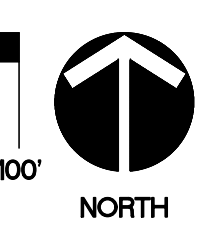
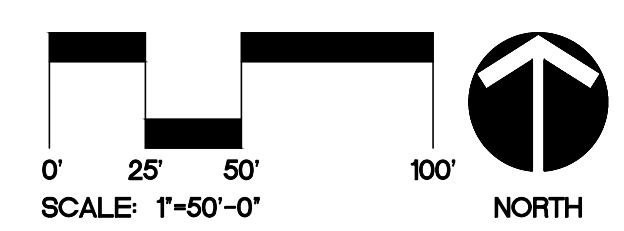
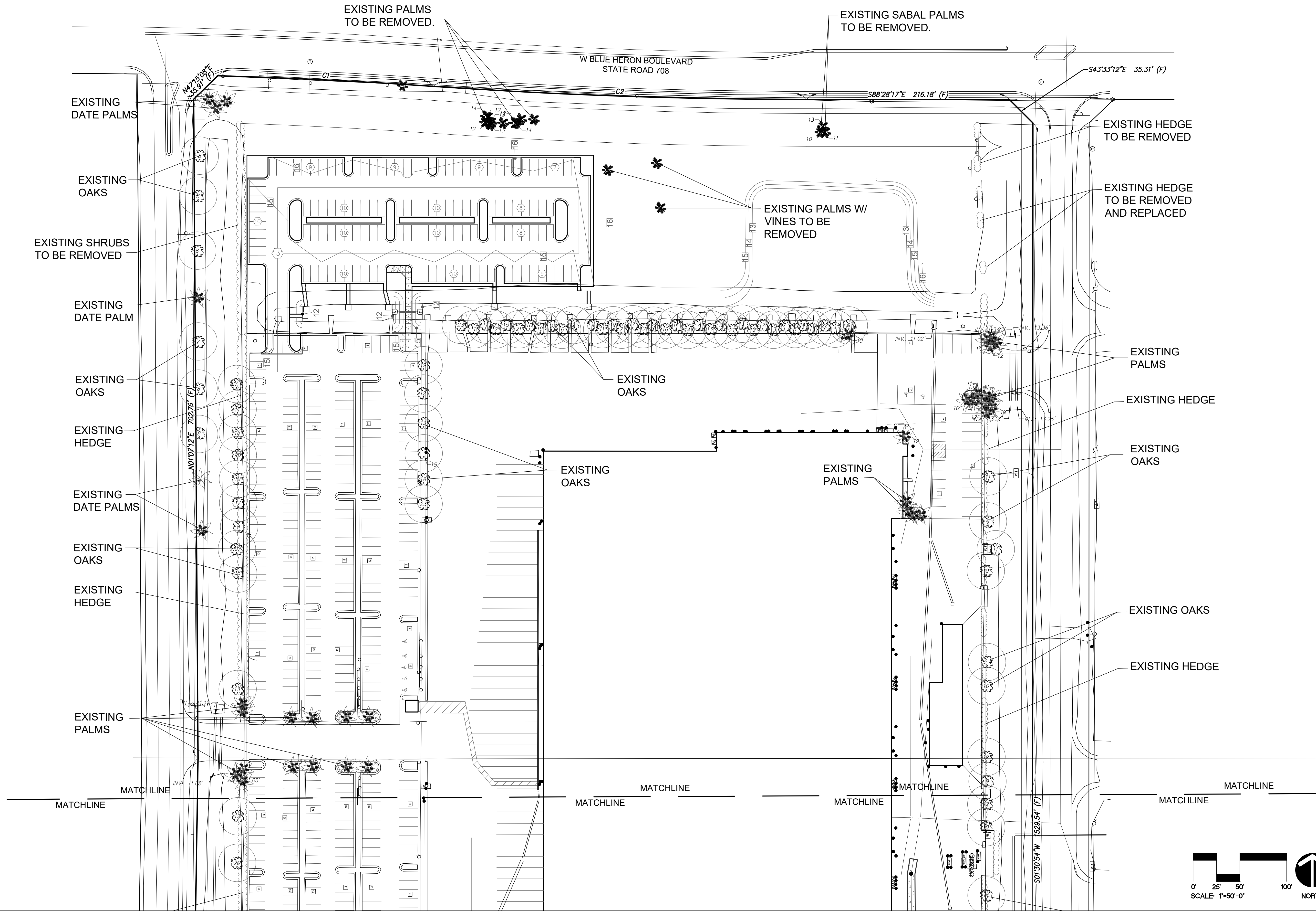


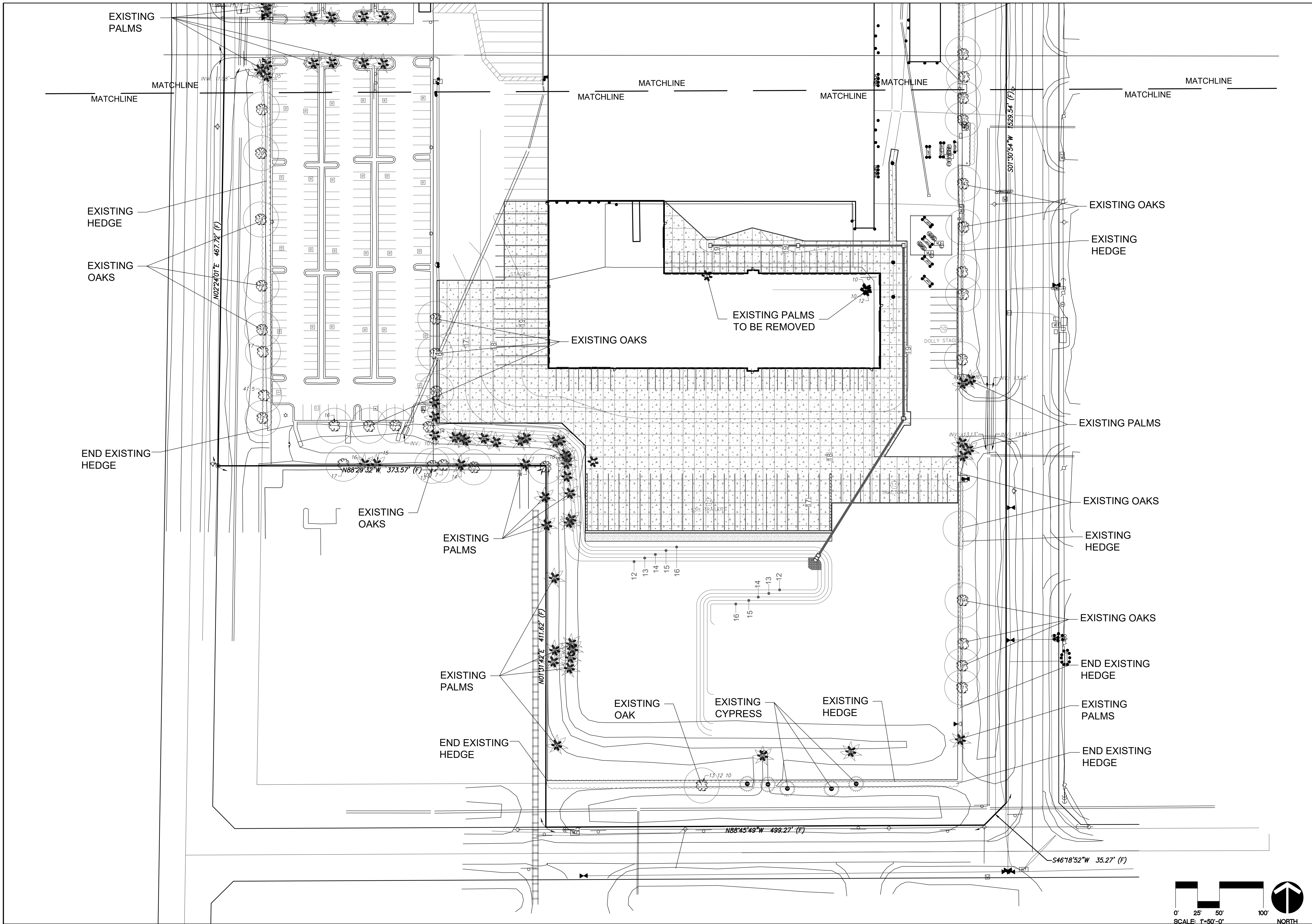
REVISION		PROJECT NUMBER
NO.	DATE - DESCRIPTION	19-160
1.	08.26.20 - CITY COMMENTS	DATE
2.	10.01.20 - CITY COMMENTS	12.11.2020
3.	10.30.20 - CITY COMMENTS	DRAWN BY
		JTD

BORRELLI + PARTNER
 ARCHITECTS
 701 W. ASSASSIN'S LANE
 ORLANDO, FLORIDA 32810
 TEL: 407.251.1100
 FAX: 407.251.1101
 WWW.BORRELLI-PA.COM

