

SITE IMPROVEMENT PLAN FOR SARASOTA HOUSING AUTHORITY

**1300 BOULEVARD OF THE ARTS
SARASOTA, FLORIDA 34234**

LEGEND

SYMBOL	DESCRIPTION
B	BITUMINOUS PAVEMENT, SEE ASPHALT PAVEMENT DETAIL.
BD	CONSTRUCT BOLLARD 12" FROM GREASE TRAP. SEE DETAIL.
BE	CONSTRUCT PARKING SIGN. SEE DETAIL.
BM	BENCH MARK - SEE SURVEY PLAN.
CC	4000 P.S.I. CONCRETE CURBING (MIN. 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED) MEETING REQUIREMENTS OF ALL AUTHORITIES. PROVIDE EXPANSION JOINTS AT 20'-0" MAXIMUM. SEE TYPE VERTICAL CURB DETAIL AND SPECIFICATION.
CO	CLEAN OUT SHALL BE CONSTRUCTED EVERY 50'. SEE DETAIL.
CR	CURB TERMINUS. SEE DETAIL.
CS	CONSTRUCT "VISITOR PARKING" PAVEMENT SIGN WITH 10" HIGH LETTERS WITH PAINTING SPECIFICATIONS AS INDICATED WITH SYMBOL PAS BELOW IN LEGEND.
EJ	EXPANSION JOINT. SEE DETAIL.
GBL	GRADE BREAK LINE.
GR	CONSTRUCT GRAVEL FILLED BAGS FOR SILT SEDIMENT CONTROL AS REQUIRED.
GT	CONSTRUCT SCHIER GB-75 GREASE TRAP WITH AK1 ANCHOR KIT AND C24UP COVER. INSTALLATION SHALL BE ACCORDING TO MANUFACTURER'S GUIDE LINES W/ 5'X5'- 8" THICK 4000 PSI CONCRETE TOP W/6x6-W2.0xW2.0 WELDED WIRE MESH SET 2" BELOW TOP AND 4-#4BARS PLACED AROUND ACCESS LID SET 3" BELOW TOP AND 2" CLEAR ON ALL SIDES.
HC	CONSTRUCT 2' WIDE HANDICAP DETECTABLE WARNING SURFACE PER ADA REQUIREMENTS FULL WIDTH OF WALKWAY PER FDOT INDEX 304.
HCS	CONSTRUCT HANDICAP SIGN PER ADA REQUIREMENTS.
MP	MOTORCYCLE AND MOPED PARKING.
MOT	MAINTENANCE OF TRAFFIC- REFER TO FDOT INDEXES 616, 628, 660 AND RELATED INDEXES. IN ADDITION CONTRACTOR SHALL NOTE CITY OF SARASOTA REQUIREMENTS.
MG	CONTRACTOR SHALL MATCH PROPOSED GRADE TO EXISTING GRADE WITH SMOOTH TRANSITION AT 4 HORIZ.: 1VERT. SLOPE IN UNPAVED AREAS UNLESS OTHERWISE NOTED.
P	CONSTRUCT 6" DIA. SCH. 40 PVC @1.0% WITH CLEANOUTS AS INDICATED ON PLAN. CONTRACTOR SHALL GROUT ALL JOINTS AT INLET TIE-IN POINTS WITH NON SHRINK GROUT FOR TIGHT SEAL. THIS ITEM SHALL INCLUDE ALL COSTS FOR MATERIALS, BENDS, CONFLICT RESOLUTION, APPURTENANCES AND LABOR FOR CONSTRUCTION.
PAS	TYPICAL PARKING SPACE 6" WIDE WHITE PAINT STRIPE (10 MILS THICK MIN.). ALL MARKINGS SHALL MEET THE RETROREFLECTIVITY 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 WHERE ON THESE PLANS OR ON ARCHITECT'S PLANS, REINFORCED WITH 1 LAYER OF 6x6-W2.0xW2.0 WELDED WIRE MESH SET 2" BELOW TOP. SUBGRADE UNDER SIDEWALKS SHALL BE COMPACTED TO 98% AASHTO T-180.
RC6	6" THICK 4000 P.S.I. CONCRETE, UNLESS NOTE ELSE WHERE ON THESE PLANS OR ON ARCHITECT'S PLANS, REINFORCED WITH 1 LAYER OF 6x6-W2.0xW2.0 WELDED WIRE MESH SET 2" 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 APPROVED AREA. SITE AREA SHALL BE CLEARED OF ALL ORGANIC SOILS AND MATERIALS AND MECHANICALLY ROOT RACKED TO A DEPTH OF 18" BELOW EXISTING GRADE TO REMOVE ALL ROOTS. DEMO MAY EXTEND OUTSIDE OF AREA SHOW TO ACCOMMODATE CONSTRUCTION.
SC	SEALCOAT: CONTRACTOR SHALL CLEAN PAVEMENT SURFACE OF ALL LOOSE DUST, DIRT, LEAVES AND ANY FOREIGN MATERIALS IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATIONS. CONTRACTOR SHALL CONSTRUCT POLYUR, FROM GEMSEAL, HEAVY DUTY PAVEMENT SEAL AND APPLY PER THE MANUFACTURE'S RECOMMENDATIONS. CONTRACTOR SHALL ADD 3-5 POUNDS OF SAND TO THE SEALCOAT AS DESCRIBED 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 COAT AND 0.10-0.12 FOR THE SECOND AND THIRD COATS. AFTER CURING TIME CONTRACTOR SHALL CONSTRUCT PAINT STRIPING. LIMITS OF SEALCOAT SHALL BE ASPHALT AREAS WITHIN THE PROPERTY.
SCR	SILT SCREEN SHALL BE LOCATED ON PROPERTY LINE UNLESS OTHERWISE SHOWN. SEE DETAIL.
SG	SIDEWALK GRADE.
SN1	CONSTRUCT YARD DRAIN WITH REMOVAL BE METAL WATER TIGHT COVER WITH HANDLE OVER GRATE. SEE DETAIL.
SOD	SOD AREA: TOPSOIL, LIME, FERTILIZER AND SOD W/ BAHIA IN ALL AREAS DISTURBED BY CONSTRUCTION.
SW	CONSTRUCT SIDEWALK WITH SAW CUT EVERY 5' UNLESS OTHERWISE NOTED.
SWC	SAW CUT.
TEE	DOWN TURNED 6"x6" ADS N12 TEE.
TF	TOE FOOTING- SEE DETAIL.
UD	CONSTRUCT 2'-20' 6" DIA PERFORATED ADS #12 PIPE @ 0.50% W/ WASHED #57 STONE, LIGHTLY COMPACTED, TO INCLUDE ALL END CAPS, BENDS, CONNECTION TO PVC, TEES AND APPURTENANCES, MATERIALS AND LABOR REQUIRED TO CONSTRUCT UNDERDRAIN SYSTEM AND CONNECTION TO P1 FOR EACH PIPE. SEE DETAIL.
WL	EX. WATER LINE TO REMAIN.
	FLOW DIRECTIONAL INTENT.
	EXISTING FEATURES.
	EXISTING ITEMS TO BE REMOVED.
	PLAN CHANGES.

UTILITY COMPANIES AND FIRE DEPARTMENTS:

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

POWER: FPL
1851 WHITFIELD AVE
SARASOTA, FL 34243

TELEPHONE: FRONTIER
5631 28TH ST. WEST
BRADENTON, FL 34207

FIRE DEPT: SARASOTA COUNTY
PH: 941-881-5000

TECO PEOPLES GAS: (813) 275-3700

NOTE:

SEALCOAT. IT IS NOT THE ENGINEER'S RECOMMENDATION 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.

SITE DATA

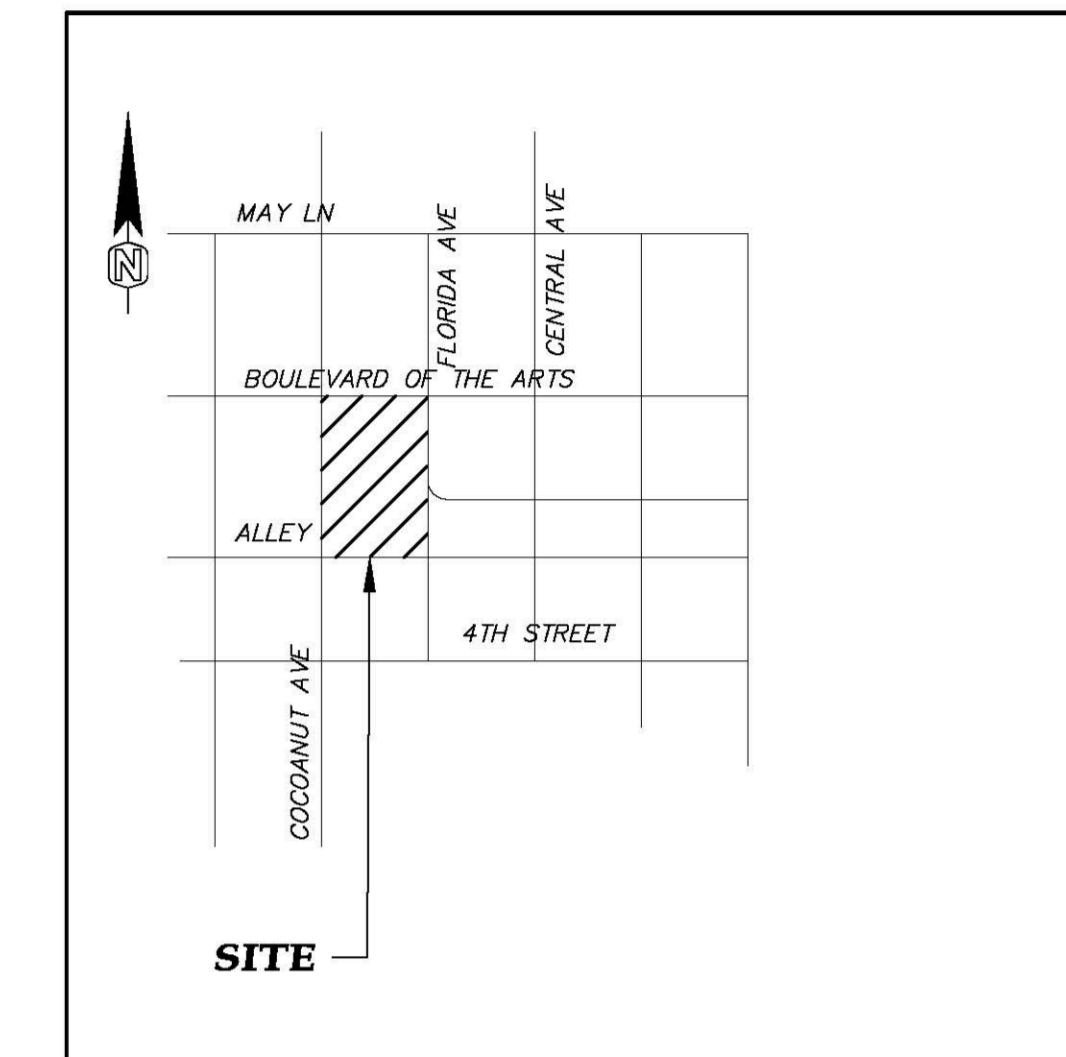
SARASOTA COUNTY TAX ID NO: 2026120011

OWNER/ APPLICANT:
SARASOTA HOUSING AUTHORITY
269 S. OSPREY AVENUE, SUITE 100
SARASOTA, FLORIDA 34236
(941) 361-6210

ENGINEER:
W. R. COOK ENGINEERING, LLC
3012 RIVERVIEW BLVD.
BRADENTON, FL 34205
PH. (941) 224-4839
E-MAIL : WRCOOK@RIVERVIEWONLINE.COM

