CONSTRUCTION PLANS
FOR
ESSEX PARK OBSERVATION PLATFORM

VILLAGE OF WELLINGTON, FL

100% SUBMITTAL

DATE OF ISSUE: 02/04/19

THE VILLAGE OF WELLINGTON
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

ENGINEERING
DEPARTMENT 12300
FOREST HILL BLVD
WELLINGTON, FL 33414
Phone: 561-791-4002

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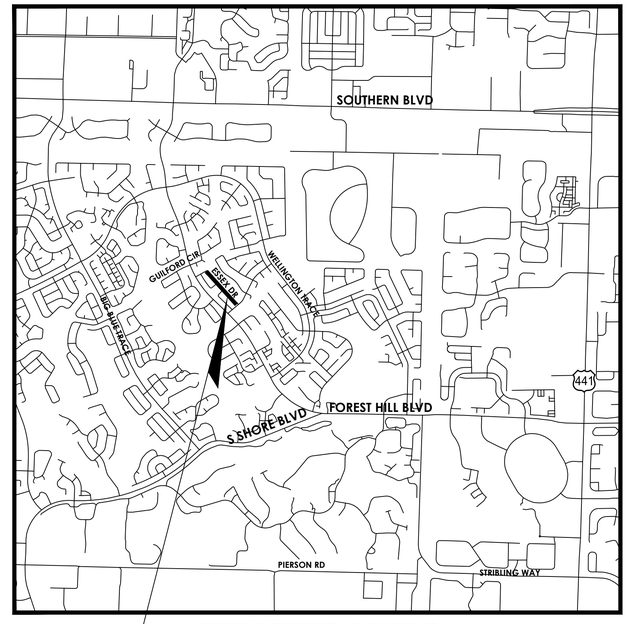
JONATHAN REINSVOLD	PROJECT MANAGER



PROJECT LOCATION

SECTION 10, TOWNSHIP 44S, RANGE 41E
LOCATION MAP
N.T.S

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INDEX OF DRAWING

CHEN•MOORE &ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

PROJECT NUMBER	18-350.001
CLIENT PROJECT NUMBER	
DRAWING NUMBER	COV-1

Plot Date: 2/15/2019 10:05:28 AM Username: jtagle Layout Name: COV-1
Folder Path: V:\Projects\2018\18-350.001 - Essex Park Observtn Platfrm-1250 Essex Dr\Design\CAD\Plans Filename: 18-350.001 Cover Sheet.dwg

GENERAL NOTES:

1. EXISTING CONDITIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, WHETHER SHOWN OR NOT, AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION. ANY EXISTING ITEMS DISTURBED DURING CONSTRUCTION IS TO BE RESTORED TO EQUAL OR BETTER QUALITY.

2. EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND "SUNSHINE STATE ONE CALL OF FLORIDA, INC." TO LOCATE ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION AND RESETTING UTILITIES TO NEW GRADE AND SLOPE WITHIN THE LIMITS OF CONSTRUCTION. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.

   - VILLAGE OF WELLINGTON UTILITIES: RICHARD GALLANT 561-791-4000
   - FLORIDA POWER AND LIGHT: 800-468-8243
   - COMCAST CABLE (CATV): 954-447-8405

3. ELECTRICAL UTILITY LINES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH VILLAGE OF WELLINGTON ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF POWER LINES.

4. ACCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE VEHICULAR AND PEDESTRIAN ACCESS AT ALL TIMES TO ADJACENT RESIDENTS.

5. WARRANTY. ALL WORK, MATERIALS, OR EQUIPMENT SHALL BE WARRANTIED FOR A MINIMUM OF THREE YEARS, FROM THE DATE OF FINAL ACCEPTANCE BY THE VILLAGE OF WELLINGTON, AGAINST DEFECTIVE MATERIALS AND/OR WORKMANSHIP. ALL WORK FOUND TO BE DEFECTIVE WILL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE VILLAGE OF WELLINGTON.

6. SHOP DRAWINGS. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) COPIES OR ONE (1) ELECTRONIC COPY (OR MORE, IF REQUIRED) OF SHOP DRAWINGS, PRODUCT DATA, MATERIAL SPECIFICATIONS AND OTHER INFORMATION REGARDING CONSTRUCTION MATERIALS AND STRUCTURES AS REQUESTED BY THE ENGINEER OF RECORD OR THE VILLAGE OF WELLINGTON. SHOP DRAWINGS MUST BE NEWLY PREPARED INFORMATION, DRAWN TO ACCURATE SCALE. STANDARD INFORMATION PREPARED WITHOUT SPECIFIC REFERENCE TO THE PROJECT WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW. SHOP DRAWINGS SHALL BE SUBJECT TO THE FOLLOWING:
   A. BY SUBMITTAL OF ANY SHOP DRAWING OR CATALOG DATA, BEARING AN APPROVAL STAMP, THE CONTRACTOR REPRESENTS THAT IT HAS DETERMINED AND VERIFIED ALL FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, DIMENSIONS, CATALOG NUMBERS AND SIMILAR DATA, OR WILL DO SO, AND THAT IT HAS CHECKED AND COORDINATED EACH ITEM WITH OTHER APPLICABLE APPROVED SHOP DRAWINGS AND THE CONTRACT REQUIREMENTS.
   B. SHOP DRAWINGS AND CATALOG DATA SUBMITTED WITHOUT THE CONTRACTOR'S STAMP OF APPROVAL WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW. APPROVAL OF SHOP DRAWINGS, SAMPLES, OR CATALOG DATA BY THE ENGINEER OF RECORD OR THE VILLAGE OF WELLINGTON SHALL NOT AUTHORIZE ANY DEVIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
   C. ANY PROPOSED SUBSTITUTE OR EQUAL TO THAT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE ACCOMPANIED BY CALCULATIONS SUBSTANTIATING EQUIVALENCY. SHOP DRAWINGS WITH SUBSTITUTE MATERIALS NOT ACCOMPANIED BY CALCULATIONS WILL BE RETURNED WITHOUT REVIEW.

7. FIELD REVIEWS. THE CONTRACTOR SHALL PROVIDE NOTIFICATION, 48 HOURS (MIN.), PRIOR TO ANY REQUIRED FIELD REVIEWS OR INSPECTIONS AND SHALL SUPPLY ALL NECESSARY EQUIPMENT, LABOR, AND MATERIALS FOR INSPECTION AND/OR TEST. ALL WORK SHALL BE OPEN AND SUBJECT TO REVIEW AND/OR INSPECTION BY AUTHORIZED PERSONNEL OF THE VILLAGE OF WELLINGTON AND THE ENGINEER OF RECORD.

8. TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TESTING INCLUDING BUT NOT LIMITED TO COMPACTION / DENSITY TESTING AND CONCRETE TESTING. AN INDEPENDENT TESTING AND INSPECTION AGENCY SHALL BE PROVIDED BY THE CONTRACTOR. CONCRETE TESTING SHALL BE PERFORMED IN CONFORMANCE WITH NOTE 030001 ON SHEET S-1 OF THIS PLAN SET. DENSITY TESTING SHALL BE PROVIDED TO ENSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED FOR ALL SUBGRADE, BASE MATERIAL, PIPE BASE MATERIAL, BACKFILL, AND ALL OTHER AREAS WHERE COMPACTION REQUIREMENTS ARE SPECIFIED. ALL TEST RESULTS SHALL BE SIGNED & SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER AND COPIES SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND THE VILLAGE OF WELLINGTON.

9. PERMITS. THE CONTRACTOR SHALL NOT COMMENCE CONSTRUCTION PRIOR TO RECEIPT OF ALL APPLICABLE PERMITS AND APPROVALS INCLUDING AN APPROVED MAINTENANCE OF TRAFFIC PLAN. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE REQUIREMENTS OF THE PERMITS AND AGENCY APPROVALS.

10. EROSION CONTROL. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH FDOT INDICES 102, 103 AND 106, THE FDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT (IF APPLICABLE), AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). FILTER FABRIC, HAY BALES, OR ROCK BAGS SHALL BE INSTALLED IN EACH INLET THROUGHOUT THE CONSTRUCTION PERIOD. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT ALL UNSTABILIZED CONSTRUCTION ACCESS POINTS, PER FDOT INDEX NO. 106.

11. DEWATERING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ANY DEWATERING PERMITS AND/OR APPROVALS NECESSARY FOR CONSTRUCTION. NO WATER FROM DEWATERING MEASURES SHALL BE DISCHARGED OFF-SITE. ALL DISCHARGE SHALL BE CONTAINED IN ON-SITE SEDIMENT BASINS.

12. SURVEY. ALL ELEVATIONS ARE BASED ON NAVD 88. ALL HORIZONTAL FEATURES ARE IDENTIFIED BY BASELINE WHICH ARE TIED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 83/90.

13. SALVAGE. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF WELLINGTON TO IDENTIFY AND FLAG ALL MATERIAL TO BE SALVAGED PRIOR TO BEGINNING DEMOLITION ACTIVITIES. THE VILLAGE OF WELLINGTON WILL PROVIDE A LIST OF ITEMS TO BE SALVAGED AND WILL TAG EACH ITEM. THE LIST WILL IDENTIFY WHICH SALVAGED ITEMS WILL BE RETURNED TO THE VILLAGE OF WELLINGTON AND WHICH ITEMS WILL BE DISCARDED BY THE CONTRACTOR. THE CONTRACTOR SHALL CREATE A SALVAGE LOG TO DOCUMENT THE TRANSFER OF MATERIALS TO THE VILLAGE OF WELLINGTON. SALVAGED MATERIAL SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION SPECIFIED BY THE VILLAGE OF WELLINGTON.

14. RECORD DOCUMENTS. THE CONTRACTOR SHALL LAYOUT THE WORK AT THE LOCATION AND TO THE LINES AND GRADES SHOWN ON THE PLANS. SURVEY NOTES INDICATION THE INFORMATION AND MEASUREMENTS USED IN ESTABLISHING LOCATIONS AND GRADES SHALL BE KEPT IN NOTEBOOKS MADE AVAILABLE TO THE DEPARTMENT AND THE OWNERS, WITH THE RECORD DRAWINGS FOR THE PROJECT. THE CONTRACTOR SHALL KEEP ONE RECORD COPY OF ALL SPECIFICATIONS, PLANS, ADDENDA, MODIFICATIONS, SHOP DRAWINGS, AND SAMPLES AT THE SITE IN GOOD ORDER AND ANNOTATED TO SHOW ALL CHANGES MADE DURING THE CONSTRUCTION PROCESS. THESE SHALL BE AVAILABLE TO THE VILLAGE FOR EXAMINATION AND SHALL BE DELIVERED TO THE VILLAGE UPON COMPLETION OF THE WORK.

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DEMOLITION NOTES:

1. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
2. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR IN-USE FACILITIES WITHOUT PERMISSION FROM THE VILLAGE OF WELLINGTON. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS AS REQUIRED BY THE TOWN OF PALM BEACH.
3. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
4. ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, BARRIERS, RAILINGS, ETC. WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
5. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
6. ADJACENT IMPROVEMENTS SHALL BE CLEANED OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO EXISTING CONDITION BEFORE START OF DEMOLITION.
7. FOR SELECTIVE DEMOLITION, USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION OR ADJOINING CONSTRUCTIONS. TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING OR CHOPPING. TEMPORARILY COVER FEATURES OR APPURTENANCES NOT TO BE DISTURBED.
8. DEMOLISH CONCRETE IN SMALL SECTIONS. CUT CONCRETE AT JUNCTURES WITH CONSTRUCTION TO REMAIN, USING POWER-DRIVEN MASONRY SAW OR HAND TOOLS; DO NOT USE POWER-DRIVEN IMPACT TOOLS.
9. REMOVAL, DEMOLITION, HAULING, AND DISPOSAL SHALL COMPLY WITH REGULATIONS BY F.D.E.P., E.P.A., AND ANY OTHER AUTHORITY HAVING JURISDICTION.
10. ALL EXISTING PATHWAY AND STREET LIGHTING WILL REMAIN IN PLACE AND REMAIN IN SERVICE DURING CONSTRUCTION OPERATIONS.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE INTENT OF EROSION CONTROL MEASURES IS TO PROVIDE A BARRIER TO CONTAIN SILT AND SEDIMENT ON THE PROJECT SITE. THE TEST OF EROSION CONTROL EFFECTIVENESS IS TO BE DETERMINED BY MEETING THE REGULATIONS SET FORTH BY THE AUTHORITY HAVING JURISDICTION OVER WATER QUALITY CONTROL AND OTHER SEDIMENTATION RESTRICTION REQUIREMENTS.
2. APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING GRADING, EXCAVATION, FILLING, OR OTHER LAND DISTURBANCE ACTIVITIES, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES.
3. INSPECTION OF ALL EROSION CONTROL MEASURES SHALL BE CONDUCTED WEEKLY, OR AFTER EACH RAINFALL EVENT. REPAIR, AND/OR REPLACEMENT OF SUCH MEASURES SHALL BE MADE PROMPTY, AS NEEDED.
4. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
5. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED IF DEEMED NECESSARY BY ONSITE INSPECTION.
6. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES SHALL RESULT IN CONSTRUCTION BEING HALTED.
7. DRAINAGE INLETS SHALL BE PROTECTED BY FILTER OR OTHER APPROVED MATERIALS.
8. EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
9. ALL WORK IS TO BE IN COMPLIANCE WITH THE RULES AND REGULATIONS SET FORTH BY THE STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE TOWN OF PALM BEACH.

