A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

COVER

SHEET DESCRIPTION

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IRRIGATION TABULATION OF QUANTITIES

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LANDSCAPE PLANS

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LANDSCAPE PLANS IRRIGATION PLANS

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MAYOR:

VICE-MAYOR:

COMMISSIONER:

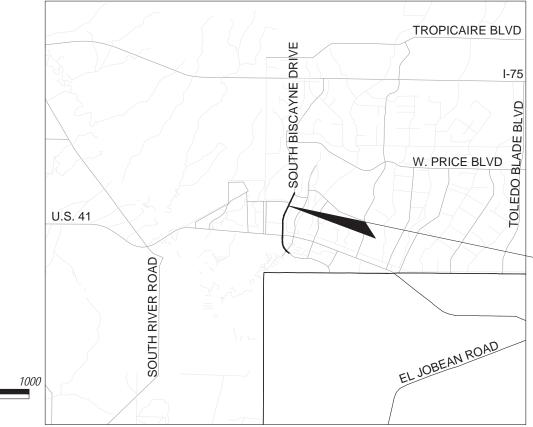
CITY OF NORTH PORT

PLANS OF PROPOSED SOUTH BISCAYNE DRIVE MEDIAN LANDSCAPE PROJECT

FROM EAST SAFFORD TERRACE TO ELYTON DRIVE (1.6 MILES)

POSTED SPEED 35 MPH

LANDSCAPE DESIGN SPEED 35 MPH



JANUARY 2017

UTILITIES PROVIDING SERVICE:

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, 2016 MANUAL

OF MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS.

LANE CLOSURES TO BE COORDINATED WITH CITY OF NORTH

CITY OF NORTH PORT BOARD OF COMMISSIONERS

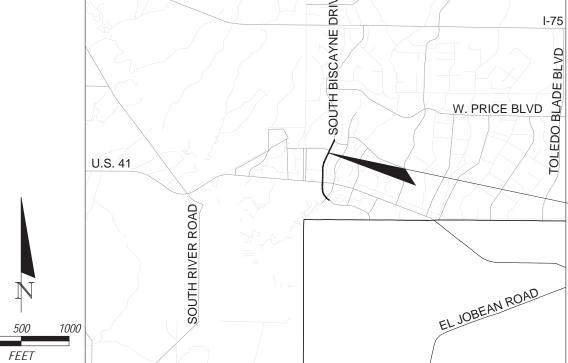
LINDA YATES

VANESSA CARUSONE

CHRISTOPHER HANKS

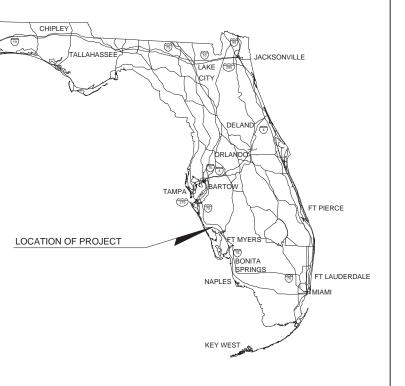
DEBBIE McDOWELL

Utility	Contact	Address	Telephone	E-mail
North Port Utility	Darrell Smith	6644 West Price Boulevard	941-628-8187 (cell)	dsmith@cityofnorthport.com
		North Port, FL 34291	941-240-8021 (office)	
Verizon	Denise Hutton	1701 Ringling Boulevard	941-906-6722	Denise.hutton@verizon.com
		Sarasota, FL 34236		
FPL	Daniel Sonnenberg	2425 Thompson Street	(239) 332-9129	D.M.Sonnenberg@fpl.com
		Fort Myers, FL 33901	(239) 641-1730 (cell)	
Comcast	Gary Hill	3490 Technology Drive	941-342-3578	Gonzalo rojas@cable.comcast.com
		Venice, FL 34275		
TECO Gas	Sanny Shanahan	8261 Vico Court	941-342-4006 (office)	DJSHANAHAN@TECOENERGY.COM
		Sarasota, FL 34240		



PROJECT LENGTH IS BA	SED ON Q OF CONST	RUCTION
LENGTH (OF PROJEC	Т
	LINEAR FEET	MILES
ROADWAY	7815.810	1.480
BRIDGES		
NET LENGTH OF PROJECT	7815.810	1.480
EXCEPTIONS		
GROSS LENGTH OF PROJECT	7815.810	1.480

CITY OF NORTH PORT PROJECT MANAGER: BENJAMIN NEWMAN, P.E.



PLANS PRODUCED FOR:

PENSACOLA

PROJECT LOCATION



100% PLANS

PLANS PREPARED BY:



2122 JOHNSON STREET FORT MYERS, FLORIDA 33901 EB 642 & LB 642

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

NOTE: THIS ROADWAY LANDSCAPE DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF NORTH PORT'S DETERMINATION OF DESIGN SPEED FOR LANDSCAPING AND POLICY ON ROADWAY LANDSCAPE ARCHITECTURE.

LANDSCAPE PLANS LANDSCAPE ARCHITECT OF RECORD: JEFFREY NAGLE

FLORIDA LICENSE NO.: LA - 6667059

SHEET NO.

GENERAL NOTES:

- THE CONTRACTOR SHALL REVIEW THE PROPOSED SITE GRADING FOR THIS PROJECT AND VERIFY IT WILL NOT ADVERSELY IMPACT ANY SURFACE WATER OR GROUNDWATER. CONTRACTOR SHALL PROMPTLY REPORT ANY CONCERNS TO THE OWNER / LANDSCAPE ARCHITECT WITHOUT DELAY.
- 2. THE LOCATION OF EXISTING UTILITIES. PAVEMENT, VEGETATION AND MISCELL ANEOUS IMPROVEMENTS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTO
- 3. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE LANDSCAPE ARCHITECT.
- 4 ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. JE & CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, T CONTRACTOR SHOULD NOTIFY THE OWNER/LANDSCAPE ARCHITECT WITHOUT DELAY.
- 5. EXISTING FACILITIES SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT WHICH EXISTED PRIOR
- 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA. DEPARTMENT OF TRANSPORTATION, ROADWAY AND TRAFFIC DESIGN STANDARDS, (LATEST EDITION), CITY OF NORTH PORT FOR LAND DEVELOPMENT CODE AND SPECIFICATIONS AND CITY OF NORTH PORT UTILITIES
- 7. THE CONTRACTOR IS REQUIRED TO ADJUST ALL VALVE BOXES, MANHOLE RIMS, GRATES, ETC. AS
- 8. CONTRACTOR SHALL NOTIFY THE CITY OF NORTH PORT A MINIMUM OF 72 HOURS PRIOR TO ALL REQUIRED
- 9 CONTRACTOR TO PROVIDE SILT FENCE STAKED HAY BALES AND OTHER APPROPRIATE MEASURES TO EFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES. PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED WITH GRASS OR SUITABLE EROSION PROTECTION TREATMENT
- 10. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- 11. CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ANY PERMITS NECESSARY FOR
- 12. CONTRACTOR SHALL PROMPTLY REPORT ALL FIELD CHANGES TO THE OWNER / LANDSCAPE ARCHITECT.
- 13. CONTRACTOR SHALL CLEAR ALL EXCAVATION AND FILL AREAS; ACTUAL LIMITS OF CLEARING SHALL BE DETERMINED IN THE FIELD BY OWNER OR LANDSCAPE ARCHITECT
- 14 CONTRACTOR SHALL REMOVE ALL MUCK AND OTHER UNSUITABLE MATERIAL FROM FILL AREAS PRIOR TO PLACEMENT OF FILL. ALL MUCK AND OTHER UNSUITABLE MATERIAL EXCAVATED FROM LAKES OR REMOVED FROM FILL AREAS SHALL BE STOCKPILED AT THE PROPOSED PROJECT AS DETERMINED BY THE OWNER.
- 15. SITE GRADES MAY BE ADJUSTED IN FIFLD BY OWNER / LANDSCAPE ARCHITECT.
- 16. CONTRACTOR SHALL USE DESIGNATED CONSTRUCTION ENTRANCES FOR EMPLOYEES AND DELIVERY OF
- 17 THE LOCATIONS OF EXISTING UTILITIES AND STORM SEWERS SHOWN ON THIS PLAN HAVE BEEN TAKEN THE LOCATIONS OF EXISTING UILITIES AND SICHM SEWERS SHOWN ON I HIS PLAN HAVE BEEN TAKEN FROM RECORD DRAWINGS AND FIELD INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LOCATION PRIOR TO CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE OWNER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR LANDSCAPE ARCHITECT WILL ASSUM OLIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. FIT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY. THE UTILITY COMPANY OF DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK
- 18. DURING CONSTRUCTION, GRATE INLET AND JUNCTION BOX OPENINGS SHALL BE COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- 20. THE CONTRACTOR SHALL ACCURATELY PLOT THE LOCATIONS AND DEPTHS OF ALL IMPROVEMENTS
- 21. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY PROTECTION MEASURES FOR THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS AND LIGHTS. IF FDOT RIGHT-OF-WAY OR TURNING CAPABILITIES ARE IMPACTED, AN ADVANCED M.O.T. PLAN PER FDOT AND STATE STANDARDS WILL BE REQUIRED.
- CONTRACTOR IS REQUIRED TO OBTAIN FROM THE LANDSCAPE ARCHITECT AND OWNER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
- 23. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT, ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS
- 24. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED DEWATERING PERMITS.
- 25. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED TREE REMOVAL PERMITS.
- 26. CONTRACTOR SHALL MULCH ALL MEDIAN ISLANDS AS SPECIFIED ON PLANS.
- 27. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF SITE IN
- 28. CONTRACTOR SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. DAILY, AND MORE OFTEN IF NECESSARY, INSPECT AND PICK UP ALL SCRAP, DEBRIS AND WASTE MA
- CONTRACTOR SHALL NOTIFY THE OWNER AND CONTACT ALL UTILITY COMPANIES FOR LOCATIONS OF EXISTING UTILITIES IN THE AREA 72 HOURS (MIN.) PRIOR TO COMMENCING CONSTRUCTION.
- 30. THE EXISTING STORM DRAINAGE PIPING AND FILTRATION SYSTEM WITHIN THE PROJECT LIMITS SHALL BE SUBJECTED TO A VISUAL INSPECTION BY THE OWNER PRIOR TO ACCEPTANCE
- 31. THE CONTRACTOR SHALL MAINTAIN THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE INSPECTED BY THE OWNER PRIOR TO FINAL ACCEPTANCE.
- 32. FINISHED GRADE ALONG EDGE OF PAVEMENT MUST BE AT LEAST 2" BELOW EDGE OF PAVEMENT GRADE
- 33. ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.

WATER LINE NOTES:

- THE ENDS OF ALL CAPPED IRRIGATION AND POTABLE WATERLINES SHALL BE MARKED WITH ELECTRONIC MARKERS AND 2'X4' STAKES 5' IN LENGTH WITH 2' ABOVE GROUND.
- 35. ALL WATERLINES SHALL HAVE A MINIMUM COVER OF 30" AND A MAXIMUM OF 48" BELOW FINISHED GRADE
- 36. CONTRACTOR SHALL USE 45° BENDS WITH MEGALUGS AT CONFLICTS

Drawings\2013\20139536-000\Landscape\Drawings\Phase 2\20139536-000-LANDSCAPE.dwg (GN) JMB Jan 11, 2017 - 4:27pm

37. THE CONTRACTOR SHALL PLACE PROPOSED VALVES AS SHOWN. THE VALVE BOX SHALL NOT BE LOCATED IN PAVEMENT OR DRIVEWAY AREAS.

SIGNING AND PAVEMENT MARKING NOTES:

- 38. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (LATEST EDITION), "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION)," AND THE CURRENT CITY OF NORTH PORT DEPARTMENT OF TRANSPORTATION REQUIREMENTS.
- 39. MATCH EXISTING PAVEMENT MARKINGS AT EXISTING ROADS.
- 40. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE FDOT ROADWAY AND TRAFFIC DESIGN
- 41. CONTRACTOR SHALL SET ROADWAY GROUND MOUNT SIGNS AT PROPER DEFLECTION ANGLE TO THE ROADWAY IN ACCORDANCE WITH FDOT INDEX NUMBER 17302.
- 42. SEE FDOT INDEX NUMBERS 17346 AND 17352 FOR ADDITIONAL DETAILS

EXISTING UTILITY NOTE:

- 43 CONTRACTOR TO CONTACT "SUNSHINE 811" FOR LOCATES TWO BUSINESS DAYS BEFORE YOU DIG I-800-432-4770. STATE, COUNTIES, AND CITIES ARE <u>NOT</u> PART OF THE ONE CALL SYSTEM, THEY MUST BE
- 44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ELIRNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND DASOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL
- 45. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL ANT WELLS DISCOVERED ON THE ITHAT WILL FAVEN OUT SEEM WIST BE PLUGGED BY A LLENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO HE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
- 46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN THE COURTAGE OF SHALL BE RESPONSIBLE FOR VERIFING IN ALTHER PROPOSED IMPROVEMENTS SHOUTH ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FALIURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- 47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL MEASUREMENTS. LEVELS/FLEVATIONS FTC. BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE WOR
- 48. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE OR LOSS OF ANY SURVEY REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF THIS WORK, AND SHALL BEAR THE COST OF REPLACING
- 49. THE CONTRACTOR ACKNOWLEDGES AND AGREES THAT THE WORK IS ENTIRELY AT HIS/HER RISK UNTIL SITE IS ACCEPTED BY OWNER, AND WILL BE HELD RESPONSIBLE FOR WORK SAFETY AND CONDITION BY THE OWNER.
- 50. THE CONTRACTOR SHALL PROVIDE SUCH BRACING. SHEETING AND SHORING. BLASTING PROTECTION WARNING LIGHTS AND BARRICADES, ETC. AS MAY BE NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY FOR HIS OWN EMPLOYEES AND THE GENERAL PUBLIC. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STATUTES AND RULES REQUIRING CERTAIN PROTECTIVE PERSONAL APPAREL SUCH AS HARD HATS, EAR PLUGS, EYE SHIELDS, PROTECTIVE SHOES, ETC. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY OR LIABILITY FOR ACTIONS TAKEN BY THE CONTRACTOR.

PAVING, GRADING, AND DRAINAGE NOTES

- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN CITY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR CITY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR CITY REGULATIONS.
- ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED TO PRE-CONTRUCTION CONDITIONS OR BEITER.
- TRAFFIC CONTROL ON ALL FOOT, LOCAL AND CITY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFICE TO CONTROL DEVICES (U.S. DOTFIHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRIPLE MOST STRIPLE AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRIPLE AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRIPLE MOST STRIPLE AGENCY RECOVERY.
- 4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
- ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- WHERE EXISTING PAVEMENT IS NECESSARY DUE TO CONSTRUCTION DAMAGE, THE DAMAGED PAVEMENT SHALL BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION THE CONTRACT OF STALE INSTITUTE HE REPARED OVER ALL DEVAILABLE STACT FACE OF THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- 8. STRIP EXISTING SOD AND GRADE ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE
- 9. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT
- 10. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL):1 (VERTICAL) OR FLA TIER UNLESS OTHERWISE
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING (
 SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING
- 12. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

P.O. BOX 1550 FORT MYERS, FLORIDA 33902-1550 PHONE (239) 334-0046 FAX (239) 334-3661 E.B. #642 & L.B. #642

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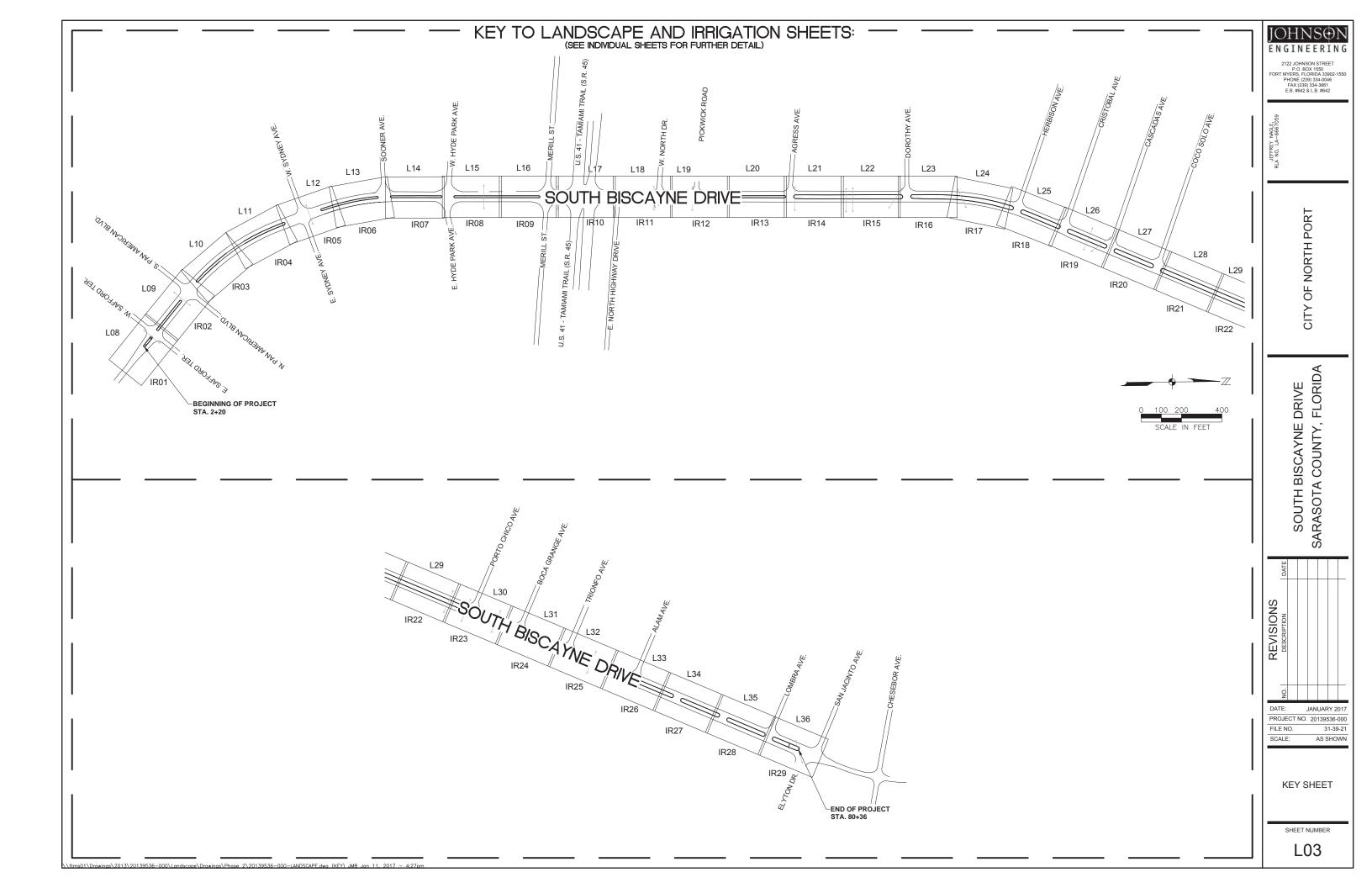
GENERAL NOTES

31-39-2

FILE NO

SCALE

SHEET NUMBER



PLANT SCI	HEDL	LE																								
TREES	CODE	BOTANICAL NAME / COMMON NAME	<u>HT</u>	SPR	CAL	CONT NOTES		QTY	MEDIAN 01	MEDIAN 02	MEDIAN 03	MEDIAN 04	MEDIAN 05	MEDIAN 06	MEDIAN 07	MEDIAN 08	MEDIAN 09	MEDIAN 1	MEDIAN 11	MEDIAN 12	MEDIAN 13	MEDIAN 14	4 MEDIAN 15	MEDIAN 16	6 MEDIAN 11	REMARKS
	EJ	Eriobotrya japonica / Loquat	10` Ht					16			5			5		5							1			
	PS	Phoenix sylvestris / Silver Date Palm	12` Ct					6				1	1						1		1			1	1	
•	QV	Quercus virginiana `Cathedral` / Cathedral ŁLive Oak	12`-14` H	t 5.5`Spr	3.5" Cal	B & B Min. 36" Dia. Rootball		8									4					3				Native
	TI	Tabebuia impetiginosa / Purple Trumpet Tree	12` Ht					12			6			3		3										
	UA	Ulmus americana / American Elm	10` Ht	4` Spr	2" Cal	B & B		6										3				2				Native
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	<u>HT</u>	NOTES		SPACING	QTY	MEDIAN 01	MEDIAN 02	MEDIAN 03	MEDIAN 04	MEDIAN 05	MEDIAN 06	MEDIAN 07	MEDIAN 08	MEDIAN 09	MEDIAN 1	MEDIAN 11	MEDIAN 12	MEDIAN 13	MEDIAN 14	4 MEDIAN 15	MEDIAN 16	6 MEDIAN 11	REMARKS
(±)	AA	Agapanthus africanus / Lily of the Nile	1 gal				24" o.c.	154									154									Non-Native
\odot	CE	Carissa macrocarpa 'Emerald Blanket' / Emerald Blanket Carissa	3 gal	10" Ht			24" o.c.	154														154				Non-Native
(+)	DR	Duranta repens `Gold Mound Dewdrop` / Gold Mound Duranta	3 gal	16" Ht			24" o.c.	268										118				150				Non-Native
* **	ES	Eragrostis spectabilis / Purple Love Grass	1 gal	14" Ht			24" o.c.	286									151	135								Native
\odot	HP	Hamelia patens `Compacta` / Dwarf Firebush	3 gal	24" Ht			36" o.c.	249			26	9						105				109				Non-Native
\odot	IV	Ilex vomitoria 'Stokes Dwarf' / Dwarf Yaupon	3 gal	12" Ht			36" o.c.	35						17		18										Non-Native
* }	MC	Muhlenbergia capillaris / Muhly Grass	3 gal	30" Ht			36" o.c.	193														107			86	Native
+	MF2	Myrcianthes fragrans 'compacta' / Dwarf Simpson's Stopper	3 gal	30" Ht			36" o.c.	215									108	107								Native
5 + 2)	ST	Schefflera arboricola `Trinette` / Schefflera	7 gal	36" Ht			36" o.c.	149			25					17	107									Non-Native
\odot	TU	Turnera ulmifolia / Yellow Alder	3 gal	24" Ht			24" o.c.	76																	76	Non-Native
\oplus	VO	Viburnum obovatum `Mrs. Shillers Delight` / Dwarf Walter`s Viburnum	3 gal	18" Ht			36" o.c.	25				9		16												Native
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	<u>HT</u>			SPACING	QTY	MEDIAN 01	MEDIAN 02	MEDIAN 03	MEDIAN 04	MEDIAN 05	MEDIAN 06	MEDIAN 07	MEDIAN 08	MEDIAN 09	MEDIAN 1	MEDIAN 11	MEDIAN 12	MEDIAN 13	MEDIAN 14	4 MEDIAN 15	MEDIAN 16	6 MEDIAN 11	REMARKS
	AG	Arachis glabrata 'Needlepoint' / Needlepoint Perennial Peanut	4"pot				12" o.c.	13,036	319	590		63	747	936		150	1,978	1,899					1,661	1,789		Non-Native
	DT	Dyschoriste oblongifolia / Twin Flower	1 ga l	6" Ht			18" o.c.	4,809				300	317	58		453	809			727	750				793	Native
	JC	Juniperus conferta `compacta` / Shore Juniper	3 gal	12" Spr			36" o.c.	1,490						105	99	113	208		185	185				196		Non-Native
	JH	Juniperus horizontalis 'Wiltonii' / Blue Rug Horizontal Juniper	3 ga l	12" Spr			36" o.c.	876		68	201	9										224	186		188	Non-Native
	LM	Liriope muscari 'Big Blue' / Lily Turf	1 ga l				18" o.c.	3,910			165							732			758	876				Non-Native
		Mulch / Pine Bark Nuggets	3" Depth					92,012 sf	507 sf	1,729 sf	5,767 sf	2,523 sf	2,176 sf	3,701 sf	1,267 sf	3,931 sf	10,062 sf	9,660 sf	3,834 sf	3,844 sf	3,933 sf	12,793 sf	3,873 sf	4,113 sf	5,367 sf	

673

303

18" o.c. 4,520

NOTES:

1. TREES SHALL HAVE STRAIGHT TRUNKS

RC Ruellia caroliniensis / Carolina Wild Petunia

- 2. TREES SHALL BE MATCHED
- 3. CONTAINER TREES MAY BE SUBSTITUTED FOR FIELD GROWN AND VISA VERSA
- 4. EVERY EFFORT SHOULD BE MADE BY THE CONTRACTOR TO USE TREES GROWN FROM A LOCAL SEED SOURCE.
- 5. ALL TREES SHALL BE FLORIDA #1 GRADE OR BETTER, AS DETERMINED BY FLORIDA GRADES AND STANDARDS.
- 6. PLANT FOLIAGE TO BE MAINTAINED ABOVE $3\frac{1}{2}$ AND BELOW $8\frac{1}{2}$ WITHIN LIMITS OF CLEAR SIGHT AS SHOWN ON PLANS FOR COMPLIANCE WITH FDOT REQUIREMENTS.

