

TOWN OF LONGBOAT KEY

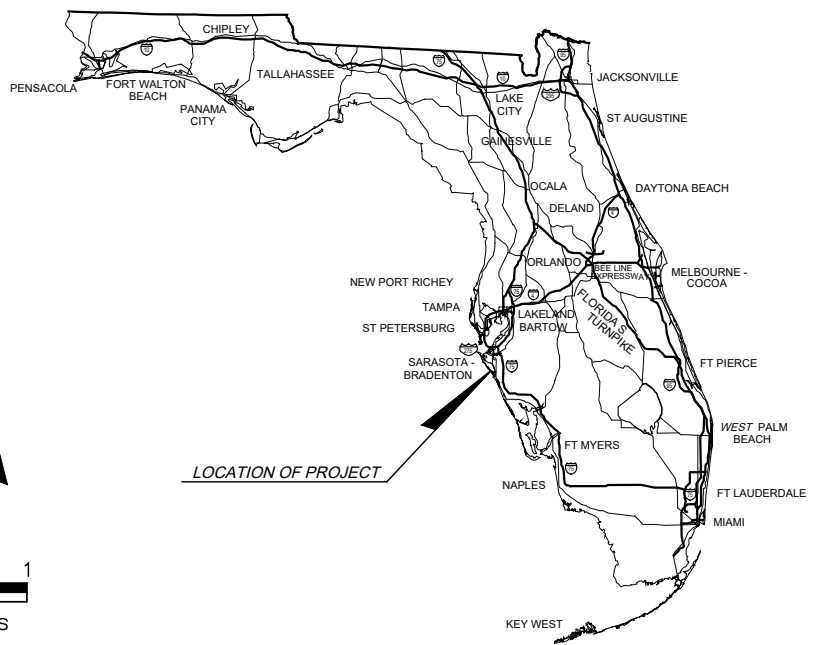
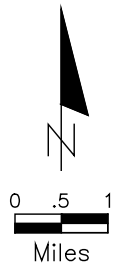
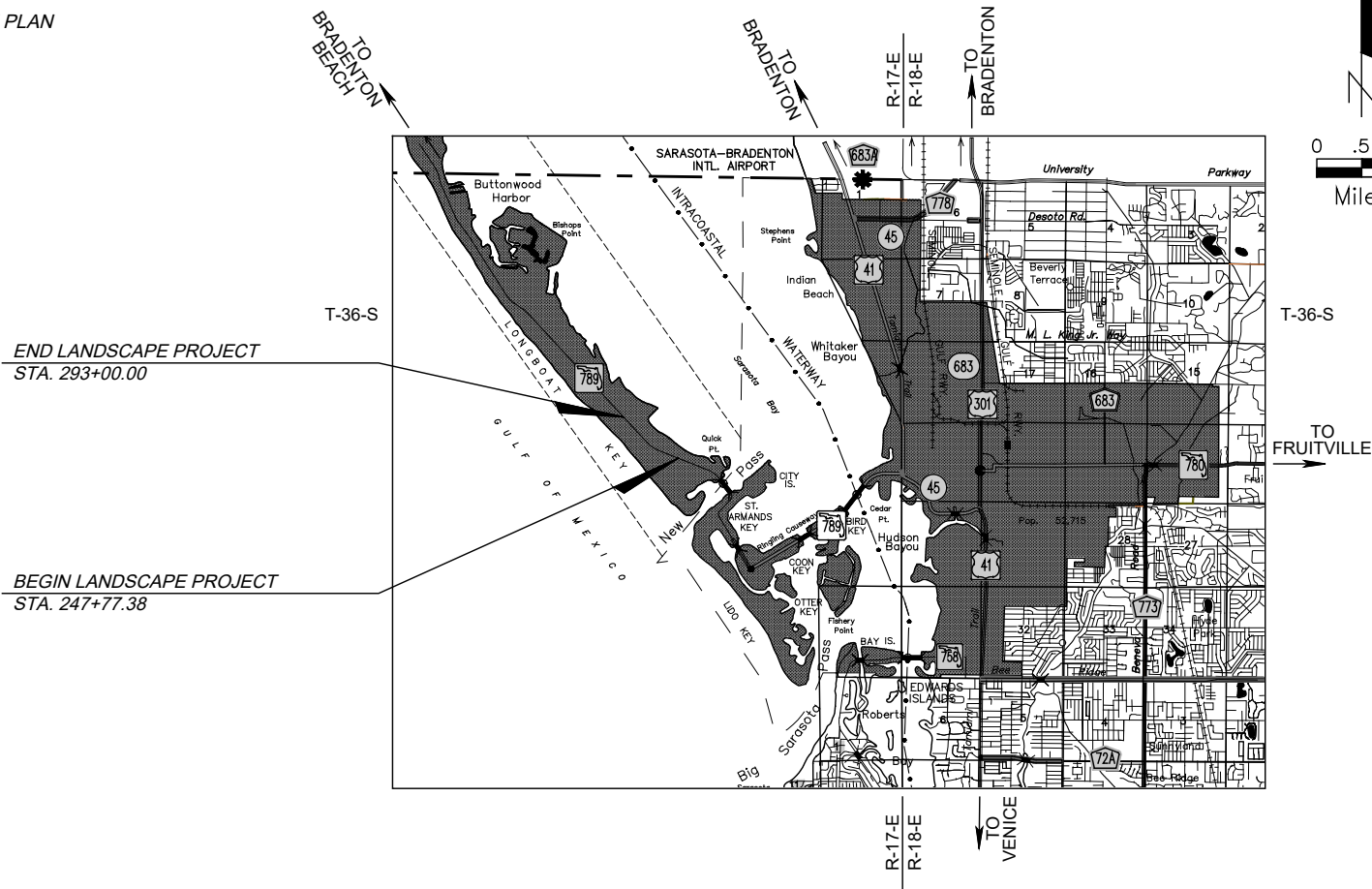
CONTRACT PLANS

SARASOTA COUNTY
STATE ROAD NO. SR-789

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-01	KEY SHEET
LD-02	TABULATION OF QUANTITIES
LD-03	GENERAL NOTES AND PAY ITEM NOTES
LD-04 - LD-12	TREE PROTECTION / REMOVAL PLANS
LD-13	TREE PROTECTION DETAILS
LD-14- LD-22	LANDSCAPE PLANS
LD-23 - LD-26	LANDSCAPE DETAILS
LD-27 - LD-35	IRRIGATION PLANS
LD-36 - LD-37	IRRIGATION DETAILS
LD-38	IRRIGATION NOTES
LD-39	TECHNICAL MAINTENANCE PLAN



100% PLANS

THE ABOVE NAMED REGISTERED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE INDEX OF SHEETS SHOWN ON THIS KEY SHEET IN ACCORDANCE WITH THE RULE 61G10 -11.011, F.A.C.

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD:

PHILLIP J. SMITH, R.L.A.
R.L.A. NO. 1096
DAVID W JOHNSTON ASSOCIATES, INC.
630 SOUTH ORANGE AVE., SUITE 202
SARASOTA, FLORIDA 34236
(941) 366-3159
VENDOR NO. 59-2217674
CERTIFICATE OF AUTHORIZATION NO. LCC 000083

TOWN OF LONGBOAT KEY PROJECT MANAGER:
ISAAC BROWNMAN, P.E.

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY 2023-24 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 web site: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

5 FINAL CIVIL REVIEW COMMENTS
Cover LD-01, Tabulation of Quantities LD-02, Tree Protection Plan Sheets LD-04 thru LD-12, Planting Plan Sheets LD-14 thru LD-22, Irrigation Plan Sheets LD-27 thru LD-35. Design Speed 40 MPH, Type D curb replaced Type A curb, (Revised 10-05-20).

6 REVISED COVER SHEET
Revised dates of Governing plans and standard specifications.

7 MEDIAN MODIFICAITONS
Cover LD-01, Tabulation of Quantities LD-02, Tree Protection Plan Sheets LD-05,06,09,10 and LD-11, Planting Plan Sheets LD-15,16,19,20 and LD-21, Irrigation Plan Sheets LD-28,29,32,33 and LD-34 Revised 04-23-25).

FISCAL YEAR	SHEET NO.
23	LD-01

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

TABULATION OF QUANTITIES AND SCHEDULE FOR SELECTIVE CLEARING AND GRUBBING AND TREE PROTECTION

[illegible]

TABULATION OF QUANTITIES AND PLANT SCHEDULE

PAY ITEM NO.	PAY SIZE	SYM.	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS																GRAND TOTAL			
									LD-14		LD-15		LD-16		LD-17		LD-18		LD-19		LD-20		LD-21				LD-22	
									PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
580-1-2	LARGE	TR	Thrinax radiata 'Silver'	Florida Thatch Palm	8' O.A.H.	40' o.c.	B&B, Matched	EA	-		-		-		-		-		-		△ 5		-		△ 5			
580-1-1	SMALL	AL	Aechmea blanchetiana 'Lime Green'	Lime Bromeliad	18" x 18" Spr.	30" o.c.	7 Gal.	EA	-		-		△ 20		-		-		-		△ 14		-		-		△ 34	
580-1-1	SMALL	AO	Aechmea blanchetiana 'Orangeade'	Orangeade Bromeliad	18" x 18" Spr.	30" o.c.	7 Gal.	EA	-		△ 8		-		-		-		△ 27		12		△ 56		-		△ 103	
580-1-1	SMALL	AR	Alcantarea imperialis 'Rubra'	Rubra Imperial Bromeliad	12" x 12" Spr.	18" o.c.	1 Gal.	EA	-		-		△ -		-		-		-		△ -		△ 198		-		△ 198	
580-1-1	SMALL	BY	Bulbine frutescens 'Yellow African'	Bulbine	8" x 12" Spr.	12" o.c.	1 Gal.	EA	-		134		142		-		-		-		281		-		-		△ 557	
580-1-1	SMALL	EL	Ernodea littoralis	Golden Creeper	12" x 12" Spr.	18" o.c.	1 Gal.	EA	-		89		-		-		-		126		142		145		-		502	
580-1-1	SMALL	NC	Neoregelia cruenta 'Rubra'	Cruenta Bromeliad	12" x 12" Spr.	18" o.c.	1 Gal.	EA	-		32		-		-		-		29		15		17		-		93	
580-1-1	SMALL	TV	Tulbaghia violacea	Society Garlic	-	12" o.c.	1 Gal.	EA	-		7		7		-		-		-		14		-		-		28	
580-1-1	SMALL	ZF	Zamia floridana	Coontie	24" x 24" Spr.	30" o.c.	10 Gal.	EA	-		-		-		-		-		△ 8		△ 8		△ 137		-		△ 153	
570-1-2	-	MM	Mulch	Recycled Melaleuca Mulch	3" Depth	-	-	CY	-		△ 4.1		△ 4.8		-		-		△ 7.1		△ 10.7		△ 24.7		-		△ 51.4	

TABULATION OF QUANTITIES AND SCHEDULE FOR IRRIGATION AND SITE AMENITIES

[illegible]

PAY ITEM NO.	SYM.	NAME	REMARKS	UNIT	SHEET NUMBERS																		GRAND TOTAL	
					LD-14		LD-15		LD-16		LD-17		LD-18		LD-19		LD-20		LD-21		LD-22			
					PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
590-70	-	Irrigation System	Complete Operational Irrigation System	LS	-		1		1		-		-		1		1		1		-		1	

No.	REVISION	DATE	BY	TOWN OF LONGBOAT KEY DEPARTMENT OF PUBLIC WORKS 600 GENERAL HARRIS STREET LONGBOAT KEY, FL., 34228	<div> LANDSCAPE ARCHITECTS DAVID W. JOHNSTON ASSOCIATES 1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 555-3155</div>	DATE 05/09/19	CKD. BY	DATE	TOWN OF LONGBOAT KEY S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS TABULATION OF QUANTITIES	LANDSCAPE ARCHITECT OF RECORD PHILLIP J. SMITH, ASLA, RLA #1096 REGISTERED LANDSCAPE ARCHITECT	SHEET No. LD-02
						DRAWN KSR	JA	05/19			
						DESIGN PJS	PJS	05/19			
						SCALE NOTED	DWJA NO. 19-20				
5	PER FINAL CIVIL REVIEW	10/05/20	KSR								
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS								

GENERAL NOTES:

1. INSTALLATION SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
2. CONTRACTORS ARE ADVISED TO REFER TO THE STANDARD F.D.O.T. SPECIFICATIONS, CONTRACT DOCUMENTS AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.
3. THE CONTRACTOR IS CAUTIONED TO BE AWARE OF UNDERGROUND UTILITIES. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CHECK WITH THE JOB SITE SUPERINTENDENT, SUNSHINE STATE ONE, AND THE TOWN OF LONGBOAT KEY FOR LOCATION OF ALL UTILITIES A MINIMUM OF 48 HOURS BEFORE BEGINNING WORK.
4. ALL SOD INDICATED SHALL BE ARGENTINE BAHIA SAND GROWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING IN SOD AREAS. HAND RAKE PRIOR TO INSTALLING SOD. CONTRACTOR TO CUT AND MATCH IN ALL NEW SOD TO EXISTING SOD. STAGGER AND KICK ALL JOINTS TIGHT. ALL SOD TO BE ROLLED IMMEDIATELY AFTER INSTALLATION. CONTRACTOR IS RESPONSIBLE TO WATER ALL SOD TO ESTABLISH
5. CONTRACTOR SHALL APPLY MINIMUM 2 APPLICATIONS OF GLYPHOSATE HERBICIDE ON EXISTING TURF WHERE IT IS REQUIRED TO BE REMOVED FOR PLANTING. THE GLYPHOSATE HERBICIDE MUST BE SPRAYED PRIOR TO COMMENCING ANY GRADING OPERATIONS. CONTRACTOR SHALL REVIEW TURF KILL WITH ENGINEER, IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT FOR APPROVAL. ALL HERBICIDES MUST BE APPLIED BY LICENSED APPLICATORS PER MANUFACTURERS RECOMMENDED RATES AND INSTRUCTIONS. POST ALL APPLICATIONS. PLANTING IN WEED INFESTED SOIL IS NOT ACCEPTABLE.
6. ANY EXCESS SOIL OR DEBRIS FROM CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND TAKEN TO THE COUNTY LAND FILL OR OTHER LOCATION AS APPROVED.
7. CONTRACTOR SHALL REPAIR ALL DISTURBED UNPAVED AREAS WITH EITHER SEED, MULCH OR SOD DURING THE COMPLETION OF WORK INCLUDING RESODDING OF IRRIGATION TRENCHES AND PLANTING PITS RESULTING FROM MATERIAL RELOCATIONS.
8. THE CONTRACTOR SHALL INCORPORATE ABSORBENT HYDROGEL GRANULES INTO ALL PLANTING PITS.
9. CONTRACTOR SHALL STAKE ALL TREES AS PER FDOT STANDARD INDEX DETAILS.
10. ALL PLANT MATERIAL SHALL BE FERTILIZED ACCORDING TO THE FERTILIZATION CHART.
11. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS CREATED BY THE CONSTRUCTION. THIS SHALL INCLUDE ALL SOD AND HAND RAKING TO RESTORE A SMOOTH UNIFORM SURFACE. ALSO REMOVAL OF ANY DEBRIS ENCOUNTERED OR CREATED FROM CONSTRUCTION OPERATIONS. ANY MATERIAL REMOVED FROM THE SITE SHALL BE TAKEN TO A SANITARY LANDFILL OR OTHER APPROVED LOCATION.
12. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCING ANY WORK. THIS INCLUDES ALL TREE REMOVAL PERMITS FROM THE TOWN OF LONGBOAT KEY PRIOR TO COMMENCEMENT OF DEMOLITION.
13. A MAINTENANCE PERIOD SHALL BEGIN ONCE SUBSTANTIAL COMPLETION HAS BEEN MADE AND AGREED TO BY THE ENGINEER, AND TOWN OF LONGBOAT KEY IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT. THE MAINTENANCE SHALL CONTINUE UNTIL FINAL ACCEPTANCE.
14. FINAL ACCEPTANCE WILL OCCUR AFTER THE OWNER HAS ACCEPTED THE JOB.
15. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLANS AND WRITTEN SPECIFICATIONS. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL BY ENGINEER, AND TOWN OF LONGBOAT KEY IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT.
16. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. ENGINEER, IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS.
17. A MINIMUM 6' SEPARATION IS REQUIRED BETWEEN UTILITIES AND ALL TREE PLANTINGS. REFER TO ROADWAY PLANS FOR UTILITY LOCATIONS.

