

COMPONENTS OF CONTRACT PLANS SET
LANDSCAPE PLANS

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LIST OF REVISED INDEX DRAWINGS

INDEX NO.	SHEET NO.

GOVERNING STANDARDS AND SPECIFICATIONS

Florida Department of Transportation, 2014 Design Standards and revised Index Drawings as appended herein, and 2014 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/specificationsoffice/>

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/>

REVISIONS

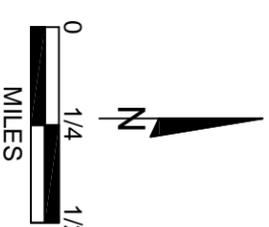
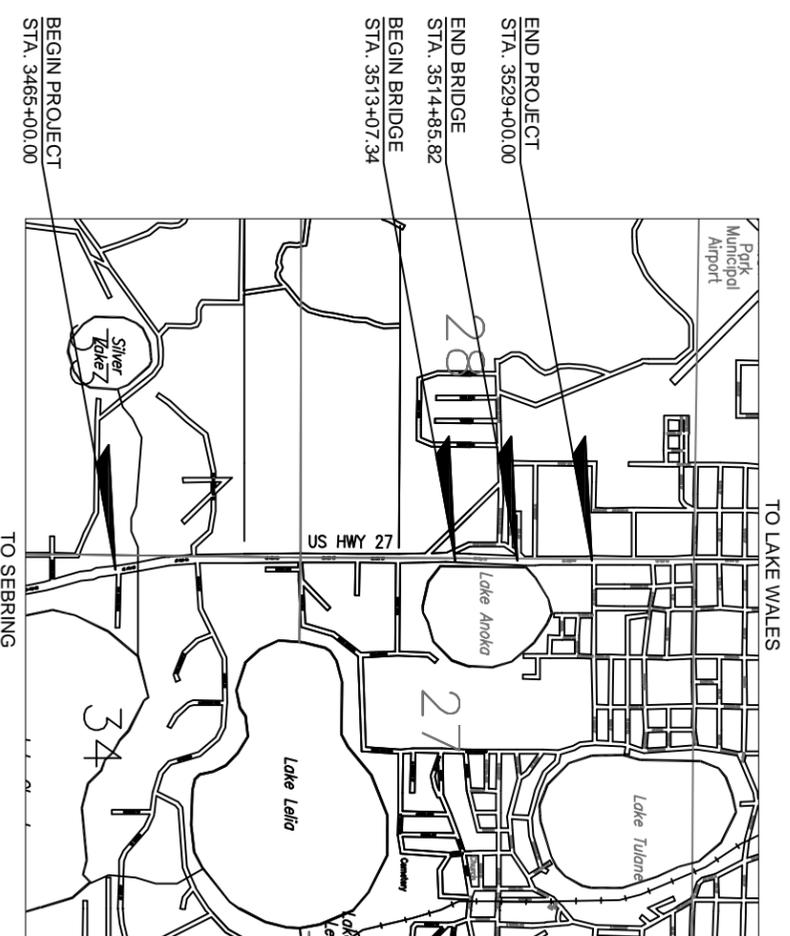
FINANCIAL PROJECT ID 435695-1-74-01

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
LANDSCAPE PLANS

FINANCIAL PROJECT ID 435695-1-74-01

HIGHLANDS COUNTY (09030)

STATE ROAD NO. 25 (US 27)



LENGTH OF PROJECT	
LINEAR FEET	MILES
ROADWAY	6,221.52
BRIDGES	178.48
NET LENGTH OF PROJECT	6,400.00
EXCEPTIONS	
GROSS LENGTH OF PROJECT	6,400.00

DATE	KEY SHEET REVISIONS DESCRIPTION

LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:

HEARTLAND DESIGNS
P.O. BOX 3164
LAKE PLACID, FL 33862

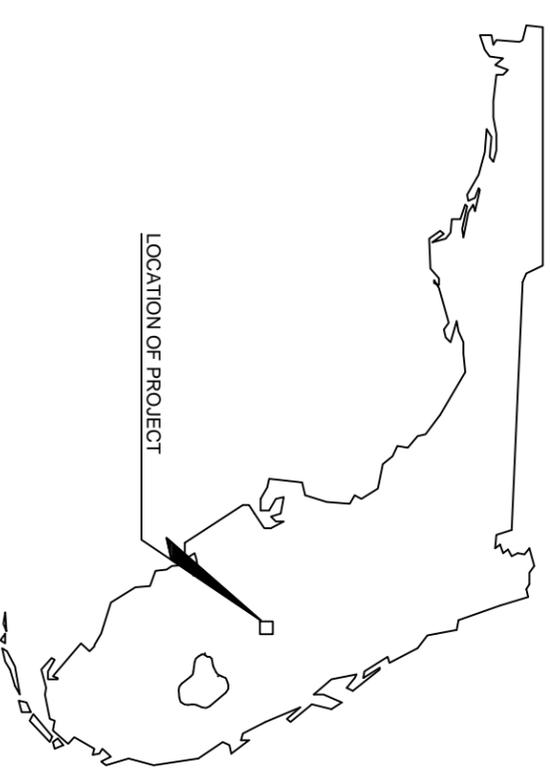
PLANS PREPARED BY:

HEARTLAND DESIGNS
P.O. BOX 3164
LAKE PLACID, FL 33862
FL LAND. ARCH. COMPANY LICENSE NO. LC 26000294

NOTE: THIS PROJECT TO BE LET TO
CONTRACT WITH FINANCIAL PROJECT ID
435695-1-74-01

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

LANDSCAPE PLANS
ARCHITECT OF RECORD: CHAD CLOUSER
RLA NO: 6666811



FISCAL YEAR	SHEET NO.
14	LD-1

TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAX. MAINTAINED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		
										4	5	6	7	8	9	10	11	12	13	PLAN
580-1-2	LARGE	LAG IND	LAGERSTROEMIA INDICA	GRAPE MYRTLE	25 GAL.		AS SHOWN	STANDARD, 2" MIN. CALIPER	EA	0	0	6	3	0					9	
					9' OA		ON PLANS													
580-1-2	LARGE	PHO SYL	PHOENIX SYLVESTRIS	WILD DATE PALM	B&B		AS SHOWN		EA	3	0	0	0	1					4	
					12' CGW		ON PLANS													
580-1-2	LARGE	SAB S18	SABAL PALMETTO	CABBAGE PALM	BR		AS SHOWN	BOOTED	EA	0	0	32	15	0					47	
					16' OA		ON PLANS													

PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAX. MAINTAINED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS													TOTAL THIS SHEET		GRAND TOTAL	
										9	10	11	12	13	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
580-1-2	LARGE	LAG IND	LAGERSTROEMIA INDICA	GRAPE MYRTLE	25 GAL.	20'	AS SHOWN	STANDARD, 2" MIN. CALIPER	EA	0	0	0	0	0						0		9				
					9' OA		ON PLANS																			
580-1-2	LARGE	PHO SYL	PHOENIX SYLVESTRIS	WILD DATE PALM	B&B		AS SHOWN		EA	2	0	4	0	0						6		10				
					12' CGW		ON PLANS																			
580-1-2	LARGE	SAB S18	SABAL PALMETTO	CABBAGE PALM	BR		AS SHOWN	BOOTED	EA	0	0	0	0	0						0		47				
					16' OA		ON PLANS																			

PAY ITEMS NOTES:

580-1-2 EACH TREE SHALL BE STAKED AND GUYED PER INDEX NO. 544, LANDSCAPE INSTALLATION, SHALL INCLUDE THE COST OF REMOVING THE STAKES AND TIES AT THE END OF THE ESTABLISHMENT PERIOD.

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		<div style="text-align: center;"> TABULATION OF QUANTITIES PLANT SCHEDULE </div>		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				ROAD NO.	COUNTY	FINANCIAL PROJ. ID
				25	HIGHLANDS	435695-1-74-01

LANDSCAPE GENERAL SPECIFICATIONS

Install landscaping in accordance with all applicable codes regarding materials, methods of work and disposal of waste material. Obtain and pay for all required permits and inspections.

Visit the site and examine the conditions under which the work is to be performed. Do not proceed with the work until all unsatisfactory conditions have been rectified.

Locate and protect all existing underground and overhead utilities, benchmarks, control points and monuments within the work area. Repair made due to damage to any of these items will be made at the contractor's expense. If incorrectly located utilities are encountered, contact the applicable utility company to receive any further instructions or assistance that may be needed.

Take all measures necessary to protect all existing paving, buildings, utilities, etc. on and adjacent to the site. Repair made due to damage to any of these items will be made at the landscape contractor's expense.

It is the responsibility of the contractor to satisfy themselves as to the accuracy of the quantities on the plan. If there are any discrepancies between the plan and the material list this should be addressed prior to beginning work. In any instance that a discrepancy does occur between the plan and material list, the plan rules. No extra compensation will be allowed on account of discrepancies between the plan and material list.

Square foot, cubic yard and lineal foot quantities do not account for any waste and it is the contractor's responsibility to calculate any extra material necessary to offset this.

It is the responsibility of the contractor to order or provide all material, equipment, labor, etc. necessary to complete the work according to the plans and specifications.

All existing invasive plant materials are to be removed as per applicable code.

Warranty: All plants, trees and plant materials to remain alive and in healthy condition for a period of one year after acceptance. Plants must be given proper care during this time. This includes maintenance, fertilizing, spraying, and being provided with adequate irrigation as necessary. Replace each palm, tree or plant that is dead or in severely unhealthy condition once within the warranty period of one year. The warranty becomes void in cases of vandalism, fire, flood, freezing or extreme cold not typical for the area, lightning strikes, hurricane force wind, improper functioning or turned off irrigation or owner negligence. Any replacement desired or required do to any of these unwarntained causes will be at the owner's expense.

LANDSCAPE INSTALLATION SPECIFICATIONS

Treat all areas to receive landscaping with a broad-spectrum herbicide and allow enough time for the herbicide to take full effect prior to beginning any landscape installation.

Treat all landscaping beds with a pre-emergent herbicide prior to beginning any landscape installation.

The landscape contractor shall make sure that all planting beds are free from rocks, trash, waste material and other construction debris prior to landscape installation and shall notify the owner prior to installation so that they may have the site contractor remove their waste.

Install all palms, trees and plant materials in the locations and at the quantity specified on the landscape plans. The owner or their representative must approve any deviations from the landscape plans in advance.

All palms, trees and plant materials shall be planted as per the details shown on the landscape plans. The planting pit shall be twice the diameter of the root ball or pot and shall be backfilled with peening soil and watered thoroughly.

All palms and trees shall be fertilized using a full spectrum slow release fertilizer according to the manufacturer's recommendations to quantity per tree according to tree size. All plant materials shall be fertilized at the time of installation with a full spectrum slow release fertilizer according to the manufacturer's recommendations.

All burlap, grow bags, wire cages, etc. shall be removed from the root ball of all palms and trees prior to planting.

Stake and guy all palms and trees to ensure they remain in their proper growing positions. All staking and guying should be well marked to prevent tripping hazards or other possible injuries. Staking and guying shall not permit nails, screws, wire, and etc. to penetrate the outer surface of the palm or tree. Any palms or trees damaged due to such practice shall be replaced at the landscape contractor's expense.

All planting areas shall have 3" of grade "A" brown mulch and all palms and trees not located within a planting area shall have a ring of mulch around the base a minimum of 24" in diameter and 3" deep.

Prepare all areas to receive sod to be smooth, free from trash and debris and free draining. Site contractor shall leave the grade + or - 1". Install the sod to form a solid mass with tightly fitting joints that are staggered with each additional course. Tamp or roll the sod once laid to ensure contact with the soil. Sod should be flushed with sidewalks, curbs and all other adjacent surfaces. Water the sod thoroughly immediately after installation.

Adhere to all federal state and local laws regarding the handling and application of herbicides and fertilizers. Follow manufacturer's recommendations regarding mixing ratio and application rate of herbicide.

LANDSCAPE MATERIAL SPECIFICATIONS

All palms, trees and plant materials are to be Florida #1 or better as described in the latest edition of Grades and Standards for Nursery Plants published by the State of Florida Department of Agriculture and Consumer Services.

All palms, trees and plant materials shall be the variety specified in the material list for the landscape plans. All palms, trees and plant materials are to be referred to, ordered and planted according to the scientific or botanical name. Any errors made when referring to, ordering or planting any material by the common name will be corrected at the landscape contractor's expense.

All palms, trees and plant materials are to meet the minimum measurements for each category shown in the material list for the landscape plans regarding height, caliper, spread and container size. In some instances a measurement in one category may need to increase to meet the minimum measurement for another category. This shall be verified prior to beginning work and any necessary increase in size from what is shown in the material list shall be made to meet all minimum measurements for each category. No extra compensation will be allowed to increase one category to measure to meet the minimum measurement of another category once the job has been contracted or has commenced.

The sod shall be of the variety specified in the material list for the landscape plans. All sod should be healthy, well rooted and uniform in both color and density. It shall be free from pests, disease and weeds. All sod shall be delivered on pallets in the square footage typical per pallet with regard to the variety of sod specified. The landscape contractor shall field verify all quantities prior to ordering.

Mulch shall be brown and of the quantity specified in the material list for the landscape plans. This quantity is based on coverage 3" in depth in all planting areas and a 24" ring 3" in depth around all trees located in lawn areas. The landscape contractor shall verify all quantities of mulch on the plan. No extra compensation will be allowed to increase the quantity of mulch to allow a 3" depth once the job has been contracted or has commenced. Mulch shall be grade "A" mulch otherwise specified in the material list.

IRRIGATION GENERAL SPECIFICATIONS

Install irrigation system in accordance with all applicable codes and ordinances regarding materials, methods of work and disposal of waste material. Obtain and pay for all required permits and inspections.

Visit the site prior to work commencing and examine the conditions under which the work is to be performed. Do not proceed with the work until all unsatisfactory conditions have been rectified.

Locate and protect all existing underground and overhead utilities, benchmarks, control points and monuments within the work area. Repairs made due to damage to any of these items will be made at the irrigation contractor's expense. If incorrectly located utilities are encountered, contact the applicable utility company to receive any further instructions or assistance that may be needed.

Take all measures necessary to protect all existing paving, buildings, utilities, etc. on and adjacent to the site. Repair made due to damage to any of these items will be made at the irrigation contractor's expense.

