

T-Mobile

stick together

LAKE SIDE PARK

5555 REGENCY BLVD
COCONUT CREEK, FL 33073

6FB1173B

LTE OVERLAY

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OCT 1 2012

MORRISON HERSHFIELD CORP

ROBERT JERRY LARA
REGISTERED ARCHITECT
STATE OF FLORIDA
AR92824

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B	08/09/12	REVISED
A	08/02/12	PRELIMINARY
No.	Date	Action

Client:

stick together

1300 CONCORD TERRACE
SUITE 200
SUNRISE, FL. 33323

Consultant:

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Project:

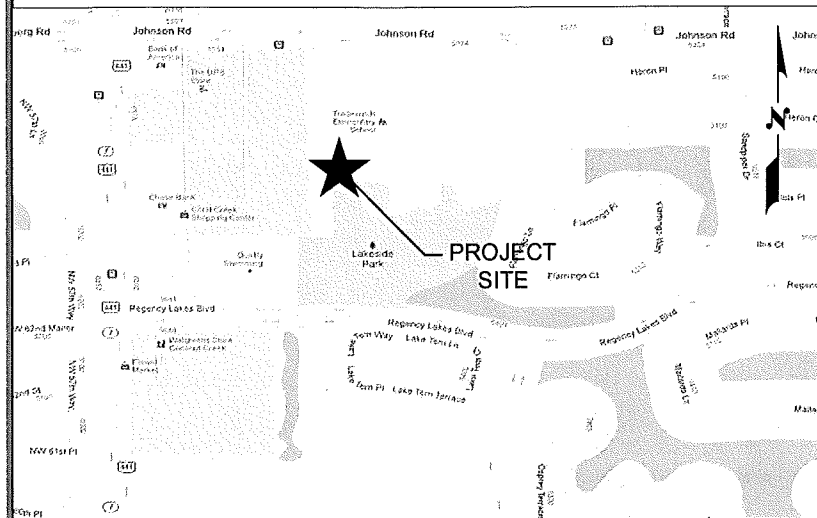
LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:

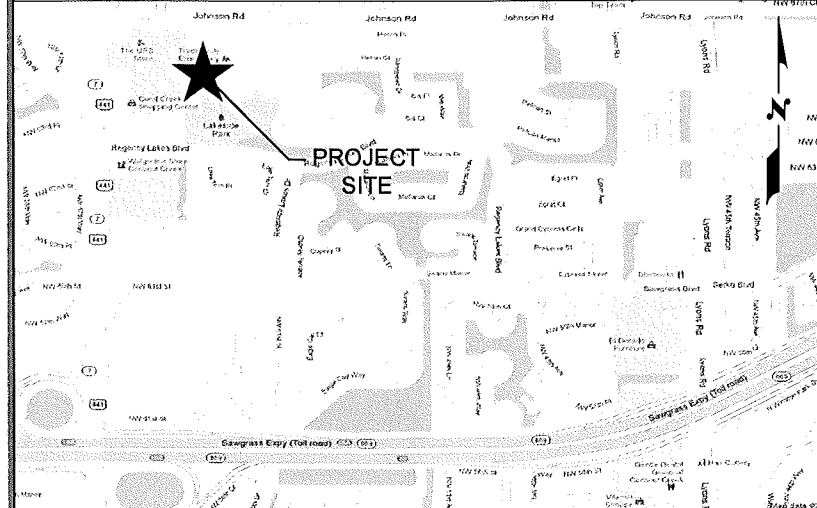
COVER SHEET

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.: 0	Drawing No.: T-1

LOCAL MAP



VICINITY MAP



DRIVING DIRECTIONS

FROM T-MOBILE'S OFFICE: HEAD NORTH THEN EAST ON SAWGRASS EXPY N FOR 17.2 MILES TO US-441, HEAD NORTH FOR 1.1 MILES TO REGENCY LAKES BLVD, TURN RIGHT AND HEAD EAST FOR 0.1 MILES TO SITE ON LEFT SIDE OF THE ROAD

SCOPE OF WORK

INSTALLATION OF NEW UNMANNED T-MOBILE TELECOMMUNICATIONS EQUIPMENT WITHIN EXISTING FENCED COMPOUND AND REPLACEMENT ANTENNAS ON EXISTING TOWER. CONNECTIONS TO EXISTING POWER SUPPLY.

PROPERTY SUMMARY

PARCEL #: 4842-06-16-0012
LATITUDE: 26° 18' 36.20" N
LONGITUDE: 80° 11' 58.10" W
ZONING JURISDICTION: CITY OF COCONUT CREEK
ZONING CLASSIFICATION: RECREATIONAL

LEGAL DESCRIPTION

REGENCY LAKES AT COCONUT CREEK 157-23 B PART OF PARCEL A DESC'D AS, COMM AT SW COR TR A OF SAWGRASS PK OF COMMERCE COMM SEC B, E 214.18, S 30, E 426.56 TO POB, E 144.31, N 285.03, E 254.66, S 99.99, E 438.79 TO P/I, SLY & WLY 576.15, WLY & S 147.42, SLY 5.58, WLY 213.60, WLY 200, NLY 330.41 TO POB AKA: PARK SITE-REGENCY LAKES AT COCONUT CREEK

APPLICABLE CODES

- THE CONTRACTOR WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) OVER THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
- CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION TO THE FOLLOWING STANDARDS:
- 2010 FLORIDA BUILDING CODE - BUILDING
 - NFPA 55 STANDARD FOR THE STORAGE USE, AND HANDLING OF COMPRESSED GASES & CRYOGENIC FLUIDS IN PORTABLE & STATIONARY CONTAINERS, CYLINDERS & TANKS - 2010 EDITION.
 - NFPA 853 - STANDARD OF INSTALLATION OF STATIONARY FUEL CELL POWER SYSTEMS - 2010 EDITION.
 - 2010 FLORIDA BUILDING CODE - MECHANICAL
 - 2010 FLORIDA BUILDING CODE FUEL GAS
 - ASCE 7-10
 - ANSI/EIA/TIA-222-G.
 - NATIONAL ELECTRICAL CODE (NFPA 70-2008).
 - FLORIDA FIRE PREVENTION CODE 2010.
 - CITY AND/OR COUNTY ORDINANCES.

DESIGN CRITERIA

DESIGN WIND SPEED: 170 MPH (3-SECOND GUST)
EXPOSURE: C
RISK CATEGORY: II
OPEN STRUCTURE

CONTACTS

APPLICANT:
T-MOBILE USA
1300 CONCORD TERRACE
SUITE 200
SUNRISE, FL 33323

PROPERTY OWNER CONTACT:
LANDLORD: CITY OF COCONUT CREEK
ADDRESS: 4800 WEST COPANS ROAD
CITY, STATE, ZIP: COCONUT CREEK, FL 33063

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION	REV. NO.
T1	COVER SHEET	0
T2	NOTES	0
C1	COMPOUND PLAN	0
C2	EQUIPMENT PLANS	0
C3	ANTENNA LAYOUTS	0
C4	ELEVATION	0
C5	DETAILS	0
C6	CABINET MOUNTING DETAILS	0
E1	ELECTRICAL PLAN AND NOTES	0
E2	ELECTRICAL DETAILS	0
E3	ELECTRICAL AND GROUNDING DETAILS	0

APPROVALS

PROPERTY OWNER	_____
RF ENGINEER	_____
CONSTRUCTION	_____
SITE ACQUISITION	_____
ZONING	_____
NETWORK	_____
OPERATIONS	_____
CONTRACTOR	_____