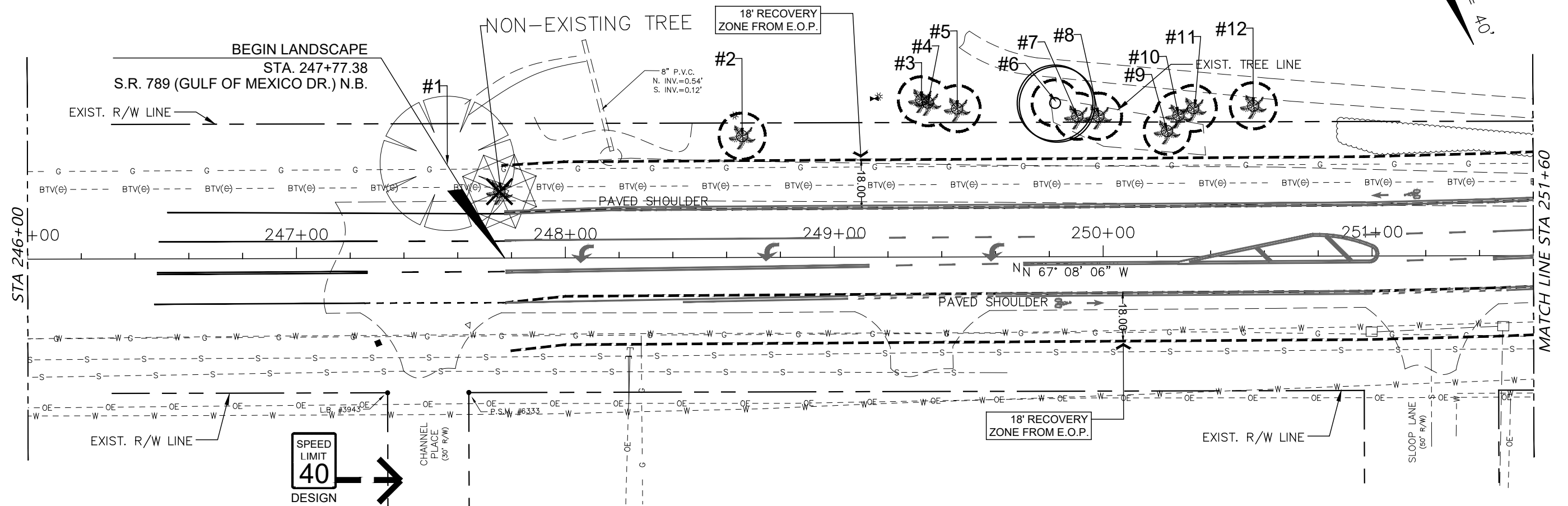
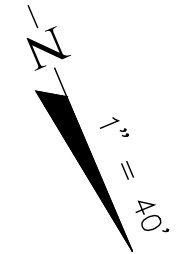
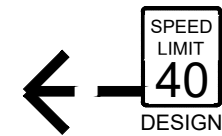
18. ALL TREE MATERIALS TO BE CONTAINER GROWN UNLESS OTHERWISE SPECIFIED.
19. CONTRACTOR SHALL WARRANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY ENGINEER, AND TOWN OF LONGBOAT KEY IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL ANALYSIS PRIOR TO INSTALLATION OF PLANTINGS. CONTRACTOR SHALL NOTIFY THE ENGINEER, IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT OF ANY IMPROPER SOIL CONDITIONS (WETNESS, MUCK, DEBRIS, ETC.) PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL AMENDMENTS REQUIRED TO PROMOTE HEALTHY, VIGOROUS PLANT GROWTH.
21. SOD TO INCLUDE ALL DISTURBED AREAS THAT ARE NOT LANDSCAPED OR HARDESCAPED. CONTRACTOR SHALL VERIFY SOD QUANTITIES AND ALL OTHER QUANTITIES IDENTIFIED ON SCHEDULE. NOTIFY OWNER'S REP OF ANY DISCREPANCIES PRIOR TO BIDDING. QUANTITIES LISTED ON PLANS ARE PROVIDED FOR CONTROL PURPOSES ONLY.
22. ALL BASE MATERIAL BENEATH EXISTING CONCRETE MUST BE REMOVED ANYWHERE FUTURE PLANTING AND/OR SODDING IS TO TAKE PLACE PRIOR TO COMMENCEMENT OF LANDSCAPE INSTALLATION.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING THE FINE GRADING OF PLANTING AREAS TO ENSURE AT LEAST 3% POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO TURF AREAS, PONDS, STREETS OR OTHER DRAINAGE WAYS. TURF AND PLANTING BEDS SHALL MEET SIDEWALKS AND FLATWORK AT 1" BELOW THE FLATWORK.
24. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED OR REMOVED LANDSCAPE AFFECTED BY CONSTRUCTION AND NOT DELINEATED ON THE DEMOLITION PLANS.
25. CONTRACTOR IS RESPONSIBLE FOR ERECTING AND MAINTAINING ANY AND ALL BARRIERS NECESSARY TO PROTECT EXISTING TREES FROM DAMAGE DURING CONSTRUCTION.
26. ALL LANDSCAPE AND IRRIGATION MATERIALS PROPOSED IN OR AROUND EXISTING VEGETATION ARE TO BE FIELD LOCATED FOR APPROVAL BY ENGINEER, IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. EXISTING VEGETATION IS NOT TO BE DAMAGED OR IMPACTED IN ANY WAY DURING CONSTRUCTION.
27. PRICING OF PLANT MATERIAL SHALL INCLUDE: PLANTS, PLANTING SOIL MIX, AMENDMENTS, INSTALLATION LABOR AND MATERIALS, STAKING, FERTILIZER, AND MAINTENANCE UNTIL FINAL ACCEPTANCE. PLANT QUANTITIES ARE PROVIDED FOR CONTROL PURPOSES ONLY, AND SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING.
28. ALL PLANTINGS INSTALLED SHALL BE COVERED BY A 100% COVERAGE AUTOMATIC IRRIGATION SYSTEM.
29. ALL PLANTING BEDS, TREES AND PALMS SHALL BE MULCHED WITH FLORAMULCH UNLESS OTHERWISE INDICATED ON PLANS AT A MINIMUM WETTED DEPTH OF 3". CONTRACTOR SHALL PREPARE ALL PLANTING AREAS BY REMOVING ALL WEEDS & DEBRIS AND PROVIDING A FINISH GRADE SUITABLE FOR PLANTING. COMPLETE FINISH GRADE SHALL BE MAINTAINED BY THE CONTRACTOR BY HAND GRADING AS NEEDED PRIOR TO INSTALLING ANY MULCH. WHERE INDICATED ON PLANS, SHELL AGGREGATE SHALL BE 0.5"-1.0" SIZE, CRUSHED, WASHED SHELL. WEED BARRIER IS INCIDENTAL TO LANDSCAPE COMPLETE PAY ITEM. SUBMIT MULCH/SHELL SAMPLES TO THE ENGINEER IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT FOR APPROVAL.
30. APPLY GRANULAR PRE-EMERGENT WITH A PROPERLY CALIBRATED GRANULAR APPLICATOR TO ALL PLANTING BEDS AND INDIVIDUAL MULCH RINGS. THE HERBICIDE ACTIVE INGREDIENTS SHALL BE SUITABLE FOR CONTROL OF ANNUAL AND PERENNIAL BROADLEAF WEEDS AND GRASSES. THE HERBICIDE SHALL BE APPLIED BY HAND AFTER PLANTING AND BEFORE PLACING MULCH. APPLY AT THE MANUFACTURER'S RECOMMENDED RATE FOR SQ. FT. OF PLANTED AREA SPECIFIED. DO NOT APPLY PRE-EMERGENT CHEMICAL DIRECTLY ON PLANT MATERIAL. ALL APPLICATORS SHALL BE PROPERLY LICENSED IN ACCORDANCE WITH STATE LAW. SUBMIT PROOF OF LICENSURE FOR REVIEW BY LANDSCAPE ARCHITECT. SUBMIT MANUFACTURER'S CUT SHEET FOR APPROVAL.

PAY ITEM NOTES:

- 110-2-A FURNISH ALL LABOR, MATERIALS AND INCIDENTALS TO PROTECT TREES AND SELECTIVELY PRUNE CERTAIN TREES PER STANDARD INDEX 100-110. THIS PAY ITEM SHALL INCLUDE THE MAINTENANCE OF ALL PROTECTIVE BARRIERS AND THE REMOVAL, DISPOSAL OF ALL DEBRIS REMOVED OR TRIMMED FROM SELECTIVE PRUNING.
- 580-1-1 & 580-1-2 FURNISH ALL LABOR, MATERIALS, LABOR, DISPOSAL, AND INCIDENTALS NECESSARY TO COMPLETE LANDSCAPE INSTALLATION, INCLUDING BED PREPARATION, PLANTING SOIL AMENDMENTS, FERTILIZERS, SOIL INOCULANTS, TREE PLANTING, MULCHING, HERBICIDE AND PESTICIDE APPLICATIONS, AND MAINTENANCE UNTIL FINAL ACCEPTANCE.
- THIS PAY ITEM SHALL INCLUDE THE ESTABLISHMENT/MAINTENANCE PERIOD FOR ALL PLANTS, SOD, MULCH AND IRRIGATION UNTIL FINAL ACCEPTANCE.
- PLANTING SOIL BACKFILL SHALL BE AS FOLLOWS:
25% CLEAN MEDIAN SOIL THOROUGHLY WITH
75% BATCH-PREPARED SOIL BLEND CONSISTING OF:
85% SAND (0.5mm TO 2.0mm PARTICLE SIZE)
4%-5% SILT (0.005mm TO 0.05mm PARTICLE SIZE)
6%-8% CLAY (0.002mm PARTICLE SIZE)
2%-5% ORGANIC MATTER
- THE RESULTING PLANTING SOIL BACKFILL SHALL BE SUPPLEMENTED AS NECESSARY WITH ADDITIONAL ORGANIC MATERIAL TO ACHIEVE A pH OF 6.0-7.0. THESE REQUIREMENTS SHALL BE VERIFIED BY AN INDEPENDENT SOIL TESTING LABORATORY AT THE EXPENSE OF THE CONTRACTOR, AND A REPORT SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO PLANTING.
- ALL SUPPLEMENTAL WATER AND WATERING REQUIRED IS INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH OF THE DESIGNATED PLANTING PAY ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
- PROVIDE SCHEDULE OF VALUES FOR ALL PLANT ITEMS PRIOR TO COMMENCEMENT OF WORK. PLANT VALUES SHALL INCLUDE ALL PLANTS DELIVERED TO THE SITE, BED PREPARATION, PLANTING, FERTILIZING, SOIL INOCULANTS, WATERING, AND MAINTAINING PER LANDSCAPE DETAILS AND THE LANDSCAPE MAINTENANCE PLAN. PROVIDE MANUFACTURER'S PRODUCT SHEETS FOR ALL SOIL ADDITIVES.
- 590-3 IRRIGATION CONTROLLER - THIS PAY ITEM SHALL INCLUDE ALL INCIDENTAL WORK TO INSTALL THE CONTROLLER INCLUDING ELECTRICAL WORK TO MAKE THE CONTROLLER FULLY OPERATIONAL.
- 590-70 THIS PAY ITEM SHALL INCLUDE ALL METERS/BACKFLOW PREVENTERS AND INCIDENTAL ITEMS NECESSARY FOR THE IRRIGATION WATER SUPPLY INCLUDING RESTORATION.

No.	REVISION	DATE	BY	TOWN OF LONGBOAT KEY DEPARTMENT OF PUBLIC WORKS 600 GENERAL HARRIS STREET LONGBOAT KEY, FL., 34228	 LANDSCAPE ARCHITECTS DAVID W. JOHNSTON ASSOCIATES 1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 866-8166	DATE 05/09/19	CKD. BY	DATE	TOWN OF LONGBOAT KEY S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS GENERAL NOTES AND PAYITEM NOTES	LANDSCAPE ARCHITECT OF RECORD PHILLIP J. SMITH, ASLA, RLA #1096 REGISTERED LANDSCAPE ARCHITECT	SHEET No. LD-03
						DRAWN KSR	JA	05/19			
						DESIGN PJS	PJS	05/19			
						SCALE NOTED	DWJA NO. 19-20				
5	PER FINAL CIVIL REVIEW	10/05/20	KSR								
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS								

S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND

- EXISTING TREE OR PALM TO BE REMOVED
- EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL
- EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	1		

CALL 48 HOURS
BEFORE YOU DIG



IT'S THE LAW!
DIAL 811

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

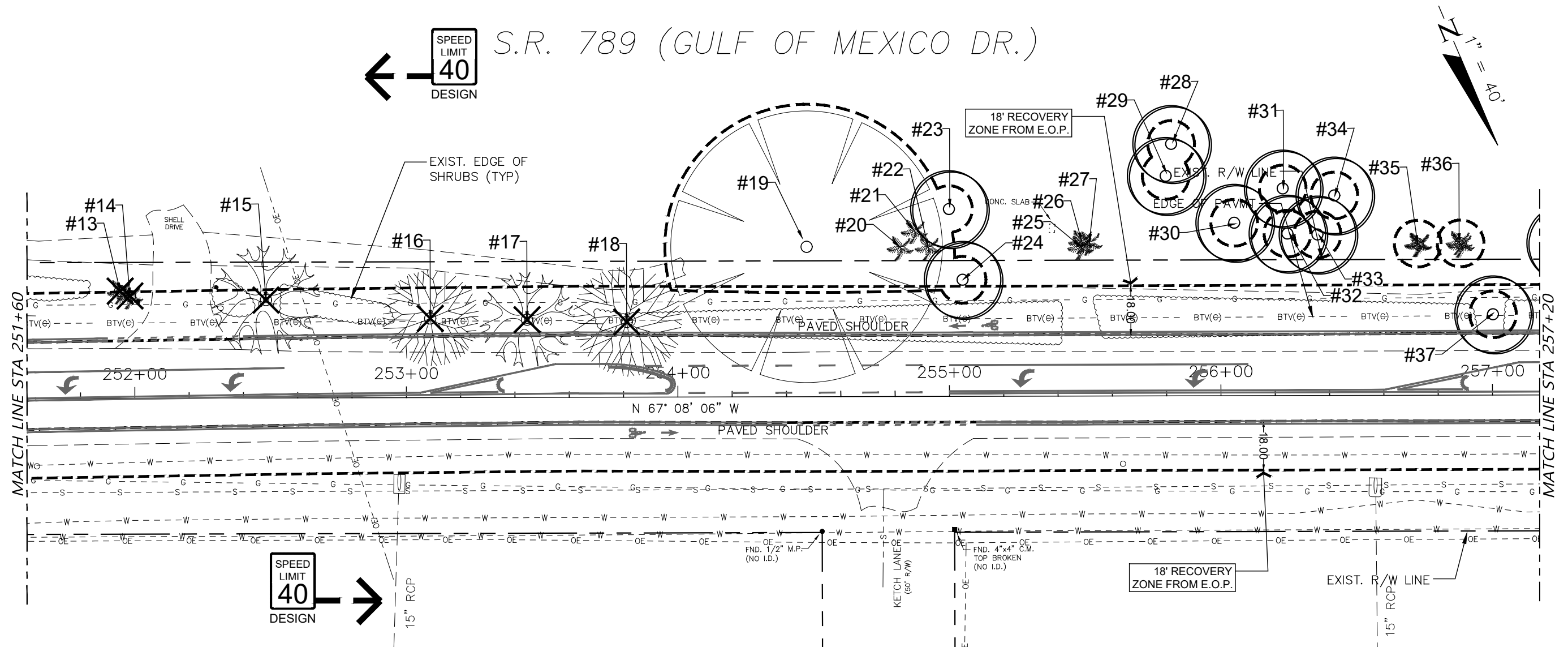
DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
TREE PROTECTION / REMOVAL PLAN




LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.

LD-04



TREE PROTECTION - REMOVAL LEGEND

-  EXISTING TREE OR PALM TO BE REMOVED
-  EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL
-  EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
JACARANDA	-	1	-
TREES	-	3	-
PALM	2	-	-
	-	-	-

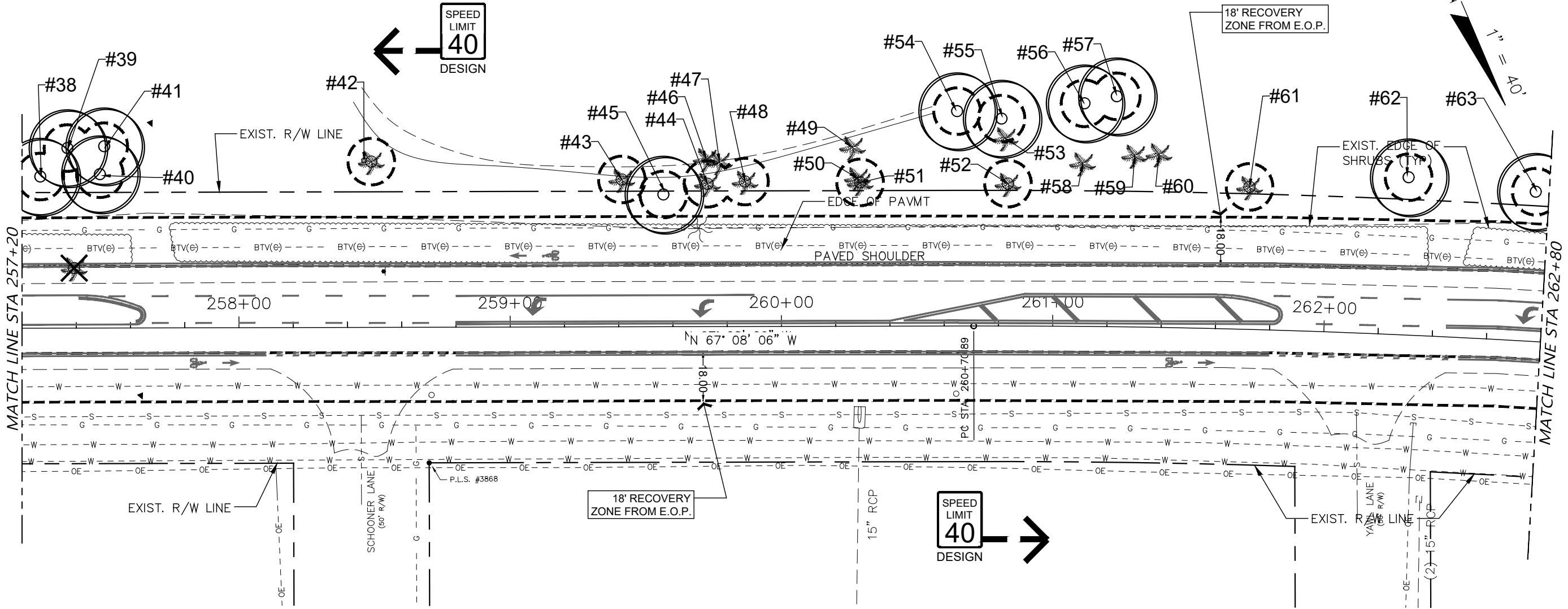
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S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND

- EXISTING TREE OR PALM TO BE REMOVED
- EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL
- EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

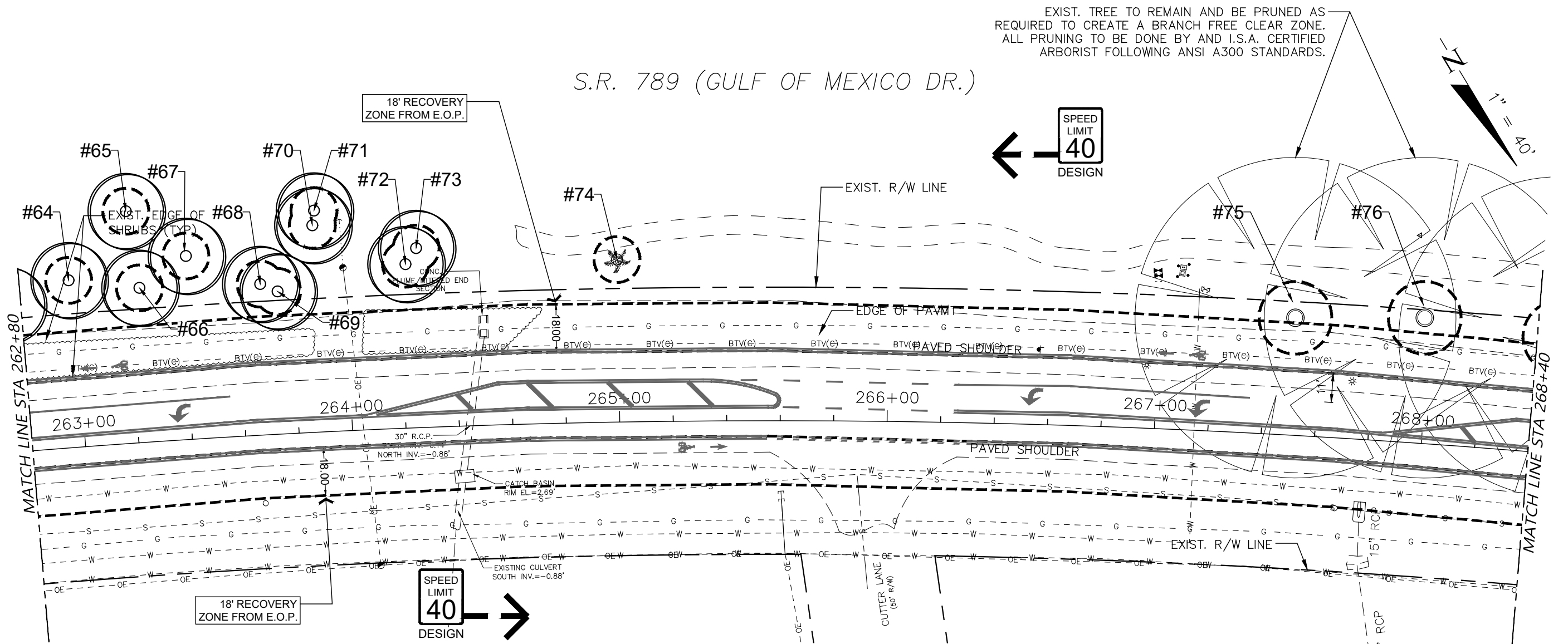
	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	-		

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TREE PROTECTION - REMOVAL LEGEND

- EXISTING TREE OR PALM TO BE REMOVED
- EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL
- EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	-		

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No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

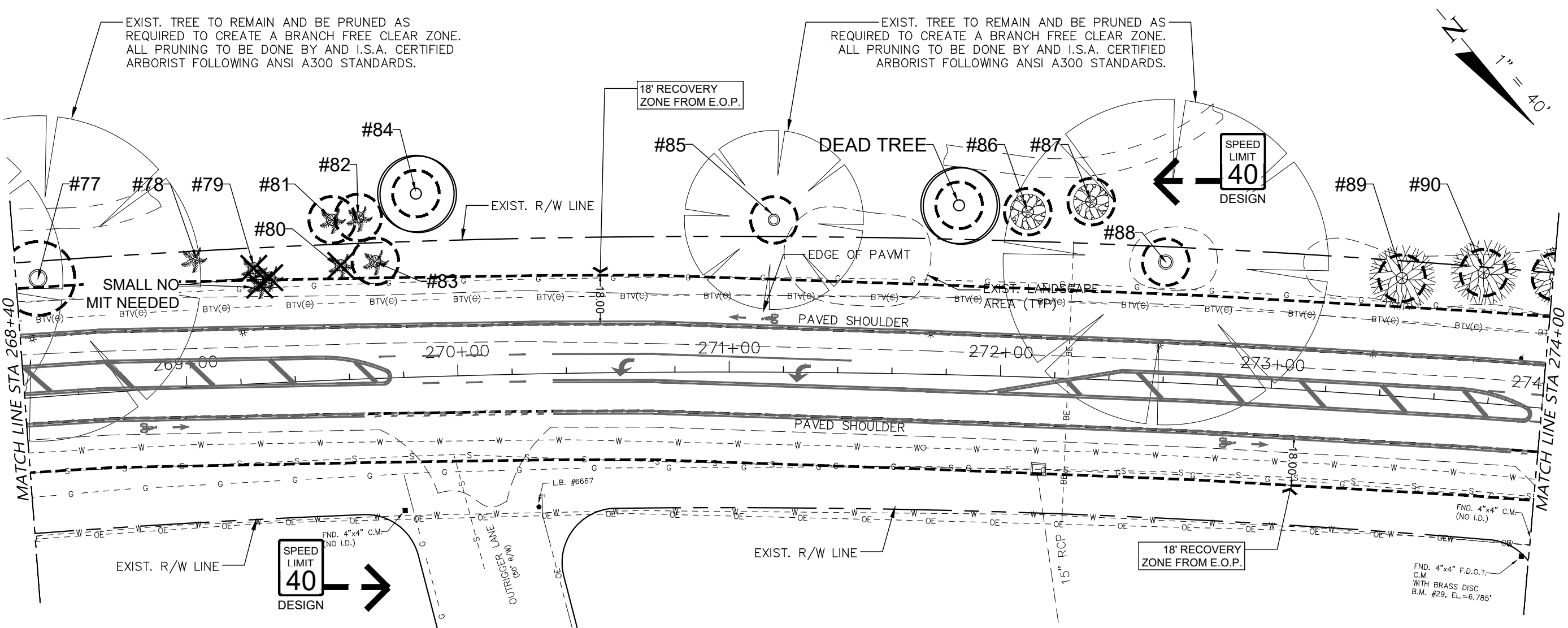
DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
TREE PROTECTION / REMOVAL PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-07