It is the responsibility of the contractor to satisfy themselves as to the accuracy of the quantities on the plan. If there are any discrepancies between the plan and the material list this should be addressed prior to beginning work. In any instance that a discrepancy does occur between the plan and material list, the plan rules. No extra compensation will be allowed on account of discrepancies between the plan and material list.

It is the responsibility of the contractor to order or provide all material, equipment, labor, etc. necessary to complete the work according to the plans and specifications and to provide a fully functioning automatic irrigation system.

Supply the owner with all instruction sheets, maintenance manuals, and parts sheets covering all of the operating and electrical equipment installed on the job. Also furnish the owner with keys to any locking items installed on the job.

Specify the irrigation designer with a set of details plans clearly indicating GPS locations and any changes made to the irrigation plans such as main line routing, valve locations or any other field adjustments that were necessary for a proper installation.

Warranty: The irrigation system for a period of one year after acceptance for workmanship and material defects. The irrigation system must be properly maintained during this time. This includes system adjustments and replacement of any damaged parts or broken pipe immediately upon discovery. The warranty becomes void in cases of vandalism, fire, lightning strikes or owner negligence. Any repair desired or required due to any of these unwarntained causes will be at the owner's expense.

IRRIGATION INSTALLATION SPECIFICATIONS

Irrigation contractor is responsible for verifying that the water source is capable of providing the gallons per minute of volume and pounds per square inch of pressure required for the irrigation system to function as designed prior to commencing installation.

Coordinate the irrigation system installation with the landscape contractor or landscaping plan to avoid conflicts between irrigation heads, piping, etc. and palms and tree locations whenever possible.

All main line pipe is to have a minimum cover of 18" of backfill measured from the top of the pipe and all lateral lines are to have a minimum cover of 12" of backfill measured from the top of the pipe unless otherwise specified. Turns and termination in the main line shall be located utilizing at a minimum a GPS WASSS system and documented on the plans for future locating.

All backfill is to be fine grained and free from stone, rock, etc. larger than 2" in diameter that may damage or cut the pipe. Take care not to damage or deform the pipe when backfilling and compacting.

Assure that all cuts are made squarely and that all pipes and fittings are clean and free from PVC shavings and debris prior to connecting. Be sure to fully engage all joints when connecting.

Do not by marking tags on any landscape surface such as concrete sidewalks, brick pavers, etc. to avoid causing rust stains. Remove all tags upon conclusion of their usefulness and collect them for future use or properly dispose of them. Irrigation contractor is responsible for the removal or correction of any rust stains caused by the marking tags.

Flush all pipes and body assemblies prior to sprinkler head installation. If installing nozzles or body assemblies while flushing under pressure, start at the heads nearest the valve and work toward the end of the lateral run to force debris toward the end. Flush only one zone at a time and allow adequate time for the system to flush prior to installing nozzle or body assemblies. If the irrigation contractor is found to be flushing multiple zones at a time or not allowing adequate time for each zone to properly flush, all nozzles and body assemblies shall be removed, flush caps reinstalled on spray heads and the entire system will be required to be flushed again at the contractor's expense.

All two wire systems shall be voltage checked at the clock, splices, grounding modules and decoders and the voltage shall be recorded on the plans for each item.

After installation, field adjust the entire system to assure proper 100% head to head coverage and to minimize overspray onto paved surfaces. Assure that all heads are a minimum of 12" from any building and that they are not directly spraying onto the building. Assure that all turf heads are a minimum of 3" from the edge of sidewalks, parking or any other landscape area that may require an edge for maintenance.

Utilizing at a minimum a GPS WASSS system, document all major irrigation component locations. These include valves of valve clusters, any underground sensors, main line turns, valve splices, sleeves, and any other components that might aid in future system maintenance, repairs or modification.

IRRIGATION MATERIAL SPECIFICATIONS

Irrigation contractor shall use the items specified in the material list or specifications for all bidding, ordering and installation. Do not substitute items or change sizes of irrigation components or piping without prior written consent from the irrigation designer. Unapproved substitutions or under sizing of components or piping will constitute an immediate failure upon inspection and shall be replaced with the item of the correct size or manufacturer at the contractor's expense.

All material shall be installed according to manufacturer's specifications unless otherwise noted.

Securely install the specified controller in the location shown on the irrigation plan or in a location coordinated with the owner or their representative. The owner is responsible for providing all necessary electrical for the controller.

All controllers shall be equipped with a rain sensor device that will override the irrigation cycle of the system when adequate rainfall has occurred. This sensor shall be properly wired into the controller. In the on position, outside the range of the irrigation system and mounted in an area to receive rainfall.

All controllers utilized in coordination with a well must be supplied with an accompanying pump start relay and a control box if single phase or a magnetic starter if three phase. The irrigation contractor shall coordinate the phasing, voltage, disconnect location, amps, etc. with the owner or their representative prior to ordering the pump. See well and pump specifications in the material list to determine the diameter and type of the well and the horsepower and type of pump. The irrigation contractor is responsible for verifying that the specified well and pump is capable of providing the gallons per minute of volume and pounds per square inch of pressure required for the irrigation system to function as designed prior to commencing installation.

All controllers utilized in coordination with a continually pressurized water source such as a city water meter must be supplied with an accompanying meter valve and appropriately rated backflow-preventer that adheres to all local codes. The irrigation contractor is responsible for verifying that the meter valve is capable of providing the gallons per minute of volume and pounds per square inch of pressure required for the irrigation system to function as designed prior to commencing installation.

All valves are to be electric valves of the brand specified in the irrigation plan material list and shall be sized according to their location on the plan and their accompanying key. All valves are to be installed in a minimum 12" X 18" green plastic valve box unless otherwise specified. The top of the box is to be flush with finished grade. All valve clusters are to be installed with a capped stub out for ease of future expansion. Number each valve box according to the valve number found on the irrigation plans. Each valve or valve cluster shall also be located utilizing at a minimum a GPS WASSS system and documented on the plans for future locating.

All remote valve control wire shall be 14-1 UF direct burial wire for use with 24 VAC applications. Place wire under pipes whenever possible to help avoid accidental cutting. Common wire is to be white. Control wire is to be red. Run two blue wires from the controller to the farthest valve in each direction for spares.

All standard remote control valve wire that utilizes a common wire and multiple hot wires shall be spliced to the electric valves using DBY or DBR splice kits of the appropriate size. All two-wire valve wire shall be spliced to the Decoder's using DBY-6 or DBR-6 splice kits of the appropriate size.

Provide a minimum of 24" expansion coils in the wire at every valve connection, at every sharp turn and at 100' intervals along straight runs of wire.

All irrigation pipes and control wires passing under sidewalks, drives or other paved or hard surfaces shall be placed in a schedule 40 PVC sleeve.

All main line pipe shall be schedule 40 PVC and all lateral pipes shall be class 160 PVC unless specified differently in the irrigation plan material list.

All main line pipe shall be schedule 40 PVC and all lateral pipes shall be class 160 PVC unless specified differently in the irrigation plan material list.

All turf heads are to be of the brand specified in the irrigation plan material list and the nozzle shall be sized and the head adjusted according to their location on the plan.

All spray heads are to be of the brand specified in the irrigation plan material list and their spray pattern and radius shall match their location found on the plan.

All sprinkler heads shall be in a plumb or vertical position as per their detail and all pop up sprinklers shall be allowed to swing joints or turny pipe limited to a length of 18" unless otherwise noted.

IRRIGATION SLEEVE SPECIFICATIONS

Irrigation sleeves shall be schedule 40 PVC pipe. All fittings shall be schedule 40.

All cuts to the irrigation sleeves shall be made squarely and all connections between pipes shall be fully engaged to eliminate any inconsistent gaps at fittings or bell end connections that can cause pipes passing through to catch.

Irrigation sleeves shall be installed a minimum of 18" below the paving they are passing under and shall extend 18" beyond the paving or as per code if more stringent.

Irrigation sleeves shall be installed where shown on the plans. If the irrigation sleeves cannot be installed where shown on the plans, they shall be field adjusted. This adjustment must still allow access to the area the irrigation sleeves were intended to service. This adjustment shall be documented on the plans for future locating of the irrigation sleeves and shall be done in accordance with the manufacturer's instructions. Each sleeve on the plans shall be placed in a single tier.

Irrigation sleeves shall be installed at the size shown on the plans. If no size is indicated on the plans, the irrigation sleeve shall be a minimum of twice the diameter of the pipe passing through it. This will allow for adequate room in the irrigation sleeve for the pipe passing through it and any necessary control wires. If it is believed that the diameter of the irrigation sleeve is not sufficient to allow all of the required control wires to pass through along with the piping, an additional irrigation sleeve shall be added at a size sufficient for all necessary control wire to pass through.

The ends of the irrigation sleeves shall be marked with pipe boards, etc. prior to backfilling the trench for ease of future locating. The ends of the irrigation sleeves shall also be located utilizing at a minimum a GPS WASSS system and documented on the plans for future locating in the event the physical marker is removed or destroyed during site work. The GPS locations shall also be documented on the asbuilts to add in locating the irrigation sleeves at any point in the future.

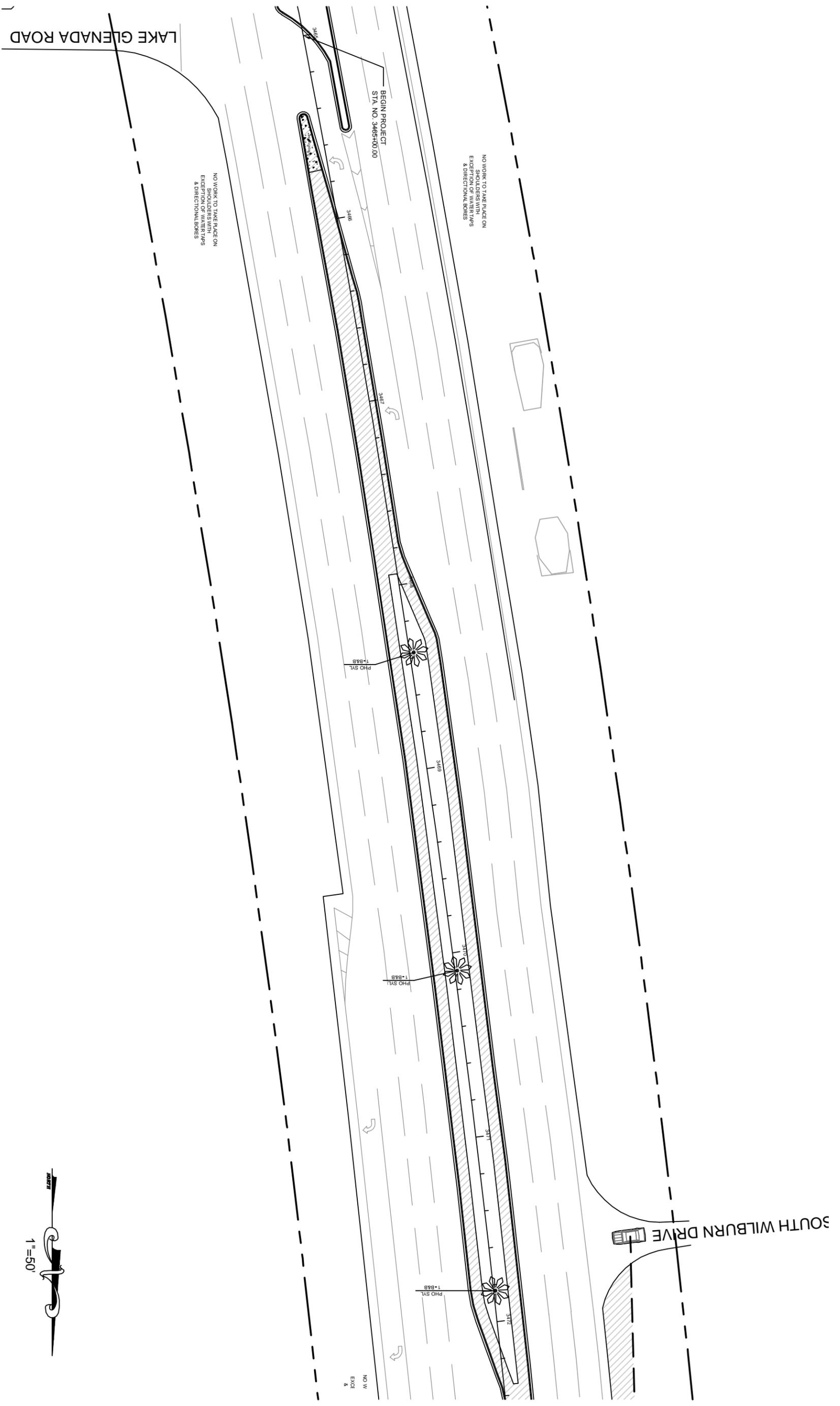
REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
ROAD NO.	COUNTY	FINANCIAL PROJ. ID	
25	HIGHLANDS	435695-1-74-01	

