



I. GENERAL NOTES

- 1. THE CONTRACTOR AND ALL SUBCONTRACTORS, HEREINAFTER REFERRED TO AS "CONTRACTOR", SHALL HAVE SOMEONE TO RECEIVE CALLS AND DISPATCH PROPER PERSONNEL AND EQUIPMENT ON A TWENTY-FOUR (24) HOUR BASIS FOR EMERGENCIES.
2. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT AS REQUIRED TO ACCOMPLISH THE SPECIFIED WORK.
3. THE CONTRACTOR IS ADVISED NOT TO SCALE FROM DRAWINGS BUT TO FIELD VERIFY ALL DIMENSIONS. THE DIMENSIONS OF SPECIFIED AND FURNISHED PRODUCTS AND MATERIALS TAKE PRECEDENCE OVER DIMENSIONS AND NOTES SHOWN ON THE DRAWINGS.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION," HEREINAFTER REFERRED TO AS FDOT SPECS.
5. ALL ASPECTS OF THE STORM WATER, DRAINAGE AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.
6. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND CITY OF PENSACOLA. ANY DEVIATIONS MAY RESULT IN DELAYS IN CITY OR OWNER ACCEPTANCE OF IMPROVEMENTS.

II. CONTRACTUAL NOTES

- 1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF ALL CONSTRUCTION SCHEDULES. ALL COSTS INCURRED BY THE CONTRACTOR FOR THE COORDINATION EFFORTS WILL BE INCIDENTAL TO EXISTING PLY ITEMS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, ALL APPROVED PERMITS, AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
3. DRAWING GEOMETRY, INCLUDING ALL DIMENSIONS GIVEN, IS APPROXIMATE AND DOES NOT PURPORT TO BE ABSOLUTELY CORRECT. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS SHALL BE BASED.
4. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
5. ALL DIMENSIONS SHOWN ARE COMPACTED DIMENSIONS.
6. THE CONTRACTOR IS DIRECTED TO PERFORM HIS OWN SITE INSPECTION TO HIS SATISFACTION PRIOR TO BID AND ACQUAINT HIMSELF THOROUGHLY WITH ALL EXISTING FACILITIES AND CONDITIONS AND TO INCLUDE ANY REASONABLE CONTINGENCIES IN HIS BID.
7. THE LOCATIONS OF NEW UTILITIES AND STRUCTURES SHOWN ARE APPROXIMATE. FINAL PROJECT LOCATION MAY REQUIRE FIELD ADJUSTMENT BY THE ENGINEER UPON THE CONTRACTOR'S VERIFICATION OF ALL UTILITIES.
8. IN NO CASE SHALL THE CONTRACTOR RECEIVE ADDITIONAL COMPENSATION TO FINAL GRADES AND LINES ADJUSTMENTS MADE DUE TO THE LOCATION OF EXISTING UTILITIES.
9. NO DIRECT PAYMENT SHALL BE MADE FOR EXTRA BURY ON THIS PROJECT.
10. ANY DAMAGE TO STREET SURFACING OR DRIVEWAYS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. ACCEPTANCE OF SUCH REPAIRS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. FAILURES OF BASE AND SURFACING DUE TO NORMAL USE OF STREET SURFACE SHALL NOT BE CONSIDERED AS DAMAGE.
11. EARTHWORK IS BASED ON ESTIMATED QUANTITIES AND THE ENGINEER SHALL DETERMINE THE FINAL QUANTITIES UPON COMPLETION OF ALL REQUIRED WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS WORK OPERATIONS TO EXISTING FACILITIES TO REMAIN.
13. ALL GEOTECHNICAL INFORMATION THAT WAS USED BY THE ENGINEER, IS AVAILABLE TO THE CONTRACTOR, A COPY IS INCLUDED IN THE SPECIFICATIONS INDICES.
14. THE CONTRACTOR, AT HIS EXPENSE, MAY TAKE ADDITIONAL TEST BORINGS AND EXPLORATORY INVESTIGATIONS PRIOR TO BIDDING AND DURING THE LIFE OF THE CONTRACT. COORDINATION WITH THE ENGINEER IS REQUIRED.
15. THE CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES, (SIZE, MATERIAL OF CONSTRUCTION, ELEVATION, ETC.) TO HIS SATISFACTION.
16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM.
17. THE CONTRACTOR AND FOREMAN ASSIGNED TO THIS PROJECT SHALL ATTEND A MANDATORY PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING WORK.
18. WHEN THE CONTRACT DOES NOT INCLUDE A PAY ITEM FOR A REQUIRED EFFORT, PERFORMANCE OF SUCH EFFORT IS CONSIDERED AN INCIDENTAL (LABOR AND MATERIAL) TO THE MAIN EFFORT. PAYMENT FOR SUCH ITEM SHALL BE INCLUDED IN THE MOST APPLICABLE PAY ITEM.
19. WHEN THE CONTRACT DOES NOT INCLUDE A PARTIAL PAYMENT METHOD FOR COMPUTING A LUMP SUM ITEM, THE PARTIAL PAYMENT SHALL BE LIMITED TO THE ENGINEER'S ESTIMATED PERCENT COMPLETE OF THE WORK REQUIRED UNDER THIS ITEM. WHEN THE EFFORT IS SPREAD THROUGHOUT THE CONTRACT DURATION, THE PERCENT OF WORK COMPLETED SHALL NOT EXCEED THE PERCENT COMPLETE OF THE TOTAL CONTRACT.
20. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES.

III. SITE NOTES

- 1. GRADE ALL AREAS WITHIN THE CONSTRUCTION LIMITS TO PROVIDE UNIFORM CONTOURS AND GRADES SO THAT DRAINAGE FLOW, GRASS MOWING AND CUTTING OPERATIONS ARE NOT HINDERED BY TERRAIN IRREGULARITY. PERFORM THIS WORK REGARDLESS OF WHETHER THE IRREGULARITIES WERE THE RESULT OF CONSTRUCTION OPERATIONS OR EXISTED ORIGINALLY. ALL DISTURBED AREAS TO BE DRESSED, SEEDED/SODDED, FERTILIZED, WATERED AND MAINTAINED THROUGHOUT THE CONTRACT.
2. ANY DAMAGE TO THE EXISTING GROUNDS IN AREAS OUTSIDE OF THE LIMITS OF CONSTRUCTION FOR THIS PROJECT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AS DIRECTED BY THE PROJECT ENGINEER.
3. ALL AREAS TO BE CUT OR FILLED SHALL BE CLEARED AND GRUBBED. ALL RIGHT-OF-WAYS, EASEMENTS, AND THE RETENTION POND AREA ARE TO BE CLEARED AND GRUBBED. CLEARING AND GRUBBING SHALL BE AS PER SECTION 110 OF THE FDOT SPECIFICATIONS.
4. EXISTING UTILITIES AND STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHOULD PREVENT DAMAGE TO TREES OUTSIDE OF, BUT WITHIN CLOSE PROXIMITY TO THE PROJECT'S LIMITS OF CONSTRUCTION. GRADING AROUND TREES DESIGNATED TO REMAIN SHALL BE PERFORMED IN A MANNER THAT WILL NOT CAUSE ANY DAMAGE TO THE TREES. AT A MINIMUM, WORK AROUND TREES DESIGNATED TO REMAIN SHALL BE PLACED OUTSIDE THE DRIP LINE OF THE TREES.
6. NO DIRECT PAYMENT SHALL BE MADE FOR THE INCIDENTAL REMOVAL AND DISPOSAL OF TREES, SHRUBS AND DEBRIS. ALL DISPOSALS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.
7. WHEN TREE REMOVAL IS AUTHORIZED BY THE ENGINEER FOR TREES DESIGNATED TO REMAIN BEING LESS THAN SIX (6") IN DBH, TWO (2") INCH IN DIAMETER, SUCH TREES SHALL BE REMOVED, CAREFULLY PRESERVED AND REPLANTED BY THE CONTRACTOR. RESTORATION OF TREES WITHIN THE CONSTRUCTION SERVITUDE SHALL NOT BE CONSIDERED A WARRANTY ITEM. RESTORATION OF TREES OUTSIDE THE CONSTRUCTION SERVITUDE SHALL BE CONSIDERED A WARRANTY ITEM.
8. ALL ROADSIDE DITCHES AND AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE CONSTRUCTION SERVITUDE ARE TO BE SLOPED TO DRAIN, GRADED, SEEDED AND FERTILIZED WITHIN 30 DAYS AFTER CONSTRUCTION IS COMPLETE.
9. WITHIN THIRTY- (30) DAYS OF THE INSTALLATION OF PAVEMENT ALL FINAL DRESS UP AND RESTORATION WORK MUST BE COMPLETED. ALL CONSTRUCTION AND CLEAN UP WORK MUST BE COMPLETED BY THE CONTRACTOR AT THE SAME TIME. FAILURE TO MEET THIS REQUIREMENT SHALL CAUSE ALL WORK TO CEASE UNTIL COMPLIANCE IS ACHIEVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL OBSTRUCTIONS WITHIN THE LIMITS OF WORK SUCH AS FENCING, STREET SIGNS, STOP SIGNS, (MAIL BOXES WHEN DIRECTED BY THE ENGINEER) AND MISCELLANEOUS OBSTRUCTIONS. ANY SUCH OBJECTS REMOVED SHALL BE REPLACED WITHIN A 24-HOUR PERIOD, IF A TRAFFIC SIGN IS REMOVED, A PORTABLE TEMPORARY SIGN SHALL BE INSTALLED UNTIL THE PERMANENT SIGN CAN BE REPLACED. PAYMENT FOR THIS EFFORT SHALL BE UNDER "REMOVAL OF STRUCTURES AND OBSTRUCTIONS" PAY ITEM.
11. RELOCATION OF THE OBSTRUCTIONS OWNED BY PRIVATE PROPERTY OWNER, SUCH AS MAILBOXES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO MUST COORDINATE WITH THE PROPERTY OWNER.
12. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, STORM DRAINS, WATER OR GAS PIPES, ELECTRICAL CONDUITS, POLES, WALLS, POSTS, ETC., ARE TO BE CAREFULLY PROTECTED & ARE NOT TO BE DISPLACED, UNLESS NOTED.

- 13. ANY EXCESS MATERIALS REMOVED DURING CONSTRUCTION AND DEEMED REUSABLE BY THE ENGINEER SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND BECOME THE PROPERTY OF THE OWNER. ALL OTHER MATERIALS SHALL BE HAULED OFF BEYOND THE LIMITS OF THE PROJECT AT NO ADDITIONAL EXPENSE TO THE OWNER.
14. BEGIN EXCAVATION AND CLEARING OPERATIONS AT THE DOWNSTREAM END OF CHANNELS, STREAMS OR DITCHES AND PROCEED UPSTREAM, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
15. ALL TRANSVERSE JOINTS SHALL BE SAW CUT.
16. ANY EXISTING AREAS WHICH ARE DISTURBED AS A RESULT OF CONSTRUCTION SHALL BE SHAPED, AS NECESSARY, SO THAT IT SHALL NOT IMPEDE STORM WATER RUNOFF. CONTRACTOR TO INSURE ALL GROUND COVER TO BE FULLY ESTABLISHED PRIOR TO FINAL COMPLETION.
17. ALL EXISTING STORM WATER DRAINAGE PATTERNS AND CHANNELS ARE TO BE MAINTAINED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE WORK APPEARS TO INTERRUPT AN EXISTING STORM WATER DRAINAGE PATTERN. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL USE BEST MANAGEMENT PRACTICES TO MANAGE STORM WATER SUCH THAT IMPACT TO CONSTRUCTION AND/OR SURROUNDING FACILITIES IS MINIMIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION, SEDIMENT TRANSPORT, DISTURBED FOUNDATIONS AND IMPACT TO STRUCTURES, AND ANY OTHER DAMAGE CAUSED DURING CONSTRUCTION.
18. ALL WALKWAY PATHS AND INTERSECTIONS SHALL MEET FLORIDA ADA REQUIREMENTS (LATEST EDITION).
19. ALL SIDEWALK, CURB, ROADWAY AND BASE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT SPECIFICATIONS, LATEST EDITION.
20. CONTRACTOR SHALL NOTIFY THE PROJECT OWNER AND ENGINEER OF ALL DISCOVERED UNDERGROUND STRUCTURES WHICH ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AND ARE NOT INDICATED ON THE CONTRACT PLANS OR LOCATED IN THE FIELD BY UTILITIES IN ACCORDANCE WITH NOTES HEREON.
21. EXISTING IRRIGATION SYSTEMS THAT MUST BE REMOVED SHALL BE REPLACED WITH EQUAL OR BETTER MATERIAL.

