

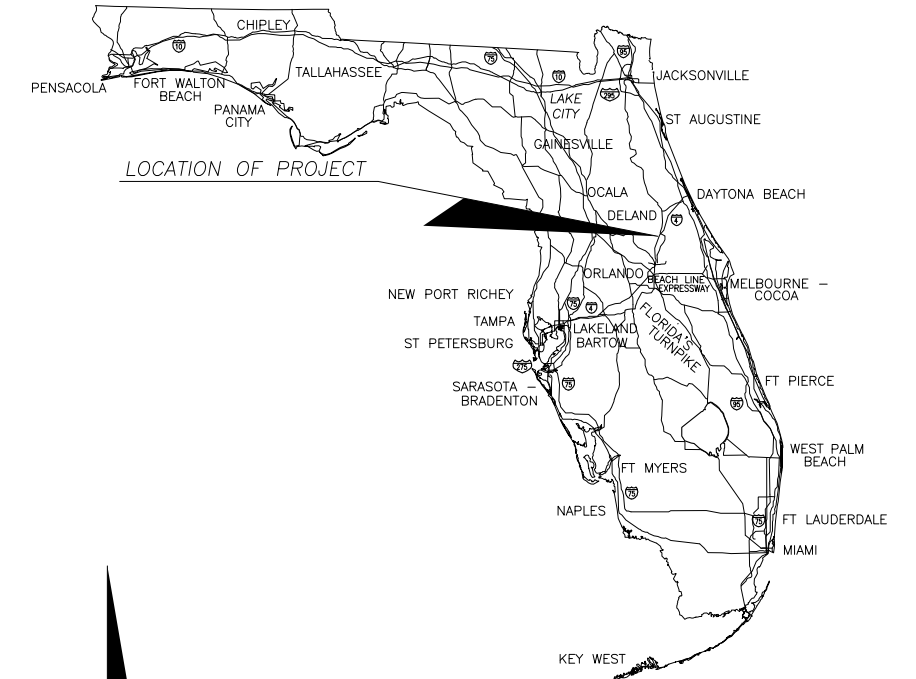
COMPONENTS OF CONTRACT PLANS
LANDSCAPE PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

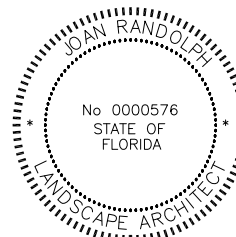
FPID 437114-8-52-01
STATE ROAD NO. 46 (WEKIVA PARKWAY 7B)
SEMINOLE COUNTY (77030)

LANDSCAPE PLANS



INDEX OF LANDSCAPE PLANS
SHEET NO. SHEET DESCRIPTION

LD-1	KEY SHEET
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LD-4	LANDSCAPE DETAILS
LD-5	LANDSCAPE NOTES
LD-6	PROJECT LAYOUT
LD-7 TO LD-20	LANDSCAPE PLAN
LD-21	MAINTENANCE PLAN



THIS DOCUMENT HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

JCR CONSULTING
P. O. BOX 941994
MAITLAND, FLORIDA 32794-1994
CERTIFICATE OF AUTHORIZATION:
JOAN RANDOLPH, LP.L.A. NO 0000576

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GOVERNING STANDARD PLANS:

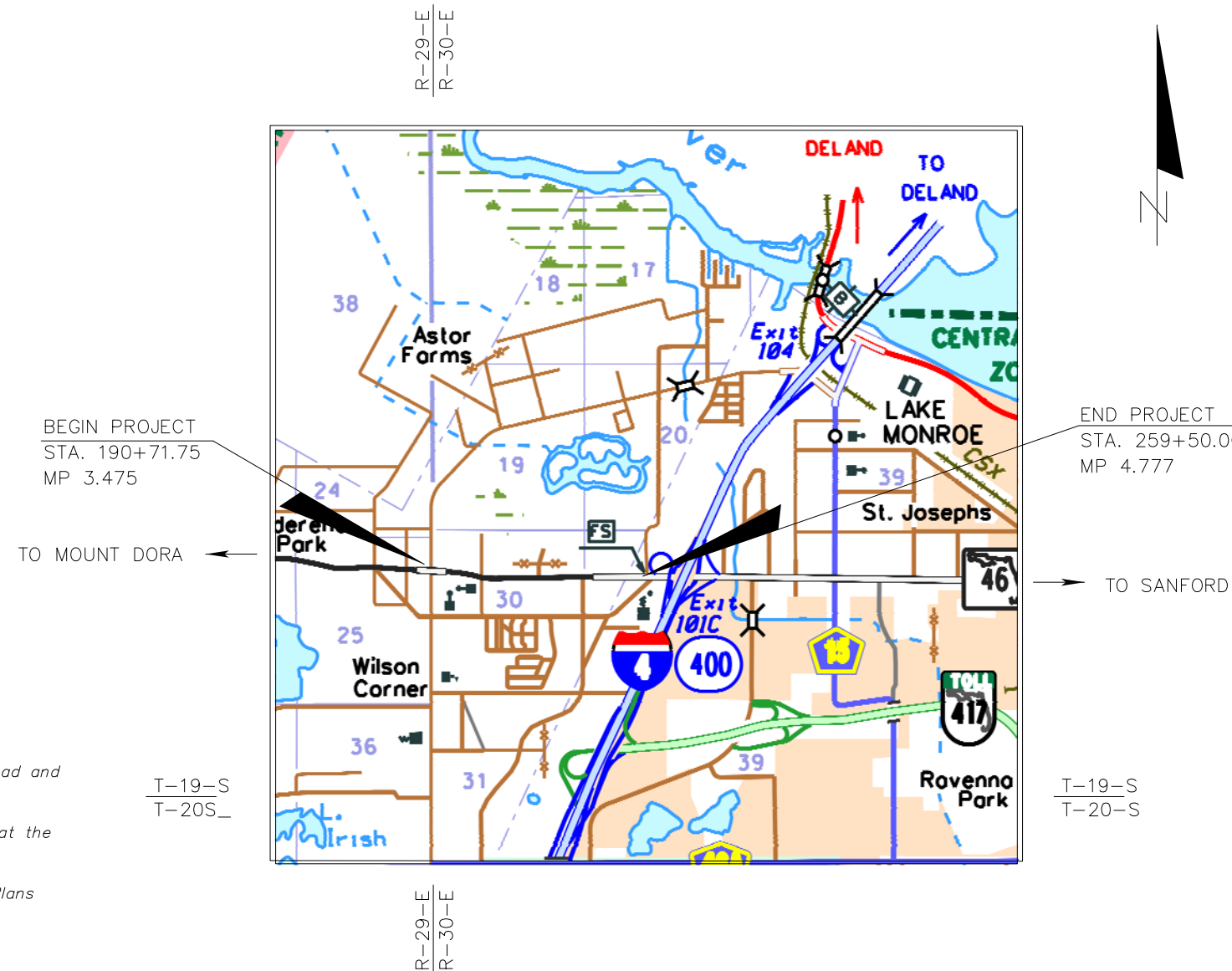
Florida Department of Transportation, FY2017-18 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July_2018 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



PHASE III SUBMITTAL
MAY, 2018

LANDSCAPE SHOP DRAWINGS TO BE
SUBMITTED TO:

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MAITLAND, FLORIDA 32794-1994

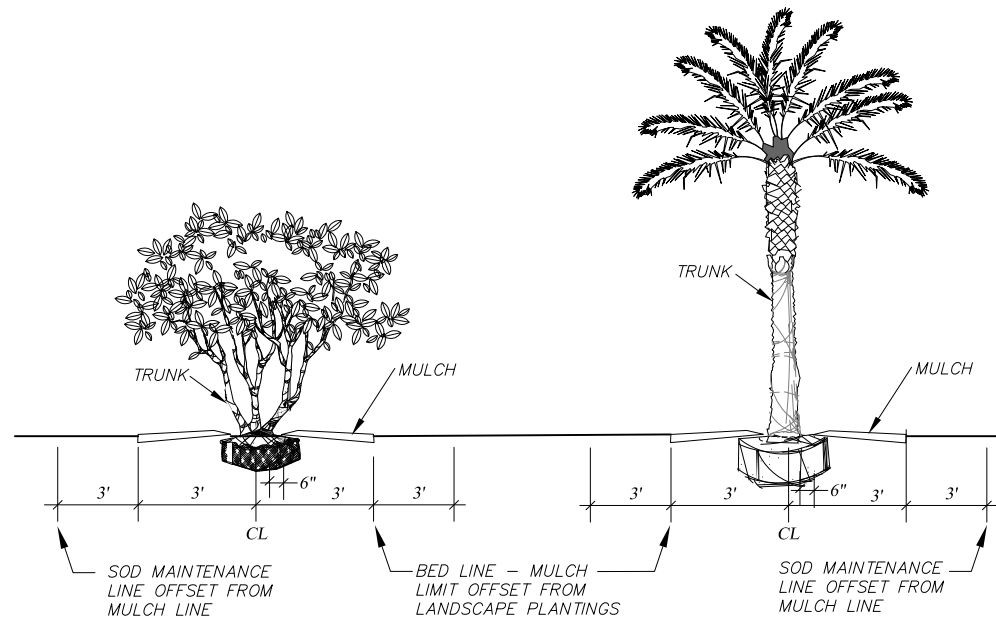
LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD:

JOAN RANDOLPH, P.L.A.
LA #0000576
JCR CONSULTING
PO BOX 941994
MAITLAND, FLORIDA 32794-1994
CONTRACT NO. C-9789
VENDOR NO. 59-3404331

FDOT PROJECT MANAGER:
HATEM AGUID, P.E.

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

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	21	LD-1

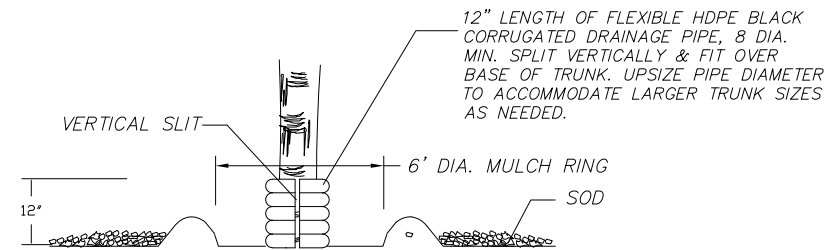


NOTES:

1. CLUSTERS OF TREES AND PALMS LOCATED LESS THAN 15' APART SHALL BE LOCATED WITHIN A CONTINUOUS MULCH BED. BED LINE SHALL BE 3' FROM TREES/PALMS WITH 3' OFFSET FROM MULCH LINE FOR NEW SOD INSTALLATION AND MAINTENANCE. EXPANDED MULCH FOR THESE BEDS SHALL BE INCLUDED AS PART OF THE PLANT PAY ITEMS.
2. FREE STANDING TREES AND PALMS SHALL HAVE A SIX (6') FOOT MULCH RING CENTERED AROUND TRUNK.
3. BED LINES SHALL PROVIDE EITHER STRAIGHT OR SMOOTH LARGE CURVILINEAR RADIUS TO ALLOW FOR LARGE MOWING EQUIPMENT MANEUVERABILITY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MOWING NEWLY PLACED SOD DURING THE TURF ESTABLISHMENT PERIOD.
5. INSTALL COMMERCIAL WEED CONTROL FABRIC IN ALL LARGE MULCH BEDS PRIOR TO INSTALLATION OF MULCH.

MULCH BED LINE AND MAINTENANCE OPERATIONS LIMITS DETAIL

Scale: N.T.S.



FREE STANDING TREE GUARD DETAIL

Scale: N.T.S.

NOTE: PROVIDE TREE GUARD FOR INDIVIDUAL FREE STANDING TREES NOT LOCATED IN GROUPED MULCH BEDS. NOT APPLICABLE FOR SABAL PALMS.

GENERAL NOTES:

1. DESIGN & POSTED SPEEDS FOR SR 46 IS 45 MPH

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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JOAN RANDOLPH, R.L.A.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE DETAILS

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-4

NATURE OF CONSTRUCTION ACTIVITIES:

1. WORK INCLUDES: MOB, MOT, SOIL TRACKING PREVENTION DEVICE, SEDIMENT BARRIERS, LITTER REMOVAL AND MOWING, CLEARING AND GRUBBING (INCLUDES INVASIVE-EXOTIC VEGETATION REMOVAL), WEED CONTROL FABRIC / EROSION CONTROL REINFORCEMENT NETTING, LANDSCAPE INSTALLATION AND PERFORMANCE TURF.

AREA OF SOIL DISTURBANCE:

1. INCLUDES REMOVAL OF INVASIVE EXOTICS, CLEARING AND GRUBBING WITHIN EXISTING TREE CANOPY AREAS AND INSTALLATION ASSOCIATED WITH NEW LANDSCAPE PLANTINGS.
2. ALL DISTURBED SOIL SHALL BE RETAINED ON SITE.

