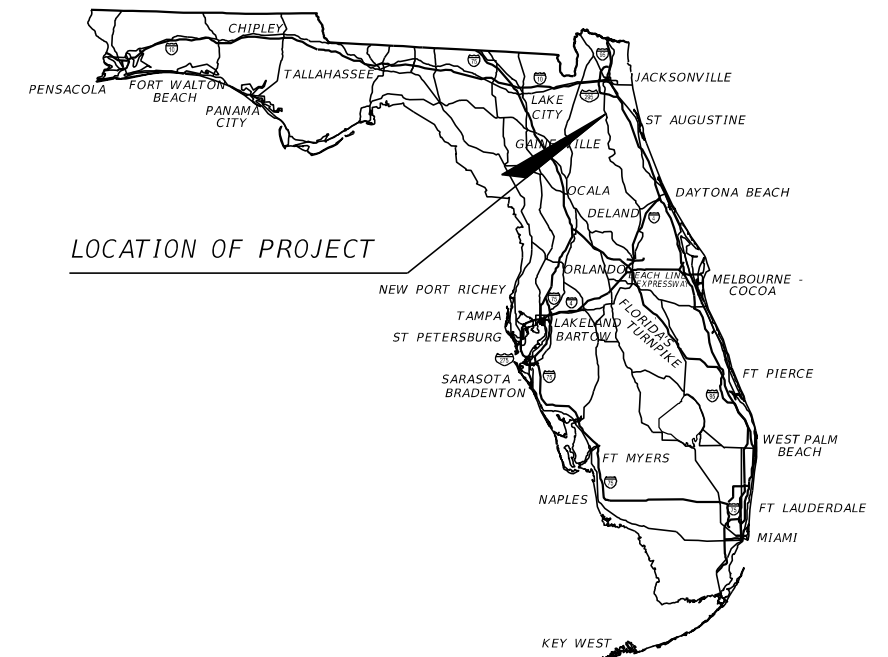


# CITY OF GREEN COVE SPRINGS

## CONTRACT PLANS COMPONENTS

ROADWAY/LANDSCAPE/HARDSCAPE PLANS  
LIGHTING PLANS

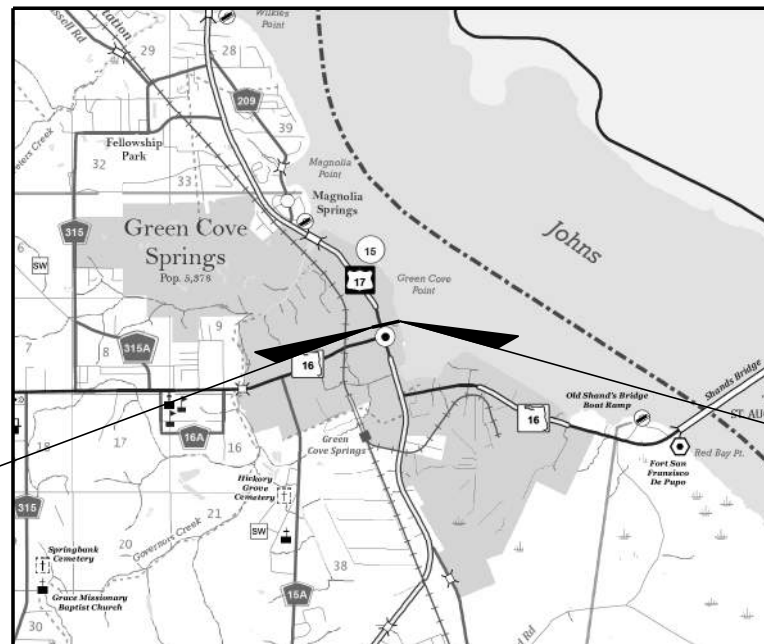


LOCATION OF PROJECT

### INDEX OF DRAWINGS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3 - 4	DRAINAGE MAP
5 - 8	TYPICAL SECTION
9	PROJECT LAYOUT
10	PROJECT CONTROL SHEET
11 - 12	GENERAL NOTES
13 - 15	ROADWAY PLAN-PROFILE
16	CUL-DE-SAC DETAIL
17 - 19	DRAINAGE STRUCTURES
20	DRAINAGE DETAIL
21 - 27	CROSS SECTIONS
28	DRIVEWAY CROSS SECTIONS
29 - 30	EROSION CONTROL PLAN
31 - 32	UTILITY ADJUSTMENT PLAN
33	SIGNALIZATION PLAN
34 - 35	SIGNING AND PAVEMENT MARKING PLAN
36 - 37	GUIDE SIGN WORKSHEET
38	PARKING LOT DRAINAGE MAP
39	PARKING LOT GRADING DETAIL
40 - 41	PARKING LOT DRAINAGE DETAIL
42	PARKING LOT EROSION CONTROL PLAN
43	PARKING LOT DRIVEWAY DETAIL
44	PARKING LOT LAYOUT
45	PARKING LOT UTILITY ADJUSTMENT PLAN
LH-100 - LH-102	HARDSCAPE PLANS
LH-500 - LH-509	HARDSCAPE PLANS
HS-510	HARDSCAPE PLANS
LH-511 - LH-512	HARDSCAPE PLANS
LH-600	HARDSCAPE PLANS
LP-100 - LP-102	LANDSCAPE PLANS
LP-400 - LP-401	LANDSCAPE SCHEDULE
LP-500 - LP-501	LANDSCAPE DETAILS
LP-502 - LP-503	LANDSCAPE NOTES
IP-100 - IP-102	IRRIGATION PLANS
IP-500 - IP-501	IRRIGATION NOTES AND DETAILS
TD-100 - TD-102	TREE DISPOSITION PLANS
TD-500 - TD-502	TREE DISPOSITION PLANS
TD-600	TREE DISPOSITION PLANS

## WALNUT ST. IMPROVEMENTS



BEGIN PROJECT  
STA. 10+11.91

END PROJECT  
STA. 23+73.48

PLANS PREPARED BY:



WGI, INC.  
4371 U.S. HWY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FLORIDA 32003  
TEL: 904-470-4503

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

### PROJECT OWNER:

CITY OF GREEN COVE SPRINGS  
321 WALNUT STREET  
GREEN COVE SPRINGS, FL 32043  
TEL: 904-297-7058

### CITY OFFICIALS

MATT JOHNSON  
CONNIE BUTLER  
EDWARD GAW  
STEVEN KELLY  
THOMAS SMITH  
STEVE KENNEDY  
MIKE NULL  
STEVE THOMAS

MAYOR  
VICE MAYOR  
COUNCIL MEMBER  
COUNCIL MEMBER  
COUNCIL MEMBER  
CITY MANAGER  
PUBLIC WORKS DIRECTOR  
ASST. PUBLIC WORKS DIRECTOR

### GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

### APPLICABLE IRs:

### GOVERNING STANDARD SPECIFICATIONS:

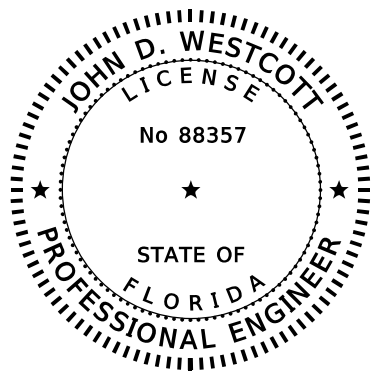
Florida Department of Transportation, JULY 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

ENGINEER OF RECORD: JOHN D. WESTCOTT  
P.E. NO.: 88357

SHEET  
NO.

1

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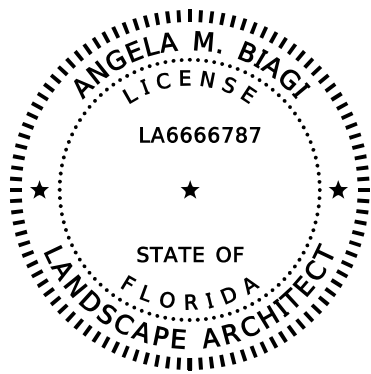
ON THE DATE ADJACENT TO THE SEAL

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WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003  
JOHN D. WESTCOTT, PE NO. 88357

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
5 - 8	TYPICAL SECTION
9	PROJECT LAYOUT
11 - 12	GENERAL NOTES
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44	PARKING LOT LAYOUT
45	PARKING LOT UTILITY ADJUSTMENT PLAN



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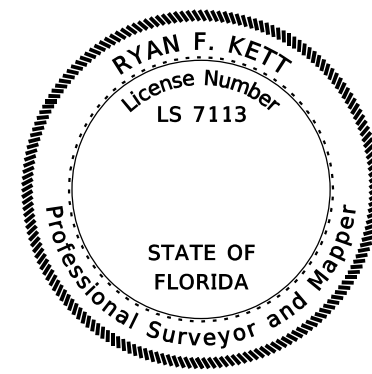
ON THE DATE ADJACENT TO THE SEAL

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WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411  
ANGELA M. BIAGI, LA6666787

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

SHEET NO.	SHEET DESCRIPTION
LH-100 - LH-102	HARDSCAPE PLANS
LH-500 - LH-509	HARDSCAPE PLANS
HS-510	HARDSCAPE PLANS
LH-511 - LH-512	HARDSCAPE PLANS
LH-600	HARDSCAPE PLANS
LP-100 - LP-102	LANDSCAPE PLANS
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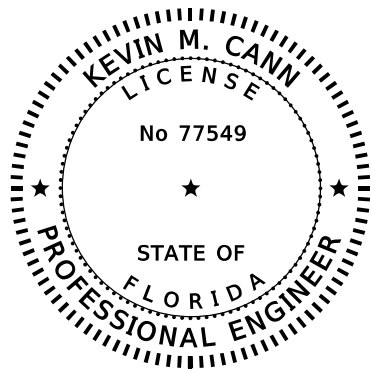
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WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH  
SUITE 203, FLEMING ISLAND, FL 32003  
RYAN F. KETT, PSM NO. 7113

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
11	PROJECT CONTROL SHEET



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003  
KEVIN M. CANN, PE NO. 77549

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
3 - 4	DRAINAGE MAP
17 - 19	DRAINAGE STRUCTURES
20	DRAINAGE DETAIL
38	PARKING LOT DRAINAGE MAP
39	PARKING LOT GRADING DETAIL
40 - 41	PARKING LOT DRAINAGE DETAIL
42	PARKING LOT EROSION CONTROL PLAN

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

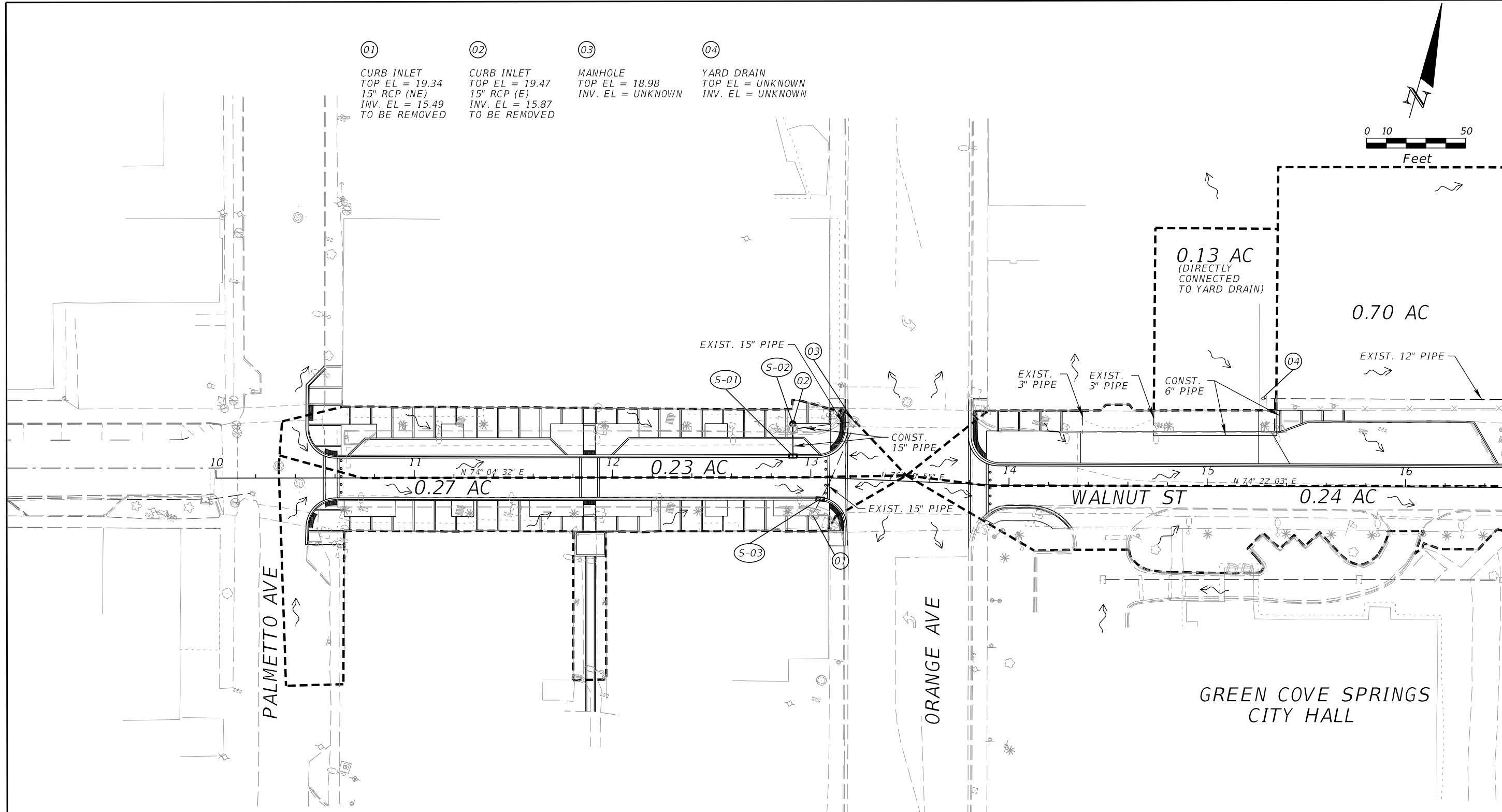
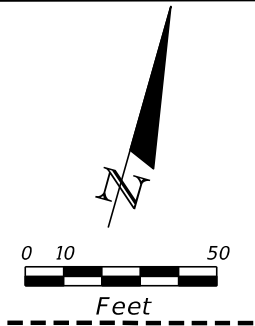
JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE: <b>SIGNATURE SHEET</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>2</b>

- ① CURB INLET  
TOP EL = 19.34  
15" RCP (NE)  
INV. EL = 15.49  
TO BE REMOVED
- ② CURB INLET  
TOP EL = 19.47  
15" RCP (E)  
INV. EL = 15.87  
TO BE REMOVED
- ③ MANHOLE  
TOP EL = 18.98  
INV. EL = UNKNOWN
- ④ YARD DRAIN  
TOP EL = UNKNOWN  
INV. EL = UNKNOWN



LEGEND

- BASIN DIVIDES
- ↪ FLOW ARROW
- (XX) EXISTING STRUCTURE
- (S-XX) PROPOSED STRUCTURE

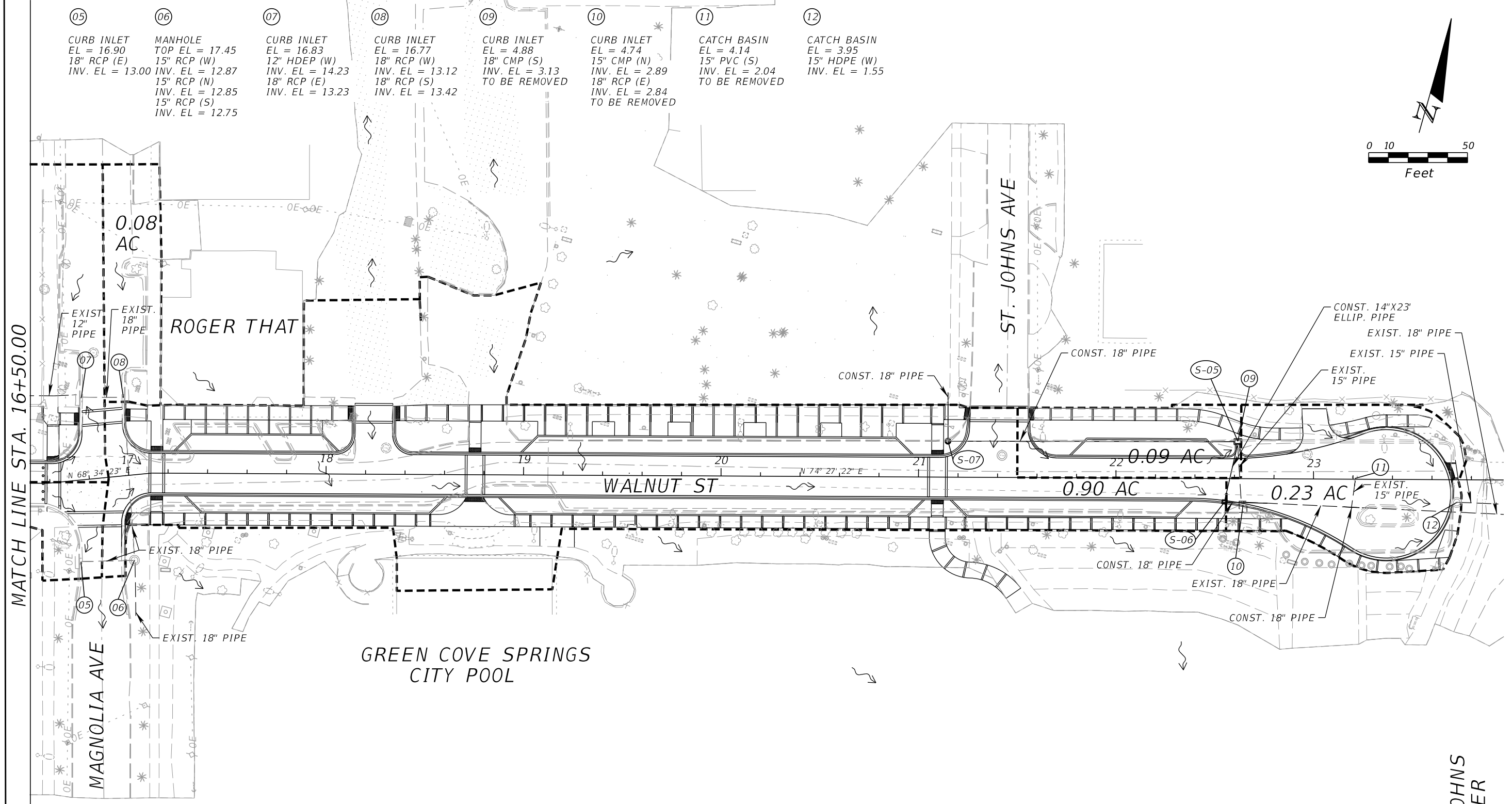
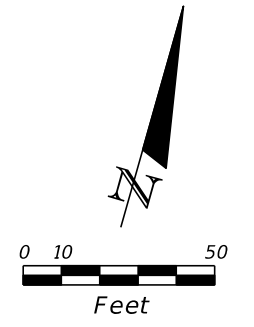
DO NOT USE THIS INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS						KEVIN M. CANN P.E. NO. 77549 WGI, INC. 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203 FLEMING ISLAND, FL 32003	PREPARED FOR <b>CITY OF GREEN COVE SPRINGS</b>	SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			DRAINAGE MAP (1)		
							PROJECT NAME:	WALNUT STREET IMPROVEMENTS		SHEET NO.
										3

MATCH LINE STA. 16+50.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

05 CURB INLET EL = 16.90 18" RCP (E) INV. EL = 13.00	06 MANHOLE TOP EL = 17.45 15" RCP (W) INV. EL = 12.87 15" RCP (N) INV. EL = 12.85 15" RCP (S) INV. EL = 12.75	07 CURB INLET EL = 16.83 12" HDEP (W) INV. EL = 14.23 18" RCP (E) INV. EL = 13.23	08 CURB INLET EL = 16.77 18" RCP (W) INV. EL = 13.12 18" RCP (S) INV. EL = 13.42	09 CURB INLET EL = 4.88 18" CMP (S) INV. EL = 3.13 TO BE REMOVED	10 CURB INLET EL = 4.74 15" CMP (N) INV. EL = 2.89 18" RCP (E) INV. EL = 2.84 TO BE REMOVED	11 CATCH BASIN EL = 4.14 15" PVC (S) INV. EL = 2.04 TO BE REMOVED	12 CATCH BASIN EL = 3.95 15" HDPE (W) INV. EL = 1.55
--	---	---	--	---	--	--	--



LEGEND

- BASIN DIVIDES
- ~ FLOW ARROW
- (XX) EXISTING STRUCTURE
- (S-XX) PROPOSED STRUCTURE

DO NOT USE THIS INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

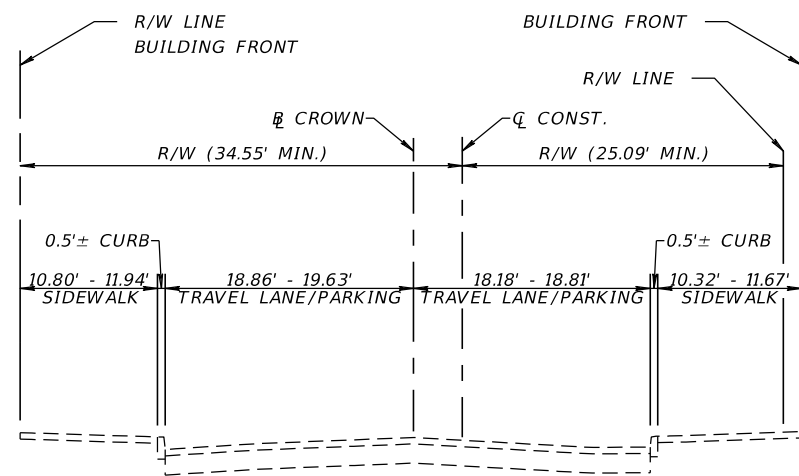
KEVIN M. CANN  
P.E. NO. 77549  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

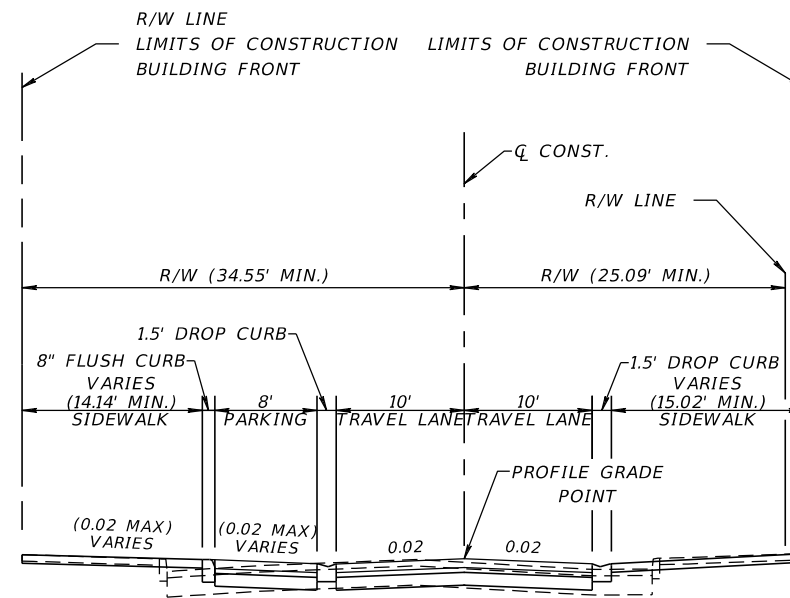
SHEET TITLE: <b>DRAINAGE MAP (2)</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>4</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION  
WALNUT ST.  
STA. 10+45.36 TO STA. 13+18.72  
PALMETTO AVE. TO ORANGE AVE.

EXISTING CONDITIONS



TYPICAL SECTION  
WALNUT ST.  
STA. 10+45.36 TO STA. 13+18.72  
PALMETTO AVE. TO ORANGE AVE.

HARDSCAPE RESURFACING/WIDENING\*

OPTIONAL BASE GROUP 1  
1.5" SAND SETTING BED  
AND 2.75" MORTARLESS BRICK PAVING

NOTES:

- BRICKS PAVERS AND EXISTING CURB ARE TO BE REMOVED.
- BRICKS PAVERS ARE TO BE REUSED WHERE POSSIBLE.
- REFER TO COJ CITY STANDARD SPECIFICATIONS P-301 FOR CURB DETAILS.
- TRAFFIC DESIGN SPEED = 25 MPH.

REVISIONS

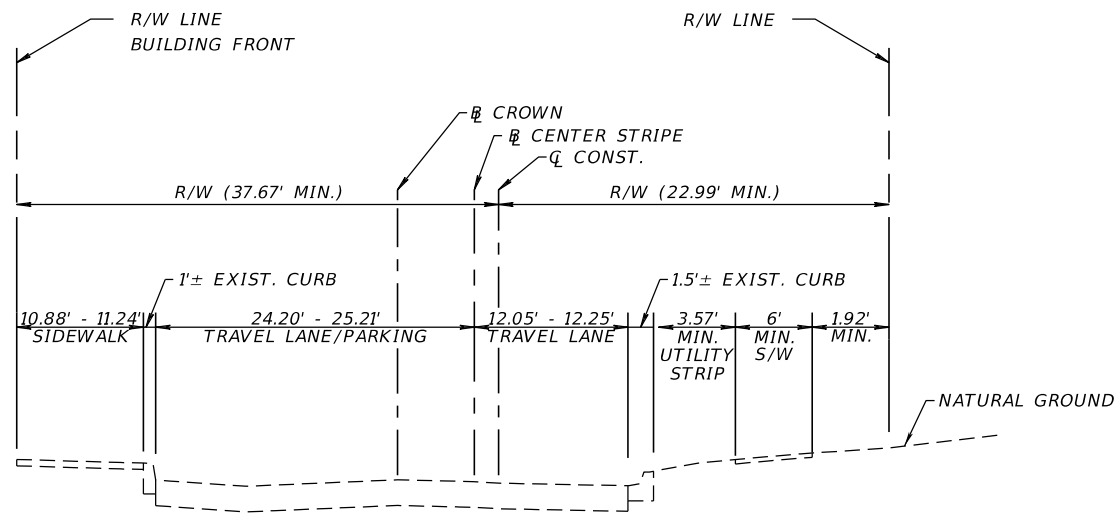
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



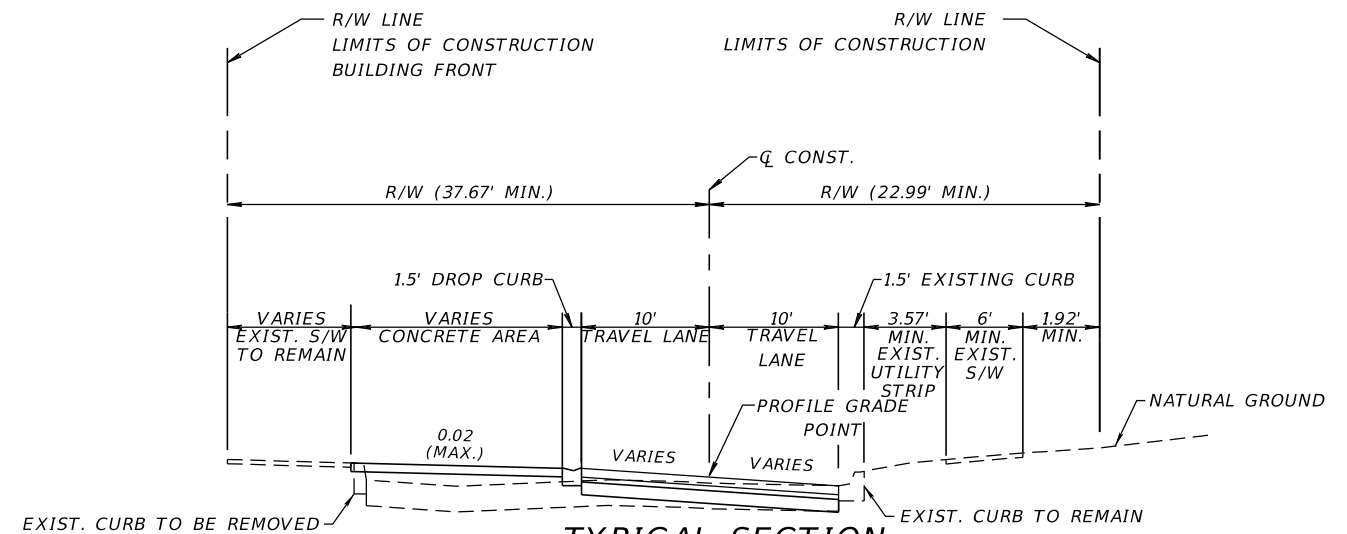
PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE:	TYPICAL SECTION	REF. DWG. NO.
PROJECT NAME:	WALNUT STREET	SHEET NO.
		5



**TYPICAL SECTION  
WALNUT ST.  
STA. 13+79.55 TO STA. 15+50.56  
ORANGE AVE. TO MAGNOLIA AVE.**

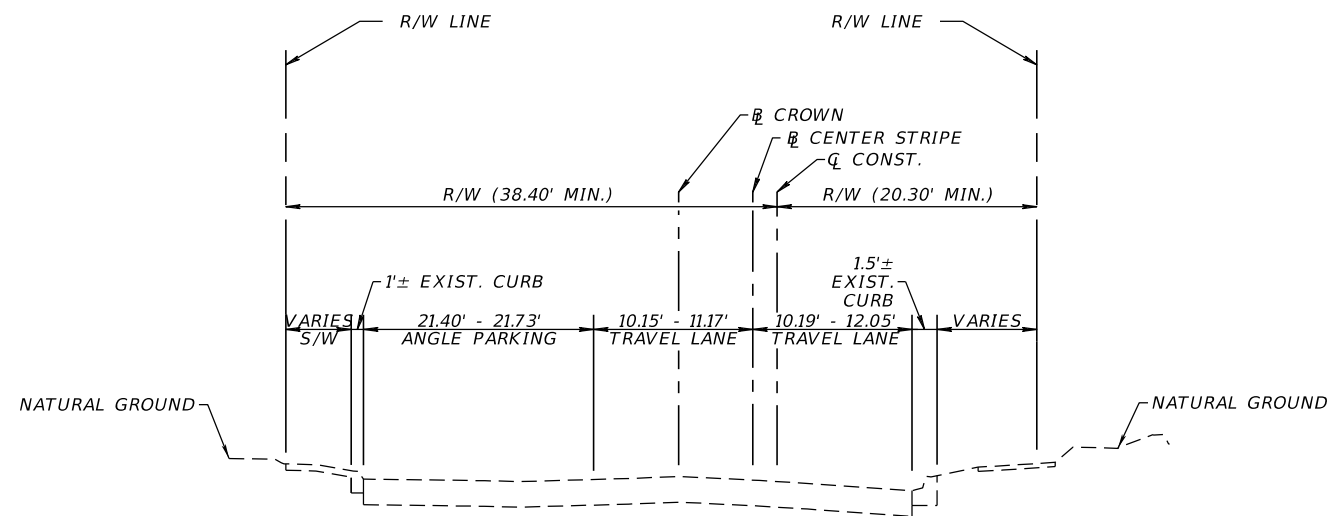
EXISTING CONDITIONS



**TYPICAL SECTION  
WALNUT ST.  
STA. 13+79.55 TO STA. 15+50.56  
ORANGE AVE. TO MAGNOLIA AVE.**

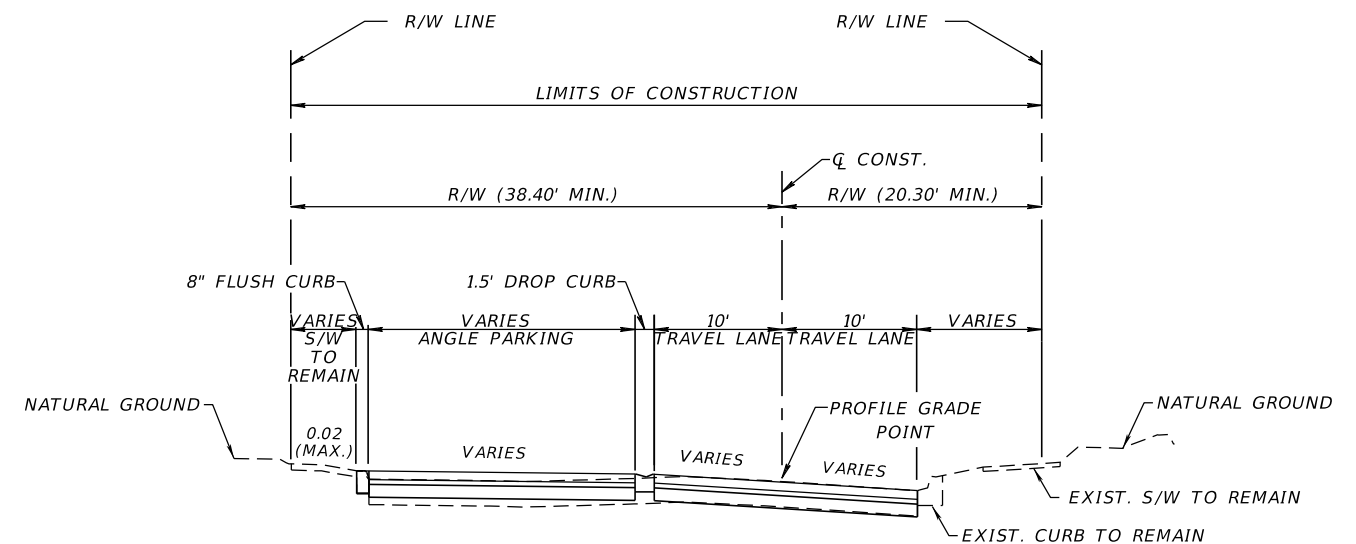
HARDSCAPE RESURFACING/WIDENING\*

OPTIONAL BASE GROUP 1  
1.5" SAND SETTING BED  
AND 2.75" MORTARLESS BRICK PAVING



**TYPICAL SECTION  
WALNUT ST.  
STA. 15+50.56 TO STA. 16+76.19  
ORANGE AVE. TO MAGNOLIA AVE.**

EXISTING CONDITIONS



**TYPICAL SECTION  
WALNUT ST.  
STA. 15+50.56 TO STA. 16+76.19  
ORANGE AVE. TO MAGNOLIA AVE.**

HARDSCAPE RESURFACING/WIDENING\*

OPTIONAL BASE GROUP 1  
1.5" SAND SETTING BED  
AND 2.75" MORTARLESS BRICK PAVING

**\*NOTES:**

- BRICKS PAVERS AND EXISTING CURB ARE TO BE REMOVED.
- BRICKS PAVERS ARE TO BE REUSED WHERE POSSIBLE.
- REFER TO COJ CITY STANDARD SPECIFICATIONS P-301 FOR CURB DETAILS.
- TRAFFIC DESIGN SPEED = 25 MPH.

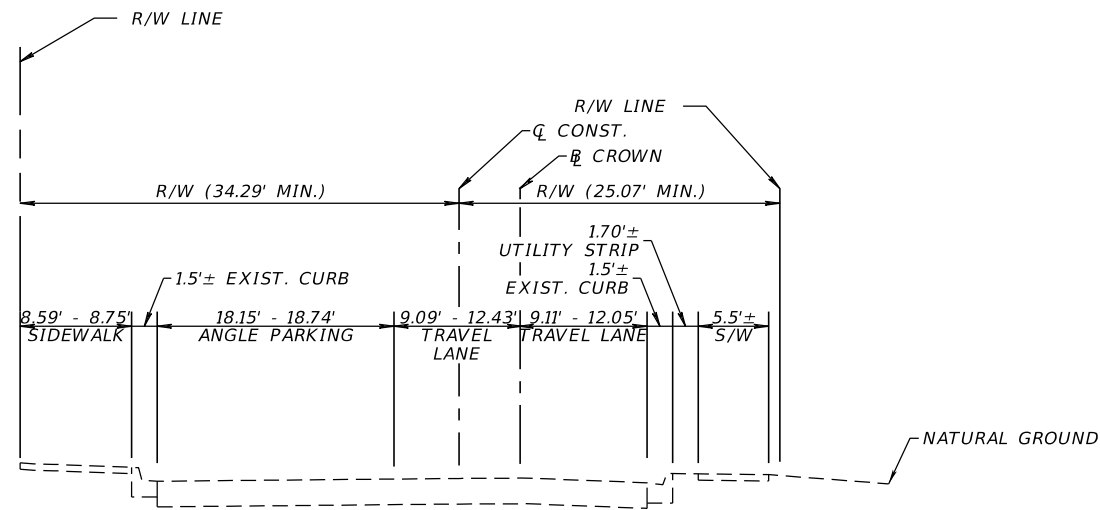
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



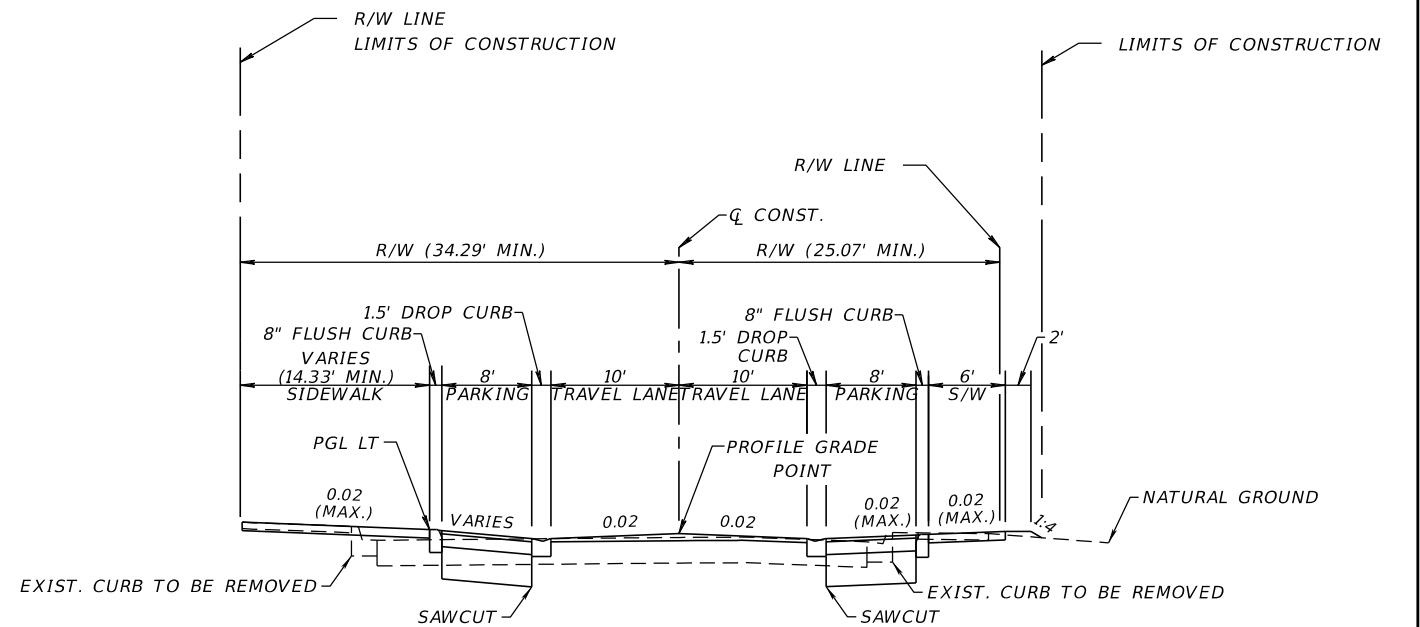
PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE: <b>TYPICAL SECTION</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>6</b>



**TYPICAL SECTION  
WALNUT ST.  
STA. 16+76.19 TO STA. 17+50.00  
STA. 20+25.00 TO STA. 23+73.48  
MAGNOLIA AVE. TO ST. JOHNS RIVER**

EXISTING CONDITIONS



**TYPICAL SECTION  
WALNUT ST.  
STA. 16+76.19 TO STA. 17+50.00  
STA. 20+25.00 TO STA. 23+73.48  
MAGNOLIA AVE. TO ST. JOHNS RIVER**

EXISTING TRAVEL LANES

MILL EXISTING TRAVEL LANES (1.0" DEPTH)  
TYPE SP (TRAFFIC B) OVERBUILD (3.5" AVG.)  
TYPE SP STRUCTURE COURSE (TRAFFIC B) (1.0") (PG 76-22)

WIDENING

OPTIONAL BASE GROUP 1 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1")

**NOTES:**

- EXISTING BRICK PAVERS ARE UNDER EXISTING ASPHALT AND MAY BE ENCOUNTERED DURING MILLING OPERATIONS. IF PAVERS AND BASE ARE DISTURBED DURING MILLING OPERATIONS OR PIPE INSTALLATION, THE AREA DISTURBED MUST BE CONSTRUCTED PER THE WIDENING PAVEMENT DESIGN ON THIS SHEET.
- BRICKS PAVERS AND EXISTING CURB ARE TO BE REMOVED.
- BRICKS PAVERS ARE TO BE REUSED WHERE POSSIBLE.
- REFER TO COJ CITY STANDARD SPECIFICATIONS P-301 FOR CURB DETAILS.
- TRAFFIC DESIGN SPEED = 25 MPH.

**REVISIONS**

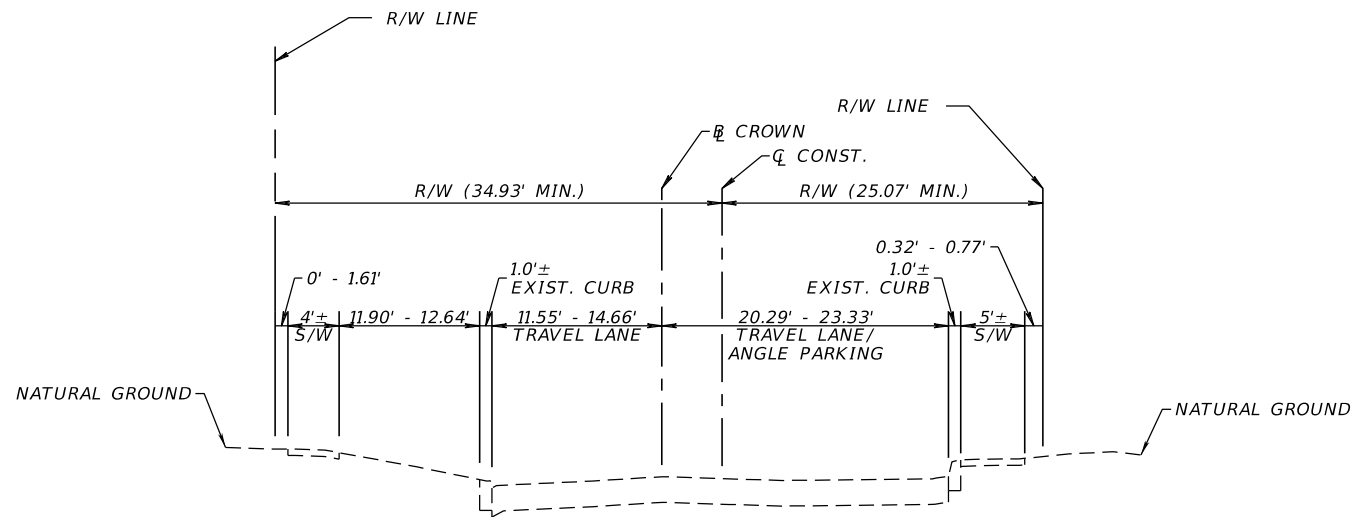
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



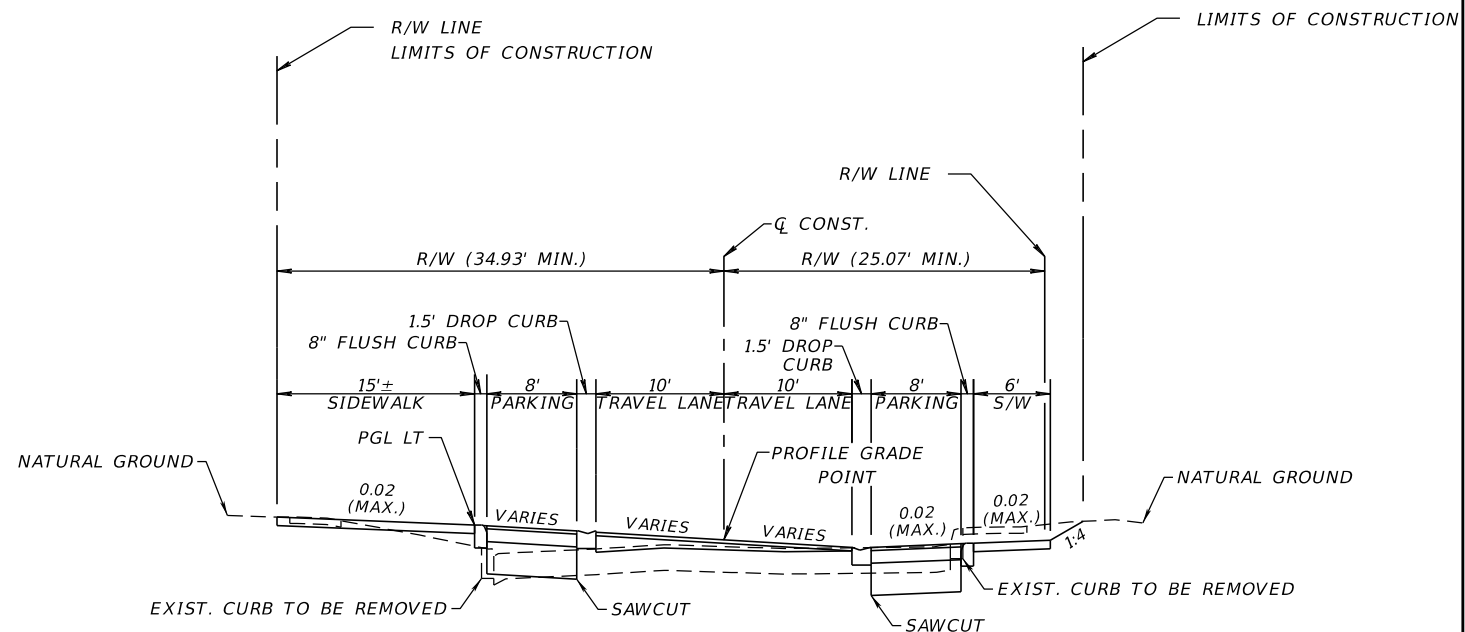
PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE: <b>TYPICAL SECTION</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>7</b>



TYPICAL SECTION  
WALNUT ST.  
STA. 17+50.00 TO STA. 20+25.00  
MAGNOLIA AVE. TO ST. JOHNS AVE.

EXISTING CONDITIONS



TYPICAL SECTION  
WALNUT ST.  
STA. 17+50.00 TO STA. 20+25.00  
MAGNOLIA AVE. TO ST. JOHNS AVE.

EXISTING TRAVEL LANES

MILL EXISTING TRAVEL LANES (1.0" DEPTH)  
TYPE SP (TRAFFIC B) OVERBUILD (5.6" AVG.)  
TYPE SP STRUCTURE COURSE (TRAFFIC B) (1.0") (PG 76-22)

WIDENING

OPTIONAL BASE GROUP 1 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1")

NOTES:

- EXISTING BRICK PAVERS ARE UNDER EXISTING ASPHALT AND MAY BE ENCOUNTERED DURING MILLING OPERATIONS. IF PAVERS AND BASE ARE DISTURBED DURING MILLING OPERATIONS OR PIPE INSTALLATION, THE AREA DISTURBED MUST BE CONSTRUCTED PER THE WIDENING PAVEMENT DESIGN ON THIS SHEET.
- BRICKS PAVERS AND EXISTING CURB ARE TO BE REMOVED.
- BRICKS PAVERS ARE TO BE REUSED WHERE POSSIBLE.
- REFER TO COJ CITY STANDARD SPECIFICATIONS P-301 FOR CURB DETAILS.
- TRAFFIC DESIGN SPEED = 25 MPH.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

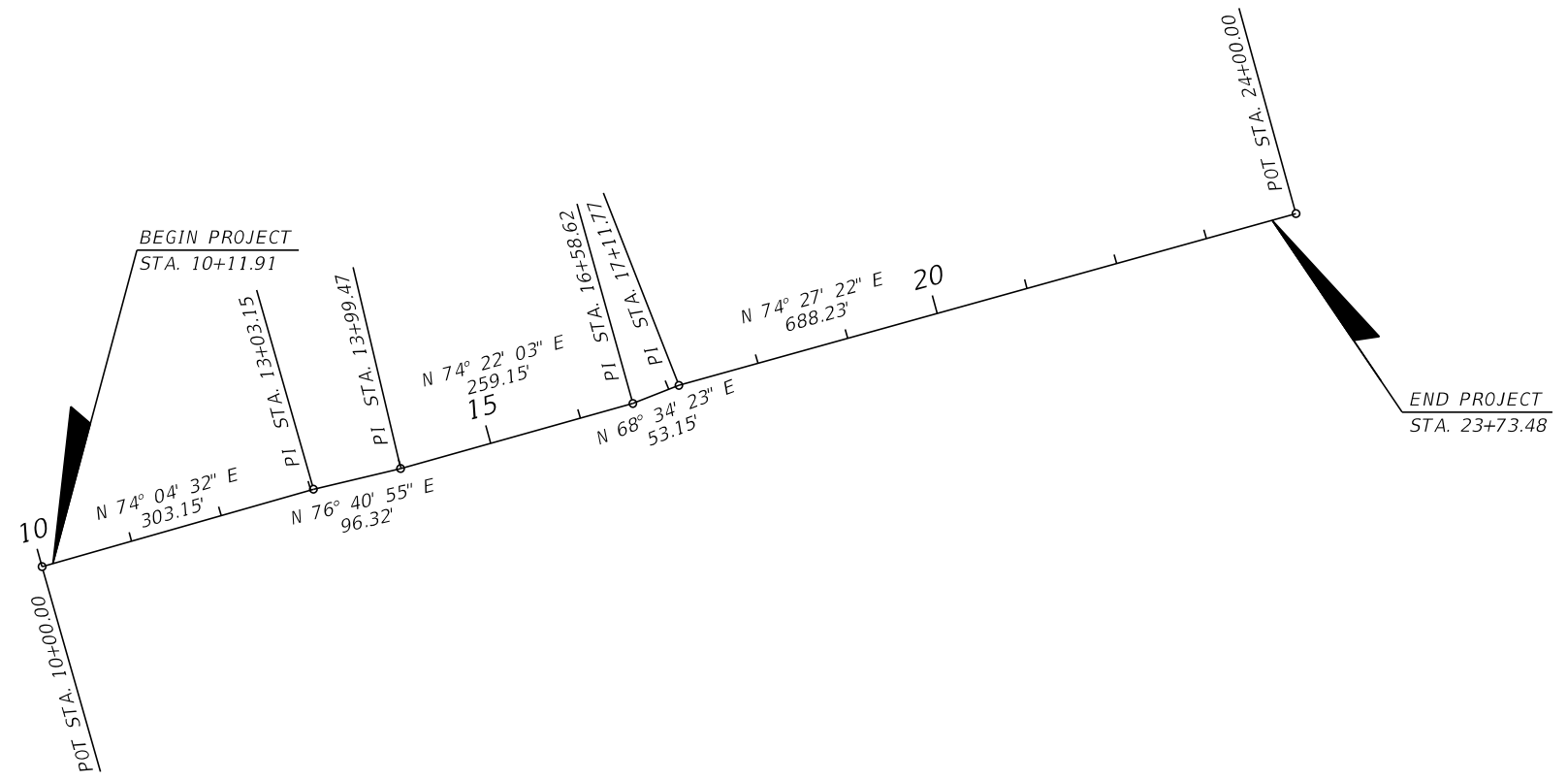
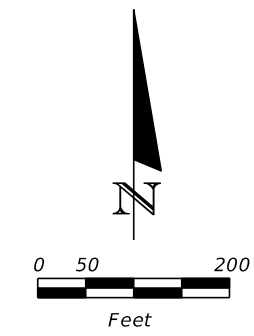
JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE: TYPICAL SECTION	REF. DWG. NO.
PROJECT NAME: WALNUT STREET IMPROVEMENTS	SHEET NO. 8





**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
 GREEN COVE SPRINGS**

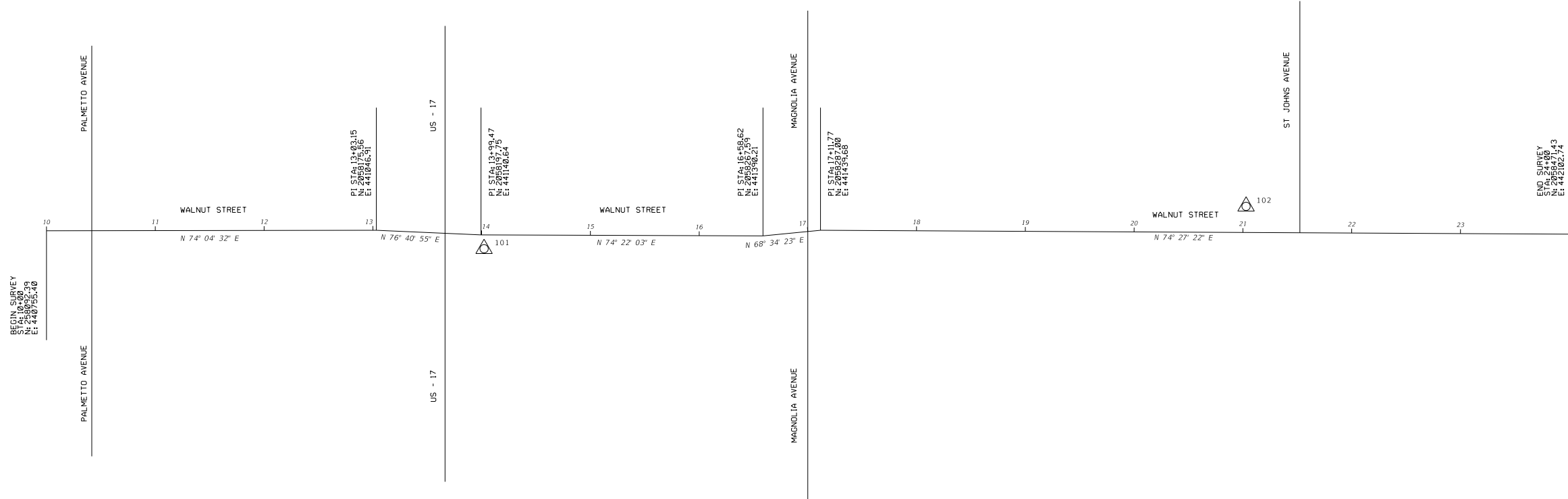
SHEET TITLE:	<b>PROJECT LAYOUT</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>9</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROL POINTS  
WALNUT STREET  
(NOT TO SCALE)



△ 100



**LEGEND**

- △ = 5/8" IRC LB7055
- CR = COUNTY ROAD
- IRC = IRON ROD AND CAP
- PI = POINT OF INTERSECTION
- RD = ROAD
- STA = STATION

**PRIMARY CONTROL**

POINT ID	STATION	OFFSET	ELEVATION (Z)	DESCRIPTION	NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE
100	N/A	N/A	20.22	5/8" I.R. W/ PLASTIC CAP STAMPED TRAV/GPS LB7055	2058047.829	440493.770	N 29° 59' 35.03"	W 81° 40' 52.67"
101	14+02.33	12.71' RT	19.53	5/8" I.R. W/ PLASTIC CAP STAMPED TRAV/GPS LB7055	2058186.284	441146.827	N 29° 59' 36.44"	W 81° 40' 45.25"
102	21+02.80	24.00' LT	11.56	5/8" I.R. W/ PLASTIC CAP STAMPED TRAV/GPS LB7055	2058414.914	441809.986	N 29° 59' 38.74"	W 81° 40' 37.72"

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PREPARED BY:  
RYAN KETT, PSM 7113  
WGI, INC.  
4371 US HIGHWAY 17 S, SUITE 203  
FLEMING ISLAND, FLORIDA 32003



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE:	<b>PROJECT CONTROL SHEET</b>	REF. DWG. NO.
PROJECT NAME:		
WALNUT STREET		SHEET NO.
		10

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF THE FDOT & GREEN COVE SPRINGS PUBLIC WORKS (G.C.S.P.W) STANDARDS, (LATEST REVISION) AND ALL CURRENT CITY & G.C.S.P.W. DETAILS AS WELL AS ALL APPLICABLE STATE AND LOCAL REGULATIONS. THE WORK SHALL ALSO BE PERFORMED AND TESTED IN ACCORDANCE WITH THE FDOT REQUIREMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUBSURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT. THE CONTRACTOR IS ALSO URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THE PROJECT TO RECORD THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO THE CONSTRUCTION OF THE PROJECT.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL THAT WILL REQUIRE REMOVAL AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED.
4. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE CITY OF G.C.S. FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND CITY OF G.C.S..
5. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT INCLUDING CITY RIGHT-OF-WAY PERMITS FOR WORK IN CITY OF G.C.S. RIGHT-OF-WAY OR EASEMENT.
7. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN CITY OF G.C.S. OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION AND REPAIR.
8. "AS-BUILT" DRAWINGS - AS-BUILTS TO CITY OF G.C.S. AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION AND SUBMITTAL OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH CURRENT FDOT STANDARDS AND SPECIFICATIONS AND SJRWMD REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE "AS-BUILT" DRAWINGS FOR APPROVAL BY CITY OF G.C.S..
9. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
10. ALL CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES, AND BERMS INCLUDED IN THIS PROJECT AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THE PROJECT.
11. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.
12. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE PROPERLY DISPOSED OF OFF-SITE BY CONTRACTOR.
13. ALL EXCESS SUITABLE AND UNSUITABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY ENGINEER OR OWNER.
14. SEE TREE DISPOSITION PLAN FOR STATUS OF TREES.
15. BURING OF TREES, BRUSH AND OTHER MATERIALS SHALL BE APPROVED, PERMITTED AND COORDINATED WITH CITY OF CLAY COUNTY FIRE MARSHAL.
16. CONTRACTOR SHALL PROVIDE CONTRACTION JOINTS AT 10' INTERVALS AND EXPANSION JOINTS SHALL BE CONSTRUCTED AT 50' INTERVALS AND AT ALL RADIUS POINTS ON ALL CURBING.
17. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS AT 18' INTERVALS AND CONTRACTION JOINTS SHALL BE SPACED AT 6' INTERVALS BETWEEN EXPANSION JOINTS.
18. MAINTENANCE OF TRAFFIC SHALL CONFORM TO F.D.O.T. STANDARD INDEX 102-600 SERIES, LATEST EDITON.
19. ALL PIPE UNDER ROADWAY SHALL BE RCP. PIPES NOT UNDER ROADWAY MAY BE RCP OR HDPE.
20. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY TRAFFIC CONTROL. WALNUT STREET CAN BE CLOSED TO VEHICULAR TRAFFIC BUT PEDESTRIAN TRAFFIC MUST BE MAINTAINED THROUGHOUT THE PROJECT.

