

EXHIBIT A

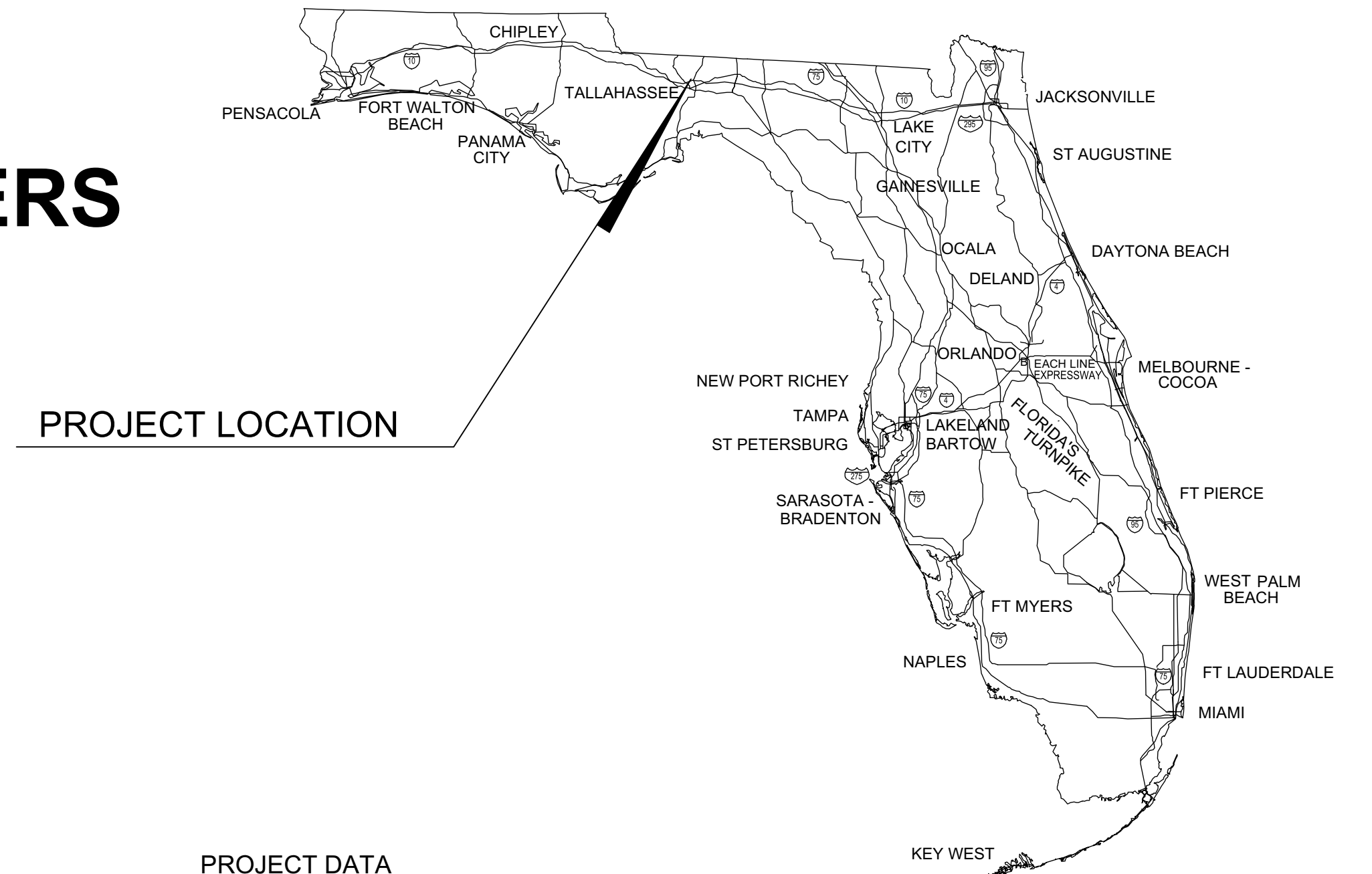
APPROVED

PERMIT NO. LEM1800072
DATE 1/17/2019 AMP

See Attachment A

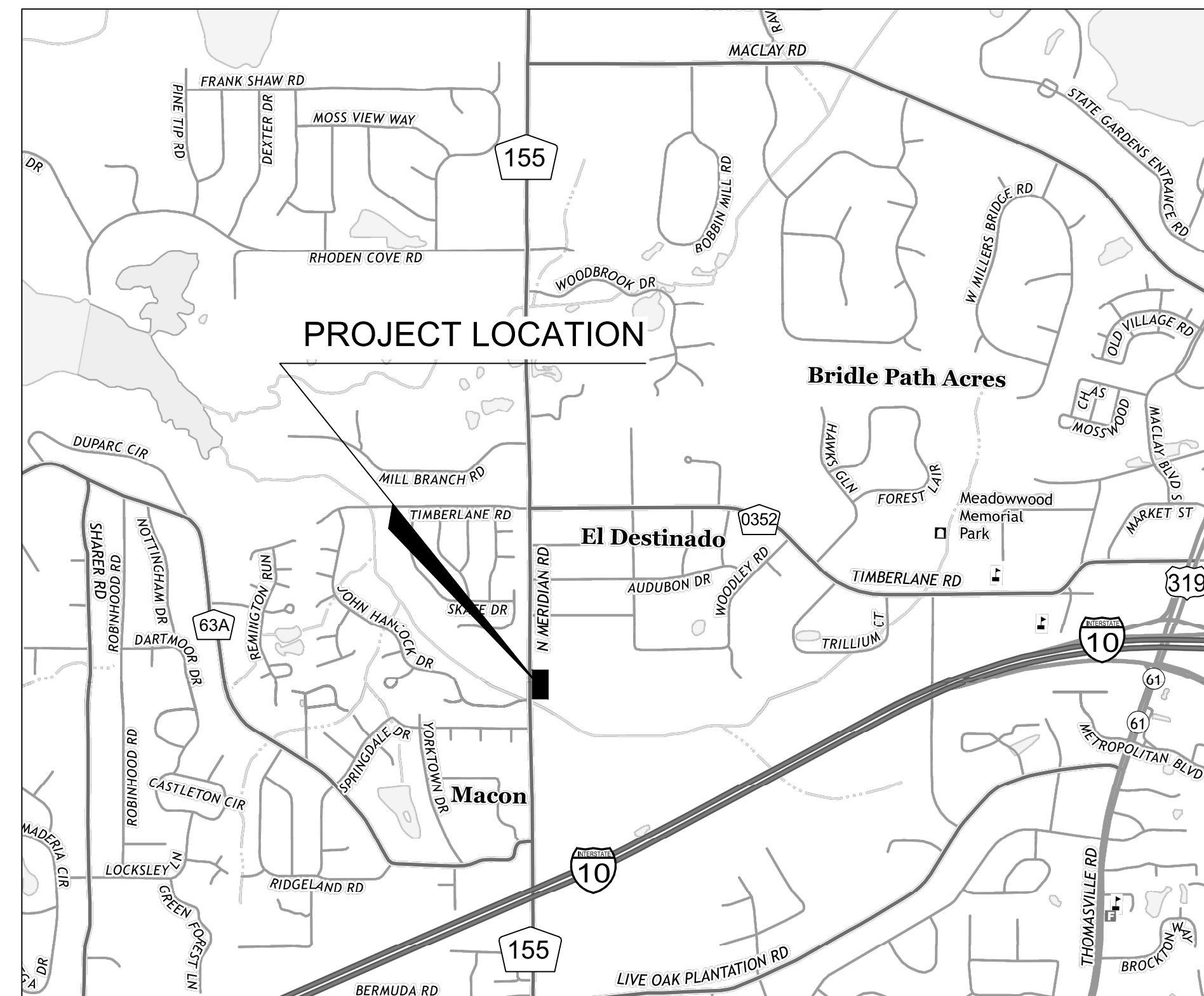
LEON COUNTY BOARD OF COUNTY COMMISSIONERS PUBLIC WORKS DEPARTMENT CONSTRUCTION PLANS FOR GOODWILL DONATION STATION PARKING LOT RELOCATION

ENVIRONMENTAL MANAGEMENT PERMIT - LEM1800072



PROJECT LOCATION

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LOCATION MAP



PROJECT DATA	
PARCEL I.D. NO.:	11-07-20-212-000-0 11-07-20-213-000-0
PROJECT NAME:	GOODWILL DONATION STATION PARKING LOT RELOCATION
PROJECT SPONSOR:	LEON COUNTY BOARD OF COUNTY COMMISSIONERS LEON COUNTY PUBLIC WORKS CHARLES WU (850) 606-1500 2280 MICCOSUKEE ROAD TALLAHASSEE, FL 32308
OWNER:	EDWARD M. MITCHELL 1330 CAPITAL CIRCLE NE TALLAHASSEE, FL 32308 (850) 547-6000
PREPARED BY:	STANTEC CONSULTING SERVICES INC. 2316 KILLEARN CENTER BLVD, STE 102 TALLAHASSEE, FL 32309 (850) 878-5001
ENGINEER OF RECORD:	ARLENE ITZEL MORALES, P.E. FL. REG. NO. 80986 2316 KILLEARN CENTER BLVD, STE 102 TALLAHASSEE, FL 32309 (850) 878-5001
SURVEYOR OF RECORD:	NOBLES CONSULTING GROUP, INC. 2844 PABLO AVENUE TALLAHASSEE, FL 32308 (850) 385-1179

COMMISSIONERS:

WILLIAM C. PROCTOR, JR
DISTRICT 1

JIMBO JACKSON
DISTRICT 2

JOHN E. DAILEY
DISTRICT 3

BRYAN DESLOGE
DISTRICT 4

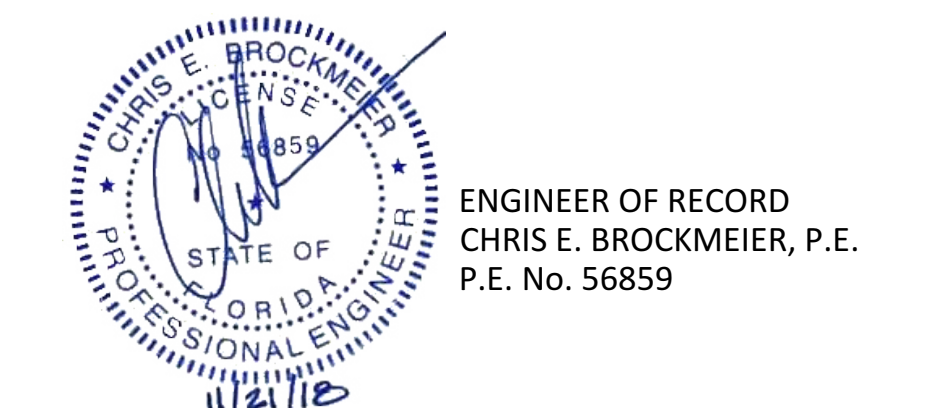
KRISTIN DOZIER
DISTRICT 5

MARY ANN LINDLEY
AT-LARGE

NICK MADDOX
AT-LARGE

VINCENT S. LONG
COUNTY ADMINISTRATOR

BRENT PELL, PE
PUBLIC WORKS DIRECTOR



ENGINEER OF RECORD
CHRIS E. BROCKMEIER, P.E.
P.E. No. 56859

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY2017-18 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/rddesign/DesignStandards/Standards.shtm>

Florida Department of Transportation, FY2018-19 Standard Plans for Road and Bridge Construction (eBook) and 2018 FDOT Design Manual and applicable revisions at the following website:
<http://www.fdot.gov/design/standardplans/current/default.shtm>

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, JULY 2017 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

SEPTEMBER 2018
Project Number: 215613796

NOTE:
THE SCALE OF THESE PLANS MAY HAVE
CHANGED DUE TO REPRODUCTION.

Approved By: Nawfal Ezzagaghi 1/17/2019

Stantec
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PROPOSED UTILITY PROVIDERS FOR THIS PROJECT:
WATER CITY OF TALLAHASSEE
SEWER CITY OF TALLAHASSEE
ELECTRIC CITY OF TALLAHASSEE
PHONE CENTURY LINK
CABLE COMCAST, INC.
SOLID WASTE WASTE MANAGEMENT, INC.



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TALLAHASSEE, FL 32309
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The Contractor shall verify and be responsible for all dimensions, O&M, and other data shown on drawings. The Contractor shall report any errors or omissions to the design engineer immediately. The Contractor shall report any errors or omissions to the design engineer immediately. The Contractor shall report any errors or omissions to the design engineer immediately. The Contractor shall report any errors or omissions to the design engineer immediately.

GENERAL NOTES

- 1. EXISTING TOPOGRAPHY AND IMPROVEMENTS SHOWN ARE BASED ON SURVEY INFORMATION BY NOBLES CONSULTING GROUP, INC.
2. THE FDOT 2017-18 DESIGN STANDARDS ARE INCORPORATED IN THESE PLANS BY REFERENCE.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FDOT 2018 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. ALL DISTURBED AREAS NOT PAVED SHALL BE SODDED, PINNED AND PROVIDED WITH TEMPORARY IRRIGATION.
5. CONTRACTOR SHALL SOD ALL SLOPES 4:1 AND STEEPER.
6. ALL SOD SHALL BE CENTIPEDE.
7. GEOTECHNICAL REPORT BY ENVIRONMENTAL GEOTECHNICAL SPECIALISTS INC., DATED JUNE 2018 FOR THE SITE IS AVAILABLE.
8. ALL DIMENSIONS ARE FROM BACK OF CURB EDGE OF PAVEMENT, OR OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
9. SIGNING, STRIPING AND MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND FDOT INDEX #711-001
10. TRAFFIC CONTROL STRIPING AND MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED ON THE PLANS. PARKING SPACES MAY BE PAINTED.
11. HANDICAP RAMPS AND CROSSWALKS PER THE LATEST FLORIDA ACCESSIBILITY CODE, ADAAG AND FDOT STANDARD INDEX #522-001, 522-002.
12. ALL WATER AND SANITARY SEWER MAINS AND SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF TALLAHASSEE STANDARD SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES, 2018 AND THE PLUMBING CODE, LATEST EDITION.
13. THE CONTRACTOR SHALL NOT SUBSTITUTE ANY ARTICLE, DEVICE, PRODUCT, MATERIAL OR FIXTURE, OR ANY FORM OR TYPE OF CONSTRUCTION, FOR THAT WHICH IS INDICATED IN THE APPROVAL PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE ENGINEER.
14. CONTRACTOR SHALL AS-BUILT POND (GRAVEL PARKING AREA) PRIOR TO BACKFILLING WITH GRAVEL.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE WORK AREAS DURING CONSTRUCTION REGARDLESS OF WHETHER WORK IS ACTIVELY OCCURRING, TO PROTECT THE PUBLIC AS WELL AS PROPERTY ON THE SITE.
16. ALL WORK SHALL COMPLY WITH THE APPLICABLE STANDARDS IN THE POLICIES, SPECIFICATIONS AND PROCEDURES FOR THE CONSTRUCTION AND PLACEMENT OF UTILITIES IN LEON COUNTY, FLORIDA.
17. CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN DESIGN FOR APPROVAL BY THE LEON COUNTY PUBLIC WORKS ENGINEER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY FOR THE PROJECT, INCLUDING IF NECESSARY A LEON COUNTY ROAD CLOSURE REQUEST APPLICATION.

- 6. CONTRACTOR IS RESPONSIBLE FOR CONTINUATION OF SERVICE TO OCCUPIED BUILDINGS DURING CONSTRUCTION AND REPAIR OR REPLACEMENT OF ANY EXISTING UTILITIES IMPACTED BY CONSTRUCTION.
7. CONTRACTOR SHALL REFER TO DEMOLITION AND EROSION CONTROL MAP FOR LIMITS OF CLEARING, TREE REMOVAL, AND EROSION CONTROL.
8. CONTRACTORS IS RESPONSIBLE FOR PROVIDING SIGNED AND SEALED AS-BUILTS SHOWING ALL IMPROVEMENTS CONSTRUCTED UNDER THIS CONTRACT. AS-BUILTS SHALL INCLUDE BOTH ABOVE GROUND AND BURIED UTILITIES INCLUDING ANY EXISTING UTILITIES NOT SHOWN ON THESE PLANS BUT ENCOUNTERED DURING CONSTRUCTION PROCESS. AS-BUILTS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED SURVEYOR. CONTRACTOR SHALL CONTACT ENGINEER FOR SPECIFIC REQUIREMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SAFE VEHICULAR AND PEDESTRIAN ACCESS ROUTED AROUND THE PROPOSED CONSTRUCTION AREA THROUGHOUT THE CONSTRUCTION SEQUENCE.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF UNFORESEEN MATERIALS CONFLICTING WITH CONSTRUCTION INDICATED ON PLANS.
11. ALL MONITORING WELLS ON-SITE SHALL BE PROTECTED.
12. ALL EXCAVATED SOILS SHALL BE STOCKPILED IN LOCATION(S) INDICATED ON PLANS IF SHOWN. APPROPRIATE SEDIMENTATION CONTROLS SHALL BE INSTALLED AROUND THE STOCKPILE.
13. CONTRACTOR IS RESPONSIBLE TO PROTECT EXISTING UTILITIES NOT SCHEDULED FOR REMOVAL FROM DAMAGE DURING CONSTRUCTION.
14. CONTRACTOR IS RESPONSIBLE TO BE FAMILIAR WITH THE EXISTING CONDITION OF THE SITE PRIOR TO CONSTRUCTION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL SEDIMENT AND EROSION CONTROLS, AND TREE PROTECTION MEASURES THAT MAY BE REQUIRED BY THE LEON COUNTY ENVIRONMENTAL INSPECTOR DURING CONSTRUCTION.

UTILITY NOTES

- 1. STORM SEWER, SANITARY SEWER AND WATER SYSTEM MUST BE INSTALLED PRIOR TO THE CONSTRUCTION OF CURB, BASE AND PAVEMENT. APPROVAL BY LOCAL AUTHORITY MUST BE OBTAINED PRIOR TO FURTHER CONSTRUCTION.
2. PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
3. ALL STORMWATER DRAIN PIPE JOINTS WITHIN 6 FEET OF PAVING SHALL BE WRAPPED WITH FDOT APPROVED FABRIC UNLESS OTHERWISE NOTED OR STATED BY THE ENGINEER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING MANHOLES, INLETS, CLEANOUTS, VALVE BOXES, ETC., AND THEY SHALL BE ADJUSTED AS NECESSARY TO MATCH FINISHED GRADE.
5. CONTRACTOR SHALL COORDINATE AND MAKE PAYMENT FOR ALL ADJUSTMENT OF OVERHEAD UTILITIES AT DRIVEWAY CONNECTION TO PROVIDE A MINIMUM OF 16 FEET VERTICAL CLEARANCE.