GENERAL LANDSCAPE NOTES:

1. UTILITY INFORMATION SHOWN MAY NOT ACCURATELY DEPICT EXACT LOCATIONS. ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO ANY INSTALLATION OR EXCAVATION TO DETERMINE LOCATIONS. IF LANDSCAPE MATERIALS ARE IN CONFLICT WITH ANY UTILITY, NOTIFY THE ENGINEER IMMEDIATELY FOR ADJUSTMENT TO THE LANDSCAPE PLACEMENT(S).
2. PLANTS SHALL BE GRADE FLORIDA NO. 1 OR BETTER, EXCEPT AS NOTED ON THE TABULATION OF QUANTITIES REMARKS, AS DESCRIBED IN THE MOST CURRENT ISSUE OF "FLORIDA GRADES AND STANDARDS FOR NURSERY PLANT MATERIAL", PREPARED BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
3. PLANTS SHALL BE LOCATED ACCORDING TO THE ON-CENTER SPACINGS AND SET-BACKS SHOWN ON THE LANDSCAPE PLANS. LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, COMPLY WITH VEHICLE CLEAR SITE ZONES, UTILITY OFFSETS, STRUCTURES, SIGNAGE, ETC. IN KEEPING WITH THE GENERAL LANDSCAPE INTENT.
4. FLAG ALL PLANT LOCATIONS AND BED LINES FOR THE ENGINEER'S APPROVAL PRIOR TO STARTING SITE PREPARATION FOR PLANTING.
5. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHILE EXCAVATING AND INSTALLING NEAR ALL OVERHEAD AND UNDERGROUND UTILITIES.
6. FOLLOWING APPROVAL OF PLANTING BED AND INDIVIDUAL TREE AND PALM LOCATIONS WHERE MULCH AREAS ARE PROPOSED SCALP WITH A MOWER AND TREAT TWO TIMES WITH A GLYPHOSATE BASED PRE-EMERGENT HERBICIDE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS FOR RATES AND METHODS OF APPLICATION. FINAL APPLICATION SHALL BE AT LEAST 5 DAYS PRIOR PLANTING INSTALLATION. REMOVE ALL DEAD PLANT MATERIAL PRIOR ANY INSTALLATION.
7. NO EXISTING VEGETATION, WITH THE EXCEPTION OF SOD DISTURBED DURING INSTALLATION WORK DONE AS PART OF THIS PROJECT, IS INTENDED TO BE REMOVED OR DISTURBED. ALL PLANTS, INCLUDING SOD, THAT HAS BEEN DAMAGED DURING THE INSTALLATION PROCESS SHALL BE REPLACED WITH LIKE SPECIES AND CALIPER INCHES OR REPAIRED, REPAIR MAY INCLUDE TRIMMING OF BRANCHES, TO THE SATISFACTION OF THE ENGINEER. REPLACEMENT AND REPAIR SHALL BE AT NO ADDITIONAL COST TO THE DEPARTMENT.
8. APPLY A PRE-EMERGENT GRANULAR HERBICIDE TO ALL DESIGNATED MULCH AREAS PRIOR TO INSTALLATION OF WEED CONTROL FABRIC, EROSION CONTROL MATTING AND MULCHING. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR RATES AND METHODS OF APPLICATION.
9. LARGE MULCH BED AND SHRUB BEDS AREAS: INSTALL COMMERCIAL GRADE WEED CONTROL FABRIC UNDER MULCH ON SLOPES OF 3:1 OR LESS. INSTALL EROSION CONTROL REINFORCEMENT MATTING FOR SLOPES GREATER THAN 3:1. WEED CONTROL FABRIC AND EROSION CONTROL MATTING SHALL BE PLACED PRIOR MULCH INSTALLATION.
10. EROSION CONTROL REINFORCEMENT MATTING SHALL MET THE FOLLOWING:
 - A. COCONUT FIBER MATRIX THAT HAS FUNCTIONAL LONGEVITY OF APPROXIMATELY 36 MONTHS.
 - B. FIBER TO BE EVENLY DISTRIBUTED OVER ENTIRE AREA OF THE MAT.
 - C. THE BLANKET SHALL BE COVERED ON THE TOP AND BOTTOM WITH HEAVYWEIGHT POLYPROPYLENE NETTING HAVING ULTRAVIOLET ADDITIVES TO DELAY BREAKDOWN WITH APPROX. 0.625 X 0.625 INCHES MESH SIZE.
 - D. BLANKET SHALL BE SEWN TOGETHER ON 1.5 INCH CENTERS WITH UV STABLE POLYPROPYLENE THREAD.
 - E. THICKNESS SHALL BE 0.35 INCHES.
11. INSTALLATION OF WEED CONTROL FABRIC AND EROSION CONTROL REINFORCEMENT MATTING SHALL BE PER MANUFACTURES RECOMMENDATIONS, INCLUDING DIRECTION OF ROLL AND PEGGING IN PLACE, AS APPLICABLE.
12. MULCH SHALL BE FREE OF WEEDS OR ANY NOXIOUS ELEMENTS DETRIMENTAL TO PLANT HEALTH OR CREATE MAINTENANCE CONCERNS. PINE BARK MULCH PLACED FOR AREAS LESS THAN 3:1 SLOPES. PINE STRAW MULCH PLACED ON SLOPED AREAS 3:1 OR GREATER.
13. APPLY MYCORRHIZAL INOCULATE FOR ALL PLANTING MATERIALS. APPLY PER MANUFACTURER'S RECOMMENDATIONS.
14. WATERING SCHEDULE, INCLUDING WATERING METHOD, SHALL BE PROVIDED BY THE CONTRACTOR AT NOTICE TO PROCEED WITH PROJECT TO THE ENGINEER FOR REVIEW AND COMMENT. SCHEDULE TO INDICATE RATE AND FREQUENCY OVER THE ESTABLISHMENT PERIOD. WATERING OPERATIONS SHALL ADDRESS TIMES OF HEAVY RAINFALL AND DROUGHT PERIODS.
15. WATERING FORCE SHALL NOT BE APPLIED IN A MANNER WHICH WOULD DAMAGE PLANTS, REMOVE SOIL SAUCER RING OR MULCH AROUND EACH PLANT OR CAUSE EROSION. DAMAGE TO PLANTS, SURROUNDING AREA OR OTHER IMPROVEMENTS DUE TO LANDSCAPE RELATED OPERATIONS, WATERING AND MAINTENANCE IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE AT THEIR EXPENSE TO PRIOR CONDITION.
16. THE CONTRACTOR, AT THEIR OPTION, MAY INSTALL A TEMPORARY IRRIGATION SYSTEM FOR ENTIRE OR PORTIONS OF THIS PROJECT TO ENSURE FLORIDA GRADE STANDARDS ARE MAINTAINED DURING THE ESTABLISHMENT PERIOD. COST OF THE TEMPORARY IRRIGATION, IF ELECTED, SHALL BE PART OF THE PLANT COST. SHOULD A TEMPORARY IRRIGATION SYSTEM NOT PROVIDE ADEQUATE WATER FOR INSTALLATION AND DURING THE ESTABLISHMENT PERIOD, OTHER METHODS OF WATERING, SUBJECT TO ENGINEERS APPROVAL, MAY BE USED TO SUPPLEMENT THE TEMPORARY IRRIGATION SYSTEM.
17. A TREE GUARD INSTALLATION SHALL BE LOCATED ONLY AT THE BASE OF FREE STANDING TREE LOCATIONS. REFER TO "TREE GUARD DETAIL".
18. PROPER NOURISHMENT DURING THE MAINTENANCE PERIOD SHALL ALSO BE DEFINED AS MAINTAINED SUFFICIENT WATERING AND FERTILITY LEVELS SUCH THAT THE PLANT MATERIAL SHOWS NO SIGNS OF LEAF DEFORMATION NORMALLY ASSOCIATED WITH LACK OF PROPER NUTRITION (CHLOROSIS, NECROSIS, LEAF SPOT, FRIZZLE TOP, ETC.) AND MAINTAINED HEALTHY GROWTH.
19. NO PERMITTED OUTDOOR BILLBOARD SIGNS ARE LOCATED WITHIN THIS PROJECT.

MAINTENANCE OF TRAFFIC NOTES:

1. PRIOR TO BEGINNING WORK THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY ENGINEER. LANE CLOSURES AND CONSTRUCTION ACTIVITIES MUST COMPLY WITH PROVISIONS AS OUTLINED IN FDOT LANE CLOSURE POLICY AND PROCEDURE. COORDINATE ALL LANE CLOSURES REQUESTS WITH THE ENGINEER. REQUESTS ARE TO BE SUBMITTED TWO (2) WEEKS IN ADVANCE OF ANY LANE CLOSURES.
2. MAINTAIN THE EXISTING POSTED SPEED LIMITS DURING ALL PHASES OF CONSTRUCTION.
3. ALL HAULING OPERATIONS THAT UTILIZE THE FDOT ROADWAY SHALL BE PROHIBITED FROM 5:00AM TO 10:00AM AND FROM 3:00PM TO 8:00PM DURING ALL WEEKDAYS TO MINIMIZE IMPACT TO TRAFFIC FLOW. HOURS MAY VARY ONLY WITH APPROVAL BY THE ENGINEER.
4. ACCELERATION AND DECELERATION OF ALL CONSTRUCTION VEHICLES WITHIN A TRAVEL LANE IS PROHIBITED. CONTRACTOR SHALL MAKE PROVISIONS FOR CONSTRUCTION VEHICLE ACCESS TO THE WORK AREAS INCLUDING MATERIAL DELIVERY.
5. DURING CONSTRUCTION AND ESTABLISHMENT OF THE LANDSCAPE PROJECT, ALL ACTIVITIES THAT IMPACT THE TRAVELING PUBLIC ARE PROHIBITED DURING PEAK TRAFFIC PERIODS. PEAK TRAFFIC PERIODS AND TRAFFIC DIRECTION MAY VARY ON DIFFERENT DATES AND MUST BE CONFIRMED WITH THE ENGINEER.

STORM WATER POLLUTION PREVENTION NOTES:

1. NO EARTHWORK, OTHER THAN POLLUTION CONTROL, IS TO BE PART OF THIS CONTRACT.

CONTROLS:

1. SWPPP ACTIVITIES: THE CONTRACTOR'S PROFESSIONAL ENGINEER (PE) OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) WILL PREPARE AND SUBMIT A SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN TO ENGINEER FOR REVIEW AND APPROVAL. SEDIMENT CONTROL PLAN SHALL FOLLOW FDOT GOVERNING STANDARDS.
2. OTHER CONTROLS: FERTILIZERS AND PESTICIDES: THE APPLICATION OF FERTILIZERS AND PESTICIDES SHALL BE ACCOMPLISHED IN A MANNER DESCRIBED BY THE MANUFACTURER TO ENSURE PROPER APPLICATION AND TO AVOID OVER-APPLICATION.

UTILITIES:

1. UTILITY INFORMATION SHOWN IN THE DRAWINGS IS SCHEMATIC IN NATURE AND A GRAPHIC DEPICTION ONLY. NO UTILITY FACILITIES WILL BE RELOCATED. IF LANDSCAPE IS IN CONFLICT WITH A UTILITY, NOTIFY THE ENGINEER IMMEDIATELY FOR ADJUSTMENT TO THE LANDSCAPE PLACEMENT.
2. UTILITIES SHOWN ON THE PLANS ARE FOR REFERENCE ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL LOCATE ALL ABOVE GROUND AND SUBSURFACE UTILITY FACILITIES WITHIN THE PROJECT LIMITS AND, IF NECESSARY, PHYSICALLY EXPOSE UTILITY FACILITIES THAT MAY BE AFFECTED PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
3. THERE WILL BE NO SEPARATE COMPENSATION FOR PERFORMING THIS UTILITY LOCATE WORK. ALL COSTS SHALL BE INCLUDED IN THE UNIT COST FOR PLANT MATERIAL.
4. LIST OF POSSIBLE UTILITY/AGENCY OWNERS:

COMPANIES	TELEPHONE NUMBERS
CENTURY LINK	407-814-5383
CITY OF EUSTIS (WATER)	352-483-5480
CITY OF EUSTIS (WASTEWATER)	352-483-5480
COMCAST COMMUNICATIONS	352-315-8527
FLORIDA CABLE	352-759-2788
FLORIDA GAS TRANSMISSION	407-838-7171
DUKE ENERGY	407-942-9553

SUBMITTALS:

1. MAINTENANCE SCHEDULE DURING INSTALLATION AND ESTABLISHMENT PERIODS: MAINTENANCE SCHEDULE, INCLUDING WATERING SCHEDULE, SHALL BE PROVIDED AT PRE-CONSTRUCTION MEETING. REFER TO "LANDSCAPE TECHNICAL MAINTENANCE PLAN" FOR ELEMENTS TO BE ADDRESSED. ALL PLANTS SHALL RECEIVE PROPER NOURISHMENT TO MAINTAIN FLA NO. 1 GRADE DURING ESTABLISHMENT PERIOD. WATERING OPERATIONS SHALL ADDRESS TIMES OF HEAVY RAINFALL AND DROUGHT PERIODS.
2. PRODUCT CUT SHEETS, SAMPLES OR MATERIAL MAKE UP OF MATERIALS AND PRODUCTS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO DELIVERY TO SITE. THESE SHALL INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
 - A. SOIL MIX;
 - B. SOIL AMENDMENTS;
 - C. HERBICIDES;
 - D. FERTILIZER;
 - E. PRE-EMERGENT HERBICIDE;
 - F. WEED CONTROL FABRIC;
 - G. EROSION CONTROL REINFORCEMENT MATTING;
 - H. MULCH; AND
 - I. SATISFACTORY EVIDENCE THAT SOIL AMENDMENTS HAVE BEEN PURCHASED AND UTILIZED PRIOR TO PROCEEDING WITH PLANT INSTALLATION.