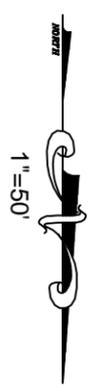
GENERAL NOTES		SHEET NO.
		LD-4

TECHINICAL MAINTENANCE PLAN

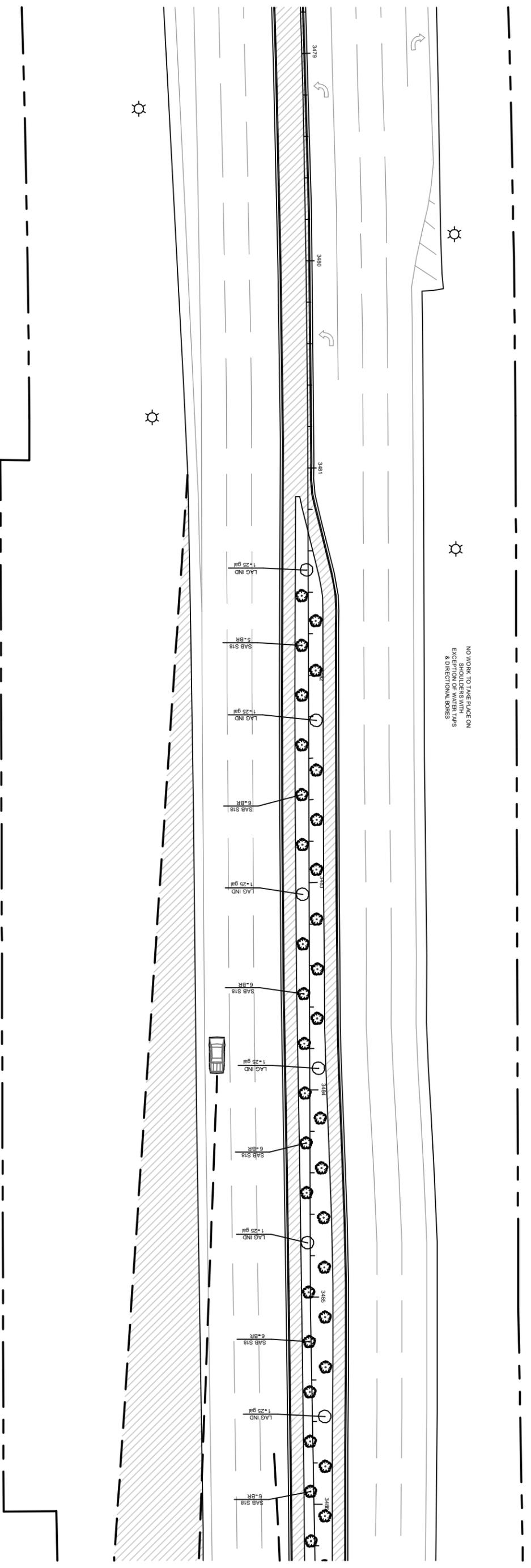
MAINTENANCE OPERATION													CITY OF AVON PARK COMMITMENT ON YEARLY CYCLE													
90 DAY ESTABLISHMENT PERIOD WEEKLY CYCLE																										
WEEK / MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MOWING	1	0	1	0	1	0	1	0	1	0	1	0	1	2	2	2	4	4	4	4	4	4	4	4	2	2
MOWING SHALL BE ACCOMPLISHED AT LEAST BI-WEEKLY DURING THE ESTABLISHMENT PERIOD IF NEEDED.													THE CITY SHALL MOW TURF AREAS WITHIN PROJECT AREA ON A BI-WEEKLY BASIS DURING THE GROWING SEASON (APRIL THROUGH OCTOBER), AND MONTHLY DURING THE COOL SEASON (NOVEMBER THROUGH MARCH) OR AS NEEDED. TURF SHALL BE MAINTAINED AT A HEIGHT OF 4".													
EDGING AND TRIMMING	1		1		1		1		1		1		1	2	2	2	4	4	4	4	4	4	4	2	2	
TRIMMING OF CURBS AND SIDEWALKS SHALL BE COMPLETED AT EACH MOWING.																										
WATERING	3	3	3	2	2	2	2	2	1	1	1	1	1													
WATERING TO BE PERFORMED EACH WEEK DURING PERIOD OF ESTABLISHMENT AT FREQUENCIES INDICATED ABOVE. WATER TO BE SUPPLIED BY IRRIGATION SYSTEM.													CITY TO WATER AS NEEDED AFTER ESTABLISHMENT PERIOD AND FINAL ACCEPTANCE OF PROJECT USING IRRIGATION SYSTEM. THE AMOUNT OF WATER WILL BE ADJUSTED SEASONALLY.													
WEEDING, HERBICIDE APPLICATION AND JANITORIAL	1			1					1				1	2	2	2	2	2	2	2	2	2	2	2	2	
INDIVIDUAL TREE RINGS AND LITTER REMOVAL DURING WEEKS INDICATED ABOVE.													BI-WEEKLY WEEDING BY HAND OR CHEMICAL APPLICATION. HERBICIDES SHALL BE LIMITED TO THE USE OF "ROUND UP" APPLIED AT THE RATE OF 1 1/2 OZ. PER GALLON UNDER THE SUPERVISION OF A LICENSED APPLICATOR. LITTER SHALL BE REMOVED AT THE FREQUENCY INDICATED ABOVE.													
PRUNING																										
AS NEEDED TO REMOVE DEAD AND DAMAGED FRONDS DUE TO HANDLING AND INSTALLATION OPERATIONS. MUST MAINTAIN FLORIDA GRADE #1 FORM.													PRUNING TO BE ACCOMPLISHED, AS NEEDED, USING HAND SAWS, LOPPING SHEARS OR HAND PRUNERS TO MAINTAIN NATURAL FORM AND CHARACTER.													
FERTILIZATION																										
PLANTINGS TO BE FERTILIZED WHEN PLANTED USING A COMPLETE SLOW RELEASE FERTILIZER. FERTILIZER TO BE UNIFORMLY AROUND THE ROOT BALL.													TURF IN MEADIANs TO BE FERTILIZED ANNUALLY BE TOP DRESSING USING BROADCAST SPREADER. 16-4-8 ANALYSIS, PELLETTIZED, SLOW RELEASE FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATES: TREES AND PALMS: 2 LBS. / INCH OF CALIPER, TURF: 1 LB. OF NITROGEN / 1000 SQ.FT.													
MULCHING																										
MULCH ALL NEWLY INSTALLED PLANTINGS WITHIN 1 WEEK OF INSTALLATION													REPLENISH 3" MULCH LAYER ONCE PER YEAR. REPLENISH AREAS THINNED OR DISTURBED (AS NEEDED) THROUGHOUT THE YEAR TO MAINTAIN COVERAGE.													
REVISIONS																										
DATE	DESCRIPTION		DATE	DESCRIPTION																						
						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 25 COUNTY HIGHLANDS FINANCIAL PROJ.ID 435695-1-74-01																				
TECHINICAL MAINTENANCE PLAN																						SHEET NO.				
TECHINICAL MAINTENANCE PLAN																						LD-5				



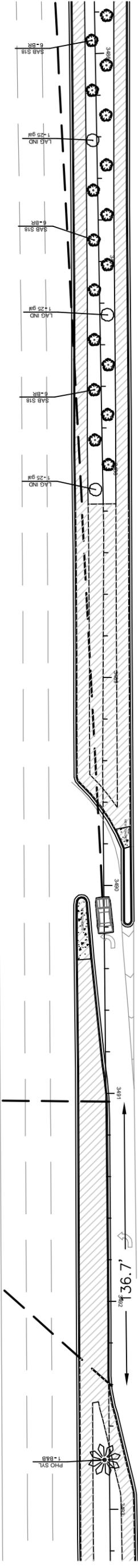
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN STA. 3465+00.00 TO STA. 3472+00.00	SHEET NO. LD-6
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	FINANCIAL PROJ. ID 435695-1-74-01	



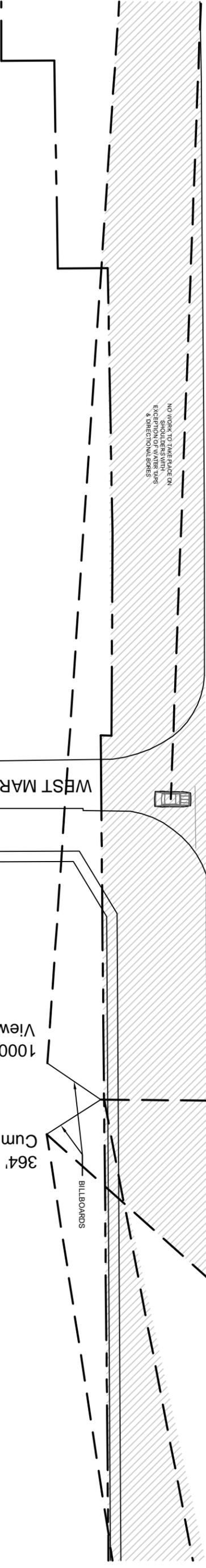
NO WORK TO TAKE PLACE ON
SHOULDER WITH
EXCEPTION OF WATER TAPS
& DIRECTIONAL BORES



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN STA. 3479+00.00 TO STA. 3486+00.00	SHEET NO. LD-8
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	FINANCIAL PROJ. ID 435695-1-74-01	



NO WORK TO TAKE PLACE ON EXCEPTED AREAS EXCEPT FOR WATER TAPS & DIRECTIONAL BORES



WEST MARTIN ROAD

1000' Continuous Viewing Zone

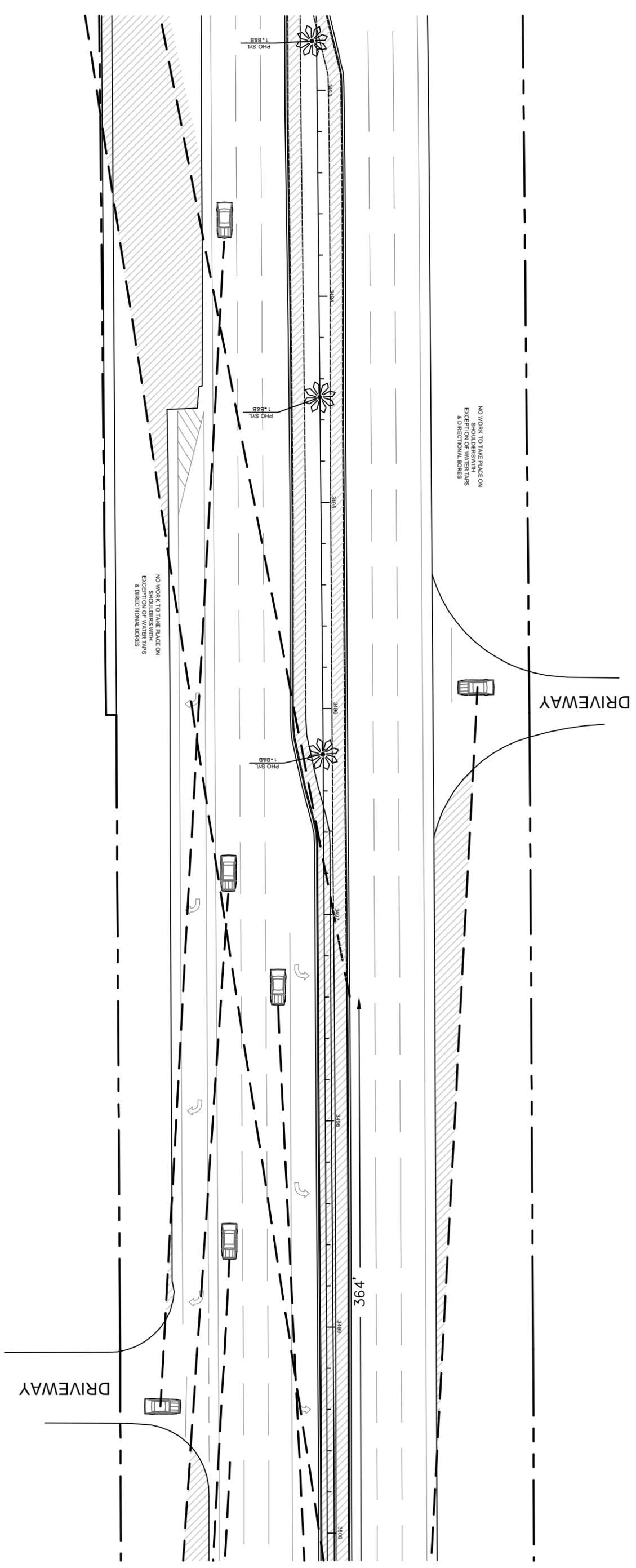
364' + 136' = 528' Cumulative Viewing Zone

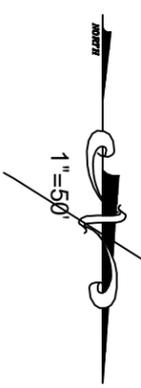
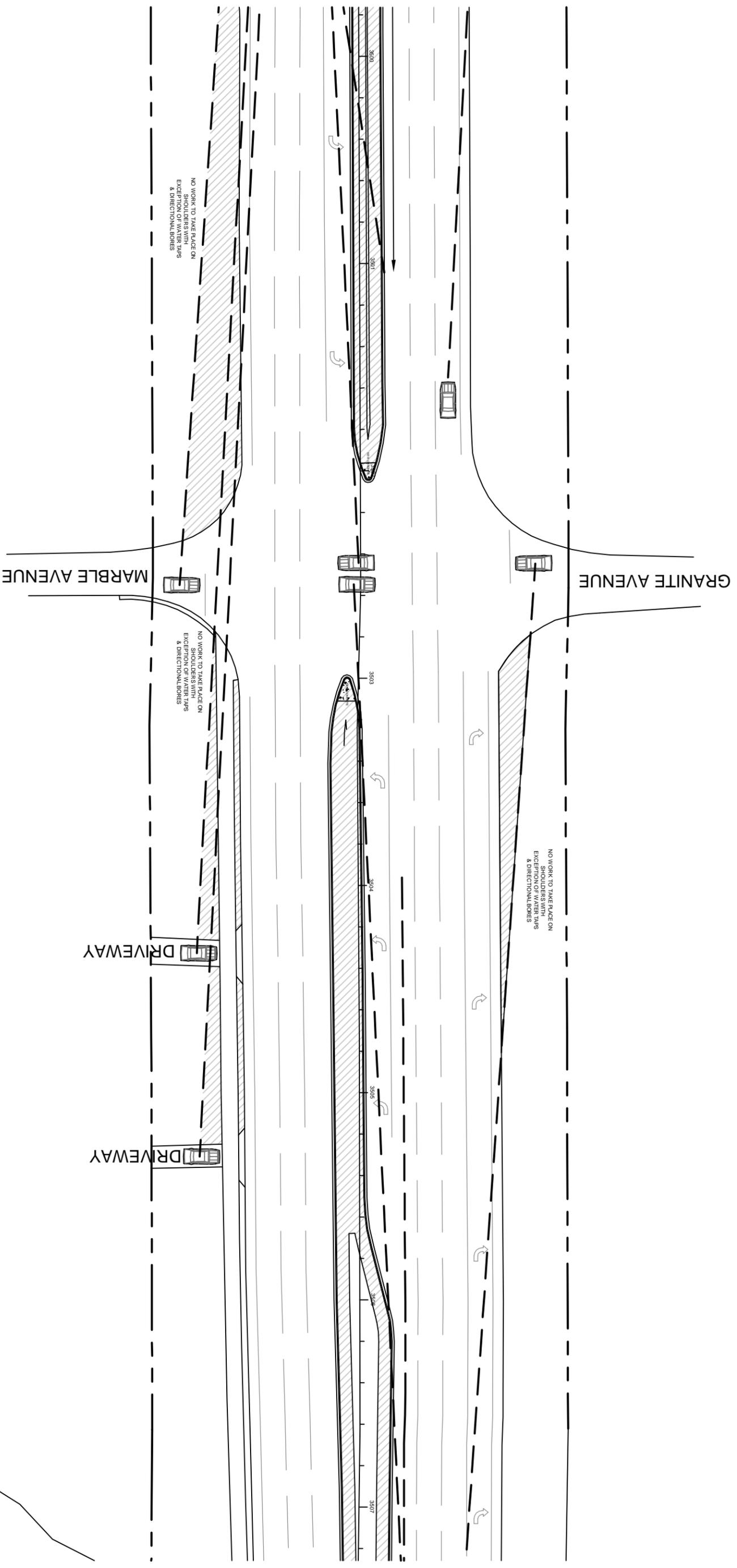
BILLBOARDS



