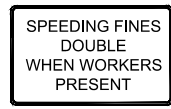


PHASE IV CONSTRUCTION KENNEDY AVENUE

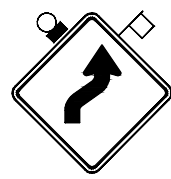
1. REMOVE PHASE III MAINTENANCE OF TRAFFIC DEVICES, AND TEMPORARY PAVEMENT.
2. PLACE FINAL FRICTION COURSE USING FDOT STANDARD INDEX 102-603.
3. PLACE PAVEMENT MARKINGS USING FDOT STANDARD INDEX 102-607.



A  
W20 1F



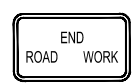
B  
MOT-14-6



C  
W1-4ARM



D  
W1-4ALM



E  
G20-2



F  
R1-1

LEGEND

← LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

 WORK AREA

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



5127 S. Orange Avenue, Suite 200  
Orlando, FL 32809  
Phone: 407-895-0324  
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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

MAINTENANCE OF TRAFFIC  
KENNEDY AVENUE  
PHASE IV

SHEET  
NO.

51

1. SITE DESCRIPTION:

(1) NATURE OF CONSTRUCTION ACTIVITY:  
THE PURPOSE OF THE INTERSECTION IMPROVEMENTS ARE TO IMPROVE THE TRAFFIC CONGESTION AND INCREASE THE SAFETY OF THE EXISTNG INTERSECTION. THE PROPOSED IMPROVEMENTS INCLUDE THE ADDITION OF A LEFT TURN LANE IN THE WESTBOUND & EASTBOUND DIRECTIONS ON GATLIN AVENUE AT THE INTERSECTION WITH KENNEDY AVENUE. THE IMPROVEMENTS ALSO INCLUDE THE ADDITION OF A WESTBOUND LEFT TURN LANE ON GATLIN AVENUE AT ARROW ROAD & A NORTHBOUND & SOUTHBOUND LEFT TURN LANES ON KENNEDY AVENUE AT THE INTERSECTION WITH GATLIN AVENUE. THE DRAINAGE IMPROVEMENTS INCLUDE EXTENDING TWO CROSS DRAINS & INSTALLATION OF A SWALE ALONG THE SOUTH SIDE OF THE IMPROVEMENTS. THE PROPOSED PROJECT IS APPROXIMATELY 0.47 MILE IN LENGTH.

(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:  
THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION CONTROL PLAN ALONG WITH A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, OR AS DIRECTED BY THE ENGINEER. APPLICABLE EROSION CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIED IN THE FDOT STANDARD INDEXES 100 THROUGH 106. THE ENGINEER IS RESPONSIBLE FOR DETERMINING IF ANY MODIFICATIONS OR ADDITIONAL CONTROLS ARE REQUIRED AND TO OBTAIN DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL ADDITIONAL EROSION CONTROL DEVICES FROM THE CONTRACTOR.

(3) GENERAL NOTES:

(a) ALL EROSION CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.

(b) INSTALL SILT FENCE WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.

(c) PROVIDE HAY BALES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN FOR DITCH BLOCKS DURING CONSTRUCTION.

(d) PROVIDE ROCK BAGS AT INLET OPENINGS.

(e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.

(f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.

(g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.

(h) DO NOT REMOVE PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT GRASSING IS ESTABLISHED.

(4) PROJECT AREAS:  
THE ESTIMATED TOTAL PROJECT AREA IS 2.49± ACRES. THE ESTIMATED AREA DISTURBED FOR CONSTRUCTION ACTIVITIES IS 2.49± ACRES (ROADWAY AND SWALES).

(5) RUN-OFF COEFFICIENTS BEFORE Cw(B), DURING Cw(D) AND AFTER Cw(A) CONSTRUCTION:  
RUN-OFF COEFFICIENT FOR:  
GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.35  
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.90  
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40  
  
WEIGHTED RUN-OFF COEFFICIENT:  
BEFORE: Cw(B) = 0.60     DURING: Cw(D) = 0.62     AFTER: Cw(A) = 0.68  
  
THE RUN-OFF COEFFICIENT DURING CONSTRUCTION, Cw(D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION, AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

(6) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:  
THE SOILS WITHIN THE MAJORITY OF THE ROADWAY PROJECT LIMITS ARE FLORAHOME FINE SAND, ONA FINE SAND & ZOLFO FINE SAND, WHICH ARE TYPES A, B/D & C SOILS RESPECTIVELY WITH A DEPTH TO THE SEASONAL HIGH WATER TABLE OF 0.0 TO 3.0 FEET.  
  
A ROADWAY SOIL SURVEY IS CONTAINED IN THE CONSTRUCTION PLANS.

(7) ESTIMATED DRAINAGE AREAS FOR EACH OUTFALL CAN BE LOCATED ON THE DRAINAGE MAPS.

(8) RECEIVING WATERS:  
THE ONSITE RUNOFF IS CONVEYED THROUGH THE EXISTING SWALES/STORM DRAIN SYSTEMS. THE SYSTEM OUTFALLS INTO LAKE BARBER. THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING THE WATERWAY.

