

12TH STREET PARK RENOVATIONS

DRAWINGS

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12th Street Park Renovations

PREPARED FOR CITY OF SUNRISE, FLORIDA
SECTION 35, TOWNSHIP 49 SOUTH, RANGE 41 EAST

PREPARED FOR:



CITY COMMISSION:

- MICHAEL J. RYAN - MAYOR
- JOSEPH A. SCUOTTO - DEPUTY MAYOR
- NEIL C. KERCH - ASSISTANT DEPUTY MAYOR
- LAWRENCE A. SOFIELD - COMMISSIONER
- DONALD K. ROSEN - COMMISSIONER
- RICHARD SALAMON - CITY MANAGER
- ROSEMARIE MARCO - LEISURE SERVICES DIRECTOR



SITE

PROJECT LOCATION MAP NTS

CITY OF SUNRISE, BROWARD COUNTY, FLORIDA

(CURRENT NAD 83/90 ADJUSTMENT FOR FLORIDA EAST ZONE)

INDEX OF DRAWINGS:

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IR-1 - IR-3	IRRIGATION PLAN AND NOTES
E-1 - E-3	ELECTRICAL PLANS

- NOTES:
- 1) CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF SUNRISE MINIMUM DESIGN AND CONSTRUCTION STANDARDS.
 - 2) ALL DRAWINGS IN PLAN SET UTILIZE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 - 4) ALL WORK AREAS SHALL BE FENCED OFF FROM PUBLIC ACCESS.

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PROJECT TEAM

PRIME CONSULTANT
LANDSCAPE ARCHITECT/ SURVEYOR/
CIVIL ENGINEER



CRAVEN THOMPSON & ASSOCIATES, INC.
3563 N.W. 53RD STREET
FORT LAUDERDALE, FL 33309
954.739.6400

CRAVEN THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

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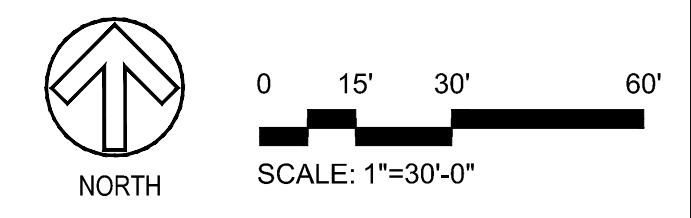
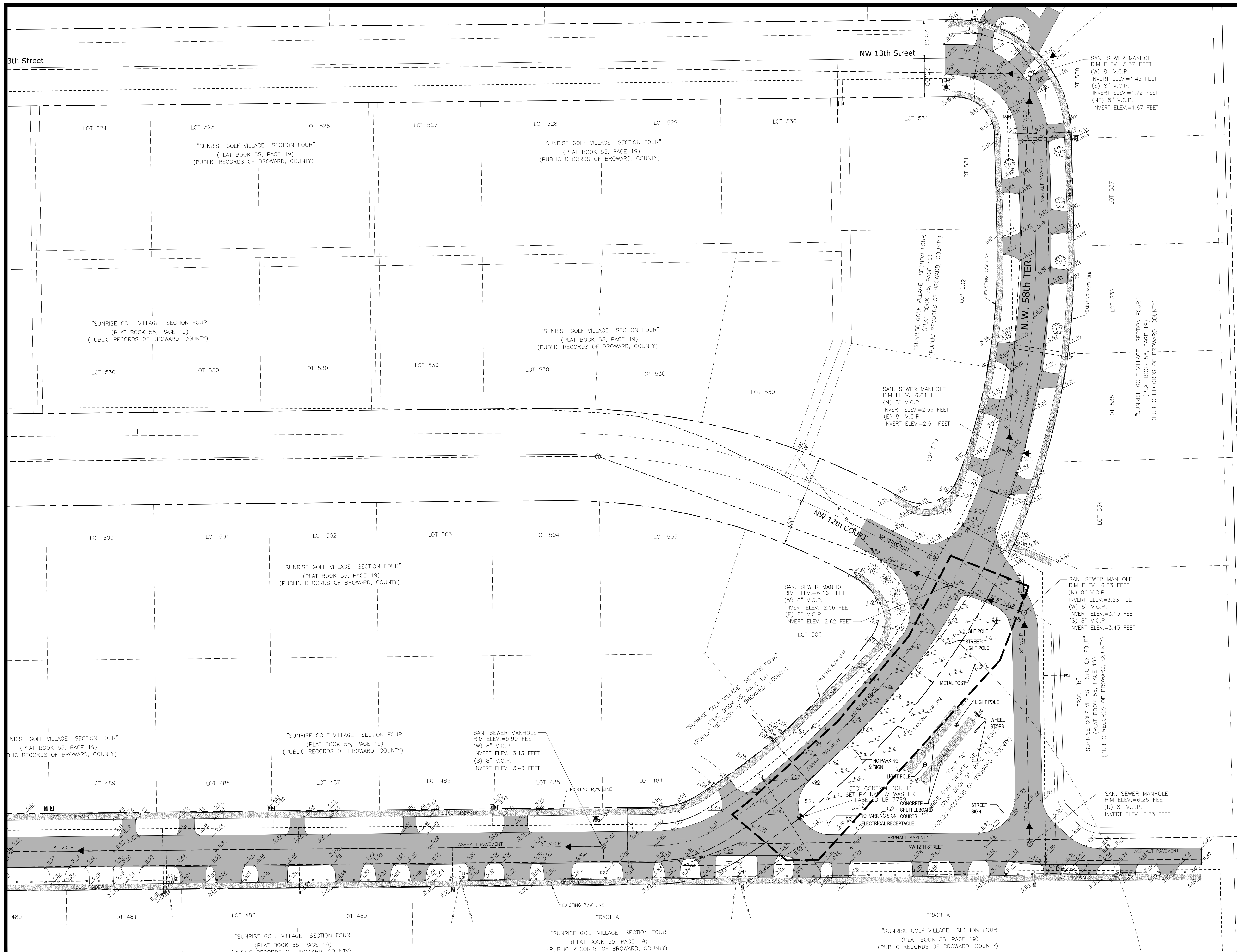
12TH STREET PARK RENOVATIONS
LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
PREPARED FOR: CITY OF SUNRISE, FLORIDA

COVER SHEET

SEAL	DATE: 07/06/16
Douglas James Schultz Florida RLA No. LA 6666937	DRAWING NO. CVR
PROJECT #: 15-0108	

DATE:				
SCALE:				
DESIGNED BY:	DJS			
DRAWN BY:	DJS			
CHECKED BY:	DJS			
APPROVED BY:	JDH			
	DESCRIPTION	BY:	DATE:	

NOTES: CITY OF SUNRISE PROVIDED THE SURVEY COMPLETED BY 3TCI, PROFESSIONAL LAND SURVEYORS AND MAPPERS ON MARCH 16, 2016.



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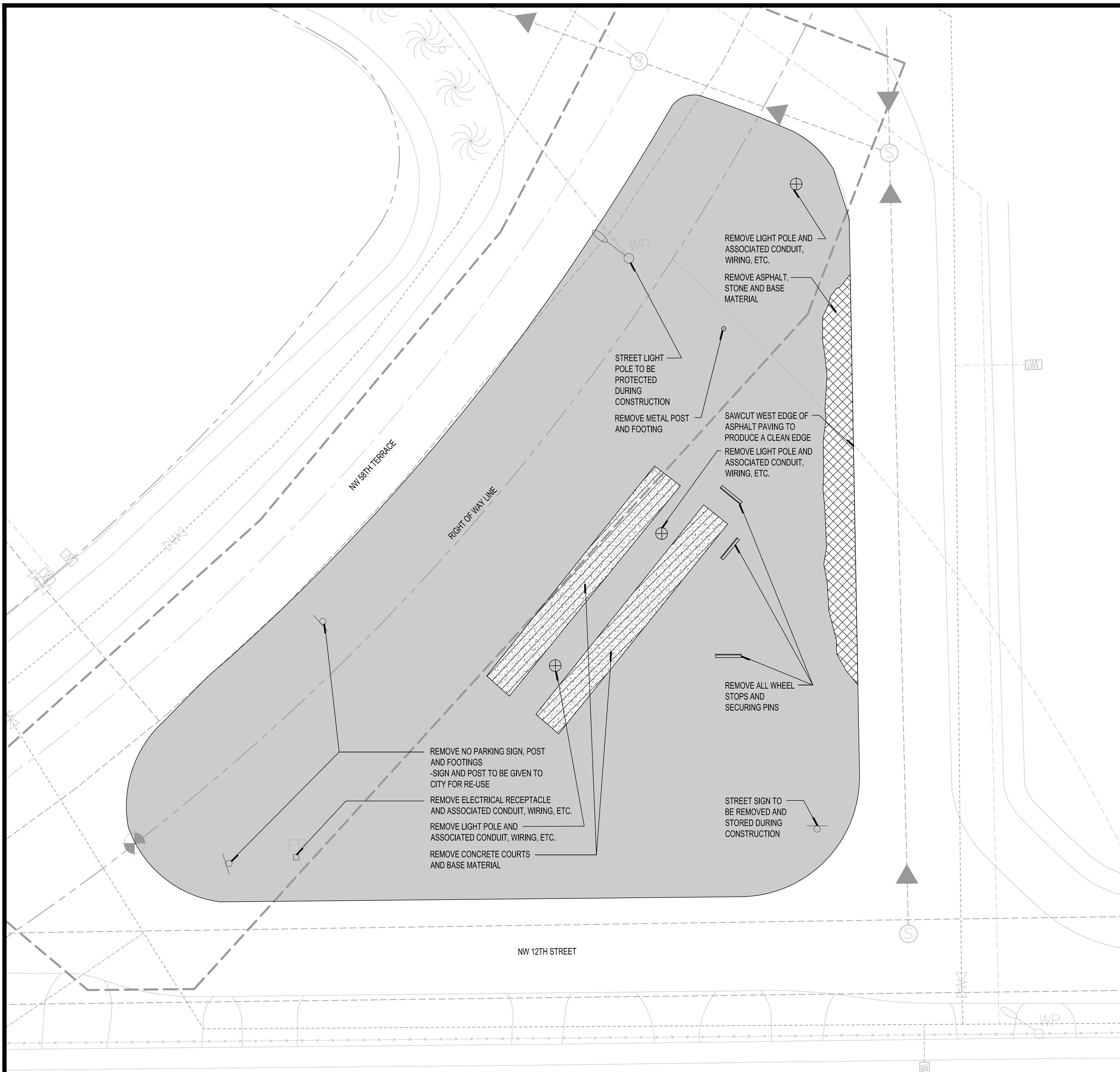
DATE:				
SCALE:				
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DRAWN BY:	DJS			
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 FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 0000114
WEBSITE: WWW.CTASUNRISE.COM. WEBSITE: WWW.CTASUNRISE.COM. WEBSITE: WWW.CTASUNRISE.COM. WEBSITE: WWW.CTASUNRISE.COM. WEBSITE: WWW.CTASUNRISE.COM.

**12TH STREET PARK
 RENOVATIONS**
 LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
 PREPARED FOR: CITY OF SUNRISE, FLORIDA

SURVEY




SEAL	DATE:
	07/06/16
Douglas James Schultz	DRAWING NO.
Florida RLA No. LA 6666937	V-1
PROJECT #:	
15-0108	

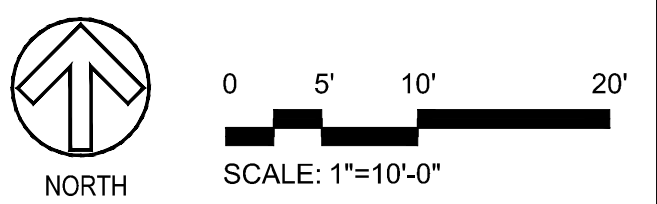


DEMOLITION NOTES:

1. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING DEMOLITION.
2. SITE SHALL BE CLEARED OF ANY DEBRIS, WEEDS AND GRASS PRIOR TO START OF CONSTRUCTION.
3. ANY AREAS OF CONCRETE, ASPHALT OR HARDSCAPE MATERIALS TO BE REMOVED SHALL INCLUDE THE REMOVAL OF THE BASE MATERIAL PROFILE TO A DEPTH REACHING CLEAN SOIL.
4. THE CONTRACTOR SHALL NOTIFY THE CITY OF SUNRISE PRIOR TO START OF CONSTRUCTION.
5. ALL DISTURBED AREA OUTSIDE OF SITE LIMIT AREA TO BE RESTORED.

DEMOLITION LEGEND

-  EXISTING ASPHALT TO BE REMOVED
-  EXISTING CONCRETE TO BE REMOVED
-  CLEAR AND GRUB AREA



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	DESCRIPTION	BY:	DATE:	

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WE DESIGN, SURVEY, DESIGN, AND CONSTRUCT. WE ARE YOUR PARTNER IN THE PROCESS OF CREATING THE IDEAL ENVIRONMENT FOR YOUR PROJECT.

**12TH STREET PARK
 RENOVATIONS**
 LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
 PREPARED FOR: CITY OF SUNRISE, FLORIDA

DEMOLITION PLAN

SEAL	DATE: 07/06/16
Douglas James Schultz Florida RLA No. LA 6666937	DRAWING NO. D-1
PROJECT #: 15-0108	

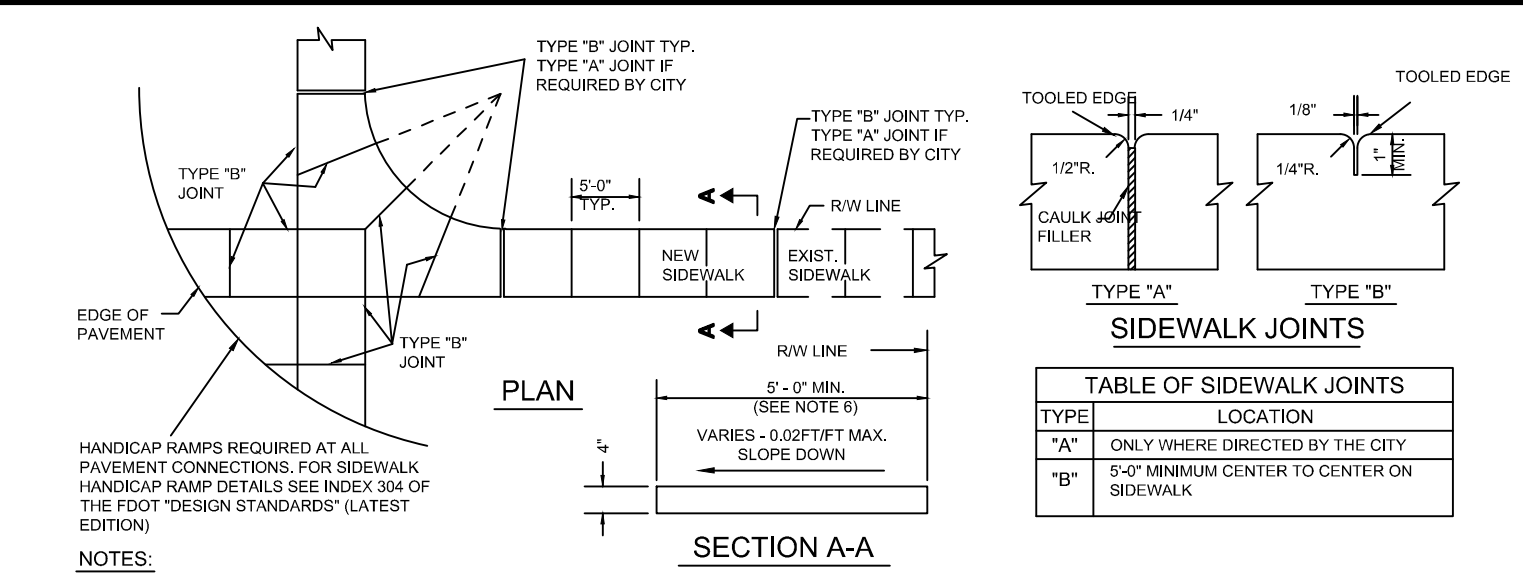
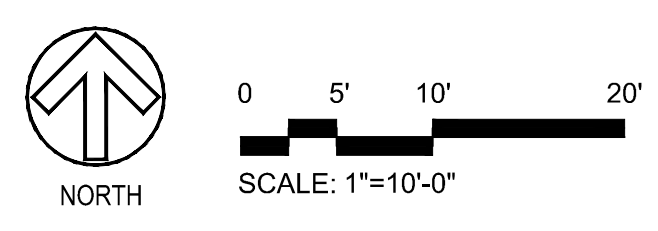
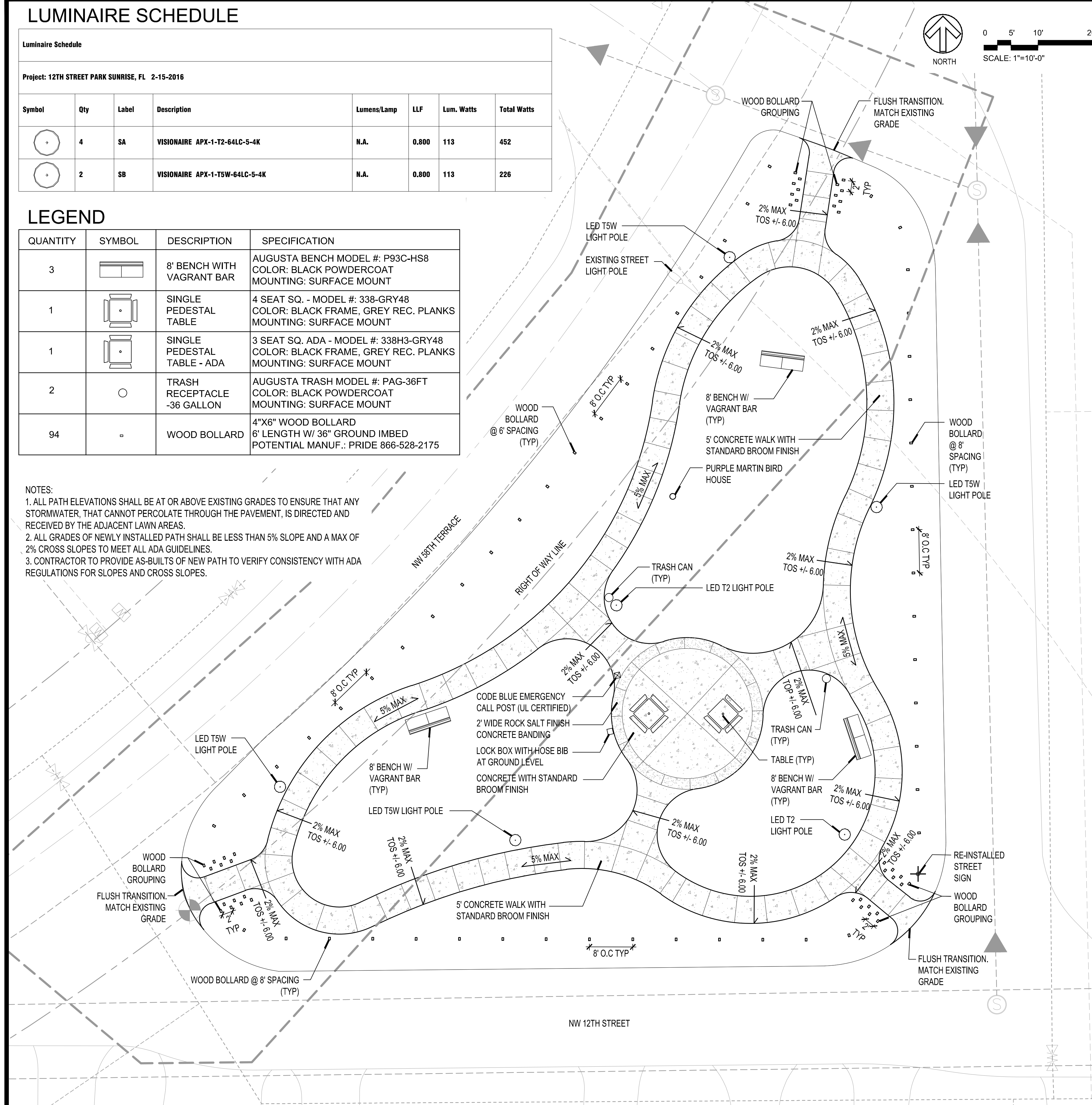
LUMINAIRE SCHEDULE

Symbol	Qty	Label	Description	Lumens/Lamp	LLF	Lum. Watts	Total Watts
	4	SA	VISIONAIRE APX-1-T2-64LC-5-4K	N.A.	0.800	113	452
	2	SB	VISIONAIRE APX-1-T5W-64LC-5-4K	N.A.	0.800	113	226

LEGEND

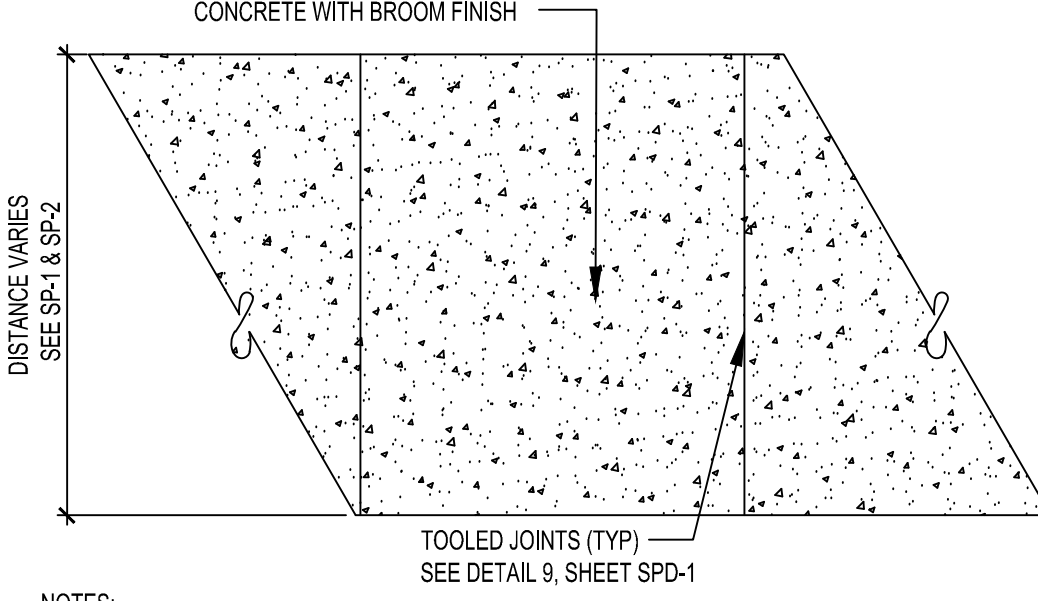
QUANTITY	SYMBOL	DESCRIPTION	SPECIFICATION
3		8' BENCH WITH VAGRANT BAR	AUGUSTA BENCH MODEL #: P93C-HS8 COLOR: BLACK POWDERCOAT MOUNTING: SURFACE MOUNT
1		SINGLE PEDESTAL TABLE	4 SEAT SQ. - MODEL #: 338-GRY48 COLOR: BLACK FRAME, GREY REC. PLANKS MOUNTING: SURFACE MOUNT
1		SINGLE PEDESTAL TABLE - ADA	3 SEAT SQ. ADA - MODEL #: 338H3-GRY48 COLOR: BLACK FRAME, GREY REC. PLANKS MOUNTING: SURFACE MOUNT
2		TRASH RECEPTACLE -36 GALLON	AUGUSTA TRASH MODEL #: PAG-36FT COLOR: BLACK POWDERCOAT MOUNTING: SURFACE MOUNT
94		WOOD BOLLARD	4"x6" WOOD BOLLARD 6' LENGTH W/ 36" GROUND IMBED POTENTIAL MANUF.: PRIDE 866-528-2175

NOTES:
 1. ALL PATH ELEVATIONS SHALL BE AT OR ABOVE EXISTING GRADES TO ENSURE THAT ANY STORMWATER, THAT CANNOT PERCOLATE THROUGH THE PAVEMENT, IS DIRECTED AND RECEIVED BY THE ADJACENT LAWN AREAS.
 2. ALL GRADES OF NEWLY INSTALLED PATH SHALL BE LESS THAN 5% SLOPE AND A MAX OF 2% CROSS SLOPES TO MEET ALL ADA GUIDELINES.
 3. CONTRACTOR TO PROVIDE AS-BUILTS OF NEW PATH TO VERIFY CONSISTENCY WITH ADA REGULATIONS FOR SLOPES AND CROSS SLOPES.



