

Copyright 2010 MANATEE COUNTY GOVERNMENT | S:\P\W\Engineering\Shore\Highway Engineering\PROJECTS\Erie Bore Approved Alignment\Chris' Area 10-13-08\DWG\ERIE ROAD REALIGNMENT COVER.dwg, 3 GENERAL NOTES, 8/20/2012 2:20 PM Goggy Berkman, 1:1, Tabset (11 x 17)

RESTORATION

59. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
60. ALL DISTURBED GRASSED AREAS SHALL BE SODDED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER. ALL EXISTING SHRUBS, TREES, PLANTINGS AND OTHER VEGETATION, OUTSIDE OF RIGHT-OF-WAY DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUIVALENT MATERIAL BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
61. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS LATEST REVISION.
62. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT.
63. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

CONSTRUCTION

64. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFELS POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
65. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEEPED DAILY AS PART OF DAILY CLEAN UP.
66. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
67. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
68. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA, UNLESS OTHERWISE NOTED ON THE PLANS.
69. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM. THE CONTRACTOR SHALL SUBMIT DEWATERING PLAN TO DISTRICT FOR APPROVAL PRIOR TO CONSTRUCTION.
70. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES.
71. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS AND STATION OFFSETS ARE TO CENTER OF STRUCTURES OR FITTINGS. REFER TO DETAIL SHEET FOR ALL REFERENCE POINTS.
72. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
73. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD.
74. ALL CONCRETE AND REBAR PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
75. CONTRACTOR IS RESPONSIBLE FOR ALL UNSUITABLE MATERIAL REMOVAL WITHIN PROJECT LIMITS. EXCAVATION, EMBANKMENT, INCLUDING UTILIZATION, AND UNSUITABLE MATERIAL REMOVAL SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST VERSION.
76. WHERE EXCAVATION IS REQUIRED FOR CONSTRUCTION OF SIDEWALK, ALL STUMPS, ROOTS, ETC. SHALL BE REMOVED COMPLETELY FROM THE SIDEWALK AREA. ALL STUMPS WITHIN THE PROJECT LIMITS SHALL BE REMOVED COMPLETELY AND REPLACED WITH COMPACTED BACKFILL BEFORE THE AREA IS FILLED. TREE ROOTS IN AREA OF PROPOSED SIDEWALK, RAMP, OR DRIVEWAY REPLACEMENT SHALL BE GROUND OUT TO A DEPTH OF 6" BELOW BOTTOM OF NEW SIDEWALK OR DRIVEWAY. ALL PRUNED ROOT DEBRIS SHALL BE REMOVED FROM THE SUB-BASE MATERIAL PRIOR TO POURING CONCRETE, ASPHALT, OR APPLICATION OF OTHER SPECIFIED MATERIALS. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
77. ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A DEPTH OF 1-FOOT BELOW THE COMPLETED SURFACE. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
78. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID UNDER THE PAY ITEM CLEARING AND GRUBBING.
79. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES OR TO MINIMIZE TRENCH WIDTH. WHERE A SEPARATE PAY ITEM IS NOT PROVIDED, THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED.
80. THE CONTRACTOR SHALL DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION WILL BE LEFT OVERNIGHT. ALL WORK SITES WILL BE COMPLETELY RESTORED WITHIN SEVEN (7) CALENDAR DAYS OF THE CONCRETE POUR FOR SIDEWALK. THE INTENT OF THIS PROVISION IS TO "SAFE-UP" THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING, AND REMOVAL OF DEBRIS.
81. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
82. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED OR RELOCATED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
83. ALL EXISTING SWALES NOT DESIGNATED FOR RECONSTRUCTION SHALL BE REGRADED TO PROMOTE POSITIVE DRAINAGE AND MATCH PROPOSED CENTERLINE SWALE ELEVATION AND ALIGNMENT.
84. ALL STORM DRAINS AND STRUCTURES TO REMAIN SHALL BE CLEANED OF DEBRIS, DIRT, VEGETATION AND OTHER MATERIAL. STORM SEWER INLETS SHALL BE MODIFIED (RAISED/LOWERED) TO MATCH PROPOSED FINISHED GRADE.
85. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST. (EXISTING FENCES WITHIN R/W TAKING LIMITS SHALL BE RECONSTRUCTED TO THE NEW R/W LINE AND ARE TO BE REIMBURSED UNDER THE MISCELLANEOUS BID ITEM).
86. EXISTING TREES LOCATED WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AS NECESSARY; MINIMUM TO CONSTRUCT THE ROAD AND DRAINAGE FACILITIES AS WELL AS THE ROADSIDE CLEAR ZONE.

87. ALL EXISTING STORM DRAINAGE STRUCTURES SHALL BE REMOVED UNLESS OTHERWISE NOTED.
88. ALL EXISTING BUILDINGS SHALL REMAIN UNLESS OTHERWISE NOTED.
89. REMOVE AND REPLACE BASE AND SUB-BASE ACCORDING TO FDOT STANDARDS
- RAILROAD NOTES**
90. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INSTALL ROAD SURFACE (ASPHALT) UP TO THE INSTALLED CROSSING.
91. CROSSING MUST BE INSTALLED PRIOR TO ASPHALT INSTALLATION.

92. CONTRACTOR SHALL AT A MINIMUM GRADE APPROACHES TO THE PROPOSED CROSSING TO ALLOW MACHINERY ACCESS TO THE PROPOSED CROSSING LOCATION.
93. FINAL GRADING AND BASE WORK SHALL BE COMPLETED AFTER INSTALLATION OF THE CROSSING SYSTEM.
94. CONTRACTOR IS RESPONSIBLE FOR ALL STRIPING, SIGNAGE, AND ASPHALT MARKING TO COMPLY TO CURRENT FDOT STANDARDS.
95. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF TEMPORARY AND PERMANENT BARRICADES NECESSARY FOR THE EXISTING CROSSING.
96. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL SIGNAGE AND ROADWAY MARKINGS ASSOCIATED WITH THE REMOVAL OF THE EXISTING CROSSING.

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ERIE ROAD SUPER ELEVATION DATA

CURVE	STATION		LEFT SHLD	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
1	101+12.79'	END NORMAL CROWN	-3.00%	-2.00%	-2.00%	-3.00%
1	101+54.29'	LEVEL CROWN	-3.00%	0.00%	-2.00%	-3.00%
1	101+95.79'	REVERSE CROWN	-3.00%	2.00%	-2.00%	-3.00%
1	102+37.29	BEGIN FULL SUPER	-3.00%	4.00%	-4.00%	-3.00%
1	108+34.82'	END FULL SUPER	-3.00%	4.00%	-4.00%	-3.00%
1	108+76.32'	REVERSE CROWN	-3.00%	2.00%	-2.00%	-3.00%
1	109+17.82'	LEVEL CROWN	-3.00%	0.00%	-2.00%	-3.00%
1	109+59.32'	BEGIN NORMAL CROWN	-3.00%	-2.00%	-2.00%	-3.00%
1	110+21.57'	BEGIN NORMAL SHOULDER	-3.00%	-2.00%	-2.00%	-3.00%
2	110+82.09'	END NORMAL SHOULDER	-3.00%	-2.00%	-2.00%	-3.00%
2	111+44.39'	END NORMAL CROWN	-3.00%	-2.00%	-2.00%	-3.00%
2	111+85.93'	LEVEL CROWN		-2.00%	0.00%	-3.00%
2	112+27.47'	REVERSE CROWN		-2.00%	2.00%	-3.00%
2	112+66.93'	BEGIN FULL SUPER	-3.00%	-3.90%	3.90%	-3.00%
2	114+46.32'	END FULL SUPER	-3.00%	-3.90%	3.90%	-3.00%
2	114+85.78'	REVERSE CROWN	-3.00%	-2.00%	2.00%	-3.00%
2	115+27.32'	LEVEL CROWN	-3.00%	-2.00%	0.00%	-3.00%
3	116+12.88'	LEVEL CROWN	-3.00%	0.00%	-2.00%	-3.00%
3	116+54.02'	REVERSE CROWN	-3.00%	2.00%	-2.00%	-3.00%
3	116+84.88'	BEGIN FULL SUPER	-3.00%	3.50%	-3.50%	-3.00%
3	119+69.20'	END FULL SUPER	-3.00%	3.50%	-3.50%	-3.00%
3	120+00.06'	REVERSE CROWN	-3.00%	2.00%	-2.00%	-3.00%
3	120+41.20'	LEVEL CROWN	-3.00%	0.00%	-2.00%	-3.00%
3	120+82.34'	BEGIN NORMAL CROWN	-3.00%	-2.00%	-2.00%	-3.00%

EXISTING

- BM BENCH MARK
CM CONCRETE MONUMENT
IP IRON PIPE
IR IRON ROD
HUB HUB
N&D NAIL & DISK
ELEVATION ELEVATION
PARCEL ID NO. PARCEL ID NO.
LOT NO. LOT NO.
GW GUY WIRE
PP POWER POLE
LP LIGHT POLE
MB MAIL BOX
SN SIGN
REF REFLECTOR
SPRK SPRINKLER
GM GAS MARKER
BFP BACKFLOW PREVENTER
BO BLOW OFF VALVE
FH FIRE HYDRANT
WV WATER VALVE
ARV AIR RELEASE VALVE
WM WATER METER
SMH SANITARY SEWER MANHOLE
CO SANITARY SEWER CLEAN OUT
SB SOIL BORING LOCATION
TEL TELEPHONE SERVICE BOX
GI GRATE INLET
MITERED END SECTION MITERED END SECTION