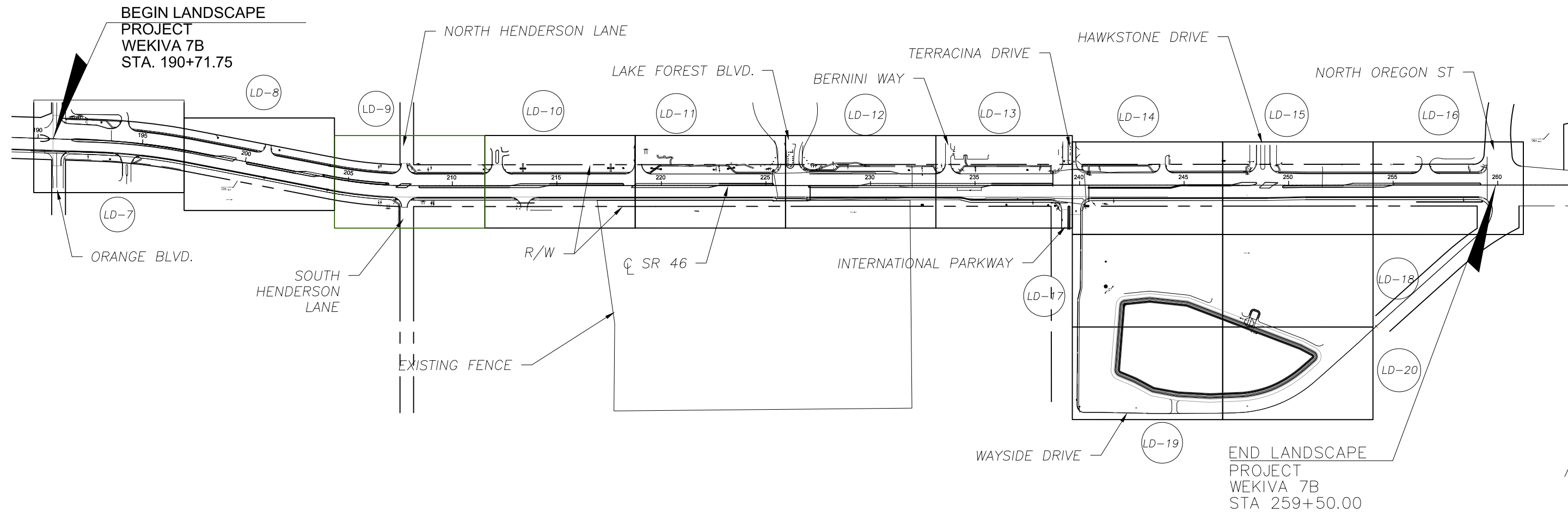


R E V I S I O N S				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			
						SR 46 - WEKIVA PARKWAY 7B	LD-5	

JCR CONSULTING
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 MAITLAND, FLORIDA 32794
 Ph (407) 644-5297 Fax (407) 644-3274
 JOAN RANDOLPH, R.L.A.
 FLORIDA REG. RLA #0000576

ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

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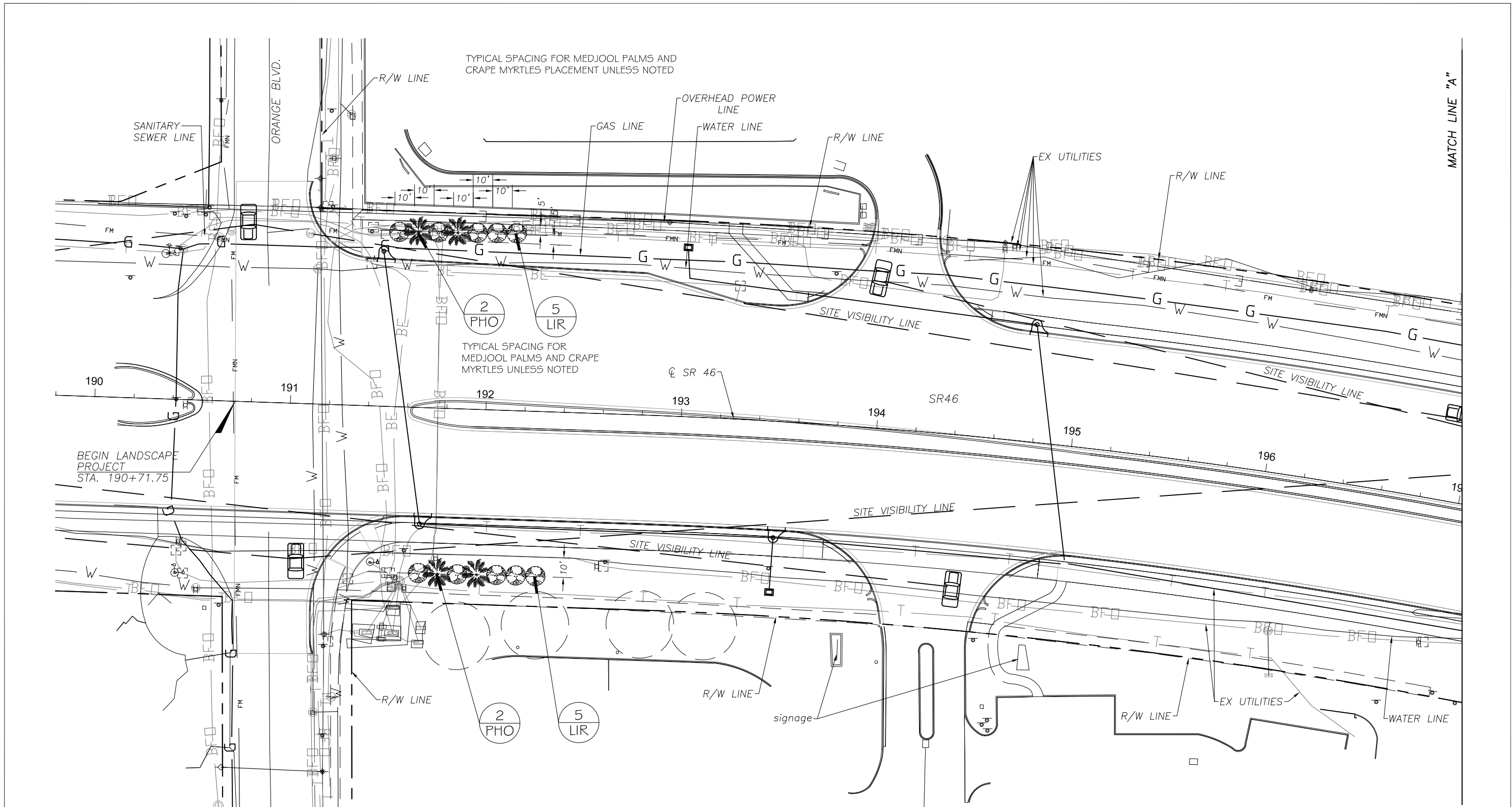
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LAYOUT PLAN

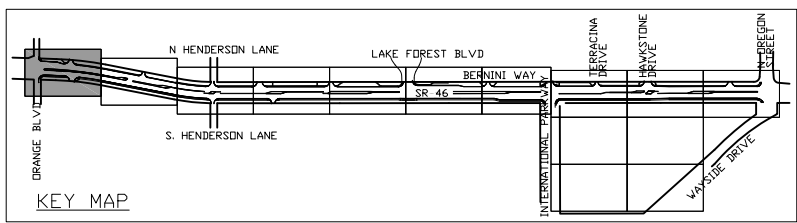
SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-6

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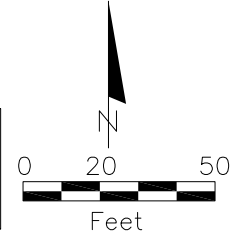
MATCH LINE "A"



- PLANT LEGEND:**
- ACE Autumn Breeze Maple
 - LIR Red Crape Myrtle
 - LIL Lavendar Crape Myrtle
 - LIO Moraine Sweet Gum
 - PHO Medjool Date Palm
 - QS Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum

48 HOURS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL CENTER 811

VERIFY ALL EXISTING UTILITY LOCATIONS PRIOR TO START OF WORK. ALL LANDSCAPE INSTALLATION SHALL BE HAND DUG.



REVISIONS					
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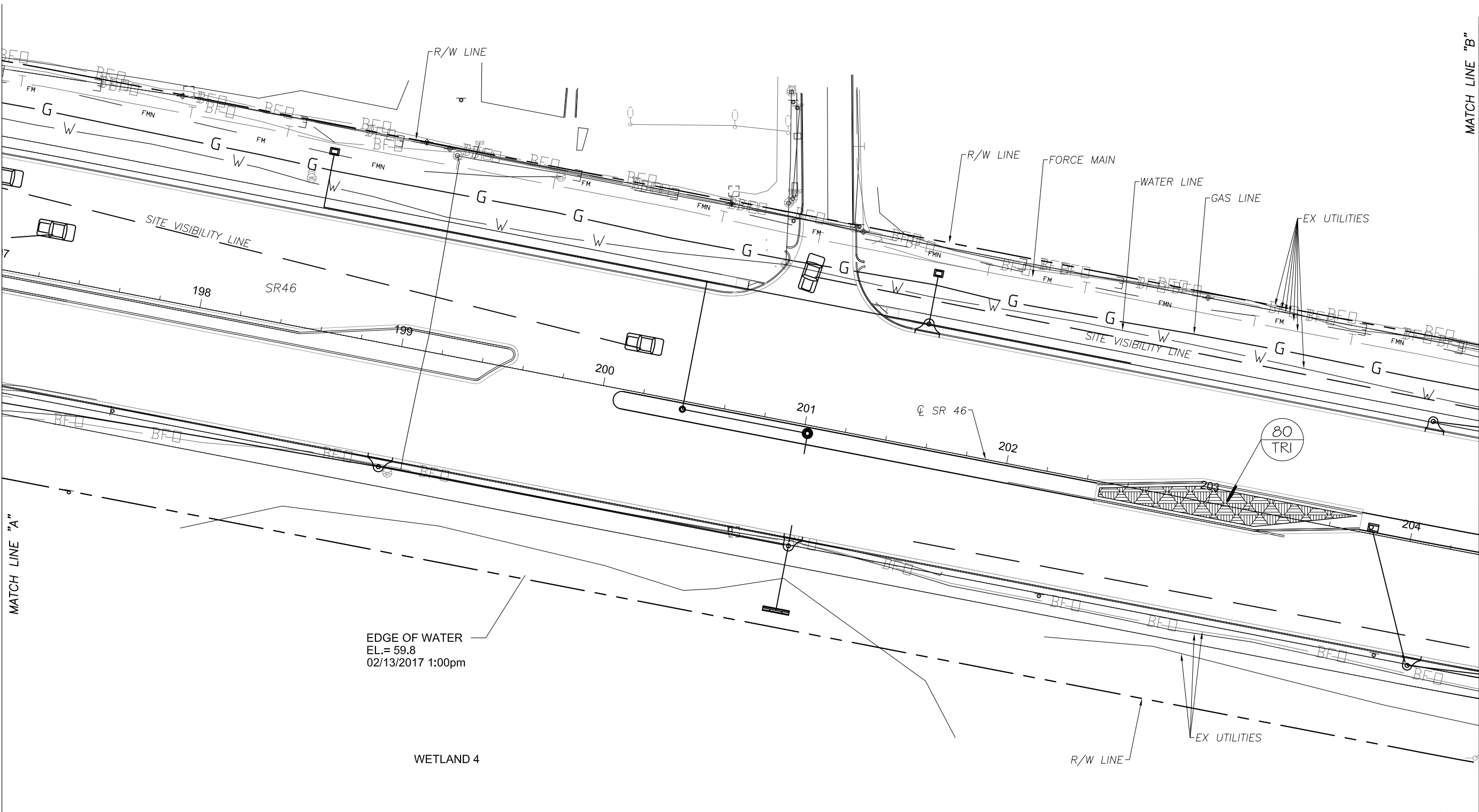
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (1)

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-7

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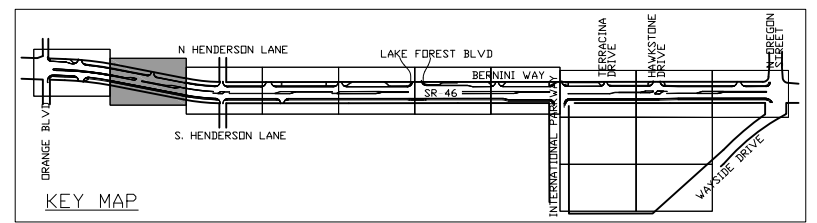


MATCH LINE "A"

MATCH LINE "B"

EDGE OF WATER
EL.= 59.8
02/13/2017 1:00pm

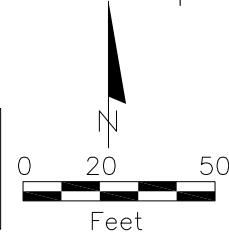
WETLAND 4



- PLANT LEGEND:**
- ACE Autumn Breeze Maple
 - LIR Red Crape Myrtle
 - LIL Lavendar Crape Myrtle
 - LIG Moraine Sweet Gum
 - PHO Medjool Date Palm
 - Q5 Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum

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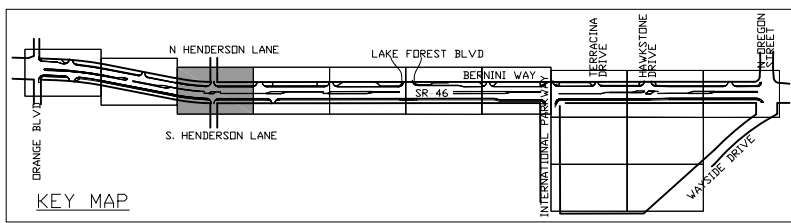
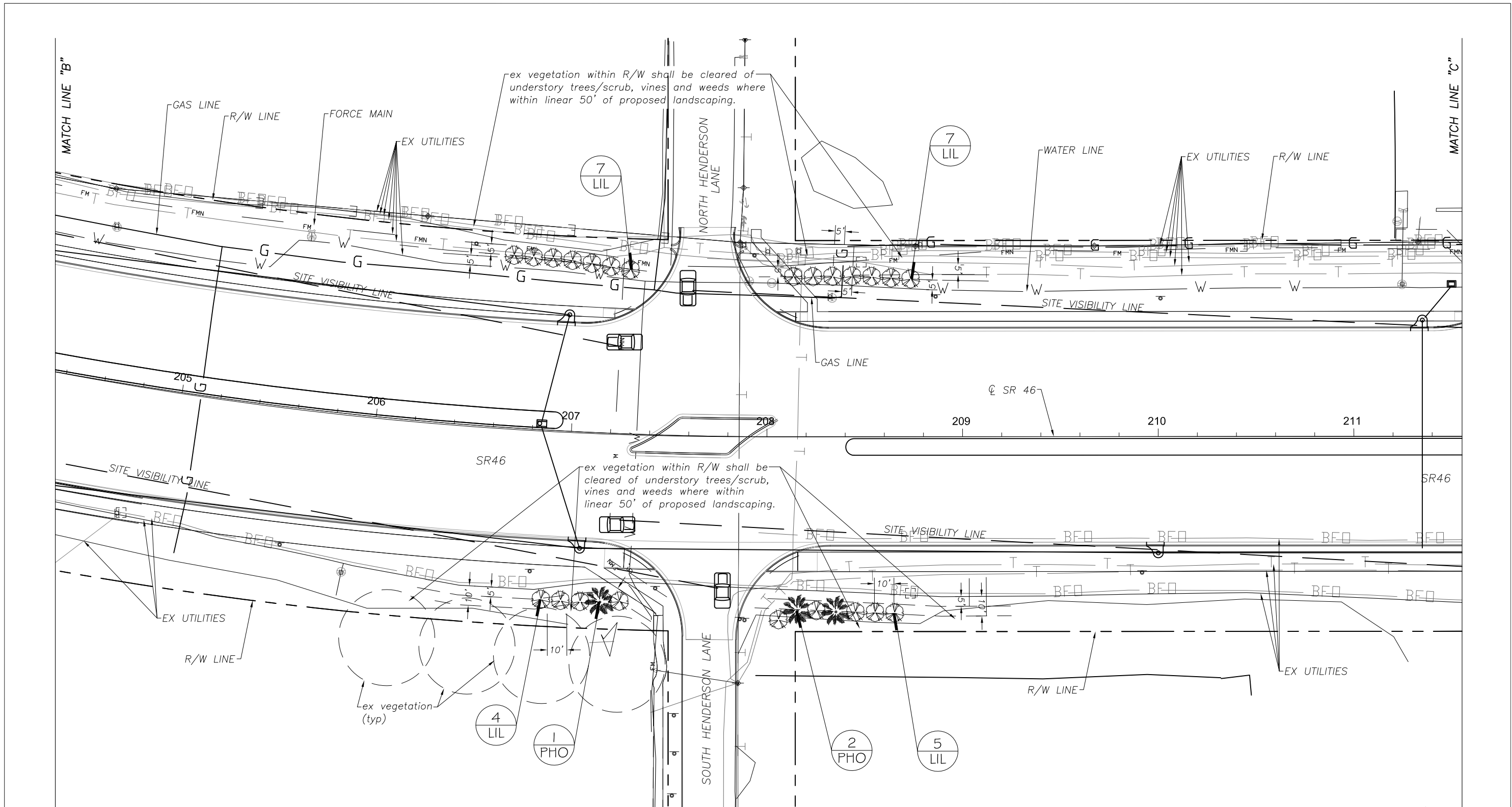
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










LANDSCAPE PLAN (2)


SR 46 - WEKIVA PARKWAY 7B

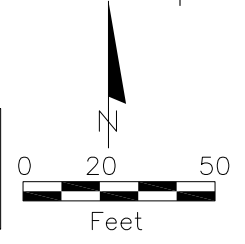
SHEET NO.
LD-8

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- PLANT LEGEND:**
-  ACE
Autumn Breeze Maple
 -  Q5
Shumard Red Oak
 -  ROS
Red Drift Rose
 -  LIR
Red Crape Myrtle
 -  QV
Live Oak
 -  SER
Silver Saw Palmetto
 -  LIL
Lavendar Crape Myrtle
 -  TDL
Autumn Gold Bald Cypress (18' high)
 -  TRI
Fakahatchee Grass
 -  LIO
Moraine Sweet Gum
 -  TDS
Autumn Gold Bald Cypress (12' high)
 -  VIB
Dwarf Walters Viburnum
 -  PHO
Medjool Date Palm


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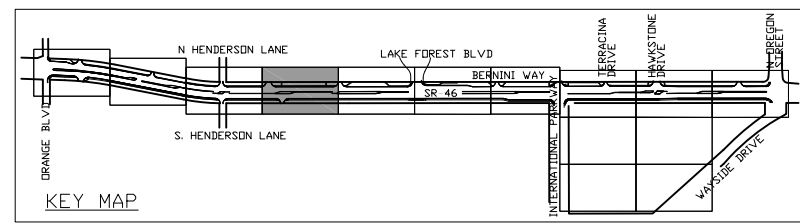
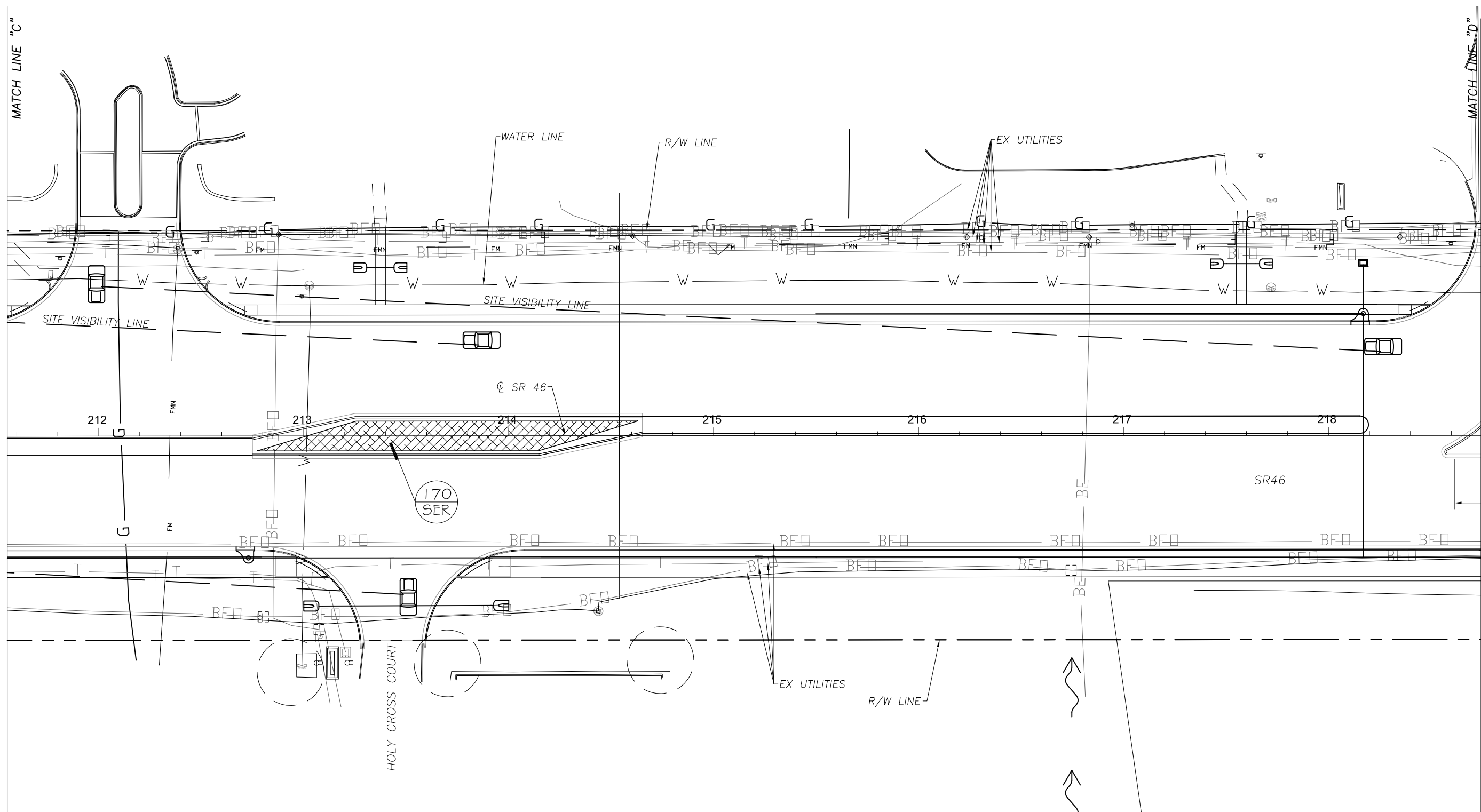
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (3)

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-9

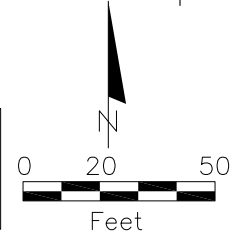
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.



- PLANT LEGEND:**
- ACE Autumn Breeze Maple
 - LIR Red Cape Myrtle
 - LIL Lavendar Cape Myrtle
 - LIG Moraine Sweet Gum
 - PHO Medjool Date Palm
 - QS Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum

48 HOURS BEFORE YOU DIG CALL SUNSHINE STATE ONE CALL CENTER 811

VERIFY ALL EXISTING UTILITY LOCATIONS PRIOR TO START OF WORK. ALL LANDSCAPE INSTALLATION SHALL BE HAND DUG.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JCR CONSULTING
P.O. BOX 941994
MAITLAND, FLORIDA 32794
Ph (407) 644-5297 Fax (407) 644-3274

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FLORIDA REG. RLA #0000576

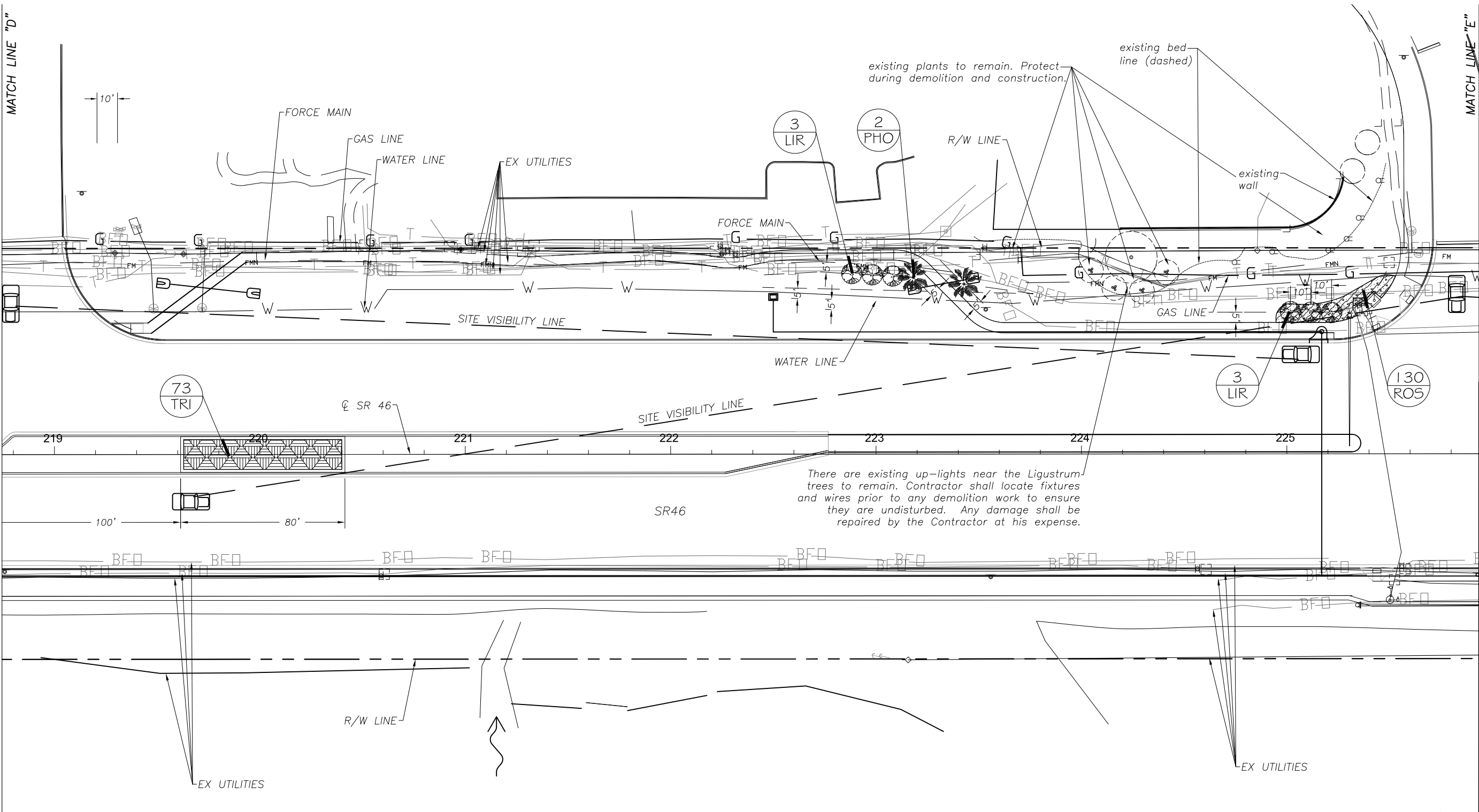
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (4)

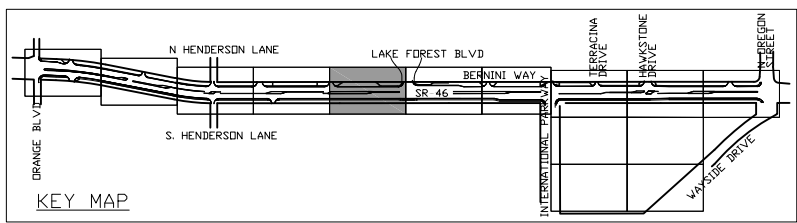
SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-10

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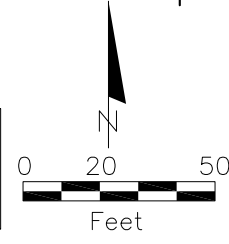
There are existing up-lights near the Ligustrum trees to remain. Contractor shall locate fixtures and wires prior to any demolition work to ensure they are undisturbed. Any damage shall be repaired by the Contractor at his expense.