LEGEND

- UE — UNDERGROUND ELECTRIC
- WM — UNDERGROUND WATER
- IRR — UNDERGROUND IRRIGATION
- TV — UNDERGROUND CABLE TV
- INFORMATION SIGN (SINGLE POST)
- INFORMATION SIGN (DOUBLE POST)
- CHAIN LINK FENCE
- SET 5/8" IRON ROD & CAP LB #6603
- CABLE TELEVISION RISER
- LIGHT POLE
- SANITARY MANHOLE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- ELECTRIC WIRE PULL BOX
- CATCH BASIN
- ×0.00 MEASURED ELEVATION
- 8" PALM TREE & SIZE
- 8" OAK TREE & SIZE
- 8" BLACK OLIVE & SIZE
- 8" CABBAGE PALM & SIZE
- 8" ARICA & SIZE
- LOT OR PROPERTY LINE
- CENTER LINE
- PE WATER SERVICE
- DEMOLITION ITEM TO BE REMOVED
- *EXISTING RUBBER MULCH*
- *EXISTING CURB INLET*
- *EXISTING STORM INLET STRUCTURE*
- *EXISTING CONCRETE*
- NEW CONCRETE
- EXISTING CONCRETE DEMOLITION AREA
- EXISTING PIPES TO BE REMOVED
- PROPOSED RIP RAP
- PROPOSED ASPHALT

ABBREVIATIONS

EASE	EASEMENT
Δ	DELTA (CENTRAL) ANGLE
L	ARC LENGTH
O.R.B.	OFFICIAL RECORD BOOK
P.B.	PLAT BOOK
PG(S)	PAGE(S)
R	RADIUS
℄	CENTERLINE
TBM	TEMPORARY BENCHMARK

VERTICAL DATUM INFORMATION
ALL ELEVATIONS SHOWN ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CONVERSION FACTOR:
NAVD88 +1.522 = NGVD29 IN THIS AREA

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500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
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EB4593 LC26000425

REGISTRATION
MIKE ALBERT
REGISTRATION NO.
DATE: _____

SUB-CONSULTANT

CLIENT

THE VILLAGE OF WELLINGTON
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION

ESSEX PARK OBSERVATION PLATFORM

VILLAGE OF WELLINGTON, FL

PROJECT NUMBER
18-350.001

CLIENT PROJECT NUMBER

VERIFY SCALES
0 1"
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REVISIONS

DATE OF ISSUE
02/04/19

DESIGNED BY
MA

DRAWN BY
RA

CHECKED BY

DRAWING TITLE

GENERAL NOTES

DRAWING NUMBER
C-1
02 OF 14

Plot Date: 2/4/2019 2:02:56 PM Username: aclayton Layout Name: C-1
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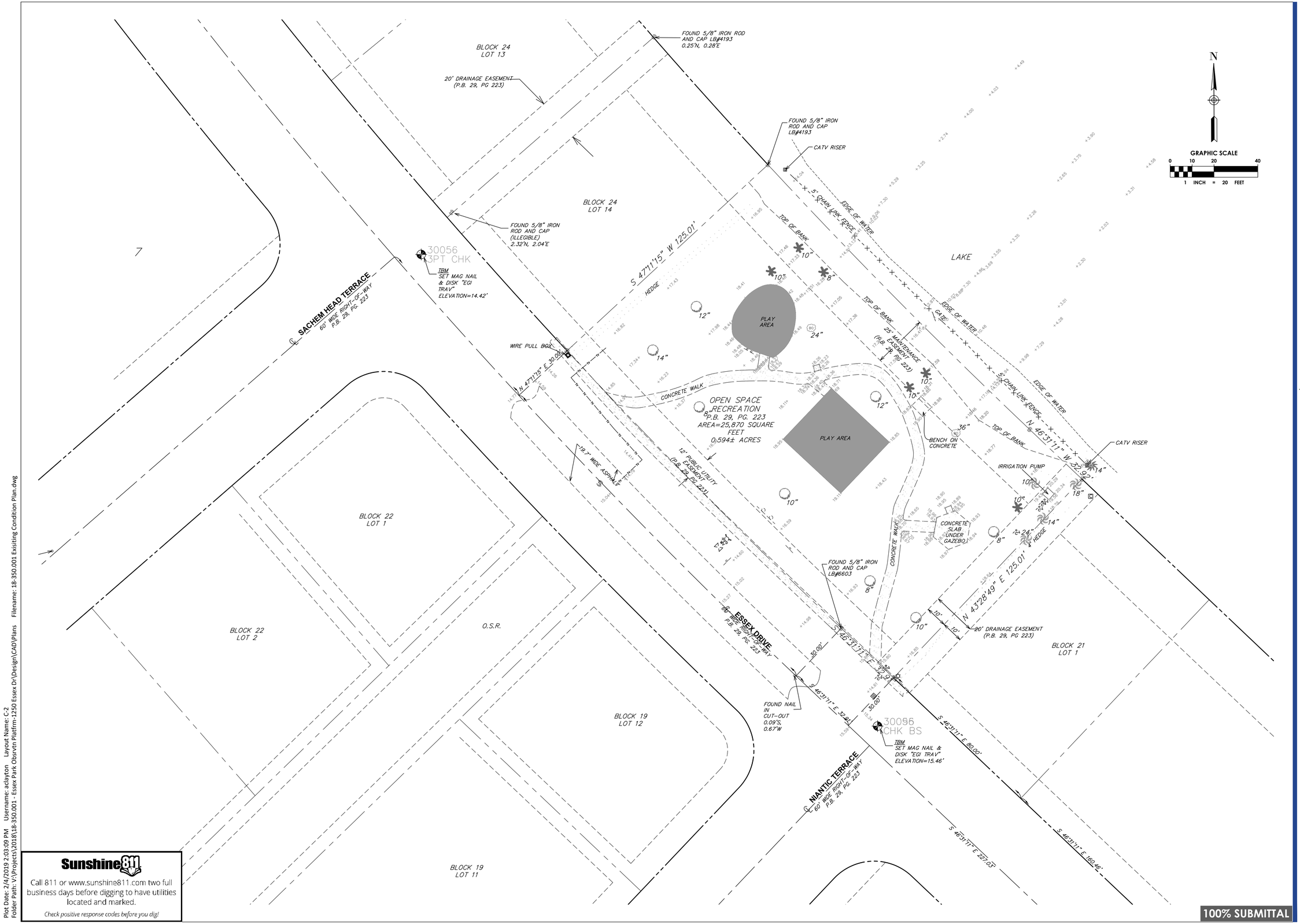

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Plot Date: 2/4/2019 2:03:09 PM Username: adayton Layout Name: C-2
Folder Path: V:\Projects\2018\18-350.001 - Essex Park Observtn Platfrm-1250 Essex Dr\Design\CAD\Plans Filename: 18-350.001 Existing Condition Plan.dwg

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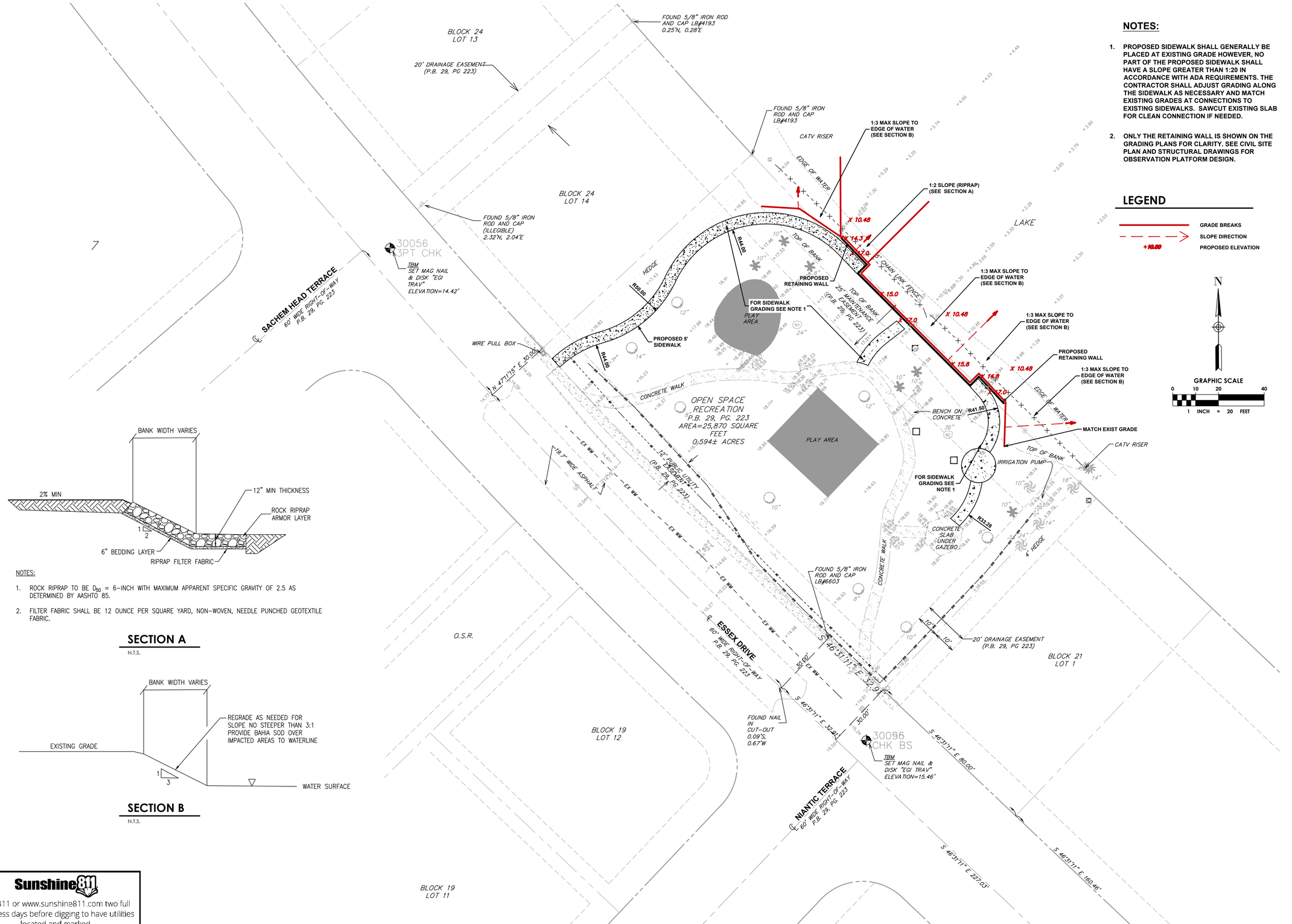
DRAWING TITLE

EXISTING CONDITIONS PLAN

DRAWING NUMBER
C-2
03 OF 14



NOTES:

1. PROPOSED SIDEWALK SHALL GENERALLY BE PLACED AT EXISTING GRADE HOWEVER, NO PART OF THE PROPOSED SIDEWALK SHALL HAVE A SLOPE GREATER THAN 1:20 IN ACCORDANCE WITH ADA REQUIREMENTS. THE CONTRACTOR SHALL ADJUST GRADING ALONG THE SIDEWALK AS NECESSARY AND MATCH EXISTING GRADES AT CONNECTIONS TO EXISTING SIDEWALKS. SAWCUT EXISTING SLAB FOR CLEAN CONNECTION IF NEEDED.
2. ONLY THE RETAINING WALL IS SHOWN ON THE GRADING PLANS FOR CLARITY. SEE CIVIL SITE PLAN AND STRUCTURAL DRAWINGS FOR OBSERVATION PLATFORM DESIGN.

LEGEND

GRADE BREAKS
SLOPE DIRECTION
+10.00 PROPOSED ELEVATION

NOTES:

1. ROCK RIPRAP TO BE D_{50} = 6-INCH WITH MAXIMUM APPARENT SPECIFIC GRAVITY OF 2.5 AS DETERMINED BY AASHTO 85.
2. FILTER FABRIC SHALL BE 12 OUNCE PER SQUARE YARD, NON-WOVEN, NEEDLE PUNCHED GEOTEXTILE FABRIC.

SECTION A

N.T.S.

SECTION B

N.T.S.

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DRAWING TITLE

GRADING PLAN

DRAWING NUMBER
C-3
04 OF 14

Plot Date: 2/4/2019 2:03:22 PM Username: adayton Layout Name: C-3
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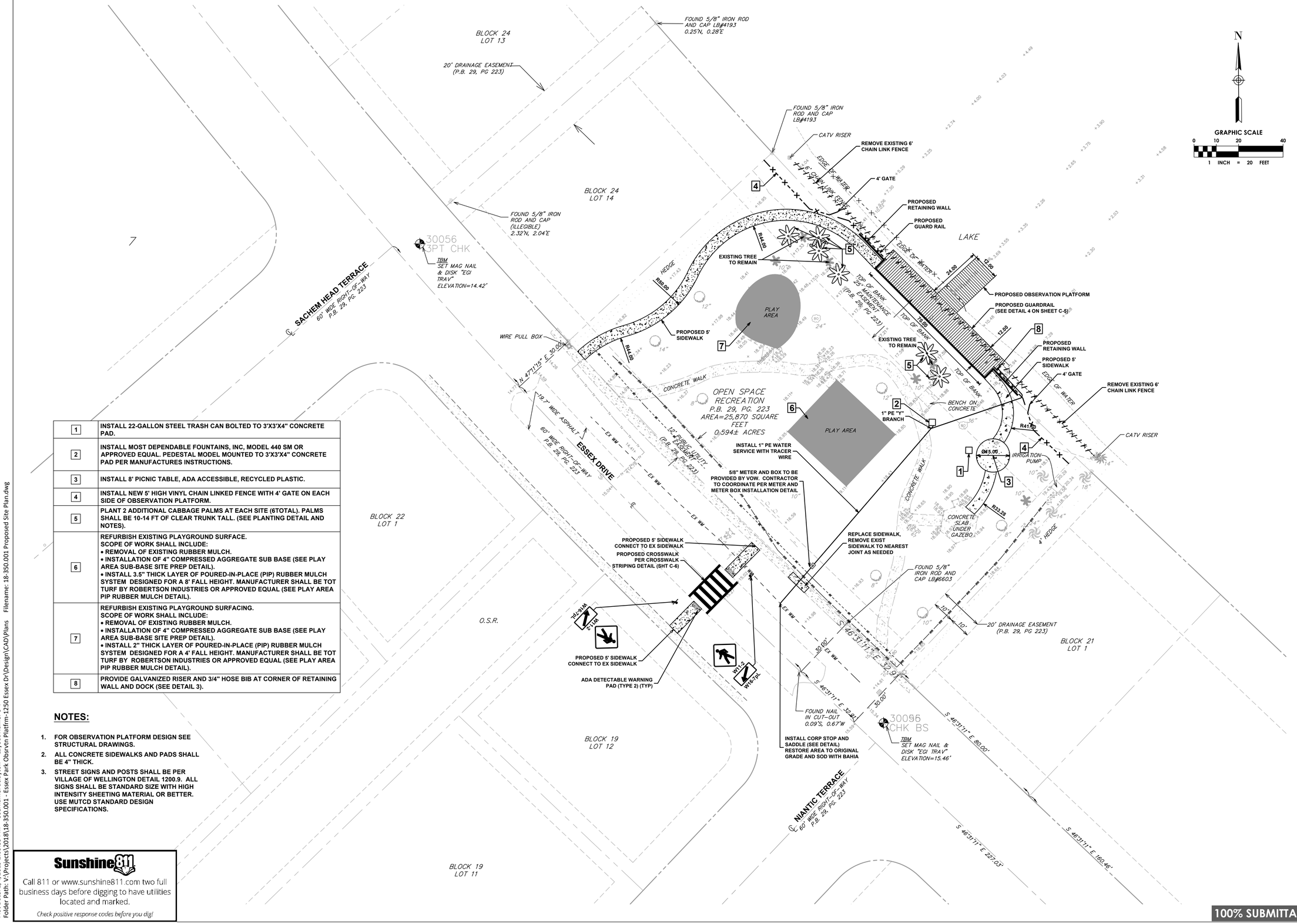