S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND

- EXISTING TREE OR PALM TO BE REMOVED
- EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL
- EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND			
	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	1		

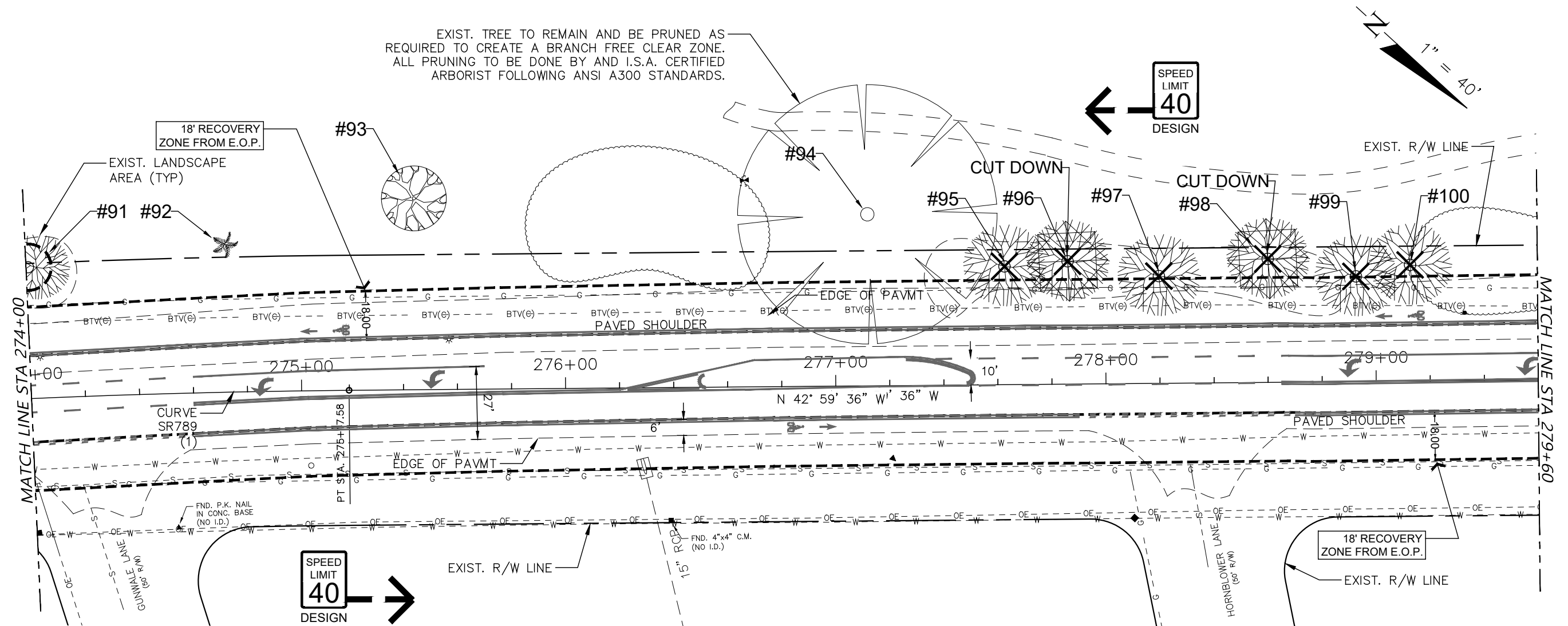
CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

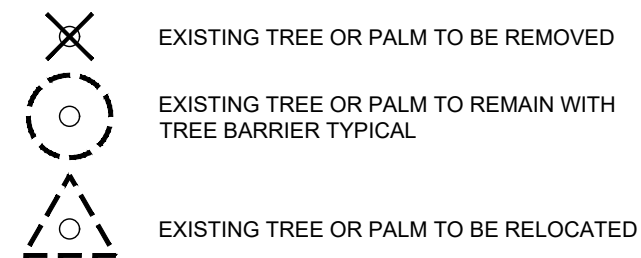
Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND



TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
TREES	-	-	4
PALM	-		

CALL 48 HOURS
BEFORE YOU DIG



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**Know what's below.
Call before you dig.**

SUNSHINE STATE ONE CALL OF FLORIDA, INC. 

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 556-3150

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20		

TOWN OF LONGBOAT KEY	
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS	
TREE PROTECTION / REMOVAL PLAN	

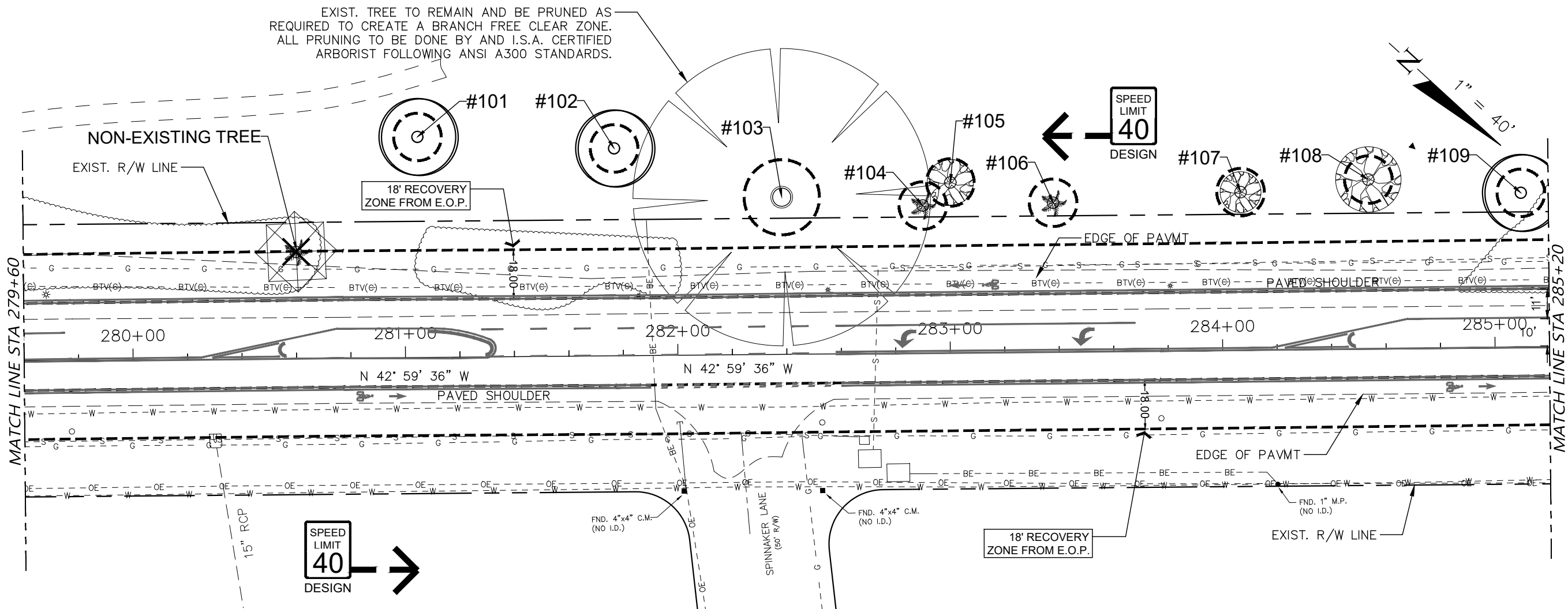
LANDSCAPE ARCHITECT OF RECORD

PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

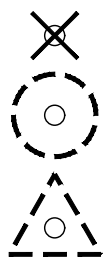
SHEET No. _____

LD-09

S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND



EXISTING TREE OR PALM TO BE REMOVED

EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL

EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	-		

CALL 48 HOURS BEFORE YOU DIG



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Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

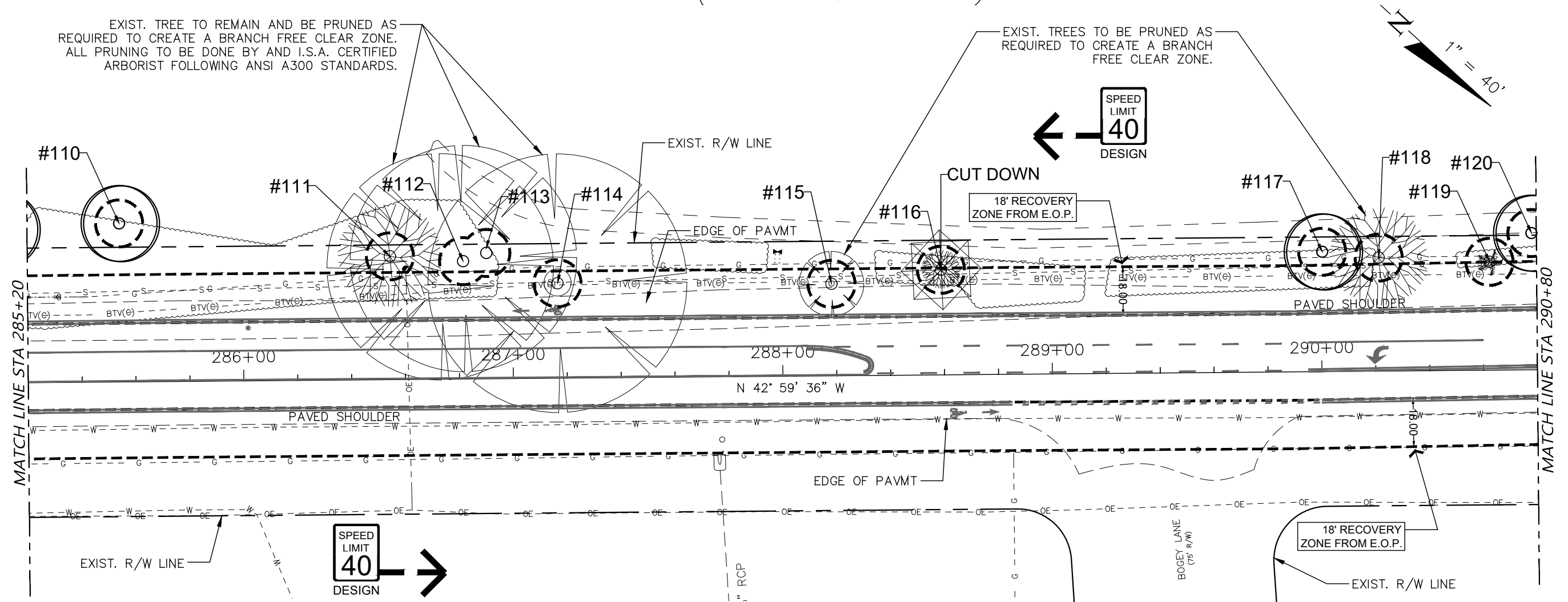
TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
TREE PROTECTION / REMOVAL PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

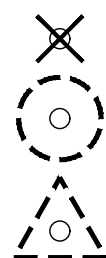
SHEET No.

LD-10

S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND



EXISTING TREE OR PALM TO BE REMOVED

EXISTING TREE OR PALM TO REMAIN WITH
TREE BARRIER TYPICAL

EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	-		

CALL 48 HOURS
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Call before you dig.**

SUNSHINE STATE ONE CALL OF FLORIDA, INC. 

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 556-3150

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20		

TOWN OF LONGBOAT KEY	
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS	
TREE PROTECTION / REMOVAL PLAN	

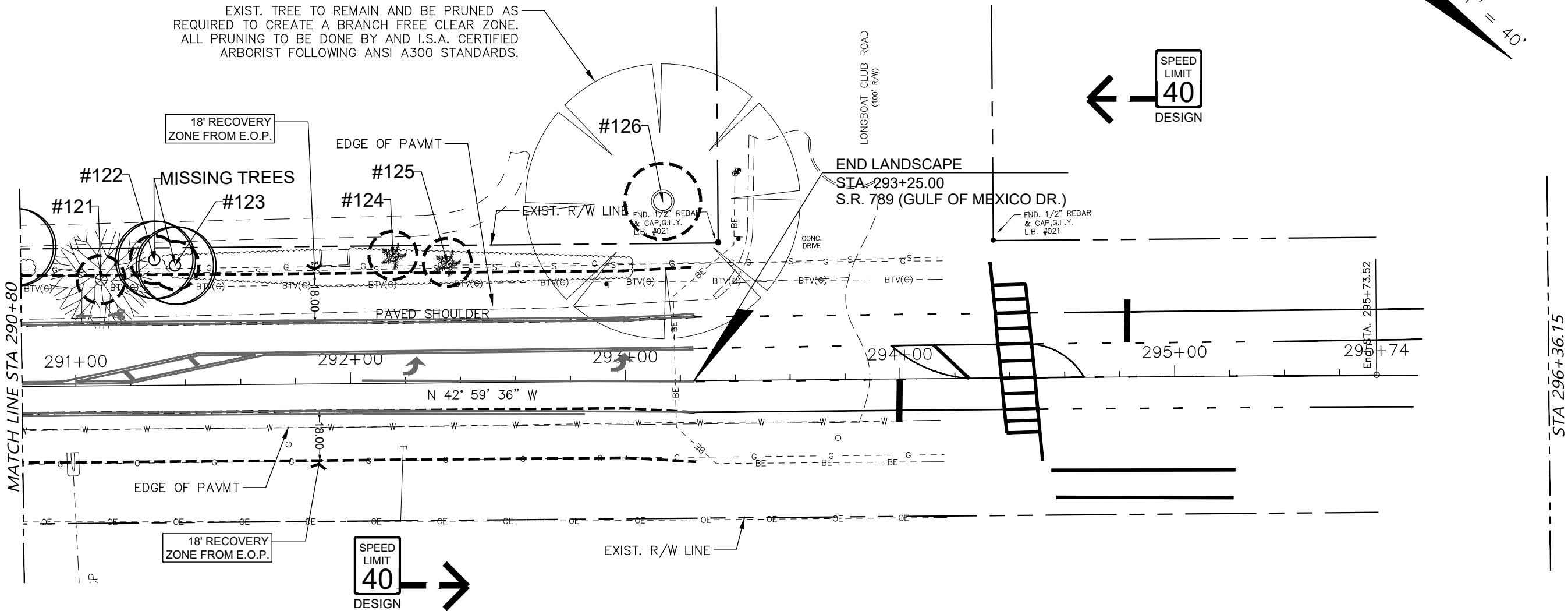
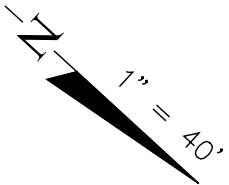
LANDSCAPE ARCHITECT OF RECORD

PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT



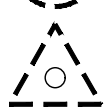
SHEET No. _____

LD-11

S.R. 789 (GULF OF MEXICO DR.)



TREE PROTECTION - REMOVAL LEGEND

-  EXISTING TREE OR PALM TO BE REMOVED
-  EXISTING TREE OR PALM TO REMAIN WITH TREE BARRIER TYPICAL
-  EXISTING TREE OR PALM TO BE RELOCATED

TREE REMOVAL LEGEND

	4"-15"	16"-30"	OVER 30"
TREES	-	-	-
PALM	-		

CALL 48 HOURS
BEFORE YOU DIG



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DIAL 811

Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20		

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
TREE PROTECTION / REMOVAL PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.

LD-12

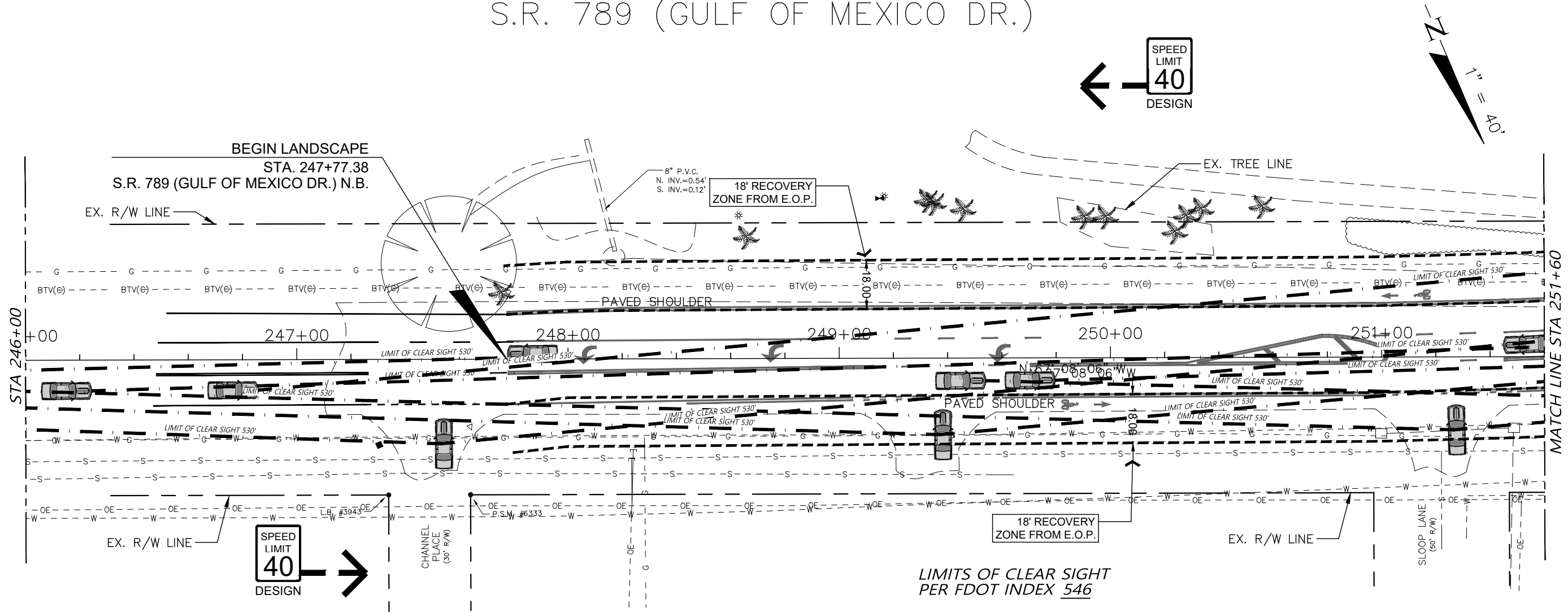
TOWN OF LONGBOAT KEY TREE REMOVAL TABLE

TREE REMOVAL LEGEND			
	4"-15"	16"-30"	OVER 30"
FICUS TREE	-	-	-
LAUREL OAK	-	-	-
QUEEN PALM	-	-	-
* EXOTIC TREE TO BE REMOVED.			

NO TREE MITIGATION IS REQUIRED
BECAUSE THE TREES BEING REMOVED
ARE IN F.D.O.T. R.O.W.

PROTECT ALL TREES TO BE PRESERVED
PER STANDARD F.D.O.T. INDEX 100-110.

S.R. 789 (GULF OF MEXICO DR.)



