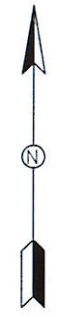
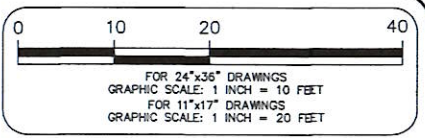
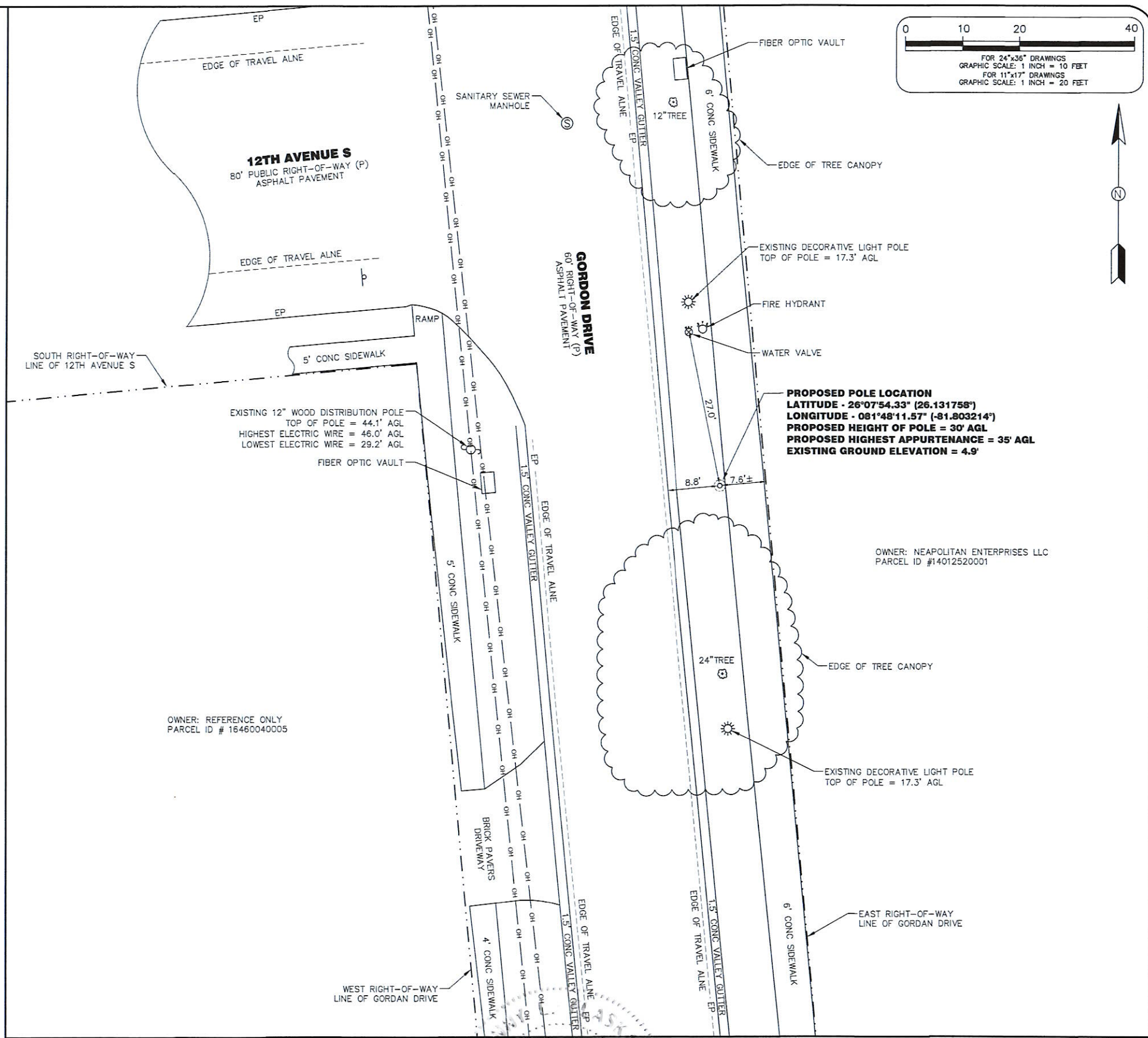


SURVEYOR'S NOTES:

1. THIS SURVEY WAS PERFORMED ON THE GROUND ON AUGUST 03, 2022 UNDER THE SUPERVISION OF A FLORIDA PROFESSIONAL SURVEYOR & MAPPER.
2. THE SUBJECT PROJECT AREA APPEARS TO BE WITHIN ZONE "X", MAP NUMBER 12021C0393H, COMMUNITY NUMBER 120130, PANEL NUMBER 0393, SUFFIX H WITH AN EFFECTIVE DATE OF 05/16/2012. HAVING A BASE FLOOD ELEVATION OF 9' (NORTH AMERICAN VERTICAL DATUM OF 1988).
3. ALL DIMENSIONS SHOWN ARE IN FEET AND DECIMAL PARTS THEREOF.
4. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
5. NO UTILITIES (UNDERGROUND OR ABOVE-GROUND) WERE LOCATED EXCEPT AS SHOWN HEREON.
6. NO SEARCH FOR VISIBLE EVIDENCE OF EXISTING OR FORMER AREAS OF FACILITIES WHICH MAY HAVE INVOLVED THE USE OF STORAGE OF HAZARDOUS MATERIALS WAS MADE.
7. NO WETLAND AREAS OR JURISDICTIONAL WETLANDS WERE LOCATED OR ARE SHOWN ON THIS SURVEY.
8. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT; NO ABSTRACT EXAMINATION IS IMPLIED.
9. INFORMATION SHOWN HEREON MAY BE SUBJECT TO EASEMENTS, RESTRICTIONS AND RESERVATIONS OF RECORD.
10. REPRODUCTIONS OF THIS SURVEY ARE NOT VALID UNLESS SIGNED AND SEALED WITH AN ORIGINAL RAISED SURVEYOR'S SEAL.
11. ADDITIONS OR DELETIONS TO THIS SURVEY MAP BY ANY OTHER THAN THE SIGNING SURVEYOR ARE PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SURVEYOR OF RECORD.
12. THIS SURVEY WAS CREATED TO SHOW THE PROPOSED LOCATION OF A POLE STRUCTURE ALONG WITH DEPICTING THE RIGHT-OF-WAY LINES OF GORDON DRIVE, AND TOPOGRAPHIC LOCATION OF IMPROVEMENTS WITHIN AN AREA DETERMINED BY CLIENT TO HELP IN THEIR DESIGN OF A TELECOMMUNICATIONS STRUCTURE.
13. THE SYMBOL SHOWN FOR THE PROPOSED POLE IS SHOWN AS A 10" DIAMETER POLE CENTERED ON A 2' DIAMETER FOUNDATION. ALL DIMENSIONS SHOWN ARE TO THE EDGE OF THE 10" DIAMETER PROPOSED POLE.
14. THIS SURVEY MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1 INCH = 10 FEET FOR 24"x36" DRAWINGS AND 1 INCH = 20 FEET FOR 11"x17" DRAWINGS OR SMALLER.
15. THE COORDINATES SHOWN HEREON ARE IN NORTH AMERICAN DATUM OF 1983, ARE TO THE THIRD ORDER OF ACCURACY, AND IS BASED ON MULTI FREQUENCY GNSS CORRECTIONS OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATIONS FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
16. THE ELEVATIONS SHOWN HEREON ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988, ARE TO THE THIRD ORDER OF ACCURACY, AND IS BASED ON MULTI FREQUENCY GNSS CORRECTIONS OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATIONS FLORIDA PERMANENT REFERENCE NETWORK (FPRN).

LEGEND:

- (C) = CALCULATED
- (F) = FIELD
- (P) = PLAT
- (D) = DEED
- F.D.O.T. = FLORIDA DEPARTMENT OF TRANSPORTATION
- NO. = NUMBER
- LB = LICENSED BUSINESS
- ROP = REINFORCED CONCRETE PIPE
- CMP = CORRUGATED METAL PIPE
- TPED = TELEPHONE PEDESTAL
- TSV = TRAFFIC SIGNAL VAULT
- TOS = TOP OF BANK
- EP = EDGE OF PAVEMENT
- AGL = ABOVE GROUND LEVEL
- CONC = CONCRETE
- ELEV = ELEVATION
- T = TOWNSHIP
- R = RANGE
- O.R. = OFFICIAL RECORDS
- ID = IDENTIFICATION
- W/ = WITH
- MES = MITERED END SECTION
- TYP. = TYPICAL
- CLF = CHAIN LINK FENCE
- OH = OVERHEAD LINE
- U = UTILITY POLE
- TS = TRAFFIC SIGN
- PT = PALM TREE
- MT = MISCELLANEOUS TREE



SPECIFIC PURPOSE SURVEY OF PROPOSED POLE LOCATION AND TOPOGRAPHIC LOCATION OF IMPROVEMENTS

SMW
ENGINEERING GROUP, INC.

12979 N TELECOM PARKWAY
TAMPA, FLORIDA 33637
(813) 615-1422
FLORIDA LICENSED BUSINESS 7906

REVISIONS			
1	MOVED PROPOSED NODE LOCATION PER CLIENTS REQUEST. NO FIELD WORK WAS PERFORMED AS PART OF THIS REVISION.	JLF	9/13/22

PREPARED FOR:

verizon

7701 E. TELECOM PARKWAY
TEMPLE TERRACE, FLORIDA 33637

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR & MAPPER.

