

CORAL SPRINGS LOCAL AGENCY PROGRAM

LANDSCAPE & IRRIGATION, PHASE 2 IMPROVEMENTS

SAMPLE ROAD (MILEPOINTS 13.274 TO 13.742) / STATE ROAD 7(441) (MILEPOINTS 20.416 TO 21.439)

PREPARED FOR:

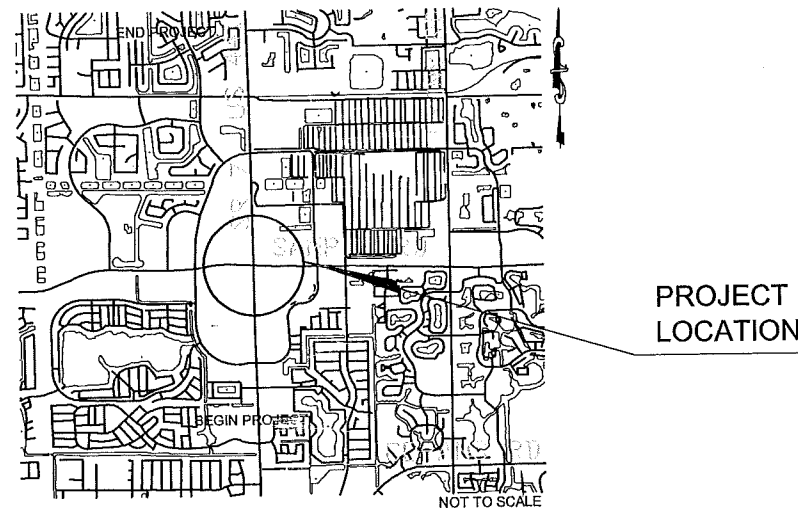
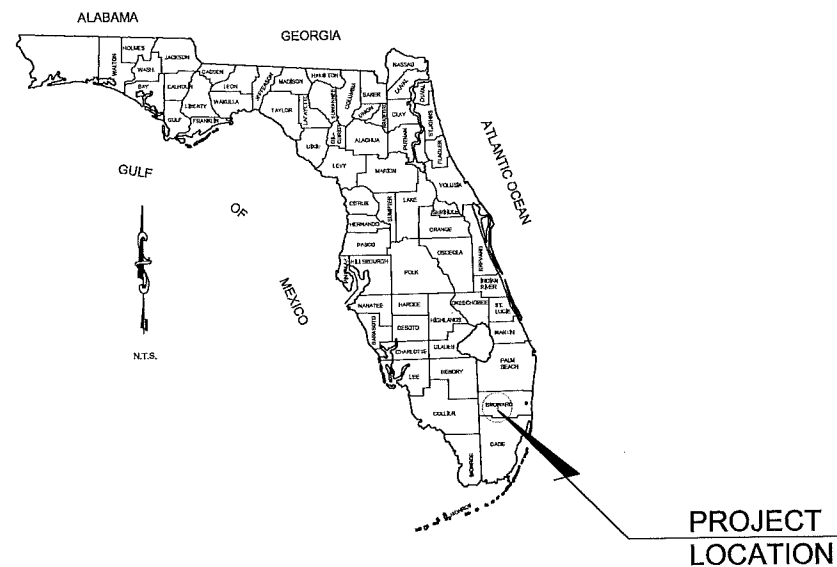
CITIES OF CORAL SPRINGS, COCONUT CREEK & MARGATE, FLORIDA

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SITE LOCATION MAP
BROWARD, FL
SECTION 13 TOWNSHIP 48 RANGE 41

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, DATED JANUARY 2006 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2006, AS AMENDED BY CONTRACT DOCUMENTS.

DESIGN SPEED OF ROAD: 55 MPH
 MAINTAINING AGENCY: CITY OF CORAL SPRINGS, FLORIDA
 CONTACT NAME: SUSAN HESS, AICP DIRECTOR OF COMMUNITY DEVELOPMENT
 CONTACT ADDRESS: 9551 W. SAMPLE RD., CORAL SPRINGS FL. 33065
 CONTACT TELEPHONE: 954-344-1114

PLANS PREPARED BY:

Carter :: Burgess

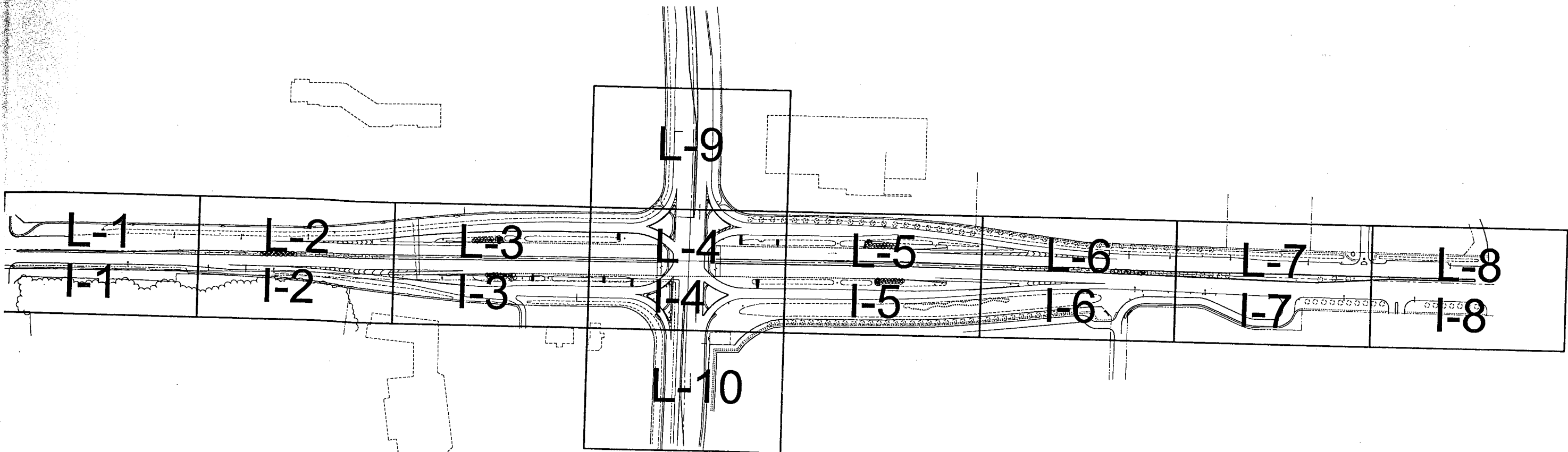
CARTER & BURGESS, INC.
6363 N.W. 6 Way, Suite 300
Fort Lauderdale, Florida 33309

Corporate License No. P22789

CONTRACTOR IS TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
CALL SUNSHINE 1-800-432-4770
 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY

SIGNATURE: _____
 NAME: _____
 LICENSE NUMBER: _____
 DATE: _____

CARTER & BURGESS PROJECT NUMBER: 470109.107



NOTE:
 NO SURVEY WAS PERFORMED TO
 VERIFY THE BASE FILE PROVIDED FROM
 MILLER LEGG & ASSOCIATES
 DATED: 5.12.06
 FILE NAME: 22608XREF.DWG



DATE	BY	DESCRIPTION	REVISIONS		
			DATE	BY	DESCRIPTION

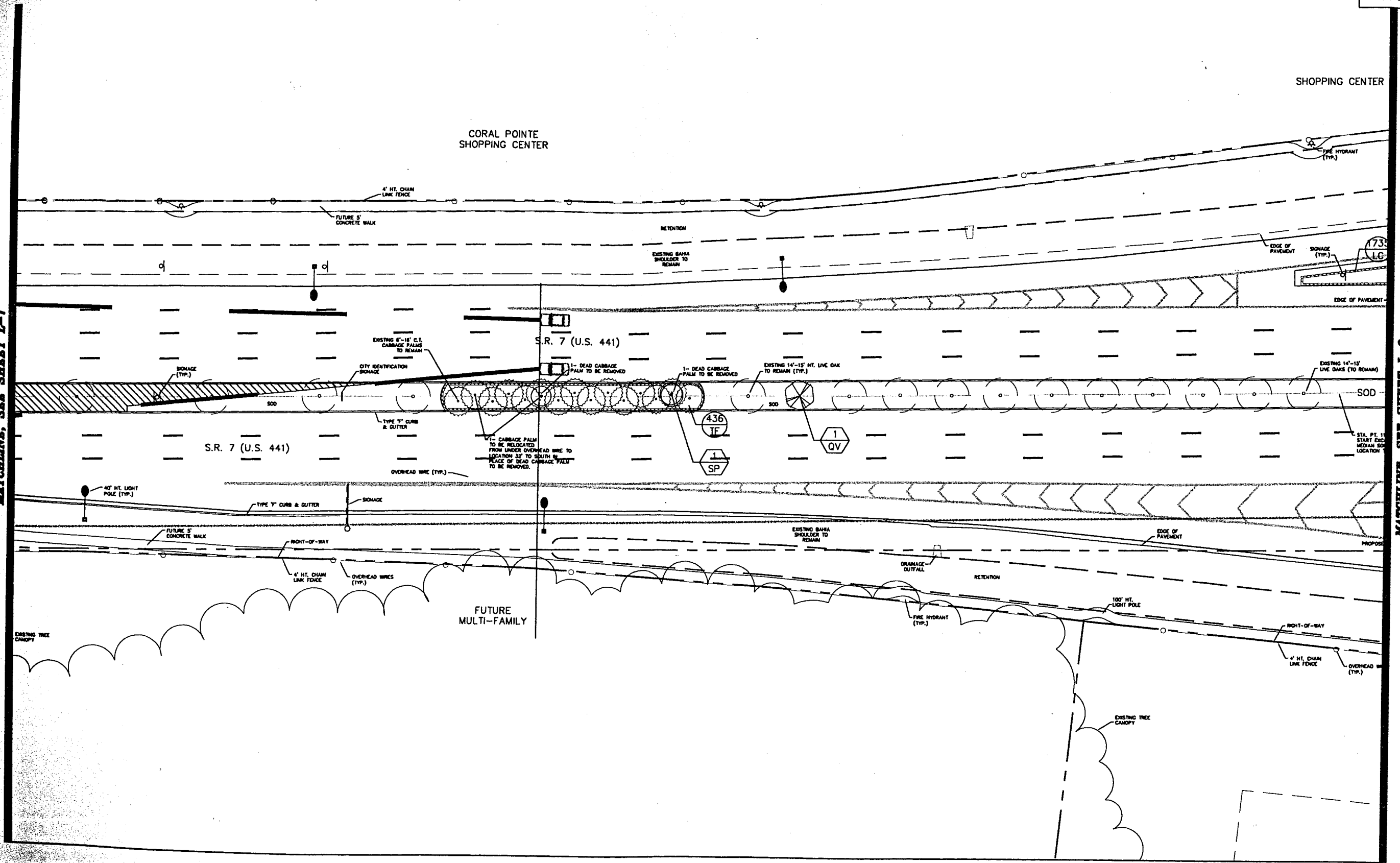
CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

KEY MAP

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		

MATCHLINE, SEE SHEET L-1

MATCHLINE, SEE SHEET L-3



NO.	DESCRIPTION	DATE	BY	REVISIONS			
				DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS L.P., SAMPLE RD./ST.RD.7-US 441

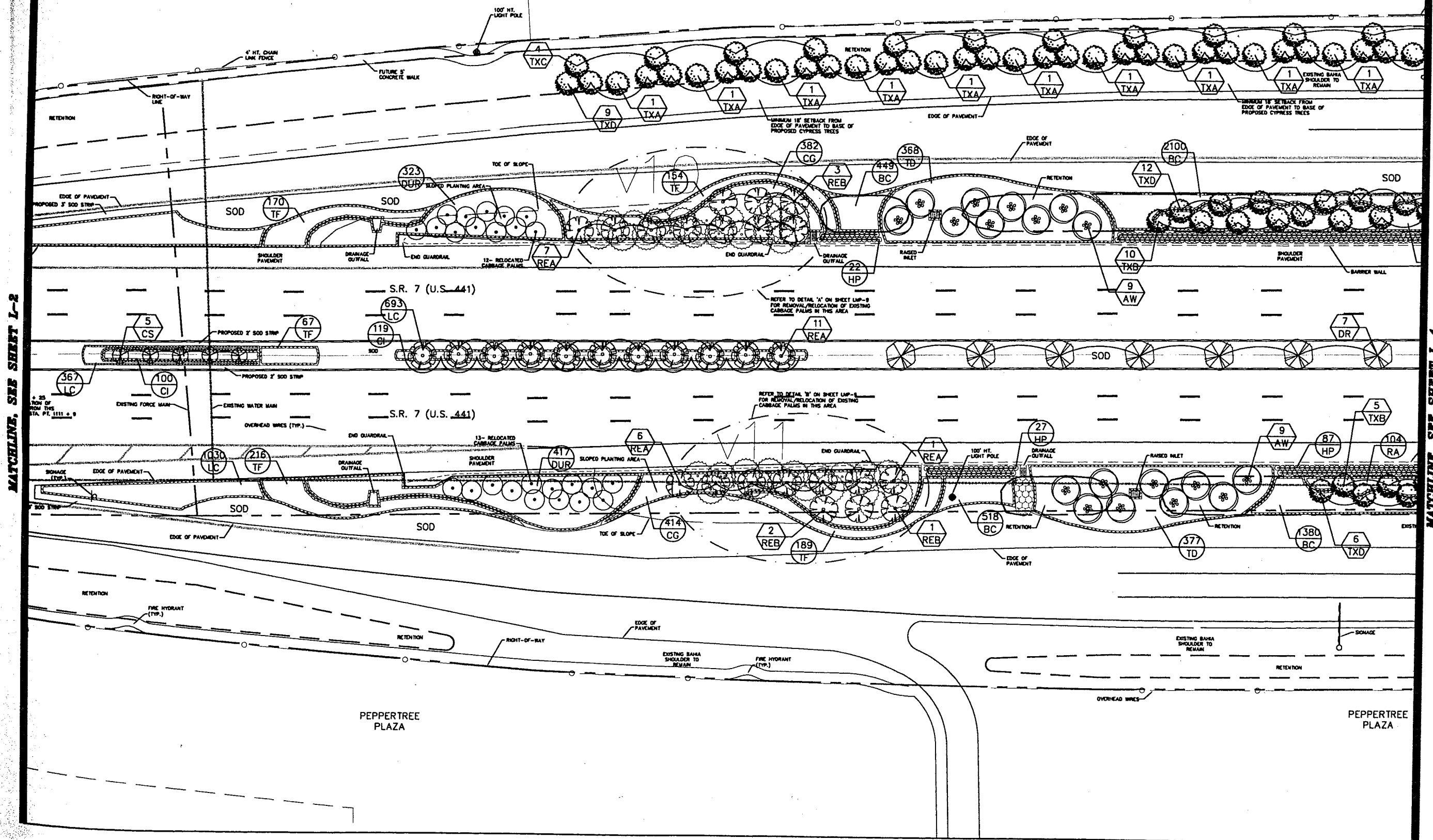
LANDSCAPE PLANTING PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE	1"=50'				