SURVEYOR:
OMC SURVEYING AND MAPPING
518 15TH ST. W.
BRADENTON, FLORIDA 34205
(941) 345-5451

LOCATION MAP



NOT TO SCALE

INDEX OF DRAWINGS

- 1 TITLE SHEET
- 2 DEMO PLAN
- 3 SITE PLAN
- 4 ENLARGEMENT PLAN
- 5 JOINT PLAN
- 6 DETAILS
- 7 GENERAL NOTES

NO.	DATE	REVISIONS
7.		
6.		
5.		
4.		
3.		
2.		OWNER'S REQUEST W/ MISCELLANEOUS ITEMS.
1.	7/26/18	CHANGED SEALCOAT NOTE IN LEGEND PER

SIGNED:

William R Cook Jr
Digitally signed by William R Cook Jr
Date: 2018.08.02 14:02:41 -04'00'

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 8/2/18.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

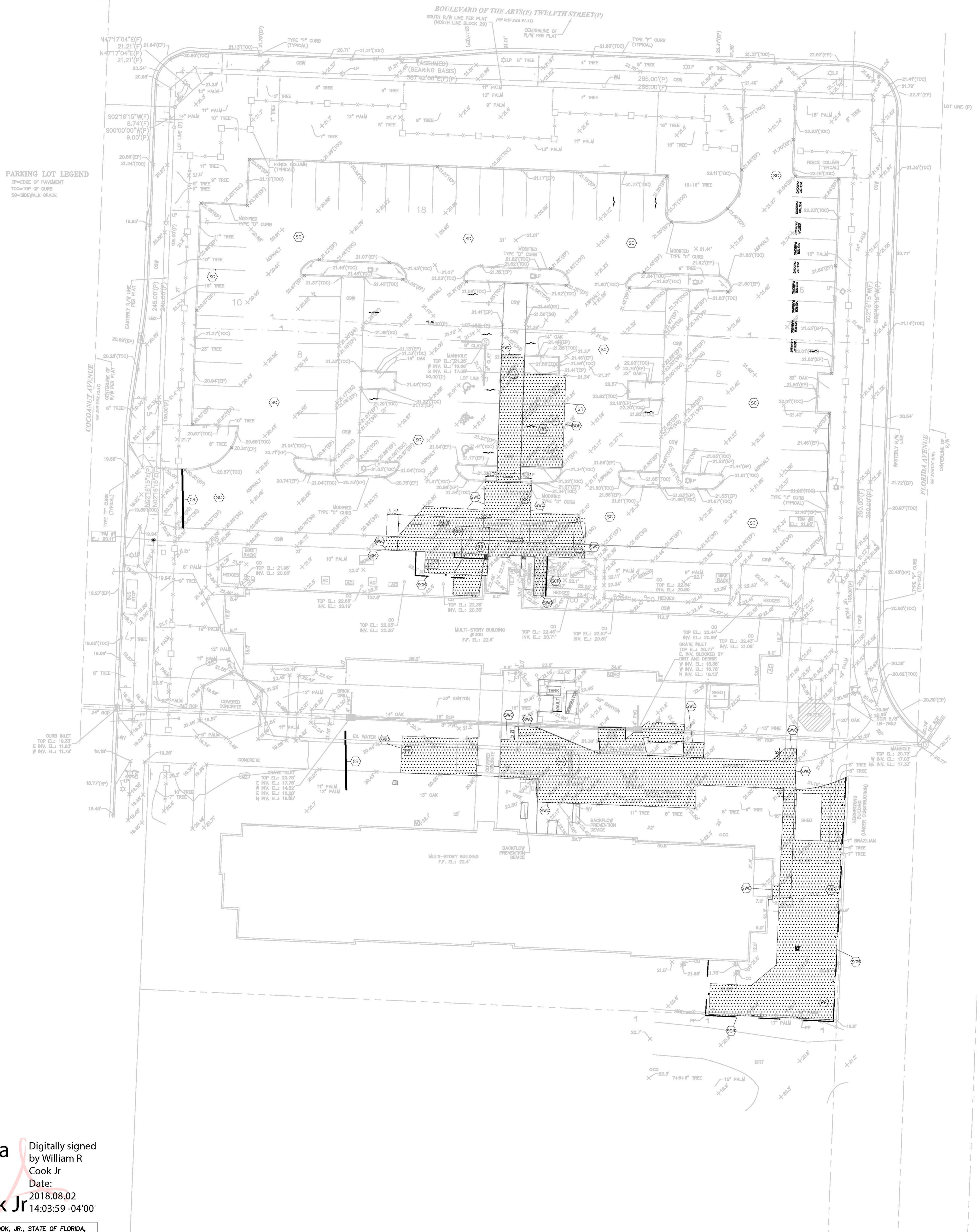
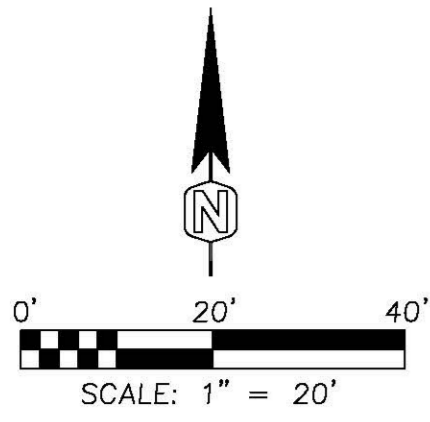
WILLIAM R. COOK, JR., P.E.
REGISTRATION NO. 34806

DATE: _____

JOB NO:
SHA
SHEET
1

WRCook Engineering, LLC

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



William R. Cook Jr.
 Digitally signed by William R. Cook Jr.
 Date: 2018.08.02 14:03:59 -04'00'

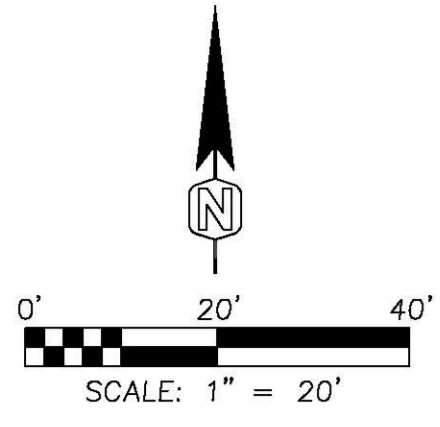
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DESIGNED BY	WRC
DRAWN BY	WRC
CHECKED BY	WRC
APPROVED BY	WRC
SCALE	AS SHOWN
DATE	JUNE, 2018
PROJECT NO.	SHA 1300 BLVD
SHEET	2

WRCook Engineering, LLC
 2012 RIVERVIEW BLVD., BRADENTON, FL 34205
 PHONE: (941) 224-4939
 E-MAIL ADDRESS: Reed@WRCookEngineering.com
 CERTIFICATE OF AUTHORIZATION 20509

TITLE
**1300 BOULEVARD OF THE ARTS
 DEMO PLAN**
 SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

NO.	DATE	REVISIONS
7.		
6.		
5.		
4.		
3.		
2.		TO INLET PER OWNER'S REQUEST & MISC. ITEMS
1.	8/2/18	ADDED UNDERDRAIN SYSTEM AND REMOVED PIPE



PARKING LOT LEGEND
 EP—EDGE OF PAVEMENT
 TOO—TOP OF CURB
 SG—SIDEWALK GRADE



William R Cook Jr Digitally signed by William R Cook Jr
 Date: 2018.08.02 14:05:04 -04'00'

