LEGEND

SYMBOL B	DESCRIPTION BITUMINOUS PAVEMENT. SEE ASPHALT PAVEMENT DETAIL.
BD BE	CONSTRUCT BOLLARD 12" FROM GREASE TRAP. SEE DETAIL. CONSTRUCT PARKING SIGN. SEE DETAIL.
BM	BENCH MARK — SEE SURVEY PLAN.
CC	4000 P.S.I. CONCRETE CURBING (MIN. 6" ABOVE FINISHED OF UNLESS OTHERWISE NOTED) MEETING REQUIREMENTS OF AL AUTHORITIES. PROVIDE EXPANSION JOINTS AT 20'-0" MAX SEE TYPE VERTICAL CURB DETAIL AND SPECIFICATION.
CO	CLEAN OUT SHALL BE CONSTRUCTED EVERY 50'. SEE DETA
CR	CURB TERMINUS. SEE DETAIL. CONSTRUCT "VISITOR PARKING" PAVEMENT SIGN WITH 10" F
CS	LETTERS WITH PAINTING SPECIFICATIONS AS INDICATED WITH SYMBOL PAS BELOW IN LEGEND.
EJ	EXPANSION JOINT. SEE DETAIL.
GBL	GRADE BREAK LINE. CONSTRUCT GRAVEL FILLED BAGS FOR SILT SEDIMENT CON
GR	AS REQUIRED.
GT	CONSTRUCT SCHIER GB-75 GREASE TRAP WITH ACHOR KIT, SR24 RISER AND C24UP COVER. INSTALLATION SHALL BE ACCORDING TO MANUFACTURES GUIDE LINES. TOP ELEVATI = 21.2
HC	CONSTRUCT 2' WIDE HANDICAP DETECTABLE WARNING SURF PER ADA REQUIREMENTS FULL WIDTH OF WALKWAY PER FD INDEX 304.
HCS	CONSTRUCT HANDICAP SIGN PER ADA REQUIREMENTS.
MP	MOTORCYCLE AND MOPED PARKING.
МОТ	MAINTENANCE OF TRAFFIC— REFER TO FDOT INDEXES 616, 660 AND RELATED INDEXES. IN ADDITION CONTRACTOR SH NOTE CITY OF SARASOTA REQUIREMENTS.
MG	CONTRACTOR SHALL MATCH PROPOSED GRADE TO EXISTING GRADE WITH SMOOTH TRANSITION AT 4 HORIZ.: 1VERT. SLO
P1	CONSTRUCT 165 L.F- 6" DIA. SCH. 40 PVC @0.61% WITH CLEANOUTS EVERY 50'. CONTRACTOR SHALL GROUT ALL AT INLET TIE-IN POINTS WITH NON SHRINK GROUT FOR TIG SEAL. IF CONFLICT OCCUR IN PIPE ROUTING CONTRACTOR SHALL CONSTRUCT BENDS AND CONTINUE PIPE CONSTRUCT THIS ITEM SHALL INCLUDE ALL COSTS FOR MATERIALS, BEN CONFLICT RESOLUTION, APPURTENANCES AND LABOR FOR CONSTRUCTION.
PAS	TYPICAL PARKING SPACE 6" WIDE WHITE PAINT STRIPE (10 THICK MIN.). ALL MARKINGS SHALL MEET THE RETROFLECT REQUIREMENTS OF THE LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
RB	RELOCATE BENCH AS PER OWNER'S DIRECTION.
RC4	4" THICK 4000 P.S.I. CONCRETE, UNLESS NOTE ELSE WHER ON THESE PLANS OR ON ARCHITECT'S PLANS, REINFORCED WITH 1 LAYER OF 6x6-W2.0xW2.0 WELDED WIRE MESH SET BELOW TOP. SUBGRADE UNDER SIDEWALKS SHALL BE COMPACTED TO 98% AASHTO T-180.
RC6	6" THICK 4000 P.S.I. CONCRETE, UNLESS NOTE ELSE WHER ON THESE PLANS OR ON ARCHITECT'S PLANS, REINFORCED WITH 1 LAYER OF 6x6-W2.0xW2.0 WELDED WIRE MESH SET BELOW TOP. SUBGRADE UNDER SIDEWALKS SHALL BE COMPACTED TO 98% AASHTO T-180.
RR	CONSTRUCT SAW CUTS, PAVEMENT, ROCK, CONCRETE, SOD, SHRUB AND TREE REMOVAL AS REQUIRED FOR WORK. ALL MATERIAL SHALL BE DISPOSED OF OFF SITE IN AN APPROVAREA. SITE AREA SHALL BE CLEARED OF ALL ORGANIC SAND MATERIALS AND MECHANICALLY ROOT RACKED TO A LOF 18" BELOW EXISTING GRADE TO REMOVE ALL ROOTS.
SC	SEALCOAT: CONTRACTOR SHALL REMOVE ALL AREAS WHER THERE ARE OIL STAINS BY SAW CUTTING THEM, REMOVING EXISTING ASPHALT AND CONSTRUCTING NEW ASPHALT 1.5" DEPTH MIN. WITH SMOOTH JOINTS. CONTRACTOR SHALL FOLLOW MANUFACTURE'S RECOMMANDED CURING TIME FOR ASPHALT PRIOR TO APPLYING SEALCOAT. CONTRACTOR SI CLEAN PAVEMENT SURFACE OF ALL LOOSE DUST, DIRT, LEAVES AND ANY FOREIGN MATERIALS IN ACCORDANCE WITMANUFACTURE'S SPECIFICATIONS. CONTRACTOR SHALL CONSTRUCT POLYTAR, FROM GEMSEAL, HEAVY DUTY PAVEMENT SEAL AND APPLY PER THE MANAUFACTURE'S RECOMMANDATIONS. CONTRACTOR SHALL ADD 3-5 POUNT OF SAND TO THE SEALCOAT AS DISCRIBED IN THE MANUFACTURE'S APPLICATION INSTRUCTIONS FOR SKID RESISTANCE. CONTRACTOR SHALL APPLY THREE COATS IN THE DRIVE ISLES AND TWO COATS IN THE PARKING STALLS AND APPLIED AS 0.1-0.15 GAL/SQ.YD. FOR THE FIRST CO, AND 0.10-0.12 FOR THE SECOND AND THIRD COATS. AFT CURING TIME CONTRACTOR SHALL CONSTRUCT PAINT STRIP LIMITS OF SEALCOAT SHALL BE ASPHALT AREAS WITHIN THE PROPERTY.
SCR	SILT SCREEN SHALL BE LOCATED ON PROPERTY LINE UNLE OTHERWISE SHOWN. SEE DETAIL.
SG	SIDEWALK GRADE.
SN1	CONSTRUCT YARD DRAIN. SEE DETAIL.
SOD	SOD AREA: TOPSOIL, LIME, FERTILIZER AND SOD W/ BAHIA ALL AREAS DISTURBED BY CONSTRUCTION.
SW	CONSTRUCT SIDEWALK WITH SAW CUT EVERY 5' UNLESS OTHERWISE NOTED.
SWC	SAW CUT. CONSTRUCT TIE-IN TO EXISTING BOX WITH CORE BORE AND GROUT JOINT FOR TIGHT SEAL. TIE-IN PRICE SHALL INCLUDE BOX RESTORATION AS REQUIRED FOR TIE-IN, MATERIALS LABOR AND APPURTENANCES
TI	REQUIRED TO COMPLETE WORK. INV. EL.=18.00
TF	TOE FOOTING- SEE DETAIL.
WL	EX. WATER LINE TO REMAIN. FLOW DIRECTIONAL INTENT.
	TEST DIMENTOTATE HATEIAT.
	EXISTING FEATURES.
	EXISTING ITEMS TO BE REMOVED.