(9) THE OUTFALLS ARE NOT 303(d) LISTED WATERS FOR TOTAL SUSPENDED SOLIDS (TSS), TURBIDITY, AND SETTLEABLE SOLIDS.

(10) OUTFALL LOCATIONS: LAT 28°29'58"    LONG 81°19'06"

(11) NO WETLAND IMPACTS ASSOCIATED WITH THIS PROJECT.

(12) DESCRIPTION OF STORMWATER MANAGEMENT (EXISTING/PROPOSED)

(a) CURRENTY THE DRAINAGE FLOWS FROM THE SOUTHERN PROTION OF GALTIN AVENUE PAVEMENT, TO A GRASSED/SWALE AREA ON THE SOUTH END OF THE PAVEMENT TO STRUCTURES S-1 & S-2 WHICH EVENTULLY DISCHARGE TO LAKE BARBER THROUGH AN EXISITING STORMSEWER SYSTEM. THE DRAINAGE FLOW FROM KENNEDY AVENUE, WITHIN THE PROJECT LIMITS, SOUTH OF GATLIN AVENUE DRAINS IN A NORTHERLY DIRECTION BY SHEET FLOW TO STRUCTURE S-1 AND TO THE EAST TO A SHALLOW SWALE WHICH EVENTULLY DISCHARGES THROUGH STRUCTURE S-2 TO LAKE BARBER. THE KENNEDY AVENUE ROAD IS AN INVERTED CROWN ROAD NORTH OF GATLIN AVENUE. THIS PORTION OF THE ROAD DRAINS TO AN EXISTING DITCH INLET LOCATED IN THE MIDDLE OF THE DRIVEWAY WHICH DISCHARGES INTO THE LAKE BARBER PARK STORMWATER SYSTEM. THE EXISTING DRAINAGE PATTERNS WILL NOT BE MODIFIED BY THE PROPOSED IMPROVEMENTS.

(b) OFF-SITE RUN-OFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. THIS WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

(d) THE STORMWATER SHALL BE CONVEYED TO THE EXISTING OUTFALL CONVEYANCES.

(e) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING THE WATERWAYS.

II. CONTROLS:  
EROSION AND SEDIMENT CONTROLS

(1) WATER QUALITY MONITORING SHALL BE CONDUCTED BY THE PROJECT ENGINEER UPON THE OBSERVATION THAT THE WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS SHALL BE DESIGNATED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (29 NTU'S ABOVE BACKGROUND). MONITORING OF WATER QUALITY SHALL BE CONDUCTED A MINIMUM OF TWICE DAILY FOR ANY EARTHWORK ACTIVITIES WITHIN THE IMPROVEMENT AREA. MONITORING WILL BE ACCOMPLISHED BY RECORDING TURBIDITY READINGS FROM THE UPSTREAM AREA AT STRUCTURES S-1 & S-2 AS SHOWN ON THE DRAINAGE MAP AND DOWNSTREAM OF THE OUTFALL PIPES. IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHOULD BE STOPPED IMMEDIATELY AND EROSION CONTROL DEVICES RE-EVALUATED BY THE COUNTY REPRESENTATIVE PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (29 NTU'S ABOVE BACKGROUND). WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER.

(1) STABILIZATION PRACTICES  
STABILIZATION MEASURES, SUCH AS SODDING OR SEEDING OF SIDE SLOPES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE SHALL THE TIME BE GREATER THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES.

(2) STRUCTURAL PRACTICES INCLUDE:

(a) SILT FENCES

(b) HAY BALES

(c) ROCK BAGS

(d) SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS

(e) FLOATING TURBIDITY BARRIER

(3) SILT FENCE LOCATIONS:

(a) SILT FENCE SHALL BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE EXISTING GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFFSITE.

(b) STOCKPILE AREAS SHALL INCLUDE SILT FENCE AROUND THE PERIMETER.

(5) HAY BALE LOCATIONS:  
GENERALLY, HAY BALES SHALL BE INSTALLED AT PROPOSED MEDIAN INLET LOCATIONS, DITCH BOTTOM INLET LOCATIONS, AND AS DITCH BLOCKS TO AVOID DOWNSTREAM SILTATION.

(6) ROCK BAG LOCATIONS:  
GENERALLY, ROCK BAGS SHALL BE INSTALLED FOR THE PURPOSE OF CONTROLLING SILTATION AT CURB AND GUTTER INLETS WHERE ONE CAN NOT DRIVE A STAKE.

(7) CONSTRUCTION ENTRANCES/EXITS:  
SOIL TRACKING PREVENTION DEVICES (INDEX 106) SHALL BE PROVIDED FOR BOTH ON-SITE AND OFF-SITE LOCATIONS OF STOCKPILED OR EXCAVATED MATERIAL. THE ENGINEER SHALL BE RESPONSIBLE FOR MODIFYING THE SYSTEM OR PROCEDURES AS NEEDED

(8) FLOATING TURBIDITY BARRIER LOCATION:


(a) FLOATING TURBIDITY BARRIER ARE TO BE USED AT THE OUTFALL LOCATIONS OF STRUCTURES OUTFALLING INTO EXISTING PONDS.

