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Sarasota, Florida 34240, U.S.A.

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onsible for all dimensions. DO omissions shall be reported to ings are the property of urpose other than that

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Legend

Notes

B Add (2) QVs, Update Existing Tree Canopy ATO SAB 2013.01.09 ASM SAB 2012.10.19 **A** Added Visibility Triangles Appd. YY.MM.DD Revision By Appd. YY.MM.DD Issued Bv ASMMLHSAB2012.02.03Dwn.Chkd.Dsgn.YY.MM.DD File Name:

> SCOTT A. BUTTARI, L.A. FLORIDA LICENSE NO. 0001756

Client/Project

Manatee County Board of County Comissioners

Fort Hamer Park Phase II

Manatee County, Florida

Title LANDSCAPE PLANTING PLAN

Project No. 215610582 Drawing No.

LP-101

Scale 15 30 45 Sheet



ORIGINAL SHEET – ARCH D

TYPE	4"-15" DBH	16"-30" DBH	31" DBH +	TOTAL				
OAK	36	10	-	45				
PINE	-	-	-	-				
OTHER	-	-	-	-				
PALM	29	-	-	29				
TOTAL	65	10	-	74				

EE REPLACEMENT QUANTITIES: 65 (4"-15" DBH) TREES @ 1:1 =	65, 3" C
10 (16"-30" DBH) TREES @ 2:1 =	20, 4" C
75 TREES REMOVED =	85 TRE



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Legend

Notes

B Rev Ex Tree Canopy, Barricade, & Rem Sch	ATO	SAB	2013.01.09
Revision	Ву	Appd.	YY.MM.DD
1. Issued	By	Appd.	YY.MM.DD
135454)	1.1	
File Name: ASM	MLH	SAB	2012.02.03

SCOTT A. BUTTARI, L.A. FLORIDA LICENSE NO. 0001756

Dwn. Chkd. Dsgn. YY.MM.DD

Client/Project

Manatee County Board of County Comissioners

Fort Hamer Park Phase II

Manatee County, Florida

Title LANDSCAPE TREE REMOVAL / CONSERVATION PLAN

Project No. 215610582

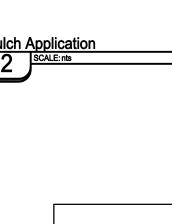
Scale 15 30 45 - 75 Sheet

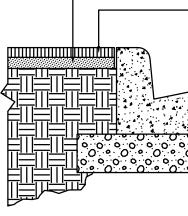
LP-401

Drawing No.

LANDSCAPE NOTES

- 1. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION.
- 2. CONTRACTOR SHALL NOTIFY ALL PERTINENT UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES. PLANS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE DOCUMENTS.
- 3. THE CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH EXISTING SITE CONDITIONS PRIOR TO BEGINNING INSTALLATION. ALL EXISTING SITE IMPROVEMENTS, PAVING, LANDSCAPE, LIGHTING, AND OTHER SITE ELEMENTS TO REMAIN SHALL BE PROTECTED FROM DAMAGE UNLESS OTHERWISE NOTED.
- 4. UNLESS OTHERWISE NOTED, THE LIMITS OF CONSTRUCTION ARE THE CLEARING LIMITS NOTED ON THE PLANS.
- 5. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- 6. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER TO NOT IMPEDE THE PROGRESS OF WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
- 7. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL EXISTING GROUND COVERS FOR ALL NEW PLANTING BEDS BY APPROVED MEANS PRIOR TO PLANTING INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL DAMAGED PORTIONS OF EXISTING PLANTING OR LAWN AREAS INDICATED TO REMAIN WHILE COMPLETING NEW PLANTING INSTALLATION WORK WITH SAME KIND OF PLANTS OR GRASS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- 8. THE CONTRACTOR SHALL BEAR ALL COST ASSOCIATED WITH SOIL TESTING AND SOIL AMENDMENTS AS REQUIRED AS A RESULT OF THE SOIL TESTING LABORATORY'S RECOMMENDATIONS. PRIOR TO INITIATING INSTALLATION THE CONTRACTOR SHALL PROVIDE SOIL TEST FOR AT LEAST TWO ON-SITE LOCATIONS.
- 9. ALL PLANT CONTAINER SIZES NOTED ON THE PLANT LIST/MATERIAL SCHEDULE ARE MINIMUM. INCREASE SIZE OF CONTAINERS IF NECESSARY TO CONFORM TO THE PLANT SIZE AND SPECIFICATIONS.
- 10. EROSION CONTROL MATERIAL SHALL BE INSTALLED IN ALL SHRUB AND GROUND COVER PLANTING AREAS AS PER THE DETAILS AND/OR SPECIFICATIONS FOR ALL SLOPES THAT ARE GREATER THAN 3:1 (SLOPES 1' VERTICAL FOR EVERY 3' HORIZONTAL). SEE CIVIL ENGINEERING PLANS FOR LOCATIONS WHERE SLOPES ARE GREATER THAN 3:1.
- 11. SHRUB AND GROUND COVER PLANTINGS ARE TYPICALLY SHOWN ON THE PLANS IN MASS PLANTING BEDS. PLANTS SHALL BE SET IN A TRIANGULAR SPACING PATTERN (STAGGERED SPACING). PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE INDICATED IN THE PLANT LIST.
- 12. LANDSCAPE CONTRACTOR SHALL FIELD ADJUST THE LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING TREES AND UNDERSTORY VEGETATION TO REMAIN, UNDERGROUND AND ABOVE GROUND UTILITIES AND ALL OTHER ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT PRIOR TO INITIATING ANY CHANGES.
- 13. WHEN NECESSARY, PLANTING WITHIN THE DRIPLINE/CANOPY OF EXISTING TREES SHOULD BE DONE IN THE MOST SENSITIVE MANNER POSSIBLE IN ORDER TO AVOID ROOT DAMAGE. ALL NEW PLANTINGS WITHIN THE DRIPLINE/CANOPY SHOULD BE HAND-DUG AND FIELD ADJUSTED TO AVOID ROOTS AS NECESSARY.
- 14. ANY SUBSTITUTIONS TO PLANT MATERIAL SIZE OR TYPE MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS OR ALTERATIONS TO THE LANDSCAPE PLANTING PLANS OR PLANT LIST & MATERIALS WITHOUT THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. ANY LANDSCAPE PLANTING INSTALLED THAT DOES NOT CONFORM TO THE PLANS, PLANT LIST AND SPECIFICATIONS SHALL BE REPLACED IMMEDIATELY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AS REQUIRED TO MAINTAIN AND ESTABLISH ALL PLANTING (NEW, EXISTING TO BE RELOCATED, AND EXISTING PLANTINGS TO REMAIN WHILE IRRIGATION SYSTEM IS BEING INSTALLED OR REPAIRED) TO SUPPLEMENT IRRIGATION AND RAINFALL. THE IRRIGATION SYSTEM IS DESIGNED TO MAINTAIN THE LANDSCAPE PLANTINGS AND NOT ESTABLISH THEM. THE CONTRACTOR IS RESPONSIBLE FOR WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION SYSTEMS.
- 16. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN FULL, ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, AND WEEDING, ETC.) UNTIL THE JOB IS ACCEPTED
- 17. CONTRACTOR SHALL ASSURE DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CORRECT IF REQUIRED TO ASSURE PERCOLATION. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL PLANTS LOST DUE TO INADEQUATE DRAINAGE CONDITIONS.
- 18. CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. LANDSCAPE RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OR RECYCLED OFF-SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT STORED ON-SITE SHALL BE KEPT IN AN ORGANIZED MANNER DAILY.
- 19. CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR FROM INSTALLATION WORK. THE CONTRACTOR SHALL REPLACE BY EQUAL SIZE AND QUALITY ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANTING REMOVAL, RELOCATION, AND/OR INSTALLATION.
- 20. EXISTING TREES OR OTHER PLANT MATERIAL INDICATED ON THE PLANS TO BE RELOCATED SHALL BE HANDLED, CARED FOR, AND MAINTAINED AS NEW PLANTINGS. THE CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED ROOT PRUNING, WRAPPING, TREE SPADING OR BALL AND BURLAPPING, ADDITIONAL SUPPLEMENTAL HAND WATERING, IRRIGATION MISTERS INSTALLED AT THE TREE CANOPY, OR ANY OTHER SOUND HORTICULTURAL PRACTICE REQUIRED TO ENSURE THE SURVIVAL OF ALL RELOCATED PLANT MATERIAL.
- 21. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, SPECIFICATIONS, PLANT LIST AND PLANS FOR FURTHER AND COMPLETE PLANTING INSTALLATION INSTRUCTIONS.
- 22. LANDSCAPE CONTRACTOR SHALL FULLY FAMILIARIZE HIMSELF / HERSELF WITH THE PROJECT PRIOR TO **BIDDING THE WORK.**
- 23. FOR SITE GRADING AND CONTOUR INFORMATION, EXISTING VEGETATION TO REMAIN, BUILDINGS AND OTHER SITE FEATURE LOCATIONS AND THE LOCATION OF ALL ABOVE AND BELOW GROUND UTILITIES SEE THE MOST CURRENT AND UP TO DATE ARCHITECTURAL, CIVIL, ELECTRICAL, STRUCTURAL AND MECHANICAL ENGINEERING DRAWINGS AS PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE. FIELD LOCATE ALL UNDERGROUND UTILITIES, EXISTING VEGETATION TO REMAIN AND ANY OTHER OBSTRUCTIONS AND COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO INITIATING ANY LANDSCAPE PLANTING OR IRRIGATION INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DAMAGE COMMITTED TO EXISTING OR PROPOSED ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVE.
- 24. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL AND EDGES OF PLANTING BEDS FOR THE REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INITIATING ANY INSTALLATION OF THE LANDSCAPE PLANTINGS.
- 25. LANDSCAPE CONTRACTOR SHALL COORDINATE WORK WITH THE IRRIGATION CONTRACTOR AND ALL OTHER TRADES AS REQUIRED.
- 26. THE CONTRACTOR SHALL REQUEST INSPECTION OF THE PROJECT IN WRITING A MINIMUM OF THREE (3) DAYS PRIOR TO DESIRED INSPECTION DATE. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER AND LANDSCAPE ARCHITECT SHALL DECLARE THE WORK SUBSTANTIALLY COMPLETE. THE CONTRACTOR IS TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE (1) WEEK OF NOTICE.
- 27. GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACE OF THE TREE OR PALM. PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. REMOVAL OF ALL STAKING AND GUYING OF TREES AND PALMS AFTER FINAL ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE OWNER.
- 28. ALL PLANT MATERIAL SHALL BE FLORIDA NO.1 OR BETTER AT TIME OF INSTALLATION AND SHALL BE MAINTAINED IN THIS SAME CONDITION UNTIL FINAL ACCEPTANCE. THE CONTRACTOR GUARANTEES THE PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
- 29. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO.1 GRADE, ACCORDING TO THE GRADES AND STANDARDS FOR NURSERY PLANTS. PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. PLANT MATERIAL IN SOME INSTANCES EXCEED NO.1 GRADE IN ORDER TO MEET THE MINIMUM REQUIREMENTS OF THIS PROJECT.

