

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS
WASTEWATER SYSTEM PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A-1B	NOTES TO REVIEWERS
2	SUMMARY OF PAY ITEMS
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GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2010,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2010,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7/1/2011
For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign/>

CITY OF WINTER PARK, FLORIDA

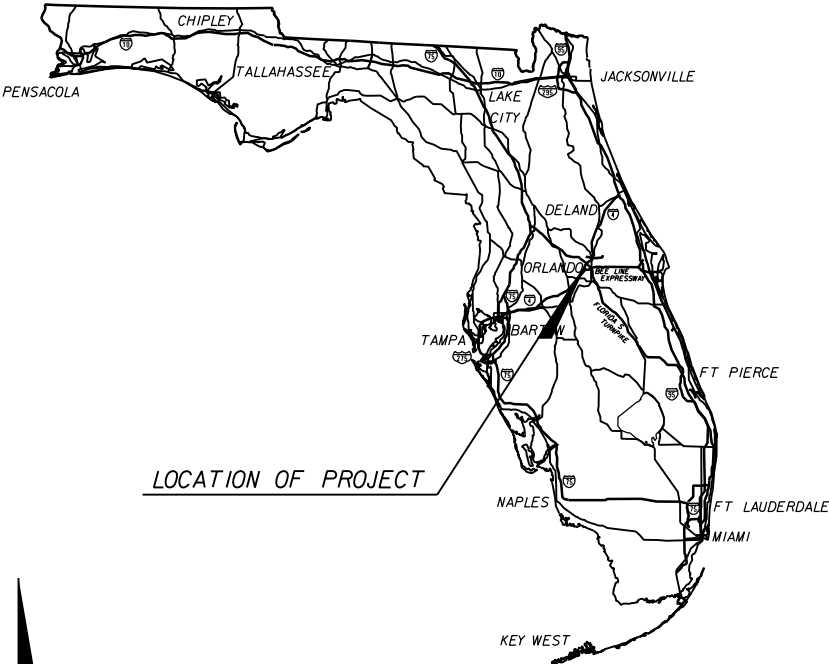
CONTRACT PLANS

FAIRBANKS AVENUE (S.R. 426)

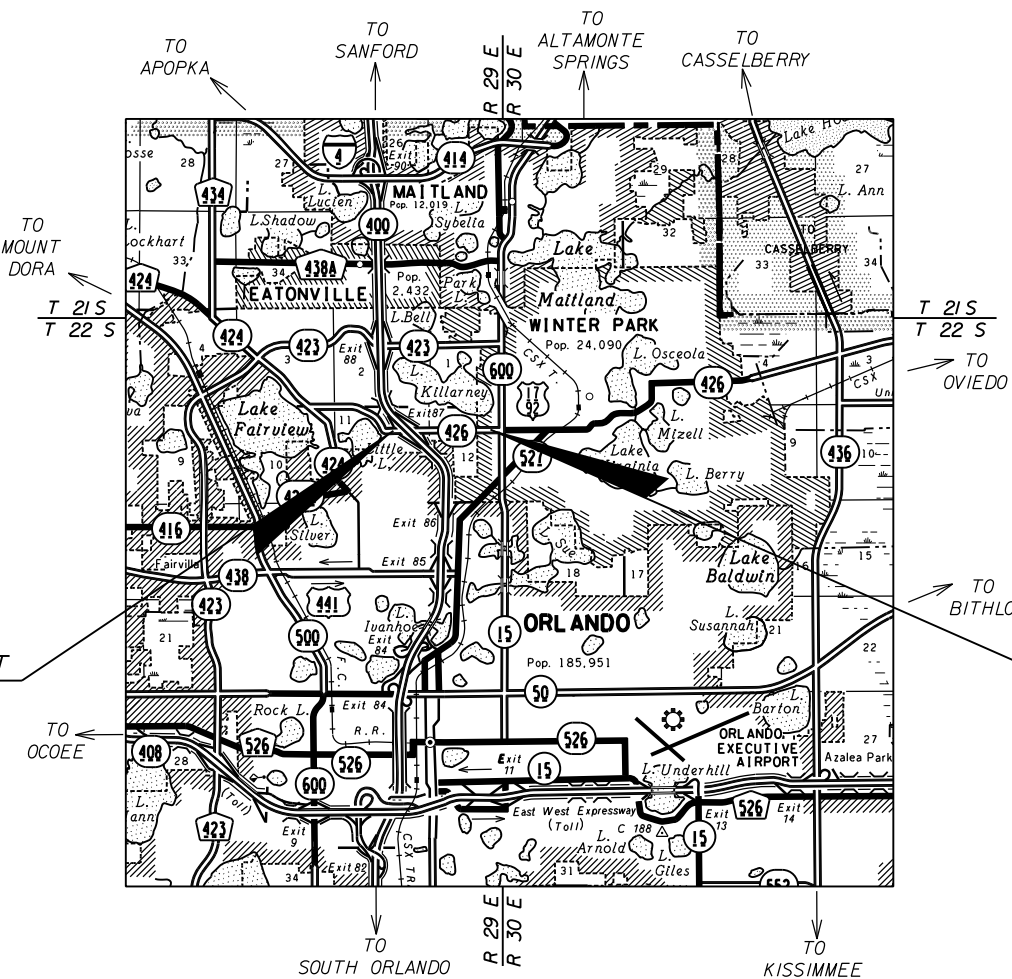
FROM I-4 TO US 17-92

FPID 423353-I-58-01

ORANGE COUNTY (75006)



LOCATION OF PROJECT



BEGIN PROJECT
STA. 96+37.05
MP = 0.000

END PROJECT
STA. 154+14.50
MP = 1.094

PROJECT LENGTH IS BASED ON $\frac{1}{2}$ OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5,777.45	1.094
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	5,777.45	1.094
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	5,777.45	1.094

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

CITY PROJECT MANAGER: DAVID L. ZUSI, P.E. FDOT PROJECT MANAGER: TUSHAR PATEL

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
KRYSTAL H. BURNS P.E.
CH2M HILL
225 E. ROBINSON ST.
SUITE 505
ORLANDO, FLORIDA 32801
(407) 423-0030

PLANS PREPARED BY:

CH2MHILL
225 E. ROBINSON ST.
SUITE 505
ORLANDO, FLORIDA 32801
(407) 423-0030

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

90% PLANS
MAY 2011

ROADWAY PLANS
ENGINEER OF RECORD: KRYSTAL H. BURNS

P.E. NO.: 60883

FISCAL YEAR	SHEET NO.
2012	1

NOTES TO REVIEWER

1. THE CITY OF WINTER PARK PROJECT IS PARTIALLY FUNDED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AS A 3R LIAISON PROJECT, FPID 423353-1-58-01.

2. THIS IS A 90% RE-SUBMITTAL DUE TO THE RECENT CITY OF WINTER PARK DECISION TO OMIT LANDSCAPING, IRRIGATION, AND RAISED MEDIANS FROM THE DESIGN. SEVERAL DESIGN ELEMENTS HAVE BEEN MAINTAINED, INCLUDING: TWO SIGNALIZATION UPGRADE TO MAST ARMS WITH SPECIAL EMPHASIS PEDESTRIAN CROSSINGS, CORRIDOR LIGHTING, AND WASTEWATER FORCE AND GRAVITY MAINS TO UPGRADE THE EXISTING USE OF SEPTIC TANKS.

3. EXISTING UTILITIES SHOWN IN THIS SUBMITTAL ARE BASED ON SURVEY AND MARK-UPS RECEIVED BY UTILITY REPRESENTATIVES.

4. LIGHTING DESIGN CRITERIA HAS BEEN TAILORED TO PROJECT-SPECIFIC CONSTRAINTS AND HAS BEEN REVIEWED AND APPROVED BY FDOT LIGHTING.

5. THE SCOPE OF THESE ROADWAY IMPROVEMENTS EXCLUDES:

* EXISTING DRIVEWAY RE-LOCATION AND WIDENING,

* AND EXISTING PAVEMENT CROSS SLOPE CORRECTION.

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			NOTES TO REVIEWER (A)	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		IA
							SR 426	ORANGE	2010-01		

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FOR REVIEWER
INFORMATION
ONLY

WASTEWATER ITEMS ARE EXCLUDED FROM THIS SUMMARY. CATEGORY ITEMS ARE SEPARATED FOR
ESTIMATING PURPOSES BY REIMBURSING AGENCY:
* FDOT REIMBURSABLES - 0200, 0300, 0500
* CITY OF WINTER PARK REIMBURSABLES - 0201, 0401, 0501

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Florida Department of Transportation Project Item List			
Finproj : 42335315801 - SR 426	Unit : E	Spec Year : 10	District : 05
Project Type : X3 - Resurfacing	Work Mix : RESURFACING		
Work Type : X3 - Resurfacing	Section : 75006000	Federal Aid # : N/A	Primary County : 75

ITEM	ALT	ITEM DESCRIPTION	UNITS	QUANTITY
Category: 0200 - ROADWAY				
Roadway Length: 1.0470 Roadway Width: .0000				
0101 1		MOBILIZATION (42335315201LS)	LS/	1.000
0102 1		MAINTENANCE OF TRAFFIC (42335315201LS)	LS/DA	1.000
0104 18		INLET PROTECTION SYSTEM	EA/	38.000
0110 1 1		CLEARING & GRUBBING (42335315201LS)	LS/AC	.059
0110 4		REMOVAL OF EXISTING CONCRETE PAVEMENT	SY/	478.000
0327 70 4		MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY/	3025.000
0327 70 6		MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY/	44028.000
0334 1 13		SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN/	249.500
0337 7 43		ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN/	3881.800
0520 1 10		CONCRETE CURB & GUTTER, TYPE F	LF/	926.000
0520 2 2		CONCRETE CURB, TYPE B	LF/	129.000
0522 1		SIDEWALK CONCRETE, 4" THICK	SY/	526.000
0527 1		DETECTABLE WARNING ON EXISTING WALKING SURFACE, RETROFIT	EA/	11.000
0536 85 24		GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	EA/	2.000
0544 75 40		CRASH CUSHION - OPTIONAL	EA/	2.000
Category: 0201 - ROADWAY				
Roadway Length: 1.0470 Roadway Width: .0000				
0101 1		MOBILIZATION (42335315801)	LS/	1.000
0102 1		MAINTENANCE OF TRAFFIC (42335315801)	LS/DA	1.000
0523 1 1		PATTERNED / TEXTURED PAVEMENT, ASPHALT	SY/	591.000
Category: 0300 - SIGNING				
0700 20 11		SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS/	10.000

PESPO06 05/27/2011-11.49.46		Florida Department of Transportation		Page:	2
		Project Item List			
Finproj : 42335315801 - SR 426	Unit : E	Spec Year : 10	District : 05		
Project Type : X3 - Resurfacing	Work Mix : RESURFACING				
Work Type : X3 - Resurfacing	Section : 75006000	Federal Aid # : N/A	Primary County : 75		

ITEM	ALT	ITEM DESCRIPTION	UNITS	QUANTITY
0700 20 12		SINGLE POST SIGN, F&I, 12-20 SF	AS/	4.000
0700 20 40		SINGLE POST SIGN, RELOCATE	AS/	11.000
0700 20 60		SINGLE POST SIGN, REMOVE	AS/	6.000
0705 11 1		DELINEATOR, FLEXIBLE TUBULAR	EA/	1.000
0710 90		PAINTED PAVEMENT MARKINGS, FINAL SURFACE (42335315801LS)	LS/	1.000
0711 12121		THERMOPLASTIC, REFURBISHMENT, WHITE, SOLID, 6"	LF/	385.000
0711 12123		THERMOPLASTIC, REFURBISHMENT, WHITE, SOLID, 12"	LF/	1704.000
0711 12125		THERMOPLASTIC, REFURBISHMENT, WHITE, SOLID, 24"	LF/	34.000
0711 12131		THERMOPLASTIC, REFURBISHMENT, WHITE, SKIP, 6"	GM/	.065
0711 12170		THERMOPLASTIC, REFURBISH, WHITE, ARROWS	EA/	6.000
Category: 0401 - LIGHTING				
0555 1 1		DIRECTIONAL BORE, LESS THAN 6"	LF/	4719.000
0715 1 12		LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF/	14157.000
0715 2 12		LIGHTING - CONDUIT, F&I, UNDER EXISTING PAVEMENT SAWCUT	LF/	4719.000
0715 7 11		LOAD CENTER, F&I, SECONDARY VOLTAGE	EA/	3.000
0715 11500		LUMINAIRE, REMOVE	EA/	4.000
0715 14 11		LIGHTING - PULL BOX, F&I, ROADSIDE-MOULDED	EA/	1.000
0715 14 12		LIGHTING - PULL BOX, F&I, SIDEWALK	EA/	29.000
071511230		LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, GALVANIZED STEEL, 30'	EA/	44.000
Category: 0500 - SIGNALIZATION				
0630 1 12		CONDUIT - SIGNALS, FURNISH & INSTALL, UNDERGROUND	LF/	1375.000
0630 1 13		CONDUIT - SIGNALS, FURNISH & INSTALL, SAWCUT & PLACE UNDER EXISTING	LF/	131.000

PESPO06 05/27/2011-11.49.46		Florida Department of Transportation Project Item List		Page: 3
Finproj : 42335315801 - SR 426	Unit : E	Spec Year : 10	District : 05	
Project Type : X3 - Resurfacing	Work Mix : RESURFACING			
Work Type : X3 - Resurfacing	Section : 75006000	Federal Aid # : N/A	Primary County : 75	

ITEM	ALT	ITEM DESCRIPTION	UNITS	QUANTITY
PAVEMENT				
0630 1 14		CONDUIT, SIGNALS, F & I, UNDERGROUND -JACKED	LF/	768.000
0635 1 11		PULL & JUNCTION BOXES, F&I, PULL BOX	EA/	23.000
0653191		PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 1 DIRECTION	AS/	2.000
0659107		SIGNAL HEAD AUXILIARIES, F&I, ALUMINUM PEDESTAL	EA/	4.000
0660 2102		LOOP ASSEMBLY, F&I, TYPE B	AS/	8.000
0660 2106		LOOP ASSEMBLY, F&I, TYPE F	AS/	7.000
0665 12		PEDESTRIAN DETECTOR, F&I, DETECTOR STATION WITH POST & SIGN	EA/	3.000
0665 13		PEDESTRIAN DETECTOR, F&I, DETECTOR WITH SIGN ONLY	EA/	7.000
0665 40		PEDESTRIAN DETECTOR, RELOCATE	EA/	1.000
0690 20		SIGNAL PEDESTRIAN ASSEMBLY REMOVAL	EA/	3.000
0690 70		DETECTOR PEDESTRIAN ASSEMBLY REMOVE	EA/	3.000
0690100		SIGNAL EQUIPMENT MISCELLANEOUS REMOVE	PI/	2.000
0741 70111		TMS VEHICLE SENSOR, CLASS II, F&I, TYP 1, 1/2 LN	EA/	4.000
0745 70 12		TMS INDUCTIVE LOOP ASSEM, F&I, 2 LOOPS / LANE	AS/	16.000
0746 71131		TMS CABINET, F&I, TYPE III, PEDESTAL MNT, 1 BACKPLANE	EA/	2.000
Category: 0501 - SIGNALIZATION				

0630 1 12		CONDUIT - SIGNALS, FURNISH & INSTALL, UNDERGROUND	LF/	480.000
0630 1 13		CONDUIT - SIGNALS, FURNISH & INSTALL, SAWCUT & PLACE UNDER EXISTING	LF/	300.000
PAVEMENT				
0630 1 14		CONDUIT, SIGNALS, F & I, UNDERGROUND -JACKED	LF/	451.000
0632 7 1		CABLE, SIGNAL, FURNISH & INSTALL	PI/	2.000
0635 1 11		PULL & JUNCTION BOXES, F&I, PULL BOX	EA/	15.000
0639 1 21		SIGNALS, ELECTRICAL POWER SERVICE, UNDERGROUND, METER FURNISHED BY POWER	AS/	2.000

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Florida Department of Transportation Project Item List			
Finproj : 42335315801 - SR 426		Unit : E	Spec Year : 10
Project Type : X3 - Resurfacing		District : 05	
Work Type : X3 - Resurfacing		Work Mix : RESURFACING	
Section : 75006000		Federal Aid # : N/A	Primary County : 75

ITEM	ALT	ITEM DESCRIPTION	UNITS	QUANTITY
COMPANY				
0639 2 1		SIGNALS, ELECTRICAL SERVICE WIRE	LF/	591.000
0641 2 12		PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA/	2.000
0649 31214		MAST ARM, F&I, WIND SPEED-130, DOUBLE ARM, W/O LUMINAIRE, 46' AND 46'	EA/	1.000
0649 31215		MAST ARM, F&I, WIND SPEED-130, DOUBLE ARM, W/O LUMINAIRE, 46-60	EA/	1.000
0649 31216		MAST ARM, F&I, WIND SPEED-130, DOUBLE ARM, W/O LUMINAIRE, 46-70.5	EA/	1.000
0649 31217		MAST ARM, F&I, WIND SPEED-130, DOUBLE ARM, W/O LUMINAIRE, 60-60	EA/	1.000
0650 51311		TRAFFIC SIGNAL, F&I, 3 SECTION, 1 WAY, STANDARD	AS/	15.000
0650 51411		TRAFFIC SIGNAL, F&I, 4 SECT 1 WAY, STD	AS/	3.000
0653191		PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 1 DIRECTION	AS/	5.000
0653192		PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 2 DIRECTIONS	AS/	6.000
0659106		SIGNAL HEAD AUXILIARIES, F&I, TUNNEL VISOR	EA/	57.000
0659107		SIGNAL HEAD AUXILIARIES, F&I, ALUMINUM PEDESTAL	EA/	5.000
0660 2106		LOOP ASSEMBLY, F&I, TYPE F	AS/	2.000
0663 74 11		VEHICLE DETECTOR ASSEM, F&I, OPTICAL TYPE	EA/	8.000
0665 12		PEDESTRIAN DETECTOR, F&I, DETECTOR STATION WITH POST & SIGN	EA/	1.000
0665 13		PEDESTRIAN DETECTOR, F&I, DETECTOR WITH SIGN ONLY	EA/	8.000
0665 40		PEDESTRIAN DETECTOR, RELOCATE	EA/	1.000
0670 5110		TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS/	2.000
0690 10		SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	EA/	12.000
0690 20		SIGNAL PEDESTRIAN ASSEMBLY REMOVAL	EA/	3.000
0690 32 1		POLE REMOVAL, SHALLOW, DIRECT BURIAL	EA/	4.000
0690 50		CONTROLLER ASSEMBLY, REMOVE, COMPLETE ASSEMBLY	EA/	2.000
0690 60		DETECTOR VEHICLE ASSEMBLY REMOVE	EA/	20.000
0690 70		DETECTOR PEDESTRIAN ASSEMBLY REMOVE	EA/	4.000

PESPO06 05/27/2011-11.49.46		Florida Department of Transportation Project Item List		Page: 5
Finproj : 42335315801 - SR 426		Unit : E	Spec Year : 10	District : 05
Project Type : X3 - Resurfacing		Work Mix : RESURFACING		
Work Type : X3 - Resurfacing		Section : 75006000	Federal Aid # : N/A	Primary County : 75

ITEM	ALT	ITEM DESCRIPTION	UNITS	QUANTITY
0690 80		SPAN WIRE ASSEMBLY, REMOVE	EA/	2.000
0690 90		CONDUIT & CABLING REMOVE	PI/	2.000
0699 1 1		INTERNAL ILLUM SIGN, FURNISH & INSTALL, STREET NAME	EA/	8.000

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			SHEET NO. IB
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.	
							SR 426	ORANGE	2010-01	
NOTES TO REVIEWER (B)										

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
ROADWAY			
0101 1	MOBILIZATION	1	LS
0102 1	MAINTENANCE OF TRAFFIC	1	LS
0104 18	INLET PROTECTION SYSTEM	38.00	EA
0110 1 1	CLEARING & GRUBBING	0.06	AC
0110 4	REMOVAL OF EXISTING CONCRETE PAVEMENT	478.00	SY
0327 70 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	3025	SY
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	44028	SY
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	249.5	TN
0337 7 43	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	3881.8	TN
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	926	LF
0520 2 2	CONCRETE CURB, TYPE B	129	LF
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	194	SY
0522 1	SIDEWALK CONCRETE, 4" THICK	526	SY
0523 1 1	PATTERNED / TEXTURED PAVEMENT, ASPHALT	591	SY
0527 1	DETECTABLE WARNING ON EXISTING WALKING SURFACE, RETROFIT	11	EA
0536 85 24	GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	2	EA
0544 75 40	CRASH CUSHION - OPTIONAL	2	EA

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
SIGNING AND MARKING			
0700 20 11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	10	AS
0700 20 12	SINGLE POST SIGN, F&I, 12-20 SF	4	AS
0700 20 40	SINGLE POST SIGN, RELOCATE	11	AS
0700 20 60	SINGLE POST SIGN, REMOVE	6	AS
0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	1	EA
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	1	LS
0711 12121	THERMOPLASTIC, REFURBISHMENT, WHITE, SOLID, 6"	2	LF
0711 12123	THERMOPLASTIC, REFURBISHMENT, WHITE, SOLID, 12"	3	LF
0711 12125	THERMOPLASTIC, REFURBISHMENT, WHITE, SOLID, 24"	4	LF
0711 12131	THERMOPLASTIC, REFURBISHMENT, WHITE, SKIP, 6"	5	GM
0711 12170	THERMOPLASTIC, REFURBISH, WHITE, ARROWS	6	EA

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
LIGHTING			
0555 1 1	DIRECTIONAL BORE, LESS THAN 6"	4719	LF
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	14157	LF
0715 2 11	LIGHTING - CONDUIT, F&I, UNDERGROUND	4719	LF
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	3	EA
0715 11500	LUMINAIRE, REMOVE	4	EA
0715 14 11	LIGHTING - PULL BOX, F&I, ROADSIDE-MOULDED	1	EA
0715 14 12	LIGHTING - PULL BOX, F&I, SIDEWALK	29	EA
0715511230	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER	44	EA

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
SIGNALIZATION			
0630 1 12	CONDUIT - SIGNALS, FURNISH & INSTALL, UNDERGROUND	188	LF
0630 1 13	CONDUIT - SIGNALS, FURNISH & INSTALL, SAWCUT & PLACE UNDER	429	LF
0630 1 14	CONDUIT, SIGNALS, F & I, UNDERGROUND -JACKED	2870	LF
0632 7 1	CABLE, SIGNAL, FURNISH & INSTALL	2	PI
0635 1 11	PULL & JUNCTION BOXES, F&I, PULL BOX	37	EA
0639 1 21	SIGNALS, ELECTRICAL POWER SERVICE, UNDERGROUND, METER	2	AS
0639 2 1	SIGNALS, ELECTRICAL SERVICE WIRE	591	LF
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	2	EA
0649 31214	MAST ARM,F&I, WIND SPEED-130,DOUBLE ARM,W/O LUMINAIRE, 46' AND 46'	1	EA
0649 31215	MAST ARM,F&I, WIND SPEED-130,DOUBLE ARM,W/O LUMINAIRE, 46-60	1	EA
0649 31216	MAST ARM,F&I, WIND SPEED-130,DOUBLE ARM,W/O LUMINAIRE, 46-70.5		EA
0649 31217	MAST ARM,F&I, WIND SPEED-130,DOUBLE ARM,W/O LUMINAIRE, 60-60	1	EA
0650 51311	TRAFFIC SIGNAL, F&I, 3 SECTION, 1 WAY, STANDARD	16	AS
0650 51411	TRAFFIC SIGNAL, F&I, 4 SECT 1 WAY, STD	2	AS
0653191	PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 1 DIRECTION	7	AS
0653192	PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 2 DIRECTIONS	6	AS
0659106	SIGNAL HEAD AUXILIARIES, F&I, TUNNEL VISOR	58	EA
0659107	SIGNAL HEAD AUXILIARIES, F&I, ALUMINUM PEDESTAL		EA
0660 2102	LOOP ASSEMBLY, F&I, TYPE B	8	AS
0660 2106	LOOP ASSEMBLY, F&I, TYPE F	9	AS
0663 74 11	VEHICLE DETECTOR ASSEM, F&I, OPTICAL TYPE	8	EA
0665 12	PEDESTRIAN DETECTOR, F&I, DETECTOR STATION WITH POST & SIGN	19	EA
0665 13	PEDESTRIAN DETECTOR, F&I, DETECTOR WITH SIGN ONLY		EA
0665 40	PEDESTRIAN DETECTOR, RELOCATE	2	EA
0670 5110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	2	AS
0690 10	SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	12	EA
0690 20	SIGNAL PEDESTRIAN ASSEMBLY REMOVAL	6	EA
0690 32 1	POLE REMOVAL, SHALLOW, DIRECT BURIAL	4	EA
0690 50	CONTROLLER ASSEMBLY, REMOVE, COMPLETE ASSEMBLY	2	EA
0690 60	DETECTOR VEHICLE ASSEMBLY REMOVE	20	EA
0690 70	DETECTOR PEDESTRIAN ASSEMBLY REMOVE	7	EA
0690 80	SPAN WIRE ASSEMBLY, REMOVE	2	EA
0690 90	CONDUIT & CABLING REMOVE	2	PI
0690100	SIGNAL EQUIPMENT MISCELLANOUS REMOVE	2	PI
0699 1 1	INTERNAL ILLUM SIGN, FURNISH & INSTALL, STREET NAME	8	EA
0741 70111	TMS VEHICLE SENSOR, CLASS II, F&I, TYP 1, 1/2 LN	2	EA
0745 70 12	TMS INDUCTIVE LOOP ASSEM, F&I, 2 LOOPS / LANE	8	AS
0746 71131	TMS CABINET,F&I, TYPE III, PEDESTAL MNT, 1 BACKPLANE	2	EA

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			SUMMARY OF PAY ITEMS	SHEET NO. 2
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		

GENERAL NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. TOPOGRAPHIC FEATURES AND EXISTING UTILITY DATA FROM BEGIN PROJECT TO STA. 102+78.50 ARE BASED ON LIMITED SURVEY INFORMATION AND SHALL BE FIELD-VERIFIED BY THE CONTRACTOR.
3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, and Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS / ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
4. EXISTING UTILITIES, WHETHER SHOWN OR NOT, ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS LISTED BELOW THROUGH SUNSHINE ONE CALL OF FLORIDA, INC. (1-800-432-4770) TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE:

UTILITY AGENCY OWNER	TELEPHONE NUMBER
CENTURY LINK (f/k/a EMBARQ FLORIDA)	(407) 830-3650
CITY OF WINTER PARK	(407) 559-3240
TECO PEOPLES GAS	(407) 420-2678

THE FOLLOWING LIST OF UTILITY COMPANIES HAVE FACILITIES WITHIN THE PROJECT LIMITS. IT HAS BEEN DETERMINED THAT NO RELOCATION IS ANTICIPATED BY THE FOLLOWING COMPANIES FOR THIS PROJECT:

UTILITY AGENCY OWNER	TELEPHONE NUMBER
AT&T Corp/ PEA (Long Distance)	(813) 342-0512
AT&T FLORIDA	(407) 273-5084
BRIGHT HOUSE NETWORKS, LLC	(407) 532-8509
PROGRESS ENERGY (TRANSMISSION)	(407) 942-9243
PROGRESS ENERGY (DISTRIBUTION)	(407) 942-9421
T W TELECOM	(407) 215-6895
VERIZON BUSINESS	(407) 541-2083

6. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/ RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY WORK SCHEDULE, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THE PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE PROJECT.
7. STATIONS AND OFFSETS REFER TO THE @ SURVEY UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
9. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED. THE LOCATIONS OF THE EXISTING DRAINAGE STRUCTURES SHOWN IN THE PLANS ARE BASED ON LIMITED SURVEY AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
10. WHEN MILLING NEAR EXISTING CURB INLETS, CONTRACTOR SHALL MAINTAIN THE EXISTING SLOPE CONDITIONS.
11. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ANY MATERIAL PRODUCED DURING DEMOLITION OR CONSTRUCTION FROM BEING DISCHARGED OFFSITE. UTILIZE FDOT DESIGN STANDARD INDEX 104.
12. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EMPLOYED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OR SEDIMENT OFF THE SITE, AND TO MEET STATE WATER QUALITY STANDARDS.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES. DELINEATED MEASURES ARE THE MINIMUM REQUIRED, ADDITIONAL CONTROLS ARE TO BE UTILIZED AS NEEDED. THE MAINTENANCE OF THESE DEVICES WILL OCCUR UNTIL CITY OF WINTER PARK HAS DEEMED THE AREA PERMANENTLY STABILIZED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES WHEN CONSTRUCTION IS COMPLETE AND ACCEPTED BY THE CITY OF WINTER PARK.
14. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND, AND DEBRIS DURING CONSTRUCTION. ANY ACCUMULATION WITHIN THE STORM DRAINAGE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING INTO SURFACE WATERS. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO ACCEPTANCE BY THE CITY OF WINTER PARK.
15. USE ONLY UNDILUTED EMULSIFIED ASPHALT TACK COAT CRS-1h OR NTSS-1hm IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 300 AND SECTION 916 OF THE SPECIFICATIONS.

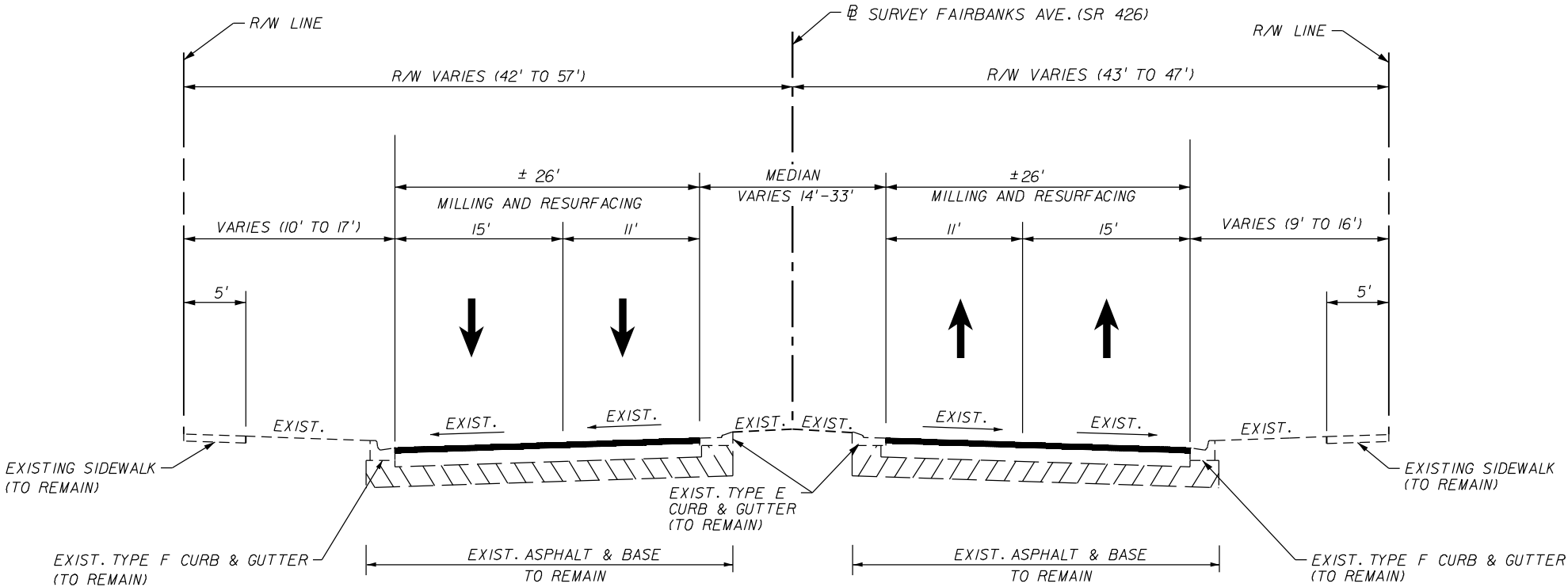
PAY ITEM NOTES

1. 102-1 COST OF MAINTENANCE OF TRAFFIC SHALL INCLUDE ALL ITEMS TO MAINTAIN TRAFFIC AS WELL AS MEDIAN PAVEMENT WIDENING (PHASE 11A) STA 101+38 TO STA 103+60. NO INDIVIDUAL TCP ITEMS HAVE BEEN SEPARATELY QUANTIFIED IN THE PLANS.
- PAYMENT FOR ALL TRENCHING AND RESTORATION AS REQUIRED FOR GRAVITY AND FORCE MAIN CONSTRUCTION IS INCLUDED IN THE WASTEWATER LUMP SUM AND DETAILED IN THE WASTEWATER COMPONENT PLANS.
2. 520-1-10 COST OF ASPHALT CURB PAD AND ADDITIONAL CURB THICKNESS REQUIRED TO BE INCLUDED IN THE COST OF CURB AND GUTTER. THE ENGINEER MAY ALLOW, AT NO ADDITIONAL COST TO THE DEPARTMENT OR THE CITY OF WINTER PARK, THE SUBSTITUTION OF 5 INCHES OF RAP BASE IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 283 FOR THE ASPHALT CURB PAD.
- 520-2-2

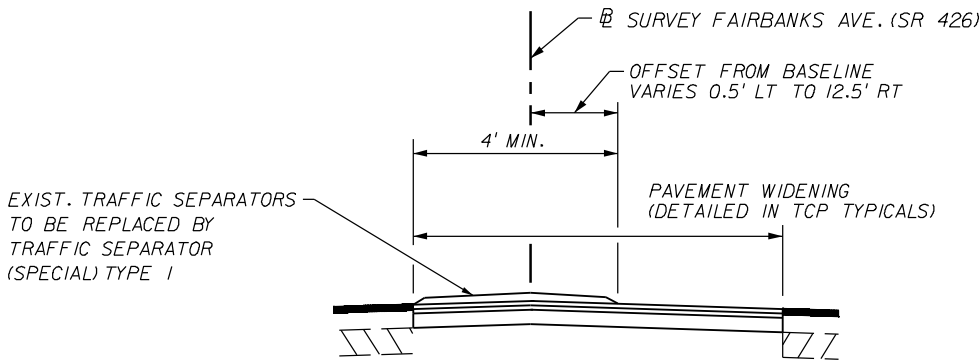
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		3

TRAFFIC DATA	
CURRENT YEAR	= 2008 AADT = 27,200
ESTIMATED OPENING YEAR	= 2011 AADT = 28,300
ESTIMATED DESIGN YEAR	= 2025 AADT = 33,300
K = 9.20% D = 61.60% T = 4.32% (24 HOUR)	
DESIGN HOUR T = 2.46%	
DESIGN SPEED = 40 MPH	
POSTED SPEED = 35 MPH	

MILLING
MILL EXISTING ASPHALT PAVEMENT (1.5" DEPTH)
RESURFACING
AND FRICTION COURSE FC-12.5 (TRAFFIC C)(1.5")(PG76-22)
PAVEMENT WIDENING (MEDIANS ONLY)
DETAILED IN TCP TYPICAL SECTIONS



TYPICAL SECTION
STA. 96+20.00 TO STA. 103+60.00



TRAFFIC SEPARATOR REPLACEMENT
STA. 102+35.31 TO STA. 103+57.60

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		
											4

TRAFFIC DATA

CURRENT YEAR = 2008 AADT = 27,200
ESTIMATED OPENING YEAR = 2011 AADT = 28,300
ESTIMATED DESIGN YEAR = 2025 AADT = 33,300
K = 9.20% D = 61.60% T = 4.32% (24 HOUR)
DESIGN HOUR T = 2.46%
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

MILLING

MILL EXISTING ASPHALT PAVEMENT (1.5" DEPTH)

RESURFACING

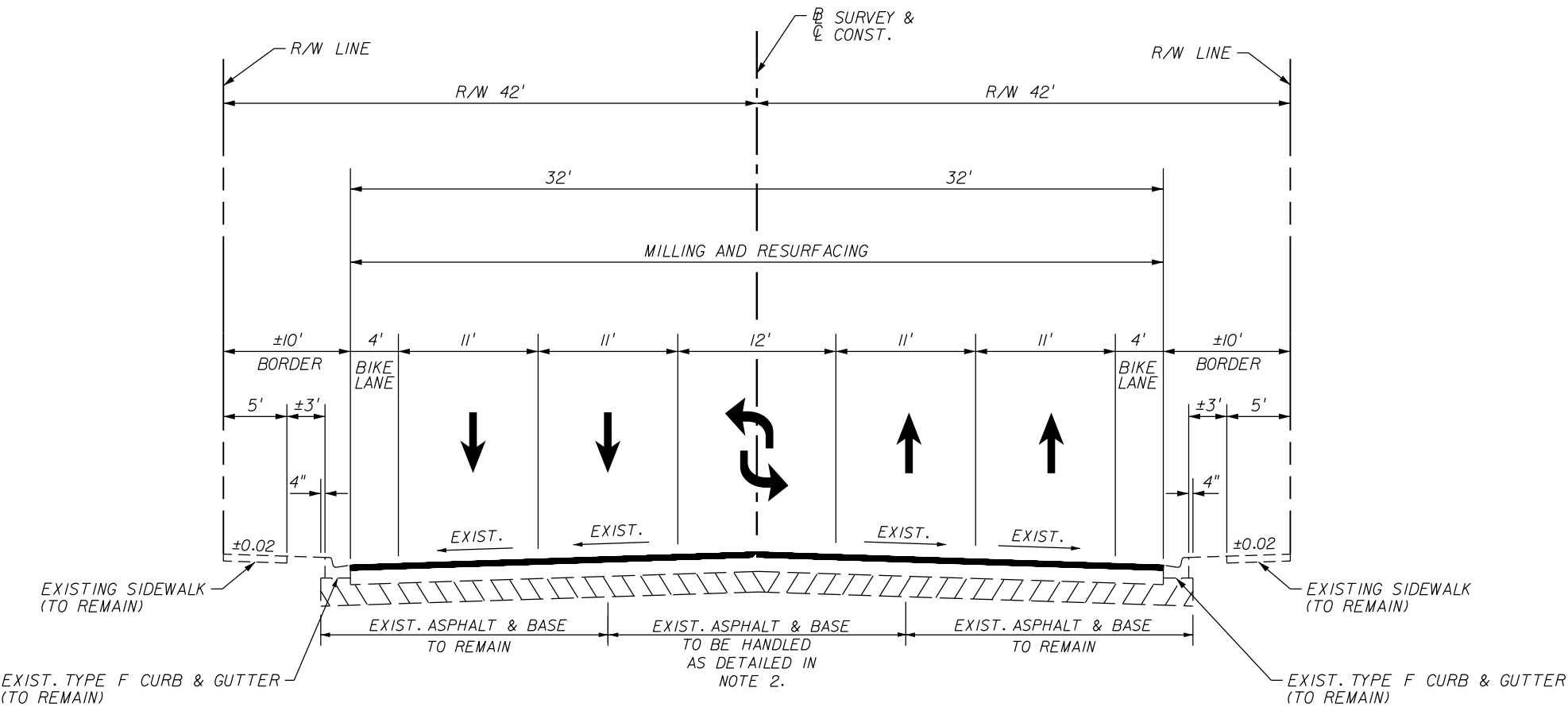
AND FRICTION COURSE FC-I2.5 (TRAFFIC C) (1.5") (PG76-22)

STA 130+15 TO STA 134+40 ONLY
(SEE NOTE 1)
MILLING

MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")
AND FRICTION COURSE FC-I2.5 (TRAFFIC C) (1.5") (PG76-22)



TYPICAL SECTION
FAIRBANKS AVE. (SR 426)
STA. 103+60.00 TO STA. 151+64.57

NOTES

1. IMMEDIATELY FOLLOWING 3" MILLING AND PRIOR TO NEW ASPHALT INSTALLATION, CONTRACTOR SHALL CONFIRM ADEQUATE DENSITIES ARE PRESENT AND IF NECESSARY ESTABLISH ADEQUATE DENSITIES PER THE SPECIFICATIONS.
2. FROM STA 103+60 TO STA 141+00, EXISTING ASPHALT AND BASE TO BE REMOVED DURING TCP PHASE IIA UTILITY MAINS TRENCH OPERATION AND RESTORED AS DETAILED IN WASTEWATER SYSTEM PLANS.

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		
											5

DETECTABLE WARNINGS		
STATION	SIDE	EA
± 97+21	LT	1
± 97+47	LT	1
± 97+88	LT	1
± 98+50	RT	1
± 101+34	LT	1
± 101+70	LT	1
± 138+85	RT	1
± 139+50	RT	1
± 140+00	LT	1
± 140+25	LT	1
± 142+63	LT	1
TOTAL		11

INLET PROTECTION		
STATION	SIDE	EA
96+92.05	LT	1
97+96.37	RT	1
101+30.43	LT	1
102+40.04	RT	1
103+35.06	RT	1
104+35.45	LT	1
106+89.15	RT	1
108+75.63	RT	1
108+87.82	LT	1
110+58.63	RT	1
111+82.99	LT	1
112+48.45	RT	1
118+27.82	RT	1
118+41.02	LT	1
121+01.10	RT	1
121+11.98	LT	1
124+18.29	RT	1
124+30.93	LT	1
127+45.56	RT	1
127+73.59	LT	1
127+80.12	RT	1
129+58.31	LT	1
129+79.20	RT	1
130+10.77	RT	1
132+60.67	RT	1
132+70.93	LT	1
133+22.73	RT	1
135+84.12	RT	1
136+15.28	LT	1
136+44.62	RT	1
142+42.20	RT	1
142+43.76	LT	1
145+64.22	RT	1
145+78.44	LT	1
146+09.42	LT	1
146+31.14	RT	1
148+04.45	RT	1
148+14.67	LT	1
TOTAL		38

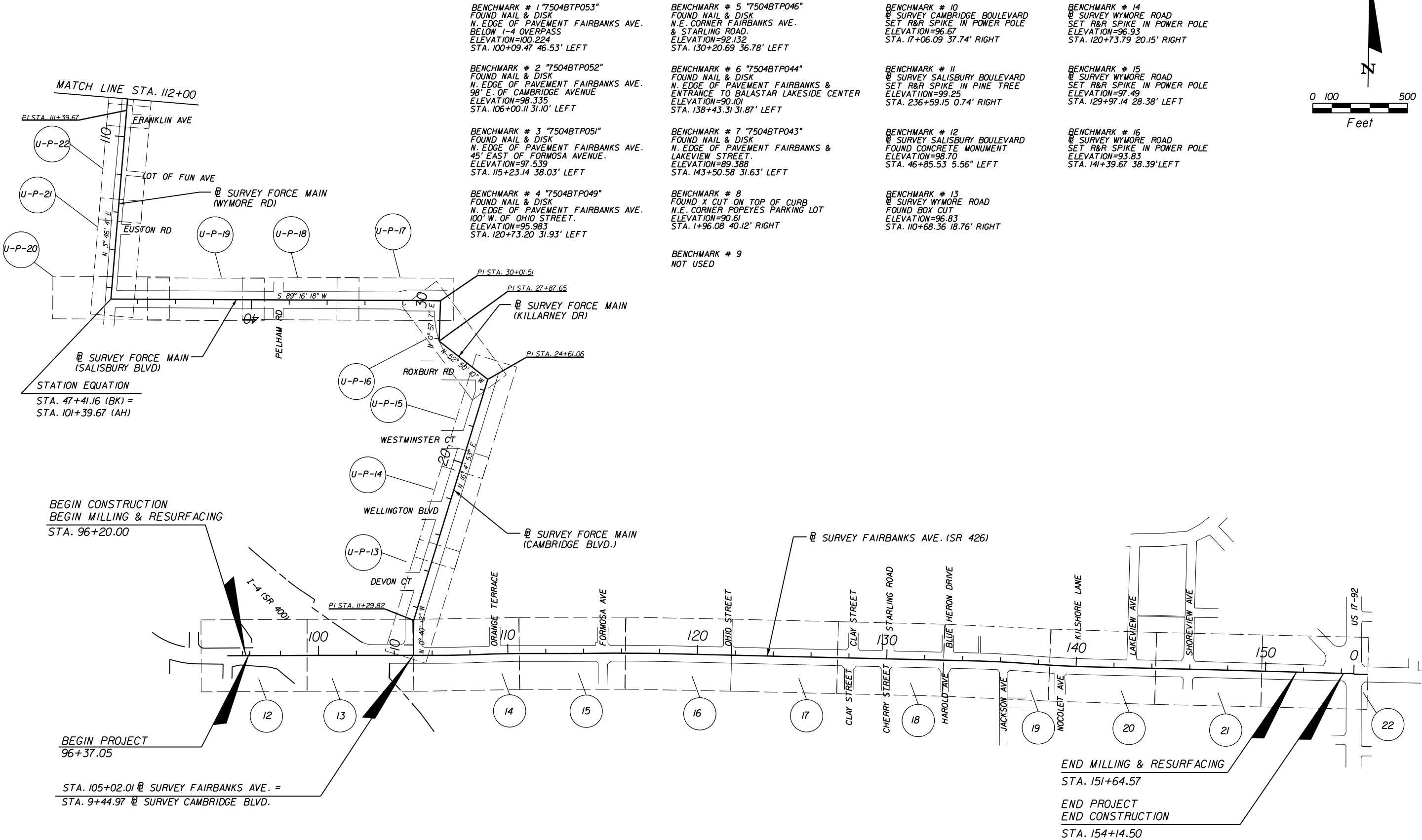
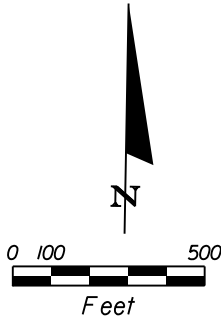
SUMMARY OF GUARDRAIL																	
LOCATION		GUARDRAIL (LF)						END ANCHORAGE ASSEMBLIES (EA)								REMARKS	FIELD BOOK REFERENCE
STATION	SIDE	ROADWAY		ROADWAY, DOUBLE FACE		MOD. THRIE BEAM, DOUBLE FACE		FLARED		PARALLEL		TYPE II		TYPE CRT			
		P	F	P	F	P	F	P	F	P	F	P	F	P	F		
FROM ± 99+86	RT									1							
TO																	
FROM ± 100+31	LT									1							
TO																	
FROM																	
TO																	
FROM																	
TO																	
TOTAL										2							

SUMMARY OF PERMANENT CRASH CUSHIONS												
LOCATION	SIDE	DESIGN SPEED	OPTIONS ALLOWED	TRANSITION REQUIRED Y/N	PAY ITEMS							
STATION					544-75-40		544-75-22		544-75-9		544-75-14	
					P	F	P	F	P	F	P	F
± 99+35	MED	40 MPH			1							
± 100+84	MED	40 MPH			1							
TOTAL					2							

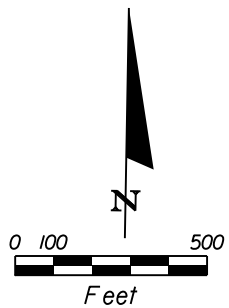
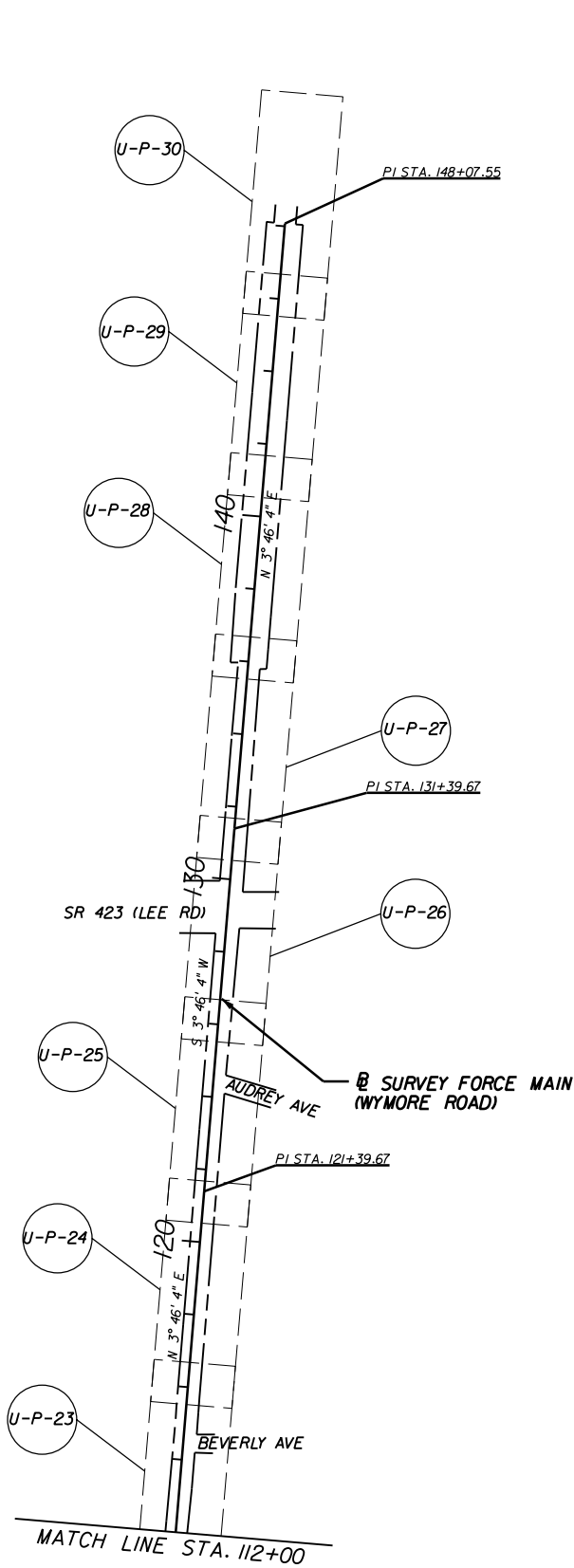
NOTE: FOR PAY ITEM NOTES SEE GENERAL NOTES SHEET.

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			SUMMARY OF QUANTITIES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		6
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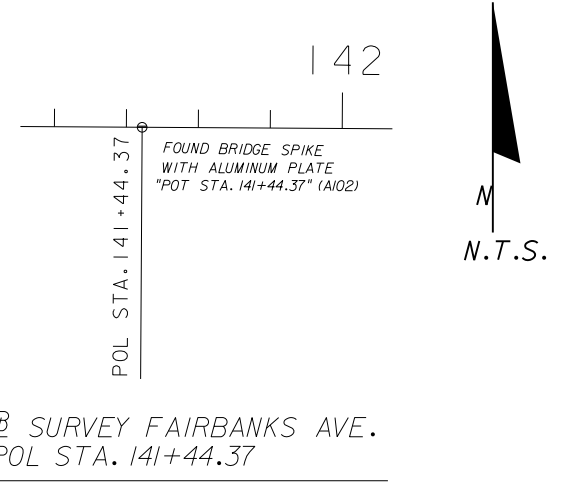
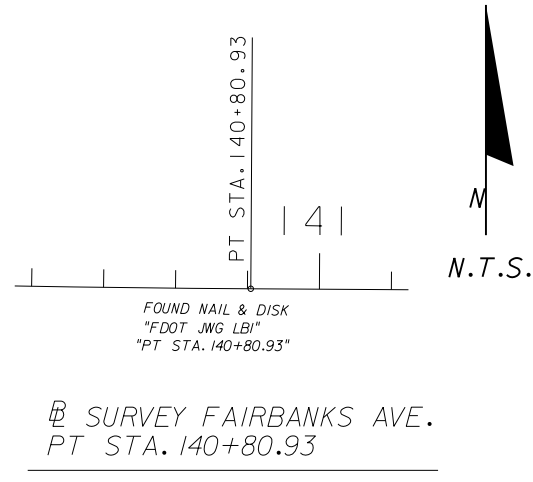
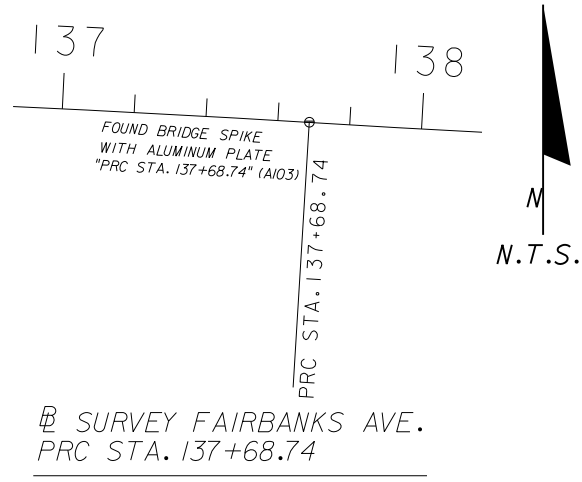
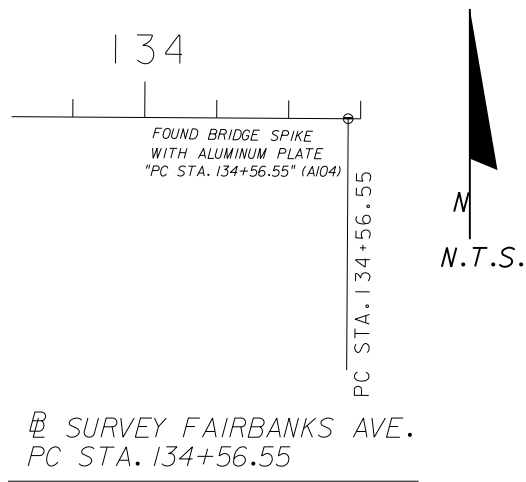
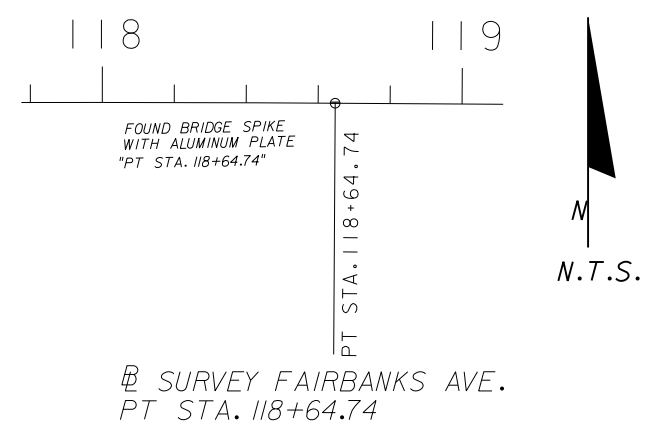
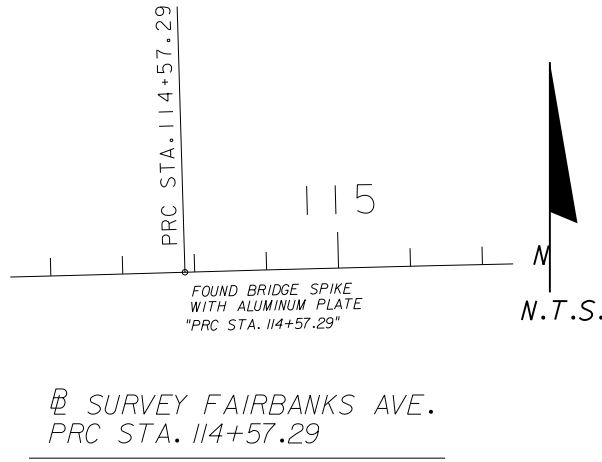
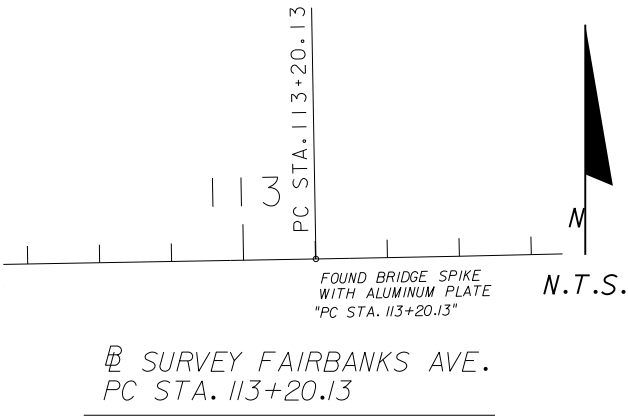
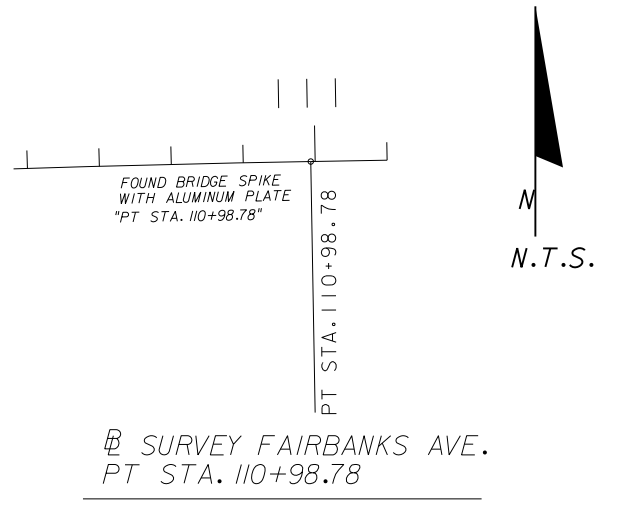
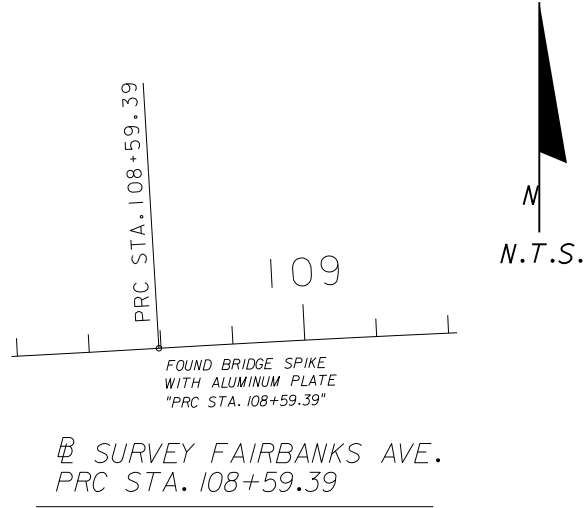
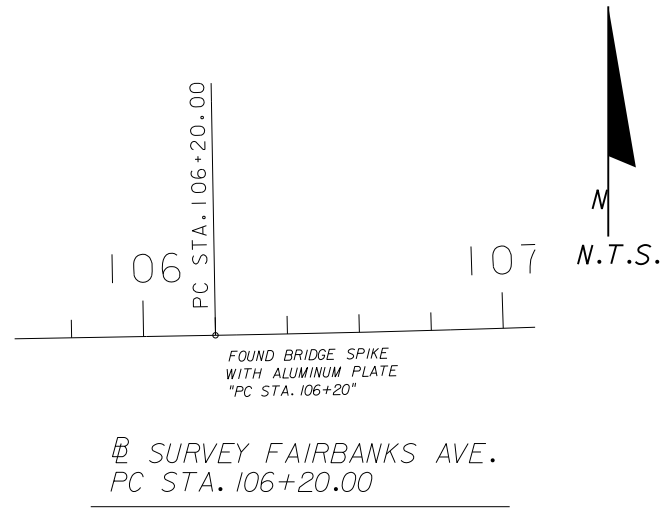
BENCH MARK DATA



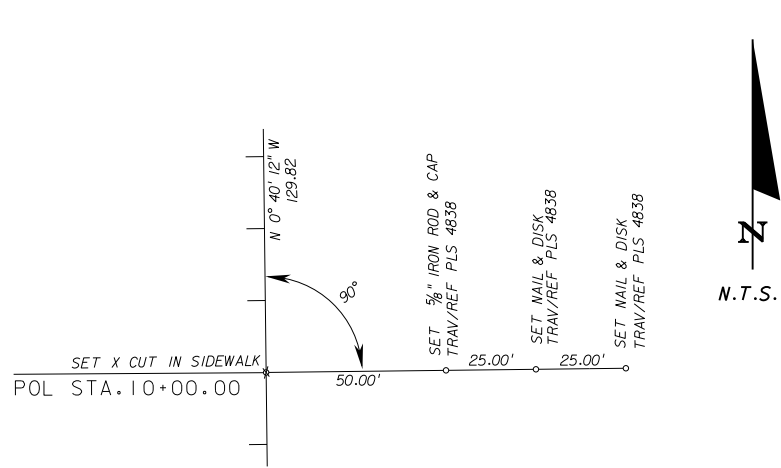
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						



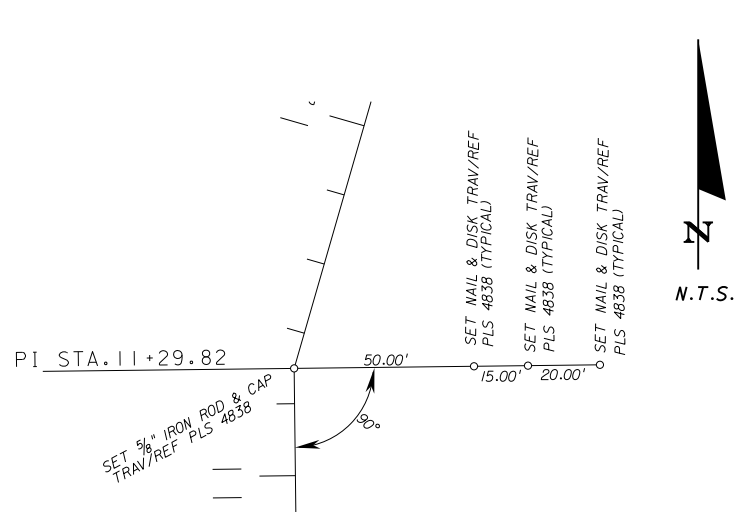
R E V I S I O N S						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			PROJECT LAYOUT	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		8
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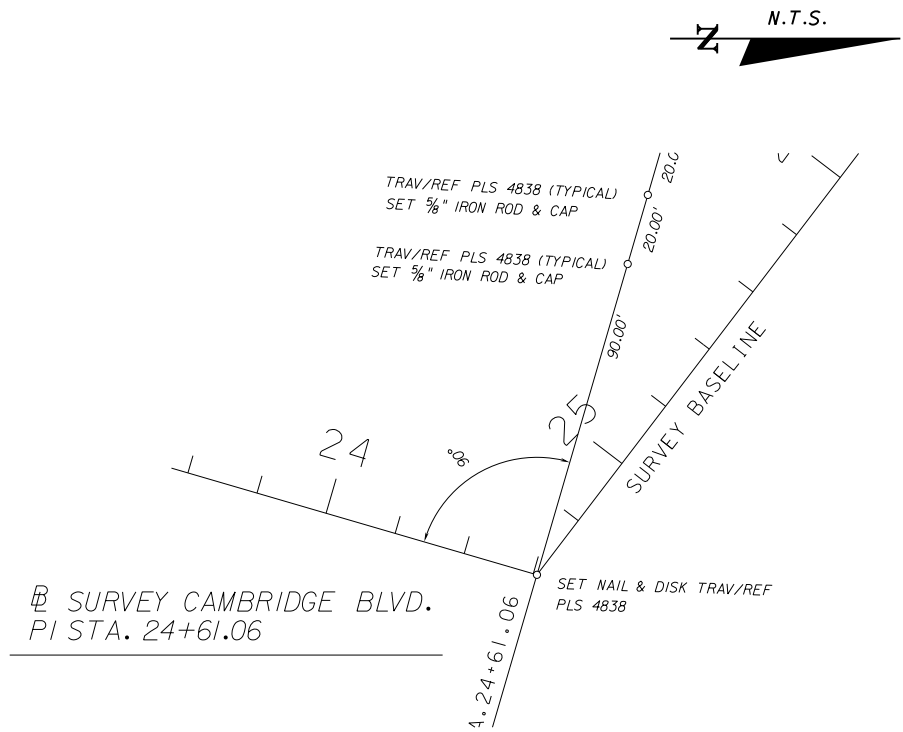
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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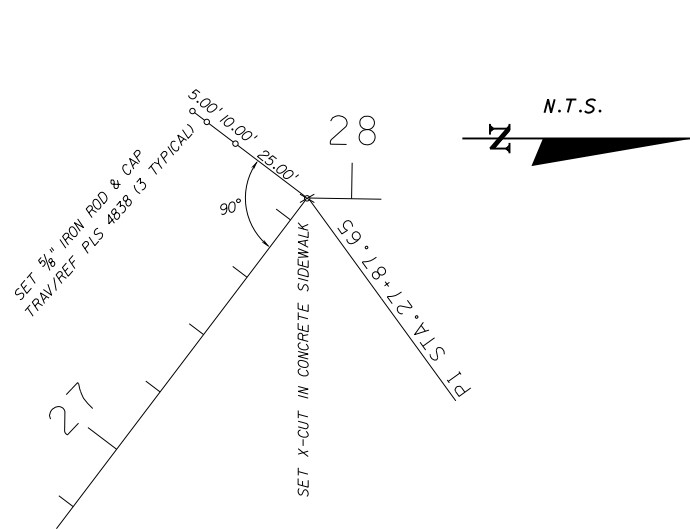
@ SURVEY CAMBRIDGE BLVD.
 POL STA. 10+00.00



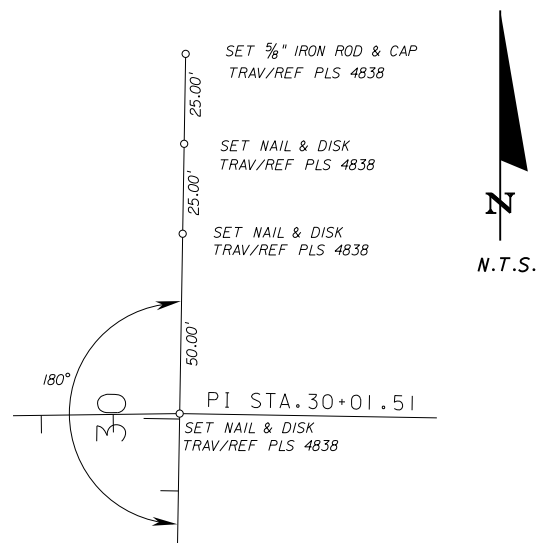
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 PI STA. 11+29.82



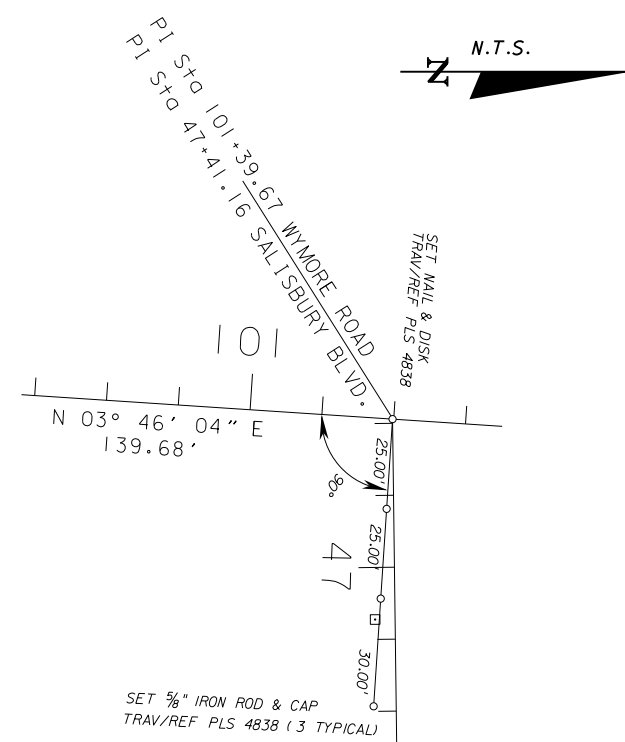
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 PI STA. 24+61.06



@ SURVEY CAMBRIDGE BLVD.
 PI STA. 27+87.65

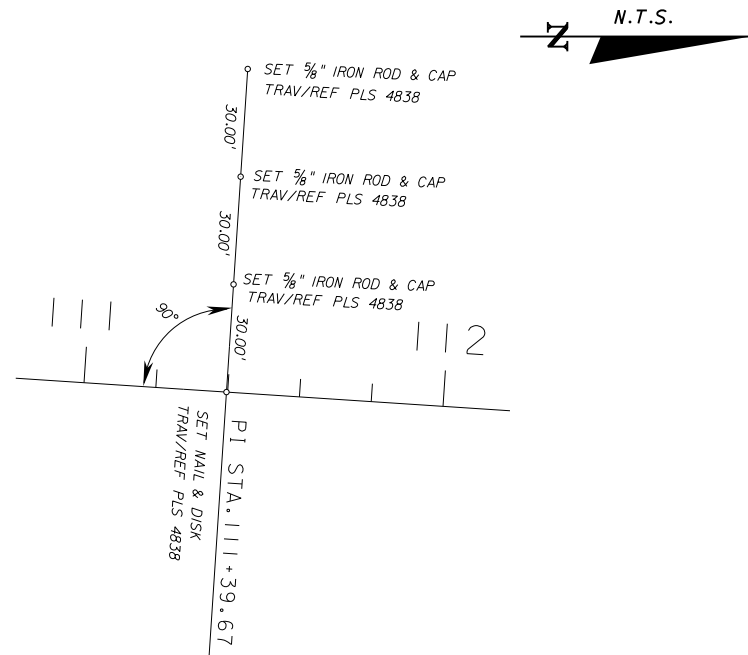


@ SURVEY CAMBRIDGE BLVD.
 PI STA. 30+01.51

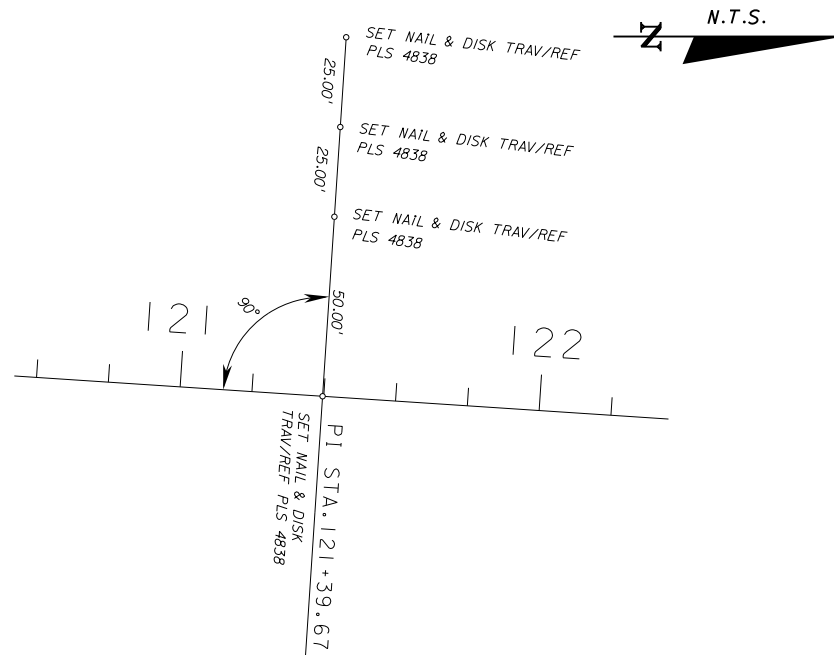


@ SURVEY SALISBURY BLVD.
 PI STA. 47+41.16
 @ SURVEY WYMORE ROAD
 PI STA. 101+39.67

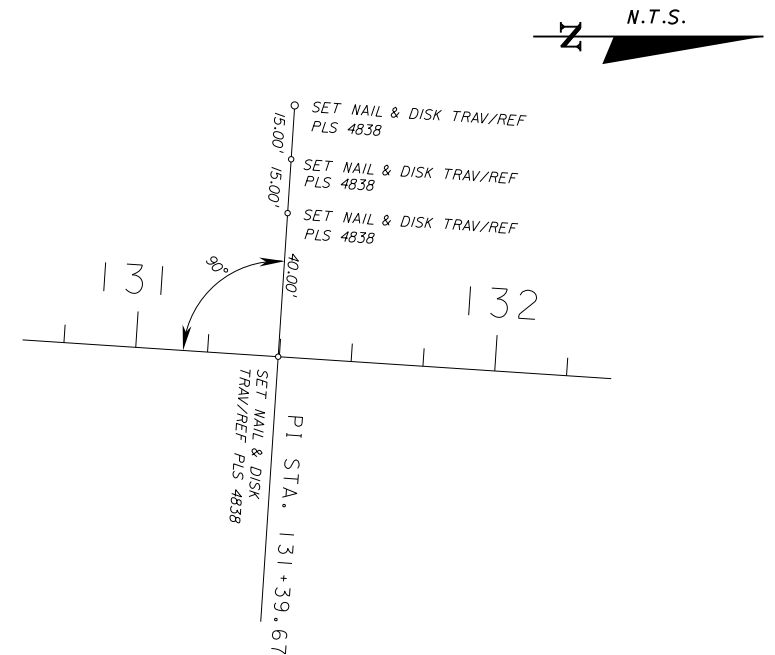
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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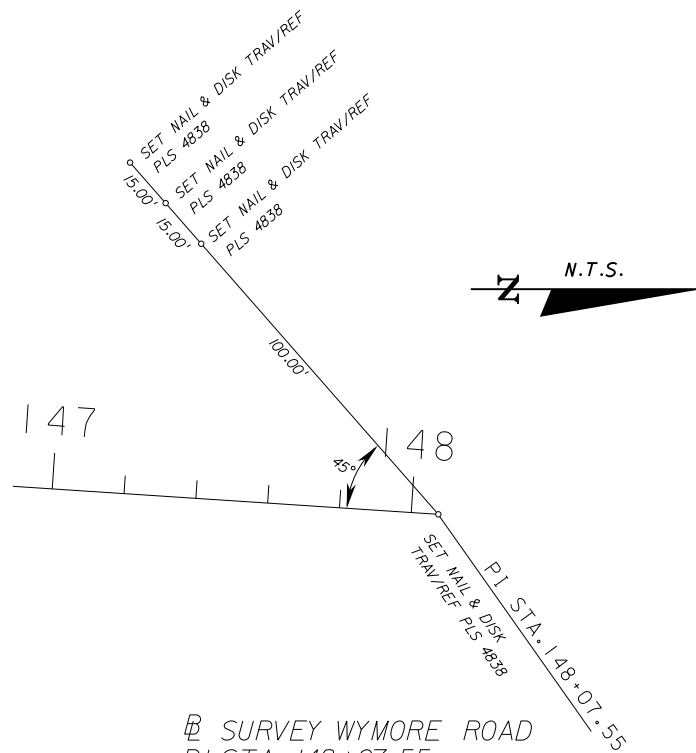
Ⓢ SURVEY WYMORE ROAD
PI STA. 111+39.67



Ⓢ SURVEY WYMORE ROAD
PI STA. 121+39.67

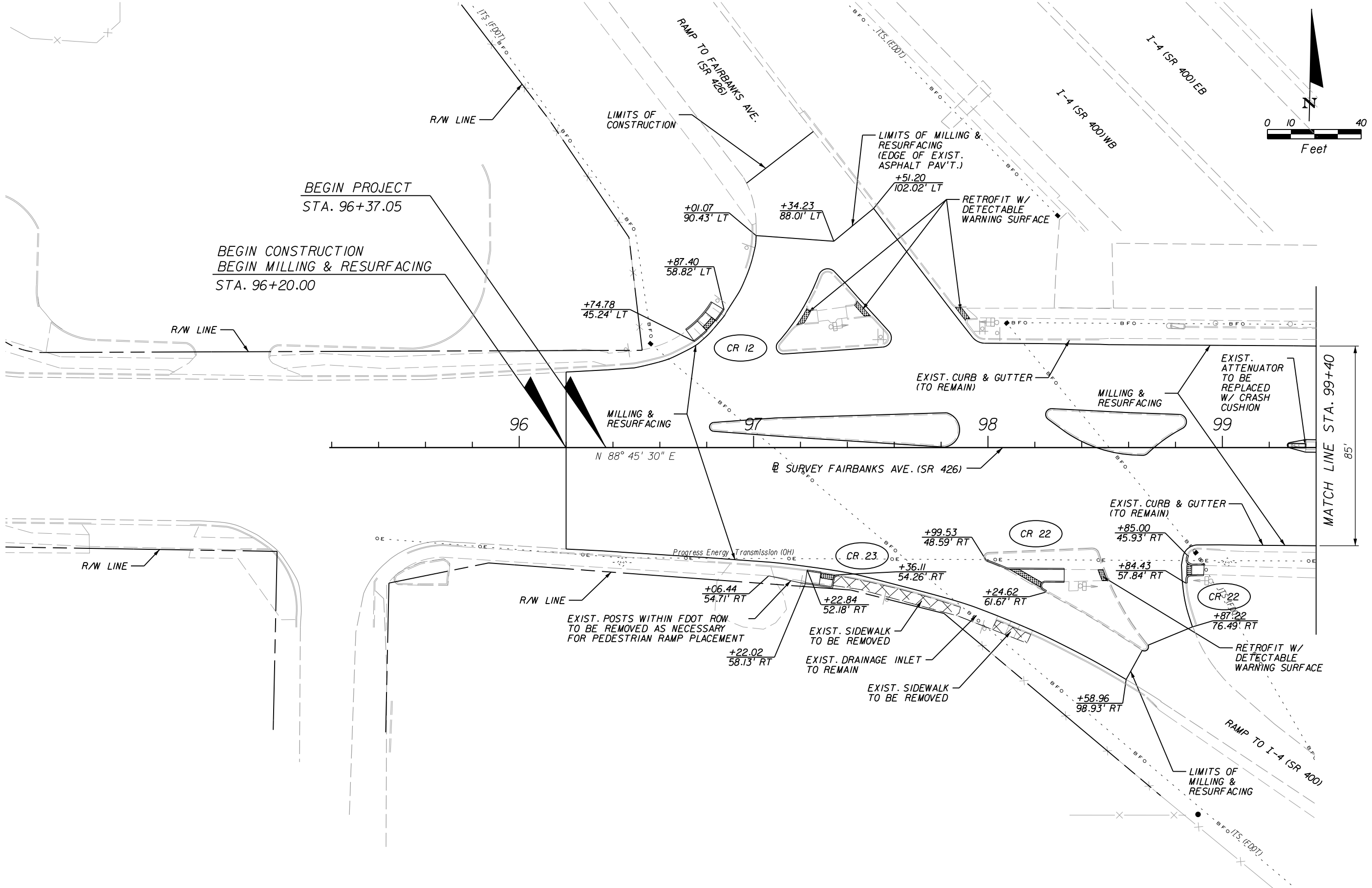


Ⓢ SURVEY WYMORE ROAD
PI STA. 131+39.67

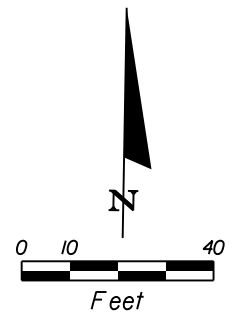
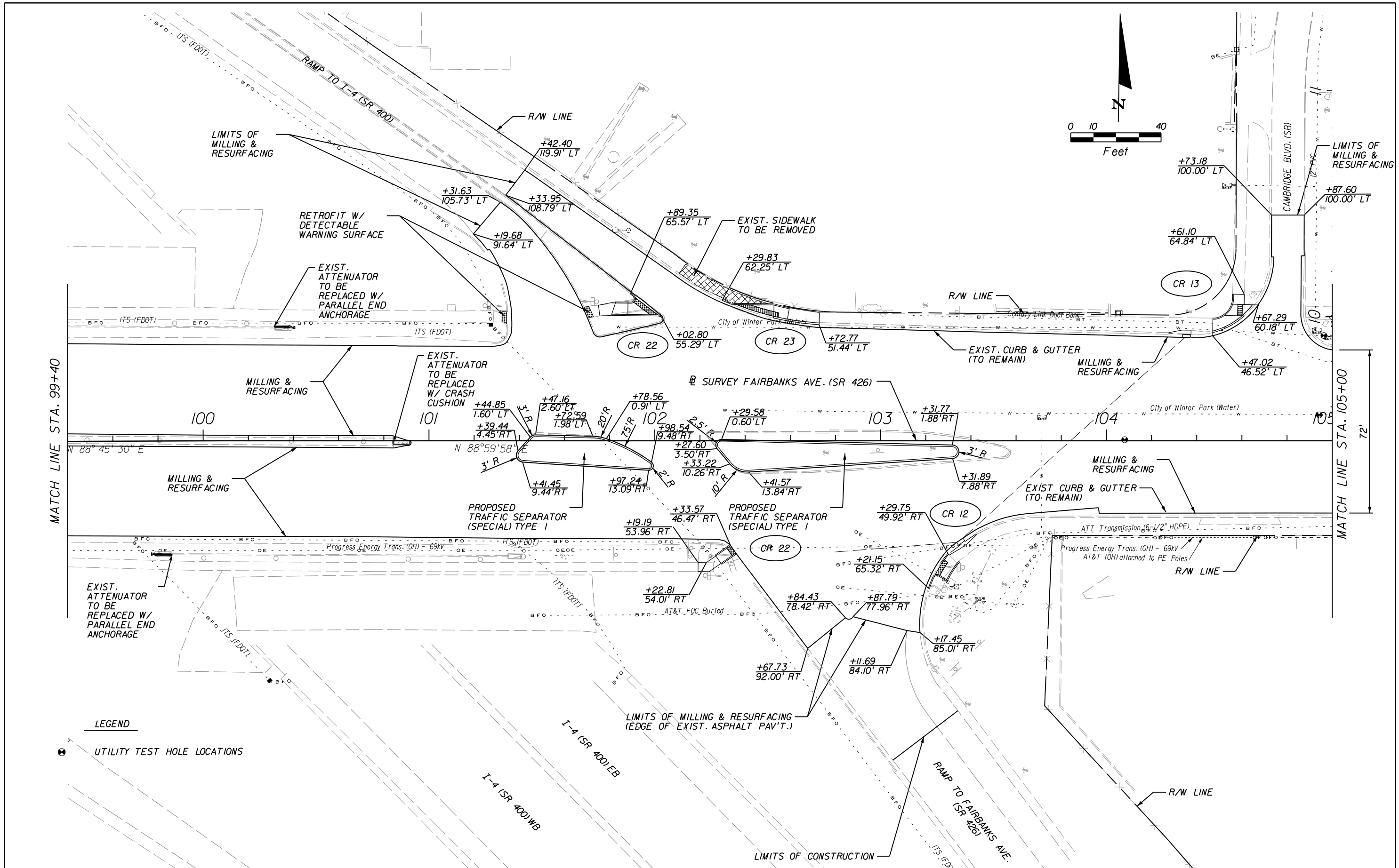


Ⓢ SURVEY WYMORE ROAD
PI STA. 148+07.55

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		
											11

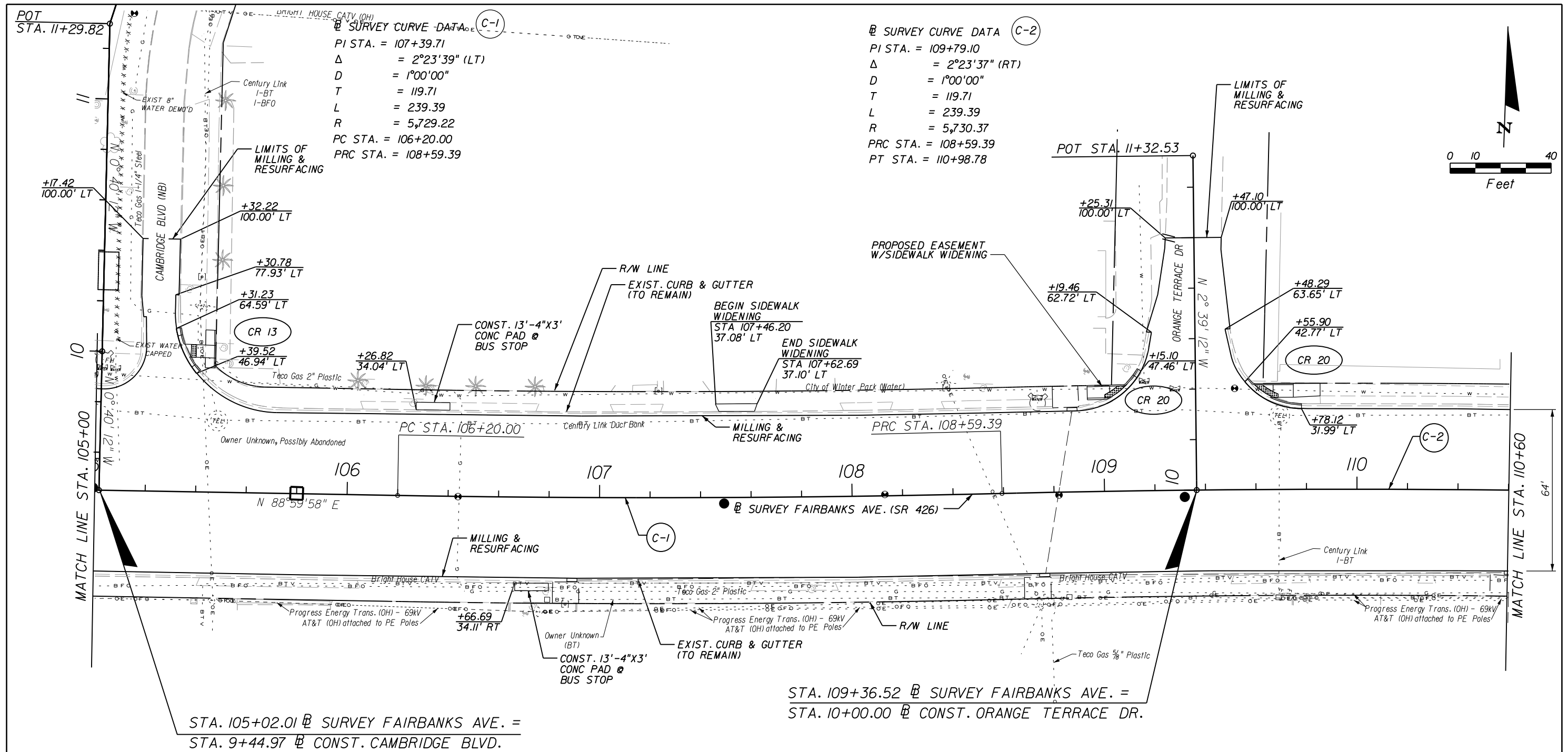


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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						



LEGEND
UTILITY TEST HOLE LOCATIONS

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS	SHEET NO. 13
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						
							ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		

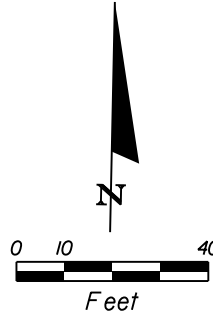


REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS 14
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.	
							SR 426	ORANGE	2010-01	

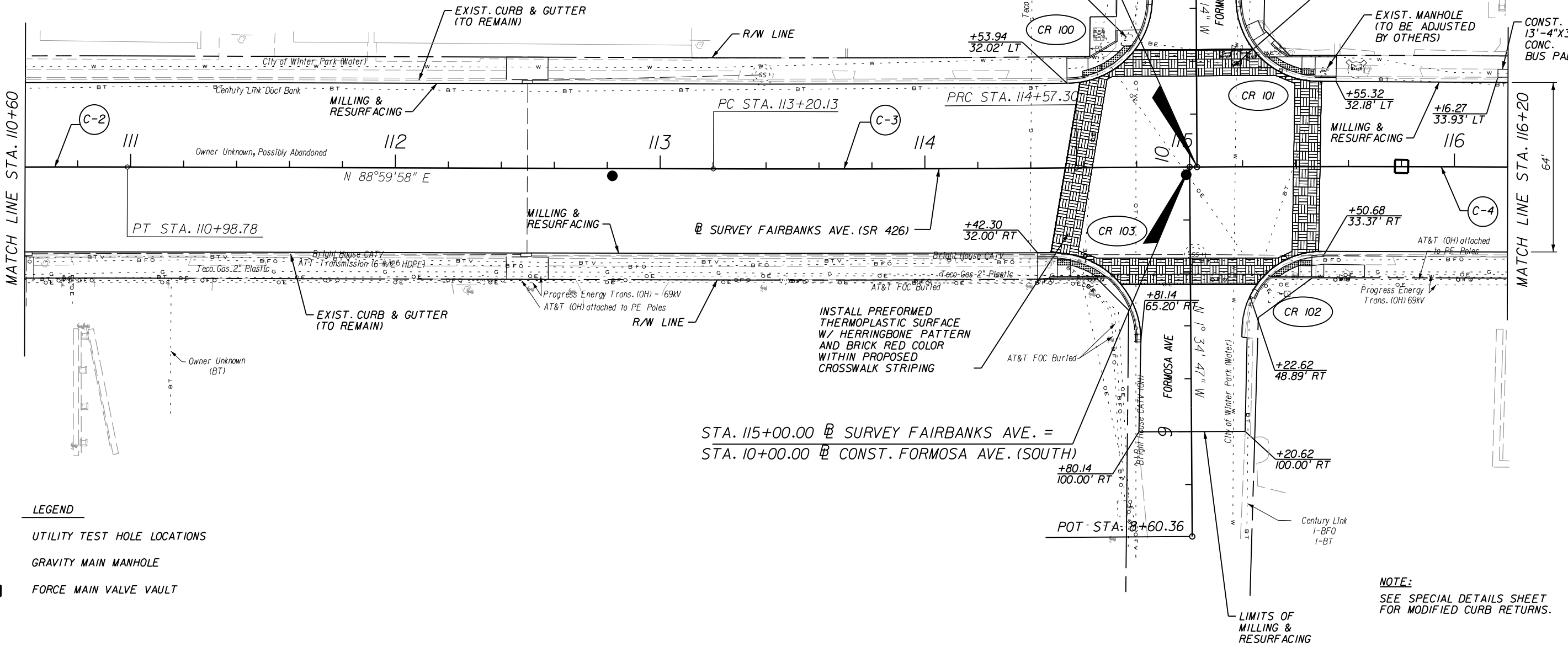
Ⓢ SURVEY CURVE DATA (C-2)
PI STA. = 109+79.10
Δ = 2°23'37" (RT)
D = 1°00'00"
T = 119.71
L = 239.39
R = 5,730.37
PC STA. = 108+59.39
PT STA. = 110+98.78

Ⓢ SURVEY CURVE DATA (C-3)
PI STA. = 113+88.71
Δ = 0°41'07" (LT)
D = 0°29'58"
T = 68.58
L = 137.17
R = 11,469.57
PC STA. = 113+20.13
PRC STA. = 114+57.29

Ⓢ SURVEY CURVE DATA (C-4)
PI STA. = 113+61.04
Δ = 0°02'15" (RT)
D = 0°30'00"
T = 203.74
L = 407.44
R = 11,458.30
PRC STA. = 114+57.29
PT STA. = 118+64.74



STA. 115+02.78 Ⓢ SURVEY FAIRBANKS AVE. =
STA. 10+00.00 Ⓢ CONST. FORMOSA AVE. (NORTH)



- LEGEND**
- ⊗ UTILITY TEST HOLE LOCATIONS
 - GRAVITY MAIN MANHOLE
 - FORCE MAIN VALVE VAULT

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

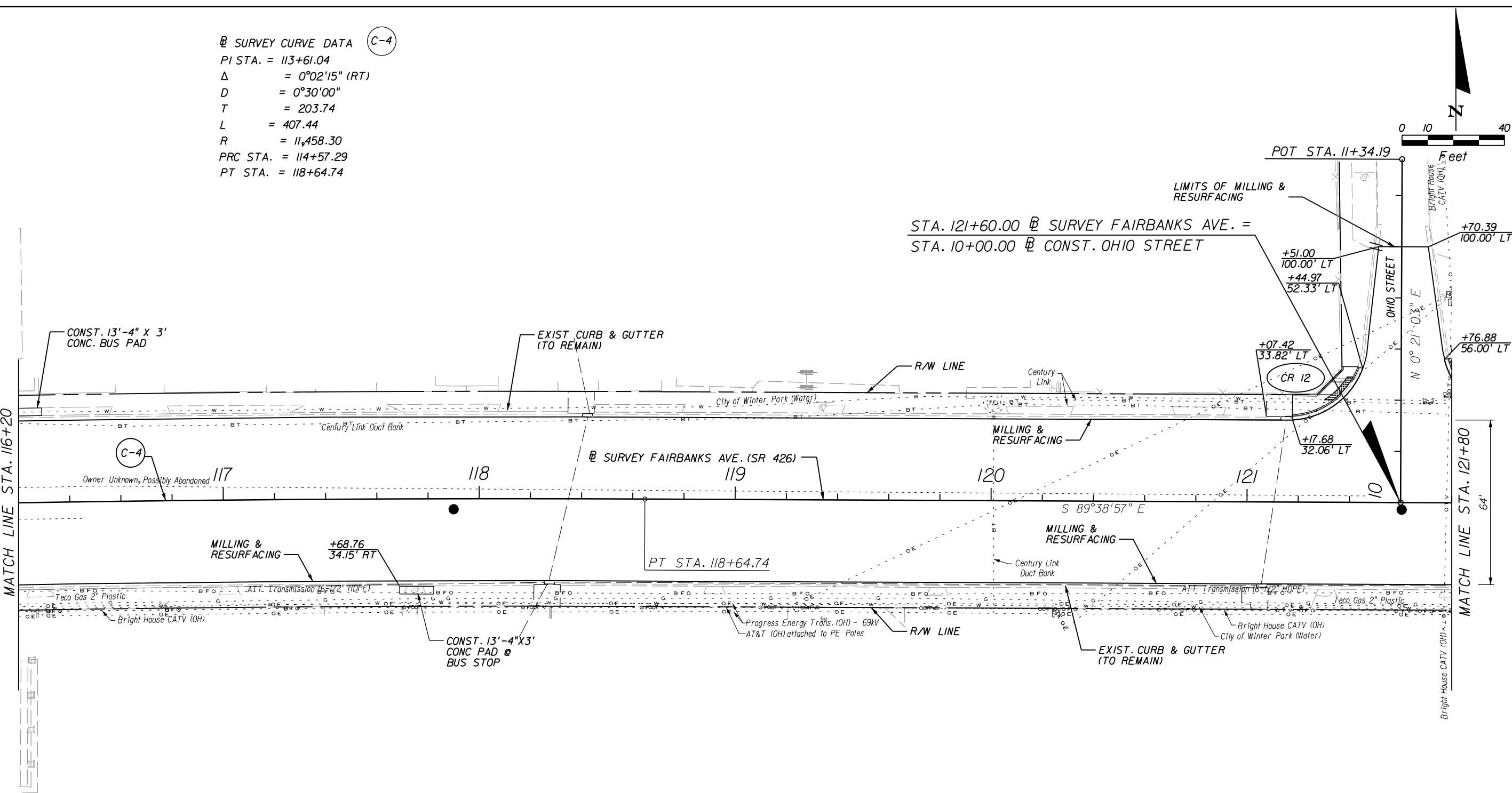
Engineer of Record: KRISTAL H. BURNS
P.E. License No.: 60883
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 000072

CITY OF WINTER PARK		
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ROADWAY PLANS	

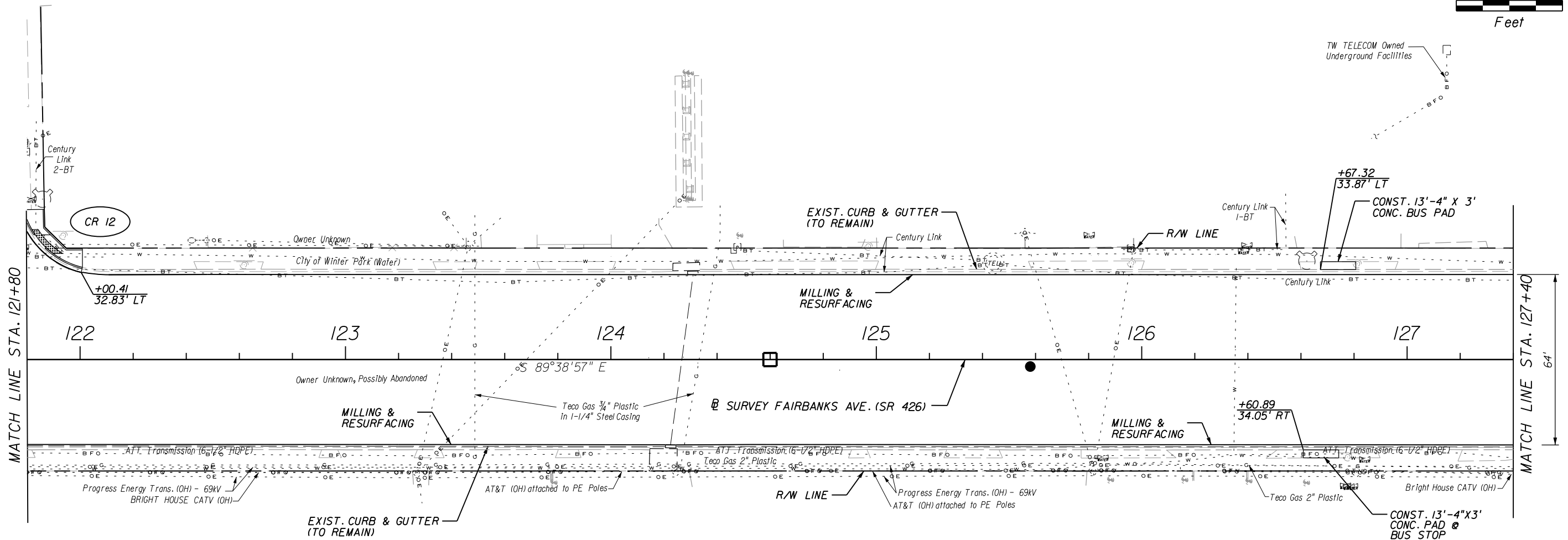
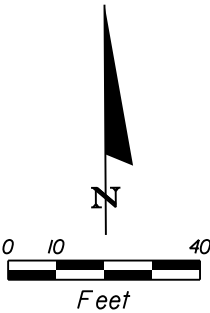
SHEET NO.
15

@ SURVEY CURVE DATA (C-4)
 PI STA. = 113+61.04
 Δ = 0°02'15" (RT)
 D = 0°30'00"
 T = 203.74
 L = 407.44
 R = 11,458.30
 PRC STA. = 114+57.29
 PT STA. = 118+64.74



- LEGEND
- ⊗ UTILITY TEST HOLE LOCATIONS
 - GRAVITY MAIN MANHOLE
 - FORCE MAIN VALVE VAULT

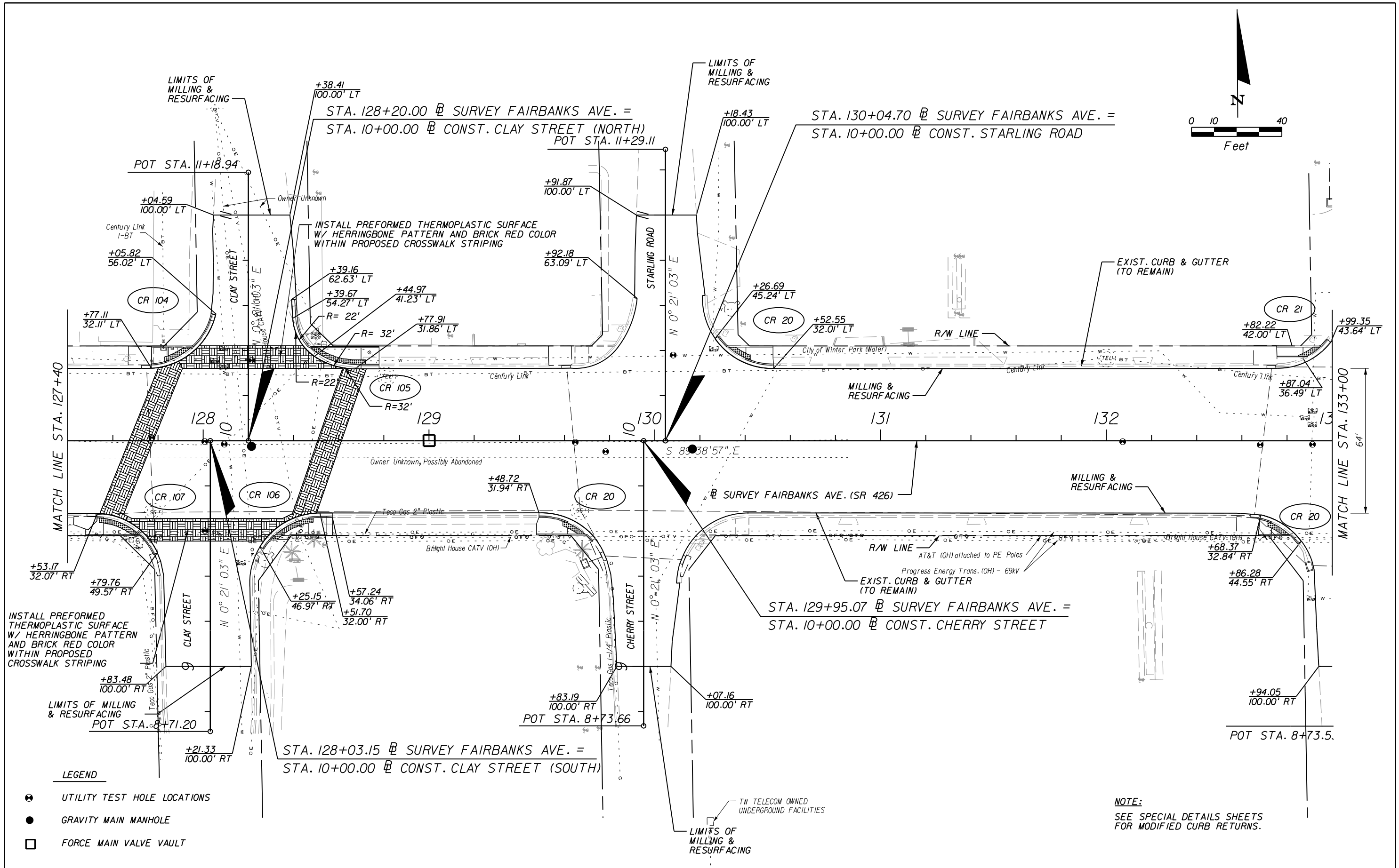
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS SHEET NO. 16
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.	
							SR 426	ORANGE	2010-01	



LEGEND

- ⊗ UTILITY TEST HOLE LOCATIONS
- GRAVITY MAIN MANHOLE
- FORCE MAIN VALVE VAULT

REVISIONS						Engineer of Record: KRISTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		
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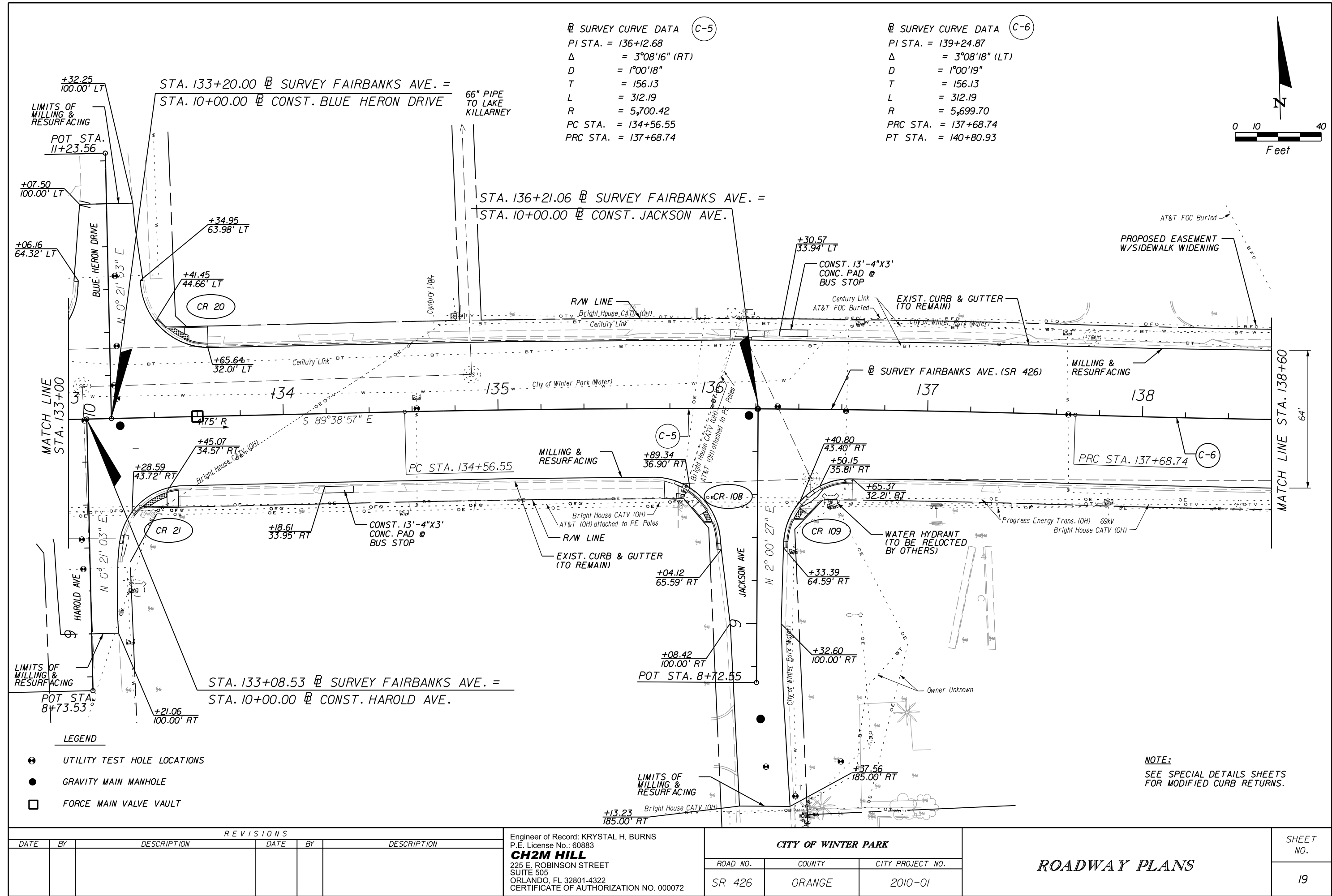


LEGEND

- UTILITY TEST HOLE LOCATIONS
- GRAVITY MAIN MANHOLE
- FORCE MAIN VALVE VAULT

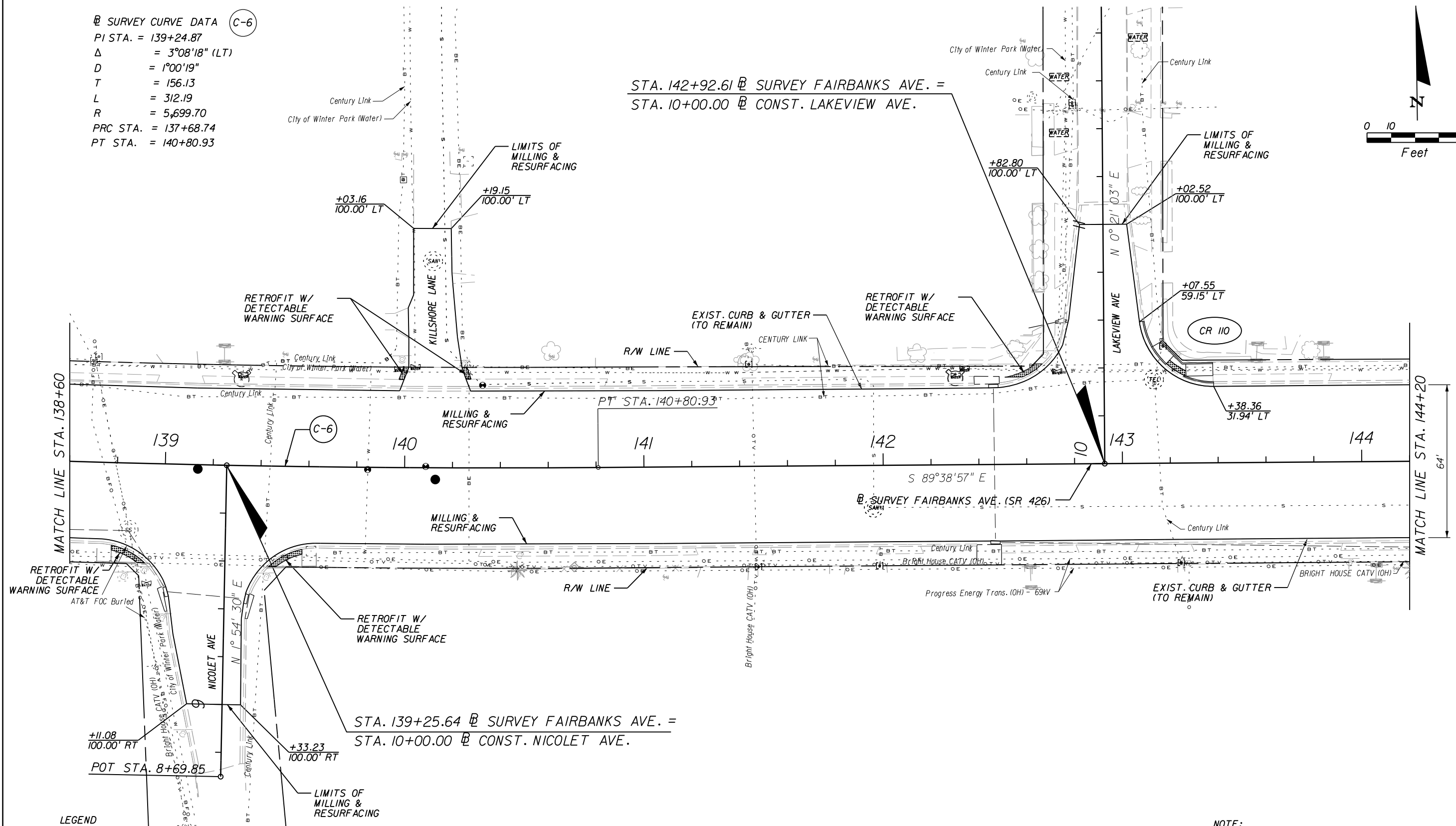
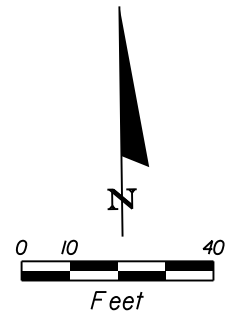
NOTE:
SEE SPECIAL DETAILS SHEETS
FOR MODIFIED CURB RETURNS.

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS	SHEET NO. 18
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		



⑥ SURVEY CURVE DATA C-6
PI STA. = 139+24.87
Δ = 3°08'18" (LT)
D = 1°00'19"
T = 156.13
L = 312.19
R = 5,699.70
PRC STA. = 137+68.74
PT STA. = 140+80.93

STA. 142+92.61 @ SURVEY FAIRBANKS AVE. =
STA. 10+00.00 @ CONST. LAKEVIEW AVE.



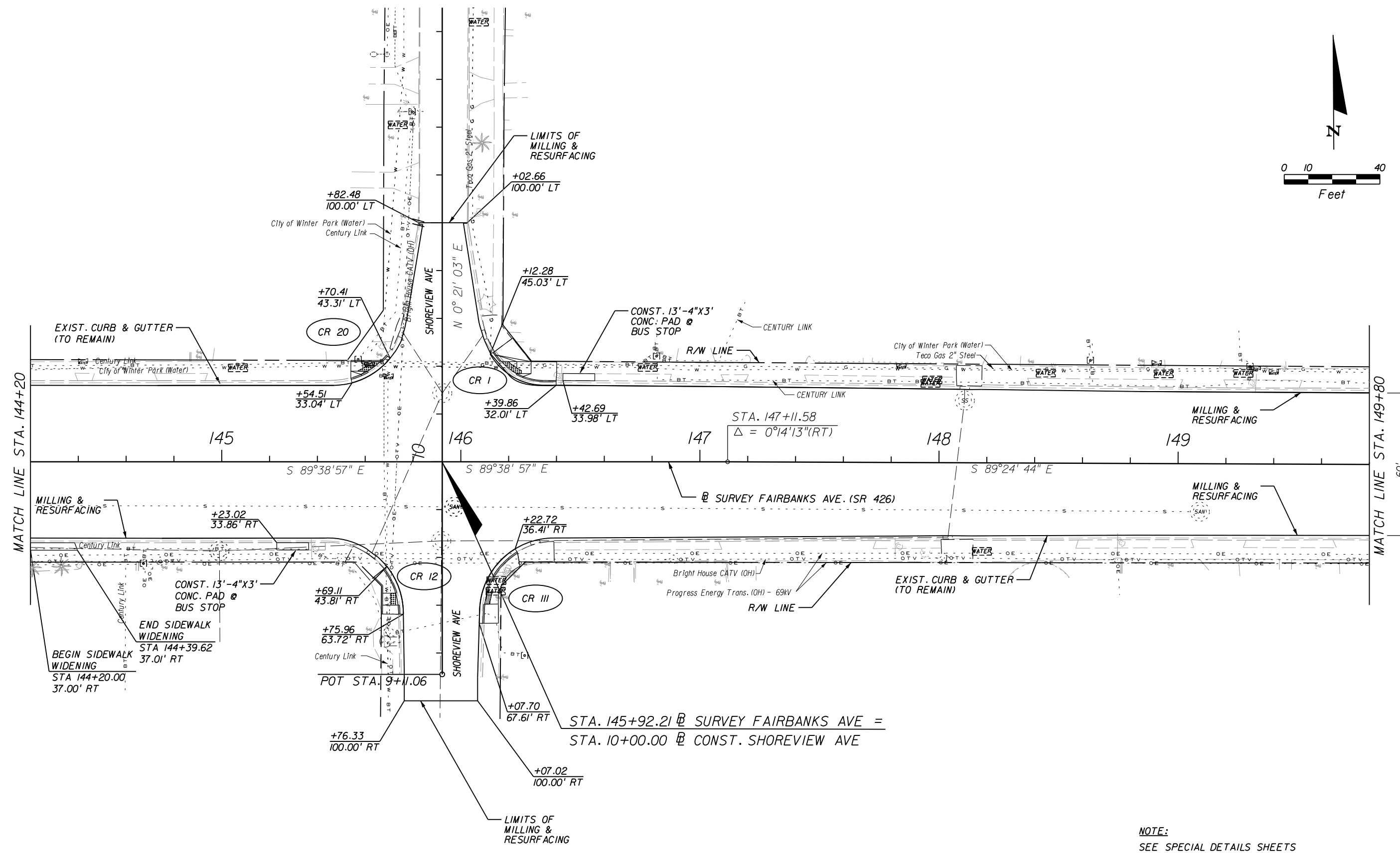
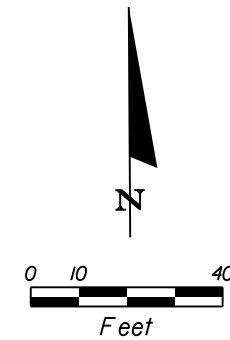
LEGEND

- ⊗ UTILITY TEST HOLE LOCATIONS
- GRAVITY MAIN MANHOLE
- FORCE MAIN VALVE VAULT

NOTE:

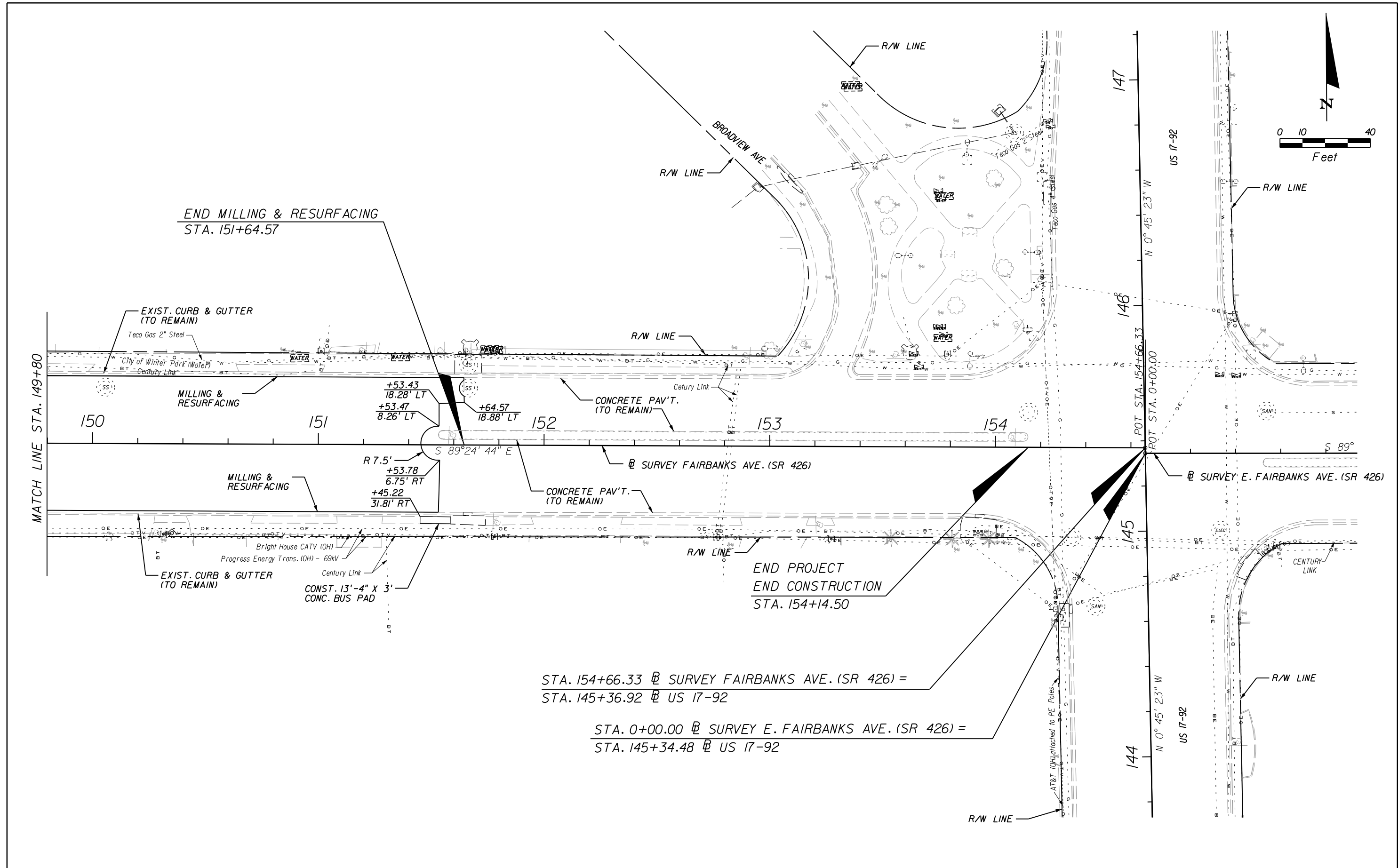
SEE SPECIAL DETAILS SHEETS
FOR MODIFIED CURB RETURNS.

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS	SHEET NO. 20
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						
							ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		

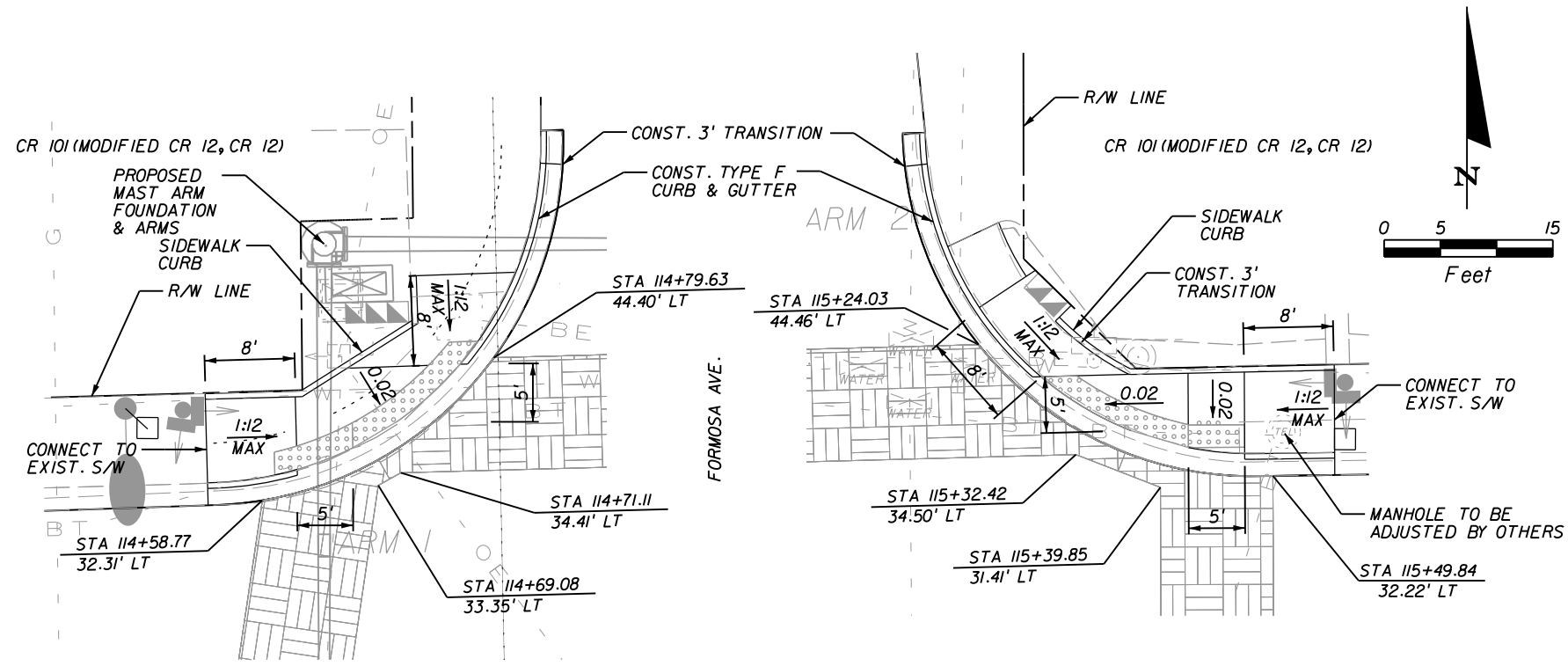


NOTE:
SEE SPECIAL DETAILS SHEETS
FOR MODIFIED CURB RETURNS.

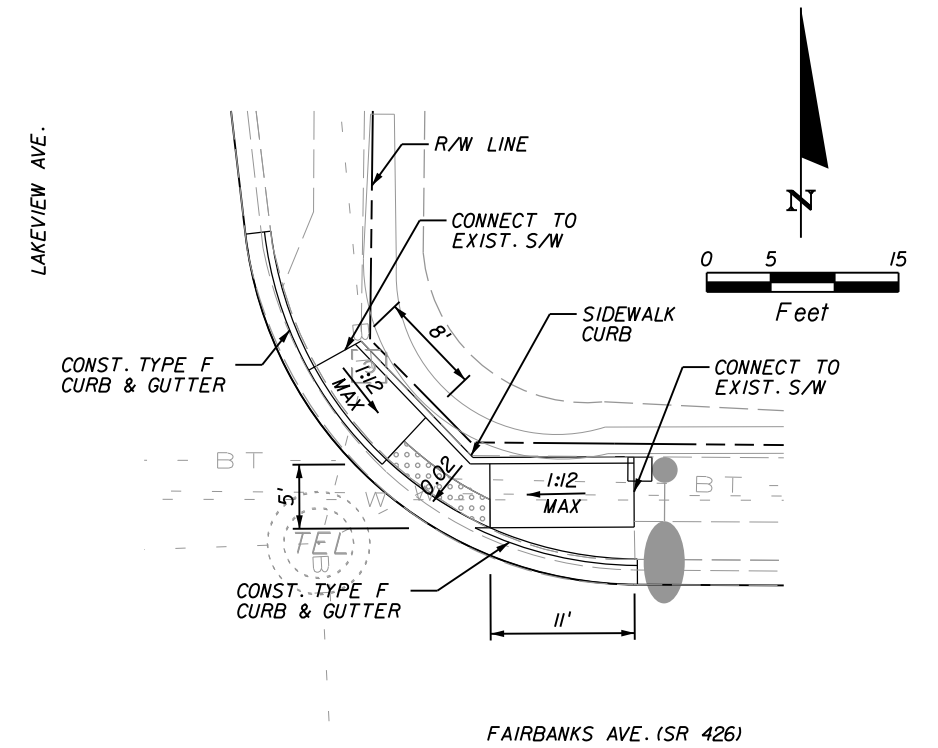
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS	SHEET NO. 21
DATE	BY	DESCRIPTION		DATE	BY		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		



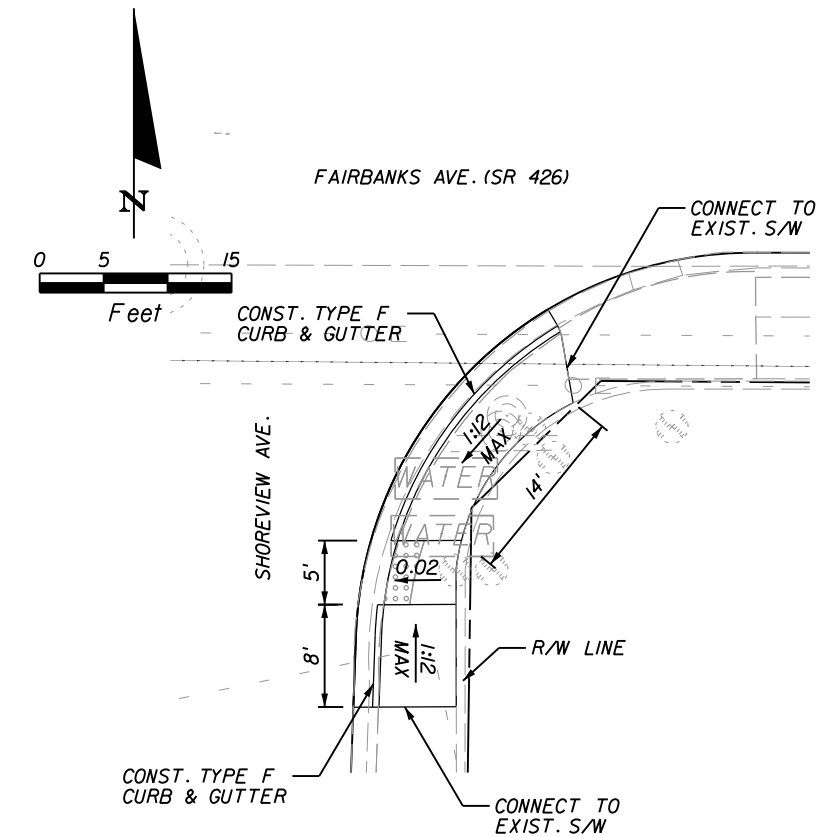
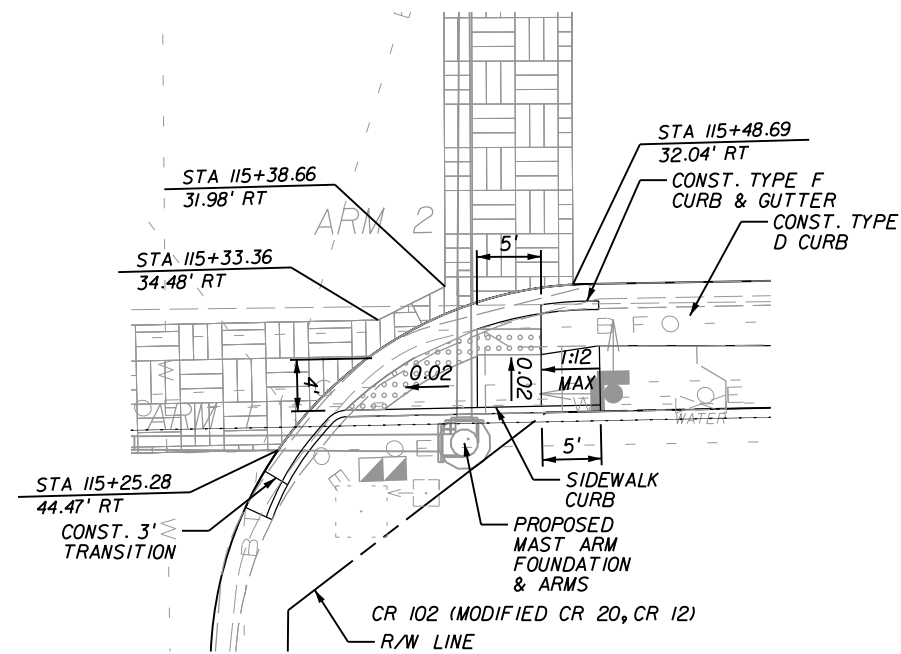
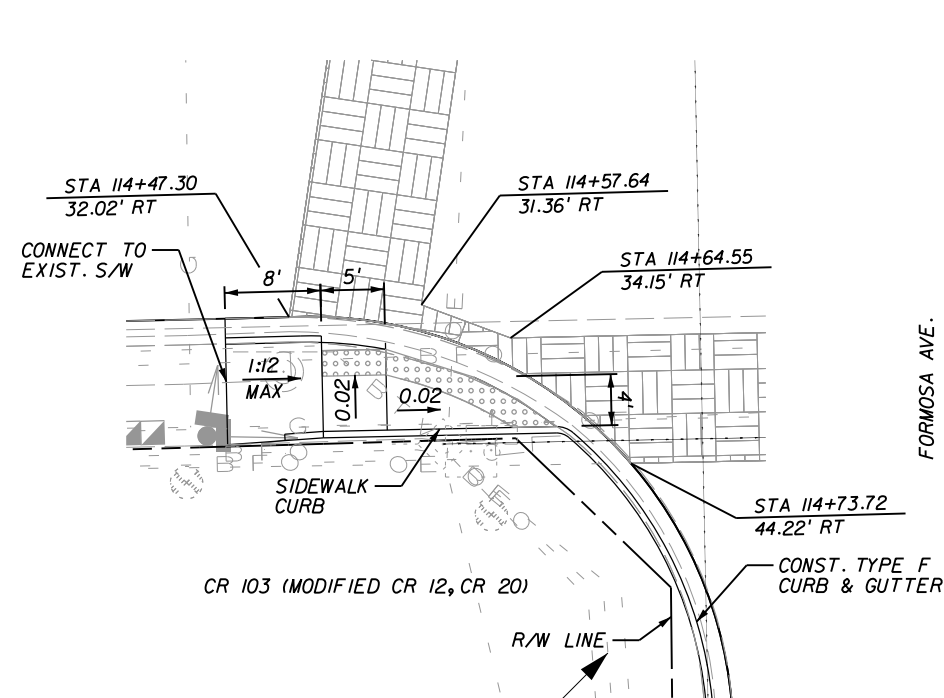
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			ROADWAY PLANS	SHEET NO. 22
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		



FAIRBANKS AVE. (SR 426)



CR 110 (MODIFIED CR 12)



CR 111 (MODIFIED CR 12)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: KRYSTAL H. BURNS
P.E. License No.: 60883
CH2M HILL
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CERTIFICATE OF AUTHORIZATION NO. 000072

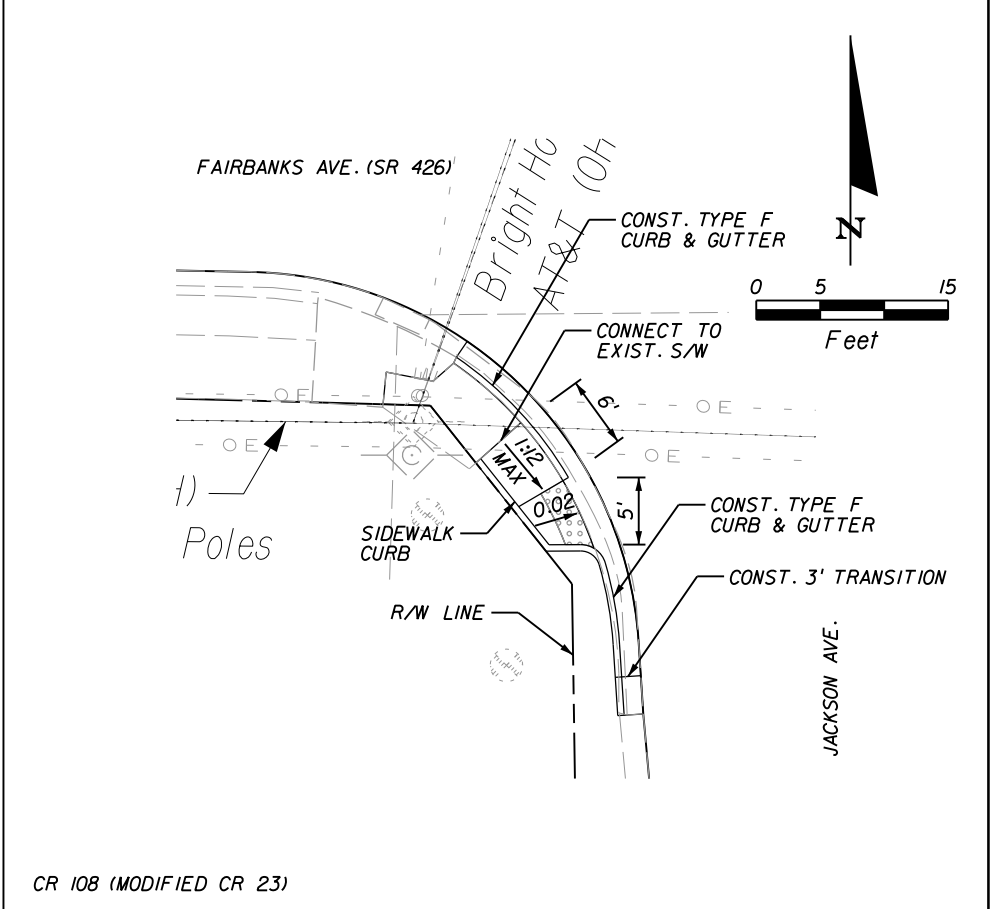
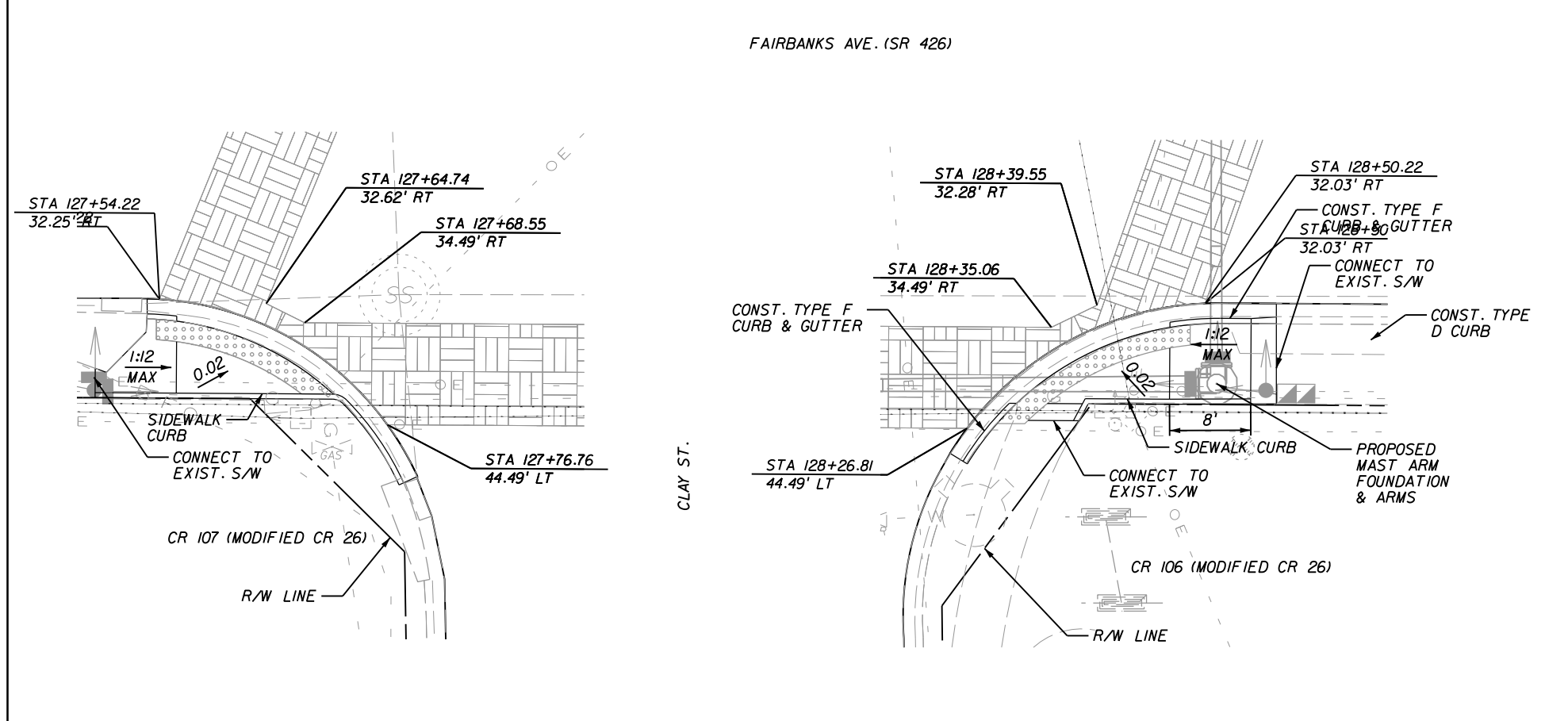
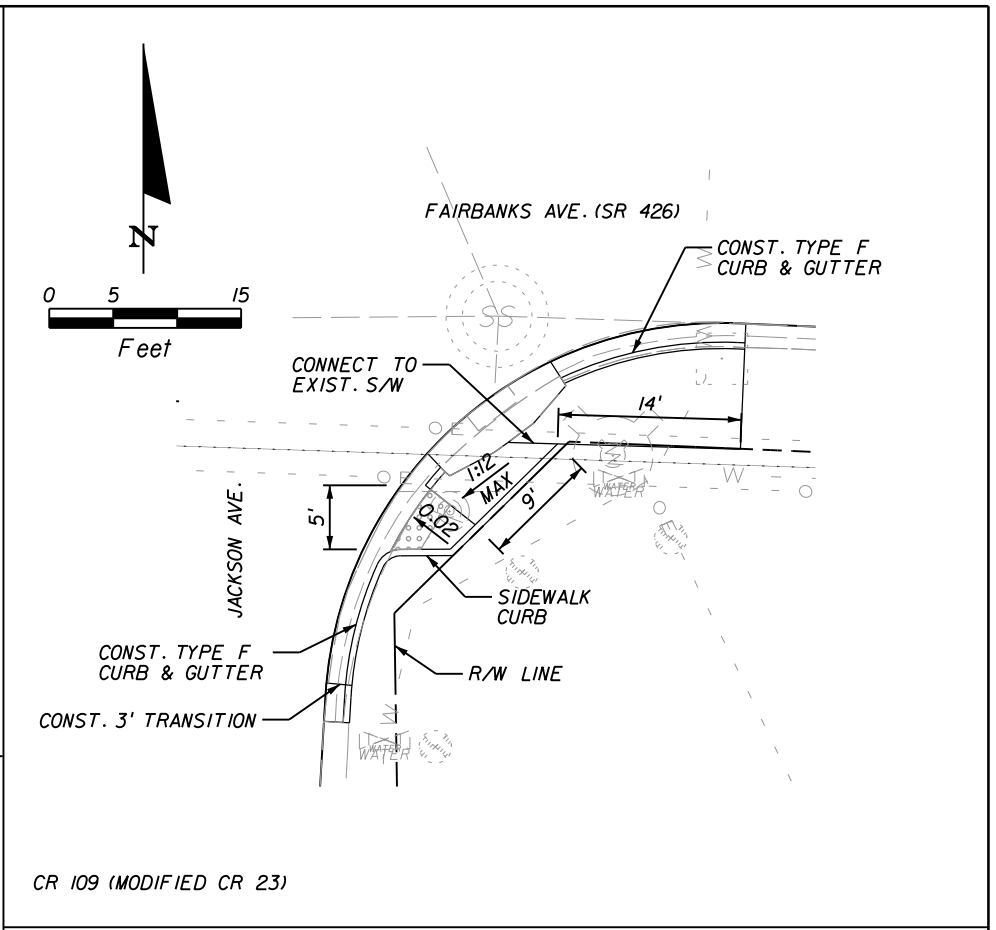
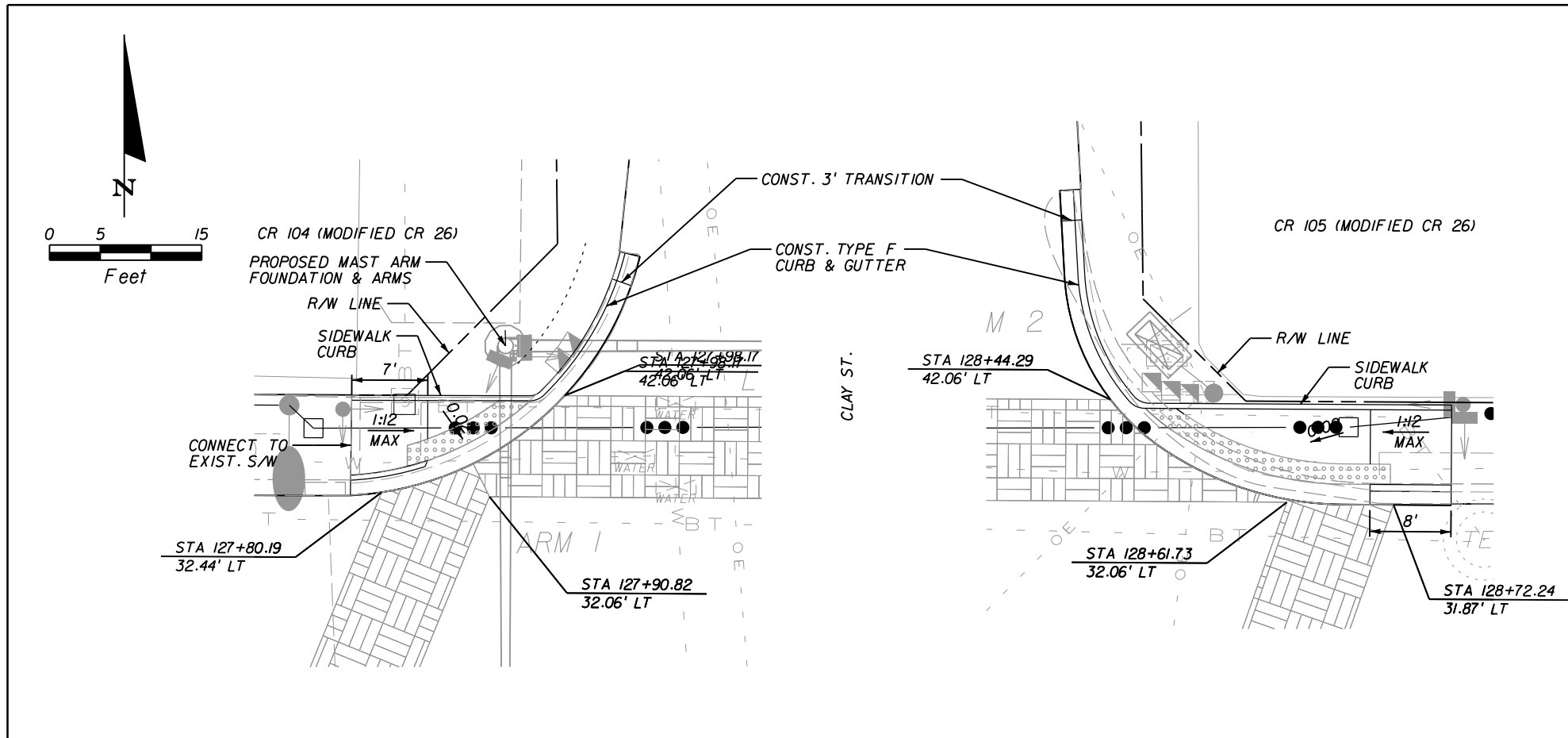
CITY OF WINTER PARK

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SPECIAL DETAILS

SHEET NO.

23



REVISIONS						CITY OF WINTER PARK			SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	CITY PROJECT NO.	
						SR 426	ORANGE	2010-01	
Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072						SPECIAL DETAILS			24

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONTAINS REFERENCES TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FDOT DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE KEY SHEET CONTAINS AN INDEX TO THE REFERENCED SHEETS. THE COMPLETE SWPPP INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR' S APPROVED EROSION CONTROL PLAN REQUIRED BY FDOT STANDARD SPECIFICATION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

MODIFICATIONS TO EITHER THE SWPPP AND/OR THE EROSION CONTROL PLANS DUE TO THE CONTRACTOR'S PROPOSED CONSTRUCTION MEANS, METHODS, AND PHASING SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR'S EROSION CONTROL PLAN WILL BE USED AS THE FIRST FORMAL UPDATE TO THE SWPPP. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS AND SUPPLY CONTRACT TIME SCHEDULES FOR THE IMPLEMENTATION OF EACH SUBMITTAL.

I. SITE DESCRIPTION

IA. CONSTRUCTION ACTIVITY:

- PROJECT LIMITS: FAIRBANKS AVENUE (SR 426) FROM CAMBRIDGE BLVD TO KILSHORE LANE, SECTIONS 11 AND 12 TOWNSHIP 22 RANGE 29
- PROJECT DESCRIPTION: THIS PROJECT IS TO INSTALL A NEW SANITARY SEWER COLLECTION SYSTEM. NEW LANDSCAPING, NEW LIGHTING, UPGRADE SIGNALIZATION, UPGRADE PEDESTRIAN FEATURES AND MAKE ROADWAY AND AFFECTED DRAINAGE STRUCTURE IMPROVEMENTS.

IB. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

FOR EACH CONSTRUCTION PHASE, CLEAR AND GRUB THE AREA NECESSARY TO INSTALL PERIMETER EROSION CONTROLS BEFORE BEGINNING ANY OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE THE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS HAVE BEEN STABILIZED.

IC. AREA ESTIMATES:

- TOTAL SITE AREA: 35.0 AC.
- TOTAL AREA TO BE DISTURBED: 2.76 AC.

ID. RUNOFF DATA:

- COEFFICIENTS BEFORE, DURING AND AFTER CONSTRUCTION:
BEFORE: 0.80 - 0.90
DURING: 0.80 - 0.90
AFTER: 0.80 - 0.90
- DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE: THE SURFICIAL SOILS ARE CHARACTERIZED AS SANDS WITH VARIABLE SILT CONTENT AND MANY HAVE INTERMEDIATE STRATA OF SANDY CLAY LOAM. OVERALL THE SOILS ARE TYPE B/D WITH HIGH GROUNDWATER TABLE OR COMPACTED MATERIAL TO INDICATE FUNCTION AS A D HYDROLOGIC GROUP.

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS:

- LOCATIONS OF PERMANENT CONTROLS: NO CHANGES TO EXISTING STORWATER MANAGEMENT CONTROLS.
- WETLANDS: ANY WETLAND FEATURES ADJACENT TO THE EXISTING ROADWAY WILL BE AVOIDED.

IE. NAME OF RECEIVING WATERS:

- LITTLE LAKE FAIRVIEW (FAIRBANKS AVE. W. OF 1-4) LAT./LONG.: 28.59364, -81.38560;
- LAKE KILLARNEY (FAIRBANKS AVE. E. OF 1-4) LAT./LONG.: BEG. 28.60398, -81.38275, MID. 28.59720, -81.37942, END 28.59534, -81.36760;
- LAKE BELL (WYMORE ROAD) LAT./LONG.: 28.60909, -81.38376.

2. CONTROLS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TRAFFIC CONTROL PLAN AND SUBMIT TO THE ENGINEER FOR REVIEW. THE PLAN SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS APPROVED BY THE ENGINEER:

- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EMPLOYED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.

- CLEARING AND GRUBBING OPERATIONS WILL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WILL NOT BE DISTURBED.
- EXCAVATED MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES. NEW AND EXISTING STRUCTURES WILL BE PROTECTED FROM SILTATION DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE SEQUENCE OF CONSTRUCTION AND IMPLEMENTATION OF CONTROLS.

THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTER IS REQUIRED TO UPDATE THE SWPPP TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL, RECEIVING WATER, OR OTHERWISE VIOLATING STATE AND FEDERAL PERMIT REQUIREMENTS.

AT LEAST 45 DAYS PRIOR TO INITIATION OF CONSTRUCTION, THE PERMITTEE SHALL SUBMIT A DETAILED EROSION AND SEDIMENT CONTROL PLAN, DEVELOPED BY THE CONTRACTOR RESPONSIBLE FOR CONSTRUCTION TO THE SJRWMD, FOR WRITTEN APPROVAL. THE PLAN SHALL DETAIL ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED BOTH DURING AND AFTER CONSTRUCTION. AT A MINIMUM THE PLAN SHALL INCLUDE:

- IDENTIFICATION OF ANY AREAS WHERE DEWATERING WILL BE PERFORMED DURING CONSTRUCTION;
- DETAIL OF SPECIFIC EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED TO CONTROL THE DISCHARGE OF TURBID WATER DUE TO DEWATERING ACTIVITIES; AND
- CONSTRUCTION SEQUENCING AND DETAILS OF ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IMPLEMENTED DURING EACH SEQUENCE.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL THE PERMITTEE RECEIVES WRITTEN APPROVAL OF THE PLAN FROM THE ST.JOHNS RIVER WATER MANAGEMENT DISTRICT.

2A. EROSION AND SEDIMENT CONTROLS:

THE EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- THE CONSTRUCTION PROJECT SCHEDULE WITH EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE TIED TO SPECIFIC DATES OR CONSTRUCTION ACTIVITIES.
- ALTERATIONS TO THE DESIGN EROSION AND SEDIMENT CONTROLS DUE TO THE DIFFERENCES BETWEEN THE CONSTRUCTION PLANS AND ANTICIPATED CONSTRUCTION PHASING AND THE CONTRACTOR'S CONSTRUCTION METHODS AND PHASING.
- THE NAME AND PHONE NUMBER OF CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24-HOUR BASIS.

2.A.1. STABILIZATION PRACTICES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 DAYS IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, AS APPLICABLE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

- ____ TEMPORARY ARTIFICIAL COVERINGS
- ____ TEMPORARY SODDING
- ____ TEMPORARY GRASSING
- ____ TEMPORARY MULCHING
- X PERMANENT ASPHALT OR CONCRETE SURFACE
- X PERMANENT PLANTING, SODDING OR SEEDING
- ____ BUFFER ZONES
- ____ PRESERVATION OF NATURAL RESOURCES
- X EROSION PROTECTION AROUND INLETS PER INDEX 102

PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.

R E V I S I O N S						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			STORM WATER POLLUTION PREVENTION PLAN	SHEET NO.
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2.A.2. STRUCTURAL PRACTICES:

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL NECESSARY EROSION CONTROL, INCLUDING, BUT NOT LIMITED TO, SILT FENCES, SYNTHETIC BALES, TURBIDITY BARRIERS, AND ANY OTHER MISCELLANEOUS ITEMS AS INDICATED WITHIN THE CONTRACT DOCUMENTS, OR AS REQUIRED PER APPLICABLE STANDARDS OR THE ENGINEER.

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE REFERENCED CONTROL MEASURES, AS IDENTIFIED IN THE CONSTRUCTION PLANS AND THE GENERAL NOTES.

- ☒ INLET PROTECTION
- ☒ SEDIMENT BARRIER (LOCATIONS AS NOTED IN WASTEWATER PLANS ONLY)
- ☐ SYNTHETIC BALES
- ☐ BERMS
- ☐ DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
- ☐ PIPE SLOPE DRAINS
- ☐ FLUMES
- ☐ ROCK BEDDING AT CONSTRUCTION EXIT
- ☐ TIMBER BEDDING AT CONSTRUCTION EXIT
- ☐ DITCH LINER
- ☐ SEDIMENT TRAPS
- ☐ SEDIMENT BASINS
- ☐ STORM INLET SEDIMENT TRAP
- ☐ STONE OUTLET STRUCTURES
- ☐ CURBS AND GUTTERS
- ☐ STORM SEWERS
- ☐ VELOCITY CONTROL DEVICES
- ☐ FLOATED AND STAKED TURBIDITY BARRIERS
- ☐ RIP RAP

2B. DESCRIPTION OF STORMWATER MANAGEMENT:

THIS PROJECT IS TO INSTALL A NEW SANITARY SEWER COLLECTION SYSTEM. UPGRADE LANDSCAPING, LIGHTING, PEDESTRIAN AND MAKE ROADWAY AND AFFECTED DRAINAGE STRUCTURE IMPROVEMENTS.

2.C. OTHER CONTROLS:

2.C.1. WASTE DISPOSAL:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
- DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2. OFF-SITE VEHICLE TRACKING AND DUST-CONTROL:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

HAUL ROADS DAMPENED FOR DUST CONTROL
LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
EXCESS DIRT ON ROAD REMOVED DAILY
STABILIZED CONSTRUCTION ENTRANCE ACCORDING TO DESIGN STANDARD 106
SOIL TRACKING PREVENTION DEVICE
USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS

2.C.3. SANITARY WASTE:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS.

2.C.4. FERTILIZERS AND PESTICIDES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTION 570 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2.C.5. TOXIC SUBSTANCES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN OF ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2D. APPROVED STATE AND LOCAL PLANS, OR STORMWATER PERMITS:

3. MAINTENANCE:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL POLLUTION PREVENTION CONTROLS. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.

4. INSPECTION:

THE CONTRACTOR SHALL INSPECT ALL EROSION DEVICES ONCE EVERY SEVEN CALENDAR DAYS AND IMMEDIATELY AFTER THE END OF A STORM THAT IS 0.50 INCHES (13 MM) OR GREATER. THE CONTRACTOR WILL USE FDOT FORM 650-040-03 TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. THE CONTRACTOR WILL SIGN EACH INSPECTION REPORT AND SUBMIT IT WEEKLY TO THE ENGINEER.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES. RAINFALL AMOUNTS SHALL BE RECORDED DAILY AND SUBMITTED TO THE ENGINEER ALONG WITH WEEKLY INSPECTION REPORTS.

THE CONTRACTOR SHALL ALSO INSPECT THE CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST SWPPP. IN ADDITION, THE CONTRACTOR MUST MAINTAIN ALL EROSION CONTROL DEVICES AS REQUIRED HEREIN AND AS SPECIFIED IN STATE AND/OR FEDERAL ENVIRONMENTAL REGULATORY PERMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE DAILY REVIEW OF THE LOCATION OF SILT FENCES AND TURBIDITY BARRIERS IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL CONTOUR AND DRAINAGE RUNOFF TO ENSURE THAT SILT FENCES AND TURBIDITY BARRIERS ARE PROPERLY LOCATED FOR EFFECTIVENESS.

THE CONTRACTOR SHALL INITIATE REPAIRS IMMEDIATELY OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTIONS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5. NON-STORMWATER DISCHARGES (INCLUDING SPILL REPORTING):

IN THE SECTION 104 EROSION CONTROL PLANS, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE AND FEDERAL AGENCY HAVING JURISDICTION. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE FDOT DISTRICT FIVE HAZARDOUS MATERIAL COORDINATOR AT (386) 943-5393.

IF DEWATERING IS REQUIRED, THE CONTRACTOR MUST ABIDE BY THE FDEP RULE 62-621.300(2) FOR GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITIES.

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			STORM WATER POLLUTION PREVENTION PLAN		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							
							ROAD NO.	COUNTY	CITY PROJECT NO.			
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TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

1. ALL TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ROADWAY AND TRAFFIC DESIGN STANDARDS (600 SERIES) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL LATEST EDITION AND SUPPLEMENTS.
2. ARROWS SHOWN IN THESE PLANS DENOTE DIRECTION OF TRAVEL ONLY AND DO NOT INDICATE PAVEMENT MARKINGS, EXCEPT AS NOTED.
3. THE LOCATION OF ALL TRAFFIC CONTROL DEVICES SHOWN IN PLANS IS APPROXIMATE ONLY AND SHALL BE ADJUSTED, BY THE CONTRACTOR, TO MEET ACTUAL FIELD CONDITIONS.
4. LANE CLOSURES ON FAIRBANKS AVENUE MAY OCCUR BETWEEN 8:00 PM AND 6:00 AM ONLY DURING ALL PHASES. LANE CLOSURES WILL BE ALLOWED AS NOTED DURING THE ABOVE PERIODS FROM SUNDAY NIGHT TO FRIDAY MORNING. NO LANE CLOSURES ARE PERMITTED FROM FRIDAY NIGHT TO SUNDAY MORNING.
- CLOSURES OF INTERSECTIONS SHALL MEET THE FOLLOWING REQUIREMENTS:
- THE CLOSING OF SIGNALIZED INTERSECTION AREAS ON FAIRBANKS AVENUE SHALL NOT BE PERMITTED BETWEEN THE HOURS OF 6:00 AM AND 8:00 PM MONDAY THROUGH FRIDAY. NO INTERFERENCE SHALL OCCUR ON SATURDAY OR SUNDAY. THE LOCATION, DURATION AND DESIGN OF EACH INTERSECTION CLOSURE SHALL BE APPROVED IN WRITING BY THE ENGINEER AND CITY PRIOR TO IMPLEMENTATION OF SUCH CLOSURES. UPON APPROVAL THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY AGENCIES, SCHOOLS, DAY CARE CENTERS AND BUS OPERATORS.
5. DURING NON- ACTIVE WORK PERIOD, REMOVE ALL CONSTRUCTION EQUIPMENT, INCLUDING TRAFFIC CONTROL DEVICES, VARIABLE MESSAGE SIGNS, FLASHING ARROW BOARDS ETC. TO PROTECTED SAFE AREAS. POST- MOUNTED ADVANCE WARNING SIGNS MAY REMAIN IN PLACE PER FDOT INDEX 600 SERIES. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY FOR APPROVAL A WORK PLAN THAT INCLUDES IDENTIFICATION OF A STAGING AREA.
6. SPEED LIMIT WITHIN THE WORK ZONE SHALL BE MAINTAINED AT POSTED SPEED: 35 MPH (FAIRBANKS AVENUE).
7. DO NOT ALTER THE TRAFFIC AND TRAVEL WAYS TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION OF THAT AREA.
8. THE MAINTENANCE OF THE EXISTING SIGNALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FROM THE NOTICE TO PROCEED UNTIL SUCCESSFUL AND FINAL ACCEPTANCE. IF SIGNAL LOOPS ARE DAMAGED THE CONTRACTOR SHALL SWITCH THE CONTROLLER TO RECALL. THE TIMINGS SHALL BE COORDINATED WITH THE CITY OF WINTER PARK.
9. TEMPORARY VEHICLE DETECTION SHALL BE USED FOR THE SIGNALIZED INTERSECTIONS ALONG THE PROJECT AND SHALL INCLUDE ALL DETECTORS, INSTALLATION, RELOCATION, ADJUSTMENTS, OR REPLACEMENTS AS REQUIRED.
10. CONTRACTOR SHALL INSTALL SPEEDING FINE SIGNS AND MESSAGE BOARDS AS DIRECTED BY THE ENGINEER.
11. TEMPORARY BARRIER WALLS SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS.
12. EXISTING REGULATORY SIGNS AND PAVEMENT MARKINGS ARE TO BE MAINTAINED AT ALL TIMES WHERE APPLICABLE. CONFLICTING EXISTING REGULATORY SIGNS ARE TO BE REMOVED OR COVERED. SIGN REMOVAL OR COVERING IS TO BE PAID UNDER THE LUMP SUM UNIT PRICE FOR MAINTENANCE OF TRAFFIC. EXISTING REGULATORY SPEED SIGNS APPLY UNLESS OTHERWISE NOTED.
13. ALL LANE/STREET CLOSURES SHALL BE REPORTED TO THE LOCAL EMERGENCY AGENCIES BY THE CITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT NOTIFICATION TO THE CITY OF THE POTENTIAL LANE CLOSURES SUCH THAT PROPER COORDINATION WITH THE LOCAL EMERGENCY AGENCIES MAY BE ATTAINED. UNLESS OTHERWISE AGREED UPON THIS NOTIFICATION PERIOD SHALL BE AT LEAST 24 HOURS BUT NOT MORE THAN 48 HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY RESIDENTS AND BUSINESSES A MINIMUM OF 24 HOURS IN ADVANCE OF ANY PLANNED UTILITY INTERRUPTIONS.

14. ALL PAVEMENT MARKINGS OBLITERATED OR NOTED BY THE ENGINEER IN ADVANCE OF THE CONSTRUCTION LIMITS SHALL BE RE- ESTABLISHED PRIOR TO REOPENING THE ROAD TO TRAFFIC.
15. CONSTRUCTION EQUIPMENT DRIVEN ON OPEN TRAVEL LANES SHALL USE INDEX 627.
16. WHEN A CONTRACTOR IS WORKING ON A SIGNAL OR CHANGING MOT PHASES, A UNIFORMED OFF- DUTY LAW ENFORCEMENT OFFICER SHALL BE PROVIDED BY THE CONTRACTOR FOR TRAFFIC CONTROL AS DIRECTED BY THE ENGINEER.
17. REQUESTS FOR LANE CLOSURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL (14) DAYS IN ADVANCE OF THE CLOSURE, THE CONTRACTOR IS REQUIRED TO SUBMIT A PLAN WHICH DETAILS EACH ACTIVITY INVOLVED IN EACH CLOSURE. THE PLAN SHALL INCLUDE BACK UP PLANS FOR ACTIVITIES CRITICAL TO THE RE- OPENING OF THE EFFECTED TRAVEL LANES. THE PLAN SHALL INCLUDE ALL SUBCONTRACTOR OPERATIONS IN ADDITION TO THE PRIME CONTRACTOR.
18. THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN ACCESS THROUGH THE WORK ZONE AT ALL TIMES. PEDESTRIAN ACCESS THROUGH ANY SCHOOL ZONES IS CRITICAL.
19. EXISTING CROSS WALKS SHALL REMAIN IN PLACE OR ALTERNATE CROSSWALKS PROVIDED ACCORDING TO FDOT STANDARD INDEX 660 DURING ALL PHASES OF CONSTRUCTION.
20. FOR WORK PERFORMED WITHIN MAJOR INTERSECTION AREAS AND INTERSECTING SIDE ROADS, CONSTRUCTION SIGNS, PAVEMENT MARKINGS AND BARRICADES SHALL CONFORM TO INDEX 622.
21. MAINTAIN PROPER DRAINAGE DURING CONSTRUCTION BY USING TEMPORARY PIPING, PUMPING OR OTHER METHODS APPROVED BY THE ENGINEER AND CITY.
22. VARIABLE MESSAGE SIGNS WILL BE PLACED ON THE APPROACH TO EACH CONSTRUCTION ZONE TWO WEEKS PRIOR TO STARTING CONSTRUCTION. THEY WILL BE USED TO NOTIFY THE PUBLIC OF UPCOMING CONSTRUCTION AND DURING CONSTRUCTION TO AID MOTORIST.
23. ADDITIONAL SIGNING, BARRICADES, OR OTHER TRAFFIC CONTROLS AS REQUIRED BY THE STANDARD INDEX AND MUTCD SHALL BE PROVIDED AS CONDITIONS WARRANT IN EACH PHASE. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF THE ASSOCIATED CONSTRUCTION, AND SHALL BE PROPERLY MAINTAINED AND OPERATED THROUGHOUT THE CONSTRUCTION PERIOD.
24. THIS MAINTENANCE OF TRAFFIC PLAN IS PROVIDED TO DESCRIBE THE MINIMUM CRITERIA FOR CERTAIN SITUATIONS AND IS NOT A SEQUENCE OF CONSTRUCTION.
25. THE CONTRACTOR SHALL NOTIFY LYNX OF TEMPORARY TRAFFIC CONTROL PLANS AND ALL CHANGES WITHIN 48 HOURS. THESE SHOULD BE SENT TO ASSISTANT CHIEF SUPERVISOR AT (407)254-6207 (kt11let@golynx.com) WITH A COPY TO THE CHIEF SUPERVISOR AT (407)254-6010 (srobinson@golynx.com).
26. ALL BUS STOPS ARE TO REMAIN IN USE DURING CONSTRUCTION AND PEDESTRIAN ACCESS TO BUS STOPS MUST BE MAINTAINED. THE CONTRACTOR MAY RELOCATE BUS STOPS TEMPORARILY IF NEEDED. ANY RELOCATIONS MUST BE COORDINATED WITH LYNX.
27. MAXIMUM SPACING BETWEEN TRAFFIC CONTROL DEVICES SHALL BE AS FOLLOWS:

LANE CLOSURE TAPERS:
TYPE I OR TYPE II BARRICADES OR VERTICAL PANELS OR DRUMS - 25'

THROUGH THE WORK ZONE:
TYPE I OR TYPE II BARRICADES OR VERTICAL PANELS OR DRUMS - 50'
28. FLAGGERS SHALL BE REQUIRED DURING CONSTRUCTION WITHIN SIGNALIZED INTERSECTIONS IN ORDER TO CONTROL TRAFFIC.
29. ALL ENTRANCE AND EXIT RAMPS SHALL REMAIN OPEN AT ALL TIMES.

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PHASE I

THE INTENT OF THIS PHASE IS TO RE-STRIPE EXISTING PAVEMENT FOR LANE WIDTH REDUCTIONS. THIS SHALL BE PERFORMED ONLY DURING LANE CLOSURE HOURS DEFINED IN THE TEMPORARY TRAFFIC CONTROL GENERAL NOTES.

1. INSTALL ADVANCE WARNING SIGNS PER DETAILS FDOT STANDARD INDEX 616.
2. INSTALL TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO FDOT STANDARD INDEX 616.
3. CLOSE OUTSIDE TRAVEL LANES PER FDOT STANDARD INDEX 616.
4. OBLITERATE EXISTING 10'-30' SKIP. INSTALL TEMPORARY 6" 10'-30' SKIP PAVEMENT MARKINGS CREATING A 10' OUTSIDE TRAVEL LANE.

PHASE IIA

THE INTENT OF THIS PHASE IS TO INSTALL UTILITY MAINS AND LATERAL STUB OUTS IN THE MEDIAN. THIS SHALL BE USED FOR DAY AND NIGHT TIME WORK. WORK IN INTERSECTIONS AT NIGHT ONLY. FOUR (4) LANES OF TRAFFIC TO BE PROVIDED EXCEPT DURING LANE CLOSURE TIMES DEFINED IN THE TEMPORARY TRAFFIC CONTROL GENERAL NOTES.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO THE TYPICAL SECTIONS AND PLANS.
2. CLOSE CENTER LANE.
3. INSTALL TEMPORARY BARRIER WALL AS SHOWN IN THE TYPICAL SECTIONS AND PLANS.
4. CONSTRUCT UTILITY MAINS, LATERAL STUB OUTS AND MANHOLES.
5. BACK FILL AND RESTORE TRENCH.
6. REMOVE EXISTING MEDIANS AT THE INTERSECTION OF FAIRBANKS AVE. AND I-4 EASTBOUND RAMPS.

PHASE IIB

THE INTENT OF THIS PHASE IS TO INSTALL SOUTHBOUND UTILITY LATERAL CONNECTIONS AND NEW SIGNAL MAST ARMS ON THE SOUTH SIDE OF FAIRBANKS AVE. THIS SHALL BE USED ONLY DURING LANE CLOSURE HOURS DEFINED IN THE TEMPORARY TRAFFIC CONTROL GENERAL NOTES. THIS PHASE CAN BE DONE CONCURRENTLY WITH PHASE IIA OR SEQUENTIALLY.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO FDOT STANDARD INDEX NO. 622 AND INDEX NO. 660.
2. SHIFT TRAFFIC TO WESTBOUND LANES.
3. CLOSE EASTBOUND LANES.
4. CONSTRUCT SOUTHBOUND UTILITY LATERAL CONNECTIONS.
5. RESTORE TRENCH.
6. CONSTRUCT U-TURN FLARE OUTS.
7. CONSTRUCT SIDEWALK IMPROVEMENTS.
8. CONSTRUCT MAST ARMS.

PHASE IIC

THE INTENT OF THIS PHASE IS TO INSTALL NORTHBOUND UTILITY LATERAL CONNECTIONS AND NEW SIGNAL MAST ARMS ON THE NORTH SIDE OF FAIRBANKS AVE. THIS SHALL BE USED ONLY DURING LANE CLOSURE HOURS DEFINED IN THE TEMPORARY TRAFFIC CONTROL GENERAL NOTES. THIS PHASE CAN BE DONE CONCURRENTLY WITH PHASE IIA OR SEQUENTIALLY.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO FDOT STANDARD INDEX NO. 622 AND INDEX NO. 660.
2. SHIFT TRAFFIC TO EASTBOUND LANES.
3. CLOSE WESTBOUND LANES.
4. CONSTRUCT NORTHBOUND UTILITY LATERAL CONNECTIONS.
5. CONSTRUCT U-TURN FLARE OUTS.
6. CONSTRUCT SIDEWALK IMPROVEMENTS.
7. CONSTRUCT MAST ARMS.

PHASE III

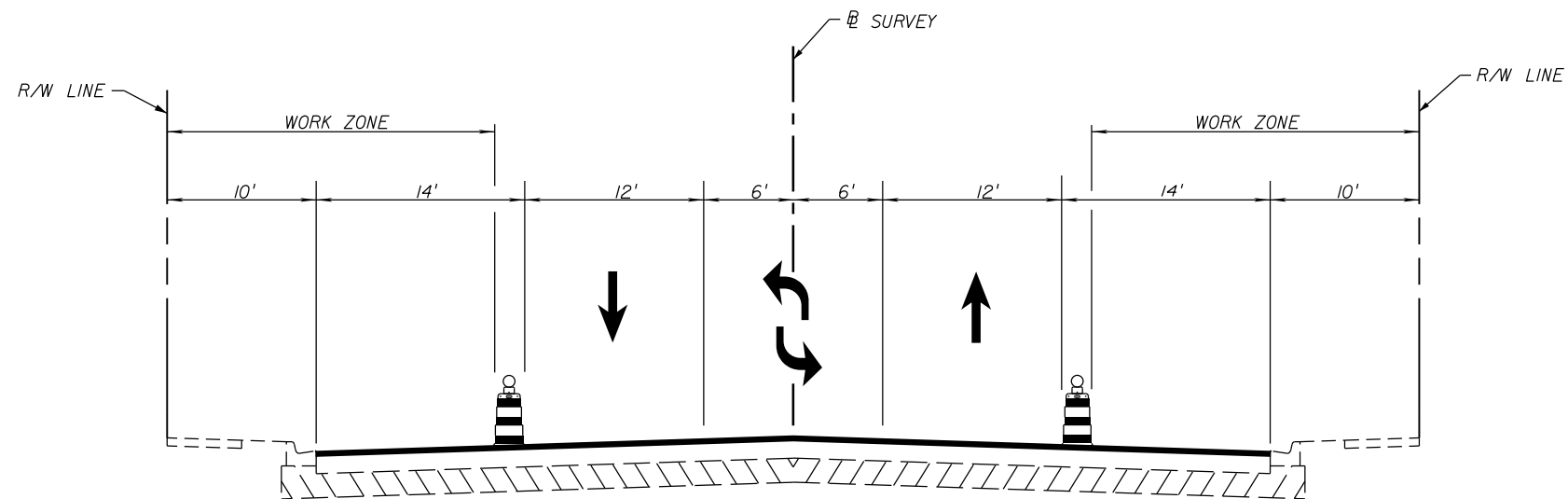
THE INTENT OF THIS PHASE IS TO MILL/RESURFACE EXISTING PAVEMENT.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES AND TRAFFIC CONTROL DEVICES ACCORDING TO FDOT STANDARD INDEX 619.
2. MILL/RESURFACE PAVEMENT.
3. INSTALL FINAL PAVEMENT MARKINGS.
4. INSTALL CROSSWALKS.

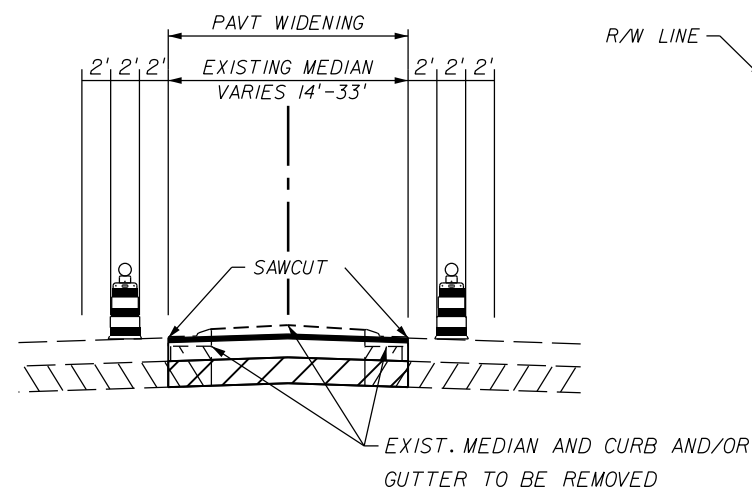
PHASES FM-I THROUGH FM-V

SIDESTREET FORCE MAIN CONSTRUCTION PHASE NOTES LOCATED WITH SIDESTREET TRAFFIC CONTROL PLAN TYPICAL SECTIONS.

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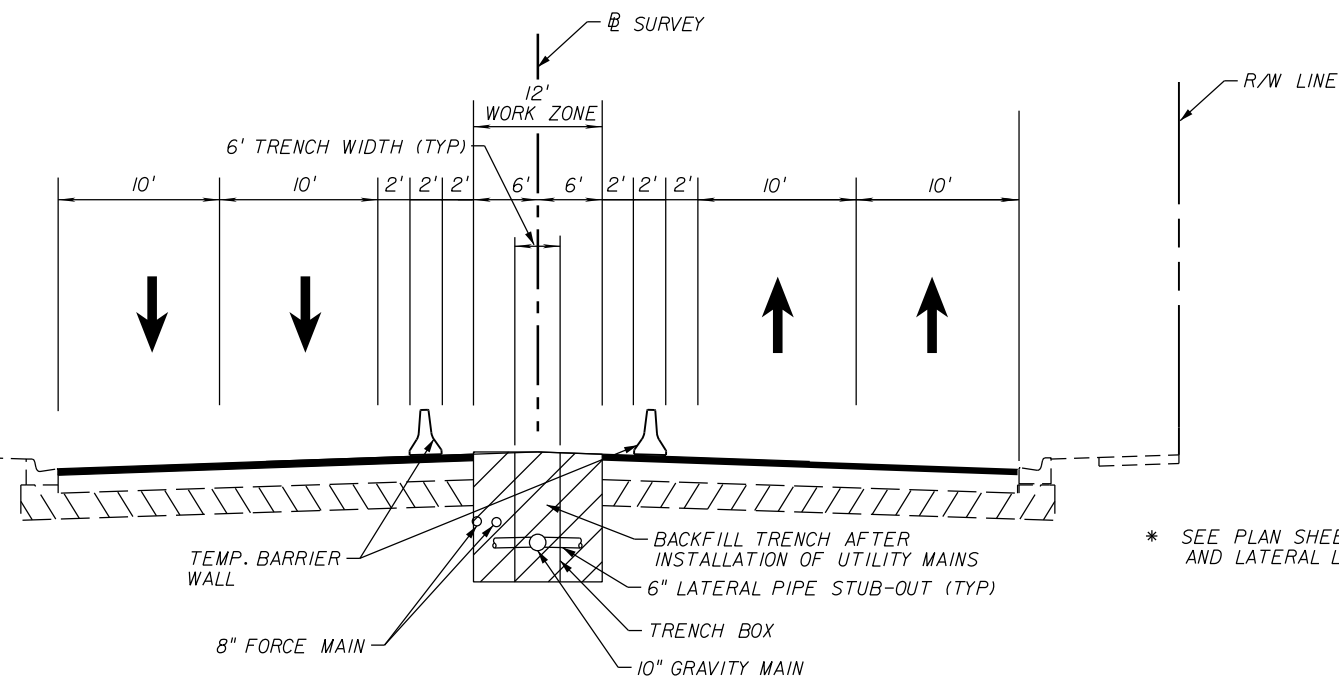
PHASE I
TYPICAL SECTION
FAIRBANKS AVE. (SR 426)
STA. 102+22.51 TO STA. 154+66.33



PHASE IIA
TYPICAL SECTION
STA. 101+38.00 TO STA. 103+60.00

PAVEMENT WIDENING (MEDIANS ONLY)

OPTIONAL BASE GROUP 6 (TYPE B-12.5 ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1.5")
AND FRICTION COURSE FC-12.5 (TRAFFIC C)(1.5") (PG76-22)

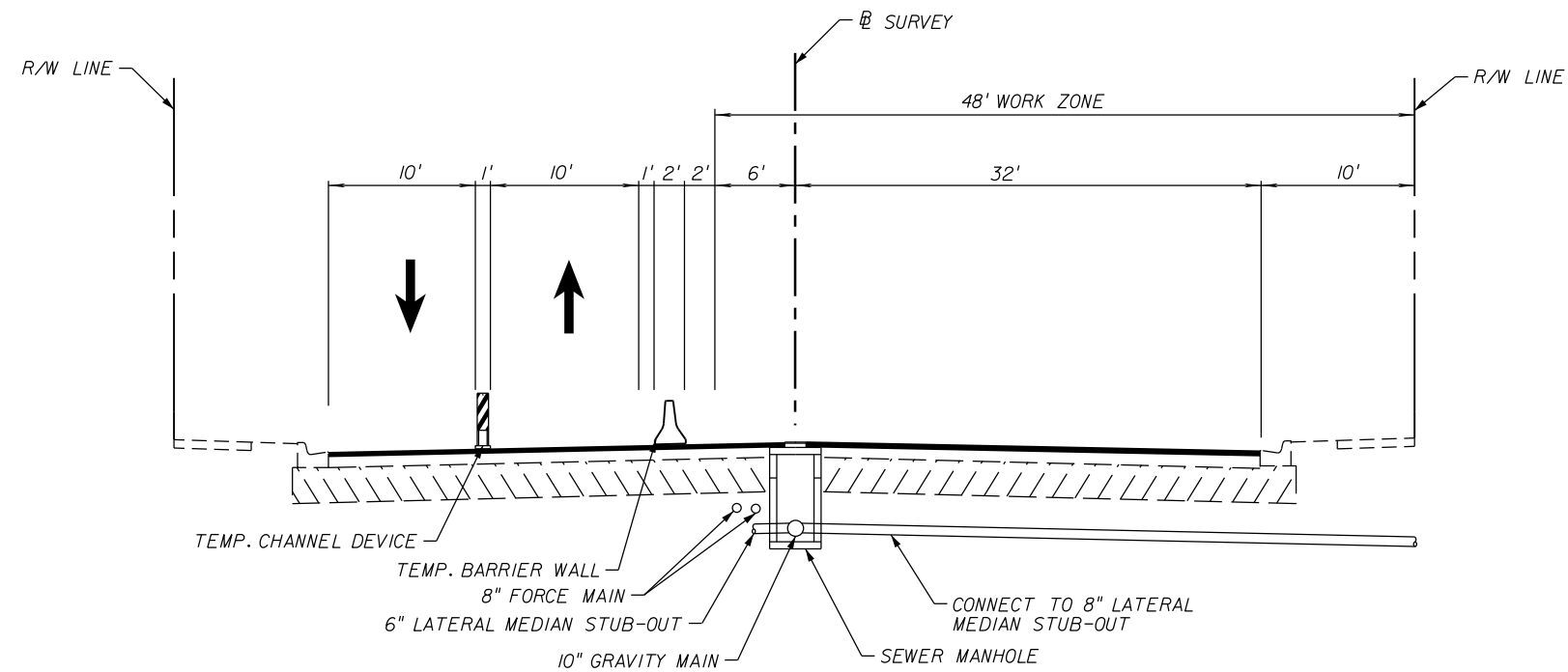


PHASE IIA
TYPICAL SECTION
FAIRBANKS AVE. (SR 426)
STA. 104+99.35 TO STA. 140+12.85

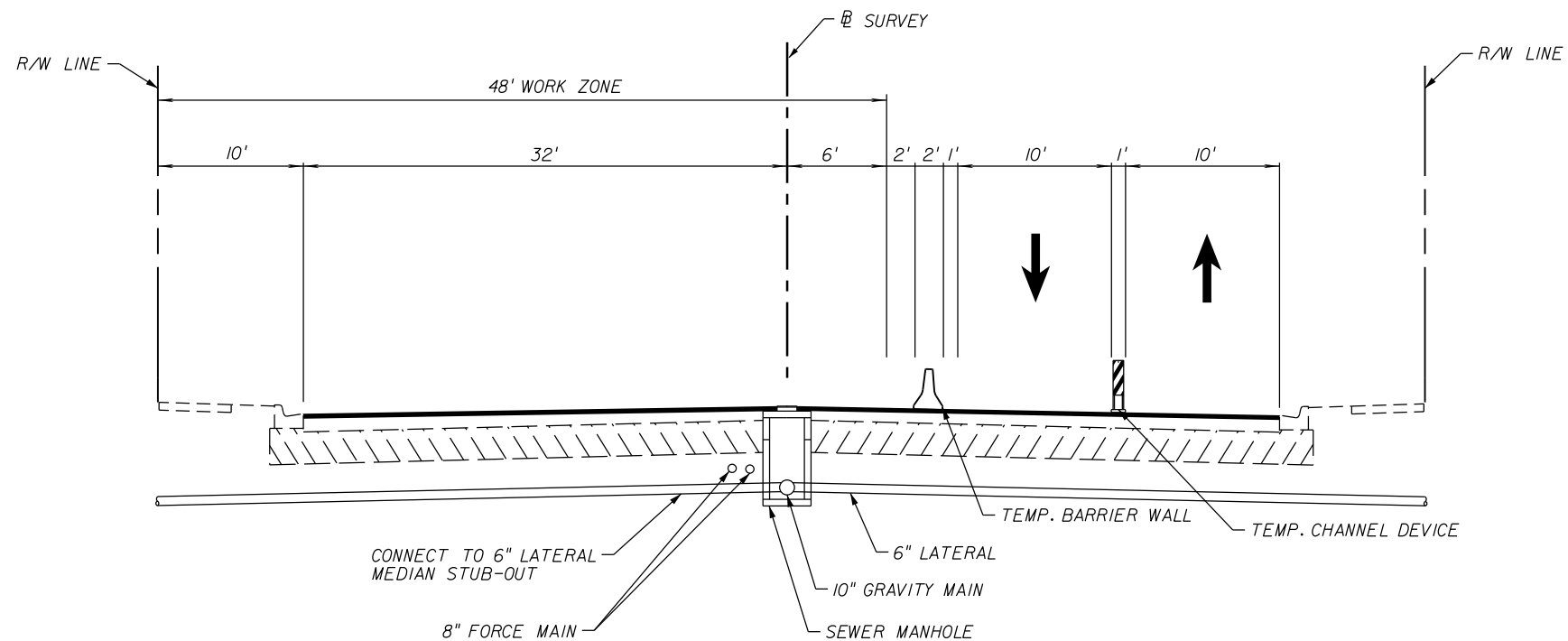
* SEE PLAN SHEET FOR MANHOLE
AND LATERAL LOCATIONS.

REVISIONS						CITY OF WINTER PARK			TRAFFIC CONTROL PLAN TYPICAL SECTIONS	SHEET NO. 29
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Engineer of Record: KRISTAL H. BURNS
P.E. License No.: 60883
CH2M HILL
225 E. ROBINSON STREET
SUITE 505
ORLANDO, FL 32801-4322
CERTIFICATE OF AUTHORIZATION NO. 000072

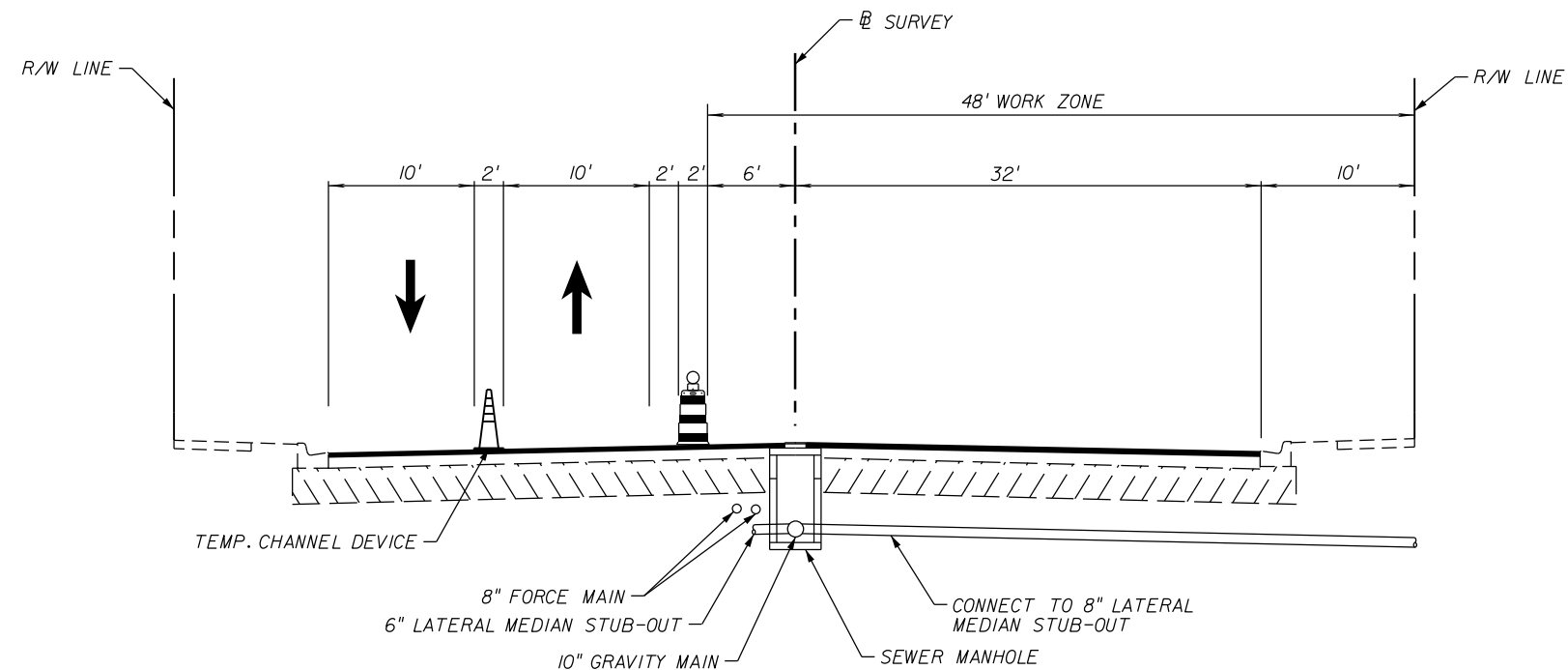


PHASE IIB - CONCURRENT WITH PHASE IIA
TYPICAL SECTION
FAIRBANKS AVE. (SR 426)
STA. 104+99.35 TO STA. 140+12.85

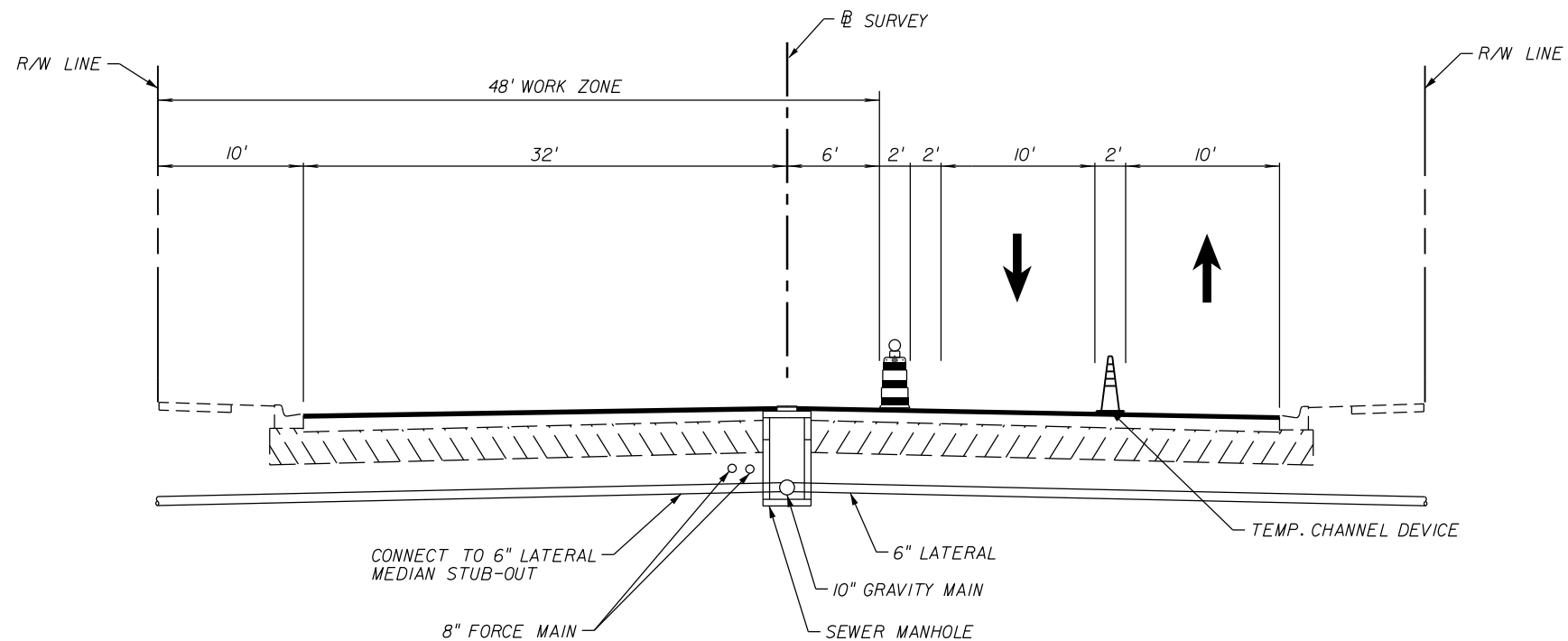


PHASE IIC - CONCURRENT WITH PHASE IIA
TYPICAL SECTION
FAIRBANKS AVE (S.R. 426)
STA. 104+99.35 TO STA. 140+12.85

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PHASE IIB - SEQUENTIALLY
TYPICAL SECTION
FAIRBANKS AVE. (SR 426)
STA. 104+99.35 TO STA. 140+12.85



PHASE IIC - SEQUENTIALLY
TYPICAL SECTION
FAIRBANKS AVE (S.R. 426)
STA. 104+99.35 TO STA. 140+12.85

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PHASE FM-I CAMBRIDGE BLVD SEGMENT -
HORIZONTAL DIRECTIONAL DRILL

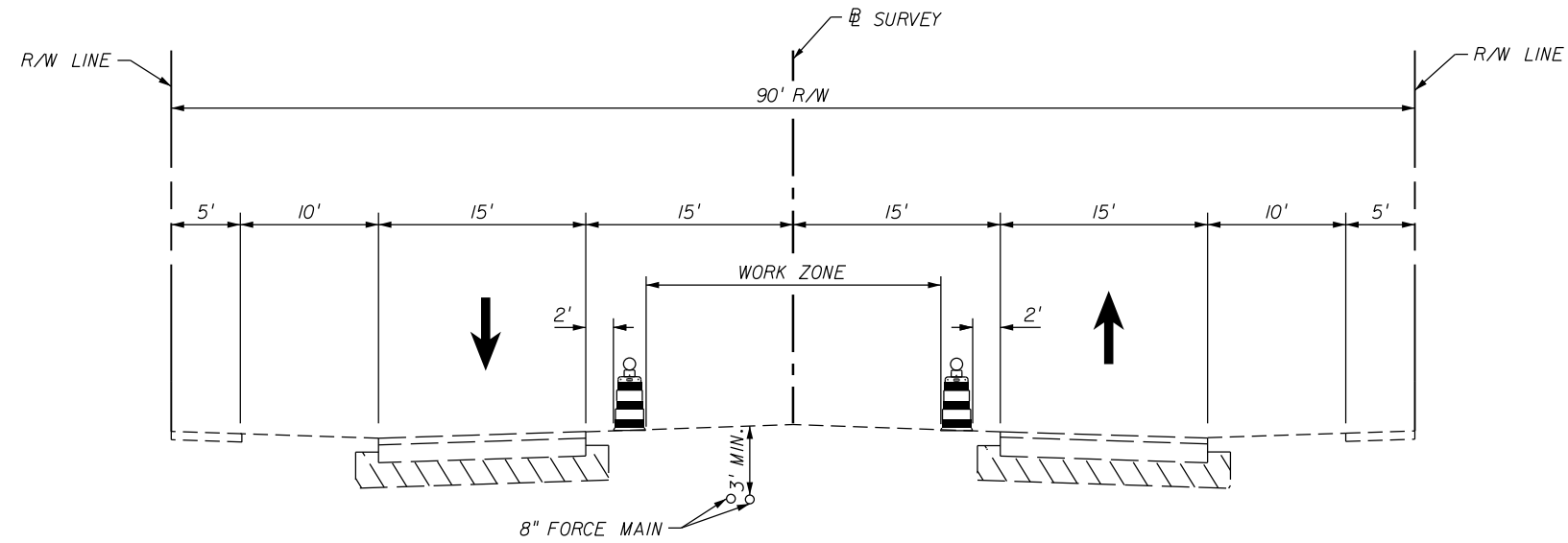
THE INTENT OF THIS PHASE IS TO CONSTRUCT THE TWO 8-INCH FORCE MAIN PIPELINES USING TRENCHLESS METHODS WITHIN THE 30-FOOT WIDE GRASS CENTER MEDIAN OF CAMBRIDGE BLVD FROM FAIRBANKS AVENUE TO KILLARNEY DRIVE. CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLAN TO ENGINEER FOR THIS PHASE OF WORK PRIOR TO CONSTRUCTION.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO THE FDOT 600-SERIES DESIGN STANDARDS, THE TYPICAL SECTIONS, DETAILS, AND PLANS.
2. CLOSE MEDIAN OPENINGS AS NECESSARY FOR CONSTRUCTION ACTIVITIES, PROVIDE SIGNAGE NORTH AND SOUTH OF MEDIAN OPENING CLOSURE FOR TRAFFIC CONTROL
3. PERFORM INITIAL BORE AND REAMING ACTIVITIES AS REQUIRED IN THE SPECIFICATIONS, DETAILS, AND PLANS.
4. DRILL RIG, DRILLING MUD FACILITIES AND ANCILLARY EQUIPMENT SHALL BE LOCATED ON THE MEDIAN AND SHALL NOT INTERFEAR WITH VEHICULAR TRAFFIC PATTERNS.
5. JOIN PIPE SECTIONS FOR EACH HORIZONTAL DIRECTIONALLY DRILLED SEGMENT ABOVE GROUND AND STAGE AT END OF DRILL EXIT PIT.
6. PULL JOINED PIPE SEGMENTS THROUGH BOREHOLE IN ONE CONTINUOUS OPERATION WHILE MAINTAINING DRILLING MUD PRESSURE AND TRAFFIC CONTROL FACILITIES.

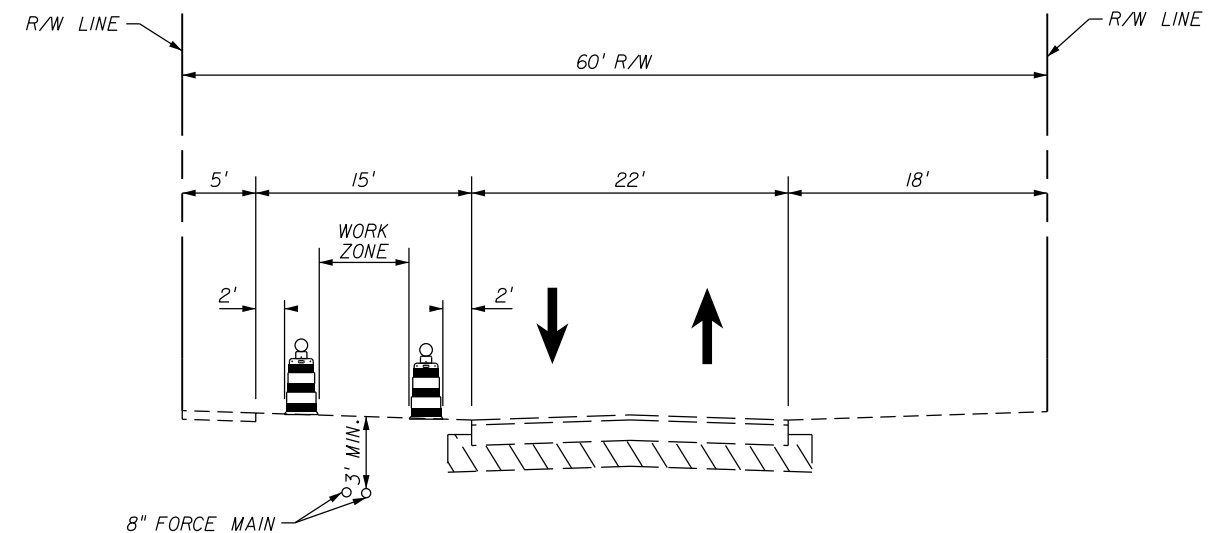
PHASE FM-II KILLARNEY DRIVE SEGMENT -
HORIZONTAL DIRECTIONAL DRILL

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE TWO 8-INCH FORCE MAIN PIPELINES USING TRENCHLESS METHODS ON THE SOUTHERN AND WESTERN 20-FOOT WIDE SHOULDER OF KILLARNEY DRIVE FROM CAMBRIDGE BLVD TO SALISBURY BLVD. CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLAN TO ENGINEER FOR THIS PHASE OF WORK PRIOR TO CONSTRUCTION.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO THE FDOT 600-SERIES DESIGN STANDARDS, THE TYPICAL SECTIONS, DETAILS, AND PLANS.
2. CLOSE DRIVEWAYS AS NECESSARY FOR CONSTRUCTION ACTIVITIES, COORDINATE DRIVEWAY CLOSURES WITH PROPERTY OWNERS A MINIMUM ONE WEEK PRIOR TO CONSTRUCTION.
3. PERFORM INITIAL BORE AND REAMING ACTIVITIES AS REQUIRED IN THE SPECIFICATIONS, DETAILS, AND PLANS.
4. DRILL RIG, DRILLING MUD FACILITIES AND ANCILLARY EQUIPMENT SHALL BE LOCATED ON THE SHOULDER AND SHALL NOT INTERFEAR WITH VEHICULAR TRAFFIC PATTERNS.
5. JOIN PIPE SECTIONS FOR EACH HORIZONTAL DIRECTIONALLY DRILLED SEGMENT ABOVE GROUND AND STAGE AT END OF DRILL EXIT PIT.
6. PULL JOINED PIPE SEGMENTS THROUGH BOREHOLE IN ONE CONTINUOUS OPERATION WHILE MAINTAINING DRILLING MUD PRESSURE AND TRAFFIC CONTROL FACILITIES.



TRAFFIC CONTROL PHASE
TYPICAL SECTION
CAMBRIDGE BLVD.
STA. 10+00.00 TO STA. 24+20.00



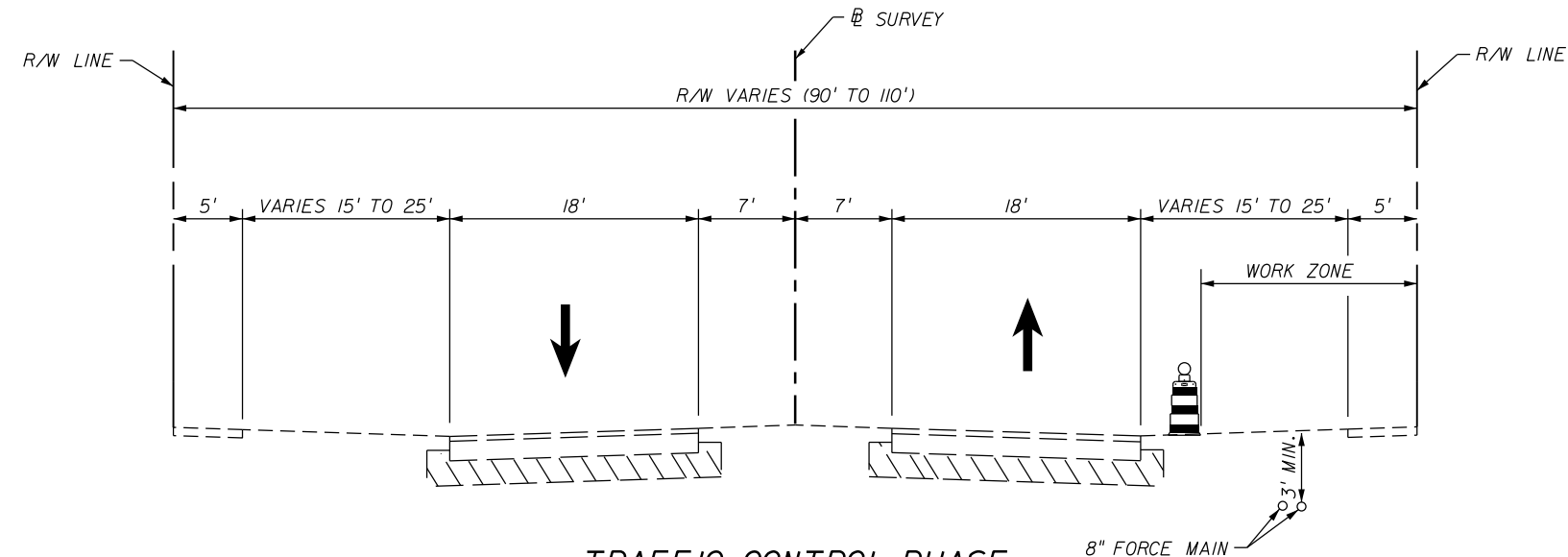
TRAFFIC CONTROL PHASE
TYPICAL SECTION
KILLARNEY DR.
STA. 24+20.00 TO STA. 30+01.51

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN TYPICAL SECTIONS	SHEET NO. 32
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PHASE FM-III SALISBURY BLVD SEGMENT -
HORIZONTAL DIRECTIONAL DRILL

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE TWO 8-INCH FORCE MAIN PIPELINES USING TRENCHLESS METHODS ON THE NORTHERN SHOULDER OF SALISBURY BLVD FROM KILLARNEY DRIVE TO WYMORE ROAD. CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLAN TO ENGINEER FOR THIS PHASE OF WORK PRIOR TO CONSTRUCTION.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO THE FDOT 600-SERIES DESIGN STANDARDS, THE TYPICAL SECTIONS, DETAILS, AND PLANS.
2. CLOSE DRIVEWAYS AS NECESSARY FOR CONSTRUCTION ACTIVITIES, COORDINATE DRIVEWAY CLOSURES WITH PROPERTYOWNERS A MINIMUM ONE WEEK PRIOR TO CONSTRUCTION.
3. PERFORM INITIAL BORE AND REAMING ACTIVITIES AS REQUIRED IN THE SPECIFICATIONS, DETAILS, AND PLANS.
4. DRILL RIG, DRILLING MUD FACILITIES AND ANCILLARY EQUIPMENT SHALL BE LOCATED ON THE SHOULDER AND SHALL NOT INTERFEAR WITH VEHICULAR TRAFFIC PATTERNS.
5. JOIN PIPE SECTIONS FOR EACH HORIZONTAL DIRECTIONALLY DRILLED SEGMENT ABOVE GROUND AND STAGE AT END OF DRILL EXIT PIT. PROVIDE DETOUR SIGNAGE FOR KILLARNEY DRIVE IN THE EVENT THE STRING OF JOINED PIPE IS STAGED EAST OF KILLARNEY DRIVE.
6. PULL JOINED PIPE SEGMENTS THROUGH BOREHOLE IN ONE CONTINUOUS OPERATION WHILE MAINTAINING DRILLING MUD PRESSURE AND TRAFFIC CONTROL FACILITIES.



TRAFFIC CONTROL PHASE
TYPICAL SECTION
SALISBURY BLVD.
STA. 30+01.51 TO STA. 47+41.16

PHASE FM-IV WYMORE ROAD SEGMENT -
OPEN CUT

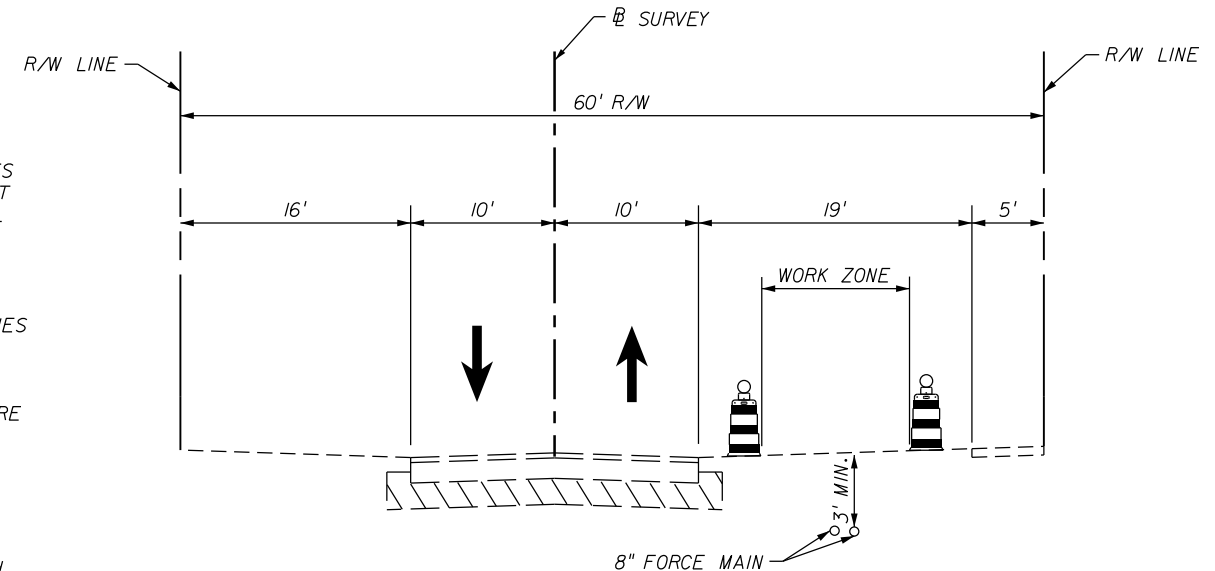
THE INTENT OF THIS PHASE IS TO CONSTRUCT THE TWO 8-INCH FORCE MAIN PIPELINES USING OPEN CUT METHODS FOR SEGMENTS ALONG THE EASTERN SHOULDER OF WYMORE ROAD FROM SALISBURY BOULEVARD TO A POINT APPROXIMATELY 1,000 FEET NORTH OF LEE ROAD. IT IS ASSUMED THAT THE CONSTRUCTION WILL PROGRESS IN A NORTHWARD DIRECTION. CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLAN TO ENGINEER FOR THIS PHASE OF WORK PRIOR TO CONSTRUCTION.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO THE FDOT 600-SERIES DESIGN STANDARDS, THE TYPICAL SECTIONS, DETAILS, AND PLANS.
2. CLOSE NORTHBOUND LANE AS NECESSARY FOR CONSTRUCTION ACTIVITIES, PROVIDE FLAGGERS NORTH AND SOUTH OF LANE CLOSURE FOR TRAFFIC CONTROL
3. STAGE PIPE MATERIALS AHEAD OF CONSTRUCTION A MINIMUM OF 15 FEET EAST OF THE EDGE OF PAVEMENT
4. OPEN CUT TRENCH CENTERED ON PIPE ALIGNMENT, PLACE EXCAVATED MATERIAL A MINIMUM OF 3 FEET AWAY FROM EDGE OF EXCAVATION.
5. PLACE PIPELINE MATERIALS
6. PLACE AND COMPACT APPROVED BACKFILL MATERIAL
7. SEE NOTES FOR PHASE FM-V WYMORE ROAD SEGMENT * HORIZONTAL DIRECTIONAL DRILL FOR SIDE STREET CROSSING REQUIREMENTS.

PHASE FM-V WYMORE ROAD SEGMENT -
HORIZONTAL DIRECTIONAL DRILL

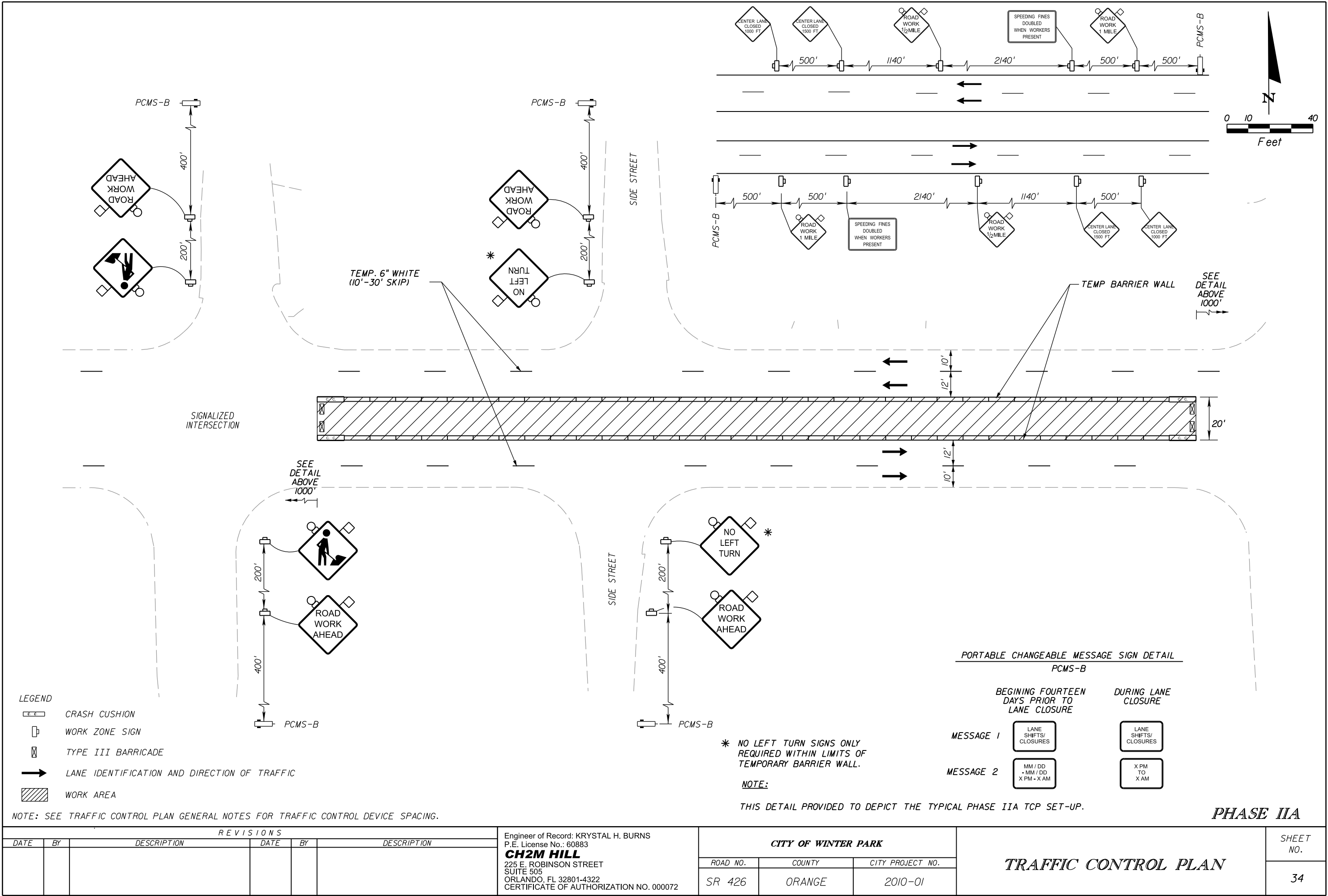
THE INTENT OF THIS PHASE IS TO CONSTRUCT THE TWO 8-INCH FORCE MAIN PIPELINES USING TRENCHLESS METHODS FOR SEGMENTS ALONG THE EASTERN SHOULDER OF WYMORE ROAD AT SIDE STREET CROSSINGS. CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLAN TO ENGINEER FOR THIS PHASE OF WORK PRIOR TO CONSTRUCTION.

1. INSTALL ADVANCE WARNING SIGNS, TEMPORARY BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO THE FDOT 600-SERIES DESIGN STANDARDS, THE TYPICAL SECTIONS, DETAILS, AND PLANS.
2. CLOSE NORTHBOUND LANE AS NECESSARY FOR CONSTRUCTION ACTIVITIES, PROVIDE FLAGGERS NORTH AND SOUTH OF LANE CLOSURE FOR TRAFFIC CONTROL
3. PERFORM INITIAL BORE AND REAMING ACTIVITIES AS REQUIRED IN THE SPECIFICATIONS, DETAILS, AND PLANS.
4. DRILL RIG, DRILLING MUD FACILITIES AND ANCILLARY EQUIPMENT SHALL BE LOCATED ON SHOULDER AND SHALL NOT INTERFEAR WITH VEHICULAR TRAFFIC PATTERNS.
5. JOIN PIPE SECTIONS FOR EACH SIDE STREET CROSSING AND STAGE AT THE END OF THE DRILL EXIT PIT.
6. PULL JOINED PIPE SEGMENTS THROUGH BOREHOLE IN ONE CONTINUOUS OPERATION WHILE MAINTAINING DRILLING MUD PRESSURE AND TRAFFIC CONTROL FACILITIES.
7. SEE NOTES FOR PHASE FM-IV WYMORE ROAD SEGMENT * OPEN CUT FOR CONNECTING TO OPEN-CUT INSTALLED PIPELINE SEGMENTS.



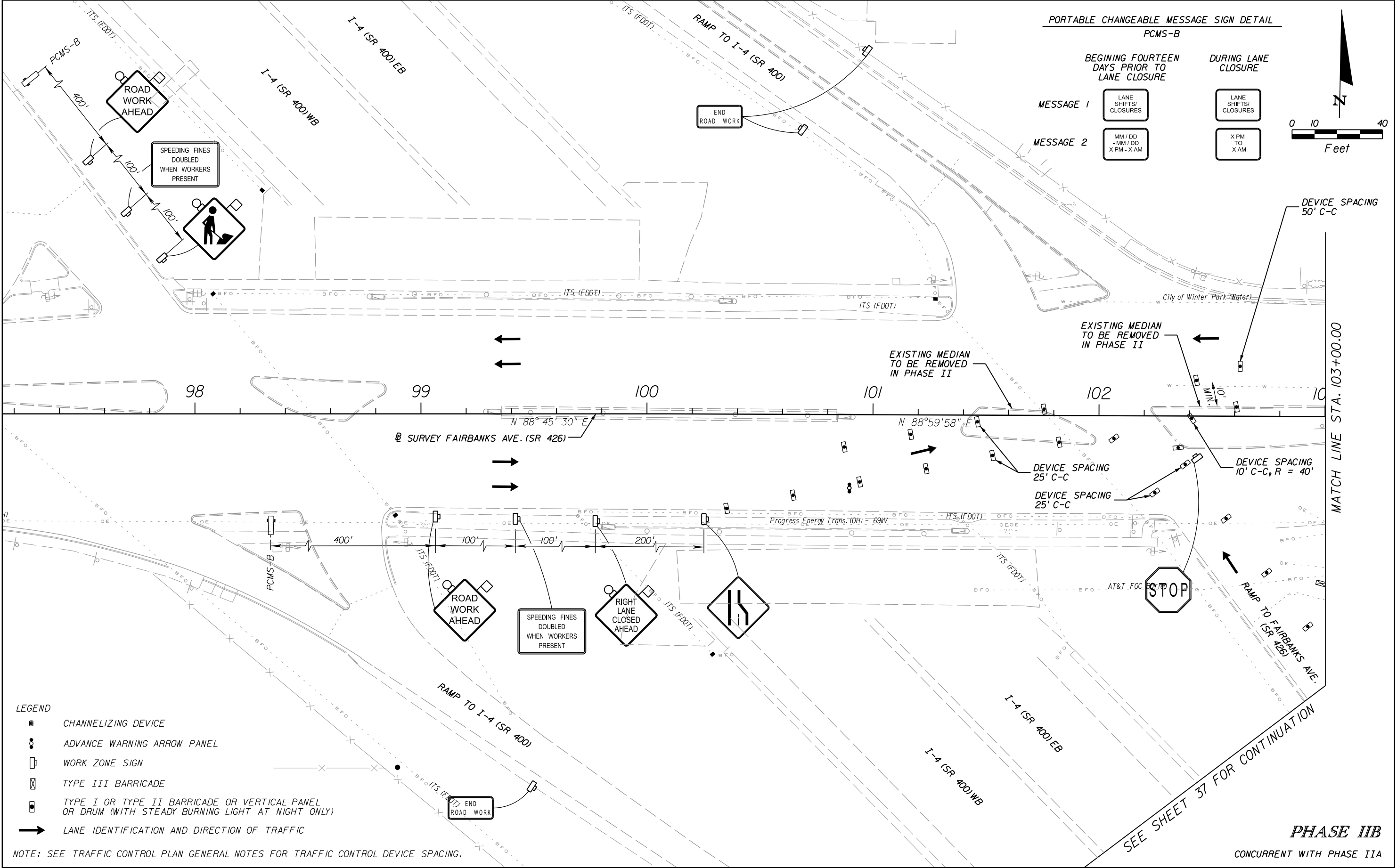
TRAFFIC CONTROL PHASE
TYPICAL SECTION
WYMORE RD.
STA. 101+39.67 TO STA. 148+07.55

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN TYPICAL SECTIONS	SHEET NO. 33
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		

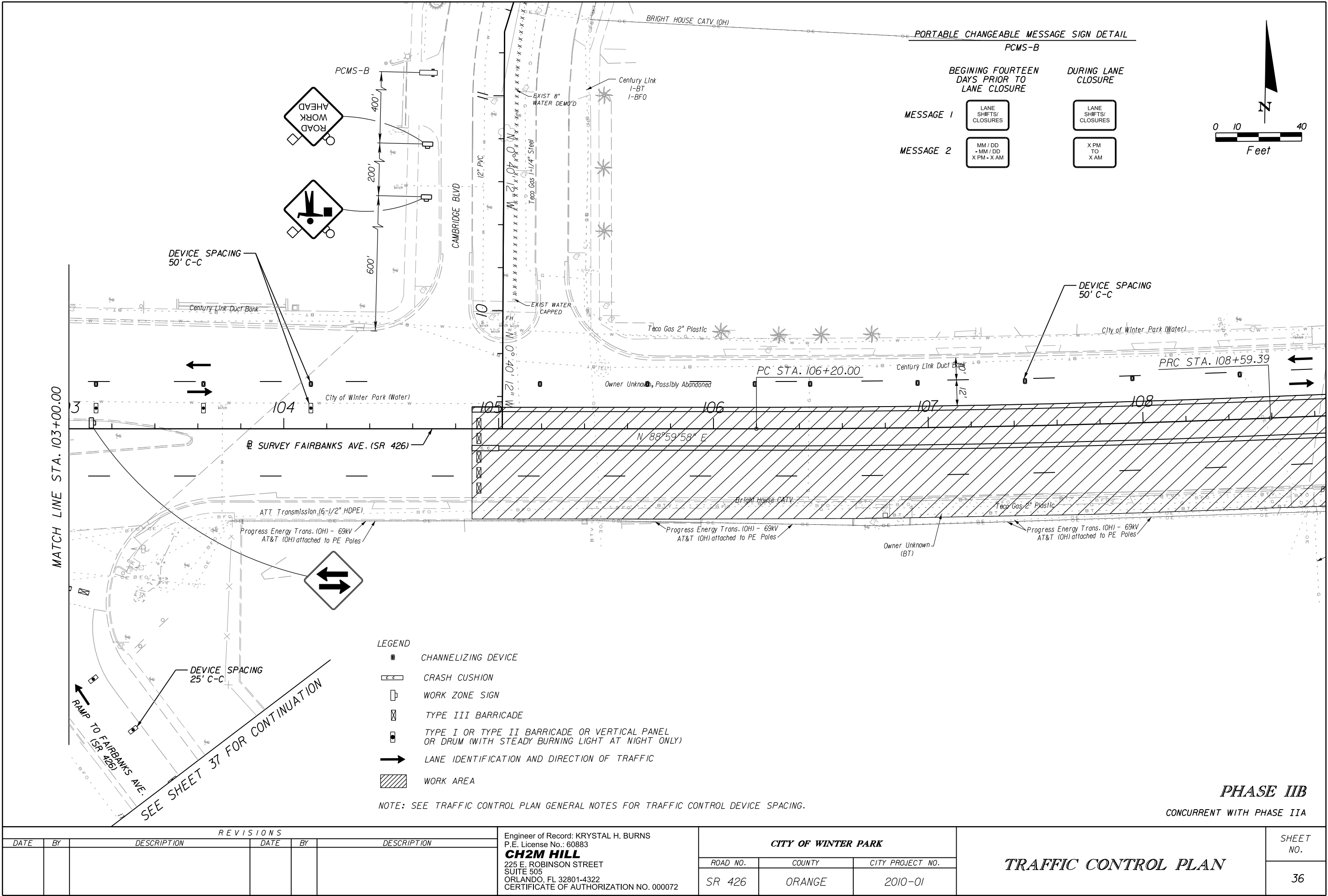


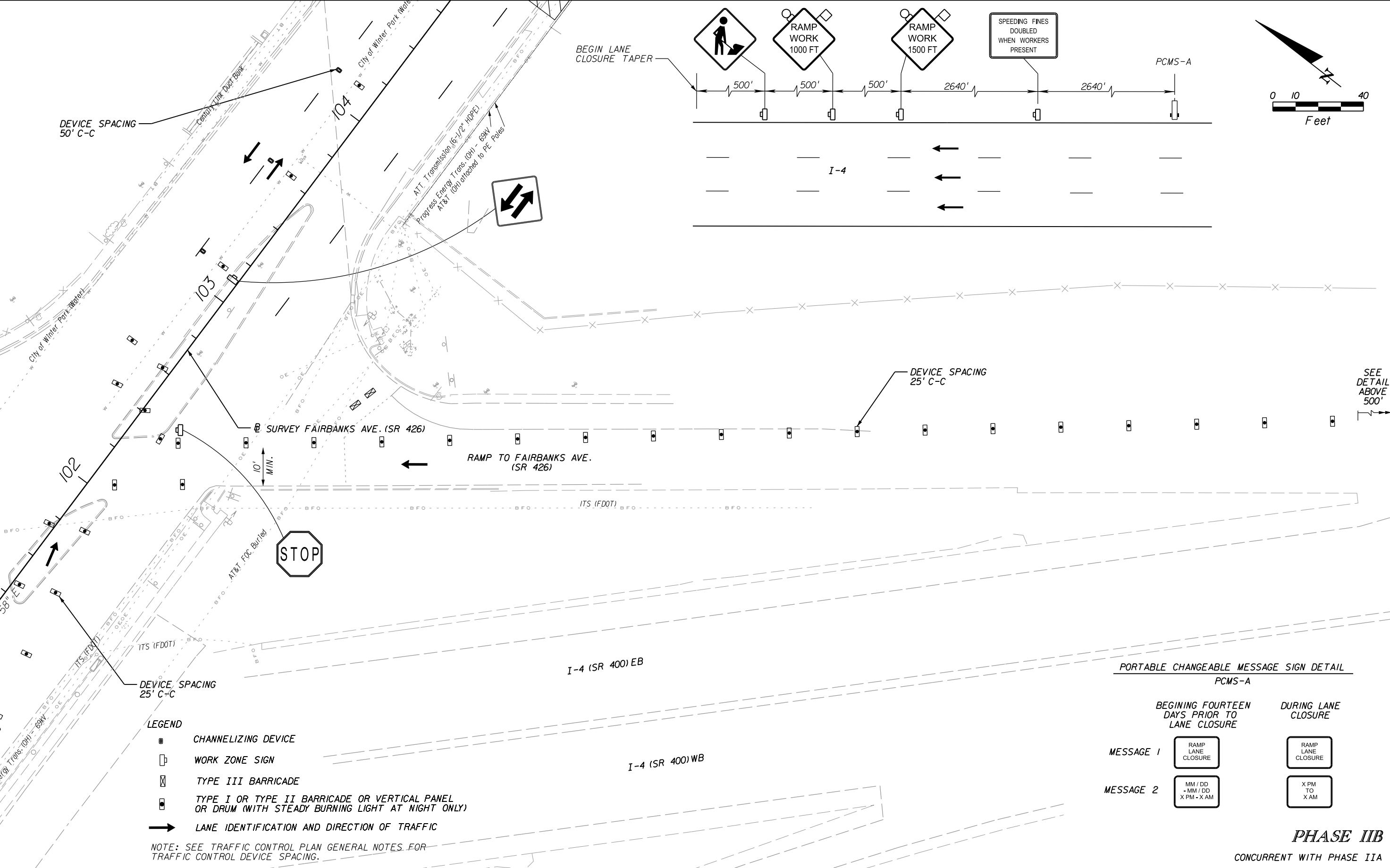
NOTE: SEE TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC CONTROL DEVICE SPACING.

R E V I S I O N S						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		34
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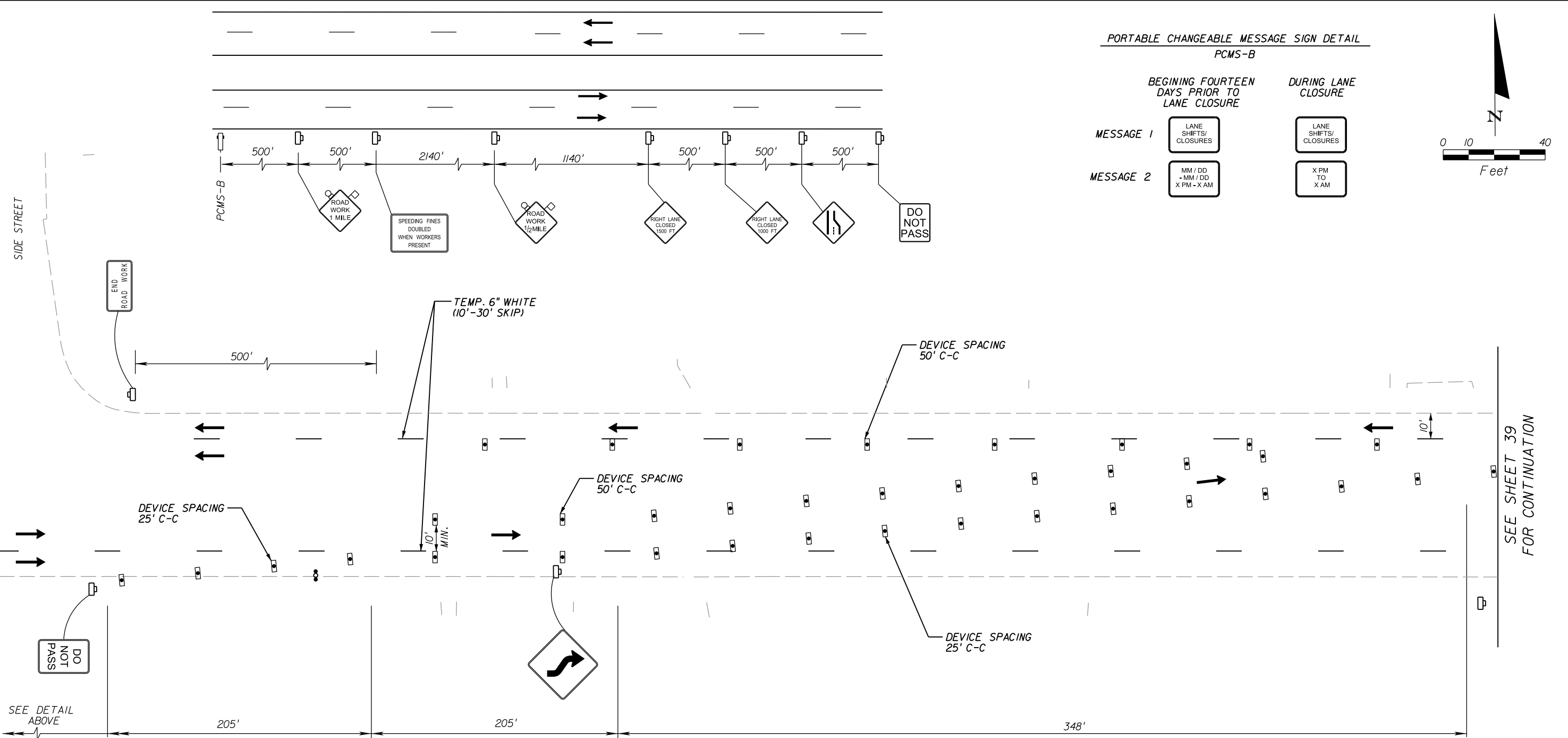


REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN	SHEET NO. 35
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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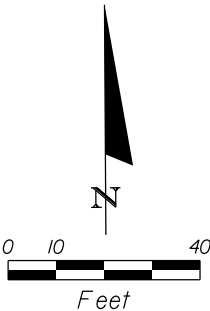


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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		37
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PORTABLE CHANGEABLE MESSAGE SIGN DETAIL
PCMS-B

	BEGINNING FOURTEEN DAYS PRIOR TO LANE CLOSURE	DURING LANE CLOSURE
MESSAGE 1	LANE SHIFTS/ CLOSURES	LANE SHIFTS/ CLOSURES
MESSAGE 2	MM / DD - MM / DD X PM - X AM	X PM TO X AM



LEGEND

- CRASH CUSHION
- WORK ZONE SIGN
- ADVANCE WARNING ARROW PANEL
- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK AREA

NOTE: SEE TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC CONTROL DEVICE SPACING.

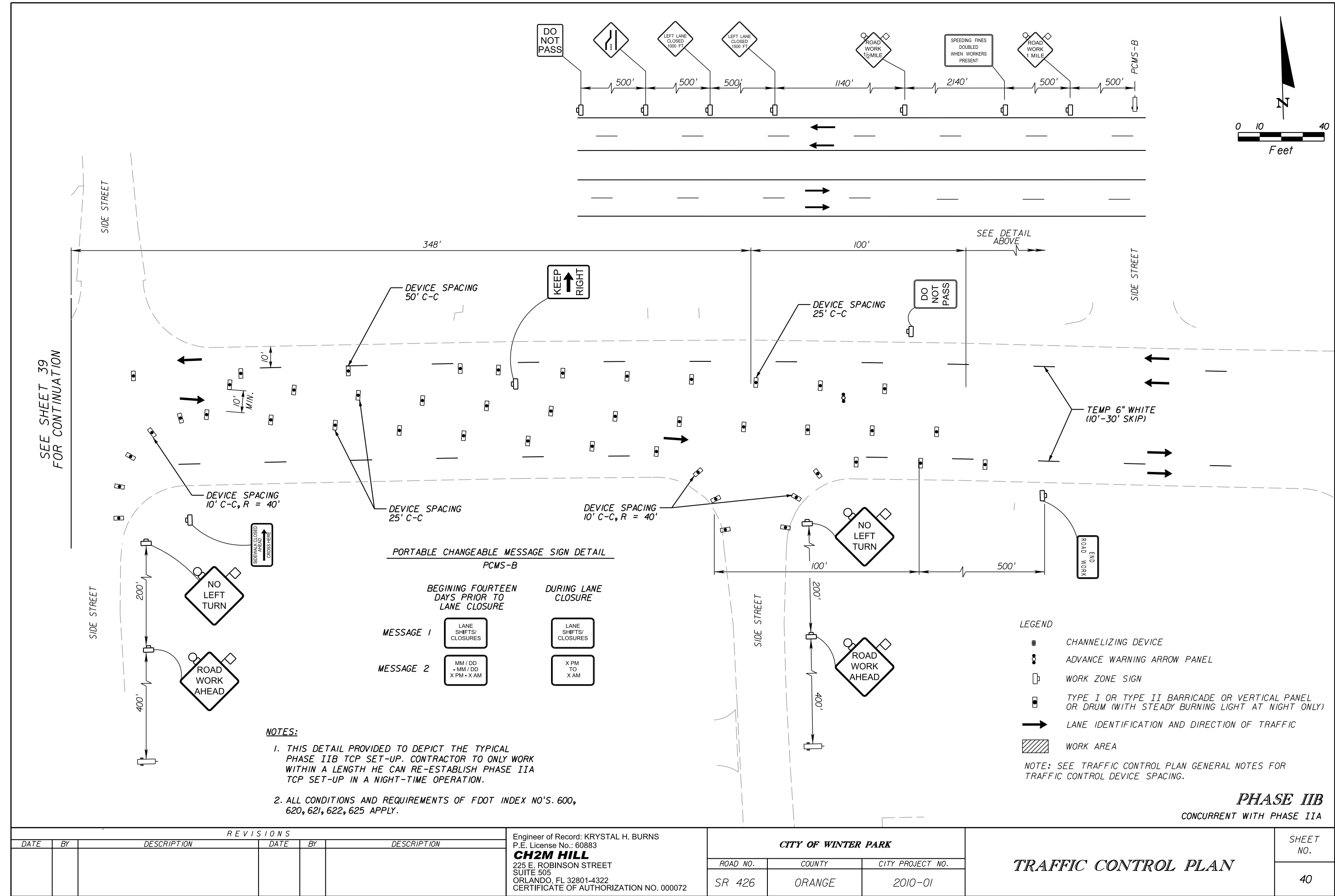
** LENGTH OF TAPER AND TANGENT TO BE ESTABLISHED IN ACCORDANCE WITH FDOT PPM CHAPTER 10

NOTES:

- THIS DETAIL PROVIDED TO DEPICT THE TYPICAL PHASE IIB TCP SET-UP. CONTRACTOR TO ONLY WORK WITHIN A LENGTH HE CAN RE-ESTABLISH PHASE IIA TCP SET-UP IN A NIGHT-TIME OPERATION.
- ALL CONDITIONS AND REQUIREMENTS OF FDOT INDEX NO'S. 600, 620, 621, 622, 625 APPLY.

PHASE IIB
CONCURRENT WITH PHASE IIA

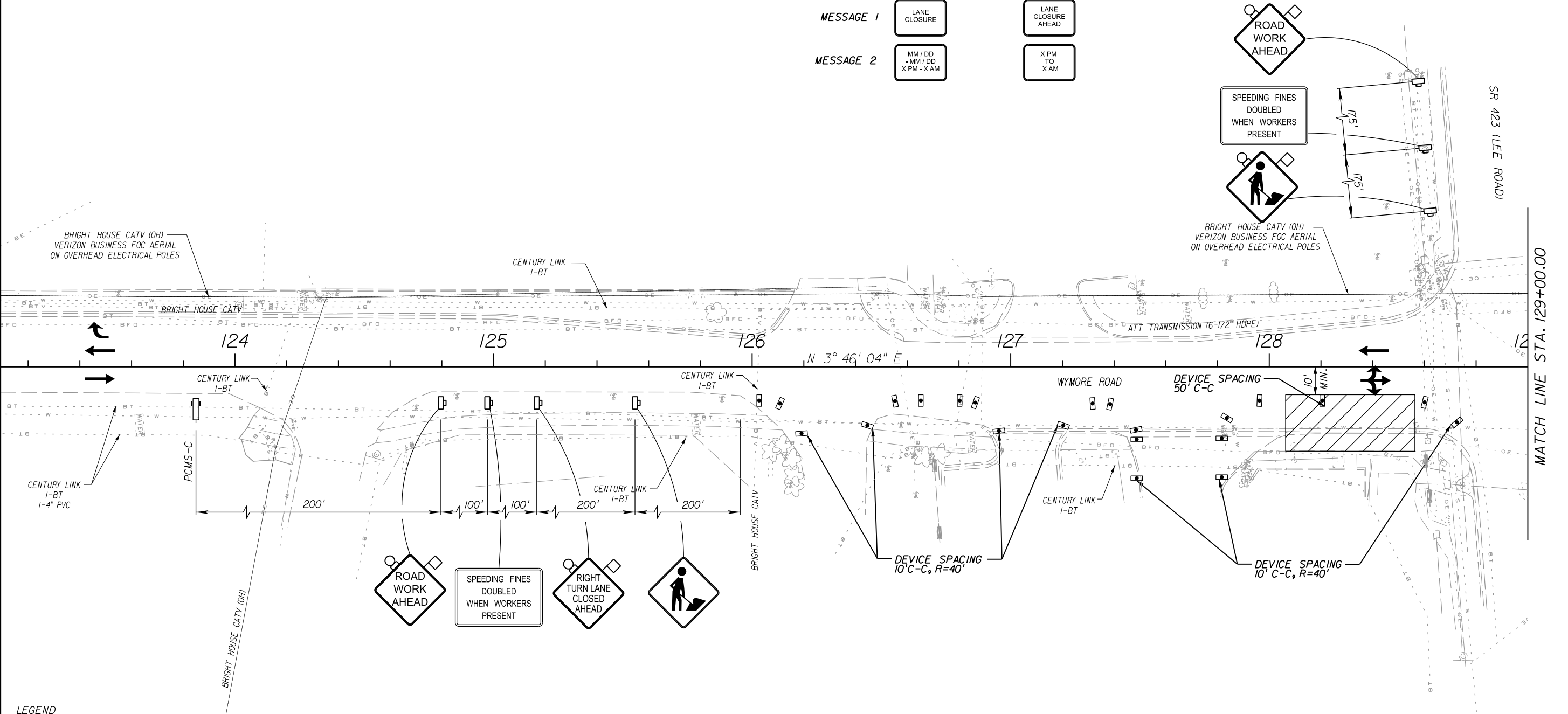
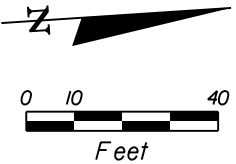
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		38



PORTABLE CHANGEABLE MESSAGE SIGN DETAIL

PCMS-C

	BEGINNING FOURTEEN DAYS PRIOR TO LANE CLOSURE	DURING LANE CLOSURE
MESSAGE 1	LANE CLOSURE	LANE CLOSURE AHEAD
MESSAGE 2	MM / DD - MM / DD X PM - X AM	X PM TO X AM



LEGEND

- WORK ZONE SIGN
- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK AREA

NOTE: SEE TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC CONTROL DEVICE SPACING.

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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PORTABLE CHANGEABLE MESSAGE SIGN DETAIL

PCMS-C

BEGINNING FOURTEEN
DAYS PRIOR TO
LANE CLOSURE

DURING LANE
CLOSURE

MESSAGE 1

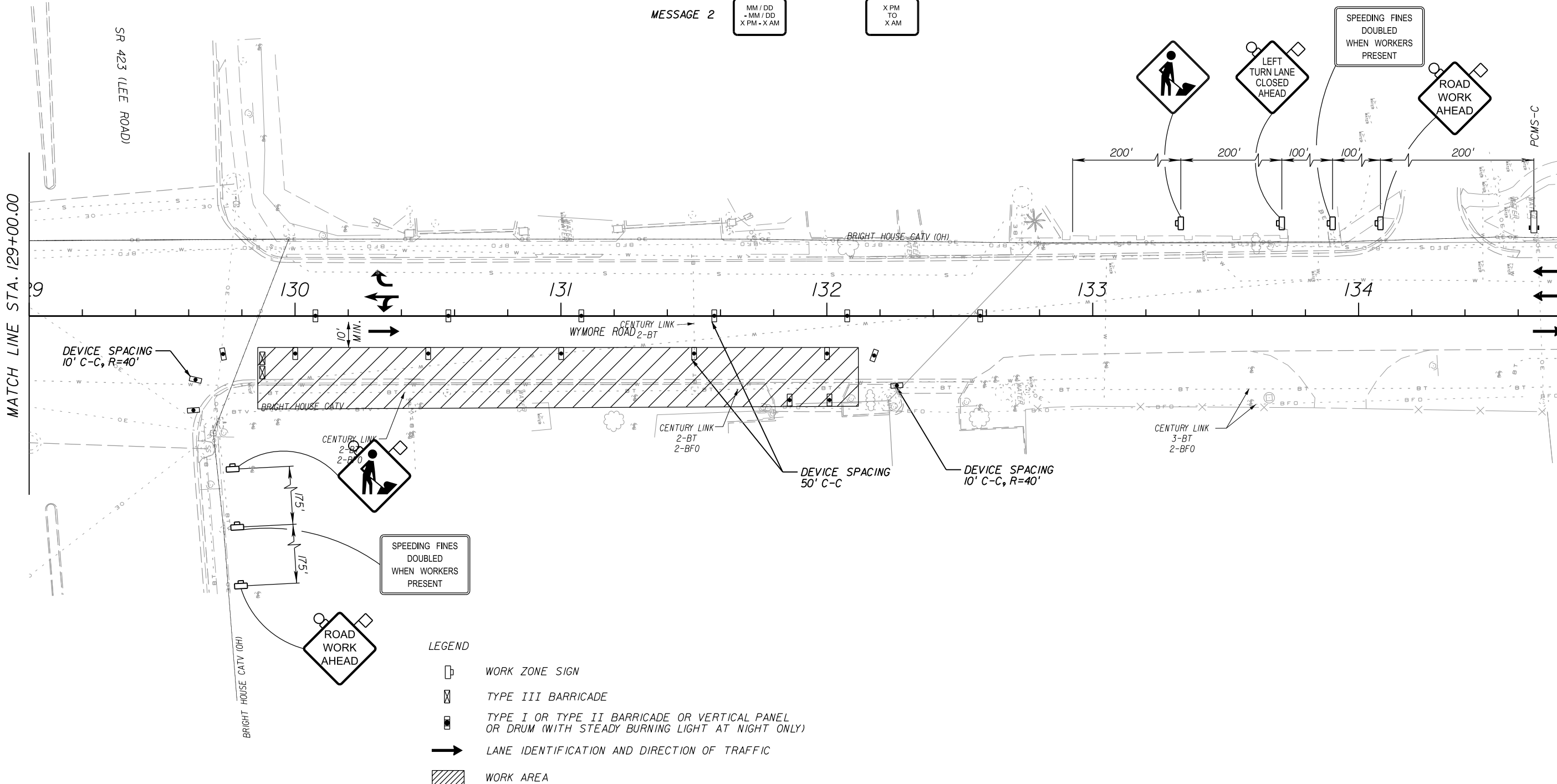
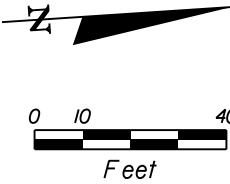
LANE
CLOSURES

LANE
CLOSURES
AHEAD

MESSAGE 2

MM / DD
- MM / DD
X PM - X AM

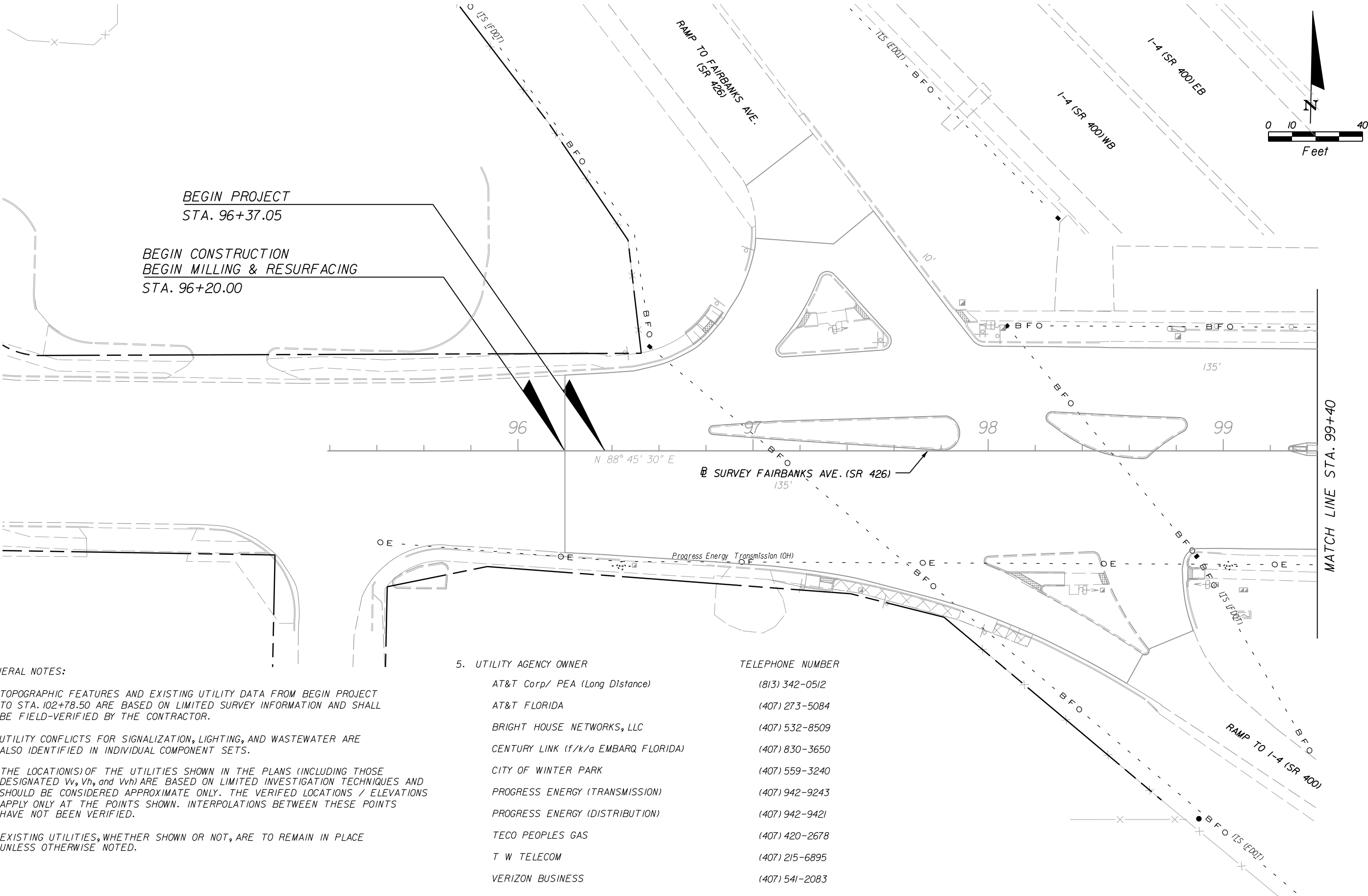
X PM
TO
X AM



- LEGEND
- WORK ZONE SIGN
 - TYPE III BARRICADE
 - TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 - WORK AREA

NOTE: SEE TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC CONTROL DEVICE SPACING.

R E V I S I O N S						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			TRAFFIC CONTROL PLAN	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		42
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GENERAL NOTES:

1. TOPOGRAPHIC FEATURES AND EXISTING UTILITY DATA FROM BEGIN PROJECT TO STA. 102+78.50 ARE BASED ON LIMITED SURVEY INFORMATION AND SHALL BE FIELD-VERIFIED BY THE CONTRACTOR.
2. UTILITY CONFLICTS FOR SIGNALIZATION, LIGHTING, AND WASTEWATER ARE ALSO IDENTIFIED IN INDIVIDUAL COMPONENT SETS.
3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, and Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS / ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
4. EXISTING UTILITIES, WHETHER SHOWN OR NOT, ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

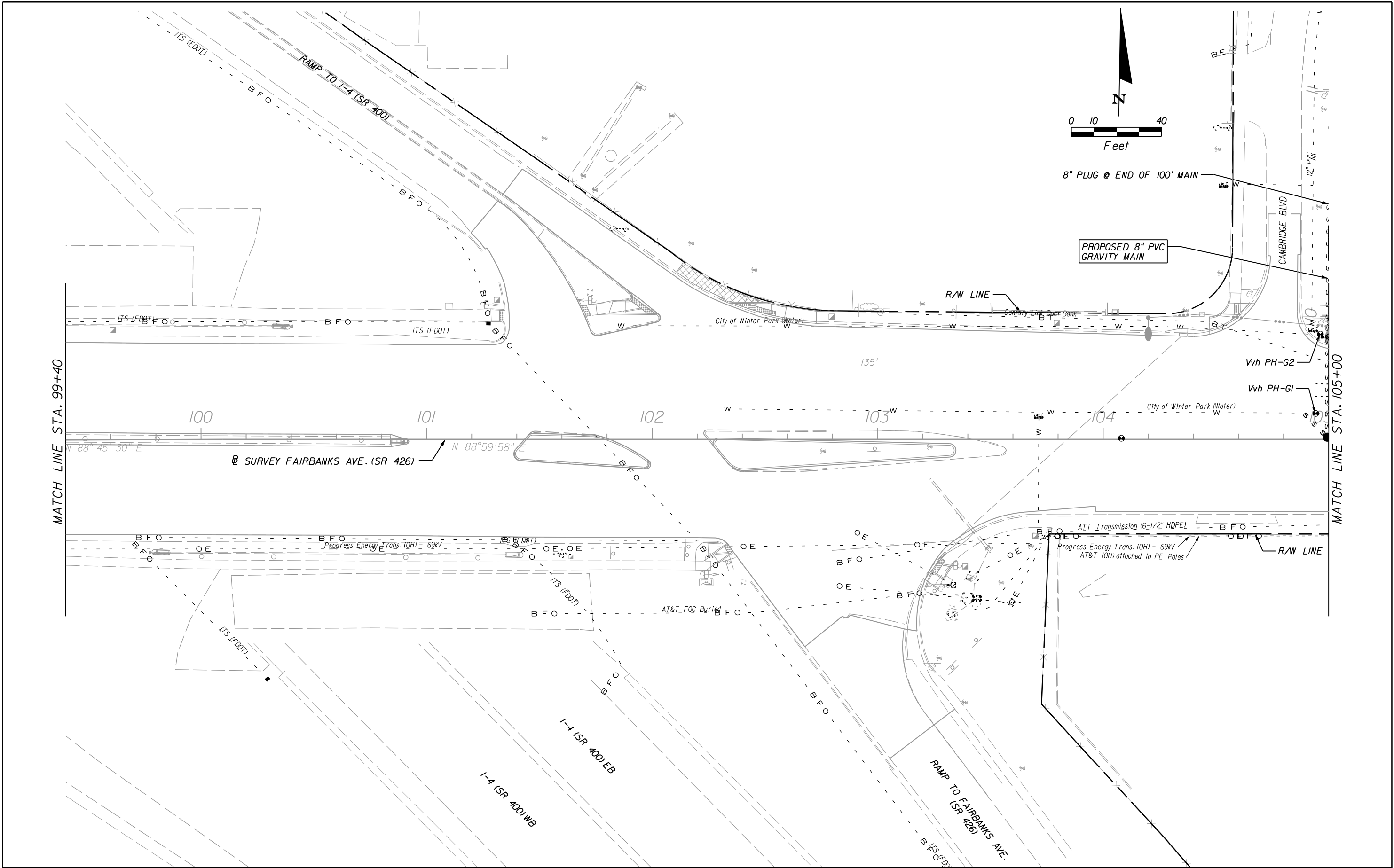
5. UTILITY AGENCY OWNER

AT&T Corp/ PEA (Long Distance)
AT&T FLORIDA
BRIGHT HOUSE NETWORKS, LLC
CENTURY LINK (f/k/a EMBARQ FLORIDA)
CITY OF WINTER PARK
PROGRESS ENERGY (TRANSMISSION)
PROGRESS ENERGY (DISTRIBUTION)
TECO PEOPLES GAS
T W TELECOM
VERIZON BUSINESS

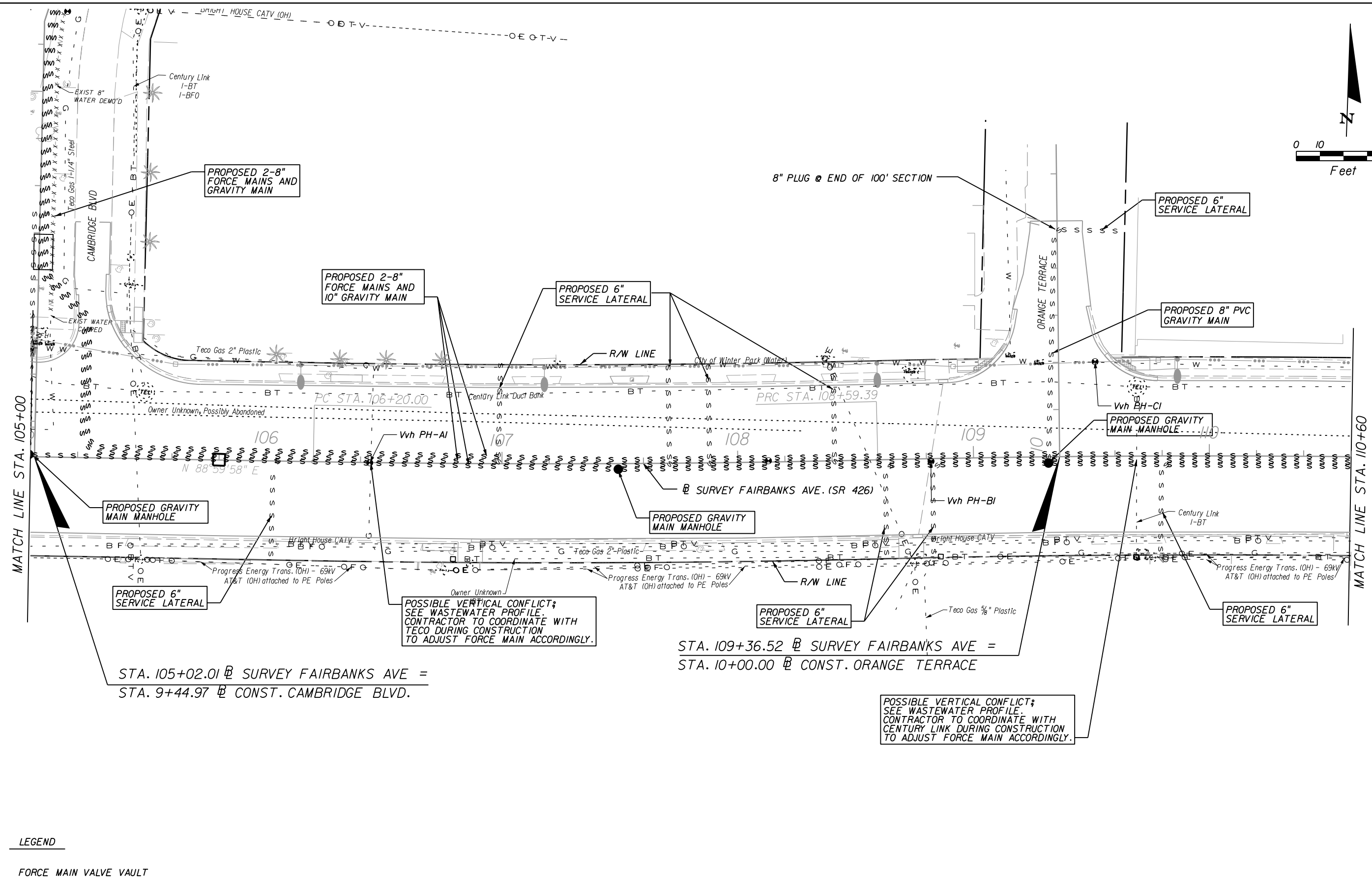
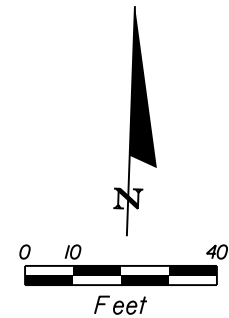
TELEPHONE NUMBER

(813) 342-0512
(407) 273-5084
(407) 532-8509
(407) 830-3650
(407) 559-3240
(407) 942-9243
(407) 942-9421
(407) 420-2678
(407) 215-6895
(407) 541-2083

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		44

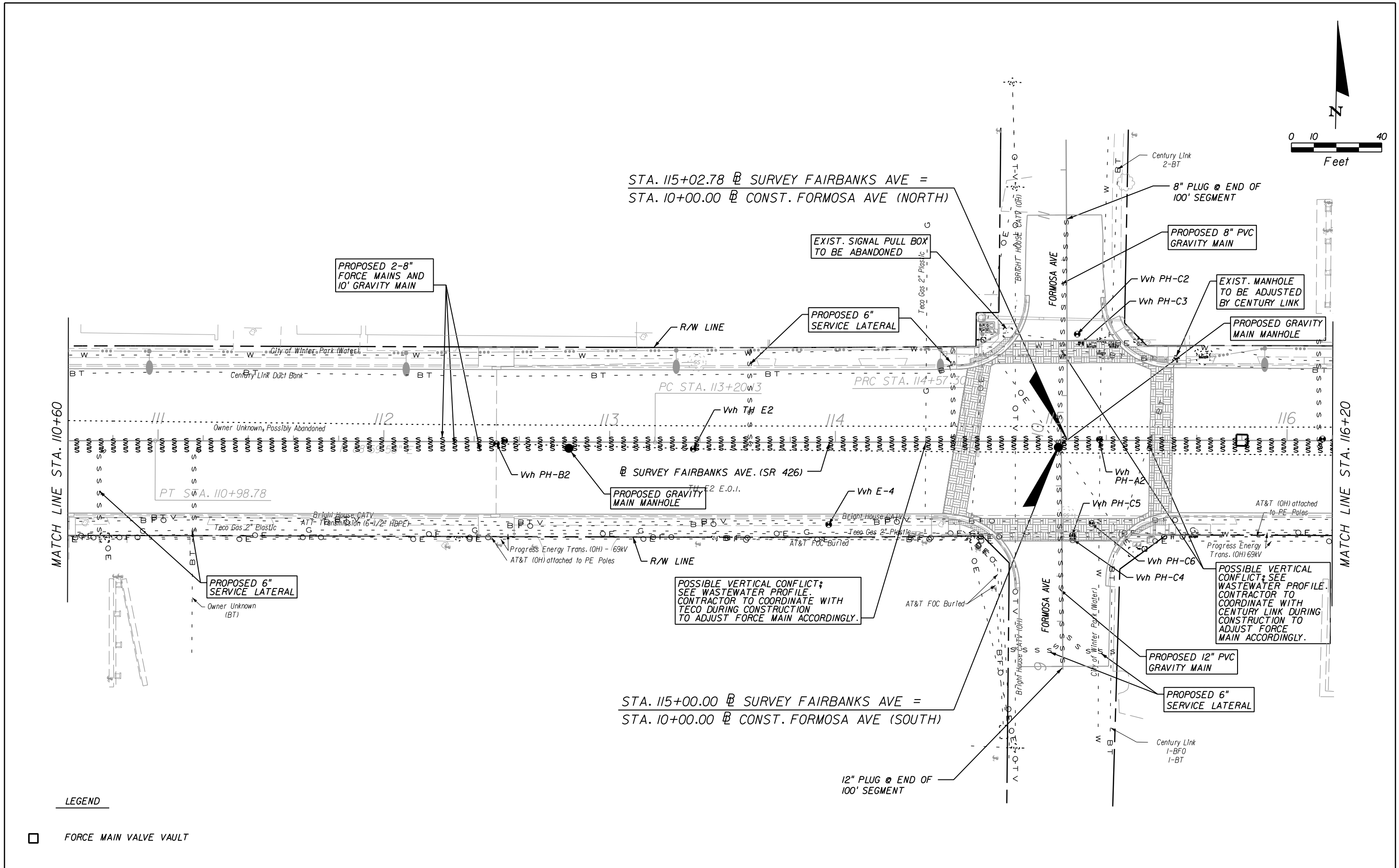


LEGEND

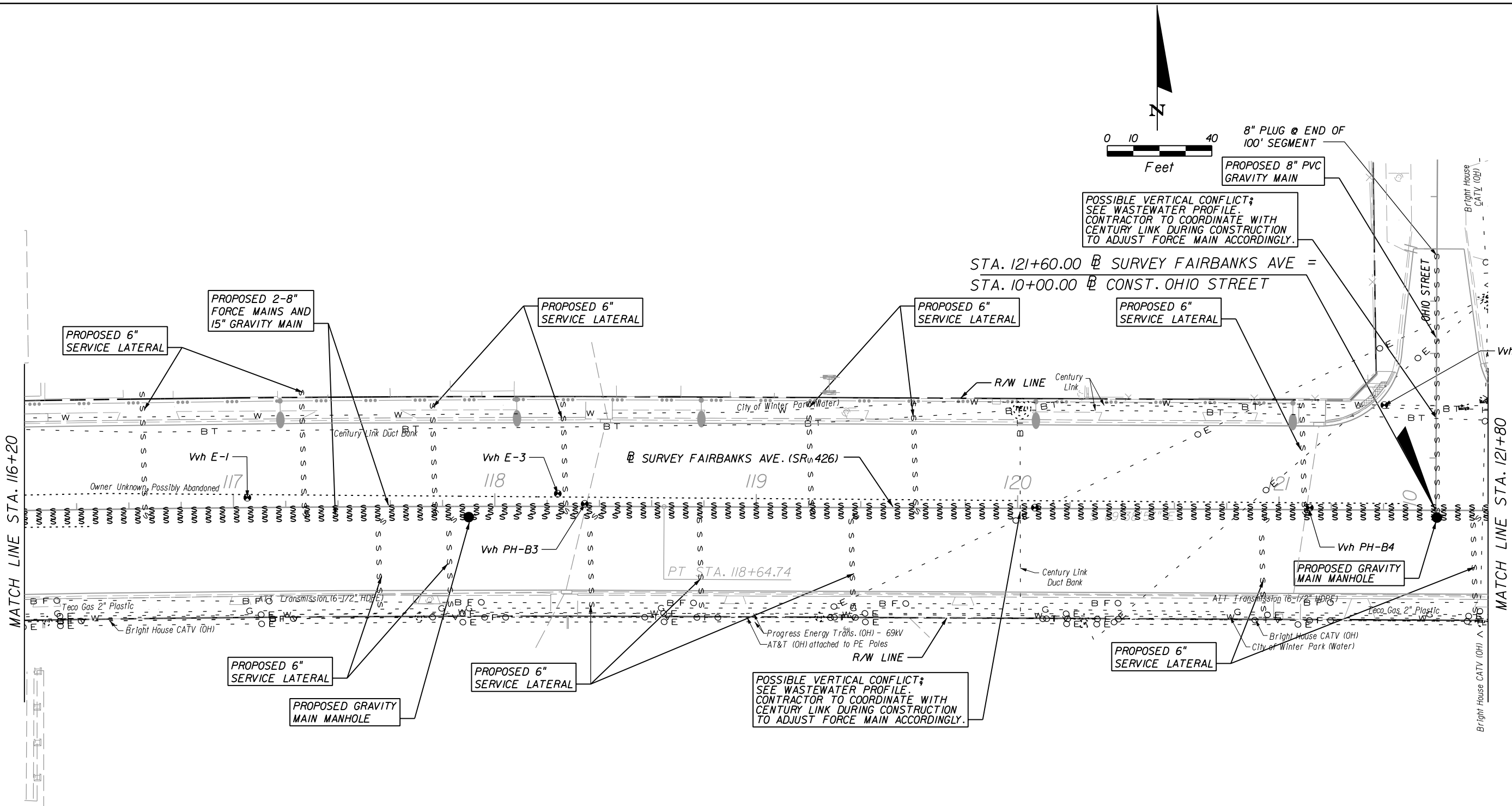
□ FORCE MAIN VALVE VAULT

REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			UTILITY ADJUSTMENTS	SHEET NO. 45
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		

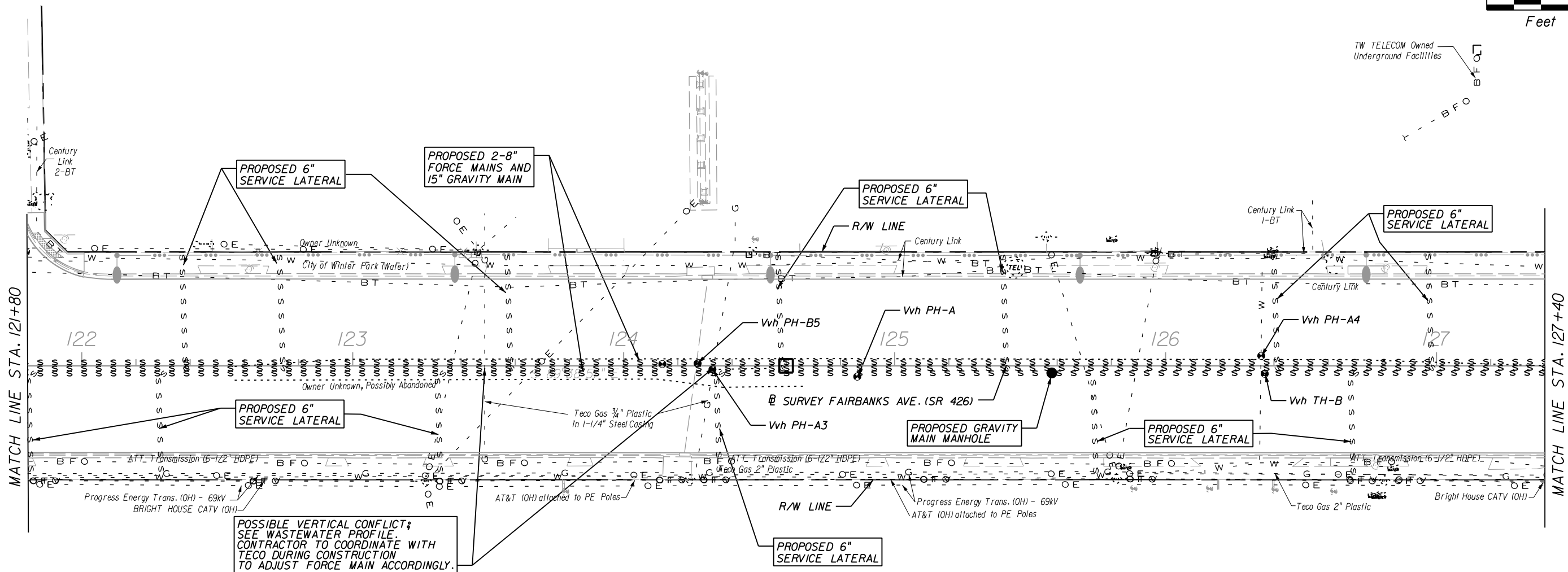
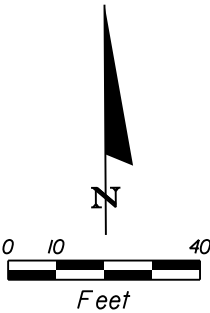
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REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			UTILITY ADJUSTMENTS	SHEET NO. 46
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		



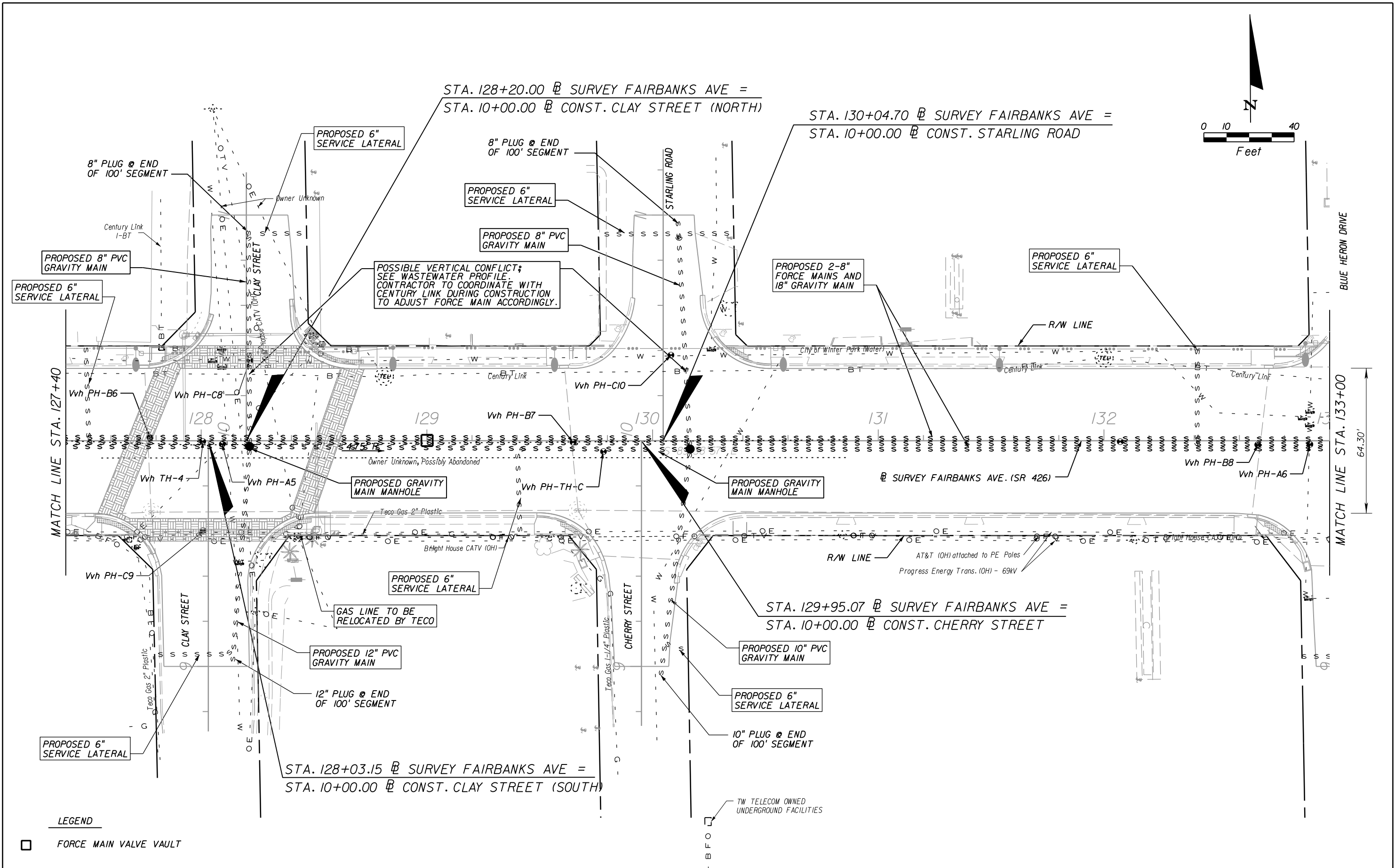
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			UTILITY ADJUSTMENTS	SHEET NO. 47
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						



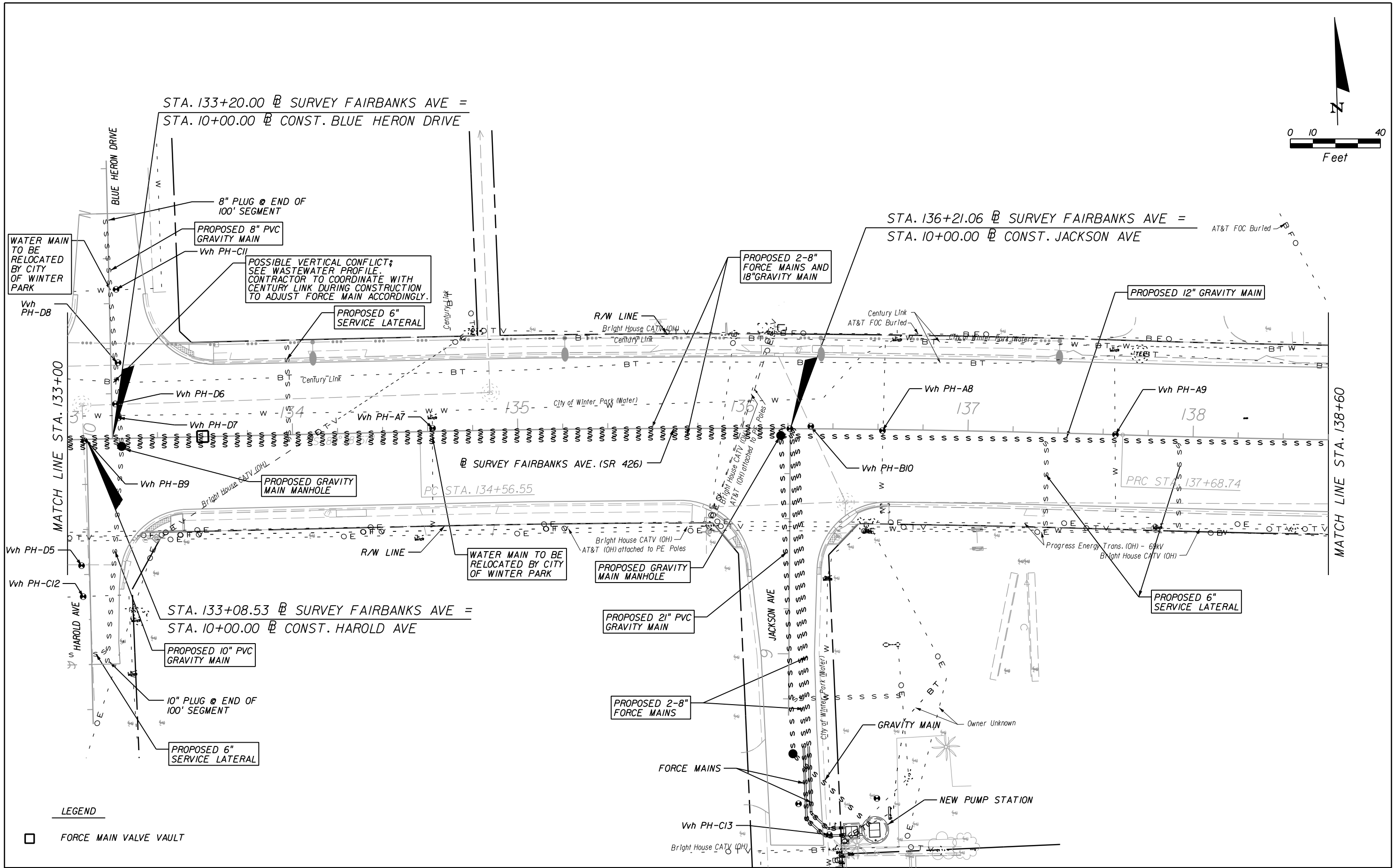
LEGEND

□ FORCE MAIN VALVE VAULT

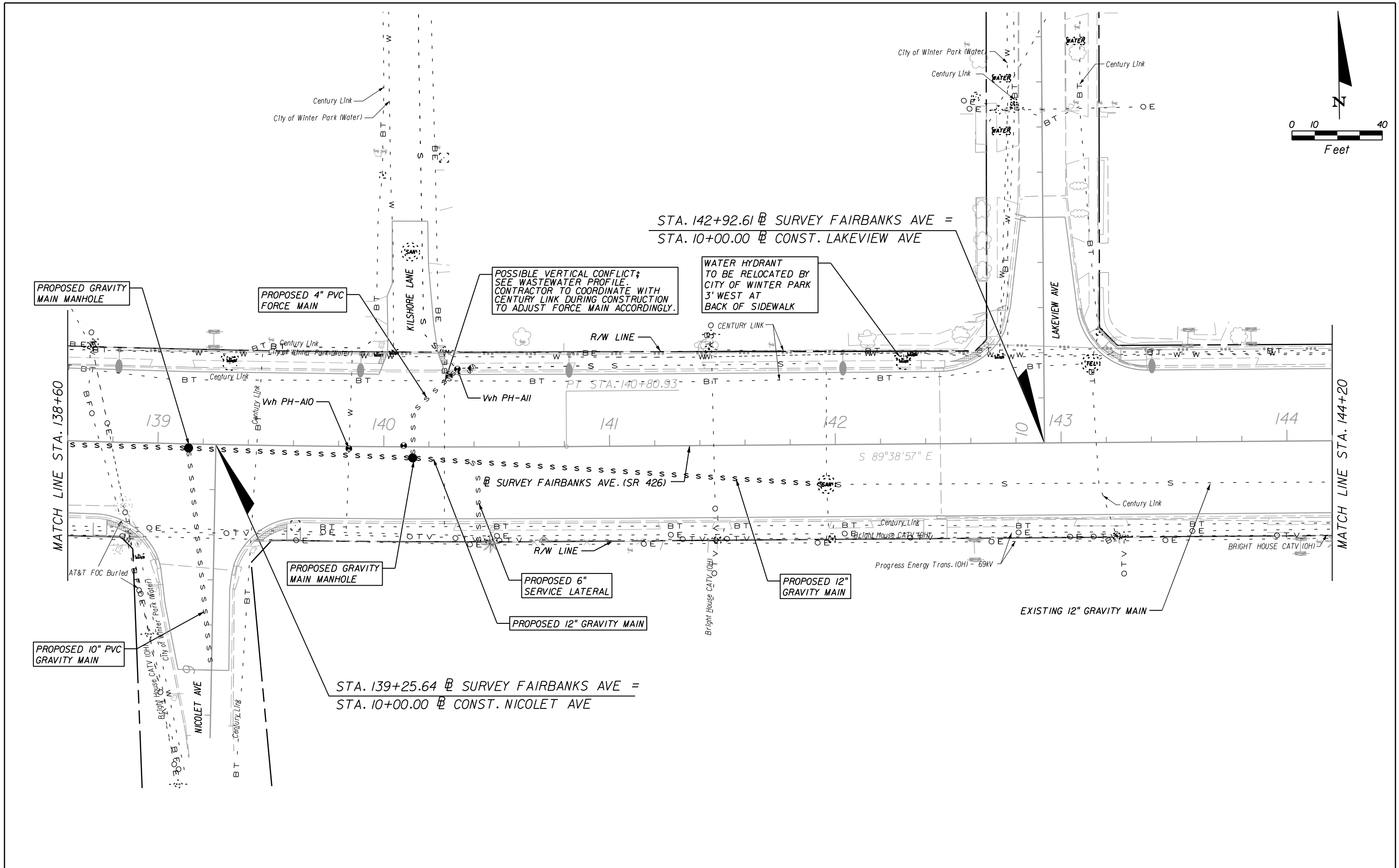
REVISIONS						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			UTILITY ADJUSTMENTS	SHEET NO. 48
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						
							ROAD NO.	COUNTY	CITY PROJECT NO.		
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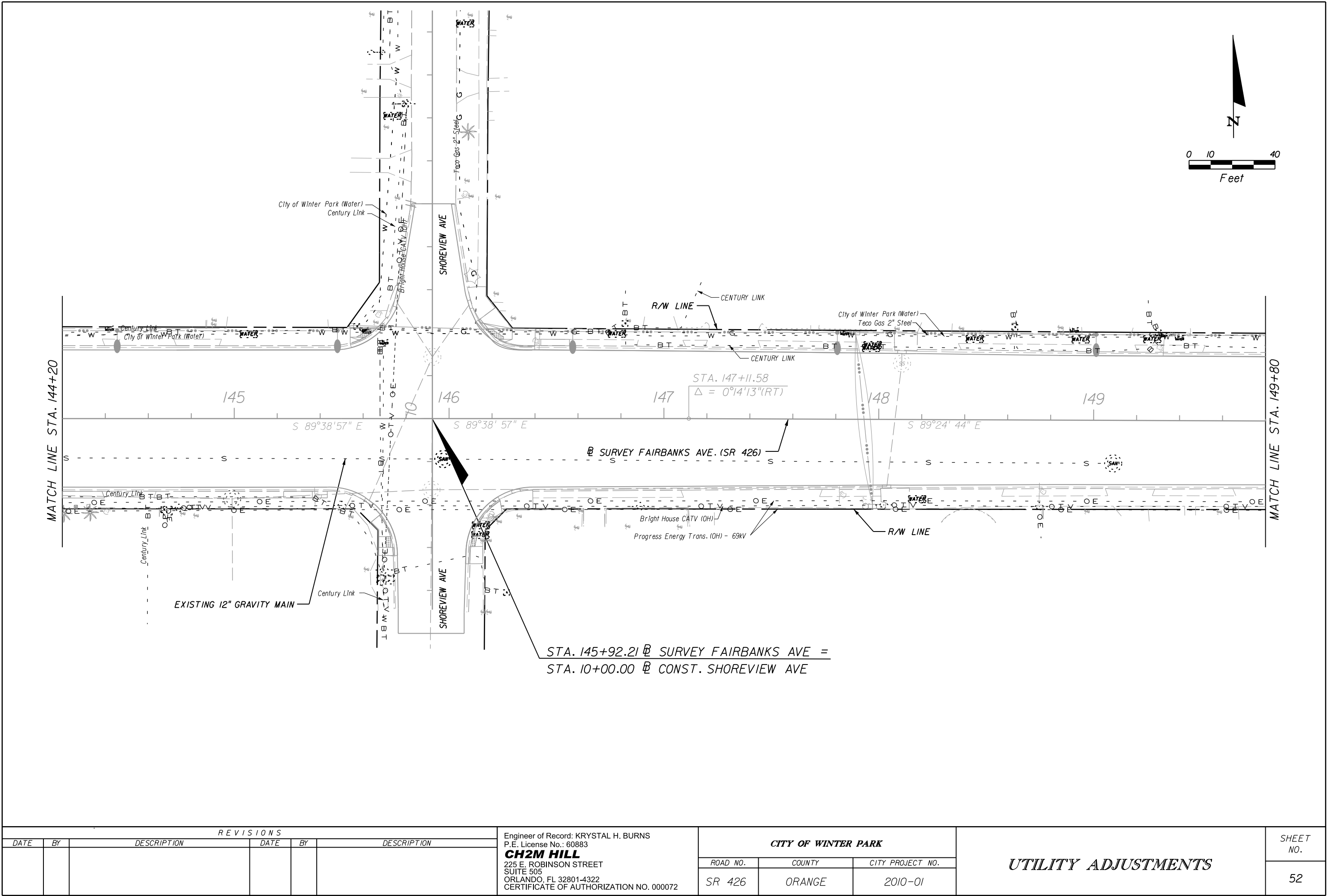
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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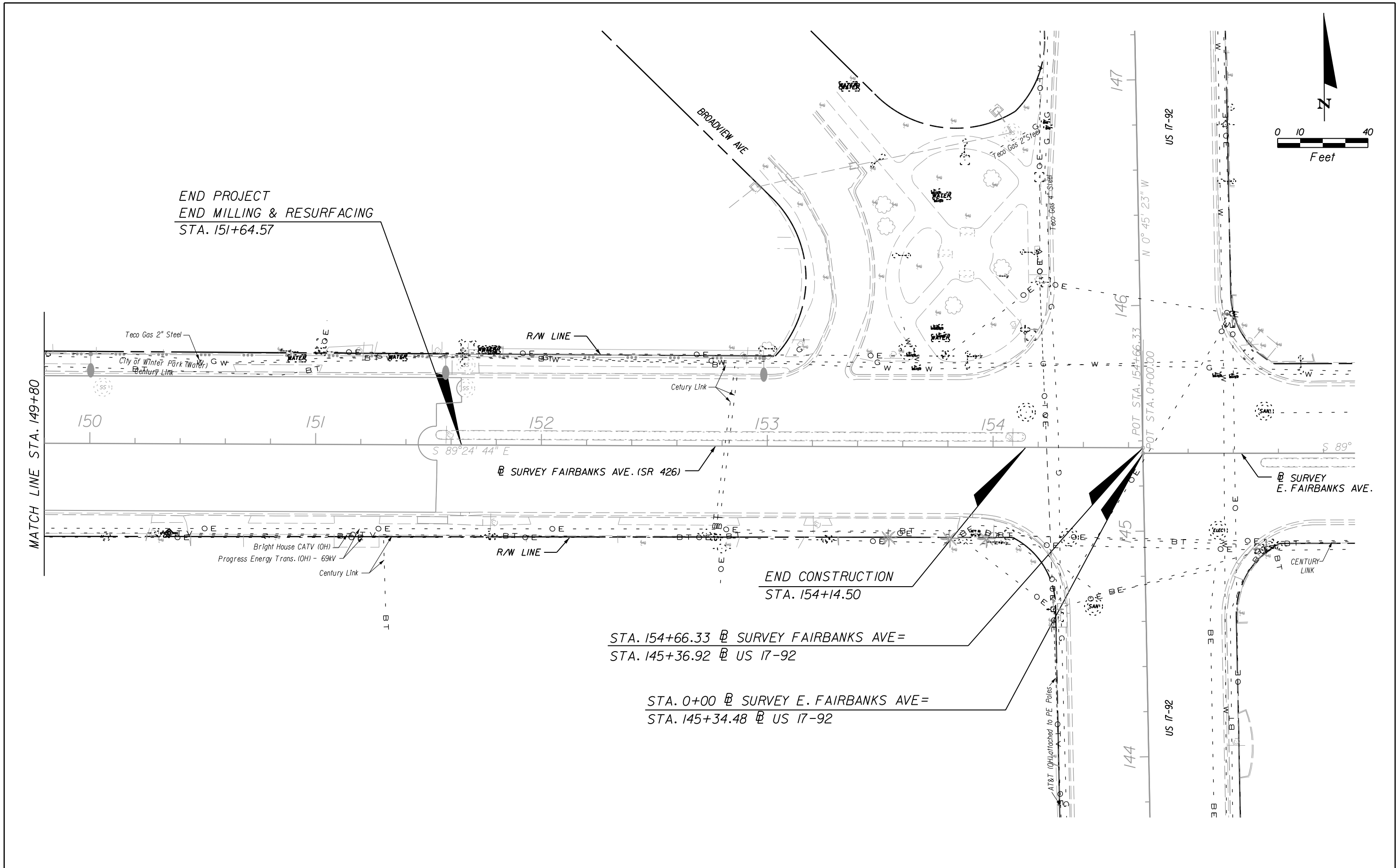
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DATE	BY	DESCRIPTION		DATE	BY		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		



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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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DATE	BY	DESCRIPTION		DATE	BY		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		



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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
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Vvh NO.	UTILITY DESCRIPTION OWNER, TYPE	SIZE	MATERIAL	BASELINE SURVEY FAIRBANKS AVE.			EXISTING GROUND ELEVATION	DEPTH TO TOP (FT)
				STATION	OFFSET	LT. / RT.		
PH-G1	CITY OF WINTER PARK, WATER MAIN	6 IN	METALLIC PIPE	104+94.30	11.46	LT	99.48	-2.75
PH-G2	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	104+96.32	46.61	LT	98.59	3.50
PH-A1	UNK, GAS MAIN	5 IN	METALLIC PIPE	106+43.92	0.09	RT	99.23	4.20
PH-C1	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	109+51.85	40.15	LT	97.43	3.75
TH E2	UNKNOWN	3/4 IN	CABLE	113+37.04	2.95	RT	97.93	3.65
E-4	UNKNOWN, Duct bank	2 IN	HDPE	113+96.89	36.49	RT	97.92	-5.60
PH-C5	PEOPLES GAS, GAS MAIN	2 1/2 IN	AVALON PIPE	115+04.70	42.06	RT	97.50	3.30
PH-C4	PROGRESS ENERGY, BURIED ELECTRIC	2 1/2 IN	PVC	115+04.86	43.89	RT	97.51	4.20
PH-C6	ATT, FIBER OPTIC CABLE	12 IN +	HDPE	115+13.36	36.67	RT	97.57	9.30
PH-A2	CITY OF WINTER PARK, WATER MAIN	8 1/2 IN	DUCTILE IRON PIPE	115+16.90	0.49	LT	98.28	4.35
PH-C2	PROGRESS ENERGY, BURIED ELECTRIC	1 1/2 IN	CONDUIT	115+07.30	47.18	LT	97.08	3.10
PH-C3	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	115+09.01	43.14	LT	97.15	3.55
E-1	Unknown, possibly abandoned	3/4 IN	CABLE	117+05.33	3.81	LT	97.78	3.65
E-3	EMBARQ, TELEPHONE	3/4 IN	BLK	118+24.07	4.86	LT	97.4	3.95
PH-C7	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	121+40.12	40.15	LT	95.65	2.55
PH-A3	PEOPLES GAS, GAS MAIN	2 IN	WRAP STEEL	124+32.77	1.33	RT	96.13	3.15
PH-A4	CITY OF WINTER PARK, WATER MAIN	6 IN	METALLIC PIPE	126+35.32	3.68	LT	95.36	11.75
TH-B	Teco Gas, unknown	2 IN	WRAP STEEL	126+37	2.94	RT	95.33	2.60
PH-C9	PEOPLES GAS, GAS MAIN	2 IN	WHITE PLASTIC	128+00.82	39.85	RT	93.75	3.25
PH-A5	CITY OF WINTER PARK, WATER MAIN	6 IN	METALLIC PIPE	128+09.35	1.50	RT	94.39	2.85
PH-C8	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	128+21.61	35.59	LT	93.45	3.70
PH-C10	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	130+08.16	37.94	LT	92.17	3.90
PH-A6	CITY OF WINTER PARK, WATER MAIN	6 IN	METALLIC PIPE	132+91.27	1.62	RT	91.87	4.10
PH-C11	CITY OF WINTER PARK, WATER MAIN	2 IN	METALLIC PIPE	133+23.11	66.30	LT	90.02	4.30
PH-D7	CITY OF WINTER PARK, WATER MAIN	12 IN	METALLIC PIPE	133+22.85	9.25	LT	91.47	4.40
PH-C12	CITY OF WINTER PARK, WATER MAIN	8 IN	METALLIC PIPE	133+05.38	69.79	LT	91.46	3.00
PH-A7	CITY OF WINTER PARK, WATER MAIN	6 IN	METALLIC PIPE	134+62.20	1.41	LT	91.17	5.75
PH-A8	CITY OF WINTER PARK, WATER MAIN	8 IN	METALLIC PIPE	136+62.00	0.53	RT	90.66	3.50
PH-A9	CITY OF WINTER PARK, WATER MAIN	6 IN	METALLIC PIPE	137+65.51	0.05	LT	90.79	3.85
PH-A10	CITY OF WINTER PARK, WATER MAIN	2 IN	METALLIC PIPE	139+84.55	0.94	RT	91.00	3.75
PH-A11	CITY OF WINTER PARK, FORCE MAIN	4 IN	METALLIC PIPE	140+32.57	34.50	LT	90.61	2.90
PH-B1	FDOT STORMDRAIN	24 IN	RCP	108+82	1.12	RT	98.57	4.20
PH-B2	FDOT STORMDRAIN	20 IN	RCP	112+50	0.89	RT	97.85	4.00
PH-B3	FDOT STORMDRAIN	24 IN	RCP	118+35	0.96	LT	97.45	3.90
PH-B4	FDOT STORMDRAIN	24 IN	RCP	121+10	0.76	LT	96.86	4.00
PH-B5	FDOT STORMDRAIN	24 IN	RCP	124+27	0.90	LT	96.15	3.95
PH-B6	FDOT STORMDRAIN	24 IN	RCP	127+76	1.34	LT	94.55	3.60
PH-B7	FDOT STORMDRAIN	20 IN	RCP	129+65	0.66	RT	93.56	3.90
PH-B8	FDOT STORMDRAIN	42 IN	RCP	132+67	1.77	RT	91.92	6.90
PH-B9	FDOT STORMDRAIN	36 IN	RCP	133+08	0.60	RT	91.76	7.75
PH-B10	FDOT STORMDRAIN	24 IN	RCP	136+30	1.07	LT	90.6	3.90
PH-D5	FDOT STORMDRAIN	18 IN	RCP	133+05	56.12	RT	91.41	4.00
PH-D6	FDOT STORMDRAIN	36 IN	RCP	133+22	15.38	LT	91.42	11.12
PH-D8	FDOT STORMDRAIN	36 IN	RCP	133+24	33.69	LT	90.79	5.80
TH-E2-E.0.1	Unknown, possibly abandoned	6 IN	METALLIC PIPE	Killarney Bapts	SEE ABOVE			2.65
PH-A	Teco Gas, unknown	2 IN	WRAP STEEL	124+86	4.00	RT	95.94	2.60
TH-C	Teco Gas, unknown	2 IN	WRAP STEEL	129+78	4.81	RT	93.43	3.00
PH-C13	CITY OF WINTER PARK, WATER MAIN	6 IN	PVC	136+30	180.51	RT	91.63	4.30

R E V I S I O N S						Engineer of Record: KRYSTAL H. BURNS P.E. License No.: 60883 CH2M HILL 225 E. ROBINSON STREET SUITE 505 ORLANDO, FL 32801-4322 CERTIFICATE OF AUTHORIZATION NO. 000072	CITY OF WINTER PARK			VERIFIED UTILITIES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	CITY PROJECT NO.		
							SR 426	ORANGE	2010-01		54