LEGEND

- BUSH
TREE
OAK TREE
PALM TREE
PINE TREE
EDGE OF VEGETATION
CHAIN LINK FENCE
WOOD FENCE
BARBED WIRE FENCE
FORCE MAIN
POTABLE WATER
RECLAIMED WATER
SANITARY SEWER
STORM DRAIN
GAS LINE
OVERHEAD TV
UNDERGROUND TV
OVERHEAD ELECTRIC
UNDERGROUND ELECTRIC
OVERHEAD VERIZON
UNDERGROUND VERIZON
VERIZON
UNDERGROUND UTILITY
OVERHEAD UTILITY
RAIL ROAD TRACKS
EDGE OF CONCRETE
EDGE OF ROAD
TOE OF SLOPE
TOP OF BANK
PROPERTY LINE
RIGHT OF WAY

ABBREVIATIONS

- R/W RIGHT OF WAY
CONC CONCRETE
ASPH ASPHALT
DRWY DRIVEWAY
SWK SIDEWALK
EP EDGE OF PAVEMENT
BOC BACK OF CURB

PROPOSED

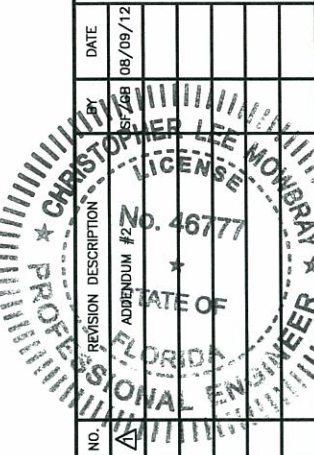
- MAIN
SERVICE LINE
PROPOSED EASEMENT
FIRE HYDRANT
VALVE
SANITARY SEWER MANHOLE
BLOW OFF ASSEMBLY
REDUCER
TEE
HORIZONTAL BEND
VERTICAL BEND
PLUG
MASTER METER ASSEMBLY
SERVICE LINE & METER
DOUBLE SERVICE



ERIE ROAD @ 69TH ST. EAST-

INTERSECTION

GENERAL NOTES ROADWAY



PROJECT #	380-6048460
SURVEY #	1029, 1235
SEC./TWN./RGE	26&35/33S/18E
SCALE	
SURVEYED	K&S 12/29/10
DESIGNED	CM 02/05/10
DRAWN	04/23/10
CHECKED	JP,SF 03/20/12

CHRISTOPHER LEE MOWBRAY, P.E.

FLORIDA P.E. # 46777

Signature & Date

Copyright 2010 MANATEE COUNTY GOVERNMENT S:\PMD_Engineering_Shore\Highway_Engineering\PROJECTS\Erie Bacc Approved Alignment\Chris Area 10-15-09\DWG\ERIE ROAD REALIGNMENT COVER.dwg, 5 DTY SHEET, 8/20/2012 2:30 PM Gregory Bertram, T1, Tabled (11 x 17")

LINE NO.	ITEM NO.	DESCRIPTION	EST. QTY	U/M
1.	0101-1	Mobilization	1	LS
2.	0102-1	Maintenance of Traffic	1	LS
		SUBTOTAL MOBILIZATION AND MOT		
3.	0102-74-MC	Baricade, Permanent, Type III	3	EA
4.	0104-10-3	Sediment Barrier	8,599	LF
5.	0104-11	Floating Turbidity Barrier	50	LF
6.	0104-15	Soil Tracking Prevention Device	1	EA
7.	0110-1-1	Clearing & Grubbing, Including Asphalt Removal	11	AC
8.	0110-4	Removal of Existing Concrete Pavement	100	SY
9.	0110-7-1	Mailbox (F & I) Single	4	EA
10.	0110-MC	Mailbox, Relocate	1	EA
11.	0120-1-MC	Special Excavation Includes Base Removal of Existing Road, Scarify Existing Sub-base, Recountour and Hydroseed all Disturbed Areas, Include Fill	1	LS
12.	0120-1	Regular Excavation	13,034	CY
13.	0120-4	Subsoil Excavation	100	CY
14.	0120-6	Embankment (Regular)	3,327	CY
15.	0160-4	12" Stabilized Sub-base (Type B)	14,052	SY
* 16.	0285-709	Optional Base Group 9	13,264	SY
17.	0334-MC	2" Type S-I Asphalt Concrete	1,409	TN
18.	0337-MC	1" Type S-III Asphalt Concrete	702	TN
19.	0350-2-1	Cement Concrete Pavement Reinforced, 6"	725	SY
20.	0400-2-12	Concrete Class II, Trench Slab	10	CY
21.	0425-2-41	Manhole (P-7) (<10')	1	EA
21A.	0425-2-71	Manhole (J-7) (<10')	1	EA
22.	0425-11	Drainage Structure - Modify Existing	1	EA
23.	0425-1-529	Inlets (Ditch Bottom Type C) (Modify)	2	EA
24.	0425-1-549	Inlets (Ditch Bottom Type D) (Modify)	1	EA
25.	0425-1-559	Inlets (Ditch Bottom Type E) (Modify)	2	EA
26.	0430-174-112	Pipe Culvert A2000 12" SD	112	LF
27.	0430-175-118	Pipe Culvert A2000 18" CD	285	LF
28.	0430-175-124	Pipe Culvert A2000 24" CD	664	LF
29.	0430-175-215	Pipe Culvert 12" x 18" CD RCP	542	LF
30.	0430-982-125	MES (Round) (18") (CD)	2	EA
31.	0430-982-623	MES (Elliptical) (12"x18") (CD)	14	EA
32.	0430-984-121	MES (Round) (12") (SD)	6	EA
33.	0430-984-129	MES (Round) (24") (SD)	1	EA
34.	0522-1	Sidewalk Concrete 4" Thick	310	SY
35.	0530-1	Rip-Rap, Sand-Cement	11	CY
36.	0530-MC	1-2" ϕ River Stone w/ Mirafi 140N Filter Fabric	10	CY
37.	0550-MC	Fence Removal and Relocation	4	LS
38.	0556-1-6	Jack and Bore, Casing Diameter 36"	110	LF
39.	0570-1-2	Sodding (Performance Turf)	12,000	SY
		SUBTOTAL ROADWAY		
40.	MC-U-1	Water Service	1	EA
41.	MC-U-2	Reuse Service	1	EA
42.	MC-U-3	Forcemain Service	1	EA
43.	MC-U-4	Hydrant Assembly Including 24" x 6" Tapping Sleeve	1	EA
43a	MC-U-5	Adjust Valve	1	EA
		SUBTOTAL UTILITY		
44.	0700-20-11	Single Post Sign, F&I, Less than 12 SF	17	EA
45.	0700-20-40	Single Post Sign, Relocate	1	EA
46.	0700-20-60	Single Post Sign, Remove	19	EA
47.	0700-MC	Existing Utility Sign, relocate	4	AS
48.	0706-3	Retro-Reflective Pavement Markers, All Colors	284	EA
49.	0711-11-111	Thermoplastic, Standard, White, Solid, 6"	7,634.00	LF
50.	0711-11-123	Thermoplastic, Standard, White, Solid, 12"(Crosswalk)	180	LF
51.	0711-11-125	Thermoplastic, Standard, White, Solid, 24"(Stop Bar)	144	LF
52.	0711-11-160	Thermoplastic, Standard, White, Message (R/R Crossing)	3	EA
53.	0711-11-170	Thermoplastic, Standard, White, Directional Arrow	14	EA
54.	0711-11-211	Thermoplastic, Standard, Yellow, Solid, 6"	7,657.00	LF
55.	0711-11-224	Thermoplastic, Standard, Yellow, Solid, 18"	308	LF
		SUBTOTAL SIGNING AND STRIPING		

* SP. PROVISION CLARIFICATION OF LINE ITEMS
LINE # 16
FOR CRUSHED CONCRETE UNDER GRADED
AGGREGATE BASE OPTION, FDOT 2007 SPEC/
REV '08 SHALL BE USED.
TYPE B 12.5 EXCLUDED



ERIE ROAD @ 69TH ST. EAST-
INTERSECTION
SUMMARY OF PAY ITEMS/QUANTITY SHEET

NO.	REVISION DESCRIPTION	DATE	BY
1	ADDENDUM #2	08/09/12	SF/GB
PROJECT #	380-6048460		
SURVEY #	1029, 1235		
SEC./TWN./RGE	26&35/33S/18E		
SCALE			
SURVEYED	K&S	12/29/10	
DESIGNED	CM	02/05/10	
DRAWN		04/23/10	
CHECKED	JP,SF,PB	03/20/12	

