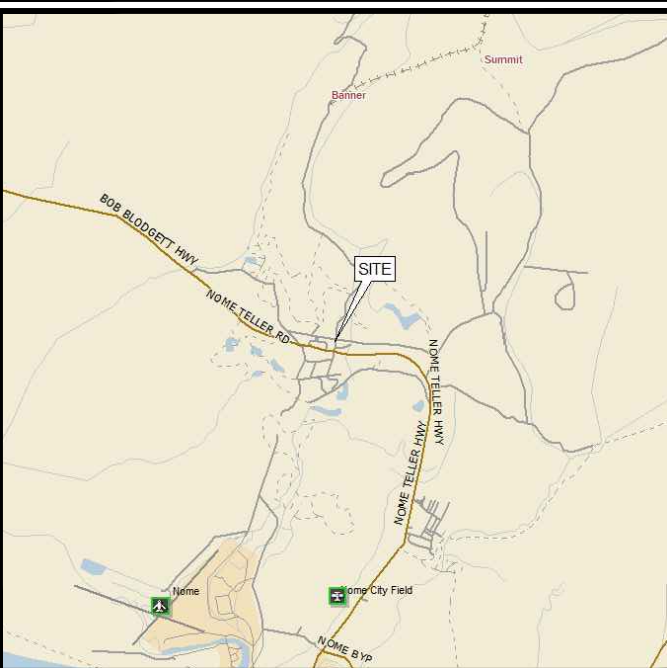


SITE NAME: NOME
PROJECT DESCRIPTION: PROPOSED TELECOMMUNICATIONS FACILITY
TOWER TYPE: 105' SELF-SUPPORT TOWER
SITE ADDRESS: OLD CENTER CREEK RD NOME, AK 99762 (E911 ADDRESS TBD) (NOME CENSUS AREA)
AREA OF CONSTRUCTION: 2,500± SQ. FT. (LEASE AREA)
LEGAL DESCRIPTION:
PRESENT OCCUPANCY TYPE:
PARCEL #: 198.2.095
ZONING: GENERAL USE

PROJECT INFORMATION

LATITUDE: N 64° 32' 32.7372" (NAD '83) *
LONGITUDE: W 165° 24' 3.0816" (NAD '83) *

SITE COORDINATES



LOCATION MAP

FROM NOME AIRPORT: TAKE A LEFT ONTO SEPPALA DR. TURN LEFT ONTO CENTER CREEK RD. TURRIGHT ONTO NOME-TELLER RD. TURN A LEFT ONTO OLD CENTER CREEK RD. SITE WILL BE ON THE LEFT.

DRIVING DIRECTIONS

SITE NAME:
NOME

OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING
 (800) 478-3121
EMERGENCY:
 CALL 911

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

| | |
|---|---|
| 1. INTERNATIONAL BUILDING CODE (2009 EDITION) WITH LOCAL AMENDMENTS | 4. NATIONAL ELECTRIC CODE (2011 EDITION) |
| 2. INTERNATIONAL CODE COUNCIL ANSITIA/EIA-222-G | 5. KENAI PENINSULA BOROUGH CODE OF ORDINANCES |

CODE COMPLIANCE

CONSTRUCTION OF A TELECOMMUNICATION FACILITY, CONSISTING OF ANTENNAS & ASSOCIATED APPURTENANCES ON A PROPOSED SELF SUPPORT TOWER, FENCED COMPOUND & SERVICE EQUIPMENT FOR FUTURE CARRIERS. NO WATER OR SEWER IS REQUIRED.

- FACILITY DESIGNED IN ACCORDANCE WITH THE CITY OF THE NOME REGULATIONS.
- THIS IS AN UNMANNED FACILITY WHICH WILL NOT REQUIRE ANY WATER OR SEWER FACILITIES.
- TRAFFIC WILL CONSIST ONLY OF MAINTENANCE PERSONNEL, VISITING THE SITE APPROXIMATELY TWICE A MONTH.

PROJECT DESCRIPTION & NOTES

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

| REV | DATE | ISSUED FOR: |
|-----|----------|-------------|
| 0 | 02-26-24 | PRELIMINARY |

DRAWN BY: SIT CHECKED BY: KE5

SITE CONSTRUCTION MANAGER:
 NAME: WIBLUE, INC.
 CONTACT: COREY BONNER
 PHONE: (303) 448-8896

SITE APPLICANT:
 NAME: ATLAS TOWER HOLDINGS, LLC
 ADDRESS: 3002 BLUFF STREET SUITE 300
 CITY, STATE, ZIP: BOULDER, CO 80301
 CONTACT: SANDRA LAYTON
 PHONE: (303) 448-8896

ORIGINAL SURVEYOR:
 NAME: TBD
 ADDRESS:
 CITY, STATE, ZIP:
 CONTACT:
 PHONE:

CIVIL ENGINEER:
 NAME: TOWER ENGINEERING PROFESSIONALS
 ADDRESS: 326 TRYON ROAD
 CITY, STATE, ZIP: RALIEGH, NC 27603
 CONTACT: ANDREW T. HALDANE, P.E.
 PHONE: (919) 661-6351

ELECTRICAL ENGINEER:
 NAME: TOWER ENGINEERING PROFESSIONALS
 ADDRESS: 326 TRYON ROAD
 CITY, STATE, ZIP: RALEIGH, NC 27603
 CONTACT: ANDREW HALDANE, P.E.
 PHONE: (919) 661-6351

PROPERTY OWNER:
 NAME: CITY OF NOME/HIGH SCHOOL COMPLEX
 ADDRESS: PO BOX 281
 CITY, STATE, ZIP: NOME, AK 99762

UTILITIES:
 POWER COMPANY: TBD
 ADDRESS:
 CONTACT:
 PHONE:
 METER # NEAR SITE:
 JOB ORDER #:

TELEPHONE COMPANY: TBD
 CONTACT:
 PHONE:
 PEDESTAL # NEAR SITE:

| SHEET | DESCRIPTION | REV |
|-------|---------------------------------------|-----|
| T1 | TITLE SHEET | 0 |
| N1 | GENERAL NOTES | 0 |
| C1 | AREA PLAN | 0 |
| C2 | SITE PLAN | 0 |
| C3 | COMPOUND DETAIL | 0 |
| C4 | TOWER ELEVATIONS | 0 |
| C5 | FENCE DETAILS | 0 |
| C6 | SOIL EROSION CONTROL PLAN | 0 |
| C7 | SILT FENCE DETAILS | 0 |
| C8 | DRIVEWAY DETAILS | 0 |
| E1 | ELECTRICAL NOTES | 0 |
| E2 | POWER TELCO PLAN AND ONE LINE DIAGRAM | 0 |
| E3 | SERVICE RACK DETAILS | 0 |
| E4 | GROUNDING PLAN AND DETAILS | 0 |
| E5 | GROUNDING DETAILS I | 0 |
| E6 | TOWER FOUNDATION GROUNDING DETAILS | 0 |