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
PALMS	
TR	Thrinax radiata / Florida Thatch Palm
GROUND COVERS	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia cruenta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20		

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-14



<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>
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R FINAL CIVIL REVIEW
 MEDIAN MODIFICATIONS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 366-3159

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN (Medians 1 and 2)

SHEET No.

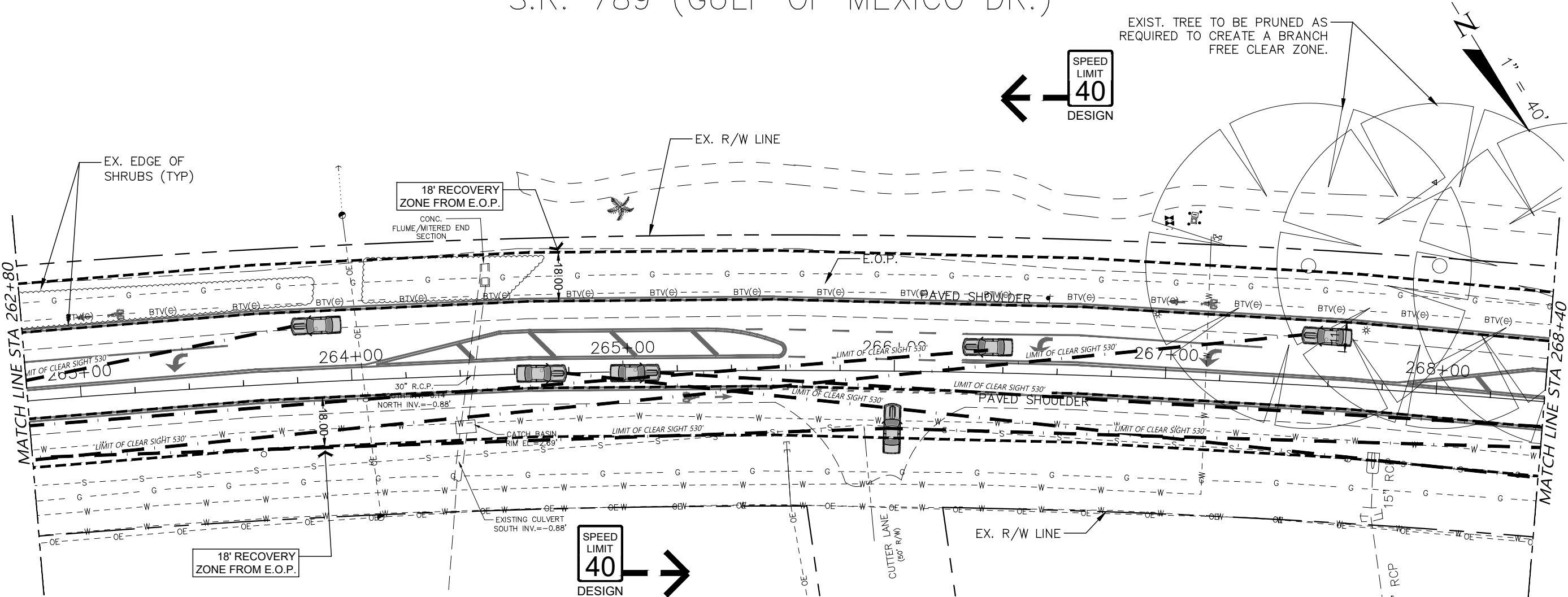
D-15



<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>
<u>PALMS</u>	
TR	Thrinax radiata / Florida Thatch Palm
<u>GROUND COVERS</u>	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia chrueta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY	TOWN OF LONGBOAT KEY DEPARTMENT OF PUBLIC WORKS 600 GENERAL HARRIS STREET LONGBOAT KEY, FL., 34228	<div><div><div>dwja</div><div>LANDSCAPE ARCHITECTS</div><div>DAVID W. JOHNSTON ASSOCIATES</div><div>1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 555-3150</div></div></div>	DATE 05/09/19	CKD. BY	DATE	TOWN OF LONGBOAT KEY S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS LANDSCAPE PLAN (Median 2)	LANDSCAPE ARCHITECT OF RECORD PHILLIP J. SMITH, ASLA, FLA #1096 REGISTERED LANDSCAPE ARCHITECT	SHEET No. LD-16
						DRAWN KSR	JA	05/19			
						DESIGN PJS	PJS	05/19			
						SCALE NOTED	DWJA NO. 19-20				
<div>5</div> <div>7</div>	PER FINAL CIVIL REVIEW PER MEDIAN MODIFICATIONS	10/05/20 04/23/25	KSR PJS								

S.R. 789 (GULF OF MEXICO DR.)



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
PALMS	
TR	Thrinax radiata / Florida Thatch Palm
GROUND COVERS	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia cruenta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20		

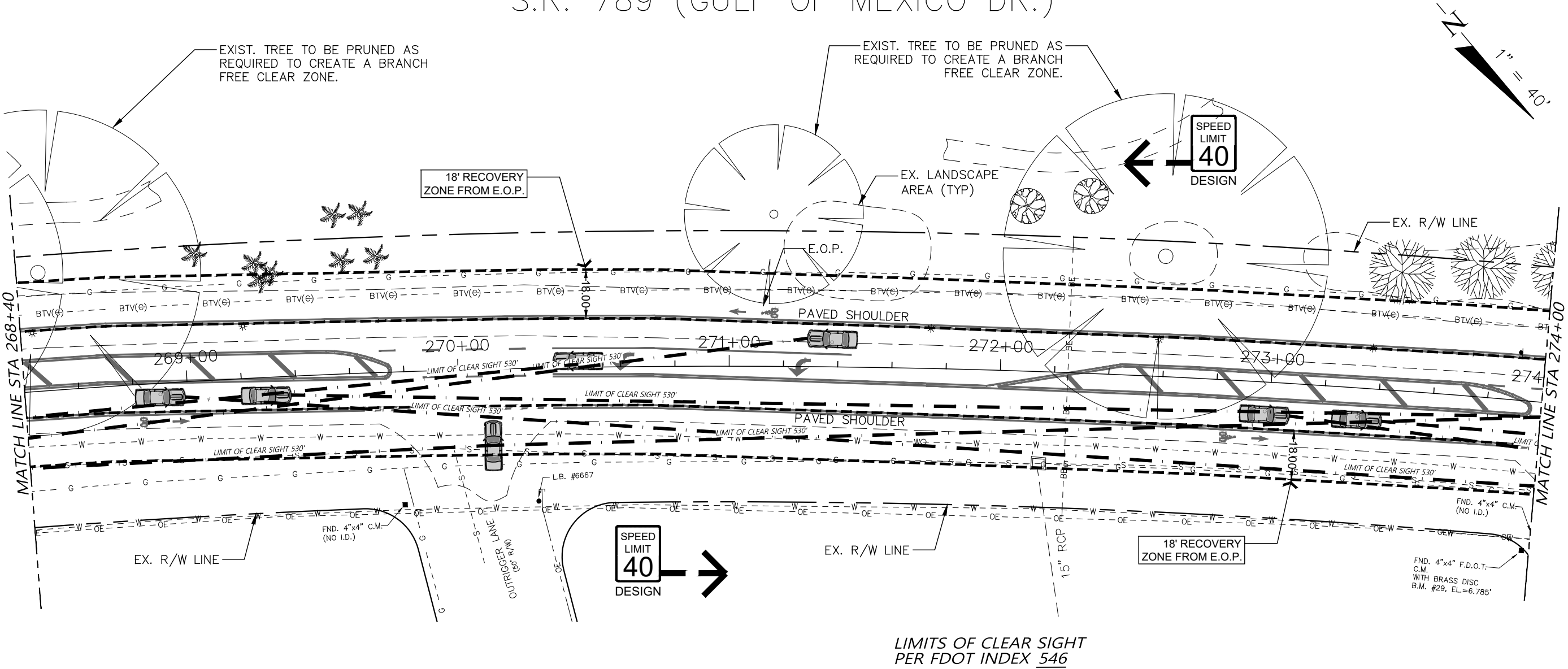
TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.

LD-17

S.R. 789 (GULF OF MEXICO DR.)



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
PALMS	
TR	Thrinax radiata / Florida Thatch Palm
GROUND COVERS	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia cruenta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

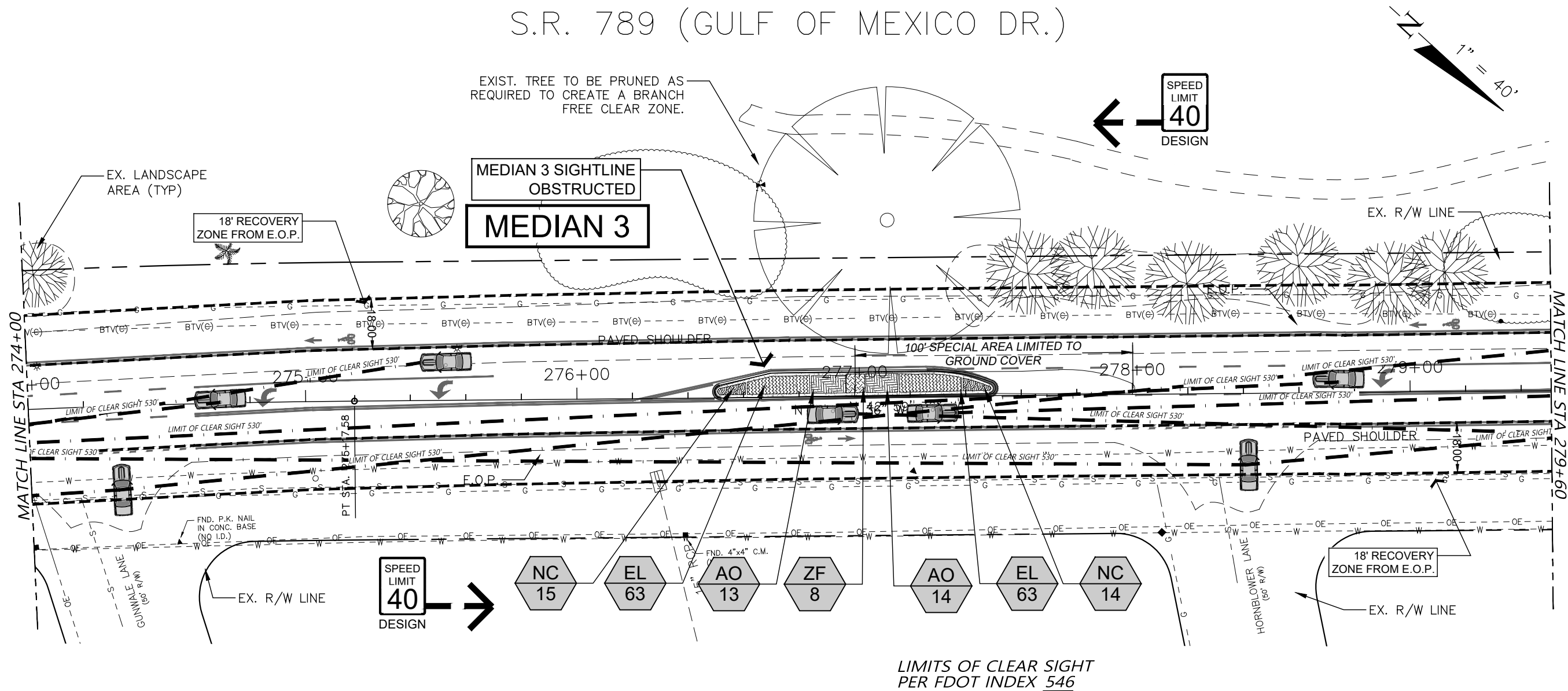
DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-18

S.R. 789 (GULF OF MEXICO DR.)



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
PALMS	
TR	Thrinax radiata / Florida Thatch Palm
GROUND COVERS	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia cruenta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

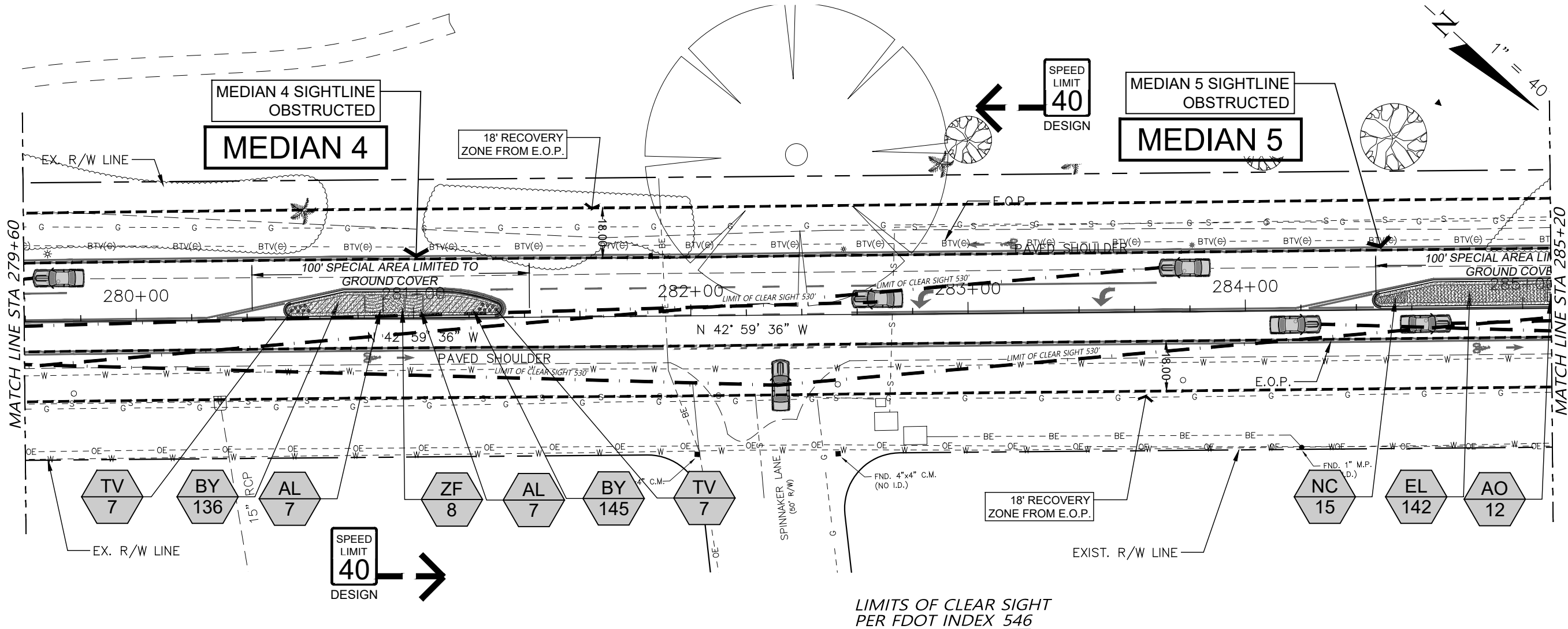
DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN (Median 3)

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-19

S.R. 789 (GULF OF MEXICO DR.)



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
PALMS	
TR	Thrinax radiata / Florida Thatch Palm
GROUND COVERS	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia cruenta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-6166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20		

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN (Medians 4 and 5)

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-20



<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>
-------------	--------------------------------

PALMS
TR *Thrinax radiata* / Florida Thatch Palm

GROUND COVERS
AL *Aechmea blanchetiana* 'Lime Green' / Lime Bromeliad
AO *Aechmea blanchetiana* 'Orangeade' / Orangeade Bromeliad
AR *Alcantarea imperialis* 'Rubra' / Rubra Imperial Bromeliad
BY *Bulbine frutescens* 'Yellow African' / Bulbine
EL *Ernodea littoralis* / Golden Creeper
MM Mulch / 3" Depth Recycled Melaleuca Mulch
NC *Neoregelia cruenta* 'Rubra' / Cruenta Bromeliad
ZF *Zamia floridana* / Coontie
TV *Tulbaghia violacea* / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 556-3150

DATE 05/09/19	CKD. BY	DATE
DRAWN KSR	JA	05/19
DESIGN PJS	PJS	05/19
SCALE NOTED	DWJA NO. 19-20	

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN (Median 5)

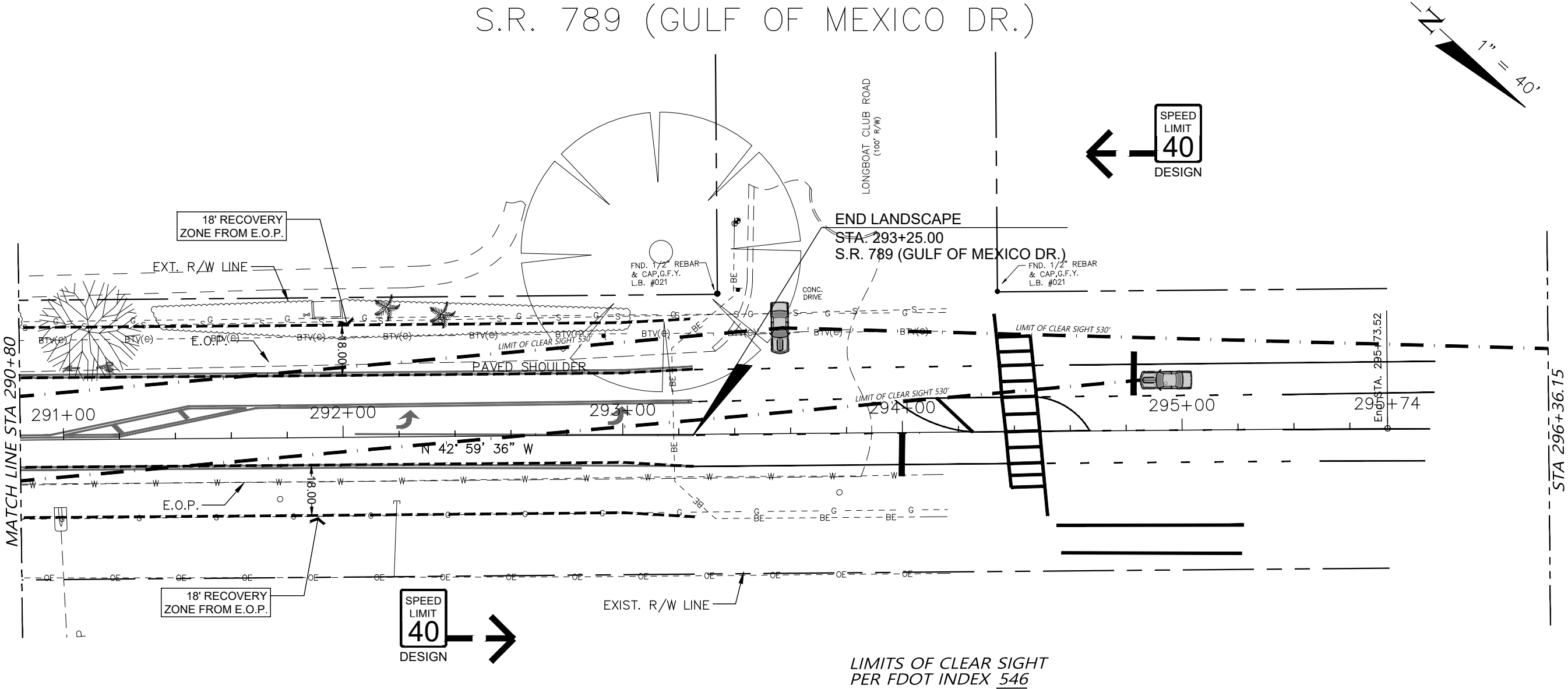
LANDSCAPE ARCHITECT OF RECORD

PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.

D-21

S.R. 789 (GULF OF MEXICO DR.)



PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME
PALMS	
TR	Thrinax radiata / Florida Thatch Palm
GROUND COVERS	
AL	Aechmea blanchetiana 'Lime Green' / Lime Bromeliad
AO	Aechmea blanchetiana 'Orangeade' / Orangeade Bromeliad
AR	Alcantarea imperialis 'Rubra' / Rubra Imperial Bromeliad
BY	Bulbine frutescens 'Yellow African' / Bulbine
EL	Ernodea littoralis / Golden Creeper
MM	Mulch / 3" Depth Recycled Melaleuca Mulch
NC	Neoregelia cruenta 'Rubra' / Cruenta Bromeliad
ZF	Zamia floridana / Coontie
TV	Tulbaghia violacea / Society Garlic

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-22

PLANTING TECHNICAL NOTES:

1. PLANT MATERIAL SUBSTITUTIONS WILL BE PERMITTED ONLY UPON SUBMISSION OF SUFFICIENT PROOF THAT ANY OF THE SPECIFIED PLANTS ARE NOT OBTAINABLE TO ENGINEER, IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT.
2. IN THE EVENT OF A CONFLICT BETWEEN QUANTITIES IN THE TABULATION OF QUANTITIES AND THE PLANS, THE PLANS SHALL CONTROL.
3. PROTECT EXISTING ROADS, SIDEWALKS, UTILITIES AND BUILDING STRUCTURES FROM DAMAGE. ALL DAMAGE SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE ENGINEER.
4. IF UNDERGROUND CONSTRUCTION, UTILITIES OR OBSTRUCTIONS ARE ENCOUNTERED DURING EXCAVATION OF PLANTING AREAS OR PITS, ALTERNATE LOCATIONS FOR THE PLANT MATERIALS WILL BE SELECTED BY THE ENGINEER AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT. SUCH CHANGES IN LOCATION SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.
5. THE LOCATION OF PLANT MATERIALS ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL TREES AND SHRUBS PRIOR TO DIGGING TREE PITS. PLANTING AREA LAYOUT SHALL BE GOVERNED BY THE DIMENSIONS GIVEN OR SCALED ON THE DRAWINGS AND PLANTS SPACED ACCORDING TO THE SPECIFIED SPACING ON PLANS. THE ENGINEER SHALL BE NOTIFIED AT LEAST 72 HOURS IN ADVANCE TO SCHEDULE A LAYOUT INSPECTION. ONE MODEL MEDIAN MUST BE COMPLETED IN IT'S ENTIRETY AND SHALL BE INSPECTED PRIOR TO CONTINUING THE PLANTING INSTALLATION.
6. ALL PLANT MATERIAL FOR THIS PROJECT SHALL BE INSPECTED EITHER AT THE PLACE OF GROWTH OR AT THE SUBCONTRACTOR'S HOLDING AREA FOR COMPLIANCE WITH THE MATERIALS QUALITY REQUIREMENTS PRIOR TO INSTALLATION. ALL PLANTS WILL BE TAGGED AT THIS TIME FOR DELIVERY TO THE PROJECT SITE. A WRITTEN TALLY SHEET OF THE INSPECTED AND TAGGED MATERIAL WILL BE PROVIDED TO THE ENGINEER. IN NO CASE SHALL UNTAGGED MATERIAL BE DELIVERED OR PLANTED BY THE CONTRACTOR. A SUBSEQUENT INSTALLATION INSPECTION SHALL BE PERFORMED BY THE ENGINEER TO VERIFY THAT NO UN-TAGGED MATERIAL WAS PLANTED OR HAS BEEN MECHANICALLY OR OTHERWISE INJURED IN THE DELIVERY OR HANDLING. ANY PLANT MATERIAL REJECTED AT THIS TIME SHALL BE REMOVED FROM THE PROJECT SITE. ALL REPLACEMENT MATERIALS SUPPLIED BY THE CONTRACTOR SHALL BE SUBJECT TO THE SAME INSPECTION PROCESS. MULCH AND FERTILIZER MATERIALS, SAMPLES AND SUBMITTALS SHALL BE SENT TO THE ENGINEER FOR PRE-APPROVAL. PRE-TAGGING DOES NOT ELIMINATE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUITABLE MATERIAL TO THE JOB AND MAINTAIN AS SUITABLE UNTIL FINAL ACCEPTANCE. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS TO HAVE ALL PLANT MATERIAL IN THE SIZES SPECIFIED AND FULLY ROOTED IN CONTAINERS AT THE TIMES REQUIRED FOR INSTALLATION. THE CONTRACTORS MAY CONTRACT GROW THE PLANT MATERIAL AND MAY RECEIVE NOT MORE THAN 40% OF THE BID PRICE ITEM AS PAYMENT FOR MATERIALS STOCKPILED PROVIDED THE MATERIAL IS PRE-TAGGED AND THE ABOVE REQUIREMENTS
7. THE CONTRACTOR SHALL, PRIOR TO LAYOUT AND EXCAVATING FOR ANY PLANTING AREA PER FLORIDA STATUTES 553.851, CALL THE UTILITY LOCATOR SERVICE 'SUNSHINE STATE ONE, (800) 432-4770. THIS CALL WILL BE PLACED A MINIMUM OF TWO (2) DAYS AND A MAXIMUM OF FIVE (5) DAYS BEFORE BEGINNING EXCAVATION. ANY LOCATIONAL CONFLICTS FOUND THROUGH THIS SERVICES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
8. INDIVIDUAL TREE LOCATIONS AND PLANTING BED OUTLINES WILL ALSO BE LAID OUT FOR INSPECTION BY THE ENGINEER PRIOR TO BEGINNING PLANTING CONSTRUCTION. INDIVIDUAL TREE INSTALLATIONS WILL BE INSPECTED BY THE ENGINEER FOR SOIL AMENDMENT VERIFICATION AND BACKFILLING TECHNIQUE. MULCHING, STAKING AND SITE CLEANUP WILL BE INSPECTED BY THE ENGINEER DURING SEMIFINAL INSPECTION. ALL PLANTING AREAS SHALL BE "DRESSED-OUT" AND THE TOTAL CONSTRUCTION SITE CLEANED PRIOR TO REQUESTING THIS INSPECTION. A REQUEST FOR THIS INSPECTION SHALL BE MADE BY THE CONTRACTOR TO THE ENGINEER AT LEAST 72 HOURS PRIOR TO THE ANTICIPATED DATE OF SUBSTANTIAL COMPLETION.
9. ALL PLANT EXCAVATIONS SHALL BE DUG AS DETAILED IN THE STANDARD F.D.O.T. PLANTING DETAILS. EACH HOLE SHALL BE BACKFILLED IN THIRDS WITH FERTILIZER TABLETS DISTRIBUTED IN THE TOP ONE-THIRD AND SPRINKLE A BIOLOGICALLY ACTIVE SOIL CONDITIONER THAT CONTAINS MYCHORRHIZAL FUNGI INCORPORATED UNIFORMLY IN THE TOP 1/3 OF BACKFILL. EACH LAYER OF BACKFILLING SHALL BE WATERED-IN AND ALLOWED TO SETTLE AROUND THE ROOTBALL. AFTER WATER IS ABSORBED. THE LAYERS SHALL BE TAMPED LIGHTLY TO COMPACT. NO BACKFILL IS TO COVER THE TOP OF THE ROOTBALL. WHEN WATERING-IN AND COMPACTION IS COMPLETED, THE CONTRACTOR SHALL CONSTRUCT AN EARTHEN SAUCER AS DETAILED IN THE PLANTING DETAILS. IF SETTTLING OCCURS, THE CONTRACTOR SHALL BRING UP THE SETTLED PLANTS TO FINISH GRADE.
10. FOR TREES AND SHRUBS, CONTROLLED RELEASE FERTILIZER TABLETS CONTAINING TWENTY PERCENT (20%) NITROGEN, TEN PERCENT (10%) PHOSPHOROUS AND FIVE PERCENT (5%) POTASSIUM IN TWENTY-ONE (21) GRAM SIZES AND SHALL BE APPLIED AT THE RATES GIVEN ON THESE PLANS.
11. DURING TREE AND PALM INSTALLATION, CONTRACTOR SHALL THOROUGHLY MIX A BIOLOGICALLY ACTIVE SOIL CONDITIONER INTO THE TOP 1/3 OF PREPARED SOIL BACKFILL. ACTIVE SOIL CONDITIONER SHALL CONTAIN LIVE SPORES OF ENDOMYCORRHIAL FUNGI, ABSORBENT HYDROGEL GRANULES AND PLANT EXTRACTS. ACTIVE SOIL CONDITIONER SHALL BE APPLIED AT THE RATES GIVEN ON THESE PLANS.
12. ALL PLANTS SHALL BE SET PLUMB (VERTICAL) AND THEIR BEST "FACE" ORIENTED FOR THE MOST DESIRED EFFECT - THAT IS, THE MOST ATTRACTIVE SIDE OF THE PLANT SHALL BE POSITIONED TO THE MAIN POINT OF VIEW.
13. AFTER PLANTING OPERATIONS ARE COMPLETE AND BEFORE MULCHING, THE CONTRACTOR SHALL FINISH GRADE ALL PLANTING BEDS, LEAVING THEM EVENLY SURFACED, FREE FROM DEPRESSIONS, DEBRIS, STONES, RUBBISH, ETC., TO RECEIVE MULCH. MEDIANS MUST BE CROWNED TO DRAIN, 1/4" PER FOOT FROM CENTER TO CURB TYPICAL UNLESS OTHERWISE NOTED.

PLANTING TECHNICAL NOTES CONTINUED NEXT SHEET.

21 GRAM TABLET							
1 GALLON CAN PLANTS	3 GALLON CAN PLANTS	5 GALLON CAN PLANTS	7 GALLON CAN PLANTS	LARGE TREES OR B & B TREES	MATURE PALMS	10 GRAM TABLET WELL ROOTED LINERS	10 GRAM TABLET SMALL GROUNDCOVERS OR PERENNIALS
1 TABLET	2 TABLETS	3 TABLETS	4 TABLETS	TREES: 5 TABLETS/EA. 1/2" OF CALIPER SHRUBS: 1 TABLET FOR EA. 1' OF HEIGHT	10 TABLETS PER PALM	1 TO 2 TABLETS EACH	1 TABLET EACH

NOTE: ALL PLANTINGS SHALL BE FERTILIZED WITH CONTROLLED RELEASE 20-10-15 PLANTING TABLETS AT THE TIME OF INSTALLATION AND PRIOR TO COMPLETION OF BACKFILLING. PLANTING TABLETS SHALL BE PLACED UNIFORMLY AROUND THE ROOT MASS AT THE DEPTH THAT IS BETWEEN THE MIDDLE AND THE BOTTOM OF THE ROOT MASS.

ENGINEER, IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT MAY MAKE A RANDOM SAMPLING OF PLANT PITS TO DETERMINE THE UNIFORMITY OF APPLICATION.

FERTILIZATION - TREES, SHRUBS AND GROUNDCOVERS

No.	REVISION	DATE	BY	TOWN OF LONGBOAT KEY DEPARTMENT OF PUBLIC WORKS 600 GENERAL HARRIS STREET LONGBOAT KEY, FL., 34228	<div> LANDSCAPE ARCHITECTS DAVID W. JOHNSTON ASSOCIATES 1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 556-3156</div>	DATE 05/09/19	CKD. BY	DATE	TOWN OF LONGBOAT KEY S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS LANDSCAPE DETAILS	LANDSCAPE ARCHITECT OF RECORD PHILLIP J. SMITH, ASLA, RLA #1096 REGISTERED LANDSCAPE ARCHITECT	SHEET No. LD-23
						DRAWN KSR	JA	05/19			
						DESIGN PJS	PJS	05/19			
						SCALE NOTED	DWJA NO.	19-20			
5	PER FINAL CIVIL REVIEW	10/05/20	KSR								
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS								

PLANTING TECHNICAL NOTES:

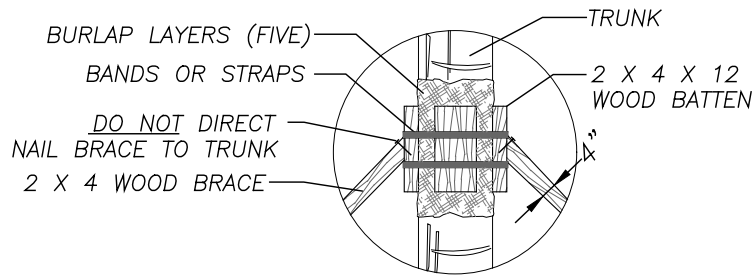
14. BEFORE SODDING OPERATIONS BEGIN, THE CONTRACTOR SHALL FINISH GRADE ALL AREAS TO RECEIVE SOD, LEAVING THEM EVENLY SURFACED, FREE FROM DEPRESSIONS, DEBRIS, STONES, RUBBISH, ETC., AND AT 2" BELOW SURROUNDING SIDEWALKS AND CURBS TO RECEIVE SOD. ALL SOD SHALL BE SAND-GROWN, DENSE, WEED-FREE AND WELL-ROOTED. IT SHALL BE COMPOSED OF ONE HUNDRED PERCENT (100%) TURF GRASS AS SPECIFIED. NO SOD DELIVERED TO THE JOB SITE SHALL REMAIN UNPLANTED FOR MORE THAN 48 HOURS. ALL SODDED AREAS ARE TO BE ROLLED. ALL SODDED EMBANKMENTS ARE TO HAVE EVERY THIRD ROW PEGGED/PINNED. ALL SOD IS TO BE LAID WITH JOINTS STAGGERED. ALL SODDED AREAS ARE TO BE IMMEDIATELY HAND-WATERED-IN AND TO RECEIVE WATERING UNTIL FINAL ACCEPTANCE AT THE RATE PRESCRIBED IN THESE CONTRACT DOCUMENTS. ALL SODDED AREAS SHALL BE TOP DRESSED WITH 16-4-8 FERTILIZER. ALL SOD MATERIALS AND WORKMANSHIP IS SUBJECT TO REJECTION IF NOT INSTALLED PER THESE TECHNICAL SPECIFICATIONS, STANDARD F.D.O.T. SPECIFICATIONS AND THE TECHNICAL MAINTENANCE PLAN.
15. SURPLUS EXCAVATED MATERIAL FROM PLANT HOLES SHALL BE REMOVED FROM SITE DAILY. ALL DEBRIS AND OBJECTIONABLE MATERIAL SHALL BE REMOVED FROM SITE DAILY. ALL REMOVED MATERIAL SHALL BE DISPOSED OF IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR, AS A RESULT OF CONSTRUCTION OPERATIONS, WILL REMOVE ANY SOILS DEPOSITED IN ROADWAY ON A DAILY BASIS AND SWEEP THE ROAD CLEAN AFTER REMOVAL.
16. ALL PLANTS AND SOD AREAS NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE ESTABLISHMENT PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN TEN (10) CALENDAR DAYS AFTER WRITTEN NOTICE.
17. NO LATER THAN ONE (1) MONTH AFTER THE DATE OF SEMIFINAL INSPECTION FOR THE PROJECT THE CONTRACTOR SHALL FURNISH TO THE ENGINEER "AS-BUILT" PLANTING PLANS/DETAILS, SHOWING IN RED LINES, ANY AND ALL APPROVED CHANGES MADE TO THE PLANTING DURING THE PROJECT'S CONSTRUCTION FOR DISTRIBUTION TO THE PROJECT ENGINEER. TWO (2) SETS OF APPROVED DRAWINGS WILL BE FURNISHED TO THE CONTRACTOR FOR THIS PURPOSE AT THE PRE-CONSTRUCTION CONFERENCE.
18. CONTRACTOR SHALL BE FULLY AWARE OF ALL REQUIREMENTS AS SPECIFIED IN THE TECHNICAL MAINTENANCE PLAN.

EROSION CONTROL NOTES:

1. ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
2. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE DONE TO THE EXTENT EXPRESSED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN THE ROADWAY PLANS.
3. IF THE PRIME CONTRACTOR HAS REMOVED EROSION CONTROL DEVICES DUE TO COMPLETION OF WORK, NEW EROSION CONTROL DEVICES MUST BE INSTALLED BY THE LANDSCAPE CONTRACTOR TO THE EXTENT EXPRESSED IN THE STORMWATER POLLUTION PLAN (SWPPP) IN THE ROADWAY PLANS.

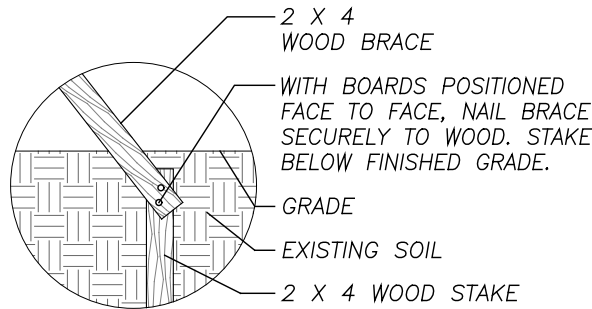
NOTE: WHERE NOTED IN THESE PLANS PER SPECIFICATION AND IMPLEMENTATION, THE WORD "ENGINEER" SHALL SIMILARLY MEAN LANDSCAPE ARCHITECT OR AUTHORIZED PERSON FROM THE TOWN OF LONGBOAT KEY

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						DRAWN KSR	JA	05/19			
						DESIGN PJS	PJS	05/19			
Δ 5	PER FINAL CIVIL REVIEW	10/05/20	KSR			SCALE NOTED	DWJA NO. 19-20				
Δ 7	PER MEDIAN MODIFICATIONS	04/23/25	RJS								



WOOD BATTEN DETAIL

NOT TO SCALE



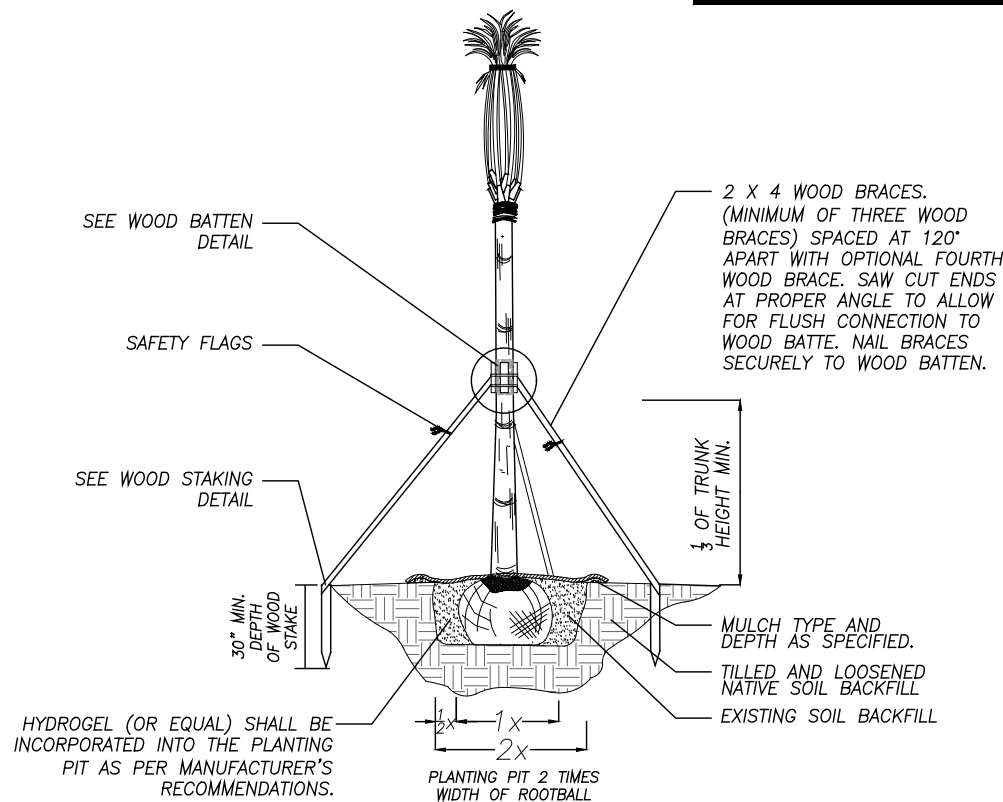
NOTE: STAKE INTO FIRM, EXISTING SOIL.

WOOD STAKING DETAIL

NOT TO SCALE

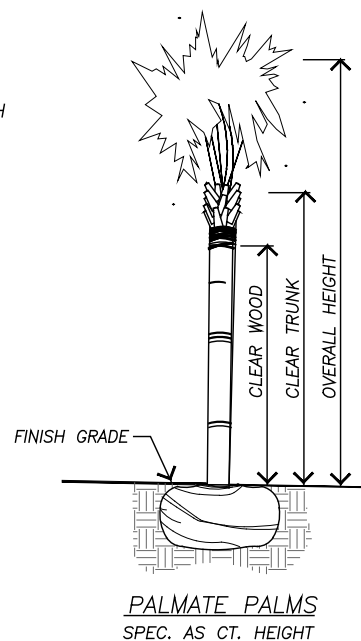
MULCHING OPERATIONS

NOTE:
MULCH SHALL NOT BE PLACED WITHIN 6" OF THE RADIUS OF ANY WOODY PLANT STEM. NO EXCEPTIONS.



