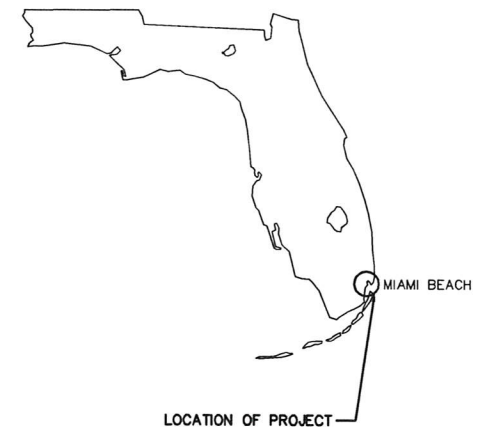


# MIAMI BEACH

## CAPITAL IMPROVEMENTS PROJECT

10C FLAMINGO PARK  
ESPANOLA WAY IMPROVEMENTS FROM  
WASHINGTON AVE. TO DREXEL AVE.  
FEBRUARY 22, 2016 HS-2015B  
60% HARDSCAPE/LANDSCAPE SUBMITTAL



### CITY OF MIAMI BEACH

MAYOR: PHILIP LEVINE

COMMISSIONERS: JOHN ELIZABETH ALEMÁN  
RICKY ARRIOLA  
KRISTEN ROSEN GONZALEZ  
MICHAEL GRIECO  
JOY MALAKOFF  
MICKY STEINBERG

CITY MANAGER: JIMMY L. MORALES  
CITY ATTORNEY: RAUL J. AGUILA  
PUBLIC WORKS DIRECTOR: ERIC T. CARPENTER, P.E.  
CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E.  
CIP DIRECTOR: DAVID MARTINEZ P.E.



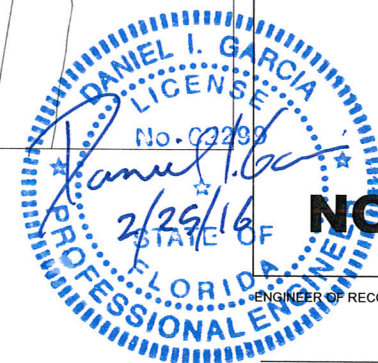
Gables Corporate Plaza  
2100 Ponce De Leon Blvd, Suite 970  
Coral Gables, FL 33134  
(888) 499-9624  
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LOCATION MAP

### INDEX OF DRAWING

SHEET	DRAWING	DESCRIPTION
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2	G-02	GENERAL NOTES
3	EC-01	EXISTING CONDITIONS
4	EC-02	EXISTING CONDITIONS
5	EC-03	CROSS SECTION PROFILE
6	HS-01	PHASE I HARDSCAPE/ LANDSCAPE PLAN
7	HS-02	PHASE I HARDSCAPE/ LANDSCAPE PLAN
8	HS-03	PHASE II HARDSCAPE/LANDSCAPE PLAN
9	HS-04	TYPICAL SECTIONS
10	HS-05	STANDARD DETAILS
11	HS-06	STANDARD DETAILS
12	HS-07	ENTRY SIGN ELEVATION
13	HS-08	HARDSCAPE DETAILS
14	HS-09	HARDSCAPE DETAILS



**NOT FOR CONSTRUCTION**

ENGINEER OF RECORD:


Daniel I Garcia, PE  
No. 62299

Work Order xxxxx Sheet 1 of 14 Drawing G-01




GENERAL NOTES:

1. ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. ALL MATERIALS AND CONSTRUCTION UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT.
3. THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY DISCREPANCY OR VARIATION FROM THE APPROVED DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES AND IMPROVEMENTS FROM DAMAGE, DISRUPTION OF SERVICE, OR DESTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING NECESSARY MEASURES TO PROTECT THE HEALTH, SAFETY, AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
5. THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON SITE. THE PLANS ARE TO BE MADE AVAILABLE TO THE ENGINEERING INSPECTOR OF THE CITY OF MIAMI BEACH OR HIS DESIGNEE UPON REQUEST.
6. THE CONTRACTOR SHALL PROVIDE ACCESS AND ASSISTANCE TO THE CITY ENGINEER OR HIS DESIGNEE TO MAKE INSPECTIONS, AS NECESSARY, DURING CONSTRUCTION.
7. NO DEVIATION FROM APPROVED PLANS SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE CITY ENGINEER OR HIS DESIGNEE.
8. CONTRACTOR MUST CALL CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT TO OBTAIN A RIGHT OF WAY PERMIT AND ARRANGE A PRE-CONSTRUCTION MEETING 48 HOURS PRIOR TO START OF CONSTRUCTION.
9. ENGINEERING PERSONNEL WILL INSPECT ALL FACILITIES APPROVED BY THEIR OFFICE. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCIES SHALL BE IN ACCORDANCE WITH THEIR STANDARDS.
10. TRENCH EXCAVATIONS IN EXCESS OF 5 FEET DEEP SHALL COMPLY WITH THE TRENCH SAFETY ACT AS PER O.S.H.A. STANDARD 29 CFR 1926.650 SUBPART P IN STATUTES. THE TRENCHES AND DITCHES SHALL BE PROTECTED IN ACCORDANCE WITH RULE 38c 43.02 FAC AND 6A-1.095(2).
11. ERECTION OR INSTALLATION OF APPROPRIATE SAFETY AND WARNING DEVICES SHALL BE REQUIRED DURING THE COURSE OF CONSTRUCTION. SAID DEVICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "MANUAL ON TRAFFIC CONTROL AND SAFETY PRACTICES" AND THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.
12. PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONGSIDE OF AND OVER ALL UTILITIES. THE CITY ENGINEER REQUIRES THAT COMPACTION TESTS BE TAKEN TO VERIFY BACKFILL COMPACTION. THE COST OF SUCH COMPACTION TESTS WILL BE BORNE BY THE CITY. THE RETESTING COST, DUE TO FAILURE OF THE COMPACTION TEST, WILL BE PAID BY THE CONTRACTOR.
13. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED BY THE CITY OF MIAMI BEACH, PUBLIC WORKS DEPARTMENT.  
A. CONTRACTOR'S, SUBCONTRACTOR'S AND SUPPLIER'S WAIVER AND RELEASE OF LIEN.  
B. CONTRACTOR'S LETTER OF WARRANTY (I.E. LETTER OF AGREEMENT).  
C. "AS BUILT" - FOUR (4) ORIGINALS 22"x34" & 11"x17" SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR SHOWING SPECIFIC LOCATION, DEPTH, ETC. OF ALL CITY FACILITIES TOGETHER WITH A DIGITAL COPY IN AUTOCAD LAST VERSION 2011 OF THE "AS-BUILT" DRAWINGS USING STATE PLANE FLORIDA EAST FIPS 0901 FEET MAP 1983 (FEET).
14. THESE PLANS ARE PREPARED FROM UTILITY INFORMATION OF PREVIOUS AND RECENT AVAILABLE RECORDS. THE DESIGNER IS NOT LIABLE FOR ANY UTILITY CONFLICTS AND UNKNOWN THAT ARE DISCOVERED DURING CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES. IN CASE THAT A CONFLICT ARISES, THE ENGINEER OF RECORDS OR HIS DESIGNEE SHALL BE INFORMED TO MAKE THE APPROPRIATE DESIGN CHANGES.

	APPROVED 12/20/08	REVISED 01/05/2010 03/15/2011 05/17/2014	TITLE General Notes	GN1a
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GENERAL NOTES:

15. FOR SPECIFICATIONS, PLEASE REFER TO THE CITY OF MIAMI BEACH PUBLIC WORKS MANUAL.
16. DUE TO SOIL CONDITIONS, HIGH WATER TABLE AND PROTECTION OF ROADWAY, UTILITIES AND EXISTING LANDSCAPING, SHORING WILL BE REQUIRED FOR TRENCH AND STRUCTURE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THE PROPOSED METHOD OF CONSTRUCTION TO THE ENGINEER FOR APPROVAL AT THE PRECONSTRUCTION MEETING. THE COST OF SHORING WILL BE INCLUDED IN THE COSTS OF STRUCTURE AND PIPES. DEWATERING MAY BE REQUIRED AND SHALL BE INCLUDED IN THE COSTS OF STRUCTURES AND PIPES.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TURBIDITY BARRIER AT ALL OUTFALLS SUBJECT TO POTENTIAL DISCHARGE DURING CONSTRUCTION. SEE FOOT INDEX NO 104. CONTRACTOR SHALL BE RESPONSIBLE FOR FULL KNOWLEDGE OF ALL APPLICABLE REGULATORY REQUIREMENTS AND CORRECT ANY SILTATION OR OTHER DAMAGE TO THE DRAINAGE SYSTEM.
18. CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH ALL STATE, COUNTY AND LOCAL REQUIREMENTS.
19. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT STANDARD INDEXES (600 SERIES), AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND ALL OTHER STATE, COUNTY AND LOCAL REQUIREMENTS.
20. WHEN POWER POLES ARE ADJACENT TO ANY PROPOSED UTILITY, THE CONTRACTOR SHALL PROVIDE PROPER SHORING OR OTHER SUITABLE SUPPORT DURING CONSTRUCTION. THE SHORING AND SUPPORT METHODS SHALL BE APPROVED BY THE UTILITY COMPANY ENGINEERING DEPARTMENT.
21. ALL DEFECTIVE WORK NOT ACCEPTED BY THE CITY ENGINEER OR HIS DESIGNEE, OR BY ANY GOVERNMENT PERMITTING AGENCY SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
22. CONTRACTOR SHALL CONTACT PWD TO INSPECT METERS AND BOXES AHEAD OF CONSTRUCTION TO DETERMINE WHETHER REPLACEMENT IS NECESSARY.
23. ELEVATIONS ARE REFERRED TO NAVD 88, BASED ON A \_\_\_\_\_ BENCH MARK  
NO. \_\_\_\_\_ ELEVATION: \_\_\_\_\_ (NGV DATUM) = \_\_\_\_\_ (NAVD 88) LOCATOR: \_\_\_\_\_  
NAME: \_\_\_\_\_ ELEVATION: \_\_\_\_\_  
LOCATED AT: \_\_\_\_\_
24. PROVIDE RESTRAINING BY THE USE OF FIELD LOCK GASKET ON TYTON JOINT PIPE AND AS MANUFACTURED BY U.S. PIPE OR EQUAL.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UNINTERRUPTED WATER SERVICE DURING THE CONSTRUCTION OF THE PIE-IN CONNECTION OF ALL PROPOSED WATER SYSTEMS TO ANY EXISTING WATER SERVICE LINES. ABANDONMENT SHALL NOT OCCUR UNTIL THE PROPOSED WORK HAS BEEN APPROVED AND ACCEPTED FOR OPERATION BY THE ENGINEER OF RECORD AND THE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT, WATER DIVISION. CONTRACTOR SHALL REQUEST FROM CMB 48 HOURS PRIOR FOR WATER MAIN SHUTDOWN.
26. ALL WATER METER BOXES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH CITY ISSUED WATER METER BOXES AND PAID FOR BY CONTRACTOR.
27. ALL PROPOSED WATER METERS SHOULD BE A MINIMUM OF A 2-INCH SERVICE.
28. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE ACTUAL NUMBER OF EXISTING WATER SERVICES TO BE CONNECTED TO THE PROPOSED WATER MAIN.
29. ALL DUCTILE IRON PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C 600 LATEST REVISIONS WITH A DETECTOR TAPE. DETECTOR TAPE SHALL BE 3" WIDE BLUE TAPE FOR WATER MAIN WITH A METALLIC FOIL CORE LAMINATED BETWEEN TWO LAYERS OF PLASTIC FILM. THE WORKS CAUTION WATER LINE BURIED BELOW ON THE UPPER SIDE OF THE PIPE SHALL BE PRINTED AT 30' INTERVALS ALONG THE TAPE. TAPE SHALL BE PLACED 18" BELOW GRADE ABOVE ALL WATER MAINS AND SERVICES OR AS RECOMMENDED BY MANUFACTURER NON-METALLIC TAPE SHALL BE USED ABOVE DUCTILE IRON PIPE.