- PLANT LEGEND:**
- ACE Autumn Breeze Maple
 - LIR Red Grape Myrtle
 - LIL Lavendar Grape Myrtle
 - LIG Moraine Sweet Gum
 - PHO Medjool Date Palm
 - QS Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum

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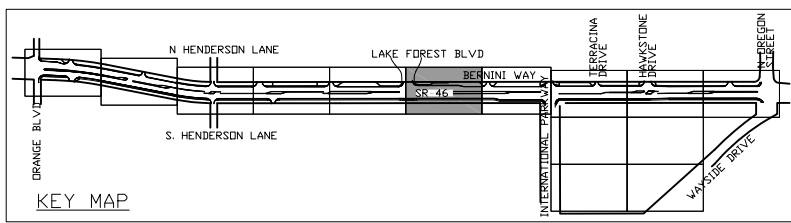
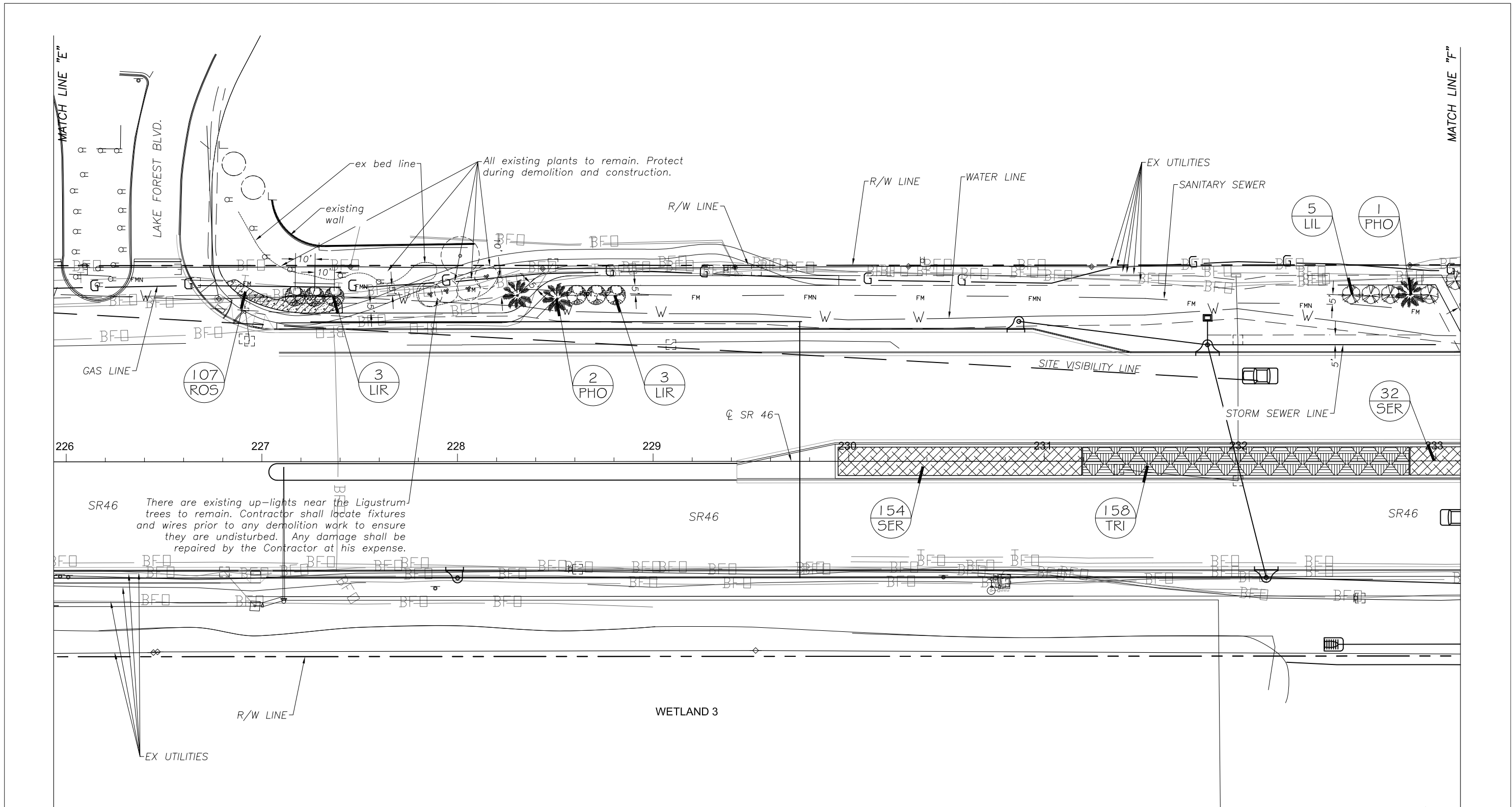
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01














LANDSCAPE PLAN (5)

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-11

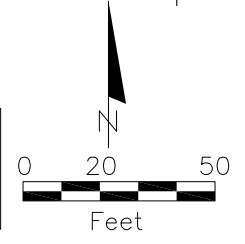
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- PLANT LEGEND:**
-  ACE
Autumn Breeze Maple
 -  Q5
Shumard Red Oak
 -  ROS
Red Drift Rose
 -  LIR
Red Grape Myrtle
 -  QV
Live Oak
 -  SER
Silver Saw Palmetto
 -  LIL
Lavendar Grape Myrtle
 -  TDL
Autumn Gold Bald Cypress (18' high)
 -  TRI
Fakahatchee Grass
 -  LIQ
Moraine Sweet Gum
 -  TDS
Autumn Gold Bald Cypress (12' high)
 -  VIB
Dwarf Walters Viburnum
 -  PHO
Medjool Date Palm

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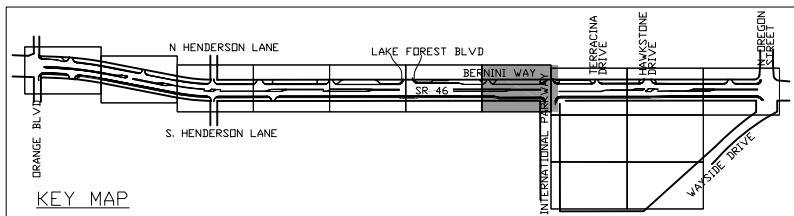
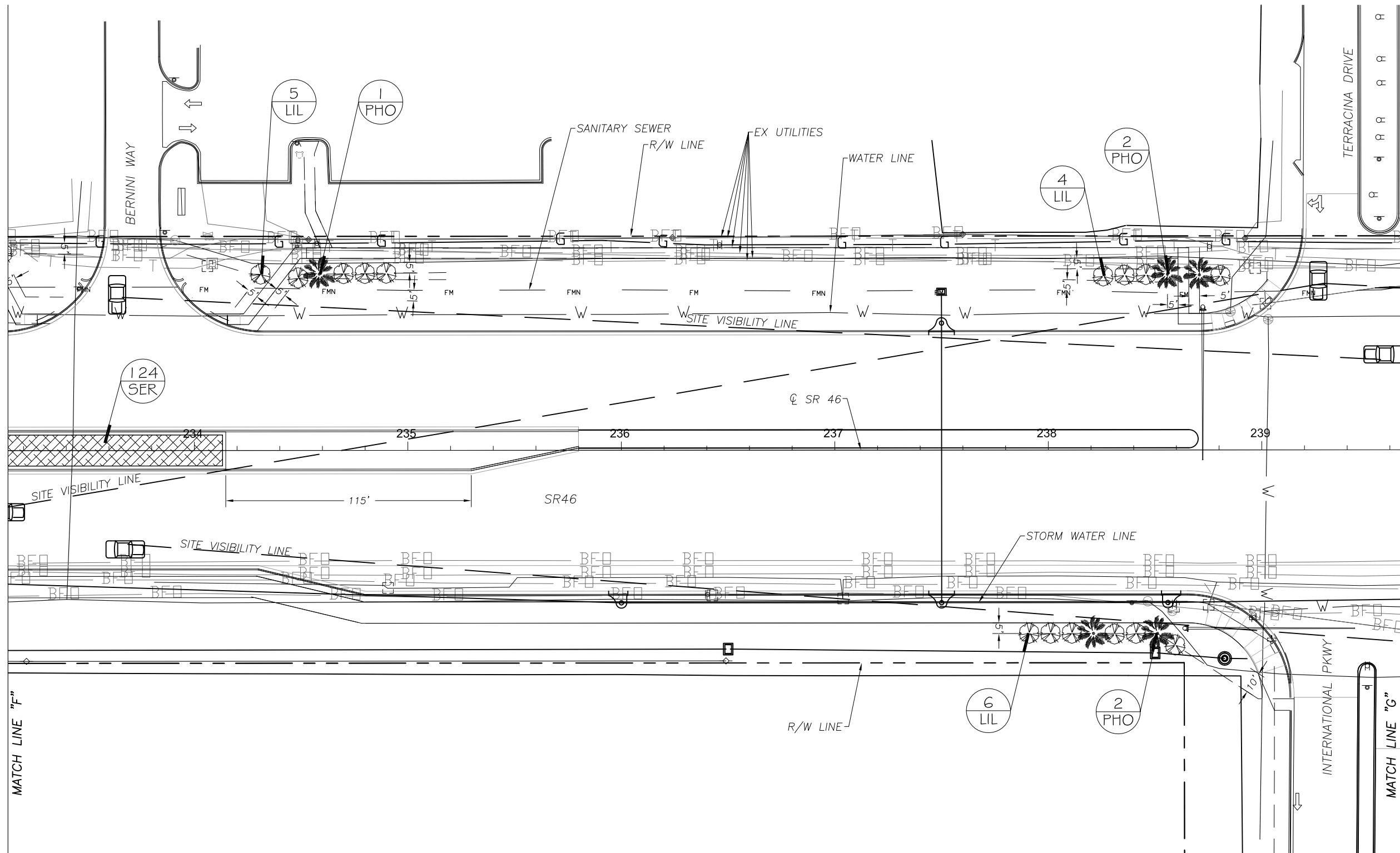
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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46	SEMINOLE	437114-8-52-01














LANDSCAPE PLAN (6)

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-12

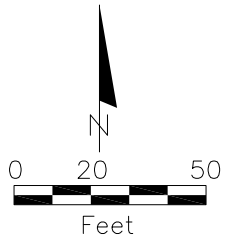
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- PLANT LEGEND:**
-  ACE
Autumn Breeze Maple
 -  Q5
Shumard Red Oak
 -  ROS
Red Dnft Rose
 -  LIR
Red Crape Myrtle
 -  QV
Live Oak
 -  SER
Silver Saw Palmetto
 -  LIL
Lavendar Crape Myrtle
 -  TDL
Autumn Gold Bald Cypress (18' high)
 -  TRI
Fakahatchee Grass
 -  LIQ
Moraine Sweet Gum
 -  TDS
Autumn Gold Bald Cypress (12' high)
 -  VIB
Dwarf Walters Viburnum
 -  PHO
Medjool Date Palm