FUTURE MULTI-FAMILY DEVELOPMENT

MULTI-FAMILY DEVELOPMENT



MATCHLINE, SEE SHEET L-2

MATCHLINE, SEE SHEET L-4

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

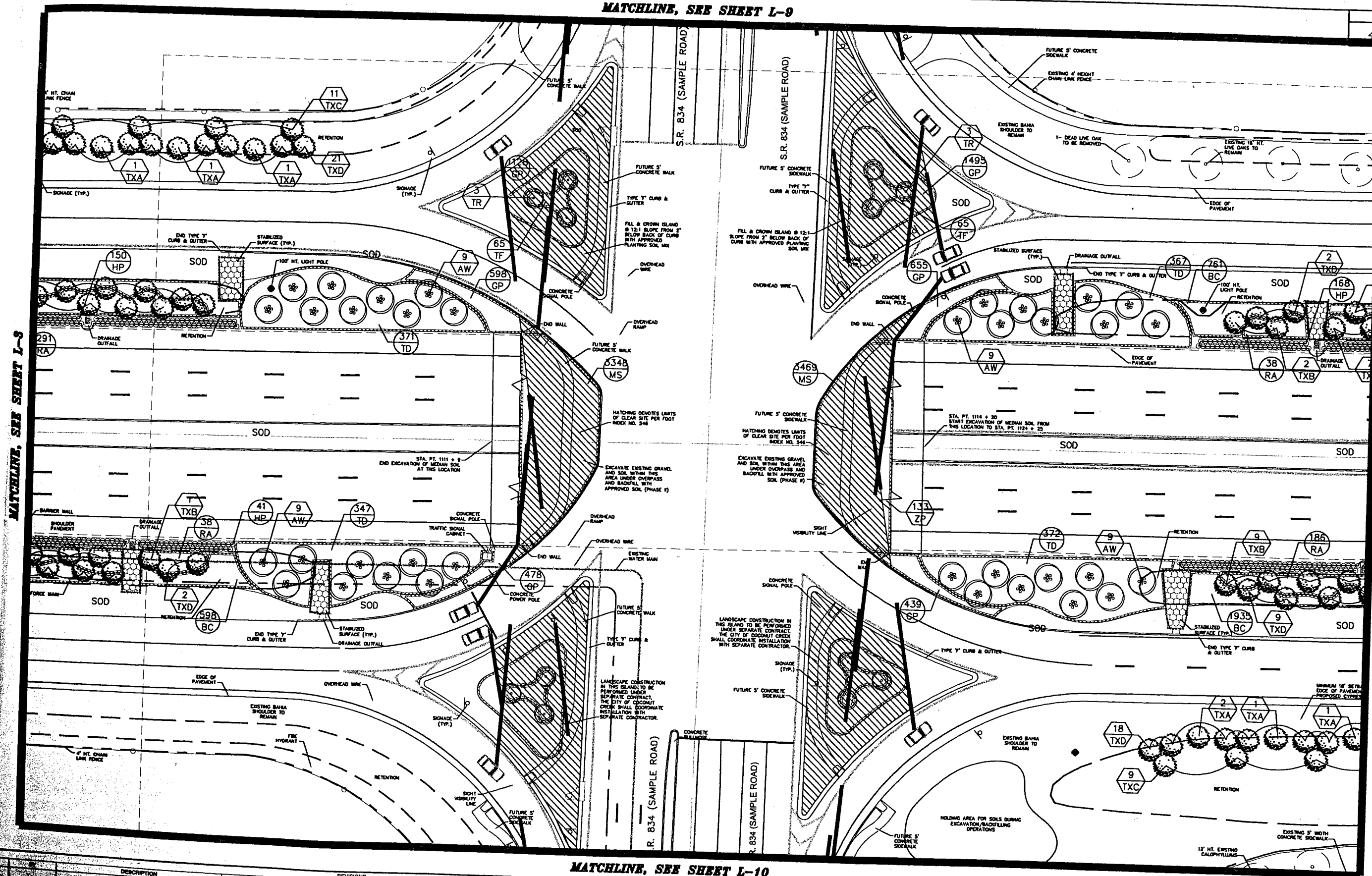
CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441
LANDSCAPE PLANTING PLAN

NAME	DATE	NAME	DATE
DESIGNED BY: HB	5/20/06	DRAWN BY: HB	5/20/06
CHECKED BY:		CHECKED BY:	
SCALE: 1"=50'			



MATCHLINE, SEE SHEET L-9

PROJECT NO. 470236
SHEET NO. L-4



MATCHLINE, SEE SHEET L-3

MATCHLINE, SEE SHEET L-5

MATCHLINE, SEE SHEET L-10

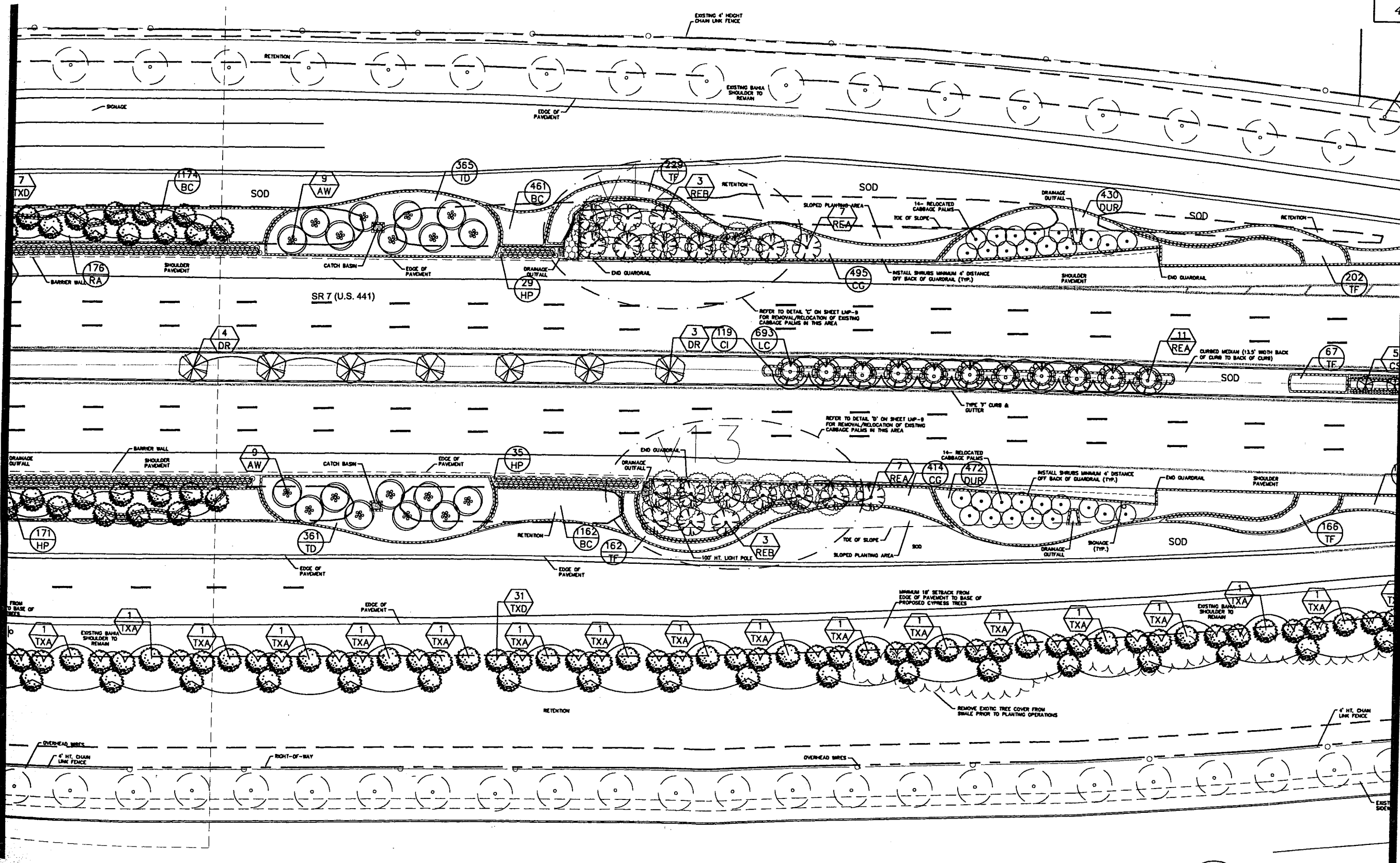
CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

LANDSCAPE PLANTING PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
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CHECKED BY			CHECKED BY		
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MATCHLINE, SEE SHEET L-4

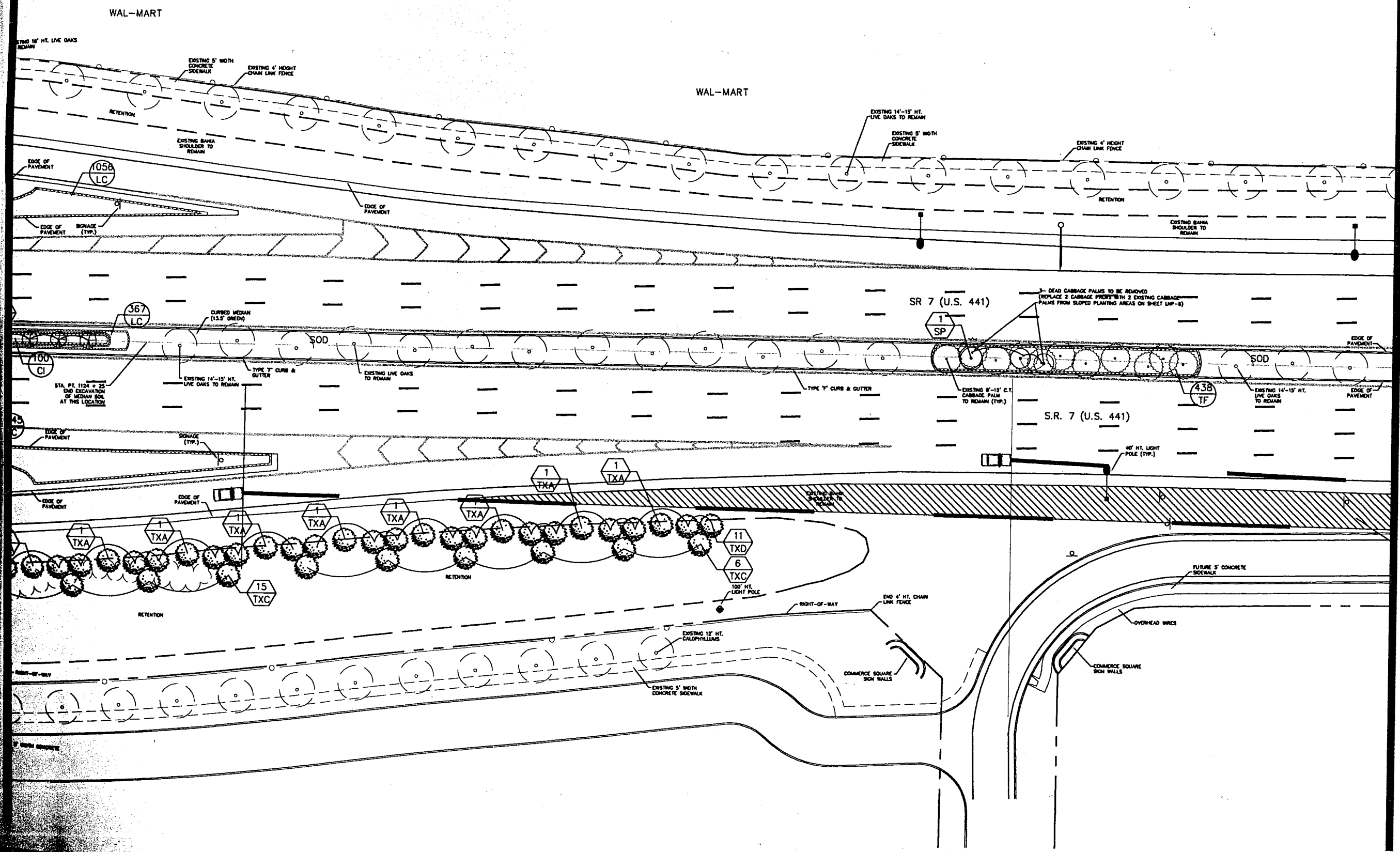
MATCHLINE, SEE SHEET L-6



NO.	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441
 LANDSCAPE PLANTING PLAN

NAME	DATE	NAME	DATE
DESIGNED BY: HB	5/20/06	DRAWN BY: HB	5/20/06
CHECKED BY:		CHECKED BY:	
SCALE: 1"=50'			