2122 JOHNSON STREET
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PHONE (239) 334-9046
FAX (239) 334-9661
E.B. #642 & L.B. #642

NORTH PORT Я CITY

SOUTH BISCAYNE DRIVE SARASOTA COUNTY, FLORIDA



1,829

PROJECT NO. 20139536-000 FILE NO. 31-39-21

SCALE:

LANDSCAPE **TABULATION OF** QUANTITIES

SHEET NUMBER

PLANT SCH	HEDU	LE												
TREES	CODE	BOTANICAL NAME / COMMON NAME	<u>HT</u>	SPR	CAL	CONT	NOTES		QTY	MEDIAN 18	MEDIAN 19	MEDIAN 20	MEDIAN 21	REMARKS
	EJ	Eriobotrya japonica / Loquat	10` Ht						16					
	PS	Phoenix sylvestris / Silver Date Palm	12` Ct						6					
•	QV	Quercus virginiana `Cathedral` / Cathedral* Live Oak	12`-14` Ht	5.5` Spr	3.5" Cal	В&В	Min. 36" Dia. Rootball		8			1		Native
(•)	TI	Tabebuia impetiginosa / Purple Trumpet Tree	12` Ht						12					
	UA	Ulmus americana / American Elm	10` Ht	4` Spr	2" Ca l	B & B			6		1			Native
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	<u>HT</u>	NOTES			SPACING	QTY	MEDIAN 18	MEDIAN 19	MEDIAN 20	MEDIAN 21	REMARKS
(±)	AA	Agapanthus africanus / Lily of the Nile	1 gal					24" o.c.	154					Non-Native
\odot	CE	Carissa macrocarpa `Emerald Blanket` / Emerald Blanket Carissa	3 gal	10" Ht				24" o.c.	154					Non-Native
₹}}	DR	Duranta repens 'Gold Mound Dewdrop' / Gold Mound Duranta	3 gal	16" Ht				24" o.c.	268					Non-Native
₹ • }	ES	Eragrostis spectabilis / Purple Love Grass	1 gal	14" Ht				24" o.c.	286					Native
\odot	HP	Hamelia patens 'Compacta' / Dwarf Firebush	3 gal	24" Ht				36" o.c.	249					Non-Native
\odot	IV	llex vomitoria `Stokes Dwarf` / Dwarf Yaupon	3 gal	12" Ht				36" o.c.	35					Non-Native
₹}	MC	Muhlenbergia capillaris / Muhly Grass	3 ga l	30" Ht				36" o.c.	193					Native
+	MF2	Myrcianthes fragrans 'compacta' / Dwarf Simpson's Stopper	3 ga l	30" Ht				36" o.c.	215					Native
8 + 3	ST	Schefflera arboricola 'Trinette' / Schefflera	7 ga l	36" Ht				36" o.c.	149					Non-Native
()	TU	Turnera ulmifolia / Yellow Alder	3 ga l	24" Ht				24" o.c.	76					Non-Native
\oplus	VO	Viburnum obovatum 'Mrs. Shillers Delight' / Dwarf Walter's Viburnum	3 ga l	18" Ht				36" o.c.	25					Native
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT	<u>HT</u>				SPACING	QTY	MEDIAN 18	MEDIAN 19	MEDIAN 20	MEDIAN 21	REMARKS
	AG	Arachis glabrata 'Needlepoint' / Needlepoint Perennial Peanut	4"pot					12" o.c.	13,036	1,371	1,533			Non-Native
	DT	Dyschoriste oblongifolia / Twin Flower	1 gal	6" Ht				18" o.c.	4,809	602				Native
	JC	Juniperus conferta `compacta` / Shore Juniper	3 gal	12" Spr				36" o.c.	1,490			171	228	Non-Native
	JH	Juniperus horizontalis 'Wiltonii' / Blue Rug Horizontal Juniper	3 gal	12" Spr				36" o.c.	876					Non-Native
	LM	Liriope muscari `Big Blue` / Lily Turf	1 gal					18" o.c.	3,910		694	685		Non-Native
		Mulch / Pine Bark Nuggets	3" Depth						92,012	3,231 sf	3,636 sf	3,617 sf	2,448 sf	
	RC	Ruellia caroliniensis / Carolina Wild Petunia	1 gal					18" o.c.	4,520					Native

NOTES:

- 1. TREES SHALL HAVE STRAIGHT TRUNKS
- 2. TREES SHALL BE MATCHED
- 3. CONTAINER TREES MAY BE SUBSTITUTED FOR FIELD GROWN AND VISA VERSA
- 4. EVERY EFFORT SHOULD BE MADE BY THE CONTRACTOR TO USE TREES GROWN FROM A LOCAL SEED SOURCE.
- 5. ALL TREES SHALL BE FLORIDA #1 GRADE OR BETTER, AS DETERMINED BY FLORIDA GRADES AND STANDARDS.
- 6. PLANT FOLIAGE TO BE MAINTAINED ABOVE 3^{1}_{2} AND BELOW 8^{1}_{2} WITHIN LIMITS OF CLEAR SIGHT AS SHOWN ON PLANS FOR COMPLIANCE WITH FDOT REQUIREMENTS.



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RLA NO. LA-6667059

RTH PORT

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SOUTH BISCAYNE DRIVE SARASOTA COUNTY, FLORIDA



PROJECT NO. 20139536-000 FILE NO. 31-39-21

SCALE:

LANDSCAPE TABULATION OF QUANTITIES

SHEET NUMBER

		· ·	ATION TABULATION OF QUANTITIES MEDIAN NUMBERS																	
PAY ITEM SYM	DESCRIPTION	UNIT	MEDI	IAN #1	MEDIAN #2	MED!	AN #3		IAN #4	MEDIA	AN #5	MEDI	AN #6	MED	IAN #7	TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
NO.			PLAN	FINAL	PLAN FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	JIILLI
	CONTROLLER																			
B-1 C		EA												1		1		1		
	RAIN SENSOR																			
B-2 RS	SLW1 WIRED RAIN SENSOR	EA												1		1		1		
	FLOW SENSOR WITH MASTER VALVE																			
B-3 FS	SLFSI-T20 2" TEE TYPE INSERT FLOW SENSOR WITH RAIN BIRD 200-PESBR-PRS-D MASTER VALVE	EA												1		1		1		
	AIR CARD																			
B-4 AC	SL-AIRCARDFLOW3W-GSM AIR CARD W/ FLOW, 3 YR SERVICE PLAN & WARRANTY FOR GZM CELL NETWORK	EA												1		1		1		
	DECODERS																			
B-5 D	WEATHERMATIC SLDEC1 VALVE DECODER	EA			1	2		1		1		1		1		7		27		i
	WIRE																			i T
B-6 W	SMARTLINE - SLWIRE (2 PATH WIRE)	LF																7940		i —
	VALVES																			i
B-7 GV	2" MUELLER A-2360 SERIES RESILIENT WEDGE	EA																Existing		ī —
B-8 SV	RAIN BIRD 100-PESBR-PRS-D (INCLUDES VALVE BOX, GRAVEL, BRICKS, FABRIC, ETC.)	EA			1	2		1		1				1		6		15		i
B-9 SV	RAIN BIRD 150-PESBR-PRS-D (INCLUDES VALVE BOX, GRAVEL, BRICKS, FABRIC, ETC.)	EA										1				1		12		
	BLOWOFF																			
B-10 ME	MAINLINE BLOWOFF ASSEMBLY	EA																Existing		·
	MAINLINE PIPING																			
B-11 ML	. 2" HDPE SDR 11	LF																Existing		
	LATERAL PIPING																			
B-12 LL	1" CLASS 200 PURPLE	LF																6380		
	1-1/2" CLASS 200 PURPLE	LF																260		ī —
B-14 LL	2" CLASS 200 PURPLE	LF																40		
	CONDUIT																			
B-15 CO	2" HDPE SDR 11	LF																Existing	-	
	GROUNDING																			
B-16 GR	LIGHTENING ARRESTER - SLGDT	EA			1	2		1		1		1		2		8		28	-	$\overline{}$
	SLEEVING	+																		
B-17 SL	2" HDPE SDR 11	LF																Existing		$\overline{}$
	NOZZLES	+														<u> </u>	 			$\overline{}$
B-18 N7	HUNTER FIXED ARC NOZZLE ON PROS-12-CV-R SPRAY BODY - 5' RADIUS NOZZLE	EA	10		34	105		57		51		84		27		368		451		$\overline{}$
	HUNTER FIXED ARC NOZZLE ON PROS-12-CV-R SPRAY BODY - 10' RADIUS NOZZLE	EA						- • • • • • • • • • • • • • • • • • • •		 				-	 	-	 	367		$\overline{}$
5-10 INZ	WATER SOURCE	1 -						<u> </u>							+		 			
B-20 RI	CONNECTION TO CITY REUSE LINE	EA	-			-				 				1	+	1	 	1		
B-20 R0	NETAFIM FILTER POC-TF20918-100RW	EA							-	 				 	-			1		

		MEDIAN NUMBERS													Т
AY DESCRIPTION	UNIT	MEDIAN #8	MEDIAN #9	MEDIAN #10	MED	IAN #11	MEDIAN #12	MEDI.	AN #13	MEDIAN	J #14	TOTAL THIS	SHEET	GRAND TOTAL	RE
0.		PLAN FINAL	PLAN FINAL	PLAN FINAL	PLAN	FINAL	PLAN FINAL	PLAN	FINAL	PLAN	FINAL	PLAN I	FINAL	PLAN FINAL	1 311
CONTROLLER															
-1 C SPPED-ENC PEDESTAL MOUNTED SL1600 CONTROLLER WITH SLM48DM DECODER MODULE	EA													1	
RAIN SENSOR															
-2 RS SLW1 WIRED RAIN SENSOR	EA													1	
FLOW SENSOR WITH MASTER VALVE															
3 FS SLFSI-T20 2" TEE TYPE INSERT FLOW SENSOR WITH RAIN BIRD 200-PESBR-PRS-D MASTER VALVE	EA													1	
AIR CARD															
4 AC SL-AIRCARDFLOW3W-GSM AIR CARD W/ FLOW, 3 YR SERVICE PLAN & WARRANTY FOR GZM CELL NETWORK	EA											$\Box \Box \Box$		1	
DECODERS															
-5 D WEATHERMATIC SLDEC1 VALVE DECODER	EA	1	3	3	1		1	1		3		13		27	T
WIRE															T
6 W SMARTLINE - SLWIRE (2 PATH WIRE)	LF													7940	Т
VALVES															T
-7 GV 2" MUELLER A-2360 SERIES RESILIENT WEDGE	EA													Existing	T
-8 SV RAIN BIRD 100-PESBR-PRS-D (INCLUDES VALVE BOX, GRAVEL, BRICKS, FABRIC, ETC.)	EA	1	3	3								7		15	T
-9 SV RAIN BIRD 150-PESBR-PRS-D (INCLUDES VALVE BOX, GRAVEL, BRICKS, FABRIC, ETC.)	EA				1		1	1		3		6		12	1
BLOWOFF					1										T
10 MB MAINLINE BLOWOFF ASSEMBLY	EA				1									Existing	\top
MAINLINE PIPING															T
11 ML 2" HDPE SDR 11	LF													Existing	1
LATERAL PIPING															
12 LL 1" CLASS 200 PURPLE	LF													6380	\top
13 LL 1-1/2" CLASS 200 PURPLE	LF													260	1
14 LL 2" CLASS 200 PURPLE	LF				1								-	40	+
CONDUIT					1										+
15 CO 2" HDPE SDR 11	LF												-	Existing	+
GROUNDING															1
16 GR LIGHTENING ARRESTER - SLGDT	EA	1	3	3	1		1	1		3		13	-+	28	1
SLEEVING													-		1
17 SL 2" HDPE SDR 11	LF				1								-+	Existing	T
NOZZLES					1							\vdash	\rightarrow		+
18 NZ HUNTER FIXED ARC NOZZLE ON PROS-12-CV-R SPRAY BODY - 5' RADIUS NOZZLE	EA	83			1						$\overline{}$	83	\rightarrow	451	T
19 NZ HUNTER FIXED ARC NOZZLE ON PROS-12-CV-R SPRAY BODY - 10' RADIUS NOZZLE	EA		53	50	20		20	20		65	$\overline{}$	228	-+	367	+
WATER SOURCE	1				1								-+		+
20 RU CONNECTION TO CITY REUSE LINE	EA				+	1					$\overline{}$		-+	1	+-
21 F NETAFIM FILTER POC-TF20918-100RW	EA				+	+			+				-+	1	+-

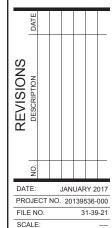
JOHNSON ENGINEERING

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RLA NO. LA-6667059

CITY OF NORTH PORT

SOUTH BISCAYNE DRIVE SARASOTA COUNTY, FLORIDA



IRRIGATION TABULATION OF QUANTITIES

SHEET NUMBER

L06

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		IRRIG	GA1	ΓΙΟΝ	TAB	ULA	TION	OF (1AUÇ	ITITI	ES											
	Т		Т							MEDIAN	NUMBERS										$\overline{}$	$\overline{}$
	SYM.	DESCRIPTION	UNIT	MEDIA	N #15	MEDIA	AN #16	MEDIA	AN #17	MEDIA		MEDI	AN #19	MEDIAN #20		MEDIAN #21		TOTAL TH	IIS SHEET	GRAND	TOTAL	REF. SHEET
NO.				PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	SHEET
		CONTROLLER																			\neg	
B-1	С	SPPED-ENC PEDESTAL MOUNTED SL1600 CONTROLLER WITH SLM48DM DECODER MODULE	EA																	1		
	1	RAIN SENSOR	1 1																			
B-2	RS	SLW1 WIRED RAIN SENSOR	EA																	1		
		FLOW SENSOR WITH MASTER VALVE																				
B-3	FS	SLFSI-T20 2" TEE TYPE INSERT FLOW SENSOR WITH RAIN BIRD 200-PESBR-PRS-D MASTER VALVE	EA																	1		
		AIR CARD	\Box																			
B-4	AC	SL-AIRCARDFLOW3W-GSM AIR CARD W/ FLOW, 3 YR SERVICE PLAN & WARRANTY FOR GZM CELL NETWORK	EA																	1		
		DECODERS																				
B-5	D	WEATHERMATIC SLDEC1 VALVE DECODER	EA	1		1		1		1		1		1		1		7		27		
		WIRE	\Box																			
B-6	W	SMARTLINE - SLWIRE (2 PATH WIRE)	LF																	7940		
		VALVES																				
B-7		2" MUELLER A-2360 SERIES RESILIENT WEDGE	EA																	Existing		
B-8	SV	RAIN BIRD 100-PESBR-PRS-D (INCLUDES VALVE BOX, GRAVEL, BRICKS, FABRIC, ETC.)	EA							1						1		2		15		
B-9		RAIN BIRD 150-PESBR-PRS-D (INCLUDES VALVE BOX, GRAVEL, BRICKS, FABRIC, ETC.)	EA	1		1		1				1		1				5		12		
		BLOWOFF																				
B-10		MAINLINE BLOWOFF ASSEMBLY	EA																	Existing		
		MAINLINE PIPING																				
B-11	_	2" HDPE SDR 11	LF																	Existing		
		LATERAL PIPING																				
		1" CLASS 200 PURPLE	LF																	6380		
B-13		1-1/2" CLASS 200 PURPLE	LF																	260		
B-14	LL	2" CLASS 200 PURPLE	LF																	40		
	L	CONDUIT	\perp																			
B-15	CO	2" HDPE SDR 11	LF																	Existing		

21

30

18

19

19

12

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EA

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20

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28

Existing

367

OF NORTH PORT CITY

SOUTH BISCAYNE DRIVE SARASOTA COUNTY, FLORIDA



IRRIGATION **TABULATION OF** QUANTITIES

31-39-21

FILE NO.

SCALE:

SHEET NUMBER

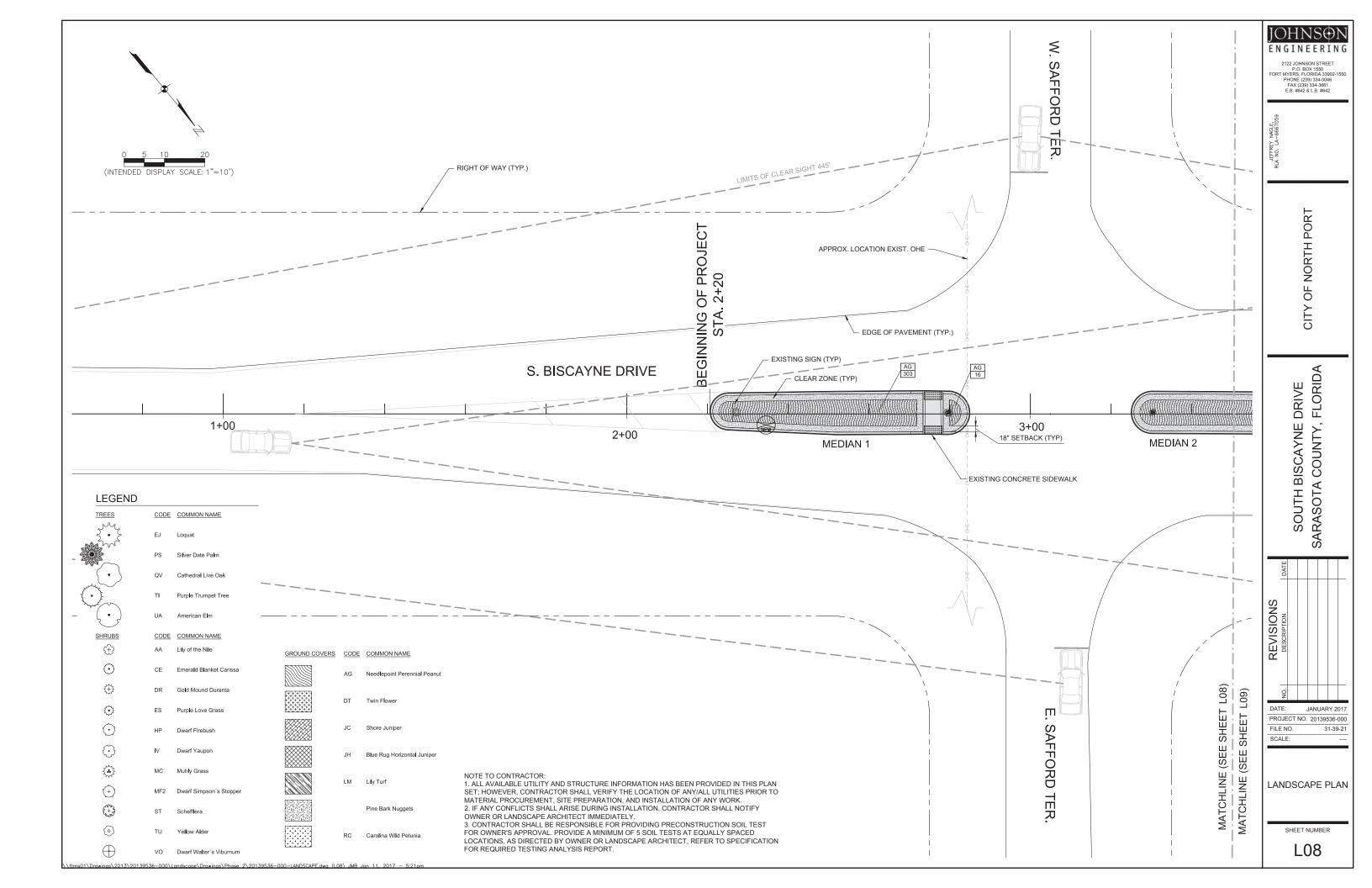
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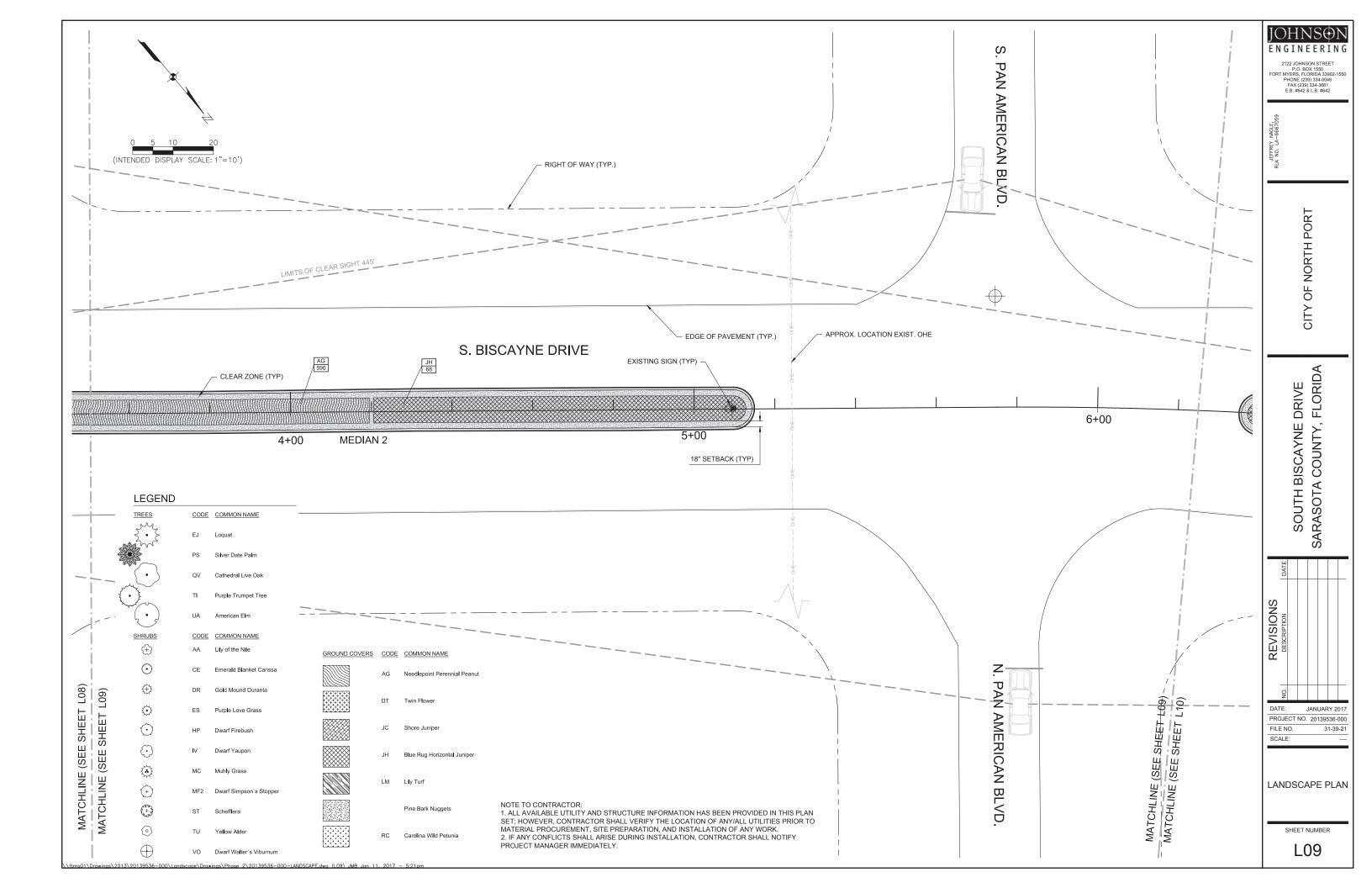
B-18 NZ HUNTER FIXED ARC NOZZLE ON PROS-12-CV-R SPRAY BODY - 5' RADIUS NOZZLE
B-19 NZ HUNTER FIXED ARC NOZZLE ON PROS-12-CV-R SPRAY BODY - 10' RADIUS NOZZLE

