

COMPONENTS OF CONTRACT PLANS SET
LANDSCAPE PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

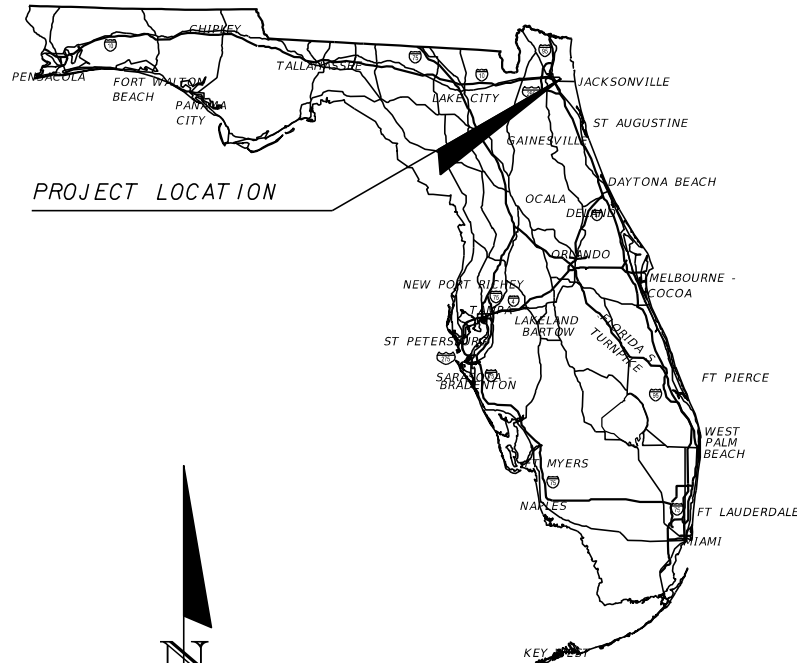
CONTRACT PLANS

FINANCIAL PROJECT ID 431962-1-52-01

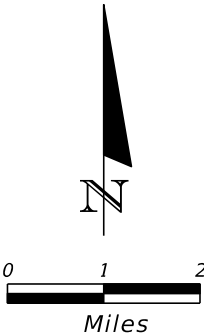
DUVAL COUNTY (72190)

STATE ROAD NO. 212

LANDSCAPE PLANS



PROJECT LOCATION



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
Shawn Bliss, R.L.A. NO. 1548
Prosser, Inc.
13901 Sutton Park Drive So., Ste. 200
Jacksonville, Florida 32224-0229
p: 904.739.3655 f: 904.730.3413 e: info@prosserinc.com
Fla. Certificate of Authorization No.: 00004050
Consultant Contract No.: C9870
Vendor No.: F592484852-001

PLANS PREPARED BY:
Prosser, Inc.
13901 Sutton Park Drive So., Ste. 200
Jacksonville, Florida 32224-0229
p: 904.739.3655 f: 904.730.3413 e: info@prosserinc.com
Fla. Certificate of Authorization No.: 00004050
Consultant Contract No.: C9870
Vendor No.: F592484852-001

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

BEGIN PROJECT
STA. 644+45.88
MP. 12.047

END PROJECT
STA. 758+92.92
MP 14.215

T-2-S
T-3-S

END BRIDGE #720730
STA. 706+95.63
MP 13.231

BEGIN BRIDGE #720730
STA. 683+98.383
MP 12.796

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2016 Design Standards and
revised Index Drawings as appended herin, and January 2016 Standard
Specifications for Road and Bridge Construction, as amended by
Contract Documents.

For Design Standards click on the "Design Standards" link at the
following web site:
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge
Construction click on the "Specifications" link at the following
web site:
<http://www.dot.state.fl.us/specificationsoffice/>

PROJECT LENGTH IS BASED ON C/L OF SR 212 BEACH BOULEVARD

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	9149.561	1.733
BRIDGES	2297.479	0.435
NET LENGTH OF PROJECT	11447.040	2.168
EXCEPTIONS	0.000	0.00
GROSS LENGTH OF PROJECT	11447.040	2.168

FDOT PROJECT MANAGER: AMY L. WILLIAMS

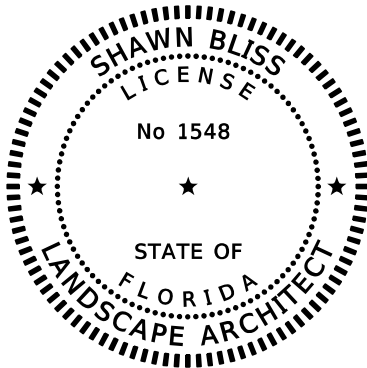
KEY SHEET REVISIONS	
DATE	DESCRIPTION

LANDSCAPE PLANS
ARCHITECT OF RECORD: SHAWN BLISS, R.L.A.

R.L.A. NO.: 1548

FISCAL YEAR	SHEET NO.
16	LD-1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.001, F.A.C.



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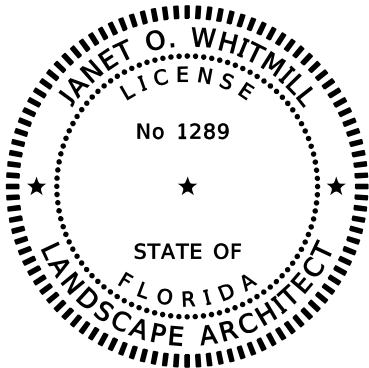
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PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH, SUITE 200
JACKSONVILLE, FL 32224

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

LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SIGNATURE SHEET
LD-3	SUMMARY OF PAY ITEMS
LD-4	TABULATION OF QUANTITIES AND PLANT SCHEDULE
LD-5	TABULATION OF QUANTITIES AND IRRIGATION SCHEDULE
LD-6 - LD-7	TABULATION OF QUANTITIES
LD-8	LANDSCAPE DETAILS
LD-9	LANDSCAPE GENERAL NOTES
LD-10	PROJECT LAYOUT
LD-11	PROJECT NOTES
LD-12 - LD-29	LANDSCAPE PLAN
LD-55	MAINTENANCE PLAN



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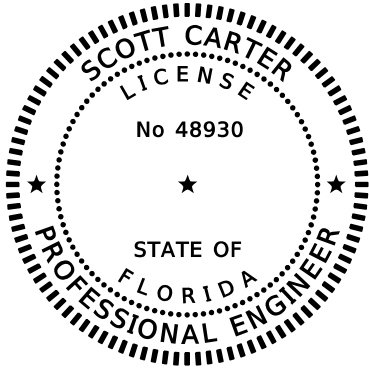
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JANET O. WHITMILL, R.L.A., INC.
P.O. BOX 5212
JACKSONVILLE, FL 32247-5212

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WITH RULE 61G10-11.011, F.A.C.

LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-30 - LD-32	IRRIGATION DETAILS
LD-33 - LD-50	IRRIGATION PLAN



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PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH, SUITE 200
JACKSONVILLE, FL 32224

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL
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WITH RULE 61G15-23.004, F.A.C.

LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-51	STORM WATER POLLUTION PREVENTION PLAN
LD-52 - LD-54	TRAFFIC CONTROL PLAN

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 212	DUVAL	431962-1-52-01		LD-2

SHAWN BLISS, R.L.A.
R.L.A. NO.: 1548
PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH,
SUITE 200
JACKSONVILLE, FL 32224
CERTIFICATE OF AUTHORIZATION: 00004050

bcombs3/21/20169:32:30 AMP:\112\112041-01-SR 212 LANDSCAPE\CADD\CURRENT\43196213201\landscp\SIGNLD02.

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 431962-1-52-01						
LEAD PROJECT : 431962-1-52-01			DISTRICT : 02		COUNTY/SECTION : 72190000	
PROJECT(S) : 43196215201			COUNTY : DUVAL			
0600 SUMMARY OF LANDSCAPE / PERIPHERAL						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43196215201	QUANTITY TOTAL
		0999- 2-	LUMP SUM CONTRACT, ALTERNATIVE BIDDING	LS	1.000	1.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1.000 N	1.000

PAY ITEM NOTES:
1. 999-2 LUMP SUM CONTRACT: ALL OTHER PAY ITEM NUMBERS SHOWN IN THE CONTRACT PLANS ARE PROVIDED ONLY FOR THE PURPOSE OF DESCRIBING THE WORK TO BE PERFORMED. PAY ITEM DESCRIPTIONS ARE FOUND IN THE DEPARTMENT'S BASIS OF ESTIMATES MANUAL.

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-3
					212	DUVAL	431962-1-52-01		

PAY ITEM NO.	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTA INED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS											
									LD-12		LD-13		LD-14		LD-15		LD-16		LD-17	
									PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
0580-1-2		LANDSCAPE COMPLETE- LARGE PLANTS																		
	PD	PHOENIX DACTYLIFERA 'MEDIJ00L'	MEDJ00L DATE PALM	23 FT. C.T. X 20 FT. SPRD.; MATCHED HT'S	NATURAL	SEE PLAN	CLASSIC CUT LEAF BASES	EA			6		2				1		17	
	PS	PHOENIX SYLVESTRIS	WILD DATE PALM	16 FT. C.T. X 18 FT SPRD.; MATCHED HT'S	NATURAL	SEE PLAN	STRAIGHT CUT LEAF BASES	EA	3				6		3					
	QV	QUERCUS VIRGINIANA 'SLDN' PP12015 CATHEDRAL	CATHEDRAL OAK	15 FT. X 7 FT. SPRD., 4" CALP.	NATURAL	SEE PLAN	5 FT. C.T. MIN.	EA												
	SP	SABAL PALMETTO	CABBAGE PALM	12 FT. C.T. - 18 FT C.T.	NATURAL	SEE PLAN	EQUAL QTY'S OF EA. SIZE FOR STAGGERED (12',15',18' C.T.) HT'S, NO ADJACENT PALMS SAME HT; SLICK TRUNK; ROOT REGENERATED-THREE (3) EXCELLENT LEAVES MIN.	EA					11				20			
	SP-R	RELOCATED SABAL PALMETTO	CABBAGE PALM	EXISTING - HT'S VARY	NATURAL	SEE PLAN	EXISTING PALMS TO BE DUG AND RELOCATED, FROND BOOTS TO REMAIN, PROTECT FROM DAMAGE	EA												
0580-1-1		LANDSCAPE COMPLETE- SMALL PLANTS																		
	PQ	PASPALUM QUADRIFARIUM	EVERGREEN PASPALUM	3 GAL, 16 IN. HT. X 16 IN. SPRD.	NATURAL	3' O.C.	FULL DENSE FOLIAGE	EA					77				158			
	SOD	PERFORMANCE TURF - CYNODON SPP 'COMMON'	COMMON BERMUDA	SOLID SOD PIECES	N/A	N/A	MAINTAIN PER FDOT MAINT. RATING PROGRAM	SY	559		862		1148		1157		578		1790	

LEGEND:

A.G.

C.T.

FT.

IN.

N/A

O.C.

SPRD.

ABOVE GRADE

CLEAR TRUNK

FEET

INCH

NOT APPLICABLE

ON CENTER

SPREAD

PAY ITEM NO.	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTA INED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS											
									LD-18		LD-19		LD-20		LD-21		LD-22		LD-23	
									PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
0580-1-2		LANDSCAPE COMPLETE- LARGE PLANTS																		
	PD	PHOENIX DACTYLIFERA 'MEDIJ00L'	MEDJ00L DATE PALM	23 FT. C.T. X 20 FT. SPRD.; MATCHED HT'S	NATURAL	SEE PLAN	CLASSIC CUT LEAF BASES	EA							6		4			
	PS	PHOENIX SYLVESTRIS	WILD DATE PALM	16 FT. C.T. X 18 FT SPRD.; MATCHED HT'S	NATURAL	SEE PLAN	STRAIGHT CUT LEAF BASES	EA												
	QV	QUERCUS VIRGINIANA 'SLDN' PP12015 CATHEDRAL	CATHEDRAL OAK	15 FT. X 7 FT. SPRD., 4" CALP.	NATURAL	SEE PLAN	5 FT. C.T. MIN.	EA					3							
	SP	SABAL PALMETTO	CABBAGE PALM	12 FT. C.T. - 18 FT C.T.	NATURAL	SEE PLAN	EQUAL QTY'S OF EA. SIZE FOR STAGGERED (12',15',18' C.T.) HT'S, NO ADJACENT PALMS SAME HT; SLICK TRUNK; ROOT REGENERATED-THREE (3) EXCELLENT LEAVES MIN.	EA							20		19		33	
	SP-R	RELOCATED SABAL PALMETTO	CABBAGE PALM	EXISTING - HT'S VARY	NATURAL	SEE PLAN	EXISTING PALMS TO BE DUG AND RELOCATED, FROND BOOTS TO REMAIN, PROTECT FROM DAMAGE.	EA					73		21					
0580-1-1		LANDSCAPE COMPLETE- SMALL PLANTS																		
	PQ	PASPALUM QUADRIFARIUM	EVERGREEN PASPALUM	3 GAL, 16 IN. HT. X 16 IN. SPRD.	NATURAL	3' O.C.	FULL DENSE FOLIAGE	EA							160		97		167	
	SOD	PERFORMANCE TURF - CYNODON SPP 'COMMON'	COMMON BERMUDA	SOLID SOD PIECES	N/A	N/A	MAINTAIN PER FDOT MAINT. RATING PROGRAM	SY							963		1077		601	

PAY ITEM NO.	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTA INED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS											
									LD-24		LD-25		LD-26		LD-27		LD-28		LD-29	
									PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
0580-1-2		LANDSCAPE COMPLETE- LARGE PLANTS																		
	PD	PHOENIX DACTYLIFERA 'MEDIJ00L'	MEDJ00L DATE PALM	23 FT. C.T. X 20 FT. SPRD.; MATCHED HT'S	NATURAL	SEE PLAN	CLASSIC CUT LEAF BASES	EA	5						3					
	PS	PHOENIX SYLVESTRIS	WILD DATE PALM	16 FT. C.T. X 18 FT SPRD.; MATCHED HT'S	NATURAL	SEE PLAN	STRAIGHT CUT LEAF BASES	EA			4		13							
	QV	QUERCUS VIRGINIANA 'SLDN' PP12015 CATHEDRAL	CATHEDRAL OAK	15 FT. X 7 FT. SPRD., 4" CALP.	NATURAL	SEE PLAN	5 FT. C.T. MIN.	EA												
	SP	SABAL PALMETTO	CABBAGE PALM	12 FT. C.T. - 18 FT C.T.	NATURAL	SEE PLAN	EQUAL QTY'S OF EA. SIZE FOR STAGGERED (12',15',18' C.T.) HT'S, NO ADJACENT PALMS SAME HT; SLICK TRUNK; ROOT REGENERATED-THREE (3) EXCELLENT LEAVES MIN.	EA	37		4				26		3			
	SP-R	RELOCATED SABAL PALMETTO	CABBAGE PALM	EXISTING - HT'S VARY	NATURAL	SEE PLAN	EXISTING PALMS TO BE DUG AND RELOCATED, FROND BOOTS TO REMAIN, PROTECT FROM DAMAGE.	EA												
0580-1-1		LANDSCAPE COMPLETE- SMALL PLANTS																		
	PQ	PASPALUM QUADRIFARIUM	EVERGREEN PASPALUM	3 GAL, 16 IN. HT. X 16 IN. SPRD.	NATURAL	3' O.C.	FULL DENSE FOLIAGE	EA	221		20				116		22			
	SOD	PERFORMANCE TURF - CYNODON SPP 'COMMON'	COMMON BERMUDA	SOLID SOD PIECES	N/A	N/A	MAINTAIN PER FDOT MAINT. RATING PROGRAM	SY	1070		520		905		640		154			

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES AND PLANT SCHEDULE						SHEET NO.		
DATE	DESCRIPTION		DATE				DESCRIPTION		ROAD NO.							COUNTY	FINANCIAL PROJECT ID	LD-4
									SR 212							DUVAL	431962-1-52-01	

LEGEND:
A.G. ABOVE GRADE
C.T. CLEAR TRUNK
FT. FEET
IN. INCH
N/A NOT APPLICABLE
O.C. ON CENTER
SPRD. SPREAD

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TABULATION OF QUANTITIES AND SCHEDULE FOR IRRIGATION		
QUANTITY	UNIT	DESCRIPTION
1	LS	IRRIGATION PIPE, BUBBLERS, DRIPLINE, DIRECTIONAL BORE PIPE, ISOLATION VALVES AND ASSOCIATED EQUIPMENT
1	LS	REMOTE CONTROL VALVES WITH PRESSURE REGULATOR
1	LS	IRRIGATION CONTROLLERS - 4 STATION WITH RAIN AND FREEZE SWITCH
1	LS	POTABLE WATER METER WITH BACKFLOW PREVENTER
1	LS	RECLAIMED WATER METER INSTALLATION

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DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY	FINANCIAL PROJECT ID
							SR 212		DUVAL	431962-1-52-01
									LD-5	

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SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101-1	MOBILIZATION	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
102-1	MAINTENANCE OF TRAFFIC	LS	1	1	1			0	1			
102-60	WORK ZONE SIGN	ED	155	32	4960			0	4960			
102-74-1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	155	142	22010			0	22010			
102-76	ARROW BOARD/ADVANCE WARNING ARROW PANEL	ED	155	2	310			0	310			
102-99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	155	2	310			0	310			
					0			0	0			
					0			0	0			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES																					
LOCATION		SIDE	AREA ID	ARTIFICIAL COVERINGS		SEDIMENT BASIN		SEDIMENT BASIN CLEANOUT		SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		STAKED TURBIDITY BARRIER		SOIL TRACKING PREVENTION DEVICE		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
STA. TO STA.				0104 1		0104 7		0104 9		0104 10 3		0104 11		0104 12		0104 15		0104 18			
				SY		EA		EA		LF		LF		LF		EA		EA			
				P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
644+50.00	758+90.00																	74			
647+85.00	650+25.00								487.0												
650+40.00	655+90.00								1114.0												
656+83.00	660+65.00								789.0												
660+80.00	665+08.00								872.0												
665+20.00	668+23.00								615.0												
668+41.00	669+47.00								243.0												
669+61.00	671+25.00								341.0												
672+28.00	673+65.00								276.0												
674+63.00	683+98.38								1896.0												
699+15.00	713+00.00								3046.0												
706+95.63	712+10.00								1062.0												
712+21.00	713+64.00								304.0												
713+68.00	722+30.00								1717.0												
723+32.00	733+17.00								1967.0												
733+22.00	733+55.00								81.0												
733+63.00	736+45.00								570.0												
738+50.00	745+25.00								1394.0												
746+62.00	753+40.00								1370.0												
						</															

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		LD-6

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SUMMARY OF LITTER REMOVAL AND MOWING												
CONST. PHASE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS
			0107 1				0107 2					
			CYCLE S	AREA			CYCLE S	AREA				
				AC/ CYCLE	TOTAL (AC)			AC/ CYCLE	TOTAL (AC)			
					P	F			P	F		
INSTALL	155	30	6	24.00	144.00		6	21.00	126.00		INSTALLATION PERIOD	
							0.00					
PLANT EST.	730	30	24	24.00	576.00		24	21.00	504.00		2-YEAR ESTABLISHMENT PERIOD	
SUB-TOTAL :					720		SUB-TOTAL : 630					
TOTAL :							TOTAL :					0.00

SUMMARY OF REMOVAL ITEMS															
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.							AREA (SY)	P	F	P	F		
110-1-1	CLEARING & GRUBBING	647+85.00 L	650+25.00 R						516.000					EXISTING TURF	
		650+40.00 R	650+75.00 R						43.000					EXISTING TURF	
		650+75.00 R	655+90.00 L						773.000					EXISTING TURF & TREES	
		656+83.00 R	657+50.00 R						89.000					EXISTING TURF	
		657+50.00 R	660+65.00 L						629.000					EXISTING TURF & TREES	
		660+80.00 R	664+25.30 L						585.000					EXISTING TURF & TREES	
		664+25.00 L	665+8.00 R						209.000					EXISTING TURF & TREES	
		665+20.00 L	668+23.00 L						498.000					EXISTING TURF & TREES	
		668+41.00 R	669+47.00 L						253.000					EXISTING TURF	
		669+61.00 R	671+00.00 R						197.000					EXISTING TURF & TREES	
		671+00.00 R	671+25.00 R						19.000					EXISTING TURF	
		672+28.00 L	673+65.00 L						163.000					EXISTING TURF	
		674+63.00 R	677+75.00 L						533.000					EXISTING TURF	
		677+75.00 L	683+98.38 L						1790.000					EXISTING TURF & TREES	
		706+95.63 L	771+50.00 L						1102.000					EXISTING TURF & TREES	
		711+50.00 L	712+10.00 L						67.000					EXISTING TURF	
		712+21.00 L	713+64.00 L						317.000					EXISTING TURF	
		713+68.00 L	718+25.00 R						777.000					EXISTING TURF & TREES	
		718+25.00 R	722+30.00 R						535.000					EXISTING TURF & TREES	
		723+32.00 R	725+00.00 R						209.000					EXISTING TURF & TREES	
		725+00.00 R	731+75.00 R						1261.000					EXISTING TURF & TREES	
		731+75.00 R	733+17.00 R						174.000					EXISTING TURF & TREES	
		733+22.00 R	733+55.00 R						24.000					EXISTING TURF	
		733+63.00 R	736+45.00 R						340.000					EXISTING TURF & TREES	
		738+50.00 R	745+25.00 R						905.000					EXISTING TURF & TREES	
		746+62.00 R	752+00.00 R						764.000					EXISTING TURF & TREES	
		752+00.00 R	753+40.00 R						173.000					EXISTING TURF	

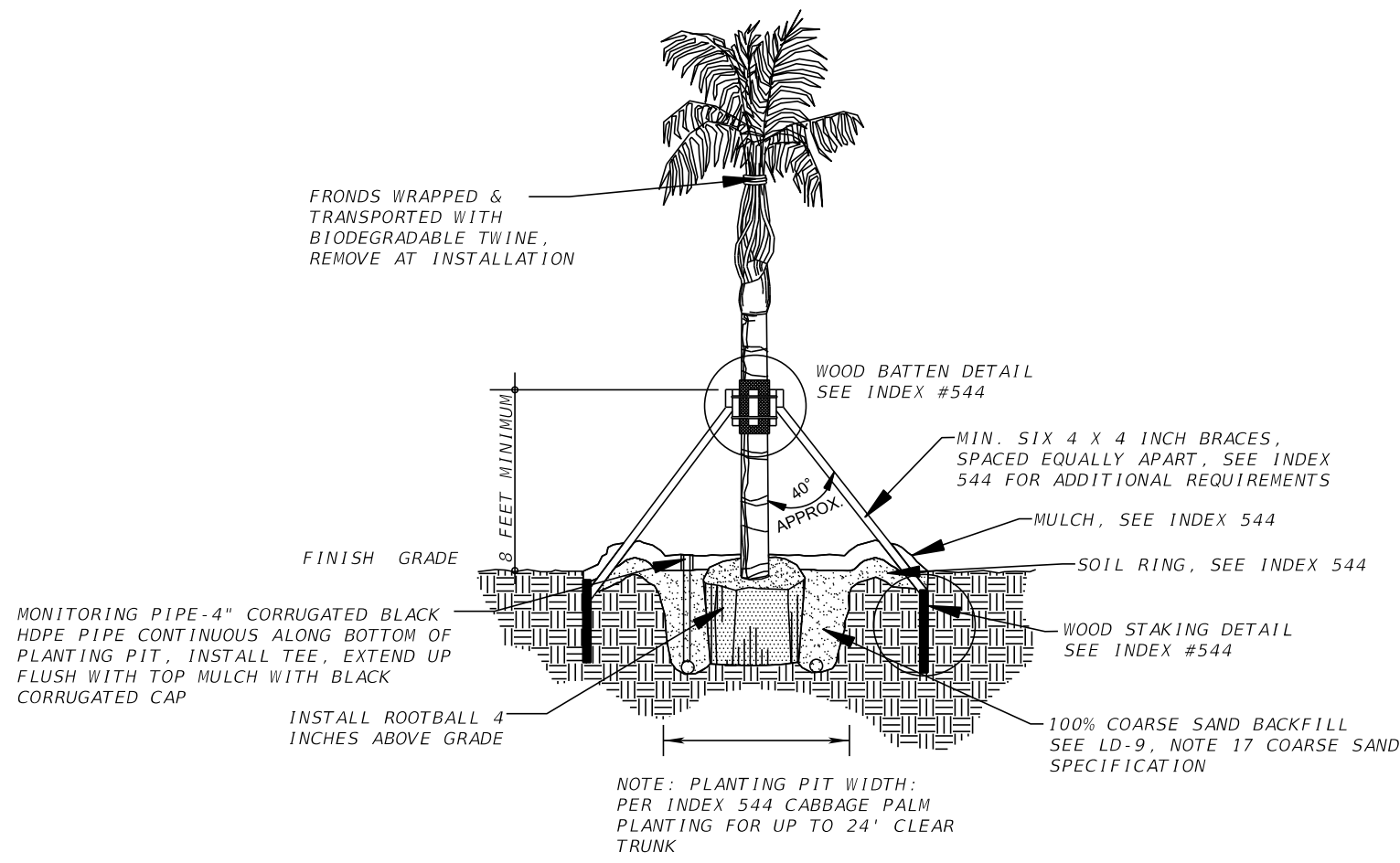
REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		LD-7

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LEGEND:

SYMBOL	BOTANICAL NAME
	PD PHOENIX DACTYLIFERA 'MEDJOOL'
	PQ PASPALUM QUADRIFARIUM
	PS PHOENIX SYLVESTRIS
	QV QUERCUS VIRGINIANA 'SLDN' PP12015 CATHEDRAL
	SP SABAL PALMETTO
	SP-R RELOCATED SABAL PALMETTO
	BERMUDA CYNODON. SPP 'COMMON'

DATE PALM PLANTING DETAIL TO BE USED WITH INDEX 544



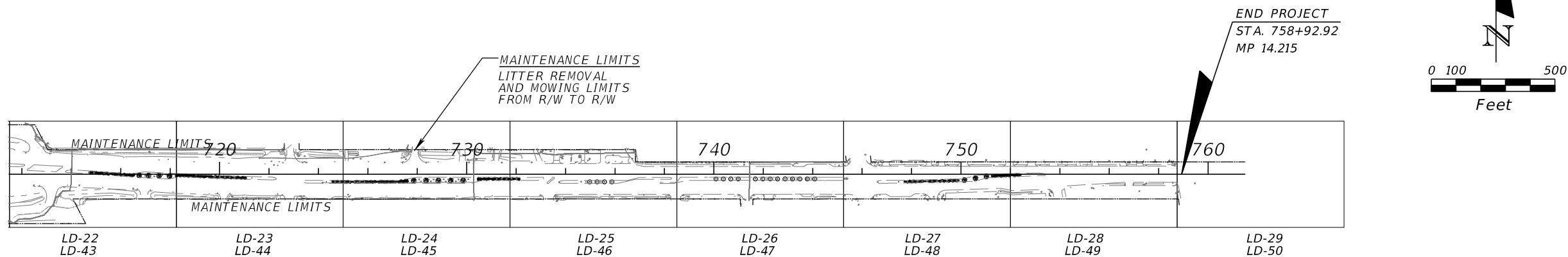
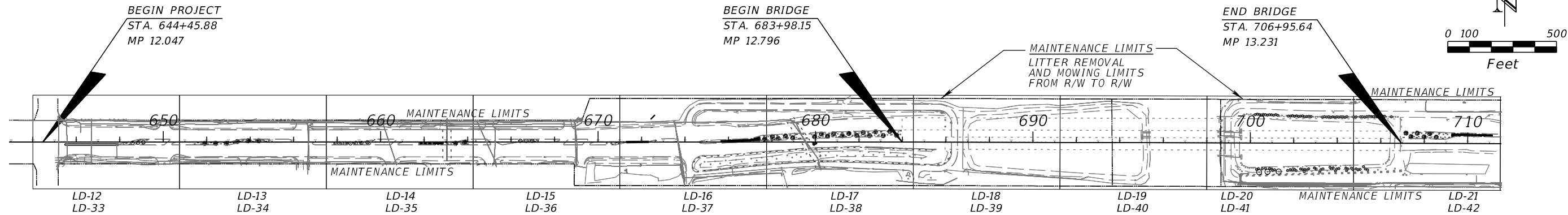
PHOENIX DATE PALM BRACING
NOT TO SCALE

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE DETAILS SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		LD-8