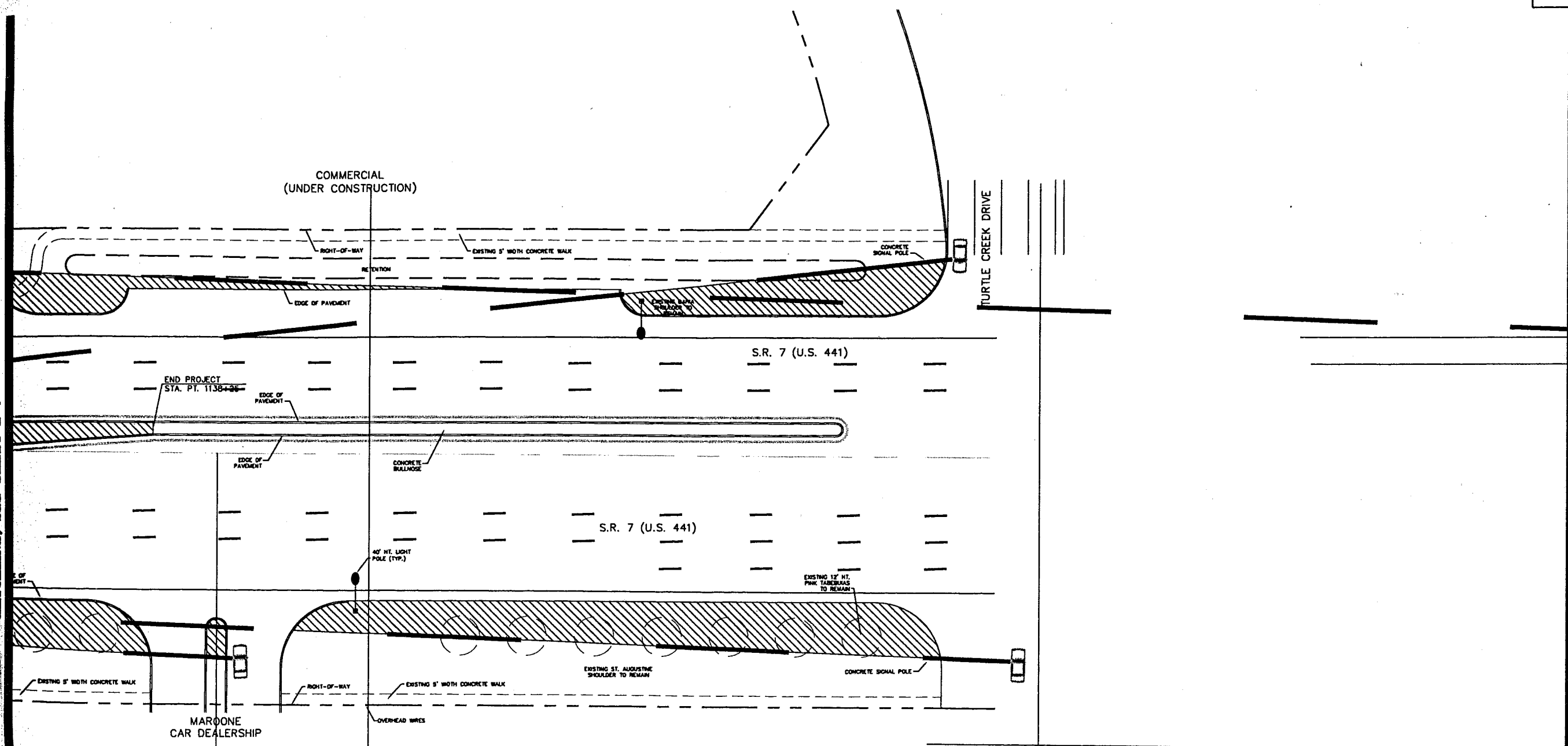
DESCRIPTION	DATE	BY	REVISIONS	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS L.A.P., SAMPLE RD./ST.RD.7-US 441

LANDSCAPE PLANTING PLAN

NAME	DATE	NAME	DATE
DESIGNED BY: HB	5/20/06	DRAWN BY: HB	5/20/06
CHECKED BY:		CHECKED BY:	
SCALE: 1"=50'			



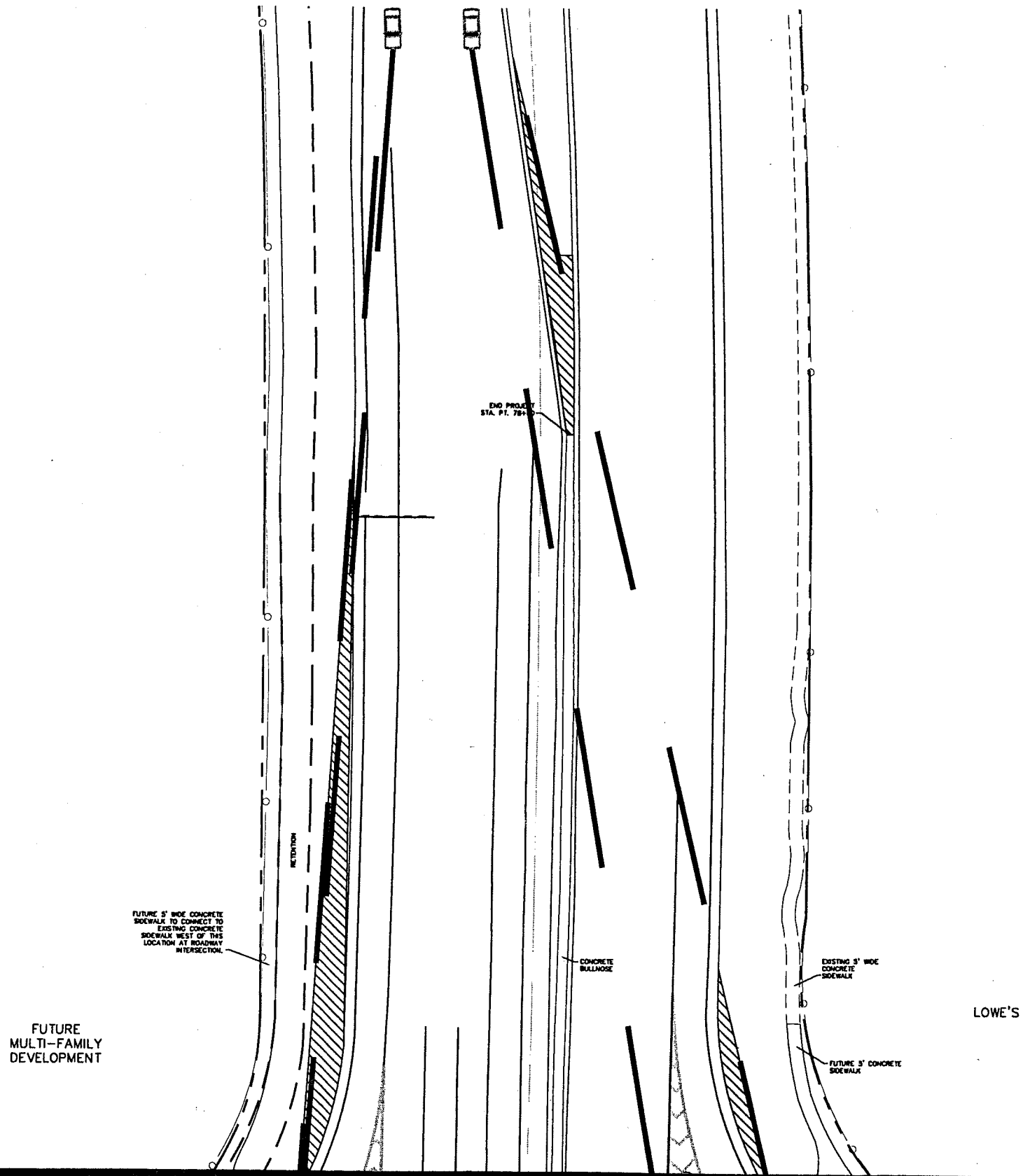


MATCHLINE, SEE SHEET L-9



BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS L.P., SAMPLE RD./ST.RD.7-US 441					
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CHECKED BY			CHECKED BY		
SCALE	1" = 50'				



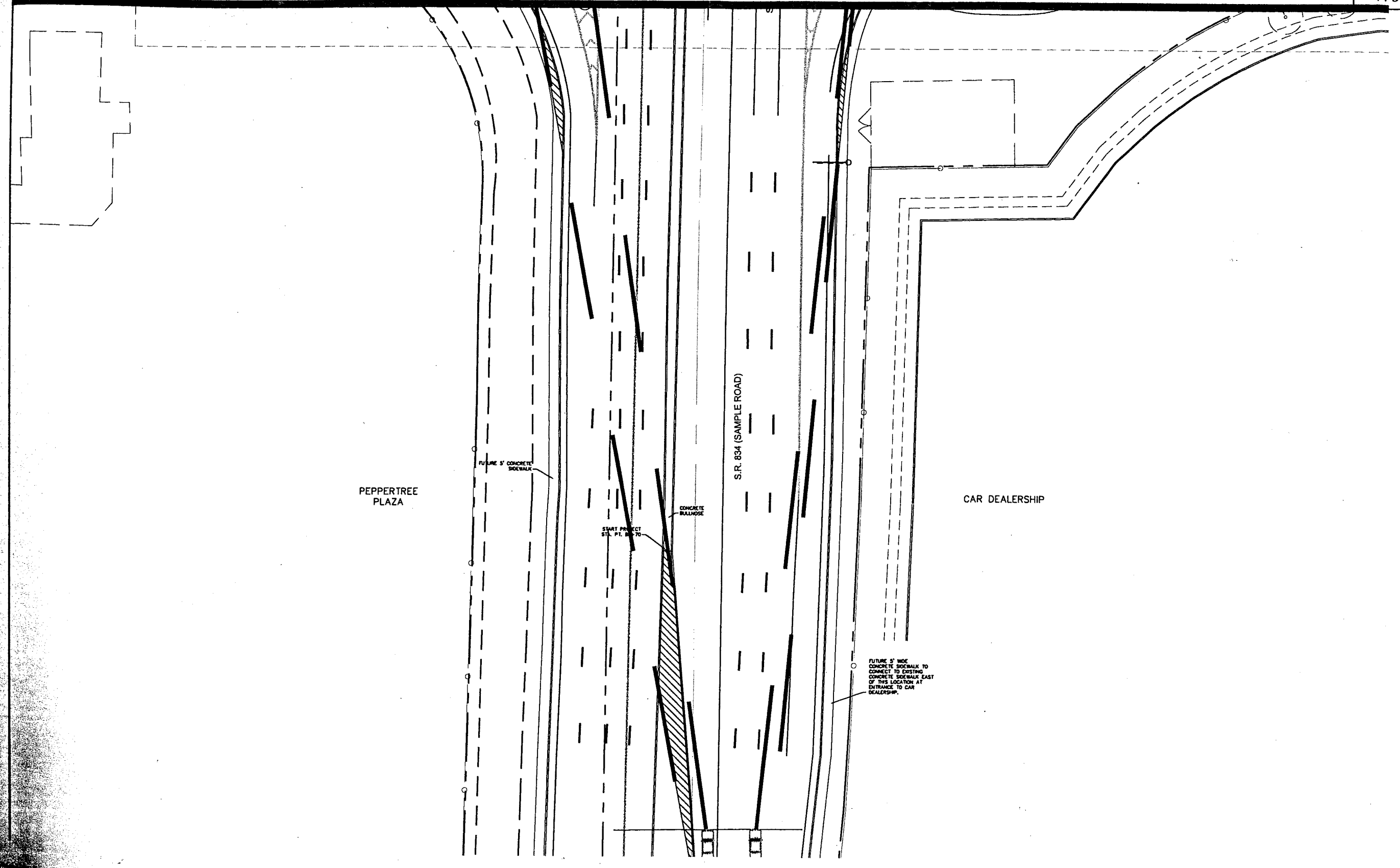
MATCHLINE, SEE SHEET L-4

REVISIONS			DESCRIPTION			CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441					
DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
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						LANDSCAPE PLANTING PLAN					
						SCALE	1"=50'				



MATCHLINE, SEE SHEET L-4

PROJECT NO.	SHEET NO.
470236	L-10



DESCRIPTION		DATE	BY	REVISIONS	DESCRIPTION	DATE	BY

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

LANDSCAPE PLANTING PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	HB	5/20/06		HB	5/20/06
CHECKED BY			CHECKED BY		
SCALE	1" = 50'				