SITE IMPROVEMENT PLAN **FOR** SARASOTA HOUSING AUTHORITY

1300 BOULEVARD OF THE ARTS SARASOTA, FLORIDA 34234

SITE DATA SARASUTA COUNTY TAX ID NO.: 2026120011 OWNER/ APPLICANT: SARASOTA HOUSING AUTHORITY 269 S. OSPREY AVENUE, SUITE 100 SARASOTA, FLORIDA 34236 (941) 361-6210 W. R. COOK ENGINEERING, LLC 3012 RIVERVIEW BLVD. BRADENTON, FL 34205 PH. (941) 224-4839 E-MAIL: WRCOOKJR@VERIZON.NET OMC SURVEYING AND MAPPING 518 13TH ST. W. BRADENTON, FLORIDA 34205 (941) 345-5451

UTILITY COMPANIES AND FIRE DEPARTMENTS:

WATER: CITY OF SARASOTA & SEWER 1750 12TH ST. SARASOTA, FLORIDA 34236 PHONE NO.: 941-365-2200

FPL 1851 WHITFIELD AVE SARASOTA, FL 34243

5631 26TH ST. WEST BRADENTON, FL 34207

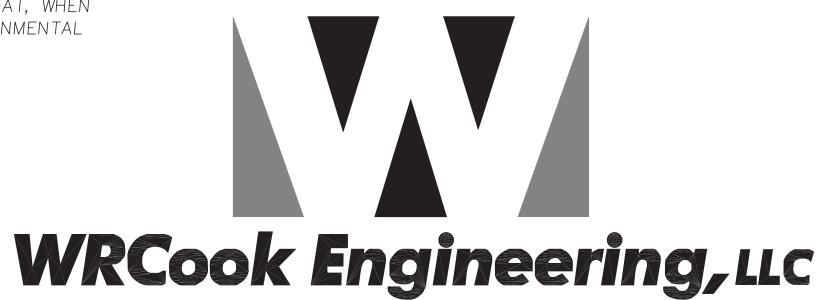
TELEPHONE: FRONTIER

FIRE DEPT: SARASOTA COUNTY PH.: 941-861-5000

TECO PEOPLES (813) 275-3700

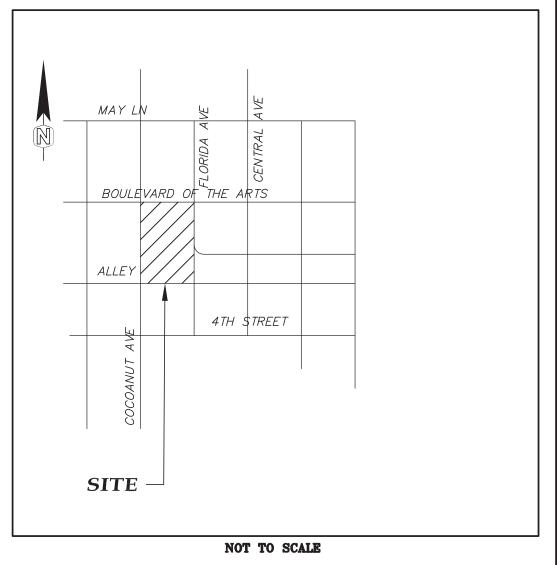
NOTE:

SEALCOAT. IT IS NOT THE ENGINEER'S RECOMMANDATION FOR PLACING A SEALCOAT ON THE PARKING AREA. THIS ITEM IS BEING ADDED AT THE REQUEST OF THE OWNER AND THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR IT. MANUFACTURE'S WARNING- SKID RESISTANCE: SEALCOAT, WHEN IMPROPERLY APPLIED AND/OR UNDER CERTAIN ENVIRONMENTAL CONDITIONS, MAY BECOME SLIPPERY.



3012 RIVERVIEW BLVD., BRADENTON, FL 34205 PHONE: (941) 224-4839 E-MAIL ÀDDRESS: reed@wrcookengineering.com CERTIFICATE OF AUTHORIZATION 26028

L O C A T I O N M A P



INDEX OF DRAWINGS

1	TITLE	SHEET

- DEMO PLAN SITE PLAN
- ENLARGEMENT PLAN JOINT PLAN **DETAILS**
- GENERAL NOTES

DATE SIGNED:



ELECTRONIC COPIES.

Digitally signed William | by William R Cook Jr R Cook Jr Date: 2018.06.25 13:59:07 -04'00'

WILLIAM R. COOK, JR., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM R. COOK, P. E. ON

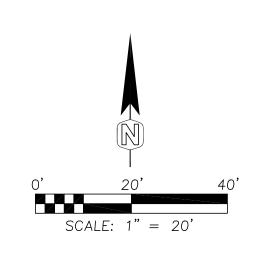
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND

THE SIGNATURE MUST BE VERIFIED ON ANY

WILLIAM R. COOK, JR., P.E. REGISTRATION NO. 34806

JOB NO: SHEET

REVISIONS



WRC

DATE :

NO. 26028

NAME: VILLIAM REED COOK, JR., P.E.

FLORIDA REGISTRATIONB NO. 34806

CERTIFICATE OF AUTHORIZATION

WRCook Engineering, LLC

3012 RIVERVIEW BLVD., BRADENTON, FL 34205
PHONE: (941) 224-4839
E-MAIL ADDRESS: Reed@WRCookEngineering.com
CERTIFICATE OF AUTHORIZATION 26028

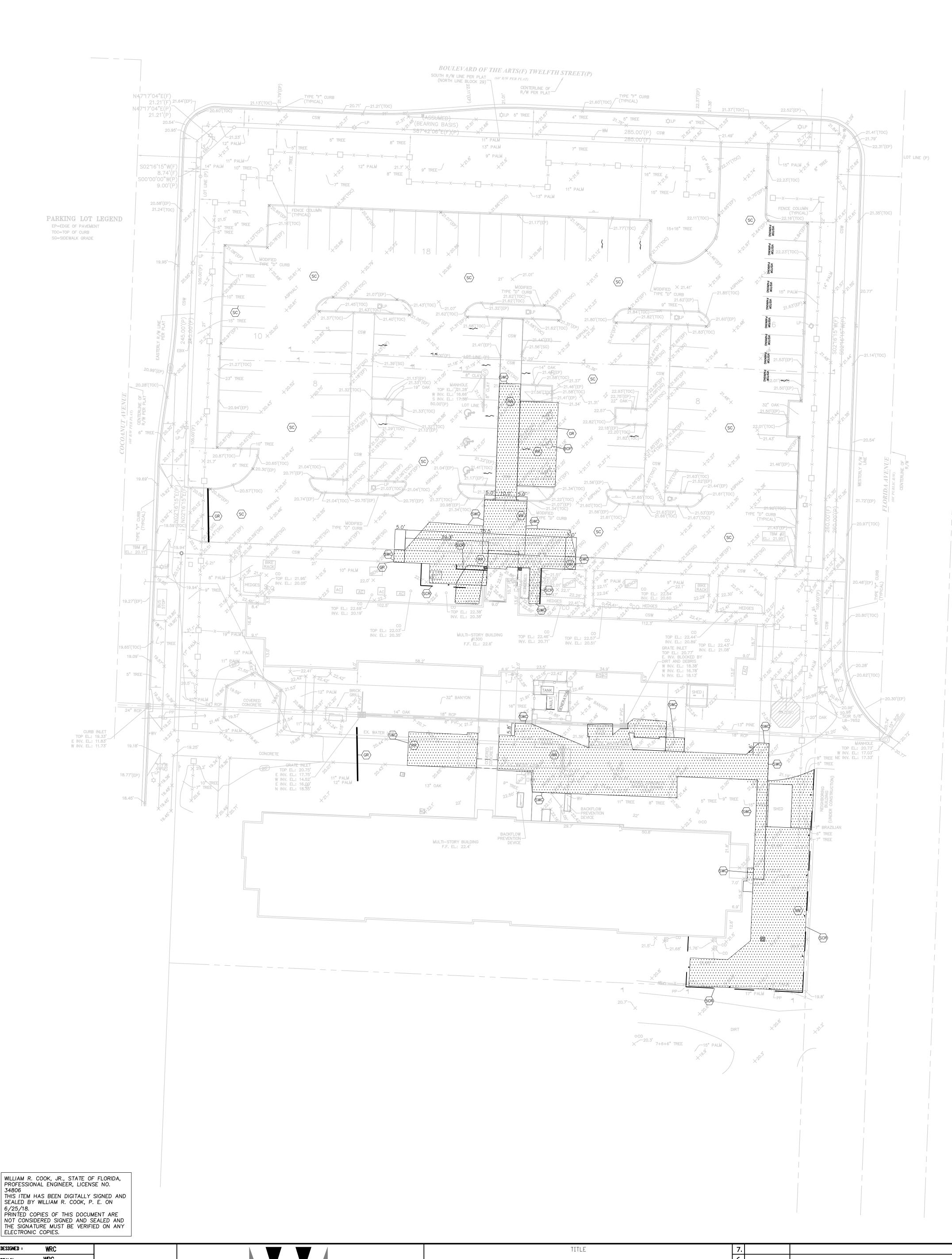
APPROVED :

