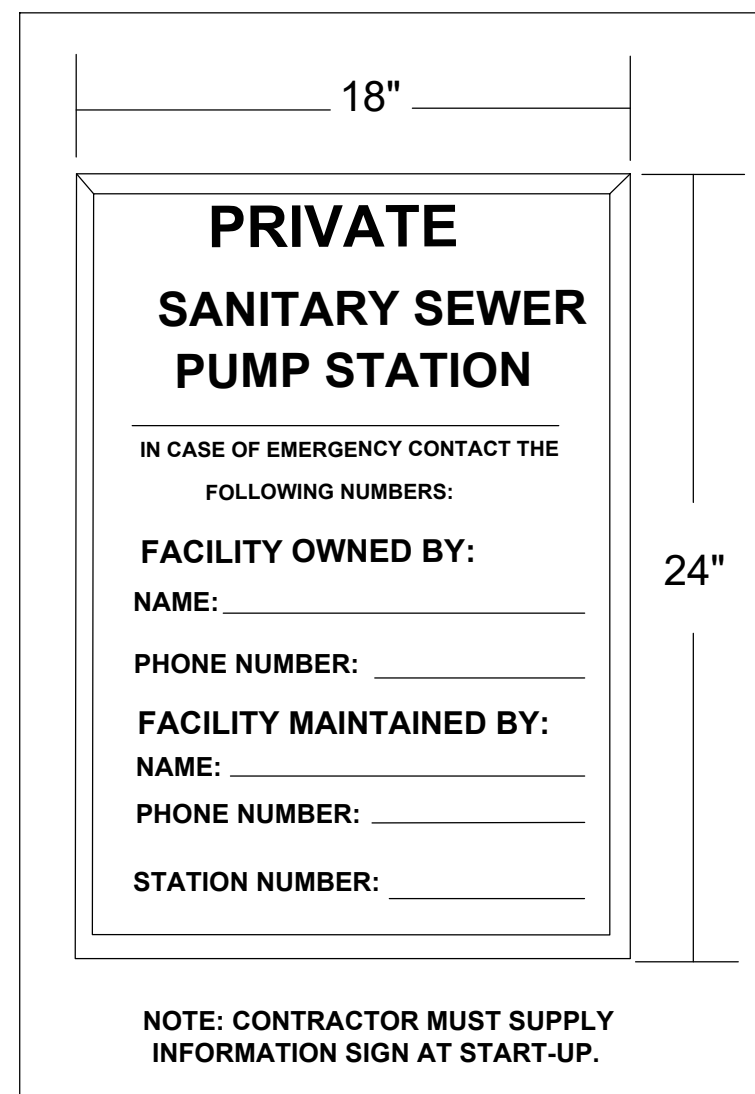
RILEY & Company, Inc. (H-20 GP)

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS ©

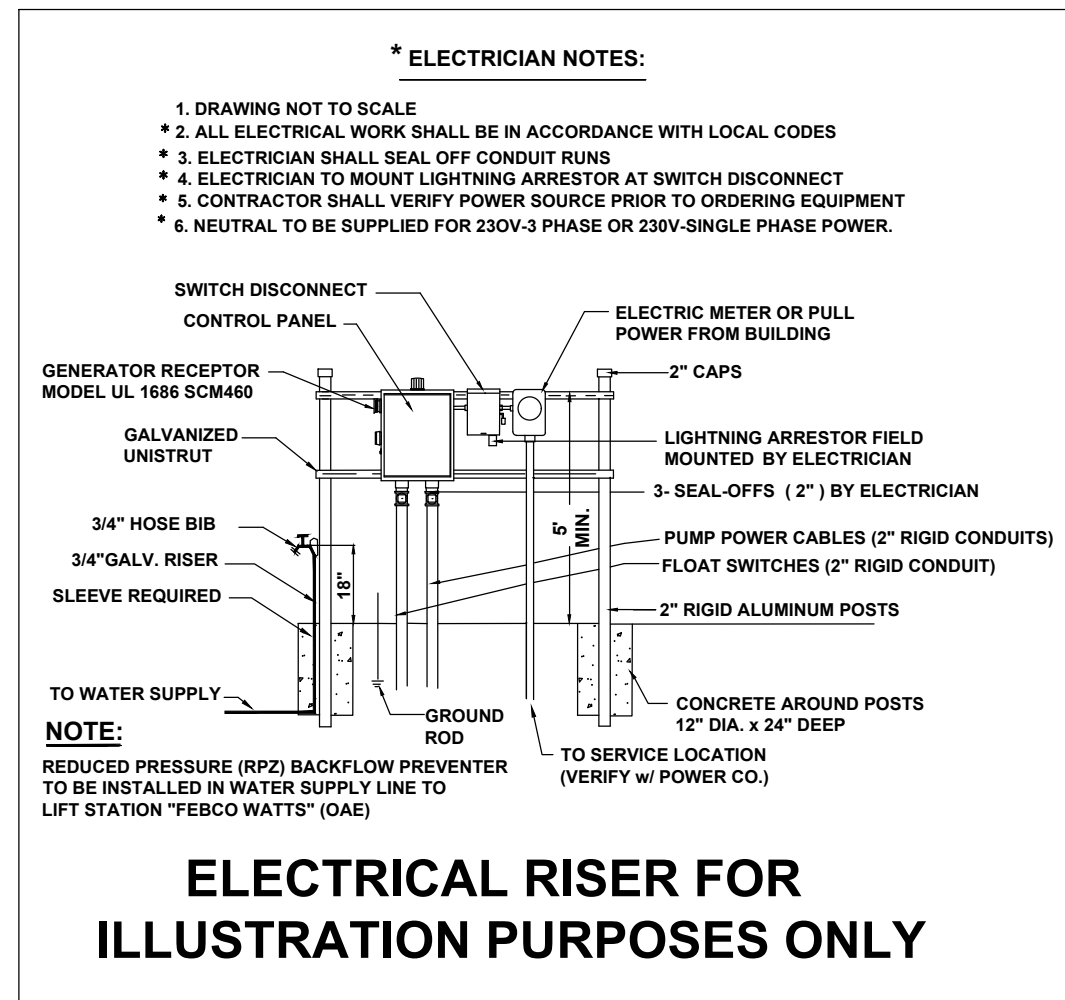
PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	24 GPM	TOP OF WETWELL	80.35
PRIMARY TDH	62' TDH	INLET INVERT	78.85
PUMP MANUFACTURER	HOMA	HIGH LEVEL ALARM (HLA)	77.85
PUMP MODEL #	RC10049	2nd PUMP ON (LAG)	76.85
R.P.M.	3450	1st PUMP ON (LEAD)	76.35
HORSEPOWER	2.0	PUMPS OFF (OFF)	75.85
ELECTRICAL/ VOLTS / PHASE	230V/3	BOTTOM OF WETWELL	73.35
PUMP DISCHARGE SIZE	2"	WETWELL DIAMETER	48"