**CORAL SPRINGS LOCAL AGENCY PROGRAM
SAMPLE ROAD/ST.RD 7(441)**

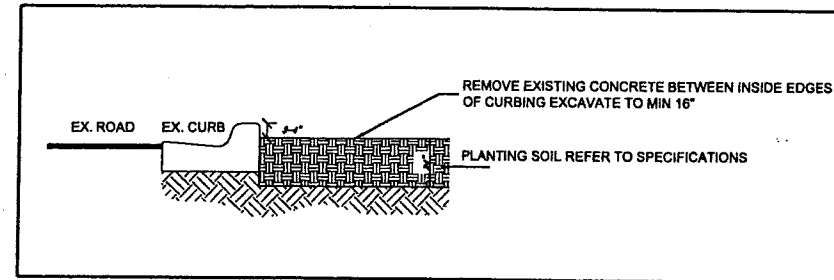
PROJECT NO. 470236 SHEET NO. L-11

PLANT MATERIALS LIST

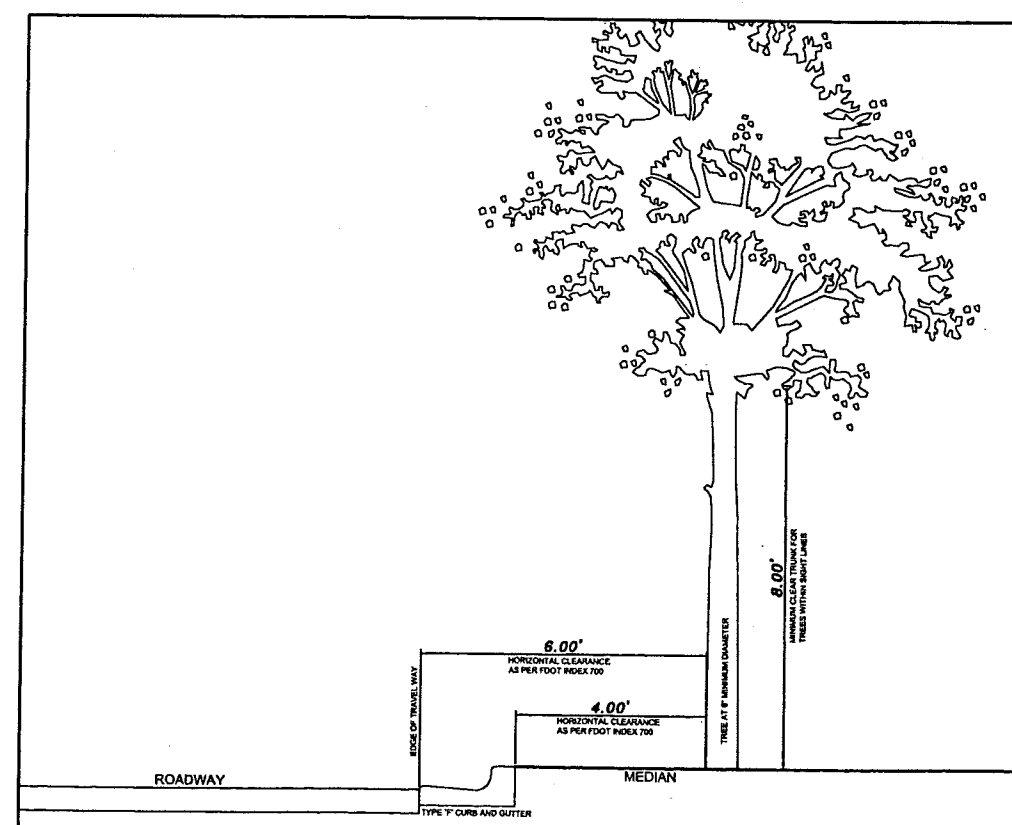
5/20/2006

Available as of January 2006 as determined by *Betrack Information Systems* and *Assn. of Florida Native Nurseries*.
Tolerances of selected trees and shrubs as determined by the *FDOACS, Division of Forestry and University of Florida/IFAS*.

Key	Common Name	Scientific Name	Specifications	SPACING	Qty	COST EA.	Item Total	SUBTotal \$
PALMS (all greater than 20 ft. at maturity)								
AW	Acoelorrhaphes wrightii	Paurotis Palm	16' ht. min. 8 trunks, full	As shown	72	\$ 800.00	\$ 57,600.00	
REA	Roystonea elata	Royal Palm	25' ht., thick d.b.h., matched	As shown	50	\$ 1,560.00	\$ 78,000.00	
REB	Roystonea elata	Royal Palm	20' ht., thick d.b.h., matched	As shown	12	\$ 1,250.00	\$ 15,000.00	
SP	Sabal palmetto	Cabbage Palm	12' c.t., smooth	As shown	2	\$ 180.00	\$ 360.00	
TR	Thrinax radiata	Thatch Palm	14' c.t.	As shown	6	\$ 700.00	\$ 4,200.00	
								\$ 155,160.00
TREES (all greater than 20 ft. at maturity)								
CS	Cordia sebestena	Geiger Tree	10' ht., 5' spr., 1.5" d.b.h., 5' c.t.	15' o.c.	10	\$ 250.00	\$ 2,500.00	
DR	Delonix regia	Royal Poinciana	16' o.a.h., 8' spr., 3" d.b.h., 8' c.t.	As shown	14	\$ 600.00	\$ 8,400.00	
QV	Quercus virginiana	Live Oak	14' o.a.h., 2.5" dbh, 6" c.t. 7' spr	As shown	1	\$ 250.00	\$ 250.00	
TXA	Taxodium distichum	Bald Cypress	16' ht., 8' spr., 3" d.b.h.	As shown	43	\$ 400.00	\$ 17,200.00	
TXB	Taxodium distichum	Bald Cypress	12' ht., 6' spr., 2" d.b.h.	As shown	34	\$ 250.00	\$ 8,500.00	
TXC	Taxodium distichum	Bald Cypress	10' ht., 5' spr., 1.5" d.b.h.	As shown	45	\$ 200.00	\$ 9,000.00	
TXD	Taxodium distichum	Bald Cypress	8' ht., 4' spr., 1" d.b.h.	As shown	128	\$ 180.00	\$ 23,040.00	
								\$ 68,890.00
TALL SHRUBS (less than 8 ft. at maturity)								
CG	Clusia guttifera	Small Leaf Clusia	3 gal., 30" ht.x24" spr	30" o.c.	1705	\$ 10.00	\$ 17,050.00	
CL	Chrysobalanus icaco 'Red Tip'	Cocoplum	3 gal., 24"x24"	24" o.c.	438	\$ 10.00	\$ 4,380.00	
DUR	Duranta repens	Golden Dewdrop	3 gal., 30" ht.x24" spr	30" o.c.	1642	\$ 10.00	\$ 16,420.00	
GP	Gaillardia pulchella	Blanket Flower	4" Pot	12" o.c.	4793	\$ 2.00	\$ 9,586.00	
HP	Hamelia patens 'Dwarf'	Dwarf Firebush	3 gal., 18" ht.x18" spr., full	30" o.c.	730	\$ 10.00	\$ 7,300.00	
LC	Duranta erecta 'Gold Mound'	Gold Mound	1 gal., full	12" o.c.	7786	\$ 5.00	\$ 38,930.00	
MS	Microsorium scolopendrium	Wart Fern	1 gal., 10" spr.	12" o.c.	6817	\$ 6.50	\$ 44,310.50	
								\$ 137,976.60
GROUND COVERS (less than 2 ft. at maturity)								
BC*	Swale Species	Swale Species	Bare Root	As shown below	10538	\$ 0.80	\$ 8,430.40	
RA	Rumohra adiantiformis	Leatherleaf Fern	1 gal., full	36" o.c.	833	\$ 5.00	\$ 4,165.00	
TD	Tripsacum dactyloides	Fakahatchee Grass	3 gal., 24"x24"	36" o.c.	2928	\$ 10.00	\$ 29,280.00	
TF	Tripsacum floridana	Dwarf fakahatchee	3 gal., 18"x18"	24" o.c.	2626	\$ 10.00	\$ 26,260.00	
								\$ 68,135.40
GRASS								
SOD	St. Augustine grass	Stenotaphrum secundatum	Liad tightly		Mod.	\$ 0.37	#VALUE!	
								\$ 430,161.90
Eligible Non-Landscape Costs (must be funded by 50% match):								
MEDIANS PREPARATION								
IRR	Irrigation System Installation	Metered underground system			?	\$ 0.45	#VALUE!	
MAINTENANCE								
MAINT	12 Month Establishment Period	Labor & Materials as necessary			?	\$ 0.15	#VALUE!	
								#VALUE!
								#VALUE!
								#VALUE!
Non-Eligible Project Costs (must be funded 100% by City):								
DSGN	Estimated Professional Fees	Design & Construction Phase						??23000
								#VALUE!
The following plant species shall be mixed within the planting areas labelled as "BC":								
	Iris virginica	Blue Flag Iris	12" O.C		5269	0.6		
	Sagittaria lancifolia	Duck Potato	6" O.C		2634	1.2		
	Pontederia cordata	Pickerelweed	6" O.C		2635	0.6		



1 SECTION THRU EXISTING CONCRETE MEDIAN
L-9 SCALE: 1" = 1'-0"



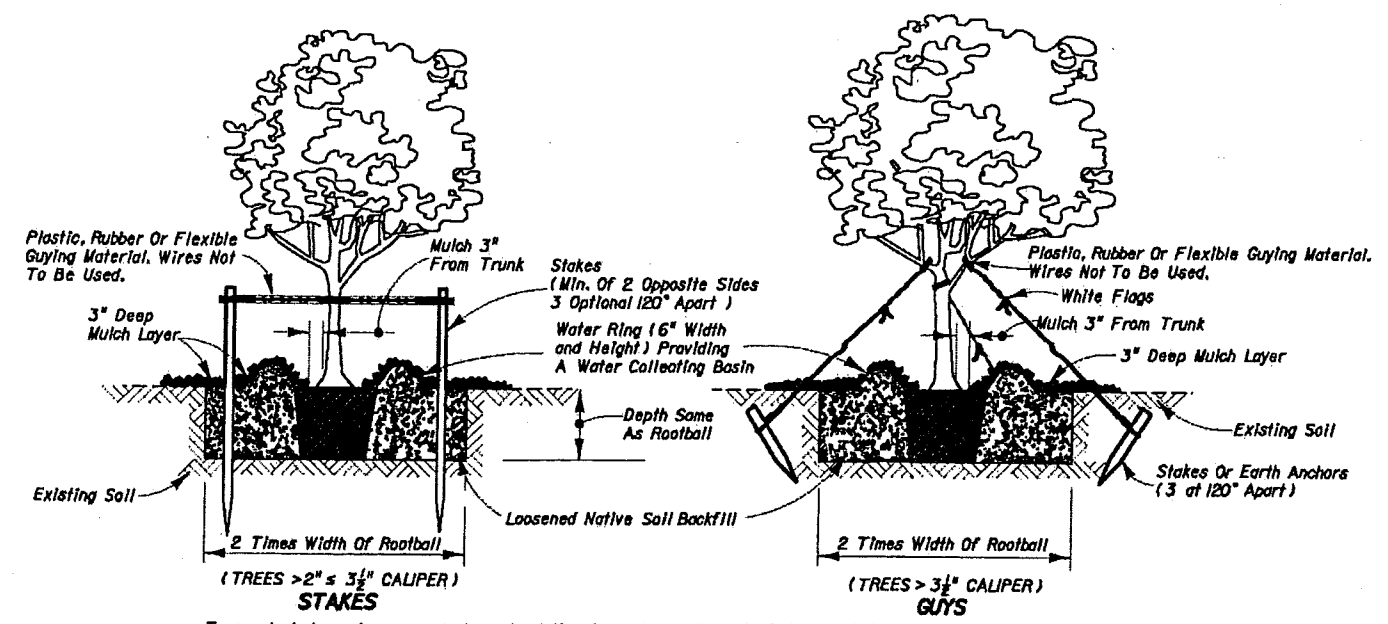
HORIZONTAL CLEAR SITE ZONE (AS PER FDOT INDEX 700)
SCALE: 1" = 1'-0"

SP CONCRETE TO BE REMOVED FOR NEW PLANTING: 1,050 SQ.FT.

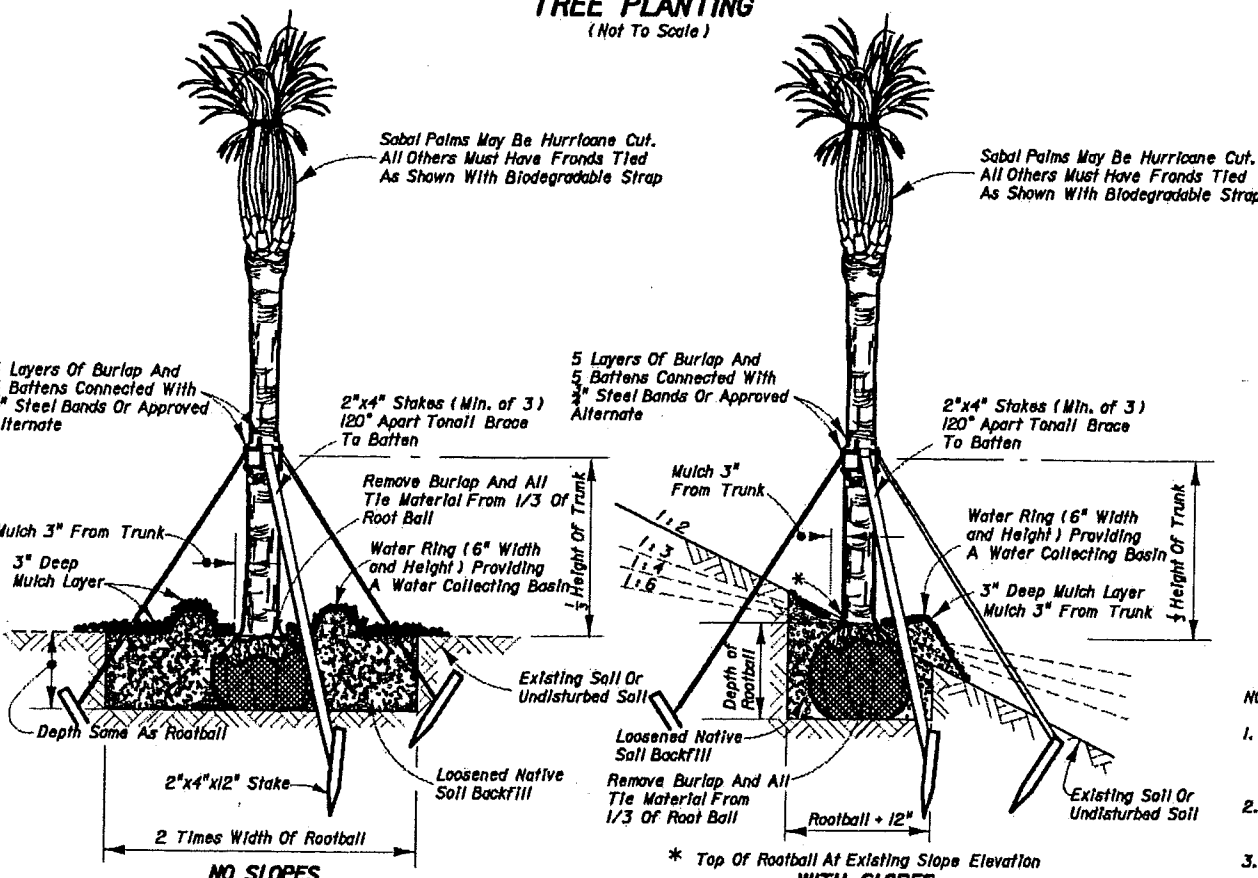
BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441					
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	HB	5/20/06	CHECKED BY	HB	5/20/06
SCALE	N.T.S.				