DEMOLITION & EROSION CONTROL

- 1. CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE DURING CONSTRUCTION OF ALL SEDIMENTATION AND EROSION CONTROL DEVICES.
2. SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AS NECESSARY, IN ADDITION TO THOSE SHOWN ON THE PLANS, TO PROTECT ADJACENT PROPERTY OWNERS FROM SEDIMENTATION DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING LEON COUNTY DEPARTMENT OF DEVELOPMENT SUPPORT AND ENVIRONMENTAL MANAGEMENT, ENVIRONMENTAL INSPECTION DIVISION, TO INSPECT SEDIMENTATION CONTROLS PRIOR TO CONSTRUCTION COMMENCEMENT.
4. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKEOUT AND TESTING. COPIES OF ALL TEST RESULTS FOR SITE WORK SHALL BE PROVIDED TO THE ENGINEER.
5. THE LOCATION OF ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION COMMENCEMENT. ANY CONFLICTS WITH PROPOSED IMPROVEMENTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. SUNSHINE ONE CALL NUMBER: 1-800-432-4770.

CONSTRUCTION SEQUENCE

- 1. CONTRACTOR SHALL CONDUCT A PRECONSTRUCTION MEETING PRIOR TO INITIATING ANY SITE WORK. SECURE APPROVAL TO COMMENCE CONSTRUCTION FROM LEON COUNTY DEPARTMENT OF DEVELOPMENT SUPPORT AND ENVIRONMENTAL MANAGEMENT, ENVIRONMENTAL INSPECTION DIVISION.
2. CONTRACTOR SHALL DESIGNATE A STORMWATER MANAGEMENT CONTROL OFFICER AT THE PRE-CONSTRUCTION MEETING.
3. POST ALL APPLICABLE PERMIT PLACARDS. THE PERMIT PLACARDS SHALL NOT BE NAILED TO TREES.
4. FLAG OR STAKE THE PROPOSED LIMITS OF CLEARING PRIOR TO INITIATING CLEARING.
5. CONSTRUCT TREE BARRICADES OR FENCES AROUND PROTECTED TREES. CONSTRUCT SEDIMENTATION CONTROL DEVICES.
6. DESIGNATE VEHICULAR PATHWAYS WITHIN THE LIMITS OF THE SITE.
7. DESIGNATE EMPLOYEE PARKING AREAS, MATERIALS STORAGE AREAS, AND TOPSOIL STORAGE AREAS.
8. DESIGNATE REFUELING AREAS AWAY FROM THE WATER BODIES OR WATERCOURSES ONSITE.
9. CONSTRUCT STORMWATER MANAGEMENT FACILITY (GRAVEL PARKING AREA), OBTAIN APPROVAL FROM ENVIRONMENTAL INSPECTOR PRIOR TO PROCEEDING WITH OTHER SITEWORK.
10. CONSTRUCT NEW RAMP ON NORTH SIDE OF BUILDING.
11. FINAL GRADE, SOD ALL DISTURBED AREAS.
12. DEMO PARCEL NO. 11-07-20-213-000-0 UPON COMPLETION AND APPROVAL OF SITE IMPROVEMENTS FOR PARCEL NO. 11-07-20-212-000-0.
13. APPROXIMATELY TWO WEEKS PRIOR TO REQUESTING THE FINAL ENVIRONMENTAL INSPECTION, THE FOLLOWING DOCUMENTS MUST BE SUBMITTED TO THE LEON COUNTY ENVIRONMENTAL INSPECTOR FOR REVIEW:
a. RECORD DRAWINGS AND THE ENGINEER'S COMPLIANCE REPORT IN ACCORDANCE WITH THE LAND DEVELOPMENT CODE, LEON COUNTY, FLORIDA, CHAPTER 10, ENVIRONMENTAL MANAGEMENT.
b. A LEON COUNTY STORMWATER OPERATING PERMIT WILL BE PROVIDED FOR THE GRAVEL PARKING AREA.

Legend table with columns: ACP, AHU, ALUM, ALT, APPROX, BD, BLDG, BLK, BLKG, BLT, BRK, BRKR, BSMT, CJ, CLG, CLR, CMP, CMU, CO, CONG, CU, CU FT, CU IN, CU YD, DIA, DBL, DBT, DEG, DEPT, DF, DISC, DIP, DL, DN, DS, DWG, EF, FFE, ERCP, EX, EXH, EXP JT, EXT, FH, FIN, FL, FLUOR, FP, FR, FT, FTG, GALV, GB, GFI, GOVT, GRFL, GV, GYP, HC, HDG, HDPE, HDR, HDWR, HOR, H, HP, HT, HTR, HV, HVAC, HWY, ID, IN, INCAND, INCL, INSUL, INT, INV EL, JST, KD, KW, KWH, LAM, LAV, LB, LTG, LGTH, LIN, LL, LNDG, MANUF, MAX, MEG, MES, MF, MIN, MJ, MLDG, MHW, MHHW, MLW, MLLW, MSL, MOD, NTS, NO/#, OA, OC, OD, OFC, OH, OPP, PARTN, PC, PCF, PE, PERF, PERP, PL, PLG, PLYWD, PNL, PREFAB, PRELIM, PSF, PSI, PT, PVC, QS, R, RCP, RCPT, REBAR, REFRIG, REINF, RFG, RGH, RM, RO, RS, SC, SCH, SDG, SECT, SFTWD, SGD, SH, SPEC, SPR, SQ, SQ FT, SQ IN, SQ YD, SS, STL, SUB FL, SUP, SW, SYM, SYP, SYS, S4S, TBM, TCP, TEL, THK, TOB, TOC, TOS, TYP, T&G, UE, UG, UL, US, V, VBP, VCP, VENT, VERT, V, VIF, VOL, VP, VTR, W, WBT, WC, WD, WM, WP, WWF, XRMR, YD, ASBESTOS CEMENT PIPE ABOVE FINISHED FLOOR, AIR HANDLING UNIT, ALUMINUM, ALTERNATE, APPROXIMATE, BOARD, BUILDING, BLOCK, BLOCKING, BUILT, BRICK, BREAKER, BASEMENT, CONTROL JOINT, CEILING, CLEAR, CORRUGATE METAL PIPE, CONCRETE MASONRY UNIT, CLEAN OUT, CONCRETE, COPPER, CUBIC FOOT, CUBIC INCH, CUBIC YARD, DIAMETER, DOUBLE, DRY-BULB TEMPERATURE, DEGREE, DEPARTMENT, DRINKING FOUNTAIN, DISCONNECT, DUCTILE IRON PIPE, DEAD LOAD, DOWN, DOWN SPOUT, DOWN STREAM, DRAWING, EXHAUST FAN, FINISH FLOOR ELEVATION, ELLIPTICAL REINFORCED CONCRETE PIPE, EXISTING, EXHAUST, EXPANSION JOINT, EXTERIOR, FIRE HYDRANT, FINISH, FLOOR, FLUORESCENT, FIREPLACE, FIRE RATING, FOOT/FEET, FOOTING, GALVANIZED, GRADE BREAK, GROUND FAULT CIRCUIT INTERRUPT, GOVERNMENT, GROUND FLOOR, GATE VALVE, GYPSUM, HOLLOW CORE, HOT DIPPED GALVANIZED, HIGH DENSITY, POLYETHYLENE, HEADER, HARDWARE, HORIZONTAL, HORSEPOWER, HEIGHT, HEATER, HIGH VOLTAGE, HEATING, VENTILATING AND AIR CONDITIONING, HIGHWAY, INSIDE DIAMETER, INCH, INCANDESCENT, INCLUDED, INSULATION, INTERIOR, INVERT ELEVATION, JOIST, KILN DRIED, KILOWATT, KILOWATT HOUR, LAMINATED, LAVATORY, POUND, LIGHTING, LENGTH, LINEAR, LIVE LOAD, LANDING, MANUFACTURE, MAXIMUM, MEET EXISTING GRADE, MITERED END SECTION, MILL FINISH, MINIMUM, MECHANICAL JOINT, MOLDING, MEAN HIGH WATER, MEAN HIGHER HIGH WATER, MEAN LOW WATER, MEAN LOWER LOW WATER, MEAN SEA LEVEL, MODIFICATION, NOT TO SCALE, NUMBER, OVERALL, ON CENTER, OUTSIDE DIAMETER, OFFICE, OVER HEAD, OPPOSITE, PARTITION, PORTLAND CEMENT, POUNDS PER CUBIC FOOT, PROFESSIONAL ENGINEER, PERFORATE, PERPENDICULAR, PLATE, PILING, PLYWOOD, PANEL, PREFABRICATED, PRELIMINARY, POUNDS PER SQUARE FOOT, POUNDS PER SQUARE INCH, PRESSURE TREATED, POLYVINYL CHLORIDE, QUARTER SAWN, RADIUS, REINFORCED CONCRETE PIPE, RECEPTACLE, REINFORCING BAR, REFRIGERATION, REINFORCING, ROOFING, ROUGH, ROOM, ROUGH OPENING, ROUGH SAWN, SOLID CORE, SCHEDULE, SIDING, SECTION, SOFTWOOD, SLIDING GLASS DOOR, SHINGLES, SPECIFICATION, SPRUCE, SQUARE, SQUARE FOOT, SQUARE INCH, SQUARE YARD, STAINLESS STEEL, STEEL, SUBFLOOR, SUPPLY, SWITCH, SYMMETRICAL, SOUTHERN YELLOW PINE SYSTEM, SURFACED FOUR SIDES, TEMPORARY BENCHMARK, TERRA COTTA PIPE, TELEPHONE, THICK, THICKNESS, TOP OF BANK, TOP OF CURB, TOE OF SLOPE, TYPICAL, TONGUE-AND-GROOVE, UNDERGROUND ELECTRIC, UNDER GROUND, UNDERWRITERS LABORATORIES, INC, UPSTREAM, VOLT, VALVE BOX, VITRIFIED CLAY PIPE, VENTILATOR, VERTICAL, VERIFY IN FIELD, VOLUME, VENT PIPE, VENT THRU ROOF, WATER, WET BULB TEMPERATURE, WATER CLOSET, WOOD, WATER METER, WATERPROOF, WELDED WIRE FABRIC, TRANSFORMER, YARD

LEGEND

Legend table with columns: TOPOGRAPHY, DEMOLITION, EROSION & SEDIMENT CONTROL, PAVING, DRAINAGE, UTILITIES. Includes symbols for contours, demolition limits, silt fences, paving types, manholes, and utilities.

CALL 2 BUSINESS DAYS BEFORE YOU DIG IT'S THE LAW! DIAL 811 Know what's below. Call before you dig. SUNSHINE STATE ONE CALL OF FLORIDA, INC.

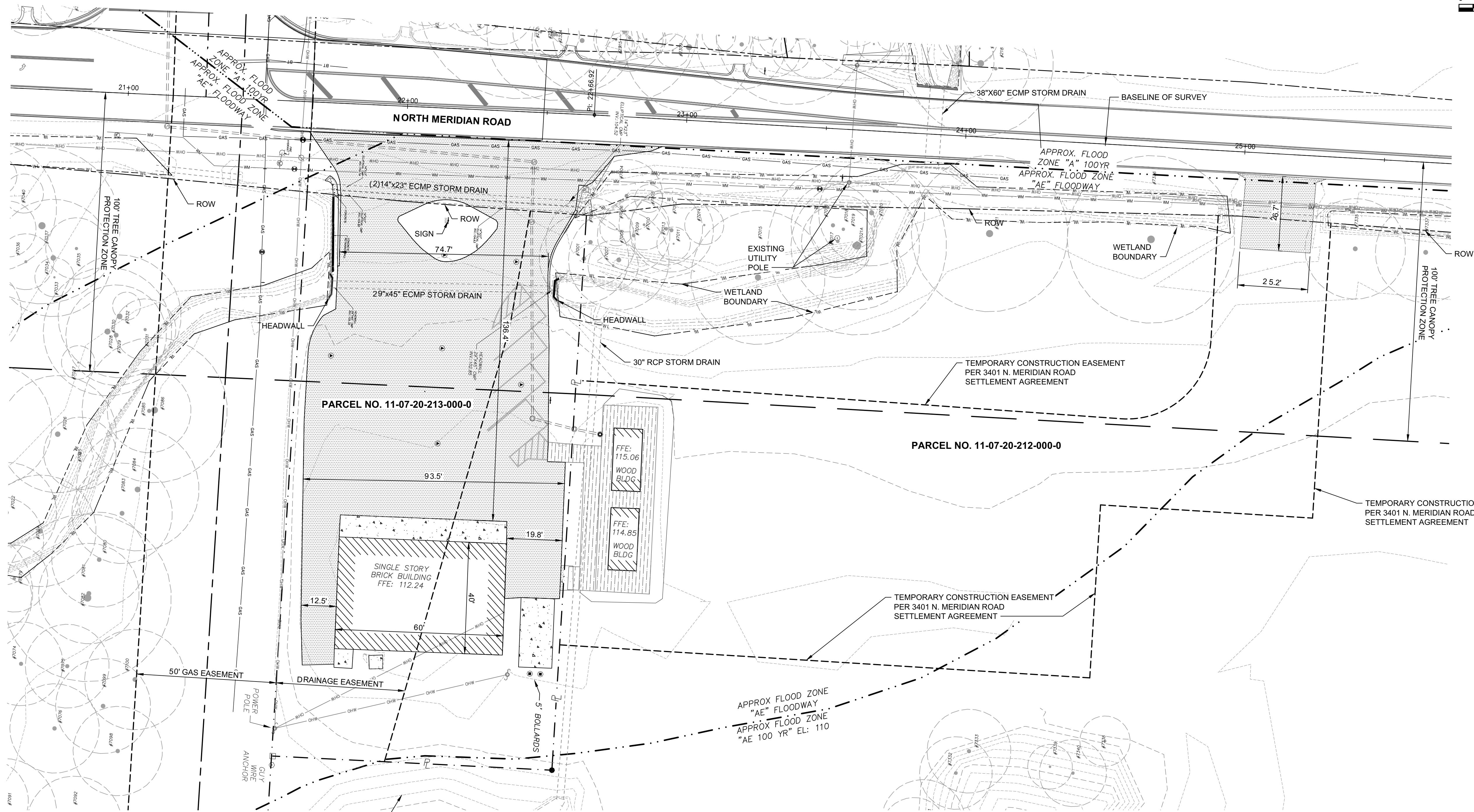
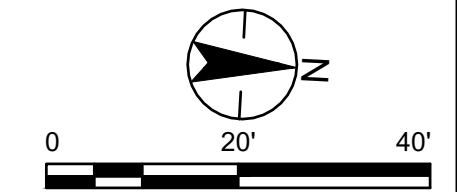
Revision table with columns: Revision, By, Appr., Date. Includes entries for Y1/AM/DD, ASAP PERMIT, and ISSUED.

Client/Project: LEON COUNTY PUBLIC WORKS DEPARTMENT. CURB AND DRAINAGE IMPROVEMENTS. Chris E. Brockmeier, Professional Engineer, State of Florida, Registration No. 56859. Project Number: 215613796. Drawing No. G-001. Revision Sheet.



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Revision	By	Appr.	Y/M/AM/DD
1	ASAP PERMIT		18.09.07
			Y/M/AM/DD

Client/Project
LEON COUNTY
PUBLIC WORKS DEPARTMENT
MERIDIAN ROAD
DRAINAGE IMPROVEMENTS
TALLAHASSEE, FL

EXISTING CONDITIONS PLAN

Project Number: 215613796
File Name: 13796-02-C100

JG	CEB	AIM	18.09.07
Dwn	Chkd.	Dsgn.	Y/M/AM/DD

Drawing No. C-100
Revision Sheet

0 of

Legend

	Wooden Deck/Ramp
	Concrete Pad
	Existing Asphalt Pavement
	Existing Building

Existing Impervious Area		
Category	Parcel No. 11-07-20-213-000-0	Parcel No. 11-07-20-212-000-0
Asphalt Pavement (sf)	12,495	677
Wooden Deck/Ramp (sf)	58	1,218
Building (sf)	2,396	456
Concrete Pads (sf)	880	0
Total Area(sf)	15,829	2,351

PROJECT BENCHMARKS				
BM No.	Easting	Northing	Elevation	Description
1	2038313.3583'	545469.7286'	106.65'	BM SITE BOX CUT IN HEADWALL
2	2038646.4561'	546612.3339'	115.41'	FCM 4"X4" NO ID
3	2038530.3662'	545595.7018'	106.88'	FCM 4"X4" PRM 5051

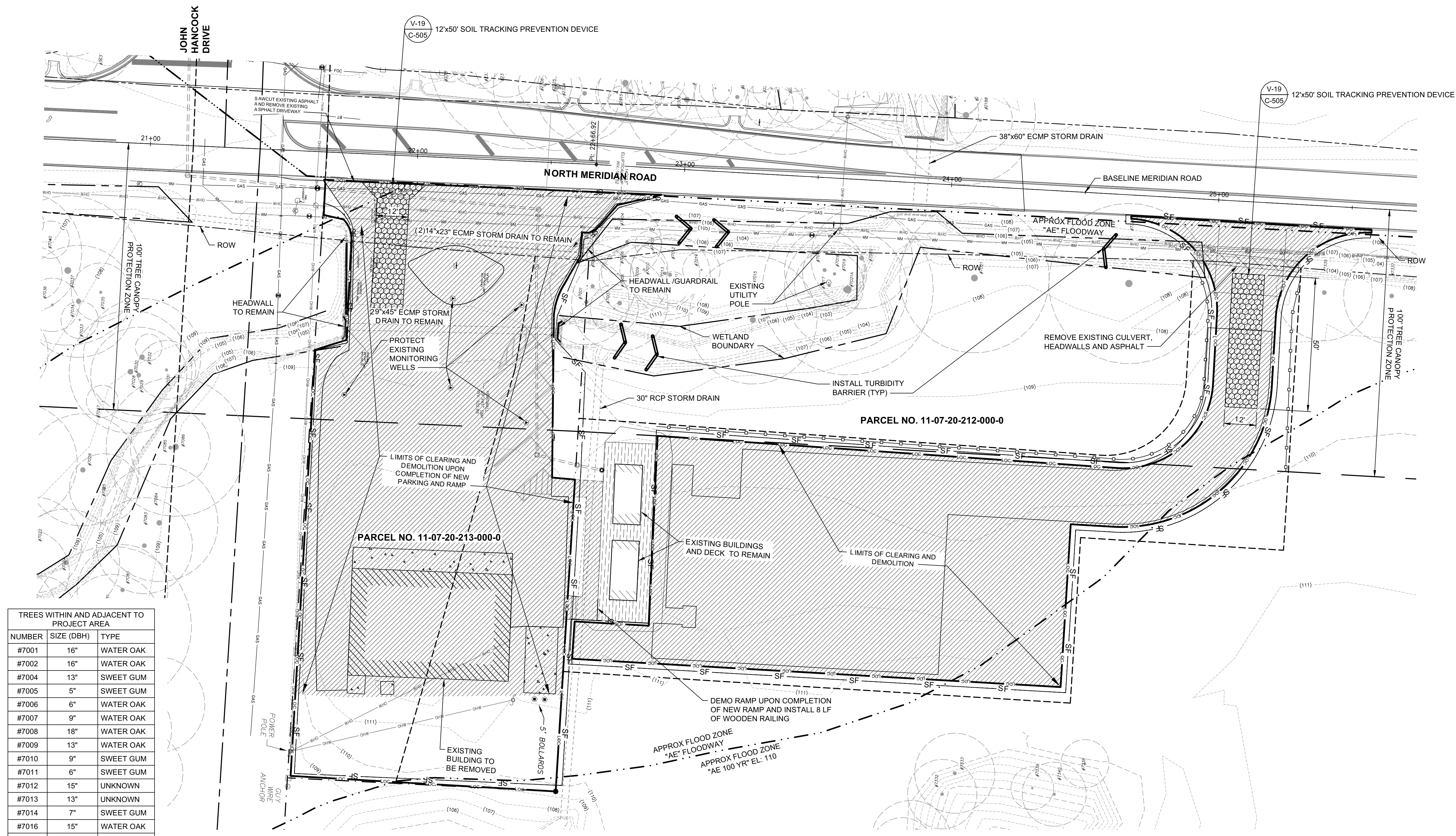
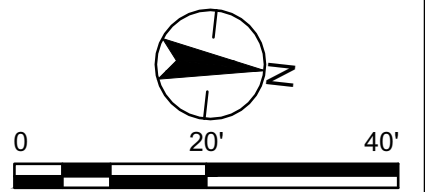


