HARBOR FREIGHT

CES

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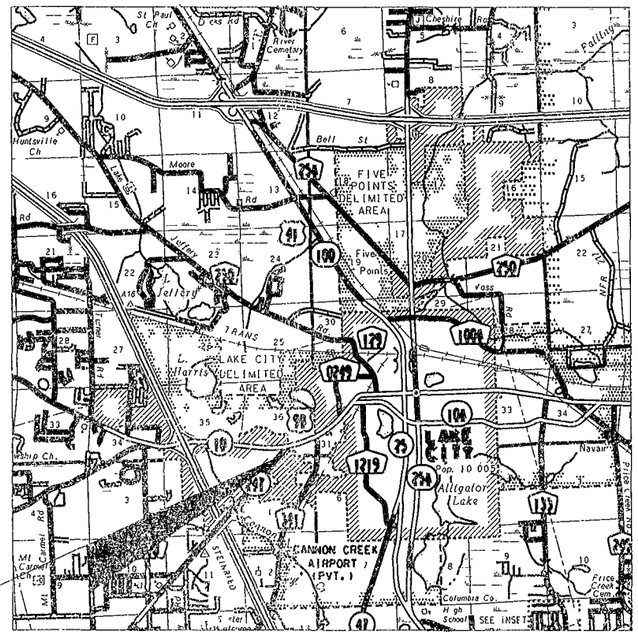

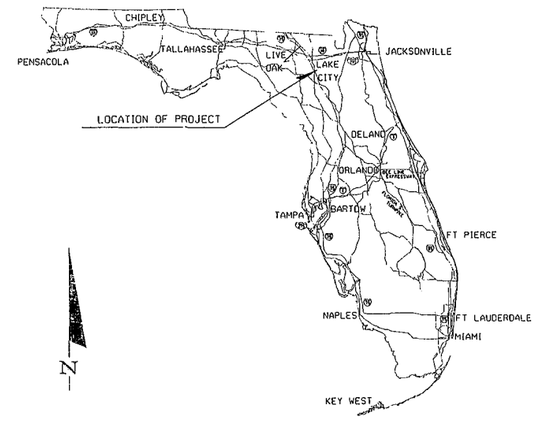

INDEX OF SHEETS

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

LOCATION MAP

SECTION 36, TOWNSHIP 3 SOUTH, RANGE 16 EAST
LAKE CITY, FLORIDA

PARCEL # 36-3S-16-02626-002

CES PROJECT ID:
2014-013

PERMITTING PLANS ONLY

BRETT ALAN CREWS
LICENSE
NO. 65592
STATE OF FLORIDA
9-25-2015

BRETT A. CREWS, P.E. 65592

GENERAL NOTES

1 THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY & PRIOR TO PROCEEDING WITH THE WORK

2 THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE AT ALL TIMES IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC

3 ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER

4 THE SURFACE WATER MANAGEMENT SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH SRWMD RULES AND REGULATIONS (CH 40B-4 F A C)

5 EXISTING DRAINAGE STRUCTURES SHALL BE MODIFIED AS SHOWN IN THE PLANS ENGINEER SHALL BE CONTACTED IF CONTRACTOR FINDS FIELD CONDITIONS DO NOT MATCH THE PLANS

6 THE CONTRACTOR SHALL WASTE ALL EXCESS AS DIRECTED BY THE ENGINEER AND/OR OWNER

7 ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS

8 SITE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT LIMITS

9 ALL PROPOSED CONSTRUCTION SHALL CONFORM TO CURRENT FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

10 ALL STORM PIPES SHALL HAVE A MINIMUM COVER OF 9" UNLESS OTHERWISE SHOWN IN THESE PLANS LIMEROCK BACKFILL SHALL BE USED IF PIPE UNDER PAVEMENT HAS LESS THAN 12" COVER.

11 ALL SWALES, DEPRESSION AREAS AND RETENTION PONDS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE SHOULD A SINKHOLE OCCUR, THE AREA SHOULD BE REPAIRED AS SOON AS POSSIBLE IF A SINKHOLE FORMS WITHIN THE STORM WATER SYSTEM, THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH A LOW PERMEABILITY MATERIAL A 2-FOOT CAP THAT EXTENDS 2 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS THE CLAYEY SOIL SHOULD HAVE AT LEAST 20% PASSING THE NUMBER 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2%-4% ABOVE OPTIMUM THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT PONDING AND RE-VEGETATED

12 ALL NEW TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CURRENT FDOT DESIGN STANDARDS

13 MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT DESIGN STANDARDS THE CONTRACTOR SHALL MEET ON SITE WITH FDOT FOR APPROVAL OF A MAINTENANCE OF TRAFFIC PLAN PRIOR TO BEGINNING WORK WITHIN FDOT RIGHT OF WAY

14 CONTRACTOR SHALL CONTACT COLUMBIA COUNTY BUILDING AND ZONING DEPARTMENT AND C E S TO PERFORM THE FOLLOWING SITE INSPECTIONS
- A) EROSION AND SEDIMENT CONTROL - ONCE IN PLACE PRIOR TO BEGINNING CONSTRUCTION
- B) CLEARING AND GRUBBING - VISUAL INSPECTION
- B) SITE COMPLIANCE - ONCE BUILDING FOUNDATION IS POURED AND IMPROVEMENTS ARE STAKED OUT
- C) FINAL SITE COMPLIANCE - ONCE ALL IMPROVEMENTS ARE FINALIZED

15 CONTRACTOR SHALL CONTACT SRWMD AND ENGINEER OF RECORD 48 HOURS PRIOR TO BEGINNING CONSTRUCTION

16 ANY UNSUITABLE MATERIAL (SPOTIC, CLAY, OTHER IMPERMEABLE SOILS) SHALL BE REMOVED FROM THE SURFACE WATER MANAGEMENT FACILITIES THIS UNSUITABLE MATERIAL SHALL NOT BE USED AS FILL MATERIAL IN CONSTRUCTION OF THE BERMS CONTRACTOR SHALL MEET WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION OF SURFACE WATER MANAGEMENT FACILITY

17 NO WETLANDS EXIST WITHIN THE PROJECT AREA

18 THE PROJECT IS LOCATED IN A FLOOD ZONE A ACCORDING TO FEMA FLOOD MAPS

EROSION CONTROL NOTES

1 CONTRACTORS SHALL ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN, EROSION AND SEDIMENT CONTROL REGULATIONS AS SET BY SRWMD AND OTHER GOVERNING AUTHORITIES AND USE (AS A MINIMUM) THE MEASURES DESCRIBED IN THESE PLANS

2 ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND WATER MANAGEMENT FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION

3 CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING ADDITIONAL MEASURES AS REQUIRED FOR PROPER EROSION AND SEDIMENT CONTROL THE CONTRACTOR SHOULD USE BMP'S IN THE FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL TO IMPLEMENT A PLAN THAT WILL WORK AND MEET ACTUAL FIELD CONDITIONS

4 SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED

5 ALL OPEN DRAINAGE SWALES SHALL BE GRASSED IMMEDIATELY AS REQUIRED TO CONTROL EROSION

6 SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO WITHIN ONE FOOT OF TOP OF SILT FENCE

7 DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT

8 ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY TO PREVENT EROSION SLOPES GREATER THAN 1V 4H SHALL BE STABILIZED WITH SOD STAPLE SOD SHALL BE USED ON SLOPES GREATER THAN 1V 2H ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK-GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET

9 ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN THREE (3) DAYS

10 LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS AND EXCESS DIRT REMOVED DAILY

11 THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE WATER QUALITY STANDARDS

12 QUALIFIED PERSONNEL SHALL INSPECT THE STOCKPILE AREAS, SILT FENCE, CONSTRUCTION ENTRANCE, AND ALL DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER A STORM OF 0 5 INCHES OR GREATER CORRECTIVE ACTIONS SHALL BE TAKEN IMMEDIATELY

13 CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS DURING PROPOSED CONSTRUCTION

14 SHOULD THIS SITE REQUIRE SEVERAL LOADS OF MATERIAL BE TRUCKED IN OR AWAY, THE CONTRACTOR SHALL INSTALL A "SOIL TRACKING PREVENTION DEVICE" AS FOUND IN INDEX NO 106, SHT 1 OF 1

UTILITY NOTES

1 NO OTHER UTILITY PERMIT IS REQUIRED FOR THIS PROJECT OTHER THAN APPROVAL BY CITY OF LAKE CITY

2 THE UTILITY PLAN AND PLAT SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE S) IN A METES AND BOUNDS FORMAT UPON CITY'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED, OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY, PROVIDED FACILITIES ARE INSTALLED WITHIN THE PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS AND IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE IN THE CITY OF LAKE CITY W/WW/RCW DESIGN STANDARDS

3 ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL BE IN CONFORMANCE WITH CITY OF LAKE CITY'S MOST RECENT POTABLE WATER, WASTEWATER AND RECLAIMED WATER SYSTEM DESIGN STANDARDS, AND APPROVED MATERIALS MANUAL