WILLIAM R. COOK, JR., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 34805
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM R. COOK, P. E. ON 8/2/18.
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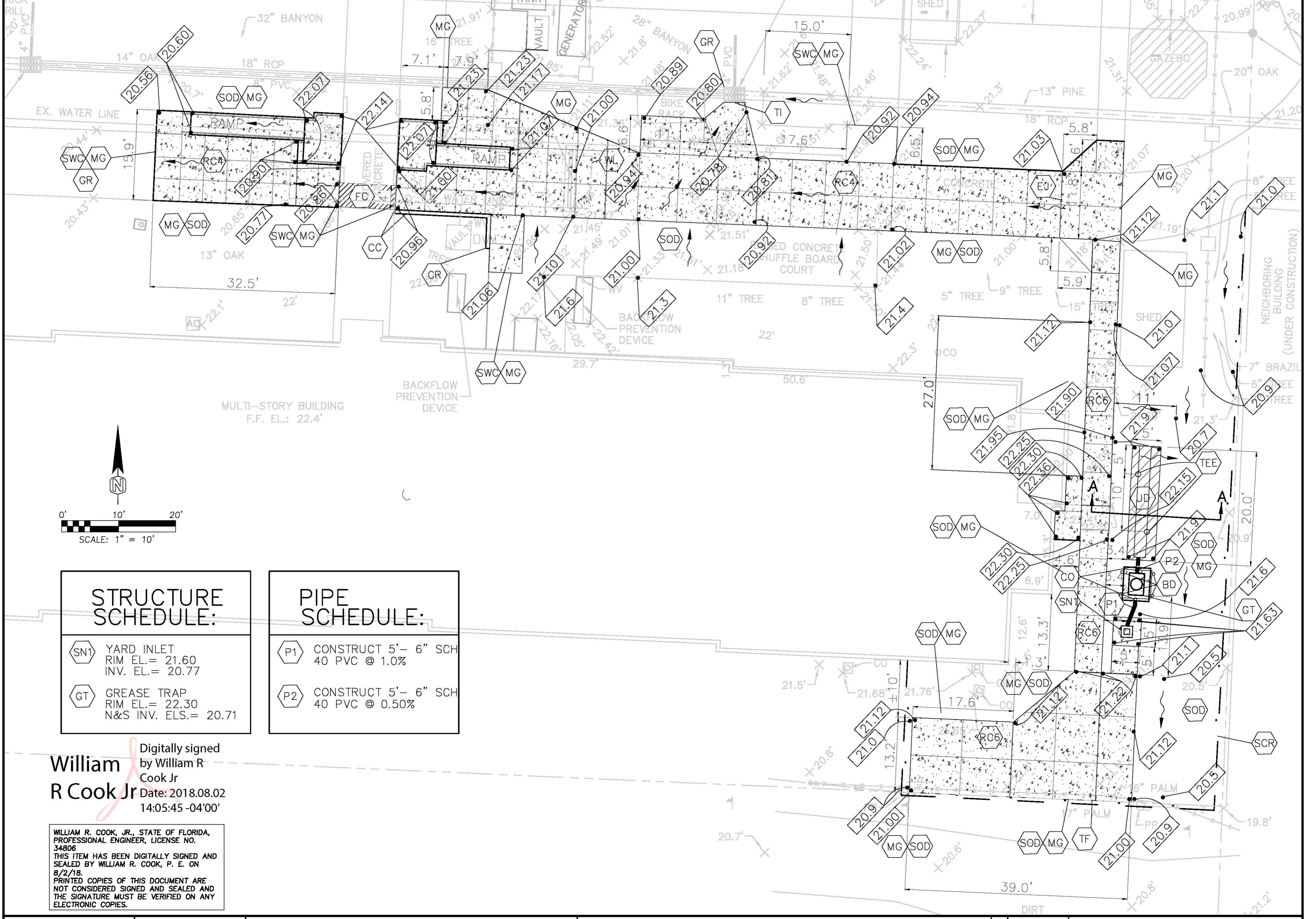
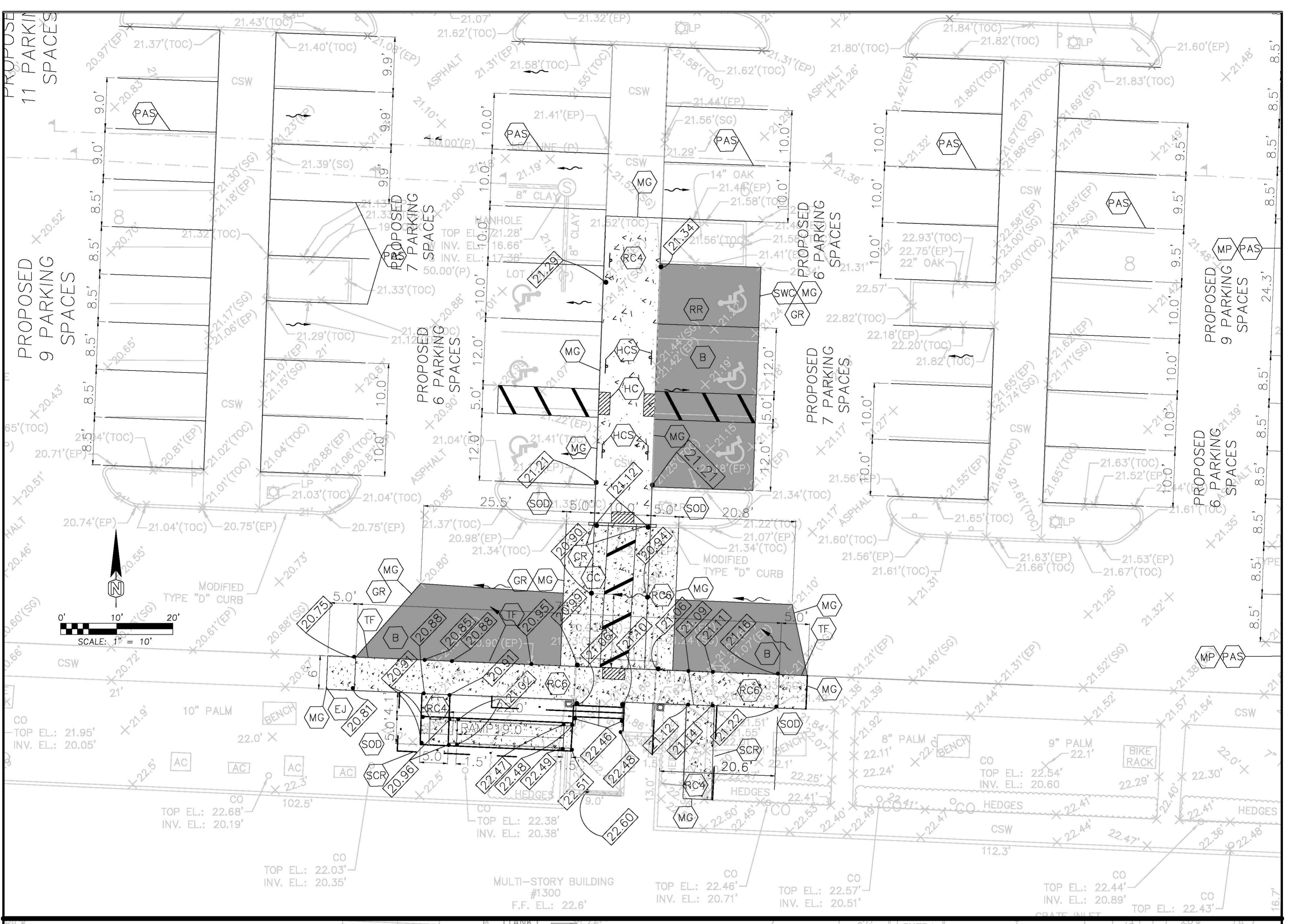
DESIGNED :	WRC
DRAWN :	WRC
CHECKED :	WRC
APPROVED :	WRC
SCALE :	AS SHOWN
DATE :	JUNE, 2018
PROJECT NO. :	SHA 1300 BLVD
SHEET :	3

DATE :
 WWS WILLIAM REED COOK, JR., P.E.
 FLORIDA REGISTRATION NO. 34806
 CERTIFICATE OF AUTHORIZATION
 NO. 26029



TITLE
 1300 BOULEVARD OF THE ARTS
SITE PLAN
 SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

NO.	DATE	REVISIONS
7.		
6.		
5.		
4.		
3.		
2.	8/2/18	ADDED UNDERDRAIN SYSTEM AND REMOVED PIPE
1.	1/4/18	PARKING SPACE CHANGES PER CLIENT



STRUCTURE SCHEDULE:

SN1	YARD INLET RIM EL. = 21.60 INV. EL. = 20.77
GT	GREASE TRAP RIM EL. = 22.30 N&S INV. ELS. = 20.71

PIPE SCHEDULE:

P1	CONSTRUCT 5'-6" SCH 40 PVC @ 1.0%
P2	CONSTRUCT 5'-6" SCH 40 PVC @ 0.50%

Digitally signed
 by William R
 Cook Jr
 Date: 2018.08.02
 14:05:45 -04'00'

WILLIAM R. COOK, JR., STATE OF FLORIDA,
 PROFESSIONAL ENGINEER, LICENSE NO.
 34806
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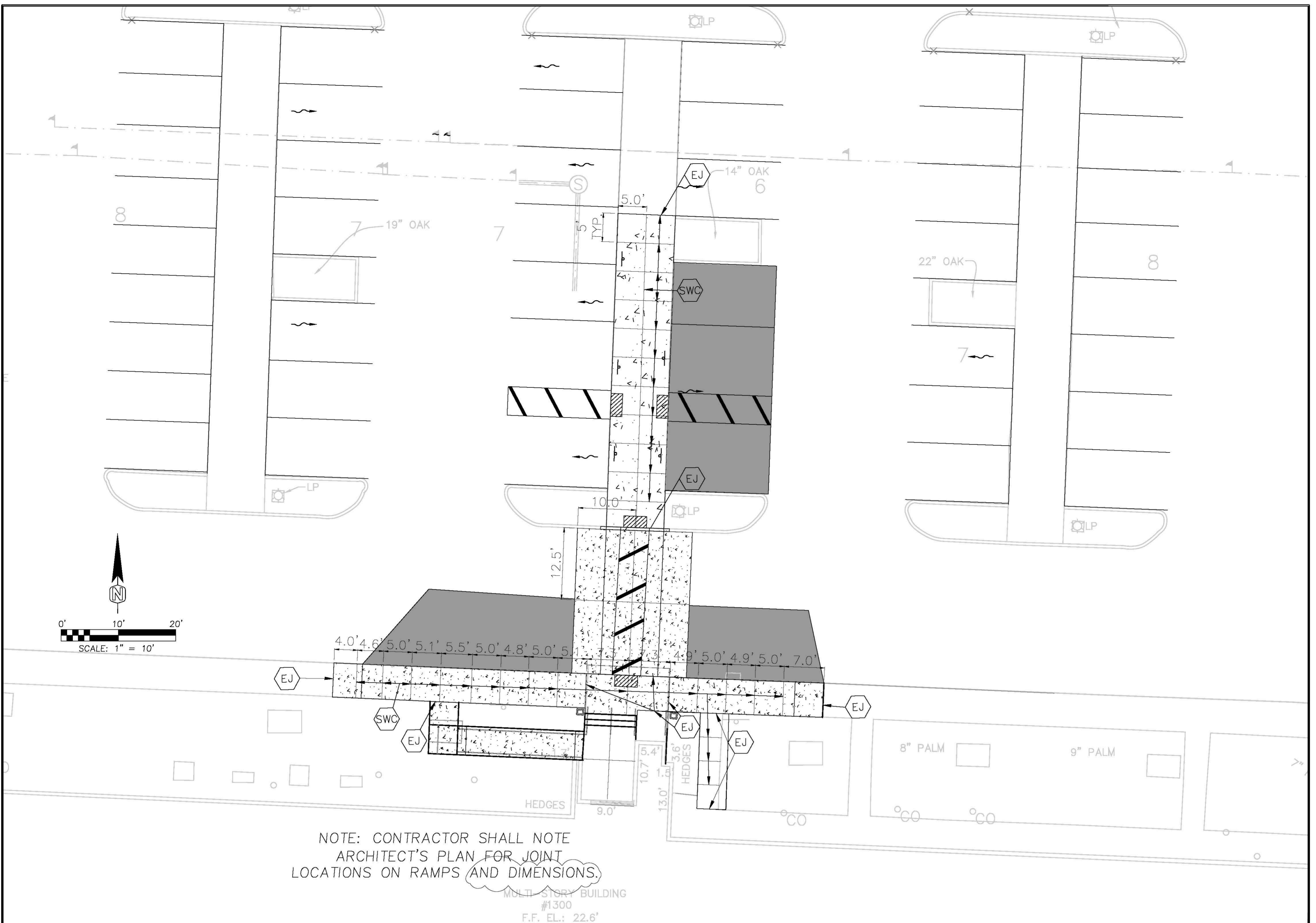
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DRAWN:	WRC
CHECKED:	WRC
APPROVED:	WRC
SCALE:	AS SHOWN
DATE:	JUNE, 2018
PROJECT NO.:	SHA 1300 BLVD
SHEET	4