RIVIERA BEACH BUILDING EXPANSION
 UNITED PARCEL SERVICE
 2001 AVENUE P
 RIVIERA BEACH, FLORIDA

EXISTING SITE
 LANDSCAPE
 PLAN
LT-100



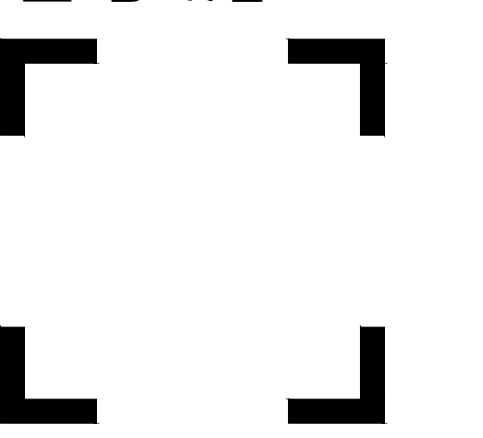


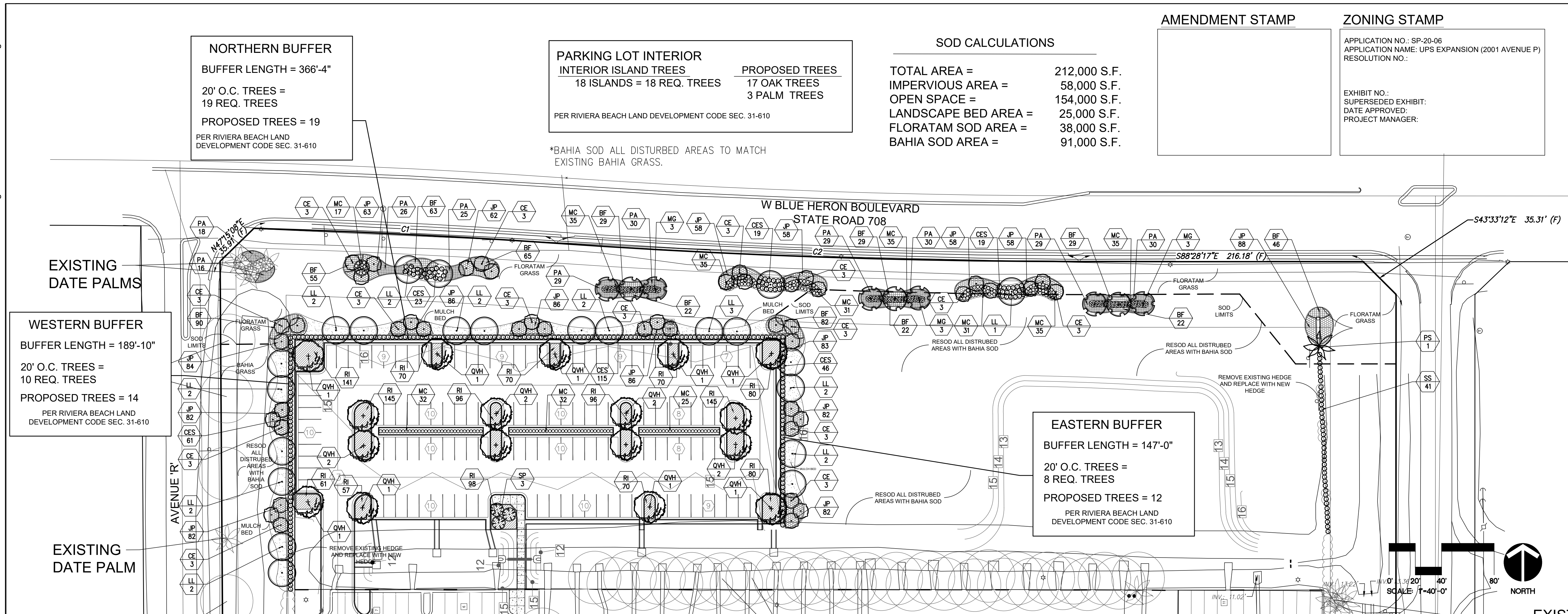
NO.	REVISION	DATE	DESCRIPTION
1.		08.26.20	- CITY COMMENTS
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3.		10.30.20	- CITY COMMENTS

PROJECT NUMBER	DATE	DRAWN BY
19-160	12.11.2020	JTD


BORRELLI + PARTNERS
 ARCHITECTS
 201 AVENUE P
 RIVIERA BEACH, FLORIDA 33406
 ORANGE COUNTY, FLORIDA 32109

RIVIERA BEACH BUILDING EXPANSION
 UNITED PARCEL SERVICE
 2001 AVENUE P
 RIVIERA BEACH, FLORIDA





NORTHERN BUFFER
 BUFFER LENGTH = 366'-4"
 20' O.C. TREES = 19 REQ. TREES
 PROPOSED TREES = 19
 PER RIVIERA BEACH LAND DEVELOPMENT CODE SEC. 31-610

PARKING LOT INTERIOR
 INTERIOR ISLAND TREES
 18 ISLANDS = 18 REQ. TREES
 PROPOSED TREES
 17 OAK TREES
 3 PALM TREES
 PER RIVIERA BEACH LAND DEVELOPMENT CODE SEC. 31-610

SOD CALCULATIONS
 TOTAL AREA = 212,000 S.F.
 IMPERVIOUS AREA = 58,000 S.F.
 OPEN SPACE = 154,000 S.F.
 LANDSCAPE BED AREA = 25,000 S.F.
 FLORATAM SOD AREA = 38,000 S.F.
 BAHIA SOD AREA = 91,000 S.F.

AMENDMENT STAMP

ZONING STAMP

APPLICATION NO.: SP-20-06
 APPLICATION NAME: UPS EXPANSION (2001 AVENUE P)
 RESOLUTION NO.:
 EXHIBIT NO.:
 SUPERSEDED EXHIBIT:
 DATE APPROVED:
 PROJECT MANAGER:

*BAHIA SOD ALL DISTURBED AREAS TO MATCH EXISTING BAHIA GRASS.

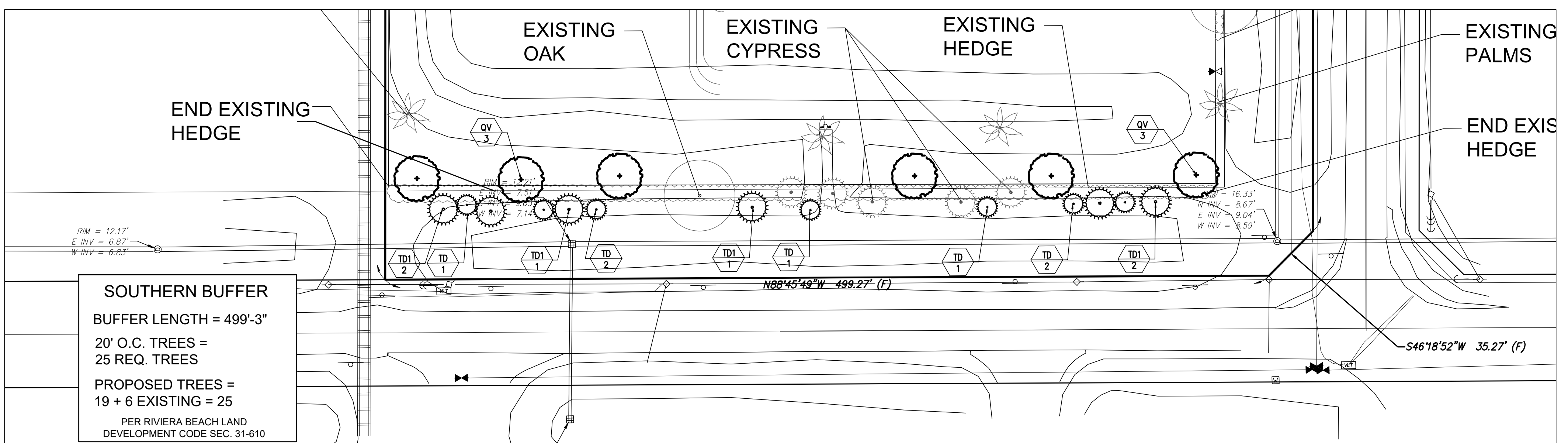
WESTERN BUFFER
 BUFFER LENGTH = 189'-10"
 20' O.C. TREES = 10 REQ. TREES
 PROPOSED TREES = 14
 PER RIVIERA BEACH LAND DEVELOPMENT CODE SEC. 31-610

EASTERN BUFFER
 BUFFER LENGTH = 147'-0"
 20' O.C. TREES = 8 REQ. TREES
 PROPOSED TREES = 12
 PER RIVIERA BEACH LAND DEVELOPMENT CODE SEC. 31-610

EXISTING DATE PALM

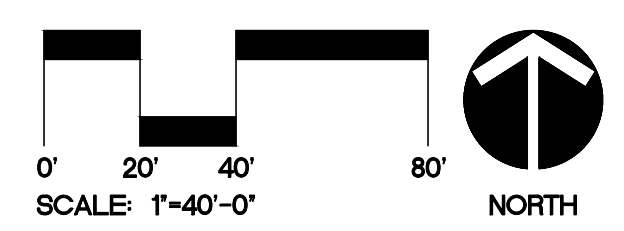
NORTHERN PARKING LOT

SITE TREES/PALMS RATIO
 EXISTING TREES ON SITE
 TOTAL = 188
 SHADE TREES = 103
 PALM TREES = 85
 45% PALM TREES
 PROPOSED TREES THIS PROJECT
 TOTAL = 93
 SHADE TREES = 89
 PALM TREES = 4
 4.5% PALM TREES
 UPDATED TOTAL SITE TREES
 TOTAL = 281
 SHADE TREES = 192
 PALM TREES = 89
 32% PALM TREES



SOUTHERN BUFFER
 BUFFER LENGTH = 499'-3"
 20' O.C. TREES = 25 REQ. TREES
 PROPOSED TREES = 19 + 6 EXISTING = 25
 PER RIVIERA BEACH LAND DEVELOPMENT CODE SEC. 31-610

SOUTHERN BUFFER



COPELAND & JOHNS, INC.
 GENERAL CONTRACTOR
 DESIGN-BUILD • MANAGEMENT • CIVIL

+ CDFL
 COOKE DOUGLASS FARR LEMONS ARCHITECTS + ENGINEERS PA

NO.	REVISION	DATE	DESCRIPTION
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PROJECT NUMBER: 19-160
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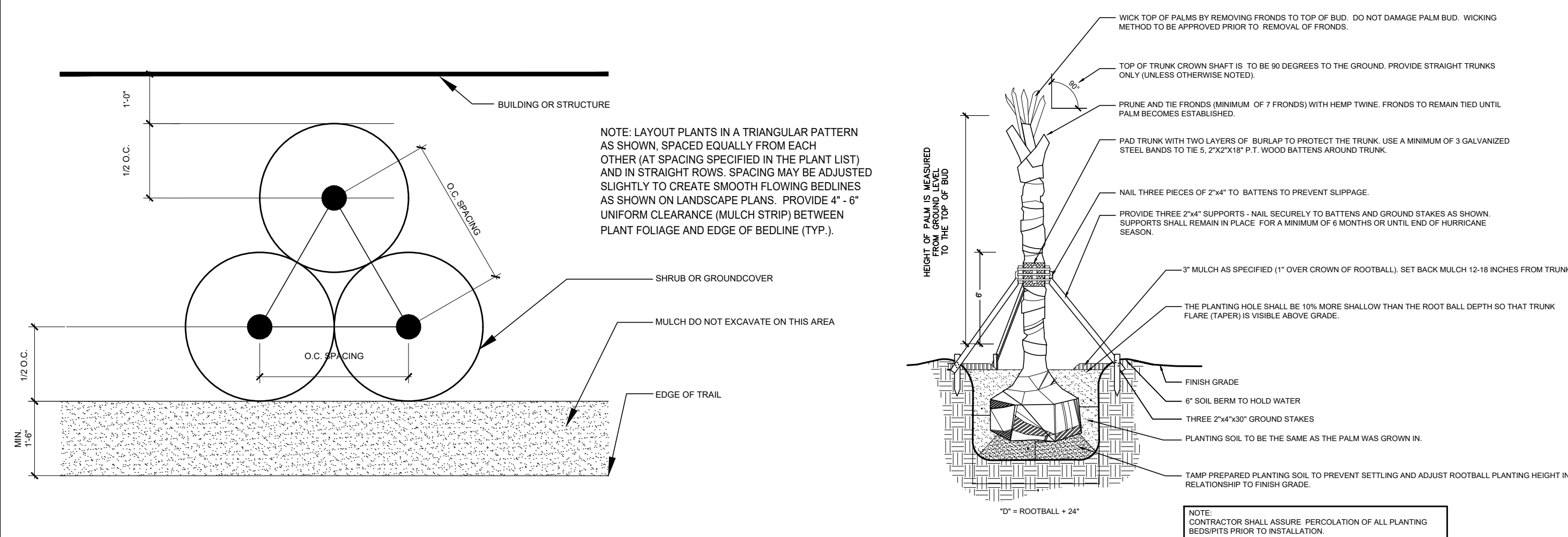
BORRELLI + PARTNER
 ARCHITECTS + ENGINEERS
 2001 AVENUE P
 RIVIERA BEACH, FLORIDA