4 POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1 5 FOOT VERTICAL SEPARATION

5 A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM TREES, BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES LIVE OAK TREES REQUIRE AN ADDITIONAL 5 FEET OF HORIZONTAL CLEARANCE SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES, NOTE THAT WATER SERVICE LATERALS SHALL BE INSTALLED WITHIN 3" SLEEVES (SEE CITY OF LAKE CITY STANDARDS HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE)

6 2" VALVES LOCATED IN PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE CITY OF LAKE CITY APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE

7 WATER MAINS 4"IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN CITY OF LAKE CITY LIMITS) TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS

8 1" AND 2"WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3 SCH 40 PVC EXTENDING 5' PAST THE BACK OF CURB (3 FEET INSIDE CITY OF LAKE CITY LIMITS)

9 ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES

10 ALL PRESSURIZED MAIN FITTINGS SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS, A SUFFICIENT LENGTH OF THE PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS OF THE CITY OF LAKE CITY STANDARDS CALCULATIONS FOR REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IF THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS

11 ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN 4"DIAMETER PVC (SDR 35) AT 1 00% MIN SLOPE UNLESS OTHERWISE LABELED

12. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS ADJACENT TO PAVED AREAS SHALL BE RATED FOR TRAFFIC LOAD BEARING WASTEWATER CLEANOUT COVERS IN OTHER SIDEWALKS/WALKWAYS SHALL BE BRASS WITH A SQUARE RECESS

13 MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6"ABOVE FINISHED GRADE, AND A 10 1 SLOPE TO FINISHED GRADE

14 UNLESS OTHERWISE NOTED ON THE PLANS, THE FINISHED FLOOR ELEVATIONS OF BUILDINGS SHALL BE A MINIMUM OF 6"ABOVE THE LOWEST UPSTREAM MANHOLE TOP IF THIS IS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE (BWV) IS REQUIRED ON THE CUSTOMER SIDE OF THE CLEANOUT

15 WHEN A POTABLE OR RECLAIMED WATER MAIN, OR A WASTEWATER FORCE MAIN IS ROUTED WITHIN 10 FT OF AN ELECTRIC TRANSFORMER, A 20 FT LENGTH OF DIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END NO FITTINGS OR VALVES SHALL OCCUR WITHIN 10 FT OF THE NEAREST EDGE OF THE TRANSFORMER A MINIMUM CLEARANCE OF 3 SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER

BRETT ALAN CREWS LICENSE NO. 65592 STATE OF FLORIDA
5-15-2014
Brett A. Crews, P.E. 65592

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
		PERMITTING PLANS ONLY			

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APPROVED BY: BC

HARBOR FREIGHT

GENERAL NOTES

CES PROJECT NO 2014-013

SHEET DET1

UTILITY NOTES CONT.

16 ALL EXISTING UTILITIES SHALL BE LOCATED PRIOR TO BEGINNING WORK THIS INCLUDES VERIFYING LOCATION (HORIZONTAL AND VERTICAL) AT ANY CONNECTION POINT OF THE EXISTING UTILITY THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES EXISTING BETWEEN THE CONSTRUCTION PLANS AND ACTUAL FIELD CONDITIONS EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY AND SHALL BE VERIFIED IN THE FIELD BY NON-DESTRUCTIVE METHODS

17 CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES THIS INCLUDES, BUT IS NOT LIMITED TO, MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING

18 CONTRACTOR SHALL CONTACT THE CITY OF LAKE CITY (386 466 3359) PRIOR TO BEGINNING WORK TO COORDINATE INSPECTION OF UTILITY CONNECTIONS

19 EXISTING WATER SHOULD REMAIN IN SERVICE DURING CONSTRUCTION THE CITY OF LAKE CITY SHALL BE NOTIFIED IN THE EVENT INTERRUPTIONS TO SERVICE ARE REQUIRED

20 ALL NEW AND RELOCATED WATER MAIN PIPES, FITTINGS, APPURTENANCES AND PACKING AND JOINT MATERIALS SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS AND/OR MANUFACTURERS RECOMMENDATIONS.

21 SUFFICIENT VALVES SHALL BE PROVIDED IN NEW AND RELOCATED WATER MAINS TO MINIMIZE INCONVENIENCE AND SANITARY HAZARDS DURING REPAIRS

22 AT HIGH POINTS WHERE AIR CAN ACCUMULATE IN NEW AND RELOCATED WATER MAINS AIR RELEASE VALVES SHALL BE PROVIDED TO REMOVE AIR

23 AUTOMATIC AIR RELEASE VALVES ON NEW AND RELOCATED WATER MAINS SHALL NOT BE LOCATED WHERE FLOODING OF THE VALVE MANHOLE OR CHAMBER COULD OCCUR

24 HYDRANT DRAINS, FLUSHING DEVICES, AIR RELEASE VALVES OR CHAMBERS, MANHOLES CONTAINING VALVES, BLOW-OFFS, METERS, AIR CONDITIONING CONDENSATE WATER DRAIN LINES OR OTHER APPURTENANCES PROVIDED IN CONJUNCTION WITH NEW AND RELOCATED WATER MAINS SHALL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER

23 STONES FOUND IN TRENCHES FOR NEW AND RELOCATED WATER AND SANITARY SEWER MAINS SHALL BE REMOVED TO A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF PIPE CONTINUOS AND UNIFORM BEDDING SHALL BE PROVIDED IN THESE TRENCHES THIS BACKFILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND PIPE TO A SUFFICIENT HEIGHT ABOVE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE

24 ALL TEES, BENDS, PLUGS AND HYDRANTS IN NEW AND RELOCATED WATER MAINS SHALL BE PROVIDED WITH RESTRAINED JOINTS TO PREVENT MOVEMENT EBAA MEGALUG MECHANICAL JOINT RESTRAINTS OR APPROVED ALTERNATIVE (NOT THRUST BLOCKS) SHALL BE USED WITH MANUFACTURES RECOMMENDATIONS ALL RESTRAINED JOINTS SHALL BE LEFT OPEN UNTIL INSPECTED BY THE CITY

25 A 24" MINIMUM COVER SHALL BE PROVIDED ABOVE ANY NEW OR RELOCATED WATER OR WASTEWATER MAIN CROSSING UNDER ANY SURFACE WATER PROVIDE THE FOLLOWING FEATURES IF WIDTH OF SURFACE WATER IS GREATER THAN 15' AT THIS CROSSING
   A) FLEXIBLE WATER TIGHT JOINTS THROUGHOUT THE CROSSING
   B) EASILY ACCESSIBLE VALVES LOCATED IN A MANHOLE
   C) PERMANENT TAPS ON EACH SIDE OF VALVE WITHIN THE MANHOLE TO ALLOW FOR SAMPLING AND INSERTION OF A SMALL METER TO DETERMINE LEAKAGE

26 PROPER BACKFLOW PREVENTION SHALL BE PROVIDED IN ACCORDANCE WITH RULE 62-555 360 F A C (CROSS-CONNECTION CONTROL FOR PUBLIC WATER SYSTEMS)

27 THIS PROJECT SHALL NOT INCLUDE ANY INTERCONNECTION BETWEEN PREVIOUSLY SEPARATE PUBLIC WATER SYSTEMS HAVING SEPARATE WATER SUPPLY SOURCES

28 ANY NEW AND RELOCATED WATER LATERALS SHALL CROSS ABOVE SANITARY SEWER PIPE OR PROVIDE PROTECTION TO PREVENT CONTAMINATION AS REQUIRED BY FDEP AND OTHER APPLICABLE STANDARDS

29 CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY FOR WATER AND SANITARY SEWER EXTENSIONS.

30 CONTRACTOR SHALL PROVIDE 10 AWG TRACER WIRE ABOVE ALL NEW AND RELOCATED WATER AND SANITARY SEWER MAINS

31 LOCATOR DEVICES SHALL BE PROVIDED AT WATER AND SANITARY SEWER TAP LOCATIONS

32 WHEN CONNECTING WASTEWATER TO AN EXISTING MANHOLE CORE DRILL MANHOLE FOR INSTALLATION OF WASTEWATER PIPE INSTALL PIPE WITH KOR-N-SEAL OR EQUAL BOOT GROUT ANNULAR SPACE WITH NON-SHRINK GROUT COORDINATE WITH CITY OF LAKE CITY INSPECTOR 48 HOURS IN ADVANCE

PIPES AND FITTINGS

A GENERAL ALL PIPE AND FITTINGS FOR WATER AND WASTEWATER SERVICE SHALL BE CLEARLY MARKED WITH THE NAME OR TRADEMARK OF THE MANUFACTURER, THE BATCH NUMBER, THE LOCATION OF THE PLANT AND THE STRENGTH DESIGNATION, AS APPLICABLE

B POLYVINYL CHLORIDE (PVC)

1 POTABLE WATER AND EFFLUENT REUSE PIPE SHALL BE MANUFACTURED FROM CLEAN VIRGIN TYPE I, GRADE I RIGID UNPLASTICIZED POLYVINYL CHLORIDE RESIN CONFORMING TO ASTM DESIGNATION D1784 POTABLE WATER AND REUSE PIPE SHALL HAVE THE NATIONAL SANITATION FOUNDATION (NSF) SEAL, SHALL CONFORM TO AWWA C-900, AND SHALL HAVE A DIMENSION RATIO (DR) OF NOT MORE THAN 18 PVC PIPE FOR WASTEWATER FORCE MAINS SHALL HAVE A DR OF NOT MORE THAN 25, OR LESS IF DESIGN CONSIDERATIONS REQUIRE THE PVC PIPE SHALL HAVE INTEGRAL BELL PUSH ON TYPE JOINTS CONFORMING TO ASTM D3139 PIPE USED FOR REUSE MAINS SHALL BE PURPLE (PANTONE 522C), FOR WATER MAIN SHALL BE BLUE, AND FOR WASTEWATER SHALL BE GREEN IN COLOR

2 CONNECTIONS FOR PIPE 2 INCHES IN DIAMETER AND LARGER SHALL BE RUBBER COMPRESSION RING TYPE PIPE SHALL BE EXTRUDED WITH INTEGRAL THICKENED BELL WALLS WITHOUT INCREASE IN DR RUBBER RING GASKETS SHALL CONSIST OF SYNTHETIC COMPOUNDS MEETING THE REQUIREMENTS OF ASTM DESIGNATION D1869, AND SUITABLE FOR THE DESIGNATED SERVICE OTHER CONNECTIONS SHALL BE SOLVENT CEMENTED JOINTS.

