



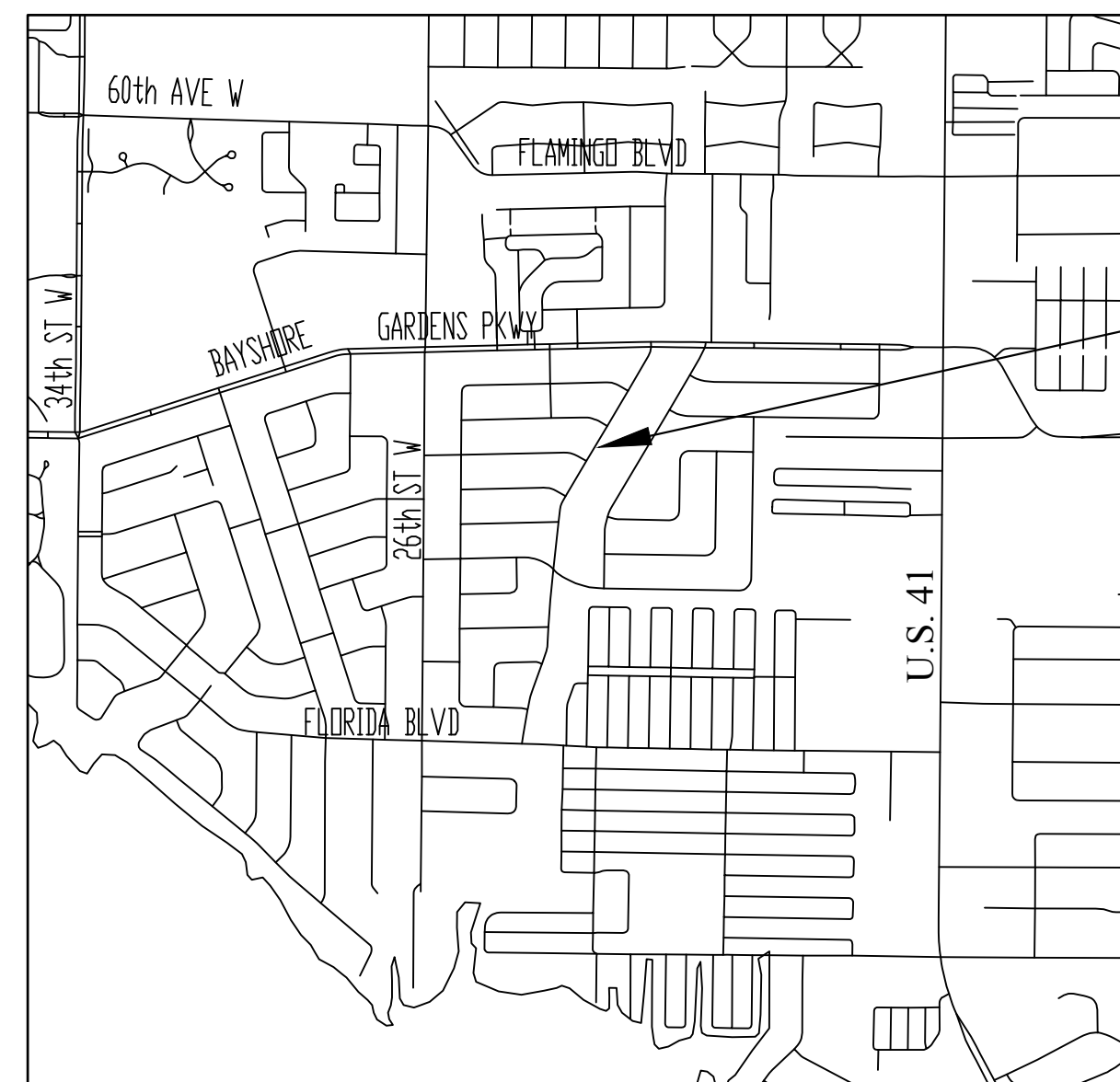
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES  
1022 26th Avenue East, Bradenton, FL 34208



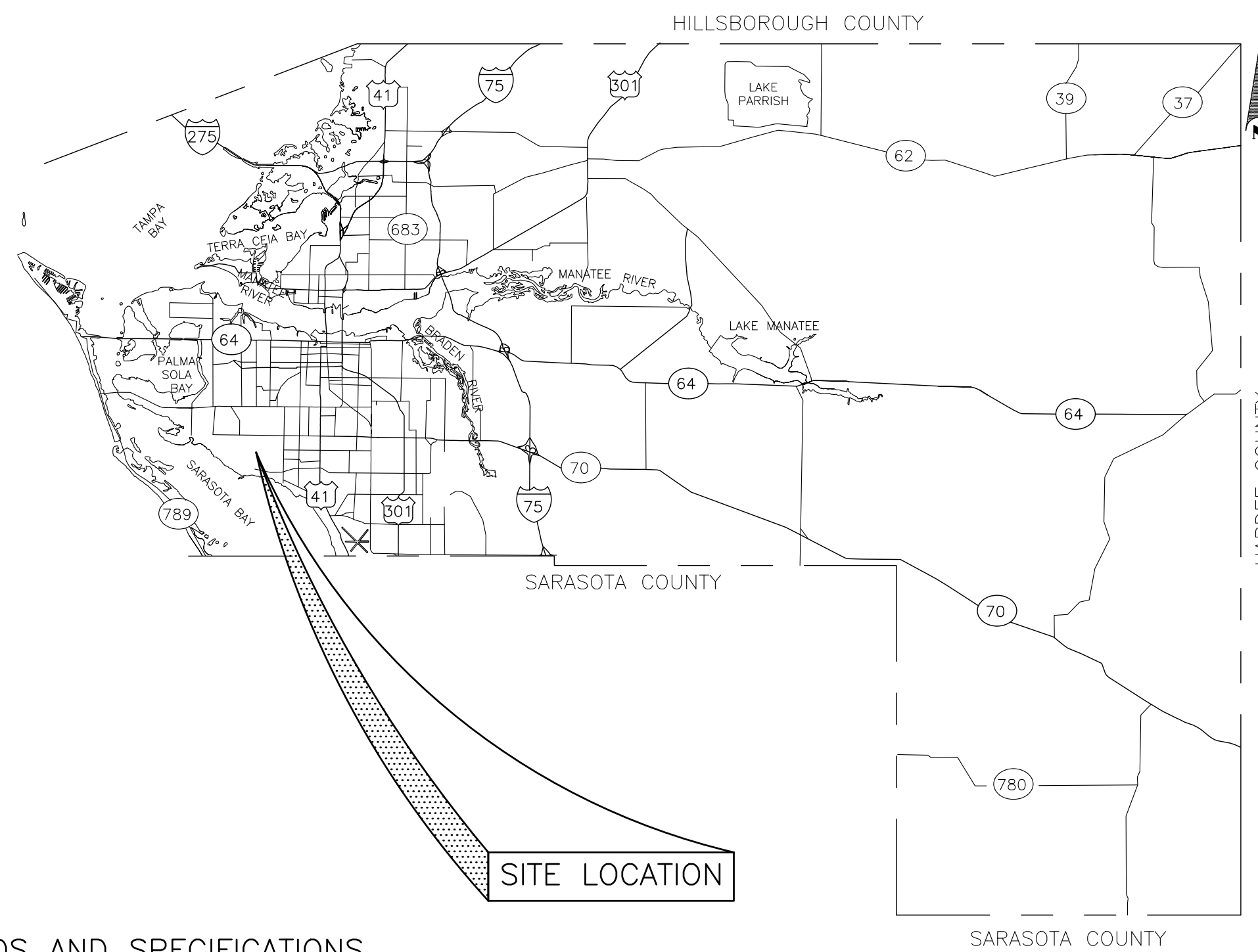
# BAYSHORE GARDENS SIDEWALKS

**100% CONSTRUCTION PLANS**

**BAYSHORE GARDENS  
SIDEWALKS  
COVER SHEET**



VICINITY MAP  
N.T.S.



SITE LOCATION

PROJECT SITE

### RELATED STANDARDS AND SPECIFICATIONS

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION 2015 DESIGN STANDARDS AND REVISED INDEX DRAWINGS, AS APPENDED HEREIN, AND APPLICABLE ARTICLES AND SUBARTICLES OF DIVISION I AND ALL OF DIVISIONS II & III OF THE 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/](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/](http://www.dot.state.fl.us/specificationsoffice/)

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:  
CHRIS MOWBRAY P.E.  
1022 26TH AVENUE EAST BRADENTON FLORIDA 34208

### PROJECT DESCRIPTION

5' SIDEWALK ALONG THE WEST SIDE OF COLUMBIA DR. FROM FLORIDA BLVD. TO BAYSHORE GARDENS PRWY. 5' SIDEWALK ALONG THE NORTH SIDE OF HARVARD AVE FROM COLUMBIA DR. TO DARTMOUTH DR. 5' SIDEWALK ALONG THE EAST SIDE OF DARTMOUTH DR. FROM HARVARD AVE. TO BAYSHORE GARDENS PKWY. 5' SIDEWALK ALONG THE WEST SIDE OF DARTMOUTH DR. FROM HARVARD AVE. TO BAYSHORE GARDENS PKWY. TO FLAMINGO BLVD. 5' SIDEWALK ALONG THE NORTH AND WEST SIDES OF ROSLYN AVE. FROM DARTMOUTH DR. TO BAYSHORE GARDENS PKWY.

NO.	INDEX OF SHEETS
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2	GENERAL NOTES
3	LOCATION MAP
4-5	COLUMBIA DR SIDEWALK PLAN
6	HARVARD AVE./DARTMOUTH DR. SIDEWALK PLAN
7-8	DARTMOUTH DR. SIDEWALK PLAN
9-10	ROSLYN AVE. SIDEWALK PLAN
11	SIDEWALK DETAILS
12	BEST MANAGEMENT PRACTICES



**PREPARED FOR:**  
MANATEE COUNTY  
PUBLIC WORKS DEPT.  
1022 26TH AVE. E.  
BRADENTON, FL 34208

**PREPARED BY:**  
ZNS ENGINEERING, LLC  
201 5th AVENUE DRIVE EAST  
BRADENTON, FLORIDA 34208  
941.748.8080  
FAX: 941.748.8316

**PROJECT DATA:**  
BAYSHORE GARDENS SIDEWALKS  
44359

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NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	000
SURVEY #	000
SEC./TWN./RGE	15,22,23/35S/17E
SCALE	N.T.S.
BY	DATE
SURVEYED	N/A N/A
DESIGNED	MF 06/2017
DRAWN	JRB 06/2017
CHECKED	MF 06/2017
MICHAEL FERDINAND, P.E.	
FLORIDA P.E. # 77752	
Signature & Date	
SHEET 01	

\\Fs001\Manatee County\Bayshore Gardens\SideWalk\_Exp\_44359\ENGIN\BSS\COV.OP.B/2/17.8.37 AM Mike Ferdinand. 1:1 ARCH full sheet D (36.00 x 24.00 inches)

### DRAINAGE AND GRADING NOTES

1. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
2. TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, CURBS, PAVEMENTS, TRACTS, AND SOIL BORING DATA GIVING THE NATURE OF GROUND AND SUBSURFACE CONDITIONS HAVE BEEN OBTAINED FROM RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOILS TESTS HE MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
3. THE CONTRACTOR SHALL VERIFY TOPOGRAPHY AND SATISFY HIMSELF AS TO THE EXTENT OF FILL NECESSARY TO ACHIEVE FINISHED GRADE PRIOR TO AWARD OF CONTRACT. THERE SHALL BE NO CLAIM FOR EXTRAS NOTWITHSTANDING SITE PLAN REVISIONS PROMULGATED SUBSEQUENT TO AWARD OF CONTRACT.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
5. REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
6. THE CONTRACTOR IS TO REVIEW SOILS TESTS AS PERFORMED BY THE SOIL CONSULTANT AND IS ENCOURAGED TO CONDUCT ON-SITE TESTING TO SATISFY HIMSELF AS TO ACTUAL LIMITS OF REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIALS PRIOR TO BIDDING.
7. ALL PROPOSED CONSTRUCTION IS TO MEET OR EXCEED LATEST APPLICABLE MANATEE COUNTY TRANSPORTATION DEPARTMENT STANDARDS AND IS TO MEET ENGINEER'S SPECIFICATIONS.
9. CONTRACTOR TO SOD/RESTORE ALL DISTURBED AREAS

### GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR IS TO COORDINATE THE LOCATION AND ELEVATION OF ALL FRANCHISE UTILITIES, INCLUDING BUT NOT LIMITED TO FP&L, GTE AND IRRIGATION SERVICE SLEEVES WITH RESPECTIVE AGENCY PRIOR TO CONSTRUCTION.
2. ALL PROPOSED ELECTRICAL AND COMMUNICATION SERVICES ARE TO BE LOCATED UNDERGROUND AS DIRECTED BY RESPECTIVE AGENCY.
3. CURBING AT SIDEWALK INTERSECTIONS TO BE RECESSED FOR PEDESTRIAN RAMPS. RAMPS TO BE CONSTRUCTED AT TIME OF CURB RADII.
4. CONTRACTOR TO OBTAIN APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND ISSUANCE OF ALL COMMENCEMENT AND/OR PROGRESS NOTICES TO GOVERNMENTAL AGENCIES DURING THE COURSE OF CONSTRUCTION, AS REQUIRED FOR INSPECTION, TESTING AND TRACKING PER APPLICABLE AGENCY PERMIT CONDITIONS.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMIT CONDITIONS AND STIPULATIONS FOR ALL LOCAL, REGIONAL AND STATE AGENCIES, INCLUDING, BUT NOT LIMITED TO, FINAL SITE PLANS, UTILITIES, DRAINAGE, FUGITIVE PARTICULATES AND EROSION.
7. ALL UTILITIES AND/OR DRAINAGE SHOWN AS EXISTING WERE DERIVED FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION, SIZE, TYPE AND AMOUNT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR TO NOTIFY SUNSHINE UNDERGROUND FACILITIES NOTIFICATION (1-800-432-4770), MCPWD AND FP&L 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION FOR POSSIBLE UTILITY LOCATIONS NOT SHOWN ON PLANS.
8. RIGHT OF WAY USE PERMIT TO BE OBTAINED BY THE CONTRACTOR FOR OFF-SITE CONSTRUCTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR ESTIMATING AND CALCULATING ALL QUANTITIES. PRIOR TO BID SUBMISSION THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOIL TESTS HE DEEMS NECESSARY TO CALCULATE THE QUANTITIES PROPERLY. ADDITIONAL SURVEYS AND TESTS MADE BY THE CONTRACTOR SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
10. ALL EASEMENTS AS SHOWN WITHIN THE PROJECT BOUNDARY LIMITS ARE TO BE CONSIDERED PUBLIC (UNLESS OTHERWISE STATED). EASEMENTS TO BE GRANTED IN CONJUNCTION WITH RECORD PLAT PROCESSING.