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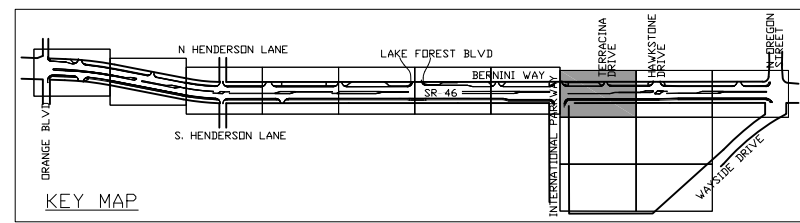
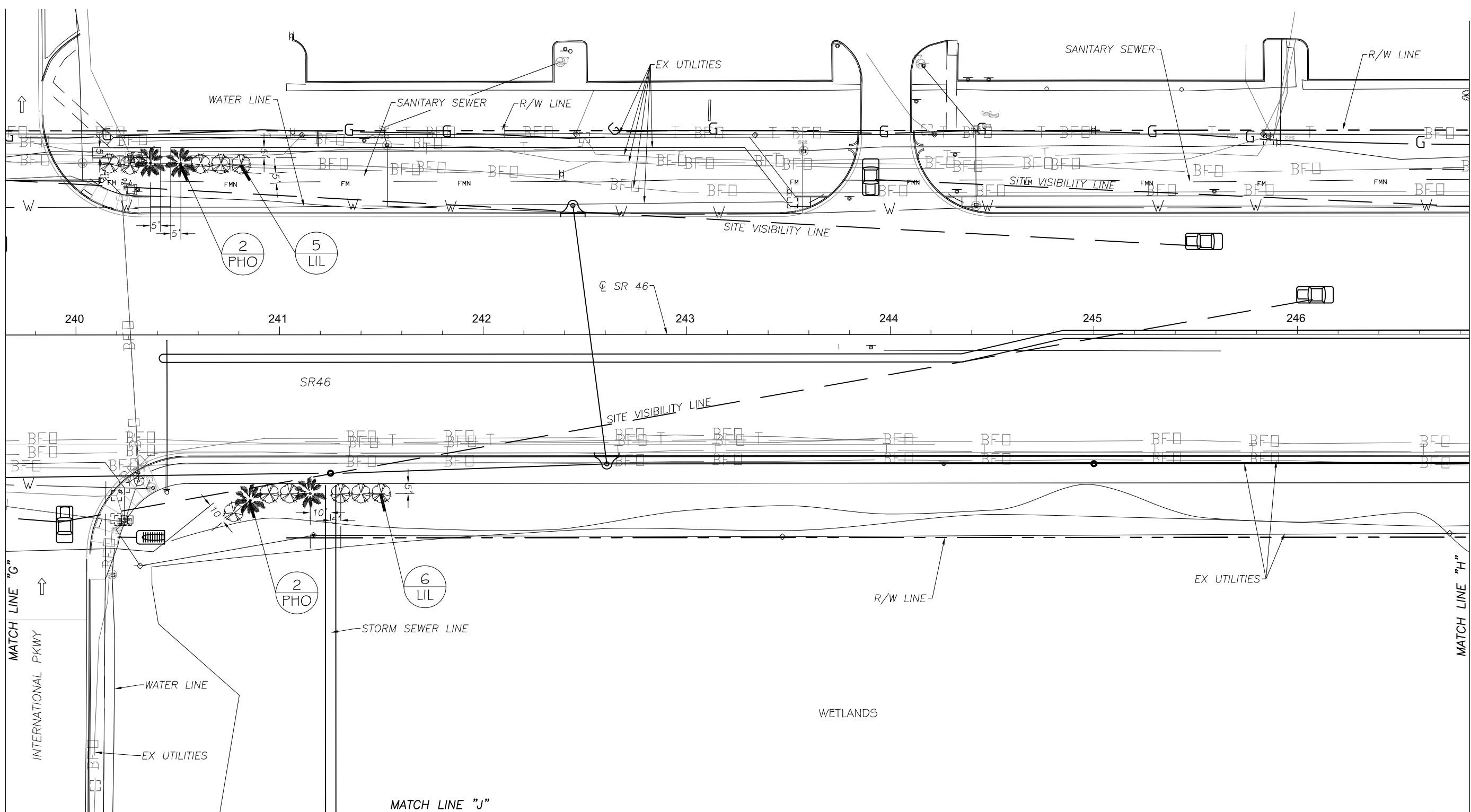
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (7)

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-13

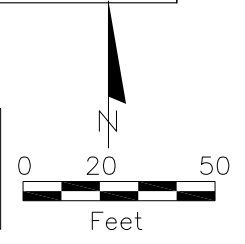
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- PLANT LEGEND:**
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 - LIR Red Cape Myrtle
 - LIL Lavendar Cape Myrtle
 - LIO Moraine Sweet Gum
 - PHO Medjool Date Palm
 - QS Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum

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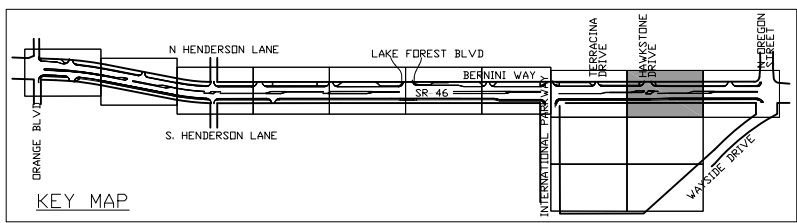
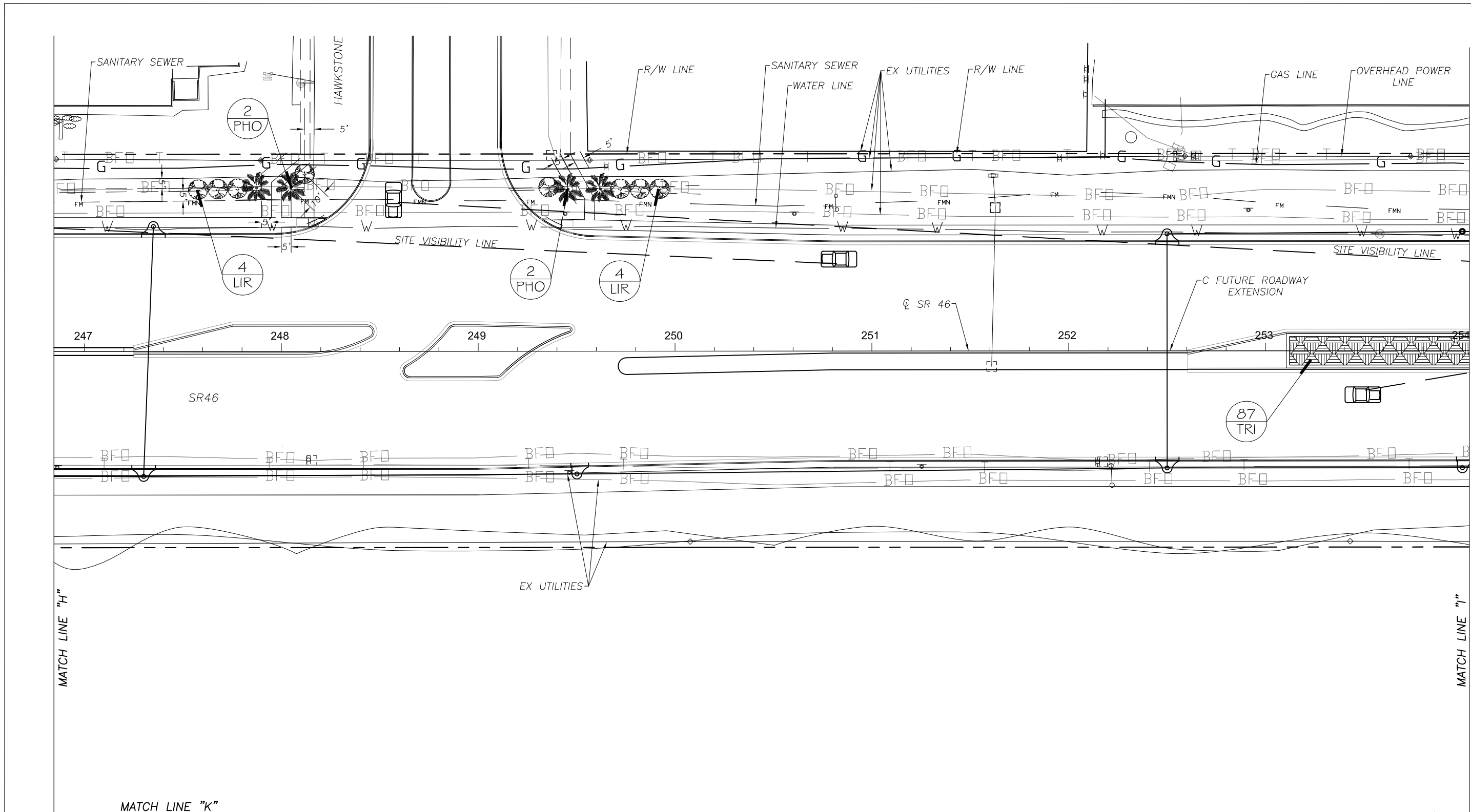
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01














LANDSCAPE PLAN (8)

SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-14

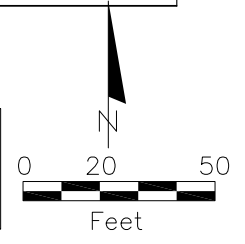
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- PLANT LEGEND:**
-  ACE
Autumn Breeze Maple
 -  Q5
Shumard Red Oak
 -  ROS
Red Drift Rose
 -  LIR
Red Crape Myrtle
 -  QV
Live Oak
 -  SER
Silver Saw Palmetto
 -  LIL
Lavendar Crape Myrtle
 -  TDL
Autumn Gold Bald Cypress (18' high)
 -  TRI
Fakahatchee Grass
 -  LIQ
Moraine Sweet Gum
 -  TDS
Autumn Gold Bald Cypress (12' high)
 -  VIB
Dwarf Walters Viburnum
 -  PHO
Medjool Date Palm

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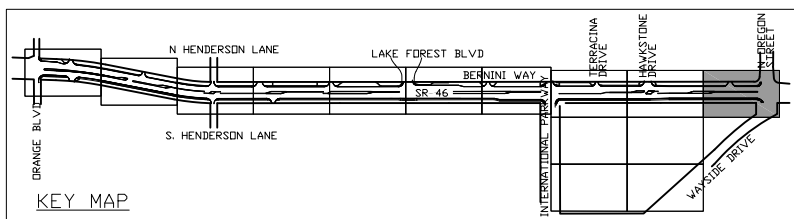
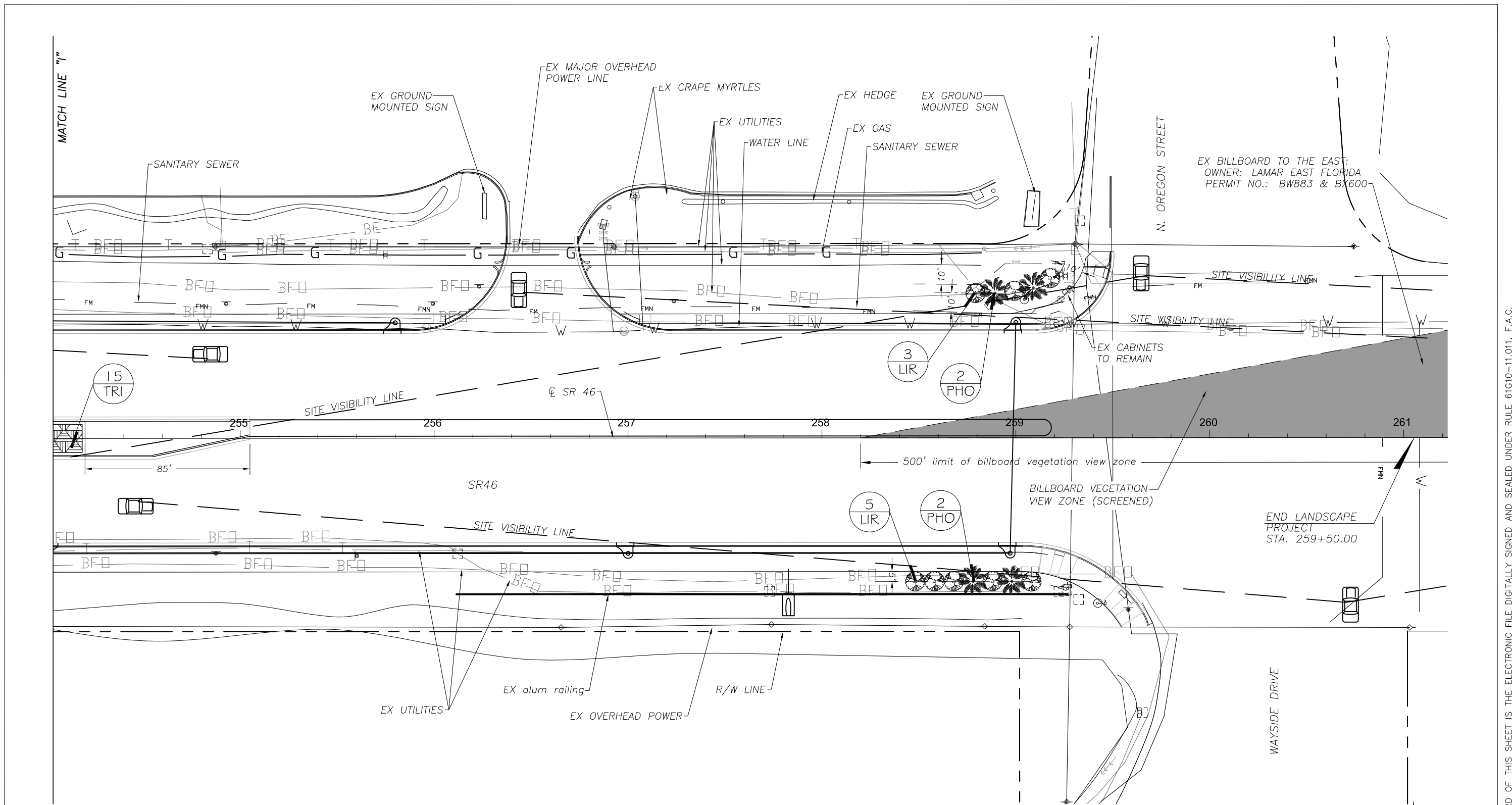
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (9)