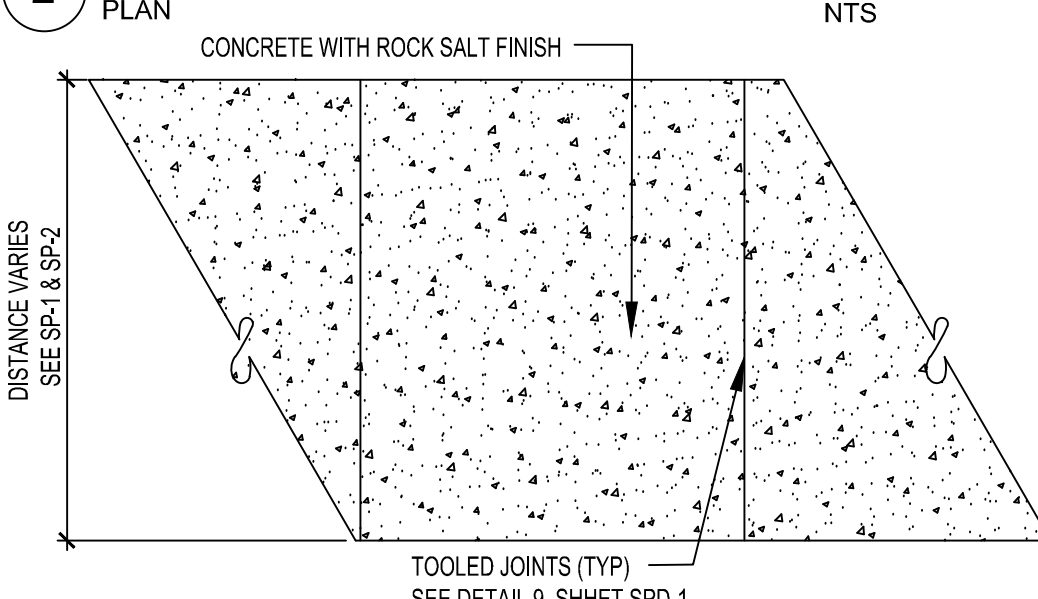
- FOR NEW SIDEWALK LOCATIONS SURGRADE BELOW SIDEWALK SHALL BE A MIN. L.B.R.-40 COMPACTED TO 98% OF MAX. DENSITY PER A.A.S.H.T.O. T-180.
- CONCRETE TO BE 3,000 P.S.I. @ 28 DAYS
- ALL JOINTS AND EDGES OF NEW SIDEWALK SHALL BE TOOLED. NO SAWCUT JOINTS ARE PERMITTED IN NEW SIDEWALK.
- THE USE OF WIRE MESH REINFORCEMENT IN SIDEWALK WILL NOT BE PERMITTED.
- SIDEWALK SLOPES SHALL MEET THE REQUIREMENTS OF THE "AMERICAN WITH DISABILITIES ACT". CROSS SLOPES SHALL NOT EXCEED 0.02FT (2.0%).
- ALL SIDEWALKS SHALL BE 4" THICK EXCEPT AT DRIVEWAY CROSSINGS AND OTHER VEHICULAR CROSSING AREAS WHERE THE SIDEWALK SHALL BE A MINIMUM OF 8" THICK.
- MINIMUM WIDTH OF SIDEWALK PLACED AT BACK OF CURB IS 6'-0".
- FOR TYPE "A" EXPANSION JOINTS PRE-ANALYZED EXPANSION MATERIAL IS NOT PERMITTED. EXPANSION JOINTS TO BE USED ONLY IF APPROVED BY THE ENGINEERING DIVISION AND SHALL BE SEALED WITH APPROVED FLEXIBLE RUBBERIZED CAULK.
- SIDEWALKS SHALL HAVE A LIGHT FINISH.

1 CONCRETE SIDEWALK PROFILE



NOTES:
 1) THIS IS THE TYPICAL FINISH FOR ALL CONCRETE WALKWAYS WITHIN THE PARK PROPERTY.
 2. A 4"x4" SAMPLE POUR SHALL BE CONSTRUCTED ON SITE IN A LOCATION THAT IT CAN REMAIN FOR THE DURATION OF THE PROJECT.
 LANDSCAPE ARCHITECT TO APPROVE SAMPLE PRIOR TO INSTALLATION ON SITE ELEMENTS.
 SEE DETAIL 1 FOR SIDEWALK PROFILE

2 CONCRETE WALKWAY- STANDARD BROOM FINISH



NOTE: 4"x4" SAMPLE POUR SHALL BE CONSTRUCTED ON SITE IN A LOCATION THAT IT CAN REMAIN FOR THE DURATION OF THE PROJECT.
 LANDSCAPE ARCHITECT TO APPROVE SAMPLE PRIOR TO INSTALLATION ON SITE ELEMENTS.
 SEE DETAIL 1 FOR SIDEWALK PROFILE

3 CONCRETE WALKWAY- ROCK SALT FINISH



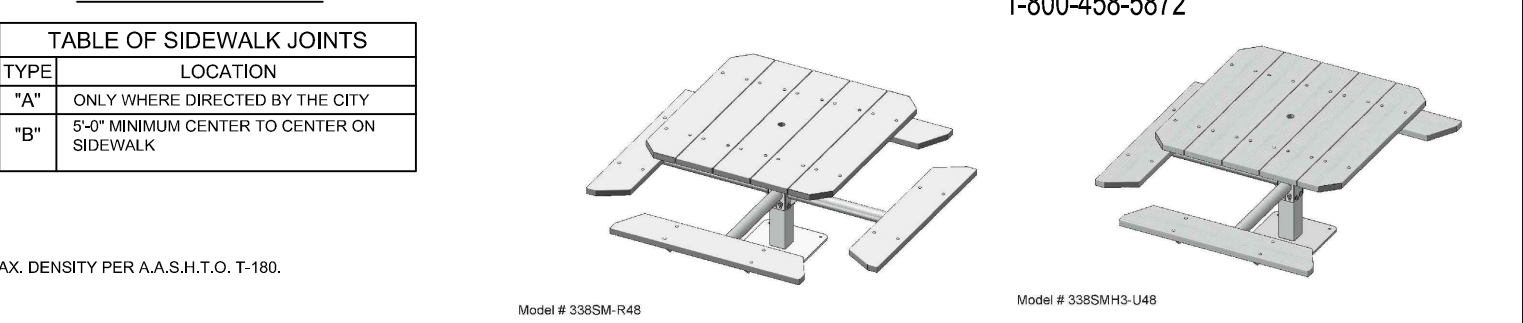
AUGUSTA 8' BENCH WITH VAGRANT BAR MODEL #: P93C-HS8
 COLOR: BLACK POWDERCOAT
 MOUNTING: SURFACE MOUNT
 MANUFACTURER: ULTRASITE 1-800-458-5872



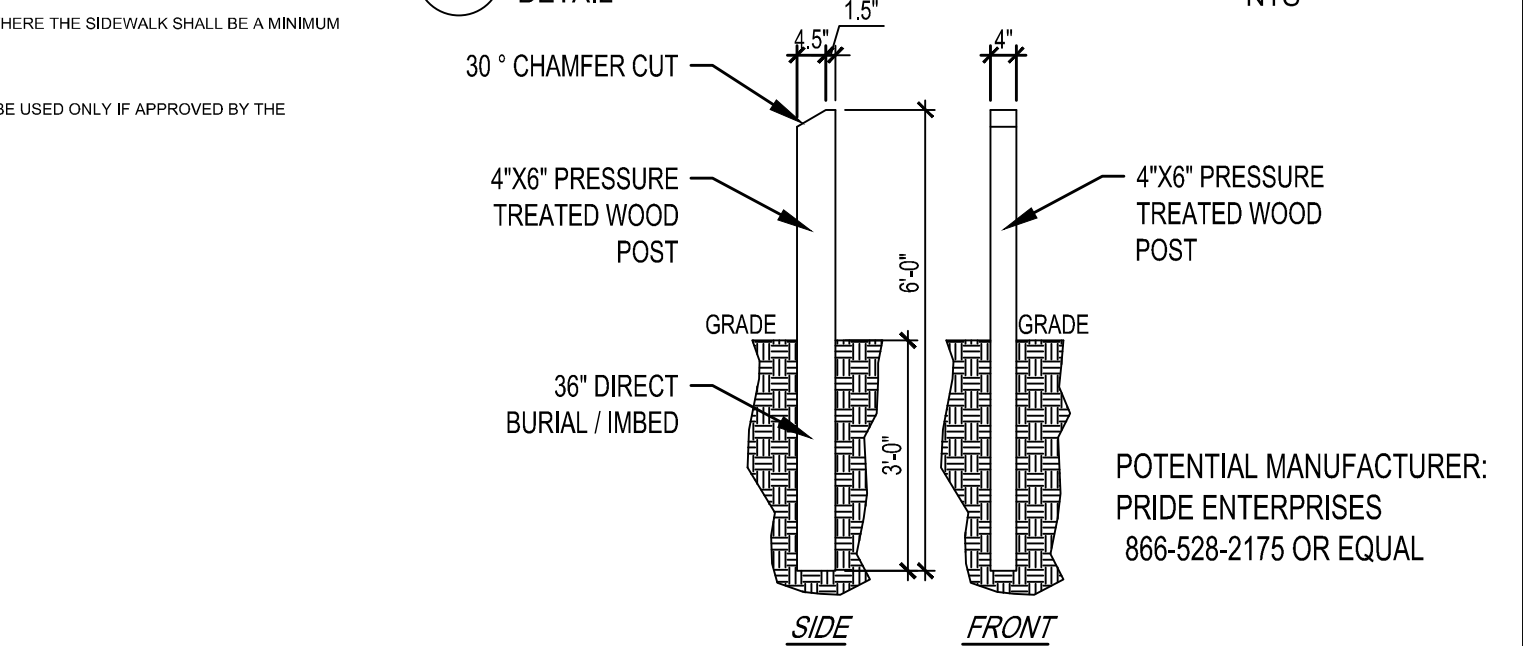
4 BENCH PLAN NTS

4 SEAT SQUARE SINGLE PEDESTAL TABLE - MODEL #: 338-GRY48
 COLOR: BLACK FRAME WITH GREY RECYLED PLANK TABLE TOP
 MOUNTING: SURFACE MOUNT
 MANUFACTURER: ULTRASITE 1-800-458-5872

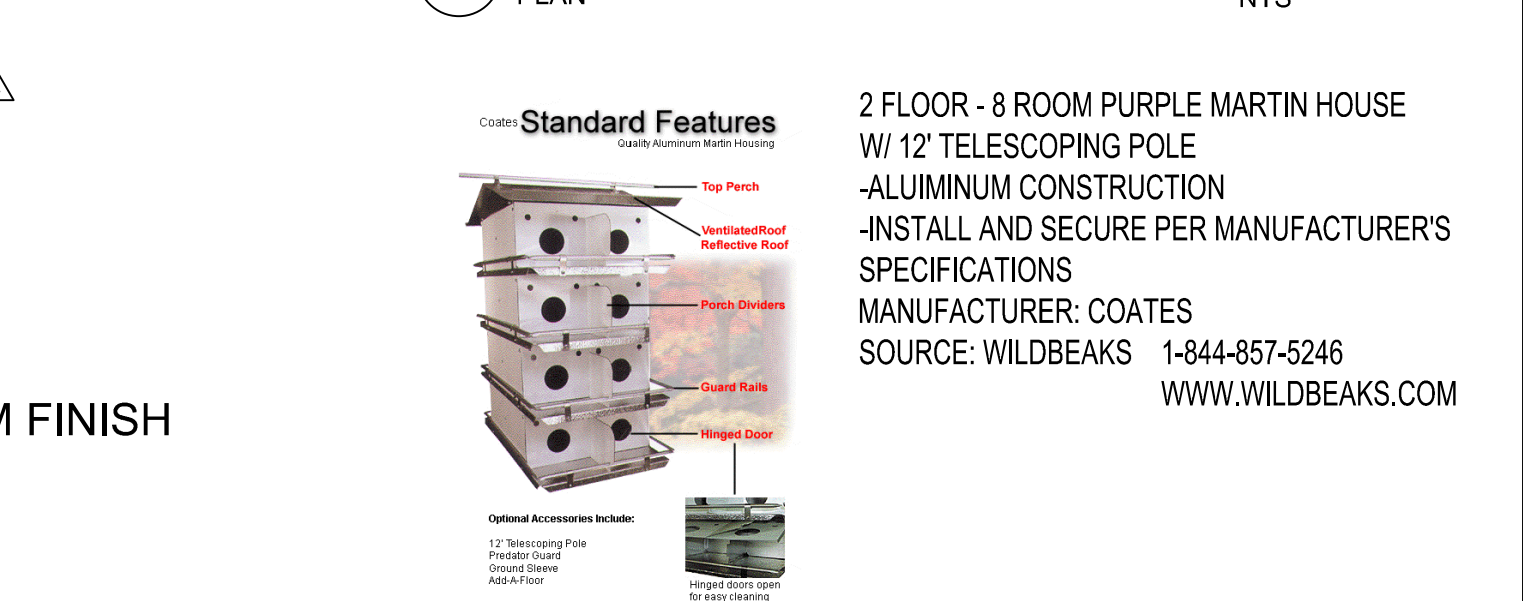
3 SEAT SQUARE SINGLE PEDESTAL ADA TABLE - MODEL #: 338H3-GRY48
 COLOR: BLACK FRAME WITH GREY RECYLED PLANK TABLE TOP
 MOUNTING: SURFACE MOUNT
 MANUFACTURER: ULTRASITE 1-800-458-5872



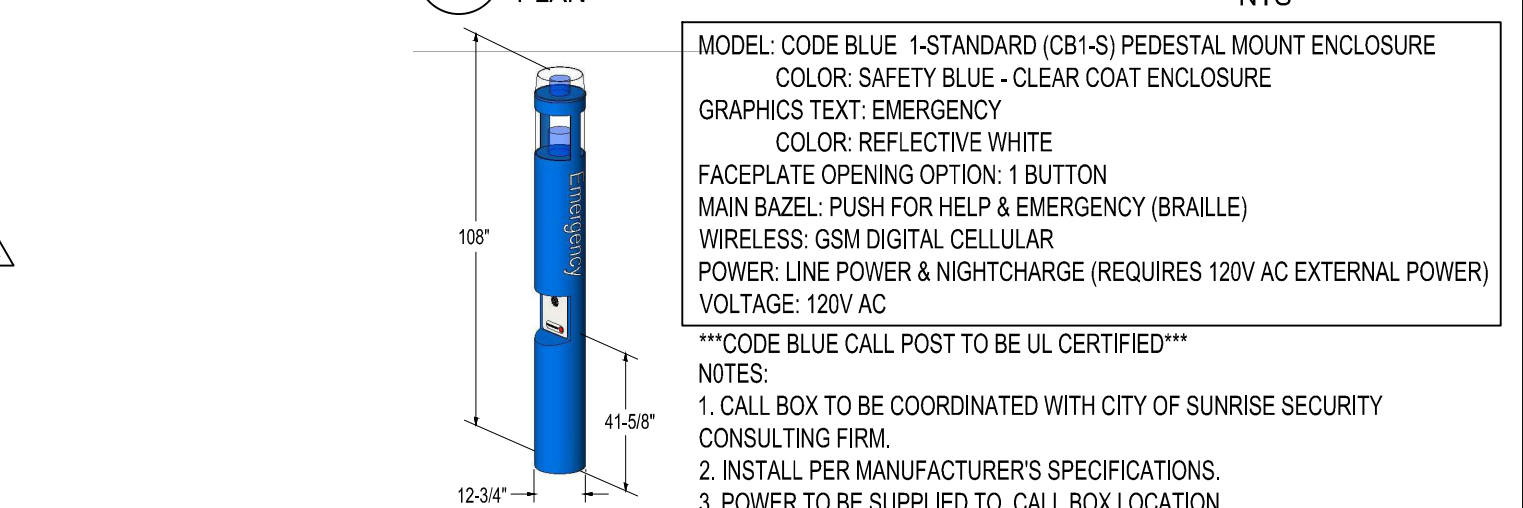
6 SQUARE TABLE



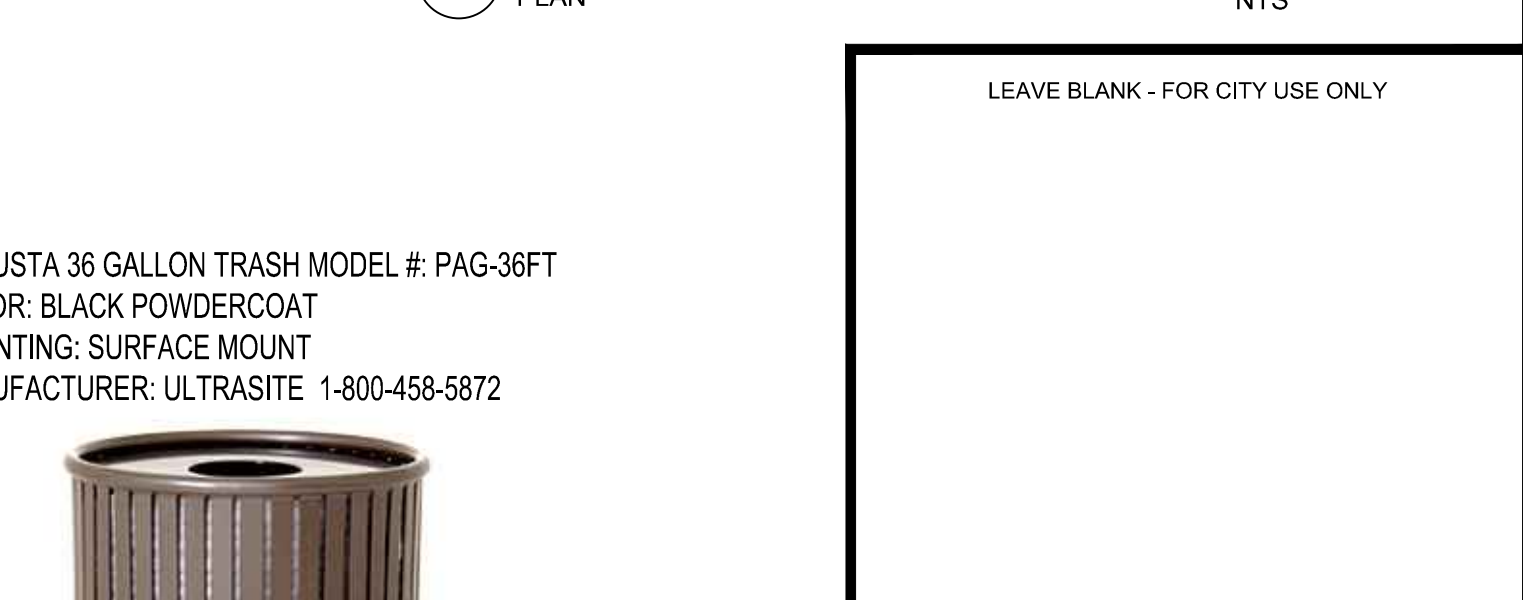
7 WOOD BOLLARD



8 PURPLE MARTIN BIRD HOUSE



9 CODE BLUE EMERGENCY CALL POST



AUGUSTA 36 GALLON TRASH MODEL #: PAG-36FT
 COLOR: BLACK POWDERCOAT
 MOUNTING: SURFACE MOUNT
 MANUFACTURER: ULTRASITE 1-800-458-5872