3 GRAVITY WASTEWATER PVC PIPE AND FITTINGS SHALL BE MANUFACTURED FROM POLYVINYL CHLORIDE RESIN CONFORMING TO ASTM DESIGNATION D1784 PIPE AND FITTINGS OF THIS MATERIAL SHALL CONFORM TO ASTM DESIGNATION D3034 AND F679, "STANDARD SPECIFICATIONS FOR TYPE PSM POLYVINYL CHLORIDE SEWER PIPE AND FITTINGS " ALL PIPE AND FITTINGS SHALL HAVE A STANDARD DIMENSION RATIO (SDR) OF NOT MORE THAN 35

4 PVC PIPE FOR GRAVITY SEWERS SHALL BE SUPPLIED IN STANDARD LENGTHS NOT TO EXCEED 20 FEET, AND BE FURNISHED WITH INTEGRALLY FORMED BELL JOINTS

5 ALL PVC PIPE AND ACCESSORIES LESS THAN 2 INCHES IN DIAMETER SHALL BE SCHEDULE 80 AND BE OF RIGID NORMAL IMPACT POLYVINYL CHLORIDE THE PIPE AND ACCESSORIES SHALL CONFORM TO ASTM SPECIFICATION D1785 AND PRODUCT STANDARD PS21-70 ALL MATERIALS TO BE FURNISHED COMPLETE TO PERFORM THE WORK, INCLUDING SOLVENT CEMENT, ETC

6 CONNECTIONS CONNECTION OF PVC GRAVITY SEWER LINES TO MANHOLES SHALL BE MADE BY USING A PVC MANHOLE COUPLING ADAPTER CONNECTING PIECE MANUFACTURED FROM A 2 FOOT PIECE OF PVC PIPE WITH A WATER STOP OR KOR'N'SEAL RUBBER BOOT THE CONNECTION SHALL PROVIDE FLEXIBILITY AND A WATERTIGHT CONNECTION AT THE STRUCTURE

C SERVICE PIPE

1 WATER SERVICE PIPE ALL POTABLE WATER SERVICE LINES SHALL BE 1-INCH, 1 1/2 INCHES OR 2 INCHES POLYETHYLENE TUBING DR9 CONFORMING TO AWWA C-800 AND C-901.

2 WASTEWATER SERVICE LATERAL ALL WASTEWATER SERVICE LATERALS SHALL BE PVC AND HAVE A MINIMUM DIAMETER OF 6 INCHES AND SHALL CONFORM TO ASTM D3034, SDR 35

D PRESSURE PIPE RESTRAINTS

1 PRESSURE PIPE FITTINGS SHALL BE RESTRAINED WITH RESTRAINT GLANDS AND DEVICES AS APPROVED BY THE CITY CONCRETE THRUST BLOCKS ARE NOT ACCEPTABLE FOR PIPE RESTRAINT UNLESS PRIOR APPROVED BY THE TOWN FOR LIMITED APPLICATIONS

2 THE MINIMUM NUMBER OF RESTRAINED JOINTS REQUIRED FOR RESISTING FORCES AT FITTINGS AND CHANGES IN DIRECTION OF PIPE SHALL BE DETERMINED FROM THE LENGTH OF RESTRAINED PIPE ON EACH SIDE OF FITTINGS AND CHANGES IN DIRECTION NECESSARY TO DEVELOP ADEQUATE RESISTING FRICTION WITH THE SOIL THE REQUIRED LENGTHS OF RESTRAINED JOINT DUCTILE IRON PIPE SHALL BE DETERMINED BY THE ENGINEER

G SPECIAL ITEMS

1 EXPANSION JOINTS PIPE EXPANSION JOINTS SHALL BE SUITABLE FOR THE APPLICABLE SERVICE WITH A MINIMUM 150 PSI WORKING PRESSURE

2 FLANGED COUPLING ADAPTERS UNITS SHALL BE COMPATIBLE WITH ANSI STANDARD B16 1, 125 LB FLANGES

3 CAST IRON SLEEVES AND WALL PIPES UNITS SHALL HAVE INTEGRAL ANNULAR RING WATERSTOPS, AND ALSO CONFORM TO OTHER REQUIREMENTS FOR CAST IRON FITTINGS SPECIFIED IN THIS SECTION SLEEVES AND WALL PIPES TO HAVE LAYING LENGTH AND ENDS REQUIRED FOR PROPER INSTALLATION

4 TAPPING SADDLES UNITS SHALL BE FABRICATED OF DUCTILE IRON AND SUITABLE FOR EITHER WET OR DRY INSTALLATION THE SEALING GASKET SHALL BE THE "O-RING TYPE SUITABLE FOR THE APPLICABLE SERVICE OUTLET FLANGE SHALL BE ANSI B16 1, 125 LB STANDARD TIE STRAPS AND BOLTS SHALL BE A CORROSION RESISTANT ALLOY STEEL

PIPES AND FITTINGS CONT.

5 TAPPING SLEEVES UNITS SHALL BE OF THE FLANGE OR MECHANICAL JOINT TYPE OUTLET AND FABRICATED STAINLESS STEEL TYPE SLEEVES FOR PRESSURE CONNECTIONS 4 INCHES AND LARGER ALL PRESSURE CONNECTIONS TO ASBESTOS CEMENT PIPE AND ALL "SIZE ON SIZE" TAP SHALL UTILIZED MECHANICAL JOINT SLEEVES

   A MECHANICAL JOINT SLEEVES SLEEVES SHALL BE CAST OF GRAY-IRON OR DUCTILE IRON AND HAVE AN OUTLET FLANGE WITH THE DIMENSIONS OF THE CLASS 125 FLANGES AS SHOWN IN ANSI B16 1 PROPERLY RECESSED FOR TAPPING VALVE GLANDS SHALL BE GRAY-IRON OR DUCTILE IRON GASKETS SHALL BE VULCANIZED NATURAL OR SYNTHETIC RUBBER BOLTS AND NUTS SHALL COMPLY WITH ANSI/AWWA C-111/A 21 11 SLEEVES SHALL BE CAPABLE OF WITHSTANDING A 200 PSI WORKING PRESSURE

   B STAINLESS STEEL TAPPING SLEEVE SLEEVES SHALL BE FABRICATED OF MINIMUM 3/8-INCH CARBON STEEL MEETING ASTM A285, GRADE

   C OUTLET FLANGE SHALL MEET AWWA C-207, CLASS D, ANSI 150 LB DRILLING AND BE PROPERLY RECESSED FOR THE TAPPING VALVE BOLTS AND NUTS SHALL BE HIGH STRENGTH LOW ALLOY STEEL TO ANSI/AWWA A21 11/C-111 GASKET SHALL BE VULCANIZED NATURAL OR SYNTHETIC RUBBER SLEEVE SHALL HAVE MANUFACTURER APPLIED FUSION BONDED EPOXY COATING, MINIMUM 12-MIL THICKNESS

6 SERVICE SADDLES SADDLES FOR DUCTILE IRON PIPE SHALL BE DOUBLE STRAP, ANCHORED BY A MINIMUM FOUR (4) BOLT PATTERN ON A DUCTILE IRON SADDLE BODY SERVICE SADDLES FOR PVC PIPE SHALL HAVE A DOUBLE STRAP SIZED EXACTLY TO THE PIPE OUTSIDE DIAMETER SEALING GASKETS SHALL BE SUITABLE FOR THE APPLICABLE SERVICE AND STRAPS SHALL BE CORROSION RESISTANT ALLOY STEEL THE TOWN MAY REQUIRE A STAINLESS STEEL STRAP AND FUSION EPOXY OR NYLON COATED DUCTILE IRON BODY WITH STAINLESS STEEL HARDWARE IN AREAS DESIGNATED AS CORROSIVE