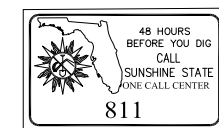
SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-15

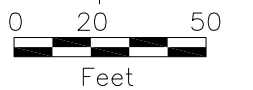
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- PLANT LEGEND:**
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 - LIR Red Crape Myrtle
 - LIL Lavendar Crape Myrtle
 - LIG Moraine Sweet Gum
 - PHO Medjool Date Palm
 - QS Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum



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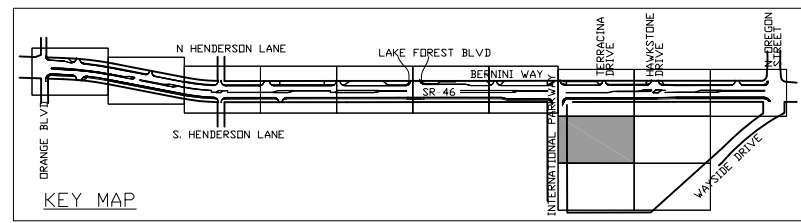
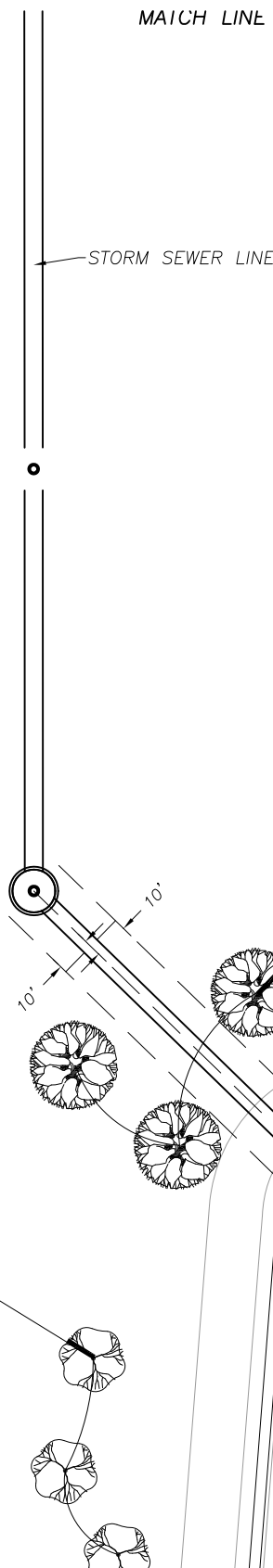
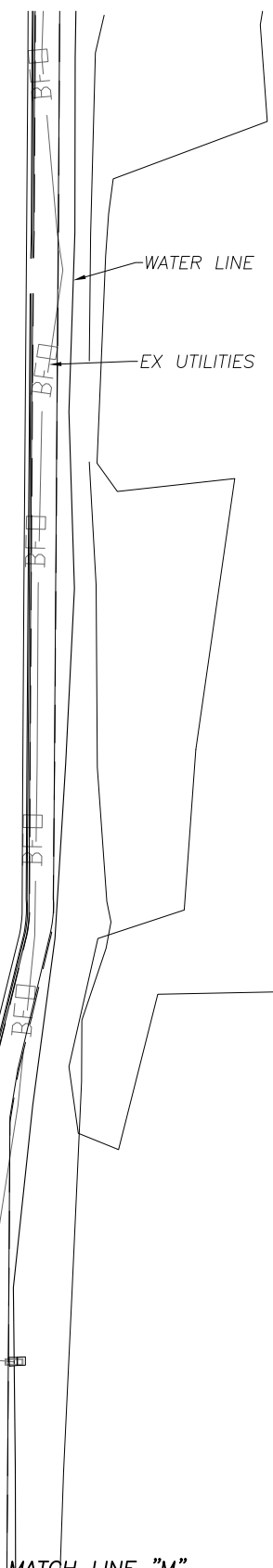
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FLORIDA REG. RLA #0000576

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (10)	SHEET NO.
SR 46 - WEKIVA PARKWAY 7B	LD-16

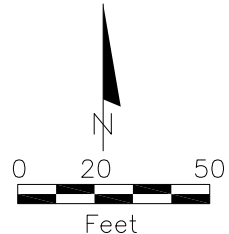
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INTERNATIONAL PKWY

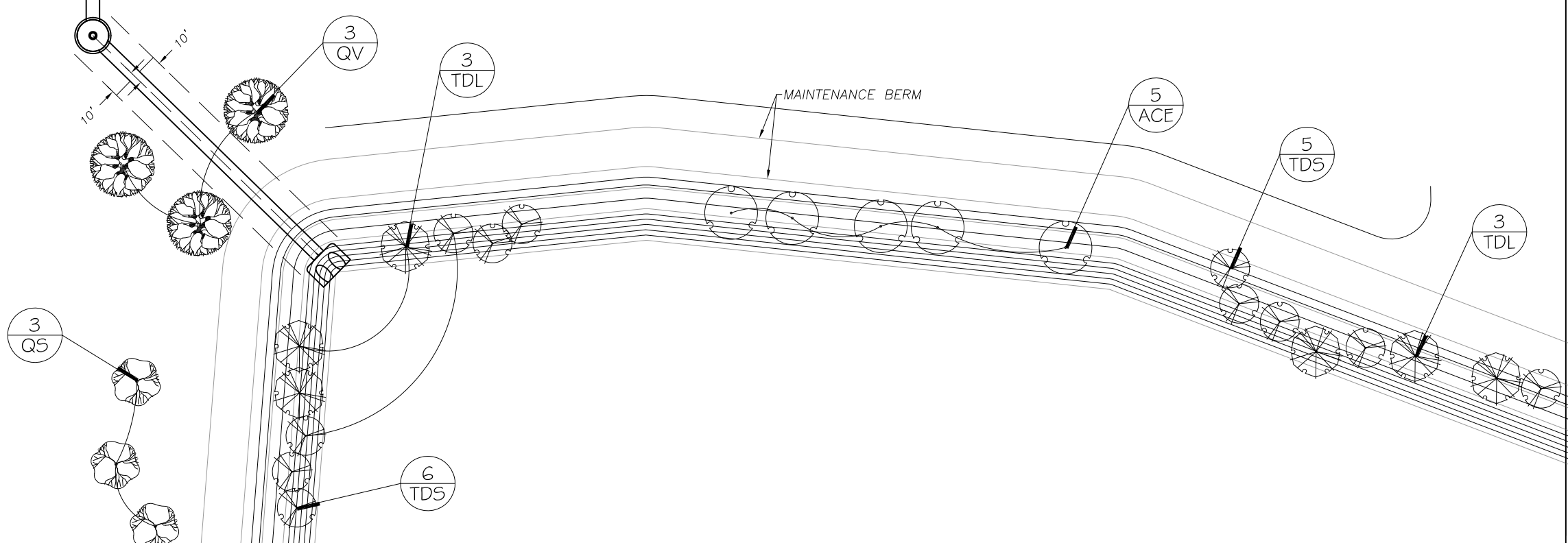


- PLANT LEGEND:**
- ACE Autumn Breeze Maple
 - LJR Red Grape Myrtle
 - LIL Lavendar Grape Myrtle
 - LIQ Moraine Sweet Gum
 - PHO Medjool Date Palm
 - Q5 Shumard Red Oak
 - QV Live Oak
 - TDL Autumn Gold Bald Cypress (18' high)
 - TDS Autumn Gold Bald Cypress (12' high)
 - ROS Red Drift Rose
 - SER Silver Saw Palmetto
 - TRI Fakahatchee Grass
 - VIB Dwarf Walters Viburnum

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WETLANDS



REVISIONS					
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (11)
 SR 46 - WEKIVA PARKWAY 7B

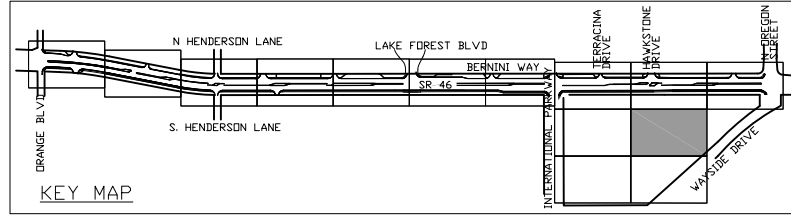
SHEET NO.
 LD-17














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MATCH LINE "L"

MATCH LINE "K"

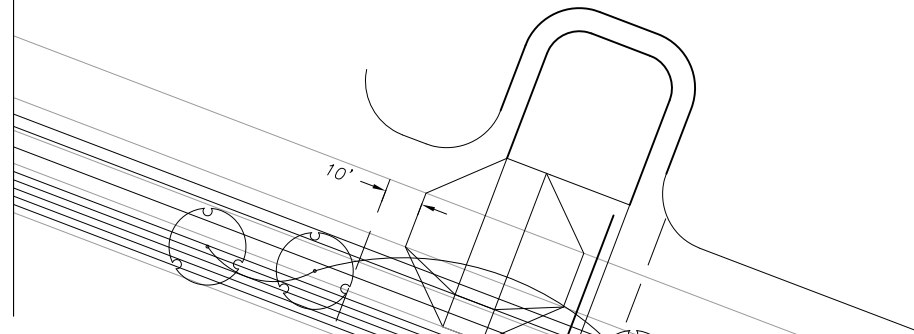
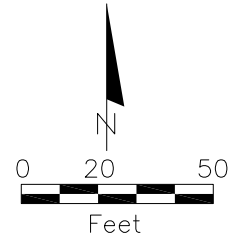
WETLAND 1



- PLANT LEGEND:**
-  ACE
Autumn Breeze Maple
 -  Q5
Shumard Red Oak
 -  ROS
Red Drift Rose
 -  LIR
Red Crape Myrtle
 -  QV
Live Oak
 -  SER
Silver Saw Palmetto
 -  LIL
Lavendar Crape Myrtle
 -  TDL
Autumn Gold Bald Cypress (18' high)
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Fakahatchee Grass
 -  LIQ
Moraine Sweet Gum
 -  TDS
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 -  VIB
Dwarf Walters Viburnum
 -  PHO
Medjool Date Palm



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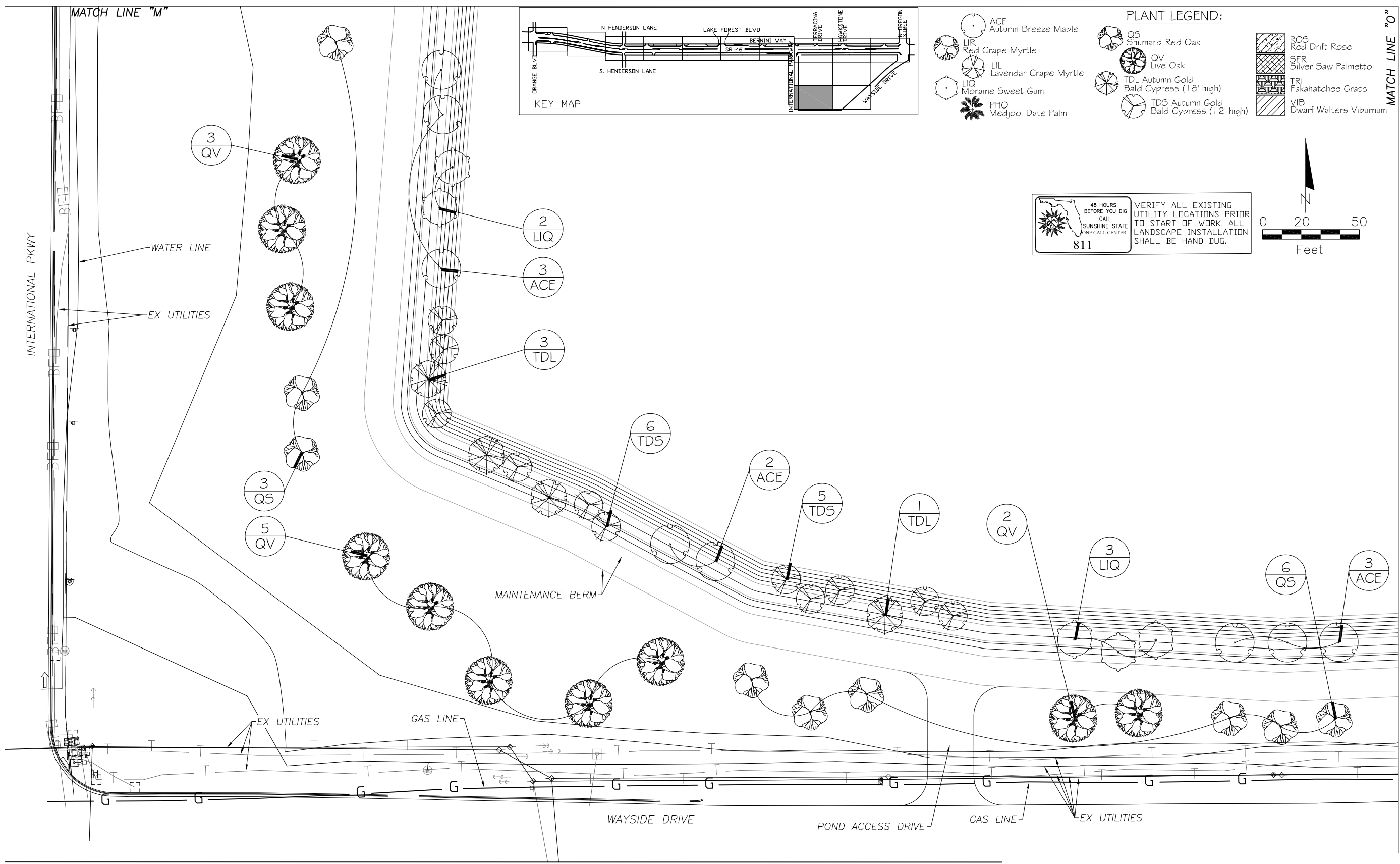