SHEET 2

SCALE : AS SHOWN

DATE : JUNE, 2018

PROJECT NO. : SHA 1300 BLVD



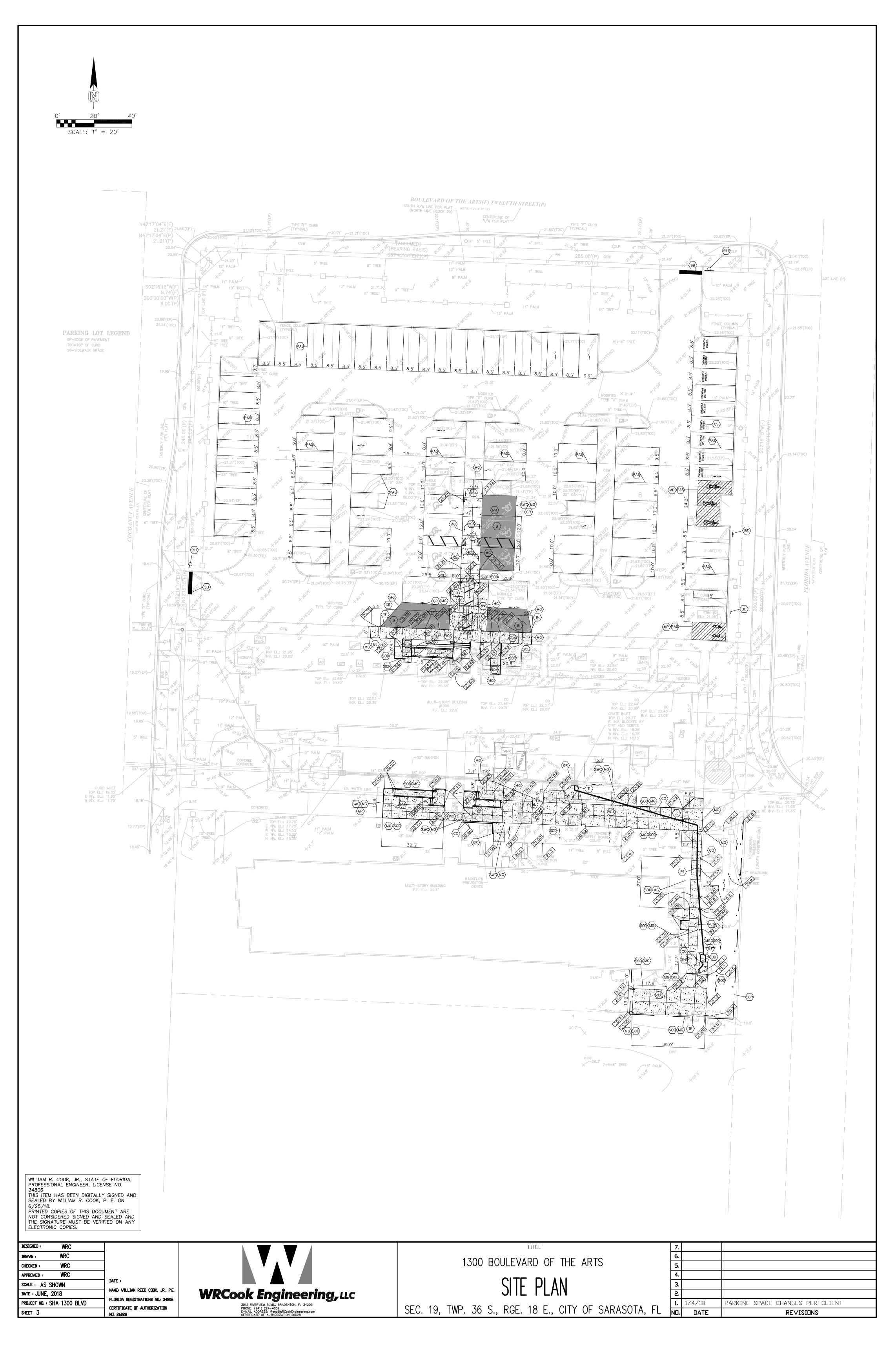
1300 BOULEVARD OF THE ARTS