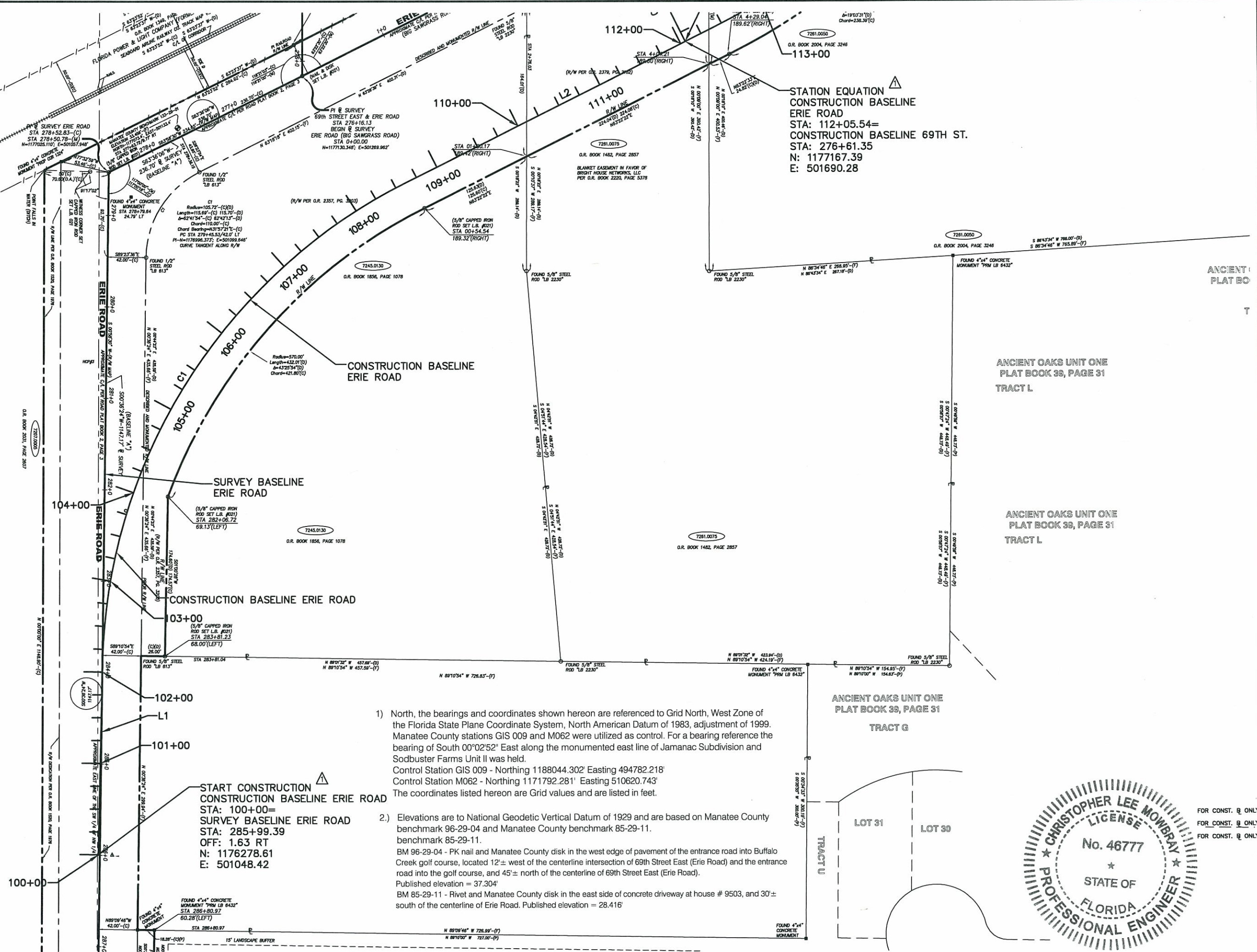
CHRISTOPHER LEE MOWBRAY, P.E.
FLORIDA P.E. # 46777
Signature & Date
8/20/12
SHEET 5 OF 75

NO.	REVISION DESCRIPTION	BY	DATE
A	APPENDUM #2	SF/SB	08/09/12
PROJECT #		380-6048460	
		1029, 1235	
SEC./TWN./RGE		26&35/33S/1BE	
SCALE		1"=100'	
SURVEY	GFY	12/22/11	
DESIGNED	CM	02/05/10	
DRAWN		04/23/10	
CHECKED	JP,SF	03/20/12	

CHRISTOPHER LEE MOWBRAY, P.E.
FLORIDA P.E. # 46777
FOR CONST. B ONLY

 8/20/12
 Signature & Date

SHEET 7 OF 75



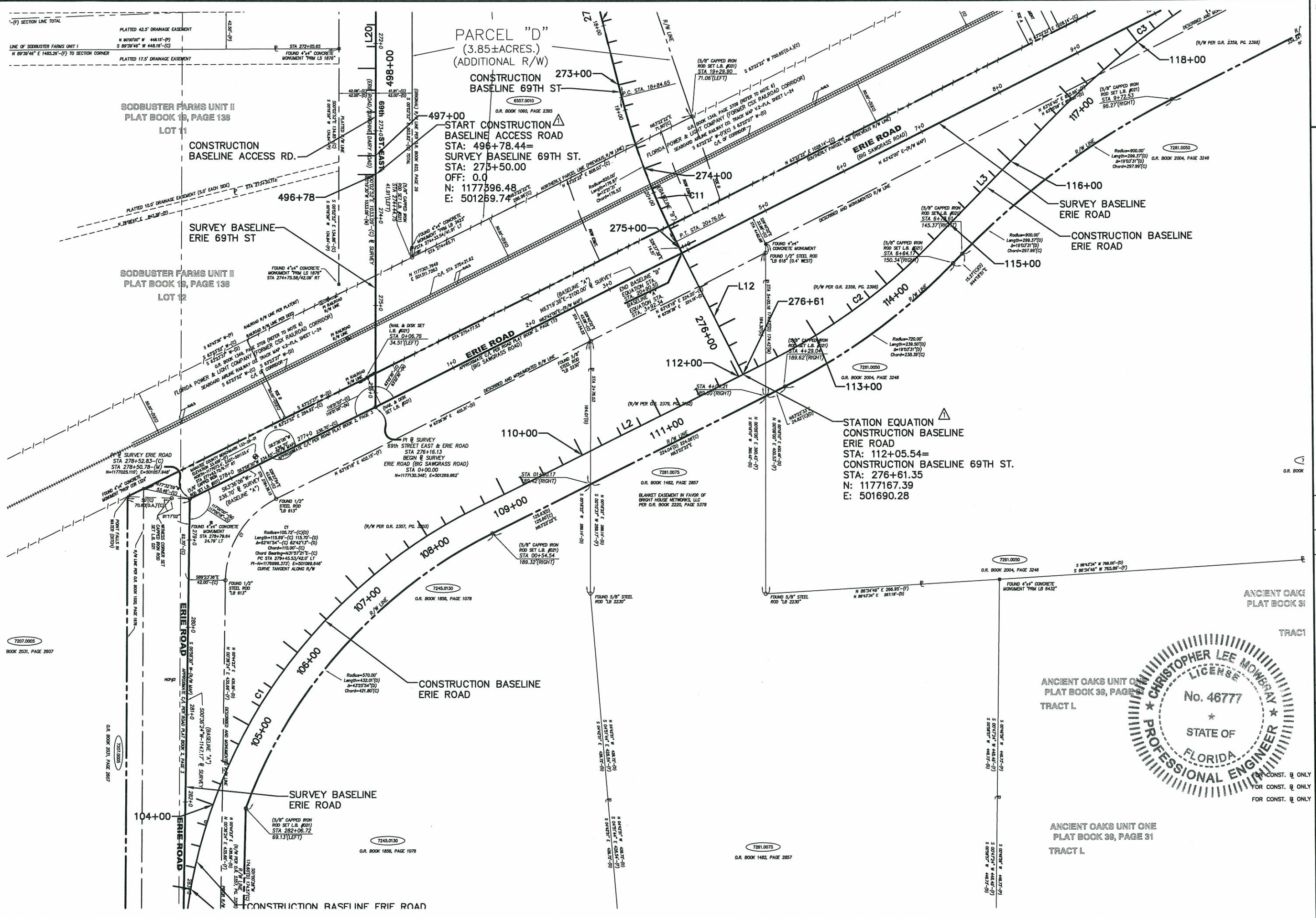
SURVEY CONTROL SHEET

PROJECT #	380-6048460	
SURVEY #	1029, 1235	
SEC./TWN./RGE	26&35/33S/18E	
SCALE	1"=30'	
SURVEY	GFY	12/22/11
DESIGNED	CM	02/05/10
DRAWN		04/23/10
CHECKED	JP,SF	03/20/12

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FLORIDA P.E. # 45777
FOR CONST. B. ONLY