JOHNNY L. FLASKAMP
FLORIDA PROFESSIONAL SURVEYOR & MAPPER NO. 6601


DRAWING INFORMATION:	
FIELD DATE:	08-03-2022
DRAWN DATE:	08-04-2022
CHECK DATE:	08-09-2022
SEC. - TWP. - RGE.:	09-505-25E

SITE INFORMATION:	
15033509 NAPLES DT NAP001	
RIGHT-OF-WAY OF GORDON DRIVE JUST SOUTH OF 12TH AVENUE S NAPLES, FLORIDA 34102	
SMW PROJECT NUMBER:	22-5414
SURVEY SHEET 1 OF 1	

REV	DATE	DESCRIPTION
0	08/25/22	FINAL PLANS ISSUED

PROJECT NO.:	22-5414
DRAWN BY:	J.MENDEZ
PROJECT MANAGER:	M. MURPHY
CHECKED BY:	M. MURPHY

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ENGINEERING GROUP, INC.
TOGETHER PLANNING A BETTER TOMORROW

12979 TELECOM PARKWAY N
TEMPLE TERRACE, FLORIDA 33637
(813) 615-1422

CERTIFICATE OF AUTHORIZATION 33693



7701 TELECOM PARKWAY EAST
TEMPLE TERRACE, FLORIDA 33637

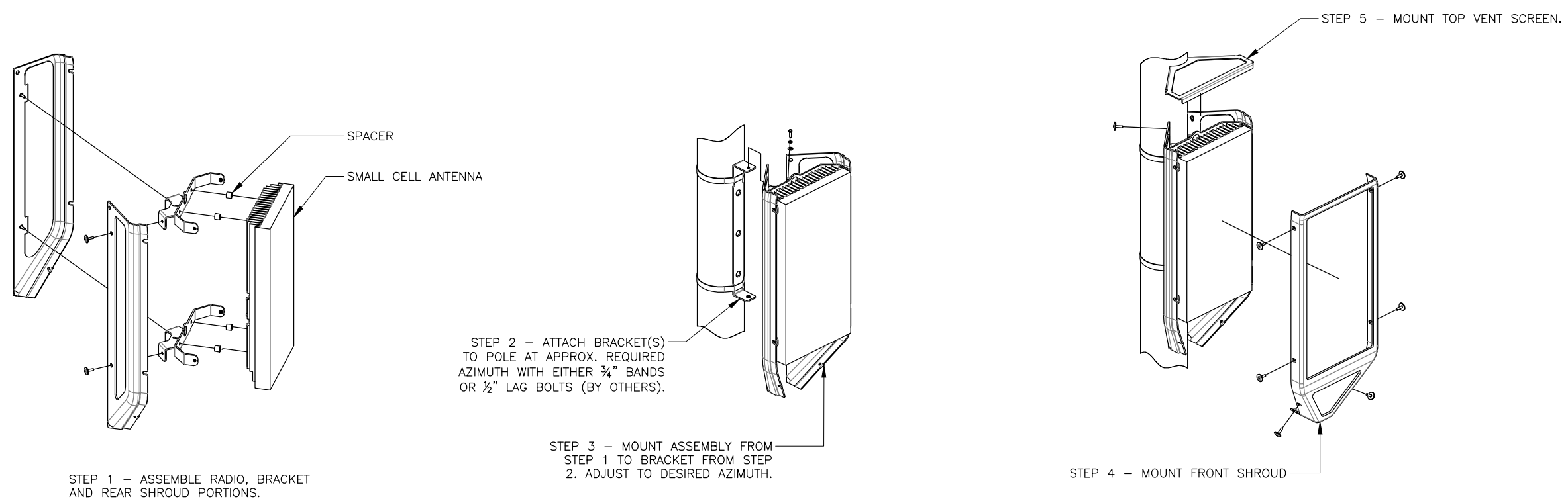
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NAPLES DT NAP001
#15033509

RIGHT-OF-WAY OF GORDON DRIVE
JUST SOUTH OF 12TH AVENUE S
NAPLES, FLORIDA 34102
(COLLIER COUNTY)