UTILITY NOTES:

1. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND IMPROVEMENTS SHOWN ON THE DRAWINGS IS BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO THE ACTUAL LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY. THIS DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITIES AND IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR AND SHALL REPAIR OR PAY FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH HE SHALL CONNECT.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL MATERIALS, IF REQUIRED, TO THE ENGINEER FOR REVIEW AND APPROVAL, PRIOR TO SUBMITTAL TO CITY OF G.C.S. & G.C.S.P.W. , AND PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY PIPE OR STRUCTURE.
3. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF ACCEPTANCE.
4. ALL DRAINAGE STRUCTURES TO HAVE TRAFFIC BEARING GRATES.
5. ALL DRAINAGE PIPE JOINTS IN CITY OF G.C.S. DRAINAGE EASEMENTS, DRAINAGE EASEMENTS BETWEEN PRIVATE LOTS, DRAINAGE RIGHT-OF-WAYS AND UNDER PAVED ROADS ARE TO BE FILTER-WRAPPED.
6. TELEVISION INSPECTION SHALL BE REQUIRED ON ALL STORM WATER PIPES. THIS SERVICE SHALL BE PROVIDED BY THE CONTRACTOR AS PART OF THE DRAINAGE CONTRACT. A FULL WRITTEN REPORT AS TO THE CONDITION OF THE PIPE WITH PERTINENT DATA SUCH AS DISTANCE BETWEEN STRUCTURES, LOCATION OF ADJOINING PIPES, ETC. SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO ACCEPTANCE, AND ONE COPY OF THE VIDEO TAPES SHALL BE SUBMITTED TO THE CITY OF G.C.S.. ALL DEFECTIVE AREAS AND ITEMS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE. ALL REPAIRED SECTION MUST BE REINSPECTED PRIOR TO ACCEPTANCE. INSPECTION SHALL BE PERFORMED AT COMPLETION OF CONSTRUCTION.

UTILITY CONTACTS

1. KNOWN UTILITY OWNERS WITHIN THE PROJECT LIMITS AND CONTACT INFORMATION ARE LISTED BELOW:

COMPANY	CONTACT PERSON	CONTACT NUMBER	E-MAIL ADDRESS
AT&T OF FLORIDA	PK PATEL	904-727-1568	PP5963@ATT.COM
CITY OF GREEN COVE SPRINGS ELECTRIC	JOE HANSFORD	386-643-8131	JHANDSFORD@GREENCOVESPRINGS.COM
CITY OF GREEN COVE SPRINGS WATER & SEWER	SCOTT SCHULTZ	904-297-7061	SSCHULTZ@GREENCOVESPRINGS.COM
COMCAST COMMUNICATIONS	JAMES GRAHAM	904-380-6341	JAMES_GRAHAM@CABLE.COMCAST.COM
MCI/VERIZON	MARVIN FISHER	904-633-5481	MARVIN.FISHER@VERIZON.COM
QUANTA TELECOMMUNICATIONS	ANDREW RATTEREE	678-836-5610	ARATTEREE@QUANTATEL.COM
TECO PEOPLES GAS	BRAD GUAGLIARDO	407-420-6674	BGUAGLIARDO@TECOENERGY.COM
UNITI FIBER/SOUTHERN LIGHT	BOB MENSCHING	904-718-8152	BOB.MENSHCING@UNITI.COM

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE:	<b>GENERAL NOTES</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>11</b>

CITY GENERAL REQUIREMENTS:


1. CITY OF G.C.S. DEPARTMENT OF ENGINEERING REQUIRES TWENTY-FOUR (24) HOUR NOTICE ON ALL MEETINGS AND OR TESTING MEASURES RELATED TO SAID PROJECT.
2. CONSTRUCTION WARNING SIGNS ARE TO BE POST MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE AND ALL TRAFFIC CONTROL DEVICES SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS WELL AS THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEXES.
3. ALL SUB BASE SHALL BE FIRM AND UNYIELDING.
4. ALL JOINTS OF PIPE, REGARDLESS OF MATERIAL TYPE, SHALL BE WRAPPED WITH FABRIC FILTER CLOTH PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX 430-001.
5. ALL DISTURBED CITY OF G.C.S. RIGHTS-OF-WAY SHALL BE SODDED TO THE DISCRETION AND APPROVAL OF THE CITY OF G.C.S. ENGINEERING DEPARTMENT.
6. THE CURB SHALL BE CHECKED FOR FLOW DESIGN AT ANY STAGE OF THE PROJECT. A WATER TRUCK IS TO BE PROVIDED AT THE FINAL INSPECTION IN ORDER TO CHECK FLOW DESIGN.
7. ALL INFORMATION REQUESTED BY THE CITY SHALL BE IN HAND AT THE TIME OF THE FINAL INSPECTION. NO CONDITIONAL CERTIFICATES OF OCCUPANCY SHALL BE GIVEN.
8. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY, THE ENGINEER, AND THE CITY.
9. A COPY OF THE CONTRACTORS' GENERAL LICENSE AND OR UNDER GROUND UTILITY LICENSE SHALL BE PROVIDED AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.
10. THERE SHALL BE A MINIMUM THREE (3) DAYS NOTICE GIVEN FOR SCHEDULING THE FINAL INSPECTION.
11. DETECTABLE WARNINGS WILL UTILIZE PAVERS UNLESS ALTERNATIVE IS APPROVED BY CITY.

CITY EROSION CONTROL NOTES:

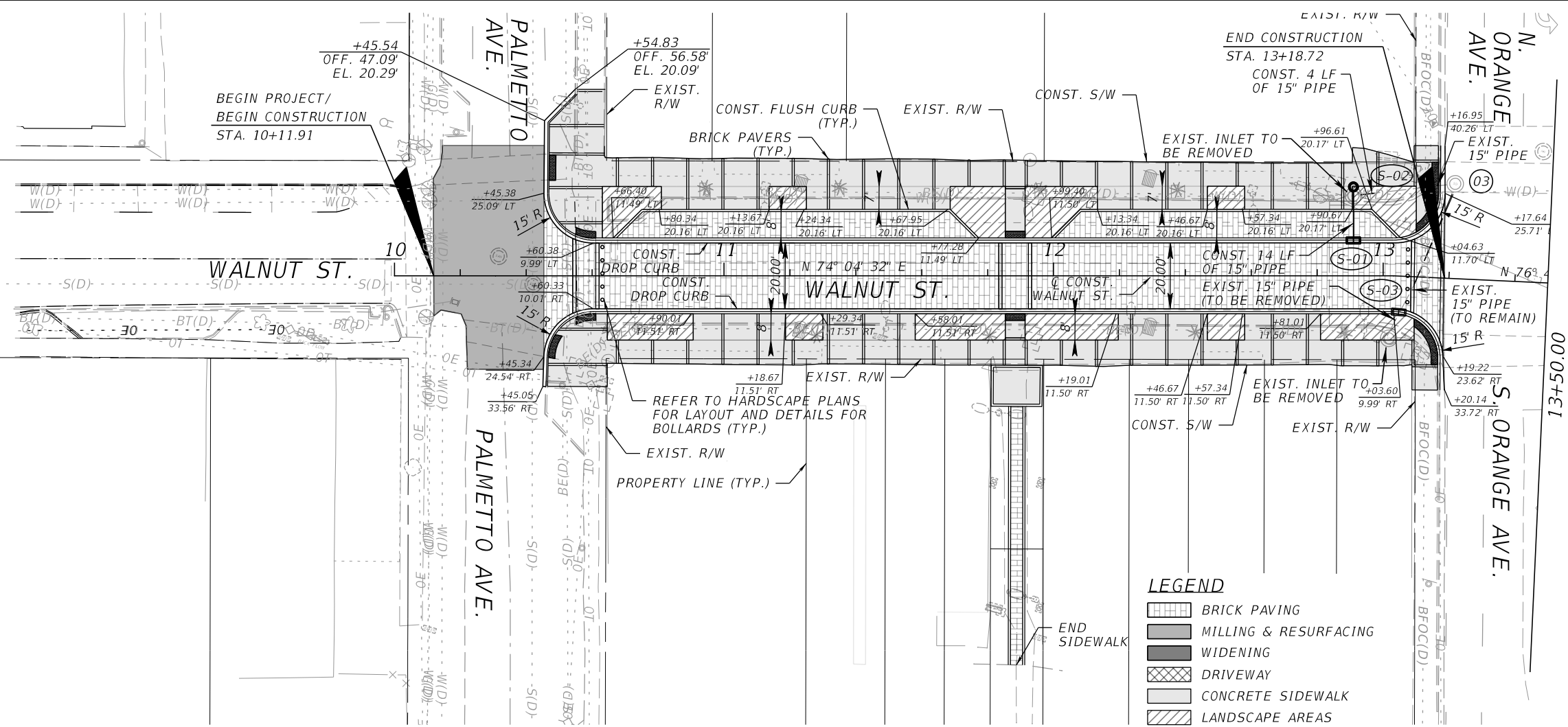
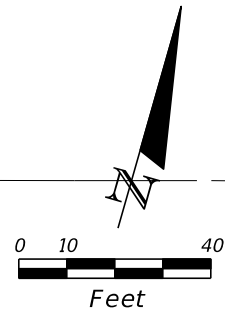
12. PURSUANT TO COMPREHENSIVE PLAN POLICY 9:1 OF THE CONSERVATION ELEMENT, THE USE OF ONE OR MORE EROSION CONTROL MEASURES, AS REQUESTED BY THE CITY OF G.C.S. ENGINEERING DEPARTMENT, SHALL BE USED DURING CONSTRUCTION. THESE WILL BE, BUT NOT LIMITED TO, ITEMS SUCH AS TEMPORARY GRASS COVER, SEDIMENT BASINS OR PONDS, MULCHING, TEMPORARY FENCES, DIVERSION CHANNELS AND HAY BALES.
13. PURSUANT TO COMPREHENSIVE PLAN POLICY 9:1 OF THE CONSERVATION ELEMENT, SCHEDULING OF CONSTRUCTION SHALL BE GIVEN SPECIAL CONSIDERATION TO MINIMIZE EXPOSURE OF BARE SOIL. THE CONTRACTOR WILL FORMULATE A CONSTRUCTION SCHEDULE TO BE GIVEN TO THE CITY REPRESENTATIVE.
14. THE CONTRACTOR SHALL CHECK EACH DAY TO INSURE THAT ALL EROSION CONTROL DEVICES ARE IN PLACE AND WORKING PROPERLY.
15. ALL EROSION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH THE RULES, REGULATION AND STANDARDS OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD), THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND THE UNITED STATE ARMY CORP OF ENGINEERS.
16. THE CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO PREVENT THE EROSION OF SOIL AND DEPOSITION OF SEDIMENT ON ADJACENT AND DOWNSTREAM PROPERTIES.
17. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.

CITY PUBLIC SAFETY NOTES:

18. BLUE, ALL DIRECTIONAL HIGHWAY-STYLE REFLECTIVE MARKERS SHALL BE PROVIDED ON ALL ROADWAYS, ALLEYS, ACCESS ROADS AND ALL PAVED AREA IN FRONT OF EACH HYDRANT. SAID MARKERS SHALL BE LOCATED IN THE LANE OF TRAVEL ON THE SAME SIDE AS THE HYDRANT. THESE MARKERS SHALL BE IN PLACE AT THE TIME OF FINAL INSPECTION OR APPROVAL.
19. COMPACTION DENSITIES FOR ALL ROADWAY CROSSINGS ARE TO BE TAKEN IN ONE-FOOT (1') LIFTS. STORM SEWER PIPE DENSITIES WILL START AT THE HAUNCHES OF THE PIPE AND BE TAKEN EVERY 6" UNTIL IS REACHED 1' ABOVE THE PIPE.
20. ALL STORM SEWER PIPES SHALL BE CUT FLUSH WITH THE INTERIOR WALL OF ANY TYPE MANHOLE OR CURB AND DITCH BOTTOM INLETS.
21. THE ASPHALT SHALL BE CORED FOR THICKNESS AND WILL BE GIVEN A ONE-QUARTER INCH (1/4") TOLERANCE. IF HOWEVER THE CITY'S REPRESENTATIVE IS PRESENT AT POUR AND FEELS COMFORTABLE WITH THE REQUIREMENTS THEN HE OR SHE MAY WAVE THIS POLICY.
22. LBR'S FOR SUBGRADE AT FORTY (40) AND LIME ROCK OR ALTERNATIVE BASE COURSE AT ONE HUNDRED (100). THERE WILL BE NO UNDER TOLERANCE.
23. ALL MATERIAL USED FOR BACK FILL SHALL BE SAND (A3) FREE DRAINING.
24. THERE ARE TO BE NO OPENED TRENCHES AT DAY'S END.
25. ALL DIRT AND DEBRIS TRACKED OUT OF THE PROJECT SHALL BE CLEANED DAILY AND TO THE DISCRETION OF THE CITY OF G.C.S. ENGINEERING DEPARTMENT.
26. ALL ROAD CLOSURES MUST BE APPROVED WITH 24 HOUR NOTICE.

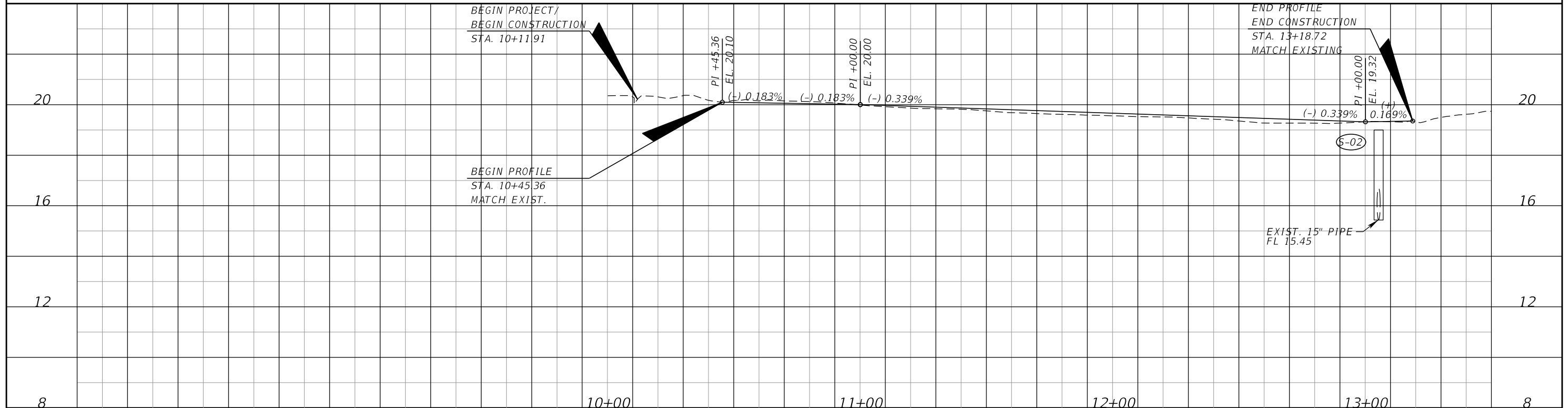
REVISIONS						JOHN D. WESTCOTT P.E. NO. 88357 WGI, INC. 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203 FLEMING ISLAND, FL 32003	 PREPARED FOR <b>CITY OF                  GREEN COVE SPRINGS</b>	SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			GENERAL NOTES	
							PROJECT NAME:	WALNUT STREET	SHEET NO.
									12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**LEGEND**

	BRICK PAVING
	MILLING & RESURFACING
	WIDENING
	DRIVEWAY
	CONCRETE SIDEWALK
	LANDSCAPE AREAS



**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

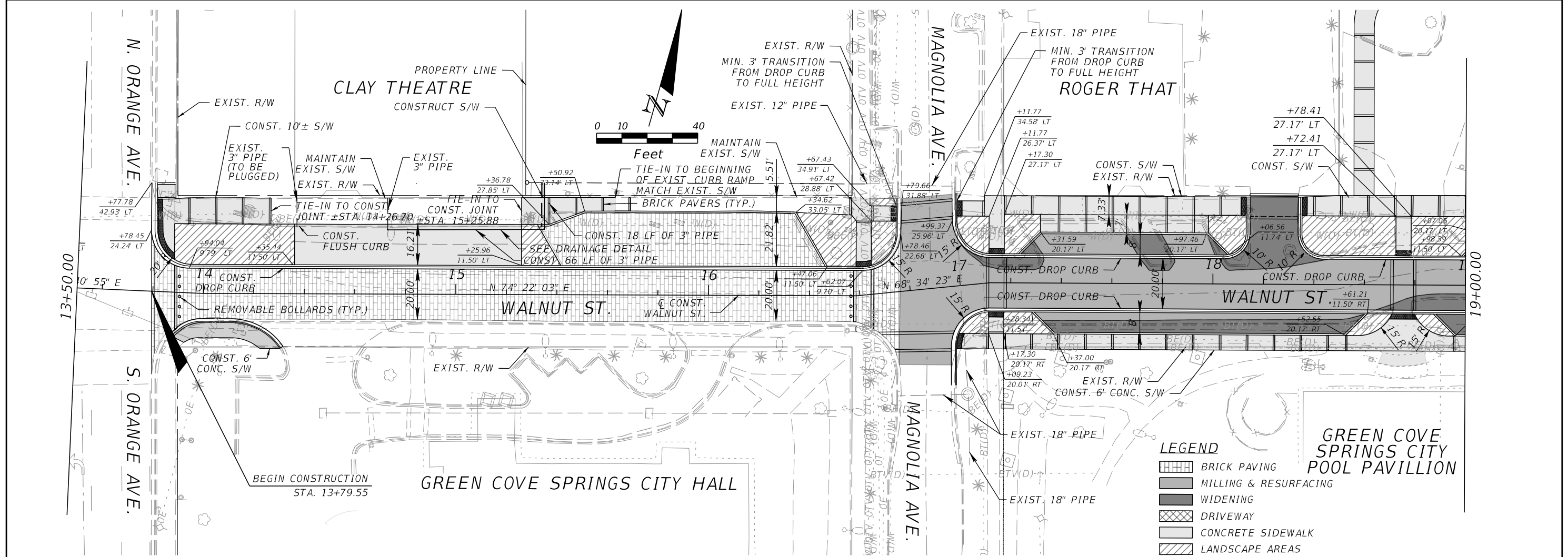
PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE:  
**ROADWAY PLAN-PROFILE**

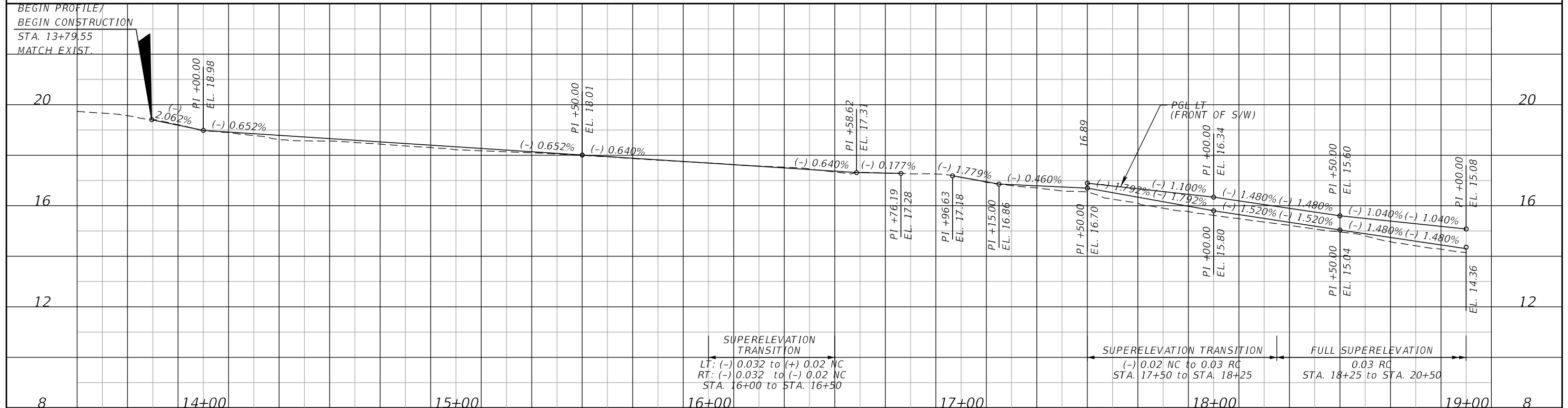
PROJECT NAME:  
**WALNUT STREET**

REF. DWG. NO.  
 SHEET NO.  
**13**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- LEGEND**
- BRICK PAVING
  - MILLING & RESURFACING
  - WIDENING
  - DRIVEWAY
  - CONCRETE SIDEWALK
  - LANDSCAPE AREAS



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

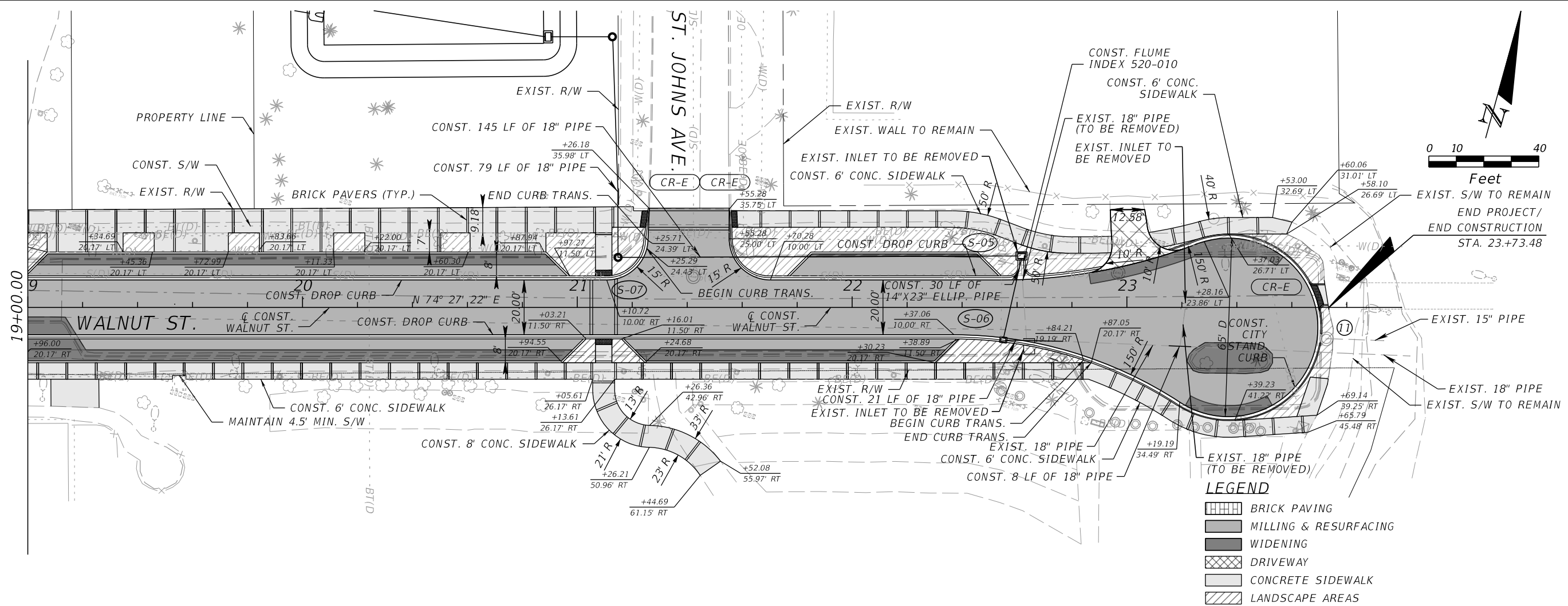
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**ROADWAY PLAN-PROFILE**

PROJECT NAME:  
**WALNUT STREET**

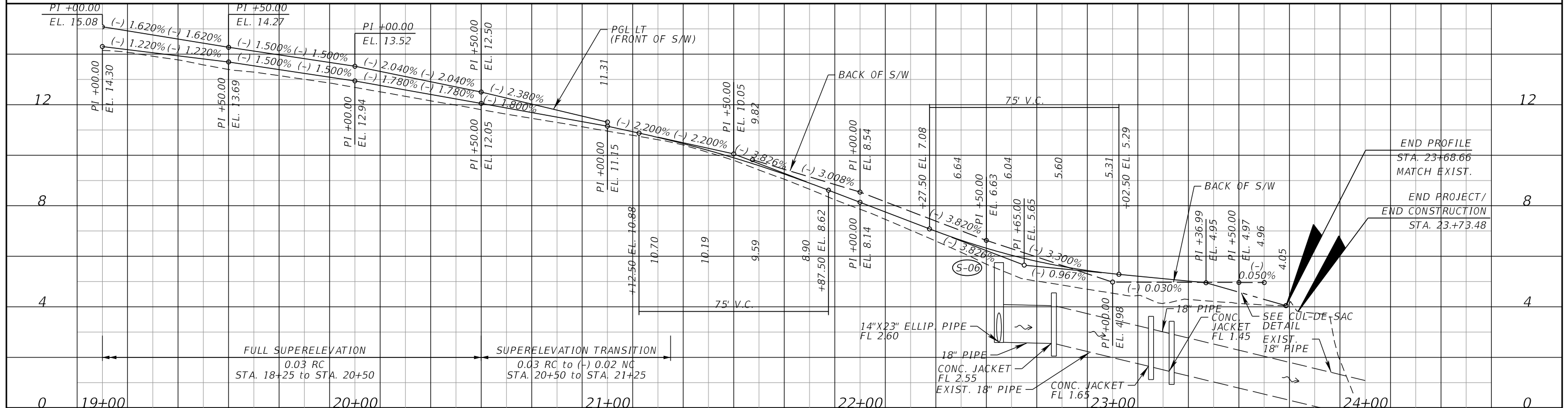
REF. DWG. NO.

SHEET NO.  
**14**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- LEGEND**
- BRICK PAVING
  - MILLING & RESURFACING
  - WIDENING
  - DRIVEWAY
  - CONCRETE SIDEWALK
  - LANDSCAPE AREAS



REVISIONS			
DATE	BY	DESCRIPTION	

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

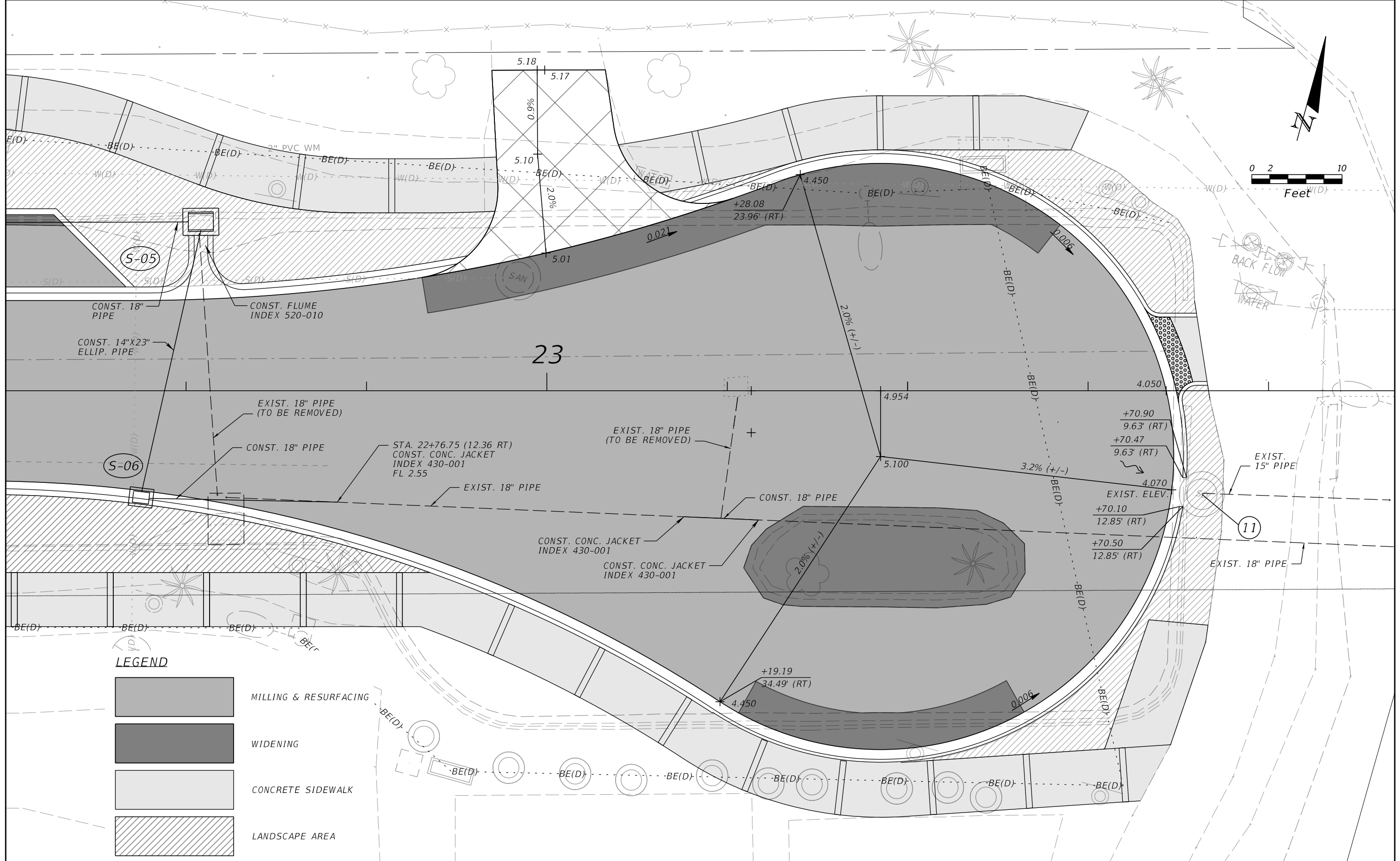
PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE:  
**ROADWAY PLAN-PROFILE**





PROJECT NAME:  
**WALNUT STREET**

REF. DWG. NO.  
 SHEET NO.  
**15**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**LEGEND**

-  MILLING & RESURFACING
-  WIDENING
-  CONCRETE SIDEWALK
-  LANDSCAPE AREA

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE: <b>CUL-DE-SAC DETAIL</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>16</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



←  $\phi$  CONST. WALNUT ST.

(S-03)  
STA. 13+05.20 (10.90 RT)  
CONST. 3'-5" ALT A  
DOGHOUSE STRUCTURE  
BASIN AND VALLEY GUTTER INLET  
USF 5101 W/ 6156 GRATES  
GRATE EL. 19.00  
FL 15.45 (LT)

R/W LINE

(S-03)  
13+05.20

TO  
(03)  
EXIST. 15" PIPE

(S-02)  
STA. 12+91.00 (27.00 LT)  
CONST. MH TYPE 7  
INDEX 425-001, 425-010, 430-001  
TOP EL. 19.50  
FL 15.87 (AH, RT)

(S-01)  
STA. 12+91.00 (10.70 LT)  
CONST. 14"X43" TYPE C CATCH  
BASIN VALLEY GUTTER INLET  
USF 5101 W/ 6156 GRATES  
GRATE EL. 19.00  
FL 16.00 (LT)

TO  
(03)

EXIST. 15" PIPE

CONST. 15" PIPE  
W/ CONC. JACKET

CONST. 15" PIPE

(S-02)  
(S-01)  
12+91.00

1" = 20' Horizontal  
1" = 10' Vertical

←  $\phi$  CONST. WALNUT ST.

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
P.E. NO. 77549  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



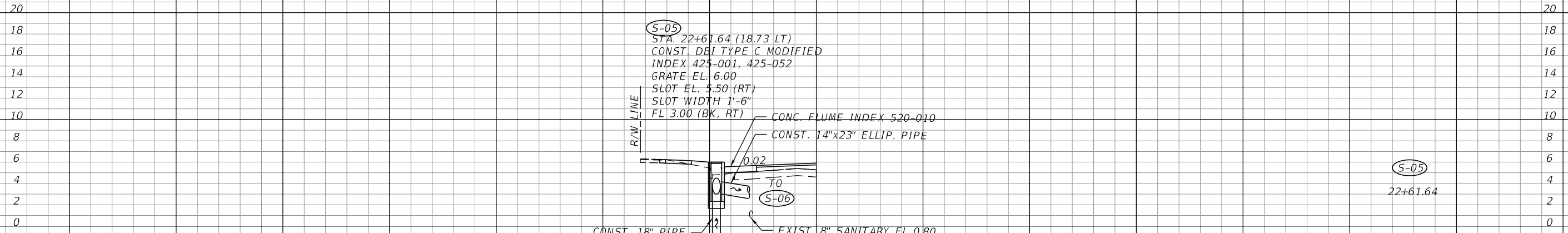
PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE:  
**DRAINAGE STRUCTURES**  
PROJECT NAME:  
**WALNUT STREET IMPROVEMENTS**

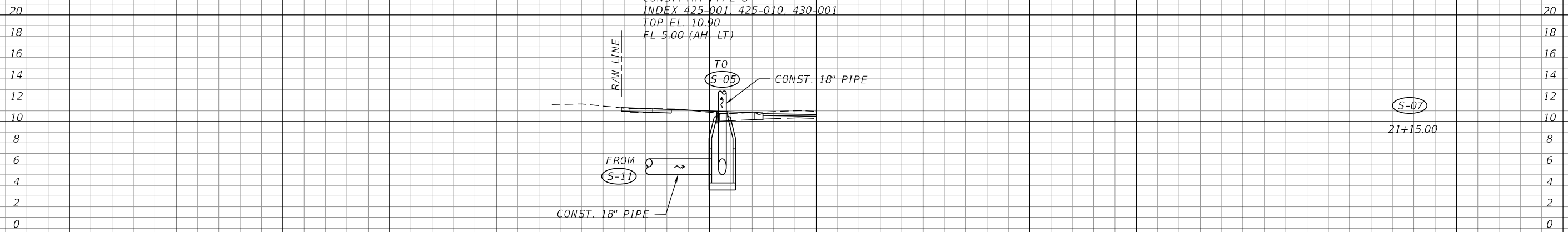
REF. DWG. NO.  
SHEET NO.  
**17**

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☉ CONST. WALNUT ST.



S-05  
22+61.64



S-07  
21+15.00

☉ CONST. WALNUT ST.

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
 P.E. NO. 77549  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
 GREEN COVE SPRINGS**

SHEET TITLE:  
**DRAINAGE STRUCTURES**

PROJECT NAME:  
**WALNUT STREET IMPROVEMENTS**

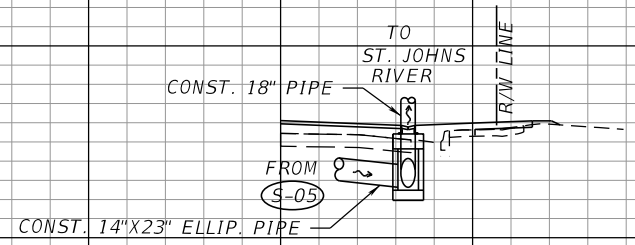
REF. DWG. NO.  
 SHEET NO.  
**18**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

←  $\phi$  CONST. WALNUT ST.

(S-06)

STA. 22+55.00 (11.83 RT)  
CONST. 24"X43" TYPE C CATCH  
BASIN AND VALLEY GUTTER INLET  
USE 5101 W/ 6156 GRATES  
GRATE EL. 5.75  
FL 2.60 (AH, LT)



(S-06)  
22+55.00

1" = 20' Horizontal  
1" = 10' Vertical

←  $\phi$  CONST. WALNUT ST.

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
P.E. NO. 77549  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE:  
**DRAINAGE STRUCTURES**

PROJECT NAME:  
**WALNUT STREET IMPROVEMENTS**

REF. DWG. NO.

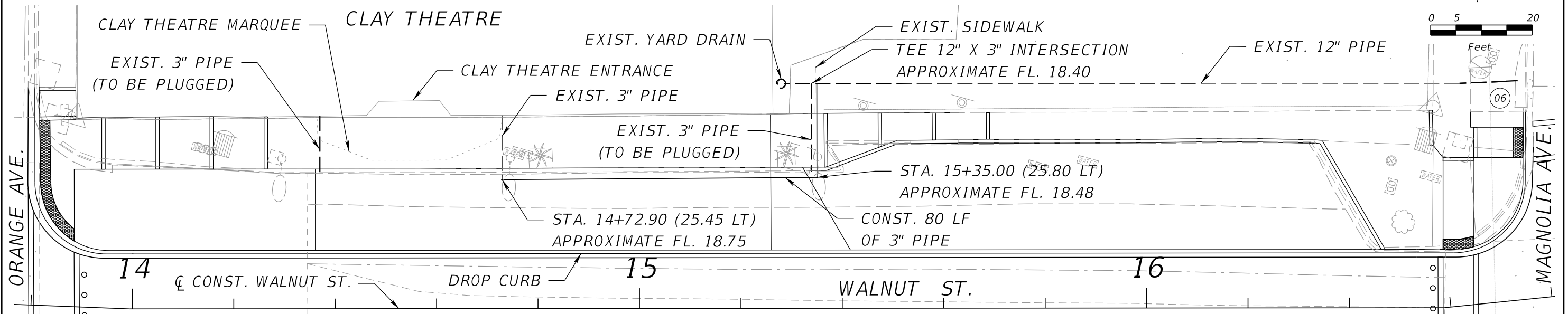
SHEET NO.

19

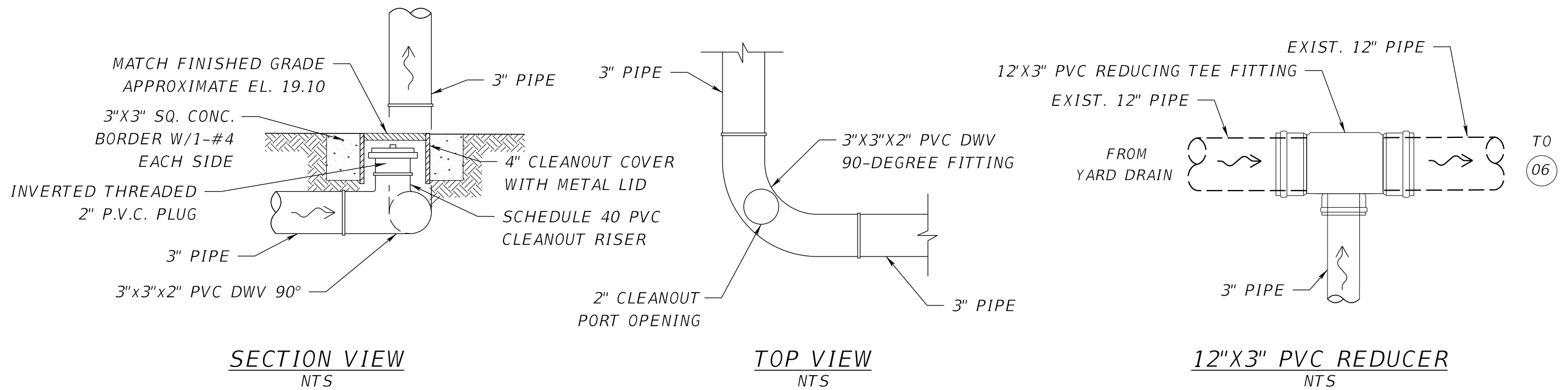
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**NOTES:**

1. CONTRACTOR TO FIELD VERIFY ROOF DRAIN FLOWLINES FOR PIPE CONNECTIONS.



**ROOF DRAIN CONNECTION DETAILS**



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
P.E. NO. 77549  
WGI, INC.  
4371 U.S HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003

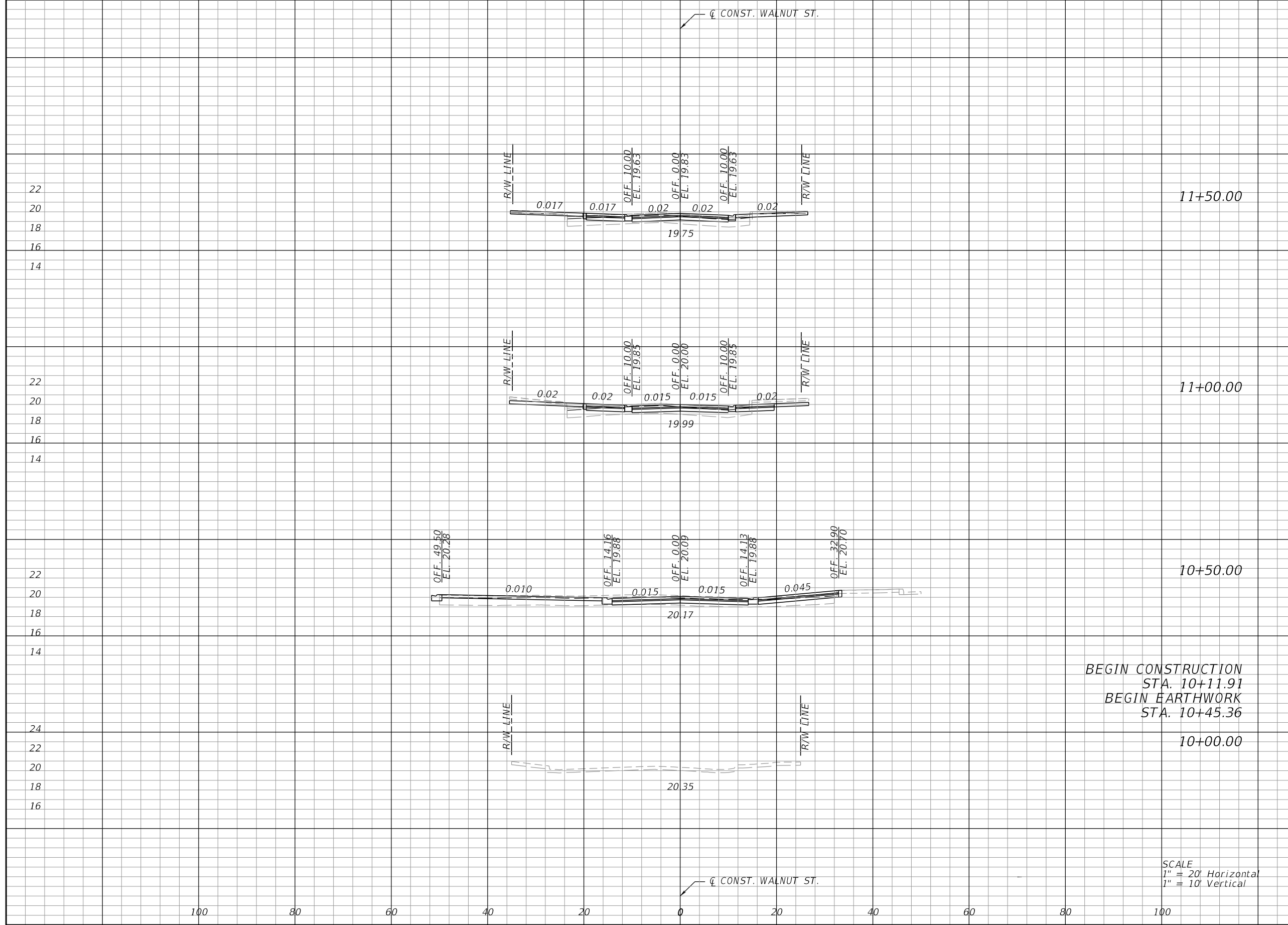


PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE: <b>DRAINAGE DETAIL</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>20</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Regular		Exc.		Embankment	
A	V	A	V	A	V
			6.0		2.0
4.1		0.1			
	9.3				0.2
6.0		0			
	10.7				0
5.5		0			
	0.5				0
0		0			



REVISIONS				
BY	DESCRIPTION	DATE	BY	

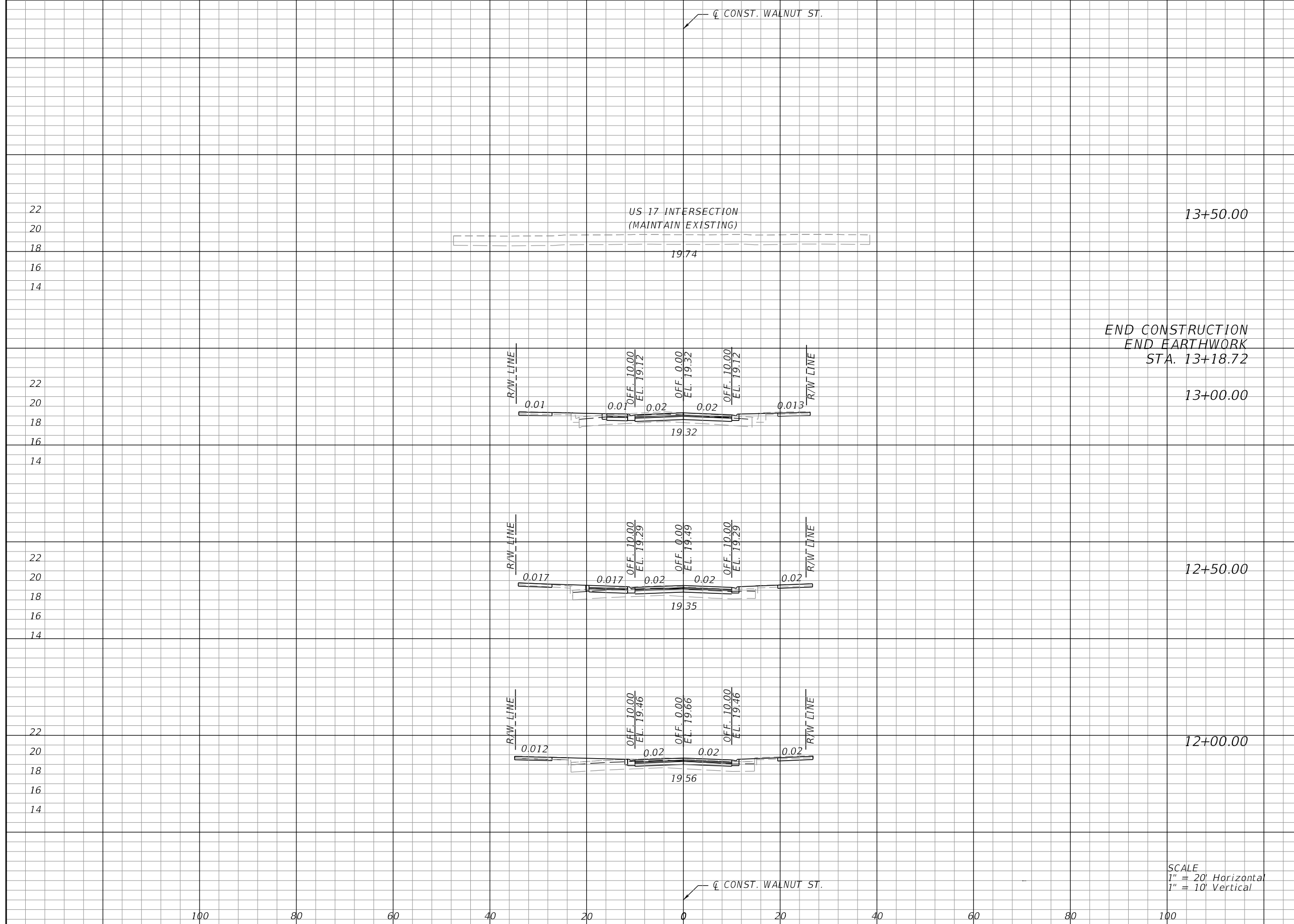
JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE:	<b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>21</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




Regular		Exc.		Embankment	
A	V	A	V	A	V
			3.7		1.7
22		0		0	
20					
18					
16					
14			3.2		1.9
22					
20		3.5		2.0	
18					
16					
14			5.7		3.3
22					
20		2.7		1.5	
18					
16					
14			4.7		3.3
22					
20		2.4		2.0	
18					
16					
14					

SCALE  
 1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS				
BY	DESCRIPTION	DATE	BY	

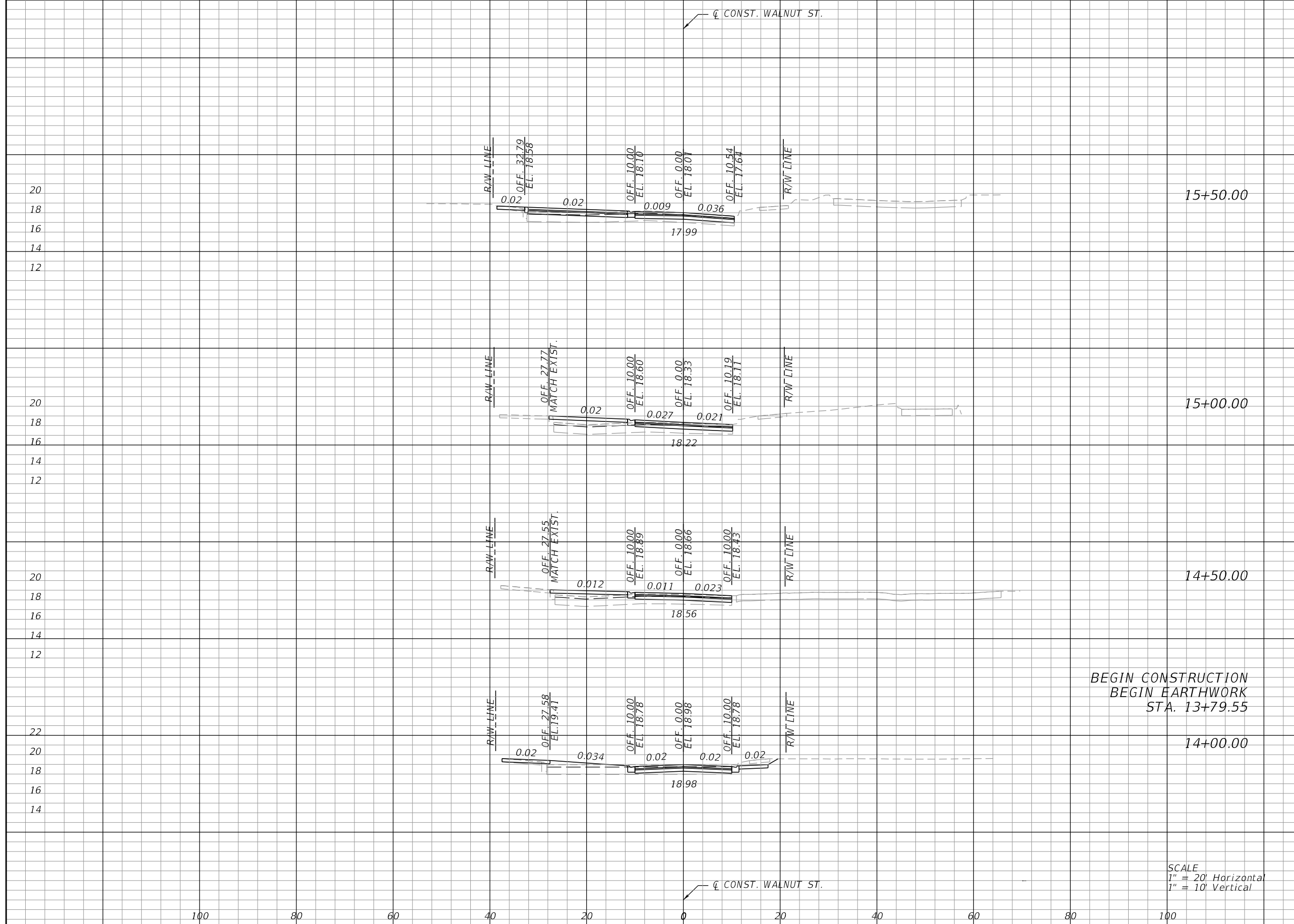
JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE: <b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>22</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.8		0
	2.9		0		
			4.2		0
	1.6		0		
			3.0		0
			5.3		1.7
	4.0		1.8		


SCALE  
1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS				
NO.	BY	DESCRIPTION	DATE	BY

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003

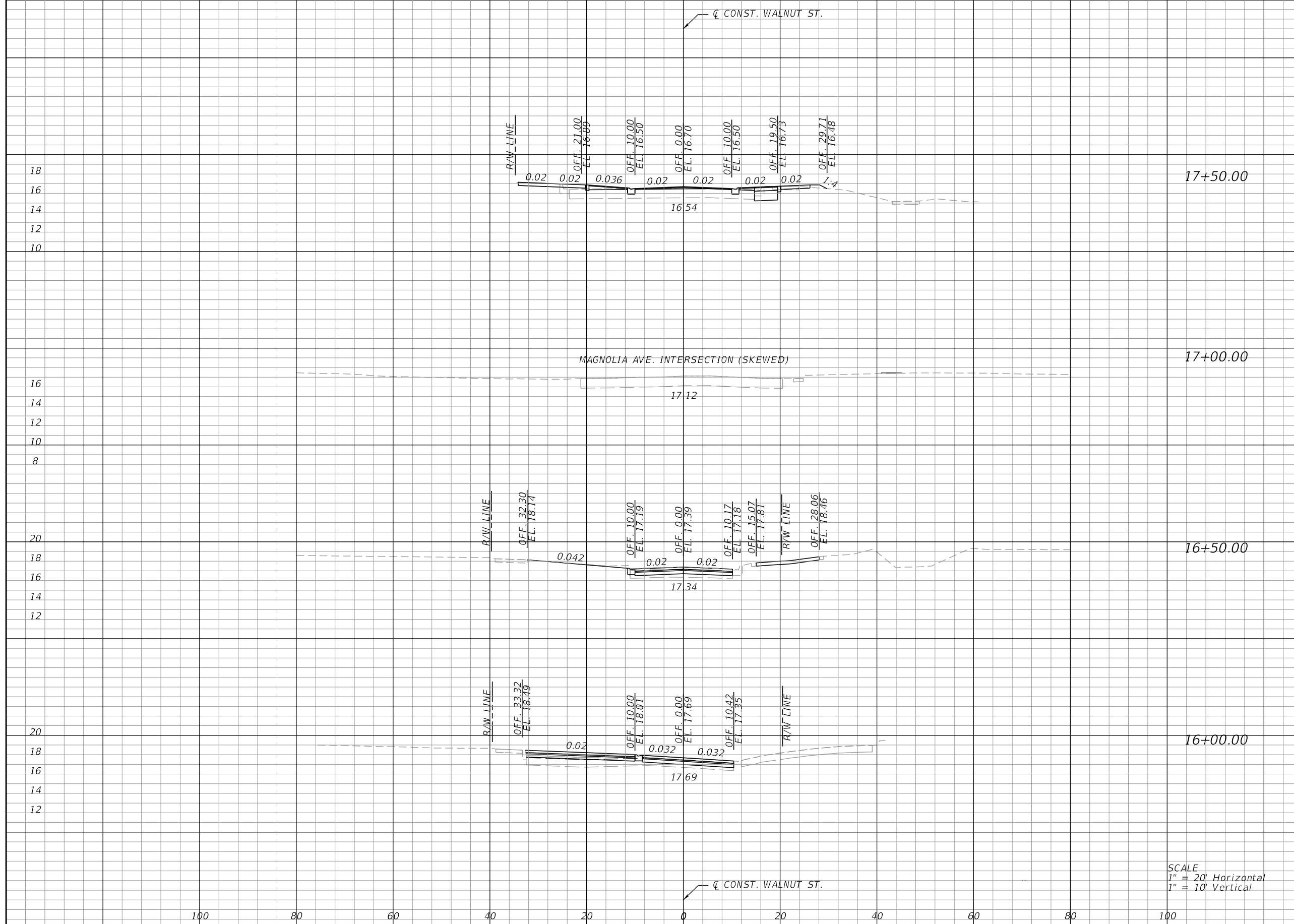
PREPARED FOR

**CITY OF GREEN COVE SPRINGS**



SHEET TITLE:	<b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>23</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




Regular		Exc.		Embankment	
A	V	A	V	A	V
			3.1		1.4
		1.5		0.1	
			1.3		0.1
		0		0	
			2.2		0
		2.4		0	
			4.3		0
		2.3		0	

SCALE  
 1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS				
NO.	BY	DESCRIPTION	DATE	BY

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

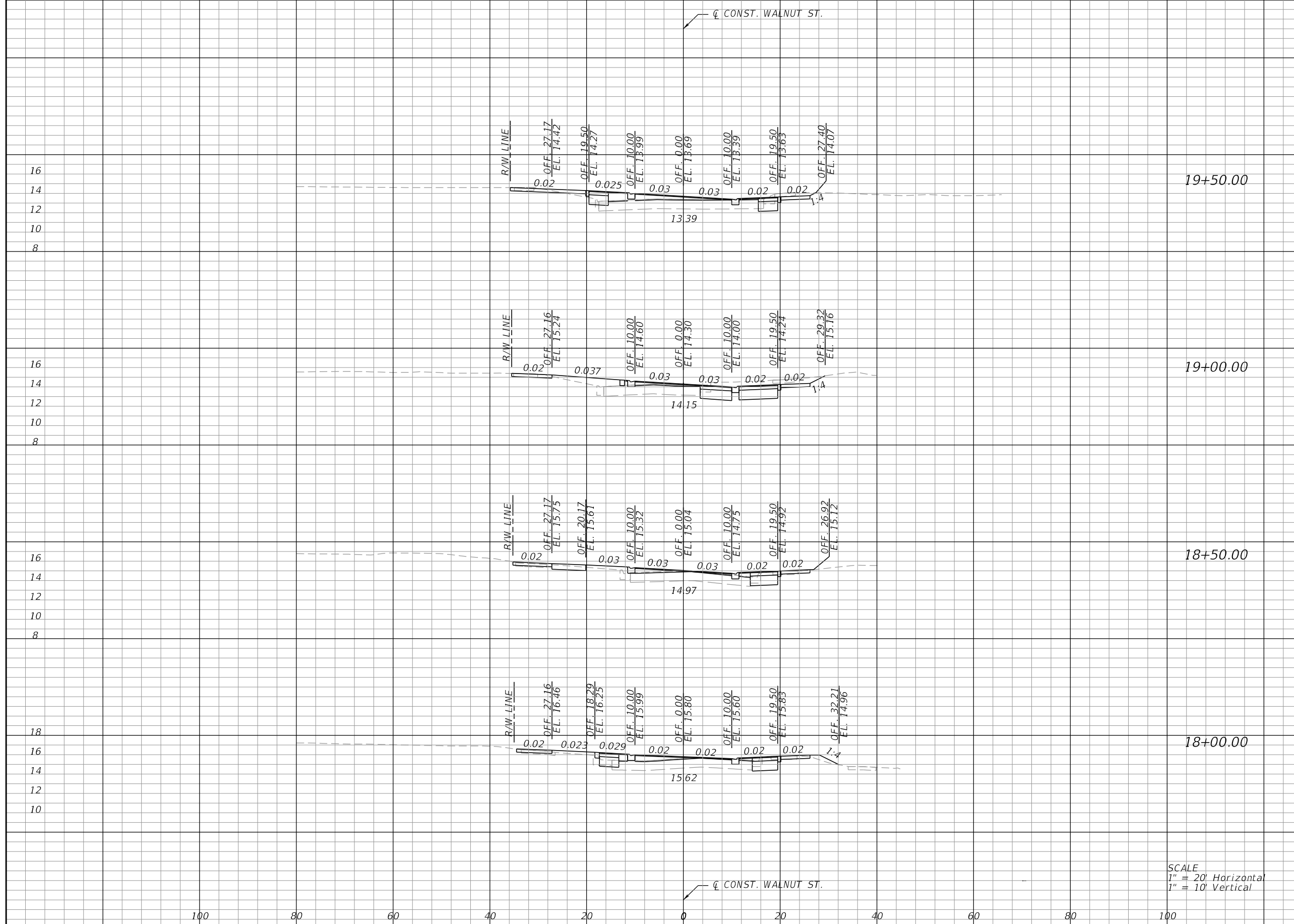
PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE: <b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>24</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.






