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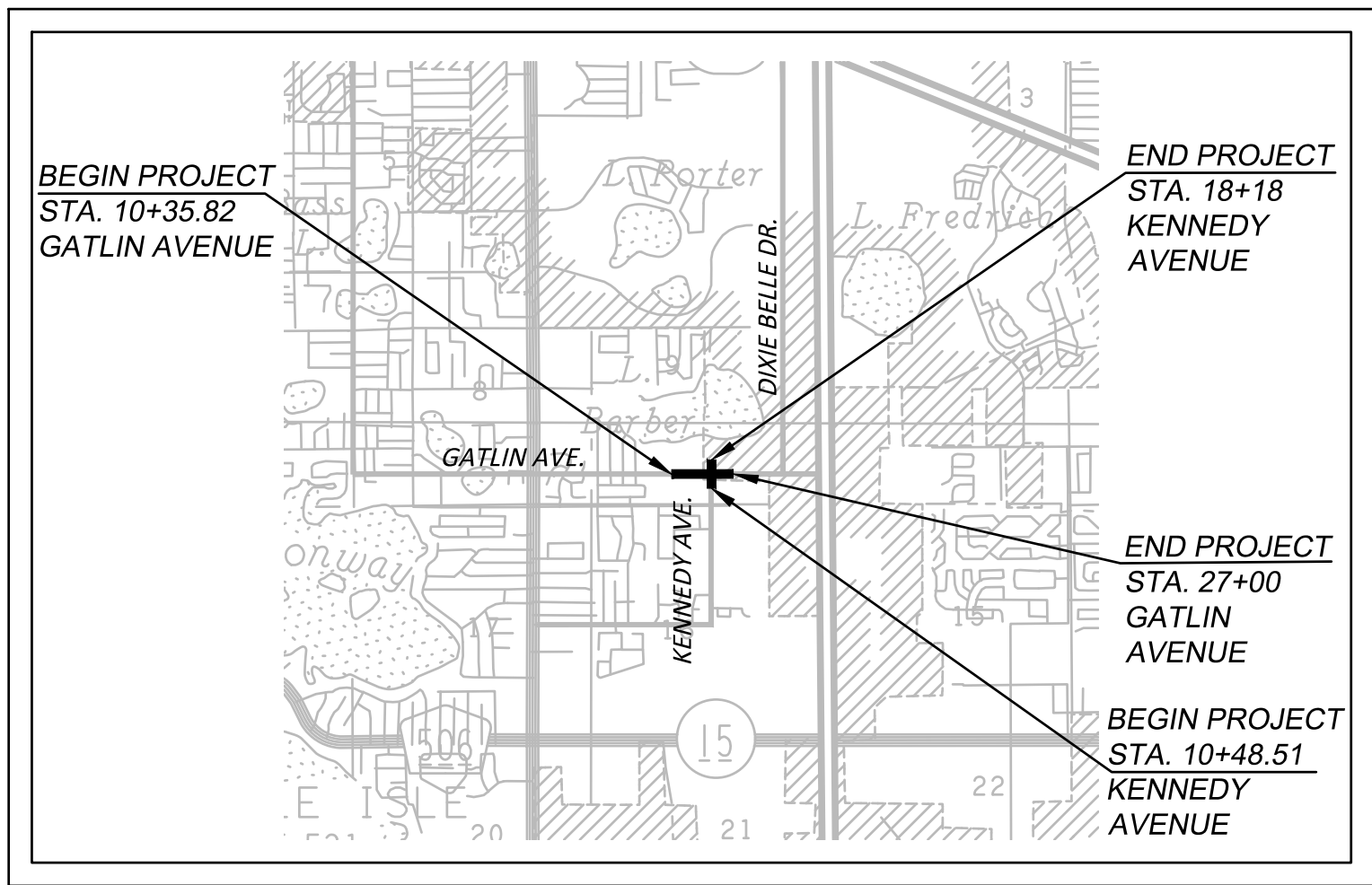
# CONSTRUCTION PLANS FOR GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS ORANGE COUNTY PUBLIC WORKS ENGINEERING DIVISION DISTRICT No. 4 PROJECT No. 2722 ORANGE COUNTY, FLORIDA FPN: 435525-1-58-01

## INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF PAY ITEMS & PAY ITEM NOTES - GATLIN AVENUE
3A	SUMMARY OF PAY ITEMS & PAY ITEM NOTES - KENNEDY AVENUE
4 - 8	DRAINAGE MAP
9 - 10	TYPICAL SECTIONS
11 - 12	SUMMARY OF QUANTITIES
13	SUMMARY OF DRAINAGE STRUCTURES
14 - 15	SURVEY CONTROL SHEETS
16 - 20	PLAN AND PROFILE SHEETS
21 - 37	CROSS SECTIONS
38	DRAINAGE STRUCTURES CROSS SECTIONS
39 - 41	SOIL SURVEY SHEETS
42 - 51	MAINTENANCE OF TRAFFIC PLANS
52 - 55	STORMWATER POLLUTION PREVENTION PLAN
56 - 60	UTILITY ADJUSTMENT PLANS
61	SIGNING & PAVEMENT MARKING, TABULATION OF QUANTITIES AND GENERAL NOTES
62 - 63	SIGNING & PAVEMENT MARKING PLAN SHEETS

## LEGEND

EXIST. EDGE OF PAVT.	-----	CONCRETE	-----	UTILITY	-----
PROPOSED PAVEMENT	=====	RATE OF SUPERELEVATION	-----	TELEPHONE POLE	-----
RIGHT OF WAY LINE	=====	TELEPHONE POLE	-----	OVERHEAD TELEPHONE POLE	-----
SEWER STORM INLET	-----	BURIED POWER CABLE	-----	TELEPHONE DUCT	-----
SURVEY REFERENCE POINT	-----	LIGHT POLE	-----	GAS MAIN	-----
POINT OF INTERSECTION	-----	SANITARY SEWER	-----	FIRE HYDRANT	-----
BASE LINE	-----	UNDERGROUND CABLE TELEVISION	-----	OVERHEAD CABLE TELEVISION	-----
CENTER LINE	-----	CONCRETE MONUMENT	-----	IRON ROD	-----
PROPERTY LINE	-----	IRON PIPE	-----	BUSH	-----
DELTA ANGLE	-----	GATE POST	-----	TRAFFIC SIGN	-----
APPROXIMATE	-----	MAIL BOX	-----	STORM SEWER, SIZE & TYPE	-----
ROUND	-----	CATCH BASIN	-----	CLEAN OUT	-----
CURB	-----	MANHOLE	-----	FARM FENCE, WOVEN WIRE	-----
CURB & GUTTER	-----	BARBED WIRE FENCE	-----	CHAIN LINK FENCE	-----
PVC PIP FENCE	-----	WOOD FENCE	-----	TREE TYPE & SIZE	-----
GATE	-----	O = OAK C = CAMPHOR	-----	E = ELM F = FERN	-----
WATER METER	-----	C = CEDER P = PINE	-----	C = CHERRY M = MAPLE	-----
VALVE	-----		-----		-----
WATER MAIN	-----		-----		-----
COMBINATION POLE	-----		-----		-----
POWER POLE	-----		-----		-----
GUY WIRE	-----		-----		-----
OVERHEAD POWER POLE	-----		-----		-----
BURIED TELEPHONE CABLE	-----		-----		-----
TELEPHONE PEDESTAL	-----		-----		-----
BURIED TELEPHONE CABLE	-----		-----		-----
BENCHMARK	-----		-----		-----
SOIL BORING	-----		-----		-----
PALM TREE & SIZE	-----		-----		-----
SWALE FLOW LINE	-----		-----		-----
HEDGE	-----		-----		-----
EDGE OF WOODED AREA	-----		-----		-----



## VICINITY MAP

N.T.S.