1	INSTALL 22-GALLON STEEL TRASH CAN BOLTED TO 3'X3'X4" CONCRETE PAD.
2	INSTALL MOST DEPENDABLE FOUNTAINS, INC, MODEL 440 SM OR APPROVED EQUAL. PEDESTAL MODEL MOUNTED TO 3'X3'X4" CONCRETE PAD PER MANUFACTURES INSTRUCTIONS.
3	INSTALL 8' PICNIC TABLE, ADA ACCESSIBLE, RECYCLED PLASTIC.
4	INSTALL NEW 5' HIGH VINYL CHAIN LINKED FENCE WITH 4' GATE ON EACH SIDE OF OBSERVATION PLATFORM.
5	PLANT 2 ADDITIONAL CABBAGE PALMS AT EACH SITE (6TOTAL). PALMS SHALL BE 10-14 FT OF CLEAR TRUNK TALL. (SEE PLANTING DETAIL AND NOTES).
6	REFURBISH EXISTING PLAYGROUND SURFACE. SCOPE OF WORK SHALL INCLUDE: • REMOVAL OF EXISTING RUBBER MULCH. • INSTALLATION OF 4" COMPRESSED AGGREGATE SUB BASE (SEE PLAY AREA SUB-BASE SITE PREP DETAIL). • INSTALL 3.5" THICK LAYER OF POURED-IN-PLACE (PIP) RUBBER MULCH SYSTEM DESIGNED FOR A 8' FALL HEIGHT. MANUFACTURER SHALL BE TOT TURF BY ROBERTSON INDUSTRIES OR APPROVED EQUAL (SEE PLAY AREA PIP RUBBER MULCH DETAIL).
7	REFURBISH EXISTING PLAYGROUND SURFACING. SCOPE OF WORK SHALL INCLUDE: • REMOVAL OF EXISTING RUBBER MULCH. • INSTALLATION OF 4" COMPRESSED AGGREGATE SUB BASE (SEE PLAY AREA SUB-BASE SITE PREP DETAIL). • INSTALL 2" THICK LAYER OF POURED-IN-PLACE (PIP) RUBBER MULCH SYSTEM DESIGNED FOR A 4' FALL HEIGHT. MANUFACTURER SHALL BE TOT TURF BY ROBERTSON INDUSTRIES OR APPROVED EQUAL (SEE PLAY AREA PIP RUBBER MULCH DETAIL).
8	PROVIDE GALVANIZED RISER AND 3/4" HOSE BIB AT CORNER OF RETAINING WALL AND DOCK (SEE DETAIL 3).

NOTES:

1. FOR OBSERVATION PLATFORM DESIGN SEE STRUCTURAL DRAWINGS.
2. ALL CONCRETE SIDEWALKS AND PADS SHALL BE 4" THICK.
3. STREET SIGNS AND POSTS SHALL BE PER VILLAGE OF WELLINGTON DETAIL 1200.9. ALL SIGNS SHALL BE STANDARD SIZE WITH HIGH INTENSITY SHEETING MATERIAL OR BETTER. USE MUTCD STANDARD DESIGN SPECIFICATIONS.

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PROPOSED SITE AND WATER SERVICE PLAN

DRAWING NUMBER
C-4
05 OF 14

Plot Date: 2/4/2019 2:03:35 PM Username: aclayton Layout Name: C-4
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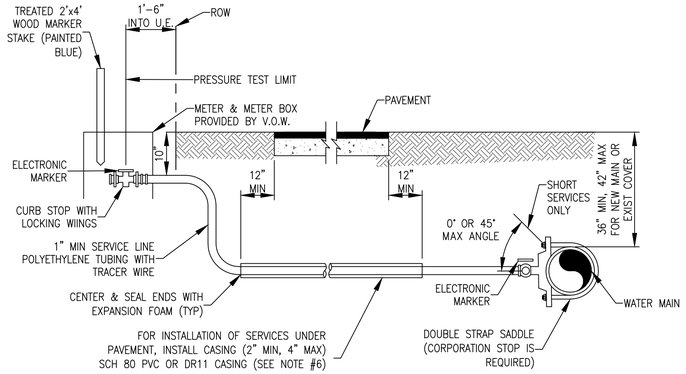


NOTES:

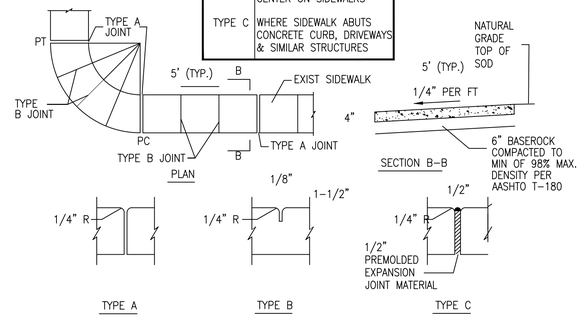
1. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED NOT LESS THAN 18" APART. TAPS SPACED BETWEEN 18" TO 48" SHALL BE OFFSET TO EACH SIDE OF THE MAIN, OR OFFSET 45°.
2. METER BOX SHALL BE SET TO CONFORM TO FINISHED GRADE ADJACENT TO PROPERTY LINE. METER BOX SHALL NOT BE PLACED IN SIDEWALK OR DRIVEWAY AREAS. SERVICE LINES SHALL NOT BE PLACED UNDER DRIVEWAYS.
3. SERVICE LINE SHALL BE ENDOT ENDOPOLY (BLACK) WITH TRACER WIRE PER APL.
4. ALL 5/8" & 1" METERS REQUIRE A 1" LOCKING METER VALVE RESPECTIVELY.
5. MAXIMUM SERVICE LENGTH IS 100' TO METER.
6. METER SIZE AND QUANTITY SERVICE SIZE CASING SIZE

SINGLE	5/8"x3/4"	1"	2" CASING

1 TYPICAL SERVICE CONNECTION (UNDERGROUND) FOR 5/8" METER

N.T.S.

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
TYPE A	P.C. & P.T. OF CURVES, JUNCTION OF EXIST & NEW SIDEWALK
TYPE B	5'-0" CENTER TO CENTER ON SIDEWALKS
TYPE C	WHERE SIDEWALK ABUTS CONCRETE CURB, DRIVEWAYS & SIMILAR STRUCTURES

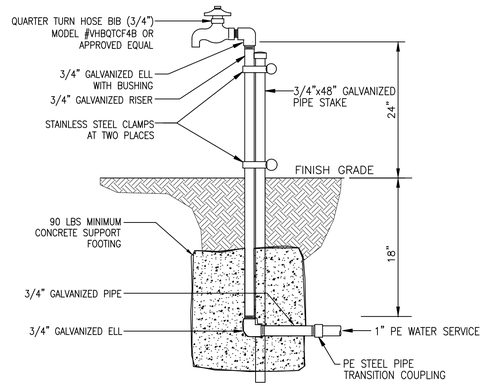


NOTES:

1. SIDWALKS SHALL CONFORM TO THE FDOT DESIGN INDEX, LATEST EDITION AND FDOT STANDARD SPECIFICATIONS AND SHALL HAVE A MINIMUM CONCRETE STRENGTH AT 28 DAYS OF 3000 PSI.

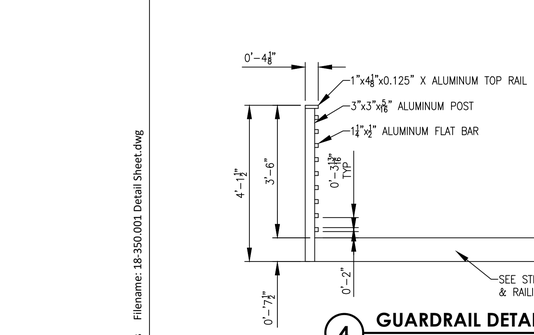
2 SIDEWALK CONSTRUCTION

N.T.S.



3 SELF CLOSING FAUCET

N.T.S.

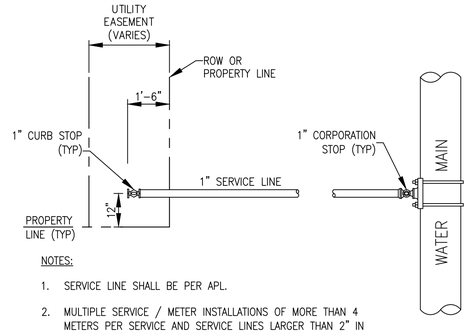


NOTE:

1. SEE STRUCTURAL DRAWINGS FOR WELDING DETAILS OF RAILS TO POST.

4 GUARDRAIL DETAIL

N.T.S.

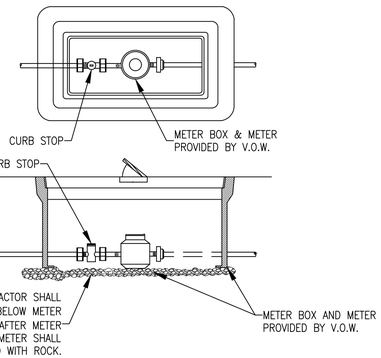


NOTES:

1. SERVICE LINE SHALL BE PER APL.
2. MULTIPLE SERVICE / METER INSTALLATIONS OF MORE THAN 4 METERS PER SERVICE AND SERVICE LINES LARGER THAN 2" IN DIAMETER SHALL BE HANDLED ON AN INDIVIDUAL BASIS, SUBJECT TO APPROVAL OF THE UTILITY DIRECTOR.

5 TYPICAL SINGLE SERVICE DETAIL

N.T.S.



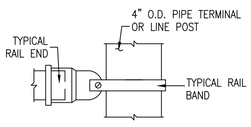
PRIOR TO METER SETTING, CONTRACTOR SHALL PROVIDE MIN 4" #57 STONE BELOW METER BOX & 4" BEYOND ALL WALLS. AFTER METER IS SET, REMAINING AREA UNDER METER SHALL BE FILLED WITH ROCK.

6 METER AND METER BOX INSTALLATION

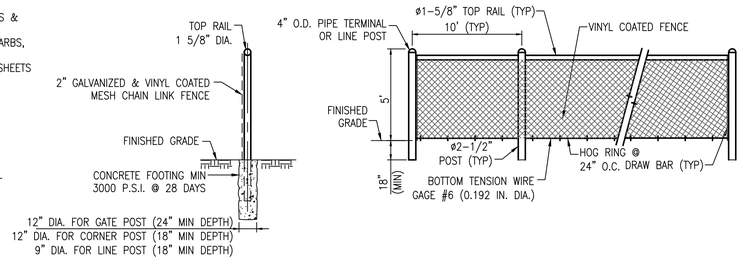
N.T.S.

NOTES:

1. BRACING SHALL BE PROVIDED FOR ALL CORNER POSTS.
2. SWING GATE SHALL BE AS HEAVY AS TOP RAILS, FABRICATED BY WELDING DIAGONAL BRACE, GALVANIZED MALLEABLE IRON FITTINGS FOR LATCHING, EACH PAIR OF GATES HEAVY DROP LATCH ASSEMBLY WITH LOCKING PADLOCK.
3. ALL NUTS, BOLTS & SCREWS SHALL BE GALVANIZED STEEL MIN 3/8"ø
4. ALL FENCING MATERIALS TO BE HOT-DIPPED GALVANIZED AND VINYL COATED AFTER FABRICATION.
5. CHAIN LINK FENCE, POSTS, RAILING, BRACING, TENSION BARS, GATES & ACCESSORIES SHALL BE HOT DIPPED GALVANIZED
6. CHAIN LINK FENCE FABRIC FOR ALL FENCE SIZES SHALL NOT HAVE BARBS, ONLY SELVAGES KNUCKLED ON TOP AND BOTTOM.
7. CONTRACTOR TO PROVIDE APPROVED SUBMITTAL WITH MATERIAL DATA SHEETS AND SHOP DRAWING SHOWING FENCING LAYOUT, GATES AND DETAILS.



POST & RAIL CONNECTION DETAIL



7 FENCE DETAIL

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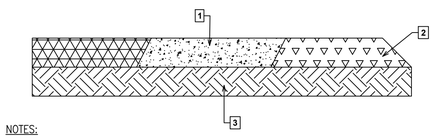

NOTES:

1. SUB-BASE OPTIONS PER ADA GUIDELINES:
   1. COMPACTED AGGREGATE – 4" OF 3/4" MINUS IRREGULAR STONE WITH FINES COMPACTED TO 95% IN 2" WATERED LIFTS.
   2. CONCRETE – MINIMUM OF 3-4" AT A MINIMUM 2500 PSI. MUST CURE FOR 7 DAYS PRIOR TO CUSHION LAYER. MUST CURE FOR 28 DAYS IF WEAR COURSE IS TO BE APPLIED DIRECTLY TO CONCRETE SURFACE.
   3. ASPHALT – MUST CURE A MINIMUM OF 14 DAYS, POWER WASHED.
2. 45 DEGREE TURN DOWN.
3. EXISTING SOLID COMPACTED DIRT.

8 PLAY AREA SUB-BASE SITE PREP DETAIL

N.T.S.

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CHEN·MOORE &ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

REGISTRATION
MIKE ALBERT
REGISTRATION NO.
DATE:

SUB-CONSULTANT

CLIENT

THE VILLAGE OF WELLINGTON
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION

ESSEX PARK OBSERVATION PLATFORM

VILLAGE OF WELLINGTON, FL

PROJECT NUMBER
18-350.001

CLIENT PROJECT NUMBER

VERIFY SCALES
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

DATE OF ISSUE
02/04/19

DESIGNED BY
MA

DRAWN BY
RA

CHECKED BY

DRAWING TITLE

CIVIL DETAILS

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C-5
06 OF 14

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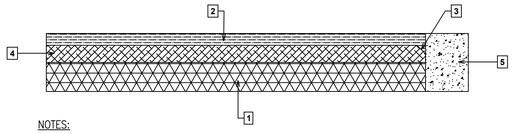

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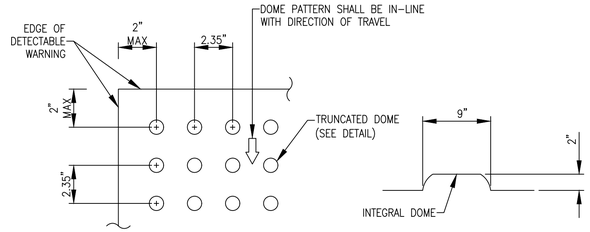
   3. ASPHALT – MUST CURE A MINIMUM OF 14 DAYS, POWER WASHED.
2. WEAR COURSE – 1/2" MINIMUM THICKNESS.
3. 1-1/2" 45 DEGREE EDGE BEVEL AGAINST PRIMED CONCRETE BORDER TO PREVENT SHRINKING.
4. SBR CUSHION LAYER (DEPTH VARIES BY CRITICAL FALL HEIGHT REQUIREMENTS AND PRODUCT SOLD).
5. CONCRETE BORDER.