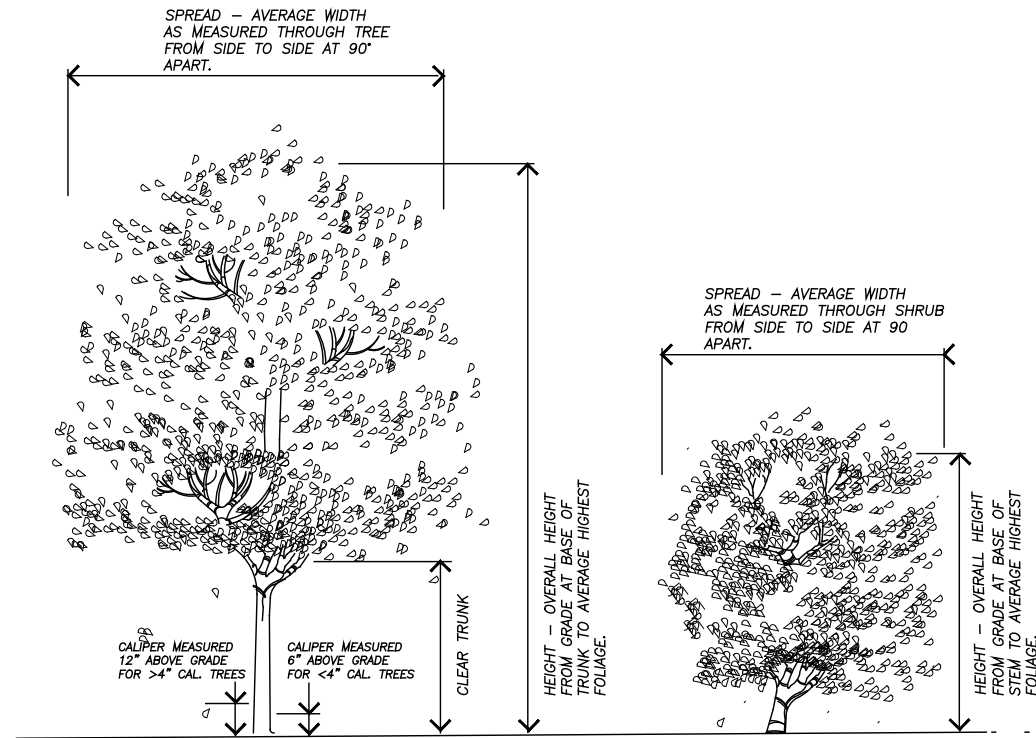
PALM PLANTING AND STAKING DETAIL

NOT TO SCALE



PALM SIZING SPECIFICATIONS

NOT TO SCALE



EXAMPLE: HEIGHT x SPREAD - CALIPER

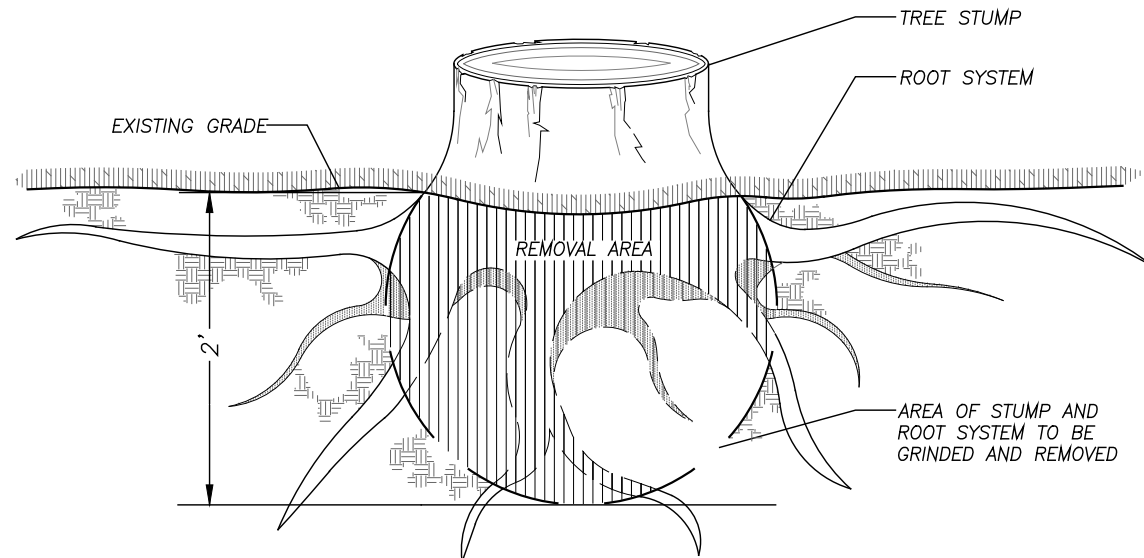
TREES WITH SHARP "V" SHAPED BRANCHING AT THE TRUNK SHALL NOT BE ACCEPTED.

REFER TO SPECIFICATIONS FOR OTHER NOMENCLATURE, ABBREVIATIONS AND QUALITY REQUIREMENTS.

EXAMPLE: HEIGHT x SPREAD

TREE AND SHRUB SIZING SPECIFICATION

NOT TO SCALE



CONTRACTOR IS TO GRIND THE STUMP TO A 24 INCH DEPTH (2 FEET) BELOW THE EXISTING GRADE OR AS THE EXISTING CONDITIONS PERMIT. CONTRACTOR IS TO DISCUSS WITH THE LANDSCAPE ARCHITECT OR TOWN OF LONGBOAT KEY OFFICIAL PRIOR TO GRINDING THE EXTENT AROUND THE STUMP FOR THE ROOTS TO REMAIN OR BE REMOVED. THE EXCAVATION HOLE SHALL BE CLEANED OUT COMPLETELY AND BACKFILLED WITH CLEAN BUILDERS SAND.

STUMP REMOVAL DETAIL

NOT TO SCALE

- IMPORTANT NOTE:**
ALL TREES, PALMS AND B&B MATERIAL SHALL BE PLANTED AS FOLLOWS:
1. DIG HOLE.
 2. SPRINKLE HYDROGEL EVENLY OVER BACKFILL SOIL NEXT TO HOLE SO THAT IT WILL THOROUGHLY MIX WITH SOIL DURING BACKFILLING OPERATIONS. ALL APPLICATIONS SHALL BE PER MFG. RECOMMENDATIONS.
 3. BACKFILL WITH 4" OF EXISTING SOIL AND PREPARE SHELF FOR ROOTBALL TO SET ONTO.
 4. PLACE ROOTBALL IN HOLE AND STRAIGHTEN TREE.
 5. BACKFILL 25% OF DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE STRAIGHTENED TREE.
 6. BACKFILL TO 50% DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE STRAIGHTENED TREE.
 7. BACKFILL TO 75% DEPTH. WATER AND TAMP IN WHILE MAINTAINING THE STRAIGHTENED TREE.
 8. BACKFILL THE REST AND THOROUGHLY WATER IN TREE MAKING SURE THE TRUNK IS DIRECTLY PERPENDICULAR TO THE FINISHED GRADE.

NOTE:
ANY DEVIATION FROM THE ABOVE PROCESS WILL NOT BE CONSIDERED AS PER INDUSTRY STANDARDS AND WILL BE CAUSE FOR REJECTION OF THE WORK.

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TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

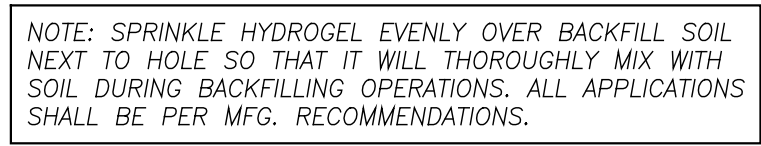
dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

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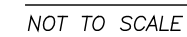
TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
LANDSCAPE DETAILS

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-25

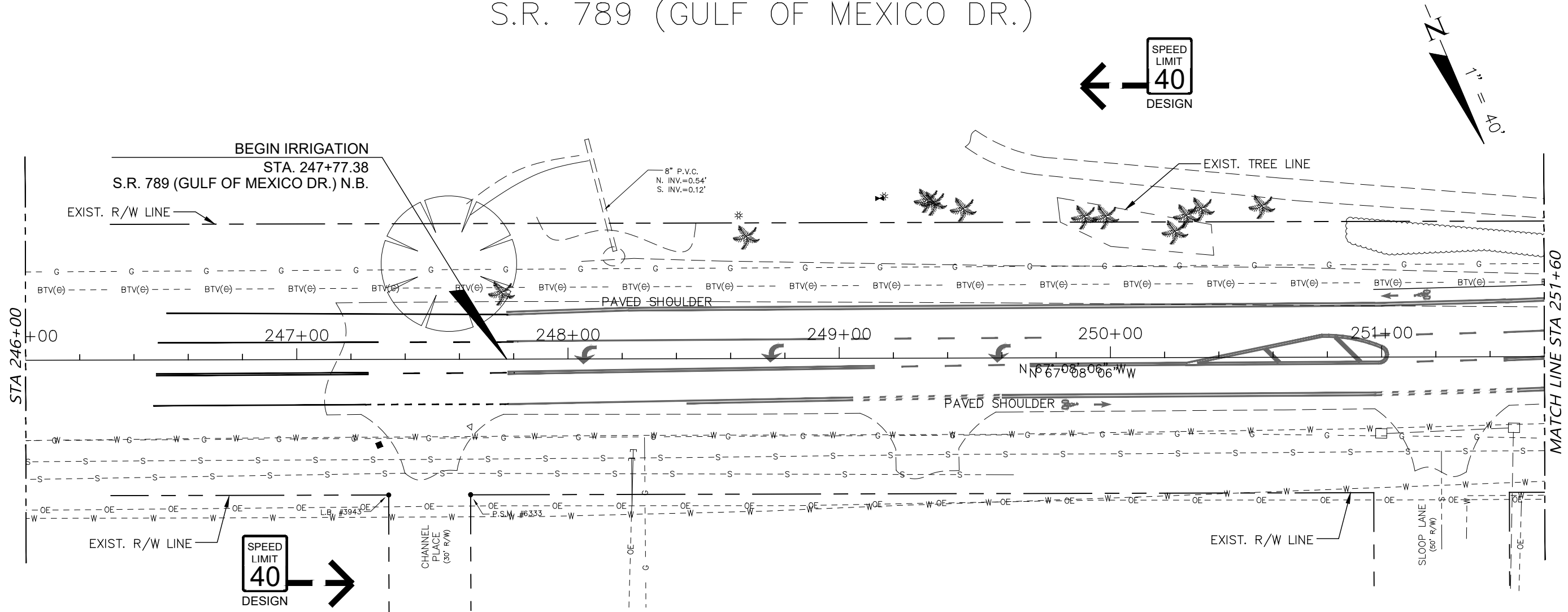


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					DRAWN KSR	JA	05/19			
					DESIGN PJS	PJS	05/19			
					SCALE NOTED	DWJA NO. 19-20				
5	PER FINAL CIVIL REVIEW	10/05/20	KSR							
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S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PCB Flood Bubbler, 1/2" FIPT.		Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
	Area to Receive Dripline Hunter HDL-06-18-R HDL-06-18-R: Hunter Dripline with 0.6 GPH flow. Light brown tubing with purple striping. Emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.		Water Meter 1" / Backflow 1"
	Hunter PGV-101A 1" Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT Inlet/Outlet. Angle Configuration, With Flow Control.		Irrigation Lateral Line: PVC Class 160 SDR 26
			Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 36 inches beyond edges of paving or construction.
			Valve Callout
			Valve Number
			Valve Flow
			Valve Size

NOTE:
IRRIGATION IS SCHEMATIC ONLY. LOCATE IRRIGATION
PIPING, VALVES, CONTROLLERS AND EQUIPMENT
WITHIN LANDSCAPE AREAS IN MEDIANS AND WITHIN
PROPERTY BOUNDARY.

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TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

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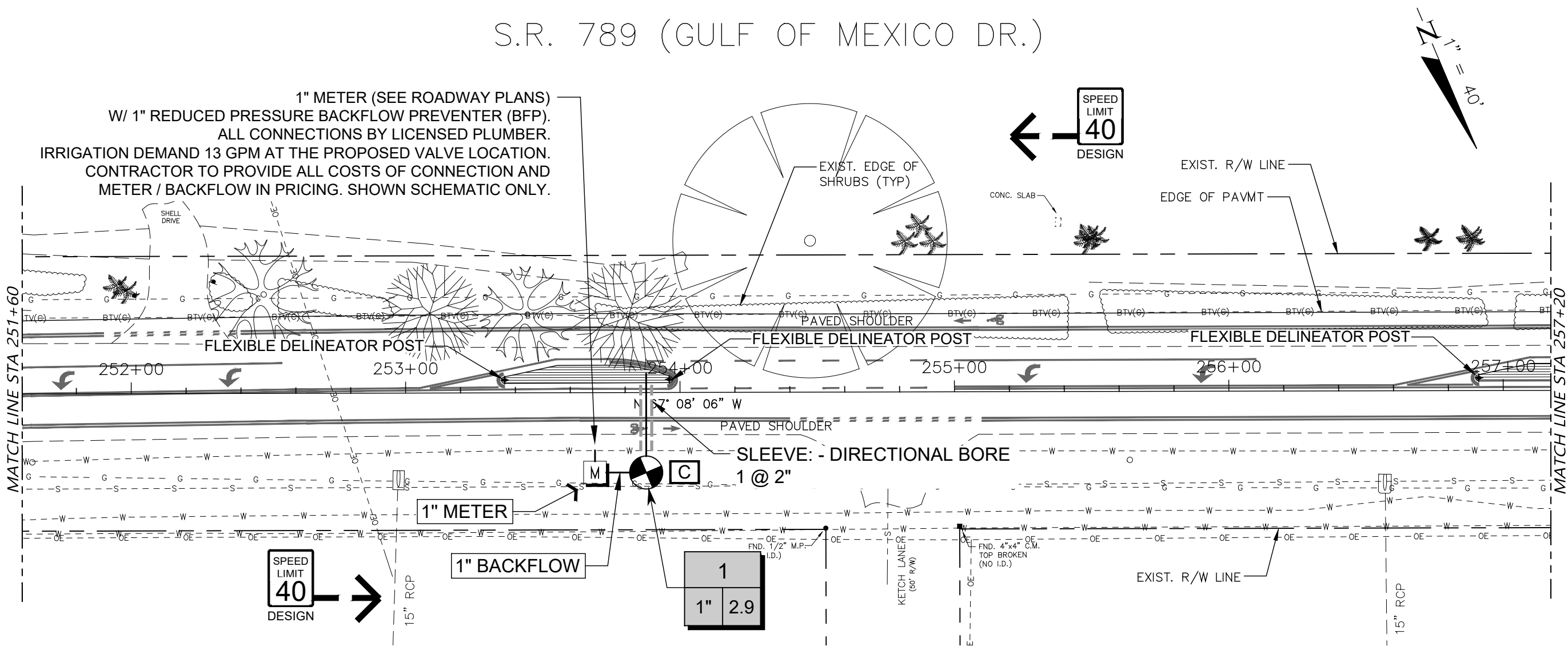
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TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-27

S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PCB Flood Bubbler, 1/2" FIPT.		Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
	Area to Receive Dripline Hunter HDL-06-18-R HDL-06-18-R: Hunter Dripline with 0.6 GPH flow. Light brown tubing with purple striping. Emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.		Water Meter 1" / Backflow 1"
	Hunter PGV-101A 1" Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT Inlet/Outlet. Angle Configuration, With Flow Control.		Irrigation Lateral Line: PVC Class 160 SDR 26
			Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 36 inches beyond edges of paving or construction.
			Valve Callout # Valve Number # Valve Flow # Valve Size

NOTE:
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PIPING, VALVES, CONTROLLERS AND EQUIPMENT
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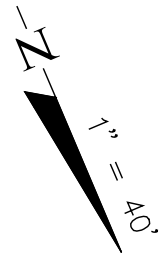
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TOWN OF LONGBOAT KEY
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IRRIGATION PLAN

LANDSCAPE ARCHITECT OF RECORD
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REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-28

A diagram of a speed limit sign. The sign is rectangular with a black border. Inside, the text "SPEED LIMIT" is at the top, "40" is in the center, and "DESIGN" is at the bottom. A black arrow points from the left towards the sign.



SYMBOL

C Hunter NODE-100
Single Station Controller, Outdoor, Battery Powered.
DC Latching Solenoid Included.

W Water Meter 1" / Backflow 1"

U Irrigation Lateral Line: PVC Class 160 SDR 26

U Pipe Sleeve: PVC Schedule 40
Typical pipe sleeve for irrigation piping. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 36 inches beyond edges of paving or construction.

Valve Callout

Valve Number

Valve Flow

Valve Size

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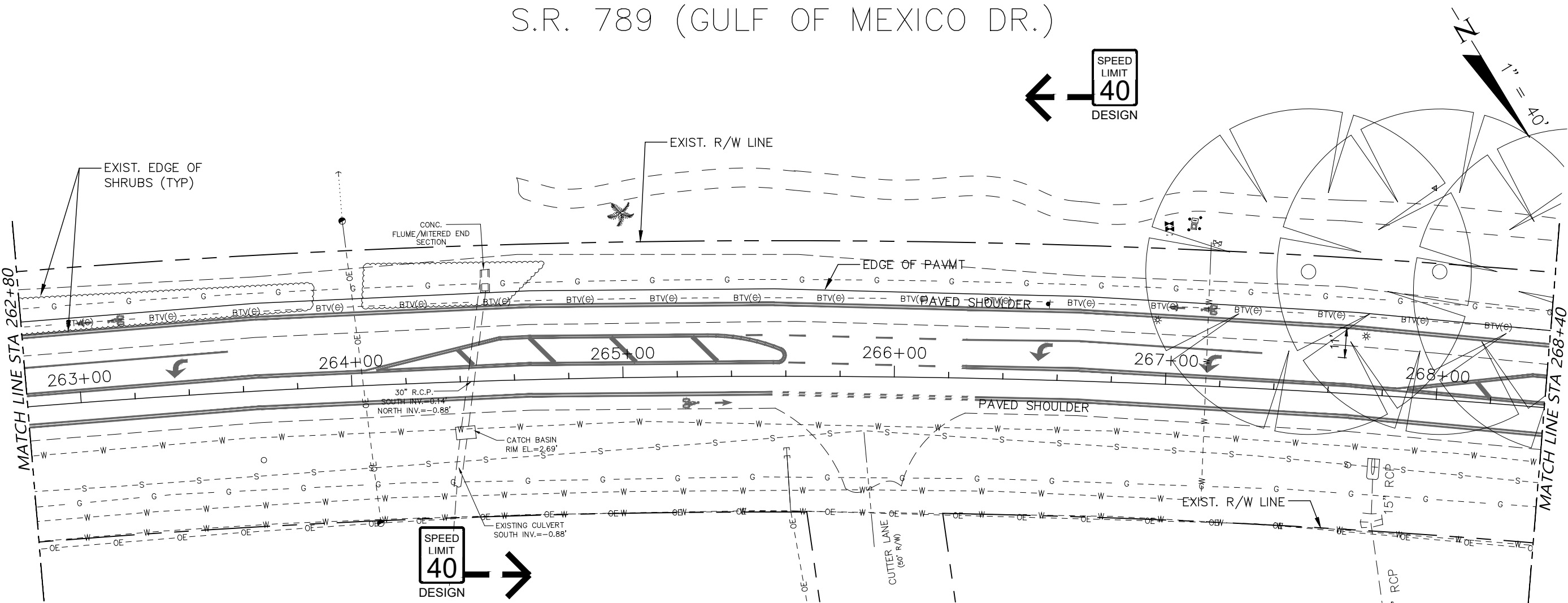
dwja
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TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN

SHEET No.