Regular		Exc.		Embankment	
A	V	A	V	A	V
			7.4		0.2
19+50.00	4.1	0.1			
19+00.00	7.6	2.1			
			8.8		3.0
18+50.00	2.0	1.1			
			3.6		2.3
18+00.00	1.9	1.3			

SCALE  
 1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS				
BY	DESCRIPTION	DATE	BY	

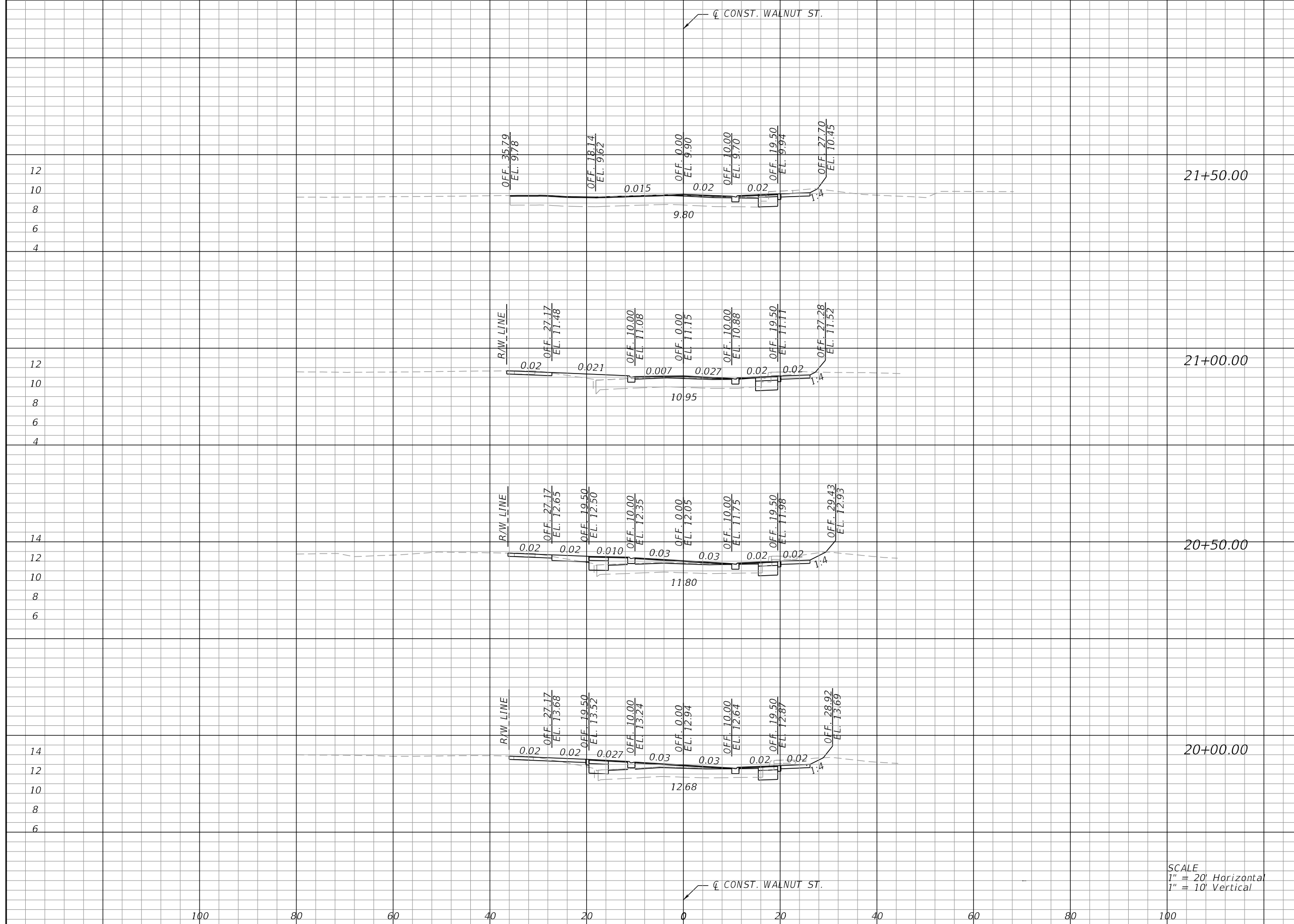
JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE: <b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>25</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.4		0.6
21+50.00	1.8	0			
21+00.00	2.9	1.4	4.4		1.3
20+50.00	3.6	0.1	6.0		1.3
20+00.00	4.0	0.1	7.0		0.2

SCALE  
 1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS				
BY	DESCRIPTION	DATE	BY	

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

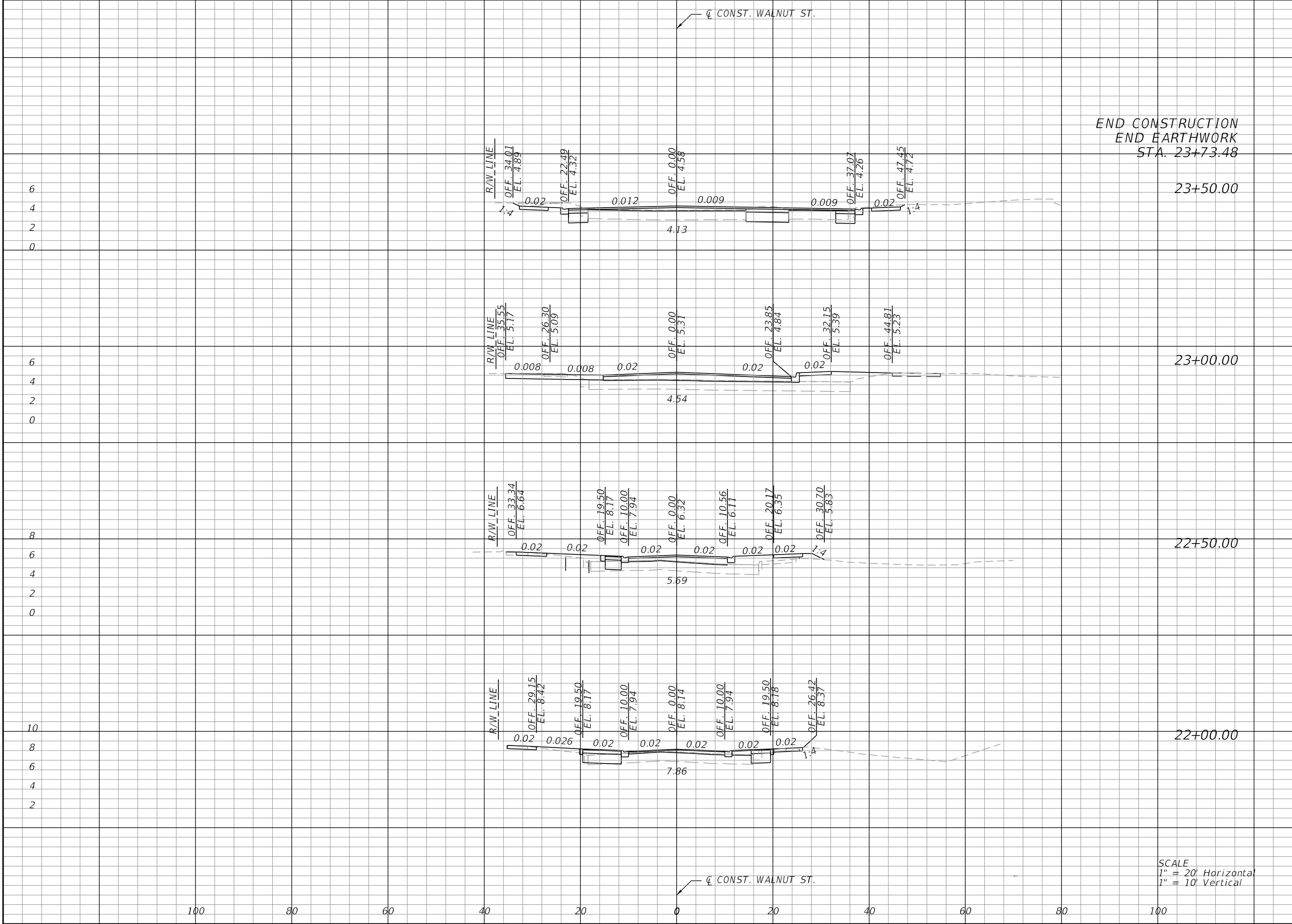
PREPARED FOR



**CITY OF GREEN COVE SPRINGS**

SHEET TITLE:	<b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>26</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



END CONSTRUCTION  
END EARTHWORK  
STA. 23+73.48

SCALE  
1" = 20' Horizontal  
1" = 10' Vertical

Regular Exc.		Embankment	
A	V	A	V
	7.3		0
7.9		0	
	8.8		2.8
1.5		3.0	
	2.4		6.6
1.1		4.1	
	3.7		4.4
2.9		0.6	

REVISIONS				
BY	DESCRIPTION	DATE	BY	

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE: <b>CROSS SECTIONS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>27</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Regular Exc.		Embankment	
A	V	A	V

☐ CONST. WALNUT ST.

18  
16  
14  
12  
10

R/W LINE  
OFF. 34.50  
EL. 16.18  
OFF. 27.17  
EL. 16.03

OFF. 10.00  
EL. 15.65

OFF. 0.00  
EL. 15.43

OFF. 10.00  
EL. 15.23

OFF. 19.50  
EL. 15.77

OFF. 29.17  
EL. 15.35

0.02 0.022 0.022 0.02 0.02 0.02 1:4

15.30

18+24.11

☐ CONST. WALNUT ST.

SCALE  
1" = 20' Horizontal  
1" = 10' Vertical

100 80 60 40 20 0 20 40 60 80 100

REVISIONS

BY	DESCRIPTION	DATE	BY

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

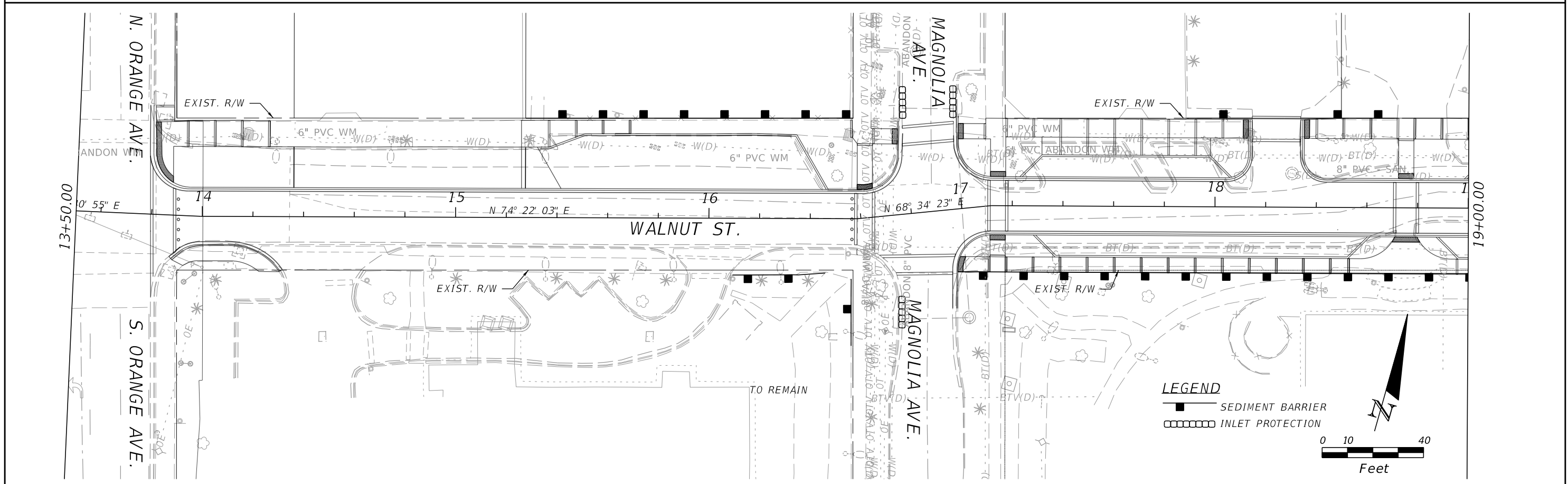
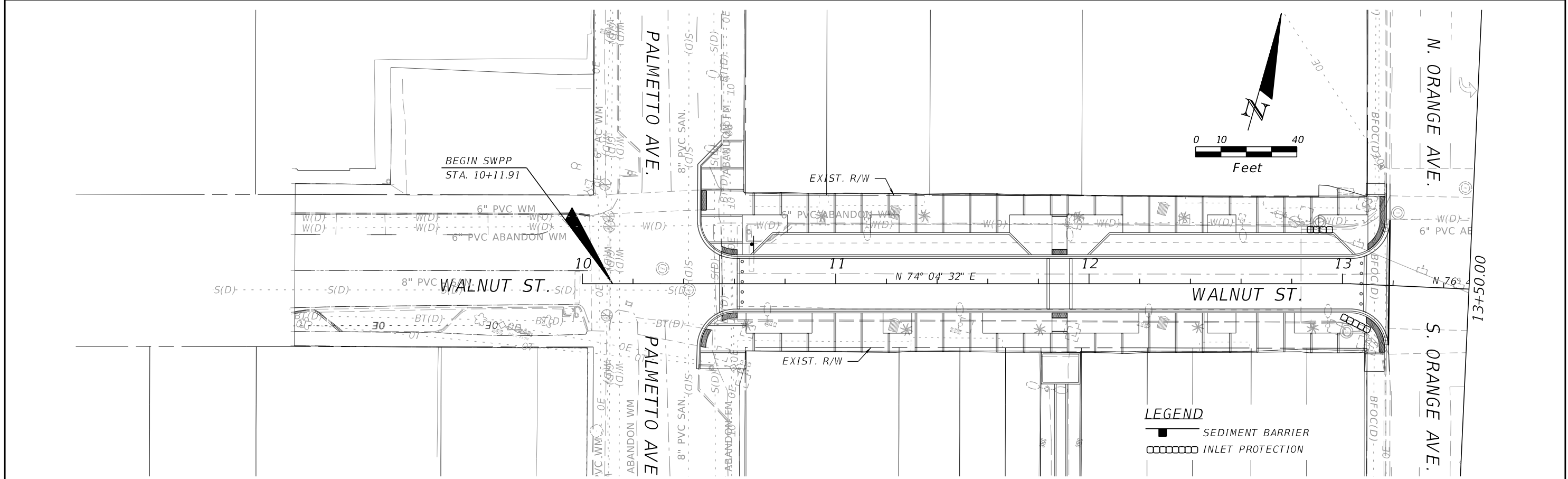
SHEET TITLE: **DRIVEWAY CROSS SECTIONS**

PROJECT NAME: **WALNUT STREET**

REF. DWG. NO.

SHEET NO.

28



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003



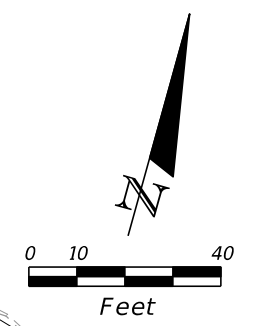
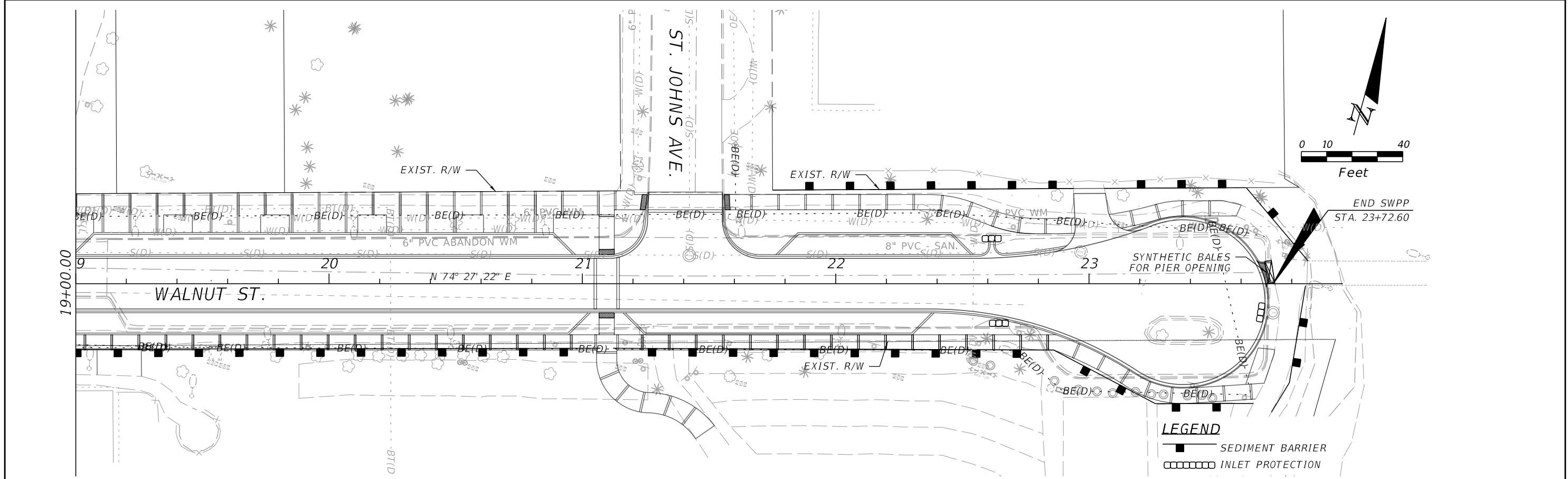
PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE:  
**EROSION CONTROL PLAN**

PROJECT NAME:  
**WALNUT STREET IMPROVEMENTS**

REF. DWG. NO.  
 SHEET NO.  
**29**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**LEGEND**  
 ■ SEDIMENT BARRIER  
 □ INLET PROTECTION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

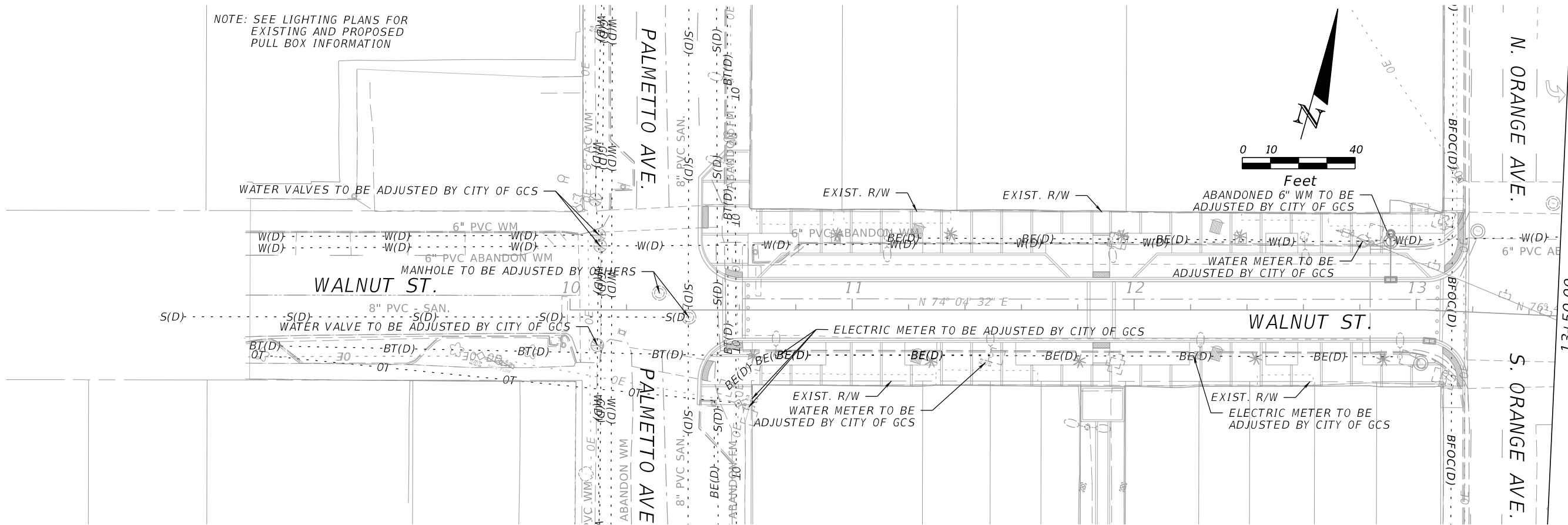
JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

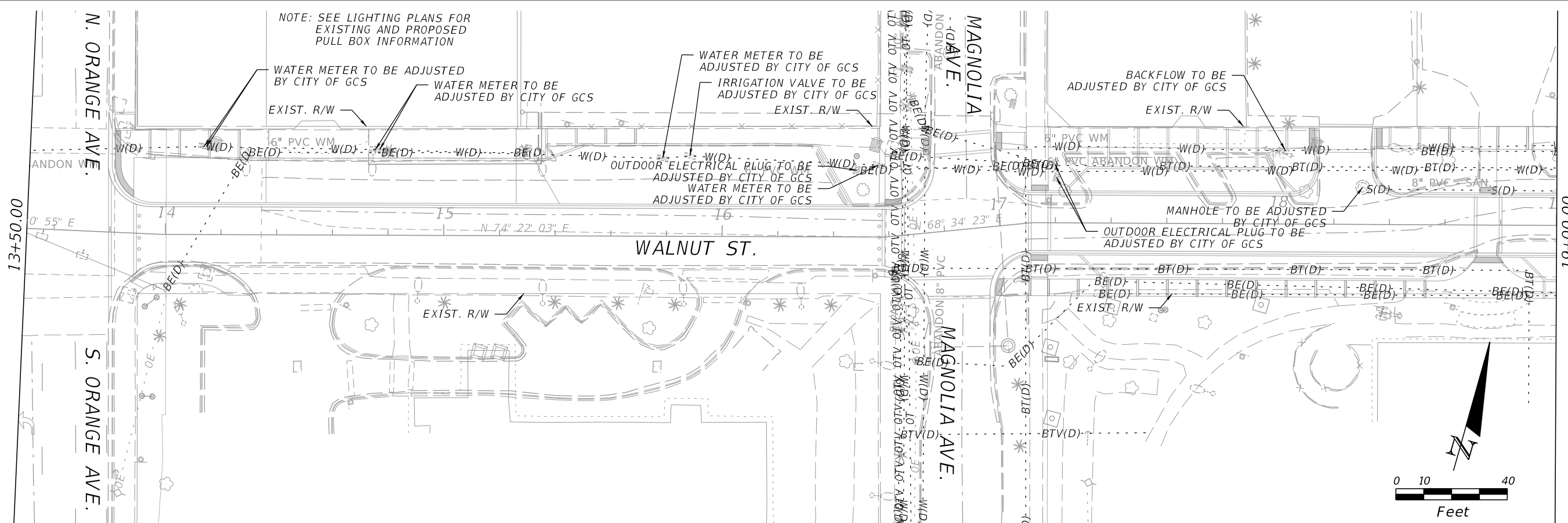
SHEET TITLE:	<b>EROSION CONTROL PLAN</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO.
		<b>30</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: SEE LIGHTING PLANS FOR EXISTING AND PROPOSED PULL BOX INFORMATION



NOTE: SEE LIGHTING PLANS FOR EXISTING AND PROPOSED PULL BOX INFORMATION



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE:

**UTILITY ADJUSTMENT PLAN**

PROJECT NAME:

**WALNUT STREET IMPROVEMENTS**

REF. DWG. NO.

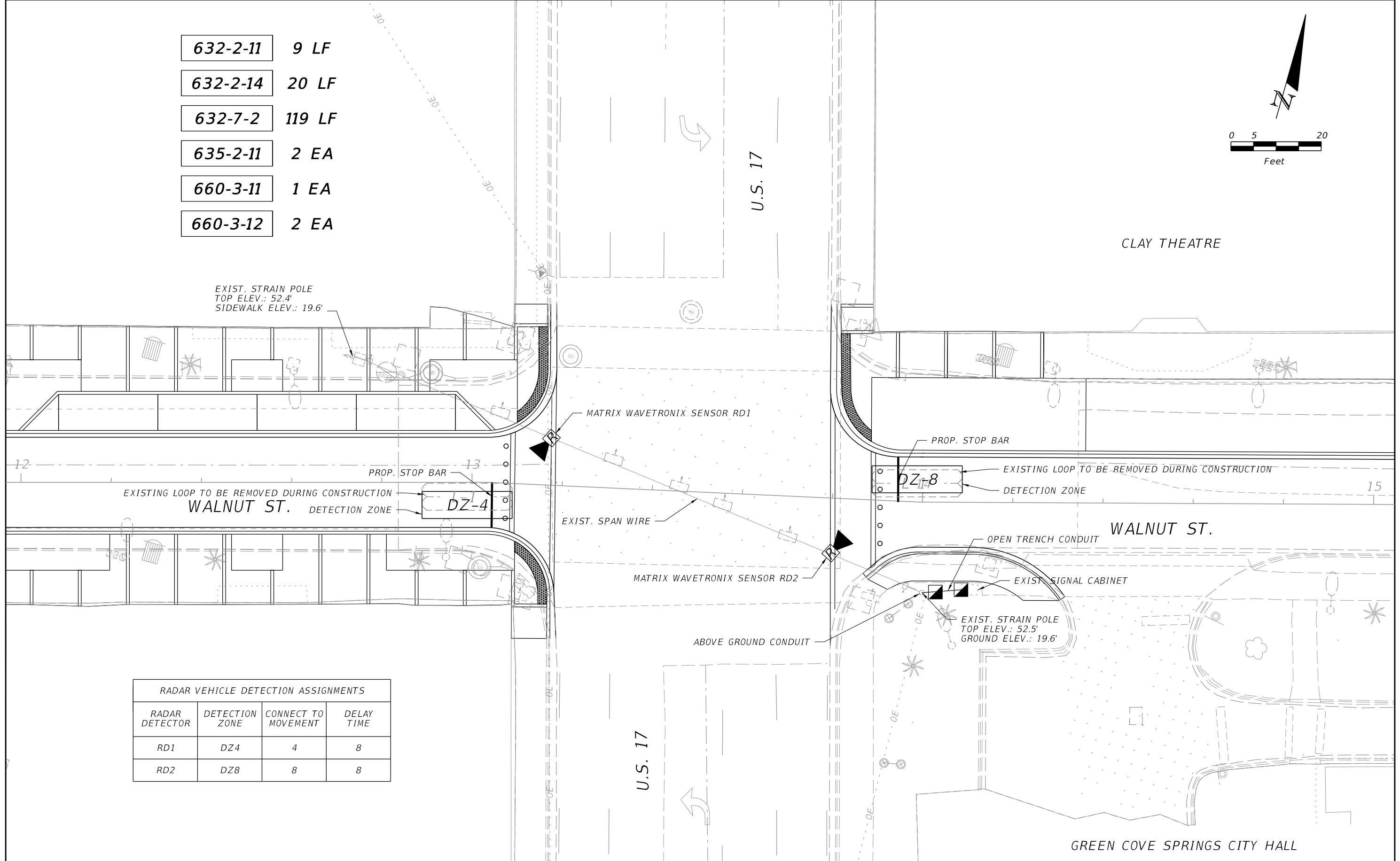
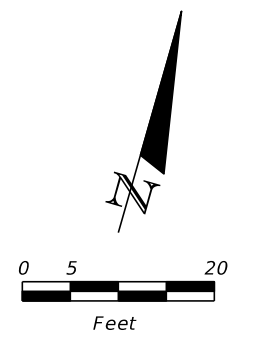
SHEET NO.

31





- 632-2-11**    9 LF
- 632-2-14**    20 LF
- 632-7-2**    119 LF
- 635-2-11**    2 EA
- 660-3-11**    1 EA
- 660-3-12**    2 EA



RADAR VEHICLE DETECTION ASSIGNMENTS			
RADAR DETECTOR	DETECTION ZONE	CONNECT TO MOVEMENT	DELAY TIME
RD1	DZ4	4	8
RD2	DZ8	8	8

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
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 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

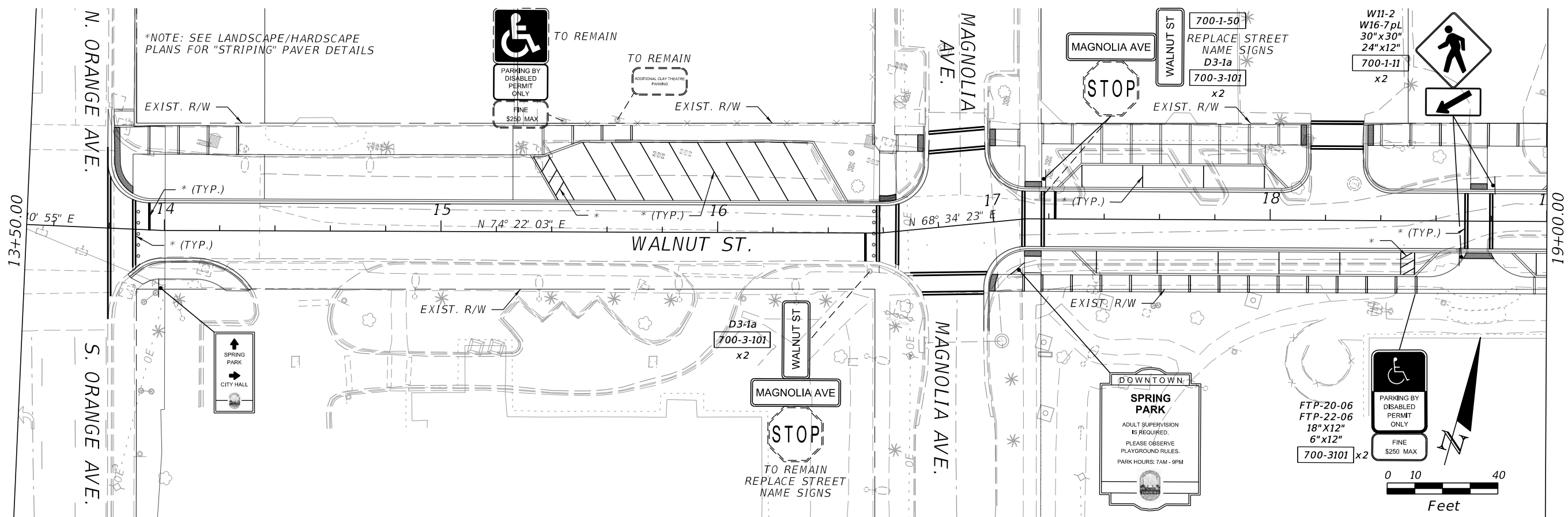
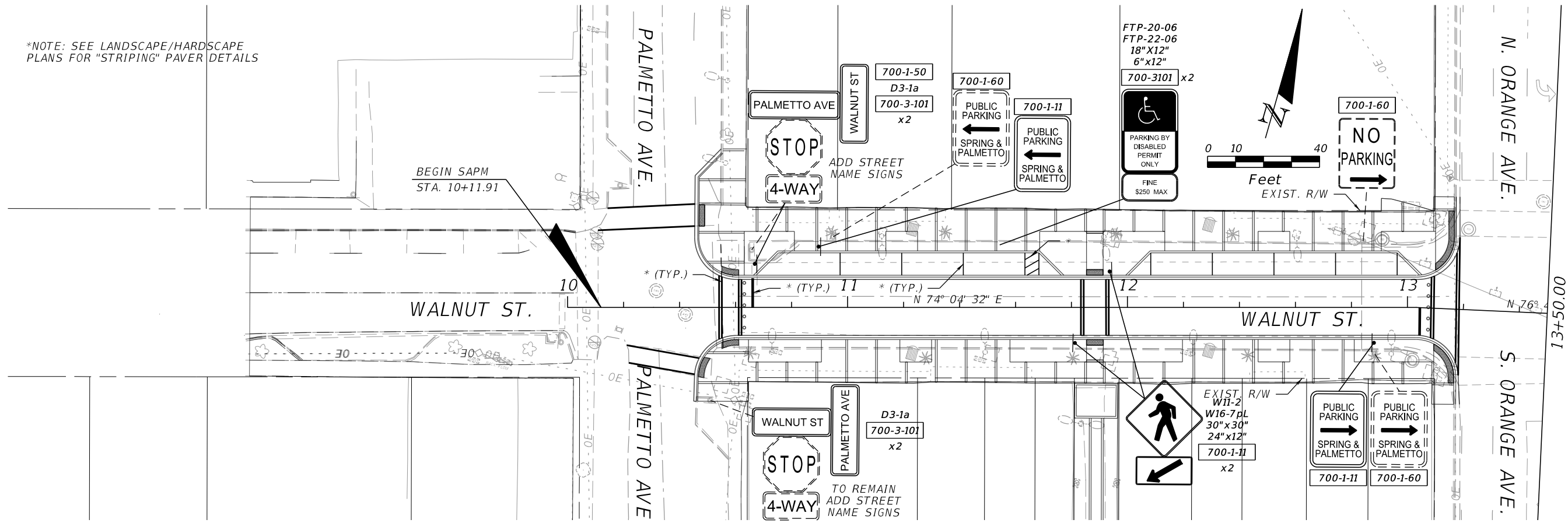
PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE:	<b>SIGNALIZATION PLAN</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO.
		<b>33</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

\*NOTE: SEE LANDSCAPE/HARDSCAPE PLANS FOR "STRIPING" PAVEMENT DETAILS



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

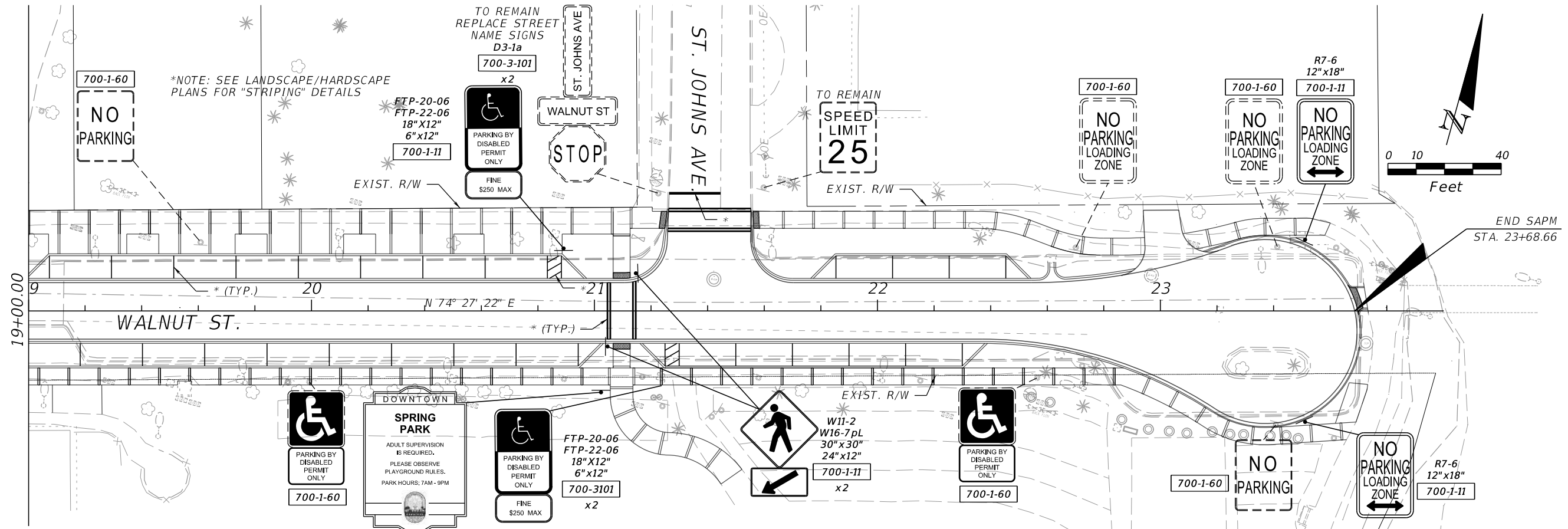
JOHN D. WESTCOTT  
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 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
 GREEN COVE SPRINGS**

SHEET TITLE: <b>SIGNING AND PAVEMENT MARKING PLAN</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>34</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

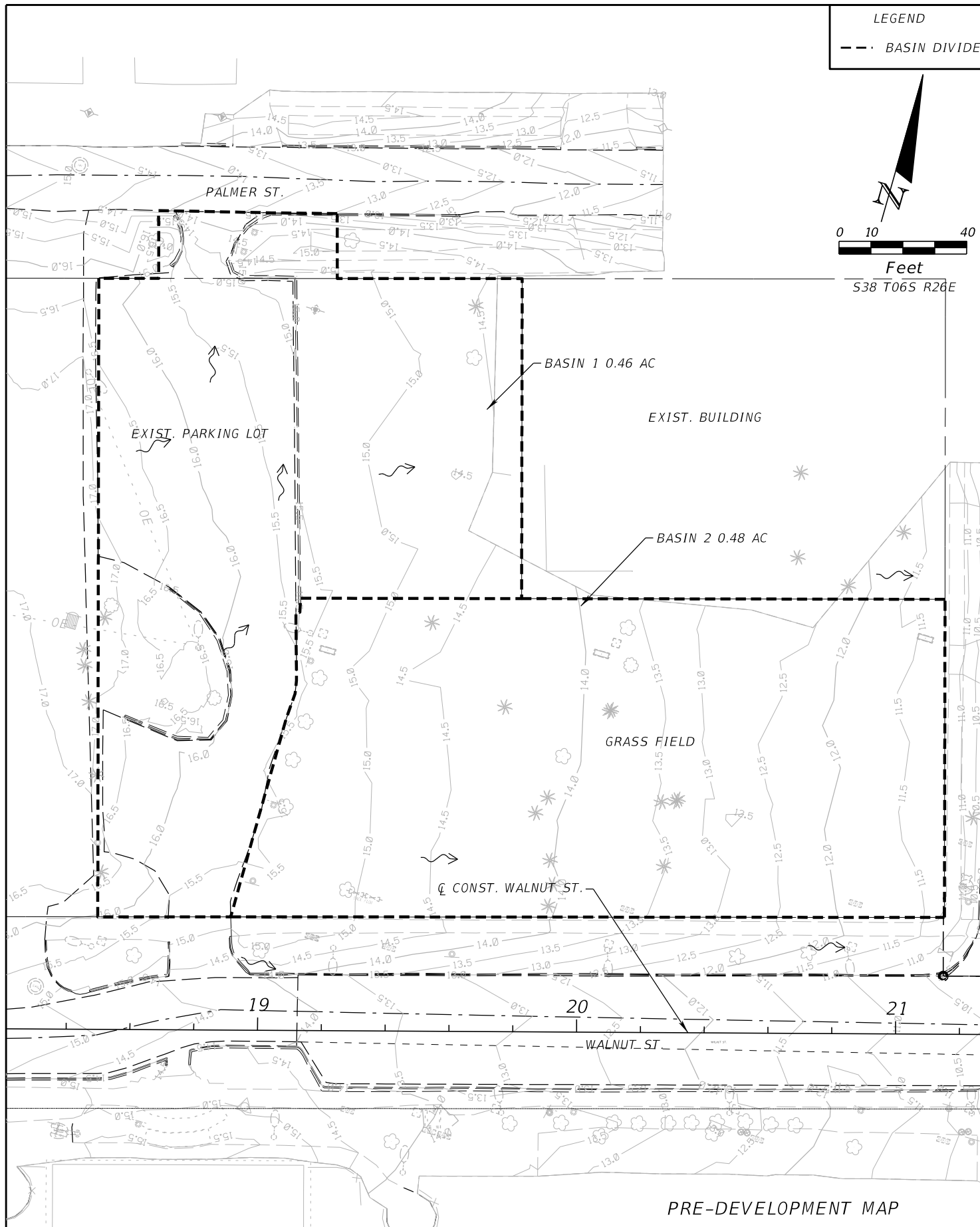
PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



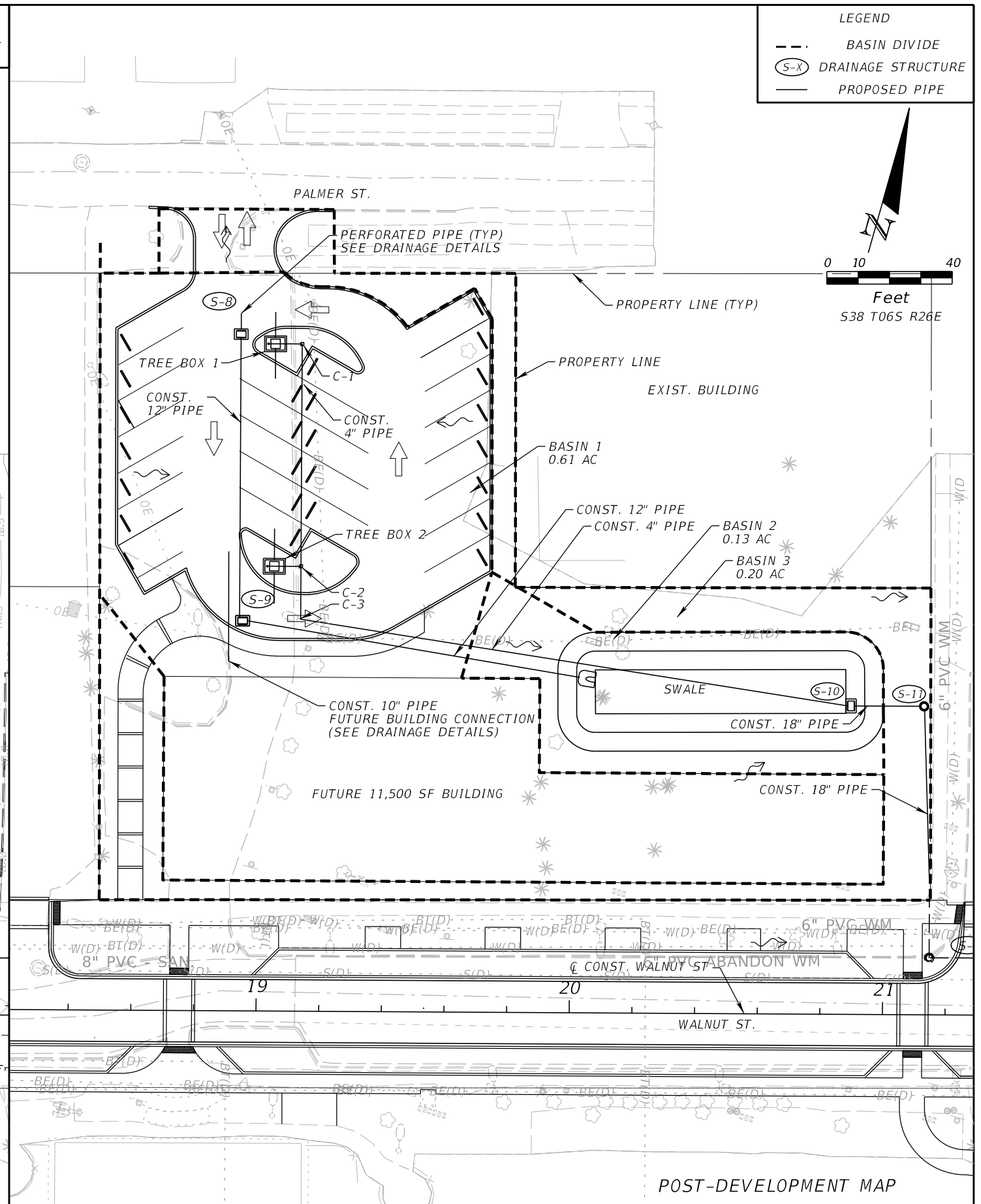
SHEET TITLE:	<b>SIGNING AND PAVEMENT MARKING PLAN</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO.
		<b>35</b>







PRE-DEVELOPMENT MAP



POST-DEVELOPMENT MAP

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

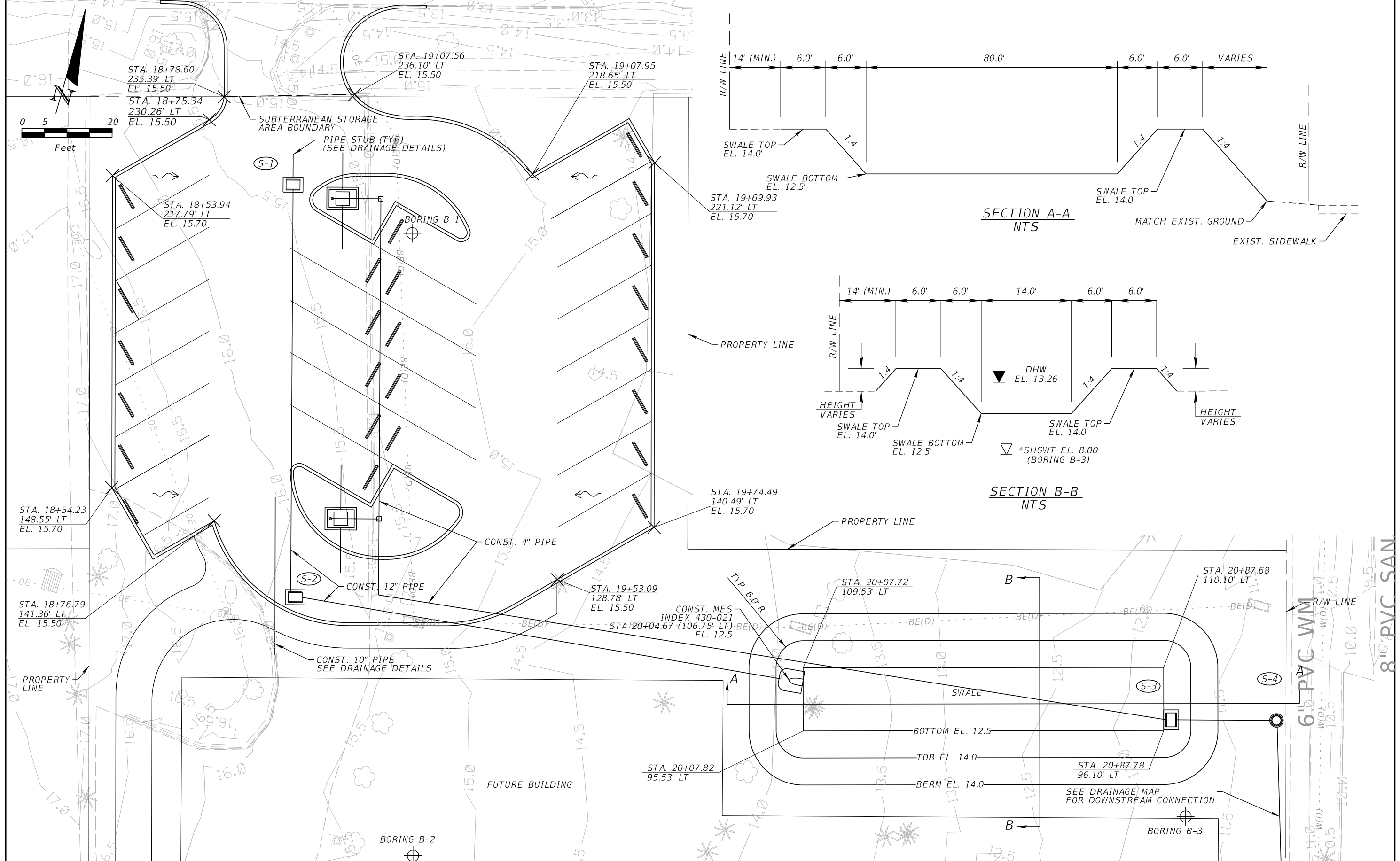
KEVIN M. CANN  
 P.E. NO. 77549  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE: <b>PARKING LOT DRAINAGE MAP</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>38</b>


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

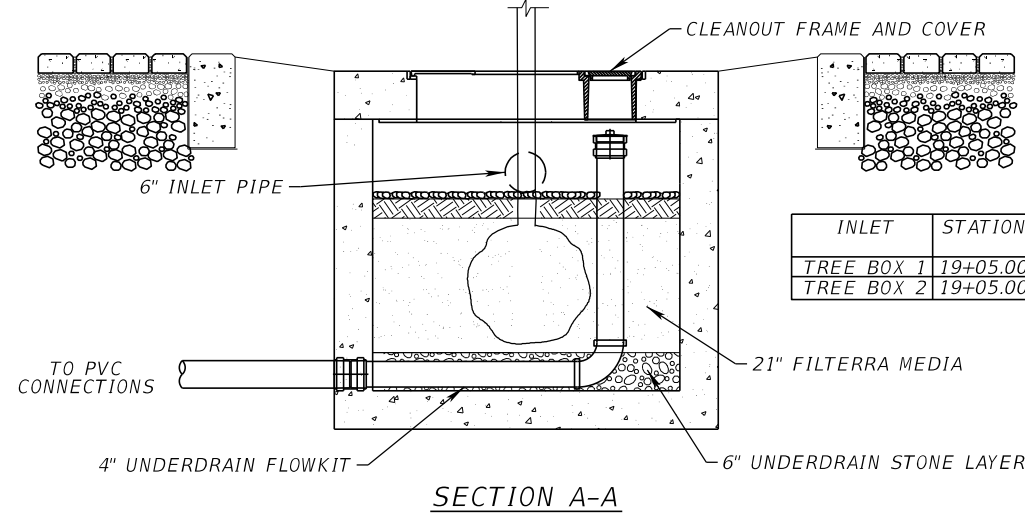
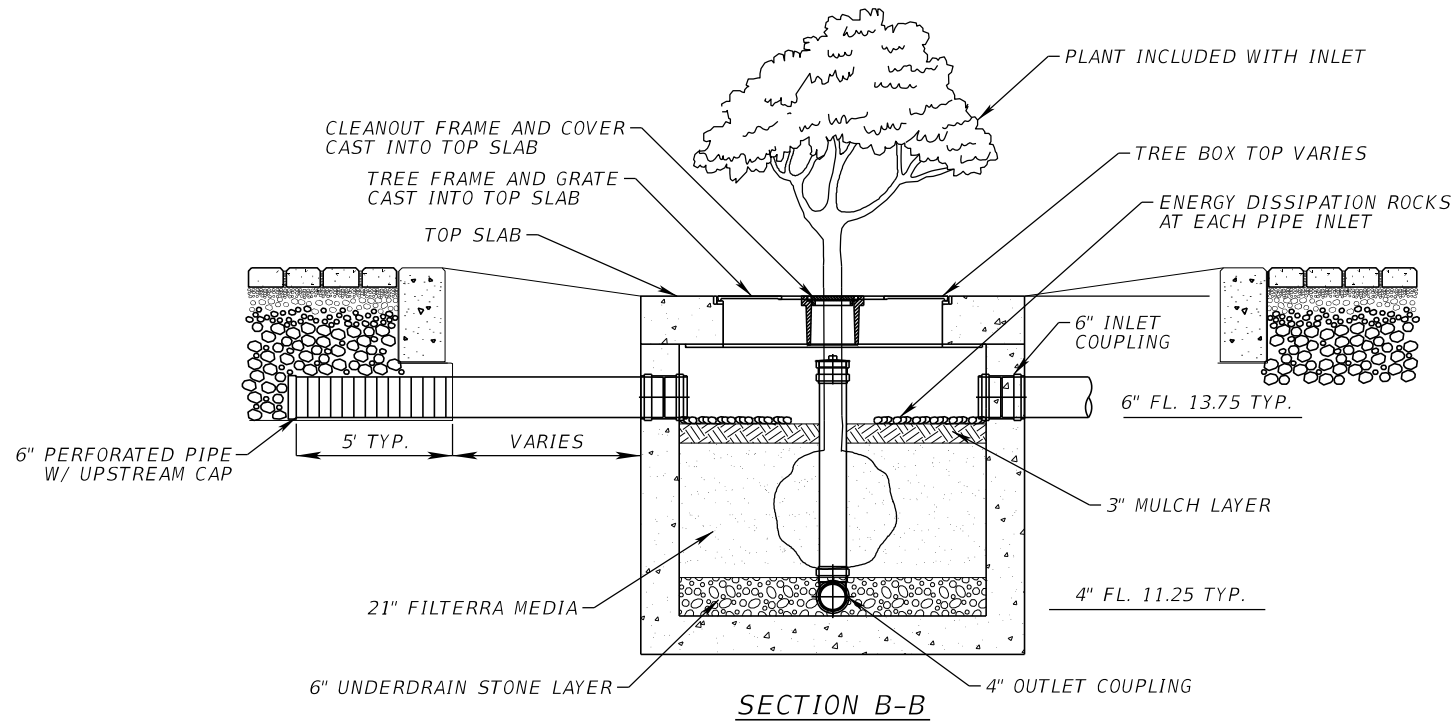


SHEET TITLE:  
**PARKING LOT GRADING DETAIL**

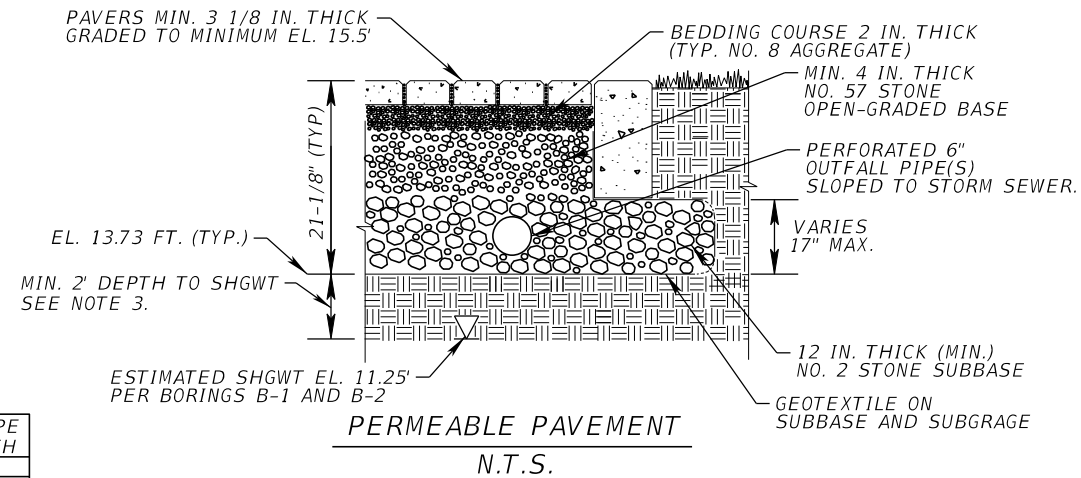
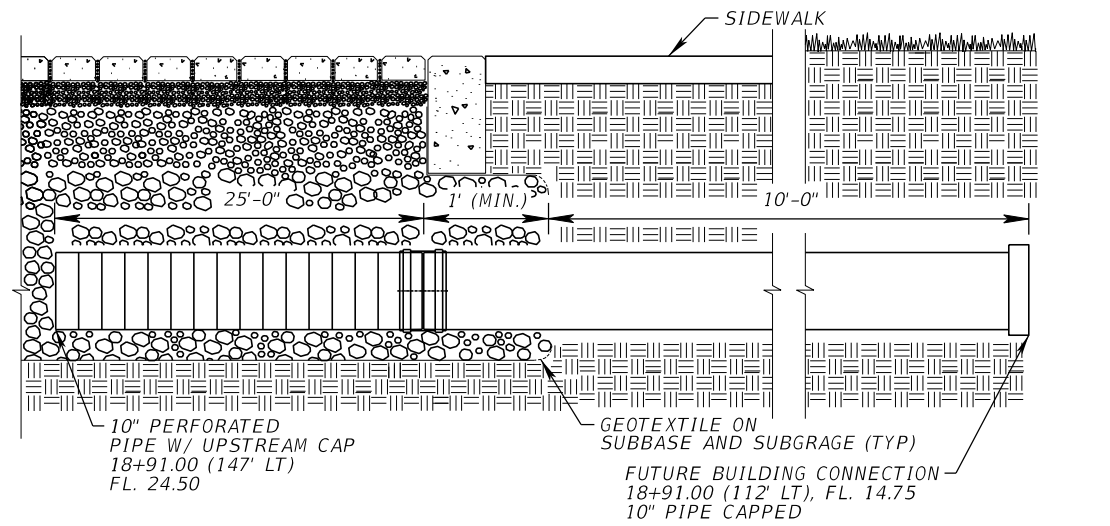
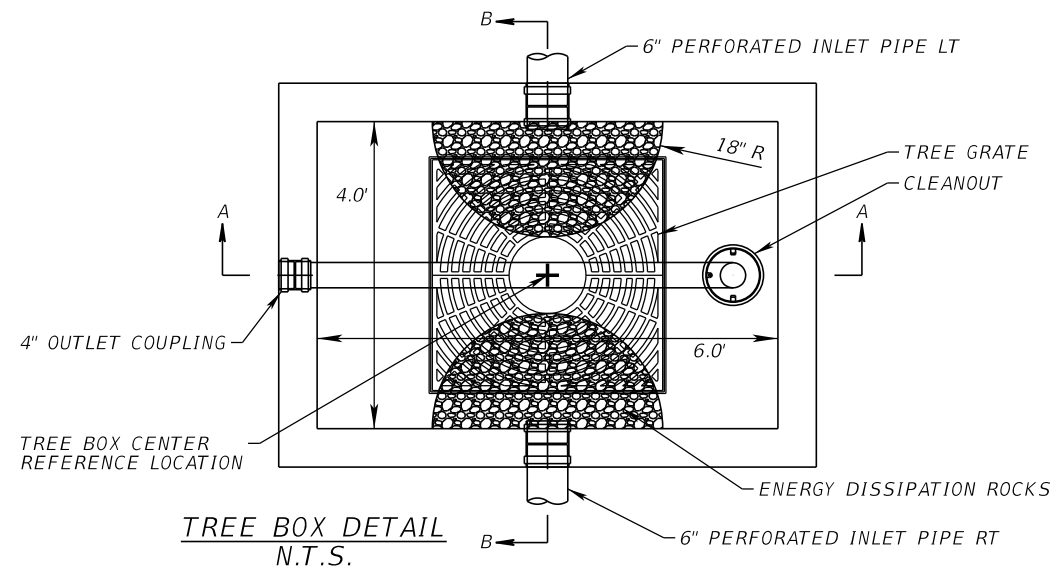
PROJECT NAME:  
**WALNUT STREET IMPROVEMENTS**

REF. DWG. NO.  
 SHEET NO.  
**39**

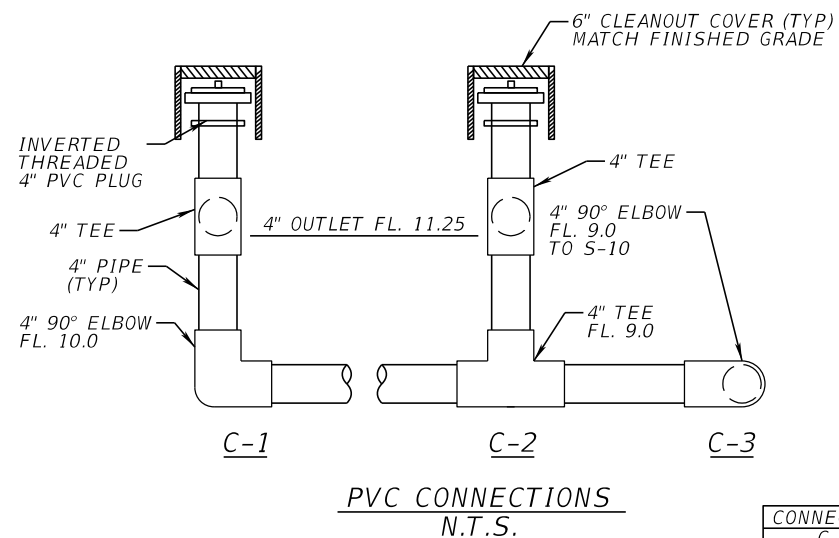
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



INLET	STATION	OFFSET	INLET TOP EL.	LT PIPE LENGTH	RT PIPE LENGTH
TREE BOX 1	19+05.00	213' LT	15.25	8'	10'
TREE BOX 2	19+05.00	147' LT	15.25	10'	10'



- NOTES:
- NO. 57 STONE BASE THICKNESS VARIES WITH DESIGN.
  - NO. 2 STONE MAY BE SUBSTITUTED WITH NO. 3 OR NO. 4 STONE.
  - SUBGRADE SOIL SHALL BE COMPACTED TO A MAXIMUM OF 92% - 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) TO A MINIMUM DEPTH OF 24 INCHES.