DATE:
 NAME: WILLIAM REED COOK, JR., P.E.
 FLORIDA REGISTRATION NO. 34806
 CERTIFICATE OF AUTHORIZATION
 NO. 26289

WRCook Engineering, LLC
 3012 RIVERVIEW BLVD., BRADENTON, FL 34205
 PHONE: (941) 224-4439
 E-MAIL ADDRESS: Reed@WRCookEngineering.com
 CERTIFICATE OF AUTHORIZATION: 26289

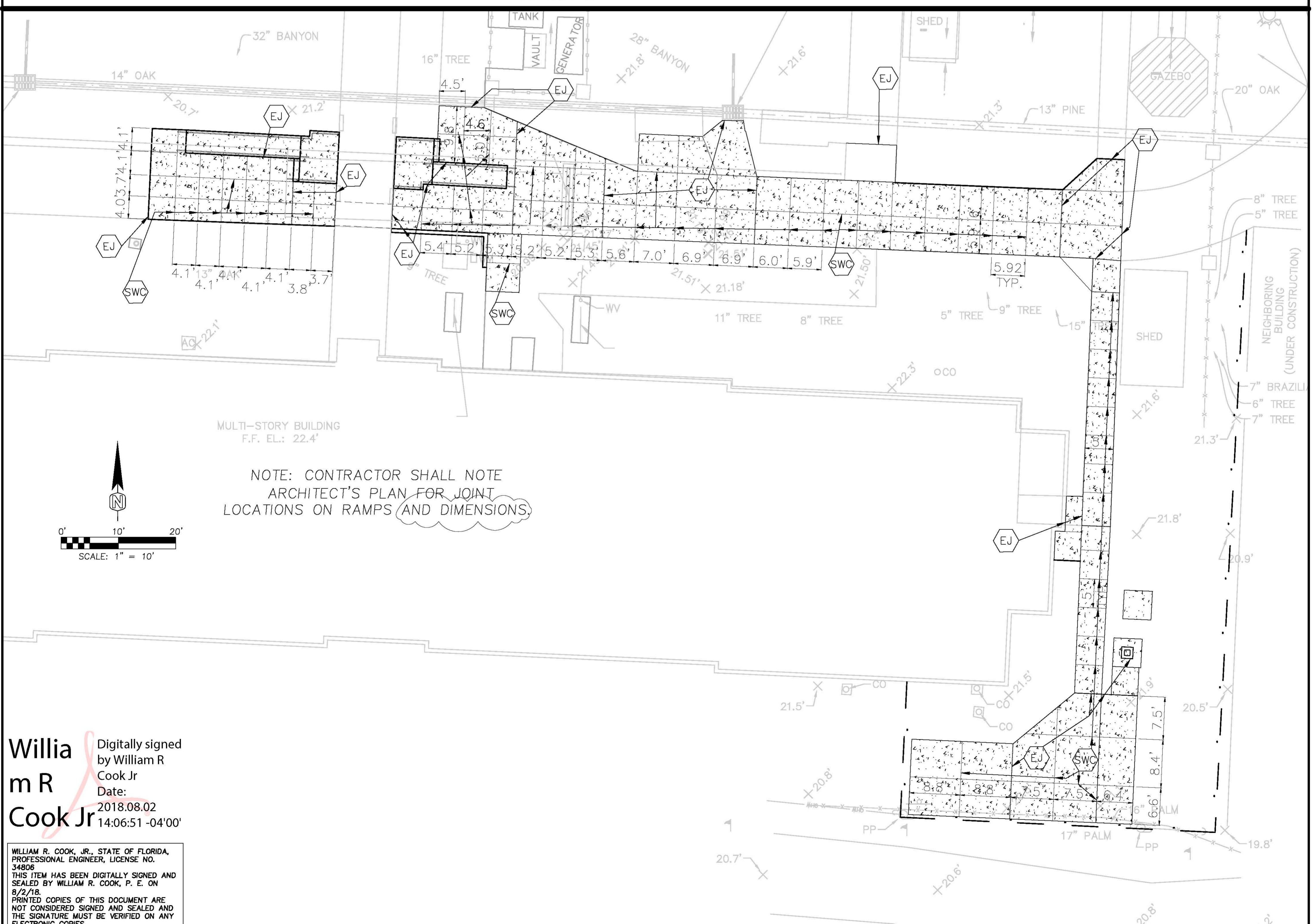
TITLE
 1300 BOULEVARD OF THE ARTS
ENLARGEMENT PLAN
 SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

7.		
6.		
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4.		
3.		
2.		
1.	8/2/18	TO INLET PER OWNER'S REQUEST & MISC. ITEMS. ADDED UNDERDRAIN SYSTEM AND REMOVED PIPE
NO.	DATE	REVISIONS



NOTE: CONTRACTOR SHALL NOTE ARCHITECT'S PLAN FOR JOINT LOCATIONS ON RAMPS AND DIMENSIONS.

MULTI-STORY BUILDING #1300 F.F. EL.: 22.6'



NOTE: CONTRACTOR SHALL NOTE ARCHITECT'S PLAN FOR JOINT LOCATIONS ON RAMPS AND DIMENSIONS.

MULTI-STORY BUILDING F.F. EL.: 22.4'

William R. Cook Jr.
 Digitally signed by William R. Cook Jr.
 Date: 2018.08.02 14:06:51 -04'00'

WILLIAM R. COOK, JR., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 34806
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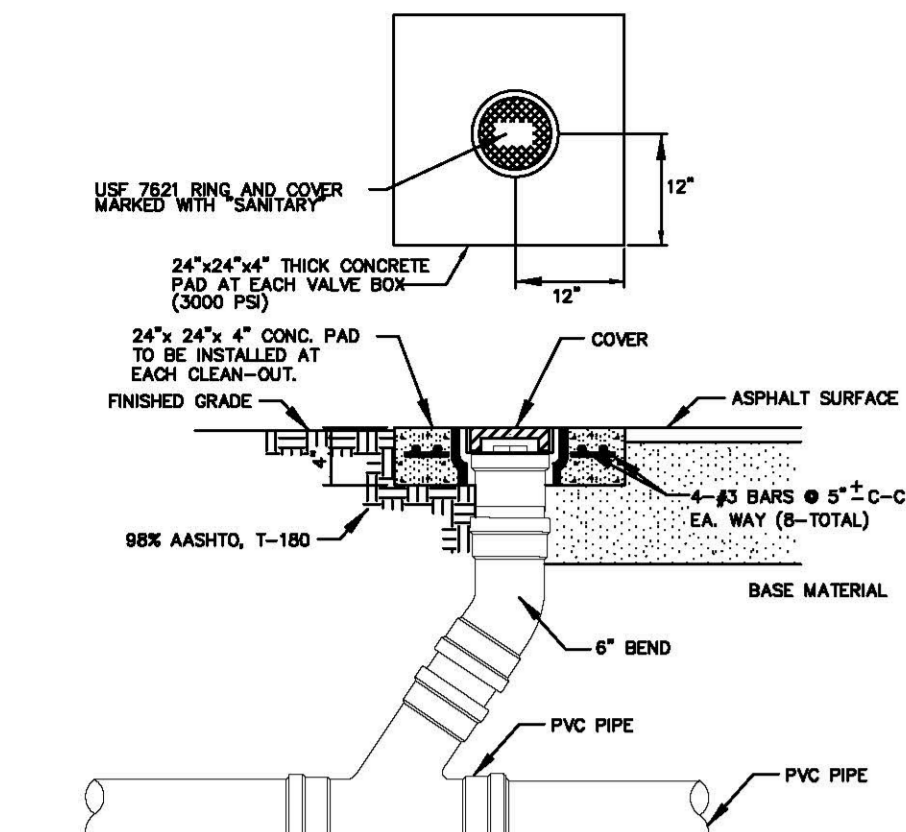
DESIGNED BY	WRC
DRAWN BY	WRC
CHECKED BY	WRC
APPROVED BY	WRC
SCALE	AS SHOWN
DATE	JUNE, 2018
PROJECT NO.	SHA 1300 BLVD
SHEET	5

DATE: 2018.08.02
 NAME: WILLIAM REED COOK, JR., P.E.
 FLORIDA REGISTRATION NO: 34806
 CERTIFICATE OF AUTHORIZATION NO: 25629