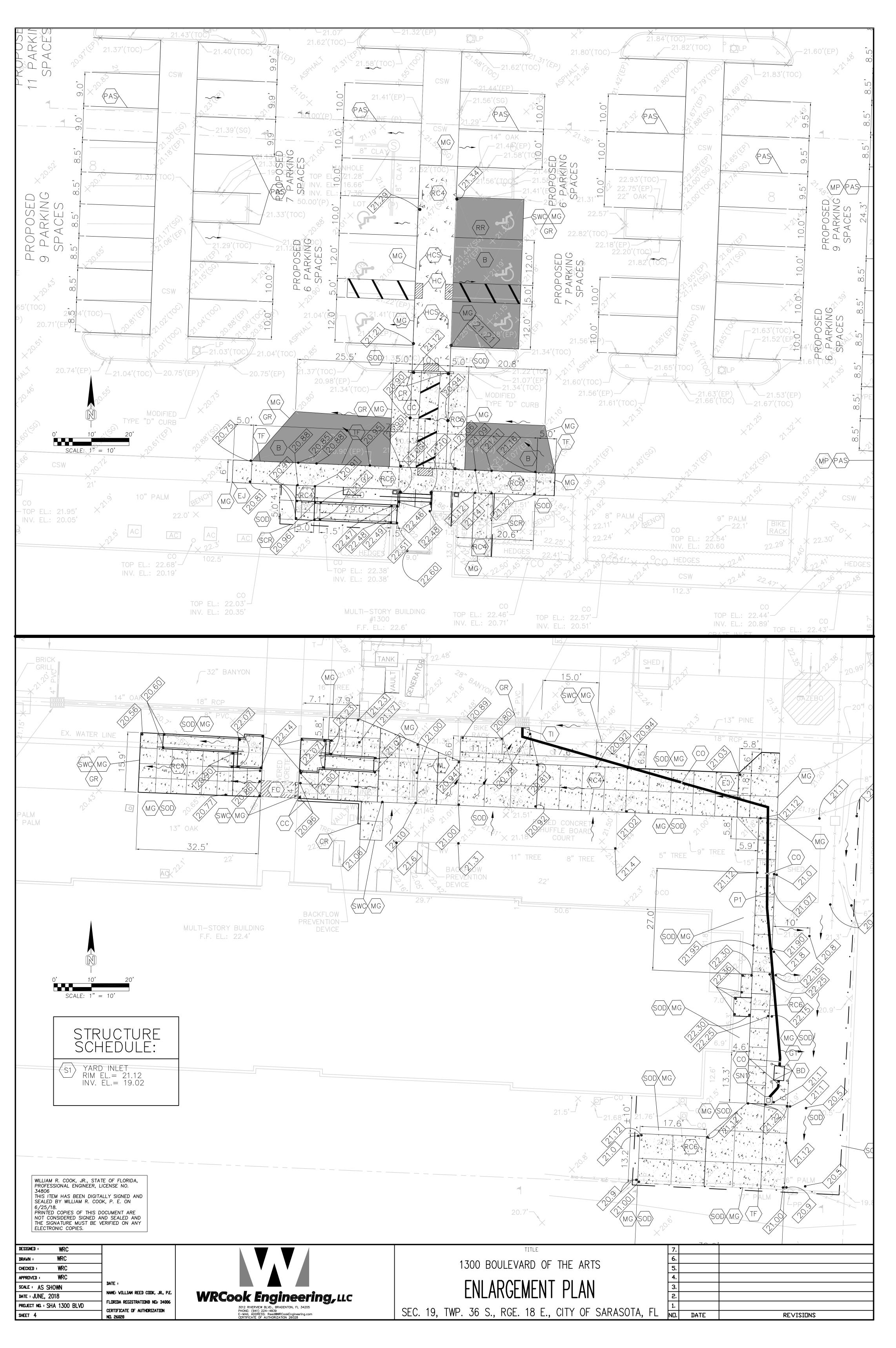
DEMO PLAN

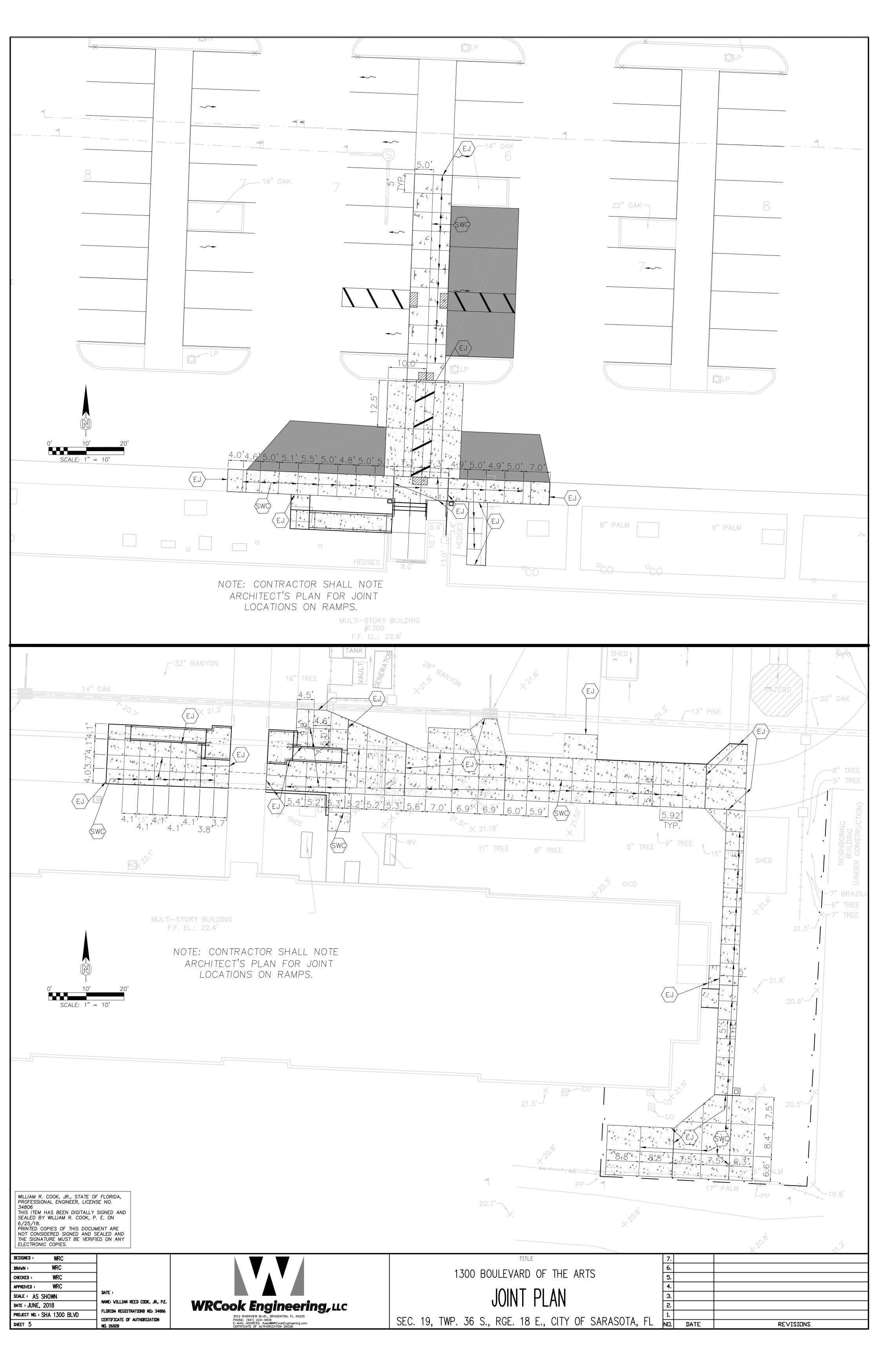
SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