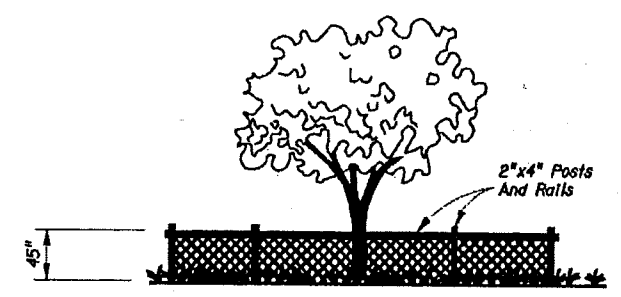
PLANT LIST, GENERAL NOTES, & SPECIFICATIONS



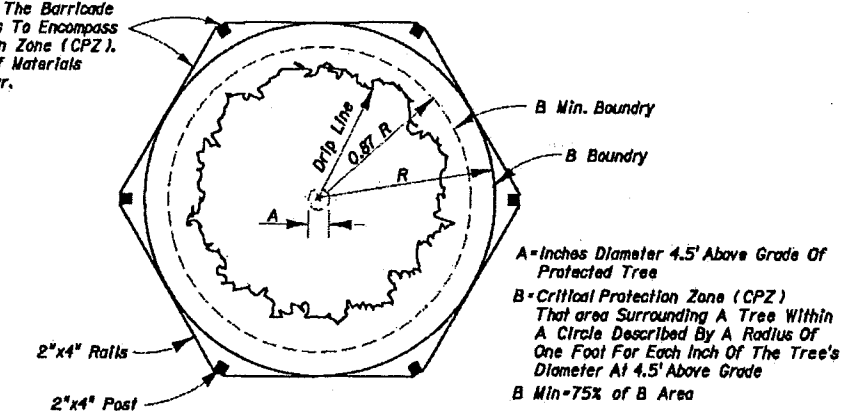
TREE PLANTING
(Not To Scale)



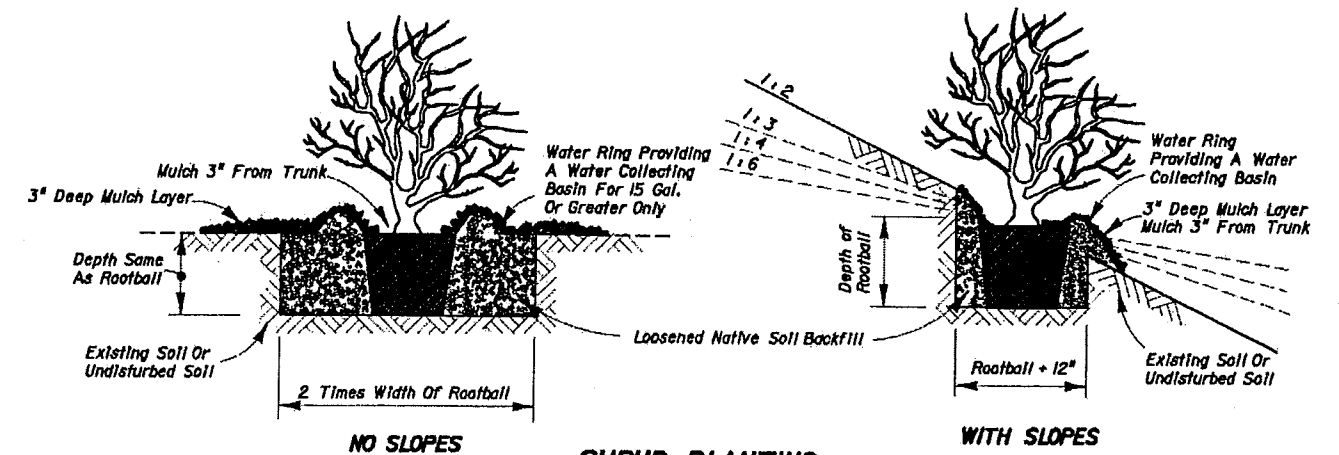
PALM PLANTING
(Not To Scale)



Note:
Barricade With Orange Mesh Construction Fencing. The Barricade Shall Be Placed So As To Encompass The Critical Protection Zone (CPZ). No Work Or Staging Of Materials Within CPZ Shall Occur.



Note: For Groups Of Trees Place Barricades Between Trees and Construction



SHRUB PLANTING
(Not To Scale)

NOTES:

1. All trees and shrubs are to be positioned vertically regardless of the slope of the ground in which they are planted. Water rings are to be constructed which will most effectively serve the purpose of retaining water at the base of the plant.
2. Tree, palm and shrub planting shall be carried out in accordance with Section 580 of the Standard Specifications.
3. For clear sight development and maintenance at intersecting highways, roads and streets see Index No. 546. For offset from travel lane see Index No. 700.
4. The top 10% of rootball shall be above soil surface prior to mulch application.

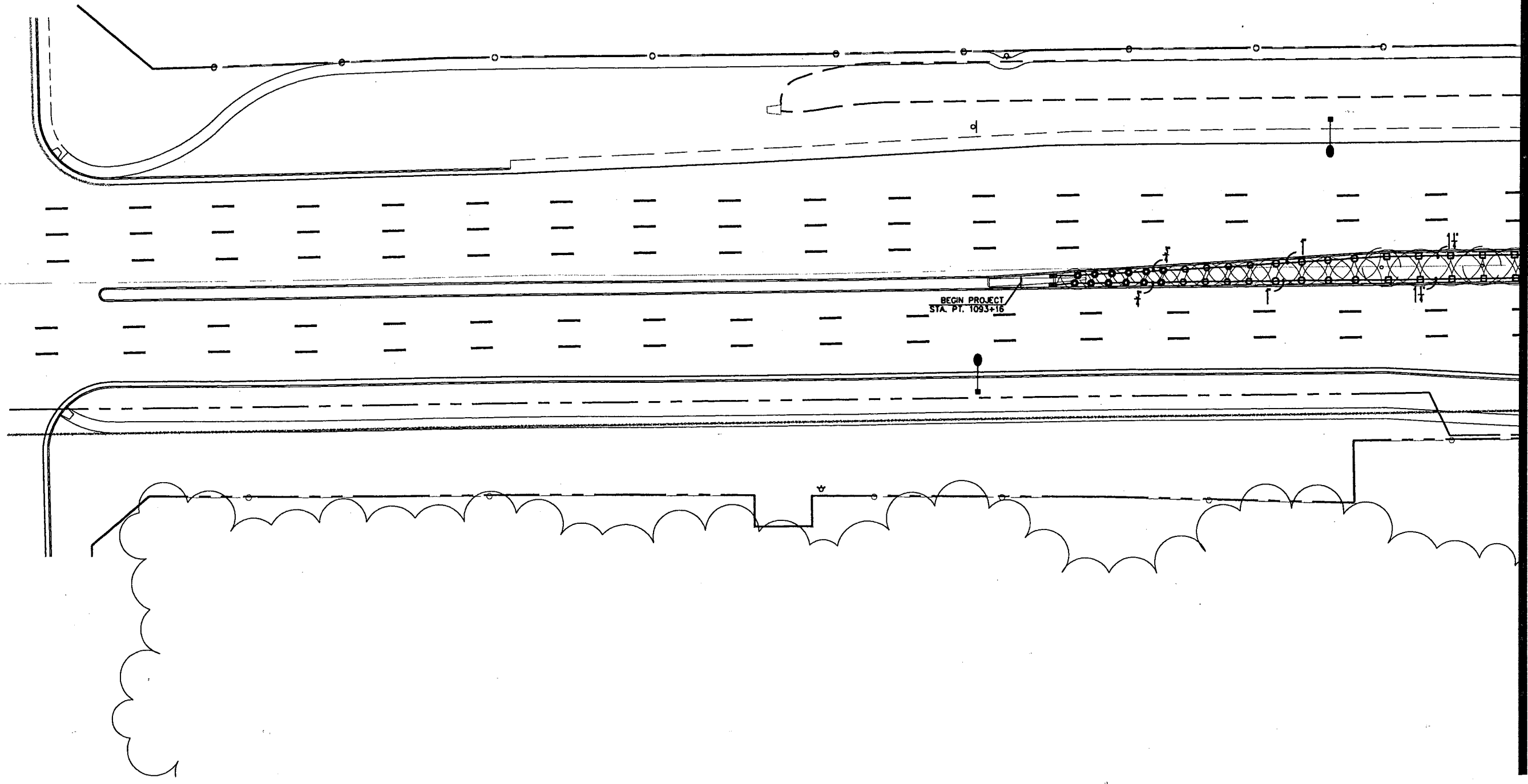
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
LANDSCAPE INSTALLATION			
Designed By	CSA/JMC	01/00	Approved By
Drawn By	BB	01/00	State Transportation Landscape Architect
Checked By	CSA/JMC	01/00	Revision Sheet No. Index No.
			01 1 of 1 544

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

LANDSCAPE DETAILS

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	BB	5/20/06	BB	BB	5/20/06
SCALE	N.T.S.		CHECKED BY		