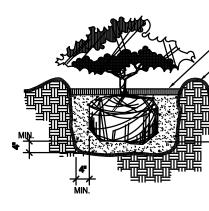


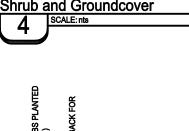


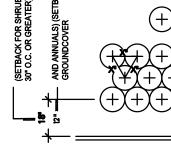


scape Bed Treatmen

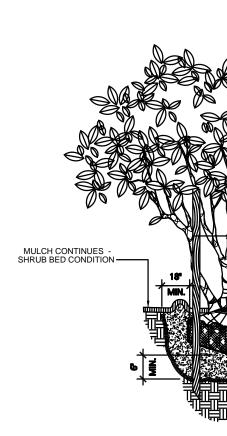
NOTE: CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS/BEDS PRIOR TO INSTALLATION











ORIGINAL SHEET - ARCH D

SOD (PROVIDE CLEAN, SMOOTH EDGE BETWEEN SOD AND MULCHED AREAS). 3" MULCH (SEE SPECIFICATIONS) COMPLETELY REMOVE EXISTING SOD AS REQUIRED PRIOR TO PLACING MULCH.

- PLANTING SOIL (FINE RAKED AND FREE OF WEEDS AND OTHER DELETERIOUS MATERIALS, SEE SPECIFICATIONS.

<u>/OTE:</u> ALL MULCH SHALL BE

PEST AND INSECT FREE

FINISHED GRADE TO ALLOW FOR MULCH TO BE FLUSH WITH TOP OF CURB 3" MULCH BED TO FINISH FLUSH WITH TOP OF CURB REFERENCE CIVIL DWGS. FOR CURB DETAIL FINISHED PAVEMEN

SUB-BASE

NOTE: PLANT MATERIAL SHALL BE PLANTED 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOT BALL - 3" MINIMUM OF MULCH ----- BERM SOIL TO HOLD WATER MINIMUM DEPTH OF 12 PLANTING SOIL FOR GROUNDCOVER BED - EXCAVATE ENTIRE BEI SPECIFIED FOR GROUND COVER BED.

(SEE GRADING PLAN PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHE GROUNDCOVERS AND SHRU

USED IN MASSES, ENTIRE BED TO BE EXCAVATED TO RECEIVE PLANTING SOIL AND PLANT MATERIAL - EXCEPT WHEN

 PROVIDE MIN. 24" SPACING WEEN DIFFERENT PLA LL SHRUBS AND GROUNDCO WASSES TO USE TRIANGULAR PACING EXCEPT WHERE NOTE REFER TO PLANT LIST FOR DIVIDUAL PLANT SPACING 'X' CURB OR EDGE OF

> NOTE: 1. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY THE LANDSCAPE CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

> > - (3) 2"X2"X8' STAKES MULCH TO BE KEPT 2

2" NYLON STRAPPING

FROM BASE OF TRUNK 3" MULCH AS SPECIFIED FINISHED GRADE - SOD CONDITION (SEE GRADING PLAN)

B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOI ROOT BALL REQUIREMENTS).

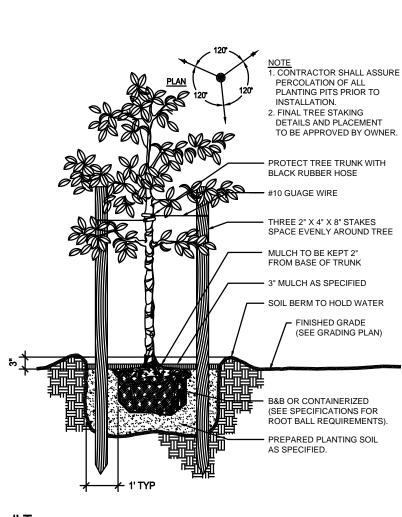
BERM SOIL TO HOLD WATER

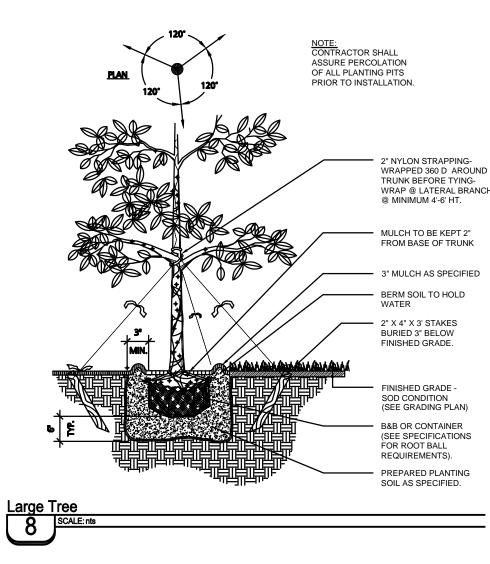
PREPARED PLANTING SOIL AS SPECIFIED

PLANT	SCHEDULE	

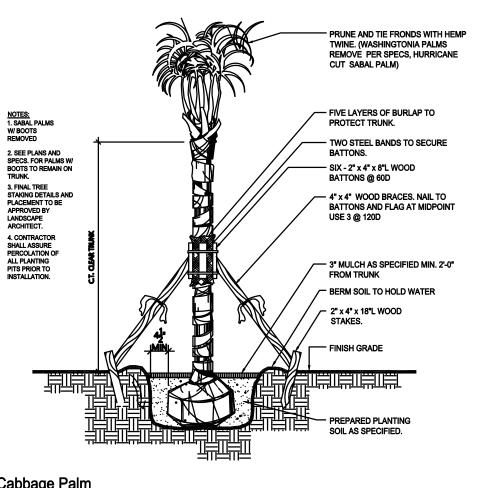
	Scientific Name	Common Name	Specification	Qty.
	TREES			
JC	Juniperous virginiana silicicola	Southern Red Cedar	10'-12' OA Ht. x 4' Spd., 3" Cal., Full	10
МС	Myrica cerifera	Wax Myrtle	6' OA Ht., Full, ML	4
MG	Magnolia grandiflora	Southern Magnolia	14'-16' OA Ht. x 5' Spr., 4" Cal., Full To Base	7
QV	Quercus virginiana	Live Oak	15' OA Ht. x 6' Spr., 4" Cal.	7
ТА	Taxodium distichum	Bald Cypress	12'-15' OA Ht. x 4' Spr., 3" Cal.	20
UA	Ulmus alata	Winged Elm	15' Ht. x 7' Spr., 4" Cal., 6' CT	6
	PALMS			
SBX	Sabal palmetto	Cabbage Palm	10', 12', 14' CT, Mix, HC, Slick, Curved (Provide pictures to LA for review)	5
SPX	Sabal palmetto	Cabbage Palm	10', 12', 14' CT, Mix, HC, Slick (CW to 6' below CT height)	55
	SHRUBS / GROUNDCOVERS			
ACD	Acrostichum danaeifolium	Leather Fern	7 Gal., 36" Ht. OA., Full	10
LAD	Lantana depressa	Florida Lantana	1 Gal., Full, 30" OC	650
LIS	Liatris spicata	Blazing Star Liatris	1 Gal., Full, 30" OC / Plant in clusters of 3-5 plants	154
MUH	Muhlenbergia capillaris	Muhly Grass	1 Gal., 12" OA., 30" OC	518
SPB	Spartina bakerii	Sand Cordgrass	1 Gal., 12" OA., 30" OC	865
TRD	Tripsacum dactyloides	Fakahatchee Grass	3 Gal., 18" OA, 48" OC	17
VIO	Viburnum obovatum 'Mrs Shillers Delight'	Mrs Shillers Delight Viburnum	3 Gal., 18" OA, 48" OC	273
VIS	Viburnum obovatum	Walters Viburnum	3 Gal., 24" OA, Space as indicated in plan	107
ZAM	Zamia pumila	Coontie	3 Gal., 18" OA, 36" OC	210
	OTHER			
SOD	Cynodon transvaalensis x C. dactylon	Tifway 419 Bermudagrass	Solid Sod, Sand Grown, Laid, Rolled, Free of Weeds and Pests	SF

All areas not receiving sod/seed per the civil/site plan are to receive mulch as chosen by the client/owner *Liatris clusters(3-5 plants per) are to be planted randomly throughout Muhly Grass planting beds. 5'-10' between clusters where possible (typ.)











SCHEDULES.

SLEEVE. COVERAGE.

IRRIGATION NOTES

1. ALL PROPOSED LANDSCAPING TO IRRIGATED BY A 100% AUTOMATIC SYSTEM. 2. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING PLANT

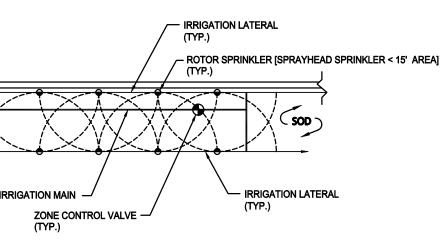
COMMUNITIES. 3. IRRIGATION SPRINKLER ZONES TO BE SEPERATE FOR HIGH AND LOW WATER REQUIREMENT PLANT AREAS AND OPERATED ON DIFFERENT WATERING

IRRIGATION OVERTHROW TO NON-PERVIOUS AND NATURAL AREAS TO MINIMIZED. 5. A RAIN SENSOR IS TO BE INSTALLED WITH THE IRRIGATION SYSTEM CONTROLLER. 6. IRRIGATION PIPINGTO BE LOCATED WITHIN PLANTING OR SODE AREAS WHEREVER FEASIBLE. PIPING UNDER ROADS TO BE INSTALLED WITHIN SCHEDULE 40 PVC

7. ALL TREE, SHRUB, AND GROUNDCOVER AREAS ARE TO BE FULLY IRRIGATED WITH DRIP / MICRO IRRIGATION, LOW-VOLUME EMITTERS. ALL SOD AREAS TO BE IRRIGATED WITH ROTOR OR SPRAY HEAD SPRINKLERS SPACED TO PROVIDE 100%

8. A "Y" TYPE FILTER SHALL BE INSTALLED AT THE HEAD END OF LOW VOLUME LINES AND IN-LINE PRESSURE REGULATORS TO REDUCE PRESSURE NO MORE THAN 15 PSI SHALL BE UTILIZED.

9. NON-POTABLE IRRIGATION LINES TO BE PURPLE IN COLOR.





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Legend

Notes

B Rev Plant Schedule ATO SAB 2013.01.09 YY.MM.DI Revision Appd. YY.MM.DI Issued File Name: ASM MLH SAB 2012.02.03 Dsgn. YY.MM.DD Chkd. Dwn.