## LENGTH OF PROJECT

	LINEAR FEET	MILES
GATLIN AVENUE	1,664.18	0.32
KENNEDY AVENUE	769.49	0.15

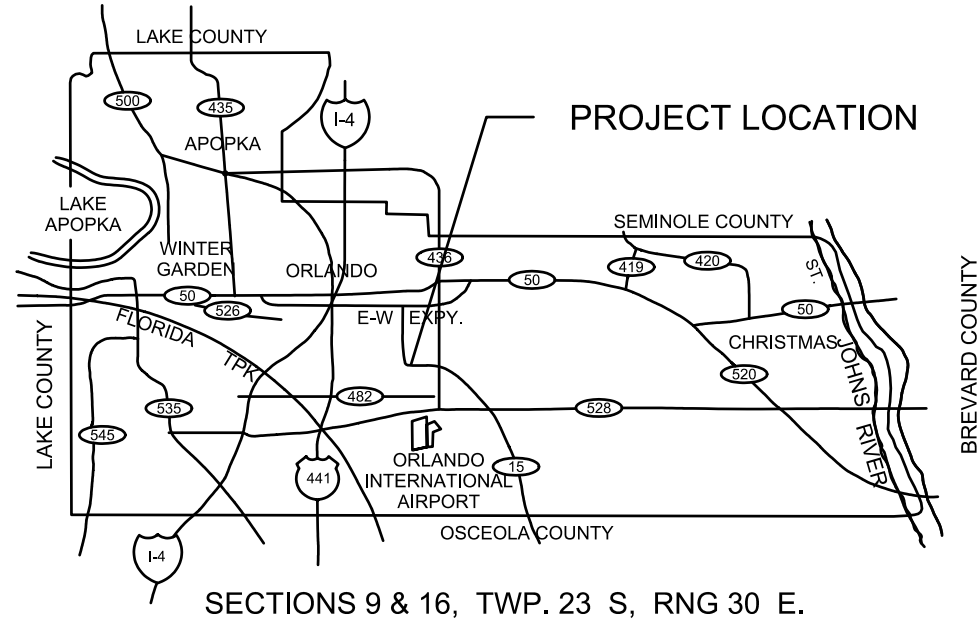
## NOTE :

PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE COUNTY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY CHANGE SINCE PLANS PREPARATION.

## CERTIFICATION TO PLANS

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045(1) OF THE FLORIDA STATUTES.

DATE: JULY 2018 ENGINEER: Jean Abi-Aoun, P.E. PE NO.: 45128



LOCATION MAP

## UTILITIES ENCOUNTERED

COMPANY NAME	TELEPHONE NO.
SPECTRUM, LLC - MARVIN USRY JR.	407-532-8509
PROGRESS ENERGY	1-800-700-8744
ORANGE COUNTY UTILITIES - JASON HERRICK	407-254-9700
COMCAST - BILL GRAHAM	352-315-8528
ORLANDO UTILITIES COMMISSION (WATER) - JIM BECK	407-244-8736
ORLANDO UTILITIES COMMISSION (ELECTRIC) - STEWART DARY	407-423-9100
CITY OF ORLANDO (WASTE WATER) - WALTER MOSS	407-832-7184
ATT DISTRIBUTION	

## ORANGE COUNTY BENCH MARKS USED

SURVEYOR'S NOTE  
1. ALL BEARINGS HERON ARE RELATIVE TO THE NAD83 STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE (0901), AND RELATIVE TO THE FOLLOWING PUBLISHED HORIZONTAL CONTROL POINT:  
CERTIFIED CORNER RECORD #76037  
FOUND 1" IRON AXLE IN WELL BOX.  
N = 1512868.1848 E = 553880.9727  
CERTIFIED CORNER RECORD #093072  
RECOVERED NAIL & DISC "DRMP LB 2648"  
N = 1512883.5147 E = 556521.5907  
2. ALL ELEVATIONS SHOWN HEREON ARE IN 88 DATUM AND REFERENCED TO THE FOLLOWING BENCHMARKS:  
THE SOURCE BENCHMARK USED IS BASED ON ORANGE COUNTY 88 DATUM BENCHMARK L-911-005 - RECOVERED O.C. DISC EAST OF ARROW ROAD AND CENTERLINE OF SIDEWALK SOUTH SIDE OF GATLIN AVENUE.  
ELEVATION = 102.758'  
BENCHMARK L-911-004 - RECOVERED "SQUARE" CUT CENTERLINE OF CONCRETE SIDEWALK 69.88' SOUTH OF CENTERLINE OF GATLIN AVENUE AND 22.97' EAST OF CENTERLINE OF ARROW ROAD.  
ELEVATION = 102.671'  
BM #1 - SET IRON ROD WITH ORANGE COUNTY CAP.  
N = 1512889.3470 E = 554214.0150  
ELEVATION = 101.61'  
BM #2 - SET NAIL & DISC.  
N = 1512897.8390 E = 553902.4050  
ELEVATION = 102.10'  
BM #3 - SET IRON ROD WITH ORANGE COUNTY CAP.  
N = 1512906.1940 E = 553513.7470  
ELEVATION = 101.10'  
BM #4 - SET 5/8" IRON ROD WITH ORANGE COUNTY CAP.  
N = 1512903.8860 E = 553867.2630  
ELEVATION = 103.37'