APPROVALS

DESIGN BASED ON RFDS VERSION V1.
CONTRACTOR SHALL REQUEST T-MOBILE FOR CURRENT RFDS PRIOR TO CONSTRUCTION



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ARCHITECTURAL GENERAL NOTES

1. WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. ALL NECESSARY LICENSES, CERTIFICATES, ETC., REQUIRED BY AUTHORITY HAVING JURISDICTION SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
2. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS AT THE JOB SITE WHICH COULD AFFECT THE WORK UNDER THIS CONTRACT. ALL MANUFACTURERS RECOMMENDED SPECIFICATIONS, EXCEPT THOSE SPECIFICATIONS HEREIN, WHERE MOST STRINGENT SHALL BE COMPLIED WITH.
3. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY AND ALL MECHANICAL, ELECTRICAL, PLUMBING, OR STRUCTURAL ELEMENTS, AND THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE MET. NOTIFY THE CONSULTANT OF ANY CONFLICTS. THE CONSULTANT HAS THE RIGHT TO MAKE MINOR MODIFICATIONS IN THE DESIGN OF THE CONTRACT WITHOUT THE CONTRACTOR GETTING ADDITIONAL COMPENSATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEAN UP OF ALL TRADES AND REMOVE ALL DEBRIS FROM THE CONSTRUCTION SITE. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE BUILDING, SITE, AND ANY OTHER SURROUNDING AREAS TO A BETTER THAN NEW CONDITION.
5. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.
6. WHERE ONE DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS OR REFERRED TO IN THE SPECIFICATIONS, UNLESS NOTED OTHERWISE.
7. WHERE NEW PAVING, CONCRETE SIDEWALKS OR PATHS MEET EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MATCH THE EXISTING PITCH, GRADE, AND ELEVATION SO THE ENTIRE STRUCTURE SHALL HAVE A SMOOTH TRANSITION.
8. THE GENERAL CONTRACTOR SHALL OBTAIN WRITTEN CONFIRMATION OF THE EXPECTED DATE OF COMPLETION OF THE POWER CONNECTION FROM THE POWER COMPANY.
9. IF THE POWER COMPANY IS UNABLE TO PROVIDE THE POWER CONNECTION BY OWNER'S REQUIRED DATE, THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY GENERATOR UNTIL THE POWER COMPANY CONNECTION IS COMPLETED. COSTS ASSOCIATED WITH THE TEMPORARY GENERATOR TO BE APPROVED BY THE OWNER.
10. PLANS PART OF THIS SET ARE COMPLEMENTARY. INFORMATION IS NOT LIMITED TO ONE PLAN. DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY THE OWNER ON OTHER PROJECTS OR EXTENSION TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MORRISON HERSHFIELD. THESE PLANS WERE PREPARED TO BE SUBMITTED TO GOVERNMENTAL BUILDING AUTHORITIES FOR REVIEW FOR COMPLIANCE WITH APPLICABLE CODES AND IT IS THE SOLE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO BUILD ACCORDING TO APPLICABLE BUILDING CODES.
11. IF CONTRACTOR OR SUB-CONTRACTOR FIND IT NECESSARY TO DEVIATE FROM ORIGINAL APPROVED PLANS, THEN IT IS THE CONTRACTOR'S AND THE SUB-CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ARCHITECT WITH 4 COPIES OF THE PROPOSED CHANGES FOR HIS APPROVAL BEFORE PROCEEDING WITH THE WORK. IN ADDITION THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY APPROVALS FROM THE BUILDING AUTHORITIES FOR THE PROPOSED CHANGES BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY INSPECTIONS AND APPROVALS FROM BUILDING AUTHORITIES DURING THE EXECUTION OF THE WORK.
12. IN EVERY EVENT, THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL BE INTERPRETED TO BE A MINIMUM ACCEPTABLE MEANS OF CONSTRUCTION BUT THIS SHALL NOT RELIEVE THE CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER/MANUFACTURER FROM PROVIDING A COMPLETE AND CORRECT JOB WHEN ADDITIONAL ITEMS ARE REQUIRED TO THE MINIMUM SPECIFICATION. IF ANY ITEMS NEED TO EXCEED THESE MINIMUM SPECIFICATIONS TO PROVIDE A COMPLETE, ADEQUATE AND SAFE WORKING CONDITION, THEN IT SHALL BE THE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE DRAWINGS. FOR EXAMPLE, IF AN ITEM AND/OR PIECE OF EQUIPMENT REQUIRES A LARGER WIRE SIZE (I.E. ELECTRICAL WIRE), STRONGER OR LARGER PIPING, INCREASED QUANTITY (I.E. STRUCTURAL ELEMENTS), REDUCED SPACING, AND/OR INCREASED LENGTH (I.E. BOLT LENGTHS, BAR LENGTHS) THEN IT SHALL BE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE BID/PROPOSAL. THESE DOCUMENTS ARE MEANT AS A GUIDE AND ALL ITEMS REASONABLY INFERRED SHALL BE DEEMED TO BE INCLUDED.
13. THESE CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL NOT BE CONSTRUED TO CREATE A CONTRACTUAL RELATIONSHIP OF ANY KIND BETWEEN THE ARCHITECT AND THE CONTRACTOR.

IMPORTANT NOTICE

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. MORRISON HERSHFIELD CORPORATION CANNOT GUARANTEE THE CORRECTNESS NOR COMPLETENESS OF THE EXISTING CONDITIONS SHOWN AND ASSUMES NO RESPONSIBILITY THEREOF. CONTRACTOR AND HIS SUB-CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AS REQUIRED FOR PROPER EXECUTION OF PROJECT. REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CONSULTANT PRIOR TO CONSTRUCTION.

ELECTRICAL GENERAL NOTES

A. GENERAL

1. EXAMINE THE SITE CONDITIONS VERY CAREFULLY AND THE SCOPE OF PROPOSED WORK TOGETHER WITH THE WORK OF ALL OTHER TRADES AND INCLUDE IN THE BID PRICE ALL COSTS FOR WORK SUCH AS EQUIPMENT AND WIRING MADE NECESSARY TO ACCOMMODATE THE ELECTRICAL SYSTEMS SHOWN AND SYSTEMS OF OTHER TRADES.
2. OBTAIN ALL PERMITS, PAY ASSOCIATED FEES AND SCHEDULE INSPECTION.
3. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INSURANCE, AND SERVICES TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PRESENT IT AS FULLY OPERATIONAL TO THE SATISFACTION OF METRO-PCS & LAND/TOWER OWNER
4. PRIOR TO BEGINNING WORK COORDINATE ALL POWER AND TOWER WORK WITH THE LOCAL UTILITY COMPANY AS IT MAY APPLY TO THIS SITE. ALL WORK TO COMPLY WITH THE RULES AND REGULATIONS OF THE UTILITIES INVOLVED GENERAL CONTRACTOR IS RESPONSIBLE FOR VED. REQUESTING CONNECTION OF COMMERCIAL POWER FROM THE POWER COMPANY. ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
5. FABRICATION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM SHALL BE DONE IN A FIRST CLASS WORKMANSHIP PER NECA STANDARD 1-2000 BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH WORK AND SHALL SCHEDULE THE WORK IN AN ORDERLY MANNER SO AS NOT TO IMPEDE PROGRESS OF THE PROJECT.

B. BASIC MATERIALS AND METHODS

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE EDITION OF THE NEC ACCEPTED BY THE LOCAL JURISDICTION AND TO THE APPLICABLE LOCAL CODES AND REGULATIONS.
2. ARRANGE CONDUIT, WIRING, EQUIPMENT, AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCES AND ACCESS. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND FIT THE WORK IN EACH LOCATION WITHOUT SUBSTANTIAL ALTERATION. WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE.
3. THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ALL OFFSETS, BENDS, FITTINGS AND ACCESSORIES ARE NOT NECESSARILY SHOWN. PROVIDE ALL SUCH ITEMS AS MAY BE REQUIRED TO FIT THE WORK TO THE CONDITIONS.
4. SEAL AROUND CONDUITS AND AROUND CONDUCTORS WITHIN CONDUITS ENTERING THE MODULAR CABINETS WHERE PENETRATION OCCURS WITH A SILICONE SEALANT TO PREVENT MOISTURE PENETRATION INTO BUILDING.

C. CONDUCTORS AND CONNECTORS

1. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER, MINIMUM SIZE #12 AWG, WITH THERMOPLASTIC INSULATION CONFORMING TO NEMA WC5 OR CROSS-LINKED POLYETHYLENE INSULATION CONFORMING TO NEMA WC7. (TYPES THHN). INSULATION SHALL BE RATED FOR 90 DEG. CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC.
2. CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES. SPLICES ARE NOT ACCEPTABLE. IF SPLICES ARE UNAVOIDABLE PRIOR APPROVAL FROM THE ENGINEER MUST BE OBTAINED.

D. GROUNDING

1. ALL LIGHTNING PROTECTION GROUNDING OF THE ELECTRICAL EQUIPMENT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT NFPA STANDARDS.
2. ALL GROUND LUG AND COMPRESSION CONNECTIONS SHALL BE COATED WITH ANTI-OXIDANT AGENT, SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSIELD.
3. ALL EXTERIOR GROUNDING CONDUCTORS INCLUDING EXTERIOR GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE ANGLE OF ANY BEND SHALL NOT EXCEED 90°. GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING.
4. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY THERMO-WELDING WITH ERICO T-319 GALVANIZING BAR.
5. ALL EXTERNAL GROUND CONNECTIONS SHALL BE EXOTHERMICALLY WELDED. ALL EXOTHERMIC WELDS TO EXTERIOR GROUND RING SHALL BE THE PARALLEL TYPE, EXCEPT FOR THE GROUND RODS WHICH ARE TEE EXOTHERMIC WELDS. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING. USE SPRAY GALVANIZER SUCH AS HOLUB LECTROSOL #15-501.

PROJECT INFORMATION

1. THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
2. THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY AND IS EXEMPT FROM THE FLORIDA ENERGY REVIEW CODE.
3. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
4. NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
5. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
6. T-MOBILE MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

COMPOUND NOTES

1. THE MINIMUM LOWEST FIRST FLOOR ELEVATION SHALL NOT BE LESS THAN 4" ABOVE CROWN OF ROAD OR THE FEDERAL AND/OR COUNTY FLOOD CRITERIA ELEVATION, WHICHEVER IS HIGHER. CONTRACTOR SHALL SUBMIT AN ELEVATION CERTIFICATE (IF REQUIRE BY THE JURISDICTION) UPON COMPLETION OF PROJECT.
2. WORK OUTSIDE OF THE PROPERTY LINE INCLUDED IN THIS SET OF DRAWINGS SHALL BE, BUT NOT LIMITED TO, DRIVEWAYS, SODDING TO ASPHALT LINE AND UTILITY CONNECTIONS.
3. EXISTING TREES WITHIN CONSTRUCTION FOOTPRINT SHALL BE REMOVED AND PROPERLY DISPOSED OF. CONTRACTOR SHALL PROCURE PERMIT PRIOR TO REMOVAL.
4. CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL UTILITY SERVICE CONNECTION LOCATIONS PRIOR TO SUBMITTING BID AND PROCEEDING WITH WORK. IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE AND VERIFY ALL DIMENSIONS AND NOTES BEFORE SUBMITTING BID AND PROCEEDING WITH WORK.
5. SOIL AT THIS SITE IS UNDISTURBED ROCK AND SAND ADEQUATE OF SUPPORTING THE DESIGN LOAD OF 2000 P.S.F. IF OTHER CONDITIONS ARE ENCOUNTERED, NOTIFY MORRISON HERSHFIELD BEFORE PROCEEDING WITH WORK. THIS VALUE IS CONSIDERED SAFE WITH RESPECT TO ACTUAL FAILURE OF THE SUPPORTING GROUND, BUT DOES NOT NECESSARILY ENSURE THE PREVENTION OF EXCESSIVE FOUNDATION MOVEMENTS.
6. BURY PHONE, AND ELECTRIC SERVICE NO LESS THAN 24" BELOW FINISH GRADE WITH 1'-0" RADIUS SAND BACKFILL AROUND PIPES. COORDINATE W/ ELECTRICAL DRAWINGS.
7. IN ORDER TO AVOID ANY CONFLICTS, CONTRACTOR SHALL COORDINATE ALL HIS PRACTICAL TRADES.
8. THE POWER CABINET MUST BE CLEAR OF FLAMMABLE MATERIAL WITHIN 12 INCHES OF THE CABINET, INCLUDING ABOVE THE CABINET.
9. EXHAUST OUTLETS MUST BE LOCATED AT LEAST 10 FEET FROM ANY HVAC AIR INTAKES, WINDOWS, DOORS, AND OTHER OPENINGS INTO A BUILDING - COORDINATE IN FIELD.
10. THE POWER CABINET MUST BE MOUNTED ON THE FOUNDATION TO ALLOW WATER TO DRAIN FROM THE DRAIN OUTLET AND AWAY FROM THE CABINET.
11. TO ENSURE SERVICEABLE ABILITY, THE DOORS OF CABINETS WILL REQUIRE AN OPENING RADIUS OF 36 INCHES OF CLEARANCE FROM THE CLOSED POSITION TO THE OPEN POSITION.