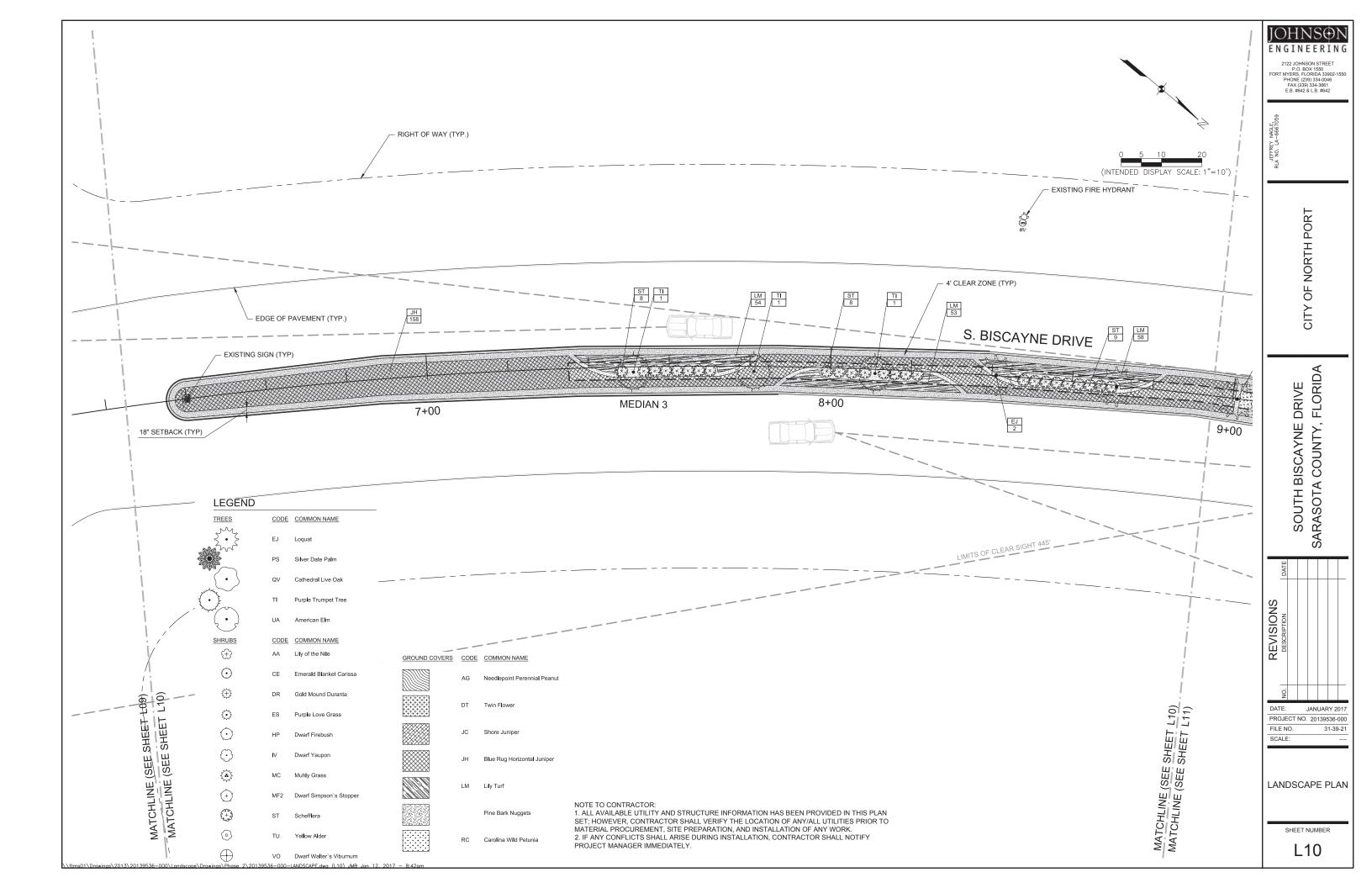
GROUNDING B-16 GR LIGHTENING ARRESTER - SLGDT

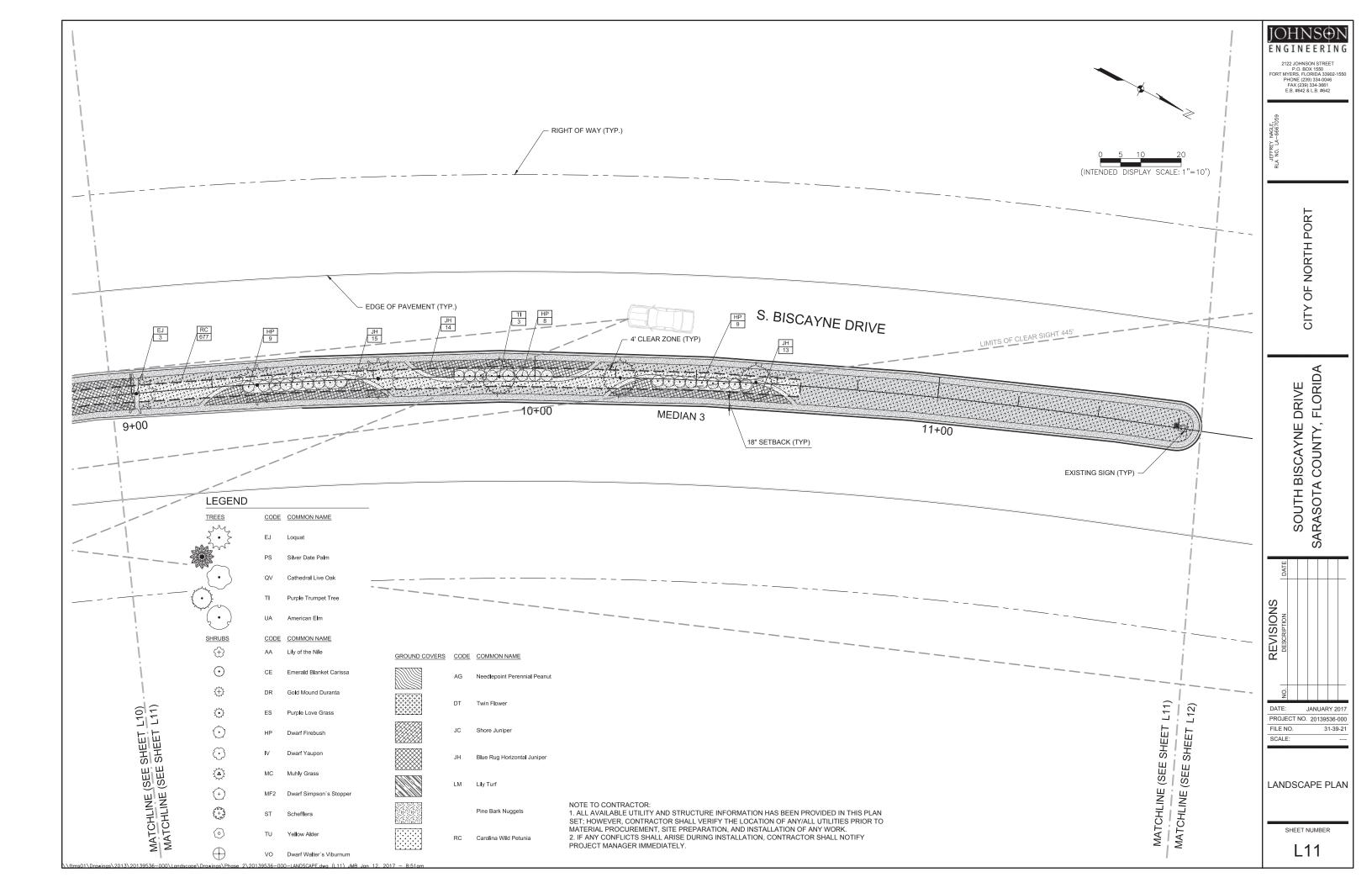
WATER SOURCE B-20 RU CONNECTION TO CITY REUSE LINE
B-21 F NETAFIM FILTER POC-TF20918-100RW

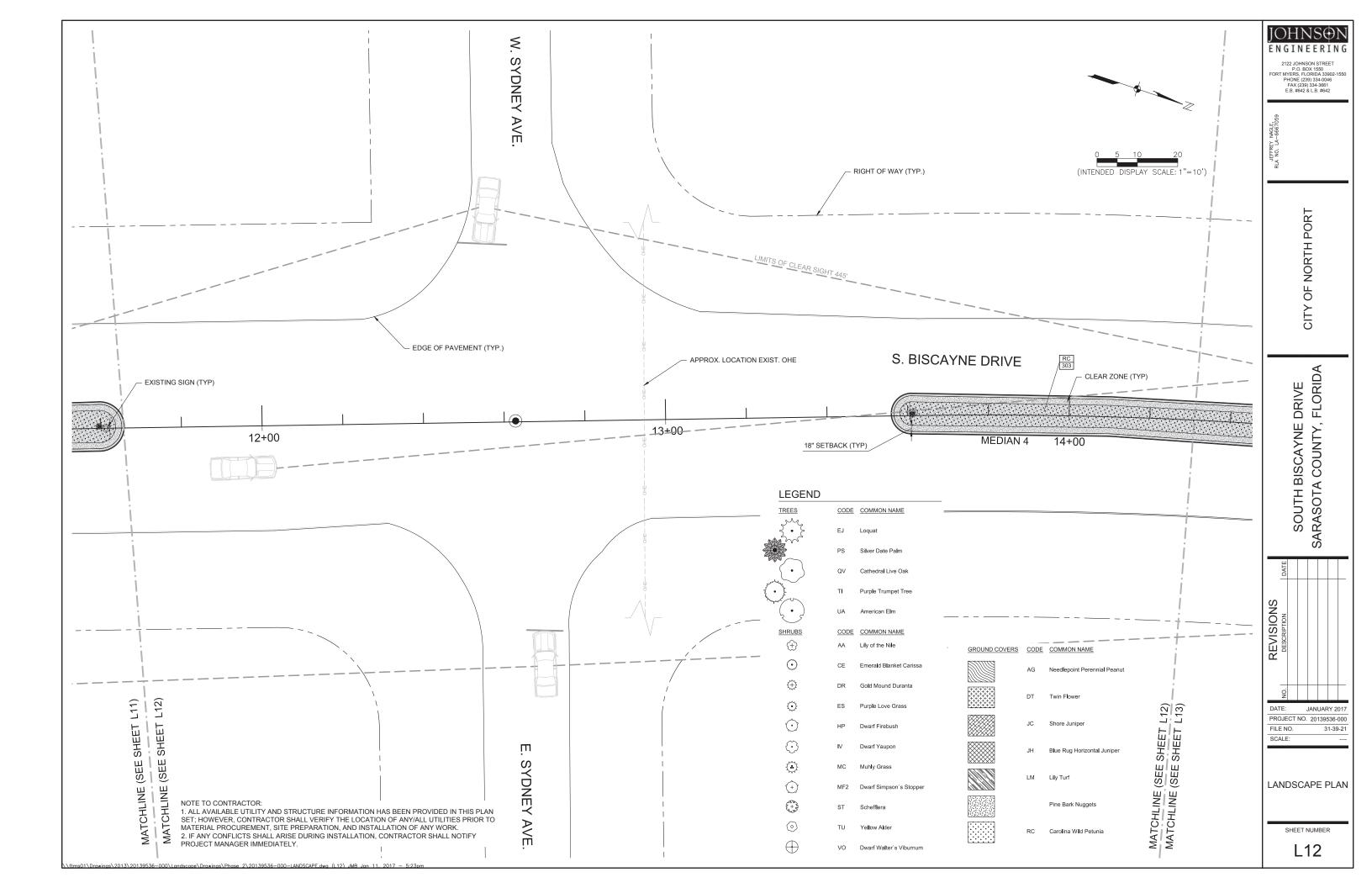
| SLEEVING |
| B-17 | SL | 2" | HDPE | SDR | 11 |
| NOZZLES |