MATCHLINE, SEE SHEET I-2

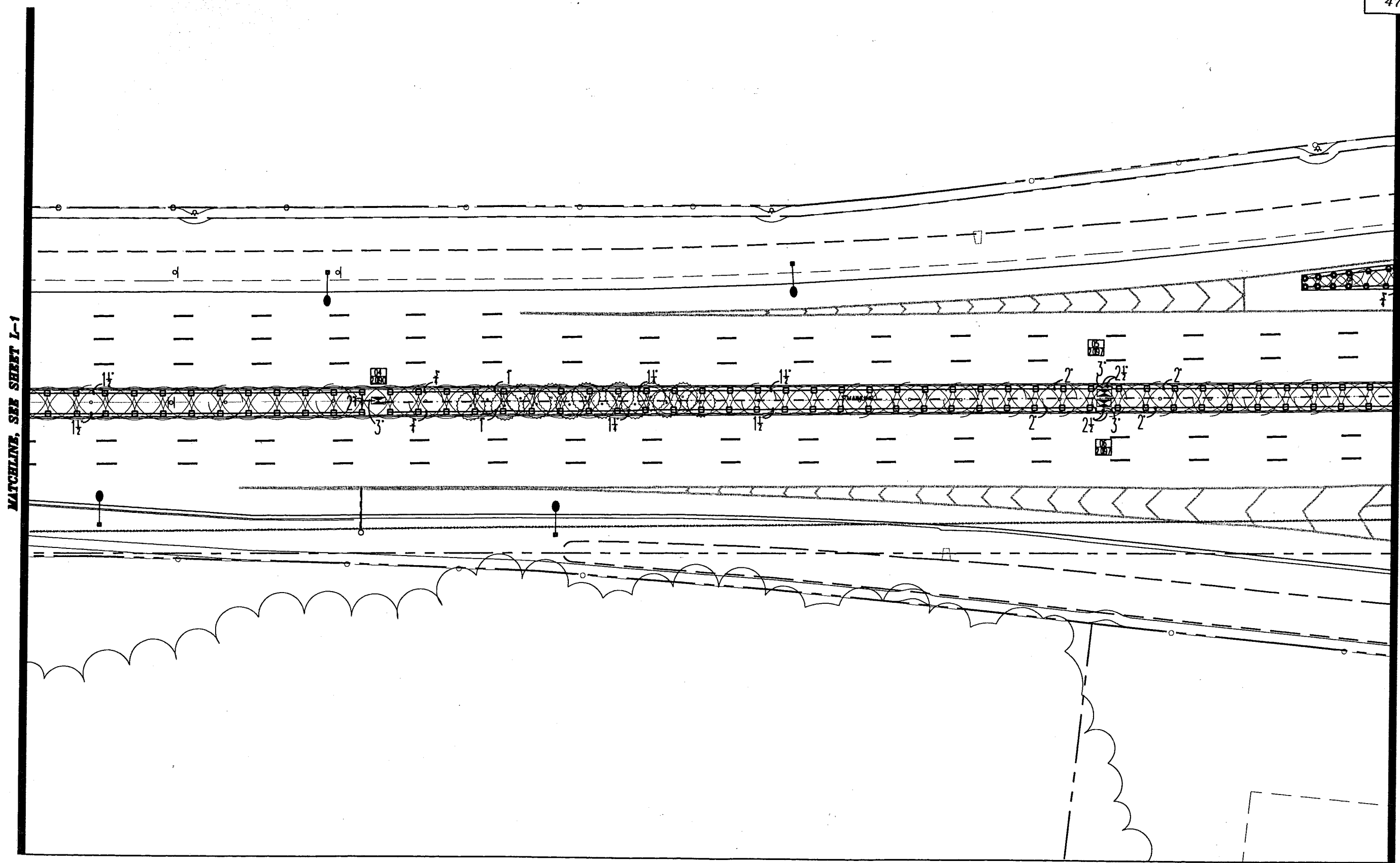


REVISIONS		REVISIONS		REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					



MATCHLINE, SEE SHEET L-1

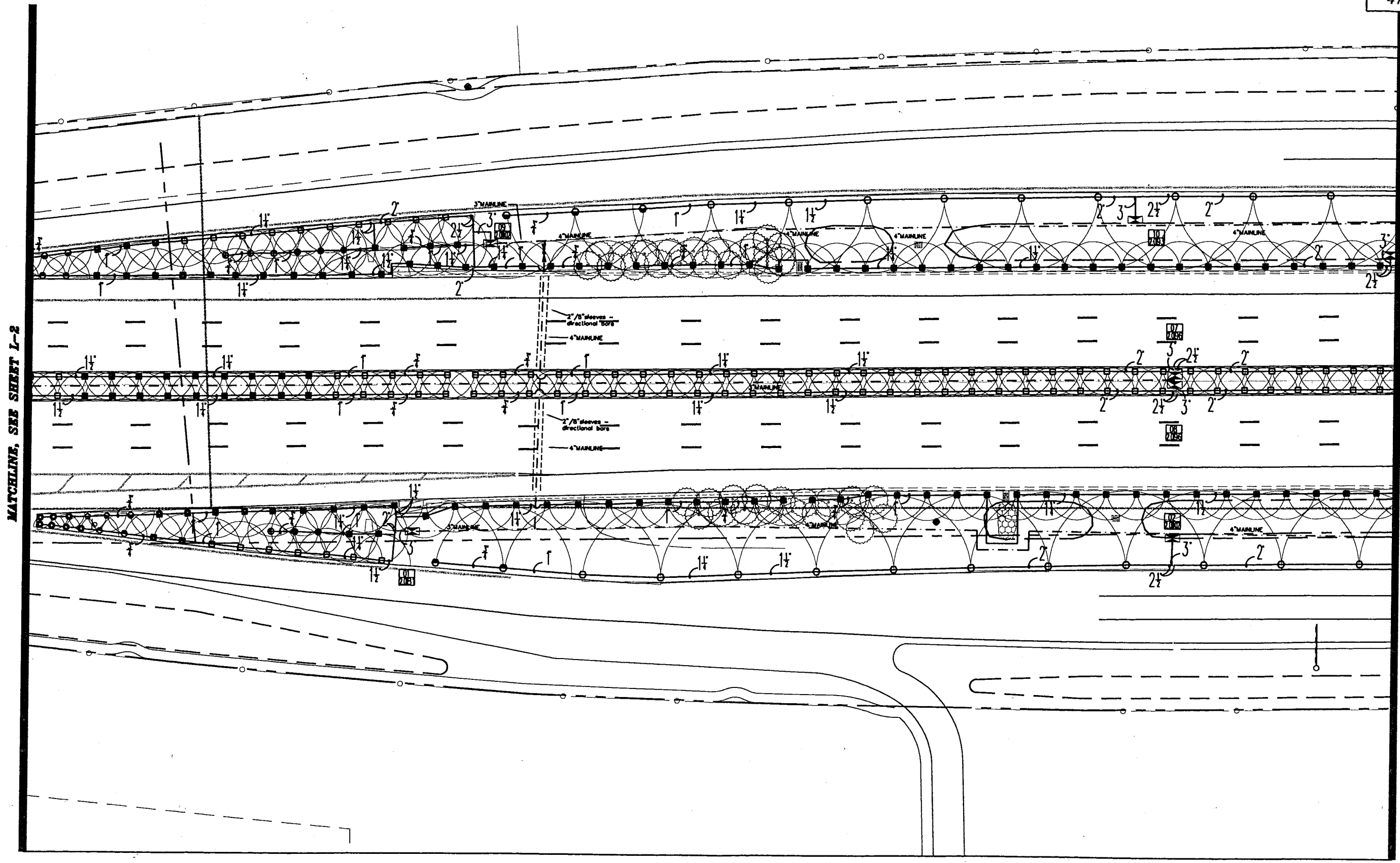
MATCHLINE, SEE SHEET L-3

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					



MATCHLINE, SEE SHEET 1-2

MATCHLINE, SEE SHEET 1-4

2" / 8" sleeves -
directional 150°

4" MAINLINE

2" / 8" sleeves -
directional bore

4" MAINLINE

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

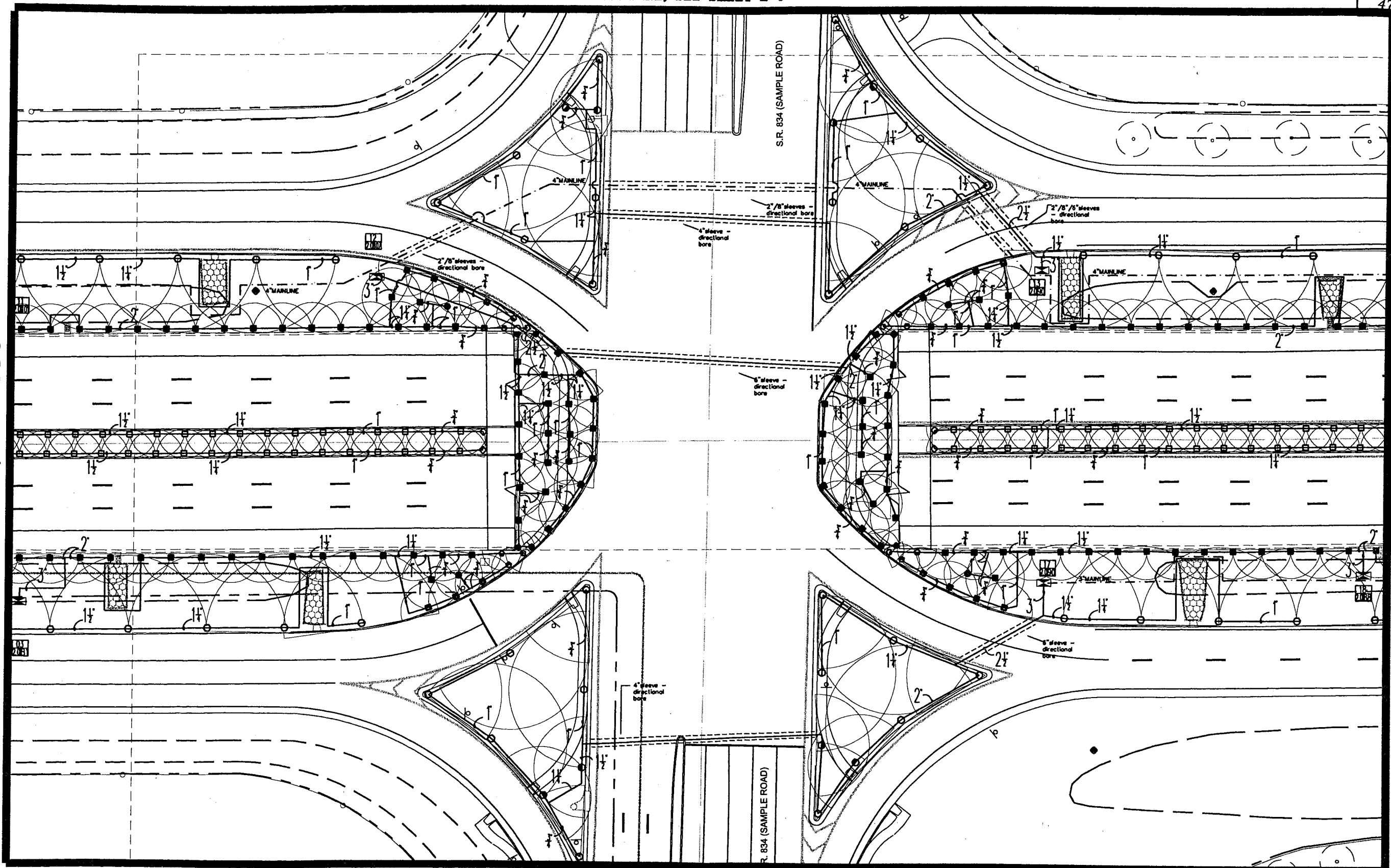
IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					



MATCHLINE, SEE SHEET L-9

PROJECT NO. 470236 SHEET NO. 1-4



MATCHLINE, SEE SHEET L-3

MATCHLINE, SEE SHEET L-6

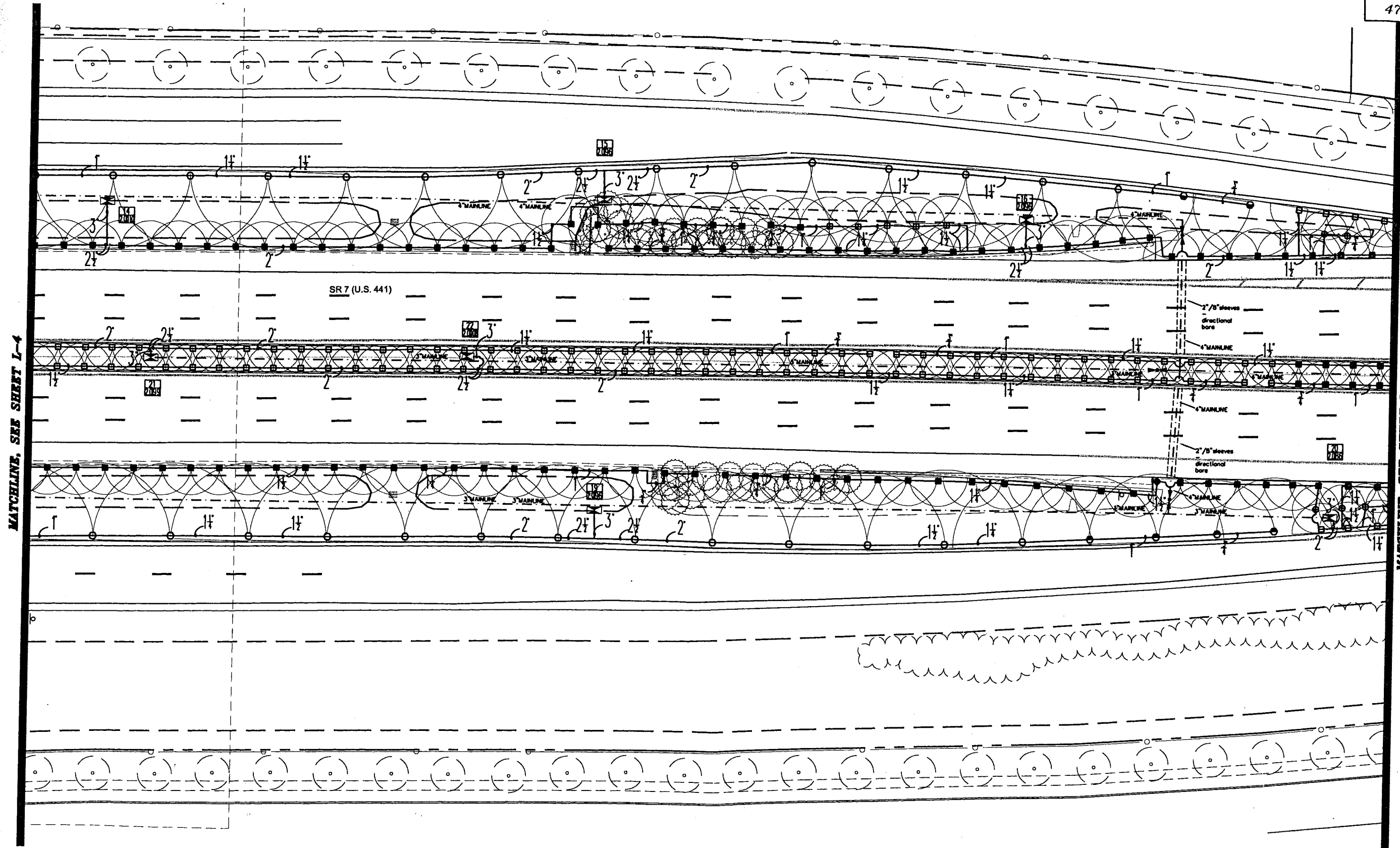
MATCHLINE, SEE SHEET L-10



DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441
IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					



MATCHLINE, SEE SHEET I-4

MATCHLINE, SEE SHEET I-6

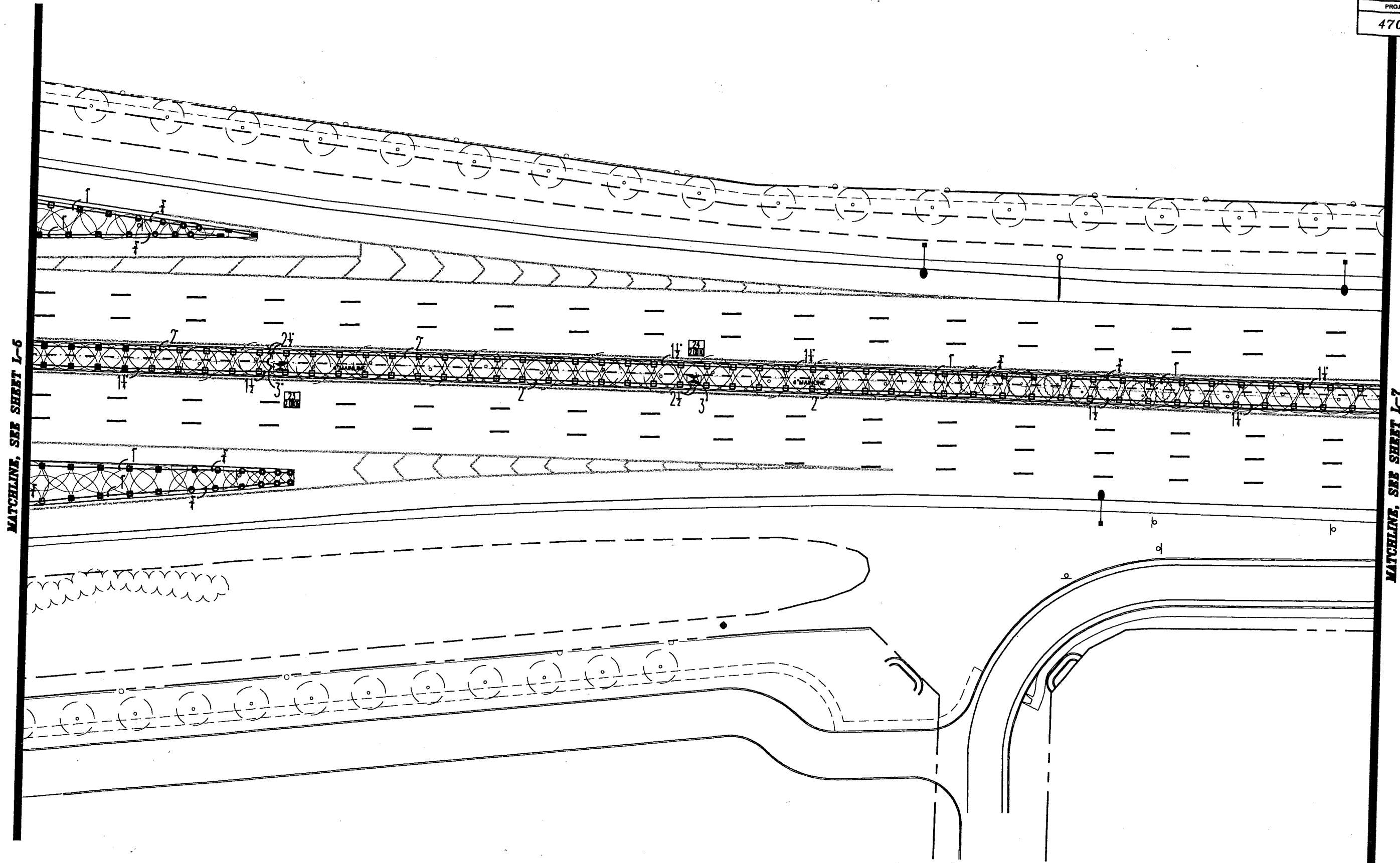
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CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					