	APPROVED 12/20/08	REVISED 01/05/2010 03/15/2011 05/17/2014	TITLE General Notes	GN1b
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GENERAL NOTES:

30. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE WITH HRS (DEPT. OF HEALTH) THE WATER SAMPLING AND BACTERIOLOGICAL TESTS AND FINAL CERTIFICATION FROM HRS.
31. TAPPING SLEEVE VALVE TO BE PRESSURE TESTED AT 125 PSI FOR TWO (2) HOURS BEFORE TAPPING.
32. THRUST BLOCK NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. USE MEGALUGS OR CLASS 316 STAINLESS STEEL RESTRAINING RODS.
33. CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING CLAY PIPING.
34. EXISTING FIRE HYDRANTS SHALL REMAIN IN SERVICE UNTIL THE NEW MAIN IS PLACED IN SERVICE. ONCE THE NEW MAIN IS IN SERVICE, THE OLD HYDRANT SHALL BE COVERED AND TAGGED WITH A SIGN INDICATING "OUT OF SERVICE" UNTIL IT IS REMOVED BY THE CONTRACTOR.
35. NPDES BMP FOR SEDIMENTATION AND EROSION WORK MUST BE STRICTLY FOLLOWED DURING AND AFTER CONSTRUCTION.
36. PIPES SHALL BE INSTALLED IN THE DRY.
37. ALL D.I. PIPE SHALL BE THICKNESS CLASS 52 AND SHALL BE POLYWRAPPED AS PER WS7.
38. ALL RELATED HARDWARE FOR RESTRAINING RODS TO BE STAINLESS STEEL CLASS 316.
39. A CONCRETE SLAB SHALL BE INSTALLED OVER ANY PIPE INSTALLED WITH LESS THAN 30" OF COVER AS PER STANDARD DETAIL SES1.
40. ELEVATIONS ON PLANS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
41. THE CONTRACTOR SHALL BE GOVERNED BY THE LATEST APPLICABLE PORTIONS OF THE F.D.O.T. DESIGN STANDARDS, AND THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SUPPLEMENTS THERE TO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
42. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES IN THE PROJECT AREA BEFORE THE START OF CONSTRUCTION. SEE THE UTILITY CONTACT INFORMATION TABLE FOR CONTACT NUMBERS.
43. ANY DAMAGED PUBLIC OR PRIVATE PROPERTY BY THE CONTRACTOR SHALL BE RESTORED TO PREEXISTING CONDITIONS OR BETTER AT NO EXPENSE TO THE OWNER.
44. ALL CONSTRUCTION DEBRIS SHALL BE PROPERLY DISPOSED OF OFFSITE AT THE CONTRACTOR'S EXPENSE.
45. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS LINES.
46. ERECTION OR INSTALLATION OF APPROPRIATE SAFETY AND WARNING DEVICES SHALL BE REQUIRED DURING THE COURSE OF CONSTRUCTION. SAID DEVICES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "MANUAL OF TRAFFIC CONTROL AND SAFETY PRACTICES" AND THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.
47. ALL EXISTING UTILITIES, MAN HOLE COVERS, ELECTRICAL BOXES, VALVE BOXES, METER BOXES, DRAINAGE STRUCTURES, ETC. WITHIN PROPOSED AREAS OF IMPROVEMENTS SHALL BE ADJUSTED TO GRADE ELEVATION, UNLESS OTHERWISE NOTED.
48. CONTRACTOR SHALL REPLACE ALL UTILITY BOXES/COVERS DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL NOTE THE CONDITION OF WATER METER BOXES BEFORE STARTING WORK. IF EXISTING WATER METER BOXES ARE DAMAGED, CONTACT THE CITY OF MIAMI BEACH FOR REPLACEMENT.
49. CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.

	APPROVED 12/20/08	REVISED 01/05/2010 03/15/2011 05/17/2014	TITLE General Notes	GN1c
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GENERAL NOTES:

50. THE COLOR OF THE DETECTABLE WARNINGS ON CONCRETE OF COLORS OTHER THAN MIAMI BEACH RED, COORDINATE WITH THE PUBLIC WORKS DEPARTMENT FOR APPROPRIATE COLOR AND CONTRAST.
51. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE LATEST EDITION OF THE FEDERAL HIGHWAY AND ADMINISTRATION STANDARD HIGHWAY SIGNS.
52. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT WITHOUT JOGS OR OFFSETS.
53. INCORRECTLY PLACED (THERMOPLASTIC OR) PAINT MARKINGS OVER ASPHALT PAVEMENT WILL BE REMOVED BY MILLING AND REPLACING THE ASPHALT PAVEMENT A MINIMUM WIDTH 18 IN. AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.

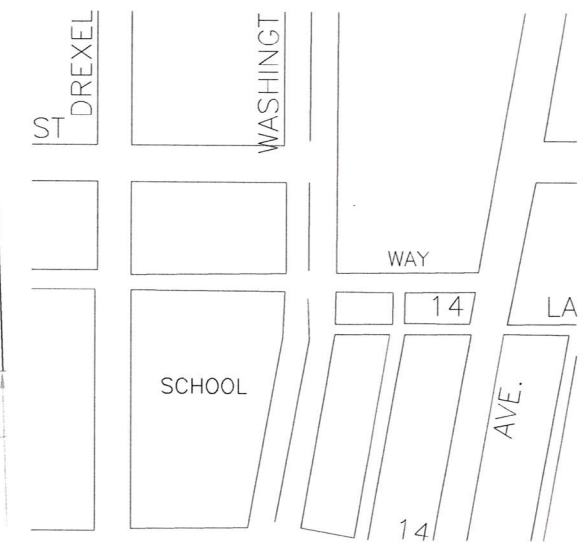
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NOT FOR CONSTRUCTION

	NEIGHBORHOOD: 10C - FLAMINGO PARK ESPANOLA WAY INFRASTRUCTURE IMPROVEMENTS		CITY MANAGER: JIMMY L. MORALES PUBLIC WORKS DIRECTOR: ERIC T. CARPENTER, P.E. CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E. CIP DIRECTOR: DAVID MARTINEZ, P.E.	ENGINEER OF RECORD_HK DESIGN ENGINEER: HK DRAWN BY: DM CHECKER: SCALE: NONE	ENGINEER OF RECORD: Daniel I Garcia, P.E. NO. 62299	<table><tr><td>5</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td></tr><tr><td>1</td><td>02-22-16</td><td>60% HARDSCAPE/LANDSCAPE DESIGN REVIEW</td><td></td></tr><tr><td>NO</td><td>DATE</td><td>REVISION</td><td>APP'D. BY</td></tr></table>	5				4				3				2				1	02-22-16	60% HARDSCAPE/LANDSCAPE DESIGN REVIEW		NO	DATE	REVISION	APP'D. BY	File Name: G---2015B_Cover(EspanolaWay).dwg Survey Reference: Field Book: _____ Page: _____ Work Order: _____ Date: 2/24/16 Sheet: _____ Drawing: G-02
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1	02-22-16	60% HARDSCAPE/LANDSCAPE DESIGN REVIEW																													
NO	DATE	REVISION	APP'D. BY																												
TITLE: GENERAL NOTES																															





LOCATION SKETCH

Espanola Way

LEGAL DESCRIPTION

XX

LEGEND & ABBREVIATIONS:

ASPH.	ASPHALT	L	ARC LENGTH
BM	BENCH MARK	MH	MANHOLE
BW	BACK OF SIDEWALK	PAV.	PAVEMENT
CB	CATCH BASIN	PCC	POINT OF COMPOUND CURVATURE
CBS	CONCRETE BLOCK STRUCTURE	P	PROPERTY LINE
C&G	CURB AND GUTTER	POB	POINT OF BEGINNING
CL	CENTER LINE	POC	POINT OF COMMENCE
CL	CLEARANCE	PP	POWER POLE
CLF	CHAIN LINK FENCE	PRC	POINT OF REVERSE CURVE
CM	CONCRETE MONUMENT	PT	POINT OF TANGENCY
CONC.	CONCRETE	R	RADIUS
DH	DRILL HOLE	R/W	RIGHT-OF-WAY
EL.	ELEVATION	T.B.M.	TEMPORARY BENCH MARK
ENC.	ENCROACHMENT	TC	TOP OF CURB
FD IP	FOUND IRON PIPE	W.M.	WATER METER
FL	FLOW LINE	Δ	CENTRAL ANGLE
IP	IRON PIPE	xxx	DENOTES EXISTING ELEVATION
		xxxx	DENOTES PROPOSED ELEVATION

EXISTING CONDITIONS

NOTE:

ELEVATIONS REFER TO NATIONAL AMERICAN VERTICAL DATUM "NAVD 88 DATUM"  
BM # =XXX EL = X.XX



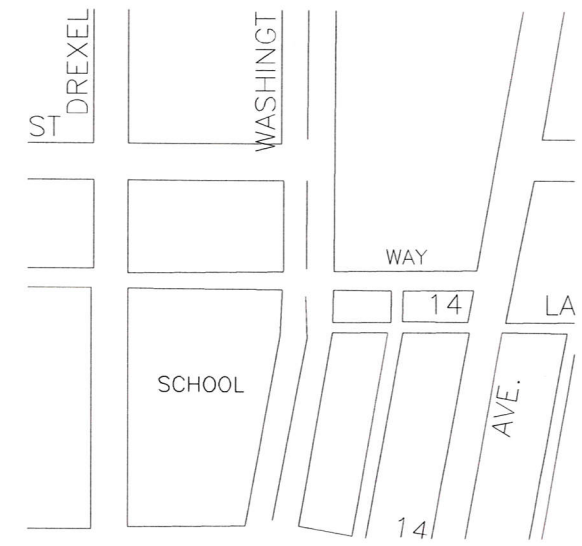
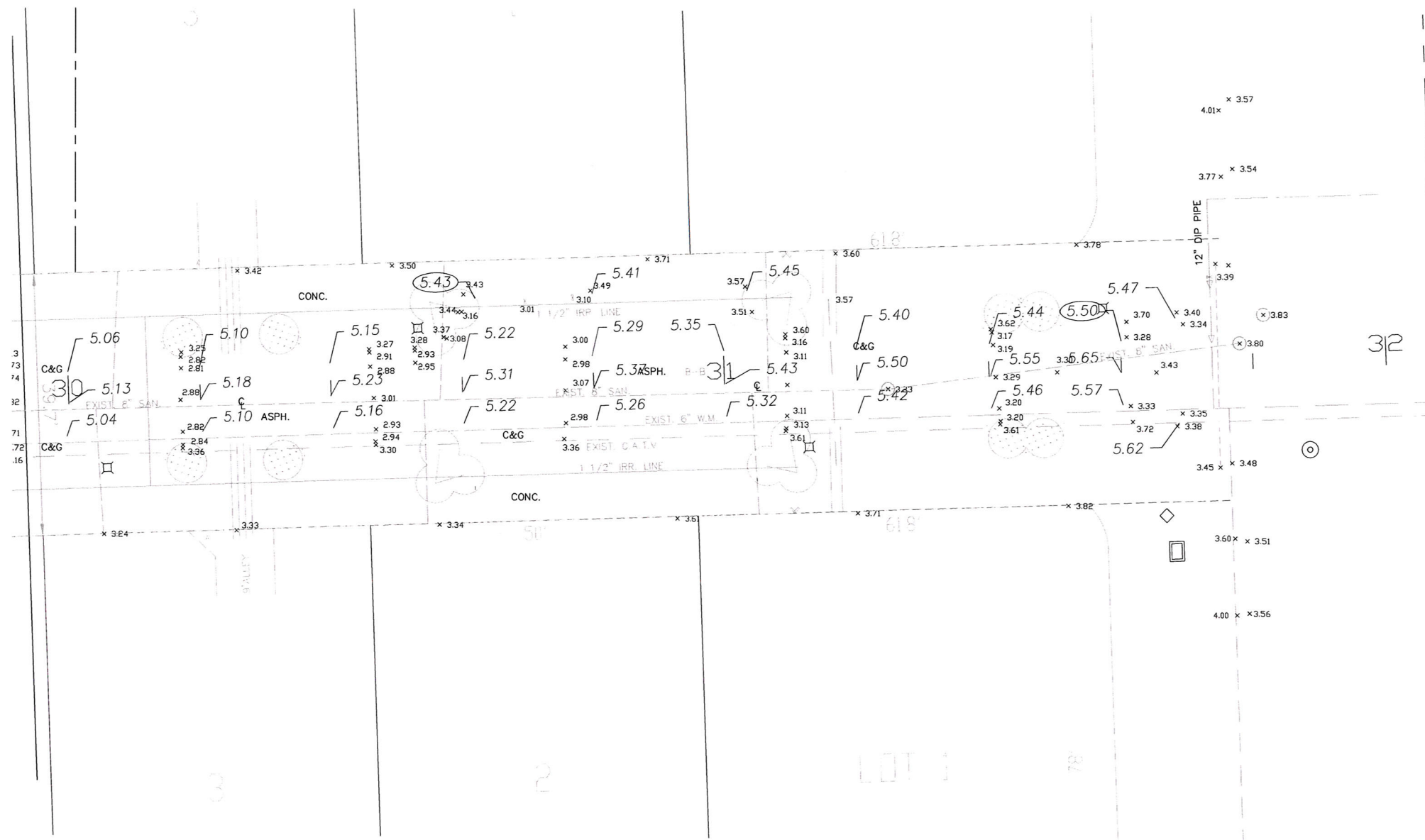
I HEREBY CERTIFY: that this "AS BUILT" SURVEY is correct and meets the Minimum Technical Standards for Land Surveying in the State Florida as set forth in Chapter 472.027 (F.S.) and Chapter 5J-17 of the Florida Administrative Code.  
Not valid without the signature and raised seal of a Florida Licensed Surveyor and Mapper.

BRIAN T. BELLINO  
CITY SURVEYOR  
P.S.M. No.4973  
STATE OF FLORIDA

DATE

NOT FOR CONSTRUCTION

MIAMI BEACH CAPITAL IMPROVEMENT PROJECTS OFFICE 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	NEIGHBORHOOD: 10C - FLAMINGO PARK	WADETRIM Gables Corporate Plaza 2100 Ponce de Leon Blvd., Suite 970 Coral Gables, FL 33134 (786) 505-6370 www.wadetrिम.com	CITY MANAGER: JIMMY L. MORALES	ENGINEER OF RECORD: HK	ENGINEER OF RECORD: 5 4 3 2 1 02-22-16 60% HARDSCAPE/LANDSCAPE DESIGN REVIEW NO. DATE REVISION APP'D. BY	File Name: SM-2015B_EC00(EspanolaWay).dwg
	TITLE: ESPANOLA WAY INFRASTRUCTURE IMPROVEMENTS		DIRECTOR: ERIC T. CARPENTER, P.E.	DESIGN ENGINEER: HK		
	TITLE: EXISTING CONDITIONS		CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E.	CHECKER: NONE		
			CIP DIRECTOR: DAVID MARTINEZ, P.E.	SCALE: NONE		



LOCATION SKETCH

XXXXXXXXXXXXXX

LEGAL DESCRIPTION

XX

LEGEND & ABBREVIATIONS:

ASPH.	ASPHALT	L	ARC LENGTH
BM	BENCH MARK	MH	MANHOLE
BW	BACK OF SIDEWALK	PAV.	PAVEMENT
CB	CATCH BASIN	PCC	POINT OF COMPOUND CURVATURE
CBS	CONCRETE BLOCK STRUCTURE	P	PROPERTY LINE
C&G	CURB AND GUTTER	POB	POINT OF BEGINNING
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CLF	CHAIN LINK FENCE	PP	POWER POLE
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FD IP	FOUND IRON PIPE	TC	TOP OF CURB
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IP	IRON PIPE	Δ	CENTRAL ANGLE
		x.xx	DENOTES EXISTING ELEVATION
		xx.xx	DENOTES PROPOSED ELEVATION

EXISTING CONDITIONS

NOTE:

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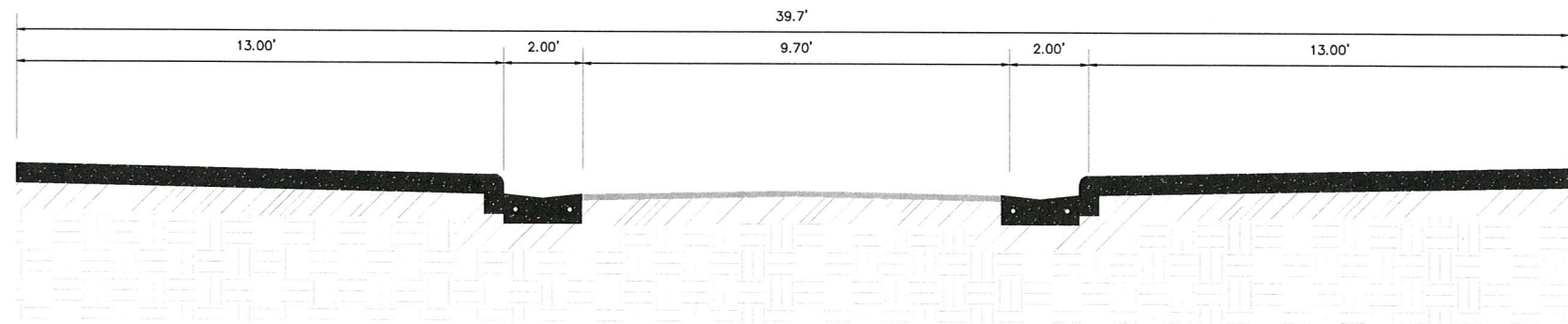
BRIAN T. BELLINO  
CITY SURVEYOR  
P.S.M. No.4973  
STATE OF FLORIDA

XXXXXXXXXX  
DATE

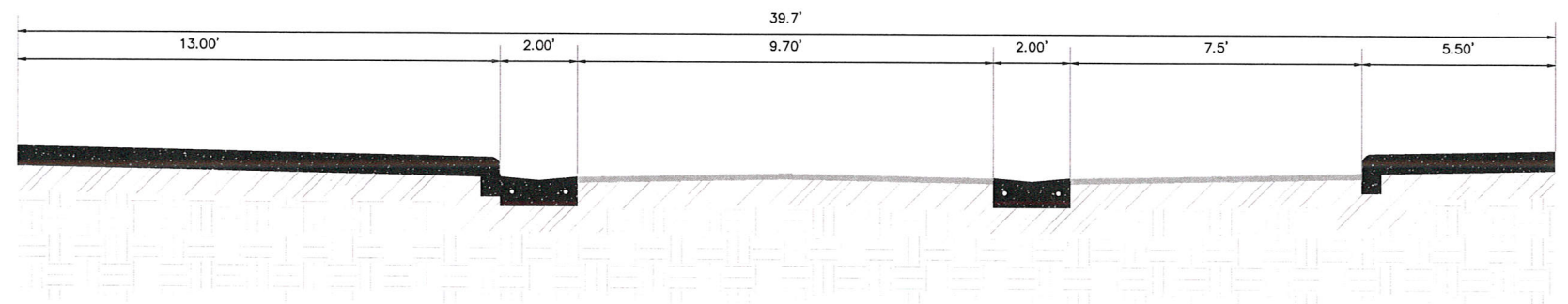
NOT FOR CONSTRUCTION

MIAMI BEACH CAPITAL IMPROVEMENT PROJECTS OFFICE 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	NEIGHBORHOOD: 10C - FLAMINGO PARK ESPANOLA WAY INFRASTRUCTURE IMPROVEMENTS	WADETRIM Gables Corporate Plaza 2100 Ponce De Leon Blvd., Suite 970 Coral Gables, FL 33134 (786) 555-4370 www.wadetrtrim.com	CITY MANAGER: JIMMY L. MORALES PUBLIC WORKS DIRECTOR: ERIC T. CARPENTER, P.E. CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E. CIP DIRECTOR: DAVID MARTINEZ, P.E.	ENGINEER OF RECORD: HK DESIGN ENGINEER: HK DRAWN BY: DM CHECKER: SCALE: NONE	ENGINEER OF RECORD: Daniel I. Garcia, P.E. NO. 62290	5 4 3 2 1 NO. DATE REVISION APP'D. BY	File Name: SM-2015B_EC00(EspanolaWay).dwg Survey Reference: Field Book: Page: Work Order: Date: 2/20/16 Sheet: Drawing: EC-2
	TITLE: EXISTING CONDITIONS						