5 TRASH RECEPTACLE PLAN NTS

DATE:	
SCALE:	
DESIGNED BY:	DJS
DRAWN BY:	DJS
CHECKED BY:	DJS
APPROVED BY:	JDH

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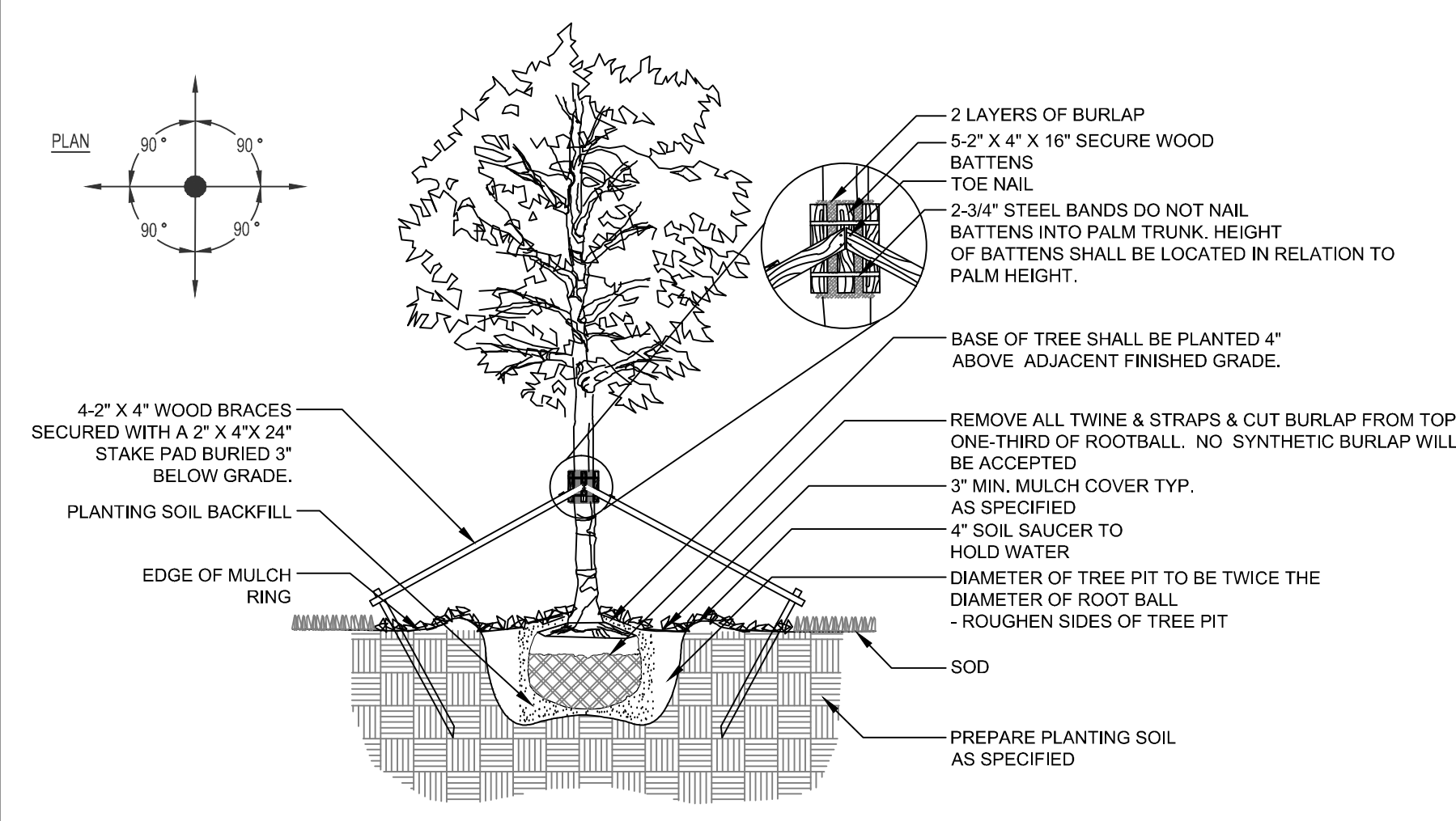
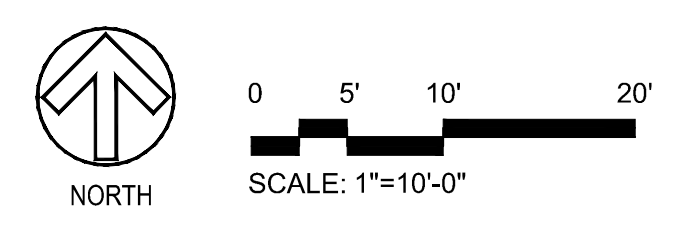
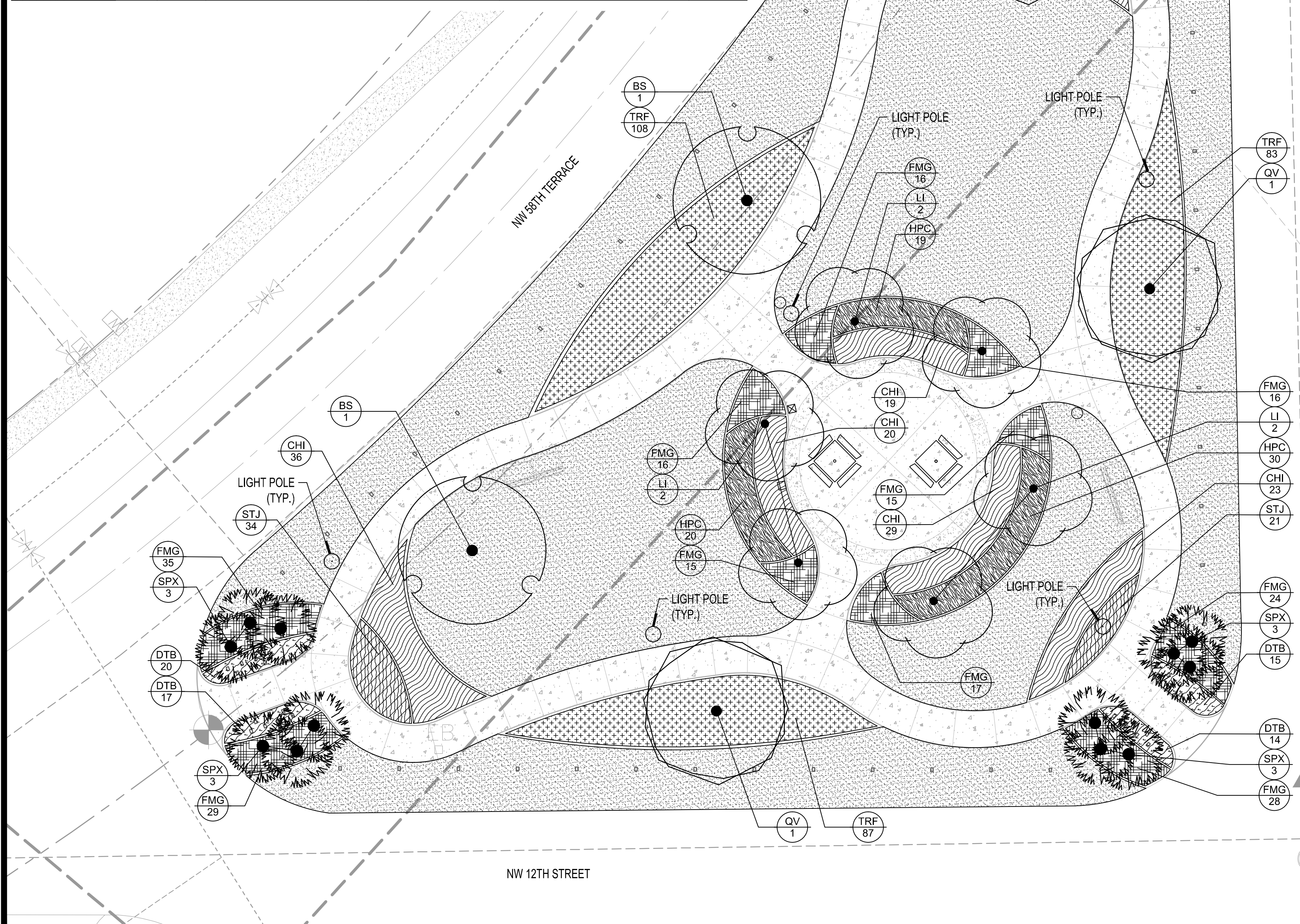
12TH STREET PARK RENOVATIONS
 LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
 PREPARED FOR: CITY OF SUNRISE, FLORIDA

SITE PLAN

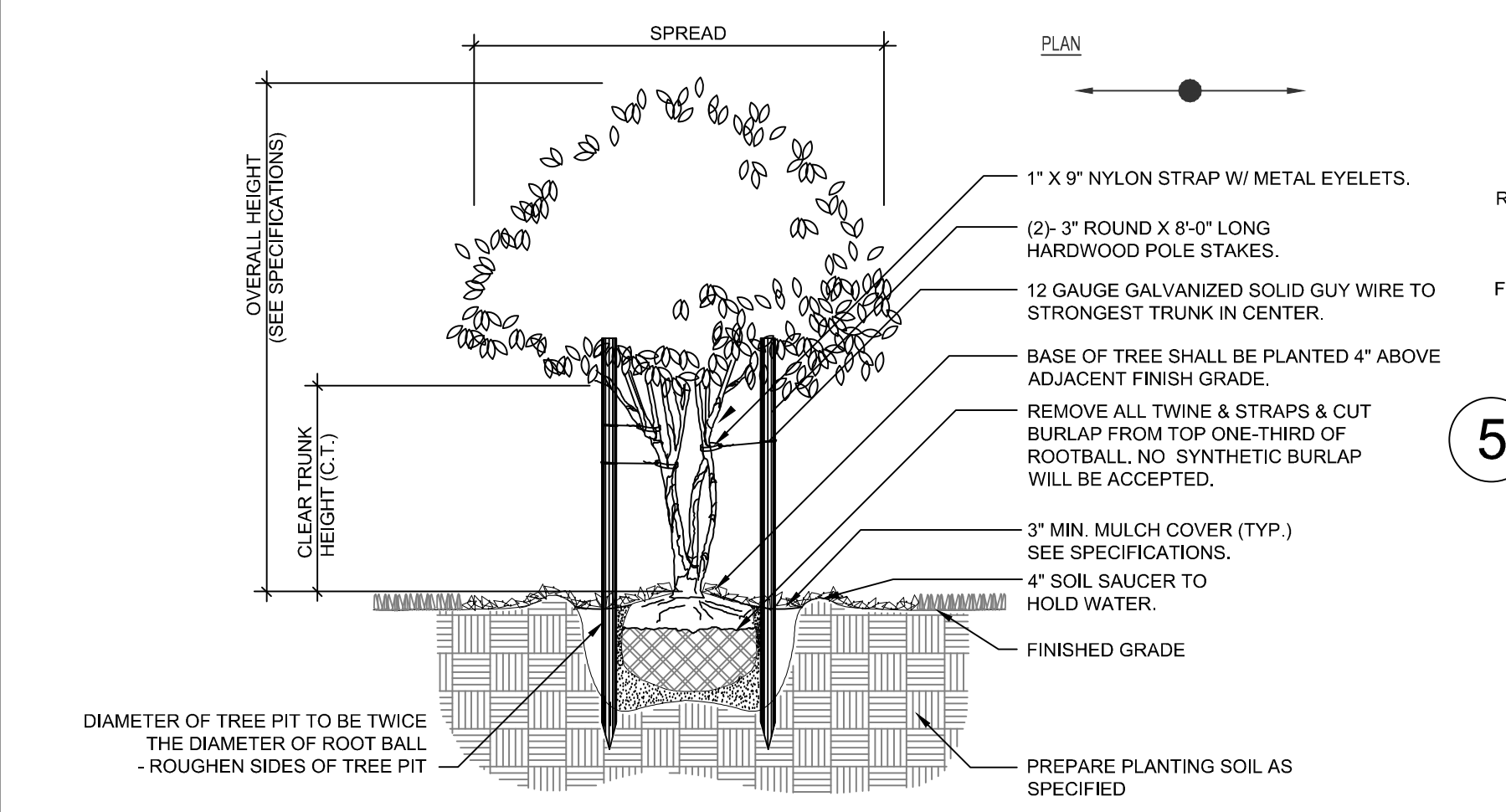
SEAL	DATE:
	07/06/16
Douglas James Schultz Florida RLA No. LA 6666937	DRAWING NO.
PROJECT #:	SP-1
15-0108	

PLANT SCHEDULE

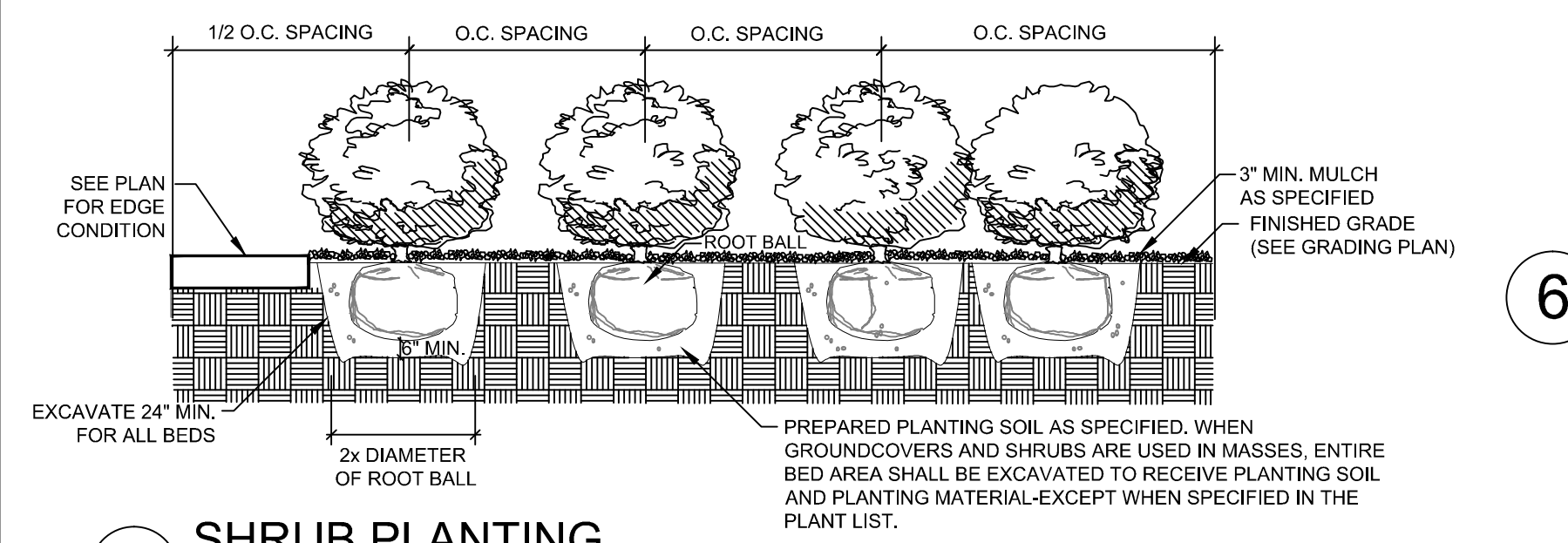
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	
	BS	2	Bursera Simaruba	Gumbo Limbo	3" Cal, 14' Ht. x 6' Spread	
	LI	6	Lagerstroemia indica	Crape Myrtle	2.5" cal, 12' ht. x 6' spread, multi trunk	
	QV	3	Quercus virginiana 'Highrise'	Highrise Live Oak	3" Cal, 14' Ht. x 6' Spread	
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	
	SPX	18	Sabal palmetto	Sabal Palm	12" DBH, 12-15' OA HT-STAGGERED	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING
	CHI	182	Chrysobalanus icaco 'horizontal'	Horizontal Cocoplum	18" HT X 18" SPRD.	24" o.c.
	DTB	111	Dianella tasmanica 'Blushy'	Variegated Flax Lily	12" HT. X 12" SPRD.	18" o.c.
	FMG	279	Ficus microcarpa 'Green Island'	Green Island Ficus	12" HT. X 12" SPRD.	18" o.c.
	HPC	69	Hamelia patens 'Compacta'	Dwarf Scarlet Bush	18" HT X 18" SPRD.	24" o.c.
	STJ	120	Stachytarpheta jamaicensis	Native Porter	12" HT. X 12" SPRD.	18" o.c.
	TRF	278	Tripsacum floridanum	Dwarf Fakahatchee Grass	18" HT X 18" SPRD.	24" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING
	SOD	6,724 sf	Stenotaphrum secundatum	St. Augustine Grass	sod	



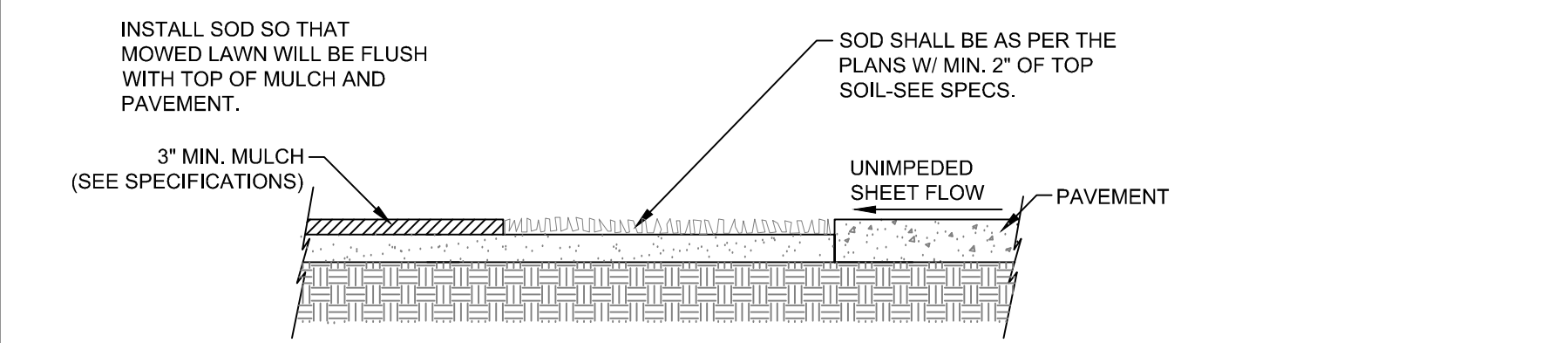
1 CANOPY TREE SECTION NTS



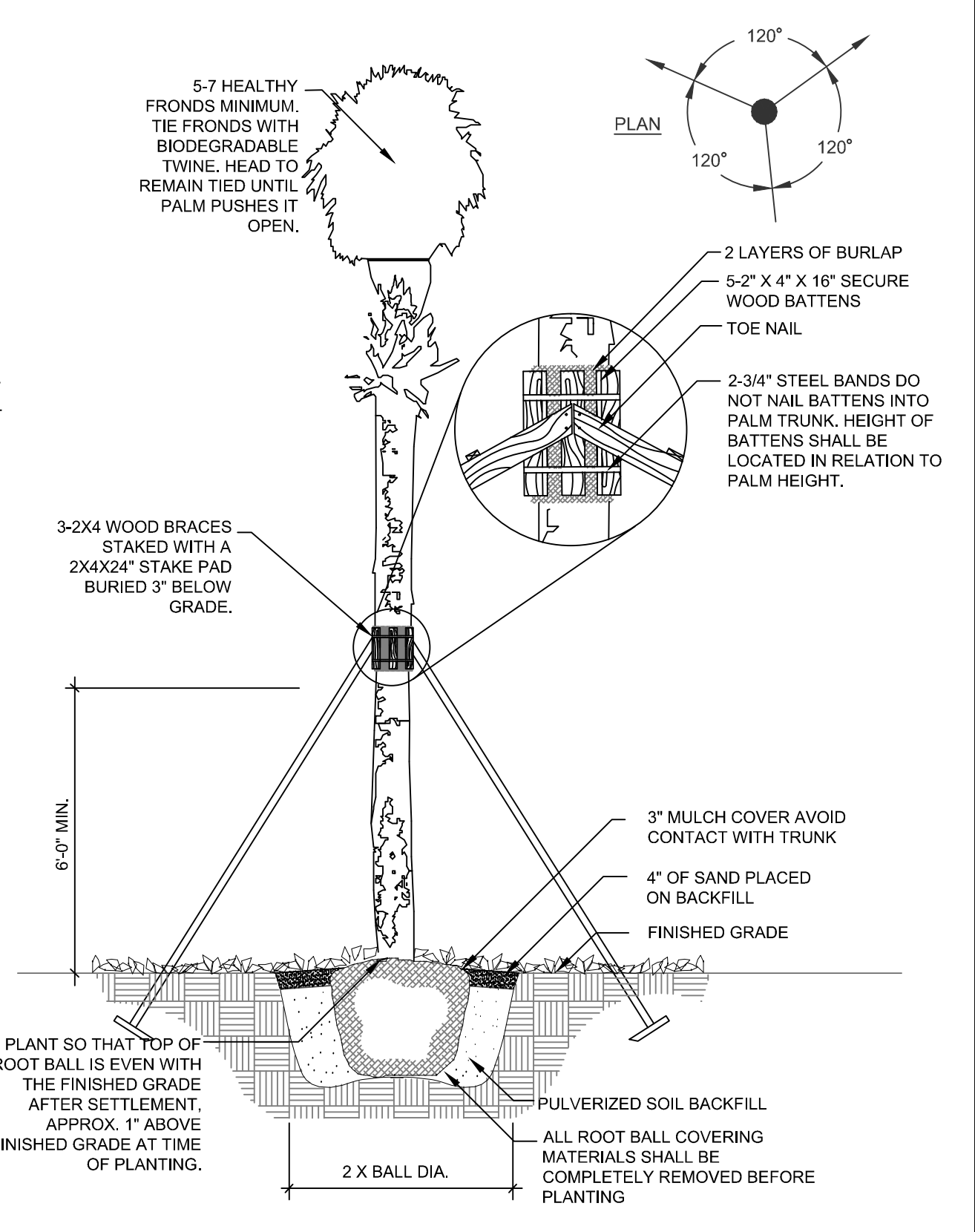
2 MULTI-TRUNK TREE SECTION NTS



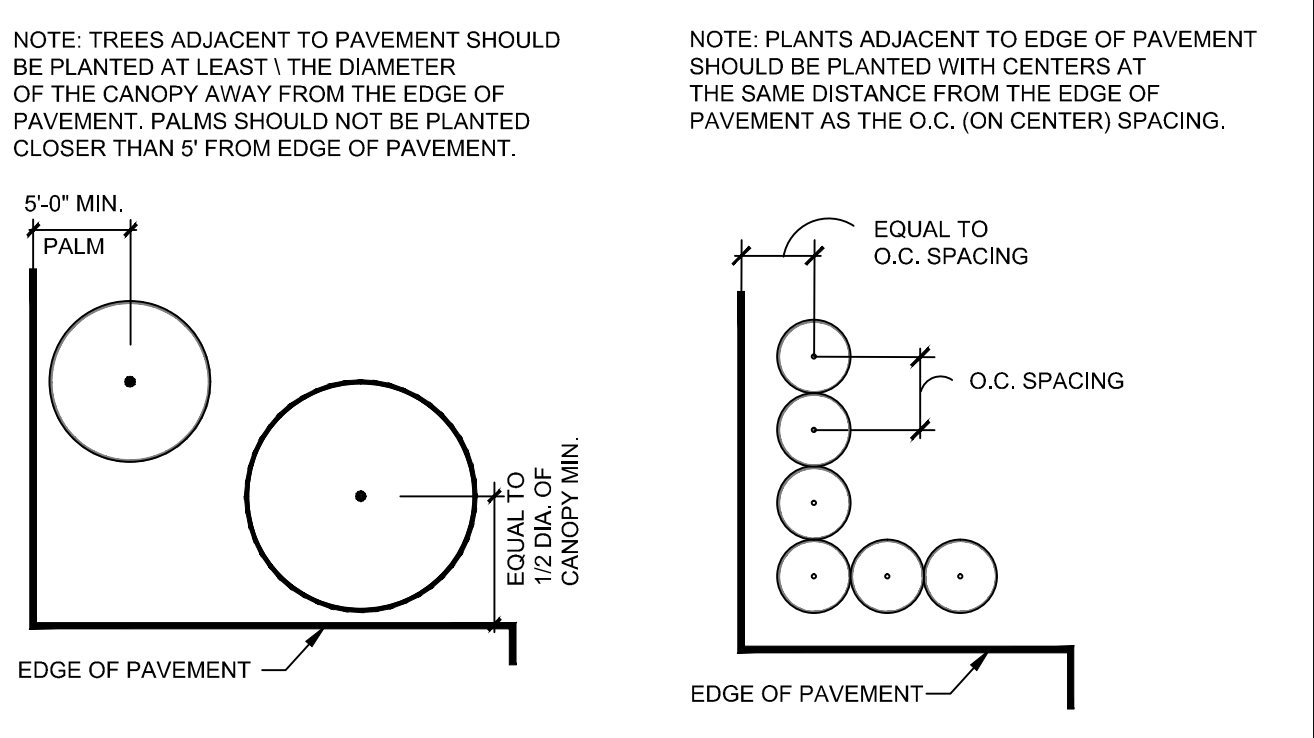
3 SHRUB PLANTING SECTION NTS



4 SOD INSTALLATION SECTION NTS



5 SABAL PALM SECTION NTS



6 PLANTING ADJACENT TO EDGE OF PAVEMENT SECTION NTS

DATE:	
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12TH STREET PARK RENOVATIONS
 LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
 PREPARED FOR: CITY OF SUNRISE, FLORIDA