(b) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS.

(c) ALL TEMPORARY MATERIAL USED FOR POLLUTION OF EROSION CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE SOILS HAVE BEEN ACHIEVED.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ORANGE COUNTY PUBLIC WORKS			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
PROJECT NAME	FEG PROJECT NO.	OCPW PROJECT NO.		52
GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722		

III OTHER CONTROLS:

- (1) WASTE DISPOSAL
- (a)

THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
- (b)

ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- (c)

NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE.
- (d)

ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.
- (2) OFF SITE VEHICLE TRACKING – WILL BE CONTROLLED BY THE FOLLOWING METHODS:

(A)

LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN AT ALL TIMES

(B)

EXCESS DIRT ON ROAD WILL BE REMOVED DAILY
- (3) APPLICATION OF FERTILIZERS AND PESTICIDES

FERTILIZERS AND PESTICIDES WILL BE USED ON THIS PROJECT IN ACCORDANCE WITH “FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION”, SECTIONS 570, 575, OR 577, AT THE DISCRETION OF THE CONTRACTOR WITH THE COORDINATION OF THE PROJECT ENGINEER.

IV. MAINTENANCE

- (1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED.
- (2) INSTALLATION, MAINTENANCE, REPAIR AND REMOVAL REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION CONTROL DEVICES OR THE LUMP SUM COST OF THE PROJECT.
- (3) THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

GENERAL – ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.
- (4) STRUCTURAL PRACTICES – BUILD UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE QUARTER OF THE HEIGHT OF THE FENCE. SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. HAY BALES SHALL BE REPLACED EVERY THREE (3) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.

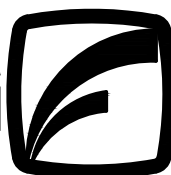
SILT FENCES SHALL BE REPLACED EVERY TWELVE (12) MONTHS OR WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

V. INSPECTION:

- (1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH NPDES PERMIT. ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR.
- (2) ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES (12.7 mm) OR GREATER BY THE CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
- (3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.

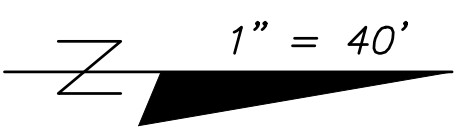
VI. TRACKING AND REPORTING:

- (1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE COUNTY DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION CONTROL DEVICES OR LUMP SUM COST OF THE PROJECT.
- (3) THE CONTRACTOR SHALL USE THE CONSTRUCTION INSPECTION REPORT# 650–040–03), DATED 2/01, – FOR DAILY INSPECTIONS.

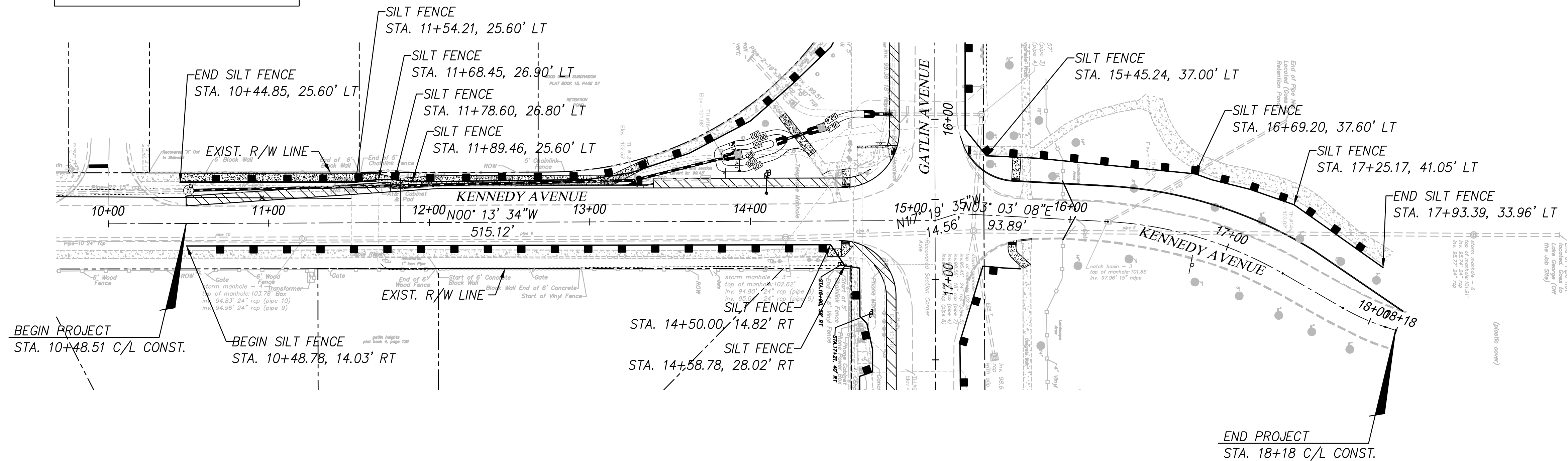
REVISIONS						<div><div><div>FEG</div><div></div></div><div>FLORIDA ENGINEERING GROUP</div><div>Engineering the Future</div></div>	<div>5127 S. Orange Avenue, Suite 200 Orlando, FL 32809 Phone: 407-895-0324 Fax: 407-895-0325  www.feg-inc.us</div>	ORANGE COUNTY PUBLIC WORKS			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			53				