SEAL:

SEAL:

SHEET NUMBER: **T-1** REVISION: **0**
 TEP#: 336656.XXXXXX

CONTACT INFORMATION

INDEX OF SHEETS

GENERAL NOTES:

1. ALL REFERENCES TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED ATLAS 1, LLC, OR ITS DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF ALASKA.
3. STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/TIA/EIA-222-H. THIS CONFORMS TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2009 EDITION.
4. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2009 EDITION.
5. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
6. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
7. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
8. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
9. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
12. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR. CONTRACTOR SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
13. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
14. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
15. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFTER MATERIAL SHALL BE REWORKED OR REPLACED.
16. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
17. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
18. ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

STRUCTURAL STEEL NOTES:

1. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATION FOR MANUAL OF STEEL CONSTRUCTION, 14TH EDITION.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - A. STRUCTURAL STEEL, ASTM DESIGNATION A36 OR A992 GR50.
 - B. ALL BOLTS, ASTM A325 TYPE I GALVANIZED HIGH STRENGTH BOLTS.
 - C. ALL NUTS, ASTM A563 CARBON AND ALLOY STEEL NUTS.
 - D. ALL WASHERS, ASTM F436 HARDENED STEEL WASHERS.
3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATION FOR MANUAL OF STEEL CONSTRUCTION, 14TH EDITION.
4. HOLES SHALL NOT BE FLAME CUT THRU STEEL UNLESS APPROVED BY THE ENGINEER.
5. HOT-DIP GALVANIZE ALL ITEMS UNLESS OTHERWISE NOTED, AFTER FABRICATION WHERE PRACTICABLE. GALVANIZING: ASTM A123, ASTM A153/A153M OR ASTM A653/A653M, G90, AS APPLICABLE.
6. REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED, WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS IN STICK OR PASTED; SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
7. A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED BOLTS.
8. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH TO EXCLUDE THE THREADS FROM THE SHEAR PLANE.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
10. ALL ASSEMBLY BOLTS ARE TO BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN SECTION 8.1 OF THE AISC, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", DATED JUNE 30, 2004.
11. FLAT WASHERS ARE TO BE INSTALLED WITH BOLTS OVER SLOTTED HOLES.
12. DO NOT OVER TORQUE ASSEMBLY BOLTS. GALVANIZING ON BOLTS, NUTS, AND STEEL PARTS MAY ACT AS A LUBRICANT, THUS OVER TIGHTENING MAY OCCUR AND MAY CAUSE BOLTS TO CRACK AND SNAP OFF.
13. PAL NUTS ARE TO BE INSTALLED AFTER NUTS ARE TIGHT AND WITH EDGE LIP OUT. PAL NUTS ARE NOT REQUIRED WHEN SELF-LOCKING NUTS ARE PROVIDED.
14. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
15. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.1-2010 STRUCTURAL WELDING CODE - STEEL.

PROJECT INFORMATION:

NOME

OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

PLANS PREPARED FOR:



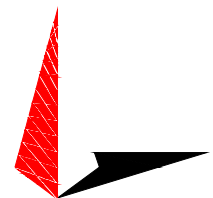
Office: (888) 609-9596

PLANS PREPARED FOR:



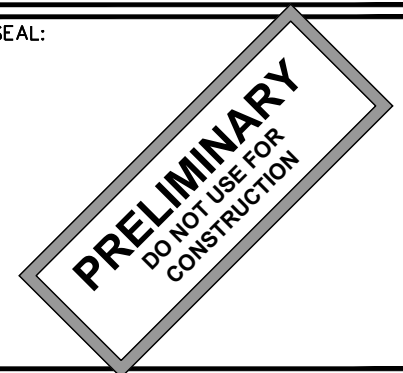
USA - INTERNATIONAL
 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:



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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:

GENERAL NOTES

| | |
|---------------|---------------------|
| SHEET NUMBER: | REVISION: |
| N-1 | 0 |
| | TEP#: 336656.XXXXXX |

LEGEND

- PARENT PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXIST. UTILITY POLE
- EXIST. TELCO PEDESTAL
- EXIST. POWER METER
- EXIST. TRANSFORMER
- PROPERTY CORNER
- LEASE/EASEMENT CORNER
- EXIST. CONTOUR LINE
- EDGE OF PAVEMENT
- OVERHEAD WIRE
- UNDERGROUND GAS
- RIGHT-OF-WAY
- CHAIN LINK FENCE
- EXISTING TREE LINE
- EXIST. LIGHT POLE