IV. UTILITY NOTES

- 1. THE CONTRACTOR IS ADVISED THAT EXISTING OVERHEAD AND UNDERGROUND UTILITIES SUCH AS (BUT NOT LIMITED TO) ELECTRICAL LINES AND POLES, TELEPHONE CABLES, TELEVISION CABLES, GAS LINES, WATER LINES, AND SANITARY SEWERS MAY EXIST IN THE CONSTRUCTION LIMITS WHERE THE PROPOSED IMPROVEMENTS ARE REQUIRED. UTILITY FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE LOCATIONS (NOT SCALEABLE) AND DO NOT INCLUDE SERVICE LOCATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING & PROTECTING EXISTING UTILITIES PRIOR TO THE PERFORMANCE OF WORK TO BE INSTALLED UNDER THIS CONTRACT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES, PROBE OR EXPOSE THEM BY HAND EXCAVATION, AND FOLLOW ALL APPLICABLE OSHA REGULATIONS AT NO COST TO THE OWNER. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF LOCATING, PRESERVING & PROTECTING SAID UTILITY OR STRUCTURES.
2. THE CONTRACTOR SHALL FIELD LOCATE AND INCLUDE CONSIDERATION OF EXISTING UTILITIES IN PLANNING AND PRIOR TO EXCAVATION OF UNDERGROUND UTILITIES. THESE PLANS ARE BASED ON INFORMATION PROVIDED BY THE UTILITIES AND SHALL BE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO THE STARTING OF CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
3. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE EXECUTION OF WORK UNDER THIS CONTRACT SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR INCREASE TO CONTRACT TIME. IF THE OWNER DOES NOT ASSUME OR IMPLY TO ANY LIABILITY FOR THE LOCATION, PROTECTION, AND/OR REPAIR OF ANY EXISTING UTILITIES THAT MAY OCCUPY JOINT RIGHT-OF-WAY OR OTHERWISE CONFLICT WITH THE CONSTRUCTION OF THE WORK TO BE INSTALLED UNDER THIS CONTRACT.
4. THERE SHALL BE NO DIRECT PAYMENT FOR LOCATING, EXPOSING, AND BRACING EXISTING UTILITY LINES WHERE REQUIRED. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN TRENCHING IN AREAS NEAR UTILITIES. SHOULD CONFLICTS OCCUR WHICH CAUSE THE LOCATION OF LINES AND GRADES, STORM DRAIN, MAINS OR SERVICES REQUIRED UNDER THIS CONTRACT TO BE CHANGED, THE SAME CONTRACT UNIT PRICES SHALL PREVAIL.
5. WHEN IT IS NECESSARY TO PERFORM WORK ACROSS A STREET BY OPEN CUT METHODS, THE PAVEMENT SHALL BE REPAIRED WITHIN SEVEN (7) DAYS AFTER BACKFILL HAS BEEN COMPLETED TO THE BASE OF THE PAVEMENT. APPROVAL SHALL BE OBTAINED FROM THE CITY AT LEAST 48 HOURS BEFORE CUTTING ANY STREET.
6. SHEATHING OR TRENCH BOXES WILL BE REQUIRED ON ALL EXCAVATIONS (WHERE REQUIRED BY OSHA) INCLUDING, OR AS OTHERWISE DIRECTED BY THE ENGINEER. SHEATHING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS. SHEATHING INSTALLED AND SUBSEQUENTLY REMOVED SHALL BE AT NO DIRECT PAY. SHEATHING INSTALLED AND ORDERED LEFT IN PLACE BY THE ENGINEER SHALL BE PAID FOR PER FOR "TEMPORARY SHEETING" WHEN INCLUDED IN THE BID FORM.
7. ANY OPEN EXCAVATION NEAR A RESIDENCE OR THE EDGE OF A ROADWAY SHALL BE BACKFILLED OR PROPERLY SECURED WITH BARRICADES AND FLASHING LIGHTS. IN ADDITION, THE CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, TORCHES, RED LANTERNS AND GUARDS DURING PROGRESS OF CONSTRUCTION WORK, IN ACCORDANCE WITH APPLICABLE MUTCD INDEX.
8. PROVIDE MATTING OVER ALL BURIED PIPELINES TO PROTECT UTILITIES FROM CONSTRUCTION TRAFFIC.
9. UNLESS NOTED OTHERWISE, UTILITIES SHALL BE RELOCATED OR ADJUSTED BY OTHERS. CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITIES AS REQUIRED IN THE SPECIFICATIONS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE TOP ELEVATION OF ALL WATER VALVE BOXES, MANHOLES, AND INLETS AS REQUIRED TO MATCH NEW GRADES (TO A TOLERANCE OF 1/4" +/- FROM FINISHED GRADE).
13. ALL PROPOSED UNDERGROUND UTILITIES WITHIN RW OR UTILITY CONDUIT FOR ROAD CROSSINGS SHALL BE INSTALLED PRIOR TO PAVING.
14. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, TELEPHONE & POWER COMPANIES 10 DAYS IN ADVANCE THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE CONTRACTOR SHALL NOT BE ALLOWED TO TRENCH UNTIL ALL EXISTING UTILITIES ARE LOCATED.
15. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT & PROTECTION OF SEWERS, DRAINS, WATER PIPES, GAS PIPES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE OR RIGHT-OF-WAY.
16. PVC SANITARY SEWER FORCE MAIN SHALL BE DR 25 PER AWWA C900 OR SDR 26 PER ASTM C906 AND COLORED GREEN OR BROWN WITH 8 GAUGE BROWN INSULATED TRACER WIRE, UNLESS OTHERWISE NOTED.
17. WATER PIPE TO BE P.V.C. AWWA C 900, DR 25.
18. THE WATER SUPPLY FACILITIES, INCLUDING MAINS, SHALL BE INSTALLED, CLEANED, DISINFECTED & BACTERIOLOGICALLY CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS & COORDINATED WITH CITY OF FT. WALTON BEACH INSPECTOR & QUALITY CONTROL SUPERVISOR.
19. A MINIMUM SEPARATION OF 10 FEET HORIZONTALLY OR 18 INCHES VERTICALLY MUST BE MAINTAINED BETWEEN WATER & SEWER LINES. IF THIS SEPARATION IS NOT POSSIBLE, THE SEWER LINE MUST BE ENCASED IN CONCRETE.
20. WATER MAINS ARE TO HAVE A MINIMUM COVER OF 30 INCHES & A MAXIMUM COVER OF 36 INCHES UNLESS APPROVED OTHERWISE BY ECUA
21. ALL UTILITY WORK WITHIN WETLANDS, WILDLIFE HABITAT OR ASSOCIATED BUFFER ZONE SHALL BE PERFORMED IN COMPLETE AND MOST RESTRICTIVE ADHERENCE TO THE APPLICABLE PERMITS. IN ABSENCE OF A SPECIFIC PERMIT, ALL UTILITY ABANDONMENT SHALL BE IN PLACE AND ALL NEW WORK SHALL BE BY DIRECTIONS BORINGS.
22. THE CONTRACTOR SHALL ADHERE TO THE LATEST NATIONAL ELECTRICAL CODE (NEC), SERVICES RUN EXPOSED, SHOULD BE RUN IN RIGID GALVANIZED STEEL CONDUIT (RGS) OR PVC SCHEDULE 80 IF NOT SUBJECT TO PHYSICAL DAMAGE.
23. THE CONTRACTOR SHALL NOTIFY SUNSHINE UTILITIES (1-800-432-4770), 48 HOURS IN ADVANCE TO ANY DIGGING RELATED TO THIS PROJECT.
24. TEMPORARY EXCAVATION SUPPORT MAY BE NECESSARY TO PROTECT ADJACENT PROPERTY, UTILITIES, AND THE WORK SITE WHERE SANITARY SEWER, FORCE MAIN, AND LIFT STATION INSTALLATION IS AT A DEPTH GREATER THAN THAT DEFINED UNDER OSHA (29 CFR 1926.850 SUBPART P.). LATEST REVISION, IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ADJACENT PROPERTY, UTILITY AND WORK SITE ARE ADEQUATELY PROTECTED IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCY REQUIREMENTS. MANUFACTURED AND SITE SPECIFIC EXCAVATION SUPPORT AND PROTECTION SYSTEMS SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. THE COST ASSOCIATED WITH EXCAVATION SUPPORT AND PROTECTION IS TO BE INCLUDED IN THE UNIT COST BID FOR EACH ITEM OF WORK REQUIRING THE SAME.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILIZING ACCEPTABLE MEANS AND METHODS, AS NECESSARY TO PLACE AND COMPLETELY BACKFILL TO FINISHED GRADE NEW MAINS AND STRUCTURES IN A WATER FREE EXCAVATION. THE MEANS AND METHODS OF DE-WATERING THE EXCAVATION SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE. THE COST ASSOCIATED WITH EXCAVATION DE-WATERING IS TO BE INCLUDED IN THE UNIT COST BID FOR EACH ITEM OF WORK REQUIRING THE SAME.
26. CONTRACTOR TO COORDINATE WITH RESPONSIBLE UTILITY FOR PROTECTION/HOLDING OF UTILITY POLES, GUY WIRES, AND GUY ANCHORS IN AREAS OF CONSTRUCTION.
27. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE LAYOUT OF THE SANITARY SEWER AND SERVICE LATERALS. ANY DEVIATION FROM THE PRESCRIBED ALIGNMENT NECESSARY TO AVOID CONFLICTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OR OWNER.

28. CONTRACTOR IS ADVISED THAT ALL PIPE IS SUBJECT TO CAMERA INSPECTION PRIOR TO ACCEPTANCE.

29. THE UTILITY CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE SAME SCALE AS THESE CONTRACT DRAWINGS. ONE COPY TO THE ENGINEER AND ONE COPY TO THE LOCAL UTILITY AUTHORITIES. THESE DRAWINGS SHALL LOCATE ALL SEWER APPURTENANCES CONSTRUCTED AS PART OF THIS PROJECT. FINAL "AS-BUILT" DRAWINGS TO BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS AFTER COMPLETION OF WORK.

V. DRIVEWAY/PARKING LOT CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL BE REQUIRED TO COMPACT THE BACKFILL BENEATH ALL COMMERCIAL AND RESIDENTIAL DRIVEWAYS TO 98% OF MAXIMUM DENSITY. SAFE ACCESS TO PRIVATE AND COMMERCIAL PROPERTY MUST BE RESTORED AS SOON AS POSSIBLE AFTER TRENCHING.
2. PROVIDE THICKNESS AND DENSITY TEST FOR SURFACE COURSE; BEARING CAPACITY AND DENSITY TEST FOR BASE AND SUB-BASE AT INTERVALS OF NO MORE THAN 300 FEET, STAGGERED LEFT, RIGHT AND ON CENTERLINE.
3. ENTIRE ROADWAY SUBGRADE SHALL BE PROOF-ROLLED WITH A LOADED DUMP TRUCK FOLLOWING ROUGH GRADING IN THE PRESENCE OF THE PROJECT INSPECTOR. ANY PUMPING AND/OR YIELDING SHALL BE UNDERCUT TO FIRM UNDERLYING SOILS AND BACKFILLED WITH SATISFACTORY MATERIAL. SUITABLE FOR SUB-BASE MATERIALS SHALL BE INSTALLED IN MAXIMUM 8 INCH LIFTS AND COMPACTED IN ACCORDANCE WITH FDOT SPECIFICATIONS. WORK TO BE PAID FOR AS REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL (IN PLACE MEASURE). THE REMOVAL REPLACEMENT OF WET MATERIAL, WHICH IS OTHERWISE, CONSIDERED, AS SATISFACTORY SOIL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEE GEOTECHNICAL REPORT FOR RECOMMENDATIONS.
4. MECHANICAL SPREADER SHALL BE USED TO APPLY ALL ASPHALT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. ALL SUBGRADE MATERIAL DETERMINED TO BE UNSUITABLE SHALL BE REMOVED TO A DEPTH OF AT LEAST 2 FEET BELOW THE PAVEMENT BASE AND BACK FILLED WITH CLEAN SAND AND 6" LIME ROCK BASE MATERIAL. UNSUITABLE MATERIAL REMOVAL SHALL EXTEND A DISTANCE OF AT LEAST ONE FOOT BEYOND THE EDGE OF PAVEMENT ON EACH SIDE OF THE ROADWAY OR PARKING. FOR ADDITIONAL DETAILS, SEE FDOT ROADWAY AND TRAFFIC STANDARD, LATEST EDITION. WORK UNDER THIS ITEM SHALL COMPLY WITH FDOT SPECS DESIGN COMPACTION REQUIREMENTS.

VI. SIGNING & TRAFFIC NOTES

- 1. BUSINESSES WITHIN THE AREA OF CONSTRUCTION SHALL HAVE ACCESS TO THEIR PROPERTY DURING ALL STAGES OF CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN THRU TRAFFIC ON EXISTING STREETS AT ALL TIMES BY USING ADEQUATE FLAG MEN AND BARRICADES.
3. ALL SIGNS, BARRICADES, MARKERS, TRAFFIC CONTROL AND WARNING DEVICES, ETC. SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF "UNIFORM TRAFFIC AND CONTROL DEVICES", AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL MINIMIZE THE OCCURRENCE AND DURATION OF ROAD CLOSURES AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE DISRUPTION.
5. SIGNS THAT ARE TO BE REMOVED FROM THE PROJECT SHOULD BE STOCKPILED SEPARATELY FROM THOSE THAT ARE TO BE RELOCATED.
6. THE CONTRACTOR TO READJUST THE LOCATION OF ANY SIGN WITHIN THE PROJECT LIMITS TO INSURE PROPER VISIBILITY.
7. WHEN DIRECTED BY THE ENGINEER, EXISTING STREET AND ROAD NAME SIGNS WITHIN THE PROJECT VICINITY MAY BE TEMPORARILY RELOCATED DURING CONSTRUCTION AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.
8. ALL PAVED AREAS WITHIN THE VICINITY OF THE PROJECT, WHICH ARE DISTURBED AS A RESULT OF CONSTRUCTION SHALL BE REMARKED AND RE-STRIPED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL DOCUMENT THE LAYOUT OF THE EXISTING PAVEMENT MARKINGS AND STRIPING (NOT SHOWN ON THESE DRAWINGS). THE NEW PAVEMENT MARKINGS AND STRIPING SHALL BE INSTALLED IN SUCH A MANNER AS TO MATCH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL EXERCISE CAUTION TO ENSURE ALL STOP BARS AND TURN ARROWS ARE REPLACED IN THEIR EXISTING LOCATIONS EXACTLY.
9. ALL PAVEMENT MARKINGS SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
10. THE CONTRACTOR SHALL MAINTAIN TRAFFIC DURING CONSTRUCTION ON ALL STATE, COUNTY, CITY & PRIVATE ROADS IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, FDOT (LATEST EDITION).
11. ALL STREET NAME SIGNS SHALL BE PLACED MIDWAY THROUGH THE TURNING RADIUS APPROXIMATELY 10 FEET FROM THE EDGE OF PAVEMENT.
12. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL IN ACCORDANCE WITH FDOT (LATEST EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS.
13. EXISTING PAVEMENT STRIPING SHALL BE REPLACED IN AREAS OF ASPHALT OVERLAY.

VII. SURVEYING NOTES

- 1. GRADES SHOWN ARE FINISHED GRADES.
2. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS WHICH MAY BE DISTURBED BY CONSTRUCTION. RESTORATION OF PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING & FOR TRANSFERRING AN ADEQUATE NUMBER OF BENCHMARKS TO CONSTRUCT THE PROJECT TO THE LINE & GRADES SHOWN ON THE PLANS.
THE CONTRACTOR IS RESPONSIBLE FOR EFFECTIVE CONSTRUCTION LAYOUT & STAKING AS NECESSARY TO CONSTRUCT THE PROJECT ACCORDING TO THE LINES & GRADES AS SHOWN.

VIII. REGULATORY AND PERMITTING REQUIREMENTS:

- 1. TO COMPLY WITH NPDES REQUIREMENTS, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/4" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS; INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER RECORDING TO FDEP.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILIZING ACCEPTABLE MEANS AND METHODS, AS NECESSARY TO COMPLETELY BACKFILL TO FINISHED GRADE THE NEW STORMWATER SYSTEM IN A WATER FREE EXCAVATION. THE MEANS AND METHODS OF DEWATERING THE EXCAVATION SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE (INCLUDING FAC CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY"). IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED PERMITTING ASSOCIATED WITH THE INSTALLATION OF A DEWATERING SYSTEM. THE COST ASSOCIATED WITH EXCAVATION DEWATERING IS TO BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEMS OF WORK REQUIRING EACH.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & COMPLY WITH ANY TESTING REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE SPECIFICATIONS. DENSITY TESTING & CORE SAMPLES WILL BE REQUIRED TO DEMONSTRATE COMPLIANCE WITH STANDARDS PRIOR TO FINAL APPROVAL OF ROADWAY IMPROVEMENTS.
4. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATIONS.
5. CONTRACTOR SHALL RESHAPE, CLEAN OUT ACCUMULATED SILT AND STABILIZE RETENTION/DETENTION POND(S)/EXFILTRATION TRENCH AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
6. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH WILL SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOP OF PONDS, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
7. OWNER OR AUTHORIZED AGENT TO SUBMIT "NOTICE OF CONSTRUCTION COMMENCEMENT" TO NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
8. CONSTRUCTION FOREMAN SHALL BE RESPONSIBLE FOR PROVIDING DAILY CONSTRUCTION MONITORING.
9. OWNER OR AUTHORIZED AGENT TO SUBMIT "AS-BUILT CERTIFICATION" TO NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT AT COMPLETION OF CONSTRUCTION.