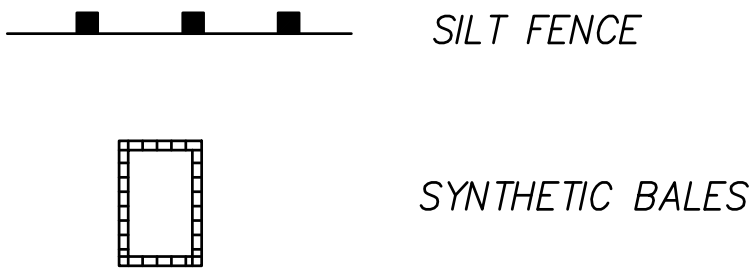





BM #4  
SET 5/8" IRON ROD WITH O.C. CAP.  
N = 1512503.8860  
E = 553867.2630  
ELEV = 103.37'



LEGEND



REVISIONS					
DATE	BY	DESCRIPTION		DATE	BY
05/31/14	VP/JAA	REVISED PER COUNTY COMMENTS DATED 03/13/14 AND 05/09/14.			



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ORANGE COUNTY PUBLIC WORKS

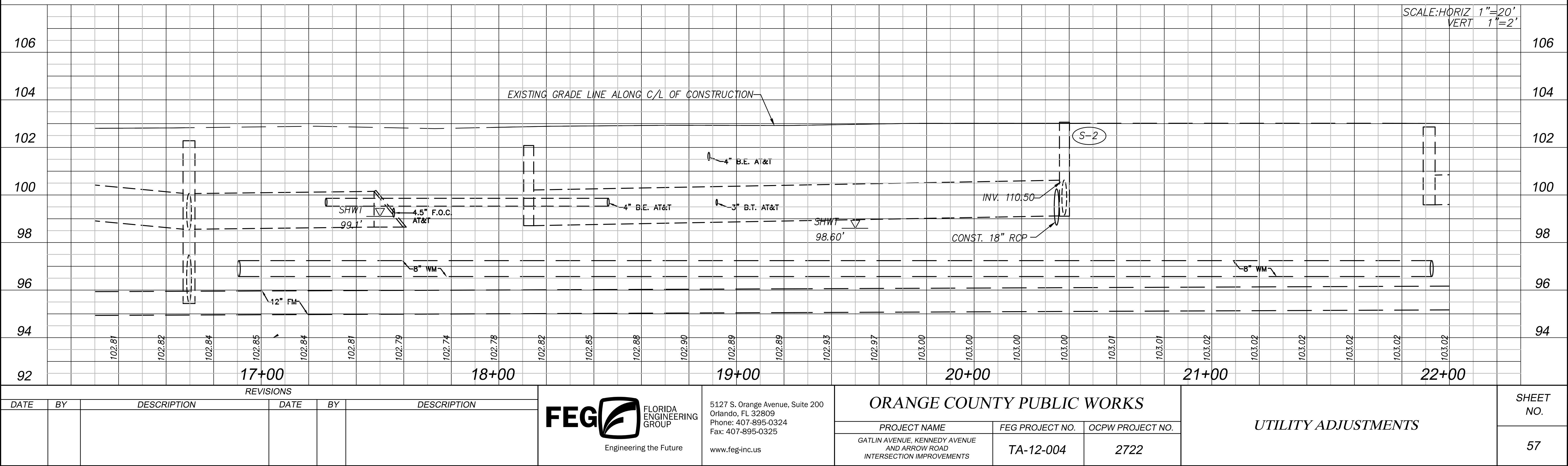
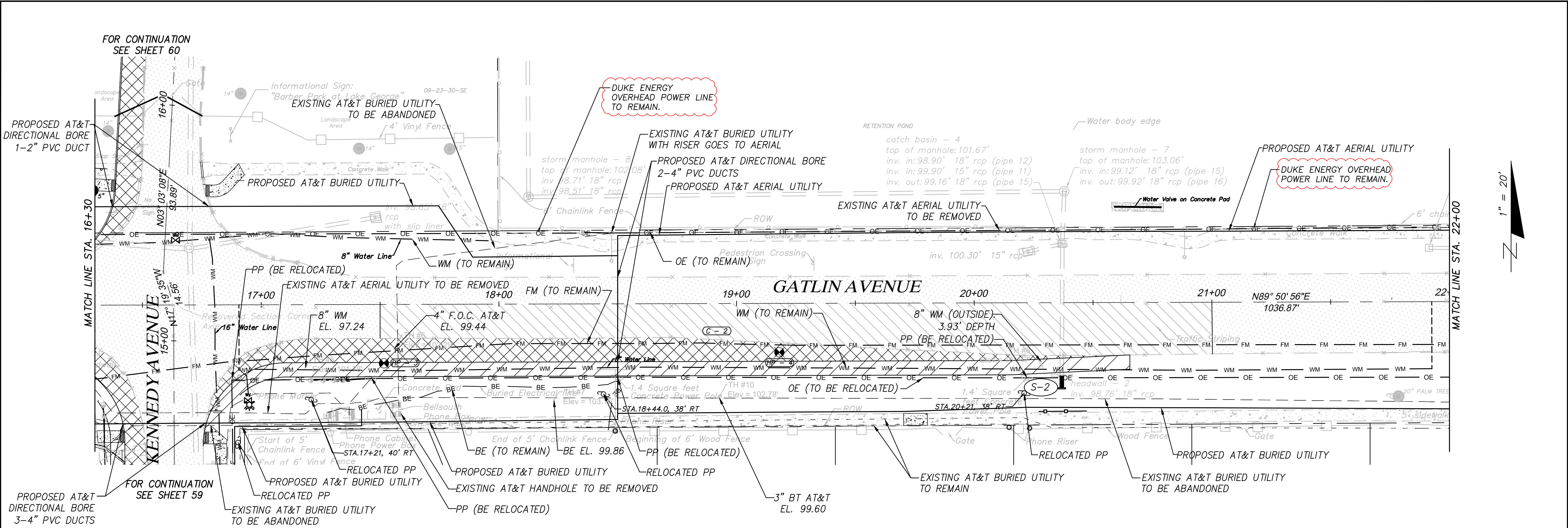
PROJECT NAME	FEG PROJECT NO.	OCPW PROJECT NO.
GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722