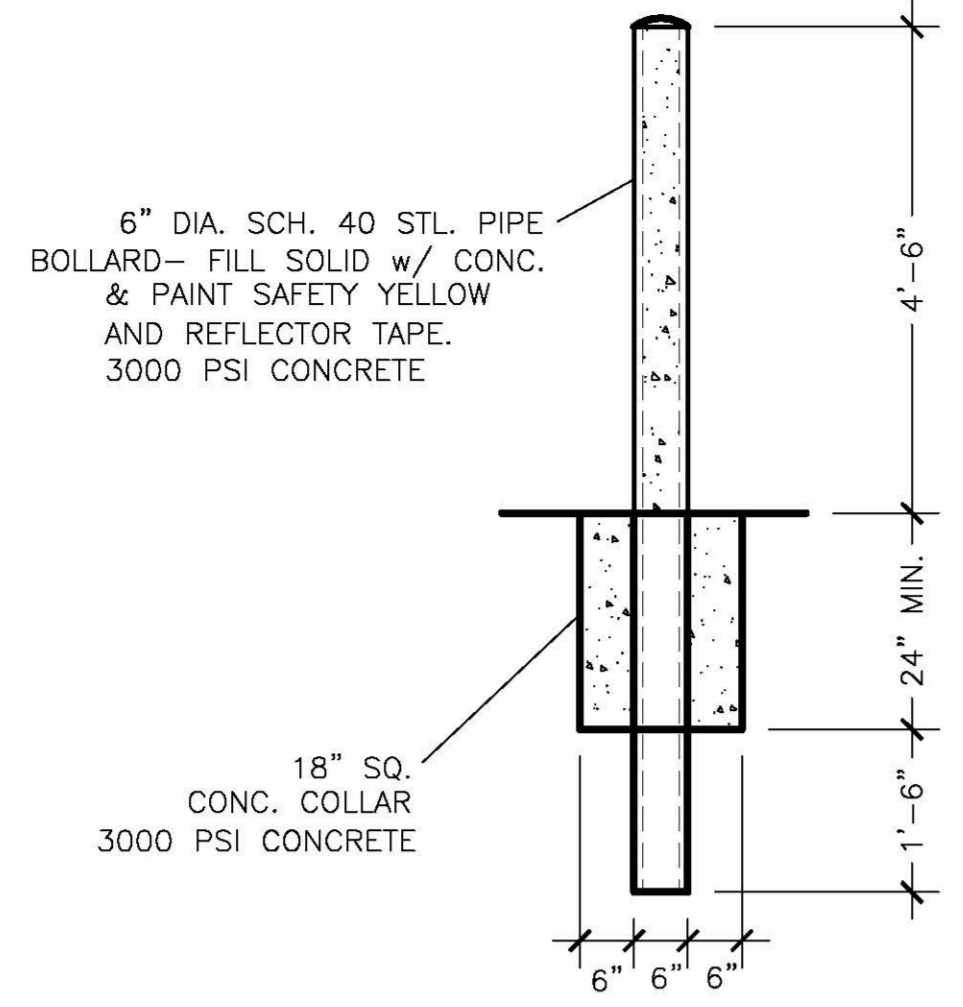
TITLE
 1300 BOULEVARD OF THE ARTS
JOINT PLAN
 SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

NO.	DATE	REVISIONS
7.		
6.		
5.		
4.		
3.		
2.		
1.	8/2/18	ADDED UNDERDRAIN SYSTEM AND REMOVED PIPE TO INLET PER OWNER'S REQUEST & MISC. ITEMS.



CONCRETE CLEAN-OUT PAD DETAIL
NOT TO SCALE

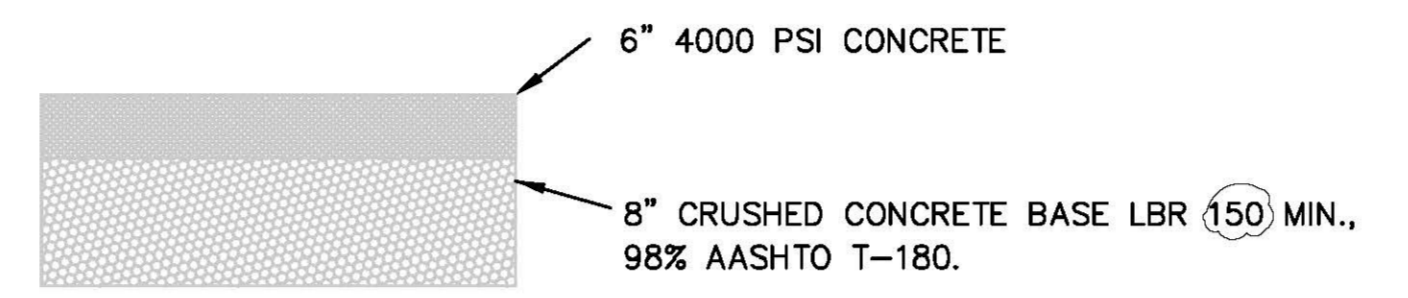
NOTES:
1. ALL PROPOSED CLEAN-OUTS AND PADS SHALL BE ADJUSTED TO FINISHED GRADES AS ESTABLISHED IN THE FIELD.
2. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
3. ALL CLEAN-OUT LIDS MUST BE INSTALLED WITH PLUMBERS TAPE.
4. CONTRACTOR SHALL PLACE STAKE TO MARK END OF PIPE W/ PIPE ELEVATION.



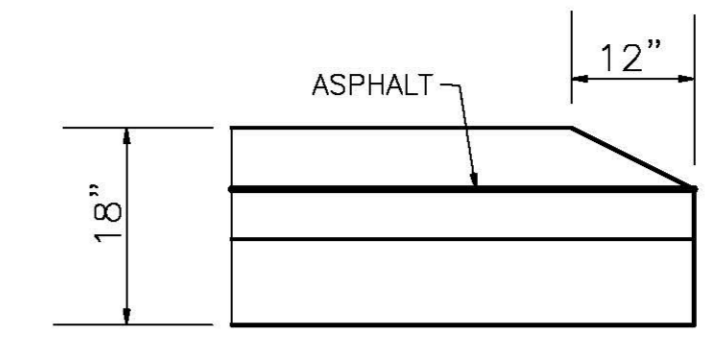
BOLLARD DETAIL
NTS

2" COMPACTED TYPE SP-9.5 ASPHALTIC CONCRETE PER FDOT'S SECTION 334 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FLORIDA 2014 EDITION
TACK COAT PER FDOT SPEC'S.
EXISTING BASE MATERIAL. CONTRACTOR SHALL COMPACT BASE 98% AASHTO T-180.