### SEDIMENT AND EROSION CONTROL NOTES

1. SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE IN COMPLIANCE WITH SECTION 519, APPENDIX A-19 OF THE MANATEE COUNTY LAND DEVELOPMENT CODE. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED HAYBALES, STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS ARE TO BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SEDIMENTATION BARRIERS IN A WORKING MANNER FOR THE DURATION OF CONSTRUCTION AND SHOULD BE CHECKED DAILY. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN UPLAND AREAS. IN ADDITION TO SPECIFIED EROSION CONTROL LOCATIONS, THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR POTENTIAL EROSION PROBLEMS. IF PROBLEMS OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING APPROPRIATE EROSION CONTROL IMMEDIATELY. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND FINAL STABILIZATION.
2. NOTIFY MANATEE COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT (EMD) WATER QUALITY DIVISION PRIOR TO THE INITIATION OF CONSTRUCTION. A PRE CONSTRUCTION INSPECTION OF THE SEDIMENTATION AND EROSION CONTROL (S&EC) DEVICES MAY BE REQUIRED AND WILL BE THE OPTION OF THE EMD STAFF.
3. CONTRACTOR SHALL LOCATE EROSION CONTROL MEASURES (ECM'S) ALONG WETLAND BUFFERS AS IDENTIFIED ON PLAN. EXOTIC NUISANCE SPECIES LOCATED WITHIN WETLAND BUFFER SHALL BE MANUALLY REMOVED WITH CARE TAKEN TO PROTECT EXISTING NATIVE VEGETATION UNLESS OTHERWISE SPECIFICALLY ADDRESSED ON THE APPROVED PLANS. IN THOSE INSTANCES WHERE ADDITIONAL AREAS OF THE WETLAND BUFFER ARE SO HEAVILY VEGETATED WITH EXOTIC NUISANCE SPECIES AS TO MAKE MANUAL REMOVAL UNFEASIBLE, THE CONTRACTOR SHALL PROVIDE PROJECT ENGINEER AND MANATEE COUNTY ENVIRONMENTAL MANAGEMENT DIVISION SHOP DRAWING SHOWING LIMITS OF ADDITIONAL ECHANIZED CLEARING WITHIN BUFFER, PLANS TO RELOCATE ECM'S AND PROPOSED STABILIZATION OF CLEARING WITHIN WETLAND BUFFERS. ALL PROPOSED MODIFICATIONS TO LOCATIONS OF ECM'S, SOIL STABILIZATION, SHOP DRAWINGS AND PROCESSING FOR APPROVAL SHALL BE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.

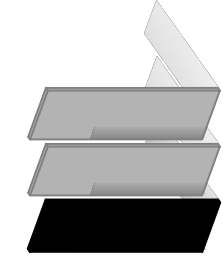
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 DRAWN: JRL  
 DATE: 4.18.2017  
 JOB NO: 44359  
 SCALE: \_\_\_\_\_  
 SHEET: 02

GENERAL NOTES  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 LOCATED IN  
 SECTION 15, 22 & 23, TOWNSHIP 33 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

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 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS  
 POST OFFICE BOX 9448 BRADSDEN, IL 34084 | 201 94 AVENUE DRIVE EAST BRADSDEN, IL 34088  
 EMAIL: ZNS@ZNSENGINEERING.COM | TELEPHONE: 941.748.8000 | FAX: 941.748.3316

MICHAEL FERDINAND  
 PROFESSIONAL ENGINEER #77752  
 SIGNATURE



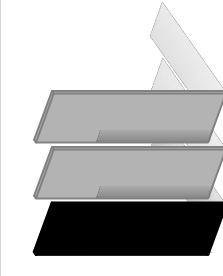
1" = 300'

DESIGNED: ME
DRAWN: JR
DATE: 5.2.2017
JOB NO: 44359
SCALE: 1" = 300'

**LOCATION MAP**  
FOR  
**BAYSHORE GARDENS SIDEWALK**  
LOCATED IN  
SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
MANATEE COUNTY, FLORIDA

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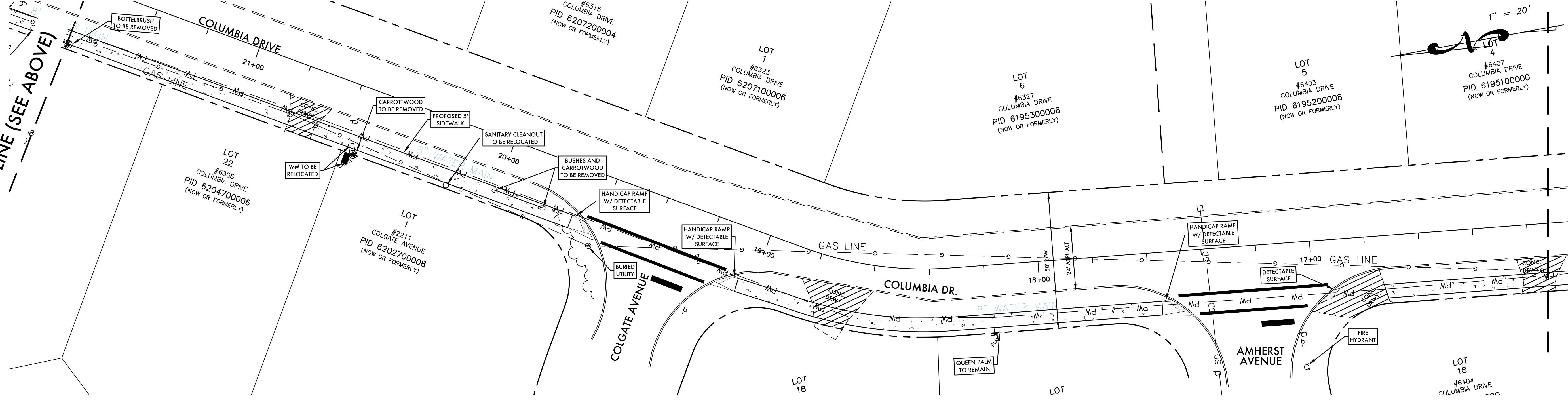
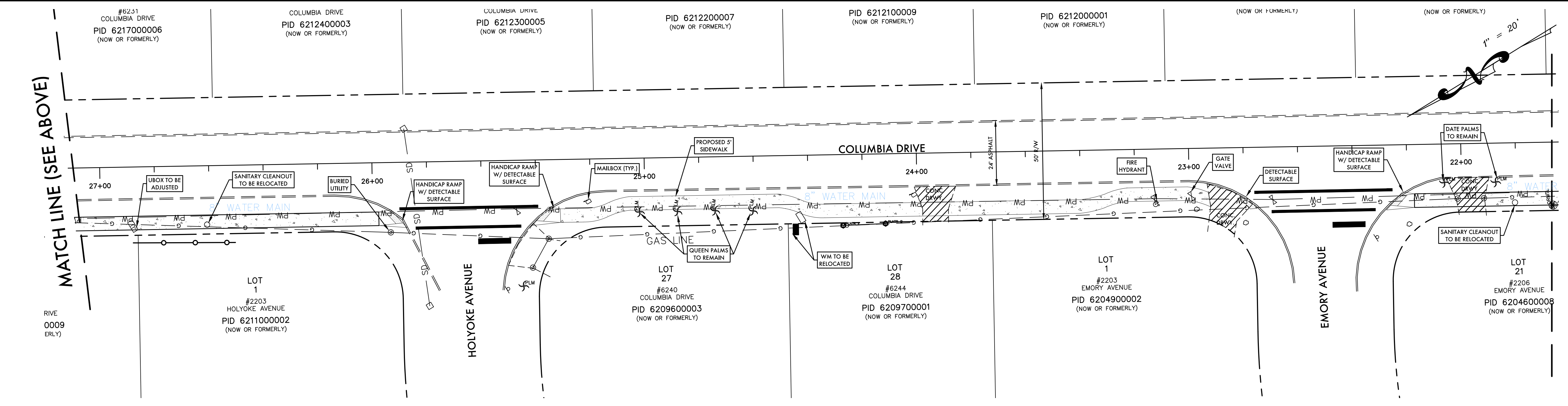
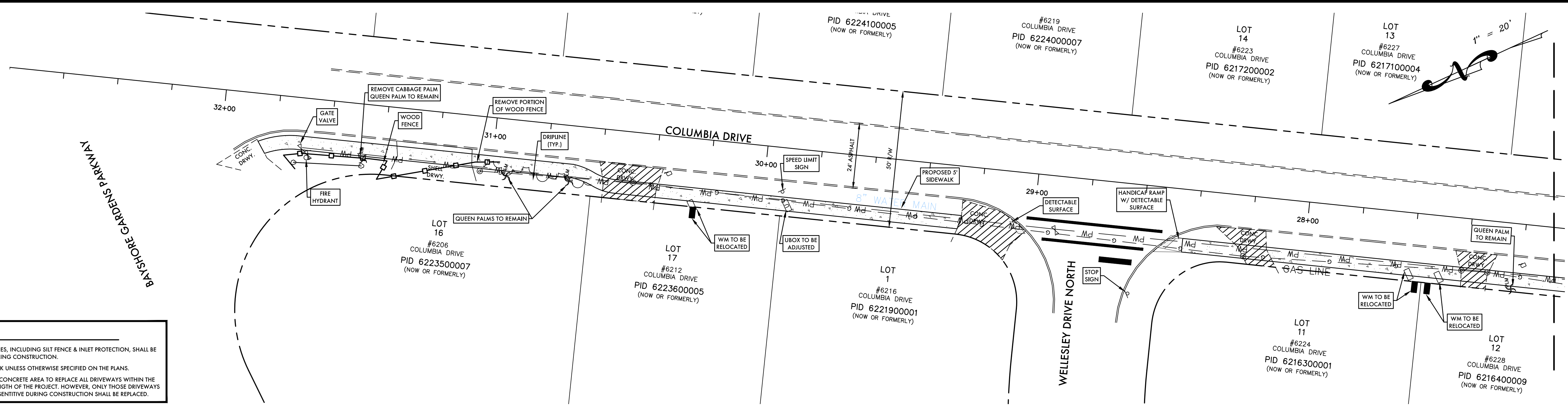
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1000 OFFICE BOX 2448, MANATEE, FL 34464 | 201-961-9000 (EAST MANATEE) | 1-3408  
FAX 941-748-8888 | WWW.ZNSENGINEERING.COM | TERRY@ZNS.COM

**MICHAEL FERDINAND**  
PROFESSIONAL ENGINEER #77792  
SIGNATURE

- NOTES**
1. EROSION CONTROL MEASURES, INCLUDING SILT FENCE & INLET PROTECTION, SHALL BE IN PLACE PRIOR TO AND DURING CONSTRUCTION.
  2. SIDEWALKS SHALL BE 4" THICK UNLESS OTHERWISE SPECIFIED ON THE PLANS.
  3. BID QUANTITIES INCLUDE 6" CONCRETE AREA TO REPLACE ALL DRIVEWAYS WITHIN THE RIGHT-OF-WAY OVER THE LENGTH OF THE PROJECT. HOWEVER, ONLY THOSE DRIVEWAYS DIRECTED BY COUNTY REPRESENTATIVE DURING CONSTRUCTION SHALL BE REPLACED.



MATCH LINE (SEE BELOW)

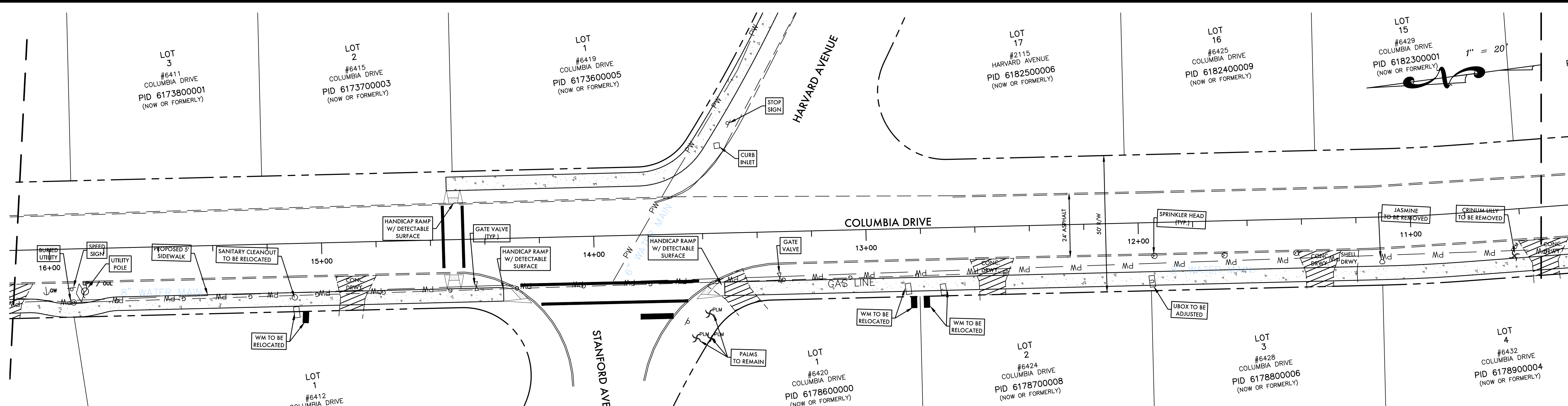
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DRAWN: JRE	DATE: 8.15.2017	SCALE: 1" = 20'																													
JOB NO: 44359																															
<p><b>ZNS ENGINEERING</b>          ENGINEERS   PLANNERS   SURVEYORS          LANDSCAPE ARCHITECTS   ENVIRONMENTAL CONSULTANTS          1005 OFFICE BOX 2448, BAYSHORE, FL 34609   201-961-9400 (EAST BAYSHORE, FL 34608)          EMAIL: ZNS@ZNSENGINEERING.COM   TELEPHONE: 941.748.8884   FAX: 941.748.3316</p>																															
<p><b>COLUMBIA DR. SIDEWALK PLAN</b>          FOR  <b>BAYSHORE GARDENS SIDEWALK</b>          SECTION 15, 22 &amp; 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST          MANATEE COUNTY, FLORIDA</p>																															
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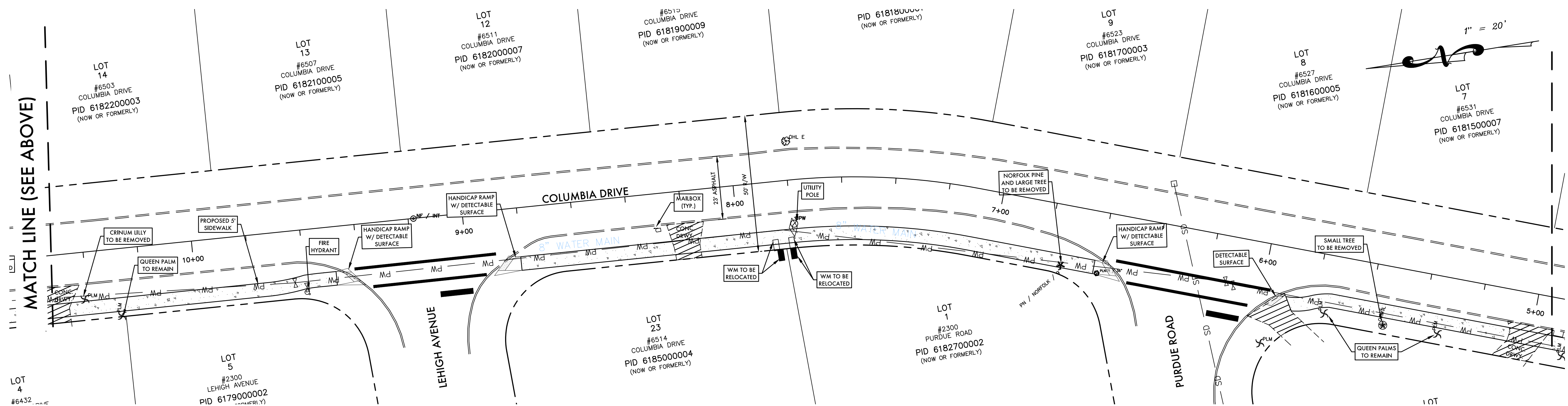
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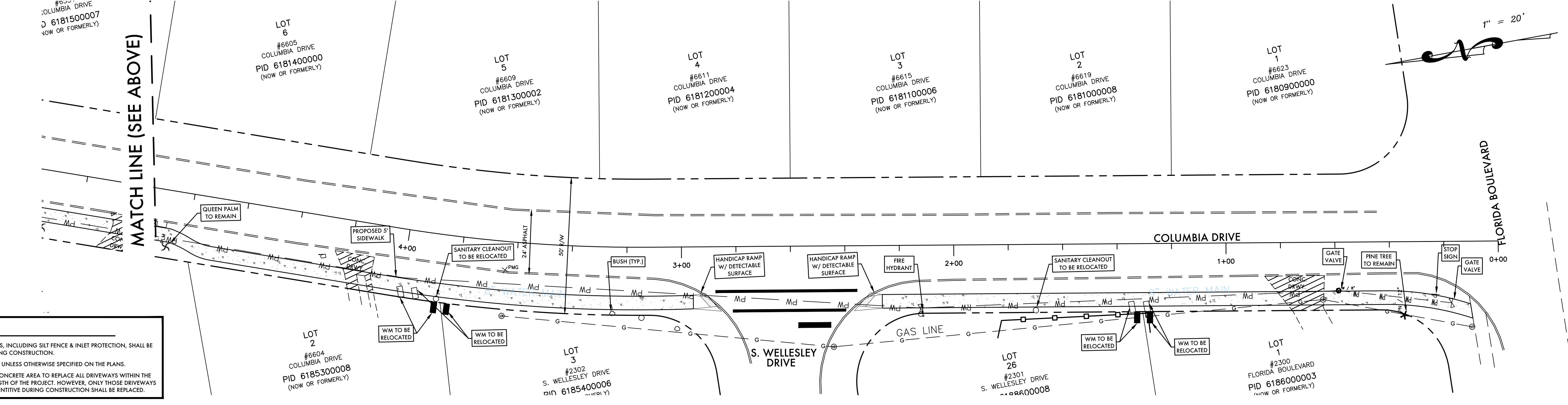
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- NOTES**
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 ENGINEERS | PLANNERS | SURVEYORS  
 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

