

GENERAL NOTES

GENERAL NOTES ON THE PROJECT PLANS AND DRAWINGS ARE SOLELY TO AID AND ASSIST THE CONTRACTOR WITH THE FIELD OPERATIONS FOR THE PROJECT. SAID GENERAL NOTES MAY NOT FULLY DESCRIBE ALL OF THE REQUIREMENTS FOR AN ITEM. THEREFORE, THE CONTRACTOR SHALL READ AND VERIFY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE PLANS, SPECIFICATIONS, GENERAL TERMS AND CONDITIONS, AND THE SUPPLEMENTAL TERMS AND CONDITIONS. THE APPROVAL OF THE PROJECT PLANS BY THE MUNICIPALITY IN NO WAY CONSTITUTES AN ENDORSEMENT OR GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY HAVE BEEN PREPARED FROM INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRIC METHODS AND/OR BY VISUAL METHODS, AND BY THE METHODS OF THE CONTRACTOR'S CHOICE. PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS, THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

1. APPLICABLE CODES

- 1.1. GENERAL CONSTRUCTION, MATERIALS AND TESTING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF CITY OF LAKE WORTH, PALM BEACH COUNTY, AND ALL OTHER LOCAL AND NATIONAL CODES WHERE APPLICABLE. WHEN ANY OF THE CONTRACT DOCUMENTS, INCLUDING AGENCY'S STANDARDS ARE IN CONFLICT, THE MORE STRINGENT OF THE TWO SHALL APPLY.
- 1.2. CONSTRUCTION SAFETY: ALL CONSTRUCTION SHALL BE DONE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 1.3. TRENCH SAFETY ACT: CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
- 1.4. SURVEY DATA: ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS UNLESS OTHERWISE NOTED, ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

2. PRECONSTRUCTION RESPONSIBILITIES AND NOTICES

- 2.1. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL AT 811 CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- 2.2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS.
- 2.3. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN FOR ANY EXISTING UTILITIES NOT SHOWN.
- 2.4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH HE FAILS TO IDENTIFY AND KEEP COVERED. THE CONTRACTOR SHALL BE RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- 2.5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR WORK PERFORMED WITHOUT PERMITS.
- 2.6. ADDITIONAL COORDINATION FOR UTILITY CONFLICTS, R.F.I.'S AND CONTRACT EXTENDED TIME BEYOND THE ORIGINAL SCOPE OF CONSTRUCTION DURATION (AFTER THE CONTRACTOR CONSTRUCTION NOTICE TO PROCEED) AND EXCLUDING DOCUMENTED WORKSTOP ORDERS ISSUED BY CLIENT TO CONTRACTOR AND CONSULTANT WILL BE BILLED TO THE CONTRACTOR VIA THE OWNER AT \$135 PER HOUR.

3. INSPECTIONS

- 3.1. THE CONTRACTOR SHALL NOTIFY CITY OF LAKE WORTH, THE ENGINEER OF RECORD AND PALM BEACH COUNTY, IF APPLICABLE, AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:
 - 3.1.1. STORM DRAINAGE
 - 3.1.2. SANITARY SEWER
 - 3.1.3. WATER SYSTEM
 - 3.1.4. SUBGRADE - SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK
 - 3.1.5. LIMEROCK BASE - SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 - 3.1.6. ASPHALTIC CONCRETE
 - 3.1.7. FINAL INSPECTION
- 3.2. ALL INSPECTIONS SHALL BE MADE BY CITY OF LAKE WORTH, THE ENGINEER OF RECORD WILL PROVIDE GENERAL CONSTRUCTION OBSERVATION SERVICES.

4. SHOP DRAWINGS

- 4.1. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY CITY OF LAKE WORTH AND ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER MECHANICAL/ELECTRICAL EQUIPMENT AND ASSOCIATED STRUCTURES, INCLUDING ALL DATA, CATALOGUE, LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES.
- 4.2. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS.
- 4.3. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

5. TEMPORARY FACILITIES

- 5.1. TEMPORARY UTILITIES: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO HIS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.
- 5.2. TRAFFIC REGULATION
 - 5.2.1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD.
 - 5.2.2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF MOTOR VEHICLES AND PEDESTRIAN TRAFFIC.
 - 5.2.3. TRENCHES: ALL CONSTRUCTION WITHIN FOOT RIGHT-OF-WAYS MUST CONFORM WITH THE SPECIFICATIONS, STANDARDS AND PERMIT REQUIREMENTS. NO WORK SHALL COMMENCE WITHIN FOOT RIGHT-OF-WAY WITHOUT AN OPEN PERMIT. FULL LAKE WIDTH RESTORATION TO MATCH EXISTING PAVEMENT SECTION IS REQUIRED IN ACCORDANCE WITH STANDARDS FOR PROPOSED WORK WITHIN FOOT RIGHT-OF-WAYS.
- 5.2.5. CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHERE REQUIRED BY FEDERAL, STATE, COUNTY OR LOCAL AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGN SCHEDULERS IN CATCH BASINS AND AT LOCATIONS AS DIRECTED BY THE ENGINEER UNTIL FINAL ACCEPTANCE OCCURS.

6. PROJECT CLOSURE

- 6.1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN AS DIRECTED BY THE ENGINEER.
- 6.1.2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR CITY OF LAKE WORTH, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE COMMENCEMENT OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL PERFORM AS REQUIRED ALL NECESSARY HIGHWAY OR DRIVEWAY WALK, IRRIGATION AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
- 6.1.3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOODED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED, SATISFACTORILY DISPOSED OF DURING PROCESS OF WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION AS DIRECTED BY THE ENGINEER.
- 6.1.4. CONTRACTOR SHALL DISPOSE OF ALL SITE DEMOLITION IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
 - 6.2. PROJECT RECORD DOCUMENTS
 - 6.2.1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
 - 6.2.2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES, AND ALL DRAINAGE, WATER AND SEWER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER AND THE APPROVING AGENCY HAS REVIEWED THE "AS-BUILTS".
 - 6.2.3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUBGRADE SHALL BE PROVIDED TO THE ENGINEER AND CITY OF LAKE WORTH PRIOR TO PLACING ASPHALT.
 - 6.2.4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER AND CITY OF LAKE WORTH PRIOR TO PLACING ASPHALT.
 - 6.2.5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFACTION OF THE ENGINEER THAT THE INFORMATION DROUGHTS A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED. LAKE AS-BUILTS WILL BE CROSS SECTIONED SHOWING THE DESIGNED SECTION AS DASHED, AS-BUILT SECTION AS SOLID, AND HAVE THE TOP OF BANK REFERENCE TO THE LAKE MAINTENANCE EASEMENT. SPACING BETWEEN EACH CROSS-SECTION SHALL BE SUCH AS TO PROVIDE ENOUGH DATA TO DETERMINE IF THE LAKE WAS CONSTRUCTED AS DESIGNED.
 - 6.2.7. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD TWO COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "RECORD DRAWING" OR "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS SHALL BE SIGNED AND SEALED BY A REGISTERED SURVEYOR OR ENGINEER. FINAL "AS-BUILT" INFORMATION SHALL BE SUBMITTED ON AN AUTOCAD PLOT FORMAT AS DIRECTED BY THE ENGINEER.

7. DETAHERING PERMIT

- 7.1. DETAHERING PERMIT IS NOT AVAILABLE FOR THE SITE DEVELOPMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A DETAHERING PERMIT.

8. UNSUITABLE MATERIAL REMOVAL AND DISPOSAL

- 8.1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION/INVESTIGATION OF SUBSURFACE CONDITIONS. ALL UNSUITABLE MATERIAL SURFACE AND SUBSURFACE WITHIN AREAS OF CONSTRUCTION IS TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. UNSUITABLE MATERIAL INCLUDES BUT IS NOT LIMITED TO DEBRIS, ORGANICS/MUCK, AND PLASTIC MATERIAL. ALL UNSUITABLE MATERIAL REMOVED SHALL BE REPLACED WITH SUITABLE MATERIAL.

9. GEOTECHNICAL REQUIREMENTS

- 9.1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION/INVESTIGATION OF SUBSURFACE CONDITIONS.

10. DEMOLITION NOTES

- 10.1. PROPER SAFETY PRECAUTIONS SHALL BE TAKEN TO SEPARATE AREA OF DEMOLITION FROM SURROUNDING PROPERTY.
- 10.2. ALL ASPHALT AND CURBS SHALL BE SAWCUT AT THE LIMITS OF DEMOLITION PRIOR TO REMOVAL.
- 10.3. ALL DEMOLITION TO BE PERFORMED IN A MANNER TO ELIMINATE HAZARDS TO PERSONS AND PROPERTY. MINIMIZE INTERFERENCE WITH USE OF ADJACENT AREAS. PROVIDE NON-DISRUPTION OF SERVICES PROVIDED BY EXISTING UTILITIES TO ADJACENT AREAS, AND TO PROVIDE FREE PASSAGE TO AND FROM ADJACENT AREAS OR STRUCTURES.
- 10.4. PRIOR TO AND DURING DEMOLITION, CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING ITEMS TO REMAIN.
- 10.5. DEBRIS FROM DEMOLITION OPERATIONS SHALL BE PROPERLY DISPOSED OF. THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF ON A DAILY BASIS. DISPOSAL OF DEBRIS SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL PERMITS, RULES AND/OR REGULATIONS.
- 10.6. HAZARDOUS MATERIALS, IF PRESENT, SHALL BE DEALT WITH IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- 10.7. UPON COMPLETION OF DEMOLITION, SITE IS TO BE LEFT IN CLEAN CONDITION FREE OF DEBRIS.
- 10.8. CONTRACTOR TO PROVIDE PROPER SEDIMENT CONTROL AND PROTECTION OF STORM WATER STRUCTURES, BOTH WITHIN AND OUTSIDE THE LIMITS OF DEMOLITION AND P/L, TO PREVENT DEPOSIT OF SEDIMENTS CONVEYED THROUGH RUNOFF. CONTRACTOR TO CLEAN AND REMOVE SEDIMENTS FROM ALL STRUCTURES AS NEEDED.
- 10.9. EXISTING UTILITIES INFORMATION IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES SHOWN OR NOT SHOWN PRIOR TO DEMOLITION. CONTRACTOR SHALL HAVE ALL UTILITIES PROPERLY LOCATED PRIOR TO COMMENCEMENT OF DEMOLITION.
- 10.10. BRICK AND GROUT ANY REMAINING HOLE OPENINGS IN EXISTING STRUCTURES AFTER REMOVAL OF ANY PIPE DESIGNATED FOR REMOVAL.

11. EXISTING UTILITIES

- 11.3. GENERAL
 - 11.3.1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST A COPY OF THE GEOTECHNICAL ENGINEERING SOILS REPORT AND ADHERE TO THE CONDITIONS AND RECOMMENDATIONS STATED WITHIN.
 - 11.3.2. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
 - 11.3.3. SUB-GRADE UNDER PAVED AREAS SHALL HAVE A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
 - 11.3.4. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
 - 11.3.5. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SOODED.
- 11.4. ON-SITE
 - 11.4.1. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAVED SHALL BE REMOVED TO A DEPTH OF THREE (3) FEET BELOW FINISHED GRADE AND FOR THREE (3) FEET BEYOND THE PERIMETER OF THE PAVING AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
 - 11.4.2. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 (CONCRETE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99) THREE (3) FEET BEYOND THE PERIMETER OF THE PAVING.
 - 11.4.3. ALL UNSUITABLE MATERIAL UNDER EXFILTRATION TRENCH LOCATIONS SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR AS PART OF THIS WORK.

12. STORM DRAINAGE

- 12.1. CONTRACTOR MAY UTILIZE ONE OF THE FOLLOWING MATERIALS (AS DIRECTED AND APPROVED BY APPROVING AUTHORITY) ON A SIZE FOR SIZE BASIS:
 - 12.1.1. ALUMINUM
 - 12.1.1.1. PIPE SHALL BE ALUMINUM, MANUFACTURED IN CONFORMANCE WITH ASTM B-209.
 - 12.1.1.2. METAL PIPE SHALL NOT BE ALLOWED WITHIN THE ROAD RIGHT-OF-WAY.
 - 12.1.1.3. PIPE SHALL BE SPIRAL RIB DRAINAGE PIPE WITH 3/4" x 3/4" APPROXIMATELY 7"-17" ON CENTER, GAUGE THICKNESS SHALL MEET FOOT STANDARD 945-1.
 - 12.1.1.4. PIPE COUPLING BANDS SHALL BE 1/2" WIDE STANDARD SPLIT BANDS OF THE SAME COLOR AS THE PIPE AND MAY BE ONE GAUGE LIGHTER THAN THE PIPE.
 - 12.1.1.5. POLYURETHANE OR OTHER SEALANT SHALL BE USED WITH COUPLING BANDS ON ALL NON-REINFORCED PIPE.
 - 12.1.1.6. CONTECH ULTRA-FLO
 - 12.1.1.7. REINFORCED CONCRETE (RCP)
 - 12.1.2.1. REQUIREMENTS OF SECTION 449 OF THE FDOT STANDARD SPECIFICATIONS. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS IN WATER TIGHT AND CONFORM TO THE STANDARD SPECIFICATION.
 - 12.1.2.2. JOINTS IN RCP SHALL EMPLOY O-RING TYPE GASKETS AS SPECIFIED IN SECTION 449.02 OF THE STANDARD SPECIFICATIONS.
 - 12.1.2.3. PRECAST CONCRETE MANHOLES AND CATCH BASINS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION C-478 AND 647.
 - 12.1.2.4. CONCRETE FOR PRECAST MANHOLES AND CATCH BASINS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 - 12.1.2.5. CONCRETE FOR PRECAST MANHOLES AND CATCH BASINS SHALL CONFORM TO ASTM SPECIFICATION A-615 AND A-305, LATEST REVISION.
 - 12.1.2.6. ALL REBAR SPLICES IN CONCRETE STRUCTURES SHALL HAVE A MINIMUM LAP OF 14 BAR DIAMETERS.
 - 12.1.2.7. ALL JOINTS IN CONCRETE STRUCTURES SHALL BE FINISHED WATER TIGHT.
 - 12.1.2.8. ALL JOINTS IN CONCRETE STRUCTURES INCLUDING CATCH BASINS SHALL BE COMPLETELY FILLED WITH 2.1 CEMENT MORTAR.
 - 12.1.2.9. RUBBER GASKETS, UNLESS OTHERWISE SPECIFIED.
 - 12.1.3. HIGH DENSITY POLYETHYLENE PIPE FOR STORM SEWERS SHALL CONFORM TO FDOT 948-2.
 - 12.1.4. POLYVINYL-CHLORIDE PIPE (PVC)
 - 12.1.4.1. POLYVINYL-CHLORIDE PIPE FOR STORM SEWERS SHALL CONFORM TO FDOT 948-1.
 - 12.1.4.2. CONTECH A2000 PVC
 - 12.2. CONCRETE FOR STORM DRAINAGE SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, CURRENT EDITION, SECTION 430.
 - 12.2.1. BEDDING AND BACKFILL OVER DRAINAGE PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1/4" x 2" DIAMETER, RESPECTIVELY.
 - 12.2.3. BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99 (INCLUDES SWALE AREAS).
 - 12.2.4. BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99 (INCLUDES SWALE AREAS).
 - 12.2.5. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGN SCHEDULERS IN CATCH BASINS AND AT LOCATIONS AS DIRECTED BY THE ENGINEER UNTIL FINAL ACCEPTANCE OCCURS.

13. FDEP GENERAL WATER NOTES

- 13.1. ALL PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS AND METERS INSTALLED SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.
 - 13.2. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335, F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATION OR REQUIREMENTS REFERENCED IN PARAGRAPH 62-333.320(1)(b), F.A.C.
 - 13.3. ALL PIPE AND PIPE FITTINGS INSTALLED SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(2)(1)(b), F.A.C. USING BLUE AS PREDOMINANT COLOR. UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE. SHALL HAVE A C-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO OR APPLIED TO THE PIPEWALL. UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES AND APPLIED TO THE PIPEWALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE, FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE SHALL BE PAINTED BLUE OR SHALL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.
 - 13.4. NEW OR ALTERED WATER MAINS CONSTRUCTED OF POLYVINYL CHLORIDE PIPE SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C603 OR C605, RESPECTIVELY, AS INCORPORATED INTO RULE 62-555.330, F.A.C. AND ALL OTHER NEW OR ALTERED WATER MAINS SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 AS INCORPORATED INTO RULE 62-333.330.