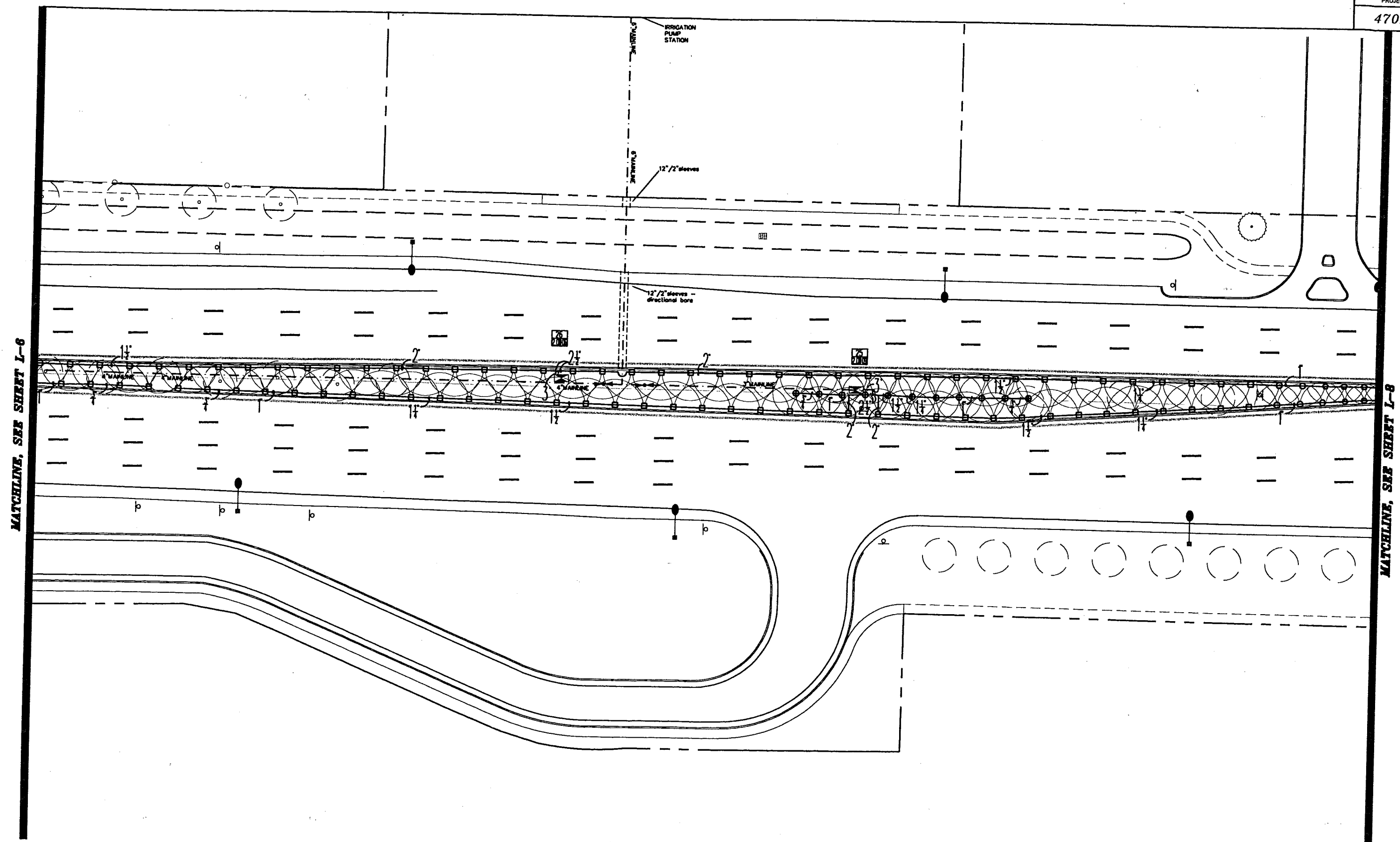
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CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					





DATE		BY		REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

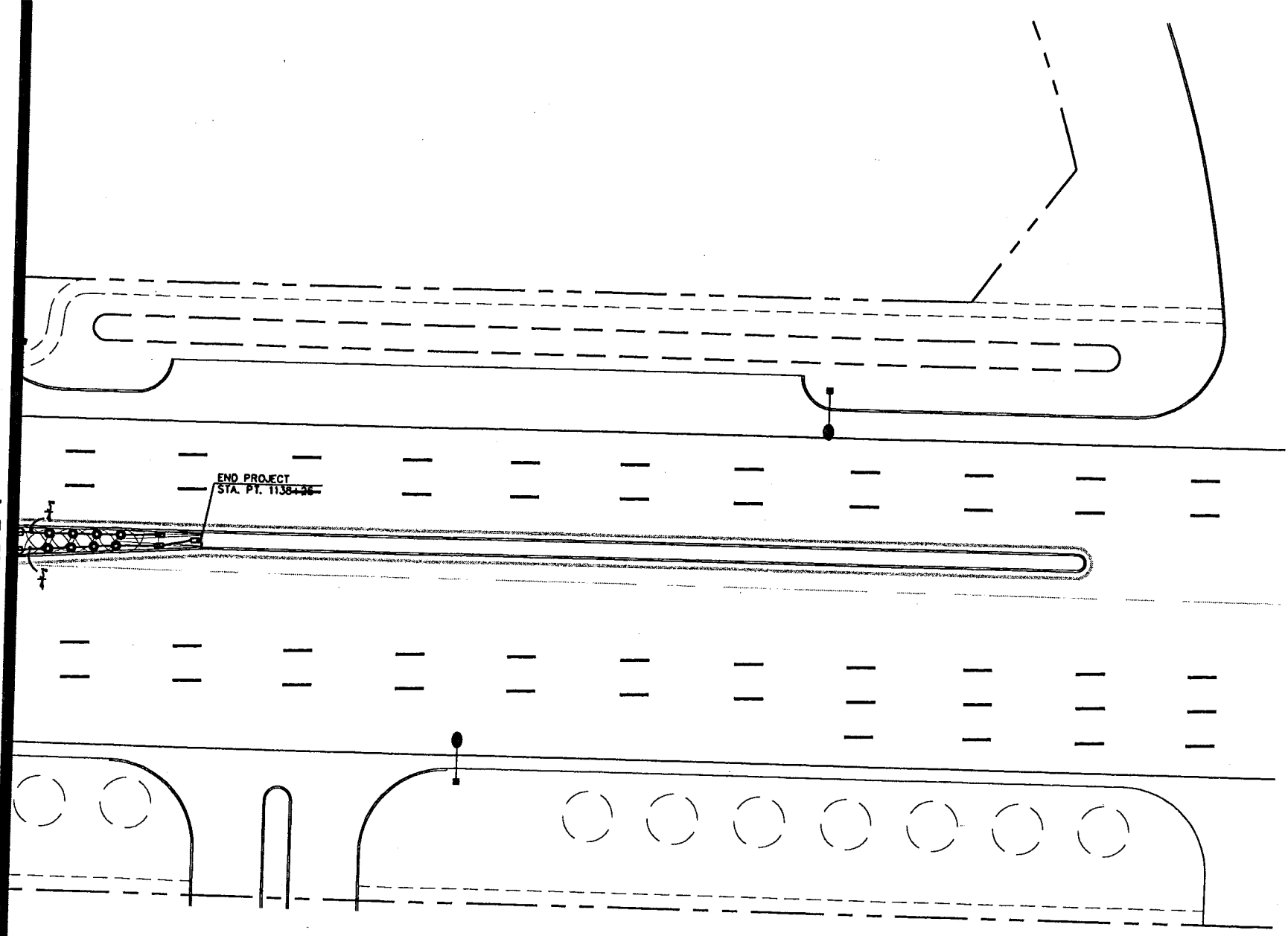
IRRIGATION PLAN

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SCALE					



MATCHLINE, SEE SHEET L-7

MATCHLINE, SEE SHEET L-9



END PROJECT
STA. PT. 1138+36

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

IRRIGATION PLAN

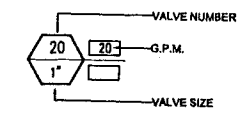
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SCALE					



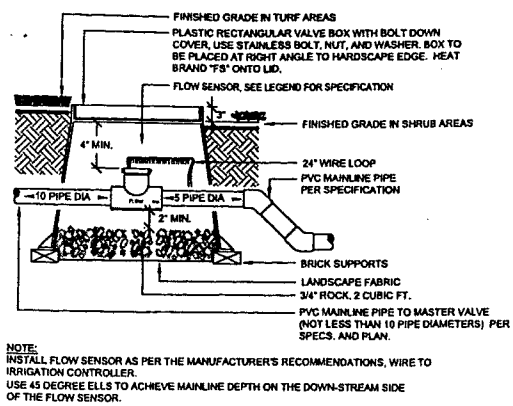
IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR IS TO PROVIDE TWO ADDITIONAL PILOT WIRES FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
- ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

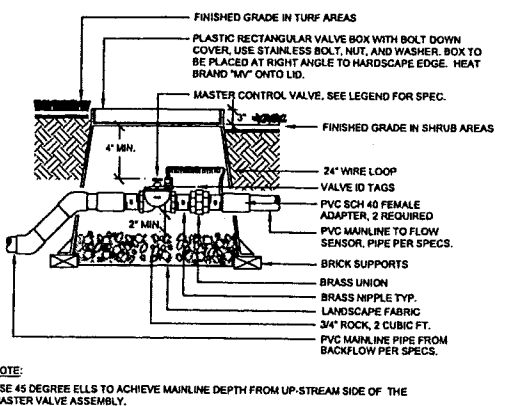
SYMBOL		IRRIGATION MATERIAL LEGEND							
Q	T	H	F	MANUFACT.	MODEL NO. / DESCRIPTION	GPM	PSI	RADIUS	DETAIL
☞	☞	☞	☞	RAIN BIRD	1806-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 5-Q/T/H NOZZLES	.10, .13, .20	25	5 FT	A
☞	☞	☞	☞	RAIN BIRD	1806-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 8-Q/T/H NOZZLES	.26, .35, .52, 1.58	25	8 FT	A
☞	☞	☞	☞	RAIN BIRD	1806-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 10-Q/T/H NOZZLES	.39, .52, .79, 1.57	25	10 FT	A
☞	☞	☞	☞	RAIN BIRD	1806-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 12-Q/T/H NOZZLES	.65, .87, 1.3, 2.60	25	12 FT	A
☞	☞	☞	☞	RAIN BIRD	1806-SAM-PRS POP-UP TURF HEAD W/ RAIN BIRD 15-Q/T/H NOZZLES	.93, 1.23, 1.85, 3.70	25	15 FT	A
☞	☞	☞	☞	RAIN BIRD	1806-SAM-PRS-15-EST/15-SST POP-UP TURF HEAD	.61, 1.21	25	4X15 FT 4X30 FT	A
☞	☞	☞	☞	RAIN BIRD	1812-SAM-PRS POP-UP SHRUB HEAD W/ RAIN BIRD 5-Q/T/H NOZZLES	.10, .13, .20	25	5 FT	A
☞	☞	☞	☞	RAIN BIRD	1812-SAM-PRS POP-UP SHRUB HEAD W/ RAIN BIRD 8-Q/T/H NOZZLES	.26, .35, .52, 1.58	25	8 FT	A
☞	☞	☞	☞	RAIN BIRD	1812-SAM-PRS POP-UP SHRUB HEAD W/ RAIN BIRD 10-Q/T/H NOZZLES	.39, .52, .79, 1.57	25	10 FT	A
☞	☞	☞	☞	RAIN BIRD	1812-SAM-PRS POP-UP SHRUB HEAD W/ RAIN BIRD 12-Q/T/H NOZZLES	.65, .87, 1.3, 2.60	25	12 FT	A
☞	☞	☞	☞	RAIN BIRD	1812-SAM-PRS POP-UP SHRUB HEAD W/ RAIN BIRD 15-Q/T/H NOZZLES	.93, 1.23, 1.85, 3.70	25	15 FT	A
☞	☞	☞	☞	RAIN BIRD	1812-SAM-PRS-15-EST/15-SST POP-UP SHRUB HEAD	.61, 1.21	25	4X15 FT 4X30 FT	A
☞	☞	☞	☞	RAIN BIRD	1806 POP-UP BUBBLER HEAD W/ RAIN BIRD 5F/5CST-PCS-040 NOZZLES. USE 5F-8 NOZZLES FOR PLANTERS WIDER THAN 2 1/2". USE 5CST-8 NOZZLES FOR PLANTERS LESS THAN 2 1/2".	.40	25	3 FT	A
☞	☞	☞	☞	RAIN BIRD	1806-SF-8 POP-UP BUBBLER HEAD, EACH SYMBOL REPRESENTS TWO BUBBLERS PER TREE. PLACE BUBBLERS AT EDGE OF ROOTBALL ON OPPOSITE SIDES OF TREE. ADJUST PER ROOTBALL SIZE TYPICAL.	.40 (.80)	25	3 FT	A
☞	☞	☞	☞	P.O.C.	1" DOMESTIC WATER METER WITH A 1" SERVICE LINE, VERIFY SIZE, LOCATION, AND STATIC WATER PRESSURE IN FIELD				N/A
☞	☞	☞	☞	WILKINS	975XL, 1" RP BACKFLOW PREVENTION ASSEMBLY				B
☞	☞	☞	☞	NO SYMBOL	V.I.T.	STRONG BOX SBBC-30AL ALUMINUM BACKFLOW DEVICE ENCLOSURE			B
☞	☞	☞	☞	GRISWOLD	2000E SERIES 1" EPOXY FUSED NORMALLY CLOSED MASTER CONTROL VALVE				C
☞	☞	☞	☞	RAIN MASTER	FM-1.25 FLOW SENSOR, INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND WIRE TO CONTROLLER				D
☞	☞	☞	☞	WATTS	B-6080-SS-SH FULL PORT BRONZE VALVE, STAINLESS STEEL BALL, STEM AND HANDLE USE ON 2 1/2" MAINLINE AND SMALLER, LINE SIZE UP TO 2", USE 2" ON 2 1/2" LINE				E
☞	☞	☞	☞	RAIN BIRD	330RC QUICK COUPLER VALVE				F
☞	☞	☞	☞	RAIN BIRD	PEB-PRS-0 (1") SERIES PRESSURE REGULATING PLASTIC REMOTE CONTROL VALVE				G
☞	☞	☞	☞	RAIN BIRD	RME-36-EGT-IC-PMRKIT EAGLE CONTROLLER WITH INTERNET COMMUNICATIONS CARD (CENTRAL) AND PERMANENT MOUNTED REMOTE RECEIVER KIT, INSTALLED WITHIN STAINLESS STEEL ENCLOSURE. (SEE BELOW FOR TYPE)				H
☞	☞	☞	☞	NO SYMBOL	V.I.T.	STRONG BOX SB-16SS STAINLESS STEEL TOP-ENTRY CONTROLLER ENCLOSURE WITH CSA SUB-ASSEMBLY, RGVRS AND CP-16			H
☞	☞	☞	☞	RAIN BIRD	RAIN SENSOR, RSD-BEX, MOUNT TO SIDE OF ENCLOSURE AND WIRE TO CONTROLLER				H
☞	☞	☞	☞	N/A	120 VOLT ELECTRICAL POWER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD				N/A
☞	☞	☞	☞	AS APPROVED	PVC PIPE 3/4" - 1 1/2" CL. 200 AS LATERAL LINES 12" BELOW GRADE				I
☞	☞	☞	☞	AS APPROVED	PVC PIPE 2 1/2" CL. 315 AS MAINLINES 18" BELOW GRADE				I
☞	☞	☞	☞	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED PLACE BELOW ALL PAVING, HARDSCAPE, ETC., AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.				J
☞	☞	☞	☞	NO SYMBOL	RAIN BIRD	IRRIGATION VALVE BOXES 10" ROUND FOR SINGLE RCV, 12" RECTANGLE FOR MANIFOLDED RCV'S			N/A
☞	☞	☞	☞	NO SYMBOL	AS APPROVED	IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED) ALL CONTROLLER WIRING SHALL BE COLOR-CODED AND LABELED AT THE CONTROLLER AND ALL JUNCTION AND VALVE BOXES, TO CORRESPOND WITH PROPER CONTROLLER AND STATION. CONTRACTOR SHALL RUN TWO SPARE CONTROL WIRES TO LAST VALVE BOX AT ALL MAINLINE ENDS. MINIMUM COVER OF 24" OR SAME DEPTH AS MAIN LINE.			I,J,K
☞	☞	☞	☞	NO SYMBOL	3M	DBY DIRECT BURIAL WATER PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS			K