IX. EROSION CONTROL NOTES

- 1. SEDIMENT & EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. TEMPORARY SEED & MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. PERMANENT VEGETATION SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5:FOOT HORIZONTAL TO 1:FOOT VERTICAL. ALL EROSION & SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE.
2. PRIOR TO CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A DETAILED AND COMPREHENSIVE EROSION AND SILTATION CONTROL PLAN THAT COVERS ALL PHASES OF CONSTRUCTION OF THE PROJECT.
3. EROSION CONTROL PLAN - CONTRACTOR SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS, ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR.
4. SLOPE PROTECTION - ANY DISTURBED OR REWORKED SLOPES SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF TEMPORARY SLOPE DRAINS, TEMPORARY GRASSING, SODDING, OR EROSION CONTROL MATS UNTIL PERMANENTLY STABILIZED.
5. HAY BALES - THESE SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS. BALES SHOULD BE DOUBLE STAKED IN ACCORDANCE WITH STANDARD INDICES. IF EROSION DEPOSITS REACH 1/2 THE EXPOSED HEIGHT OF EXISTING BALES, THEN SEDIMENTS SHOULD BE REMOVED. ANY DAMAGED OR INEFFECTIVE BALES ARE TO BE REPLACED WITH NEW ONES.
6. STOCKPILED MATERIALS - THIS MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR HAY BALES.
7. THE CONTRACTOR SHALL USE SEDIMENT AND EROSION CONTROL MEANS/DEVICES INCLUDING BUT NOT LIMITED TO HAY BALES AND SILT FENCES TO PREVENT EROSION AND SEDIMENT TRANSPORT OUTSIDE THE LIMITS OF CONSTRUCTION.
8. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER & MULCH, HYDROSEED AND/OR SOD, UNLESS OTHERWISE INDICATED. SODDING OR SEED AND MULCH SHALL BE PLACED, WATERED, FERTILIZED WITH APPROPRIATE SOIL AMENDMENTS IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS.
9. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.
10. CONTROL OF SEDIMENTATION & EROSION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
11. AREAS TO BE SODDED SHALL COMPLY WITH SECTION 575 OF THE FDOT SPECS. SOD SHALL BE HELD IN PLACE WITH PEGS DRIVEN INTO THE GROUND WHEN PLACED ON SLOPES EXCEEDING 4:1(HORIZONTAL/VERTICAL).
12. ON SITES GREATER THAN 1 ACRE, IF GREATER THAN 1 CONTIGUOUS ACRE IS CLEARED, A GROUND COVER SUFFICIENT TO PREVENT EROSION SHOULD BE PLANTED OR OTHERWISE STABILIZED WITHIN 10 WORKING DAYS ON THAT PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION WILL NOT BE UNDERTAKEN WITHIN 90 DAYS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEEDING & MULCHING AND/OR SODDING OF STREET & ROAD SHOULDER AREAS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE FDOT STANDARDS ON STATE RW.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AND COMPLY WITH A STORM WATER POLLUTION PREVENTION PLAN. THE CONTRACTOR WILL ENSURE THAT EROSION CONTROL IS INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT AND UNTIL FINAL PROJECT SITE STABILIZATION IS ESTABLISHED. THE CONTRACTOR WILL INSURE THAT EROSION CONTROL IS IMPLEMENTED AND MAINTAINED FOR ALL WETLANDS, DITCHES, STEEP SLOPES, STORM WATER INLETS AND OTHER ENVIRONMENTAL AND AESTHETIC AREAS ADJACENT TO THE PROJECT. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATIONS. COSTS FOR EROSION AND SEDIMENT CONTROL MEASURES AND STORM WATER POLLUTION PREVENTION PLAN COMPLIANCE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL ITEMS OF WORK REQUIRING SAME.
15. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE CITY ENGINEER AN INSPECTION OF THE EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO CONSTRUCTION, UNDERGROUND DRAINAGE PRIOR TO BURIAL, AND THE FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION.
16. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION.
17. DISTURBED AREAS SEEDED WITH WINTER RYE SHALL INCLUDE BAHIA MIX FOR CONTINUED GROWTH & STABILIZATION AFTER WINTER MONTHS.

X. DEMOLITION NOTES:

- 1. ALL ASPHALT AND CONCRETE SHALL BE SAW CUT AT EDGES TO REMAIN.
2. SAW CUTS SHALL BE MADE IN A NEAT WORKMAN LIKE MANNER.
3. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS, AT NO ADDITIONAL COST TO THE OWNER.
4. DRIVEWAY DEMO & RECONSTRUCTION SHALL EXTEND TO THE NEAREST EXPANSION JOINT, EDGE OF ASPHALT OR RIGHT-OF-WAY LINE, WHICHEVER IS ENCOUNTERED FIRST.

XI. EROSION CONTROL NOTES:

- 1. EROSION CONTROL MEASURES SHOWN HERE ON ARE TO BE CONSIDERED THE MINIMUM INSTALLATION REQUIREMENTS.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONTROL OF THE PROJECT. SEDIMENTATION AND PREVENTION OF EROSION WITHIN THE LIMITS OF THE PROJECT. CONTRACTOR SHALL PROVIDE ANY MATERIAL ITEM OR WORK EFFORT NECESSARY TO PREVENT EROSION AND TO MAINTAIN SEDIMENT ON-SITE THROUGHOUT THE DURATION OF CONSTRUCTION.
3. SEE GENERAL NOTES FOR ADDITIONAL EROSION CONTROL MEASURES.

Table with 3 columns: Symbol, Description, and Symbol. Legend for construction elements including telephone wire, power pole, water valve, water meter, guy wire anchor, fire hydrant, mailbox, single support sign, nail, sewer manhole, storm manhole, concrete, asphalt, chain link fence, wood fence, proposed asphalt, proposed concrete, and proposed demolition.

NOT ALL NOTES MAY APPLY

Hatch Mott MacDonald Florida, LLC logo and contact information for Architects and Engineers.

GOLF COURSE DRIVE NE & EAGLE STREET NE STORMWATER IMPROVEMENTS CITY OF FT. WALTON BEACH, FLORIDA

Revision Description table with columns: DATE, REV., and DESCRIPTION. Includes entries for APRIL 2016, S. WHITE, C. RILEY, S. WHITE, S. WHITE, and H.M.M. PROJECT NUMBER: 363524.

BID PLANS: STEVEN D. WHITE, P.E. FLORIDA LICENSE NO. 58809 DATE

SHEET TITLE: GENERAL NOTES

SHEET NUMBER: C-002









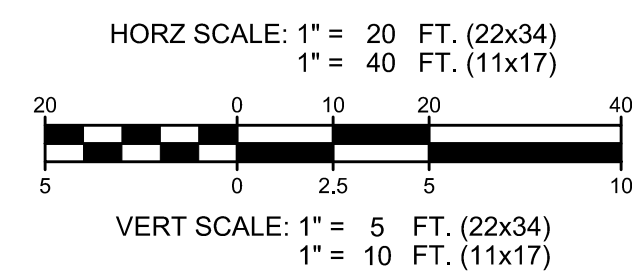
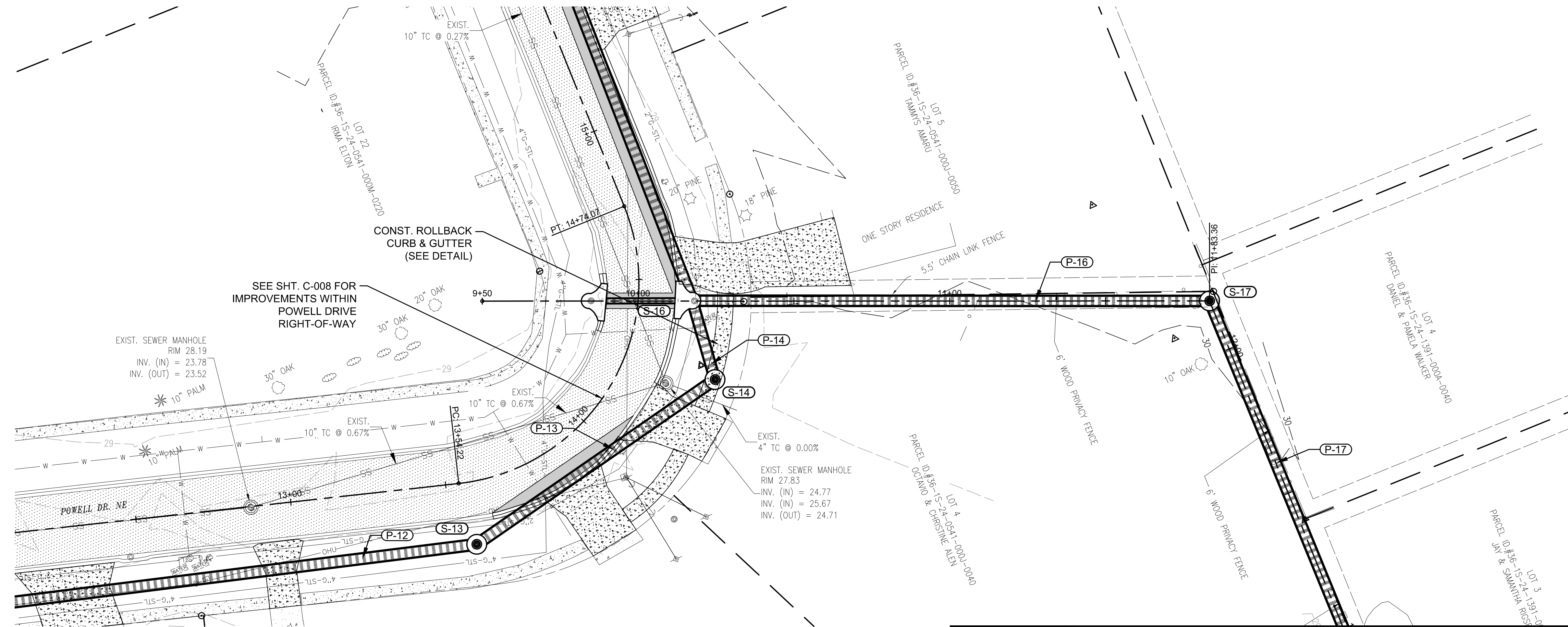










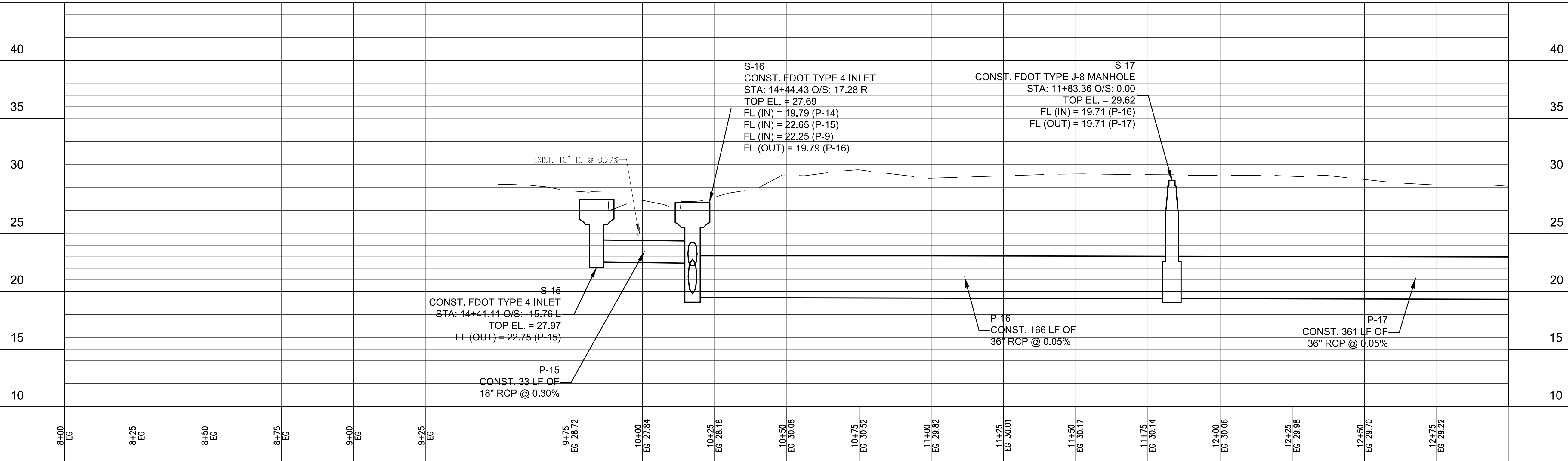


# DRAINAGE EASEMENT

MATCHLINE STA: 13+00 - SHT. C-013

NOTE:  
ALL STRIPING SHALL BE THERMOPLASTIC MATERIAL IN ACCORDANCE WITH SECTION 711 OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2016 EDITION.

45 8+00 9+00 10+00 11+00 12+00 13+00 45



DATE	REV.	REVISION DESCRIPTION
APRIL 2016		
	DESIGNED BY: S. WHITE	
	DRAWN BY: C. RILEY	
	PROJECT ENGINEER: S. WHITE	
	PROJECT MANAGER: S. WHITE	
	H.M.M. PROJECT NUMBER: 363524	

BID PLANS
DESIGNED BY: STEVEN D. WHITE, P.E. FLORIDA LICENSE NO. 58809
DRAWN BY: _____
PROJECT ENGINEER: _____
PROJECT MANAGER: _____
H.M.M. PROJECT NUMBER: _____
DATE: _____
AFTIX SEAL