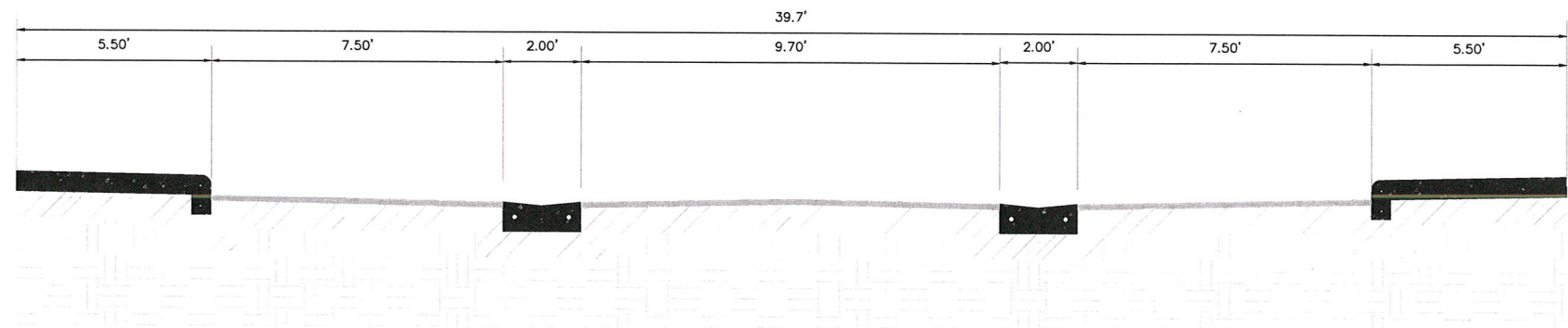




A-A PROFILE  
N.T.S



B-B PROFILE  
N.T.S



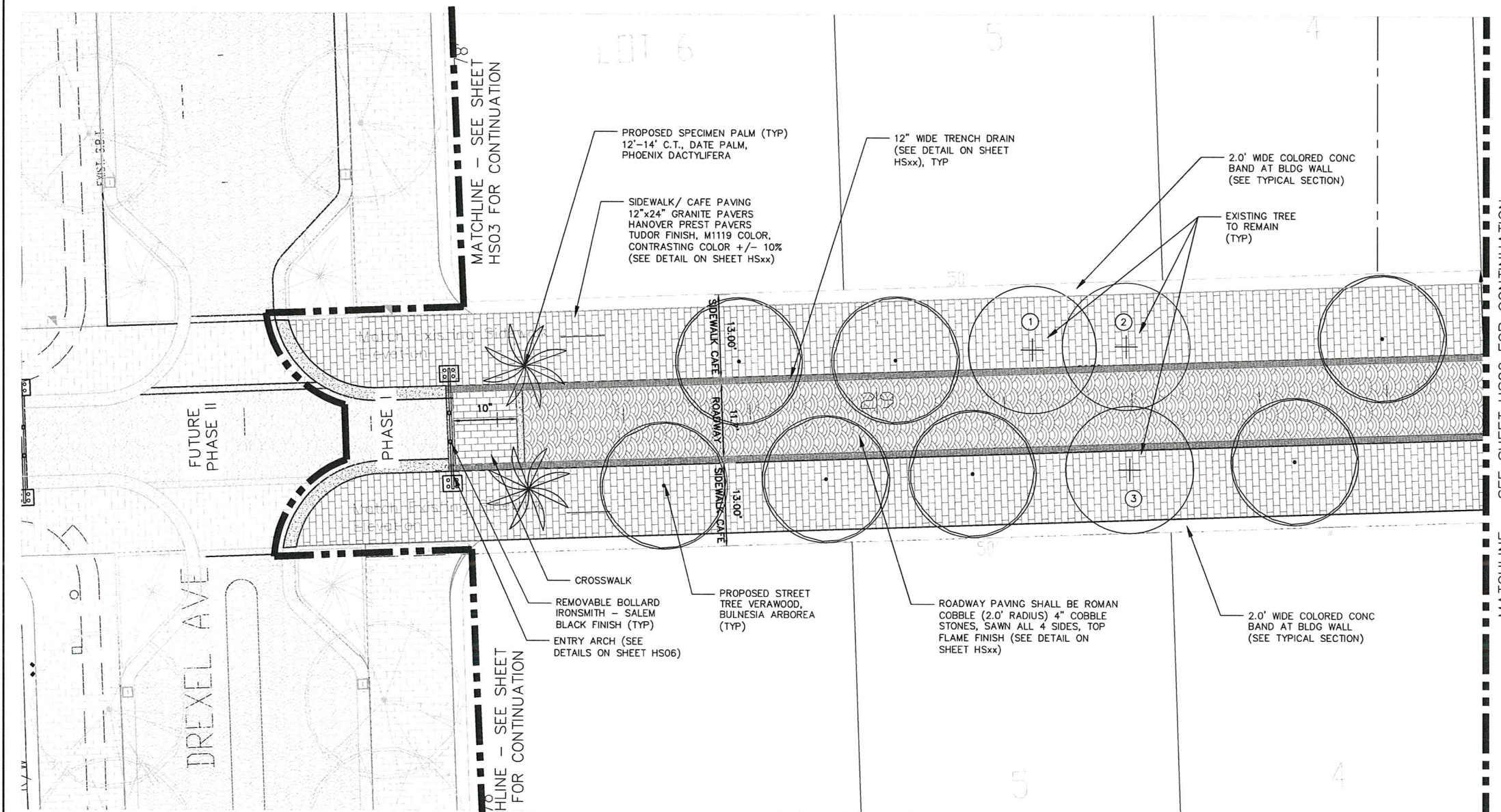
C-C PROFILE  
N.T.S



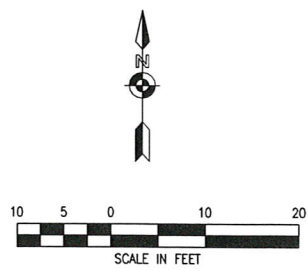
NOT FOR CONSTRUCTION

<div>MIAMI BEACH</div> <div>CAPITAL IMPROVEMENT PROJECTS OFFICE</div> <div>1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139</div>	NEIGHBORHOOD: 10C - FLAMINGO PARK	<div>WADE TRIM</div> <div>Galilee Corporate Plaza</div> <div>2100 Ponce De Leon Blvd, Suite 970</div> <div>Coral Gables, FL 33134</div> <div>(786) 505-4370</div> <div>www.wadetrtrim.com</div>	CITY MANAGER: JIMMY L. MORALES	ENGINEER OF RECORD: <u>HK</u>	ENGINEER OF RECORD: 5 4 3 2 1 NO. DATE REVISION APP'D. BY	File Name: SM-2015B_EC00(EspanolaWay).dwg
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			DIRECTOR: ERIC T. CARPENTER, P.E.	DRAWN BY: <u>DM</u>		Field Book: _____ Page: _____ Work Order: _____
			CIP DIRECTOR: DAVID MARTINEZ, P.E.	CHECKER: _____		Date: 2/20/16 Sheet: _____ Drawing: EC-3
				SCALE: <u>NONE</u>		





SITE PLAN



LEGEND & ABBREVIATIONS:

ASPH.	ASPHALT	L	ARC LENGTH
BM	BENCH MARK	MH	MANHOLE
BW	BACK OF SIDEWALK	PAV.	PAVEMENT
CB	CATCH BASIN	PCC	POINT OF COMPOUND CURVATURE
CBS	CONCRETE BLOCK STRUCTURE	PL	PROPERTY LINE
C&G	CURB AND GUTTER	POB	POINT OF BEGINNING
CL	CENTER LINE	POC	POINT OF COMMENCE
CLF	CLEARANCE	PP	POWER POLE
CM	CHAIN LINK FENCE	PRC	POINT OF REVERSE CURVE
CONC.	CONCRETE	PT	POINT OF TANGENCY
DH	DRILL HOLE	R	RADIUS
EL.	ELEVATION	R/W	RIGHT-OF-WAY
ENC.	ENCROACHMENT	T.B.M.	TEMPORARY BENCH MARK
FD IP	FOUND IRON PIPE	TC	TOP OF CURB
FL	FLOW LINE	W.M.	WATER METER
IP	IRON PIPE	Δ	CENTRAL ANGLE
		x.xx	DENOTES EXISTING ELEVATION
		xxx	DENOTES PROPOSED ELEVATION

LEGEND

- Proposed Pavers
- Concrete Valley Gutter

EXISTING TREE INVENTORY

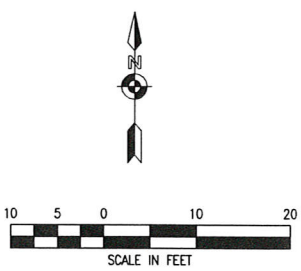
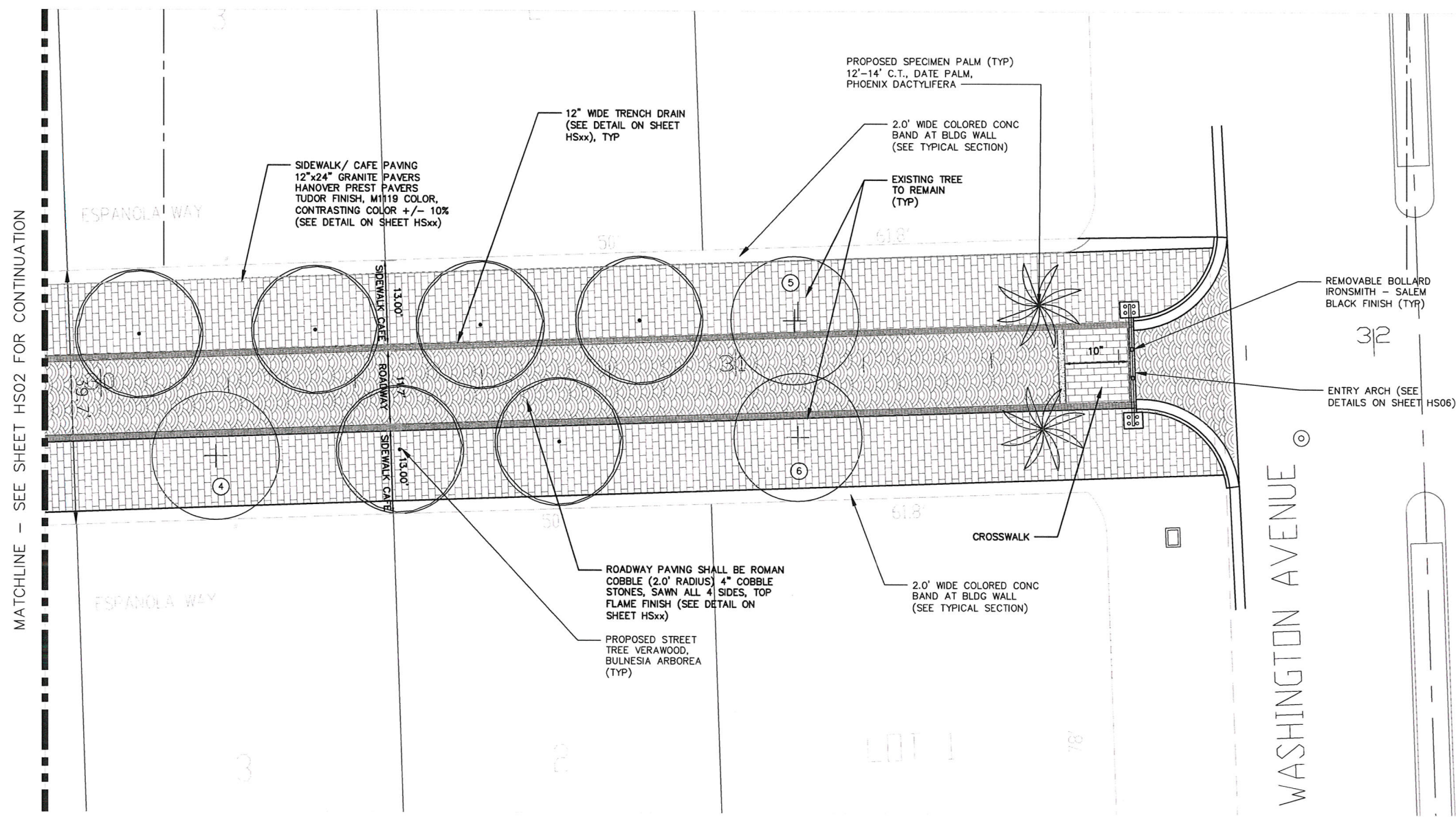
- ① TABEBUIA SPP, 24" DBH, SPECIMEN
- ② TABEBUIA SPP, 24" DBH, SPECIMEN
- ③ TABEBUIA SPP, 8" DBH, SPECIMEN