9 PLAY AREA PIP RUBBER MULCH DETAIL

N.T.S.

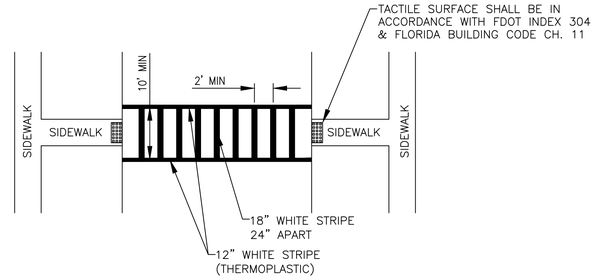


NOTES:

1. DETECTABLE WARNING SURFACE AS REQUIRED PER AMERICAN WITH DISABILITIES ACT DESIGN STANDARDS REQUIRED AT ALL CONCRETE SIDEWALK LANDINGS WITHIN PROJECT LIMITS.
2. STAMPED CONCRETE IS NOT PERMITTED FOR DETECTABLE WARNING SURFACES. ARMOR TILE OR AN APPROVED EQUAL SHALL BE USED.
3. WHEN NOT PLACED ON CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE WALKING SURFACES ADJOINING A VEHICULAR WAY. THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36" WIDE.
4. UNLESS NOT PLACED DIRECTLY ON A RAMP, DETECTABLE WARNING SURFACE MUST NOT EXCEED 2% SLOPE IN ANY DIRECTION.
5. WHEN PLACED ON CURB RAMPS, DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL LENGTH AND WIDTH OF THE RAMP. FOR RAMPS WITHIN FDOT RIGHT-OF-WAY, REFER TO THE LATEST VERSION OF THE FDOT DESIGN STANDARDS INDEX #304.
6. CONSTRUCTION OF DETECTABLE WARNING SURFACE IS NOT LIMITED TO CONCRETE MATERIAL, HOWEVER, PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST INFORM TO THE ENGINEER OF RECORD THE PROPOSED MATERIAL FOR THE DETECTABLE WARNING SURFACE. CONTRACTOR MUST ENSURE THAT THE FOLLOWING TRUNCATED DOME CRITERIA IS MET:
   A. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%
   B. 90% OF THE INDIVIDUAL TRUNCATED DOMES MUST COMPLY WITH THE SPECIFIED DIMENSIONS AND DESIGN CRITERIA.
   C. NO TWO ADJACENT DOMES MAY BE NON-COMPLIANT.
   D. SURFACE MAY NOT DEVIATE MORE THAN 0.1" FROM A TRUE PLAN.

10 ADA DETECTABLE WARNING PAD

N.T.S.



NOTES:

- STANDARD CROSSWALK STRIPING TO BE INSTALLED IN THE FOLLOWING LOCATIONS:
  - ALONG COLLECTORS OR ARTERIALS
  - BIKE PATH CROSSINGS
  - CROSS WALKS WITH HIGH EXPECTED PEDESTRIAN VOLUME
  - SCHOOL ACCESS ROUTES
- SIGNING REQUIRED AS PER FDOT STANDARDS

11 CROSSWALK STRIPING

N.T.S.

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500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
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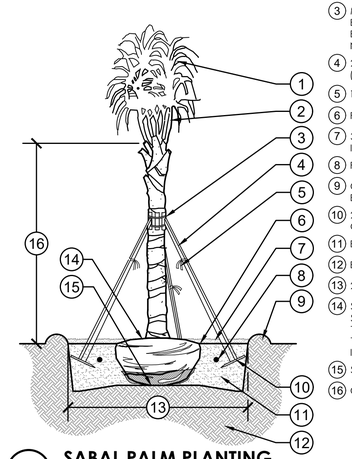
LANDSCAPE SPECIFICATIONS

1. PLANTING SOIL
   - 1.1. ALL TREES SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND BENEATH THE ROOTBALL.
   - 1.2. MINIMUM TOPSOIL SHALL BE 2" FOR SODDED GRASS AREAS.
   - 1.3. PLANTING SOIL MIX SHALL BE A WEED FREE MIX AS FOLLOWS:
     - 1.3.1. DICOT TREES & SHRUBS: 50% SAND, 40% MUCK & 10% PEAT
     - 1.3.2. MONOCOT PALMS: 70% SAND & 30% MUCK
     - 1.3.3. TURF: 80% SAND, 10% PEAT & 10% MUCK
2. LANDSCAPE PLANTING
   - 2.1. THIS PLAN HAS BEEN DESIGNED TO MEET OR EXCEED ALL APPLICABLE CODES.
   - 2.2. THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.
   - 2.3. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
   - 2.4. ALL PLANT MATERIAL SHALL BE TRUE TO THE BOTANICAL NAME, GENUS, SPECIES AND/OR HYBRID DESIGNATION.
   - 2.5. ALL TREES AND GROUNDCOVERS SHALL BE OF THE SIZES (HEIGHT & SPREAD) AS SPECIFIED IN THE PLANT LIST. CONTAINER SIZE IS FOR REFERENCE PURPOSES ONLY. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE MINIMUM SIZES AT INSTALLATION, AS SPECIFIED IN THE PLANT LIST.
   - 2.6. QUANTITIES LISTED ON THE PLANT LIST ARE FOR ESTIMATING PURPOSES. CONTRACTOR SHALL VERIFY ALL QUANTITIES. MULCH, TOPSOIL, FERTILIZER, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE PLANTS.
   - 2.7. WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE.
   - 2.8. ALL SUBSTITUTIONS AND CHANGES SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS, SITE AND SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT, THE OWNER AND/OR GOVERNING MUNICIPALITY.
   - 2.9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS.
   - 2.10. AFTER FINAL GRADE, LANDSCAPE AREAS ARE TO BE RAKED TO A DEPTH OF 6". ALL ROCK AND FOREIGN INORGANIC MATERIALS SHALL BE REMOVED AND DISPOSED OF PROPERLY OFF-SITE.
   - 2.11. ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT EXISTING TREES, DAMAGE UTILITIES OR OTHER IMPROVEMENTS.
   - 2.12. EXCAVATE PLANTING PITS TO A DEPTH SO THAT THE TRUNK FLARE AND FIRST ORDER LATERAL ROOT(S) WILL BE PLANTED AT FINISH GRADE OR SLIGHTLY HIGHER. ADVENTITIOUS ROOTS ARE NOT CONSIDERED FIRST ORDER ROOTS.
   - 2.13. BURLAP, SYNTHETIC STRING, CORDS AND/OR LIFTING ROPES SHALL BE REMOVED FROM THE ROOTBALLS BEFORE ANY TREES ARE PLANTED. THE TOP 1/3RD OF BURLAP MUST BE REMOVED FROM HE TOP OF THE ROOTBALLS. THE TOP 1/3RD OF WIRE BASKETS SHALL BE COMPLETELY REMOVED AND THE BOTTOM 2/3RDS SHALL BE CUT BEFORE THE TREES ARE INSTALLED.
   - 2.14. NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED.
   - 2.15. NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED.
   - 2.16. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN CRACKED, BROKEN OR OTHERWISE DAMAGED.
   - 2.17. ALL TREES SPECIFIED AS FIELD GROWN OR B&B TREES SHALL BE ROOT-PRUNED AT THE NURSERY A MINIMUM OF (8) WEEKS PRIOR TO PLANTING.
   - 2.18. ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS SHALL BE MAINTAINED TO PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.
   - 2.19. NO CANOPY TREES SHALL BE PLANTED WITHIN 12 FEET OF A LIGHT POLE. NO PALM SPECIES SHALL BE PLANTED WITHIN 6 FEET OF A LIGHT POLE.
   - 2.20. TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE 8' IN ALL PEDESTRIAN AREAS.
   - 2.21. ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 10' FROM ANY FIRE HYDRANT.
   - 2.22. CONTRACTOR SHALL REMOVE ALL NURSERY STAKES, CONDUIT, FLAGGING AND NURSERY TAPE PRIOR TO STAKING.
   - 2.23. CONTRACTOR SHALL STAKE & GUY ALL TREES AND PALMS AT TIME OF PLANTING AS PER THE APPROPRIATE DETAIL. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF ALL STAKING AND GUYING DURING WARRANTY PERIOD AND REMOVAL & DISPOSAL OF STAKING AFTER ESTABLISHMENT/WARRANTY PERIOD.
   - 2.24. TREES THAT CANNOT STAND WITHOUT THE SUPPORT OF STAKES AND/OR GUYS SHALL BE REJECTED.
3. TURF GRASSES
   - 3.1. ALL AREAS NOT USED FOR BUILDINGS, VEHICULAR USE AREAS, WALKS OR PLANTING BEDS SHALL BE GRASSED. GRASSING SHALL EXTEND TO ANY ABUTTING STREET PAVEMENT EDGE AND TO THE MEAN WATERLINE OF ANY ABUTTING CANAL, LAKE OR WATERWAY. REFER TO PLANTING SCHEDULE FOR ESTIMATED QUANTITY AND SPECIES.
4. MULCH & FERTILIZER
   - 4.1. ALL PLANTING BEDS AND WATER BASINS FOR TREES SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF SHREDDED PREMIUM EUCALYPTUS MULCH , UNLESS OTHERWISE SPECIFIED.
   - 4.2. INDIVIDUAL TREES PLANTED IN LAWN AREAS SHALL BE MULCHED WITH A MINIMUM 3' DIAMETER MULCH RING.
   - 4.3. MULCH SHALL NOT BE INSTALLED WITHIN 3" OF TREE TUNKS.
   - 4.4. FERTILIZER MIX AS FOLLOWS:
     - 4.4.1. DICOT TREES & SHRUBS: NPK 18-4-2, SLOW RELEASE W/ MICRONUTRIENTS
     - 4.4.2. MONOCOT PALMS: NPK 8-2-12, SLOW RELEASE W/ MICRONUTRIENTS
     - 4.4.3. TURF: NPK 16-4-8, SLOW RELEASE W/ MICRONUTRIENTS
5. WATERING AND IRRIGATION
   - 5.1. ALL LANDSCAPED AREAS SHALL BE IRRIGATED BY AN EXISTING UNDERGROUND, AUTOMATIC, IRRIGATION SYSTEM PROVIDING 100% COVERAGE AND 50% SPRAY OVERLAP. THE SYSTEM SHALL BE MAINTAINED IN GOOD WORKING ORDER AND MINIMIZE WATER ON IMPERVIOUS SERVICES AND NOT OVERSPRAY WALKWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING OR REPAIRING THE EXISTING IRRIGATION SYSTEM AS NECESSARY IN ORDER TO ACCOMMODATE PROPOSED LANDSCAPE AND SITE IMPROVEMENTS.
   - 5.2. CONTRACTOR SHALL COORDINATE IRRIGATION SYSTEM INSTALLATION, AND ANY COMPONENTS THEREOF, WITH OTHER PROJECT WORK TO AVOID DISTURBANCE OF NEW WORK SUCH AS TURF, PLANTING BEDS, PAVED AREAS, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL BEAR ALL COSTS OF ANY REPLACEMENT, REPAIR, OR RESTORATION TO EXISTING CONDITIONS, NEW OR OTHERWISE, AS A RESULT OF IRRIGATION SYSTEM INSTALLATION BEFORE THE TIME OF FINAL ACCEPTANCE. THIS SHALL INCLUDE ANY AND ALL IRRIGATION WORK, INITIAL OR AS A RESULT OF RE-INSTALLATION OF UNACCEPTABLE COMPONENTS, DONE PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM. REPAIRS SHALL INCLUDE LIKE MATERIALS AND CONDITIONS, EQUAL TO THOSE BEING REPLACED OR REPAIRED, AND TO THE SATISFACTION OF THE PUBLIC WORKS DEPARTMENT. NO SYSTEM SHALL BE ACCEPTED AS FINAL UNTIL RESTORATION IS PROPERLY ACHIEVED.
   - 5.3. ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE THE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND THE LANDSCAPE IS TURNED OVER TO THE OWNER.
6. GUARANTEE
   - 6.1. ALL NEW PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM TIME OF FINAL ACCEPTANCE OF PROJECT. ANY PLANT MATERIAL NOT IN A HEALTHY GROWING CONDITION WILL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION.
   - 6.2. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 90 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. REPLACEMENT MATERIAL SHALL BE REPLACED IN KIND AS IT RELATES TO SPECIES, QUANTITY AND SIZE.
   - 6.3. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 74 MPH AS DETERMINED BY THE NATIONAL HURRICANE CENTER, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.



1. DO NOT HURRICANE CUT FRONDS
2. UNTIE FRONDS PRIOR TO INSPECTION
3. METAL STRAPS SECURING 2"x4" WOOD BATTENS. MIN. 5 LAYERS BURLAP. TOE NAIL BRACES TO 2"X4" WOOD BATTENS: DO NOT NAIL STAKES DIRECTLY TO TRUNK
4. 2"X4" WOOD BRACE AT EQUAL SPACING (3 PER TREE)
5. 1/2"x2' FLUORESCENT MARKER
6. FINISH GRADE
7. 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3" OF TREE TRUNK
8. FERTILIZER TABLET IF APPLICABLE
9. CONSTRUCT TEMPORARY 3" WATERING BASIN
10. 2"X4"X8" STAKE: SET 2" BELOW FINISH GRADE
11. BACKFILL WITH SPECIFIED SOIL MIX
12. EXISTING SOIL
13. 2X DIAMETER OF THE ROOTBALL
14. SET CROWN OF ROOT BALL 0'-2" ABOVE SURROUNDING FINISH GRADE. REMOVE TOP 2/3 OF BURLAP FROM ROOTBALL: TRUNK TAPER SHALL BE VISIBLE AT TIME OF INSTALLATION
15. SET ROOTBALL ON UNDISTURBED SOIL
16. CLEAR TRUNK: REFER TO PLANT SCHEDULE

1 **SABAL PALM PLANTING**
1/4" = 1'-0" 32 9343-21

100% SUBMITTAL

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&ASSOCIATES
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- DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
- NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
- AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. MUENGINEERS' PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTORS' MEANS OR METHODS OF CONSTRUCTION.
- SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE INETRITY OF ADJACENT STREETS, BUILDINGS AND ALL OTHER STRUCTURES.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE STRUCTURE IS COMPLETE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY MEANS AND METHODS OF CONSTRUCTION OR FOR ANY RELATED SAFETY PRECAUTIONS OR PROGRAMS.