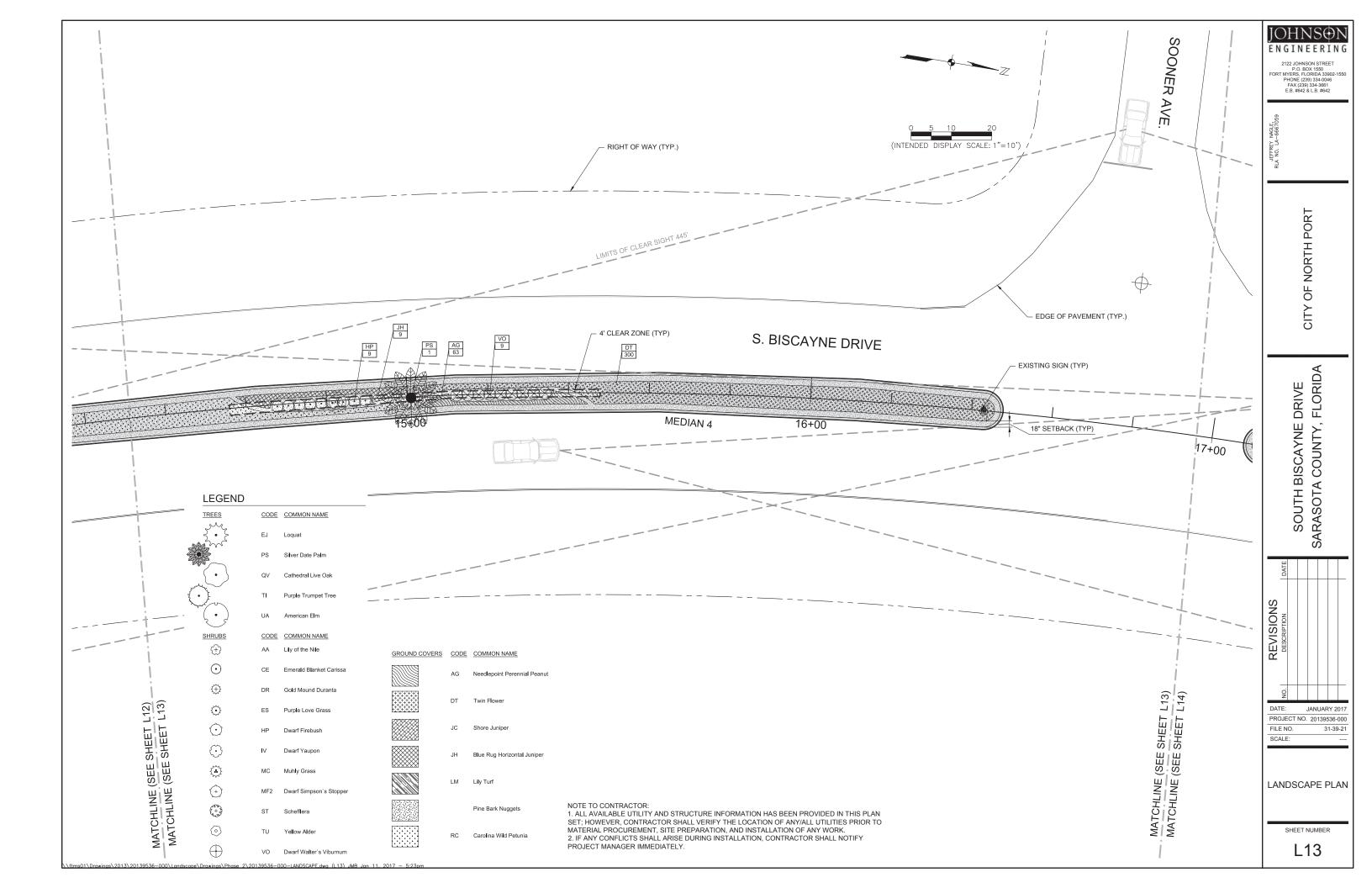


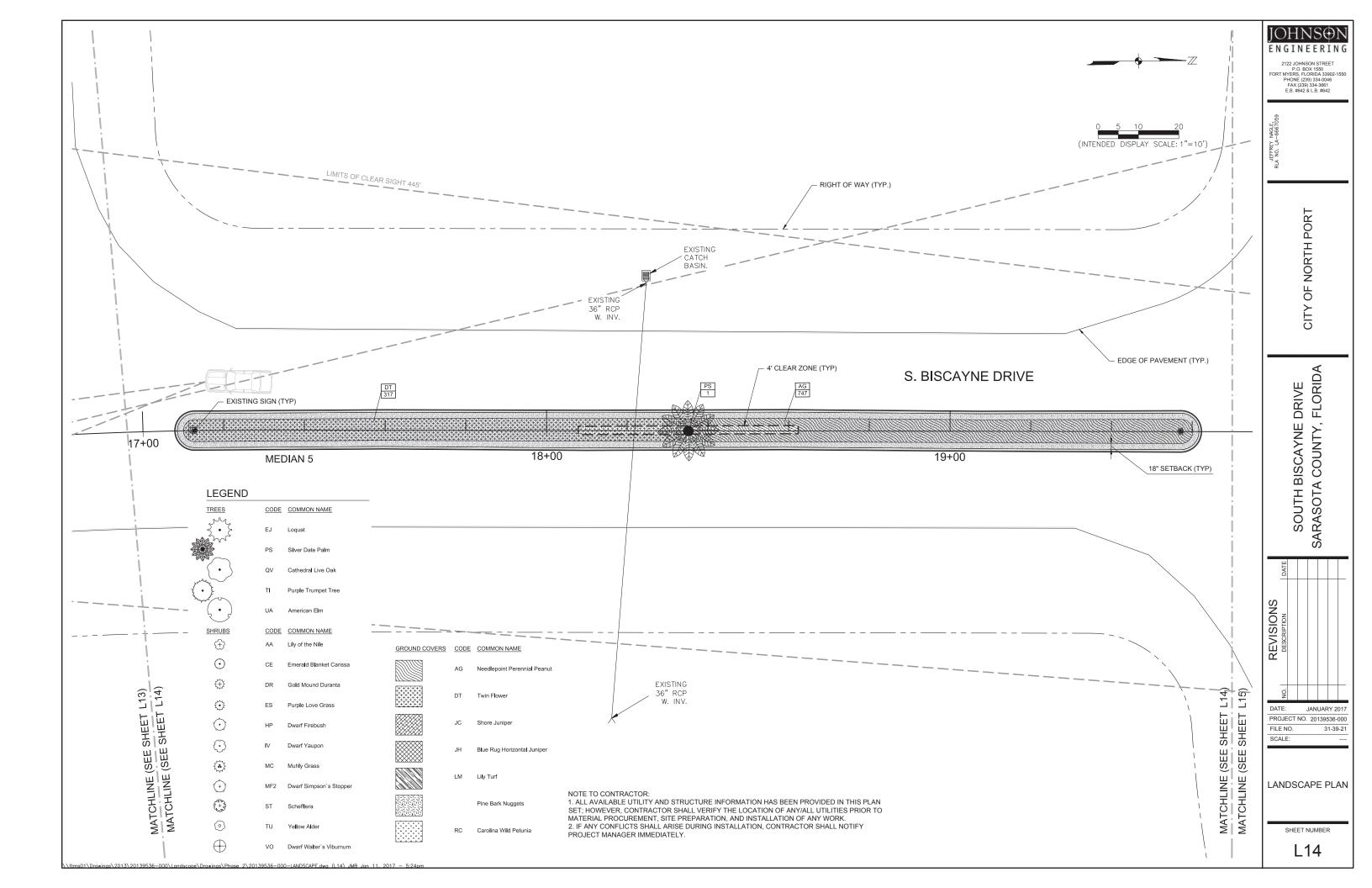


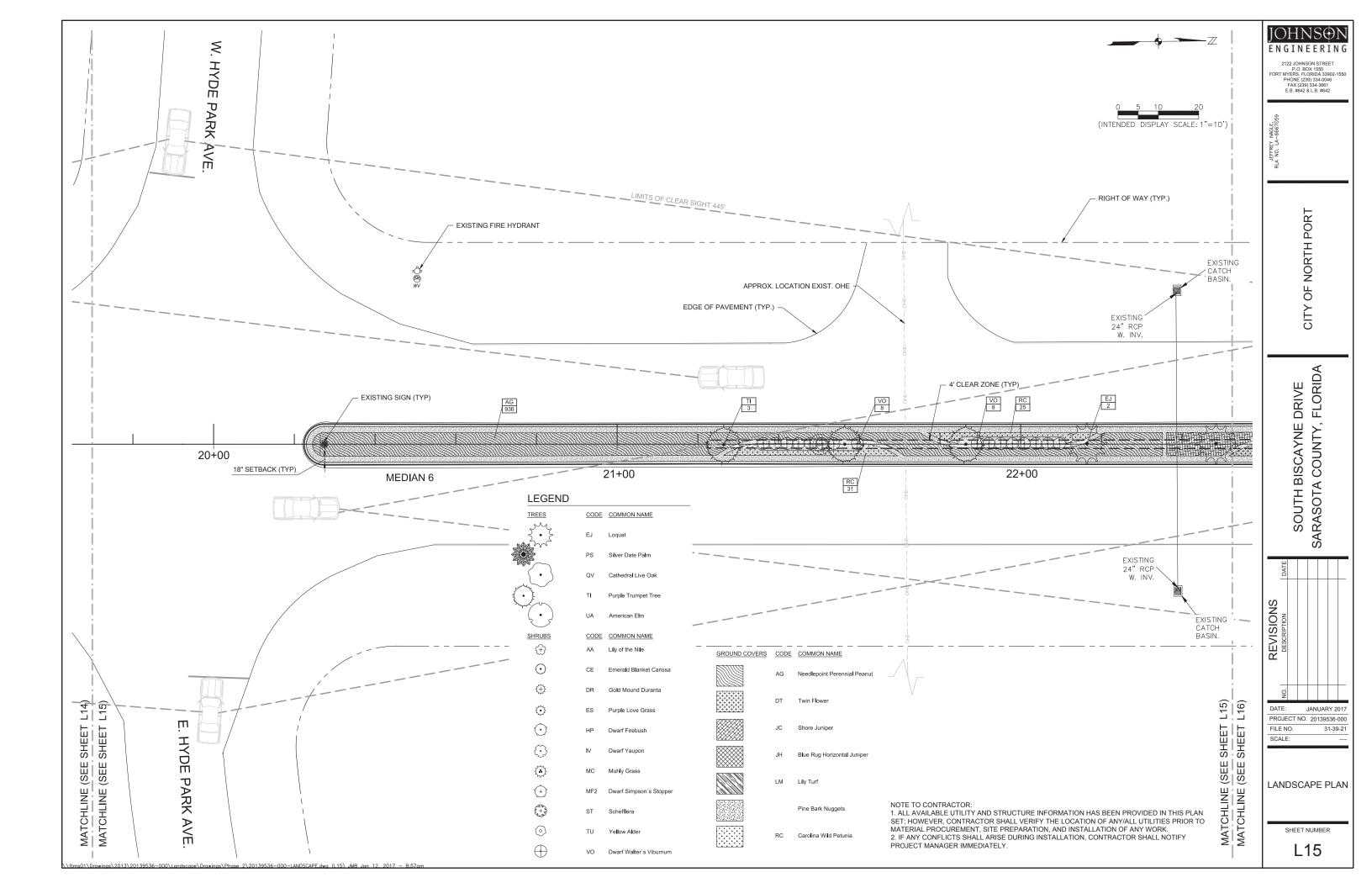


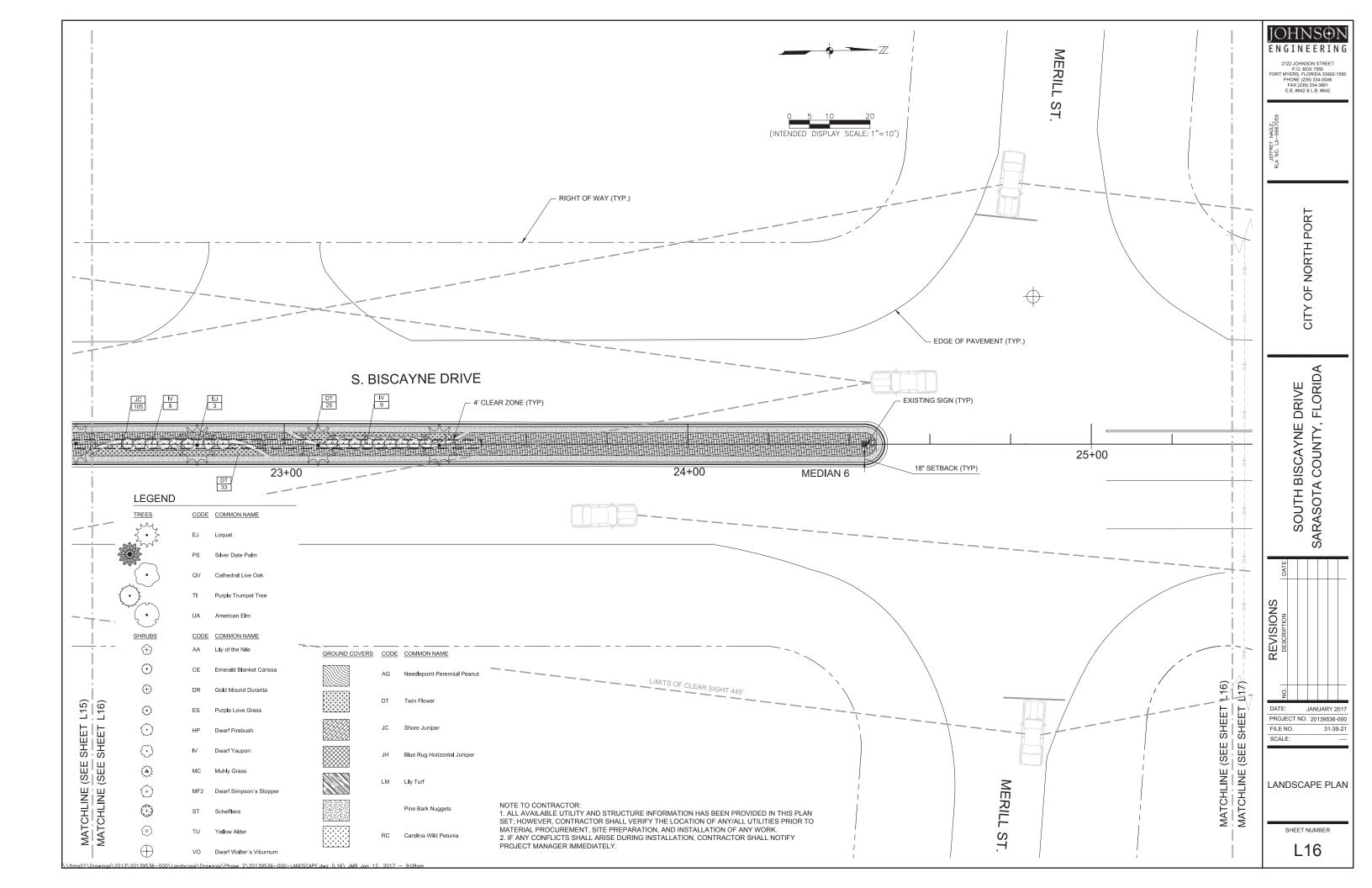


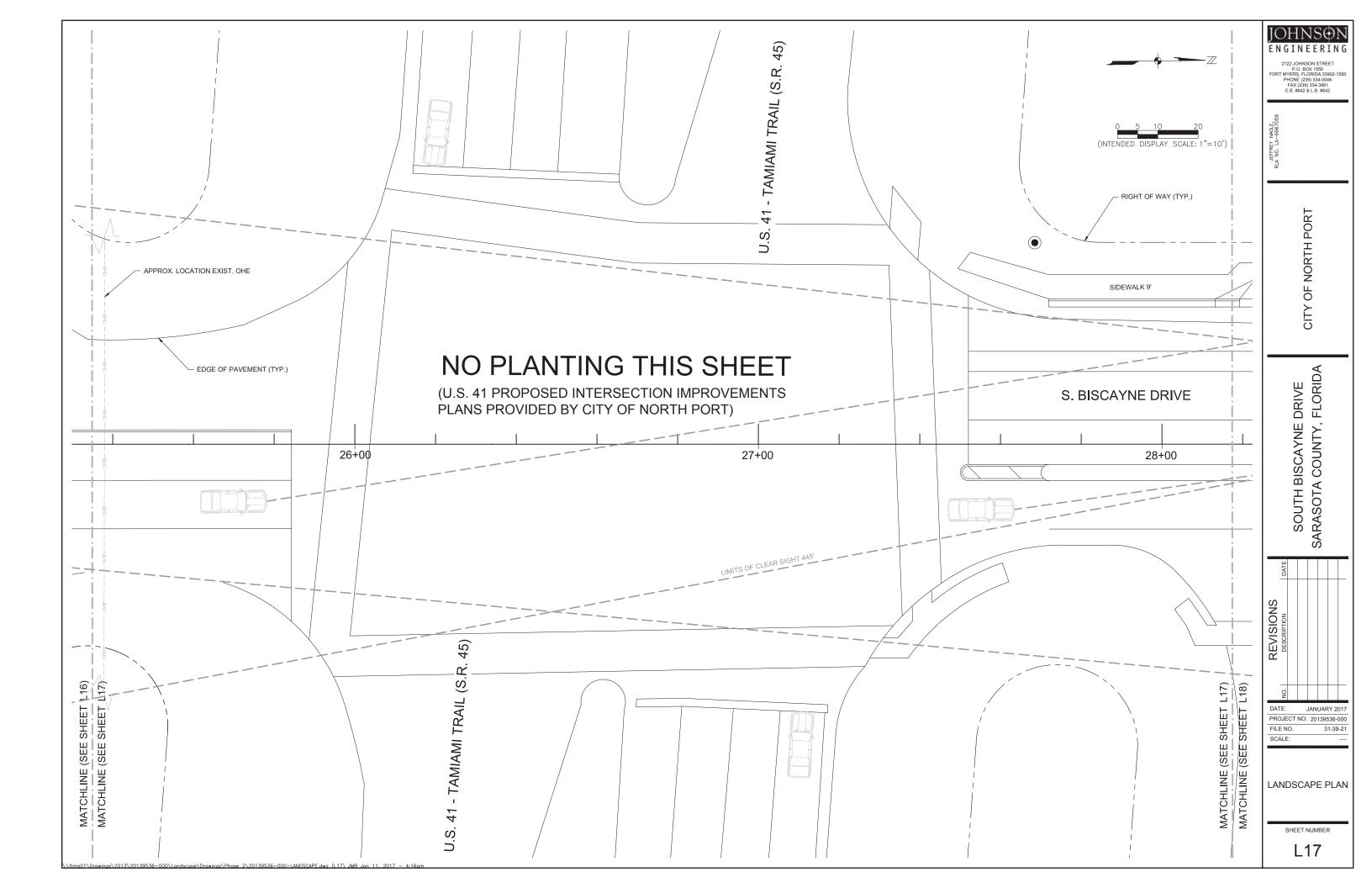


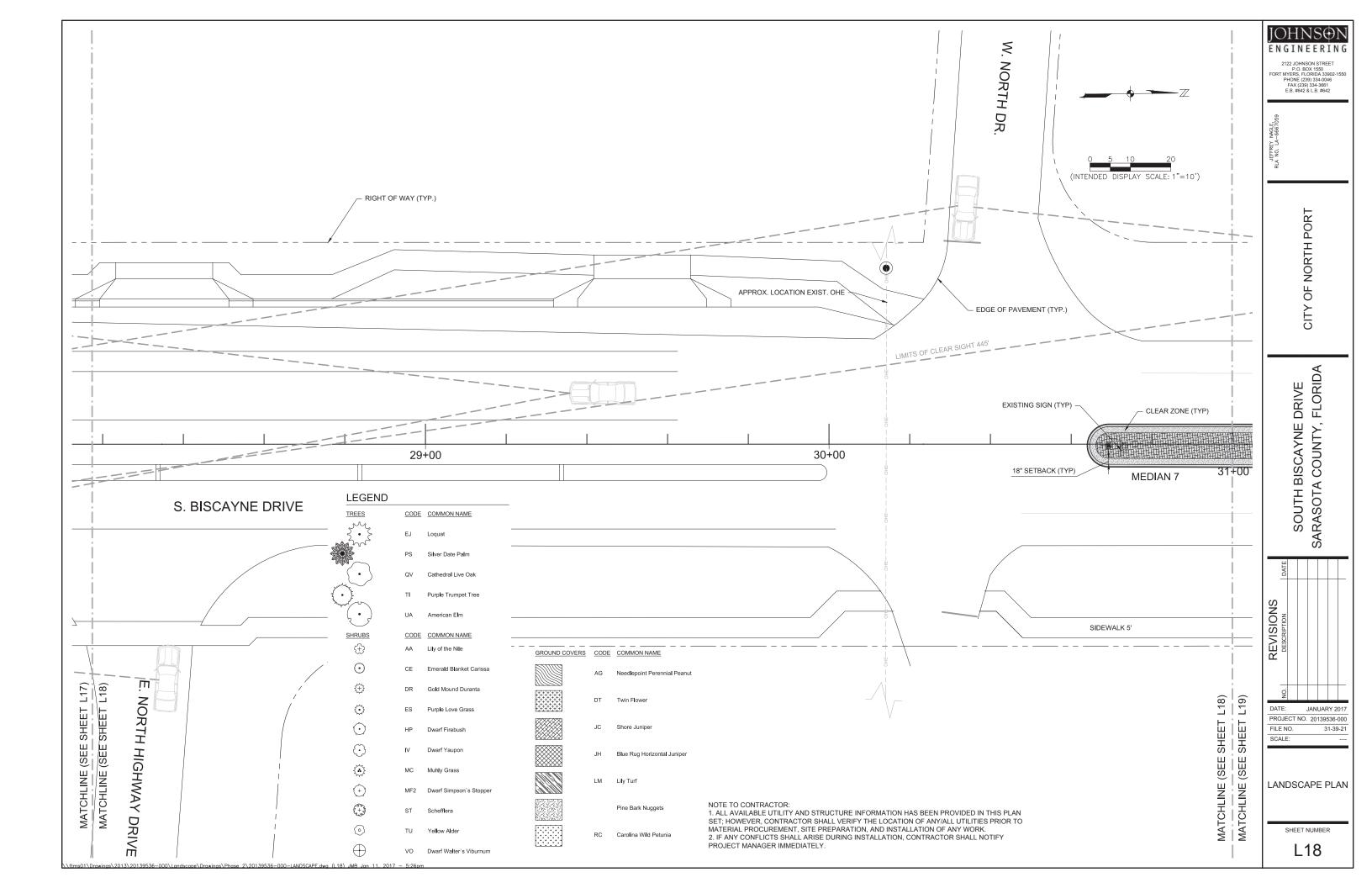


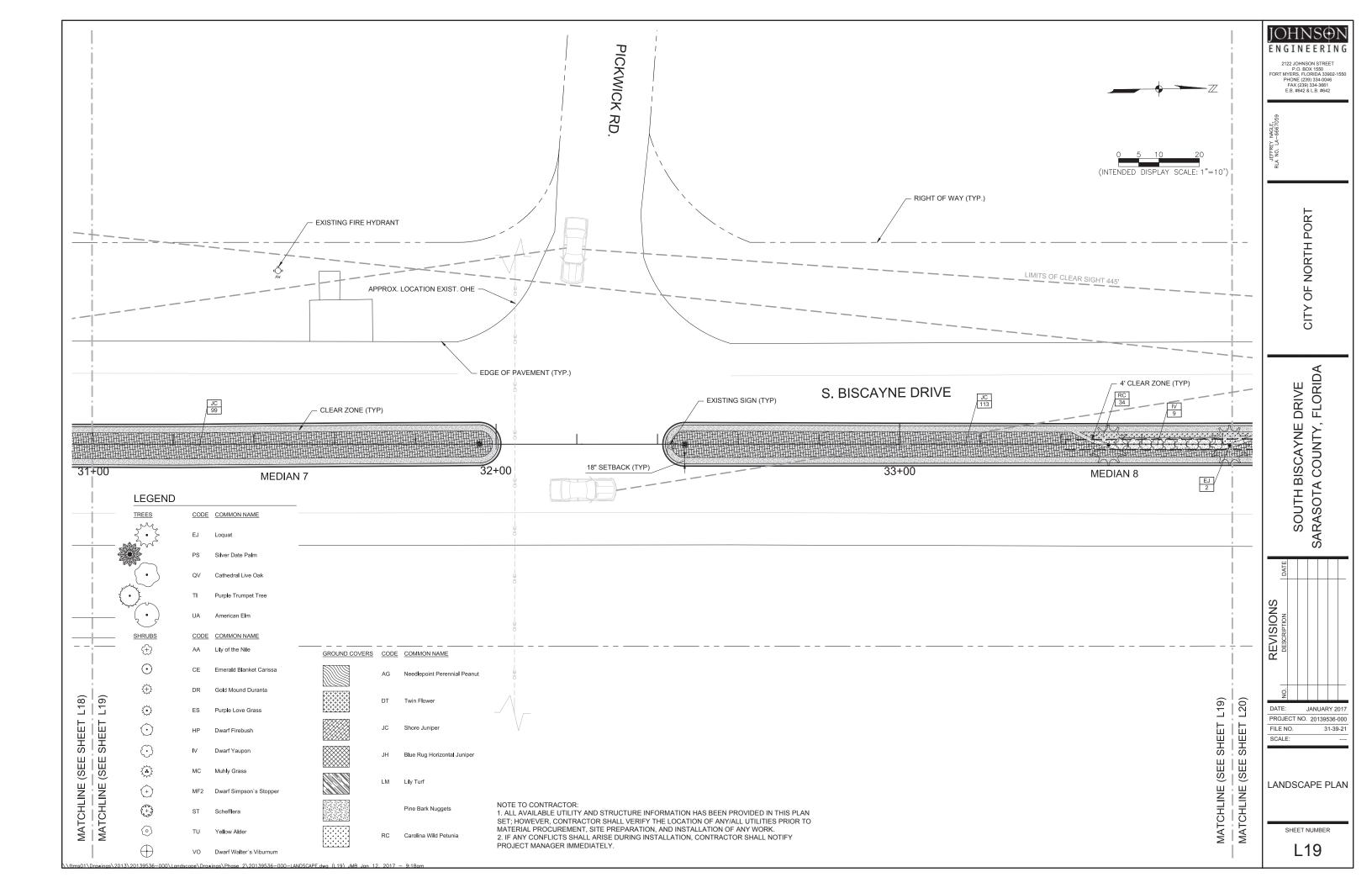


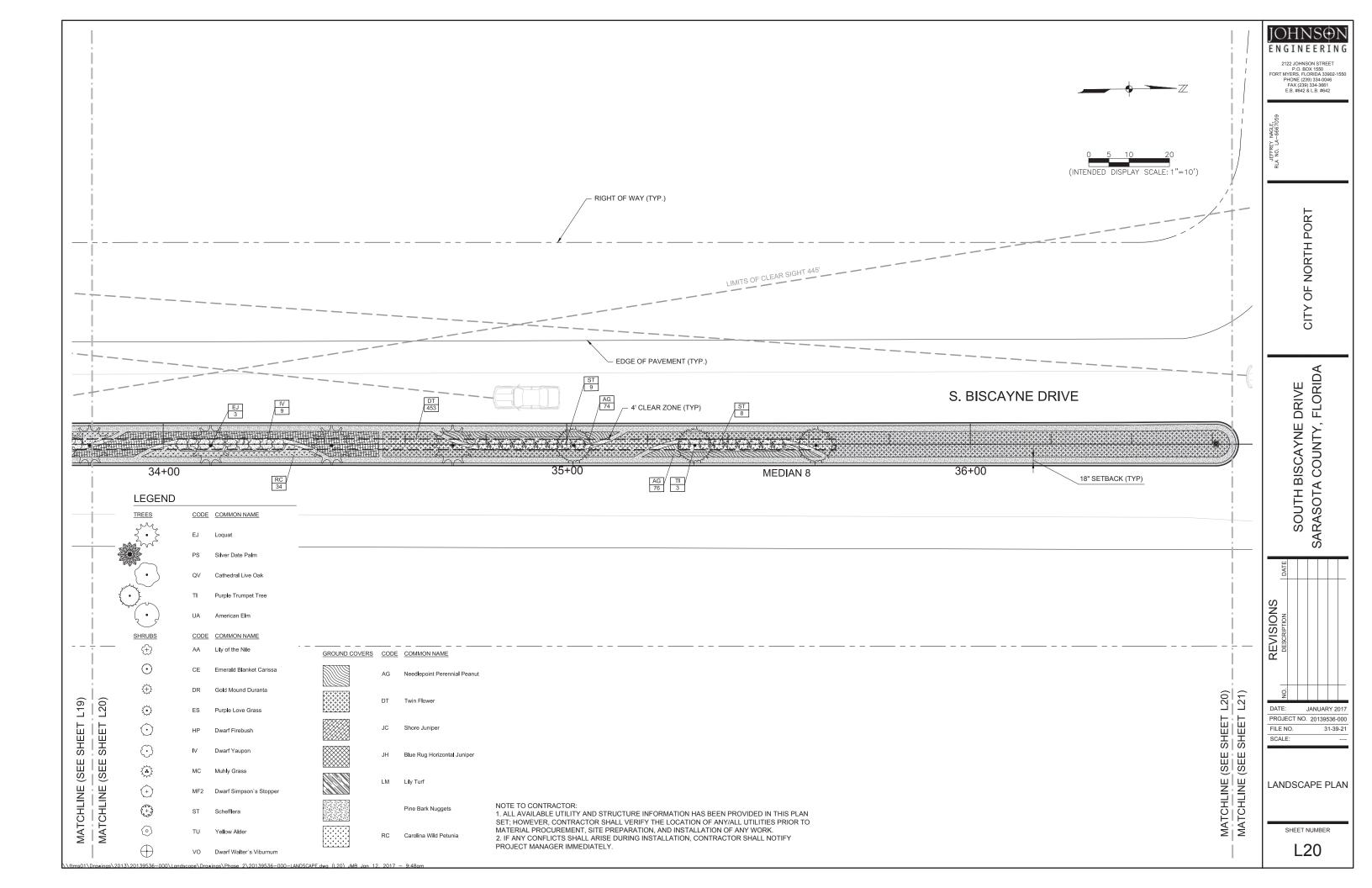


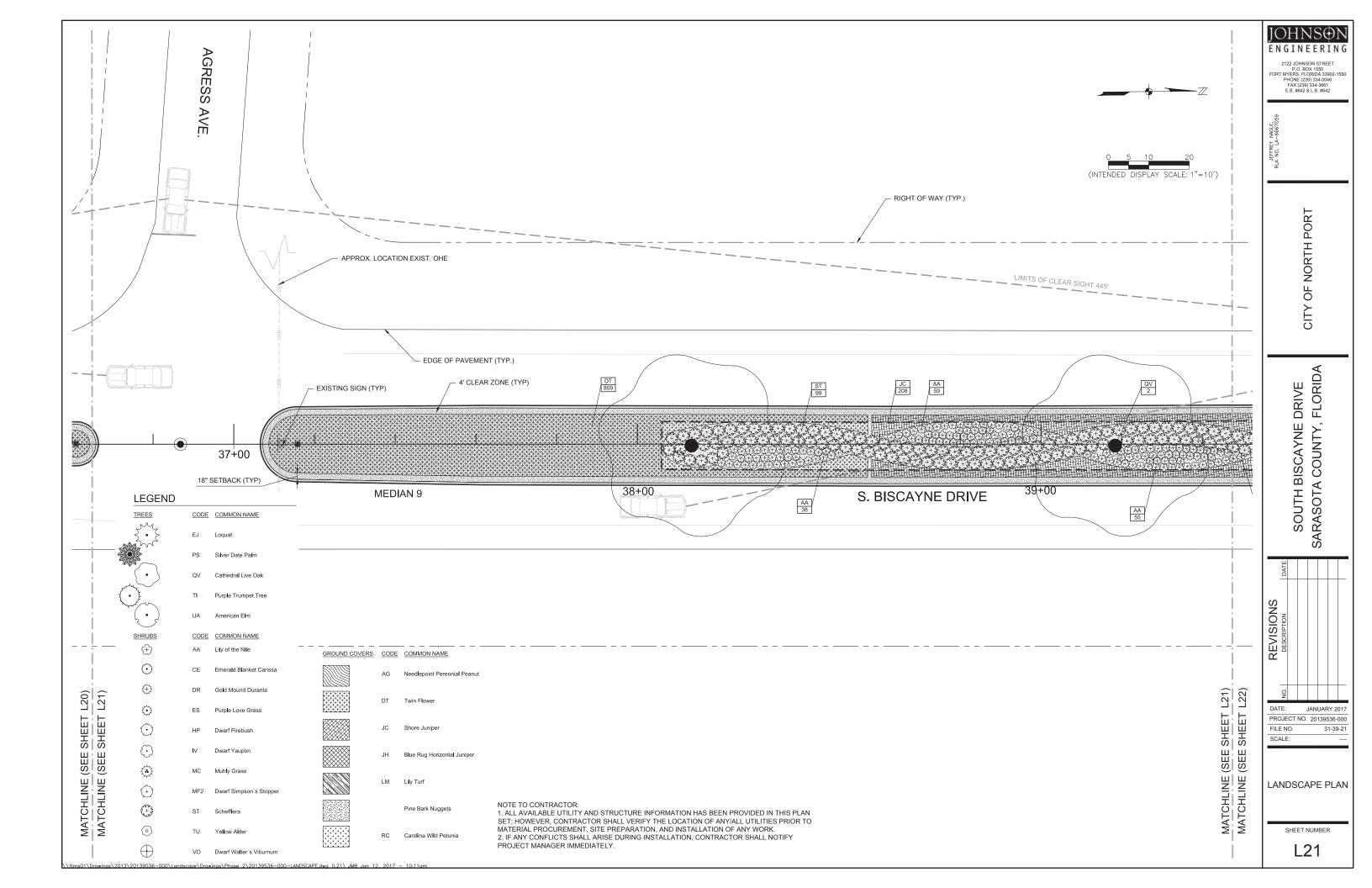


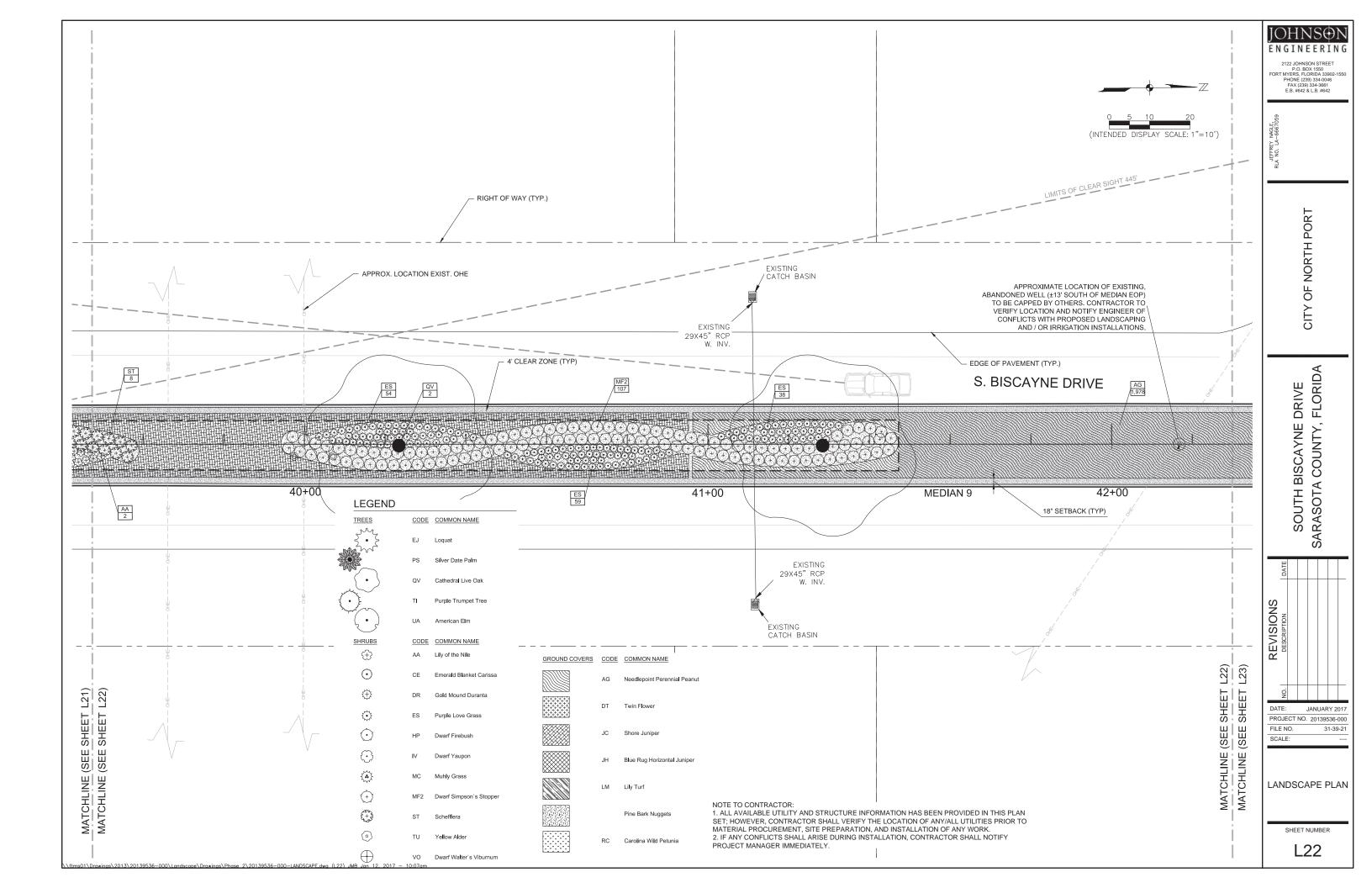


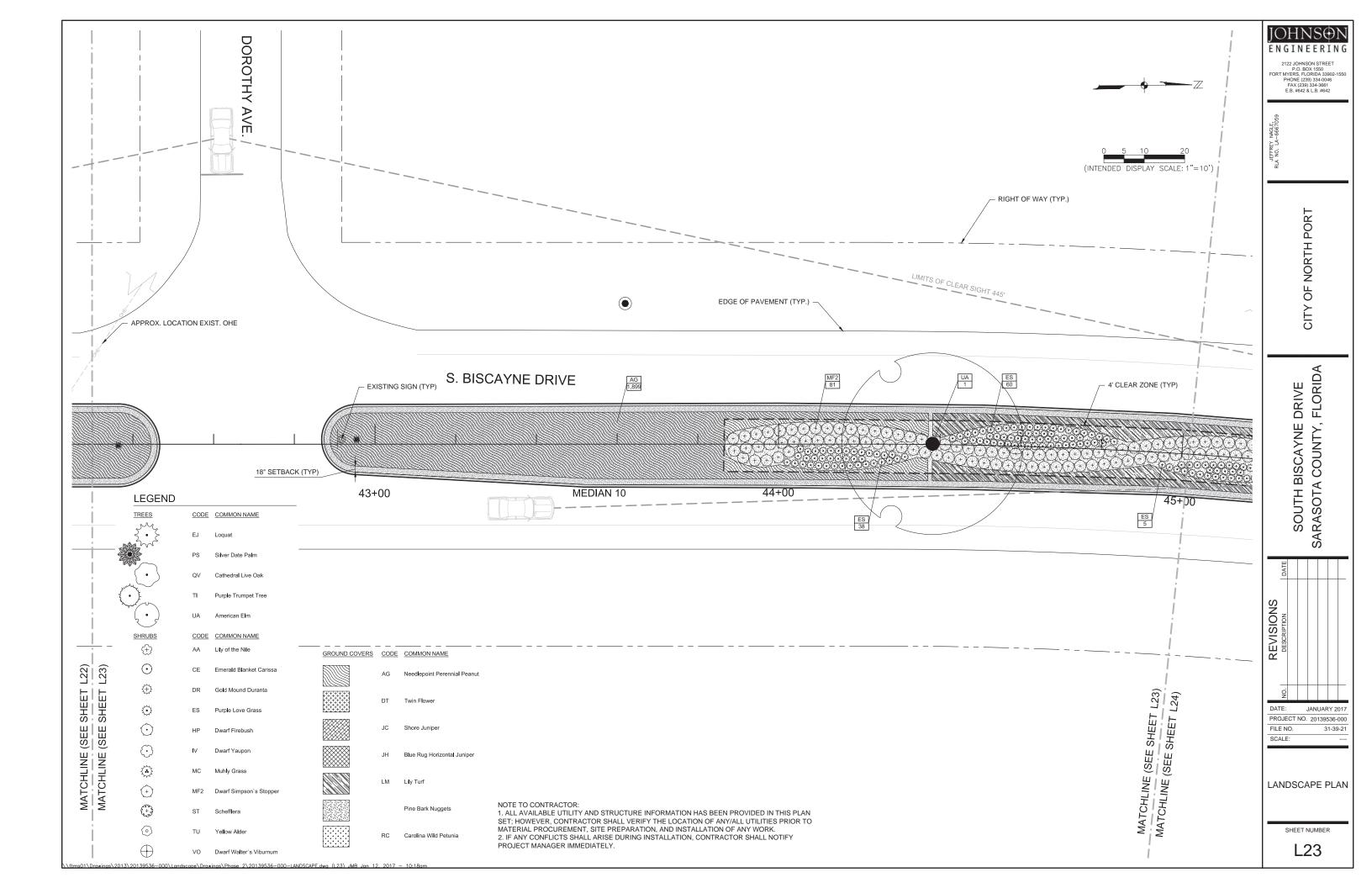


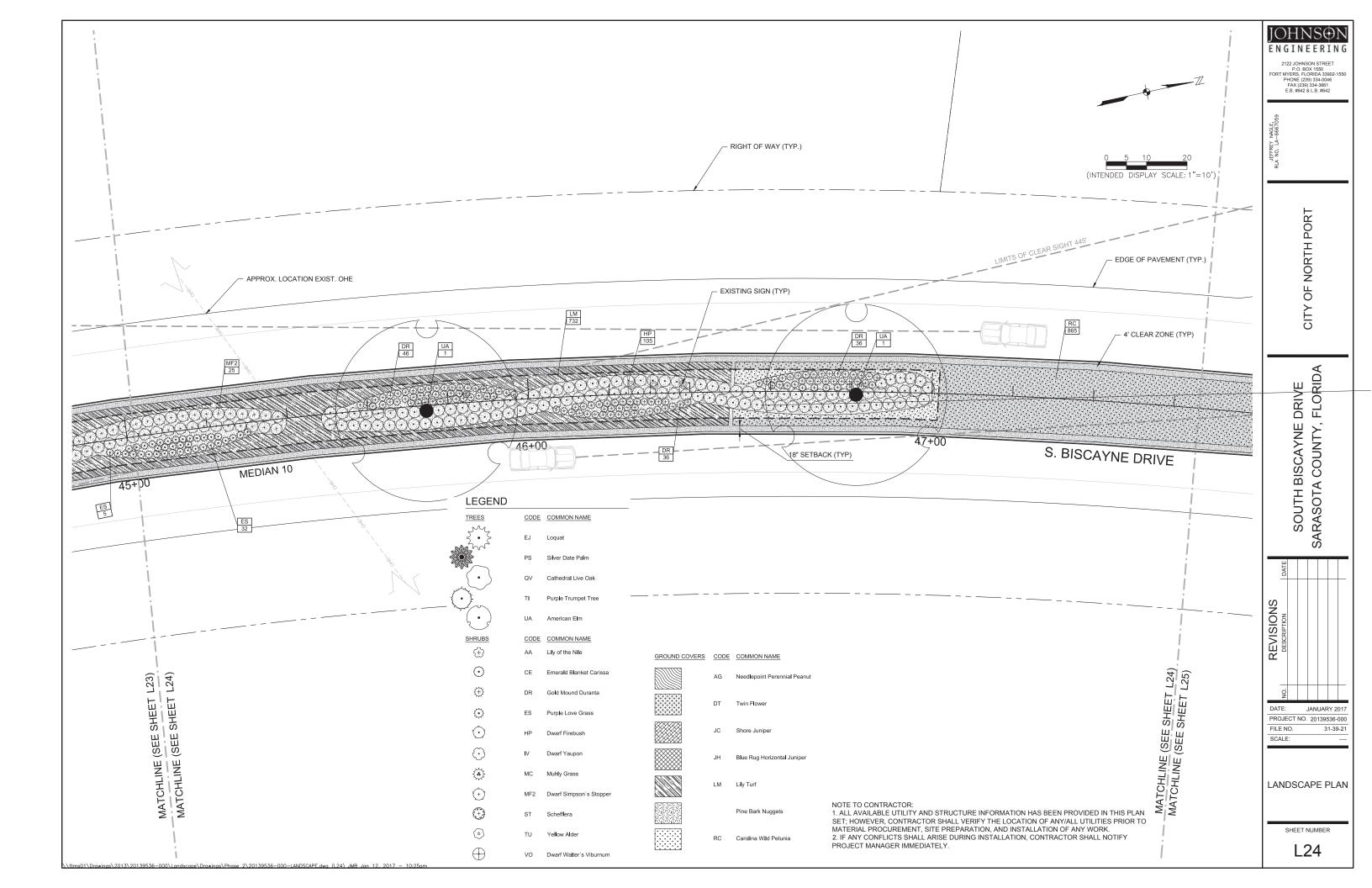


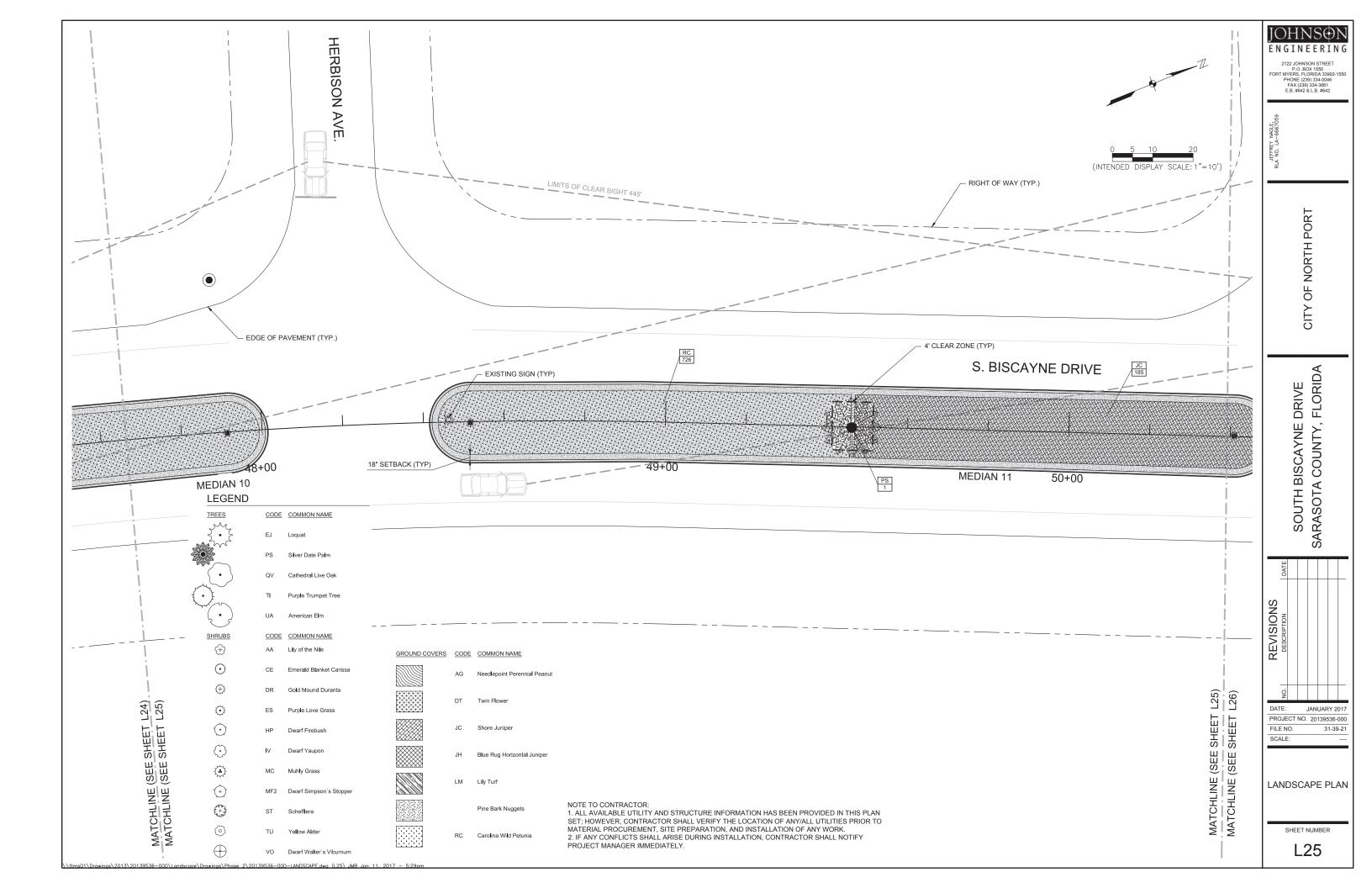


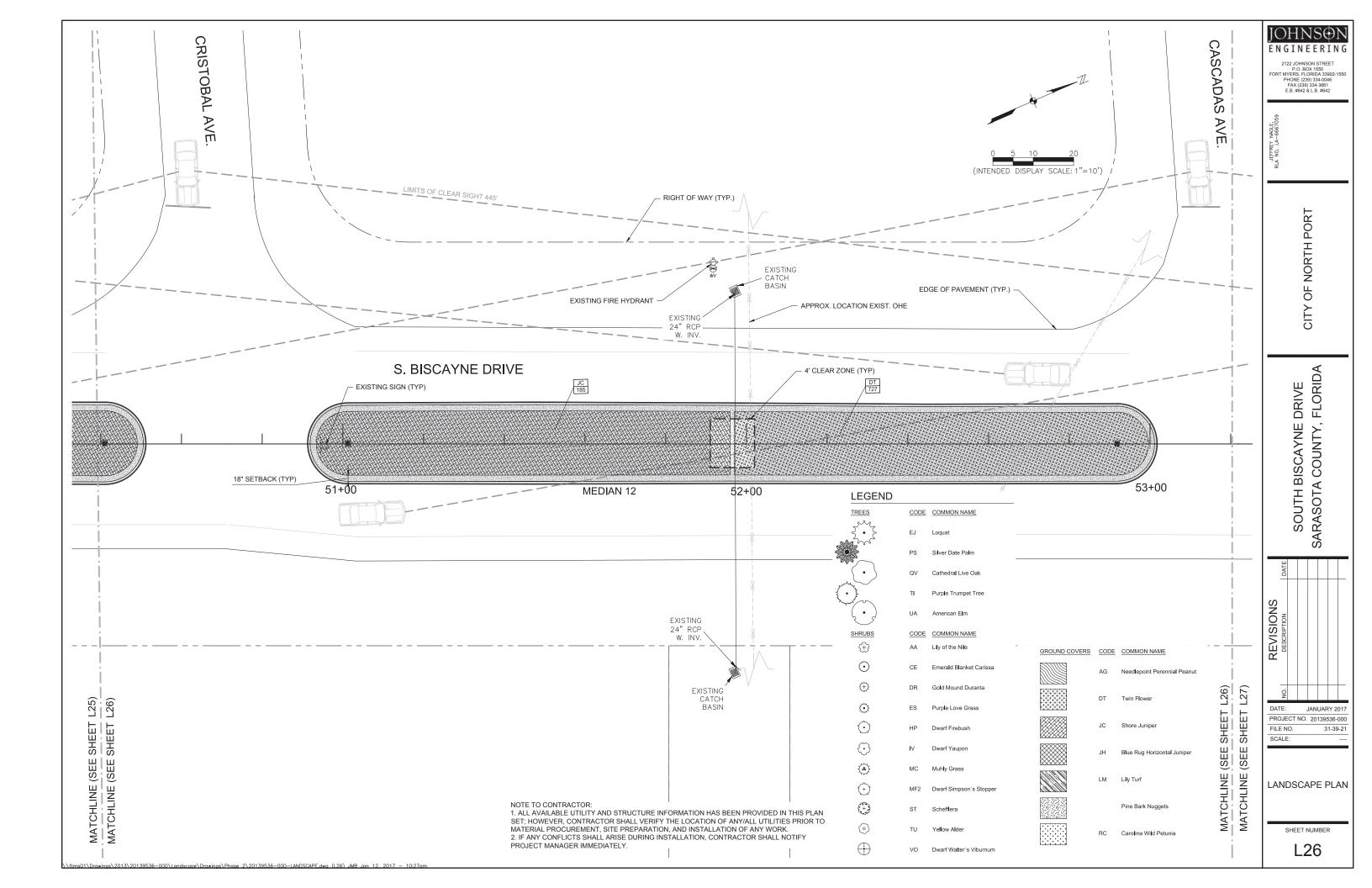


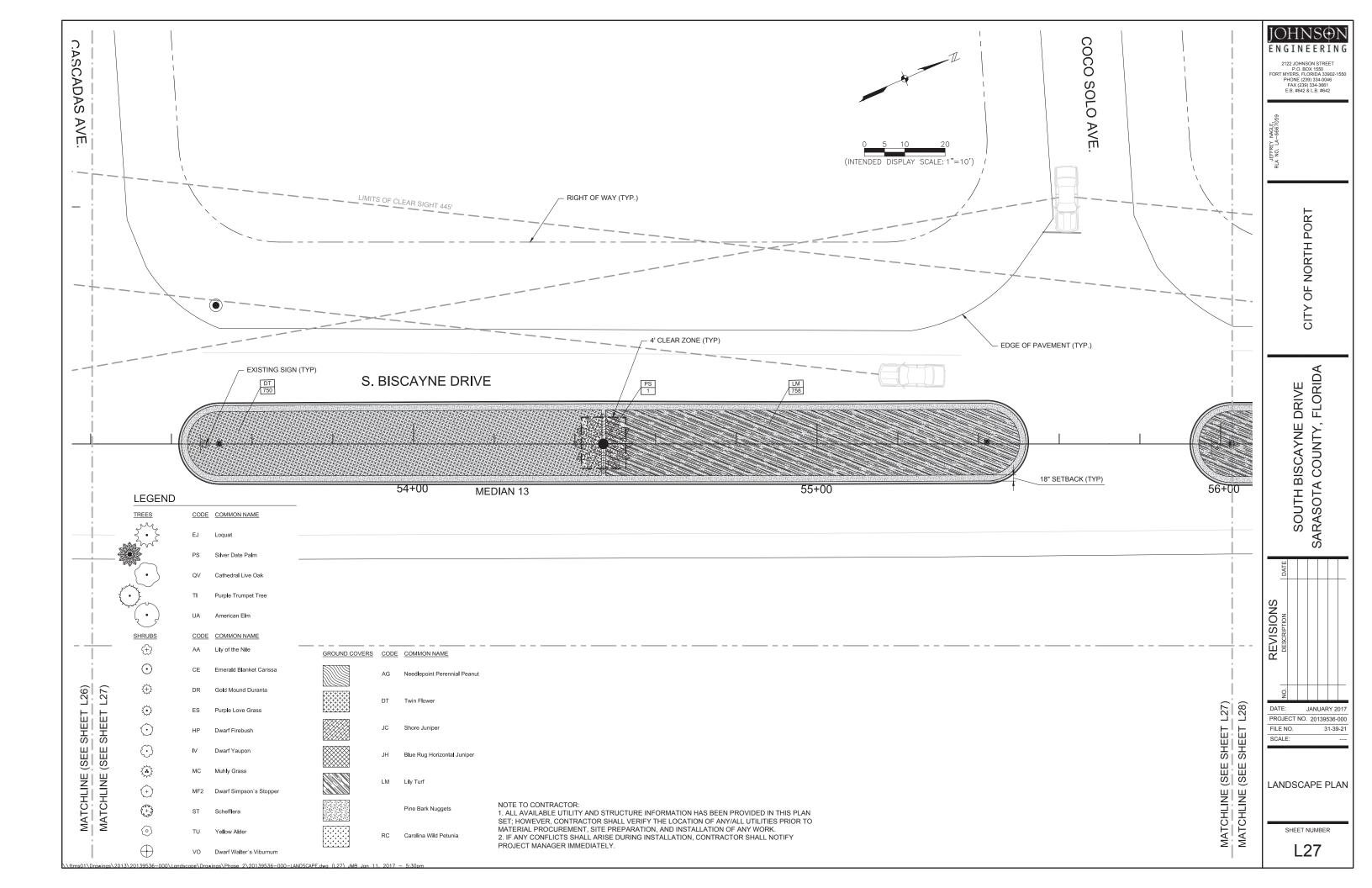


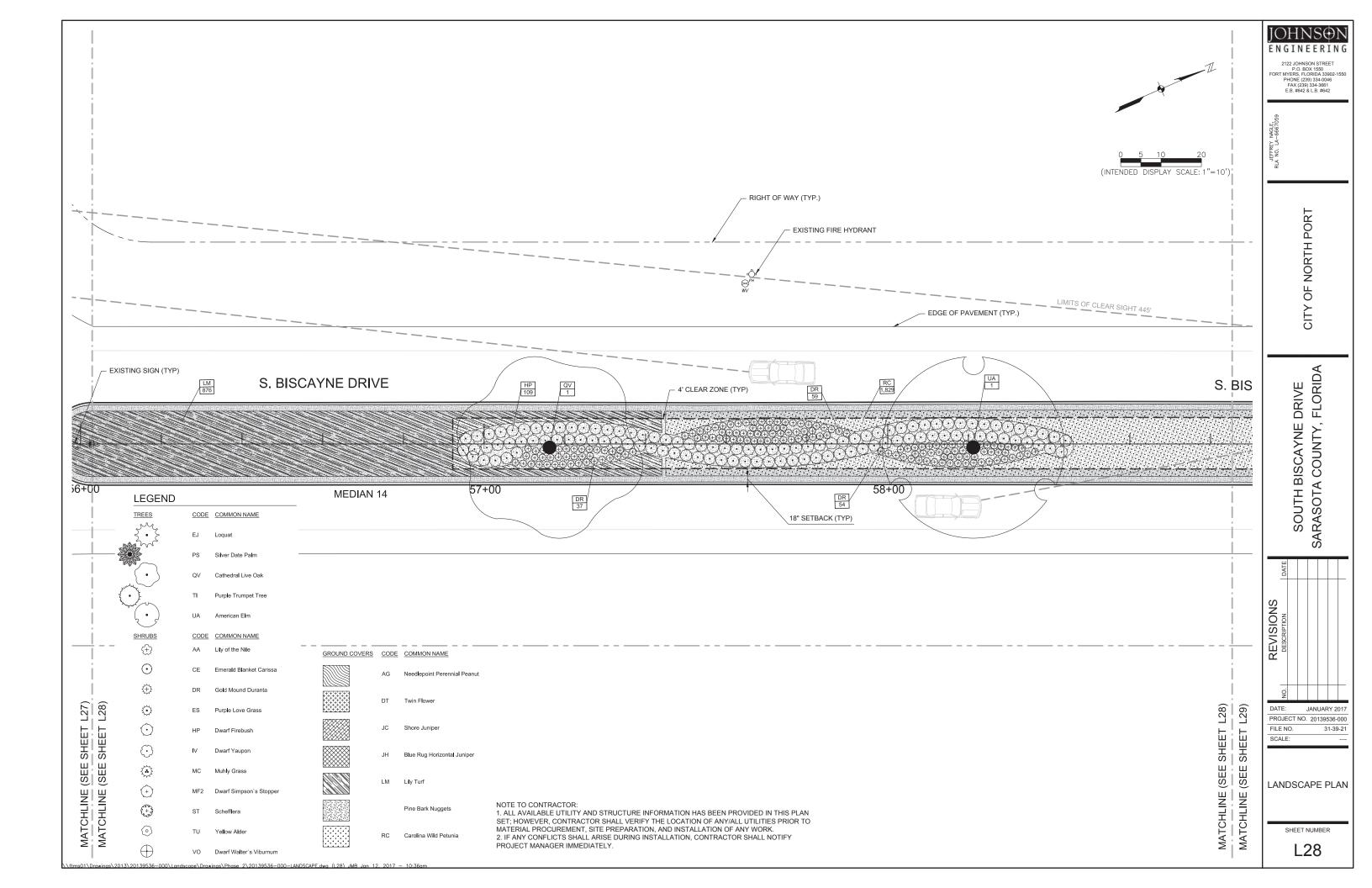


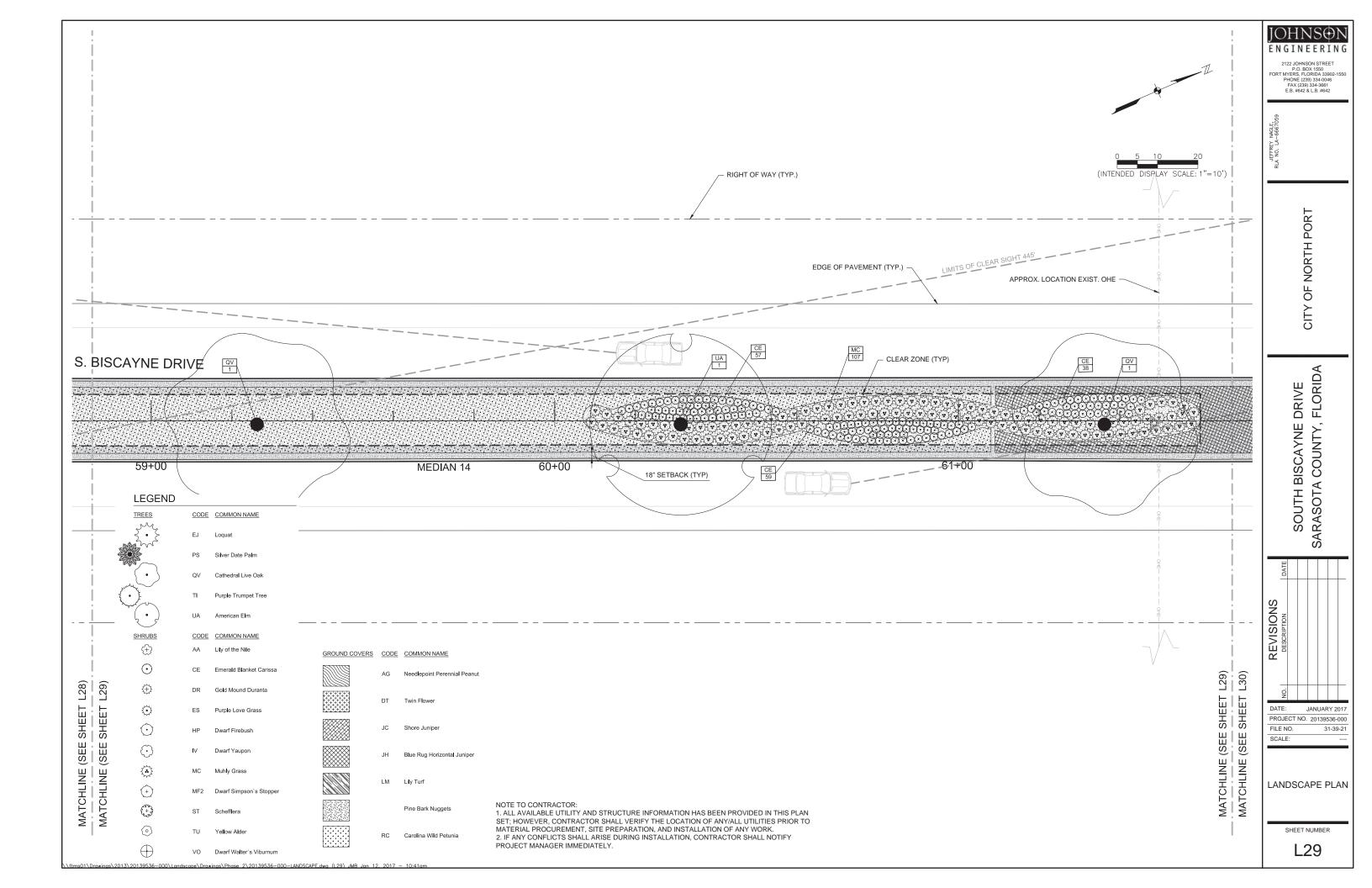


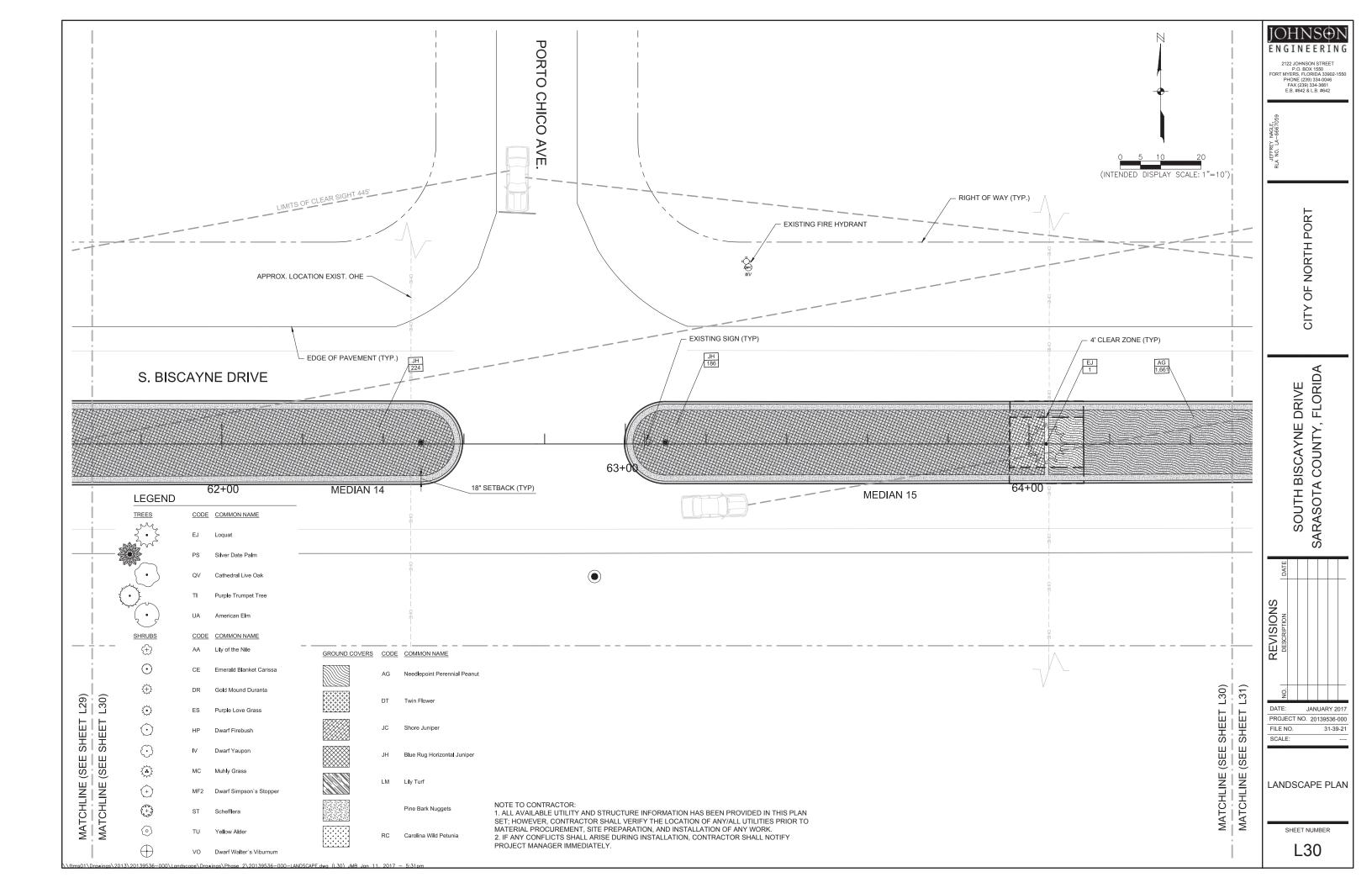


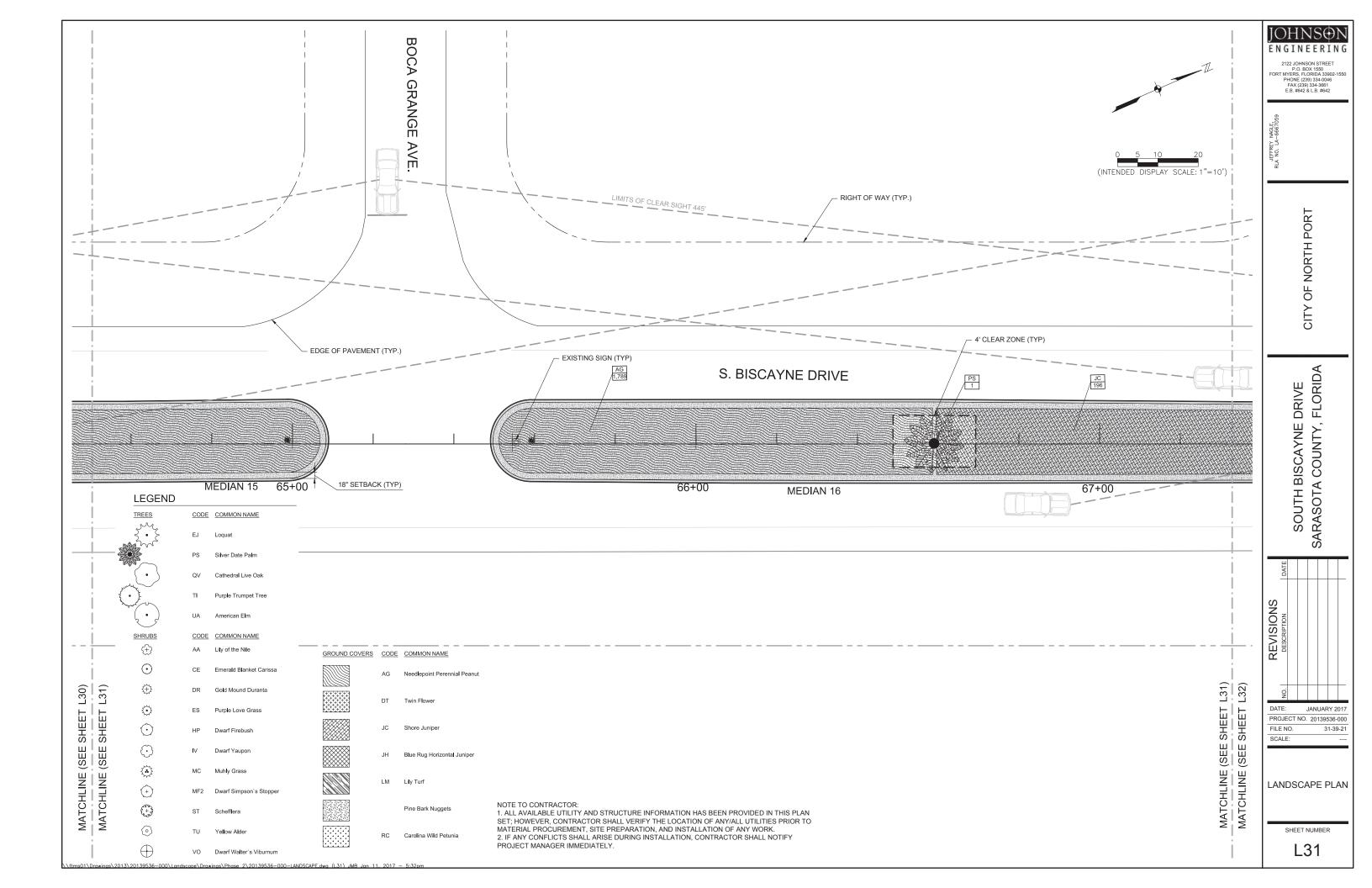


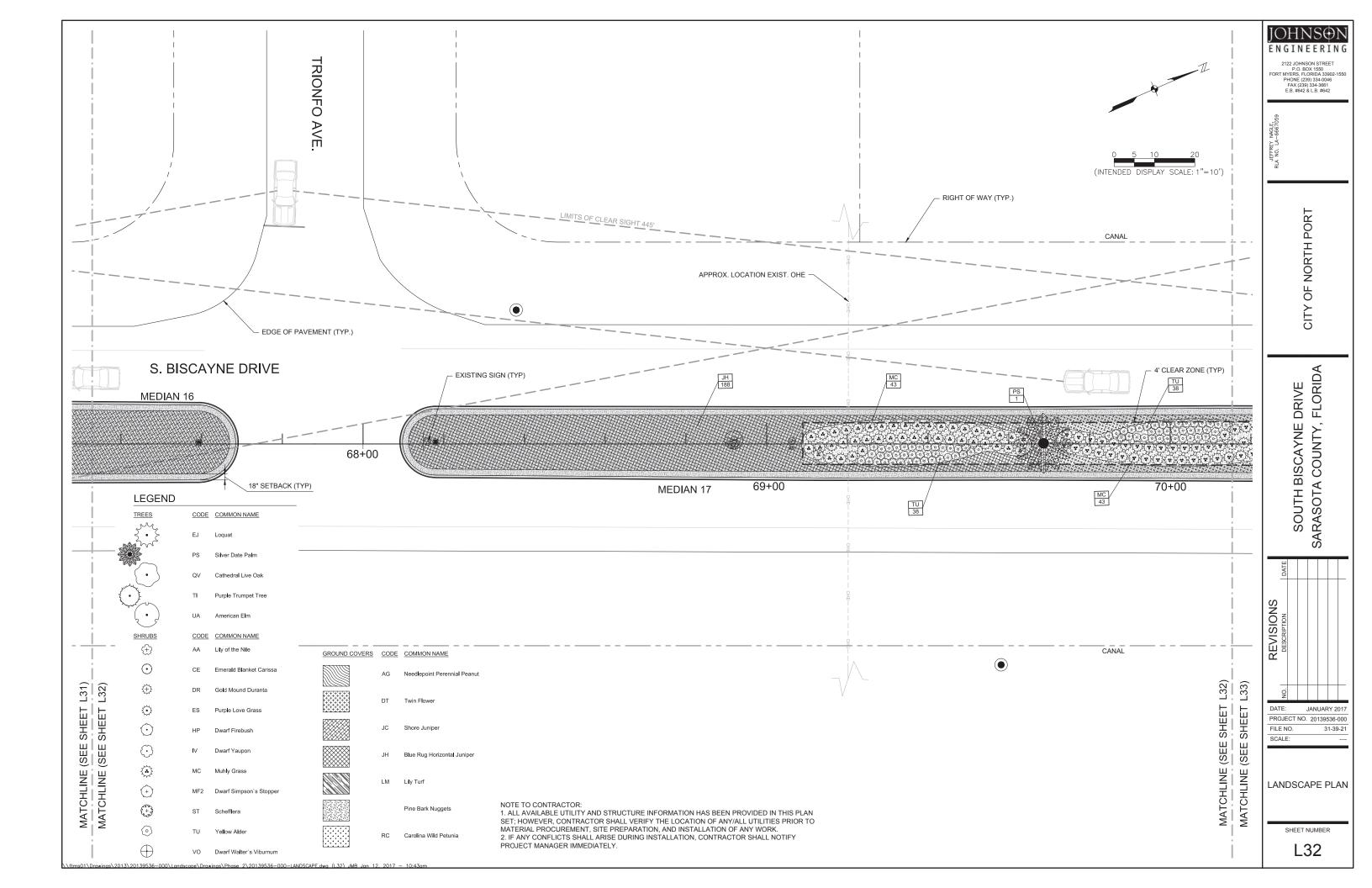


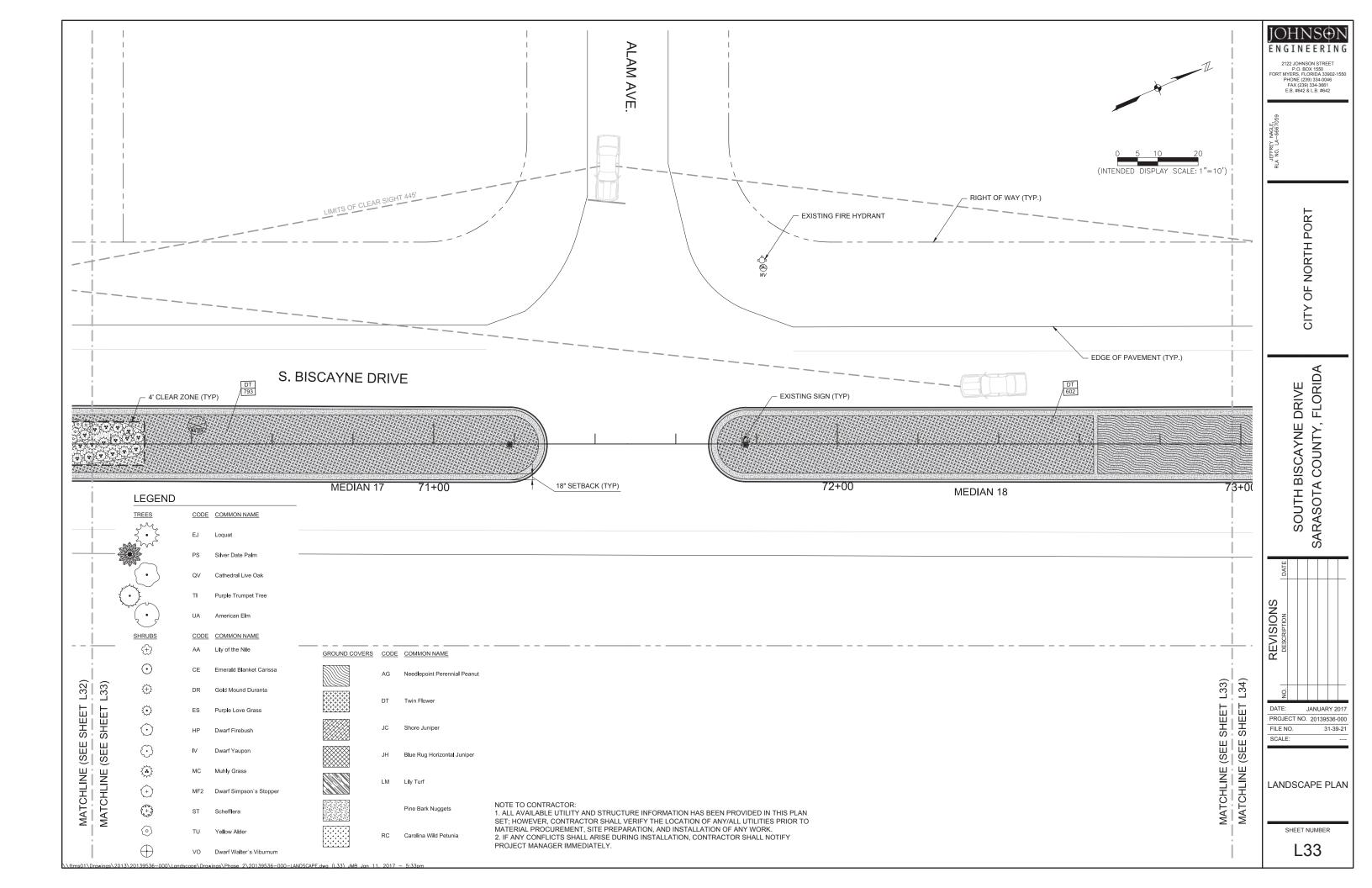


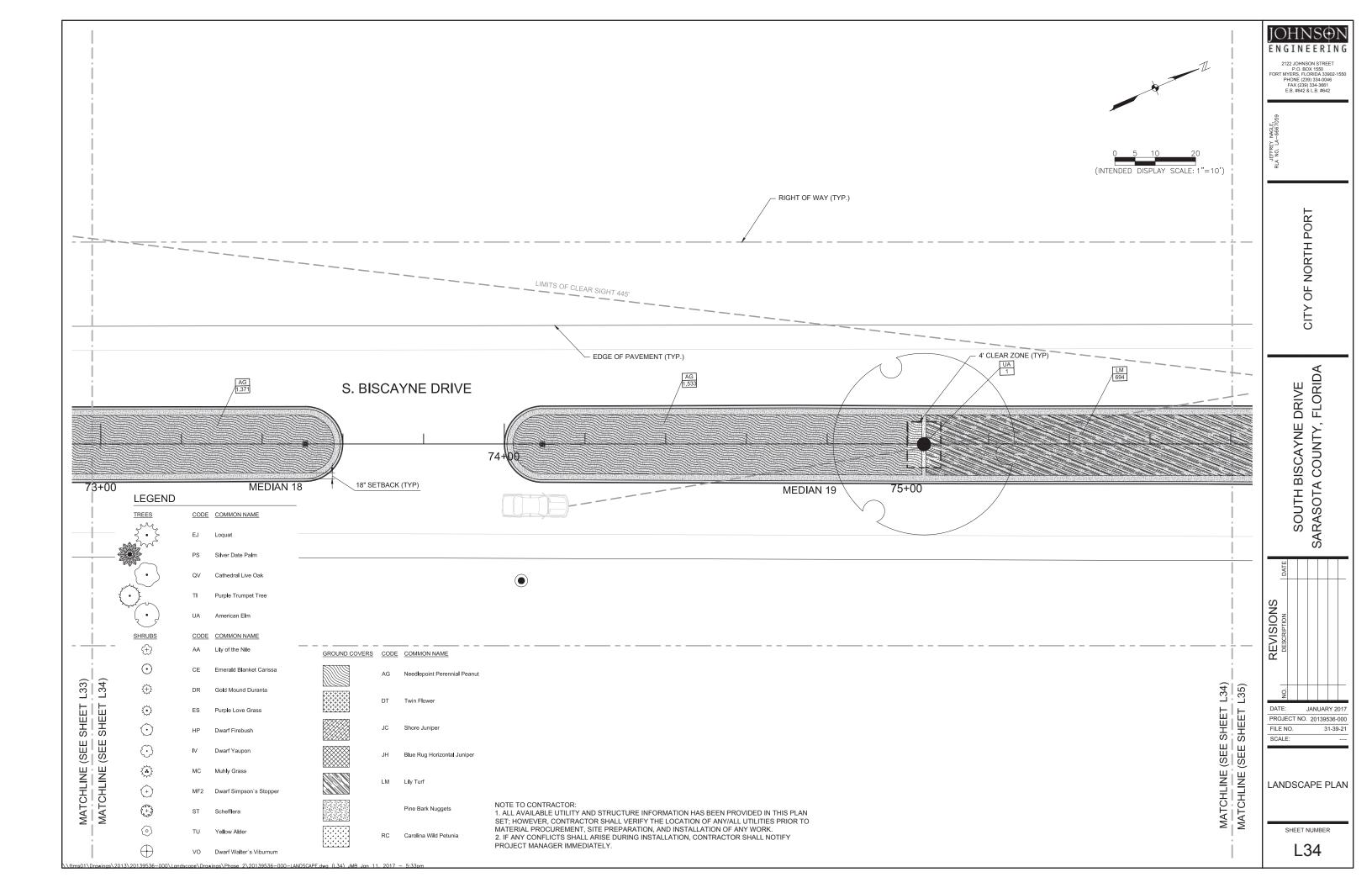


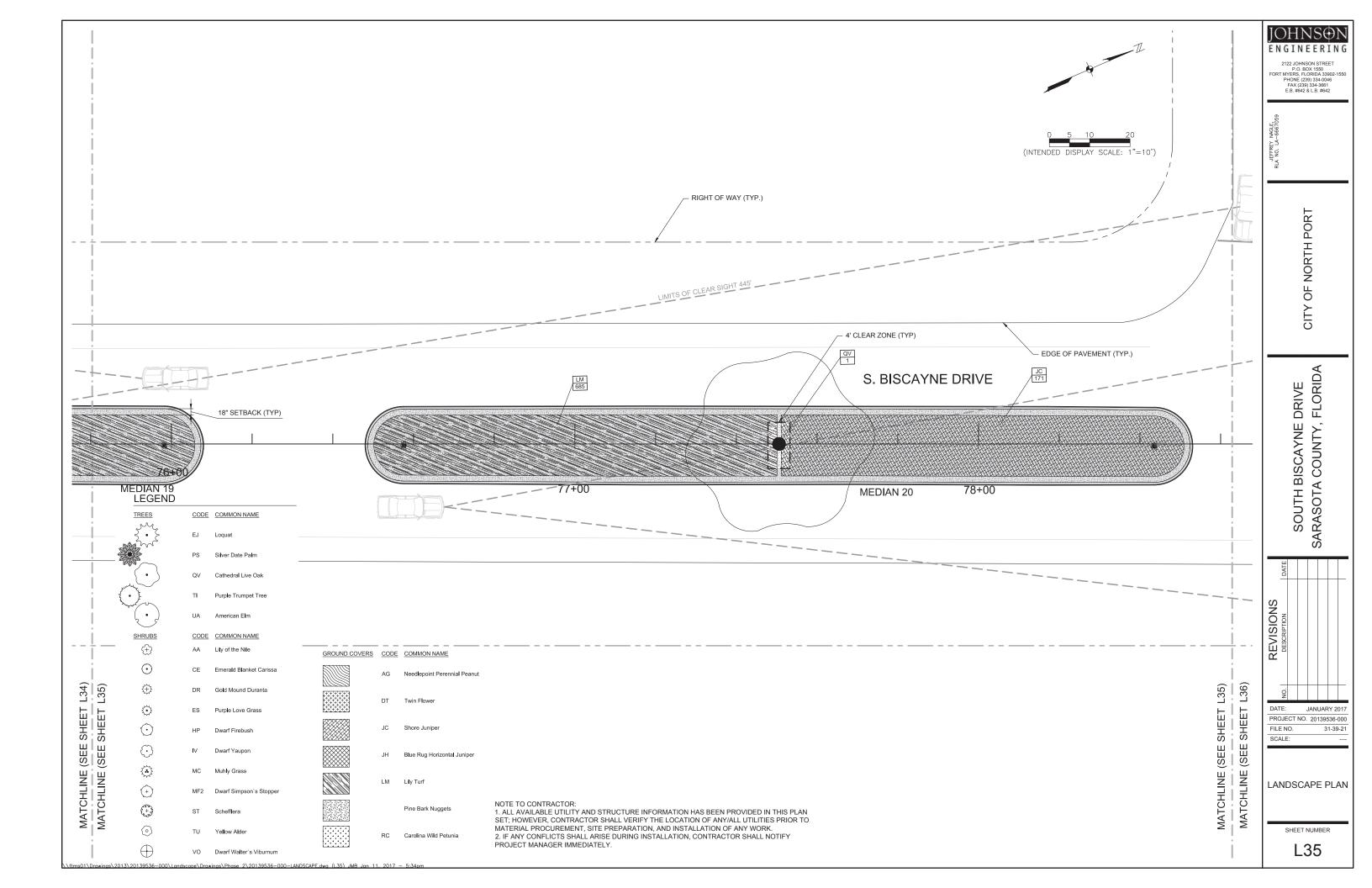


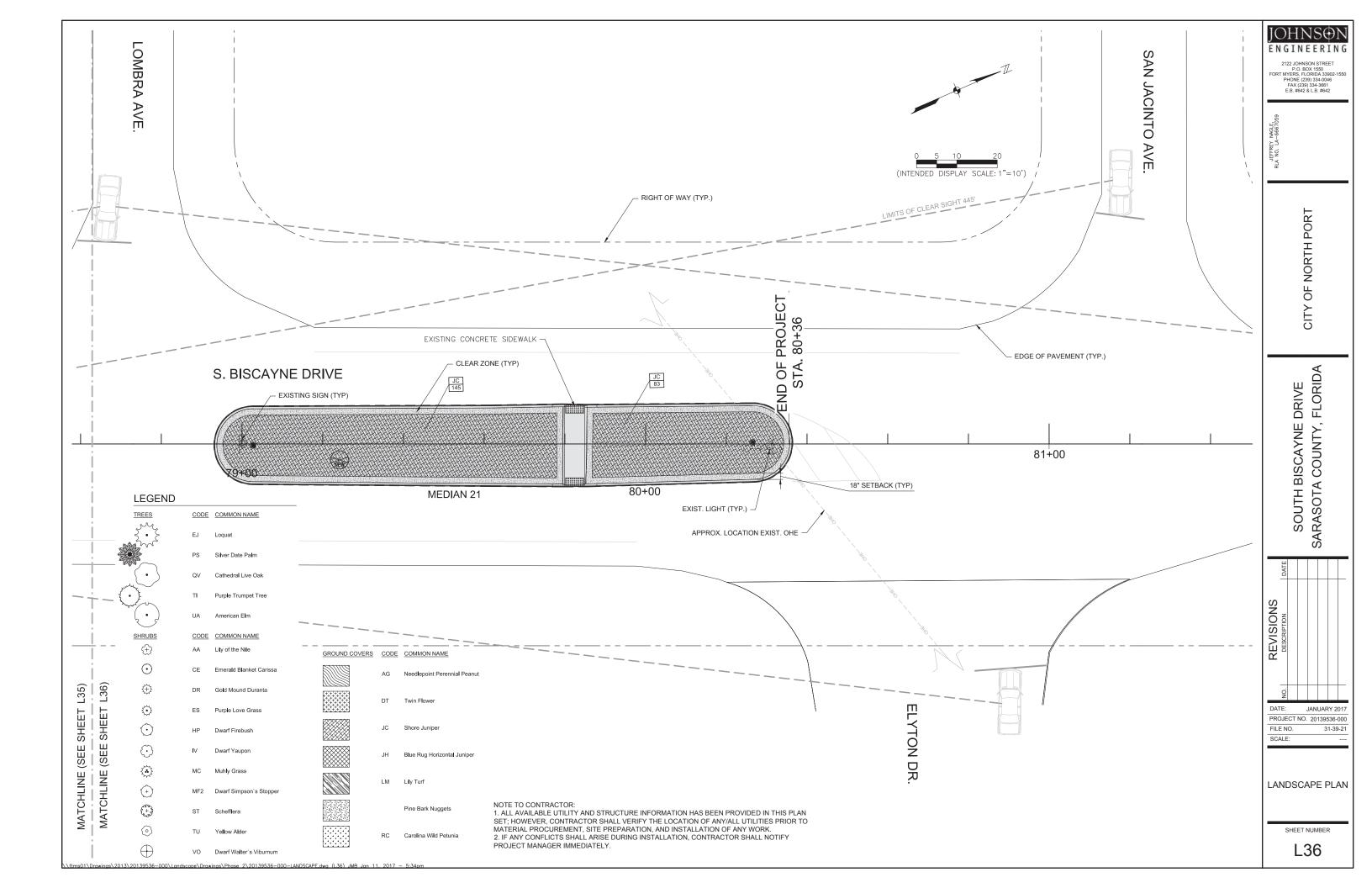






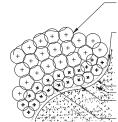






TYPICAL SHRUB PIT PLANTING

BEST "FACE" OF PLANT TO BE TOWARD THE FRONT EDGE OF THE PLANTING BED. 2" WIDTH ALONG BED EDGE AS DEAD ZONE MAINTAINED. CENTERLINE TO BE 4" BELOW FINISH RADE OF SOD.

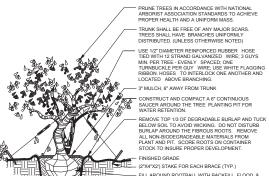


OUT OF SHRUBS AT THE PLANTING EDGE IS DONE FIRST TO ESTABLISH A CONTINUOUS LINE. BEST FACE OF SHRUB TO FACE FRONT OF PLANTING BED. REMAINING SHRUBS ARE FILLED IN BEHIND THE FRONT " SHREDDED MULCH MIN. DEPTH IN ALL BED AREAS