D-29

S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PCB Flood Bubbler, 1/2" FIPT.		Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
	Area to Receive Dripline Hunter HDL-06-18-R HDL-06-18-R: Hunter Dripline with 0.6 GPH flow. Light brown tubing with purple striping. Emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.		Water Meter 1" / Backflow 1"
	Hunter PGV-101A 1" Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT Inlet/Outlet. Angle Configuration, With Flow Control.		Irrigation Lateral Line: PVC Class 160 SDR 26
			Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 36 inches beyond edges of paving or construction.
			Valve Callout
			Valve Number
			Valve Flow
			Valve Size

NOTE:
IRRIGATION IS SCHEMATIC ONLY. LOCATE IRRIGATION
PIPING, VALVES, CONTROLLERS AND EQUIPMENT
WITHIN LANDSCAPE AREAS IN MEDIANS AND WITHIN
PROPERTY BOUNDARY.

No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

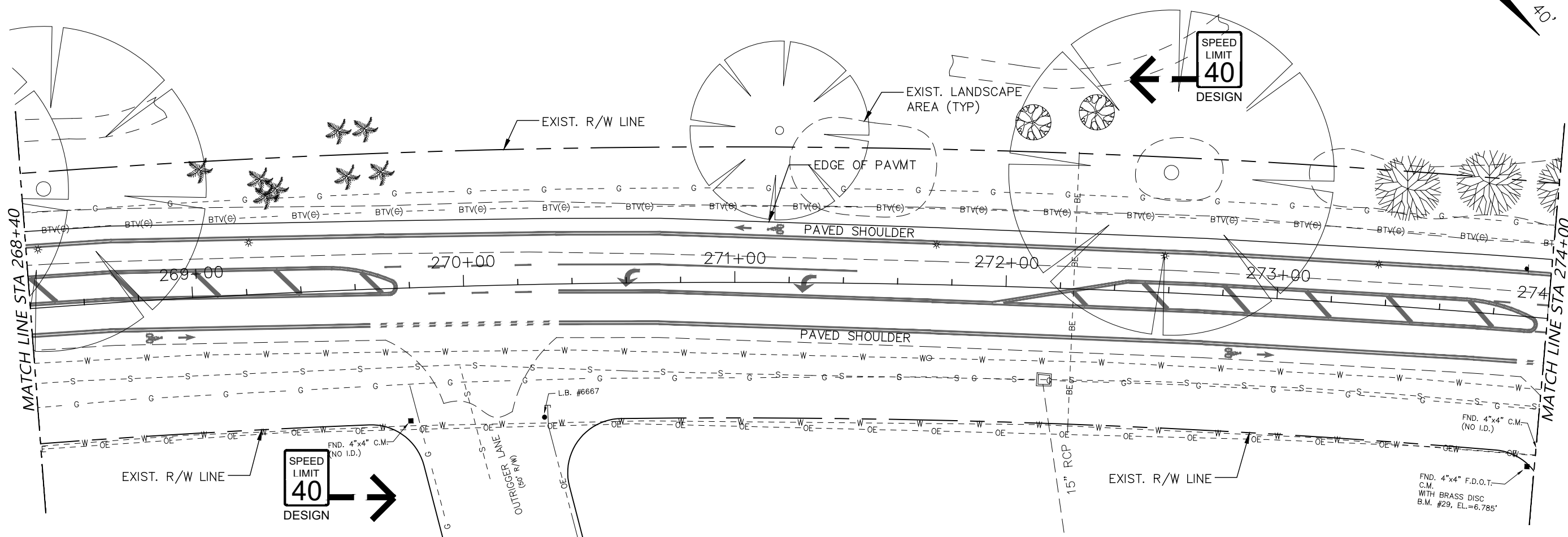
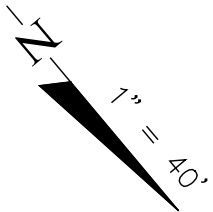
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DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-30

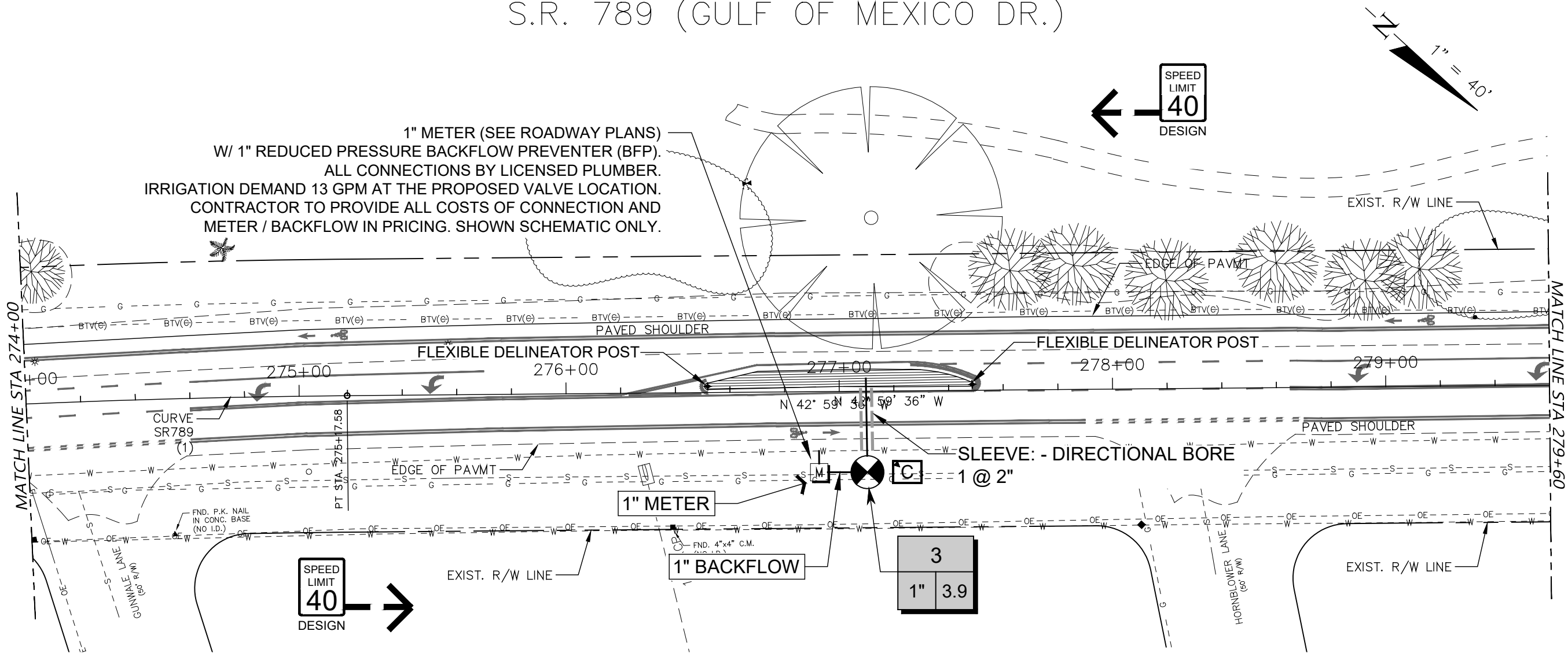
S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE			
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	Area to Receive Dripline Hunter HDL-06-18-R HDL-06-18-R: Hunter Dripline with 0.6 GPH flow. Light brown tubing with purple striping. Emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.		Water Meter 1" / Backflow 1"
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PIPING, VALVES, CONTROLLERS AND EQUIPMENT
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PROPERTY BOUNDARY.

S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
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No.	REVISION	DATE	BY
5	PER FINAL CIVIL REVIEW	10/05/20	KSR
7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

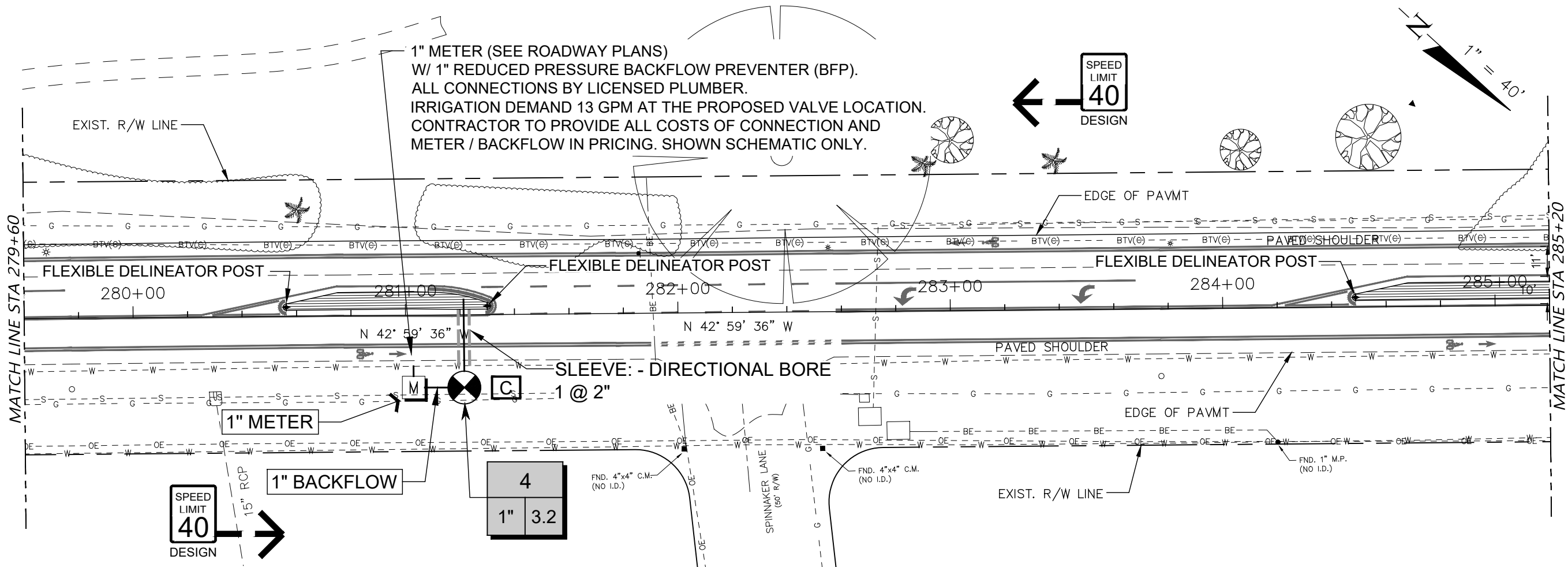
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DRAWN	KSR	JA	05/19
DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN








LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-32

S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PCB Flood Bubbler, 1/2" FIPT.		Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
	Area to Receive Dripline Hunter HDL-06-18-R HDL-06-18-R: Hunter Dripline with 0.6 GPH flow. Light brown tubing with purple striping. Emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. Install with Hunter PLD barbed or PLD-LOC fittings.		Water Meter 1" / Backflow 1"
	Hunter PGV-101A 1" Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT Inlet/Outlet. Angle Configuration, With Flow Control.		Irrigation Lateral Line: PVC Class 160 SDR 26
			Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 36 inches beyond edges of paving or construction.
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TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

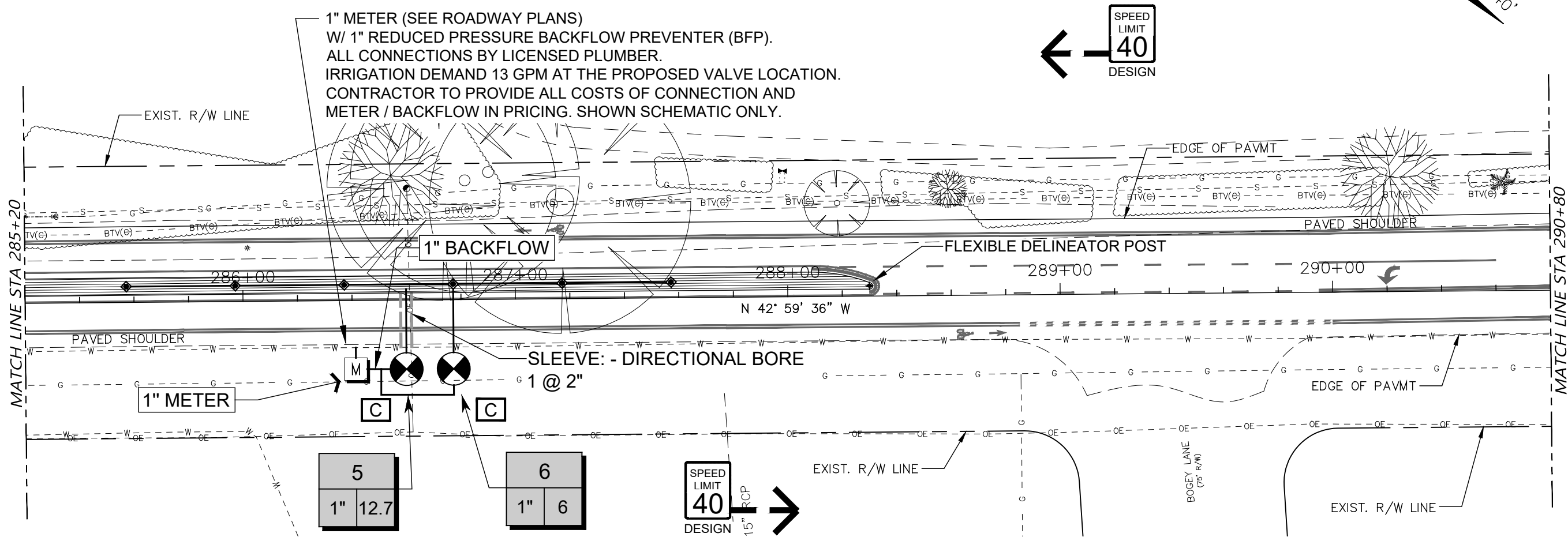
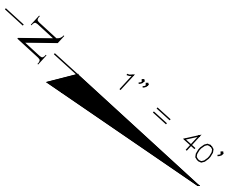
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DESIGN	PJS	PJS	05/19
SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-33

S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
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TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja
LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

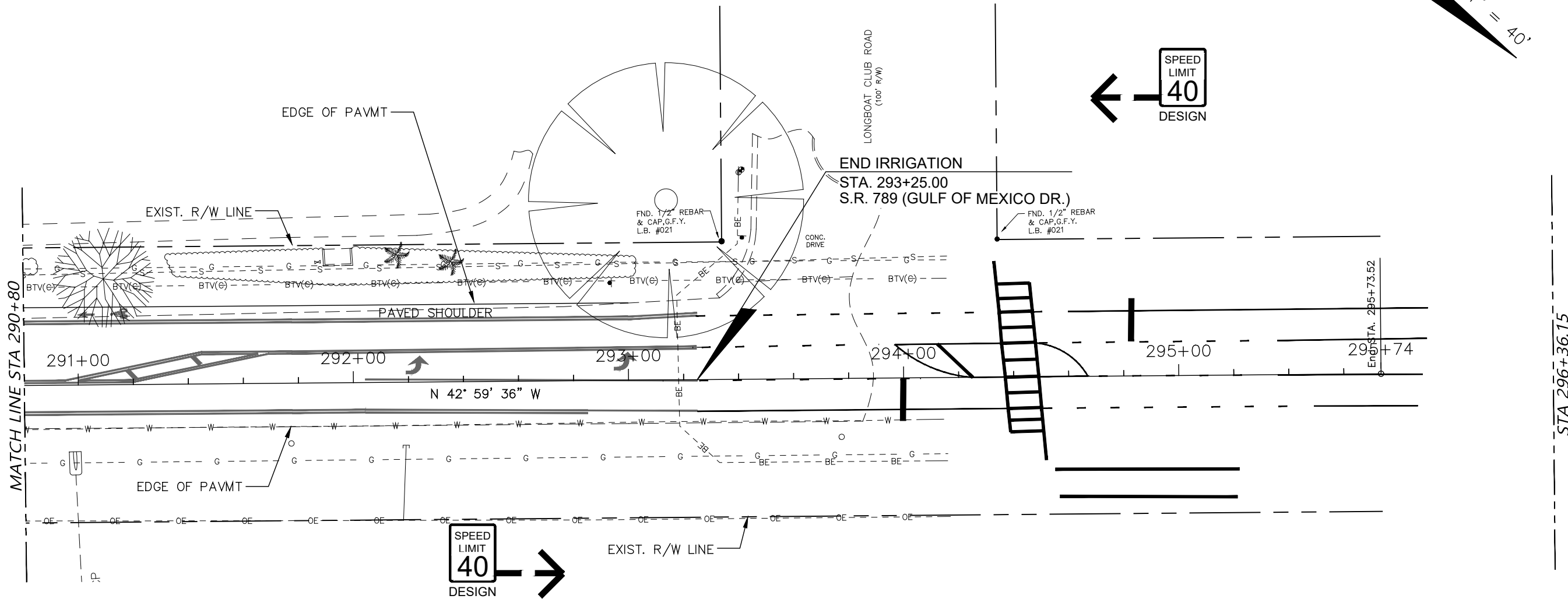
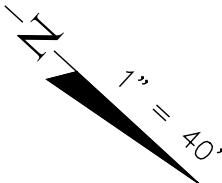
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TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN








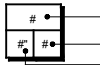
LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

SHEET No.
LD-34

S.R. 789 (GULF OF MEXICO DR.)



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Hunter PCB Flood Bubbler, 1/2" FIPT.		Hunter NODE-100 Single Station Controller, Outdoor, Battery Powered. DC Latching Solenoid Included.
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No.	REVISION	DATE	BY
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7	PER MEDIAN MODIFICATIONS	04/23/25	PJS

TOWN OF LONGBOAT KEY
DEPARTMENT OF PUBLIC WORKS
600 GENERAL HARRIS STREET
LONGBOAT KEY, FL., 34228

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 966-5166

DATE	05/09/19	CKD. BY	DATE
DRAWN	KSR	JA	05/19
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SCALE	NOTED	DWJA NO.	19-20

TOWN OF LONGBOAT KEY
S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS
IRRIGATION PLAN

LANDSCAPE ARCHITECT OF RECORD
PHILLIP J. SMITH, ASLA, RLA #1096
REGISTERED LANDSCAPE ARCHITECT

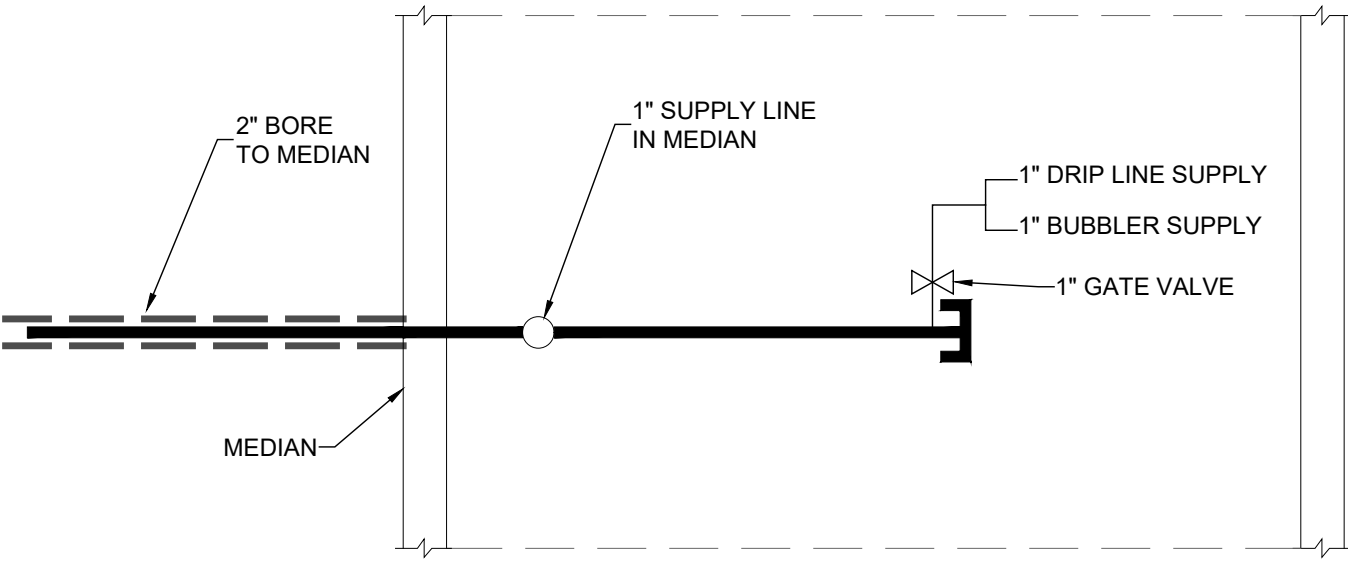
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LD-35



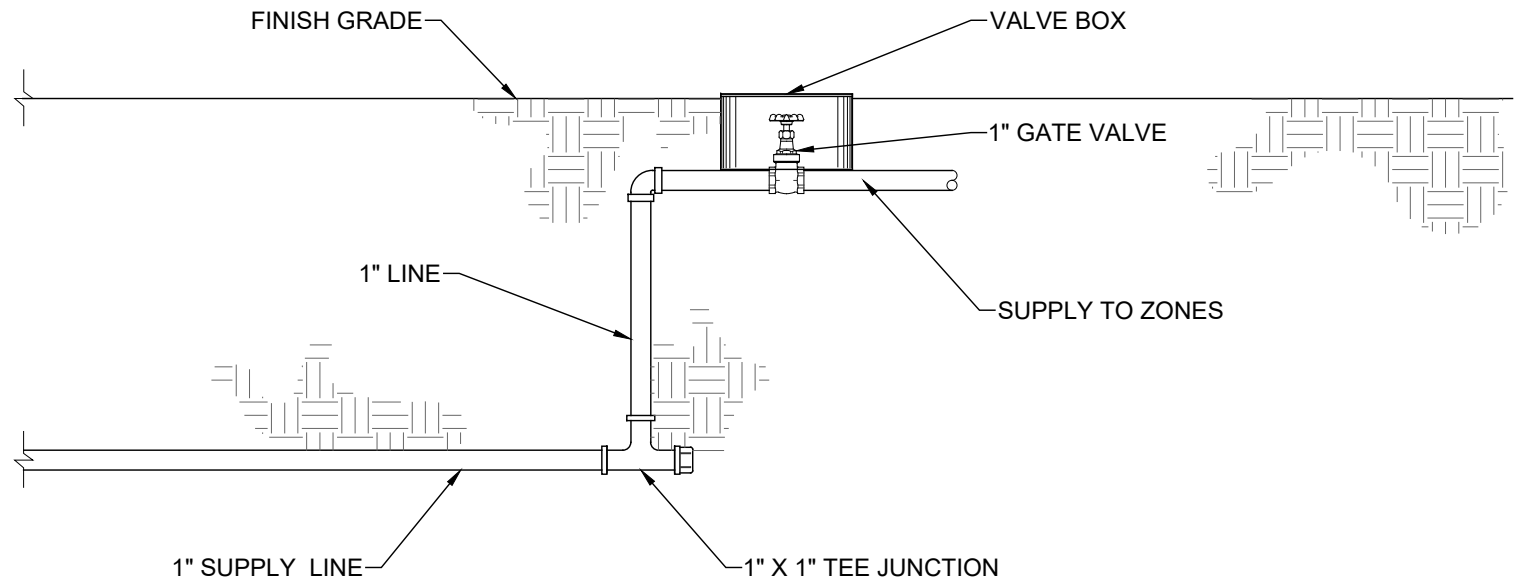
3 TREE BUBBLER
N.T.S.