SHEET NAME
ANTENNA MOUNTING
DETAIL

SHEET NUMBER
C7



A – GENERAL

- A1. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (EDITION ADOPTED BY LOCAL JURISDICTION) AND APPLICABLE LOCAL CODES.
- A2. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.
- A3. ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.
- A4. ALL POWER WIRING SHALL BE STRANDED COPPER, TYPE THHN/THHW, AND 90 DEGREES C RATED.
- A5. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE, TIN COATED COPPER AND EQUIPMENT GROUND CONDUCTORS SHALL BE GREEN INSULATED, UNLESS OTHERWISE NOTED.
- A6. ALL POWER WIRING SHALL BE INSTALLED IN GALVANIZED RIGID STEEL CONDUIT, PVC, OR FLEXIBLE LIQUIDTIGHT CONDUIT, AS INDICATED.
- A7. CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
- A8. CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
- A9. CONTRACTOR SHALL APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS AND SERVICE ROUTING WITH TELEPHONE COMPANY.
- A10. CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS DESCRIBED IN THESE DRAWINGS, AND ALL ITEMS REQUIRED TO COMPLETE AND PRESENT THIS PROJECT AS FULLY OPERATIONAL.
- A11. WHERE LONG POWER CABLE RUNS PREVAIL, CONTRACTOR SHALL CALCULATE THE VOLTAGE DROP AND SIZE WIRES AND CONDUIT ACCORDINGLY.
- A12. WHEN TRANSFORMER IS REQUIRED FOR ELECTRICAL SERVICE, TRANSFORMER SECONDARY SHALL BE GROUNDED PER N.E.C., ARTICLE 250-26.
- A13. REFER TO SITE SPECIFIC DRAWINGS FOR ELEVATIONS.
- A14. ALL ELECTRICAL DEVICES EXPOSED TO WEATHER SHALL BE OF RAINPROOF CONSTRUCTION AND SHALL REQUIRE WATER TIGHT CONDUIT HUBS. NEMA 3R TYPICAL
- A15. CONTRACTOR SHALL COIL CABLES AT HAND HOLE WITH LENGTHS AS REQUIRED BY ELECTRICAL UTILITY FOR CONNECTION BY UTILITY.
- A16. ALL UNDERGROUND SERVICE ENTRANCE POWER CABLES SHALL BE TYPE FOR SUCH USE. CONTRACTOR SHALL CALCULATE VOLTAGE DROP AND RE-SIZE CABLES PER NEC REQUIREMENTS FOR CABLE RUNS EXCEEDING 250 FEET.

B – POWER CABLE AND SERVICE

- B1. CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING TO BTS AND VERIFY EXACT CONDUIT ROUTING. RACEWAY SYSTEM MATERIALS AND DEVICES FURNISHED SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS OF ANSI, NEMA, AND UL. RACEWAY SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE N.E.C.
- B2. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS TO PREVENT MOISTURE PENETRATION OR VERMIN INFESTATION.
- B3. CONDUCTORS RUNNING ALONG HORIZONTAL SURFACES (ROOF TOP OR SLAB) SHALL BE INSTALLED IN RIGID CONDUIT SUPPORTED WITH ELECTRICAL CONDUIT SUPPORT.
- B4. ALL VERTICAL RUNS OF POWER CABLE EXCEEDING 80 FEET IN LENGTH SHALL BE SUPPORTED PER N.E.C. ARTICLE 300 USING KELLEMS GRIPS OR ACCEPTABLE EQUAL CABLE SUPPORT SYSTEM.
- B5. WHERE A SEPARATE ELECTRICAL SERVICE DROP IS ADDED, CONTRACTOR SHALL INSTALL PERMANENT SERVICE DISCONNECT OR GROUPING THEREOF, DENOTING ALL OTHER SERVICE ENTRANCES, LOCATION OF EACH AND THE AREAS SERVED BY EACH.
- B6. WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:
 - A) CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE 220-35.
 - B) CONTRACTOR SHALL VERIFY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE 220-35
 - C) EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING RATING AS EQUIPMENT SUPPLYING IT.
 - D) PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PANEL.
 - E) IF A BRANCH CIRCUIT PROTECTIVE DEVICE CANNOT BE OBTAINED OR SPACE IS NOT AVAILABLE, A BRANCH CIRCUIT MAY BE TAPPED FROM EXISTING FEEDER CONDUCTORS USING AN INSTALLED 2-POLE FUSED DISCONNECT AND METER BASE PER N.E.C. ARTICLE 240-21 WITH TEN FOOT (10) MAXIMUM TAP CONDUCTORS. FUSED DISCONNECT SHALL BE LISTED WITH SAME OR BETTER INTERRUPTING RATING AS EXISTING SOURCE OF SUPPLY.

C – RF (COAX) AND LOW VOLTAGE CABLE

- C1. RF CABLES AND LOW VOLTAGE CABLING BETWEEN BTS, LNA OR TMA AND ANTENNA SHALL BE SUPPORTED USING ANDREW "SNAP-IN" HANGERS OR ACCEPTABLE EQUAL.

D – IDENTIFICATION

- D1. LOCATE NAMEPLATE, MARKING, OR OTHER IDENTIFICATION MEANS ON OUTSIDE EQUIPMENT OR BOX FRONT COVERS.
- D2. PROVIDE NAMEPLATE ENGRAVED WITH EQUIPMENT DESIGNATION FOR EACH SAFETY SWITCH AND ALL OTHER ELECTRICAL CABINETS, ETC.
- D3. DURING TRENCH BACK-FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A CONTINUOUS UNDERGROUND WARNING TAPE TWELVE INCHES BELOW FINISHED GRADE.