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GENERAL LANDSCAPE NOTES																		
<div><div>1. LAYOUTS</div><div>ALL PLANT MATERIALS SHALL BE LAID OUT IN THE FIELD A MINIMUM OF 1 WEEK PRIOR TO INSTALLATION OR AS APPROVED BY THE ENGINEER FOR REVIEW. CONTACT SUNSHINE STATE ONE-CALL AS REQUIRED BY CHAPTER 556 OF THE FLORIDA STATUTES PRIOR TO EXCAVATION OR PLANTING. NOTIFY THE ENGINEER OF ANY POSSIBLE CONFLICTS BETWEEN THE PROPOSED PLANTING LAYOUTS AND UTILITIES, BILLBOARDS, SIGNS OR OTHER STRUCTURES.</div><div>2. PLANT SUPPLEMENTS</div><div>ALL PLANT MATERIAL AND PALMS SHALL BE FERTILIZED WITH A 12 MONTH SLOW RELEASE TOP DRESSING FERTILIZER WITH A MINOR ELEMENT PACKAGE TO INCLUDE (BUT NOT LIMITED TO) CALCIUM, MAGNESIUM, SULFUR, IRON, COPPER, MANGANESE, MOLYBDENUM, ZINC AND BORON.</div><div>ALL PLANT MATERIALS SHALL BE FERTILIZED AT THE TIME OF PLANTING AND 30 DAYS PRIOR TO COMPLETION OF THE ESTABLISHMENT PERIOD. NOTIFY THE ENGINEER IN WRITING 48 HOURS IN ADVANCE OF ALL FERTILIZER APPLICATIONS.</div><div>3. HERBICIDE REQUIREMENT</div><div>ALL PRE AND POST HERBICIDAL TREATMENTS SHALL INCLUDE A TEMPORARY TRACER DYE IDENTIFIABLE FOR A MINIMUM OF 2 DAYS AFTER APPLICATION.</div><div>4. B & B PLANTING MEDIUM</div><div>BALLED AND BURLAPPED MATERIALS ARE TO BE ROOTED AND GROWN IN SIMILAR PLANTING MEDIUM AS THE SOIL CONDITIONS OF THE PROPOSED LOCATION. CLAY SOIL ROOT BALLS WILL NOT BE ACCEPTED AS SUITABLE PLANTING MEDIUM IN BALLED AND BURLAPPED PLANT MATERIAL.</div><div>ALL BALLED AND BURLAPPED MATERIALS SHALL EXHIBIT WHITE FEEDER ROOTS PROTRUDING FROM THE BURLAP AT THE TIME OF DELIVERY.</div><div>5. PLANT CONDITIONS</div><div>PLANTS THAT CALL OUT FOR A CENTRAL LEADER SHALL NOT HAVE PRESENCE OR PAST EVIDENCE OF A CENTRAL LEADER BEING PRUNED LARGER THAN A STANDARD PENCIL DIAMETER.</div><div>ALL PLANTS SHALL NOT DEMONSTRATE SIGNIFICANT EVIDENCE OF PREVIOUS CONTAINER CONFINEMENT. ANY INDICATION OF ROOT DEVELOPMENT RESTRICTION OR EXCESSIVE ROOTS EXPOSED ABOVE THE SOIL SURFACE SHALL BE GROUNDS FOR REJECTION.</div><div>ALL PLANT MATERIALS SHALL HAVE NO LICHENS, ALGAE OR FUNGI ATTACHED ON MORE THAN 10% OF PLANT.</div><div>ALL PLANT MATERIALS SHALL HAVE NO SPANISH MOSS (TILLANDSIA USNEOIDES) ON OR WITHIN PLANT CANOPY.</div><div>6. SITE CONDITIONS</div><div>NON-BIODEGRADABLE BACKING MAY HAVE BEEN UTILIZED ON EXISTING SOD. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY AND ALL EXCAVATION COSTS ASSOCIATED WITH THIS SOD.</div><div>REGRADE AND/OR REPLACE ANY SOD THAT IS DISTURBED BY THE LANDSCAPE PROJECT SUCH AS RUTTING OR TRENCHING. ALL RESTORATION OF DISTURBED AREAS SHALL BE PERFORMED WITH BERMUDA SOD UNLESS OTHERWISE DIRECTED BY THE ENGINEER; NO ADDITIONAL PAYMENT WILL BE MADE.</div><div>7. WATERING</div><div>INSTALL TEMPORARY IRRIGATION SYSTEM PRIOR TO INSTALLING PLANT MATERIALS. PLANT MATERIALS SHALL BE SYSTEMATICALLY IRRIGATED WITHIN 48 HOURS OF PLANTING.</div><div>8. WEED AND LITTER CONTROL</div><div>DURING THE PROJECT CONSTRUCTION PERIOD AND ESTABLISHMENT PERIOD, KEEP THE INDIVIDUAL PLANTING LOCATIONS, PLANTING BEDS AND TURF AREAS FREE OF LITTER AND UNDESIRABLE VEGETATION.</div><div>9. STAKING AND GUYING</div><div>REMOVE ALL STAKING AND GUYING AT THE END OF THE ESTABLISHMENT PERIOD.</div><div>10. MOWING</div><div>MOW ENTIRE PROJECT LIMITS DURING THE CONTRACT AND ESTABLISHMENT PERIOD.</div><div>11. TRIMMING</div><div>TRIM ALL TREES AS INDICATED ON THE CONTRACT DOCUMENTS. TRIM LOWER BRANCHES ONLY. ALL TRIMMING SHALL BE PERFORMED TO RAISE EXISTING TREE CANOPY TO MINIMUM OF 5' FROM GROUND LEVEL. TRIMMING SHALL BE PERFORMED PER INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) STANDARDS. ALL TRIMMING WORK SHALL BE EXECUTED PRIOR TO START OF THE ESTABLISHMENT PERIOD.</div><div>12. DELIVERY</div><div>PROVIDE 48 HOURS ADVANCE NOTICE OF DELIVERY OF PLANT MATERIALS FOR INSPECTION.</div><div>13. MULCH</div><div>MAINTAIN A 3 INCH MULCH COVER DURING INSTALLATION AND DURING THE PLANT ESTABLISHMENT PERIOD.</div><div>14. THIS PROJECT IS WITHIN THE LIMITS OF THE DEPARTMENT'S PHASE 1 - NPDES PERMIT. PART OF THE PERMIT REQUIRES CONTRACTORS APPLYING FERTILIZER TO BE TRAINED THROUGH THE GREEN INDUSTRY BMP PROGRAM AND TO HAVE OBTAINED LIMITED CERTIFICATION FOR URBAN LANDSCAPING COMMERCIAL FERTILIZER APPLICATION.</div></div> <div><div>15. PLAN DEVIATIONS</div><div>INSTALL ROOTBALLS OF TREES AND PALMS A MINIMUM OF 5 FEET FROM UNDERGROUND UTILITIES. INSTALL NO MATERIALS THAT WILL BLOCK OR CREATE CONFLICTS WITH:</div><div>A) SIGNS;</div><div>B) GATES;</div><div>C) LIGHTS;</div><div>D) BILLBOARDS;</div><div>E) ACCESS WAYS;</div><div>F) FIRE HYDRANTS;</div><div>G) ELECTRIC COMPANIES REQUIREMENTS FOR SETBACKS OF PLANT MATERIALS FROM POWER LINES;</div><div>H) OVERHEAD AND UNDERGROUND STRUCTURES AND UTILITIES;</div><div>I) ANZI Z 133 UTILITY CLEARANCE REQUIREMENTS; AND</div><div>J) FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS.</div><div>NOTIFICATION OF THE ENGINEER IS REQUIRED WHEN THESE ISSUES ARE ENCOUNTERED, FIELD ADJUSTMENTS REQUIRE APPROVAL BY THE ENGINEER.</div><div>16. PLANT MATERIAL RELOCATION</div><div>A) NOTIFY THE ENGINEER PRIOR TO BEGINNING ANY PLANT MATERIAL RELOCATION ACTIVITIES.</div><div>B) RELOCATE PLANT MATERIALS FROM THEIR PRESENT LOCATION TO THE LANDSCAPE AREAS NOTED ON THE PLANS.</div><div>C) TREE NUMBER TAGS - PRIOR TO ANY PLANT MATERIAL RELOCATION ACTIVITIES, ATTACH A TAG TO EACH PLANT TO BE RELOCATED WITH A DIFFERENT NUMBER, THE TREE NUMBER TAG SHALL NOT CAUSE INJURY TO THE PLANT MATERIAL. REMOVE TAGS AT THE END OF THE ESTABLISHMENT PERIOD.</div><div>D) PRUNING - SABAL PALMS MAY BE "HURRICANE CUT". FRONDS LEFT ON PALMS SHALL BE TIED UP PRIOR TO TRANSPORT, THEN REMOVED IMMEDIATELY AFTER INSTALLATION.</div><div>E) ROOT PRUNING - SABAL PALMS MAY BE RELOCATED IMMEDIATELY AFTER ROOT PRUNING. ANY ROOT PRUNED PLANT MATERIALS NOT RELOCATED IMMEDIATELY SHALL BE BRACED IN PLACE PER DESIGN DETAILS AND SPECIFICATIONS. ROOT PRUNE BY HAND DIGGING, TREE SPADE OR BY TRENCHER WITH ROOT PRUNING SAW ONLY. PRUNE MINIMUM OF 12" FROM THE PALM TRUNK.</div><div>F) TRANSPLANTING PLANT MATERIAL - RELOCATED PLANT MATERIALS SHALL BE INSTALLED WITHIN 24 HOURS AFTER REMOVAL FROM ORIGINAL LOCATION. INSTALL PLANT MATERIALS IN ACCORDANCE WITH DESIGN STANDARDS AND SPECIFICATIONS.</div><div>G) RELOCATED PLANT MATERIALS SHALL RECEIVE SUPPLEMENTAL WATERING TO ENSURE PROPER ROOT REGENERATION AFTER TRANSPLANTING OPERATIONS.</div><div>H) RELOCATED PLANT MATERIALS WHICH ARE DEAD, DAMAGED OR HAVE MORE THAN 20% DIEBACK DURING THE ESTABLISHMENT PERIOD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REPLACEMENT MATERIALS SHALL BE THE SAME SPECIES AND SIZE.</div><div>17.SOIL BACKFILL</div><div>SOIL BACKFILL BY VOLUME FOR PLANT MATERIALS OTHER THAN PHOENIX SPECIES:</div><div>50% IMPORTED TOPSOIL - FERTILE, FRIABLE SOIL CONTAINING LESS THAN 5% TOTAL VOLUME OF THE COMBINATION OF SUBSOIL, REFUSE, ROOTS LARGER THAN 1 INCH DIAMETER, HEAVY, STICKY OR STIFF CLAY, STONES LARGER THAN 2 INCHES IN DIAMETER, NOXIOUS SEEDS, STICKS, BRUSH, LITTER, OR ANY SUBSTANCES DELETERIOUS TO PLANT GROWTH. PERCENT (%) OF THE ABOVE OBJECTS CONTROLLED BY SOURCE SELECTION, NOT BY SCREENING THE SOIL. TOPSOIL SUITABLE TO SUPPORT VEGETATIVE GROWTH. NOT CONTAIN WEED SEEDS IN QUANTITIES THAT CAUSE NOTICEABLE WEED INFESTATIONS IN THE FINAL PLANTING BEDS. IMPORTED TOPSOIL TO MEET THE FOLLOWING PHYSICAL AND CHEMICAL CRITERIA:</div><div>A) SOIL TEXTURE: USDA SANDY LOAM.</div><div>B) PH VALUE SHALL BE BETWEEN 5.5 AND 7.0.</div><div>C) PERCENT ORGANIC MATTER (OM): 2.0-5.0%, BY DRY WEIGHT.</div><div>D) SOLUBLE SALT LEVEL: LESS THAN 2 MMHO/CM.</div><div>E) SOIL CHEMISTRY SUITABLE FOR GROWING THE PLANTS SPECIFIED.</div><div>F) HARVESTED FROM FIELDS OR DEVELOPMENT SITES. ORGANIC CONTENT AND PARTICLE SIZE DISTRIBUTION A RESULT OF NATURAL SOIL FORMATION. MANUFACTURED SOILS WHERE COARSE SAND, COMPOSTED ORGANIC MATERIAL OR CHEMICAL ADDITIVES HAS BEEN ADDED TO THE SOIL TO MEET THE REQUIREMENTS OF THIS SPECIFICATION SECTION ARE NOT ACCEPTABLE.</div><div>SUBMIT SOIL TEST FOR EACH SOURCE UTILIZED.</div><div>25% COARSE SAND - CLEAN, WASHED, SAND, FREE OF TOXIC MATERIALS</div><div>A) COARSE CONCRETE SAND, ASTM C-33 FINE AGGREGATE, WITH A FINES MODULUS INDEX OF 2.8 AND 3.2.</div><div>B) CLEAN, SHARP, NATURAL COARSE SANDS FREE OF LIMESTONE, SHALE AND SLATE PARTICLES. MANUFACTURED COARSE SAND NOT PERMITTED.</div><div>C) PH BE LOWER THAN 7.0.</div><div>D) SAND WITH THE FOLLOWING PARTICLE SIZE DISTRIBUTION:</div><div><table><tr><th>SIEVE</th><th>PERCENT PASSING</th></tr><tr><td>3/8 INCH (9.5 MM)</td><td>100</td></tr><tr><td>NO 4 (4.75 MM)</td><td>95-100</td></tr><tr><td>NO 8 (2.36 MM)</td><td>80-100</td></tr><tr><td>NO 16 (1.18 MM)</td><td>50-85</td></tr><tr><td>NO 30 (.60 MM)</td><td>25-60</td></tr><tr><td>NO 50 (.30 MM)</td><td>10-30</td></tr><tr><td>NO 100 (.15 MM)</td><td>2-10</td></tr><tr><td>NO 200 (0.75 MM)</td><td>2-5</td></tr></table></div><div>25% EXISTING SOIL REMOVE ROCKS, STICKS OR OTHER DELETERIOUS MATERIAL GREATER THAN 1"IN ANY DIRECTION PRIOR TO BACKFILLING. WATER AND TAMP TO REMOVE AIR POCKETS. CONTACT ENGINEER PRIOR TO PLANTING IF EXISTING SOILS CONTAIN EXCESSIVE SAND, CLAY OR OTHER MATERIALS NOT CONDUCIVE TO PROPER PLANT GROWTH.</div><div>18. THIS PROJECT IS WITHIN THE LIMITS OF A PREVIOUS LANDSCAPE AND IRRIGATION INSTALLATION. MODIFY, REPAIR, REMOVE OR CAP EXISTING IRRIGATION AS REQUIRED.</div></div>	SIEVE	PERCENT PASSING	3/8 INCH (9.5 MM)	100	NO 4 (4.75 MM)	95-100	NO 8 (2.36 MM)	80-100	NO 16 (1.18 MM)	50-85	NO 30 (.60 MM)	25-60	NO 50 (.30 MM)	10-30	NO 100 (.15 MM)	2-10	NO 200 (0.75 MM)	2-5
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NO 200 (0.75 MM)	2-5																	

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REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		LD-10

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.

2. UTILITY/AGENCY OWNERS:

UTILITY OWNERS CONTACT INFORMATION

AT&T FLORIDA.....800.252.1133
COMCAST.....904.380.6274
FPL FIBERNET.....866.553.4237
JEA ELEC/FIBER.....904.665.6000
JEA W/WW.....904.665.4801
LEVEL 3.....904.813.2063
MCI/VERIZON.....800.624.9675
TECO PEOPLE GAS.....877.832.6747
CITY OF JACKSONVILLE TRAFFIC.....904.255.7553
TW TELECOM.....904.545.8541
CITY OF JAX BEACH.....904.247.6241
BEACHES ENERGY SERVICES.....904.247.6241

3. IN ACCORDANCE WITH FDOT SPECIFICATIONS 8-6.4, SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:

- A. THURSDAY BEFORE THROUGH THE CLOSE OF TPC GOLF TOURNAMENT
- B. FRIDAY BEFORE THROUGH THE SUNDAY AFTER THE FLORIDA-GEORGIA GAME
- C. THE DAY OF THE JAGUAR HOME FOOTBALL GAMES (PRESEASON, REGULAR INCLUDING MONDAY AND THURSDAY NIGHT AND POSTSEASON)
- D. THE DAY BEFORE THROUGH THE DAY AFTER THE GATOR BOWL
- E. THE DAY BEFORE THROUGH THE DAY AFTER THE GREATER JACKSONVILLE AGRICULTURAL FAIR
- F. DONNA HICKEN BREAST CANCER MARATHON
- G. OPENING WEEKEND AT THE BEACHES

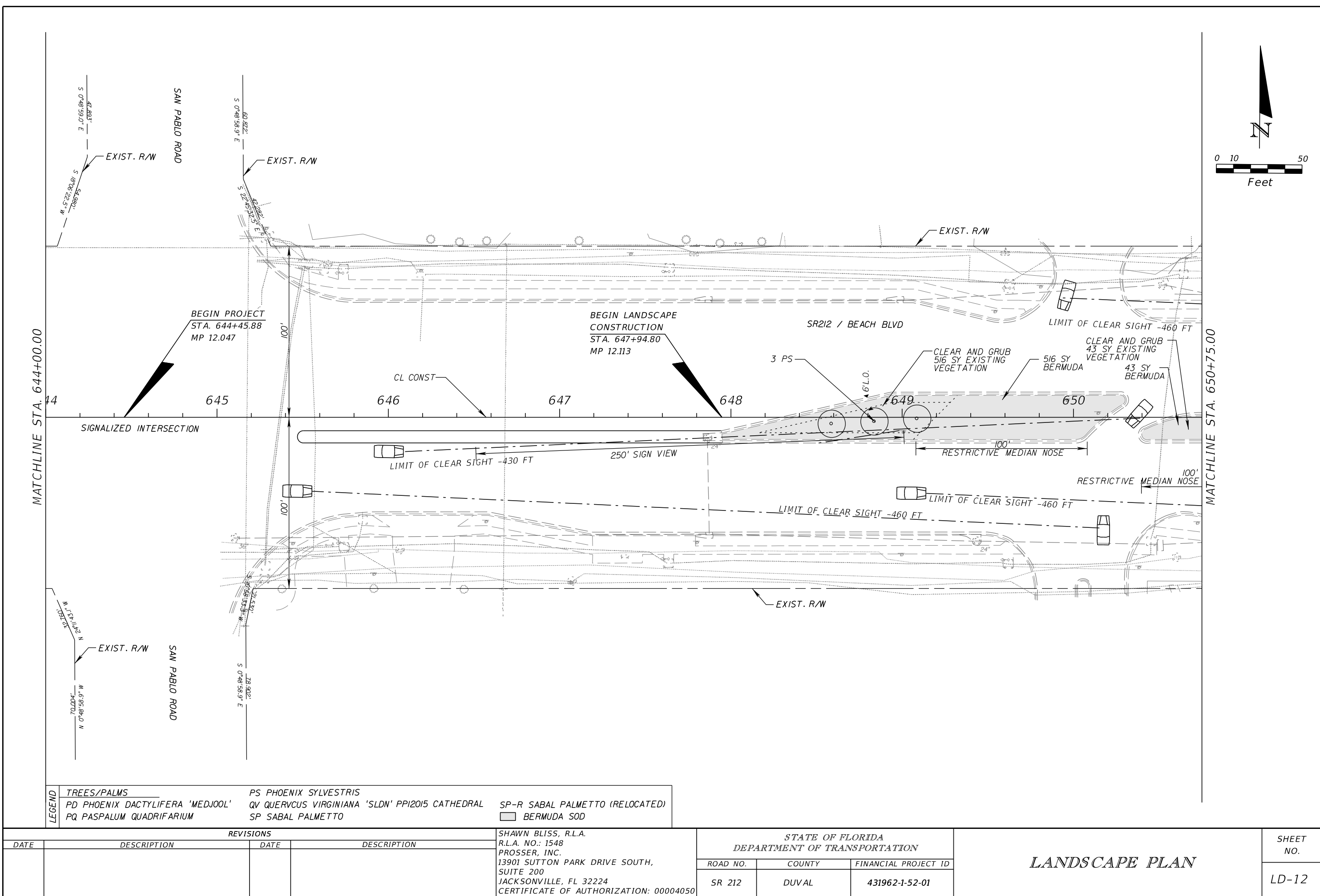
4. BILLBOARD OWNERS

CONTACT INFORMATION

CLEAR CHANNEL
MR. STEWART HOWE
CLEAR CHANNEL OUTDOOR - JAX
11700 CENTRAL PARKWAY, SUITE 100
JACKSONVILLE, FL 32224
904-996-0442 OFFICE
EMAIL: STEWARTHOWE@CLEARCHANNEL.COM

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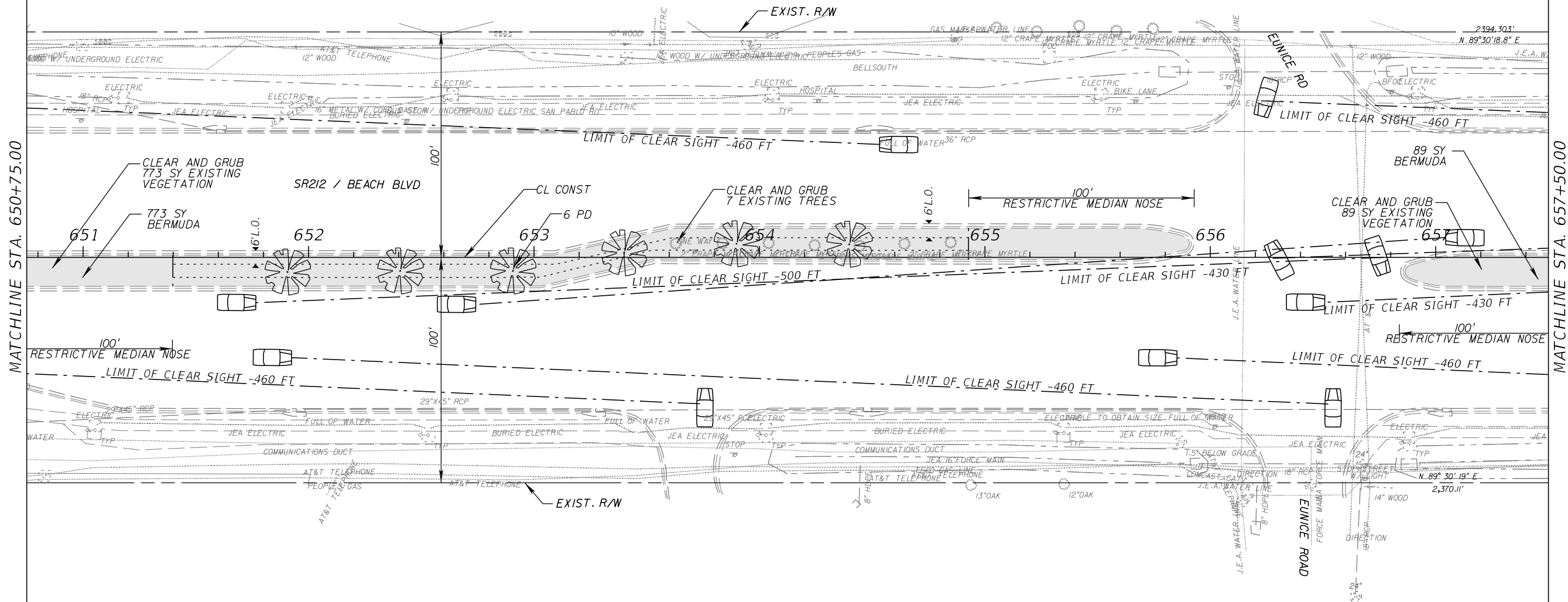
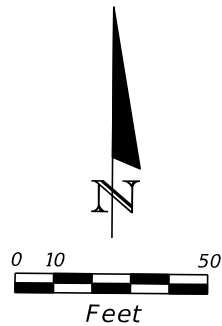


LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP SABAL PALMETTO
		SP-R SABAL PALMETTO (RELOCATED)

BERMUDA SOD

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
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									LD-12

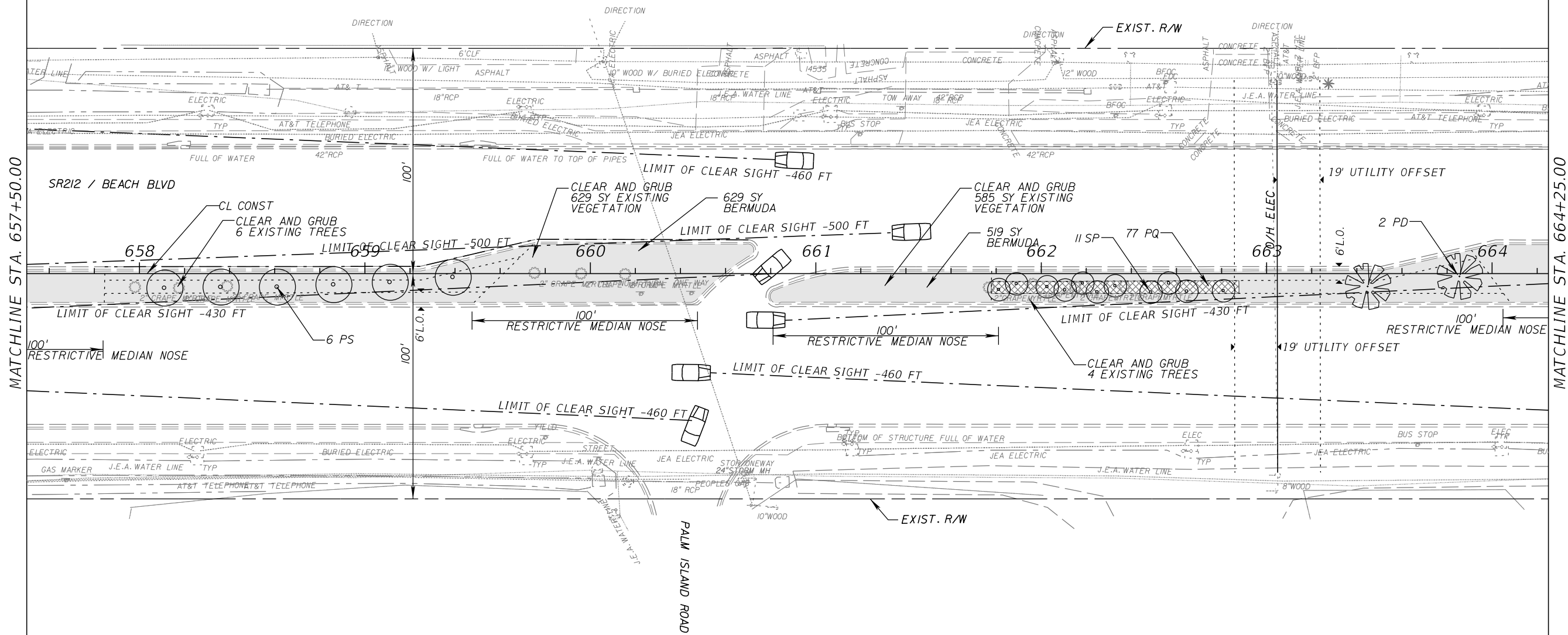
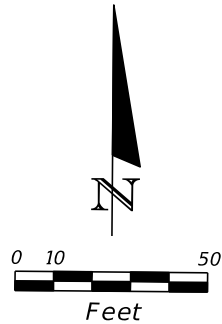
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LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
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	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
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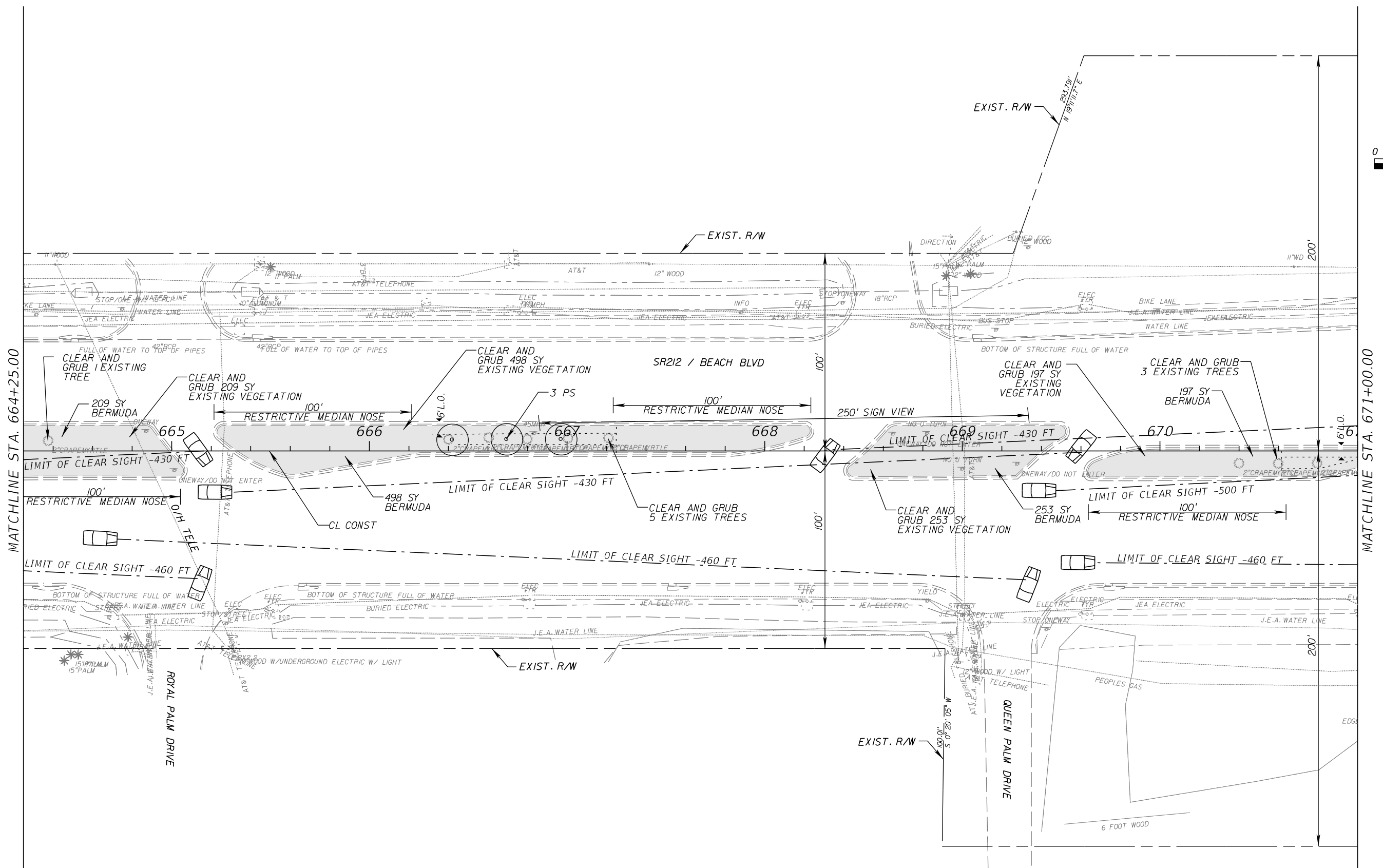
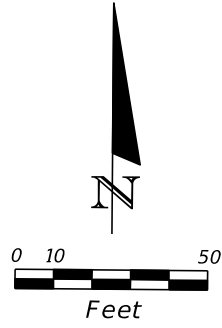
LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
		BERMUDA SOD