14. FDEP GENERAL SEWER NOTES

- 14.1. APPROPRIATE DEFLECTION TESTS ARE SPECIFIED FOR ALL FLEXIBLE PIPE. TESTING IS REQUIRED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL PIPE SYSTEM. TESTING REQUIREMENTS SPECIFY: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5% (2) USING A RIGID BAR OR MANDREL FOR ALL DEFLECTION TEST WITH A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED, AND 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.
 - 14.2. LEAKAGE TESTS ARE SPECIFIED REQUIRING THAT: 1) THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM; 2) EXFILTRATION OR INFILTRATION TEST BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET; AND 3) AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C894 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.
 - 14.3. DESIGN REQUIRES THAT A BENCH BE PROVIDED ON EACH SIDE OF ANY MANHOLE CHANNEL, WHEN THE PIPE DIAMETER(S) ARE LESS THAN THE MANHOLE DIAMETER AND THAT NO LATERAL SEWER SERVICE CONNECTION, OR DROP MANHOLE PIPE DISCHARGES INTO THE SURFACE OF THE BENCH.
 - 14.4. DESIGN REQUIRES: 1) MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS BE SEALED WITH NON-SHRINK MORTAR OR OTHER APPROPRIATE MATERIAL; 2) INLET AND OUTLET PIPES BE JOINED TO THE MANHOLE WITH A GASKETED FLEXIBLE WATER TIGHT CONNECTION OR ANOTHER WATER TIGHT CONNECTION ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLEMENT OF THE PIPE AND MANHOLE WALL; AND 3) WATER TIGHT MANHOLE COVERS BE USED WHEREVER THE MANHOLE TOPS MAY BE FLOODED BY STREET RUNOFF OR HIGH WATERS.
 - 14.5. MANHOLE INSPECTION AND TESTING FOR WATER TIGHTNESS OR DAMAGE PRIOR TO PLACING INTO SERVICE ARE REQUIRED. AIR TESTING, IF USED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.
 - 14.6. SUITABLE COUPLINGS APPROVED BY THE ENGINEER SHALL BE USED FOR JOINTING WITH ASTM SPECIFICATIONS ARE REQUIRED FOR JOINTING DISSIMILAR MATERIALS.

15. GENERAL WATER AND SEWER NOTES

- 15.1. ALL APPLICABLE PERMITS MUST BE OBTAINED AND ALL APPLICABLE FEES AND CHARGES MUST BE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION.

- 15.2. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH CITY OF LAKE WORTH ATTENDED BY THE CONTRACTOR, ENGINEER AND OTHER INTERESTED PARTIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 15.3. CONTRACTOR SHALL MAINTAIN AT ALL TIMES ON THE SITE, A CURRENT SET OF APPROVED CONSTRUCTION PLANS. THE PLANS SHALL BE MADE AVAILABLE TO THE MUNICIPALITY'S ENGINEER OR HIS DESIGNEE UPON REQUEST.
- 15.4. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS AND DURING DEMOLITION, CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO VERIFY THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON. THE OWNER'S ENGINEER SHALL BRING TO THE ATTENTION OF THE MUNICIPALITY'S ENGINEER ANY DISCREPANCY IN, OR VARIATION FROM, THE APPROVED PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES AND IMPROVEMENTS FROM DAMAGE OR DISRUPTION OF SERVICE OR DESTRUCTION. THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS AND ALL CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE ENGINEER.
- 15.5. THE CONTRACTOR SHALL INFORM THE MUNICIPALITY'S ENGINEER AT LEAST 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION AND/OR CONNECTING TO A MUNICIPAL FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SCHEDULING OF, AND PAYMENT FOR, SUCH TESTS AS MAY BE DEMED NECESSARY BY THE OWNER'S ENGINEER OR THE MUNICIPAL ENGINEER, AND AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- 15.7. THE OWNER'S ENGINEER SHALL MAKE SUFFICIENT INSPECTIONS OF THE WORK TO ENABLE HIM TO CERTIFY THAT THE INSTALLATION AS BEING IN CONFORMANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS.
- 15.8. THE OWNER'S REPRESENTATIVE WILL INFORM THE CONTRACTOR WHEN TO BACK FILL THE WORK, AND WILL WITNESS ALL PRESSURE, BACTERIOLOGICAL, AND INFILTRATION/EXFILTRATION TESTS.
- 15.9. SANITARY SEWERS AND FORCE MAINS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS AND FORCE MAINS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE, WHENEVER POSSIBLE. WHERE SANITARY SEWERS OR FORCE MAINS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP), MIN. CLASS 52 AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 12 INCHES MUST BE MAINTAINED AT ALL CROSSINGS. ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING). WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 18 INCHES VERTICAL CLEARANCE, THE PIPE SHALL BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.
- 15.10. MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH ON AN UNDISTURBED EARTH SURFACE LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
- 15.11. NO DEVIATION FROM APPROVED PLANS SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE MUNICIPAL ENGINEER.
- 15.12. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE PLANS WITH ANY PAVING AND DRAINAGE PLANS IN THIS PROJECT WORK AREA.
- 15.13. ALL INSTALLATIONS WITHIN CONDUIT RIGHT-OF-WAY SHALL BE IN CONFORMITY WITH THE CROSSINGS ALL CROSSINGS SHALL BE ARRANGED TO MEET THE STANDARD SPECIFICATIONS.
- 15.14. ALL INSTALLATIONS AND TESTING OF DUCTILE IRON PIPE SHALL COMPLY WITH ANSI/AWWA C-600-89 (OR CURRENT EDITION).
- 15.15. MINIMUM VERTICAL AND HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND SANITARY SEWER MAINS TO COMPLY WITH RULES 62-604.400(2)(g) - (i), F.A.C. AND 62-604.400 (3), F.A.C. AS NOTED BELOW:
 - 15.15.1. FOR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GROUND OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART II OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GROUND OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 - 15.16.1. EXISTING IRON PIPE AND FITTINGS FOR UNDERGROUND SERVICE SHALL RECEIVE AN EXTERIOR BUTYLUMINOUS COATING OF COAL TAR VARNISH OR ASPHALT BASE PAINT, 1.0-MIL THICKNESS IN ACCORDANCE WITH ANSI A21.4 PROTECTO 401 OR APPROVED EQUAL.
 - 15.16.2. EXPOSED DUCTILE IRON PIPE AND FITTINGS FOR SERVICE SHALL RECEIVE A FACTORY APPLIED EXTERIOR COATING OF UNIVERSAL RUST-INHIBITIVE PRIMER, 2.0 MILS DRY FILM THICKNESS.
 - 15.16.3. DUCTILE IRON PIPE AND FITTINGS FOR WASTEWATER SERVICE SHALL RECEIVE A FACTORY APPLIED INTERIOR CERAMIC EPOXY COATING WITH A MINIMUM DRY THICKNESS OF 40 MILS IN ACCORDANCE WITH ANSI A21.4 PROTECTO 401 OR APPROVED EQUAL.
 - 15.16.4. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335, F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATION OR REQUIREMENTS REFERENCED IN PARAGRAPH 62-333.320(1)(b), F.A.C.
 - 15.17. WATER APPLICATIONS:
 - 15.17.1. FOR GRAVITY SEWER ONLY SDR 26 PVC
 - 15.17.2. DIP
 - 15.17.2.1. PRESSURE CLASS 350 FOR 4"-24" DIAMETER PIPE
 - 15.17.2.2. PRESSURE CLASS 250 FOR 30" OR GREATER DIAMETER PIPE
 - 15.17.2.3. CLASS 53 FOR FLANGED APPLICATIONS
 - 15.18. FORCE MAINS SHALL BE TESTED IN ACCORDANCE WITH AWWA STANDARD C-600 LATEST REVISION. THE COMPLETE SYSTEM SHALL BE HYDROSTATICALLY TESTED UNDER A MINIMUM CONSTANT PRESSURE OF 150 PSI, FOR A MINIMUM OF 2 HOURS. A LEAKAGE TEST SHALL BE PERFORMED AT THE WORK MENTIONED PRESSURE UNTIL THE LEAKAGE IS LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:
$$L = \frac{SD \times VP}{148,000}$$
WHERE:
 - L = ALLOWABLE LEAKAGE IN GPH
 - D = NOMINAL PIPE DIAMETER IN INCHES
 - VP = LENGTH OF PIPE IN FEET BEING TESTED
 - P = AVERAGE TEST PRESSURE IN PSI

NOTE: THE SECTION OF MAIN BEING TESTED SHALL BE LIMITED TO A MAXIMUM LENGTH OF 2000'.
16. WATER SYSTEM NOTES

- 16.1. ALL WATER MAINS LARGER THAN 12" SHALL BE DUCTILE IRON PIPE (DIP). ALL PIPE MATERIAL SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
 - 16.1.1. PVC (NOT ALLOWED)
 - 16.1.1.1. 4" AND 6" DIA. CLASS 200, DR14
 - 16.1.1.2. 8" AND 12" DIA. CLASS 150, DR18 ANSI/AWWA C900-07
 - 16.1.2. DIP
 - 16.1.2.1. 15.1.1.1. ANSI/AWWA C151/A21.51 - 02 AND CEMENT MORTAR LINED AND SEALED PER ANSI/AWWA C104/A21.4-02
 - 16.1.2.2. PRESSURE CLASS 350 FOR 4"-24" DIAMETER PIPE
 - 16.1.2.3. PRESSURE CLASS 250 FOR 30" OR GREATER DIAMETER PIPE
 - 16.1.2.4. CLASS 53 FOR FLANGED APPLICATIONS
 - 16.2. ALL DUCTILE IRON PIPE-LAYING SHALL BE INSTALLED WITH A MINIMUM CLEAR COVER OF 30 INCHES. ALL PVC WATER MAINS SHALL BE INSTALLED WITH MINIMUM CLEAR COVER OF 36 INCHES.
 - 16.3. ALL TRENCHING, PIPE-LAYING, BACKFILL, PRESSURE TESTING AND DISINFECTING MUST COMPLY WITH THE COUNTY OFFICIAL MINIMUM CONSTRUCTION REQUIREMENTS.
 - 16.4. MINIMUM CLEARANCE BETWEEN STORM STRUCTURES AND WATER MAINS SHALL BE 6", AND MAXIMUM DEFLECTION PER EACH JOINT SHALL BE 2" WHERE DEFLECTION IS REQUIRED.
 - 16.5. ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON MEETING ANSI/AWWA C-110/A21.10-03 SPECIFICATIONS, WITH 250 PSI MINIMUM WORKING PRESSURE. FITTINGS MUST BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C151/A21.51-02 AND C-104/A21.4-03.
 - 16.6. MEG-A-LUTE OR APPROVED EQUAL RESTRAINED JOINT CONSTRUCTION, IF APPROVED BY THE ENGINEER, SHALL BE USED TO MINIMIZE OR ELIMINATE THRUST BLOCKS.
 - 16.7. GATE VALVES 4 INCH AND LARGER SHALL BE RESILIENT SEAT AND SHALL MEET ANSI/AWWA C-509-01 SPECIFICATIONS (LATEST REVISION). VALVES SHALL BE MUELLER OR APPROVED EQUAL.
 - 16.8. MIN. VALVE SPACING SHALL BE AS PER SECTION 8.2 OF THE TEN STATES STANDARDS.
 - 16.9. FIRE HYDRANTS SHALL BE AS REQUIRED BY THE MUNICIPAL AUTHORITY AND AT A MINIMUM

- SHALL BE TRAFFIC BREAKAWAY TYPE MUELLER CO. CENTURION MODEL NO. A-423 OR APPROVED EQUAL AND SHALL BE INSTALLED WITH THE CENTER OF THE HOSE NOZZLE 18" ABOVE FINISHED GRADE OR AS DIRECTED BY ENGINEER.
- 16.10. THE CONTRACTOR SHALL SUBMIT REQUIRED NUMBER OF COPIES AS REQUESTED BY THE ENGINEER OF THE PROPOSED MATERIALS.
 - 16.10.1. VALVES
 - 16.10.2. WATER HYDRANTS
 - 16.10.3. CURB AND CORP. STOPS
 - 16.10.4. WATER SERVICE TUBING
 - 16.10.5. WATER SERVICE CASING
 - 16.10.6. MATERIALS NOT SPECIFIED BY THE ENGINEER OR THE OWNER.
 - 16.11. WHEN PVC PIPE IS USED FOR WATER MAINS, A 14-GAUGE MULTISTRAND COPPER WIRE OR APPROVED EQUAL MATERIAL SHALL BE INSTALLED CONTINUOUSLY ALONG THE LENGTH OF THE PIPE. THE WIRE SHALL BE BROUGHT UP AND A MINIMUM OF FOUR FEET OF EXCESS WIRE SHALL BE COILED AT EACH VALVE. A GREEN LOCATOR (MODEL NO. 1253 AS MANUFACTURED BY AUTOMATION PRODUCTS CO.) OR APPROVED EQUAL SHALL BE INSTALLED AT EVERY WATER SERVICE.
 - 16.12. THE COMPLETE WATER SYSTEM SHALL BE HYDROSTATICALLY TESTED UNDER A MINIMUM CONSTANT PRESSURE OF 150 PSI FOR A MINIMUM OF 2 HOURS TEST AND SHALL NOT EXCEED THE LEAKAGE REQUIREMENTS AS PER ANSI/AWWA SPECIFICATIONS C600-05 IN ACCORDANCE WITH THE FOLLOWING LEAKAGE FORMULA:
$$L = \frac{SD \times VP}{148,000}$$
WHERE:
 - L = ALLOWABLE LEAKAGE IN GPH
 - D = NOMINAL PIPE DIAMETER IN INCHES
 - VP = LENGTH OF PIPE IN FEET BEING TESTED
 - P = AVERAGE TEST PRESSURE IN PSI

NOTE: THE SECTION OF MAIN BEING TESTED SHALL BE LIMITED TO A MAXIMUM LENGTH OF 2000'. NO ALLOWABLE LEAKAGE SHALL BE PERMITTED FOR FIRE HYDRANTS.