SITE COORDINATES

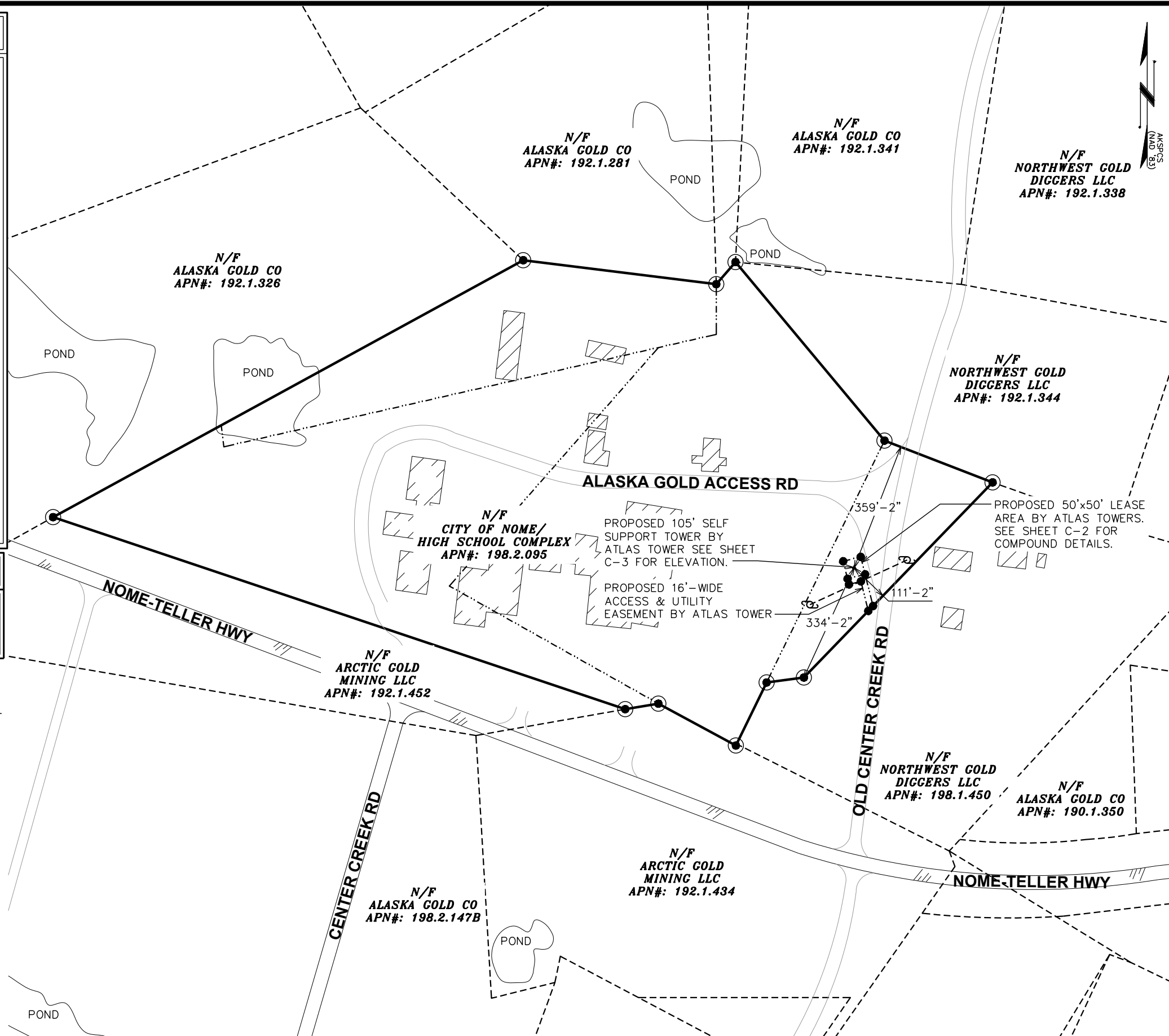
LATITUDE: N 64° 32' 32.7372"(NAD '83)
 LONGITUDE: W 165° 24' 3.0816" (NAD '83)
 GROUND ELEVATION: 131.0' (NAVD '88)

NOTES:

1. SITE PLAN WAS PREPARED USING AERIAL IMAGERY AND GIS INFORMATION FROM CITY OF NOME. FOR CORRECTIVE ACTION PLEASE CONTACT TEP.
2. ALL DISTANCES ARE GROUND UNLESS OTHERWISE NOTED.
3. THE PROPOSED TOWER IS LOCATED IN AN AREA UNMAPPED BY FEMA. FLOOD RISK HAS NOT BEEN DETERMINED.

AREA PLAN

SCALE: 1" = 300'



PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

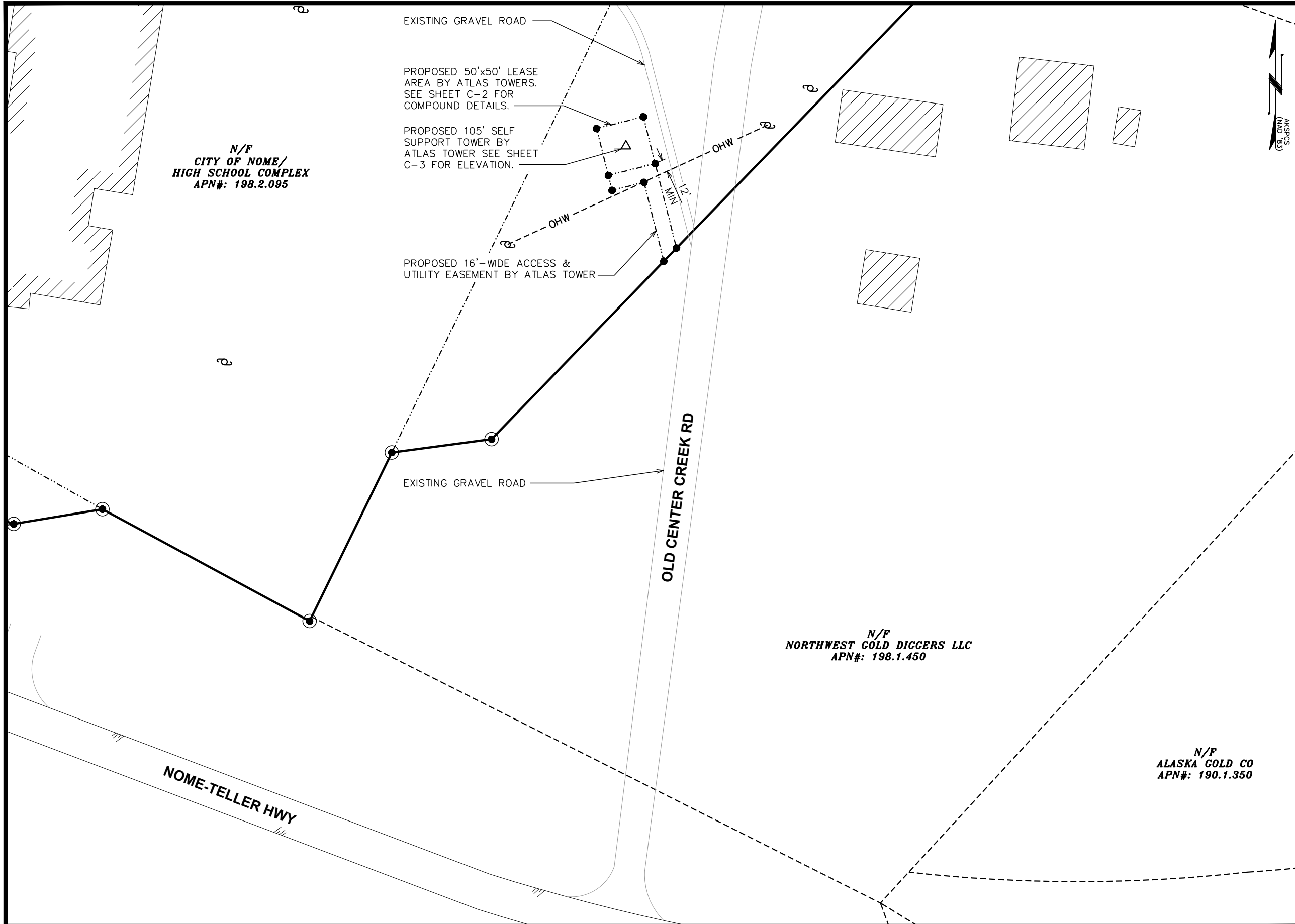
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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT | CHECKED BY: KES

SHEET TITLE:
AREA PLAN

SHEET NUMBER: **C-1** | REVISION: **0**
 TEP#: 336656.XXXXXX



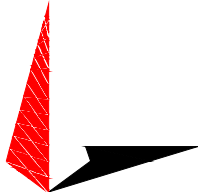
PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