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN		SHEET NO. LD-14
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SHAWN BLISS, R.L.A.
R.L.A. NO.: 1548
PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH,
SUITE 200
JACKSONVILLE, FL 32224
CERTIFICATE OF AUTHORIZATION: 00004050

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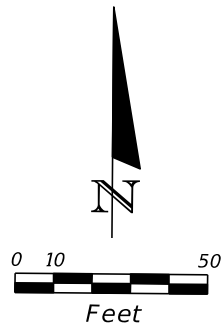
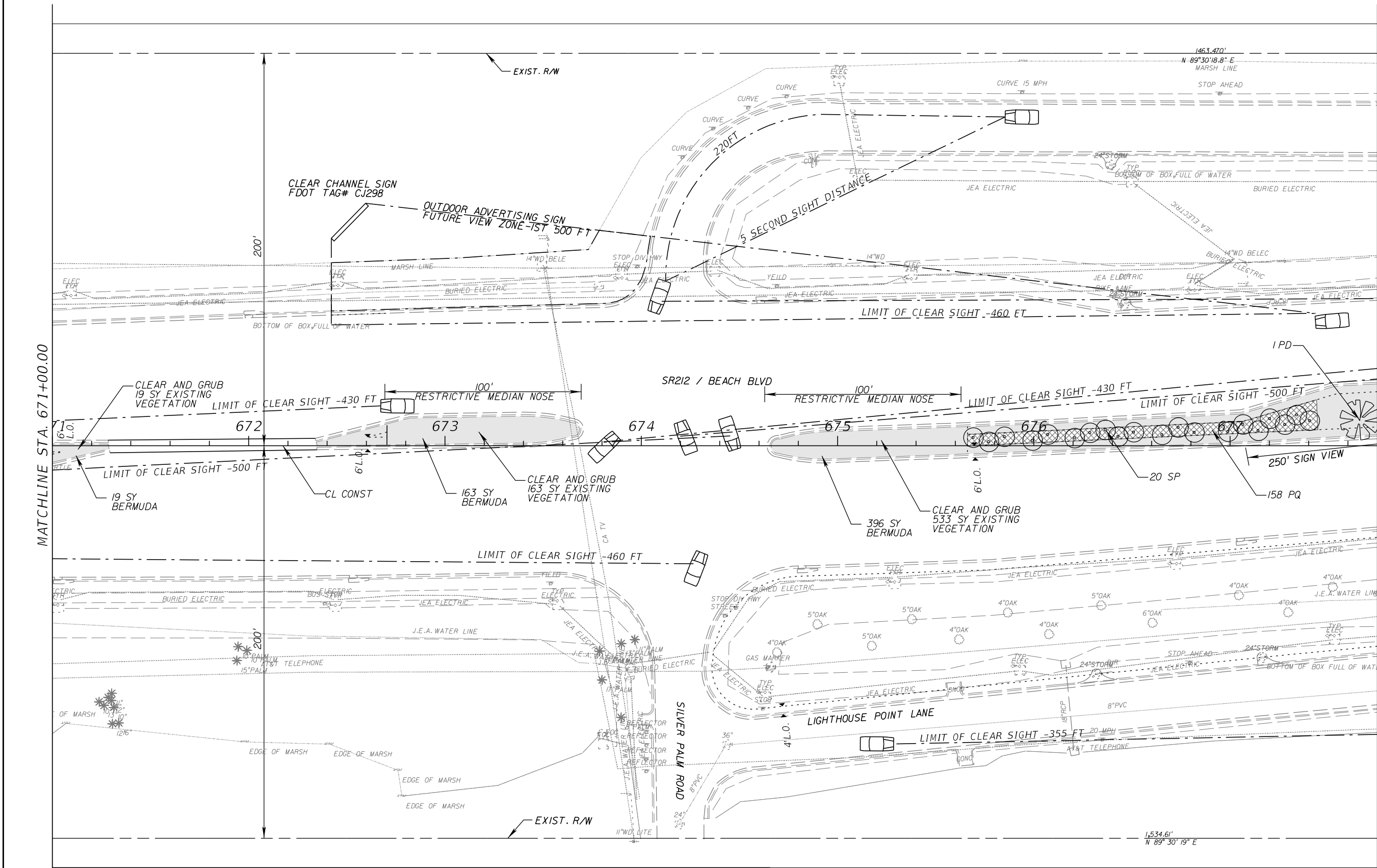
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LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
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	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
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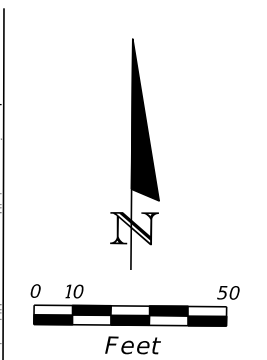
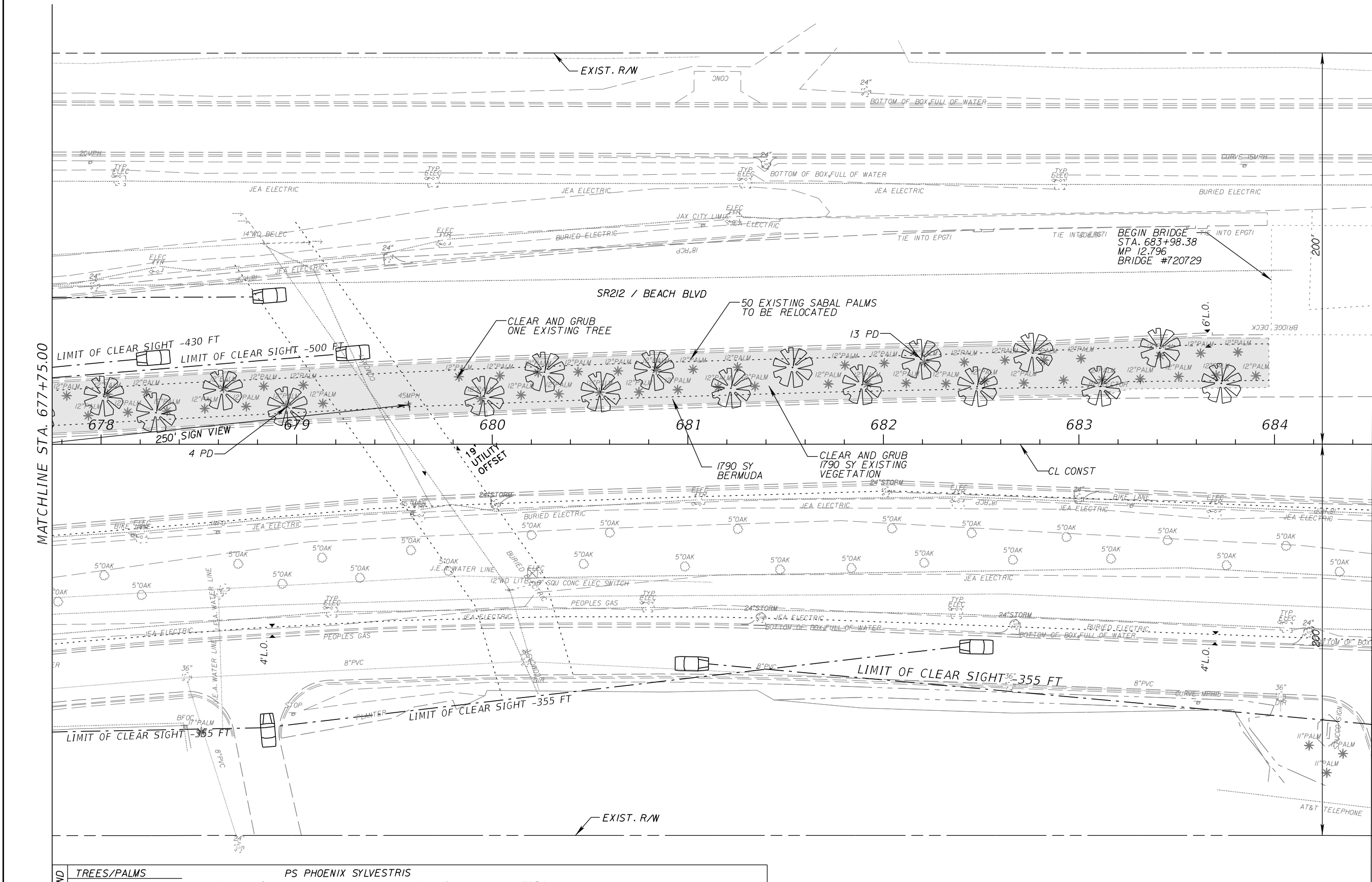
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LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
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	PQ PASPALUM QUADRIFARIUM	SP SABAL PALMETTO
		SP-R SABAL PALMETTO (RELOCATED)
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		

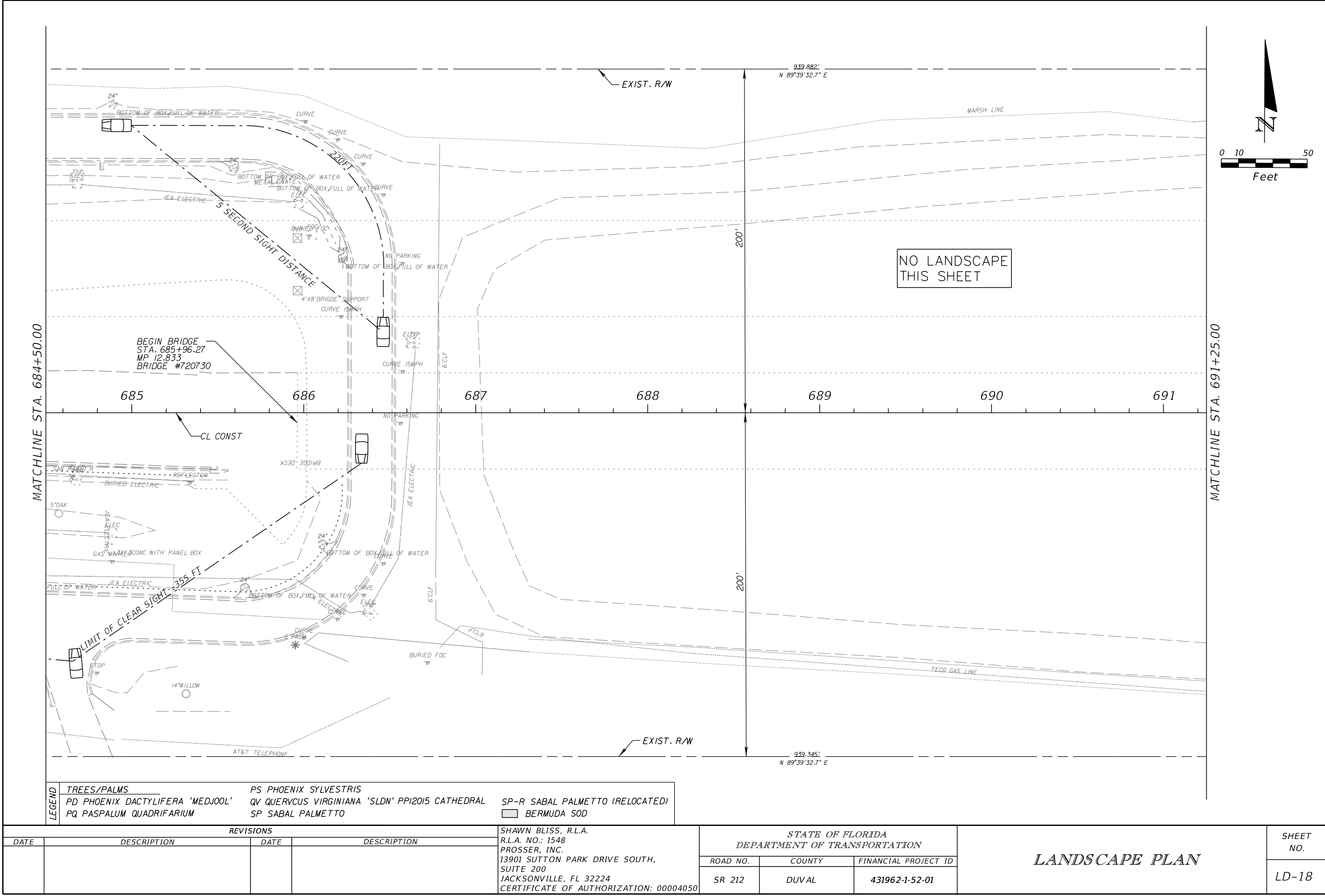
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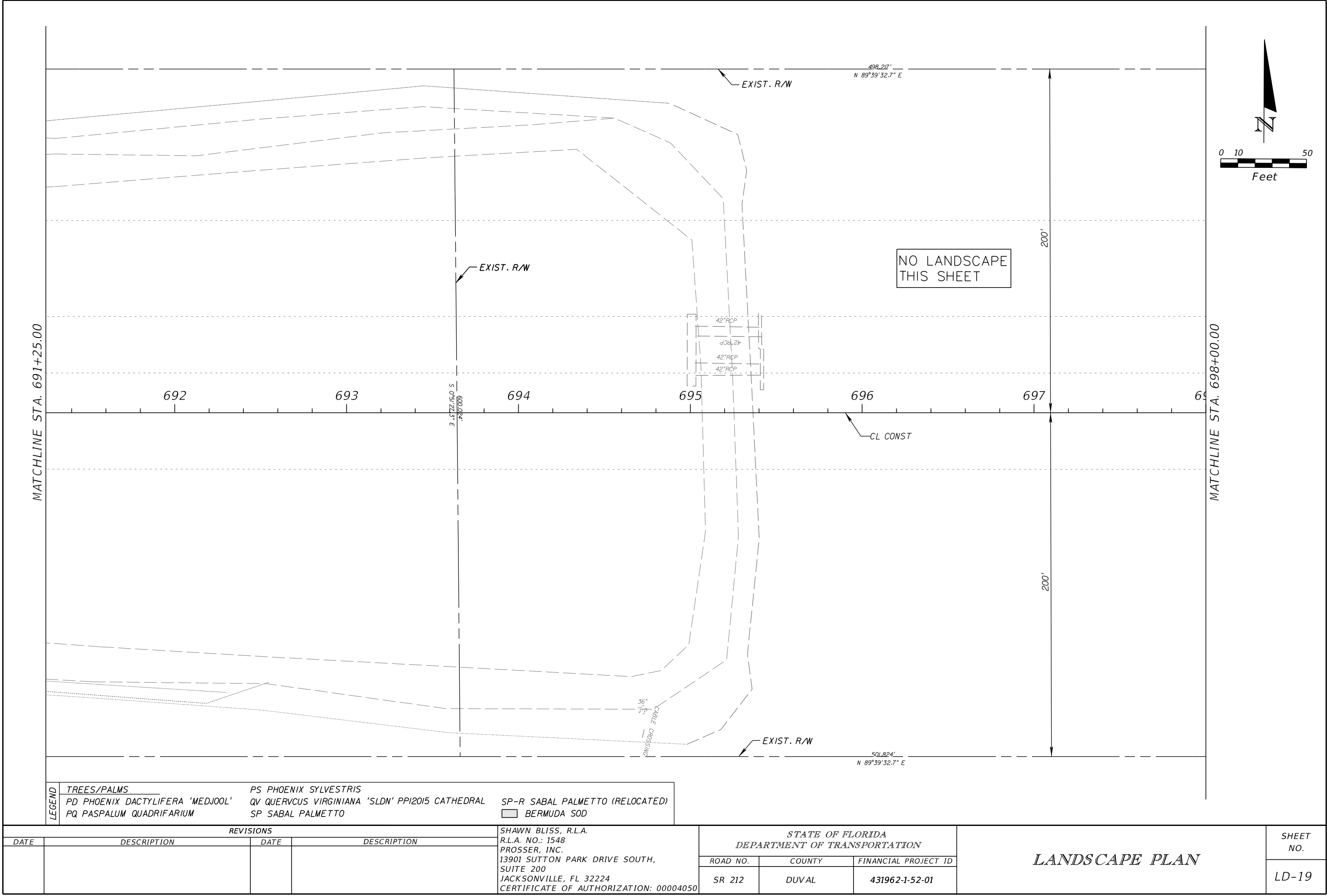


LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
		BERMUDA SOD

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050				ROAD NO. SR 212	COUNTY DUVAL	FINANCIAL PROJECT ID 431962-1-52-01	LD-17

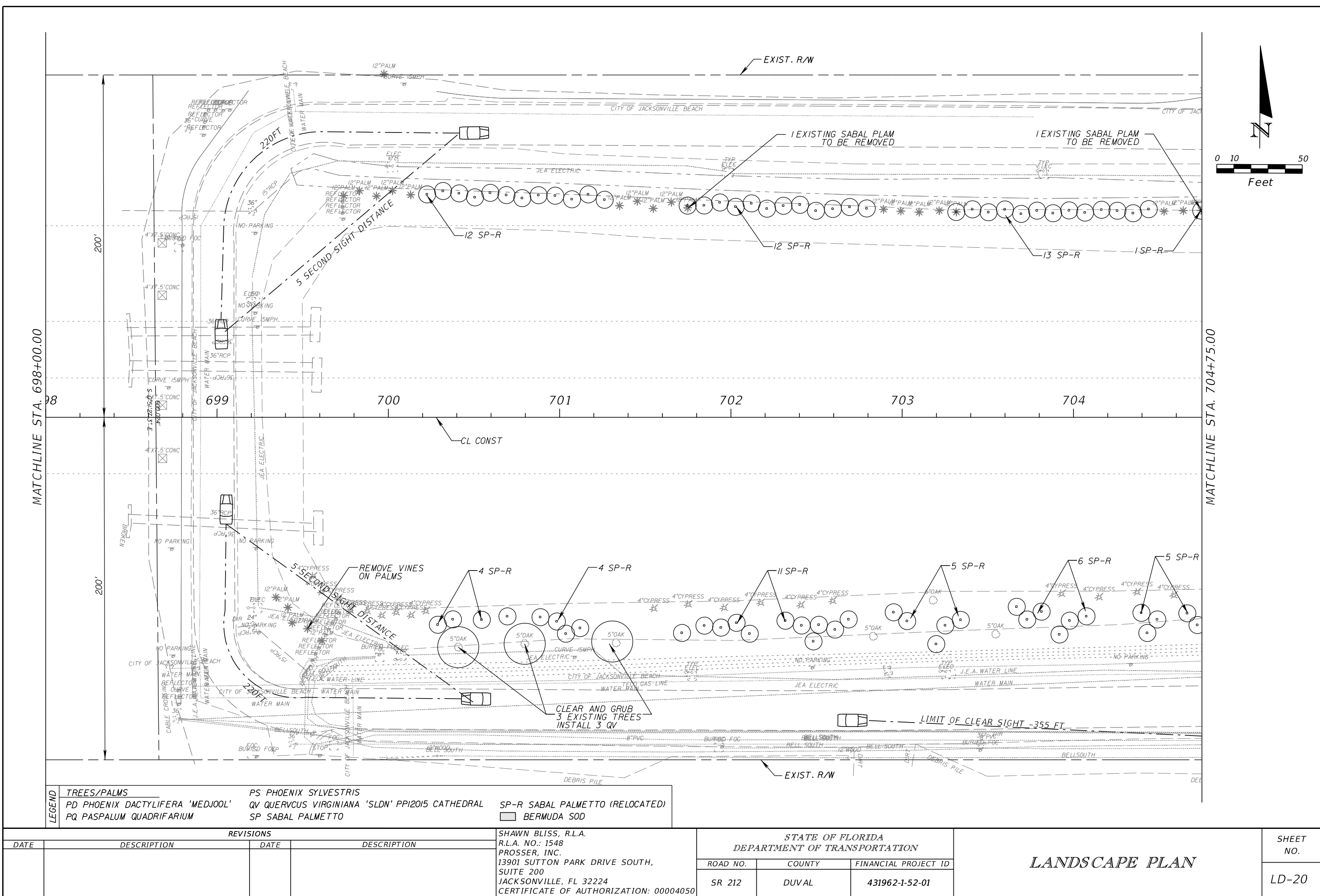
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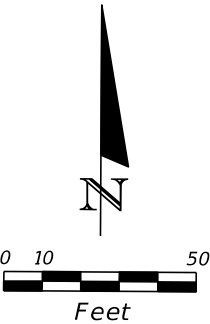
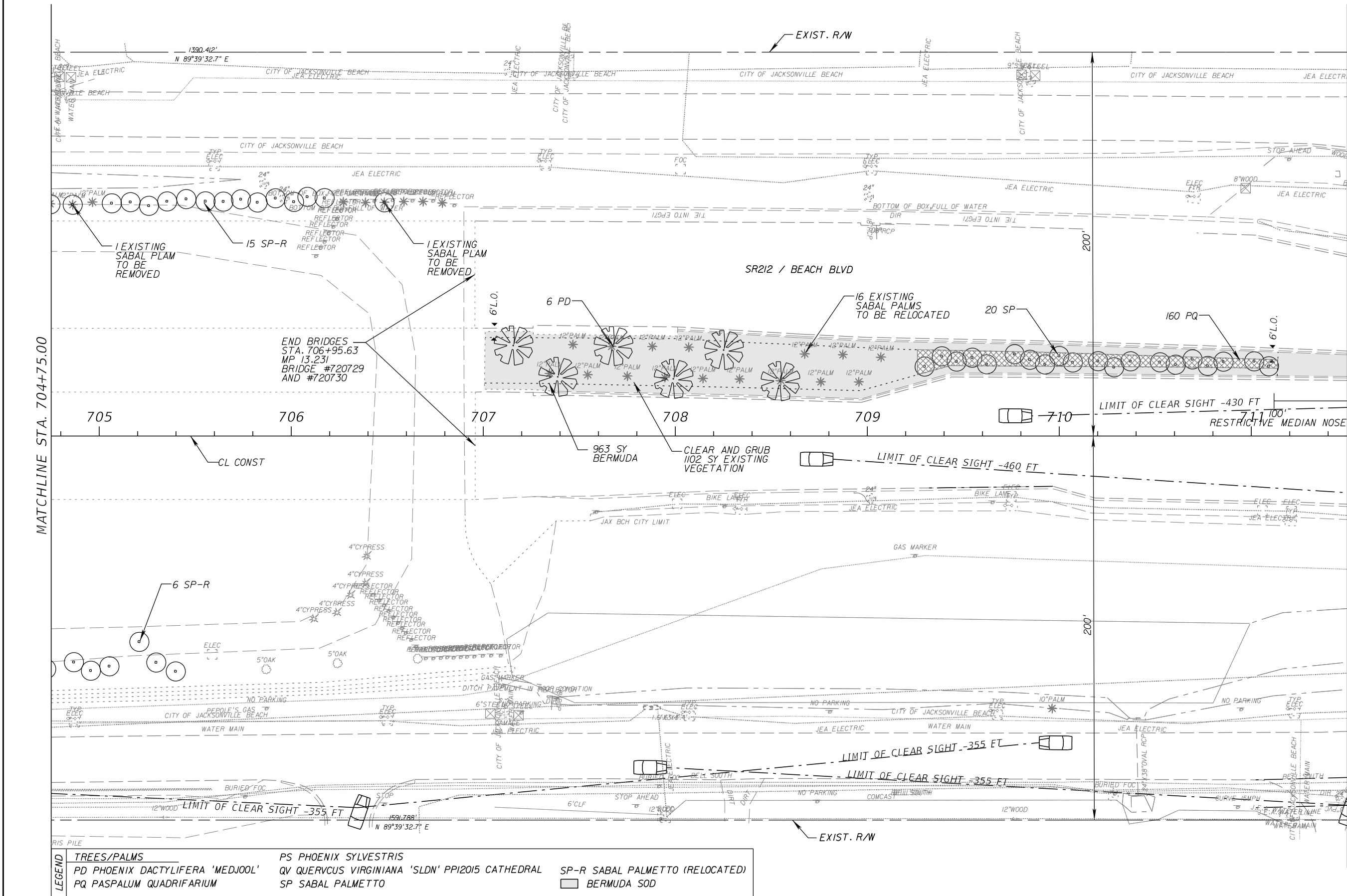


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REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-19
					SR 212	DUVAL	431962-1-52-01		