Signature & Date

SHEET 8 OF 75

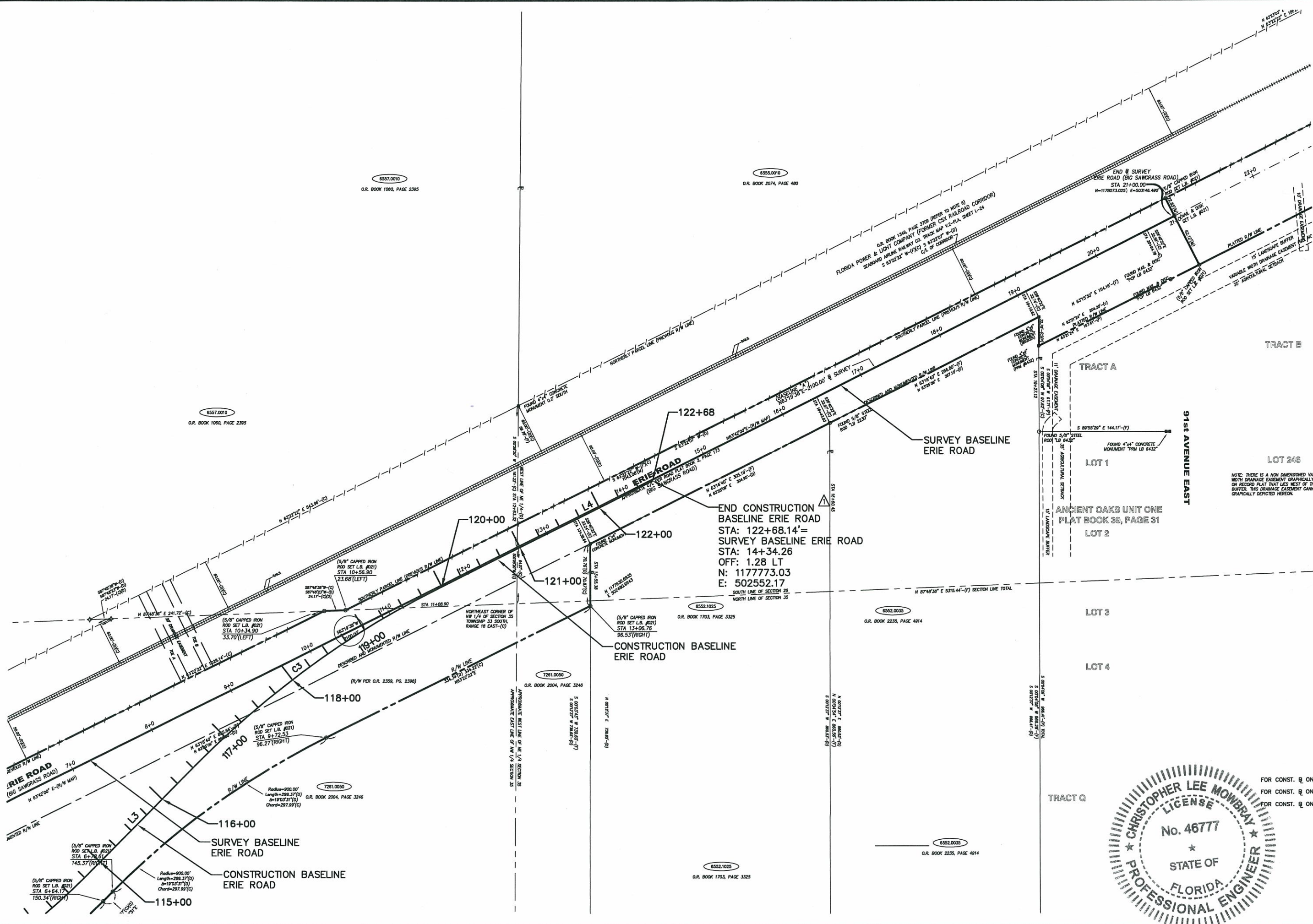


NO.	REVISION DESCRIPTION	BY	DATE
Δ	ADDENDUM #2	SF/GB	08/09/12
PROJECT #		380-6048460	
SURVEY #		1029, 1235	
SEC./TWN./RGE		26&35/33S/18E	
SCALE		1"=30'	
SURVEY	GFY	12/22/1	
DESIGNED	CM	02/05/1	
DRAWN		04/23/1	
CHECKED	JP,SF	03/20/1	

Signature & Date



COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT. S:\PMD_Engineering\Share\Highway_Engineering\PROJECTS\Area 10-15-09\DWG\ERIE ROAD REALIGNMENT SURV CONTROL.dwg, SCOUT 10, 8/20/2012 2:26 PM Gregory Berikman, 1:1, Tabled (11 x 17)



**ERIE ROAD @ 69TH ST. EAST-
INTERSECTION
SURVEY CONTROL SHEET**

REVISION	DESCRIPTION	BY	DATE
	ADDENDUM #2	SF	08/09/12
NO.			

PROJECT #	380-6048460	
SURVEY #	1029, 1235	
SEC./TWN./RGE	26&35/33S/18E	
SCALE	1"=100'	
SURVEY	GFY	12/22/11
DESIGNED	CM	02/05/10
DRAWN		04/23/10
CHECKED	JP,SF	03/20/12

CHRISTOPHER LEE MOWBRAY, P.E.	
FLORIDA P.E. # 46777	
FOR CONST. & ONLY	
	
8/20/12	
Signature & Date	

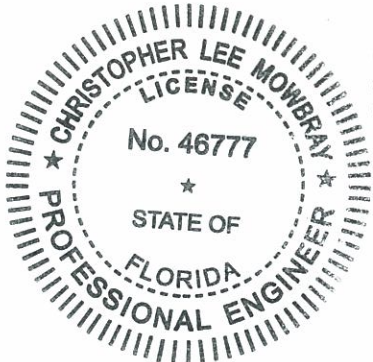
SHEET 10 OF 75

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT | S:\PWD_Engineering_Shore\Highway_Engineering\PROJECTS\Line Base Approved Alignment\Chris' Area 10-15-09\DWG\LINE ROAD REALIGNMENT SURV CONT.dwg,SC04T 11, 8/20/2012 2:27 PM Gregory Berkhmen, 1:1, Tab04 (11 x 17)

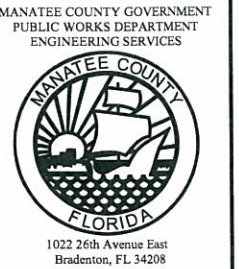
P_Erie Road △											
Number	Length	Radius	Line/Chord Direction	Start North	Start East	Start Northing	Start Easting	Start Station	End Station	Start Station	End Station
L1	209.90		N1° 04' 54.02"E	1176278.61	501048.42			100+00.00	102+09.90		
C1	652.31	600.00	N32° 13' 37.86"E			1176488.47	501052.38			102+09.90	108+62.21
L2	377.99		N63° 22' 21.71"E	1177013.51	501383.36			108+62.21	112+40.20		
C2	232.85	700.00	N53° 50' 36.14"E			1177182.92	501721.26			112+40.20	114+73.05
L3	188.07		N44° 18' 50.56"E	1177319.67	501908.40			114+73.05	116+61.12		
C3	331.82	1000.00	N53° 49' 11.66"E			1177454.23	502039.78			116+61.12	119+92.93
L4	275.21		N63° 15' 45.39"E	1177649.22	502306.39			119+92.93	122+68.14		

P_69th Ave △											
Number	Length	Radius	Line/Chord Direction	Start North	Start East	Start Northing	Start Easting	Start Station	End Station	Start Station	End Station
L10	228.86		N89° 44' 52.29"E	1178161.22	500886.07			262+00.00	264+28.86		
C10	448.59	337.00	S52° 24' 08.98"E			1178162.23	501114.92			264+28.86	268+77.45
L11	436.94		S14° 16' 07.01"E	1177908.30	501444.68			268+77.45	273+14.39		
C11	176.87	820.00	S20° 26' 52.65"E			1177484.84	501552.38			273+14.39	274+91.26
L12	170.09		S26° 37' 38.29"E	1177319.43	501614.05			274+91.26	276+61.35		

Access Road △											
Number	Length	Radius	Line/Chord Direction	Start North	Start East	Start Northing	Start Easting	Start Station	End Station	Start Station	End Station
L20	321.56		N0° 00' 22.21"E	1177396.48	501269.74			496+78.44	500+00.00		
C20	91.46	71.01	N38° 34' 30.60"E			1177718.04	501269.77			500+00.00	500+91.46
L21	148.45		N75° 43' 52.99"E	1177784.70	501322.94			500+91.46	502+39.91		