NOT FOR CONSTRUCTION

<b>MIAMI BEACH</b> CAPITAL IMPROVEMENT PROJECTS OFFICE 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	NEIGHBORHOOD: 10C - FLAMINGO PARK	<b>WADETRIM</b> Gables Corporate Plaza 2100 Ponce De Leon Blvd, Suite 970 Coral Gables, FL 33134 (786) 505-6370 www.wadetrtrim.com	CITY MANAGER: JIMMY L. MORALES	ENGINEER OF RECORD: <u>HK</u>	5			File Name: HS-2015B_Hardscape_(EsponolaWay).dwg
	TITLE: PHASE I HARDSCAPE/ LANDSCAPE PLAN		DIRECTOR: ERIC T. CARPENTER, P.E.	DESIGN ENGINEER: <u>DM</u>				
			CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E.	CHECKER: <u>DM</u>	3			Field Book: _____ Page: _____ Work Order: _____
			CIP DIRECTOR: DAVID MARTINEZ, P.E.	SCALE: NONE	2			Date: 2/20/16 Sheet: _____ Drawing: <u>HS-1</u>
					1	02-22-16	60% HARDSCAPE/LANDSCAPE DESIGN REVIEW	
					NO.	DATE	REVISION	APP'D. BY





LEGEND & ABBREVIATIONS:

ASPH.	ASPHALT	L	ARC LENGTH
BM	BENCH MARK	MH	MANHOLE
BW	BACK OF SIDEWALK	PAV.	PAVEMENT
CB	CATCH BASIN	PCC	POINT OF COMPOUND CURVATURE
CBS	CONCRETE BLOCK STRUCTURE	PL	PROPERTY LINE
C&G	CURB AND GUTTER	POB	POINT OF BEGINNING
CL	CENTER LINE	POC	POINT OF COMMENCE
CLF	CHAIN LINK FENCE	PP	POWER POLE
CM	CONCRETE MONUMENT	PRC	POINT OF REVERSE CURVE
CONC.	CONCRETE	PT	POINT OF TANGENCY
DH	DRILL HOLE	R	RADIUS
EL.	ELEVATION	R/W	RIGHT-OF-WAY
ENC.	ENCROACHMENT	T.B.M.	TEMPORARY BENCH MARK
FD IP	FOUND IRON PIPE	TC	TOP OF CURB
FL	FLOW LINE	W.M.	WATER METER
IP	IRON PIPE	Δ	CENTRAL ANGLE
		x.xx	DENOTES EXISTING ELEVATION
		xx.xx	DENOTES PROPOSED ELEVATION

HATCH INDICATES GRASS AREA

LEGEND

- Proposed Pavers
- Concrete Valley Gutter

EXISTING TREE INVENTORY

- ④ TABEBUIA SPP, 24" DBH, SPECIMEN
- ⑤ TABEBUIA SPP, 24" DBH, SPECIMEN
- ⑥ TABEBUIA SPP, TWIN 12"x14" DBH, SPECIMEN

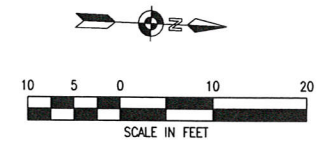
SITE PLAN



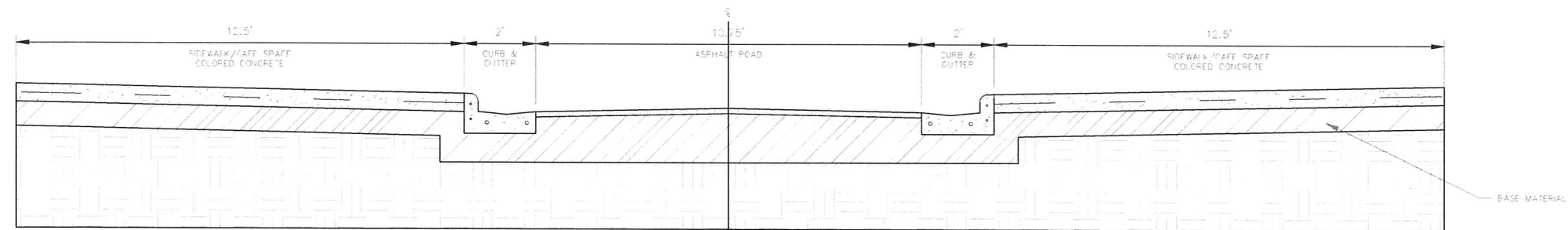
NOT FOR CONSTRUCTION

<b>MIAMI BEACH</b> CAPITAL IMPROVEMENT PROJECTS OFFICE 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	NEIGHBORHOOD: 10C - FLAMINGO PARK	<b>WADETRIM</b> Gables Corporate Plaza 2100 Ponce De Leon Blvd, Suite 970 Coral Gables, FL 33134 (786) 505-8370 www.wadetrtrim.com	CITY MANAGER: JIMMY L. MORALES	ENGINEER OF RECORD: <u>HK</u>	5			File Name: HS-2015B_Hardscape_(EspanolaWay).dwg
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			CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E.	DRAWN BY: <u>DM</u>	3			Field Book: _____ Page: _____ Work Order: _____
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					NO.	DATE	REVISION	APP'D. BY

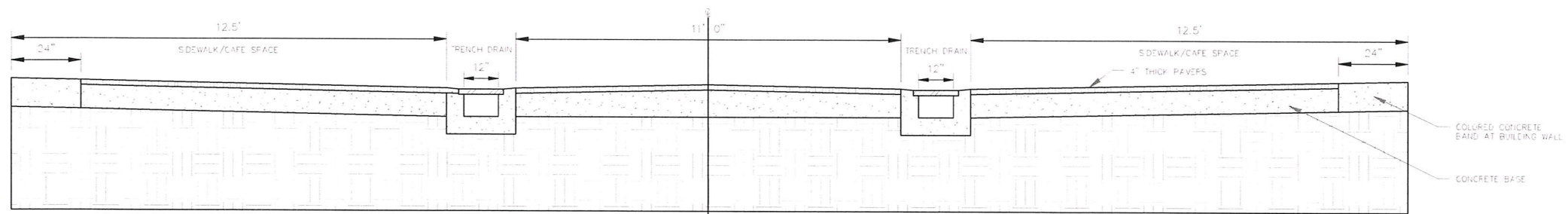




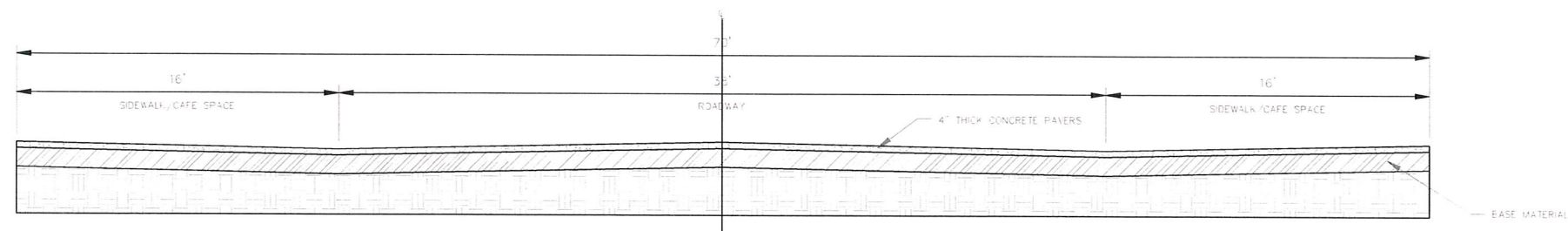




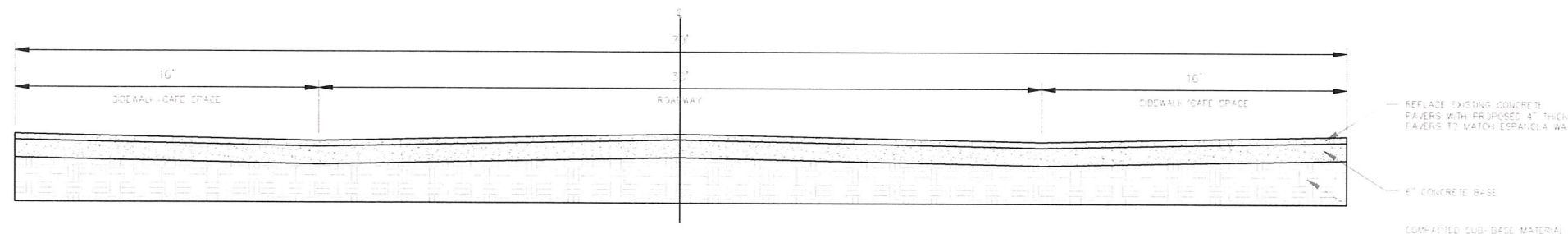
EXISTING CONDITIONS SECTION (ESPANOLA WAY)  
SCALE: 1"=2'



PROPOSED TYPICAL SECTION (ESPANOLA WAY)  
SCALE: 1"=2'




EXISTING CONDITIONS SECTION (DREXEL AVENUE)  
SCALE: 1"=4'

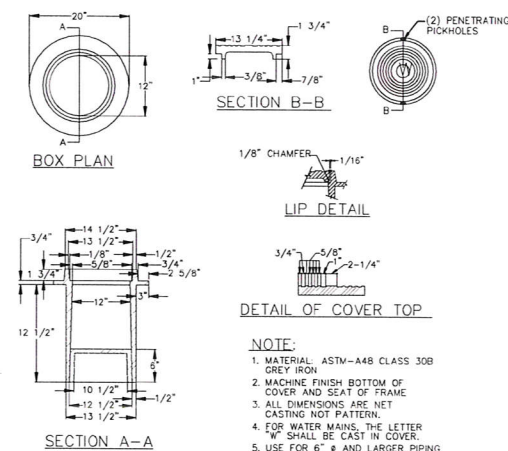
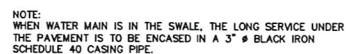
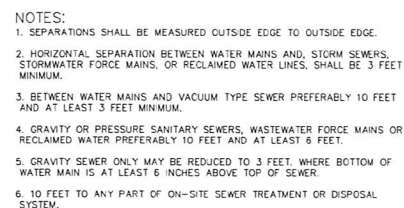
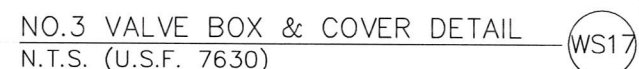
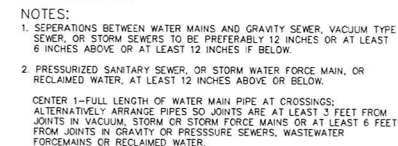
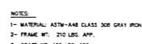
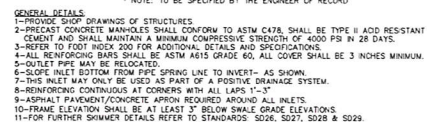


PROPOSED TYPICAL SECTION (DREXEL AVENUE)  
SCALE: 1"=4'