7 POLYETHYLENE ENCASEMENT ENCASEMENT SHALL HAVE A MINIMUM THICKNESS OF 8-MILS AND COMPLY WITH THE APPLICABLE PROVISIONS OF ANSI/AWWA C-105/A21 5, "POLYETHYLENE ENCASEMENT FOR GRAY AND DUCTILE IRON PIPING FOR WATER AND OTHER LIQUIDS "

PIPE RESTRAINT NOTES

1 THIS TABLE IS BASED ON THE RESTRAINT CALCULATION SOFTWARE PROVIDED FREE OF CHARGE BY ECAA IRON INC AT http://www ebaa com/engineering htm AND THE FOLLOWING INPUT VARIABLES
   A MAXIMUM TEST PRESSURE OF 150 PSI
   B LAYING CONDITION TYPE 3 (SEE DETAILS)
   C POOR SOIL CONDITIONS (SOIL TYPE ML)
   D USING D I P
   E 2' FEET OF COVER
   F HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
   G SAFETY FACTOR = 1 5 TO 1

2 FOR POLYWRAPPED D I P MULTIPLY THE FOOTAGE BY 1 5

3 FOR PVC PIPE, MULTIPLY FOOTAGE BY 1 34

4 RESTRAINED PIPE SHALL BE MANUFACTURED RESTRAINED PIPE, PUSH-ON RESTRAINTS OR MECHANICAL JOINT PIPE RESTRAINED BY EBAA MEGALUG

5 ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY

MINIMUM LENGTH OF PIPE TO BE RESTRAINED
EACH SIDE OF RESTRAINED FITTINGS

	PIPE SIZE					
	6"	8"	12"	16"	20"	36"
PLUG OR BRANCH	58	75	104	131	157	243
90° BEND	33	42	58	72	85	126
45° BEND	14	18	24	30	35	53
22-1/2° BEND	7	9	12	15	17	26
11-1/4° BEND	4	5	6	8	9	13

BRETT ALAN CREWS LICENSE NO. 65592 STATE OF FLORIDA

Brett A Crews, P E. 65592

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
		PERMITTING PLANS ONLY			

CES
Crews Engineering Services, LLC
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P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085

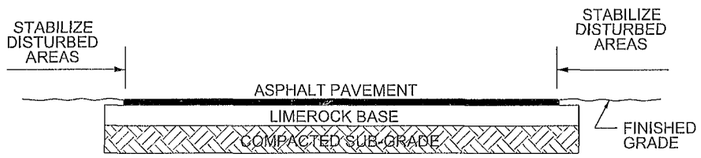
DRAWN BY: BC
APPROVED BY: BC

HARBOR FREIGHT

GENERAL NOTES

CES PROJECT NO 2014-013

SHEET: DET2

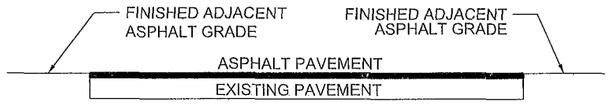


1 5" SUPERPAVE (12 5)
0 1 GAL/SY PRIME COAT
6" LIMEROCK BASE, LBR 100
12" COMPACTED SUB-GRADE, LBR 30

NOTE
SUBGRADE SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM T-99

STANDARD DUTY ASPHALT PAVEMENT SECTION

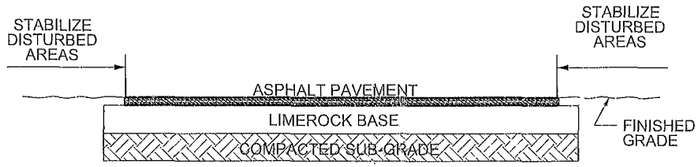
NTS



1 0 ' SUPERPAVE (12 5)

ASPHALT OVERLAY PAVEMENT SECTION

NTS

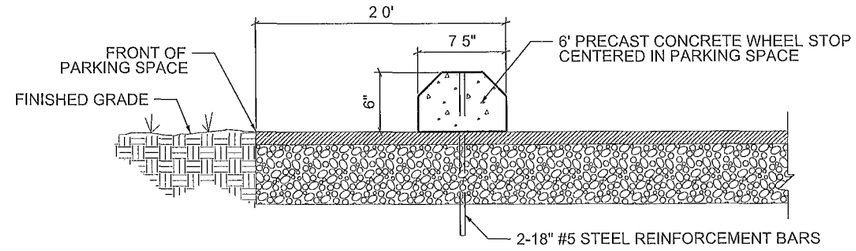


2" SUPERPAVE (12 5)
0.1 GAL/SY PRIME COAT
8" LIMEROCK BASE, LBR 100
12" COMPACTED SUB-GRADE, LBR 30

NOTE
SUBGRADE SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM T-99

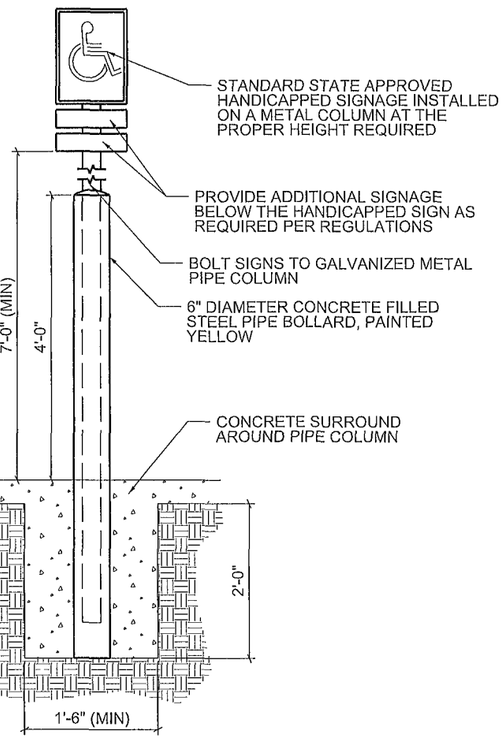
HEAVY DUTY ASPHALT PAVEMENT SECTION

NTS



PRECAST CONCRETE WHEELSTOP DETAIL

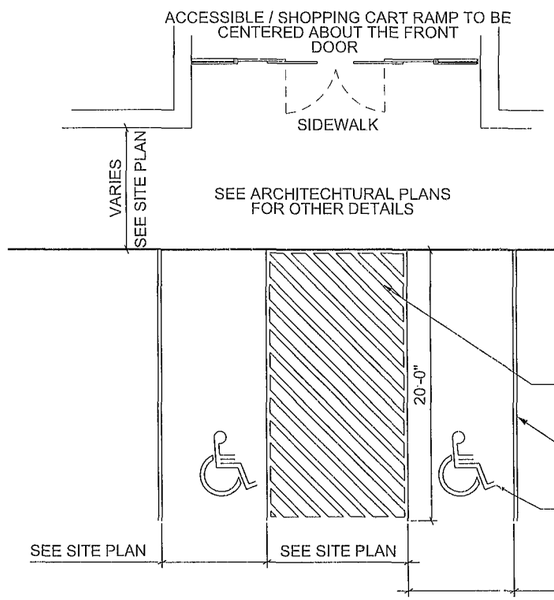
NTS



ACCESIBLE PARKING SIGN DETAIL

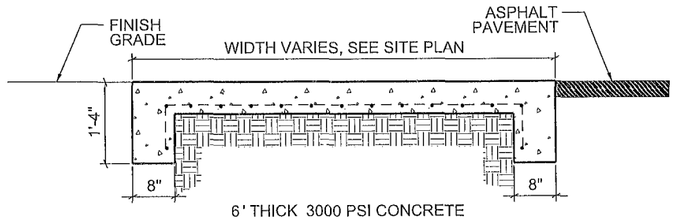
NTS

NOTE
ALL ACCESSIBLE RAMP AND ACCESS AISLES SHALL MEET ALL CODES AND ADAAG REGULATIONS



ACCESSIBLE PARKING DETAIL

NTS

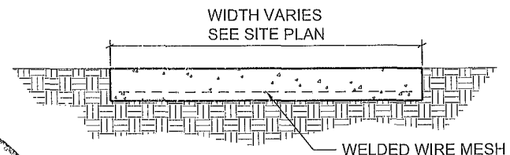


6 ' THICK 3000 PSI CONCRETE
4 BARS @ 12" O C (TOP AND BOTTOM)
12" STABILIZED SUBGRADE, LBR 30
COMPACT TO 98% MODIFIED PROCTOR

*** REMOVE ALL UNSUITABLE SOILS (MUCK OR CLAY) TO 12" BELOW BOTTOM OF STABILIZED SUBGRADE

TYPICAL CONCRETE DUMPSTER/LOADING PAD DETAIL

NTS



4' THICK, 3000 PSI CONCRETE
REINFORCED WITH 6x6x10/10 WELDED WIRE MESH
PROVIDE 1/8"-1/4' CONTRACTION JOINTS AT 10' CENTERS (MAXIMUM)