DESIGNED: ME  
 DRAWN: JRE  
 DATE: 8.15.2017  
 JOB NO: 4839  
 SCALE: 1" = 20'  
 SHEET: 05

**COLUMBIA DR. SIDEWALK PLAN**  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 LOCATED IN  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

REVISIONS

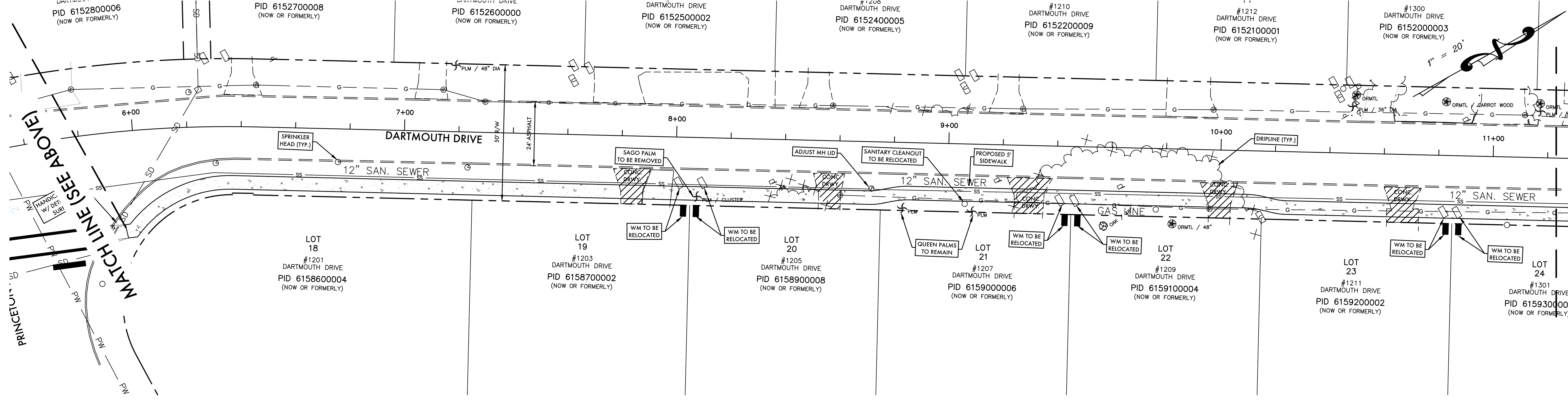
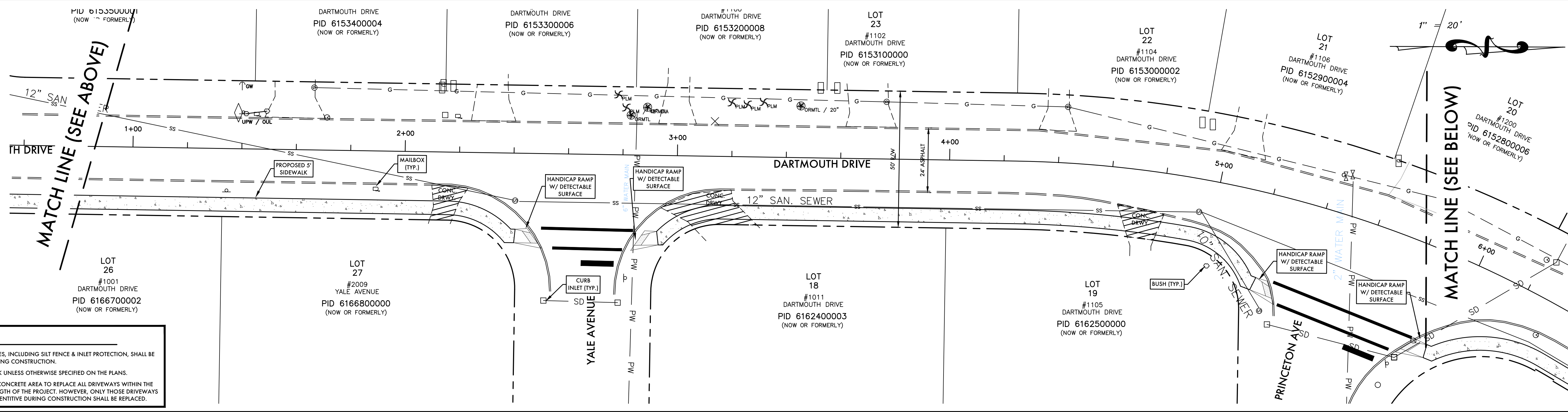
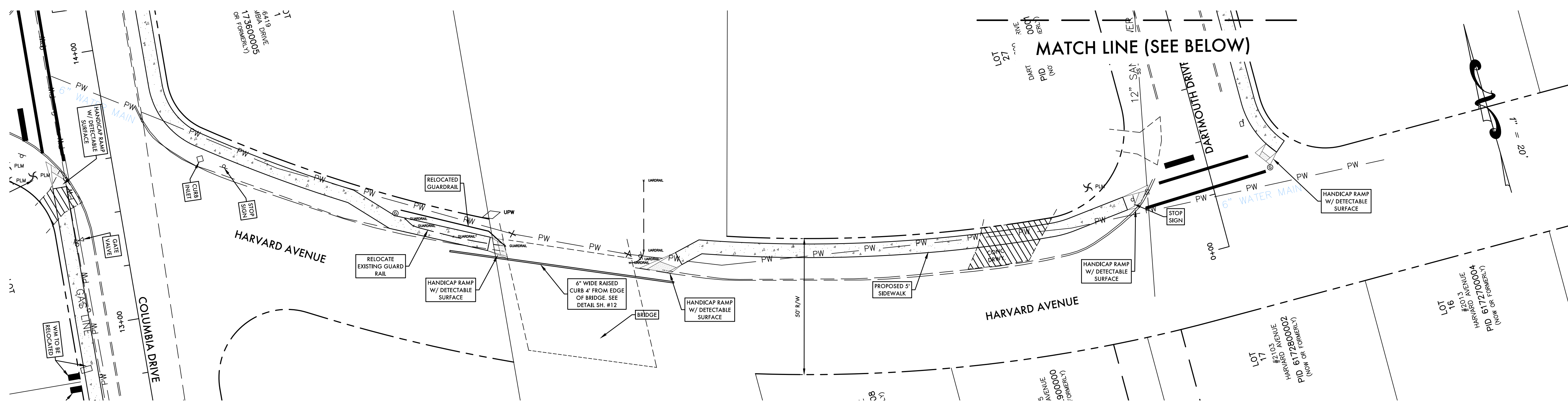
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MICHAEL FERDINAND  
 PROFESSIONAL ENGINEER #77792

1201 SW AVENUE, SUITE 1000, WEST PALM BEACH, FL 33411  
 TEL: 561.833.1111 FAX: 561.833.1112  
 WWW.ZNSENGINEERING.COM

Mon, 21 Aug 2017 - 8:41am W:\Acad\Manatee County\Bayshore Gardens Sidewalk Exp (44359)\ENG\BGS-SIDEWALK.dwg



- NOTES**
1. EROSION CONTROL MEASURES, INCLUDING Silt FENCE & INLET PROTECTION, SHALL BE IN PLACE PRIOR TO AND DURING CONSTRUCTION.
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 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

DESIGNED: ME  
 DRAWN: JRE  
 DATE: 8.15.2017  
 JOB NO: 44359  
 SCALE: 1" = 20'  
 SHEET: 06

HARVARD AVE./DARTMOUTH DR. SIDEWALK PLAN  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

MATCH LINE, SEE SHEET 07

REVISIONS

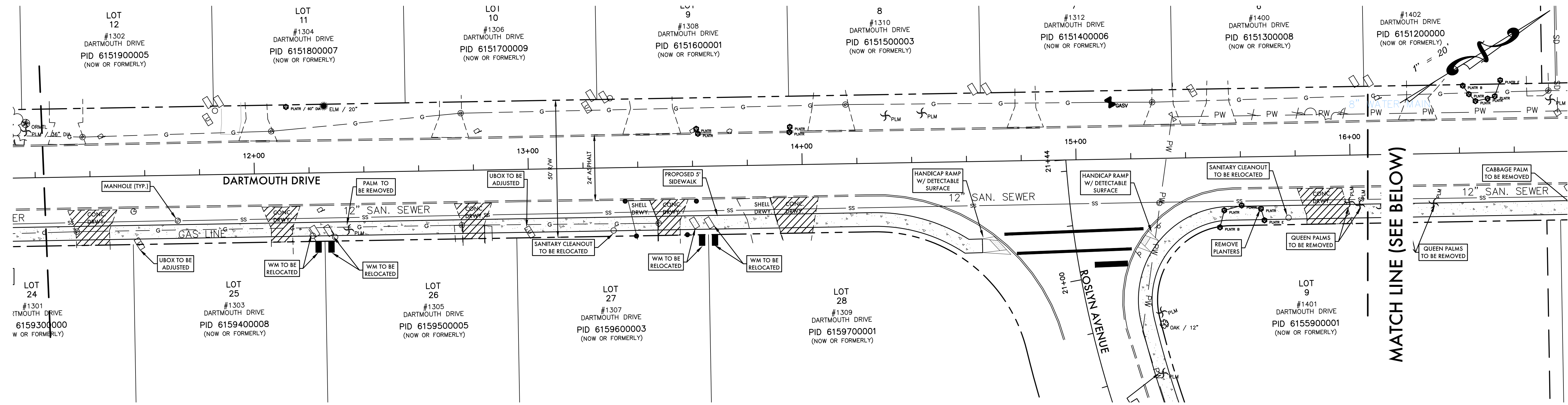
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MICHAEL FERDINAND  
 PROFESSIONAL ENGINEER #77792

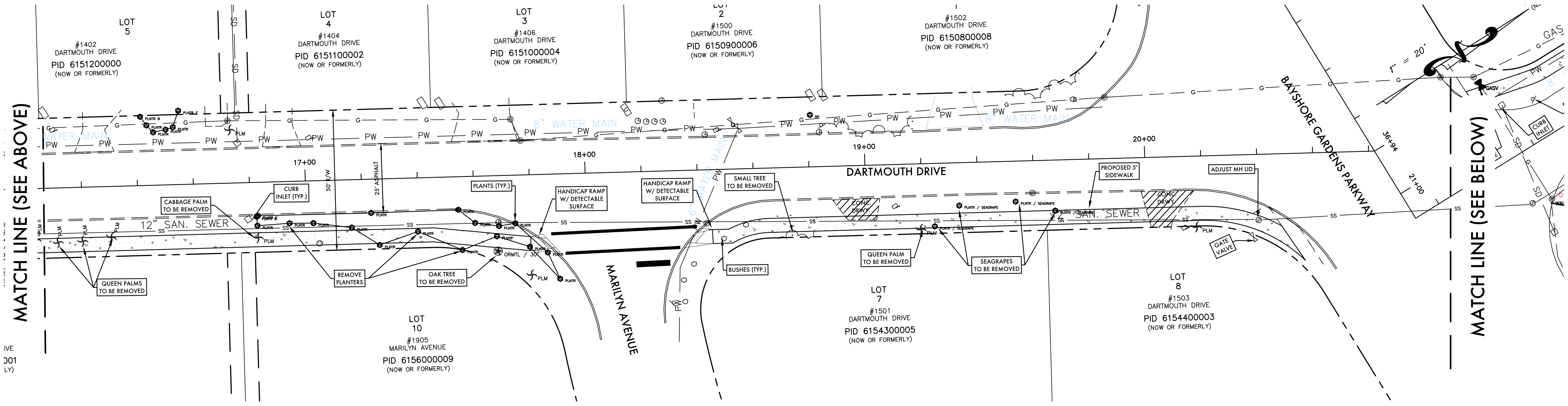
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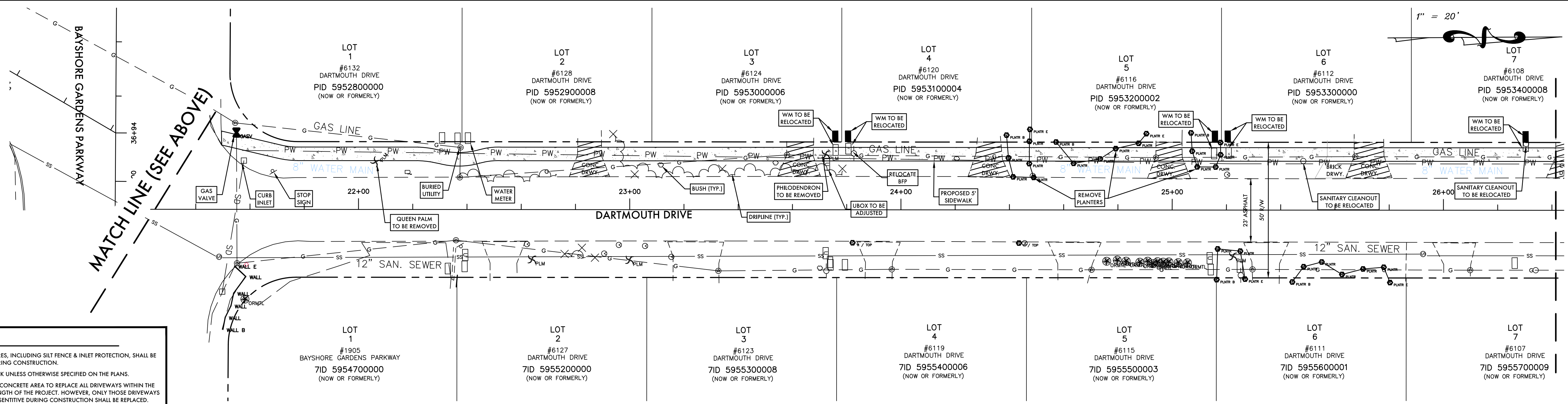
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**NOTES**