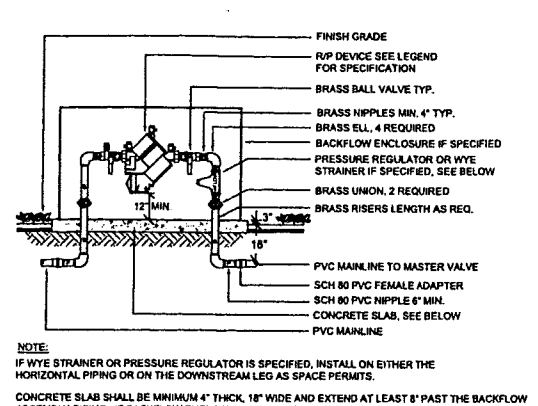
DATE			BY			DESCRIPTION			REVISIONS			CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441				
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE		
									HB	HB	5/20/06	HB	HB	5/20/06		
IRRIGATION GENERAL NOTES & SPECIFICATIONS										CHECKED BY		CHECKED BY				
										SCALE	N.T.S.					



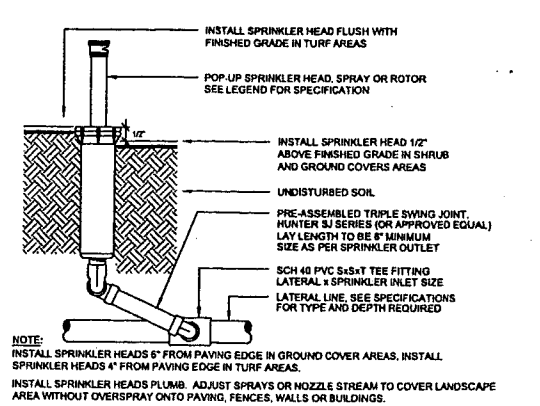
NOTE:
INSTALL FLOW SENSOR AS PER THE MANUFACTURER'S RECOMMENDATIONS, WIRE TO IRRIGATION CONTROLLER.
USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH ON THE DOWN-STREAM SIDE OF THE FLOW SENSOR.



NOTE:
USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH FROM UP-STREAM SIDE OF THE MASTER VALVE ASSEMBLY.



NOTE:
IF WYE STRAINER OR PRESSURE REGULATOR IS SPECIFIED, INSTALL ON EITHER THE HORIZONTAL PIPING OR ON THE DOWNSTREAM LEG AS SPACE PERMITS.
CONCRETE SLAB SHALL BE MINIMUM 4\"/>



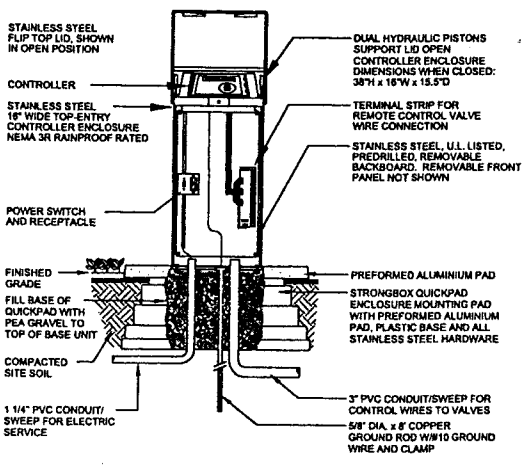
NOTE:
INSTALL SPRINKLER HEADS 6\"/>

(D) FLOW SENSOR

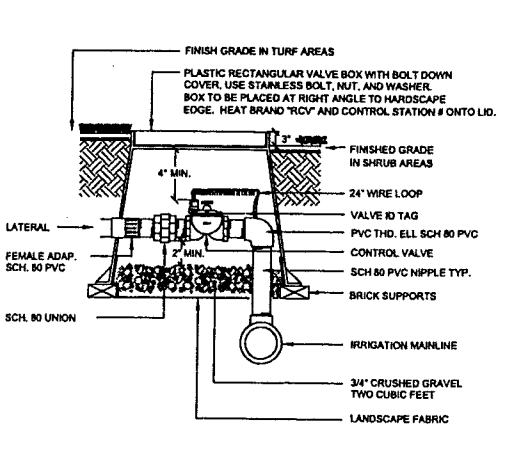
(C) MASTER CONTROL VALVE

(B) BACKFLOW DEVICE

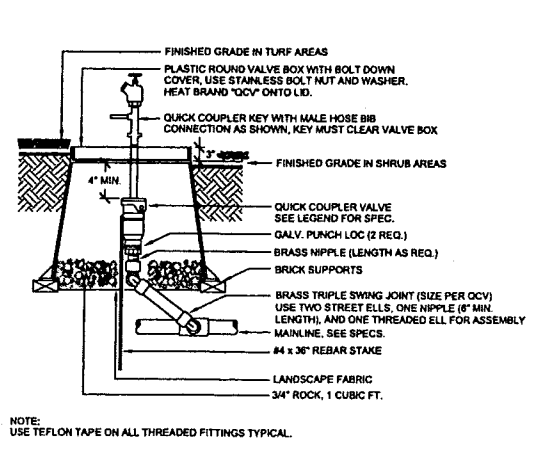
(A) POP-UP SPRINKLER



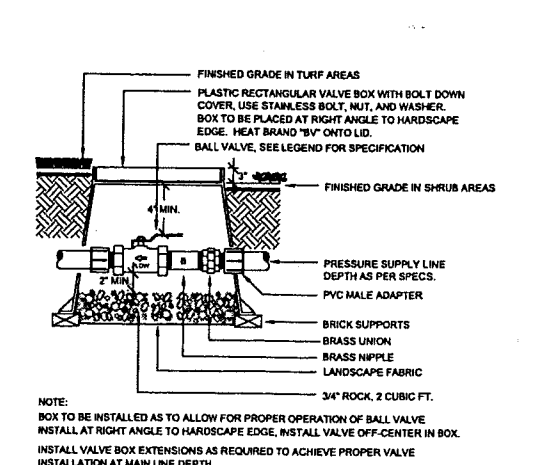
NOTE:
WIRE CONNECTOR SHALL BE A 3M DRY DIRECT BURY SPLICE KIT. KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL. DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - 3 #14 OR 2 #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.



NOTE:
USE TEFLON TAPE ON ALL THREADED FITTINGS TYPICAL.



NOTE:
USE TEFLON TAPE ON ALL THREADED FITTINGS TYPICAL.



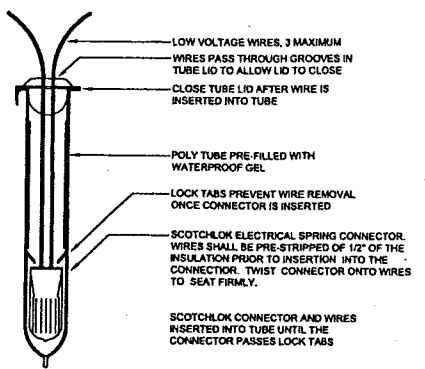
NOTE:
BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE. INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE. INSTALL VALVE OFF-CENTER IN BOX. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.

(H) CONTROLLER ENCLOSURE

(G) REMOTE CONTROL VALVE

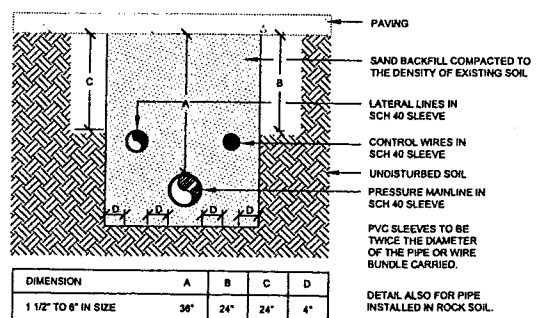
(F) QUICK COUPLER VALVE

(E) BALL VALVE



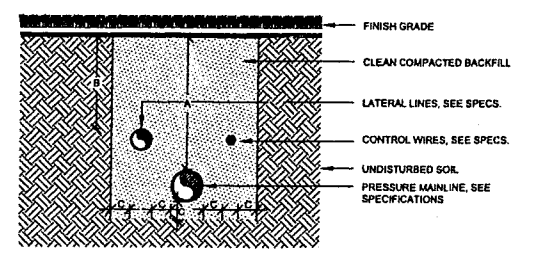
NOTE:
WIRE CONNECTOR SHALL BE A 3M DRY DIRECT BURY SPLICE KIT. KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL. DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT 2 - 3 #14 OR 2 #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

(K) WIRE CONNECTION



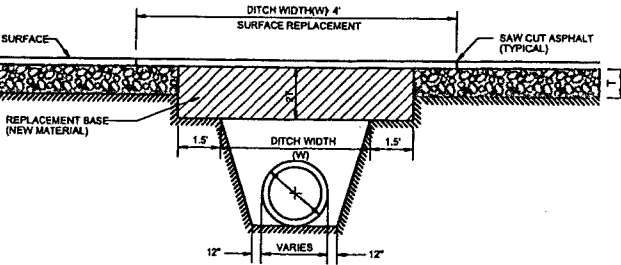
DIMENSION	A	B	C	D
1 1/2" TO 6" IN SIZE	36"	24"	24"	4"

(J) SLEEVE INSTALLATION



DIMENSION	A	B	C
1/2" TO 2-1/2" IN SIZE	18"	12"	4"
3" TO 6" IN SIZE	24"	12"	4"

(I) PIPE INSTALLATION



GENERAL NOTES

- REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE, MINIMUM 8", MAXIMUM 16".
- BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (L/DENSE MEASUREMENT) LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 90% OF MAXIMUM DENSITY, PER AASHTO T-100.
- ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
- SURFACE MATERIAL SHALL BE CONSISTENT WITH THE SURROUNDING SURFACE MATERIAL.
- BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (80% FOR LOCAL STREETS).
- IF THE DITCH IS FILLED TEMPORARILY, IT SHALL COVERED WITH A 2" THICK ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING, UNTIL REPLACED WITH A PERMANENT PAVEMENT PATCH.

(J) PAVEMENT RESTORATION

DATE		BY		DESCRIPTION	

CORAL SPRINGS LAP, SAMPLE RD./ST.RD.7-US 441

IRRIGATION DETAILS

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	BB	5/20/06		BB	5/20/06
CHECKED BY			CHECKED BY		
SCALE	N.T.S.				