



CITY OF DELRAY BEACH
100 N.W. 1st AVENUE, DELRAY BEACH, FL 33444

Solicitation Addendum

Addendum No.: 2

Solicitation No.: 2018-018

Project No.: 16-032

Solicitation Title: Seacrest Beautification, Phase 2

Addendum Date: December 8, 2017

Purchasing Contact: Ryan Lingholm - lingholmr@mydelraybeach.com

ITBC NO. 2018-018 IS HEREBY AMENDED AS SET FORTH HEREIN BELOW. THIS ADDENDUM NO. 2 IS HEREBY INCORPORATED IN AND MADE A PART OF ITBC NO. 2018-018.

REVISE:

EXHIBIT A, DRAWINGS, SHEETS C-6 THROUGH C-10

Sheets C-6 through C-10 of Exhibit A, Drawings are revised per this Addendum No. 2. Revisions to these sheets are denoted utilizing revision clouds.

NOTE: Unless otherwise noted, items that are ~~struck through~~ are deleted. Items that are underlined have been added. All other terms and conditions remain as stated in the ITBC.

End of Addendum

INSTRUCTIONS:

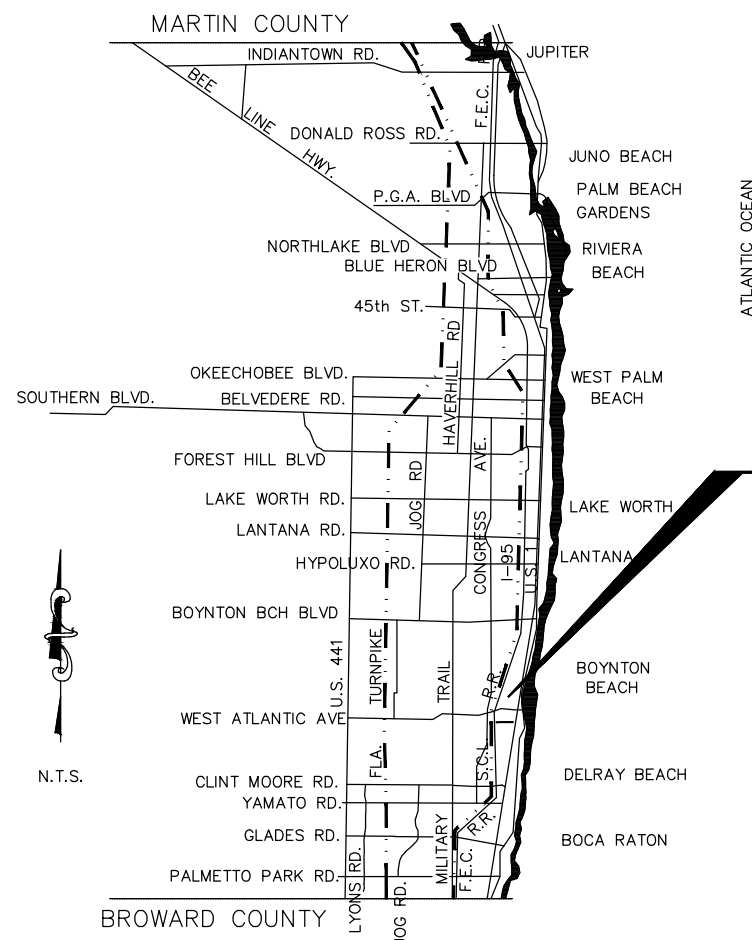
Receipt of this addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the disqualification of Respondent's response.

CITY OF DELRAY BEACH

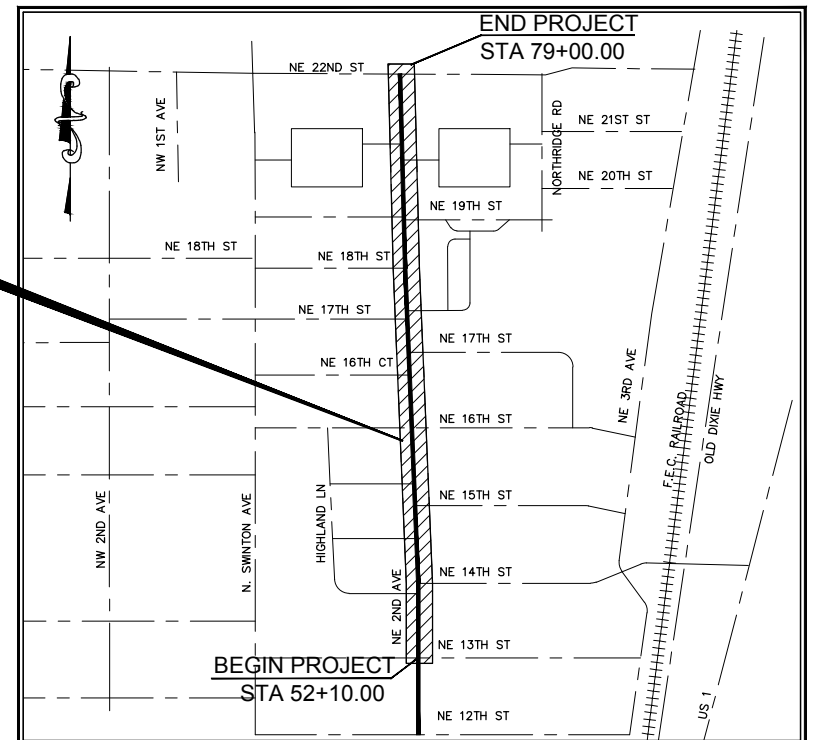
NE 2ND AVENUE / SEACREST

PHASE 2

CITY PROJECT NO. 16-032
FM No. 436872-1-58-01



PROJECT



LOCATION MAP

NO SCALE

SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST

PROJECT LENGTH

2690 FEET
0.51 MILES

CITY OFFICIALS

MAYOR	CARY D. GLICKSTEIN
VICE MAYOR	JIM CHARD
DEPUTY VICE MAYOR	SHIRLEY JOHNSON
COMMISSIONER	MITCH KATZ
COMMISSIONER	SHELLY PETROLIA
CITY MANAGER (INTERIM)	NEAL DE JESUS
DIRECTOR OF ENVIRONMENTAL SERVICES DEPARTMENT (INTERIM)	DALE SUGERMAN

INDEX OF SHEETS

C-1	COVER SHEET
C-2	GENERAL NOTES
C-3 - C-5	TYPICAL SECTIONS
C-6 - C-10	ROADWAY IMPROVEMENT PLAN
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C-16 - C-26	TRAFFIC CONTROL PLAN
C-27	SIGNALIZATION PLANS
C-28 - C-30	DETAILS AND SPECIFICATIONS

VERTICAL DATUM: NATIONAL GEODETIC
VERTICAL DATUM OF 1929 (NGVD29)

HORIZONTAL DATUM: NORTH AMERICAN
DATUM OF 1983, FLORIDA STATE
PLANES, EAST ZONE, U.S. FEET (NAD83)

PLANS ARE SCALED TO PLOT ON 24" X 36"
SHEETS. THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.



CITY of DELRAY BEACH
ENVIRONMENTAL SERVICES DEPARTMENT
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444
Phone: (561) 243-7322 Fax: (561) 243-7314

PREPARED BY:

WGI
2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055



ENGINEER OF RECORD
BRETT OLDFORD, P.E.
PE# 61795

CITY OF DELRAY BEACH
NE 2ND AVENUE / SEACREST PHASE 2
PRODUCTION PLANS
WGI NO.: 1004.18

Stephen Cherry, C:\pwworking\wpj\lntables\16-032-2K.dwg 11:47:16 Date: 6/7/2017 11:40:59 AM 6/9/2017 12:58:08 PM Sheet: 6/7/2017 11:40:59 AM

DEFINITIONS

- 1. CITY – THE CITY OF DELRAY BEACH
- 2. CONTRACTOR – PRIME CONTRACTOR AND ALL SUBCONTRACTORS
- 3. ENGINEER – ENGINEER RESPONSIBLE FOR INSPECTION AND CERTIFICATION

PROCEDURE

- 1. A PRE-CONSTRUCTION MEETING IS TO BE HELD PRIOR TO DELIVERY OF MATERIALS AND INITIATION OF ANY WATER, SEWER OR DRAINAGE CONSTRUCTION. THE MEETING SHALL BE ATTENDED BY THE CITY, CONTRACTOR, SUBCONTRACTORS, ENGINEER AND OTHER INTERESTED PARTIES.
- 2. ANY REVISIONS TO THE APPROVED PLANS MUST BE APPROVED BY THE CITY PRIOR TO THE PRE-CONSTRUCTION MEETING.
- 3. A MINIMUM OF THREE (3) COPIES OF THE CURRENT APPROVED PRODUCT LIST AND ALL NECESSARY SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SCHEDULING THE PRE-CONSTRUCTION MEETING. ALL PRODUCTS SHALL BE ON THE FDOT APPROVED PRODUCT LIST
- 4. ALL APPLICABLE PERMITS MUST BE OBTAINED WITH COPIES PROVIDED TO THE CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 5. THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION DOCUMENTS ON SITE AT ALL TIMES.
- 6. ALL MATERIALS SUPPLIED SHALL CONFORM TO PRODUCT LIST AND SHOP DRAWINGS AS APPROVED BY THE CITY PRIOR TO CONSTRUCTION. ALL REQUESTS FOR MATERIAL SUBSTITUTION SHALL BE APPROVED PRIOR TO DELIVERY OF THESE MATERIALS TO THE JOB SITE.
- 7. THE LOCATION OF THE EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES (NOT SHOWN ON THE PLAN) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE CITY AND NOTIFY THE RESPECTIVE UTILITY OWNER TO RESOLVE THE UTILITY CONFLICTS AND PERFORM THE UTILITY ADJUSTMENTS AS REQUIRED.
- 8. PRIOR TO ANY SANITARY PIPE OR WATER MAIN TESTING, UNDER EXISTING OR FUTURE PAVEMENT, THE ROCK BASE SHALL BE FINISHED AND PRIMED OR FIRST LIFT OF PAVEMENT PLACED.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY, AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS OF ALL OTHER UTILITY FACILITIES.
- 11. THE CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE CITY A MINIMUM OF 24 HOURS IN ADVANCE.
- 12. CONTRACTOR SHALL NOT DISTURB EXISTING CITY MAINS OR STRUCTURES WITHOUT THE PRESENCE OF A CITY INSPECTOR. CITY UTILITY SYSTEM VALVES AND APPURTENANCES MAY ONLY BE OPERATED BY CITY PERSONNEL.
- 13. FACILITIES PROPOSED HEREIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS. DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED IN ADVANCE BY THE CITY.
- 14. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF THE WORK, A FINAL INSPECTION SHALL VERIFY PROPER ADHERENCE TO ALL FACETS OF THE PLANS AND SPECIFICATIONS.
- 15. AS-BUILT DRAWINGS SHALL BE PREPARED BY A REGISTERED LAND SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, AND SUBMITTED BY THE CONTRACTOR TO THE CITY. AS THE WORK PROGRESSES, THE ENGINEER OF RECORD (OR THEIR REPRESENTATIVE) SHALL RECORD ON ONE SET OF DRAWINGS THE LOCATION INCLUDING STATION AND OFFSET WITH SUFFICIENT DIMENSIONS AND DISTANCES TO ADEQUATELY DESCRIBE THE LOCATION OF THE IMPROVEMENT FROM THE BASELINE. THE ENGINEER OF RECORD IS TO SUBMIT TWO SETS OF BLUE PRINT RECORD OR AS-BUILT DRAWINGS AND ONE MYLAR TO THE ENGINEERING DEPARTMENT ALONG WITH THE HEALTH DEPARTMENT APPLICATION FOR RELEASE OF THE SYSTEM. ALL "AS-BUILT DRAWINGS" SHALL BE SIGNED SEALED AND DATED BY THE ENGINEER OF RECORD. CERTIFICATE OF OCCUPANCY WILL BE HELD UNTIL ACCEPTANCE BY HRS AND THE ENVIRONMENTAL SERVICES DEPARTMENT. PAVING & DRAINAGE AS-BUILT DRAWINGS SHALL INCLUDE RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES, CONTROL STRUCTURE DIMENSIONS, AS WELL AS, AS-BUILT ELEVATIONS AT EVERY LOCATION A PROPOSED ELEVATION IS INDICATED ON THE CONSTRUCTION PLAN. ADEQUATE AS-BUILT ELEVATIONS SHALL BE PROVIDED ON EMBANKMENTS TO DETERMINE COMPLIANCE WITH MAXIMUM SLOPE REQUIREMENTS.
- 16. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553-851 FOR PROTECTION OF UNDERGROUND GAS PIPE LINES.
- 17. CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE (1-800-432-4770) 48 HOURS IN ADVANCE OF CONSTRUCTION.
- 18. GRADES SHOWN ON PLANS ARE FINISHED GRADES. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST EXISTING SANITARY SEWER MANHOLE TOPS AND VALVE BOX COVERS TO FINISHED GRADE.
- 19. CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES DURING CONSTRUCTION AND SHALL BE REQUIRED TO PROVIDE ALL BARRICADES, LIGHTING, SIGNAGE AND FLAGMEN AS NECESSARY TO PROVIDE FOR THE SAFETY OF THE PUBLIC IN THE WORK AREA.
- 20. EXISTING BASE MATERIAL THAT IS REMOVED DURING CONSTRUCTION SHALL NOT BE USED IN THE CONSTRUCTION OF NEW LIMEROCK BASE.
- 21. VEGETATION, DEBRIS, CONCRETE OR OTHER UNSUITABLE MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA AT THE CONTRACTORS EXPENSE.
- 22. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES, SUCH AS TURBIDITY SCREENS, CURTAINS AND FLOATING SILT BARRIERS WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
- 23. PRIOR TO AND DURING CONSTRUCTION OF ALL SITES, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES INCLUDED IN A POLLUTION PREVENTION PLAN PROVIDED TO THE CITY OF DELRAY BEACH'S CHIEF BUILDING OFFICIAL.

... PROCEDURE CONTINUED

- 24. REINFORCED CONCRETE STORM SEWER PIPE SHALL BE CLASS III, UNLESS OTHERWISE NOTED.
- 25. ALL PAVED SURFACES SHALL BE PROPERLY MARKED PRIOR TO HOURS OF DARKNESS AND FINAL PAVEMENT MARKINGS SHALL BE INSTALLED PRIOR TO ROADWAY OPENING TO TRAFFIC.
- 26. EMBANKMENT (FILL) AND EXCESS MATERIAL REQUIRED FOR ROADWAY RECONSTRUCTION AND UTILITY INSTALLATIONS SHALL BE SUPPLIED AND/OR DISPOSED OF BY THE CONTRACTOR. ALL COSTS ASSOCIATED WITH EARTHWORK REQUIREMENTS TO COMPLETE THE ROADWAY RECONSTRUCTION AND UTILITY IMPROVEMENTS SHALL BE INCLUDED IN THE COSTS OF OTHER APPROPRIATE PAY ITEMS.
- 27. CONTINUITY OF WATER AND SEWER SERVICE TO CITY UTILITY CUSTOMERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THIS PROJECT. IF A DISRUPTION IN SERVICE IS UNAVOIDABLE TO ACCOMMODATE CONNECTION OF NEW FACILITIES, IT SHALL BE SCHEDULED FOR OFF PEAK HOURS WITH THE CITY. DETERMINATION OF SERVICE DISRUPTION REQUIREMENT WILL BE MADE BY THE CITY. THE CONTRACTOR SHALL NOTIFY THE CITY TO SCHEDULE INTERRUPTIONS WITH RESIDENS.
- 28. SITE INFORMATION IS BASED ON A SURVEY PREPARED BY: WGI.
- 29. CONTRACTOR TO GIVE MINIMUM 30-DAY NOTICE TO PROPERTY OWNERS WITH PAVER BRICKS WITHIN RIGHT-OF-WAY TO SALVAGE MATERIALS FOR REINSTALLATION.

GENERAL NOTES

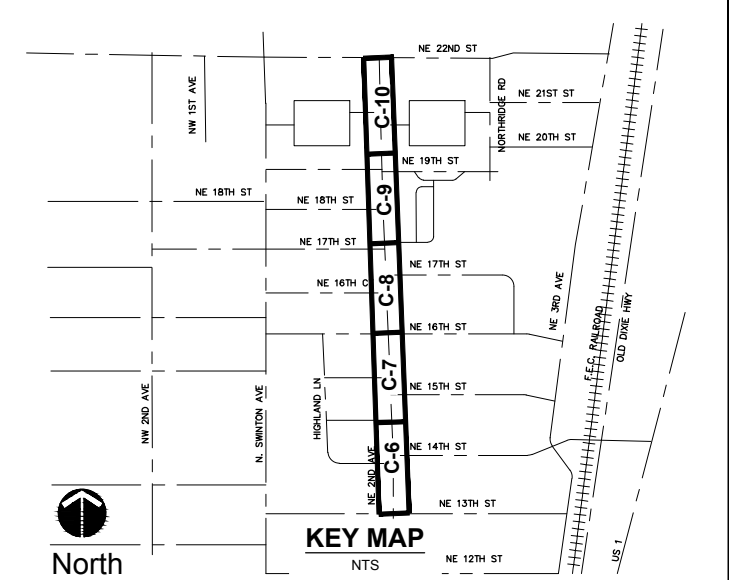
- 1. REGULATIONS – ALL CONSTRUCTION SHALL BE DONE IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL REGULATIONS AND OR CODES INCLUDING BUT NOT LIMITED TO THE CURRENT PALM BEACH COUNTY AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) LATEST REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES TO BEGIN WORK AND PAY ALL REQUIRED FEES ASSOCIATED WITH SAME.
- 2. VERTICAL DATUM – ELEVATIONS REFER TO N.G.V.D. 1929 AS PER TOPOGRAPHIC SURVEY BENCHMARK INFORMATION PROVIDED PALM BEACH COUNTY "Z 233" HAVING AN ELEVATION OF 17.570 (NGVD29) AND PALM BEACH COUNTY ENGINEERING DEPARTMENT BENCHMARK "AQUALANTIC" HAVING AN ELEVATION OF 23.065 (NGVD29).
- 3. HORIZONTAL DATUM – NORTH AMERICAN DATUM 1983, FLORIDA STATE PLANE COORDINATES, EAST ZONE, FOOT.
- 4. GUARANTEE – THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF PROJECT ACCEPTANCE, DURING WHICH ALL FAULTY CONSTRUCTION AND/OR MATERIAL SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 5. RESTORATION – THE CONTRACTOR SHALL IMMEDIATELY REPAIR AND RESTORE EXISTING SITE FEATURES INCLUDING PAVEMENT, DRIVEWAYS, PIPES, FENCES, TRAFFIC CONTROL DEVICES, MAILBOXES AND PROPERTY CORNERS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES. THE REPAIR AND RESTORATION SHALL CONFORM TO APPLICABLE STANDARDS AS GOVERNED.
- 6. THE CONTRACTOR SHALL REPLACE FIRE HYDRANT REFLECTORS WHEN DISTURBED DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL NOT STAGE OR OPERATE EQUIPMENT WITHIN THE DRIP LINE OF TREES.
- 8. ALL CONNECTIONS TO EXISTING SIDEWALK SHALL MATCH EXISTING GRADE AND ELEVATION.
- 9. THE CONTRACTOR SHALL COORDINATE AND REVIEW AND PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE CITY ENGINEER AT 561-243-7000, AND THE FDOT ENVIRONMENTAL COORDINATOR AT 954-777-4665.
- 10. VIBRATORY COMPACTION MONITORING SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 108.
- 11. THE CONTRACTOR IS REQUIRED TO INCLUDE AN ADD ALTERNATIVE FOR 3" MILLING AND RESURFACING OF THE EXISTING PAVEMENT IN ACCORDANCE WITH SPECIFICATION 341 AND THE FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR ASPHALT RUBBER MEMBRANE INTERLAYER (ARMI) FOR MINIMUM 2" OVERLAY (2-1" LIFTS).