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TREES WITHIN AND ADJACENT TO PROJECT AREA		
NUMBER	SIZE (DBH)	TYPE
#7001	16"	WATER OAK
#7002	16"	WATER OAK
#7004	13"	SWEET GUM
#7005	5"	SWEET GUM
#7006	6"	WATER OAK
#7007	9"	WATER OAK
#7008	18"	WATER OAK
#7009	13"	WATER OAK
#7010	9"	SWEET GUM
#7011	6"	SWEET GUM
#7012	15"	UNKNOWN
#7013	13"	UNKNOWN
#7014	7"	SWEET GUM
#7016	15"	WATER OAK
#7017	13"	WATER OAK
#7018	12"	WATER OAK
#7019	23"	SWEET GUM
#7020	19"	SWEET GUM
#7021	28"	WATER OAK
#7335	18"	WATER OAK
#7337	18"	WATER OAK

- NOTES:
- GOODWILL OWNS AND WILL USE ITS OWN REAR-LOADING, SOLID WASTE CONTAINER TRANSPORT TRUCK FOR THIS FACILITY, AND ACCESS WILL BE LIMITED TO AFTER BUSINESS HOURS OR OTHER TIMES THAT ACCESS WILL NOT CONFLICT WITH EXISTING PARKED VEHICLES, AS DETERMINED BY GOODWILL. NORMAL BUSINESS HOURS ARE MONDAY-SUNDAY, 8 A.M. - 6-P.M.
 - SITE LIGHTING IS PROVIDED ON THE SIDES OF THE BUILDINGS IN ACCORDANCE WITH THE LEON COUNTY LAND DEVELOPMENT CODE AND SHALL NOT BE DIRECTED TO SHINE ON OFF-SITE PROPERTIES.
 - DECK /RAMP CONSTRUCTED AROUND BUILDINGS SHALL HAVE MINIMUM 1/4" SPACING BETWEEN DECK BOARDS.
 - DEVELOPMENT ACTIVITY IN THIS APPLICATION IS LIMITED TO THE AREA SHOWN HEREON. ACTIVITY ON THE PARCEL TO THE SOUTH SHALL BE LIMITED TO DEMOLITION AND REMOVAL OF EXISTING PAVED AREAS, BUILDING, AND OTHER EXISTING IMPROVEMENTS (DUMPSTER PAD, ETC).
 - THE HOURS OF OPERATIONS SHALL BE CLEARLY POSTED ON THE ENTRANCE SIGN.
 - THE ENTRANCE SIGN SHALL ALSO PROVIDE LANGUAGE PROHIBITING DONATED ITEMS FROM BEING DROPPED OFF AFTER BUSINESS HOURS.
 - PROTECT ALL MONITORING WELLS ON-SITE.
 - SOD, PIM, AND PROVIDE TEMPORARY IRRIGATION ON ALL DISTURBED AREAS.

Revision	By	Appr.	Y/M/AM/DD
1	ASAP PERMIT		18.09.07
			Y/M/AM/DD

Client/Project
LEON COUNTY
PUBLIC WORKS DEPARTMENT
MERIDIAN ROAD
DRAINAGE IMPROVEMENTS
TALLAHASSEE, FL

Seal
CHRIS E. BROCKMEIER
PROFESSIONAL ENGINEER
FL REGISTERED NO. 66859

Chris E. Brockmeier
FL REGISTERED NO. 66859

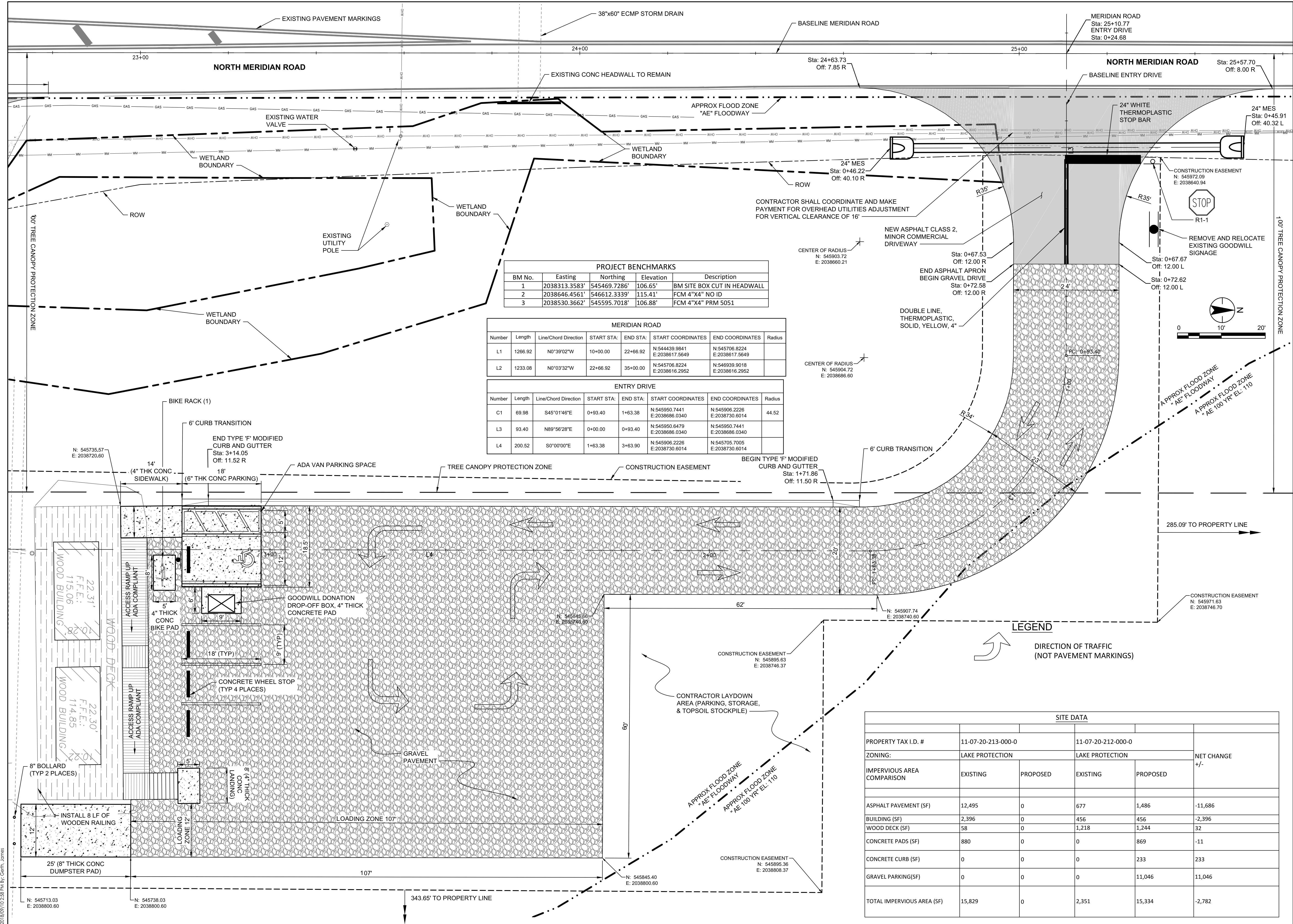
Project Number: 215613796
File Name: 13796-02-C101

JG	CEB	AIM	18.09.07
Dwn	Chkd.	Dsgn.	Y/M/AM/DD

Drawing No. **C-101**
Revision Sheet

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28/09/18 2:28 PM By: Cein_2018

Revision	By	Appr.	Date
1	ASAP PERMIT	18.09.07	YYMMDD
2	ASAP PERMIT	18.09.07	YYMMDD



Client/Project
 LEON COUNTY
 PUBLIC WORKS DEPARTMENT
 MERIDIAN ROAD
 DRAINAGE IMPROVEMENTS

Seal
 CHRIS E. BROCKMEIER
 PROFESSIONAL ENGINEER
 FL Registration No. 66859

Project Number: 215613796
 File Name: 8796-02-C102

Drawing No. **C-102**
 Revision Sheet

SITE DATA

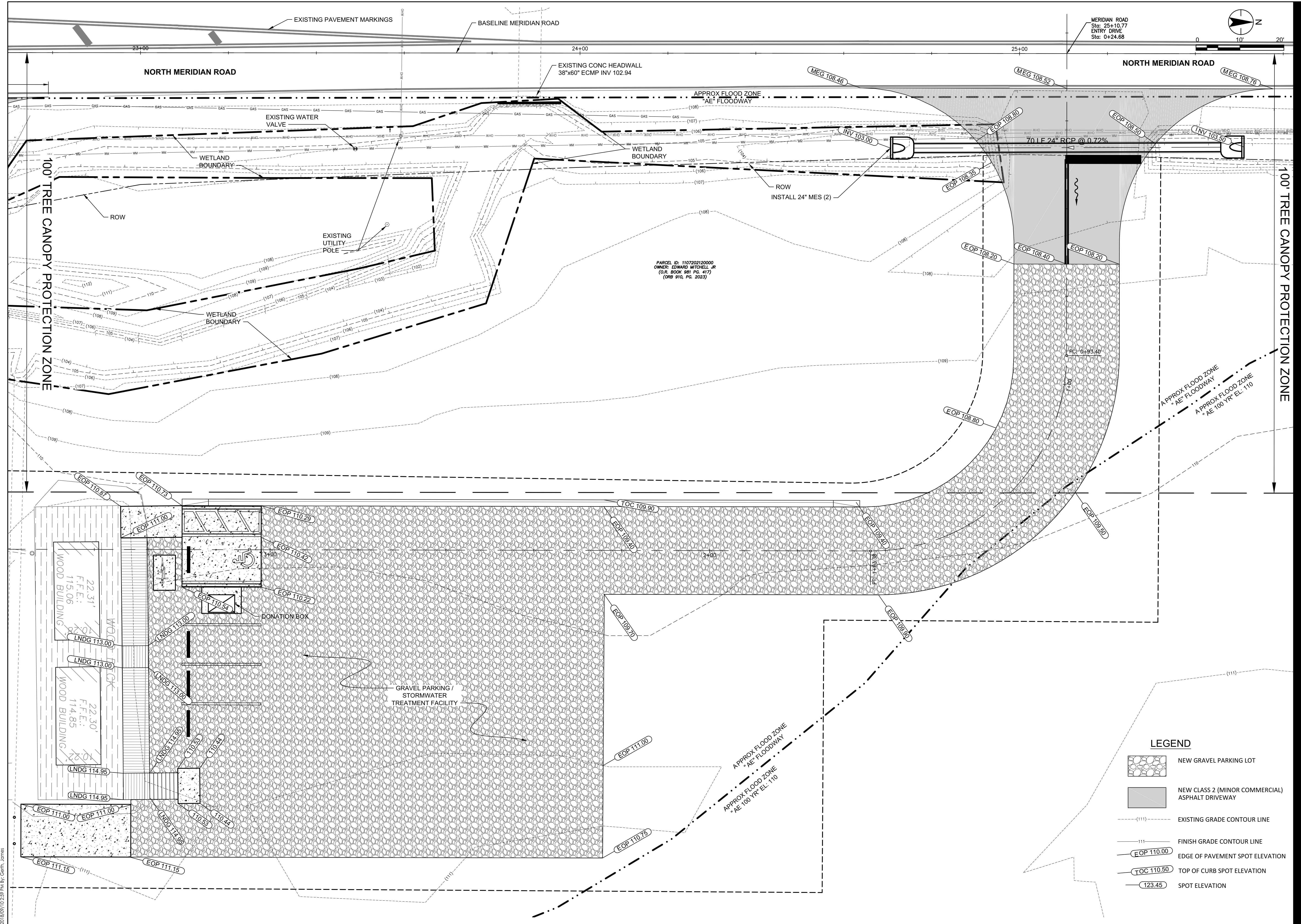
	11-07-20-213-000-0		11-07-20-212-000-0		NET CHANGE +/-
	EXISTING	PROPOSED	EXISTING	PROPOSED	
PROPERTY TAX I.D. #	11-07-20-213-000-0		11-07-20-212-000-0		
ZONING:	LAKE PROTECTION		LAKE PROTECTION		
IMPERVIOUS AREA COMPARISON	EXISTING	PROPOSED	EXISTING	PROPOSED	
ASPHALT PAVEMENT (SF)	12,495	0	677	1,486	-11,686
BUILDING (SF)	2,396	0	456	456	-2,396
WOOD DECK (SF)	58	0	1,218	1,244	32
CONCRETE PADS (SF)	880	0	0	869	-11
CONCRETE CURB (SF)	0	0	0	233	233
GRAVEL PARKING(SF)	0	0	0	11,046	11,046
TOTAL IMPERVIOUS AREA (SF)	15,829	0	2,351	15,334	-2,782

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 ORIGINAL SHEET - ANSI D



2316 Kilbuck Center Blvd., Suite 102
TALLAHASSEE, FL 32309
www.stantec.com C.A. No. 27013

The Contractor shall verify and be responsible for all dimensions, quantities, and other data shown on these drawings. The Contractor shall be responsible for all dimensions, quantities, and other data shown on these drawings. The Contractor shall be responsible for all dimensions, quantities, and other data shown on these drawings.



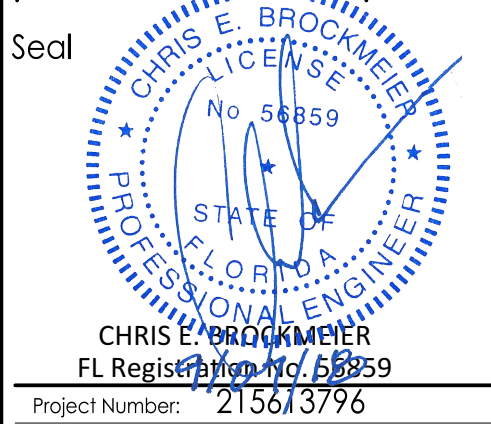
PARCEL ID: 1107202120000
OWNER: EDWARD MITCHELL JR
(OR BOOK 981 PG. 417)
(OR 910, PG. 2023)

LEGEND

- NEW GRAVEL PARKING LOT
- NEW CLASS 2 (MINOR COMMERCIAL) ASPHALT DRIVEWAY
- EXISTING GRADE CONTOUR LINE
- FINISH GRADE CONTOUR LINE
- EDGE OF PAVEMENT SPOT ELEVATION
- TOP OF CURB SPOT ELEVATION
- SPOT ELEVATION

Revision	By	Appr.	Y/M/AM/DD
1	ASAP PERMIT	18.09.07	YY/MM/DD
			ISSUED

Client/Project
LEON COUNTY
PUBLIC WORKS DEPARTMENT
MERIDIAN ROAD
DRAINAGE IMPROVEMENTS
TALLAHASSEE, FL



Project Number: 215613796
File Name: 13796-02-C103

JG	CEB	AIM	18.09.07
Dwn	Chkd	Dsgn	YY/MM/DD

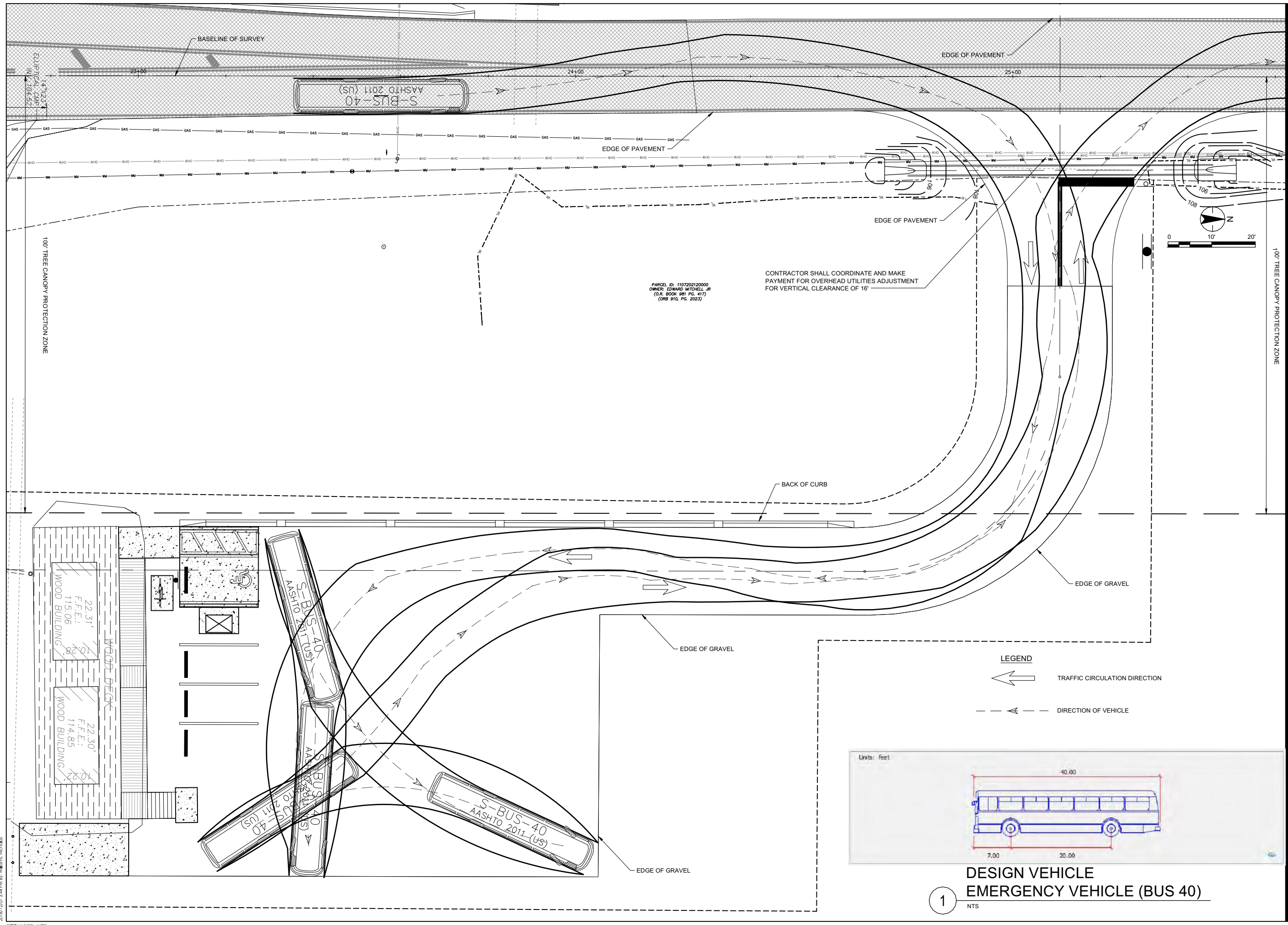
Drawing No. C-103
Revision Sheet

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20/09/18 2:28 PM By: Cebrin_2018