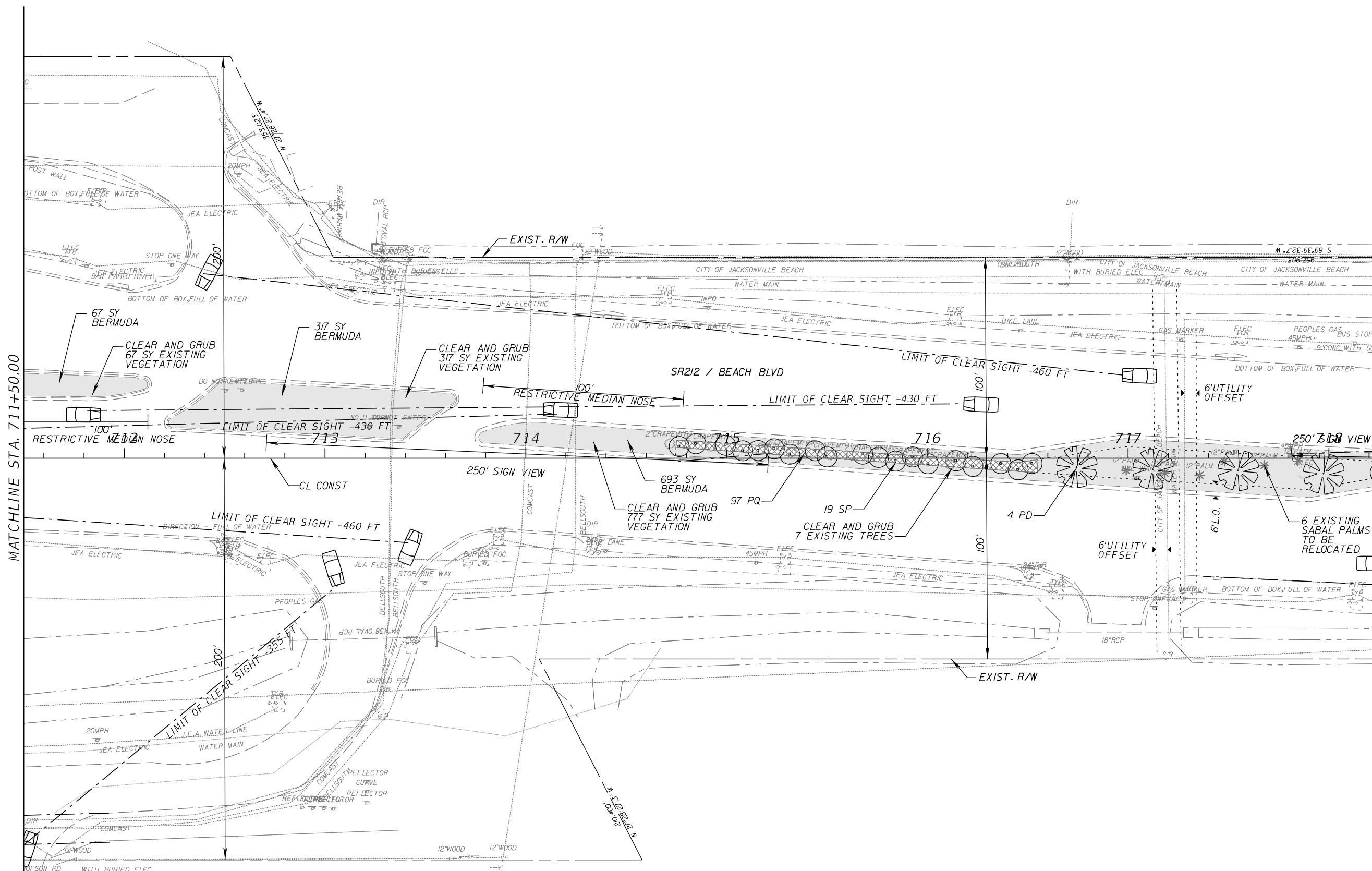


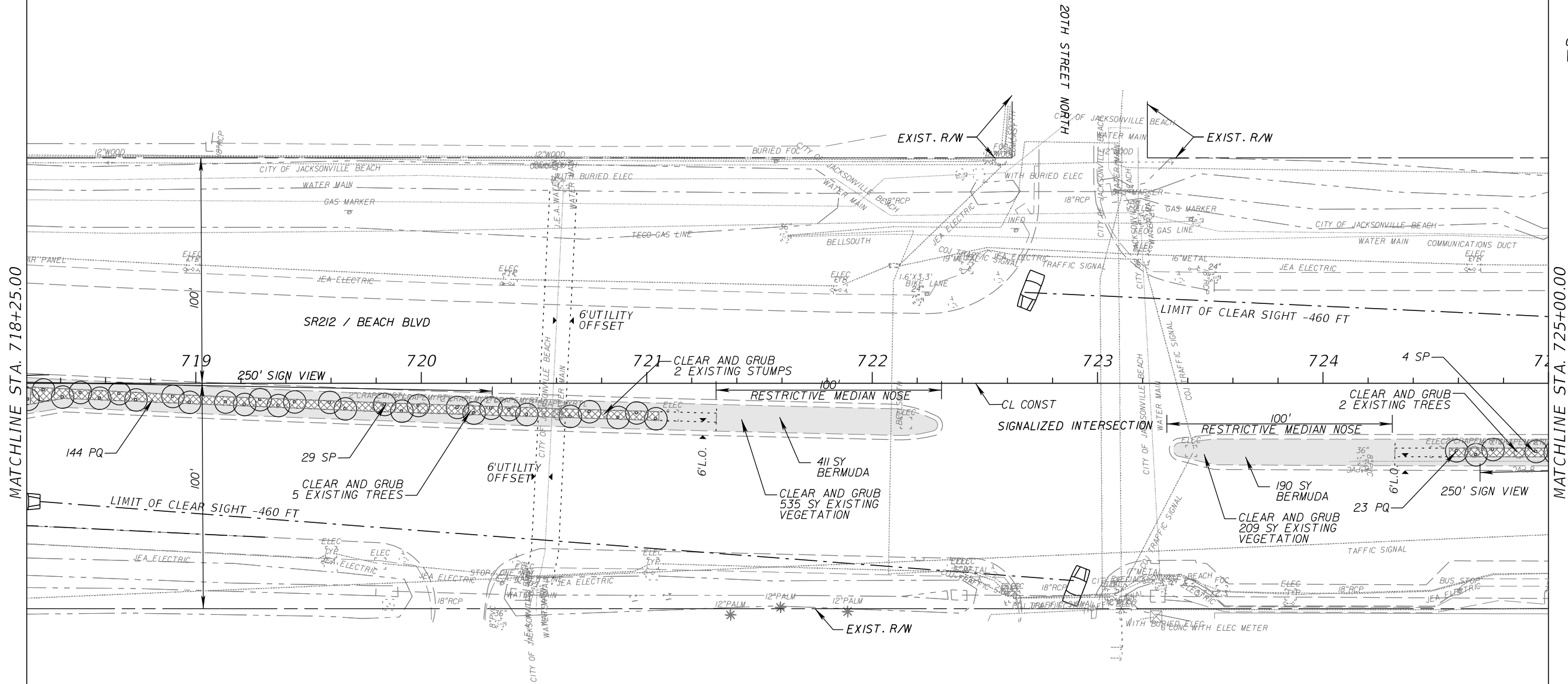
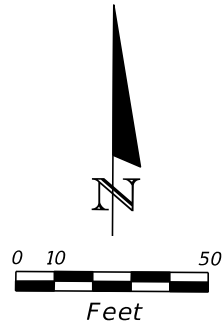
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REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. LD-21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		

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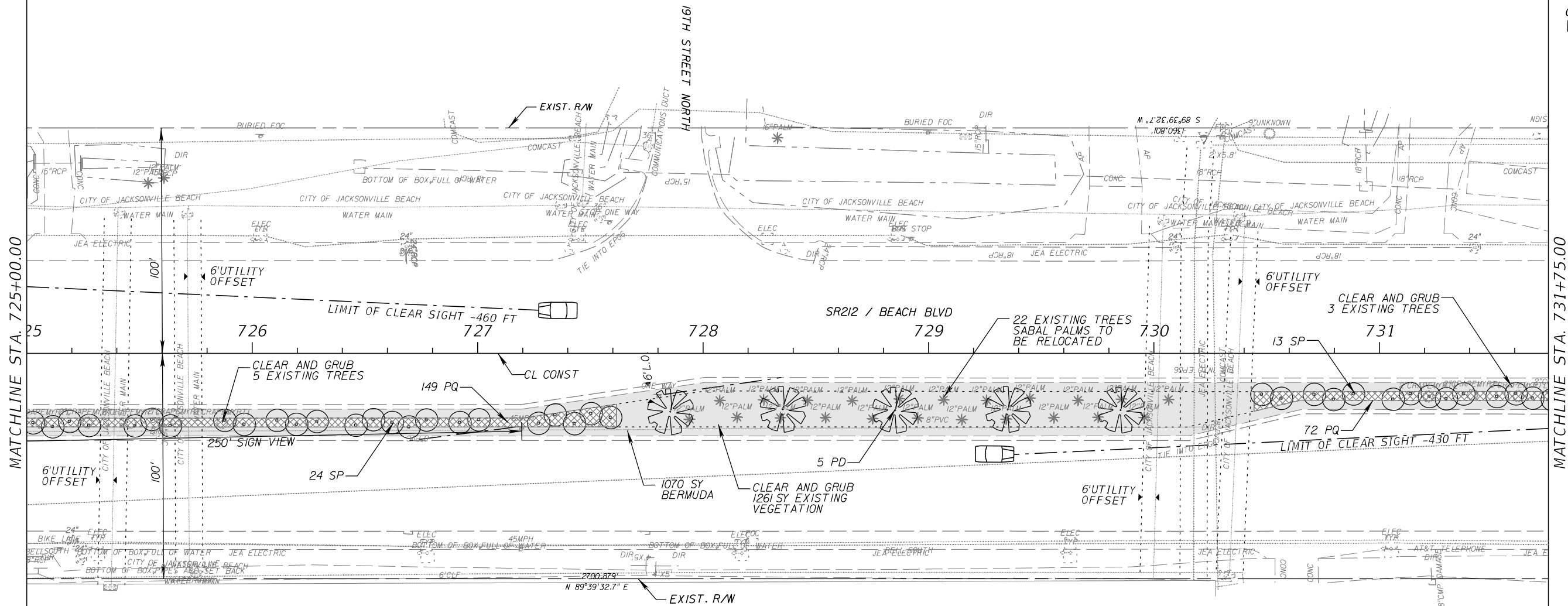
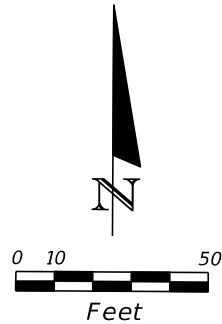


LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
		BERMUDA SOD

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	LD-23
				SR 212	DUVAL	431962-1-52-01	

SHAWN BLISS, R.L.A.
R.L.A. NO.: 1548
PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH,
SUITE 200
JACKSONVILLE, FL 32224
CERTIFICATE OF AUTHORIZATION: 00004050

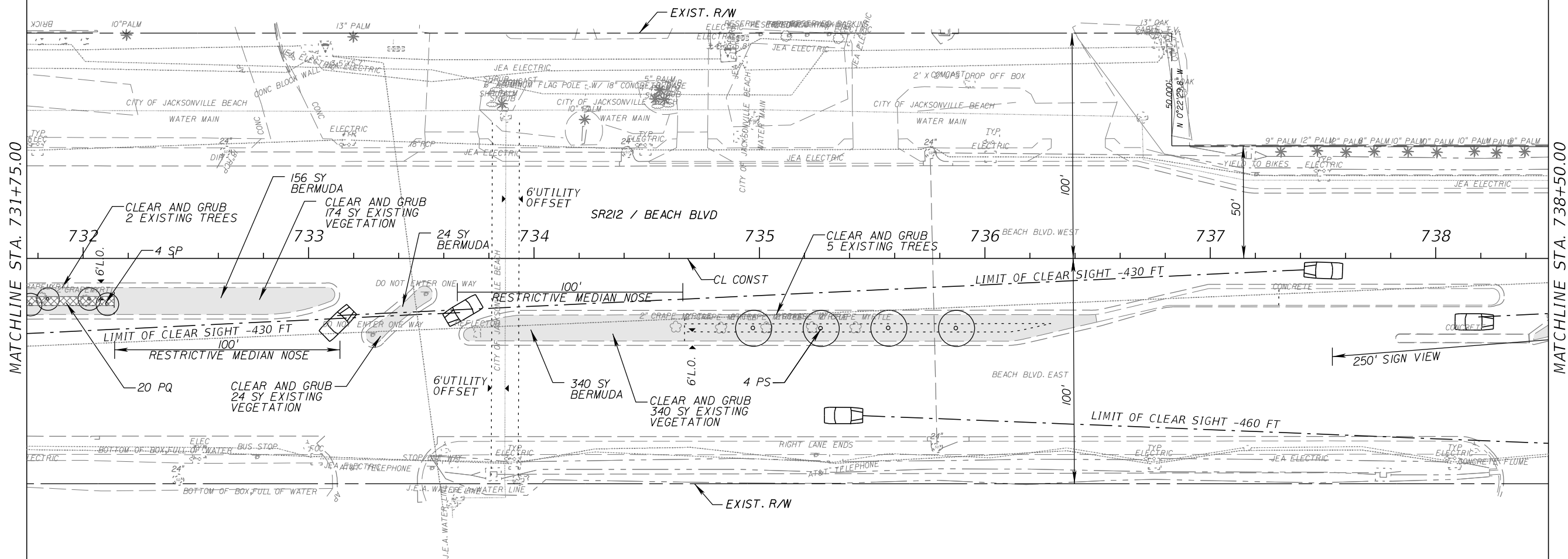
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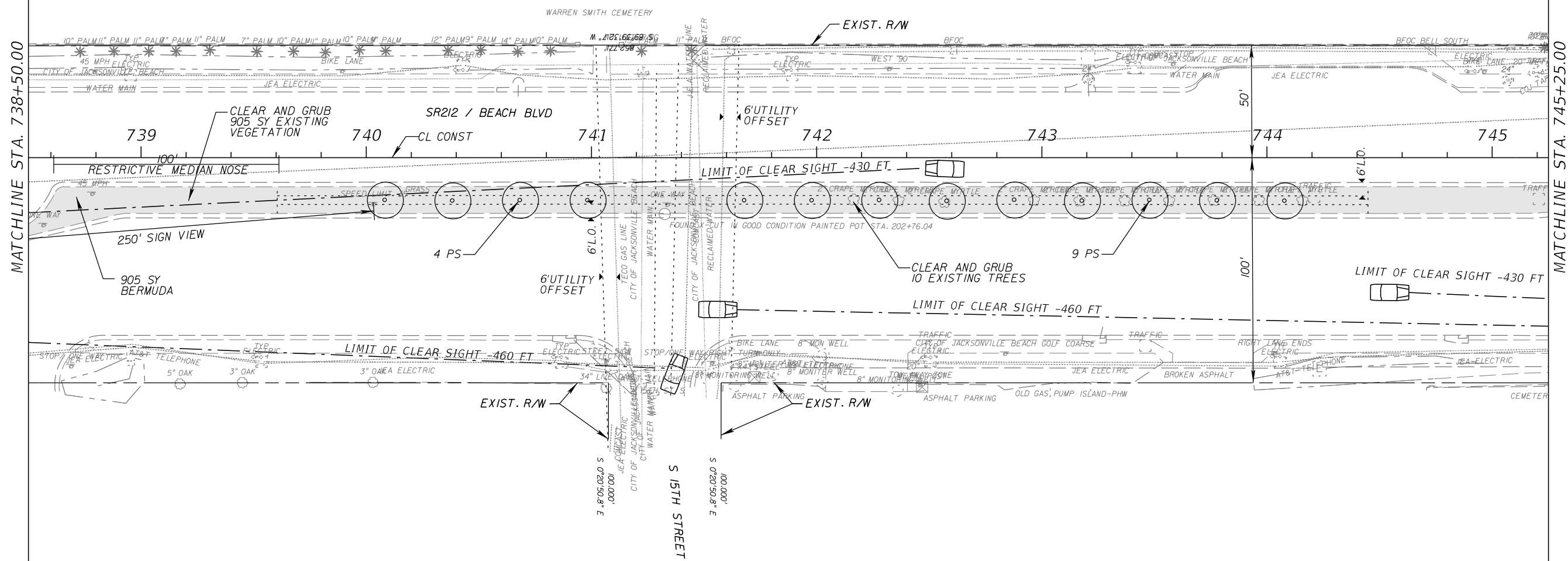
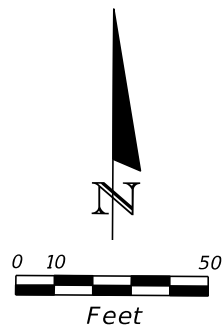
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	PQ PASPALUM QUADRIFARIUM		SP SABAL PALMETTO	BERMUDA SOD


REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO. LD-24
DATE	DESCRIPTION		DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		

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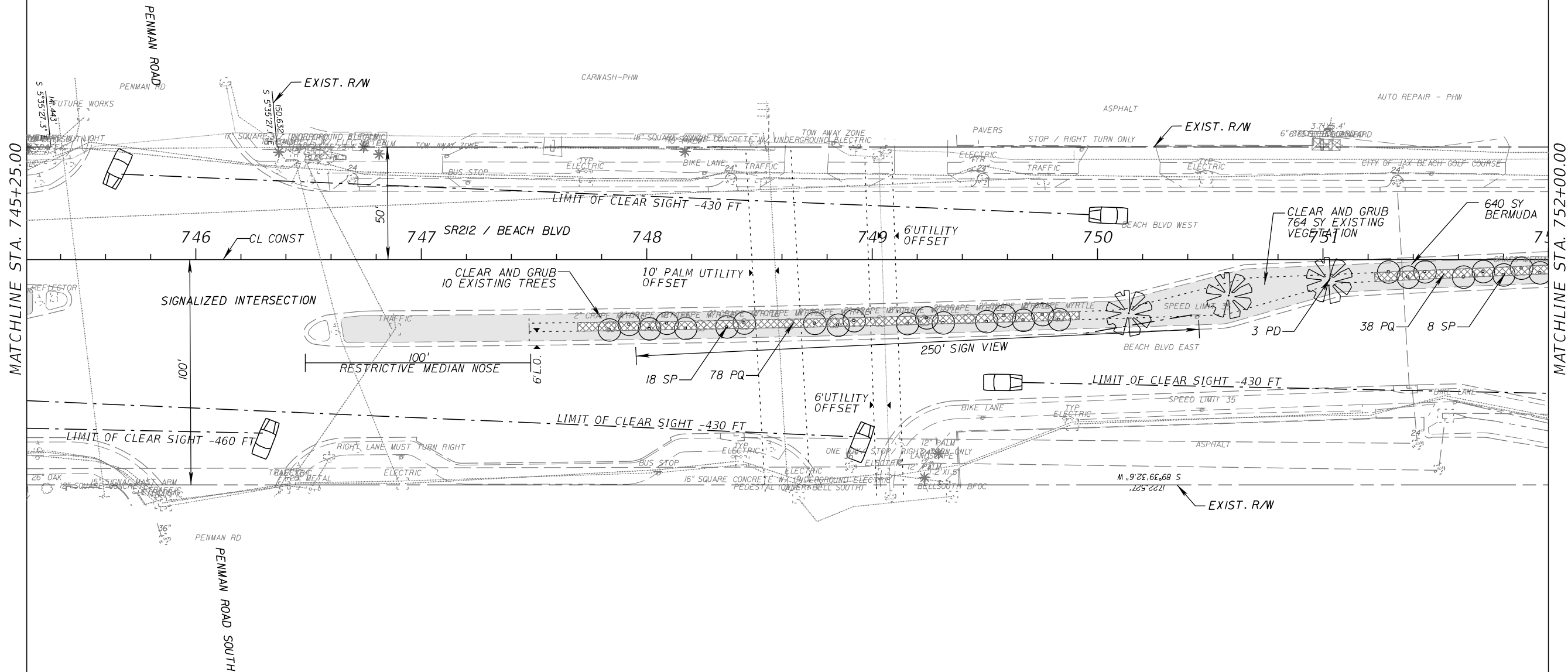
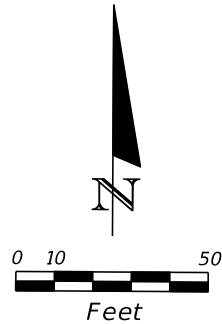
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LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS	
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL	SP-R SABAL PALMETTO (RELOCATED)
	PQ PASPALUM QUADRIFARIUM	SP SABAL PALMETTO	 BERMUDA SOD

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>LANDSCAPE PLAN</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		LD-26

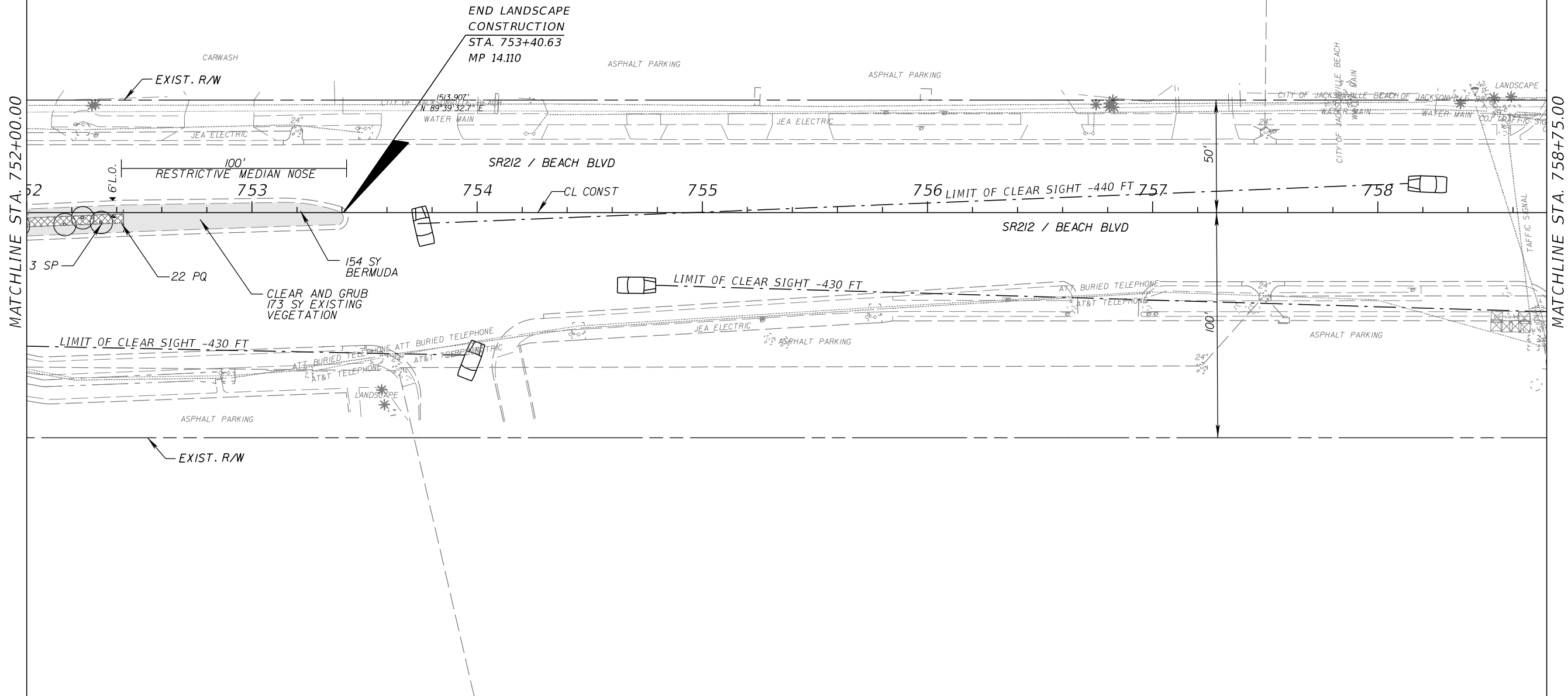
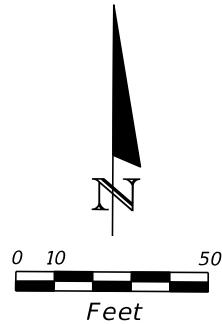
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LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
		BERMUDA SOD

REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		
									LD-27

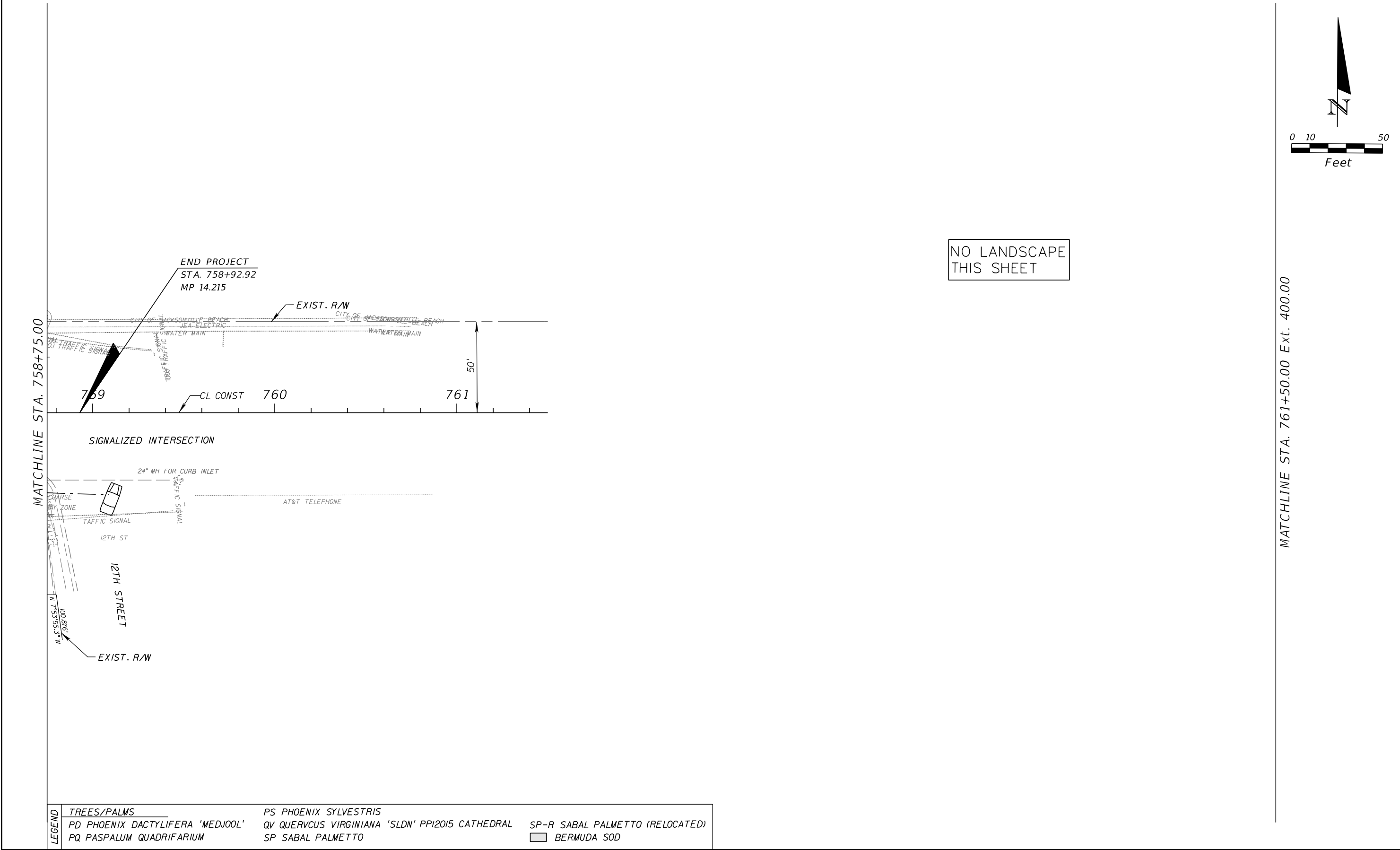
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LEGEND	TREES/PALMS	PS PHOENIX SYLVESTRIS
	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
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REVISIONS				SHAWN BLISS, R.L.A. R.L.A. NO.: 1548 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		LD-28

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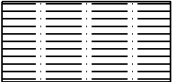








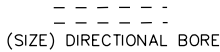
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	PD PHOENIX DACTYLIFERA 'MEDJOL'	QV QUERVCUS VIRGINIANA 'SLDN' PPI2015 CATHEDRAL
	PQ PASPALUM QUADRIFARIUM	SP-R SABAL PALMETTO (RELOCATED)
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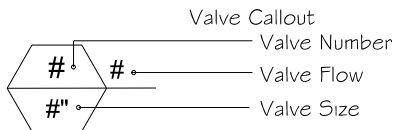
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN
DATE	DESCRIPTION	DATE	DESCRIPTION				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 212	DUVAL	431962-1-52-01	LD-29

SHAWN BLISS, R.L.A.
R.L.A. NO.: 1548
PROSSER, INC.
13901 SUTTON PARK DRIVE SOUTH,
SUITE 200
JACKSONVILLE, FL 32224
CERTIFICATE OF AUTHORIZATION: 00004050

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

IRRIGATION SCHEDULE POTABLE WATER METER



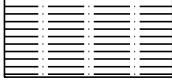









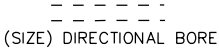
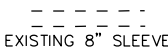
SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	Pressure Compensating Flood Bubbler	31	360	30	0.25	1'
	Two Pressure Compensating Flood Bubbler	37	360	30	2x.25	1'
	Area to Receive Dripline On-Surface Pressure Compensating Landscape Dripline. 0.9GPH emitters at 12.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for triangular pattern. UV Resistant.	1,500				
	Remote Control Valve 1" in 12" Valve Box	2				
	Remote Control Valve 1" in 12" Valve Box and Pressure Regulator 40 psi and Filter 1" in 12" Valve Box	1				
	Battery Operated Irrigation Controller 4 Stations	1				
	Rain and Freeze Sensor located in an exposed location to detect moisture	1				
	Potable Water Meter 1"	1				
	Reduced Principal Backflow Device 1"	1				
	Irrigation Lateral Line: PVC Class 200 Solvent Weld	5,000				
	Irrigation Mainline: PVC 2" Class 200 Solvent Weld	120				
	Directional Bore: 30" deep HDPE 3608 IPS Directional Bores sized per plan. Directional bores to have fused HDPE by schedule 40 male threaded ends and be used as mainline or lateral as shown.					



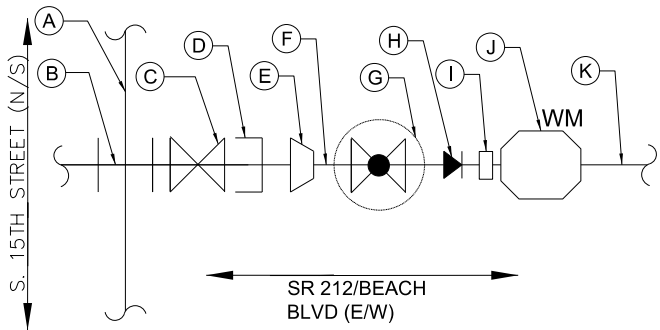
IRRIGATION NOTES:

1. IRRIGATION PIPING AND EQUIPMENT SHOWN WITHIN ROAD IS FOR GRAPHIC CLARITY, INSTALL IRRIGATION WITHIN ADJACENT LANDSCAPE AREAS.

IRRIGATION SCHEDULE RECLAIMED WATER METER

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	Pressure Compensating Flood Bubbler	238	360	30	0.25	1'
	Two Pressure Compensating Flood Bubbler	38	360	30	2x.25	1'
	Area to Receive Dripline On-Surface Pressure Compensating Landscape Dripline. 0.9GPH emitters at 12.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for triangular pattern. UV Resistant.	5,300				
	Remote Control Valve 1" in 12" Purple Valve Box	6				
	Remote Control Valve 1" in 12" Purple Valve Box and Pressure Regulator 40 psi and Filter 1" in 12" Purple Valve Box	4				
	Battery Operated Irrigation Controller 4 Stations	4				
	Rain and Freeze Sensor located in an exposed location to detect moisture	4				
	Reclaimed Water Meter 1"	1				
	Reclaimed Water Advisory Sign	8				
	Isolation Valve 2" in 12" Purple Valve Box	4				
	Irrigation Lateral Line: PVC Class 200 Purple Solvent Weld	8,500				
	Irrigation Mainline: PVC 2" Class 200 Purple Solvent Weld	3,300				
	Directional Bore: 30" deep HDPE 3608 IPS Directional Bores sized per plan. Directional bores to have fused HDPE by schedule 40 male threaded ends and be used as mainline or lateral as shown.					
	Pipe Sleeve: Existing 8" PVC Schedule 40 Work shall include removal and clearing of debris from existing sleeves as required.					