ORLANDO, FLORIDA 32801
 407.455.5555
 407.455.5555

CONSTRUCTION: THE DRAWINGS ARE THE PROPERTY OF BORRELLI + PARTNER ARCHITECTS + ENGINEERS. NO PART OF THESE DRAWINGS ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

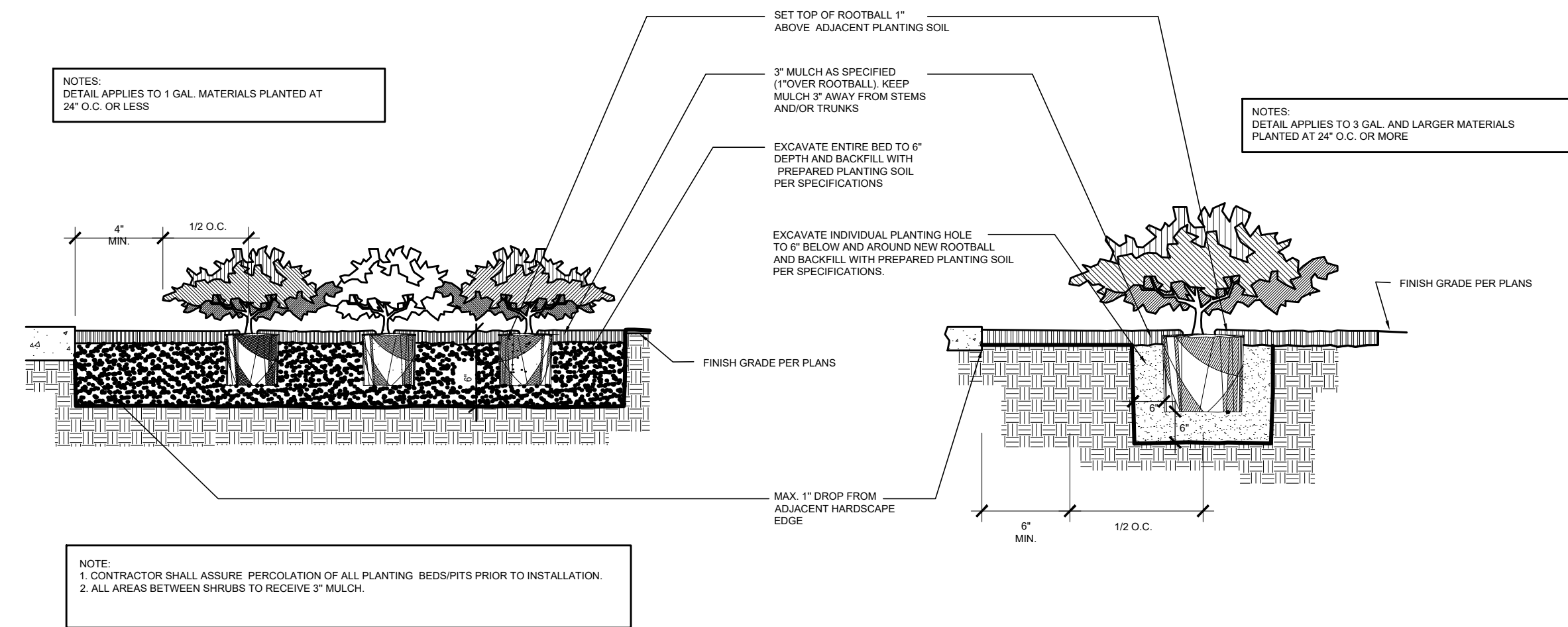
RIVIERA BEACH BUILDING EXPANSION
 UNITED PARCEL SERVICE
 2001 AVENUE P
 RIVIERA BEACH, FLORIDA

LANDSCAPE PLAN
L-100



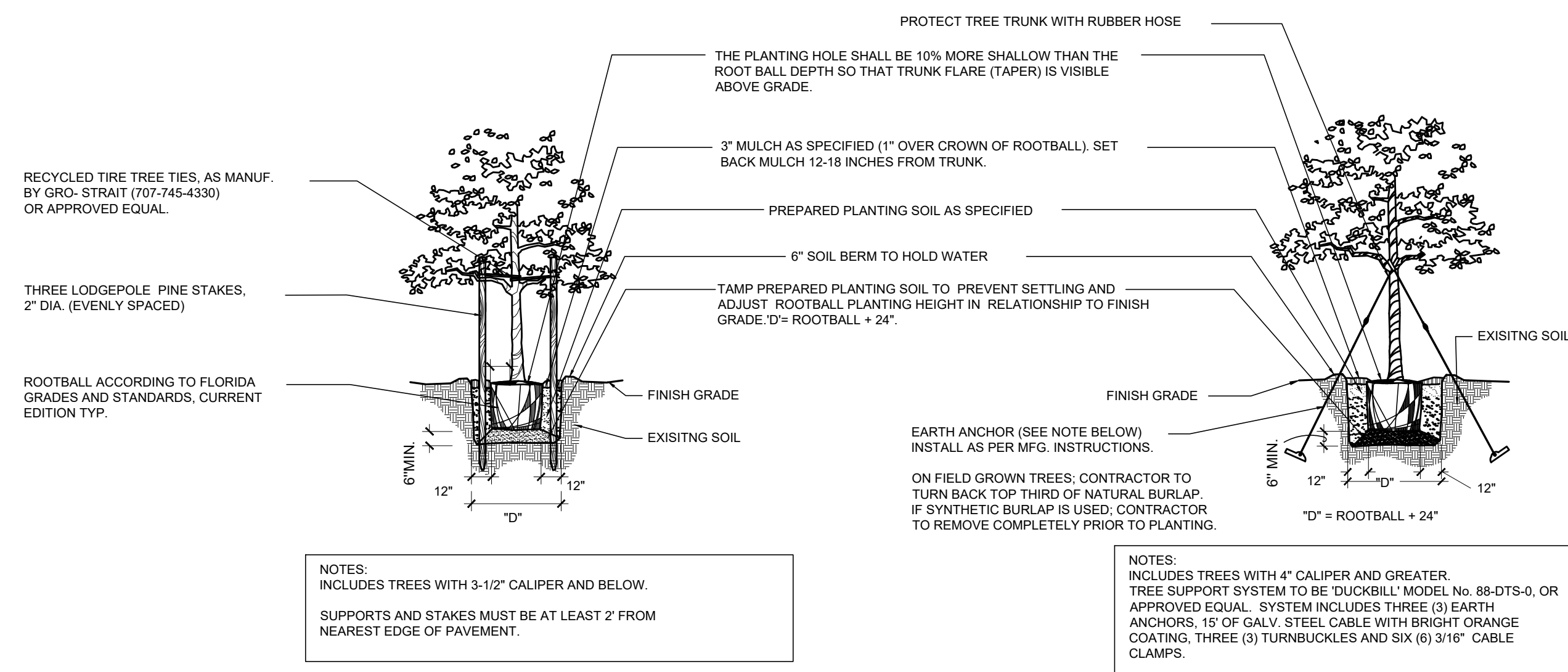
1 ON CENTER PLANTING DETAIL
N.T.S.

2 PALM PLANTING DETAIL
N.T.S.



3 GROUNDCOVER PLANTING DETAIL
N.T.S.

4 SHRUB PLANTING DETAIL
N.T.S.



5 SMALL TREE PLANTING DETAIL
N.T.S.

6 LARGE TREE PLANTING DETAILS
N.T.S.

PLANT LIST						
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	DESCRIPTION	SPACING / GUYING	WATER USE / NATIVE
TREES						
CE	45	CONOCARPUS ERECTUS	GREEN BUTTWOOD TREE	10' -12' HT. x 5' SPRD. / 3" CAL. / STANDARD FORM	AS SHOWN	LOW NAT
LL	22	LYSILOMA LATSILIOQUUM	WILD TAMARIND	14'-16' HT x 8'-10' SPR. / 4" CAL.	SPACE AS SHOWN GUY	LOW NAT
MG	9	MAGNOLIA GRANDIFLORA 'D.D. BLANCHARD'	SOUTHERN MAGNOLIA	14'-16' HT x 4'-6' SPR. / 3" CAL.	SPACE AS SHOWN GUY	LOW NAT
PS	1	PHOENIX SYLVESTRIS	EDIBLE DATE PALM	15' CT. / STRAIGHT TRUNK / SPECIMEN FORM	SPACE AS SHOWN GUY	LOW NAT
QV	6	QUERCUS VIRGINIANA	LIVE OAK	14'-16' HT x 6'-8' SPR. / 3.5" CAL.	SPACE AS SHOWN GUY	LOW NAT
QVH	17	QUERCUS VIRGINIANA 'HIGHRISE'	HIGHRISE LIVE OAK	14'-16' HT x 5' SPRD.; 3.5" CAL.	AS SHOWN	LOW NAT
SP	3	SABAL PALMETTO	CABBAGE PALM	8@12', 8@14', 8@16' CT; STRAIGHT TRUNKS	SPACE AS SHOWN GUY	LOW NAT
TD	7	TAXODIUM DISTICHUM	BALD CYPRESS	10'-12' HT.; 4'-6' SPRD.; 2.5" CAL.	SPACE AS SHOWN GUY	LOW NAT
TD1	6	TAXODIUM DISTICHUM	BALD CYPRESS	14'-16' HT.; 6'-8' SPRD.; 4" CAL.	SPACE AS SHOWN GUY	LOW NAT
SHRUBS						
CES	283	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTWOOD	36" HT. x 24" SPRD. / FULL / 7 GAL.	36" O.C.	LOW NAT
MC	343	MUHLENBERGIA CAPILLARRIS	PINK MUHLY GRASS	24" HT. x 18" SPRD. / FULL / 3G	30" O.C.	LOW NAT
PA	262	PLUMBAGO AURICULATA 'IMPERIAL BLUE'	LEADWORT	24" HT. x 18" SPRD., FULL, 3 GAL.	30" O.C.	LOW FF
SS	41	MYRCIANTHES FRAGRAN	SIMPSON'S STOPPER	30" HT., 30" SPRD. FULL, 7 GAL.	48" O.C.	MED NAT
GROUNDCOVER						
BF	554	BULBINE FRUTESCENS 'HALLMARK'	TANGERINE BULBINE	15" O.A. FULL; 1 GAL.	18" O.C.	LOW FF
JP	1,198	JUNIPERUS CHINENSIS 'PARSONII'	PARSON'S JUNIPER	12" HT. x 15" SPRD.; 3 GAL.; FULL	24" O.C.	LOW FF
RI	1,279	RHAPHIOLEPIS INDICA 'ALBA'	DWARF INDIAN HAWTHORN	15" HT. x 15" SPRD. / FULL / 3 GAL.	24" O.C.	LOW FF
SOD						
	SEE PLANS	PASPALUM NOTATUM	BAHIA GRASS	SOLID, FREE OF PESTS AND DISEASES	FIELD VERIFY QTY.	
	SEE PLANS	STENOTAPHRUM SECUNDATUM 'FLORATAM'	ST. AUGUSTINE GRASS	SOLID, FREE OF PESTS AND DISEASES	FIELD VERIFY QTY.	
MULCH						
	SEE PLANS	MINI PINE BARK NUGGETS	MINI PINE BARK NUGGETS	FREE OF DIRT AND DEBRIS	FIELD VERIFY QTY.	