CONNECTION	STATION	OFFSET
C-1	19+13.50	213' LT
C-2	19+13.50	142' LT
C-3	19+13.50	132' LT

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
P.E. NO. 77549  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



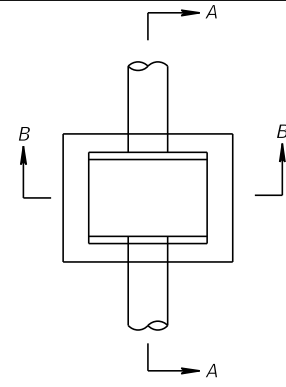
SHEET TITLE:  
**PARKING LOT DRAINAGE DETAIL**

PROJECT NAME:  
**WALNUT STREET IMPROVEMENTS**

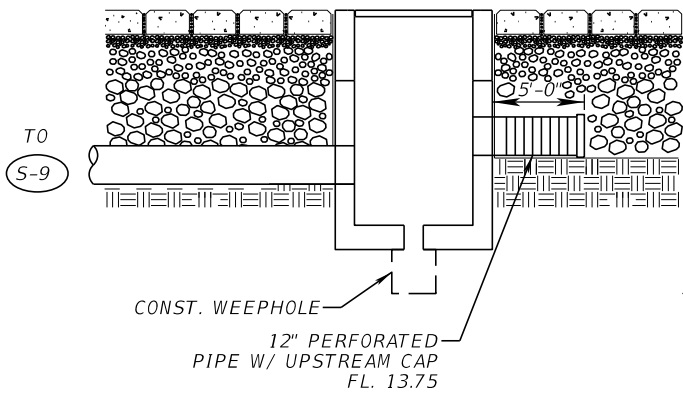
REF. DWG. NO.

SHEET NO.  
**40**

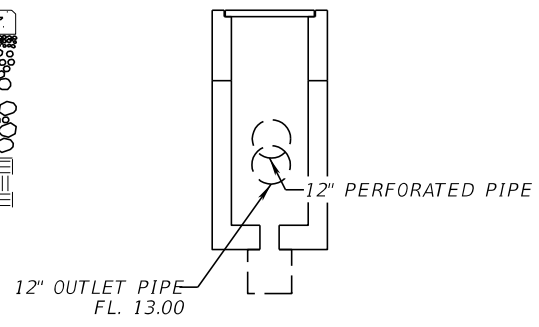




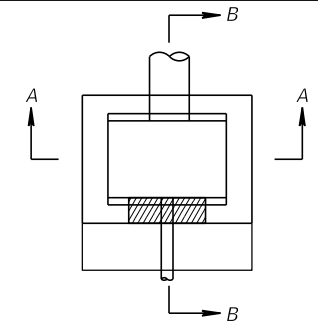
(S-8)  
 STA 18+94.00 (216.00' LT)  
 CONST. DBI TYPE C  
 INDEX NO. 425-001, 425-052  
 GRATE EL. 15.50  
 BOT. EL. 12.00



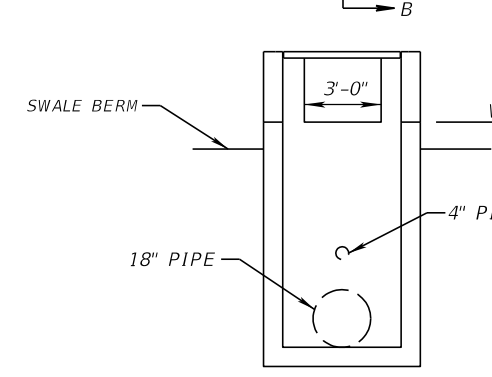
SECTION A-A



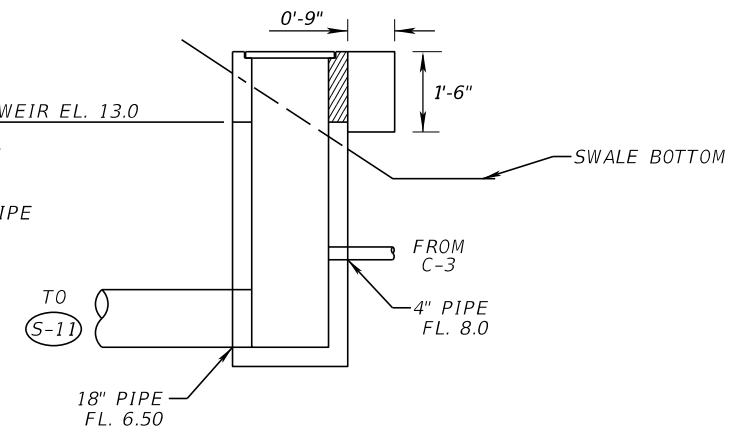
SECTION B-B



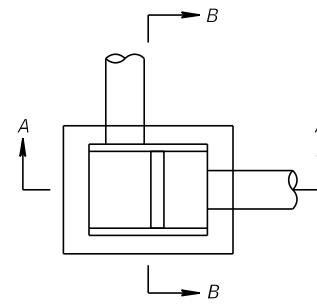
(S-10)  
 STA 20+89.50 (99.00' LT)  
 DBI TYPE C MODIFIED  
 INDEX NO. 425-052, 425-070  
 GRATE EL. 13.75



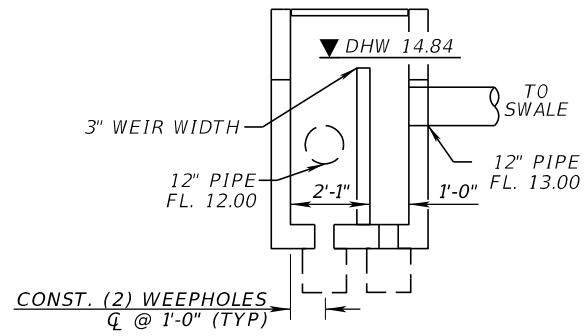
SECTION A-A



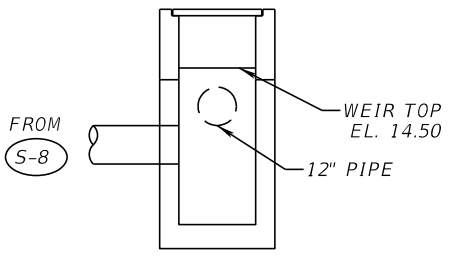
SECTION B-B



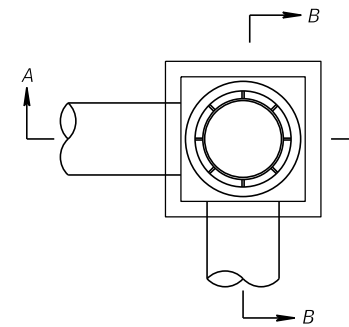
(S-9)  
 STA 18+95.00 (124.50' LT)  
 CONST. DBI TYPE C (MOD.)  
 INDEX NO. 425-001, 425-052  
 GRATE ELEV. 15.50  
 BOT. EL. 11.00



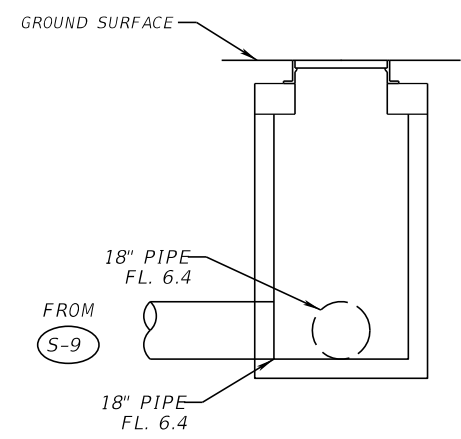
SECTION A-A



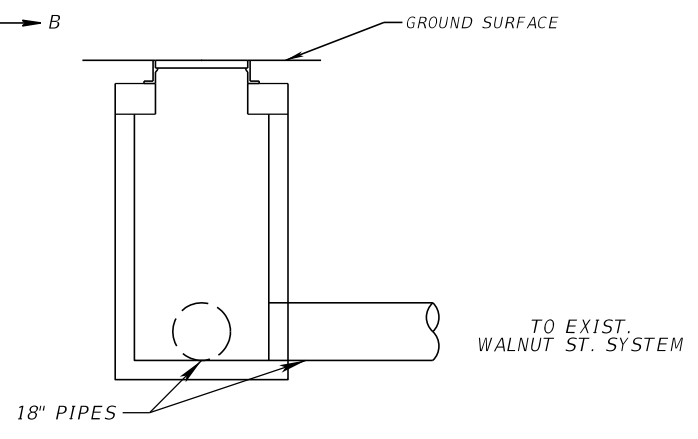
SECTION B-B



(S-11)  
 STA 21+12.75 (99.00' LT)  
 CONST. MH TYPE P-7  
 INDEX NO. 425-001, 425-010  
 RIM EL. 11.50



SECTION A-A



SECTION B-B

STRUCTURE DETAIL  
 N.T.S

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
 P.E. NO. 77549  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

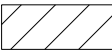




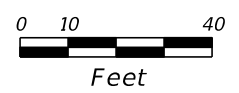
PREPARED FOR  
**CITY OF  
 GREEN COVE SPRINGS**

SHEET TITLE: <b>PARKING LOT DRAINAGE DETAIL</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>41</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

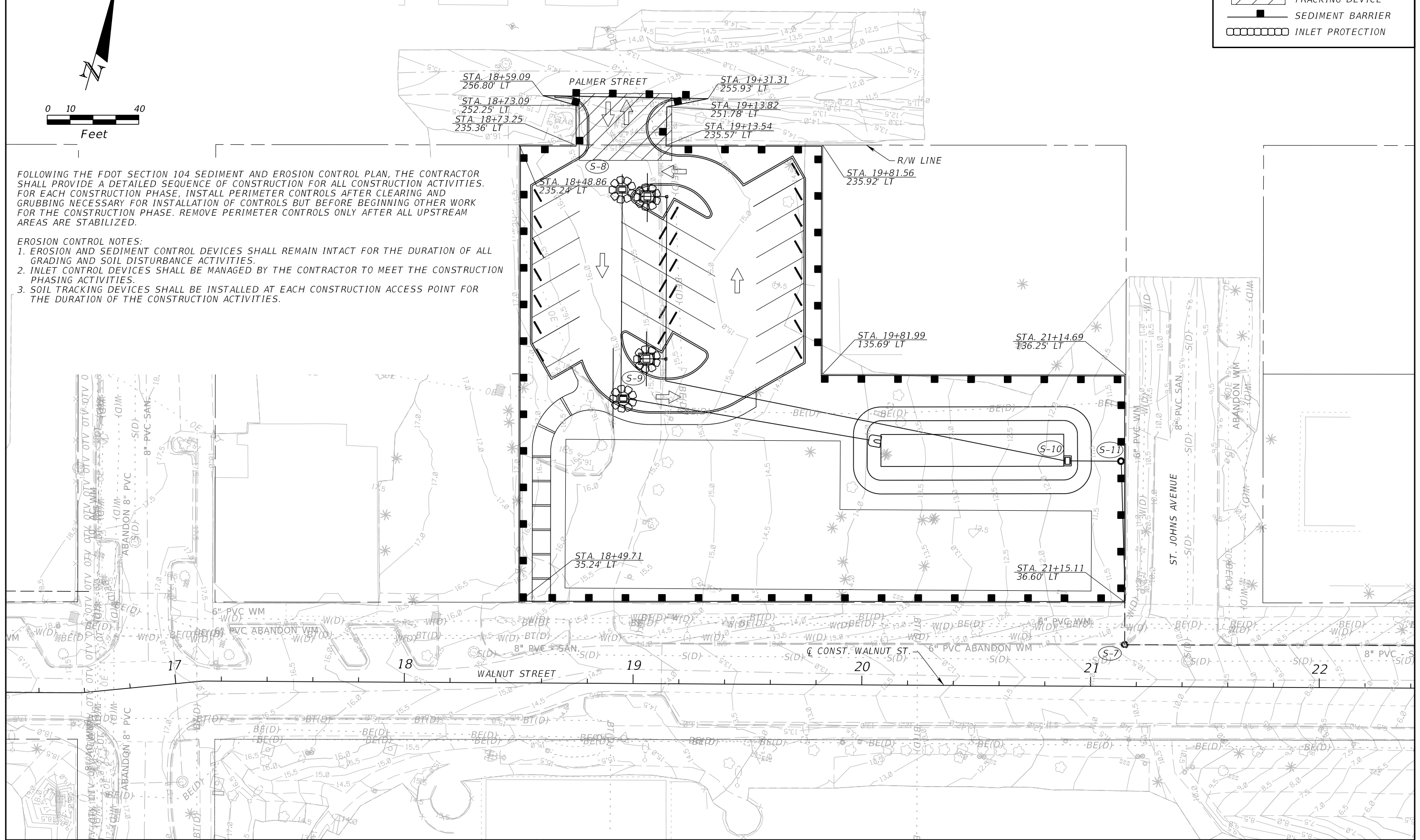
**LEGEND**

-  OFF-SITE SOIL TRACKING DEVICE
-  SEDIMENT BARRIER
-  INLET PROTECTION



FOLLOWING THE FDOT SECTION 104 SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

- EROSION CONTROL NOTES:**
1. EROSION AND SEDIMENT CONTROL DEVICES SHALL REMAIN INTACT FOR THE DURATION OF ALL GRADING AND SOIL DISTURBANCE ACTIVITIES.
  2. INLET CONTROL DEVICES SHALL BE MANAGED BY THE CONTRACTOR TO MEET THE CONSTRUCTION PHASING ACTIVITIES.
  3. SOIL TRACKING DEVICES SHALL BE INSTALLED AT EACH CONSTRUCTION ACCESS POINT FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEVIN M. CANN  
 P.E. NO. 77549  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

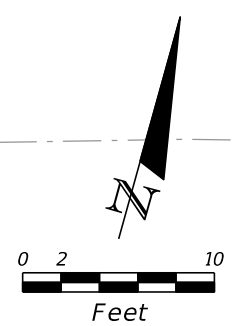


PREPARED FOR

**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE: <b>PARKING LOT EROSION CONTROL PLAN</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO. <b>42</b>

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PALMER ST.

+00.00  
ELEV. 13.54

STA. 100+00.00  
27.71' LT, ELEV. 14.17

STA. 100+00.00  
22.71' LT, ELEV. 14.31

STA. 100+09.89  
12.72' LT, ELEV. 14.74

STA. 100+20.30  
12.55' LT, ELEV. 15.02

STA. 100+26.67  
16.10' LT, ELEV. 15.23

EXIST. R/W

STA. 100+00.00  
31.33' RT, ELEV. 12.97

STA. 100+00.00  
26.33' RT, ELEV. 13.19

STA. 100+03.57  
16.63' RT, ELEV. 13.64

STA. 100+23.69  
19.70' RT, ELEV. 14.70

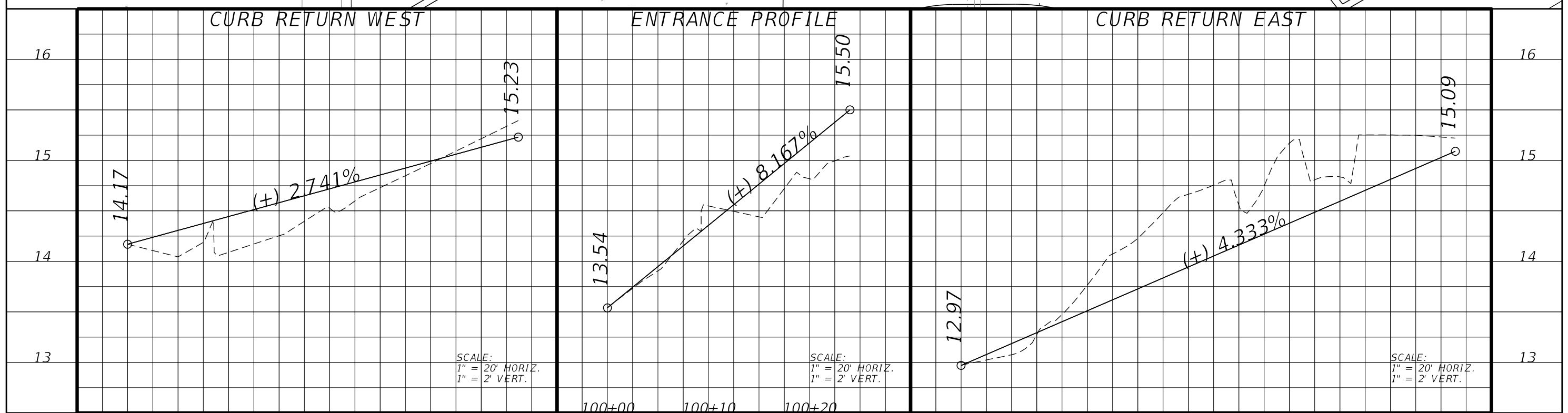
STA. 100+25.31  
28.49' RT, ELEV. 15.09

+24.00  
ELEV. 15.50

CURB RETURN WEST

ENTRANCE PROFILE

CURB RETURN EAST



SCALE:  
1" = 20' HORIZ.  
1" = 2' VERT.

SCALE:  
1" = 20' HORIZ.  
1" = 2' VERT.

SCALE:  
1" = 20' HORIZ.  
1" = 2' VERT.

100+00      100+10      100+20

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

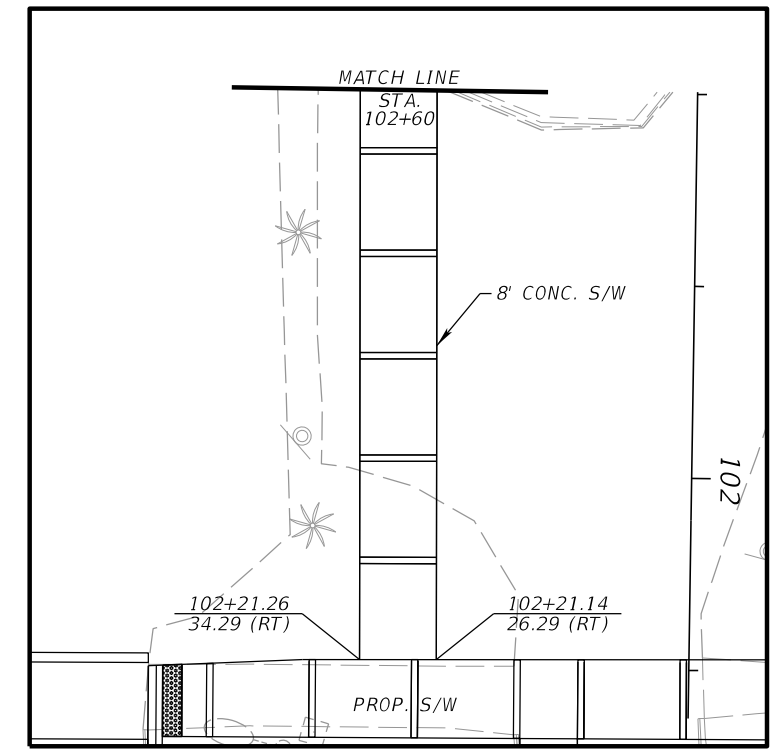
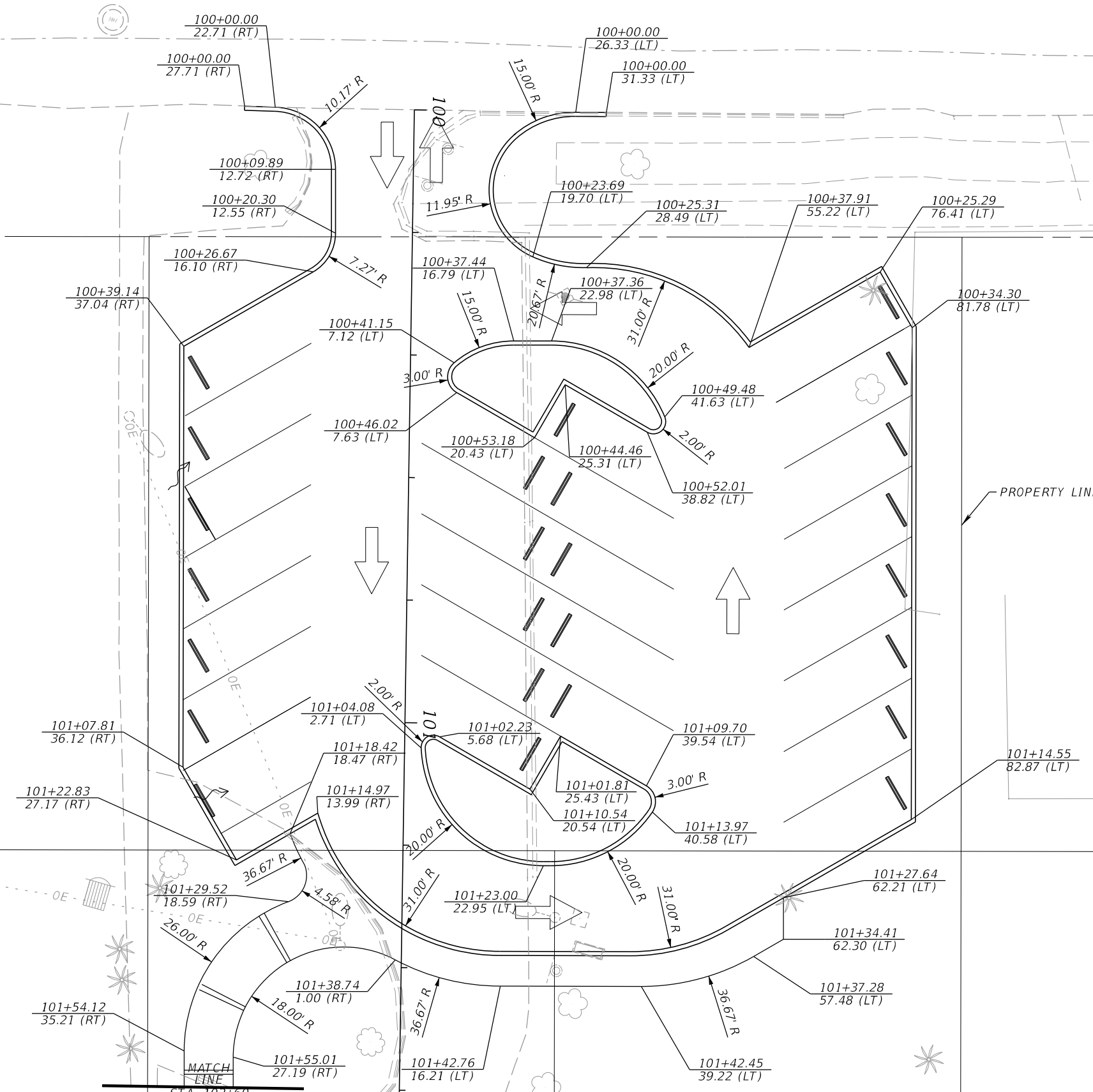
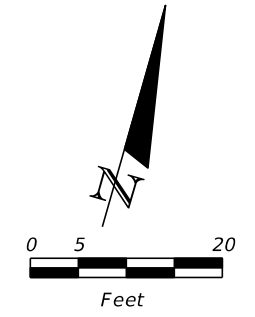
JOHN D. WESTCOTT  
P.E. NO. 88357  
WGI, INC.  
4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
FLEMING ISLAND, FL 32003



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE: <b>PARKING LOT DRIVEWAY DETAIL</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>43</b>


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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

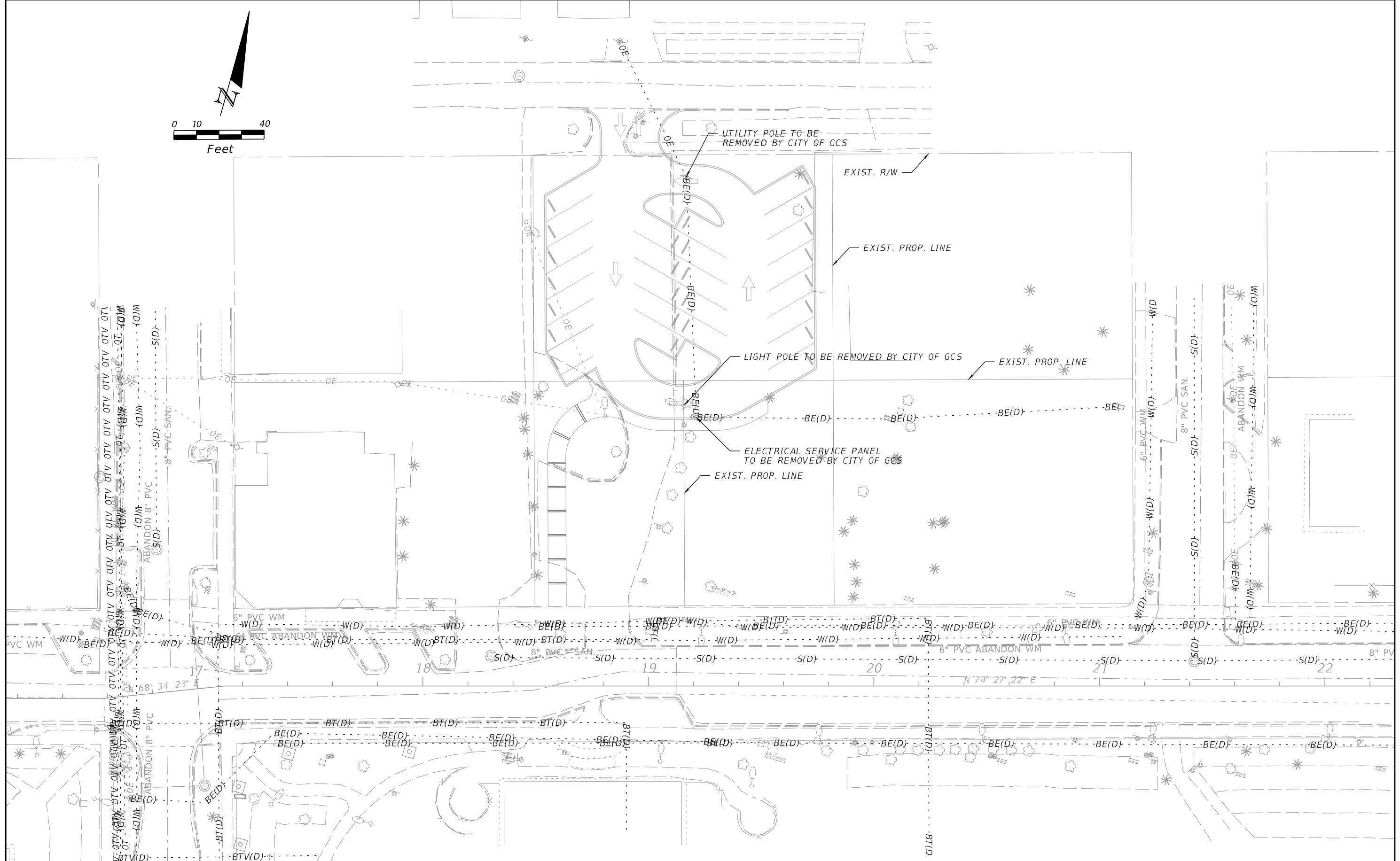
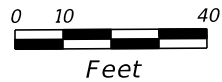
JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**



SHEET TITLE:	<b>PARKING LOT LAYOUT</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO.
		<b>44</b>

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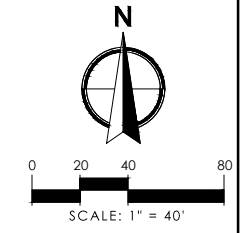
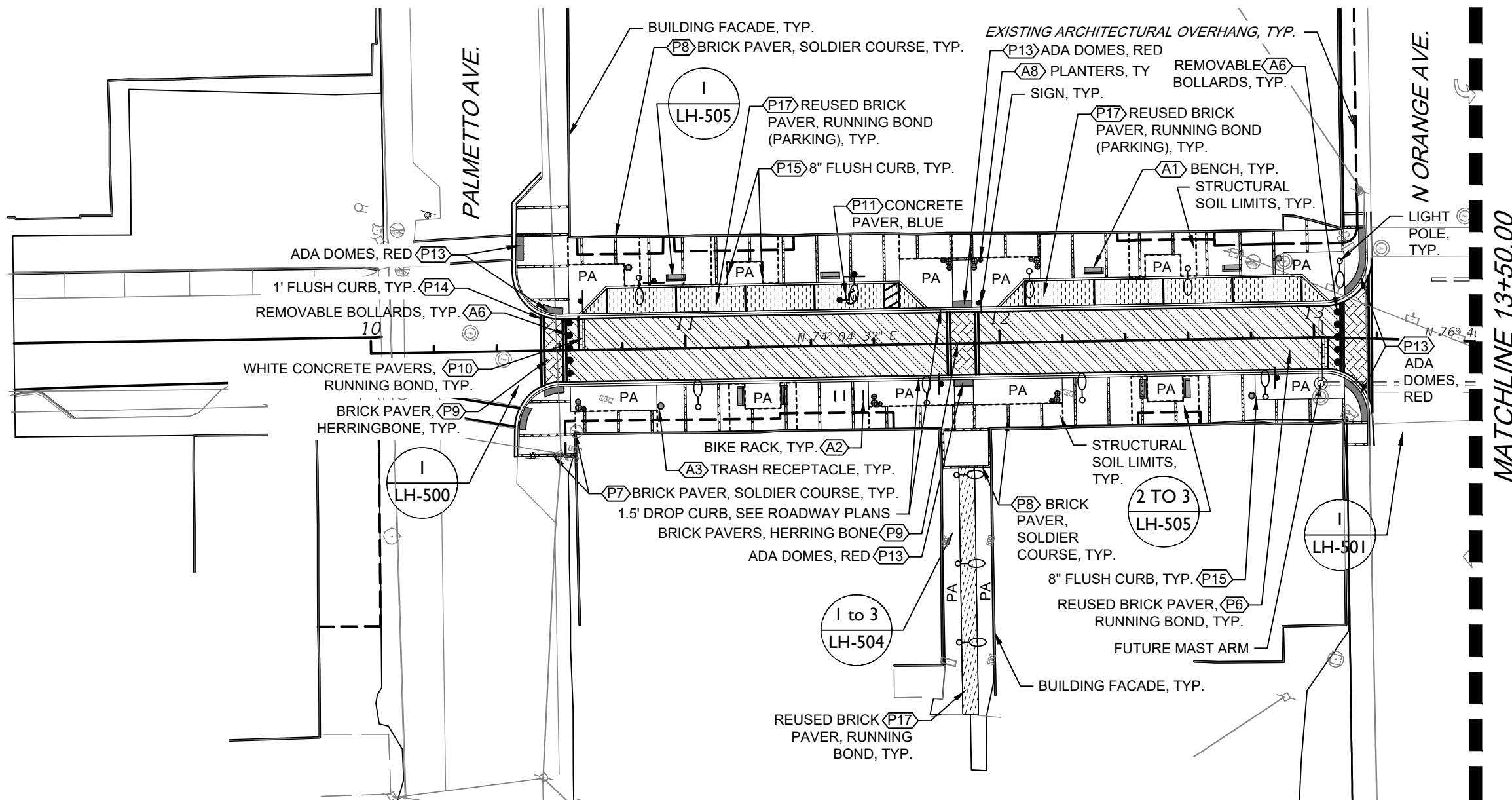
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JOHN D. WESTCOTT  
 P.E. NO. 88357  
 WGI, INC.  
 4371 U.S. HIGHWAY 17 SOUTH, SUITE 203  
 FLEMING ISLAND, FL 32003

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE:	<b>PARKING LOT UTILITY ADJUSTMENT PLAN</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET IMPROVEMENTS</b>	SHEET NO.
		<b>45</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- NOTES:**
1. SEE LH-507 AND HARDSCAPE PLANS FOR STRUCTURAL SOIL LIMITS AND LOCATIONS.
  2. REFER TO ROADWAY PLAN SHEETS FOR DIMENSIONS AND POINTS OF BEGINNING.
  3. SEE ROADWAY AND UTILITY PLANS FOR ALL MANHOLES, DROP INLETS, ELECTRIC HAND HOLE BOXES, AND METER BOXES LOCATIONS.

**MATERIALS LEGEND**

	LIGHT POLE		<b>P9</b> BRICK PAVER, HERRINGBONE		<b>P6</b> REUSED BRICK PAVER, RUNNING BOND (ROADWAY)
	<b>A1</b> BENCH		<b>P3</b> STAMPED ASPHALT, RUNNING BOND		<b>P5</b> STAMPED ASPHALT, HERRINGBONE
	<b>A2</b> BIKE RACK		<b>P8</b> BRICK PAVER, SOLDIER COURSE		<b>P10</b> WHITE CONCRETE PAVER, RUNNING BOND
	<b>A3</b> TRASH RECEPTACLE		<b>P12</b> ADA DOMES		<b>P4</b> WHITE STAMPED ASPHALT, RUNNING BOND
	<b>A5</b> BOLLARDS		<b>P13</b> ADA DOMES, RED		<b>P17</b> REUSED BRICK PAVER, RUNNING BOND (PARKING)
	<b>A6</b> REMOVABLE BOLLARDS		<b>P18</b> PERMEABLE PAVER, HERRINGBONE		
	<b>A8</b> PLANTERS				

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


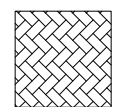
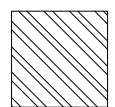

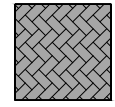
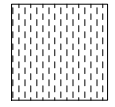

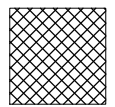
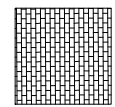

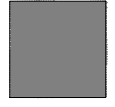
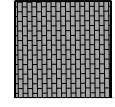




ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



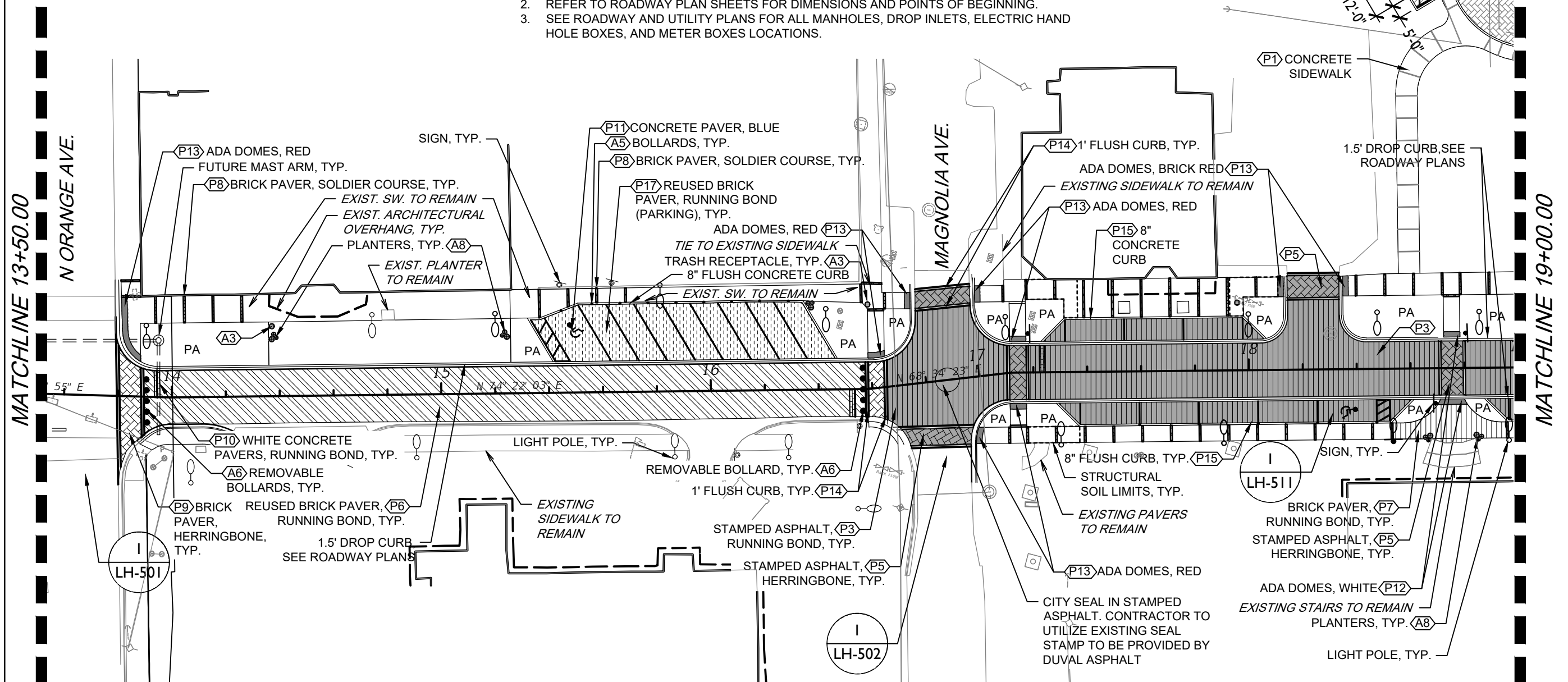
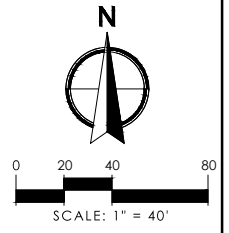
PREPARED FOR	CITY OF GREEN COVE SPRINGS	SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET			SHEET NO.	LH-100


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**MATERIALS LEGEND**

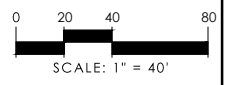
	LIGHT POLE		<b>P9</b> BRICK PAVER, HERRINGBONE		<b>P6</b> REUSED BRICK PAVER, RUNNING BOND (ROADWAY)
	<b>A1</b> BENCH		<b>P5</b> STAMPED ASPHALT, HERRINGBONE		<b>P17</b> REUSED BRICK PAVER, RUNNING BOND (PARKING)
	<b>A2</b> BIKE RACK		<b>P8</b> BRICK PAVER, SOLDIER COURSE		<b>P10</b> WHITE CONCRETE PAVER, RUNNING BOND
	<b>A3</b> TRASH RECEPTACLE		<b>P12</b> ADA DOMES		<b>P4</b> WHITE STAMPED ASPHALT, RUNNING BOND
	<b>A5</b> BOLLARDS		<b>P13</b> REMOVABLE BOLLARDS		
	<b>A6</b> REMOVABLE BOLLARDS				
	<b>A8</b> PLANTERS				

- NOTES:  
 1. SEE LH-507 AND HARDSCAPE PLANS FOR STRUCTURAL SOIL LIMITS AND LOCATIONS.  
 2. REFER TO ROADWAY PLAN SHEETS FOR DIMENSIONS AND POINTS OF BEGINNING.  
 3. SEE ROADWAY AND UTILITY PLANS FOR ALL MANHOLES, DROP INLETS, ELECTRIC HAND HOLE BOXES, AND METER BOXES LOCATIONS.



REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			HARDSCAPE PLANS		
							PROJECT NAME:		SHEET NO.	
							WALNUT STREET		LH-101	

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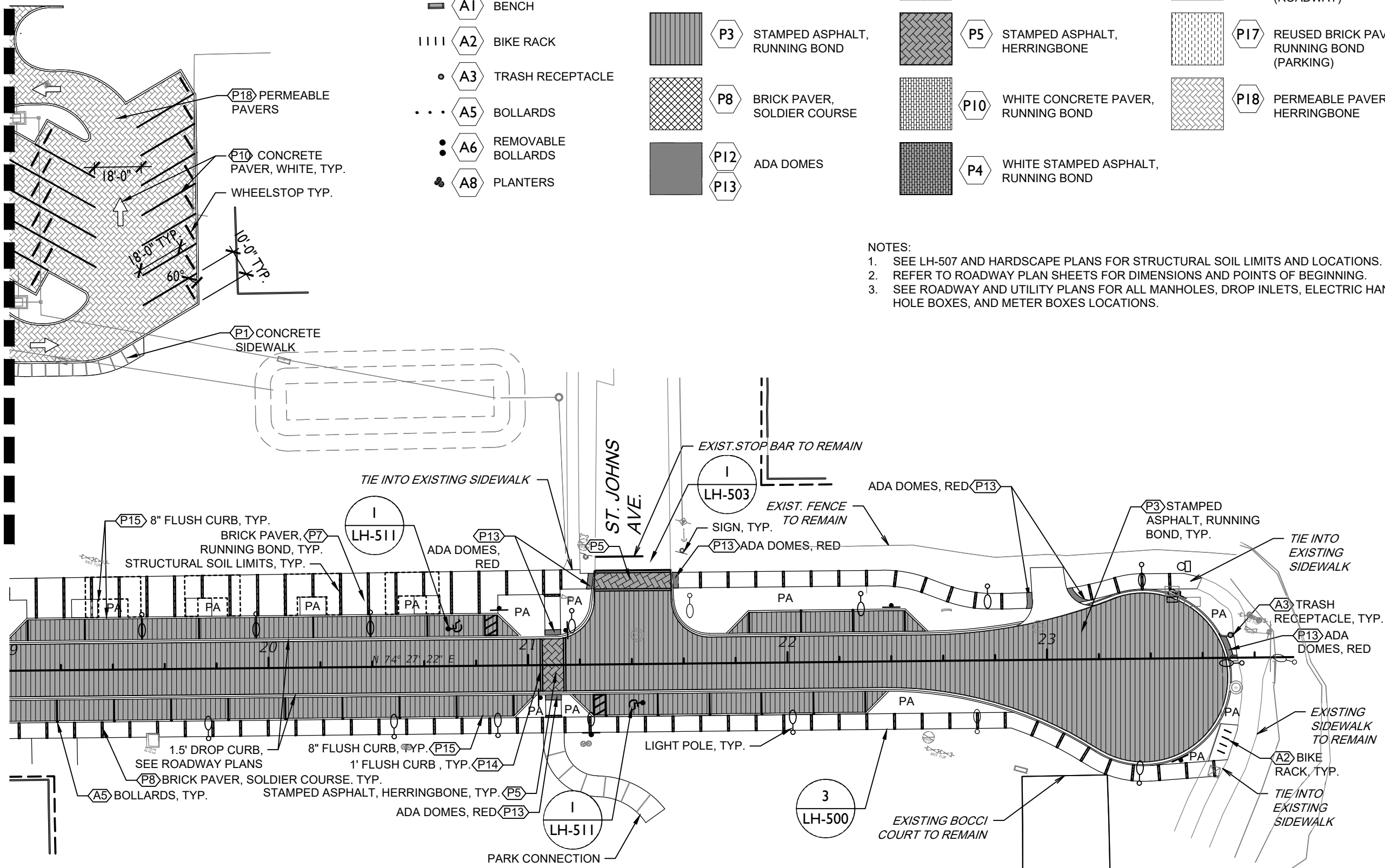


**MATERIALS LEGEND**

- LIGHT POLE
- A1** BENCH
- A2** BIKE RACK
- A3** TRASH RECEPTACLE
- A5** BOLLARDS
- A6** REMOVABLE BOLLARDS
- A8** PLANTERS
- P3** STAMPED ASPHALT, RUNNING BOND
- P8** BRICK PAVER, SOLDIER COURSE
- P12** ADA DOMES
- P13** ADA DOMES
- P9** BRICK PAVER, HERRINGBONE
- P5** STAMPED ASPHALT, HERRINGBONE
- P10** WHITE CONCRETE PAVER, RUNNING BOND
- P4** WHITE STAMPED ASPHALT, RUNNING BOND
- P6** REUSED BRICK PAVER, RUNNING BOND (ROADWAY)
- P17** REUSED BRICK PAVER, RUNNING BOND (PARKING)
- P18** PERMEABLE PAVER, HERRINGBONE

- NOTES:**
- SEE LH-507 AND HARDSCAPE PLANS FOR STRUCTURAL SOIL LIMITS AND LOCATIONS.
  - REFER TO ROADWAY PLAN SHEETS FOR DIMENSIONS AND POINTS OF BEGINNING.
  - SEE ROADWAY AND UTILITY PLANS FOR ALL MANHOLES, DROP INLETS, ELECTRIC HAND HOLE BOXES, AND METER BOXES LOCATIONS.