- EROSION CONTROL MEASURES, INCLUDING SILT FENCE & INLET PROTECTION, SHALL BE IN PLACE PRIOR TO AND DURING CONSTRUCTION.
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DESIGNED: JRE  
 DRAWN: JRE  
 DATE: 8.15.2017  
 JOB NO: 4839  
 SCALE: 1" = 20'  
 SHEET: 07

DARTMOUTH DR. SIDEWALK PLAN  
 FOR  
 BAYSHORE GARDENS SIDEWALK  
 LOCATED IN  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

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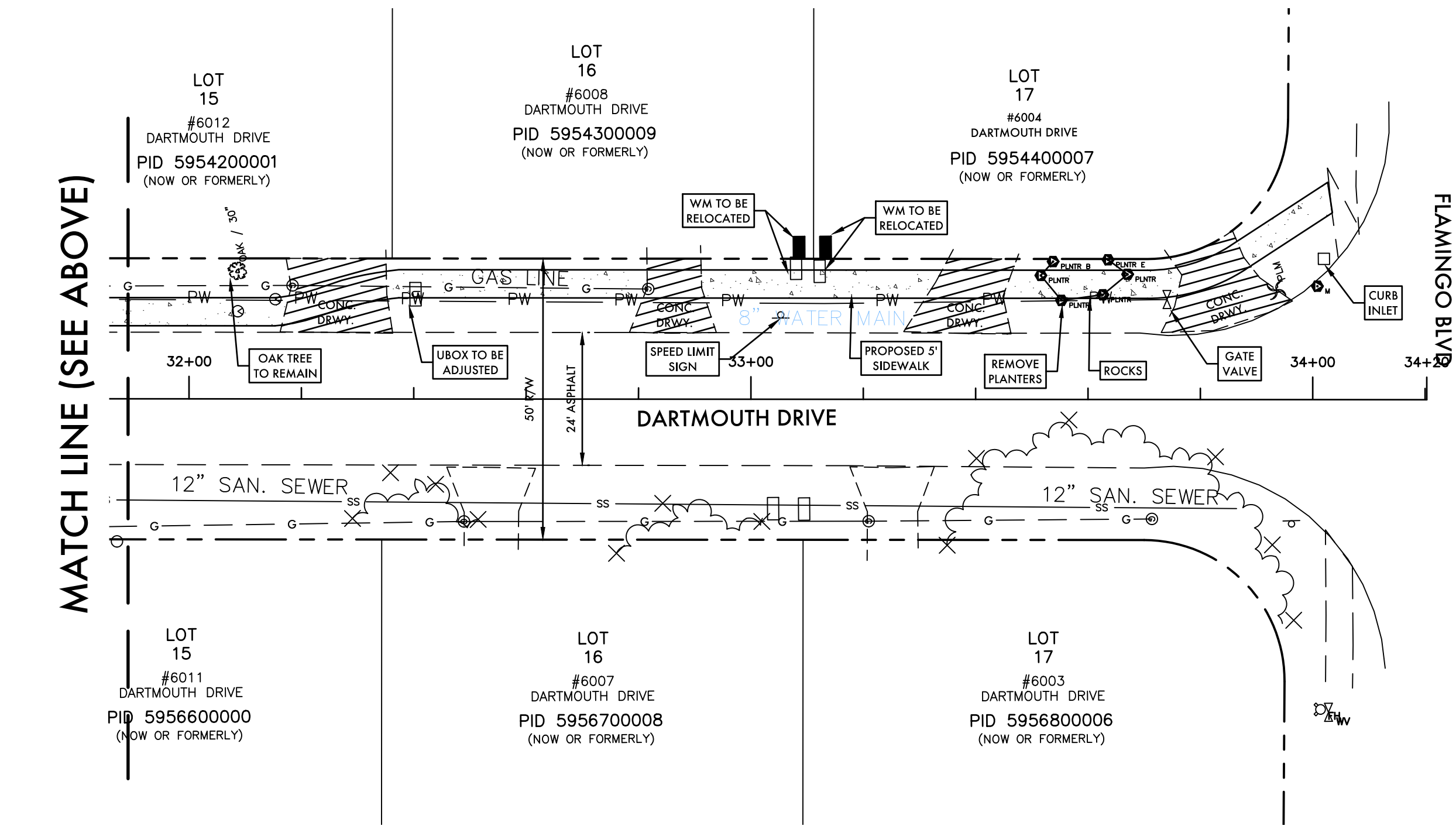
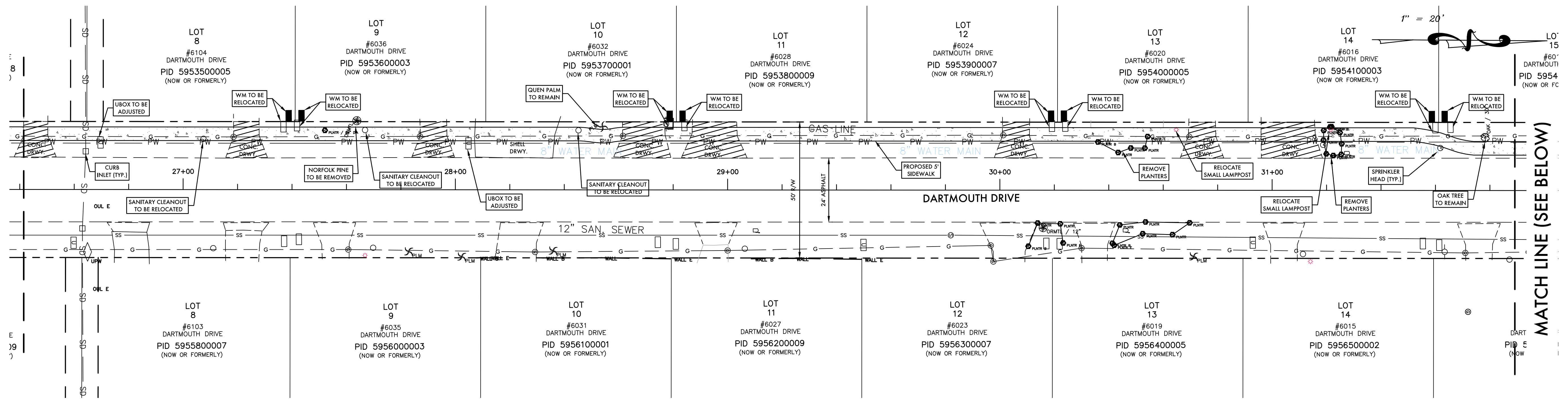
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 ENGINEERS | PLANNERS | SURVEYORS  
 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

1000 OFFICE BOULEVARD, BAYSHORE GARDENS, FL 34608 | 201-96-ARVILLE DRIVE EAST, BAYSHORE, FL 34608  
 EMAIL: ZNS@ZNSENGINEERING.COM | TELEPHONE: 941.748.8886 | FAX: 941.748.3316

MICHAEL FERDINAND  
 PROFESSIONAL ENGINEER #77792

MATCH LINE, SEE SHEET 07

MATCH LINE (SEE BELOW)



- NOTES**
1. EROSION CONTROL MEASURES, INCLUDING SILT FENCE & INLET PROTECTION, SHALL BE IN PLACE PRIOR TO AND DURING CONSTRUCTION.
  2. SIDEWALKS SHALL BE 4" THICK UNLESS OTHERWISE SPECIFIED ON THE PLANS.
  3. BID QUANTITIES INCLUDE 6" CONCRETE AREA TO REPLACE ALL DRIVEWAYS WITHIN THE RIGHT-OF-WAY OVER THE LENGTH OF THE PROJECT. HOWEVER, ONLY THOSE DRIVEWAYS DIRECTED BY COUNTY REPRESENTATIVE DURING CONSTRUCTION SHALL BE REPLACED.

DESIGNED: ME	DATE: 8.15.2017
DRAWN: JR	SCALE: 1" = 20'
DATE: 8.15.2017	
JOB NO: 44359	
SCALE: 1" = 20'	

**DARTMOUTH DR. SIDEWALK PLAN**  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 LOCATED IN  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

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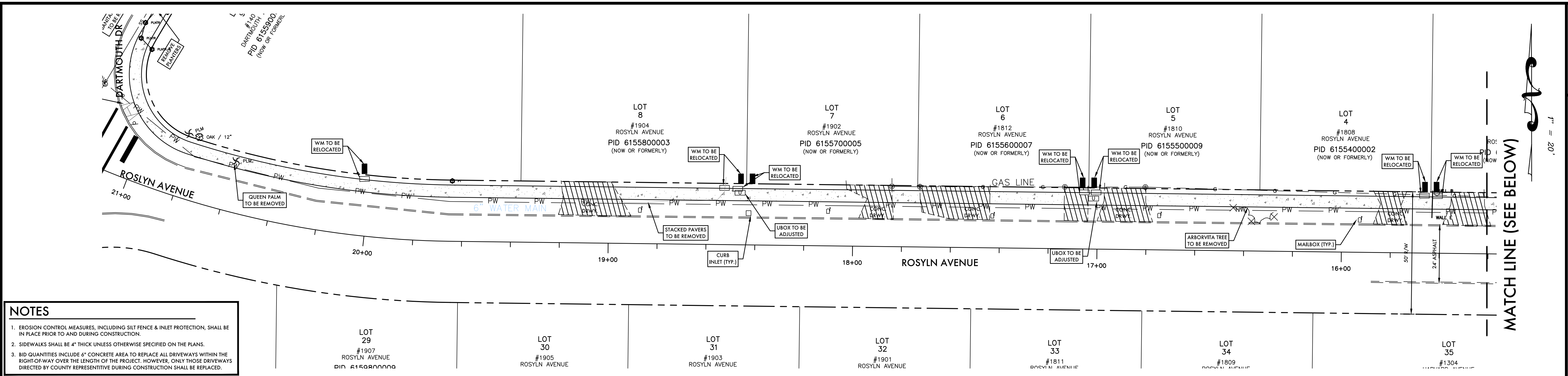
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 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

10000881  
 201 941 WAPLE DRIVE EAST, MANATEE COUNTY, FL 34408  
 TEL: 888.288.8888 | FAX: 941.748.3316

**MICHAEL FERDINAND**  
 PROFESSIONAL ENGINEER #77792  
 SIGNATURE

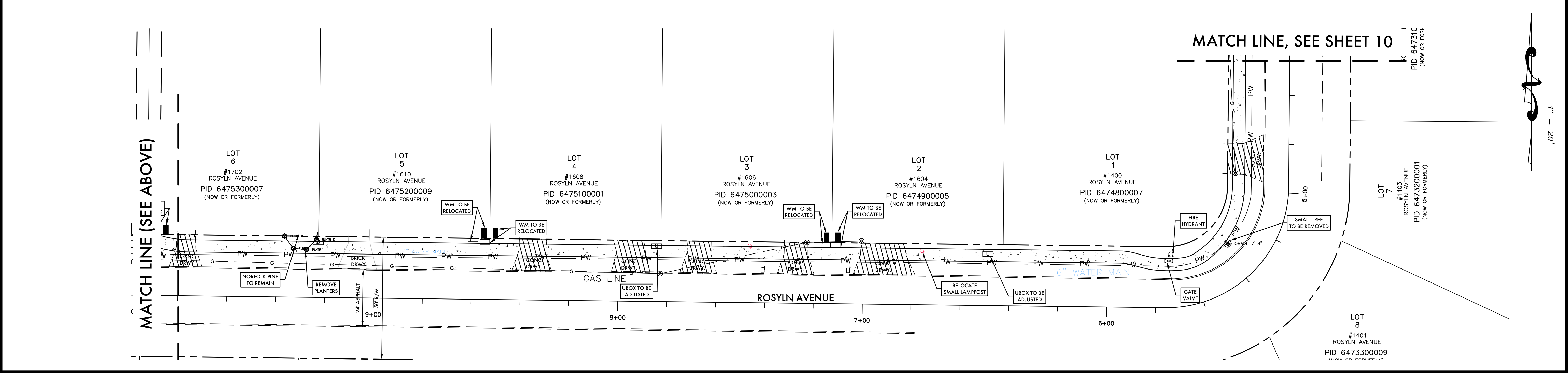
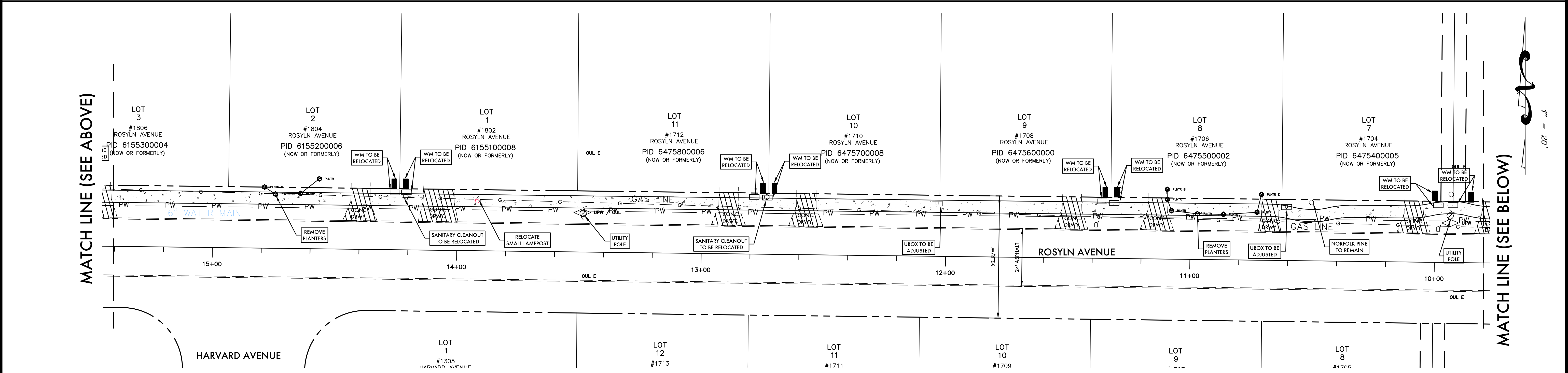


Mon, 21 Aug 2017 8:44am W:\Acad\Manatee County Bayshore Gardens Sidewalk Exp. (44359)\ENG\BGS-SIDEWALK.dwg



**NOTES**

1. EROSION CONTROL MEASURES, INCLUDING SILT FENCE & INLET PROTECTION, SHALL BE IN PLACE PRIOR TO AND DURING CONSTRUCTION.
2. SIDEWALKS SHALL BE 4" THICK UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. BID QUANTITIES INCLUDE 6" CONCRETE AREA TO REPLACE ALL DRIVEWAYS WITHIN THE RIGHT-OF-WAY OVER THE LENGTH OF THE PROJECT. HOWEVER, ONLY THOSE DRIVEWAYS DIRECTED BY COUNTY REPRESENTATIVE DURING CONSTRUCTION SHALL BE REPLACED.