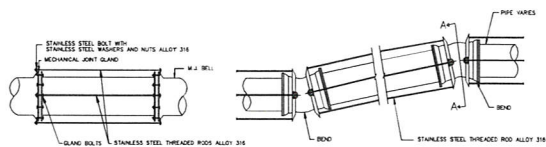
**NOT FOR CONSTRUCTION**

<div>MIAMI BEACH</div> <div>CAPITAL IMPROVEMENT PROJECTS OFFICE</div> <div>1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139</div>	NEIGHBORHOOD: 10C - FLAMINGO PARK ESPANOLA WAY INFRASTRUCTURE IMPROVEMENTS	<div> WADETRIM</div> <div>Gables Corporate Plaza 2100 Ponce De Leon Blvd., Suite 970 Coral Gables, FL 33134 (786) 505-6370 www.wadetrtrim.com</div>	CITY MANAGER: JIMMY L. MORALES PUBLIC WORKS DIRECTOR: ERIC T. CARPENTER, P.E. CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E. CIP DIRECTOR: DAVID MARTINEZ, P.E.	ENGINEER OF RECORD: <u>HK</u> DESIGN ENGINEER: <u>HK</u> DRAWN BY: <u>DM</u> CHECKER: _____ SCALE: <u>NONE</u>	ENGINEER OF RECORD: <div>Daniel I Garcia, P.E. NO. 62299</div> <table><tr><td>5</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td></td></tr><tr><td>1</td><td>02-22-16</td><td>60% HARDSCAPE/LANDSCAPE DESIGN REVIEW</td><td></td></tr><tr><td>NO.</td><td>DATE</td><td>REVISION</td><td>APP'D. BY</td></tr></table>	5				4				3				2				1	02-22-16	60% HARDSCAPE/LANDSCAPE DESIGN REVIEW		NO.	DATE	REVISION	APP'D. BY	File Name: HS-2015B_HS_Details(EspanolaWay).dwg  Survey Reference: Field Book: _____ Page: _____ Work Order: _____ Date: 2/20/16 Sheet: _____ Drawing: <b>HS-4</b>
	5																													
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1	02-22-16	60% HARDSCAPE/LANDSCAPE DESIGN REVIEW																												
NO.	DATE	REVISION	APP'D. BY																											
TITLE: TYPICAL ROADWAY SECTIONS																														



**NOT FOR CONSTRUCTION**



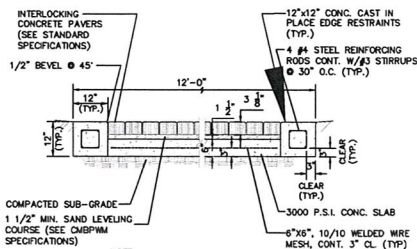


NOTE:  
S.S. BOLT = GLAND BOLT  
FOR CONTINUOUS RODDING USE  
SLEEVE NUT.

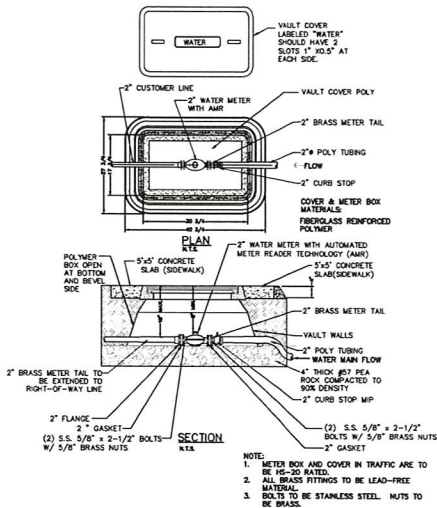
RESTRAINING DETAIL  
N.T.S.

RESTRAINING DETAIL  
N.T.S.

SPECIAL CONCRETE PAVER  
N.T.S.



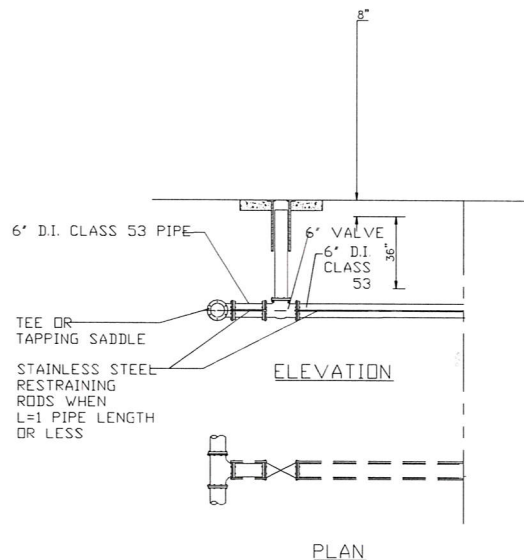
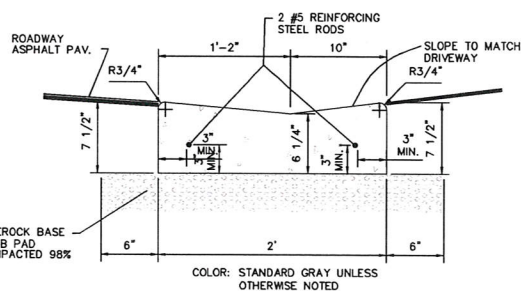
NOTE:  
ALL WORK MUST COMPLY WITH THE CITY OF  
MIAMI BEACH PUBLIC WORKS MANUAL  
SPECIFICATIONS, PART II, SECTION 9  
ROADWAYS.



NOTE:  
1. METER BOX AND COVER IN TRAFFIC ARE TO  
BE 15-20\"/>

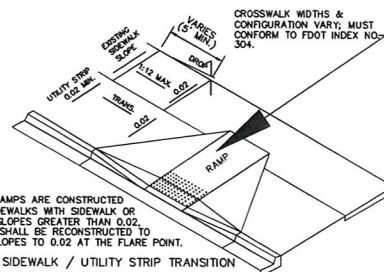
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24\"/>



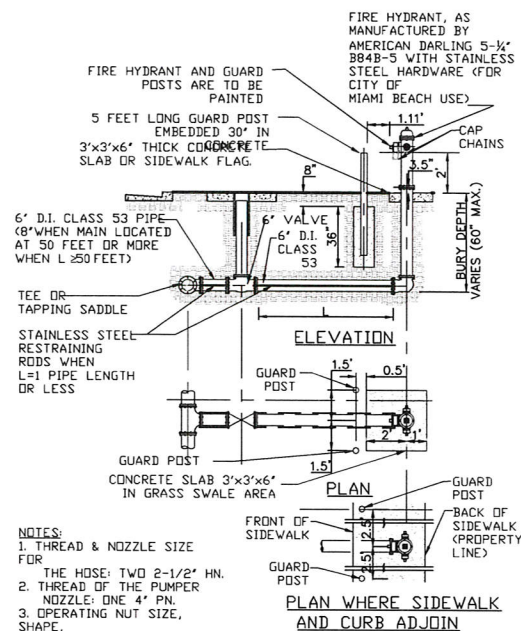
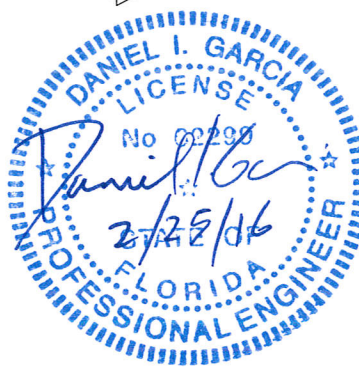
TAPPING DETAIL  
N.T.S.

PUBLIC SIDEWALK CURB RAMPS  
(TYP. PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS)



NOTE:  
WHERE CURB RAMPS ARE CONSTRUCTED  
IN EXISTING SIDEWALKS WITH SIDEWALK OR  
UTILITY STRIP SLOPES GREATER THAN 0.02,  
THE SIDEWALK SHALL BE RECONSTRUCTED TO  
REDUCE THE SLOPES TO 0.02 AT THE FLARE POINT.

SIDEWALK / UTILITY STRIP TRANSITION



NOTES:  
1. THREAD & NOZZLE SIZE  
FOR  
THE HOSE: TWO 2-1/2\"/>

TYPICAL FIRE HYDRANT DETAIL  
N.T.S.

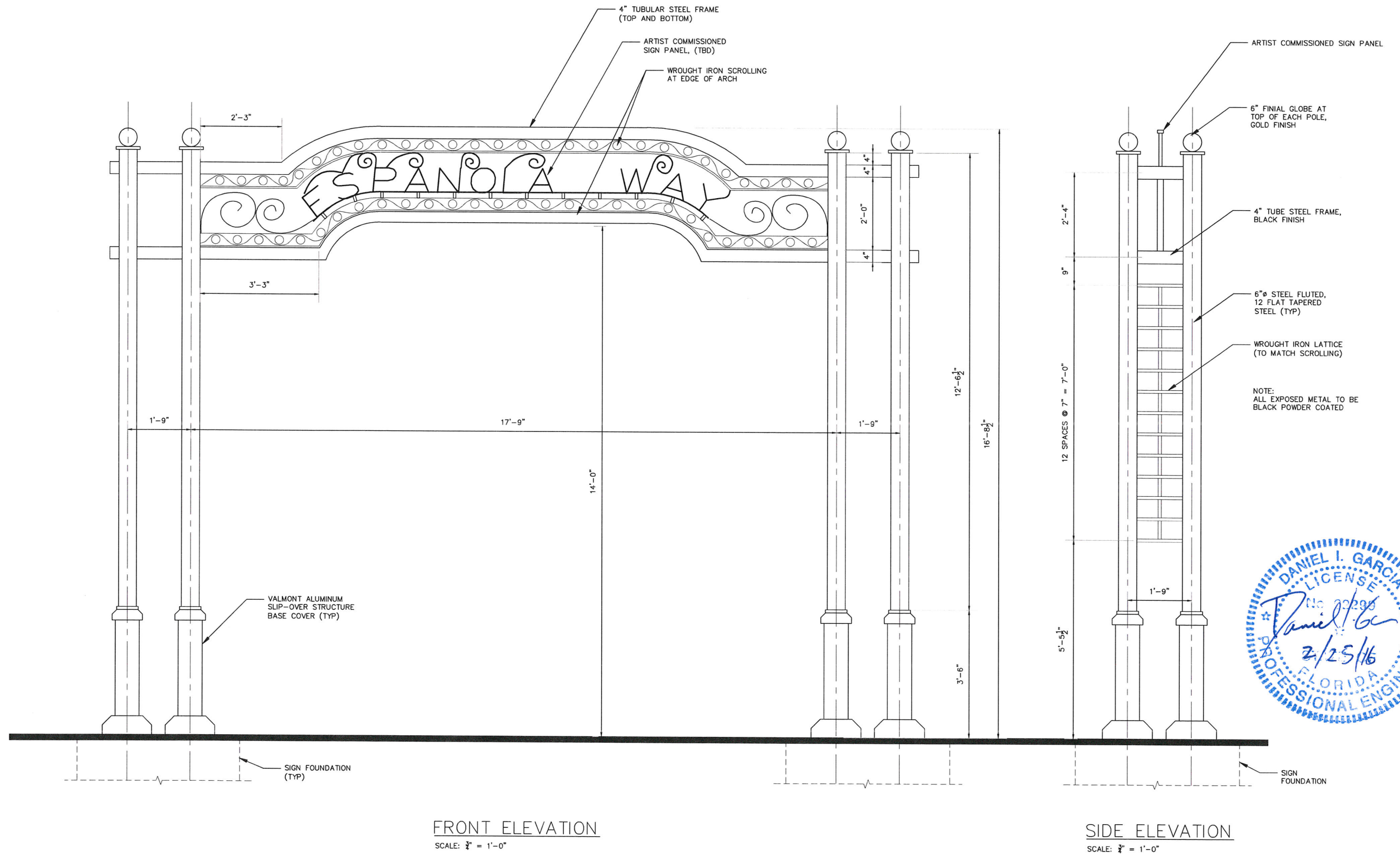
PUBLIC SIDEWALK CURB RAMPS  
(GENERAL AND DESIGN NOTES)