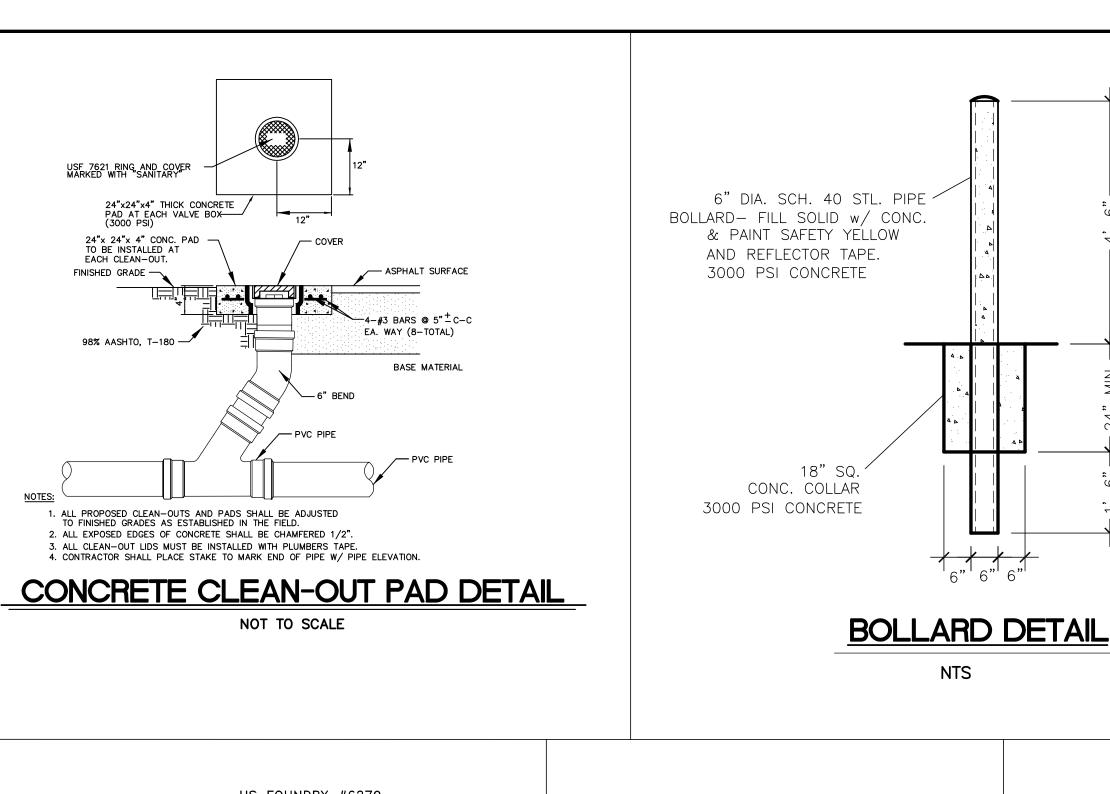
DATE

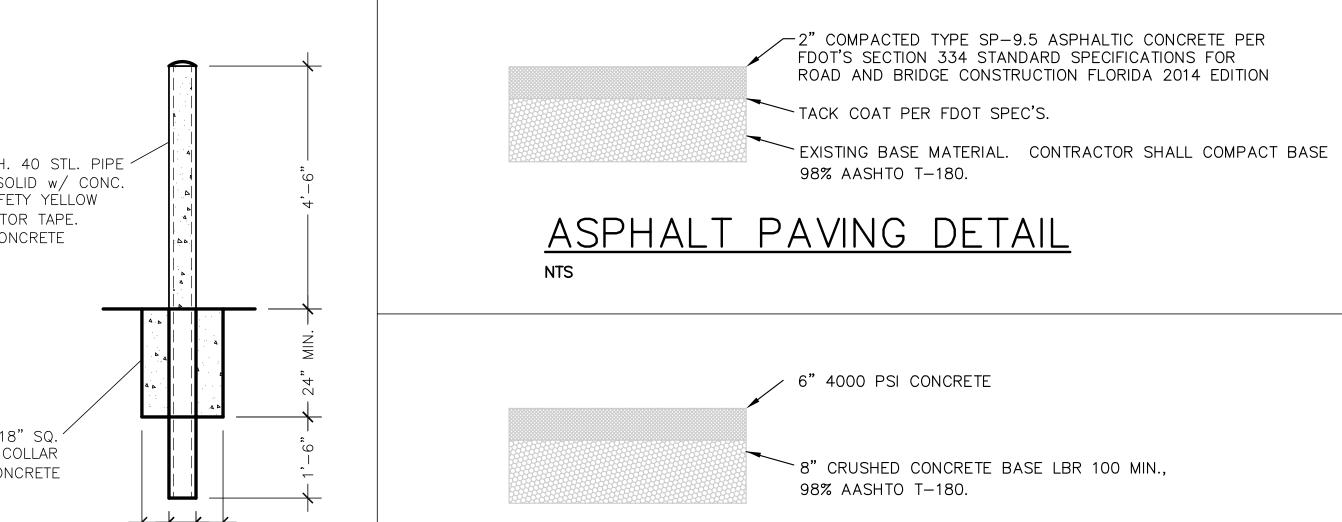
REVISIONS

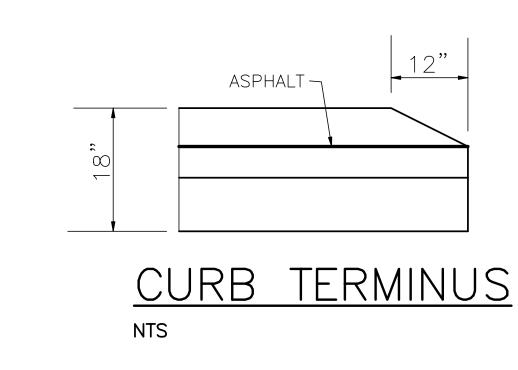




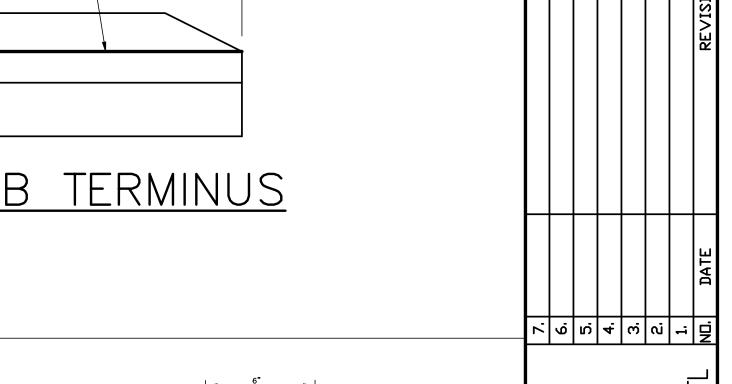


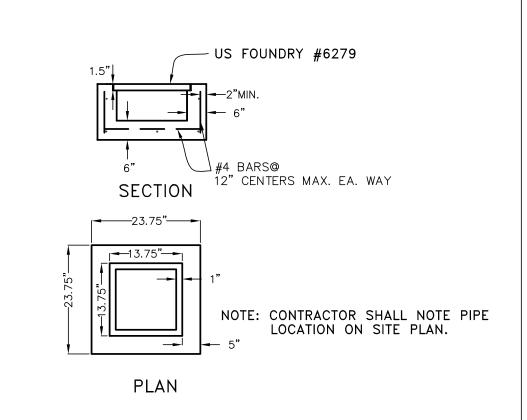






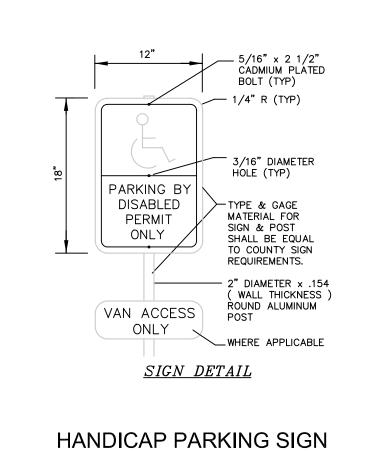
PAVEMENT OR SOIL -

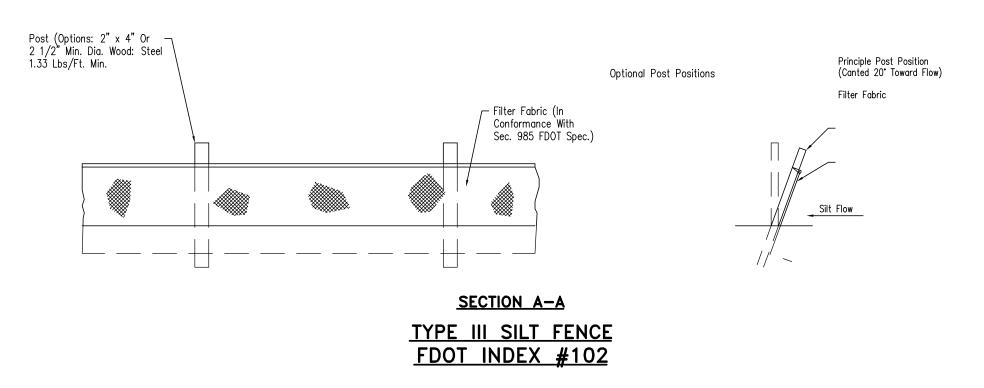




YARD DRAIN DETAIL



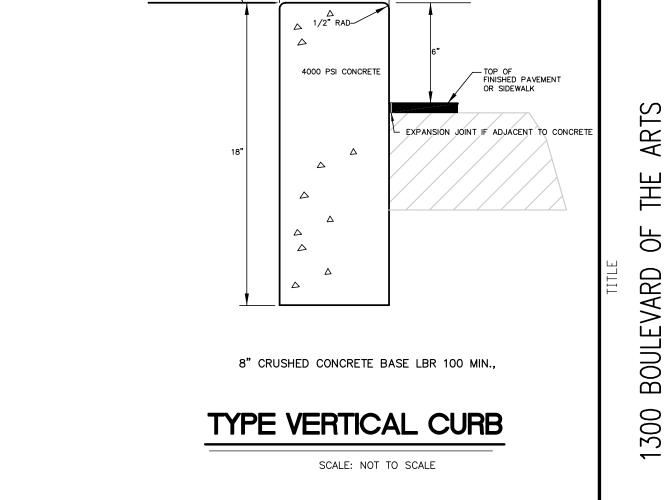


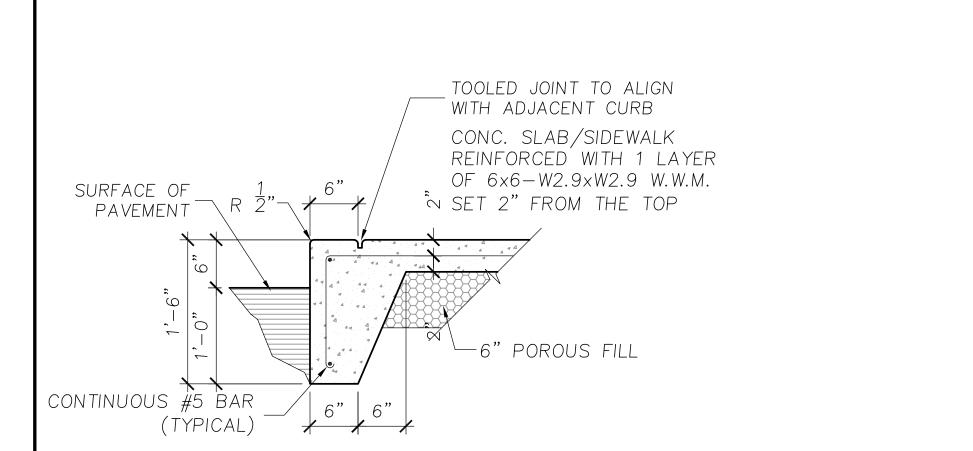


NOTES:

42" AND OVER.

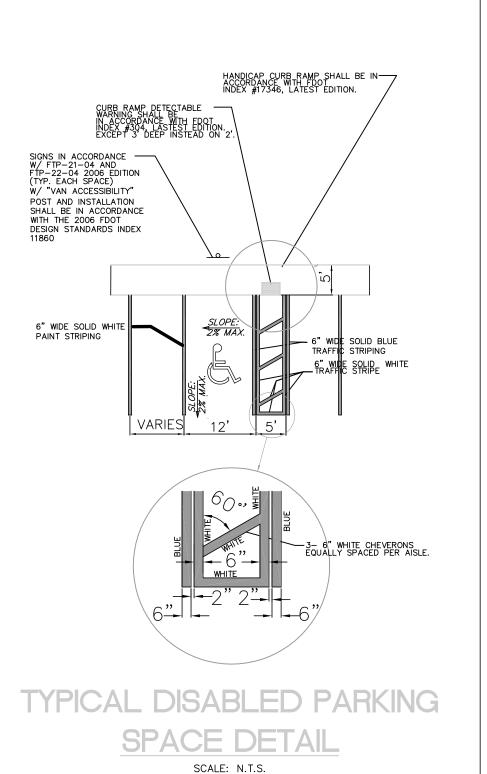
CONCRETE PAVING DETAIL

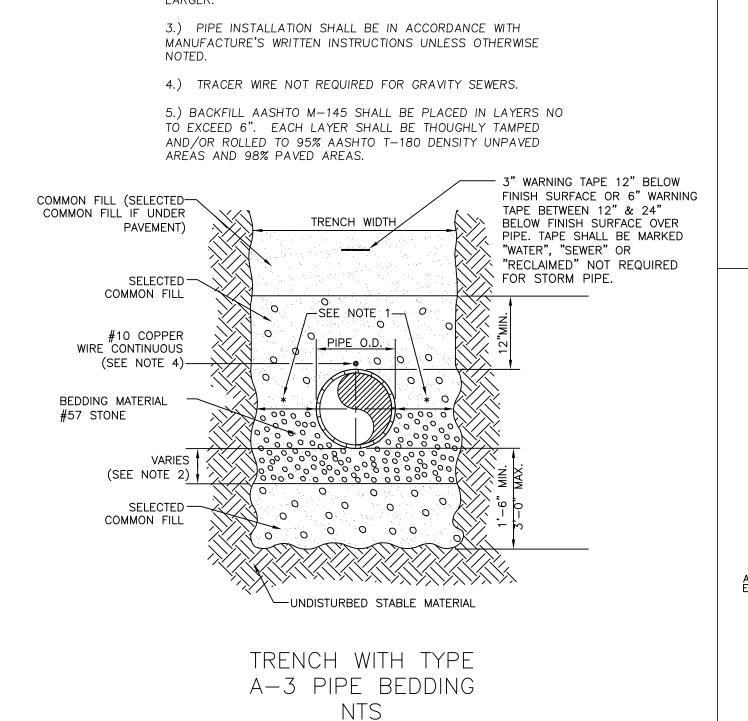




TOE FOOTING DETAIL

SCALE: NOT TO SCALE

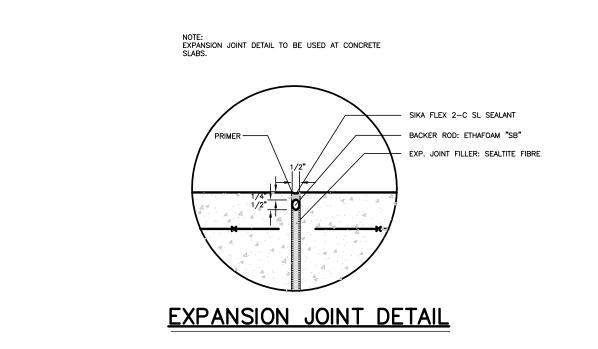


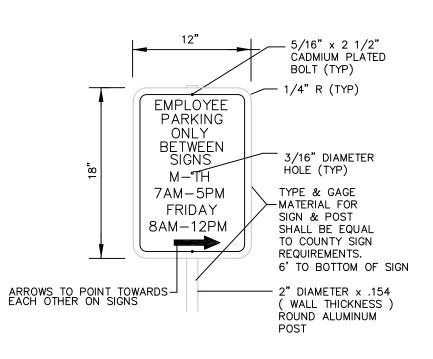


1.) 10" MAX. FOR PIPE DIA. LESS THAN 24"; 12" MAX. FOR PIPE DIA. 24" AND LESS THAN 42"; 24" MAX. FOR PIPE DIA.

2.) 4" MAX. FOR PIPE 16" DIA. & LESS; 6" MAX. FOR PIPE

PIPE 18" TO 36" DIA.; AND 9" MAX. FOR PIPE 42" DIA. AND





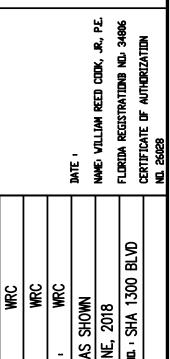
SIGN DETAIL