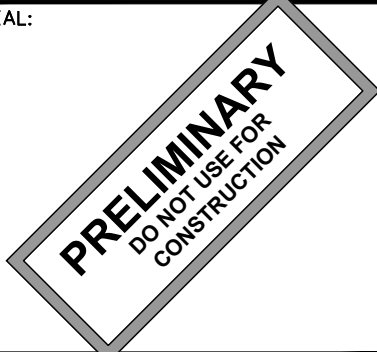
PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 USA - INTERNATIONAL
 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:


| REV | DATE | ISSUED FOR: |
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SHEET TITLE:
AREA PLAN

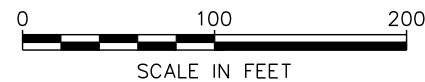
SHEET NUMBER:
C-2

REVISION:
0

TEP#: 336656.XXXXXX

AREA PLAN


SCALE: 1" = 100'

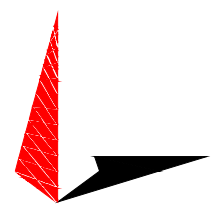


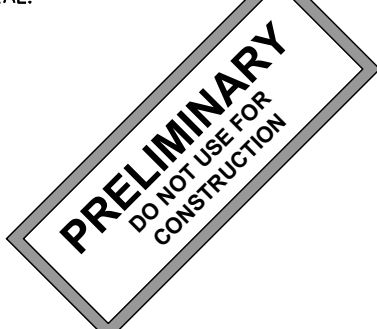
PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 USA • INTERNATIONAL
 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:


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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

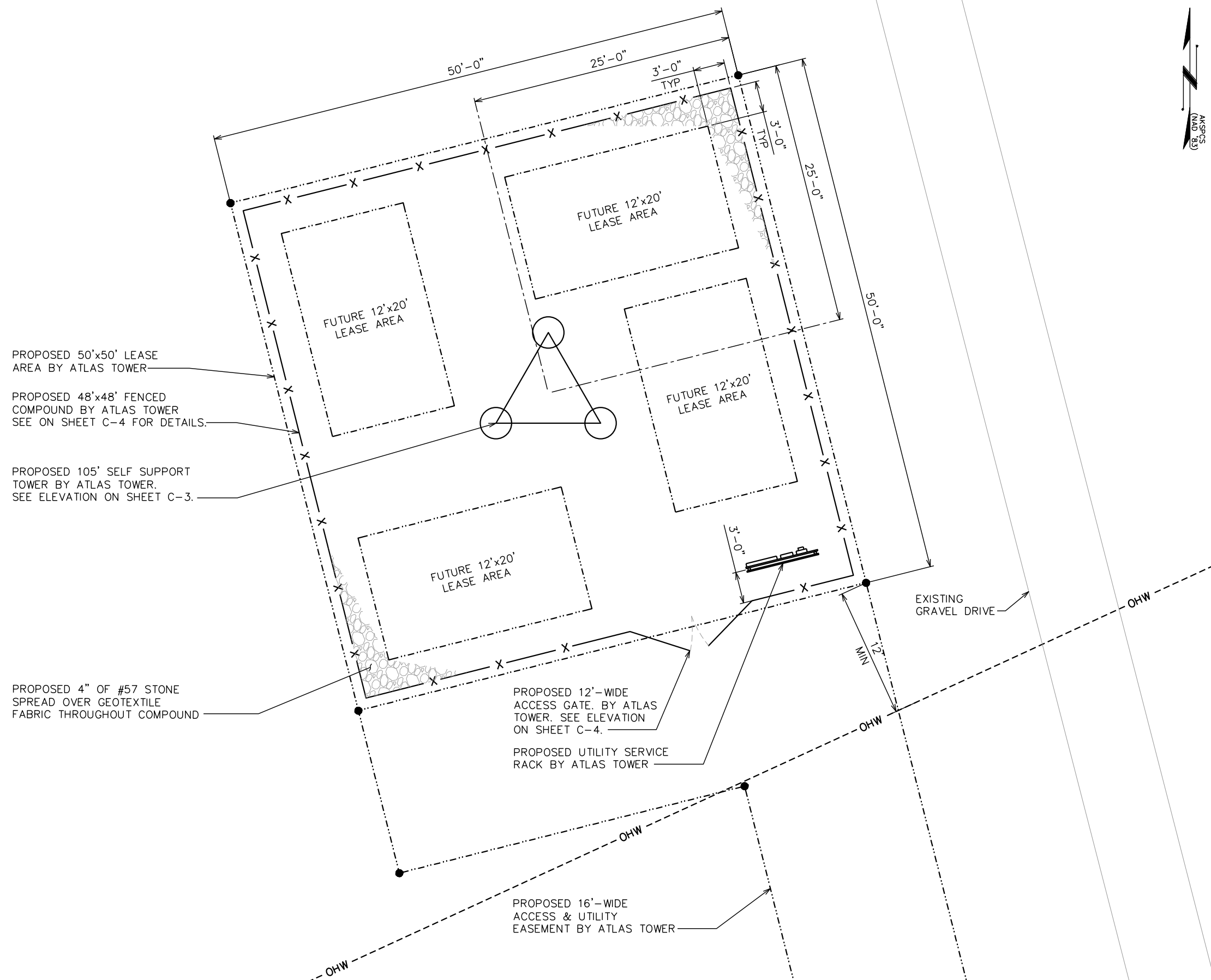
DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:
**COMPOUND
 DETAIL**

SHEET NUMBER:
C-3

REVISION:
0

TEP#: 336656.XXXXXX



COMPOUND DETAIL
 SCALE: 1" = 10'-0"