SHEET TITLE:  
**PLAN & PROFILE DRAINAGE EASEMENT**  
STA:  
8+00 to 13+00

SHEET NUMBER:  
**C-012**

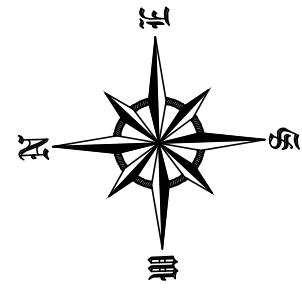
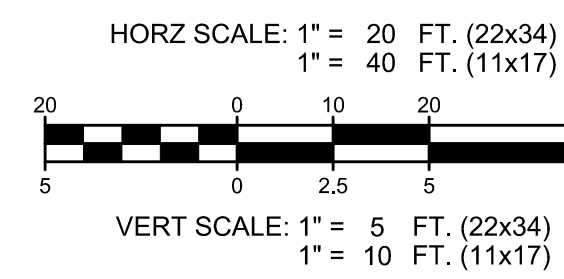
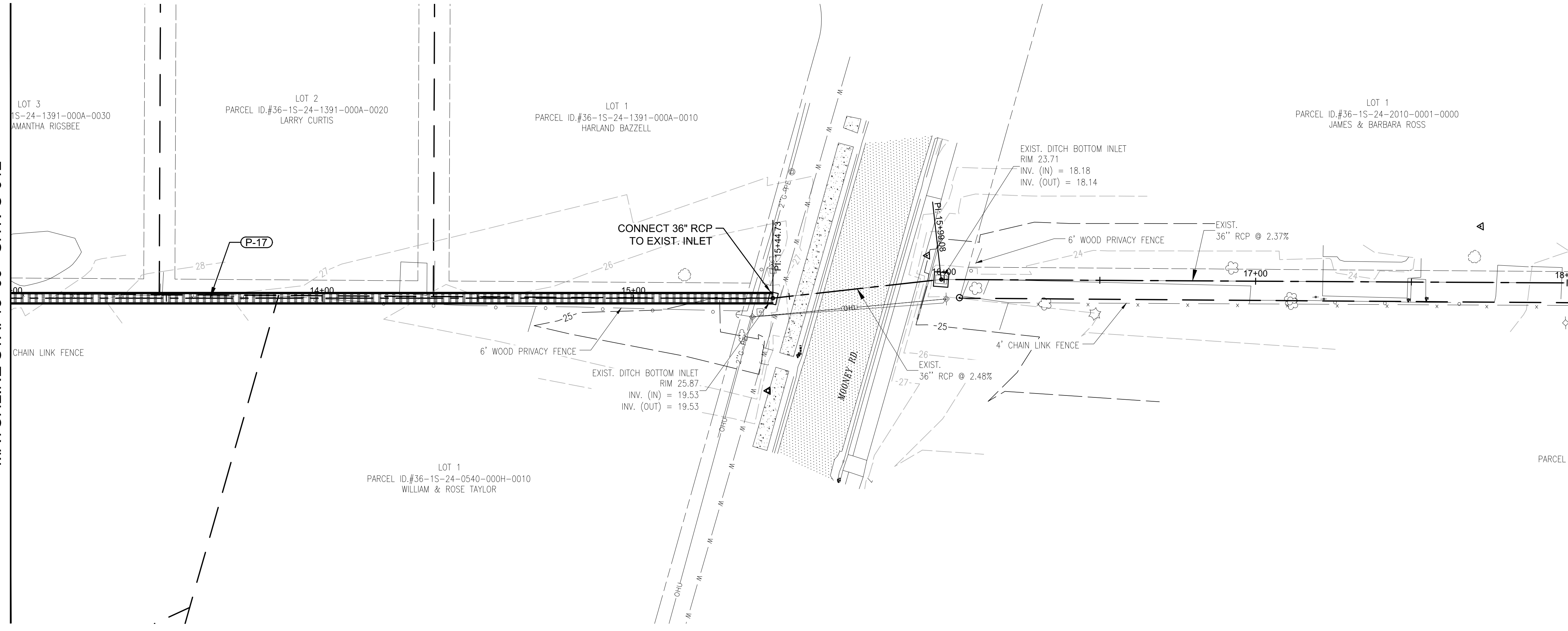
**Hatch Mott MacDonald Florida, LLC**  
Engineers Surveyors  
AA - 0000035 EB - 0000155 LB - 0006783  
220 West Garden Street, Suite 700  
Tallahassee, Florida 32304  
Telephone: (850) 864-6011 Fax: (850) 864-6199

**GOLF COURSE DRIVE NE & EAGLE STREET NE STORMWATER IMPROVEMENTS**  
CITY OF FT. WALTON BEACH, FLORIDA

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Plot File Name:

This drawing is the property of Hatch Mott MacDonald Florida, LLC, and may not be reproduced without written permission.

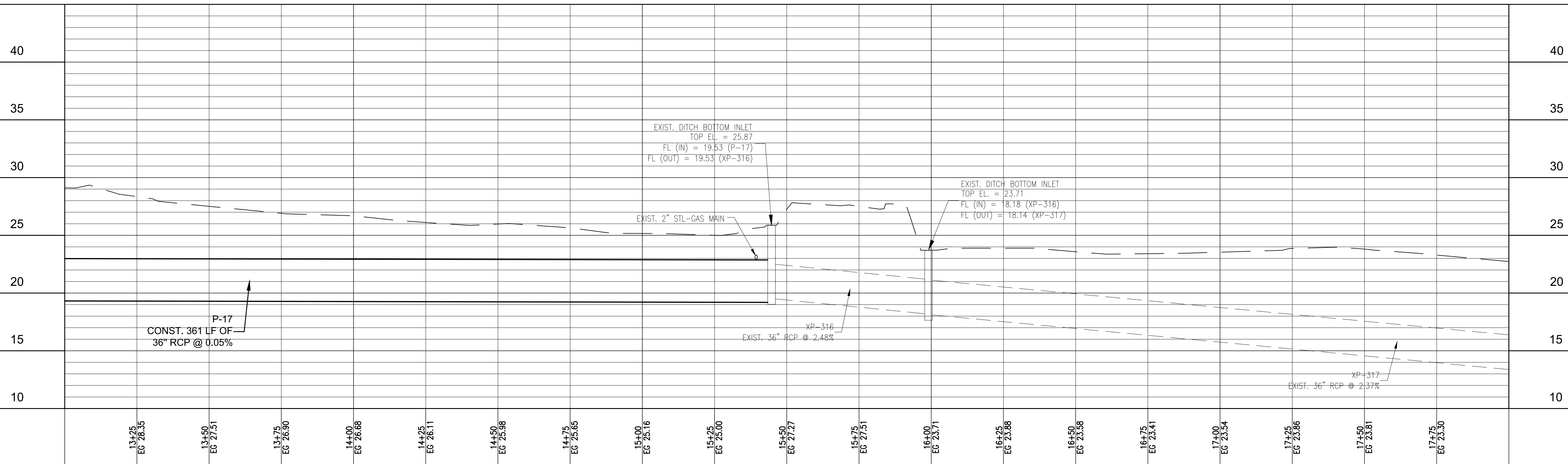
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# DRAINAGE EASEMENT

NOTE:  
 ALL STRIPING SHALL BE THERMOPLASTIC MATERIAL IN ACCORDANCE WITH SECTION 711 OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2016 EDITION.

45 13+00 14+00 15+00 16+00 17+00 18+00 45



DATE	REV.	REVISION DESCRIPTION
APRIL 2016		
	S. WHITE	
	C. RILEY	
	S. WHITE	
	S. WHITE	
	S. WHITE	
	H.M.M. PROJECT NUMBER:	363524

**BID PLANS**

DESIGNED BY: S. WHITE  
 DRAWN BY: C. RILEY  
 PROJECT ENGINEER: S. WHITE  
 PROJECT MANAGER: S. WHITE  
 H.M.M. PROJECT NUMBER: 363524