A – GENERAL

- A1. INSTALLATION OF GROUNDING ELECTRODE SYSTEM SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND WITH ALL BUILDING CODES OF AUTHORITIES HAVING JURISDICTION.
- A2. GROUNDING CONDUCTORS SHALL BE #2 AWG TINNED SOLID BARE COPPER BELOW AND ABOVE GRADE, UNLESS OTHERWISE NOTED AND SHALL BE ROUTED IN A DOWNWARD PATH TOWARDS GROUND BARS.
- A3. GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AND DIRECT AS POSSIBLE WITH MINIMUM BEND RADIUS OF 12 INCHES.
- A4. ALL BELOW GRADE CONNECTIONS SHALL BE CADWELD TYPE CONNECTIONS AND ALL CONNECTIONS TO EQUIPMENT AND GROUND BARS SHALL BE 2-HOLE BRONZE COMPRESSION CONNECTORS UNLESS OTHERWISE NOTED.
- A5. CONTRACTOR SHALL INSTALL NEW GROUNDING SYSTEM PER SPECIFICATIONS AND INTERCONNECT NEW SYSTEMS TO ANY EXISTING GROUNDING SYSTEMS AS REQUIRED BY NFPA 70 AND 780 (THIS APPLIES TO ELECTRICAL POWER DISTRIBUTION GROUNDING SYSTEM, LIGHTNING PROTECTION GROUNDING SYSTEM, COAX CABLE GROUNDING SYSTEM AND ANY OTHER EXISTING GROUNDING SYSTEMS).
- A6. GROUNDING CONDUCTORS SHALL BE BONDED TO ANTENNA FRAMES, AND ANY SUPPORT FRAMES OR RACKS USING CADWELD OR MECHANICAL CONNECTIONS.
- A7. CONTRACTOR SHALL PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS, STAINLESS STEEL HARDWARE SHALL BE USED THROUGHOUT.
- A8. GROUNDING CONDUCTORS EMBEDDED IN CONCRETE, PENETRATING WALLS, AND/OR FLOORS SHALL BE ENCASED IN PVC CONDUIT. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTORS UNLESS REQUIRED BY LOCAL CODES OR OTHERWISE INDICATED ON DRAWINGS. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS TO PREVENT MOISTURE PENETRATION AND VERMIN INFESTATION.
- A9. CONTRACTOR SHALL BOND GROUNDING SYSTEM VIA THE MASTER GROUND BAR TO ALL METAL OBJECTS WITHIN 12 FEET OF EQUIPMENT, CONDUIT AND CABLES.
- A10. BONDING OF GROUNDED CONDUCTOR (NEUTRAL) AND GROUNDING CONDUCTOR SHALL BE AT SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250-28.
- A11. CONTRACTOR SHALL VERIFY EXACT CONDUIT ROUTING FOR GROUNDING CONDUCTORS WHERE APPLICABLE.
- A12. CONNECTIONS TO CGB SHALL BE ARRANGED IN THE FOLLOWING THREE GROUPS:
 - * SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO CABINET AND POWER PEDESTAL GROUND).
 - * SURGE ABSORBERS (GROUNDING ELECTRODE RING OR BUILDING STEEL).
 - * NON-SURGING OBJECTS (EGB GROUND IN BTS).
- A13. DOUBLING OR STACKING OF ANY GROUNDING CONNECTIONS IS NOT ACCEPTABLE.
- A14. ALL GROUND BARS SHALL BE INSTALLED WITH STAND OFF INSULATORS.

B – PREPARATION

- B1. SURFACES: ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FIELD INSPECTED TO ENSURE PROPER CONTACT. ALL GALVANIZED SURFACES ON WHICH GALVANIZING HAS BEEN REMOVED BY CUTTING, DRILLING, OR ANY OTHER OPERATION SHALL BE RE-GALVANIZED IN ACCORDANCE WITH ASTM A780 USING "ZINC RICH" COATING AS MANUFACTURED BY ZRC CHEMICAL PRODUCTS COMPANY (LOCATED IN QUINCY, MASSACHUSETTS), OR ACCEPTABLE EQUAL. NO WASHERS ARE ALLOWED BETWEEN ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT ("COPPER SHIELD") APPLIED PRIOR TO INSTALLATION.
- B2. GROUND BAR: ALL COPPER GROUND BARS SHALL BE CLEANED, POLISHED AND HAVE A NON-OXIDIZING AGENT ("COPPER SHIELD") APPLIED. NO FINGER PRINTS OR DISCOLORED COPPER SHALL BE PERMITTED.

C – LAND BUILDS AND CO-LOCATES

- C1. THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS UNIFORMLY SPACED AROUND THE EQUIPMENT FOUNDATION AND AROUND THE PERIMETER OF THE TOWER FOUNDATION. THE GROUND RODS SHALL BE 3/8" X 10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 SOLID TINNED BARE COPPER GROUND CONDUCTOR AT A DEPTH OF 30 INCHES BELOW THE SURFACE OF THE SOIL. A MINIMUM OF 1 FOOT AND A MAXIMUM OF 3 FEET CLEARANCES SHALL BE MAINTAINED FROM FOUNDATIONS. GROUND SYSTEMS SHALL BE INTERCONNECTED WITH TWO GROUNDING CONDUCTORS OF EQUAL LENGTH AND MATERIALS.
- C2. GROUND RODS SHALL BE BONDED TO INTERCONNECTING CONDUCTORS AT EQUAL INTERVALS OF APPROXIMATELY 10 FEET.
- C3. GROUND BARS SHALL BE BONDED TO GROUND SYSTEMS WITH SINGLE GROUNDING CONDUCTOR.
- C4. BONDS TO ANTENNA MASTS, FENCE POSTS, WAVEGUIDE BRIDGE, TOWER STEEL (UNLESS PROHIBITED BY TOWER MANUFACTURER) AND THOSE BELOW GRADE SHALL BE EXOTHERMIC TYPE (CADWELD). ALL OTHER BONDS SHALL BE BRONZE 2-HOLE COMPRESSION FITTINGS UNLESS OTHERWISE NOTED.
- C5. GROUNDING CONDUCTORS MAKING A TRANSITION FROM ABOVE TO BELOW GRADE SHALL BE INSULATED FROM EARTH CONTACT BY PASSING THROUGH PVC CONDUIT. THE CONDUIT SHALL EXTEND AT LEAST 6 INCHES ABOVE AND 12 INCHES BELOW GRADE LEVEL.