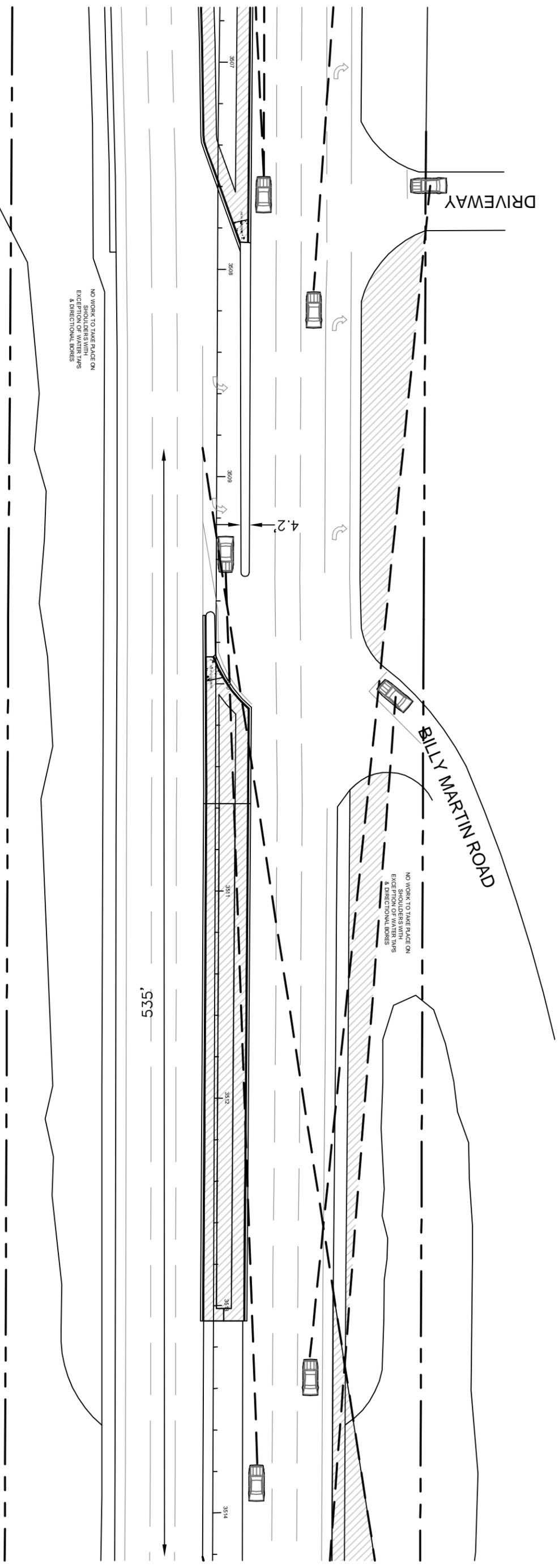
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN STA. 3486+00.00 TO STA. 3493+00.00	SHEET NO. LD-9
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	FINANCIAL PROJ.ID 435695-1-74-01	

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN STA. 3493+00.00 TO STA. 3500+00.00	SHEET NO. LD-10
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	435695-1-74-01	



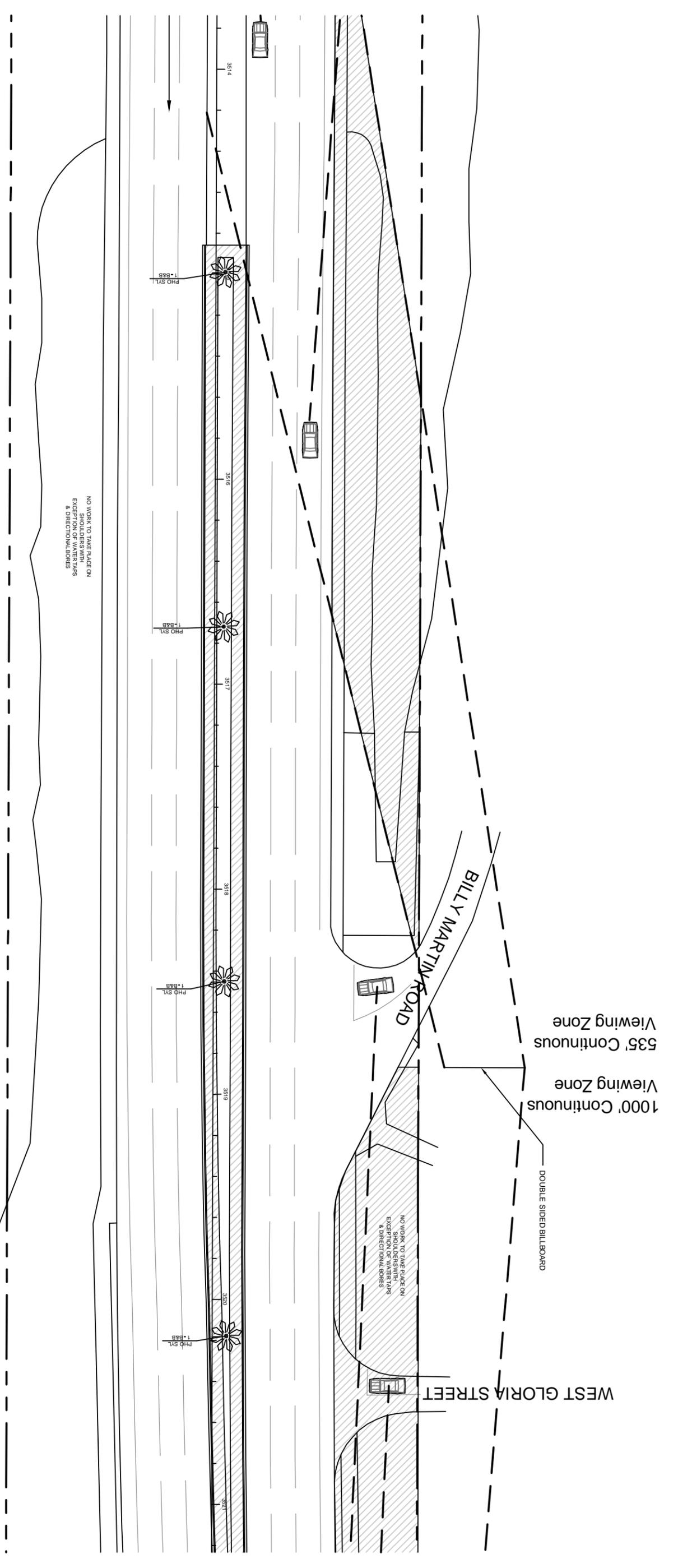
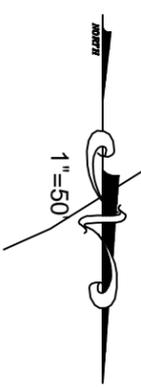


REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN STA. 3500+00.00 TO STA. 3507+00.00	SHEET NO. LD-11
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	FINANCIAL PROJ. ID 435695-1-74-01	



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN STA. 3507+00.00 TO STA. 3514+00.00	SHEET NO. LD-12
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	FINANCIAL PROJ. ID 435695-1-74-01	

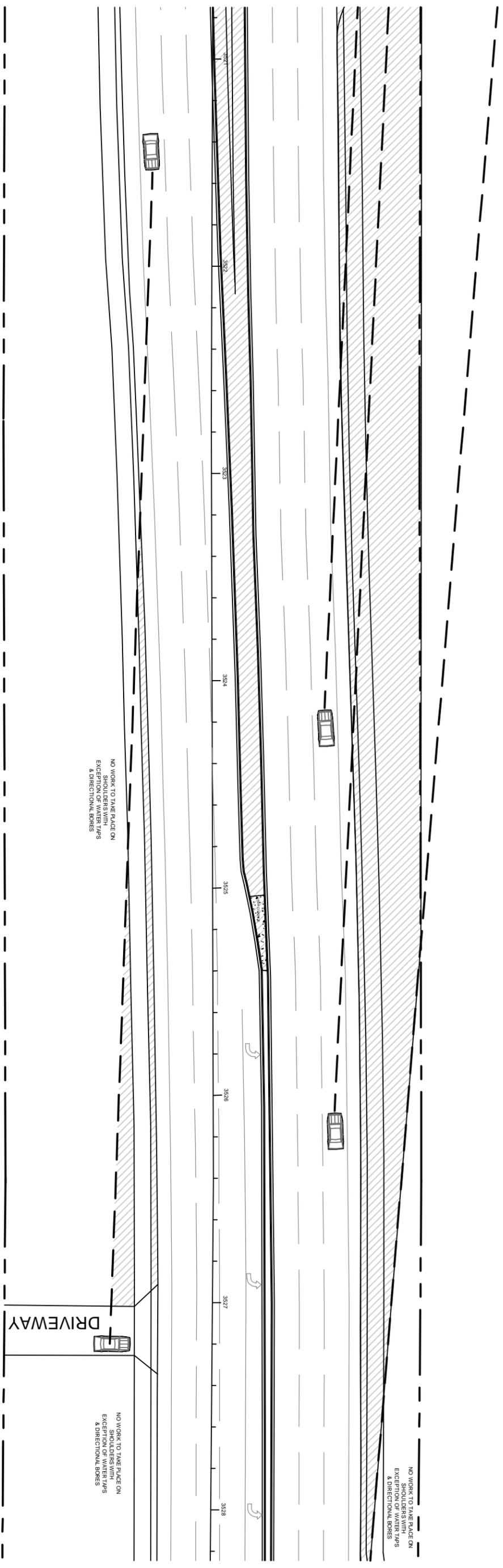
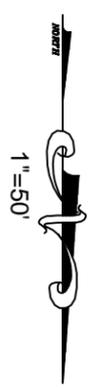
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJ.ID 435695-1-74-01	LANDSCAPE PLAN STA. 3514+00.00 TO STA. 3521+00.00	SHEET NO. LD-13
DATE	DESCRIPTION	ROAD NO. 25	COUNTY HIGHLANDS			