> SCOTT A. BUTTARI, L.A FLORIDA LICENSE NO. 0001756

Client/Project

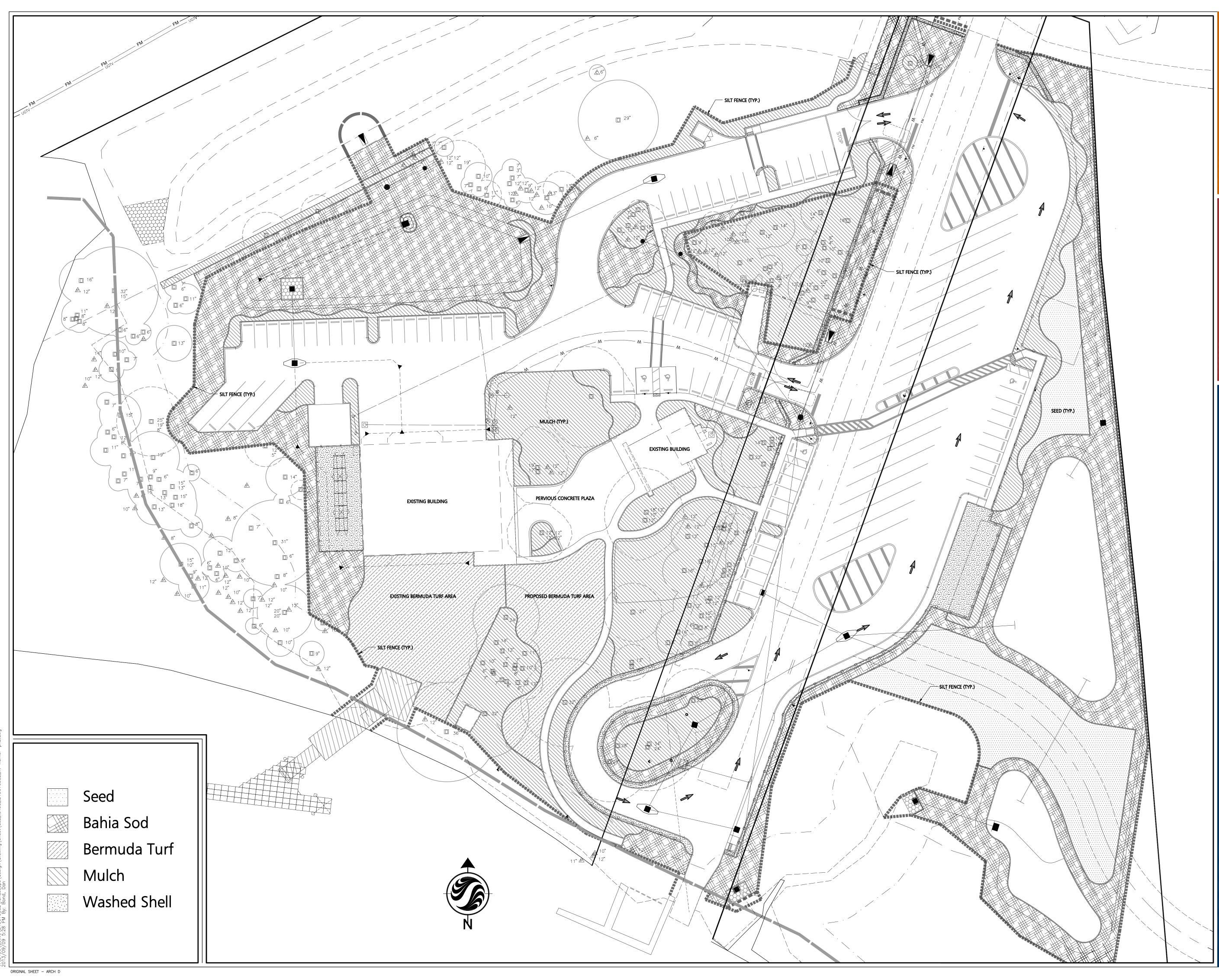
Manatee County Board of County Comissioners

Fort Hamer Park Phase II

Manatee County, Florida

Title LANDSCAPE **PLANTING NOTES & DETAILS**

Project No. Scale 15 30 215610582 Sheet Drawing No. P-60



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Manatee County Board of County Comissioners

Fort Hamer Park

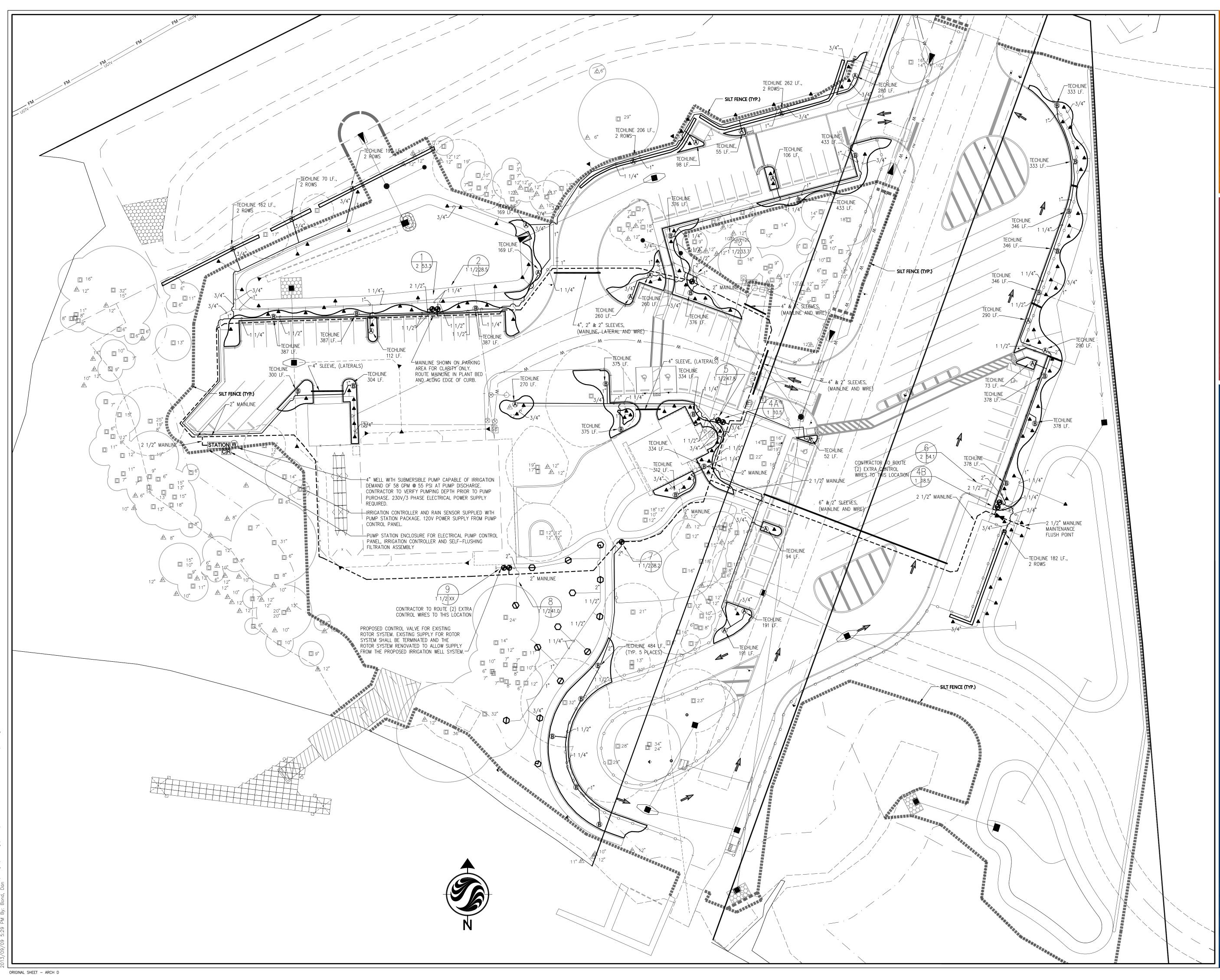
Manatee County, Florida

Title LANDSCAPE GROUNDCOVER / SURFACES PLAN

Project No. 215610582 Drawing No.

Scale 15 30 45 75 Sheet Revision

LS-401



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Fort Hamer Park

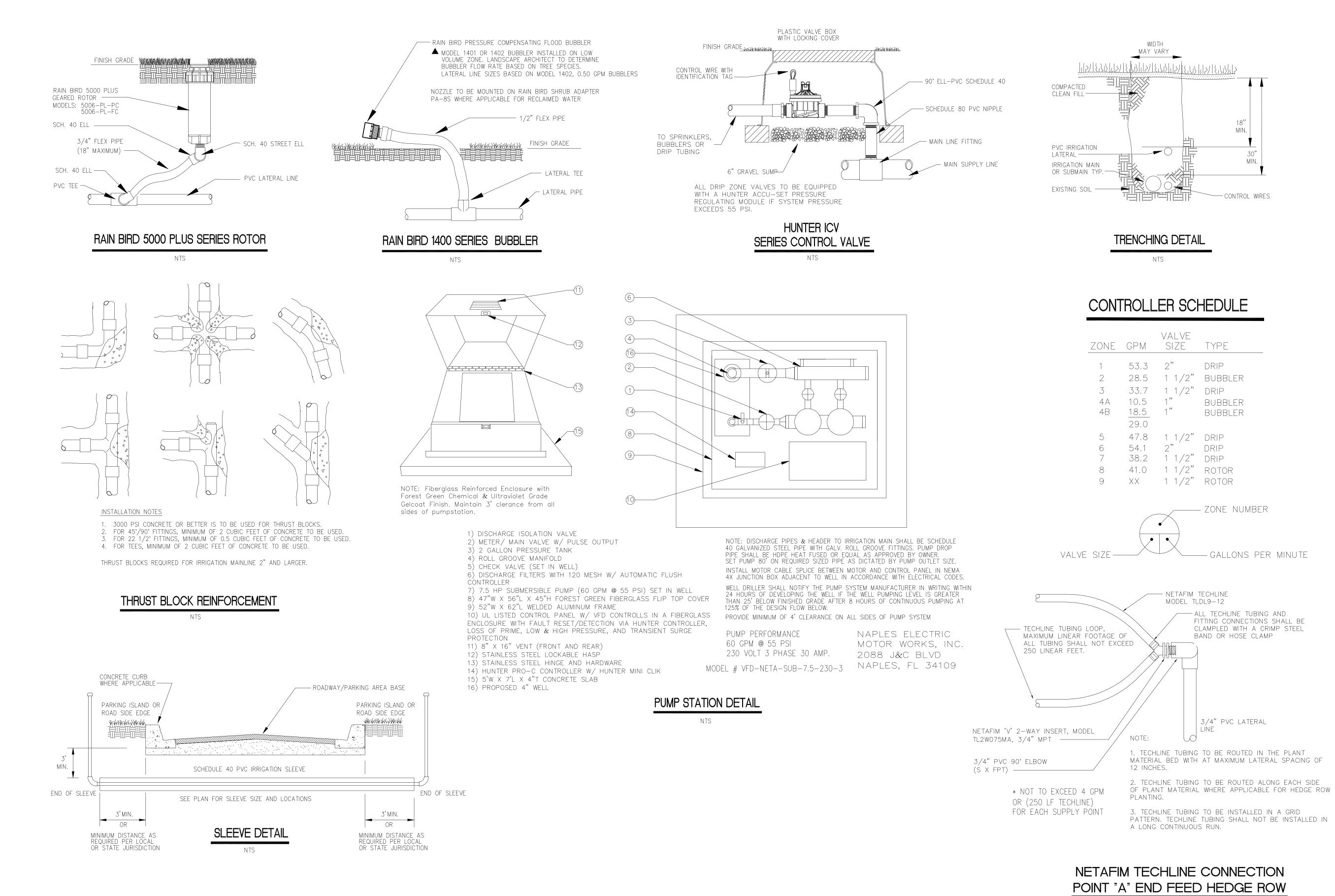
Manatee County, Florida

LANDSCAPE

Project No. 215610582 Drawing No.