## PREPARED BY:



FLORIDA  
ENGINEERING  
GROUP

Engineering the Future

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Orlando, FL 32809  
Phone: 407-895-0324  
Fax: 407-895-0325

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## REVISIONS

DATE BY

FINAL SUBMITTAL: OCTOBER, 2018

DESIGNED BY: JAA DATE: NOVEMBER 2013

CHECKED BY: WRH DATE: NOVEMBER 2013

DRAWN BY: JSK DATE: NOVEMBER 2013

APPROVED BY: JAA DATE: JUNE 2015

SHEET 1  
OF 64

# GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS 2018-19 AND ORANGE COUNTY SPECIFICATIONS AS AMENDED BY CONTRACT DOCUMENTS.
- SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
- ALL PERSONAL PROPERTY, EXCEPT MAIL BOXES, WITHIN THE RIGHT-OF-WAY NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS. MAIL BOXES SHALL BE RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH THE FY2018-19. STANDARD PLANS INDEX 110-200.
- THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVALS OF DISPOSAL SITES SHALL BE OBTAINED FROM ORANGE COUNTY PRIOR TO DISPOSAL. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
- SOD IN DISTURBED AREAS SHALL MATCH EXISTING TYPE SOD, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- INSTALL A 4" MUCK BLANKET OR TOPSOIL TREATMENT ON ALL PERMANENT GRASS AREAS. COST TO BE INCLUDED IN CONTRACT UNIT PRICE FOR SOD.
- SOD ALL SLOPES 3:1 OR STEEPER. SLOPE STEEPER THAN 3:1 SHALL BE PEGGED.
- SAW CUT CONCRETE DRIVEWAYS AS REQUIRED FOR CONSTRUCTION.
- ALL PAVEMENT OFFSETS SHOWN ARE TO PROPOSED BASELINE OF CONSTRUCTION; ALL RADII AND DIMENSIONS ARE TO PROPOSED EDGE OF PAVEMENT.
- FOR STABILIZATION AT TURNOUTS AND DRIVEWAY CONNECTIONS SEE STANDARD PLANS INDEX No. 000-515 AND TYPICAL SECTIONS FOR DEPTH AND LBR.
- DRIVEWAY LOCATIONS AND WIDTHS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH REQUIREMENTS OF THE VARIOUS PERMITS INCLUDED IN THE BID SPECIFICATIONS. PAYMENT IS INCLUDED IN THE UNIT PRICES STATED ON THE SUMMARY OF PAY ITEMS; EXCLUDING ITEMS SPECIFIED ELSEWHERE. ENVIRONMENTAL CONTROLS SHALL BE USED AT LOCATIONS DESIGNATED IN THE PLANS AND/OR DESIGNATED BY THE ENGINEER.
- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION.
- PRIOR TO COMMENCEMENT OF WORK CONTRACTOR SHALL CALL SUNSHINE ONE 48 HOURS IN ADVANCE OF PERFORMING ANY UTILITY ADJUSTMENTS OR RELOCATIONS. SUNSHINE ONE PHONE NUMBER IS 1-800-432-4770.
- UTILITIES ARE TO BE ADJUSTED BY OTHERS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY ALL GAS UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES.
- ALL DRAINAGE PIPES SHALL BE STEEL REINFORCED CONCRETE PIPE, CLASS III, UNLESS OTHERWISE NOTED.
- MEASUREMENT OF DRAINAGE PIPE FOR PAYMENT SHALL BE DETERMINED FROM ACTUAL LENGTHS INSTALLED.
- ALL MANHOLE COVERS SHALL INCLUDE THE ORANGE COUNTY LOGO AND BE IDENTIFIED AS "ORANGE COUNTY SANITARY", "ORANGE COUNTY STORM", OR "ORANGE COUNTY WATER", AS APPROPRIATE. (SEE DETAIL)
- ALL INLET/MANHOLE - PIPE JOINTS SHALL BE FILLED WITH NON-SHRINK GROUT, COVERED WITH AN ASPHALT MASTIC COATING, AND WRAPPED WITH A FILTER FABRIC MATERIAL PER SECTION 13.03.03 OF THE ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS. ALL PIPE JOINTS IN THIS PROJECT SHALL BE WRAPPED PER FDOT FY2018-19 STANDARD PLANS INDEX No. 430-001 OR AS DIRECTED BY THE ENGINEER COST TO BE INCLUDED IN THE COST OF THE PIPE CULVERT.
- ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
- ALL EXISTING DRAINAGE STRUCTURES AND PIPES IF ABANDONED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED, UNLESS OTHERWISE SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.
- DESIGN CHANGES OF PIPE INVERTS NOT EXCEEDING PLUS OR MINUS ONE FOOT WILL NOT BE CONSIDERED AS A BASIS FOR ADDITIONAL COMPENSATION FOR THE PERTINENT PIPE BID ITEM OR FOR MODIFICATION OF PRECAST STRUCTURES.