SITE GENERAL NOTES

1. RESTORE EXISTING ASPHALT AND/OR CONCRETE COMPOUND TO IT'S ORIGINAL CONDITION
2. CONTRACTOR SHALL DETECT AND MARK ANY UNDERGROUND LINES, PIPING, PRIOR TO START OF EXCAVATION

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MORRISON HERSHFIELD CORP

ROBERT JERRY LARA
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Project:
LAKE SIDE PARK
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Drawing Title:
NOTES

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.: 0	Drawing No.: T-2

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TRUE NORTH



EXISTING T-MOBILE UTILITY
H-FRAME W/ METER, DISCONNECT,
PPC AND FIBER CABINET

EXISTING ±125'-0" HIGH
MONOPOLE TOWER

EXISTING EQUIPMENT CABINET
ON CONCRETE PAD

EXISTING T-MOBILE FCOA
EQUIPMENT CABINET

EXISTING T-MOBILE GSM
EQUIPMENT CABINET (TYP. OF 3)

EXISTING T-MOBILE COAX BRIDGE

EXISTING AT&T/T-MOBILE
SHARED COAX BRIDGE

EXISTING CHAIN-LINK
FENCE

EXISTING AT&T
EQUIPMENT SHELTER

EXISTING SPRINT/NEXTEL
EQUIPMENT SHELTER

EXISTING ASPHALT AREA

EXISTING GRAVELED AREA

EXISTING ACCESS GATE
(TYP. OF 3)

EXISTING T-MOBILE TRIPLE BASE
PLINTH ON CONCRETE PAD

EXISTING GENERATOR ON
CONCRETE PAD

1 2
C-2 C-2

A/C

A/C

A/C

A/C

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COMPOUND PLAN

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COMPOUND PLAN

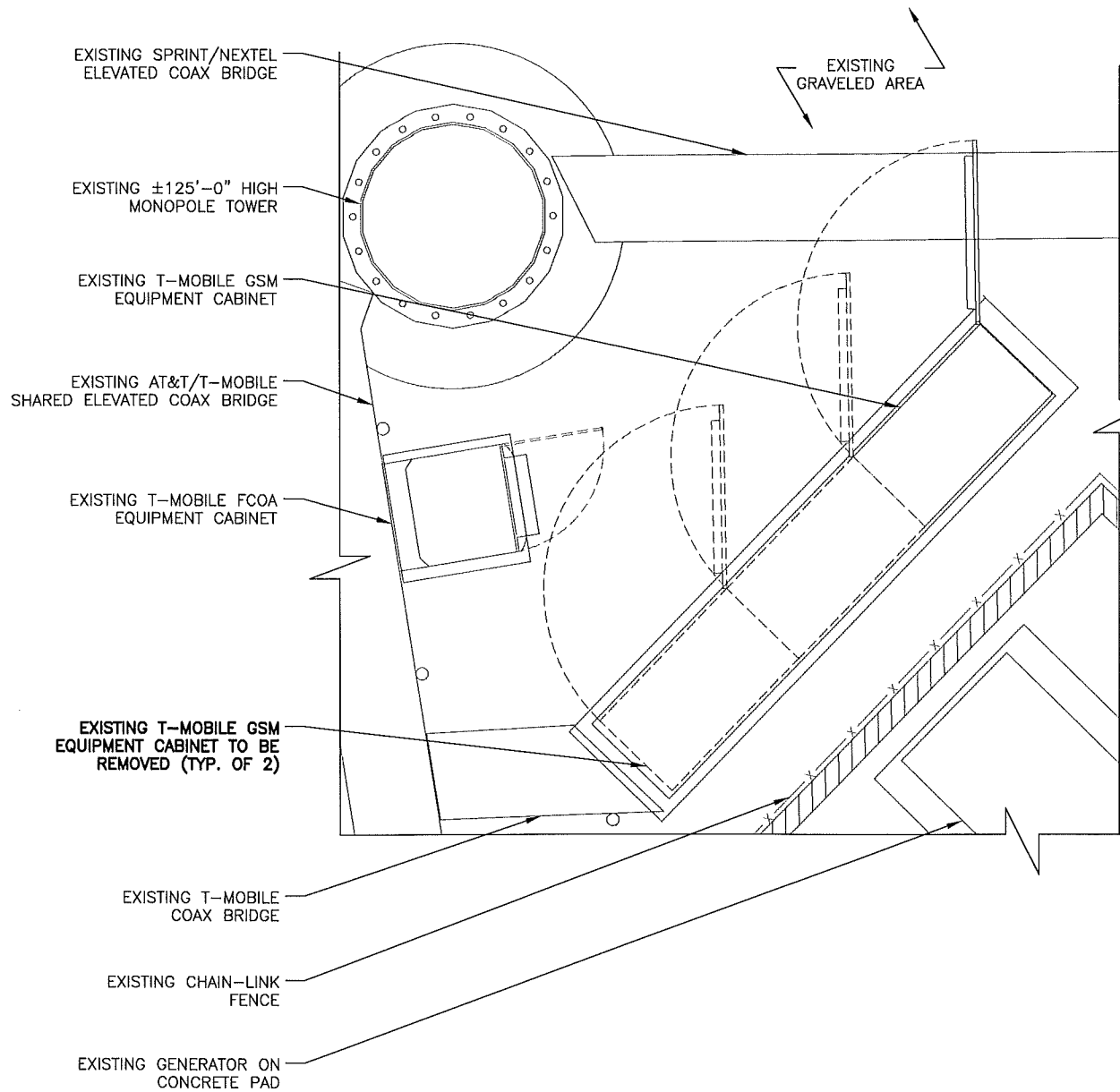
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11"x17" SCALE: 1/8" = 1'-0"
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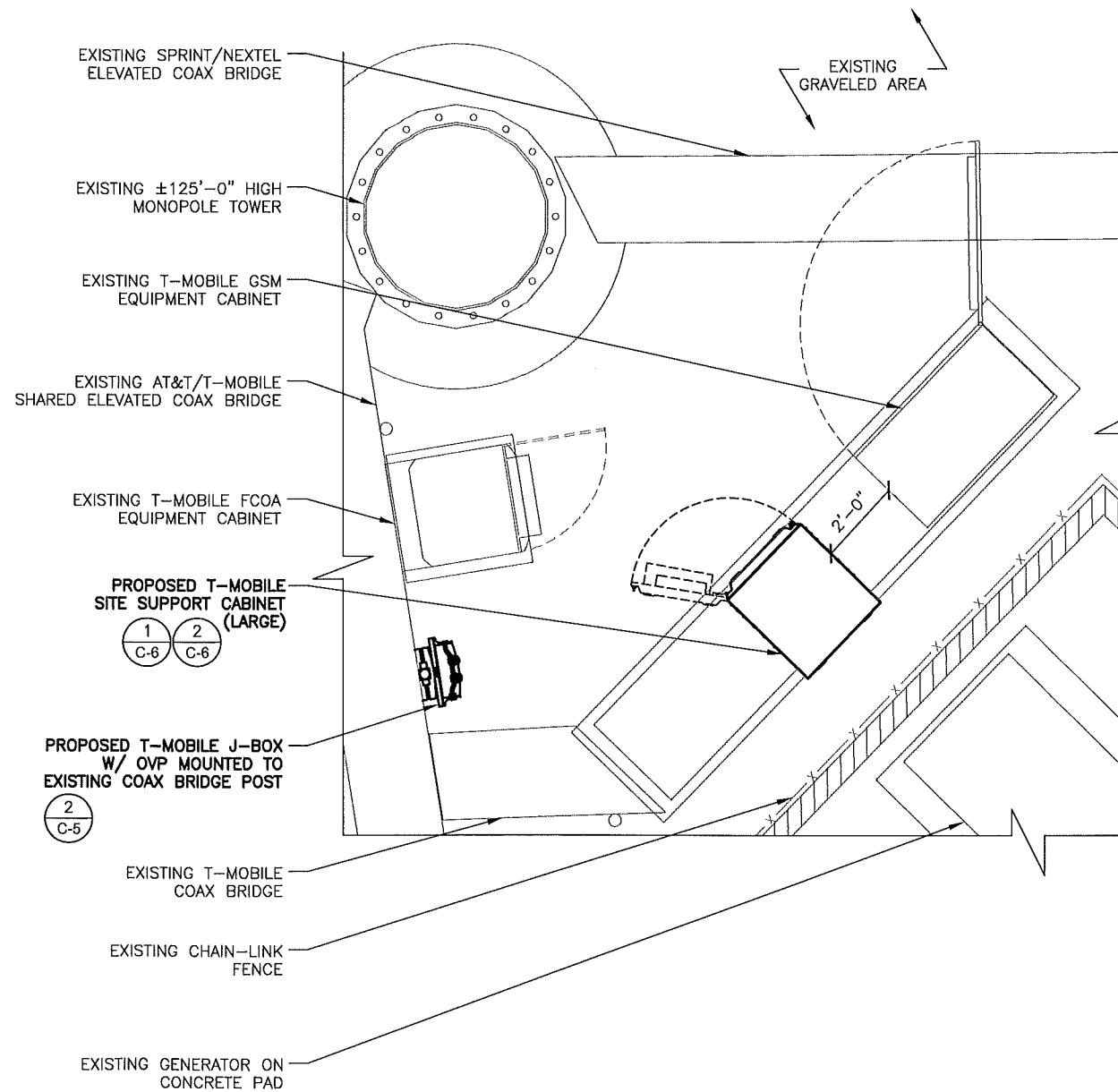
SCALE IS BASE ON 22" X 34" D" SIZE

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TRUE NORTH



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6FB1173B
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COCONUT CREEK, FL 33073

Drawing Title:

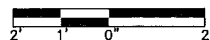
EQUIPMENT PLANS

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.:	Drawing No.