*NOTE: PLANT SIZES SUPERCEDE NOTED GALLONAGES.
NAT = NATIVE PLANT
FF = FLORIDA FRIENDLY PLANT

NATIVE / PREFERRED SPECIES CALCULATIONS

	REQUIRED	PROVIDED
NATIVE / PREFERRED SPECIES TREES AND PALMS	50%	100% (94 OUT OF 94)
NATIVE / PREFERRED SHRUBS AND GROUNDCOVERS	25%	100% (3,139 OUT OF 3,139)
TOTAL PERCENTAGE OF NATIVE / PREFERRED SPECIES	70%	100%

IRRIGATION NOTE

ALL PROPOSED LANDSCAPE PLANTINGS SHALL BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM PROVIDING 100% COVERAGE WITH A MAXIMUM 50% OVERLAP.

LANDSCAPE PLANTING AND CONTRACTOR NOTES:

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL FREE OF PESTS AND DISEASES.
- ALL PLANTS SHALL BE FLORIDA NO. 1 OR BETTER, AS GRADED IN FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS.
- ALL PLANTS ARE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING, AND AFTER INSTALLATION.
- ALL SINGLE-TRUNKED TREES SHALL BE STRAIGHT TRUNKED WITH ONE CENTRAL LEADER AND HAVE A FULL, DENSE CROWN.
- ALL TREES SHALL BE STAKED AND GUYED AS SHOWN IN PLANTING DETAILS.
- ALL MULCH PLANTING AREAS SHALL BE A MINIMUM OF 3" IN DEPTH.
- ALL PLANTING AREAS SHALL HAVE A MINIMUM OF 3" TOPSOIL.
- ALL TREES SHALL BE FREE OF OPEN WOUNDS AND WOUND SCARS IN THE CLEAR TRUNK AREA.
- ANY SYNTHETIC BURLAP AND/OR WIRE BASKETS MUST BE TOTALLY REMOVED PRIOR TO INSTALLATION OF PLANT MATERIAL. IF NATURAL BURLAP IS USED, IT MAY BE TURNED DOWN 1/3 OF THE ROOTBALL.
- TREES SHALL NOT BE PLACED WITHIN 7' OF ANY FIRE PROTECTION EQUIPMENT AND NOT WITHIN 5' OF ANY UTILITIES.
- TREES SHALL NOT BE PLACED WHERE THEY WILL OBSCURE ANY VIEWS TO TRAFFIC, PEDESTRIANS OR SIGNAGE. CONTRACTOR TO FIELD ADJUST TREE LOCATIONS TO AVOID CONFLICTS. IF PLANTING IS QUESTIONABLE, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE TO DISCUSS RELOCATION.
- CONTRACTOR SHALL TAKE CARE TO PROTECT ALL TREES AND LANDSCAPING MATERIAL WITHIN PROJECT LIMITS AS WELL AS EXISTING TREES IMMEDIATELY ADJACENT TO PROJECT LIMITS. IF THE EXISTING LANDSCAPE, TREES OR OTHER RELATED MATERIALS ARE IMPACTED DURING LANDSCAPE INSTALLATION THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPLACEMENTS, AS WELL AS, ALL OTHER ASPECTS OF REMEDIATION INCLUDING BUT NOT LIMITED TO: TREES, SHRUBS, GROUNDCOVERS, SOD, AND ANY OTHER MATERIALS IMPACTED BY CONSTRUCTION.
- SOIL CONDITIONS MAY VARY THROUGHOUT THE SITE AND CONTRACTOR TO SHALL PROVIDE PROPER EQUIPMENT FOR PROPER EXCAVATION.
- CONTRACTOR SHALL INCLUDE THE COSTS OF EXCAVATION, DISPOSAL OF EXCESS MATERIALS, BACKFILL, SOIL AMENDMENTS, SPECIAL BED PREPARATION, MULCH, TREE STAKING AND GUYING, FERTILIZER, WATERING FOR PLANT ESTABLISHMENT, SITE CLEAN-UP AND MAINTENANCE WITH BID NUMBER.
- CONTRACTOR SHALL SOD ALL DAMAGED GRASS AREAS DISTURBED DURING CONSTRUCTION. SEE LANDSCAPE SPECIFICATIONS FOR SOD INSTALLATION.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN FULL, ALL LANDSCAPE PLANTING AREAS, UNTIL THE JOB IS ACCEPTED IN FULL BY THE OWNER. "IN FULL" MEANS WATERING, PEST CONTROL, MULCHING, MOWING, FERTILIZING AND RESETTING TREES THAT ARE OUT OF PLUMB.
- THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL INSTALLED PLANT MATERIAL FOR A PERIOD OF ONE CALENDAR YEAR BEGINNING ON THE DATE OF 100% COMPLETION. ANY AND ALL REQUIRED PLANT REPLACEMENTS SHALL BE MADE PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER.
- THE LANDSCAPE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL PLANT MATERIAL AND PLANTING BED LINES FOR REVIEW BY THE LANDSCAPE ARCHITECT AND OWNER.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL WRITTEN PLANT QUANTITIES PRIOR TO INITIATION OF THE WORK. IN THE EVENT THAT THE PLANS CONTRADICT THE PLANT LIST, THE PLANS SHALL RULE.
- THE LANDSCAPE CONTRACTOR SHALL BE FAMILIAR WITH AND ACCEPT THE EXISTING SITE CONDITIONS PRIOR TO INITIATION OF THE WORK. ANY VARIATION FROM THE SPECIFIED WORK SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, DRAINAGE STRUCTURES, CURBS, SIDEWALKS, AND ANY OTHER OBJECTS WHICH MIGHT BE DAMAGED DURING THE WORK.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ANY AND ALL NECESSARY REPAIRS TO DAMAGE CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER OR LANDSCAPE ARCHITECT.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, AND FOLLOWING ALL APPLICABLE LOCAL CODES PERTAINING TO THE PROJECT DURING THE COURSE OF THEIR WORK.

PROJECT NUMBER	19-160	
DATE	12.11.2020	
DRAWN BY	JTD	
REVISION		
NO.	DATE	DESCRIPTION
1	08.26.20	- CITY COMMENTS
2	10.01.20	- CITY COMMENTS
3	10.30.20	- CITY COMMENTS

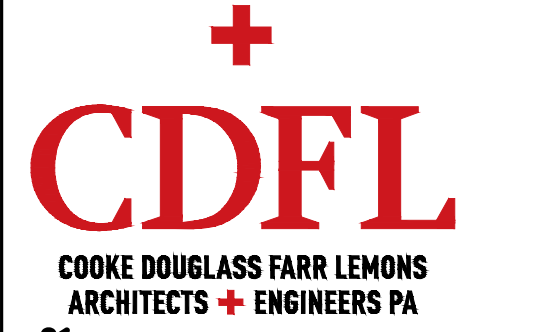
AMENDMENT STAMP

[Empty Stamp Box]

ZONING STAMP

APPLICATION NO.: SP-20-06
 APPLICATION NAME: UPS EXPANSION (2001 AVENUE P)
 RESOLUTION NO.:

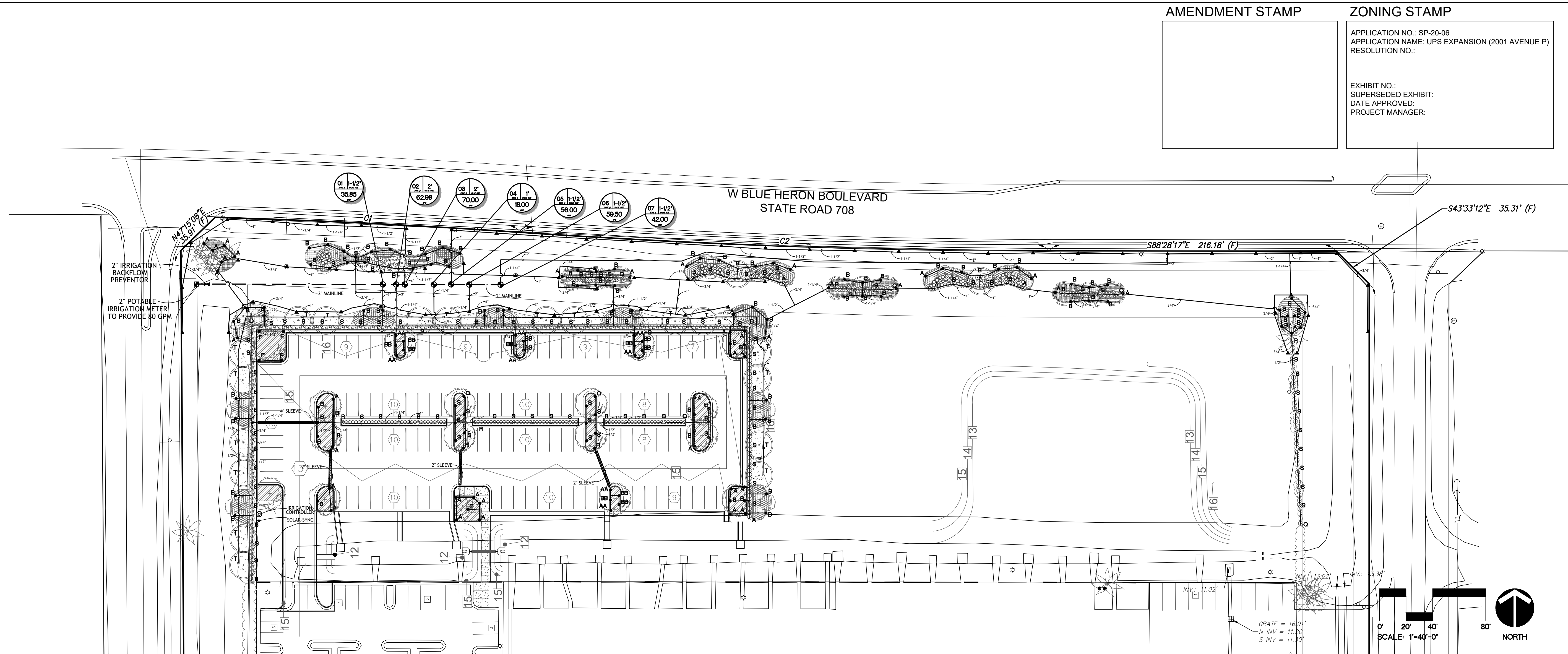
EXHIBIT NO.:
 SUPERSEDED EXHIBIT:
 DATE APPROVED:
 PROJECT MANAGER:



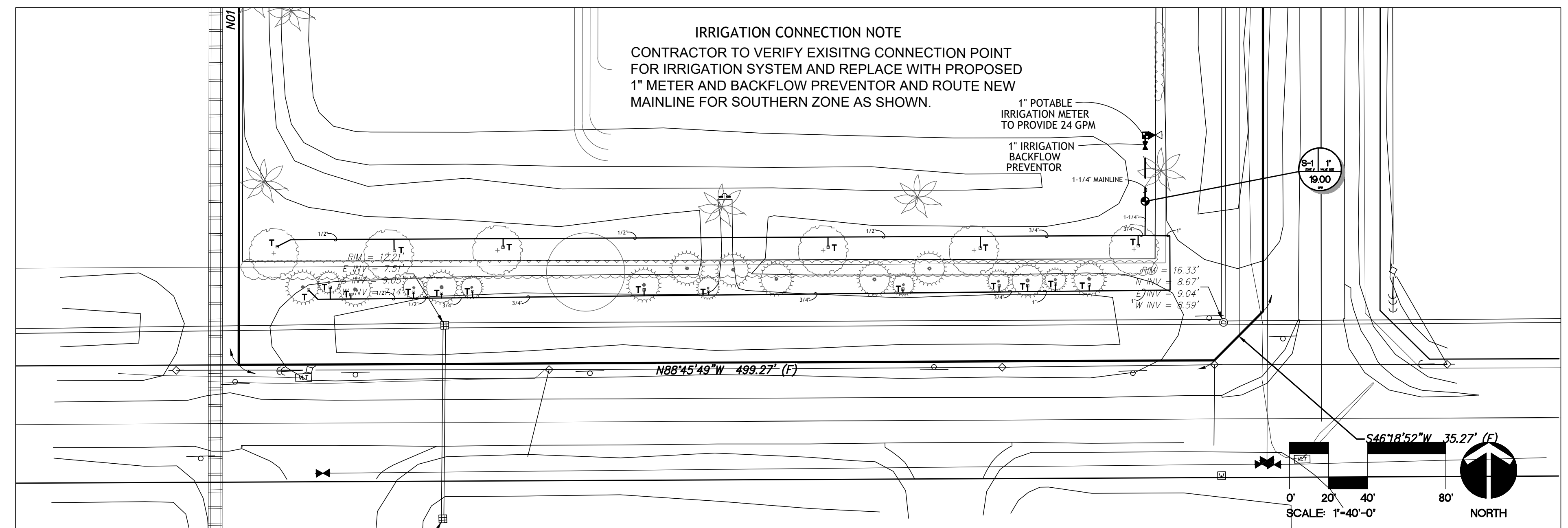
NO.	DATE	DESCRIPTION
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PROJECT NUMBER: 19-160
 DATE: 12.11.2020
 DRAWN BY: JTD

BORRELLI + PARTNERS
 ARCHITECTURE PLANNING LANDSCAPE INTERIOR
 201 W. WASSON ST. SUITE 100
 ORLANDO, FLORIDA 32801
 (407) 438-1138
CONTRACTOR: THE CONTRACTOR SHALL VERIFY THE EXISTING CONNECTION POINT FOR THE PROPOSED CONNECTION TO THE EXISTING IRRIGATION SYSTEM. THE CONTRACTOR SHALL VERIFY THE EXISTING CONNECTION POINT FOR THE PROPOSED CONNECTION TO THE EXISTING IRRIGATION SYSTEM.