Scale 15 30 45 75 Sheet Revision

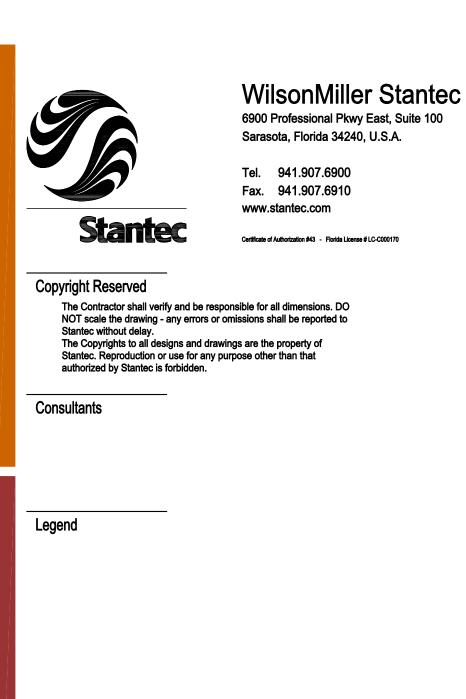
LI-101



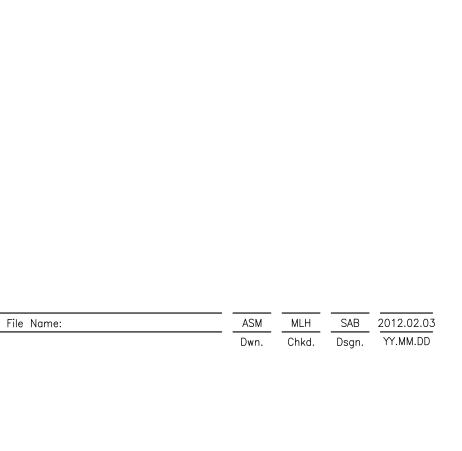
ORIGINAL SHEET - ARCH D

NE	GPM	VALVE SIZE	TYPE
A B	53.3 28.5 33.7 10.5 <u>18.5</u> 29.0	2" 1 1/2" 1 1/2" 1" 1"	DRIP BUBBLER DRIP BUBBLER BUBBLER
	47.8 54.1 38.2 41.0 XX	1 1/2" 2" 1 1/2" 1 1/2" 1 1/2"	DRIP DRIP DRIP ROTOR ROTOR
			ZONE NUM

NTS



Notes



SCOTT A. BUTTARI, L.A. FLORIDA LICENSE NO. 0001756

Client/Project

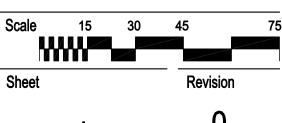
Manatee County Board of County Comissioners

Fort Hamer Park Phase II

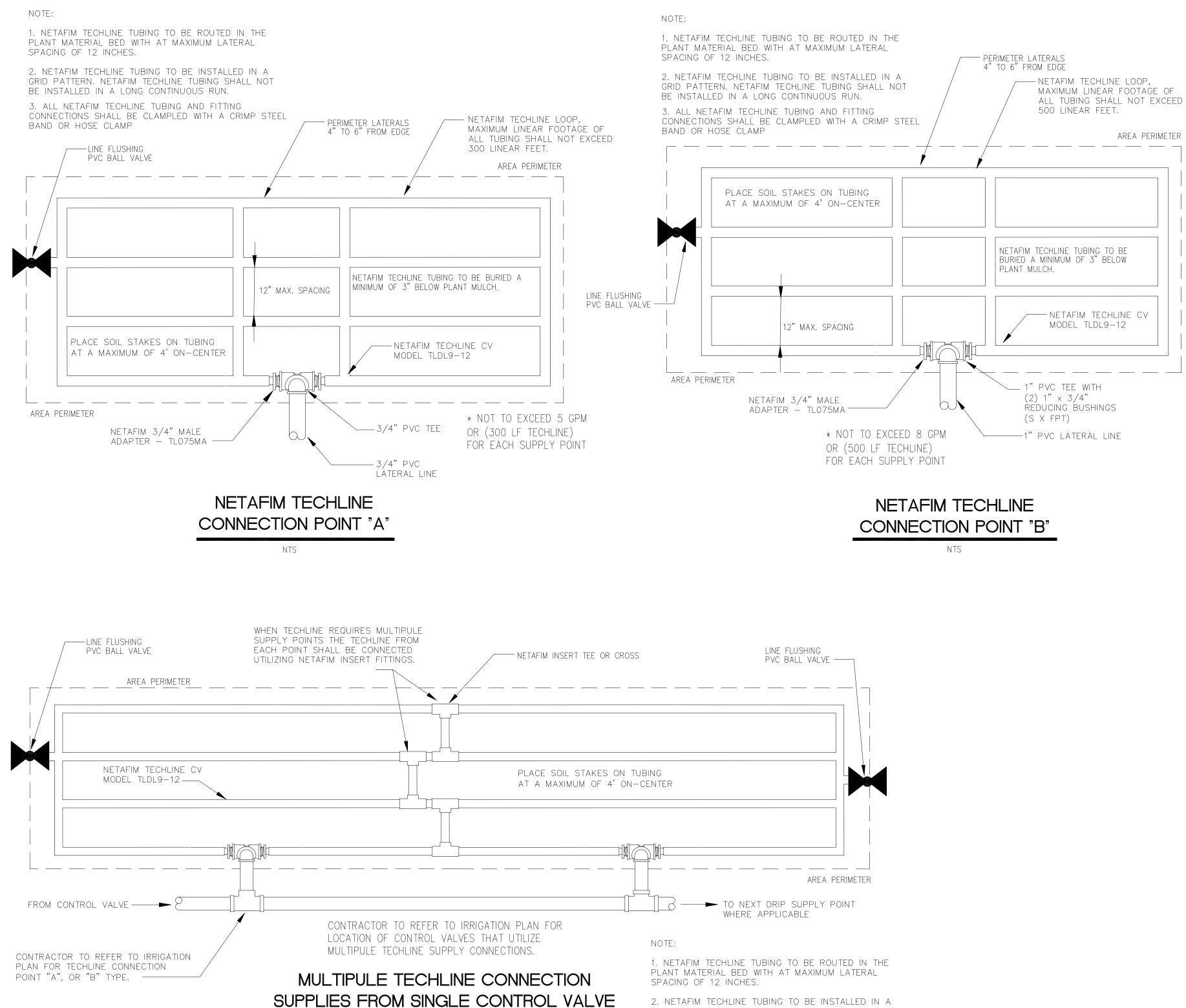
Manatee County, Florida

Title LANDSCAPE **IRRIGATION DETAILS**

Project No. 215610582 Drawing No.



LI-501



NTS

ORIGINAL SHEET - ARCH D

2. NETAFIM TECHLINE TUBING TO BE INSTALLED IN A GRID PATTERN. NETAFIM TECHLINE TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.

3. ALL NETAFIM TECHLINE TUBING AND FITTING CONNECTIONS SHALL BE CLAMPLED WITH A CRIMP STEEL BAND OR HOSE CLAMP

IRRIGATION LEGEND

	RAIN BIRD 1400 F
\bigcirc	RAIN BIRD 5000 F
\ominus	RAIN BIRD 5000 F
\bigcirc	RAIN BIRD 5000 F
С	HUNTER PRO-C S SUPPLIED WITH PL
R	HUNTER MINI-CLIK
\mathbf{O}	HUNTER ICV SERIE
(A)	NETAFIM TECHLINE
B	NETAFIM TECHLINE
	NETAFIM TECHLINE
(W)	4" WELL WITH SUE 60 GPM AT 55 PS
	GATE VALVE PER
	CLASS 200 PVC N
	CLASS 200 PVC L
	SCHEDULE 40 PV

IRRIGATION NOTES

- SHALL VERIFY.
- DRAWINGS.
- 4) LOCATE AS NOTED ON PLANS.
- 5) ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED. 6)

7)

10)

11)

13)

15)

THE HEAD LAYOUT HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE HEAD LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

- 8) OR 12" IF PAVEMENT HAS NO CURB.
- 9) WITH LOCKING LID.

VERIFY WELL STATION LOCATION, CONTROLLER LOCATION AND ELECTRICAL POWER LOCATION AT PROJECT SITE WITH OWNER.

- 12)
 - AS FOLLOWS: CONTROL WIRES - #14-1 RED COMMON WIRE - #14-1 WHITE
- 14)

PC SERIES BUBBLER

- PLUS ROTOR, 5006-PL-PC-2.0 NOZZLE, 90° ADJUSTABLE PLUS ROTOR, 5006-PL-PC-3.0 NOZZLE, 180° ADJUSTABLE PLUS ROTOR, 5006-PL-FC-6.0 NOZZLE, 360° FULL CIRCLE SERIES CONTROLLER MODEL PC-900, CONTROLLER UMP STATION PACKAGE IK RAIN SENSOR, SUPPLIED WITH PUMP STATION PACKAGE
- IES ELECTRIC CONTROL VALVE
- E SUPPLY POINT OF CONNECTION 'A'
- E SUPPLY POINT OF CONNECTION 'B'
- E, MODEL TLDL9-1210
- IBMERSIBLE PUMP TO MEET IRRIGATION DEMAND OF PSI DISCHARGE
- LINE SIZE
- MAINLINE, SOLVENT WELD
- LATERAL LINE, SOLVENT WELD
- VC SLEEVE

VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE PROJECT MANAGER AND THE LANDSCAPE ARCHITECT. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR

ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. IRRIGATION COMMUNICATION CABLE SHALL HAVE ITS OWN SEPARATE SLEEVE. LATERAL LINES THEY SHALL BE CONTAINED WITHIN THEIR OWN SLEEVE WHERE SHOWN ON THE PLAN.

ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF EACH SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT"

MAINLINE AND VALVES ARE SHOWN IN SCHEMATIC FORM.

LOCATE ALL VALVES A MINIMUM OF 24" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.

SET SPRAY HEADS 3" AND ROTORS 6" IN FROM BACK OF CURB

ALL VALVES SHALL BE INSTALLED IN A CARSON VALVE BOX

IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.

ELECTRICAL SERVICE TO THE PUMP STATION PANEL SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.

ALL 24 VAC WIRING SHALL BE OF DIRECT BURIAL COPPER WIRE

DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM, VALVES SHALL BE WIRED TO THE CONTROLLER STATION AS PER THE IRRIGATION ZONE NUMBERS.

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



WilsonMiller Stantec 6900 Professional Pkwy East, Suite 100

Tel. 941.907.6900 Fax. 941.907.6910 www.stantec.com

Certificate of Authorization #43 - Florida License # LC-C000170

Sarasota, Florida 34240, U.S.A.

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The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultants

Legend

Notes

ASM MLH SAB 2012.02.03 Dwn. Chkd. Dsgn. YY.MM.DD

SCOTT A. BUTTARI, L.A. FLORIDA LICENSE NO. 0001756

Client/Project

File Name:

Manatee County Board of County Comissioners

Fort Hamer Park Phase II

Manatee County, Florida

LANDSCAPE **IRRIGATION DETAILS & NOTES**

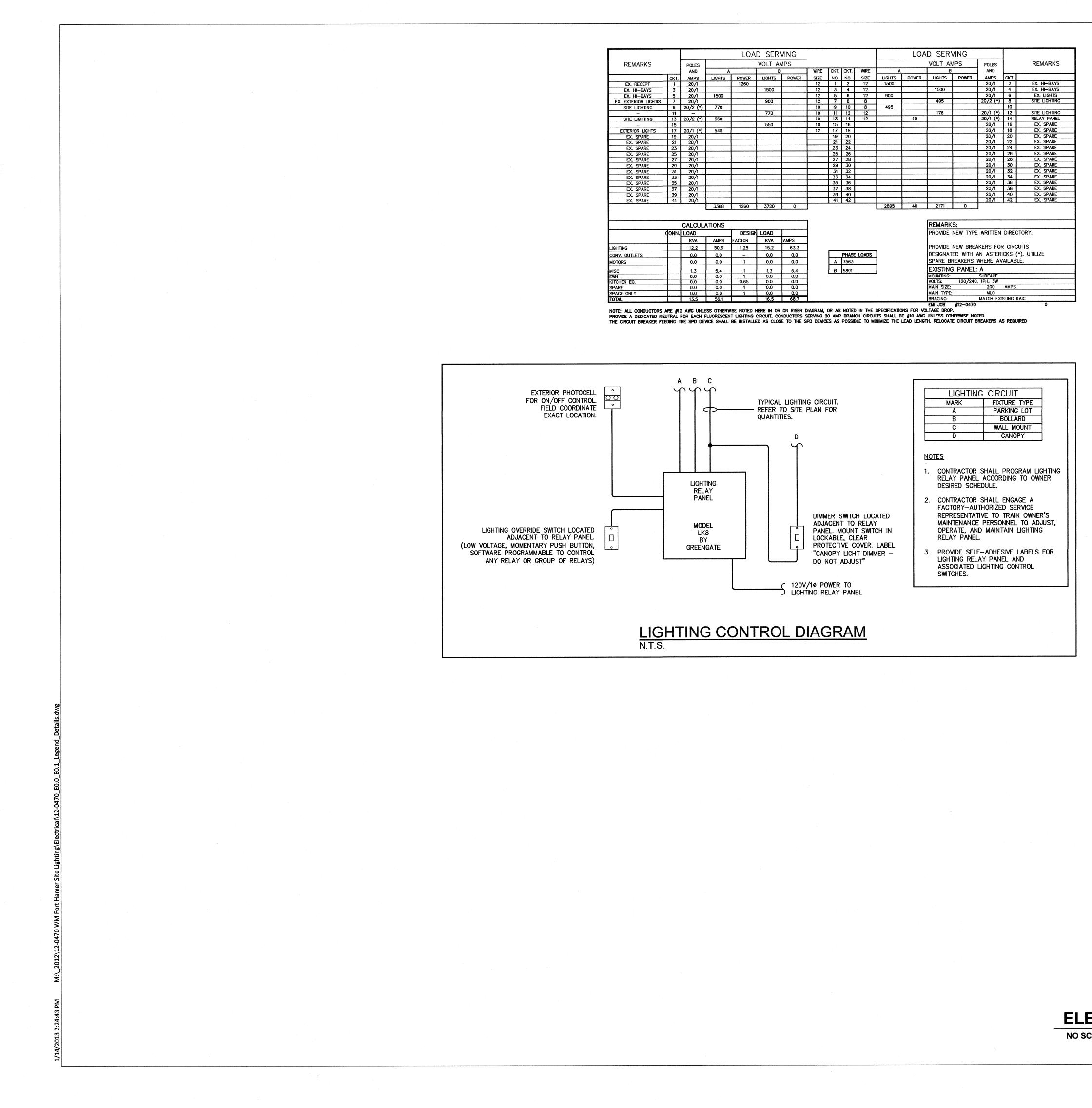
Project No. 215610582

Title

Scale 15 30 45 - 75 Sheet Revision

LI-502

Drawing No.



NO SCALE

GENERAL NOTES ELECTRICAL

1. DO NOT SCALE FROM THESE DRAWINGS.

2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

3. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES TO ASSURE PROPER CLEARANCES FOR EQUIPMENT AND TO KEEP THE JOB PROGRESSING.

4. ALL EXTERIOR WIRING DEVICES TO BE WEATHERPROOF AND SHALL BE G.F.I. TYPE. 5. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NEC AND FOR COORDINATION WITH OTHER DISCIPLINES.

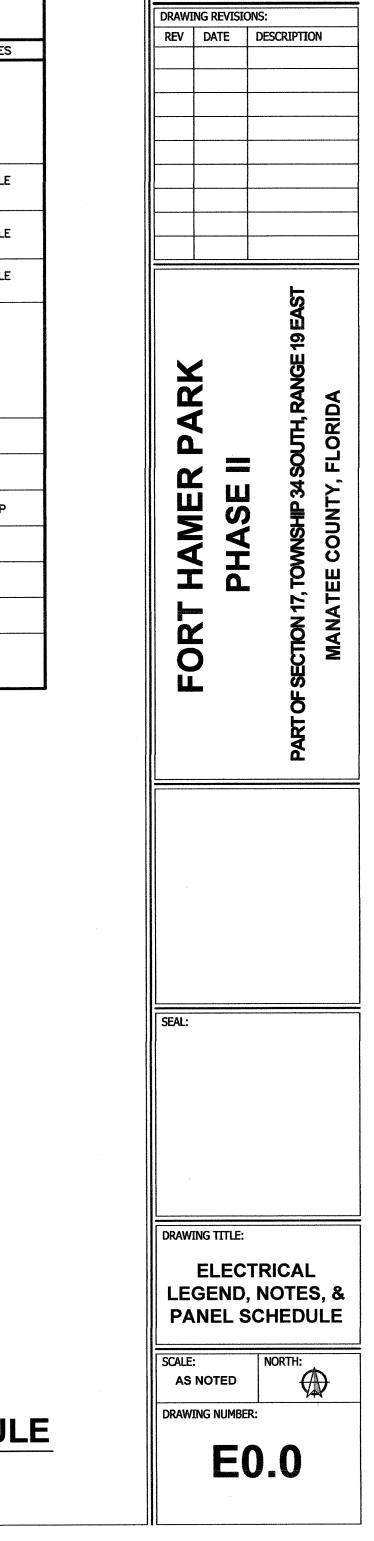
6. ALL H.I.D. AND FLUORESCENT LIGHT FIXTURES SHALL BE FURNISHED WITH INTEGRAL FUSING.

7. COORDINATE EXACT LOCATIONS OF ALL ITEMS INSTALLED ON SITE WITH CIVIL ENGINEER. 8. USE 10 AWG CU. CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET, UNLESS OTHERWISE NOTED ON SITE PLAN. USE 10 AWG CU. CONDUCTORS FOR 20 AMPERE, 277 VOLT BRANCH CIRCUITS LONGER THAN 200 FEET, UNLESS OTHERWISE NOTED ON SITE PLAN.

9. ALL SITE LIGHTING POLES AND POLE BASES SHALL BE CAPABLE OF SUPPORTING THE ENTIRE WEIGHT AND WIND LOADS OF THE ENTIRE LIGHTING SYSTEM. SHOP DRAWINGS MUST INCLUDE DRAWINGS OF THE ENTIRE ASSEMBLY FOR EACH OF THE MOUNTING CONFIGURATIONS USED. DRAWINGS MUST BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER AND DESIGNED TO THE FLORIDA BUILDING CODE WIND LOAD REQUIREMENTS FOR THE PROJECT SITE.

	ELECTRICAL SYMBOL LEGEND					
SYMBOL	DESCRIPTION	MOUNTING AND NOTES				
	TYPICAL LIGHTING SYMBOL NOTES: 1. UPPER CASE LETTER DENOTES FIXTURE TYPE, SEE FIXTURE SCHEDULE 2. LOWER CASE LETTER DENOTES SWITCHED LEG 3. SHADED FIXTURE SYMBOL INDICATES EMERGENCY FIXTURE 4. 'NL' DENOTES NIGHT LIGHT CIRCUIT					
0-	POLE MOUNTED LIGHT FIXTURE. REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.	SEE FIXTURE SCHEDULE				
	WALL MOUNTED LIGHT FIXTURE. REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.	SEE FIXTURE SCHEDULE				
0	SURFACE MOUNTED LIGHT FIXTURE. REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.	SEE FIXTURE SCHEDULE				
	TYPICAL RECEPTACLE, OUTLET AND JUNCTION BOX SUFFIX LEGEND: WP = WEATHERPROOF GFI = GROUND FAULT INTERRUPTER UP = UP (CONDUIT) DN = DOWN (CONDUIT) E = EXISTING					
¢	DUPLEX RECEPTACLE (20A, 120V).	M.H. 16" AFF U.O.N.				
J	JUNCTION OR OUTLET BOX, 4" SQUARE BOX U.O.N.	AS NOTED				
	PANELBOARD, 120/240V., 1 PH., 3W	6'-6"AFF MIN. TO TOP				
o _{UP}	RACEWAY RISER, UP OR DOWN AS NOTED.	SEE SPECIFICATIONS				
	RACEWAY CONCEALED UNDER FLOOR, IN SLAB OR BELOW GRADE	SEE SPECIFICATIONS				
\frown	RACEWAY CONCEALED IN WALL OR CEILING	SEE SPECIFICATIONS				
L1B-1,3	HOMERUN TO PANEL, LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUITS.	SEE SPECIFICATIONS				

NOTE: NOT ALL SYMBOLS SHOWN IN THIS LEGEND MAY NECESSARILY APPEAR IN THESE DOCUMENTS. ADDITIONAL SYMBOLS MAY BE DEFINED ELSEWHERE IN SPECIFIC DRAWINGS.



ENGINEERING MATRIX, INC

CONSULTING ENGINEERS

2860 SCHERER DRIVE, SUFE DO

ST. PETERSBURG, FLORIDA 63716

PH 1727)573-4656 F. (727)573-3902

TEPOM

FINAL SITE PLAN

CONSTRUCTION DOCUMENTS

12-0470

ISSUE DATE: EMI JOB NO.