0 C-2

EXISTING EQUIPMENT PLAN

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

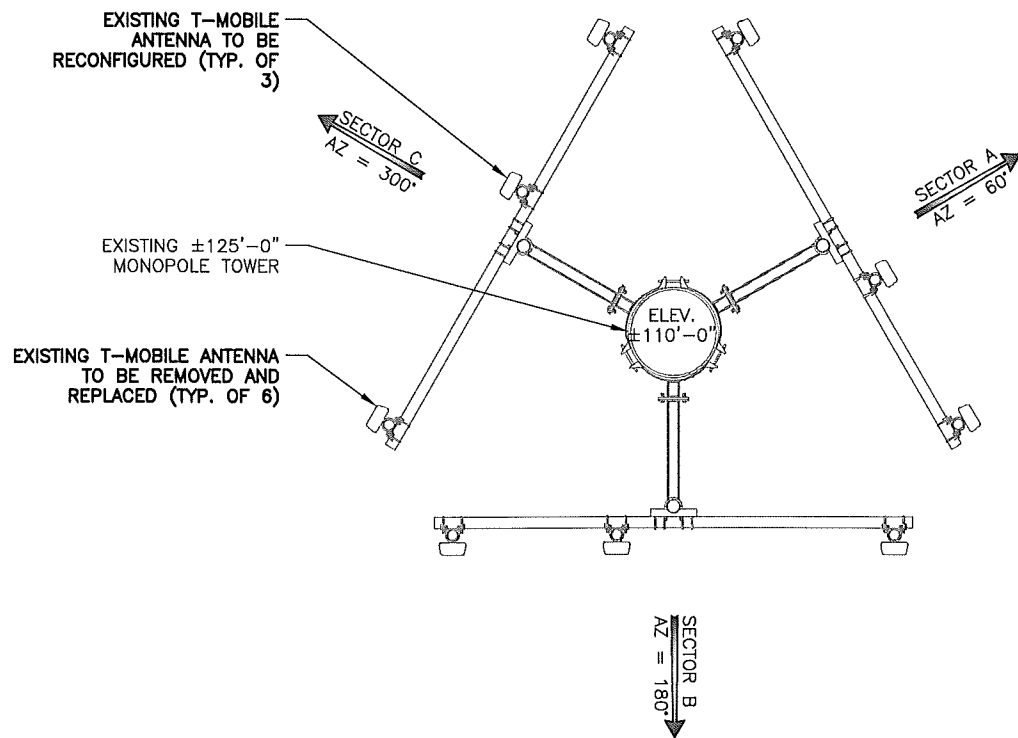


PROPOSED EQUIPMENT PLAN

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

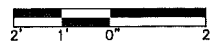


TRUE NORTH



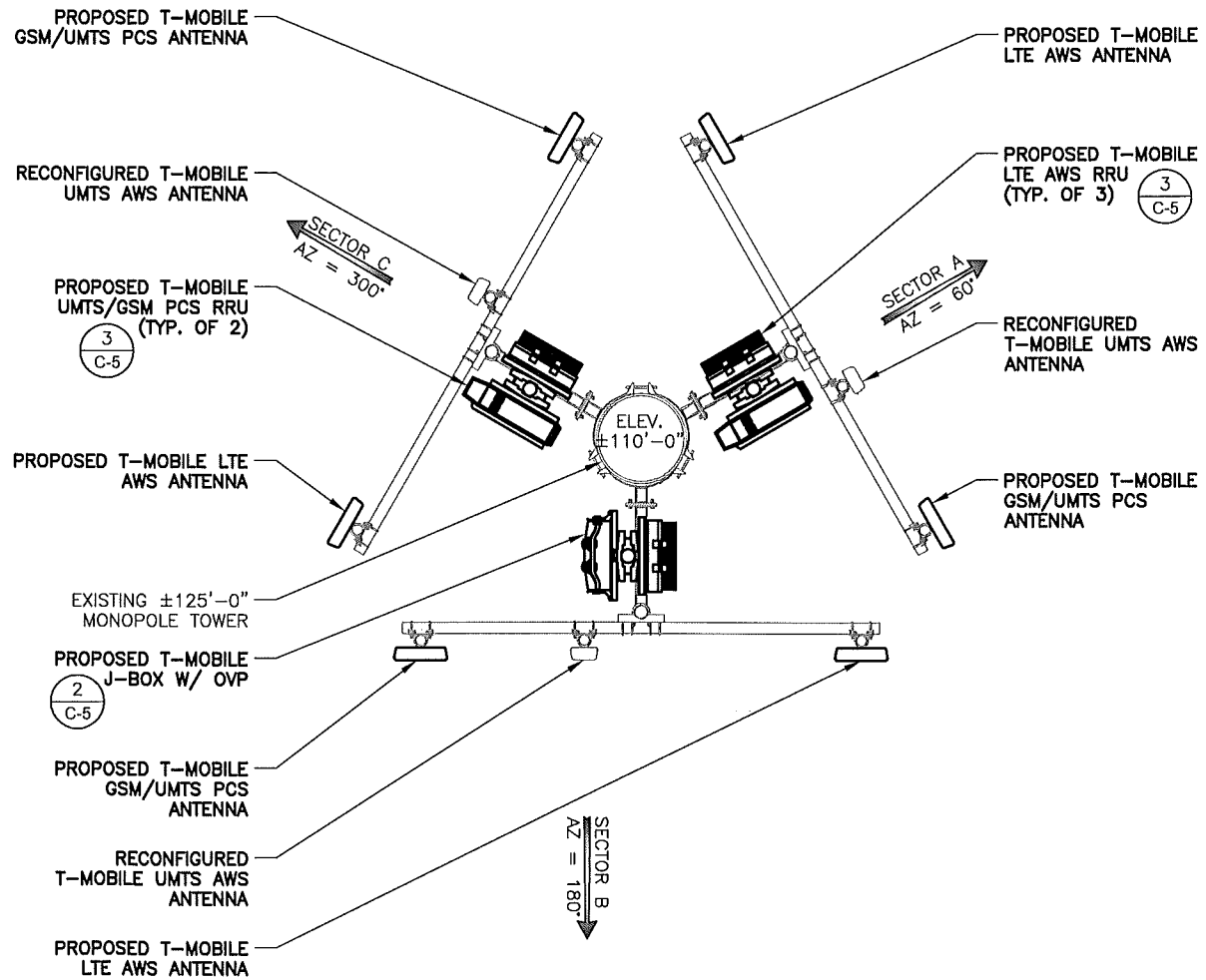
EXISTING ANTENNA LAYOUT (SECTORS A, B & C)

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



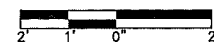
1

TRUE NORTH



PROPOSED ANTENNA LAYOUT (SECTORS A, B & C)

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



2

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MH
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Tel: 954.577.4655 Fax: 954.577.4656
STATE OF FLORIDA CO# 00008508
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Project:

LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:

ANTENNA LAYOUTS

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.: 0	Drawing No.: C-3

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SCALE IS BASE ON 22" X 34" "D" SIZE