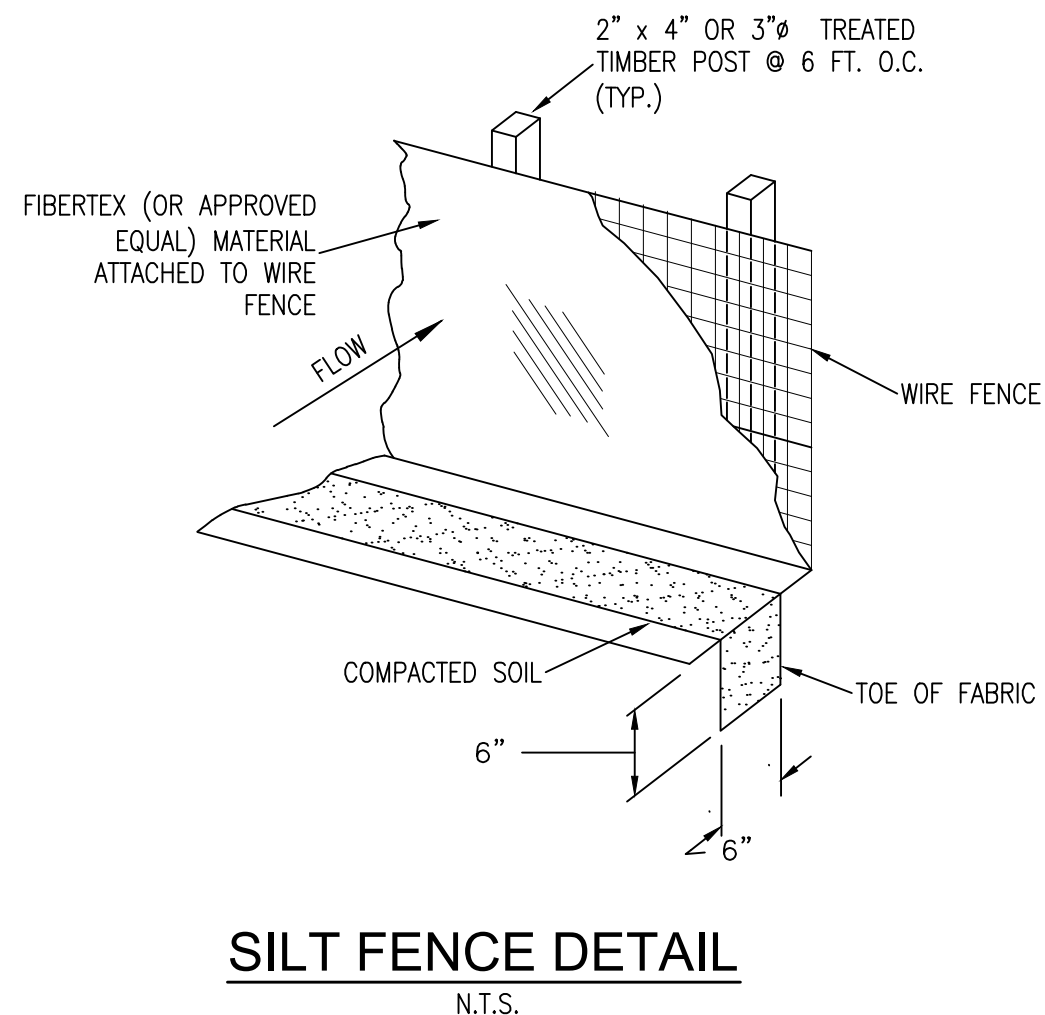
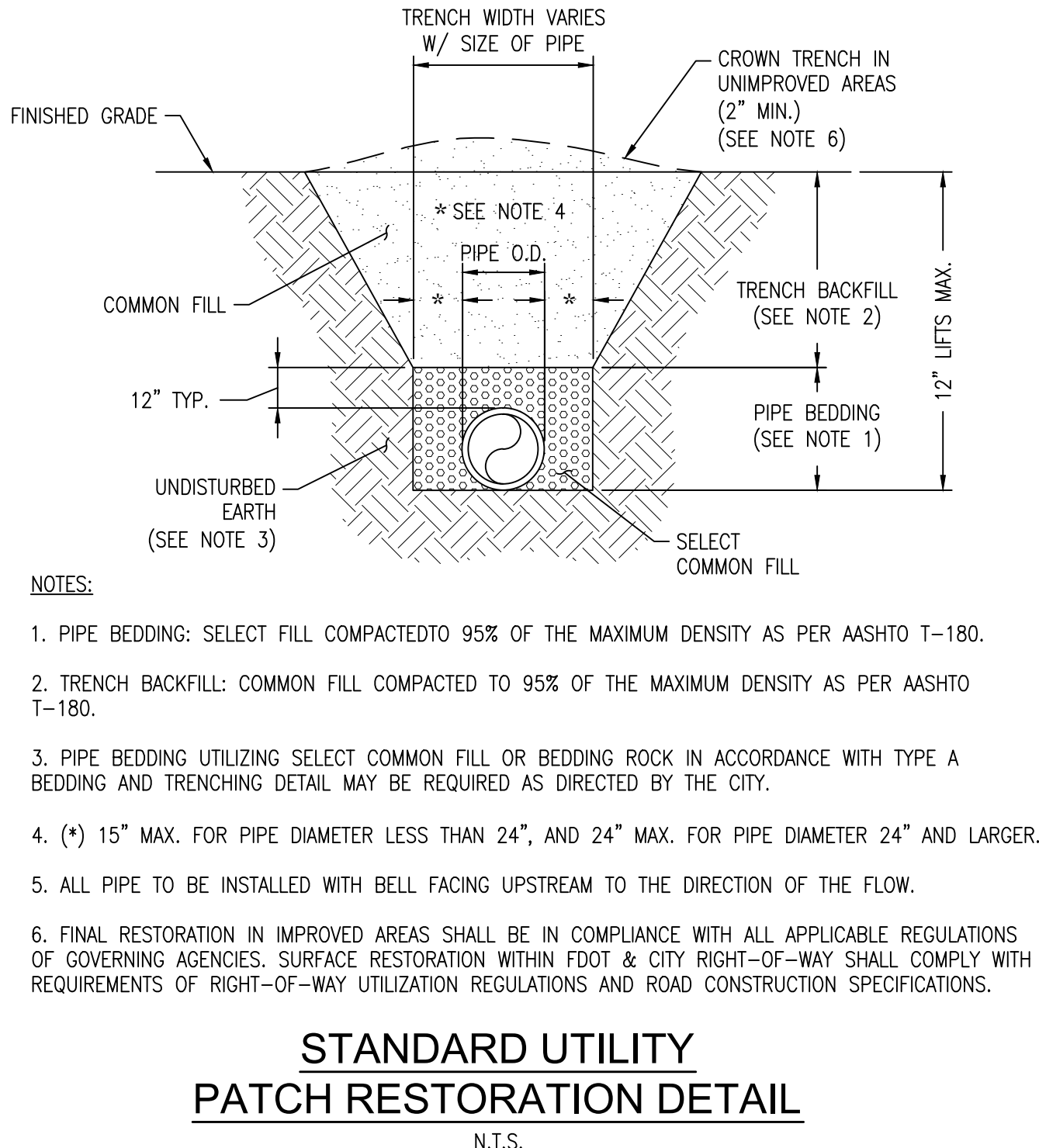
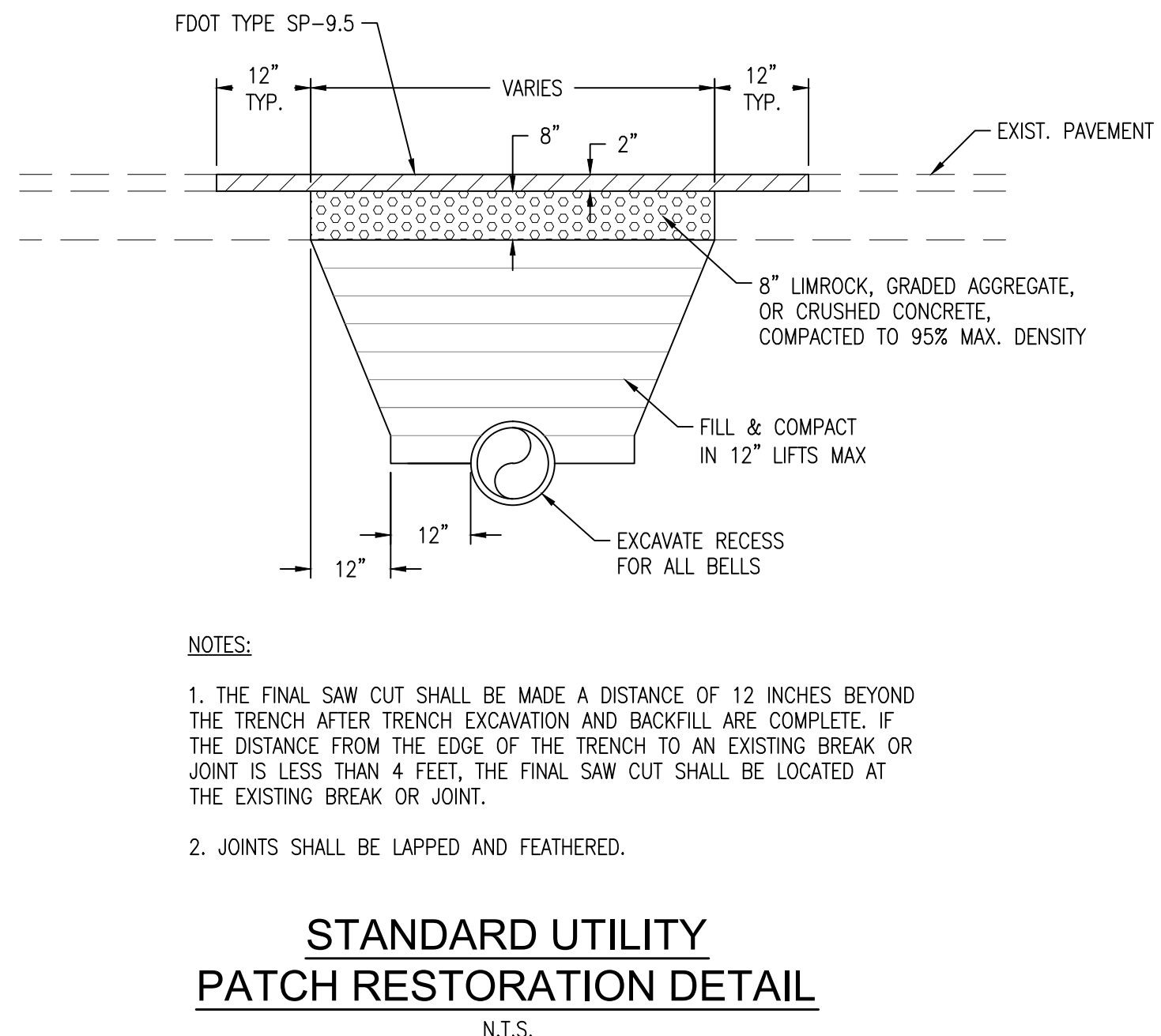
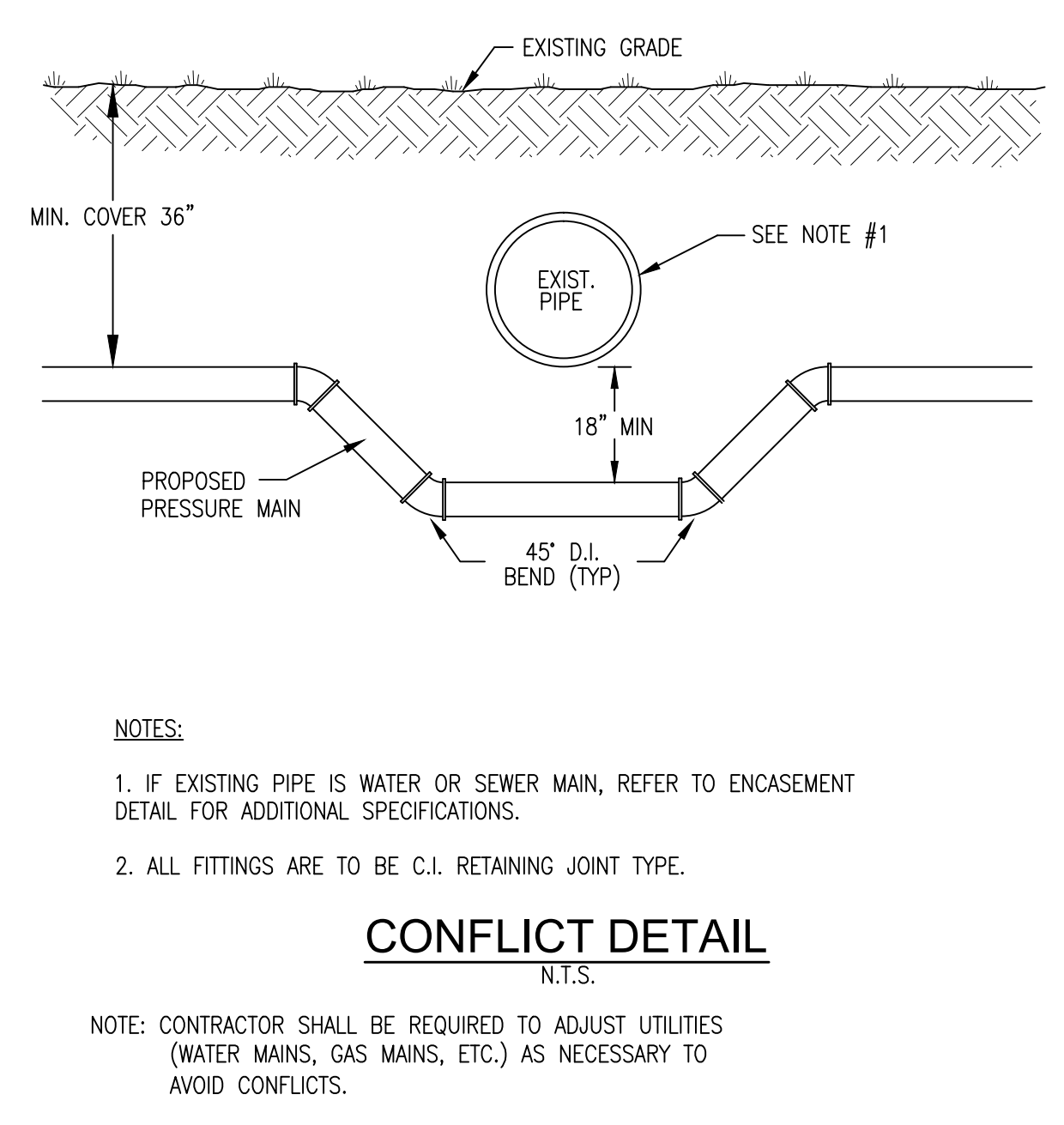
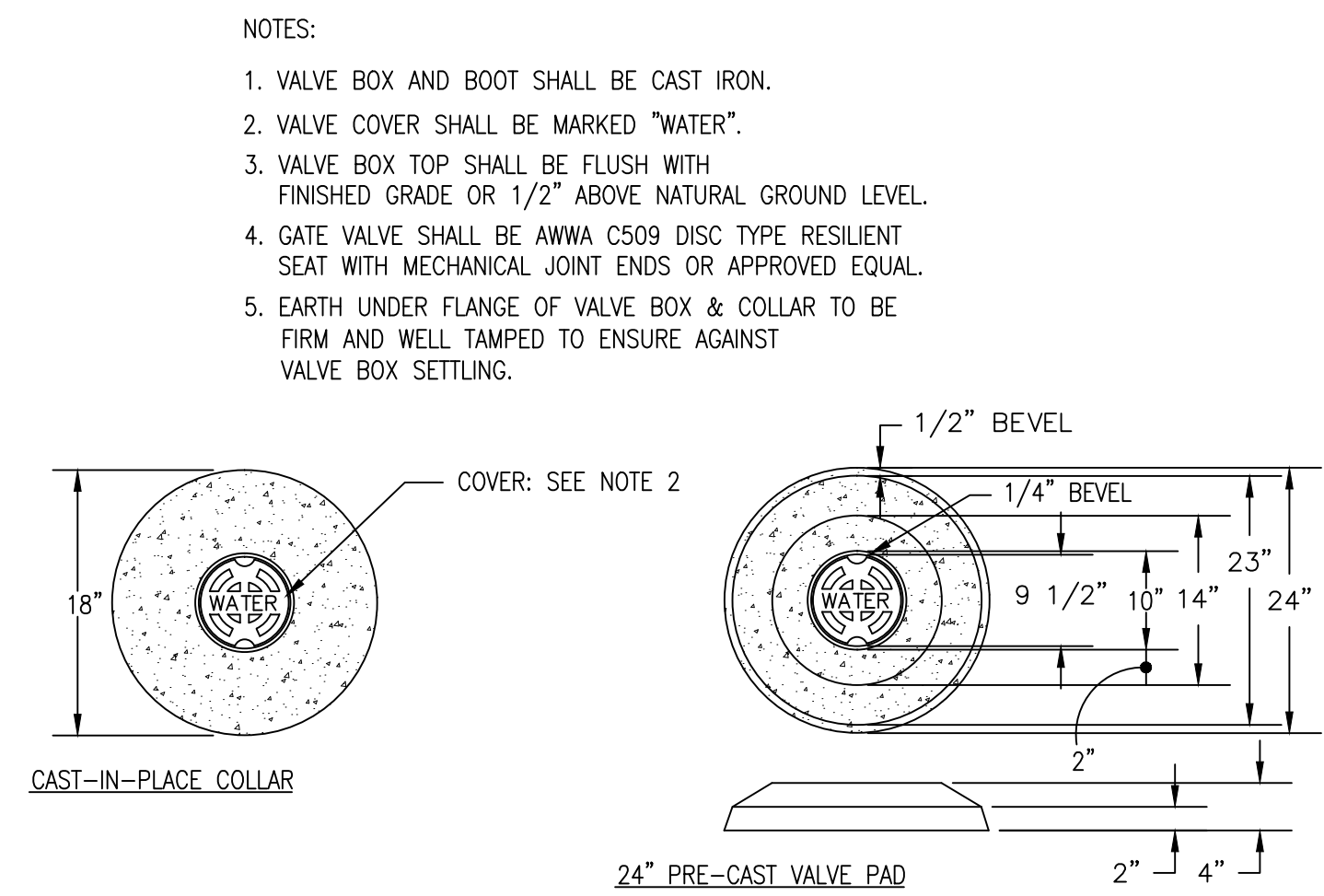
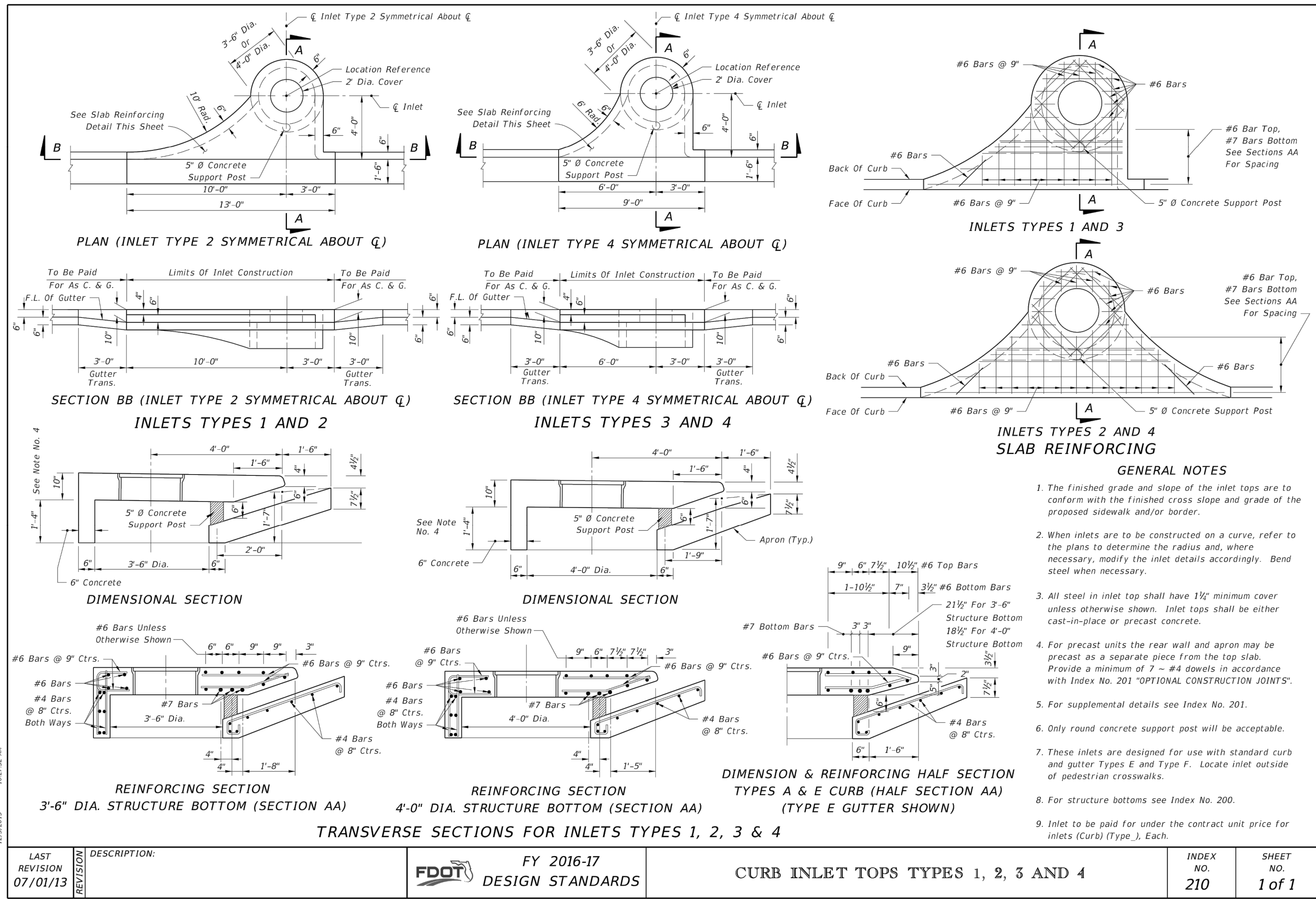
STEVEN D. WHITE, P.E.  
 FLORIDA LICENSE NO. 58809