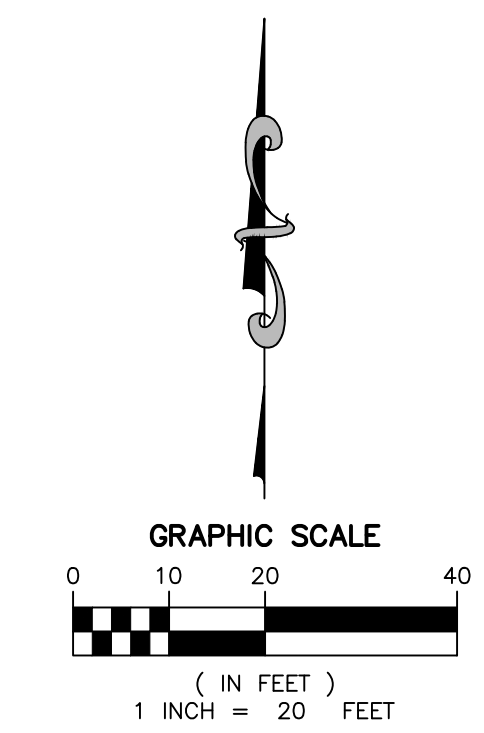
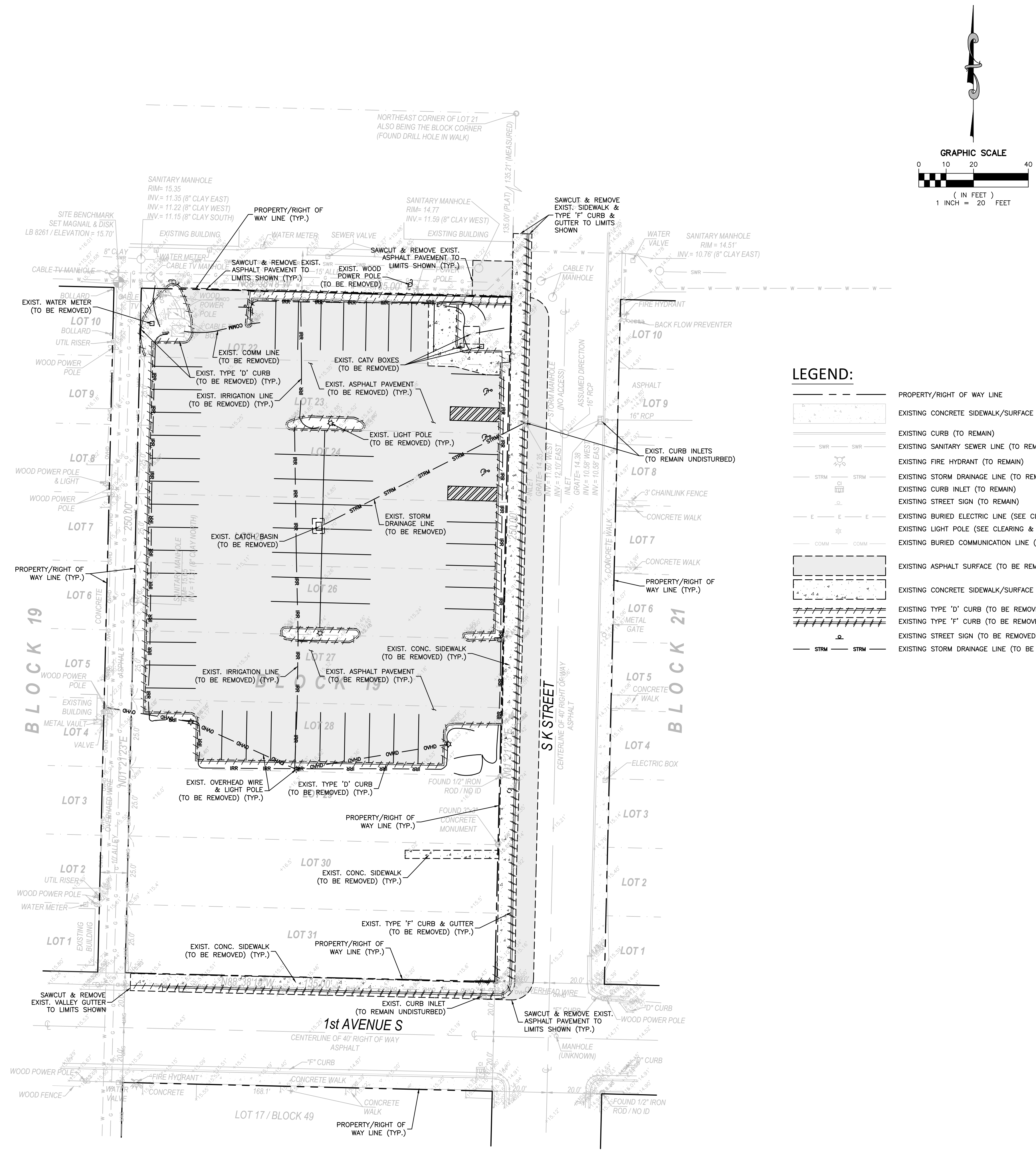
- 16.13. DISINFECTION OF WATER MAINS SHALL COMPLY WITH ANSI/AWWA C-651-05 STANDARD.
- 16.14. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS AND DURING DEMOLITION, CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO VERIFY THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON. THE OWNER'S ENGINEER SHALL BRING TO THE ATTENTION OF THE MUNICIPALITY'S ENGINEER ANY DISCREPANCY IN, OR VARIATION FROM, THE APPROVED PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES AND IMPROVEMENTS FROM DAMAGE OR DISRUPTION OF SERVICE OR DESTRUCTION. THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS AND ALL CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE ENGINEER.
- 16.15. CONSTRUCTION OF THE WATER MAINS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- 16.16. WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320, F.A.C.
- 16.17. RESTRAINED JOINT PIPE SHALL BE USED FOR ALL BENDS, TEES, CROSSES, PLUGS AND FIRE FITTINGS. CONTRACTOR TO SUBMIT FOOT APPROVED ASPHALT MIX SHOP DRAWINGS FOR THE STANDARD DETAILS AND MUNICIPAL UTILITY REQUIREMENTS.

17. FIRE SAFETY NOTES

- 17.1. ALL FIRE HYDRANTS SHALL COMPLY WITH THE FOLLOWING INSTALLATION CRITERIA:
 - 17.1.1. ALL FIRE HYDRANTS SHALL LIE WITHIN 8 FEET FROM THE EDGE OF PAVED ROAD
 - 17.1.2. THE 4-1/2" OUTLET SHALL FACE THE ROADWAY.
 - 17.1.3. THE FIRE HYDRANT SHALL BE PROTECTED AROUND THE CIRCUMFERENCE OF THE FIRE HYDRANT UNLESS OTHERWISE REQUIRED OR APPROVED BY THE FIRE CHIEF.
 - 17.1.4. LANDSCAPING SHALL NOT OBSCURE THE FIRE HYDRANT.
 - 17.1.5. REFLECTORS IN THE ROADWAY TO INDICATE FIRE HYDRANT LOCATIONS SHALL BE (FOOT) STANDARDS.
 - 17.1.6. MINIMUM WATER FLOW REQUIRED FOR FIRE HYDRANTS SHALL BE 750 GPM OR AS REQUIRED BY THE MUNICIPAL AUTHORITY.

18. PAVING

- 18.1. GENERAL
 - 18.1.1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT.
 - 18.1.2. ALL STREET CORNER PAVEMENT RADI SHALL BE 25 FEET UNLESS OTHERWISE NOTED ON THE PLANS.



LEGEND:

	PROPERTY/RIGHT OF WAY LINE
	EXISTING CONCRETE SIDEWALK/SURFACE (TO REMAIN)
	EXISTING CURB (TO REMAIN)
	EXISTING SANITARY SEWER LINE (TO REMAIN)
	EXISTING FIRE HYDRANT (TO REMAIN)
	EXISTING STORM DRAINAGE LINE (TO REMAIN)
	EXISTING CURB INLET (TO REMAIN)
	EXISTING STREET SIGN (TO REMAIN)
	EXISTING BURIED ELECTRIC LINE (SEE CLEARING & DEMOLITION NOTE #27)
	EXISTING LIGHT POLE (SEE CLEARING & DEMOLITION NOTE #27)
	EXISTING BURIED COMMUNICATION LINE (SEE CLEARING & DEMOLITION NOTE #27)
	EXISTING ASPHALT SURFACE (TO BE REMOVED) (APPROX. 21,684 SF)
	EXISTING CONCRETE SIDEWALK/SURFACE (TO BE REMOVED) (APPROX. 2,381 SF)
	EXISTING TYPE 'D' CURB (TO BE REMOVED) (APPROX. 870 LF)
	EXISTING TYPE 'F' CURB (TO BE REMOVED) (APPROX. 403 LF)
	EXISTING STREET SIGN (TO BE REMOVED)
	EXISTING STORM DRAINAGE LINE (TO BE REMOVED TO LIMITS SHOWN ON PLAN)

CLEARING & DEMOLITION NOTES:

- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
- CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF POWER LINES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY, REMOVE AND/OR RELOCATE ANY ABOVE OR BELOW GROUND STRUCTURES OR SERVICES THAT IMPACT THIS PROJECT. THIS MAY REQUIRE NEW SERVICE TIE-INS TO EXISTING SOURCES.
- PRIOR TO COMMENCEMENT OF DEMOLITION THE CONTRACTOR WILL COORDINATE HIS ACTIVITIES WITH ALL THE UTILITY COMPANIES SERVING THIS AREA. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- THE CONTRACTOR IS TO COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND BUILDINGS THAT IS INDICATED INCLUDING FOUNDATIONS, TIMBER AND BRUSH, EXCEPT AS OTHERWISE INDICATED; STUMPS AND ROOTS; EXISTING PAVEMENT; OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.
- EXCEPT IN AREAS WHERE EXISTING TREES SHALL BE PRESERVED, A MINIMUM DEPTH OF REMOVAL SHALL BE (2) FOOT BELOW SUBGRADE IN ROADWAY AREAS AND TO ORIGINAL SOILS ELSEWHERE. WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, ALL BRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED (UNLESS OTHERWISE NOTED ON PLANS). THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.
- WHERE PAVING OR STRUCTURES ARE TO BE REMOVED WHICH ABUT OR ARE A PART OF CONNECTED FACILITIES (THAT ARE OFF-SITE), RESTORATION OF ANY DAMAGE THAT MIGHT RESULT FROM DEMOLITION IS TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE AND TREES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXISTENCE & LOCATION OF ALL STRUCTURES, UTILITIES & TREES SHOWN OR NOT ON THE PLANS, WHICH WOULD NEED TO BE REMOVED OR PRESERVED.
- THE CONTRACTOR IS TO COORDINATE THE RELOCATION OR REMOVAL OF IMPACTED OVERHEAD/UNDERGROUND UTILITIES, UTILITY POLES, LIGHTS AND LINES IN THE RIGHT-OF-WAY AND ON THE PROPERTY WITH THE APPROPRIATE SERVICE PROVIDER.
- THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION. (UNDER THE DIRECTION OF AN FLORIDA REGISTERED LAND SURVEYOR).
- ALL DISTURBED AREAS OUTSIDE THE PROJECT AREA MUST BE RESTORED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR TO PROVIDE A CLEAN SAWCUT LINE AT ALL EDGES OF REMOVAL FOR PAVEMENT, SIDEWALKS, GUTTER AND/OR OTHER CONCRETE SURFACES.
- CONTRACTOR SHALL OBTAIN A COPY OF THE SITE GEOTECHNICAL REPORT AND ADHERE TO ALL REQUIREMENTS CONTAINED THEREIN.
- CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT AND INCLUDE ALL NECESSARY SOIL WORK IN THE PROJECT BID.
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY/STATE SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONS OF SITE PERMITS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERMETER DEFENSE AGAINST AN SLOPE OFF THE SITE.
- ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE.
- CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON ADJACENT TO SITE.
- FILTER FABRIC MUST BE INSTALLED UNDER ALL INLET GRATES, AT ALL TIMES WHEN INLETS ARE NOT PROTECTED BY SILT FENCE OR SYNTHETIC BUSES, UNTIL THE LIMEROCK BASE IS FINISHED AND PRIMED.
- NON STORMWATER DISCHARGES SUCH AS FIRE HYDRANT FLUSHING, ETC SHALL BE DISCHARGED TO EXISTING UNDERGROUND STORMWATER FACILITY.
- ANY POTENTIALLY HAZARDOUS CHEMICALS BROUGHT ONTO THE JOB SITE WILL BE LIMITED AND KEPT IN ORIGINAL CONTAINER WITH MSDS LABEL.
- NO SILT SHALL BE TRACKED ONTO PUBLIC ROADWAYS, ANY SILT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED BY THE END OF THE WORK DAY.
- TREES AND NON-CIVIL SCOPE UTILITY LINES SUCH AS CATV, COMMUNICATIONS, ELECTRICAL, AND GAS ARE SHOWN BASED ON BEST AVAILABLE INFORMATION. THE SPECIFIC LIMITS AND PROCEDURES FOR REMOVAL, RELOCATION, OR ABANDONMENT SHALL BE COORDINATED BY THE DESIGN CONSULTANT FOR THAT SPECIFIC SCOPE OF WORK AND THE APPLICABLE UTILITY COMPANY. DEMOLITION, REMOVAL/RELOCATION PLANS PROVIDED BY OTHER CONSULTANTS FOR THESE SPECIFIC UTILITIES OR TREES SHALL SUPERCEDE THE INFORMATION SHOWN ON THESE PLANS.
- THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER, AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
- CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE P/R/W SHALL BE INCLUDED IN RELATED BID ITEMS.
- ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.
- CONTRACTOR TO RELOCATE TREES AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL AVOID DAMAGE TO ANY EXISTING TREES TO REMAIN. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE.
- CONTRACTOR SHALL ENSURE APPROPRIATE EROSION CONTROL DEVICES ARE IN PLACE BEFORE ANY CONSTRUCTION BEGINS AND ARE USED THROUGHOUT THE DURATION OF CONSTRUCTION.
- CONTRACTOR SHALL ALWAYS PROVIDE AND MAINTAIN SAFE ACCESS TO ALL ADJACENT PROPERTIES AND SHALL MAINTAIN ACCOMMODATIONS FOR INTERSECTING & CROSSING TRAFFIC WITHIN THE CONSTRUCTION ZONE.
- PEDESTRIAN CONTROL FOR SIDEWALK CLOSURES SHALL BE IN ACCORDANCE WITH THE FOOT ROADWAY AND TRAFFIC STANDARD INDEX 102-660.

SURVEY DATUM NOTE:

ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) OBTAINED FROM THE SURVEY PERFORMED BY PRINCIPAL MERIDIAN SURVEYING, INC. (PROJECT #25-0179), LAST REVISION DATED 05-21-25, RECEIVED 05-28-25.

This item has been digitally signed and sealed by Joaquin A. Mojica, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

ML PROJECT No. 25-00093

APPROVED: JOAQUIN A. MOJICA, P.E.
FLA. REGISTRATION NO. 60488, DATE 4/8/2026



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DRAWING HISTORY

NO.	DATE	DESCRIPTION
A	01/09/2026	PLANNING & ZONING SUBMITTAL
B	04/06/2026	P&Z COMMENTS

PROJECT NAME
LAKE WORTH BEACH PARKING STRUCTURE

PROJECT LOCATION
25 SOUTH K ST. LAKE WORTH BEACH, FL 33460

PROJECT NUMBER
1008542

SHEET TITLE
SITE CLEARING & DEMOLITION PLAN

SHEET NUMBER
C2.00



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DRAWING HISTORY

Table with columns: No., Date, Description. Includes entries for planning and zoning submissions.

PROJECT NAME
LAKE WORTH BEACH PARKING STRUCTURE

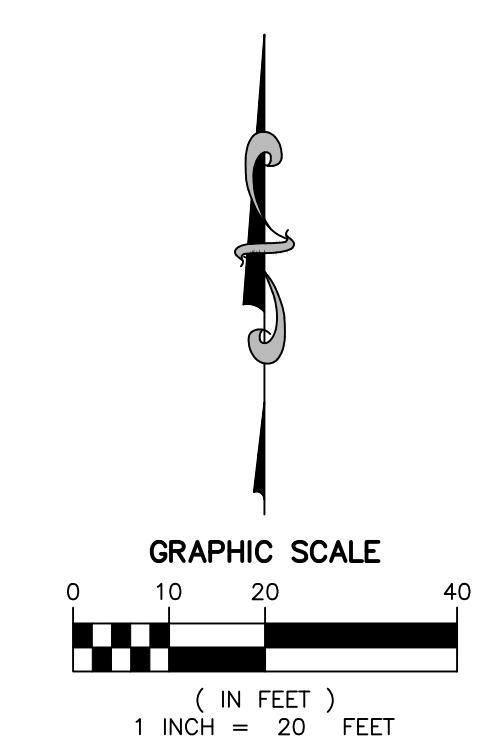
PROJECT LOCATION
25 SOUTH K ST. LAKE WORTH BEACH, FL 33460

PROJECT NUMBER
1008542

SHEET TITLE
SITE GEOMETRY, MARKING, & SIGNAGE PLAN

SHEET NUMBER

C3.00



SIGNAGE AND MARKING NOTES:

- 1. ALL SIGNAGE AND PAVEMENT MARKINGS AND THEIR CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LAKE WORTH TRAFFIC ENGINEERING STANDARDS (LATEST EDITION).
- 2. THE CONTRACTOR SHALL TAKE PRECAUTION NOT TO DAMAGE EXISTING LANDSCAPING. IF EXISTING LANDSCAPING IS IN CONFLICT WITH PROPOSED WORK THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF SAID CONFLICT.
- 3. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LAKE WORTH PUBLIC WORKS DEPARTMENT, AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 4. ALL SIGNAGE & MARKINGS WITHIN THE INTERIOR OF THE PARKING GARAGE TO BE SPECIFIED & COORDINATED BY THE ARCHITECT.