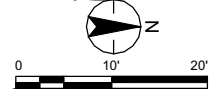
2315 Wilcox Center Blvd., Suite 102
 TALLAHASSEE, FL 32309
 www.stantec.com C.A. No. 27013

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. Any errors or omissions shall be reported to Stantec without delay. The Contractor shall make all necessary adjustments to the design. The design is based on the information provided. The Contractor shall coordinate and make payment for overhead utilities adjustment for vertical clearance of 16'. Copyright © 2023 Stantec. All rights reserved. Stantec, Stantec logo and other marks are trademarks of Stantec. S. 18.12.07



PARCEL ID: 1107202120000
 OWNER: EDWARD MITCHELL, JR
 (C.R. BOOK 981 PG. 473)
 (ORB 910, PG. 2023)

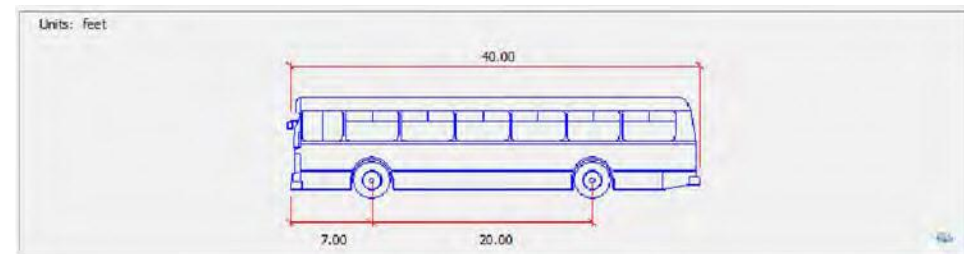
CONTRACTOR SHALL COORDINATE AND MAKE PAYMENT FOR OVERHEAD UTILITIES ADJUSTMENT FOR VERTICAL CLEARANCE OF 16'



LEGEND

← TRAFFIC CIRCULATION DIRECTION

- - - DIRECTION OF VEHICLE



DESIGN VEHICLE
EMERGENCY VEHICLE (BUS 40)

1
 NTS

US: 13796-02-C-105.dwg
 2023/12/07 3:44 PM By: MICHAEL NICHOLS
 Group: User_113796-02-C-105.dwg

Revision	By	Appd.
1	ASAP/FEM/MI	18.12.07
	By	Appd.
		TYAM/MD

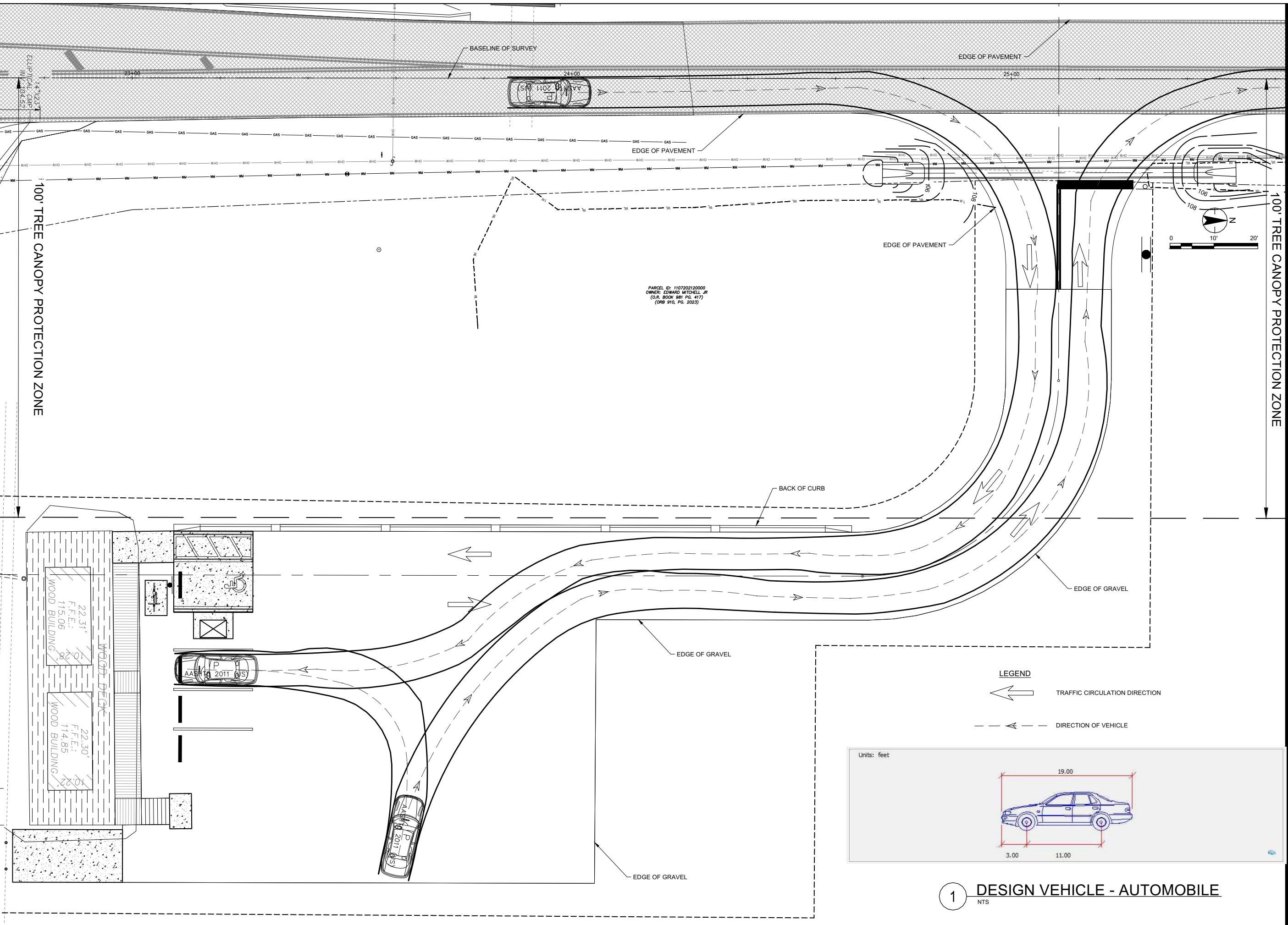
ISSUED

Client/Project
 LEON COUNTY
 PUBLIC WORKS DEPARTMENT
 MERIDIAN ROAD
 DRAINAGE IMPROVEMENTS
 TALLAHASSEE, FL

Seal

CHRIS E. BROCKMEIER
 FL Registration No. 56859
 Project Number: 215613796
 File Name: 13796-02-C-105

JG	CEB	AM	18.12.07
Dwn.	Chkd.	Drn.	TYAM/MD
Drawing No.	C-105		
Revision	Sheet		

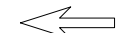



PARCEL ID: 1107202120000
OWNER: EDWARD MITCHELL, JR.
(D.R. BOOK 981 PG. 417)
(ORB 910, PG. 2023)

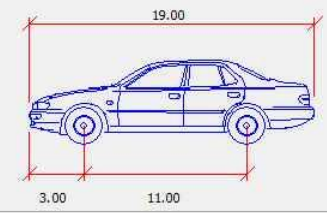
100' TREE CANOPY PROTECTION ZONE

100' TREE CANOPY PROTECTION ZONE

LEGEND

-  TRAFFIC CIRCULATION DIRECTION
-  DIRECTION OF VEHICLE

Units: feet

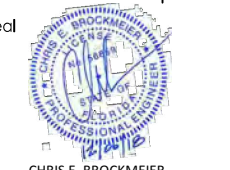


1 DESIGN VEHICLE - AUTOMOBILE
NTS

Revision	By	Appd.	Y/M/DA
			TYAM/DD

Issued	By	Appd.	Y/M/DA
			18/12/07
			TYAM/DD

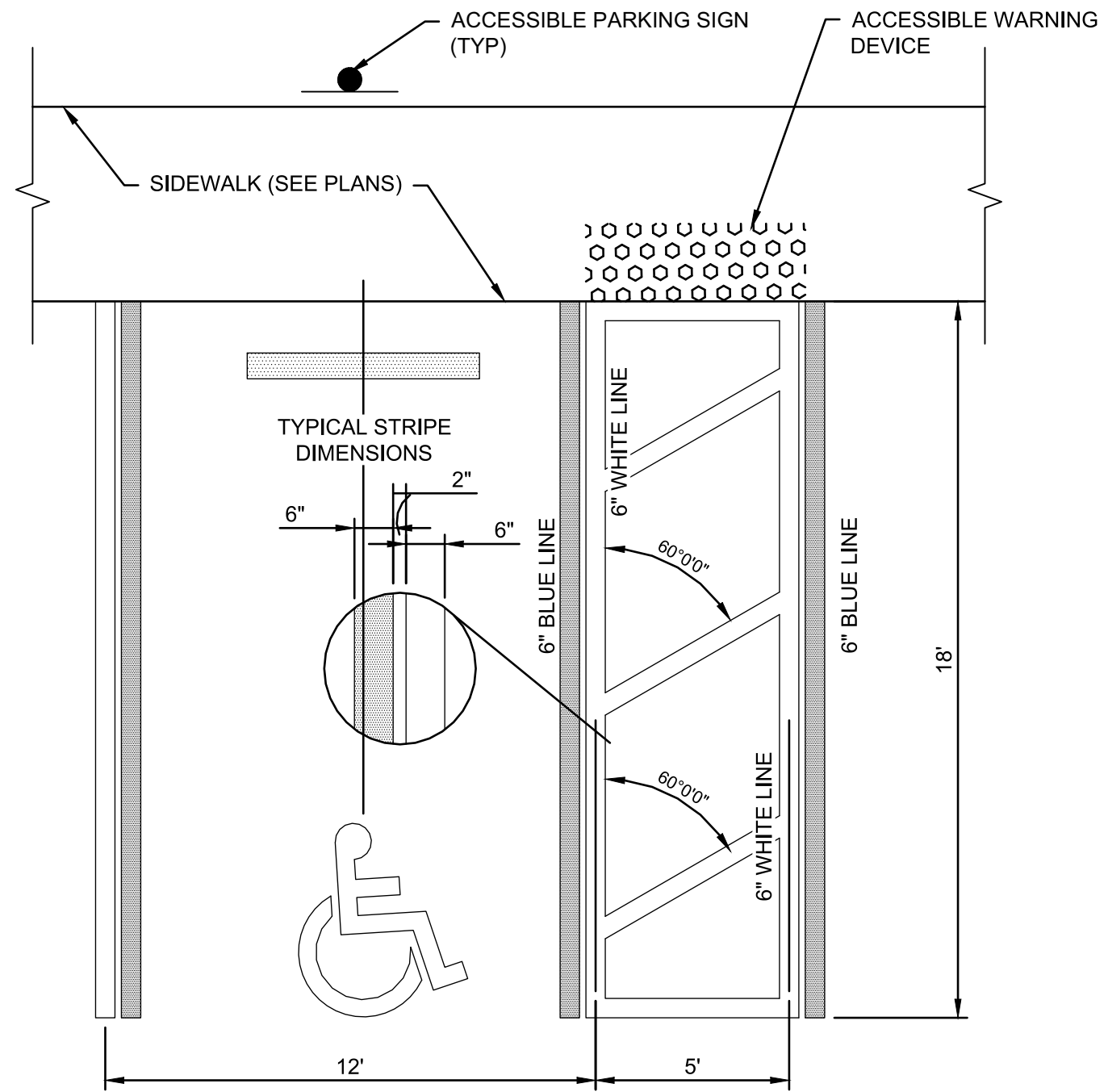
Client/Project
LEON COUNTY
PUBLIC WORKS DEPARTMENT
MERIDIAN ROAD
DRAINAGE IMPROVEMENTS
TALLAHASSEE, FL



CHRIS E. BROCKMEIER
FL Registration No. 56859
Project Number: 215613796
File Name: 13796-02-C106

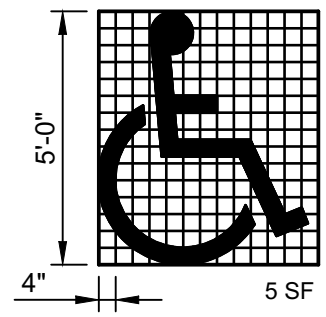
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Dwn.	Chkd.	Dgnd.	Y1/AM/DD
Drawing No.	C-106		
Revision	Sheet		

Revision	By	Appr.	Date
1	ASAP PERMIT	YYMMDD	18.09.07
			ISSUED



FINE
\$250 MAX
FTP - 22-06

VAN ACCESSIBLE



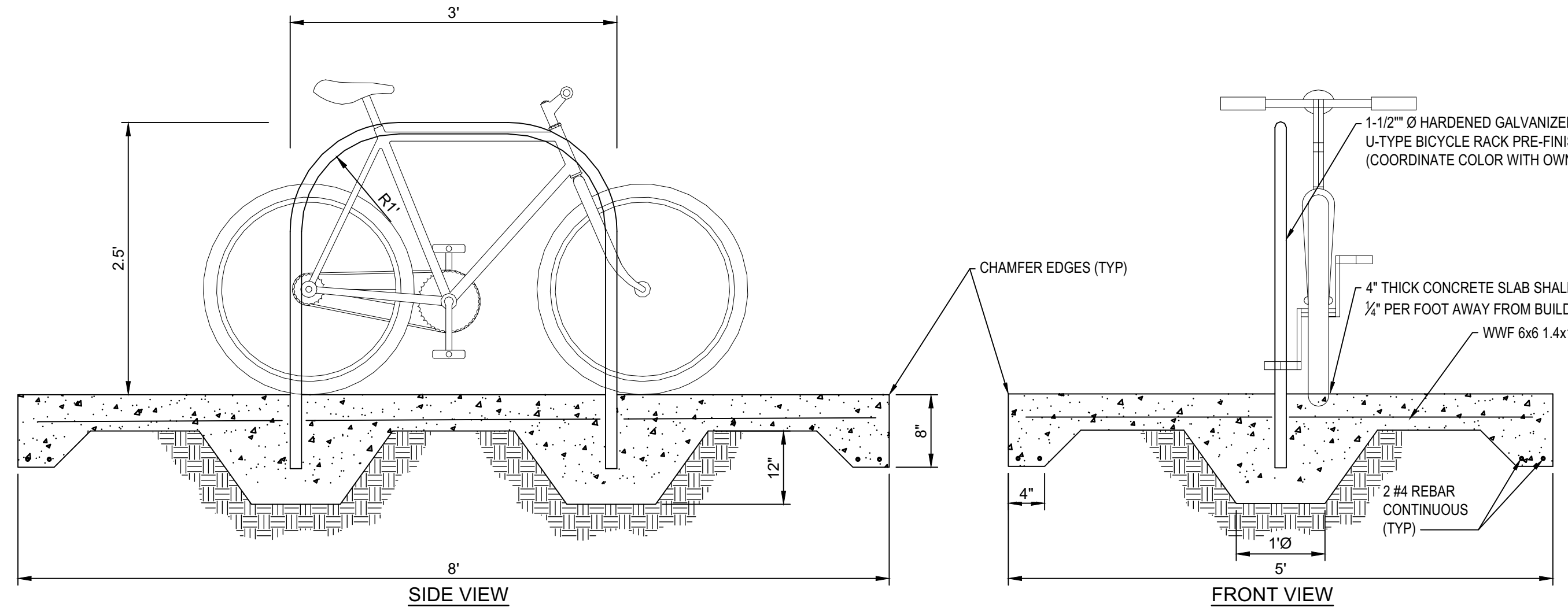
USE OF PAVEMENT SYMBOL IN ACCESSIBLE PARKING SPACES IS OPTIONAL. WHEN USED THE SYMBOL SHALL BE 5' HIGH AND WHITE IN COLOR

CONTRACTOR TO CONTACT LOCAL AUTHORITIES FOR PARKING FINE AMOUNT.