D – GROUNDING REQUIREMENTS

- D1. CONTRACTOR SHALL INSPECT AND TEST ANY NEW OR EXISTING VERIZON WIRELESS GROUNDING SYSTEM WITH A BIDDLE-MEGGER TESTER UTILIZING THE FALL OF POTENTIAL METHOD AND CONTACT CONSTRUCTION MANAGER IF RESISTANCE EXCEEDS 5 OHMS AND SHALL FIELD MODIFY GROUNDING SYSTEM AS NECESSARY TO ACHIEVE COMPLIANCE. TEST RESULTS AND CONCLUSIONS SHALL BE RECORDED FOR PROJECT CLOSE-OUT DOCUMENTATION.
- D2. COAX CABLE OUTER CONDUCTORS (SHIELDS) SHALL BE GROUNDED USING COAX GROUNDING KITS AT A MINIMUM OF TWO POINTS, INCLUDING AT ANTENNA AND AT MASTER GROUND BAR. THE COAXIAL CABLE SHALL NOT EXCEED 100 FEET BETWEEN GROUNDING KITS.

REV	DATE	DESCRIPTION
0	08/25/22	FINAL PLANS ISSUED

PROJECT NO.:	22-5414
DRAWN BY:	J.MENDEZ
PROJECT MANAGER:	M. MURPHY
CHECKED BY:	M. MURPHY

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ENGINEERING GROUP, INC.
TOGETHER PLANNING A BETTER TOMORROW

12979 TELECOM PARKWAY N
TEMPLE TERRACE, FLORIDA 33637
(813) 615-1422

CERTIFICATE OF AUTHORIZATION 33693



7701 TELECOM PARKWAY EAST
TEMPLE TERRACE, FLORIDA 33637

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NAPLES DT NAP001
#15033509

RIGHT-OF-WAY OF GORDON DRIVE
JUST SOUTH OF 12TH AVENUE S
NAPLES, FLORIDA 34102
(COLLIER COUNTY)

SHEET NAME
ELECTRICAL /
GROUNDING NOTES

SHEET NUMBER
E1



PROPOSED HANDHOLE (PROVIDED BY FPL)
 PROPOSED 5'X5' WORK AREA
 EXISTING FPL TRANSMISSION POLE (PROPOSED POWER SOURCE)
 PROPOSED HANDHOLE

EXISTING FIRE HYDRANT

CONTRACTOR TO DIRECTIONAL DRILL 3" CONDUIT (ALUMINUM CONDUCTOR) OR 2" CONDUIT (COPPER CONDUCTOR) TO BASE OF POLE

GORDON DRIVE (60' PUBLIC R.O.W.)

12TH AVENUE S (80' PUBLIC R.O.W.)

EXISTING FIRE HYDRANT

PROPOSED POLE LOCATION
 LATITUDE - 26°07'54.33" (26.131758°)
 LONGITUDE - 081°48'11.57" (-81.803214°)

KEY:

	WATER MAIN
	RECLAIMED WATER LINE
	STORMWATER MAIN
	SANITARY GRAVITY MAIN

CONSTRUCTION NOTE:
 ANY CONSTRUCTION AT THE SITE WILL USE BEST MANAGEMENT PRACTICES INCLUDING SOIL EROSION CONTROL MEASURES, AS ALSO REQUIRED BY LOCAL JURISDICTION, AND NOTED ON THE CONSTRUCTION DRAWING.

BILL OF MATERIALS:

• WIRE SIZE:	300 KCML	#3/0
• WIRE COUNT:	3	3
• WIRE LENGTH:	402' ea	402' ea
• WIRE TYPE:	ALUMINUM	COPPER
• HANDHOLE COUNT:	1	1

NOTES:

- CONTRACTOR SHALL RESTORE AND REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.
- ALL NEW WORK TO BE PERFORMED PER LATEST VERIZON WIRELESS STANDARDS & SPECIFICATIONS AND PER MANATEE COUNTY PUBLIC WORKS STANDARDS.