**ZNS ENGINEERING**  
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 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

DESIGNED: ME  
 DRAWN: JRE  
 DATE: 8.15.2017  
 JOB NO: 44359  
 SCALE: 1" = 20'

**ROSLYN AVE SIDEWALK PLAN**  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

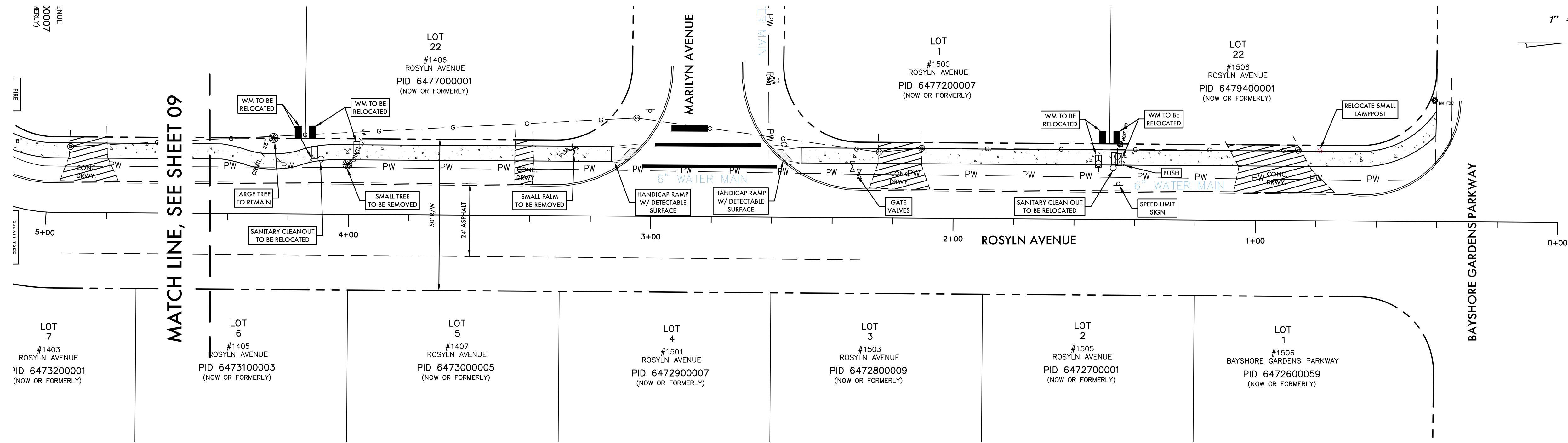
REVISIONS

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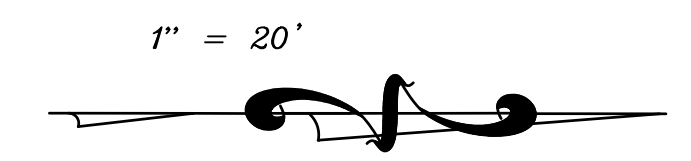
MICHAEL FERDINAND  
 PROFESSIONAL ENGINEER #77792

PROJECT OFFICE: 201 941 AVENUE EAST, BAYSHORE, FL 34608  
 PHONE: 941.748.8888 | FAX: 941.748.3316  
 EMAIL: ZNS@ZNSENGINEERING.COM | WWW.ZNSENGINEERING.COM

SHEET 09



MATCH LINE, SEE SHEET 09



- NOTES**
1. EROSION CONTROL MEASURES, INCLUDING SILT FENCE & INLET PROTECTION, SHALL BE IN PLACE PRIOR TO AND DURING CONSTRUCTION.
  2. SIDEWALKS SHALL BE 4" THICK UNLESS OTHERWISE SPECIFIED ON THE PLANS.
  3. BID QUANTITIES INCLUDE 6" CONCRETE AREA TO REPLACE ALL DRIVEWAYS WITHIN THE RIGHT-OF-WAY OVER THE LENGTH OF THE PROJECT. HOWEVER, ONLY THOSE DRIVEWAYS DIRECTED BY COUNTY REPRESENTATIVE DURING CONSTRUCTION SHALL BE REPLACED.

DESIGNED: ME	DATE: 8.15.2017	SHEET: 10
DRAWN: JR	JOB NO: 44359	
SCALE: 1" = 20'		

**ROSLYN AVE SIDEWALK PLAN**  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 LOCATED IN  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA

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REVISIONS

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 ENGINEERS | PLANNERS | SURVEYORS  
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1000 OFFICE BOULEVARD, MANATEE COUNTY, FL 34606 | 201 961 9000 | FAX 941 748 3316  
 EMAIL: ZNS@ZNSENG.COM | WWW.ZNSENGINEERING.COM

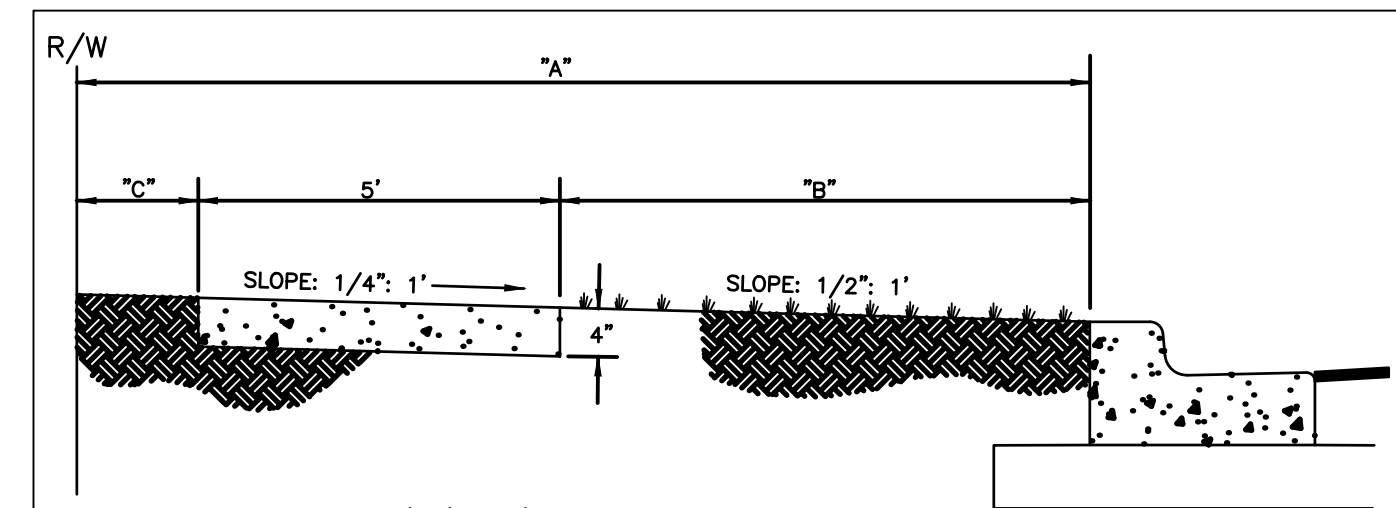
**MICHAEL FERDINAND**  
 PROFESSIONAL ENGINEER #77792  
 SIGNATURE

GENERAL NOTES

- SIDEWALK SHALL BE CONSTRUCTED A MINIMUM OF 4" THICK, USING 3000 PSI CONCRETE. WHERE SIDEWALK BISECTS A DRIVEWAY, THE MINIMUM SHALL BE 6" OF CLASS 1 CONCRETE REINFORCED WITH 6"x6" #10 WIRE MESH.
  - \* SEE SHEETS #101.2 & 101.3.
- ALL SIDEWALKS SHALL BE CONSTRUCTED TO THE SPECIFICATIONS OF THE MANATEE COUNTY LAND DEVELOPMENT CODE SECTION 722. A MINIMUM (5) FOOT WIDE SIDEWALK SHALL BE INSTALLED ALONG THE NORTH AND WEST SIDES OF ALL NEW LOCAL STREETS WHICH ARE CONSTRUCTED IN CONJUNCTION WITH A NEW RESIDENTIAL DEVELOPMENT. A SIDEWALK A MINIMUM OF (5) FEET IN WIDTH SHALL BE INSTALLED ON BOTH SIDES OF ALL THOROUGHFARES. REFER TO F.D.O.T. ROADWAY AND TRAFFIC STANDARDS, LATEST REVISION FOR CURB CUT RAMP SPECIFICATIONS.
- THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL NOT BE MORE THAN 1/4" UNDER A TEN FOOT STRAIGHTEDGE, NOR MORE THAN 1/8" ON A FIVE-FOOT TRAVERSE SECTION. THE EDGE OF THE SIDEWALK SHALL BE CAREFULLY FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".
- EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE SIDEWALKS AND THE CURB OR DRIVEWAY OR AT FIXED OBJECTS AND SIDEWALK INTERSECTIONS SHALL BE 1/2" MATERIAL SHALL MEET THE REQUIREMENTS OF AASHTO M153 OR AASHTO M213. FOR LONG JOINTS, AN EXPANSION JOINT SHALL BE PLACED AT INTERVALS NOT TO EXCEED 120'.
- CONTRACTION JOINTS:
  - OPEN TYPE JOINTS
    - OPEN TYPE CONTRACTION JOINTS SHALL BE FORMED BY STAKING A METAL BULKHEAD IN PLACE AND DEPOSITING THE CONCRETE ON BOTH SIDES. AFTER THE CONCRETE HAS SET SUFFICIENTLY TO PRESERVE THE WIDTH AND THE SHAPE OF THE JOINT, THE BULKHEAD SHALL BE REMOVED. AFTER THE SIDEWALK HAS BEEN FINISHED OVER THE JOINT, THE SLOT SHALL BE FINISHED WITH A TOOL HAVING A 1/2" RADIUS.
  - SAWED JOINTS
    - A SLOT APPROXIMATELY 3/16" WIDE AND NOT LESS THAN 1" DEEP AT 10' CENTERS SHALL BE CUT WITH A CONCRETE SAW AFTER THE CONCRETE HAS SET.
- SIDEWALKS ALONG OTHER STREETS SHALL BE CONSTRUCTED AND DEDICATED AS REQUIRED BY THE APPROVING AUTHORITY WHEN NECESSARY TO CONTINUE AN EXISTING OR PROPOSED SIDEWALK.
- HANDICAP RAMPS SHALL MEET FLORIDA ACCESSIBILITIES STANDARDS, AND SECTIONS 301.0, 301.1 AND 301.2.
- ALL SIDEWALKS ON R/W WITHIN 10' OF AN EXISTING OR PROPOSED TREE THAT WILL EXCEED 6" IN DIAMETER AT MATURITY SHALL BE 5" THICK AND CONTAIN 2-#3 REBAR CENTERED VERTICALLY AND SPACED 3' ON CENTER. PALMS ARE NOT CONSIDERED TREES.

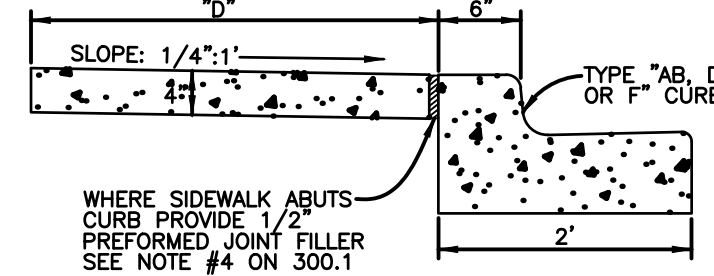
\*NOTE: FOR COMPLETE SIDEWALK DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 6 AND INDEX 310, SHEETS 1 & 2.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		SIDEWALKS GENERAL NOTES	301.0
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



A= BACK OF CURB TO R/W (VARIES)  
B= UNPAVED AREA (VARIES). REFER TO F.D.O.T. GREEN BOOK, TABLE 3-12, LATEST REVISION.  
C= VARIES, SEE 401 SERIES

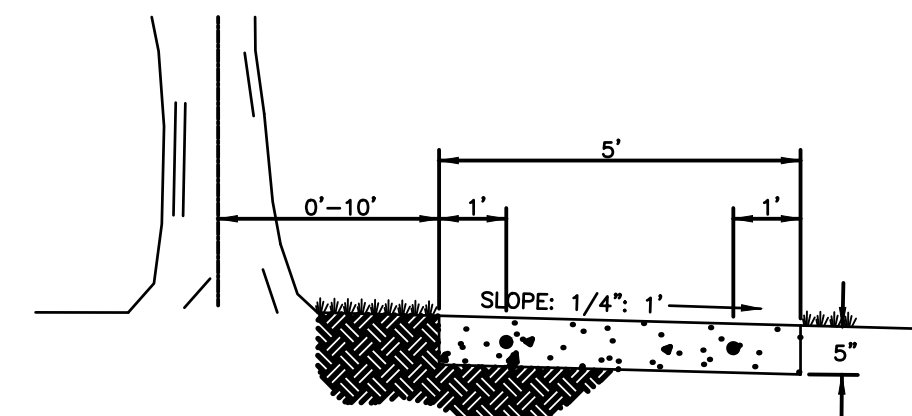
TYPICAL SIDEWALK LOCATION



D= SIDEWALK WIDTH SHALL BE 6" STANDARD, WHERE WALK ABUTS TYPE "AB, D OR F" CURB. WHERE SPEED LIMIT IS 25 MPH OR LESS, WIDTH CAN BE 5"-6".

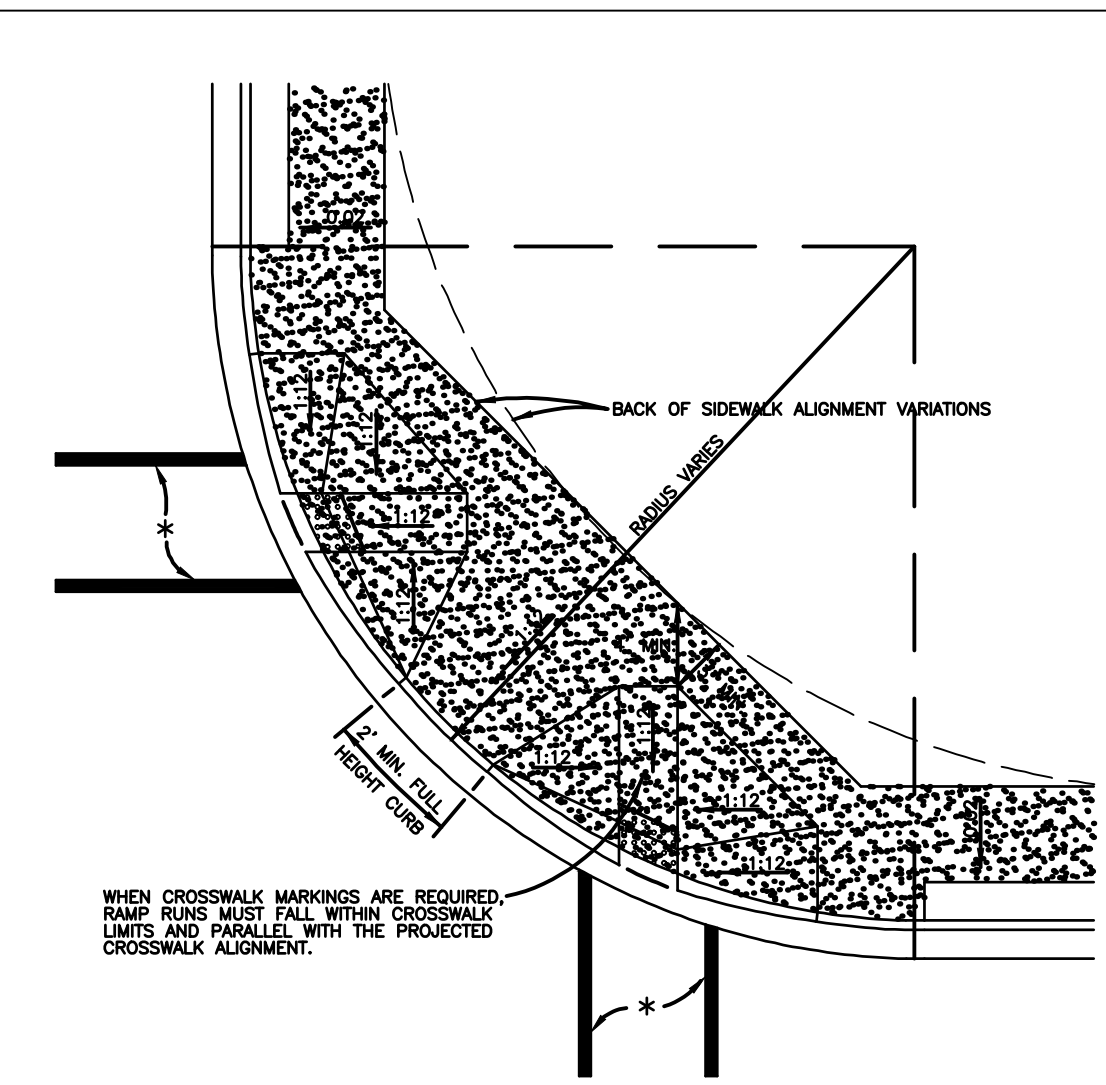
\* SEE SHEET 300.1 "GENERAL NOTES" FOR FURTHER INFORMATION