SURVEY DATUM NOTE:

ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) OBTAINED FROM THE SURVEY PERFORMED BY PRINCIPAL MERIDIAN SURVEYING, INC. (PROJECT #25-0179), LAST REVISION DATED 05-21-25, RECEIVED 05-28-25.

LAND USE BREAKDOWN:

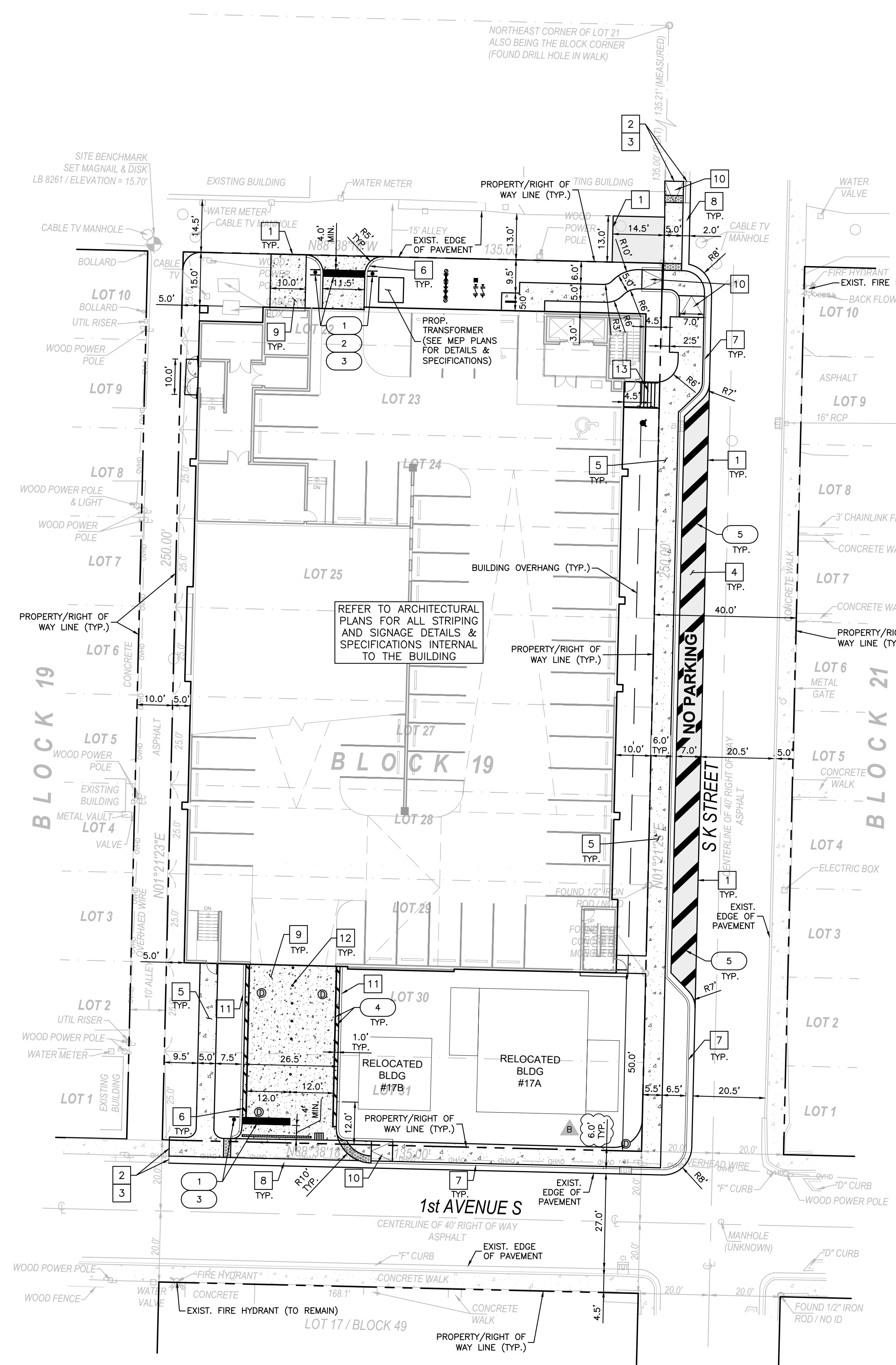
Table with columns: Category, Area (SF), Area (AC). Includes rows for Total Property Area, Existing Land Use (Imperviour, Building, Pervious), and Proposed Land Use (Imperviour, Building, Pervious).

CONSTRUCTION CALLOUTS:

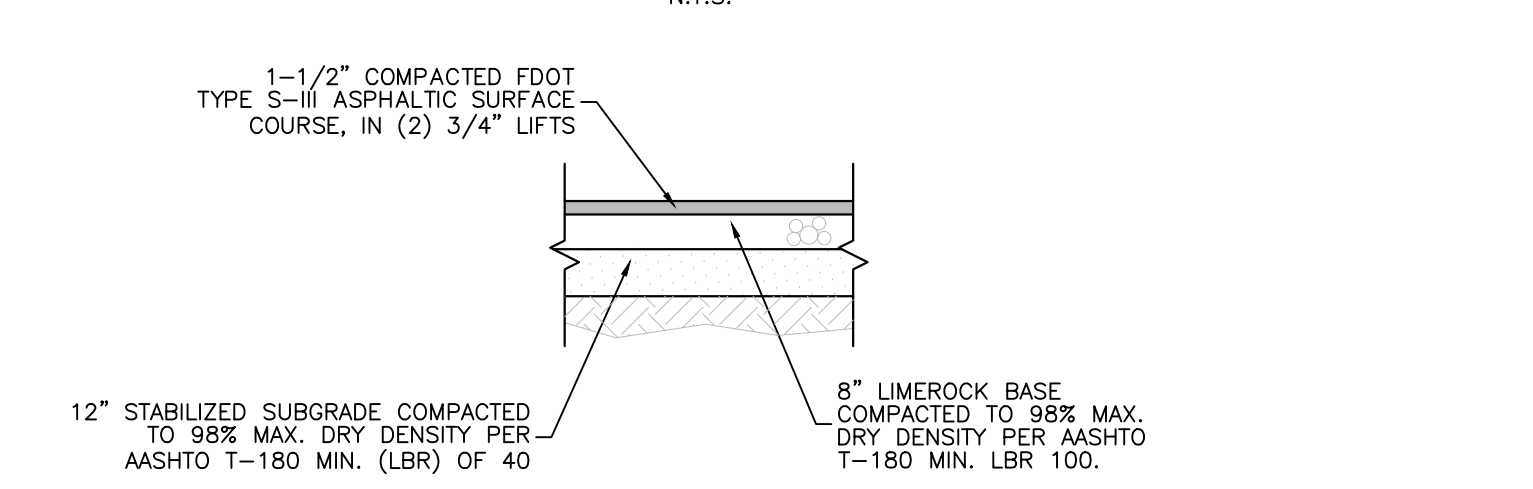
- 1. CONNECT TO EXIST. ASPHALT PAVEMENT
- 2. CONNECT TO EXIST. CONC. SIDEWALK
- 3. CONNECT TO EXIST. CONC. CURB
- 4. PROP. ASPHALT PAVEMENT
- 5. PROP. CONC. SIDEWALK
- 6. PROP. TYPE 'D' CURB
- 7. PROP. TYPE 'F' CURB & GUTTER
- 8. PROP. 2" VALLEY GUTTER
- 9. PROP. CONC. DRIVEWAY
- 10. PROP. ADA CURB RAMP PER FDOT INDEX NO. 522-002
- 11. PROP. RETAINING WALL (SEE ARCH. PLANS FOR DETAILS & SPECIFICATIONS)
- 12. PROP. PLASTIC LANE DELINEATORS @ 5' O.C. (SEE ARCH. PLANS FOR DETAILS & SPECIFICATIONS)
- 13. PROP. STEPS W/ METAL RAILING (SEE ARCH. PLANS FOR DETAILS & SPECIFICATIONS)

SIGNAGE & MARKING CALLOUTS:

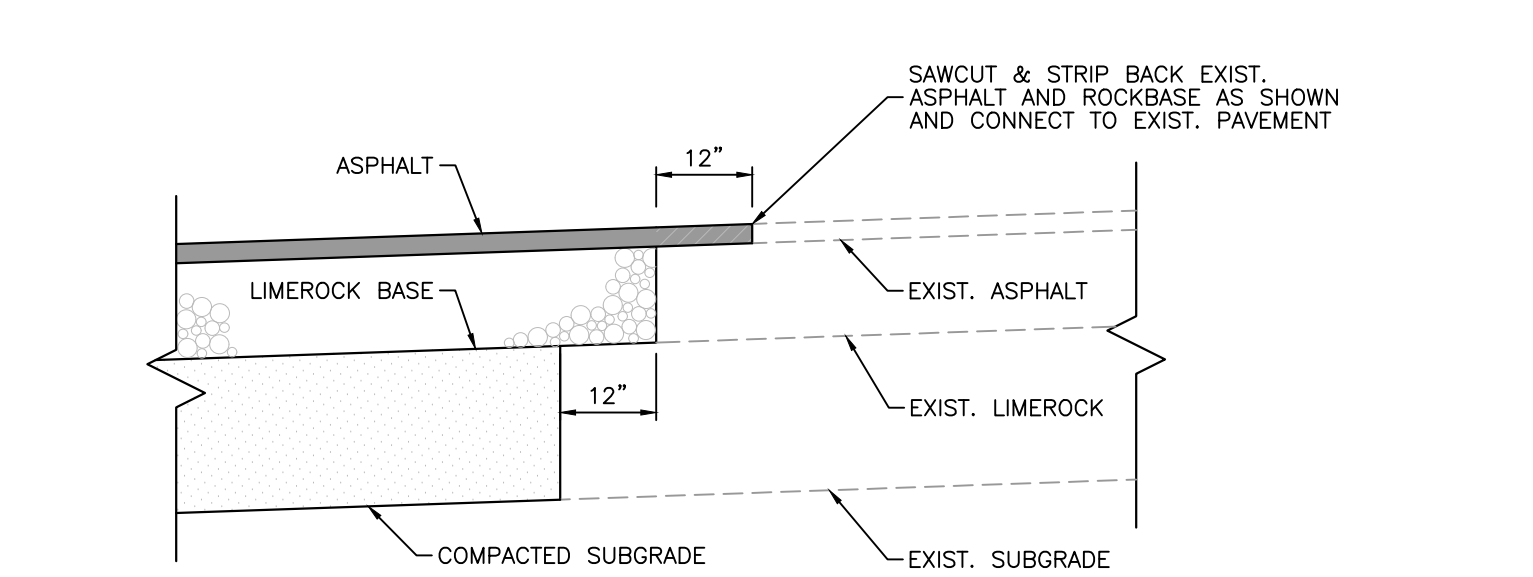
- 1. PROP. R1-1 'STOP' SIGN
- 2. PROP. R5-1 'DO NOT ENTER' SIGN
- 3. PROP. 24" SOLID WHITE THERMOPLASTIC STOP BAR
- 4. PROP. 4" SOLID WHITE THERMOPLASTIC STRIPING W/ 4" SOLID WHITE THERMOPLASTIC DIAGONAL STRIPING @ 5' O.C.
- 5. PROP. 18" SOLID WHITE THERMOPLASTIC DIAGONAL NO PARKING STRIPING @ 10' O.C.



