CITY OF TAMPA, FLORIDA

NOTICE TO BIDDERS, INSTRUCTIONS TO BIDDERS PROPOSAL, BID BOND, FORM OF NOTICE OF AWARD, AGREEMENT, PERFORMANCE BOND AND SPECIFICATIONS

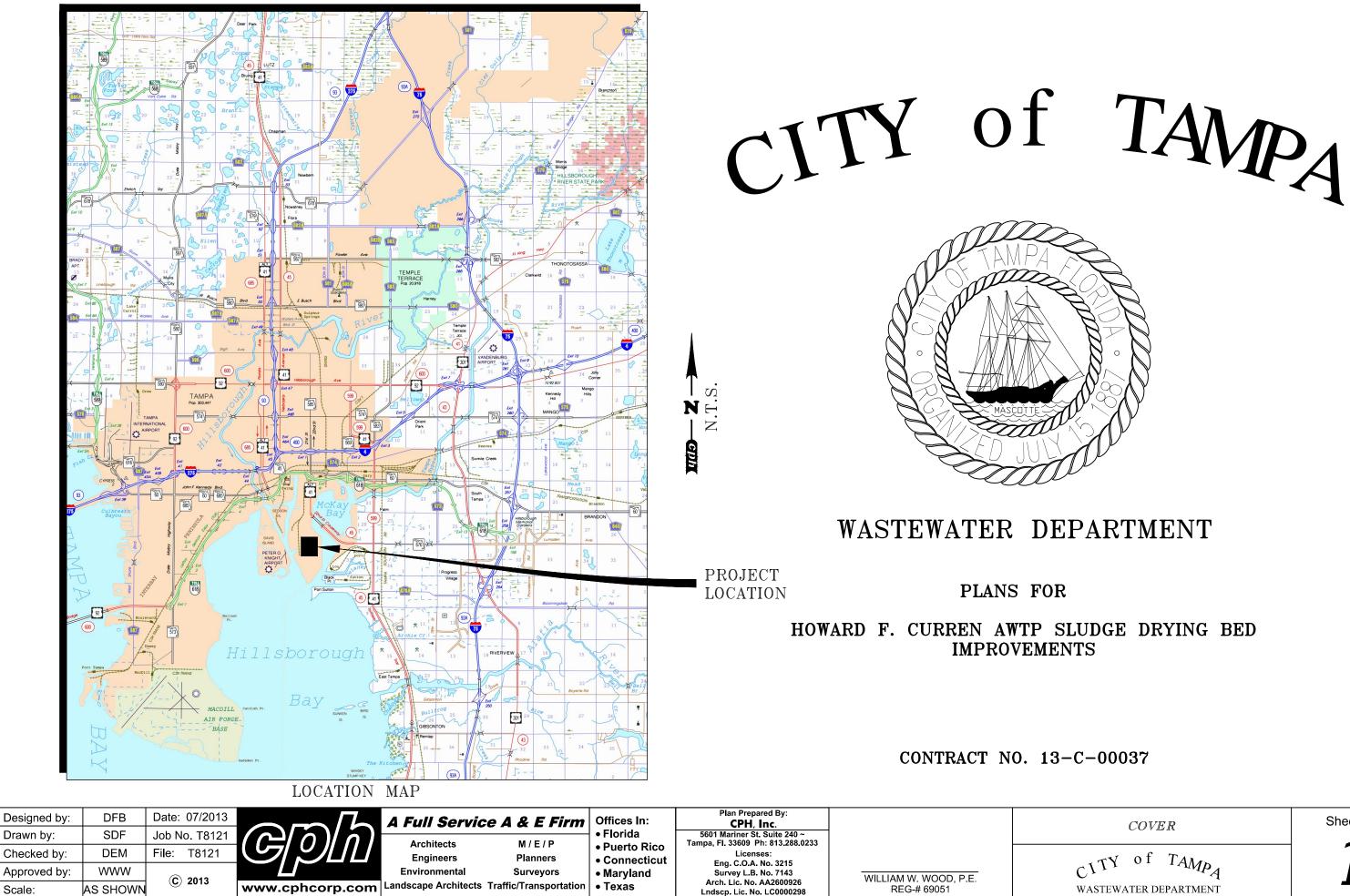
FOR

Contract 13-C-00037

HOWARD F. CURREN AWTP SLUDGE DRYING BED IMPROVEMENTS - SHELTERED MARKET

City of Tampa CONTRACT ADMINISTRATION DEPARTMENT TAMPA MUNICIPAL OFFICE BUILDING 306 E. JACKSON STREET - 4TH FLOOR NORTH TAMPA, FLORIDA 33602

JULY 2013





COVER

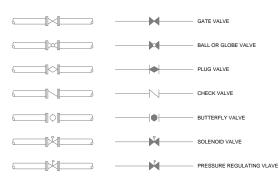
CITY of TAMPA WASTEWATER DEPARTMENT Sheet No.

PIPING SYMBOLS

EXISTING PIPE (EXPOSED) EXISTING PIPE (HIDDEN) PROPOSED PIPE (EXPOSED) 2 PROPOSED PIPE (HIDDEN) MECHANICAL JOINT _____ FLANGED JOINT FLEXIBLE COUPLING W/ THRUST TIES 2 FLANGED COUPLING ADAPTER = - FLEXIBLE COUPLING • ELBOW UP (FLANGED) 2 2 0 ELBOW DOWN (FLANGED) _____ CONCENTRIC REDUCER (FLANGED) ECCENTRIC REDUCER (FLANGED) _____ TEE DOWN (FLANGED) TEE UP (FLANGED) UNION BLIND FLANGE CAP OR PLUG (MECHANICAL) PRESSURE GAUGE LOCATIONS -(1----PUSH ON JOINT _____ BALL JOINT STANDARD ABBREVIATIONS ALUMINUM MAXIMUM ALUMINUM ASPHALT BUILDING BURED TELEPHONE BENCH MARK BALL VALVE BUTTERFLY VALVE CAST IRON PIPE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETE MASONRY UNI CONSTRUCTION CONSTRUCTION CHECK VALVE DUCTLE IRON PIPE DIAMETER DEPT, OF TRANSPORTATION DRIVE or DRIVEWAY EQUIPMENT EQUIPMENT EQUIPMENT EFFLUENT EXPANSION ELEVATION EVISTING



VALVE SYMBOLS



HOOKER'

POINT

E.O.P.

H.P.