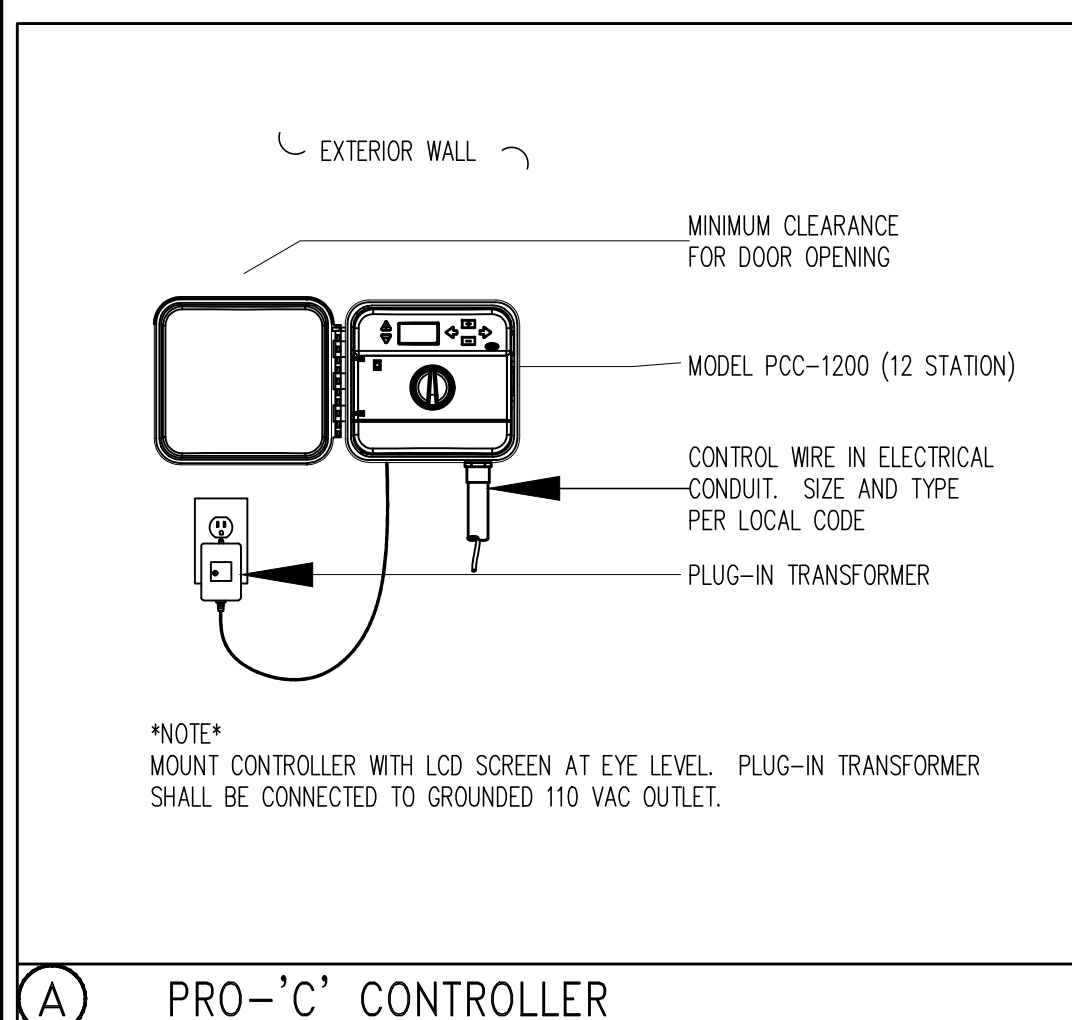
NORTHERN PARKING LOT



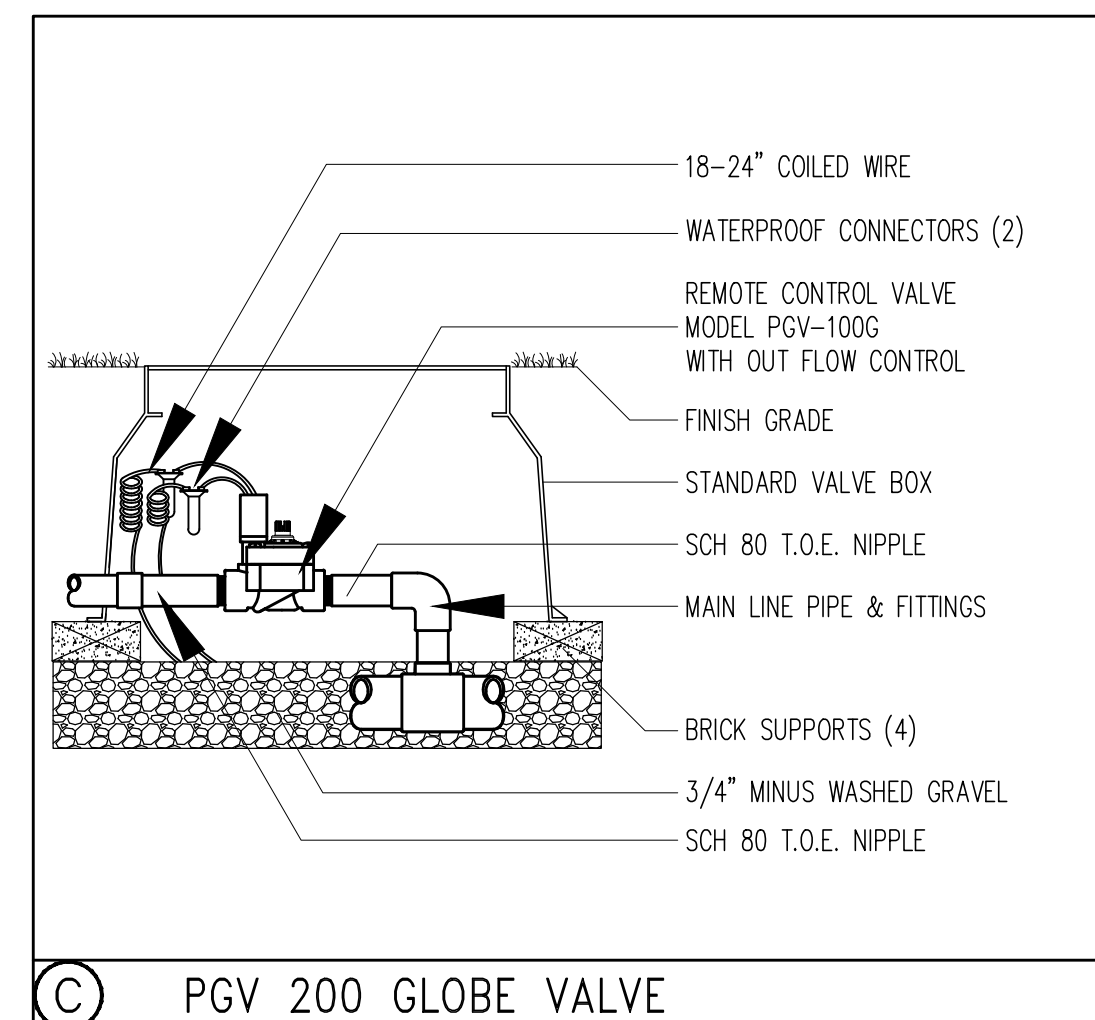
SOUTHERN BUFFER

RIVIERA BEACH BUILDING EXPANSION
 UNITED PARCEL SERVICE
 2001 AVENUE P
 RIVIERA BEACH, FLORIDA

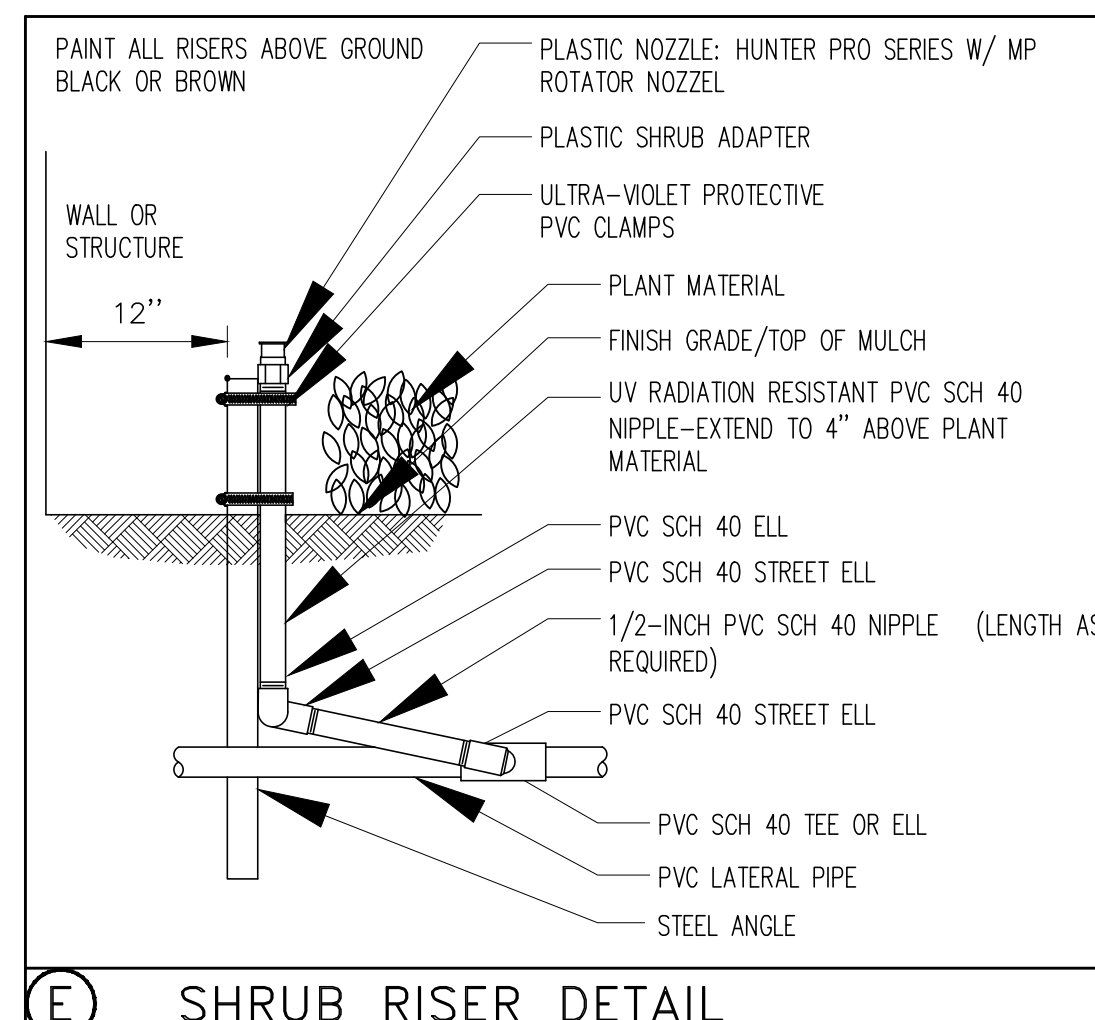
IRRIGATION PLAN
 LI-100



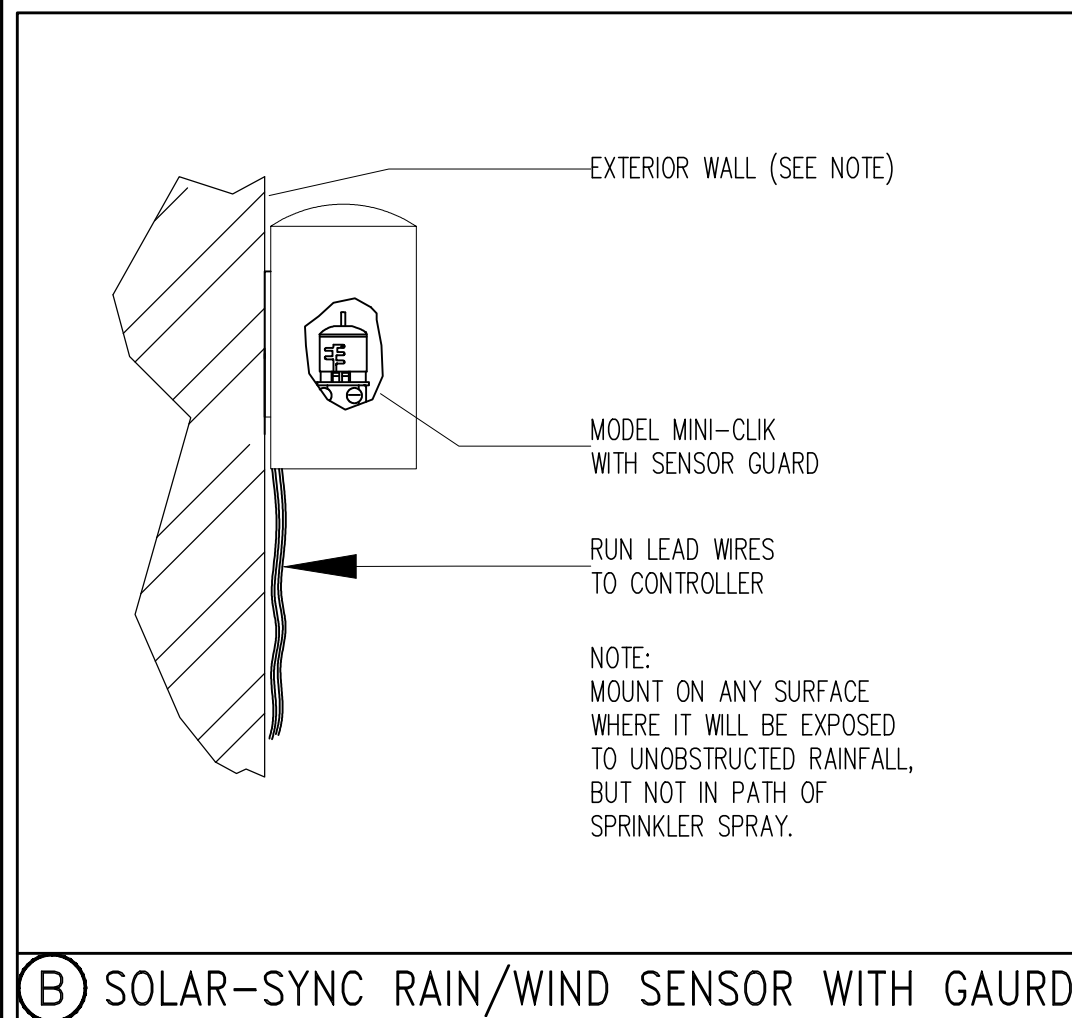
A PRO-C CONTROLLER



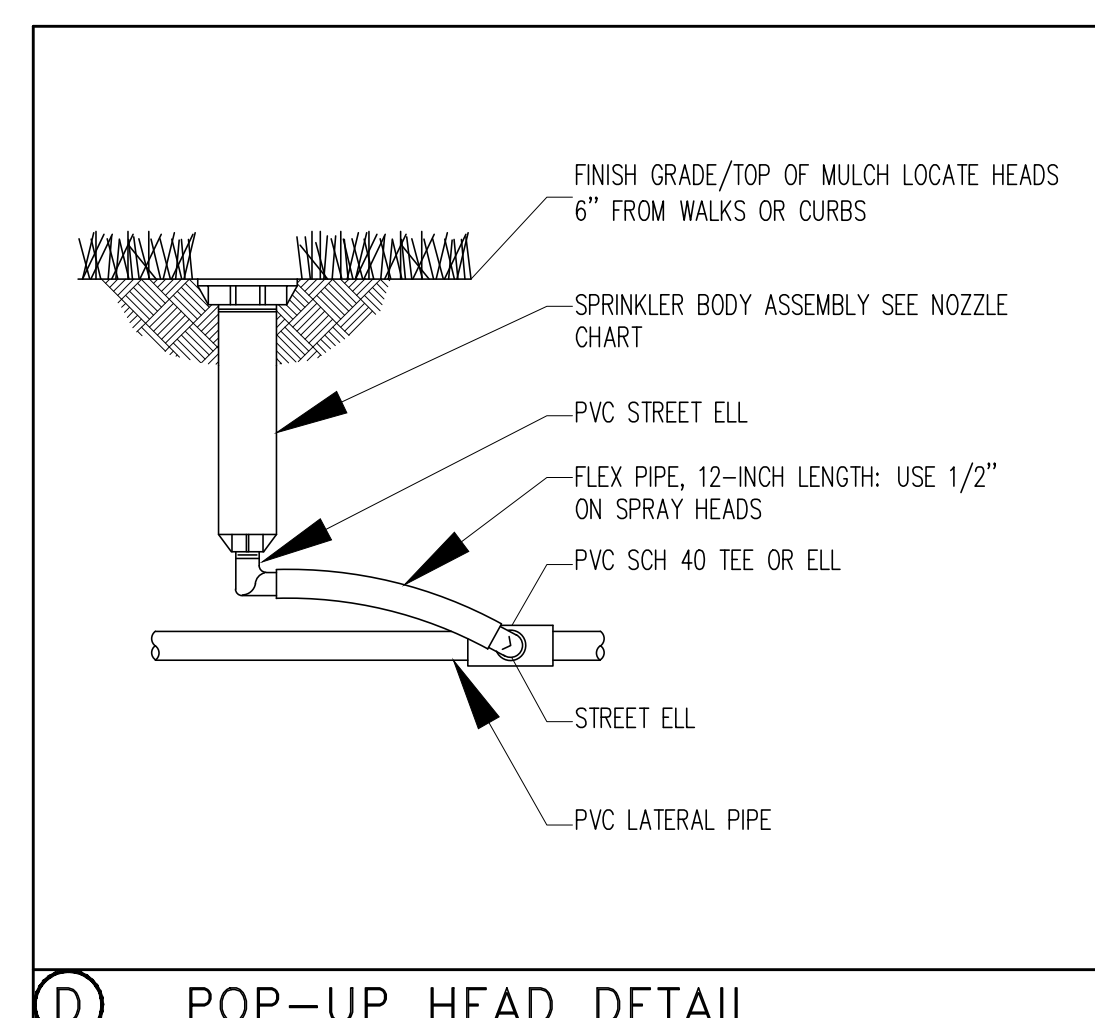
C PGV 200 GLOBE VALVE



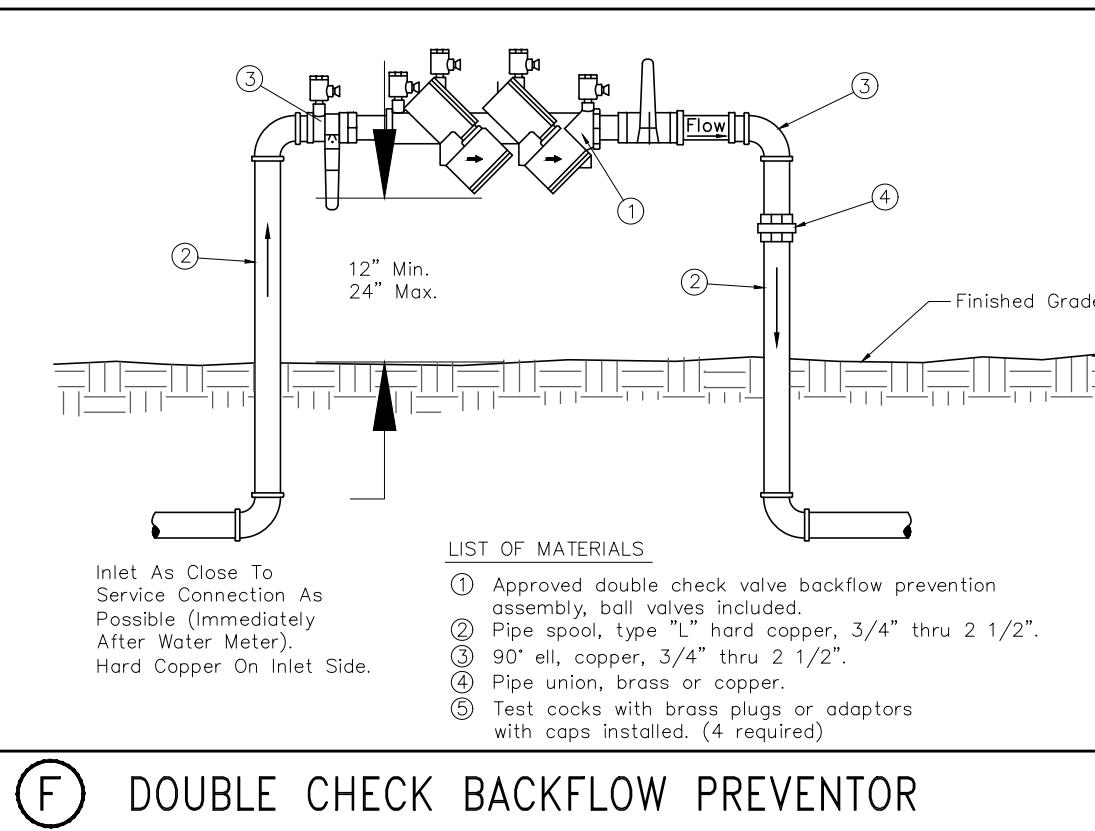
E SHRUB RISER DETAIL



B SOLAR-SYNC RAIN/WIND SENSOR WITH GAURD



D POP-UP HEAD DETAIL



F DOUBLE CHECK BACKFLOW PREVENTOR

SPRAY NOZZLE CHART

TYPE	SYM	NOZZLE	NOZZLE PATTERN	GPM
MP1000 8'-15' radius	A	MAROON	90° ADJUSTABLE ARC	.21
	B	MAROON	180° ADJUSTABLE ARC	.42
	C	LT. BLUE	210° ADJUSTABLE ARC	.49
	D	LT. BLUE	270° ADJUSTABLE ARC	.63
	E	OLIVE	360° ARC	.84
	F	BLACK	90° ADJUSTABLE ARC	.43
MP2000 13'-21' radius	G	BLACK	180° ADJUSTABLE ARC	.77
	H	GREEN	210° ADJUSTABLE ARC	.86
	I	GREEN	270° ADJUSTABLE ARC	1.10
	J	RED	360° ARC	1.48
	K	BLUE	90° ADJUSTABLE ARC	.86
	L	BLUE	180° ADJUSTABLE ARC	1.82
MP3000 22'-30' radius	M	YELLOW	210° ADJUSTABLE ARC	2.12