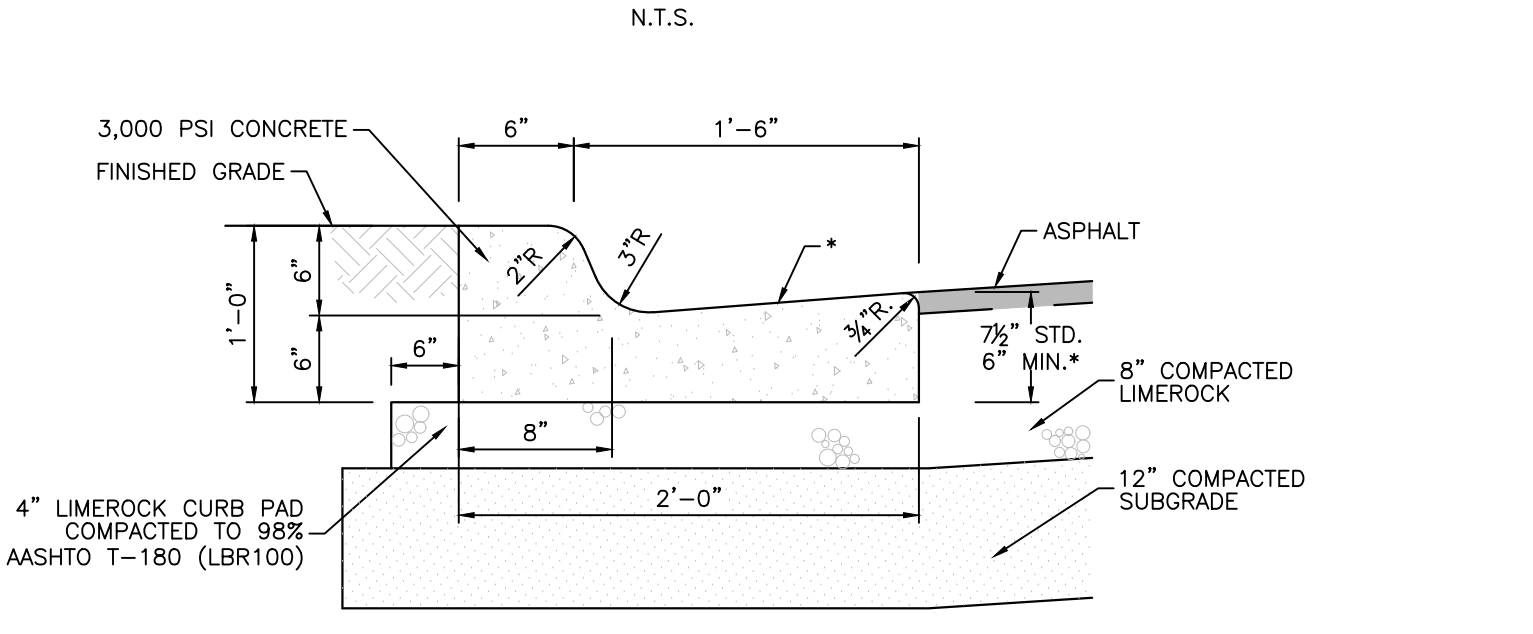
TYPE 'D' CURB



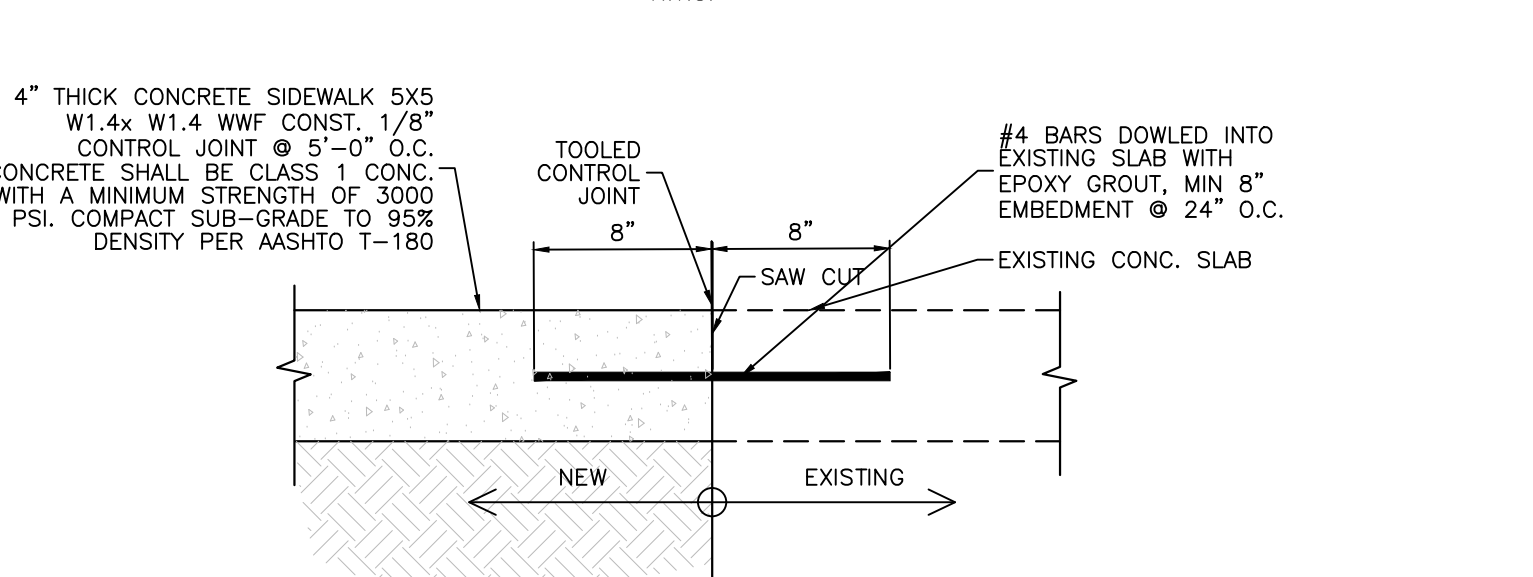
ASPHALT PAVEMENT TYPICAL CROSS-SECTION



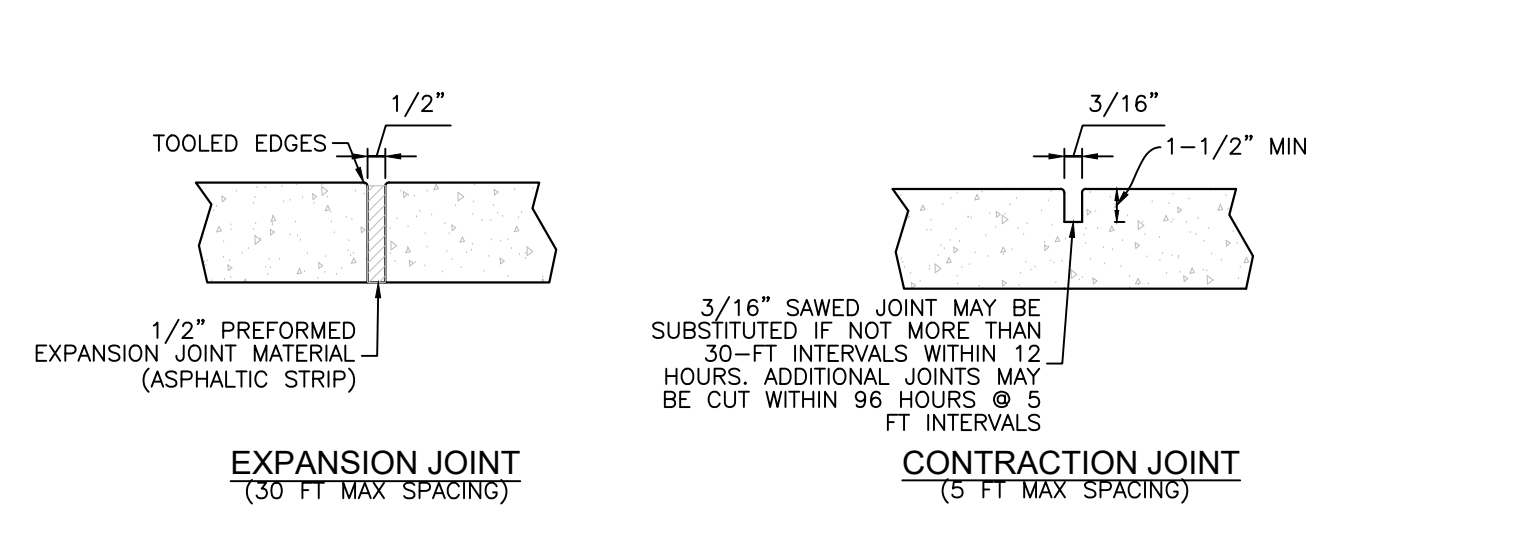
CONNECTION TO EXISTING PAVEMENT DETAIL



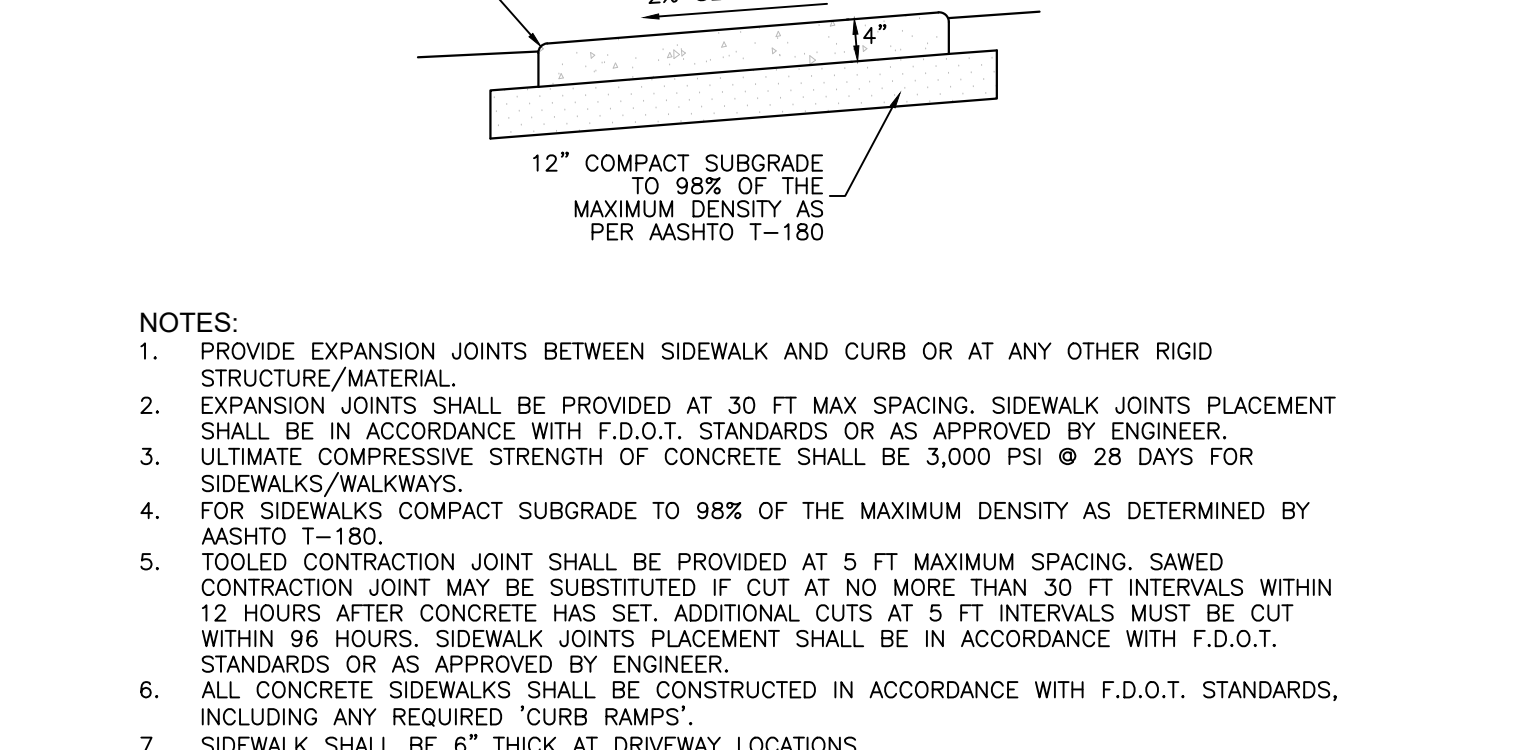
TYPE 'F' CURB & GUTTER



NEW SIDEWALK TO EXISTING CONNECTION DETAIL



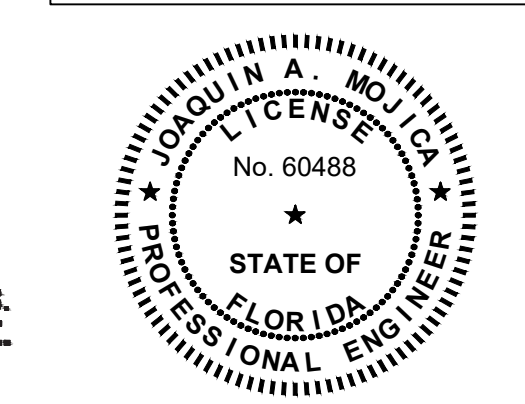
CONCRETE WALKWAY/SIDEWALK



NOTES:
1. PROVIDE EXPANSION JOINTS BETWEEN SIDEWALK AND CURB OR AT ANY OTHER RIGID STRUCTURE/MATERIAL.
2. EXPANSION JOINTS SHALL BE PROVIDED AT 30 FT MAX SPACING. SIDEWALK JOINTS PLACEMENT SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS OR AS APPROVED BY ENGINEER.
3. ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 3,000 PSI @ 28 DAYS FOR SIDEWALKS/WALKWAYS.
4. FOR SIDEWALKS COMPACT SUBGRADE TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
5. TOOLED CONTRACTION JOINT SHALL BE PROVIDED AT 5 FT MAXIMUM SPACING. SAWED CONTRACTION JOINT MAY BE SUBSTITUTED IF CUT AT NO MORE THAN 30 FT INTERVALS WITHIN 12 HOURS AFTER CONCRETE HAS SET. ADDITIONAL CUTS AT 5 FT INTERVALS MUST BE CUT WITHIN 96 HOURS. SIDEWALK JOINTS PLACEMENT SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS OR AS APPROVED BY ENGINEER.
6. ALL CONCRETE SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH F.D.O.T. STANDARDS, INCLUDING ANY REQUIRED 'CURB RAMPS'.
7. SIDEWALK SHALL BE 6" THICK AT DRIVEWAY LOCATIONS.

FILE NAME: V:\Projects\2025\05-00093 - LAKE WORTH K STREET GARAGE\Drawings\25-00093_GEO.dwg
DATE STAMP: 4/8/2025 9:19:45 AM

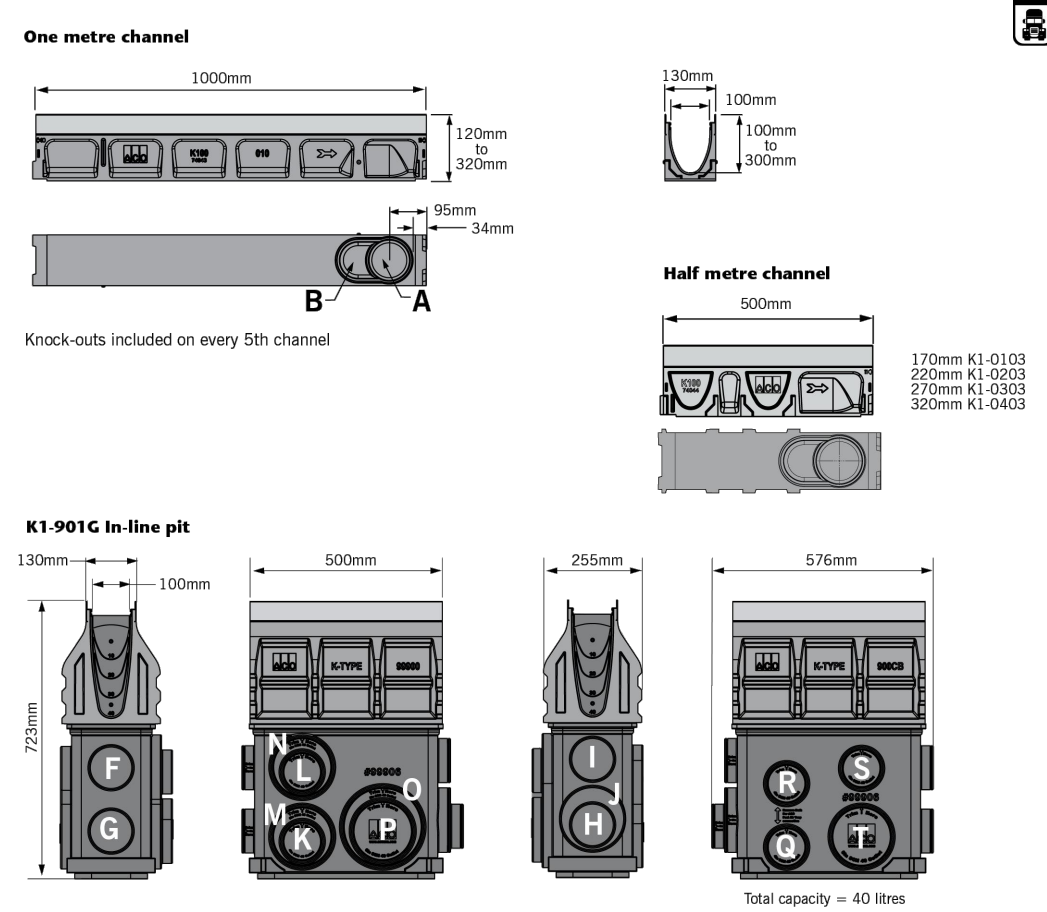
This item has been digitally signed and sealed by Joaquin A. Mojica, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



APPROVED: JOAQUIN A. MOJICA, P.E.
FLA REGISTRATION NO. 60488, DATE: 4/8/2026

ML PROJECT No. 25-00093

ACO DRAIN®
KlassikDrain - K100 Galvalised steel edge rail channel system



Outlet flow rates

Outlet	Product	Outlet size (mm)	Invert Depth (mm)	L/s
A	Bottom outlet - K1-00	100mm round	100	7.2
B	Bottom outlet - K1-00	150mm oval	100	11.7
C	End outlet - K1-00	150mm oval	300	20.3
D	End outlet - K1-00	100mm round	300	7.2
E	K1-901C	100mm round	480	14.3
F	K1-901C	100mm round	650	14.8
G	K1-901C	100mm round	643	16.7
H	K1-901C	100mm round	457	12.8
I	K1-901C	100mm round	607	12.1
J	K1-901C	100mm round	431	12.1
K	K1-901C	100mm round	497	24.2
L	K1-901C	100mm round	693	37.4
M	K1-901C	100mm round	693	38.4
N	K1-901C	100mm round	693	50.5
O	K1-901C	100mm round	671	38.7
P	K1-901C	100mm round	690	37.4
Q	K1-901C	100mm round	671	14.7
R	K1-901C	100mm round	482	14.0
S	K1-901C	100mm round	482	14.0
T	K1-901C	100mm round	482	14.0