GENERAL NOTES

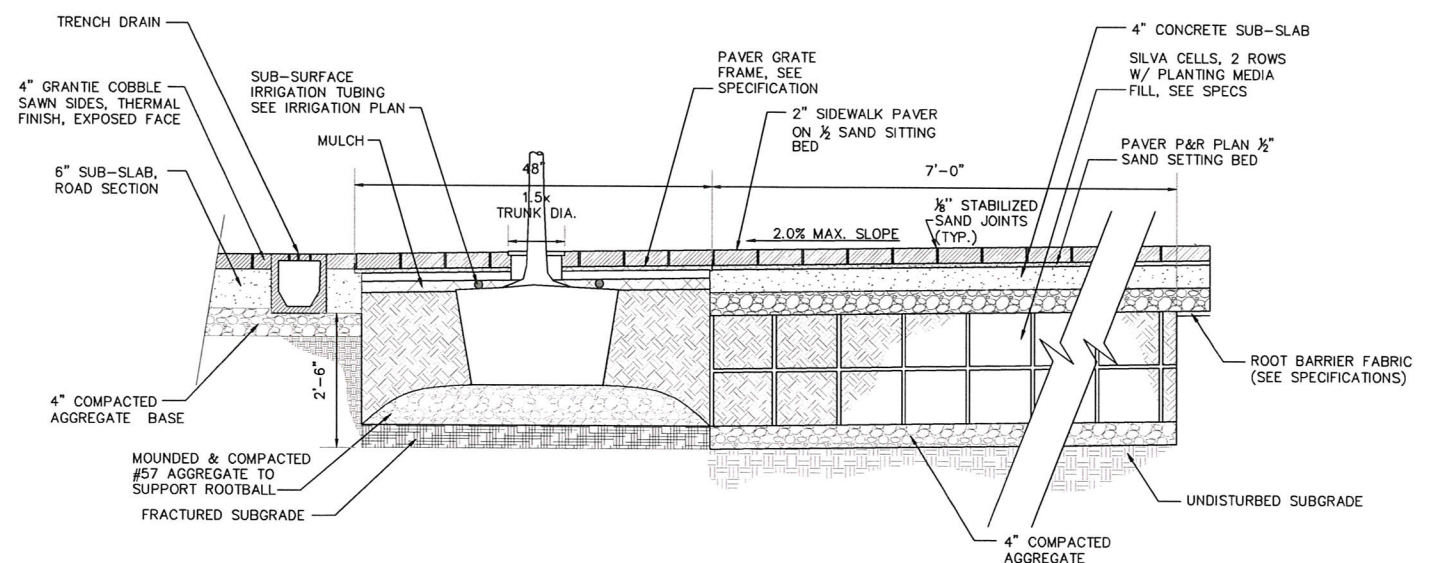
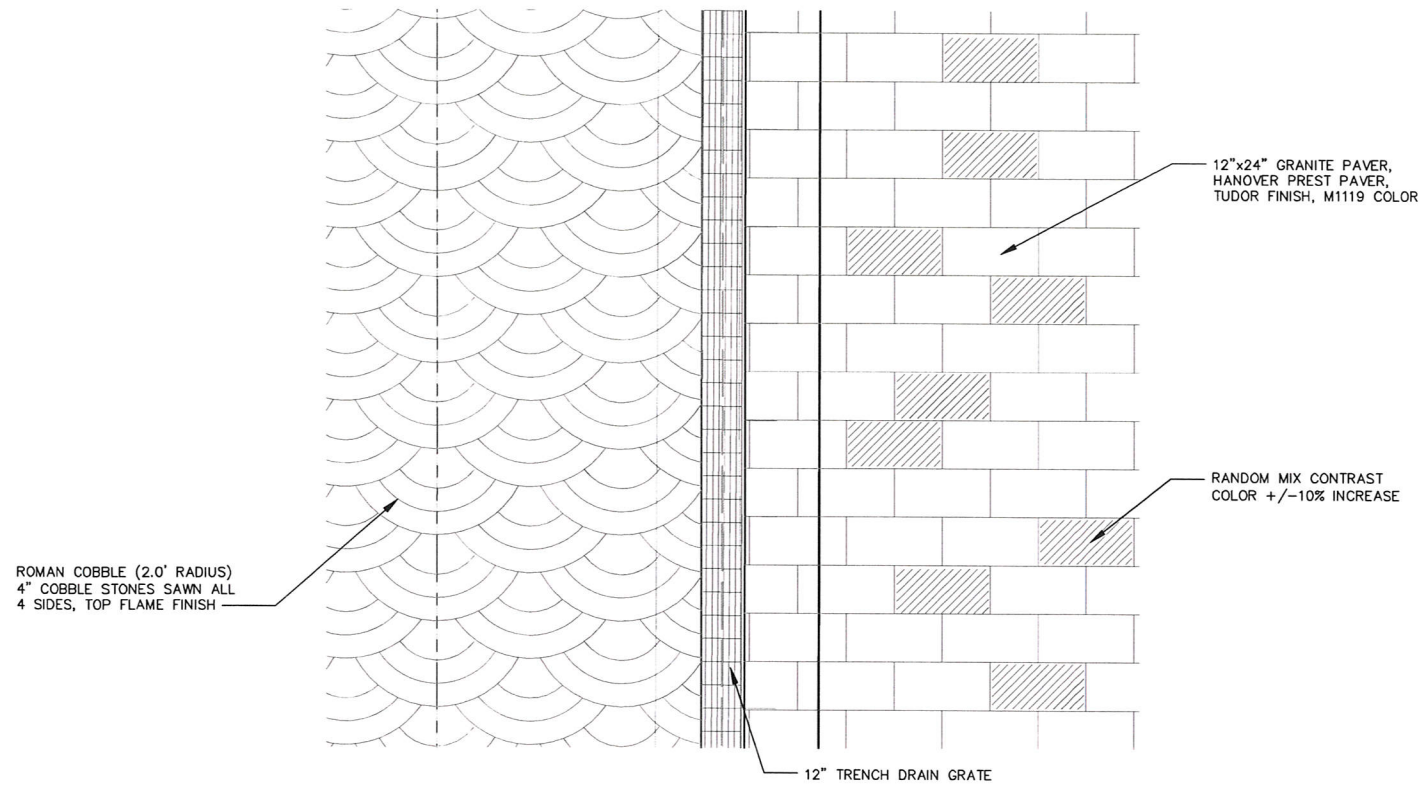
1. PUBLIC SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY AT LOCATIONS THAT WILL PROVIDE UNOBSTRUCTED PEDESTRIAN CIRCULATION PATHS TO PEDESTRIAN AREAS, ELEMENTS AND FACILITIES IN THE PUBLIC RIGHT OF WAY AND TO ACCESSIBLE PEDESTRIAN ROUTES ON ADJACENT SITES. CURBED FACILITIES WITH SIDEWALKS AND THOSE WITHOUT SIDEWALKS ARE TO HAVE CURB RAMPS CONSTRUCTED AT ALL STREET INTERSECTIONS AND AT TURNOUTS THAT HAVE CURBED RETURNS. PARTIAL CURB RETURNS SHALL EXTEND TO THE LIMIT PRESCRIBED BY INDEX NO. 515 TO ACCOMMODATE CURB RAMPS. RAMPS CONSTRUCTED AT LOCATIONS WITHOUT SIDEWALKS SHALL HAVE A LANDING CONSTRUCTED AT THE TOP OF EACH RAMP.
2. CURB RAMP RUNNING SLOPES AT UNRESTRAINED SITES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER. TRANSITION SLOPES SHALL NOT BE STEEPER THAN 1:12. WHEN ALTERING EXISTING PEDESTRIAN FACILITIES WHERE EXISTING SITE DEVELOPMENT PRECLUDES THE ACCOMMODATION OF A RAMP SLOPE OF 1:12, A RUNNING SLOPE BETWEEN 1:12 AND 1:10 IS PERMITTED FOR A RISE OF 6\"/>
3. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN THE WALK SHALL HAVE TRANSITION SLOPES TO THE RAMP. THE MAXIMUM SLOPE OF THE TRANSITIONS SHALL BE 1:12. RAMPS WITH CURB RETURNS MAY BE USED AT LOCATIONS WHERE OTHER IMPROVEMENTS PROVIDE GUIDANCE AWAY FROM THAT PORTION OF THE CURB PERPENDICULAR TO THE SIDEWALK; IMPROVEMENTS FOR GUIDANCE ARE NOT REQUIRED AT CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC.
4. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24\"/>
5. WHERE A CURB RAMP IS CONSTRUCTED WITHIN EXISTING CURB, CURB AND GUTTER AND / OR SIDEWALK THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF THE CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE OR WALK AROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5' LONG.
6. THE RAMP DETECTABLE WARNING SURFACE COLOR REQUIREMENT SHALL BE TO PROVIDE A DARK-ON-LIGHT VISUAL CONTRAST BETWEEN THE DETECTABLE WARNING SURFACE AND THE ADJACENT WALKING SURFACE. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS I PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 522 OF THE STANDARD SPECIFICATIONS, THE PLANS MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLORS OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT OR LIGHT-ON-DARK.