ACCESSIBLE PARKING SIGNS
STANDARD AND ACCESSIBLE SPACES
W/ CURB AND SIDEWALK

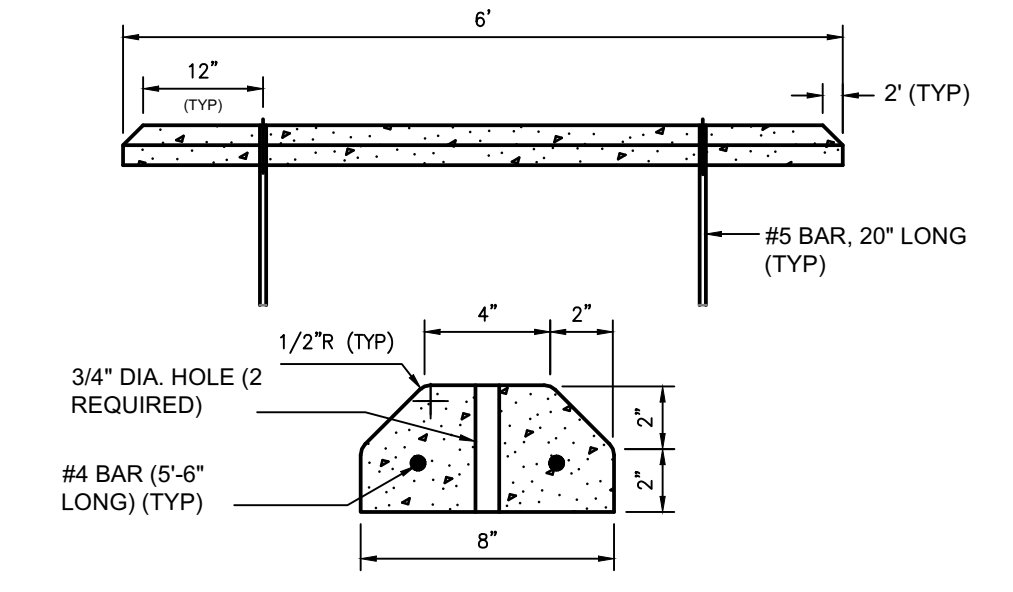
1 TYPICAL VAN ACCESSIBLE PARKING SPACE DETAIL

NTS



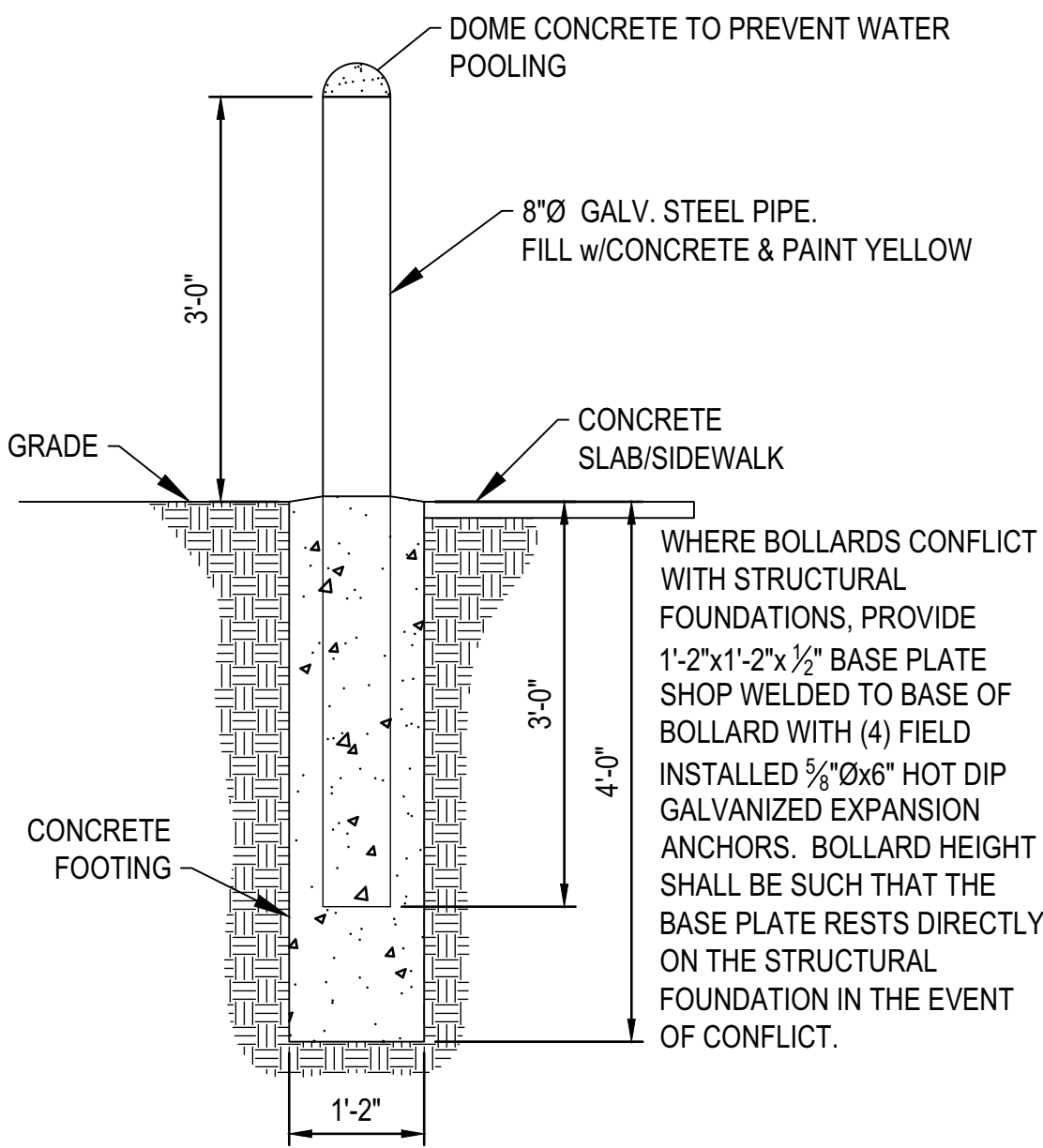
7 U-TYPE BICYCLE RACK

NTS



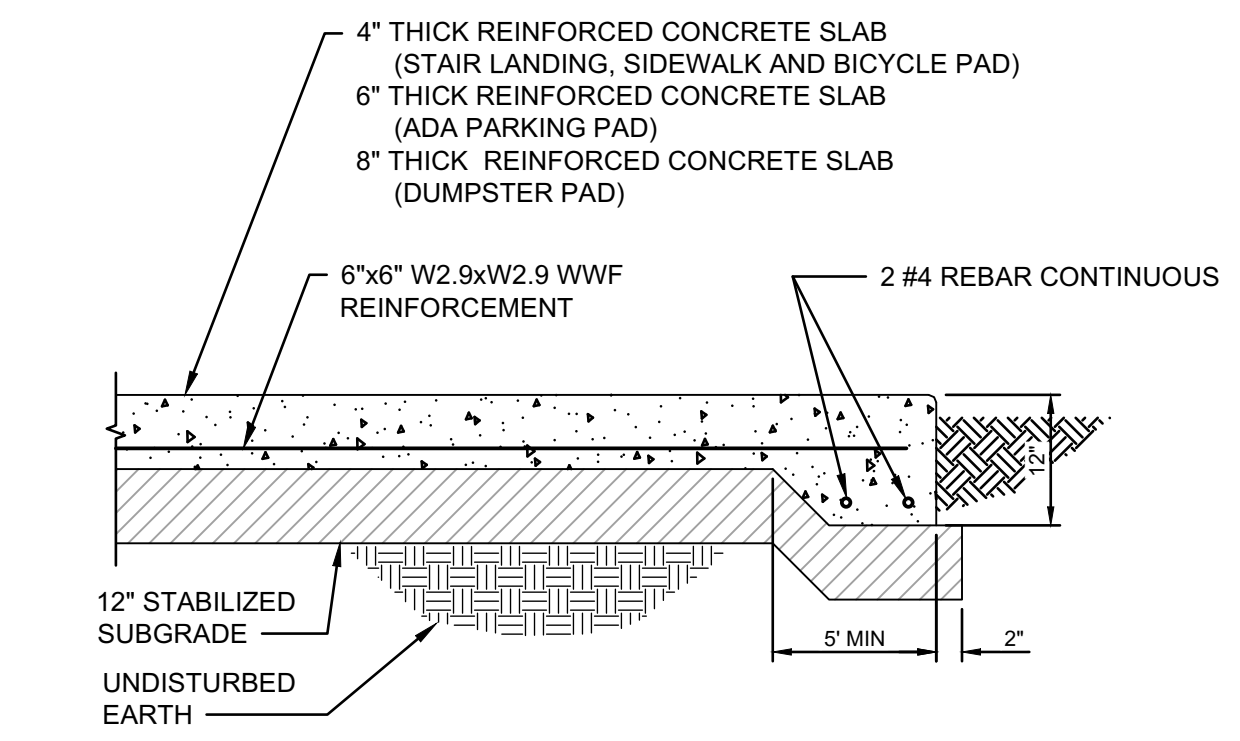
2 TYPICAL PRECAST CONCRETE WHEEL STOP

NTS



4 FIXED BOLLARD

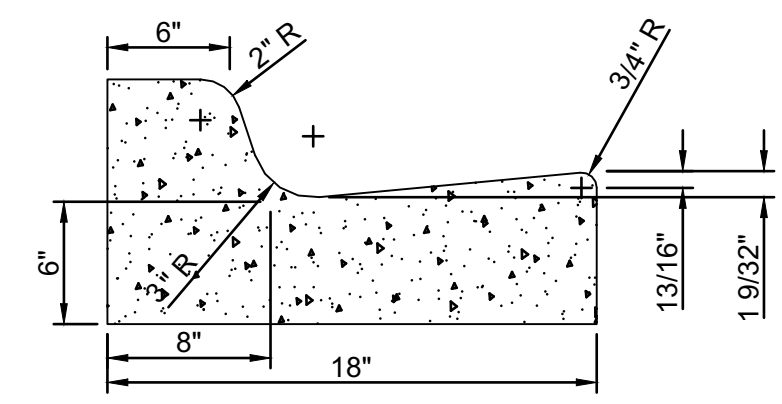
NTS



- NOTES:
- CONTRACTOR SHALL INSTALL 12" OF STABILIZED SUBGRADE SURFACE MINIMUM CBR 35 OR MINIMUM LBR OF 60 COMPACTED AT 100% OF MODIFIED PROCTOR (ASTM D-1557) UNDER ALL CONCRETE PAVING
 - CONCRETE SHALL HAVE 4,000 PSI AT 28 DAYS
 - FIBER-MESH REINFORCEMENT IN CONCRETE MIX PER MANUFACTURER'S SPECIFICATIONS.

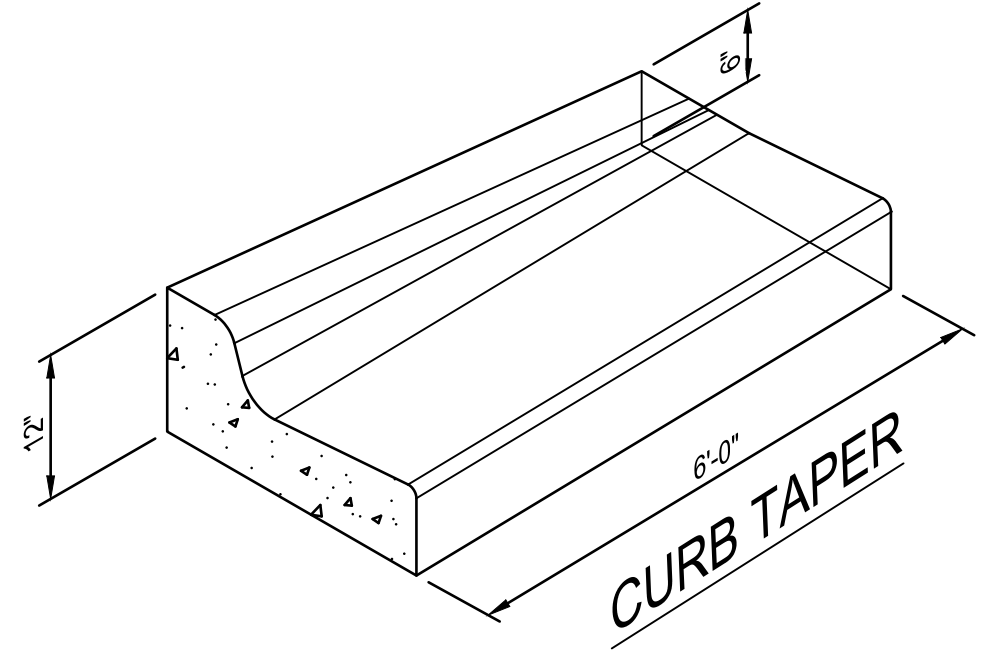
3 CONCRETE PAVEMENT

NTS



5 TYPE 'F' MODIFIED CURB AND GUTTER

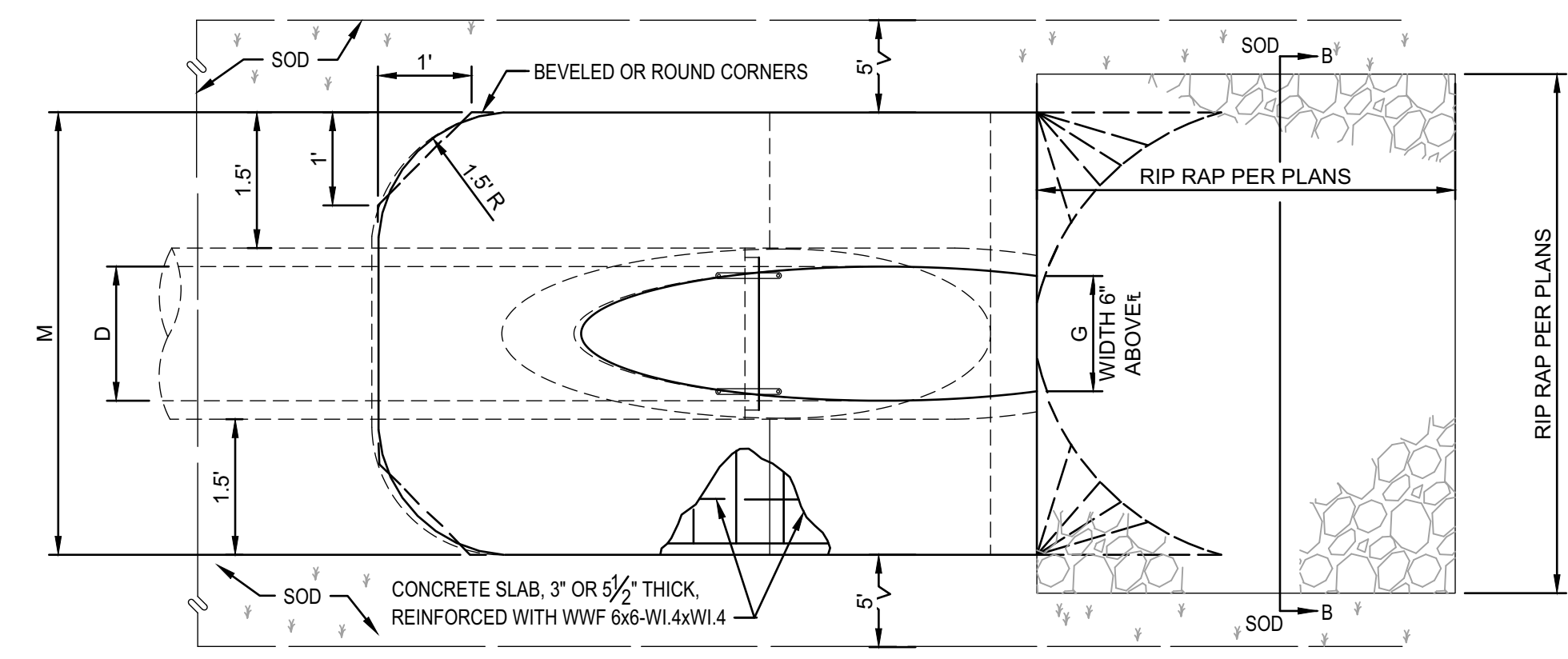
NTS



6 CONCRETE CURB TAPER

NTS

DIMENSIONS AND QUANTITIES													
D	X	A	B	C	E	F	G	H	M SINGLE	M DOUBLE	N	5 1/2" CONCRETE SLAB (CY)	SODDING
24"	3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	4.0'	5.50'	8.92'	1.25'	0.85	28



8 MITERED END SECTION

NTS

Client/Project
LEON COUNTY
PUBLIC WORKS DEPARTMENT
MERIDIAN ROAD
DRAINAGE IMPROVEMENTS
TALLAHASSEE, FL

CIVIL DETAILS

CHRISTOPHER BROCKMEIER
FL Registration No. 36859

Project Number: 216613796
File Name: 13796-02-C501

JG	CEB	AIM	18.09.07
Dwn	Chkd	Dsgn	YYMMDD

Drawing No. C-501
Revision Sheet

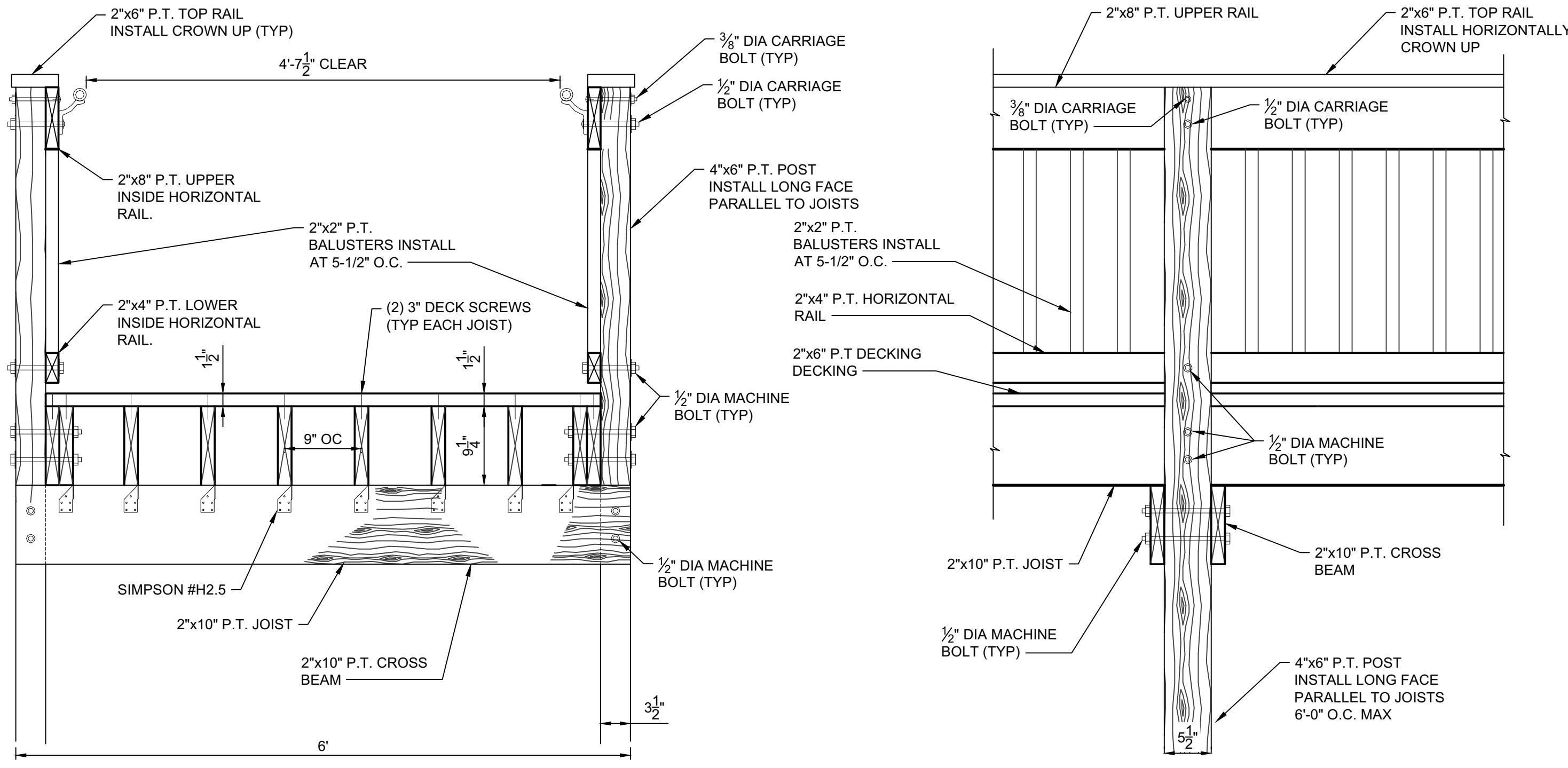
Revision	By	Appd.	Date
1	ASAP PERMIT		18.09.07
		YJAM/DD	
		YJAM/DD	

Client/Project
LEON COUNTY
 PUBLIC WORKS DEPARTMENT
 MERIDIAN ROAD
 DRAINAGE IMPROVEMENTS
 TALLAHASSEE, FL

Scal
CHRIS E. BROCKMEIER
 LICENSE
 No. 56859
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