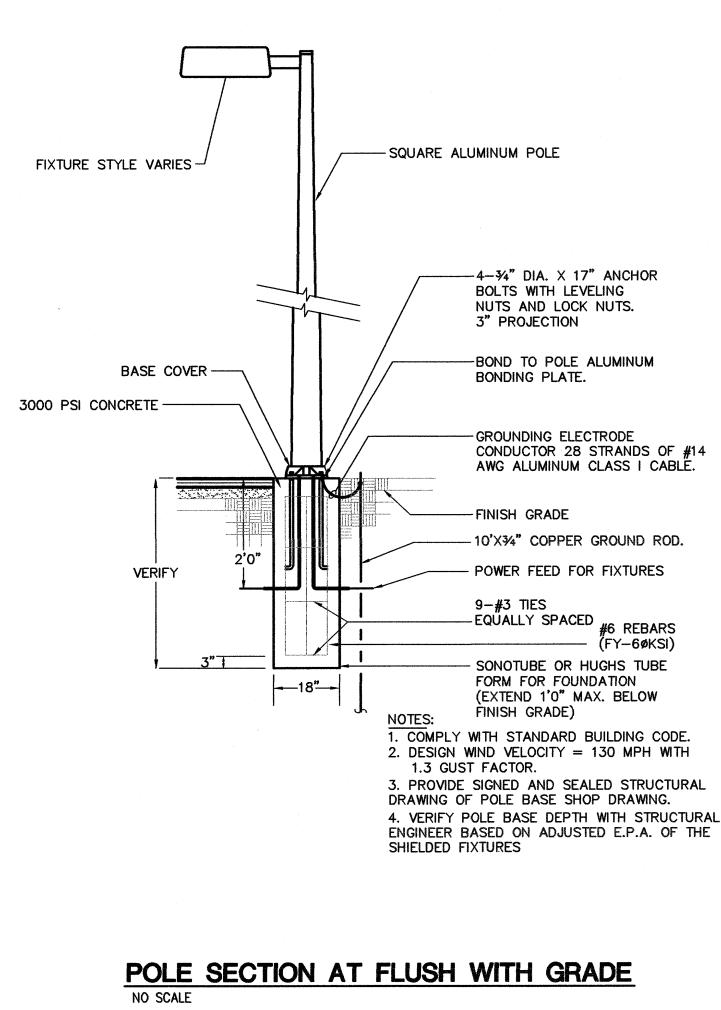
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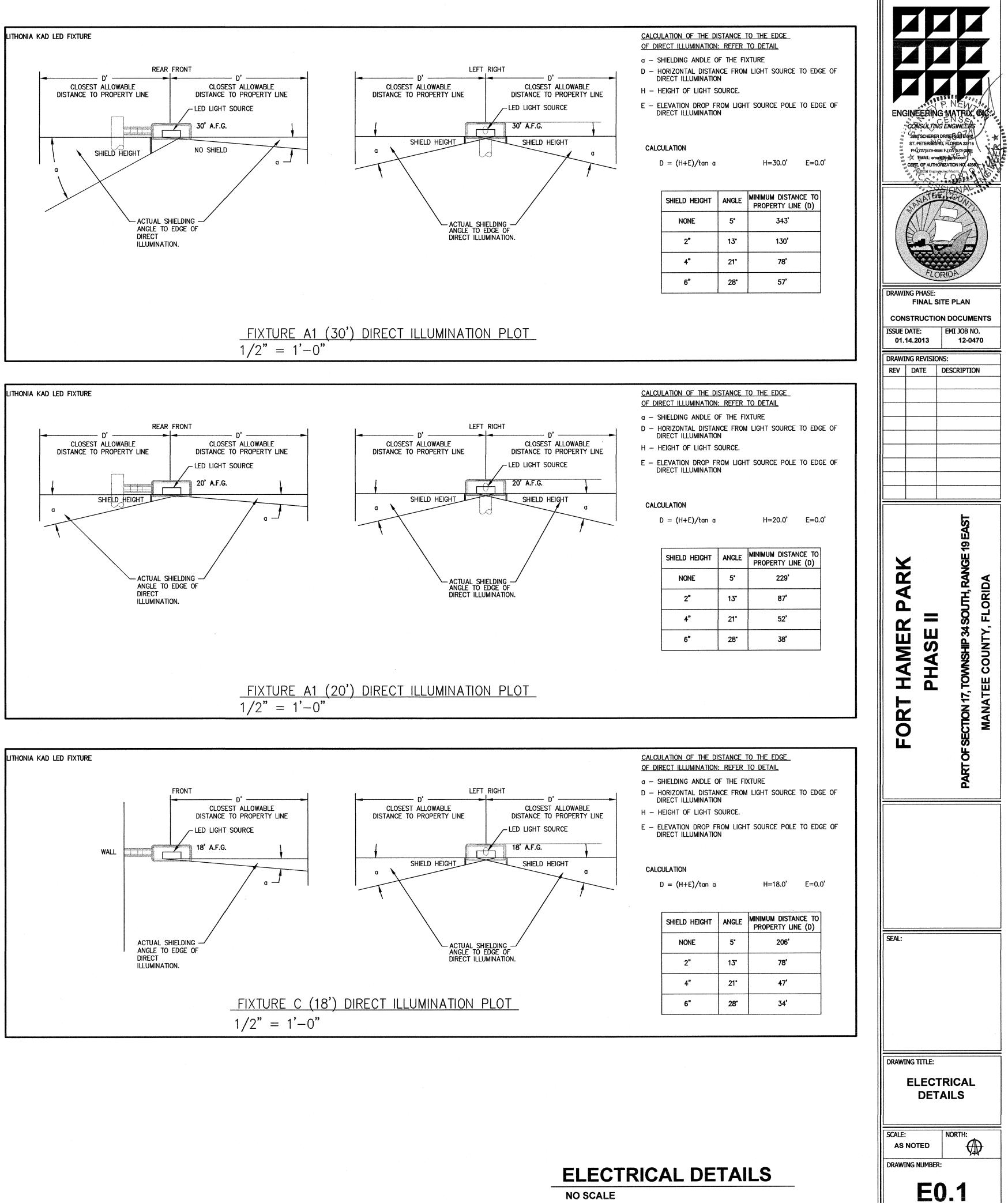
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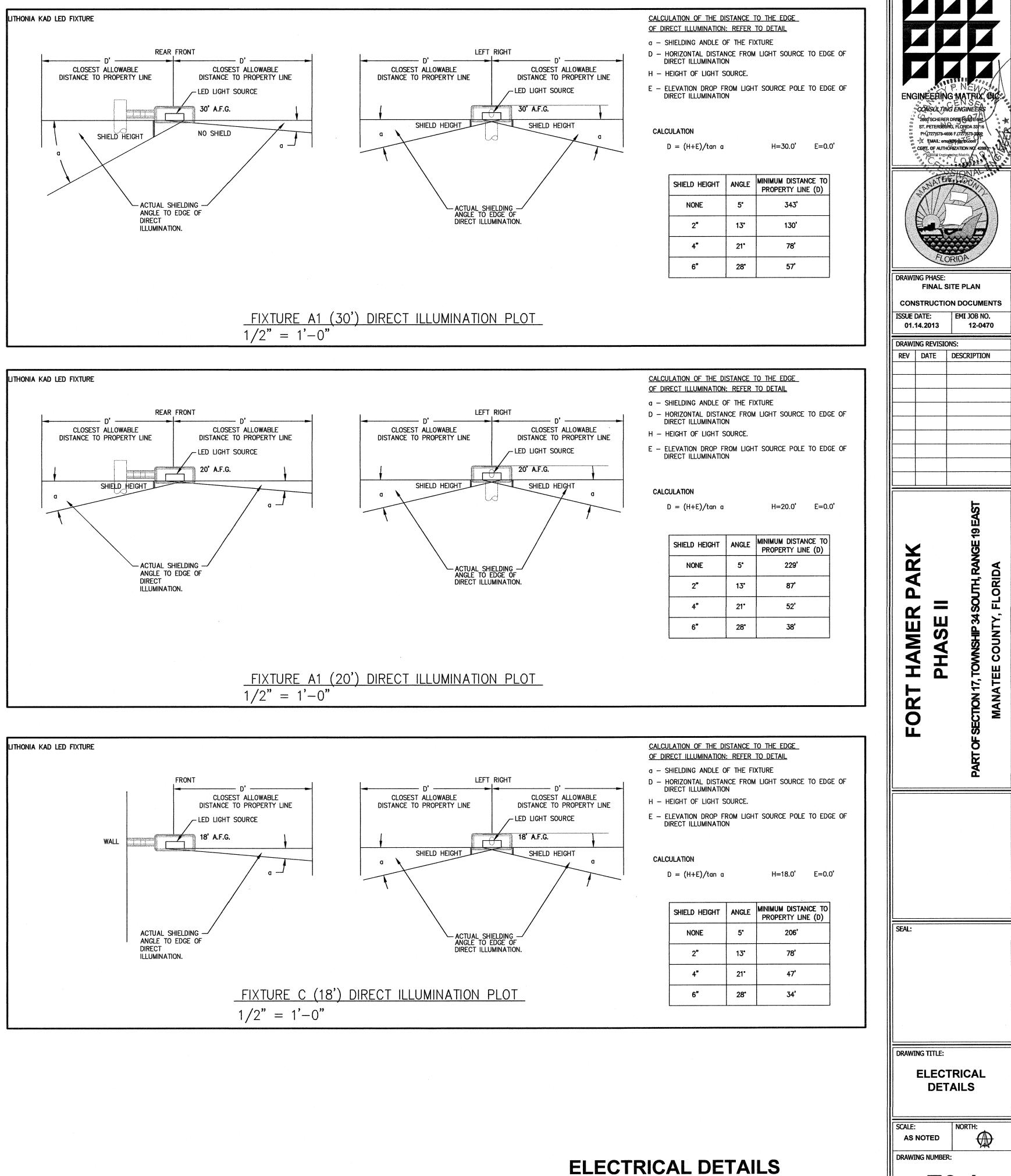
ERT. OF AUTHORIZATION NO. 4288

ELECTRICAL LEGEND, NOTES, AND PANEL SCHEDULE

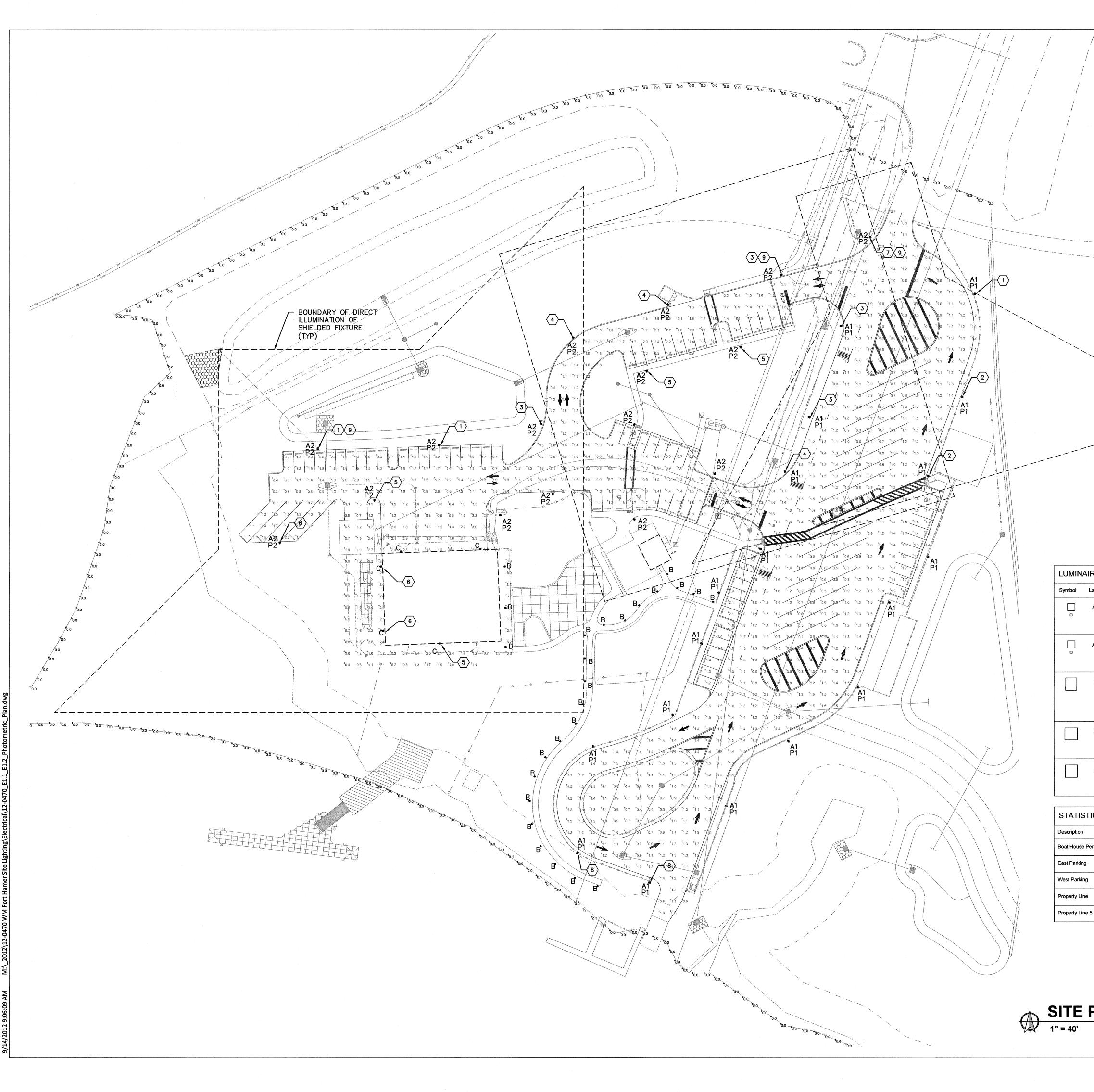
		LIGHT FIXT	r				
TYPE	MANUFACTURER	CATALOG NUMBER	LAM QTY	IPS TYPE	VOLTS	MOUNTING	REMARKS
POLE 1	HAPCO OR EQUAL	SSA30F6-4-BM				CONCRETE BASE	30' SQUARE STRAIGHT ALUMINUM POL WITH .25" WALL THICKNESS AND DAR BRONZE POWDER COAT FINISH. PROVIDE POLES FOR PARKING LOT LIGHTS AS REQUIRED. PROVIDE ALL COMPONENTS FOR MOUNTING FIXTURE REFER TO POLE BASE DETAIL FOR MORE INFORMATION.
POLE 2	HAPCO OR EQUAL	SSA20F4-4-BM				CONCRETE BASE	20' SQUARE STRAIGHT ALUMINUM POI WITH .25" WALL THICKNESS AND DAR BRONZE POWDER COAT FINISH. PROVIDE POLES FOR PARKING LOT LIGHTS AS REQUIRED. PROVIDE ALL COMPONENTS FOR MOUNTING FIXTURE REFER TO POLE BASE DETAIL FOR MORE INFORMATION.
A1	LITHONIA	KAD-LED-1-63B530-40K- SR3-MVOLT-SPD-SF-DDBXD	63	LED 4000K 8988 LM 110 W	240V	4" ARM MOUNT TO 30' POLE	DIE-CAST CONTOURED ALUMINUM LED FIXTURE WITH TYPE 3 DISTRIBUTION AND DARK BRONZE FINISH. PROVIDE 4" SQUARE POLE MOUNTING ARM AND FUSING. PROVIDE SHIELDS AS NOTED ON PLAN.
A2	LITHONIA	KAD-LED-1-63B350-40K- SR3-MVOLT-SPD-SF-DDBXD	63	LED 4000K 6661 LM 74 W	240V	4" ARM MOUNT TO 20' POLE	DIE-CAST CONTOURED ALUMINUM LED FIXTURE WITH TYPE 3 DISTRIBUTION AND DARK BRONZE FINISH. PROVIDE 4" SQUARE POLE MOUNTING ARM AND FUSING. PROVIDE SHIELDS AS NOTED ON PLAN.
В	STONELIGHT	8" SQUARE GRANADA CAP - COLOR "WHEAT"	1	LED 8 W	120V	CONCRETE BASE	CONCRETE BOLLARD WITH 8 WATT LED FIXTURE AND INTEGRAL DRIVER. PROVIDE FUSING. PROVIDE CONCRETE BASE PER MANUFACTURER'S REQUIREMENTS.
С	LITHONIA	KAD-LED-1-63B350-40K- SR3-MVOLT-WBD-SF-DDBXD	63	LED 4000K 6661 LM 74 W	120V	9" ARM AND BRACKET MOUNTED TO WALL AT 18' AFG	DIE-CAST CONTOURED ALUMINUM LEE FIXTURE WITH TYPE 3 DISTRIBUTION AND DARK BRONZE FINISH. PROVIDE WALL BRACKET AND FUSING. PROVIDE SHIELDS AS NOTED ON PLAN.
D	LITHONIA	KACM-LED-1-49B350-40K- SR4-MVOLT-SF-DMG-VG-DDBXD	49	LED 4000K 4762 LM 59 W	120V	SURFACE MOUNT TO UNDERSIDE OF CANOPY	DIE-CAST ALUMINUM OUTDOOR LED FIXTURE WITH TYPE 4 DISTRIBUTION AND DARK BRONZE FINISH. PROVIDE DIMMING DRIVER, VANDAL GUARD, AND FUSING. PROVIDE SHIELDS AS NOTED ON PLAN.
	FIXTURE STYLE			S0	UARE	ALUMINUM	POLE