FOR CONST. & ONLY
FOR CONST. & ONLY
FOR CONST. & ONLY



ERIE ROAD @ 69TH ST. EAST-
INTERSECTION
SURVEY CONTROL SHEET

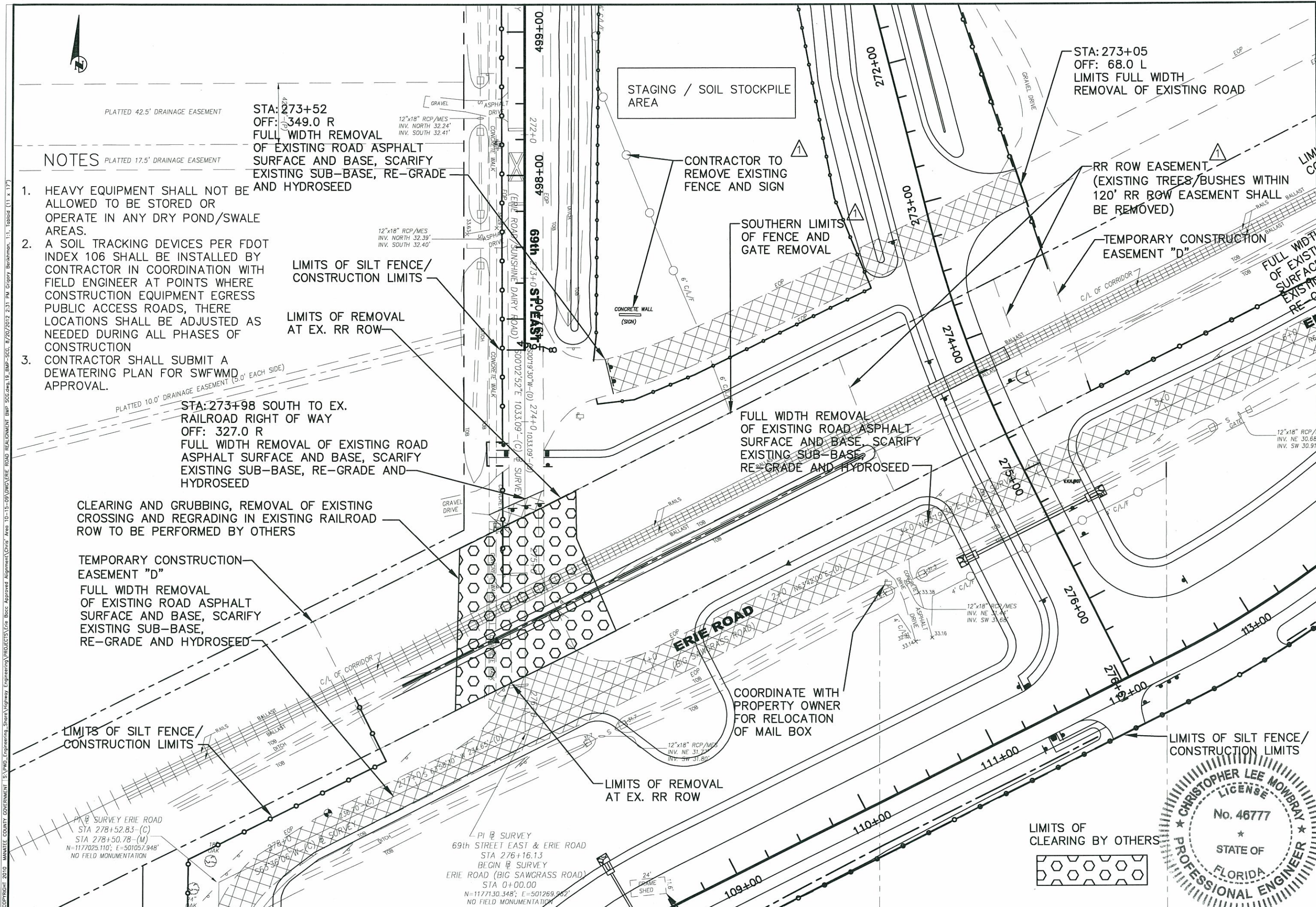
DATE	BY	REVISION DESCRIPTION	NO.	PROJECT #	380-6048460
08/09/12	SF/GB	ADDENDUM #2	△	SURVEY #	1029, 1235
				SEC./TWN./RGE	26&35/33S/18E
				SCALE	
				SURVEY	GFY 12/22/11
				DESIGNED	CM 02/05/10
				DRAWN	04/23/10
				CHECKED	JP,SF 03/20/12
				CHRISTOPHER LEE MOWBRAY, P.E.	
				FLORIDA P.E. # 46777	
				FOR CONST. & ONLY	
				Signature & Date	

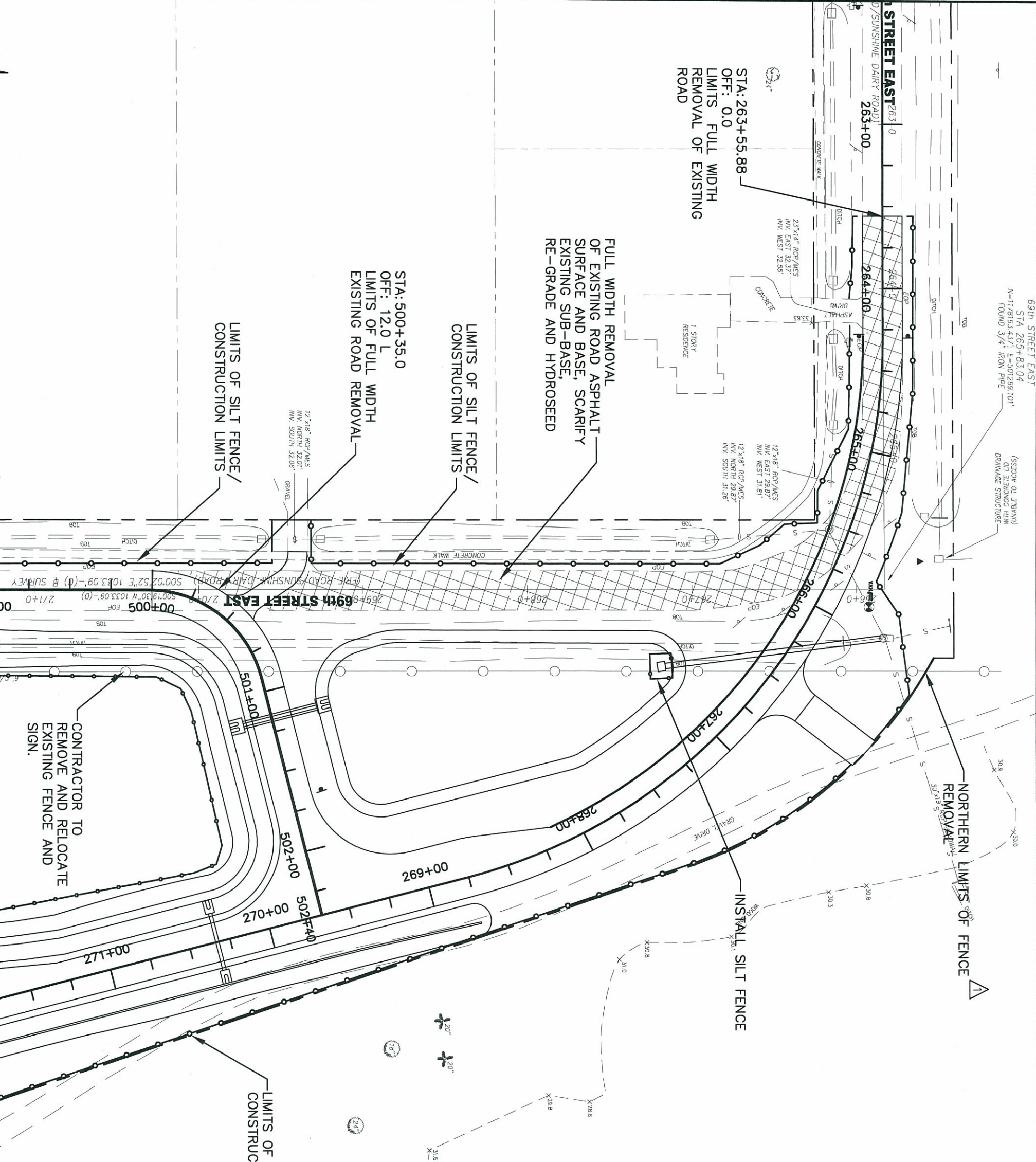


NO.	REVISION DESCRIPTION	BY	DATE
A	ADDENDUM #2	SF/OB	08/09/12
PROJECT #		380-6048	
SURVEY #		1029, 12	
SEC./TWN./RGE		26&35/33S	
SCALE		1"=60'	
SURVEYED	K&S	12/2	
DESIGNED	CM	02/C	
DRAWN		04/2	
CHECKED	J.P.SF	03/2	