DATE \_\_\_\_\_ AFTIX SEAL

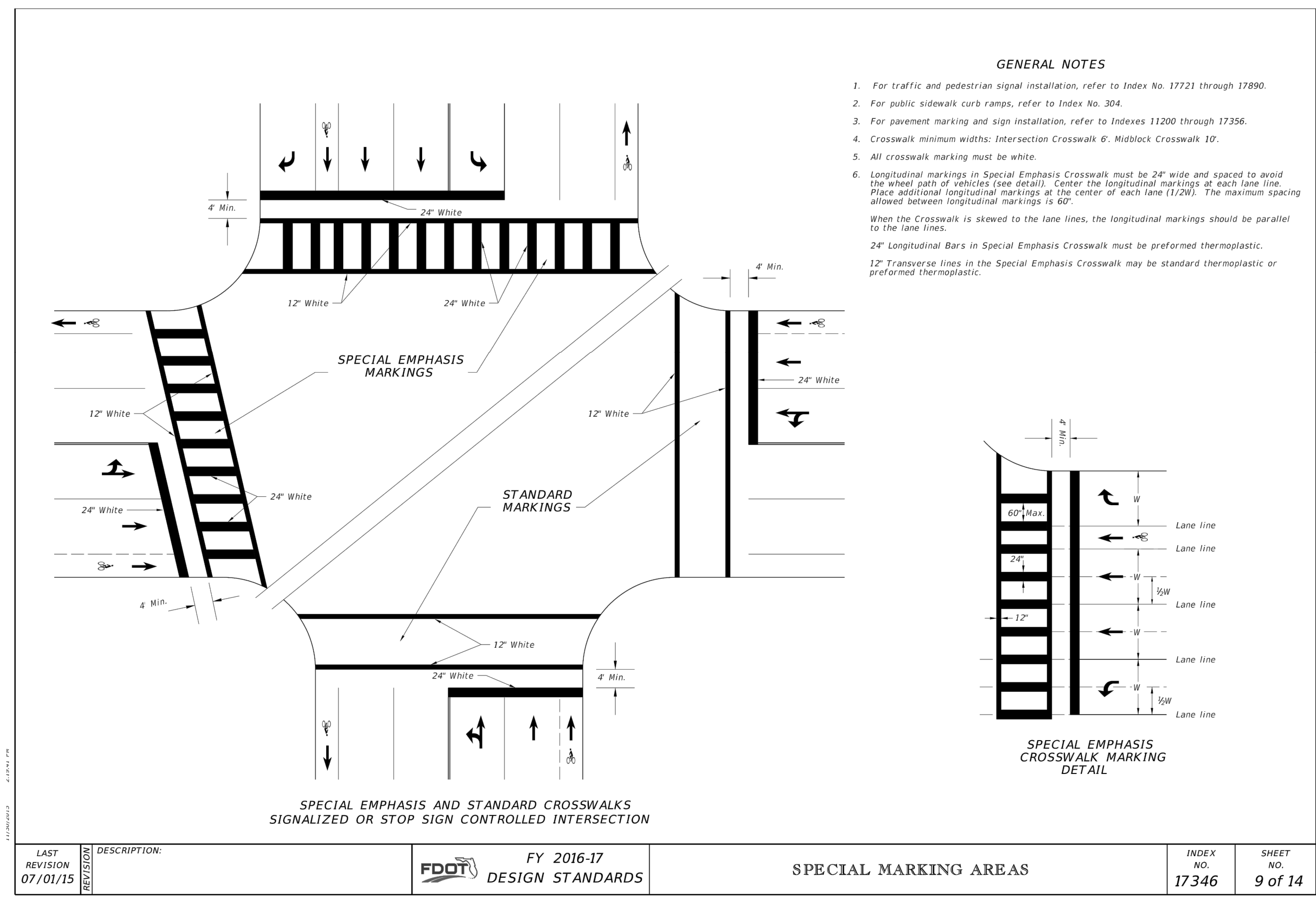
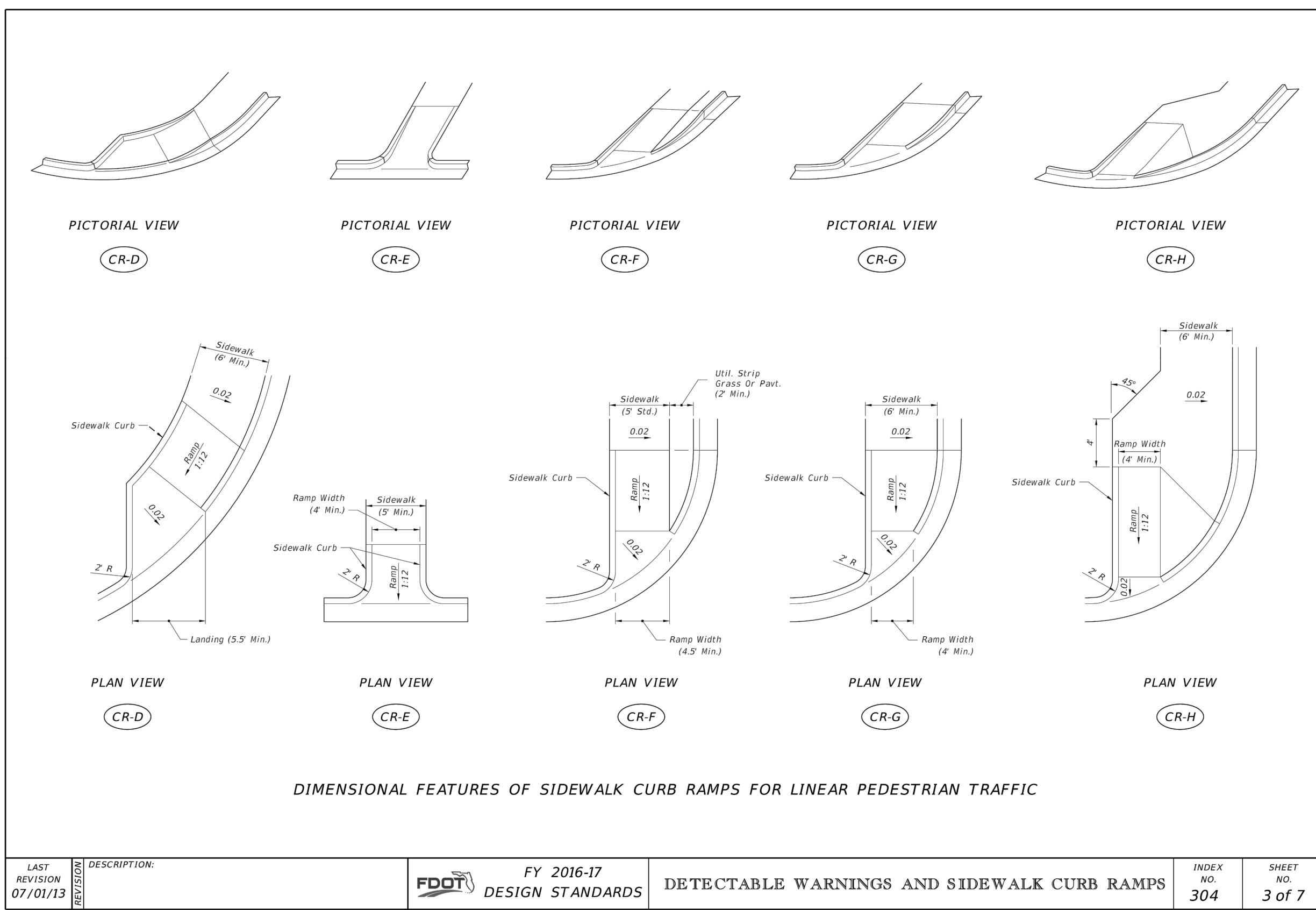
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 PLAN & PROFILE  
 DRAINAGE  
 EASEMENT

**STA:**  
 13+00 to 18+00

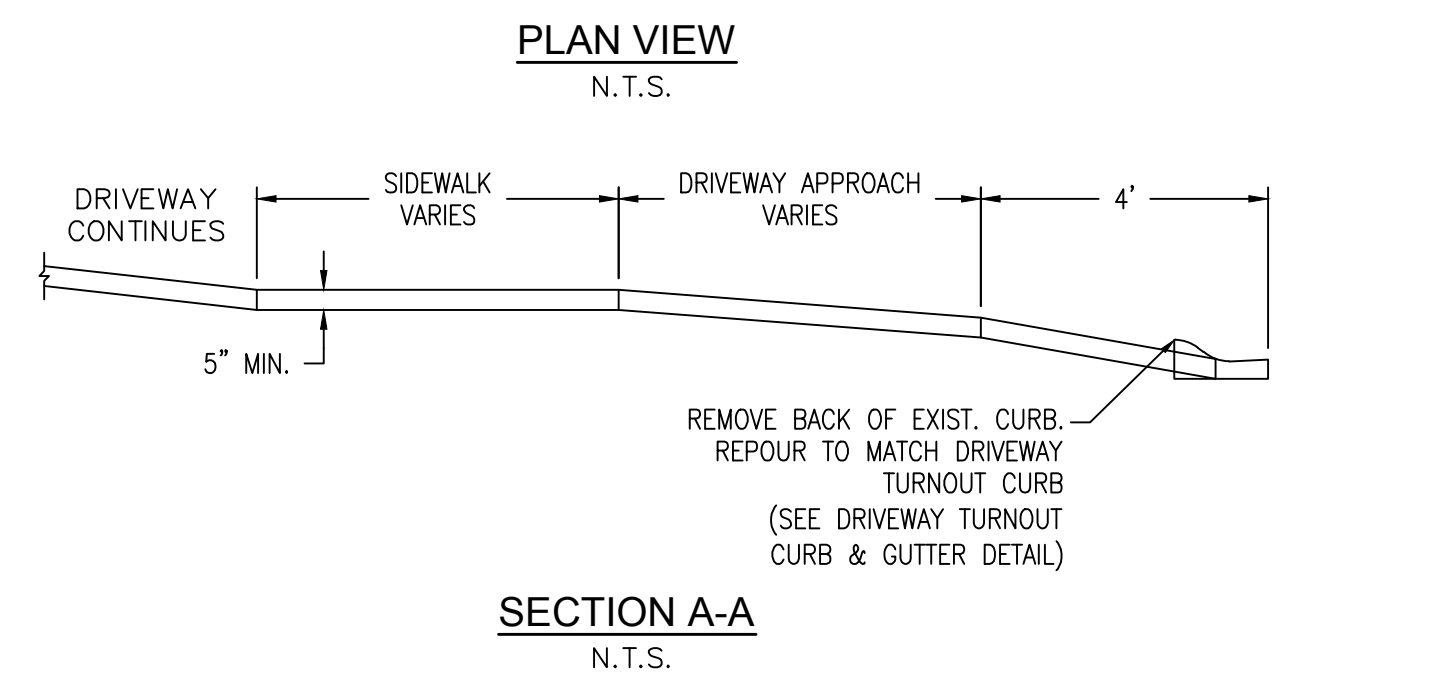
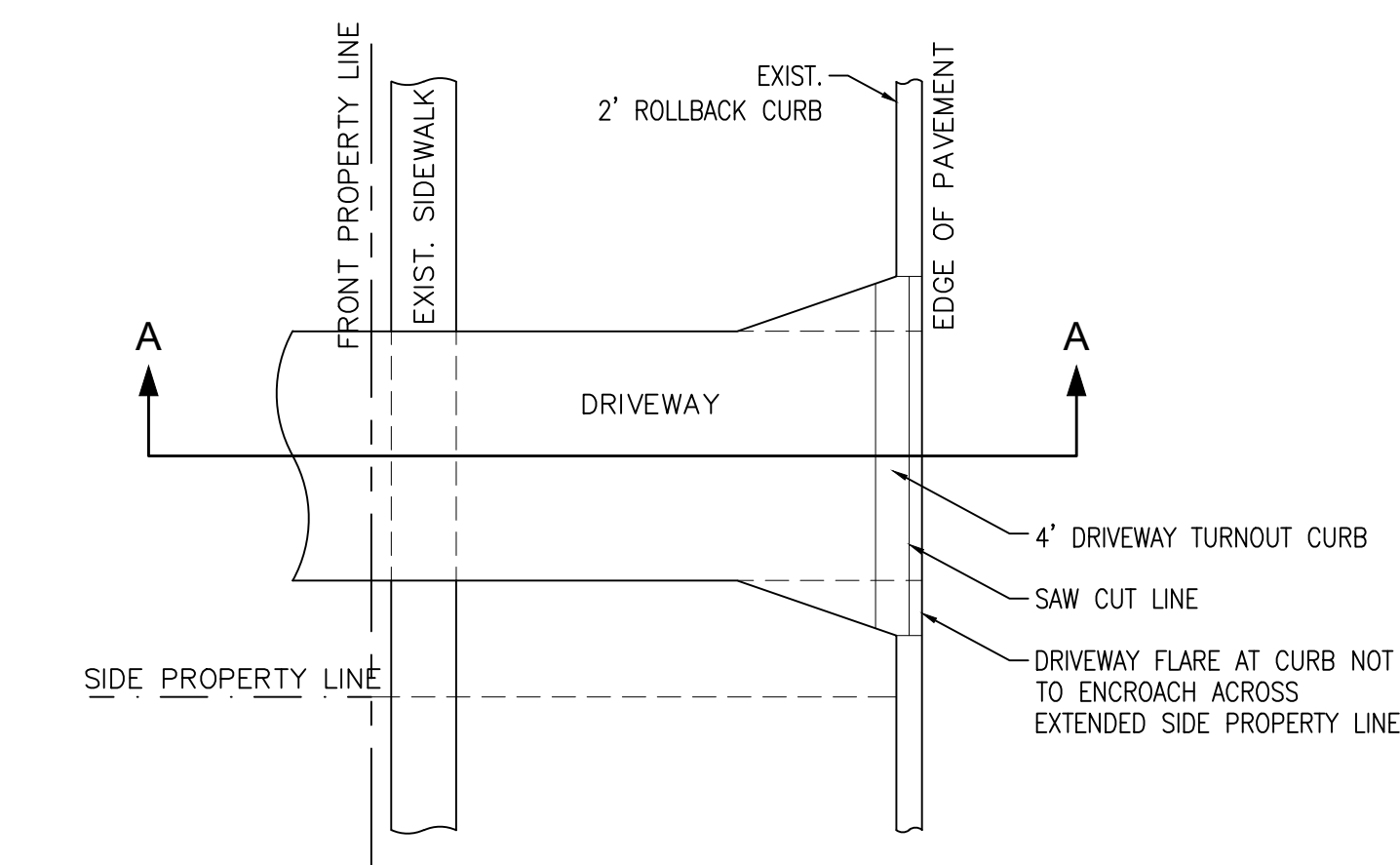
**SHEET NUMBER:**  
 C-013



<b>Hatch Mott MacDonald</b> Engineers Surveyors Architects AA - C0000035 EB - 0000155 LB - 0006783 220 West Garden Street, Suite 700 Fort Myers, FL 33901 Telephone: (850) 484-6011 Fax: (850) 484-8199	
<b>GOLF COURSE DRIVE NE &amp; EAGLE STREET NE STORMWATER IMPROVEMENTS</b> CITY OF FT. WALTON BEACH, FLORIDA	
<b>REVISION DESCRIPTION</b>	APRIL 2016 S. WHITE C. RILEY S. WHITE S. WHITE 363524
<b>BID PLANS</b>	DESIGNED BY: S. WHITE DRAWN BY: C. RILEY PROJECT ENGINEER: S. WHITE PROJECT MANAGER: S. WHITE H.M.M. PROJECT NUMBER: 363524
<b>SHEET TITLE:</b> DETAILS	STEVEN D. WHITE, P.E. FLORIDA LICENSE NO. 58809 DATE: _____ AFFIX SEAL
<b>SHEET NUMBER:</b> C-014	DATE: _____