MATCH LINE "N"

NO LANDSCAPE THIS SHEET

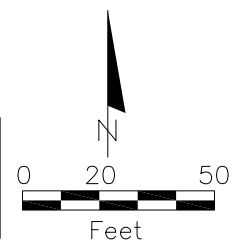
R E V I S I O N S						JCR CONSULTING P.O. BOX 941994 MAITLAND, FLORIDA 32794 Ph (407) 644-5297 Fax (407) 644-3274 JOAN RANDOLPH, R.L.A. FLORIDA REG. RLA #0000576	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE PLAN (12) SR 46 - WEKIVA PARKWAY 7B	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID.		
						46	SEMINOLE	437114-8-52-01		LD-18	

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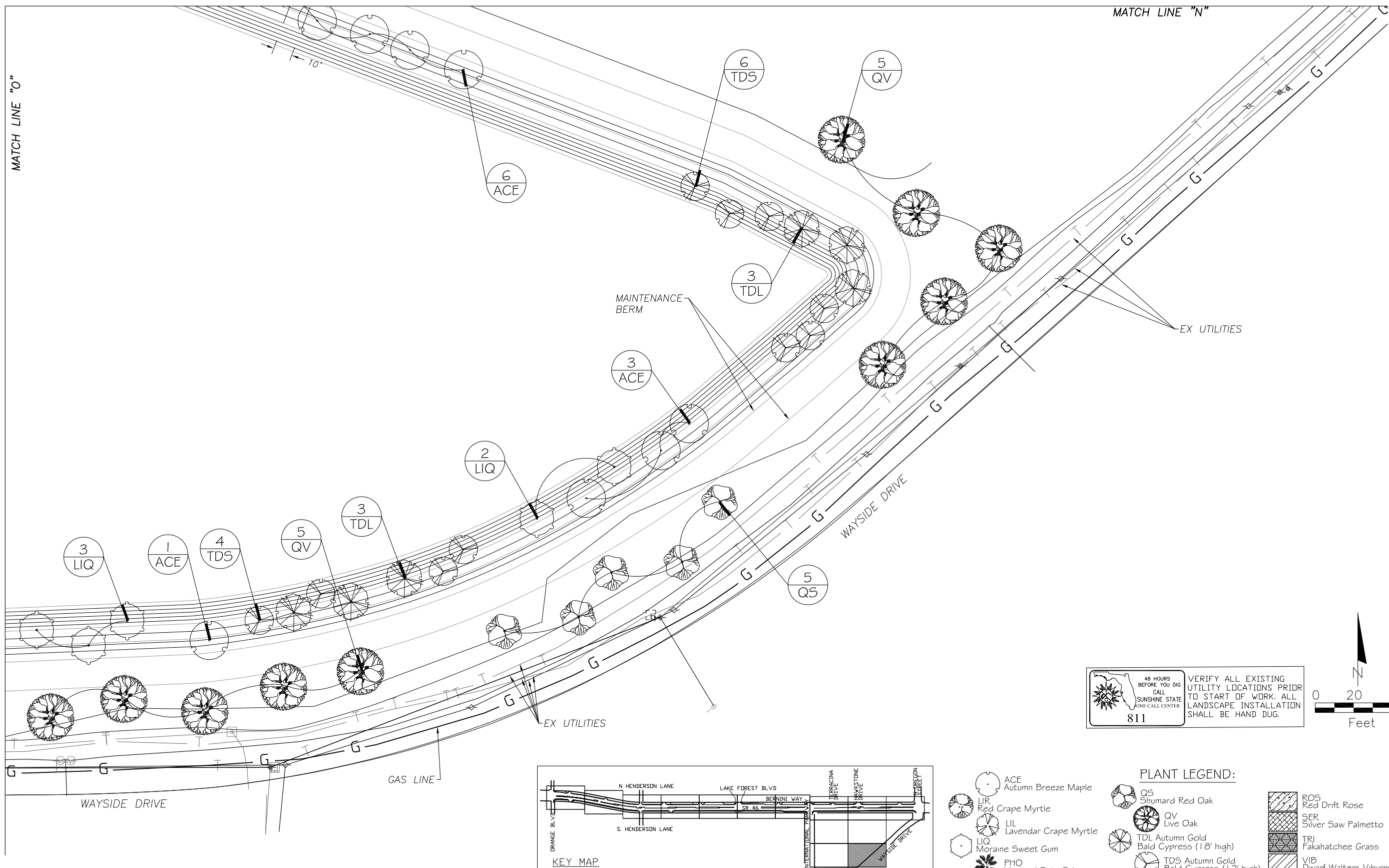
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
46	SEMINOLE	437114-8-52-01

LANDSCAPE PLAN (13)

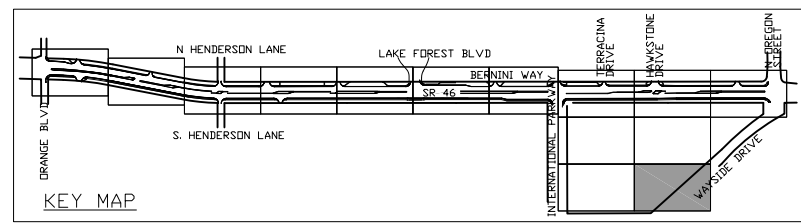
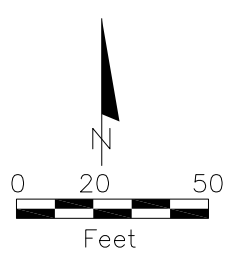
SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
LD-19

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LANDSCAPE PLAN (14)
 SR 46 - WEKIVA PARKWAY 7B

SHEET NO.
 LD-20

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

LANDSCAPE TECHNICAL MAINTENANCE PLAN - ESTABLISHMENT PERIOD – Frequencies listed below are guidelines. It is the responsibility of the Contractor to ensure compliance with the remarks below.

MAINTENANCE OPERATION	YEARLY CYCLE												REMARKS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
EDGING	1	1	1	2	2	2	2	2	2	1	1	1	MECHANICAL EDGING SHALL APPLY TO TREE RINGS, SHRUBS AND MULCH BED. PERFORM FINAL EDGING PRIOR TO END OF ESTABLISHMENT PERIOD.
FERTILIZATION													FERTILIZE IN ACCORDANCE WITH FDOT SPECIFICATIONS. CONTRACTOR TO SUBMIT LABELS AND MSDS SHEETS FOR ALL CHEMICALS APPLIED ON PROJECT DURING ESTABLISHMENT PERIOD TO THE DEPARTMENT'S DESIGNATED REPRESENTATIVE.
WEEDING/CLEANING													MAINTAIN BEDS WEED FREE AT ALL TIMES. REMOVE ANY DEAD OR BROKEN BRANCHING OR FRONDS OF TREE, PALM AND SHRUB MATERIAL.
MOWING/EDGE	1	1	1	2	2	2	2	2	2	1	1	1	MOW AND EDGE AFTER LITTER REMOVAL. SOD SHALL NOT BE HIGHER THAN 3.5 INCHES MEASURED FROM SOIL LEVEL.
INSECT, DISEASE AND PEST CONTROL													INSPECT ALL PALMS, TREES AND SHRUBS ON A MONTHLY BASIS FOR INFESTATION, DISEASE, INSECTS, GRUBS, MITES, FUNGUS, MOLD, ETC. APPLY FUNGICIDE, PESTICIDES, OR OTHER PRODUCTS, AS NEEDED, PER MANUFACTURER'S SPECIFICATIONS. ALL MATERIALS AND PERFORMANCE OF WORK SHALL MEET STATE AND FEDERAL HEALTH AND SAFETY LAWS. ALL CHEMICALS SHALL BE APPLIED BY A LICENSED APPLICATOR WITH THE FOLLOWING QUALIFICATION CATEGORIES: CORE, 6 ROW, 3 ORNAMENTAL AND TURF, SA AQUATIC.
PRUNING - TREES AND PALMS													TREES: PRUNE AS SCHEDULED TO MAINTAIN HORIZONTAL AND VERTICAL CLEARANCE (PER FDOT STANDARD INDEXES . REMOVE ALL SUCKERS, DEAD, DISEASED OR BROKEN BRANCHES.AND FLOWER/ SEED STALKS, ETC.
PRUNING - SHRUBS AND ORNAMENTAL GRASSES													SHRUBS: PRUNE AS SCHEDULED PER FLORIDA'S COOPERATIVE EXTENSION SERVICE (TFAS) GUIDELINES USING APPROPRIATE TOOLS. MAINTAIN VERTICAL CLEARANCE PER FDOT STANDARD INDEX. ORNAMENTAL GRASSES: CUT BACK ALL IN MARCH TO 6 INCHES ABOVE SOIL LEVEL. REMOVE ALL CUTTINGS FROM PROJECT SITE TO REDUCE FIRE HAZARD.
LITTER REMOVAL	1	1	1	2	2	2	2	2	2	1	1	1	REMOVE LITTER IN ALL PLANTING AREAS WITHIN THE PROJECT LIMITS.
MULCH													MAINTAIN MULCH DEPTHS FOR ALL PLANT MATERIALS THROUGHOUT ESTABLISHMENT PERIOD AS SPECIFIED IN THE LANDSCAPE PLAN. SPOT CHECK DEPTH DURING MONTHLY INSPECTIONS AND REPLENISH AS NEEDED TO MAINTAIN MULCH DEPTHS THROUGHOUT ESTABLISHMENT PERIOD. GIVE SPECIAL ATTENTION TO SLOPES AFTER MAJOR RAIN EVENTS. PERFORM FULL MULCH REPACEMENT AT 12 MONTHS CYCLE AND PRIOR TO END OF ESTABLISHMENT PERIOD.
WATER SAUCERS, STAKE AND GUYS													MONITOR AND REPAIR WATER SAUCERS THROUGHOUT THE ESTABLISHMENT PERIOD. MAINTAIN TREES AND PALMS UPRIGHT, WITH STAKES / GUYS PER FDOT STANDARD DETAILS THROUGHOUT ESTABLISHMENT PERIOD. UNLESS OTHERWISE DIRECTED, ALL STAKES AND GUY, NURSERY POLES AND FLAGGING TAPE SHALL BE REMOVED FROM TREES AND PALMS TWELVE MONTHS AFTER FINAL ACCEPTANCE.
WATERING FOR PLANTS													CONTRACTOR SHALL SUPPLY SUFFICIENT WATERING VOLUME AND PROPER INTENSITY TO MAINTAIN HEALTH OF PLANTS IN ACCORDANCE WITH FDOT SPECIFICATIONS.

MAINTENANCE NOTES:

- 1) DURING THE PLANT ESTABLISHMENT PERIOD THE CONTRACTOR IS RESPONSIBLE FOR LANDSCAPE MAINTENANCE. MAINTENANCE SHALL INCLUDE REGULAR INSPECTION TO MAINTAIN PROPER SITE LINE CLEARANCE.
- 2) DURING THE ESTABLISHMENT PERIOD, METHOD OF WATERING SHALL BE THE DECISION OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE METHOD AND SCHEDULE AT NOTICE TO PROCEED OR KICK OFF MEETING. METHOD SHALL BE APPROVED BY THE ENGINEER. ALL COST OF WATER, MATERIALS, INSTALLATION RELATED TO WATERING, SHALL BE AT THE CONTRACTOR'S OPTION AND EXPENSE.
- 3) AT THE END OF THE PLANT ESTABLISHMENT PERIOD AND BEFORE THE INSPECTION FOR FINAL ACCEPTANCE, THE CONTRACTOR SHALL EDGE ALL BED LINES AND TREE RINGS; FERTILIZE; WEED AND CLEAN; LITTER REMOVAL; MOW AND EDGE; APPLY INSECT AND PEST CONTROL AS NEEDED; PRUNE TREES, PALMS AND SHRUBS; REPLENISH MULCH; AND REMOVE ALL TREE GUYING AND STAKING MATERIAL.
- 4) ANY PLANT MATERIAL MISSING OR LESS THAN FLORIDA GRADE NO. 1 CONDITION AT TIME OF INSPECTION SHALL BE REPLACED AT NO CHARGE TO FDOT WITHIN SEVEN WORKING DAYS OF WRITTEN NOTIFICATION TO CONTRACTOR.

REVISIONS						JCR CONSULTING P.O. BOX 941994 MAITLAND, FLORIDA 32794 Ph (407) 644-5297 Fax (407) 644-3274	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MAINTENANCE PLAN	SHEET NO. LD-21
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID.		
						46	SEMINOLE	437114-8-52-01	SR 46 - WEKIVA PARKWAY 7B		