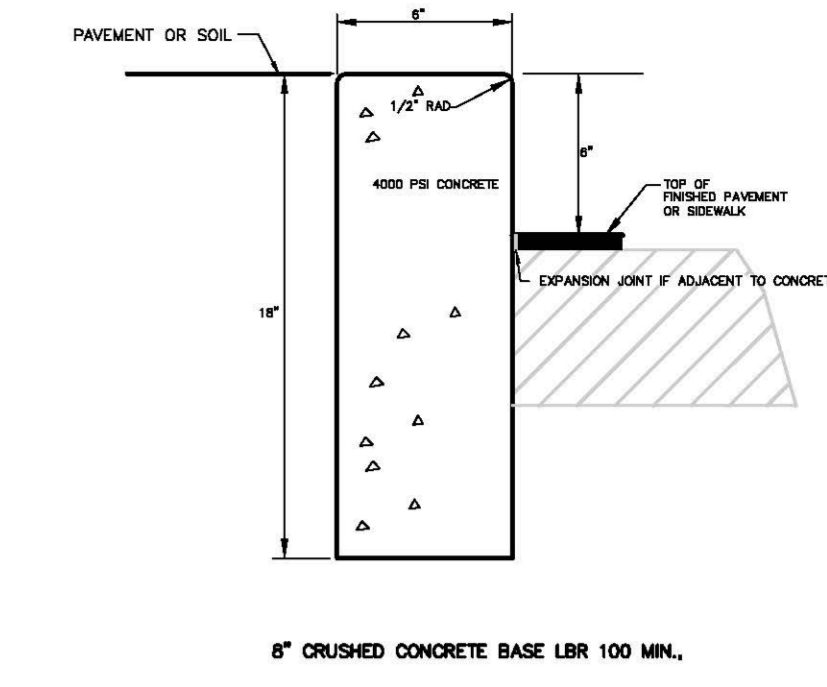
ASPHALT PAVING DETAIL
NTS



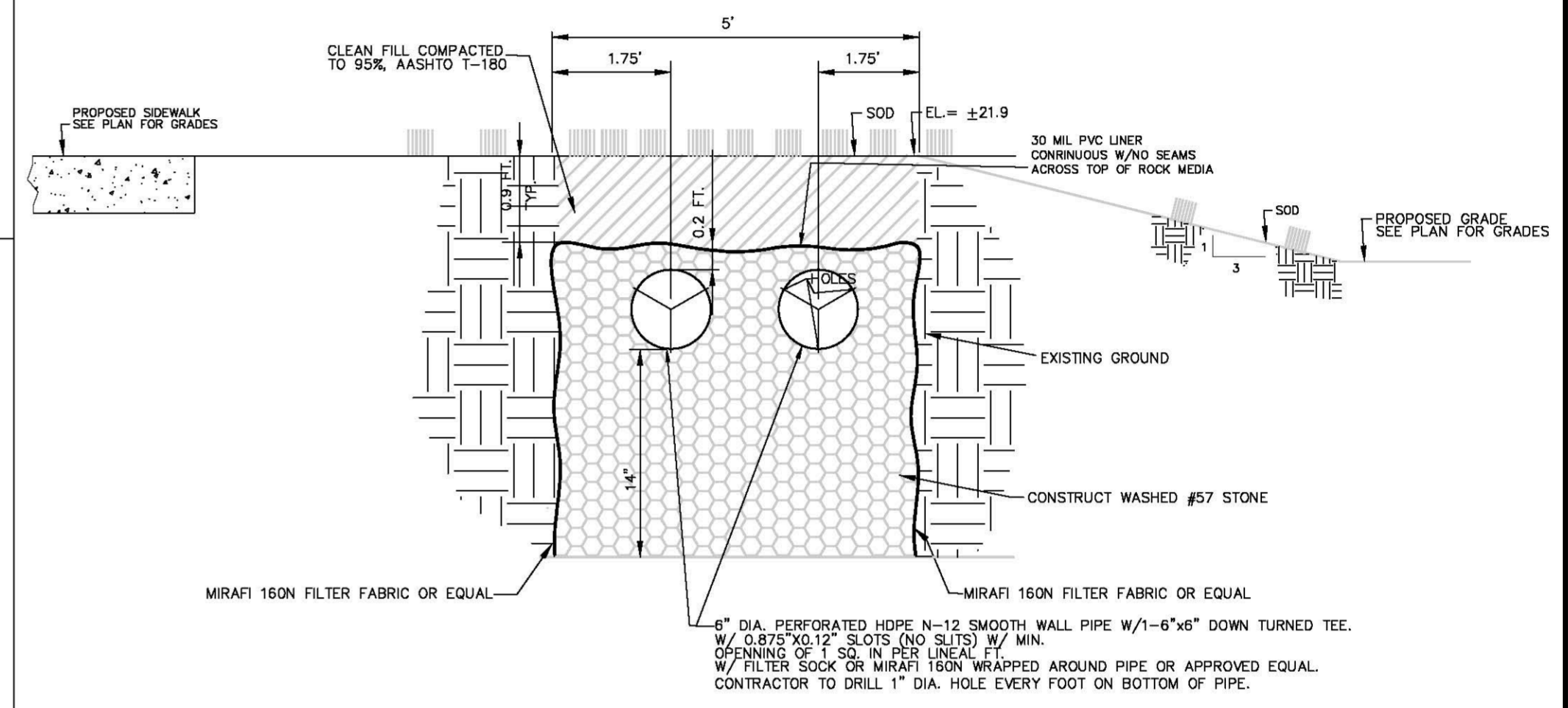
CONCRETE PAVING DETAIL
NTS



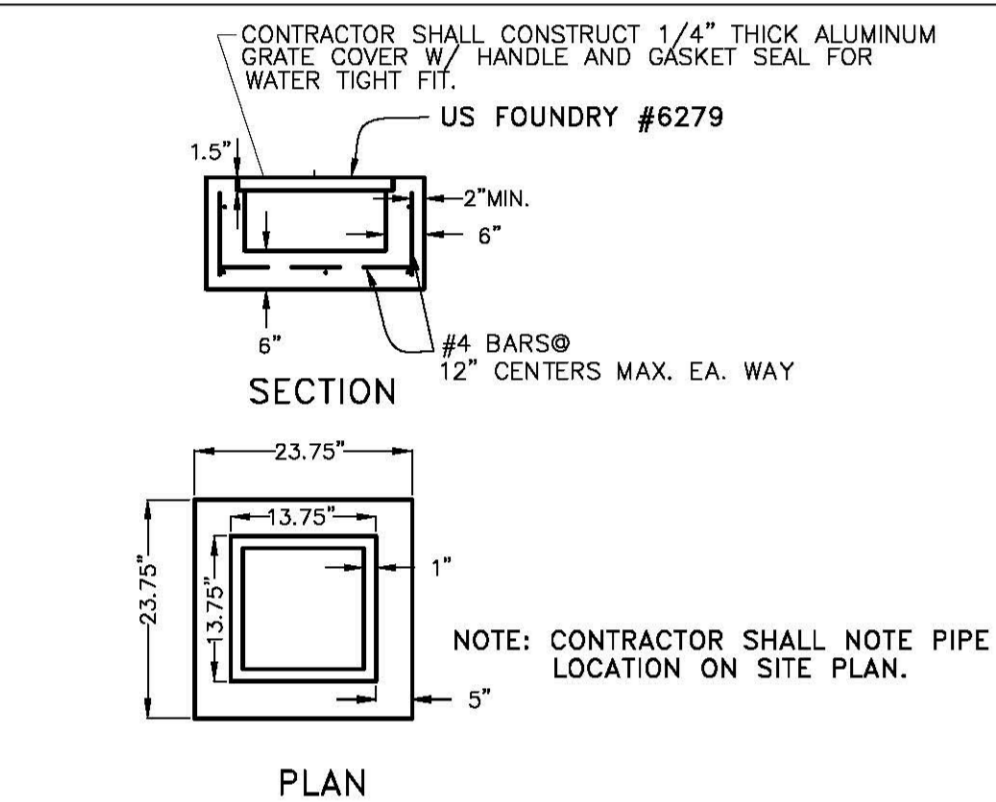
CURB TERMINUS
NTS



TYPE VERTICAL CURB
SCALE: NOT TO SCALE

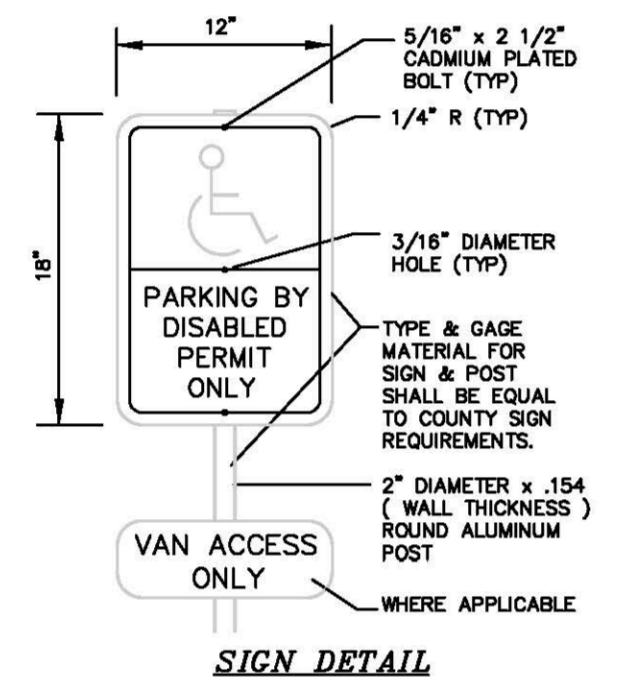


SECTION A-A WITH UNDER DRAIN DETAIL
NOT TO SCALE

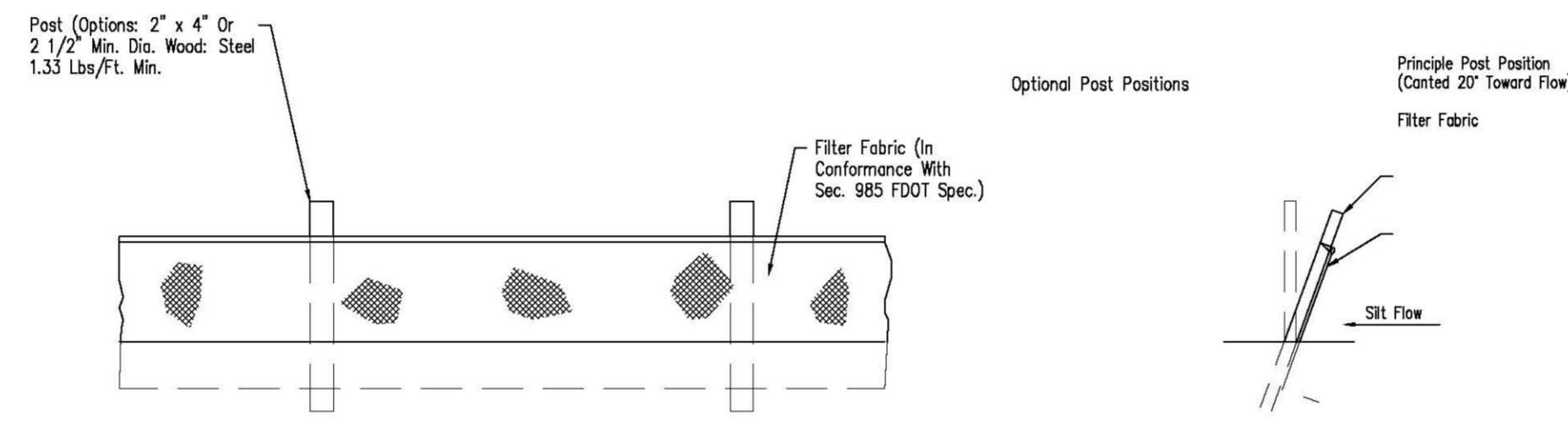


YARD DRAIN DETAIL
NTS

CONTRACTOR SHALL CONSTRUCT FILTER FABRIC BENEATH GRATE DURING CONSTRUCTION. CONTRACTOR SHALL CLEAN ALL PIPES OF DEBRIS BEFORE ACCEPTANCE BY OWNER.

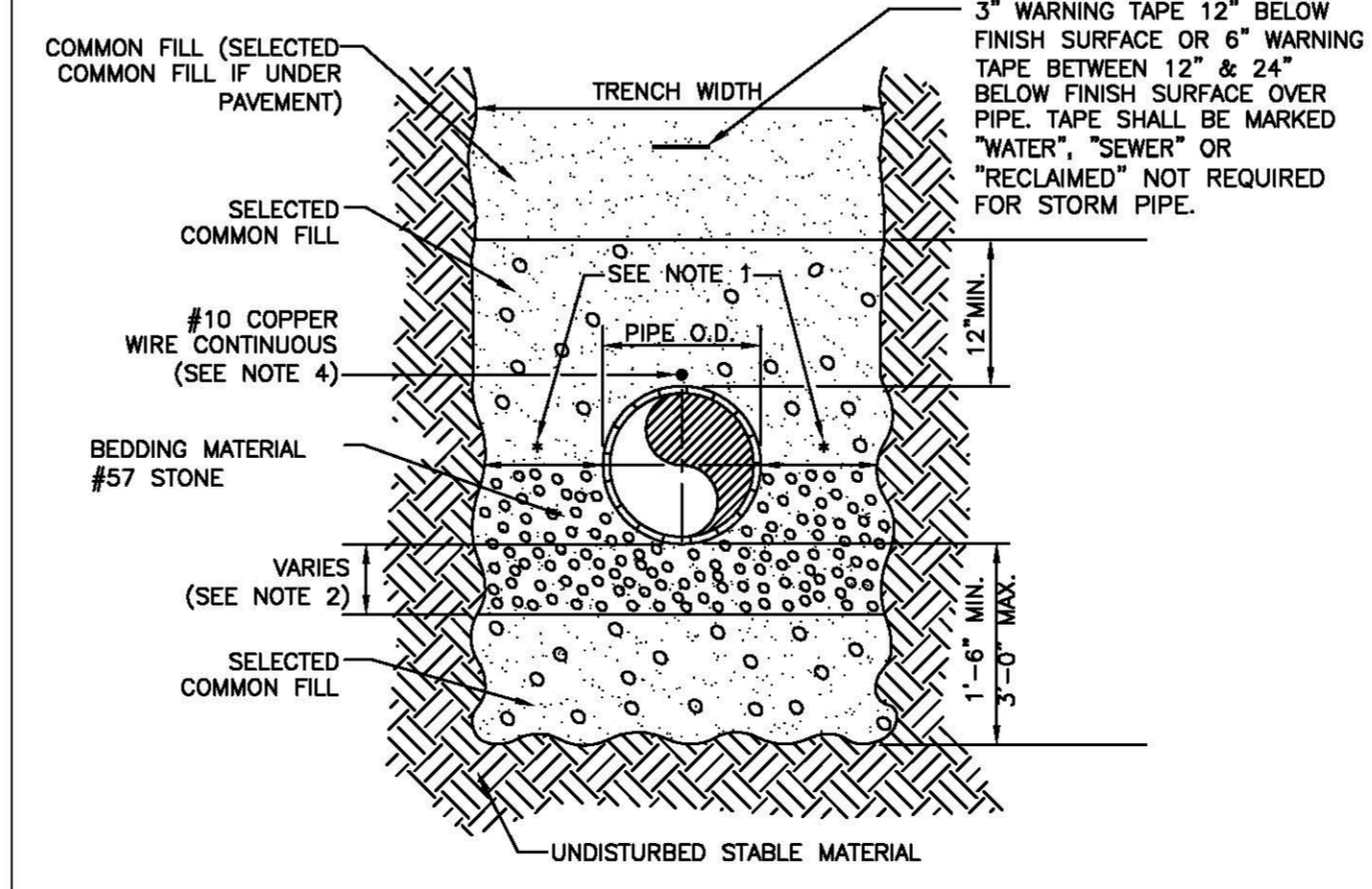


HANDICAP PARKING SIGN
N.T.S.