ALTERNATE SIDEWALK LOCATION



SIDEWALK LOCATION CLOSE TO TREES

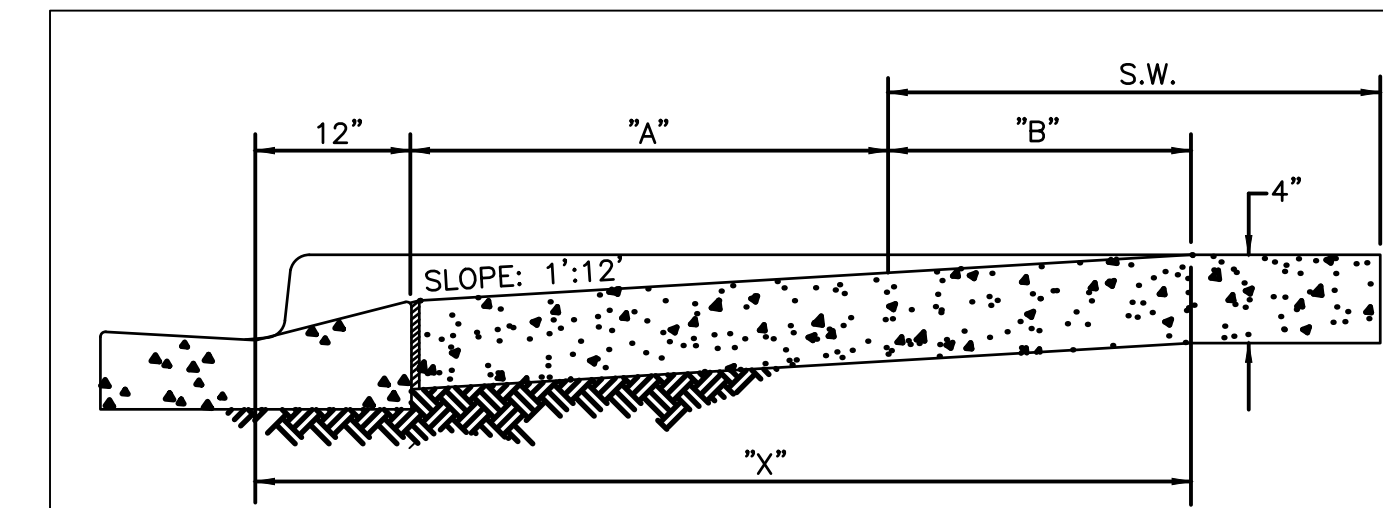
MANATEE COUNTY TRANSPORTATION DEPARTMENT		SIDEWALK REQUIREMENTS	301.1
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



- CURB CUT RAMPS ARE TO BE LOCATED AS SHOWN ON PLANS.
- SEE SHEETS # 300.1 "GENERAL NOTES" & # 301.2 "HANDICAPPED RAMP" SHT 2 FOR FURTHER REQUIREMENTS.
- RADIUS OF CURB VARIES AS FOLLOWS:
  - A) 25' RAD. LOCAL STREET WITH ALLEY.
  - B) 25' RAD. LOCAL STREET WITH LOCAL STREET.
  - C) 35' RAD. LOCAL STREET WITH THOROUGHFARE OR COLLECTOR.
  - D) 50' RAD. THOROUGHFARE WITH THOROUGHFARE.
- CURB RADIUS SHOULD BE A MINIMUM OF 50' WHERE INDUSTRIAL AND BUS TRAFFIC (5% OR MORE) IS ANTICIPATED ON LOWER CLASSIFICATION ROADWAYS.
- BOTH LOCATION OPTIONS FOR HANDICAPPED RAMP ARE SHOWN. ENGINEER MAY SELECT EITHER, WHICHEVER FITS THE SITUATION.

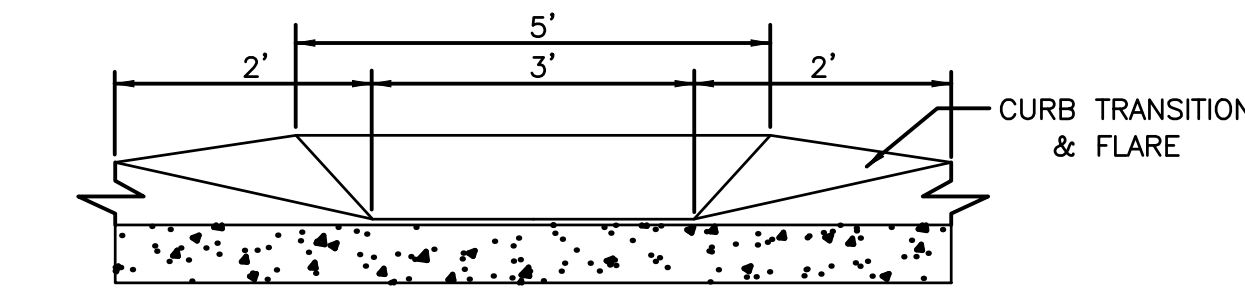
\*NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 5.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		HANDICAPPED RAMP SHEET 1	302.1
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



SECTION A-A  
(SEE SHEET 301.0)

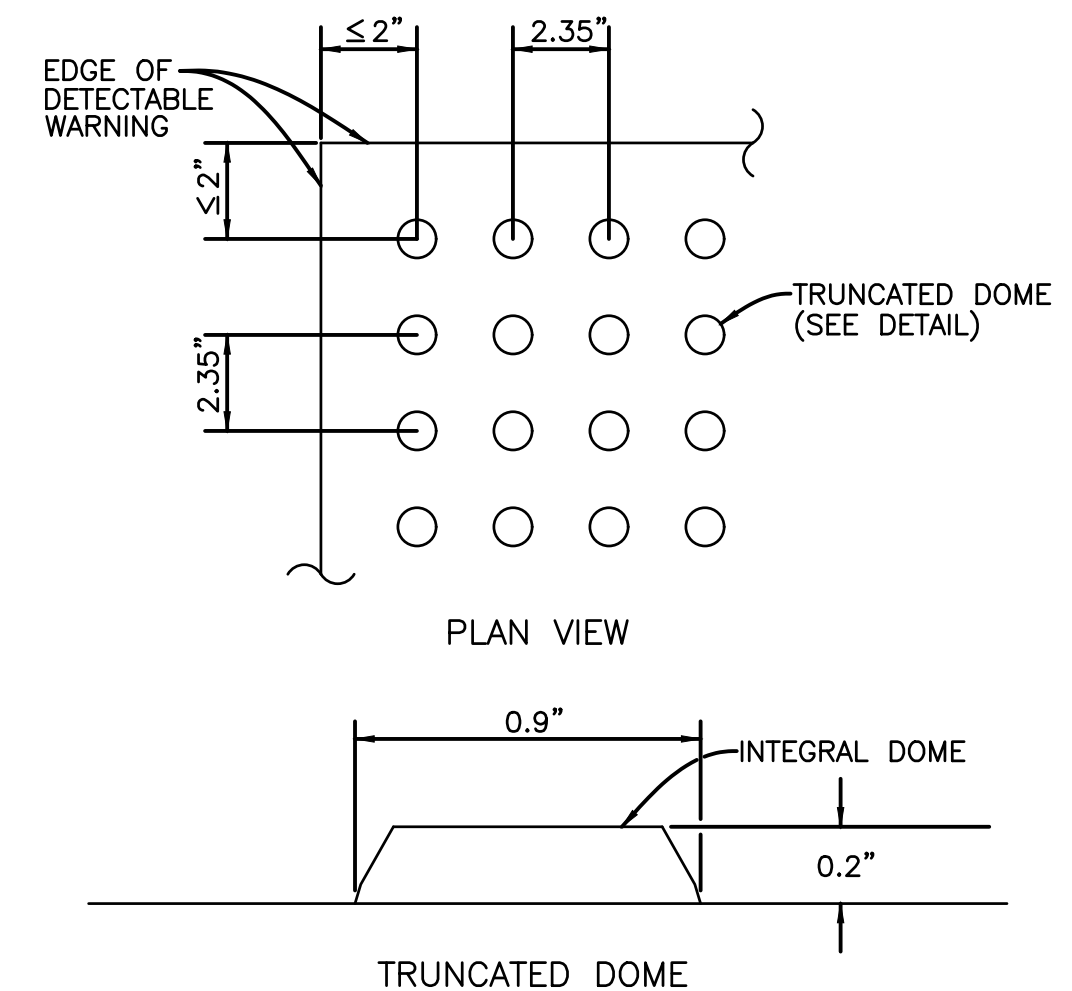
S.W. = SIDEWALK	"A"	S.W. + A + 10"	"X"	"B"
5'-0"	0	5.8'	5.8'	5'
6'-0"	0	6.8'	6.8'	6'
7'-0"	0	7.8'	7.3'	6.5'
8'-0"	0	8.8'	7.3'	6.5'
5'-2"	2'	7.8'	7.8'	5'
5'-2.5"	2.5'	8.3'	8.1'	4.8'
5'-3"	3'	8.3'	8.2'	4.4'
5'-3.5"	3.5'	9.3'	8.4'	4.1'
5'-4"	4'	9.8'	8.6'	3.8'
5'-4.5"	4.5'	10.3'	8.7'	3.4'
5'-5"	5'	10.8'	9.1'	3.1'



SECTION B-B  
(SEE SHEET 301.0)

\*NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 6.

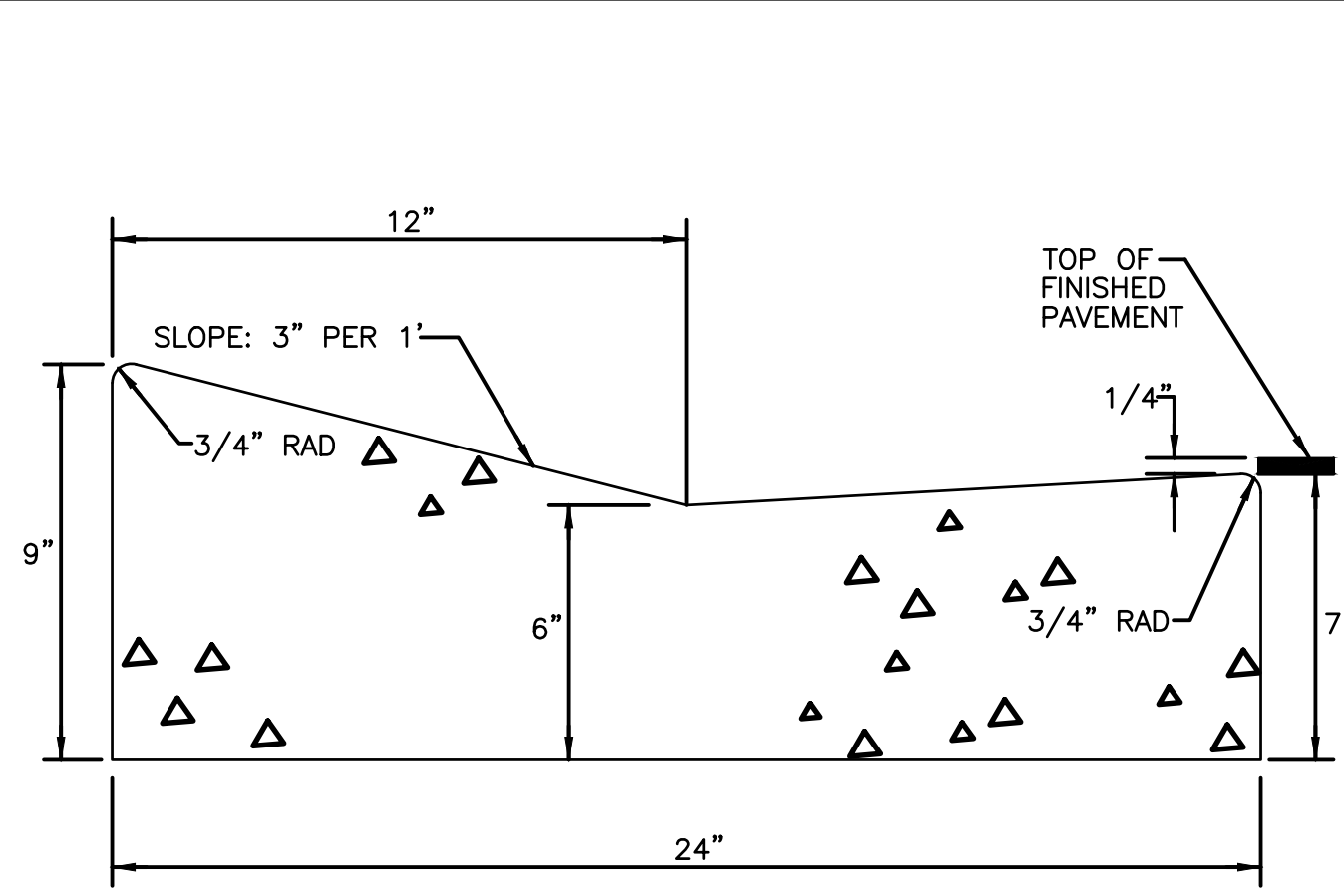
MANATEE COUNTY TRANSPORTATION DEPARTMENT		HANDICAPPED RAMP SHEET 2	302.2
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



CURB RAMP DETECTABLE WARNING DETAIL

- NOTES:
- DETECTABLE WARNINGS ON WALKING SURFACES**
- THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP.
- DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCH AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
- THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.
- THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%. CONTRAST IN PERCENT IS DETERMINED BY:
- $$\text{CONTRAST} = \frac{[(B1 - B2) / B1] \times 100}{1}$$
- WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA.
- NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THUS, B1 NEVER EQUALS 100 AND B2 IS ALWAYS GREATER THAN 0.