NOT FOR CONSTRUCTION





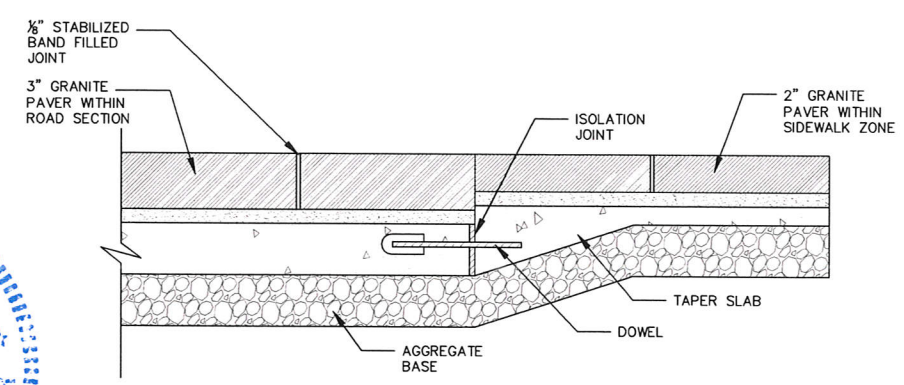
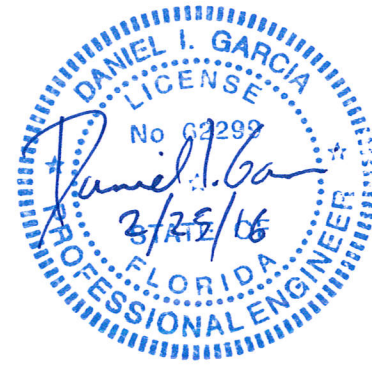
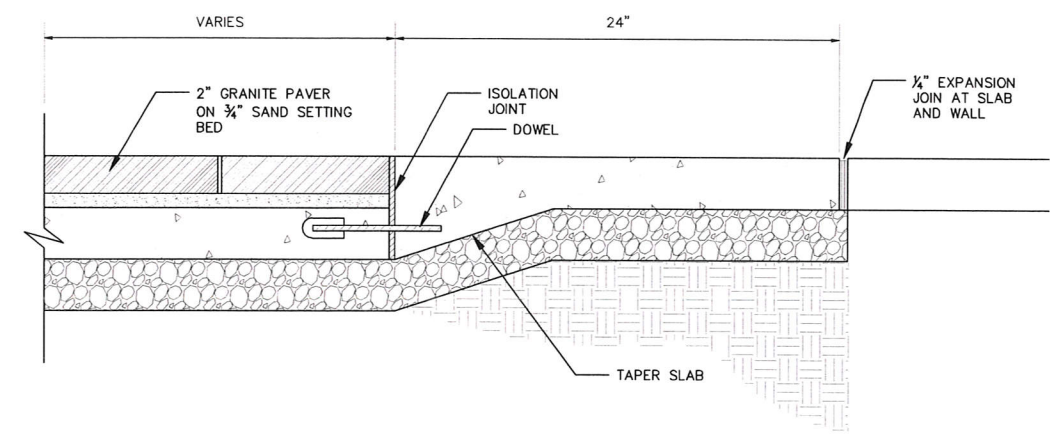





TREE GRATE NOTE:  
SALVAGE AND REINSTALL EXISTING EJ 8955 PLAZA TREE GRATE WITH NEW  
60" SQUARE TREE GRATE FRAME (PURCHASED BY OWNER), QUANTITY: 29

INSTALL NEW EJ 8955 PLAZA TREE GRATE WITH 30" TREE OPENING, PLAZA  
TREE GRATE 18" REMOVABLE CENTER RING, AND 60" SQUARE TREE GRATE  
FRAME (PURCHASED BY OWNER), QUANTITY: 18

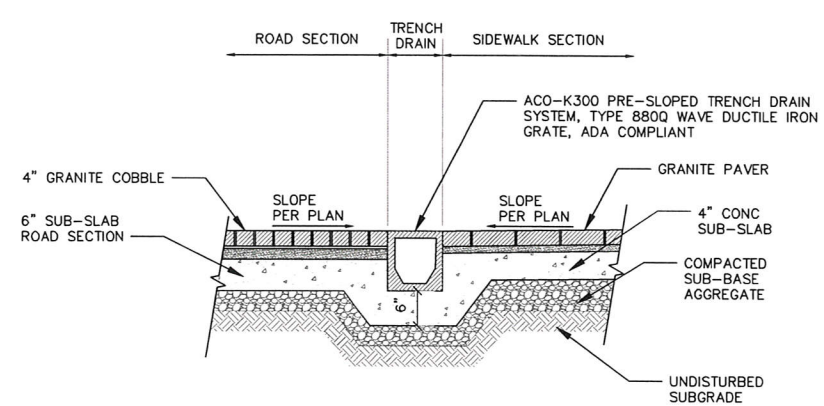
- NOTES:
- 1 AFTER DIGGING HOLE, FILL WITH WATER TO  
CONFIRM THAT WATER DRAINS OUT OF THE SOIL.  
IF HOLE DOES NOT PERC, DO NOT PLANT TREE.  
NOTIFY LANDSCAPE ARCHITECT FOR DIRECTION.
  - 2 THOROUGHLY SOAK THE TREE ROOT BALL AND  
ADJACENT PREPARED SOIL IMMEDIATELY AFTER  
PLANTING.
  - 3 PURCHASE TREE WITH ONE CENTRAL LEADER.  
DO NOT PRUNE TREE AT PLANTING EXCEPT AS  
DIRECTED BY LANDSCAPE ARCHITECT.
  - 4 SET TREE PLUMB WITH VERTICAL TRUNK.
  - 5 STAKE TREES ONLY UPON APPROVAL OF THE  
LANDSCAPE ARCHITECT, SEE SPECIFICATIONS.
  - 6 WRAP TREES ONLY UPON THE APPROVAL OF  
THE LANDSCAPE ARCHITECT.



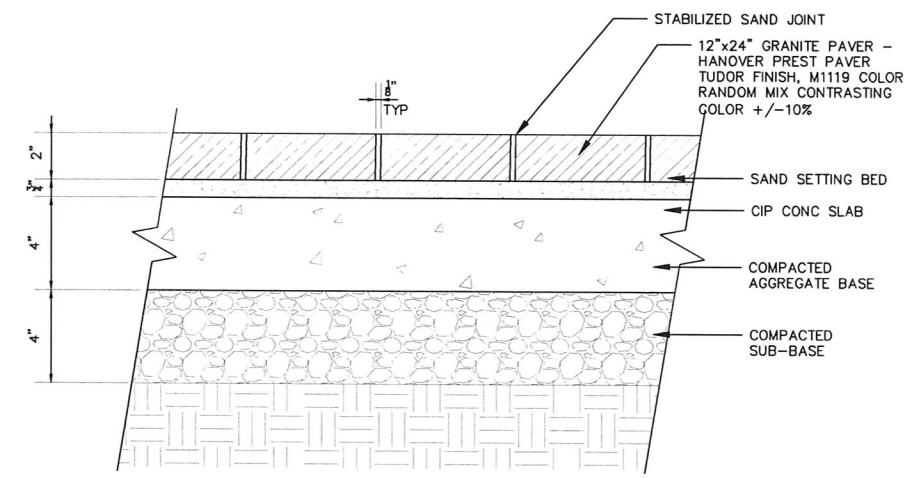
**NOT FOR CONSTRUCTION**

<div>MIAMI BEACH</div> <div>CAPITAL IMPROVEMENT PROJECTS OFFICE</div> <div>1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139</div>	NEIGHBORHOOD: 10C - FLAMINGO PARK ESPANOLA WAY INFRASTRUCTURE IMPROVEMENTS	<div> <b>WADETRIM</b></div> <div>Gables Corporate Plaza 2100 Ponce De Leon Blvd, Suite 970 Coral Gables, FL 33134 (786) 505-6370 www.wadetrims.com</div>	CITY MANAGER: JIMMY L. MORALES	ENGINEER OF RECORD: <u>HK</u>	<div>ENGINEER OF RECORD:</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1 02-22-16 60% HARDSCAPE/LANDSCAPE DESIGN REVIEW</div> <div>NO. DATE REVISION APP'D. BY</div>	<div>File Name: HS-2015B_HS08_(EspañolaWay).dwg</div> <div>Survey Reference:</div> <div>Field Book: _____ Page: _____ Work Order: _____</div> <div>Date: 2/20/16 Sheet: _____ Drawing: <b>HS-8</b></div>
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			CITY ENGINEER: BRUCE A. MOWRY, Ph.D., P.E.	DRAWN BY: <u>DM</u>		
			CIP DIRECTOR: DAVID MARTINEZ, P.E.	CHECKER: _____		
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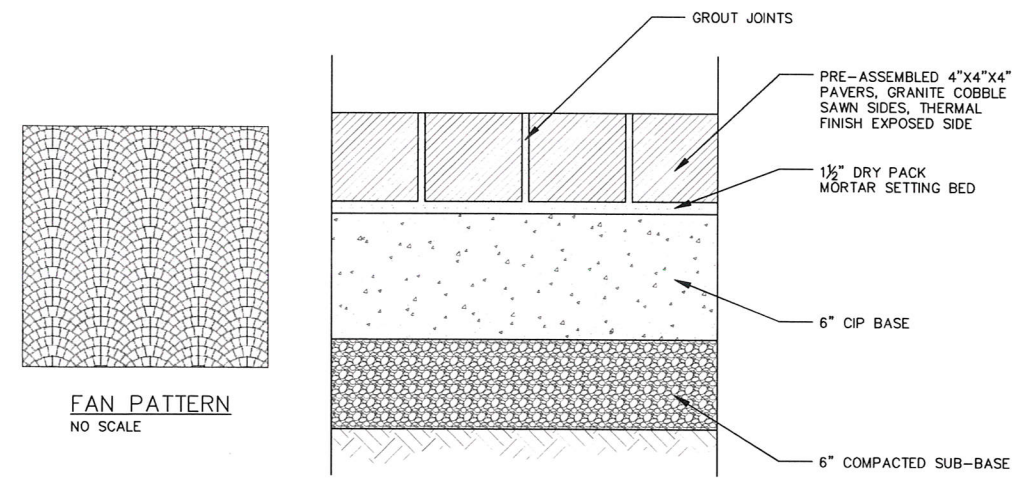




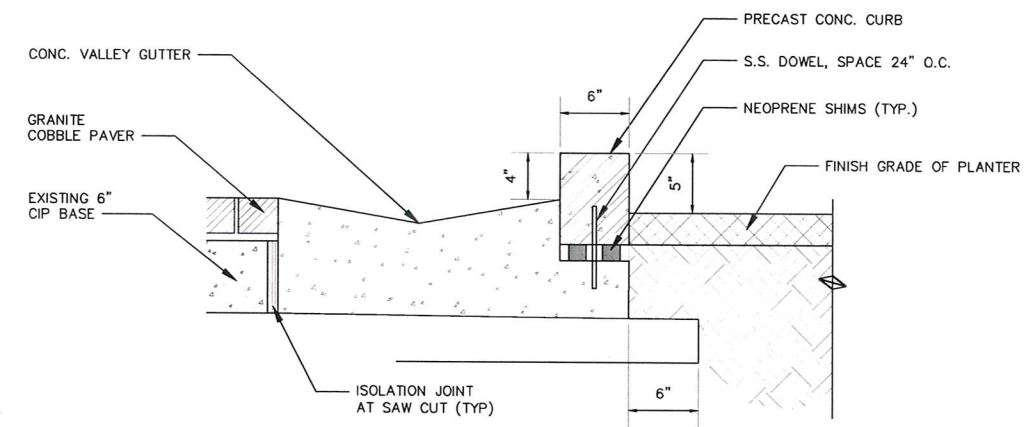
TRENCH DRAIN AT ROAD/ SIDEWALK EDGE  
NO SCALE



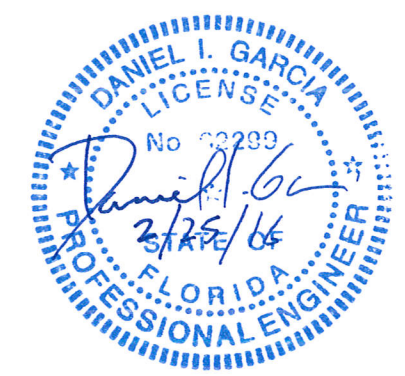
TYPICAL GRANITE PAVER WALK, SIDEWALK AREA  
SCALE: 3"=1'-0"



ROMAN COBBLE PAVERS (ROAD SECTION)



PRECAST CONCRETE CURB AT VALLEY GUTTER  
NO SCALE



**NOT FOR CONSTRUCTION**