- ALL (P.R.M.'s) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX.
- ANY U.S.C. AND G.S. MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, ORANGE COUNTY SURVEY SECTION 407-836-7940 AND BOTH SHALL NOTIFY:  
STATE GEODETIC ADVISOR  
3900 COMMONWEALTH BOULEVARD, SUITE 309,  
TALLAHASSEE, FL  
850-245-2606
- PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE 407-836-7940). THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48 HOURS OF TELEPHONE NOTIFICATION.
- PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO ORANGE COUNTY HIGHWAY CONSTRUCTION DEPARTMENT A SET OF FIELD NOTES VERIFYING THE BENCHMARK ELEVATIONS AND THE REFERENCE POINT TIES SHOWN ON THE TITLE SHEET AND PLAN AND PROFILE SHEETS, AND/OR A SET OF FIELD NOTES FOR ALL ADDITIONAL BENCHMARK AND REFERENCE POINT TIES PROPOSED TO BE USED IN CONSTRUCTING THE PROJECT WITH THEIR LOCATION, DESCRIPTION AND ELEVATION, BASED ON ORANGE COUNTY DATUM. ALL SUBMITTALS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
- TO MEET ADA REQUIREMENTS, ALL SIDEWALK CONSTRUCTION SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
- FOR PEDESTRIAN CURB CUT RAMPS DETAILS, REFER TO FDOT FY2018-19 STANDARD PLANS INDEX 522-002 NOMENCLATURE SHOW IN THE PLANS REFERS TO THE RAMP TYPES IDENTIFIED IN INDEX 522-002.
- THE CONTRACTOR SHALL RELOCATE EXISTING TRAFFIC SIGNS AS REQUIRED DURING CONSTRUCTION. SIGNS, WHICH ARE DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE COUNTY. THE CONTRACTOR SHALL REMOVE AND STORE EXISTING TRAFFIC SIGNS THAT ARE NOT USED DURING CONSTRUCTION. THE CONTRACTOR SHALL RE-INSTALL THE STORED SIGNS AS SHOWN ON THE SIGNING PLANS OR AS DIRECTED BY THE ENGINEER. SIGNS NO TO BE RE-INSTALLED SHALL BE DELIVERED TO ORANGE COUNTY'S TRAFFIC SIGN SHOP. DAMAGE SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO ORANGE COUNTY. COST OF RELOCATION, MAINTENANCE, REMOVAL AND LEFTOVER SHALL BE INCLUDED IN THE UNIT PRICES STATED ON THE SUMMARY OF PAY ITEMS.
- ALL EXCAVATIONS SHALL BE REQUIRED TO CONFORM TO THE PROVISION OF PART IV OF CHAPTER 553.60, F.S., ALSO KNOWN AS THE "TRENCH SAFETY ACT". TO PROTECT EXISTING PAVEMENT, STRUCTURES, FOUNDATIONS, AND CONSTRUCTION PERSONNEL DURING CONSTRUCTION OF THE PROJECT.
- CONTRACTOR IS TO MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE DAYS PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING PAVEMENT ELEVATIONS OF ALL DRIVEWAYS AND SIDEWALKS TO MATCH THE PROPOSED PAVEMENT TO THE EXISTING.
- ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAT THE CONDITION EXISTING. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- ALL CONCRETE SHALL BE MIN. OF 2,500 PSI.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.