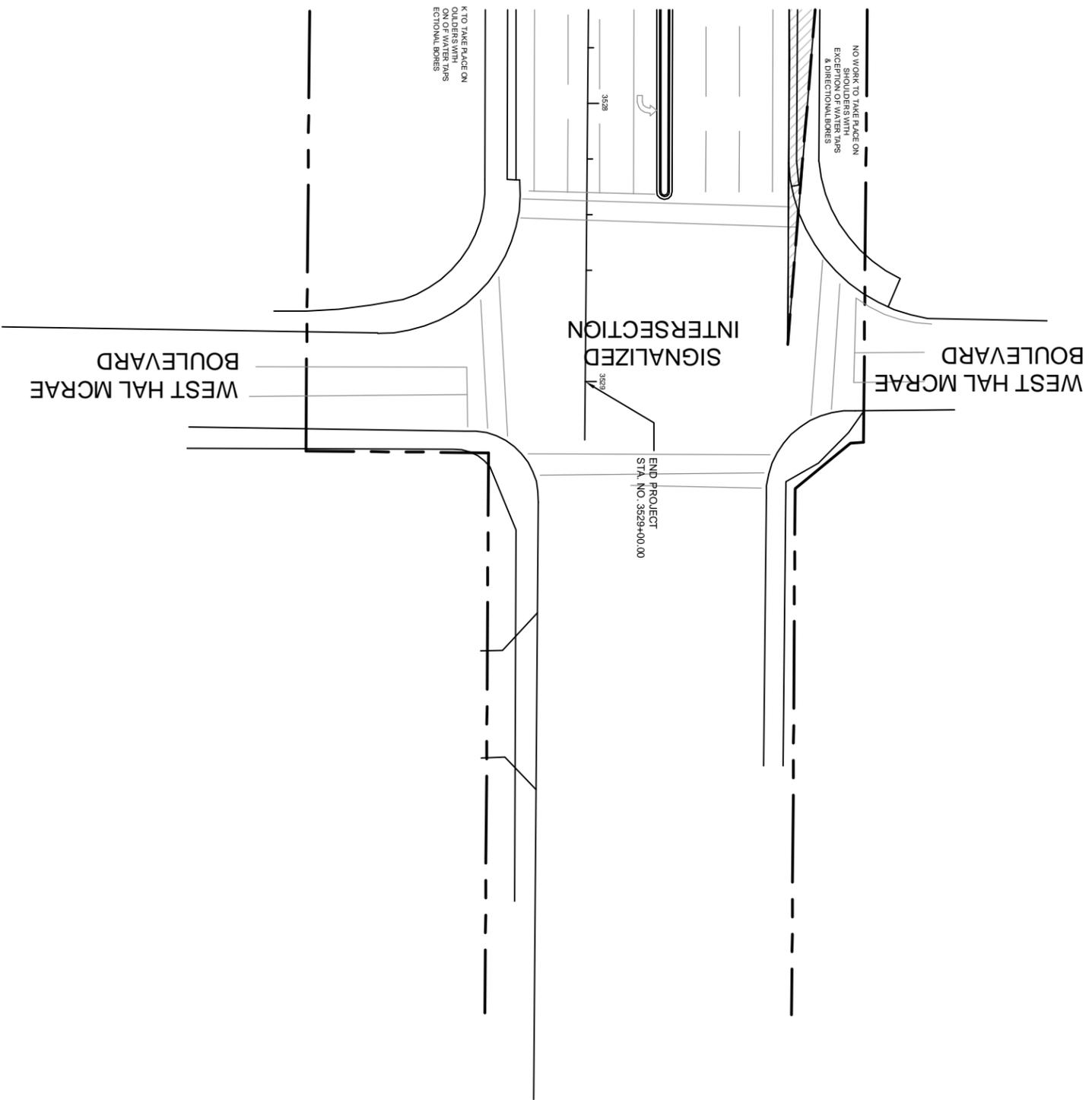


REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION

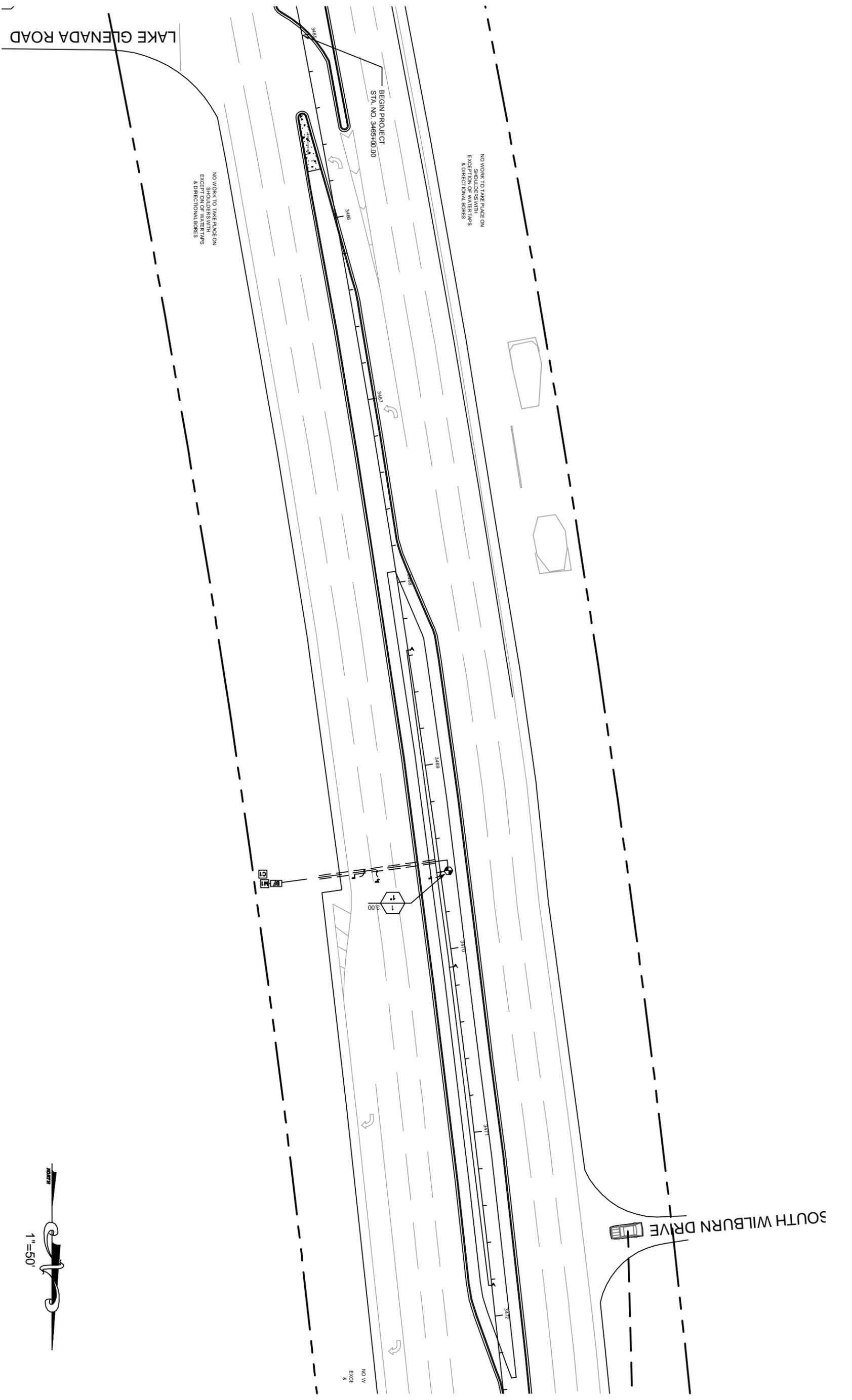
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJ. ID 435695-1-74-01	
ROAD NO. 25	COUNTY HIGHLANDS		

LANDSCAPE PLAN		SHEET NO.
STA. 3521+00.00 TO STA. 3528+00.00		LD-14





REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.
DATE	DESCRIPTION	ROAD NO.	COUNTY	
		25	HIGHLANDS	LD-15
			FINANCIAL PROJ. ID 435695-1-74-01	
LANDSCAPE PLAN STA. 3528+00.00 TO STA. 3529+00.00				



LAKE GLENADA ROAD

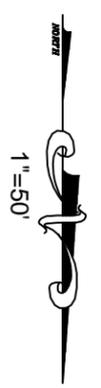
SOUTH WILBURN DRIVE

BEGIN PROJECT
STA. NO. 3465+00.00

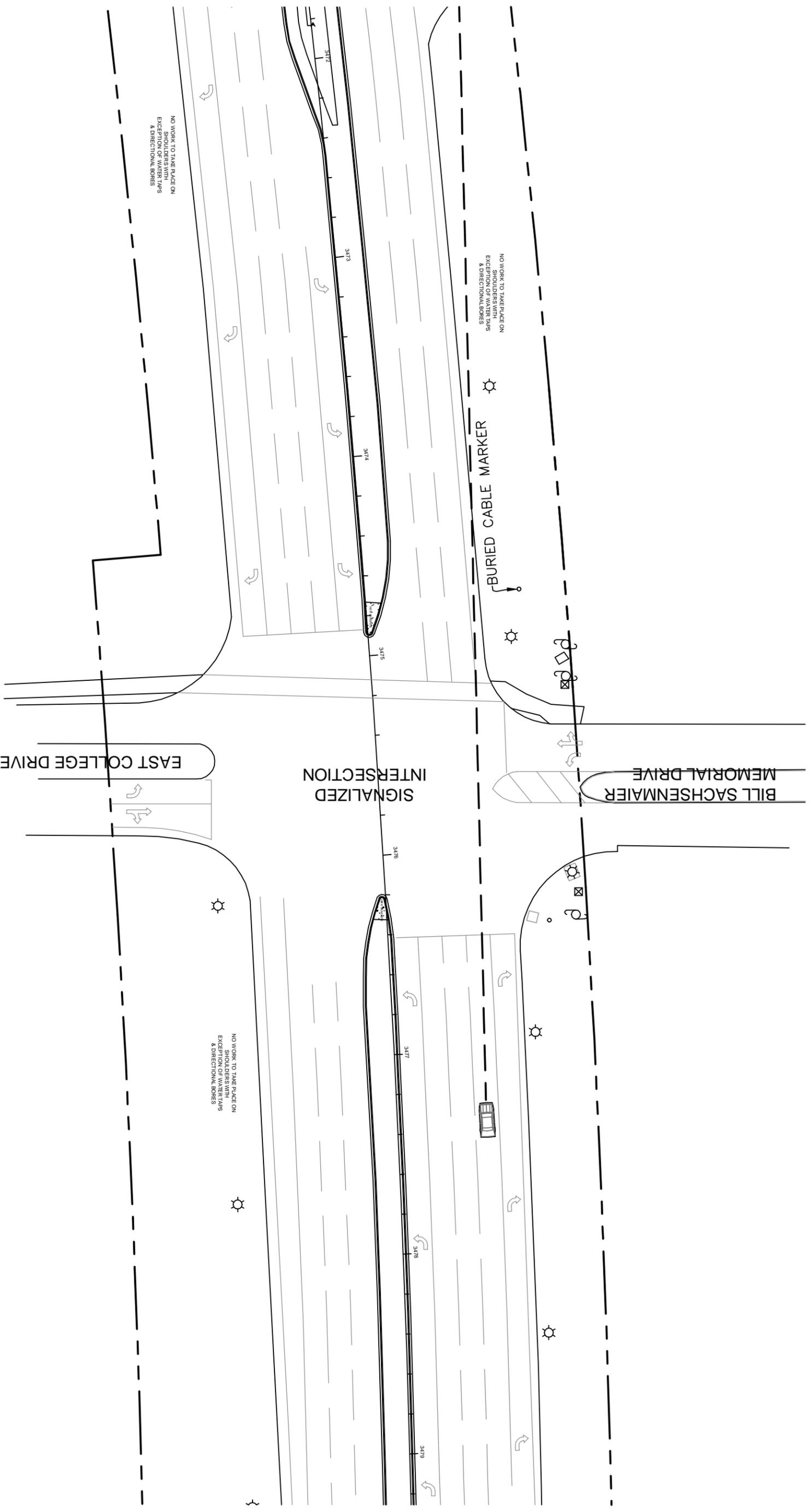
NO WORK TO TAKE PLACE ON
SHOULDERS WITH
EXCEPTION OF WATER TAPS
& DIRECTIONAL BORES

NO WORK TO TAKE PLACE ON
SHOULDER WITH
EXCEPTION OF WATER TAPS
& DIRECTIONAL BORES

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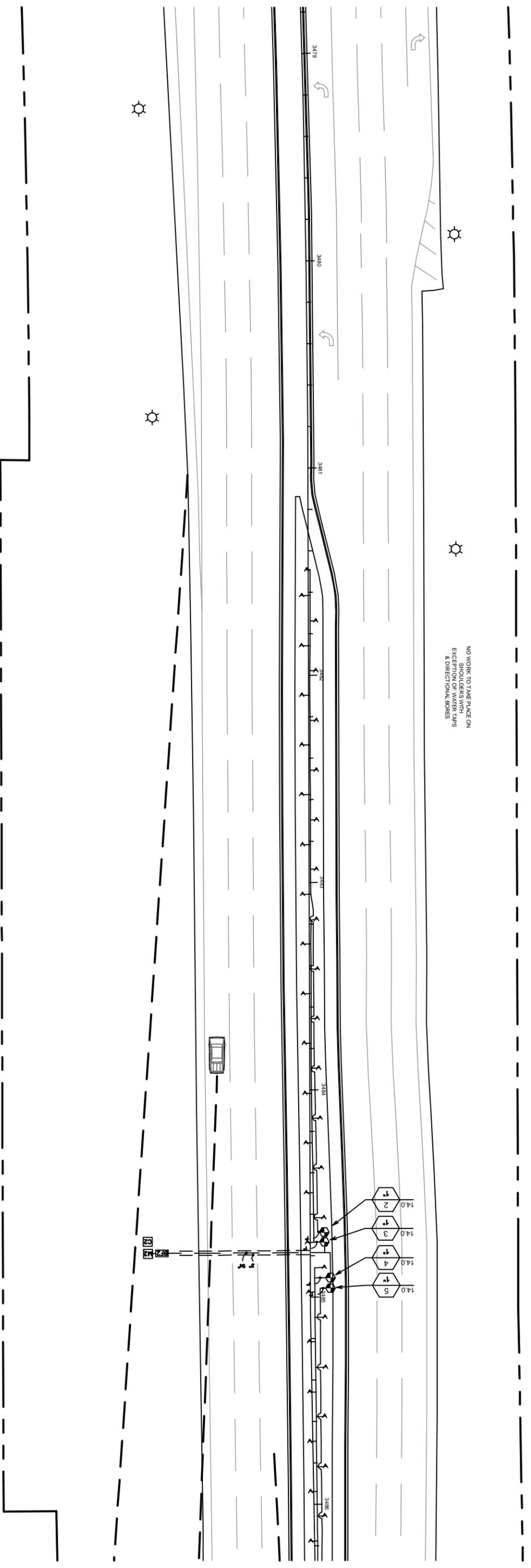


REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3465+00.00 TO STA. 3472+00.00	SHEET NO. LD-16
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	435695-1-74-01	

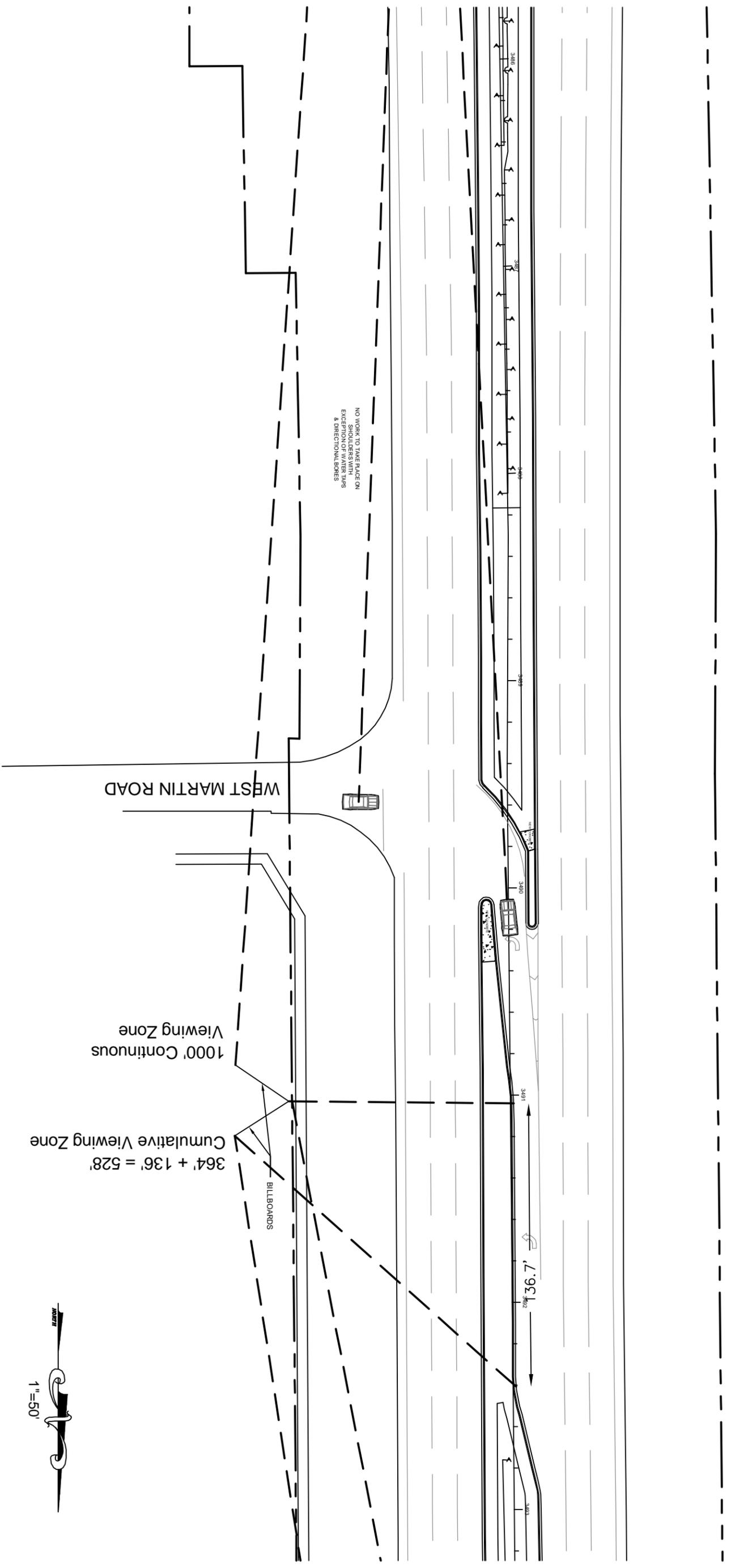


REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3472+00.00 TO STA. 3479+00.00	SHEET NO. LD-17
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	FINANCIAL PROJ. ID 435695-1-74-01	