CHRISTOPHER LEE MOWBRAY
FLORIDA P.E. # 45777
Ch. Lee Mowbray
Signature & Date

SHEET 19 OF





NOTES

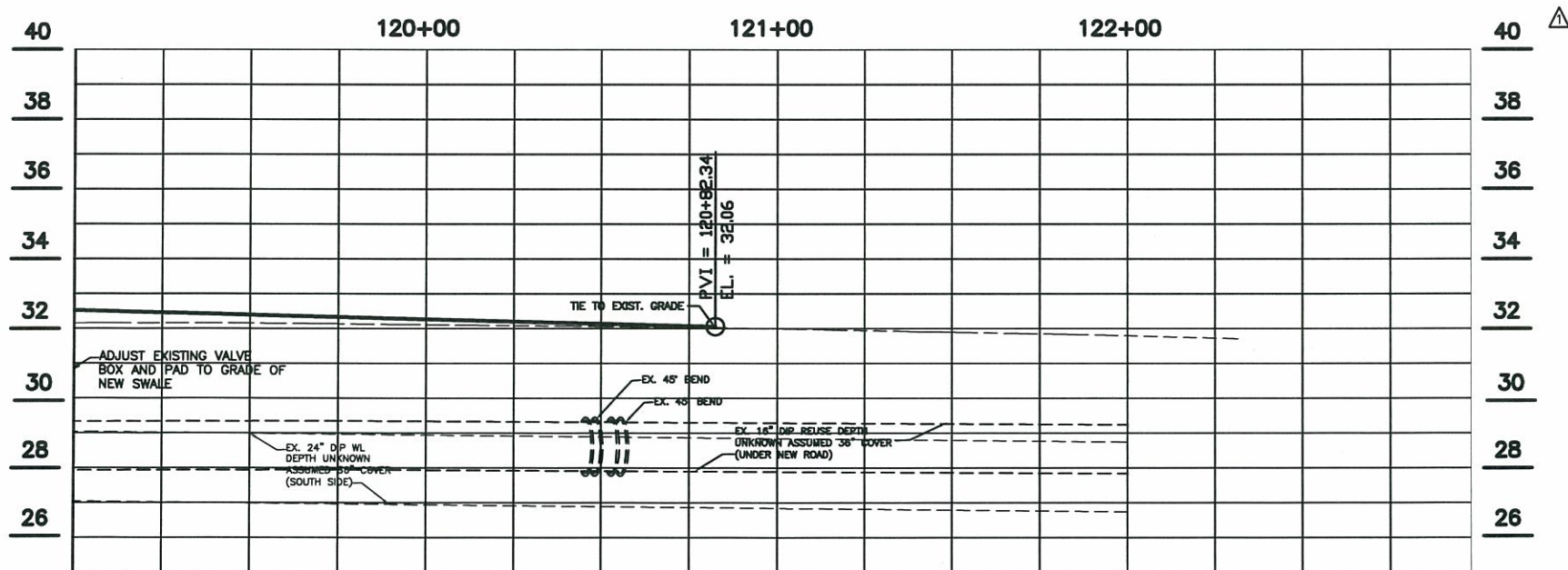
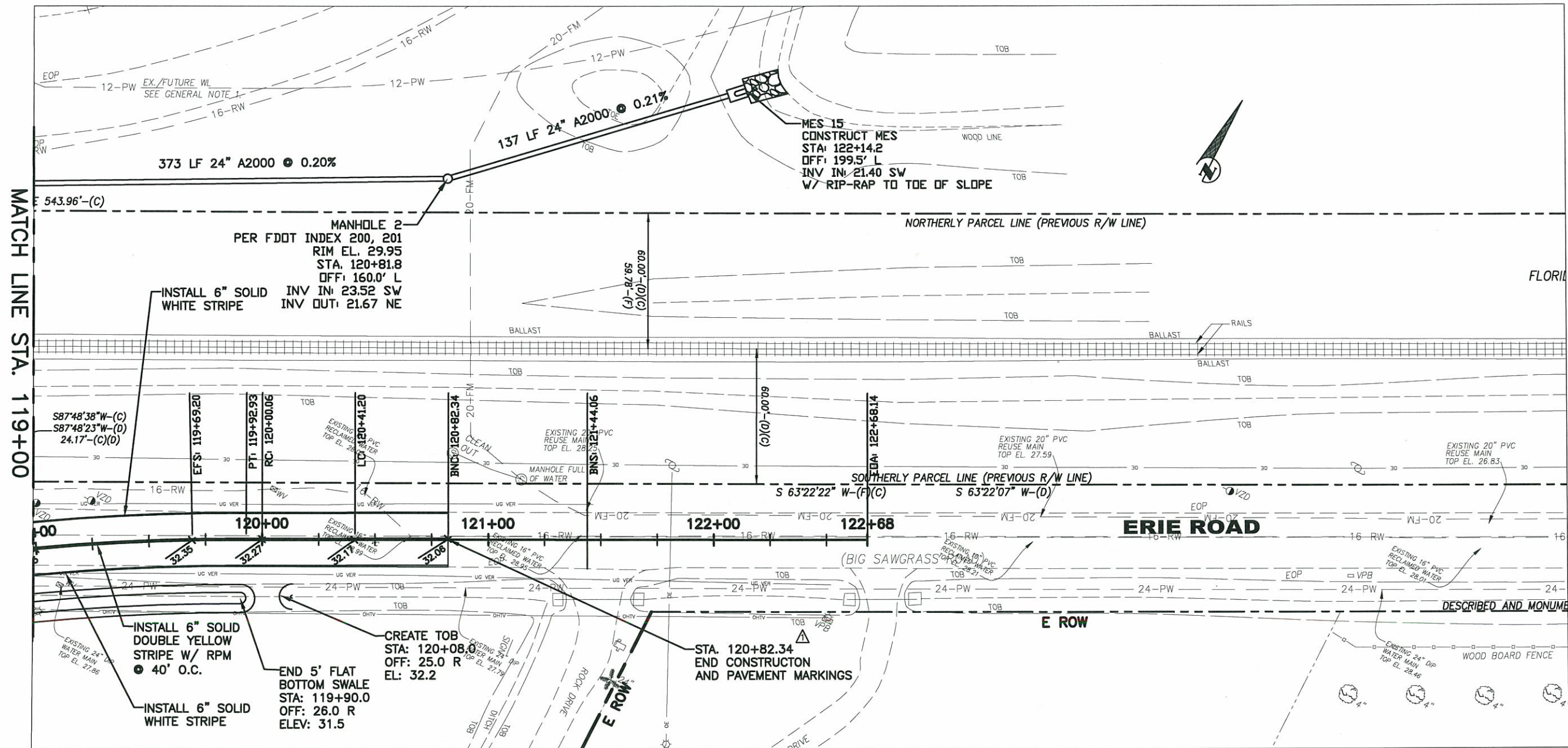
1. HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO BE STORED OR OPERATE IN ANY DRY POND/SWALE AREAS.
2. A SOIL TRACKING DEVICES PER FDOT INDEX 106 SHALL BE INSTALLED BY CONTRACTOR IN COORDINATION WITH FIELD ENGINEER AT POINTS WHERE CONSTRUCTION EQUIPMENT EGRESS PUBLIC ACCESS ROADS, THERE LOCATIONS SHALL BE ADJUSTED AS NEEDED DURING ALL PHASES OF CONSTRUCTION
3. CONTRACTOR SHALL SUBMIT A DEWATERING PLAN FOR SWFMD APPROVAL.

ERIE ROAD @ 69TH ST. EAST-
INTERSECTION
BEST MANAGEMENT PRACTICES/
SLECTIVE CLEARING AND GRUBBING SHEET



NO.	REVISION DESCRIPTION	BY	DATE
1	ADDENDUM #2	SF/GB	08/09/12
PROJECT #	380-6048460		
SURVEY #	1029, 1235		
SEC./TWN./RGE	26&35/33S/18E		
SCALE	1"=60'		
SURVEYED	K&S 12/29/10		
DESIGNED	CM 02/05/10		
DRAWN	04/23/10		
CHECKED	JP SF 03/20/12		
CHRISTOPHER LEE MOMBAY, P.E. FLORIDA P.E. # 46777			
Signature & Date			
SHEET 20 OF 75			

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT. S:\P\02_Engineering_Short\Highway_Engineering\PROJECTS\10-15-09\03\ERIE ROAD REALIGNMENT\PAK.dwg, 31. ERIE PP. 8/20/2012 2:37 PM G:\p\p\berkman, 1.1, tabid 11 x 17



Horizontal Scale: 1"=50' Vertical Scale: 1"=5'

MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

1022 26th Avenue East
Bradenton, FL 34208

ERIE ROAD @ 69TH ST. EAST-
INTERSECTION
ERIE ROAD / PLAN AND PROFILE

NO.	DATE	BY	REVISION DESCRIPTION
1	08/09/12	SF/GB	ADDENDUM #2

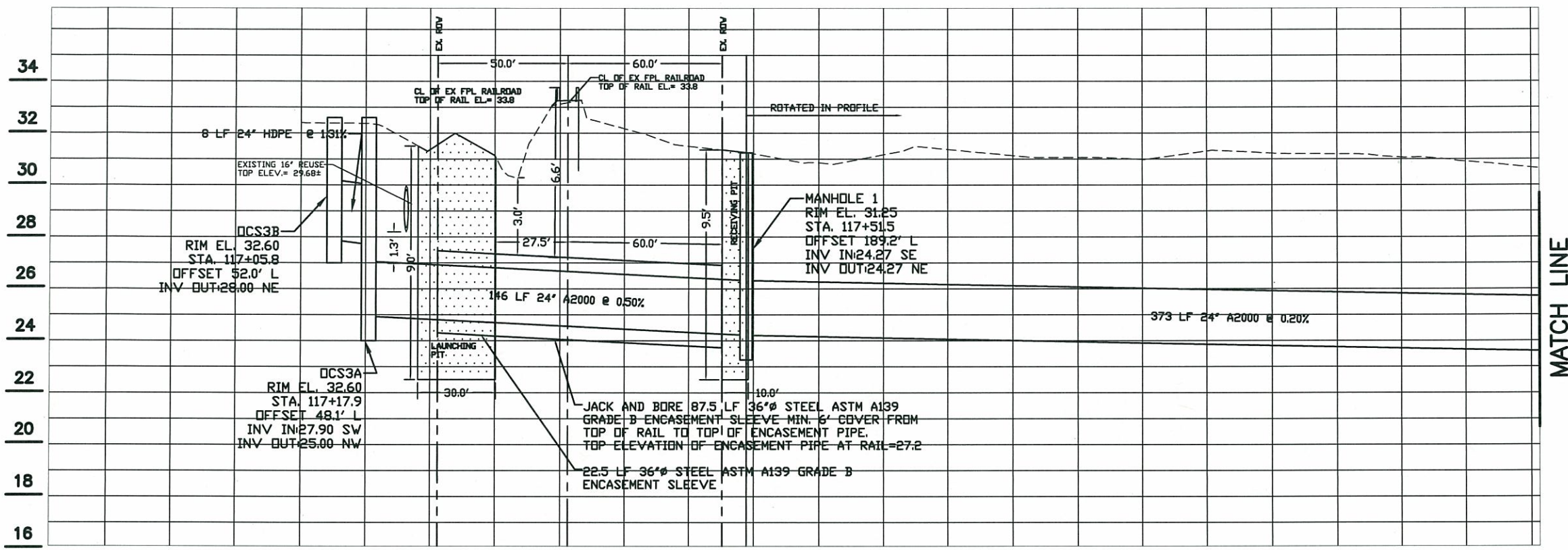
PROJECT # 380-6048460
SURVEY # 1029, 1235
SEC./TWN./RGE 26&35/33S/18E
SCALE 1"=50'
SURVEYED K&S 12/29/10
DESIGNED CM 02/05/10
DRAWN 04/23/10
CHECKED MO,JP,SF 03/20/12