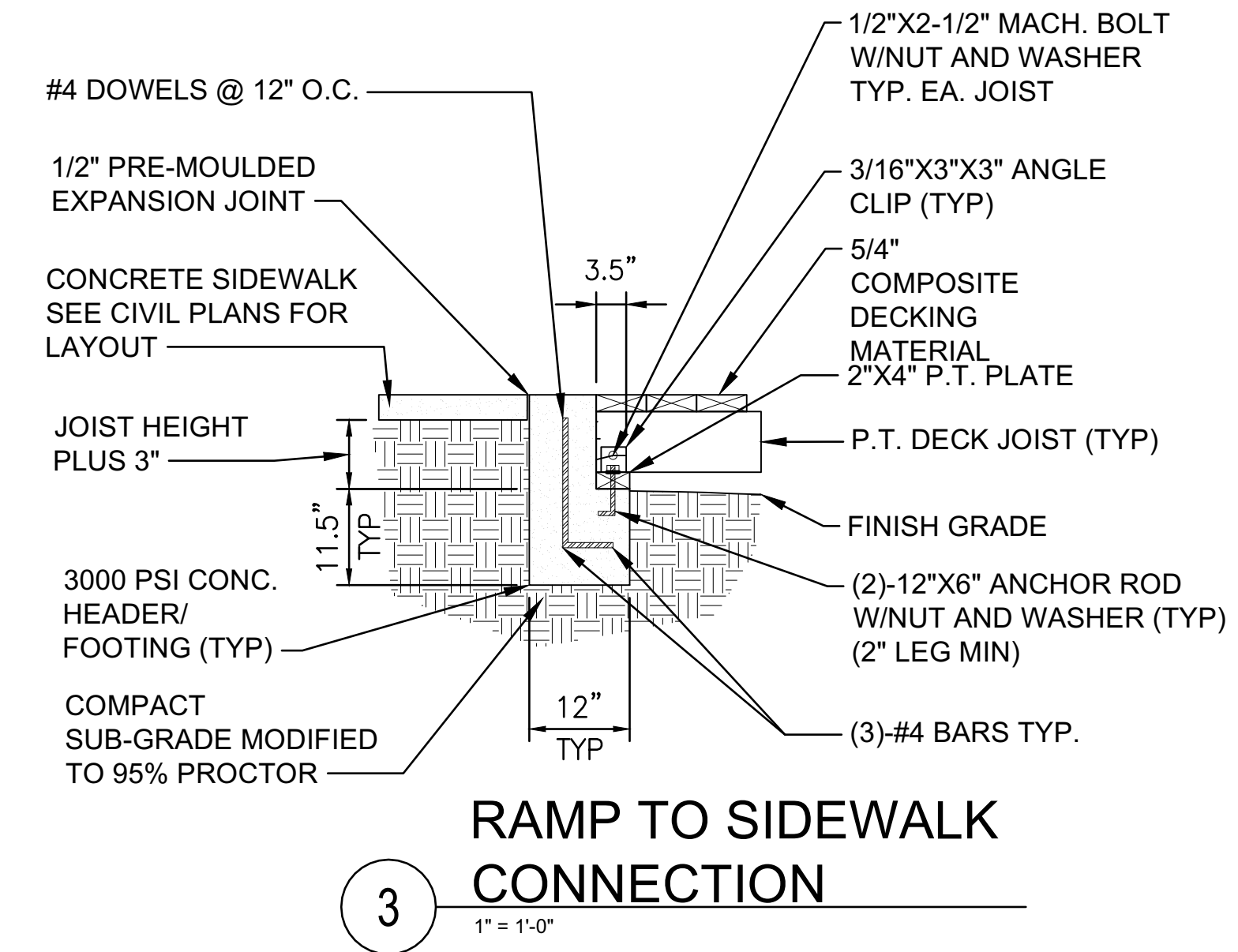
CHRIS E. BROCKMEIER
 FL Registration No. 56859
 Project Number: 213613796
 File Name: 213613796-C502-ADA RAMP DETAILS

JG CEB AIM 18.09.07
 Dwn. Chkd. Dgrn. YJAM/DD
 Drawing No. **C-502**
 Revision Sheet
 0 of

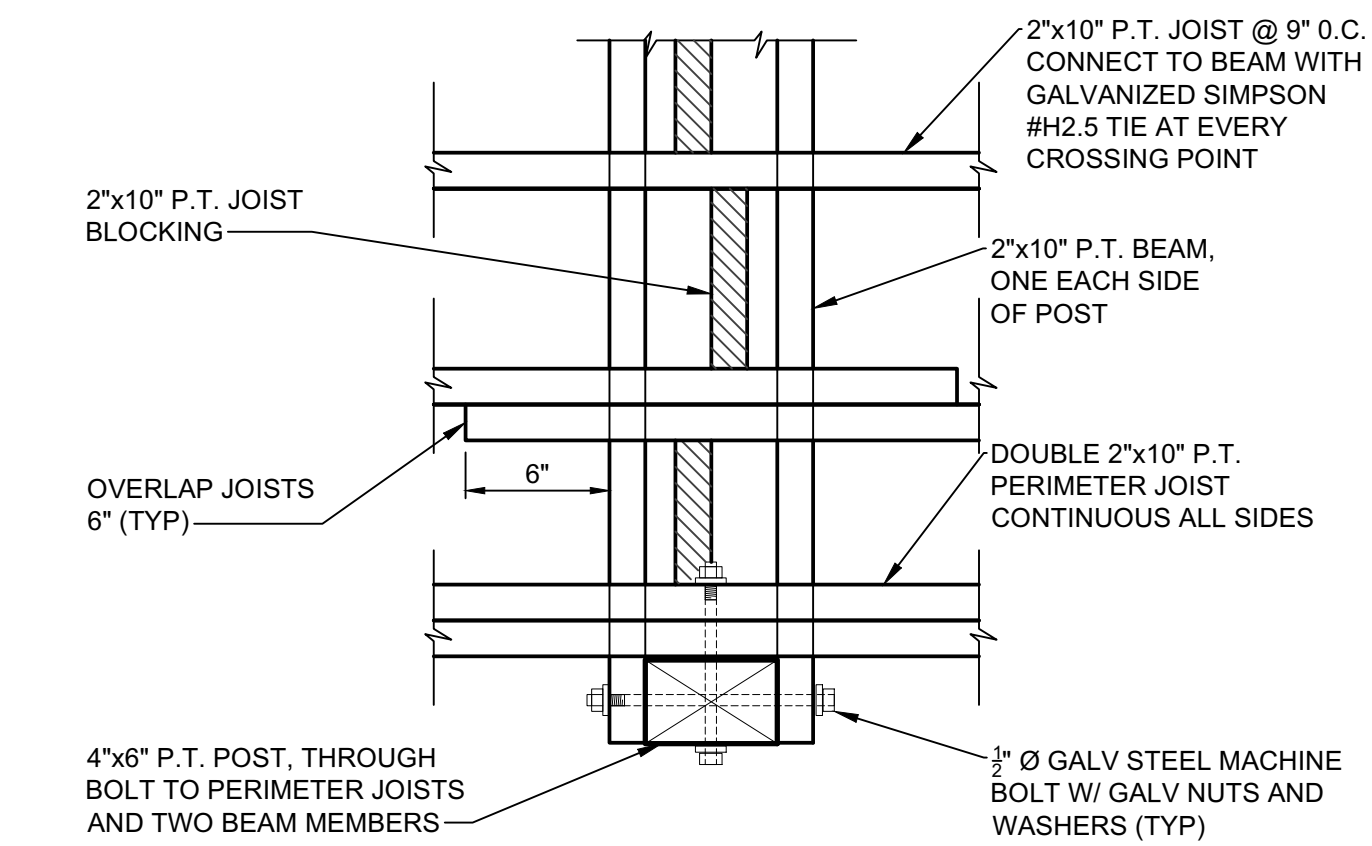


1
 ADA ACCESS RAMP WITH
 HANDRAIL - SECTION
 1" = 1'-0"

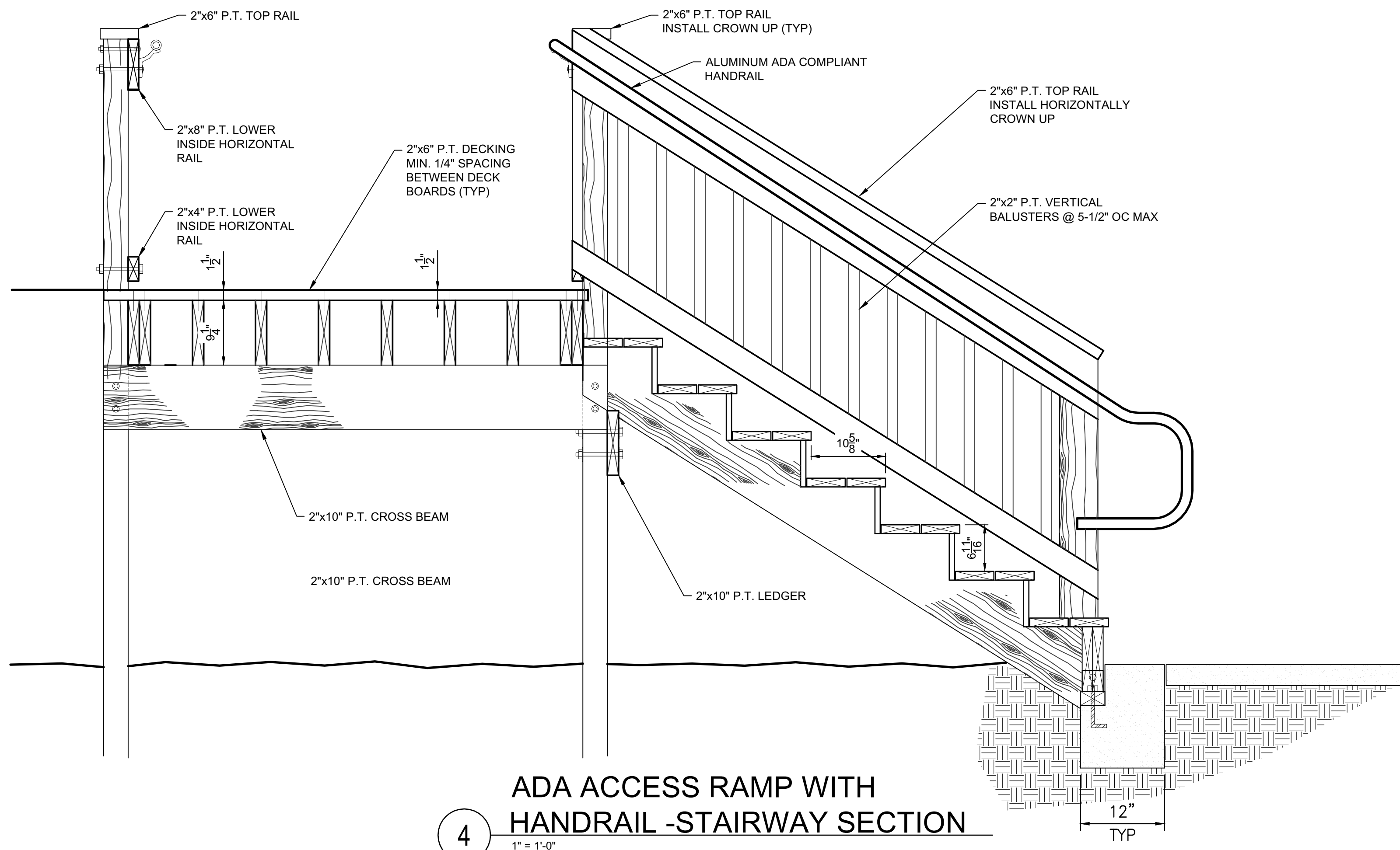
2
 ADA ACCESS RAMP WITH
 HANDRAIL - ELEVATION
 1" = 1'-0"



3
 RAMP TO SIDEWALK
 CONNECTION
 1" = 1'-0"



5
 POST TO BEAM
 CONNECTION DETAIL
 1-1/2" = 1'-0"



4
 ADA ACCESS RAMP WITH
 HANDRAIL - STAIRWAY SECTION
 1" = 1'-0"

GENERAL BOARDWALK CONSTRUCTION NOTES AND SPECIFICATIONS

- TREATED WOODS:**
 ALL WOOD SHALL BE PRESERVATIVE TREATED (P.T.) WITH 0.60 LB/CF OF ALKALINE COPPER QUATERNARY (ACQ), COPPER AZOLE (CA), OR APPROVED EQUAL.
- LUMBER AND TIMBER GRADES AND STANDARDS:**
 BEAMS, JOISTS AND POSTS SHALL BE:
 SOUTHERN PINE NO. 2 OR BETTER
 BOARDS SHALL CONFORM TO THE SOUTHERN PINE INSPECTION BUREAU "STANDARD GRADING RULES", CURRENT EDITION.
 ALL LUMBER AND TIMBER SHALL BE DRESSED, PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS.
 MOISTURE CONTENT: SHALL NOT EXCEED 19% UPON SITE DELIVERY.
LUMBER REQUIREMENTS

NOMINAL SIZE	BENDING STRESS F _b (PSI)	MODULUS OF ELASTICITY E (PSI)
2" x 6"	1000	1.4 x 10 ⁶
4" x 6"	1000	1.4 x 10 ⁶
2" x 10"	800	1.4 x 10 ⁶
- MOUNTING HARDWARE, FASTENERS AND HANGERS:**
 ALL HARDWARE AND FASTENERS SHALL BE GALVANIZED STEEL.
 FABRICATED HANGERS AND CONNECTORS: ALL FABRICATED HANGERS AND CONNECTORS SHALL BE GALVANIZED STEEL.
 SCREWS: WHERE SPECIFIED FOR DECKING INSTALLATION SHALL BE R4, MULTI-PURPOSE. R4 SCREWS FOR DECKING INSTALLATION SHALL TORX DRIVE, SELF COUNTERSINKING HEADS AND TYPE 17 SELF TAPPING POINTS. SCREW SIZE FOR RAILING INSTALLATION SHALL BE 10 GAUGE, 3" LENGTH. SCREW SIZE FOR DECKING INSTALLATION SHALL BE 10 GAUGE, 3" LENGTH.
 BOLTS AND BOLTING: BOLT HEADS AND NUT SHALL BE DRAWN DOWN SECURELY TO THE FACE OF THE MEMBER BEING SECURED. ALL MACHINE BOLTS SHALL INCLUDE ONE WASHER AT HEAD AND THREADED ENDS. CARRIAGE BOLTS, WHEN SPECIFIED, SHALL UTILIZE A SINGLE WASHER AT THE THREADED ENDS. GENERALLY, NO BOLT END SHALL PROTRUDE FROM THE WOOD CONNECTION GREATER THAN THREE TIMES ITS DIAMETER.
 EXECUTION: WHERE NAILING IS SPECIFIED FOR WOOD CONNECTIONS, PRE-DRILLING IS REQUIRED TO MINIMIZE SPLITTING. THIS SPECIFICALLY APPLIES TO HANDRAIL AND DECKING INSTALLATION.
 WHERE SCREWS ARE SPECIFIED FOR WOOD CONNECTIONS, PRE-DRILLING IS REQUIRED. DRILL SIZE SHALL BE GAUGED TO ALLOW FULL THREAD PENETRATION. PRE-DRILL ONLY THE MEMBER TO BE SECURED.
 HOLES FOR BOLTS AND LAGS: HOLES FOR MACHINE BOLTS SHALL BE BORED WITH A BIT OF THE SAME DIAMETER AS THE BOLT. HOLES FOR LAGS SHALL BE BORED WITH A BIT NOT LARGER THAN THE BODY OF THE SCREW AT THE BASE OF THE THREAD.
OTHER:
 ALL VEGETATION DEBRIS GENERATED DURING BOARDWALK CONSTRUCTION SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN A DULY LICENSED FACILITY.

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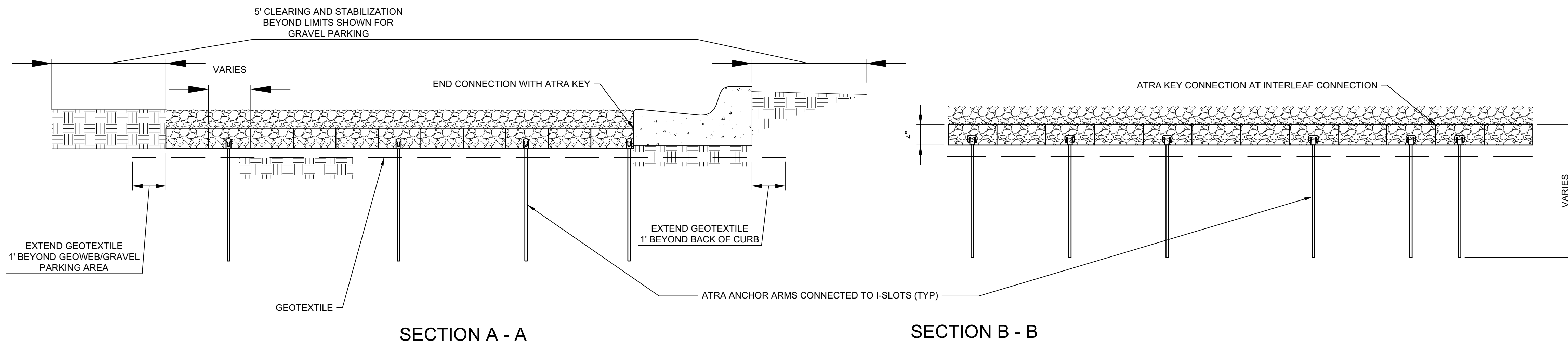
CELL LENGTH CELL WIDTH	NOMINAL CELL AREA IN ² (CM ²)	CELL EXPANSION RANGE			
		MINIMUM LENGTH IN (CM)	MINIMUM WIDTH IN (CM)	MAXIMUM LENGTH IN (CM)	MAXIMUM WIDTH IN (CM)
	44.8 (289)	8.02 (204)	9.2 (234)	9.65 (245)	11.07 (281)