TYPICAL CONCRETE SIDEWALK DETAIL

NTS

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Brett A. Crews, P.E. 65592

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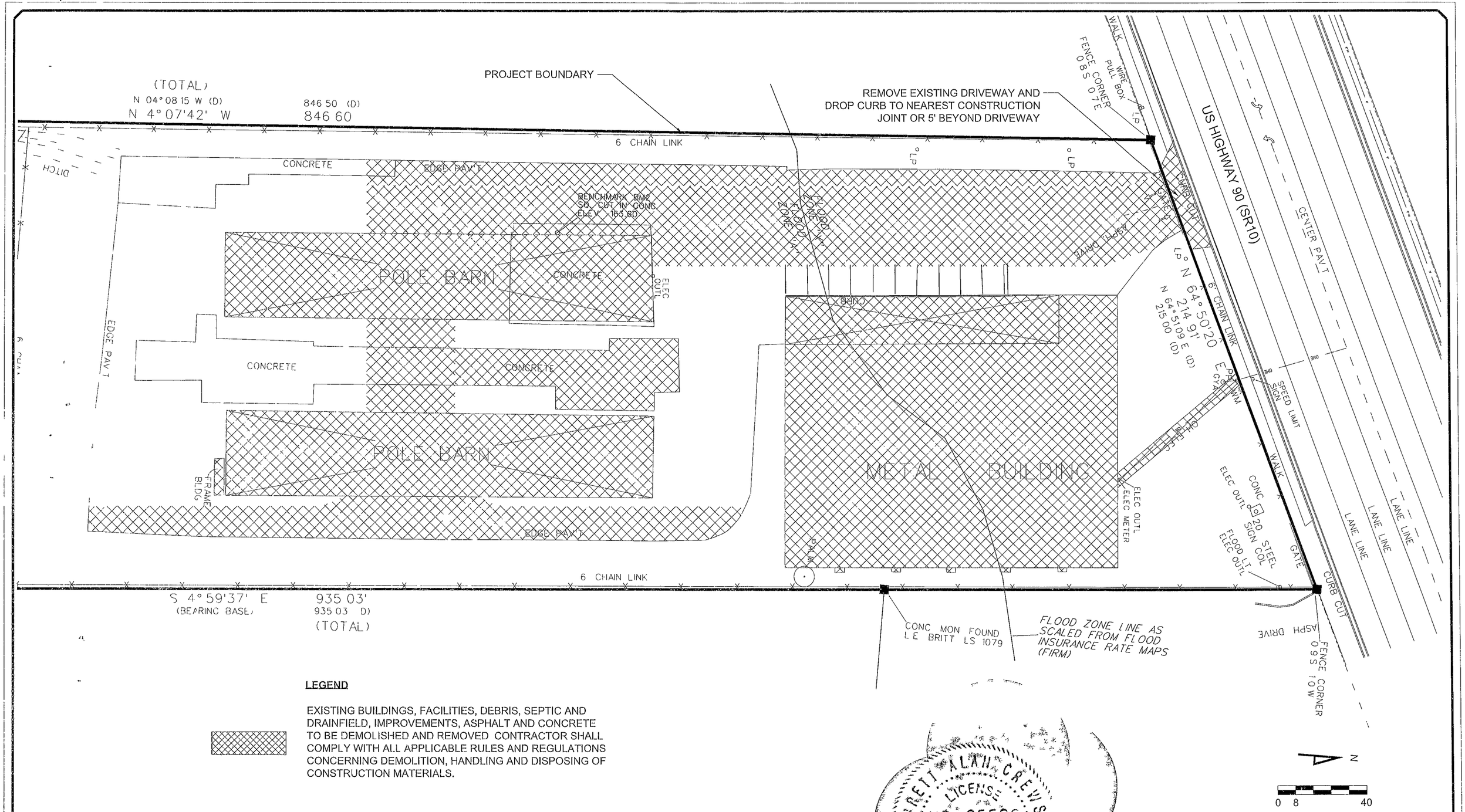
APPROVED BY: BC

HARBOR FREIGHT

MISCELLANEOUS NOTES AND DETAILS

CES PROJECT NO: 2014-013

SHEET: DET3



LEGEND

EXISTING BUILDINGS, FACILITIES, DEBRIS, SEPTIC AND DRAINFIELD, IMPROVEMENTS, ASPHALT AND CONCRETE TO BE DEMOLISHED AND REMOVED CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS CONCERNING DEMOLITION, HANDLING AND DISPOSING OF CONSTRUCTION MATERIALS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
		PERMITTING PLANS ONLY			

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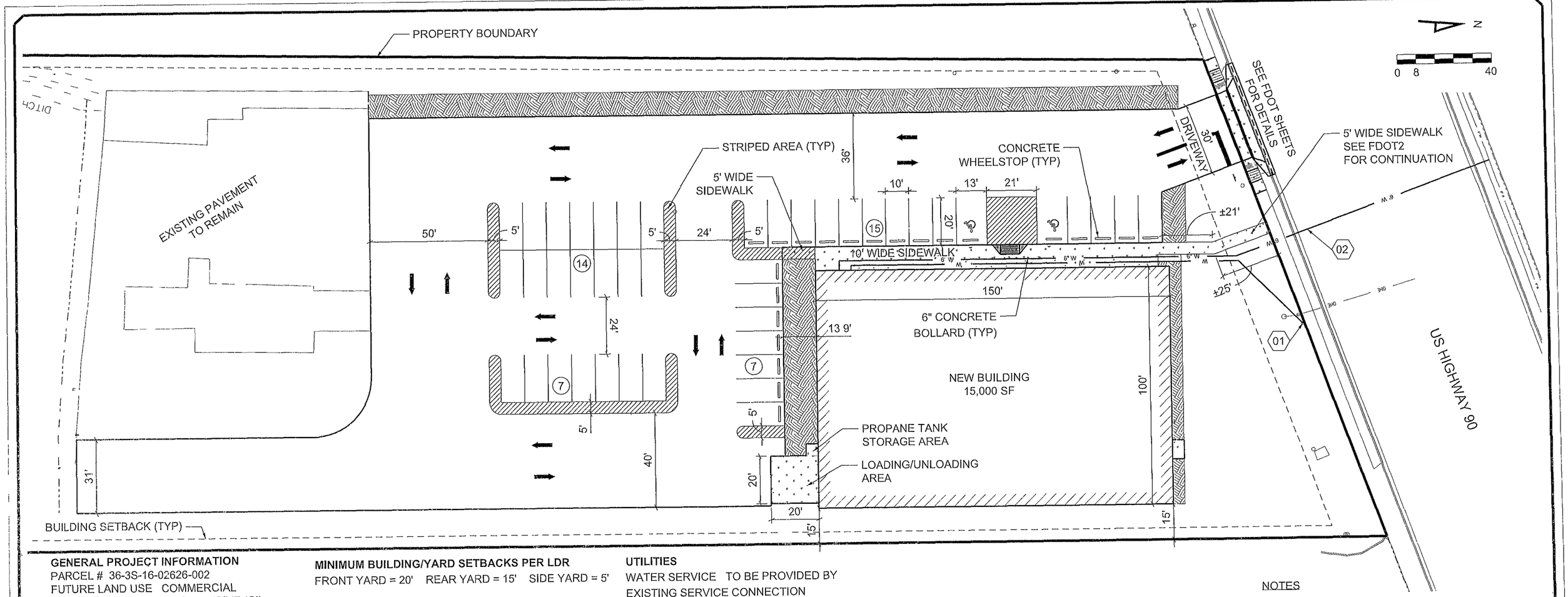
Brett A Crews P E 65592

DRAWN BY	HARBOR FREIGHT	CES PROJECT NO
BC		2014-013
APPROVED BY	EXISTING CONDITIONS / DEMO PLAN	SHEET
BC		SIT1



GENERAL PROJECT INFORMATION
PARCEL # 36-3S-16-02626-002
FUTURE LAND USE COMMERCIAL
ZONING COMMERCIAL, INTENSIVE (CI)

DEVELOPMENT DATA
TOTAL SITE AREA = 185,187 SF = 3 91 ACRES

EXISTING CONDITIONS IMPERVIOUS AREAS
BUILDING = 15,663 SF
COVERED STORAGE = 17,330 SF
ASPHALT PAVEMENT = 38,111 SF
CONCRETE PAVEMENT = 7,073 SF

PROPOSED CONDITIONS IMPERVIOUS AREAS
NEW BUILDING = 15,000 SF
NEW ASPHALT PAVEMENT = 42,663 SF
EXISTING APSHALT PAVEMENT = 17,116 SF
CONCRETE PAVEMENT = 2,227 SF

TOTAL PROPOSED IMPERVIOUS AREA = 63,506 SF (34% SITE AREA)

FAR = 15,000 SF / 185,187 SF = 0 08

MINIMUM BUILDING/YARD SETBACKS PER LDR
FRONT YARD = 20' REAR YARD = 15' SIDE YARD = 5'

PARKING CALCULATIONS
1 SPACE PER 350 SF OF NON-STORAGE AREA
REQUIRED PARKING = 15,000 SF / 350 = 43

AVAILABLE STANDARD PARKING = 43 SPACES

REQUIRED ACCESSIBLE PARKING
1 PER 25 REQUIRED = 1 SPACE

AVAILABLE ACCESSIBLE PARKING = 2 SPACES

BOUNDARY AND TOPOGRAPHICAL
THE BOUNDARY AND TOPOGRAPHICAL INFORMATION SHOWN IN THESE PLANS IS BASED ON A SURVEY BY DONALD F LEE AND ASSOCIATES, INC