STORMWATER POLLUTION  
PREVENTION PLAN

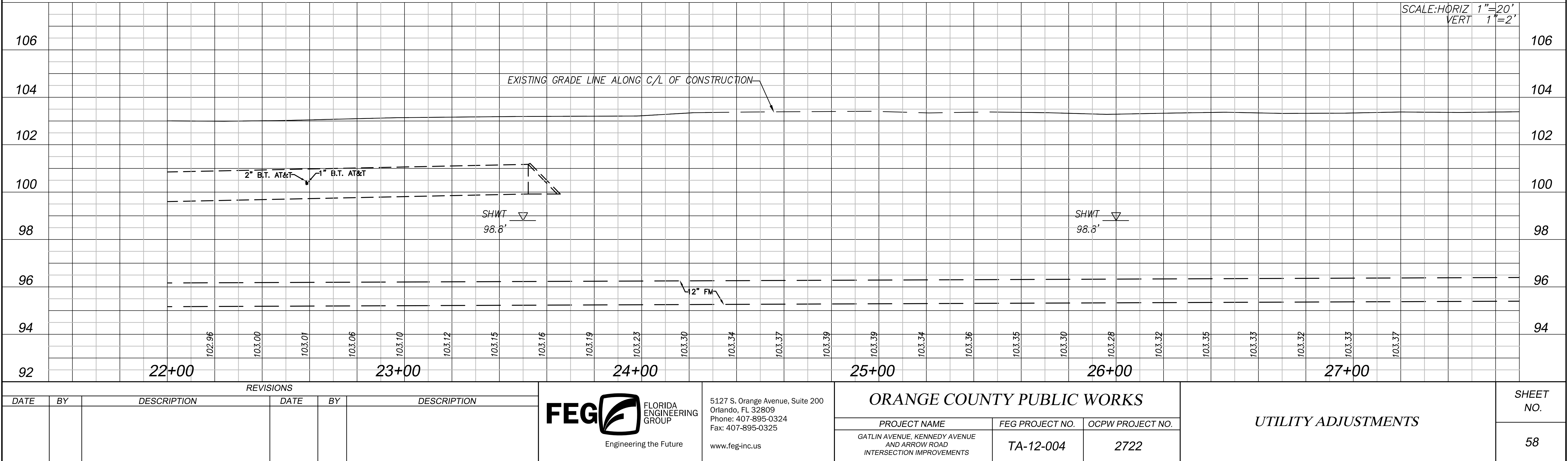
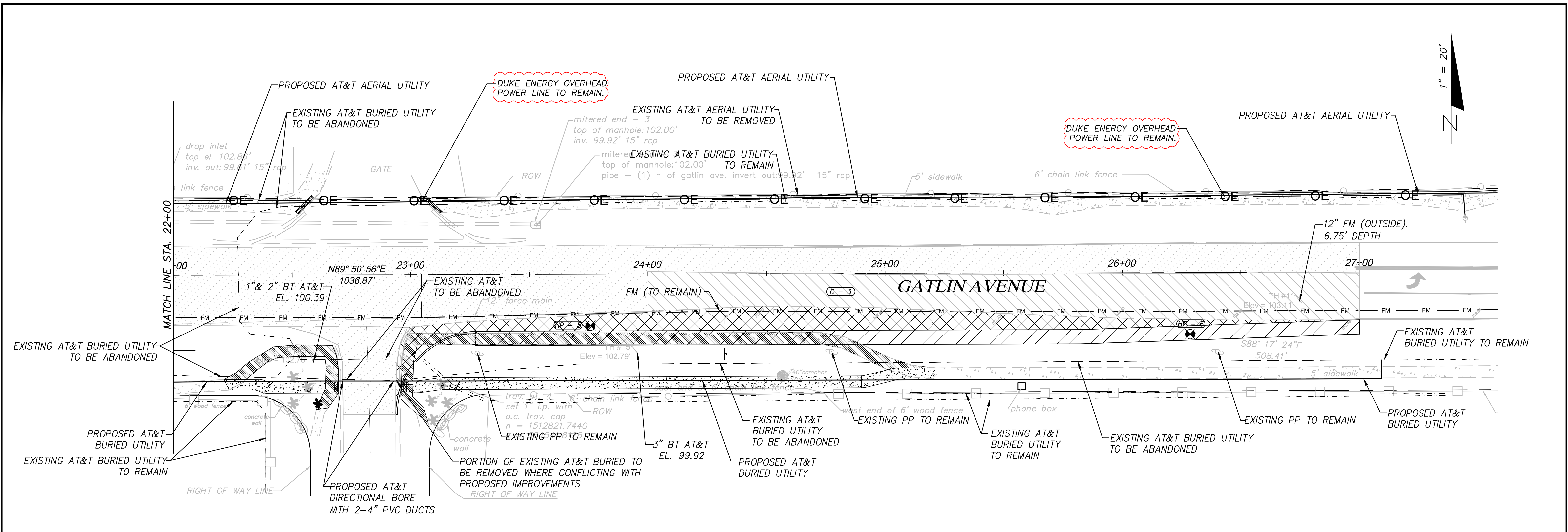
SHEET  
NO.  
  