NOTE: ALL DIMENSIONS ARE NOMINAL AND ARE WITHIN MANUFACTURING TOLERANCES

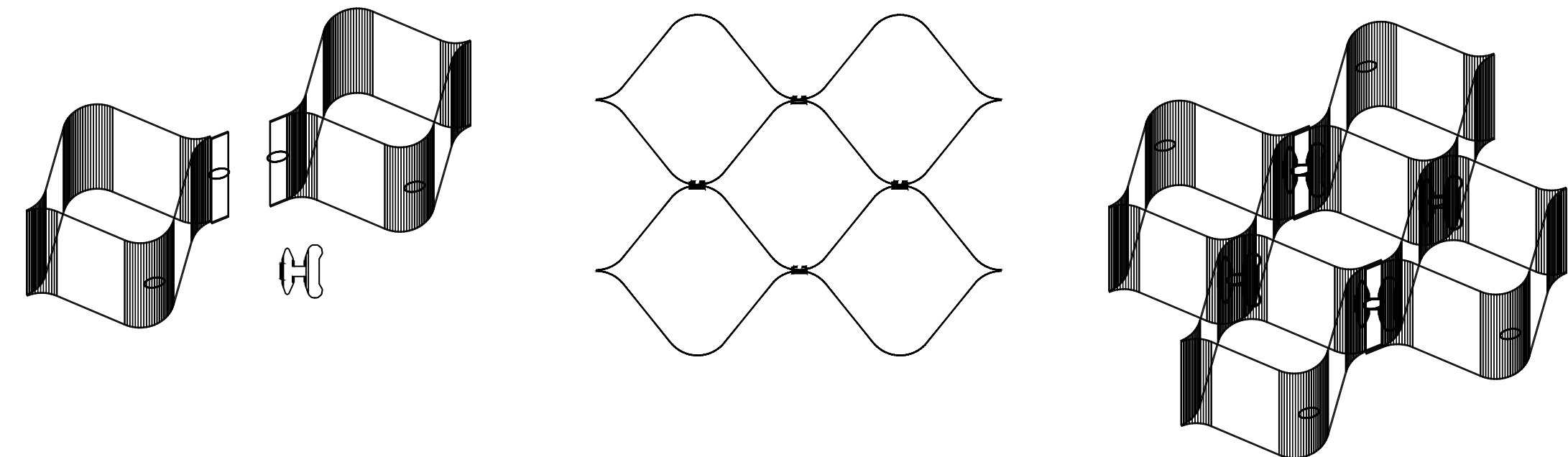
1 GEOWEB CELL SIZE
 (OR APPROVED EQUAL, SUBMIT PRODUCT DATA WITH BID SUBMITTAL)

CELLS LONG	MIN EXPANSION		MAX EXPANSION		NOMINAL AREA	
	LENGTH ft	WIDTH m	LENGTH ft	WIDTH m	ft ²	m ²
18	12.0	3.7	14.5	4.4	112	10.4
21	14.0	4.3	16.9	5.1	131	12.1
25	16.7	5.1	20.1	6.1	156	14.5
29	19.4	5.9	23.3	7.1	181	16.8
34	22.7	6.9	27.3	8.3	212	19.7

3 GEOWEB SECTION SIZES
 NTS

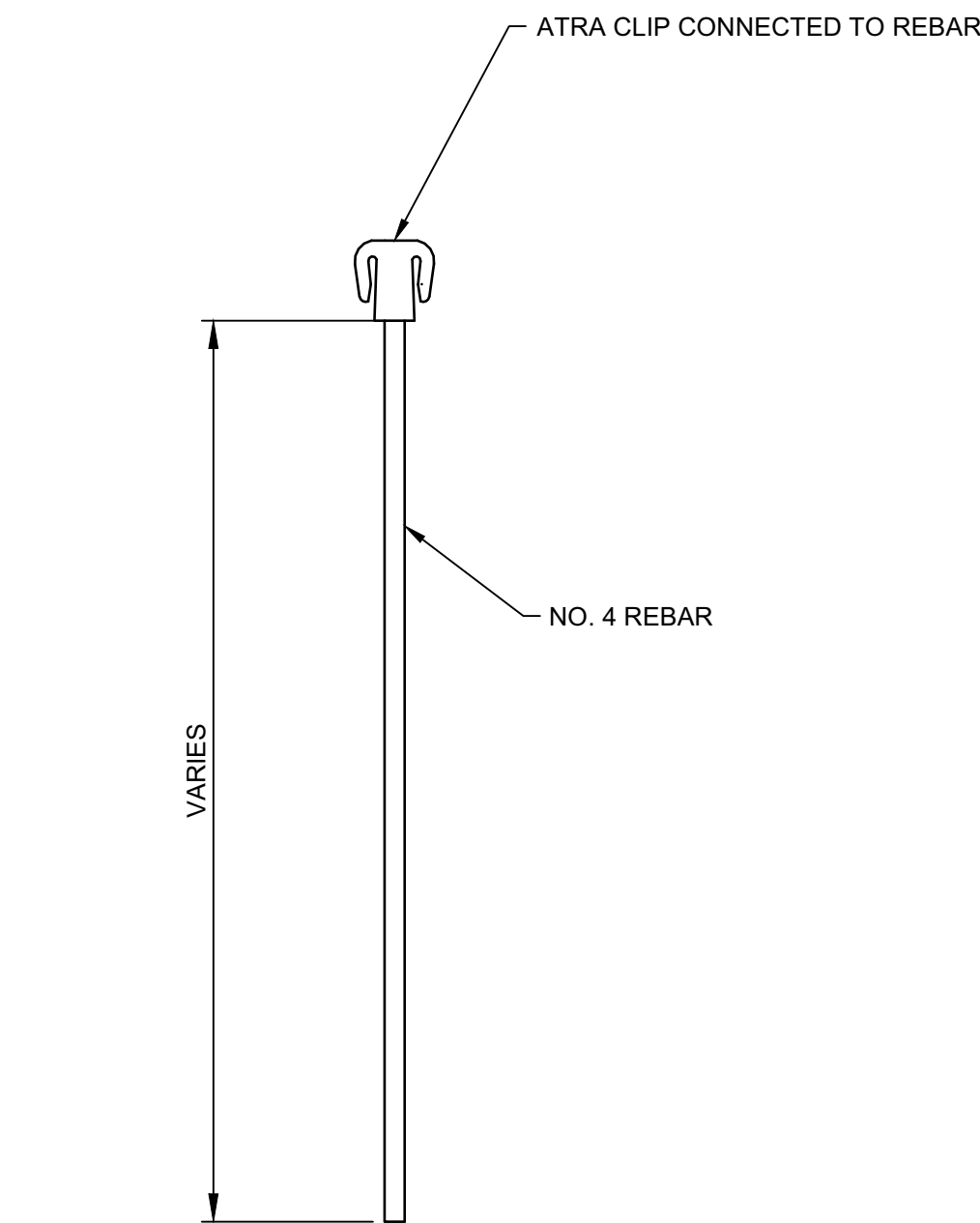


4 TYPICAL ATRA ANCHOR SYSTEM
 NTS



- GEOWEB CONNECTION NOTES:**
1. THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING.
 2. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS.
 3. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTION.

5 ATRA KEY CONNECTION DETAILS
 NTS



6 ATRA ANCHOR DETAIL
 NTS

2 GRAVEL PAVEMENT SECTION
 NTS



GW20V41029PT

20V CELL TYPE, 4" DEPTH, 10 CELLS WIDE, 29 CELLS LONG,
 PERFORATED STRIP w/ INTEGRAL I-SLOT.

GEOWEB[®] PRODUCT CODE FORMAT

- NOTES:**
1. REMOVE ALL VEGETATION TO AT LEAST FIVE (5) FEET BEYOND THE EXTENT OF THE PARKING LOT.
 2. EXCAVATE AREA TO A DEPTH OF SEVEN (7) INCHES BELOW THE FINAL GRADE AND SMOOTH THE EXCAVATED SURFACE, REMOVING ALL ROOTS GREATER THAN ONE (1) INCH IN DIAMETER.
 3. PROOF ROLL THE AREA USING A NON-VIBRATING 5-TON ROLLER OR FULLY LOADED DUMP TRUCK UNTIL THE SUBGRADE IS FIRM AND UNYIELDING, AS APPROVED BY THE ENGINEER.
 4. PLACE A WOVEN GEOTEXTILE FABRIC (PROPEX GEOTEXT 2X2HF OR APPROVED EQUIVALENT TO THE EXTENT OF THE PARKING LOT. OVERLAP EDGES BY AT LEAST ONE (1) FOOT.
 5. PLACE A GEOWEB (PRESTO GW20V 4-INCH OR APPROVED EQUIVALENT) OVER THE GEOTEXTILE AND SECURE THE SECTIONS TOGETHER USING ATRA KEYS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 6. AFTER THE GEOWEB HAS BEEN PLACED AND SECURED, BACKFILL THE GEOWEB USING A NO. 57 COARSE GRANITE AGGREGATE MEETING THE REQUIREMENTS OF FDOT STANDARD SPECIFICATION 901.
 7. THE COARSE AGGREGATE SHALL EXTEND ABOVE THE GEOWEB A MINIMUM OF THREE (3) INCHES.
 8. WHEN ATRA ANCHORS ARE USED FOR ANCHORAGE, ENSURE ANCHOR BEARS AGAINST CELL WALL AND ARM IS ENGAGED THROUGH THE I-SLOT.
 9. ADDITIONAL GEOTECH INFORMATION CAN BE FOUND IN THE GEOTECHNICAL INVESTIGATION (EGS, JUNE 2018)

Revision	By	Appr.	Y/M/D
1	ASAP PERMIT	18.09.07	YY/MM/DD

Client/Project
 LEON COUNTY
 PUBLIC WORKS DEPARTMENT
 MERIDIAN ROAD
 DRAINAGE IMPROVEMENTS
 TALLAHASSEE, FL

Seal

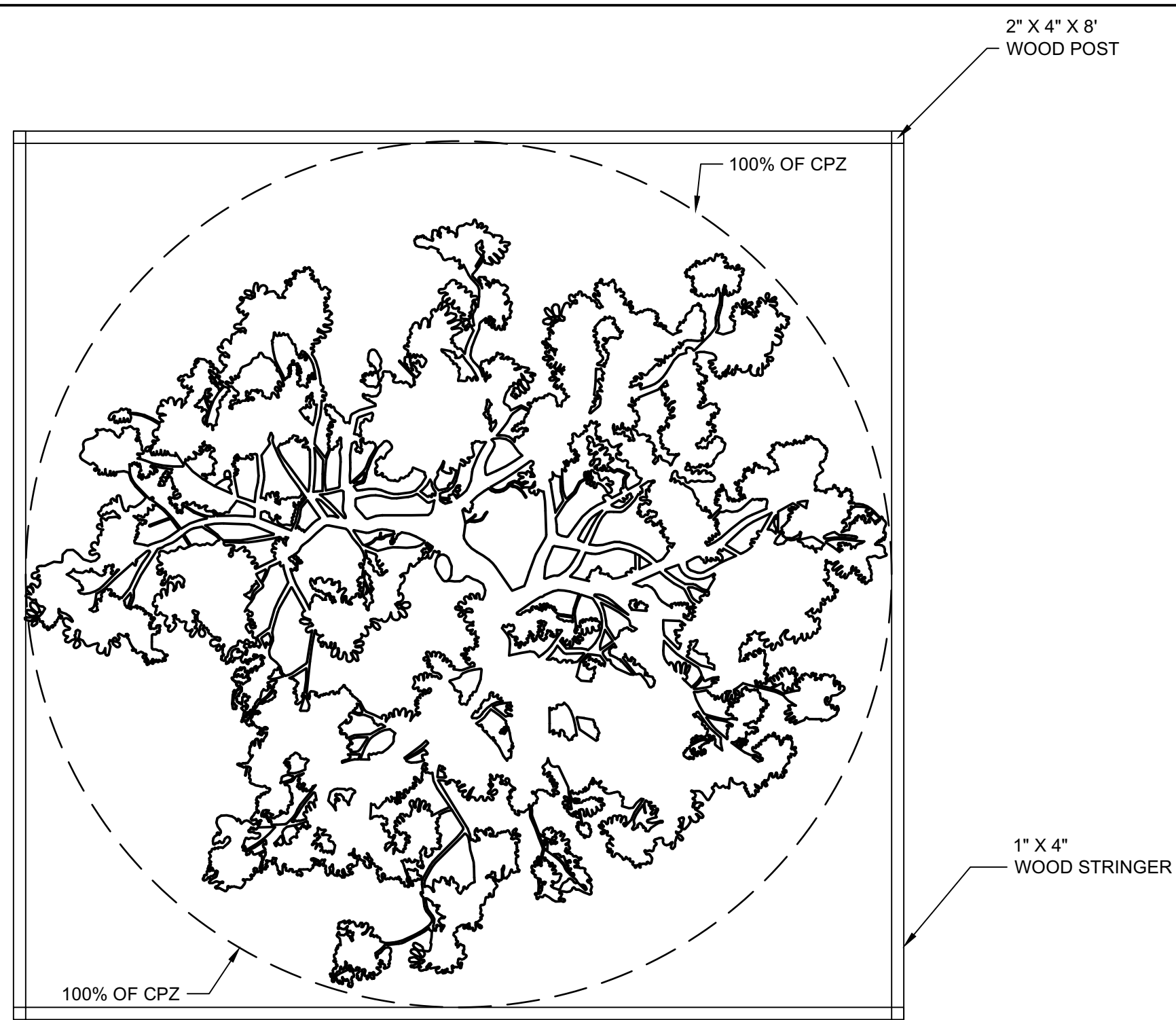
 CHRIS E. BROCKMEIER
 FL Registration No. 56859

Project Number: 215613796
 File Name: 13796-02-C503

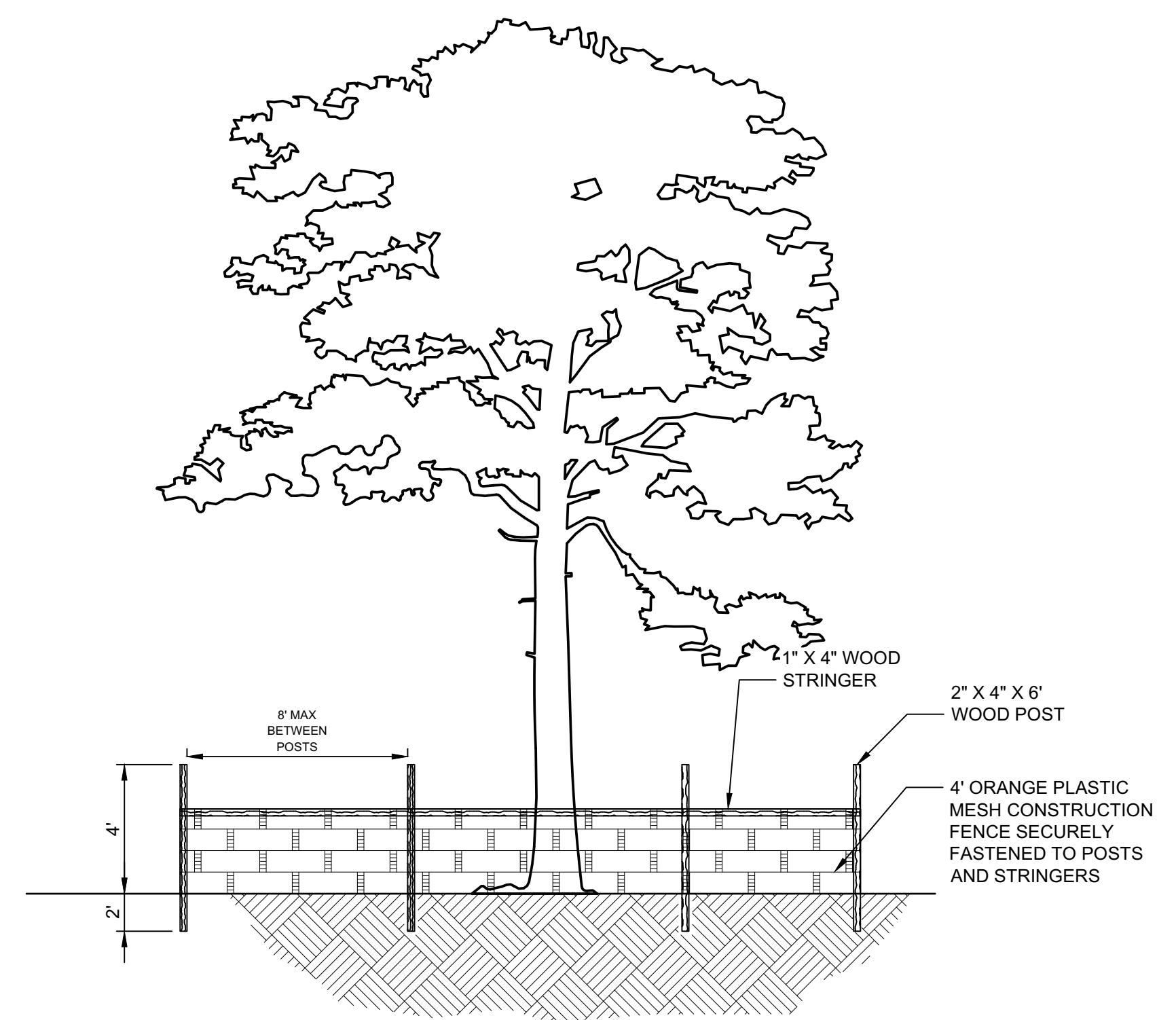
JG	CEB	AIM	18.09.07
Dwn	Chkd	Dsgn	YY/MM/DD

Drawing No. **C-503**

Revision	Sheet
0	of



1 TREE PROTECTION (PLAN)
 NTS



2 TREE PROTECTION (ELEVATION)
 NTS

GENERAL TREE PROTECTION NOTES:

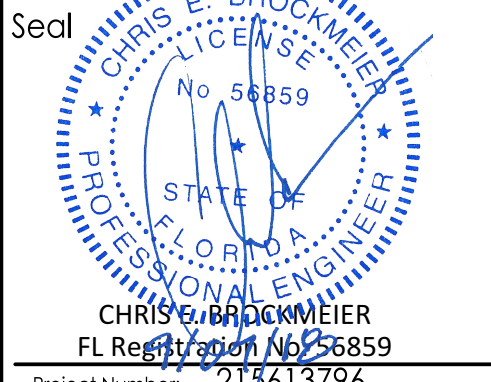
1. ANY PROPOSED CONSTRUCTION ACTIVITY WITHIN THE CPZ WILL REQUIRE THE TREE TO BE REMOVED UNLESS A LICENSED/CERTIFIED ARBORIST, WORKING IN CONJUNCTION WITH LEON COUNTY'S ARBORIST, CAN MITIGATE ANY IMPACTS TO THE TREE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TREE MITIGATION REPLACEMENTS REQUIRED BY LEON COUNTY.
2. IN THE EVENT AN IMPACTED TREE HAS BEEN RECOMMENDED TO BE SAVED BY A LICENSED/CERTIFIED ARBORIST AND THE TREE ARBORIST FOR LEON COUNTY, ALL REQUIREMENTS AND CONDITIONS REQUESTED BY LEON COUNTY SHALL BE PERFORMED BY THE CONTRACTOR IN A TIMELY MANNER IN CONJUNCTION WITH THE CONSTRUCTION SEQUENCING TO MINIMIZE FURTHER DAMAGE TO THE TREE.
3. ALL TREE ROOTS 3/4" DIAMETER AND LARGER EXPOSED DURING TRENCHING AND EXCAVATION SHALL BE CLEANLY CUT WITH A HANDSAW AND COVERED IMMEDIATELY WITH SOIL OR KEPT MOISTENED WITH WET BURLAP OR PEAT MOSS UNTIL THE TRENCH CAN BE FILLED. WHEN IT IS NOT POSSIBLE TO BACKFILL THE SAME DAY, THE ROOTS SHALL BE RE-CUT WITH A HANDSAW A REASONABLE DISTANCE FROM THE ORIGINAL CUT AND BACKFILLED IMMEDIATELY TO AVOID SOIL OR ROOT DEHYDRATION. ALL ENCOUNTERED ROOTS SHALL BE TREATED AS APPROPRIATE.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPING ON ADJACENT PROPERTIES, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL TREES WITHIN THE VICINITY OF CONSTRUCTION THAT ARE NOT SHOWN ON THE PLANS TO BE REMOVED. A TREE PROTECTION BARRICADE IS TO BE INSTALLED AT OR NEAR THE CRITICAL PROTECTION ZONE (CPZ) OF EACH TREE PRIOR TO INITIATION OF ANY CONSTRUCTION ACTIVITY AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETED.
5. THE LEON COUNTY DEPARTMENT OF DEVELOPMENT SUPPORT AND ENVIRONMENTAL MANAGEMENT (850) 606-1300 WILL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION AND INVITED TO THE PRE-CONSTRUCTION MEETING.
6. THE CONTRACTOR SHALL PROTECT THE CRITICAL PROTECTION ZONE (CPZ) OF ALL PROTECTED TREES ON THE PROJECT NOT DESIGNATED FOR REMOVAL IN THE PLANS OR AS DIRECTED BY THE ENGINEER WITH A TREE PROTECTION BARRICADE. THE CPZ IS A CIRCLE AROUND THE TREE HAVING A RADIUS OF 1' FOR EACH INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT (DBH). THE CONTRACTOR SHALL CONTACT THE LEON COUNTY DEPARTMENT OF DEVELOPMENT SUPPORT AND ENVIRONMENTAL MANAGEMENT ONCE THE PROTECTION MEASURES ARE IN PLACE AND PRIOR TO THE START OF CONSTRUCTION.
7. THE TREE PROTECTION BARRICADE SHALL BE CONSTRUCTED TO PROTECT THE CPZ TO THE GREATEST EXTENT POSSIBLE TO PREVENT ENCROACHMENT BY CONSTRUCTION EQUIPMENT, REMOVAL OF GROUND COVER, DISTURBANCE OR COMPACTION OF SOIL, OR DAMAGE TO THE ROOT SYSTEM. BARRICADES SHALL TERMINATE AT THE LIMITS OF CONSTRUCTION AND IN NO CASE SHALL IMPEDE ON THE ROADWAY PAVEMENT.
8. THERE SHALL BE NO STORAGE OF MATERIALS OR EQUIPMENT IN THE CPZ. REFER TO THE TREE PROTECTION BARRICADE DETAIL THIS SHEET. THE CONTRACTOR SHALL NOT PERFORM ANY WORK IN THE CPZ UNLESS APPROVED MITIGATION METHODS ARE FOLLOWED.
 - CUT MITIGATION: SAW CUT ROOTS 12 INCHES FROM THE EDGE OF UTILITY TRENCH CLOSEST TO THE TREE. REMOVE ALL ROOTS SO THAT THE UTILITY MAY BE INSTALLED. IF THE SAW CUT IS WITHIN 5 FEET OF THE TRUNK COLLAR OR REMOVED ROOTS ARE GREATER THAN 6 INCHES IN DIAMETER, CALL IN AN URBAN FORESTER IN ANTICIPATION OF TREE REMOVAL.
9. THE CONTRACTOR SHALL BEGIN WATERING IMPACTED TREES TWO WEEKS PRIOR TO USING ONE OF THE MITIGATION METHODS AND CONTINUE WATERING THROUGH SUBSTANTIAL COMPLETION OF THE PROJECT. IMPACTED TREES SHALL BE WATERED BY MECHANICAL IRRIGATION OR MANUALLY AT A RATE EQUIVALENT TO 1" OF WATER PER WEEK. WATER SHALL BE ADJUSTED AS REQUIRED BY LOCAL WEATHER CONDITIONS. PROVIDE APPROVED RAIN GAUGES ON SITE AS REQUIRED TO VERIFY APPLICATION RATES.

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 2/26/09 10:33:00 AM By: Y.YAM/UDO

Revision	By	Appr.	Date
1	ASAP PERMIT	18.09.07	YY/MM/DD

Client/Project
 LEON COUNTY
 PUBLIC WORKS DEPARTMENT
 MERIDIAN ROAD
 DRAINAGE IMPROVEMENTS
 TALLAHASSEE, FL

TREE PROTECTION DETAILS



CHRIS E. BROCKMEIER
 FL Registered Professional Engineer No. 58859

Project Number: 213613796
 File Name: 13796-02-C504

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Dwn	Chkd	Dsgn	YY/MM/DD

Drawing No. C-504
 Revision Sheet
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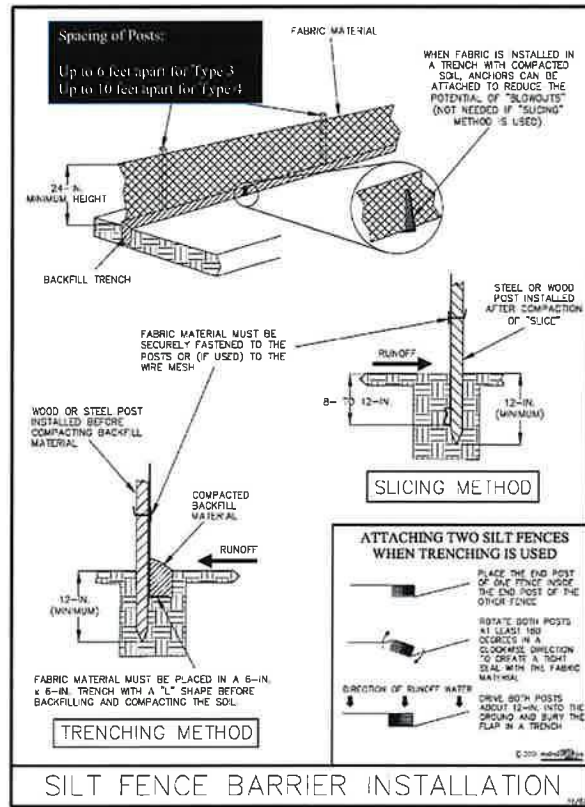


Figure V-2: Illustration of a Silt Fence Barrier

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V-7

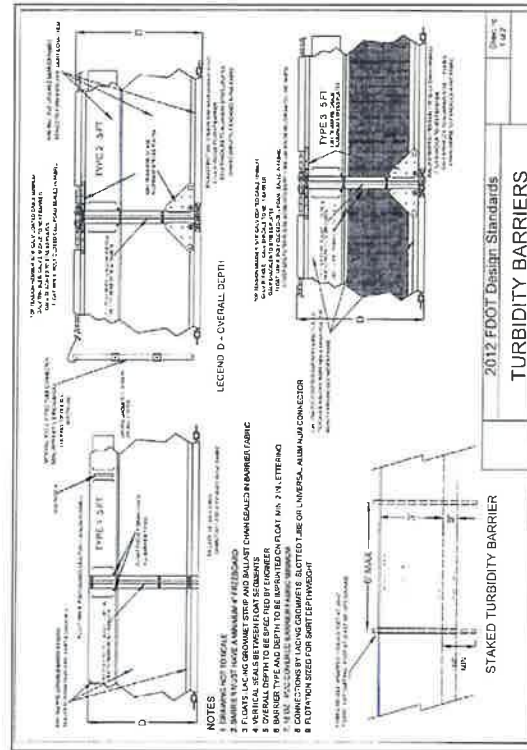


Figure V-9: Illustration of Installing a Floating Turbidity Barrier

V-24

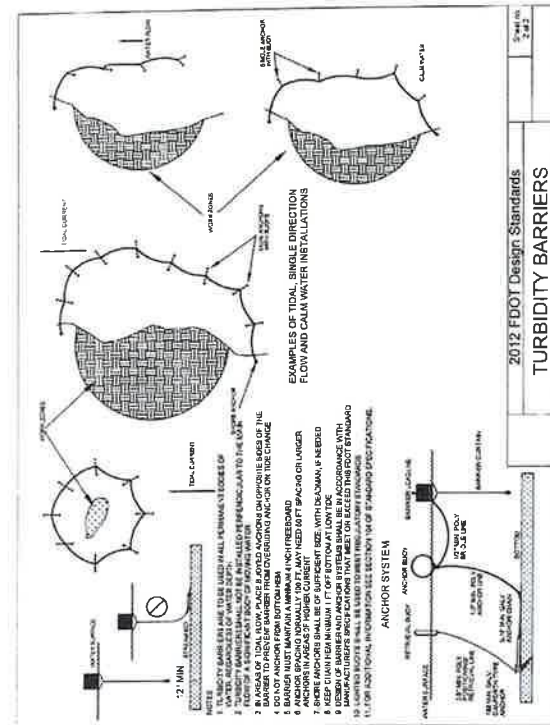


Figure V-10: Illustration of Installing a Floating Turbidity Barrier

V-25

SWPP NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN NPDES CONSTRUCTION PERMIT PRIOR TO CONSTRUCTION ACTIVITIES AND FOR COMPLIANCE WITH ALL STATE, LOCAL, AND FEDERAL PERMITS RELATED TO THIS PROJECT.
2. THE EROSION CONTROL MEASURES SET FORTH IN THESE PLANS ARE INTENDED AS MINIMUM STANDARDS. ALL EROSION CONTROL REQUIRED SHALL BE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPP). CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXPOSED AREAS, COST OF WHICH SHALL BE INCIDENTAL TO THE PROJECT.
3. AT THE REQUIRED PRECONSTRUCTION MEETING, CONTRACTOR SHALL PROVIDE IN WRITING THE NAME AND TELEPHONE NUMBER OF THE STORMWATER CONTROL OFFICER TO THE OWNER, THE OWNER'S DESIGNATED REPRESENTATIVE, LEON COUNTY, AND NWFVMD. THE OFFICER SHALL BE CERTIFIED UNDER THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR TRAINING PROGRAM AND SHALL BE AVAILABLE IN PERSON OR BY PHONE AT ALL TIMES DURING CONSTRUCTION.
4. THE STORMWATER CONTROL OFFICER SHALL BE RESPONSIBLE FOR CONTINUALLY MONITORING WEATHER CONDITIONS AND EVALUATE THE EFFECTIVENESS OF THE CONTROL MEASURES THROUGHOUT ALL PHASES OF CONSTRUCTION.
5. AS CONSTRUCTION PROGRESSES, THE STORMWATER CONTROL OFFICER SHALL MAKE ADJUSTMENTS AND/OR INSTALL ADDITIONAL MEASURES TO PREVENT DIRECT FLOW OR TRACKING OF SEDIMENTS ONTO ADJACENT PROPERTY, CONSERVATION AREAS, PUBLIC STREETS, OR DRAINAGE SYSTEMS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR REVISIONS TO AND IMPLEMENTATION OF THE SWPP WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING AN INSPECTION WHEN ADDITIONS OR MODIFICATIONS TO BEST MANAGEMENT PRACTICES (BMPs) ARE NECESSARY TO CORRECT OBSERVED PROBLEMS. REVISIONS SHALL OCCUR WHENEVER:
 - A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE CONSTRUCTION SITE HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THE DOCUMENT.
 - DISCHARGES ARE CAUSING WATER QUALITY EXCEEDANCES, AS DEFINED BY THE EPA, OR THE BMPs ARE INEFFECTIVE IN MINIMIZING POLLUTANTS IN STORMWATER DISCHARGE FROM THE CONSTRUCTION SITE.
7. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PLACED ADJACENT TO ANY WATERWAY OR DRAINAGE FEATURE PRIOR TO CONSTRUCTION AND REMAIN IN PLACE UNTIL CONSTRUCTION OF THE FEATURE IS COMPLETE AND ALL AREAS SUITABLY STABILIZED.
8. SEDIMENTS TRACKED FROM VEHICLES ONTO ADJACENT PROPERTY, ROADWAYS OR INTO STORM DRAINAGE SYSTEMS SHALL BE RECOVERED AND DISPOSED OF PROPERLY.
9. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT LOCATIONS DESCRIBED IN THE APPROVED SWPP OR AS DIRECTED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
10. IF ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES BECOME REQUIRED DURING THE PROJECT'S DURATION, CONTRACTOR SHALL MAKE ADJUSTMENTS AT NO ADDITIONAL COST TO OWNER.
11. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT SITE. SHOULD CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE. CONTRACTOR SHALL PROVIDE THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. SINCE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED THE MSDS SUBMITTAL. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE AND WHO SHALL PROTECT THE AREA OS SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
12. ALL VEGETATIVE MATERIALS SHALL BE SUBJECT TO INSPECTION PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES SHALL BE REJECTED FOR USE ON THE PROJECT. CONTRACTOR SHALL FURNISH THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE, PRIOR TO INCORPORATION INTO THE PROJECT. A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICE DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY, STRAW, AND MULCH MATERIAL ARE FREE OF NOXIOUS WEEDS.
13. EQUIPMENT MAINTENANCE AND REPAIR SHALL BE LIMITED TO ONE AREA OF THE PROJECT. AN ADEQUATE NUMBER OF WASTE DISPOSAL RECEPTACLES FOR LIQUID AND SOLID WASTE SHALL BE PROVIDED. WASTE SHALL BE DISPOSED OF PROPERLY OFF-SITE. THE MAINTENANCE AREAS SHALL BE INSPECTED AND CLEANED DAILY. CARE SHALL BE TAKEN THAT ANY OILS, GASOLINE, GREASE, SOLVENTS, AND OTHER POTENTIAL POLLUTANTS SHALL NOT BE WASHED OFF-SITE EITHER DIRECTLY OR INDIRECTLY, THROUGH THE STORMWATER CONVEYANCE SYSTEMS.
14. WASTE COLLECTION AND DISPOSAL -- A SUFFICIENT NUMBER OF WASTE AND TRASH RECEPTACLES SHALL BE PROVIDED AT ALL TIMES. RECEPTACLES AND OTHER WASTE COLLECTION AREAS SHALL BE KEPT NEAT AND ORDERLY. TRASH CANS AND DUMPSTERS SHALL HAVE COVERS TO PREVENT THE ENTRANCE OF RAINFALL. ALL WASTE MATERIAL SHALL BE COLLECTED AND DISPOSED AT A SUITABLE LANDFILL. TRASH COLLECTION POINTS SHALL BE LOCATED WHERE THEY WILL BE LEAST IMPACTED BY CONCENTRATED STORMWATER RUNOFF.
15. DEMOLITION AND ACCESS AREAS -- DUST CONTROL TECHNIQUES SHALL BE USED DURING DEMOLITION WHERE LARGE AMOUNTS OF DUST ARE GENERATED. IF WATER OR SLURRY IS USED TO CONTROL DUST, IT SHALL BE CONTAINED ON-SITE.
16. WASHING AREA -- AN AREA SHALL BE DESIGNATED BY THE CONTRACTOR FOR WASHING VEHICLES AND WILL BE LOCATED WHERE THE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING OR SEEPAGE BASIN. WASH AREA SHALL HAVE GRAVEL BASE.
17. STORAGE OF CONSTRUCTION MATERIALS -- AN ISOLATED AREA SHALL BE DESIGNATED TO STORE CHEMICALS, CEMENTS, SOLVENTS, PAINTS OR OTHER POTENTIAL POLLUTANTS. THE AREA SHALL LOCATED AS TO ELIMINATE RUNOFF POLLUTION. TOXIC CHEMICALS AND MATERIALS, SUCH AS PESTICIDES, PAINTS, AND ACIDS, SHALL BE STORED ACCORDING TO THE MANUFACTURER'S GUIDELINES. CARE SHALL BE TAKEN IN THE USE OF THESE MATERIALS TO AVOID ACCIDENTAL SPILLS. GROUNDWATER RESOURCES SHALL BE PROTECTED BY THE USE OF IMPERVIOUS MATERIALS ON ANY GROUND SURFACE WHERE TOXIC LIQUIDS ARE TO BE OPENED AND STORED.
18. SANITARY FACILITIES -- ADEQUATE SANITARY FACILITIES SHALL BE PROVIDED DURING ALL CONSTRUCTION PHASES FOR WORKERS ACCORDING TO APPLICABLE HEALTH AND SAFETY PRACTICES AND REGULATIONS.
19. ALL DISTURBED AREAS UNTOUCHED LONGER THAN 14 DAYS MUST BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH.

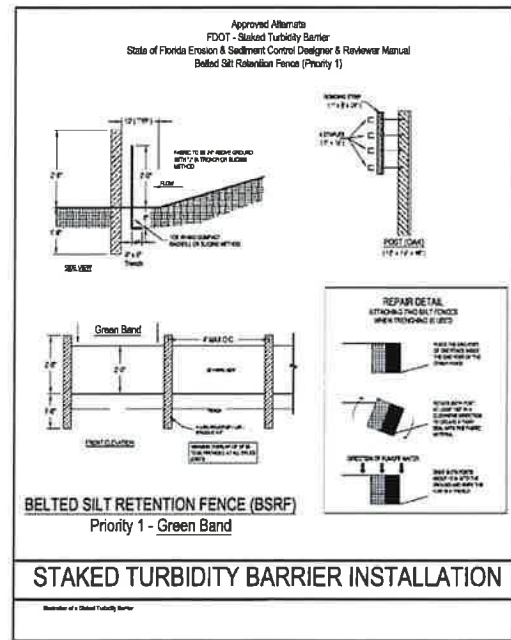


Figure V-11: Illustration of Staked Turbidity Barrier (Belted Silt Retention Fence)

V-28

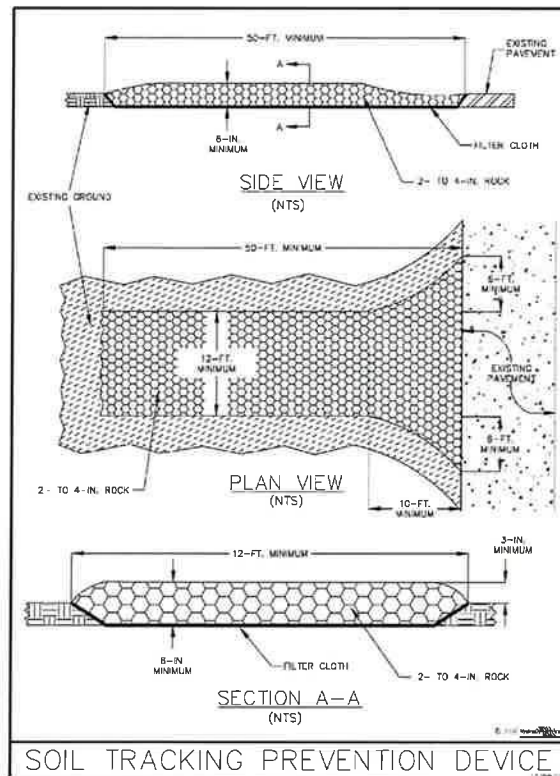


Figure V-19: Illustration of a Soil Tracking Prevention Device

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