RE-USE WATER CONNECTION

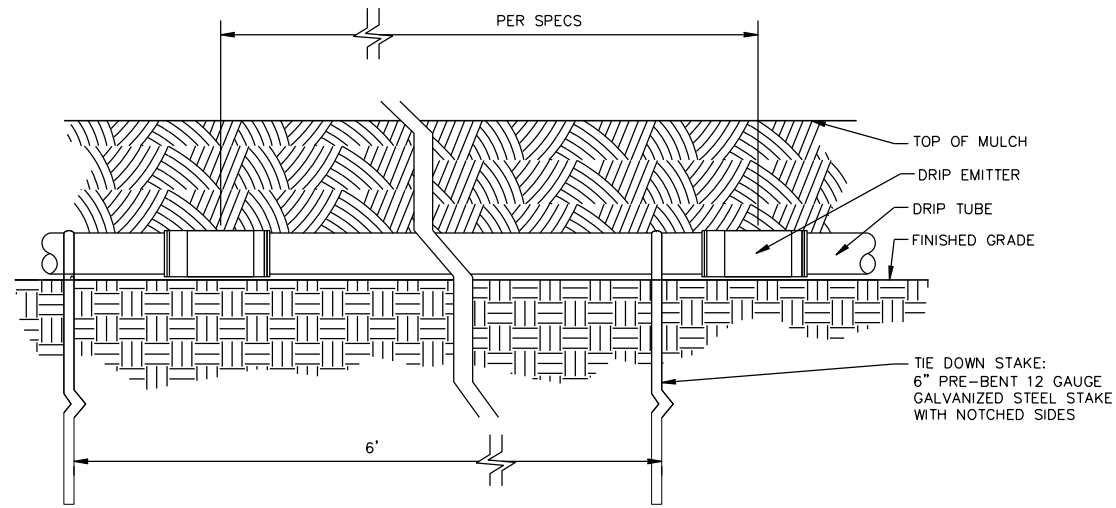


LEGEND:

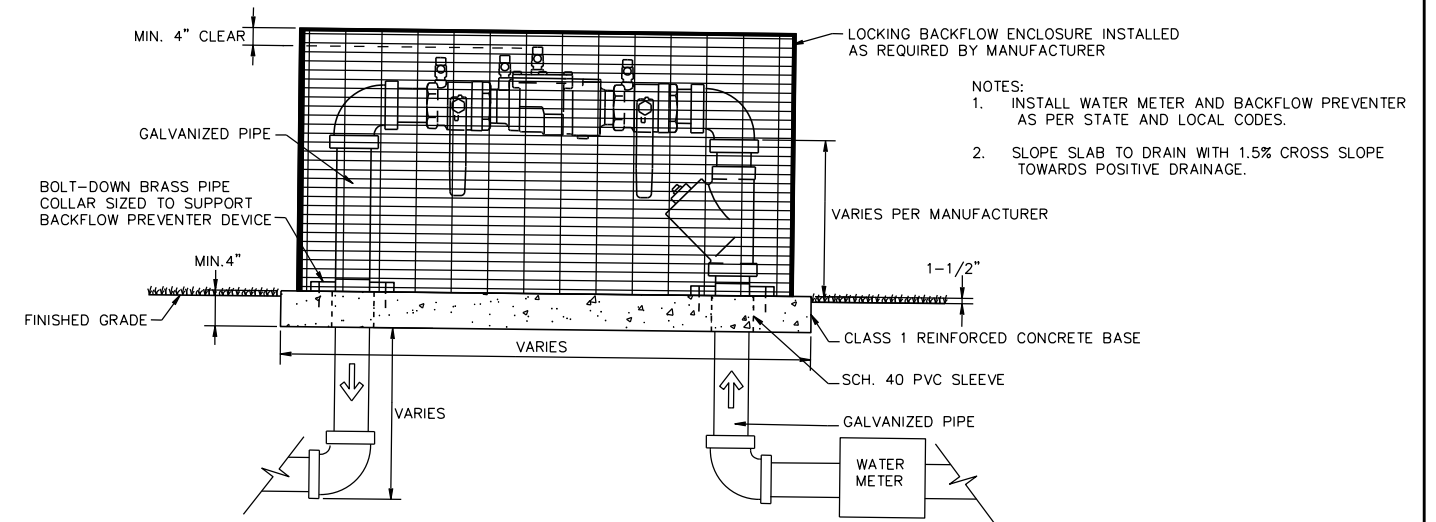
- A - EXISTING 12" REUSE PIPE TO REMAIN
- B - EXISTING 12" X 6" CROSS TO REMAIN
- C - EXISTING 6" VALVE TO REMAIN
- D - REMOVE EXISTING 6" PLUG AND INSTALL NEW 6" PLUG (RESTRAINED) TAPPED 2"
- E - INSTALL CORPORATION STOP
- F - INSTALL 2" POLYETHYLENE TUBING
- G - INSTALL 2" CURB STOP WITH VALVE BOX AND COVER (IDENTIFIED AS REUSE)
- H - INSTALL 2" X 1" REDUCER BUSHING
- I - INSTALL 1" METER COUPLING
- J - INSTALL 1" WATER METER WITH BOX AND LID WITH "REUSE METER" LABEL
- K - INSTALL IRRIGATION MAINLINE PER IRRIGATION PLANS

INSTALL REUSE SIGNS PER FDEP 62-10.468-469, SEE IRRIGATION PLANS FOR LOCATIONS

REVISIONS				JANET O. WHITMILL, R.L.A. R.L.A. NO.: 1289 JANET O. WHITMILL, R.L.A., INC. P.O. BOX 5212 JACKSONVILLE, FL 32247-7688	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION DETAILS	SHEET NO. LD-30
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 212	DUVAL	431962-1-52-01		

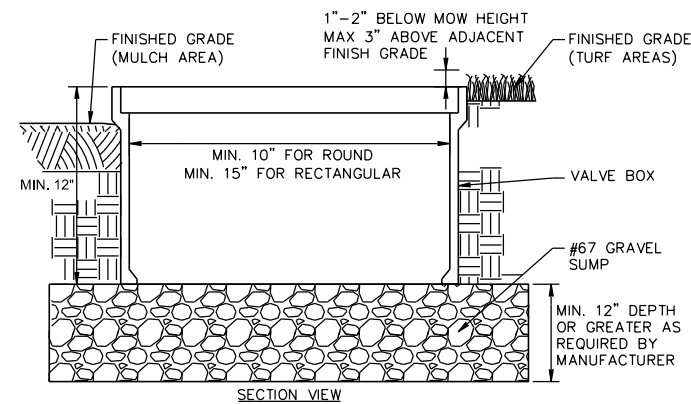


DRIP TUBE ON GRADE WITH MULCH COVER

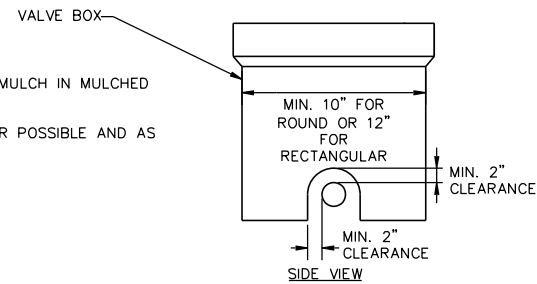


BACKFLOW PREVENTER WITH ENCLOSURE

SCALE: NTS

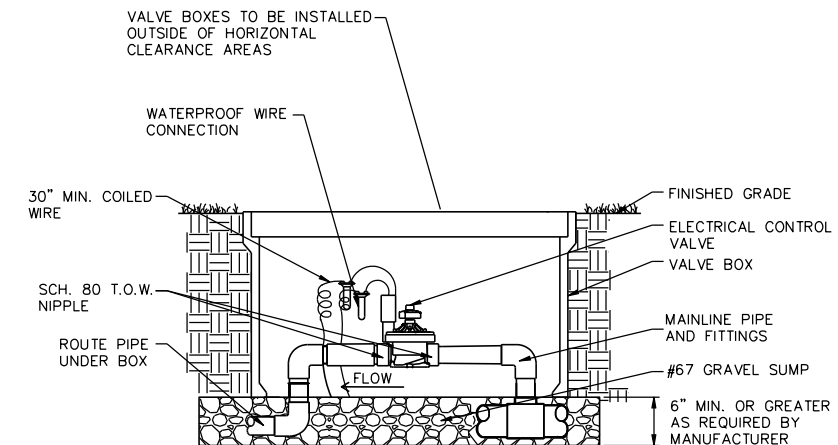


- NOTES:
1. INSTALL BOX TOP BETWEEN 1"-2" BELOW MOW HEIGHT IN TURF AREAS. INSTALL BOX 2" ABOVE MULCH IN MULCHED SHRUB AREAS.
 2. INSTALL ALL VALVES, QUICK COUPLER VALVES, VIRE SPECS, ETC., IN LANDSCAPED BEDS WHEREVER POSSIBLE AND AS FAR AWAY FROM VEHICULAR TRAVEL LANES AS FEASIBLE.
 3. INSTALL ONE VALVE PER VALVE BOX.
 4. SEE PLANS FOR BOX LOCATION, SIZE, AND SHAPE.



VALVE BOX DETAIL

SCALE: NTS

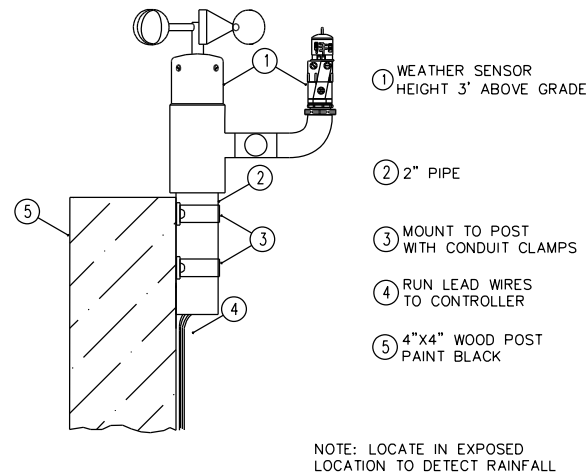


ELECTRIC CONTROL VALVE

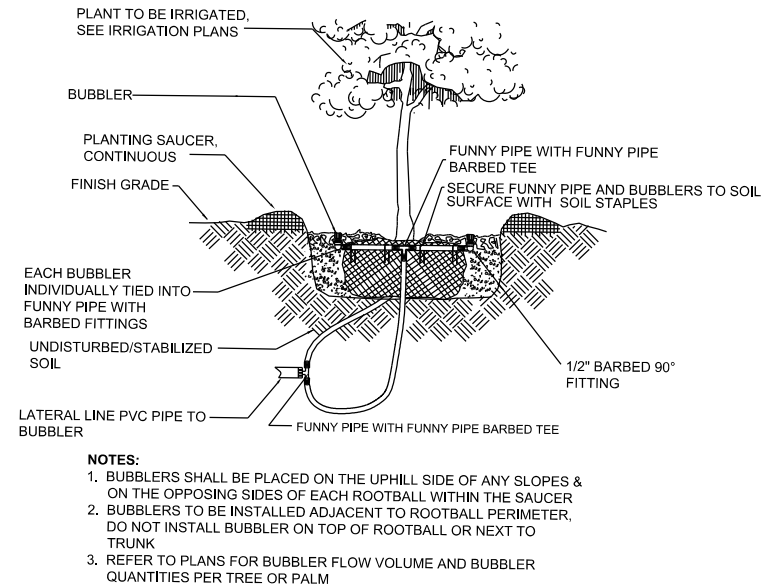
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REVISIONS				JANET O. WHITMILL, R.L.A. R.L.A. NO.: 1289 JANET O. WHITMILL, R.L.A., INC. P.O. BOX 5212 JACKSONVILLE, FL 32247-7688	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-31

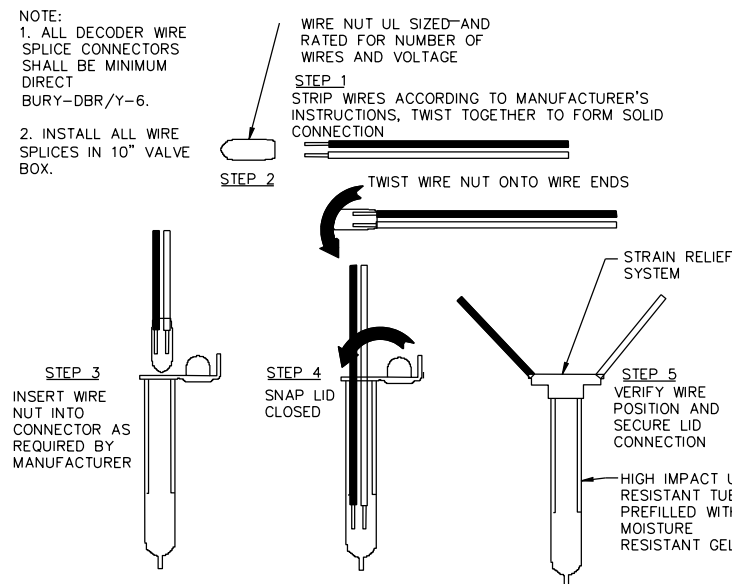
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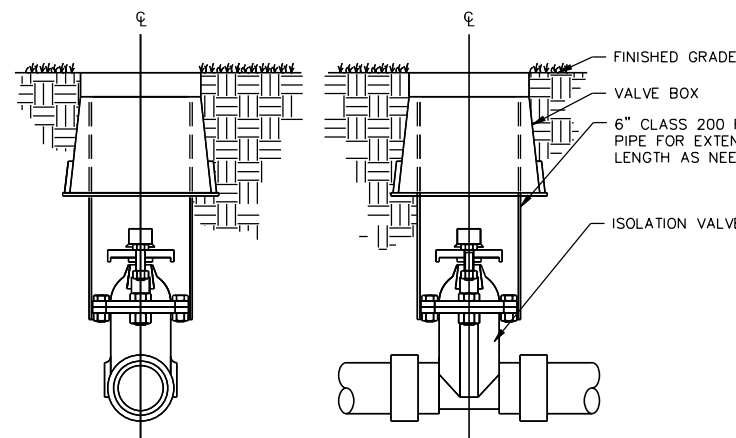
WEATHER SENSOR
SCALE: NTS



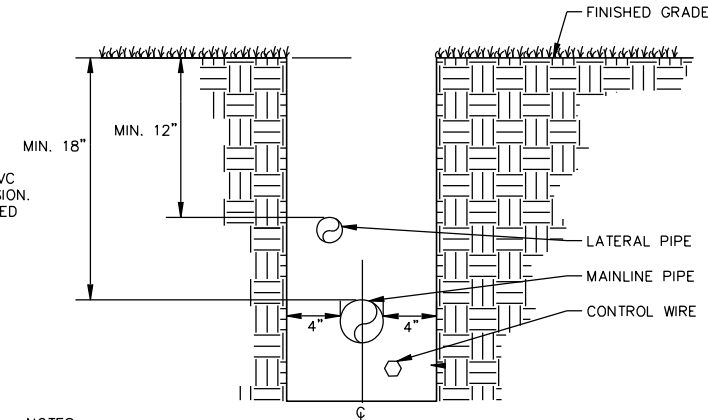
BUBBLER APPLICATION
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WATERPROOF WIRE CONNECTION
SCALE: NTS



ISOLATION VALVE DETAIL
SCALE: NTS

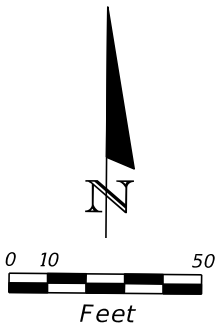
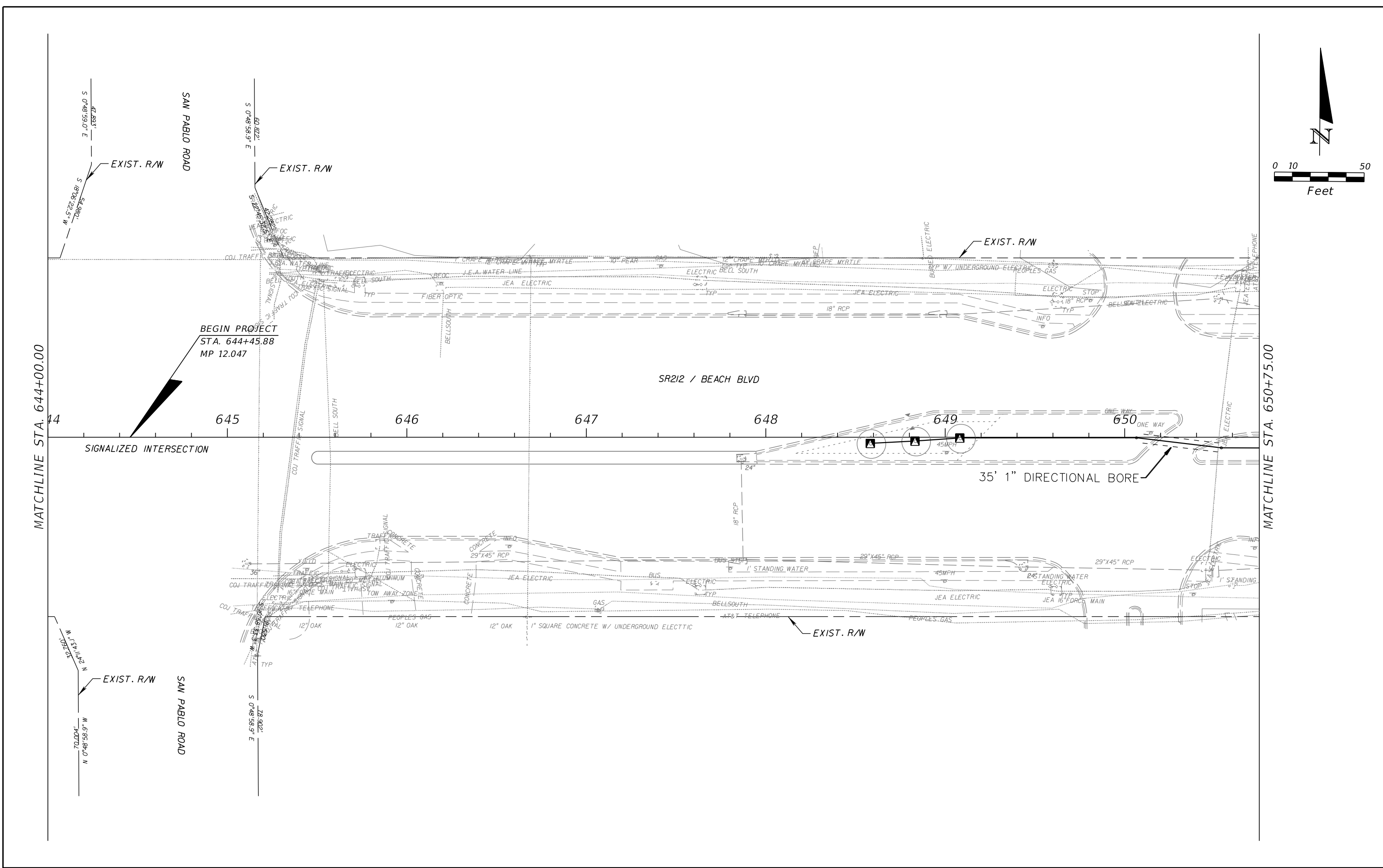


NOTES:

1. ALL TRENCHING TO BE OUTSIDE OF EXISTING TREE DRIP LINE.
2. NO ROCKS, BOULDERS, OR SHAPR OBJECTS TO BE IN TRENCH BACKFILL.
3. ALL PIPE TO BE INSTALLED AS RECOMMENDED BY MANUFACTURER.
4. AT EACH CHANGE IN MAINLINE DIRECTION INSTALL A 30" LOOP OF EXTRA WIRE.
5. BUNDLE WIRE WITH ELECTRICAL TAPE EVERY 10'.

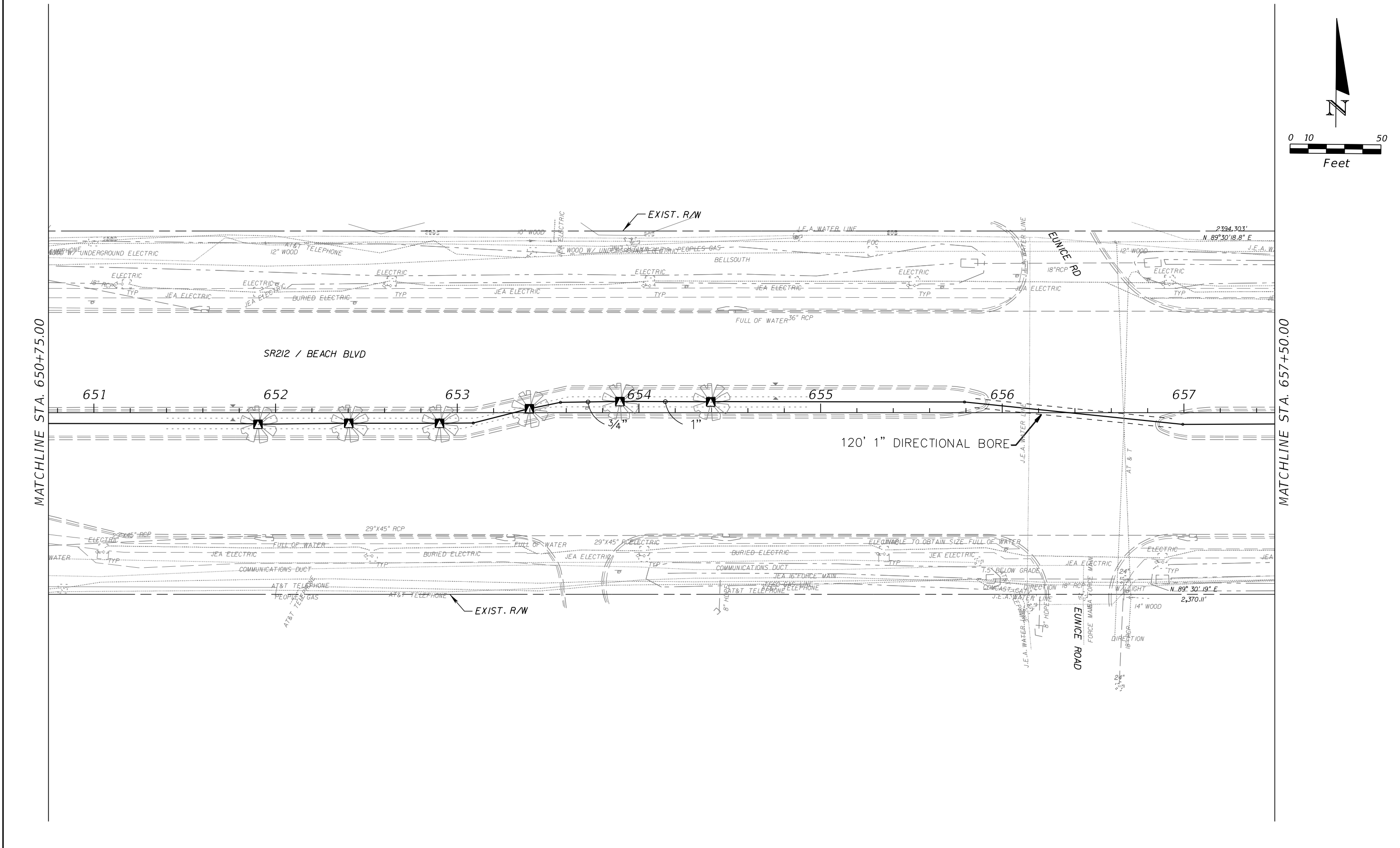
TRENCH, PIPE, AND WIRE DETAIL IN LANDSCAPE AREAS
SCALE: NTS