**CAUTION:**  
CHAPTER 77-153 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATING. MAPS SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS OR SERVICE LINES. THE ONLY SAFE AND PROPER WAY TO LOCATE GAS FACILITIES IS BY AN ON-SITE INSPECTION BY T.E.C.O. GAS SYSTEMS THEREFORE, EXCAVATORS ARE INSTRUCTED TO TELEPHONE US AT 407-425-4661 TWO WORKING DAYS BEFORE DIGGING IN A CONSTRUCTION AREA.

NOTE: 1- ALL MEASUREMENTS ARE IN ENGLISH UNLESS OTHERWISE SPECIFIED.

REVISIONS						ORANGE COUNTY PUBLIC WORKS			SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722	2



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## GENERAL NOTES



SUMMARY OF ROADWAY PAY ITEMS – GATLIN AVENUE									
ITEM NUMBER		DESCRIPTION	UNIT	QUANTITY TOTAL					
				PLANS	FINAL				
101–1		MOBILIZATION	LS	1					
102–1		MAINTENANCE OF TRAFFIC	LS	1					
104–14		PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION	LS	1					
110–1–1		CLEARING & GRUBBING	LS	1					
120–9		EXCAVATION EMBANKMENT AND GRADING	LS	1					
160–4		TYPE "B" STABILIZATION (12") (MIN. LBR 40)	SY	2,310					
270–12		SOIL CEMENT BASE (PRIMED) (12") 300 PSI	SY	1,383					
327–70–2		MILLING OF EXISTING ASPHALT PAVEMENT (1 1/2" AVG DEPTH)	SY	5,769					
334–1–13		SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C) (OVERBUILD) 5" AVG.	TN	356.4					
334–2–30		SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C) (3.0") (SP 12.5)	SY	1,383					
337–7–43		ASPHALTIC CONCRETE FRICTION COURSE (1 1/2")(FC 12.5)(TRAFFIC C)(INCL.TACK COAT)	SY	7,152					
400–1–2		CLASS I CONCRETE (ENDWALL)	CY	1.59					
430–14–118		PIPE CULVERT, RCP CLASS III, ROUND (18")	LF	16					
430–98–125		MITERED END SECTION (18")	EA	1					
515–1		PIPE HANDRAIL – GUIDERAIL	LF	20					
520–2–4		CONCRETE CURB (TYPE D)	LF	40					
522–1		CONCRETE SIDEWALK (4" THICK)	SY	217					
570–1–1		PERFORMANCE TURF	SY	2,491					
603		SIGNALIZATION	LS	1					
700–20–11		SINGLE POST SIGN ( < 12 SF )	AS	8					
700–20–60		SIGN, EXISTING (REMOVAL & DISPOSAL)	AS	7					
706–3		RETRO–REFLECTIVE PAVEMENT MARKERS (BI–DIRECTIONAL) (YELLOW/YELLOW)	EA	227					
711–11–121		THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	3,804					
711–11–123		THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	458.0					
711–11–125		THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	92.0					
711–11–160		THERMOPLASTIC, STANDARD, WHITE, MESSAGES	EA	1					
711–11–170		THERMOPLASTIC, STANDARD, WHITE, ARROWS	EA	12.0					
711–11–221		THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	5,066					
711–11–224		THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	305					
900–1		AS–BUILT PLANS	LS	1					
ALTERNATIVE BID 1									
900–2		INDEMNIFICATION	LS	1					