LAP SPECIFIC NOTES

- 1. ALL FDOT STANDARDS AND SPECIFICATIONS SHALL BE CALENDAR YEAR 2017, OR LATEST EDITION AT CURRENT TIME OF BID.
- 2. ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
- 3. ALL CROSSWALK SIGNS AND ADVANCED PAVEMENT MESSAGES TO BE DESIGNED AND INSTALLED PER FDOT STANDARD (INDEX NO. 17346).
- 4. REFERENCE THE LATEST EDITION OF FDOT 600 SERIES FOR ALL REQUIRED AND APPLICABLE MOT PLANS.
- 5. ALL DETECTABLE WARNING SURFACE BRICK PAVERS SHALL BE COLOR "BRICK RED".
- 6. REFER TO "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" ALSO KNOWN AS THE "FLORIDA GREEN BOOK", FOR CLEAR ZONES. CHAPTER 3, TABLE 3-12.
- 7. ALL CONCRETE SHALL COMPLY WITH FDOT STANDARD SPECIFICATION 344.
- 8. PULL BOXES LOCATED WITHIN SIDEWALK SHALL CONFORM TO STANDARD INDEX 17700.
- 9. ANY STEEL INCORPORATED INTO THIS PROJECT SHALL CONFORM TO BUY AMERICA PROVISION 23 CFR 635.410.
- 10. ALL WORK FOR THIS PROJECT WILL BE COMPLETED WITHIN AND FROM THE EXISTING RIGHT OF WAY.
- 11. THE DESIGN SPEED FOR THIS ROAD IS 30 MPH.
- 12. CONTRACTOR RESPONSIBLE TO REPLACE ALL TRAFFIC SIGNAL DETECTION LOOPS.
- 13. PRIOR TO MILLING AND RESURFACING, THE CONTRACTOR SHALL PROVIDE THE CITY A LISTING, COMPLETE WITH STATIONS, OFFSETS, AND PHOTOS OF ALL EXISTING MANHOLES AND VALVE COVERS LOCATED WITHIN THE EXISTING PAVEMENT. UPON COMPLETION OF MILLING AND RESURFACING THE CONTRACTOR SHALL PROVIDE EVIDENCE TO THE CITY THAT ALL OF THE EXISTING MANHOLE AND/OR VALVE COVERS ARE STILL VISIBLE DURING FINAL INSPECTION.
- 14. IF THE CONTRACTOR ENCOUNTERS AN EXISTING VALVE BOX THAT IS OUT OF PLUMB, THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO ADJUST THE VALVE BOX AT THE PRE-CONSTRUCTION MEETING.
- 15. THE CONTRACTOR SHALL COORDINATE WITH PBC SCHOOL BOARD FOR LANE CLOSURES DUE TO CONSTRUCTION.
- 16. IF SUSPECT CONTAMINATED OR HAZARDOUS MATERIAL IS FOUND ON THE PROJECT OR ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL CEASE OPERATIONS IN THAT AREA. IMMEDIATELY NOTIFY THE CITY ENGINEER AT 56-1243-7000 AND PROTECT THE IMMEDIATE AREA OF SUSPECT CONTAMINATED OR HAZARDOUS MATERIAL FROM FURTHER ACCESS. THE CITY ENGINEER WILL ARRANGE FOR THE INVESTIGATION, IDENTIFICATION AND/OR REMOVAL/REMEDATION OF THE MATERIAL IN QUESTION AS NEEDED.
- 17. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ON THE TO PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE A COPY OF THE REQUEST TO THE CITY ENGINEER. THE CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR EACH USE, AND PROVIDE A DESCRIPTION OF THE SPECIFIC MANNER IN WHICH THE MATERIAL WILL BE USED. THE PROJECT ENGINEER SHALL COORDINATE WITH THE CITY ENGINEER PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AS HAZARDOUS MATERIALS, SUCH PRODUCTS DO NOT REQUIRE AN MSDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT.
- 18. THE PROPOSED PROJECT AREA IS WITHIN THE CITY OF DELRAY BEACH'S ROW. ALTHOUGH A SCHOOL (OLD PLUMOSA ELEMENTARY SCHOOL) AND A CHURCH (FIRST BAPTIST CHURCH OF THE APOSTLES) ADJACENT TO THE PROPOSED PROJECT AREA WERE IDENTIFIED DURING FIELD INSPECTION, THESE COMMUNITY FACILITIES ARE NOT WITHIN THE PROJECT LIMITS. IMPACTS TO THE SURROUNDING NEIGHBORHOOD WILL BE MINIMIZED AND/OR AVOIDED DURING CONSTRUCTION ACTIVITIES. CURING CONSTRUCTION, NO STAGING OF CONSTRUCTION EQUIPMENT ON PRIVATE PROPERTIES WILL BE PERMITTED.
- 19. ACCESS TO ALL PROPERTIES WILL BE AVAILABLE DURING ALL PERIODS OF CONSTRUCTION. THE CONTRACTOR WILL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS WITH THIS PROJECT WITH THE CITY ENGINEER AT 561-243-7000.

UTILITY CONTACTS

CITY OF DELRAY BEACH WATER/SEWER VICTOR MAJTENYI DEPUTY DIRECTOR OF PUBLIC UTILITIES 434 S. SWINTON AVENUE DELRAY BEACH, FL 33444 (561) 243-7000, EXT. 4205	FLORIDA PUBLIC UTILITIES CORP. IVAN GIBBS 209 N. SAPODILLA AVENUE WEST PALM BEACH, FL 33401 (561) 723-3459
AT&T GARTH BEDWARD 2021 S MILITARY TRAIL WEST PALM BEACH, FL 33415 GARTH.BEDWARD@ATT.COM PHONE 561-540-9263 CELL 561-329-5451	PALM BEACH COUNTY TRAFFIC OPERATIONS SUPERINTENDENT 2300 JOG ROAD WEST PALM BEACH, FL 33411-2747 PHONE 561-681-4371
COMCAST STEPHEN ROSA 7201 N. FEDERAL HIGHWAY BOCA RATON, FL 33407 PHONE 561-454-5851	TECO MAX CHAMORRO 5101 NW 21 AVENUE, STE 460 FT LAUDERDALE, FL 33309
FLORIDA POWER AND LIGHT JOHN VAN VLEET 9329 S. MILITARY TRAIL BOYNTON BEACH, FL 33436 (561) 742-2003	



LEGEND

PROP. ELEVATION	0.00
EXIST. ELEVATION	+ 0.00
DIRECTION OF FLOW	~
STREET/STOP/TRAFFIC SIGN	+
EXIST. BACKFLOW PREVENTER	⊖
EXIST. BOLLARD	⊙
EXIST. CLEANOUT	⊗
EXIST. FIRE HYDRANT	⚡
EXIST. FLOOD LIGHT	⚡
EXIST. GATE VALVE	⊗
EXIST. SANITARY MANHOLE	⊙
EXIST. METER WATER/ELECTRIC	⊗
EXIST. POWER POLE	⊙
EXIST. DRAINAGE	— — — D —
EXIST. OVERHEAD LINES	— — — OH —
EXIST. OVERHEAD UTILITIES	— — — OHU —
EXIST. SANITARY	— — — S —
EXIST. TELEPHONE	— — — BT —
EXIST. WATERMAIN	— — — W —

ABBREVIATIONS

BT	BURIED TELEPHONE
CB	CATCH BASIN
CL	CENTER LINE
CI	CURB INLET
CO	CLEANOUT
CS	CONTROL STRUCTURE
D	DRAINAGE MANHOLE
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EX,EXIST	EXISTING
FH	FIRE HYDRANT
I	INLET
INV	INVERT
M	MANHOLE
MB	MAIL BOX
OE	OVERHEAD ELECTRIC
OHU	OVERHEAD UTILITY
OS	OFFSET
PBC	PALM BEACH COUNTY
PROP	PROPOSED
R/W	RIGHT OF WAY
S	SEWER MANHOLE
STA	STATION
SW	SIDEWALK
TYP	TYPICAL
W	WATER METER
WPP	WOOD POWER POLE
WV	WATER VALVE

PROP. 4" THICK CONCRETE (REMOVE & REPLACE)		PROPOSED RECONSTRUCTED SHOULDER	
PROP. 4" THICK CONCRETE (NEW CONSTRUCTION)		PROP. LIMITS OF MILL AND RESURFACE 2"	
PROP. 6" THICK CONCRETE (SIDEWALK)		PROP. SWALE REGRADING	
PROP. 6" THICK CONCRETE (DRIVEWAY)		PROP. GREEN BIKE LANE SURFACE	
PAVER BRICK CROSSWALK BID-ALTERNATE			

PAVEMENT MARKING LEGEND

Ⓐ	6" WHITE SOLID
Ⓒ	6" WHITE 2'-4" DOTTED
Ⓓ	12" WHITE
Ⓔ	24" WHITE
Ⓕ	6" DOUBLE YELLOW WITH RPMs
Ⓖ	6" SKIP WHITE 6'-10'
Ⓕ	6" DOUBLE YELLOW
Ⓖ	18" SOLID YELLOW
Ⓖ	8" SOLID WHITE
Ⓖ	FLEXIBLE DELINEATOR POST WHITE
Ⓖ	RPM BI-DIRECTIONAL WHITE/RED

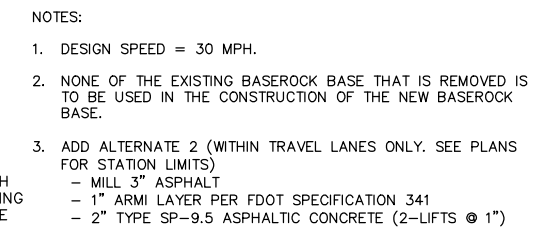
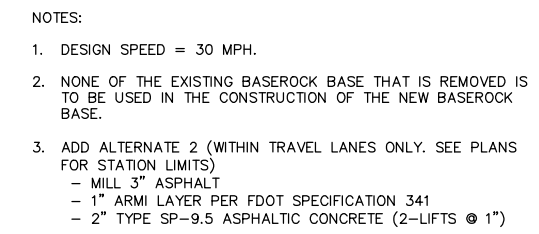
20035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 60691 - LB No. 7055

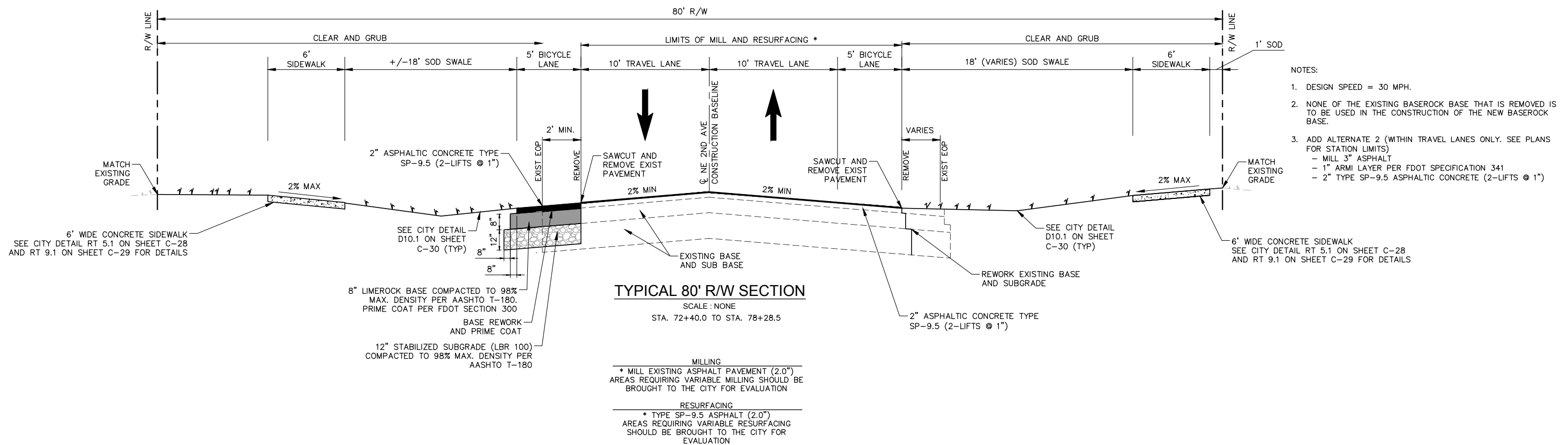
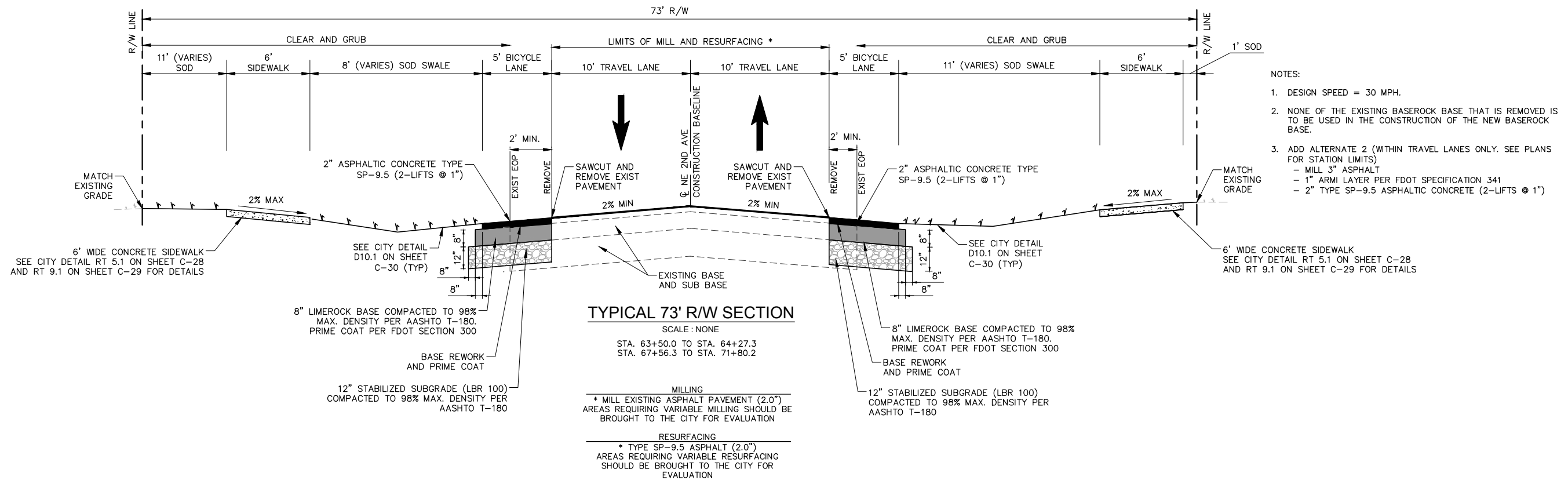
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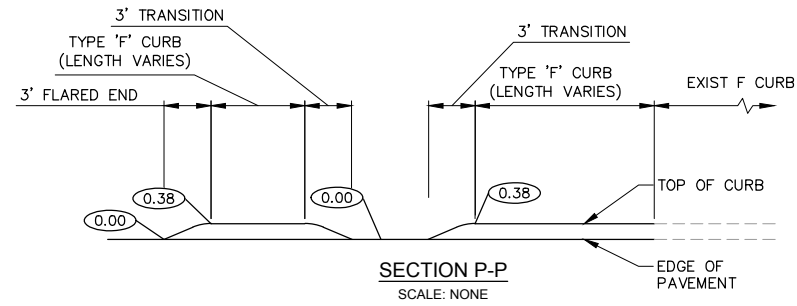
PROJECT	NE 2ND AVENUE / SEACREST PHASE 2	TASK	GENERAL NOTES

ENGINEER OF RECORD BRETT OLDFORD, P.E. PE# 61795	CAD 16-032_GND.WG	JOB NO. 1004.18	TOTAL SHEETS 29	DATE 6/7/2017	SCALE NONE	NO.	DATE	BY	REVISIONS

SHEET:	C-2
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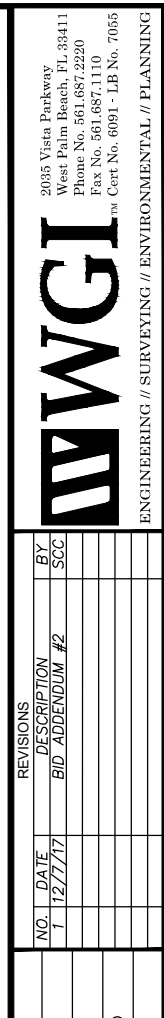


The diagram illustrates the cross-section of a road project for a church drop-off area. Key features include:

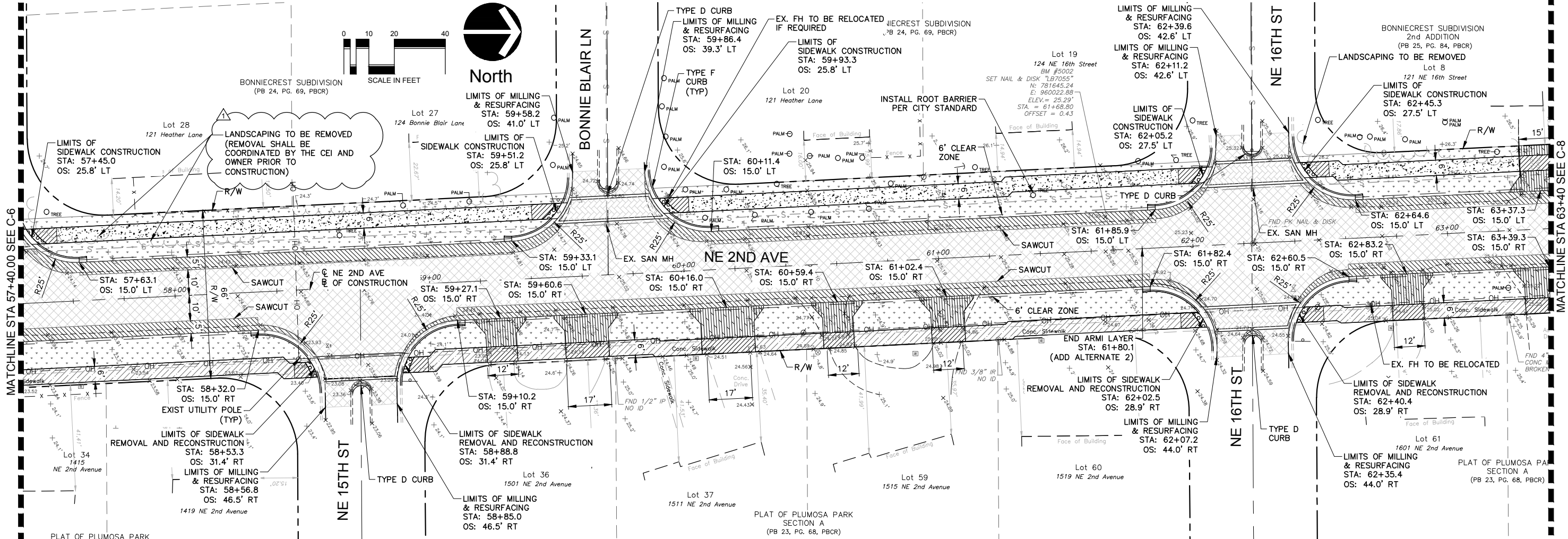
- Construction Baseline:** Indicated by a vertical line on the left, labeled "C. NE 2ND AVE CONSTRUCTION BASELINE".
- Limits of Mill and Resurfacing:** A horizontal line spanning the width of the project, labeled "LIMITS OF MILL AND RESURFACING *".
- Lane and Area Widths:**
 - 10' TRAVEL LANE
 - 5' BICYCLE LANE
 - 11' PARALLEL DROP OFF AREA
 - 6' SIDEWALK
- Drop-off Area:** A 2" MILLING AND RESURFACING area is shown within the 11' PARALLEL DROP OFF AREA.
- Existing Base and Subgrade:** Dashed lines represent the "EXISTING BASE" and "EXISTING SUBGRADE".
- Sidewalk Details:**
 - A 2% MAX slope is indicated for the sidewalk.
 - A 6" WIDE CONCRETE MONOLITHIC 6" THICK SIDEWALK is shown, with a reference to "SEE DETAIL ON SHEET C-28".
 - A "MATCH EXISTING GRADE" is indicated at the end of the sidewalk.
- Right-of-Way (R/W) Line:** A vertical line on the right, labeled "R/W LINE".
- 1' SOD:** A 1-foot sod area is indicated between the sidewalk and the R/W line.