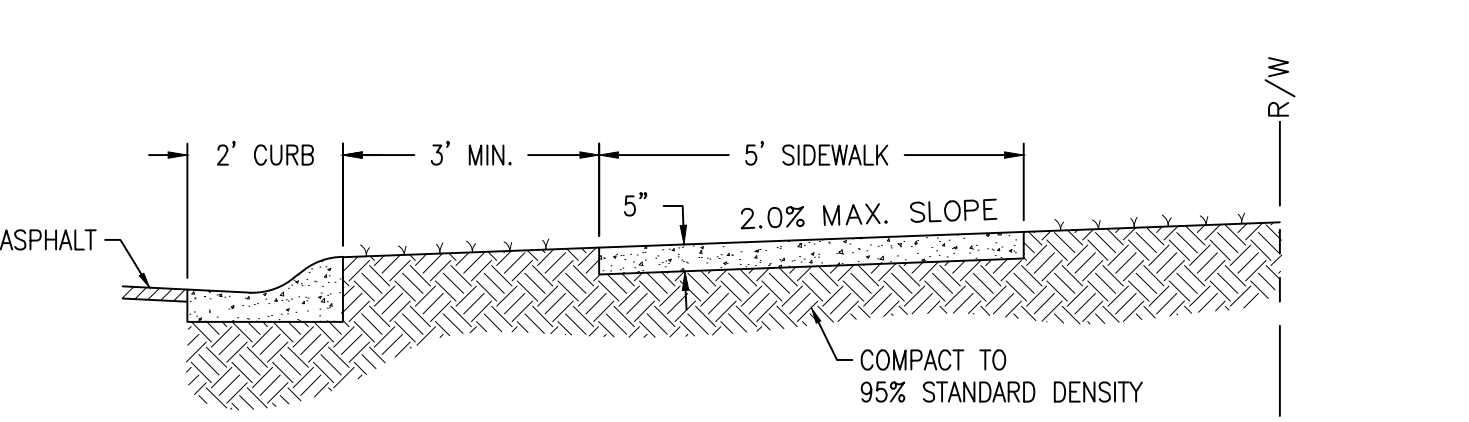
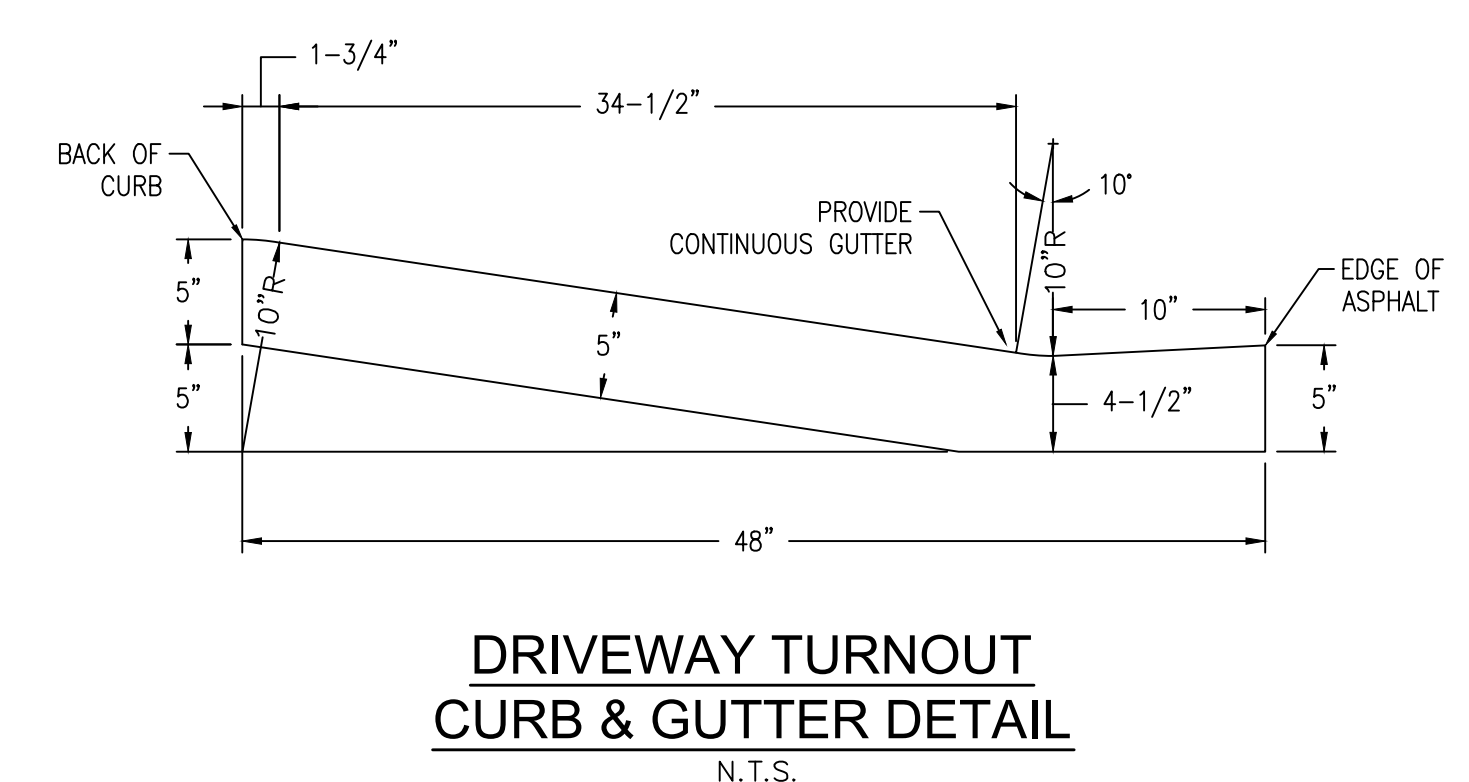


- GENERAL NOTES**
- For traffic and pedestrian signal installation, refer to Index No. 17721 through 17890.
  - For public sidewalk curb ramps, refer to Index No. 304.
  - For pavement marking and sign installation, refer to Indexes 11200 through 17356.
  - Crosswalk minimum widths: Intersection Crosswalk 6', Midblock Crosswalk 10'.
  - All crosswalk marking must be white.
  - Longitudinal markings in Special Emphasis Crosswalk must be 24" wide and spaced to avoid the wheel path of vehicles (see detail). Center the longitudinal markings at each lane line. Place additional longitudinal markings at the center of each lane (1/2W). The maximum spacing allowed between longitudinal markings is 60".
- When the Crosswalk is skewed to the lane lines, the longitudinal markings should be parallel to the lane lines.
- 24" Longitudinal Bars in Special Emphasis Crosswalk must be performed thermoplastic.
- 12" Transverse lines in the Special Emphasis Crosswalk may be standard thermoplastic or performed thermoplastic.



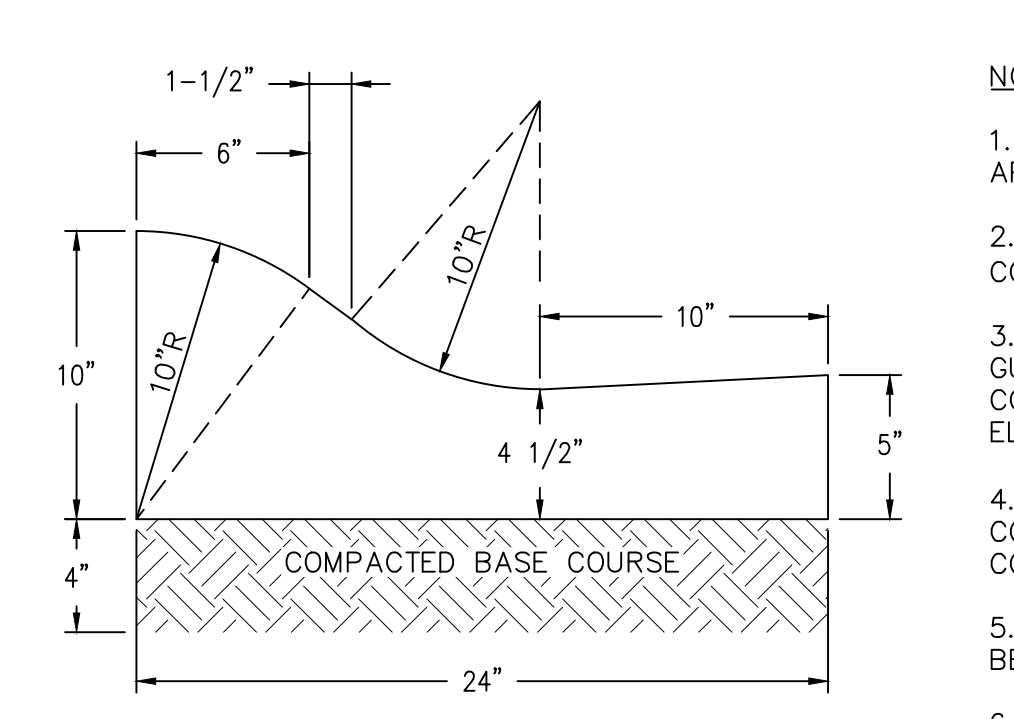
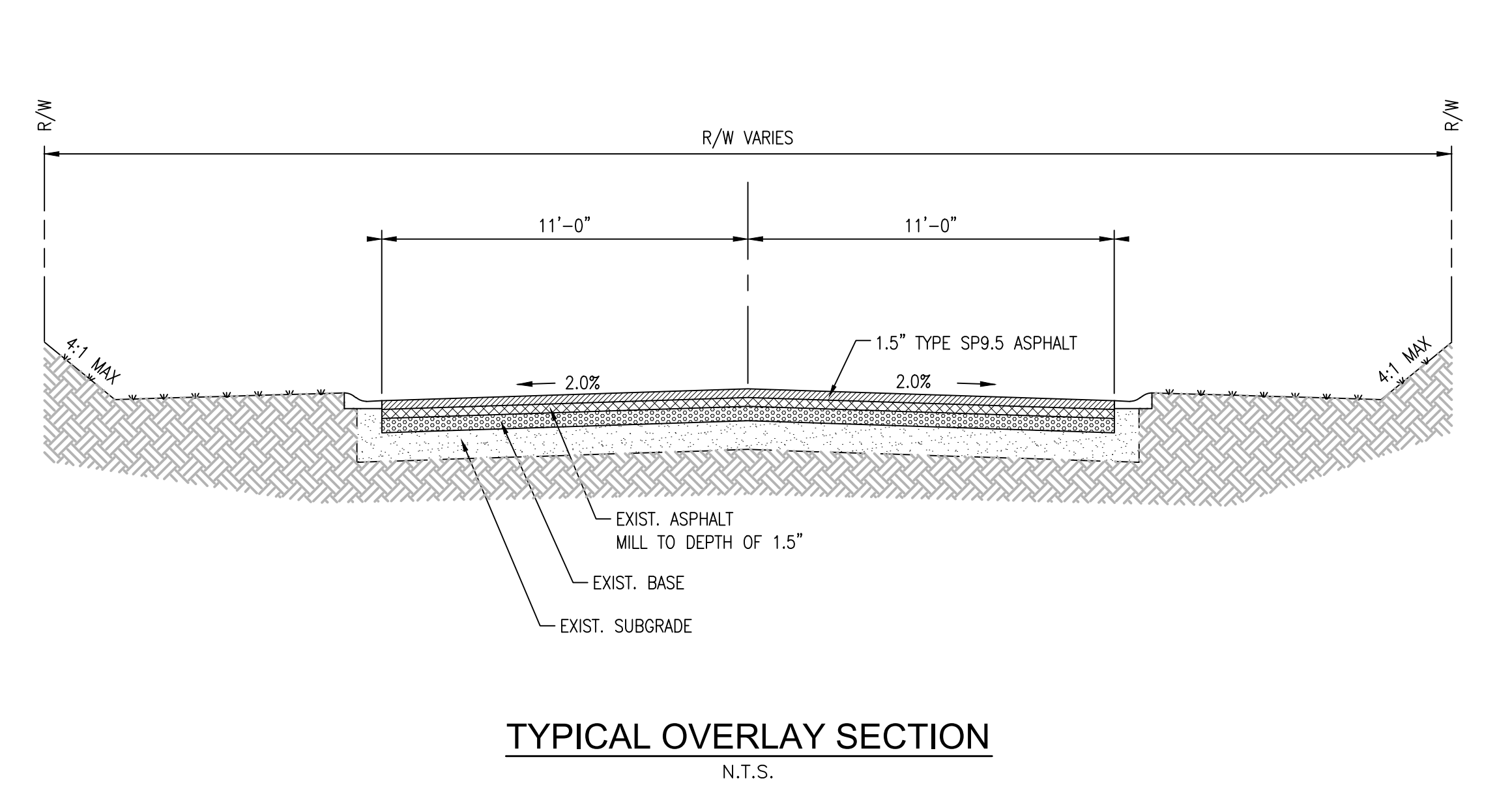
- NOTES:**
- CURB TO BE 3000 PSI CONCRETE.
  - MARK CURB AT DESIRED LOCATION AND THE CITY WILL REMOVE THE BACK OF CURB.
  - CALL DEVELOPMENT SERVICES AT 833-9605 AFTER CURB IS MARKED.
  - IF STREET HAS BEEN OVERLAPPED, INTO GUTTER, MATCH CONCRETE TO CONCRETE AND ASPHALT TO ASPHALT.

**STANDARD RESIDENTIAL DRIVEWAY DETAIL**  
N.T.S.



- NOTES:**
- CROSS SLOPE NOT TO EXCEED 1:50 (2.0%)
  - RUNNING SLOPE NOT TO EXCEED 1:12 (8.33%), WITH 5' X 5' LEVEL LANDINGS EVERY 20 FEET.
  - MINIMUM CLEAR WIDTH AROUND OBSTACLES SHALL BE 36 INCHES.
  - WIDTH OF SIDEWALK AS REQUIRED BY ORDINANCE.
  - LOCATION OF SIDEWALK PREFERABLY 2 FEET FROM R/W LINE.
  - SIDEWALK TO BE A MINIMUM 3000 PSI CONCRETE.
  - CONCRETE SHALL BE CURED MINIMUM 24 HOURS AFTER POURING.
  - 1/2 INCH DEEP, TOOLED CONTROL JOINTS SHALL BE PROVIDED AT A DISTANCE EQUAL TO THE SIDEWALK WIDTH OR EVERY 5 FEET, WHICHEVER IS LESS.
  - EXPANSION JOINTS SHALL BE PROVIDED AT A MAXIMUM OF 50 FEET AND WHERE CONCRETE IS PLACED ADJACENT TO EXISTING CURB, DRIVEWAYS, BUILDINGS AND WALKWAYS.

**STANDARD SIDEWALK DETAIL**  
N.T.S.



- NOTES:**
- CURB AND GUTTER CONCRETE SHALL BE PLACED SEPARATELY FROM DRIVEWAY APPROACH AND SIDEWALK.
  - ALL CURB AND COMBINATION CURB AND GUTTER SHALL HAVE CONTROL JOINTS CONSTRUCTED AT 10' INTERVALS AT LEAST ONE HALF INCH IN DEPTH.
  - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO BACK FILL VOIDS BETWEEN NEW GUTTER AND PAVEMENT WITH CHIPS & SAND/UST OR CITY APPROVED EQUAL AND TO COMPACT SAID BACK FILL WHEN FORMS AND SPOIL ARE REMOVED IN ORDER TO ELIMINATE ANY AND ALL HAZARDS.
  - EXPANSION JOINTS SHALL BE PLACED TO WITHIN 1/4" BELOW THE SURFACE OF THE CONCRETE AND AT INTERVALS OF 30 FEET FOR NEW CONSTRUCTION, WITH CRACK CONTROL JOINTS AT 10 FOOT INTERVALS.
  - EXPANSION JOINTS SHALL BE PLACED WHERE NEW SIDEWALK ABUTS OLD AND BETWEEN CURB & GUTTER AND SIDEWALK.
  - CONCRETE SHALL BE MINIMUM 3000 PSI STRENGTH.