NOTE: PUMP CONTROL PANEL SHALL BE LOCATED 3 FEET FROM WETWELL PERIMETER AT POINT "A"

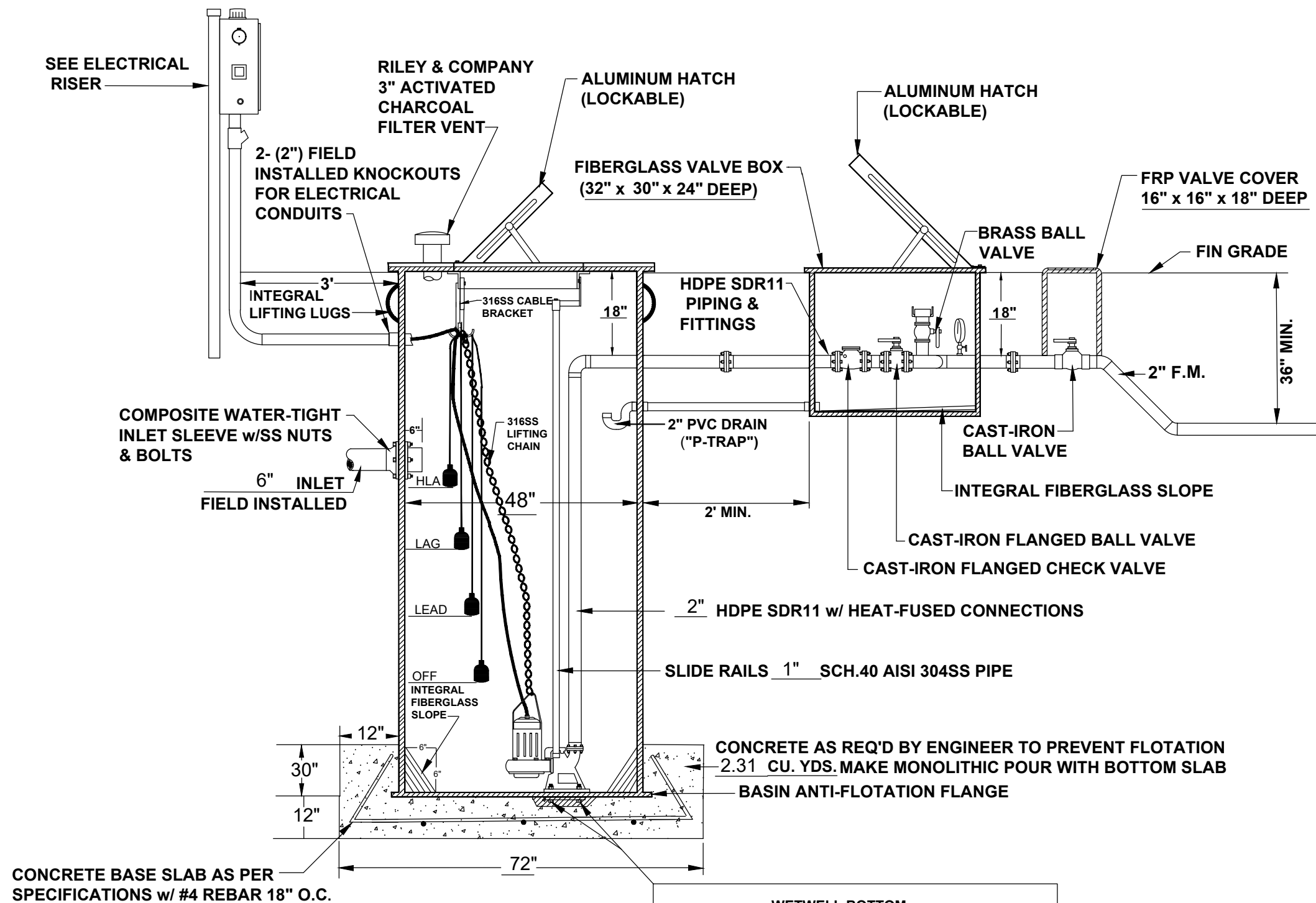


NOTE: CONTRACTOR MUST SUPPLY INFORMATION SIGN AT START-UP.



* ELECTRICIAN NOTES:

- 1. DRAWING NOT TO SCALE
- * 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES
- * 3. ELECTRICIAN SHALL SEAL OFF CONDUIT RUNS
- * 4. ELECTRICIAN TO MOUNT LIGHTNING ARRESTOR AT SWITCH DISCONNECT
- * 5. CONTRACTOR SHALL VERIFY POWER SOURCE PRIOR TO ORDERING EQUIPMENT
- * 6. NEUTRAL TO BE SUPPLIED FOR 230V-3 PHASE OR 230V-SINGLE PHASE POWER.



NOTES:

1. Water service with hose bibb and reduced pressure backflow preventer to be installed near lift station. (See Electrical Riser Illustration)
2. System shall be operated and maintained to provide uninterrupted service as required by DEP Chapter 62-604.500.
3. Approved Operation & Maintenance Manual(O&M) shall be kept available for operation and maintenance personnel
4. A weather resistant emergency contact sign shall be installed at the lift station and made visible to the public (Lettering shall be min. 2" in height.
5. INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance for the complete system.

04-19-2021

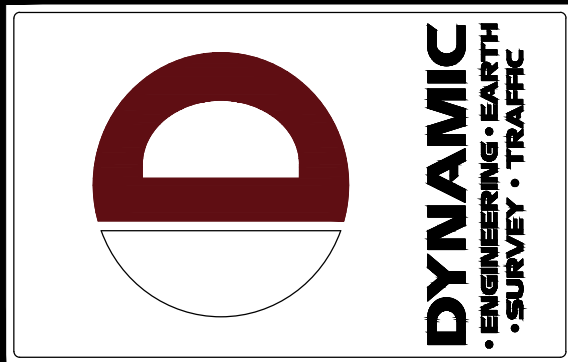
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Sanford, FL 32773
PH. 407-265-9963

TRACTOR SUPPLY
JACKSONVILLE, FL

DRAWN
CHECKED
DATE
SCALE
JOB NO.