PAY ITEM NOTES

102–1

INCLUDES ALL ITEMS OF MAINTENANCE OF TRAFFIC INCLUDING, BUT NOT LIMITED TO, THE DESIGN OF THE MAINTENANCE OF TRAFFIC PLAN BY THE CONTRACTOR AND APPROVAL OF THE PLANS BY ORANGE COUNTY ENGINEERING DEPARTMENT. ALSO INCLUDES ALL SIGNING, FLAGGERS, ETC. REQUIRED TO MAINTAIN TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD AND THE FDOT ROADWAY AND DESIGN STANDARDS. ATTENTION IS DIRECTED TO THE FY2018–19 102–600 SERIES INDEX NUMBERS. NOTE THAT THE MAINTENANCE OF TRAFFIC PLAN SHOWN IN THE CONSTRUCTION PLANS IS FOR INFORMATION ONLY, FINAL PLAN TO BE SUBMITTED TO AND APPROVED BY THE COUNTY. THE MAINTENANCE OF TRAFFIC PLAN DONE BY THE CONTRACTOR SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER. THIS PAY ITEM SHALL ALSO INCLUDE THE REMOVAL AND REPLACEMENT OF ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS. IF SIGNS ARE DAMAGED BY THE CONTRACTOR, THE SIGNS SHALL BE REPLACED AT THE CONTRACTOR’S EXPENSE.

104–1

INCLUDES THE COST OF ALL ITEMS REQUIRED FOR EROSION CONTROL INCLUDING, BUT NOT LIMITED TO, SYNTHETIC BALES, TURBIDITY BARRIERS, SILT FENCES AND TEMPORARY GRASSING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. NOT AN FDOT PAY ITEM NUMBER.

110–1–1

INCLUDES, BUT IS NOT LIMITED TO, THE COST OF REMOVAL AND DISPOSAL OF CONCRETE CURBS, FLUMES, DRIVEWAYS, DRAINAGE STRUCTURES, GUARDRAILS, FENCES, WALLS, PIPES, PAVEMENTS, BASE MATERIAL TRIMMING OR REMOVAL OF TREES AND SHRUBS AND ALL OTHER ITEMS IN ORDER TO CONSTRUCT THE PROJECT. INCLUDES THE COST OF ALL CONCRETE SAWCUTTING.

400–1–2

INCLUDES THE COST OF INCIDENTAL ADDITIONAL PIPE, CONCRETE COLLARS (PER FDOT INDEX 280) AND ANY ADDITIONAL MATERIAL/METHOD NEEDED TO MAKE CONNECTIONS TO EXISTING PIPE WHERE EXISTING STRUCTURES ARE BEING REPLACED TO MATCH EXISTING REMAINING PIPE. IT ALSO INCLUDES REINFORCING STEEL AS REQUIRED.

522–1

LOCATION OF DRIVEWAYS ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED BY CONTRACTOR TO SUIT ACTUAL REQUIREMENTS AT THE TIME OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

550–60–927

GATE SHALL BE DOUBLE SWING, 48” HIGH WITH THREE HORIZONTAL WHITE ALUMINUM BOX RAILS TO MATCH EXISTING PARK FENCING.

570–1–1

INCLUDES THE COST OF SOD, PEGGING THE SOD, FERTILIZER AND WATER AS REQUIRED FOR ESTABLISHMENT OF PERMANENT SODDING, ALSO INCLUDES THE COST OF MOWING UNTIL FINAL PROJECT ACCEPTANCE BY THE COUNTY.