NO WORK TO TAKE PLACE ON
SHOULDER WITH
EXCEPTION OF WATER TAPS
& DIRECTIONAL BORES



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3479+00.00 TO STA. 3486+00.00	SHEET NO. LD-18
DATE	DESCRIPTION	DATE	DESCRIPTION		
				ROAD NO. 25	
				COUNTY HIGHLANDS	
				FINANCIAL PROJ. ID 435695-1-74-01	



NO WORK TO TAKE PLACE ON THIS SHEET EXCEPT FOR WATER TAPS & DIRECTIONAL BORES

1000' Continuous Viewing Zone

364' + 136' = 528'

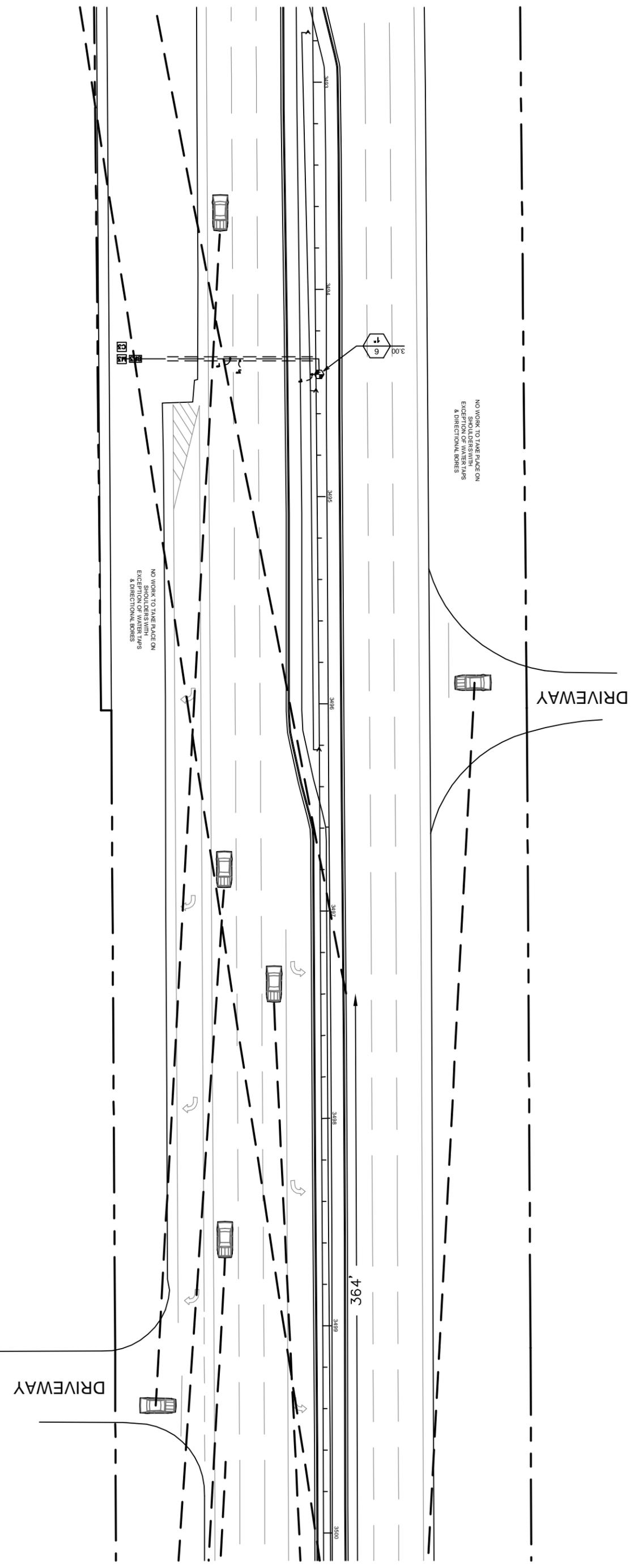
Cumulative Viewing Zone

BILLBOARDS

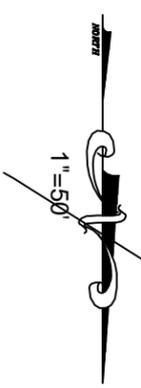
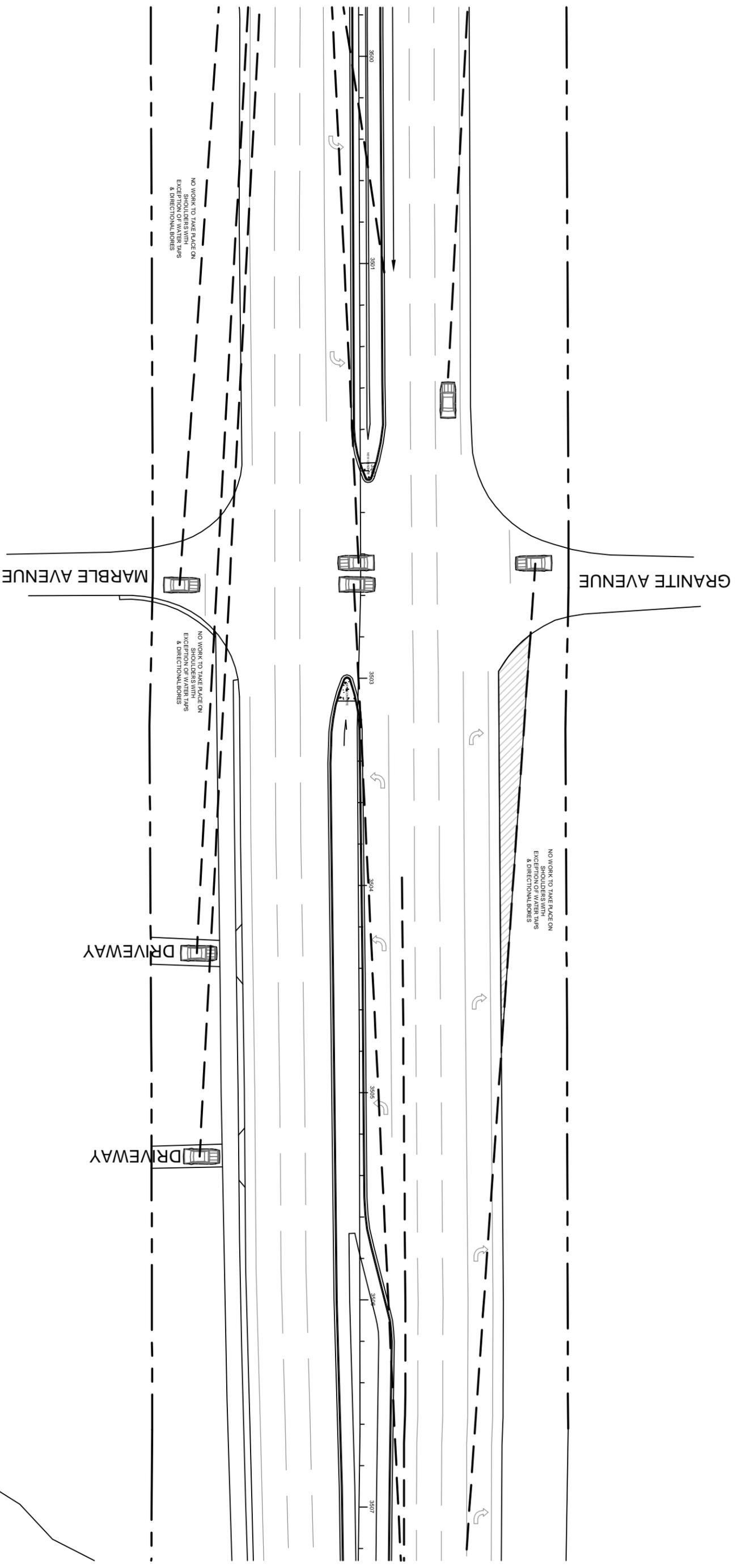


REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3486+00.00 TO STA. 3493+00.00	SHEET NO. LD-19
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	435695-1-74-01	

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3493+00.00 TO STA. 3500+00.00	SHEET NO. LD-20
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	435695-1-74-01	

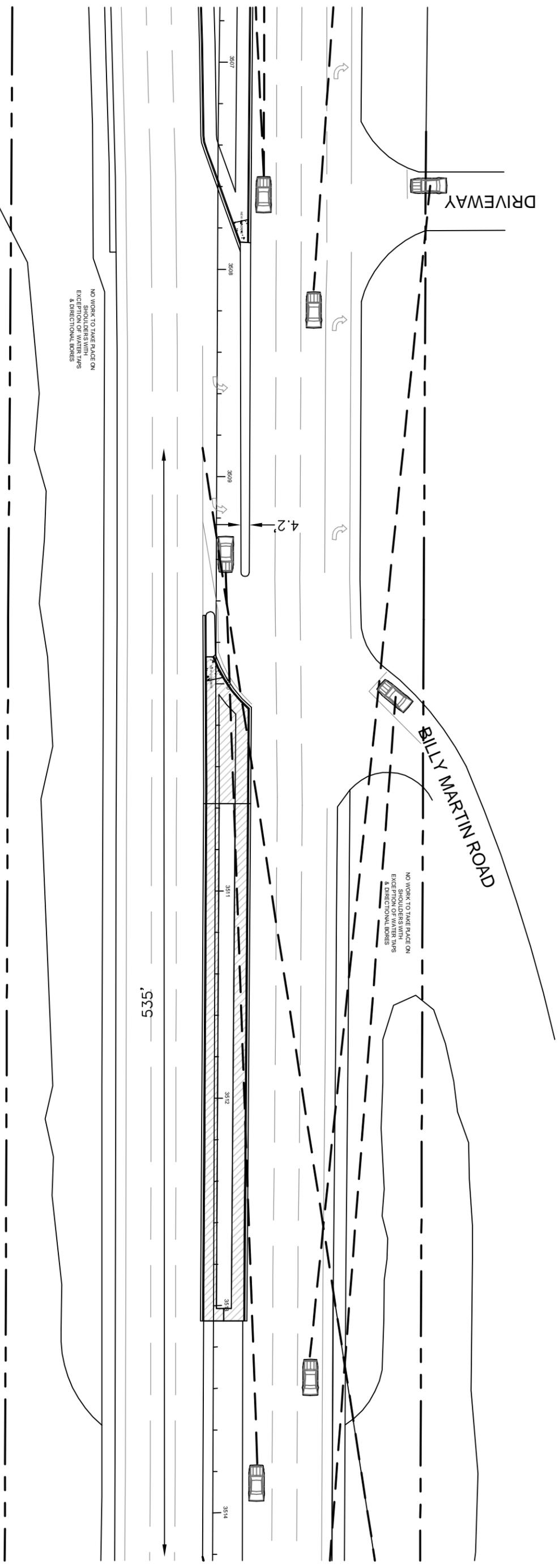


DATE	DESCRIPTION	DATE	DESCRIPTION



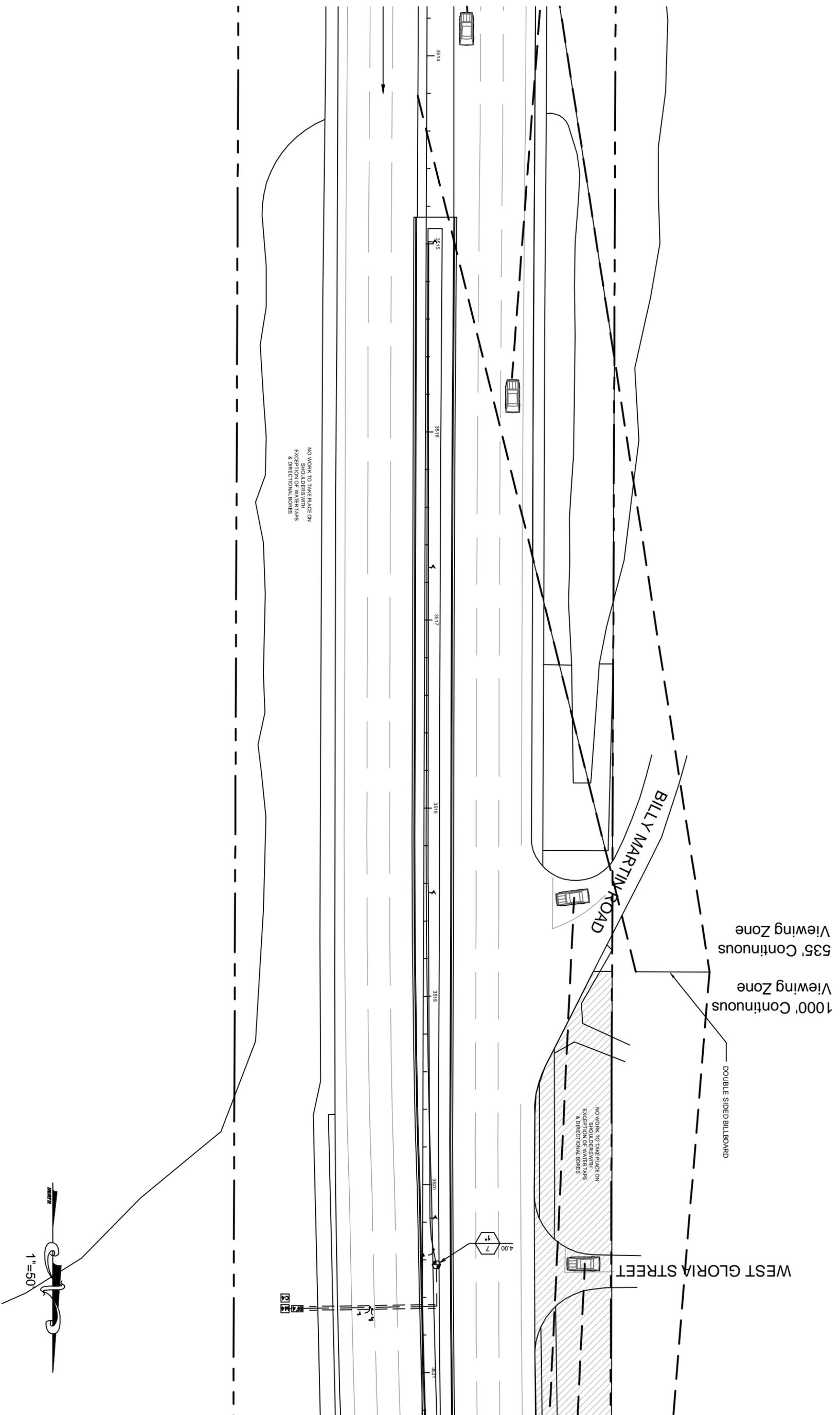
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJ.ID		SHEET NO.
DATE	DESCRIPTION	ROAD NO.	COUNTY	435695-1-74-01	LD-21	
		25	HIGHLANDS			