LANDSCAPE PLAN

SEAL	DATE:
Douglas James Schultz	07/06/16
Florida RLA No. LA 6666937	DRAWING NO.
PROJECT #:	LA-1
15-0108	

GENERAL NOTES

1. THE LOCATION OF PLANT MATERIAL AS SHOWN ON THESE PLANS IS FINAL. THE FINAL LOCATIONS CAN BE ADJUSTED ON SITE TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. THESE CHANGES MUST COMPLY WITH ALL SAFETY SETBACK CRITERIA AND BE DIRECTED OR APPROVED BY THE LANDSCAPE ARCHITECT AND THE CITY OF SUNRISE.
2. REPORT ANY AND ALL DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
4. BEFORE CONSTRUCTION BEGINS THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING CONSTRUCTION. IF SUCH DAMAGE OCCURS THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY REPAIRS AND THEY SHOULD BE MADE IMMEDIATELY AT THE CONTRACTORS EXPENSE WITH SUPERVISION OF THE LANDSCAPE ARCHITECT.
5. ALL MUST COMPLY WITH THE FLORIDA STATE STATUTE 553.81- "PROTECTION OF UNDERGROUND PIPELINES."
6. THE CONTRACTOR MUST COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
7. THE LOCATION OF ALL THE UTILITIES SHOWN ON THE PLAN IS APPROXIMATE. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR ON SITE. ALL PLANTING MAY BE ADJUSTED TO AVOID CONFLICTS WITH UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ANY ADJUSTMENTS GREATER THAN 10 FEET SHALL BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT.
8. CAUTION SHOULD BE EXERCISED WHEN WORKING NEAR EXISTING PLANTING AND ANY FURNISHING THAT IS TO REMAIN ON SITE TO PREVENT ANY DAMAGE. ANY SIGNS, STRUCTURES, OR PLANTING SHALL BE REPLACED AT THE CONTRACTORS EXPENSE IF DAMAGED BEYOND USE. DAMAGED BEYOND USE WILL BE DETERMINED BY THE LANDSCAPE ARCHITECT.
9. ANY MAINTENANCE THAT INVOLVES TRAFFIC ACTIVITY SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND ONGOING CONSTRUCTION ACTIVITIES.
10. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL WORK AREAS AT THE END OF EACH WORKING DAY. ANY DEBRIS SHALL BE COLLECTED AND DEPOSITED APPROPRIATELY OFF SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE LANDSCAPE ARCHITECT.
11. TREE REMOVAL PERMITS ARE REQUIRED FOR TREE REMOVALS EXCEPT IN THE CASE OF THOSE TREES ON THE EXOTIC SPECIES LIST OR TREES DEEMED TO BE PUBLIC NUISANCES.
12. AN IRRIGATION PLAN AND SPECIFICATIONS FOR THE SYSTEM MUST BE INCLUDED WITH THE LANDSCAPE PLANS WHEN SUBMITTING FOR PERMIT. THE IRRIGATION SYSTEM SHALL BE DESIGNED TO HAVE A MINIMUM OF 150% COVERAGE. THE SYSTEM MUST INCLUDE A RAIN SENSOR.
13. THE CONTRACTOR IS RESPONSIBLE FOR PULLING ALL PERMITS THAT ARE REQUIRED BY THE CITY FOR TREE REMOVAL, RELOCATION, OR TREE PROTECTION BEFORE BEGINNING WORK.
14. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY INSTALLING PROTECTIVE BARRIERS AROUND THE DRIP LINE OF TREES. THESE PROTECTIVE BARRIERS SHALL BE SEEN EASILY BY OPERATORS OF TRUCKS AND OTHER EQUIPMENT. THEY SHALL BE CONSTRUCTED OF STURDY MATERIALS (NOT FLAGGING OR RIBBON) AND SHALL BE INSTALLED PRIOR TO AND DURING CONSTRUCTION AND/OR LAND DEVELOPMENT.
15. DO NOT STORE OR USE ANY MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF ANY TREE THAT IS TO BE RELOCATED OR PROTECTED IN PLACE UNLESS THE ACTIVITY IS BEING DONE TO PROTECT THE TREES.
16. DO NOT DISCHARGE OR CONTAMINATE THE SOIL WITHIN THE DRIP LINE OF ANY OF THE TREES TO BE RELOCATED OR PROTECTED IN PLACE. THIS INCLUDES SUBSTANCES SUCH AS PAINT, OIL, SOLVENTS, PETROLEUM PRODUCTS, ASPHALT, CONCRETE, MORTAR, OR ANY OTHER MATERIAL THAT MAY CAUSE DAMAGE TO THE TREE'S ROOT SYSTEM.
17. CLEARING OF VEGETATION WITHIN THE DRIP LINE OF THE TREES DESIGNATED TO BE PROTECTED IN PLACE OR RELOCATED SHALL BE PERFORMED CAUTIOUSLY WITH HAND TOOLS TO MINIMIZE ANY DAMAGE TO THE TREE'S ROOT SYSTEM.
18. DO NOT ATTACH ANYTHING TO TREES THAT ARE TO REMAIN ON THE SITE UNLESS IT IS SOMETHING THAT WILL PROTECT AND NOT DAMAGE THE TREE.
19. KEEP A NATURAL GRADE ABOVE THE DRIP LINE ON ANY TREE THAT IS TO BE PROTECTED IN PLACE OR ANY PRESERVED TREES DISTURBED DURING CONSTRUCTION MUST BE RETURNED TO ITS ORIGINAL GRADE AFTER CONSTRUCTION.
20. ALL TREES ADJACENT TO F&L POWER LINES ARE REQUIRED TO COMPLY WITH THE F&L RIGHT TREE RIGHT PLACE GUIDELINES.

SOIL PREPARATION, SOIL, FERTILIZER, AND MUCH NOTES:

1. ENSURE THAT ALL PLANTING SOIL IS FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS AND STONES LARGER THAN ONE INCH IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. SHOULD ANY SOIL AMENDMENT BE NECESSARY, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
2. APPLY APPROVED HERBICIDE - ACCORDING TO MANUFACTURERS RATE AND SPECS WITHIN LIMITS OF ALL AREAS TO BE PLANTED. PROTECT EXISTING PLANTS TO REMAIN FROM OVER SPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION. ANY PESTICIDES MUST BE APPLIED BY A LICENSED PEST CONTROL OPERATOR.
3. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES.
4. PLANTING MIX FOR TREES, SHRUBS, AND GROUND COVERS SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:
 - A. 20% TOPSOIL
 - B. 10% PEAT OR COMPOST
 - C. 70% SAND
5. PLANTING MIX FOR BACKFILL AROUND ROOT BALLS OF PALMS:
 - A. 90% NATIVE SAND FROM ON SITE OR APPROVED SUBSTITUTE
 - B. 10% TOPSOIL
6. FERTILIZE ALL TREES, SHRUBS AND GROUND COVER WITH PLANTING TABLETS 20-10-5 FORMULA, 21 GRAM OR APPROVED ORGANIC EQUAL.
7. ALL SHRUB BEDS SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 24" AND BACK FILLED WITH THE SPECIFIED MIXTURE.
8. SMOOTH ALL PREPARED TOPSOIL TO 3" EXCEPT WITHIN DRIP LINES OF EXISTING TREES AND 4" BELOW TOP OF SURROUNDING PAVING EDGES. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1" IN DIAMETER.
9. FINISH GRADE ALL PREPARED TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE ASSURING POSITIVE DRAINAGE AWAY FROM THE STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.
10. TOPSOIL SHALL NOT BE EXTREMELY ACIDIC OR ALKALINE, NOR CONTAIN ANY TOXIC SUBSTANCE WHICH MAY BE HARMFUL TO PLANT GROWTH. THE PH SHALL BE IN THE RANGE OF 5.5-6.5.
11. CONTRACTOR SHALL MULCH ALL PLANTING MATERIAL THROUGHOUT AND COMPLETELY TO A 3 INCH DEPTH WITH CLEAN, NATURAL, NON-RED, WEED FREE FLORA MULCH.

LANDSCAPE NOTES

1. ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED SHALL BE FLORIDA NO. 1 GRADE OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS," PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANT MATERIAL MUST BE HEALTHY, VIGOROUS MATERIALS, FREE OF PESTS AND DISEASES.
2. ALL LANDSCAPE PLANT MATERIALS, INSTALLATION, MAINTENANCE AND PRESERVATION SHALL BE IN ACCORDANCE WITH THE CITY OF SUNRISE CODE OF ORDINANCES.
3. LANDSCAPE ORDINANCE SPECIFICATIONS ON IRRIGATION AND INSTALLATIONS SUPERSEDE ANY NOTES ON THE PLAN.
4. ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN OR SPECS WILL ALSO BE REQUIRED FOR ACCEPTANCE. ANY SUBSTITUTIONS MUST BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTING MEETING SPECIFICATIONS AS NOTED BEFORE INSTALLATION. CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANTING THAT DOES NOT MEET SPECIFICATIONS AND BE HELD RESPONSIBLE TO REPLACE IT WITH APPROPRIATE PLANTING.
6. IN THE EVENT OF A VARIATION BETWEEN THE PLANT LISTS AND THE ACTUAL QUANTITY OF PLANTS SHOWN, THE PLANS HOLD TRUE.
7. ALL ROOTBALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH.
8. TREES ARE TO BE PLANTED AT A DEPTH SO THAT THE ROOT-FLARE AND TOP OF THE FIRST ORDER ROOT(S) ARE FULLY VISIBLE
9. CONTRACTOR TO SUBMIT TO THE LANDSCAPE ARCHITECT THE GROWERS AND/OR SITE INSPECTION CERTIFICATE FOR PLANT MATERIALS TWO (2) WEEKS PRIOR TO COMMENCEMENT OF WORK.
10. ALL PLANT MATERIALS MUST BE PROTECTED DURING TRANSPORT AND DELIVERY TO THE JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.
11. CONTRACTORS SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS.
12. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT.
13. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.
14. CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR (1) FULL YEAR FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
15. CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE WEEK OF NOTICE.
16. CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER AND LANDSCAPE ARCHITECT SHALL DECLARE SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF THE GUARANTEE PERIOD.
17. INSTALLATION- ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND WORKMANLIKE MANNER AND ACCORDING TO GOOD PLANTING PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
18. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING ALL TREES AND LANDSCAPE UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF PLANTS DUE TO INADEQUATE WATERING OR POOR DRAINAGE CONDITIONS.
19. TYPICALLY, SHRUB AND GROUND COVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHOULD BE PLACED ON A TRIANGULAR SPACING SHOWN IN THE PLANTING DETAILS. PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST.
20. TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY BEFORE PLANTING.
21. BALLED AND BURLAPPED MATERIAL SHALL HAVE THE TOP ONE HALF (1/2) OF THE BURLAP AROUND THE BASE OF THE TRUNK CUT AND PULLED BACK. DO NOT REMOVE THE BURLAP BUT WIRE CAGES, STRAPS, ETC. MUST BE CUT AND REMOVED COMPLETELY BEFORE INSTALLATION.
22. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES, AND ANY OTHER MATERIALS FROM THE LANDSCAPE ARCHITECT FOR COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
23. "BRANCH TOUCHING BRANCH" PROVIDED AT TIME OF INSTALLATION. ALL HEDGES TO BE MIN. 24" AT PLANTING AND 36" HIGH WITHIN ONE YEAR.
24. ALL STAKING AND GUYING MATERIAL MUST BE REMOVED WITHIN ONE YEAR FOR FINAL AND NO CHANGES WITHOUT THE CLIENTS APPROVAL. IT IS THE RESPONSIBILITY OF THE OWNER TO REMOVE.
25. THE FOLLOWING GUIDELINES SHALL BE FOLLOWED TO ENSURE SUCCESSFUL TRANSPLANTING OF TREES:
 - a. ANY TREE BEING RELOCATED SHALL NOT BE UNNECESSARILY DAMAGED DURING REMOVAL, TRANSPORT, OR REPLANTING OF THAT TREE.
 - b. DURING AND FOLLOWING TRANSPLANTING THE ROOT BALL MUST BE KEPT MOIST AT ALL TIMES.
 - c. TRANSPLANTED TREES SHALL BE BRACED AT LEAST ONE FULL YEAR.
 - d. TRANSPLANTED TREES SHALL NOT BE FERTILIZED AT PLANTING TIME BUT SHALL BE WATERED SUFFICIENTLY UNTIL THE TREE GROWTH IS REESTABLISHED.
 - e. RELOCATED TREES/PALMS WILL BE MOVED IN ACCORDANCE WITH MINIMUM STANDARDS SET FORTH IN ANSI A-300
 - f. ALL CROWN PRUNING SHALL BE DONE IN ACCORDANCE WITH NATIONAL ARBORIST ASSOCIATION STANDARDS OR PALM PRUNING IN ACCORDANCE WITH CITY STANDARDS.
 - g. TREES MAY ONLY BE RELOCATED ONE TIME FROM EXISTING AREA TO FINAL SITE. NO NURSERY OR HOLDING AREAS.
26. LANDSCAPE CONTRACTOR SHALL REGRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION OR INSTALLATION.
27. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LAWN AREAS DAMAGED WHILE COMPLETING PLANTING INSTALLATION WITH SAME GRASS SPECIES TO THE SATISFACTION OF THE PROJECT MANAGER.
28. GENERAL GRADING TO APPROX. 1 INCH SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. ALL FINISHED SITE GRADING AND FINAL DECORATIVE BERM SHAPING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR.
29. ALL LANDSCAPE MATERIALS SHALL BE MAINTAINED TO PROVIDE CONTINUOUS CLEAR ZONES FOR SIGHT VISIBILITY FOR PEDESTRIANS AND VEHICULAR TRAFFIC AND LANDSCAPE MAINTENANCE SHALL CONFORM TO STANDARD INDEX 546 CRITERIA SET FORTH IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS.

IRRIGATION NOTES

1. XERISCAPE PRINCIPLES HAVE BEEN APPLIED TO THIS LANDSCAPE PLAN AS SPECIFIED IN SFWMD'S XERISCAPE PLANT GUIDE II AND SHALL BE APPLIED ALL THROUGHOUT LANDSCAPE INSTALLATION AND MAINTENANCE.
2. EXCLUDING PLANTS ON DRIP IRRIGATION, A FULLY AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED TO SUPPLY 100% COVERAGE, AS PER CODE. 50% MINIMUM OVERLAP USING RUST-FREE WATER. AN APPROVED RAIN/ MOISTURE SENSOR DEVICE SHALL BE SUPPLIED.
3. REMOVE EXISTING IRRIGATION EQUIPMENT WHICH INTERFERES WITH ANY CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROLLERS, SPRINKLER HEADS, PIPE, QUICK COUPLERS, BACKFLOW PREVENTERS, CONTROL WIRE AND CONDUITS. ADDITIONALLY THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING SYSTEM THROUGHOUT THE CONSTRUCTION PROCESS.

DATE:					
SCALE:					
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APPROVED BY:	JDH				

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 ENGINEERS • PLANNERS • SURVEYORS
 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
 FAX: (954) 739-6409 TEL: (954) 739-6400
 FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000014
WE TAKE GREAT PRIDE IN BEING PART OF THE COMMUNITY AND PROVIDING THE BEST SERVICE TO OUR CLIENTS. WE ARE COMMITTED TO EXCELLENCE AND INTEGRITY.

**12TH STREET PARK
 RENOVATIONS**

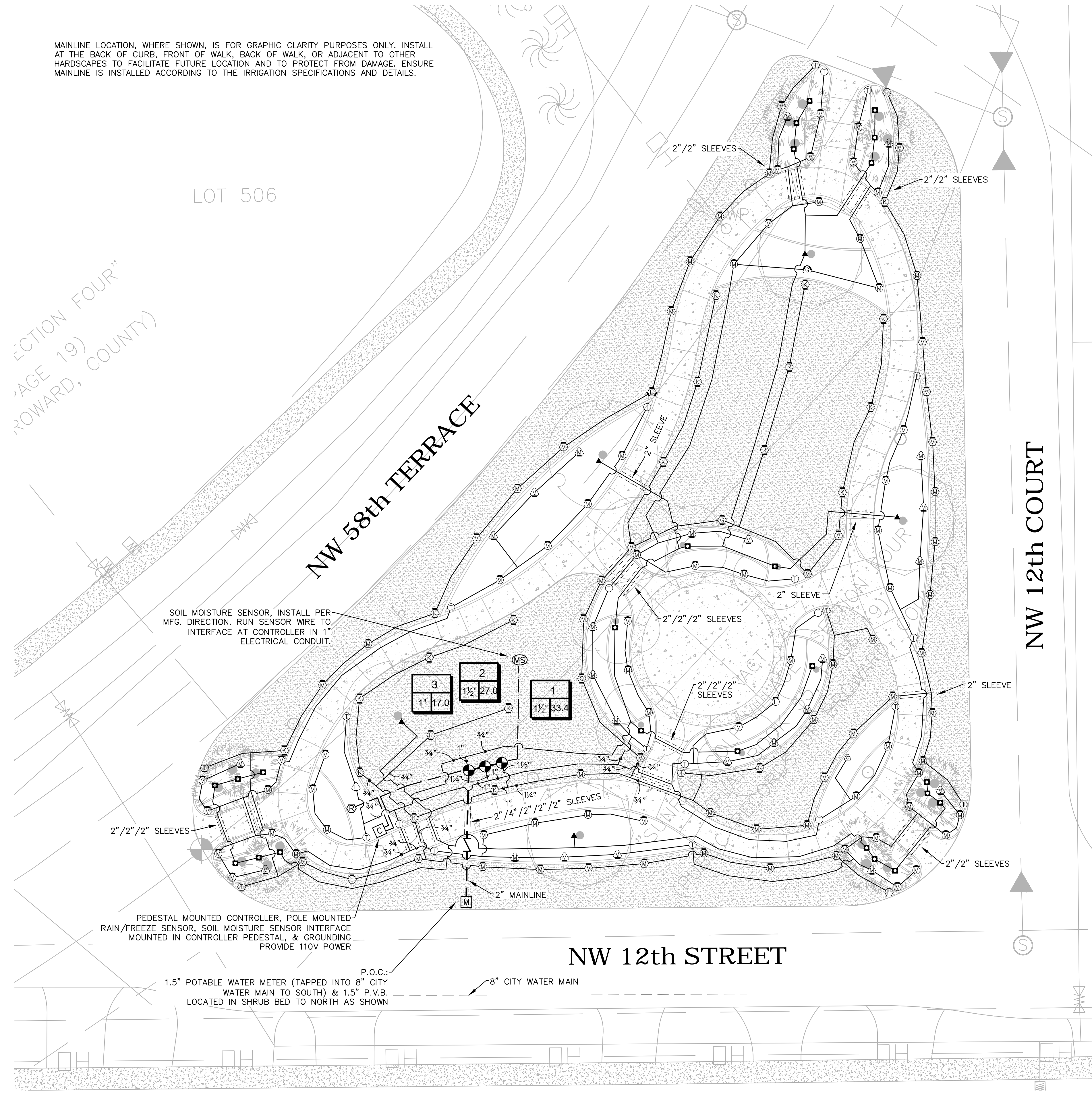
LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
 PREPARED FOR: CITY OF SUNRISE, FLORIDA

LANDSCAPE NOTES

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SEAL	DATE: 07/06/16
Douglas James Schultz Florida RLA No. LA 6666937	DRAWING NO. LA-2
PROJECT #: 15-0108	

MAINLINE LOCATION, WHERE SHOWN, IS FOR GRAPHIC CLARITY PURPOSES ONLY. INSTALL AT THE BACK OF CURB, FRONT OF WALK, BACK OF WALK, OR ADJACENT TO OTHER HARDSCAPES TO FACILITATE FUTURE LOCATION AND TO PROTECT FROM DAMAGE. ENSURE MAINLINE IS INSTALLED ACCORDING TO THE IRRIGATION SPECIFICATIONS AND DETAILS.