REVISIONS				JANET O. WHITMILL, R.L.A. R.L.A. NO.: 1289 JANET O. WHITMILL, R.L.A., INC. P.O. BOX 5212 JACKSONVILLE, FL 32247-7688	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION DETAILS	SHEET NO. LD-32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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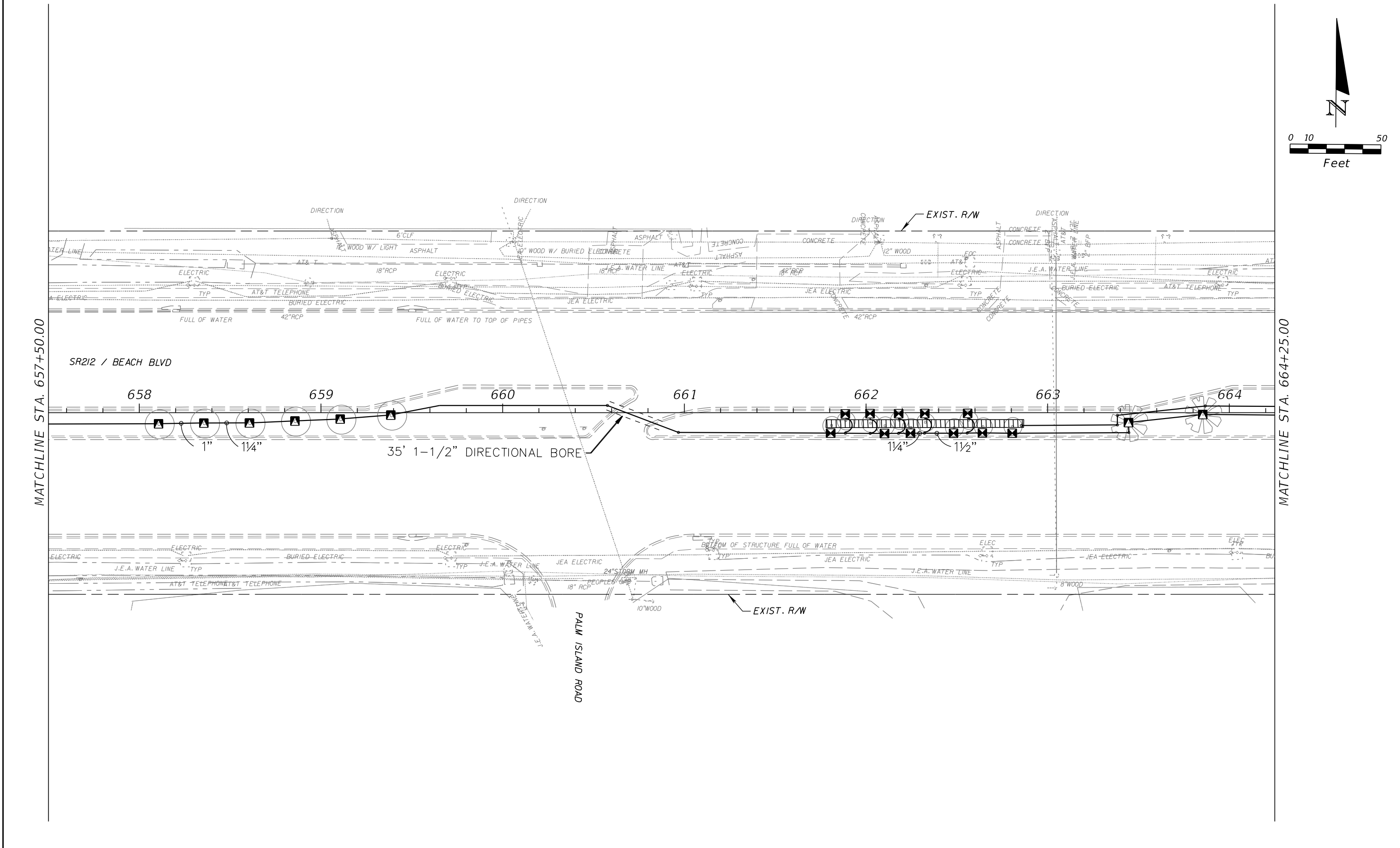
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DATE	DESCRIPTION	DATE	DESCRIPTION						
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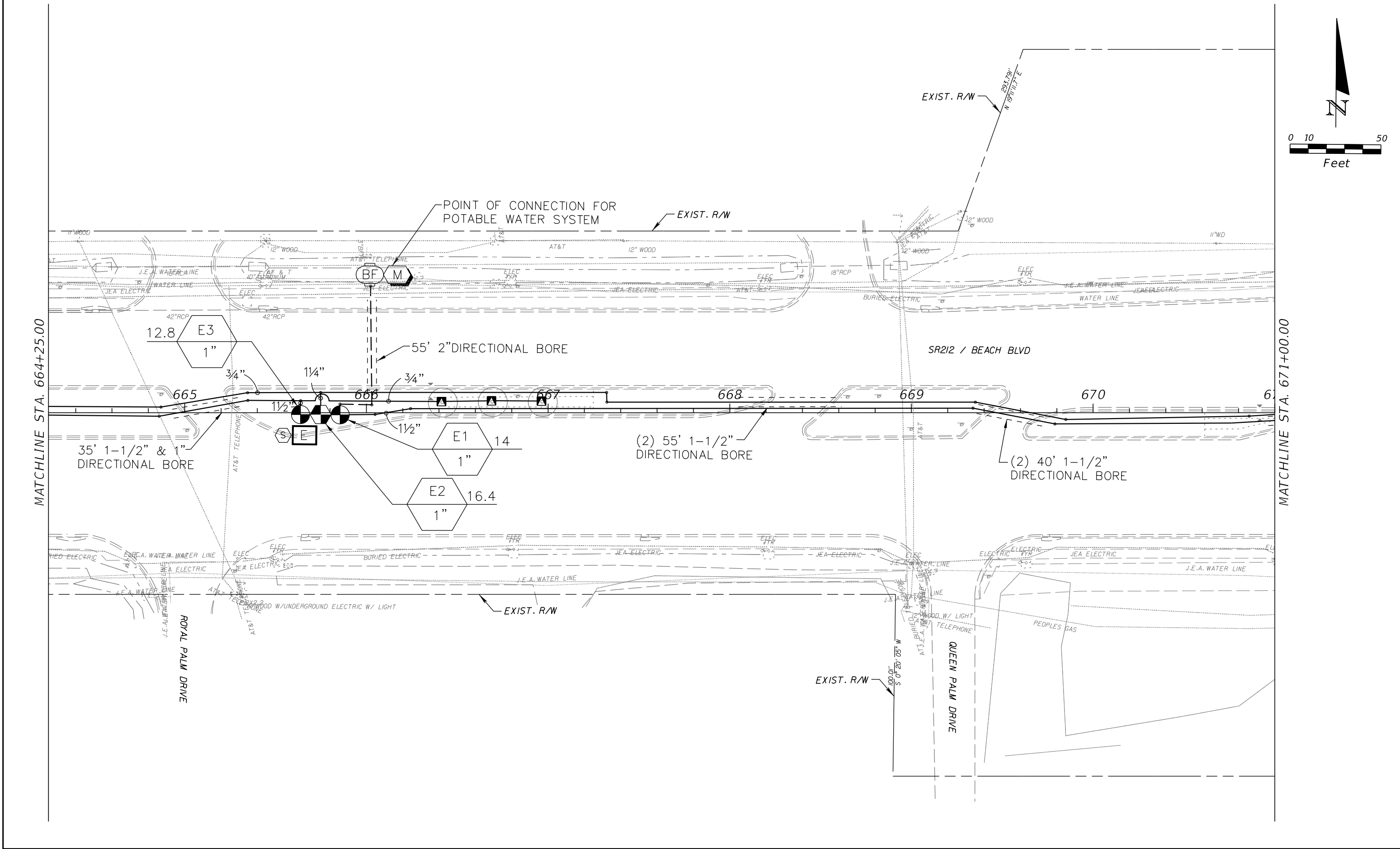
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DATE	DESCRIPTION	DATE	DESCRIPTION						
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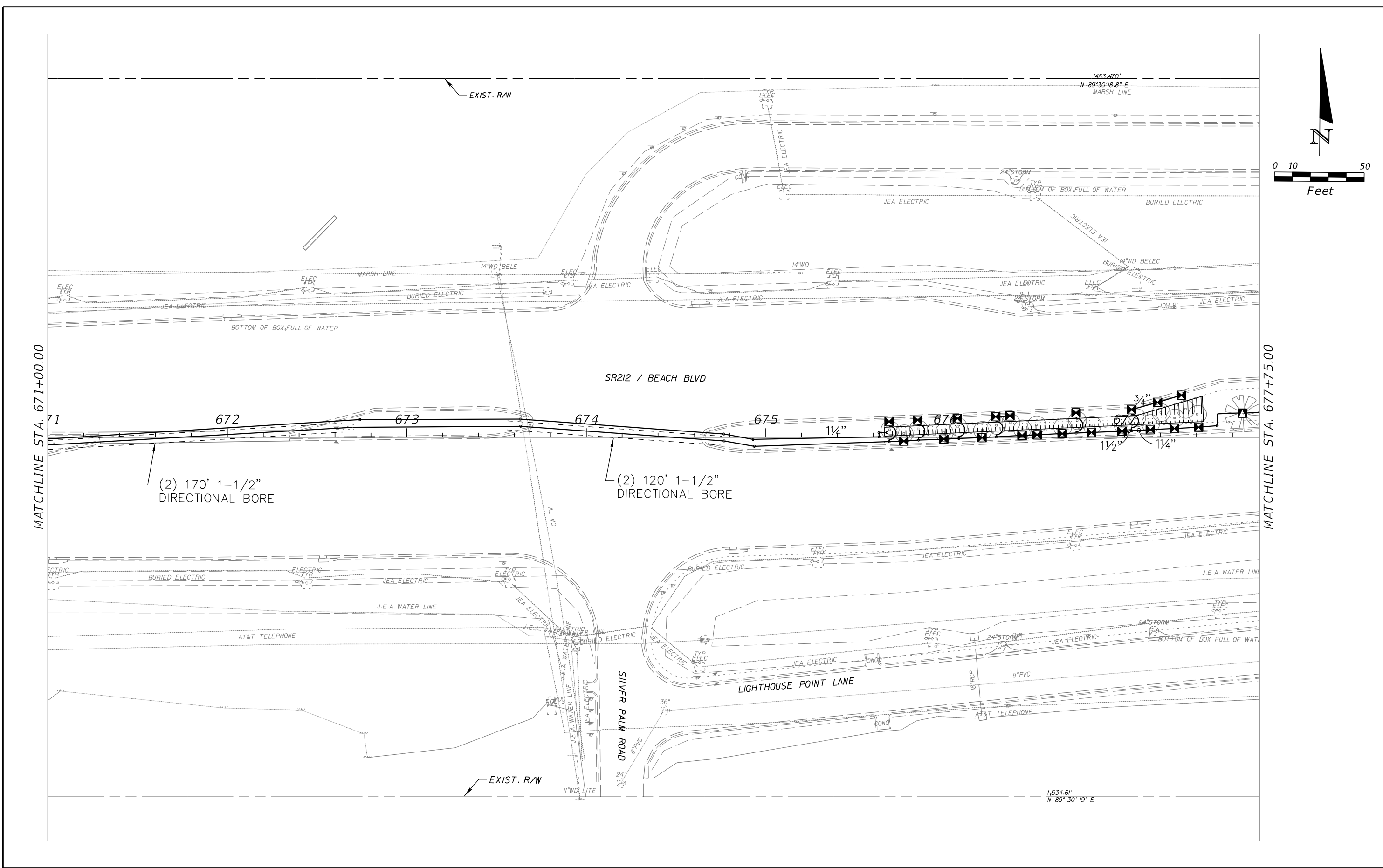
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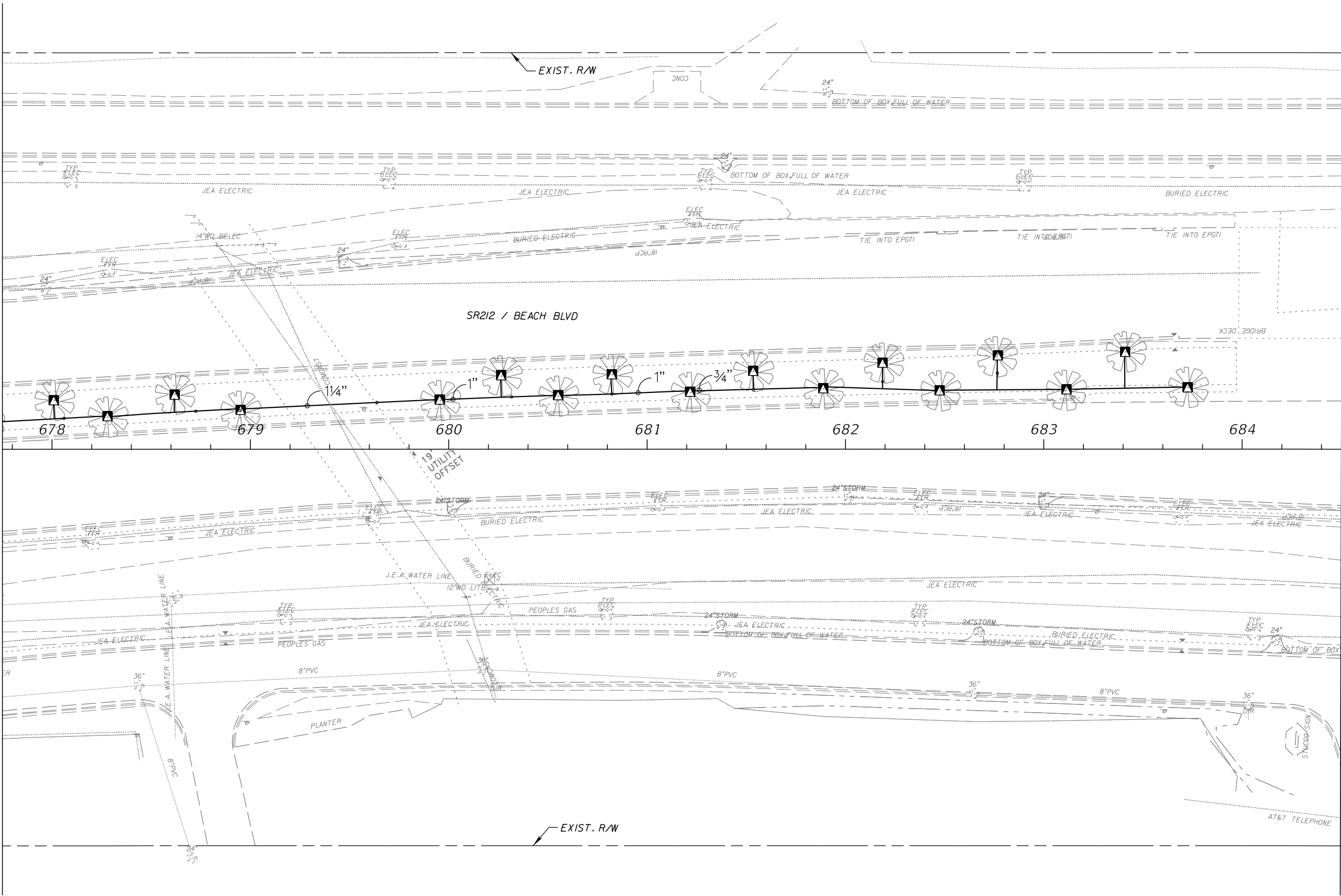
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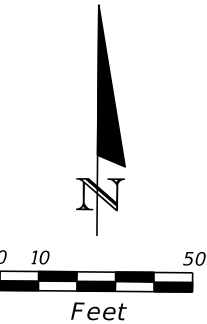
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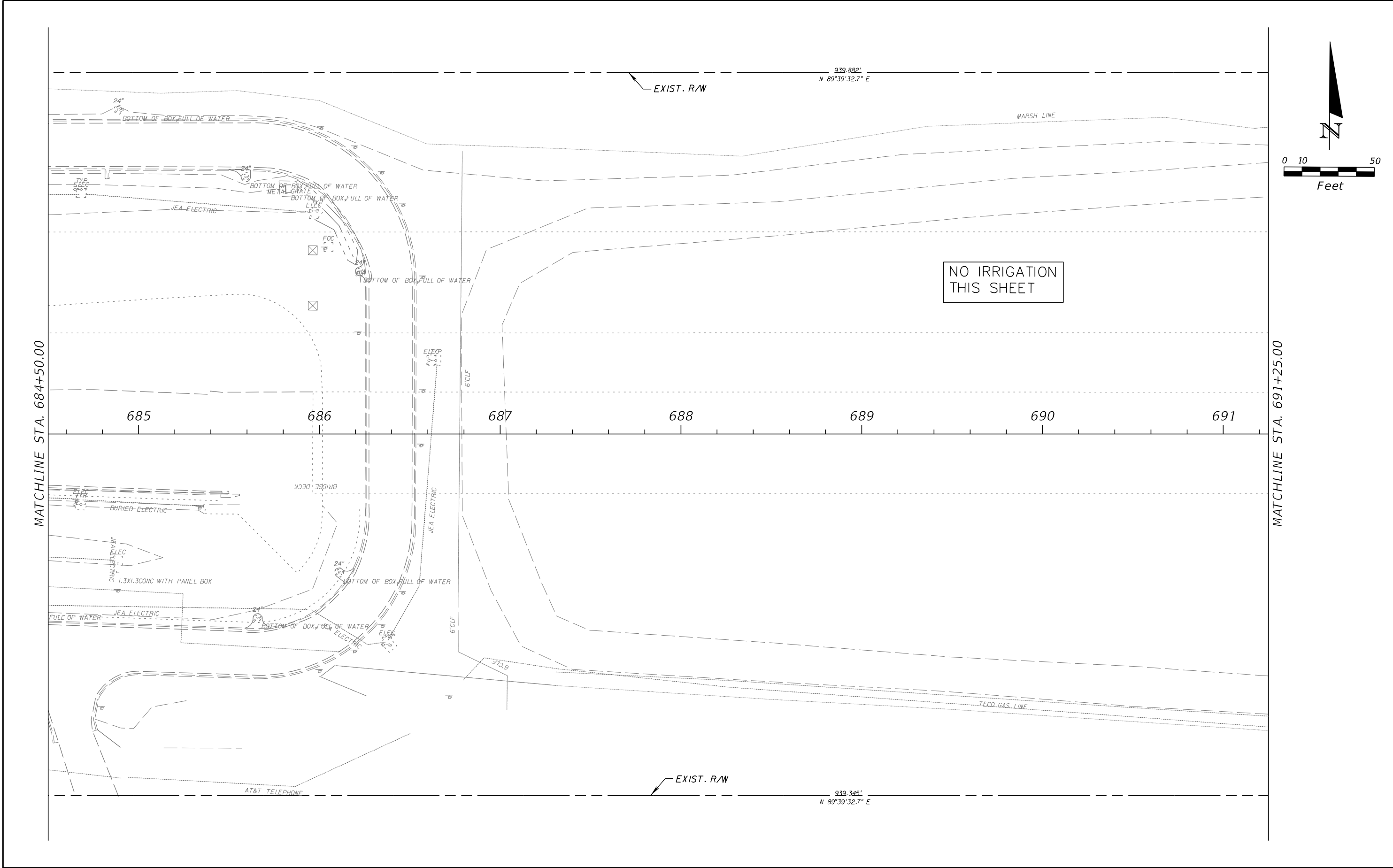


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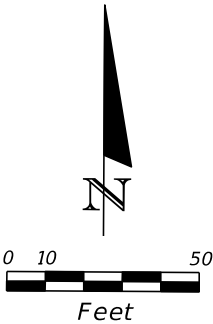
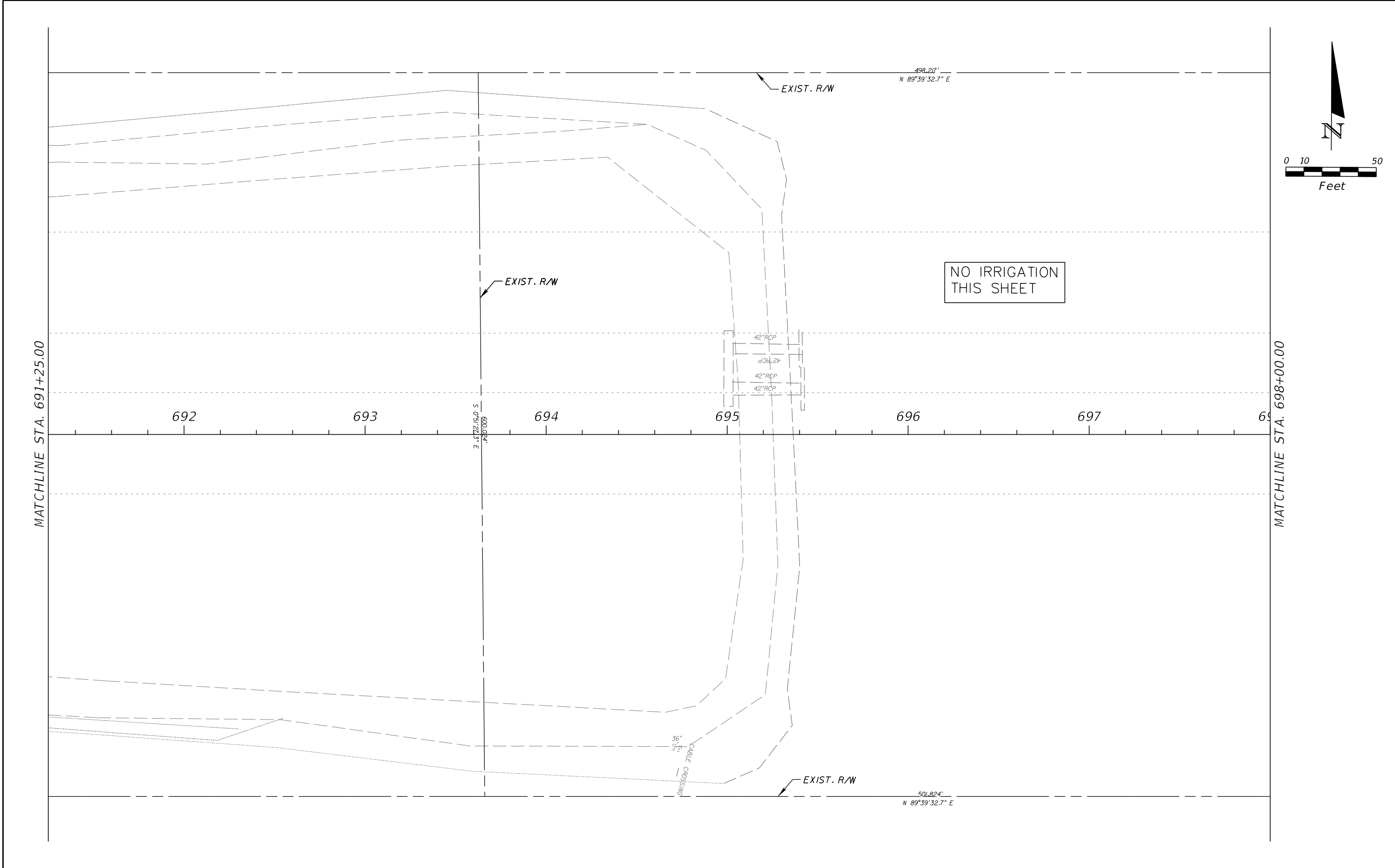
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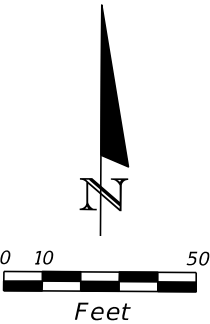
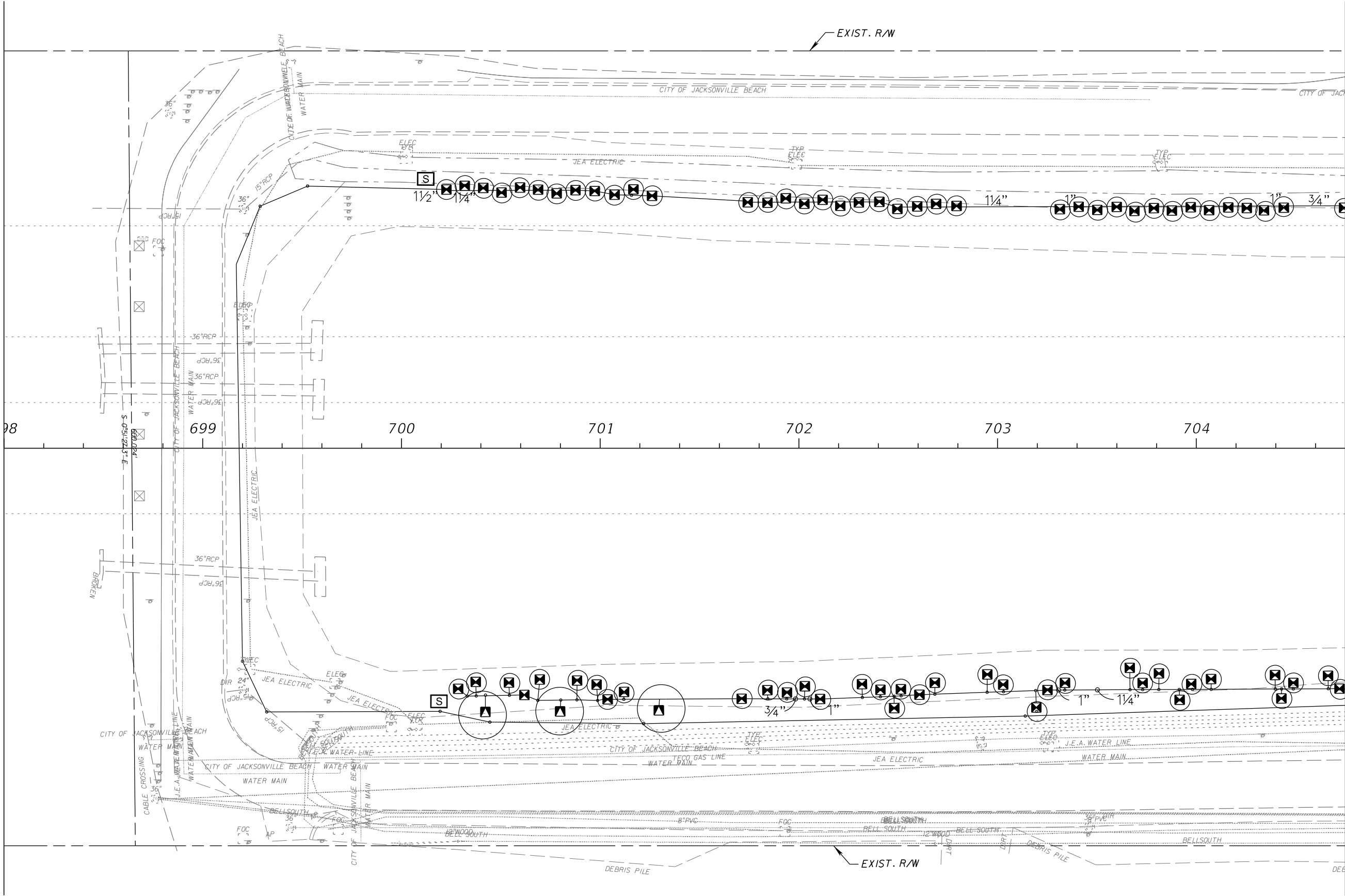


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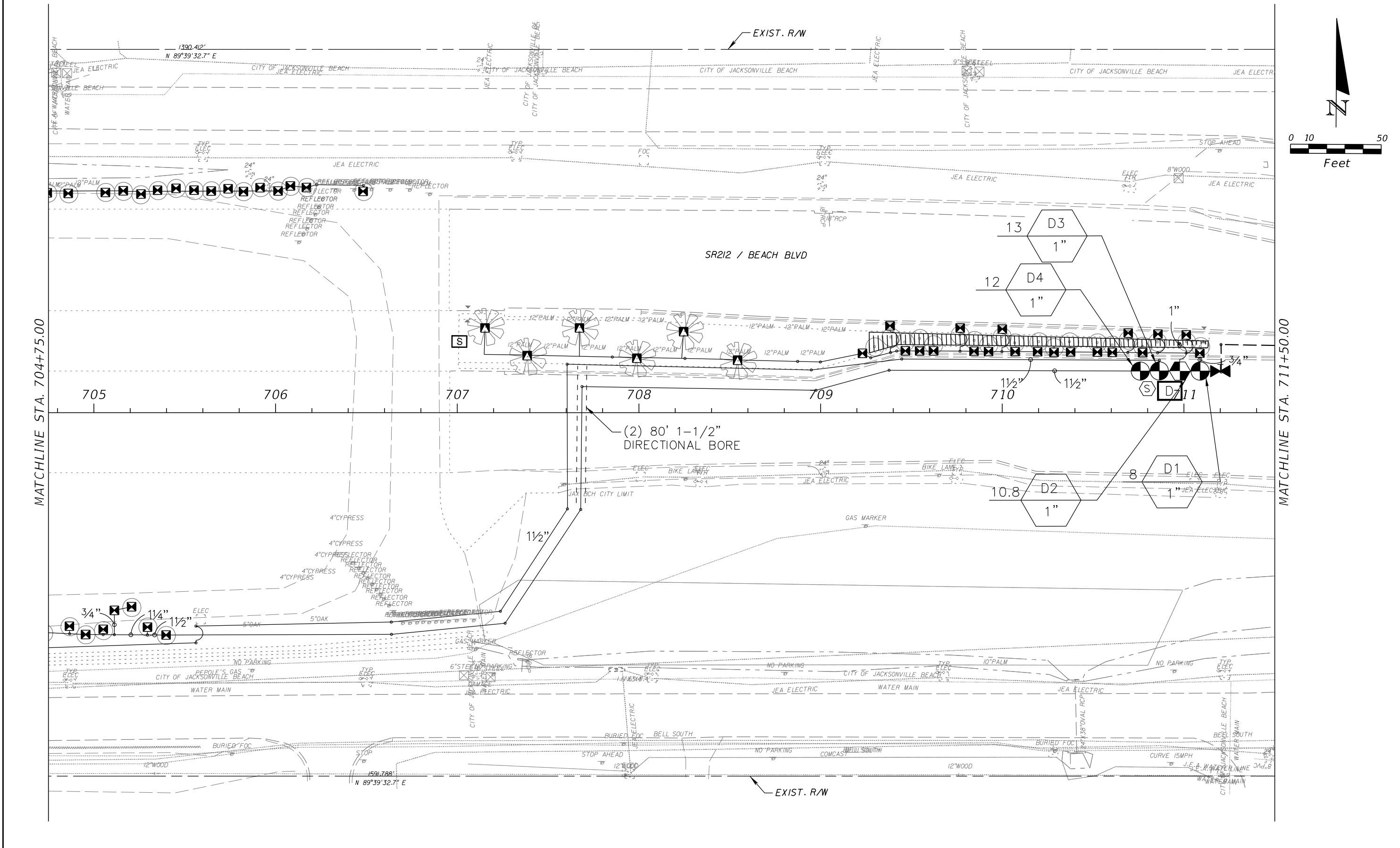
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MATCHLINE STA. 704+75.00