IRRIGATION PLAN
STA. 3500+00.00 TO STA. 3507+00.00

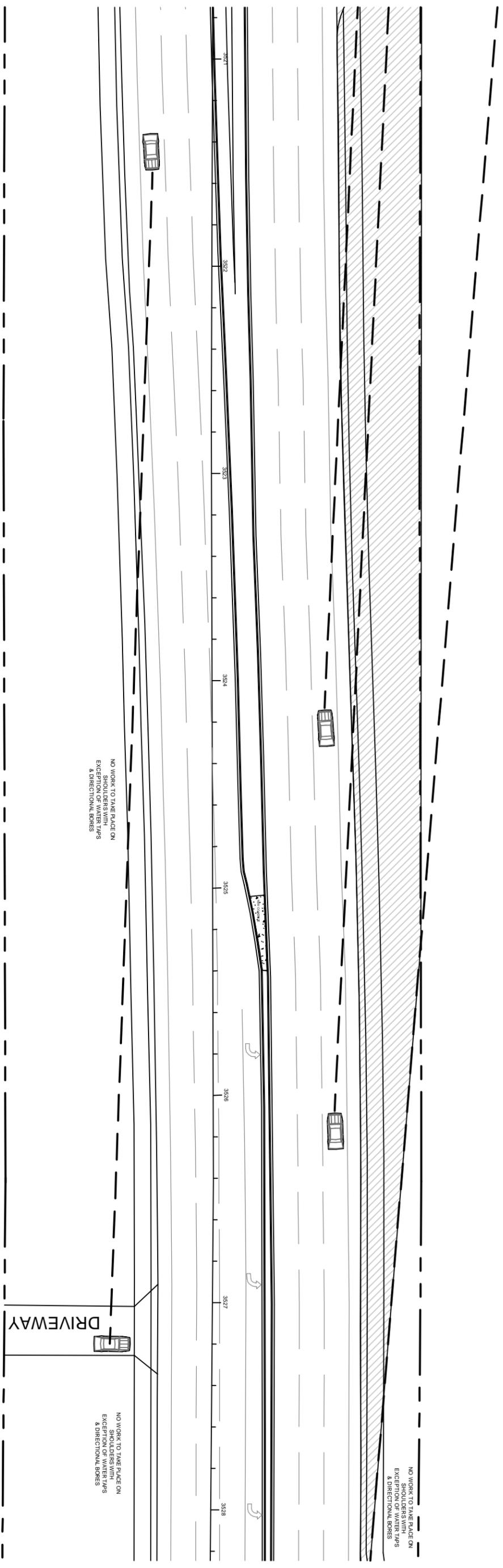


REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3507+00.00 TO STA. 3514+00.00	SHEET NO. LD-22
DATE	DESCRIPTION	ROAD NO.	COUNTY		
		25	HIGHLANDS	435695-1-74-01	

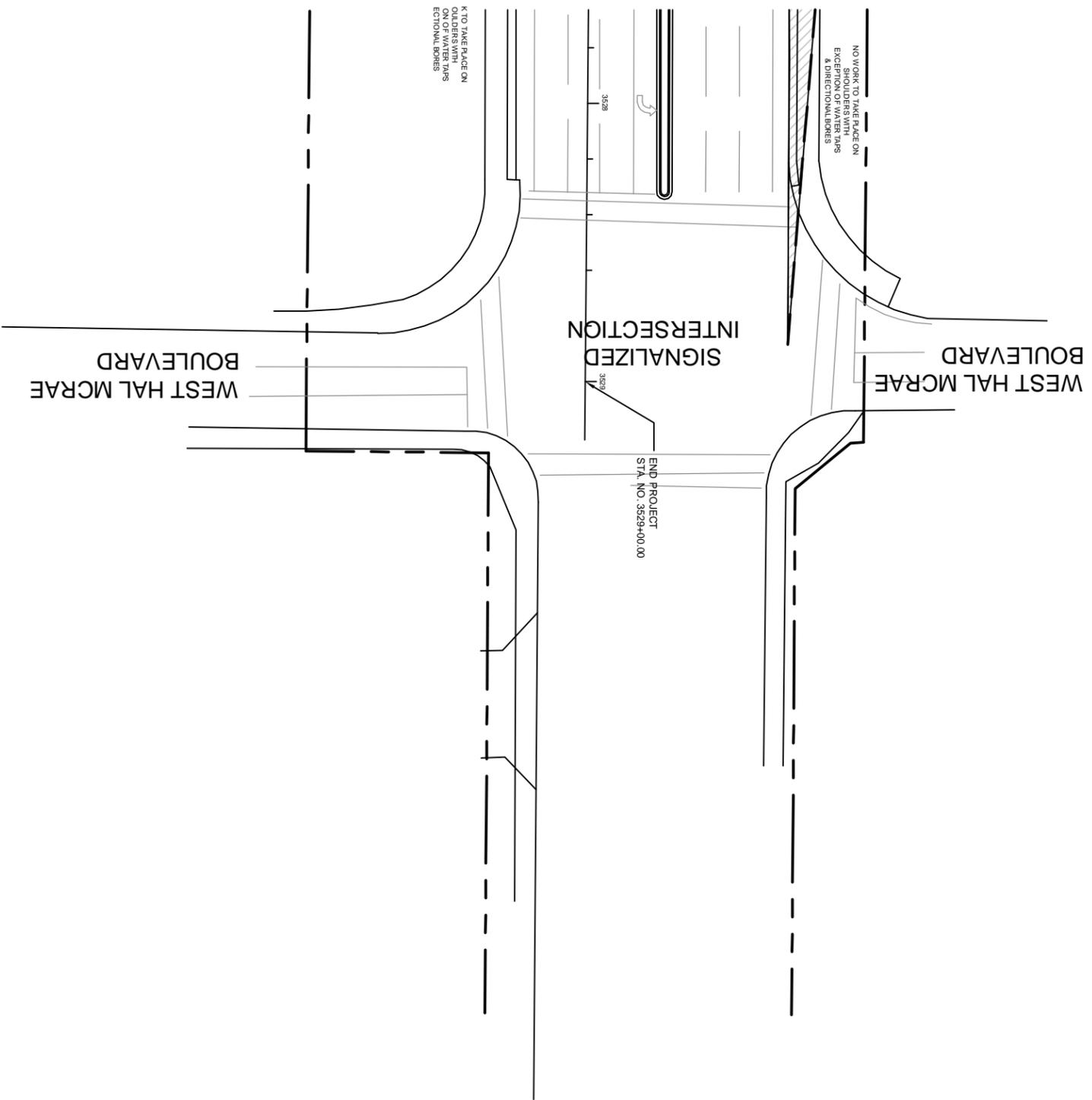
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3514+00.00 TO STA. 3521+00.00	SHEET NO. LD-23
DATE	DESCRIPTION	DATE	DESCRIPTION		
				ROAD NO. 25	
				COUNTY HIGHLANDS	
				FINANCIAL PROJ. ID 435695-1-74-01	



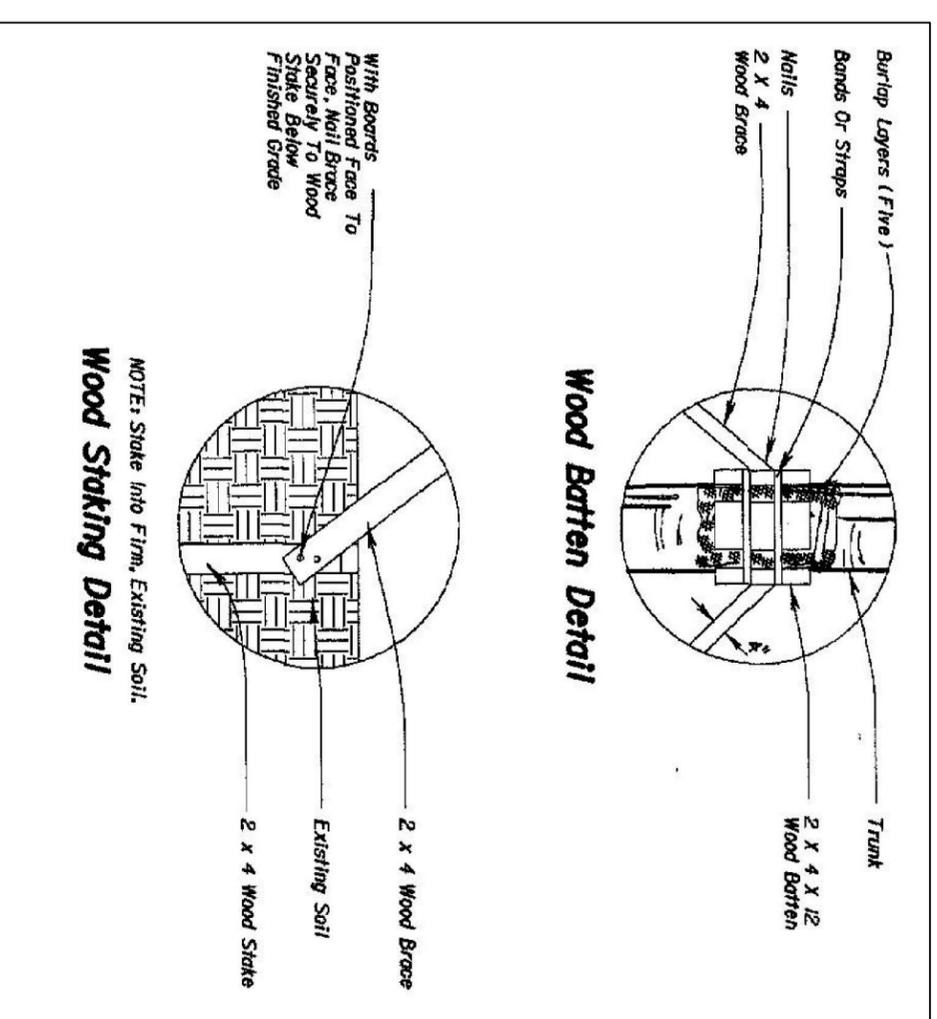
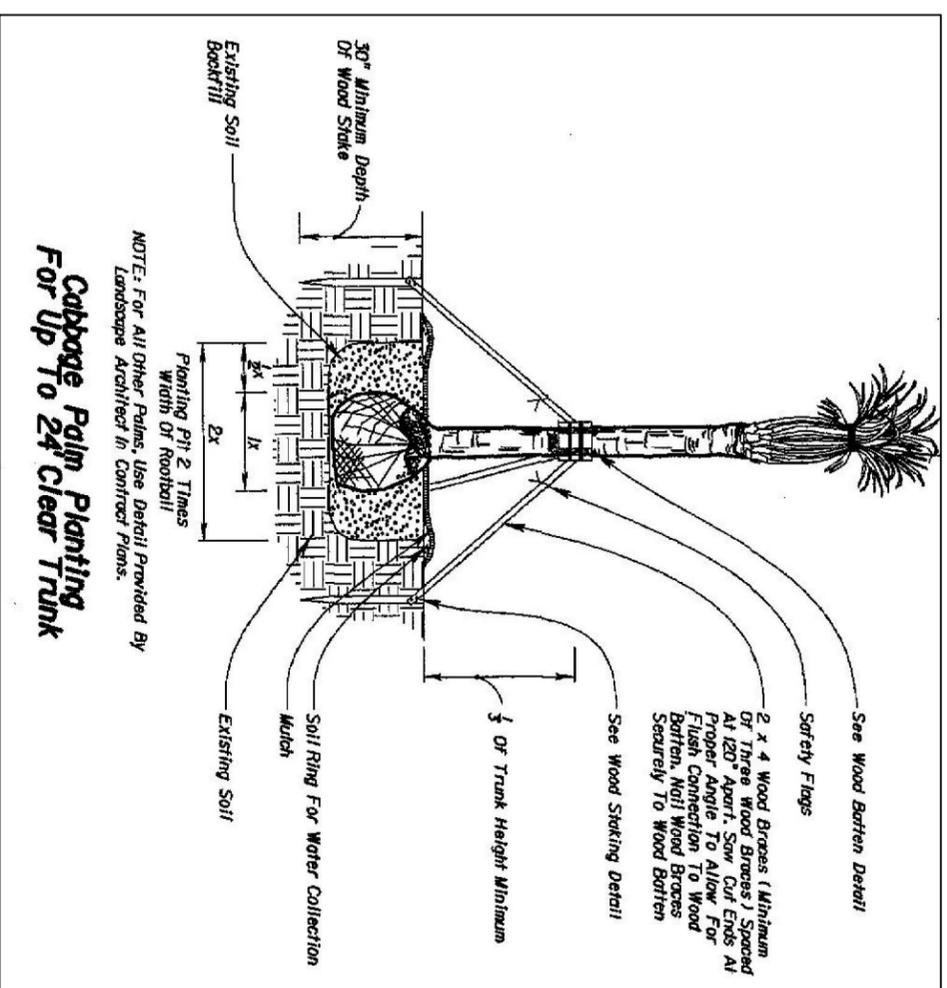
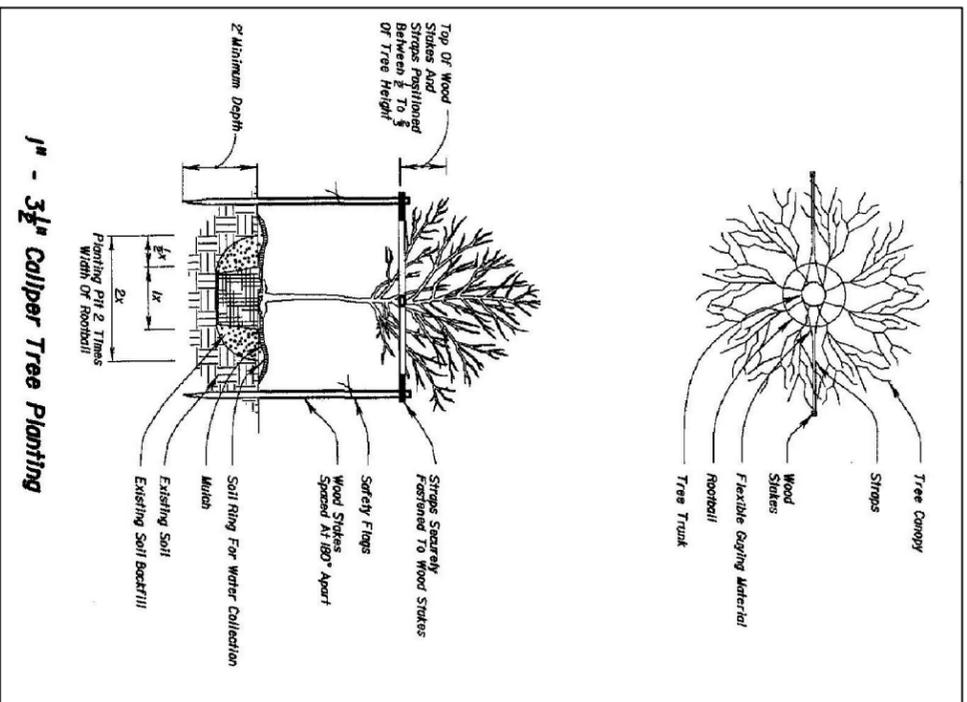
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN STA. 3521+00.00 TO STA. 3528+00.00	SHEET NO. LD-24
DATE	DESCRIPTION	ROAD NO.	FINANCIAL PROJ. ID		
		25	435695-1-74-01		