www.ACOdrain.com.au | www.ACOdrain.co.nz

ACO DRAIN®
KlassikDrain - K100 Galvalised steel edge rail channel system

ACO Specification Information

Description	Part No.	Invert (mm)	Weight (kg)	Description	Part No.	Invert (mm)	Weight (kg)
K1-00 Neutral channel - (10m)	144041	100	12.7	K1-20 Sloped channel - (10m)	144028	250	29.1
K1-20 Sloped channel - (10m)	144029	100	12.7	K1-20 Sloped channel - (10m)	144029	250	29.1
K1-30 Sloped channel - (10m)	144030	110	13.9	K1-30 Sloped channel - (10m)	144030	250	23.0
K1-40 Sloped channel - (10m)	144031	120	15.1	K1-40 Sloped channel - (10m)	144031	250	26.9
K1-50 Sloped channel - (10m)	144032	130	16.4	K1-50 Sloped channel - (10m)	144032	250	24.0
K1-60 Sloped channel - (10m)	144033	140	17.7	K1-60 Sloped channel - (10m)	144033	250	24.8
K1-70 Sloped channel - (10m)	144034	150	19.0	K1-70 Sloped channel - (10m)	144034	250	25.4
K1-80 Sloped channel - (10m)	144035	160	20.3	K1-80 Sloped channel - (10m)	144035	250	25.5
K1-90 Sloped channel - (10m)	144036	170	21.6	K1-90 Sloped channel - (10m)	144036	250	26.3
K1-100 Sloped channel - (10m)	144037	180	22.9	K1-100 Sloped channel - (10m)	144037	250	27.0
K1-110 Sloped channel - (10m)	144038	190	24.2	K1-110 Sloped channel - (10m)	144038	250	27.9
K1-120 Sloped channel - (10m)	144039	200	25.5	K1-120 Sloped channel - (10m)	144039	250	28.6
K1-130 Sloped channel - (10m)	144040	210	26.8	K1-130 Sloped channel - (10m)	144040	250	29.3
K1-140 Sloped channel - (10m)	144041	220	28.1	K1-140 Sloped channel - (10m)	144041	250	30.0
K1-150 Sloped channel - (10m)	144042	230	29.4	K1-150 Sloped channel - (10m)	144042	250	30.7
K1-160 Sloped channel - (10m)	144043	240	30.7	K1-160 Sloped channel - (10m)	144043	250	31.4
K1-170 Sloped channel - (10m)	144044	250	32.0	K1-170 Sloped channel - (10m)	144044	250	32.1
K1-180 Sloped channel - (10m)	144045	260	33.3	K1-180 Sloped channel - (10m)	144045	250	32.8
K1-190 Sloped channel - (10m)	144046	270	34.6	K1-190 Sloped channel - (10m)	144046	250	33.5
K1-200 Sloped channel - (10m)	144047	280	35.9	K1-200 Sloped channel - (10m)	144047	250	34.2
K1-210 Sloped channel - (10m)	144048	290	37.2	K1-210 Sloped channel - (10m)	144048	250	34.9
K1-220 Sloped channel - (10m)	144049	300	38.5	K1-220 Sloped channel - (10m)	144049	250	35.6
K1-230 Sloped channel - (10m)	144050	310	39.8	K1-230 Sloped channel - (10m)	144050	250	36.3
K1-240 Sloped channel - (10m)	144051	320	41.1	K1-240 Sloped channel - (10m)	144051	250	37.0
K1-250 Sloped channel - (10m)	144052	330	42.4	K1-250 Sloped channel - (10m)	144052	250	37.7
K1-260 Sloped channel - (10m)	144053	340	43.7	K1-260 Sloped channel - (10m)	144053	250	38.4
K1-270 Sloped channel - (10m)	144054	350	45.0	K1-270 Sloped channel - (10m)	144054	250	39.1
K1-280 Sloped channel - (10m)	144055	360	46.3	K1-280 Sloped channel - (10m)	144055	250	39.8
K1-290 Sloped channel - (10m)	144056	370	47.6	K1-290 Sloped channel - (10m)	144056	250	40.5
K1-300 Sloped channel - (10m)	144057	380	48.9	K1-300 Sloped channel - (10m)	144057	250	41.2
K1-310 Sloped channel - (10m)	144058	390	50.2	K1-310 Sloped channel - (10m)	144058	250	41.9
K1-320 Sloped channel - (10m)	144059	400	51.5	K1-320 Sloped channel - (10m)	144059	250	42.6
K1-330 Sloped channel - (10m)	144060	410	52.8	K1-330 Sloped channel - (10m)	144060	250	43.3
K1-340 Sloped channel - (10m)	144061	420	54.1	K1-340 Sloped channel - (10m)	144061	250	44.0
K1-350 Sloped channel - (10m)	144062	430	55.4	K1-350 Sloped channel - (10m)	144062	250	44.7
K1-360 Sloped channel - (10m)	144063	440	56.7	K1-360 Sloped channel - (10m)	144063	250	45.4
K1-370 Sloped channel - (10m)	144064	450	58.0	K1-370 Sloped channel - (10m)	144064	250	46.1
K1-380 Sloped channel - (10m)	144065	460	59.3	K1-380 Sloped channel - (10m)	144065	250	46.8
K1-390 Sloped channel - (10m)	144066	470	60.6	K1-390 Sloped channel - (10m)	144066	250	47.5
K1-400 Sloped channel - (10m)	144067	480	61.9	K1-400 Sloped channel - (10m)	144067	250	48.2
K1-410 Sloped channel - (10m)	144068	490	63.2	K1-410 Sloped channel - (10m)	144068	250	48.9
K1-420 Sloped channel - (10m)	144069	500	64.5	K1-420 Sloped channel - (10m)	144069	250	49.6
K1-430 Sloped channel - (10m)	144070	510	65.8	K1-430 Sloped channel - (10m)	144070	250	50.3
K1-440 Sloped channel - (10m)	144071	520	67.1	K1-440 Sloped channel - (10m)	144071	250	51.0
K1-450 Sloped channel - (10m)	144072	530	68.4	K1-450 Sloped channel - (10m)	144072	250	51.7
K1-460 Sloped channel - (10m)	144073	540	69.7	K1-460 Sloped channel - (10m)	144073	250	52.4
K1-470 Sloped channel - (10m)	144074	550	71.0	K1-470 Sloped channel - (10m)	144074	250	53.1
K1-480 Sloped channel - (10m)	144075	560	72.3	K1-480 Sloped channel - (10m)	144075	250	53.8
K1-490 Sloped channel - (10m)	144076	570	73.6	K1-490 Sloped channel - (10m)	144076	250	54.5
K1-500 Sloped channel - (10m)	144077	580	74.9	K1-500 Sloped channel - (10m)	144077	250	55.2
K1-510 Sloped channel - (10m)	144078	590	76.2	K1-510 Sloped channel - (10m)	144078	250	55.9
K1-520 Sloped channel - (10m)	144079	600	77.5	K1-520 Sloped channel - (10m)	144079	250	56.6
K1-530 Sloped channel - (10m)	144080	610	78.8	K1-530 Sloped channel - (10m)	144080	250	57.3
K1-540 Sloped channel - (10m)	144081	620	80.1	K1-540 Sloped channel - (10m)	144081	250	58.0
K1-550 Sloped channel - (10m)	144082	630	81.4	K1-550 Sloped channel - (10m)	144082	250	58.7
K1-560 Sloped channel - (10m)	144083	640	82.7	K1-560 Sloped channel - (10m)	144083	250	59.4
K1-570 Sloped channel - (10m)	144084	650	84.0	K1-570 Sloped channel - (10m)	144084	250	60.1
K1-580 Sloped channel - (10m)	144085	660	85.3	K1-580 Sloped channel - (10m)	144085	250	60.8
K1-590 Sloped channel - (10m)	144086	670	86.6	K1-590 Sloped channel - (10m)	144086	250	61.5
K1-600 Sloped channel - (10m)	144087	680	87.9	K1-600 Sloped channel - (10m)	144087	250	62.2
K1-610 Sloped channel - (10m)	144088	690	89.2	K1-610 Sloped channel - (10m)	144088	250	62.9
K1-620 Sloped channel - (10m)	144089	700	90.5	K1-620 Sloped channel - (10m)	144089	250	63.6
K1-630 Sloped channel - (10m)	144090	710	91.8	K1-630 Sloped channel - (10m)	144090	250	64.3
K1-640 Sloped channel - (10m)	144091	720	93.1	K1-640 Sloped channel - (10m)	144091	250	65.0
K1-650 Sloped channel - (10m)	144092	730	94.4	K1-650 Sloped channel - (10m)	144092	250	65.7
K1-660 Sloped channel - (10m)	144093	740	95.7	K1-660 Sloped channel - (10m)	144093	250	66.4
K1-670 Sloped channel - (10m)	144094	750	97.0	K1-670 Sloped channel - (10m)	144094	250	67.1
K1-680 Sloped channel - (10m)	144095	760	98.3	K1-680 Sloped channel - (10m)	144095	250	67.8
K1-690 Sloped channel - (10m)	144096	770	99.6	K1-690 Sloped channel - (10m)	144096	250	68.5
K1-700 Sloped channel - (10m)	144097	780	100.9	K1-700 Sloped channel - (10m)	144097	250	69.2
K1-710 Sloped channel - (10m)	144098	790	102.2	K1-710 Sloped channel - (10m)	144098	250	69.9
K1-720 Sloped channel - (10m)	144099	800	103.5	K1-720 Sloped channel - (10m)	144099	250	70.6
K1-730 Sloped channel - (10m)	144100	810	104.8	K1-730 Sloped channel - (10m)	144100	250	71.3
K1-740 Sloped channel - (10m)	144101	820	106.1	K1-740 Sloped channel - (10m)	144101	250	72.0
K1-750 Sloped channel - (10m)	144102	830	107.4	K1-750 Sloped channel - (10m)	144102	250	72.7
K1-760 Sloped channel - (10m)	144103	840	108.7	K1-760 Sloped channel - (10m)	144103	250	73.4
K1-770 Sloped channel - (10m)	144104	850	110.0	K1-770 Sloped channel - (10m)	144104	250	74.1
K1-780 Sloped channel - (10m)	144105	860	111.3	K1-780 Sloped channel - (10m)	144105	250	74.8
K1-790 Sloped channel - (10m)	144106	870	112.6	K1-790 Sloped channel - (10m)	144106	250	75.5
K1-800 Sloped channel - (10m)	144107	880	113.9	K1-800 Sloped channel - (10m)	144107	250	76.2
K1-810 Sloped channel - (10m)	144108	890	115.2	K1-810 Sloped channel - (10m)	144108	250	76.9
K1-820 Sloped channel - (10m)	144109	900	116.5	K1-820 Sloped channel - (10m)	144109	250	77.6
K1-830 Sloped channel - (10m)	144110	910	117.8	K1-830 Sloped channel - (10m)	144110	250	78.3
K1-840 Sloped channel - (10m)	144111	920	119.1	K1-840 Sloped channel - (10m)	144111	250	79.0
K1-850 Sloped channel - (10m)	144112	930	120.4	K1-850 Sloped channel - (10m)	144112	250	79.7
K1-860 Sloped channel - (10m)	144113	940	121.7	K1-860 Sloped channel - (10m)	144113	250	80.4
K1-870 Sloped channel - (10m)	144114	950	123.0	K1-870 Sloped channel - (10m)	144114	250	81.1
K1-880 Sloped channel - (10m)	144115	960	124.3	K1-880 Sloped channel - (10m)	144115	250	81.8
K1-890 Sloped channel - (10m)	144116	970	125.6	K1-890 Sloped channel - (10m)	144116	250	82.5
K1-900 Sloped channel - (10m)	144117	980	126.9	K1-900 Sloped channel - (10m)	144117	250	83.2
K1-910 Sloped channel - (10m)	144118	990	128.2	K1-910 Sloped channel - (10m)	144118	250	83.9
K1-920 Sloped channel - (10m)	144119	1000	129.5	K1-920 Sloped channel - (10m)	144119	250	84.6
K1-930 Sloped channel - (10m)	144120	1010	130.8	K1-930 Sloped channel - (10m)	144120	250	85.3
K1-940 Sloped channel - (10m)	144121	1020	132.1	K1-940 Sloped channel - (10m)	144121	250	86.0
K1-950 Sloped channel - (10m)	144122	1030	133.4	K1-950 Sloped channel - (10m)	144122	250	86.7
K1-960 Sloped channel - (10m)	144123	1040	134.7	K1-960 Sloped channel - (10m)	144123	250	87.4
K1-970 Sloped channel - (10m)	144124	1050	136.0	K1-970 Sloped channel - (10m)	144124	250	88.1
K1-980 Sloped channel - (10m)	144125	1060	137.3	K1-980 Sloped channel - (10m)	144125	250	88.8
K1-990 Sloped channel - (10m)	144126	1070	138.6	K1-990 Sloped channel - (10m)	144126	250	89.5
K1-1000 Sloped channel - (10m)	144127	1080	139.9	K1-1000 Sloped channel - (10m)	144127	250	90.2

Specifications

Flow Strength: 35 kN/m

Load Capacity: 1.5 kN/m

Material: Galvalised steel

Finish: RAL 5010

Installation: See ACO DRAIN manual

ACO Polycrete Pty Ltd
Australia: Ph: 08 9450 0200
New Zealand: Ph: 09 488 8888

ACO DRAIN
Type 451D/453D Perforated stainless steel grate (ADA)

- Product Features**
- Certified to EN 1433 Load Class A, 3,900 lbs - 70 psi
 - Uses Drain-LoK™ lockless locking system
 - Available for use with K100, K150, and H100K & H150K channels
 - Manufactured from 16 gauge, grade 304 stainless steel
 - Patented reinforcement underneath designed to prevent bowing and collapse
 - Complies with ADA - American Disabilities Act of 1990 Section 4.04
 - Complies with ASME: A112.6.3 - 2001; Section 7.12
 - Heat Resistant Strainers and Grates
 - Recycle: 100% Recycled Resistant to AS3996-2006



Specifications

General: The surface drainage system shall be ACO Drain K100, K150, and H100K & H150K channels.