55



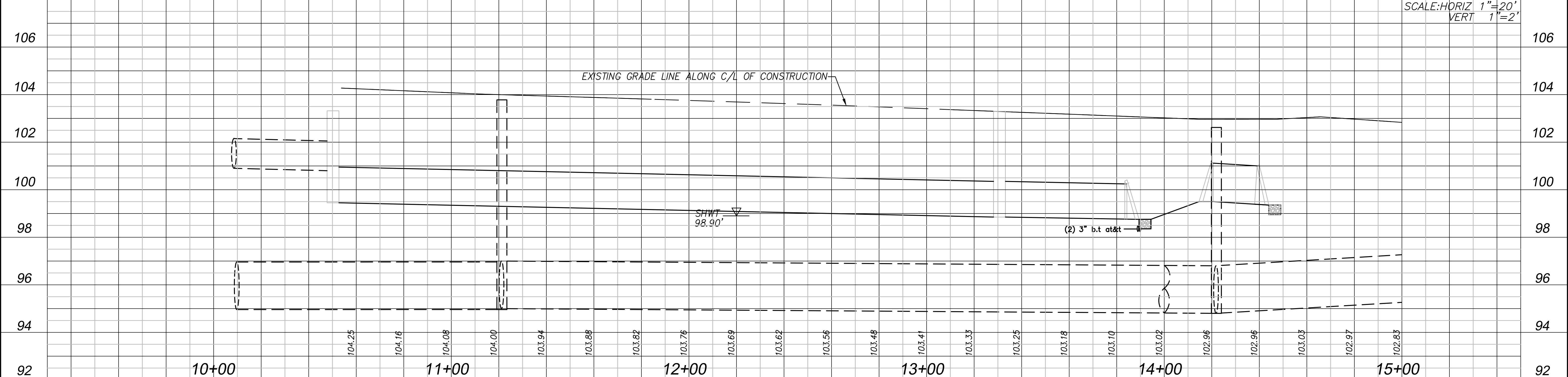
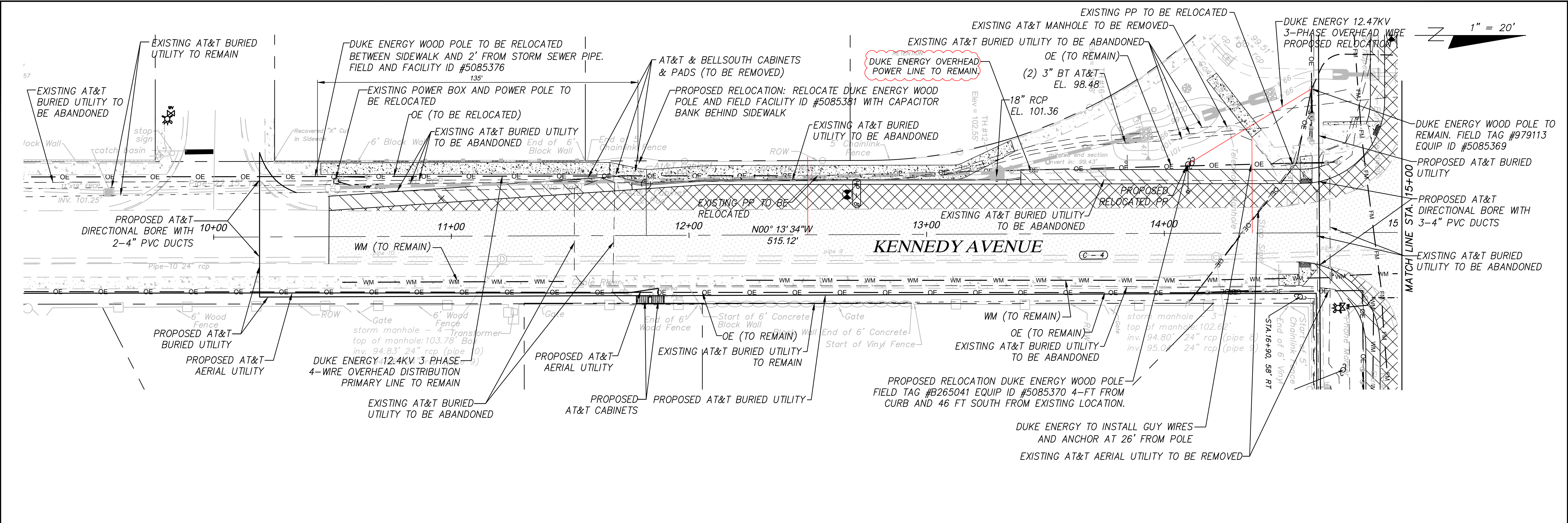