REV.	DATE	COMMENTS	BY
1	08/18/21	POST ACCESS COMMENTS	PKK
2	08/21/21	AGENCY COMMENTS	PKK
3	07/07/21	AGENCY COMMENTS	SKM

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PROJECT: HSC JACKSONVILLE WEST, LLC PROPOSED TRACTOR SUPPLY COMPANY 8984 NORFOLK BOULEVARD CITY OF JACKSONVILLE DUVAL COUNTY, FLORIDA 32246 SECTION 33 TOWNSHIP 2S RANGE 25E	

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PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313


ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE:
LIFT STATION
DETAILS

SCALE: (H) NOT TO SCALE (M) SCALE
DATE: 03/26/2021
PROJECT No: 2451-99-038

SHEET No: C4.07
Rev. #: 3

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SHEET No: **C4.08**

Rev. #:
3

Plotted: 09/23/21 - 4:20 PM, By: smcdormott
File: P:\bpcp projects\2451 the snedden\99-038 tsc jacksonville west\dwg\Plan Sheets\024519903853.dwg, ---> C5.00 PHOTOMETRIC PLAN



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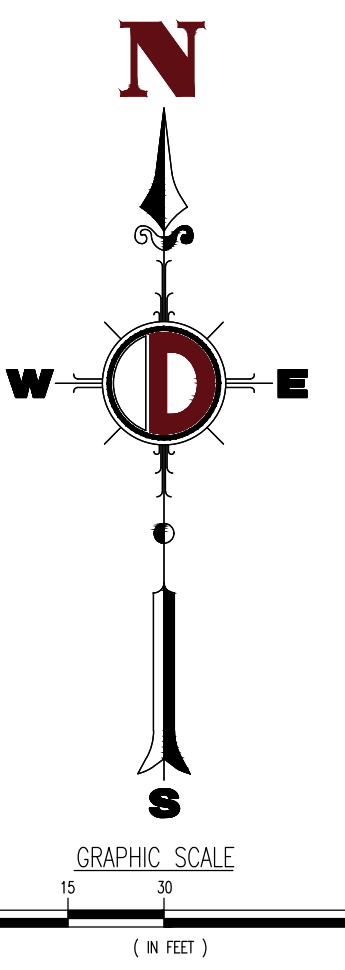
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STATE ROAD 228
(NORMANDY BLVD)
R/W WIDTH VARIES (FOOT)
PAVED UNIMPROVED HIGHWAY
SPEED LIMIT: 45 MPH

5.0' UTILITY EASEMENT
(OR 16875, PG 2029)

PRIVATE STREET
40' MEDIAN (FOOT)
PAVED UNIMPROVED HIGHWAY
ON PROPERTY APPROXIMATE DATA

PROPOSED
W-50K-TR
22,433 SF
FFE: 80.50 (NAVD)



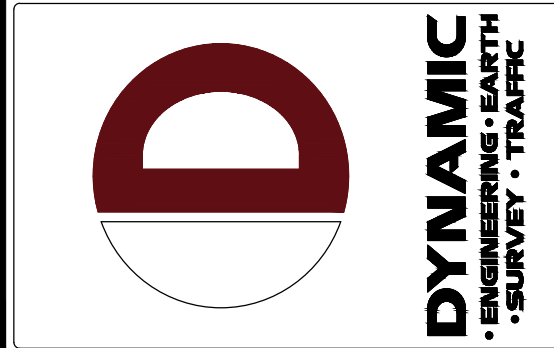
LIGHTING LUMINAIRE SCHEDULE							
SYMBOL	QUANTITY	LABEL	MOUNTING HEIGHT	ARRANGEMENT	LIGHT LOSS FACTOR	MANUFACTURER	DESCRIPTION
	14	A-50K-R3-HS	25 FT	SINGLE	1.000	LITHONIA LIGHTING	LITHONIA RSX1 LED TYPE 3 AREA LIGHT W/ HOUSE SIDE SHIELD
	1	A-50K-R3-B2B	25 FT	BACK-TO-BACK	1.000	LITHONIA LIGHTING	LITHONIA RSX1 LED TYPE 3 AREA LIGHT
	1	A-50K-R3-390	25 FT	3 @ 90°	1.000	LITHONIA LIGHTING	LITHONIA RSX1 LED TYPE 3 AREA LIGHT
	10	W-50K-T3	18 FT	SINGLE	1.000	LITHONIA LIGHTING	LITHONIA D-SERIES SIZE 1 LED WALL PACK
	3	G-18-3	20 FT	SINGLE	1.000	HI-LITE MFG. CO.	HI-LITE MFG. CO. 3 LED GOOSENECK
							IES FILE
							RSX1_LED_P3_50K_R3_HS.ies
							RSX1_LED_P3_50K_R3.ies
							RSX1_LED_P3_50K_R3.ies
							DSXW1_LED_100_1000_50K_TSM_MVOLT
							H-CGU-18_LED3.ies

(FM) - FLUSH MOUNT FOUNDATION (PED) - PEDESTAL FOUNDATION
THE CALCULATIONS SHOWN WERE MADE UTILIZING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE, DIRT DEPRECIATION, AND OTHER FACTORS MAY AFFECT ACTUAL RESULTS. UNLESS OTHERWISE STATED, ALL RESULTS ARE MAINTAINED VALUES, UTILIZING ACCEPTED LIGHT LOSS FACTORS (LLF).

STATISTICAL AREA SUMMARY					
LABEL	AVERAGE	MAXIMUM	MINIMUM	AVG./MIN.	MAX./MIN.
PARKING AREA	2.86	10.1	1.0	2.86	10.10
CALCULATIONS TAKEN WITHIN PROPOSED PARKING AREA					

GENERAL NOTES

1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDERAIL POSTS.
4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
5. REFER TO ARCHITECTURAL PLANS FOR LIGHTING DIAGRAM.



BY	DATE	REVISION	COMMENTS
SM	07/07/21	3	AGENCY COMMENTS
PK	07/27/21	2	AGENCY COMMENTS
PK	07/27/21	1	FOOT ACCESS COMMENTS

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PROPOSED TRACTOR SUPPLY COMPANY
8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
DUAL COUNTY, FLORIDA 32246
SECTION 33 TOWNSHIP 25, RANGE 25E

DESIGNED BY: KAK
CHECKED BY: JOP/NCM
APPROVED BY: AP

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Destiny Beach, Florida • 1.561.921.8570
Florida Certificate of Authorization No. 32535
www.dynamiccec.com

MICHAEL D. MILES
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE: PHOTOMETRIC PLAN

SCALE: (H) AS NOTED (M) NOTED
PROJECT No: 2451-99-038
DATE: 03/26/2021

SHEET No: C5.00
Rev. #: 3

Plotted: 09/23/21 - 4:20 PM, By: smcdmott
File: F:\Bepp Projects\2451\Tia smcdmott\99-038 tsc Jacksonville west\Drawg\Plan Sheets\0245199038SP2.dwg ----> C6.00 OFF-SITE ROADWAY IMPROVEMENT PLAN