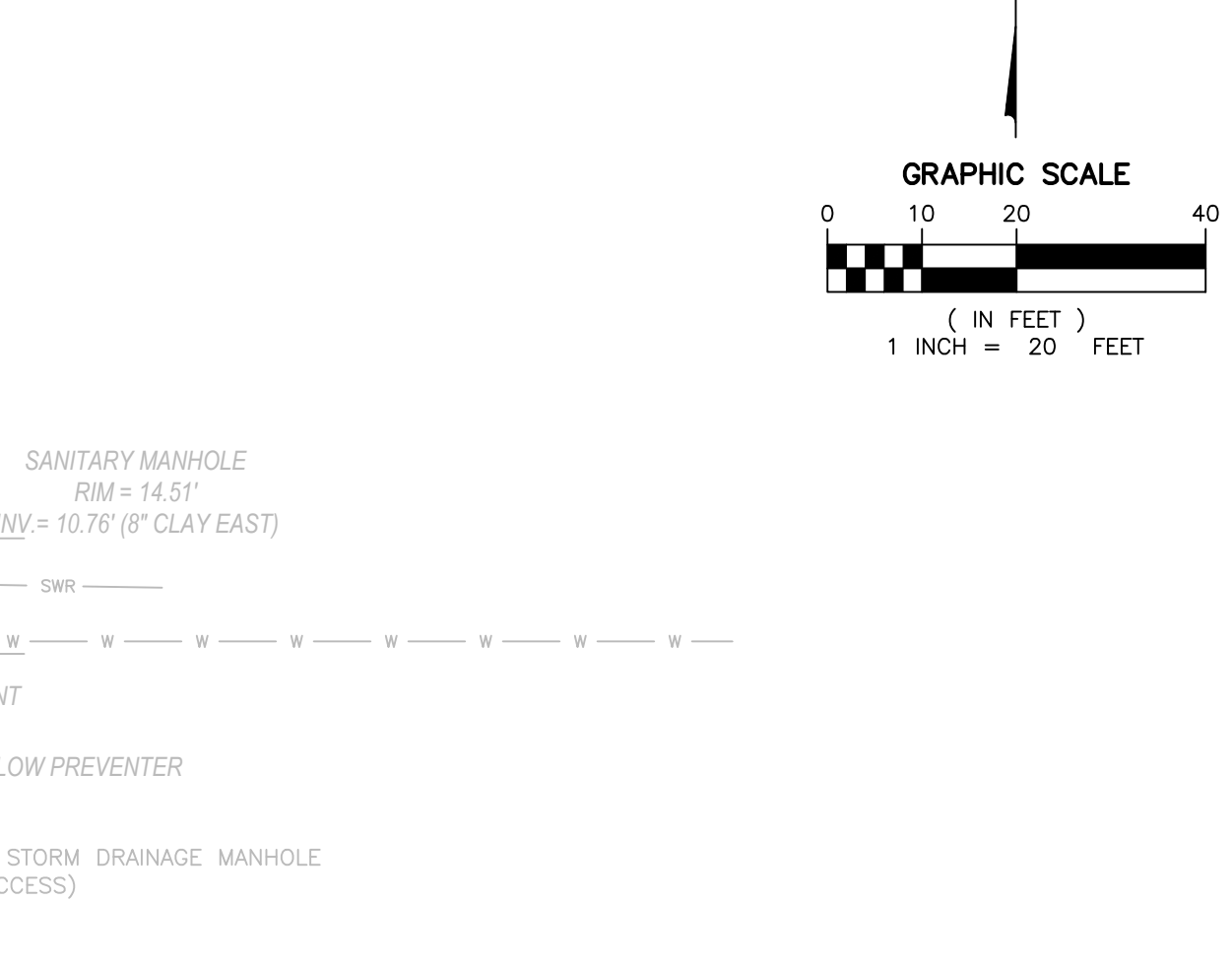
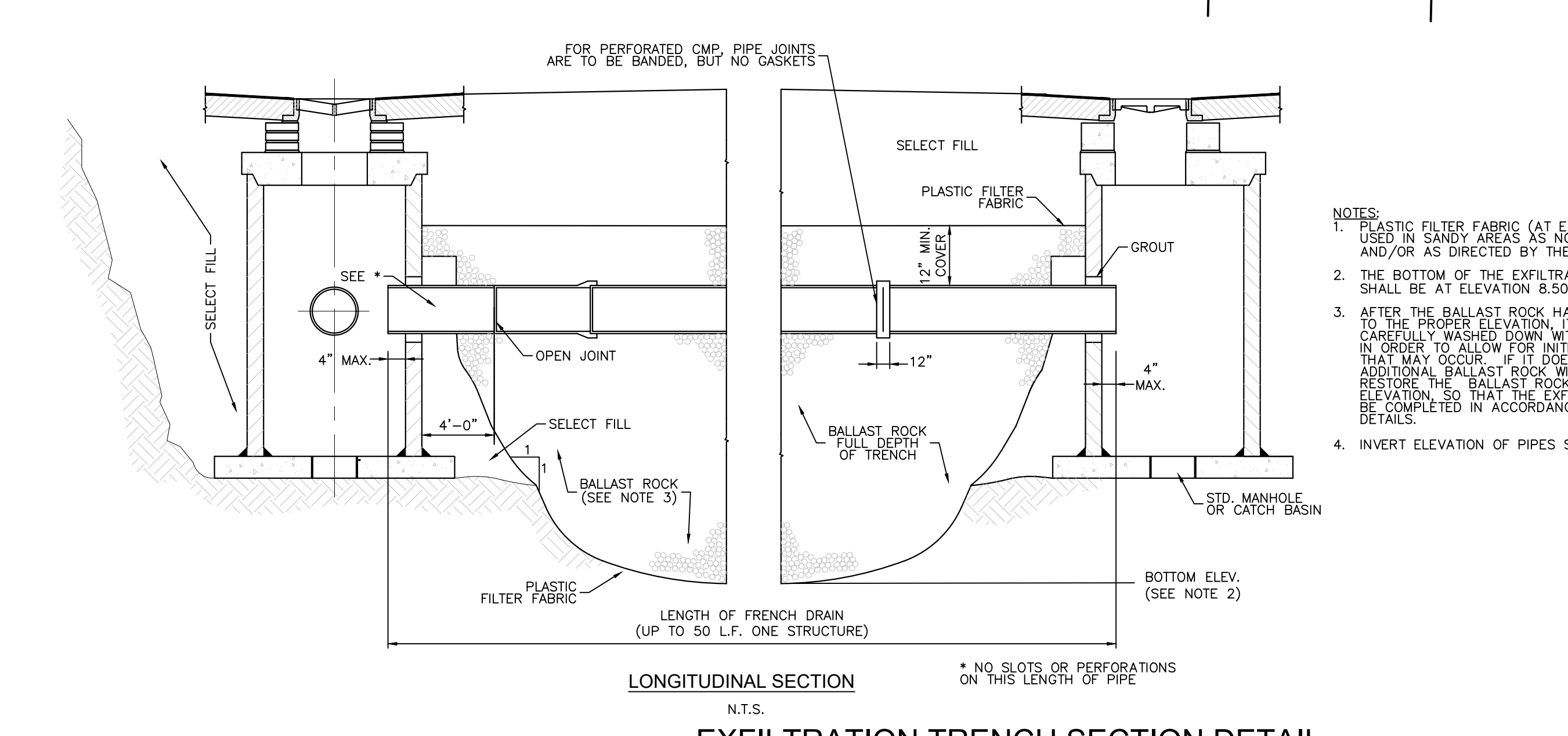
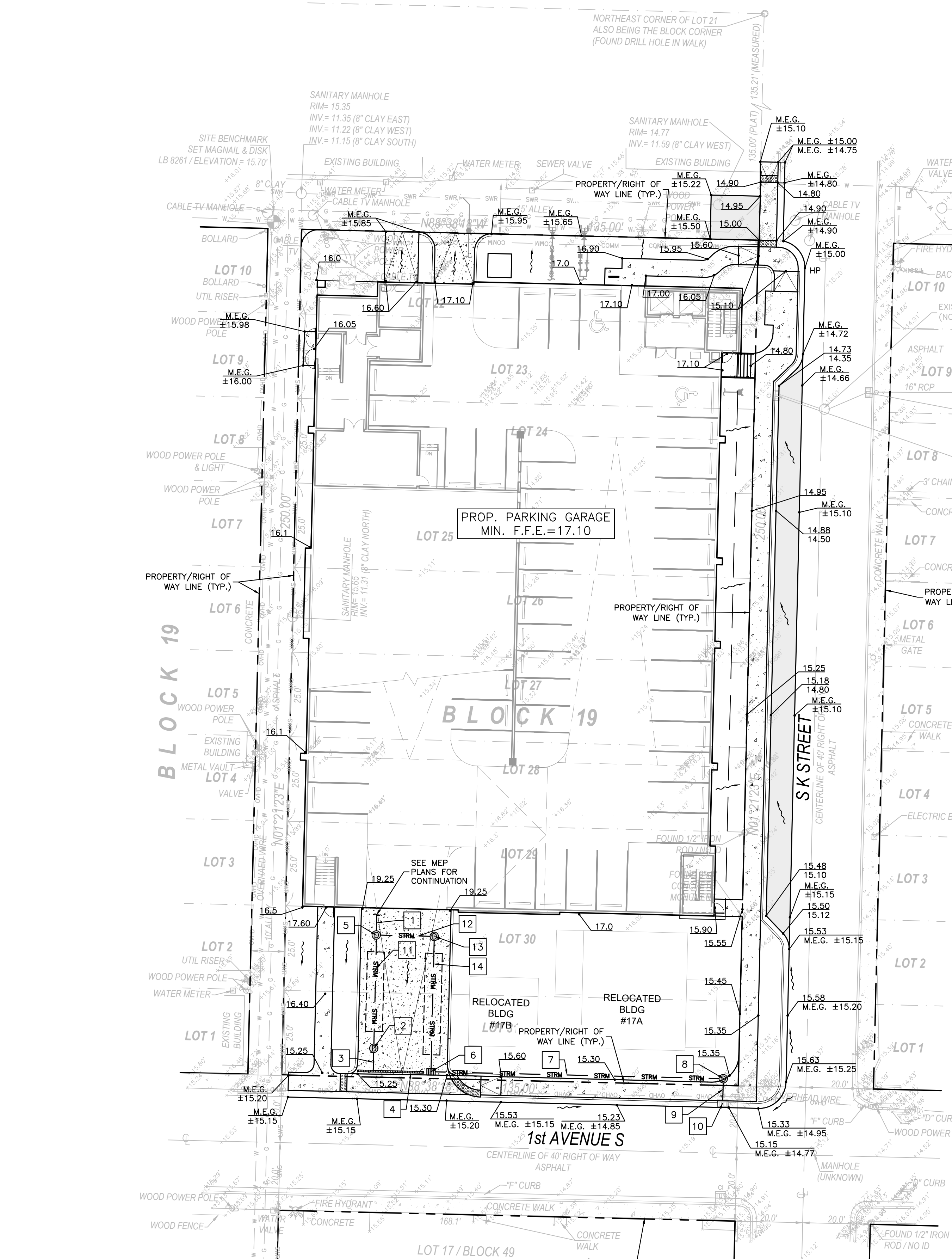
Material: The covers shall be manufactured from stainless steel and have minimum properties as follows:

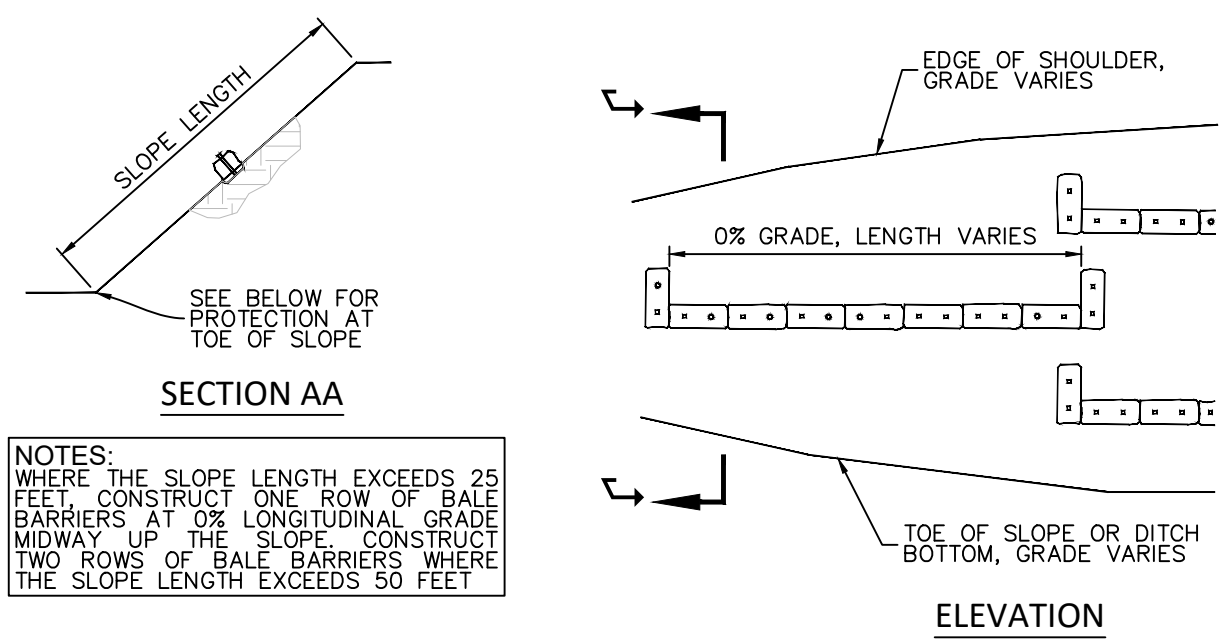
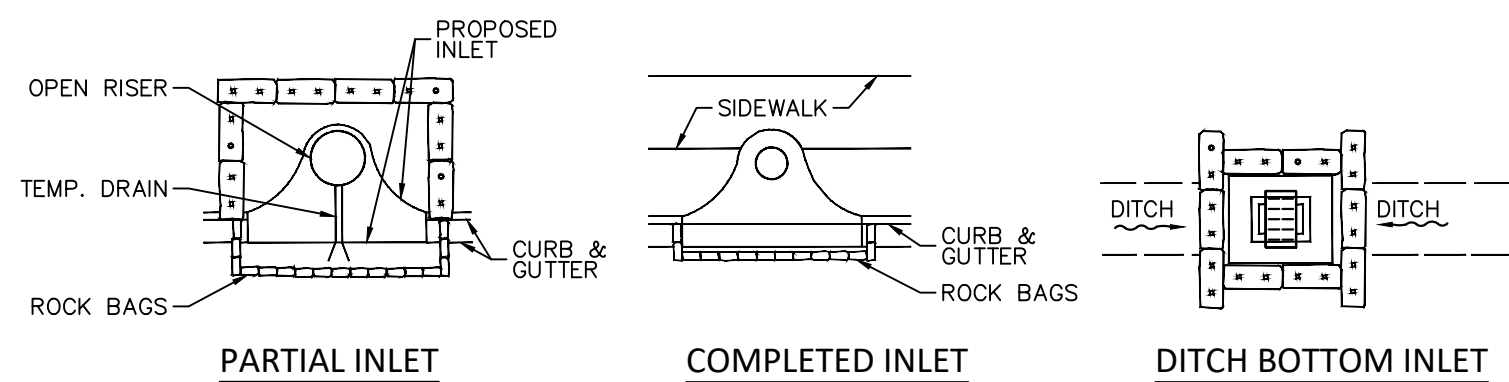
- Independently certified to meet Load Class A in EN 1433 - 2,000 lbs - 70 psi
- 16 gauge, grade 304 stainless steel
- Minimum area of 14.1 sq. in. (92.5 sq. cm) per half meter of grate

The overall width of 4.84' (12.0mm) and overall length of 39.37' (1000mm) (Type 451D) and 19.67' (500mm) (Type 453D). Perforations measure 0.25" (6.35mm) diameter.