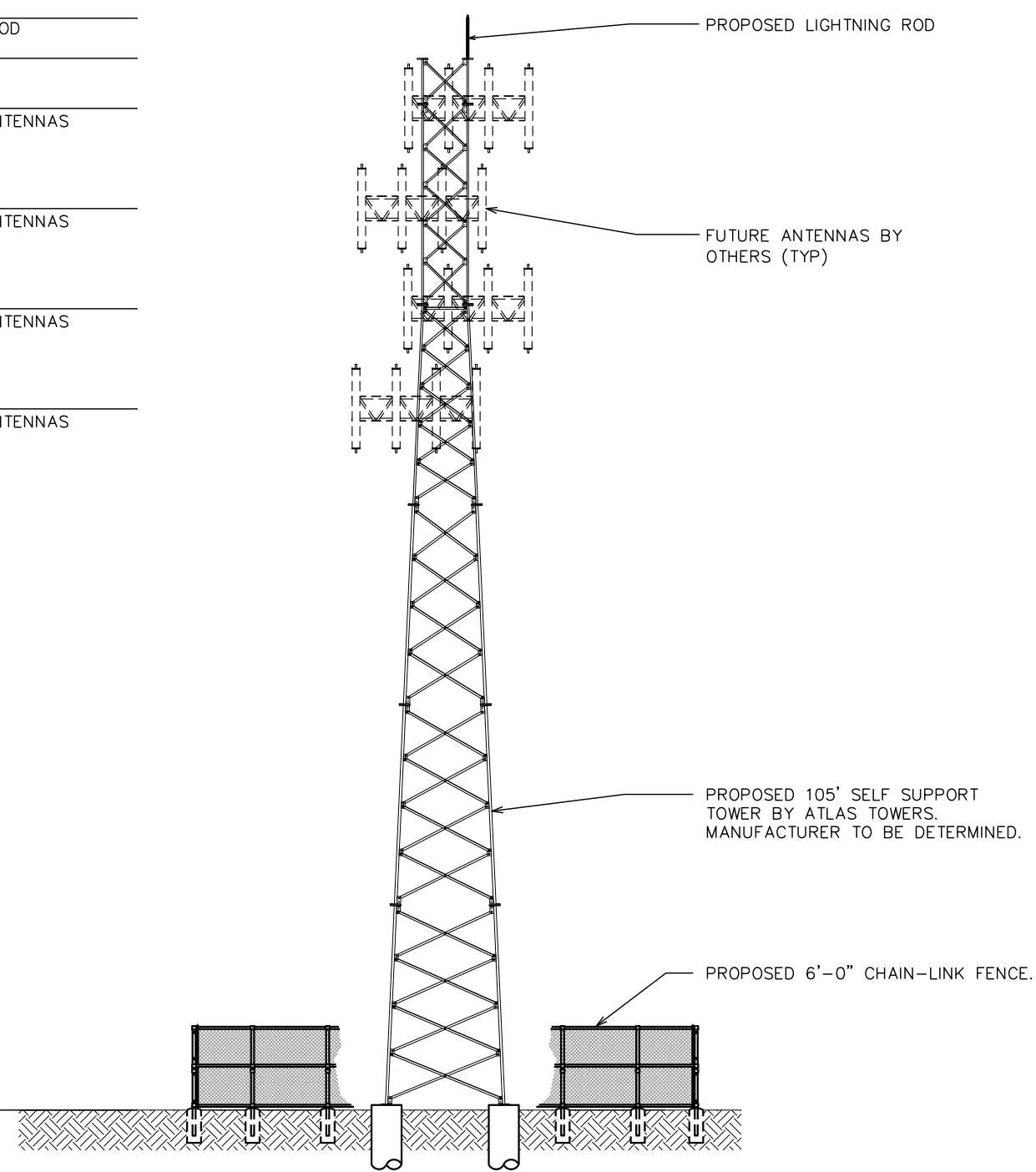
- 109'-0"±
T/LIGHTNING ROD
- 105'-0"±
T/TOWER
- 100'-0"±
CL/ FUTURE ANTENNAS

- 90'-0"±
CL/ FUTURE ANTENNAS

- 80'-0"±
CL/ FUTURE ANTENNAS

- 70'-0"±
CL/ FUTURE ANTENNAS

0'-0" (REF)
T/ GRADE



PROJECT INFORMATION:
NOME
OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:
WiBlue Inc.
Office: (888) 609-9596

PLANS PREPARED FOR:
ATLAS TOWER
USA - INTERNATIONAL
3002 BLUFF ST, SUITE 300
BOULDER, CO 80301
Office: (303) 448-8896

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
4700 DAHLIA STREET
DENVER, CO 80216
OFFICE: (303) 566-9914
www.tepgroup.net

SEAL:
PRELIMINARY
DO NOT USE FOR
CONSTRUCTION

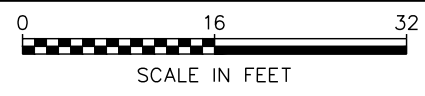
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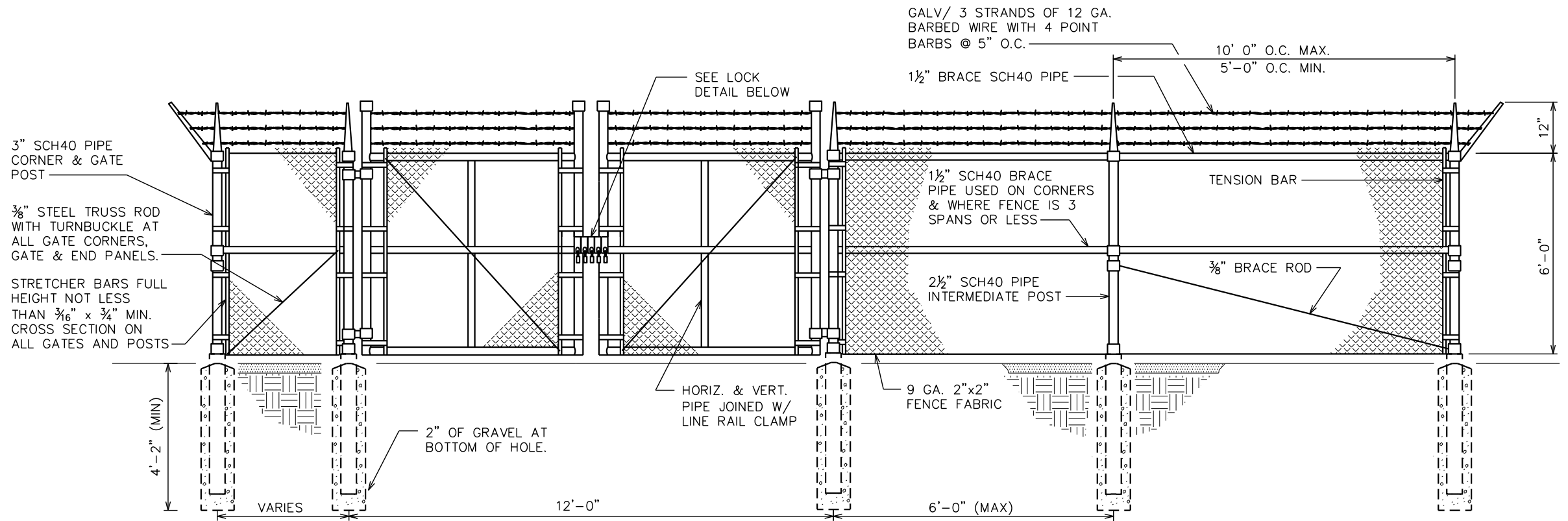
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SHEET TITLE:
TOWER ELEVATIONS