010001-DESIGN LOADS:
1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE AND APPLICABLE REFERENCE STANDARDS.
2. THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED:
3. **DOCK:**
   - LIVE LOAD 100 psf
   - DEAD LOAD 25 psf
4. **WIND:**
   - ASCE 7-10
   - PALM BEACH COUNTY: RISK CATEGORY **II**
   - ULTIMATE DESIGN WIND SPEED Vult=**170 MPH** (3-SECOND GUST)
   - NOMINAL DESIGN WIND SPEED Vasd=**132 MPH** (3-SECOND GUST)
   - EXPOSURE **D**

010002-SPECIAL INSPECTIONS:
1. SPECIAL INSPECTION OF THE CONSTRUCTION IS REQUIRED BY THE STATE OF FLORIDA IN ACCORDANCE WITH CHAPTER 553 OF THE FLORIDA STATUTES.
2. CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH THE SPECIAL INSPECTION PLAN.

010003-REPORTS OF TESTING AND INSPECTION:
1. TESTING REPORTS FOR STRUCTURAL ITEMS AS REQUIRED WITHIN THESE DOCUMENTS AND/OR WITHIN THE SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD IN A TIMELY MANNER IN ELECTRONIC FORMAT.
2. REPORTS OF INSPECTION SHALL BE SUBMITTED TO ENGINEER OF RECORD ON A WEEKLY BASIS AND REPORTS CONTAINING INFORMATION ON NONCONFORMING INSTALLATIONS SHALL BE COPIED TO THE ENGINEER OF RECORD IMMEDIATELY.

010004-SHOP DRAWING REVIEW:
1. SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT ONLY.
2. SHOP DRAWINGS SHALL BE SUBMITTED VIA E-MAIL TO ADMIN@MUENGINEERS.COM.
3. PRINTED PAPER COPIES WILL NOT BE REVIEWED AND RETURNED WITHOUT MUENGINEERS' REVIEW.
4. SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL FRAMING SHOWN ON THESE DRAWINGS INCLUDING, BUT NOT LIMITED TO: CONCRETE MIXES, CONCRETE AND MASONRY REINFORCING, STRUCTURAL STEEL AND CONNECTIONS, STEEL DECK, LIGHT GAUGE FRAMING, STRUCTURAL ALUMINUM AND FABRICATED METAL RAILINGS.
5. ELECTRONIC VERSIONS OF STRUCTURAL DRAWINGS ARE THE SOLE, COPYRIGHTED PROPERTY OF MUENGINEERS, INC. ELECTRONIC VERSIONS OF DRAWINGS ARE NOT TO BE USED OR TRANSFERRED WITHOUT THE EXPRESS, WRITTEN PERMISSION OF MUENGINEERS, INC. USERS WILL SIGN A RELEASE.
6. SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, CONSTRUCTION METHODS, DIMENSIONING, OTHER TRADE REQUIREMENTS ETC. PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER.
8. DRAWINGS WITHOUT CONTRACTOR'S APPROVAL STAMP AND WHICH HAVE NOT BEEN REVIEWED BY THE CONTRACTOR WILL BE RETURNED WITHOUT MUENGINEERS' REVIEW.
9. MUENGINEERS RESERVES A TWO-WEEK SHOP DRAWING REVIEW TIME (FROM THE DATE OF RECEIPT).
10. IN CASES OF A CONFLICT, INFORMATION PRESENTED ON STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THAT WITHIN SHOP DRAWINGS, UNLESS SPECIFICALLY NOTED BY MUENGINEERS IN WRITING.
11. THROUGH THE PROCESS OF A CURSORY REVIEW, MUENGINEERS ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ERRORS OR OMISSIONS. ANY ERRORS OR OMISSIONS IRRESPECTIVE OF MUENGINEERS' COMMENTS OR DURATION OF THE REVIEW SHALL BE THE RESPONSIBILITY OF AND MUST BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL SERVICE CHARGE EVEN IF SUCH WORK WAS DONE IN ACCORDANCE WITH THE SHOP DRAWINGS
12. CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS SHALL BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. REVIEW WILL BE LIMITED TO THE FLAGGED AND NOTED ITEMS CAUSING THE RE-SUBMITTAL.

012300-CONTRACTOR PROPOSED CHANGES AND SUBSTITUTIONS:
1. PROPOSED CHANGES OR SUBSTITUTIONS TO STRUCTURAL DETAILS OR PLANS SHALL BE SUBMITTED TO MUENGINEERS FOR REVIEW AND APPROVAL.
2. SUBMITTALS SHALL CONTAIN FULL DOCUMENTATION OF CHANGES OR SUBSTITUTIONS WITH SUPPORTING, SEALED CALCULATIONS (WHERE APPLICABLE).
3. THE REVIEW OF CHANGES AND SUBSTITUTIONS, RE-ANALYSIS AND/OR RE-DRAFTING TO INCORPORATE CHANGES OR SUBSTITUTIONS INTO CONTRACT DOCUMENTS ARE ADDITIONAL SERVICES FOR THE EOR.
4. CONSTRUCTION COST REVISIONS ARE BETWEEN THE CONTRACTOR AND OWNER AND ARE NOT REVIEWED BY MUENGINEERS.

310000-FOUNDATIONS:
1. PROVIDE DOWELS IN FOUNDATIONS FOR ALL WALLS, COLUMNS, AND SHEAR WALLS OF SAME NUMBER, SIZE AND LAYOUT AS THE VERTICAL REINFORCEMENT ABOVE, U.N.O.
2. ALL SITE PREPARATION, EXCAVATION WORK AND BACK FILL WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND THE SUBSURFACE INVESTIGATION.
3. ABOVE REPORT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW BEFORE FOUNDATION CONSTRUCTION BEGINS.
4. SEE THE FOLLOWING REPORT FOR COMPLETE GEOTECHNICAL RECOMMENDATIONS AND INSTALLATION PROCEDURES.
   - REPORT NO.: 14436.44
   - PREPARED BY: NUTTING ENGINEERS
   - TITLED: REPORT OF GEOTECHNICAL EXPLORATION
   - DATED: AUGUST 14, 2018
   - THIS REPORT SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS
   - SOILS SUPPORTING FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY A LICENSED GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION REBAR INSTALLATION AND PLACING OF CONCRETE.
   - THE GEOTECHNICAL ENGINEER SHALL ISSUE AN APPROVAL IN WRITING INDICATING THAT THE SOIL HAS BEEN PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND IS ADEQUATE TO SAFELY SUSTAIN 2000 PSF AND HAS A MINIMUM SUBGRADE MODULUS OF 150 POUNDS PER CUBIC INCH.

316214-PRECAST CONCRETE PILES:
1. TO BE REINFORCED CONCRETE POURED UNDER THE CONTROL OF AN APPROVED LABORATORY ACHIEVING A STRENGTH OF 3,000 psi AT DRIVING.
2. PRECAST PILE DESIGN BY SPECIALTY ENGINEER. PLEASE REFER TO SPECIALTY ENGINEER DRAWINGS AND CALCULATIONS.
3. 12"x12" RC PRECAST PILES TO BE DRIVEN OR JETTED AND DRIVEN TO A CARRYING CAPACITY OF 10 TONS
4. PILE INSTALLATION FOR ALL PILES SHOULD BE UNDER THE FULL TIME OBSERVATION OF A REPRESENTATIVE OF NUTTING ENGINEERS, AS STATED IN THE GEOTECHNICAL REPORT.

030001-CONCRETE
1. CONCRETE FORMWORK AND SHORING INCLUDING BUT NOT LIMITED TO CONCRETE SLABS AND BEAMS:
2. DESIGN, ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET REQUIREMENTS SET FORTH IN ACI STANDARDS 347 AND 301.
3. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, FORMS SHALL NOT BE REMOVED PRIOR TO STRUCTURAL CONCRETE REACHING A MINIMUM OF TWO- THIRDS (COLUMNS) OR THREE-QUARTERS (BEAMS AND SLABS) OF ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
4. DELEGATED ENGINEER SHALL BE REQUIRED TO PROVIDE SIGNED AND SEALED WRITTEN REPORTS PRIOR TO ALL CONCRETE POURS VERIFYING THAT THE WORK WAS OBSERVED TO BE IN COMPLIANCE WITH THE DRAWINGS.
2. REINFORCING STEEL:
- SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS.
- SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION.

3. WELDED WIRE FABRIC:
- TO CONFORM TO ASTM A-185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. MINIMUM LAP SHALL BE PLUS TWO INCHES. USE OF FLAT MANUFACTURED SHEETS IS RECOMMENDED.

4. CONCRETE
- SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:
  - 5000 psi FOR OTHER STRUCTURAL CONCRETE.
- WATER/CEMENT RATIO FOR CONCRETE OF EXTERIOR COLUMNS, BEAMS AND SLABS SHALL NOT EXCEED 0.40 BY WEIGHT.
- CONCRETE MIXES FOR ALL EXPOSED CONCRETE COMPONENTS SHALL HAVE BARRIER ONE POROSITY INHIBITING ADMIXTURE OR A BY THE ENGINEER OF RECORD APPROVED ALTERNATE ADMIXTURE INCLUDED IN THE MIX DESIGN.
- CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND SPECIFICATIONS.
- SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE.
- MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION.
- MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE AGGREGATE.
- CONCRETE SHALL COMPLY WITH THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC.
- CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED.
- THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS.
- IF FOR ANY REASON THERE IS A LONGER DELAY THAN THAT STATED ABOVE, THE CONCRETE SHALL BE DISCARDED.
- IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE.
- CONCRETE MIX DESIGNS SHALL INCLUDE A WRITTEN DESCRIPTION INDICATING WHERE EACH PARTICULAR MIX IS TO BE PLACED WITHIN THE STRUCTURE.
- CONCRETE DESIGN MIX SUBMITTALS SHALL INCLUDE TESTED, STATISTICAL BACK-UP DATA AS PER CHAPTER 5 OF ACI 318.

5. CORROSION RESISTANT REINFORCING STEEL:
- REINFORCING BARS AT ALL AREAS SHALL BE MMFX ACCORDING TO ASTM A1035.

6. CONCRETE TESTING:
- AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON CAST IN PLACE CONCRETE:
- ASTM C143: "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE." MAXIMUM SLUMP SHALL BE 5 INCHES.
- ASTM C39: "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR FRACTION THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS:
  - 1 AT 3 DAYS
  - 1 AT 7 DAYS
  - 2 AT 28 DAYS
- ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(S) MAY BE DISCARDED.

7. POST-INSTALLED ANCHORS:
- POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
- CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.
- CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR AND POST TENSIONING STRANDS WHEN DRILLING HOLES. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS.
- UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT REQUIRED TO SUPPORT THE INTENDED LOAD.
- ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCE AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE.
- SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE LISTED BELOW, SHALL BE SUBMITTED TO THE ENGINEER WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER SHOWING THAT THE SUBSTITUTED PRODUCT WILL ACHIEVE AN EQUIVALENT CAPACITY USING THE APPROPRIATE DESIGN PROCEDURE REQUIRED BY THE BUILDING CODE.
- ACCEPTABLE PRODUCTS ARE:
  - EXPANSION ANCHORS FOR NON-CRACKED CONCRETE ONLY:
    - WEDGE-ALL (WA), BY SIMPSON STRONG-TIE
    - KWIK BOLT 3, BY HILTI
  - CRACKED CONCRETE MECHANICAL ANCHORS:
    - STRONG-BOLT (STB), BY SIMPSON STRONG-TIE
    - KWIK BOLT (TZ), BY HILTI
  - SCREW ANCHORS:
    - TITEN HD (THD), BY SIMPSON STRONG-TIE
    - HUS-H, BY HILTI
  - ADHESIVE ANCHORS FOR ANCHORING INTO SOLID BASE MATERIAL
    - ACRYLIC-TIE (AT)
    - SET EPOXY-TIE (SET) WITH RETROFIT BOLTS (RFB),
    - BY SIMPSON STRONG-TIE
    - HIT RE 500, BY HILTI
  - ADHESIVE ANCHORS FOR ANCHORING INTO HOLLOW BASE MATERIAL
    - CONTACT ENGINEER OF RECORD

051202-STRUCTURAL ALUMINUM:
1. THE ALUMINUM STRUCTURES SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH SPECIFICATIONS FOR ALUMINUM STRUCTURES PUBLISHED BY THE ALUMINUM ASSOCIATION.
2. ALL ALUMINUM EXTRUSIONS SHALL BE OF 6061-T6 OR 6066-T6 U.N.O. IN DRAWINGS
3. ALL ALUMINUM PLATES SHALL BE 5056-H116 U.N.O. IN DRAWINGS
4. THERE SHALL BE NO WELDED CONNECTIONS UNLESS ALLOWED AND SHOWN ON THE DRAWINGS.
5. ALUMINUM IN CONTACT WITH CEMENT GROUT, CONCRETE OR DISSIMILAR MATERIALS SHALL HAVE A PROTECTIVE COATING.

010005-SHOP DRAWINGS FOR SPECIALTY ENGINEERED PRODUCTS:
1. SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT ONLY.
2. SHOP DRAWINGS SHALL BE SUBMITTED VIA E-MAIL TO HYPERLINK "mailto:ADMIN@MUENGINEERS.COM" ADMIN@MUENGINEERS.COM.
3. PRINTED PAPER COPIES WILL NOT BE REVIEWED AND RETURNED WITHOUT MUENGINEERS' REVIEW.
4. THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER.
   - STEEL AND ALUMINUM RAILINGS
   - PRECAST RC PILES
5. DELEGATED ENGINEER SHALL POSSESS CURRENT PROFESSIONAL LICENSURE IN THE LOCALITY OF THE PROJECT AND SHALL MAINTAIN MINIMUM LIABILITY INSURANCE COVERAGE OF $1,000,000.
6. SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION.
7. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED
8. GENERIC PRODUCTS WILL NOT BE ACCEPTED.
9. SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE DELEGATED ENGINEER.
10. SHOP DRAWINGS AND CALCULATIONS REQUIRE THE SEAL, DATE AND SIGNATURE OF THE DELEGATED ENGINEER.
11. DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING DO NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.
12. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.
- REVIEW OF SUBMITTALS BY MUENGINEERS IS LIMITED TO VERIFYING THE FOLLOWING:
- THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
- THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE DELEGATED ENGINEER.
- THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. (NO DETAILED CHECK OF CALCULATIONS WILL BE MADE).
- THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE).
- SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED.