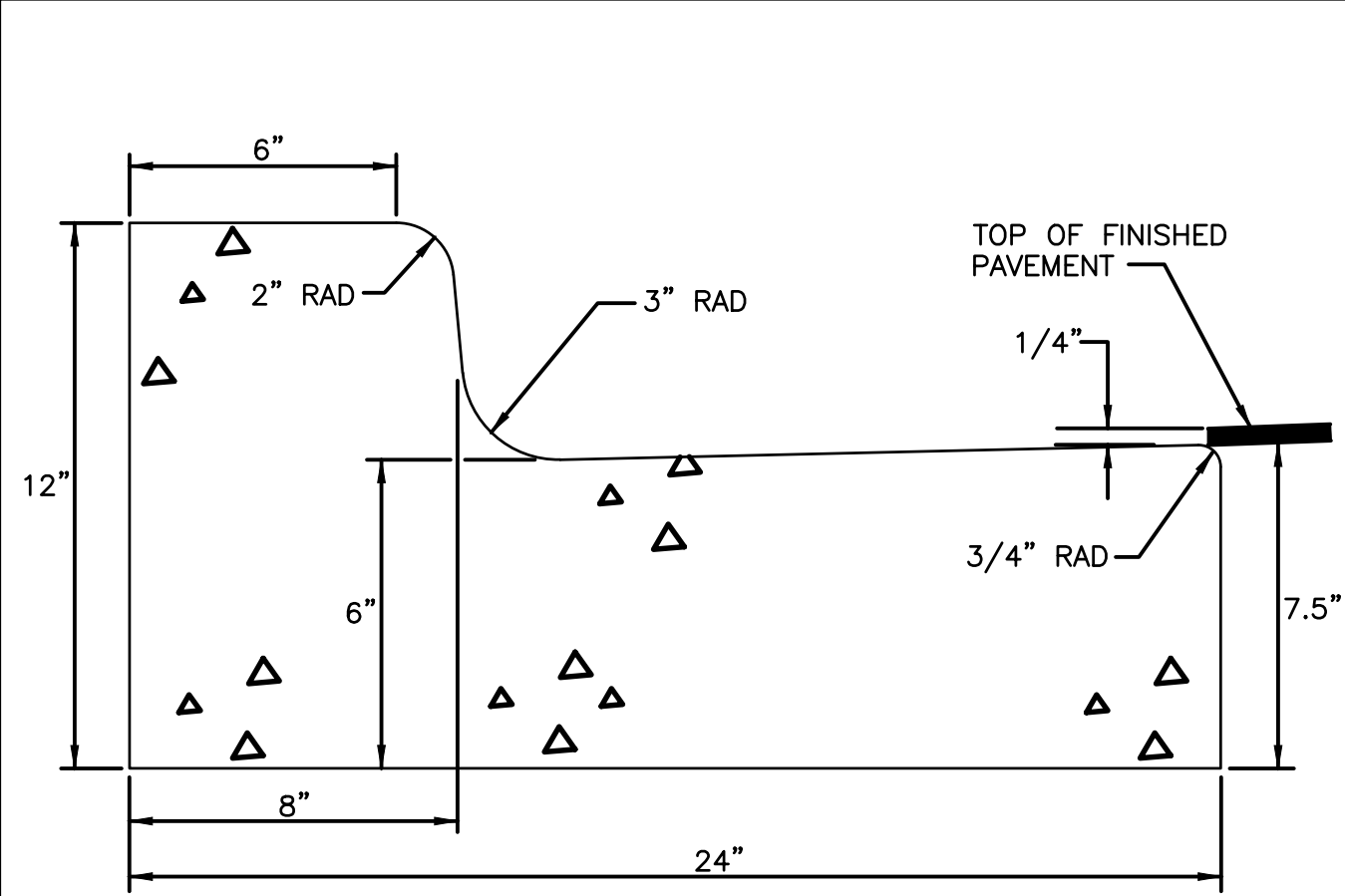
MANATEE COUNTY TRANSPORTATION DEPARTMENT		CURB RAMP DETECTABLE WARNINGS	302.3
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



TYPE "A"  
MIAMI CURB & GUTTER

- CLASS 1 CONCRETE 3,000 P.S.I. AT 28 DAYS.
- CURB AND GUTTER SHALL MEET THE SPECIFICATIONS ESTABLISHED BY FLORIDA D.O.T. STANDARD SPECIFICATIONS PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 300, LATEST REVISION.

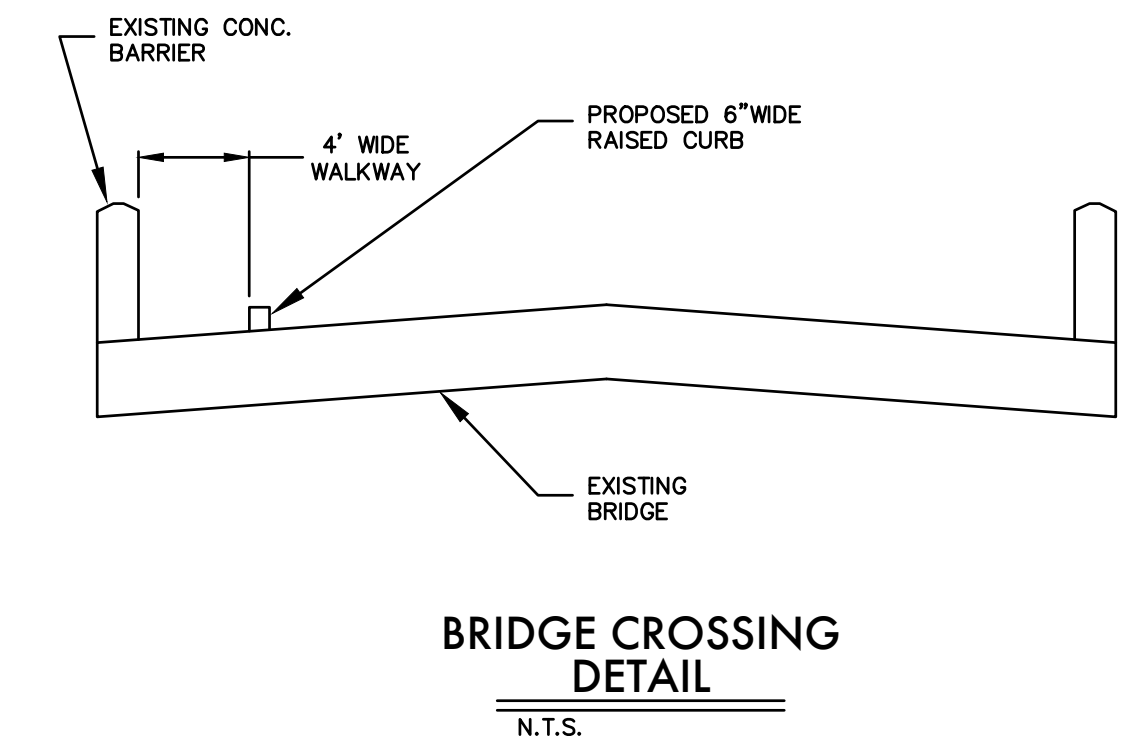
MANATEE COUNTY TRANSPORTATION DEPARTMENT		TYPE A MIAMI CURB & GUTTER	201.1
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



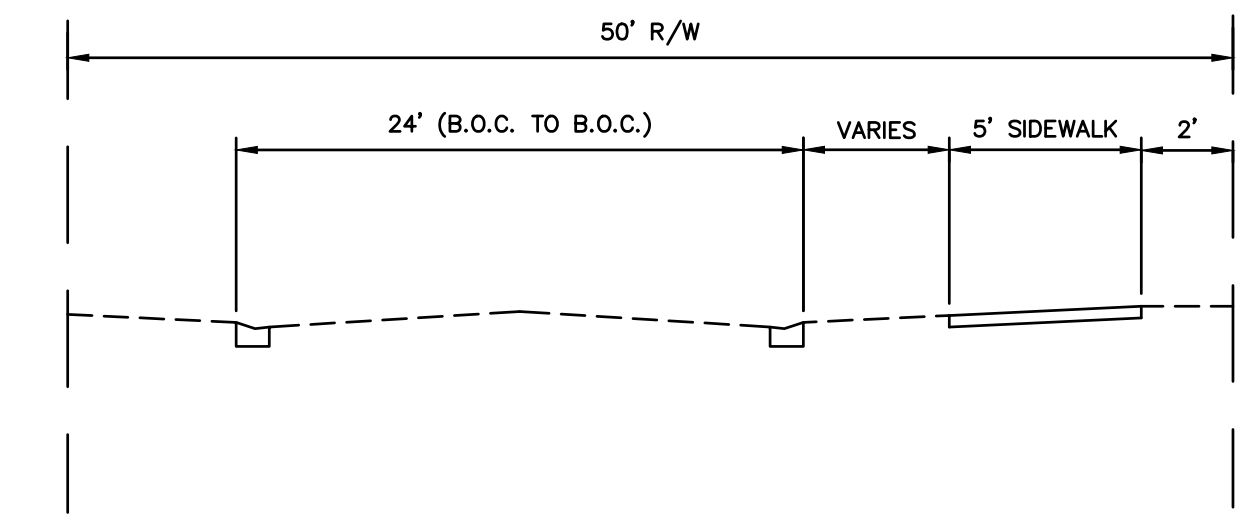
TYPE "F" BARRIER CURB & GUTTER

- CLASS 1 CONCRETE 3,000 P.S.I. AT 28 DAYS.
- CURB AND GUTTER SHALL MEET THE SPECIFICATIONS ESTABLISHED BY FLORIDA D.O.T. STANDARD SPECIFICATIONS PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 300, LATEST REVISION.

MANATEE COUNTY TRANSPORTATION DEPARTMENT		TYPE F CURB & GUTTER	201.2
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



BRIDGE CROSSING  
DETAIL  
N.T.S.



TYPICAL SECTION  
N.T.S.

NOTE: BID QUANTITIES INCLUDE 6" CONCRETE AREA TO REPLACE ALL DRIVEWAYS WITHIN THE RIGHT-OF-WAY OVER THE LENGTH OF THE PROJECT. HOWEVER, ONLY THOSE DRIVEWAYS DIRECTED BY COUNTY REPRESENTATIVE DURING CONSTRUCTION SHALL BE REPLACED.

Mon, 21 Aug 2017 8:45am W:\Acad\Manatee County Bayshore Gardens Sidewalk Exp (44359)\ENG\BSSG SD1.dwg

MICHAEL FERDINAND  
PROFESSIONAL ENGINEER #77752

**ZNS ENGINEERING**

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ARCHITECTS | ENVIRONMENTAL CONSULTANTS

LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

POST OFFICE BOX 9448 BRADSDEN, FL 34205 | 201 96 AVENUE DRIVE EAST BRADSDEN, FL 34208  
EMAIL: ZNS@ZNSENGINEERING.COM | TELEPHONE: 941 748 8800 | FAX: 941 748 3316

REVISED	NO.	DATE	BY	REASON

**SIDEWALK DETAILS**  
FOR  
**BAYSHORE GARDENS SIDEWALK**  
LOCATED IN  
SECTION 15, 22 & 23, TOWNSHIP 33 SOUTH, RANGE 17 EAST  
MANATEE COUNTY, FLORIDA

DESIGNED	DATE	SCALE	SHEET

**STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM**

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name: \_\_\_\_\_ FDEP NPDES Stormwater Identification Number: \_\_\_\_\_  
 FFLR10 \_\_\_\_\_

Location	Rain data	Type of control (see below)	Date installed /modified	Current Condition (see below)	Corrective Action/ Other Remarks

Condition Code:  
 G = Good M = Marginal, needs maintenance or replacement soon P = Poor, needs immediate maintenance or replacement  
 C = Needs to be cleaned O = Other

Control Type Codes	
1. Silt Fence	10. Storm drain inlet protection
2. Earth dikes	11. Vegetative buffer strip
3. Structural diversion	12. Vegetative preservation area
4. Swale	13. Retention Pond
5. Sediment Trap	14. Construction entrance stabilization
6. Check dam	15. Perimeter ditch
7. Subsurface drain	16. Curb and gutter
8. Pipe slope drain	17. Paved road surface
9. Level spreaders	18. Rock outlet protection
19. Reinforced soil retaining system	20. Gabion
21. Sediment Basin	22. Temporary seed / sod
23. Permanent seed / sod	24. Mulch
25. Hay Bales	26. Geotextile
27. Rip-rap	28. Tree protection
29. Detention pond	30. Retention pond
31. Waste disposal / housekeeping	32. Dam
33. Sand Bag	34. Other

Inspector Information:

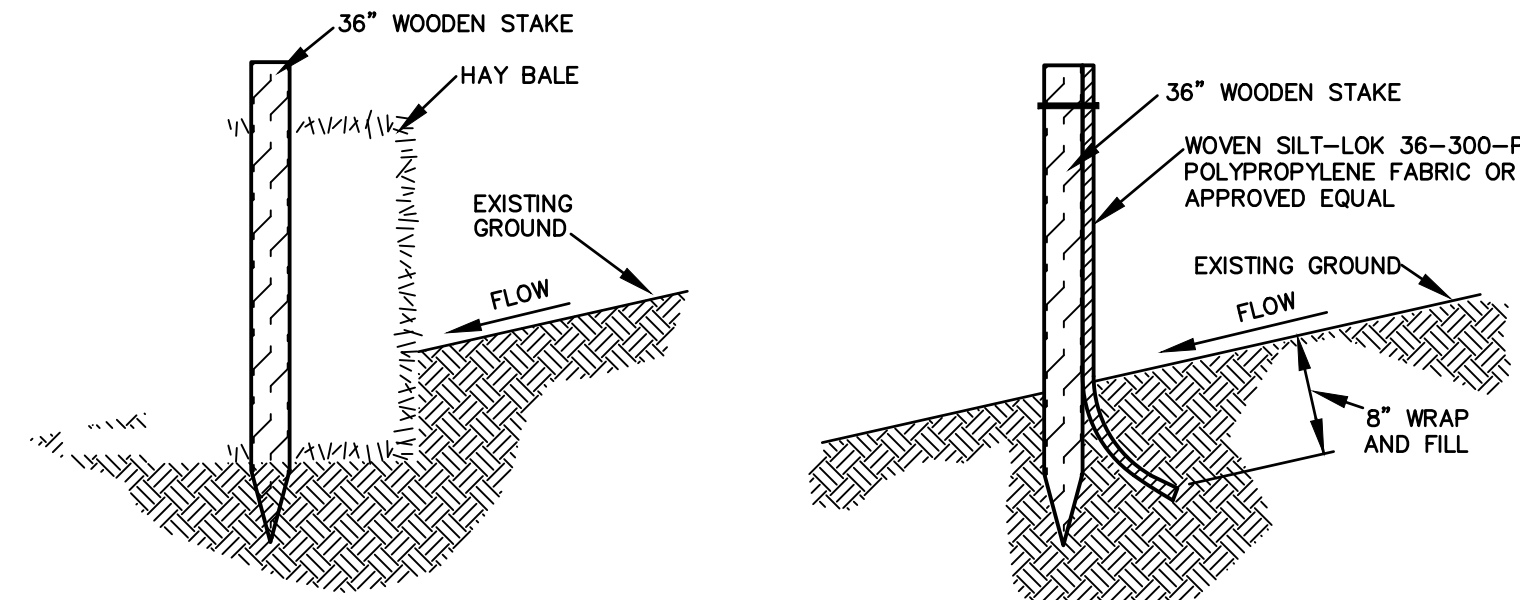
Name \_\_\_\_\_ Qualification \_\_\_\_\_ Date \_\_\_\_\_  
 The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name (Responsible Authority) \_\_\_\_\_ Date \_\_\_\_\_

**STORMWATER POLLUTION PREVENTION PLAN**

- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE "STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM", WHICH WILL BE KEPT ON SITE BY THE CONTRACTOR. INSPECTIONS MUST OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.50 INCHES OR GREATER.