PLANTING BED EDGE. CUT CLEAN AND STRAIGHT.

MAINTAIN 18" CLEAR ZONE AT EDGE OF PAVEMENT AND MINIMUM 12" CLEAR ZONE BETWEEN DIFFEREN PLANT SPECIES MASSES.

TYPICAL SHRUB BED PLANTING



TRUNK SHALL BE FREE OF ANY MAJOR SCARS

- FILL AROUND ROOTBALL WITH BACKFILL, FLOOD, & COMPACT FILL TO INSURE THE ELIMINATION OF AIR POCKETS. FERTILIZE AS PER PLANTING NOTES. BACKFILL MATERIAL TO CONSIST OF NATIVE SOIL. SOIL & 1/2 SOIL AMENDMENTS)

3 TYPICAL MULTI-TRUNK TREE PLANTING

TRUNK DIAMETER SHALL BE CONSISTENT WITHOUT ABRUPT CHANGES, LOOSE SHEATHES, HOLES, OR FRIM ONLY THOSE FRONDS WHICH HANG BELOW

INTO THE PALM. BATTENS SHALL BE LOCATED IN DIRECT RELATION TO HEIGHT OF THE PALM FOR MAXIMUM BRACING.

MINIMUM OF 3-(2x4) WOOD BRACES

CONSTRUCT AND COMPACT A 6" CONTINUOUS SAUCER AROUND THE TREE PLANTING PIT FOR WATER RETENTION.

(2"X4"X2') STAKE FOR EACH BRACE (TYP.

ILL AROUND ROOTBALL WITH BACKFILL. FLOOD. FILL AROUND ROOTBALL WITH BACKFILL, FLOOD, & COMPACT FILL TO INSURE THE ELIMINATION OF AIR POCKETS. FERTILIZE AS PER PLANTING NOTES. BACKFILL MATERIAL TO CONSIST OF NATURE SOIL FROM PIT DUG FOR FIELD DUG MATERIAL ONLY. FOI CONTAINER PLANTS, AMEND BACKFILL (1/2 NATIVE SOIL & 1/2 SOIL AMENDMENTS).

ROOTBALLS SHALL SIT ON UNDISTURBED SOIL. DIAMETER OF THE PIT SHALL BE TWICE THE BAL DIAMETER. FOR ROOTBALLS 2' AND GREATER SHALL BE 2' LARGER THAN THE BALL DIAMETER.