REV	DATE	DESCRIPTION
0	08/25/22	FINAL PLANS ISSUED
1	09/16/22	REVISED PER COMMENTS

PROJECT NO.: 22-5414

DRAWN BY:	J.MENDEZ
PROJECT MANAGER:	M. MURPHY
CHECKED BY:	M. MURPHY

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 TEMPLE TERRACE, FLORIDA 33637
 (813) 615-1422

CERTIFICATE OF AUTHORIZATION 33693

verizon

7701 TELECOM PARKWAY EAST
 TEMPLE TERRACE, FLORIDA 33637

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NAPLES DT NAP001
 #15033509

RIGHT-OF-WAY OF GORDON DRIVE
 JUST SOUTH OF 12TH AVENUE S
 NAPLES, FLORIDA 34102
 (COLLIER COUNTY)

SHEET NAME
 UTILITY
 POWER PLAN

SHEET NUMBER
 E2



REV	DATE	DESCRIPTION
0	08/25/22	FINAL PLANS ISSUED
1	09/16/22	REVISED PER COMMENTS

PROJECT NO.:	22-5414
DRAWN BY:	J.MENDEZ
PROJECT MANAGER:	M. MURPHY
CHECKED BY:	M. MURPHY

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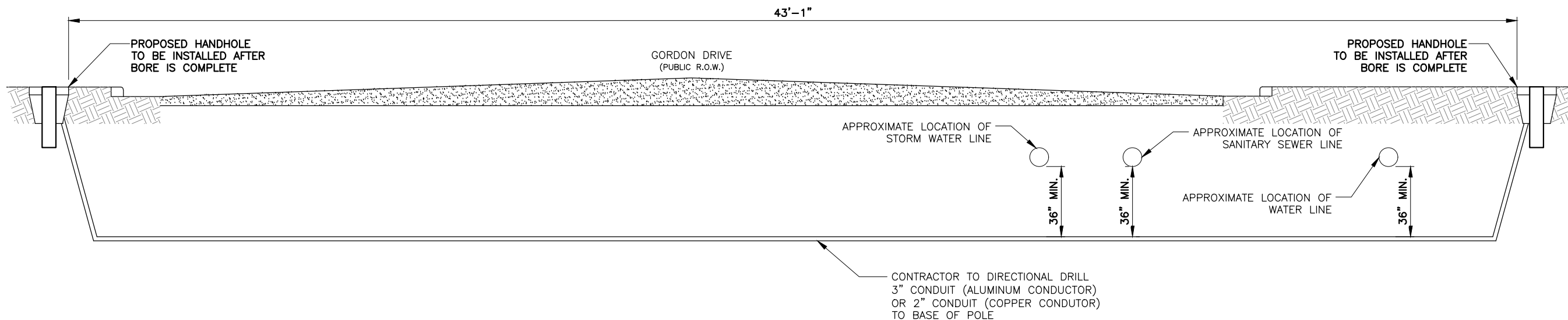
NAPLES DT NAP001
 #15033509

RIGHT-OF-WAY OF GORDON DRIVE
 JUST SOUTH OF 12TH AVENUE S
 NAPLES, FLORIDA 34102
 (COLLIER COUNTY)

SHEET NAME
 TYPICAL
 CROSS-SECTION

SHEET NUMBER
 E3


NOTES:
 ALL UTILITIES NOT SHOWN IN R/W WILL BE LOCATED PRIOR TO CONSTRUCTION.
 ALL UTILITIES IN AREA ARE APPROXIMATE. LOCATE PRIOR TO CONSTRUCTION.
 MAINTAIN 36" MIN. HORIZONTAL AND 36" VERTICAL UTILITY SEPARATION.
 DRIVEWAYS, TREES & CULVERTS WILL BE DIRECTIONAL BORED.
 CONTRACTOR TO MAINTAIN 5' HORIZONTAL CLEARANCE IF DIRECTIONAL BORE IS USED PARALLEL TO AN EXISTING WASTEWATER PIPELINE.
 RIGHT OF WAYS WILL BE RESTORED AS GOOD AS OR BETTER THAN ORIGINAL CONDITION & COMPACTED PER CITY OF NAPLES STANDARDS.