055213-RAILING:
1. THE CONFIGURATION OF THE RAILING SYSTEM SHALL BE AS SHOWN ON THE CIVIL DRAWINGS.
2. G.C. TO SUBMIT RAILING PRODUCT SAMPLE FOR OWNERSHIP AND ARCHITECT TO REVIEW
3. RAILING SYSTEM AND CONNECTIONS SHALL BE DESIGNED FOR APPLICABLE LOADS AS INDICATED ON THE PLANS AND IN THE LATEST EDITION OF THE FLORIDA BUILDING CODE.
4. THE LOADS SHALL BE CLEARLY INDICATED ON SHOP DRAWINGS.
5. SHOP DRAWINGS SHALL SHOW AND SPECIFY CONNECTIONS UTILIZED WITHIN THE RAILING SYSTEM AS WELL AS CONNECTIONS TO AND LOADS IMPOSED UPON THE STRUCTURAL SYSTEM SHOWN ON THESE PLANS.
6. ENGINEERED RAILING SYSTEM AND CONNECTION OF SAME TO THIS STRUCTURE SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SUBMIT SHOP DRAWINGS BEARING THE SEAL AND THE SIGNATURE OF THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

ABBREVIATIONS:
THE FOLLOWING ABBREVIATIONS MAY BE USED IN THE DRAWINGS.

#	NUMBER
&	AND
@	AT
ABV.	ABOVE
ADDL	ADDITIONAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
BLDG	BUILDING
BRDG	BRIDGING
C/C	CENTER TO CENTER SPACING
CMU	CONCRETE MASONRY UNIT
COORD	COORDINATE
D&E	DRILL AND EPOXY
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EF	EACH FACE
EMBED	EMBEDMENT, EMBEDDED
EQ	EQUAL
EXP	EXPANSION
FBC	FLORIDA BUILDING CODE
f'c=	28 DAY CONCRETE STRENGTH=
FLR	FLOOR
Fy=	YIELD STRENGTH=
GA	GAGE
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
IN	INCH
INFO	INFORMATION
K	KIPS (1000 LBS)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
NWC	NORMALWEIGHT CONCRETE
Ø	ROUND, DIAMETER
OC	ON CENTER
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RC	REINFORCED CONCRETE
REF	REFERENCE
REINF	REINFORCEMENT
REQD	REQUIRED
REV	REVISION
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATION
STD	STANDARD
SYMM	SYMMETRIC, SYMMETRICAL
SYS	SYSTEM
TEMP	TEMPORARY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VERT	VERTICAL
W/	WITH
W/O	WITH OUT

LEGENDS

SECTION NUMBER

1 / S0.3

SHEET WHERE SECTION IS DRAWN

SECTION MARK

DETAIL NUMBER

1 / S0.3

SHEET WHERE DETAIL IS DRAWN

DETAIL MARK

ELEVATIONS SYMBOLS

2ND FLOOR
EL: +1122'-0"

FLOOR LEVEL
ELEVATION

EL: +1122'-0"

SPOT ELEVATION TO TOP SURFACE OF ELEMENT U.N.O.

BEAM SCHEDULE

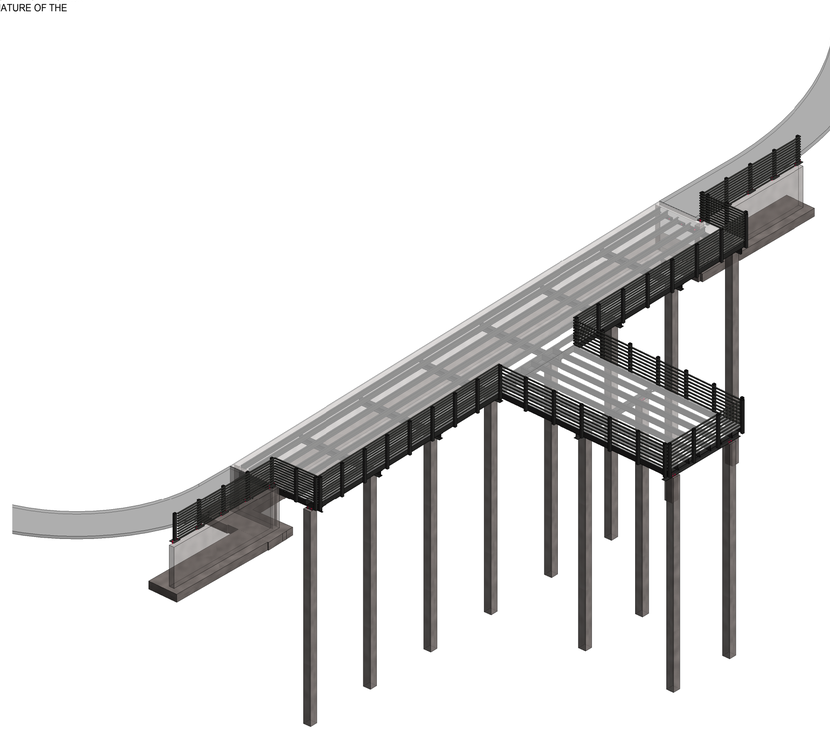
MARK	Description	COMMENTS
C8x13.7	STEEL CHANNEL	
CSCS8x7.86 ALUMINUM 6061-T6	ALUMINUM JOIST	
L6x4x3/4	STEEL ANGLE	
WF8X8.32 ALUMINUM 6061-T6	ALUMINUM GIRDER	

WALL SCHEDULE

TYPE MARK	Description	COMMENTS
RCW-1	8" LOAD BEARING RC WALL REINFORCED WITH #5@8" C/C EACH WAY AT CENTER	

FOUNDATION SCHEDULE

Type	WIDTH	LENGTH	FOUNDATION THICKNESS	BOTTOM REINFORCING LW	BOTTOM REINFORCING SW	TOP REINFORCING LW	TOP REINFORCING SW	COMMENTS
CF48	4'-0"	CONT	12"	#6@12" C/C	#3@16"C/C	#6@12" C/C	#3@16" C/C	



SHEET INDEX

NOTE: MUE18051602
THESE DRAWINGS, ALONG WITH THE CIVIL DRAWINGS, LANDSCAPE DRAWINGS AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT.
DETAILS AND VIEWS ON THIS SHEET ARE TO SCALE INDICATED WHEN PRINTED ON A 22x34 SIZE SHEET.

CHEN•MOORE &ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

REGISTRATION

MARCUS O. UNTERWEGER
FL P.E. # 63860
DECEMBER 17, 2018

SUB-CONSULTANT

MUEngineers, Inc.
Certificate of Authorization No.29348
CONSULTING STRUCTURAL ENGINEERS
3440 N.E. 12TH AVENUE
OAKLAND PARK, FL 33334
PH: 954-324-4730

CLIENT

THE VILLAGE OF WELLINGTON
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION

ESSEX PARK OBSERVATION PLATFORM

PROJECT NUMBER

MUE18051602

CLIENT PROJECT NUMBER

VERIFY SCALES
0 — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

DATE OF ISSUE

10/31/18

DESIGNED BY

GS

DRAWN BY

CF

CHECKED BY

MUE

DRAWING TITLE

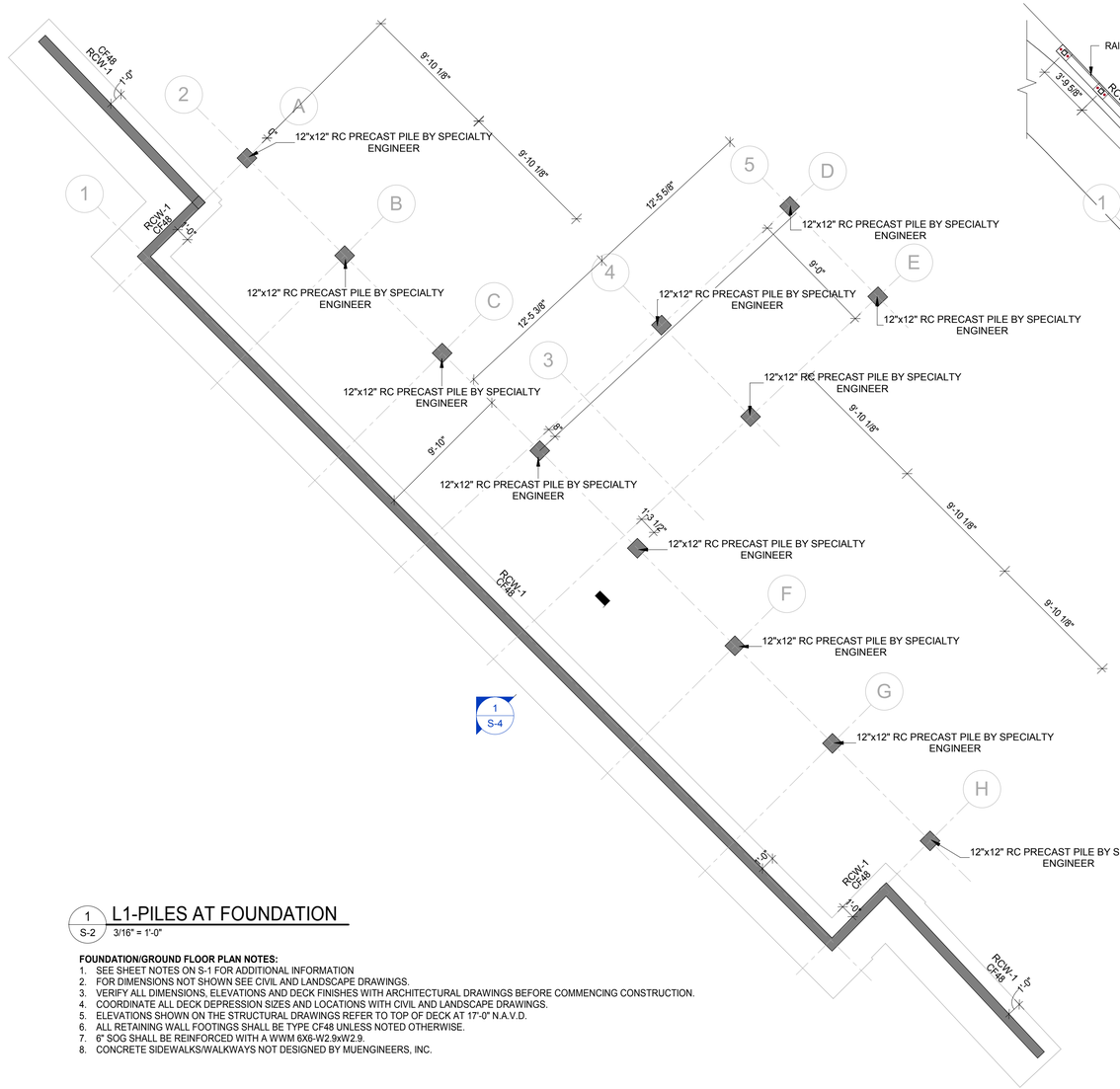
STRUCTURAL NOTES

SHEET NUMBER

S-1

09 OF 15

Plot Date: --- Username: radams Layout Name: PRO-1
Folder Path: V:\Projects\2018\18-350.001 - Essex Park Observtn Platfrm-1250 Essex Dr\Design\CAD\Plans Filename: 18-350.001 Proposed Plan.dwg



1 L1-PILES AT FOUNDATION
S-2 — 3/16" = 1'-0"

FOUNDATION/GROUND FLOOR PLAN NOTES:
1. SEE SHEET NOTES ON S-1 FOR ADDITIONAL INFORMATION
2. FOR DIMENSIONS NOT SHOWN SEE CIVIL AND LANDSCAPE DRAWINGS.
3. VERIFY ALL DIMENSIONS, ELEVATIONS AND DECK FINISHES WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
4. COORDINATE ALL DECK DEPRESSION SIZES AND LOCATIONS WITH CIVIL AND LANDSCAPE DRAWINGS.
5. ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO TOP OF DECK AT 17'-0" N.A.V.D.
6. ALL RETAINING WALL FOOTINGS SHALL BE TYPE CF48 UNLESS NOTED OTHERWISE.
7. 6" SOG SHALL BE REINFORCED WITH A WWM 6X6-W2.9xW2.9.
8. CONCRETE SIDEWALKS/WALKWAYS NOT DESIGNED BY MUENGINEERS, INC.

STEEL JOIST FLOOR NOTES:
1. MAXIMUM SPACING OF ALUMINUM JOISTS TO BE 1' - 9" UNLESS NOTED OTHERWISE ON PLAN.
2. L1 = JOIST SUPPORT ANGLE, 3"x3"x1/2" WITH 5/8" DIAMETER ANCHOR BOLTS AT 16" C/C MAXIMUM.