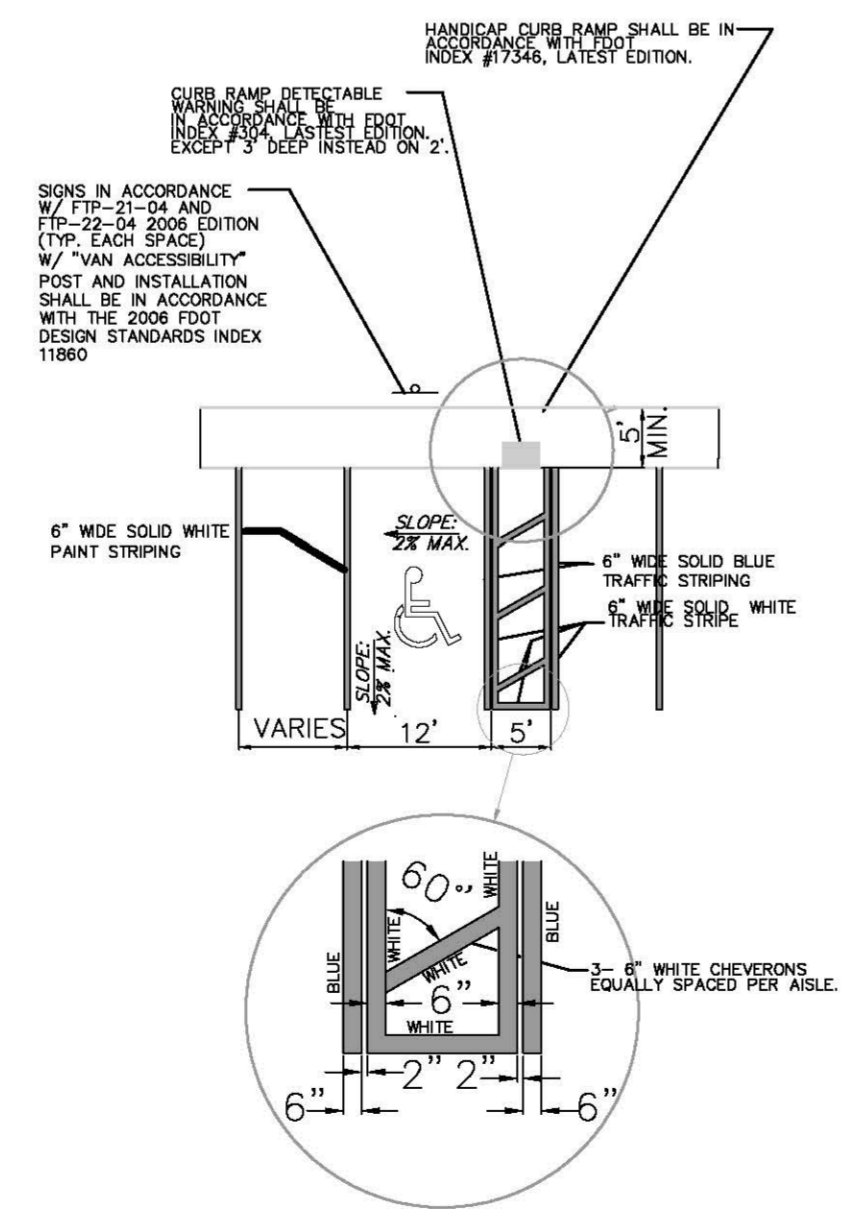


SECTION A-A TYPE III SILT FENCE
FDOT INDEX #102

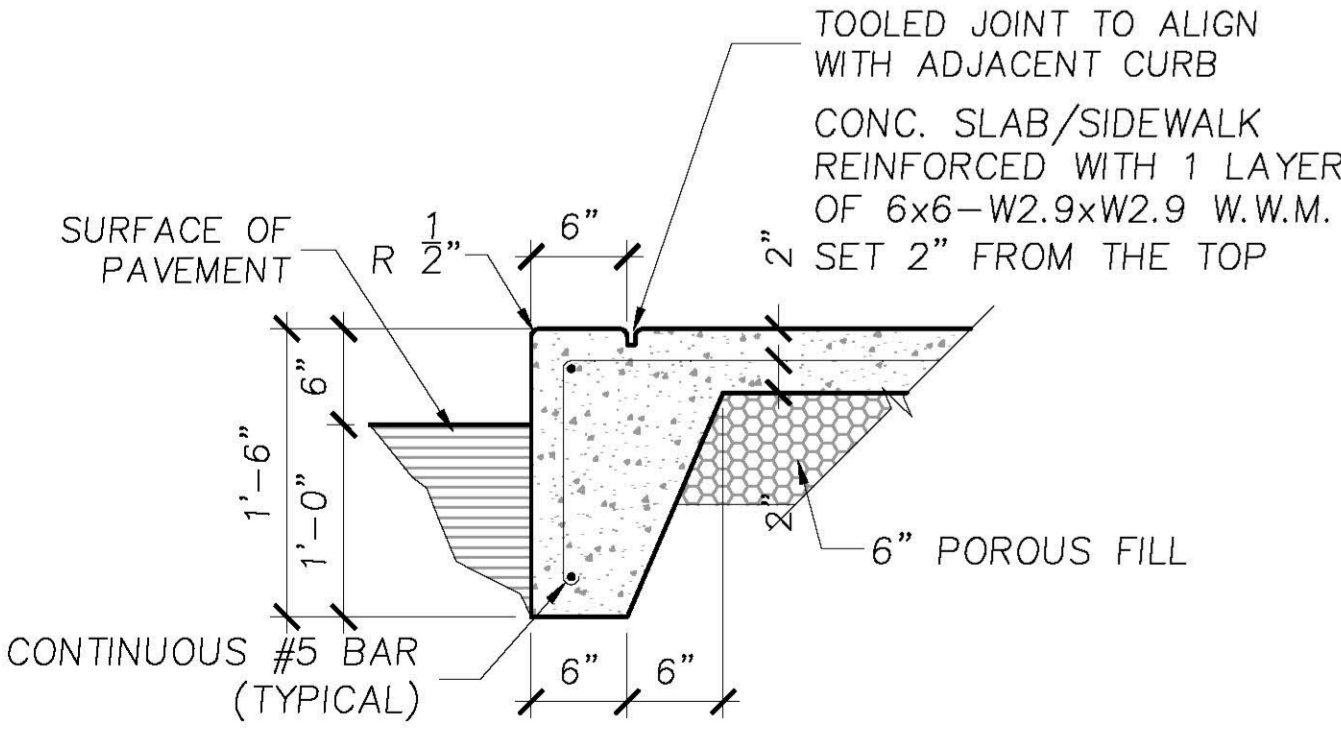
- NOTES:
- 1.) 10" MAX. FOR PIPE DIA. LESS THAN 24"; 12" MAX. FOR PIPE DIA. 24" AND LESS THAN 42"; 24" MAX. FOR PIPE DIA. 42" AND OVER.
 - 2.) 4" MAX. FOR PIPE 16" DIA. & LESS; 6" MAX. FOR PIPE PIPE 18" TO 36" DIA.; AND 9" MAX. FOR PIPE 42" DIA. AND LARGER.
 - 3.) PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS UNLESS OTHERWISE NOTED.
 - 4.) TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.
 - 5.) BACKFILL AASHTO M-145 SHALL BE PLACED IN LAYERS NO TO EXCEED 6". EACH LAYER SHALL BE THOUGHLY TAMPED AND/OR ROLLED TO 95% AASHTO T-180 DENSITY UNPAVED AREAS AND 98% PAVED AREAS.