**STAKED HAY BALE DETAIL STAKED SILT BARRIER DETAIL**

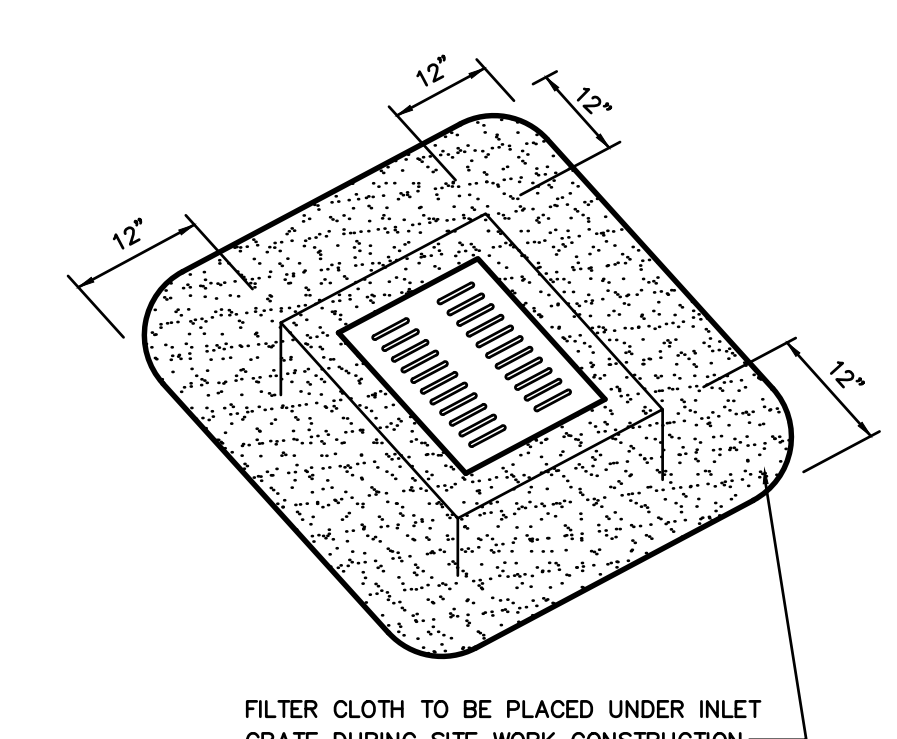
**EROSION CONTROL NOTES:**

- TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED HAYBALES, STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS ARE TO BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION

**SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND THEN VERIFIED/INSPECTED BY MANATEE COUNTY ENVIRONMENT PLANNING (742-5980) PRIOR TO COMMENCEMENT OF CONSTRUCTION.**

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SEDIMENTATION BARRIERS IN A WORKING MANNER FOR THE DURATION OF CONSTRUCTION AND SHOULD BE CHECKED DAILY. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN UPLAND AREAS. IN ADDITION TO SPECIFIED EROSION CONTROL LOCATIONS, THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR POTENTIAL EROSION PROBLEMS. IF PROBLEMS OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING APPROPRIATE EROSION CONTROL IMMEDIATELY. STORMWATER TREATMENT FACILITIES INCLUDING OUTFALL PER DETAIL ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO OFF-SITE UNTREATED RUN-OFF OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND

- N.T.S.
- CONTRACTOR TO KEEP CONSTRUCTION ACTIVITIES AND EQUIPMENT TO A MINIMUM AT OUTFALL LOCATIONS WHICH DISCHARGE TO EXISTING JURISDICTIONAL AREAS. FLOATING OR STAKED TURBIDITY BARRIERS MAY BE USED IN LIEU OF STAKED HAYBALES/SILT SCREENS WHERE WARRANTED.
  - ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN-PLACE UNTIL THE SITE HAS BEEN STABILIZED AND REVEGETATED.
  - CONSTRUCTION METHOD AND MATERIALS TO BE IN ACCORDANCE WITH SECTION 104-6 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION SPECIFICATIONS.
    - HAY BALES MUST BE BUTTED CLOSE TOGETHER AND HAVE NO GAPS TO ALLOW FLOW TO PASS THROUGH WITHOUT BEING FILTERED.
    - JOINTS OF THE FILTER FABRIC MUST BE OVERLAPPED AND PROPERLY CONNECTED TO PREVENT ANY OPENING FROM OCCURRING.
  - SILT SCREENS MAY ALSO REPRESENT CONSTRUCTION LIMITS BARRIERS. THEY SHALL BE ERECTED PRIOR TO INITIATION OF SITE CLEARING OPERATIONS NEAR WETLANDS, BUFFER AREAS AND ANY OTHER AREAS SHOWN AS PRESERVED OR PROTECTED FROM CONSTRUCTION ACTIVITIES. FAILURE TO INSTALL AND MAINTAIN BARRIERS/SILT SCREENS SHALL BE CAUSE FOR PUNITIVE FINANCIAL PENALTIES. FINANCIAL PENALTIES (PUNITIVE AND REGULATORY), CONSULTING FEES AND ESTIMATED COST OF RESTORATION WILL BE DEDUCTED FROM SUBSEQUENT PAYMENT REQUESTS.
  - WHERE SILT FENCE IS REQUIRED TO BE INSTALLED WITHIN DRIP LINES OF TREES TO BE PRESERVED, CONTRACTOR SHALL NOT TRENCH SILT FENCE IN, INSTEAD EITHER INSTALL SILT FENCE ON GRADE OR USE HAY BALES WITHIN DRIP LINES.



NOTE: HAY BALES SURROUNDING ENTIRE PERIMETER OF INLET MAY BE SUBSTITUTED FOR FILTER CLOTH

**INLET DEBRIS CONTROL SCREEN**

N.T.S.

**CLEARING AND GRUBBING NOTES**

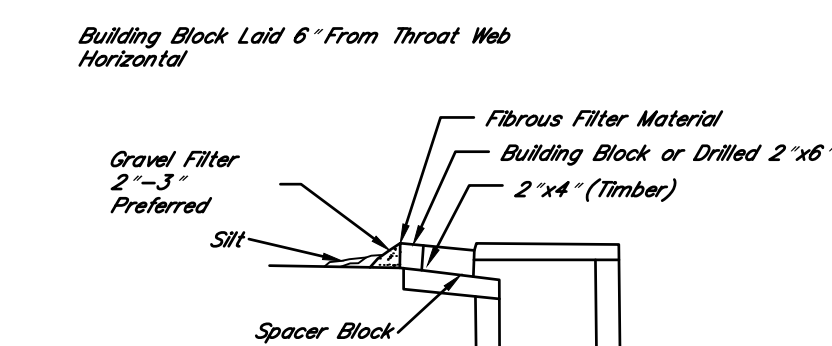
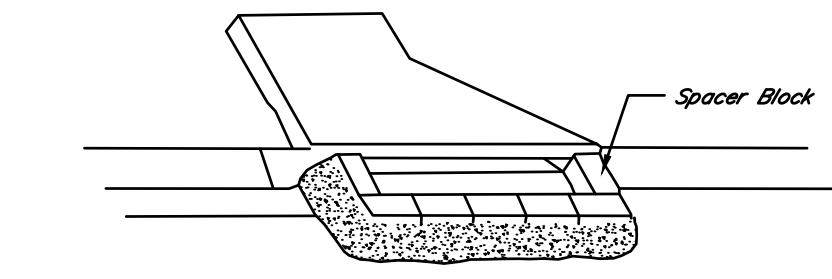
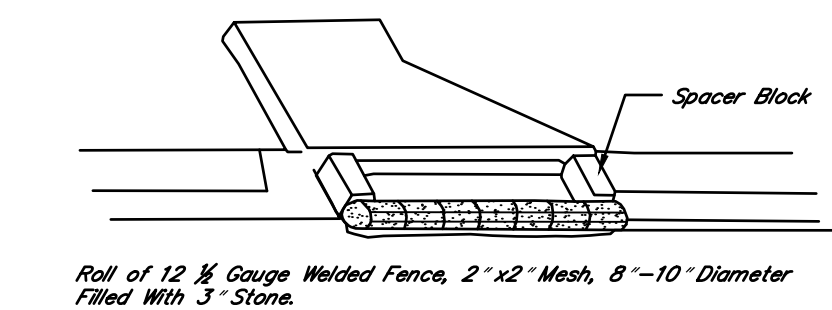
- EROSION CONTROL PREVENTIVE METHODS, SILT SCREENING AND/OR HAY BALES, TO BE IN PLACE PRIOR TO COMMENCEMENT OF EARTHWORK CONSTRUCTION TO MINIMIZE EROSION AND SEDIMENTARY RUNOFF. THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR ANY POTENTIAL EROSION PROBLEMS. IF ANY POTENTIAL EROSION PROBLEMS ARE ENCOUNTERED, OR HAVE OCCURRED, THE CONTRACTOR SHALL INSTALL PROPER EROSION CONTROL MEASURES IMMEDIATELY. STORMWATER TREATMENT FACILITIES ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO UNTREATED RUNOFF OFF-SITE OCCURRING DURING CONSTRUCTION.

LOCATION OF PROPOSED SEDIMENT AND EROSION CONTROL DEVICES SHALL BE STAKED OUT & LOCATIONS SHALL BE INSPECTED/ APPROVED BY MANATEE COUNTY PRIOR TO INSTALLATION, INSTALLATION OF SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED/ APPROVED BY MANATEE COUNTY ENVIRONMENTAL PLANNING DEPT. (941-742-5980) PRIOR TO COMMENCEMENT OF CONSTRUCTION.

- ALL EXISTING TREES AND BRUSH DESIGNATED FOR REMOVAL ARE TO BE CLEARED AND DISPOSED OF OFFSITE, OR BURNED ON-SITE IF APPROVED BY THE DISTRICT FIRE DEPARTMENT AND COUNTY HEALTH DEPT. ALL EXISTING TREES AND UNDERBUSH AREAS THAT ARE TO REMAIN UNDISTURBED SHALL BE PROTECTED BY BARRICADES AS SPECIFIED BY THE MANATEE BOARD OF COUNTY COMMISSIONERS IN M.C. ZONING ORDINANCE NO. PDC-12-12(Z)(P), STIPULATION SECTION E PARA. 4. SEE TREE REMOVAL/PLANTING PLAN FOR DETAILS. THE CONTRACTOR SHALL INSTALL SAID BARRICADES AT COMMENCEMENT OF CONSTRUCTION AND REMOVE FOLLOWING FINAL GRADING AND LANDSCAPING.

- SODDING AND/OR GRASSING TO BE COMPLETED IMMEDIATELY UPON COMPLETION OF FINISH GRADING. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DUST CONTROL.
- TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATION AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, CURBS, PAVEMENTS, TRACTS, AND SOIL BORING DATA, GIVING THE NATURE OF GROUND AND SUBSURFACE CONDITIONS HAVE BEEN OBTAINED FROM RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS. PRIOR TO BID SUBMISSION, CONDUCT ANY ADDITIONAL SURVEYS AND SOIL TESTS YOU MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.

- PROPOSED ROADWAY RIGHT-OF-WAY AREAS TO BE CLEARED OF ALL TREES AND BRUSH, AND STRIPPED TO A MINIMUM DEPTH OF 8" AND/OR BOTTOM OF ORGANIC LAYER.
- LOT AREA TO BE DISKED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
- REFER TO DRAINAGE & GRADING PLAN FOR ADDITIONAL NOTES REGARDING WETLAND MITIGATION.
- EXISTING WATER SERVICES ENCOUNTERED TO BE REMOVED BACK TO MAIN AND CAPPED OFF.
- EXOTIC, NUISANCE VEGETATION SHALL BE REMOVED FROM THE WETLAND BUFFERS AND ALL OTHER UPLAND PORTIONS OF THE SITE.
- ALL SLOPES 3:1 OR GREATER WILL HAVE STAKED SOD PLACED FOR EROSION CONTROL.



Fibrous Filter Material in Front of Block Prevents Gravel From Washing into Structure.  
 2"x4" Behind Blocks And Across Throat Helps Keep Block in Place. Place in Outer Hole of Spacer Block.

**TEMPORARY SEDIMENT TRAP AT CURB INLET**

N.T.S.

**NOTES**

- PRIOR TO COMMENCEMENT OF CONSTRUCTION OR LAND CLEARING, CONTRACTOR TO CONFIRM WITH THE ENGINEER OF RECORD THAT AN EROSION AND SEDIMENT CONTROL PLAN (ESCP) HAS BEEN SUBMITTED TO THE EMD FOR REVIEW AND APPROVAL. CONSTRUCTION OR LAND CLEARING IS NOT AUTHORIZED UNTIL AN ESCP HAS BEEN APPROVED BY THE EMD AND ALL REQUIRED MEETINGS HAVE BEEN COMPLETED.
- CONTRACTOR TO INSTALL INLET PROTECTION/CONTROL SCREEN ON ALL PROPOSED GRATE/CURB INLETS ONCE INSTALLED

**LDC SECTION 519, APPENDIX A-19**

All applications for ESCP submitted pursuant to section 519 of the LDC shall include a plan which identifies the following:

- Details of construction sequencing, dewatering activities and sump locations, stockpile areas and/or deposition areas for excavated material.
  - Description of land clearing/disturbing activities, existing site conditions and adjacent land uses/areas that might be affected by land clearing/disturbances. **CLEARING AND GRUBBING OF EXISTING VEGETATION, EXISTING STRUCTURES TO BE DEMOED AND HAULED OFFSITE.**
  - Identification of stockpile areas and/or deposition areas for excavated materials. **NONE ANTICIPATED.**
  - Description of potential on-site problem areas such as steep grade changes, highly erodible soils, areas adjacent to wetlands, surface waters, or upland preservation areas. **NONE ANTICIPATED.**
  - Construction scheduling, including the expected starting and stabilization dates. **CONSTRUCTION SCHEDULE IS PROVIDED ON SHEET 1 OF THE CONSTRUCTION PLANS.**
  - Identification of disturbed areas where construction will not be ongoing and final grade will not be achieved within fourteen (14) days, and indication of temporary stabilization measures. **FINAL GRADE WILL BE ACHIEVED WITHIN FOURTEEN (14) DAYS, AND TEMPORARY STABILIZATION WILL BE IMPLEMENTED IF THIS CAN NOT BE ACHIEVED.**
- Details of Best Management Practices and Fugitive Particulate Abatement Methods.
  - Details, drawings and cross-sections of erosion and sediment control devices, if different from the approved Final Site Plan/Construction Plans, and when they will be installed **TO BE DETERMINED**
  - Maintenance program for erosion and sediment control device including inspection frequency and maintenance activities. **SEE EROSION CONTROL NOTE #1 ON SHEET 4 OF THE CONSTRUCTION PLANS.**
  - Final notes and details of apron stabilization at ingress/egress points to right-of-way. **NONE ANTICIPATED.**
  - Details/location of equipment washing area. **NONE ANTICIPATED.**
  - Details of fugitive particulate abatement methods. **A WATER TRUCK WILL BE AVAILABLE DURING DRY PERIODS**
  - Contractor information, including a twenty-four hour, seven-day contact and phone numbers. **CONTRACTOR HAS NOT BEEN HIRED AT THIS TIME.**
  - Details of dewatering activities and locations, drawings and cross-sections of dewatering sumps. **NONE ANTICIPATED.**
  - Water Quality Monitoring Plan and monitoring stations (if applicable). **NO WATER QUALITY MONITORING IS REQUIRED.**

Mon, 21 Aug 2017 8:45am W:\Acad\Manatee County Bayshore Gardens Sidewalk Exp (44359)\ENG\BSS BMP\_EC.dwg

**ZNS ENGINEERING**  
 ENGINEERS | PLANNERS | SURVEYORS  
 LANDSCAPE ARCHITECTS | ENVIRONMENTAL CONSULTANTS

DESIGNED BY: MFC  
 DRAWN BY: JRE  
 DATE: 4.18.2017  
 JOB NO.: 44359  
 SCALE: N.T.S.  
 SHEET: 12

MICHAEL FERDINAND  
 PROFESSIONAL ENGINEER #77752  
 SIGNATURE

REVISIONS

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**BEST MANAGEMENT PRACTICES DETAILS**  
 FOR  
**BAYSHORE GARDENS SIDEWALK**  
 LOCATED IN  
 SECTION 15, 22 & 23, TOWNSHIP 35 SOUTH, RANGE 17 EAST  
 MANATEE COUNTY, FLORIDA