WOOD FRAMED FLOOR AND WALL NOTES:
1. SEE THE FOUNDATION AND GROUND FLOOR PLAN FOR ADDITIONAL SHEET NOTES
2. DECK SHEATHING SHALL BE MINIMUM 2X6 "TREX" DECK (OR EQUAL) FASTENED INTO PREDRILLED HOLES W/ 2 #10 S.S. SELF TAPPING SCREWS PER JOIST

ALUMINUM SHEET NOTES
1. SEE THE FOUNDATION AND GROUND FLOOR PLAN FOR ADDITIONAL SHEET NOTES
2. THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL ALUMINUM SHALL CONFORM TO THE ALUMINUM DESIGN MANUAL 2010.
3. ALL ALUMINUM MEMBERS SHALL BE 6061-T6 ALUMINUM ALLOY.
4. ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN SECTION 2003.2 AND THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING COPE-ALUMINUM (P1.2).
5. BOLTS AND OTHER FASTENERS SHALL BE ALUMINUM, STAINLESS STEEL, HOT-DIP OR ELECTROGALVANIZED STEEL. DOUBLE CADMIUM PLATED STEEL BOLTS MAY ALSO BE USED.
6. ALUMINUM PARTS SHALL BE WELDED WITH AN INERT-GAS-SHIELDED ARC OR RESISTANCE WELDING PROCESS. NO WELDING PROCESS THAT REQUIRES A WELDING FLUX SHALL BE USED. FILLER ALLOYS COMPLYING WITH THE REQUIREMENTS OF THE STANDARD IN THIS CHAPTER SHALL BE USED.
7. ALL WELDING OF STRUCTURAL ALUMINUM MEMBER SHALL BE PERFORMED BY CERTIFIED WELDERS.
8. ALUMINUM SURFACES IN CONTACT WITH LIME-MORTAR, CONCRETE, OR OTHER MASONRY MATERIALS, SHALL BE PROTECTED WITH ALKALI-RESISTANT COATINGS, SUCH AS HEAVY-BODIED BITUMINOUS PAINT OR WATER-WHITE METHACRYLATE LACQUER.
9. ALL CONNECTION TO BE WELDED USE 1/" MIN. WELD SIZE, TYPICAL, U.N.O.
10. WHERE INDICATED MEMBER TO MEMBER CONNECTION USE ALUMINUM FILLER ALLOY 5356. ALL AROUND ALLOWABLE STRESS FOR WELDING FV=7.0 KS
11. ALL EXTERIOR AND EXPOSED NAILS AND SCREWS SHALL BE STAINLESS STEEL
12. ALL FIELD WELDS SHALL BE COATED WITH TWO COATS OF CORROSION INHIBITING SINK RICH MARINE GRADE PAINT

2 L2-DECK LEVEL
S-2 — 3/16" = 1'-0"

NOTE: MUE18051602
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CHEN•MOORE &ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

REGISTRATION

MARCUS O. UNTERWEGER
FL P.E. # 63860
DECEMBER 17, 2018

SUB-CONSULTANT
MUEngineers, Inc.
Certificate of Authorization No.29348
CONSULTING STRUCTURAL ENGINEERS
3440 N.E. 12TH AVENUE
OAKLAND PARK, FL 33334
PH: 954-324-4730

CLIENT
THE VILLAGE OF WELLINGTON
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION
ESSEX PARK OBSERVATION PLATFORM

PROJECT NUMBER
MUE18051602
CLIENT PROJECT NUMBER

VERIFY SCALES
0 — 1"
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REVISIONS

No.	Description	Date

DATE OF ISSUE
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DRAWN BY
Author
CHECKED BY
Checker
DRAWING TITLE
PLANS

SHEET NUMBER
S-2
10 OF 15

Plot Date: ---- Username: radams Layout Name: PRO-1
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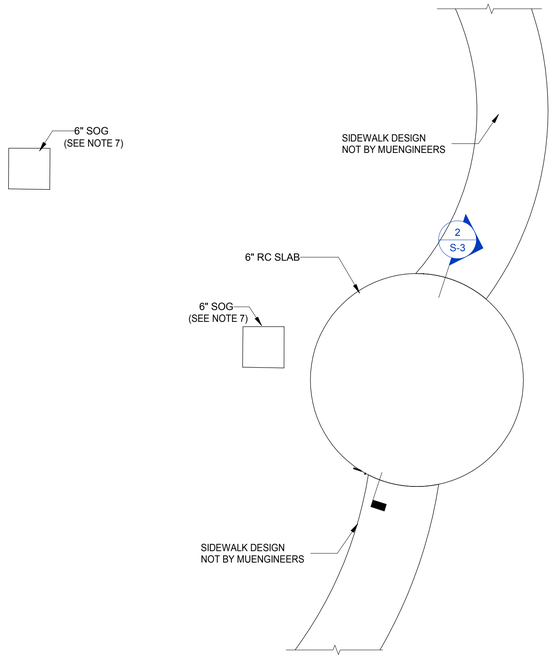
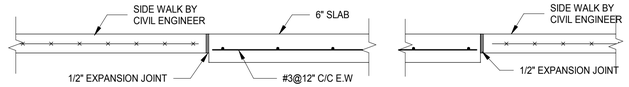


1 S-3 L2-DECK LEVEL
3/16" = 1'-0"



2 S-3 2/S-2A
3/4" = 1'-0"

FOUNDATION/GROUND FLOOR PLAN NOTES:

1. SEE SHEET NOTES ON S-1 FOR ADDITIONAL INFORMATION
2. FOR DIMENSIONS NOT SHOWN SEE CIVIL AND LANDSCAPE DRAWINGS.
3. VERIFY ALL DIMENSIONS, ELEVATIONS AND DECK FINISHES WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
4. COORDINATE ALL DECK DEPRESSION SIZES AND LOCATIONS WITH CIVIL AND LANDSCAPE DRAWINGS.
5. ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO TOP OF DECK AT 17'-0" N.A.V.D.
6. ALL RETAINING WALL FOOTINGS SHALL BE TYPE CF48 UNLESS NOTED OTHERWISE.
7. 6" SOG SHALL BE REINFORCED WITH A WWM 6X6-W2.9xW2.9.
8. CONCRETE SIDEWALKS/WALKWAYS NOT DESIGNED BY MUENGINEERS, INC.

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&ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

REGISTRATION

MARCUS O. UNTERWEGER
FL P.E. # 63860
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CONSULTING STRUCTURAL ENGINEERS
3440 N.E. 12TH AVENUE
OAKLAND PARK, FL 33334
PH: 954-324-4730

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Engineering Department
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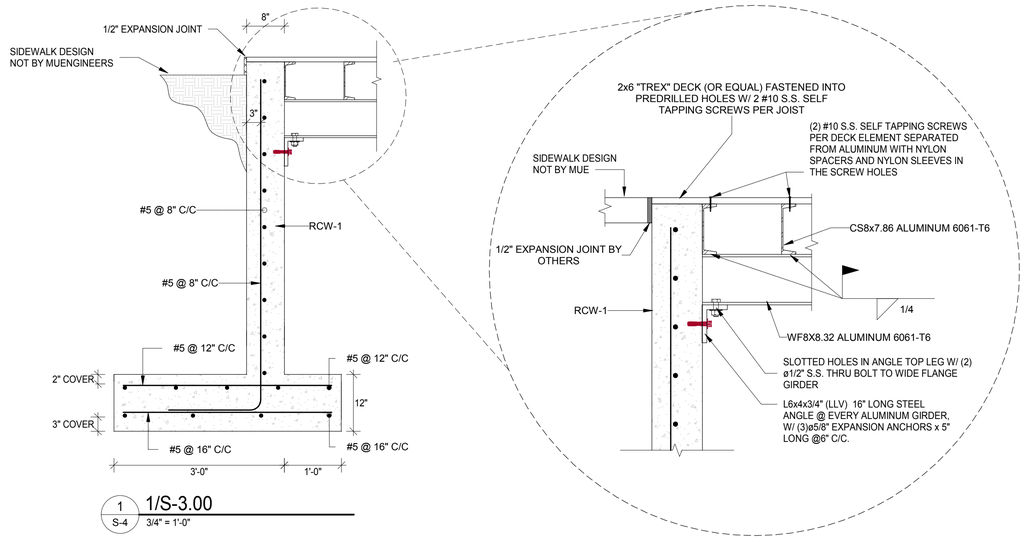
Designer

DRAWN BY
Author

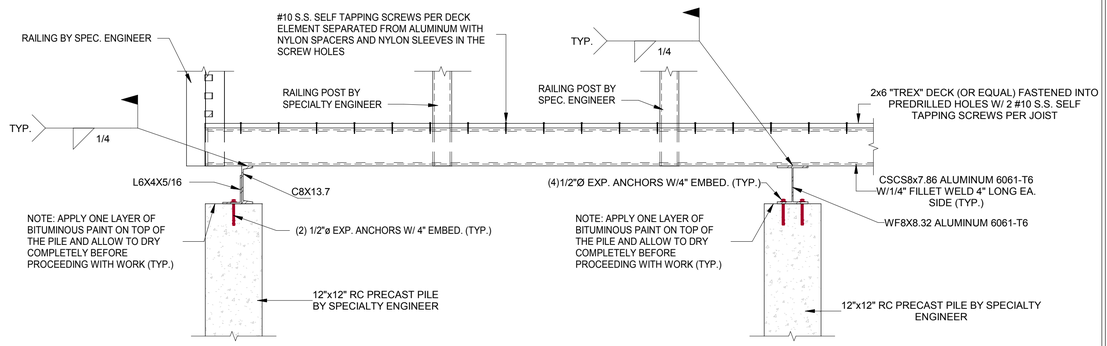
CHECKED BY
Checker

DRAWING TITLE
PARTIAL PLAN DETAILS

SHEET NUMBER
S-3
11 OF 15

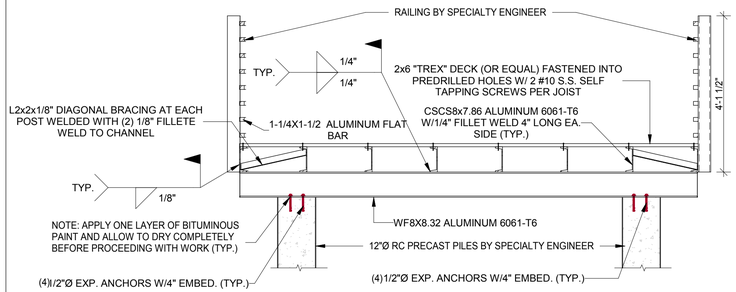


1 S-4 **1/S-3.00**
3/4" = 1'-0"



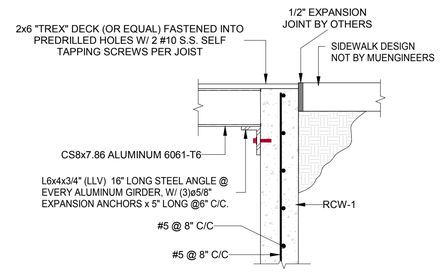
2 S-4 **2/S-3.00**
3/4" = 1'-0"

NOTE: ALL STEEL MEMBERS AND HARDWARE SHALL BE STAINLESS STEEL U.N.O.



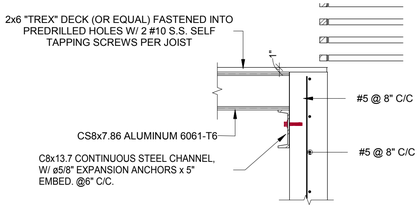
3 S-4 **3/S-3.00**
1/2" = 1'-0"

NOTE: ALL STEEL MEMBERS AND HARDWARE SHALL BE STAINLESS STEEL U.N.O.
G.C. TO SUBMIT RAILING PRODUCT SAMPLE FOR OWNERSHIP AND ARCHITECT TO REVIEW



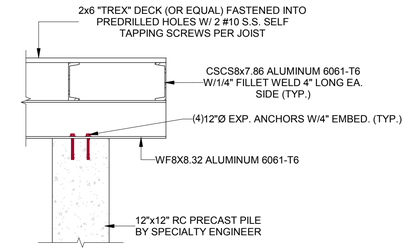
4 S-4 **4/S-3.00**
3/4" = 1'-0"

NOTE: ALL STEEL MEMBERS AND HARDWARE SHALL BE STAINLESS STEEL U.N.O.



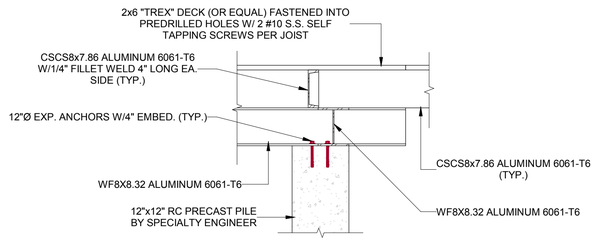
5 S-4 **5/S-3.00**
3/4" = 1'-0"

NOTE: ALL STEEL MEMBERS AND HARDWARE SHALL BE STAINLESS STEEL U.N.O.

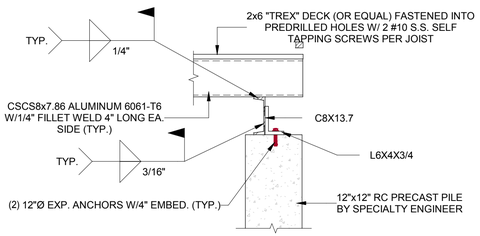


6 S-4 **6/S-3.00**
3/4" = 1'-0"

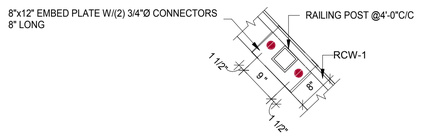
NOTE: ALL STEEL MEMBERS AND HARDWARE SHALL BE STAINLESS STEEL U.N.O.



7 S-4 **7/S-3**
3/4" = 1'-0"



8 S-4 **8/S-3.00**
3/4" = 1'-0"



9 S-4 **9/S-3.00**
3/4" = 1'-0"

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CHEN•MOORE
&ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

REGISTRATION

MARCUS O. UNTERWEGER
FL P.E. # 63860
DECEMBER 17, 2018

SUB-CONSULTANT

MUEngineers, Inc.
Certificate of Authorization No.29348
CONSULTING STRUCTURAL ENGINEERS
3440 N.E. 12TH AVENUE
OAKLAND PARK, FL 33334
PH: 954-324-4730

CLIENT

THE VILLAGE OF WELLINGTON
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION

ESSEX PARK OBSERVATION PLATFORM

PROJECT NUMBER
MUE18051602
CLIENT PROJECT NUMBER

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REVISIONS

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DATE OF ISSUE
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Designer
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Author
CHECKED BY
Checker

DRAWING TITLE
SECTIONS & SCHEDULES

SHEET NUMBER
S-4
12 OF 15

Plot Date: --- Username: radams Layout Name: PRO-1
Folder Path: V:\Projects\2018\18-350.001 - Essex Park Obsrvtn Platfrm-1250 Essex Dr\Design\CAD\Plans Filename: 18-350.001 Proposed Plan.dwg

Scale: 1:10
North

1"=10'-0"

10 5 0 10'

NOTE:
THIS DRAWING SHOWS ELECTRICAL PLAN ONLY. SEE CIVIL AND STRUCTURAL FOR NON-ELECTRICAL COMPONENTS.