REV	DATE	DESCRIPTION
0	08/25/22	FINAL PLANS ISSUED

PROJECT NO.:	22-5414
DRAWN BY:	J.MENDEZ
PROJECT MANAGER:	M. MURPHY
CHECKED BY:	M. MURPHY

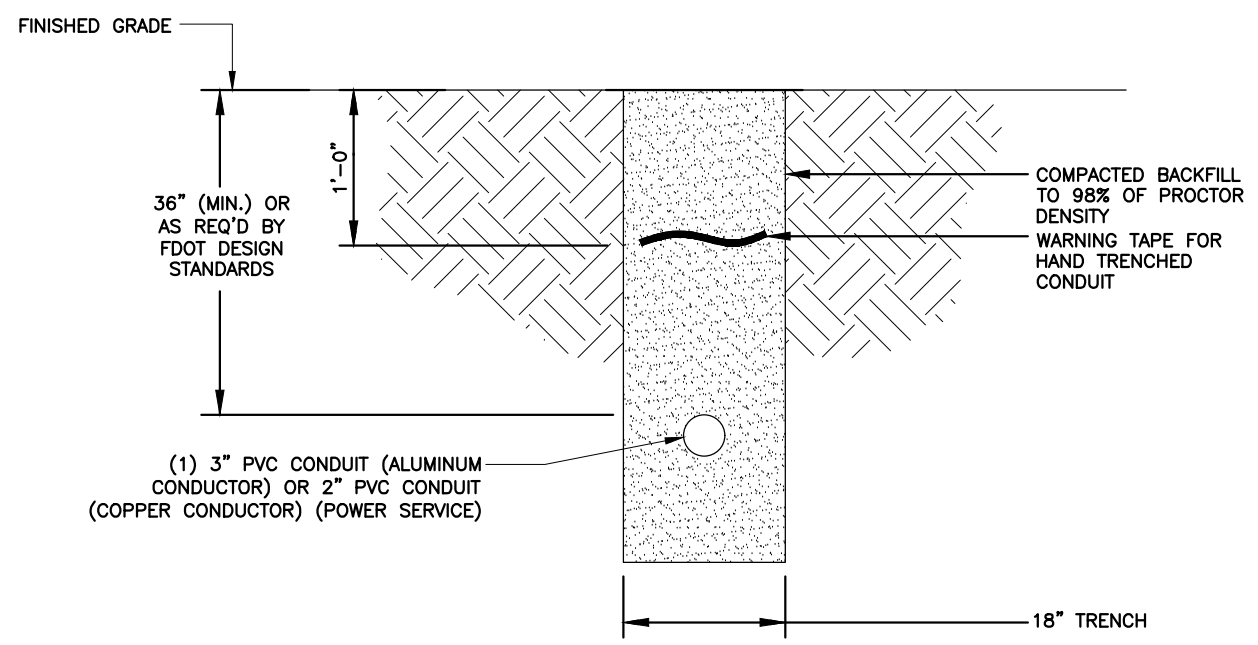
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SNW
ENGINEERING GROUP, INC.
TOGETHER PLANNING A BETTER TOMORROW

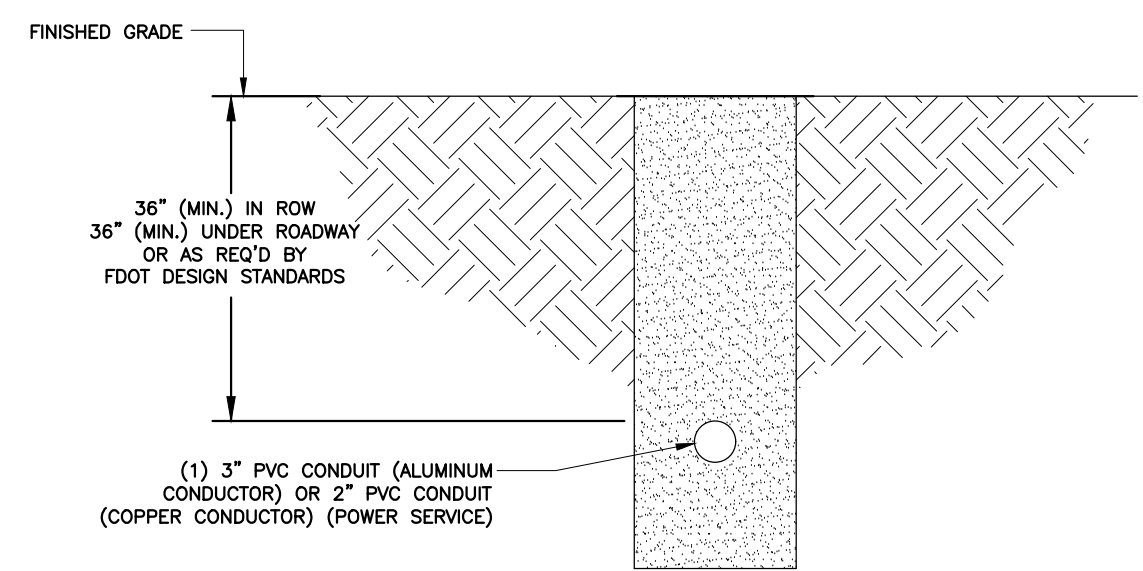
12979 TELECOM PARKWAY N
TEMPLE TERRACE, FLORIDA 33637
(813) 615-1422

CERTIFICATE OF AUTHORIZATION 33693



TRENCHING DETAIL

NTS 1



BORING DETAIL

NTS 2



7701 TELECOM PARKWAY EAST
TEMPLE TERRACE, FLORIDA 33637

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NAPLES DT NAP001
#15033509

RIGHT-OF-WAY OF GORDON DRIVE
JUST SOUTH OF 12TH AVENUE S
NAPLES, FLORIDA 34102
(COLLIER COUNTY)

SHEET NAME
ELECTRICAL
DETAILS

SHEET NUMBER
E4