CHURCH DROP OFF DETAIL
SCALE : NONE

STA. 67+72.7 TO STA. 69+43.5



- 
- Know what's below.
Call before you dig.**



NOTES:

- ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
- ALL CROSSWALK SIGNS AND ADVANCED PAVEMENT MESSAGES SHALL BE DESIGNED AND INSTALLED PER FDOT STANDARD (INDEX NO. 17346).
- REFERENCE THE 2017 FDOT 600 SERIES FOR ALL REQUIRED AND APPLICABLE MOT PLANS.
- ALL DETECTABLE BRICK PAVERS SHALL BE COLOR "BRICK RED".
- CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST VALVE RINGS AND COVERS TO MATCH PROPOSED GRADE.
- REFER TO "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" ALSO KNOWN AS THE "FLORIDA GREEN BOOK", FOR CLEAR ZONES, CHAPTER 3, TABLE 3-12
- CONTRACTOR RESPONSIBLE TO REPLACE ALL TRAFFIC LOOPS.
- ANY STEEL INCORPORATED INTO THIS PROJECT SHALL CONFORM TO BUY AMERICA PROVISION 23 CFR 635.410.
- ALL WORK FOR THIS PROJECT WILL BE COMPLETED WITHIN AND FROM THE EXISTING RIGHT OF WAY.
- THE DESIGN SPEED FOR THIS ROAD IS 30 MPH.
- THE CITY'S CONTRACTED CONSTRUCTION, ENGINEERING AND INSPECTION (CEI) COMPANY FOR NE 2ND AVE - PHASE 2 SHALL BE RESPONSIBLE FOR COORDINATING THE REMOVAL OF PRIVATE LANDSCAPING AND ABOVE GROUND APPURTENANCES LOCATED WITHIN CITY R/W BEFORE CONSTRUCTION BEGINS.
- FIRE HYDRANT RELOCATION SHALL BE COORDINATED AND COMPLETED BY THE CITY PRIOR TO CONSTRUCTION COMMENCEMENT.
- ALL EXISTING UTILITY POLES AND GUY ANCHORS ARE TO REMAIN.

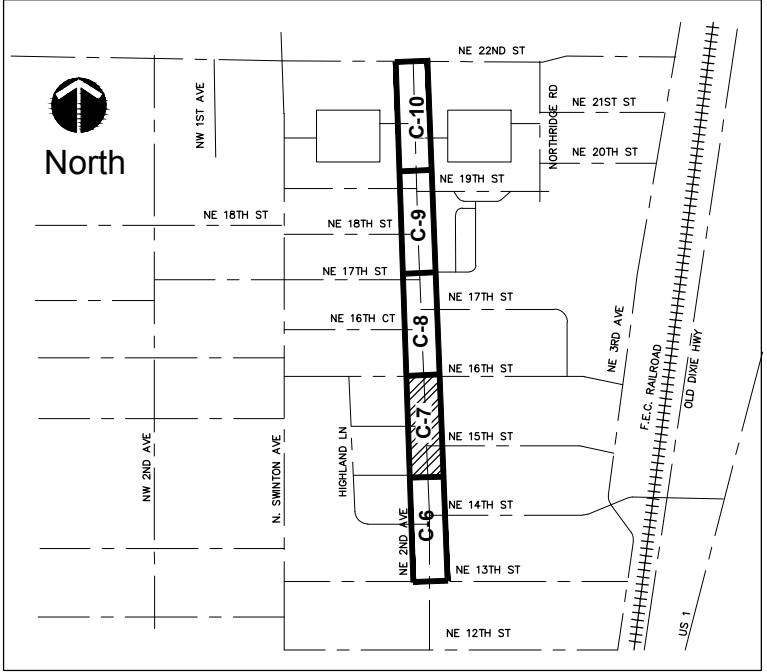
LEGEND

EXIST. ELEVATION	+0.00
DIRECTION OF FLOW	→
STREET/STOP SIGN	+
EXIST. BACKFLOW PREVENTER	⊗
EXIST. BOLLARD	Ⓟ
EXIST. CLEANOUT	⊗
EXIST. FIRE HYDRANT	Ⓜ
EXIST. FLOOD LIGHT	Ⓜ
EXIST. GATE VALVE	Ⓜ
EXIST. SANITARY MANHOLE	Ⓜ
EXIST. METER WATER/ELECTRIC	Ⓜ
EXIST. POWER POLE	Ⓜ
EXIST. DRAINAGE	— D —
EXIST. OVERHEAD LINES	— OH —
EXIST. SANITARY	— S —
EXIST. TELEPHONE	— BT —
EXIST. WATERMAIN	— W —

ABBREVIATIONS

BT	BURIED TELEPHONE
CB	CATCH BASIN
CL	CENTER LINE
CI	CURB INLET
CO	CLEANOUT
CR	CURB RAMP
CS	CONTROL STRUCTURE
D	DRAINAGE MANHOLE
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EX	EXISTING
FH	FIRE HYDRANT
I	INLET
INV	INVERT
M	MANHOLE
MB	MAIL BOX
OE	OVERHEAD ELECTRIC
OHU	OVERHEAD UTILITY
OS	OFFSET
PBC	PALM BEACH COUNTY
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
R/W	RIGHT OF WAY
S	SEWER MANHOLE
STA	STATION
SW	SEWER MANHOLE
TYP	TYPICAL
W	WATER METER
WPP	WOOD POWER POLE
WV	WATER VALVE

PROP. 4" THICK CONCRETE (REMOVE & REPLACE)		PROPOSED RECONSTRUCTED SHOULDER	
PROP. 4" THICK CONCRETE (NEW CONSTRUCTION)		PROP. LIMITS OF MILL AND RESURFACE 2"	
PROP. 6" THICK CONCRETE (SIDEWALK)		PROP. PAVEMENT BRICK CROSSWALK (ADD ALTERNATE 1)	
PROP. 6" THICK CONCRETE (DRIVEWAY)			
PROP. SWALE REGRADING			



KEY MAP
SCALE : NONE



2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

WGI

ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING

REVISIONS	NO.	DATE	DESCRIPTION	BY	APP.
	1	12/7/17	BID ADDENDUM #2	SCC	

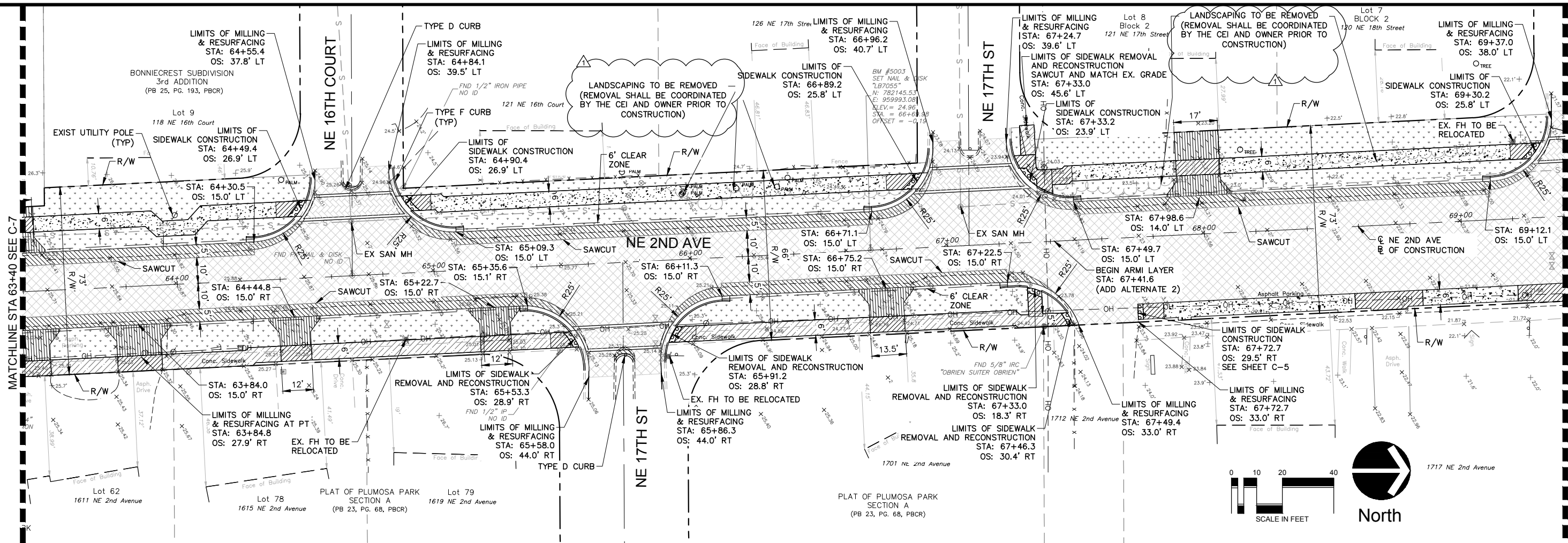
CAD 16-032_NE2_RD PLANS.DWG	DRAWN	SCC
JOB NO. 1004.18	DESIGNED	SCC
TOTAL SHEETS 29	CHECKED	BNO
DATE 12/7/2017	QC	JWR
SCALE 1" = 20'		

ENGINEER OF RECORD
BRETT OLDFORD, P.E.
PE# 61795

PROJECT
NE 2ND AVENUE / SEACREST
PHASE 2

TASK
ROADWAY IMPROVEMENT PLAN

SHEET:
C-7



NOTES:

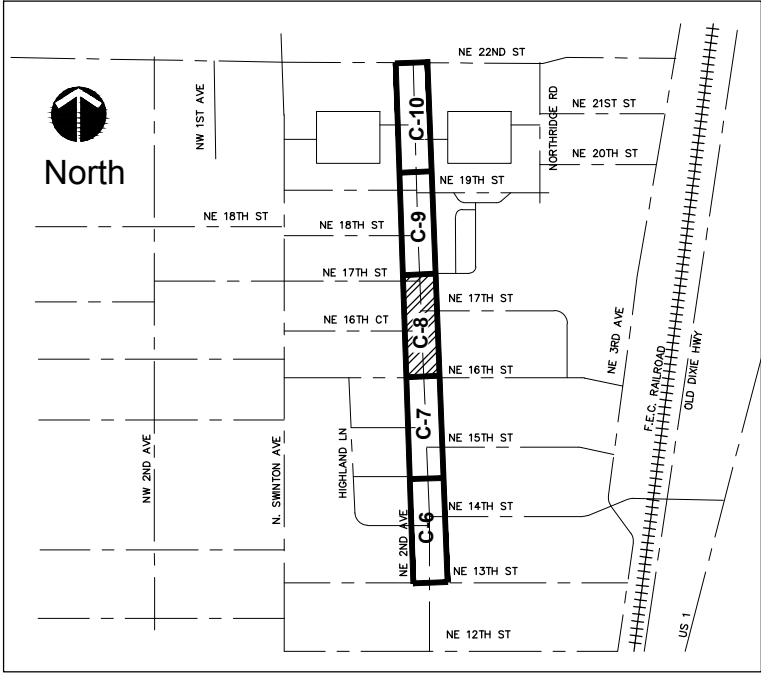
- ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
- ALL CROSSWALK SIGNS AND ADVANCED PAVEMENT MESSAGES SHALL BE DESIGNED AND INSTALLED PER FDOT STANDARD (INDEX NO. 17346).
- REFERENCE THE 2017 FDOT 600 SERIES FOR ALL REQUIRED AND APPLICABLE MOT PLANS.
- ALL DETECTABLE BRICK PAVERS SHALL BE COLOR "BRICK RED".
- CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST VALVE RINGS AND COVERS TO MATCH PROPOSED GRADE.
- REFER TO "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" ALSO KNOWN AS THE "FLORIDA GREEN BOOK", FOR CLEAR ZONES, CHAPTER 3, TABLE 3-12
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- FIRE HYDRANT RELOCATION SHALL BE COORDINATED AND COMPLETED BY THE CITY PRIOR TO CONSTRUCTION COMMENCEMENT.
- ALL EXISTING UTILITY POLES AND GUY ANCHORS ARE TO REMAIN.

LEGEND

EXIST. ELEVATION	+0.00
DIRECTION OF FLOW	→
STREET/STOP SIGN	+
EXIST. BACKFLOW PREVENTER	⊙
EXIST. BOLLARD	⊗
EXIST. CLEANOUT	⊗
EXIST. FIRE HYDRANT	⊗
EXIST. FLOOD LIGHT	⊗
EXIST. GATE VALVE	⊗
EXIST. SANITARY MANHOLE	⊗
EXIST. METER WATER/ELECTRIC	⊗
EXIST. POWER POLE	⊗
EXIST. DRAINAGE	— D —
EXIST. OVERHEAD LINES	— OH —
EXIST. SANITARY	— S —
EXIST. TELEPHONE	— BT —
EXIST. WATERMAIN	— W —
PROP. 4" THICK CONCRETE (REMOVE & REPLACE)	▨
PROP. 4" THICK CONCRETE (NEW CONSTRUCTION)	▨
PROP. 6" THICK CONCRETE (SIDEWALK)	▨
PROP. 6" THICK CONCRETE (DRIVEWAY)	▨
PROP. SWALE REGRADING	▨

ABBREVIATIONS

BT	BURIED TELEPHONE
CB	CATCH BASIN
CL	CENTER LINE
CI	CURB INLET
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D	DRAINAGE MANHOLE
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STA	STATION
SW	SIDEWALK
TYP	TYPICAL
W	WATER METER
WPP	WOOD POWER POLE
WV	WATER VALVE
PROP. RECONSTRUCTED SHOULDER	▨
PROP. LIMITS OF MILL AND RESURFACE 2"	▨
PROP. PAVEMENT CROSSWALK (ADD ALTERNATE 1)	▨



KEY MAP
SCALE : NONE



PROJECT: NE 2ND AVENUE / SEACREST PHASE 2

TASK: ROADWAY IMPROVEMENT PLAN

SHEET: C-8

ENGINEER OF RECORD: BRETT OLDFORD, P.E. PE# 61795

CAD: 16-032_NE2_RD PLANS.DWG

JOB NO.: 1004.18

TOTAL SHEETS: 29

DATE: 12/7/2017

SCALE: 1" = 20'

REVISIONS

NO.	DATE	DESCRIPTION	BY	APP.
1	12/7/17	BID ADDENDUM #2	SCC	

BY: SCC

DATE: 12/7/17

DESCRIPTION: BID ADDENDUM #2

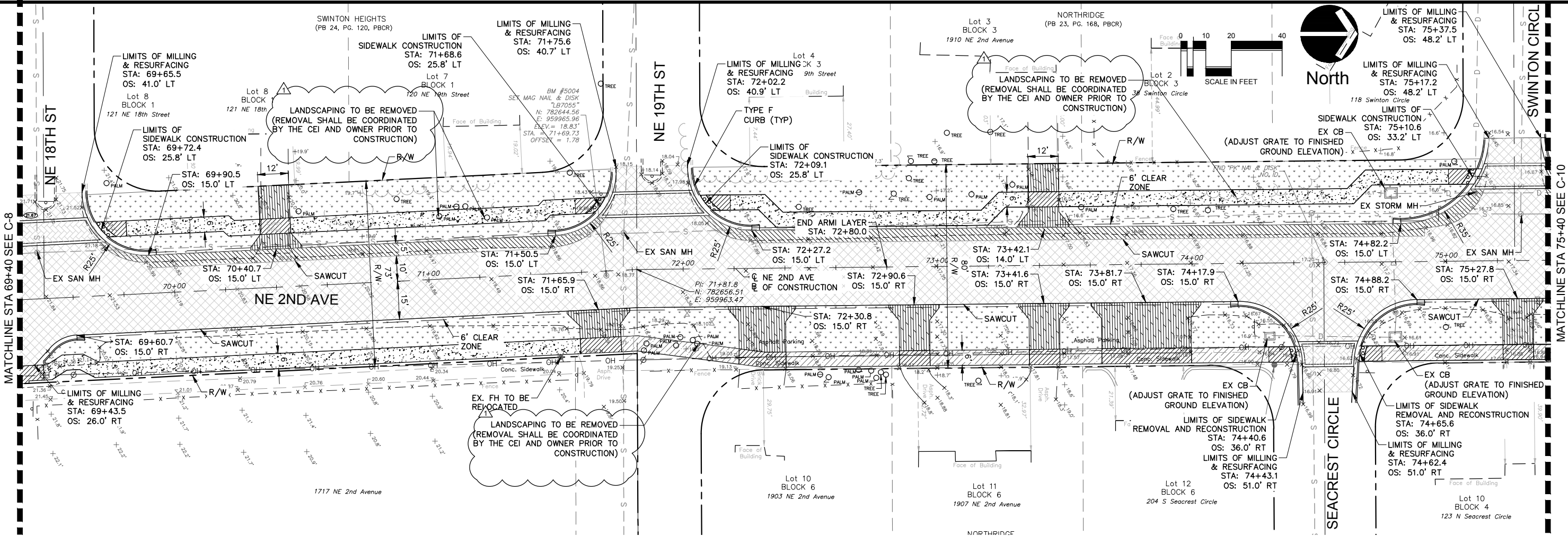
NO.: 1

2035 Vista Parkway
West Palm Beach, FL 33411
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Cert. No. 6091 - LB No. 7055