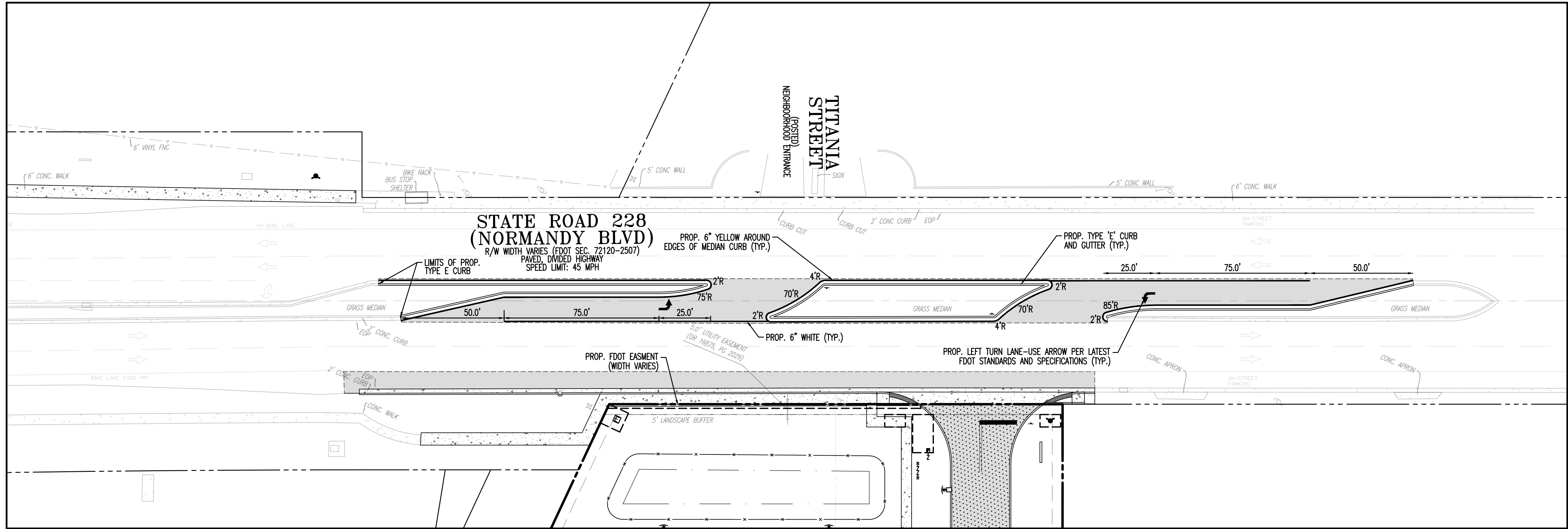
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PAVING, GRADING & DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL, COUNTY OR FDOT REQUIREMENTS.
2. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. '88).
3. CONTRACTOR SHALL CLEAN ALL PROPOSED DRAINAGE STRUCTURES AND PIPES UPON COMPLETION OF CONSTRUCTION.
4. PROPOSED ELEVATIONS OF CURB REPRESENT FACE OF CURB OR EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
5. PROPOSED ELEVATIONS IN ALL PAVEMENT AREAS REPRESENT FINISHED TOP OF SUB/GRASS OR ANY OTHER LANDSCAPING MATERIAL.
6. ALL STRIPING IS TO BE PAINTED IN ACCORDANCE WITH CITY OF JACKSONVILLE REQUIREMENTS UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE BOXES, ETC. TO PROPOSED GRADE IN VICINITY OF PAVEMENT RECONSTRUCTION AND GRADE CHANGES.
8. GRATES IN PAVED AREAS SHALL BE SET AT GRADE. GRATES IN GRASS AREAS SHALL BE SET 0.15 FEET ABOVE GRADE.
9. ALL PAVEMENT MARKING AND STRIPING, EXCLUDING PARKING STALL STRIPING, SHALL BE INSTALLED WITH THERMOPLASTIC MATERIALS UNLESS OTHERWISE NOTED ON SHEET C1.02.
10. ALL EXISTING AND PROPOSED RIM ELEVATIONS SHALL BE SET TO FINISHED SURFACE GRADE, UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLAN. THIS SHALL INCLUDE ALL UTILITY, SEWER, WATER AND DRAINAGE STRUCTURES, MANHOLES, INLETS, VAULTS, VALVES AND OTHER APPURTENANCES.

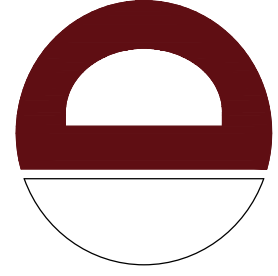
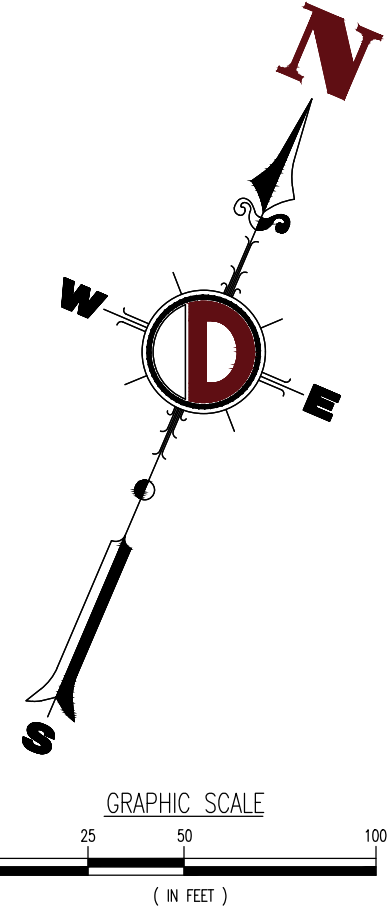
CITY OF JACKSONVILLE PAVEMENT MARKING STANDARDS

1. PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN ON THE PLANS AND DETAIL SHEETS.
2. ANY REQUIRED TEMPORARY MARKINGS MUST BE IN PLACE BEFORE OPENING LANES OF TRAFFIC. PAY ITEMS FOR TEMPORARY PAVEMENT MARKINGS ARE TO BE INCLUDED IN THE TABULATION OF QUANTITIES.
3. THE REMOVAL OF EXISTING PAVEMENT MARKINGS WILL BE CONSIDERED AN INCIDENTAL ITEM WITH NO ADDITIONAL COMPENSATION PROVIDED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE EXTRUDED THERMOPLASTIC AND MEET CURRENT CITY OF JACKSONVILLE SPECIFICATIONS AND/OR FDOT STANDARD SPECIFICATIONS LATEST EDITION.
5. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED NO SOONER THAN 30 CALENDAR DAYS AFTER THE COMPLETION OF THE FINAL PAVEMENT LAYER.
6. A BITUMINOUS REFLECTIVE PAVEMENT MARKER (RPM) ADHESIVE MEETING CURRENT CITY OF JACKSONVILLE AND/OR FDOT SPECIFICATIONS SHALL BE USED ON ASPHALT ROADWAYS.
7. THE CONTRACTOR SHALL USE CLASS -B REFLECTIVE PAVEMENT MARKERS (RPMs) INSTALLED TO MEET CURRENT CITY OF JACKSONVILLE SPECIFICATIONS AND/OR FDOT STANDARD SPECIFICATIONS.
8. REFLECTIVE PAVEMENT MARKERS THAT DO NOT CONFLICT WITH PERMANENT (THERMOPLASTIC) MARKINGS SHALL BE PLACED ON ALL FINAL ASPHALTIC CONCRETE SURFACES IMMEDIATELY AFTER THE TEMPORARY PERMANENT STRIPING IS IN PLACE.
9. PAVEMENT MARKINGS REMOVAL:
 - A. PAINT BLACKOUT METHOD OF PAVEMENT MARKINGS REMOVAL IS NOT ACCEPTABLE.
 - B. GRINDING OR HYDRO BLAST METHODS SHALL BE USED ON WEATHERED ASPHALT SURFACES.
 - C. REMOVAL ON NEW ASPHALT SURFACES SHALL BE BY HYDRO BLAST METHOD ONLY.
10. THE CONTRACTOR SHALL CONTACT THE PAVEMENT MARKING INSPECTOR (904) 255-7550 48 HOURS PRIOR TO INSTALLING ANY PAVEMENT MARKINGS ON ANY CITY OF JACKSONVILLE ROADWAY OR STREET.
11. IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS OF THE CITY OF JACKSONVILLE AND THE SPECIFICATIONS OF THE FDOT, THE CITY OF JACKSONVILLE WILL PREVAIL.

MOT NOTES

1. NOTIFY THE TRAFFIC ENGINEERING DIVISION, (904) 255-7533, A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO IMPLEMENTATION OF MOT.
2. THE PROJECT WORK HOURS SHALL BE BETWEEN 7:00 AM AND 7:00 PM ON RESIDENTIAL STREETS AND 9:00 AM TO 4:00 PM ON COLLECTOR OR ARTERIAL STREETS. THERE SHALL BE NO LANE CLOSURES BETWEEN 7:00 AM AND 9:00 AM AND BETWEEN 4:00 PM AND 7:00 PM ON WEEKDAYS.
3. THE CONTRACTOR SHALL CONFIRM THAT EXISTING SIGNAGE WILL NOT POSE A CONFLICT FOR WORK ZONE TRAFFIC CONTROL. THE CONTRACTOR SHALL COVER OR REMOVE ALL SIGNING IN CONFLICT WITH THE TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS.
4. ACCESS TO SIDE STREETS, PRIVATE AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. THIS REVIEW APPROVAL IS FOR THE CITY OF JACKSONVILLE MAINTAINED RIGHT-OF-WAY ONLY.

REFER TO SHEETS C2.00-C2.03 FOR DEMOLITION & EROSION CONTROL NOTES & SPECIFICATIONS



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REV.	DATE	COMMENTS	BY
3	07/07/21	AGENCY COMMENTS	SM
2	06/22/21	AGENCY COMMENTS	KAK
1	06/18/21	FOOT ACCESS COMMENTS	KAK

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CHECKED BY: _____
KAK JCP/NCM AP

PROJECT: **HSC JACKSONVILLE WEST, LLC**
PROPOSED TRACTOR SUPPLY COMPANY

8984 NORMANDY BOULEVARD
CITY OF JACKSONVILLE
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SECTION 33 TOWNSHIP 25S RANGE 25E