SECTION FOUR
PAGE 19
SUNRISE, FLORIDA

LOT 506

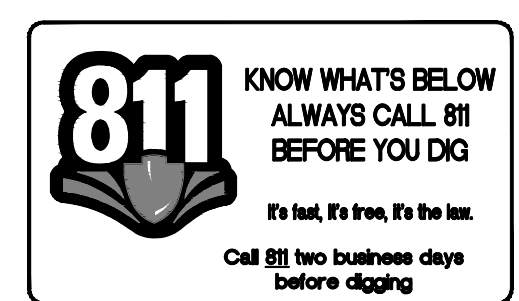
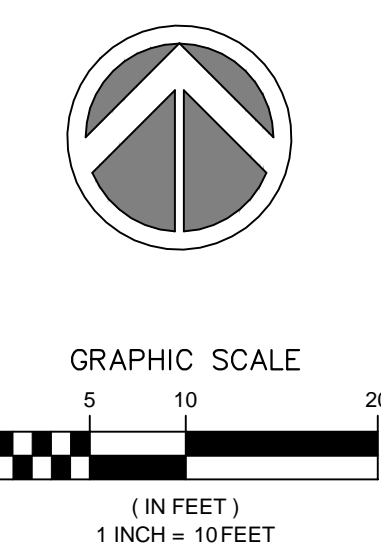
NW 58th TERRACE

NW 12th COURT

NW 12th STREET

IRRIGATION LEGEND			
QTY	SYM	DESCRIPTION	DET.
1	□	STATION NUMBER	
1 1/2	□	GALLONS PER MINUTE-CATALOG FLOW	
	□	VALVE SIZE	
1	M	LINE SIZE BY 2" TAP, MAXIMUM 20' OF 2" POLYETHYLENE SERVICE LINE AND A PROPOSED 1.5" POTABLE WATER METER (ALL BY OTHERS)	A1
1	▽	1.5" FEBCO 765 PRESSURE VACUUM BREAKER BACKFLOW ASSEMBLY	A2
3	●	TORO P220 SERIES RCV (SIZED PER PLAN) WITH A NIBCO T-113 GATE VALVE IN A CARSON 1220 JUMBO VALVE BOX WITH BOLT DOWN LID.	B1
1	C	RAIN BIRD LXMPED METAL PEDESTAL, LXMM METAL CABINET, ESP-LXME 8 STATION CONTROLLER, GROUNDING GRID, AND BASELINE WATERTEC S100 SOIL MOISTURE SENSOR INTERFACE MOUNTED IN CONTROLLER PEDESTAL	C1
1	R	POLE MOUNTED HUNTER RAIN FREEZE CLIK SENSOR MODEL #RFC	C2
1	MS	BASELINE WATERTEC S100 SOIL MOISTURE SENSOR bISENSOR INSTALLED ON SITE PER MANUFACTURER'S RECOMMENDATIONS. COMMUNICATION WIRE TO BE CONNECTED TO SMS INTERFACE AT CONTROLLER VIA 1" CONDUIT	C3
		CLASS 200 PVC LATERAL LINE W/ SCH 40 SOLVENT WELD PVC FITTINGS (SIZE PER PLAN, MINIMUM PIPE SIZE SHALL BE 3/4", NO 1/2" PIPES PERMITTED)	L
		2" SCHEDULE 40 SOLVENT-WELD PVC MAINLINE W/SCH 40 SOLVENT-WELD PVC FITTINGS	L
		SCH 40 GRAY PVC CONDUITS W/SCH 40 SOLVENT-WELD PVC FITTINGS (1" FROM SMS TO CONTROLLER, 1" FROM RAIN SENSOR TO CONTROLLER, AND 1.5" FROM VALVES TO CONTROLLER)	L
		CLASS 200 PVC SLEEVES W/SCH 40 SOLVENT-WELD PVC FITTINGS (SIZE PER PLAN)	O
QUANTITIES GIVEN ARE FOR CONTRACTOR CONVENIENCE ONLY. THE ACCURACY IS NOT GUARANTEED. ALL QUANTITIES SHALL BE VERIFIED.			
*DET (ON THE LEGEND) - THE LETTER IN THIS COLUMN DENOTES THE CORRESPONDING DETAIL SHOWN ON THE DETAIL SHEET.			

IRRIGATION HEAD LEGEND				
SYMBOL	QUANTITY	DESCRIPTION	DETAIL	DESIGN
□	24	TORO FB50PC FLOOD BUBBLER ON SHRUB ADAPTER ON POLY PIPE	Q	30 0.50
▲	5	EACH SYMBOL DENOTES TWO (2) TORO FB50PC FLOOD BUBBLERS ON SHRUB ADAPTERS ON POLY PIPE	Q	30 1.00
⊖	8	TORO 570Z-6P PRX COM W/ HUNTER MPCORNER HT NOZZLE ADJ ARC 0-90	R	30 VAR
⊖	18	TORO 570Z-12P PRX COM W/ HUNTER MPCORNER HT NOZZLE ADJ ARC 0-90	S	30 VAR
⊖	46	TORO 570Z-6P PRX COM W/ HUNTER MP1000 HT NOZZLE MAROON ADJ ARC 90-210	R	30 VAR
⊖	52	TORO 570Z-12P PRX COM W/ HUNTER MP1000 HT NOZZLE MAROON ADJ ARC 90-210	S	30 VAR
⊖	1	TORO 570Z-12P PRX COM W/ HUNTER MP1000 HT NOZZLE LIGHT BLUE ADJ ARC 210-270	S	30 VAR
⊖	24	TORO 570Z-12P PRX COM W/ HUNTER MP1000 HT NOZZLE MAROON ADJ ARC 90-210 ON SCH 40 RISER	T	30 VAR
⊖	1	TORO 570Z-12P PRX COM W/ HUNTER MP1000 HT NOZZLE LIGHT BLUE ADJ ARC 210-270 ON SCH 40 RISER	T	30 VAR
⊖	16	TORO 570Z-6P PRX COM W/ HUNTER MP2000 HT NOZZLE BLACK ADJ ARC 90-210	R	30 VAR
⊖	3	TORO 570Z-6P PRX COM W/ HUNTER MP2000 HT NOZZLE GREEN ADJ ARC 210-270	R	30 VAR
⊖	4	TORO 570Z-6P PRX COM W/ HUNTER MP2000 HT NOZZLE RED ARC 360	R	30 1.27
⊖	1	TORO 570Z-12P PRX COM W/ HUNTER MP2000 HT NOZZLE GREEN ADJ ARC 210-270 ON SCH 40 RISER	T	30 VAR
⊖	1	TORO 570Z-6P PRX COM W/ HUNTER MP3000 HT NOZZLE BLUE ADJ ARC 90-210	R	30 VAR
⊖	1	TORO 570Z-12P PRX COM W/ HUNTER MPSTRIP HT NOZZLE SST ON SCH 40 RISER	T	30 VAR