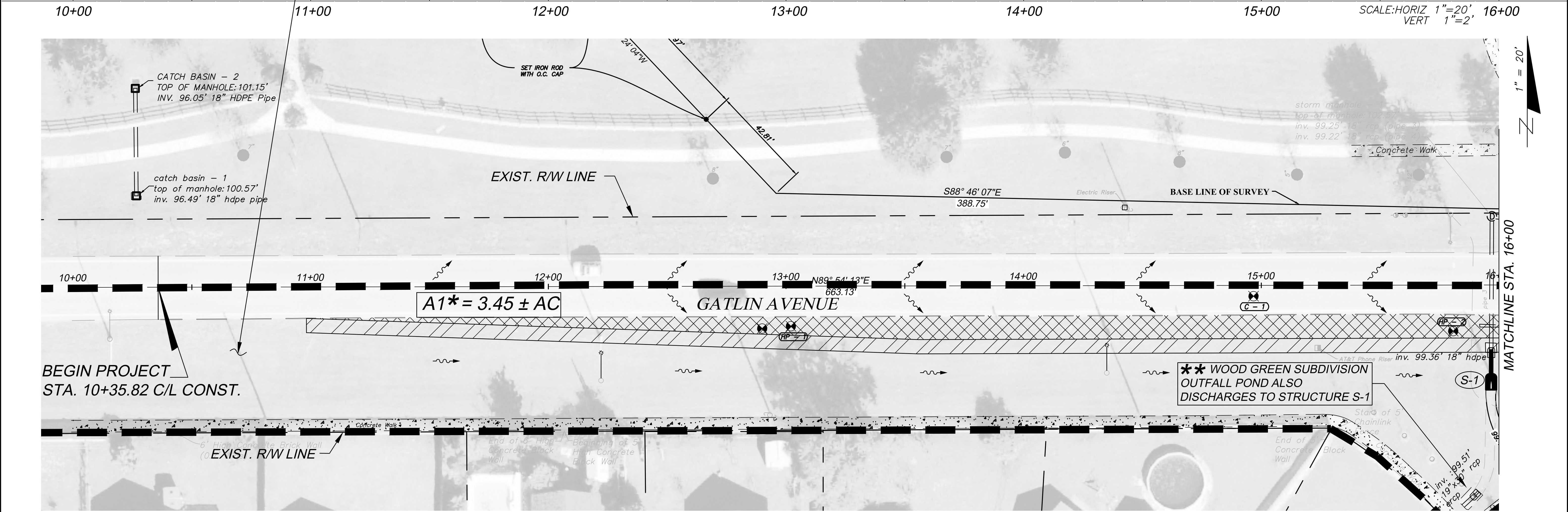
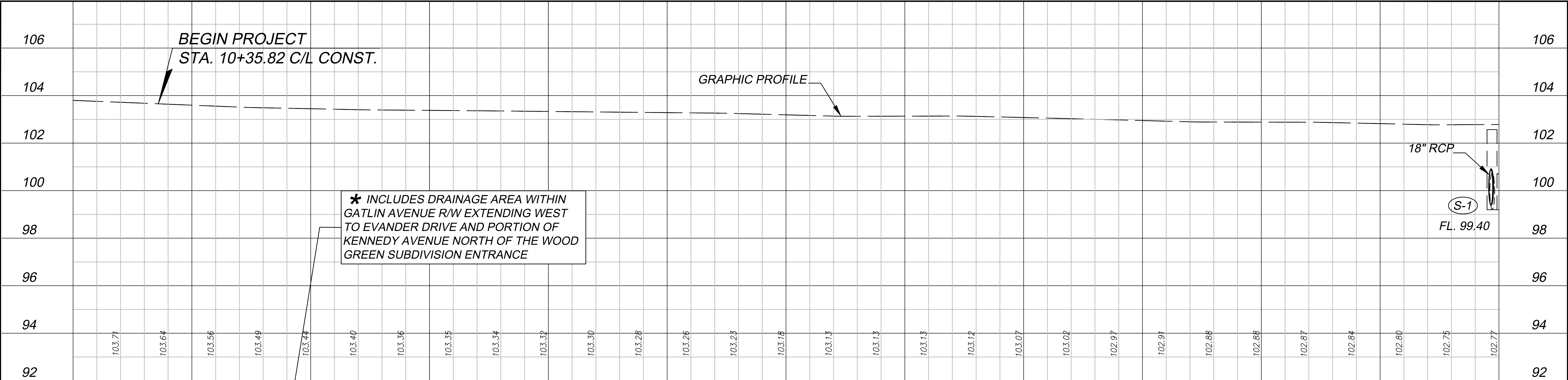
603

INCLUDES COMPLETE REMOVAL AND INSTALLATION OF PEDESTRIAN SIGNAL INCLUDING ALL ELECTRICAL WORK.

REVISIONS						<div><div><div>FEG</div><div><div></div><div></div></div><div>FLORIDA ENGINEERING GROUP</div></div><div>Engineering the Future</div></div>	5127 S. Orange Avenue, Suite 200 Orlando, FL 32809 Phone: 407-895-0324 Fax: 407-895-0325  www.feg-inc.us	ORANGE COUNTY PUBLIC WORKS			SUMMARY OF PAY ITEMS & PAY ITEM NOTES	SHEET NO.
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								GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722		3







REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ORANGE COUNTY PUBLIC WORKS

PROJECT NAME	FEG PROJECT NO.	OCPW PROJECT NO.
GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722

DRAINAGE MAP

SHEET NO.  
4