SHEET NUMBER: **C-4** REVISION: **0**
TEP#: 336656.XXXXXX

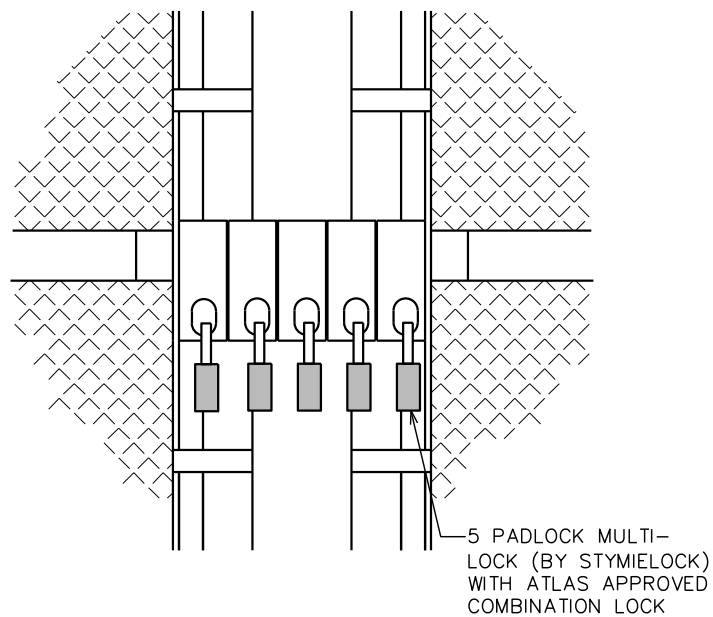
PROPOSED TOWER ELEVATION
SCALE: 1" = 16'





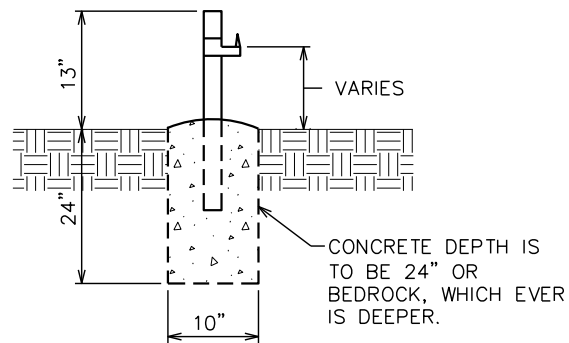
TYPICAL FENCE ELEVATION

SCALE: N.T.S.



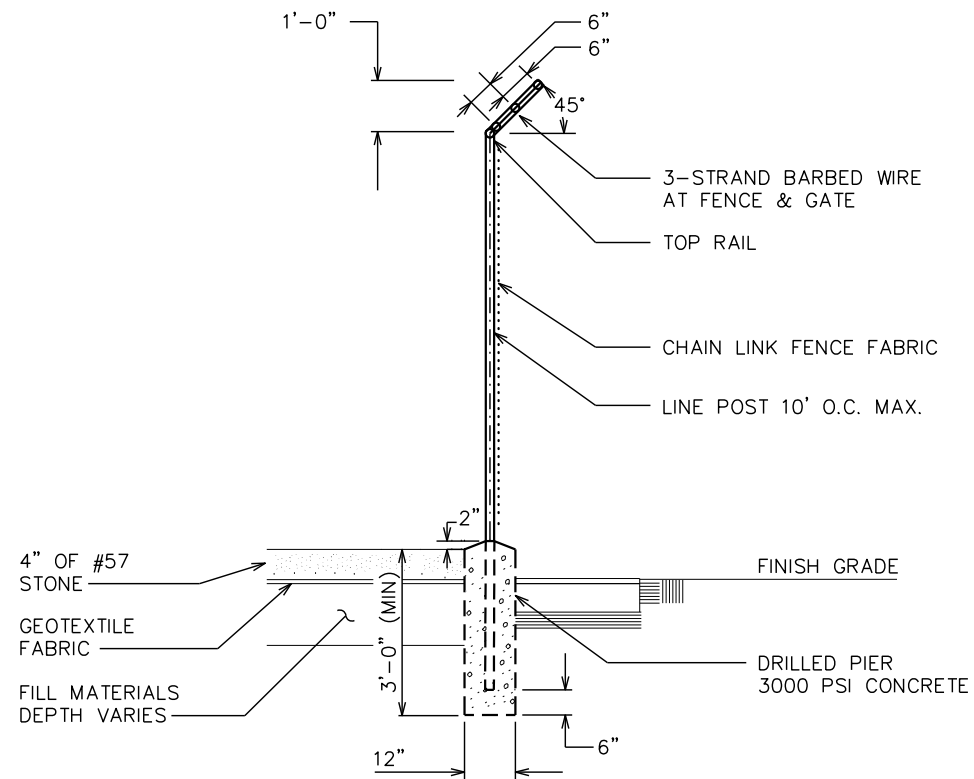
GATE LOCK DETAIL

SCALE: N.T.S.



GATE STOP/KEEPER DETAIL

SCALE: N.T.S.



FENCE / BARBED WIRE ARM DETAIL

SCALE: N.T.S.

PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:

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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES


SHEET TITLE:
FENCE DETAILS

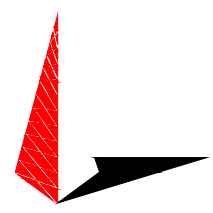
SHEET NUMBER: **C-5** REVISION: **0**
 TEP#: 336656.XXXXXX

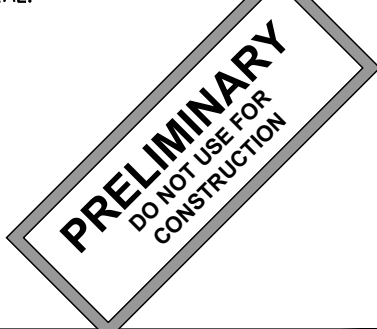
PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