Masuen Consulting LLC
Water Resource Consultants
32801 Hwy 441 North, #293
Okeechobee, FL 34951
Telephone (866) 928-1533
Fax (800) 928-1534
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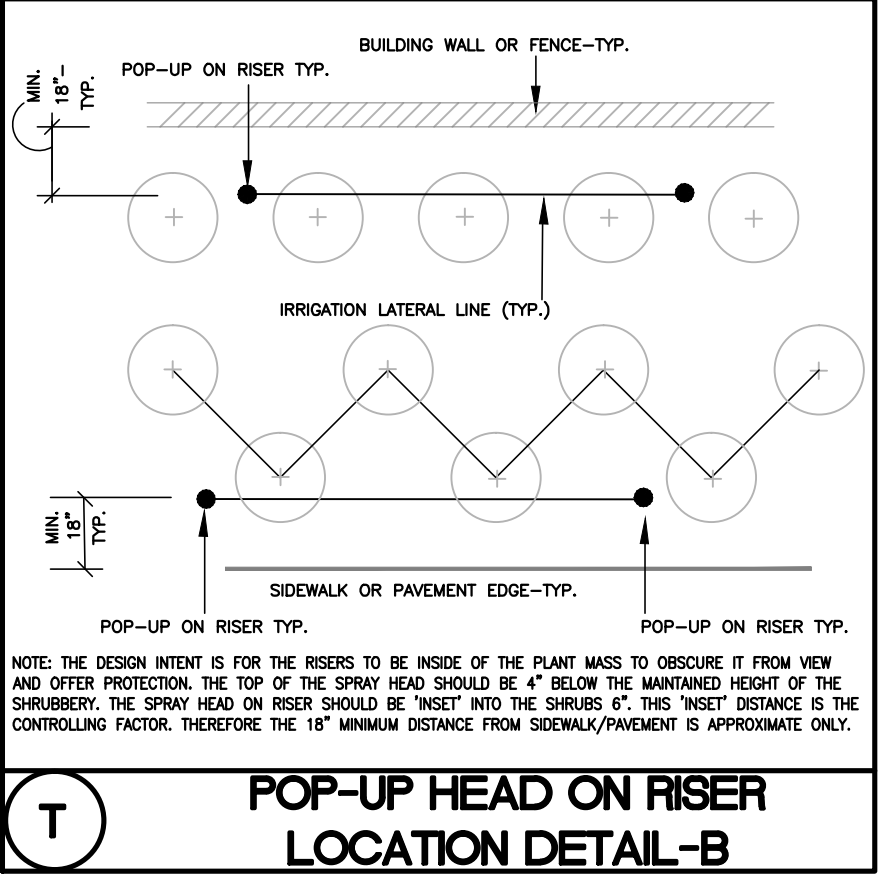
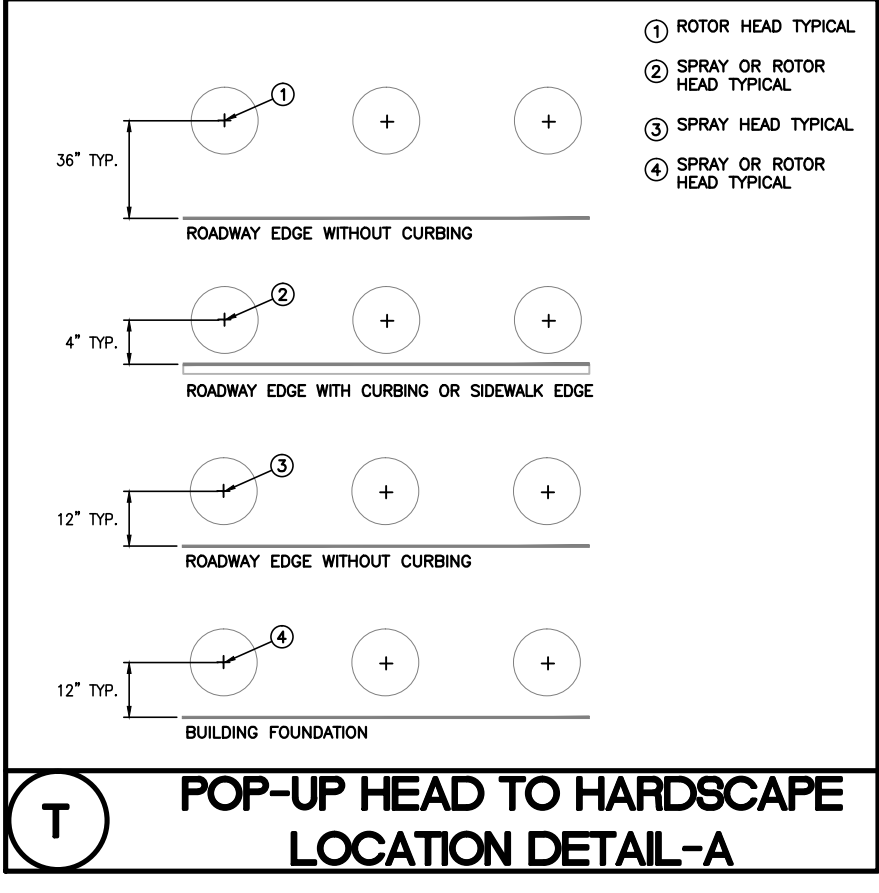
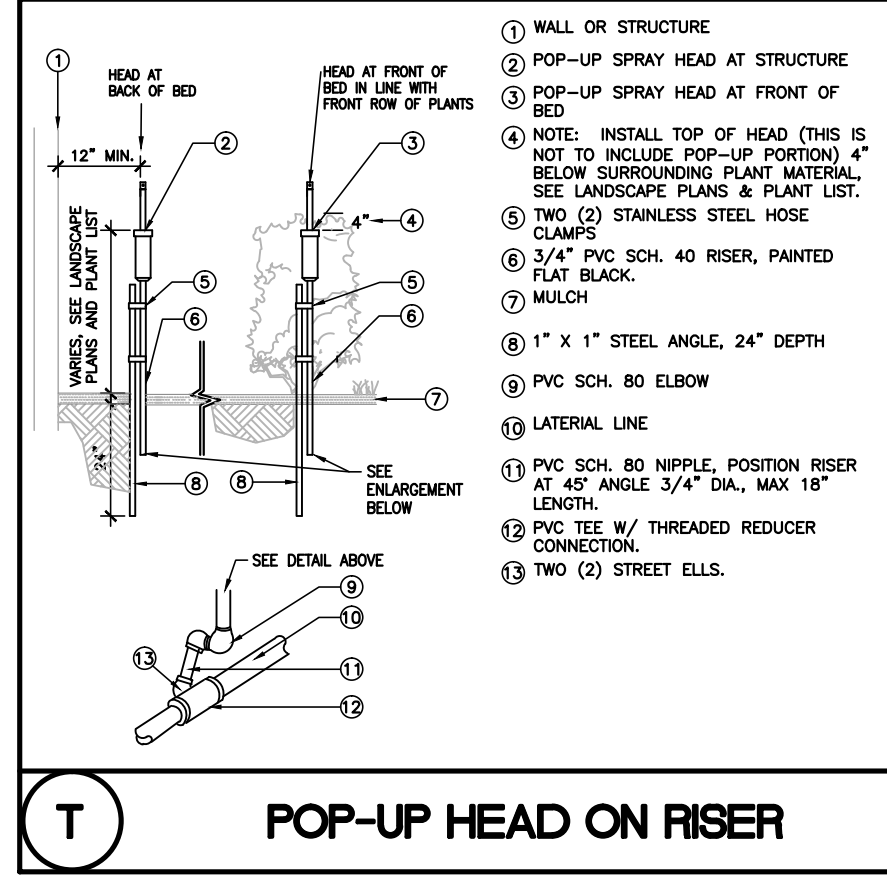
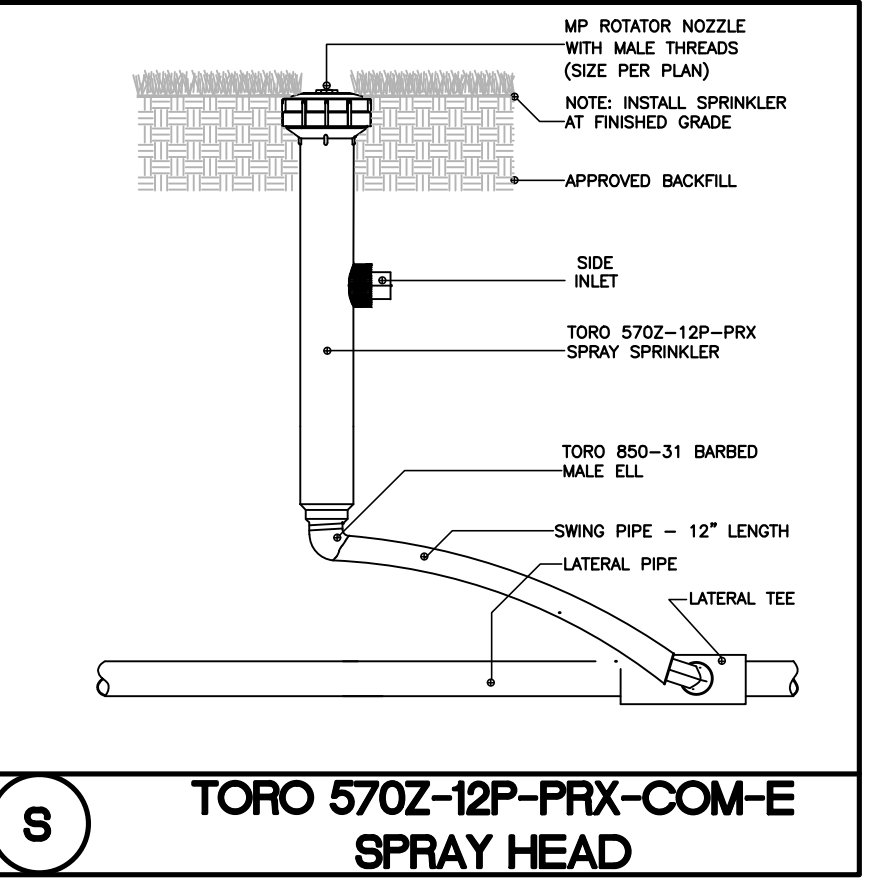
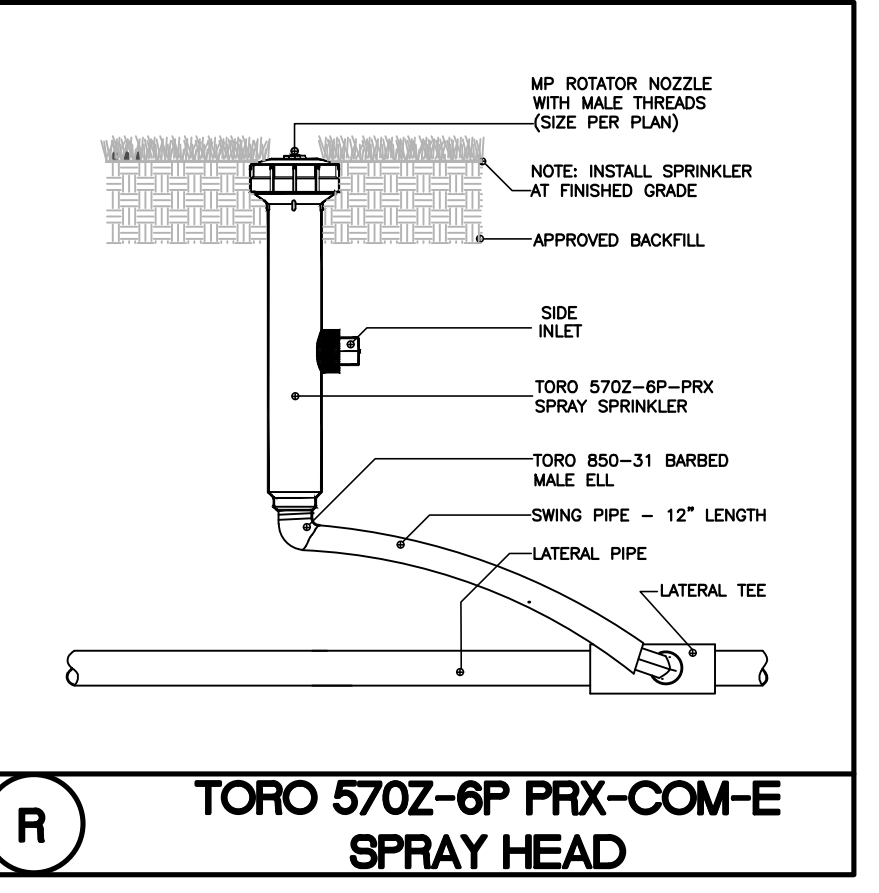
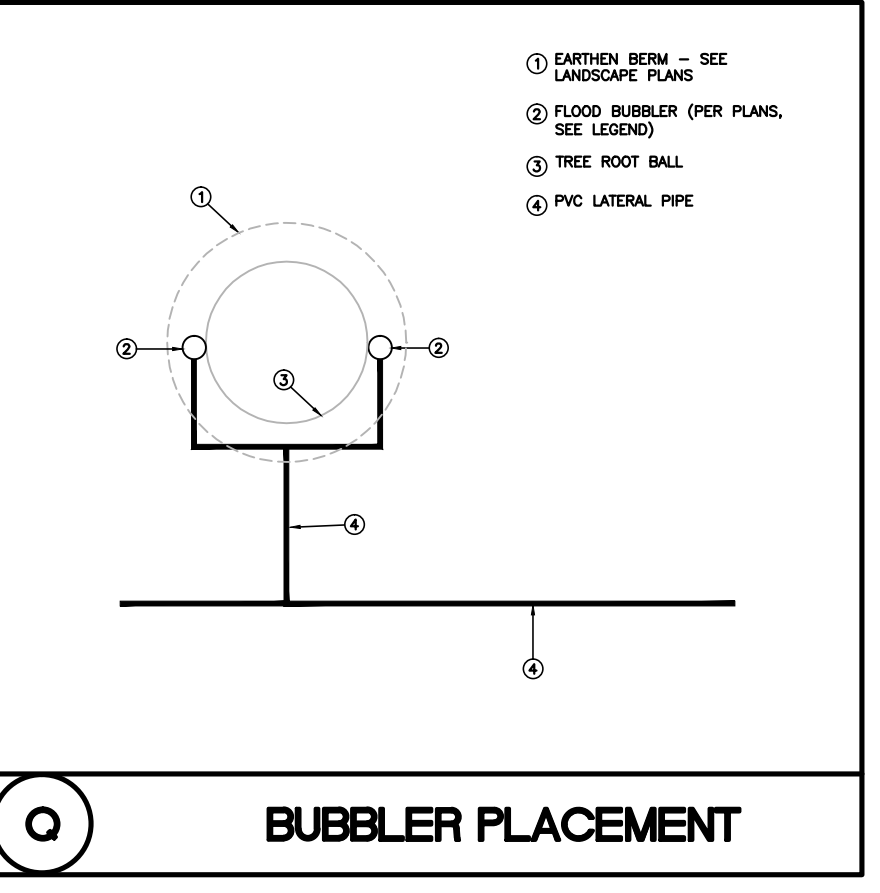
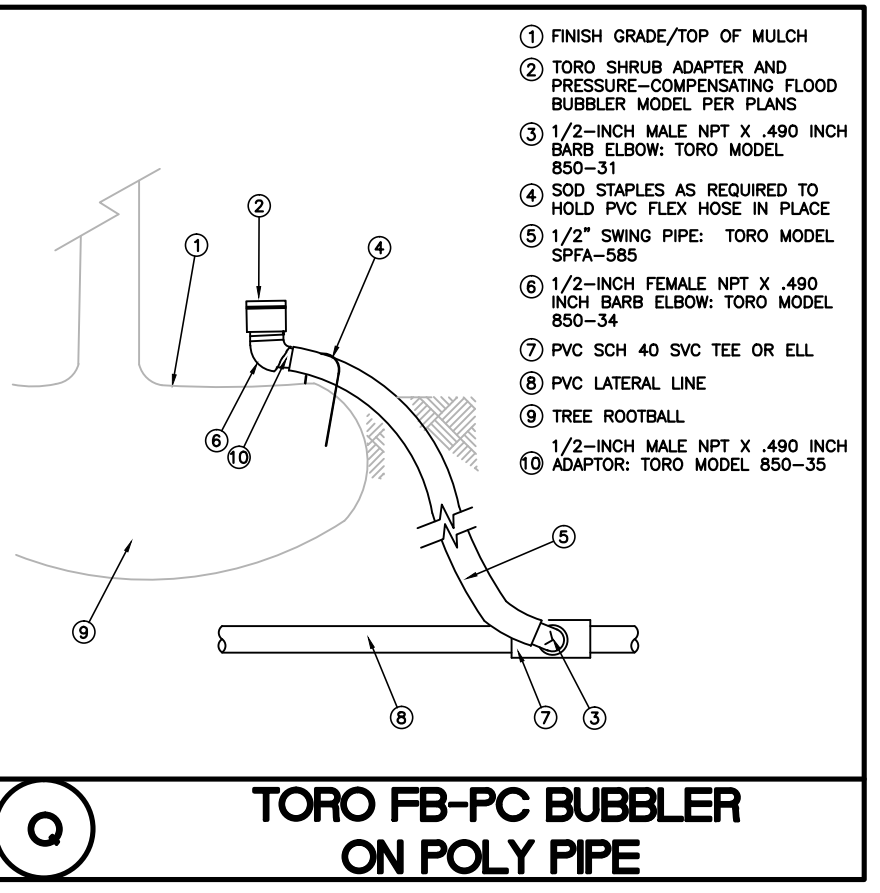
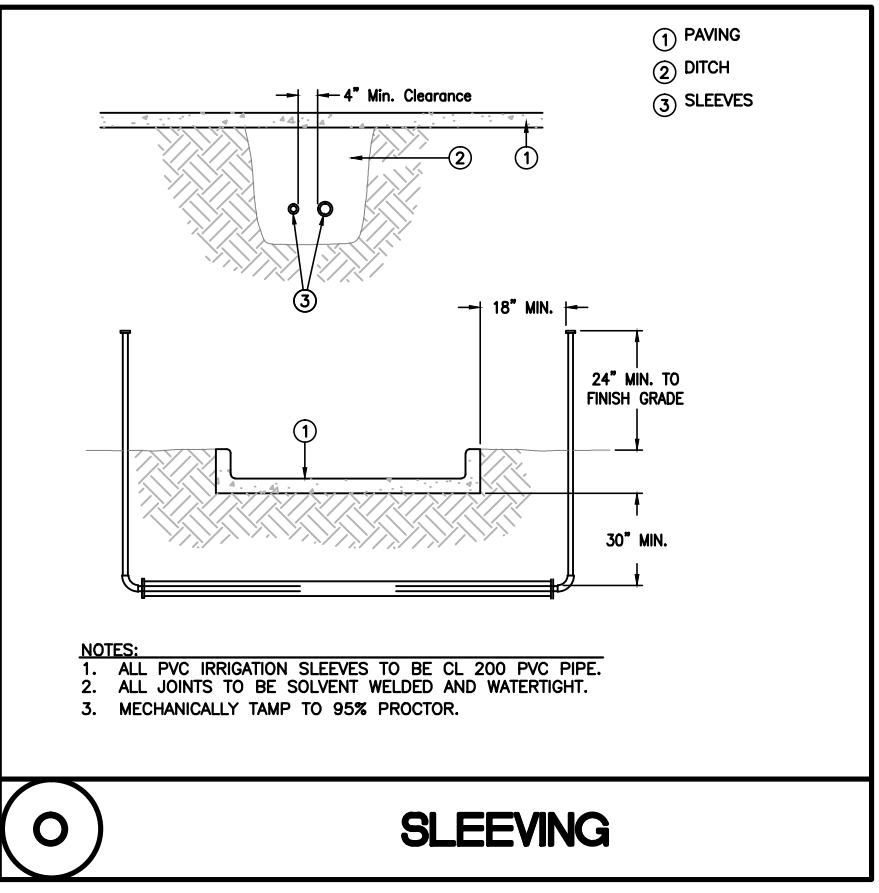
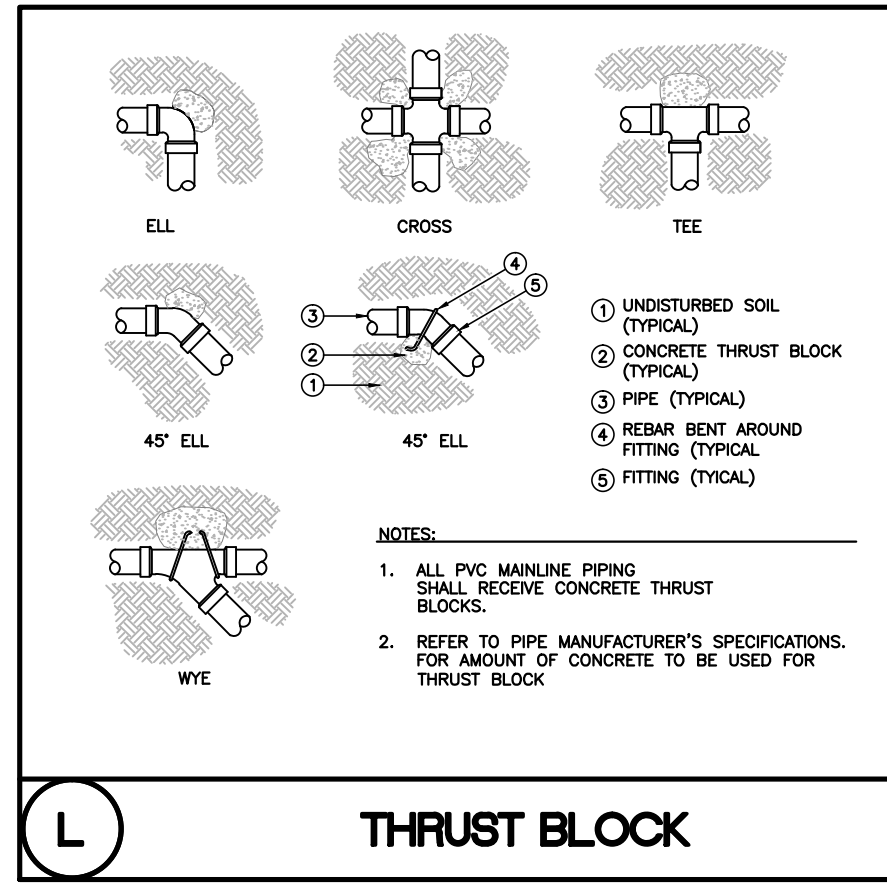
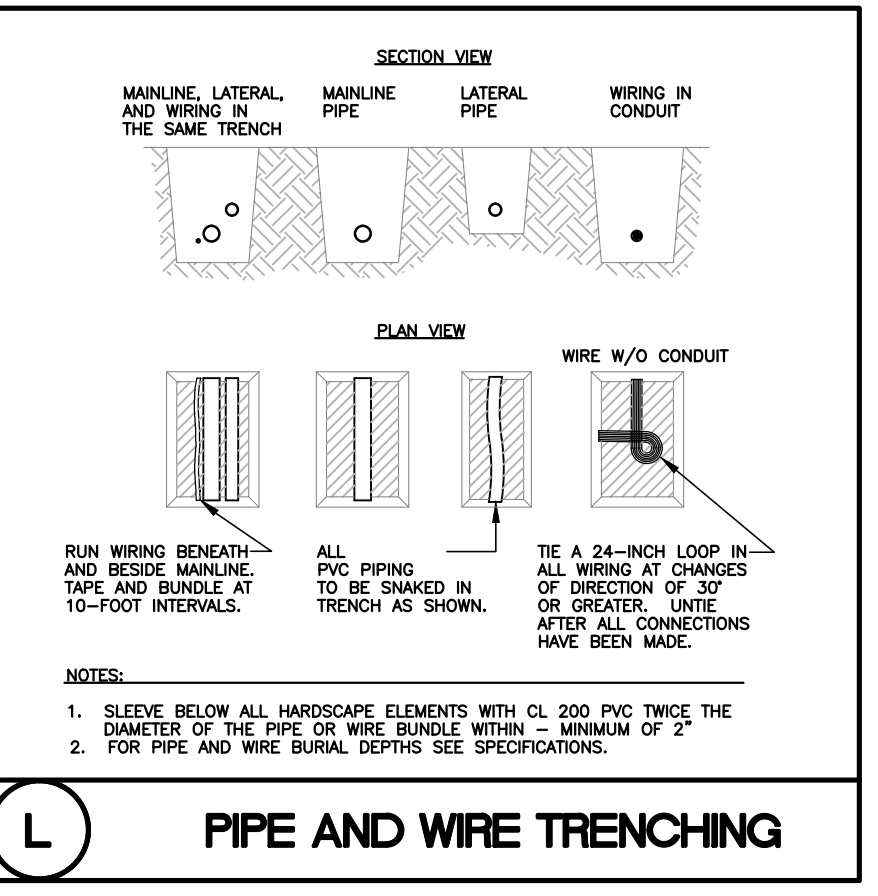
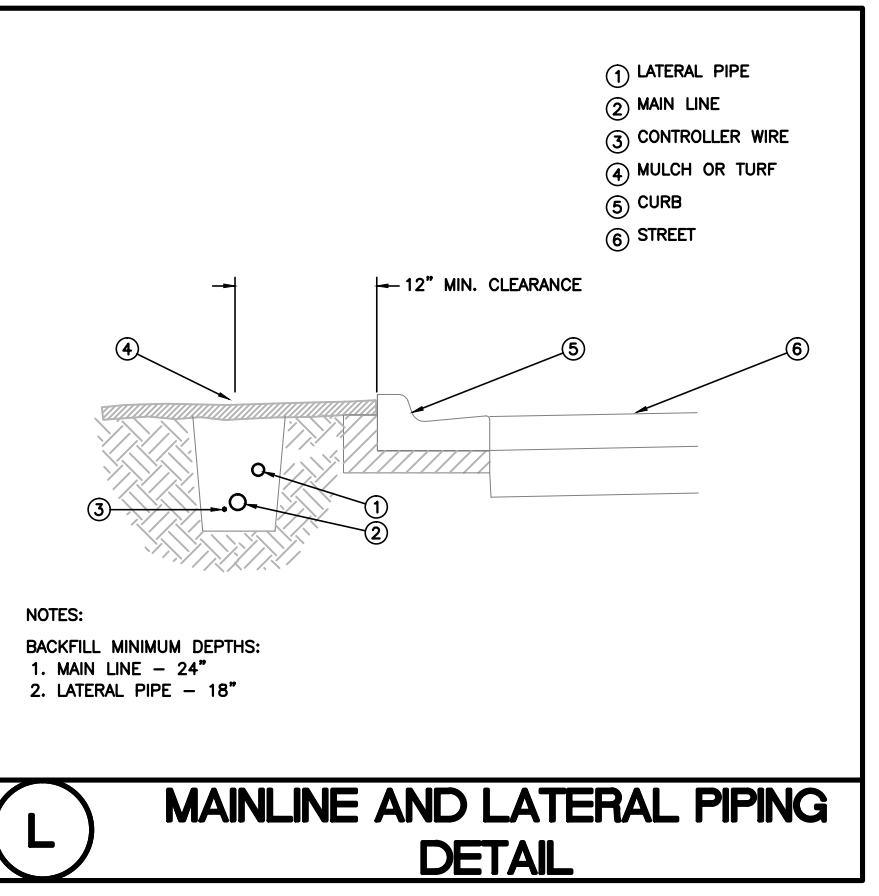
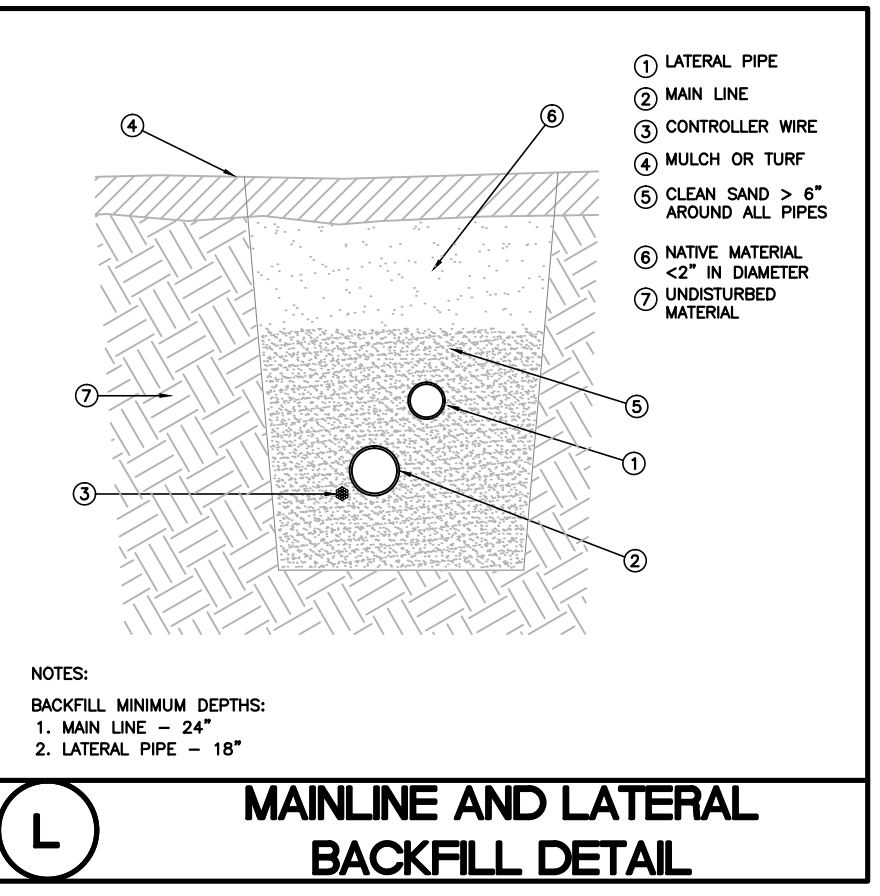
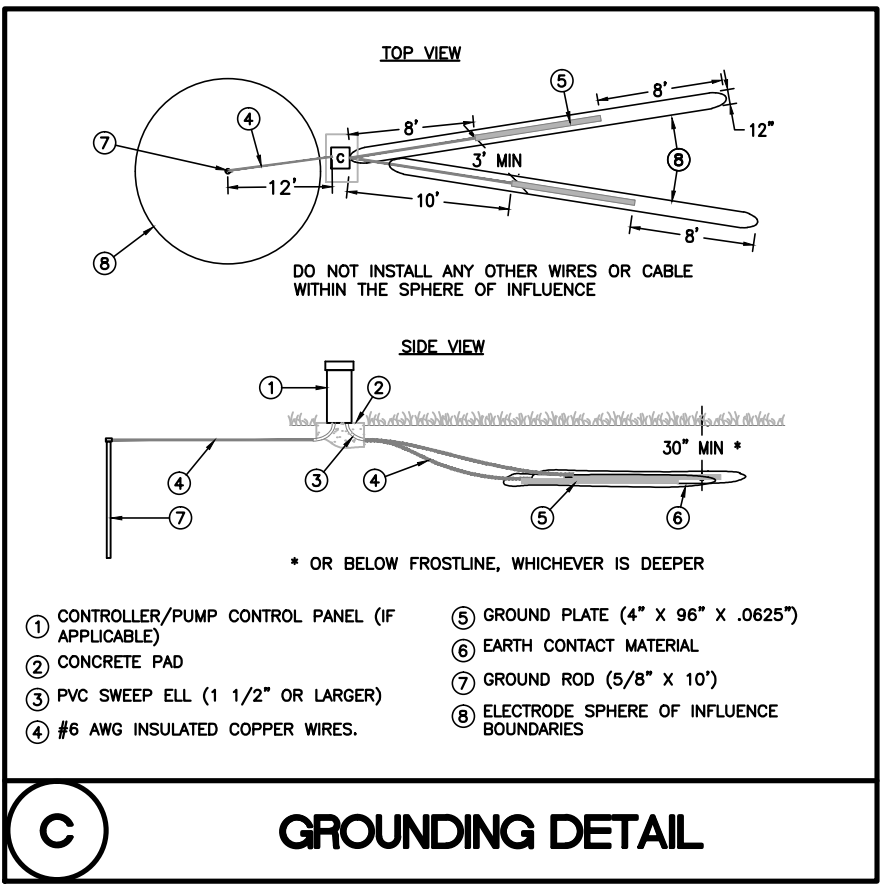
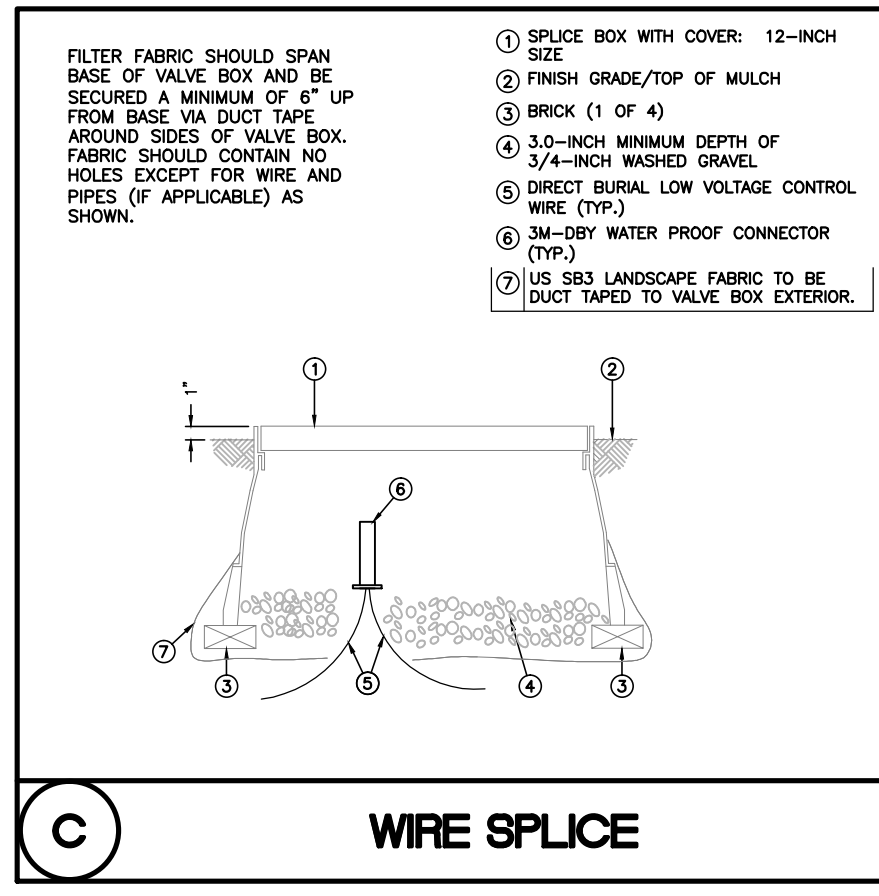
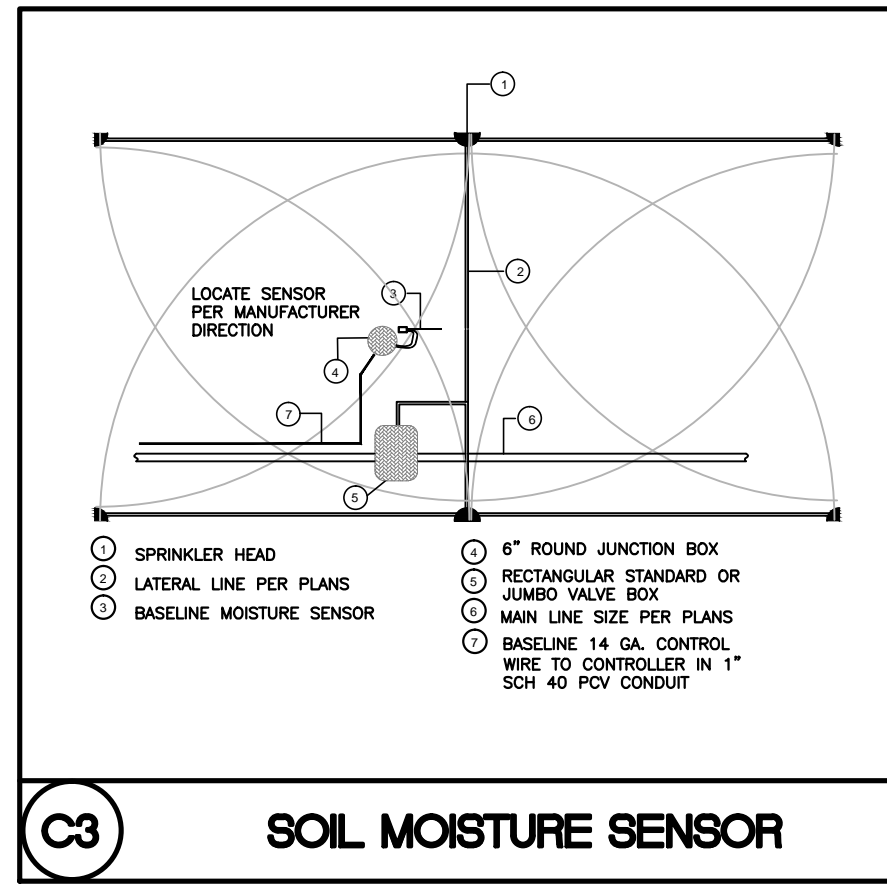
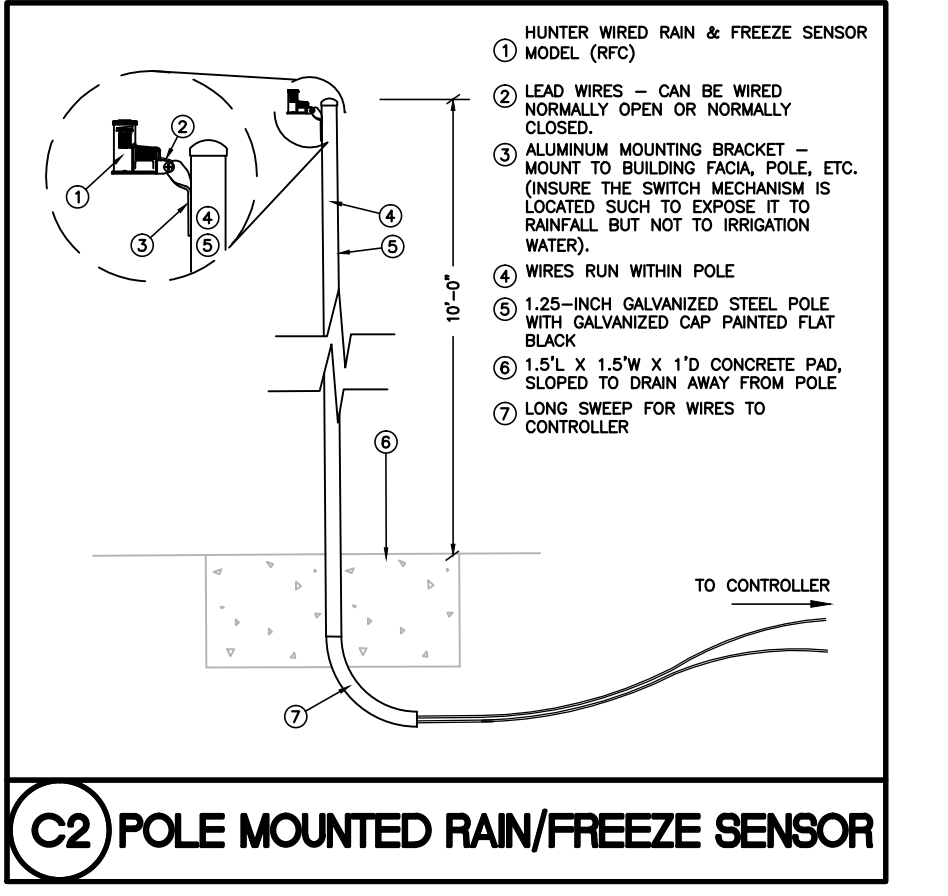
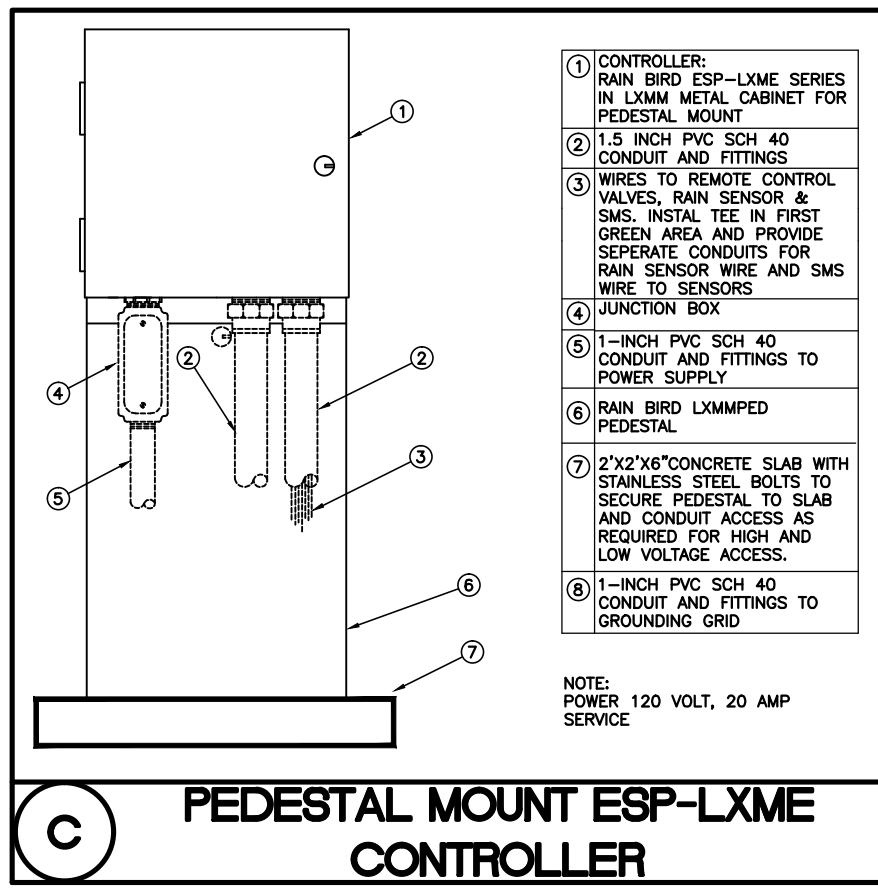
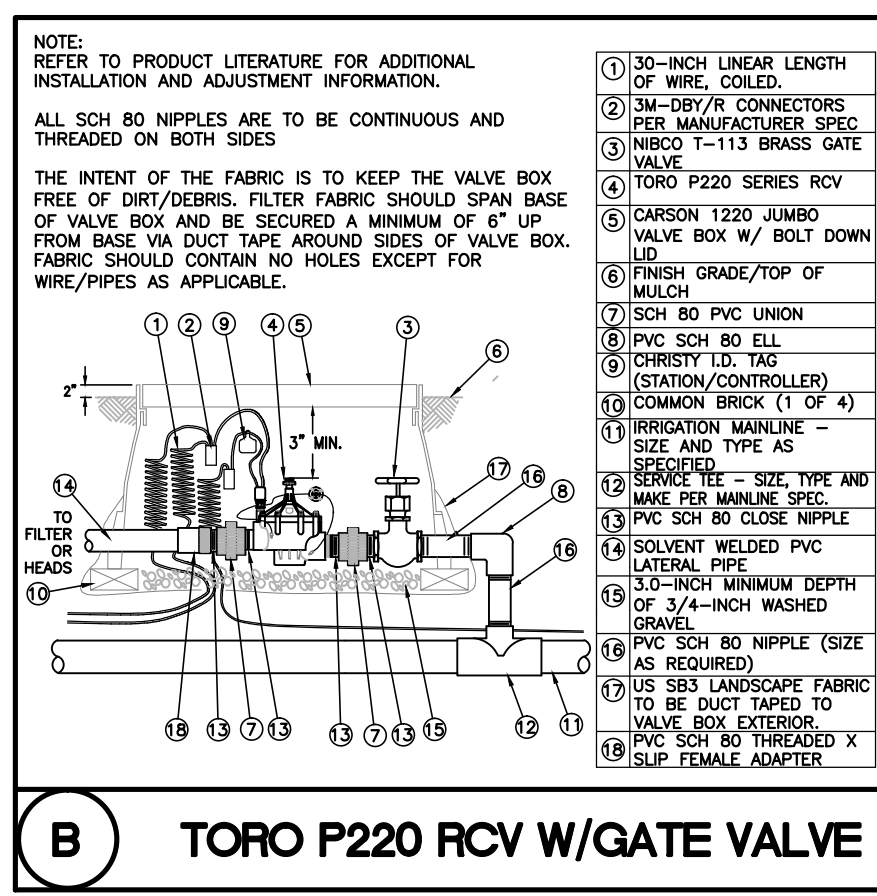
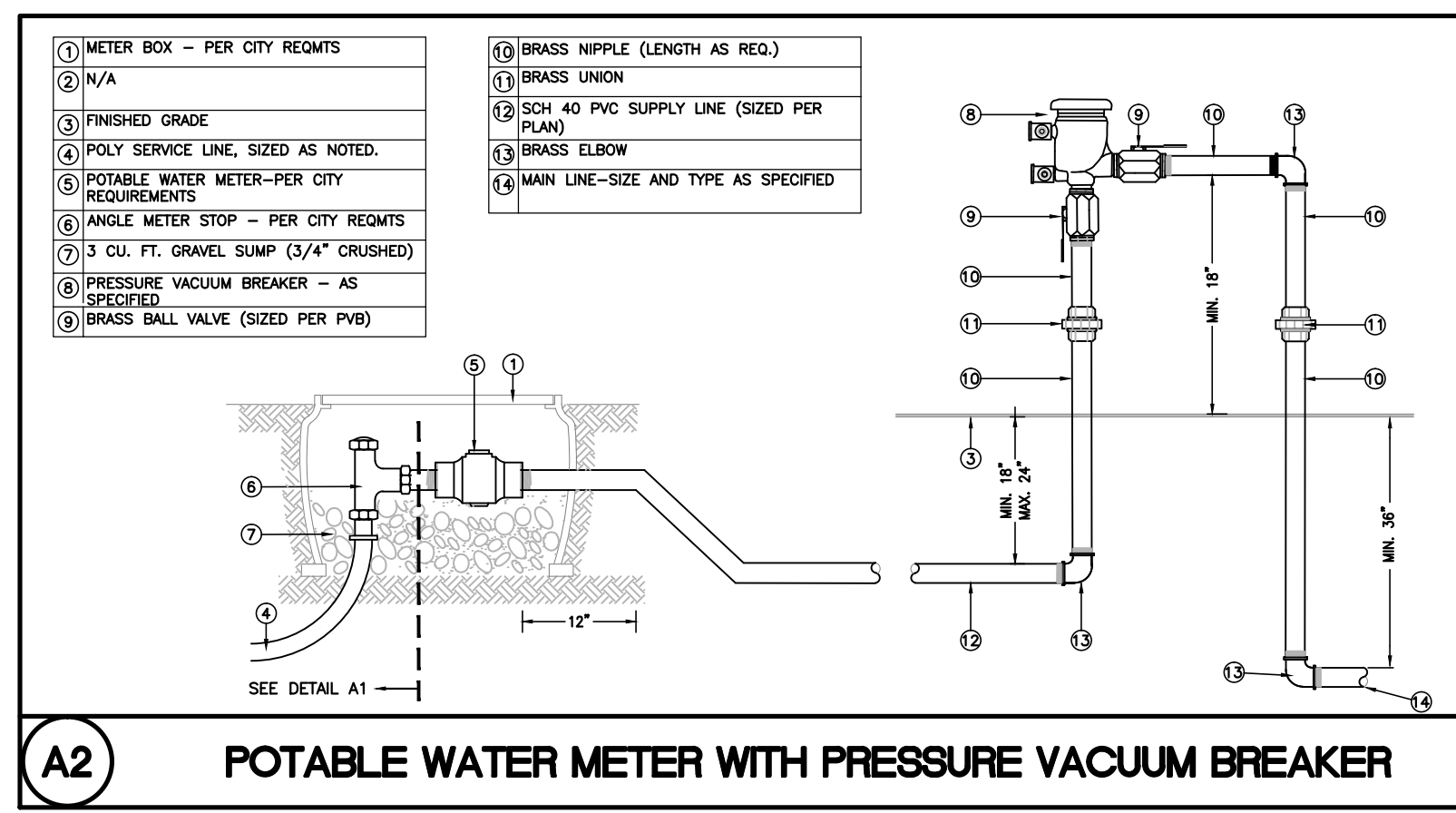
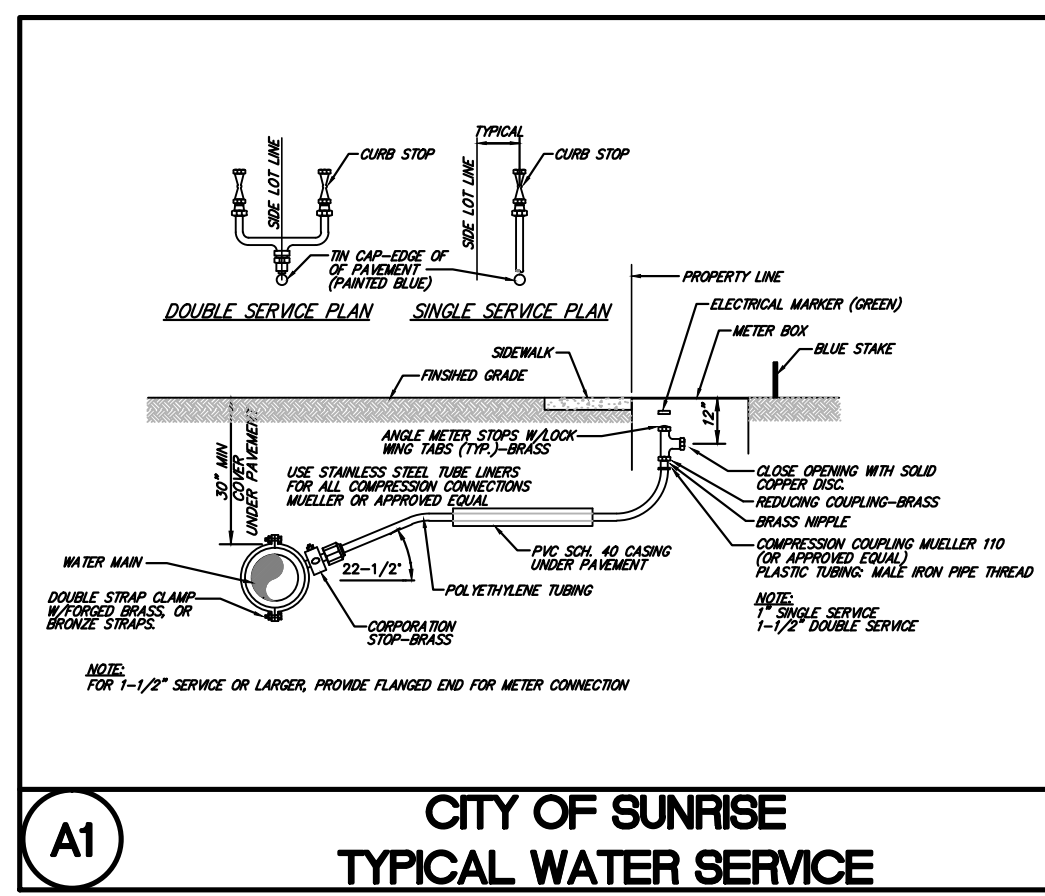
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ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 5200114