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MICHAEL D. MILES

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313


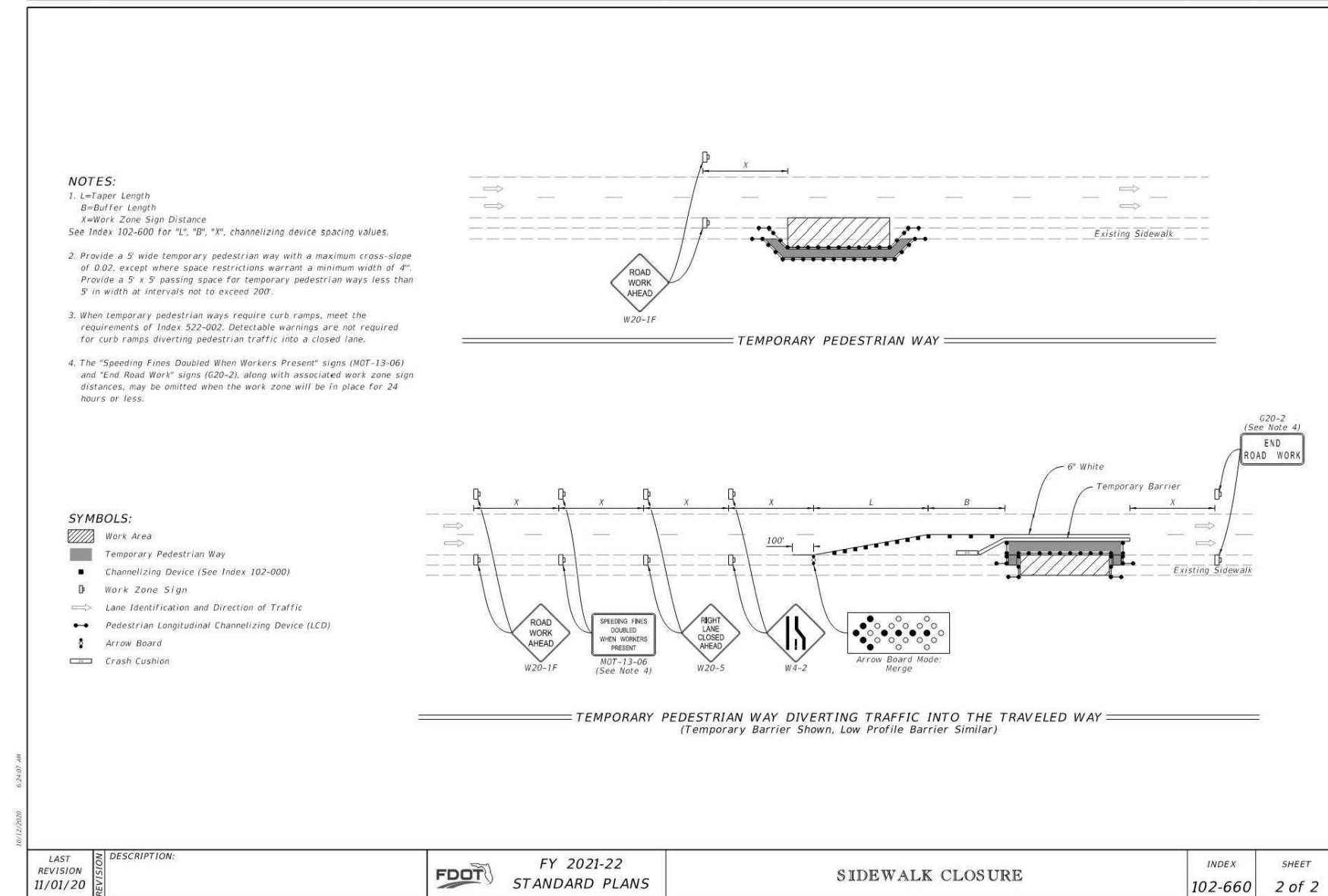
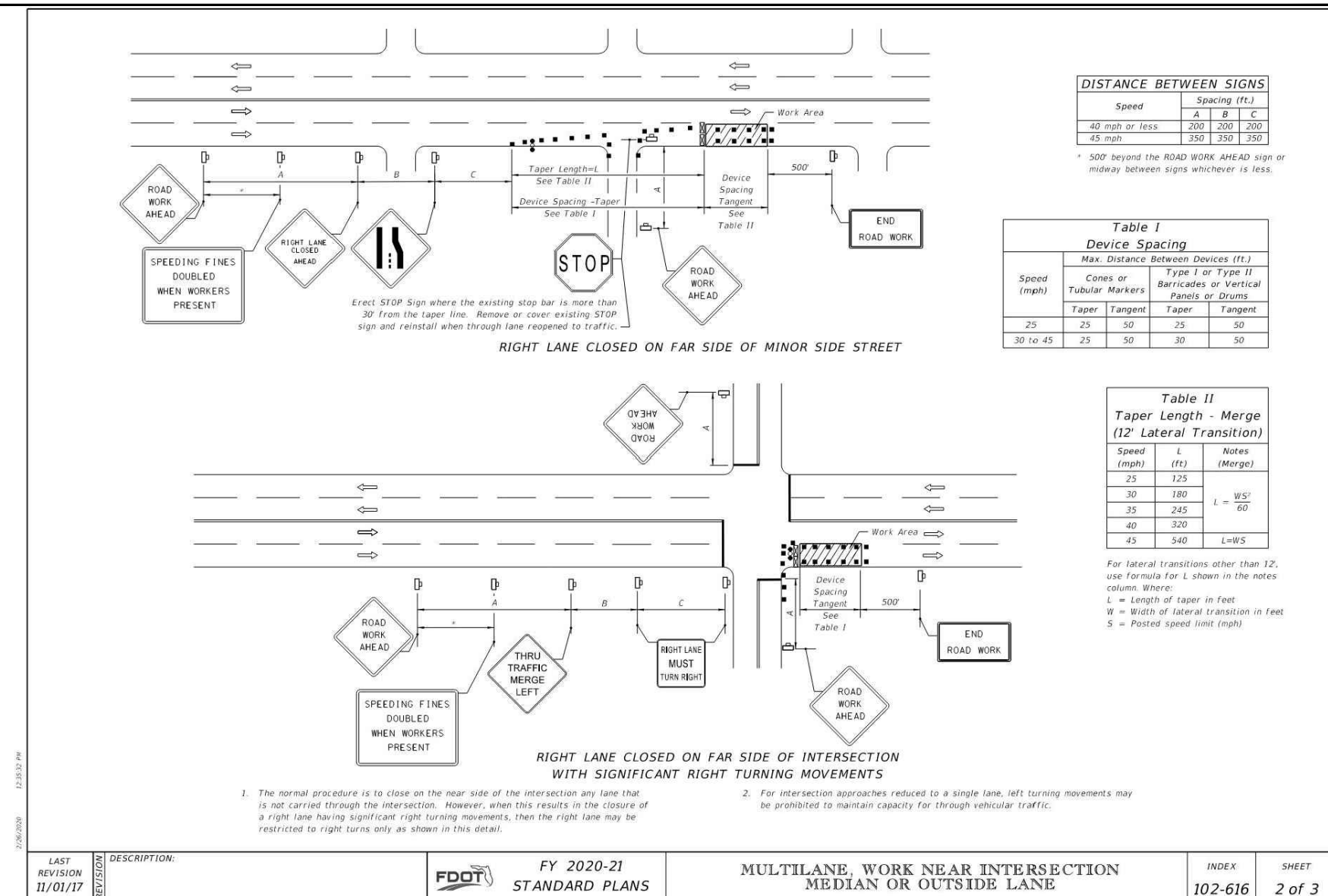
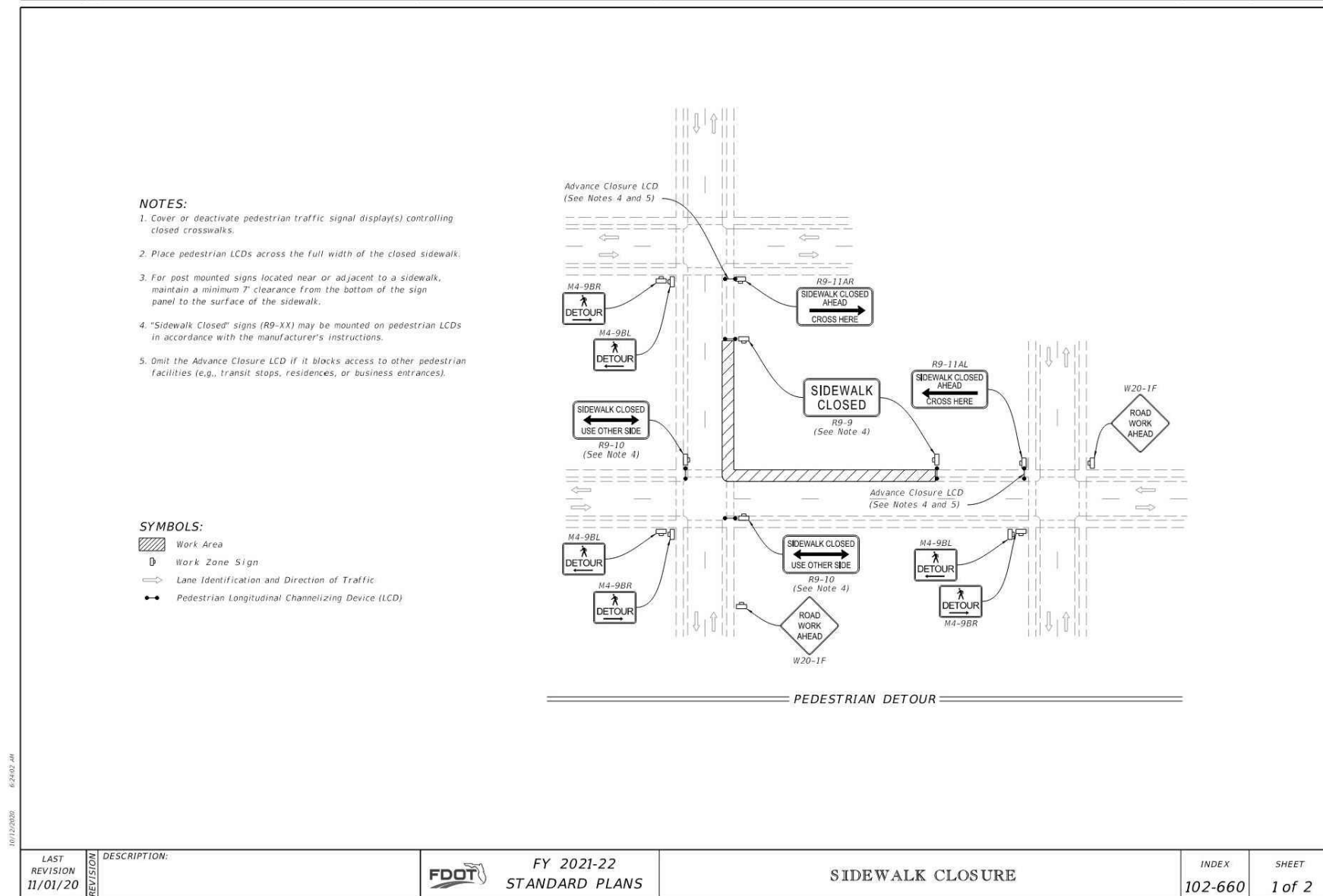
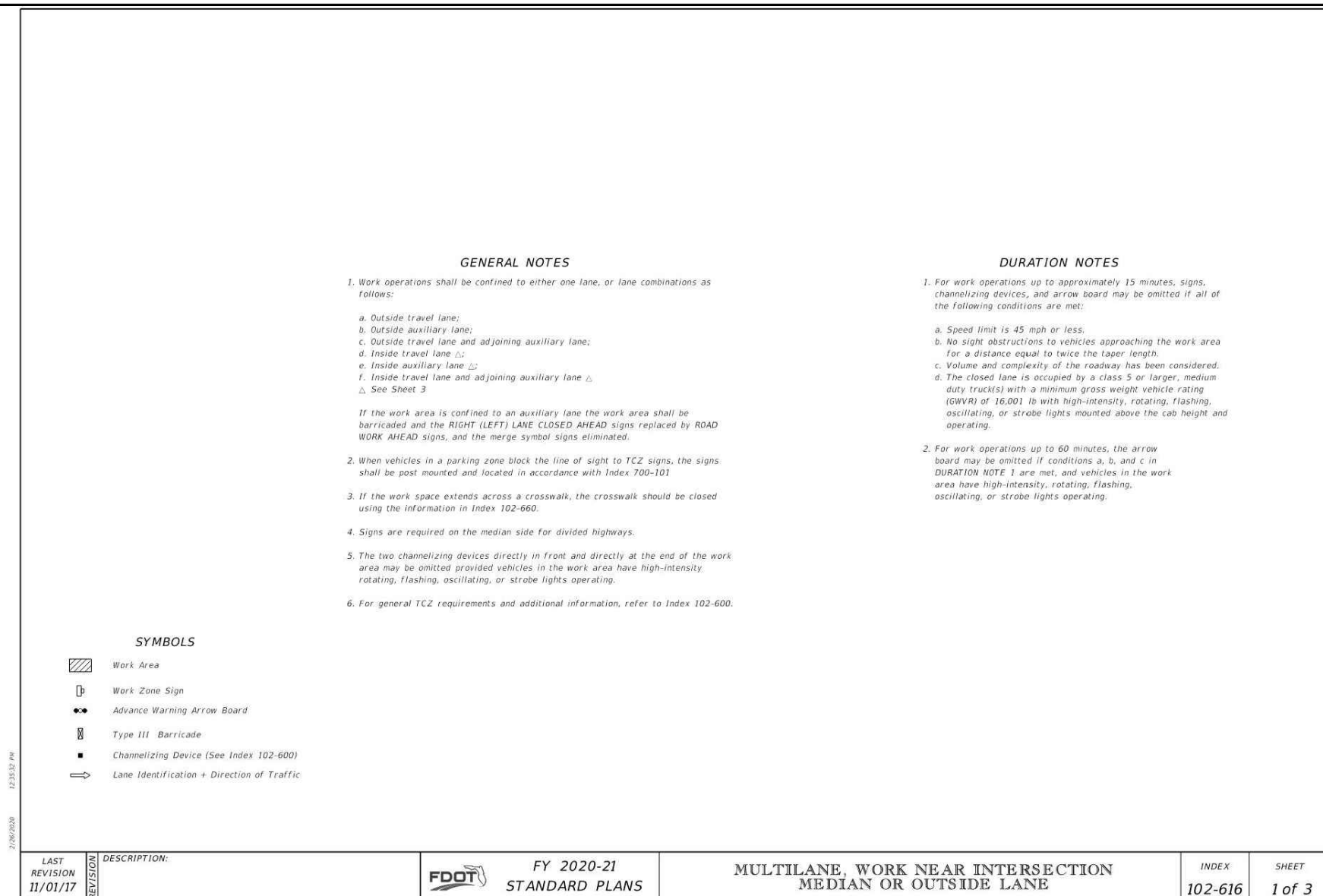