EMPLOYEE PARKING SIGN

WILLIAM R. COOK, JR., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 34806
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM R. COOK, P. E. ON 6/25/18.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

WRCOOK Engineering

H



GENERAL CONSTRUCTION NOTES

- 1. ALL PROPOSED CONSTRUCTION SHALL MEET OR EXCEED LATEST APPLICABLE
 CITY OF SARASOTA CONSTRUCTION STANDARDS AND SPECIFICATIONS. ALL PROPOSED
 CONSTRUCTION WILL BE PRIVATELY OWNED AND MAINTAINED FOLLOWING COMPLETION AND
- 2. THE CONTRACTOR IS TO COORDINATE THE LOCATION AND ELEVATION OF ALL FP&L, GTE AND IRRIGATION SERVICE SLEEVES WITH RESPECTIVE AGENCY
- 3. ALL PROPOSED ELECTRICAL AND COMMUNICATION SERVICES SHALL BE CONSTRUCTED
- TO LOCATIONS AS DIRECTED BY RESPECTIVE AGENCY.

 4. CURBING AT SIDEWALK INTERSECTIONS TO BE RECESSED FOR PEDESTRIAN
- RAMPS. RAMPS TO BE CONSTRUCTED AT TIME OF CURB RADII.
- 5. CONTRACTOR TO OBTAIN APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

SCHEDULE GUIDE.