NTS

TYPICAL PALM TREE PLANTING

UNE TREES IN ACCORDANCE WITH NATIONAL REMOVE TOP 1/3 OF DEGRADABLE BURLAP AND TUCK 3" MULCH. 6" AWAY FROM TRUNK

TREES SHALL HAVE A SINGLE, STRAIGHT TI WITH ONE CENTRAL LEADER WITH BRANCH UNIFORMLY DISTRIBUTED. (UNLESS OTHER NOTED) REE CALIPER SHALL BE MEASURED AT 4 1/2 FEET

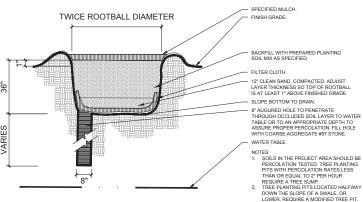
TIED WITH 12 STRAND GALVANIZED WIRE; 3 GUYS
MIN, PER TREE - EVENLY SPACED; ONE
TURNBUCKLE PER GUY WIRE; USE WHITE FLAGGING
RIBBON. HOSES TO INTERLOCK ONE ANOTHER AND
LOCATED ABOVE BRANCHING.

CONSTRUCT AND COMPACT A 6" CONTINUOUS SAUCER AROUND THE TREE PLANTING PIT FOR WATER RETENTION.
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OOTBALLS SHALL SIT ON UNDISTURBED SO DIAMETER OF THE PIT SHALL BE TWICE THE BALL
DIAMETER. FOR ROOTBALLS 2' AND GREATER!
SHALL BE 2' LARGER THAN THE BALL DIAMETER.

TYPICAL SINGLE TRUNK TREE PLANTING



(6) MODIFIED TREE PIT DETAIL FOR POOR DRAINAGE

LANDSCAPE CONSTRUCTION NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES AND SERVICES BOTH UNDERGROUND AND OVERHEAD PRIOR TO THI COMMENCEMENT OF WORK. PROTECTION OF ALL UTILITIES AND SERVICES THROUGHOUT THE COURSE OF WORK IS EXPECTED.

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

THE CONTRACTOR IS CAUTIONED TO BE AWARE OF UNDERGROUND UTILITIES. PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL CONTACT THE JOB SITE SUPERINTENDENT, CALL SUNSHINE, CALL ELE COUNTY UTILITIES AND CALL LEE COUNTY TRAFFIC FOR LOCATIONS OF ALL UTILITIES A MINIMUM OF 48 HOURS BEFORE BEGINNING WORK.