WGI

ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING

Stephen Cherry C:\pwworking\wg\external\02094171\16-032-ne2_00_Plane.dwg 12/7/2017 3:00:44 PM S:\net 12/7/2017 2:58:25 PM



NOTES:

- ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
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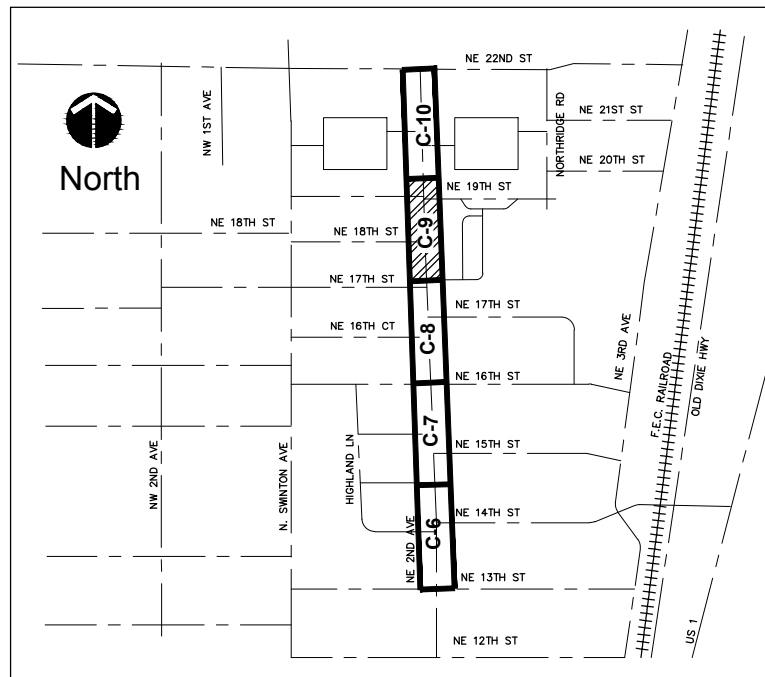
LEGEND

EXIST. ELEVATION	4.00
DIRECTION OF FLOW	
STREET/STOP SIGN	
EXIST. BACKFLOW PREVENTER	
EXIST. BOLLARD	
EXIST. CLEANOUT	
EXIST. FIRE HYDRANT	
EXIST. FLOOD LIGHT	
EXIST. GATE VALVE	
EXIST. SANITARY MANHOLE	
EXIST. METER WATER/ELECTRIC	
EXIST. POWER POLE	
EXIST. DRAINAGE	D
EXIST. OVERHEAD LINES	OH
EXIST. SANITARY	S
EXIST. TELEPHONE	BT
EXIST. WATERMAIN	W
PROP. 4" THICK CONCRETE (REMOVE & REPLACE)	
PROP. 4" THICK CONCRETE (NEW CONSTRUCTION)	
PROP. 6" THICK CONCRETE (SIDEWALK)	
PROP. 6" THICK CONCRETE (DRIVEWAY)	
PROP. SWALE REGRAVING	

ABBREVIATIONS

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PROPOSED RECONSTRUCTED SHOULDER	
PROP. LIMITS OF MILL AND RESURFACE 2"	
PROP. PAVER BRICK CROSSWALK (ADD ALTERNATE 1)	



KEY MAP
SCALE : NONE



2005 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

WVGI

ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING

NO.	DATE	REVISIONS	DESCRIPTION	BY
1	12/7/17		BID ADDENDUM #2	SCC

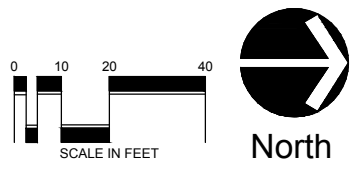
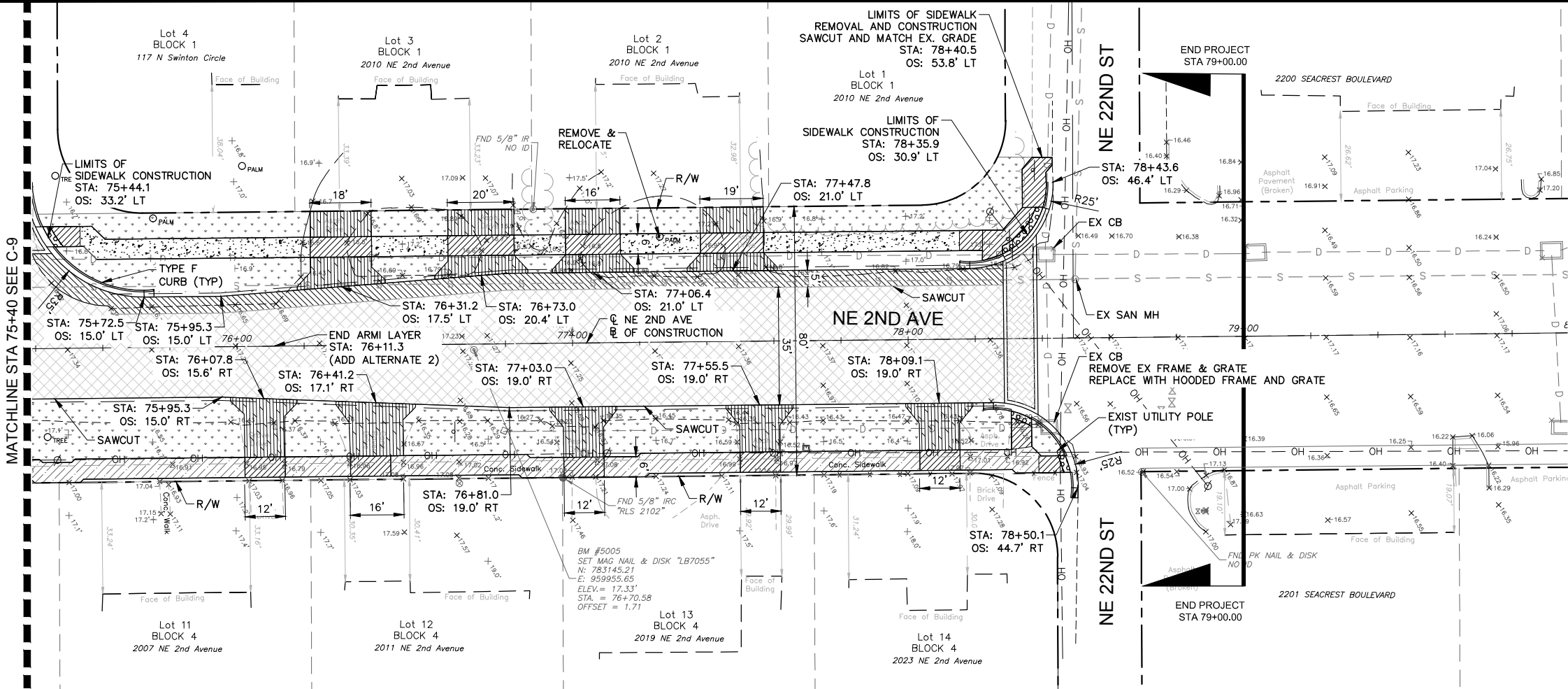
CAD 16-032_NE2_RD PLANS.DWG	DRAWN	SCC
JOB NO. 1004.1B	DESIGNED	SCC
TOTAL SHEETS 29	CHECKED	BNO
DATE 12/7/2017	QC	JWR
SCALE 1" = 20'		

ENGINEER OF RECORD
BRETT OLDFORD, P.E.
PE#61795

PROJECT
NE 2ND AVENUE / SEACREST
PHASE 2

TASK
ROADWAY IMPROVEMENT PLAN

SHEET:
C-9



NOTES:

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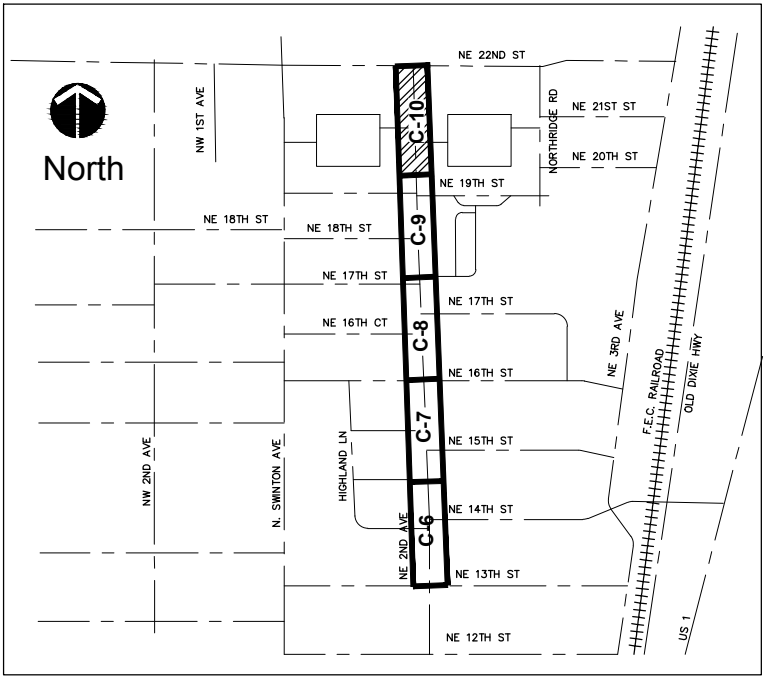
LEGEND

EXIST. ELEVATION	+0.00
DIRECTION OF FLOW	~
STREET/STOP SIGN	+
EXIST. BACKFLOW PREVENTER	⊗
EXIST. BOLLARD	⊙
EXIST. CLEANOUT	⊗
EXIST. FIRE HYDRANT	⊗
EXIST. FLOOD LIGHT	⊗
EXIST. GATE VALVE	⊗
EXIST. SANITARY MANHOLE	⊙
EXIST. METER WATER/ELECTRIC	⊙
EXIST. POWER POLE	⊙
EXIST. DRAINAGE	---
EXIST. OVERHEAD LINES	---
EXIST. SANITARY	---
EXIST. TELEPHONE	---
EXIST. WATERMAIN	---
PROP. 4" THICK CONCRETE (REMOVE & REPLACE)	▨
PROP. 4" THICK CONCRETE (NEW CONSTRUCTION)	▨
PROP. 6" THICK CONCRETE (SIDEWALK)	▨
PROP. 6" THICK CONCRETE (DRIVEWAY)	▨
PROP. SWALE REGRAVING	▨

ABBREVIATIONS

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W	WATER METER
WPP	WOOD POWER POLE
WV	WATER VALVE

PROPOSED RECONSTRUCTED SHOULDER	▨
PROP. LIMITS OF MILL AND RESURFACE 2"	▨
PROP. PAVR BRICK CROSSWALK (ADD ALTERNATE 1)	▨



KEY MAP
SCALE : NONE



2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

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REVISIONS		BY	DATE	DESCRIPTION
1	12/7/17	SCC		BID ADDENDUM #2

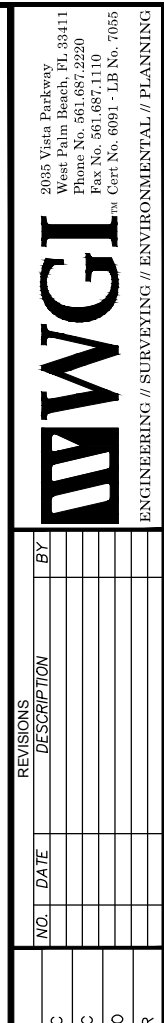
CAD 16-032_NE2_RD PLANS.DWG	JOB NO. 1004.18	DRAWN	SCC
TOTAL SHEETS 29	DESIGNED	SCC	
DATE 12/7/2017	CHECKED	BNO	
SCALE 1" = 20'	QC	JWR	

ENGINEER OF RECORD
BRETT OLDFORD, P.E.
PE# 61795

PROJECT
NE 2ND AVENUE / SEACREST
PHASE 2

TASK
ROADWAY IMPROVEMENT PLAN

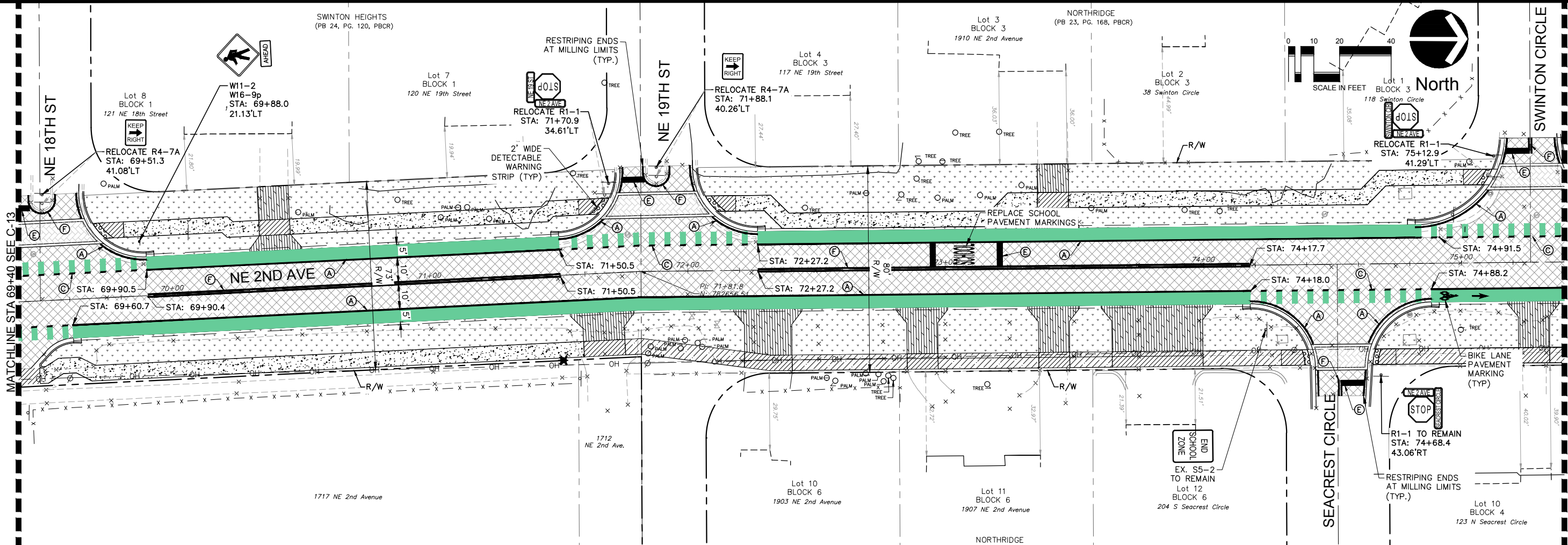
SHEET:
C-10



**Know what's below.
Call before you dig.**

PROJECT:	NE 2ND AVENUE / SEACREST PHASE 2		ENGINEER OF RECORD BRETT OLDFORD, P.E. PE# 61795	CAD16--032_NE2_SM PLANS.DWG		REVISIONS	
				NO.	DATE		
TASK:	SIGNING & PAVEMENT MARKING PLANS			JOB NO.	1004.18	DRAWN	SCC
				TOTAL SHEETS	29	DESIGNED	SCC
				DATE	5/23/2017	CHECKED	BNO
				SCALE	1" = 20'	QC	JWR
SHEET:		C-12					

Staples Cherry C:\pwworking\wg\l\unlabeled\2025411\16-032-002-SM PLANS.dwg 11/17/2017 1:03:12 PM Saved: 6/23/2017 11:51:19 AM



NOTES:

1. ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
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8. ANY STEEL INCORPORATED INTO THIS PROJECT SHALL CONFORM TO BUY AMERICA PROVISION 23 CFR 635.410.
9. ALL WORK MUST BE PERFORMED COMPLETELY WITHIN THE CITY'S RIGHT-OF-WAY.
10. THE DESIGN SPEED FOR THIS ROAD IS 30 MPH.
11. ALL EXISTING SIGNS LOCATED WITHIN PROJECT R/W SHALL BE REMOVED, STORED, AND REINSTALLED OUTSIDE OF THE CLEAR ZONE

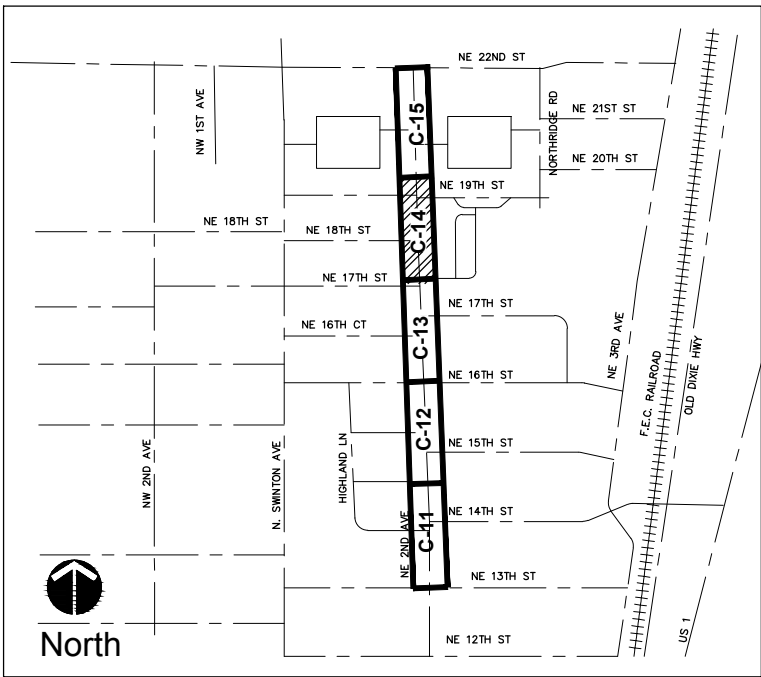
LEGEND

STREET/STOP SIGN	
EXIST. BACKFLOW PREVENTER	
EXIST. BOLLARD	
EXIST. CLEANOUT	
EXIST. FIRE HYDRANT	
EXIST. FLOOD LIGHT	
EXIST. GATE VALVE	
EXIST. SANITARY MANHOLE	
EXIST. METER WATER/ELECTRIC	
EXIST. POWER POLE	
PROP. 4" THICK CONCRETE (REMOVE & REPLACE)	
PROP. 4" THICK CONCRETE (NEW CONSTRUCTION)	
PROP. 6" THICK CONCRETE (SIDEWALK)	
PROP. 6" THICK CONCRETE (DRIVEWAY)	
PROP. GREEN BIKE LANE SURFACE	
PROP. SWALE REGRADING	

PAVEMENT MARKING

(A)	6" WHITE SOLID
(C)	6" WHITE 2'-4' DOTTED
(D)	12" WHITE
(E)	24" WHITE
(F)	6" DOUBLE YELLOW WITH RPMS
(G)	6" SKIP WHITE 6'-10'
(H)	6" DOUBLE YELLOW
(J)	18" SOLID YELLOW
(K)	8" SOLID WHITE
(L)	FLEXIBLE DELINEATOR POST WHITE
(M)	RPM BI-DIRECTIONAL WHITE/RED