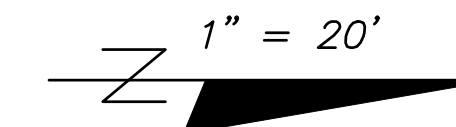








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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NAME	FEG PROJECT NO.	OCPW PROJECT NO.			
								GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722			

[illegible]



TABULATION OF QUANTITIES							GRAND TOTAL	
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NO.					
			62		63			
			ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL
700-20-11	SINGLE POST SIGN(<12 SF)	AS	6		3		9	
700-20-60	SIGN (REMOVAL & DISPOSAL)	AS	5		3		8	
706-3-2	RETRO REFLECTIVE PAVEMENT MARKERS (BI-DIRECTIONAL) (YELLOW-YELLOW)	EA	196		108		304	
711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	3,575		1,579		5,154	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	150		308		458	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	48		44		92	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGES	EA	1		0		1	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROWS	EA	12		5		17	
711-11-221	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	4,086		1,950		6,036	
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	243		162		405	

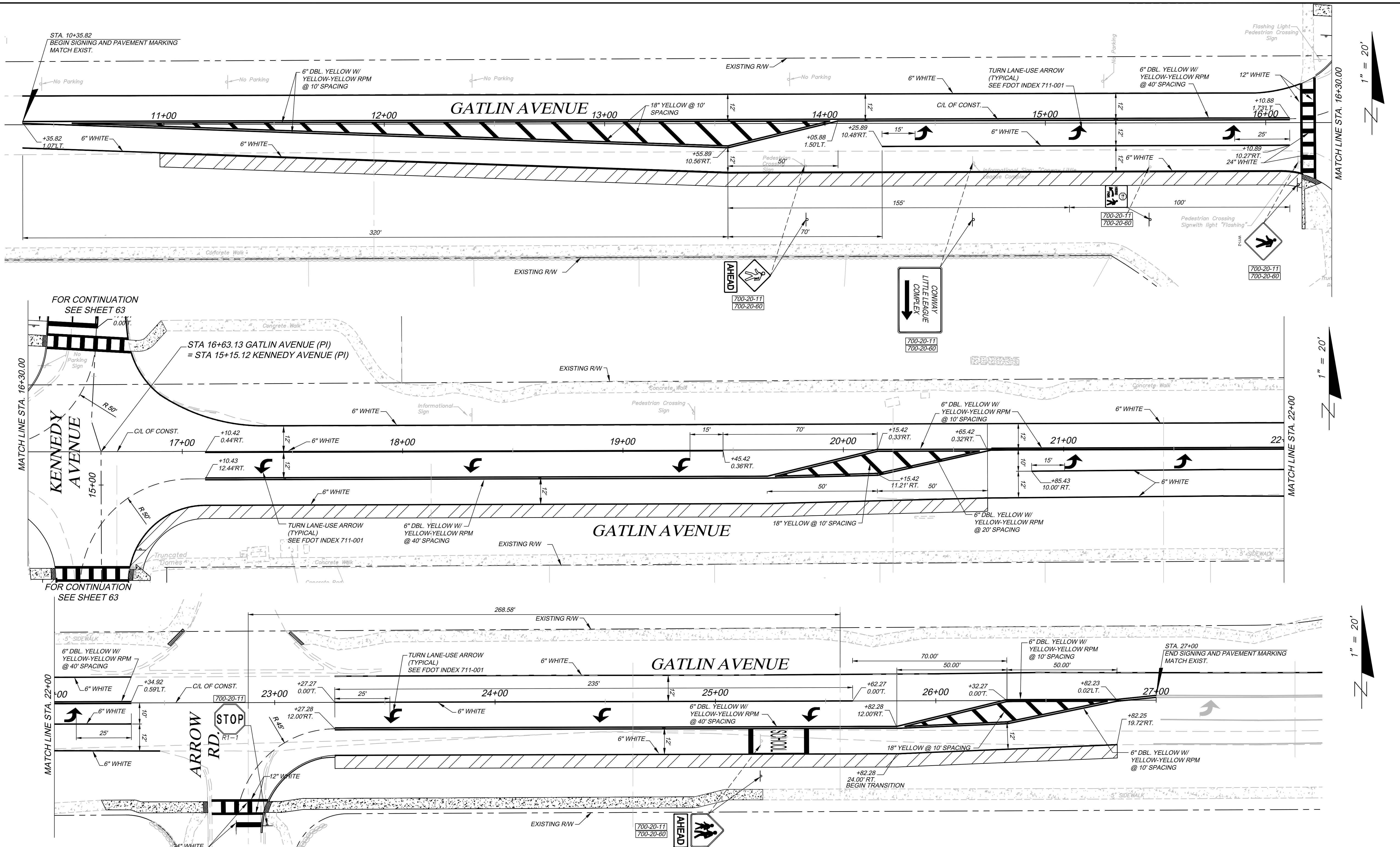
SIGNING AND PAVEMENT MARKING NOTES

1. FOR PAVEMENT MARKING AND SIGN INSTALLATION DETAILS REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION FY 2018-19 STANDARD PLANS.
2. ALL THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE ALKYD BASED THERMOPLASTIC.
3. ALL SURFACES SHALL BE CLEANED PRIOR TO THE START OF INSTALLATION OF ALL PAVEMENT MARKINGS.
4. ALL STRIPING SHALL BE APPLIED BEFORE REFLECTIVE PAVEMENT MARKERS ARE APPLIED.
5. FOR SIGN DETAILS REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PUBLISHED BY U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION LATEST EDITION.
6. ALL SIGNS SHALL BE LOCATED IN ACCORDANCE WITH HORIZONTAL CLEARANCE (CLEAR ZONES) AS SPECIFIED IN THE F.D.O.T. PLANS PREPARATION MANUAL.
7. FOR REFLECTED PAVEMENT MARKER PLACEMENT DETAILS, REFER TO F.D.O.T. STANDARD PLANS, INDEX NO. 706-001.
8. BITUMINOUS ADHESIVE SHALL BE USED TO SET REFLECTIVE PAVEMENT MARKERS ON ALL ASPHALT SURFACES.
9. THERMOPLASTIC PAVEMENT MARKINGS SHALL NOT BE INSTALLED UNTIL THE FINAL ASPHALT SURFACE HAS CURED FOR 30 DAYS. TEMPORARY PAINT PAVEMENT MARKINGS SHALL BE INSTALLED DURING THE CURE PERIOD. TEMPORARY PAINT PAVEMENT MARKINGS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE BID PRICES FOR THE THERMOPLASTIC PAVEMENT MARKINGS.
10. THERMOPLASTIC SKIPS ARE MEASURED IN NET FEET AND THERMOPLASTIC SOLID IS MEASURED IN NET FEET.
11. ALL EXISTING SIGNS SHALL BE MAINTAINED EXCEPT THOSE NOTED IN THE PLANS TO BE REPLACED OR RELOCATED.
12. UNDERGROUND CONDUIT IS TO BE INSTALLED PRIOR TO RESURFACING.
13. ALL SIGN SHALL BE CONSTRUCTED WITH TYPE IV B HIGH PERFORMANCE PRISMATIC REFLECTIVE SHEETING

PAY ITEM FOOTNOTES:

706-3-2 THIS ITEM SHALL INCLUDE THE REMOVAL OF ALL EXISTING RPMs WITHIN THE LIMITS OF THE PROJECT OPERATIONS.

REVISIONS						<div><div>FEG</div><div>FLORIDA ENGINEERING GROUP</div><div>Engineering the Future</div></div>	<div>5127 S. Orange Avenue, Suite 200 Orlando, FL 32809 Phone: 407-895-0324 Fax: 407-895-0325  www.feg-inc.us</div>	ORANGE COUNTY PUBLIC WORKS			SIGNING & PAVEMENT MARKING TABULATION OF QUANTITIES AND GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NAME	FEG PROJECT NO.	OCPW PROJECT NO.		61
								GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS	TA-12-004	2722		



REVISIONS			REVISIONS		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ORANGE COUNTY PUBLIC WORKS			SIGNING & PAVEMENT MARKING PLAN SHEET	SHEET NO.  62
PROJECT NAME		FEG PROJECT NO.		
GATLIN AVENUE, KENNEDY AVENUE AND ARROW ROAD INTERSECTION IMPROVEMENTS		TA-12-004		

OCPW PROJECT NO.  
2722



1" = 20'