MATCHLINE 19+00.00



**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411

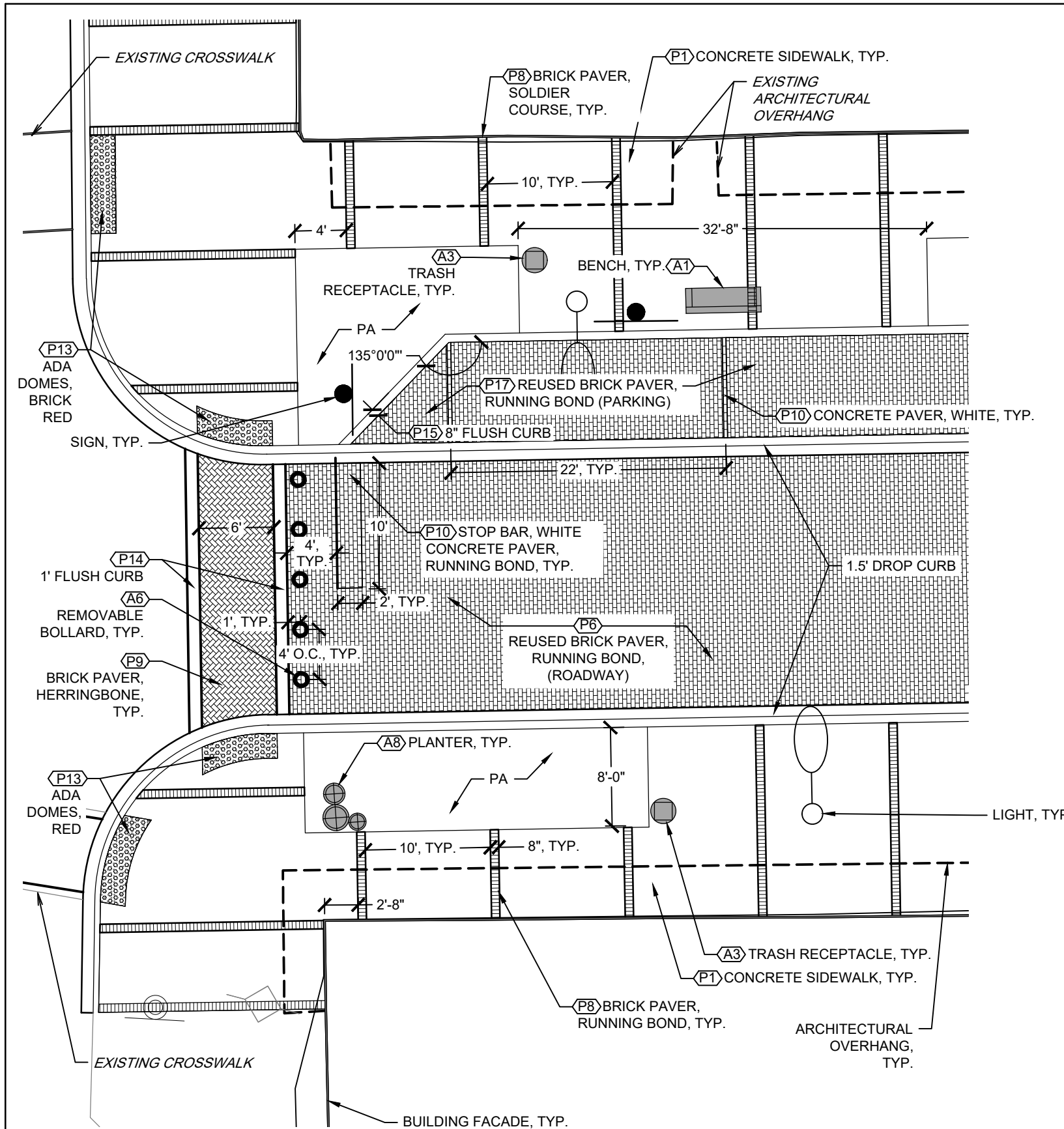


PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE: <b>HARDSCAPE PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LH-102</b>

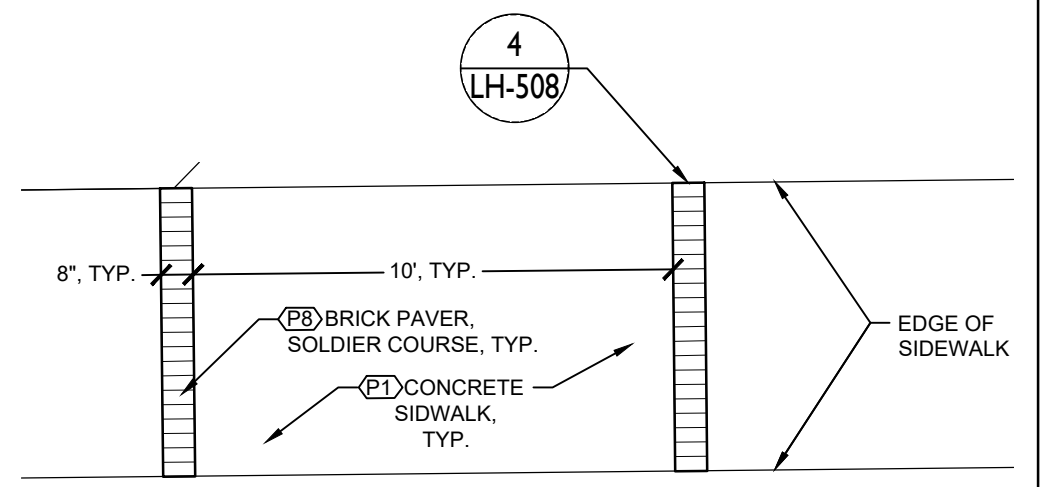
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**1 WALNUT AND PALMETTO INTERSECTION BLOW UP**

SCALE: 1"=10'-0"



**2 TYPICAL BRICK PAVER SOLDIER COURSE STRIPS**

SCALE: 1/4"=1'-0"

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

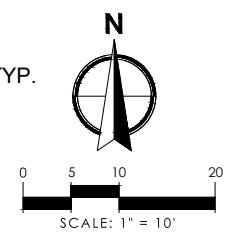
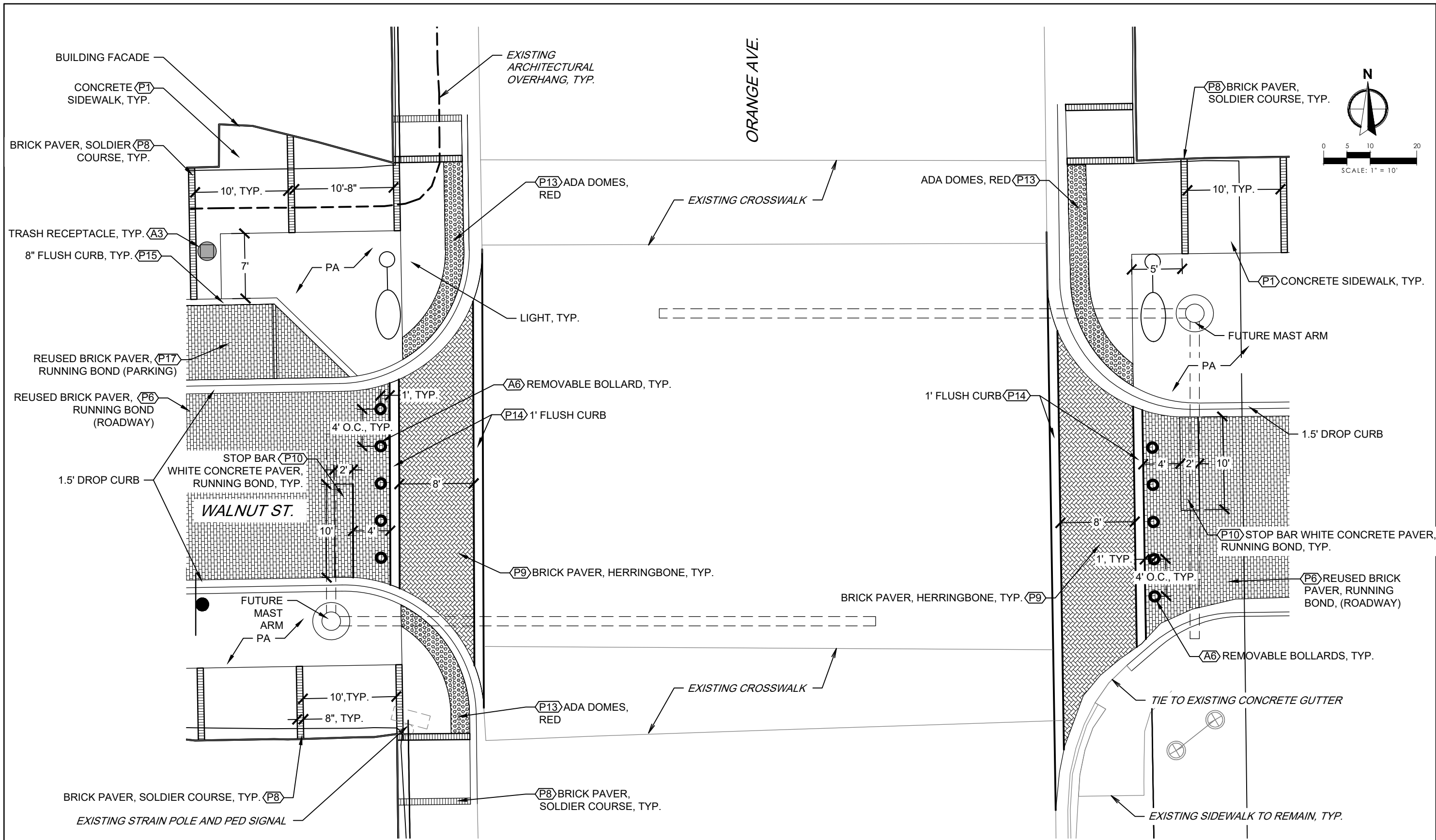
ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	LH-500

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**1 WALNUT AND ORANGE INTERSECTION BLOW UP**

SCALE: 1"=10'-0"

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

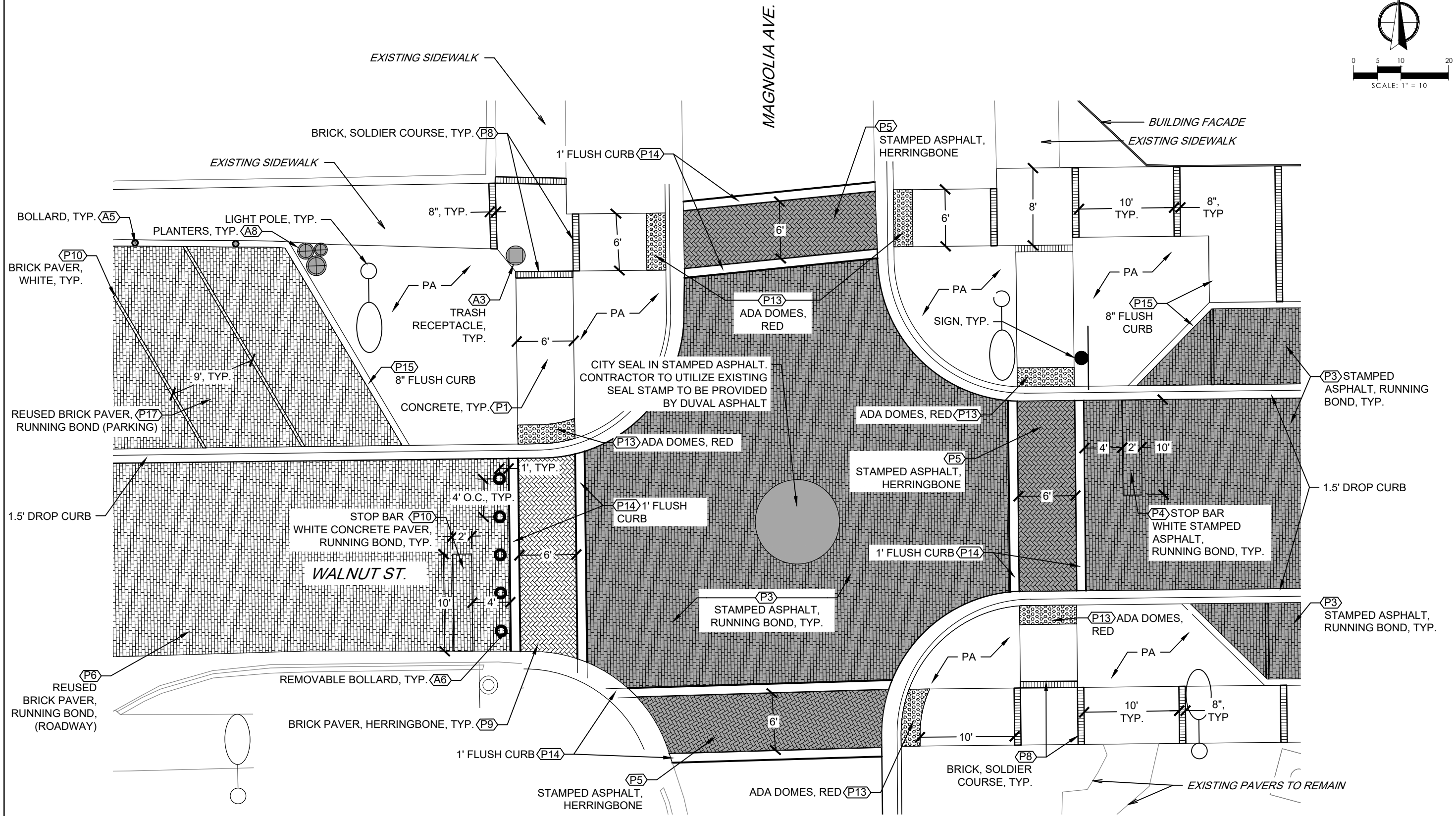
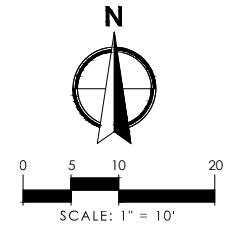
ANGELA BIAGI  
 L.A. NO. 6666787  
 WGI, INC.  
 2035 VISTA PARKWAY  
 WEST PALM BEACH, FL 33411



PREPARED FOR  
 CITY OF  
 GREEN COVE SPRINGS


SHEET TITLE: <b>HARDSCAPE PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LH-501</b>

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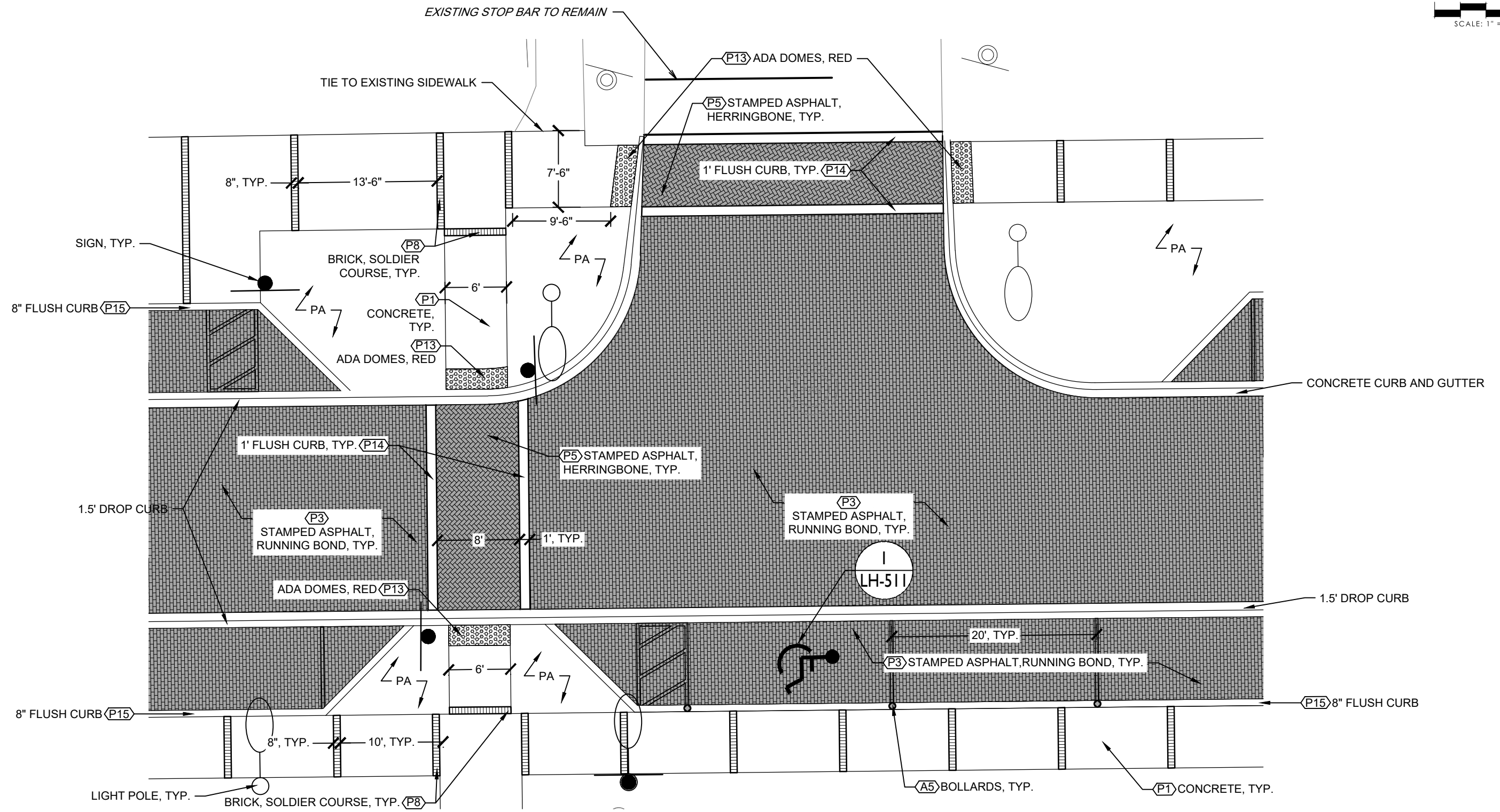
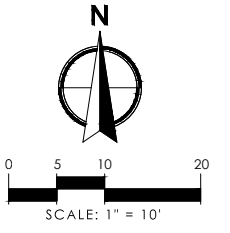


**1 WALNUT AND MAGNOLIA INTERSECTION BLOW UP**

SCALE: 1"=10'-0"


REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			HARDSCAPE PLANS	
							PROJECT NAME:		
							WALNUT STREET	LH-502	

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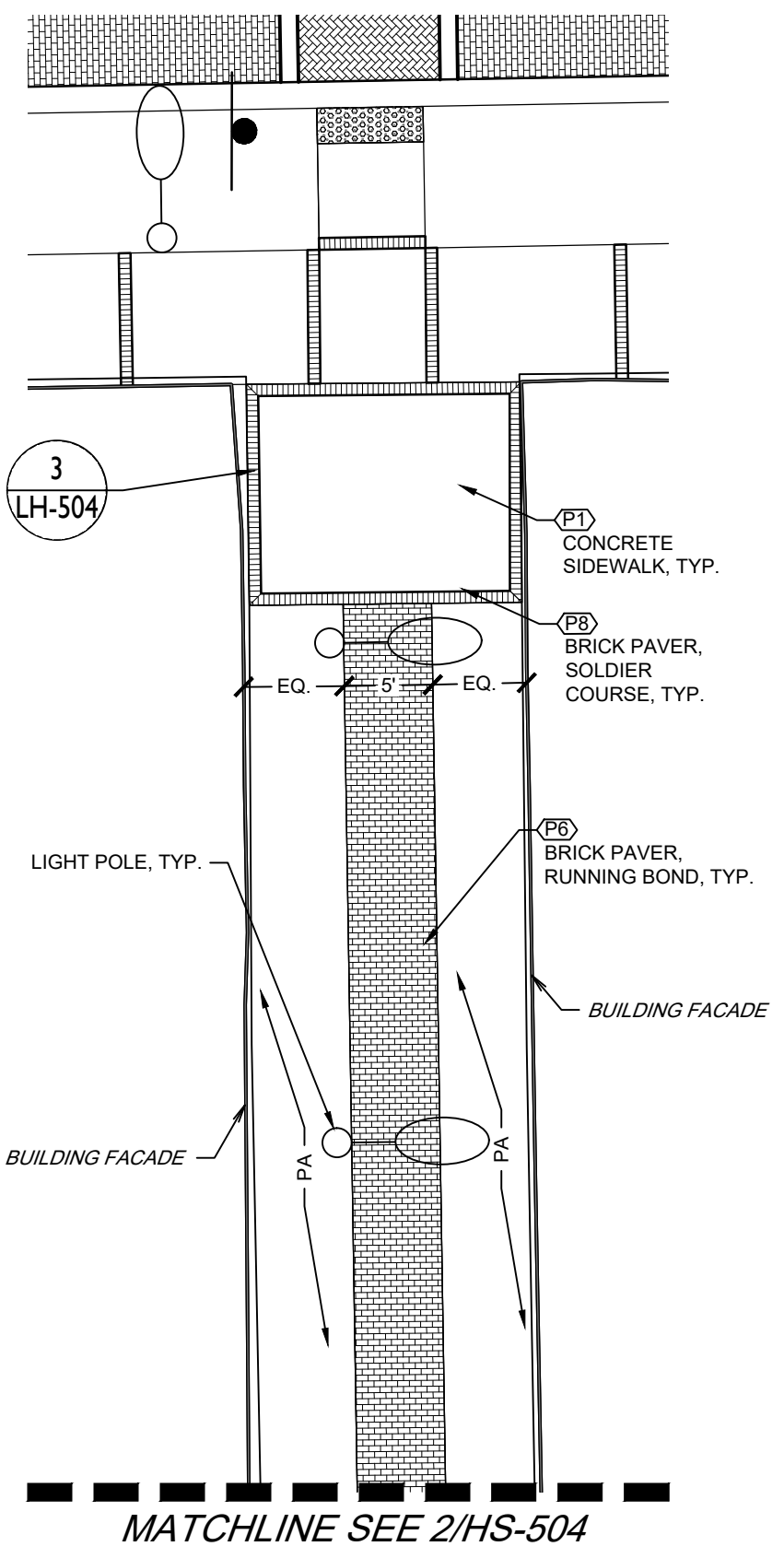


**1 WALNUT AND ST. JOHN'S INTERSECTION BLOW UP**

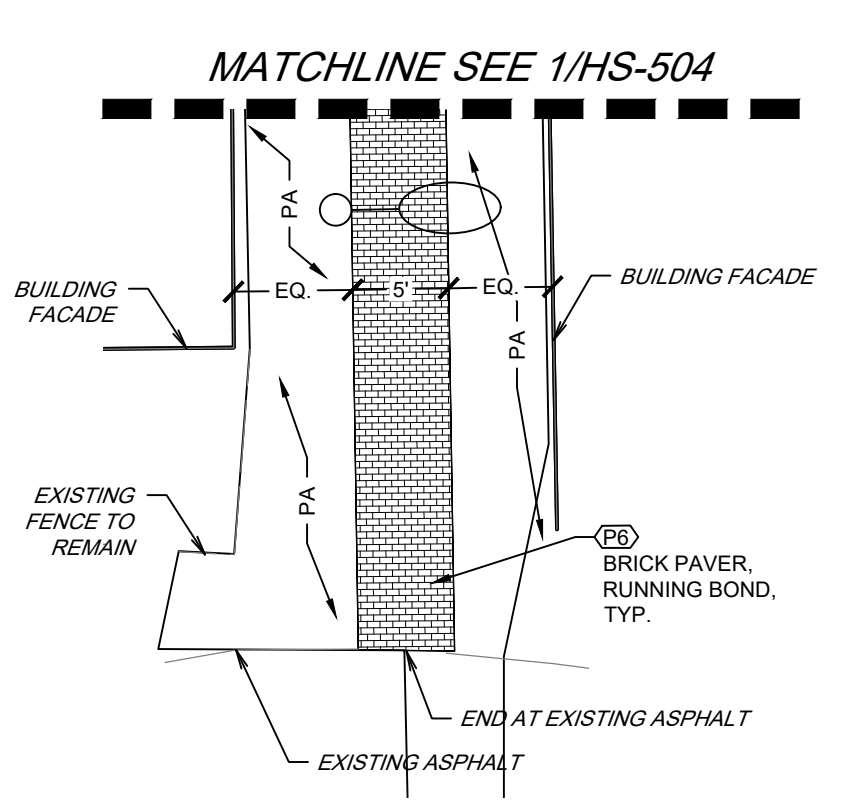
SCALE: 1"=10'-0"

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			HARDSCAPE PLANS		
							PROJECT NAME:		SHEET NO.	
							WALNUT STREET		LH-503	

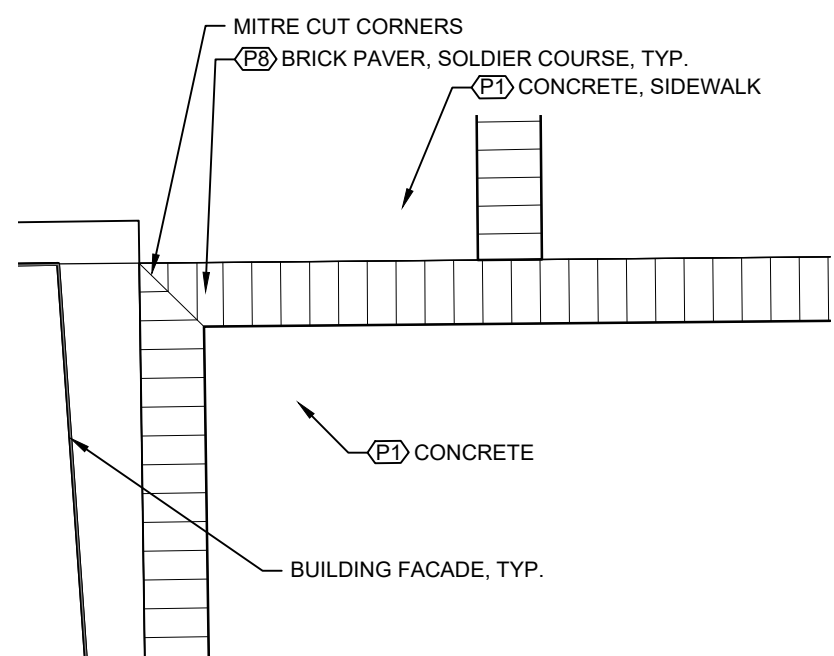
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**1 ALLEY BLOW UP PLAN- NORTH**  
SCALE: 1"=10'-0"

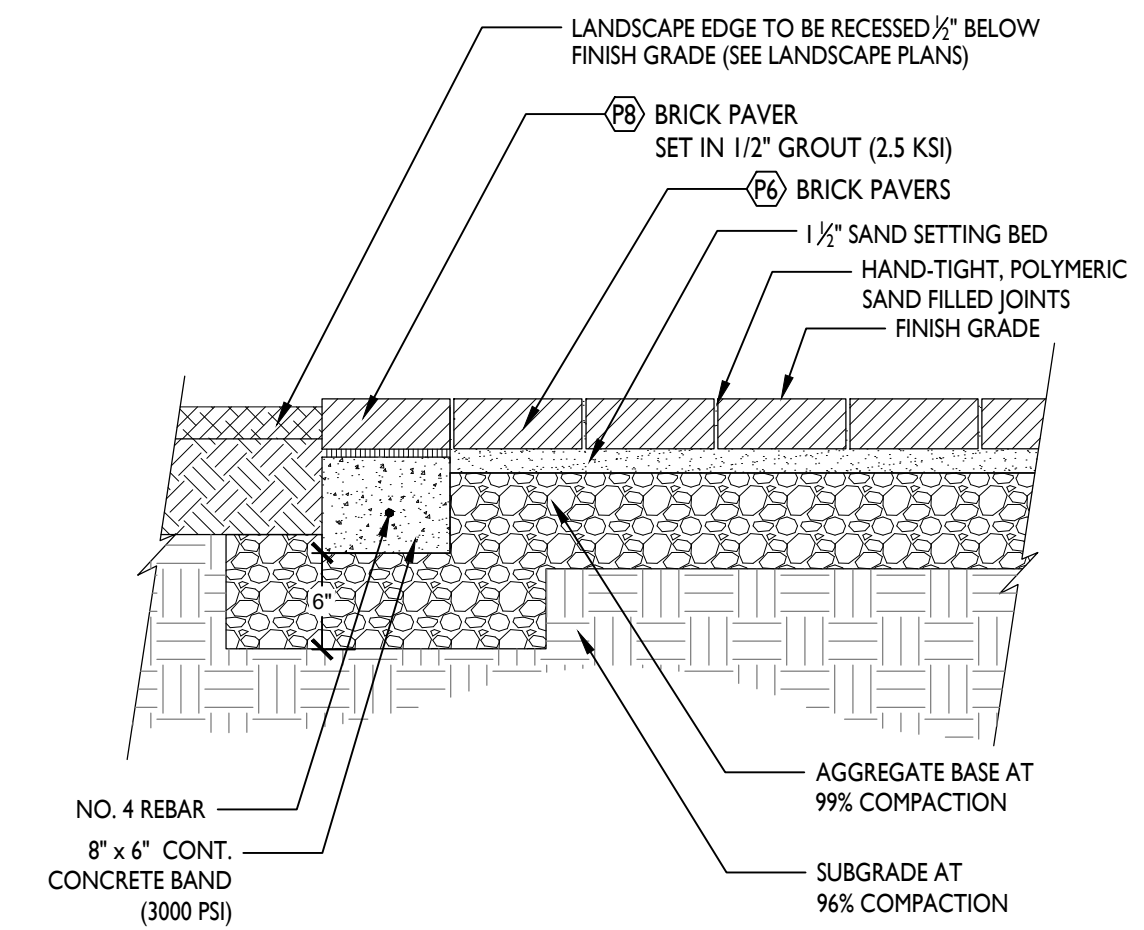


**2 ALLEY BLOW UP PLAN- SOUTH**  
SCALE: 1"=10'-0"



**3 TYPICAL CORNER ALLEY PLAZA DETAIL**  
SCALE: 1/2"=1'-0"

- NOTES:  
 1. REBAR SHALL NOT COME WITHIN 3" OF THE EDGE OF CONCRETE.  
 2. PLACE 1/2" EXPANSION JOINTS IN THE CONCRETE BAND AT 15' O.C. OR AS REQUIRED



**4 PAVERS ADJACENT TO PLANTING AREA TYPICAL DETAIL**  
SCALE: 1"=1'-0"

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

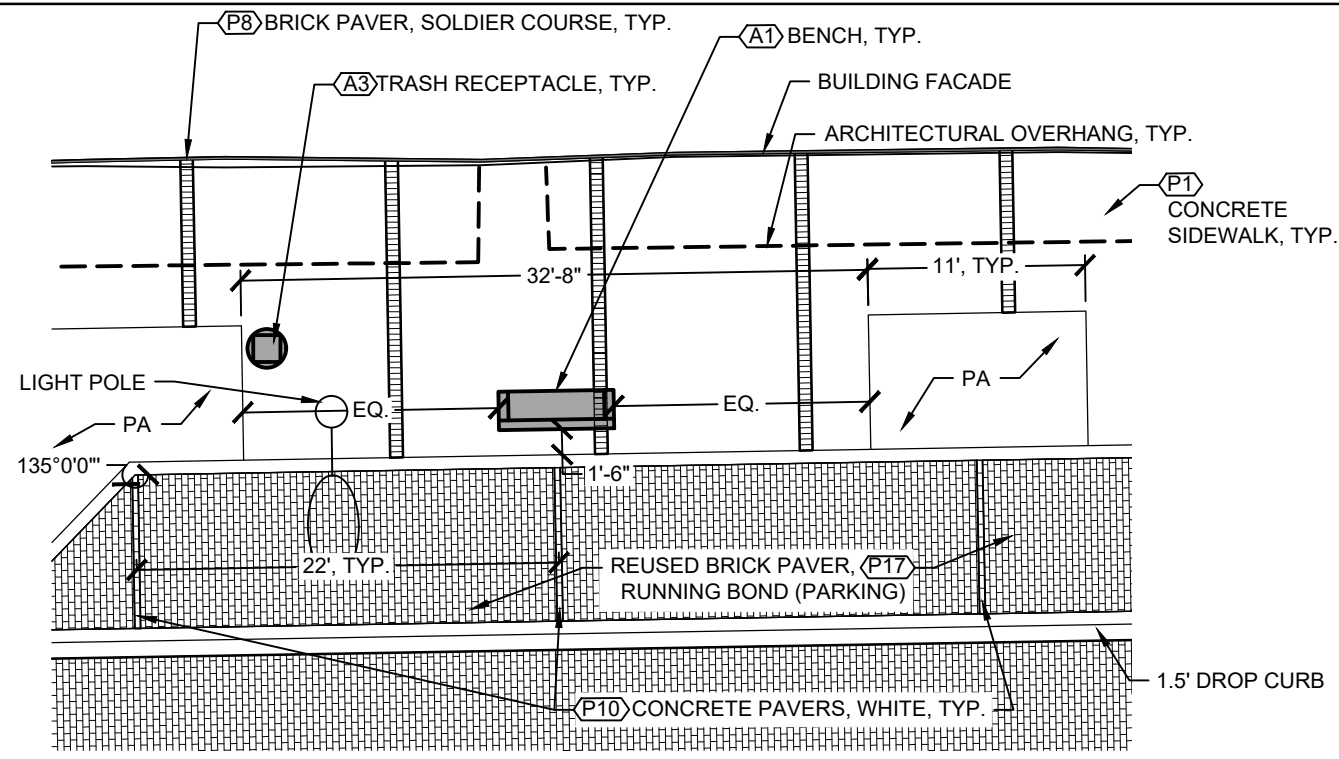
ANGELA BIAGI  
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 2035 VISTA PARKWAY  
 WEST PALM BEACH, FL 33411



PREPARED FOR  
 CITY OF  
 GREEN COVE SPRINGS

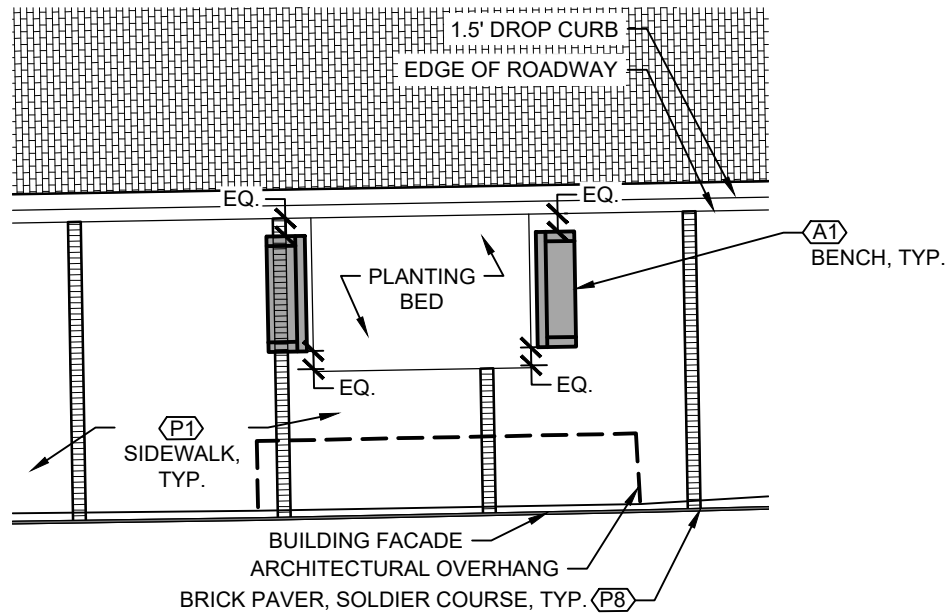
SHEET TITLE: <b>HARDSCAPE PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LH-504</b>

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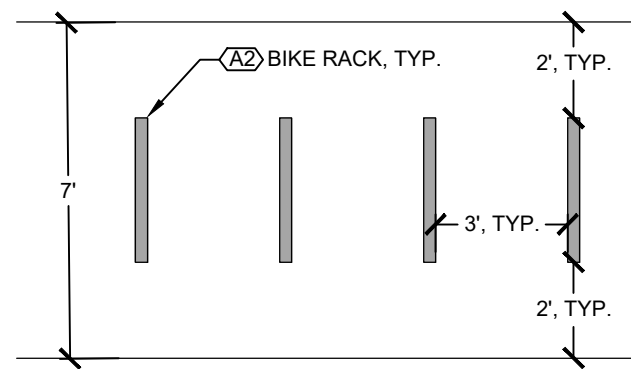
**1 NORTH SIDE OF WALNUT AMENITY AREA**

SCALE: 1"=10'-0"



**2 SOUTH SIDE OF WALNUT AMENITY AREA**

SCALE: 1"=10'-0"



**3 TYPICAL BIKE RACK SPACING**

SCALE: 1/4"=1'-0"

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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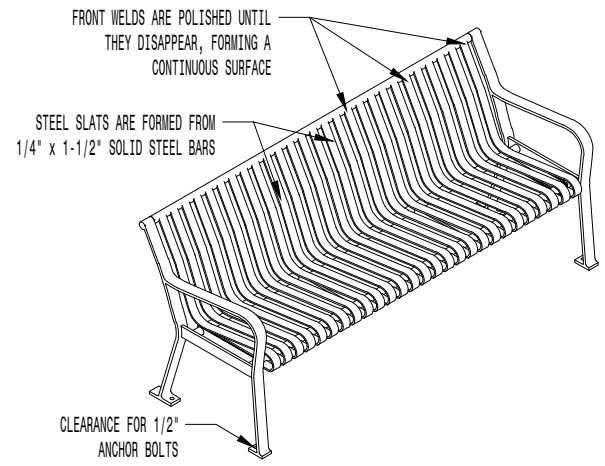
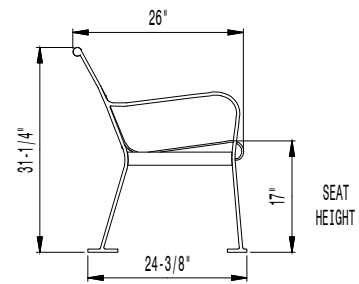
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GREEN COVE SPRINGS

SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	LH-505

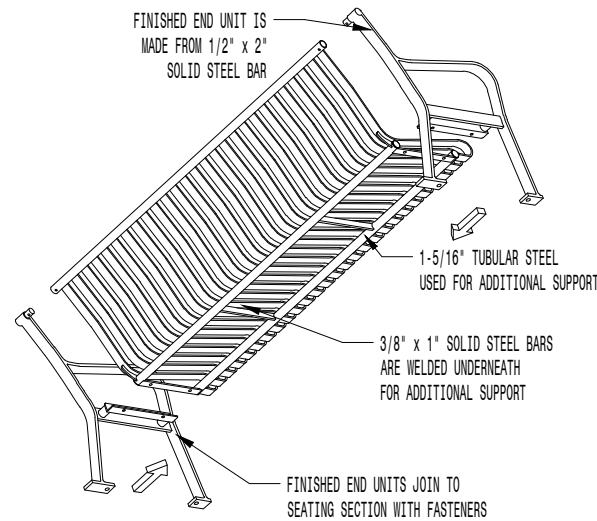
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\* ALL DIMENSIONS ARE IN INCHES \*

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 TOLL FREE: (800) 368-2573 (USA & CANADA)  
 TEL (301) 855-8300 - FAX (410) 257-7579  
 WEB SITE: HTTP://WWW.VICTORSTANLEY.COM



NOTE:  
1. TO BE SURFACE MOUNTED.



AVAILABLE OPTIONS

- POWDER COATING  
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,  
CUSTOM COLORS (INCLUDING THE RAL RANGE)
- INTERMEDIATE & CENTER ARMRESTS  
4', 6', & 8' AVAILABLE WITH OPTIONAL SOLID STEEL ARMRESTS

- LENGTHS
- STANDARD 4'
  - STANDARD 6' (AS SHOWN)
  - STANDARD 8'

NOTES:

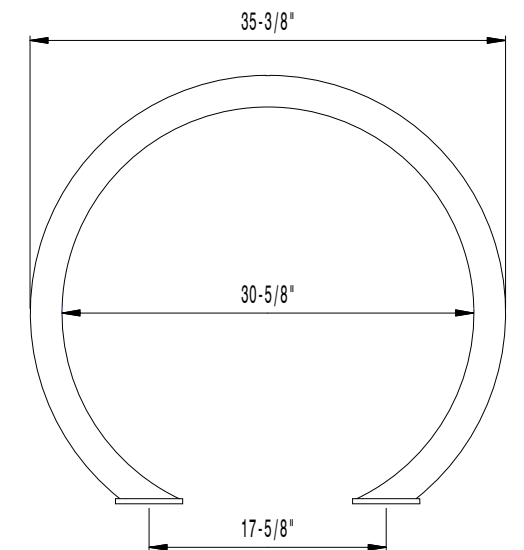
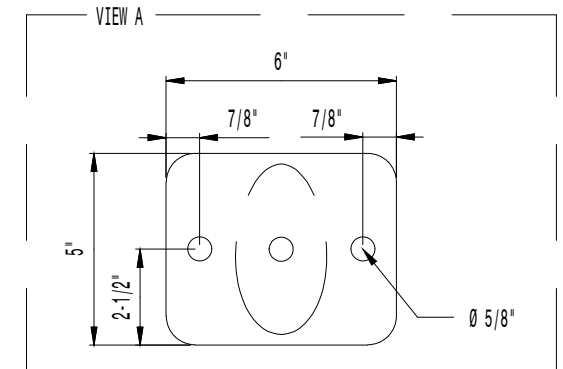
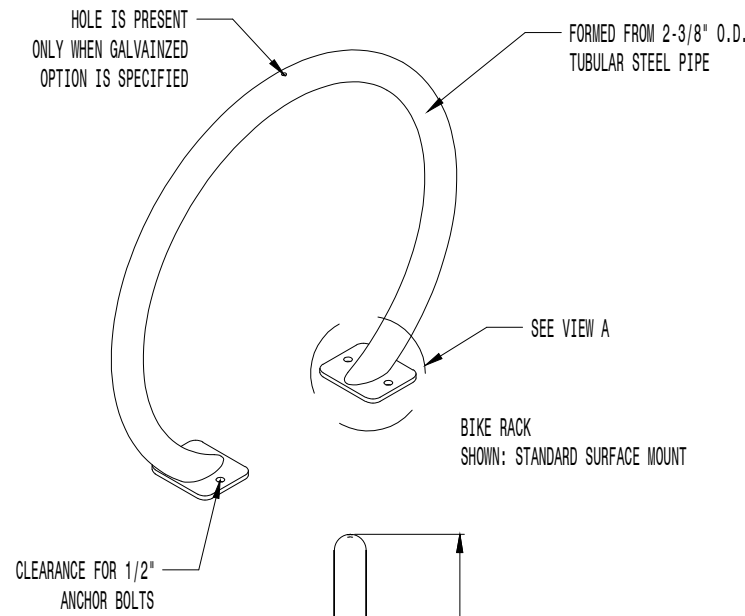
- DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
- IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
- ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
- FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
- THIS PRODUCT IS SHIPPED PARITALLY UNASSEMBLED.

ALL STEEL CONTOURED BENCH  
SHOWN: STANDARD 6-FOOT LENGTH

Create a timeless moment.™

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MOUNTING  
STANDARD IN-GROUND AND SURFACE (AS SHOWN)

AVAILABLE OPTIONS:

- POWDER COATING  
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,  
CUSTOM COLORS (INCLUDING THE RAL RANGE)

NOTES:

- DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
- IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BIKE RACK IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
- ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
- FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
- THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

**1 BENCH**

STEELSITES RB (RB-28)

NOT TO SCALE

**2 BIKE RACK**

CYCLE SENTRY (BRHS-101)

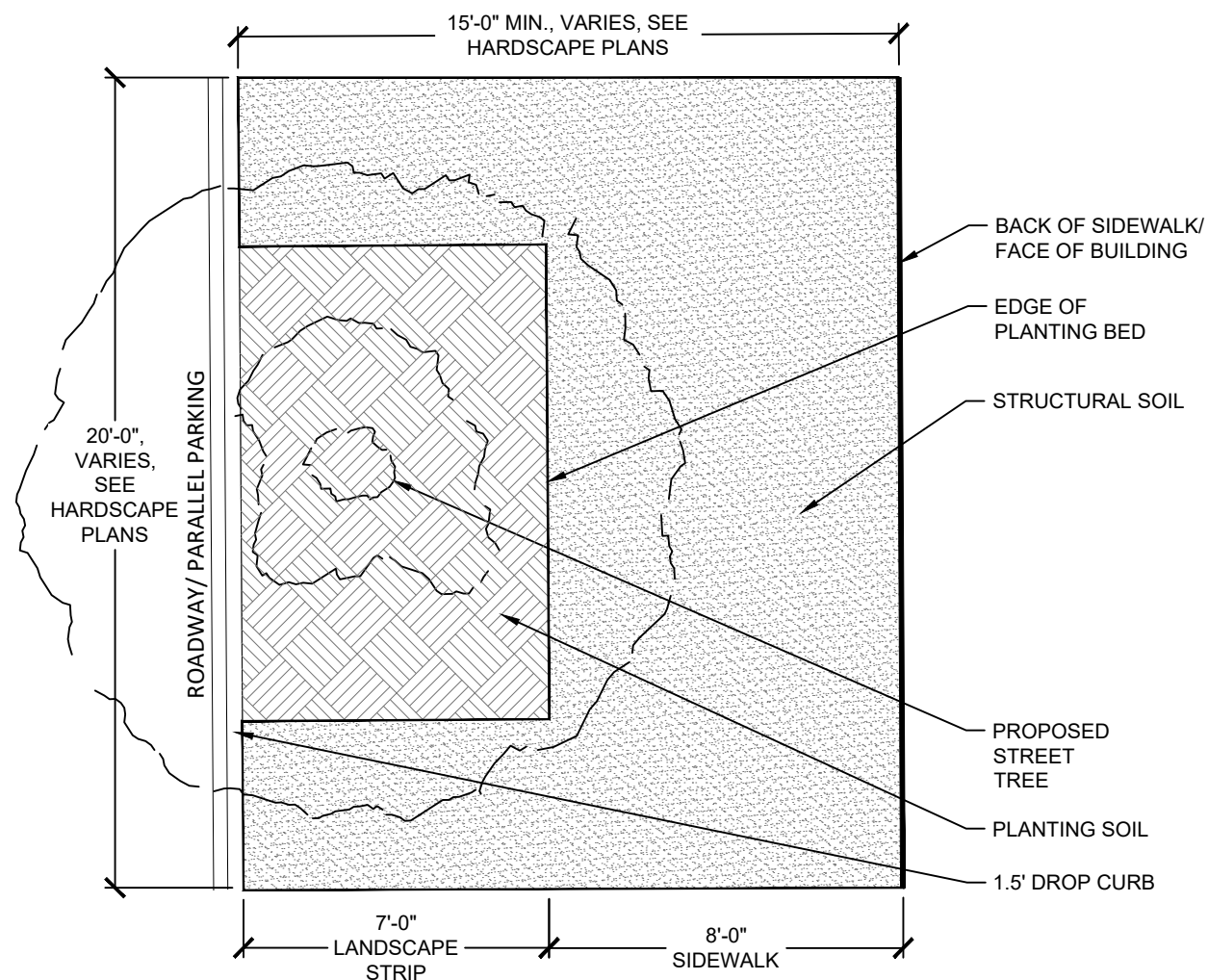
NOT TO SCALE

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	CITY OF GREEN COVE SPRINGS	PROJECT NAME: WALNUT STREET	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
								SHEET NO. LH-506	

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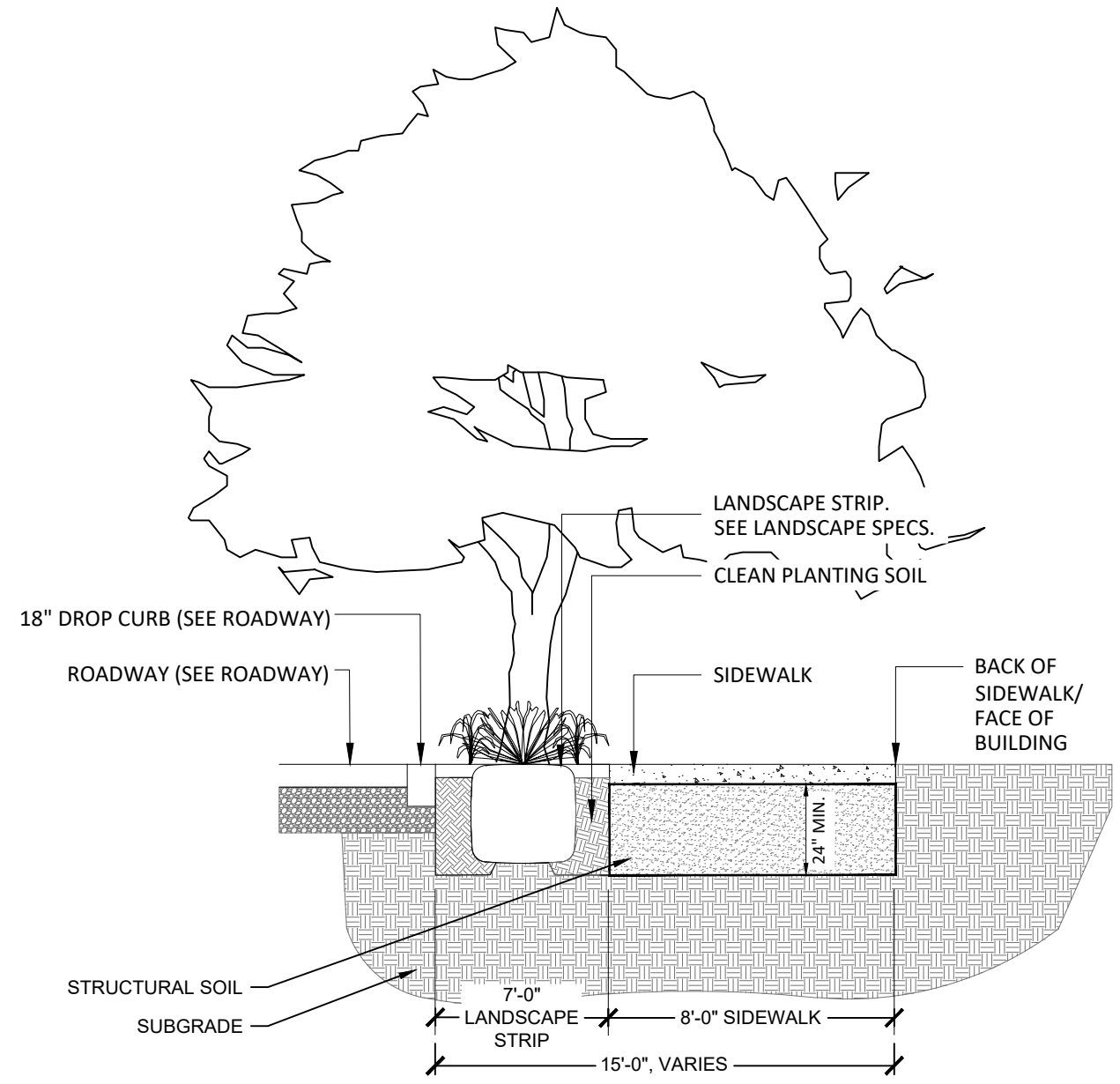
NOTES:

1. STRUCTURAL SOIL LAYOUT VARIES PER TREE AND SITE CONDITIONS. SEE HARDSCAPE PLANS FOR LOCATIONS AND LIMITS.



**1 STRUCTURAL SOIL PLAN**

NOT TO SCALE



**2 STRUCTURAL SOIL SECTION**

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

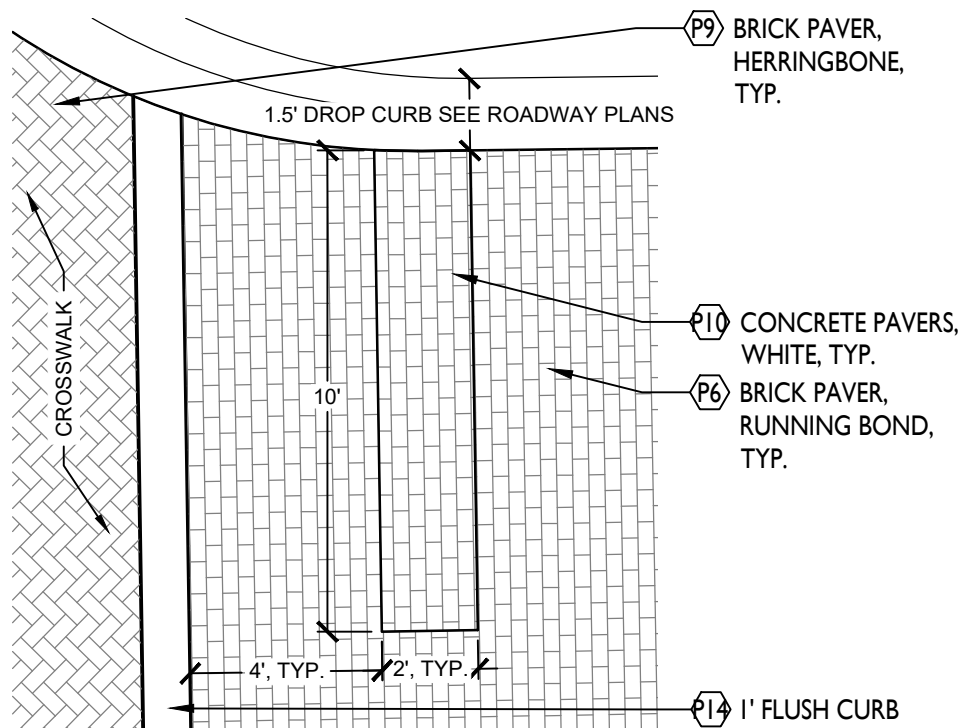
ANGELA BIAGI  
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WGI, INC.  
2035 VISTA PARKWAY  
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CITY OF  
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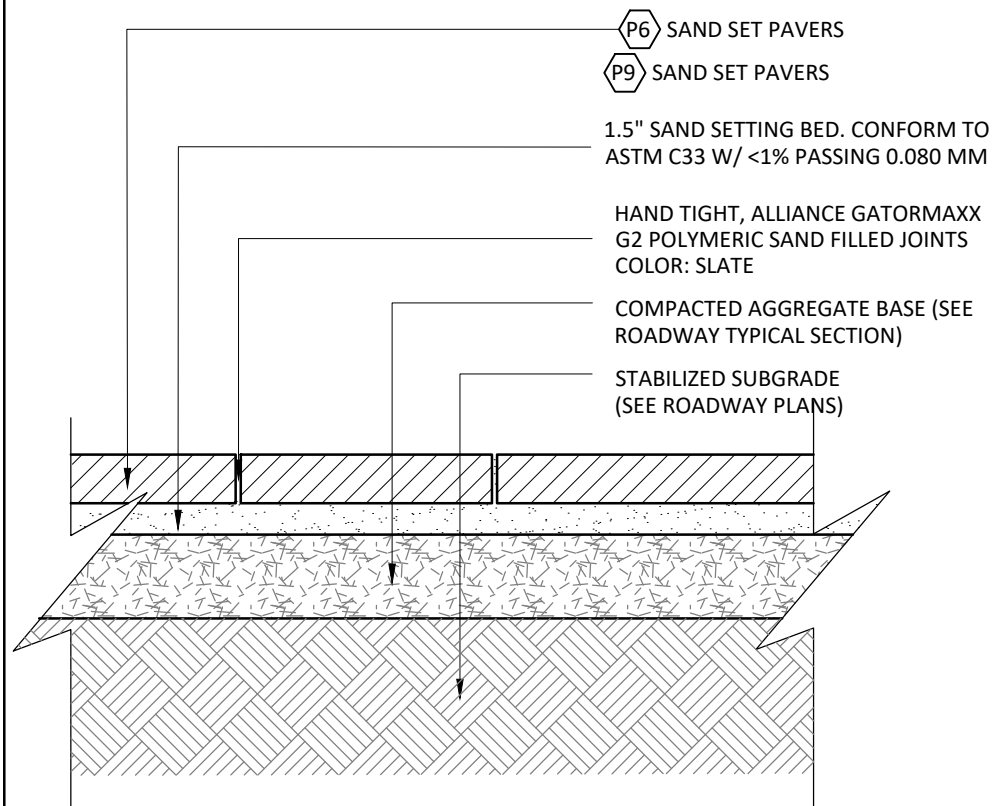
SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	LH-507





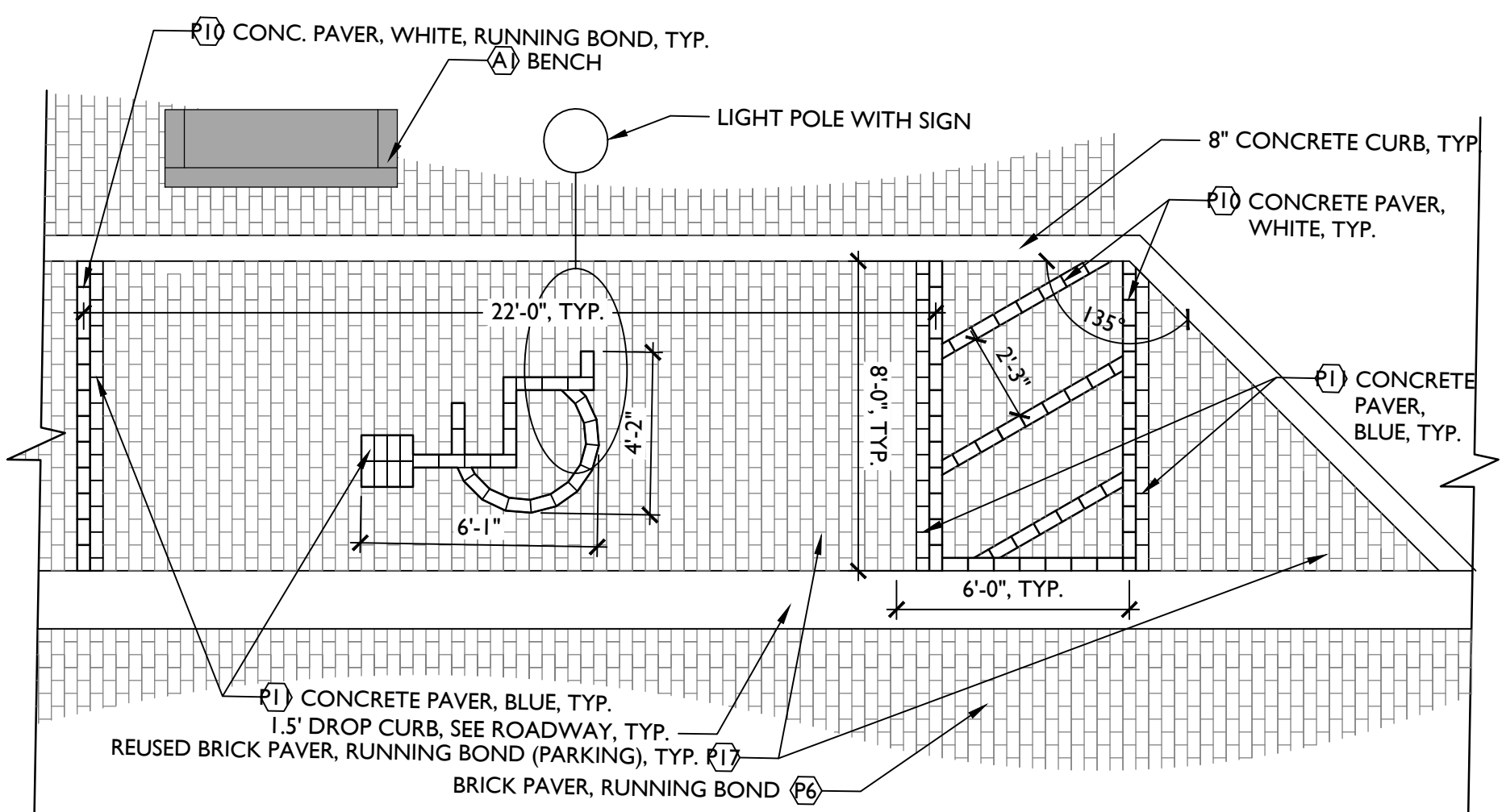
1 TYPICAL STOP BAR BLOW UP PLAN

SCALE: 1/4"=1'-0"



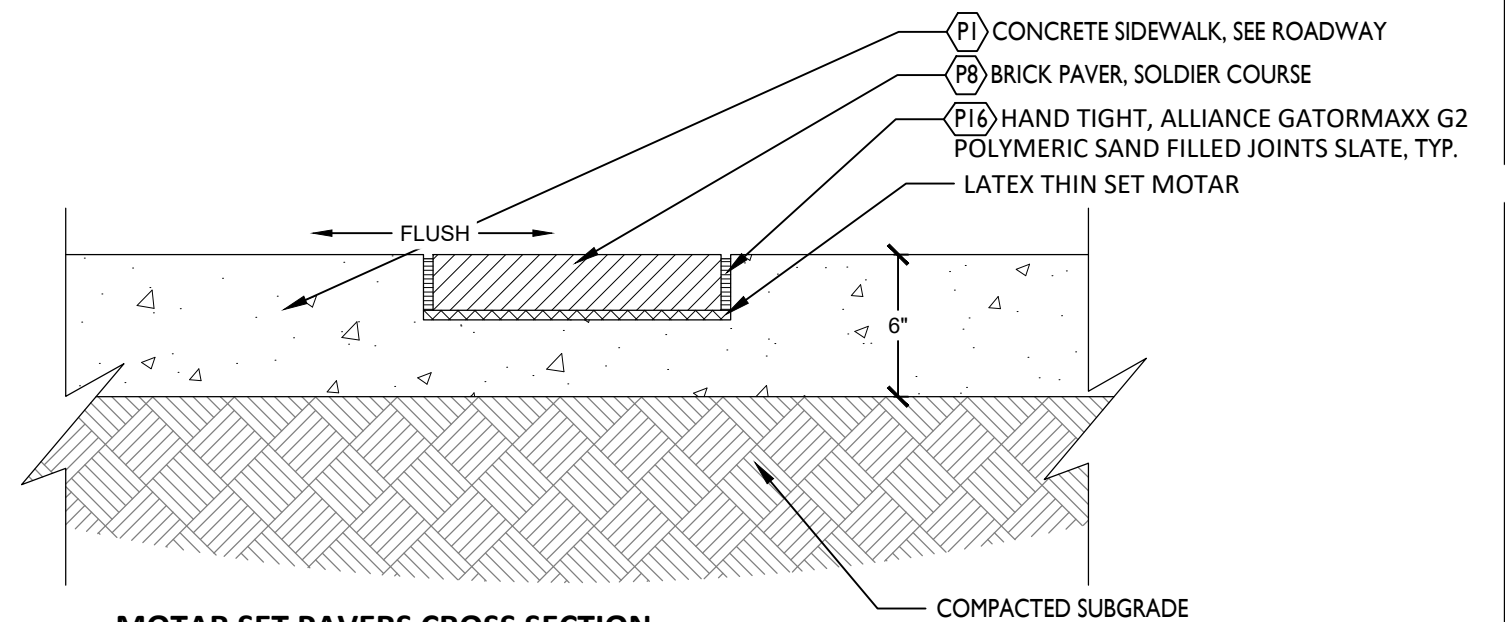
2 SAND SET PAVERS CROSS SECTION

NOT TO SCALE



3 TYPICAL BRICK PAVER ADA PARKING SPACE

SCALE: 1/4"=1'-0"