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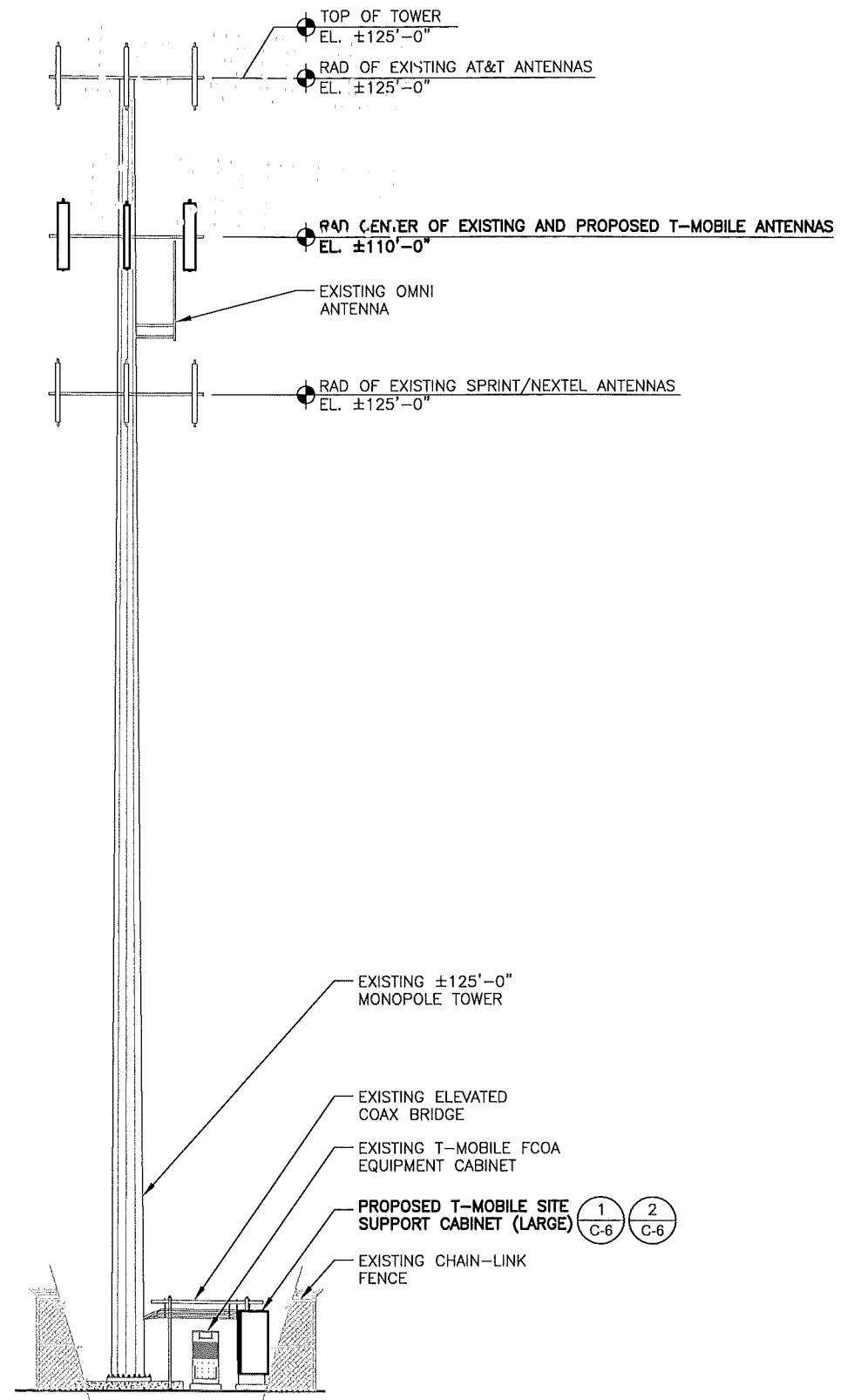
Project:

**LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073**

Drawing Title:

ELEVATION

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.: 0	Drawing No.: C-4



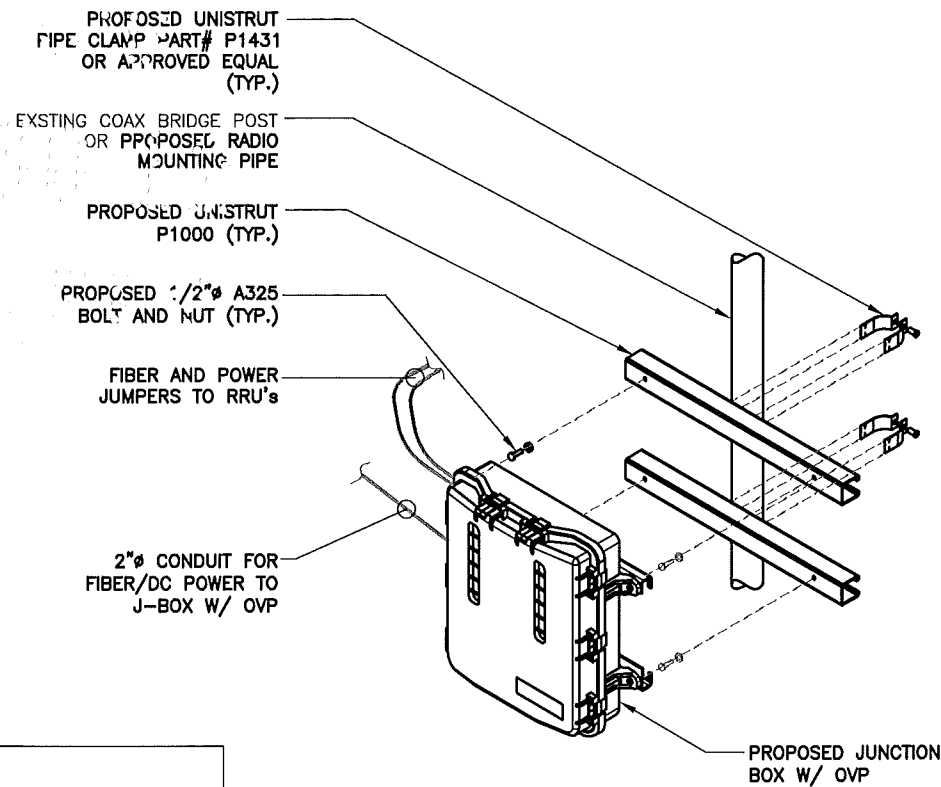
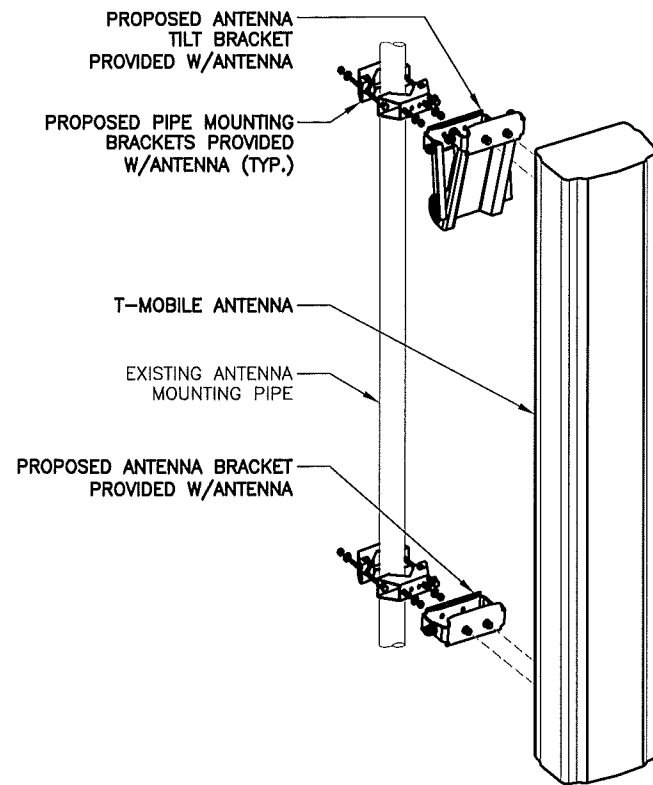
NOTE:
NO WORK SHALL COMMENCE WITHOUT THE APPROVED TOWER/ANTENNA MOUNT STRUCTURAL ANALYSIS REPORT SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER UNDER SEPARATE COVER. IF REQUIRED, THE CONTRACTOR SHALL MODIFY TOWER AND/OR ANTENNA MOUNTS AS INDICATED IN THE ABOVE MENTIONED STRUCTURAL REPORT OR ASSOCIATED MODIFICATION DESIGN DRAWINGS.

V:\Project\7123053 T-Mobile Modernization South Florida\Site\6FB1173B\Drawings\7123053_6FB1173B_LAKE SIDE PARK_CD_REV 0_08.17.12.dwg 10/10/2012 2:05pm mgonzalez

ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"
8' 6' 4' 2' 0' 8' 1

SCALE IS BASE ON 22" X 34" "D" SIZE



NOTE:
UNIT SHALL BE MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS.