ELEVATION BASED ON NAVD88 DATUM

UTILITIES
WATER SERVICE TO BE PROVIDED BY EXISTING SERVICE CONNECTION TO CITY OF LAKE CITY PUBLIC SYSTEM

WASTEWATER SERVICE TO BE PROVIDED BY EXISTING SERVICE CONNECTION TO CITY OF LAKE CITY PUBLIC SYSTEM

FIRE PROTECTION TO BE PROVIDED BY PROPOSED CONNECTION TO EXISTING 6" WATER LINE ALONG NORTH SIDE OF US 90

ELECTRIC SERVICE
TO BE PROVIDED BY CONNECTION TO EXISTING SERVICES ALONG US 90

DRAINAGE
THE PROPOSED STORM WATER MANAGEMENT MEETS SRWMD RULES AND REGULATIONS

LANDSCAPING
REQUIRED AREA
10% OF NEW PARKING AREA = 42,663 SF * 10% = 4,266 SF

LANDSCAPING AREA PROVIDED (AS SHOWN) = ±5,302 SF

REQUIRED TREES
1 TREE PER 200 SF OF REQUIRED LANDSCAPING AREA
OF REQUIRED TREES = 4,366 SF / 200 = 22 TREES

REQUIRED SUPPLEMENTAL PLANTS
SIX TWO-GALLON PLANTS PER REQUIRED TREE
OF REQUIRED PLANTS = 22 * 6 = 132 PLANTS

REQUIRED SUPPLEMENTAL SHRUBS
THREE FIVE-GALLON SHRUBS PER REQUIRED TREE
OF REQUIRED SHRUBS = 22 * 3 = 66 SHRUBS

NOTES

01 PROPOSED 1-¼" WATER LINE, ±202 LF
TO SERVICE NEW BUILDING
CONNECT TO EXISTING SERVICE CONNECTION

02 PROPOSED 6" FIRE LINE, ±285 LF
TO SERVICE NEW BUILDING
SEE ARCHITECHTURAL PLANS FOR CONTINUATION
BACKFLOW PREVENTOR LOCATED INSIDE BUILDING
SEE FDOT4 FOR US90 CROSSING

LEGEND

(43) AVAILABLE PARKING SPACES (TOTAL)

TRAFFIC FLOW

AREA TO BE LANDSCAPED WITH GRASS, PLANTS, SHRUBS, TREES OR OTHER LANDSCAPING MATERIAL

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NO. 65592
5/5/2014
Brett A. Crews, P.E. 65592

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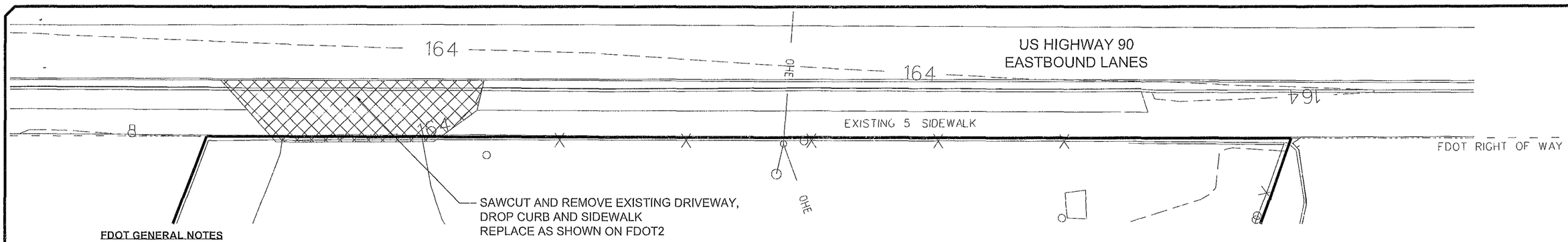
APPROVED BY BC

HARBOR FREIGHT

SITE PLAN

CES PROJECT NO 2014-013

SHEET SIT2



FDOT GENERAL NOTES

1 ALL PERMITTED AND PROPOSED WORK AND/OR CONSTRUCTION ON PROPERTY OWNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SHALL CONFORM TO FDOT SPECIFICATIONS AND DESIGN STANDARDS (CURRENT EDITION), APPROVED COVER LETTER AND GENERAL AND SPECIAL PERMIT PROVISIONS

2 THE TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE FDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) AND THE FDOT DESIGN STANDARDS (INDEX 17302 & 17346) THIS REQUIREMENT SHALL INCLUDE ALL DRIVEWAY(S) "SPECIAL PAVEMENT MARKINGS" FOR THE ACCESS CONNECTION LYING ON AND OFF FDOT RIGHT-OF-WAY

3 ALL PERMITTED PAVEMENT STRIPING ASSOCIATED WITH THIS ACCESS PERMIT SHALL REQUIRE CERTIFIED LEAD FREE THERMOPLASTIC MARKING MATERIALS AS THE FINAL PLACEMENT ITEM TEMPORARY TRAFFIC BEARING PAINT SHALL BE REQUIRED TO BE IN PLACE 30 MINUTES BEFORE OFFICIAL SUNDOWN TEMPORARY TRAFFIC BEARING PAINTS AND THERMOPLASTIC MARKING MATERIALS SHALL MEET FDOT MINIMUM SPECIFICATIONS FOR NIGHT REFLECTIVITY TEMPORARY RPM'S SHALL BE INSTALLED DURING TEMPORARY AND PERMANENT STRIPING PHASES

4 FAILURE BY THE PERMITTEE OR THE CONTRACTOR TO HAVE A CERTIFIED STRIPING CREW ON SITE BEFORE THE START OF PAVING CAN BE REASON TO SUSPEND THE APPROVED PERMIT UNTIL SUCH TIME AS THE PERMITTEE AND/OR THE CONTRACTOR CORRECTS THE SITUATION TO THE SATISFACTION OF THE ON-SITE FDOT PERMITS PERSONNEL/INSPECTOR

5 ALL PERMITTED ABOVEGROUND SIGNAGE SHALL CONFORM TO FDOT DESIGN STANDARDS (INDEX 11860 AND 17302) ABOVEGROUND POSTED SIGNS AND SIGN BRACKET ATTACHMENTS SHALL BE INSTALLED PRIOR TO THE FINAL DRIVEWAY CONSTRUCTION

6 MAINTENANCE OF TRAFFIC SHALL CONFORM TO FDOT DESIGN STANDARDS (INDEX 600, 602 AND 603)

7 ALL AREAS DISTURBED WITHIN FDOT RIGHT-OF-WAY SHALL BE RE SODDED WITH CERTIFIED COASTAL BERMUDA GRASS SOD OR FDOT APPROVED ALTERNATIVE ALL SOD SHALL BE INSTALLED TO FDOT SATISFACTION BEFORE PAVING CAN COMMENCE REFER TO THE ATTACHED PERMIT COVER LETTER AND/OR APPROVED SITE PLAN OR PLAN NOTES ON RIGHT-OF-WAY RESTORATION FOR ADDITIONAL PROVISIONS AND OTHER SODDING SPECIFICATIONS

8 ALL FDOT RIGHT-OF-WAY RESTORATION, GRASS SOD PLACEMENT AND/OR SEEDING AND STRAW MULCH REQUIRED UNDER THIS APPROVED FDOT ACCESS PERMIT SHALL BE IN PLACE AND HAVE RECEIVED A MINIMUM OF TWO(2) WATERINGS AND HAVE RECEIVED A PASSING INSPECTION FOR PERMIT COMPLIANCE ON THIS ITEM BEFORE ANY TYPE OF ASPHALT OR CONCRETE PAVING CAN COMMENCE ON FDOT RIGHT-OF-WAY BE AWARE, NO PAVING OR CONCRETE POURS CAN COMMENCE UNTIL ALL OF THE ABOVE RESTORATION OVER SAID PROJECT IS COMPLETE

FDOT GENERAL NOTES CONT.