CHRISTOPHER LEE MOWBRAY, P.E.
FLORIDA P.E. # 46777

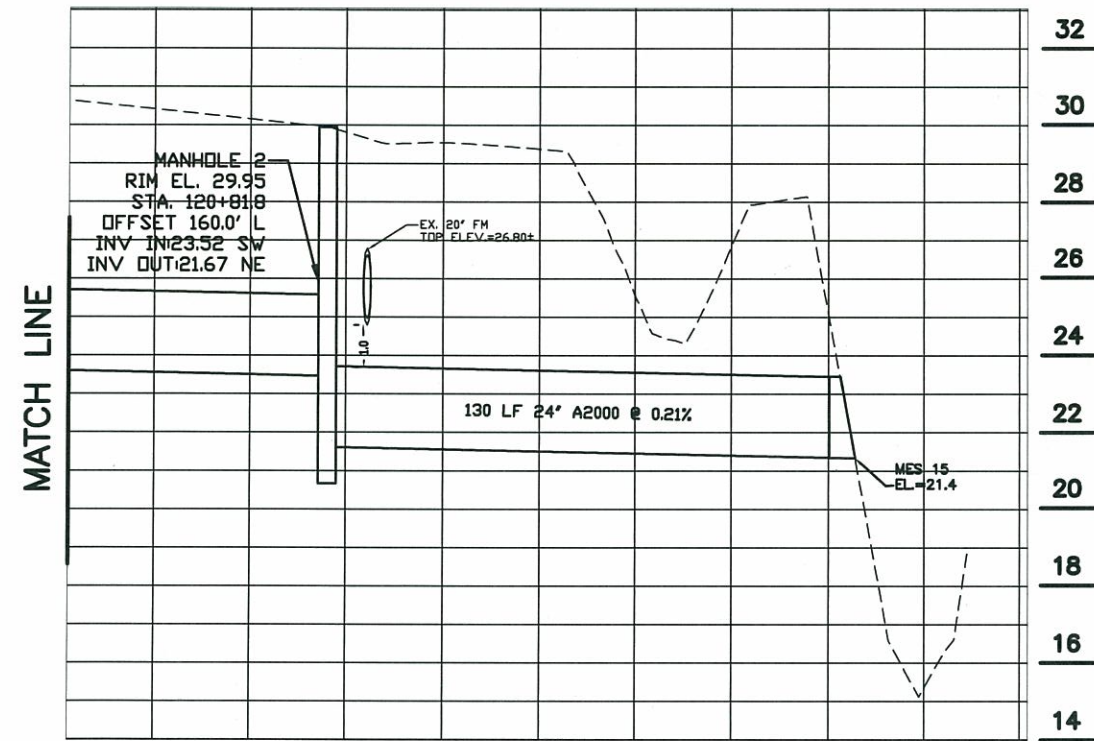
Signature & Date

SHEET 31 OF 75

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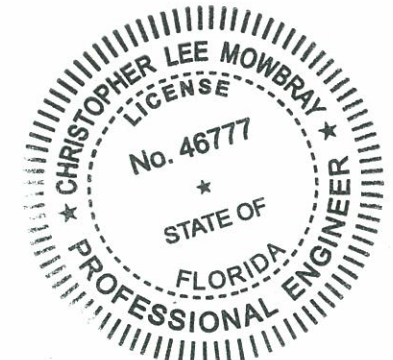
MATCH LINE



MATCH LINE

LEGEND	
Value	Description
60'N/50'S	Distance from centerline of track to FPL R/W
6.6'	Distance from TOP of rail to top of casing
N/A	Distance from base of ditch to top of casing
110'	Total length of pipe on FPL R/W
23'N/23'S	Distance from centerline of nearest track to face of pits at a 90 degree angle to the track(s)
N/A	Distance from top of vent pipe to ground surface (4' minimum required)
N/A	Distance from centerline of track to the vent pipe at a 90 degree angle to the track
24"	Carrier pipe diameter
36"	Casing pipe diameter
9.5'N/9.0'S	Depth of launching/ receiving pit

CSXT Pipeline Spec. reference	PIPELINE CONTENT DETAILS	
	Commodity Description:	STORMWATER
	Maximum operating Pressure:	N/A
	Is Commodity Flammable:	☐ Yes ☒ No
CARRIER/CASING PIPE DETAILS		
	24" Carrier Pipe	36" Casing Pipe Δ
	Pipe Material:	PVC-A2000 STEEL
	Material Specifications & Grade:	ASTM F949 ASTM A139 GRADE B
	Specified Minimum Yield Strength:	46 psi STIFFNESS 35,000 PSI MIN.
	Nominal Size Outside Dia. (Inches):	25.6" 37.06"
	Wall Thickness (Inches):	1.1" 0.532"
	Type of Seam:	OVERLAP ST. SEAM
	Type of Joints:	GASKETED BELL & SPIGOT FULLY WELDED
	Tunnel Liner Plates Required:	☐ Yes ☒ No
	Cathodic Protection:	☐ Yes ☒ No
	Protective Coating:	☐ Yes ☒ No Type:
	Temp. Track Support or Rip-Rap Req.:	☐ Yes ☒ No Type:
COPYRIGHTED MATERIAL 2007.		



Location: 125 LF N. OF PROPOSED ERIE ROAD ALIGNMENT
Latitude: N 27° : 34' : 21 . 14"
Longitude: W 82° : 28' : 33 . 04"
Drawing No.: _____ Sheet: 1 of 1
Drawing Date: ____/____/____ Revised: ____/____/____
Drawing Scale: V 1 Inches= 5 Feet
Drawing Scale: H 1 Inches= 50 Feet

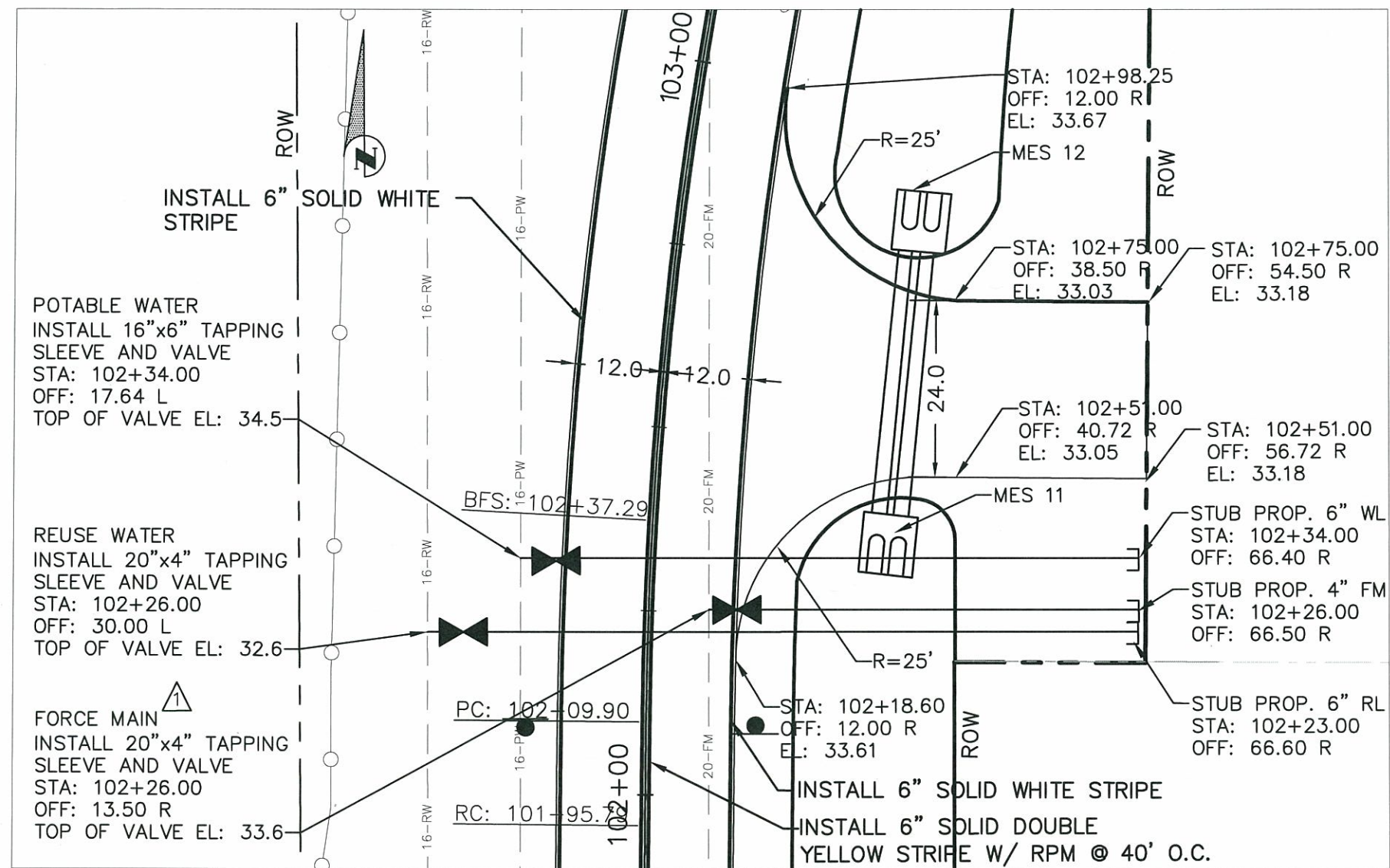
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ERIE ROAD @ 69TH ST. EAST-
INTERSECTION
PROFILE ACCESS PIPE / RAIL CROSSING