GENERAL LEGEND

1

2 GRAVEL

CONCRETE

SILT FENCE

STORM PIPE W/ MES

FLOW ARROW

ELEVATION

HIGH POINT

- RAILROAD TRACKS

EDGE OF PAVEMENT

- SWALE

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2

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MCKAY BAY

36

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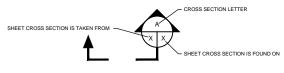
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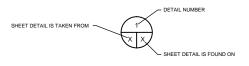
HILLSBOROUGH

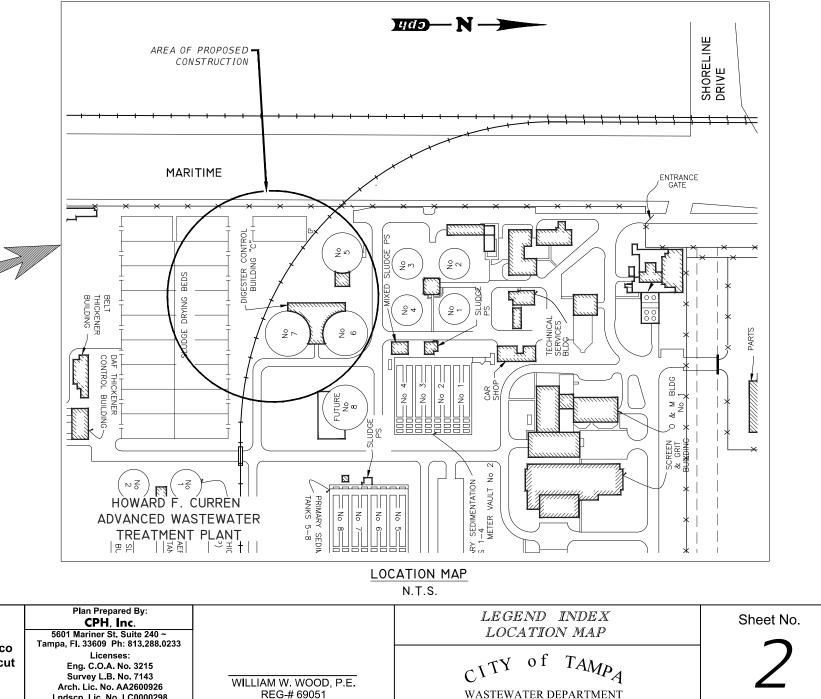
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DETAIL SYMBOLS





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e, Sea	Drawn by:	SDF	Job No. T8121	\square	Architects	M/E/P	• Florida	5601 Mariner St. Suite 240 ~ Tampa, Fl. 33609 Ph: 813,288,0233		
Febre	Checked by:	DEM	File: T8121		Engineers	Planners	Puerto Rico Connecticut	Licenses:		
	Approved by:	WWW	0 0040		Environmental	Surveyors	Maryland	Eng. C.O.A. No. 3215 Survey L.B. No. 7143	WILLIAM W. WOOD, P.E.	
	Scale:	AS SHOWN	© 2013	www.cphcorp.com	Landscape Architects	Traffic/Transportation	• Texas	Arch. Lic. No. AA2600926 Lndscp. Lic. No. LC0000298	REG-# 69051	

INDEX OF SHEETS						
SHEET NO.	DESCRIPTION					
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5	SITE PLAN					
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GENERAL PROJECT DATA

FOR IDENTIFICATION OF CONTRACTUAL AGREEMENTS, THE ENGINEERING PLANS SHALL BE DATED AS JULY 2013. ANY REVISIONS THEREAFTER WILL BE NOTED AND DATED ON THE AFFECTED DRAWING(S).

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF REMOVING AND REPLACING THE EXISTING WALLS OF THE SLUDGE DRYING BED AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY REMOVING THE EXISTING WALL WITHOUT DAMAGING THE UNDERGROUND PIPING AND RAILROAD. THE CONTRACTOR SHALL TAKE CAUTION WHEN REMOVING EXISTING SLUDGE DRYING BED WALLS TO MINIMIZE DISTURBANCE TO THE BED MATERIAL. ALL DISTURBED BED MATERIAL SHALL BE REPLACED WITH 57 STONE. CONTRACTOR SHALL PROVIDE A PAVED UNLOADING AREA AS INDICATED IN THE PLANS. WASHDOWN WATER SHALL BE PROVIDED THROUGH A NEW 3-INCH EFFLUENT LINE AS SHOWN. THE NEW 3-INCH EFFLUENT LINE SHALL BE RESTRAINED USING APPROVED MATERIALS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING AND LOCATING PROPOSED POINT OF CONNECTION.

LAYOUT AND CONTROL

SURVEY USED FOR THIS PROJECT WAS PROVIDED BY THE CITY OF TAMPA. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO LOCATE BENCHMARKS USED. THE SURVEY DATUM IS NGVD 1929.

EXISTING UTILITY LOCATION

THE LOCATIONS OF ALL EXISTING UNDERGROUND PIPE LINES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE CONTRACTOR

THE QUANTITIES INCLUDING PIPE LENGTHS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT TAKE OFF AND SHALL BASE THE BID ON THAT TAKE OFF

AS-BUILTS

AS-BUILTS SHALL BE PROVIDED BY THE CONTRACTOR TO THE CITY OF TAMPA'S PROJECT REPRESENTATIVE TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY FLORIDA LICENSED SURVEYOR, SIGNED, SEALED, AND DATED BY THE RESPONSIBLE PARTY. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL AS-BUILT REQUIREMENTS.

NOTICE OF APPLICABILITY

WHEREVER STATE, COUNTY, CITY, OR LOCAL STANDARD SPECIFICATIONS DIFFER FROM THOSE CONTAINED HEREIN: THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY FOR CLARIFICATION. TYPICALLY THE MORE STRINGENT SHALL GOVERN.

SURFACE DRAINAGE

THE CONTRACTOR SHALL BE EXPECTED, AT THE END OF EACH DAY, TO HAVE THE SITE GRADED IN SUCH A WAY AS TO NOT CAUSE ANY ADVERSE IMPACT FROM RUNOFF OR SILTATION TO ANY ADJACENT PROPERTIES. SILTATION BARRIERS SHALL BE MAINTAINED AND REPAIRED AT THE END OF EACH WORKING DAY.

THE CONTRACTOR SHALL BE EXPECTED TO GRADE THE DISTURBED AREA TO PROVIDE POSITIVE DRAINAGE IN ALL AREAS THROUGHOUT THE SITE. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. THE CONTRACTOR SHALL NOTIFY THE CITY AND ENGINEER PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.