ANTENNA MOUNTING DETAIL

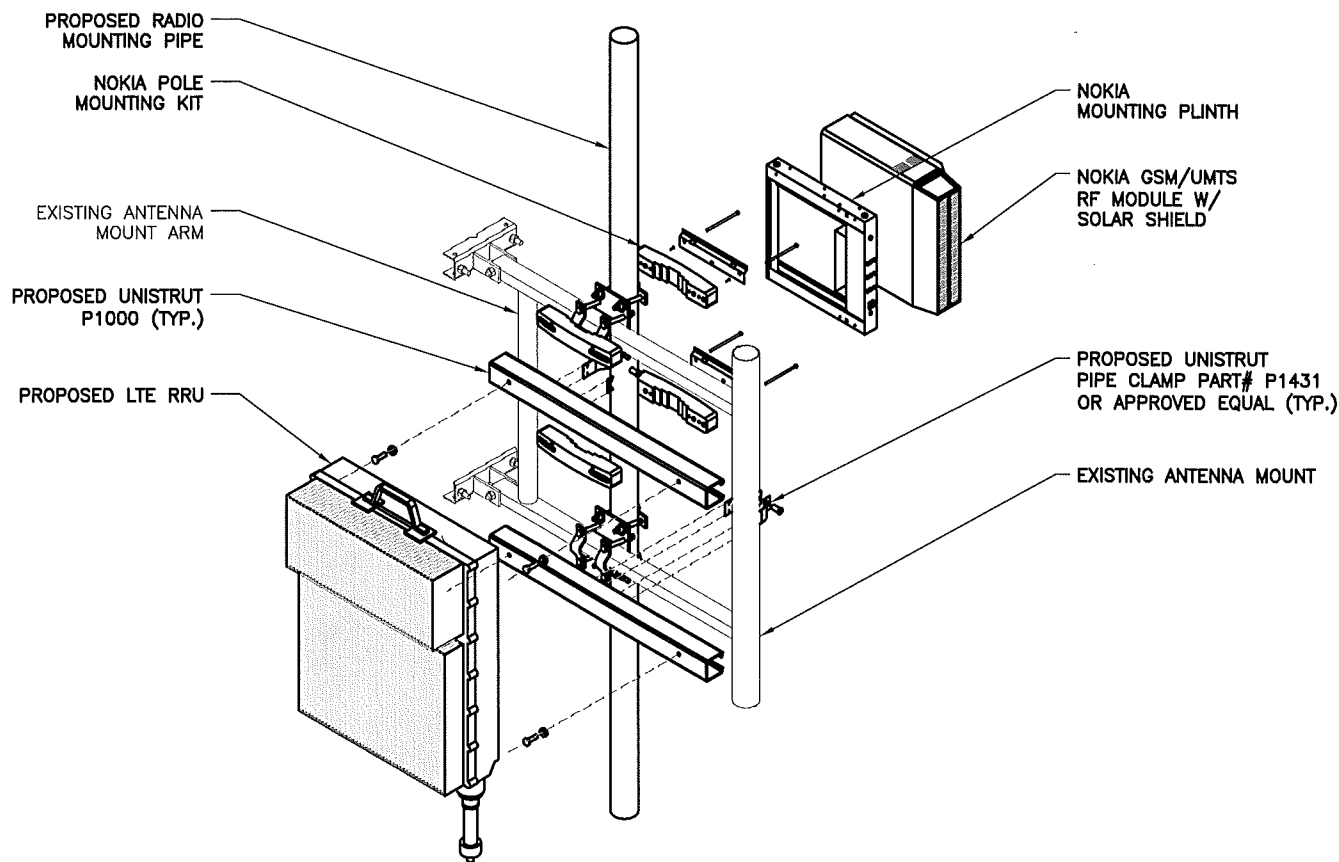
NTS

1

J-BOX W/ OVP MOUNTING DETAIL

NTS

2



NOTE:
CONNECTING HARDWARE PROVIDED W/ POLE MOUNTING KIT

GSM/UMTS AND LTE RRU MOUNTING DETAIL

NTS

3

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Tel: 954.577.4655 Fax: 954.577.4656
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www.morrisonhershfield.com

Project:

LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:

DETAILS

Project No.:

7123053

Designer:

RL

Date:

08/02/12

Drawn By:

XL

Checked By:

RL

PM Review:

CM

Client Approval

Issue No.:

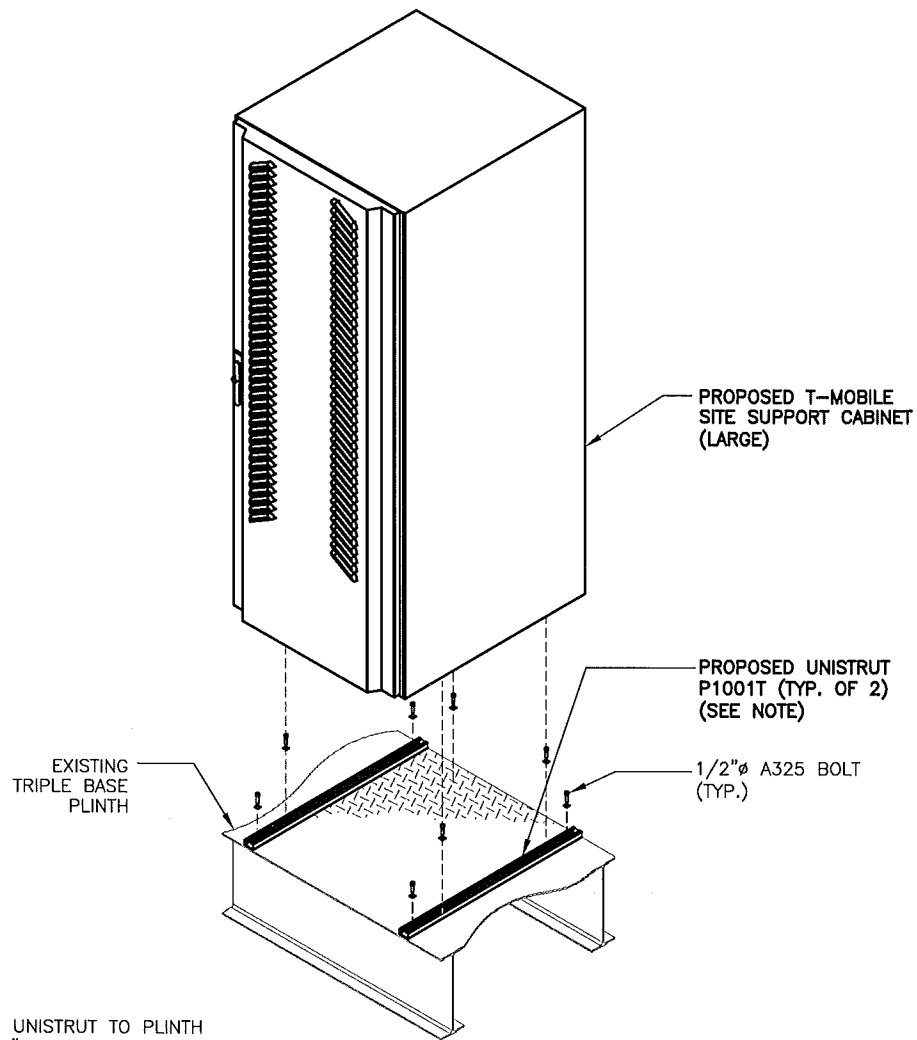
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Drawing No.

C-5

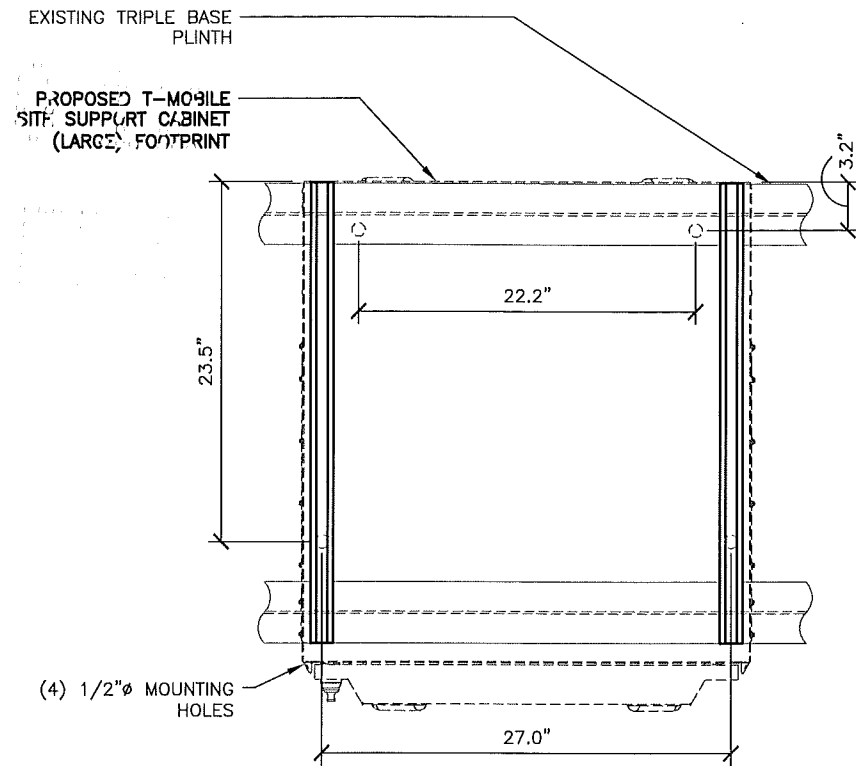
V:\Project\712 Series\7123053 T-Mobile Modernization South Florida\Site\6FB1173B\Drawings\7123053_6FB1173B_LAKE SIDE PARK_CD_REV 0_08.17.12.dwg 10/10/2012 2:05pm mgmzslz

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NOTES:

1. ATTACH UNISTRUT TO PLINTH W/ 1/2"Ø A325 BOLTS.
2. ATTACH EQUIPMENT CABINET TO UNISTRUT AND PLINTH WITH 1/2"Ø A325 BOLTS, PROVIDE SPACERS AS REQUIRED.



NOTES:

1. ATTACH UNISTRUT TO PLINTH W/ 1/2"Ø A325 BOLTS.
2. ATTACH EQUIPMENT CABINET TO UNISTRUT AND PLINTH WITH 1/2"Ø A325 BOLTS, PROVIDE SPACERS AS REQUIRED.

CABINET MOUNTING FOOTPRINT

NTS 2

CABINET MOUNTING DETAIL

NTS 1

(NOT USED)

3

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Consultant:

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Tel: 954.577.4655 Fax: 954.577.4656
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Project:

LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:

**CABINET MOUNTING
DETAILS**

Project No.:

7123053

Designer:

RL

Date:

08/02/12

Drawn By:

XL

Checked By:

RL

PM Review:

CM

Client Approval

Issue No.:

0

Drawing No.