4 MOTAR SET PAVERS CROSS SECTION

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

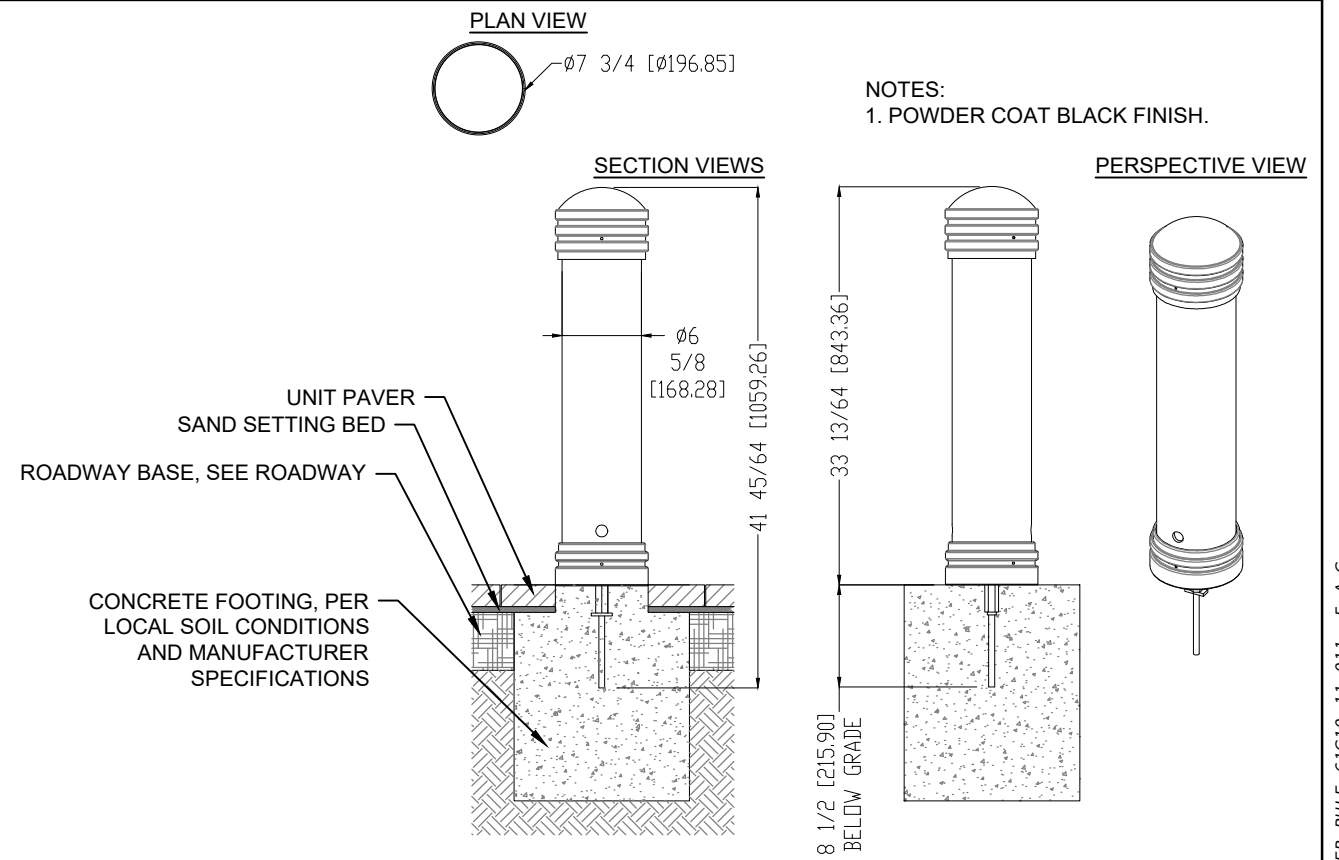
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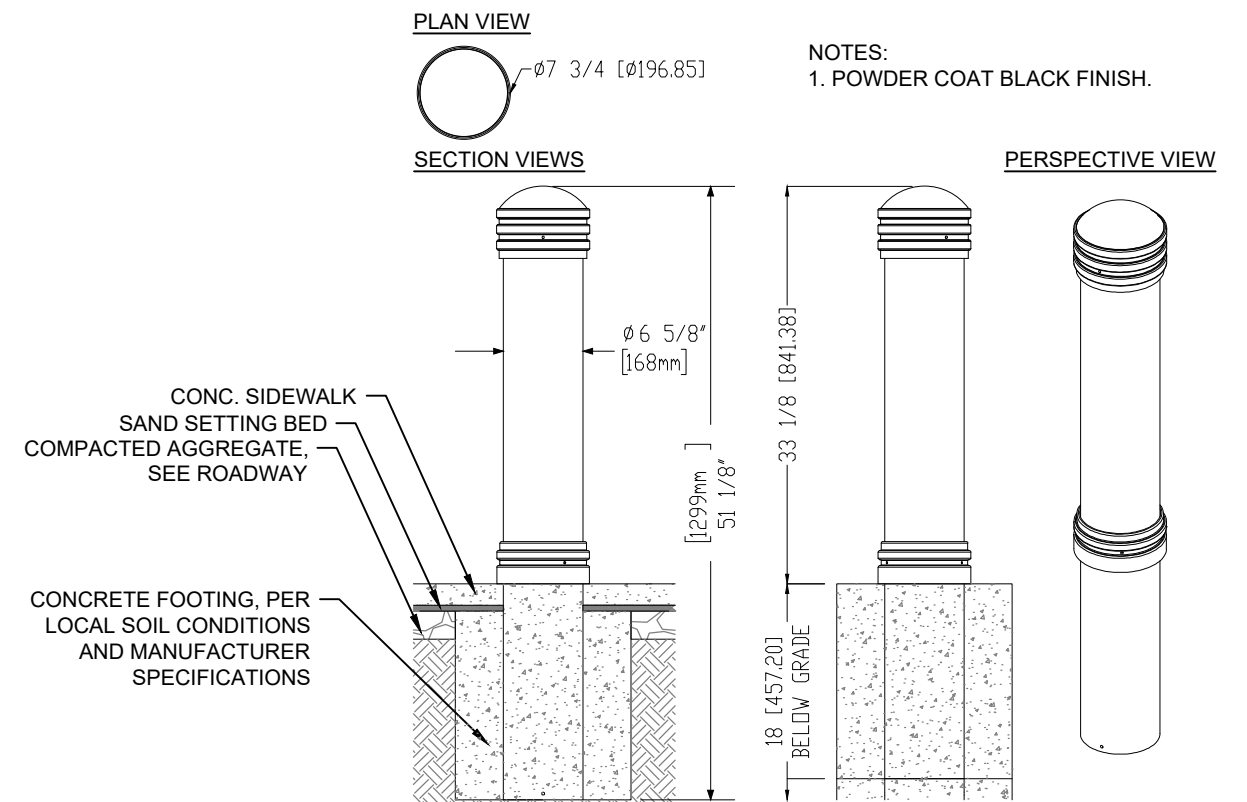
SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.
PROJECT NAME:	WALNUT STREET	SHEET NO.
		LH-508

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**1 REMOVABLE BOLLARDS**

NOT TO SCALE



**2 PEDESTRIAN BOLLARDS**

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
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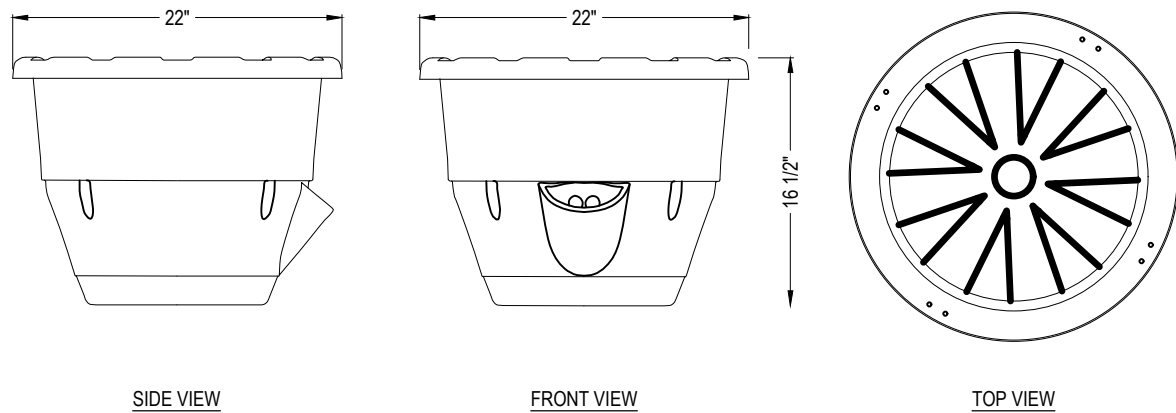
PREPARED FOR  
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GREEN COVE SPRINGS

SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.
PROJECT NAME:	WALNUT STREET	SHEET NO.
		LH-509

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EARTHPLANTER  
13 PULASKI STREET  
AUBURN, NY 13021  
PHONE: (877) 815-9276  
www.earthplanter.com



**FEATURES:**

- **EARTHPLANTER QUALITY** – THERMOFORMED CONSTRUCTION ENSURES YEARS OF OUTSTANDING PERFORMANCE IN THE TOUGHEST COMMERCIAL ENVIRONMENTS
- **INDUSTRY LEADING WICKING SYSTEM** – PROVIDES SUPERIOR BOTTOM FEEDING WHILE REGULATING WATER DELIVERY BASED ON SOIL CONDITIONS
- **SIDE FILL PORT** – PROVIDES EASY ACCESS AND ALLOWS WORKERS TO HOOK INTO THE PORT WITH MOST COMMERCIAL SPRAYER HEADS
- **UNMATCHED WARRANTY** – 10 YEARS ON PLANTER, 5 YEARS ON WICK

**SPECIFICATIONS**

**DIMENSIONS:** 22" TOP OUTSIDE DIAMETER X 16 1/2" H  
**PLANTING TRAY DEPTH:** 8"  
**WATER CAPACITY:** 4 GALLONS  
**SOIL CAPACITY:** APPROX. 1.0 CUBIC FEET – PRO MIX BX OR EQUIVALENT SOIL REQUIRED  
**PRODUCT WEIGHT:** 10 LBS. (SHIP WEIGHT) / APPROX. 70 LBS. WITH FULL RESERVOIR, & WET SOIL  
**WATERING CYCLE:** ONCE EVERY 5-7 DAYS (VARIES BASED ON LOCATION AND WEATHER CONDITIONS)  
**MATERIAL:** THERMOFORMED HIGH-DENSITY POLYETHYLENE  
**CHAINS:** 20" STAINLESS POWDER COATED BLACK 200 LB. CAPACITY PER CHAIN  
**COLOR:** BLACK  
**STACKABLE:** YES  
 100% MADE IN THE USA  
**INCLUDES:** BASKET, PLANTING TRAY WITH INTEGRATED WICK, (4) CHAINS, (4) U-HOOKS WITH PLATES & BOLTS, (1) S-HOOK

**NOTES:**

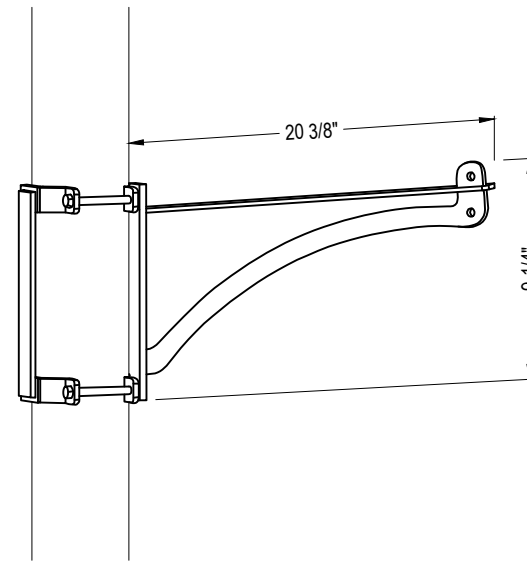
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

**1 HANGING BASKET**

PRO-SERIES SELF WATERING HANGING BASKET (EPPS22)

NOT TO SCALE

- SELECT DESIRED SIZE:
  - STANDARD (FITS MOST POLES 4-5" IN DIAMETER)
  - CUSTOM SIZES AVAILABLE (+\$10)



PERSPECTIVE

**FEATURES:**

- EARTHPLANTER CERTIFIED TO HOLD OVER 300 LBS.
- MADE FROM 1/4" HOT ROLLED STEEL
- REQUIRES 35-40% LESS POLE SPACE THAN COMPETITIVE PRODUCTS
- FINISH: BLACK POWDER COAT
- POLE BRACKETS AND HARDWARE INCLUDED
- 10 YEAR WARRANTY

**SPECIFICATIONS**

**ALL SPECS ARE PER BRACKET ARM**  
**BRACKET ARM:** LENGTH 20 3/8" X 8 3/4" HEIGHT (PER ARM)  
**POLE BRACKET:** 9 1/4" HEIGHT  
**WEIGHT:** 5 LBS. (6 LBS. WITH BRACKET)  
**SKU:** EPBDA20

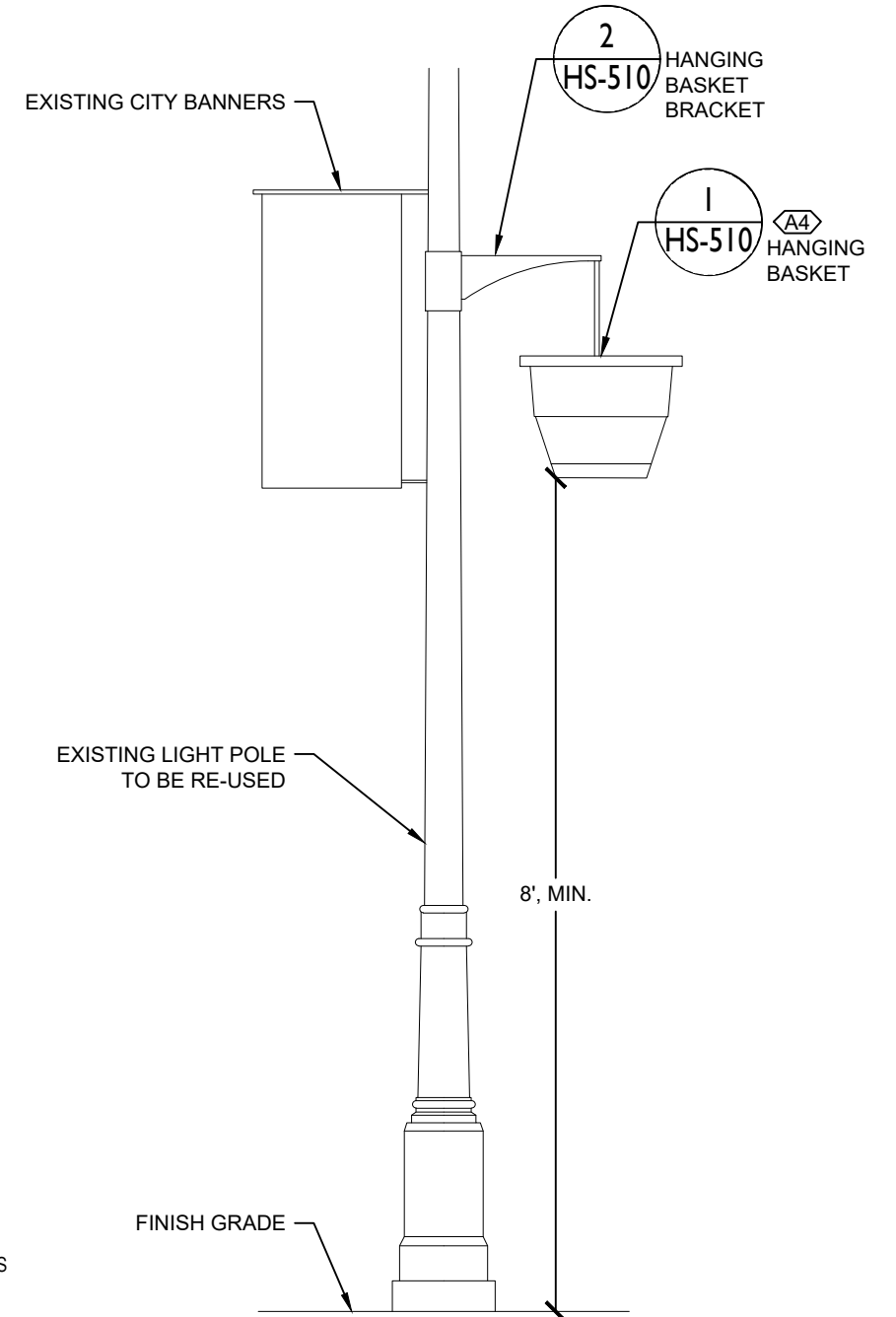
**NOTES:**

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**2 HANGING BASKET BRACKET**

SINGLE ARM BRACKET (EPBDA-4R)

NOT TO SCALE



**3 HANGING ON LIGHT POLE**

NOT TO SCALE

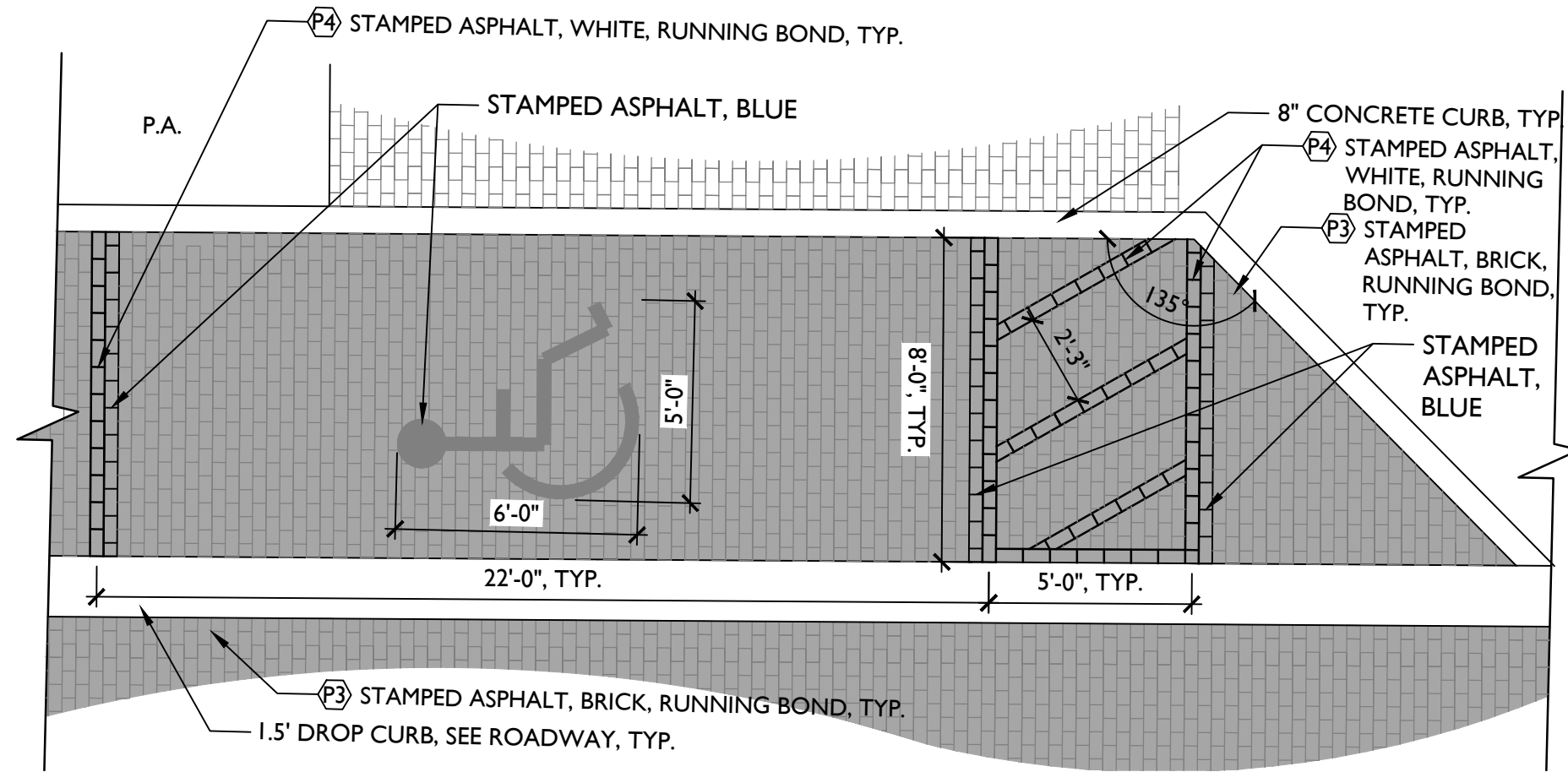
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE:	HARDSCAPE PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	HS-510




**1** TYPICAL STAMPED ASPHALT ADA PARKING SPACE

SCALE: 1/4"=1'-0"



**2** PLANTERS

NOT TO SCALE

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			HARDSCAPE PLANS		
							PROJECT NAME:		SHEET NO.	
							WALNUT STREET		LH-511	

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**GENERAL HARDSCAPE NOTES**

1. THESE CONSTRUCTION DOCUMENTS ARE ONLY INTENDED TO CONVEY OVERALL DESIGN INTENT, FORM, AND FINISHES. THE CONTRACTOR IS RESPONSIBLE TO INSTALL ALL WORK IN ACCORDANCE WITH THE RELEVANT AND APPLICABLE SECTIONS OF THE CSI, ASTM, AND/OR OTHER AIA/ASLA RECOGNIZED TRADE AGENCY, OR ANY LOCAL, COUNTY, OR STATE BUILDING CODES. THE LANDSCAPE ARCHITECT SHALL BEAR NO RESPONSIBILITY FOR ANY CONTRACTOR'S METHODS OF WORK.
2. THE CONTRACTOR SHALL VISIT THE SITE TO UNDERSTAND THE SCOPE AND EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. NO ALLOWANCES WILL BE MADE DUE TO A FAILURE TO THOROUGHLY UNDERSTAND EXISTING CONDITIONS.
3. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS.
4. QUANTITIES PROVIDED ARE FOR REFERENCE ONLY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES PRIOR TO SUBMITTING A BID.
5. CONTRACTOR SHALL GUARANTEE THE PERFORMANCE OF ALL WORK FOR THE PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
6. CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCING OF THEIR OPERATIONS ON-SITE. INCLUDING THE LOCAL MUNICIPALITY, COUNTY, AND STATE IN WHICH THE SITE IS LOCATED. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER AND KEPT ON-SITE BY THE GENERAL CONTRACTOR.
7. ALL WORK SHALL CONFORM WITH GOVERNING JURISDICTIONS.
8. ANY WORK IN THE RIGHT-OF-WAY SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
9. THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR - (SUNSHINE 811) - AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATION. CONTRACTOR TO COORDINATE FIELD VISITS WITH UTILITY REPRESENTATIVES TO LOCATE UTILITIES AND INVESTIGATE FOR CONFLICTS WITHIN THE PROJECT LIMITS.
10. LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, DETERMINING EXACT ELEVATIONS, ALIGNMENTS AND POSSIBLE CONFLICTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THIS UNCERTAINTY SHALL BE FACTORED IN THE BID OF THE CONTRACTOR.
11. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER.
12. CONTRACTOR RESPONSIBLE FOR LEGAL REMOVAL AND DISPOSAL OF DEMOLISHED CONCRETE, SUB-BASE AND COMPACTED ROAD ROCK.
13. CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING ALL EXISTING LANDSCAPE MATERIAL AS NOTED PER THE PLANS. IF ANY OF THE PROTECTED, PRESERVED, OR RELOCATED TREES DIE DURING CONSTRUCTION OR THE WARRANTY PERIOD, THE CONTRACTOR SHALL REPLACE THE LANDSCAPE MATERIAL IN KIND.
14. ALL SLEEVES ON THE PLANS FOR WALL PENETRATIONS, AND UNDER PAVEMENT SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.
15. CONTRACTOR RESPONSIBLE FOR ACHIEVING ADEQUATE PERCOLATION RATE (AS DESCRIBED ON THE LANDSCAPE NOTES) AND BACK FILLING WITH SPECIFIED SOIL/MATERIAL.
16. EXISTING UTILITIES, MANHOLE & HANDHOLE COVERS, UTILITY VAULTS, VALVE BOXES, METER BOXES, DRAINAGE STRUCTURES, ETC. SHALL BE SET ADJUSTED TO NEW GRADE ELEVATION, UNLESS OTHERWISE NOTED.
17. RESTORE ALL DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION.
18. PROPOSED SIDEWALK IS TO CONNECT TO EXISTING SIDEWALK AND MATCH EXISTING GRADE, WHERE APPLICABLE.
19. ALL PRODUCTS SHALL BE AS SPECIFIED, IF AN EQUIVALENT PRODUCT IS TO BE USED, IT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
20. CONSTRUCTION ACCESS AND STAGING AREAS TO BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
21. CONTRACTOR SHALL MAINTAIN A SAFE AND CLEAN WORK SITE AT ALL TIMES WITH NO ACCESS TO THE PUBLIC. IF WORK IS TO BE COMPLETED IN THE RIGHT-OF-WAY THE CONTRACTOR SHALL PROVIDE SAFE ACCESS AND PROTECTION AROUND THE CONSTRUCTION SITE AT ALL TIMES.
22. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT PROPER COMPACTION HAS BEEN ACHIEVED ON SUBGRADES, BASE MATERIALS, ETC. AS PER THE PLANS AND PROVIDE COPIES TO THE OWNER, UPON REQUEST.
23. PRIOR TO CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS/SUBMITTALS/ENGINEERING DRAWINGS SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
24. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF PROGRESS RECORD DRAWINGS (AS-BUILTS) ON-SITE DURING CONSTRUCTION INCLUDING ALL PERMITS.
25. CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE (1) DIGITAL COPY AND FIVE (5) SETS OF RECORD DRAWINGS (AS-BUILTS) UPON PROJECT COMPLETION. REFER TO THE CONTRACT GENERAL CONDITIONS FOR SPECIFIC REQUIREMENTS.
26. SHALL THERE BE QUESTION AS TO WHICH FINISH MATERIAL IS SPECIFIED FOR ANY SURFACE SHOWN IN THE DRAWING SET, IT IS UP TO THE CONTRACTOR TO REACH OUT TO THE LANDSCAPE ARCHITECT IN THE FORM OF AN RFP, FOR CLARIFICATION. ANY USE OF MATERIAL THAT IS NOT SPECIFIED IS SUBJECT TO REMOVAL AND REPLACEMENT.
27. DRAINAGE AND IRRIGATION SHALL BE PROVIDED TO ALL PLANTING AREAS. INSIDE OF ALL RETAINING WALLS AND RAISED PLANTERS SHALL BE SEALED WITH AN APPROPRIATE WATER-PROOFING SUBSTANCE, AND SHALL NOT BE VISIBLE ONCE SOIL IS BACKFILLED.
28. PROPOSED PLANT MATERIAL SHALL TAKE PRECEDENCE WHEN DETERMINING UNDERGROUND PIPING AND UTILITY LOCATIONS, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE CLEARANCES NECESSARY TO INSTALL PROPOSED LANDSCAPE/HARDSCAPE ELEMENTS.
29. CONTRACTOR SHALL RELOCATE OR ADJUST ANY UTILITIES/PIPING THAT INTERFERES WITH THE INSTALLATION OF PLANT MATERIALS AT HIS OWN EXPENSE.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MINIMUM TWO (2) SLEEVES TO ACCOMMODATE IRRIGATION/ELECTRICAL/DRAINAGE AS NEEDED TO ANY ISOLATED PLANTING AREA.

31. FINAL GRADING SHALL BE REVIEWED OR COMPLETED BY A CIVIL ENGINEER.
32. MAINTAIN EXISTING GRADE TO THE DRIP LINE OF EXISTING TREES.
33. NEW EARTHWORK SHALL BE BLENDED INTO ADDITIONAL GRADE.
34. 'PA' INDICATES PLANTING AREA. IN THESE AREAS, THE FILL SOIL SHALL BE OF A QUALITY OF SANDY LOAM ABLE TO SUPPORT PLANT LIFE, AS DETERMINED BY THE LANDSCAPE ARCHITECT, AND SHALL BE FREE OF ROCKS, SHELLS, OR RUBBLE.
35. INSTALL ALL HARDSCAPE ELEMENTS IN ACCORDANCE WITH ENGINEERS DRAWINGS INCLUDING DRAINAGE, WALLS, STEPS, POOLS, SPAS, OR ANY OTHER STRUCTURES.
36. CAPSTONES SHALL BE SECURED WITH AN EXTERIOR RATED CONCRETE CONSTRUCTION ADHESIVE, OR AS RECOMMENDED BY THE MANUFACTURER
37. CONCRETE, UNLESS OTHERWISE NOTED BY ENGINEER, SHALL MEET THE FOLLOWING REQUIREMENTS.
  - 37.1. 28-DAY COMPRESSIVE STRENGTH:
    - 37.1.1.SIDEWALKS 2500 PSI
    - 37.1.2.FOUNDATIONS AND PATIO SLABS\* 3000 PSI - FIBER REINFORCED
    - 37.1.3.COLUMNNS, BEAMS, AND SLABS 4000 PSI
  - 37.2. SLAB SURFACE FINISH: UNLESS OTHERWISE NOTED, ALL CONCRETE SLABS AND WALKWAYS SHALL RECIEVE A NON-SKID, LIGHT BROOMED FINISH. FINISH AND COLOR SHALL BE UNIFORM AND CONSISTENT OVER THE ENTIRE SURFACE. TOOL EDGES OF PAVEMENT, GUTTERS, CURBS, AND JOINTS.
  - 37.3. PROVIDE GROOVED OR CONTROL JOINTS AS NOTED BY ENGINEERS SPECIFICATIONS, OR EVERY 6' O.C. - SAWCUT JOINTS SHALL NOT BE ALLOWED
38. A WEEP HOLE SHALL BE PROVIDED FOR EVERY 3-5 FEET LENGTH OF A WALL. WHERE WEEP HOLES EMIT INTO A LANDSCAPE BED, THEY SHALL EMIT 4-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED. WHERE WEEP HOLES EMIT ONTO A PAVED AREA, EVERY POSSIBLE ATTEMPT SHALL BE TAKEN TO HIDE THE PRESENCE OF THE WEEP HOLE, INCLUDING ENDING THE PIPE BEHIND THE FINISH MATERIAL, AND PROVIDING A SMALL GAP OR HOLE IN THE FINISH MATERIAL TO LET WATER ESCAPE.
39. ONCE GRADING OPERATIONS ARE COMPLETED, ALL DISTURBED AREAS SHALL BE STABILIZED BY FINE GRADING.
40. ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRAINAGE SYSTEM THROUGH THE USE OF, BUT NOT LIMITED TO, THE FOLLOWING MEASURES: SILT FENCES, STRAW BALES, GRAVEL, BOARDS, GUTTER GUARDS, DRAIN GUARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MITIGATING ALL SEDIMENT LEAVING THE SITE AND TAKE APPROPRIATE CORRECTIVE MEASURES.

**LAYOUT NOTES**

1. THE CONTRACTOR IS RESPONSIBLE FOR ACCURATELY SURVEYING AND LAYING OUT THE PROPOSED WORK FOR CONSTRUCTION. ANY DISTURBED OR LOST SURVEY MARKERS TO BE REPLACED AS REQUIRED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES, LINES, DIMENSIONS, EXISTING CONDITIONS AND REPORT ANY ERRORS, OMISSIONS, OR INCONSISTENCIES TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
2. DO NOT SCALE THE DRAWINGS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE LANDSCAPE ARCHITECT SHALL BE INFORMED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO CONTINUING WITH THE WORK.
3. CONTRACTOR MAY REQUEST DIGITAL DRAWING FILES FOR CONSTRUCTION LAYOUT PURPOSES.
4. THE LIMIT OF WORK LINE SHOULD BE STAKED TO ESTABLISH THE DISTURBED AREAS. ANTI-SILTATION BARRIERS AND FILTERS TO BE PLACED AT LOW POINTS TO PREVENT CONSTRUCTION SITE RUN-OFF FROM CONTAMINATING ADJACENT LAND AND WATER BODIES.

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			HARDSCAPE PLANS	
							PROJECT NAME:	WALNUT STREET	SHEET NO. LH-512

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

**MATERIALS SCHEDULE**

**PAVING SURFACING**

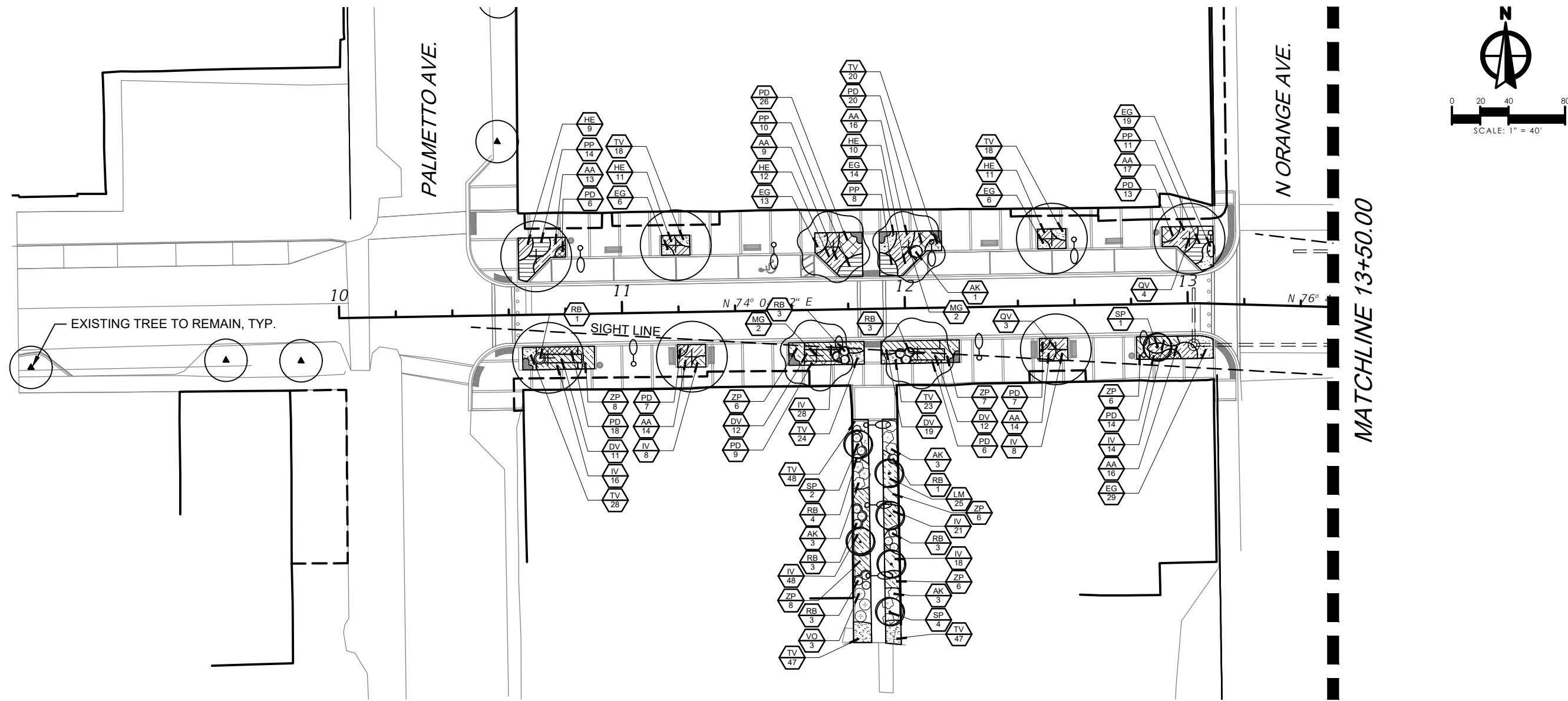
KEYNOTE CODE	MATERIAL	MANUFACTURER OR DISTRIBUTOR	SERIES, MODEL, SIZE	COLOR, FINISH, AND PATTERN	RECOMMENDATIONS AND NOTES
P1	CONCRETE SIDEWALK	SEE ROADWAY	SEE ROADWAY	SEE ROADWAY	SEE ROADWAY
P2	ASPHALT	SEE ROADWAY	SEE ROADWAY	SEE ROADWAY	SEE ROADWAY
P3	STAMPED ASPHALT (ROADWAY)	ATLANTIC PAVING, (30S)- S13- 8632	STREET BRICK XL OR APPROVED EQUAL	BRICK, OFFSET BRICK	
P4	STAMPED ASPHALT (STOP BAR AND PARKING STRIPING)	ATLANTIC PAVING, (30S)- S13- 8632	STREET BRICK XL OR APPROVED EQUAL	WHITE, OFFSET BRICK	
P5	STAMPED ASPHALT (CROSSWALK)	ATLANTIC PAVING, (30S)- S13- 8632	STREET BRICK XL OR APPROVED EQUAL	BRICK, HERRINGBONE	
P6	REUSED CLAY BRICK PAVER (ROADWAY)	REUSED	APPROX. 8-5/8"x 3.2"x 3.98" DEPTH	SALVAGE FROM ROADWAY, RUNNING BOND	SAND SET
P8	CLAY BRICK PAVERS (SIDEWALK)	CASH BUILDING MATERIALS, 904-355-6651	22S0424 – PINE HALL RED BRICK OR APPROVED EQUAL	NEW TO MATCH REUSED, BRICK RED, SOLDIER COURSE, MORTAR SET	MORTAR SET
P9	CLAY BRICK PAVERS (CROSSWALK)	CASH BUILDING MATERIALS, 904-355-6651	22S0424 – PINE HALL RED BRICK OR APPROVED EQUAL	NEW TO MATCH REUSED, BRICK RED, HERRINGBONE	SAND SET
P10	CONCRETE PAVERS (STOP BAR AND PARKING STRIPING)	LOWCOUNTRY BLOCK & PAVER, 866-468-3561	PARKING PAVERS OR APPROVED EQUAL	WHITE, CLASSIC, RUNNING BOND	SAND SET
P11	CONCRETE PAVERS (ADA PARKING)	LOWCOUNTRY BLOCK & PAVER, 866-468-3561	PARKING PAVERS OR APPROVED EQUAL	BLUE, CLASSIC, RUNNING BOND	SAND SET
P12	CONCRETE ADA DOMES	LOWCOUNTRY BLOCK & PAVER, 866-468-3561	ADA PAVERS OR APPROVED EQUAL	WHITE	IN CONCRETE LANDING, MORTAR SET
P13	CONCRETE ADA DOMES	LOWCOUNTRY BLOCK & PAVER, 866-468-3561	ADA PAVERS OR APPROVED EQUAL	RED	IN CONCRETE LANDING, MORTAR SET
P14	FLUSH CURB (CROSSWALKS)	SEE ROADWAY	1' CONCRETE	SEE ROADWAY	SEE ROADWAY
P15	FLUSH CURB	SEE ROADWAY	8" CONCRETE	SEE ROADWAY	SEE ROADWAY
P16	POLYMERIC SAND	ALLIANCE GATOR	SUPERSAND G2 POLYMERIC SAND OR APPROVED EQUAL	SLATE GRAY	
P17	REUSED CLAY BRICK PAVER (PARKING)	REUSED	APPROX. 8-7/16"x 3.91"x 3.03" DEPTH	SALVAGE FROM SIDEWALKS AND EDGE OF ROADWAY, RUNNING BOND	SAND SET
P18	PERMEABLE PAVERS (PARKING)	BELGARD ECO HOLLAND	80 MM 4" x 8" 3 1/8" OR APPROVED EQUAL	RED, HERRINGBONE	SEE DRAINAGE PLANS

**SITE AMENITIES**

KEYNOTE CODE	QTY.	MATERIAL	MANUFACTURER OR DISTRIBUTOR	SERIES, MODEL, SIZE	COLOR, FINISH, AND PATTERN	RECOMMENDATIONS AND NOTES
A1	8	BENCH	VICTOR STANLEY, BECKY MCNAMARA, 301-855-8300, BRITTANYD@VICTORSTANLEY.COM	STEELSITES RB, RB-28, 6'	FLUSH PER MANUFACTURES RECOMMENDATIONS, POWDER COAT GREEN	REFER TO DETAIL 1/LH-S06
A2	8	BIKE RACK	VICTOR STANLEY, BECKY MCNAMARA, 301-855-8300, BRITTANYD@VICTORSTANLEY.COM	CYCLE SENTRY, BRHS-101, IN-GROUND MOUNT	FLUSH MOUNT PER MANUFACTURES RECOMMENDATIONS, POWDER COAT GREEN	REFER TO DETAIL 2/LH-S06
A3	8	TRASH RECEPTACLE				REUSE EXISTING
A4	44	HANGING BASKETS WITH BRACKETS	EARTH PLANTER, 877-815-9279	PRO-SERIES SELF WATERING HANGING BASKET, EPPS22, BRACKETS - SINGLE POLE BRACKET #EPBSA20- OR APPROVED EQUAL	BLACK	1 BASKET AND BRACKET PER LIGHT FIXTURE, MOUNT OVER SIDEWALK, REFER TO DETAIL 1-3/LH-S10
A5	29	BOLLARDS	MAGLIN, KETT PHOMMASENH, 1-800-716-5506 x1102, KETT.PHOMMASENH@MAGLIN.COM	6S0 BOLLARD BASE TYPE 1, MTB6S0-B1 OR APPROVED EQUAL	POWDER COAT BLACK	REFER TO DETAIL 2/LH-S09
A6	20	BOLLARDS REMOVABLE	MAGLIN, KETT PHOMMASENH, 1-800-716-5506 x1102, KETT.PHOMMASENH@MAGLIN.COM	6S0 BOLLARD BASE TYPE 3, MTB6S0-B3 OR APPROVED EQUAL	POWDER COAT BLACK	REFER TO DETAIL 1/LH-S09
A8	33	PLANTERS (GROUPS OF 3 AT 11 LOCATIONS)	OLD TOWN FIBERGLASS, SEAN SMITH, 917-716-9242, SEAN@JETTY14.COM	MOONSTONE, MN2S29, 3 SIZES- 16.5" DIAM., 20.5" DIAM., 25" DIAM. OR APPROVED EQUAL	WHITE 1S O	MIX 1 OF EACH SIZE AT ELEVEN LOCATIONS, REFER TO DETAIL 2/LH-S11

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411		CITY OF GREEN COVE SPRINGS	PROJECT NAME:	HARDSCAPE PLANS	REF. DWG. NO.
										WALNUT STREET	SHEET NO. LH-600

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



- NOTES:
1. SEE LH-507 AND HARDSCAPE PLANS FOR STRUCTURAL SOIL LIMITS AND LOCATIONS.
  2. REFER TO ROADWAY PLAN SHEETS FOR DIMENSIONS AND POINTS OF BEGINNING.
  3. SEE ROADWAY AND UTILITY PLANS FOR ALL MANHOLES, DROP INLETS, ELECTRIC HAND HOLE BOXES, AND METER BOXES LOCATIONS.

**LEGEND**

TREES		SHRUB AREAS		SHRUB AREAS CONTINUED	
	LI TUSCARORA CRAPE MYRTLE		AA AFRICAN LILY		PP PRINCESS CAROLINE FOUNTAIN GRASS
	LJ JAPANESE PRIVET		DV AFRICAN IRIS		PD PRINGLES DWARF PODOCARPUS
	LT TULIP POPLAR		EG BRAZILIAN DWARF MORNING GLORY		SB SAND CORDGRASS
	MG SOUTHERN MAGNOLIA		HE HYBRID DAYLILY		SS ST. AUGUSTINE GRASS (SOD)
	PS SYLVESTER DATE PALM		IV SCHILLINGS DWARF YAUPON HOLLY		TV SOCIETY GARLIC
	QV CATHEDRAL LIVE OAK		LM EVERGREEN GIANT LILYTURF		ZP COONTIE
	SP CABBAGE PALM		MC PINK MUHLY GRASS	<b>SHRUBS</b>	
	TD BALD CYPRESS		PN BAHIA GRASS		AK KALEIDOSCOPE GLOSSY ABELIA
	EX EXISTING TREE TO REMAIN				RB AUTUMN CHIFFON ENCORE AZALEA
	EX EXISTING PALM TO REMAIN				VO SWEET VIBURNUM
					VO2 SWEET VIBURNUM

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			LANDSCAPE PLANS		
							PROJECT NAME:			
							WALNUT STREET		SHEET NO.	
									LP-100	

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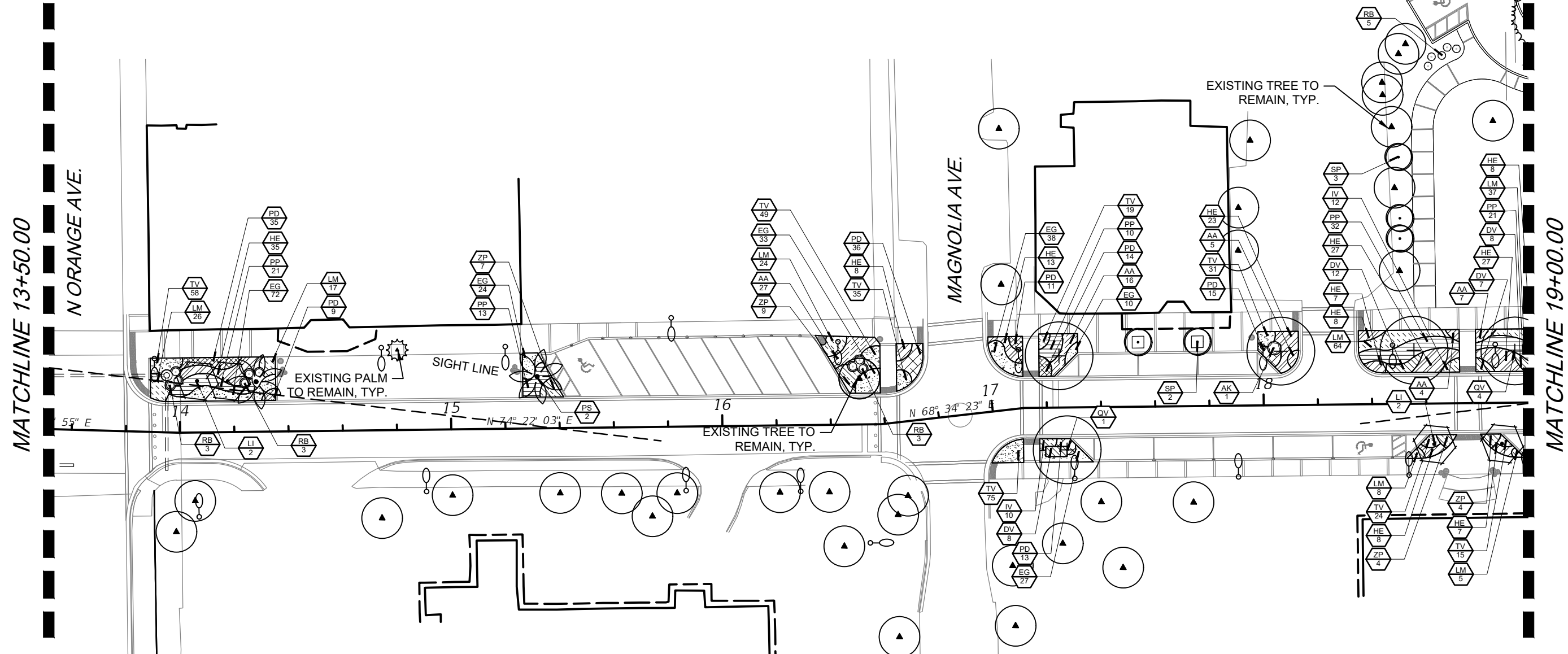
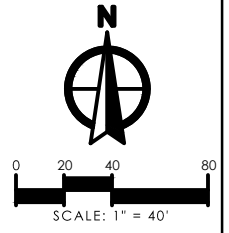
**LEGEND**

- TREES**
- LI TUSCARORA CRAPE MYRTLE
  - LJ JAPANESE PRIVET
  - LT TULIP POPLAR
  - MG SOUTHERN MAGNOLIA
  - PS SYLVESTER DATE PALM
  - QV CATHEDRAL LIVE OAK
  - SP CABBAGE PALM
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  - EX EXISTING TREE TO REMAIN
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- SHRUB AREAS**
- AA AFRICAN LILY
  - DV AFRICAN IRIS
  - EG BRAZILIAN DWARF MORNING GLORY
  - HE HYBRID DAYLILY
  - IV SCHILLINGS DWARF YAUPON HOLLY
  - LM EVERGREEN GIANT LILYTURF
  - MC PINK MUHLY GRASS
  - PN BAHIA GRASS

- SHRUB AREAS CONTINUED**
- PP PRINCESS CAROLINE FOUNTAIN GRASS
  - PD PRINGLES DWARF PODOCARPUS
  - SB SAND CORDGRASS
  - SS ST. AUGUSTINE GRASS (SOD)
  - TV SOCIETY GARLIC
  - ZP COONTIE
- SHRUBS**
- AK KALEIDOSCOPE GLOSSY ABELIA
  - RB AUTUMN CHIFFON ENCORE AZALEA
  - VO SWEET VIBURNUM
  - VO2 SWEET VIBURNUM

- NOTES:**
- SEE LH-507 AND HARDSCAPE PLANS FOR STRUCTURAL SOIL LIMITS AND LOCATIONS.
  - REFER TO ROADWAY PLAN SHEETS FOR DIMENSIONS AND POINTS OF BEGINNING.
  - SEE ROADWAY AND UTILITY PLANS FOR ALL MANHOLES, DROP INLETS, ELECTRIC HAND HOLE BOXES, AND METER BOXES LOCATIONS.



**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE: <b>LANDSCAPE PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LP-101</b>

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**LEGEND**

**TREES**

- LI TUSCARORA CRAPE MYRTLE
- LJ JAPANESE PRIVET
- LT TULIP POPLAR
- MG SOUTHERN MAGNOLIA
- PS SYLVESTER DATE PALM
- QV CATHEDRAL LIVE OAK
- SP CABBAGE PALM
- TD BALD CYPRESS
- EX EXISTING TREE TO REMAIN
- EX EXISTING PALM TO REMAIN

**SHRUB AREAS**

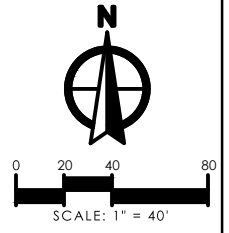
- AA AFRICAN LILY
- DV AFRICAN IRIS
- EG BRAZILIAN DWARF MORNING GLORY
- HE HYBRID DAYLILY
- IV SCHILLINGS DWARF YAUPON HOLLY
- LM EVERGREEN GIANT LILYTURF
- MC PINK MUHLY GRASS
- PN BAHIA GRASS

**SHRUB AREAS CONTINUED**

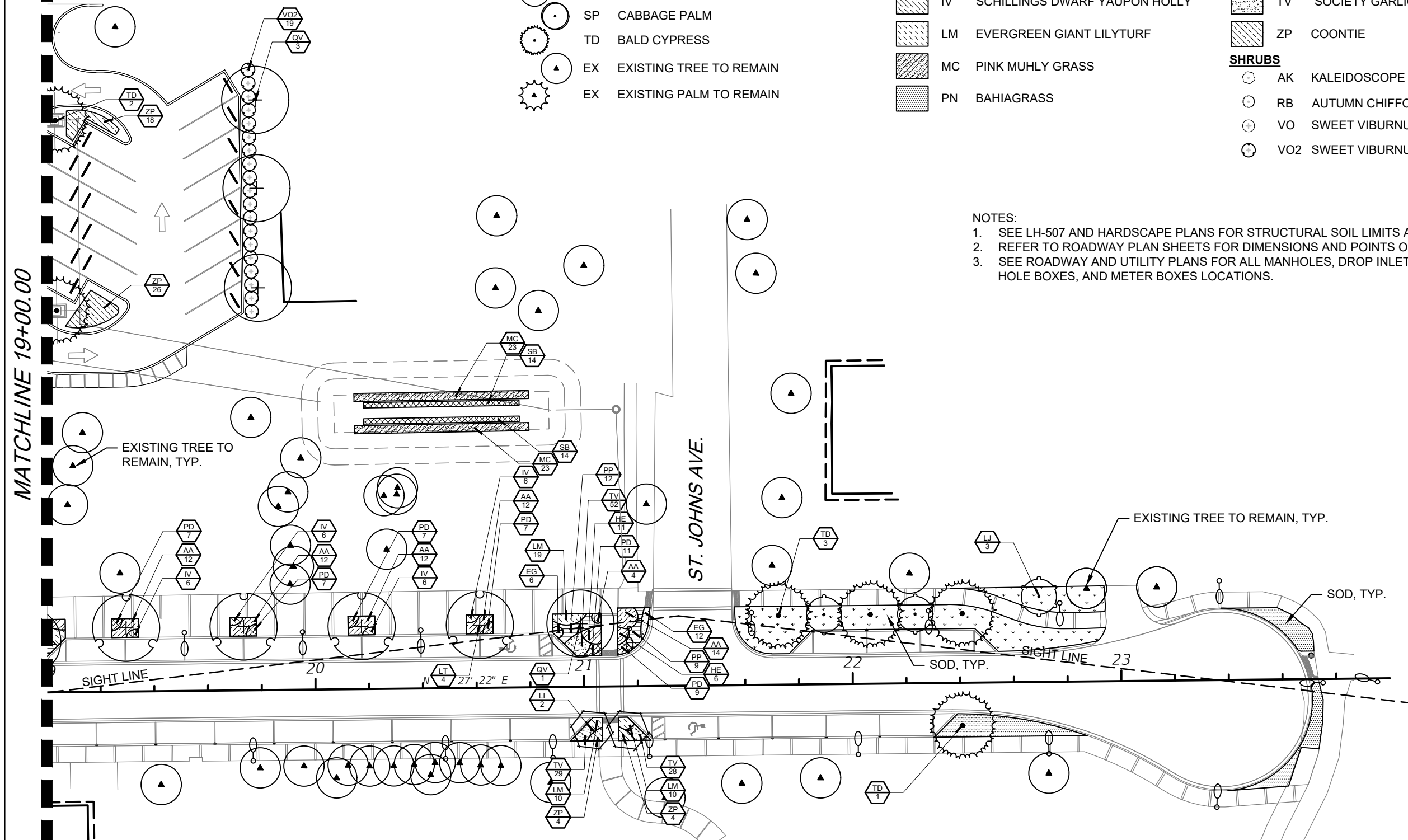
- PP PRINCESS CAROLINE FOUNTAIN GRASS
- PD PRINGLES DWARF PODOCARPUS
- SB SAND CORDGRASS
- SS ST. AUGUSTINE GRASS (SOD)
- TV SOCIETY GARLIC
- ZP COONTIE

**SHRUBS**

- AK KALEIDOSCOPE GLOSSY ABELIA
- RB AUTUMN CHIFFON ENCORE AZALEA
- VO SWEET VIBURNUM
- VO2 SWEET VIBURNUM



MATCHLINE 19+00.00



- NOTES:**
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  - REFER TO ROADWAY PLAN SHEETS FOR DIMENSIONS AND POINTS OF BEGINNING.
  - SEE ROADWAY AND UTILITY PLANS FOR ALL MANHOLES, DROP INLETS, ELECTRIC HAND HOLE BOXES, AND METER BOXES LOCATIONS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

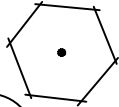
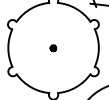


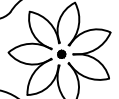




ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE: <b>LANDSCAPE PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LP-102</b>

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**PLANT SCHEDULE**

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	REMARKS
	LI	6	Tuscarora Crape Myrtle	Lagerstroemia indica x fauriei 'Tuscarora'	10' O.A., MULTI-TRUNK
	LJ	3	Japanese Privet	Ligustrum japonicum	6-7' O.A., MULTI-TRUNK
	LT	4	Tulip Poplar	Liriodendron tulipifera	12' ht., 2.5" cal.
	MG	4	Southern Magnolia	Magnolia grandiflora	12' ht., 2.5" cal.
	PS	2	Sylvester Date Palm	Phoenix sylvestris	14' c.t.
	QV	18	Cathedral Live Oak	Quercus virginiana 'Cathedral'	20' ht., 6" cal.
	SP	12	Cabbage Palmetto	Sabal palmetto	RELOCATED
	TD	6	Bald Cypress	Taxodium distichum	12' ht., 2.5" cal.
SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	REMARKS
	AK	11	Kaleidoscope Glossy Abelia	Abelia x grandiflora 'Kaleidoscope'	24" x 24", a.s.
	RB	35	Autumn Chiffon® Encore® Azalea	Rhododendron x 'Robled'	24" x 24", a.s.
	VO	3	Sweet Viburnum	Viburnum odoratissimum	36" x 36", a.s.
	VO2	19	Sweet Viburnum	Viburnum odoratissimum	72" x 48", a.s.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411

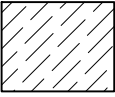
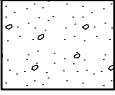
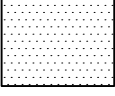
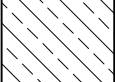


PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS


SHEET TITLE:	LANDSCAPE SCHEDULE	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	LP-400

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**PLANT SCHEDULE**

SHRUB AREAS	CODE	QTY	COMMON NAME	BOTANICAL NAME	REMARKS
	AA	224	African Lily	Agapanthus africanus	24" x 24" @ 2' o.c.
	DV	89	African Iris	Dietes vegeta	24" x 24" @ 2' o.c.
	EG	309	Brazilian Dwarf Morning Glory	Evolvulus glomeratus 'Blue Daze'	12" x 12" @ 18" o.c.
	HE	241	Hybrid Daylily	Hemerocallis x	24" x 24" @ 2' o.c.
	IV	207	Schillings Dwarf Yaupon Holly	Ilex vomitoria 'Schillings Dwarf'	10" x 10" @ 2' o.c.
	LM	245	Evergreen Giant Lilyturf	Liriope muscari 'Evergreen Giant'	12" x 12" @ 18" o.c.
	MC	46	Pink Muhly Grass	Muhlenbergia capillaris	18" x 12" @ 36" o.c.
	PN	689 sf	Bahiagrass	Paspalum notatum	SOD
	PP	161	Princess Caroline Fountain Grass	Pennisetum purpureum 'Princess Caroline'	18" x 18" @ 2.5' o.c.
	PD	307	Pringles Dwarf Podocarpus	Podocarpus macrophyllus 'Pringles'	12" x 12" @ 1.5' oc
	SB	28	Sand Cordgrass	Spartina bakeri	18" x 12" @ 36" o.c.
	SS	1,734 sf	St. Augustine Grass	Stenotaphrum secundatum	SOD
	TV	688	Society Garlic	Tulbaghia violacea	10" x 10" @ 1' o.c.
	ZP	123	Coontie	Zamia pumila	12" x 12" @ 30" o.c.