FILL MATERIAL

SELECT FILL MATERIAL SHALL BE USED FOR PIPE BEDDING, MANHOLE BEDDING, TRENCH AND STRUCTURAL BACKFILL. SELECT FILL MATERIAL SHALL BE SAND OR CRUSHED STONE. CRUSHED STONE USED FOR PIPE BEDDING, MANHOLE BASE BEDDING, OR AS SELECT FILL MATERIAL FOR TRENCH OR STRUCTURE BACKFILL SHALL CONSIST OF CLEAN, DURABLE ROCK, ANGULAR IN SHAPE, WHICH CAN BE READILY AND THOROUGHLY COMPACTED. CRUSHED STONE SHALL BE REASONABLY WELL GRADED AND SHALL BE NO GREATER THAN A NO. 57 STONE. SAND USED FOR PIPE BEDDING OR AS SELECT FILL MATERIAL FOR TRENCH OR STRUCTURAL BACKFILL SHALL CONSIST OF JOB EXCAVATED

SAND OR IMPORTED SAND WHICH CAN BE READILY AND THOROUGHLY COMPACTED. SAND SHALL NOT BE USED FOR BEDDING FOR MANHOLES OR OTHER STRUCTURES. SAND SHALL BE REASONABLY WELL GRADED AND SHALL FALL WITHIN THE FOLLOWING GRADATION LIMITS: PASSING NO. 4 SIEVE - 95 PERCENT (MINIMUM) AND PASSING NO. 200 SIEVE -10 PERCENT (MAXIMUM).

COMPACTION

FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS SPECIFIED IN ASTM D1557. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN ASTM D1557. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL.

TRAFFIC CONTROL AND MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED VEHICLE ACCESS FOR PLANT OPERATIONS AND PLANT SUPPLIERS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY AND SHALL SCHEDULE ALL WORK TO FACILITATE CONTINUOUS UNINTERRUPTED PLANT OPERATION

STRIPING

STRIPING PAVEMENT MARKINGS SHALL BE PAINTED. PAINT SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION SECTION 971, NON-REFLECTIVE WHITE TRAFFIC PAINT

PIPE EMBEDMENT

ALL PIPE MUST BE BEDDED TRUE TO LINE AND GRADE WITH UNIFORM AND CONTINUOUS LONGITUDINAL SUPPORT FROM A FIRM BASE. BLOCKING MAY NOT BE USED TO BRING THE PIPE TO GRADE. PIPE BED SHALL BE UNDISTURBED EARTH AND IN THE EVENT OF OVER-EXCAVATION, THE CONTRACTOR SHALL REPLACE MATERIALS WITH MATERIALS SPECIFIED BY THE ENGINEER AND COMPACTED TO A DENSITY EQUAL TO THE NATIVE SOIL.

TRENCH OR EXCAVATION BOTTOM STABILIZATION MATERIAL

A. SAND

SAND SHALL BE WELL GRADED, ORGANIC FREE, DURABLE, GRANULAR MATERIAL AND SHALL PASS A NO. 4 SIEVE. NOT MORE THAN 15 PERCENT SHALL PASS A NO. 200 SIEVE

B. PIT RUN GRAVEL

PIT RUN GRAVEL SHALL BE ORGANIC FREE AND SHALL PASS A 3/4-INCH SIEVE.

C. GRANULAR MATERIAL

GRANULAR MATERIAL SHALL BE WELL GRADED, ORGANIC AND SOIL FREE, DURABLE AGGREGATE AND SHALL PASS A 3/4 INCH SIEVE. NOT MORE THAN 15 PERCENT SHALL PASS A NO. 200 SIEVE.

TRENCH SAFETY

THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAW OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.

CLEARING AND GRUBBING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING FOR SITE CONSTRUCTION INCLUDING CLEARING FOR PAVING, UTILITIES, AND DRAINAGE FACILITIES. SEE PLANS FOR LIMITS OF CLEARING AND GRUBBING. ALL AREAS TO BE CLEARED SHALL BE FIELD STAKED AND REVIEWED BY THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION.

EROSION AND SEDIMENT CONTROLS

AN EROSION CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE CITY AND ENGINEER FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT AS ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION PERIOD.

- 1. STOCKPILING MATERIAL BODY OR STORM WATER COLLECTION FACILITY
- 2. SILT FENCE MAINTAINED DURING CONSTRUCTION.
- 3. INLET PROTECTION
- 4. MAINTENANCE

- INDICATED IN THE DRAWINGS.
- THE CITY AND THE ENGINEER.

OWNER/OPERATOR

THE ENTITY THAT WILL OWN, OPERATE AND MAINTAIN THE SYSTEM SHOWN ON THESE PLANS IS THE CITY OF TAMPA. THE CONTRACTOR SHALL BE EXPECTED TO MEET ALL THE REQUIREMENTS OF THE ENTITY.

MATERIALS

WILLIAM W. WOOD, P.E.

REG-# 69051

MATERIAL SHALL BE AS NOTED IN SPECIFICATIONS.

	Designed by:	DFB		
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	Checked by:	DEM		
	Approved by:	WWW		
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Plan Prepared By CPH. Inc. 5601 Mariner St. Suite 240 Tampa, FI. 33609 Ph: 813.288.0233 Licenses: Eng. C.O.A. No. 3215 Survey L.B. No. 7143 Arch. Lic. No. AA2600926 Lndscp. Lic. No. LC0000298

NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER

SILT FENCE SHALL BE INSTALLED AROUND THE PROJECT PERIMETER AND

THE CATCH BASIN ADJACENT TO THE RAILROAD TRACK SHALL BE CLEANED OF ALL DEBRIS FOLLOWING FINAL COMPACTION OF PROJECT AREA.

ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.

# UTILITY GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES DURING CONSTRUCTION.

2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE

3. TYPICAL DETAILS AND PROPOSED CONSTRUCTION AS SHOWN ILLUSTRATE THE ENGINEERS INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE PROPOSED CONSTRUCTION TO SUIT FIELD CONDITIONS, PROVIDED IT COMPLIES WITH THE PROJECT SPECIFICATIONS AND APPROVAL IS RECEIVED FROM

4. FOR EACH RESPECTIVE PIPELINE CONSTRUCTION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH, AND ALIGNMENT OF ALL EXISTING PIPES, TO BE CROSSED OR CONNECTED TO. IF THE CONTRACTOR DEEMS NECESSARY (A.) A CHANGE IN ALIGNMENT OR DEPTH. OR THE NEED FOR ADDITIONAL FITTINGS. BENDS OR COUPLINGS, WHICH REPRESENT A DEPARTURE FROM THE CONTRACT DRAWINGS, OR (B.) A NEED FOR RELOCATION OF EXISTING UTILITIES, THEN DETAILS OF SUCH DEPARTURES, RELOCATIONS, OR ADDITIONAL REASONS THEREFORE SHALL BE SUBMITTED WITH SHOP DRAWINGS. APPROVED DEPARTURES FOR THE CONTRACTORS CONVENIENCE SHALL BE MADE AT NO ADDITIONAL COST TO THE CITY.