12TH STREET PARK RENOVATIONS
LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
PREPARED FOR: CITY OF SUNRISE, FLORIDA

IRRIGATION PLAN

SEAL	DATE:
	04/8/16
Douglas James Schultz Florida RLA No. LA 6666937	DRAWING NO.
PROJECT #:	IR-1
15-0108	



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Masuen Consulting LLC
Water Resource Consultants
32801 Hwy 441 North, #293
Okeechobee, FL 34951
Telephone (866) 928-1533
Fax (800) 928-1534
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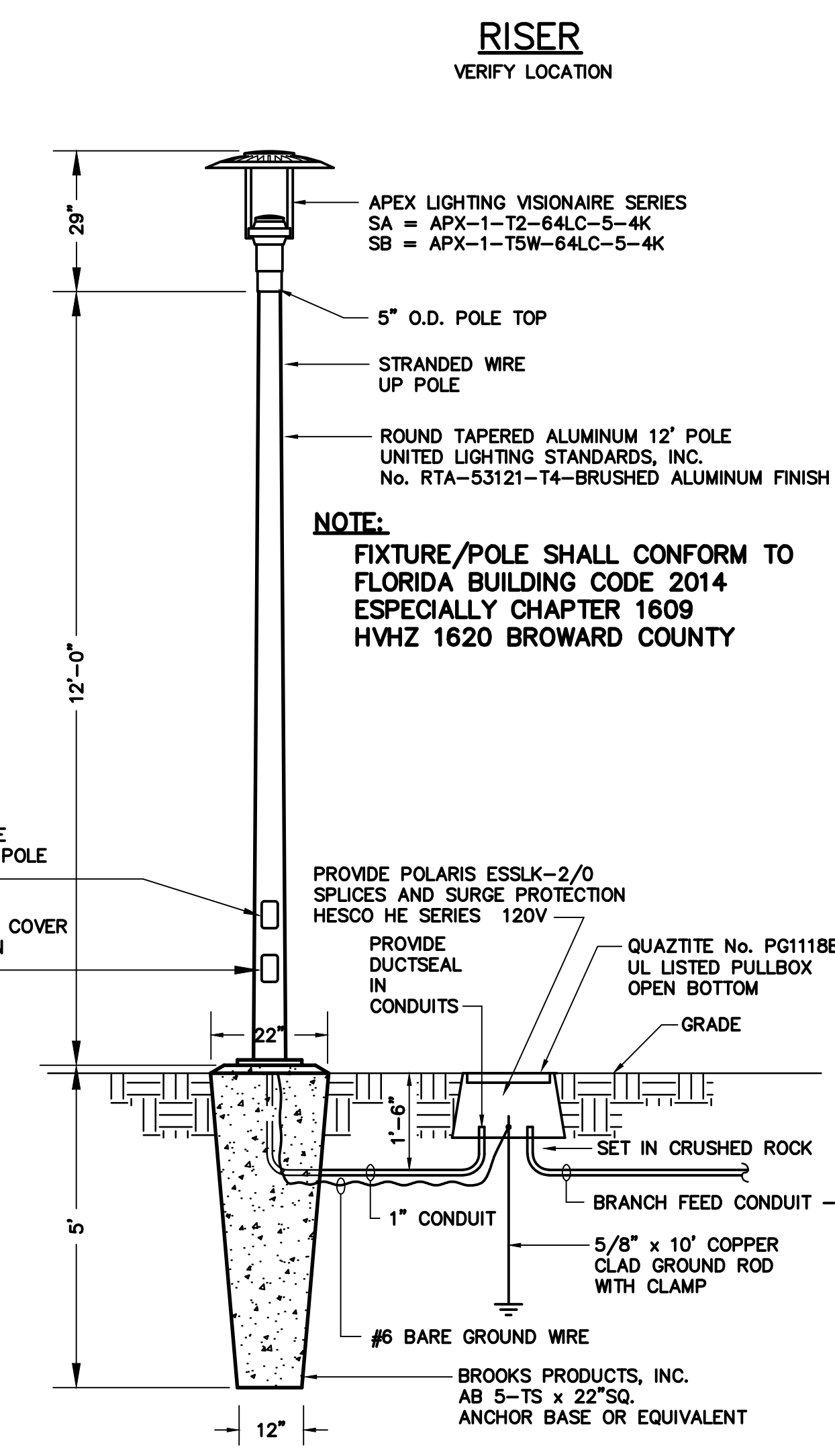
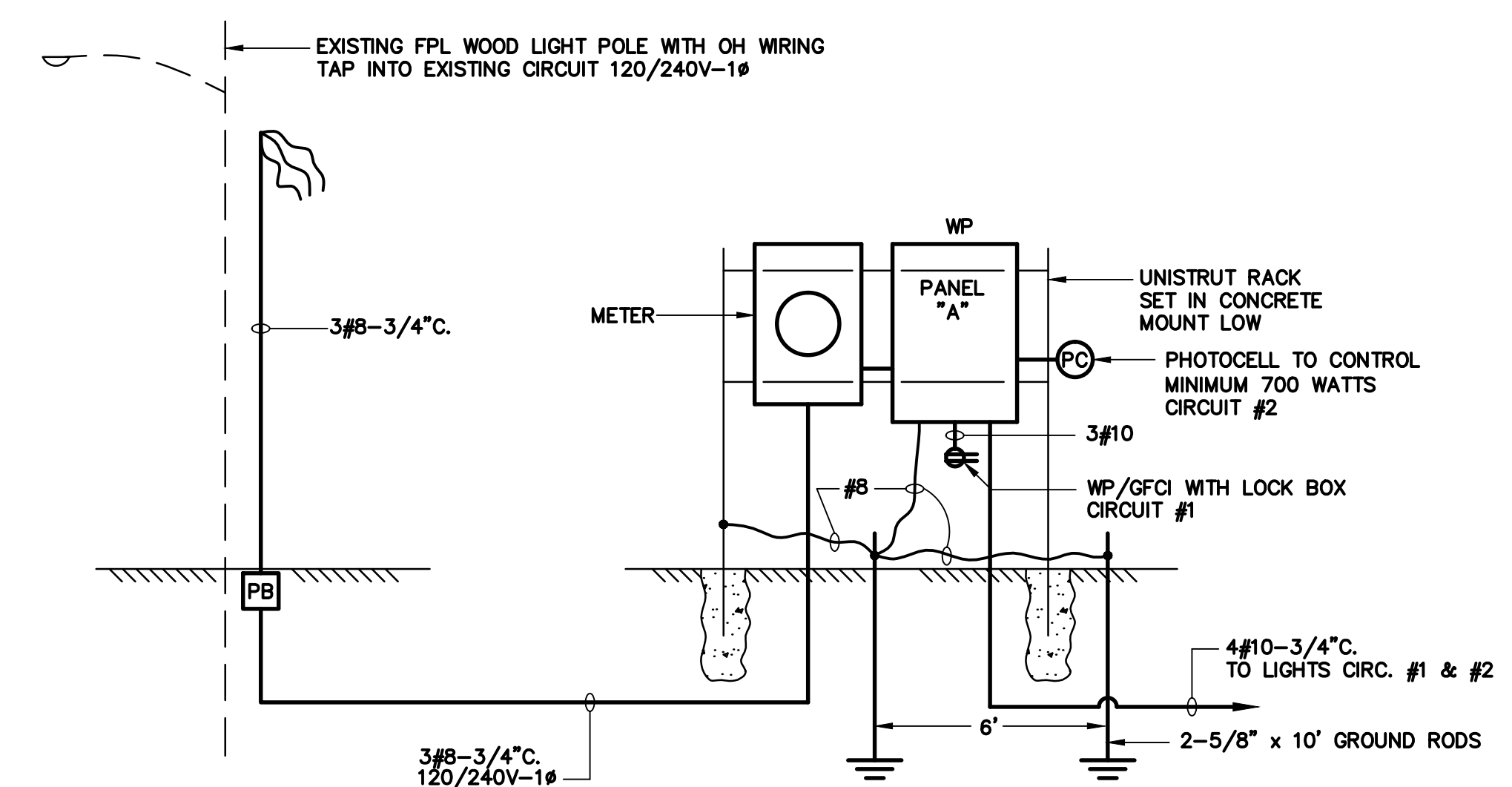
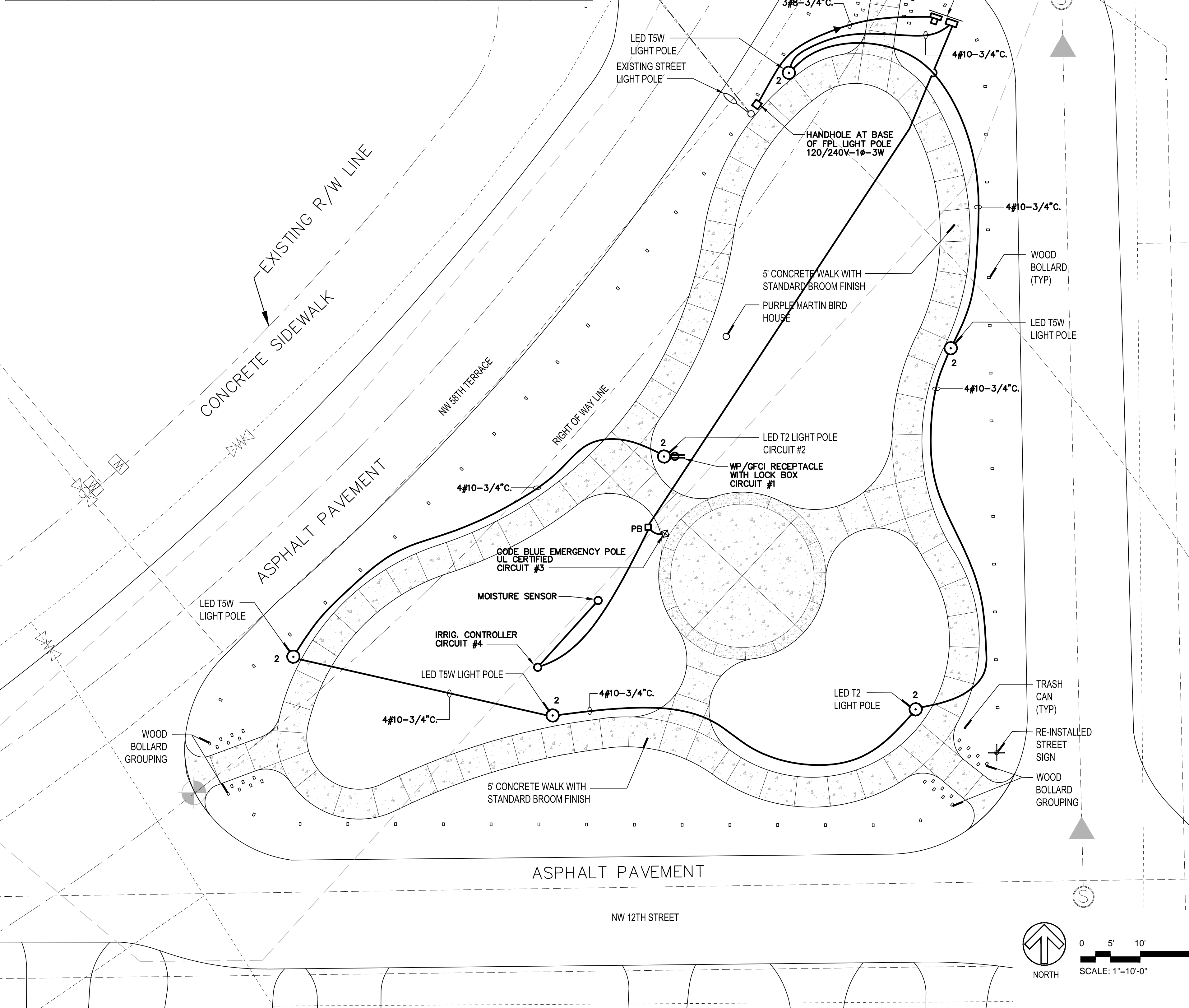
12TH STREET PARK RENOVATIONS
LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
PREPARED FOR: CITY OF SUNRISE, FLORIDA