ALL SOD SHALL BE SAND GROWN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING IN SOD AREAS. HAND RAKE PRIOR T INSTALLING SOD. CONTRACTOR TO CUT IN AND MATCH NEW SOD TO EXISTING SOD. STAGGER JOINTS AND CLOSE ALL GAPS. ALL SOD TO BE ROLLED IMMEDIATELY AFTER INSTALLATION. ALL SOD SHALL BE CERTIFIED AS BEING FREE OF THE WEED TROPICAL SODA APPLE. (SOLANUM VIARUM).

S ALL LANDSCAPE AREAS (EXCEPT FOR PLANTING BEDS) SHALL RESONDED LINLESS OTHERWISE INDICATED ON THE DRAWINGS CONTRACTOR SHALL ALL LANDSCAPE AREAS (EXCEPT FOR PLANTING BEDS) SHALL BE SODDED UNLESS OTHERWISE INDICATED ON THE DRAWINGS. CONTRACTOR SHALL GET APPROVAL OF FINE GRADING FROM LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF TURE, GRADING FOR LANDSCAPE BERMINS SHOW ON PLANS AND DETAILS IS APPROXIMATE ONLY, CONTRACTOR SHALL CONFER WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING THIS WORK TO COMPIEM ACTUAL SHAPES AND ELEVATIONS OF THE LANDSCAPE BERMING. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FINISH GRAD ALL LANDSCAPE AREAS ELIMINATING ALL BUMPS, DEPRESSIONS, ROCKS, STICK, OR OTHER DEBRIS PRIOR TO THE INSTALLATION OF PLANT MATERIAL THE CONTRACTOR SHALL ALS O BE RESPONSIBLE FOR MAINTAINING POSITIVE SHEET FLOW DRAIMAGE AWAY FROM ALL STRUCTURES AND TO ALL DRAIMAGE WAYS SHOWN OR IMPLIES ON THE DRAWINGS.