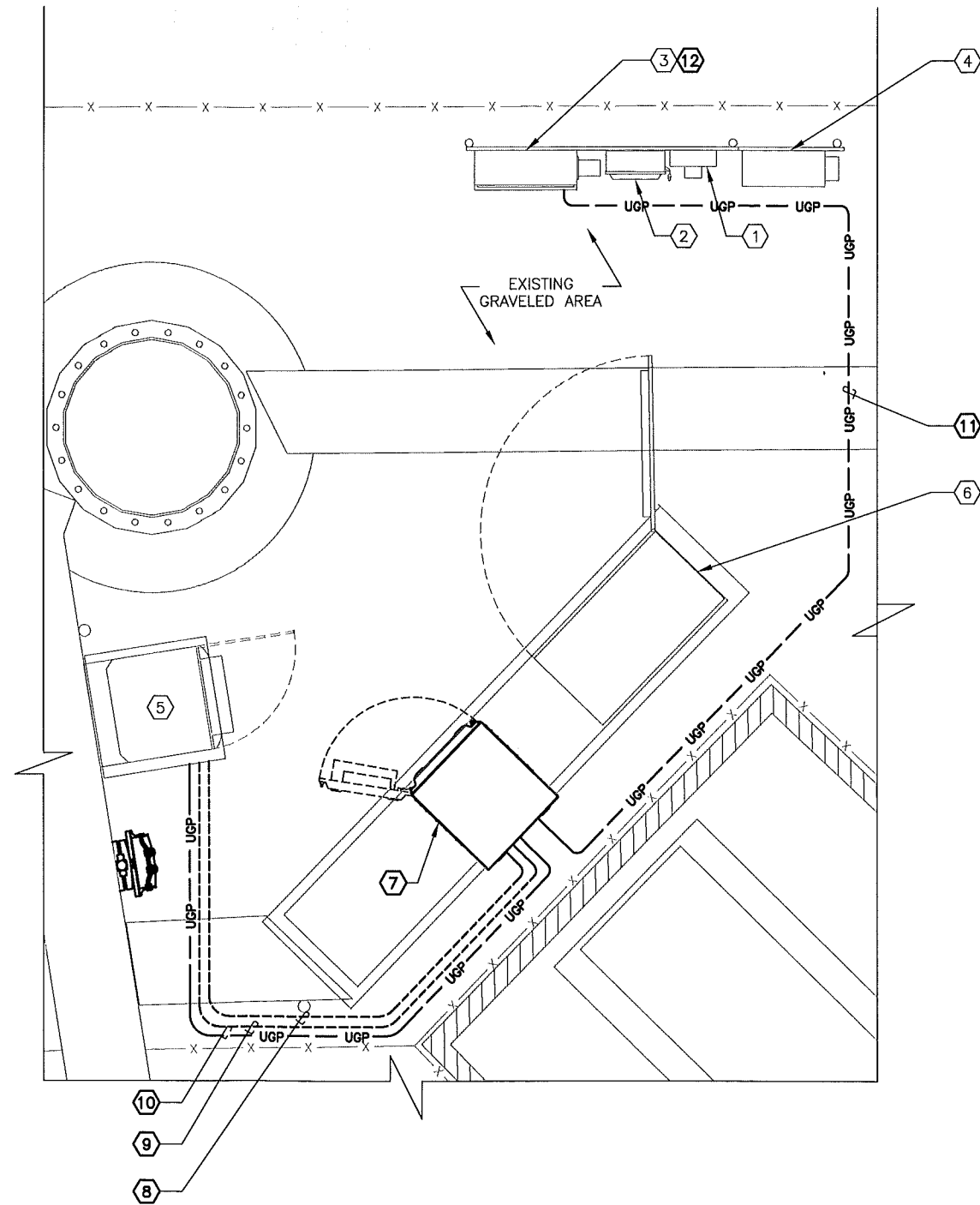
C-6

SCALE IS BASE ON 22" X 34" D SIZE

REFERENCE NOTES

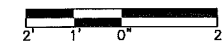
- ① EXISTING T-MOBILE 200A, 240V, 3W, UTILITY METER
- ② EXISTING T-MOBILE 200A, 2-POLE, SERVICE MAIN FUSED DISCONNECT SWITCH
- ③ EXISTING T-MOBILE 200A RATED, 120/240-1Ø-3W PPC CABINET
- ④ EXISTING T-MOBILE FIBER CABINET
- ⑤ EXISTING T-MOBILE FCOA EQUIPMENT CABINET
- ⑥ EXISTING T-MOBILE GSM EQUIPMENT CABINET
- ⑦ PROPOSED T-MOBILE SITE SUPPORT CABINET
- ⑧ PROPOSED 2" RNC B.F.G. AND RMC A.F.G. FOR ALARM WIRING
- ⑨ PROPOSED EMPTY 2" RNC B.F.G. AND RMC A.F.G.
- ⑩ PROPOSED 2" RNC B.F.G. AND RMC A.F.G. FOR DC POWER
- ⑪ PROPOSED 2" RNC B.F.G. AND RMC A.F.G. EQUIPPED WITH (3) #3 AWG CU. AND (1) #8 AWG CU. GROUND FOR SITE SUPPORT CABINET.
- ⑫ PROPOSED 100A-2P BRANCH CIRCUIT BREAKER FOR SITE SUPPORT CABINET. MATCH EXISTING AIC RATING

TRUE NORTH



ELECTRICAL PLAN

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



1

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Project:
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6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:
**ELECTRICAL PLAN
AND NOTES**

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.:	Drawing No.

0 E-1

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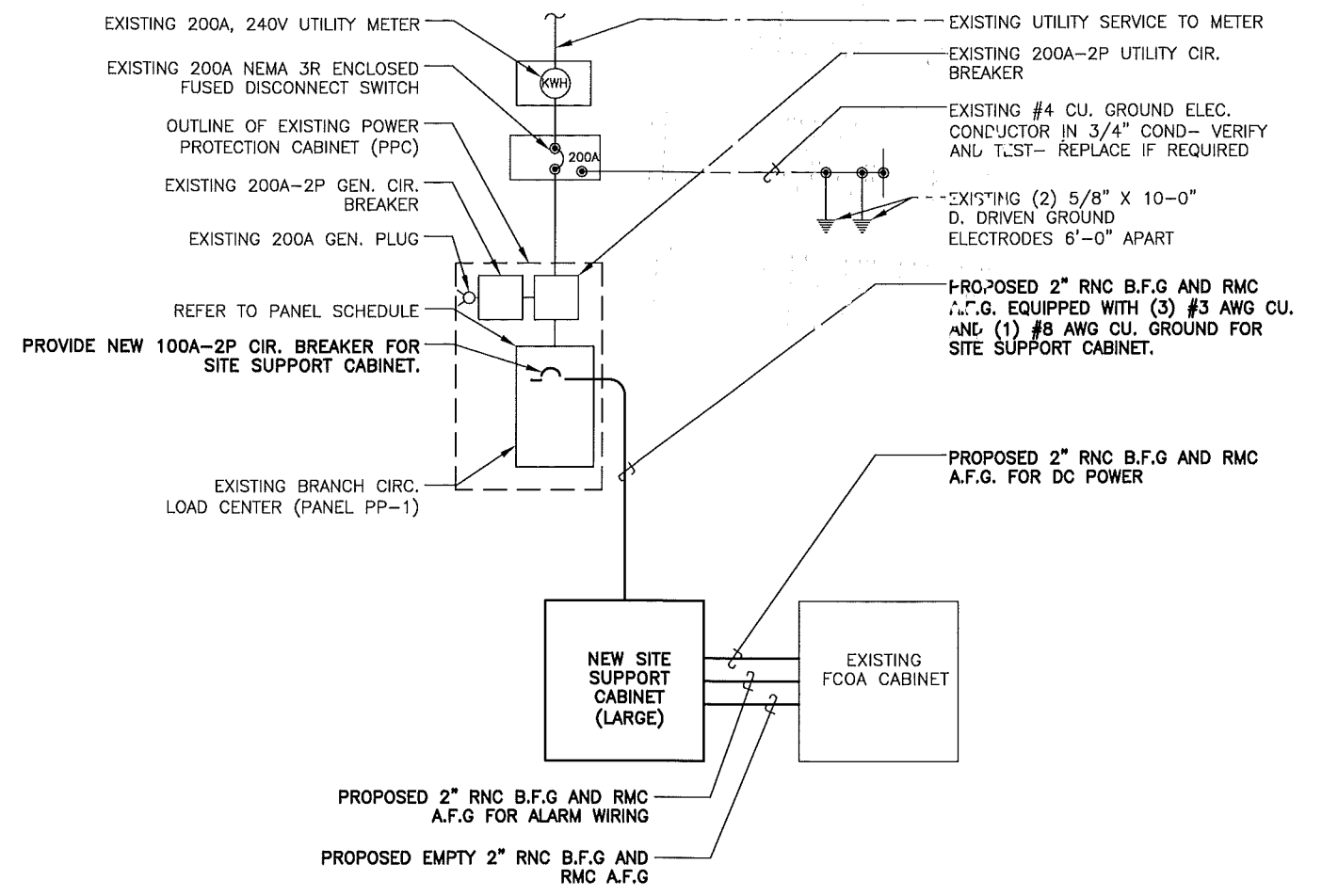
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Project:
LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:
ELECTRICAL DETAILS

Project No.: 7123053	
Designer: RL	Date: 08/02/12
Drawn By: XL	Checked By: RL
PM Review: CM	Client Approval
Issue No.: 0	Drawing No.: E-2



AC ONE-LINE DIAGRAM

1

BUS VA		LOAD	WIRE	GND	COND	AMPS	BUS VA		AMPS	COND	GND	WIRE	LOAD	BUS VA	
A	B						A	B						A	B
2880		EXISTING 2102 BTS	E	E	E	30	1	2	30	E	E	E	EXISTING SURGE SUPPRESSOR	0	
	2880	SPARE**	-	-	-	30	3	4	30	-	-	-	SPARE**		0
							5	6							
							7	8							
180		EXISTING GFI RECEPTACLE	E	E	E	20	9	10	20	-	-	-	SPARE**		
		SPACE	-	-	-	-	11	12							
		SPACE	-	-	-	-	13	14	100	2"	#8	#3	NEW SITE SUPPORT CABINET	4800	
		SPACE	-	-	-	-	15	16						4800	
		SPACE	-	-	-	-	17	18					SPACE		
		SPACE	-	-	-	-	19	20					SPACE		
		SPACE	-	-	-	-	21	22					SPACE		
		SPACE	-	-	-	-	23	24					SPACE		