	N	YELLOW	270° ADJUSTABLE ARC	2.73
	O	GRAY	360° ARC	3.64
	P	TURQUOISE	45°-105° ADJUSTABLE ARC	.45
	Q	IVORY	5x15' LEFT STRIP	.22
	R	COPPER	5x15' RIGHT STRIP	.22
STRIPS & CORNERS	S	BROWN	5x30' SIDE STRIP	.44
	T	PCN10	0.50 GPM FLOOD BUBBLER	.50
	U	PCN50	1.00 GPM FLOOD BUBBLER	1.00
	V	SR-4Q	90° 4' RADIUS	.22
BUBBLERS AND MICRO-SPRAYS	W	SR-4H	180° 4' RADIUS	.44
	AA	ORANGE	90° ADJUSTABLE ARC	.23
	BB	ORANGE	180° ADJUSTABLE ARC	.42
	CC	ORANGE	210° ADJUSTABLE ARC	.43
MP800 6'-12' radius	DD	GREEN	360° ARC	.78

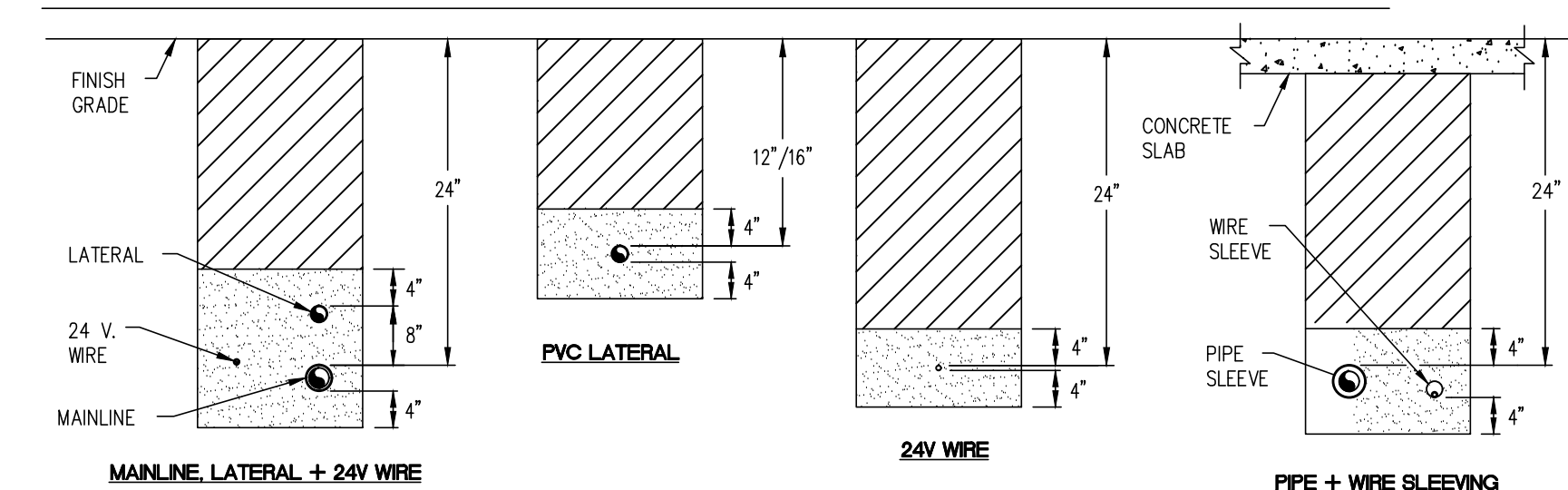
WATERING SCHEDULE

ZONE #	WATER TYPE	WATERING TIME	GAL. PER MINUTE	GAL. PER WAT. MINUTE	PRECIP. IN INCHES
1	SHRUB	30 MIN.	35.85 GPM	1,075.50 GPW	0.24"
2	SHRUB	30 MIN.	62.98 GPM	1,889.40 GPW	0.24"
3	GRASS	60 MIN.	70.00 GPM	4,200.00 GPW	0.47"
4	BUBBLERS	20 MIN.	18.00 GPM	360.00 GPW	0.40"
5	GRASS	60 MIN.	56.00 GPM	3,360.00 GPW	0.47"
6	GRASS	60 MIN.	59.50 GPM	3,570.00 GPW	0.47"
7	GRASS	60 MIN.	42.00 GPM	2,520.00 GPW	0.47"
S-1	BUBBLERS	20 MIN.	19.00 GPM	380.00 GPW	0.40"
TOTAL		5 HR - 20 MIN.	363.33 GPM	17,354.90 GPW	