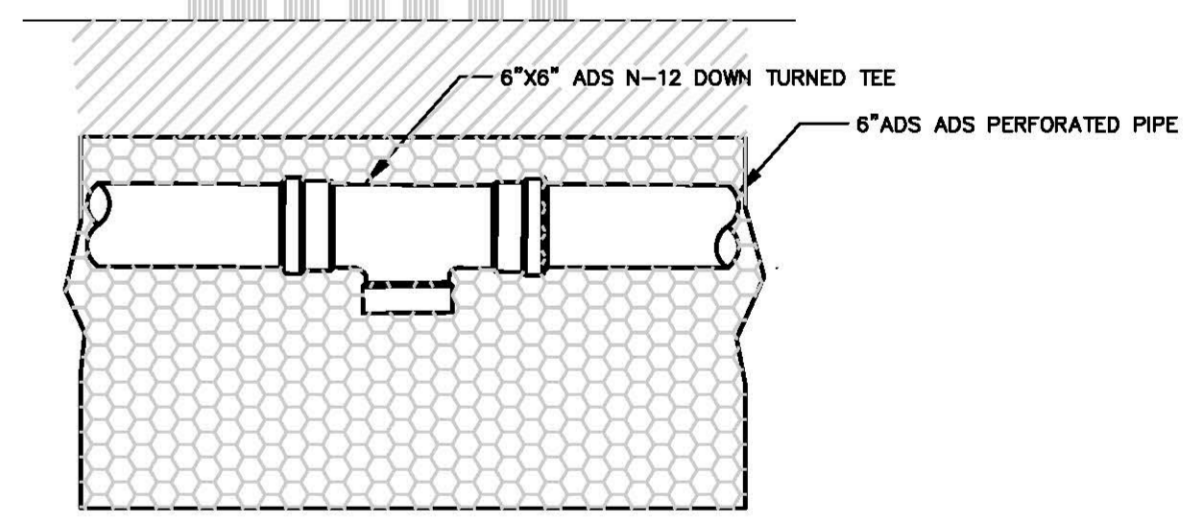
TRENCH WITH TYPE A-3 PIPE BEDDING
NTS



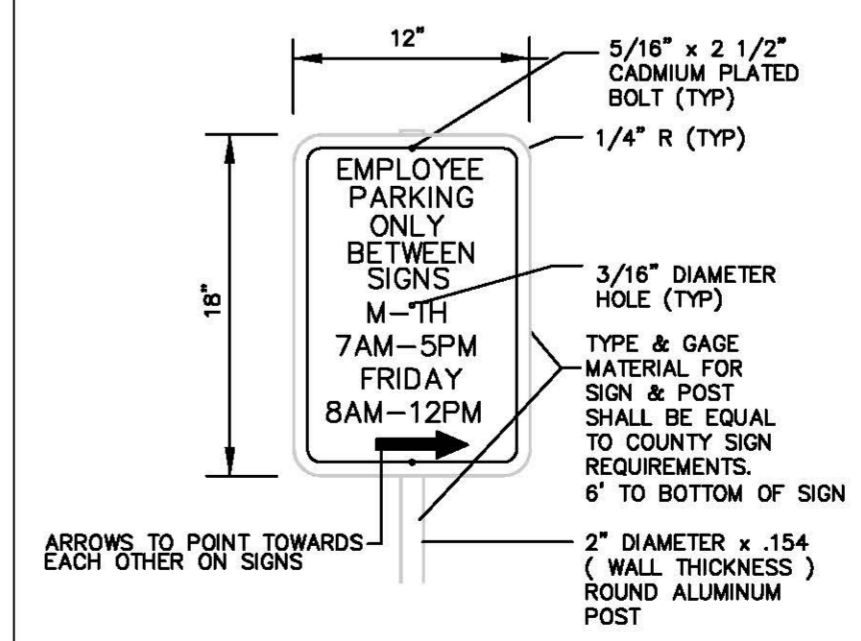
TYPICAL DISABLED PARKING SPACE DETAIL
SCALE: N.T.S.



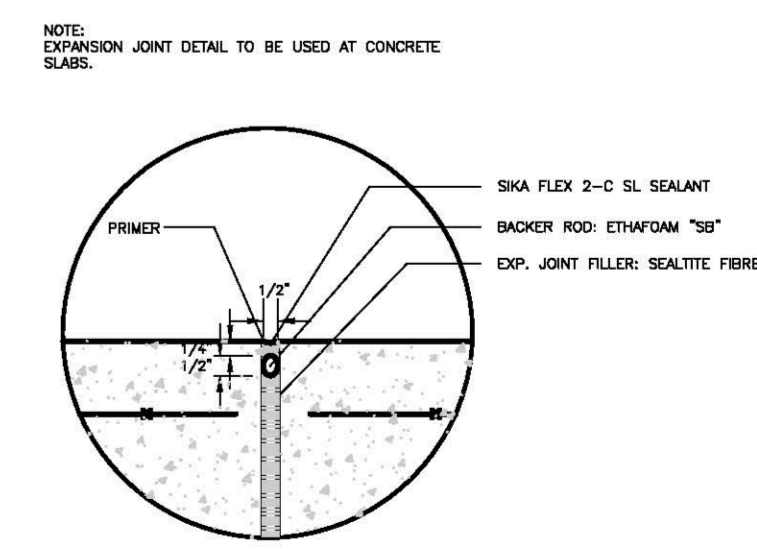
TOE FOOTING DETAIL
SCALE: NOT TO SCALE



UNDERDRAIN TEE DETAIL
NOT TO SCALE



EMPLOYEE PARKING SIGN
N.T.S.



EXPANSION JOINT DETAIL

1300 BOULEVARD OF THE ARTS
DETAILS
SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

WRCook Engineering, LLC
3018 RIVERVIEW BLVD., SARASOTA, FL 34235
PHONE: 941.552.2222 FAX: 941.552.2222
WWW.WRCOOKIE.COM

DESIGNED BY	WRC
DRAWN BY	WRC
CHECKED BY	WRC
APPROVED BY	WRC
SCALE	AS SHOWN
DATE	JUNE, 2018
PROJECT NO.	SHA 1300 BLVD
SHEET	6

Digitally signed by William R. Cook, Jr., PE
Professional Engineer, License No. 34806
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GENERAL CONSTRUCTION NOTES

- 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 ACCEPTANCE.
- THE CONTRACTOR IS TO COORDINATE THE LOCATION AND ELEVATION OF ALL FP&L, GTE AND IRRIGATION SERVICE SLEEVES WITH RESPECTIVE AGENCY PRIOR TO CONSTRUCTION.
- ALL PROPOSED ELECTRICAL AND COMMUNICATION SERVICES SHALL BE CONSTRUCTED TO LOCATIONS AS DIRECTED BY RESPECTIVE AGENCY.
- CURBING AT SIDEWALK INTERSECTIONS TO BE RECESSED FOR PEDESTRIAN RAMPS. RAMPS TO BE CONSTRUCTED AT TIME OF CURB RADI.
- CONTRACTOR TO OBTAIN APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 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 CONDITIONS.
- NOTIFY CITY OF SARASOTA PRIOR TO THE INTIATION OF CONSTRUCTION.
- CONTRACTOR TO NOTIFY "SUNSHINE", THE CITY, AND FDOT IN THE PRESCRIBED TIME PRIOR TO START OF CONSTRUCTION.
- 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.
- 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.
- 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.
- 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 CLEARANCE.
- 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.
- ALL DRAINAGE, GRADING, WATER, AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF SARASOTA, SARASOTA COUNTY STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SODDED AND SEEDED AREAS BEING WATERED AND FERTILIZED UNTIL THE PROJECT IS COMPLETED AND ACCEPTED BY THE OWNER.
- THE OWNERS SHALL SUPPLY THE ENGINEER WITH A PHOTOCOPY OF ALL COMPACTION TESTS AND OTHER REQUIRED MATERIALS TESTS UNDER THE TESTING SCHEDULE GUIDE.
- 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.
- THE CONTRACTOR SHALL REVIEW ALL PROJECT GEOTECHNICAL REPORTS, IF PROVIDED, PRIOR TO BIDDING AND THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED CONSTRUCTION DRAWINGS AND ALL PERMITS AT THE CONSTRUCTION SITE.
- 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.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL TRENCH SAFETY REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL GOVERNMENTAL AGENCY CONDITIONS OF APPROVALS.
- THE CONTRACTOR SHALL OBTAIN A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PRIOR TO CONSTRUCTION, IF REQUIRED.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SODDED W/ BAHIA UNLESS OTHERWISE NOTED.
- LEFT BLANK.
- CONTRACTOR SHALL OBTAIN A CITY OF SARASOTA RIGHT OF WAY USE PERMIT PRIOR TO CONSTRUCTION WITHIN CITY OF SARASOTA RIGHT OF WAY.
- 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.
- 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.

TESTING SCHEDULE GUIDE

ITEM	TEST TYPE	TEST I.D.	REQUIREMENT	FREQUENCY	
Embankment	Maximum Density	AASHTO T180	N/A	Per Soil Type	
	Optimum Moisture	ASTM D1557			
	Field Density	AASHTO T191 , T204	95% of maximum Density	One Per 2,500 S.F. Horizontally * ; Alternating Lifts (12 Inches)	
		ASTM D1556 , D2937 D2922			
Utility Trench Backfill Under Roadways and Structures	Maximum Density	AASHTO T180	N/A	Per Soil Type	
	Optimum Moisture	ASTM D1557			
	Field Density	AASHTO T191 , T204	98% of maximum Density	One Per 2,500 S.F. Horizontally * ; Every 2' Vertically D2922	
		ASTM D1556 , D2937 D2922		At least one for each pipe run	
Backfill of Structures	Maximum Density	AASHTO T180	N/A	Per Soil Type	
	Optimum Moisture	ASTM D1557			
	Field Density	AASHTO T191 , T204	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. Changes Check Point LBR at 500 L. F. Horiz.	
	Maximum Density	AASHTO T180	See Typical Pavement Section	One Per Source	
	Optimum Moisture	ASTM D1557			
	Thickness	AASHTO T191 , T238		One Per 2,500 S.F. Horizontally	
ASTM D1556 , D2922					
Gradation	AASHTO T27 , T98		One Per Source		
	AASHTO T90				
Atterberg Limits	ASTM C136 , D423 , D424				
Asphaltic Concrete	Materials Quality	AASHTO T164			
		ASTM D2172			
	Blumen Content , Gradation	ASTM 02950-81	Per Specifications	95% of Lab Density	One Per Day Horizontal
Los Angeles Abrasion	AASHTO T96-77				
	ASTM C131-81	Per Specifications		One Per Source	
Thickness	N/A	Per Specifications		One Per 2,500 S.F.	
NOTES:					
* The Contractor shall not pave over soil cement base until a 30 day curing time has elapsed					
** Maximum strength limits, as established by soils testing company, shall not be exceeded					
*** Should any of the information provided herein conflict with either the recommendations of the Geotechnical Engineer, and/or the Geotechnical report, then the aforementioned recommendations will supercede this "TESTING SCHEDULE GUIDE".					
-Fill material shall meet AASHTO A3 Standards. This shall include a 2' depth below pond bottom.					

DRAINAGE AND GRADING NOTES

- 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 (SWWMD) 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.
- 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 AIRBORNE MATERIALS. THE CONTRACTOR IS RESPONSIBLE 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- SUITABLE FILL MATERIAL SHALL BE BASED ON THE PROJECT GEO-TECHNICAL ENGINEER'S DETERMINATION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
- REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
- 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.
- ALL FILL AREAS AND PAVEMENT AREAS SHALL BE CONSTRUCTED PER THE GEO-TECHNICAL REPORT OR THESE PLAN, WHICH EVER IS MORE STRINGENT.
- 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.

CLEARING AND GRUBBING NOTES

- 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.
- EROSION CONTROL AND FUGITIVE PARTICULATE ABATEMENT PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 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 CONTROL).
- 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.
- 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.

Digitally signed by William R Cook Jr Date: 2018.08.02 14:08:11 -04'00'

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 8/2/18. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

7	6	5	4	3	2	1	DATE
						8/2/18	
							NO.

TO INLET PER OWNER'S REQUEST. ADDED UNDERDRAIN SYSTEM AND REMOVED PIPE REVISIONS

1300 BOULEVARD OF THE ARTS
GENERAL NOTES
 SEC. 19, TWP. 36 S., RGE. 18 E., CITY OF SARASOTA, FL

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REVISION	WRC
DRAWN	WRC
CHECKED	WRC
APPROVED	WRC
DATE	JUNE, 2018
SCALE	AS SHOWN
PROJECT NO.	SHA 1300 BLVD
SHEET	7