NOTE:
SEE DETAIL RT3.2 FOR TRAFFIC CONTROL STOP CONDITIONS AT INTERSECTIONS



KEY MAP
SCALE : NONE



PROJECT

NE 2ND AVENUE / SEACREST PHASE 2

TASK

SIGNING & PAVEMENT MARKING PLANS

SHEET:

C-14

ENGINEER OF RECORD
BRETT OLDFORD, P.E.
PE# 61795

CAD 16-032_NE2_SM PLANS.DWG

JOB NO. 1004.18

TOTAL SHEETS 29

DATE 5/23/2017

SCALE 29

REVISIONS

NO.	DATE	DESCRIPTION

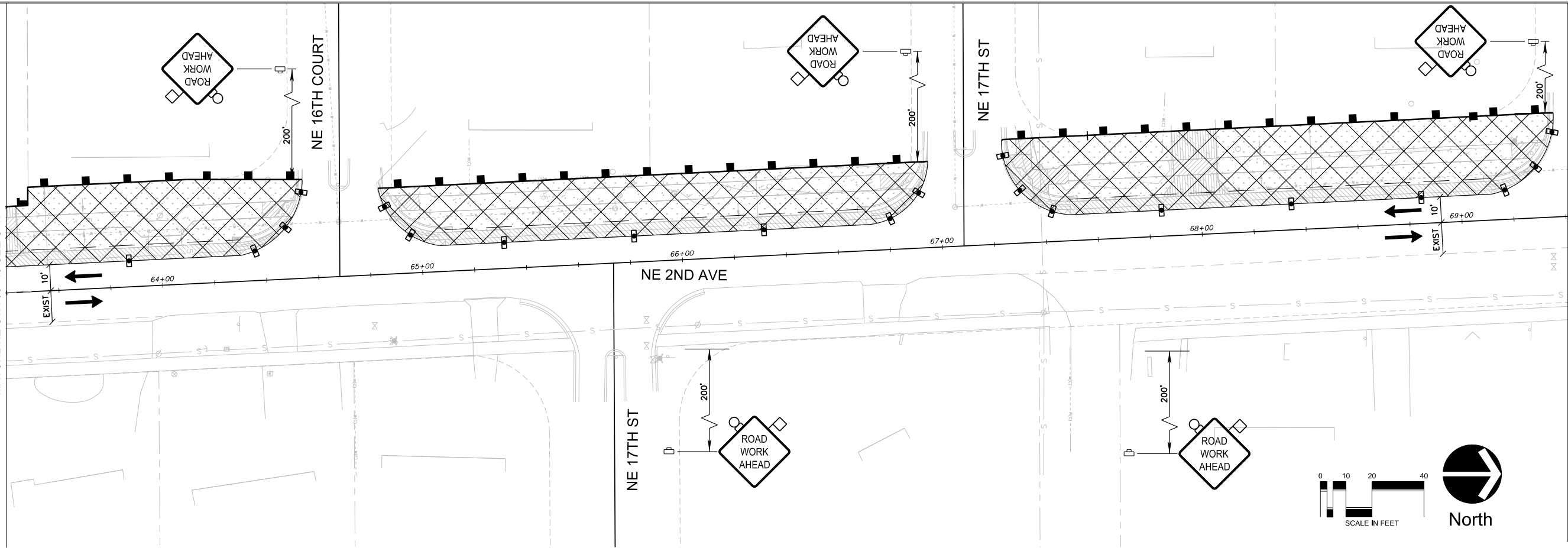
BY

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MATCHLINE STA 63+40 SEE C-17



MATCHLINE STA 69+40 SEE C-19

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3. SEE LANDSCAPE PLANS FOR REMOVAL/RELOCATION OF TREES, SHRUBS, AND ALL OTHER LANDSCAPING CONFLICTS.
4. REFERENCE AND CONFORM TO THE 2016 FDOT 600 SERIES FOR ALL REQUIRED AND APPLICABLE MOT PLANS.
5. SPACING OF CHANNELIZING DEVICES SHOWN IN TRAFFIC CONTROL PLAN SHALL CONFORM TO STANDARD INDEX 600 UNLESS OTHERWISE NOTED.
6. ALL DETECTABLE BRICK PAVERS SHALL BE COLOR "BRICK RED".
7. CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST VALVE RINGS AND COVERS TO MATCH PROPOSED GRADE.
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9. CONTRACTOR RESPONSIBLE TO REPLACE ALL ITS TRAFFIC LOOPS.
10. UTILIZE ROAD CLOSURES TO MINOR SIDESTREETS TO PROVIDE PROPER CONSTRUCTION OF PAVER BRICK CROSSWALKS INCLUDING CURE TIME.
11. MAINTAIN NW 17TH ST/PLUMOSA ELEMENTARY SCHOOL CROSSWALK DURING CONSTRUCTION ON SCHOOL DAYS. UTILIZE R9-9 SIGN AS NEEDED DURING CONSTRUCTION.
12. CONTRACTOR SHALL COORDINATE WITH THE PALM BEACH COUNTY SCHOOL BOARD FOR BUS ROUTE ACCESS AND LANE CLOSURES.

LEGEND

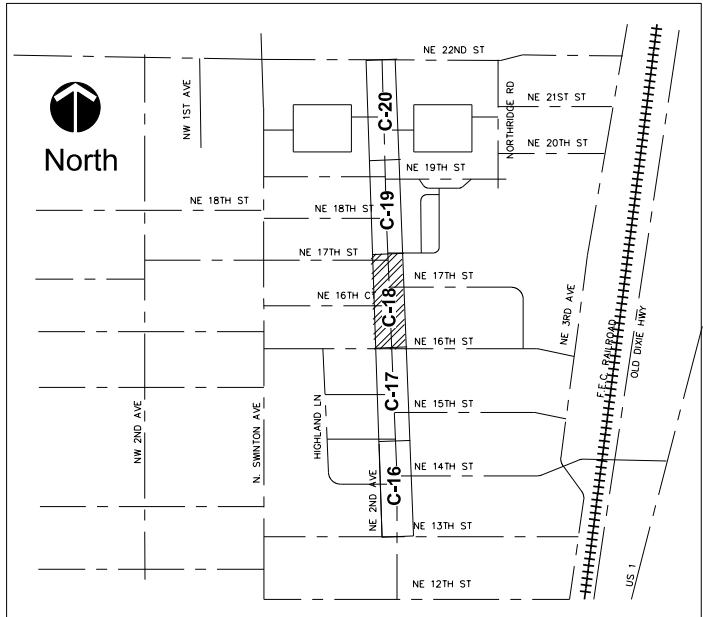
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- WORK ZONE SIGN
- WORK ZONE
- SEDIMENT BARRIER (SILT FENCE)

SIGN PANELS

- SIDEWALK CLOSED
R9-9
24" X 12"
- END ROAD WORK
G20-2
36" X 18"
- SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
MOT-14-06
54" X 36"
- ROAD WORK AHEAD
W20-1
36" X 36"
- ROAD WORK AHEAD
W21-1
36" X 36"

TRAFFIC CONTROL PLAN PHASE NOTES:

- PHASE I (CURRENT PHASE SHOWN ON THIS PLAN SHEET):
- ** WORK ON THE WEST SIDE OF NE 2ND AVENUE WHILE THE EAST SIDE REMAINS ACCESSIBLE TO PEDESTRIANS.
1. MAINTAIN TRAFFIC IN EXISTING CONFIGURATION.
 2. INSTALL TRAFFIC CONTROL SIGNS AND DEVICES PER STANDARD INDEX 600, 603 AND 660 AS APPLICABLE.
 3. BEGIN CLEARING AND GRUBBING WITHIN THE LIMITS OF THE WORK ZONE.
 4. CONSTRUCT ALL PROPOSED IMPROVEMENTS WITHIN THE WORK ZONE AS SHOWN IN THE PLANS.
- PHASE II:
- ** WORK ON THE EAST SIDE OF NE 2ND AVENUE WHILE PEDESTRIANS UTILIZE THE NEWLY CONSTRUCTED WEST SIDE.
1. MAINTAIN TRAFFIC IN EXISTING CONFIGURATION.
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- ** MILLING & RESURFACING AND INTERSECTION WORK UPON COMPLETION OF PERIPHERAL CONSTRUCTION.
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 2. UTILIZE CLOSURES/DETOURS TO MILL & RESURFACE, COMPLETE WORK WITHIN INTERSECTIONS, CONSTRUCT PAVER BRICK CROSSWALKS AND PLACE PERMANENT PAVEMENT MARKINGS AS SHOWN IN THE PLANS. REFER TO STANDARD INDEX 603 FOR MOT INVOLVING WORK WITHIN THE TRAVEL WAY.



KEY MAP
SCALE : NONE









PROJECT: NE 2ND AVENUE / SEACREST PHASE 2	TASK: TRAFFIC CONTROL PLAN PHASE I	ENGINEER OF RECORD BRETT OLDENDORF, P.E. PE# 61795	CAD 16-032_NE2_RD_PLANS.DWG						
			JOB NO. 1004.18	DRAWN	SCC				
			TOTAL SHEETS	DESIGNED	SCC				
			DATE 3/13/2017	CHECKED	BNO				
			SCALE 1" = 20'	QC	JWR				

NOTES:

- 1.ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
- 2.ALL CROSSWALK SIGNS AND ADVANCED PAVEMENT MESSAGES TO BE DESIGNED AND INSTALLED PER FDOT STANDARD (INDEX NO. 17346).
- 3.SEE LANDSCAPE PLANS FOR REMOVAL/RELOCATION OF TREES, SHRUBS, AND ALL OTHER LANDSCAPING CONFLICTS.
- 4.REFERENCE AND CONFORM TO THE 2016 FDOT 600 SERIES FOR ALL REQUIRED AND APPLICABLE MOT PLANS.
- 5.SPACING OF CHANNELIZING DEVICES SHOWN IN TRAFFIC CONTROL PLAN SHALL CONFORM TO STANDARD INDEX 600 UNLESS OTHERWISE NOTED.
- 6.ALL DETECTABLE BRICK PAVERS SHALL BE COLOR "BRICK RED".
- 7.CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST VALVE RINGS AND COVERS TO MATCH PROPOSED GRADE.
- 8.REFER TO "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" ALSO KNOWN AS THE "FLORIDA GREEN BOOK", FOR CLEAR ZONES, CHAPTER 3, TABLE 3-12
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
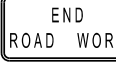




LEGEND

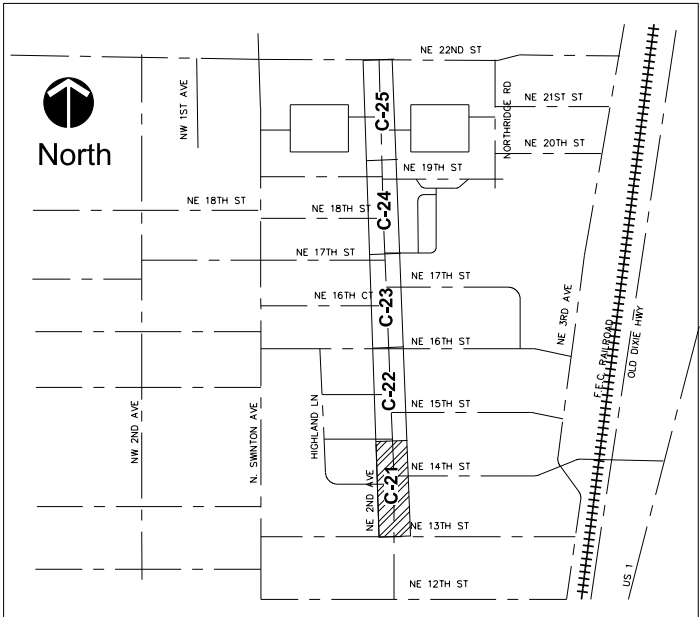
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-  SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
-  TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
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TRAFFIC CONTROL PLAN PHASE NOTES:

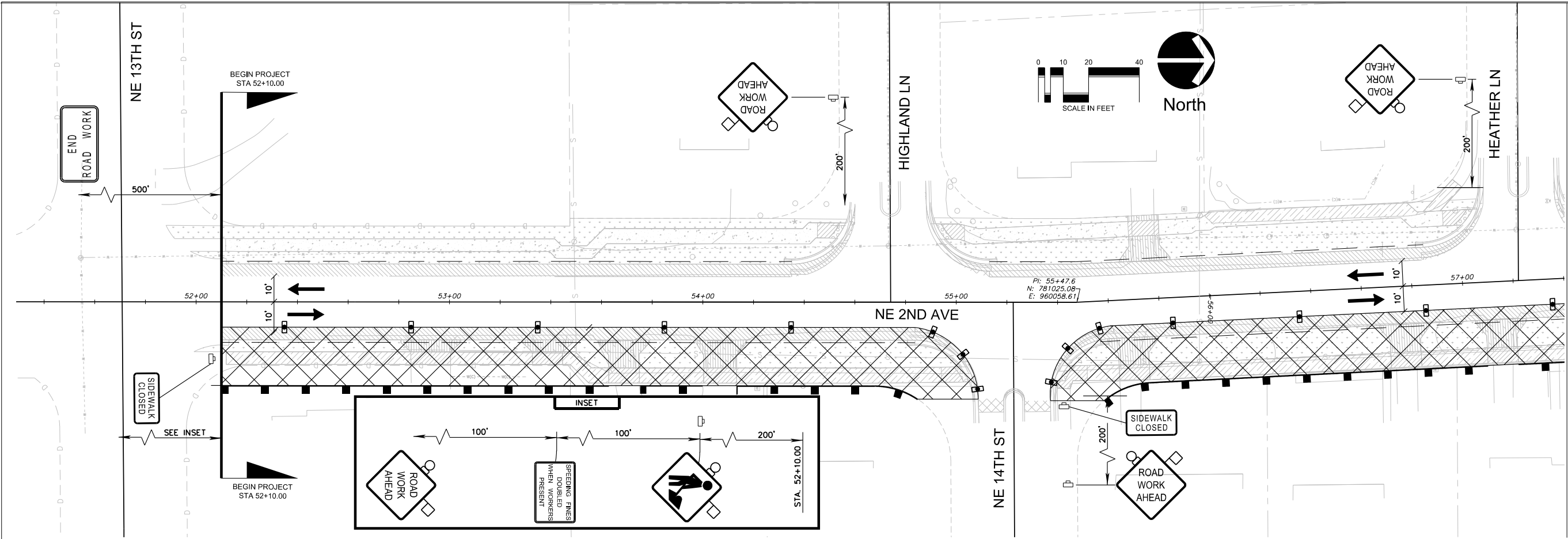
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R9-9
24" X 12"
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36" X 18"
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54" X 36"
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R9-11AR
24" X 12"
-  ROAD WORK AHEAD
W20-1
36" X 36"
-  W21-1
36" X 36"



KEY MAP
SCALE : NONE



MATCHLINE STA 57+40 SEE C-22

PROJECT: NE 2ND AVENUE / SEACREST PHASE 2	ENGINEER OF RECORD BRETT OLDENDORF, P.E. PE# 61795	CAD 16-032_NE2_RD_PLANS.DWG				REVISIONS		
		JOB NO. 1004.18	DRAWN	SCC	NO.	DATE	DESCRIPTION	BY
		TOTAL SHEETS		DESIGNED	SCC			
		DATE	3/13/2017	CHECKED	BNO			
		SCALE	1" = 20'	QC	JWR			
TASK: TRAFFIC CONTROL PLAN PHASE II								

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6001 - LB No. 7055

FWGI

ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING







SHEET:
C-21

Brett Fuller, C. Engineering\wg\liver\009501716-032_m2_R0_PLANS.dwg ----- Plotted: 6/21/2016 5:45:23 PM Spwse: 1/27/2017 1:06:26 PM

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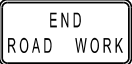
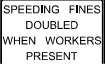



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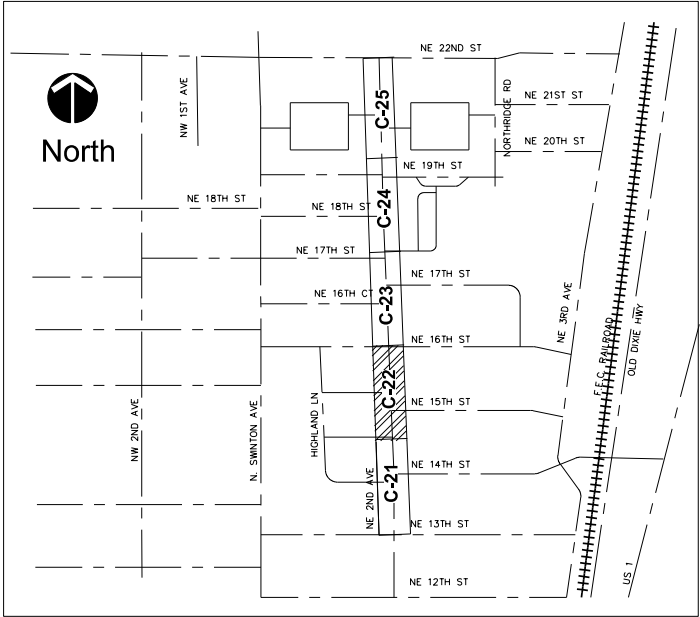
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24" X 12"
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G20-2
36" X 18"
-  SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
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54" X 36"
-  SIDEWALK CLOSED CROSS HERE
R9-11AR
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W20-1
36" X 36"
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36" X 36"



KEY MAP
SCALE : NONE



MATCHLINE STA 57+40.00 SEE C-21

NE 15TH ST


BONNIE BRIAR LN

NE 2ND AVE

NE 16TH ST

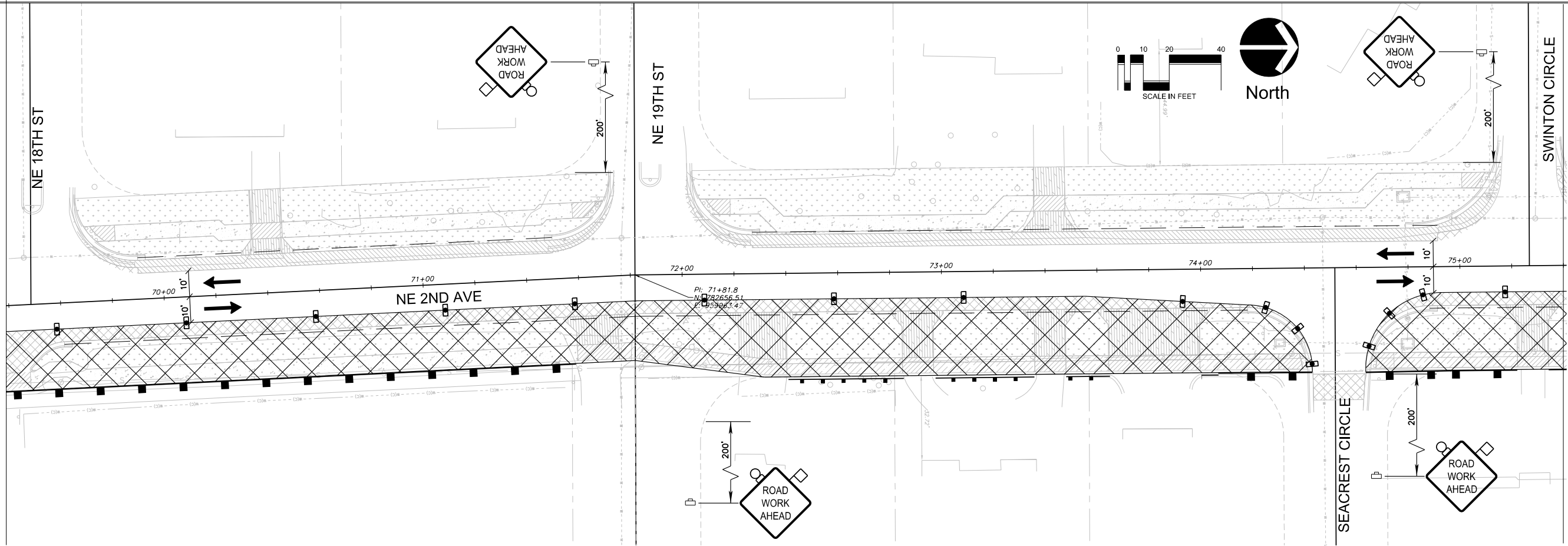
NE 16TH ST

MATCHLINE STA 63+40 SEE C-23

PROJECT:	NE 2ND AVENUE / SEACREST PHASE 2	ENGINEER OF RECORD BRETT OLDFORD, P.E. PE# 61795	CAD 16-032_NE2_RD_PLANS.DWG					REVISIONS		BY	
			JOB NO.	1004.18	DRAWN	SCC	NO.	DATE	DESCRIPTION		
TASK:	TRAFFIC CONTROL PLAN PHASE II		TOTAL SHEETS		DESIGNED		SCC				
			DATE	3/13/2017	CHECKED	BNO					
			SCALE	1" = 20'	QC	JWR					
SHEET: C-22											
											