DATE	DESCRIPTION	DATE	DESCRIPTION



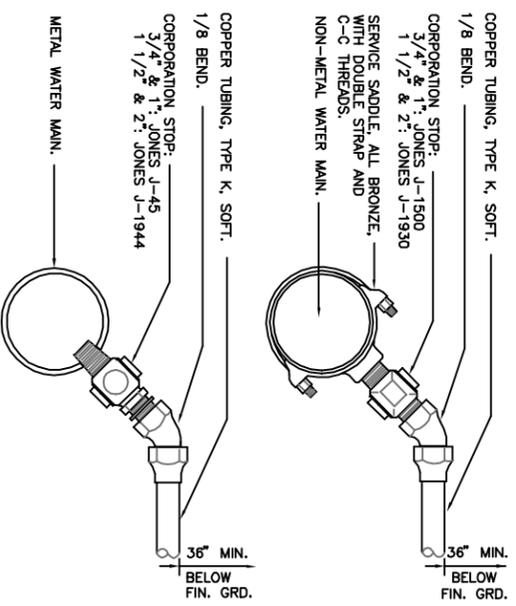
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DATE	DESCRIPTION	ROAD NO.	COUNTY	
		25	HIGHLANDS	LD-25
		FINANCIAL PROJ. ID		IRRIGATION PLAN STA. 3528+00.00 TO STA. 3529+00.00
		435695-1-74-01		



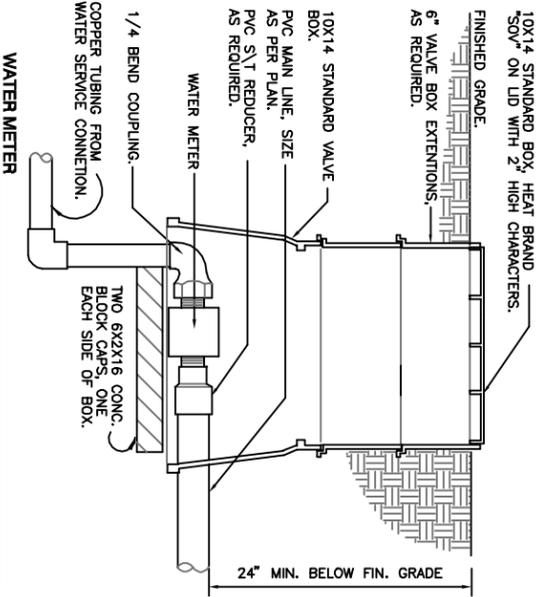
GENERAL NOTES:

1. All dimensions 6" and less are exaggerated for illustrative purposes only.
2. Plant containers shall be removed prior to planting. If plants are not container grown, remove a minimum of the top 1/3 of burlap, fabric, or wire mesh. Never lift or handle the tree by the trunk.
3. The uppermost root on all trees shall be covered by less than 1" of soil. Use hand tools to carefully remove all excess soil. The top of root ball shall be set 1"-2" above finish grade and set plumb to the horizon. If planting pit is too deep, remove the tree and firmly pack additional soil in the bottom of the planting pit to raise the rootball. After positioning the tree in the planting pit, slice through rootballs with 3 or 4 vertical slices (top to bottom) equally distributed around the tree.
4. Backfill shall be loosened 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. If existing soils contain excessive sand, clay, or other material not conducive to proper plant growth, contact Engineer prior to planting.
5. Soil rings shall be constructed of existing soil at the outer edge of the planting pit, with a height of 3" and gently sloping sides. Do not pile soil on top of rootball.
6. Mulch shall be a 3" deep layer placed to the edge of the trunk flare, or solidly around groundcover. Never pile mulch against the tree trunk.
7. Straps shall be minimum 1" wide nylon or polypropylene. All wood stakes or anchors shall be located beyond the edge of soil ring and located below finished grade, unless otherwise specified.
8. Sabal Palms may be hurricane cut. All other palms must have fronds tied with biodegradable twine. Palm trunks shall have no burn marks, scars, or sanding.
9. All dimensions provided for wood materials are nominal.
10. When a permanent, subsurface, or drip irrigation system is provided, a soil ring is not required. Mulch to edge of planting pit.
11. Alternate tree bracing and guying systems approved by the Engineer may be used in lieu of the tree bracing and guying methods detailed on the index.
12. Remove aboveground guying systems at the end of the establishment period.

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJ.ID	435695-1-74-01	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				ROAD NO.	COUNTY	DETAILS
				25	HIGHLANDS	
						LD-26

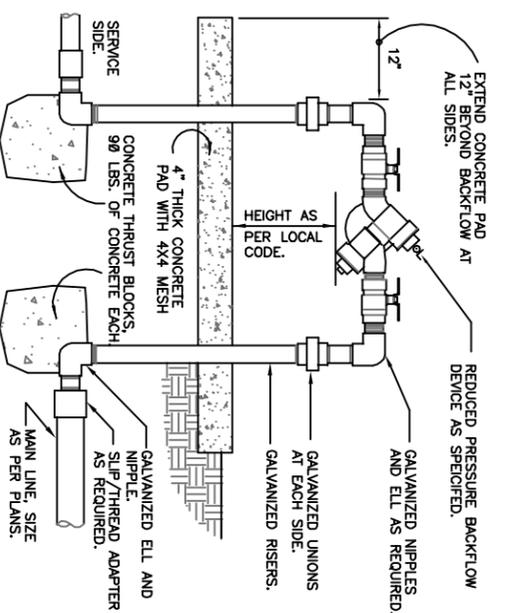


WATER SERVICE CONNECTION



2 REDUCED PRESSURE BACKFLOW

THE BACKFLOW PREVENTER INSTALLATION SHALL BE PER CITY OF AVON PARK UTILITIES DEPARTMENT SPECIFICATIONS AND IF DETAIL AND SPECIFICATIONS CONFLICT THEN THE SPECIFICATIONS SHALL RULE.

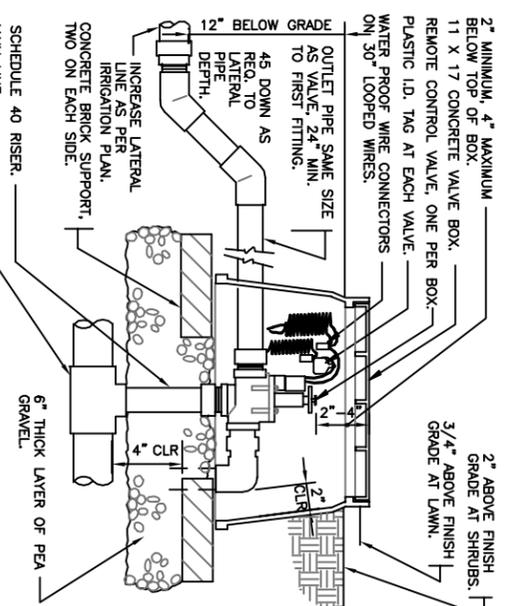


3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

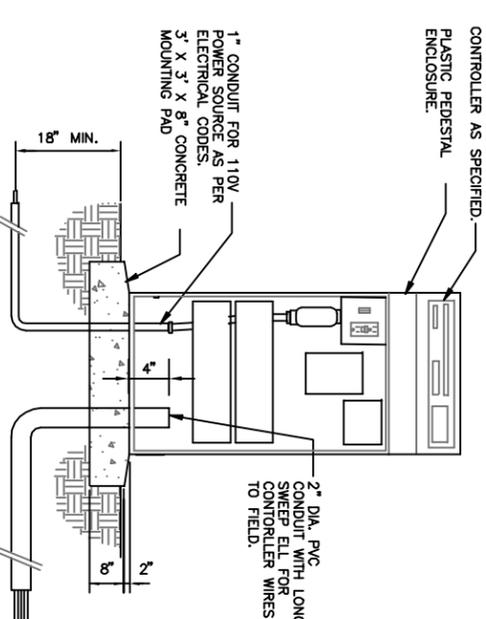
4 ELECTRIC REMOTE CONTROL VALVE

02810-30001

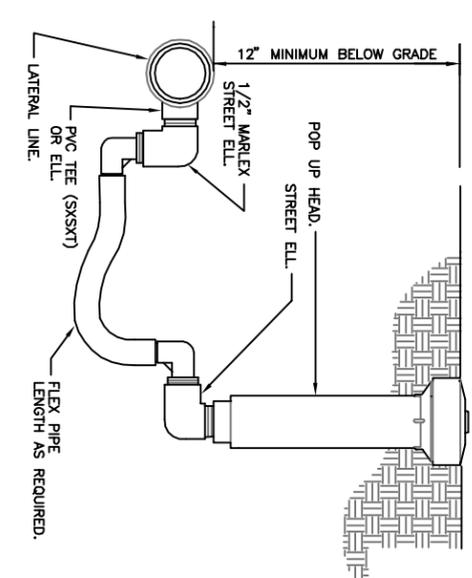


6 HUNTER PEDESTAL CONTROLLER

32 84/09.16-23



NOTES:
1. ALL INSTALLATION SHALL BE AS PER THE MANUFACTURER'S REQUIREMENTS AND DETAILS.
2. ALL SPRINGS SHALL BE MADE INSIDE VALVE BOXES.
3. THE CONTROLLER ZONE SEQUENCE SHALL FOLLOW THE PLAN NUMBERS.



5 POP UP BUBBLER DETAIL

02810-00020

3

3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

5

5 POP UP BUBBLER DETAIL

02810-00020

1 COPPER WATER SERVICE CONNECTION

02810-80010

3

3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

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5 POP UP BUBBLER DETAIL

02810-00020

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3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

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5 POP UP BUBBLER DETAIL

02810-00020

1 COPPER WATER SERVICE CONNECTION

02810-80010

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3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

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5 POP UP BUBBLER DETAIL

02810-00020

1 COPPER WATER SERVICE CONNECTION

02810-80010

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3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

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5 POP UP BUBBLER DETAIL

02810-00020

1 COPPER WATER SERVICE CONNECTION

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3 DIRECTIONAL BORE DETAIL

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5 POP UP BUBBLER DETAIL

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1 COPPER WATER SERVICE CONNECTION

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3 DIRECTIONAL BORE DETAIL

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3 DIRECTIONAL BORE DETAIL

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5 POP UP BUBBLER DETAIL

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3 DIRECTIONAL BORE DETAIL

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1 COPPER WATER SERVICE CONNECTION

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3 DIRECTIONAL BORE DETAIL

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3 DIRECTIONAL BORE DETAIL

32 84/09.76-87

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5 POP UP BUBBLER DETAIL

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1 COPPER WATER SERVICE CONNECTION

02810-80010

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3 DIRECTIONAL BORE DETAIL

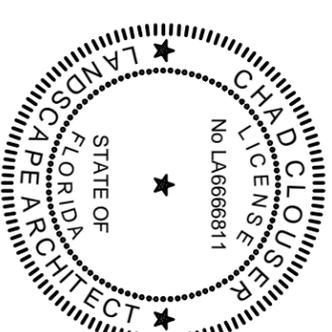
32 84/09.76-87

5

5 POP UP BUBBLER DETAIL

02810-00020

1 COPPER WATER SERVICE CONNECTION



CHAD CLOUSER
 HEARTLAND DESIGNS
 P.O. BOX 3164
 LAKE PLACID, FL 33862
 FL LAND. ARCH. COMPANY LICENSE NO. LC 26000294
 CHAD CLOUSER, LA NO. LA6666811

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	TABULATION OF QUANTITIES AND PLANT SCHEDULE
LD-3	TABULATION OF QUANTITIES AND SCHEDULE FOR IRRIGATION
LD-4	GENERAL NOTES
LD-5	TECHNICAL MAINTENANCE PLAN
LD-6 - LD-15	LANDSCAPE PLAN SHEETS
LD-16 - LD-25	IRRIGATION PLAN SHEETS
LD-26 - LD-27	DETAIL SHEETS
LD-28	SIGNATURE SHEET

REVISIONS		REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. LD-28
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJ.ID		
				25	HIGHLANDS	435695-1-74-01		