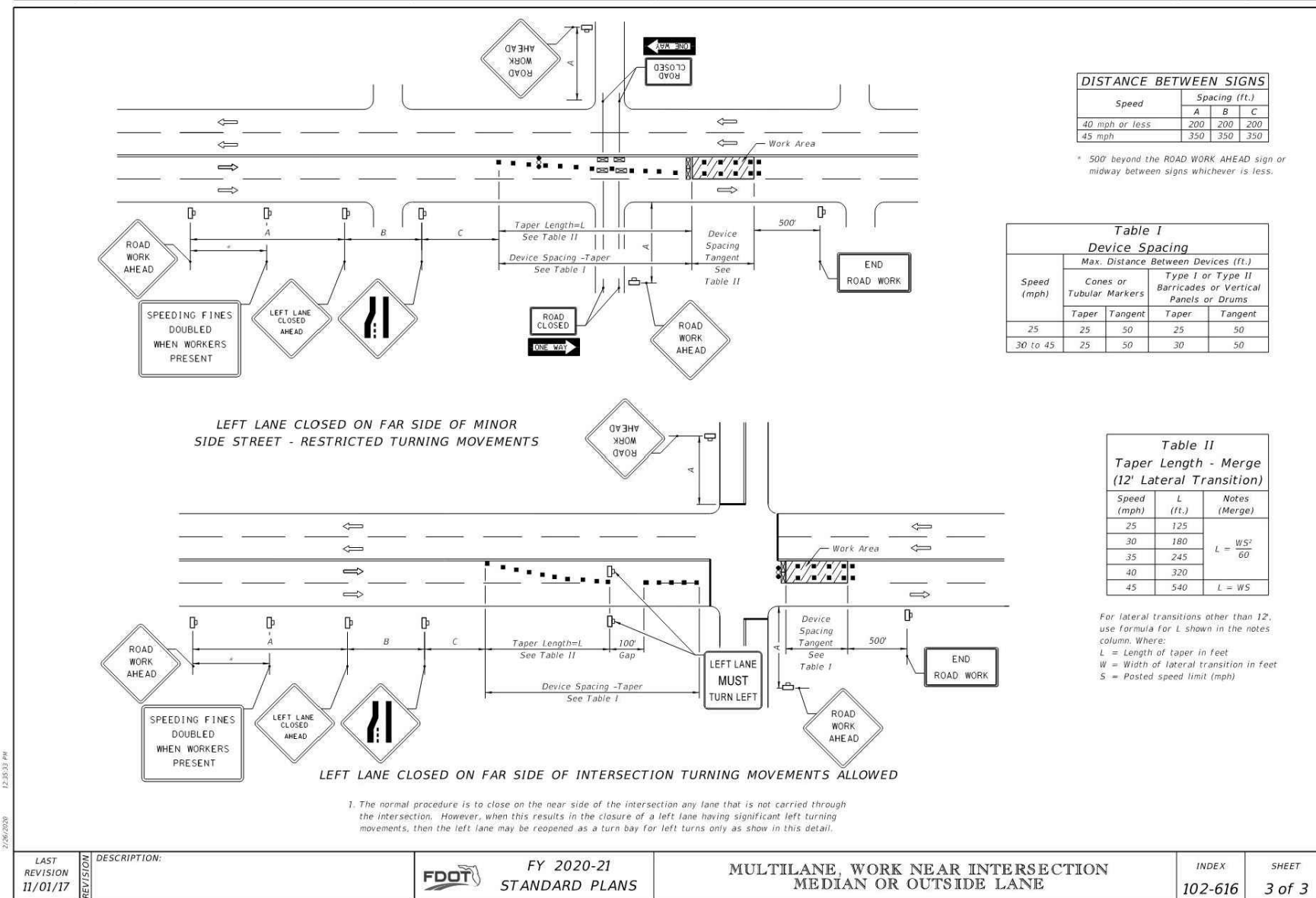
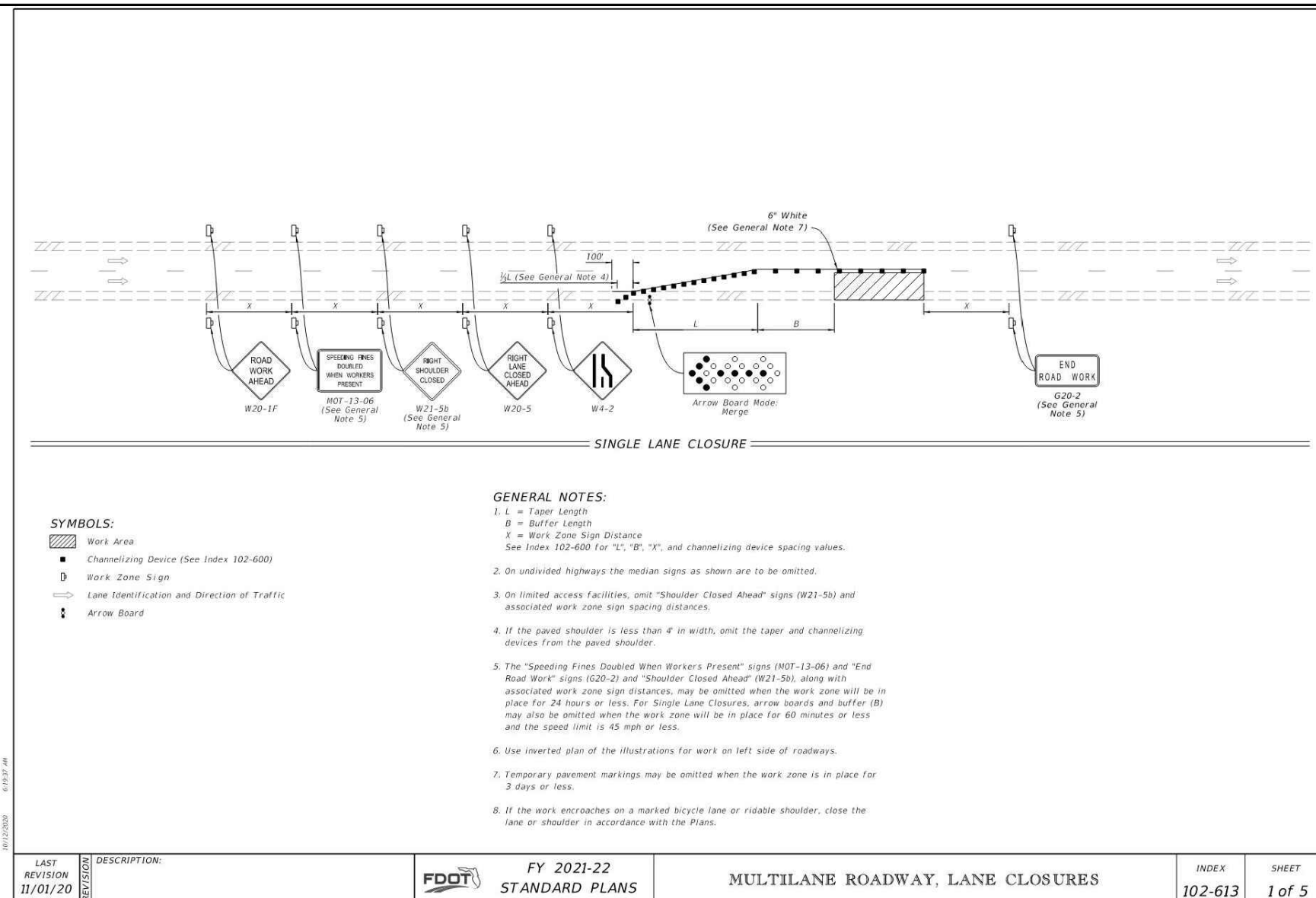
ÁNGEL PIÑERO

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE:
**OFF-SITE ROADWAY
IMPROVEMENT PLAN**

SCALE: (H) AS NOTED (M) NOTED
PROJECT No: 2451-99-038
DATE: 03/26/2021

SHEET No: **C6.00** Rev. #: **3**



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www.dynaminicec.com

MICHAEL D. MILES

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 81313

ÁNGEL PIÑERO

PROFESSIONAL ENGINEER
FLORIDA LICENSE No. 88047

TITLE: M.O.T. DETAILS

SCALE: (H) AS (V) NOTED	DATE: 03/26/2021
PROJECT No: 2451-99-038	

SHEET No:	Rev. #:
C6.01	3