			2035 Vista Parkway West Palm Beach, FL 33411 Phone No. 561.687.2220 Fax No. 561.687.1110 Cert No. 60091 • LB No. 7055								
			ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING								

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MATCHLINE STA 69+40 SEE C-23



MATCHLINE STA 75+40 SEE C-25

NOTES:

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LEGEND

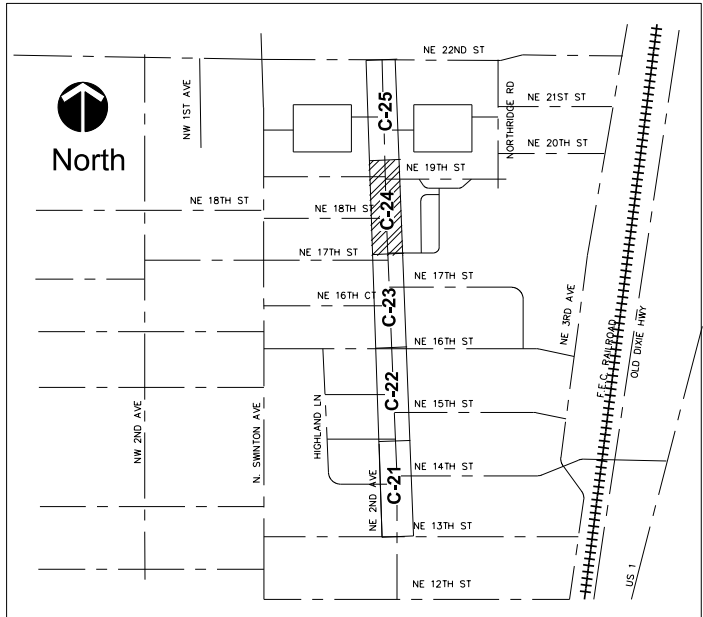
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SIGN PANELS

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KEY MAP
SCALE : NONE



PROJECT: NE 2ND AVENUE / SEACREST PHASE 2

ENGINEER OF RECORD: BRETT FULLER, P.E. PE# 61795

TASKS: TRAFFIC CONTROL PLAN PHASE II

SHEET: C-24

NO.	DATE	DESCRIPTION	BY

NO.	DATE	DESCRIPTION	BY

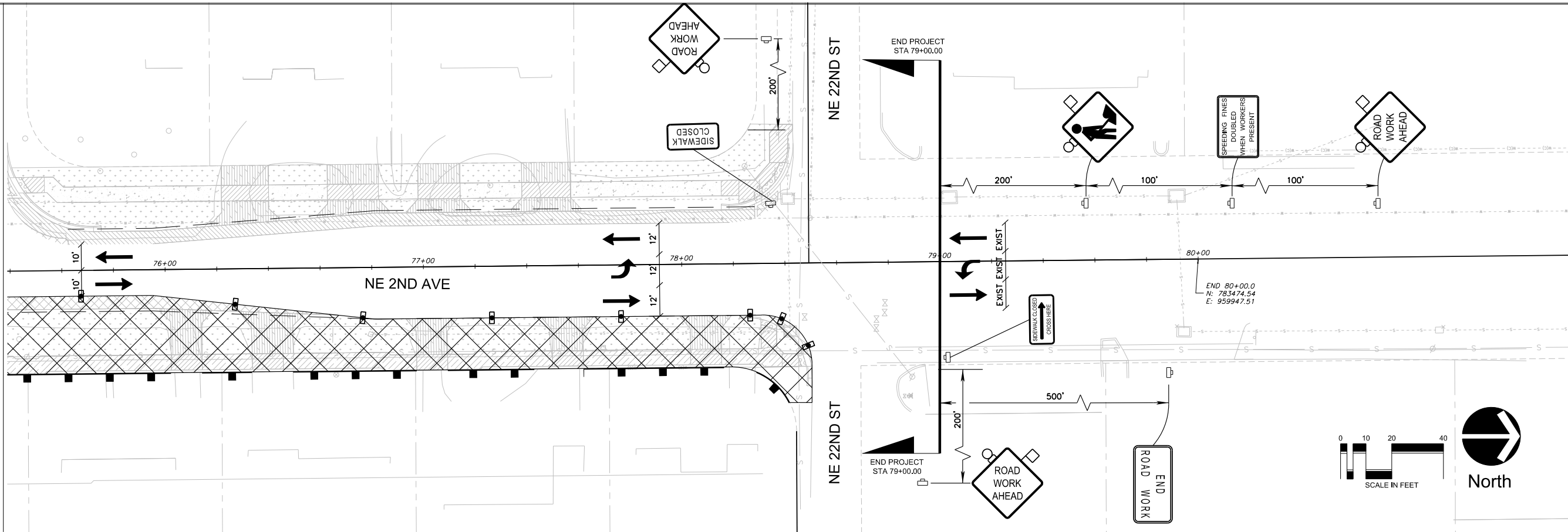
NO.	DATE	DESCRIPTION	BY

ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6001 - LB No. 7055

Brett Fuller C:\pwworking\wg\liveri\02501716-032_m2_R0_PLANS.dwg ----- Plotted: 6/21/2016 5:45:23 PM Spwse: 1/27/2017 1:08:26 PM

MATCHLINE STA 75+40 SEE C-24



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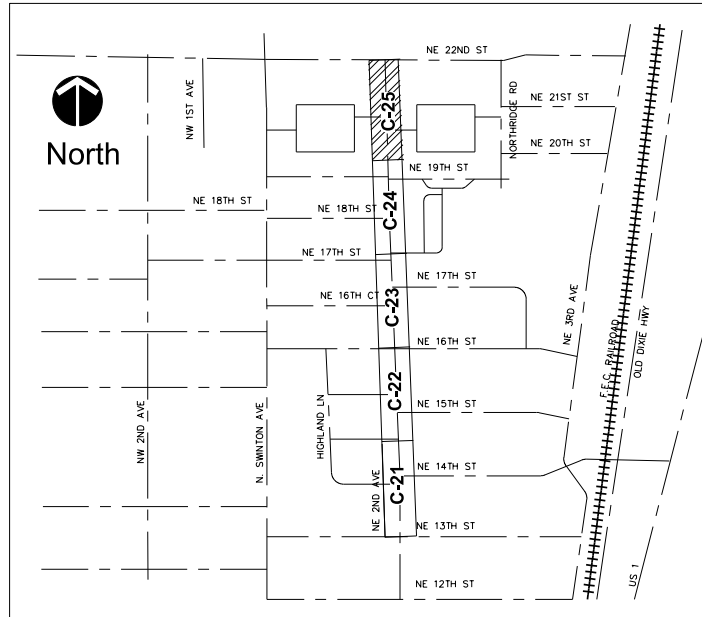
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- PHASE II (CURRENT PHASE SHOWN ON THIS PLAN SHEET):
- WORK ON THE EAST SIDE OF NE 2ND AVENUE WHILE PEDESTRIANS UTILIZE THE NEWLY CONSTRUCTED WEST SIDE.
1. MAINTAIN TRAFFIC IN EXISTING CONFIGURATION.
2. INSTALL TRAFFIC CONTROL SIGNS AND DEVICES PER STANDARD INDEX 600, 603 AND 660 AS APPLICABLE.
3. BEGIN CLEARING AND GRUBBING WITHIN THE LIMITS OF THE WORK ZONE.
4. CONSTRUCT ALL PROPOSED IMPROVEMENTS WITHIN THE WORK ZONE AS SHOWN IN THE PLANS.
- PHASE III:
- MILLING & RESURFACING AND INTERSECTION WORK UPON COMPLETION OF PERIPHERAL CONSTRUCTION.
1. INSTALL TRAFFIC CONTROL SIGNS AND DEVICES PER STANDARD INDEX 600, 603 AND 660 AS APPLICABLE.
2. UTILIZE CLOSURES/DETOURS TO MILL & RESURFACE, COMPLETE WORK WITHIN INTERSECTIONS, CONSTRUCT PAVER BRICK CROSSWALKS AND PLACE PERMANENT PAVEMENT MARKINGS AS SHOWN IN THE PLANS. REFER TO STANDARD INDEX 603 FOR MOT INVOLVING WORK WITHIN THE TRAVEL WAY.



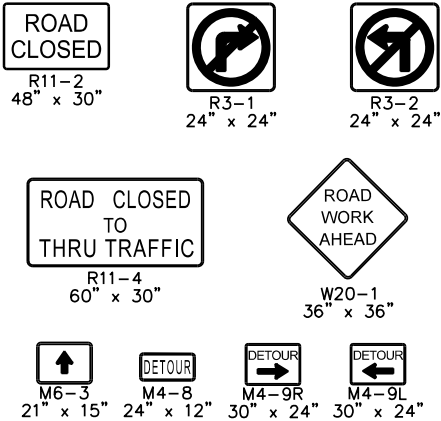
KEY MAP
SCALE : NONE



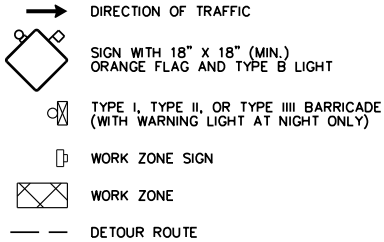
PROJECT: NE 2ND AVENUE / SEACREST PHASE 2		ENGINEER OF RECORD BRETT OLDENDORF, P.E. PE# 61795		CAD 16-032-NE2-RD PLANS.DWG		REVISIONS		2035 Vista Parkway West Palm Beach, FL 33411 Phone No. 561.687.2220 Fax No. 561.687.1110 Cert No. 60301 - LB No. 7055					
TASK: TRAFFIC CONTROL PLAN PHASE II				JOB NO. 1004.18		NO.		DATE		BY		ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING	
				TOTAL SHEETS		DRAWN		SCC					
				DATE 3/13/2017		DESIGNED		SCC					
				SCALE 1" = 20'		CHECKED		BNO					
						QC		JWR					

Brett Fuller C:\pwworking\wg\wgnet\002501716-032_m2_R0_PLANS.dwg ----- Plotted: 6/21/2016 5:45:27 PM Saved: 1/27/2017 1:06:26 PM

SIGN PANELS

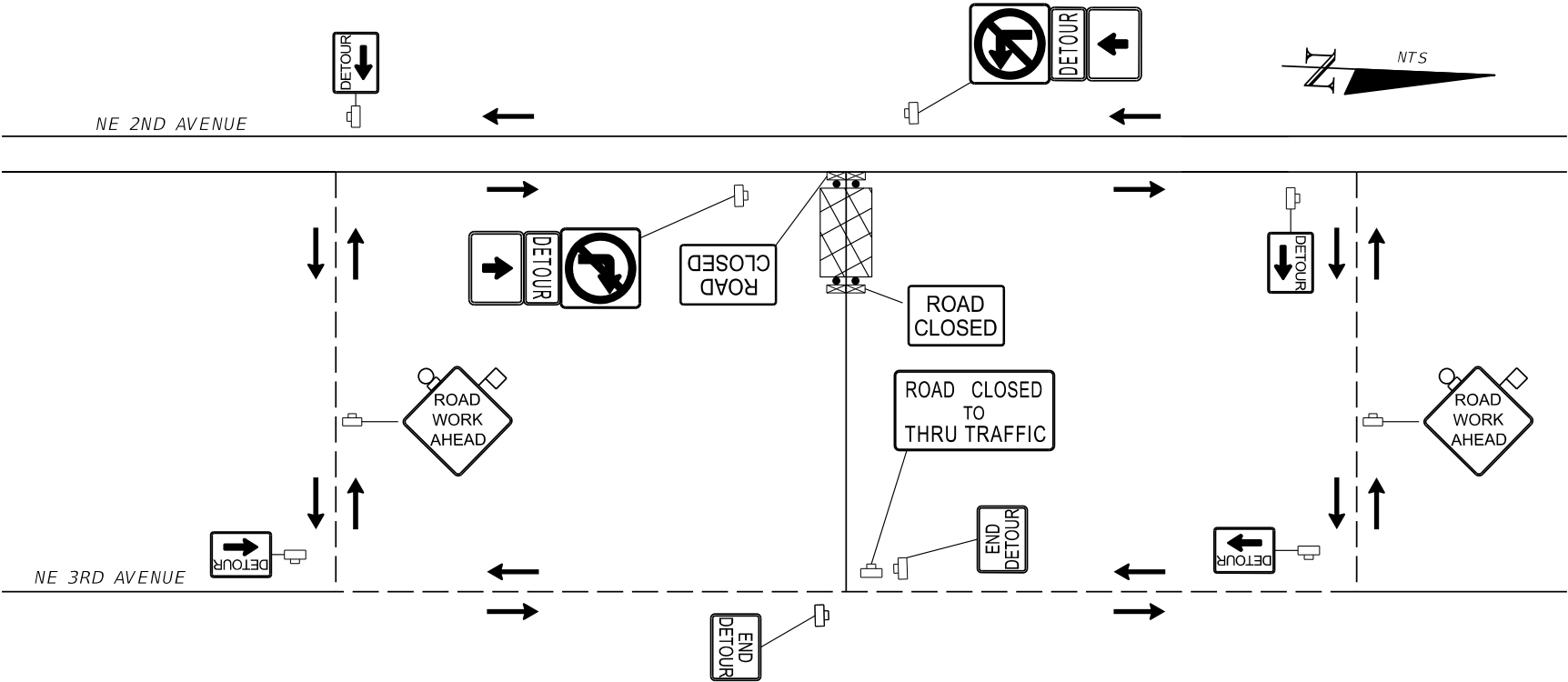


LEGEND



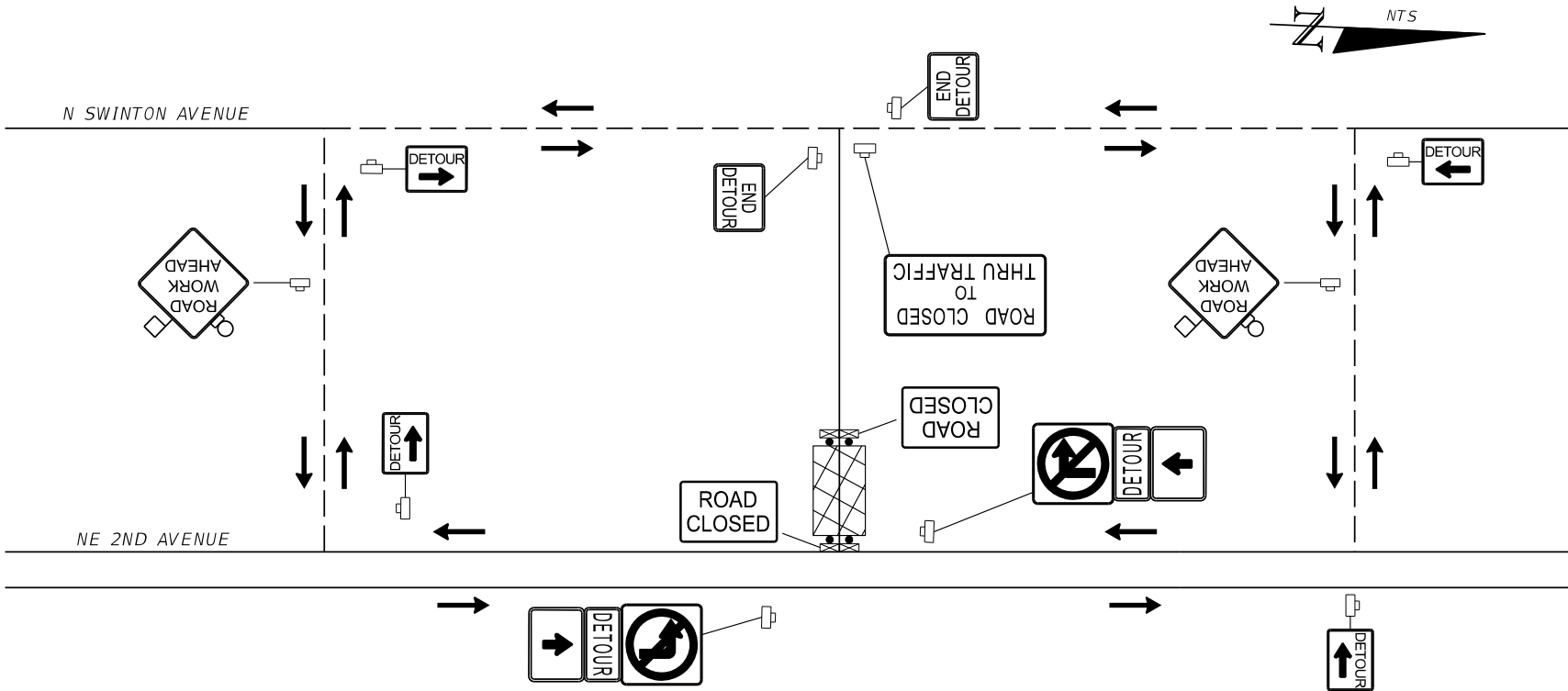
NOTES:

- 1.ALL STRIPING AND DELINEATION TO CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITION.
- 2.ALL CROSSWALK SIGNS AND ADVANCED PAVEMENT MESSAGES TO BE DESIGNED AND INSTALLED PER FDOT STANDARD (INDEX NO. 17346).
- 3.SEE LANDSCAPE PLANS FOR REMOVAL/RELOCATION OF TREES, SHRUBS, AND ALL OTHER LANDSCAPING CONFLICTS.
- 4.REFERENCE AND CONFORM TO THE 2016 FDOT 600 SERIES FOR ALL REQUIRED AND APPLICABLE MOT PLANS.
- 5.SPACING OF CHANNELIZING DEVICES SHOWN IN TRAFFIC CONTROL PLAN SHALL CONFORM TO STANDARD INDEX 600 UNLESS OTHERWISE NOTED.
- 6.ALL DETECTABLE BRICK PAVERS SHALL BE COLOR "BRICK RED".
- 7.CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST VALVE RINGS AND COVERS TO MATCH PROPOSED GRADE.
- 8.REFER TO "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" ALSO KNOWN AS THE "FLORIDA GREEN BOOK", FOR CLEAR ZONES, CHAPTER 3, TABLE 3-12
- 9.CONTRACTOR RESPONSIBLE TO REPLACE ALL ITS TRAFFIC LOOPS.
10. UTILIZE ROAD CLOSURES TO MINOR SIDESTREETS TO PROVIDE PROPER CONSTRUCTION OF PAVER BRICK CROSSWALKS INCLUDING CURE TIME.
11. MAINTAIN NW 17TH ST/PLUMOSA ELEMENTARY SCHOOL CROSSWALK DURING CONSTRUCTION ON SCHOOL DAYS. UTILIZE R9-9 SIGN AS NEEDED DURING CONSTRUCTION.
12. CONTRACTOR SHALL COORDINATE WITH THE PALM BEACH COUNTY SCHOOL BOARD FOR BUS ROUTE ACCESS AND LANE CLOSURES.