9 THE PERMITTEE OR LEGAL REPRESENTATIVE SHALL CONTACT THE LOCAL FDOT MAINTENANCE PERMITS OFFICE, HAVING JURISDICTION OVER THIS APPROVED PERMIT, A MINIMUM OF 48 HOURS IN ADVANCE OF THE PLANNED ACTIVATION OF THIS ACCESS PERMIT FOR THE EXPLICIT PURPOSE OF SCHEDULING THE MANDATORY PRE-CONSTRUCTION MEETING WITH ALL PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT CONTACT CAN BE MADE BY CALLING 904-825-5018 OR 904-825-5023 TUESDAY THROUGH FRIDAY, 7 00 A.M TO 5 00 P M FAILURE ON THE PERMITTEE OR THE CONSTRUCTION CONTRACTOR'S PART TO MAKE ADVANCED CONTACT TO SCHEDULE A MUTUALLY AGREED UPON PRE-CONSTRUCTION MEETING SHALL BE REASON FOR SUSPENSION OF THE APPROVED FDOT ACCESS PERMIT

10 THE EXISTING ASPHALT PAVED SHOULDER SHALL BE MECHANICALLY SAW CUT AND REMOVED AS WELL AS ALL PRE-EXISTING SUB GRADE MATERIALS WITHIN THE LIMITS OF THE PROJECT IMPROVEMENTS, WORK ZONE, OR AS MAY BE CALLED FOR UNDER THE STATE FDOT PERMIT

11 MILL AND RESURFACE AS REQUIRED TO PROVIDE SMOOTH INTERSECTION OF EXISTING AND PROPOSED PAVEMENT

12 THE CONTRACTOR SHALL OBTAIN THREE (3) DENSITY TESTS ACCORDING TO FDOT SPECIFICATIONS LIME ROCK SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T180 A COPY OF ALL REQUIRED DENSITY TEST RESULTS SHALL BE DELIVERED TO THE FDOT ST AUGUSTINE MAINTENANCE, ACCESS PERMITS OFFICE NO PAVING OPERATIONS SHALL COMMENCE PRIOR TO THIS SUBMITTAL AND ALL OF THE MINIMUM FDOT SPECIFICATIONS HAVE BEEN MET

13 IF A DRAINAGE CONNECTION HAS BEEN PERMITTED AND IS REQUIRED AS A PROVISION OF THE APPROVED FDOT SITE PLAN AND A PHYSICAL CONNECTION TO AN EXISTING FDOT STRUCTURE IS REQUIRED, THE ENTRY SHALL BE MADE BY SMOOTH CORE METHOD ONLY, WITH A MAXIMUM 0 500 INCH OVERBORE THE PERMITTEE SHALL MAKE ADVANCED PREPARATIONS TO HAVE THE FDOT PERMIT INSPECTOR ON SITE AT THE TIME OF CONSTRUCTING THE ENTRY TO ENSURE A WATER TIGHT SEAL IS MADE TO FDOT STANDARDS THIS PHASE OF THE PROJECT CAN NOT COMMENCE WITHOUT AN FDOT INSPECTOR ON SITE

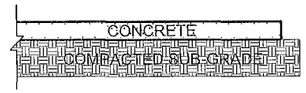
14 FAILURE TO ABIDE BY THE ATTACHED GENERAL AND SPECIAL PERMIT PROVISIONS, AS WELL AS THE ATTACHED COVER LETTER (A LEGAL PART OF THE PERMIT), SHALL BE REASON TO SUSPEND ANY OR ALL FDOT APPROVED PERMITTED ACTIVITIES UNTIL SUCH TIME THAT THE SITUATION HAS BEEN CORRECTED TO FDOT SATISFACTION

15 BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN FDOT R/W

16 SOD ALL DISTURBED AREAS IN FDOT R/W

SPECIAL NOTE

REMOVE EXISTING PAVEMENT MARKINGS BY HYDROBLAST METHOD
AVOID DAMAGE TO EXISTING ASPALT PAVEMENT
SEE FDOT2 FOR DETAILS



COMPOSITION

8" (MIN) 3000 PSI FDOT CLASS 1 CONCRETE WITH WIRE MESH
12" COMPACTED SUBGRADE

SUBGRADE SHALL BE COMPACTED TO
100% MAXIMUM DENSITY
AS ESTABLISHED BY AASHTO T-99

DESIGN SPEED = 25 MPH

FDOT CONCRETE PAVEMENT SECTION
NTS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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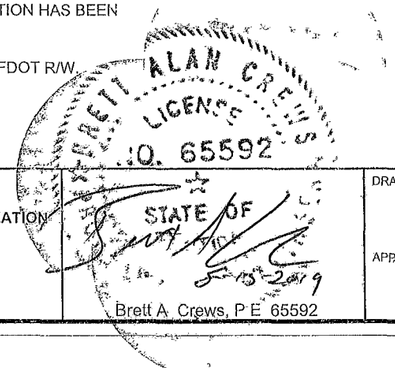


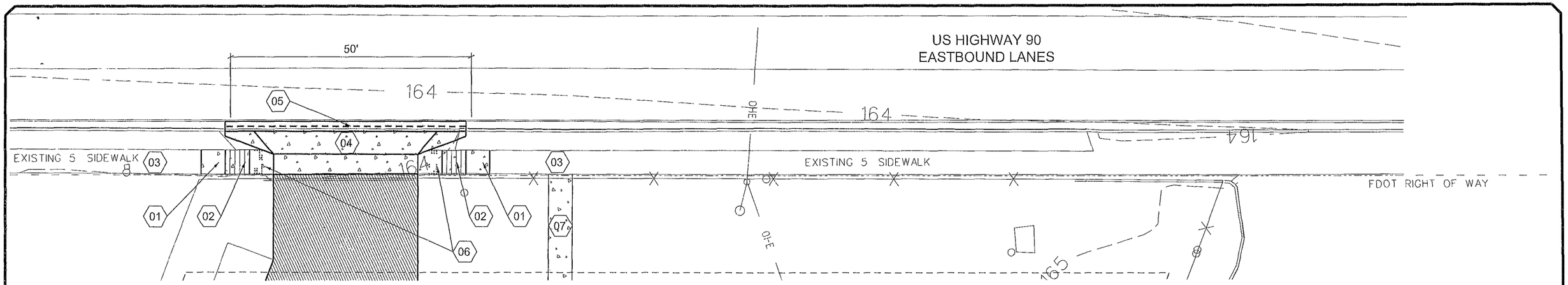
Brett A. Crews, P.E. 65592

DRAWN BY: BC
APPROVED BY: BC

HARBOR FREIGHT

FDOT ACCESS CONNECTION EXISTING CONDITIONS AND GENERAL NOTES

CES PROJECT NO: 2014-013
SHEET: FDOT1



NOTES

01 CONCRETE SIDEWALK
SAWCUT AND REPLACE TO NEAREST
CONSTRUCTION JOINT IF LESS THAN 5'
2% MAX CROSS SLOPE
TIE INTO EXISTING
FDOT INDEX 310

02 PUBLIC SIDEWALK RAMP
FDOT INDEX 304

03 TEMPORARY SIDEWALK CLOSURE
FDOT INDEX 600

04 CONCRETE DRIVEWAY
SEE DETAIL

05 DROP CURB
FDOT INDEX 300
MATCH EXISTING FL

06 DETECTABLE WARNING
FDOT INDEX 304

07 5' WIDE CONCRETE SIDEWALK
2% MAX CROSS SLOPE
TIE INTO EXISTING
FDOT INDEX 310

LEGEND

DENOTES CONCRETE PAVEMENT, SEE DETAIL

DENOTES HEAVY DUTY ASPHALT PAVEMENT,
SEE DETAIL

N

0 4 20

REVISIONS					
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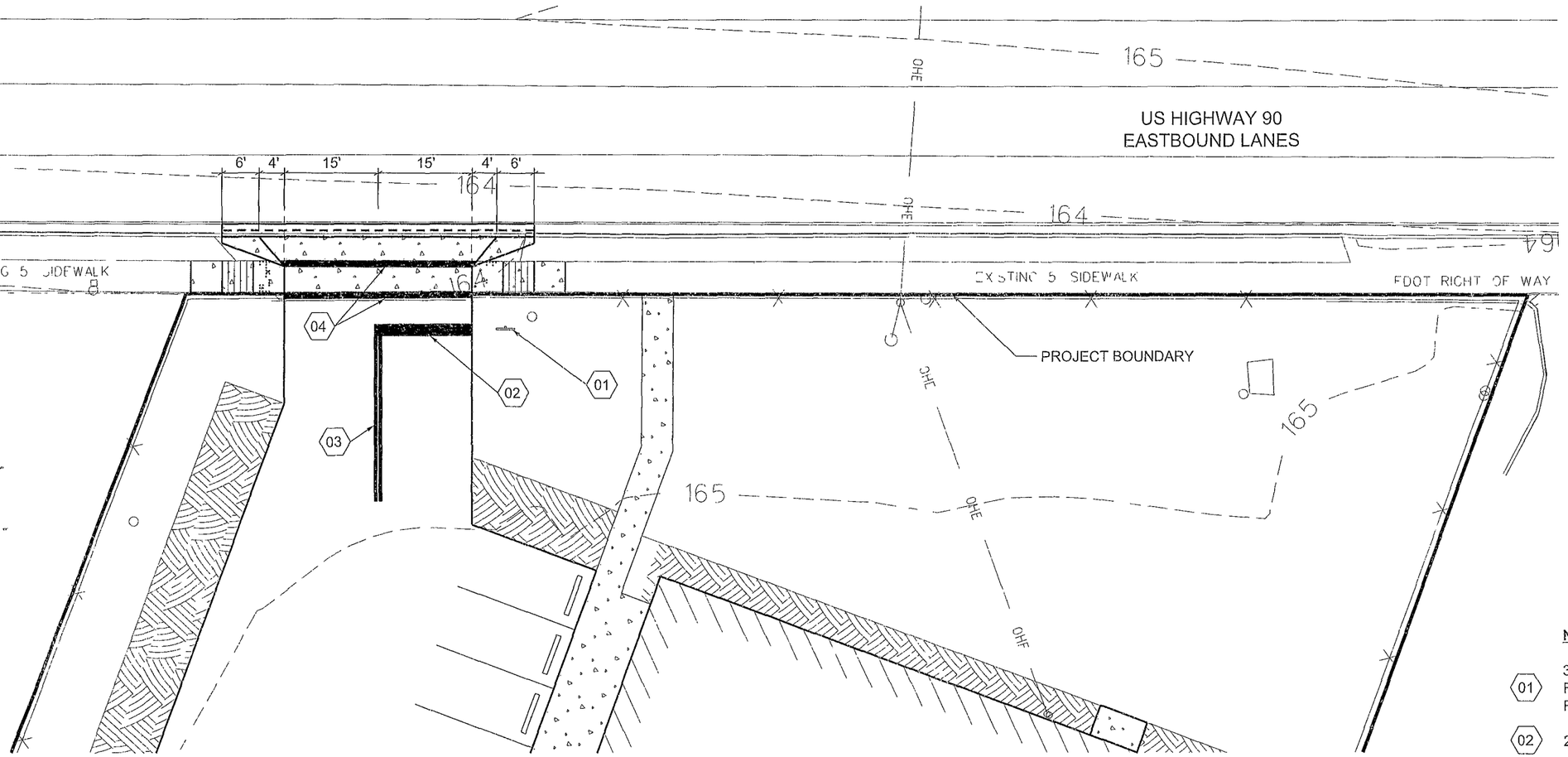
APPROVED BY: BC