- 6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND ISSUANCE OF ALL COMMENCEMENT AND/OR PROGRESS NOTICES TO GOVERNMENTAL AGENCIES DURING THE COURSE OF CONSTRUCTION, AS REQUIRED FOR INSPECTION, TESTING AND TRACKING PER APPLICABLE AGENCY PERMIT
- 7. NOTIFY CITY OF SARASOTA PRIOR TO THE INTIATION OF CONSTRUCTION.
- 8. CONTRACTOR TO NOTIFY "SUNSHINE", THE CITY, AND FDOT IN THE PRESCRIBED TIME PRIOR TO START OF CONSTRUCTION.
- 9. ALL REQUIRED AND EXISTING ROADWAY STRIPING, PAVEMENT SYMBOLS, AND RAISED PAVEMENT MARKERS TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND MEET CITY OF SARASOTA AND FDOT STANDARDS.
- 10. TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, CURBS, PAVEMENTS, TRACTS, AND SOIL BORING DATA GIVING THE NATURE OF GROUND AND SUBSURFACE CONDITIONS HAVE BEEN OBTAINED FROM RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOILS TESTS NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
- 11. ALL CONSTRUCTION STAKEOUT AND RECORD DRAWING INFORMATION IS TO BE PERFORMED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
- 12. THE CONTRACTOR SHALL SUPPLY THE ENGINEER OF RECORD (EOR) WITH ALL NECESSARY TEST INFORMATION TO CERTIFY THE JOB IS COMPLETE PER CITY OF SARASOTA STANDARDS. THIS SHALL INCLUDE BUT NOT LIMITED TO DENSITY & LBR TESTING OF BASE & SUB-BASE MATERIAL & BACTERIOLOGICAL CLEARENCE.
- 13. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMIT CONDITIONS AND STIPULATIONS FOR ALL LOCAL, REGIONAL AND STATE AGENCIES, INCLUDING, BUT NOT LIMITED TO PLOT & FINAL SITE PLANS, UTILITIES, DRAINAGE, FUGITIVE PARTICULATES AND EROSION.
- 14. ALL DRAINAGE, GRADING, WATER, AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF SARASOTA, SARASOTA COUNTY STANDARDS AND SPECIFICATIONS.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR ALL SODDED AND SEEDED AREAS BEING WATERED AND FERTIZED UNTIL THE PROJECT IS COMPLETED AND ACCEPTED BY THE OWNER.
- 16. THE OWNERS SHALL SUPPLY THE ENGINEER WITH A PHOTOCOPY OF ALL COMPACTION TESTS AND OTHER REQUIRED MATERIALS TESTS UNDER THE TESTING
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PAYING FOR ALL REQUIRED TESTING WITH THE GEOTECHNICAL ENGINEER. UPON COMPLETION OF THE WORK, THE GEOTECHNICAL ENGINEER SHALL SUBMIT CERTIFICATIONS TO THE ENGINEER AND OWNER THAT STATE THAT ALL REQUIREMENTS HAVE BEEN MET.
- 18. THE CONTRACTOR SHALL REVIEW ALL PROJECT GEOTECHNICAL REPORTS, IF PROVIDED, PRIOR TO BIDDING AND THE START OF CONSTRUCTION.
- 19. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED CONSTRUCTION DRAWINGS AND ALL PERMITS AT THE CONSTRUCTION SITE.
- 20. ALL CONSTRUCTION AND CONSTRUCTION TESTING SHALL MEET OR EXCEED THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2014. SHOULD THERE BE A CONFLICT BETWEEN ANY NOTED SPECIFICATIONS, THE MOST STRINGENT SHALL SUPERSEDE. THE CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD A CERTIFIED LETTER FROM HIS GEO—TECHNICAL ENGINEER THAT STATES SAID SPECIFICATIONS HAVE BEEN MET.
- 21. ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL TRENCH SAFETY REQUIREMENTS.
- 22. THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL GOVERNMENTAL AGENCY CONDITIONS OF APPROVALS.
- 23. THE CONTRACTOR SHALL OBTAIN A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PRIOR TO CONSTRUCTION, IF REQUIRED.
- 24. ALL AREAS DISTRURBED BY CONSTRUCTION SHALL BE SODDED W/ BAHIA UNLESS OTHERWISE NOTED.
 25. LEFT BLANK.
- 26. CONTRACTOR SHALL OBTAIN A CITY OF SARASOTA RIGHT OF WAY USE PERMIT PRIOR TO CONSTRUCTION WITHIN CITY OF SARASOTA RIGHT OF WAY.
- 27. ALL PAVEMENT MARKING SHALL MEET THE RETROREFLECTIVITY REQUIREMENTS OF THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 28. ALL THE SIGNING AND PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT DESIGN STANDARDS, AND THE CITY OF SARASOTA.

CLEARING AND GRUBBING NOTES

- 1. EROSION CONTROL PREVENTIVE METHODS, SILT SCREENS
 SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF EARTHWORK
 CONSTRUCTION TO MINIMIZE EROSION AND SEDIMENTARY RUNOFF. THE
 CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR ANY
 POTENTIAL EROSION PROBLEMS. IF ANY POTENTIAL EROSION PROBLEMS
 ARE ENCOUNTERED, OR HAVE OCCURRED, THE CONTRACTOR SHALL
 INSTALL PROPER EROSION CONTROL MEASURES IMMEDIATELY. STORMWATER
 TREATMENT FACILITIES ARE TO BE CONSTRUCTED EARLY IN SITE
 DEVELOPMENT, WITH NO UNTREATED RUNOFF OFF—SITE OCCURRING DURING
 CONSTRUCTION.
- 2. EROSION CONTROL AND FUGITIVE PARTICULATE ABATEMENT PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. ALL EXISTING TREES AND BRUSH DESIGNATED FOR REMOVAL ARE TO BE CLEARED AND DISPOSED OF OFFSITE, OR BURNED ON—SITE IF APPROVED BY THE DISTRICT FIRE DEPARTMENT AND COUNTY HEALTH DEPARTMENT. ALL EXISTING TREES AND UNDERBRUSH AREAS THAT ARE TO REMAIN UNDISTURBED SHALL BE PROTECTED BY BARRICADES. THE CONTRACTOR SHALL INSTALL SAID BARRICADES AT COMMENCEMENT OF CONSTRUCTION AND REMOVE FOLLOWING FINAL GRADING AND LANDSCAPING.
- SODDING AND/OR GRASSING TO BE COMPLETED IMMEDIATELY UPON COMPLETION OF FINISH GRADING. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FUGITIVE PARTICULATE ABATEMENT PLAN (DUST
- 5. PROPOSED PARKING AND BUILDING AREAS SHALL BE CLEARED OF ALL TREES AND BRUSH, AND STRIPPED TO A MINIMUM DEPTH OF 18" BELOW EXISTING GRADE AND/OR BOTTOM OF ORGANIC LAYER.
- 6. REMOVAL OF ALL EXOTIC NUISANCE PLANT SPECIES FROM THE UPLAND PORTIONS OF THE SITE SHALL BE COMPLETED PRIOR TO THE FIRST CERTIFICATE OF OCCUPANCY ISSUANCE OR FINAL PLAT APPROVAL.