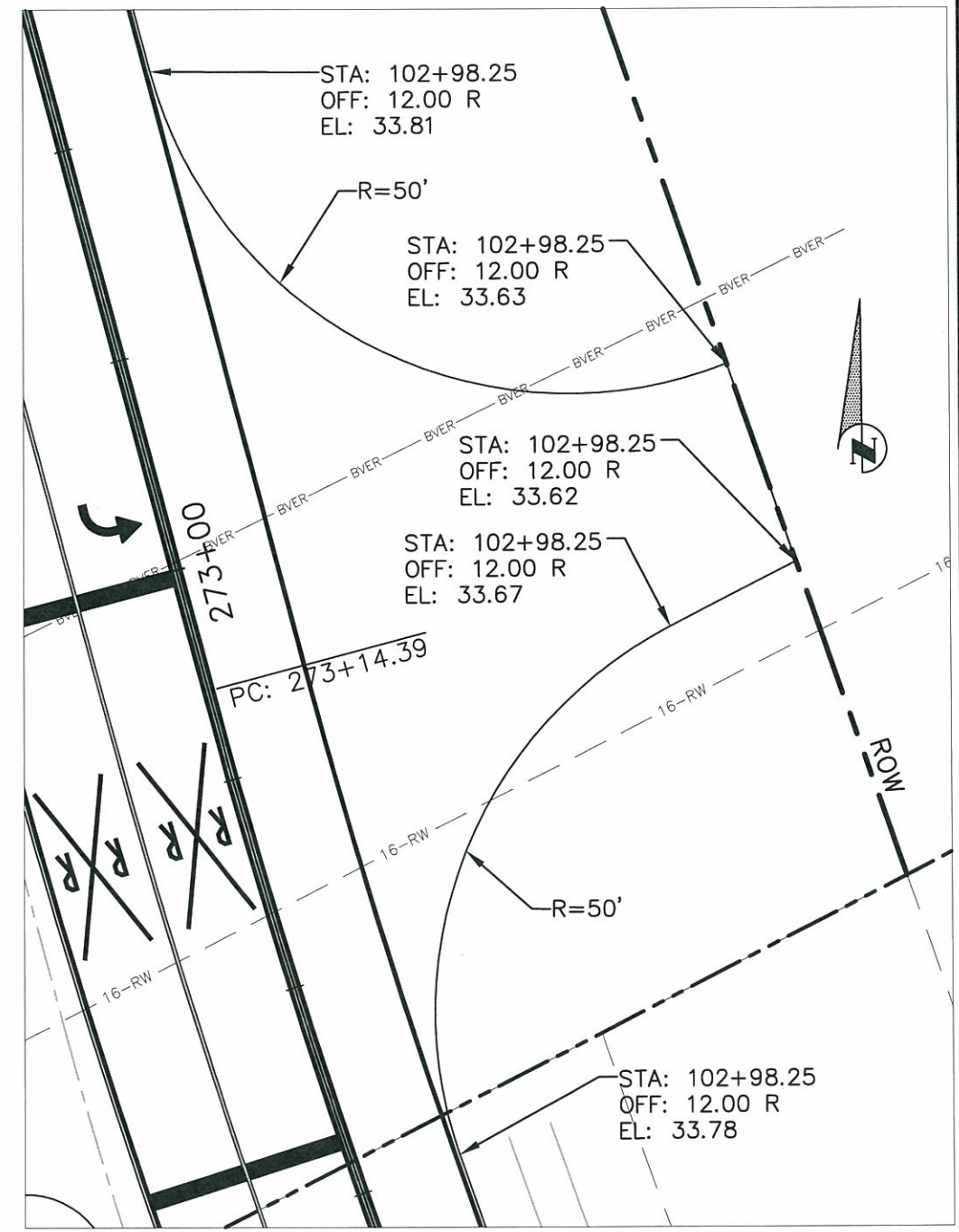
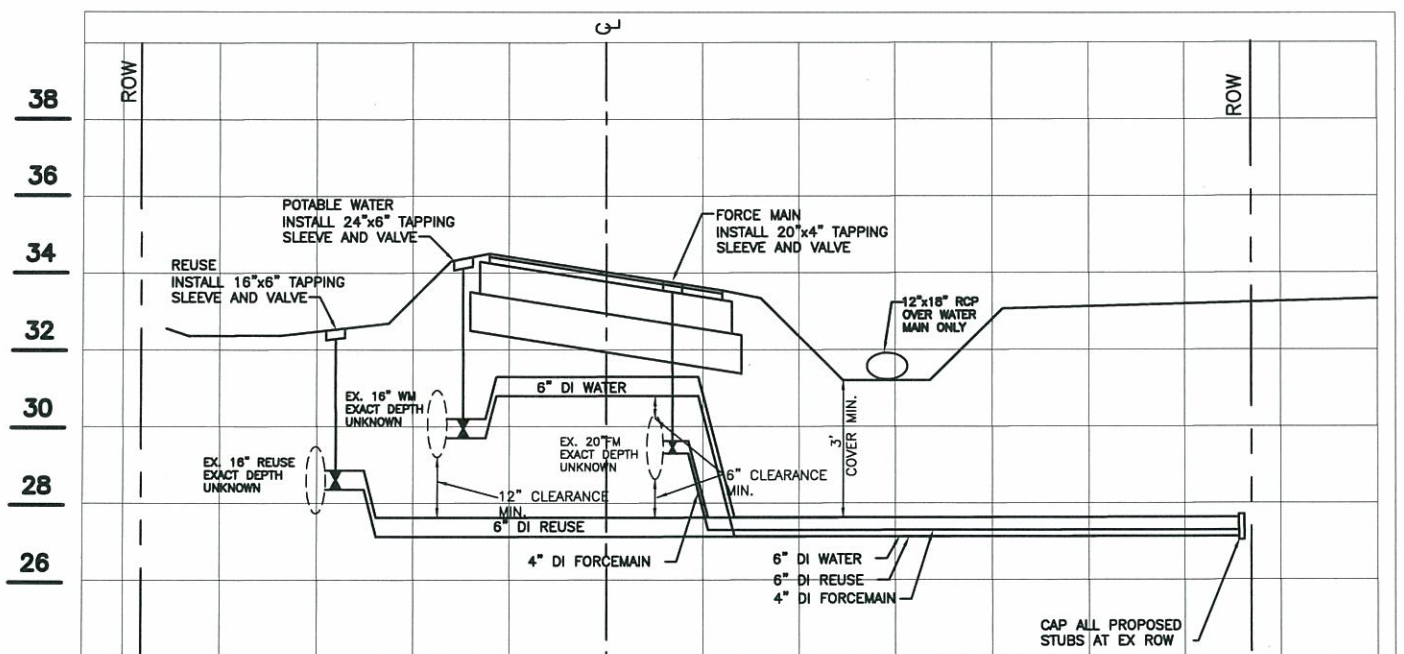
NO.	DATE	BY	REVISION DESCRIPTION	ADDENDUM #2
1	08/05/12	SF/GB		
PROJECT #	380-8048460			
SURVEY #	1029, 1235			
SEC./TWN./RGE	26&35/33S/18E			
SCALE	1"=50'			
SURVEYED	K&S	12/29/10		
DESIGNED	CM	02/05/10		
DRAWN		04/23/10		
CHECKED	JP,SF	03/20/12		
CHRISTOPHER LEE MOWBRAY, P.E.				
FLORIDA P.E. # 46777				
Signature & Date				
SHEET 36 OF 75				

S:\PWD_Engineering_Shore_Highway_Engineering\PROJECTS\Aria Bocc Approved Alignment\Chris' Area 10-15-09\DWG\ERIE ROAD REALIGNMENT INT DET.dwg, INT DET 64, 8/20/2012 2:40 PM, Goppy Berkman, 1:1, Tab04 (11 x 17)



ERIE ROAD CONCRETE DRIVEWAY "A"

1"=20'



69TH ST CONCRETE ACCESS DRIVE "D"

1"=20'

MANATEE COUNTY, FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

1022 26th Avenue East
Bradenton, FL 34208

ERIE ROAD @ 69TH ST. EAST-
INTERSECTION

INTERSECTION/DRIVEWAY DETAIL SHEET

NO.	DATE	BY	REVISION DESCRIPTION
1	08/09/12	SF/CB	ADDENDUM #2

PROJECT #	380-6048460
SURVEY #	1029, 1235
SEC./TWN./RGE	26&35/33S/18E
SCALE	
SURVEYED	K&S 12/29/10
DESIGNED	CMH 02/05/10
DRAWN	WJR 04/26/10
CHECKED	WJR 03/20/12
WAYNE R. TROXLER, P.E.	FLORIDA P.E. # 62204

Signature & Date

SHEET 64 OF 75