IRRIGATION DETAILS

SEAL:	DATE:
	04/8/16
Douglas James Schultz Florida RLA No. LA 6666937	DRAWING NO.:
PROJECT #:	IR-2
	15-0108

LUMINAIRE SCHEDULE

Symbol	Qty	Label	Description	Lumens/Lamp	LLF	Lum. Watts	Total Watts
⊙	4	SA	VISIONAIRE APX-1-T2-64LC-5-4K	N.A.	0.800	113	452
⊙	2	SB	VISIONAIRE APX-1-T5W-64LC-5-4K	N.A.	0.800	113	226



NORMAN F. BRAY, P.E., INC.
 CONSULTING ELECTRICAL ENGINEER FLORIDA REG. NO. 9978
 FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER 1124
 2131 HOLLYWOOD BOULEVARD
 SUITE 501 - BOULEVARD LANDMARK
 HOLLYWOOD, FLORIDA 33020-6753
 DN: ML JOB# 15074 (954) 925-3217 FAX (954) 925-3247
 CK: N.F.B. DATE 29 JUN '16 E-MAIL: bray501@bellsouth.net

- TYPICAL LIGHT POLE**
N.T.S.
- GENERAL NOTES:
1. ALL WORK SHALL CONFORM TO FLORIDA BUILDING CODE 2014
 2. ALL WORK SHALL CONFORM TO NEC-2011
 3. SUBMIT SHOP DRAWINGS AND CUT SHEETS FOR APPROVAL ON POLES, DISCONNECT, PHOTOCELL, WIRE, CONDUIT & CODE BLUE

DATE:	
SCALE:	
DESIGNED BY:	-
DRAWN BY:	-
CHECKED BY:	-
APPROVED BY:	-

Craven Thompson and Associates, Inc.
 ENGINEERS • PLANNERS • SURVEYORS
 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
 FAX: (954) 739-6409 TEL: (954) 739-6400
 FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000014

12TH STREET PARK RENOVATIONS
 LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
 PREPARED FOR: CITY OF SUNRISE, FLORIDA

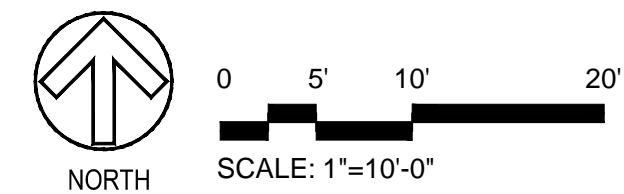
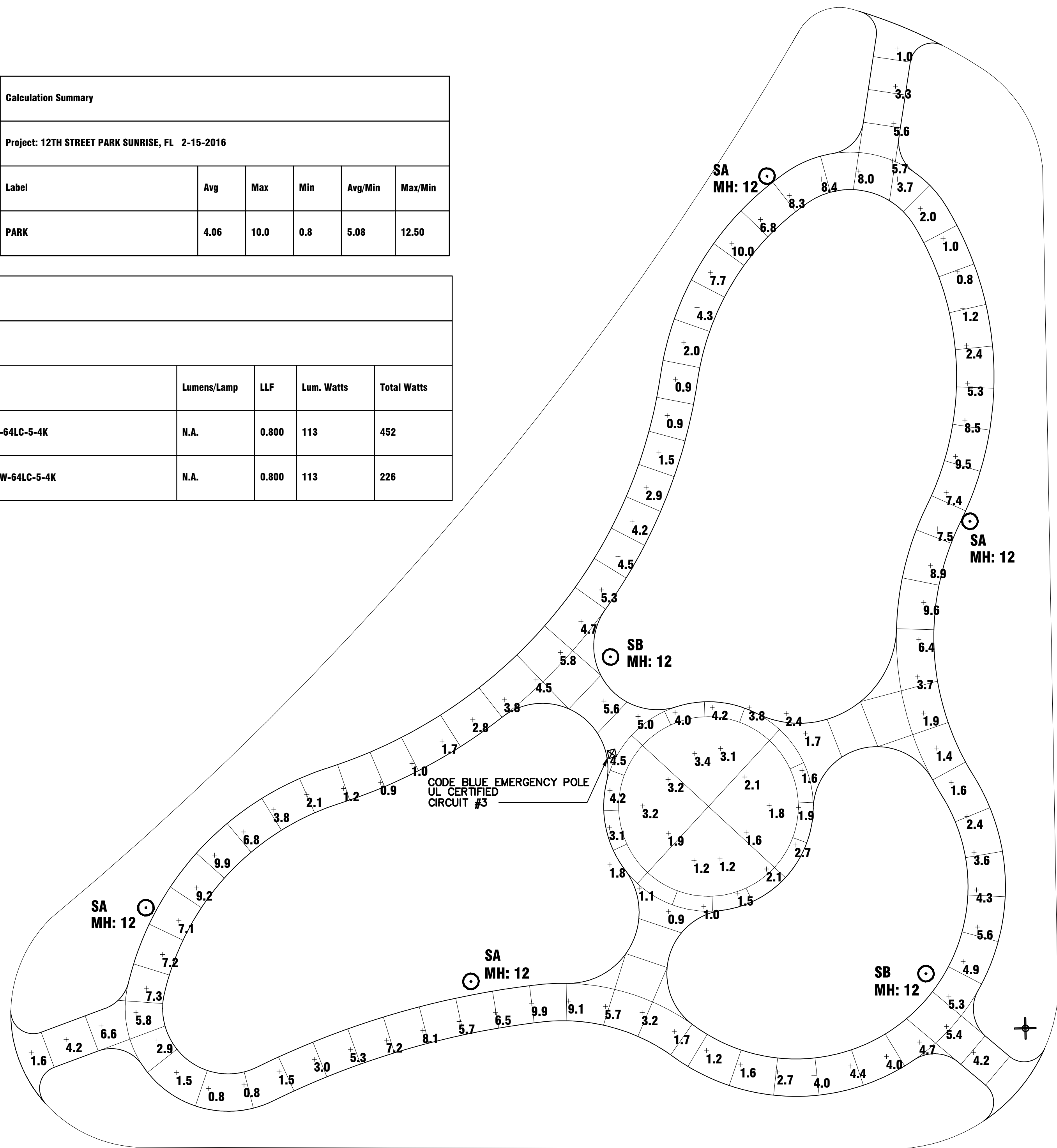
ELECTRICAL SITE PLAN

SEAL: Norman F. Bray
 Florida Reg No. LA 9978
 PROJECT #: 15-0108

DATE:	06/29/16
DRAWING NO.:	E-1
OF 3	

Calculation Summary					
Project: 12TH STREET PARK SUNRISE, FL 2-15-2016					
Label	Avg	Max	Min	Avg/Min	Max/Min
PARK	4.06	10.0	0.8	5.08	12.50

Luminaire Schedule						
Project: 12TH STREET PARK SUNRISE, FL 2-15-2016						
Symbol	Qty	Label	Description	Lumens/Lamp	LLF	Total Watts
	4	SA	VISIONAIRE APX-1-T2-64LC-5-4K	N.A.	0.800	452
	2	SB	VISIONAIRE APX-1-T5W-64LC-5-4K	N.A.	0.800	226



Apex LED Project Name: _____ Catalog Number: _____ Type: _____

Dimensional Drawings

Fixture	A	B	C	D	Max. Watts	Lbs
APX-1	26"	29"	16"	4"	216W	33

The new Apex LED Series offers clean, functional styling that blends with a broad range of architecture. The cast aluminum housing with integrated pole top filter anchors aluminum mounting rods to support the cast aluminum shade that houses the LED light engine. The LED's performance and the driver's life are maximized by enclosing them in the two separate compartments.

The LED light assemblies come with 64 or 128 LED's. Five optical distribution patterns are available. Choose between 4000 or 5000 Kelvin temperature of the LED's.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

It combines LED performance and advanced LED thermal management technology and provides outdoor area lighting that is both energy efficient and aesthetically pleasing.

Model	Optics	Source	Current	Kelvin	Voltage	Mounting	Finish	Options
APX-1	Type II (T2)	# of LEDs 64 (64LC)	mA 350 (3)	4000K Neutral White (4K)	120-277 Universal Voltage (UNV)	Pole Top Step Over 4" O.D. x 4" Tall Series (Central Factory For Other Sites)	White (WH) Smooth White (SWH)	Button Type Photocell Specialty Voltage (PC120) (PC208) (PC240) (PC277)
	Type III (T3)	128 (128LC)	530 (5)	5000K Cool White (55K)	480 (5) 347 (8)	Arm Mount *Works only with ARM MOUNT VARIABLE VOLTAGE (AM)	Black (BK) Smooth Black (SBK) Bronze (BZ) Forest Green (FG)	0-10v Dimming Driver (DIM)
	Type IV (T4)						Silver Metallic (SL)	Dimming/Controls Control Factory
	Type V (T5)						Graphite (GP)	Motion Sensor/Control Wall Stopper FSP-211 2" Diameter @ 8" O.D. HT. Must specify Dimming Driver. Can use with Dimming Control
	Type V-W (T5W)						Weathered Brown (WB) Soft Gold (SG) Custom Color (CC)	Wireless Control *Control Factory *Wireless control 64LC only

For more detailed information on mounting, wiring or installation instructions, please contact factory. If cables are not shown with luminaire, please specify mounting hardware. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

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Performance. It's a Vision. www.visionaire.com

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Panel Data	Circuit No.	Circuit Breaker	VA	Description of Load	Wire & Conduit
A	1	20A-1P	400	Receptacles	#10 + 10 Gnd
277/240V	2	20A-1P	678	Pole Lights	#10 + 10 Gnd.
1 Phase	3	20A-1P	100	Code Blue	#12 + #12 Gnd.
3 Wire	4	20A-1P	100	Irrigation Controls	#12 + #12 Gnd.
40A-2P	5	20A-1P	-	Spare	
	6	20A-1P	-	Spare	
Main CB	7,8	30A-2P	-	SPD	3 #10
NEMA	9,10	Space			
3R	11,12	Space			
10 KAIC	1278 / 240V = 5.3Amps				
	Feeder: 3 #8- 1" C from FFL				

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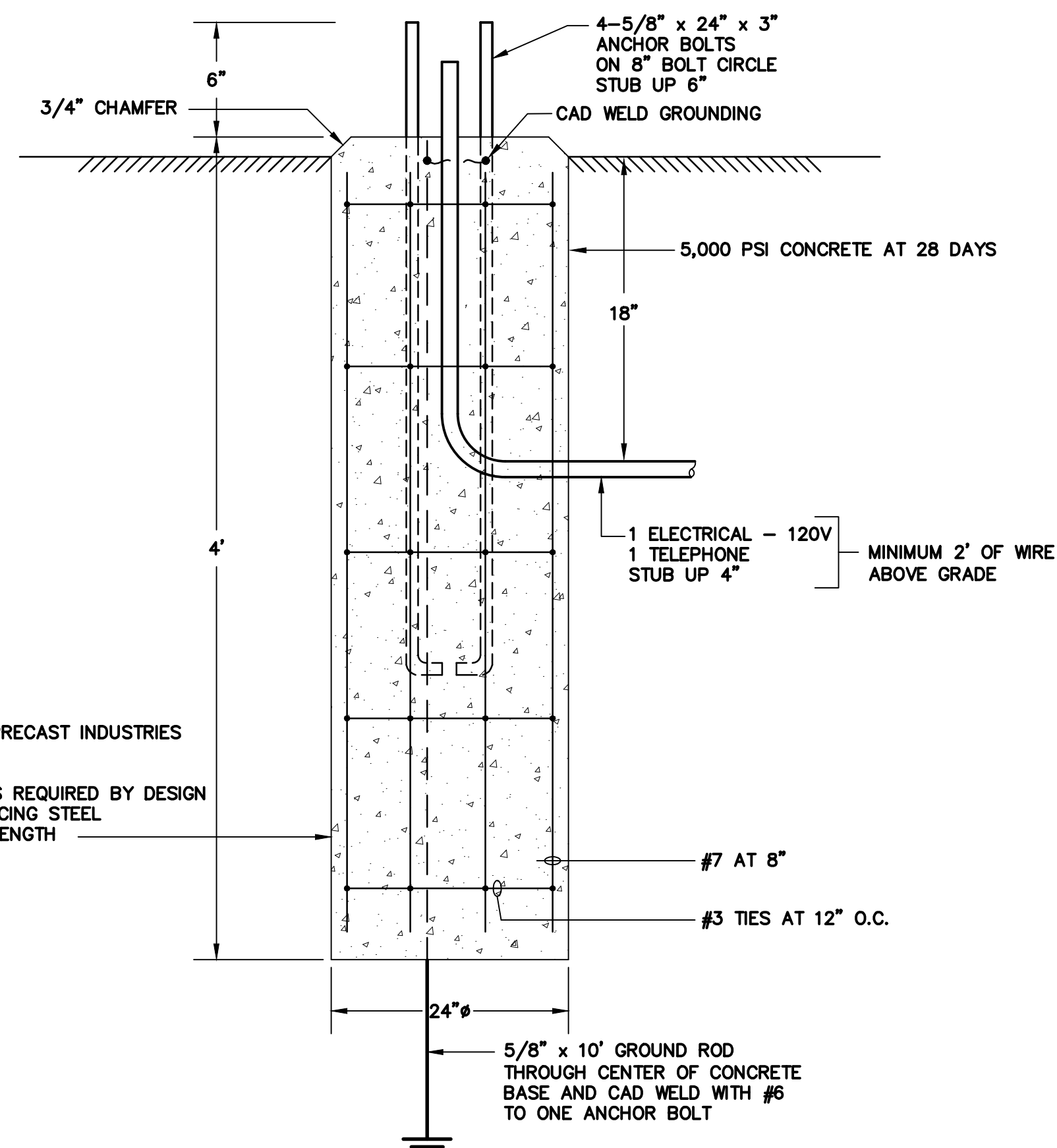
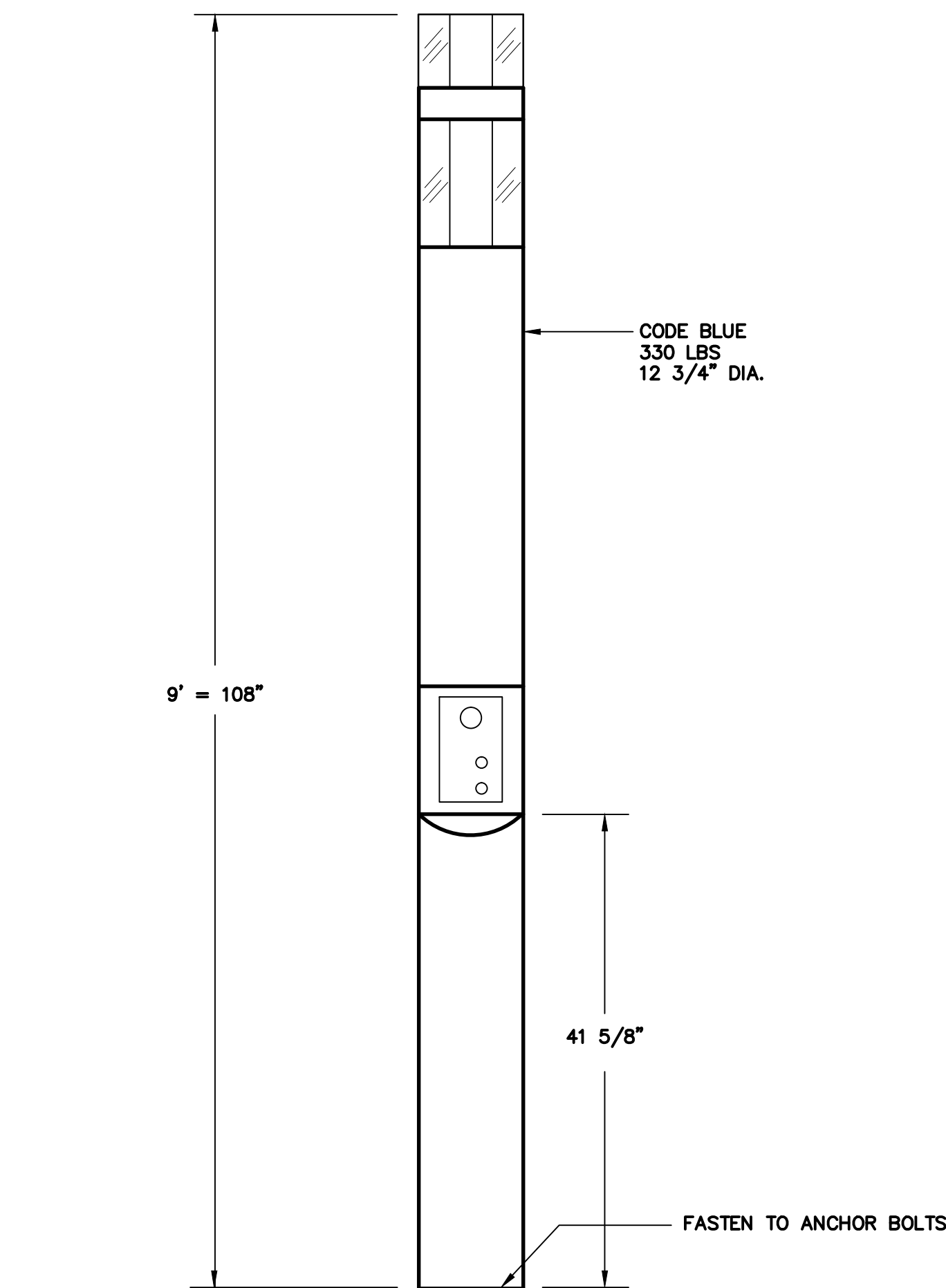
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12TH STREET PARK RENOVATIONS
LOCATED AT NW 12TH STREET AND NW 58TH TERRACE SUNRISE, FL
PREPARED FOR: CITY OF SUNRISE, FLORIDA

PHOTOMETRICS PLAN

SEAL	DATE: 06/29/16
Norman F. Bray Florida Reg No. LA 9978	DRAWING NO. E-2
PROJECT #: 15-0108	OF 3



CODE BLUE DETAIL

N.T.S.
UL 60950-1 AND UL 2017
NEMA 4X

Code Blue CB 1-s Product Sheet

UNIT SPECIFICATIONS

Overall Height	108" (274.32 cm)
Outside Diameter	12.75" (32.38 cm)
Housing Material	steel
Access Opening (w x h)	.25" (.635 cm)
Overall Weight	14" x 9.64" (35.56 x 24.49 cm)
Standard Power Requirements	330 lbs. (149.69 kg)
	24V AC @ 50w

UNIT FINISH COLORS

Standard Painted Finish

- British Racing Green, Cardinal Red, Dark Bronze, Gloss White, Gloss Black, Medium Bronze, Midnight Blue, Safety Blue, Safety Red, Safety Yellow, Tiger Orange, Bright Silver

Custom Painted Finish

Custom colors from Pantone® color chart or sample are available as a special order

GRAPHICS TEXT (WORDING)

Standard Assistance, Courtesy, Emergency, Police, Security, Information, Help Point

Custom Custom text graphics are available as a special order

GRAPHICS TEXT COLORS

Standard (reflective decal) Black, Blue, Green, Red, White, Yellow

Custom Custom colors from Pantone color chart or sample are available as a special order

GSM CELLULAR OPTION

Provides wireless communications to eliminate trenching for phone lines. System requires a reliable GSM cellular service to be provided by customer.

IP WIRELESS OPTION

Code Blue has three varieties of blank mounting rings available as optional features for its 1 Series Pedestal Help Points® (CB 1-w not included). These rings allow a customer to internally and externally mount third party communication and security equipment with their unit to enhance connectivity and functionality.

NIGHTCHARGE®

Continuous power is supplied to the Code Blue from a non-continuous power source. Typically used with an outdoor lighting network when power is only on during a portion of the day or night.

FACEPLATE OPTIONS

FP1 Standard faceplate assembly with single red PUSH FOR HELP button

FP2 Optional faceplate assembly with additional black INFO button

FP2-K Optional faceplate assembly with additional CALL button and keypad

108

12-3/4

41-5/8

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Code Blue CB 1-s Product Sheet

PEDESTAL - INTERACTIVE VOICE COMMUNICATION UNIT

The CB 1-s is the original Code Blue pedestal unit and sets the industry standard for rugged construction, full feature availability and high visibility. The CB 1-s is easily recognized throughout a full 360-degree area. The user friendly lighted faceplate and the integral area light ensures rapid location in an open environment. The high output strobe is easily identifiable by security when activated.

The exclusive analog InterAct and VoIP speakerphones are designed for maximum reliability, vandal resistance, auxiliary functions, mass notification control, and fault monitoring and reporting capability.

The CB 1-s is an excellent choice for walkways, parks, college and commercial campus areas, open landscape areas and anywhere a freestanding pedestal unit is required.

RATINGS

UL	UL 60950-1 and UL 2017
IP	IP56
NEMA	4X

STANDARD FEATURES

- Analog or VoIP speakerphone options
- TooVox® compatible with Blue Alert® MNS and Blue Alert EMS
- IA4100
- 2 Inputs - These are simply NO dry contact
- 3 Outputs - Can be configured NO or NC
- 1 Line Level Audio Output 600 ohm
- IP5000
- 1 Input - This is a NO dry contact
- 2 Outputs - Each can ONLY be configured NO
- 1 Line Level Audio Output 600 ohm
- 2 Auxiliary inputs/3 Auxiliary outputs (3 NO or 3 NC)
- High output combo LED beacon/strobe
- LED lit stainless steel faceplate
- Passive vent
- 24V AC power
- Voice Identifier
- ADA compliant
- UV resistant lenses
- Vandal resistant hardware
- Phone line surge suppressor
- Ultra-weather resistant finish
- Internal foundation anchor kit

OPTIONAL FEATURES

- Second Faceplate
- Active vent
- NightCharge® with photocell strobe
- Overhead camera mount
- Custom colors and graphics
- Step-down multi-tap power transformer
- GSM & IP wireless communication options
- 360°, 6-speaker Public Address System
- AED Housing

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Norman F. Bray	DRAWING NO.
Florida Reg No. LA 9978	E-3
PROJECT #:	OF 3
15-0108	