DOCK LIGHTING TRANSFORMER RECESSED BOX

2#10, 1#10G-1"C (TYP)

EXISTING SERVICE POINT 'A'

Ex WM

WM

Ex WV

WV

Ex W

W

Plot Date: 2/11/2019 2:42:23 PM Username: Steve Layout Name: E-1
Folder Path: M:\SEC 2018\518030 Chen-Moore - VOW Essex Park Dock Lighting\Electrical Dwgs Filename: E-1 Proposed Plan.dwg

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&ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425

REGISTRATION
LARRY M. SMITH
REGISTRATION NO. 45997
DATE: _____

SUB-CONSULTANT

SEC Smith Engineering Consultants, Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Florida 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

CLIENT

The Village of Wellington
Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

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VILLAGE OF WELLINGTON, FL

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DRAWN BY
SPH

CHECKED BY
LMS

DRAWING TITLE

ELECTRICAL SITE PLAN

DRAWING NUMBER
E-1
13 OF 15

ELECTRICAL NOTES:

1. THE SCOPE OF WORK SHALL CONSIST PRIMARILY OF THE FOLLOWING:
   A. PROVIDE AND INSTALL NEW BOLLARD LIGHTING COMPLETE.
   B. PROVIDE AND INSTALL NEW DOCK LIGHT FIXTURES COMPLETE.
   C. PROVIDE AND INSTALL CONDUIT AND WIRING AS PER PLANS COMPLETE.
2. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.
3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE, 2017 FLORIDA BUILDING CODE (6TH EDITION) AND ALL LOCAL CODES.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS AND TO INCLUDE ALL FEES AS PART OF HIS BID IF NOT OTHERWISE NOTED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ENGINEER AND OWNER.
5. THE CONTRACTOR SHALL, BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
6. ALL EQUIPMENT AND MATERIAL SHALL BE NEW AND UNUSED AND U.L. LISTED.
7. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL SYSTEMS INSTALLED OR MODIFIED UNDER THIS PROJECT AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER.
8. ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.
9. COORDINATE ALL ELECTRICAL EQUIPMENT LOCATIONS AND VERIFY ALL OBSTRUCTIONS WITH ALL SUBCONTRACTORS AND EQUIPMENT SUPPLIERS PRIOR TO ANY INSTALLATION.
10. ALL EXCAVATIONS FOR CONDUITS AND HANDHOLES, NEAR EXISTING CONDUIT AND EQUIPMENT SHALL BE HAND EXCAVATED.
11. MINIMUM DEPTH FROM TOP OF CONDUITS TO FINISHED GRADE SHALL BE 24" UNLESS OTHERWISE NOTED.
12. PROVIDE CONDUIT DUCT SEAL AT ALL CONDUIT ENDS.
13. ALL CONDUCTORS SHALL BE COPPER, THHN/THWN, 600 VOLT RATED.
14. COLORED WARNING TAPE 3" WIDE SHALL BE INSTALLED 6" BELOW FINISHED GRADE DIRECTLY ABOVE ALL UNDERGROUND CONDUITS ACCORDING TO THE FOLLOWING SCHEDULE:
    POWER: RED
15. ALL ABOVE GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. SCHEDULE 40 P.V.C. SHALL BE USED UNDERGROUND.
16. ALL CONDUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR INSTALLED FOR GROUNDING, WHETHER OR NOT INDICATED ON THE PLANS.
17. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING EQUIPMENT: LIGHT FIXTURES, CIRCUIT BREAKERS, CONDUIT AND WIRE.
18. CONTRACTOR SHALL, WITHIN 30 DAYS AFTER THE DATE OF THE SYSTEM ACCEPTANCE, PROVIDE TO THE BUILDING OWNER RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING A SINGLE LINE DIAGRAM OF THE ELECTRICAL DISTRIBUTION SYSTEM AND RELATED FLOOR PLANS INDICATING THE LOCATION AND AREA SERVED FOR THE DISTRIBUTION.
19. CONTRACTOR SHALL PROVIDE TO THE OWNER AN OPERATING AND MAINTENANCE MANUAL IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION C405.6.4.2 OF THE 2017 FLORIDA BUILDING CODE – ENERGY CONSERVATION, INCLUDING ANY AMENDMENTS THERETO.

EXISTING PANEL "A"

MOUNTING: SURFACE
SHORT CIRCUIT RATING: 10K AIC
POLES: 8
FED FROM PANEL: FPL METER

VOLT: 240/120V,1Ø,3W
MAIN BUS AMPS: 100 A
MAIN BREAKER AMPS: MLO A
MANUFACTURER/TYPE: NEMA 3R GE

CKT	LOAD SERVED	POLE	TRIP	SETS	WIRE	GRD	COND	LOAD	LOAD	COND	GRD	WIRE	SETS	TRIP	POLE	LOAD SERVED	CKT
1	IRRIGATION PUMP (1HP)	2	20	1	10	8	1"	1,920	100	3/4"	12	12	1	20	1	EXIST. TIME CLOCK	2
3	(EXISTING)	"	-	-	-	-	-		**1,000**	**1"**	**10**	**10**	**1**	**20**	**1**	**NEW DOCK LTG (2)**	4
5	SPACE	"	-											-	"	SPACE	6
7	SPACE															SPACE	8
9	SPACE															SPACE	10
11	SPACE															SPACE	12

CONNECTED LOAD = 3,020 VA
CONNECTED AMPS = 13 AMPS

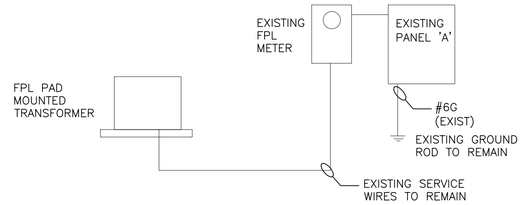
Notes: (1) MAX 3% VD ON BRANCH CIRCUITS AS PER FBC
(2) PROVIDE NEW 1P-20A-120V CIRCUIT BREAKER IN SPACE

PANEL "A" LOAD CALCULATION

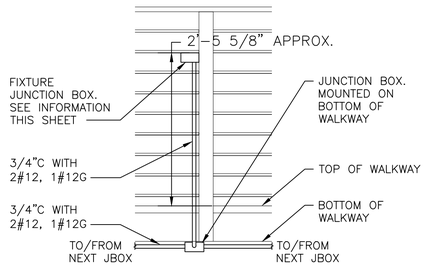
EXISTING LOAD	2.0 KVA
NEW LIGHTING	1.0 KVA
TOTAL LOAD	3.0 KVA

3.0 KVA @ 120/240V = 13 AMPS

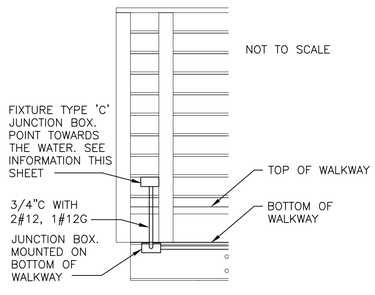
THEREFORE THE EXISTING 100A SERVICE IS ADEQUATE



EXISTING SERVICE POINT 'A' SINGLE LINE DIAGRAM
120/240V, 3 PHASE, 4 WIRE



FIXTURE TYPE 'A' INSTALLATION
NOT TO SCALE



FIXTURE TYPE 'C' INSTALLATION
NOT TO SCALE

NOTES:
1. DOCK FIXTURES TYPE 'A' AND 'C' ARE 12 VOLT.
2. ALL WIRING SHALL BE INSTALL IN SCH. 80 PVC CONDUIT AND SECURED TO THE DOCK MAX. 3' SPACING.
3. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.

100% SUBMITTAL

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500 Australian Avenue South
Suite 850
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REGISTRATION
LARRY M. SMITH
REGISTRATION NO. 45997
DATE: _____

SUB-CONSULTANT
SEC Smith Engineering Consultants, Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Florida 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

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12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION

ESSEX PARK OBSERVATION PLATFORM

VILLAGE OF WELLINGTON, FL.

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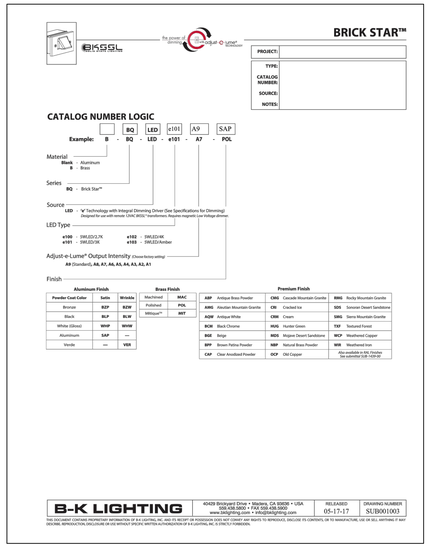
SPH

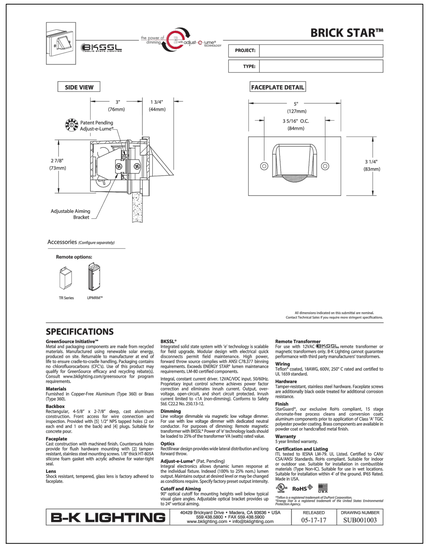
DRAWN BY
SPH

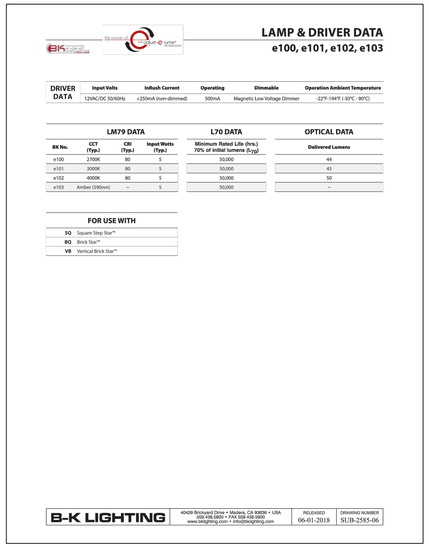
CHECKED BY
LMS

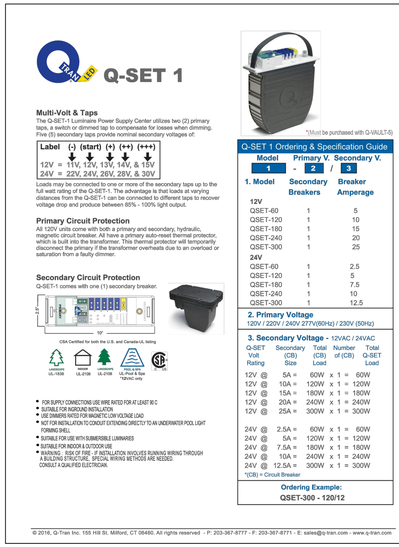
DRAWING TITLE
SINGLE LINE DIAGRAM AND ELECTRICAL NOTES

DRAWING NUMBER
E-2
14 OF 15









FIXTURE TYPE 'A' DETAIL
NOT TO SCALE (MOUNTED TO HANDRAIL)

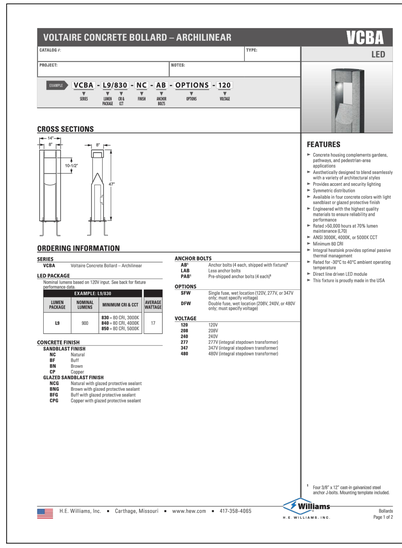
FIXTURE TYPE 'C' DETAIL
NOT TO SCALE (MOUNTED TO DOCK)

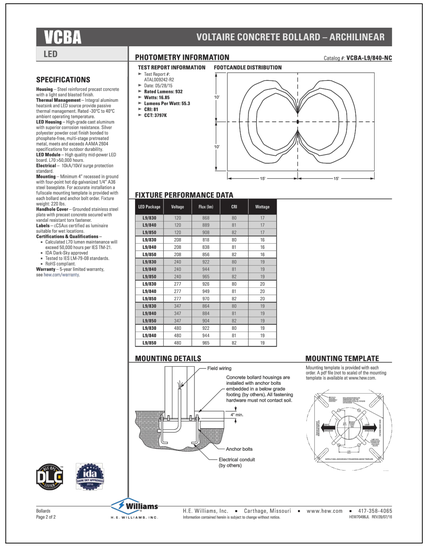
ESSEX PARK
LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS Qty	LAMPS Type	LAMPS Total Wattage	VOLTS	MOUNTING	REMARKS
A	B-K LIGHTING	BQ-LED-e101-A9-SAP	LED BRICK STAR LIGHT	INCL	LED	5	12	SURFACE	
B	H.E. WILLIAMS	VCBA-L9/830-NC-AB-SFW-120	CONCRETE BOLLARD	INCL	LED	17	120	BOLLARD	PROVIDE CONCRETE BASE
C	B-K LIGHTING	BQ-LED-e101-A9-SAP	LED BRICK STAR LIGHT	INCL	LED	5	12	SURFACE	PROVIDE WITH RED LENS
	Q-TRAN	QSET-300-120/12	120/12V TRANSFORMER FOR LED LIGHTING				120/12	FLUSH	FLUSH MOUNTED TRANSFORMER MOUNT IN JUNCTION BOX IN GROUND NEXT TO DOCK ENTRANCE
LIGHTING SCHEDULE NOTES:									
1. THE ABOVE FIXTURE SCHEDULE IS PREDICATED ON PERFORMANCE AND IS DESIGNED TO MEET CERTAIN AESTHETIC CRITERIA. ALL ALTERNATIVE SELECTIONS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL TEN (10) DAYS PRIOR TO BID DATE.									

WINDLOAD NOTE:

BOLLARD INSTALLATION SHALL BE SUITABLE FOR WIND LOAD IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. THE CONTRACTOR SHALL INCLUDE WITH THE SHOP DRAWING SUBMITTAL, A POLE WIND LOADING CALCULATION SEALED BY A STRUCTURAL ENGINEER REGISTERED IN FLORIDA SHOWING THAT THE PROPOSED INSTALLATION WILL MEET THE WIND LOADING REQUIREMENT.





FIXTURE TYPE 'B' DETAIL
NOT TO SCALE

100% SUBMITTAL

CHEN•MOORE &ASSOCIATES
500 Australian Avenue South
Suite 850
West Palm Beach, FL 33401
561.746.6900
www.chenmoore.com
CERTIFICATES OF AUTHORIZATION
EB4593 LC26000425
REGISTRATION
LARRY M. SMITH
REGISTRATION NO. 45997
DATE: _____
SUB-CONSULTANT
SEC Smith Engineering Consultants, Inc.
State Auth.: 8822B
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Florida 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com
CLIENT
THE VILLAGE OF WELLINGTON Engineering Department
12300 Forest Hill Boulevard, Wellington, Florida 33414

PROJECT INFORMATION

ESSEX PARK OBSERVATION PLATFORM

VILLAGE OF WELLINGTON, FL

PROJECT NUMBER
18-350.001

CLIENT PROJECT NUMBER

VERIFY SCALES
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

DATE OF ISSUE
12/18/18

DESIGNED BY
SPH

DRAWN BY
SPH

CHECKED BY
LMS

DRAWING TITLE

LIGHTING FIXTURE DETAILS AND SCHEDULE

DRAWING NUMBER
E-3
15 OF 15