		TEST TYPE	TEST I.D.	REQUIREMENT	FREQUENCY
Enbankment		Maximum Density Optimum Moisture	AASHTO T180 ASTM D1557	N/A	Per Soil Type
		Field Density	AASHTO T191 , T204	95% of maximum	One Per 2,500 S.F.
			T238 ASTM D1556 , D2937	Density	Horizontally * ; Alternating Lifts (12 Inches)
			D2922		
Utility		Maximum Density	AASHTO T180	N/A	Per Soil Type
Trench Backfi Under Roadwo		Optimum Moisture Field Density	ASTM D1557 AASHTO T191 , T204	98% of maximum	One Per 2,500 S.F.
and Structures		Ticia Delisity	T238	Density	Horizontally * ;
			ASTM D1556 , D2937 D2922		Every 2' Vertically D2922
					At least one for each pipe run
Backfill of		Maximum Density	AASHTO T180	N/A	Per Soil Type
Structures	Optimum Moisture Field Density	ASTM D1557	·	· ·	
		rieid Density	AASHTO T191 , T204 T238	98% of maximum Density	Every 2' Vertically
		ASTM D1556 , D2937 D2922	·		
Base		Bearing Values	LBR — FLA. D.O.T.		One Per Source or as Mtl. Change Check Point LBR at 500 L. F. Hol
		Maximum Density	AASHTO T180	See Typical	One Per Source
		Optimum Moisture Thickness	ASTM D1557 AASHTO T191 , T238	Pavement Section	One Per 2,500 S.F.
		Field Density	ASTM D1556 , D2922		Horizontally
		Gradation	AASHTO T27 , T98 AASHTO T90		One Per Source
		Atterberg Limits	ASTM C136 , D423 , D4	124	
Asphaltic Cor		Materials Quality	AASHTO T164		
Asphaltic Cor		Materials Quality Bitumen Content , Gradation	AASHTO T164 ASTM D2172	Per Specifications	One Per Day
Asphaltic Cor		Bitumen Content ,		Per Specifications 95% of Lab Density	One Per 2,500 S.F.
Asphaltic Cor		Bitumen Content , Gradation Field Density	ASTM D2172 ASTM 02950-81		
Asphaltic Cor		Bitumen Content , Gradation	ASTM D2172		One Per 2,500 S.F. Horizontal One Per Source
Asphaltic Cor		Bitumen Content , Gradation Field Density Los Angeles	ASTM D2172 ASTM 02950-81 AASHTO T96-77	95% of Lab Density	One Per 2,500 S.F. Horizontal

TESTING SCHEDULE GUIDE

DRAINAGE AND GRADING NOTES

- 1. THE CONTRACTOR IS TO PROVIDE THE ENGINEER OF RECORD WITH REPRODUCIBLE RECORD DRAWINGS SHOWING ALL IMPROVEMENT LOCATIONS AND ELEVATIONS IN ACCORDANCE WITH LATEST CITY OF SARASOTA STANDARDS AND SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) STANDARDS. THE CONTRACTOR SHALL ALSO PROVIDE FIVE SETS OF PRINTS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR, OF THE RECORD DRAWINGS TO THE ENGINEER OF RECORD. SAID RECORD DRAWINGS, AT A MINIMUM, SHOULD INCLUDE ALL INFORMATION SHOWN ON THE CONSTRUCTION PLANS.
- 2. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS SHALL BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SEDIMENTATION BARRIERS IN A WORKING MANNER FOR THE DURATION OF CONSTRUCTION AND SHOULD BE CHECKED DAILY. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN UPLAND AREAS. IN ADDITION TO SPECIFIED EROSION CONTROL LOCATIONS, THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR POTENTIAL EROSION PROBLEMS. IF PROBLEMS OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING APPROPRIATE EROSION CONTROL IMMEDIATELY. STORMWATER TREATMENT FACILITIES INCLUDING OUTFALL PER DETAIL ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO OFF-SITE UNTREATED RUNOFF OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND FINAL STABILIZATION. SOIL SHOULD BE WATERED DURING ANY INDICATION OF AIRBONE MATERIALS. THE CONTRACTOR IS RESPONSILBLE FOR THE DAILY FUNCTION OF ALL EROSION CONTROL DEVICES AND SHOULD LEAVE THEM IN PLACE UNTIL THE JOB IS DEEMED COMPLETE BY THE ENGINEER OF RECORD (EOR) AND ALL APPLICABLE GOVERNMENT AGENCIES.
- 3. ALL EXISTING DRAINAGE, AS SHOWN, WAS TAKEN FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION, SIZE, TYPE OF EXISTING DRAINAGE FACILITY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY "CALL SUNSHINE" (PH. 1-800-432-4770), CIT OF SARASOTA AND FP&L 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION FOR POSSIBLE DRAINAGE LOCATIONS NOT SHOWN ON PLANS.

- 4. AS-BUILT STORMWATER FACILITY LOCATIONS, INCLUDING TOP OF BANK, UNDERDRAIN AND CONTROL STRUCTURES, SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT. BENCH MARKS WITH THE ELEVATION CLEARLY AND PERMANENTLY MARKED ARE TO BE PLACED ON THE TOP OF ALL PROPOSED OUTFALL CONTROL STRUCTURES. AS-BUILTS OF ALL MITIGATION AREAS INCLUDING ELEVATIONS, ZONES AND LIMITS SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT.
- 5. ALL PIPE LENGTHS SHOWN ON PLAN VIEW ARE TO THE END OF THE MITERED END SECTION & INSIDE EDGE OF STRUCTURES. REFER TO MITERED END SECTION DETAIL FOR LENGTH OF PIPE TO BE INCLUDED IN PRICE FOR MITERED END SECTION.
- RIGHT OF WAY USE PERMIT TO BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT OF WAY, IF REQUIRED.
- 7. THE CONTRACTOR SHALL VERIFY TOPOGRAPHY AND SATISFY HIMSELF AS TO THE EXTENT OF FILL NECESSARY TO ACHIEVE FINISHED GRADE PRIOR TO AWARD OF CONTRACT. THERE SHALL BE NO CLAIM FOR EXTRAS NOTWITHSTANDING SITE PLAN REVISIONS PROMULGATED SUBSEQUENT TO AWARD OF CONTRACT.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ESTIMATING AND CALCULATING ALL CUT AND FILL QUANTITIES. PRIOR TO BID SUBMISSION THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOIL TESTS HE DEEMS NECESSARY TO CALCULATE THE CUT AND FILL QUANTITIES PROPERLY. ADDITIONAL SURVEYS AND TESTS MADE BY THE CONTRACTOR SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- ROADSIDE UNDERDRAIN SHOWN ON PLAN IS MINIMUM AND EXTENSION SHALL BE REQUIRED AS DETERMINED NECESSARY BY THE ENGINEER OF RECORD AND/OR MCPWD INSPECTION DEPARTMENT DURING THE COURSE OF CONSTRUCTION.
- ALL BIDDERS ARE HEREBY ADVISED THAT ALL EXCAVATION SHALL COMPLY WITH ALL SAFETY REQUIREMENTS.

- 11. SUITABLE FILL MATERIAL SHALL BE BASED ON THE PROJECT GEO—TECHNICAL ENGINEER'S DETERMINATION.
- 12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
- 13. REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
- 14. ALL EASEMENTS AS SHOWN WITHIN THE PROJECT BOUNDARY LIMITS ARE TO BE CONSIDERED PUBLIC (UNLESS OTHERWISE STATED). EASEMENTS TO BE GRANTED IN CONJUNCTION WITH RECORD PLAT PROCESSING.
- 15. ALL FILL AREAS AND PAVEMENT AREAS SHALL BE CONSTRUCTED PER THE GEO—TECHNICAL REPORT OR THESE PLAN, WHICH EVER IS MORE STRINGENT.
- 16. THE CONTRACTOR IS TO REVIEW SOILS TESTS AS PERFORMED BY THE SOIL CONSULTANT AND IS ENCOURAGED TO CONDUCT ON—SITE TESTING TO SATISFY HIMSELF AS TO ACTUAL LIMITS OF REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIALS PRIOR TO BIDDING.

WILLIAM R. COOK, JR., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 34806
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM R. COOK, P. E. ON 6/25/18.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

WRCOOK Engineering LL

3012 RIVERVIEW BLVD., BRADENTON, FL 34205
PHONE: (941) 224-4383
E-MAIL ADDRESS: reed@wrcookengineering.com

0

Z

 $\overline{\forall}$

 $\overline{\Box}$

9

ART

 \Box

WRC
S SHOWN

L. SHA 1300 BLVD

WRC

DATE I

DA