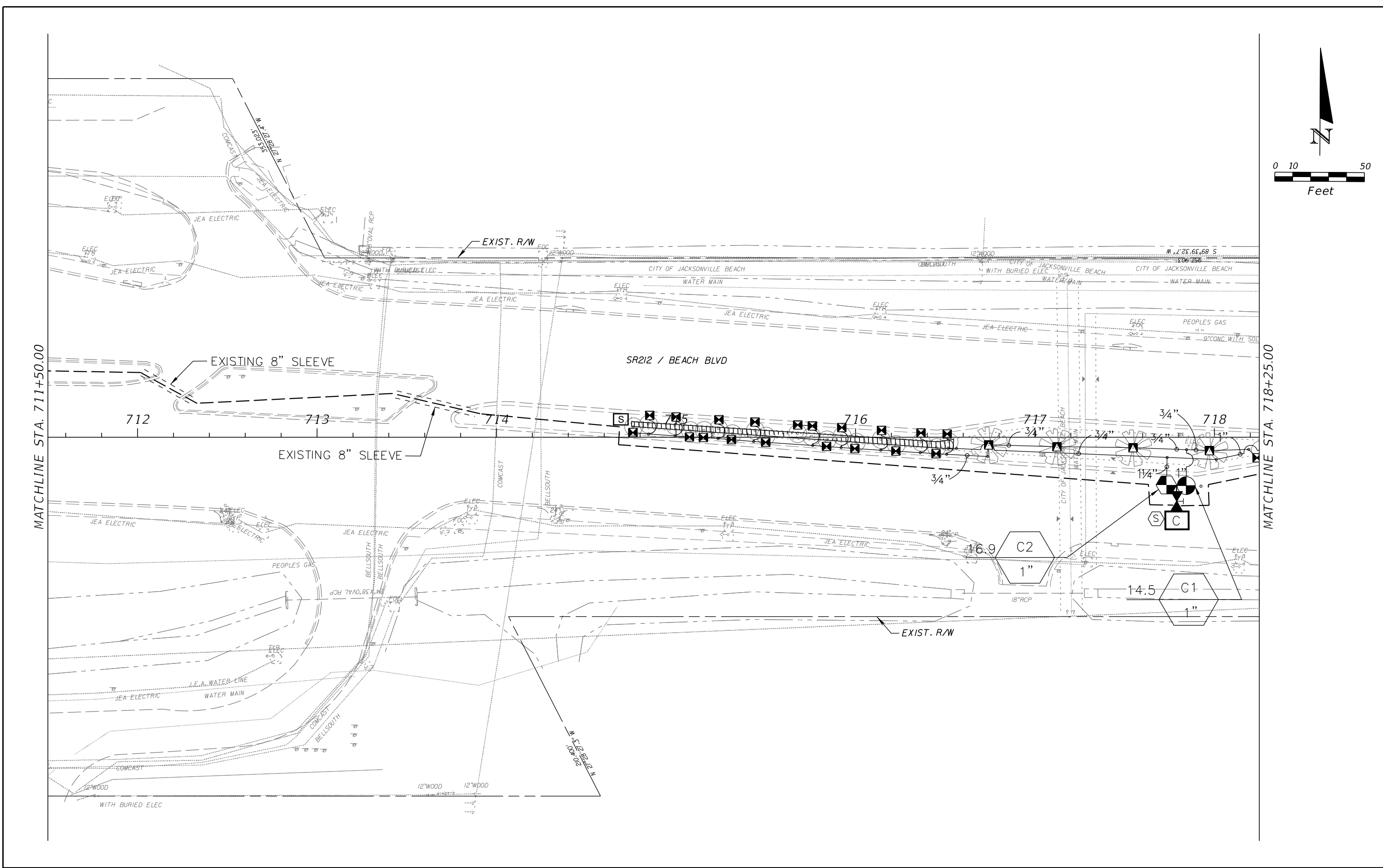
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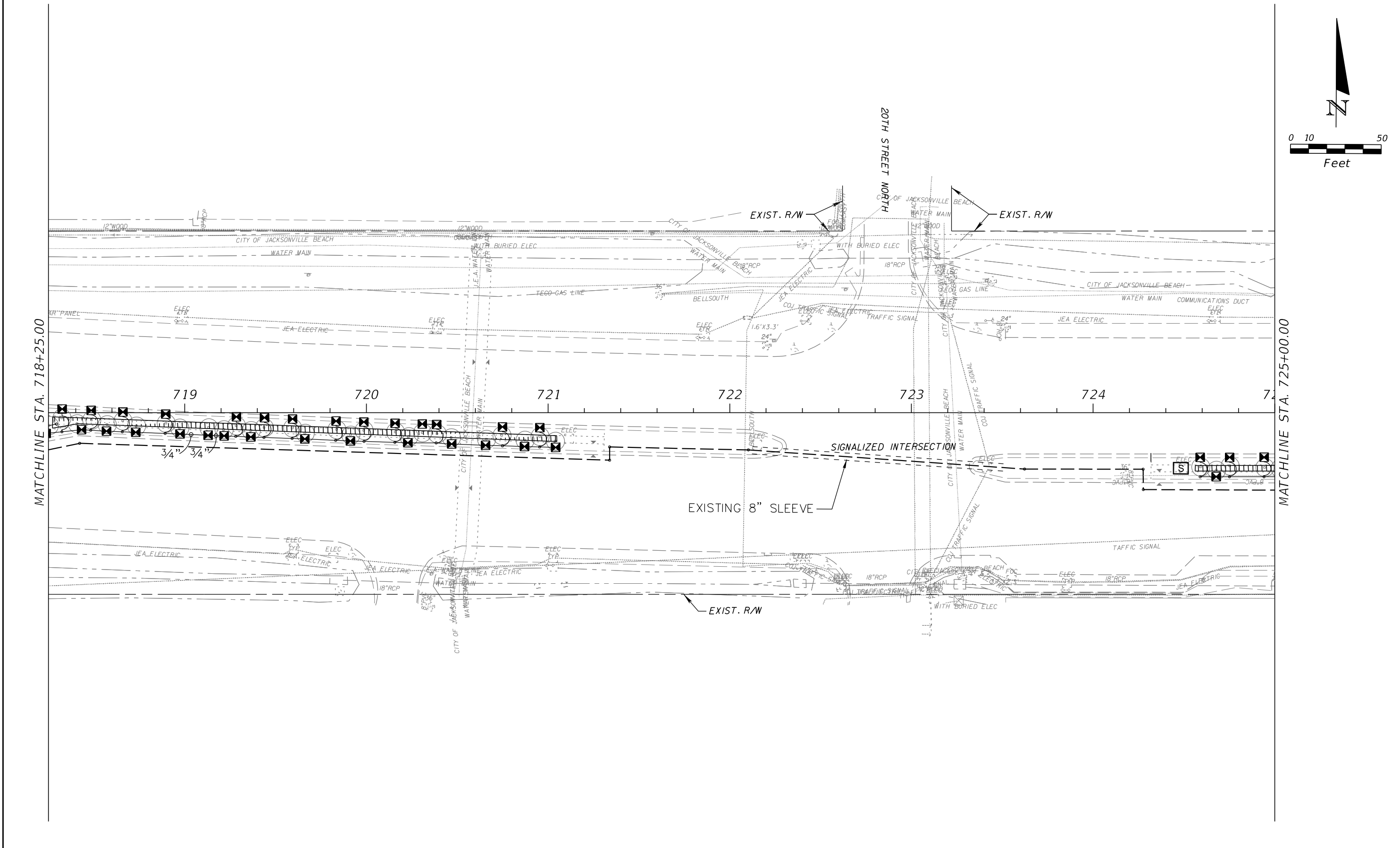
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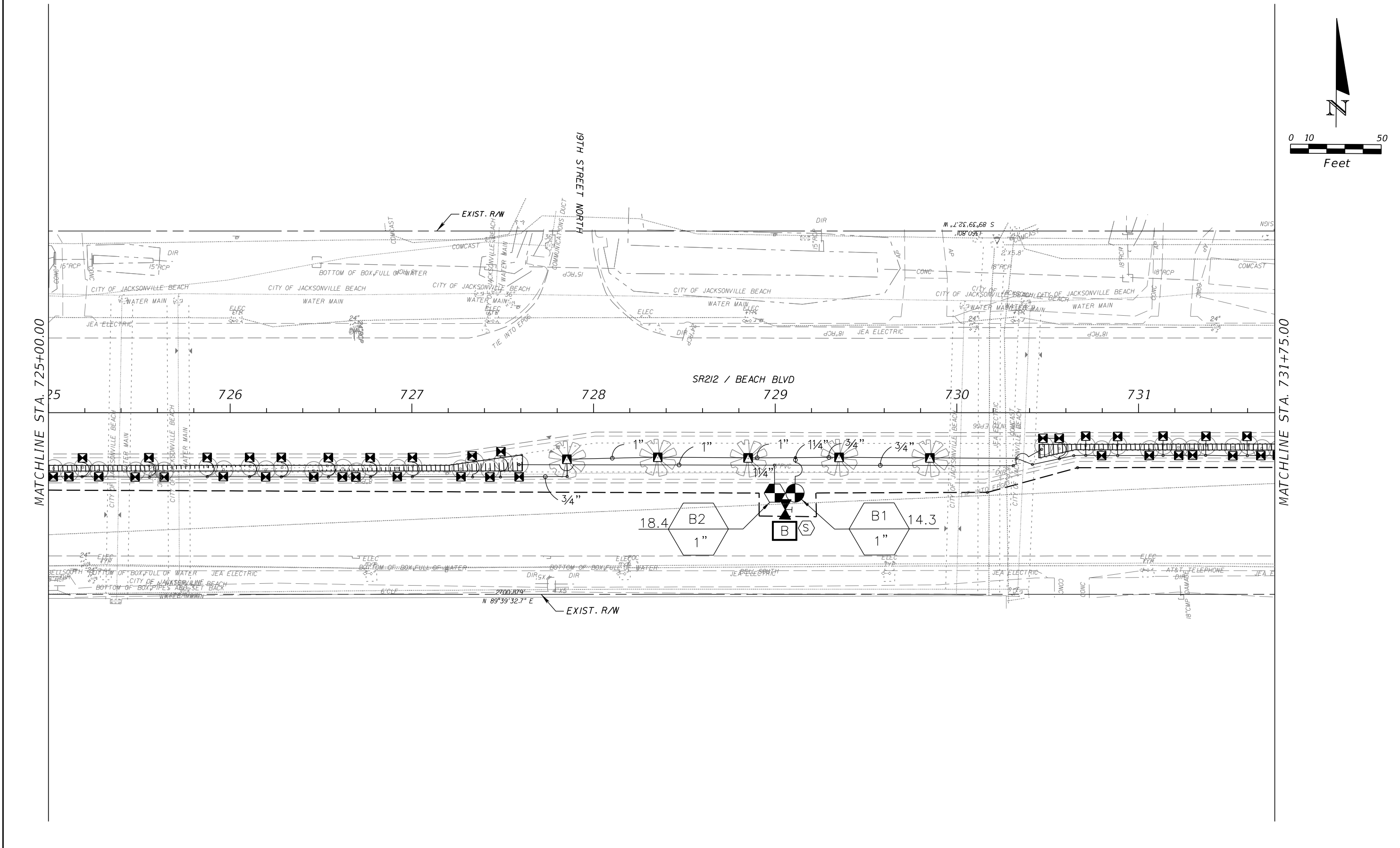
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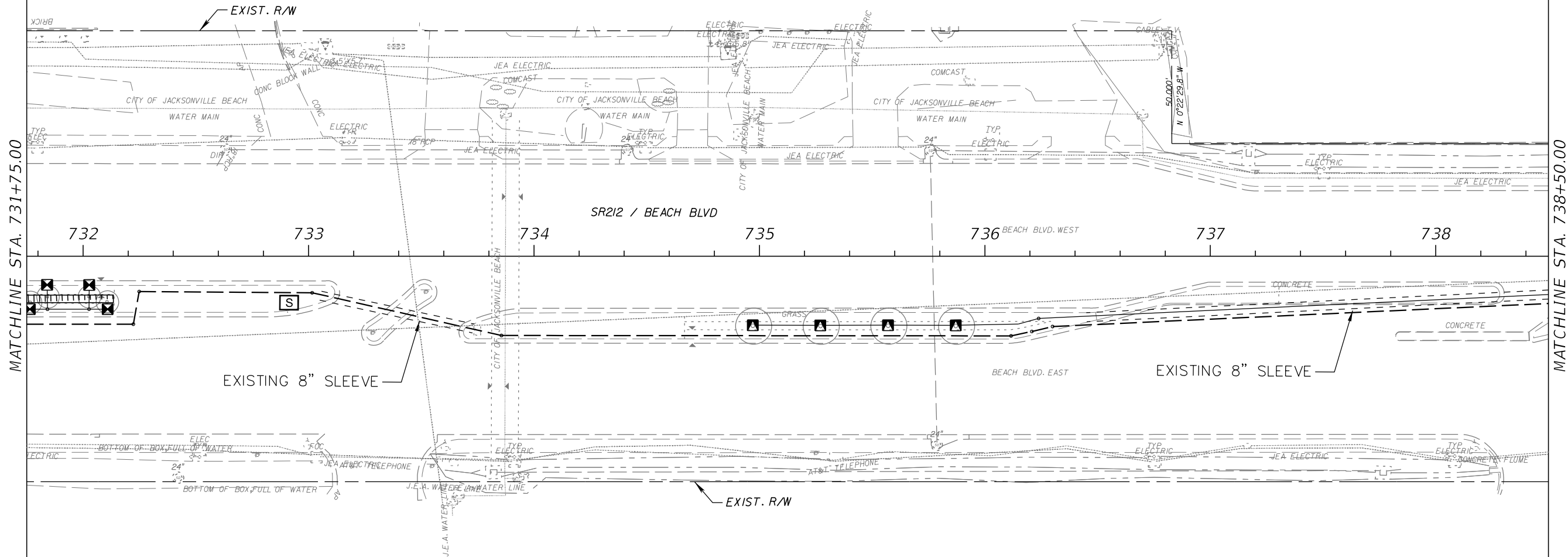
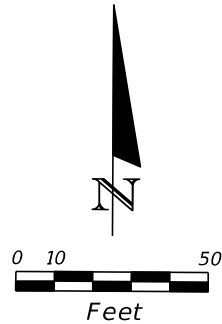
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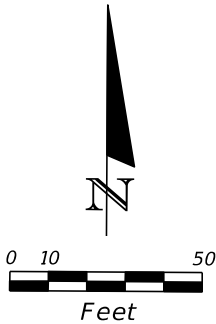
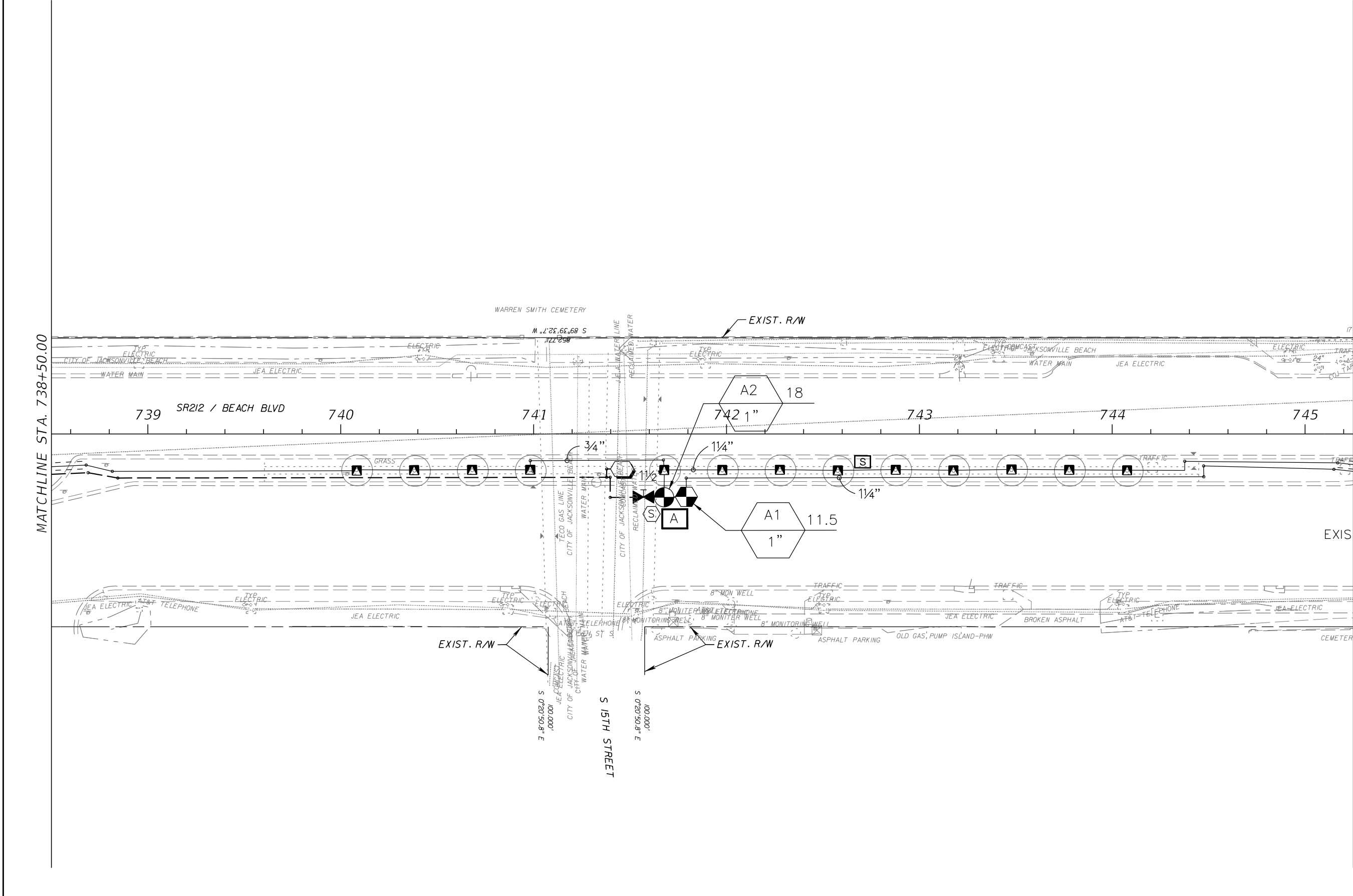


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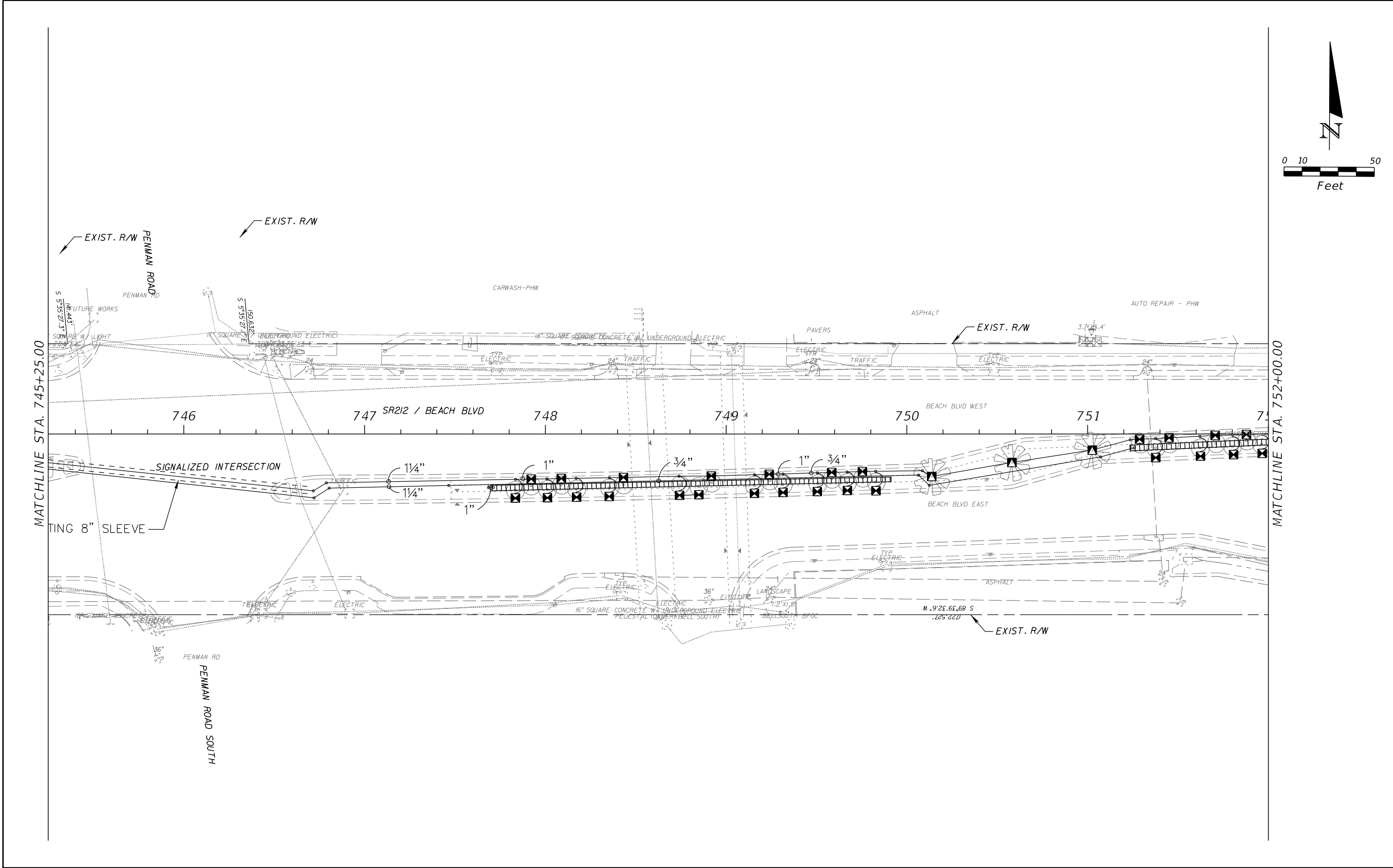


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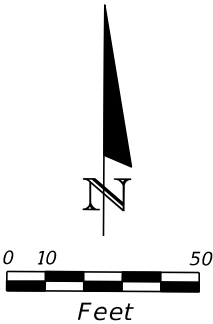
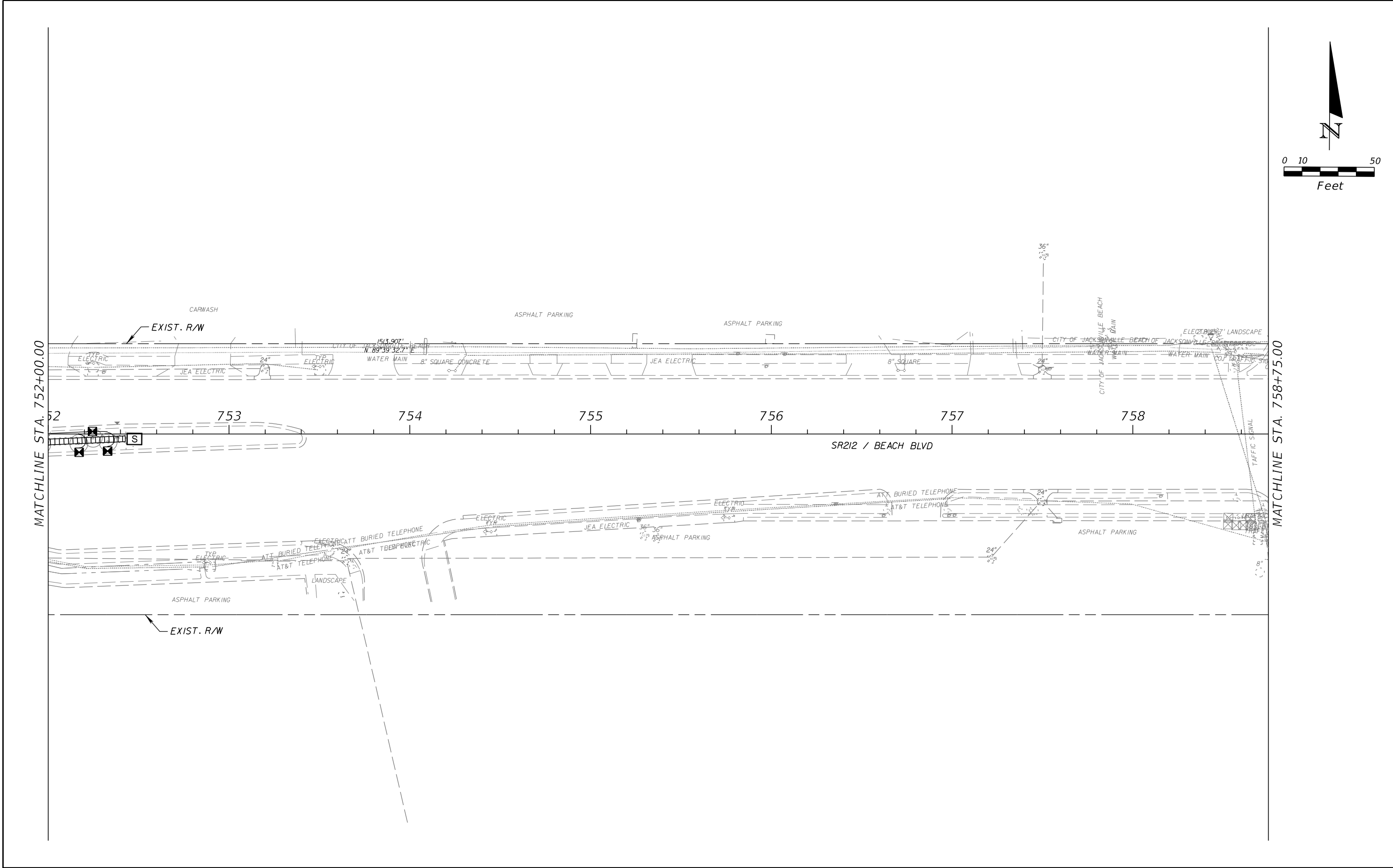
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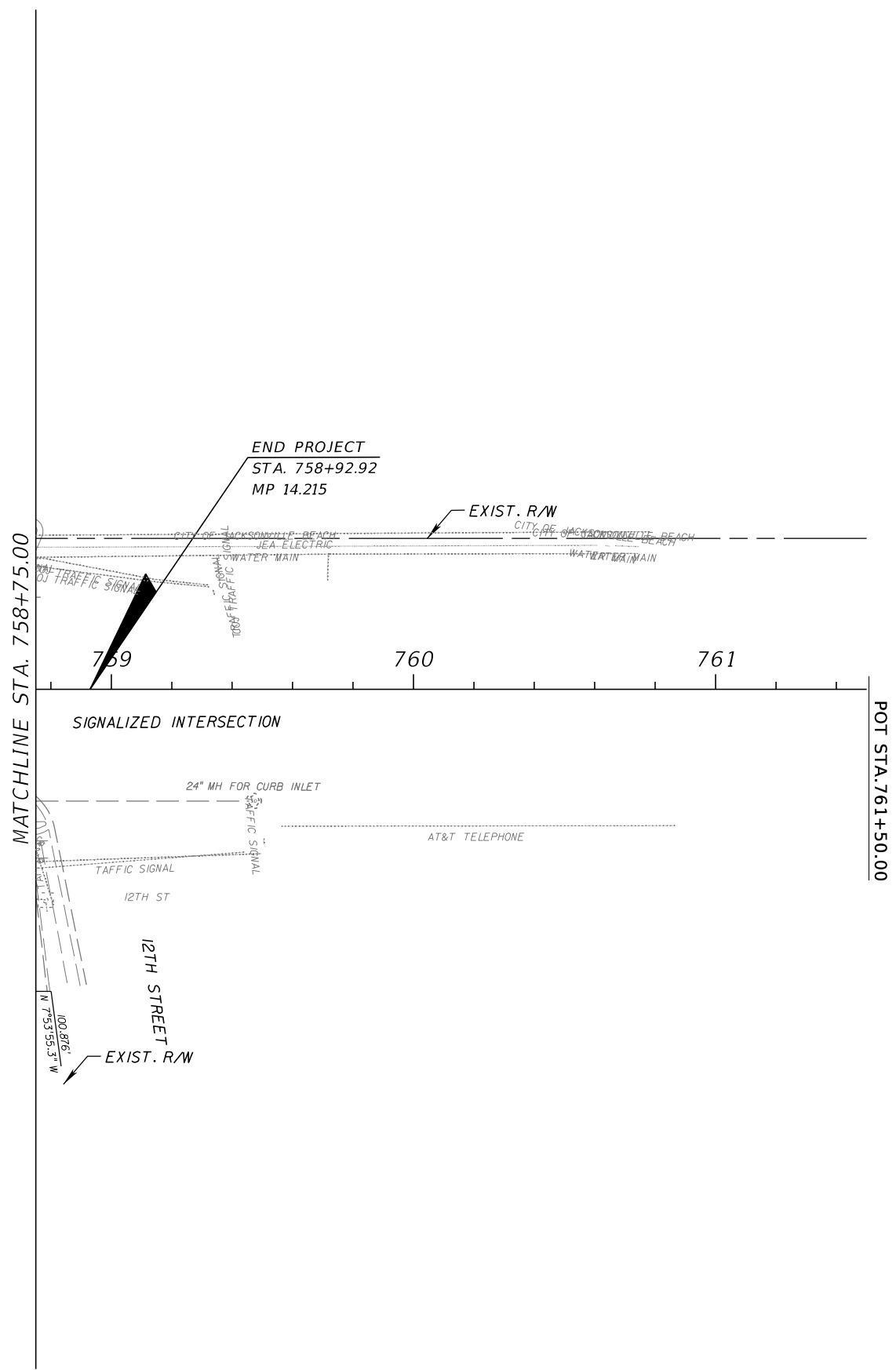
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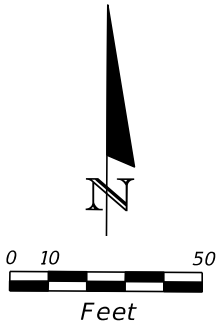
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NO IRRIGATION
THIS SHEET

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STORM WATER POLLUTION PREVENTION PLAN

1.0 SITE DESCRIPTION

1. A. NATURE OF CONSTRUCTION ACTIVITY

THIS PROJECT CONSISTS OF THE INSTALLATION OF LANDSCAPING ITEMS IN SELECTED LOCATIONS ALONG SR 212 FROM SAN PABLO ROAD TO 12TH STREET IN DUVAL COUNTY, A DISTANCE OF 2.168 MILES.

1. B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

- 1) CLEARING AND GRUBBING
- 2) INSTALLATION OF LANDSCAPING ITEMS

1. C. AREA ESTIMATES

TOTAL SITE AREA: 116,160 SY (24 ACRES)
TOTAL AREA DISTURBED: 14,520 SY (3 ACRES)

1. D. RUNOFF COEFFICIENTS

THE LANDSCAPING WORK WILL NOT CHANGE THE RUNOFF COEFFICIENTS BEFORE, DURING OR AFTER; THERE ARE NO ADDITIONAL IMPERVIOUS AREAS BEING ADDED. THE RUNOFF COEFFICIENT IN THE DISTURBED AREAS IS ANTICIPATED TO BE 0.3.

SOILS DATA

URBAN LAND - THIS SOIL IS LOCATED IN AREAS WHERE MORE THAN 85 PERCENT OF THE SURFACE IS COVERED BY STREETS, SIDEWALKS, AND OTHER STRUCTURES. THE NATURAL SOIL CANNOT BE OBSERVED. THE SOILS IN OPEN AREAS, MAINLY VEGETATED HIGHWAY BORDER AREAS HAVE BEEN ALTERED BY LAND GRADING AND SHAPING. AREAS OF THESE SOILS ARE SO SMALL THAT MAPPING THEM SEPARATELY IS IMPRACTICAL. NO CAPABILITY CLASSIFICATION IS ASSIGNED.

1. E. SITE MAP

THE CONSTRUCTION PLANS SERVE AS THE SITE MAP. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW AND ON THE KEY MAP:
DRAINAGE PATTERNS: THE ATTACHED LANDSCAPE PLAN SHEETS SHOW THE INLETS THAT RECEIVE THE STORMWATER FROM THE DISTURBED AREAS. ALL RUNOFF FROM THE PROJECT SITE IS DIRECTED TOWARD INLETS WITHIN THE RIGHT OF WAY FOR TREATMENT WITHIN THE EXISTING SYSTEM. (SEE THE LANDSCAPE PLANS)
APPROXIMATE SLOPES: VARY; HOWEVER, THE EXISTING SLOPES ARE TO REMAIN THE SAME.