WATERING SCHEDULE & USAGE CALCULATIONS	34,709.80 GAL / WEEK - SUMMER (MAR 15-OCT 14 (2 TIMES /WEEK))
	17,354.90 GAL / WEEK - WINTER (OCT 15-MAR 14 (1 TIME/WEEK))
	1,353,682.20 GAL / YEAR (78 WATERINGS PER YEAR)
	947,577.54 GAL / YEAR W/ 30% REDUCTION FOR SOLAR-SYNC

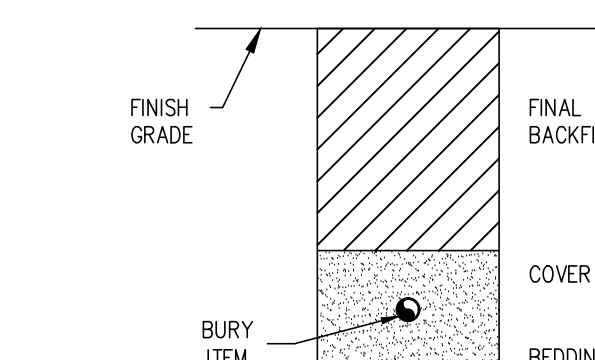
**ZONE RUN TIMES SHOWN ARE FOR AFTER PLANT ESTABLISHMENT PERIOD (90 DAYS).

TRENCHING DETAIL



NOTES:

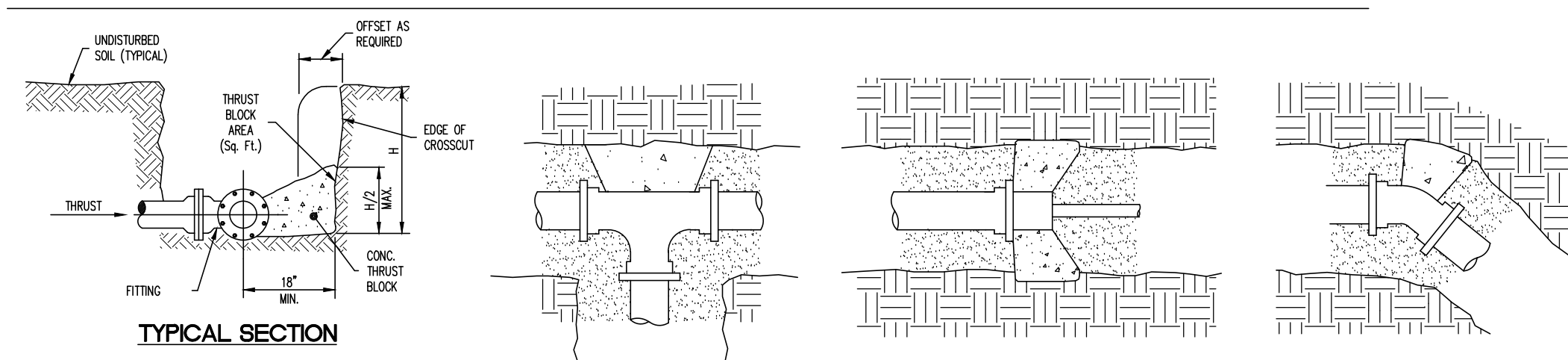
- BEDDING SHALL BE PLACED AND LEVELED PRIOR TO INSTALLATION OF BURY ITEM.
- BACKFILL SHALL BE PLACED IN MAXIMUM 6" LIFTS.
- SLEEVE ALL PIPE AND WIRE SEPARATELY. SLEEVE 2" X DIA. OF PIPE (MIN 2"). ONE PIPE PER SLEEVE. SLEEVES TO BE PRIMED AND SOLVENT WELDED.
- ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS WITH PIPE LABELING FACING UP FOR INSPECTION PURPOSES. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
- ALL 120 V. WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
- TAPE AND BUNDLE IRRIGATION CONTROL WIRES EVERY 10'. PROVIDE LOOSE 20" LOOP AT ALL CHANGES OF DIRECTION OVER 90'.
- ALL REMOTE CONTROL VALVE WIRING NOT INSTALLED WITH MAINLINE PIPE SHALL BE INSTALLED IN A MINIMUM 2" SCHEDULE 40 GREY ELECTRICAL CONDUIT OR AS APPROVED.
- "NON-POTABLE" WARNING TAPE TO BE INSTALLED ON ALL PRESSURIZED MAINLINES 12" ABOVE THE PIPE.
- INSTALL ONE ADDITIONAL SLEEVE SIZED TO MATCH THE LARGEST REQUIRED SLEEVE WITH ENDS TAPED FOR FUTURE USE.
- SLEEVES TO EXTEND A MINIMUM OF 12" PAST HARDCAPE PLANTERS, CURBS, SIDEWALKS, ETC. SLEEVES TO BE STAGGERED/OFFSET SO THAT SLEEVE USE IS NOT OBSTRUCTED BY OTHER PIPES.
- WHERE PRESSURE SUPPLY PIPING IS INSTALLED WITHOUT CONTROL WIRING, A 14 GA. TRACKING WIRE SHALL BE INSTALLED.



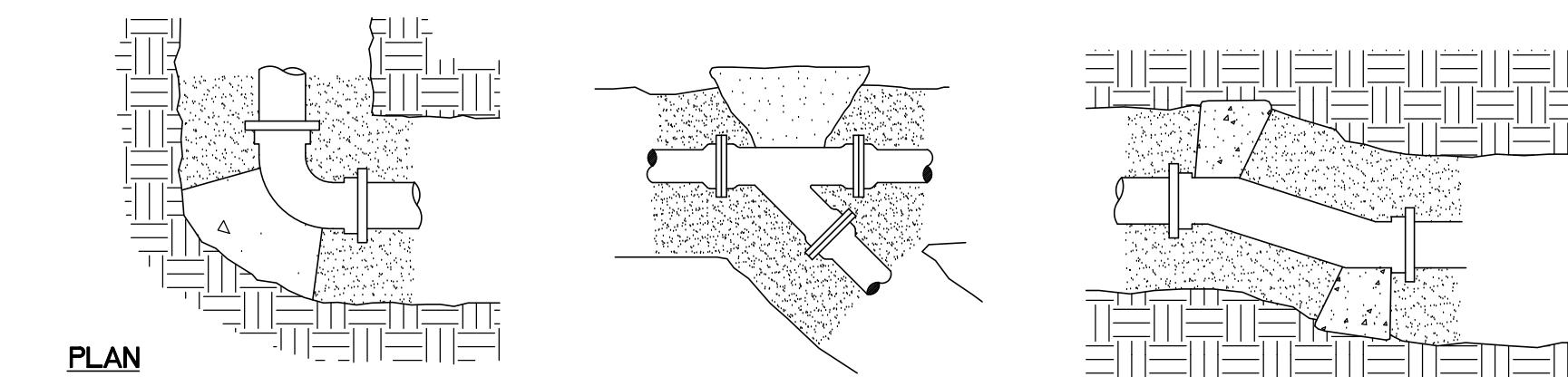
EXCAVATED MATERIAL SHALL BE FINELY SCREENED WITH NO ROCKS LARGER THAN 1".

BEDDING AND COVER MATERIAL SHALL BE TOPSOIL WITH NO ROCKS.

THRUST BLOCK DETAIL



THRUST BLOCKS ARE TO BE CONSTRUCTED WITH 3,000 PSI CONCRETE AT 48 HRS. STEEL REINFORCING RODS WILL BE REQ'D IF SURROUNDING SOIL HAS A BEARING VALUE OF LESS THAN 2,000 PSF. THRUST BLOCKS REQUIRED AT ALL FITTINGS AND DIRECTION CHANGES ON MAIN LINES. NOTE THRUST BLOCK LOCATIONS ON AS-BUILT DRAWINGS.



IRRIGATION EQUIPMENT LIST

SYMBOL	DESCRIPTION	QUANTITY
□	HUNTER INDUSTRIES PCN BUBBLER	37
●	12" POP-UP SPRAY - HUNTER IND. 'PROS-12-PRS40' BODY W/MP800 NOZZLES	20
●	12" POP-UP SPRAY - HUNTER INDUSTRIES MPR40 W/MP1000 NOZZLES	137
●	SPRAY ON RISER - HUNTER INDUSTRIES INST-00-CV-MP1000	110
■	12" POP-UP SPRAY-HUNTER IND. 'PROS-12-PRS40' BODY W/ MP2000 NOZZLES	4
▲	HUNTER INDUSTRIES PGP ROTOR	61
▲	HUNTER INDUSTRIES PGP ROTOR - FULL CIRCLE	2
●	HUNTER 'PGV' SERIES ELECTRIC VALVE WITH ACCU-SET PRESSURE REGULATOR 1", 1.5", AND 2"	7
●	HUNTER 'NODE-100-VALVE' SERIES ELECTRIC VALVE/CONTROLLER WITH 'SPNODE' SOLAR PANEL KIT 1"	1
○	HUNTER PRO-C "PCC-1200" CONTROLLER, 12 STATION UNIT WITH PLASTIC CABINET. (MOUNT ON SIDE OF WALL GC TO PROVIDE POWER)	1
⊕	HUNTER "SOLAR-SYNC" SENSOR SYSTEM	1
■	1" POTABLE IRRIGATION METER PROVIDE 80 GPM AT 40 PSI	1 EACH (BY OWNER)
■	2" POTABLE IRRIGATION METER PROVIDE 80 GPM AT 40 PSI	1 EACH (BY OWNER)
⊗	1" IRRIGATION DOUBLE-CHECK BACKFLOW PREVENTER	1 EACH
⊗	2" IRRIGATION DOUBLE-CHECK BACKFLOW PREVENTER	1 EACH
—	LATERAL LINE SIZE PER PLAN	SEE PLAN
—	1-1/4" AND 2" MAINLINE CLASS 200 P.V.C. SIZE PER PLAN	SEE PLAN
—	SLEEVING - SCH. 40 P.V.C. MIN. DEPTH OF 24"	SEE PLAN

PROJECT NUMBER	19-160		
DATE	12.11.2020		
DRAWN BY	JTD		
REVISION	NO.	DATE	DESCRIPTION
	1	08.26.20	CITY COMMENTS
	2	10.01.20	CITY COMMENTS
	3	10.30.20	CITY COMMENTS