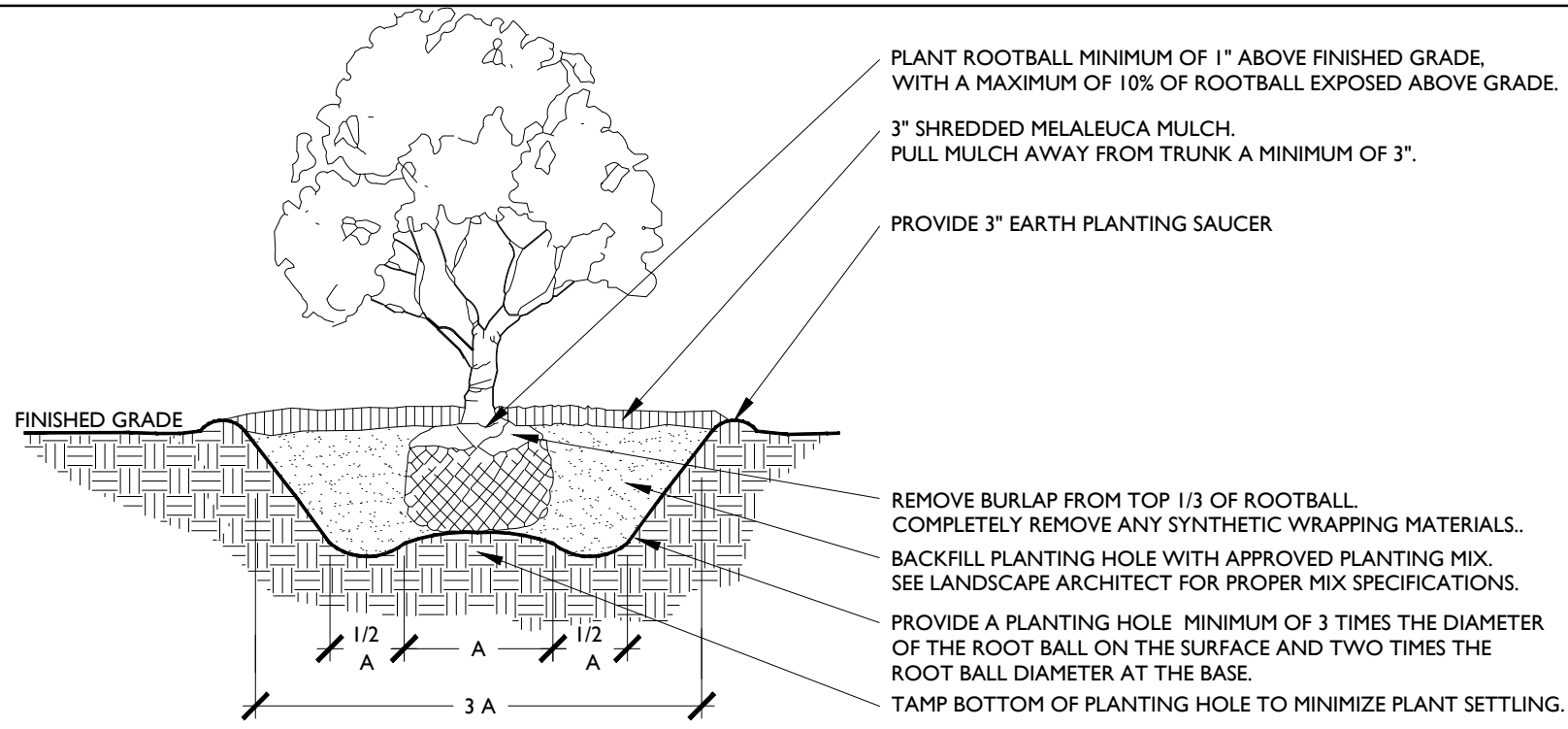
NOTES:  
 I. TBD ANNUAL PLANTING/ SEASONAL COLOR- MIX TO BE PROVIDED IN EVERY PLANTER AND HANGING BASKET.  
 CITY TO APPROVE PLANT SELECTION.

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			LANDSCAPE SCHEDULE	
							PROJECT NAME:	WALNUT STREET	SHEET NO. LP-401

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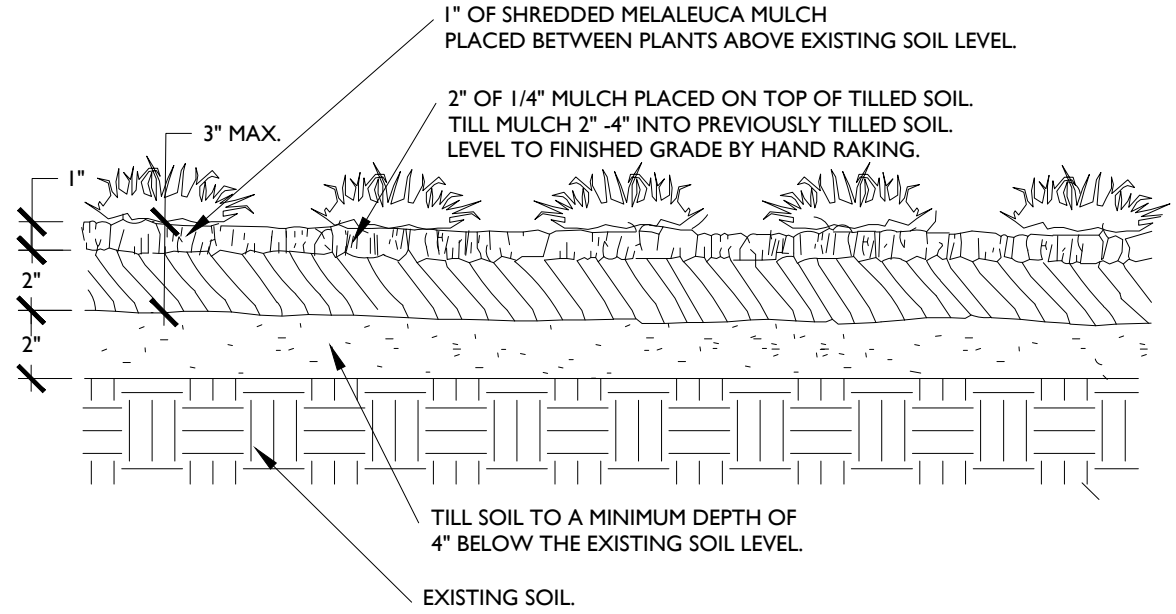
**LANDSCAPE NOTES:**

1. STRUCTURAL ELEMENTS AND HARDSCAPE FEATURES INDICATED ON LANDSCAPE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. LANDSCAPE PLANS ARE TO BE UTILIZED FOR LOCATION OF LIVING PLANT MATERIAL ONLY. LANDSCAPE PLANS SHOULD NOT BE UTILIZED FOR STAKING AND LAYOUT OR LOCATION OF ANY STRUCTURAL SITE FEATURES INCLUDING BUT NOT LIMITED TO: BUILDINGS, SIGNAGE, PATHWAYS, EASEMENTS, BERMS, WALL, FENCES, UTILITIES OR ROADWAYS.
2. CONTRACTOR SHALL ACQUIRE ALL APPLICABLE FEDERAL, STATE, LOCAL, JURISDICTIONAL OR UTILITY COMPANY PERMITS REQUIRED PRIOR TO REMOVAL, RELOCATION, AND/OR INSTALLATION OF LANDSCAPE MATERIALS INDICATED WITHIN PLAN DOCUMENTS. THE CONTRACTOR SHALL HAVE PERMITS "IN HAND" PRIOR TO STARTING WORK. LANDSCAPE ARCHITECT SHALL BEAR NO RESPONSIBILITY FOR WORK PERFORMED WITHOUT PERMITTED DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES TO THE WORK, AT NO ADDITIONAL COST TO THE OWNER, AS A RESULT OF UNAUTHORIZED WORK PRIOR TO RECEIPT OF PERMIT.
3. TREES SHOWN ON THIS PLAN ARE FOR GRAPHIC REPRESENTATION ONLY. TREE SPACING IS BASED ON DESIGN REQUIREMENTS AND THE TREES SHOWN ON THESE PLANS ATTEMPT TO ACCOMPLISH THAT SPACING WHILE MAINTAINING THE REQUIRED SETBACKS FROM UTILITIES. IN THE EVENT OF A CONFLICT, AFFECTED PLANT MATERIAL SHALL BE FIELD ADJUSTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT TO AVOID CONFLICTS WITH THE WITH EXISTING AND PROPOSED UTILITIES, LIGHT POLES, DRAINAGE STRUCTURES OR LINES, OR OTHER AFFECTED SITE FEATURES.
4. ANY PLANTING WITHIN THE SIGHT TRIANGLES SHALL PROVIDE UNOBSTRUCTED VIEWS AT A LEVEL BETWEEN 30" AND 8' ABOVE THE PAVEMENT.
5. IN CASE OF DISCREPANCIES PLANS TAKE PRECEDENCE OVER PLANT LIST.
6. LANDSCAPE CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL QUANTITIES PRIOR TO BIDDING.
7. REMOVAL OF EXISTING VEGETATION IS RESPONSIBILITY OF LANDSCAPE CONTRACTOR.
8. ALL PLANT MATERIAL TO BE FLORIDA GRADE #1 AT TIME OF INSTALLATION UNLESS OTHERWISE NOTED.



**1 SHRUB PLANTING DETAIL**

NOT TO SCALE



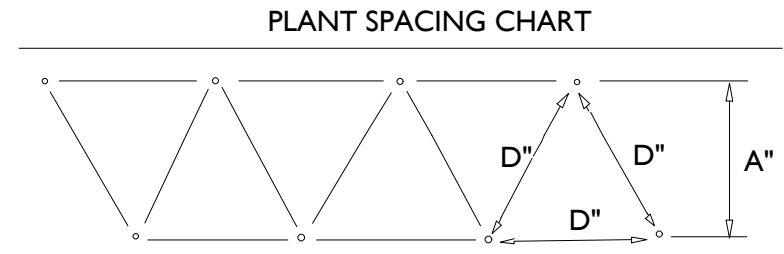
**2 GROUNDCOVER PLANTING DETAIL**


NOT TO SCALE

SPACING "D"	ROW "A"
6" O.C.	5.2"
8" O.C.	6.93"
10" O.C.	8.66"
12" O.C.	10.4"
18" O.C.	15.6"
24" O.C.	20.8"
30" O.C.	26.0"
36" O.C.	31.2"
48" O.C.	41.6"

**3 PLANT SPACING DETAIL**

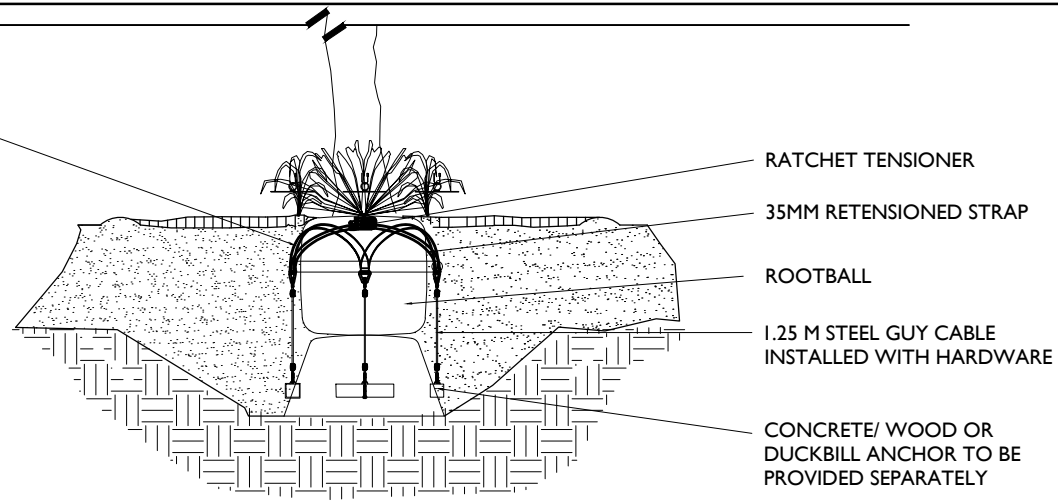
NOT TO SCALE



REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			LANDSCAPE DETAILS		
							PROJECT NAME:		SHEET NO.	
							WALNUT STREET		LP-500	

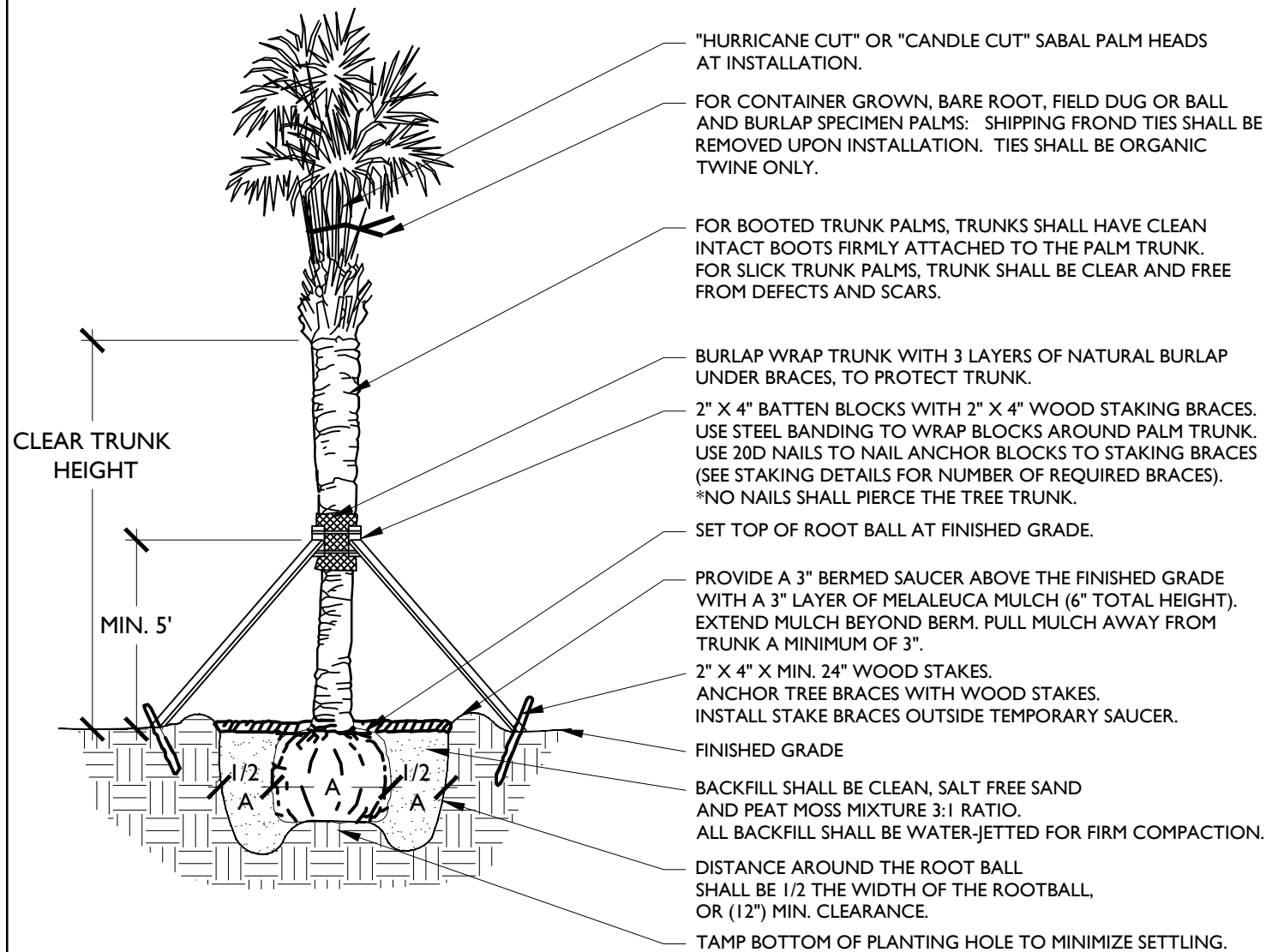
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ArborGuy ANCHORPLATE  
ROOTBALL GUYING  
SYSTEM. INSTALL PER  
MANUFACTURER'S  
RECOMMENDATIONS



**1 UNDERGROUND STAKING DETAIL**

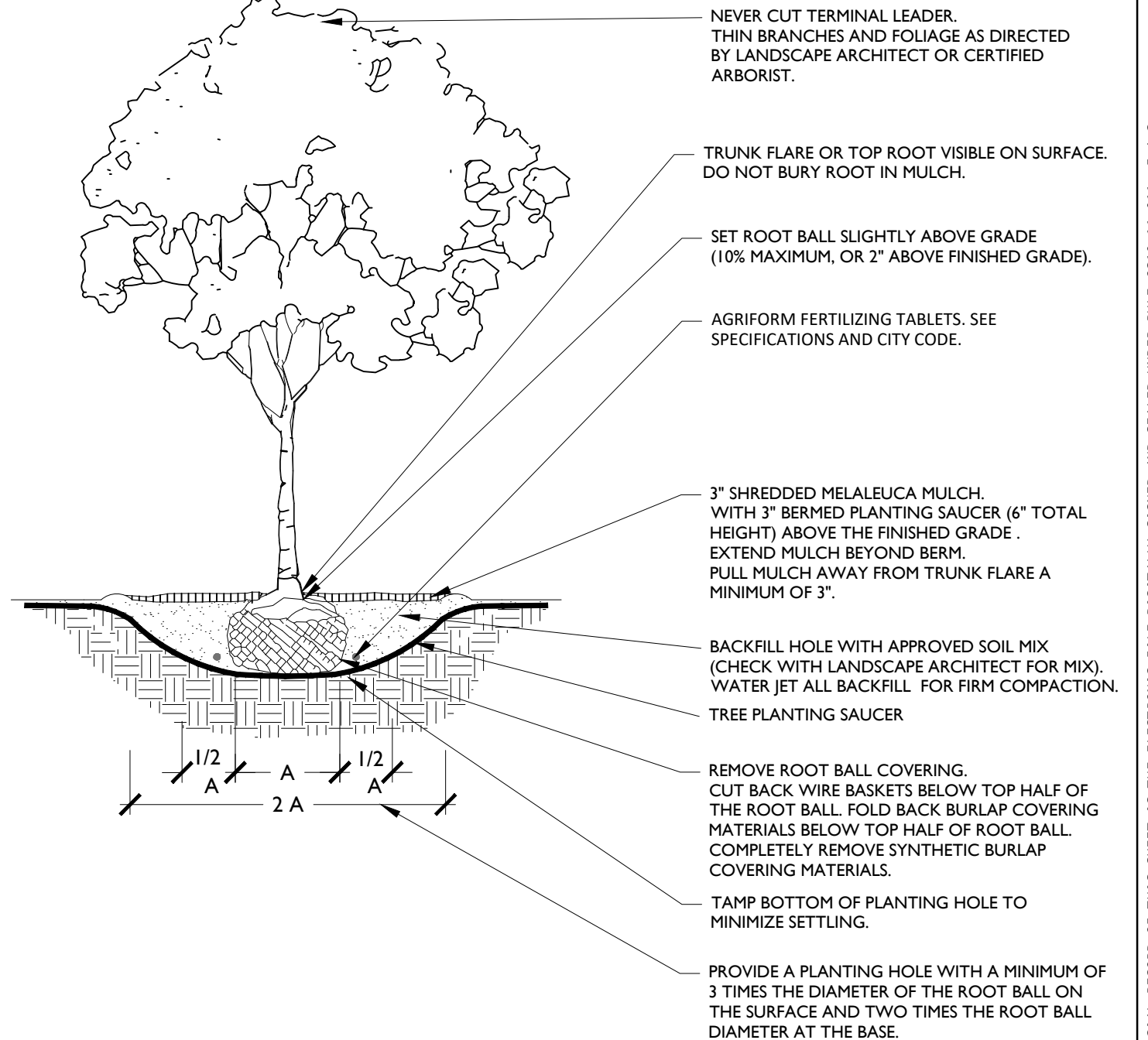
NOT TO SCALE



**2 PALM PLANTING**

NOT TO SCALE

NOTE:  
1. ALL TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS ESTABLISHED. TYPICALLY SIX MONTHS TO ONE YEAR AFTER PLANTING FOR SHADE TREES.



**3 TREE PLANTING**

NOT TO SCALE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE: <b>LANDSCAPE DETAILS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LP-501</b>

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**Landscape Planting - Part I. General**

**I. Description of Work**

- A. Provide all exterior planting as shown on the drawings or inferable therefrom and/or as specified in accordance with the requirements of the Contract Documents. Landscape plans provided indicate the proposed location of living plant material only. Structural elements and hardscape features indicated on the landscape plans are for information purposes only. Landscape plans are not to be utilized for staking and layout or location of any structural site features including but not limited to, buildings, signage, pathways, easements, utilities or roadways.
- B. These specifications include standards necessary for and incidental to the execution and completion of planting as indicated on the prepared drawings and specified herein.
- C. All applicable federal, state and local permits shall be attained prior to the removal, relocation, or installation of plant materials indicated within the plan documents.
- D. Protection of existing features. During construction, protect all existing trees, shrubs, and other specified vegetation, site features and improvements, structures, and utilities specified herein and/or on submitted drawings. Removal or destruction of existing plantings is prohibited unless specifically authorized by the owner, and with permit as required by associated federal, state and local government agencies.

**II. Applicable Standards**

- A. American National Standards for Tree Care Operations, ANSI A300. American National Standards Institute, 11 West 42nd Street, New York, N.Y. 10036.
- B. American Standard for Nursery Stock, ANSI Z60.1. American Nursery and Landscape Association, 1250 Eye Street. NW, Suite 500, Washington, D.C. 20005.
- C. Hortus Third, The Staff of the L.H. Bailey Hortorium, 1976. MacMillan Publishing Co., New York.
- D. Florida Department of Agriculture "Grades and Standards for Nursery Plants", most recent addition.
- E. National Arborist Association- Pruning Standards for Shade Trees
- F. All standards shall include the latest additions and amendments as of the date of advertisement for bids

**III. Qualifications**

- A. Landscape planting and related work shall be performed by a firm with a minimum of five years experience specializing in this type of work. All contractors and their sub-contractors who will be performing any landscape work included in this section of the specification shall be approved by the landscape architect.
- B. Landscape Contractor shall be licensed and shall carry any necessary insurance and shall protect the Landscape Architect and Owner against all liabilities, claims or demands for injuries or damage to any person or property growing out of the performance of the work under this contract. All workers shall be covered by Workman's Compensation Insurance.

**IV. Requirements of Regulatory Agencies**

- A. Certificates of inspection shall accompany the invoice for each shipment of plants as may be required by law for transportation. File certificates with the landscape architect prior to acceptance of the material. Inspection by federal or state authorities at place of growth does not preclude rejection of the plants at the site.

**V. Submittals**

- A. Manufacturer's Data: Submit copies of the manufacturer's and/or source data for all materials specified, including soils, soil amendments and fertilizer materials. Comply with regulations applicable to landscape materials.
- B. Samples: Submit samples of all topsoil, soil mixes, mulches, and organic materials. Samples shall weigh 1 kg (2 lb) and be packaged in plastic bags. Samples shall be typical of the lot of material to be delivered to the site and provide an accurate indication of color, texture, and organic makeup of the material.
- C. Nursery Sources: Submit a list of all nurseries that will supply plants, along with a list of the plants they will provide and the location of the nursery. For each species, submit a typical photo from the supplier's yard, taken with a ruler or yardstick showing the height and breadth of the plant.
- D. Soil Test: Submit soil test analysis report for each sample of topsoil and planting mix from a soil testing laboratory approved by the landscape architect.

- 1. Provide a particle size analysis, including the following gradient of mineral content:

USDA Designation	Size in mm
Gravel	+2 mm
Very Course Sand	1-2 mm
Coarse Sand	0.5-1 mm
Medium Sand	0.25-0.5 mm
Fine Sand	0.1-0.25 mm
Very fine sand	0.05-0.1 mm
Silt	0.002-0.05 mm
Clay	smaller than 0.002

- 2. Provide a chemical analysis, including the following:
  - a. pH and buffer pH
  - b. Percentage of organic content by oven-dried weight.
  - c. Nutrient levels by parts per million, including phosphorus, potassium magnesium, manganese, iron, zinc, and calcium. Nutrient test shall include the testing laboratory recommendations for supplemental additions to the soil based on the requirements of horticultural plants.
  - d. Soluble salt by electrical conductivity of a 1:2, soil: water, sample measured in millimho per cm.
  - e. Cation exchange capacity (CEC).

- E. Material Testing: Submit the manufacturers particle size analysis, and the pH analysis and provide a description and source location for the content material of all organic materials.
- F. Maintenance Instructions: Prior to the end of maintenance period, Landscape Contractor shall furnish three copies of written maintenance instructions to the Landscape Architect for transmittal to the Owner for maintenance and care of installed plants through their full growing season.


**VI. Utility Verification**

- A. The contractor shall contact the local utility companies for verification of the location of all underground utility lines in the area of the work. The contractor shall be responsible for all damage resulting from neglect or failure to comply with this requirement.

**Part 2. Materials**

**I. Plants**

- A. Plants shall be true to species and variety specified and nursery-grown in accordance with good horticultural practices under climatic conditions similar to those in the locality of the project for at least two years. They shall have been freshly dug.
  - 1. All plant names and descriptions shall be as defined in Hortus Third.
  - 2. All plants shall be grown and harvested in accordance with the American Standard for Nursery Stock and Florida Department of Agriculture Grades and Standards for Nursery Plants.
  - 3. Unless approved by the landscape architect, plants shall have been grown at a latitude not more than 325 km (200 miles) north or south of the latitude of the project unless the provenance of the plant can be documented to be compatible with the latitude and cold hardiness zone of the planting location.
- B. Unless specifically noted, all plants shall be exceptionally heavy, symmetrical, and so trained or favored in development and appearance as to be unquestionably and outstandingly superior in form, compactness, and symmetry. They shall be sound, healthy, vigorous, well branched, and densely foliated when in leaf; free of disease and insects, eggs, or larvae; and shall have healthy, well-developed root systems. They shall be free from physical damage or other conditions that would prevent vigorous growth.
  - 1. Trees with multiple leaders, unless specified, will be rejected. Trees with a damaged or crooked leader, bark abrasions, sunscald, disfiguring knots, insect damage, or cuts of limbs over 20 mm (3/4 in.) in diameter that are not completely closed will be rejected.
- C. Plants shall conform to the measurements specified, except that plants larger than those specified may be used if approved by the landscape architect. Use of larger plants shall not increase the contract price. If larger plants are approved, the root ball shall be increased in proportion to the size of the plant.
  - 1. Caliper measurements shall be taken on the trunk 150 mm (6 in.) above the natural ground line for trees up to and including 100 mm (4 in.) in caliper, and 300 mm (12 in.) above the natural ground line for trees over 100 mm (4 in.) in caliper. Height and spread dimensions specified refer to the main body of the plant and not from branch tip to branch tip. Plants shall be measured when branches are in their normal position. If a range of sizes is given, no plant shall be less than the minimum size, and no less than 50 percent of the plants shall be as large as the maximum size specified. Measurements specified are minimum sizes acceptable after pruning, where pruning is required. Plants that meet measurements but do not possess a standard relationship between height and spread, according to the Florida Department of Agriculture Grades and Standards for Nursery Plants, shall be rejected.
- D. Substitutions of plant materials will not be permitted unless authorized in writing by the landscape architect. If proof is submitted in writing that a plant specified is not obtainable, consideration will be given to the nearest available size or similar variety, with a corresponding adjustment of the contract price.
- E. The plant schedule provided at the end of this section, or on the drawing, is for the contractor's information only, and no guarantee is expressed or implied that quantities therein are correct or that the list is complete. The contractor shall ensure that all plant materials shown on the drawings are included in his or her bid.
- F. All plants shall be labeled by plant name. Labels shall be attached securely to all plants, bundles, and containers of plant materials when delivered. Plant labels shall be durable and legible, with information given in weather-resistant ink or embossed process lettering.
- G. Selection and Tagging
  - 1. Plants shall be subject to inspection for conformity to specification requirements and approval by the landscape architect at their place of growth and upon delivery. Such approval shall not impair the right of inspection and rejection during progress of the work.
  - 2. A written request for the inspection of plant material at their place of growth shall be submitted to the landscape architect at least ten calendar days prior to digging. This request shall state the place of growth and the quantity of plants to be inspected. The landscape architect may refuse inspection at this time if, in his or her judgment, sufficient quantities of plants are not available for inspection or landscape architect deems inspection is not required.
- H. Anti-Desiccants
  - 1. Anti-desiccants, if specified, are to be applied to plants in full leaf immediately before digging or as required by the landscape architect. Anti-desiccants are to be sprayed so that all leaves and branches are covered with a continuous protective film.
- I. Balled and Burlapped (B&B) Plant Materials
  - 1. Trees designated B&B shall be properly dug with firm, natural balls of soil retaining as many fibrous roots as possible, in sizes and shapes as specified in the Florida Department of Agriculture Grades and Standards for Nursery Plants. Balls shall be firmly wrapped with synthetic, natural, or treated burlap, and/or wire. All synthetic fabric should be removed from the rootball prior to planting. True biodegradable burlap can be left around the root ball. The root collar shall be apparent at surface of ball. Trees with loose, broken, processed, or manufactured root balls will not be accepted, except with special written approval before planting.
- J. Container Plants
  - 1. Plants grown in containers shall be of appropriate size for the container as specified in the most recent edition of the Florida Department of Agriculture Grades and Standards for Nursery Plants and be free of circling roots on the exterior and interior of the root ball.
  - 2. Container plants shall have been grown in the container long enough to have established roots throughout the growing medium.
- K. Bareroot and Collected Plants
  - 1. Plants designated as bareroot or collected plants shall conform to the American Standard for Nursery Stock.
  - 2. Bareroot material shall not be dug or installed after bud break or before dormancy.
  - 3. Collected plant material that has not been taken from active nursery operations shall be dug with a root ball spread at least 1/3 greater than nursery grown plants. When specified or approved, shall be in good health, free from disease, insect or weed infestation and shall not be planted before inspection and acceptance at the site. Testing may be required at the discretion of the Landscape Architect and/or the Owner and shall be provided at no additional cost.
- L. Specimen Material: Plant material specified as specimens are to be approved by the Landscape Architect before being brought to the site. Unless otherwise noted on the drawings, these plants shall be Florida Fancy.

REVISIONS						ANGELA BIAGI L.A. NO. 6666787 WGI, INC. 2035 VISTA PARKWAY WEST PALM BEACH, FL 33411	 PREPARED FOR CITY OF GREEN COVE SPRINGS	SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			LANDSCAPE NOTES	
							PROJECT NAME: WALNUT STREET	SHEET NO. LP-502	

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**Part 2. Materials (continued)**

**M.Palms**

1. Coconut Palms shall be grown from a certified seed.
2. All palm species except Sabal palmetto shall have roots adequately wrapped before transporting.
3. Sabal palms shall have a hurricane cut. Sabal palms shall be installed on site at the earliest opportunity in the construction process.
4. For booted trunk palms, trunks shall have clean intact boots firmly attached to the palm trunk. For slick trunk palms, trunk shall be clear and free from defect and scars.
5. The Contractor shall treat all palms as required to prevent infestation by the palmetto weevil.

**N.Sod**

1. Sod shall be graded #1 or better. Sod shall be loam or muck grown with a firm, full texture and good root development. Sod shall be thick, healthy and free from defects and debris including but not limited to dead thatch, insects, fungus, diseases and contamination by weeds, other grass varieties or objectionable plant material.
2. Sod shall be sufficiently thick to insure a dense stand of live grass. Sod shall be live, fresh, and uninjured at the time of planting. Plant sod within 48 hours after harvesting.
3. Sod area shall be all areas not otherwise identified and shall include the area beyond the property line to the edge of pavement and/or edge of water.

**O.** Immediately after harvesting plants, protect from drying and damage until shipped and delivered to the planting site. Rootballs shall be checked regularly and watered sufficiently to maintain root viability.

**P. Transportation and Storage of Plant Material**

1. Branches shall be tied with rope or twine only, and in such a manner that no damage will occur to the bark or branches.
2. During transportation of plant material, the contractor shall exercise care to prevent injury and drying out of the trees. Should the roots be dried out, large branches broken, balls of earth broken or loosened, or areas of bark torn, the landscape architect may reject the injured tree(s) and order them replaced at no additional cost to the owner. All loads of plants shall be covered at all times with tarpaulin or canvas. Loads that are not protected will be rejected.
3. All bareroot stock sent from the storage facility shall be adequately covered with wet soil, sawdust, woodchips, moss, peat, straw, hay, or other acceptable moisture-holding medium, and shall be covered with a tarpaulin or canvas. Loads that are not protected in the above manner may be rejected.
4. Plants must be protected at all times from sun or drying winds. Those that cannot be planted immediately on delivery shall be kept in the shade, well protected with soil, wet mulch, or other acceptable material, and kept well watered. Plants shall not remain unplanted any longer than three days after delivery. Plants shall not be bound with wire or rope at any time so as to damage the bark or break branches. Plants shall be lifted and handled with suitable support of the soil ball to avoid damaging it.

**Q. Mechanized Tree Spade Requirements**

Trees may be moved and planted with an approved mechanical tree spade. The tree spade shall move trees limited to the maximum size allowed for a similar B&B root-ball diameter according to the American Standard for Nursery Stock or the manufacturer's maximum size recommendation for the tree spade being used, whichever is smaller. The machine shall be approved by the landscape architect prior to use. Trees shall be planted at the designated locations in the manner shown in the plans and in accordance with applicable sections of the specifications.

**II. Materials for Planting**

- A. Mulch:** Except as otherwise specified, mulch shall be shredded Melaleuca. It shall not contain more than 10% bark (by volume). Shreds and chips shall not be larger than 3/4" diameter and 1 1/2" in length. Mulch shall be free of weeds, seeds, and any other organic or inorganic material other than Texas hardwood and bark. It shall not contain stones or other foreign material that will prevent its eventual decay. This shall be applied to all planted areas where indicated so that, after installation, the mulch thickness will not be less than 3". Submit sample for approval.  
Cypress Mulch: Shall not be used.
- B. Gravel Mulch:** Use only where specifically indicated on the plans of the size and type shown. Unless otherwise specified it shall be water-worn, hard durable gravel, washed free of loam, sand, clay and other foreign substances. It shall be a minimum of 3" deep and shall be contained with edging or other approved gravel stop as indicated on the plans. It shall be a maximum of 1 1/2", a minimum of 3/4" and of a readily-available natural gravel color range. Provide geotextile filter fabric below aggregate rock. Submit sample for approval.
- C. Root Barrier:** Where specified, root barriers shall be installed on all tree and palm material in accordance with the root barrier detail provided within the plan drawings.  
Root barriers shall comply with all requirements of the municipality within which they are located as well as with any utility holder requirements of any affected utilities. In the event that conflicting requirements exist between the root barrier detail provided within the plan documents and the municipality/utility holder requirements, the more stringent of the requirements shall be applicable.
- D. Planter Edging:** Use only where specifically indicated on plans. Edging shall be the color black.
- E. Anti-desiccant:** shall be an emulsion specifically manufactured for agricultural use, which provides a protective film over plant surfaces. Anti-desiccants shall be delivered in containers of the manufacturer and shall be mixed according to the manufacturer's directions. Submit manufacturer literature for approval.

**III. Materials for Soil Amendment**

- A. Pine Bark:** Horticultural-grade milled pine bark, with 80 percent of the material by volume sized between 0.1 and 15.0 mm.  
1. Pine bark shall be aged sufficiently to break down all woody material. Pine bark shall be screened.  
2. pH shall range between 4 and 7.0.  
3. Submit manufacturer literature for approval.
- B. Organic Matter:** Leaf matter and yard waste composted sufficiently to break down all woody fibers, seeds, and leaf structures, and free of toxic and nonorganic matter.  
Organic matter shall be commercially prepared compost. Submit 0.5 kg (1 lb) sample and suppliers literature for approval.
- C. Course Sand:** Course concrete sand, ASTM C-33 Fine Aggregate, with a Fines Modulus Index of 2.75 or greater.  
1. Sands shall be clean, sharp, natural sands free of limestone, shale and slate particles.  
2. Provide the following particle size distribution:

Sieve	Percentage Passing
3/8 in (9.5 mm)	100
No. 4 (4.75 mm)	95-100
No. 8 (2.36 mm)	80-100
No. 16 (1.18 mm)	50-85
No. 30 (0.60 mm)	25-60
No. 50 (0.30 mm)	10-30
No. 100 (0.15 mm)	2-10

- D. Lime:** shall be ground, palletized, or pulverized lime manufactured to meet agricultural standards and contain a maximum of 60 percent oxide (i.e. calcium oxide plus magnesium oxide). Submit manufacturer literature for approval.
- E. Sulfur:** shall be flowers of sulfur, pelletized or granular sulfur, or iron sulfate. Submit manufacturer literature for approval.
- F. Fertilizer:** Agricultural fertilizer of a formula indicated by the soil test. Fertilizers shall be organic, slow-release compositions whenever applicable. Submit manufacturer literature for approval.

**IV. Planting Mix**

**A. Planting Mix**

1. Planting Mix for Trees, Shrubs, Groundcovers and vines: Check with landscape architect for appropriate mixture.
2. Planting Mix for Palms: Mixture of course sand and peat mixed to the following proportion:

Component	Percent by Volume
Coarse Sand	50%
Peat	50%

- B.** Planting mix shall be thoroughly mixed, screened, and shredded.
- C.** Prior to beginning the mixing process, submit a 1-kg (2-lb) sample of the proposed mix with soil test results that indicate the mix ratio and the results achieved.
- D.** During the mixing process but prior to installing the mix, submit a 1-kg (2-lb) sample for each 200 cubic meters (250 cubic yards) of planting mix, taken randomly from the finished soil mix, with soil test results for approval. In the event that the test results do not meet the required particle size distribution, remix and resubmit a revised planting mix.
- E.** Make all amendments of lime/sulfur and fertilizer indicated by the soil test results at the time of mixing.
- F.** All mixing shall take place in the contractors yard, using commercial mixing equipment sufficient to thoroughly mix all components uniformly
- G.** Protect the planting mix from erosion prior to installation.

**REVISIONS**

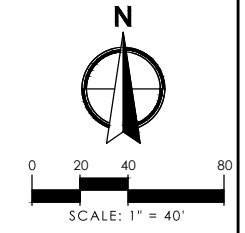
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

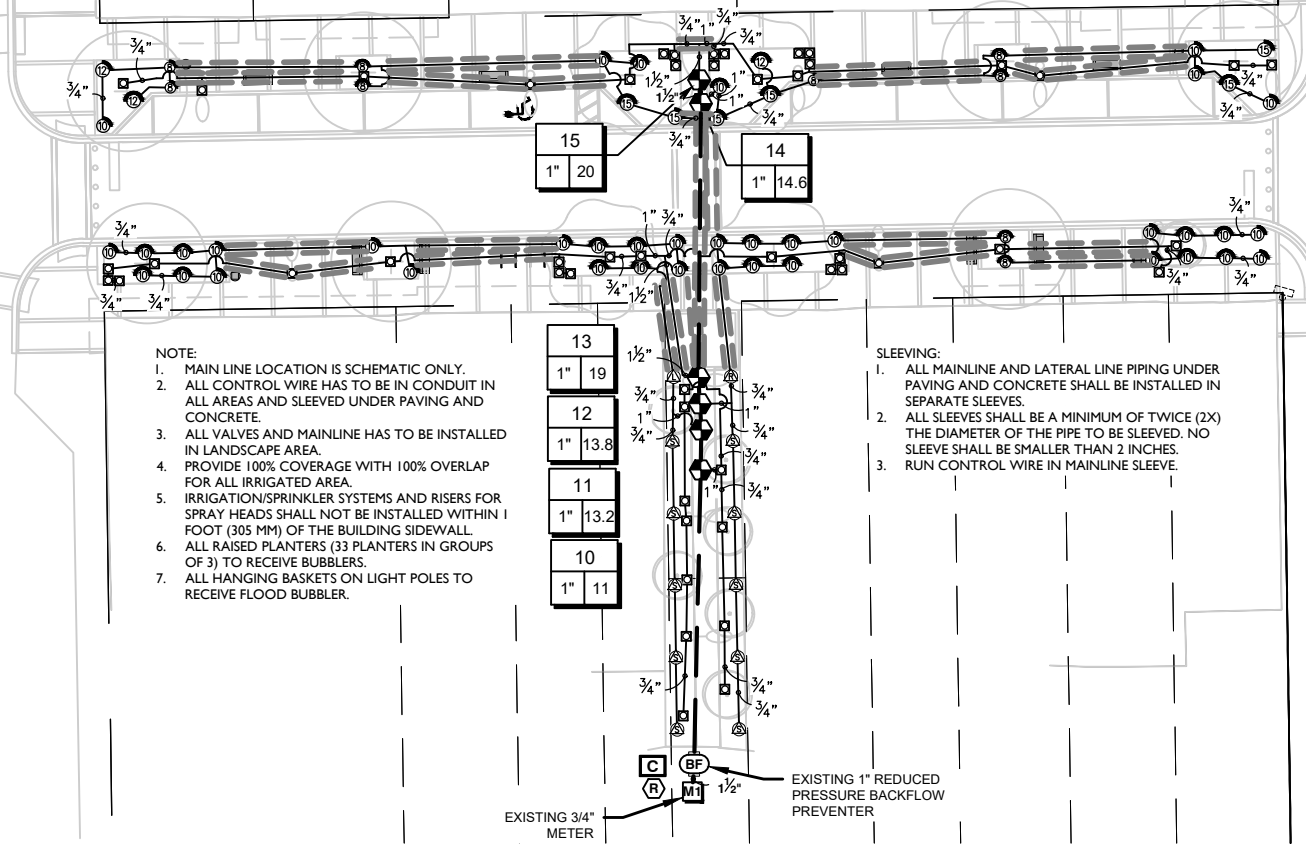
SHEET TITLE: <b>LANDSCAPE NOTES</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>LP-503</b>



PALMETTO AVE.

N ORANGE AVE.

MATCHLINE 13+50.00



NOTE:

1. MAIN LINE LOCATION IS SCHEMATIC ONLY.
2. ALL CONTROL WIRE HAS TO BE IN CONDUIT IN ALL AREAS AND SLEEVED UNDER PAVING AND CONCRETE.
3. ALL VALVES AND MAINLINE HAS TO BE INSTALLED IN LANDSCAPE AREA.
4. PROVIDE 100% COVERAGE WITH 100% OVERLAP FOR ALL IRRIGATED AREA.
5. IRRIGATION/SPRINKLER SYSTEMS AND RISERS FOR SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1 FOOT (305 MM) OF THE BUILDING SIDEWALL.
6. ALL RAISED PLANTERS (33 PLANTERS IN GROUPS OF 3) TO RECEIVE BUBBLERS.
7. ALL HANGING BASKETS ON LIGHT POLES TO RECEIVE FLOOD BUBBLER.

SLEEVING:

1. ALL MAINLINE AND LATERAL LINE PIPING UNDER PAVING AND CONCRETE SHALL BE INSTALLED IN SEPARATE SLEEVES.
2. ALL SLEEVES SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. NO SLEEVE SHALL BE SMALLER THAN 2 INCHES.
3. RUN CONTROL WIRE IN MAINLINE SLEEVE.

EXISTING 3/4" METER  
 C R M  
 BF  
 1 1/2"  
 EXISTING 1" REDUCED PRESSURE BACKFLOW PREVENTER

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
 L.A. NO. 6666787  
 WGI, INC.  
 2035 VISTA PARKWAY  
 WEST PALM BEACH, FL 33411

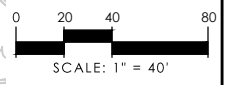


PREPARED FOR  
 CITY OF  
 GREEN COVE SPRINGS

SHEET TITLE:	IRRIGATION PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	IP-100

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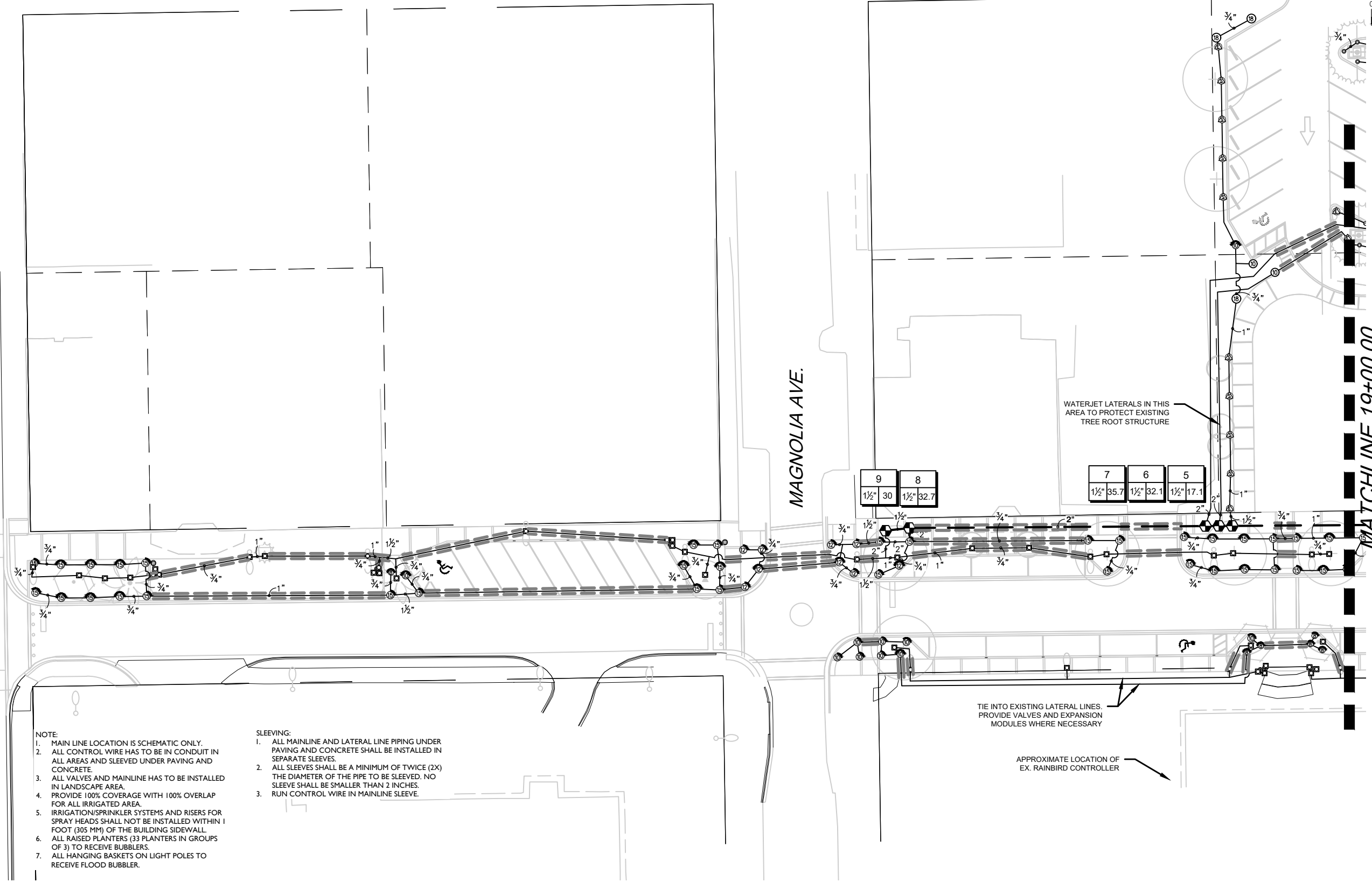


MATCHLINE 13+50.00

N ORANGE AVE.

MAGNOLIA AVE.

MATCHLINE 19+00.00



**NOTE:**

1. MAIN LINE LOCATION IS SCHEMATIC ONLY.
2. ALL CONTROL WIRE HAS TO BE IN CONDUIT IN ALL AREAS AND SLEEVED UNDER PAVING AND CONCRETE.
3. ALL VALVES AND MAINLINE HAS TO BE INSTALLED IN LANDSCAPE AREA.
4. PROVIDE 100% COVERAGE WITH 100% OVERLAP FOR ALL IRRIGATED AREA.
5. IRRIGATION/SPRINKLER SYSTEMS AND RISERS FOR SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1 FOOT (305 MM) OF THE BUILDING SIDEWALL.
6. ALL RAISED PLANTERS (33 PLANTERS IN GROUPS OF 3) TO RECEIVE BUBBLERS.
7. ALL HANGING BASKETS ON LIGHT POLES TO RECEIVE FLOOD BUBBLER.

**SLEEVING:**

1. ALL MAINLINE AND LATERAL LINE PIPING UNDER PAVING AND CONCRETE SHALL BE INSTALLED IN SEPARATE SLEEVES.
2. ALL SLEEVES SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. NO SLEEVE SHALL BE SMALLER THAN 2 INCHES.
3. RUN CONTROL WIRE IN MAINLINE SLEEVE.

WATERJET LATERALS IN THIS AREA TO PROTECT EXISTING TREE ROOT STRUCTURE

TIE INTO EXISTING LATERAL LINES. PROVIDE VALVES AND EXPANSION MODULES WHERE NECESSARY

APPROXIMATE LOCATION OF EX. RAINBIRD CONTROLLER

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

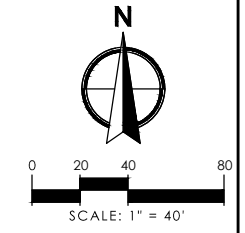
ANGELA BIAGI  
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2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



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CITY OF  
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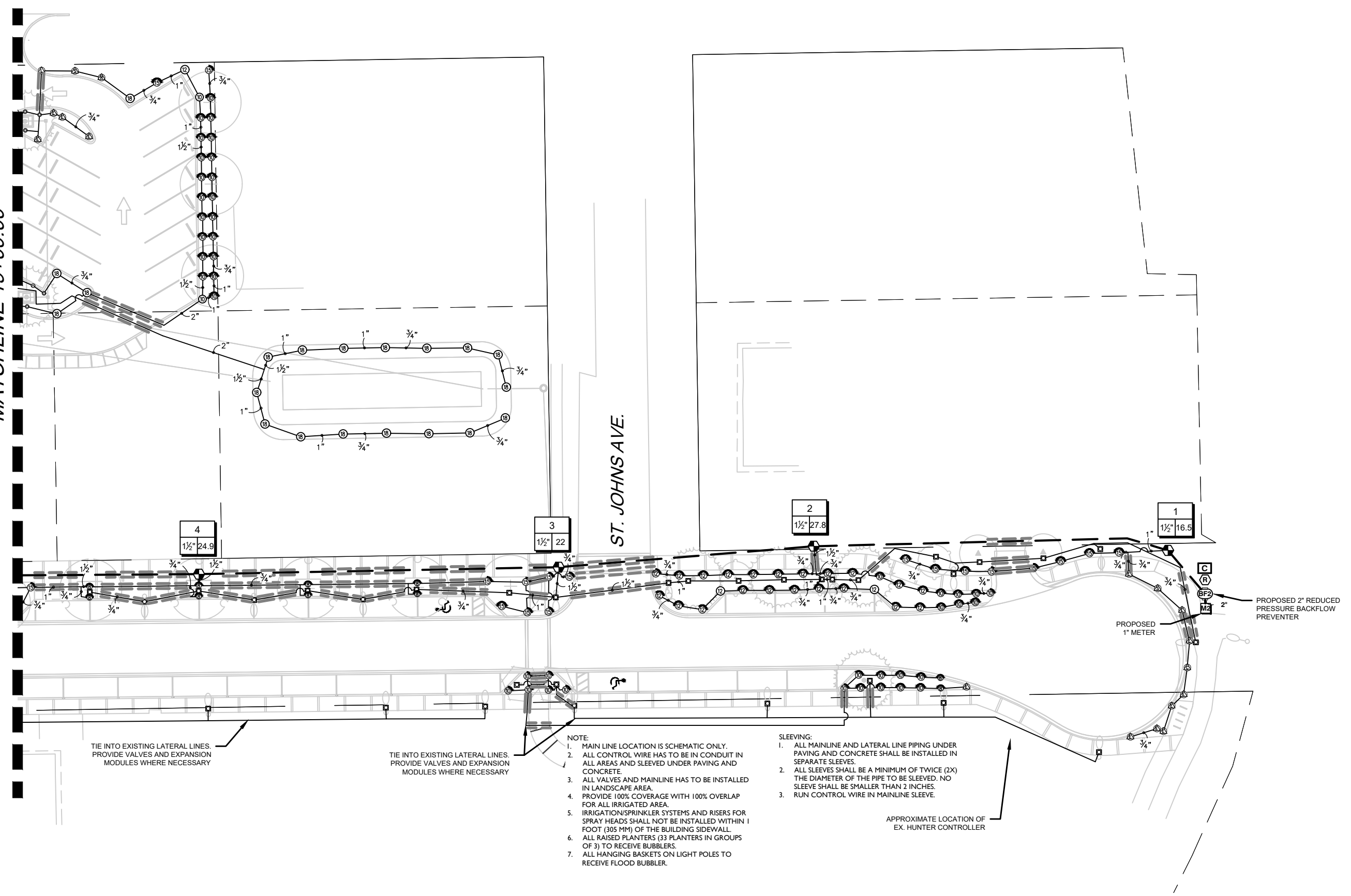
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PROJECT NAME:	WALNUT STREET	SHEET NO.	IP-101

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MATCHLINE 19+00.00

ST. JOHNS AVE.



TIE INTO EXISTING LATERAL LINES. PROVIDE VALVES AND EXPANSION MODULES WHERE NECESSARY

TIE INTO EXISTING LATERAL LINES. PROVIDE VALVES AND EXPANSION MODULES WHERE NECESSARY

- NOTE:
1. MAIN LINE LOCATION IS SCHEMATIC ONLY.
  2. ALL CONTROL WIRE HAS TO BE IN CONDUIT IN ALL AREAS AND SLEEVED UNDER PAVING AND CONCRETE.
  3. ALL VALVES AND MAINLINE HAS TO BE INSTALLED IN LANDSCAPE AREA.
  4. PROVIDE 100% COVERAGE WITH 100% OVERLAP FOR ALL IRRIGATED AREA.
  5. IRRIGATION/SPRINKLER SYSTEMS AND RISERS FOR SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1 FOOT (305 MM) OF THE BUILDING SIDEWALL.
  6. ALL RAISED PLANTERS (33 PLANTERS IN GROUPS OF 3) TO RECEIVE BUBBLERS.
  7. ALL HANGING BASKETS ON LIGHT POLES TO RECEIVE FLOOD BUBBLER.

- SLEEVING:
1. ALL MAINLINE AND LATERAL LINE PIPING UNDER PAVING AND CONCRETE SHALL BE INSTALLED IN SEPARATE SLEEVES.
  2. ALL SLEEVES SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. NO SLEEVE SHALL BE SMALLER THAN 2 INCHES.
  3. RUN CONTROL WIRE IN MAINLINE SLEEVE.