No.	REVISION	DATE	BY	TOWN OF LONGBOAT KEY DEPARTMENT OF PUBLIC WORKS 600 GENERAL HARRIS STREET LONGBOAT KEY, FL., 34228	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div>LANDSCAPE ARCHITECTS</div><div>DAVID W. JOHNSTON ASSOCIATES</div><div>1717 SECOND STREET, SUITE A • SARASOTA, FL 34236 • (941) 555-3155</div></div></div>	DATE 05/09/19	CKD. BY	DATE	TOWN OF LONGBOAT KEY S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS IRRIGATION DETAILS	LANDSCAPE ARCHITECT OF RECORD PHILLIP J. SMITH, ASLA, RLA #1096 REGISTERED LANDSCAPE ARCHITECT	SHEET No. LD-36
						DRAWN KSR	JA	05/19			
						DESIGN PJS	PJS	05/19			
						SCALE NOTED	DWJA NO. 19-20				
5	PER FINAL CIVIL REVIEW	10/05/20	KSR								
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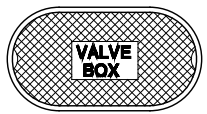


7 SUPPLY LINE PLAN VIEW
N.T.S.

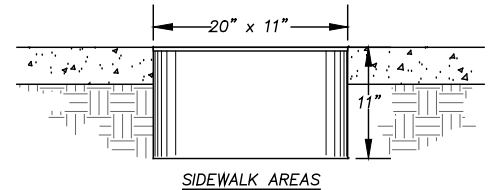


8 SUPPLY LINE SECTION VIEW
N.T.S.

ANY SPECIFICATIONS WHICH INCLUDE PARTICULAR NAME-BRAND PRODUCTS MAY BE SUBSTITUTED WITH EQUAL PRODUCTS, IF APPROVED BY THE LANDSCAPE ARCHITECT AND THE TOWN OF LONGBOAT KEY PRIOR TO ORDERING.



CAST IRON BOX—RUSSELL FOUNDRY "ROME" OR BINGHAM AND TAYLOR OR AN APPROVED EQUAL IRRIGATION VALVE BOX. SET BOX FLUSH WITH SLOPE OF SIDEWALKS.



9 IRRIGATION VALVE BOX IN CONCRETE AREAS
N.T.S.

FLOW RANGE	MINIMUM PIPE SIZE
1 TO 6 GPM	3/4"
7 TO 10 GPM	3/4"
11 TO 20 GPM	1"
21 TO 30 GPM	1-1/4"
31 TO 40 GPM	1-1/2"
41 TO 60 GPM	2"
61 TO 90 GPM	2-1/2"
91 TO 130 GPM	3"

PIPE SIZES ILLUSTRATED IN THE ABOVE CHART ARE MINIMUM ACCEPTABLE SIZES. CONTRACTOR SHALL FIELD SIZE ALL LATERAL PIPING TO KEEP ALL FRICTION LOSS VELOCITIES BELOW 5.0 DURING NORMAL OPERATION

10 TYPICAL LATERAL PIPE SIZING REQUIREMENTS
N.T.S.

IRRIGATION NOTES:

ALL HEAD LAYOUT HAS BEEN DESIGNED TO PROVIDE SATURATION COVERAGE . ANY CHANGES MADE IN HEAD LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

ALL SOLENOID VALVES, SURGE PROTECTORS, QUICK COUPLERS AND ISOLATION VALVES SHALL BE LOCATED WITHIN A NDS OR CARSON PLASTICS OR AN APPROVED EQUAL 11” x 17” SPECIFICATION GRADE VALVE BOXES. SPLICES ARE NEVER ALLOWED WITH THE EXCEPTION OF THE SOLENOID VALVES, SURGE PROTECTORS OR THE POINT OF CONNECTION TO THE CONTROLLER.

THE CONTRACTOR IS CAUTIONED TO BE AWARE OF UNDERGROUND UTILITIES. PRIOR TO EXCAVATION AND INSTALLATION OF IRRIGATION SYSTEM CONTRACTOR SHALL CHECK WITH THE JOB SUPERINTENDENT, SUNSHINE STATE ONE AND TOWN OF LONGBOAT KEY FOR LOCATION OF ALL UTILITIES A MINIMUM OF 48 HOURS BEFORE BEGINNING WORK. MAIN LINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE ENGINEER, IN CONJUNCTION WITH THE PROJECT CONSTRUCTION MANAGER.

ALL PRESSURIZED MAIN LINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

SLEEVES AS SHOWN ON PLANS SHALL BE INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

MAIN LINE AND VALVES ARE SHOWN IN SCHEMATIC FORM. LOCATE AS NOTED ON PLANS. CLUSTER VALVES AS SHOWN, AND TO THE EXTENT POSSIBLE, LOCATE VALVES WITHIN PLANTING AREAS RATHER THAN TURF AREAS. ALL MAINLINE SHALL BE RUBBER GASKETED EXCEPT UNDER PAVEMENT WHERE IT SHALL BE CLASS 200 SOLVENT WELD PIPE.

LOCATE ALL VALVES MINIMUM 5’– 0” FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.

PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAIN LINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE.

ALL UNSIZED PIPE SHALL BE 3/4” UNLESS OTHERWISE NOTED.

NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1” HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL QUICK COUPLER VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION ”QC”. LETTER OUTSIDE OF TIMECLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM THE DECODERS SHALL BE PROGRAMMED TO THE CORRESPONDING STATIONS ON THE IRRIGATION CONTROLLER AS PER THE IRRIGATION PROGRAM.

INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE. CONSTRUCTION SCHEDULES SHOULD BE SYNCHRONIZED BETWEEN ALL PARTIES.

CONTRACTORS ARE ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.

NO LATER THAN ONE (1) MONTH AFTER THE DATE OF SEMIFINAL INSPECTION FOR THE PROJECT OR AFTER ACCEPTANCE OF THE IRRIGATION INSTALLATION BY THE ENGINEER THE CONTRACTOR SHALL FURNISH TO THE ENGINEER ”AS–BUILT” IRRIGATION PLANS/DETAILS, SHOWING IN RED LINES, ANY AND ALL APPROVED CHANGES MADE TO THE IRRIGATION DURING THE PROJECT’S CONSTRUCTION FOR DISTRIBUTION TO THE PROJECT ENGINEER. TWO (2) SETS OF APPROVED DRAWINGS WILL BE FURNISHED TO THE CONTRACTOR FOR THIS PURPOSE AT THE PRE–CONSTRUCTION CONFERENCE.

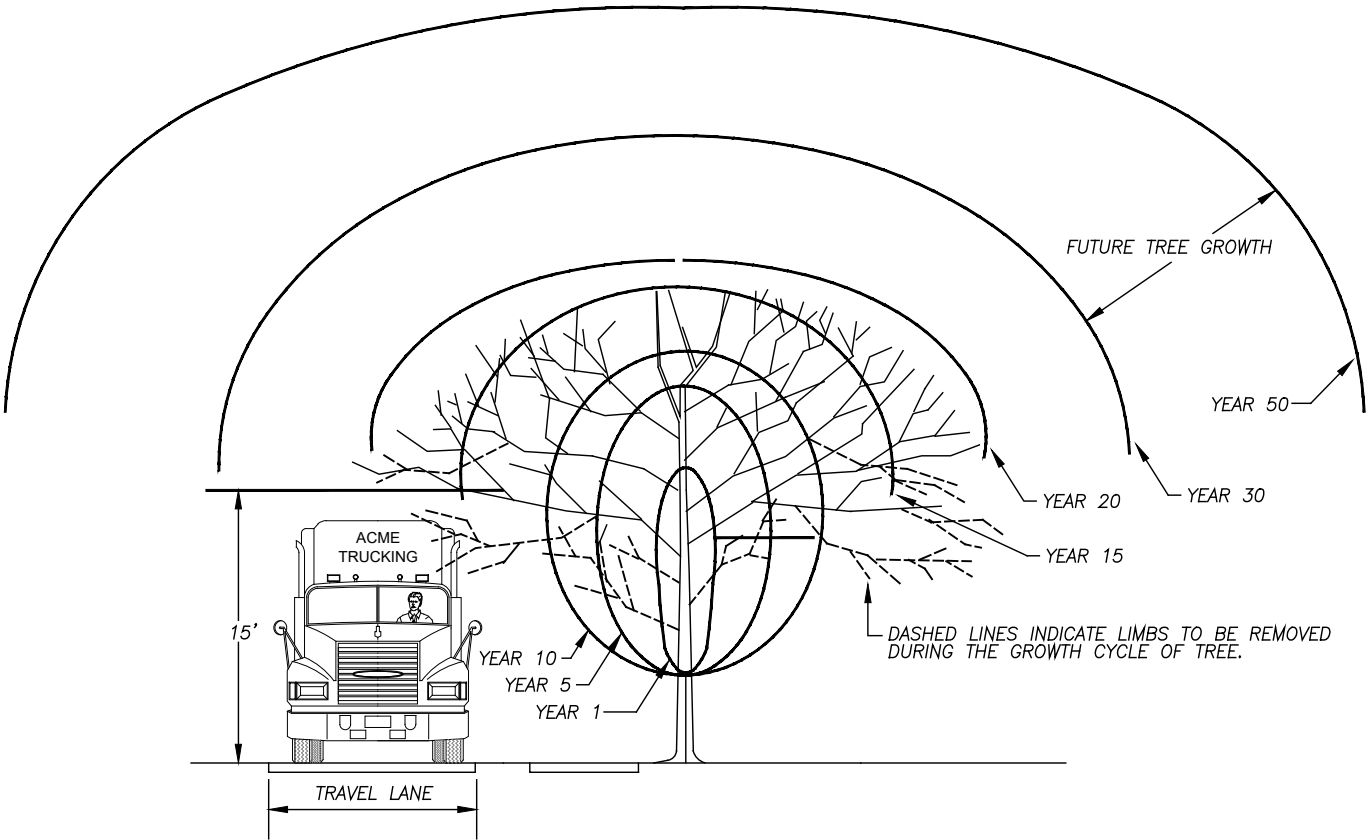
REFER TO ALL PLAN SHEETS FOR HARDSCAPE COMPONENTS AND DETAILS. THIS INFORMATION IS NOT ILLUSTRATED COMPLETELY ON IRRIGATION PLANS FOR CLARITY.

ALL MAIN LINE SHALL BE PRESSURE TESTED AT 125 PSI FOR TWO HOURS PRIOR TO PUTTING IRRIGATION SYSTEM INTO OPERATION. CONTRACTOR TO COORDINATE AND RECORD TESTING WITH PROJECT ENGINEER IN CONJUNCTION WITH LANDSCAPE ARCHITECT.

ANY SPECIFICATIONS WHICH INCLUDE PARTICULAR NAME-BRAND PRODUCTS MAY BE SUBSTITUTED WITH EQUAL PRODUCTS, IF APPROVED BY THE LANDSCAPE ARCHITECT AND THE TOWN OF LONGBOAT KEY PRIOR TO ORDERING.

No.	REVISION	DATE	BY	TOWN OF LONGBOAT KEY DEPARTMENT OF PUBLIC WORKS 600 GENERAL HARRIS STREET LONGBOAT KEY, FL., 34228	<div><div><div>dwja</div><div>LANDSCAPE ARCHITECTS</div><div>DAVID W. JOHNSTON ASSOCIATES</div><div>1717 SECOND STREET, SUITE A • SARASOTA, FL. 34236 • (941) 566-6166</div></div></div>	DATE	05/09/19	CKD. BY	DATE	TOWN OF LONGBOAT KEY S.R. 789 (GULF OF MEXICO DR.) MEDIAN IMPROVEMENTS IRRIGATION DETAILS	LANDSCAPE ARCHITECT OF RECORD	SHEET No. LD-38	
						DRAWN	KSR	JA	05/19				
						DESIGN	PJS	PJS	05/19				
						SCALE NOTED	DWJA NO. 19-20						
Δ 5	PER FINAL CIVIL REVIEW	10/05/20	KSR										
Δ 7	PER MEDIAN MODIFICATIONS	04/23/25	PJS									PHILLIP J. SMITH, ASLA, RLA #1096 REGISTERED LANDSCAPE ARCHITECT	

TECHNICAL MAINTENANCE PLAN												
MAINTENANCE OPERATION	UNTIL FINAL ACCEPTANCE WEEKLY CYCLE BY CONTRACTOR											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MOWING 6" HEIGHT	X	X	X	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXX	X	X
	CONTRACTOR TO MOW ON WEEKLY BASIS FROM APRIL TO OCTOBER (WARM SEASON) AND MONTHLY BASIS FROM NOVEMBER TO MARCH (COOL SEASON) AT CONSTRUCTION COMPLETION.											
WATERING	BACKFILL AND WATER-IN EACH PLANTING IN THREE LAYERS. (SEE PLANTING DETAILS.) COMPLETELY SATURATE AND COMPACT PLANTING HOLE TO COMPLETE INSTALLATION OPERATION. SET IRRIGATION TIME CLOCK OR HAND WATER UNTIL THE IRRIGATION TIME CLOCK IS FULLY FUNCTIONAL.											
WEEDING	X	X	X	X	X	X	X	X	X	X	X	X
	CONTRACTOR TO WEED ALL PLANTING BEDS AND INDIVIDUAL TREE WELLS EVERY TWO WEEKS. WEEDING BY HAND AND CHEMICAL HERBICIDE GLYPHOSATE OR EQUAL, APPLIED AT RATE OF 1-1/2 OZ. PER GALLON USING 15 GALLON BACKPACK SPRAYER UNDER SUPERVISION OF LICENSED OPERATOR FOR BEDS.											
PRUNING	AS NEEDED TO REMOVE MECHANICALLY DAMAGED BRANCHES DUE TO HANDLING. MUST MAINTAIN FLORIDA GRADE #1 FORM FOR FINAL ACCEPTANCE.											
FERTILIZATION	PALMS, TREES, AND SHRUBS TO BE FERTILIZED AT PLANTING, AND AGAIN 2 TIMES PER YEAR, USING 20-10-5 ANALYSIS, SLOW-RELEASE FERTILIZER (OR EQUAL) TABLETS. TABLETS TO BE UNIFORMLY PLACED AROUND ROOT BALL AT THE TOP OF FIRST LAYER OF PREPARED BACKFILL. SEE TABLE FOR TABLET SIZE AND APPLICATION RATE.											
GENERAL	CONTRACTOR TO RESTORE SAUCERS ONCE A MONTH. TREES OR PALMS TO BE RESET TO VERTICAL PLUMB AS NECESSARY. SUBMIT REPORTS BIWEEKLY RECORDING ALL MAINTENANCE TO THE PROJECT MANAGER AND LANDSCAPE ARCHITECT.											
IRRIGATION	IRRIGATION SPRINKLERS SHALL BE INSTALLED AND ADJUSTED, SO THAT NO SPRINKLER DIRECTLY SPRAYS WATER ONTO THE ROADWAY PAVEMENT OR SIDEWALK. MAINTAIN THE IRRIGATION SYSTEM TO BE OPERABLE AT ALL TIMES. MAINTAIN HEADS FOR COVERAGE AND FLOW. MAINTAIN ALL PIPING, WIRING, VALVES, HEADS AND CLOCK TO BE FULLY OPERATIONAL AT ALL TIMES. CHECK SYSTEM AT A MINIMUM OF EVERY TWO WEEKS.											
EDGING			X						X			
	EDGE ALL MEDIAN CURBS.											
MULCH 3" DEPTH MELALEUCA	MULCH IMMEDIATELY ON EACH PLANTING. AFTER WATERING-IN EACH PLANT.											



BROAD SPREADING TREE PLANTING AND MAINTENANCE
FOR PLANTING ON FDOT ROADWAYS

1. IN ACCORDANCE WITH THE MAINTENANCE RATING PROGRAM (MRP) MANUAL, THERE SHALL BE NO ENCROACHMENT OF TREES, TREE LIMBS OR VEGETATION LOWER THAN 14.5 FEET OVER THE ROADWAY PAVEMENT, OR BEYOND THE FACE OF ANY GUARDRAIL. ALSO, THERE SHALL BE NO ENCROACHMENT OF TREES, TREE LIMBS OR VEGETATION LOWER THAN 10 FEET OVER ANY SIDEWALK. WHEN TREES ARE TO BE PLANTED IN CLOSE PROXIMITY TO ROADWAYS OR SIDEWALKS, PROPER SPECIES AND SPECIFICATIONS SHALL BE USED TO MEET THE REQUIREMENTS OF THE MRP MANUAL.
2. SELECT SINGLE LEADER TREES WITH UPRIGHT GROWTH HABIT IN YOUNG TREES.
3. PRUNE LOWER LIMBS AS TREE MATURES TO REMOVE BRANCHES FROM LOWER PORTION OF TREE, UP TO A HEIGHT OF FIFTEEN FEET (15') OVER THE TRAVEL LANE.
4. AS TREE MATURES REMOVE ALL DOWNWARD GROWING LIMBS AS DEPICTED BY DASHED LINES IN GRAPHIC ABOVE.
5. INSPECT AND PRUNE TREES EACH YEAR FOR FIRST FIVE (5) YEARS OF PROGRAM PLANTING. INSPECT AND PRUNE EVERY OTHER YEAR THEREAFTER AS REQUIRED. MAINTAIN FIFTEEN (15') FEET OF CLEARANCE OVER TRAVEL LANES FOR LIFE OF THE TREE.