TOTAL VA: BUS A 7860 BUS B 7680 CONNECTED VA: 15540 AMPERES: BUS A 66 BUS B 64 TOTAL 65
 RATED VOLTAGE: 120/208 120/240 277/480 1 PHASE, 3 WIRE BRANCH POLES 12 18 20 24 30 36 42
 RATED AMPS: 100 200 400 CABINET: SURFACE FLUSH
 FULL NEUTRAL BUS GROUND BUS HINGED DOOR KEYED DOOR LATCH ENCLOSURE TYPE NEMA-3R
 BRANCH DEVICES FUSED CIRCUIT BREAKER
 MAIN LUGS ONLY MAIN 200 BREAKER FUSED SWITCH
 ALL NEW BREAKERS MUST MATCH EXISTING AIC RATING OF PANEL

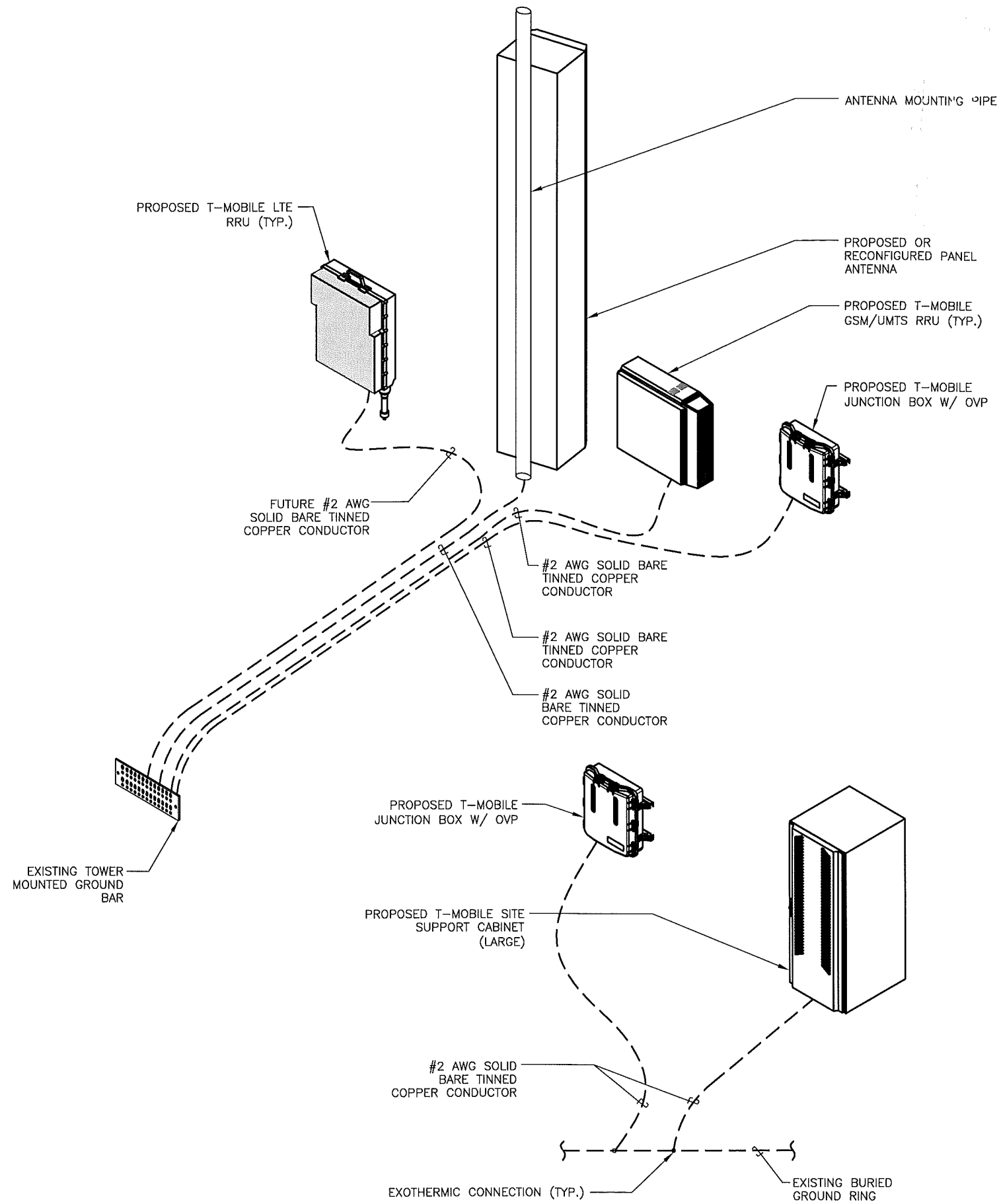
NOTE: E = EXISTING
** = EXISTING CIRCUIT REMOVED CREATING NEW SPARE BREAKER

PANEL SCHEDULE

2

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GROUNDING DIAGRAM (TYP.)

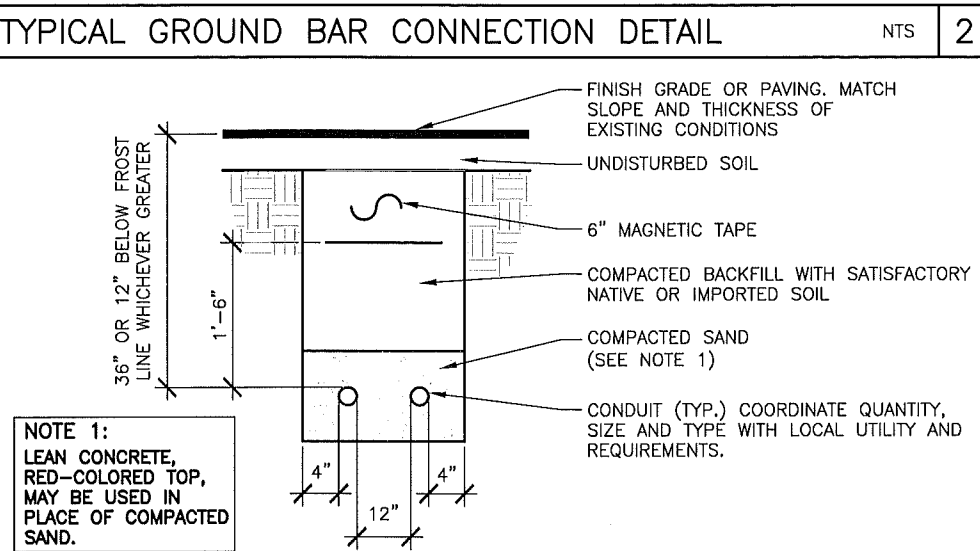
NTS 1

TYPICAL CONDUIT SUPPORT DETAILS

NTS 4

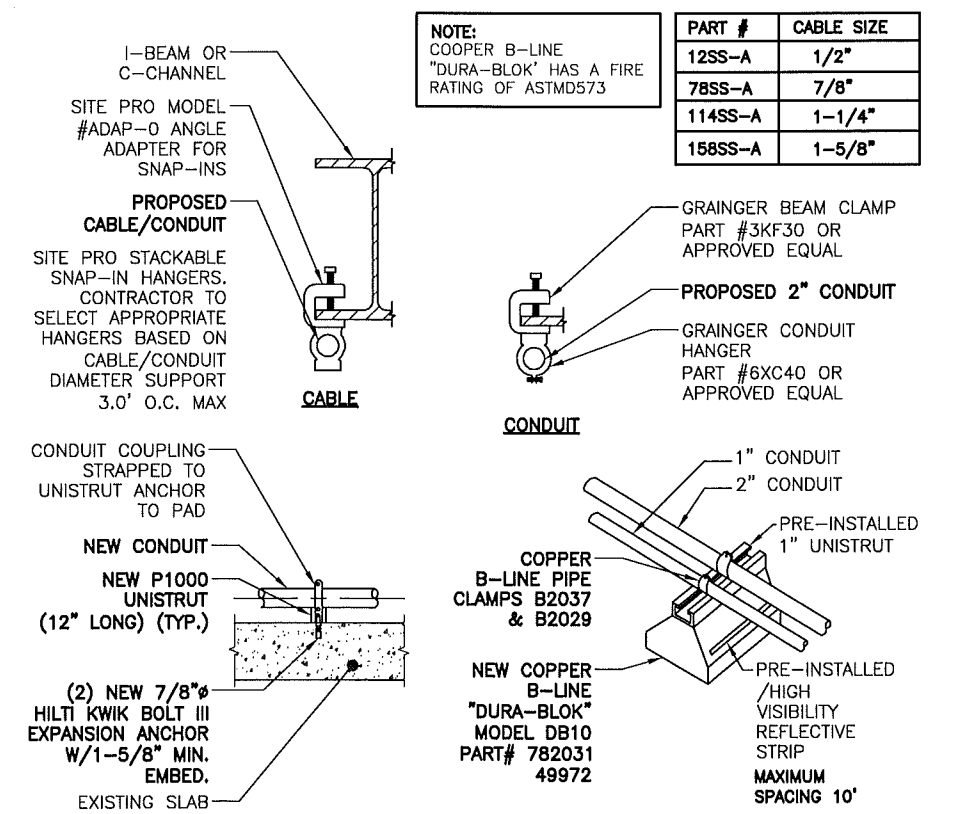
CONDUIT TRENCH

NTS 3



TYPICAL GROUND BAR CONNECTION DETAIL

NTS 2



TYPICAL CONDUIT SUPPORT DETAILS

NTS 4

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STATE OF FLORIDA CO# 00008508
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Project:
LAKE SIDE PARK
6FB1173B
5555 REGENCY BLVD
COCONUT CREEK, FL 33073

Drawing Title:
**ELECTRICAL AND
GROUNDING
DETAILS**

Project No.:	7123053
Designer:	RL
Date:	08/02/12
Drawn By:	XL
Checked By:	RL
PM Review:	CM
Client Approval:	
Issue No.:	0
Drawing No.:	E-3

0 E-3