NO SCALE



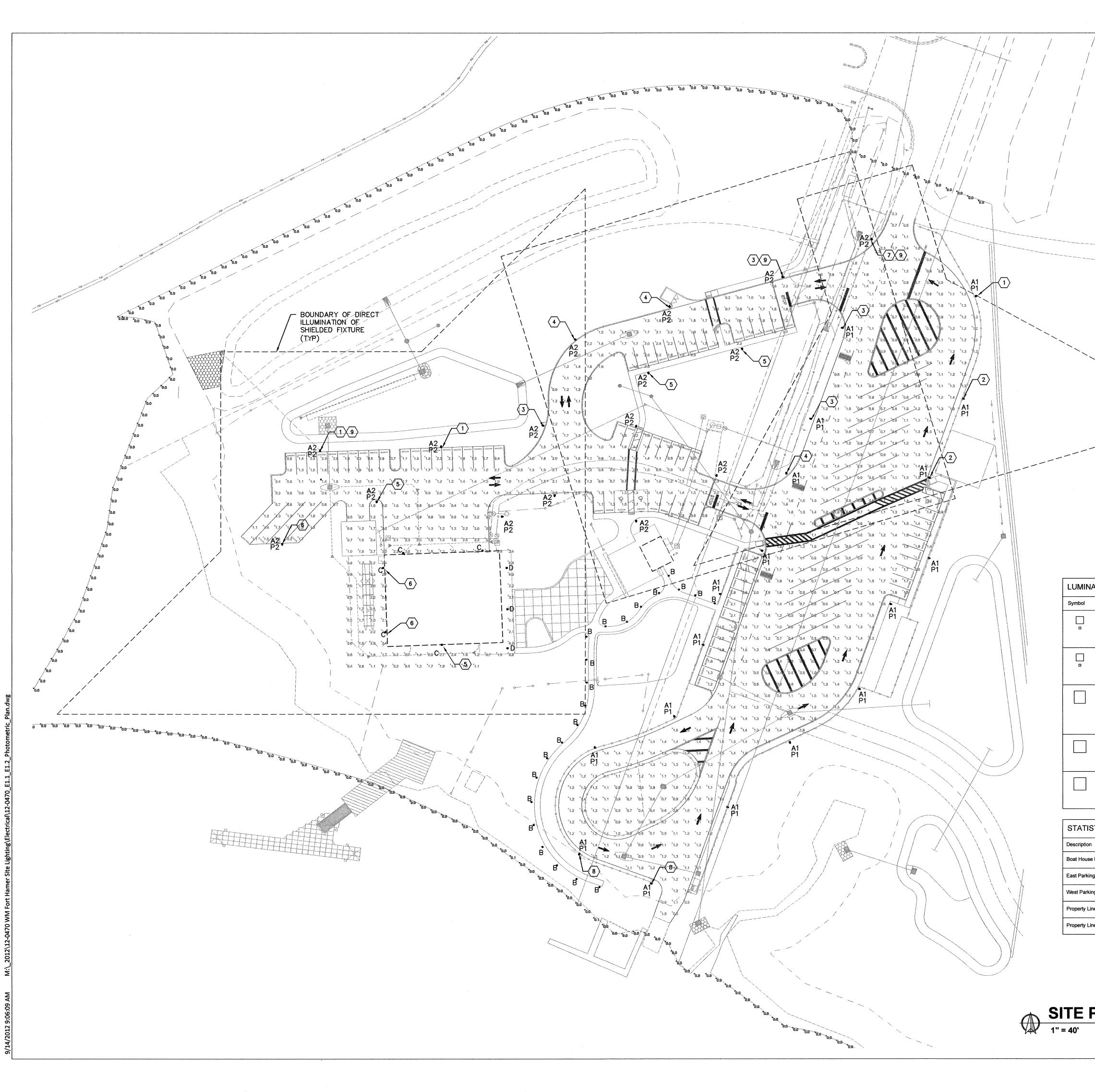
GENERAL NOTES
 DIRECT ILLUMINATION PLOTS SHOWN ONLY FOR WORST-CASE FIXTURES FOR CLARITY. REFER TO CALCULATION DETAILS FOR ADDITIONAL INFORMATION. PROPERTY LINE LOCATION AND ROUTING BASED UPON CIVIL PLANS. REFER TO CIVIL PLANS FOR ADDITIONAL PROPERTY LINE INFORMATION.
KEYED NOTES
 PROVIDE 2" HOUSE SIDE SHIELD AND 2" LEFT SIDE SHIELD. PROVIDE 2" LEFT SIDE SHIELD AND 2" FRONT SIDE SHIELD. PROVIDE 2" HOUSE SIDE SHIELD AND 2" RIGHT SIDE SHIELD. PROVIDE 2" HOUSE SIDE SHIELD. PROVIDE 2" FRONT SIDE SHIELD. PROVIDE 2" RIGHT SIDE SHIELD. PROVIDE 2" RIGHT SIDE SHIELD. PROVIDE 2" HOUSE SIDE SHIELD. PROVIDE 2" HOUSE SIDE SHIELD. PROVIDE 2" RIGHT SIDE SHIELD. PROVIDE 2" HOUSE SIDE SHIELD.
 8 PROVIDE 6" HOUSE SIDE SHIELD. 9 DIRECT ILLUMINATION PLOT SHOWN FOR THIS FIXTURE.

IRE S	CHED	OULE						
Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
A1	18	KAD LED 1 63B530/40K SR3	KAD LED WITH HLM MODULE, 63 LED's, 530mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 3 LENS	ONE 110-WATT LED, DOWNLIGHTPOS.	KAD_LED_1_6 3B530_40K_S R3.ies	Absolute	0.81	110.9
A2	16	KAD LED 1 63B350/40K SR3	KAD LED WITH HLM MODULE, 63 LED's, 350mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 3 LENS	ONE 74-WATT LED, DOWNLIGHTPOS.	KAD_LED_1_6 3B350_40K_S R3.ies	Absolute	0.81	74.5
В	22	SL1-18LED-5100K	SITE LITEFORM LED DIE CAST ALUMINUM UPPER HOUSING AND RISER. LED BOARDS AND BRACKETS MOUNTED IN HOUSING. CLEAR FLAT GLASS LENS	18 CONSTANT CURRENT DIODES. 5100K	sl1-18l5k.ies	Absolute	0.81	19.6
С	5	KAD LED 1 63B350/40K SR3	KAD LED WITH HLM MODULE, 63 LED's, 350mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 3 LENS	ONE 74-WATT LED, DOWNLIGHTPOS.	KAD_LED_1_6 3B350_40K_S R3.ies	Absolute	0.81	74.5
D	3	KACM LED 1 49B350/40K SR4	KACM LED WITH HLM MODULE, 49 LED's, 350mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 4 LENS	ONE 59-WATT HLM LED, DOWNLIGHTPOS.	KACM_LED_1 _49B350_40K_ 	Absolute	0.81	59.04

ICS					
	Symbol	Avg	Мах	Min	Max/Min
erimeter	+	1.9 fc	6.8 fc	0.2 fc	34.0:1
	+	1.2 fc	2.3 fc	0.3 fc	7.7:1
	Ŧ	1.4 fc	2.4 fc	0.2 fc	12.0:1
er han en en den make protecten den den den de	÷	0.0 fc	0.1 fc	0.0 fc	N/A
5 FT AFG	+	0.0 fc	0.1 fc	0.0 fc	N/A
	t , the second second				,

SITE PHOTOMETRIC PLAN - FC VALUES AT 0' AFG

2000 SULTIN 2000 SCHERED ST. PETERSBU PH. (727) 573-40	GUMAINEDS INC. GUMAINEDS INC. IG ENGINEETICS ROBIVE SUITE 640 RG, FLORIDA 33270 SSGT (7)2X1573-3300 all@engintx.com ORIZATION NOT 4289 Research Andre Vol-
	SITE PLAN ON DOCUMENTS EMI JOB NO. 12-0470 DNS: DESCRIPTION
	E 19 EAST
FORT HAMER PARK PHASE II	PART OF SECTION 17, TOWNSHIP 34 SOUTH, RANGE 19 EAST MANATEE COUNTY, FLORIDA
SEAL:	
	TRICAL PLAN
SCALE: AS NOTED DRAWING NUMBER	NORTH:



GENERAL NOTES				
1. DIRECT ILLUMINATION PLOTS SHOWN ONLY FOR WORST-CASE FIXTURES FOR CLARITY. REFER TO CALCULATION DETAILS FOR ADDITIONAL INFORMATION.				
2. PROPERTY LINE LOCATION AND ROUTING BASED UPON CIVIL PLANS. REFER TO CIVIL PLANS FOR ADDITIONAL PROPERTY LINE INFORMATION.				
KEYED NOTES				
1 PROVIDE 2" HOUSE SIDE SHIELD AND 2" LEFT SIDE SHIELD.				
$\langle 2 \rangle$ provide 2" left side shield and 2" front side shield.				
3 PROVIDE 2" HOUSE SIDE SHIELD AND 2" RIGHT SIDE SHIELD.				
$\langle 4 \rangle$ provide 2" house side shield.				
5 PROVIDE 2" FRONT SIDE SHIELD				
6 PROVIDE 2" RIGHT SIDE SHIELD.				
7 PROVIDE 2" HOUSE SIDE SHIELD, 2" LEFT SIDE SHIELD, AND 2" RIGHT SIDE SHIELD.				
8 PROVIDE 6" HOUSE SIDE SHIELD.				
9 DIRECT ILLUMINATION PLOT SHOWN FOR THIS FIXTURE.				