ACO Specification Information

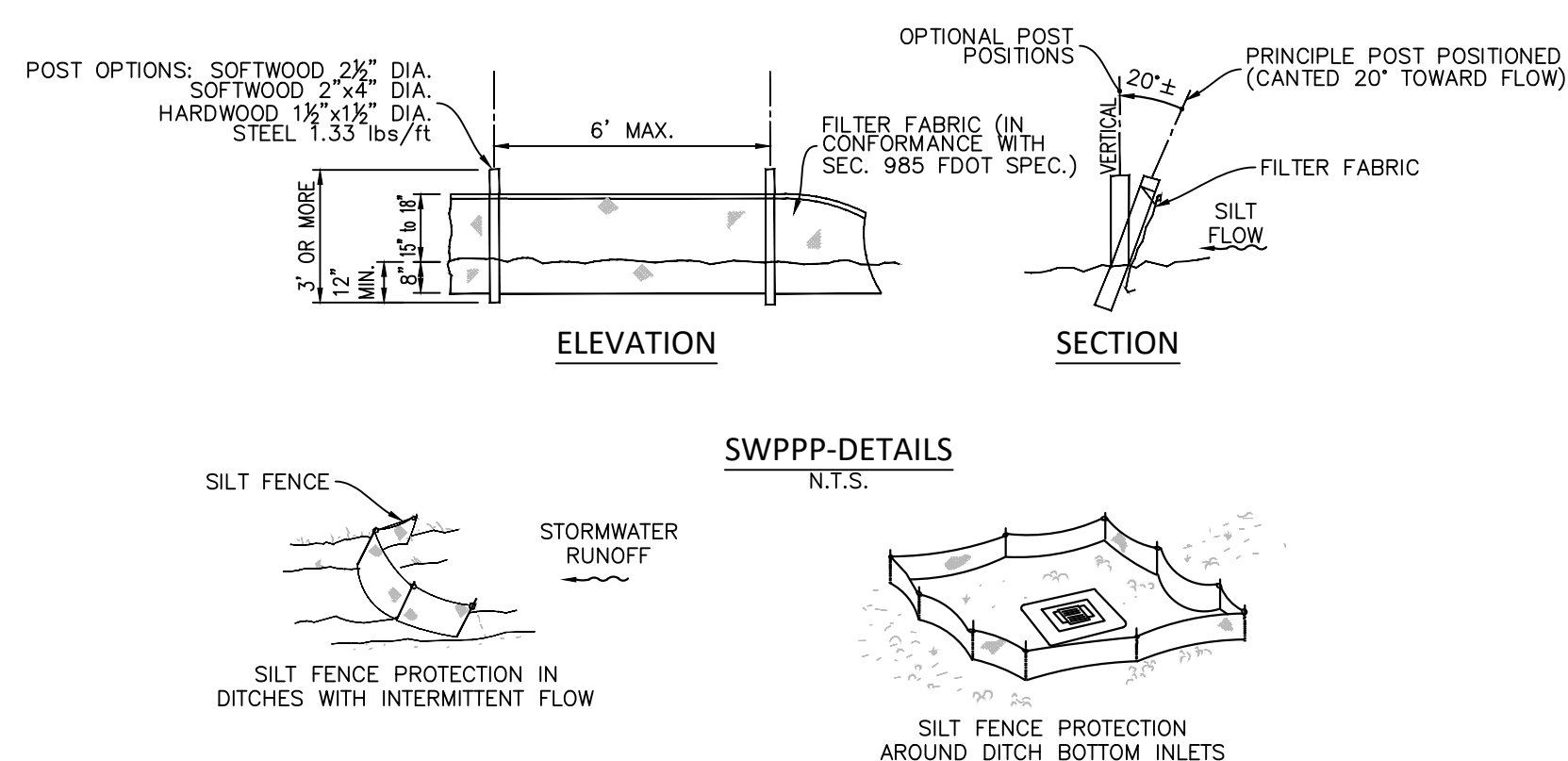
ACO Specification Information





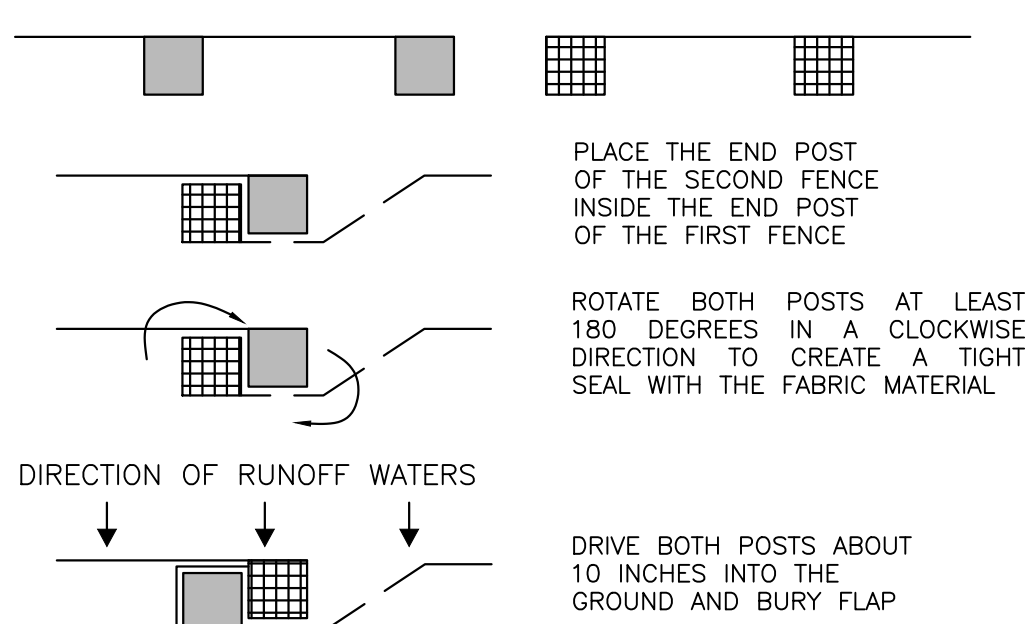
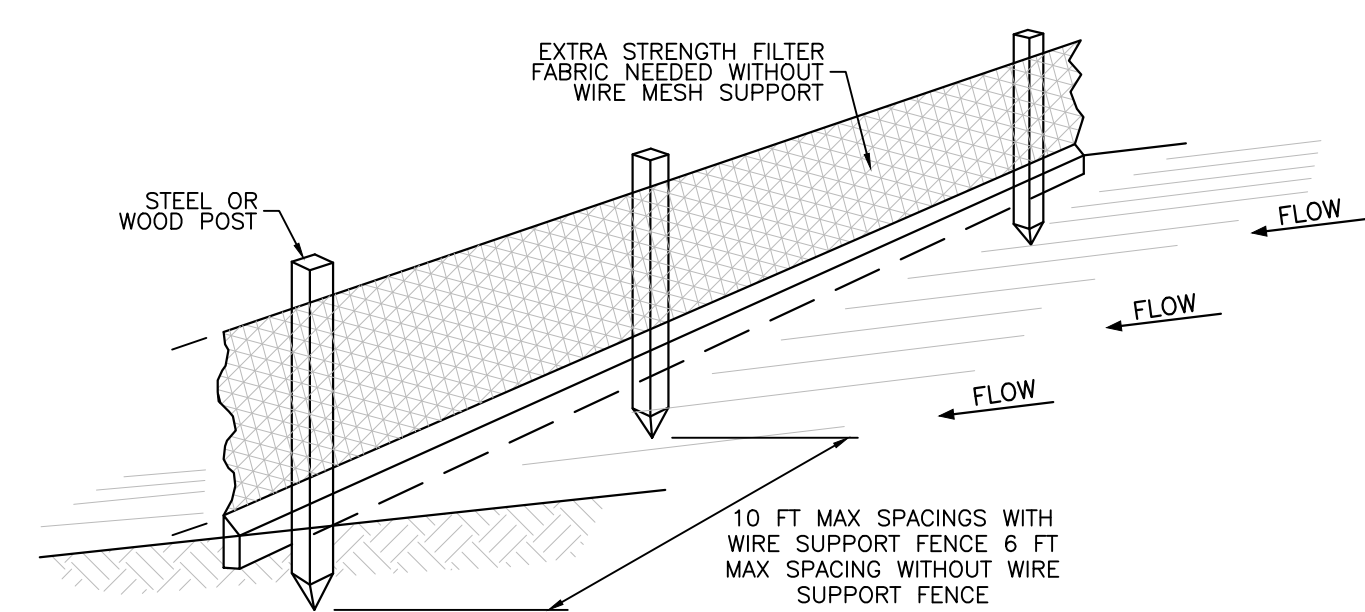
NOTES:
WHERE THE SLOPE LENGTH EXCEEDS 25 FEET, CONSTRUCT ONE ROW OF SILT FENCE BARRIERS AT THE DOWNSTREAM END OF THE SLOPE. CONSTRUCT TWO ROWS OF SILT BARRIERS WHERE THE SLOPE LENGTH EXCEEDS 50 FEET.

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

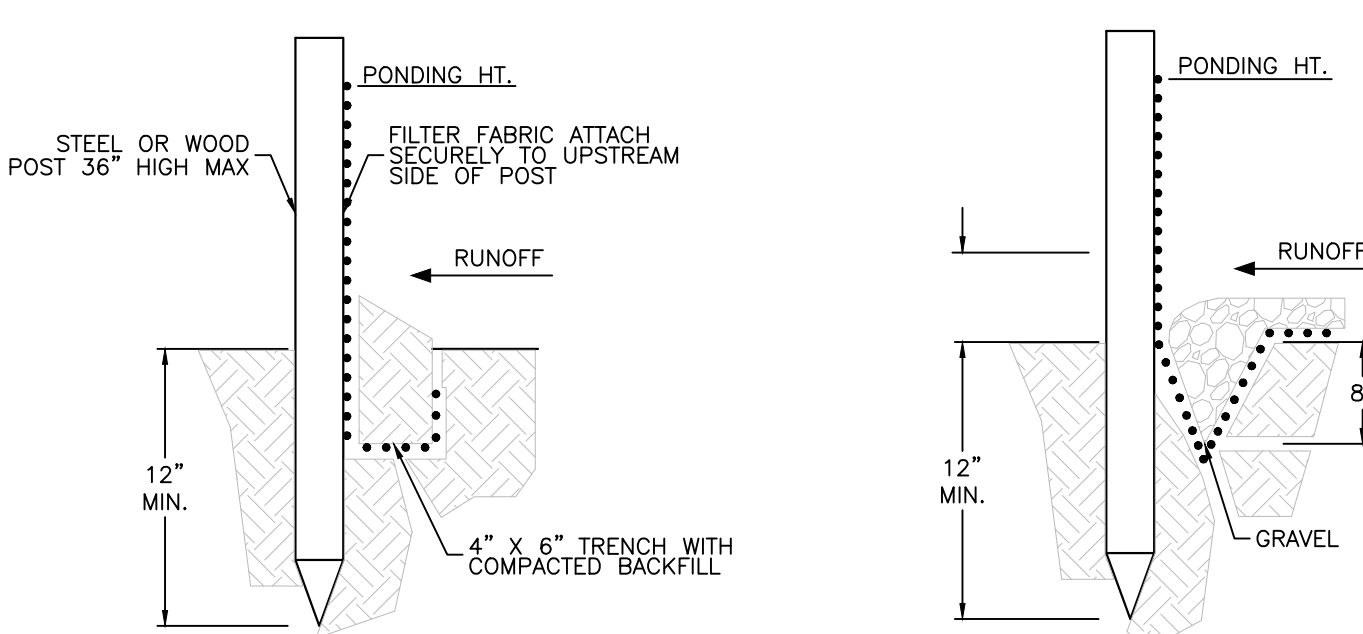


- NOTES
- SPACING FOR TYP III FENCE TO BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 3 AND DITCH INSTALLATIONS OF DRAINAGE STRUCTURES SHEET 2 OF 3 PER 2010 FOOT DESIGN STANDARDS INDEX 102.
 - DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

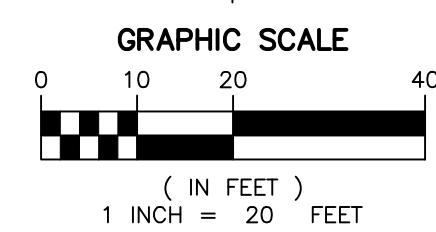
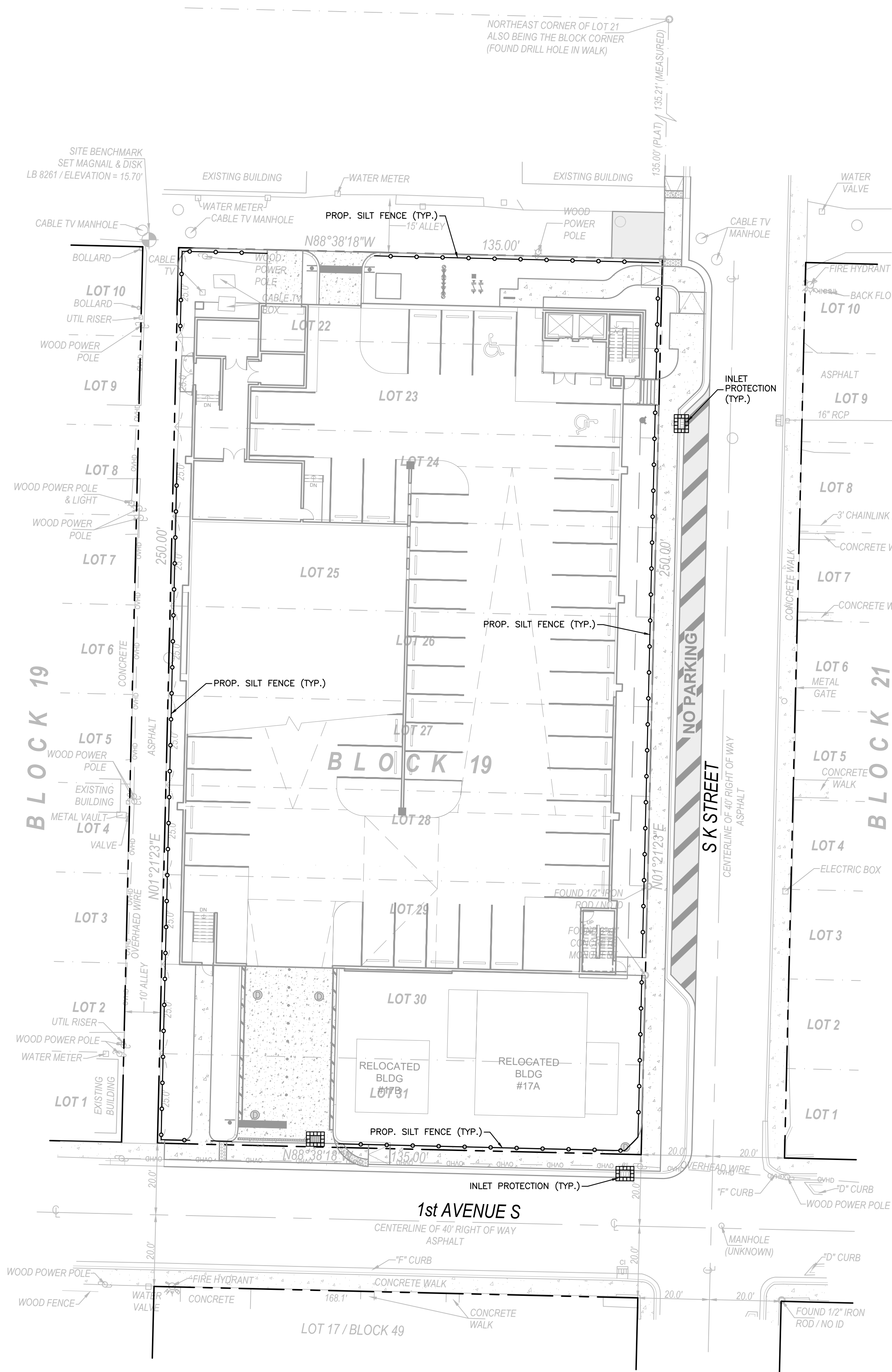
SILT FENCE DETAILS



SILT FENCE ATTACHMENT DETAIL



- NOTES:
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



EROSION CONTROL & CONSTRUCTION ENTRANCE NOTES:

- SILT FENCES ARE TO BE REMOVED ONLY AFTER EARTHWORK ACTIVITIES ARE COMPLETED AND SEEDING AND MULCHING HAS TAKEN PLACE.
- SILT FENCES ALONG WETLAND BUFFERS ARE TO REMAIN IN PLACE FOR AT LEAST 120 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE SEIZED.
- SOD ALL DISTURBED OR NEWLY CREATED LAKE BANKS AS PER LANDSCAPE AND IRRIGATION SPECIFICATIONS.
- TURBIDITY CONTROL BARRIERS SHALL BE INSTALLED WITHIN EXISTING LAKES, EXISTING CANALS, ALONG ALL DISTURBED SHORELINES AND WHERE EARTHWORK, (FILL/CUT AND/OR DREDGING) ACTIVITIES ARE TO TAKE PLACE.
- SILT FENCE ARE TO BE SETBACK AS FOLLOWS:
-5' FROM FACES OF WALLS/FOOTINGS
-5' FROM PROPERTY LINES
-5' FROM WETLAND BUFFERS (EXCEPT WHERE A PROPOSED BUFFER OR WETLAND ENCROACHMENT IS SPECIFIED)
-5' BEYOND LIMITS OF EARTHWORK (FILL/CUT) OR GRADING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY AND WATER MANAGEMENT DISTRICT SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONAL CHANGES.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE. USE AND MAINTAIN SILT FENCE JUST INSIDE OF PROPERTY LINE.
- CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON OR ADJACENT TO SITE.
- ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
- ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF LOCAL SPECIFICATIONS.
- THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.
- CONTRACTOR IS REQUIRED BY NPDES TO KEEP A LOG ON SITE FOR THE SOIL EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE PLAN. THE LOG SHALL CONTAIN DATES FOR INSTALLATION OF CONTROL MEASURES, MAJOR SITE CONSTRUCTION ACTIVITIES, INSPECTION ON AT LEAST A WEEKLY BASIS AND INSPECTION AFTER ANY RAINFALL EVENT THAT IS 1/2" OR GREATER.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- ALL EROSION CONTROL MATERIALS, CONSTRUCTION & MAINTENANCE TO BE PER APPLICABLE SECTIONS OF FDOT STANDARD SPECIFICATION #104.
- USE SANDBAGS, SYNTHETIC BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN REQUIRED.
- COURSE AGGREGATE & FILTER FABRIC TO PER SECTIONS OF FDOT STANDARD SPECIFICATION #901 & #985 RESPECTIVELY.
- CONTRACTOR TO FOLLOW SILT FENCE INSTALLATION PHASING PER SWPPP.

SURVEY DATUM NOTE:

ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) OBTAINED FROM THE SURVEY PERFORMED BY PRINCIPAL MERIDIAN SURVEYING, INC. (PROJECT #25-0179), LAST REVISION DATED 05-21-25, RECEIVED 05-28-25.

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DRAWING HISTORY

NO.	DATE	DESCRIPTION
A	01/09/2026	PLANNING & ZONING SUBMITTAL
B	04/06/2026	P&Z COMMENTS

PROJECT NAME
LAKE WORTH BEACH PARKING STRUCTURE

PROJECT LOCATION
25 SOUTH K ST. LAKE WORTH BEACH, FL 33460

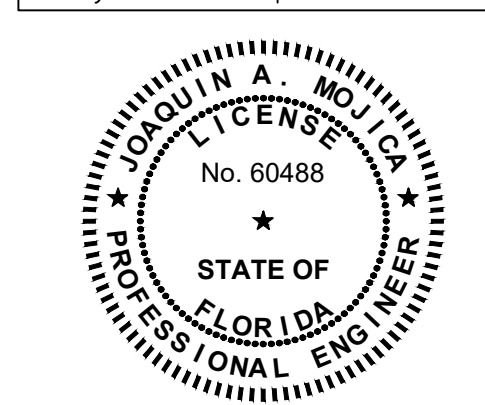
PROJECT NUMBER
1008542

SHEET TITLE
STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER

C6.00

This item has been digitally signed and sealed by Joaquin A. Mojica, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



ML PROJECT No. 25-00093



APPROVED: JOAQUIN A. MOJICA, P.E.
FLA REGISTRATION NO. 60488, DATE: 4/8/2026