GENERAL NOTES

Sheet No.

TAMP CITY 0 Î WASTEWATER DEPARTMENT

## SEQUENCE OF CONSTRUCTION

CONSTRUCTION OPERATIONS MUST ALLOW FOR THE CONTINUOUS OPERATION OF THE FACILITY. CONTRACTOR SHALL PREPARE A PROPOSED SEQUENCE OF CONSTRUCTION ACTIVITIES FOR REVIEW AND APPROVAL FOR REVIEW AND APPROVAL BY THE OWNER/ENGINEER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES ON SITE.

#### EFFLUENT WATER INFRASTRUCTURE SYSTEMS

ALL DUCTILE IRON PIPE SHALL MEET THE REQUIREMENTS OF AWWA C151. PIPE JOINTS AND FITTINGS SHALL BE MECHANICAL JOINT AND MEET THE APPLICABLE REQUIREMENTS OF AWWA C111 AND HAVE A PRESSURE RATING OF 150 PSI. JOINTS SHALL BE RESTRAINED USING EBBA IRON MEGA-LUGS OR APPROVED EQUAL. DUCTILE IRON PIPE AND DUCTILE IRON FITTINGS SHALL HAVE A MINIMUM THICKNESS OF CLASS 52. PIPE WHICH IS TO BE BURIED SHALL HAVE THE STANDARD OUTSIDE COATING SPECIFIED IN AWWA C151-8.1. ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE A CEMENT-MORTAR LINING MEETING THE REQUIREMENTS OF AWWA C151-8.2. THE WEIGHT AND CLASS DESIGNATION SHALL BE PAINTED CONSPICUOUSLY IN WHITE ON THE OUTSIDE OF EACH PIPE, FITTING, AND SPECIAL CASTING AFTER THE SHOP COAT HAS HARDENED. ALL PIPE AND FITTINGS SHALL HAVE AN EXTERIOR ASPHALTIC COATING CONFORMING TO THE FOLLOWING REQUIREMENTS:

VISCOSITY, KU AT 25 DEGREES C56-60FLASHPOINT, DEGREES F (TCC)40 DEGREES F MINDRY SET TO TOUCH, MINUTES6DRY HARD, MINUTES22

#### PLUG VALVES

PLUG VALVES SHALL BE DEZURIK PEF (100%) OR APPROVED EQUAL.

#### VALVE BOXES

VALVE BOXES ON BURIED EFFLUENT WATER MAINS SHALL BE ADJUSTABLE, CAST IRON CONSTRUCTION; WITH A MINIMUM INTERIOR DIAMETER OF 5" WITH COVERS CAST WITH THE INSCRIPTION IN LEGIBLE LETTERING ON THE TOP: EFFLUENT WATER. BOXES SHALL BE SUITABLE FOR THE APPLICABLE SURFACE LOADING AND VALVE SIZE, AND SHALL BE MANUFACTURED BY MUELLER COMPANY, MODEL 10364, OR APPROVED EQUAL.

#### PIPE INSTALLATION

PIPE INSTALLATION OF PVC EFFLUENT WATER MAIN SHALL BE IN CONFORMANCE WITH ASTM D2774 (LATEST EDITION). INSTALLATION OF DUCTILE IRON PIPE EFFLUENT WATER MAIN SHALL BE IN CONFORMANCE WITH AWWA C600.87 (LATEST EDITION).

COMPACTED BACKFILL SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 UNDER ALL PAVEMENTS WITH 12" MAXIMUM LIFT THICKNESS. OTHER COMPACTION OF BACKFILL SHALL BE TO 95% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE TRENCHING DETAILS. MINIMUM COVER OVER ALL PIPES SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE.

EFFLUENT WATER MAINS ARE TO BE INSTALLED SO AS TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 12" OR A MINIMUM HORIZONTAL CLEARANCE OF 5 FEET FROM ALL SANITARY HAZARDS INCLUDING STORM DRAINAGE PIPES AND STRUCTURES, AS WELL AS SEPTIC TANK DRAINFIELDS AND SEWER PIPING. IF CLEARANCE CANNOT BE ACHIEVED, THE PVC WATER MAIN SHALL BE ENCASED IN CONCRETE OR DUCTILE IRON PIPE USED IN LIEU OF PVC PIPE FOR 10' EACH SIDE OF WATER/STORM SEWER CROSSING. IF WATER/SANITARY SEWER CROSSING THEN SANITARY SEWER PIPE SHALL BE ENCASED OR D.I.P. USED FOR 10' EACH SIDE OF CROSSING.

#### TESTING

THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES, AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC AND LEAKAGE TESTING. CONTRACTOR SHALL CONTACT THE ENGINEER AND OWNER/OPERATOR IN WRITTEN FORM, FORTY-EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION. TESTING SHALL ONLY BE SCHEDULED ON A TUESDAY, WEDNESDAY OR THURSDAY.

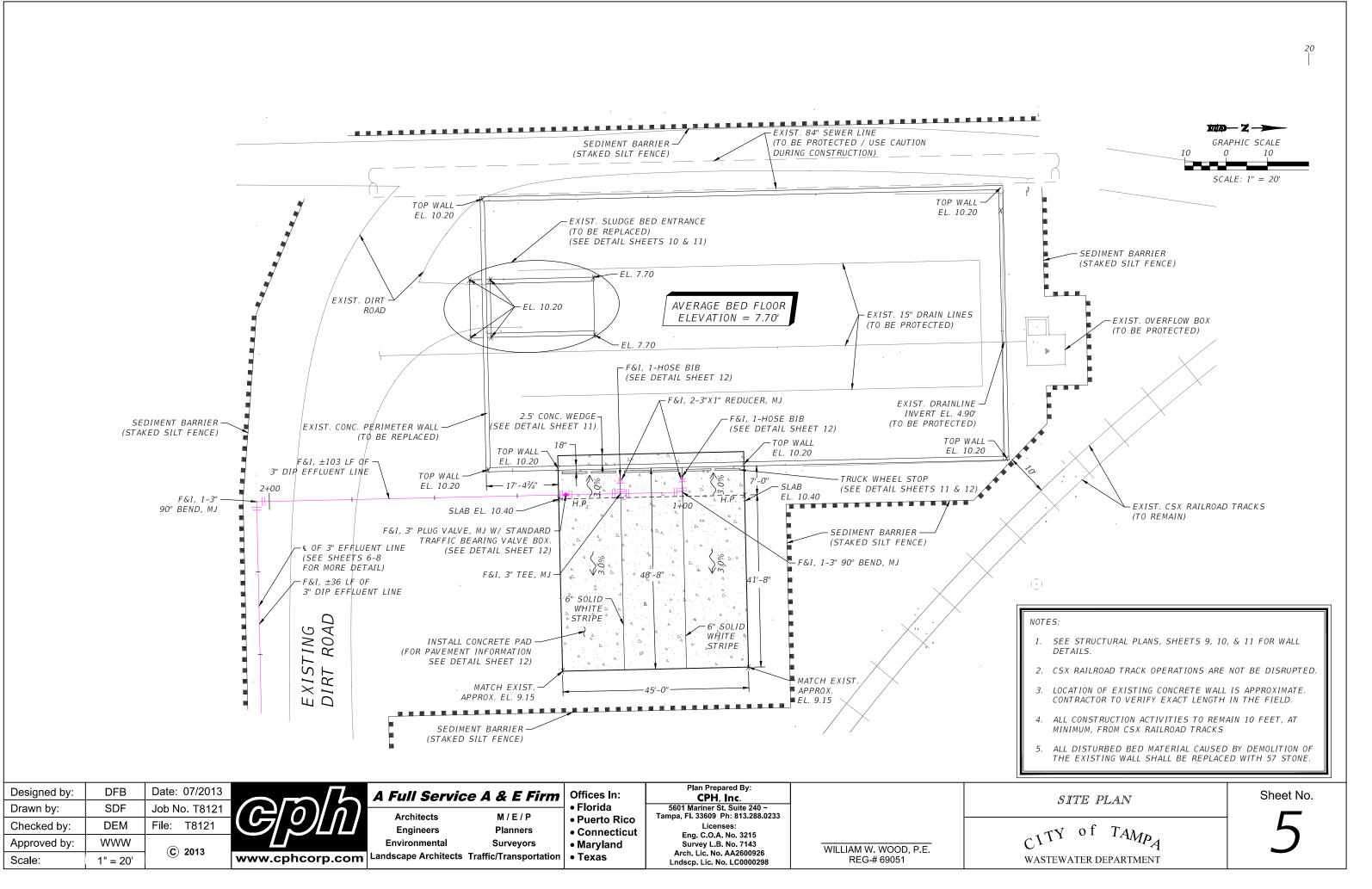
THE EFFLUENT WATER SYSTEM SHALL BE TESTED FOR LEAKAGE AT 150 PSI FOR TWO (2) HOURS, WITH ALLOWABLE LEAKAGE IN ACCORDANCE WITH ABOVE STANDARDS.

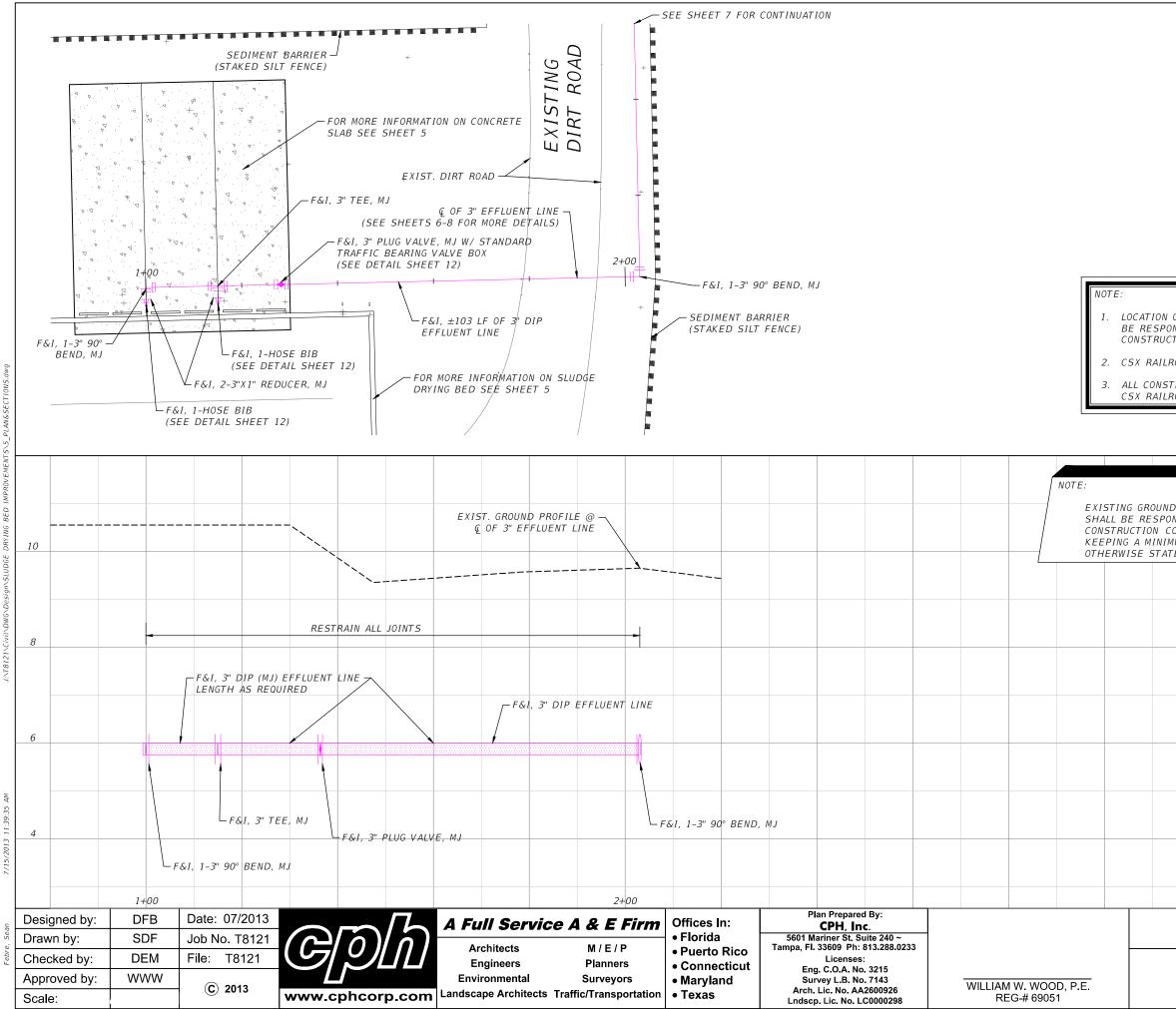


GENERAL NOTES

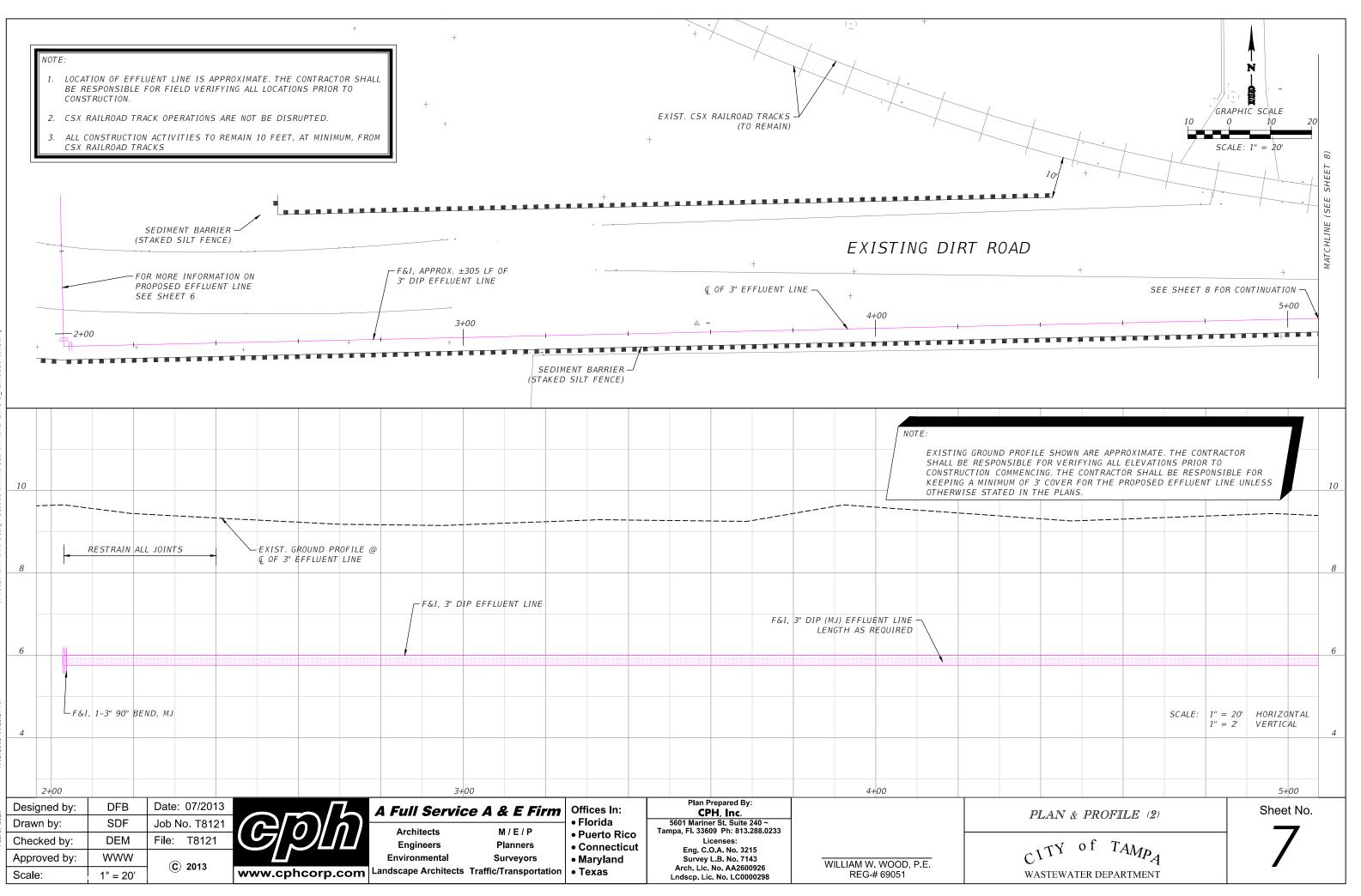
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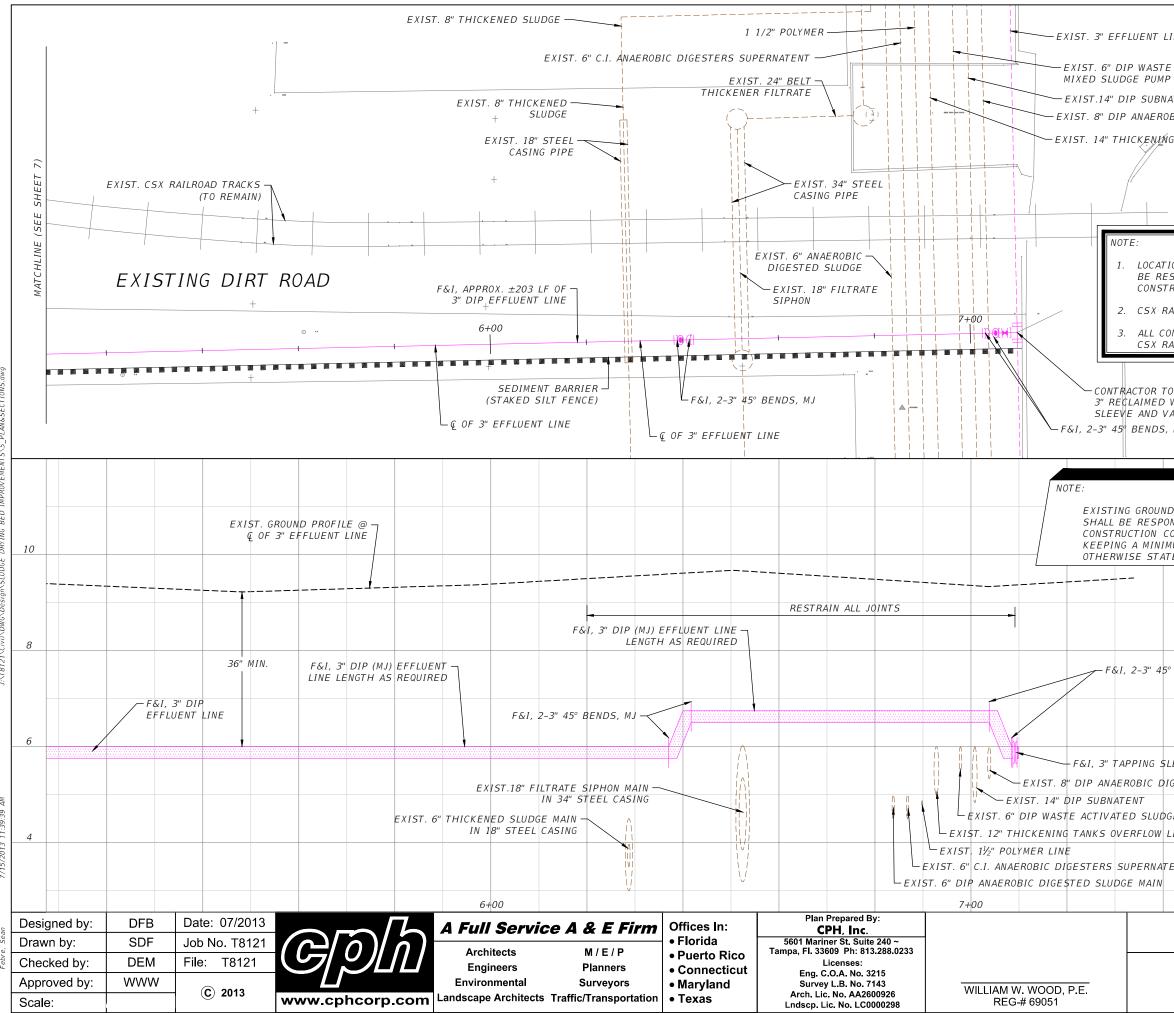


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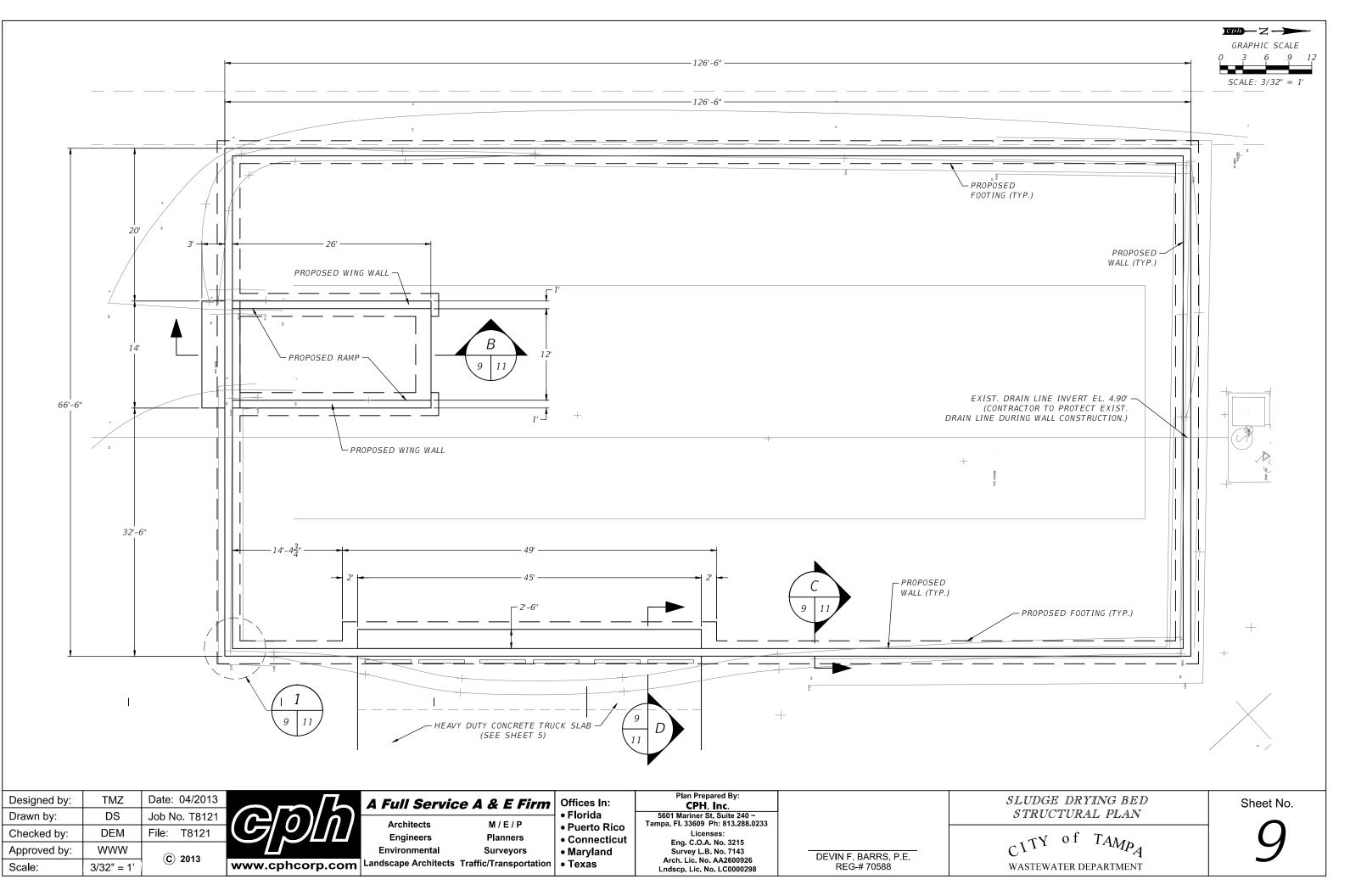
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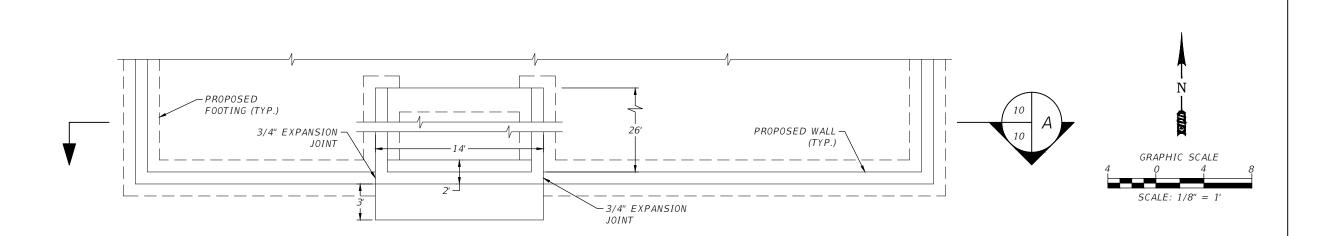


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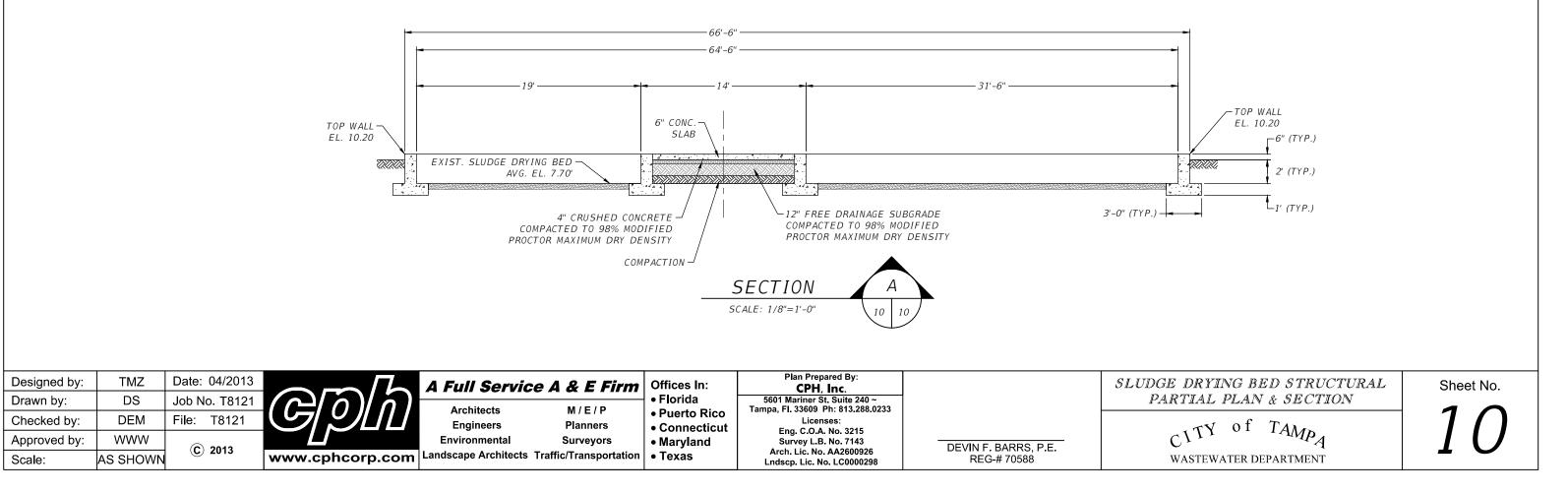
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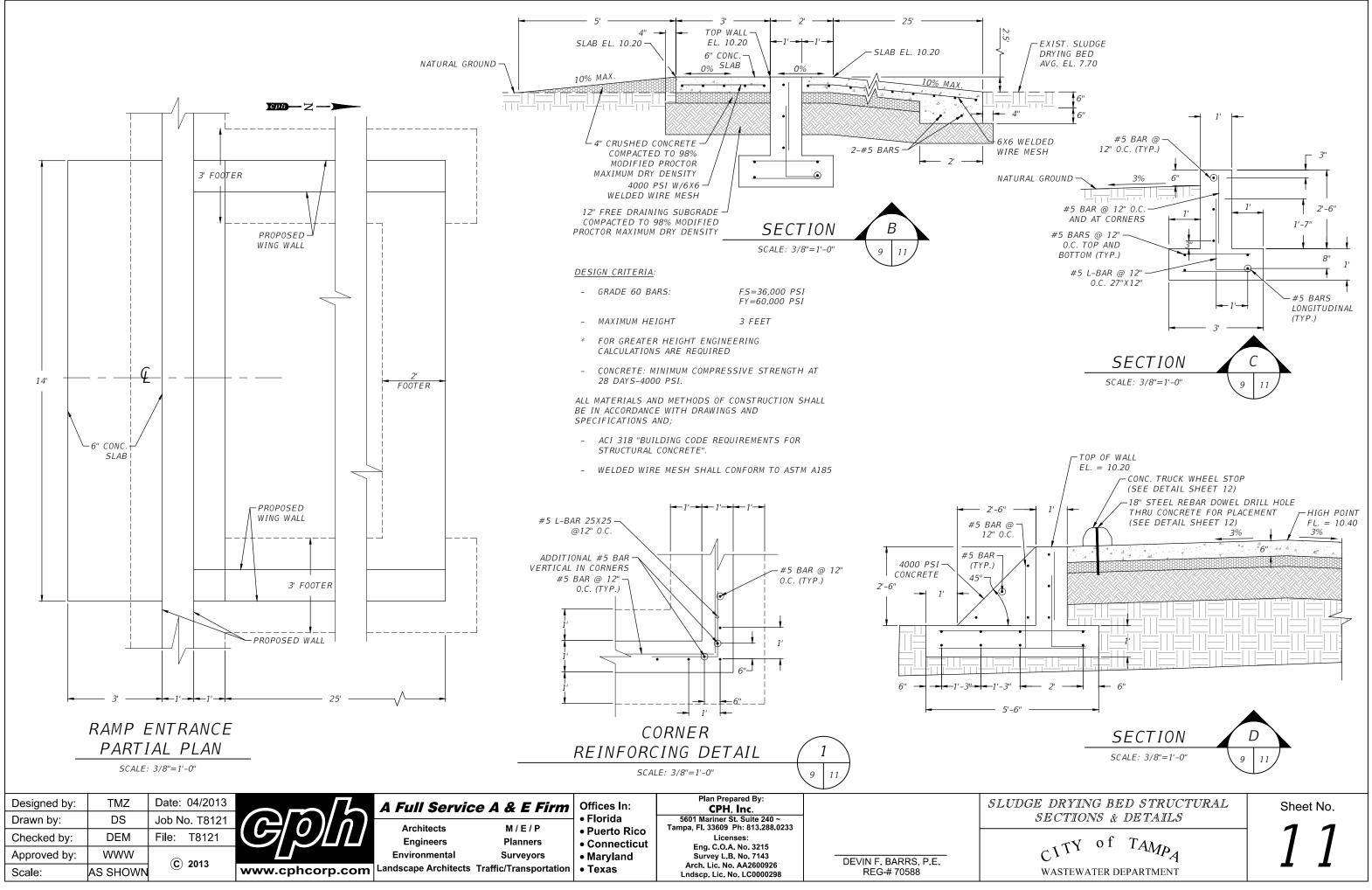
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PARTIAL – PLAN





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