HARBOR FREIGHT

FDOT ACCESS CONNECTION
NOTES AND DETAILS

CES PROJECT NO: 2014-013
SHEET: FDOT2



NOTES

(01) 36" X 36"
FDOT R1-1 "STOP" SIGN
FDOT INDEX 11860 AND 17302

(02) 24" WHITE STOP BAR, ±15 LF

(03) 6" DOUBLE YELLOW, ±13 LF

(04) 4' CROSSWALK
12" WHITE, ±62 LF

N

0 4 20

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5-25-2019
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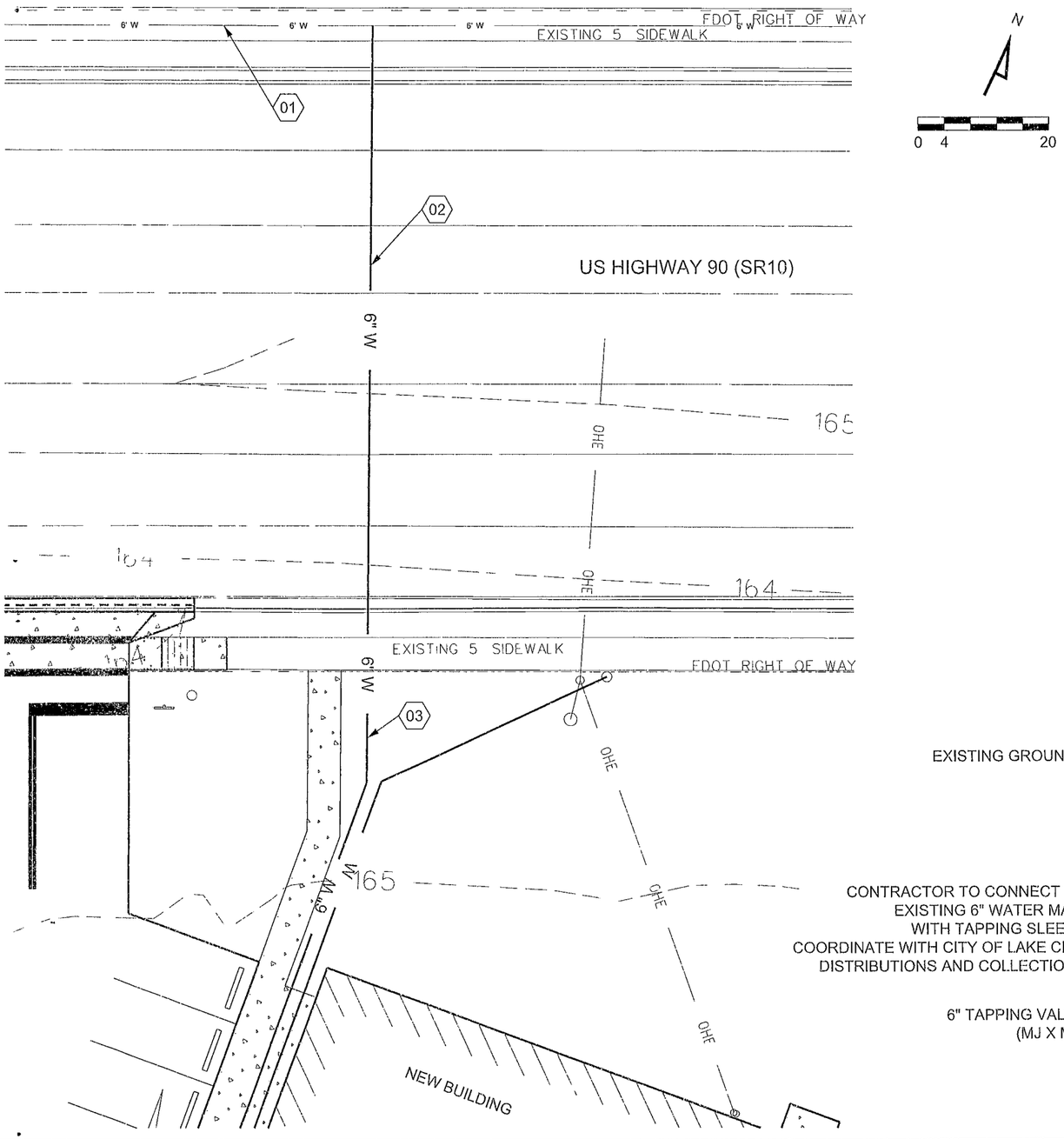
HARBOR FREIGHT

FDOT ACCESS CONNECTION SIGNING AND MARKING

CES PROJECT NO: 2014-013

SHEET: FDOT3



NOTES

01 EXISTING 6" WATER MAIN

02 PROPOSED 6" FIRE LINE
FUSIBLE PVC PIPE, DR18 C900, ±80 LF
DIRECTIONAL DRILL UNDER US 90
SEE PROFILE

03 PROPOSED 6" FIRE LINE,
DR 18 C900, SEE SIT1

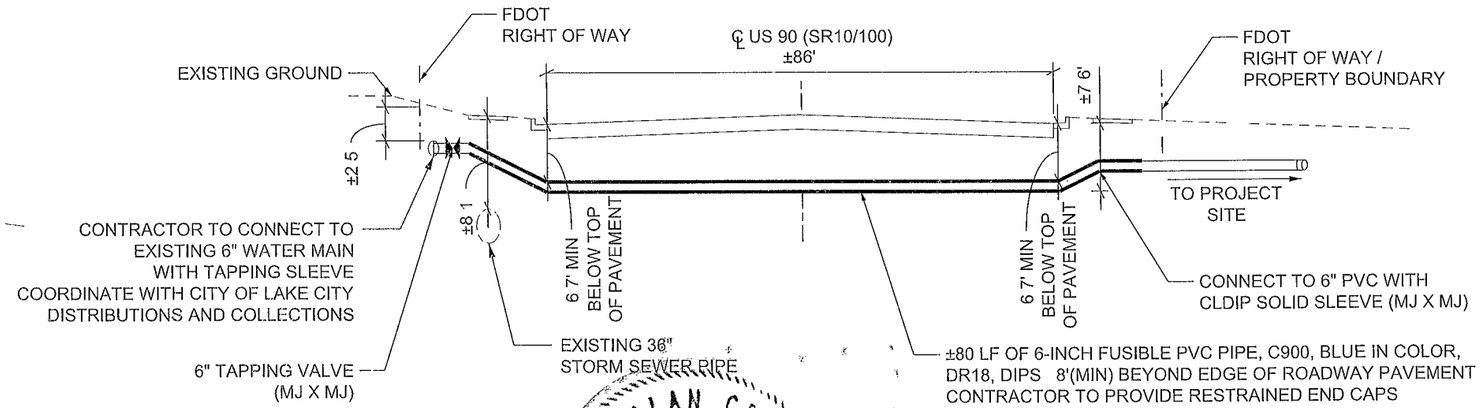
NOTES

1 INSTALL PROPOSED WATER LINE BY DIRECTIONAL DRILL METHOD

2 MAINTAIN MINIMUM CLEARANCE FROM EXISTING UTILITIES AS REQUIRED BY APPLICABLE CODES

3. ADDITIONAL UTILITIES MAY EXIST IN AREA VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION BY NON-DESTRUCTIVE METHOD NOTIFY ENGINEER IF DISCREPANCIES EXIST BETWEEN PLANS AND ACTUAL FIELD CONDITIONS

4 CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH CITY OF LAKE CITY PRIOR TO BEGINNING WORK.



UTILITY CROSSING PROFILE
NTS

BRETT ALAN CREWS
LICENSE
NO. 65594
STATE OF
5-15-2019
Brett A. Crews, P.E. 65592

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DRAWN BY BC
APPROVED BY BC

HARBOR FREIGHT

FDOT UTILITY CROSSING

CES PROJECT NO 2014-013

SHEET FDOT4