TYPICAL DETOUR FOR SIDESTREET CLOSURE ON THE EAST SIDE OF NE 2ND AVENUE

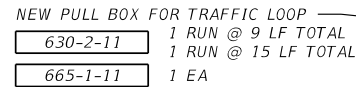
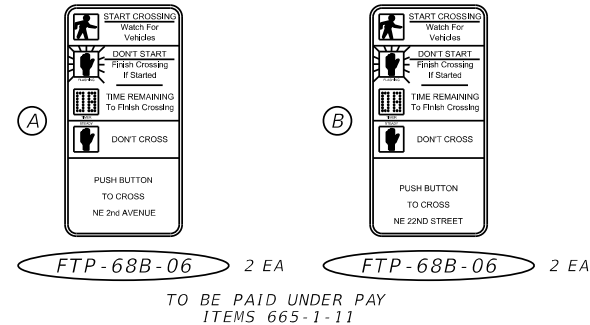
NOTE:
SIDESTREETS ADJACENT TO CLOSED
SIDESTREET TO REMAIN OPEN



TYPICAL DETOUR FOR SIDESTREET CLOSURE ON THE WEST SIDE OF NE 2ND AVENUE

NOTE:
SIDESTREETS ADJACENT TO CLOSED
SIDESTREET TO REMAIN OPEN

PROJECT: NE 2ND AVENUE / SEACREST PHASE 2		ENGINEER OF RECORD BRETT OLD-ORD, P.E. PE# 61795		CAD 16-032-NE2-RD-PLANS.DWG		REVISIONS		BY	
TASK: TRAFFIC CONTROL PLAN SIDESTREET DETOUR		JOB NO. 1004.18		DRAWN SCC		NO.		DATE	
		TOTAL SHEETS		DESIGNED SCC					
		DATE 3/13/2017		CHECKED BNO					
		SCALE NTS		QC JWR					



- PROPOSED PED. SIGNAL ON PEDESTAL
STA. 78+30.50 (36.00' LT)
- | | |
|----------|---------------------|
| 630-2-11 | 1 RUN @ 5 LF TOTAL |
| | 1 RUN @ 10 LF TOTAL |
| 635-2-11 | 1 EA |
| 646-1-11 | 1 EA |
| 665-1-11 | 1 EA |

SIGNALIZATION PROJECT NOTES:

1. GOVERNING STANDARD FOR SIGNALIZATION DESIGN ARE AS FOLLOWS: FLORIDA DEPARTMENT OF TRANSPORTATION, 2016 DESIGN STANDARDS, 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND PALM BEACH COUNTY TRAFFIC SIGNAL INSTALLATION STANDARDS AND DETAILS DATED 2015.
2. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED ITS COMMUNICATIONS EQUIPMENT IS PALM BEACH COUNTY TRAFFIC ENGINEERING DIVISION (PBCTED). ALL TRAFFIC SIGNAL AND RELATED ITS COMMUNICATION EQUIPMENT WHEN USING PAY ITEM SERIES: 632, 633, 635, 650, 660, 670, 683, 684, 685 AND 686 FOR THIS CONTRACT SHALL BE COMPATIBLE WITH PBCTED'S CENTRAL COMPUTER NETWORK SYSTEM. PRIOR TO ANY PURCHASING OF THE ABOVE PRODUCTS, ENSURE THEY HAVE BEEN APPROVED FOR SYSTEM COMPATIBILITY BY THE MAINTAINING AGENCY.
3. THE CONTRACTOR SHALL MAKE ALL LOOP DETECTORS INSTALLED AS PART OF THE PROJECT FULLY OPERATIONAL IN ACCORDANCE WITH THEIR ASSOCIATED ISOLATED INTERSECTION SIGNAL TIMING CHART WITHIN 24 HOURS OF THEIR INSTALLATION.
4. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) FULL WORKING DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. SEE UTILITY OWNERS ON ROADWAY GENERAL NOTES.
5. THE CONTRACTOR SHALL PROVIDE FOUR COPIES OF MARKED-UP (AS-BUILT) CONSTRUCTION PLANS, AND ONE CAD FILE OF SUCH, AT THE TIME OF SIGNAL CONDITIONAL ACCEPTANCE INSPECTION BY THE MAINTAINING AGENCY.
6. ALL STANDARD SIGNAL PULL BOXES SHALL BE STAMPED "TRAFFIC SIGNAL". STANDARD SIGNAL PULL BOXES SHALL BE 17"x 30"x 12".
7. THE CONTRACTOR SHALL CONTACT THE PALM BEACH OPERATIONS SIGNALIZATION COORDINATOR FOR ALL SIGNALIZATION INSPECTIONS AT THE PALM BEACH OPERATIONS CENTER - (561) 432-4996.
8. ALL SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE LOCATED IN PULL BOXES AND SOLDERED AND TAPED WITH A WATERPROOF COATING APPLIED IN A MANNER APPROVED BY THE ENGINEER.
9. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL CONTACT THE PBC TRAFFIC OPERATIONS SUPERINTENDENT, (561) 233-3900, TO INFORM THEM OF CONSTRUCTION OPERATIONS.


SIGNALIZATION PAY ITEM NOTES:

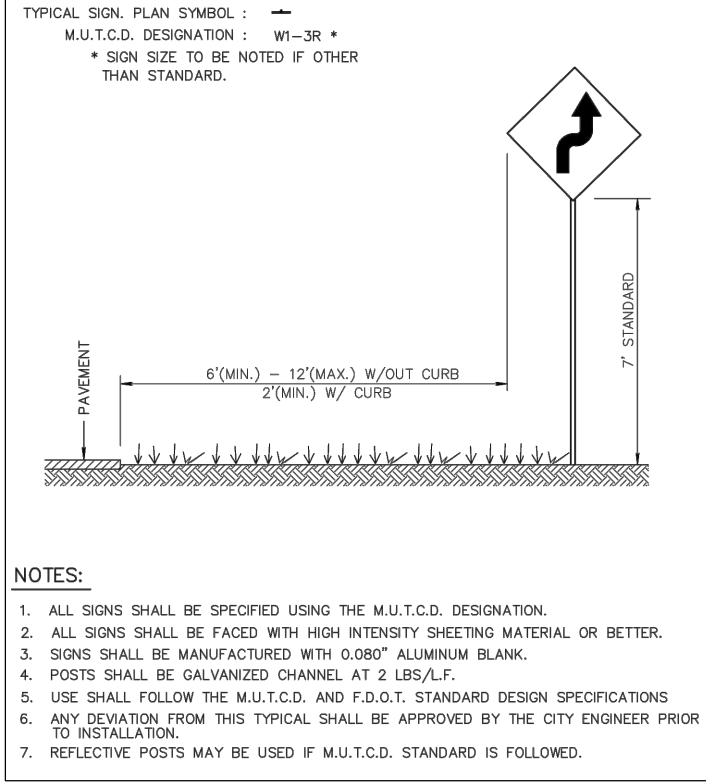
646-1-11: ALL PEDESTALS SHALL BE PROVIDED WITH TRANSFORMER BASES.

670-5-400: INCLUDES COST FOR MINOR CONNECTIONS OF LOOPS AND PEDESTRIAN SIGNALS.

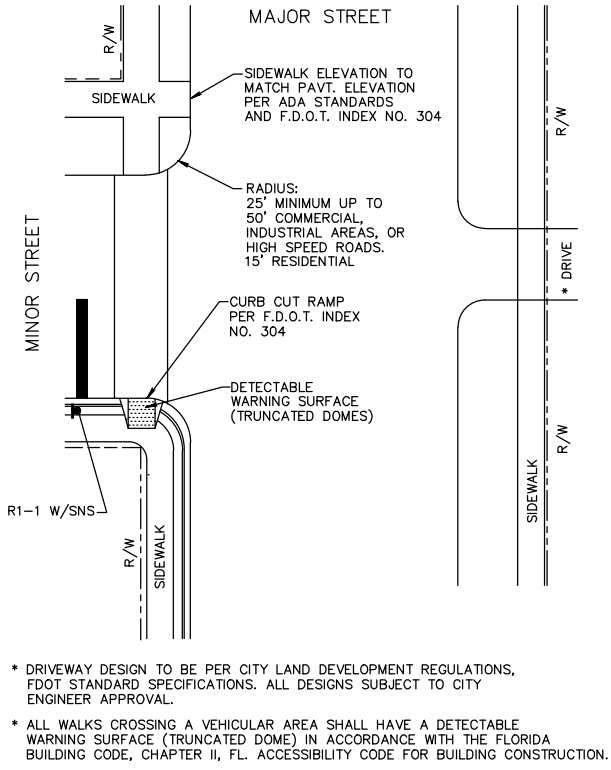
GENERAL NOTES:

1. MAJOR STREET IS NE 2ND AVE
MINOR STREET IS NE 22ND ST
2. MOVEMENT 2 AND 6 TO FLASH YELLOW AND ALL OTHERS
TO FLASH RED DURING FLASHING OPERATION. PEDESTRIAN
SIGNALS SHALL BE DARK.
3. FLORIDA DEPARTMENT OF TRANSPORTATION SIGNAL
OPERATING PLAN (S.O.P.) 1 TO REMAIN.
4. FINAL SIGNAL TIMINGS TO BE PROVIDED BY PALM BEACH COUNTY
TRAFFIC ENGINEERING DIVISION.
5. THE EXISTING POWER SERVICE POINT LOCATION IS TO REMAIN.
6. SPEED LIMITS:
25 MPH - NE 2ND AVE
25 MPH - NE 22ND ST
7. MAINTAIN EXISTING L.P.C.

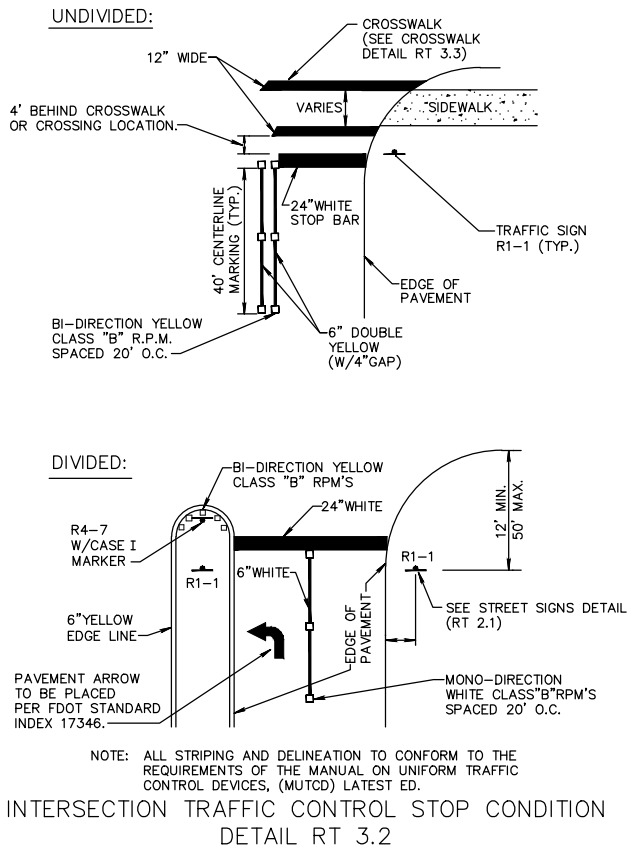
SHEET: C-27	PROJECT: NE 2ND AVENUE / SEACREST PHASE 2 TASK: SIGNALIZATION PLANS	ENGINEER OF RECORD BRETT FULLERTON, PE PE# 784986	CAD PLANS:G01.DGN	REVISIONS			
				NO.	DATE	BY	
			DRAWN	BAF			
			TOTAL SHEETS	23	DESIGNED	KAL	
			DATE	1/31/2017	CHECKED	KAL	
			SCALE	1" = 20'	QC	CMJ	
<div><div></div><div><div>2025 Vista Parkway West Palm Beach, FL 33411 Phone No. 561.687.2220 Fax No. 561.687.1110 Cert No. 6091 - LB No. 7055</div><div>ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING</div></div></div>							



STREET SIGN DETAIL
DETAIL RT 2.1b



FLORIDA INTERSECTION DETAIL RT 3.1



INTERSECTION TRAFFIC CONTROL STOP CONDITION
DETAIL RT 3.2

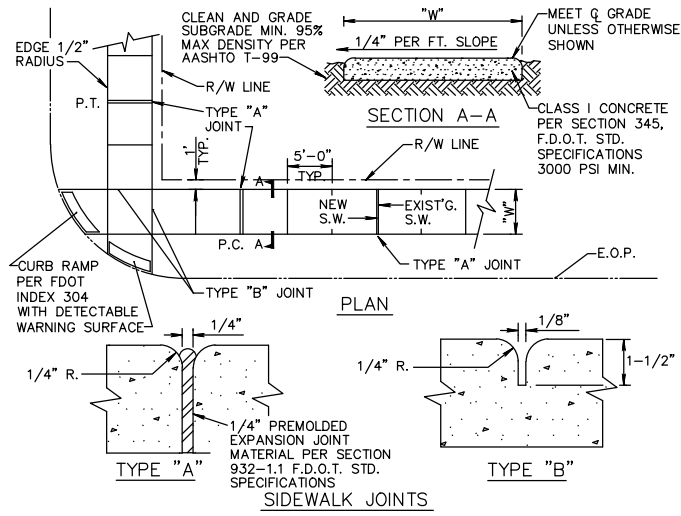
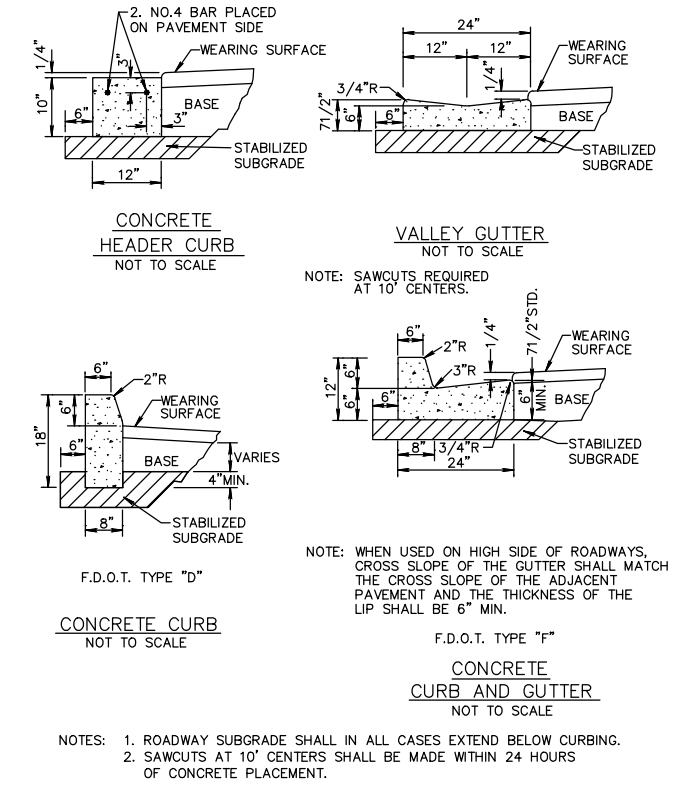
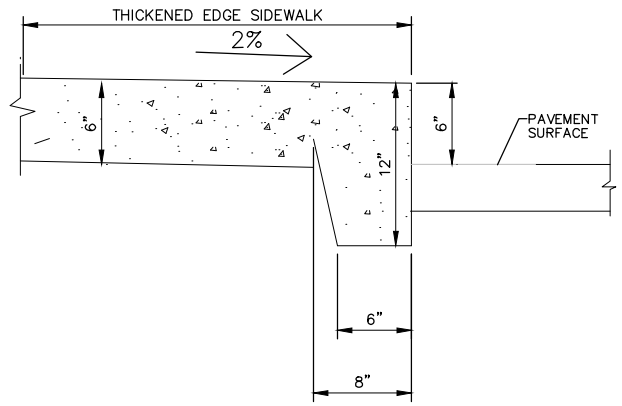


TABLE OF SIDEWALK THICKNESS - "T"		TABLE OF SIDEWALK JOINTS	
RESIDENTIAL AREAS	4"	TYPE	LOCATION
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	6" @ E.O.P.	"A"	P.C. AND P.T. OF CURVES JUNCTION OF EXISTING & NEW SIDEWALKS & EVERY 30'
TABLE OF SIDEWALK WIDTHS - "W"		"B"	5'-0" CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT.
SINGLE-FAMILY AREAS	5'	"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.
MULTI-FAMILY AREAS	5'		
OTHER AREAS AS SPECIFIED BY THE CITY ENGINEER.			

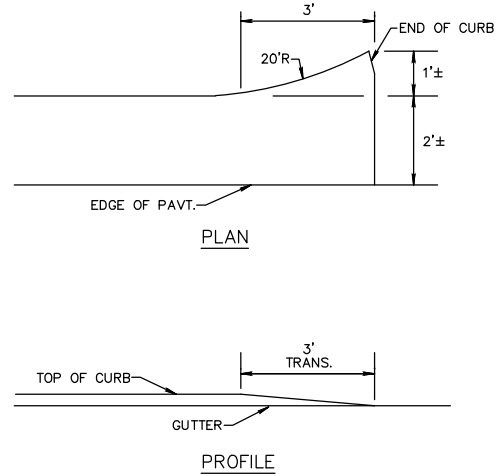
SIDEWALK CONSTRUCTION RT 5.1



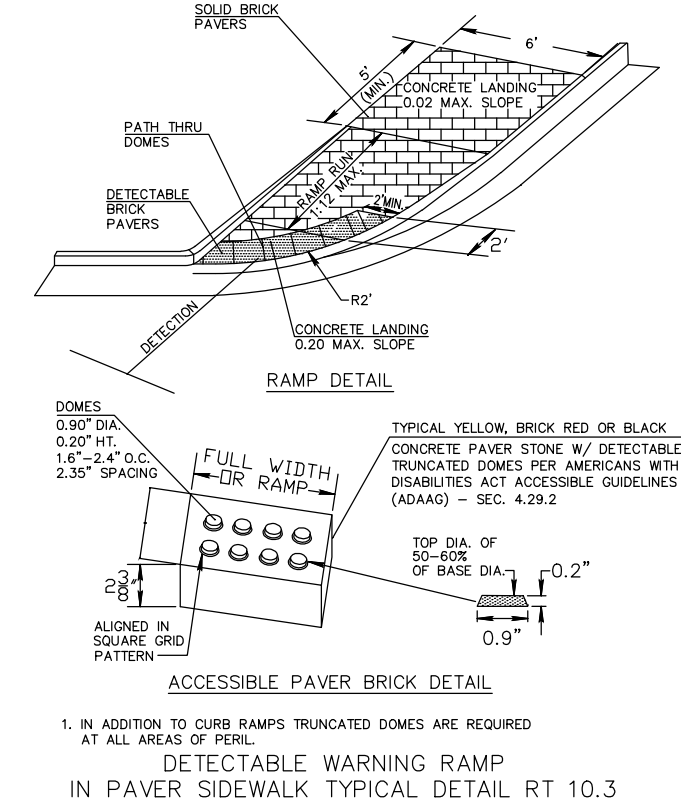
CURB AND GUTTER SECTIONS RT 6.1



MONOLITHIC SIDEWALK DETAIL

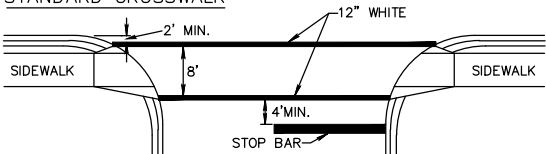


FLARED END FOR CURB AND GUTTER DETAIL RT 6.2



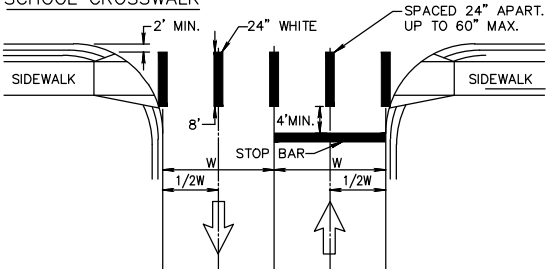
DETECTABLE WARNING RAMP
IN PAVER SIDEWALK TYPICAL DETAIL RT 10.3

STANDARD CROSSWALK



- STANDARD CROSSWALK STRIPING TO BE INSTALLED IN THE FOLLOWING LOCATIONS:
 - ALONG COLLECTORS OR ARTERIALS
 - BIKE PATH CROSSINGS
 - CROSS WALKS WITH HIGH EXPECTED PEDESTRIAN VOLUME
 - SCHOOL ACCESS ROUTES
- SIGNING REQUIRED AS PER FDOT STANDARD INDEX NO. 17346

SCHOOL CROSSWALK



- SCHOOL CROSSWALK STRIPING TO BE USED ONLY AT DESIGNATED SUPERVISED SCHOOL CROSSING
- SIGNS AND ADVANCED PAVEMENT MESSAGES TO BE DESIGNED AND INSTALLED PER FDOT STANDARD (INDEX NO. 17346)
- CROSSWALKS LOCATED MIDBLOCK MIN. WIDTH 10' ALL CROSSWALK MARKINGS SHALL BE WHITE.
- LONGITUDINAL LINES IN SPECIAL EMPHASIS CROSSWALK SHALL BE 24" WIDE AND SPACED TO AVOID THE WHEEL PATH OF VEHICLES AS SHOWN IN DETAIL. THE SPACE BETWEEN MARKINGS SHALL NOT EXCEED 60". A LONGITUDINAL MARKING SHALL BE CENTERED AT EACH LANE LINE. ADDITIONAL LONGITUDINAL MARKINGS SHALL BE PLACED AT THE CENTER OF EACH LINE.
- WHERE THE CROSSWALK IS SKEWED TO THE LANE LANE LINES, THE SPECIAL EMPHASIS LONGITUDINAL LINES SHOULD BE PARALLEL TO THE LANE LINE.

CROSSWALK DETAILS RT 3.3

PAVEMENT MARKING SPECIFICATIONS

All Pavement markings to be installed per these typicals, plans and specifications, and as directed by the City Engineer and shall conform to the requirements of F.D.O.T. and the manual on uniform traffic control devices, (MUTCD).

PERMANENT MARKINGS

- Installation:
- All markings shall be installed by the extruded method.
 - Markings shall be free of weaves, bows, drips, drags, and other degrading items.
 - Chalk shall be used for all layout markings
- Materials:
- All materials shall be alkyd or hydrocarbon thermoplastic meeting all FDOT specifications.
- Thickness:
- All markings shall be installed to yield 90 mils of material measured above the pavement surface.
- Spheres:
- Reflective glass spheres are to be applied to all stripes and markings per FDOT specifications.
- Layout:
- Layout shall be made using marking chalk.
 - It is recommended that marking layout be inspected by the City Engineer prior to the placement of final markings.

TEMPORARY MARKINGS

- Temporary markings may be used only as specified in this section, or as approved or directed by the City Engineer.
- Final Pavement Surface:
- Only foil backed marking tape is allowed.
 - All tape shall be totally removed concurrent with permanent marking placement.
- Other Pavement Surfaces:
- Intermediate pavement surfaces may be marked with FDOT approved materials, designs, and specifications.

PAVEMENT MARKING SPECIFICATIONS RT 8.1a
(Sheet 1 of 2)

ALL PAVEMENT MARKINGS

All paved surfaces shall be properly marked prior to the hours of darkness.

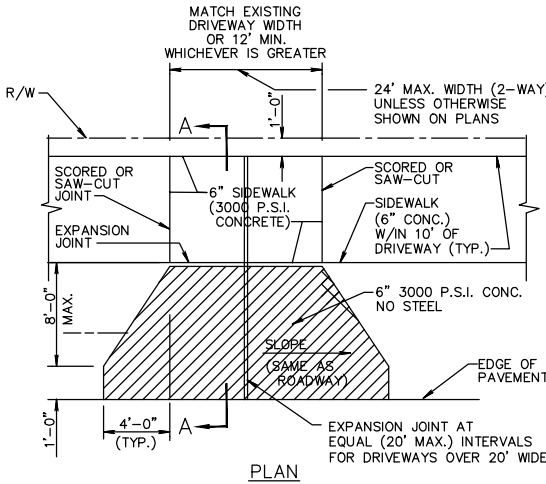
RAISED PAVEMENT MARKERS

- R.P.M.s shall be installed on all lane lines and centerlines, spaced at 20' or 40'.
- R.P.M.s shall be a 4 x 4 type class "B" marker meeting F.D.O.T. specifications and shall be approved by the City Engineer prior to use.
- R.P.M.'s shall be installed using alkyd thermoplastic on asphalt and epoxy on concrete.

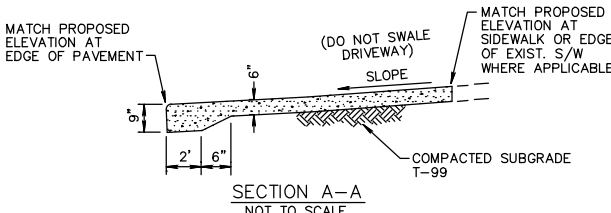
OTHER NOTES

- All Materials within right-of-way shall be thermoplastic and per F.D.O.T. specifications.
- Pavement marking within private parking lots may be painted according to F.D.O.T. specifications, except for all stop bars adjacent to public right-of-way.

PAVEMENT MARKING SPECIFICATIONS RT 8.1b
(Sheet 2 of 2)

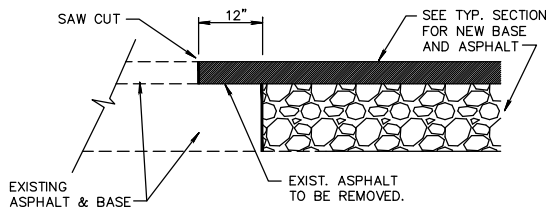


NOTE: SIDEWALK SHALL BE CONSTRUCTED THROUGH DRIVEWAY.



NOTE: ALL SIDEWALKS WITH CENTRAL BUSINESS DISTRICT SHALL BE A MINIMUM WIDTH OF 8'

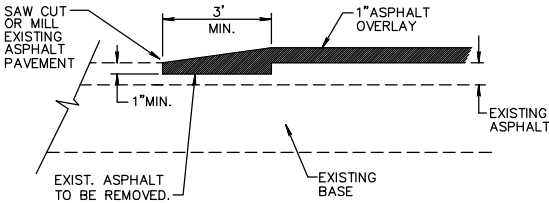
CONCRETE DRIVEWAY APRON RT 9.1



NEW CONSTRUCTION PAVEMENT JOINT

NOTE:

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.

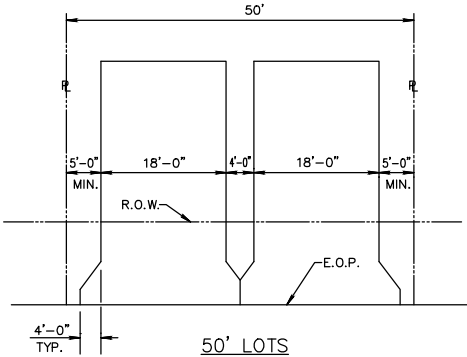


NEW OVERLAY PAVEMENT JOINT

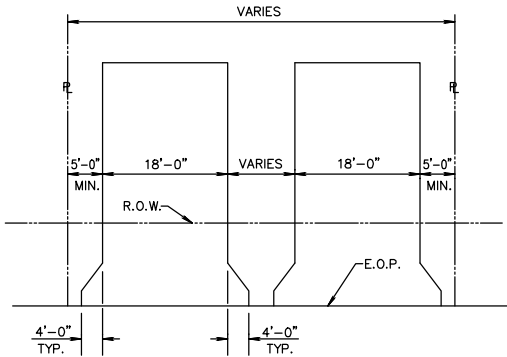
NOTE:

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT WILL BE CONNECTED TO EXISTING PAVEMENT.

PAVEMENT JOINT DETAIL RT 7.1

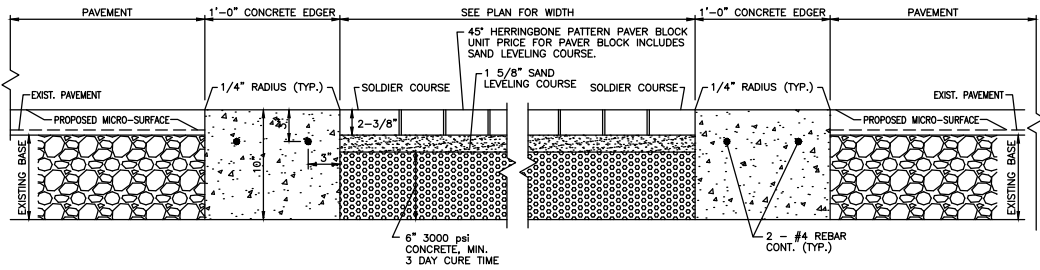


50' LOTS



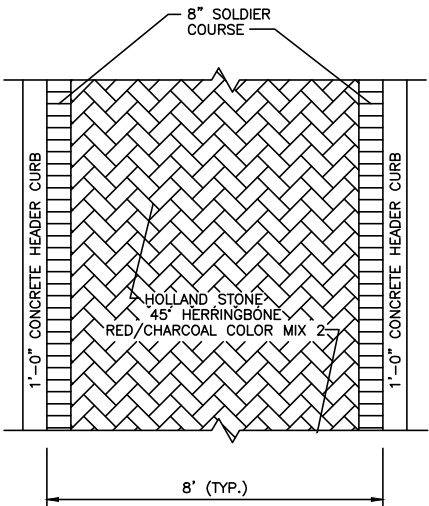
MORE THAN 50' LOTS

MINIMUM LAYOUT STANDARD FOR DUPLEX PARKING
DETAIL RT 9.3



PAVER CROSSWALK SECTION L:L

NOTE:
CONTRACTOR SHALL INCLUDE IN THE MOT PLAN, ROAD CLOSURE OF A MINIMUM OF 3 DAYS TO ALLOW FOR CURING OF THE 3000 PSI CONCRETE AT PAVER CROSSWALKS.



PAVERBRICK CROSSWALK DETAIL
NOT TO SCALE

NO.	DATE	DESCRIPTION	BY

CAD	NO.	DATE	DESCRIPTION	BY

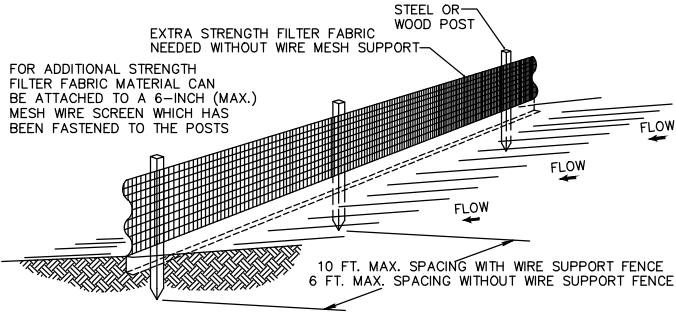
ENGINEER OF RECORD	PROJECT	PHASE	DATE	SCALE	QC	JWR

PROJECT	PHASE	DATE	SCALE	QC	JWR

SHEET:	DETAILS AND SPECIFICATIONS

1. THE INTENT OF EROSION CONTROL MEASURES INDICATED GRAPHICALLY ON PLANS IS TO PROVIDE A BARRIER TO CONTAIN SILT AND SEDIMENT ON THE PROJECT SITE. THIS REPRESENTATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE TEST OF EROSION CONTROL EFFECTIVENESS IS NOT TO BE DETERMINED BY ADHERENCE TO THE REPRESENT SET FORTH ON THE DRAWINGS AND SPECIFICATIONS, BUT BY MEETING THE REGULATIONS SET FORTH BY THE AUTHORITY HAVING JURSDICTION OVER WATER QUALITY CONTROL AND OTHER SEDIMENTATION RESTRICTION REQUIREMENTS IN THE REGION.
2. APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING GRADING, EXCAVATION, FILLING, OR OTHER LAND DISTURBANCE ACTIVITIES, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES.
3. INSPECTION OF ALL EROSION CONTROL MEASURES SHALL BE CONDUCTED WEEKLY, OR AFTER EACH RAINFALL EVENT. REPAIR, AND/OR REPLACEMENT OF SUCH MEASURES SHALL BE MADE PROMPTLY, AS NEEDED.
4. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
5. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED IF DEEMED NECESSARY BY ONSITE INSPECTION.
6. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES SHALL RESULT IN CONSTRUCTION BEING HALTED.
7. DRAINAGE INLETS SHALL BE PROTECTED BY FILTER AND GRADED ROCK AS PER INLET PROTECTION DETAIL.
8. ANY ACCESS ROUTES TO SITE SHALL BE BASED WITH CRUSHED STONE, WHERE PRACTICAL.
9. EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
10. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
11. ALL WORK IS TO BE IN COMPLIANCE WITH THE RULES AND REGULATIONS SET FORTH BY THE STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE CITY OF DELRAY BEACH.
12. DISCHARGE FROM DEWATERING OPERATIONS SHALL BE RETAINED ONSITE IN A CONTAINMENT AREA.

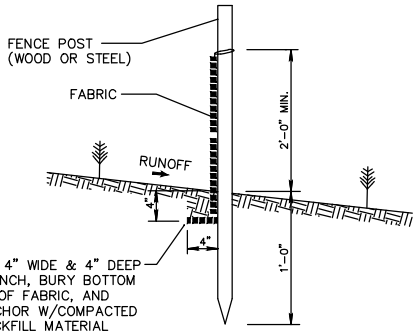
EROSION CONTROL NOTES DETAIL D9.1



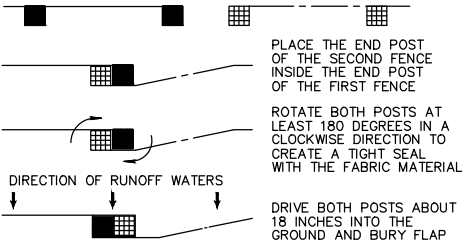
NOTES:

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
8. ALL PROJECTS REQUIRE SUBMITTAL OF POLLUTION PREVENTION PLAN (PPP).
9. ALL PROJECTS 1 AC. OR MORE MUST SUBMIT NOTICE OF INTENT (NOI) TO FDEP.

SILT FENCE INSTALLATION DETAIL D 9.1a
Sheet 1 of 2

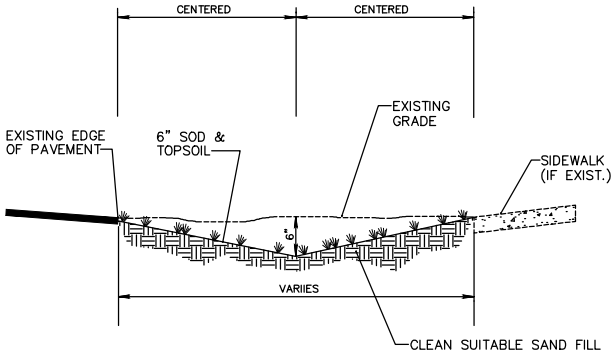


SILT FENCE SECTION
NOT TO SCALE



ATTACHING TWO SILT FENCES
NOT TO SCALE

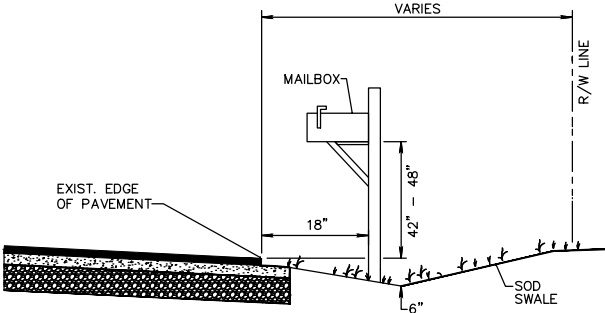
SILT FENCE INSTALLATION DETAIL D 9.1b
Sheet 2 of 2



NOTE:

1. CONTRACTOR TO REPLACE ALL IRRIGATION, TREES & SHRUBBERY IN SWALES DAMAGED DURING CONSTRUCTION.

SWALE REPLACEMENT DETAIL D10.1



NOT TO SCALE

TYPICAL MAIL BOX RELOCATION
AND 6" SODDED SWALE DETAIL
DETAIL D 10.2

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West Palm Beach, FL 33411
Phone No. 561.687.1220
Fax No. 561.687.1110
Certi. No. 6091 - LB No. 7055

WGI

ENGINEERING // SURVEYING // ENVIRONMENTAL // PLANNING

REVISIONS		BY	
NO.	DATE	DESCRIPTION	

CAD 16-032.DET.DWG	DRAWN	SCC
JOB NO. 1004.18	DESIGNED	SCC
TOTAL SHEETS 23	CHECKED	BNO
DATE 7/27/15	QC	JWR
SCALE N/A		

ENGINEER OF RECORD
BRETT OLDFORD, P.E.
PE# 61795

PROJECT:
NE 2ND AVENUE / SEACREST
PHASE 2

TASK:
DETAILS AND SPECIFICATIONS

SHEET:

C-30