**STANDARD ROLLBACK CURB & GUTTER DETAIL**  
N.T.S.

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 Drawing Name: C-015 Details.dwg  
 Plot File Name:

**Hatch Mott MacDonald Florida, LLC**  
 Engineers Surveyors  
 Architects  
 AA - C0000035 EB - 00001155 LB - 0006763  
 220 West Garden Street, Suite 700  
 Ft. Walton Beach, Florida 32542  
 Telephone: (850) 864-6011 Fax: (850) 464-8199

**GOLF COURSE DRIVE NE & EAGLE STREET NE STORMWATER IMPROVEMENTS**  
 CITY OF FT. WALTON BEACH, FLORIDA

DATE	DESIGNED BY	DRAWN BY	PROJECT ENGINEER	PROJECT MANAGER	H.M.M. PROJECT NUMBER
APRIL 2016	S. WHITE	C. RILEY	S. WHITE	S. WHITE	363524

**BID PLANS**  
 STEVEN D. WHITE, P.E.  
 FLORIDA LICENSE NO. 58809  
 DATE \_\_\_\_\_  
 AFTIX SEAL

**SHEET TITLE:**  
**DETAILS**

**SHEET NUMBER:**  
**C-015**

**GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL:**

- ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- PERMANENT VEGETATION TO BE SEEDING OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
- ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.
- A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL, ACCORDING TO STATE STANDARDS.
- ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).
- A CRUSHED LIMEROCK, VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED AT THE CONTRACTOR'S STAGING YARD AND/OR STOCKPILE AREAS TO PREVENT OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PUBLIC ROADS. BLANKET SHALL BE 15FT. X 50FT. X 6IN. (MINIMUM), CRUSHED LIMEROCK 2 1/2 INCHES IN DIAMETER. SAID BLANKET SHALL BE UNDERLAIN WITH A FDOT CLASS 3 SYNTHETIC FILTER FABRIC AND MAINTAINED IN GOOD ORDER.
- AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.
- SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
- ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
- THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.
- ALL CATCH BASIN INLETS SHALL BE PROTECTED WITH HAY BALES AS SHOWN ON DETAIL.
- THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SILTATION PROTECTION OF EACH STREAM CROSSING PRIOR TO EXCAVATING THE STREAM BED. PLAN SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTION PRIOR TO EACH STREAM CROSSING CONSTRUCTION.
- ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

\* WHERE APPLICABLE

**SODDING:**

- SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS COMMERCIALY CUT TO A MINIMUM DIMENSION OF 12" x 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH AND UNINJURED, REASONABLY FREE OF WEEDS AND OTHER GRASSES, WITH A HEAVY SOIL MAT ADHERING TO THE ROOT SYSTEM. SOD SHALL BE GROWN, CUT, AND SUPPLIED BY A STATE CERTIFIED GROWER.

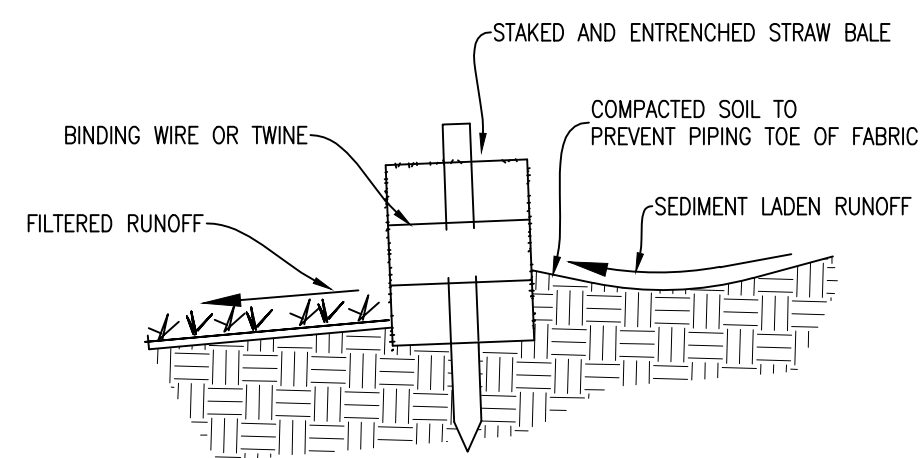
**TEMPORARY SEEDING DETAILS**

**SEED BED PREPARATION**

- SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITE LIMESTONE AT A RATE OF 800 TO 1000 LBS./ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE REQUIRED.

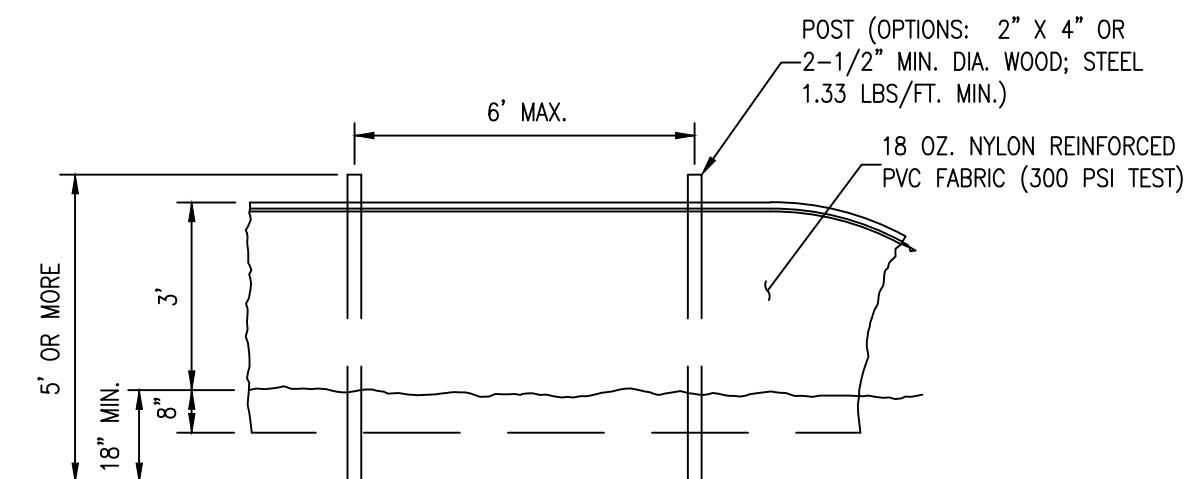
**SEED MIXTURE**

- CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF 174 LBS./ACRE.



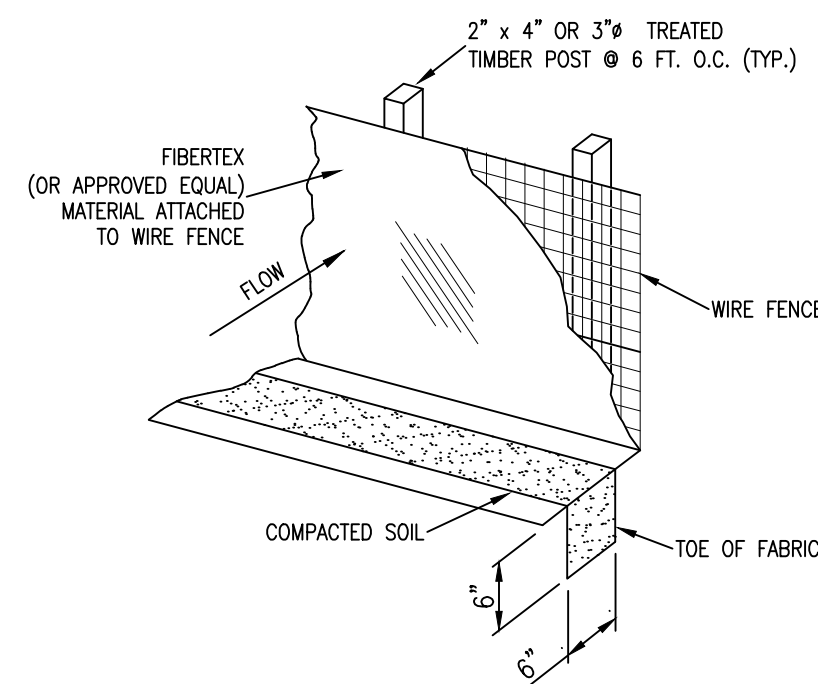
**DETAIL OF PROPERLY INSTALLED STRAW BALE**

N.T.S.



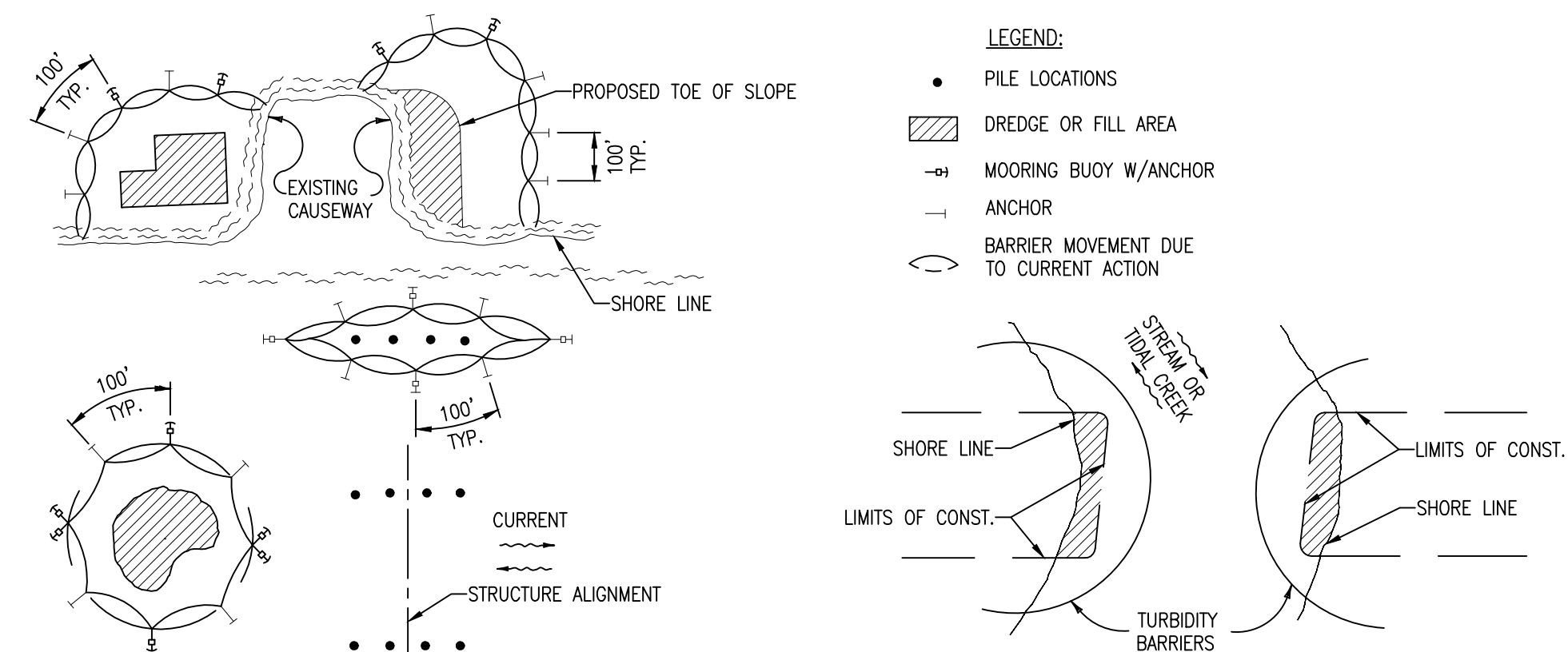
**STAKED TURBIDITY BARRIER**

N.T.S.



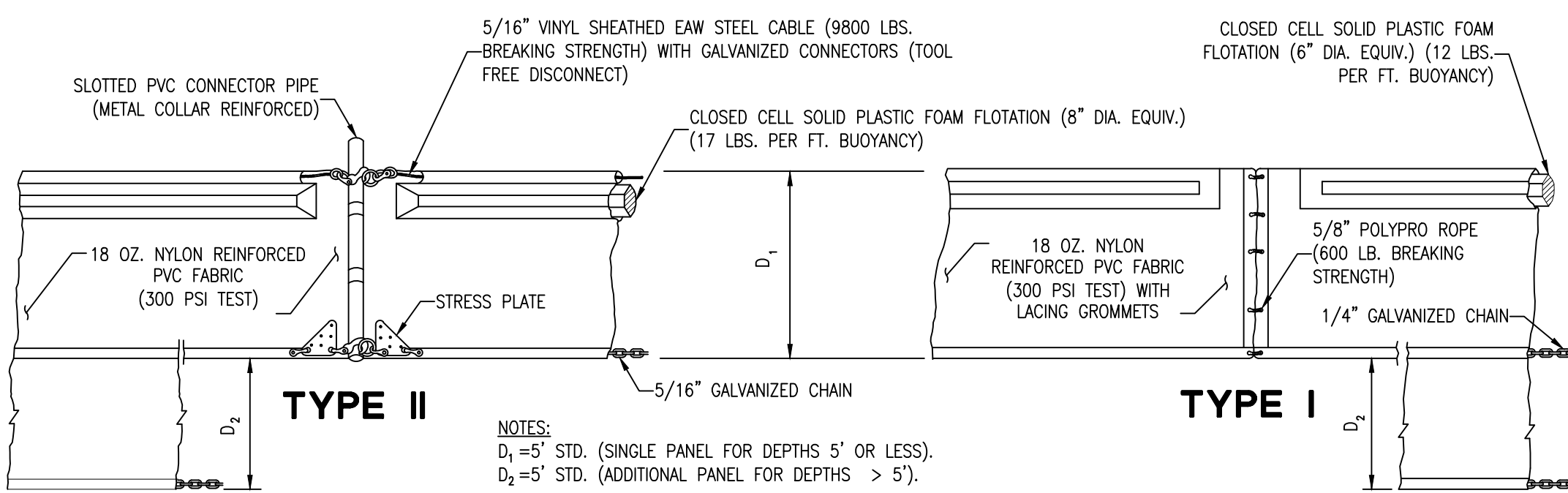
**SILT FENCE DETAIL**

N.T.S.



- TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
- NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
- DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
- NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
- FOR ADDITIONAL INFORMATION SEE SECTION 104 OF THE STANDARD SPECIFICATIONS.

**NOTE:** TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



**NOTES:**  
 D<sub>1</sub> = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).  
 D<sub>2</sub> = 5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5').

CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

**NOTICE:** COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

**FLOATING TURBIDITY BARRIERS**

N.T.S.

**TURBIDITY BARRIER APPLICATIONS**

N.T.S.

**Hatch Mott MacDonald**  
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**GOLF COURSE DRIVE NE & EAGLE STREET NE STORMWATER IMPROVEMENTS**  
 CITY OF FT. WALTON BEACH, FLORIDA

DATE	REV.	REVISION DESCRIPTION
APRIL 2016		
	S. WHITE	
	C. RILEY	
	S. WHITE	
	S. WHITE	
	S. WHITE	
		363524

**BID PLANS**  
 DESIGNED BY: S. WHITE  
 DRAWN BY: C. RILEY  
 PROJECT ENGINEER: S. WHITE  
 PROJECT MANAGER: S. WHITE  
 H.M.M. PROJECT NUMBER: 363524  
 AFTIX SEAL  
 DATE

**EROSION CONTROL DETAILS**

**SHEET NUMBER:**

**C-016**

User Name: R163524  
 Title: S. White  
 Drawing Path: P:\033524 - Ft. Walton beach drainage improvements\Drawings\Civil\cad drawings\Sheets\Plan Set  
 Drawing Name: C-016 Erosion Control Details.dwg  
 Plot File Name: