

CITY OF POMPANO BEACH

BROWARD COUNTY, FL

SW 36TH AVE - PEDESTRIAN PATH

FROM 640 FT NORTH OF MCNAB ROAD TO PALM AIRE DRIVE

(LAP PROJECT)

FINANCIAL PROJECT ID 431715-1-58-01

CIP#: 14-225

CITY OFFICIALS

MAYOR
LAMAR FISHER

VICE MAYOR
COMMISSIONER DISTRICT 2
CHARLOTTE BURRIE

COMMISSIONER DISTRICT 1
BARRY DOCKSWELL

COMMISSIONER DISTRICT 3
REX HARDIN

COMMISSIONER DISTRICT 4
ED PHILLIPS

COMMISSIONER DISTRICT 5
BARRY MOSS

CITY MANAGER
DENNIS W. BEACH

CITY ENGINEER
JOHN SFIROPOULOS, P.E.

INDEX OF ROADWAY PLANS

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GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2015 Design Standards and revised Index Drawings as appended herein, and 2015 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

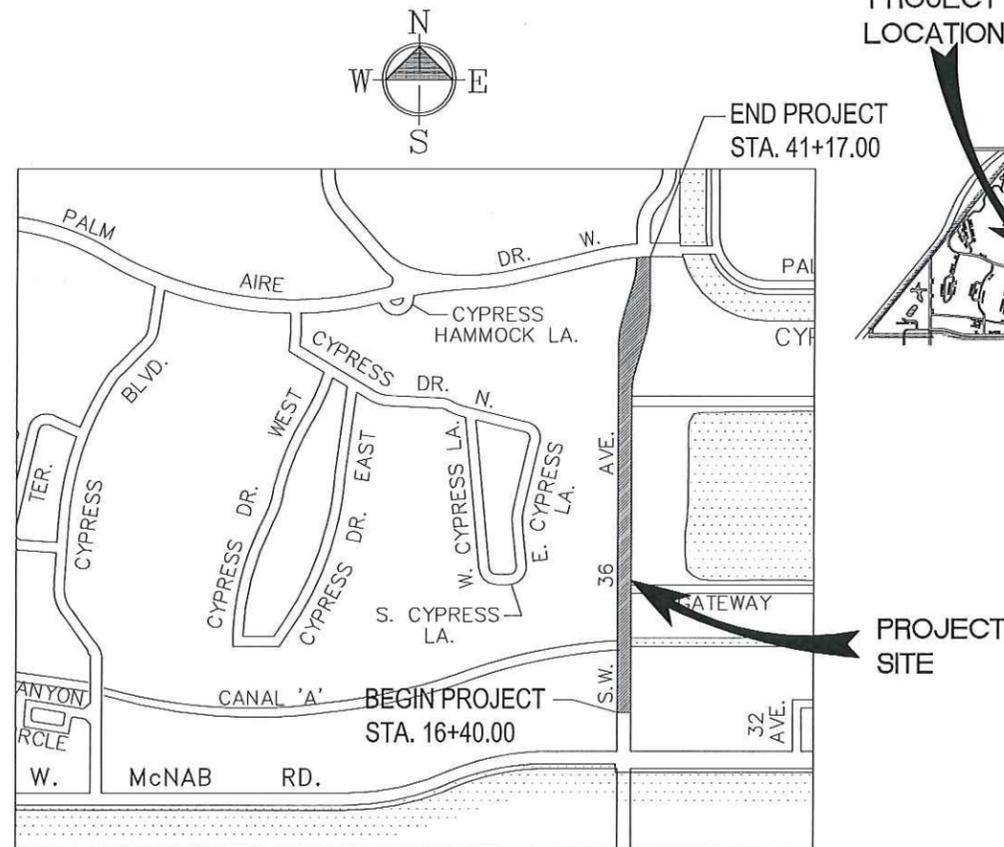
For Design Standards click on the "Design Standards" link at the following web site:

<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:

<http://www.dot.state.fl.us/specificationsoffice/>

Standard Specifications



PROJECT LOCATION MAP

NOT TO SCALE

PREPARED BY:

R.J. Behar & Company, Inc.

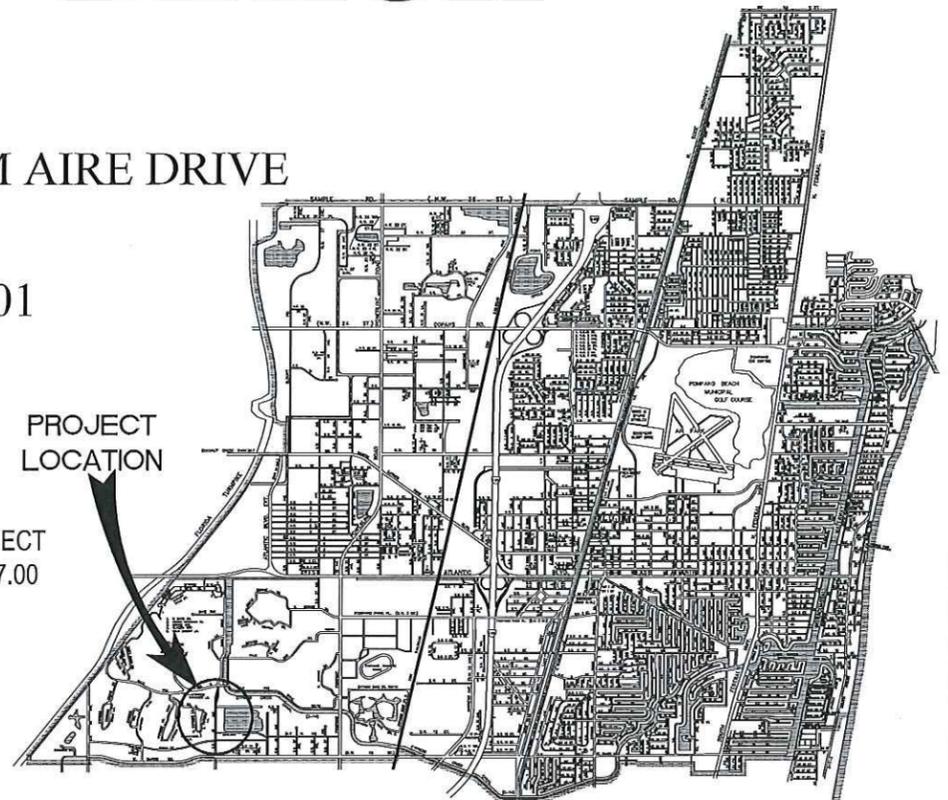
Engineers • Planners

6861 S.W. 196 Avenue, Suite 302

Pembroke Pines, Florida 33332

JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264

CERTIFICATE OF AUTHORIZATION NO. 00008365



CITY OF POMPANO BEACH

LOCATION MAP

NOT TO SCALE



R.J. BEHAR PROJ. NO.: 13071
CONSTRUCTION SET

SEAL

JAVIER RODRIGUEZ
P.E. LICENSE NO.: 48264

DATE

12/4/16

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SUMMARY OF PAY ITEMS
LAP Project FM Number: 431715-1-58-01
Project Description: Proposed Pedestrian Path on SW 36th Ave
from 640-FT N of McNab Rd TO W Palm Aire Drive

Alt	Pay Item Number	Pay Item Description	Unit	43171515801	Quantity Total
	101-1	MOBILIZATION	LS	1	1
	102-1	MAINTENANCE OF TRAFFIC	LS	1	1
	102-60	WORK ZONE SIGN	ED	96	96
	104-10-3	SEDIMENT BARRIER, SILT FENCE	LF	2477	2477
	104-11	FLOATING TURBIDITY BARRIER	LF	80	80
	104-18	INLET PROTECTION SYSTEM	EA	4	4
	110-1-	CLEARING AND GRUBBING	AC	0.48	0.48
	110-3	REMOVAL OF EXISTING STRUCTURE	LS	1	1
	110-4	REMOVAL OF CONCRETE	SY	30	30
	120-1	REGULAR EXCAVATION	CY	1200	1200
	120-5	CHANNEL EXCAVATION	CY	7.4	7.4
	350-4-1	REINFORCED CEMENT CONCRETE PAVEMENT, 6"	SY	125	125
	400-2-2	CONCRETE TYPE II, ENDWALL	CY	48	48
	400-2-4	CONCRETE TYPE II, FOUNDATION	CY	20	20
	415-1-1	REINFORCING STEEL - ROADWAY	LS	1	1
	415-1-5	REINFORCING STEEL - SUBSTRUCTURES	LB	4000	4000
	425-1555	INLET, DITCH BOTTOM, TYPE E, PARTIAL	EA	2	2
	425-5-1	MANHOLE, ADJUST, UTILITIES	EA	3	3
	425-6	VALVE BOXES, ADJUST	EA	5	5
	430-94-4	DESILTING PIPE, 49-60"	LF	25	25
	460-70-2	ALUMINUM BULLET RAILINGS, DOUBLE RAIL	LF	100	100
	520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	482	482
	520-2-4	CONCRETE CURB, TYPE D	LF	22	22
	521-8-1	CONCRETE BARRIER, TYPE F, 32"	LF	100	100
	522-1	CONCRETE SIDEWALK (4" THICK)	SY	2121	2121
	522-2	CONCRETE SIDEWALK (6" THICK)	SY	86	86
	527-2	DETECTABLE WARNINGS	SF	200	200
	536-1-2	GUARDRAIL (PANEL & HINGE CONNECTION)	LF	8	8
	536-73	GUARDRAIL REMOVAL	LF	172	172
	570-1-2	PERFORMANCE TURF, SOD	SY	225	225
	624-2-21	RECTANGULAR RAPID FLASHING BEACONS	EA	2	2
	700-1-11	SINGLE POST SIGN, F&I, UPTO 12 SF	AS	4	4
	700-1-50	SINGLE POST SIGN, RELOCATE	AS	2	2
	710-11-123	PAINT, STANDARD, WHITE, SOLID, 12"	LF	660	660
	710-11-125	PAINT, STANDARD, WHITE, SOLID, 24"	LF	205	205
	711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	660	660
	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	205	205
	1	RELOCATE EXISTING GATE	EA	1	1
	2	GRATING, ALUMINUM	LS	1	1
	3	RCP CULVERT, CONCRETE, 60", MATERIAL & INSTALL	LS	1	1
	4	CONNECTIONS	LS	1	1
	5	CHANNEL FILL	CY	8	8
	6	BEDDING	LS	1	1
	7	BOAT RAMP REMOVAL - INCLUDES BOLLARDS	LS	1	1

I. APPLICABLE CODES

- A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FDOT AND CITY OF POMPANO BEACH STANDARDS AND REGULATIONS. THE AGENCIES WHICH MAINTAIN JURISDICTION OVER CIVIL CONSTRUCTION AND SITE WORK ARE AND TO BE USED IN THIS ORDER:
1. FDOT DESIGN STANDARDS AND SPECIFICATIONS
 2. CITY OF POMPANO BEACH PUBLIC WORKS DEPARTMENT
 3. CITY OF POMPANO BEACH ENGINEERING DEPARTMENT
 4. CITY OF POMPANO BEACH BUILDING DEPARTMENT
 5. BROWARD COUNTY DEVELOPMENT AND ENVIRONMENTAL REGULATION DIVISION (DERD)
 6. BROWARD COUNTY PLAN REVIEW DEPARTMENT
 7. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- B. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND A/E.
- C. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
- D. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NORTH AMERICA VERTICAL DATUM OF 1988 (N.A.V.D. 1988), UNLESS OTHERWISE NOTED.
- E. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE MINIMUM STANDARDS OF THE CITY OF POMPANO BEACH.
- F. CITY OF POMPANO BEACH SPECIFICATIONS SHALL GOVERN WHEN IN CONFLICT WITH ANY NOTES WITHIN PLAN SET. CONTRACTOR SHALL CONTACT EOR WITH ANY DISCREPANCIES.
- G. ANY DEWATERING OPERATIONS REQUIRED FOR CONSTRUCTION MUST BE APPROVED BY BROWARD COUNTY DEVELOPMENT AND ENVIRONMENTAL REGULATION DIVISION (DERD).
- H. ANY SURVEY MONUMENTS WITHIN THE LIMITS OF THE PROJECT ARE TO BE PROTECTED.
- I. ALL CLEARING AND GRUBBING OPERATIONS INCLUDING DISPOSAL, SHALL BE IN FULL COMPLIANCE WITH THE REQUIREMENTS OF THE CITY OF POMPANO BEACH AND BROWARD COUNTY.
- J. ALL DISPOSAL OF MATERIALS, RUBBISH AND DEBRIS MUST BE MADE AT A LEGAL AND AUTHORIZED DISPOSAL SITE OR BY THE OWNER'S PRIOR APPROVED MANNER. ILLEGAL DUMPING IS PROHIBITED.
- K. CONTRACTOR MUST PROVIDE MEANS OF ENSURING ADEQUATE TRENCH STABILIZATION/PROTECTION DURING EXCAVATION PROCEDURES.
- L. ALL WORK SHALL BE DONE IN AND WITHIN THE RIGHT-OF-WAY.

II. PRE-CONSTRUCTION RESPONSIBILITIES

- A. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.
- B. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION, CALL 1-800-432-4770.
- C. THE CONTRACTOR SHALL CONTACT THE FOLLOWING UTILITY AGENCIES PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY TO VERIFY LOCATIONS OF EXISTING FACILITIES:
- | | |
|---------------------------------------|----------------|
| 1. COMCAST CABLE | 954-447-8405 |
| 2. BROWARD COUNTY - OES (WATER/SEWER) | 954-831-0918 |
| 3. CITY OF FT LAUDERDALE | 954-828-7830 |
| 4. CITY OF POMPANO BEACH | 954-786-4144 |
| 5. FPL FIBERNET LLC | 305-552-2931 |
| 6. FPL | 1-800-868-9554 |
| 7. VERIZON FLORIDA (NO) | 813-740-1231 |
| 8. TECO PEOPLES GAS | 954-453-0834 |
| 9. ATT - DISTRIBUTION | 954-723-2540 |
- D. CONTRACTOR IS REQUIRED TO OBTAIN A CONSTRUCTION PERMIT FROM THE CITY OF POMPANO BEACH PRIOR TO START OF CONSTRUCTION. ALL APPLICABLE PERMITS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- E. LOCATION OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY NOT SHOWN. THE CONTRACTOR SHALL VERIFY, IF POSSIBLE, THE ELEVATIONS AND LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION. IF AN EXISTING FACILITY IS FOUND TO CONFLICT WITH THE PROPOSED CONSTRUCTION UPON EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH THE CONTRACTOR FAILS TO REQUEST LOCATIONS FROM THE CITY OF POMPANO BEACH OR ONE CALL OF FLORIDA OR THE UTILITY AGENCIES LISTED ABOVE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED. THE CONTRACTOR SHALL INSPECT PROJECT SITE AND EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
- G. COORDINATE PROPOSED CONSTRUCTION ACTIVITIES WITH EXISTING UTILITY REMOVAL/RELOCATION TO BE PERFORMED BY THE CITY OF POMPANO BEACH. CONTACT JUAN CARLOS SAMUEL AT (954) 786-5523 FOR ADDITIONAL INFORMATION. THIS MUST BE CONSIDERED PRIOR TO BIDDING THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- H. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE. THE CONTRACTOR IS ADVISED THAT A TREE PERMIT MAY BE REQUIRED FOR TREE REMOVAL/RELOCATION. COORDINATE WITH ARCHITECTURAL/LANDSCAPE DRAWINGS AS APPLICABLE.

III. INSPECTIONS

- A. THE CONTRACTOR SHALL NOTIFY THE CITY OF POMPANO BEACH PUBLIC WORKS DEPARTMENT, THE ENGINEER OF RECORD, AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 24 HOURS, OR AS NOTED BY USAGE, PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS, WHERE APPLICABLE:
1. CLEARING AND FILLING
 2. BRIDGE CULVERT INSTALLATION/RELOCATION
 3. SUBGRADE
 4. CONCRETE
 5. RAILING INSTALLATION
 6. CURB & GUTTER INSTALLATION
 7. DRAINAGE MODIFICATIONS
 8. SIGNING & PAVEMENT MARKINGS
 9. FINAL
- B. AN APPROVED SET OF CONSTRUCTION PLANS, CONTRACT DOCUMENTS AND CITY OF POMPANO BEACH CONSTRUCTION PERMIT, SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE AT ALL TIMES DURING CONSTRUCTION OPERATIONS.

IV. SHOP DRAWINGS

- A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY OF POMPANO BEACH. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS IF REQUIRED.
- B. CATALOG LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES, OR PEDESTRIAN BRIDGE. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED.

V. TEMPORARY FACILITIES

- A. TEMPORARY FACILITIES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY.
 2. OBTAIN CONSTRUCTION METER FOR ALL WATER USED ON JOB. ALL WATER USED FOR CLEANING, TESTING, ETC. WILL BE PAID FOR BY THE CONTRACTOR. IF WATER CANNOT BE METERED THEN IT WILL BE CALCULATED.
- B. TRAFFIC REGULATION:

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH MANUAL OF TRAFFIC CONTROL DEVICES (M.U.T.C.D.), LATEST EDITION AND THE FDOT STANDARD DRAWINGS 600 SERIES.
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT PERMISSION OF THE CITY OF POMPANO BEACH.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY NECESSARY CONSTRUCTION, PAVEMENT MARKING AND SIGNAGE OR ANY PEDESTRIAN SIGNALIZATION AND/OR MODIFICATION TO ACCOMMODATE AN ALTERNATE SAFE WALK ROUTE.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TRENCH SAFETY SYSTEMS SUCH AS SHEETING AND BRACING IN ACCORDANCE WITH STATE, LOCAL AND OSHA REGULATIONS.

VI. PROJECT CLOSEOUT

A. CLEANING UP:

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEPED BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, OR HIS EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THAT END, THE CONTRACTOR SHALL DO, AS REQUIRED, ALL NECESSARY HIGHWAY, DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR HAS BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
4. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
5. ALL UNPAVED SURFACES DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6. ALL DEMOLISHED SIDEWALKS, ROADWAYS AND CURBS SHALL BE RESTORED TO MATCH EXISTING.
7. CONTRACTOR SHALL RESTORE ALL CONDUITS, ELECTRICAL SERVICE, COMMUNICATIONS CABLING AND IRRIGATION LINES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL EXPENSE TO OWNER.

B. PROJECT RECORD DOCUMENTS

1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH, MATERIAL AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
2. THE CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR.
3. PRIOR TO A FINAL INSPECTION, THE CONTRACTOR SHALL SUBMIT TWO (2) SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS TO ENGINEER.

VII. NPDES REQUIREMENTS

- A. THE CONTRACTOR WILL BE RESPONSIBLE FOR (1) IMPLEMENTATION OF THE EROSION CONTROL PLAN (ECP) THAT WAS REQUIRED TO BE DEVELOPED PRIOR TO N.O.I. SUBMITTAL, AND TWO (2) RETENTION OF RECORDS REQUIRED BY THE PERMIT, INCLUDING RETENTION OF A COPY OF THE ECP AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL SITE STABILIZATION.

VIII. MAINTENANCE OF TRAFFIC

- A. THE CONTRACTOR SHALL PROVIDE A "MAINTENANCE OF TRAFFIC" PLAN WHICH INCLUDES PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE AND ADEQUATE WALKING SURFACE FOR ALL SCHOOL CHILDREN/PEDESTRIANS. THE SAFE WALK ROUTE SHALL BE PART OF THE MAINTENANCE OF TRAFFIC PLAN.
- B. ALL CONSTRUCTION EQUIPMENT AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. ALL CONSTRUCTION EQUIPMENT ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.
- C. IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CANNOT BE MAINTAINED, THEN THE CONTRACTOR SHALL NOTIFY THE CITY OF POMPANO BEACH A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER THAT AN ALTERNATE CROSSING/ROUTE CAN BE ESTABLISHED.
- D. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKING AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE.

IX. ENVIRONMENTAL NOTES

- A. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ALL PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE CITY OF POMPANO BEACH PROJECT MANAGER, JUAN CARLOS SAMUEL AT (954) 786-5523. NO STAGING OF EQUIPMENT/VEHICLES WILL BE ALLOWED IN OR NEAR THE FOLLOWING SECTION (4) RECREATION RESOURCES: GEORGE BRUMMER PARK (3600 PALM AIRE DRIVE).
- B. IF SUSPECT COORDINATED OR HAZARDOUS MATERIAL IS FOUND ON THE PROJECT OR ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL CEASE OPERATIONS IN THAT AREA. IMMEDIATELY NOTIFY THE CITY PROJECT MANAGER JUAN CARLOS SAMUEL AT (954) 786-5523 AND PROTECT THE IMMEDIATE AREA OF SUSPECT CONTAMINATED OR HAZARDOUS MATERIAL FROM FURTHER ACCESS. THE CITY PROJECT MANAGER WILL ARRANGE FOR THE INVESTIGATION, IDENTIFICATION AND/OR REMOVAL/REMEDIATION OF THE MATERIAL IN QUESTION AS NEEDED.
- C. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, PERMISSION FROM THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE A COPY OF THE REQUEST TO THE CITY PROJECT MANAGER, JUAN CARLOS SAMUEL. THE CONTRACTOR SHALL PROVIDE THE CITY PROJECT MANAGER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE, AND PROVIDE A DESCRIPTION OF THE SPECIFIC MANNER IN WHICH THE MATERIAL WILL BE USED. THE PROJECT ENGINEER SHALL COORDINATE WITH THE CITY PROJECT MANAGER, PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AS HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT REQUIRE AN MSDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT.

X. RECTANGULAR RAPID FLASHING BEACONS

- A. ALL COMPONENTS OF THE RECTANGULAR RAPID FLASHING BEACON ASSEMBLIES SHALL BE ON THE APPROVED FDOT APL OR QPL LIST.
- B. THE CITY OF POMPANO BEACH ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN, INSPECTION, ACCEPTANCE, AND MAINTENANCE OF THE RECTANGULAR RAPID FLASHING BEACON ASSEMBLIES.

R.J.Behar & Company, Inc.
Engineers • Planners



CERTIFICATE OF REGISTRATION
 PROFESSIONAL ENGINEER
 www.rjb.com

DESIGN OFFICE LOCATION: 881 S.W. 187TH AVE., SUITE 302, PEMBROKE PINES, FL 33024, PH: 954-962-7771, FAX: 954-962-7781

SW 36th AVENUE
 PEDESTRIAN IMPROVEMENTS
 FROM NORTH OF MCNAB ROAD
 TO PALM AIRE DRIVE
 CONTRACT PLANS



RJB Proj. No:	13071
Date:	11-18-2015
DESIGN:	YM
DRAWN:	YM
CHECK:	JR

REVISIONS:

SHEET NAME:

QTY AND
 GENERAL
 NOTES

JAVIER RODRIGUEZ
 LICENSE NO. 44294
 12/11/15

PLANS: POMPANO BEACH ENGINEERING DEPARTMENT, 1000 W. PALM AIRE DRIVE, POMPANO BEACH, FLORIDA 33069



CERTIFICATE OF
REGISTRATION
FOR
ENGINEER
www.rjbehar.com

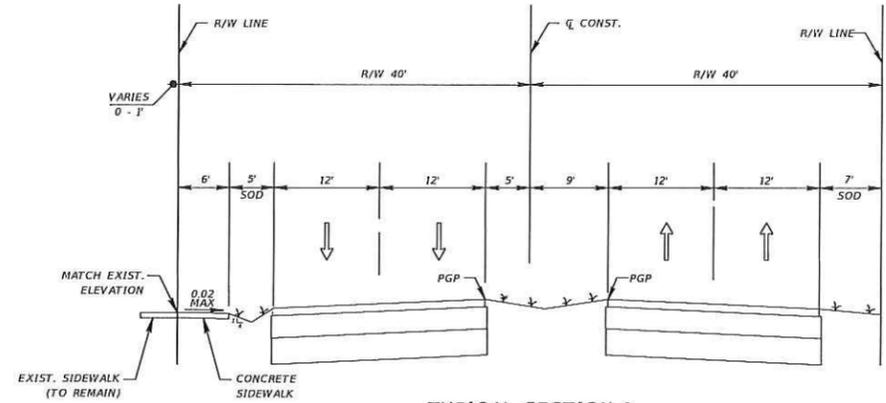
DESIGN OFFICE LOCATION: 681 S.W. 118TH AVE., SUITE 302, PEMBROKE PINES, FL 33332, P.O. BOX 954-480-771, FAX 954-480-7781

SW 36th AVENUE
PEDESTRIAN IMPROVEMENTS
FROM NORTH OF MCNAB ROAD
TO PALM AIRE DRIVE
CONTRACT PLANS

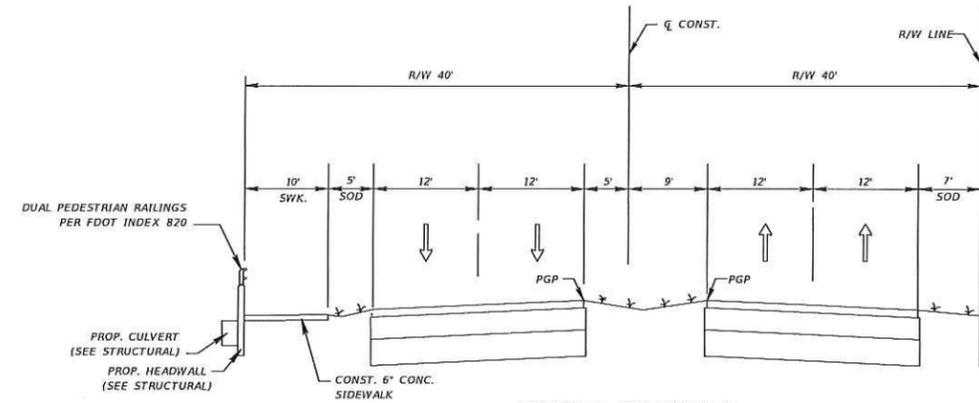


Proj. No:	13071
Date:	11-16-2015
DESIGN:	YM
DRAWN:	YM
CHECK:	JR
REVISIONS:	

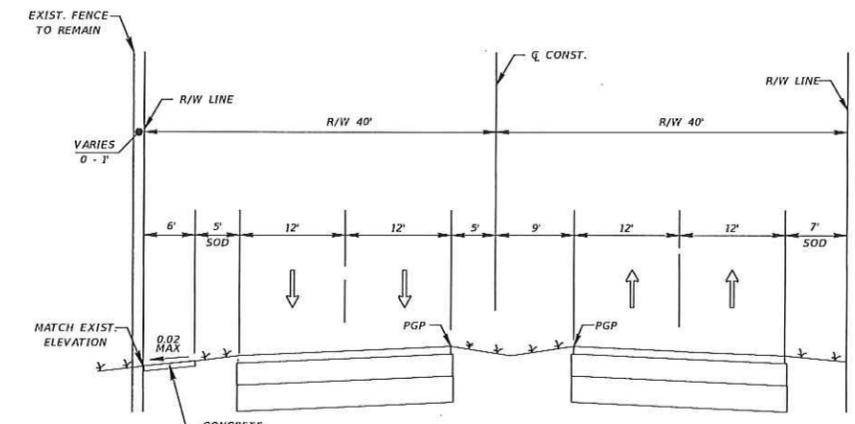
SHEET NAME:	
TYPICAL SECTIONS	
TYP	
SHEET 4 OF 10	



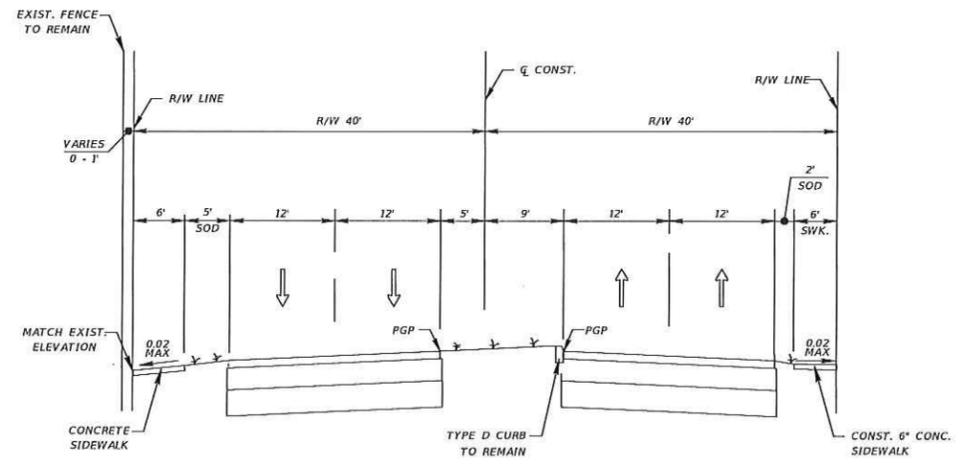
TYPICAL SECTION 1
SW 36th AVE
STA. 16+40.00 TO STA. 17+00.00



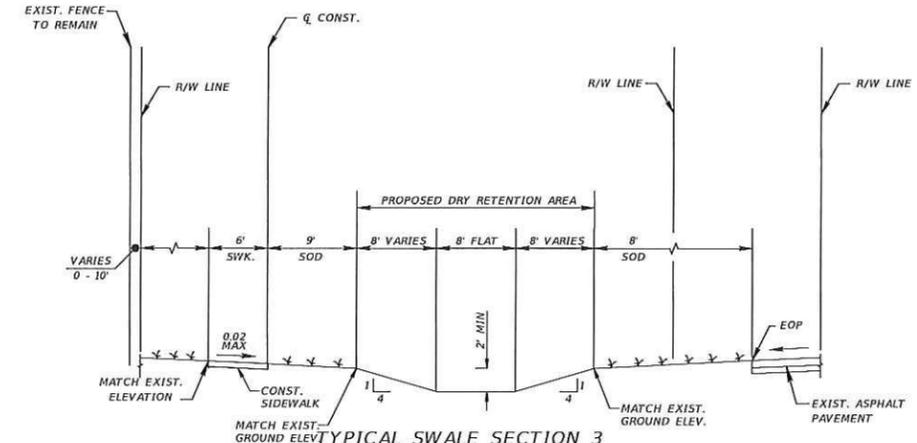
TYPICAL SECTION 4
SW 36th AVE
STA. 17+00.00 TO STA. 17+80.00



TYPICAL SECTION 2
SW 36th AVE
STA. 17+80.00 TO STA. 20+60.00



TYPICAL SECTION 5
SW 36th AVE
STA. 20+60.00 TO STA. 31+70.00



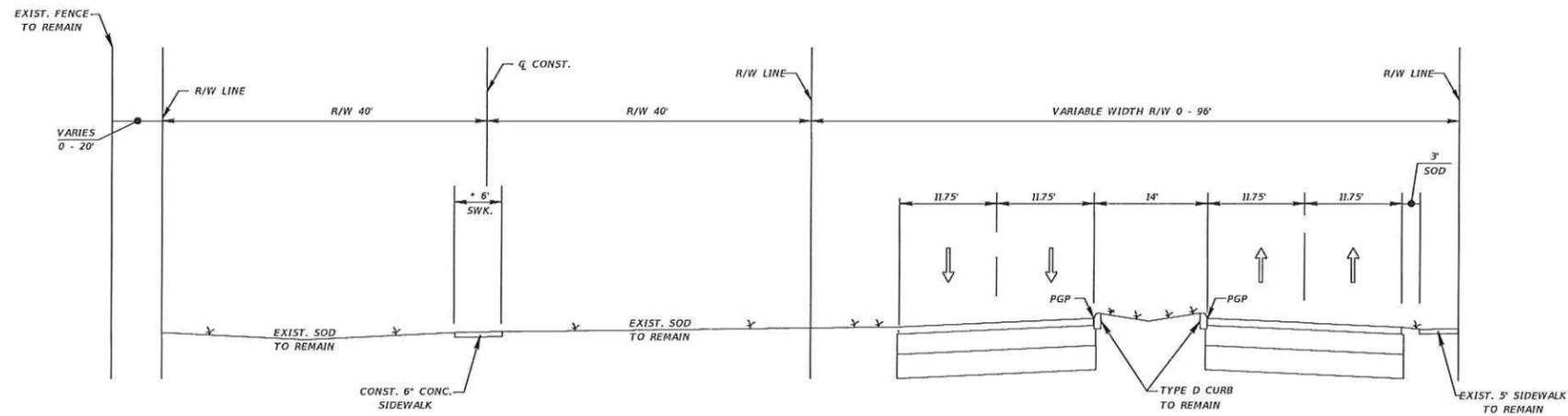
TYPICAL SWALE SECTION 3
SW 36th AVE
STA. 35+11.58 TO STA. 37+52.47
AND
STA. 37+61.59 TO STA. 39+11.52

CONCRETE SIDEWALK

A. 6" THICK CONC. 3000 PSI EXPANSION JOINTS @ 10' O.C.
(SHALL BE USED FOR CONCRETE PAD AROUND MANHOLES.
SEE PLANS FOR DETAILS.)

[Signature]
12/4/15
JAVIER RODRIGUEZ, P.E.
LICENSE NO. 4824

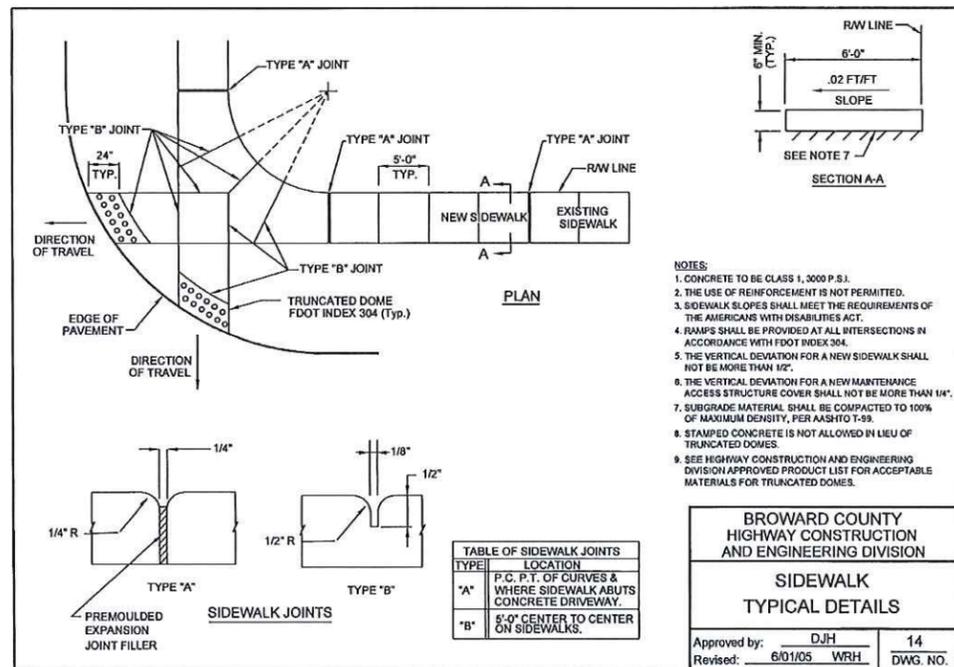
P:\SW36\PEDESTRIAN IMPROVEMENTS\CONTRACT PLANS\TYPICAL SECTIONS\TYPICAL SWALE SECTION 3.DWG - CIVIL BY YVESSEL



* SIDEWALK LOCATIONS VARY.
SEE LOCATIONS IN THE PLANS

TYPICAL SECTION 6
SW 36th AVE

STA. 31+70.00 TO STA. 41+17.00



- NOTES:**
1. CONCRETE TO BE CLASS 1, 3000 P.S.I.
 2. THE USE OF REINFORCEMENT IS NOT PERMITTED.
 3. SIDEWALK SLOPES SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
 4. RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS IN ACCORDANCE WITH FOOT INDEX 304.
 5. THE VERTICAL DEVIATION FOR A NEW SIDEWALK SHALL NOT BE MORE THAN 1/2".
 6. THE VERTICAL DEVIATION FOR A NEW MAINTENANCE ACCESS STRUCTURE COVER SHALL NOT BE MORE THAN 1/4".
 7. SUBGRADE MATERIAL SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY, PER AASHTO T-99.
 8. STAMPED CONCRETE IS NOT ALLOWED IN LIEU OF TRUNCATED DOWNS.
 9. SEE HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION APPROVED PRODUCT LIST FOR ACCEPTABLE MATERIALS FOR TRUNCATED DOWNS.

BROWARD COUNTY
HIGHWAY CONSTRUCTION
AND ENGINEERING DIVISION

SIDEWALK
TYPICAL DETAILS

Approved by: DJH 14
Revised: 6/01/05 VRH DWG. NO.

1 SIDEWALK DETAILS
5

12/9/16

NO. 12/9/16

DATE

R.J.Behar & Company, Inc.
Engineers • Planners

CERTIFICATE OF AUTHORIZATION No. 0003835
www.rjb.com

DESIGN OFFICE LOCATION: 6861 S.W. 189TH AVE., SUITE 302, PEMBROKE PINES, FL 33029, PH: 954-880-7711, FAX: 954-880-7781

SW 36th AVENUE
PEDESTRIAN IMPROVEMENTS
FROM NORTH OF MCNAB ROAD
TO PALM AIRE DRIVE
CONTRACT PLANS

pompano beach
Florida's Warmest Welcome

RJB Proj. No: 13071

Date: 11-16-2015

DESIGN:	DRAWN:	CHECK:
YM	YM	JR

REVISIONS:

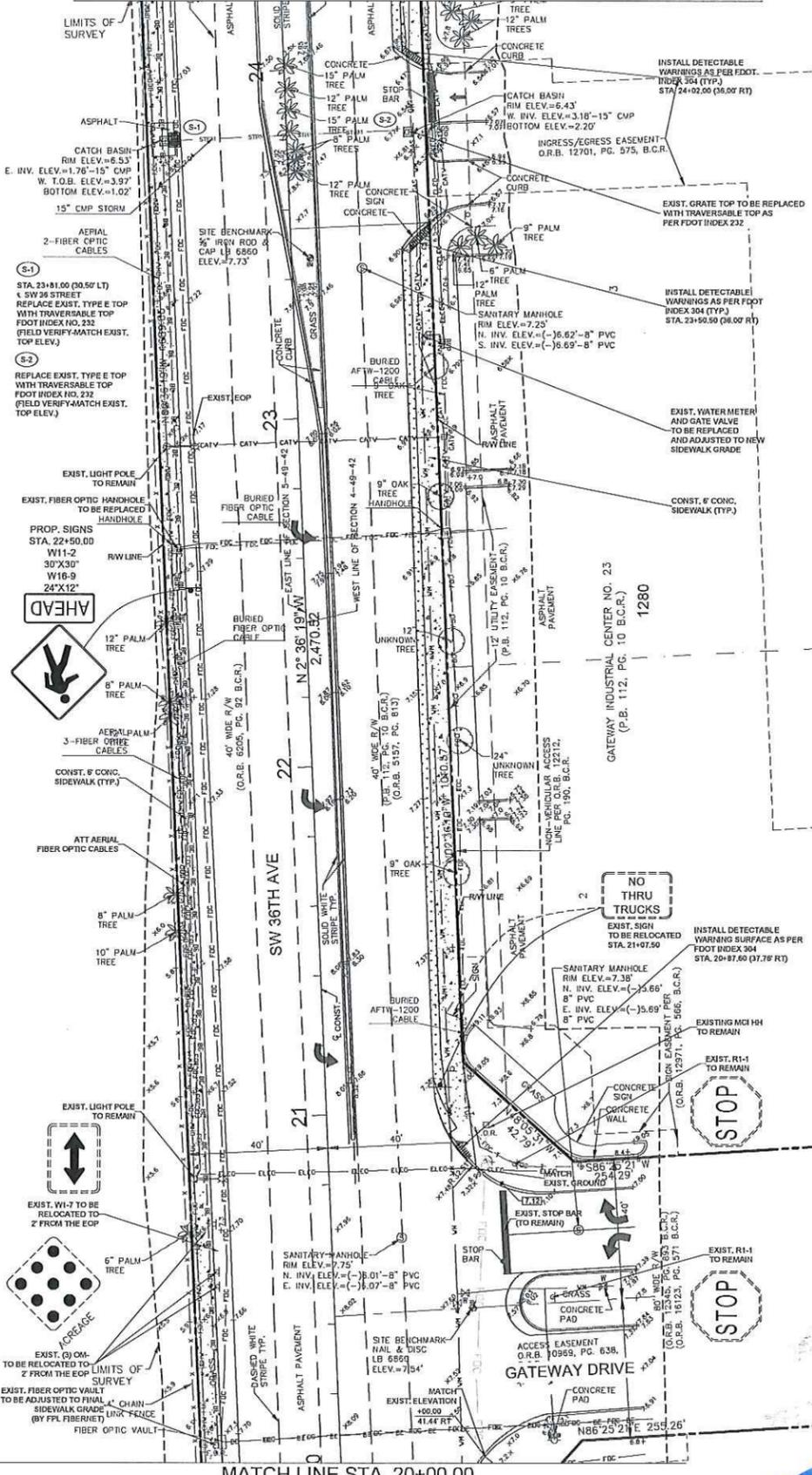
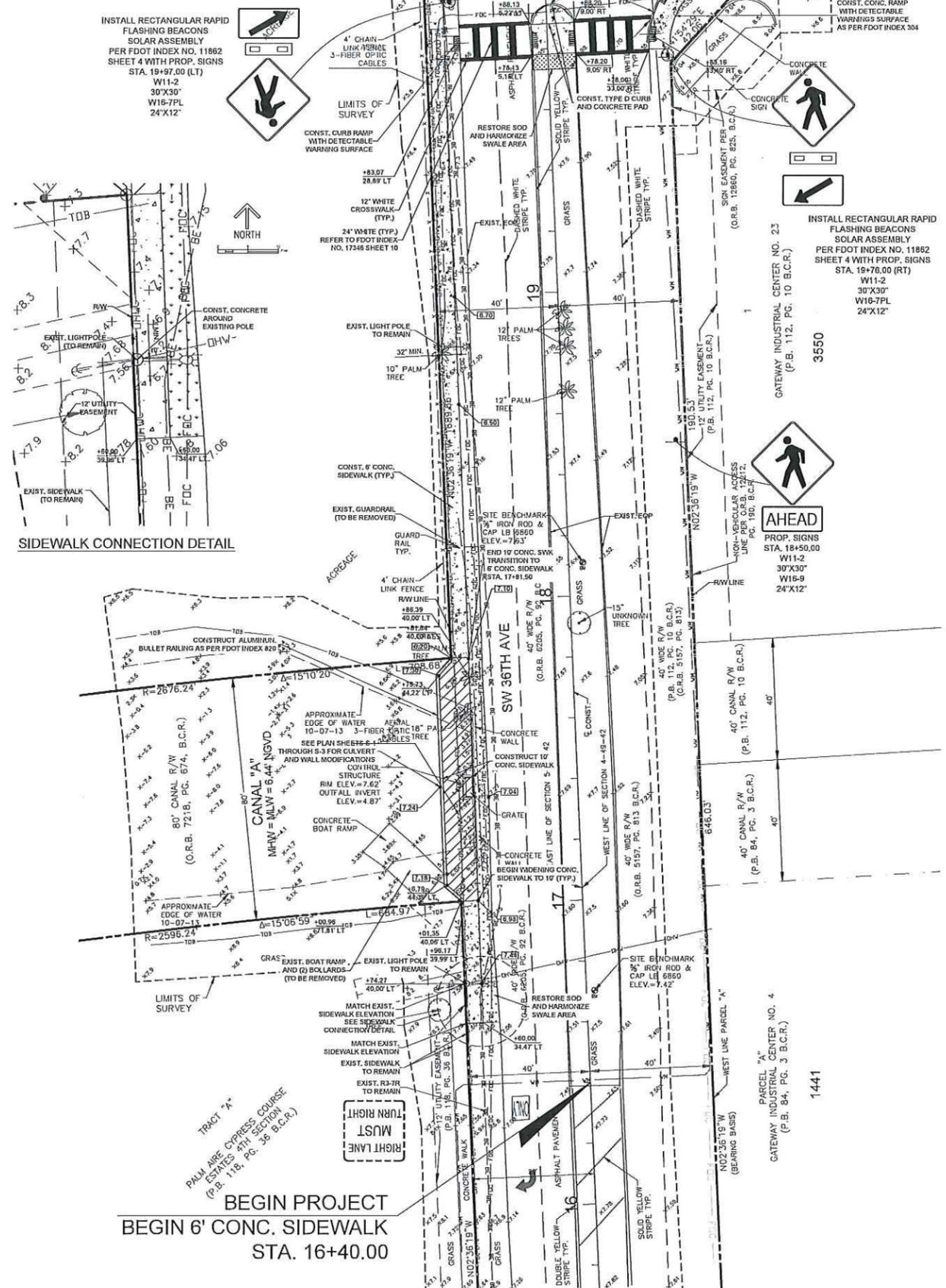
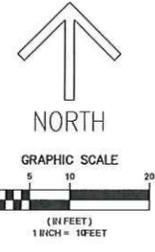
SHEET NAME:

TYPICAL SECTIONS
DETAILS

DET-1
SHEET 5 OF 10

MATCH LINE STA. 20+00.00

MATCH LINE STA. 24+20.00



- NOTES:**
1. TREES TO BE REMOVED PRIOR TO CONSTRUCTION BY THE CITY OF POMPAÑO BEACH.
 2. ALL SIGN ARE TO BE MADE OF TYPE XI SHEETING

- LEGEND**
- ⊕ CONTROL POINT
 - EXIST. ELEVATIONS IN N.A.V.D.
 - PROP. ELEVATIONS IN N.A.V.D.
 - ▨ DENOTES 4" CONCRETE SIDEWALK
 - ▨ DENOTES 6" CONCRETE SIDEWALK
 - ▨ SOD RESTORATION
 - ▨ DETECTABLE WARNING SURFACE

R.J. Behar & Company, Inc.
Engineers - Planners

CERTIFICATE OF AUTHORIZATION NO. 0000088
www.rjbehar.com

DESIGN OFFICE LOCATION: 8801 S.W. 18TH AVE., SUITE 302, PEMBROKE PINES, FL 33028, PH: 954-880-7771, FAX: 954-880-7781

SW 36th AVENUE
PEDESTRIAN IMPROVEMENTS
FROM NORTH OF MCNAB ROAD
TO PALM AIRE DRIVE
CONTRACT PLANS



RJB Proj. No: 13071

Date: 11-16-2015

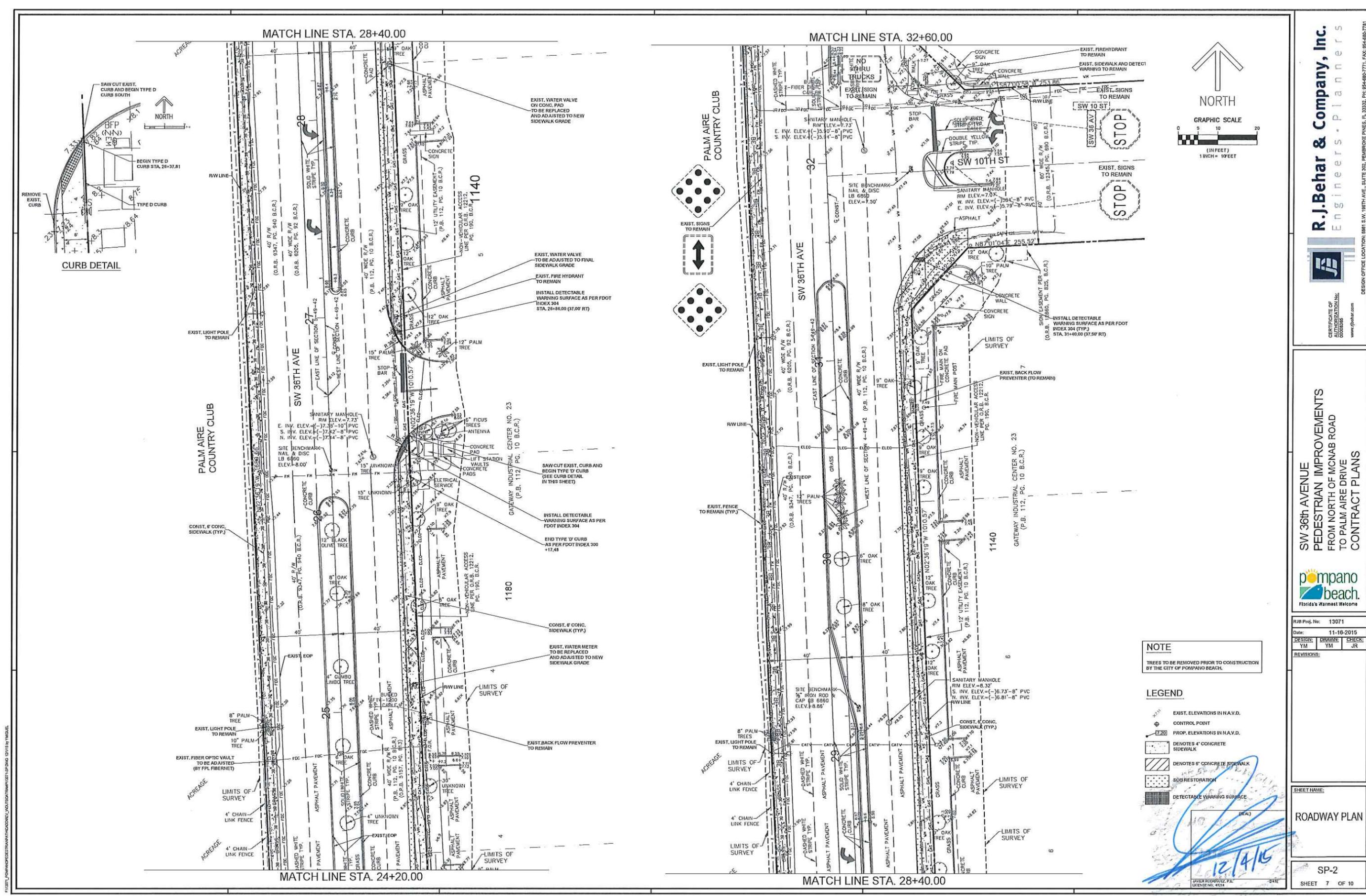
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REVISIONS:

SHEET NAME:
ROADWAY PLAN

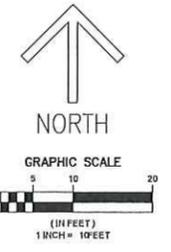
12/4/15

JAVIER RODRIGUEZ, P.E.
LICENSE NO. 42314



CURB DETAIL

\P\2015\PROJECTS\2015\ROADWAY\DRAWINGS\SW 36TH AVE.DWG (DWG) BY MCB



NOTE
TREES TO BE REMOVED PRIOR TO CONSTRUCTION BY THE CITY OF POMPAHO BEACH.

- LEGEND**
- EXIST. ELEVATIONS IN N.A.V.D.
 - CONTROL POINT
 - PROP. ELEVATIONS IN N.A.V.D.
 - DENOTES 4" CONCRETE SIDEWALK
 - DENOTES 6" CONCRETE SIDEWALK
 - SOD RESTORATION
 - DETECTABLE WARNING SURFACE

12/4/15

JASUR KOSKOVIC, P.E.
LICENSE NO. 41314

R.J.Behar & Company, Inc.
Engineers • Planners

CERTIFICATE OF AUTHORIZATION NO. 00000385
www.rjbehar.com

DESIGN OFFICE LOCATION: 8861 S.W. 188TH AVE., SUITE 302, POMPANO BEACH, FL 33032, PH: 954-680-7771, FAX: 954-680-7761

**SW 36th AVENUE
PEDESTRIAN IMPROVEMENTS
FROM NORTH OF MCNAB ROAD
TO PALM AIRE DRIVE
CONTRACT PLANS**

RJB Proj. No: 13071	
Date: 11-16-2015	
DESIGN: YM	DRAWN: YM
CHECK: JR	CHECK: JR
REVISIONS:	

SHEET NAME:
ROADWAY PLAN

SP-2
SHEET 7 OF 10

FDOT MAINTENANCE OF TRAFFIC NOTES:

- INTERSECTION WORK:
FDOT INDICES 613, 614, AND 615 SHALL BE USED FOR INTERSECTION IMPROVEMENTS, WHERE APPLICABLE.

GENERAL NOTES:

- TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION) AT MINIMUM CRITERIA.
- REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE THE POSTED SPEED.
- CONTRACTOR MAY NOT WORK ON CITY HOLIDAYS. FOR A LIST OF EVENTS REFER TO THE CITY'S WEBSITE WWW.POMPANOBEACHFL.GOV UNDER "CODE OF ORDINANCES", THEN QUICK SEARCH CHAPTER 97-NOISE THEN GO TO SECTION 97.50.
- SINGLE LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS. NON-PEAK HOURS ARE FROM 9:00 AM TO 5:00 P.M. NO EXISTING LANES SHALL BE CLOSED ON SATURDAY, SUNDAY, OR ANY HOLIDAY. NO EXISTING LANES SHALL BE CLOSED ON A FRIDAY PRECEDING A SATURDAY HOLIDAY OR THE MONDAY FOLLOWING A SUNDAY HOLIDAY. NO EXISTING LANE SHALL BE CLOSED DURING SPECIAL EVENT DATES AS DETERMINED BY THE ENGINEER. THE ENGINEER MAY ADJUST LANE CLOSURE TIMES IF CONDITIONS WARRANT. WHEN UNDUE CONGESTION OCCURS THE CONTRACTOR SHALL REOPEN THE LANES TO TRAFFIC AT NOT ADDITIONAL COST TO THE OWNER.
- NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE OR DETOUR BY SUBMITTING THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA TO THE ENGINEER AT THE DISTRICT'S TRAFFIC OPERATIONS OFFICE, AND NOTIFICATION TO THE CITY OF POMPANO BEACH, CITY ENGINEER, JUAN CARLOS SAMUEL AT (954)786-8823, THE FLORIDA HIGHWAY PATROL, LOCAL POLICE, AND FIRE AND AMBULANCE SERVICES.
- AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
- LANE CLOSURES FOR CONSTRUCTION OF PEDESTRIAN RAMPS AND SIDEWALKS SHALL NOT EXTEND BEYOND THE LIMITS OF THESE IMPROVEMENTS EXCEPT TO PROVIDE A SAFE TRANSITION AREA ON THE APPROACH TO THE WORK ZONE. THE ENGINEER SHALL ADJUST THE LENGTH OF THE LANE CLOSURE AT HIS DISCRETION.
- CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION.
- ARROWS ON THE TCP DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.
- EACH EXISTING STREET NAME AND STOP SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION.
- CONTRACTOR SHALL COORDINATE HIS STAGING AREAS WITHIN THE AVAILABLE RIGHT-OF-WAY AND LOCAL MUNICIPALITIES. CONTRACTOR SHALL MEET ALL LOCAL CODES.
- ALL PROPERTIES SHALL HAVE ACCESS AT ALL TIMES. THIS WILL REQUIRE COORDINATION WITH THE PROPERTY OWNERS AND/OR RESIDENTS. IF A DRIVEWAY CLOSURE IS NECESSARY, THE PROPERTY OWNER AND/OR RESIDENT SHALL BE NOTIFIED SEVEN (7) DAYS IN ADVANCE OF THE CLOSURE IN ADDITION TO THE LOCATION OF THE TEMPORARY ACCESS. IF THE PROPERTY HAS MORE THAN ONE DRIVEWAY, AT LEAST ONE DRIVEWAY SHALL REMAIN OPEN TO MAINTAIN ACCESS.

BROWARD COUNTY - MAINTENANCE OF TRAFFIC SCHOOL/PEDESTRIAN NOTES:

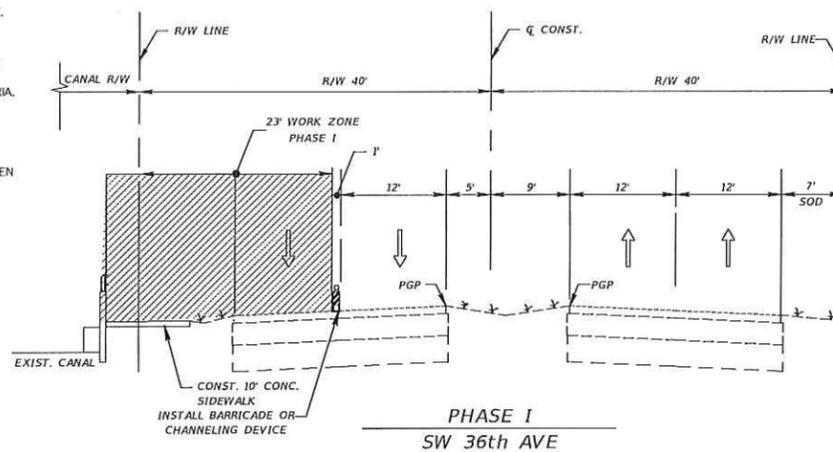
THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS:

- THE SAFE WALK ROUTE FOR ALL SCHOOL STUDENTS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. IF THE CURRENT WALKING SURFACE CANNOT BE MAINTAINED, THEN A TEMPORARY WALKABLE SURFACE SHALL BE CREATED UTILIZING 4 FEET ROAD-ROCK. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY BY WATER FILLED BARRIER WALLS FOR THE ENTIRE LENGTH OF THE PROJECT OR THE LENGTH OF THE WALK ROUTE WHICHEVER IS LESS, WITH PROPER PEDESTRIAN OPENINGS ONLY AT DESIGNATED CROSSINGS. TO BE DISCUSSED AT THE PRE-CONSTRUCTION - SCHOOL SAFETY MEETING. THIS WALKABLE SURFACE SHALL MEET ALL ADA REQUIREMENTS. THE CONTRACTOR SHALL ALSO INSTALL OR MODIFY ANY ADDITIONAL PAVEMENT, SIGNING, MARKINGS OR PEDESTRIAN SIGNALS AS NEEDED IN CONJUNCTION WITH THIS SAFE WALK ROUTE THROUGHOUT THEIR PROJECT.
- ALL CONSTRUCTION EQUIPMENT ACTIVITY AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE STUDENT ARRIVAL AND DISMISSAL TIMES. ALL CONSTRUCTION EQUIPMENT ACTIVITY ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.
- IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CANNOT BE MAINTAINED, THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2650, A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER TO ESTABLISH AN ALTERNATE CROSSING/ROUTE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKINGS AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE STATE CERTIFIED SCHOOL CROSSING GUARDS OR OFF DUTY POLICE OFFICERS TO CROSS STUDENTS AT ALL LOCATIONS OTHER THAN THOSE PREVIOUSLY DESIGNATED. THE CONTRACTOR MAY USE FLAGMEN, ONLY IF THEY ARE STATE CERTIFIED AS A SCHOOL CROSSING GUARD.
- THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2650, TO ARRANGE A PRE-CONSTRUCTION - SCHOOL SAFETY MEETING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE FOLLOWING BROWARD COUNTY SCHOOL BOARD PUPIL TRANSPORTATION DEPARTMENT PERSONNEL IF CONSTRUCTION WILL IMPACT ANY BUS ROUTES:

RUTH MASTERS	ROUTING	(754) 321-4400 Ext. # 2309	ruth.masters@browardschools.com
VINCENT HARRELL	STUDENT TRANSPORTATION & FLEET SERVICE	(754) 321-4472	vincent.harrell@browardschools.com
MARY TOCHTERMANN	STUDENT TRANSPORTATION & FLEET SERVICE	(754) 321-4400 EXT. # 2006	mary.tochtermann@browardschools.com

THIS MEETING IS TO DETERMINE ALL BUS ROUTES AND TO MAKE ANY NECESSARY ARRANGEMENTS FOR REROUTING. THIS MEETING MAY INCLUDE THE SPECIAL PROJECTS COORDINATOR FROM BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2650.

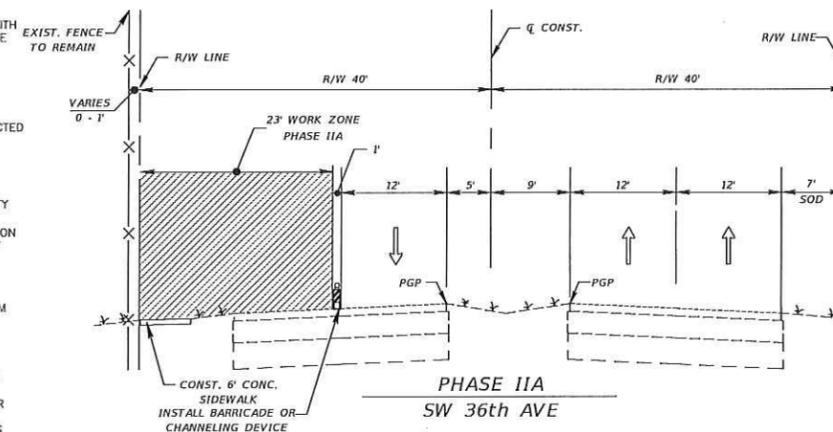
- THE CONTRACTOR SHALL IS RESPONSIBLE FOR PROVIDING A SAFE AND ADEQUATE WALKING SURFACE FOR ALL SCHOOL CHILDREN/PEDESTRIANS. THE SAFE WALK ROUTE SHALL BE PART OF THE MAINTENANCE OF TRAFFIC PLAN.
- THE CONTRACTOR SHALL IS RESPONSIBLE FOR OBTAINING AN APPROVED MAINTENANCE OF TRAFFIC PLAN (MOT), INCLUDING THE ABOVE SCHOOL/PEDESTRIAN CONDITIONS, THROUGH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION OR LOCAL MUNICIPALITY, DEPENDING ON ROADWAY JURISDICTION. THE CONDITIONS OUTLINED IN THE MOT ARE IN FORCED AND FULLY EFFECTIVE AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL IS RESPONSIBLE FOR ENSURING THAT ALL WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH ALL THE REQUIREMENTS OF THE APPROVED MOT, INCLUDING THE ABOVE SCHOOL/PEDESTRIAN CONDITIONS.
- THE CONTRACTOR SHALL ENSURE THAT THERE ARE NO SPEED LIMIT SIGNS INSTALLED WITHIN THE DESIGNATED REDUCED SCHOOL ZONE, AT ANY TIME THROUGHOUT THE PROJECT.



PHASE I
SW 36th AVE
STA. 17+00.00 TO STA. 17+80.00

PHASE I

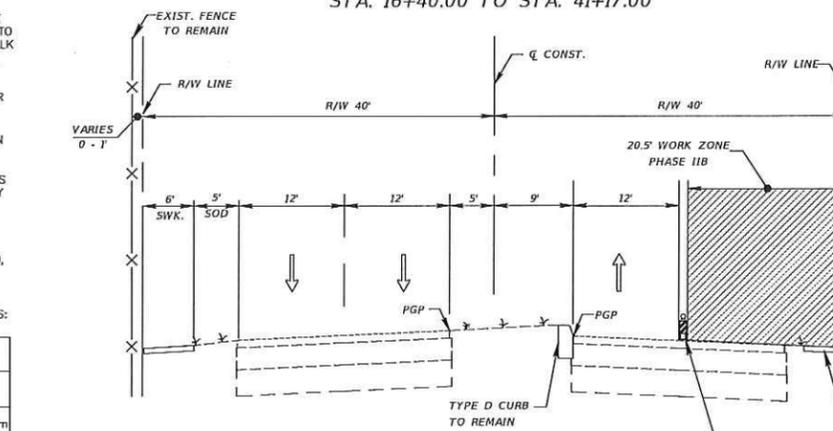
- PLACE TEMPORARY WORK ZONE SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO CLOSE SOUTHBOUND OUTERMOST LANE AS PER FDOT INDEX 616.
- PERFORM DRAINAGE MODIFICATIONS AS INDICATED ON THE PLANS.
- REMOVE EXISTING BOAT RAMP
- EXTEND CULVERT AND INSTALL TEN FOOT SIDEWALK WITH CONCRETE PARAPET AND DUAL PEDESTRIAN HANDRAIL AS INDICATED IN THE PLANS.
- MAINTAIN ONE LANE IN EACH DIRECTION OF TRAFFIC AT ALL TIMES.



PHASE IIA
SW 36th AVE
STA. 16+40.00 TO STA. 41+17.00

PHASE IIA

- PLACE TEMPORARY WORK ZONE SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO CLOSE SOUTHBOUND OUTERMOST LANE AS PER FDOT INDEX 616.
- CONSTRUCT THE WEST SIDE OF THE SIDEWALK, CURB RAMPS, SOD, AND CURB AND GUTTER, RE-GRADE SWALE AS INDICATED ON THE PLANS.
- MAINTAIN ONE LANE IN EACH DIRECTION OF TRAFFIC AT ALL TIMES.



PHASE IIB
SW 36th AVE
STA. 20+60.00 TO STA. 31+70.00

PHASE IIB

- PLACE TEMPORARY WORK ZONE SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO CLOSE NORTHBOUND OUTERMOST LANE AS PER FDOT INDEX 616.
- CONSTRUCT THE EAST SIDE OF THE SIDEWALK, CURB RAMPS, SOD, AND CURB AND GUTTER AS INDICATED ON THE PLANS.

PHASE III

- INSTALL SIGNS AND PLACE FINAL PAVEMENT MARKINGS AS INDICATED ON THE PLANS. USE FDOT INDEX 619 FOR PAVEMENT MARKING AND RPM PLACEMENT.

R.J.Behar & Company, Inc.
Engineers - Planners



CERTIFICATE OF AUTHORIZATION No. 0008265
www.rjbehar.com

DESIGN OFFICE LOCATION: 6881 S.W. 198TH AVE., SUITE 300, PEMBROKE PINES, FL 33329, PH: 954-880-7771, FAX: 954-880-7781

SW 36th AVENUE
PEDESTRIAN IMPROVEMENTS
FROM NORTH OF MCNAB ROAD
TO PALM AIRE DRIVE
CONTRACT PLANS



RJB Proj. No:	13071
Date:	11-16-2015
DESIGNER:	YM
DRAWN:	YM
CHECK:	JR
REVISIONS:	

SHEET NAME:

TRAFFIC CONTROL PLAN NOTES

TCPNTS-1
SHEET 9 OF 10

JAVIER RODRIGUEZ, P.E.
LICENSE NO. 4524
DATE: 12/11/15

1. SITE DESCRIPTION

1.A. NATURE OF CONSTRUCTION ACTIVITY:
THE PROJECT CONSISTS OF THE CONSTRUCTION OF A SIX (6) FOOT CONCRETE SIDEWALK ALONG THE WEST SIDE AND A SIX (6) FOOT SIDEWALK ALONG THE EAST SIDE OF SW 36TH AVENUE, INCLUDING A TEN (10) FOOT PEDESTRIAN PATH WITH A GULCH EXTENSION ALONG CANAL "A". MINOR DRAINAGE MODIFICATIONS, AND NEW SIGNAGE & PAVEMENT MARKINGS WILL BE INSTALLED.

PROJECT LIMITS:
THE PROJECT IS LOCATED IN THE CITY OF POMPAÑO BEACH, FLORIDA. THE PROJECT LIMITS ARE ALONG SW 36TH AVENUE FROM R/W TO R/W BEGINNING NORTH OF WEST MCNAB ROAD TO WEST PALM AIRE DRIVE.

PROJECT DESCRIPTION:
THE PROJECT INVOLVES THE CONSTRUCTION OF INFRASTRUCTURE AS FOLLOWS:

1. IMPERVIOUS CONCRETE PEDESTRIAN PATH
2. NEW PEDESTRIAN PATH WITH BARRIER WALL AND BULLET RAILINGS
3. CANAL CULVERT EXTENSION AND BOAT RAMP RELOCATION

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

1. CLEARING AND GRUBBING, EARTHWORK, AND GRADING.
2. DRAINAGE MODIFICATIONS.
3. CONSTRUCTION OF IMPERVIOUS CONCRETE PEDESTRIAN PATHS.

ADDITIONAL NOTES:

1. MOST OF THE SOIL DISTURBANCE WILL BE AS A CONSEQUENCE OF CLEARING AND GRUBBING ACTIVITIES. THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

2. CONTRACTOR'S STAGING AREA SHALL BE PROTECTED AGAINST DUST, SILT ACCUMULATION, AND CONSEQUENT POLLUTION DUE TO TRANSPORTATION OF SEDIMENTARY MATERIAL.

3. PROVIDE POLLUTION PROTECTION TO ALL EXISTING DRAINAGE STRUCTURES IN THE AREA DURING CONSTRUCTION AND AFTER, AS PER FOOT STANDARDS AND STORM WATER POLLUTION PREVENTION PLAN NOTES.

4. PERMANENT OR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHALL BE THE PLACEMENT OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT, THE INITIAL WORK AREA, AND OTHER AFFECTED AREAS TO PREVENT STORM WATER POLLUTION.

1.C. OUTFALL INFORMATION:

LOCATION: N/A
RECEIVING WATER BODY: N/A

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW:

1. AREAS OF SOIL DISTURBANCE - THE AREAS TO BE DISTURBED ARE THOSE WITHIN THE PROPERTY LIMITS AS NOTED ON THE PLANS.
2. AREAS NOT TO BE DISTURBED - EXISTING PAVED AREAS OUTSIDE OF THE PROJECT LIMITS WILL REMAIN, UNLESS SPECIFIED OTHERWISE IN PLANS.
3. LOCATIONS OF TEMPORARY CONTROLS - THESE SHALL BE PLACED IN ACCORDANCE WITH SECTION 2.A.1. AND 2.A.2. THE CONTRACTOR SHALL HAVE A COPY OF THE EROSION CONTROL PLANS ON-SITE.
4. AREAS TO BE STABILIZED - THE PROJECT WILL BE EITHER PAVEMENT, CONCRETE, OR SOD.
5. AN OFFSITE VEHICULAR TRACKING SYSTEM SHALL BE EMPLOYED UTILIZING THE BEST MANAGEMENT PRACTICES.

2. CONTROLS

2.A. EROSION AND SEDIMENT CONTROLS:

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION
2. QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.25 INCHES OR GREATER.
3. CONTRACTOR TO COORDINATE WITH THE CITY OF POMPAÑO BEACH TO VERIFY THE LOCATION OF ALL EXISTING STORM WATER COMPONENTS WITHIN THE VICINITY OF THE PROJECT.
4. PROJECT/CONSTRUCTION SHALL BE PROTECTED AROUND ITS PERIMETER UTILIZING APPLICABLE STORM WATER POLLUTION PREVENTION MECHANISMS.
5. CONTRACTOR SHALL ENSURE THAT ALL APPLICABLE GUIDELINES UNDER THE NPDES PROGRAM ARE ADHERED TO FULLY.

ADDITIONAL NOTES:

1. PLACE SILT FENCES AROUND THE PERIMETER OF THE AREA TO PREVENT SILT AND DEBRIS FROM LEAVING THE SITE.
2. PLACE ROCK BAGS/FILTER FABRIC AROUND INLETS.
3. PROTECT AREAS NOT DISTURBED.
4. SOO.

2.B. STABILIZATION PRACTICES:

THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICE PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

1. ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
2. SEED AND MULCH, AND SOO IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

1. CONCRETE SURFACE.
2. SOO IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.C. STRUCTURAL PRACTICES:

INLETS SHALL BE PROTECTED BY SUITABLE FILTERING DEVICES DURING CONSTRUCTION TO PREVENT THE INTRUSION OF SETTLEABLE POLLUTANTS TO THE STORM WATER SYSTEM. INSPECTION SHOULD BE MADE WEEKLY AND AFTER ANY HEAVY RAINFALL EVENT (0.25 INCHES OR GREATER). ONCE FILTER FABRIC IS CLOGGED, CLEAR IT TO REMOVE COLLECTED SEDIMENTS OR REPLACE AS NECESSARY.

TEMPORARY:

1. SILT FENCE IN ACCORDANCE WITH FOOT EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION) AND FOOT SPECIFICATION SECTION 104.
2. ROCK BAGS TO CONTROL EROSION AND TRAP SILT.
3. INLET PROTECTION IN ACCORDANCE WITH FOOT EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION) AND FOOT SPECIFICATION SECTION 104.

PERMANENT:

1. SOO

2.D. OTHER CONTROLS:

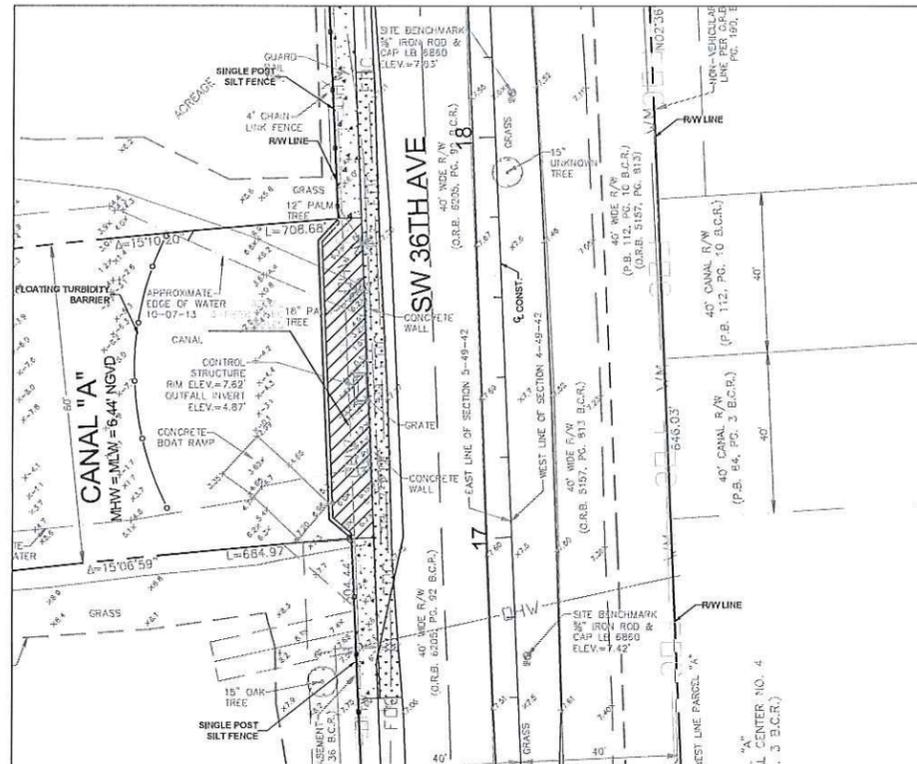
2.D.1. WASTE DISPOSAL:

THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

1. PREVENTING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
2. DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

2.D.2. DUST:

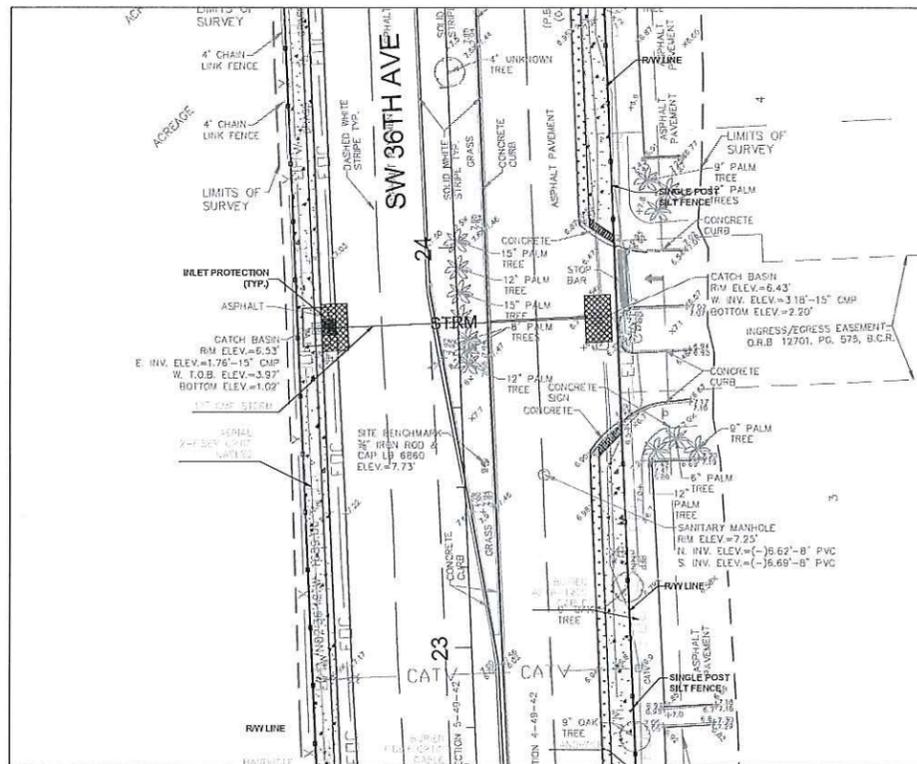
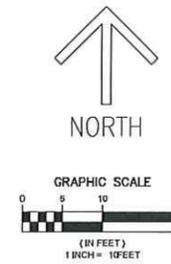
DUST, RESULTING FROM PROPOSED DEMOLITION ACTIVITIES, SHALL BE PREVENTED FROM INTRUSION INTO THE STORM WATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES (WATER AND SLURRY) MUST BE RETAINED ON SITE. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENTS SHALL BE AVOIDED.



TYPICAL CANAL SECTION

INSTALL FLOATING TURBIDITY BARRIER AT CANAL "A"

1. SW 36TH AVENUE - WEST SIDE
2. CYPRESS BOULEVARD - EAST SIDE



TYPICAL INLET PROTECTION SECTION
INSTALL ROCK BAGS AT THE FOLLOWING INLET LOCATIONS:

1. STA. 23+81.24 LT
2. STA. 23+80.83 RT
3. STA. 40+89.00 LT
4. STA. 41+00.00 RT

LEGEND:

- o- SILT FENCE
- o- TURBIDITY FENCE
- [Hatched Box] INLET PROTECTION

R.J.Behar & Company, Inc.
Engineers • Planners



CERTIFICATE OF AUTHORIZATION
0000000000
www.rjbehar.com

DESIGN OFFICE LOCATION: 6801 SW 108TH AVE., SUITE 302, PEMBROKE PINES, FL 33024, PH: 954-480-7771, FAX: 954-480-7781

SW 36th AVENUE
PEDESTRIAN IMPROVEMENTS
FROM NORTH OF MCNAB ROAD
TO PALM AIRE DRIVE
CONTRACT PLANS



RJD Proj. No: 13071

Date: 11-16-2015

DESIGN: YM DRAWN: MJU CHECK: JR

REVISIONS:

SHEET NAME:

STORMWATER
POLLUTION
PREVENTION
PLAN NOTES

SWPPP-1

SHEET 10 OF 10

12/4/15

JAVIER RODRIGUEZ, P.E. DATE
LIC# 9830 NO. 4224

GENERAL NOTES

ALL WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE MOST RECENT EDITION OF THE FLORIDA BUILDING CODE, CITY LABOR LAWS, CITY ORDINANCES, CITY/COUNTY ZONING CODES, RULES AND REGULATIONS, AND ANY APPLICABLE CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS TO CARRY OUT THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS. CONSULT THESE DOCUMENTS FOR SLEEVES, DEPRESSIONS AND ANY OTHER DETAIL NOT SHOWN ON THE STRUCTURAL DOCUMENTS.

ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

CONTRACTOR(S) SHALL FAMILIARIZE HIMSELF/HIMSELVES WITH ALL THE EXISTING CONDITIONS AT THE SITE RELATIVE TO SCOPE OF WORK RELATING TO THIS PROJECT, MATERIALS HANDLING, STORAGE AND DELIVERY, WORKING SPACE AVAILABLE, SAFETY PRECAUTIONS REQUIRED, AND ALL OTHER CONDITIONS NECESSARY TO THE MAKING OF AN ACCURATE AND COMPLETE PROJECT BID. NO INCREASE IN PROJECT COST WILL BE ALLOWED FOR FAILURE OF THE CONTRACTOR TO KNOW EXISTING SITE CONDITIONS.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER IS COMPLETED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE PROCEDURES AND SEQUENCING TO ENSURE SAFETY OF THE DECK AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.

DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. ANY DIMENSIONS NOT INDICATED ON DRAWINGS SHALL BE CONFIRMED WITH ENGINEER PRIOR TO CONSTRUCTION.

NO WORK SHALL BE PERFORMED OUTSIDE THE PROJECT LIMITS WITHOUT PRIOR WRITTEN APPROVAL FROM THE BUILDING OWNER AND/OR ENGINEER.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AS REQUIRED FOR COMPLETION OF WORK.

MATERIALS SHALL BE NEW, OF QUALITY SPECIFIED, DELIVERED IN A TIMELY FASHION AND AMPLE QUANTITY TO PREVENT DELAY OF WORK. SUBSTITUTIONS REQUIRE PRIOR APPROVAL FROM ENGINEER.

THERE ARE NO SUBSTITUTIONS ALLOWED UNLESS APPROVED BY THE ENGINEER. THE G.C. SHALL SUBMIT IN WRITING ALL REQUESTS FOR SUBSTITUTIONS.

THE G.C. SHALL SUBMIT IN WRITING TO THE ENGINEER PRIOR TO INSTALLATION, IF ANY UNFORESEEN CONDITIONS AFFECTING INSTALLATION ACCORDING TO SPECIFICATIONS.

ALL PLAN DETAILS AND WALL SECTIONS ARE ASSUMED TO BE TYPICAL CONDITIONS UNLESS DETAILED OR NOTED OTHERWISE.

STANDARDS

THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- A FLORIDA DEPARTMENT OF TRANSPORTATION, 2014 DESIGN STANDARD AND REVISED INDEX.
- B FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARDS SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2014 EDITION.

DESIGN LOADS

THE STRUCTURAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE LATEST EDITION, (2012).

DESIGN CRITERIA

ALL WORK SHALL CONFORM WITH THE MINIMUM STANDARDS AS SPECIFIED IN THE FLORIDA BUILDING CODE LATEST EDITION AND ASCE 7-10.

45 PSF ACTIVE EARTH PRESSURE

SPECIAL INSPECTIONS SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED TO PERFORM INSPECTIONS UNDER FLORIDA THRESHOLD LAW OR HIS QUALIFIED FULL-TIME EMPLOYEE.

SHOP DRAWING REVIEW

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.

ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

IN ALL INSTANCES THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER OF RECORD.

REPRODUCTION OF STRUCTURAL DRAWINGS FOR USE AS SHOP DRAWINGS IS NOT PERMITTED.

ALL CHANGES AND ADDITIONS MADE ON RE-SUBMITTAL MUST BE CLEARLY FLAGGED AND NOTED THE PURPOSE OF THE RE-SUBMITTAL MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT/ENGINEER REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL.

SHOP DRAWINGS REQUIRED ENGINEERING INPUT BY SPECIALTY ENGINEER

THE FOLLOWING SYSTEM AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS WITH INPUT BY A SPECIALTY ENGINEER:

- STRUCTURAL PRECAST PILES
- STRUCTURAL PRECAST PANELS

SUBMITTAL SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCT WILL NOT BE ACCEPTED.

SHOP DRAWING AND CALCULATIONS MUST BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE SPECIALTY ENGINEER.

SHOP DRAWINGS AND CALCULATIONS REQUIRE THE IMPRESSED SEAL, DATE AND SIGNATURE OF THE SPECIALTY ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE SPECIALTY ENGINEER AS AN INDICATION THAT HE/SHE HAS ACCEPTED RESPONSIBILITY FOR THE RESULT.

DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION, (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS), AND REQUIRING NO ENGINEERING INPUT DO NOT REQUIRE THE SEAL OF A SPECIALTY ENGINEER.

REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTAL IS LIMITED TO VERIFY THE FOLLOWING:

- THAT THE SPECIFIED STRUCTURAL SUBMITTAL HAVE BEEN FURNISHED.
- THAT THE STRUCTURAL SUBMITTAL HAVE BEEN SIGNED AND SEALED BY THE SPECIALTY ENGINEER.
- THAT THE SPECIALTY ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AS HAS USED THE SPECIFIED STRUCTURAL CRITERIA. (NO DETAIL CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.)
- THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTAL IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAIL CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.)

SUBMITTAL NOT MEETING THE ABOVE REFERENCED CRITERIA WILL NOT BE REVIEWED

REINFORCING STEEL

SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. SECURE APPROVAL OF SHOP DRAWINGS PRIOR COMMENCING ANY FABRICATION.

EMBEDDED ITEMS IN CONCRETE

EMBEDDED ITEMS INCLUDING BUT NOT LIMITED TO STEEL PLATES FOR CONNECTIONS, WATER STOPS, DOVETAIL SLOTS FOR MASONRY ANCHORS, INSERTS FOR GLASS DOOR AND RAILS, DOWNSPOUT PIPES IN COLUMNS SHALL BE COORDINATED BY THE CONTRACTOR IN A TIMELY MANNER. ALL EMBEDDED STEEL PLATES FOR THE CONNECTION OF WALL FRAMING, ROOF FRAMING AND MISCELLANEOUS STEEL SHALL BE COORDINATED WITH WALL PANEL JOINTS AND OPENINGS. SUBMIT SHOP DRAWINGS AND OBTAIN ENGINEER APPROVAL PRIOR CONCRETE PLACEMENT.

CONCRETE

SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:
 6,000 PSI FOR PILES WATER TO CEMENT RATIO BY WEIGHT SHALL NOT EXCEED 0.50
 4,000 PSI FOR WALL PANELS; WATER TO CEMENT RATIO BY WEIGHT SHALL NOT EXCEED 0.60.
 4,000 PSI FOR ALL OTHER STRUCTURAL CONCRETE; WATER TO CEMENT RATIO BY WEIGHT SHALL NOT EXCEED 0.50

CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND FDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDERS OR LAB TEST FOR REVIEW PRIOR TO USE. MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION. MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE AGGREGATE. CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ASTM STANDARDS C94 FOR MEASURING, MIXING, TRANSPORTING, ETC.

CONCRETE TICKETS SHALL BE TIME STAMPED WITH CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ON AND ONE HALF, (1 1/2), HOURS. IF FOR ANY REASON THERE IS A LONGER DELAY THAN THAT STATED ABOVE, THE CONCRETES SHALL BE DISCARDED, IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE THE THE ABOVE.

ALL SLABS SHALL BE CURED USING A DISSIPATING CURING COMPOUND MEETING ASTM STANDARD C309 TYPE 1 AND SHALL HAVE A FUGITIVE DYE. THE COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED OR AS SOON AS THE WATER HAS LEFT THE UNFINISHED CONCRETE ALL SCUFFED OR BROKEN AREAS IN THE CURING MEMBRANE SHALL BE RECOATED DAILY.

ALL CONCRETE SHALL HAVE MID-RANGE WATER REDUCING ADMIXTURE CONFORMING TO ASTM C494 TYPE A. ADMIXTURES CONTAINING CHLORIDE IONS MORE THAN 0.05 PERCENT BY WEIGHT IN THE ADMIXTURE SHALL NOT BE USED. OTHER ADMIXTURES SHALL BE APPROVED BY THE ENGINEER OF RECORD. AIR-ENTRAINING ADMIXTURES SHALL NOT BE USED IN STRUCTURAL CONCRETE.

ALL CONCRETE MIX DESIGN DESIGNS SHALL INCLUDE A WRITTEN DESCRIPTION INDICATING WHERE EACH PARTICULAR MIX IS TO BE PLACED WITHIN THE STRUCTURE.

ALL CONCRETE DESIGN MIX SUBMITTAL SHALL INCLUDE TESTED, STATISTICAL BACK-UP DATA AS PER CHAPTER 5 OF ACI 318.

CONCRETE TESTING

AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TEST ON CAST IN PLACE CONCRETE: ASTM C143 - "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE". MAXIMUM SLUMP SHALL BE 4" INCHES. CONCRETE CONTAINING MID-RANGE WATER REDUCED SHALL HAVE A MAXIMUM SLUMP OF 7.5 INCHES.

ASTM C39 - "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS, OR FRACTION THEREOF, PLACED PER DAY. REQUIRED CYLINDERS QUANTITIES AND TEST AGE AS FOLLOWS:

- 1 AT 7 DAYS
- 2 AT 28 DAYS

ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED, IF 28 DAY STRENGTH IS ARCHIVED, THE CYLINDER MAY BE DISCARDED.

PENETRATION

NO PENETRATING SHALL BE MADE IN ANY STRUCTURAL MEMBERS OTHER THAN THOSE LOCATED ON THESE DRAWINGS WITHOUT PREVIOUS APPROVAL OF THE ENGINEER.

CHEMICAL ANCHORS

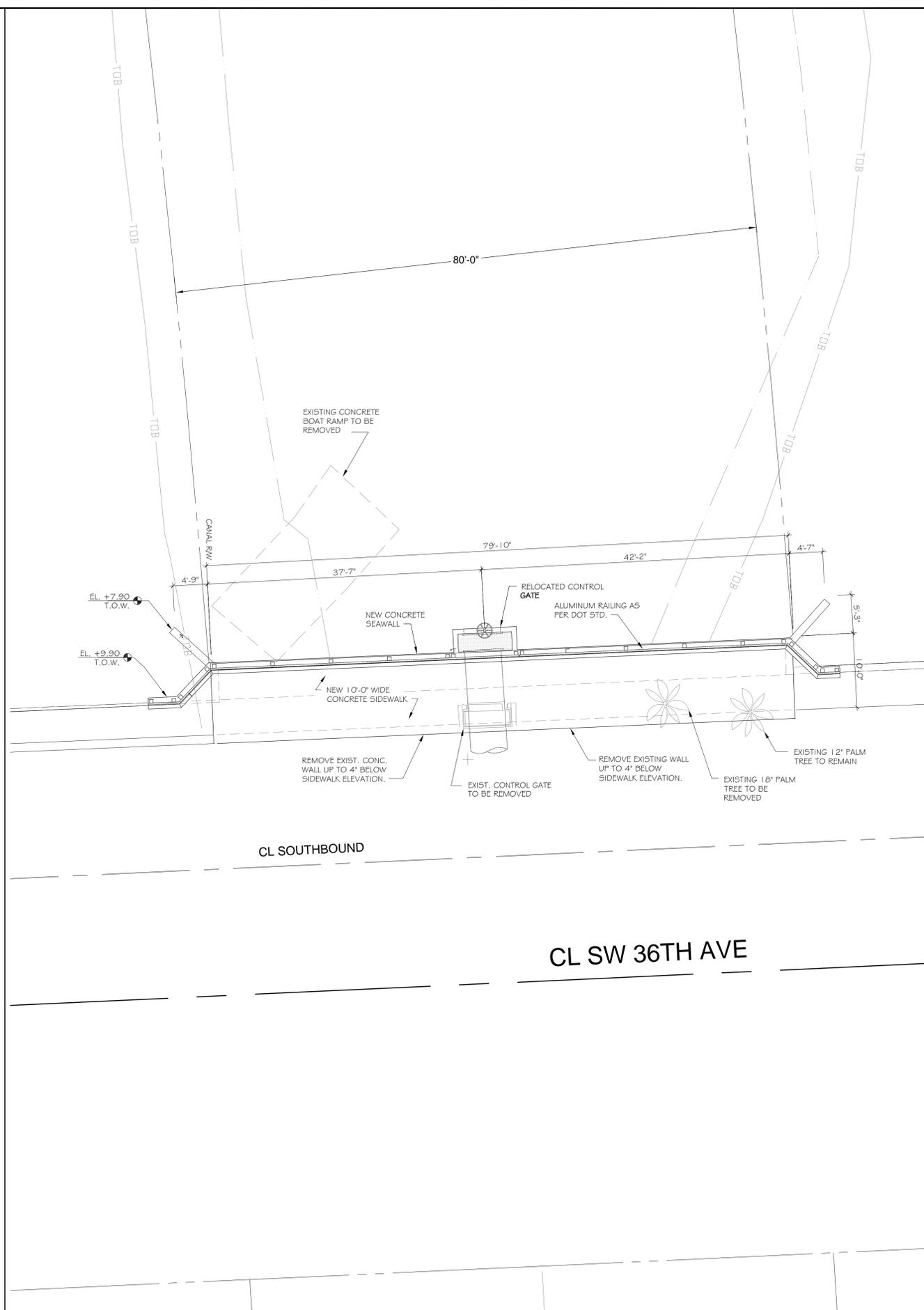
SHALL BE TWO PART EPOXY POLYMER INJECTION SYSTEM, SUCH AS RAMSET EPOCON, RAWL "FOIL-FAST" CARTRIDGE SYSTEM, DUR-O-WALL "DUR-O-PAIR" EPOXY ANCHOR, OR HILTI HSE241 I EPOXY DOWELING SYSTEM, OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. INSTALLERS SHALL BE TRAINED BY THE MANUFACTURERS REPRESENTATIVE.

FOUNDATION

WATER CONTROL STRUCTURE FOUNDATION DESIGN FOR SAFE BEARING CAPACITY OF 2500 PSF

BOAT RAMP FOUNDATION DESIGN FOR 25 TON CAPACITY OF PRECAST 16x16 PILE

FOR ADDITIONAL INFORMATION, REFER TO TIERRA GEOTECHNICAL REPORT DATED 12-04-15.



1
S-1

GENERAL NOTES
NTS

2
S-1

RAMP LAYOUT LOCATION
NTS



LAKDAS/YOHALEM ENGINEERING, INC.
CONSULTING ENGINEERS
2211 NORTHEAST 54TH STREET
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(954)771-0630 FAX:(954)771-0519
e-mail: lye@lyengineering.com
FL LIC.: CA-5458



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PERMIT SET

Revisions:

Number	Description

Drawing Title:
SITE PLAN AND NOTES

Project Name:
SW 36th Avenue Headwall and Pedestrian Path Pompano Beach, Florida

Job Number: 136908
Scale: AS NOTED
Date: 12-08-15
Drawn: S.Q.
Checked: L.N.
Drawing Number:

S-1



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PERMIT SET

Revisions:

Number	Description

Drawing Title:

SITE PLAN

Project Name:

**SW 36th Avenue
Headwall and Pedestrian
Path
Pompano Beach, Florida**

Job Number: 136908

Scale: AS NOTED

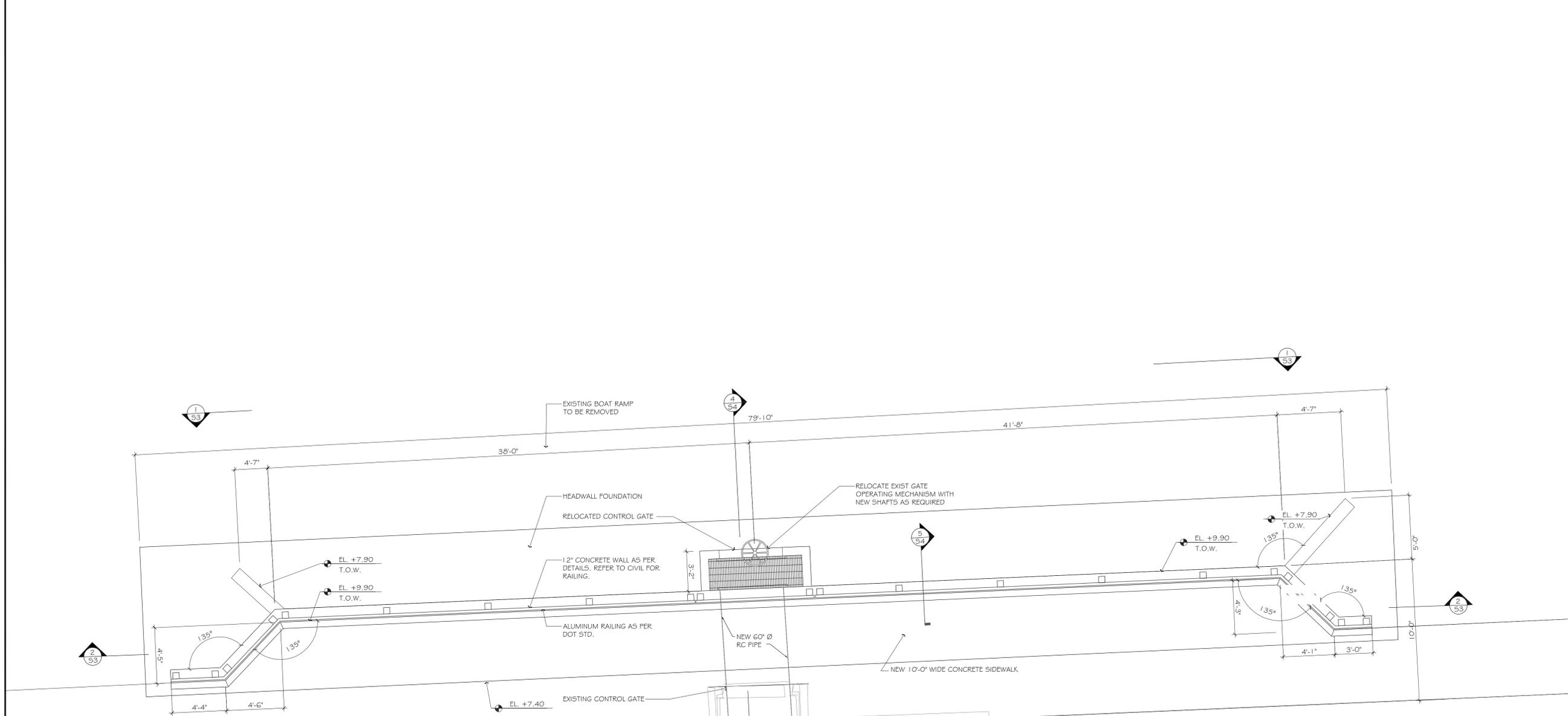
Date: 12-08-15

Drawn: S.Q.

Checked: L.N.

Drawing Number:

S-2



QUANTITIES

PAY ITEM No.	DESCRIPTIONS	UNIT	QTY.	TOTAL
400-1-11	CONCRETE CLASS IV, RETAINING WALL	CY	48	
400-4-11	CONCRETE CLASS IV, PRECAST BOX	CY	14	
521-8-1	CONCRETE BARRIER TYPE F, 32"	LF	100	
460-70-2	ALUM. BULLET RAILING (DOUBLE)	LF	100	
536-1-2	GUARDRAIL (RAILING + HINGE)	LF	8	
-	ALUMINUM GRATING	SF	17	





LAKDASYOHALEM ENGINEERING, INC.
CONSULTING ENGINEERS
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e-mail: lye@lyengineering.com
FL LIC.: CA-5458



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PERMIT SET

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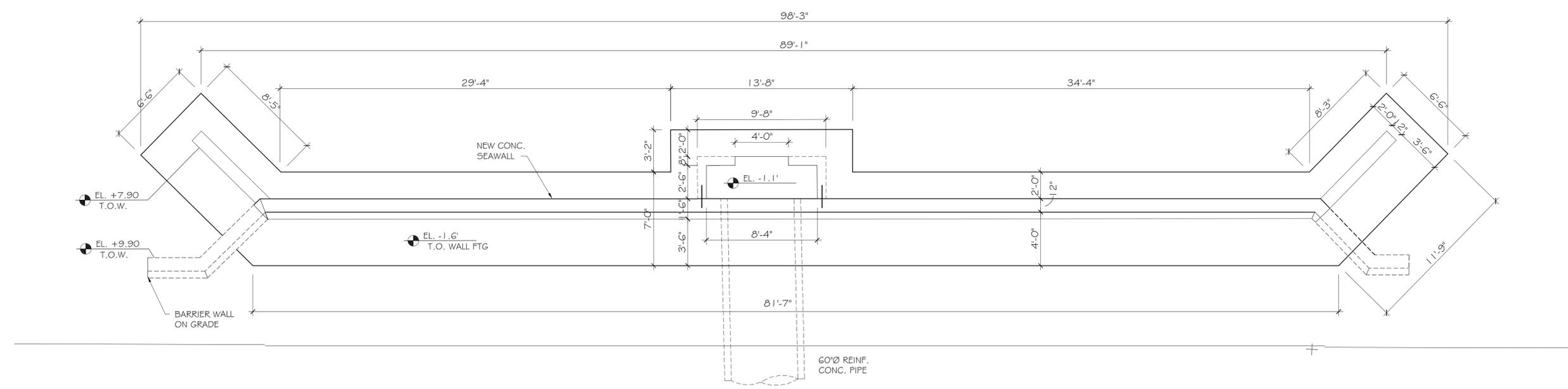
Number	Description

Drawing Title:
PLAN VIEW / FOUNDATION PLAN

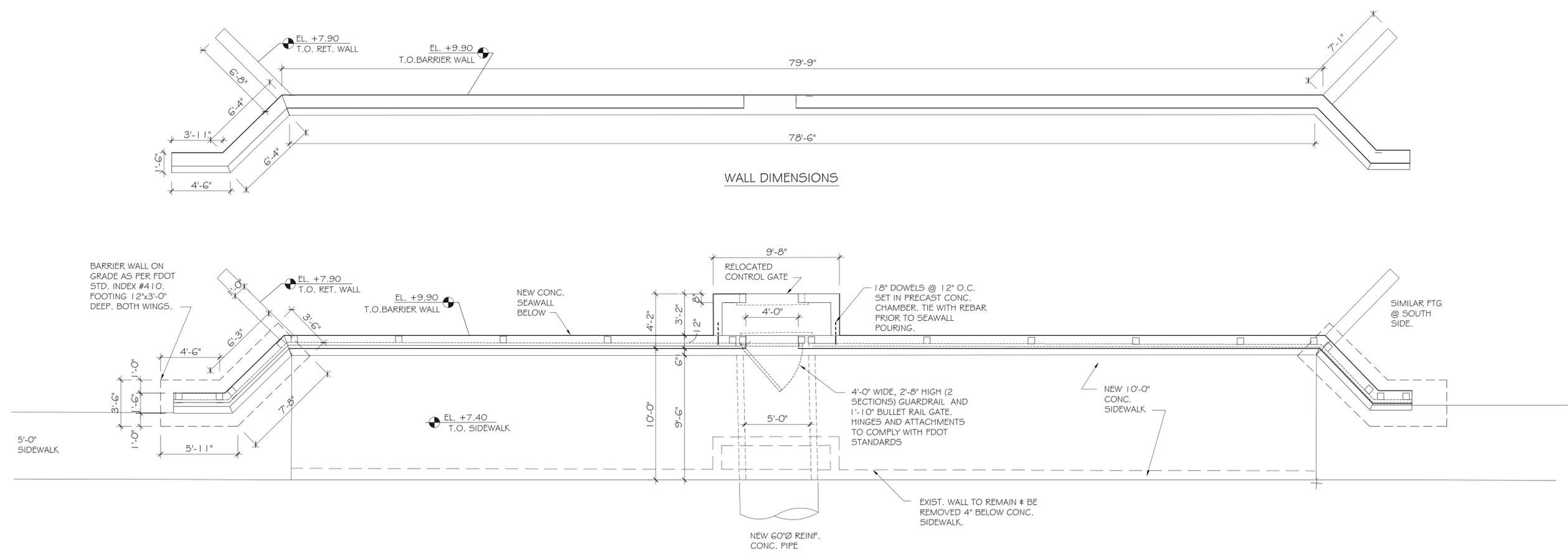
Project Name:
SW 36th Avenue Headwall and Pedestrian Path Pompano Beach, Florida

Job Number: 136908
Scale: AS NOTED
Date: 12-08-15
Drawn: S.Q.
Checked: L.N.
Drawing Number:

S-3



2
S-2
FOUNDATION PLAN
SCALE: 3/4"=1'-0"



1
S-2
PLAN VIEW
SCALE: 3/4"=1'-0"



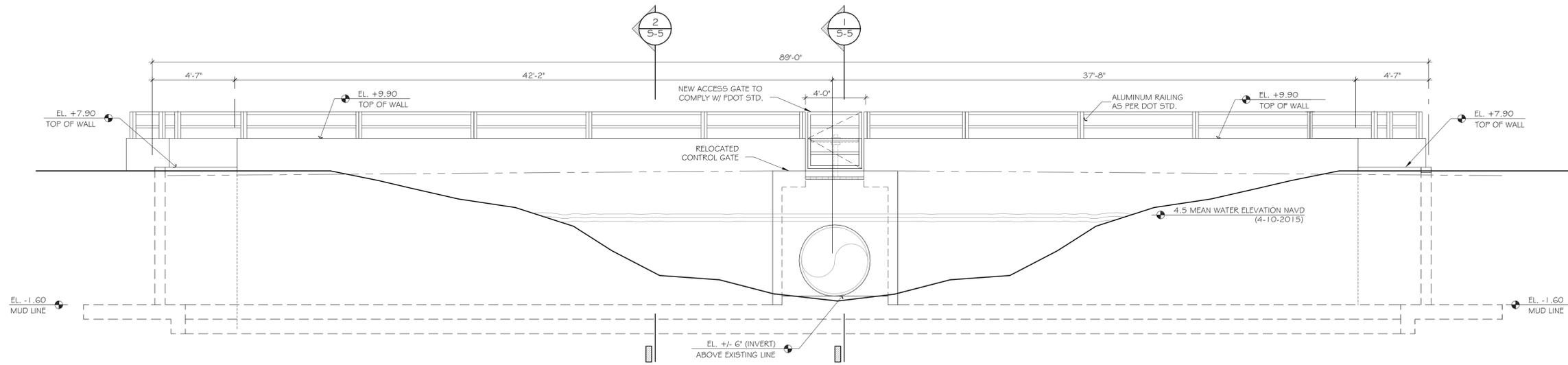


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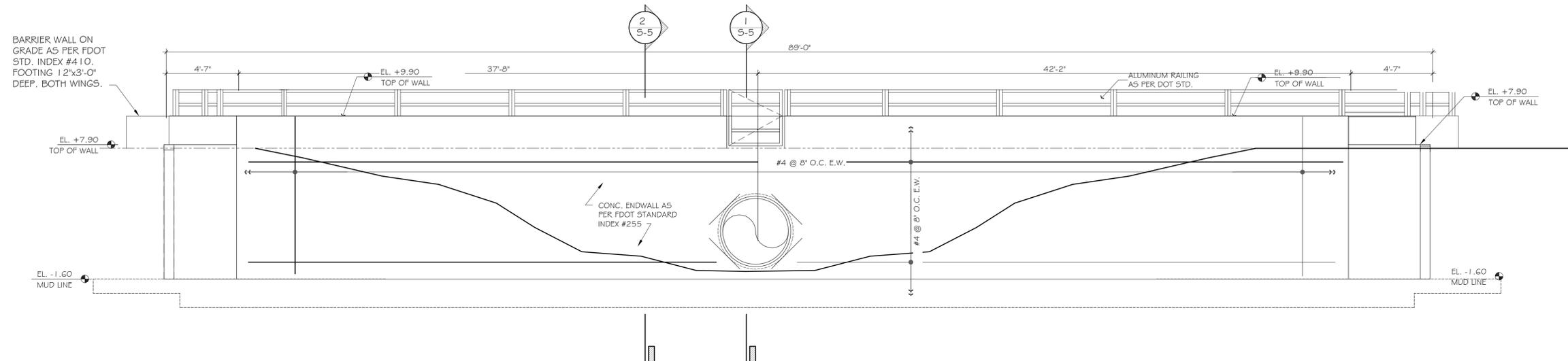


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2
PARTIAL WALL ELEVATION
S-2 SCALE: 3/4"=1'-0"



1
PARTIAL WALL ELEVATION
S-4 SCALE: 3/4"=1'-0"

PERMIT SET

Revisions:

Number	Description

Drawing Title:
PARTIAL WALL ELEVATIONS

Project Name:
**SW 36th Avenue
Headwall and Pedestrian
Path
Pompano Beach, Florida**

Job Number: 136908
Scale: AS NOTED
Date: 12-08-15
Drawn: S.O.
Checked: L.N.
Drawing Number:

S-4



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PERMIT SET

Revisions:

Number	Description

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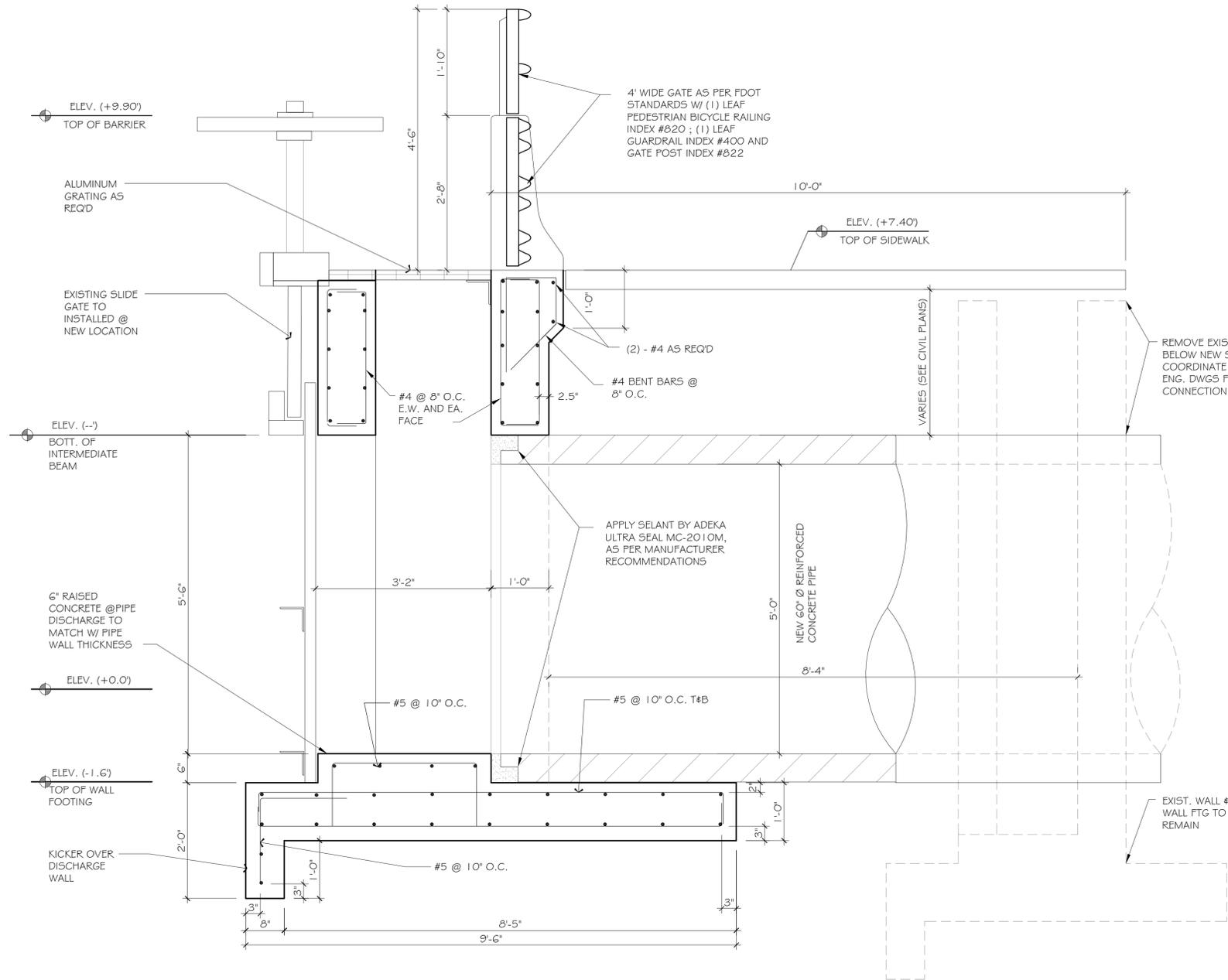
SECTIONS

Project Name:

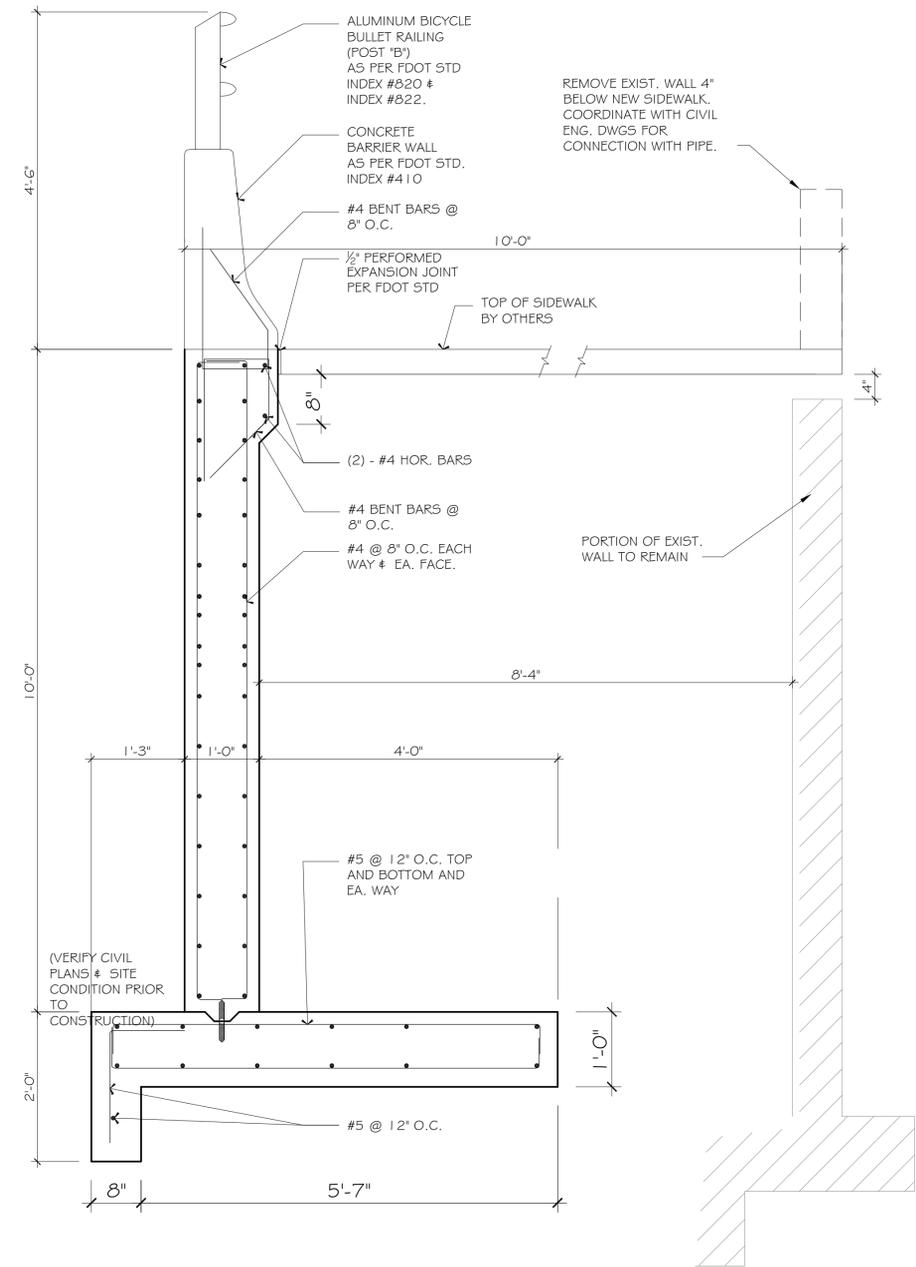
**SW 36th Avenue
Headwall and Pedestrian Path
Pompano Beach, Florida**

Job Number:	136908
Scale:	AS NOTED
Date:	12-08-15
Drawn:	S.Q.
Checked:	L.N.
Drawing Number:	

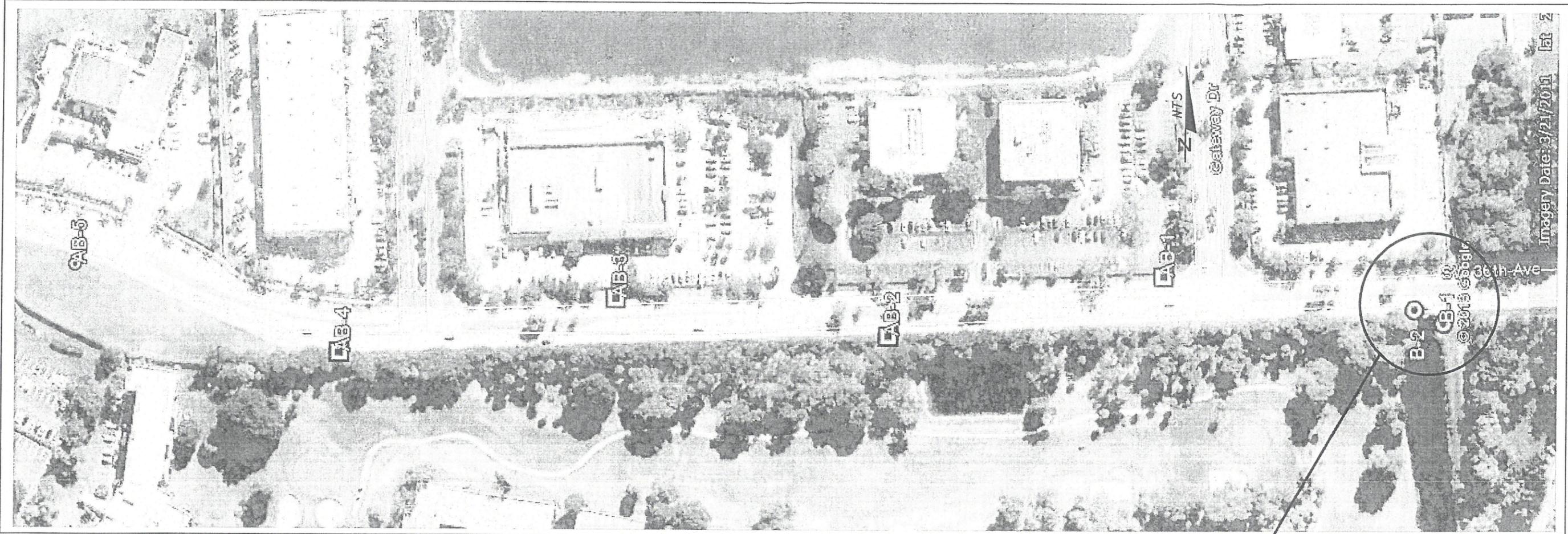
S-5



1
SECTION THRU CONTROL GATE
SCALE :1"=1'-0"



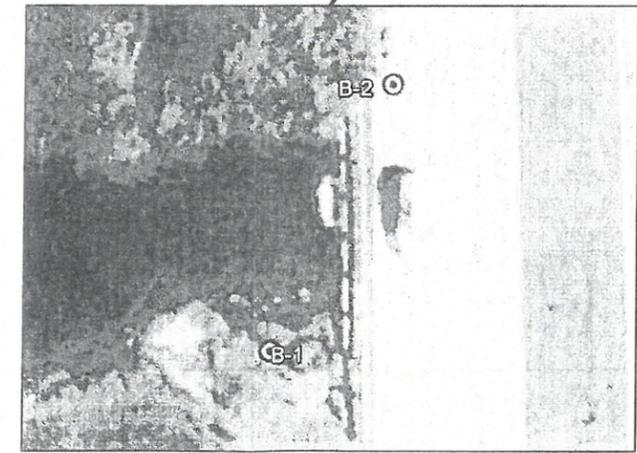
2
SECTION THRU SEAWALL
SCALE :1"=1'-0"



Imagery Date: 3/21/2011 lat 2

BORING LOCATION PLAN

- Approximate Location of SPT Boring
- Approximate Location of Roadway Boring



DRAWN BY:
NG
CHECKED BY:
JO

APPROVED BY:
RK
DATE:
12/3/2013

ENGINEER OF RECORD:
 RAJ KRISHNASAMY, P.E.
 P.E. LICENSE NUMBER 53567
 TIERRA SOUTH FLORIDA
 2765 VISTA PARKWAY, S-10
 WEST PALM BEACH, FL 33411
 CERTIFICATE OF AUTHORIZATION 28073

SCALE:
NTS

PROJECT NUMBER:
7111-13-359

GEOTECHNICAL ENGINEERING SERVICES
 SW 36TH AVENUE
 PEDESTRIAN BRIDGE AND PATH
 POMPANO BEACH, FLORIDA AND PATH

SHEET 1

BOR # B-1
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45

BOR # B-2
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45

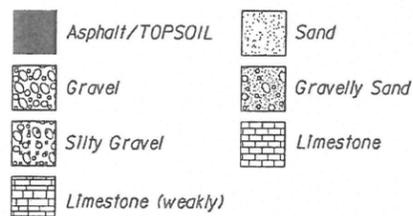
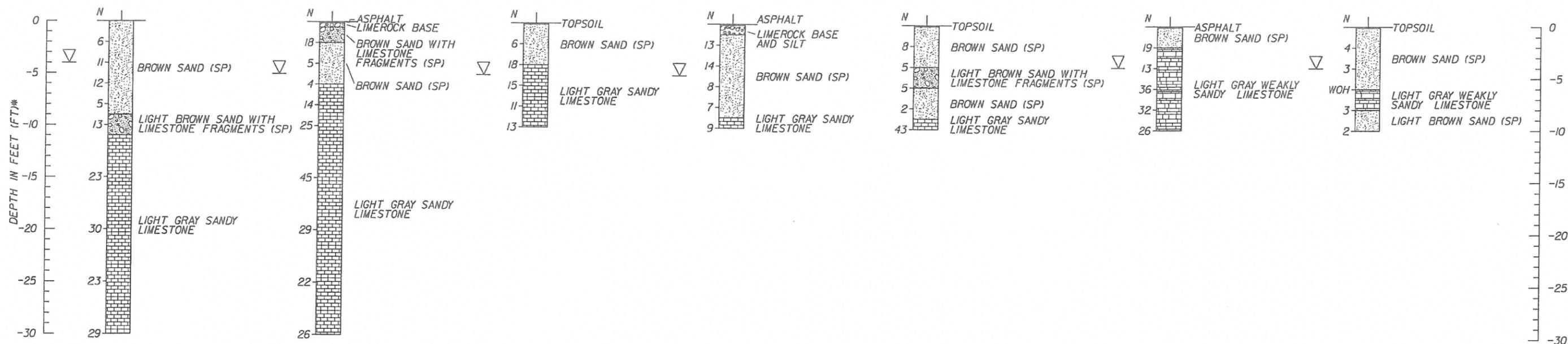
BOR # AB-1
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45

BOR # AB-2
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45

BOR # AB-3
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45

BOR # AB-4
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45

BOR # AB-5
 ELEV. 0
 DATE 11/26/2013
 HAMMER Auto
 RIG CME-45



NOTES
 ▽ ENCOUNTERED GROUNDWATER TABLE
 N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION AND THEY WERE
 * DENOTES DEPTH IN FEET FROM EXISTING GROUND SURFACE

DRAWN BY: NG
 CHECKED BY: JO
 APPROVED BY: RK
 DATE: 12/3/2013

ENGINEER OF RECORD: RAJ KRISHNASAMY, P.E.
 P.E. LICENSE NUMBER 53567
 TIERRA SOUTH FLORIDA
 2765 VISTA PARKWAY, S-10
 WEST PALM BEACH, FL 33411
 CERTIFICATE OF AUTHORIZATION 28073

SCALE: NTS
 PROJECT NUMBER: 7111-13-359

GEOTECHNICAL ENGINEERING SERVICES
 SW 36TH AVENUE
 PEDESTRIAN BRIDGE AND PATH
 POMPANO BEACH, FLORIDA

SHEET 2