AREAS OF SOIL DISTURBANCE: 3.735 AC

AREAS NOT TO BE DISTURBED: 70.399 AC

LOCATIONS OF TEMPORARY CONTROLS: AT EXISTING INLETS.
LOCATIONS OF PERMANENT CONTROLS: EXISTING CONTROLS REMAIN. INLETS, SWALES, BERMS, WALLS, CURB AND GUTTER, ETC.
AREAS TO BE STABILIZED: ALL DISTURBED AREAS WILL BE PERMANENTLY STABILIZED WITH LANDSCAPING ITEMS.
SURFACE WATERS: INTRACOASTAL WATERWAY
DISCHARGE POINTS TO SURFACE WATERS: VIA SWALES, OUTFALLS AND OVERFLOW.
WETLAND AREAS: THERE ARE NO WETLANDS.

1. F. RECEIVING WATERS

OUTFALL INFORMATION

LOCATION: SEE THE LATITUDE AND LONGITUDE BELOW.
LATITUDE: 30 DEGREES 17 MINUTES 17 SECONDS NORTH
LONGITUDE: 81 DEGREES 25 MINUTES 17 SECONDS WEST
RECEIVING WATER NAME: INTRACOASTAL WATERWAY
DRAINAGE AREA: UNKNOWN; HOWEVER, NO CHANGES WILL RESULT FROM THIS PROJECT.

2.0 CONTROLS

2. A. EROSION AND SEDIMENT CONTROLS

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S CONSTRUCTION PHASING PLAN. THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THE SECTION 104 EROSION CONTROL PLAN, SUBJECT TO APPROVAL OF THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES AND THE NEED FOR BETTER PRACTICES.

CONSTRUCTION ACTIVITIES - GENERAL
THE MAJOR CONTROLS OUTLINED IN THIS SWPPP ARE SEDIMENT AND EROSION CONTROL THROUGH THE PHASING OF THE CONSTRUCTION OPERATION THEREBY LIMITING THE AMOUNT OF ERODIBLE EARTH EXPOSED AT ANY GIVEN TIME, REMOVAL OF EXCESS DIRT ON THE PAVED AREAS AND THE PROTECTION OF THE EXISTING INLETS AND OUTFALLS. MAJOR EROSION PROBLEMS ARE NOT ANTICIPATED DUE TO THE NATURE OF THE PROJECT WORK. GOOD HOUSEKEEPING, EQUIPMENT MAINTENANCE AND WORK PROGRESS ARE INTEGRAL PARTS OF THIS PLAN.

PRIOR TO EXPOSING ERODIBLE EARTH, SILT FENCE WILL BE INSTALLED AT THE CURB INLETS AND BACK OF CURBED MEDIANS AND EDGE PLANTING AREA OF HOPSON ROAD TO PRECLUDE THE DISCHARGE OF SILT LADEN CONSTRUCTION WATERS INTO THE DRAINAGE SYSTEM.

LANDSCAPING AREAS WILL NOT BE CLEARED UNTIL THE PLANTING MATERIALS ARE AVAILABLE FOR A PARTICULAR SITE. CONTROLLING THE AMOUNT OF ERODIBLE EARTH EXPOSED AT ANY GIVEN TIME WILL REDUCE THE POTENTIAL FOR SEDIMENT TRANSPORT.

PLANTINGS, SODDING AND MULCHING WILL BEGIN WITHIN 7 DAYS OF FINAL GRADING AND SITE PREPARATION ACTIVITIES.

STOCKPILED MATERIALS WILL NOT BE STORED ON SITE FOR MORE THAN 24 HOURS PRIOR TO INSTALLATION NOR WILL THEY BE LOCATED ADJACENT TO WATER BODIES OR INLETS. SHOULD A SITUATION ARISE THAT REQUIRES THE MATERIAL TO BE STOCKPILED FOR MORE THAN 24 HOURS, SEDIMENT CONTROLS WILL BE PROVIDED TO REDUCE THE POTENTIAL FOR SEDIMENT TRANSPORT.

2. A.1 STABILIZATION PRACTICES

STABILIZATION MEASURES WILL BE INITIATED AS SOON AS PRACTICAL BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
TEMPORARY: WATER EXPOSED SOILS, SEED, MULCH AND SOD IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 104.
PERMANENT: MULCH, SOD, SHRUBS AND TREES

2. A.2 STRUCTURAL PRACTICES

SEDIMENT CONTROLS WILL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE THE FOLLOWING.

TEMPORARY: INLET PROTECTION: FILTER FABRIC, SILT FENCE
COST TO BE INCLUDED IN PAY ITEM 104-18, INLET PROTECTION OR 104-10-3 SEDIMENT BARRIER.

PERMANENT: EXISTING INLETS, SWALES AND DITCH BLOCKS/BERMS AND WALLS

2. B. STORMWATER MANAGEMENT

THE EXISTING STORMWATER MANAGEMENT DESIGN WILL NOT BE ALTERED.

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 MATERIAL INTO THE SURFACE WATER. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES.
DISPOSE OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
DISPOSE OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS OR WETLANDS.
DISPOSE OR RECYCLE MATERIALS IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATION.

2. C.2 OFF-SITE VEHICLE TRACKING & 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.

COVER LOADED HAUL TRUCKS WITH TARPAULINS.
REMOVE EXCESS DIRT FROM ROADS DAILY.
STABILIZE CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106. (CONSTRUCTION ENTRANCES ARE ALREADY STABILIZED FOR THIS PROJECT.)

2. C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH THE APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL AND SANITARY SEWER OR SEPTIC SYSTEMS. ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSE SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.

2. C.4 FERTILIZERS OR PESTICIDES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS, PESTICIDES AND HERBICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS. CONTAINERS WILL BE DISPOSED OF AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS. RINSATE FROM APPLICATORS WILL BE DISPOSED OF PROPERLY, NOT POURED INTO THE LAKES, CANALS OR INLETS. HERBICIDES AND PESTICIDES SHALL BE STORED ONSITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT.

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. ABSORBENT MATERIALS WILL BE KEPT IN THE VEHICLES TO HANDLE ACCIDENTAL SPILLS OR LEAKS FROM VEHICLES AND OTHER EQUIPMENT AND PLASTIC SHEETING SHALL BE AVAILABLE TO PROTECT CONTAMINATED AREAS FROM RAINFALL. THE PROPER AUTHORITIES AT FDOT AND/OR EMERGENCY UNITS SHALL BE CONTACTED SHOULD AN ACCIDENTAL SPILL OCCUR.

CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC HAZARDOUS MATERIALS SPILL CONTROL PLAN IN ORDER TO ADDRESS THE HANDLING OF HYDROCARBON AND HAZARDOUS MATERIALS.

PETROLEUM PRODUCTS SHALL BE STORED IN COVERED AREAS WITH SECONDARY CONTAINMENT SURROUNDING CONTAINER.
TOXIC/HAZARDOUS MATERIALS EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLED AS PER THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2. D. PERMITS: FDEP NPDES PERMIT

THE CONTRACTOR SHALL APPLY TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THE NPDES GENERAL CONSTRUCTION PERMIT PRIOR TO CONSTRUCTION USING AND UPDATING (IF NEEDED) THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

3.0 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:

ALL EROSION CONTROL FEATURES WILL BE MAINTAINED TO FUNCTION AS DESCRIBED IN THE SWPPP AND THE FDOT STANDARDS.
FILTER FABRIC: ROUTINELY REMOVE DIRT AND DEBRIS FROM THE FABRIC SO AS NOT TO IMPEDE WATER FLOW. TORN FABRICS WILL BE REPLACED IMMEDIATELY.
SODDING: REPAIR WASHOUTS AND BARE SPOTS IMMEDIATELY.
SILT FENCE: SILT FENCE WILL BE INSTALLED PER FDOT STANDARDS. TORN OR BREACHED FENCE WILL BE REPAIRED IMMEDIATELY. SILT BUILD-UP CAUSING EXCESS PONDING WILL BE REMOVED AS NEEDED AND PRIOR TO THE FINAL REMOVAL OF THE SILT FENCE.
BUFFER ZONES: STABILIZE BARE SPOTS.

4.0 INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS .50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE THE SITE HAS BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO ENSURE THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
POINTS OF DISCHARGE TO SURFACE WATERS OR WETLANDS

POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS (INLET)
DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
STRUCTURAL CONTROLS FOR EXAMPLE FILTER FABRIC AND SILT FENCE
LOCATIONS HERE VEHICLES ENTER OR EXIT THE SITE (TRACKING)
STORMWATER MANAGEMENT SYSTEMS

5.0 NON-STORMWATER DISCHARGES

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

WATER FROM DUST CONTROL OPERATIONS
EQUIPMENT WASHOUT
IRRIGATION

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR IS TO CEASE OPERATIONS IN THAT AREA. THE CONTRACTOR SHALL CONTACT TERRI NEWMAN, DISTRICT CONTAMINATION IMPACT COORDINATOR AT 386-961-7713.

REVISIONS				SCOTT CARTER, P.E. P.E. NO.: 48930 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORM WATER POLLUTION PREVENTION PLAN	SHEET NO.
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1.

NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE, DETOUR OR MOT PHASE CHANGE BY SUBMITTING THE REQUIRED ELECTRONIC LANE CLOSURE FORM (HTTP://GIS.ATECTRANS.NET/LCIS/), SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER TO THE DISTRICT TRAFFIC OPERATIONS OFFICE.
2.

AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CLOSED LANE(S) SHALL BE REOPENED UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL, AT NO ADDITIONAL COST.
3.

THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL IS AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
4.

LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. PEAK HOURS ARE THE SAME TIME PERIOD 7 DAYS A WEEK.

FROM SAN PABLO ROAD TO PENMAN ROAD: EASTBOUND PEAK HOURS ARE 4:00 PM TO 7:00 PM; WESTBOUND PEAK HOURS ARE 6:30 AM TO 9:00 AM.
FROM PENMAN ROAD TO SOUTH 12TH STREET: PEAK HOURS ARE 6:30 AM TO 8:00 PM IN BOTH DIRECTIONS.

DAYTIME LANE CLOSURES ARE NOT ALLOWED DURING TOURIST SEASON FROM CHRISTMAS THROUGH EASTER. NO EXISTING LANES SHALL BE CLOSED ON SATURDAY, SUNDAY, OR ANY HOLIDAY. NO EXISTING LANES SHALL BE CLOSED DURING SPECIAL EVENTS AS DETERMINED BY THE ENGINEER.
5.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE INSTALLED AT LEAST TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION WITH THE MESSAGE(S) AS DIRECTED BY THE ENGINEER.

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) DETAIL:
PRIOR TO CONSTRUCTION

LOCATION OF BOARDS: SEE TRAFFIC CONTROL PLANS

USED: FROM -- -- -- -- AT -- : -- AM/PM
 TO -- -- -- -- AT -- : -- AM/PM

MESSAGE PROGRAMMED BY: -----

	M	E	D	I	A	N	
		W	O	R	K		
	A	H	E	A	D		

TIMING:

MESSAGE 1 WILL RUN 5.00 SECONDS
MESSAGE 2 WILL RUN 0.00 SECONDS

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) DETAIL:
DURING CONSTRUCTION

LOCATION OF BOARDS: SEE TRAFFIC CONTROL PLANS

USED: FROM -- -- -- -- AT -- : -- AM/PM
 TO -- -- -- -- AT -- : -- AM/PM

MESSAGE PROGRAMMED BY: -----

MESSAGE 1:

	M	E	D	I	A	N	
		W	O	R	K		
	B	E	G	I	N	S	

MESSAGE 2:

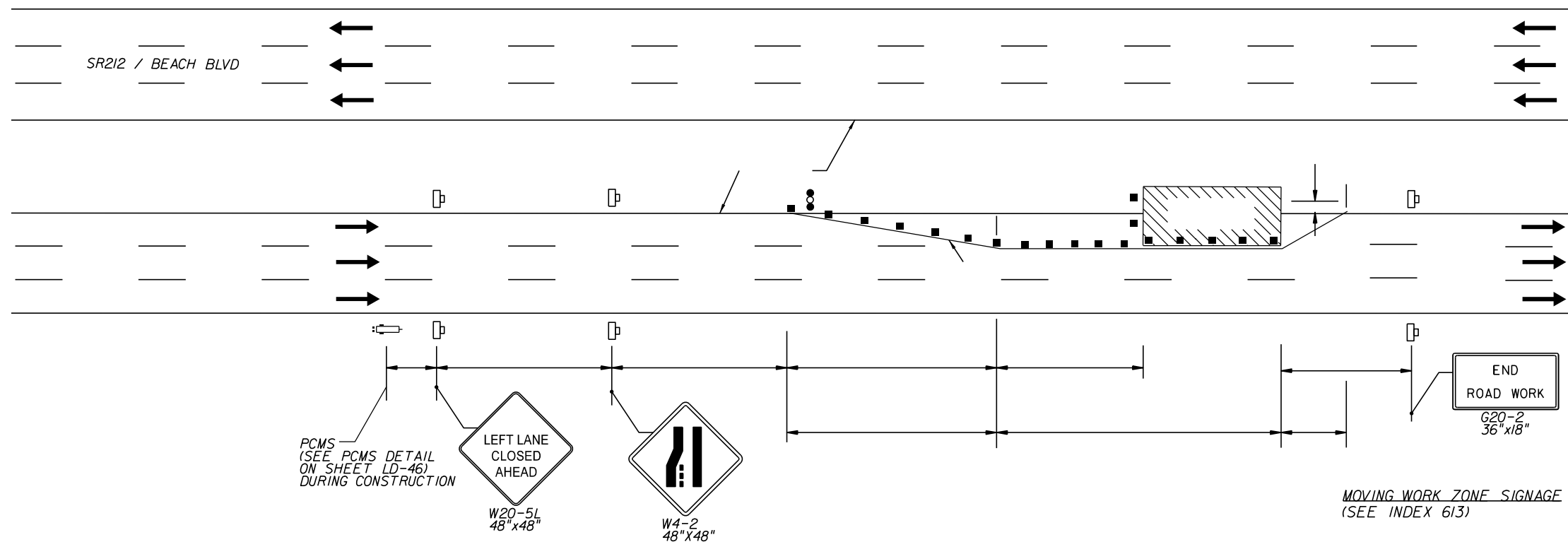
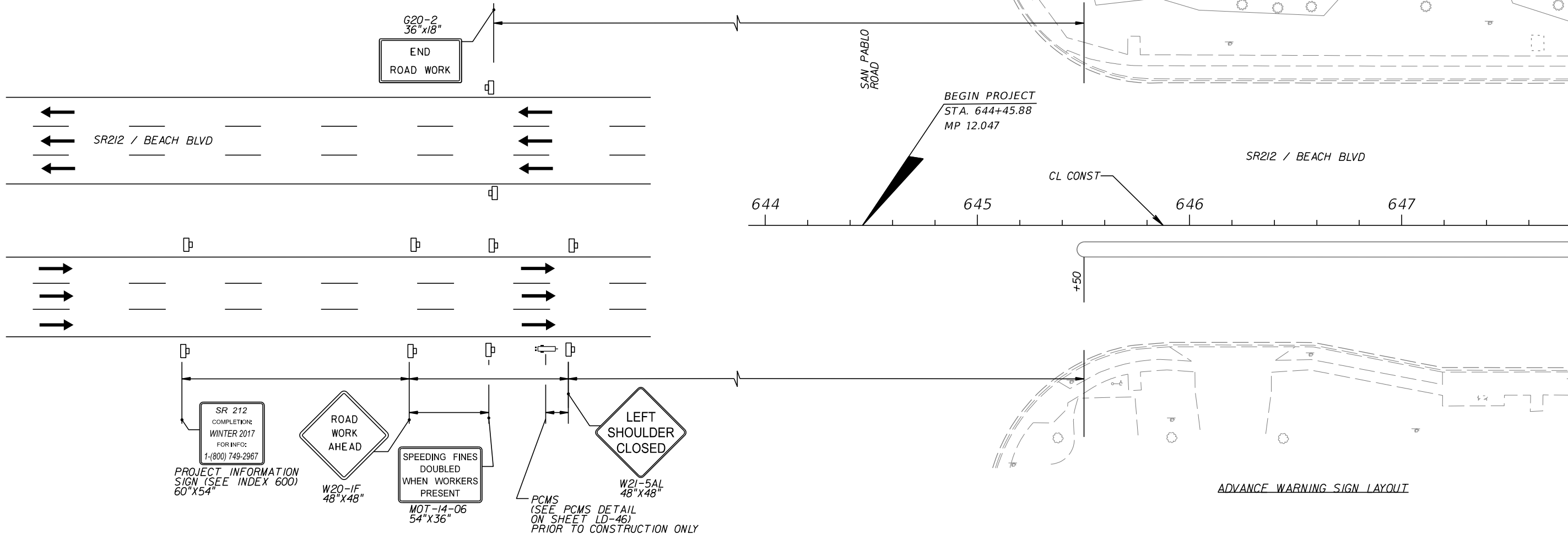
		S	E	P	T		
		2	0	1	6		

TIMING:

MESSAGE 1 WILL RUN 5.00 SECONDS
MESSAGE 2 WILL RUN 5.00 SECONDS

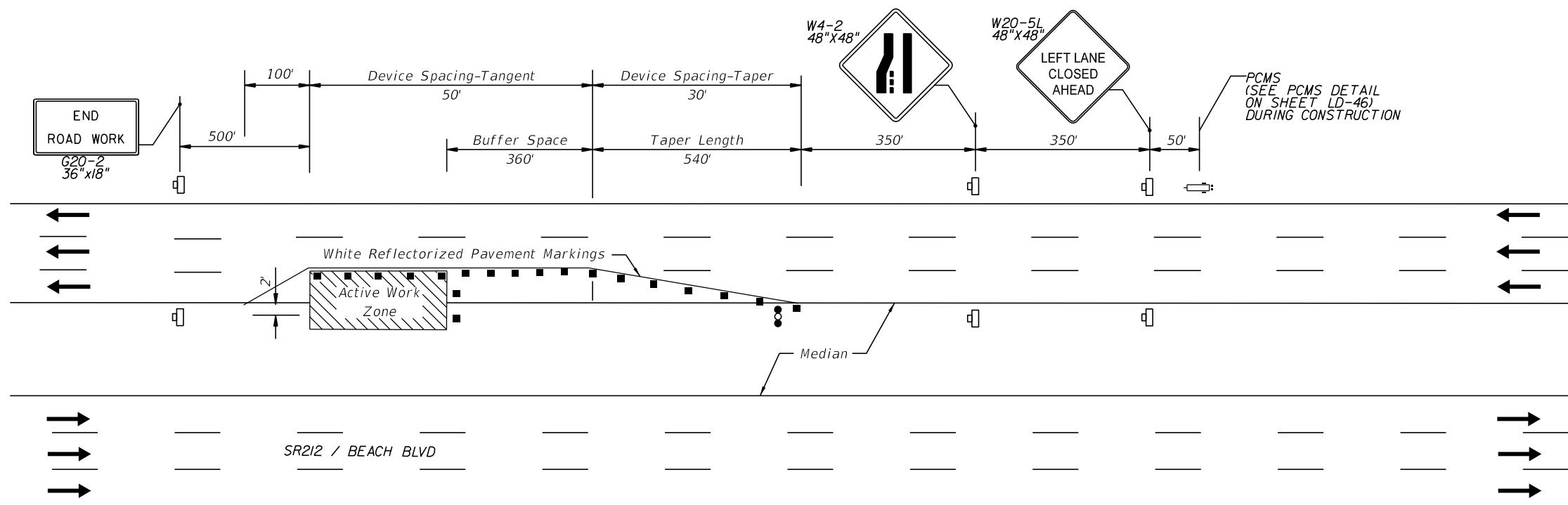
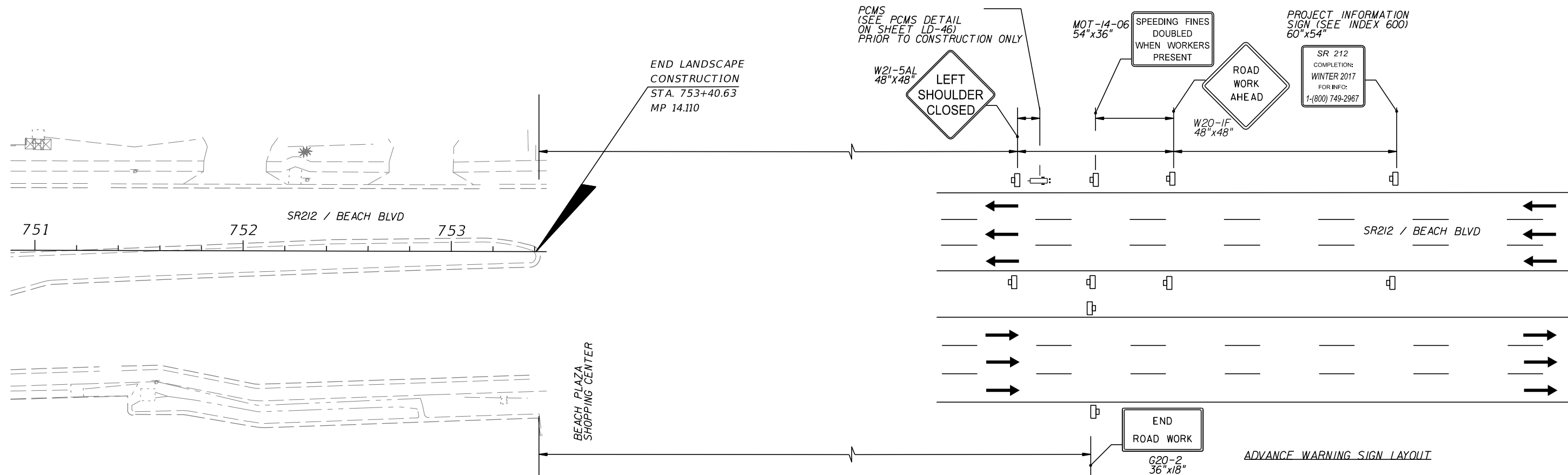
REVISIONS				SCOTT CARTER, P.E. P.E. NO.: 48930 PROSSER, INC. 13901 SUTTON PARK DRIVE SOUTH, SUITE 200 JACKSONVILLE, FL 32224 CERTIFICATE OF AUTHORIZATION: 00004050	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-52
					SR 212	DUVAL	431962-1-52-01		

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MOVING WORK ZONE SIGNAGE
(SEE INDEX 613)

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
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LANDSCAPE MAINTENANCE PLAN

UTILIZE THIS MAINTENANCE PLAN DURING INSTALLATION AND ESTABLISHMENT PERIODS. ACTIVITIES AND FREQUENCIES SHOWN REPRESENT THE MINIMUM REQUIREMENTS. ADDITIONAL CYCLES MAY BE NECESSARY TO PROVIDE THE MINIMUM ACCEPTABLE MAINTENANCE STANDARDS, AS ESTABLISHED BY THE LANDSCAPE PLANS AND THE FDOT MAINTENANCE RATING PROGRAM.		
ACTIVITY	MINIMUM CYCLES/YR	DESCRIPTION
MOWING	12	MOW GRASS FROM R/W TO R/W FOR THE ENTIRE PROJECT LIMITS AND AS NOTED ON THE LANDSCAPE PLANS.
WATERING /IRRIGATION	AS REQUIRED	MONITOR IRRIGATION SYSTEM TO ENSURE PROPER OPERATION AND SCHEDULING TO PROVIDE OPTIMUM GROWING CONDITIONS AND TO MAINTAIN PLANT QUALITY. SUPPLY HAND-WATERING IF IRRIGATION SYSTEM IS NOT OPERATIONAL, WATER SOURCE SHALL BE APPROVED BY THE ENGINEER, OBTAIN WATER TEST AND SUBMIT RESULTS TO ENGINEER FOR APPROVAL, PRIOR TO APPLYING HAND WATERING.
LITTER REMOVAL	12	PERFORM LITTER REMOVAL CYCLE PRIOR TO EACH MOWING CYCLE. LITTER PICK-UP SHALL ALSO INCLUDE REMOVAL OF FALLEN BRANCHES AND PALM FRONDS.
EDGING	12	PERFORM EDGING CYCLE AT EACH MOWING CYCLE. MECHANICAL EDGING SHALL BE USED FOR TURF ADJACENT TO WALKWAY, PAVEMENT, CURB AND CURBED MEDIANS. CHEMICAL HERBICIDE EDGING CAN BE USED ON TREE RINGS AND PLANTING BEDS, TAKING PRECAUTIONS TO AVOID OVERSPRAY ONTO LANDSCAPE PLANTS.
WEEDING	12	MAINTAIN PLANTING BEDS AND TREE RINGS WEED FREE AT ALL TIMES. AT A MINIMUM, PERFORM WEEDING BY GLYPHOSATE POST-EMERGENT CHEMICAL APPLICATION WITH PIGMENTED TRACER. HERBICIDE APPLICATIONS SHALL INCLUDE 'SEDGE' SPECIFIC POST-EMERGENT HERBICIDE, APPLIED PER MANUFACTURE'S SPECIFICATIONS. WEEDS ABOVE 12 INCHES SHALL BE HAND REMOVED, PRIOR TO HERBICIDE APPLICATION.
FERTILIZATION	1	ALL PLANT MATERIAL AND PALMS SHALL BE FERTILIZED WITH A 12 MONTH SLOW RELEASE TOP DRESSING FERTILIZER WITH A MINOR ELEMENT PACKAGE TO INCLUDE (BUT NOT LIMITED TO) CALCIUM, MAGNESIUM, SULFUR, IRON, COPPER, MANGANESE, MOLYBDENUM, ZINC AND BORON. ALL PLANT MATERIALS SHALL BE FERTILIZED AT THE TIME OF PLANTING, YEARLY DURING THE ESTABLISHMENT PERIOD, AND 30 DAYS PRIOR TO COMPLETION OF THE ESTABLISHMENT PERIOD. NOTIFY THE ENGINEER IN WRITING 48 HOURS IN ADVANCE OF ALL FERTILIZER APPLICATIONS.
PLANT REPLACEMENT	MONTHLY	MONITOR PLANT MATERIALS TO ENSURE THE MINIMUM ACCEPTABLE MAINTENANCE STANDARDS ARE BEING MET. PLANT MATERIAL THAT IS DISEASED OR FALLS BELOW THE MINIMUM STANDARDS SHALL BE REMOVED AND REPLACED. REPLACE PLANTS WITH THE SAME GRADE, SIZE AND SPECIFICATION AS ORIGINALLY PROVIDED FOR IN THE PROJECT PLANS AND SPECIFICATIONS.
CHEMICAL APPLICATIONS	MONTHLY	MONITOR PLANT MATERIALS FOR PEST INFESTATION AND DISEASE TO INCLUDE BUT NOT LIMITED TO INSECTS, GRUBS, MITES, MOLD, ETC. APPLY FUNGICIDE AND PESTICIDES PER MANUFACTURES RECOMMENDATIONS. SUBMIT DOCUMENTATION IN WRITING TO THE ENGINEER FOR EACH CHEMICAL TYPE APPLIED, RATES OF APPLICATIONS, LOCATIONS, DATES OF APPLICATION AND APPLICATOR'S NAME AND LICENSE INFORMATION.
WATER SAUCERS, AND STAKING	AS REQUIRED	MONITOR AND REPAIR WATER SAUCERS THROUGHOUT THE ESTABLISHMENT PERIOD. MONITOR STAKING THROUGHOUT THE ESTABLISHMENT PERIOD TO MAINTAIN TREES VERTICALLY PLUMB, REPAIR STAKES/GUYING AS NECESSARY.
MULCH	2	MAINTAIN MINIMUM OF THREE (3) INCHES COMPACTED DEPTH OF MULCH MATERIALS WITHIN ALL PLANTING BEDS AND TREE RINGS PER THE PROJECT PLANS. REPLENISH BETWEEN MULCH APPLICATIONS TO MAINTAIN THREE INCH DEPTH. PERFORM FULL MULCH APPLICATION UPON PLANT INSTALLATION.
PRUNING	MONTHLY	TREES: PRUNE AT INSTALLATION TO MEET FL#1 REQUIREMENTS, TO MAINTAIN HORIZONTAL CLEARANCE (PER FDOT DESIGN STANDARDS) AND TO REMOVE ALL SUCKERS, DEAD, DISEASED OR BROKEN BRANCHES. PALMS: PRUNE AT INSTALLATION TO MEET FL#1 REQUIREMENTS, REMOVE BROKEN OR DEAD FRONDS AND FLOWER/SEED STALKS AND AS NECESSARY THROUGHOUT THE ESTABLISHMENT PERIOD. MAINTAIN VERTICAL CLEARANCE SO THAT THERE ARE NO ENCROACHMENT OF TREES LIMBS, PALM FRONDS OR OTHER VEGETATION ABOVE THE ROADWAY SURFACE. REMOVE AND/OR PRUNE VEGETATION OR PARTS OF VEGETATION THAT PRESENT A VISIBLE HAZARD TO THOSE USING THE ROADWAY.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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