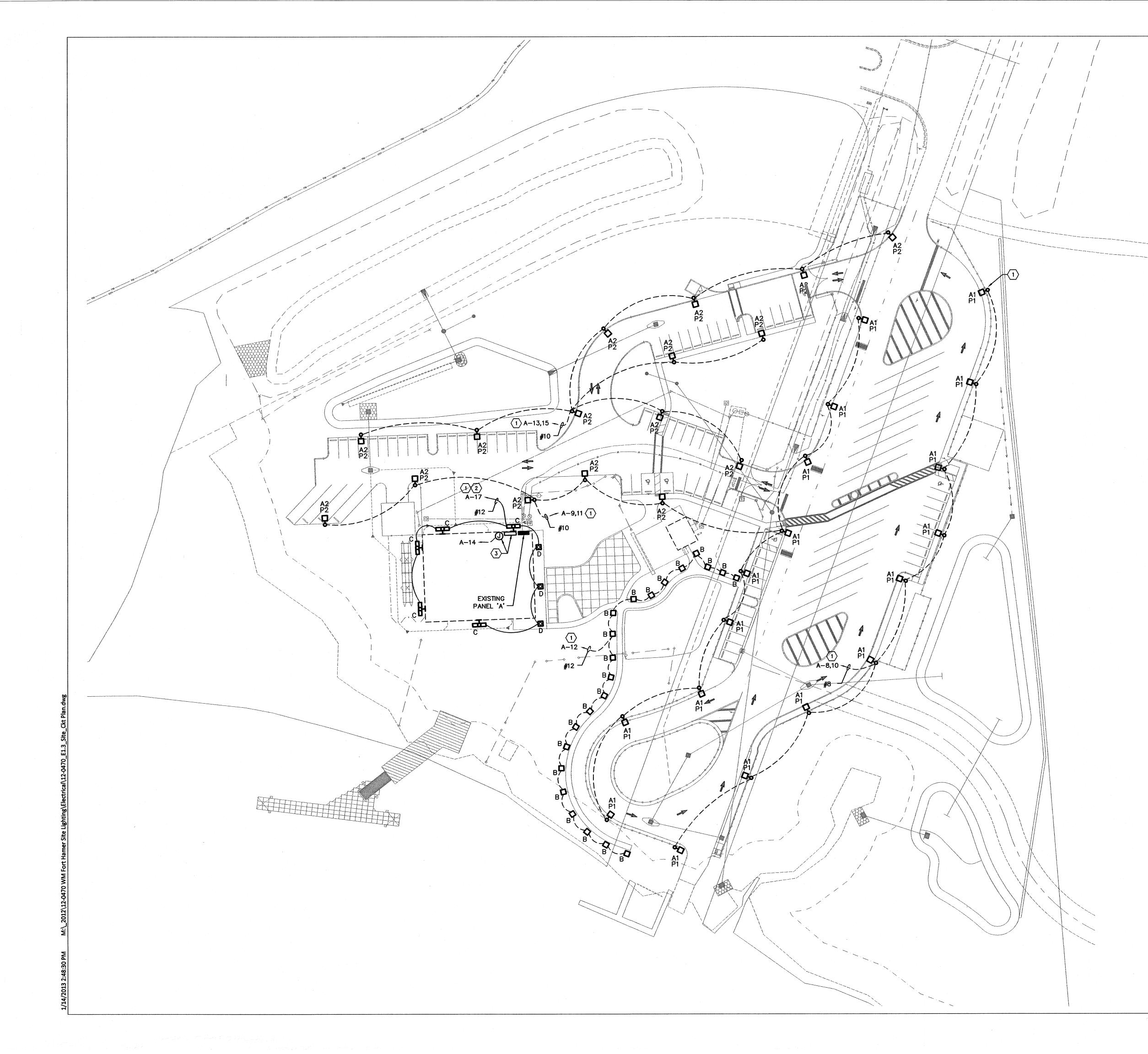
DRAWING PI	ERING N SUL TIAGE SCHERER DRN ETERSPORG B T277573-4656 F.(MAIL: omail@op OF AUTHORIZ BOL2 Engineering Continuering Contin	E PLAN
ISSUE DATE 01.14.20 DRAWING R REV DA	D13 EVISIONS:	MI JOB NO. 12-0470 SCRIPTION
HAMER PARK	PHASE II	PART OF SECTION 17, TOWNSHIP 34 SOUTH, RANGE 19 EAST MANATEE COUNTY, FLORIDA
FORT		PART OF SECTION 17, TO MANATER
SEAL: DRAWING T		

LUMINAIRE SCHEDULE

Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts	
A1	18	KAD LED 1 63B530/40K SR3	KAD LED WITH HLM MODULE, 63 LED's, 530mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 3 LENS	ONE 110-WATT LED, DOWNLIGHTPOS.	KAD_LED_1_6 3B530_40K_S R3.ies	Absolute	0.81	110.9	
A2	16	KAD LED 1 63B350/40K SR3	KAD LED WITH HLM MODULE, 63 LED's, 350mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 3 LENS	ONE 74-WATT LED, DOWNLIGHTPOS.	KAD_LED_1_6 3B350_40K_S R3.ies	Absolute	0.81	74.5	
В	22	SL1-18LED-5100K	SITE LITEFORM LED DIE CAST ALUMINUM UPPER HOUSING AND RISER. LED BOARDS AND BRACKETS MOUNTED IN HOUSING. CLEAR FLAT GLASS LENS	18 CONSTANT CURRENT DIODES. 5100K	si1-18l5k.ies	Absolute	0.81	19.6	
С	5	KAD LED 1 63B350/40K SR3	KAD LED WITH HLM MODULE, 63 LED's, 350mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 3 LENS	ONE 74-WATT LED, DOWNLIGHTPOS.	KAD_LED_1_6 3B350_40K_S R3.ies	Absolute	0.81	74.5	
D	3	KACM LED 1 49B350/40K SR4	KACM LED WITH HLM MODULE, 49 LED's, 350mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 4 LENS	ONE 59-WATT HLM LED, DOWNLIGHTPOS.	KACM_LED_1 _49B350_40K_ 	Absolute	0.81	59.04	

STICS					
n	Symbol	Avg	Max	Min	Max/Min
e Perimeter	+	1.9 fc	6.8 fc	0.2 fc	34.0:1
ng	+	1.2 fc	2.3 fc	0.3 fc	7.7:1
ing	+	1.4 fc	2.4 fc	0.2 fc	12.0:1
ine	+	0.0 fc	0.1 fc	0.0 fc	N/A
ine 5 FT AFG	÷ +	0.0 fc	0.1 fc	0.0 fc	N/A

SITE PHOTOMETRIC PLAN - FC VALUES AT 5' AFG



GENERAL NOTES	
1. ROUTING OF CONDUIT SHOWN ON ELECTRICAL SITE PLAN IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND SHALL COORDINATE ALL NEW WORK AND CONDUIT ROUTING ACCORDINGLY TO AVOID CONFLICTS.	
2. CONTRACTOR SHALL FIELD COORDINATE LIGHT POLE LOCATIONS WITH SITE CONDITIONS, INCLUDING LANDSCAPING, TREES, SIDEWALKS, ETC. PRIOR TO ROUGH-IN. NOTIFY OWNER/ENGINEER OF ANY CONFLICTS WITH THE LIGHTING LAYOUT SHOWN.	ENGINGERING MATRIX, ING
3. ANY LANDSCAPING, SIDEWALKS, ETC. DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO MATCH ITS ORIGINAL CONDITION.	PH. (727)573-4656 F. (727)575-3902 PH. (727)573-4656 F. (727)575-3902 EMAIL: email@empprotom CEMAIL: email@empprotom CEMAIL: email@empprotom CEMAIL: email@empprotom CEMAIL: email@empprotom CEMAIL: email@empprotom CEMAIL: email@emprotom CEMAIL: email@em
4. ALL SITE CONDUIT SHALL BE A MINIMUM OF 1" UNLESS OTHERWISE NOTED.	States Annu
5. NEW, ABOVE GROUND CONDUIT RUNS SHALL BE CONCEALED WITHIN THE EXISTING BOAT HOUSE WALLS AND/OR ABOVE SOFFITS. EXPOSED PIPING WILL NOT BE ACCEPTED UNLESS PRIOR APPROVAL FROM OWNER/ENGINEER.	ALOBIDA
	DRAWING PHASE: FINAL SITE PLAN
	CONSTRUCTION DOCUMENTSISSUE DATE:EMI JOB NO.01.14.201312-0470
	DRAWING REVISIONS: REV DATE DESCRIPTION
KEYED NOTES	
1 ROUTE CIRCUIT THROUGH LIGHTING RELAY PANEL. CONTINUE CIRCUIT TO DESIGNATED SPACE IN EXISTING PANEL 'A'. REFER TO LIGHTING CONTROL DETAIL FOR ADDITIONAL INFORMATION.	
2 PROVIDE DIMMER SWITCH FOR CANOPY LIGHT FIXTURES. MOUNT DIMMER IN LOCKABLE, CLEAR PROTECTIVE COVER AND LOCATE ADJACENT TO THE LIGHTING RELAY PANEL. CONTRACTOR SHALL FIELD ADJUST CANOPY LIGHT LEVEL TO OWNER ACCEPTABLE	
LEVEL. REFER TO LIGHTING CONTROL DETAIL FOR ADDITIONAL INFORMATION.	9EAST
MANUFACTURED BY GREENGATE. PROVIDE TWO POLE RELAY CARD AS REQUIRED FOR 240V/1¢ CIRCUITS. PROVIDE JUNCTION BOX WITH 120V POWER FOR LIGHTING RELAY PANEL.	IAMER PARK HASE II MNSHIP 34 SOUTH, RANGE 19 EAST SCOUNTY, FLORIDA
	AMER PARA HASE II MISHIP 34 SOUTH, RANG COUNTY, FLORIDA
	HASE MASHP 34 WNSHIP 34 COUNTY,
	FORT RT OF SECTION 17, MANAT
	PART OF S
	SEAL:
	DRAWING TITLE:
	ELECTRICAL SITE PLAN

SCALE: AS NOTED

DRAWING NUMBER:

NORTH:

E1.3

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SITE PLAN - ELECTRICAL