APPROXIMATE LOCATION OF EX. HUNTER CONTROLLER

PROPOSED 1" METER

PROPOSED 2" REDUCED PRESSURE BACKFLOW PREVENTER

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

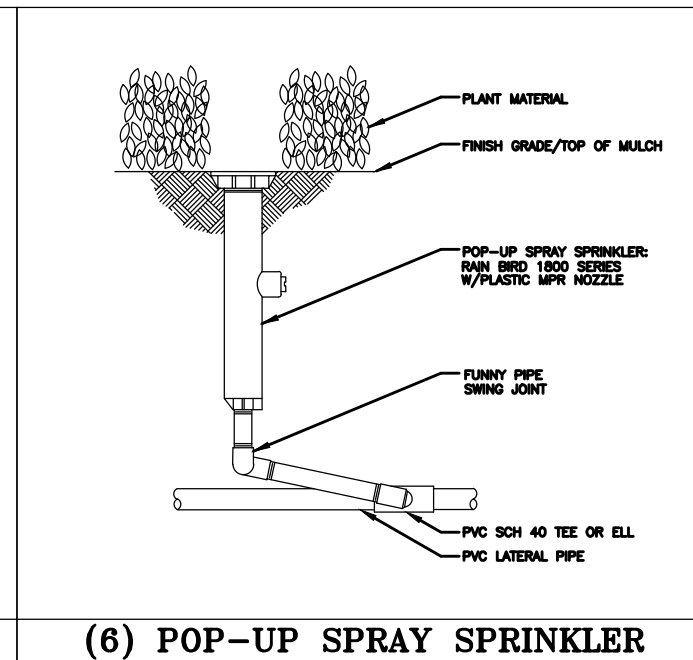
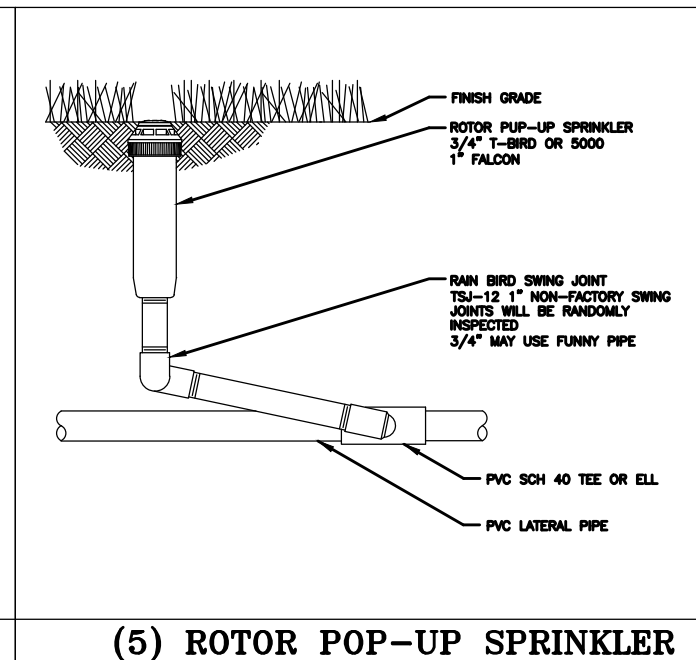
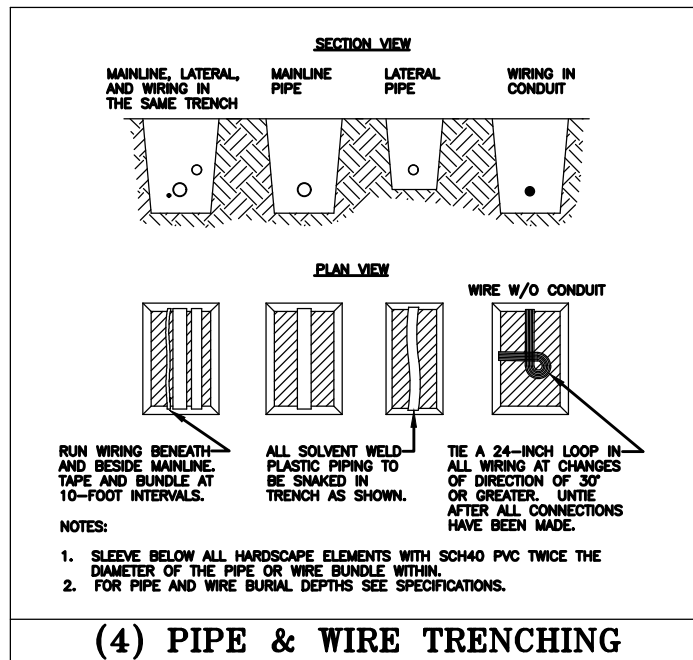
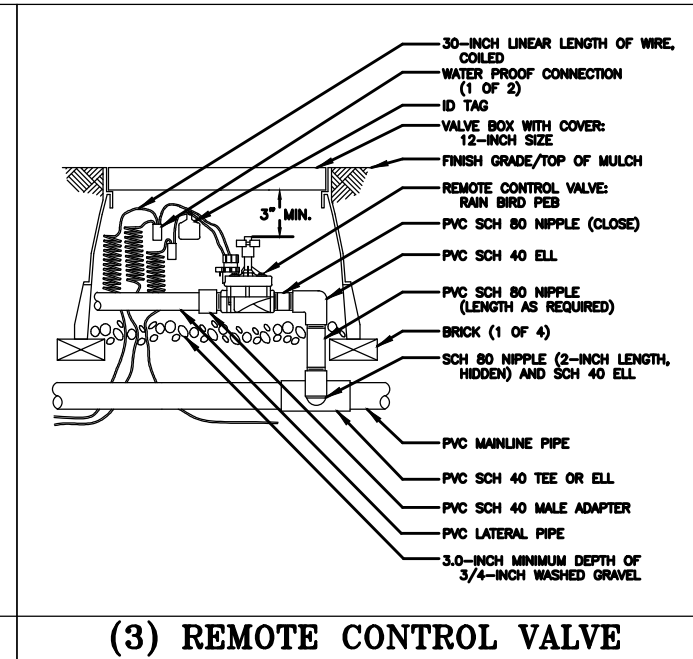
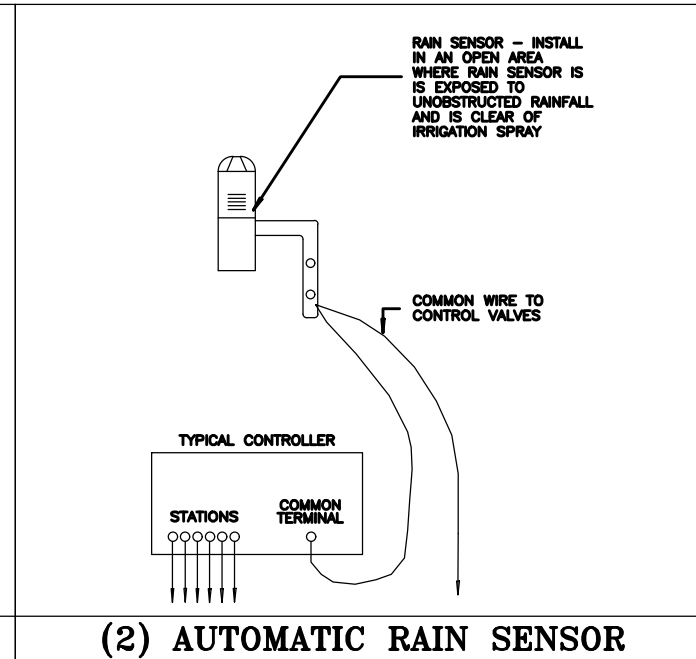
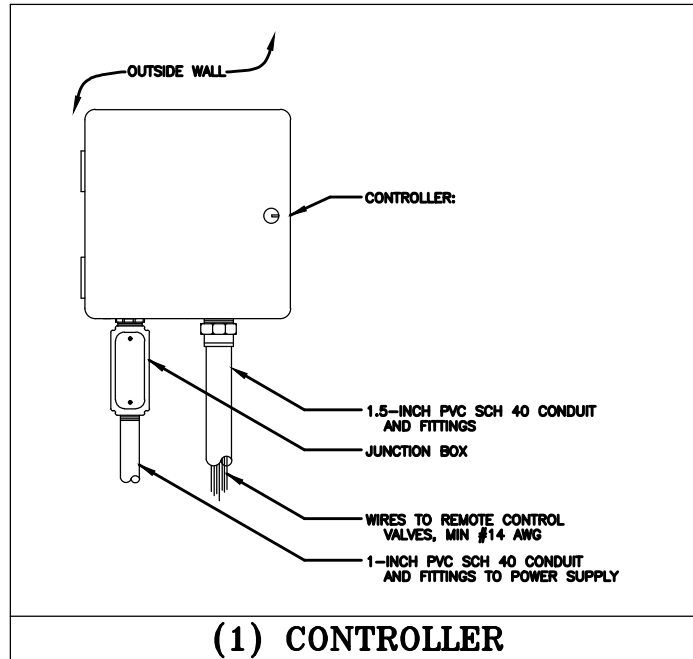
ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE:	IRRIGATION PLANS	REF. DWG. NO.	
PROJECT NAME:	WALNUT STREET	SHEET NO.	IP-102

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



- CONTRACTOR MUST COMPLY WITH FLORIDA BUILDING CODE AMENDED APPENDIX F:
- NO PRODUCT SUBSTITUTIONS OR CHANGES WILL BE ALLOWED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE OWNER AND THE IRRIGATION CONSULTANT.
- GENERAL NOTES
- All mainline, lateral line and control wire conduit under paving shall be installed in separate sleeves. Sleeves shall be a minimum of twice (2X) the diameter of the pipe to be sleeved.
  - Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
  - Install all backflow prevention devices and all piping between the point of connection and the backflow preventer as per local codes.
  - Final location of the backflow preventer and automatic controller shall be approved by the owner's authorized representative.
  - 120 VAC electrical power source at controller location shall be provided by others. The electrical contractor shall make the final connection from the electrical source to the controller.
  - All sprinkler heads shall be set perpendicular to finish grade unless otherwise specified.
  - The irrigation contractor shall flush and adjust all sprinkler heads and valves for optimum spray with minimal overspray onto walks, streets, walls, etc.
  - This design is diagrammatic. All piping, valves, etc., shown within paved areas is for design clarification only and shall be installed in planting areas wherever possible. The contractor shall locate all valves in shrub areas where possible.
  - It is the responsibility of the irrigation contractor to familiarize himself with all grade differences, location of walls, retaining walls, structures and utilities. The irrigation contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves through walls, under roadways and paving, etc.
  - Do not willingly install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the owner's authorized representative. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.
  - All sprinkler equipment not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
  - The irrigation contractor shall install check valves on all heads in areas where finish grade exceeds 4:1, where post valve shut-off draining, of the irrigation head occurs or as directed by the owner's authorized representative.
  - The contractor shall provide 1800 PCS (pressure compensating screens) as necessary to reduce or eliminate overspray onto streets, walks or other areas as directed by the owner's authorized representative.
  - All remote control valves, gate valves, quick couplers, control wire and computer cable pull points shall be installed in approved valves boxes with covers. All shall be marked indicating controller and station numbers for control valve boxes and/or titled in the equipment legend with 1" white heat braided letters.
  - All control wires shall be installed in PVC conduit, min #14 AWG.
  - Installer is required to conduct final testing and adjustment to achieve design specification prior to completion of the system and acceptance by the owner or owner's representative.
  - Contractor to provide owner with post construction documentation, including as-built drawings, recommended maintenance schedules and activities, operational schedule, design precipitation rates, system adjusting methods for decreasing water once landscape is established, water source and shutoff method and all operational guides for controller.
  - A map of the system shall be kept in a readily available location with details for operation.
  - If the water supply for irrigation system is a well water, a constant pressure flow control device of pressure tank is required to minimize pump "cycling".
  - Check valves must be installed at irrigation heads as needed to prevent low head drainage and puddling.
  - Nozzle precipitation rates for all heads within each valve circuit must be matched to within 20% of one another.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411

PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE:  
IRRIGATION NOTES AND DETAILS

PROJECT NAME:  
WALNUT STREET

REF. DWG. NO.  
SHEET NO.  
IP-500

Depth of coverage per Florida Building Code amended appendix F

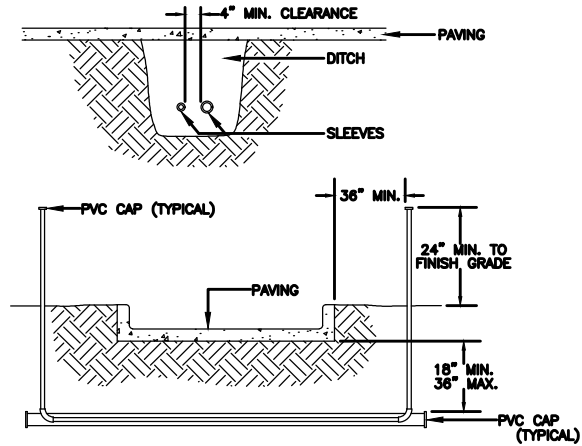
FOR NONTRAFFIC AND NONCULTIVATED AREAS:

Pipe Diameter	Minimum depth of Cover
1/2" through 1 1/4"	6" - 12"
1 1/2" through 2"	12" - 18"
2 1/2" through 3"	18" - 24"
6" and larger	24" - 36"

FOR VEHICLE TRAFFIC AREAS:

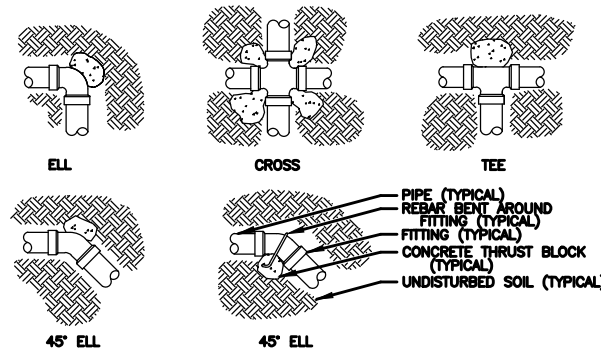
Pipe Diameter	Minimum depth of Cover
1/2" through 2 1/2"	18" - 24"
3" through 5"	24" - 30"
6" and larger	30" - 36"

**(7) DEPTH OF COVERAGE**



- NOTES:**
1. ALL PVC IRRIGATION SLEEVES TO BE SCH40 PIPE.
  2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
  3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
  4. MECHANICALLY TAMP TO 95% PROCTOR.

**(8) SLEEVING**



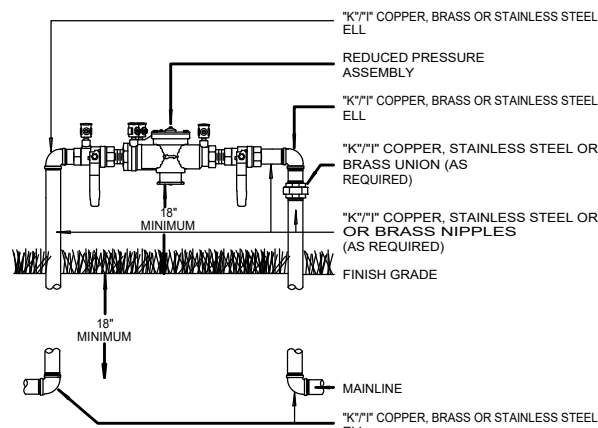
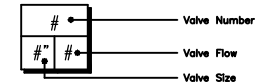
- NOTES:**
1. SUPPLY LINES 3-INCHES IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS.
  2. SEE SPECIFICATIONS FOR AMOUNT OF CONCRETE TO BE USED FOR THRUST BLOCK.

**(9) THRUST BLOCKS**

**IRRIGATION SCHEDULE**

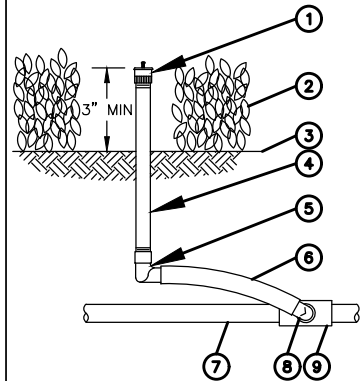
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
20 2H 2F 4Q 4H 4F	Rain Bird 1812 SQ Series Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	8
EST LCS RCS CST SST	Rain Bird 1812 15 Strip Series Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	42
Q T H F	Rain Bird 1812 8 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	25
Q T H F	Rain Bird 1812 10 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	91
Q T H TQ F	Rain Bird 1812 12 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	33
Q T H TQ F	Rain Bird 1812 15 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	61
4 6 18 4V 6V 18V	Rain Bird 1812 ADJ Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	23
8 08HE-WAN 12HE-WAN 10HE-WAN 15HE-WAN	Rain Bird 1812 HE-VAN Series Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	7
1401 1402 1404 1408	Rain Bird 1812-1400 Flood 1401 Flood Bubbler 12.0" pop-up.	125
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird PEB 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration.	15
BF	Watts U009 1" Existing Reduced Pressure Backflow Preventer	1
BF2	Watts U009 2" Reduced Pressure Backflow Preventer	1
C	Rain Bird ESP-TM2 12 Station Outdoor Smart Modular Control System for Residential and Light Commercial Use.	2
R	Rain Bird RSD-CeX Rain Sensing Device, conduit mount. With threaded adapter, extension wire.	2
M2	Water Meter 1"	1
M1	Water Meter 3/4" Existing	1
	Irrigation Lateral Line: PVC Class 160 SDR 26	6,844 l.f.
	Irrigation Mainline: PVC Schedule 40	821.0 l.f.
	Pipe Sleeve: PVC Schedule 40	2,211 l.f.

Valve Callout



**NOTE:**  
INSTALL PER MANUFACTURER'S RECOMMENDATIONS  
INSULATE AS REQUIRED

**(10) BACKFLOW BRP**



1. ADJUSTABLE FULL CIRCLE BUBBLER
2. PLANT MATERIAL
3. FINISH GRADE/TOP OF MULCH
4. UV RADIATION RESISTANT 1/2-INCH PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
5. 1/2-INCH FEMALE NPT x 0.490-INCH BARB ELBOW: RAIN BIRD MODEL SBFE-050
6. SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
7. PVC LATERAL PIPE
8. 1/2-INCH MALE NPT x 0.490-INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
9. SCH 40 TEE OR ELL

**(11) FULL CIRCLE BUBBLERS**

**WATERING SCHEDULE**

NUMBER	MODEL	TYPE	PRECIP	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	Rain Bird PEB	Shrub Spray	1.05 in/h	1	58	957	319
2	Rain Bird PEB	Shrub Spray	1.75 in/h	1	35	972	324
3	Rain Bird PEB	Bubbler	3.43 in/h	2	35	770	257
4	Rain Bird PEB	Shrub Spray	1.32 in/h	1	46	1,144	381
5	Rain Bird PEB	Shrub Spray	0.95 in/h	1	63	1,078	359
6	Rain Bird PEB	Shrub Spray	1.39 in/h	1	44	1,412	471
7	Rain Bird PEB	Shrub Spray	0.96 in/h	1	63	2,247	749
8	Rain Bird PEB	Shrub Spray	1.46 in/h	1	42	1,371	457
9	Rain Bird PEB	Bubbler	3.86 in/h	2	32	960	320
10	Rain Bird PEB	Bubbler	3.56 in/h	2	34	374	125
11	Rain Bird PEB	Shrub Spray	1.5 in/h	1	40	530	177
12	Rain Bird PEB	Shrub Spray	1.51 in/h	1	40	550	183
13	Rain Bird PEB	Bubbler	4.12 in/h	2	30	570	190
14	Rain Bird PEB	Shrub Spray	1.25 in/h	1	48	703	234
15	Rain Bird PEB	Bubbler	4.16 in/h	2	29	580	193
TOTALS:					639	14,217	4,739

**VALVE SCHEDULE**

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
1	Rain Bird PEB	1-1/2"	Shrub Spray	16.5	30.6	26.1	40.7	1.05 in/h
2	Rain Bird PEB	1-1/2"	Shrub Spray	27.76	174.0	24.7	43.4	1.75 in/h
3	Rain Bird PEB	1-1/2"	Bubbler	22	277.1	26.4	43.4	3.43 in/h
4	Rain Bird PEB	1-1/2"	Shrub Spray	24.86	422.0	26.9	45.9	1.32 in/h
5	Rain Bird PEB	1-1/2"	Shrub Spray	17.12	540.4	33.8	49.9	0.95 in/h
6	Rain Bird PEB	1-1/2"	Shrub Spray	32.09	545.6	26.6	50.5	1.39 in/h
7	Rain Bird PEB	1-1/2"	Shrub Spray	35.67	550.8	33.0	59.5	0.96 in/h
8	Rain Bird PEB	1-1/2"	Shrub Spray	32.65	665.2	27.5	52.9	1.46 in/h
9	Rain Bird PEB	1-1/2"	Bubbler	30	674.5	26.5	50.2	3.86 in/h
10	Rain Bird PEB	1"	Bubbler	11	75.7	23.0	37.5	3.56 in/h
11	Rain Bird PEB	1"	Shrub Spray	13.24	84.0	24.5	39.5	1.5 in/h
12	Rain Bird PEB	1"	Shrub Spray	13.75	89.5	24.7	39.8	1.51 in/h
13	Rain Bird PEB	1"	Bubbler	19	95.0	25.0	42.2	4.12 in/h
14	Rain Bird PEB	1"	Shrub Spray	14.64	152.1	23.7	39.5	1.25 in/h
15	Rain Bird PEB	1"	Bubbler	20	157.0	24.4	42.7	4.16 in/h
Common Wire					821.0			

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE:

**IRRIGATION NOTES AND DETAILS**

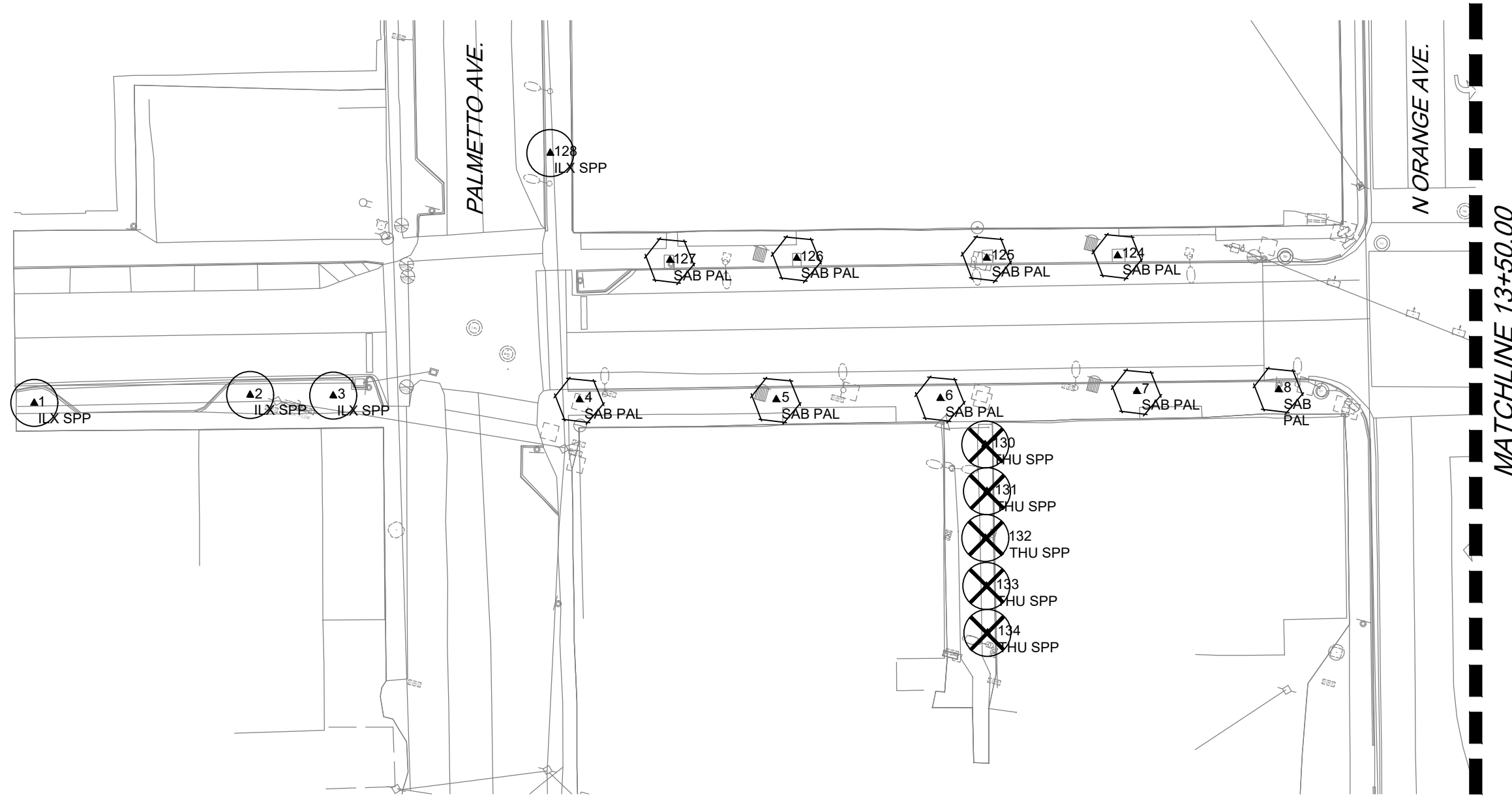
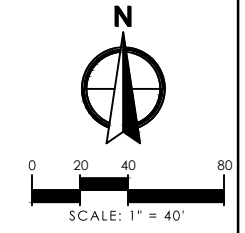
REF. DWG. NO.

PROJECT NAME:

**WALNUT STREET**

SHEET NO.

**IP-501**



LEGEND	
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE RELOCATED
	EXISTING TREE TO REMOVE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 L.A. NO. 6666787  
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 2035 VISTA PARKWAY  
 WEST PALM BEACH, FL 33411

PREPARED FOR  

 CITY OF  
 GREEN COVE SPRINGS

SHEET TITLE:  
**TREE DISPOSITION PLANS**

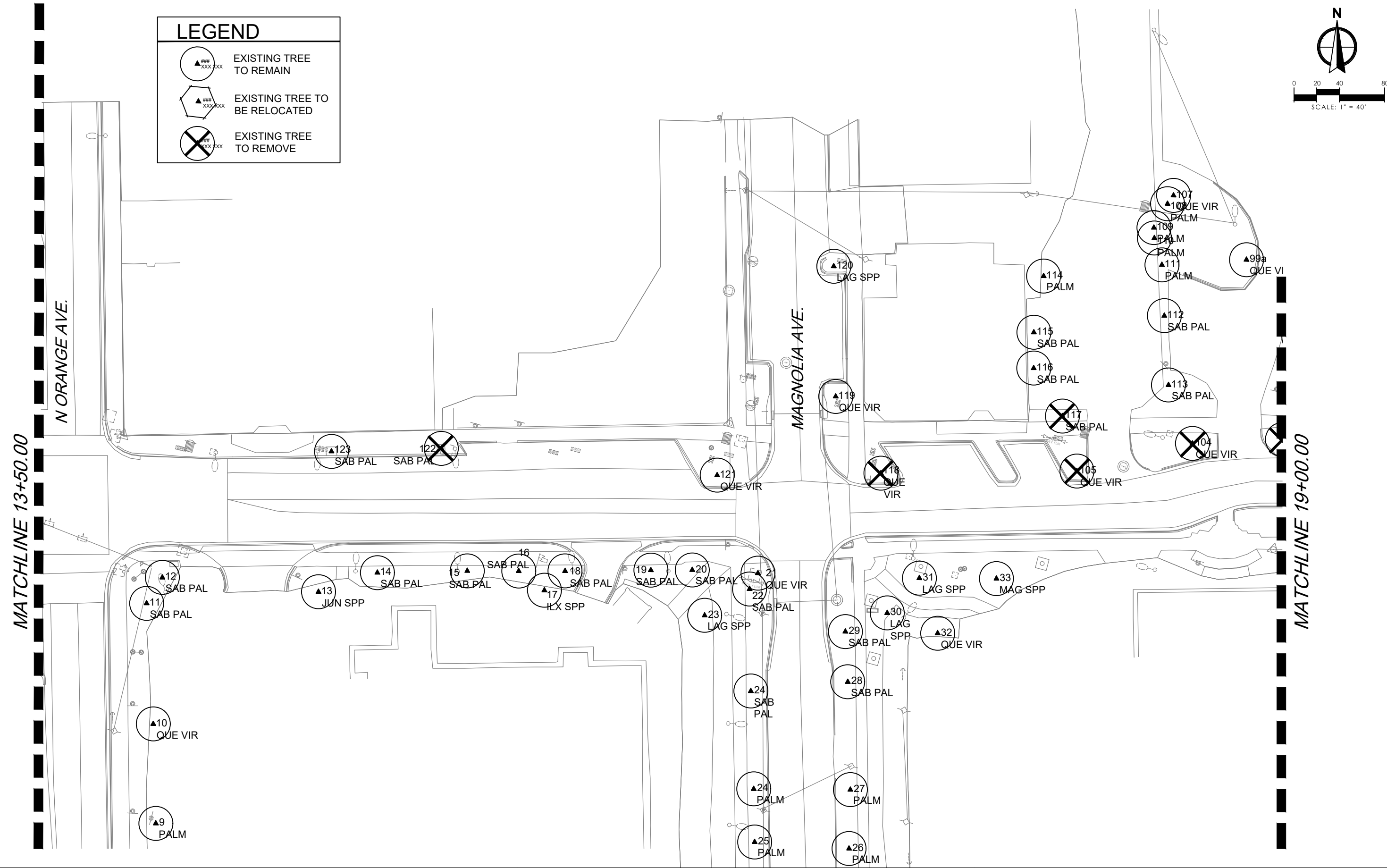
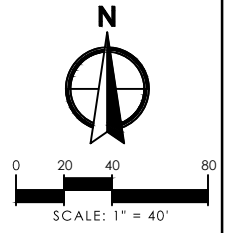
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**WALNUT STREET**

REF. DWG. NO.  
 SHEET NO.  
**TD-100**

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**LEGEND**

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE RELOCATED
- EXISTING TREE TO REMOVE



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 2035 VISTA PARKWAY  
 WEST PALM BEACH, FL 33411

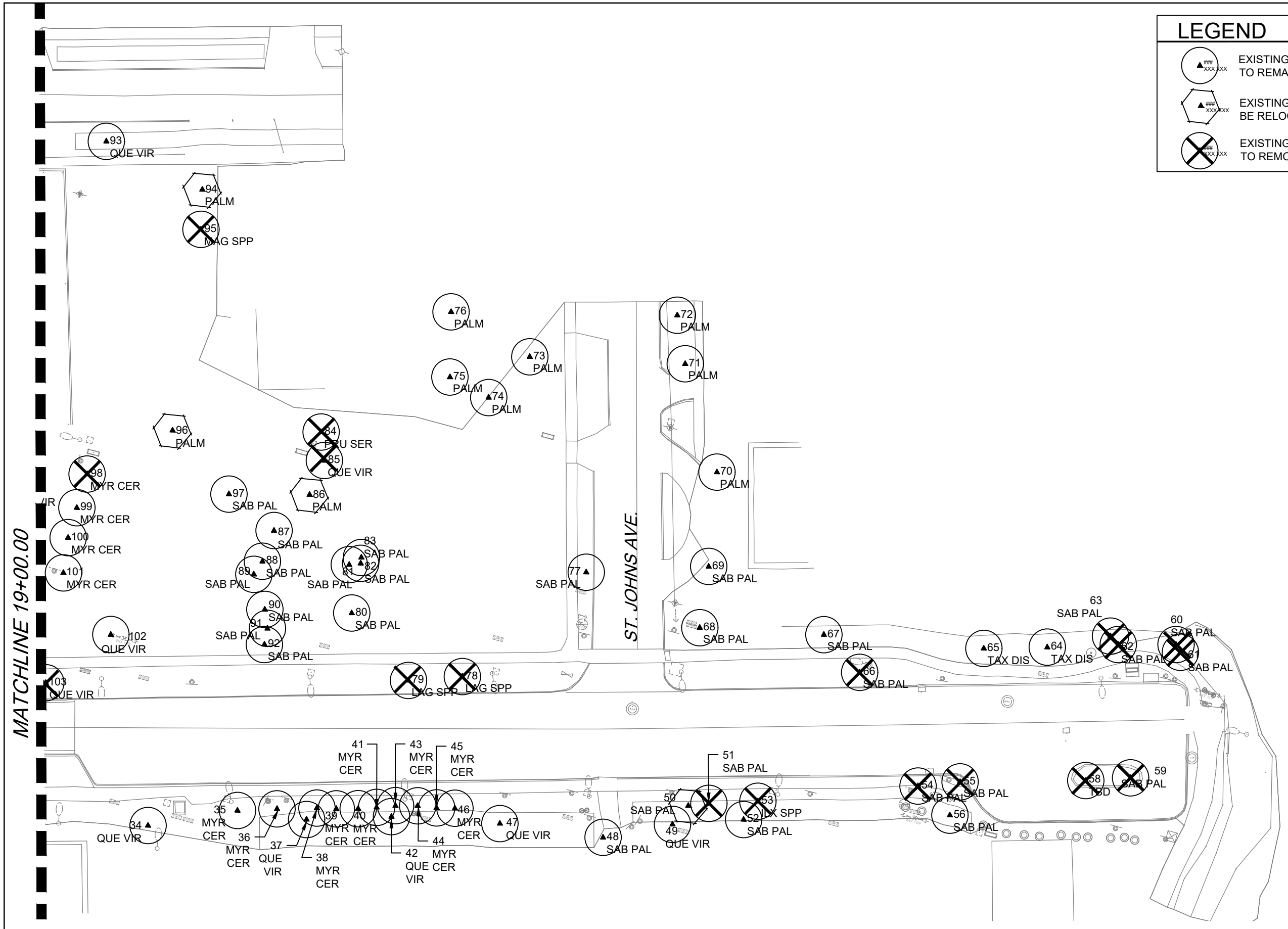
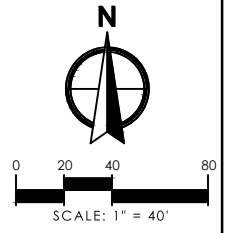
PREPARED FOR  
 CITY OF GREEN COVE SPRINGS

SHEET TITLE: <b>TREE DISPOSITION PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>TD-101</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

### LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE RELOCATED
- EXISTING TREE TO REMOVE



MATCHLINE 19+00.00

ST. JOHNS AVE.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE: <b>TREE DISPOSITION PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>TD-102</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

**TREE INVENTORY LIST**

Tag #	Common Name	Scientific Name	Caliper (DBH)*	Spread (sq-ft)	Condition Rating	Disposition	Notes
1	Holly	<i>Ilex x spp.</i>	6"	N/A	N/A	PRESERVE	
2	Holly	<i>Ilex x spp.</i>	5"	N/A	N/A	PRESERVE	
3	Holly	<i>Ilex x spp.</i>	5"	N/A	N/A	PRESERVE	
4	Cabbage Palmetto	<i>Sabal palmetto</i>	14"	N/A	N/A	RELOCATE	
5	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	RELOCATE	
6	Cabbage Palmetto	<i>Sabal palmetto</i>	9"	N/A	N/A	RELOCATE	
7	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	RELOCATE	
8	Cabbage Palmetto	<i>Sabal palmetto</i>	8"	N/A	N/A	RELOCATE	
9	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	PRESERVE	
10	Live Oak	<i>Quercus virginiana</i>	18"	N/A	N/A	PRESERVE	
11	Cabbage Palmetto	<i>Sabal palmetto</i>	N/A	N/A	N/A	PRESERVE	
12	Cabbage Palmetto	<i>Sabal palmetto</i>	N/A	N/A	N/A	PRESERVE	
13	Cedar	<i>Juniperus x spp.</i>	15"	N/A	N/A	PRESERVE	
14	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	PRESERVE	
15	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	PRESERVE	
16	Cabbage Palmetto	<i>Sabal palmetto</i>	16"	N/A	N/A	PRESERVE	
17	Holly	<i>Ilex x spp.</i>	N/A	N/A	N/A	PRESERVE	
18	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	PRESERVE	
19	Cabbage Palmetto	<i>Sabal palmetto</i>	14"	N/A	N/A	PRESERVE	
20	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
21	Live Oak	<i>Quercus virginiana</i>	N/A	N/A	N/A	PRESERVE	
22	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	PRESERVE	
23	Crepe Myrtle	<i>Lagerstroemia spp.</i>	16"	N/A	N/A	PRESERVE	
24	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	PRESERVE	
25	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
26	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	PRESERVE	
27	Cabbage Palmetto	<i>Sabal palmetto</i>	8"	N/A	N/A	PRESERVE	
28	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	PRESERVE	
29	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	PRESERVE	
30	Crepe Myrtle	<i>Lagerstroemia spp.</i>	3"	N/A	N/A	PRESERVE	
31	Crepe Myrtle	<i>Lagerstroemia spp.</i>	N/A	N/A	N/A	PRESERVE	
32	Live Oak	<i>Quercus virginiana</i>	4"	N/A	N/A	PRESERVE	
33	Magnolia	<i>Magnolia x spp.</i>	6"	N/A	N/A	PRESERVE	
34	Live Oak	<i>Quercus virginiana</i>	6"	N/A	N/A	PRESERVE	
35	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
36	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
37	Live Oak	<i>Quercus virginiana</i>	24"	N/A	N/A	PRESERVE	
38	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
39	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
40	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
41	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
42	Live Oak	<i>Quercus virginiana</i>	22"	N/A	N/A	PRESERVE	
43	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
44	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
45	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
46	Privet	<i>Ligustrum japonicum</i>	10"	N/A	N/A	PRESERVE	
47	Live Oak	<i>Quercus virginiana</i>	9"	N/A	N/A	PRESERVE	
48	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
49	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
50	Cabbage Palmetto	<i>Sabal palmetto</i>	22"	N/A	N/A	RELOCATE	

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
CITY OF  
GREEN COVE SPRINGS

SHEET TITLE:	<b>TREE DISPOSITION PLANS</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>TD-500</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



**TREE INVENTORY LIST**

Tag #	Common Name	Scientific Name	Caliper (DBH)*	Spread (sq-ft)	Condition Rating	Disposition	Notes
51	Cabbage Palmetto	<i>Sabal palmetto</i>	9"	N/A	N/A	REMOVE	
52	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
53	Holly	<i>Ilex x spp.</i>	10"	N/A	N/A	REMOVE	
54	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	REMOVE	
55	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	REMOVE	
56	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
57	NOT USED						
58	Pecan	<i>Carya x spp.</i>	24"	N/A	N/A	REMOVE	
59	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	REMOVE	
60	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	REMOVE	
61	Cabbage Palmetto	<i>Sabal palmetto</i>	20"	N/A	N/A	REMOVE	
62	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	REMOVE	
63	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	REMOVE	
64	Bald Cypress	<i>Taxodium distichum</i>	23"	N/A	N/A	PRESERVE	
65	Bald Cypress	<i>Taxodium distichum</i>	24"	N/A	N/A	PRESERVE	
66	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	REMOVE	
67	Cabbage Palmetto	<i>Sabal palmetto</i>	7"	N/A	N/A	PRESERVE	
68	Cabbage Palmetto	<i>Sabal palmetto</i>	18"	N/A	N/A	PRESERVE	
69	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	PRESERVE	
70	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	PRESERVE	
71	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
72	Cabbage Palmetto	<i>Sabal palmetto</i>	8"	N/A	N/A	PRESERVE	
73	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
74	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	PRESERVE	
75	Cabbage Palmetto	<i>Sabal palmetto</i>	16"	N/A	N/A	PRESERVE	
76	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	PRESERVE	
77	Cabbage Palmetto	<i>Sabal palmetto</i>	8"	N/A	N/A	PRESERVE	
78	Crepe Myrtle	<i>Lagerstroemia spp.</i>	8"	N/A	N/A	REMOVE	
79	Crepe Myrtle	<i>Lagerstroemia spp.</i>	8"	N/A	N/A	REMOVE	
80	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
81	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
82	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
83	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
84	Black Cherry	<i>Prunus serotina</i>	10"	N/A	N/A	REMOVE	
85	Live Oak	<i>Quercus virginiana</i>	24"	N/A	N/A	REMOVE	
86	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	RELOCATE	
87	Cabbage Palmetto	<i>Sabal palmetto</i>	N/A	N/A	N/A	PRESERVE	
88	Cabbage Palmetto	<i>Sabal palmetto</i>	14"	N/A	N/A	PRESERVE	
89	Cabbage Palmetto	<i>Sabal palmetto</i>	14"	N/A	N/A	PRESERVE	
90	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
91	Cabbage Palmetto	<i>Sabal palmetto</i>	15"	N/A	N/A	PRESERVE	
92	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	PRESERVE	
93	Live Oak	<i>Quercus virginiana</i>	33"	N/A	N/A	PRESERVE	
94	Cabbage Palmetto	<i>Sabal palmetto</i>	20"	N/A	N/A	RELOCATE	
95	Magnolia	<i>Magnolia x spp.</i>	24"	N/A	N/A	REMOVE	
96	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	RELOCATE	
97	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
98	Wax Myrtle	<i>Myrica cerifera</i>	N/A	N/A	N/A	REMOVE	
99	Wax Myrtle	<i>Myrica cerifera</i>	N/A	N/A	N/A	PRESERVE	
100	Wax Myrtle	<i>Myrica cerifera</i>	N/A	N/A	N/A	PRESERVE	

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

SHEET TITLE:	<b>TREE DISPOSITION PLANS</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>TD-501</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

**TREE INVENTORY LIST**

Tag #	Common Name	Scientific Name	Caliper (DBH)*	Spread (sq-ft)	Condition Rating	Disposition	Notes
99A	Live Oak	<i>Quercus virginiana</i>	36"	N/A	N/A	PRESERVE	
101	Wax Myrtle	<i>Myrica cerifera</i>	N/A	N/A	N/A	PRESERVE	
102	Live Oak	<i>Quercus virginiana</i>	N/A	N/A	N/A	PRESERVE	
103	Live Oak	<i>Quercus virginiana</i>	10"	N/A	N/A	REMOVE	
104	Live Oak	<i>Quercus virginiana</i>	14"	N/A	N/A	REMOVE	
105	Live Oak	<i>Quercus virginiana</i>	12"	N/A	N/A	REMOVE	
106	Live Oak	<i>Quercus virginiana</i>	48"	N/A	N/A	PRESERVE	
107	Live Oak	<i>Quercus virginiana</i>	24"	N/A	N/A	PRESERVE	
108	Cabbage Palmetto	<i>Sabal palmetto</i>	18"	N/A	N/A	PRESERVE	
109	Cabbage Palmetto	<i>Sabal palmetto</i>	18"	N/A	N/A	PRESERVE	
110	Cabbage Palmetto	<i>Sabal palmetto</i>	20"	N/A	N/A	PRESERVE	
111	Cabbage Palmetto	<i>Sabal palmetto</i>	20"	N/A	N/A	PRESERVE	
112	Cabbage Palmetto	<i>Sabal palmetto</i>	18"	N/A	N/A	PRESERVE	
113	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	PRESERVE	
114	Cabbage Palmetto	<i>Sabal palmetto</i>	N/A	N/A	N/A	PRESERVE	
115	Cabbage Palmetto	<i>Sabal palmetto</i>	12"	N/A	N/A	PRESERVE	
116	Cabbage Palmetto	<i>Sabal palmetto</i>	14"	N/A	N/A	PRESERVE	
117	Cabbage Palmetto	<i>Sabal palmetto</i>	13"	N/A	N/A	REMOVE	
118	Live Oak	<i>Quercus virginiana</i>	N/A	N/A	N/A	REMOVE	
119	Live Oak	<i>Quercus virginiana</i>	9"	N/A	N/A	PRESERVE	
120	Crepe Myrtle	<i>Lagerstroemia spp.</i>	9"	N/A	N/A	PRESERVE	
121	Live Oak	<i>Quercus virginiana</i>	14"	N/A	N/A	PRESERVE	
122	Cabbage Palmetto	<i>Sabal palmetto</i>	11"	N/A	N/A	REMOVE	
123	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	PRESERVE	
124	Cabbage Palmetto	<i>Sabal palmetto</i>	8"	N/A	N/A	RELOCATE	
125	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	RELOCATE	
126	Cabbage Palmetto	<i>Sabal palmetto</i>	9"	N/A	N/A	RELOCATE	
127	Cabbage Palmetto	<i>Sabal palmetto</i>	10"	N/A	N/A	RELOCATE	
128	Holly	<i>Ilex x spp.</i>	5"	N/A	N/A	PRESERVE	
129	Holly	<i>Ilex x spp.</i>	8"	N/A	N/A	PRESERVE	
130	Arborvitae	<i>Thuja x spp.</i>	N/A	N/A	N/A	REMOVE	
131	Arborvitae	<i>Thuja x spp.</i>	N/A	N/A	N/A	REMOVE	
132	Arborvitae	<i>Thuja x spp.</i>	N/A	N/A	N/A	REMOVE	
133	Arborvitae	<i>Thuja x spp.</i>	N/A	N/A	N/A	REMOVE	
134	Arborvitae	<i>Thuja x spp.</i>	N/A	N/A	N/A	REMOVE	

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

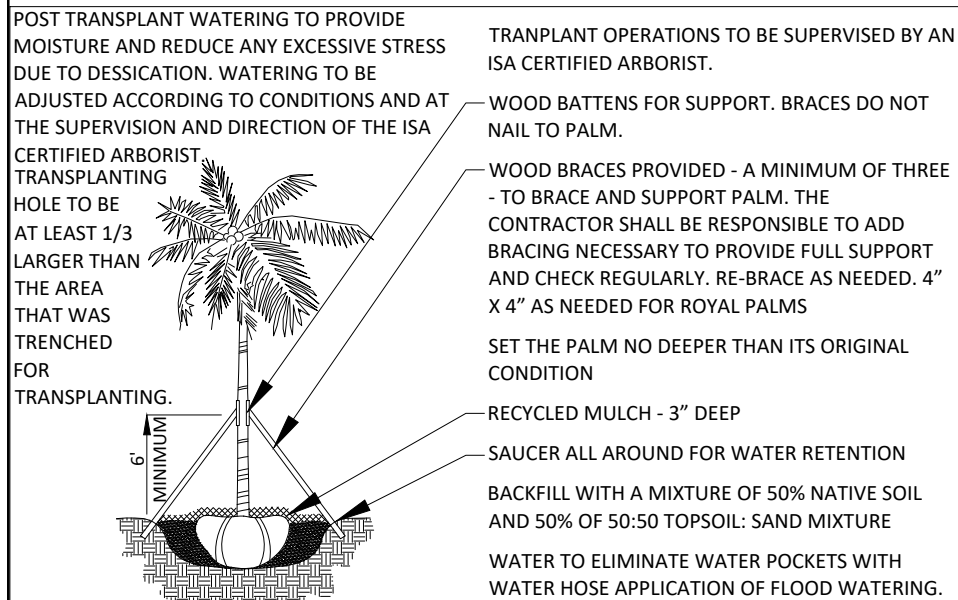
ANGELA BIAGI  
L.A. NO. 6666787  
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2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411



PREPARED FOR  
**CITY OF  
GREEN COVE SPRINGS**

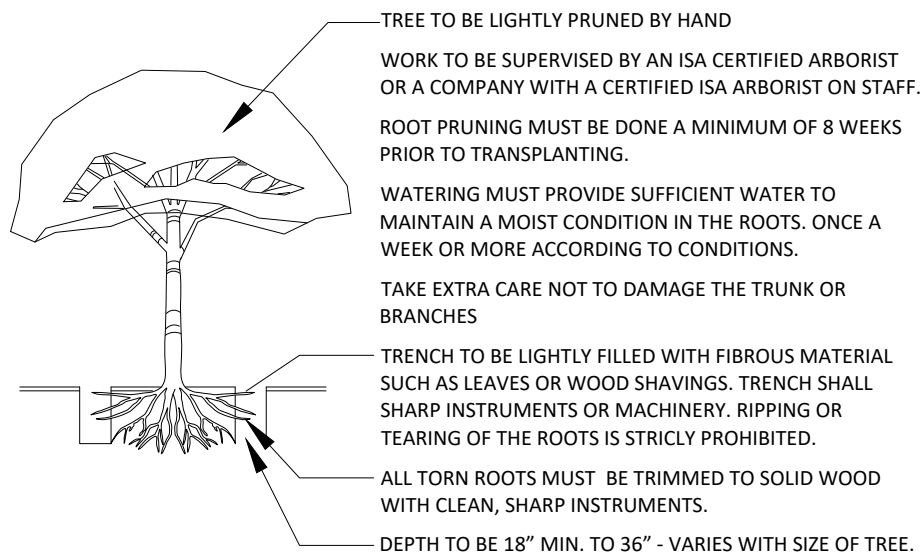
SHEET TITLE:	<b>TREE DISPOSITION PLANS</b>	REF. DWG. NO.
PROJECT NAME:	<b>WALNUT STREET</b>	SHEET NO.
		<b>TD-502</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

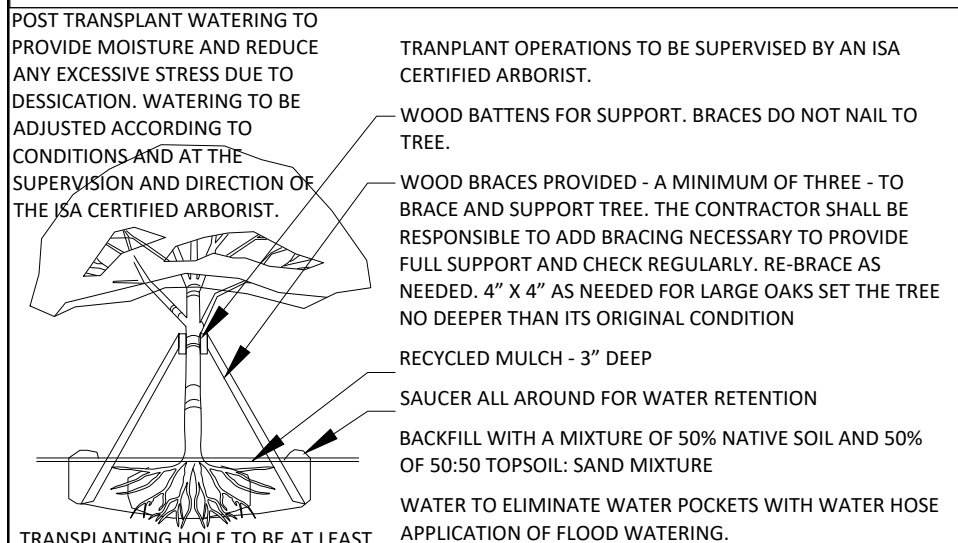


### PALM TRANSPLANT DETAIL

REF: "THE LANDSCAPE MANUAL" DADE CO. DEPT OF PLANNING & ZONING 2001 N.T.S.

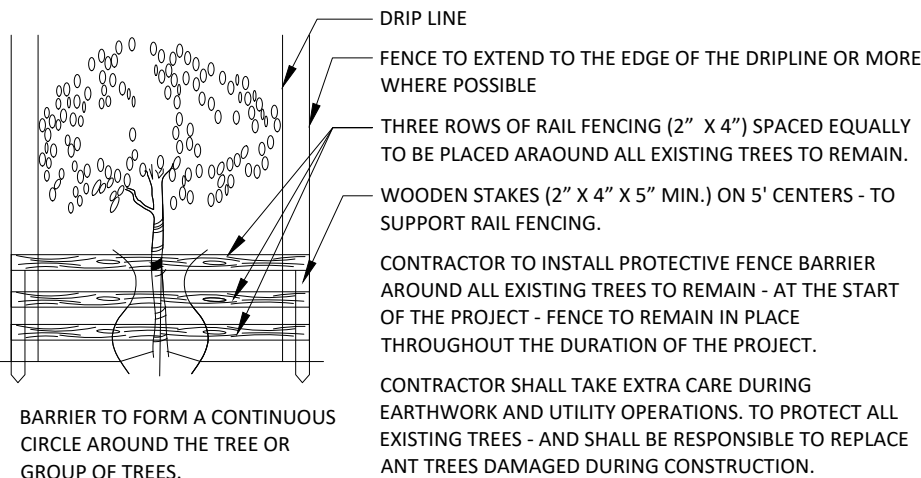


### ROOT PRUNING DETAIL



### TREE TRANSPLANT DETAIL

REF: "THE LANDSCAPE MANUAL" DADE CO. DEPT OF PLANNING & ZONING 2001 N.T.S.



### TREE PROTECTION DETAIL

N.T.S.

## NOTES:

- SEE SHEET LANDSCAPE PLANS FOR THE PROPOSED TREE AND PALM LOCATIONS
- THE CONTRACTOR SHALL REMOVE ALL TREES AND HEDGES AS PER PLANS AND AS APPROVED BY THE LOCAL GOVERNING AGENCIES (CITY OF GREEN COVE SPRING). TREE PALM AND HEDGE MATERIAL SHALL INCLUDE ALL TRUNKS, STUMPS, AND ROOTS. ALL EXCESS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED SITE. ALL HOLES AND DEPRESSIONS SHALL BE BACKFILLED WITH CLEAN APPROVED BACKFILL.
- LOCATIONS SHOWN FOR THE EXISTING TREES AND PALMS ARE APPROXIMATE, EXACT LOCATIONS ARE TO BE FIELD VERIFIED BY A REGISTERED LAND SURVEYOR (RLS) PRIOR TO ANY PAVING OR ANY OTHER SUCH WORK WHICH WILL BE IMPACTED BY ANY OTHER TREES OR PALMS TO REMAIN.
- ALL INVASIVE EXOTIC VEGETATION AND ANY OTHER PLANTS LISTED AS CATEGORY I, ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF FLORIDA'S MOST INVASIVE SPECIES SHALL BE REMOVED FROM THE SITE AND MAINTENANCE SHALL GUARANTEE CONTROL OF RE-INVASION.
- ALL TREES AND PALMS TO BE RELOCATED SHALL BE ROOT PRUNED AND CANOPY PRUNED ACCORDING TO ALL ACCEPTED STANDARDS AS DEFINED BY THE NATIONAL ARBORIST ASSOCIATION, AND ALL PRE AND POST-TRANSPLANT OPERATIONS SHALL BE COORDINATED WITH THE UTMOST CARE TO MINIMIZE DAMAGE AND TRANSPLANT SHOCK. WATERING-IN AND WATERING SCHEDULES SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO RELOCATION.
- ALL TREES AND PALMS TO BE RELOCATED SHALL BE STAKED AND BRACED TO INSURE STABILITY AND MINIMIZE ROOT DAMAGE DURING THE RECUPERATION PERIOD.
- CONTRACTOR SHALL VERIFY WITH THE PROJECT SUPERINTENDENT THE PROPOSED LANDSCAPE AREAS PRIOR TO TREE AND PALM RELOCATION TO ENSURE PROPER RELOCATION AND MINIMIZE ANY FIELD DISCREPANCIES WITH RESPECT TO PROPOSED PAVING, BUILDING, AMENITIES, ABOVE AND BELOW GROUND UTILITIES AND LIMITS OF PROPERTY.
- CONTRACTOR SHALL ESTABLISH AN IRRIGATION SYSTEM TO PROVIDE FOR PRE AND POST-TRANSPLANT IRRIGATION SCHEDULING. TREE AND PALM FERTILIZATION SHALL BE ESTABLISHED CONCURRENTLY WITH IRRIGATION PRE AND POST-FERTILIZATION, THIS PROCEDURE SHALL BE CONDUCTED TO OPTIMIZE PLANT ESTABLISHMENT.
- CONTRACTOR SHALL COORDINATE WITH THE PROJECT SUPERINTENDENT TO PLANT ALL RELOCATED TREES AND PALMS AT THE FINAL GRADE OF SITE.
- SEE "ROOT PRUNING DETAIL" AND "TREE TRANSPLANT DETAIL AS SHOWN ON PLANS.

## TREE TRANSPLANTING PROCEDURAL SPECIFICATIONS

PURPOSE: TO MAXIMIZE THE SUCCESS OF TREE TRANSPLANTING OPERATIONS.

ALL STANDARDS SHALL MEET OR EXCEED THE ANSI A300 (PART 6)-2005 (TRANSPLANTING) STANDARD PRACTICES AND ANY APPLICABLE LOCAL CODES.

CONTRACTOR SHALL EMPLOY AN ISA CERTIFIED ARBORIST WITH VERIFIABLE TREE TRANSPLANT EXPERIENCE AS THE "EXPERT ARBORIST OF RECORD" TO CARRY OUT THE FOLLOWING DUTIES:

SHALL PROVIDE A TREE RELOCATION PLAN FOR APPROVAL BY THE OWNERS AGENT BEFORE ANY WORK CAN COMMENCE.

SHALL MAKE SITE VISITS PRIOR TO ANY RELOCATION WORK TO INSPECT THAT THE PROPER PREPARATION WORK IS PERFORMED TO THE TREE RELOCATION GUIDELINES.

SHALL MAKE SITE VISITS DURING RELOCATION WORK TO INSURE WORK IS BEING PERFORMED TO THE TREE RELOCATION GUIDELINES.

SHALL DOCUMENT ALL INSPECTIONS AND PROVIDE REPORT TO THE OWNER'S AGENT WITHIN 5 BUSINESS DAYS OF THE SITE VISIT.

SHALL SUBMIT PRIOR TO FINAL ACCEPTANCE BY OWNER'S AGENT, A POST-TRANSPLANT CARE GUIDE FOR UP TO THREE YEARS THAT INCLUDES WATERING, FERTILIZATION, PRUNING, PEST CONTROL, STAKING, ETC, FOR APPROVAL.

A TREE REMOVAL PERMIT IS REQUIRED FROM GREEN COVE SPRINGS PRIOR TO REMOVAL OF ANY TREES FROM THE SITE.

SEE SHEET TD-500-502 FOR TREE INVENTORY.

SEE LANDSCAPE PLANS FOR PROPOSED LANDSCAPE PLANTINGS, LANDSCAPE LEGEND, SPECIFICATIONS, NOTES, DETAILS, ETC.

**Sunshine State 811 One Call**

**NATIVE TREE DISPOSITION PLAN**

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ANGELA BIAGI  
L.A. NO. 6666787  
WGI, INC.  
2035 VISTA PARKWAY  
WEST PALM BEACH, FL 33411

PREPARED FOR  
**CITY OF GREEN COVE SPRINGS**

SHEET TITLE: <b>TREE DISPOSITION PLANS</b>	REF. DWG. NO.
PROJECT NAME: <b>WALNUT STREET</b>	SHEET NO. <b>TD-600</b>

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.