S. CONTRACTOR SHALL INSTALL ALL SOIL AS REQUIRED BY THE PROJECT. CONSTRUCT ANY BERMING TO BLEND IN WITH EXISTING GRADE. ALL SOIL MATERIAL SHALL BE CLEAN SOIL SUITABLE FOR PLANT GROWTH. SUBMIT SOIL SAMPLE TO OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL ALL AREAS TO BE GRADED SHALL RECEIVE A SMOOTH UNIFORM HAND GRADE. NO SOIL IS TO BE PLACED AROUND EXISTING TREES.

. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXCESS SOIL AND DEBRIS FROM THE INSTALLATION OF THIS PROJECT, AND IT SHALL TAKEN TO A LAWFUL DISDOSAL SITE UNLESS OTHERWISE DIRECTED BY OWNER.

3. MULCH ALL NEWLY PLANTED AREAS AND AREAS TO RECEIVE MULCH WITH A SETTLED 3" DEPTH OF THE SPECIFIED RECYCLED MULCH.

9. THE CONTRACTOR SHALL HAND WATER ALL PLANT MATERIAL DAILY UNTIL IRRIGATION IS AVAILABLE OR UNTIL SUBSTANTIAL COMPLETION CONTRACTOR SHALL BE LIABLE FOR REPLACING PLANT MATERIALS EXPERIENCING TRANSPLANT SHOCK OR INPROPER CARE, AT ANYTIM COURSE OF THE CONTRACT PERIOD.

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10. CONTRACTOR SHALL REPAIR ANY AREAS DISTURBED DURING THE COMPLETION OF WORK

1. ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS FOR FLORIDA NUMBER 1 OR BETTER AS ESTABLISHED IN "GRADES AND STANDARDS FOR NURSERY PLANTS", STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE. 12. ALL PLAI MATERIAL MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE. 2. CONTRACTOR SHALL STAKE ALL TREES AND PALMS PER THE STAKING DETAILS.

13. ALL TREE RINGS AND MULCHED AREAS EVIDENCING WEED GROWTH SHALL BE SPRAYED WITH THE APPR HERBICIDE AT THE MANUFACTURER'S RECOMMENDED APPLICATION RATE: MULCHED AREAS SHALL REM FREE UNTIL FINAL ACCEPTANCE.

LANDSCAPE CONSTRUCTION NOTES:

5. THE OWNER AND LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MODIFY PLANT PLACEMENT IN THE FIELD AS

16. PLANT MATERIAL SHALL BE INSTALLED CONCURRENT WITH THE IRRIGATION SYSTEM

17. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCING ANY WORK 18. THE ROOT FLAIR AND ORIGIN OF THE FIRST EMERGING ROOT OF THE ROOT BALL SHALL BE AT LEAST 2" ABOVE FINISI GRADE AND VISIBLE AT INSPECTION. IF NOT. THE TREE WILL BE REJECTED.

SITE MAINTENANCE PROGRAM

B. FROM THE NOTICE-TO-PROCEED DATE, A COMPREHENSIVE MAINTENANCE PROGRAM FOR ALL PLANT MATERIALS, IRRIGATION COMPONENTS AND ALL OTHER TIEMS INSTALLED OR TO BE MAINTAINED BY THE CONTRACTOR, SHALL COMMENCE AND CONTINUE OURING THE OURATION OF THE INSTALLATION AND MAINTENANCE PHASES OF THE CONTRACT AND UNTIL FINAL COMPLETION AND ACCEPTANCE BY LEE COUNTY, PLEASE REFER TO THE LANDSCAPE WORK AND SITE MAINTENANCE SECTIONS OF THE SECEINFACTIONS FOR FURTHER INFORMATION.

D. SITE MAINTENANCE TASKS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING TASKS:
a. MAINTAIN ALL NEWLY PLANTED MATERIALS BY WATERING, PRUNING, CULTIVATING, FERTILIZING AND WEEDING FOR HEALTHY GROWTH AND WEED FREE PLANTING AND MULCHED AREAS

RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKING MATERIALS, RESET TREES OR PALMS TO PROPER

GRADE ELEVATION AND VERTICAL POSITION

LITTER PICKUP AND REMOVAL TREAT INSECT AND DISEASE ISSUES IN ORDER TO PROMOTE HEALTHY PLANT GROWTH AND BY UTILIZYING INTEGRATED PEST MANAGEMENT, BEST MANAGEMENT PRACTICES AS APPROVED BY THE OWNER'S FRESENTATIVE. INTAIN ALL IRRIGATION SYSTEM COMPONENTS IN A FULLY OPERABLE CONDITION. CHECK FOR LINE BREAKS ANI

LEAKS, CLEAN FILTERS AND BUBBLER SCREENS OF DEBRIS AND CHECK FOR PROPER WASTER DISTRIBUTION PROVIDE REPORTS TO OWNERS REPRESENTATIVE DETAILING MAINTENANCE WORK COMPLETED AND OTHER PERTINENT INFORMATION FOLLOWING EACH SITE VISIT ROUTINE MOWING OF MEDIANS AND ROADSIDES, UNLESS NOTED OTHERWISE. MOWING SHALL EXTEND TO THE

RIGHT-OF-WAY LINE OF BOTH SIDES OF THE ROADWAY

EDGING BED LINES AND BACK-OF-CURBS/EDGE OF PAVEMENT

LANDSCAPE SPECIFICATION NOTES

GENERAL: MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNED OR CHAMEDO DETERMINED BY THE OWNED OF THE OWNED OW COMMENCE

MATERIAL SAMPLE SIZE ONE (1) CUBIC FOOT

TING / TOPSOIL MIX ONE (1) CUBIC FOOT (INCLUDING EXISTING SOILS REPORT)
TS ONE (1) PHOTO OF EACH VARIETY (OR TAGGED IN NURSERY)

PLANT MATERIALS: ALL TREES, PALMS, SHRUBS, GROUNDCOVERS, LITTORALS, WATER PLANTS, SOD AND VINES SHALL CONFORM TO THOSE SPECIES AND SIZES INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS AS DETERMINED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE, ALL PLANTS SHALL BE FLORIDA GRADE NUMBER? 10 RB ETTER AS DETERMINED BY THE FLORIDA DATA THAT IN THE TRANSPORT OF THE PLANT THAT IS TRAINED IN 1TS DEVELOPMENT TO POSSESS UNQUESTIONABLE AND OUTSTANDINGLY SUPERIOR IN FORM, BRANCHIM COMBACTISES AND CAMBETTERY. IS TRAINED IN ITS DEVELOPMENT TO POSSESS UNQUESTIONABLE AND OUTSTANDINGLY SUPERIOR IN FORM, BRANCHIKK COMPACTINESS AND SYMMERY. TREES FOR PLANTING ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. SHIELE TRUNK TREES SHALL HAVE A STRAIGHT, CENTRAL LEADER, MULTI-TRUNK TREES ARE TO HAVE 3-5 EQUAL SIZED TRUNKS UNLES OTHERWISE SPECIFIED. PLANTS HATE WITH MARRED OR BURNED TRUNKS WILL NOT BE ACCEPTED. PLANTS SHE PROVIDED PRIOR TO DELIVERY ONLY IN ACCORDANCE WITH INTERNATIONAL SOCIETY OF ABBORIST GUIDELINES TO INSURE PROPER HEALTH AND VIGOROUS GROWTH. ALL MATERIALS SHALL BE SUBJECT TO LANDSCAPE ARCHITECTS APPROVAL PRIOR TO DELIVERY. PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED UNDESTROWN HEN THEY HAVE BEEN SUCCESSFULLY RE-ESTRAIGHED AND SHAND SHALL BE CONSIDERED UNDESTROWN HEN THEY HAVE BEEN SUCCESSFULLY RE-ESTRAIGHED AND SHAND SHALL BE CONSIDERED UNDESTROWN HEN THEY HAVE BEEN SUCCESSFULLY RE-ESTRAIGHED TO THE VIRISERY ROW AND GROWN HOURDER FEGULAR NURSERY TOWN HOTHORY TO HENDER THE ADDRESS OF THE STAND TO PROWN TO HIS DIRECT FOR THE STAND FREED HAVE AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW PROTECT FOOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN DYING WINDOW, WATER AND FREEZING, AS NECESSARY UNTIL THE PLANTING AS SHALL BE ADEQUATED TO PREVEN TO MANAGE DEFINITION TRANSFT. THERE YOUR STORES THE THE STAND THE TIMES TO STEE SPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL

INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SI DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY, SUCH APPROVAL SHALL NO MRPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

BALLED & BURLAPPED: ALL BALLED & BURLAPPED STOCK SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS WELL-BRANCHED, FREE FROM DISEASE AND INSECTS. SECURE IN THE BRANTHALL AND DISEASE AND MALE TO SECURE IN THE BRANTHALL AND DISEASE AND MALE. BALLED & BURLAPPED: ALL BALLED & BURLAPPED STOCK SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED, FREE FROM DISEASE AND INSECTS, SECURE IN THE ROOTBALL, AND POSSESS ADEQUATE ROOT SYSTEMS. ALL BURLAP SHALL BE REMOVED FROM THE TOP ONE-THIRD OF THE BALL TO PREVENT WICKING, ANY BURLAP THAT IS NOT BIONGERADABLE SHALL BE CAREFULLY REMOVED TO PROTECT DAMAGE TO FEEDER ROOTS. GROW BAGS SHALL BE REMOVED IN THEIR ENTIRETY. ALL BALLED & BURLAPPED STOCK THAT IS NOT IMMEDIATELY PLANTED, SHALL BE HEALED IN AND THOROUGHLY WATERED UNTIL PLANTING. LIFTING, MOVING, OR ADJUSTING THPLANT MATERIAL BY THE TRUNK IS PROHIBITED.

CONTAINER GROWN STOCK, ALL CONTAINER GROWN STOCK SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED (NOT ROO' BOUND), AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION. ALL CONTAINER GROWN STOCK THAT IS NOT IMMEDIATELY PLANTED, SHALL BE STORED IN A MANNER TO SHADE THE CONTAINERS FROM DIRECT SUNLIGHT TO MINIMIZE ROOT DAMAGE. ALL CONTAINER STOCK SHALL BE THOROUGHLY WATERED PRIOT TO PLANTING AND DURING STORAGE UNTIL PLANTING LIFTING AND MOVING OF THE PLANT MATERIAL SHALL BE BY THE CONTAINER ONLY PLANT ROOTS BOLLIND I PLANTING. LIFT INS AND MOVING OF THE PLANT MATERIAL SHALL BE SHY THE COM TAINER ONLY. PLANT ROUTS BOUND IT OF CONTAINERS ARE NOT ACCEPTABLE. ALL TREE ROTABLES SHALL BE SHAVED 1"- 11/2" OFF ON ALL SIDES WITH EITHEI A SHARP SPADE OR BLADE BEFORE PLANTING OR FROM TOP TO BOTTOM WITH A BALLING SPADE AFTER THE TREE HAS BEEN PLANTED TO BLIMINATE CIRCLING MOOTS.

MEASUREMENTS: TREES' HEIGHTS SHALL BE MEASURED FROM GROUND TO THE AVERAGE BRANCH HEIGHT OF CANOP SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS SHALL NOT INCLUDE ANY TERMINAL GROWTH. SHRUBS' HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE POINT WHERE MATURE PLANT GROWTH STOPS. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS MEASUREMENT SHALL NOT INCLUDE ANY TERMINAL GROWTH. PALMS SHALL BE MEASURED BY THREE HEIGHT CLASSIFICATIONS. OVERALL HEIGHT, CLEAR WOOD, AND GRAY WOOD, OVERALL HEIGHT SHALL BE MEASURED BY THREE HEIGHT CLASSIFICATIONS. OVERALL HEIGHT, CLEAR WOOD. AT TIME OF INSTALLATION. CLEAR WOOD SHALL BE MEASURED FROM THE GROUND AT TIME OF INSTALLATION TO OTTOM OF THE FROND SHEATH. GRAY WOOD SHALL BE MEASURED FROM THE GROUND AT TIME OF INSTALLATION TO THE TOP OF HARDENED WOOD.

PLANTING SOIL AND BACKFILL: PLANTING SOIL FOR USE IN PREPARING BACKFILL FOR PLANT PITS SHALL BE A FERTILE FRIABLE, NATIVE SOIL WITHOUT MIXTURE OF SUBSOIL MATERIALS. IT SHALL BE FREE FROM HEAVY CLAY, STONES, INCHING SUBSOIL MATERIALS, NONIOUS GRASSES OR WEEDS. IT SHALL NOT CONTAIN TOXI SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. REMOVE EXISTING SOIL TO ESTABLISH PROPOSED FINISH GRADE (SEE DETAIL), INCORPORATE A COMPLETE SLOW RELEASE FERTILIZER AT A 312 RATION.

GRADE (SEE DETALL). INCORPORATE A COMPLETE SLOW RELEASE FERTILIZER AT A 3:12 RATION.

COMMERCIAL FERTILIZER CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. FERTILIZERS SHALL BE UNIFORM IN COMPOSITION, DRY, AND FREE FLOWING AND DELIVERED TO THE SITE IN ORIGINAL UNOPENED BAGS BEARING ALL THE MANUFACTURER'S LABELS. ALL FERTILIZER IS TO BE SLOW RELEASE AND COMPLETE WITH NECESSARY MICROPOLITIENTS. AFTER INSTALLATION, FERTILIZER SHALL BE CLEANED FROM ALL HARDSCAPE SURFACES AND MATERED IN THOROUGHLY PER MANUFACTURER'S SPECIFICATIONS. TREES AND SHRUBS MIXTURE SHALL CONSIST OF A SLOW RELEASE THE FORMULATION OF 3 PARTS NITROGEN TO 1 PART PHOSPHOROUS TO 2 PARTS POTASSIUM (31-2 RATIO). ALL TREES AND SHRUBUS SHALL BE FERTILIZED BINDWITHLY DURING THE GROWING SEASON AT A RATE OF 4-6 LBS. OF A PER 100 SQ. FT. OF BEDS / TREE CANOPY (3' FORM BASE TO DRIPLINE) OR PER MANUFACTURE'S RECOMMENDATION. SOD FERTILIZER SHALL BE TURF SPECIFIC FOR ESTRABLESHIND REVE ALWINS AND APPLIED PER MANUFACTURE'S RECOMMENDATION. JOPON ESTABLISHMENT, THE TURF SHALL BE FERTILIZED AT A RATE OF 1 LB OF ACTUAL NITROGEN PER 100 FT. SQ. OR PER MANUFACTURE'S RECOMMENDATION. SOD FERTILIZED SHALL BE FERTILIZED SHALL BE CREED FROM THE AREA OF 1 LB OF A STALL RECEIVE FERTILIZATION AT A HALF RATE OF THE ABOVE TURF RECOMMENDATION AND A PALL RECEIVE FERTILIZATION AT A HALF RATE OF THE ABOVE TURF RECOMMENDATION AND A PALL RECEIVE FERTILIZATION AT PARL FRATE OF THE ABOVE TURF RECOMMENDATION, SO PER MANUFACTURE'S RECOMMENDATION AND A PALL RECEIVE FERTILIZATION AT PALL FRATE OF THE ABOVE TURF RECOMMENDATION, OF THE ALBER SHALL RECEIVE FERTILIZATION AT PALL FRATE OF THE ABOVE TURF RECOMMENDATION, SO PER MANUFACTURE'S RECOMMENDATION FOR ALL ESTABLISHED PALMS PER 2 OF HEIGHT OR PER MANUFACTURE'S RECOMMENDATION. FOR ALL ESTABLISHED PALMS PER 2 OF HEIGHT OR PER MANUFACTURE'S RECOMMENDATION. FERTILIZER SWITH A LOW LEACHING POTENTIAL (SLUSHED PALMS PER 2 OF THE BROWS THE USE OF THE RELEASE) MUST BE USED, MUST PACE AND THE APPLIED AFTER ACTIVE GROWTH OF THE TURFIGRASS HAS CLASSED, AND MUST BE KEPT OUT OF THE LOWEST REASONABLE LEVELS. CONTRACTOR TO COMPLY WITH LOCAL FERTILIZER RESTRICTIONS THAT MAY APPLY, REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

WATER: WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL OR PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE ORTAINED ON THE SITE FROM THE OWNER; IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO CHECK TO SEE IF WATERING/IRRIGATION RESTRICTIONS MAY APPLY, REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING BAHIA SOD FOR ESTABLISHMENT.

MULCH: MULCH MATERIAL SHALL BE GRADE A, NATURAL COLOR, SHREDDED MULCH, FREE FROM WEED SEEDS, AND APPLIED TO A MINIMUM 3" DEPTH. CYPRESS MULCH IS NOT ACCEPTABLE.

SOD: ALL SOD SHALL MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETY TYPE, AND FREE FROM WEEDS, INSECTS, AND DISEASES OF ANY KIND. JOINTS SHALL BE STAGGERED AND BUTT TIGHT TO MINISTAR GAPS. THE GRADE SHALL BE SMOOTH, FREE OF DEBRIS, POSTITIVELY DRAINED, AND MOIST TO SOD INSTALLATION. THE SOD SHALL BE ROLLED IN TWO DIRECTIONS PERFENDICULAR FROM ONE ANOTHER AFTER INSTALLATION TO ENSURE PROPER GROUND CONTACT. IN AREAS WHIERE A ROLLER CANNOT BE USED, HAND TAMPING SHALL BE REQUIRED. SOD SHALL BE INSTALLED AND WATERED WITHIN 24 HOURS AFTER HARVESTING.

SUBSTITUTIONS: NO SUBSTITUTION OF ANY MATERIALS' VARIETIES, GRADES, OR SIZES SHALL BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT. ANY I ALL UNAUTHORIZED SUBSTITUTIONS MAY REQUIRE REPAIRING / REPLACING AT THE CONTRACTOR'S EXPENSE AT LANDSCAPE ARCHITECT'S DISCRETION

WARRANTY: THE CONTRACTOR SHALL WARRANTY ALL WORKMANSHIP FOR THE PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE FROM THE OWNER AND LANDSCAPE ARCHITECT ANY DEAD, UNHEALTHY, NON-CONFORMING PLANT MATERIAL SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITHIN 7 DAYS OF NOTICE FROM THE OWNER OR LANDSCAPE ARCHITECT THE CONTRACTOR SHALL NOT BE LIABILE FOR "ACTS OF GOD" AND VANDALISM, NEGLIGENC ECT THE CONTRACTOR SHALL NOT BE LIABLE FOR "ACTS OF GOD" AND VANDALISM, NEGLIGENCE

REPLACEMENT: ANY PLANT NOT FOUND IN A FLORIDA NO. 1 GRADE CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE FLANTS OF THE SAME KIND AND SUZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.

QUALITY ASSURANCE: THE CONTRACTOR SHALL PROVIDE SUBSTANTIAL PROOF TO OWNER OR LANDSCAPE ARCHITECT THAT HE / SHE HAS A MINIMUM OF 5 YEARS EXPERIENCE IN THE FIELD OF LANDSCAPE CONTRACTING WITH PROJECTS OF SIMILAR SCOPE. THE CONTRACTOR MUST SUPPLY AT ALL TIME SO IN SITE WHEN WORK IS BEING PERFORMED A UQUALIFIED SUPPERVISOR WITH A MINIMUM OF 18 MONTHS FIELD EXPERIENCE. ALCA LANDSCAPE CERTIFICATIONS CAN SUBSTITUTE IN LIEU OF THE EXPERIENCE. REQUIREMENT AT LANDSCAPE ARCHITECT'S DISCRETION

PLANTING PROCEDURE NOTES:

I. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL LEANING UP BEFORE COUNTEDWARD TOWN, THE COUNTEDWARD AND TOWN CHAPTER AND ADMINISTRATION TOWN. THE REMOVED FROM THE SURFACE OF ALL PLANT BEDS, THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL SHOULD THE CONTRACTOR FI SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWNH, HE SHIMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER OR OWNERS REPRESENTATIVE FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR

VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINT AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL 611-TO LOCATE UTILITIES OR FEFER TO THE ALL PLANS II

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH 07 36". CONTRACTOR IS RESPONSIBL TO BACKFILT HEISE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR A IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVAT BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED. CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE

GENERAL: COMPLY WITH APPLICABLE FEDERAL STATE COUNTY AND LOCAL REGULATIONS GOVERNING LANDSCAPE GENERAL: COMPCT WITH APPLICABLE FEDERALS, STILE; COONTY, AND LOCAL RESULTIONS GOVERNING DANDSCAPE WATERIALS AND WORK CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED, PLANTS STORED ONS SHALL NOT REMAIN UNPILANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

S THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGAT WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THA HAVE BEEN ROUSH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD ANDIOR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND ANDIOR WITH ALL EQUIPMENT IN DECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SURSURFACE STORM DE SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

10. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 280.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN THE PLANT SPECIFICATION NOTES. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO ASSURE PROPER DRAINAGE. IF POOR DRAINAGE SLYSTS, INSTALL AS NOTED IN THE TREE AND 10 PR PLANT PLANTS DE TAILS SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING HAT BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILLAR WITH PLANTING FORCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN, PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STRICK" OF REQUAL IS RECOMMENDED.

11. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING

12. SOIL MIXTURE SHALL BE AS SPECIFIED UNDER PLANT SPECIFICATIONS

13. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETILED BY WATER (AFTER TAMPING).

4. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATIO RECOMMENDATION. SUBMIT PRODUCT INFORMATION PRIOR TO INOCULATION FOR APPROVAL

15. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MININIUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULAL BURLAP, ROPE, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH WIRE BASKETS SHALL BE REMOVED COMPLETELY PRIOR TO BACKFILLING.

. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NAT CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES? BE REMOVED WITH A CLEAN CLT. ALL PRININFO TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH AN

7. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 8°, REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4° WITH THE PLANTING SOIL MIXTURE AND THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

IS TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE 5. TREE OUTING AND BYACHING SHALL BE INSTALLED BY THE CONTRACTOR MACCONDANCE WITH THE POWNS TO INSIDE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACHING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

9. PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT

20. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSON ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO F INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

1. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOTO TO WIDTH DURING THE ROLLING. ALL DEPRESSIONS CAUSED BY STITLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE RECUIRED GRADE. PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

22. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

23. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. IMMEDIATELY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED F SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PARELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SURFACE OF THE SOD AND THOROUGHLY WATERED IN, FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY: JURISDICTIONAL AUTHORITY

24. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE ORYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

ENGINEERING

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