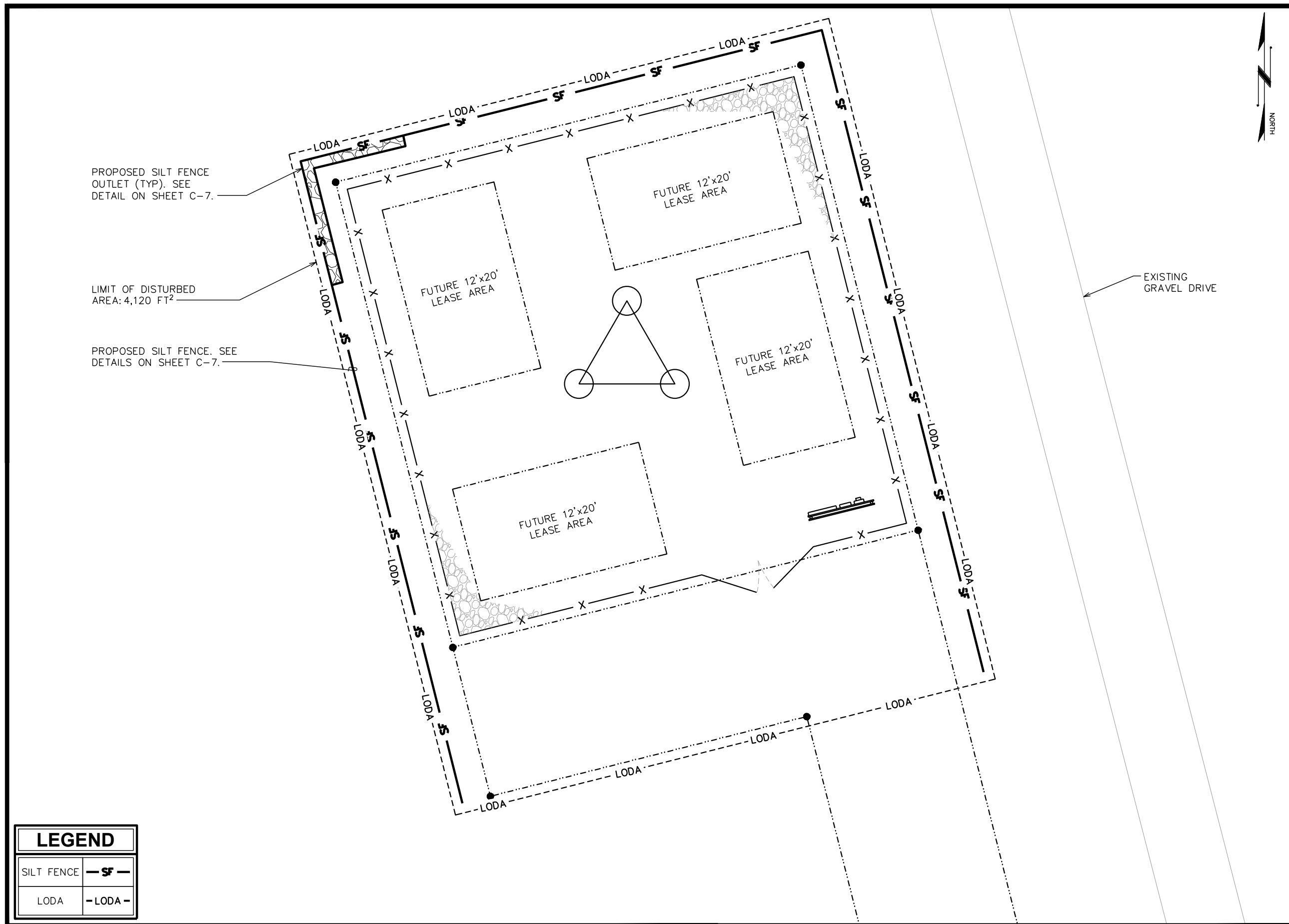
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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

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SHEET TITLE:
SOIL EROSION CONTROL PLAN

SHEET NUMBER: **C-6** REVISION: **0**
 TEP#: 336656.XXXXXX



PROPOSED SILT FENCE OUTLET (TYP). SEE DETAIL ON SHEET C-7.

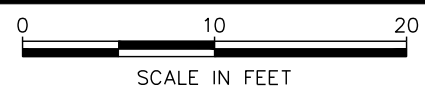
LIMIT OF DISTURBED AREA: 4,120 FT²

PROPOSED SILT FENCE. SEE DETAILS ON SHEET C-7.

EXISTING GRAVEL DRIVE

| LEGEND | |
|------------|----------|
| SILT FENCE | - SF - |
| LODA | - LODA - |

GRADING & SOIL EROSION CONTROL PLAN
 SCALE: 1" = 10'

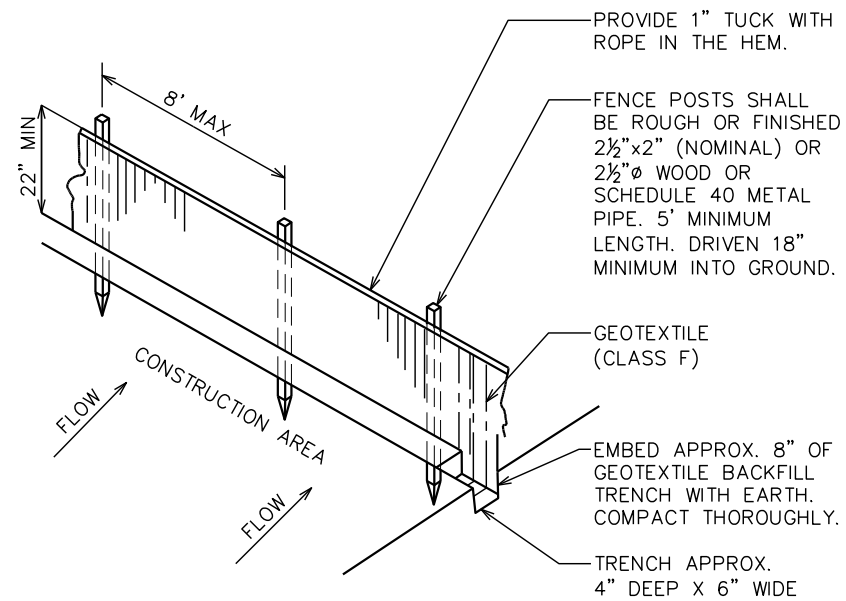


SITE GRADING NOTES:

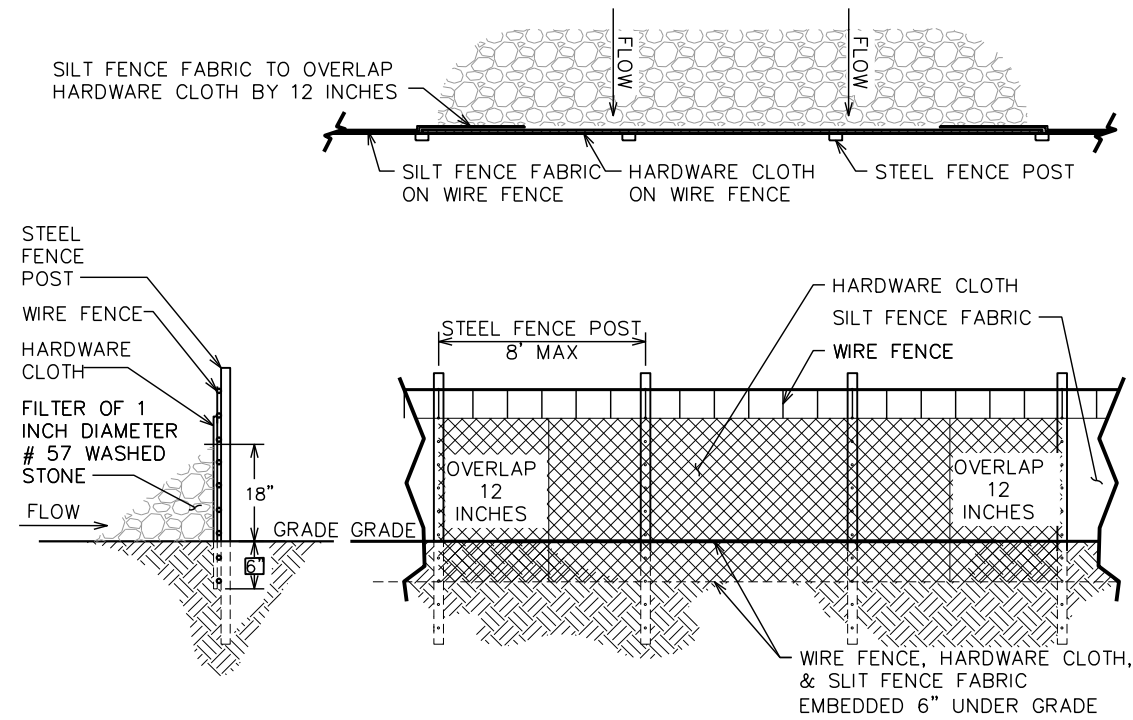
1. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
2. TEMPORARY SEEDING OR OTHER STABILIZATION, INCLUDING GRAVEL COVER ON ANY NEW ACCESS ROAD, WILL FOLLOW IMMEDIATELY AFTER GRADING.
3. THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
4. AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY E&S CONTROLS WILL BE CLEANED UP AND REMOVED.

GEOTEXTILE FABRIC NOTES:

1. GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE POST BY USE OF WIRE TIES OR HOG RINGS. 3 FASTENERS PER POST.
2. ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE SHALL BE SECURELY FASTENED TO A COMMON POST OR OVERLAPPED 3' (MINIMUM).
3. THIS DEVICE IS INTENDED TO CONTROL SHEET FLOW ONLY. IT WILL NOT BE USED IN AREAS OF CONCENTRATED FLOW WITH A DRAINAGE AREA OF 1/2 ACRE OR MORE.



SILT FENCE



SILT FENCE OUTLET

SILT FENCE DETAIL

N.T.S.

PROJECT INFORMATION:

NOME

OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:



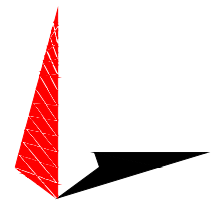
Office: (888) 609-9596

PLANS PREPARED FOR:



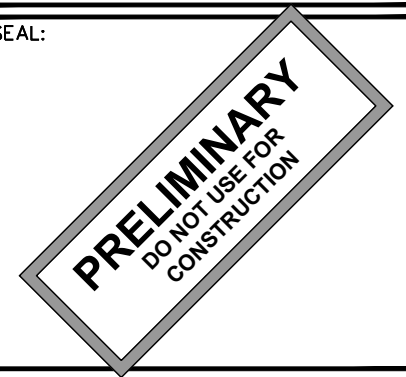
3002 BLUFF ST, SUITE 300
BOULDER, CO 80301
Office: (303) 448-8896

PLANS PREPARED BY:



4700 DAHLIA STREET
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www.tepgroup.net

SEAL:

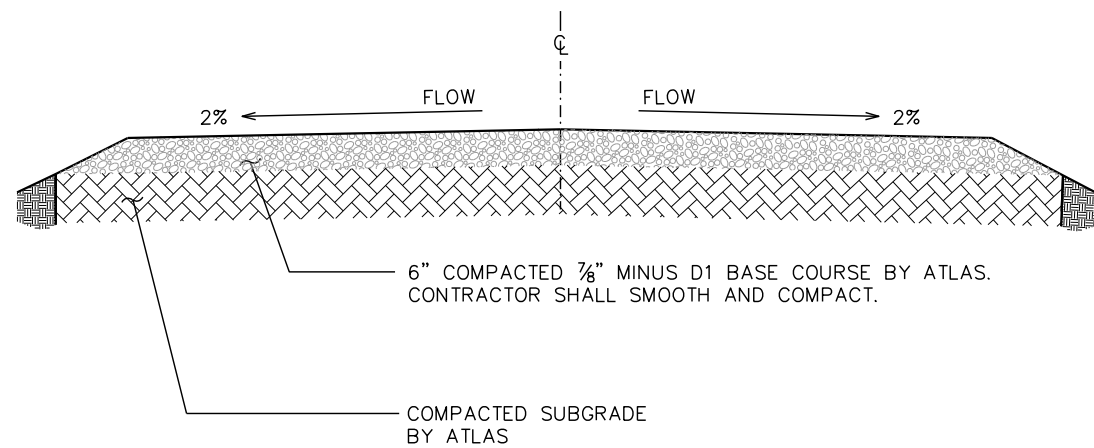


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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

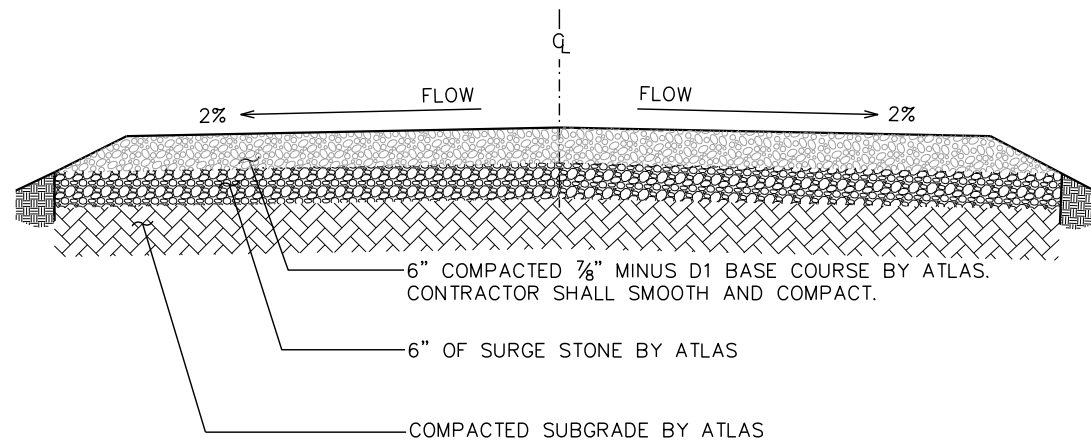
SHEET TITLE:
SILT FENCE DETAIL

SHEET NUMBER: **C-7** REVISION: **0**
TEP#: 336656.XXXXXX



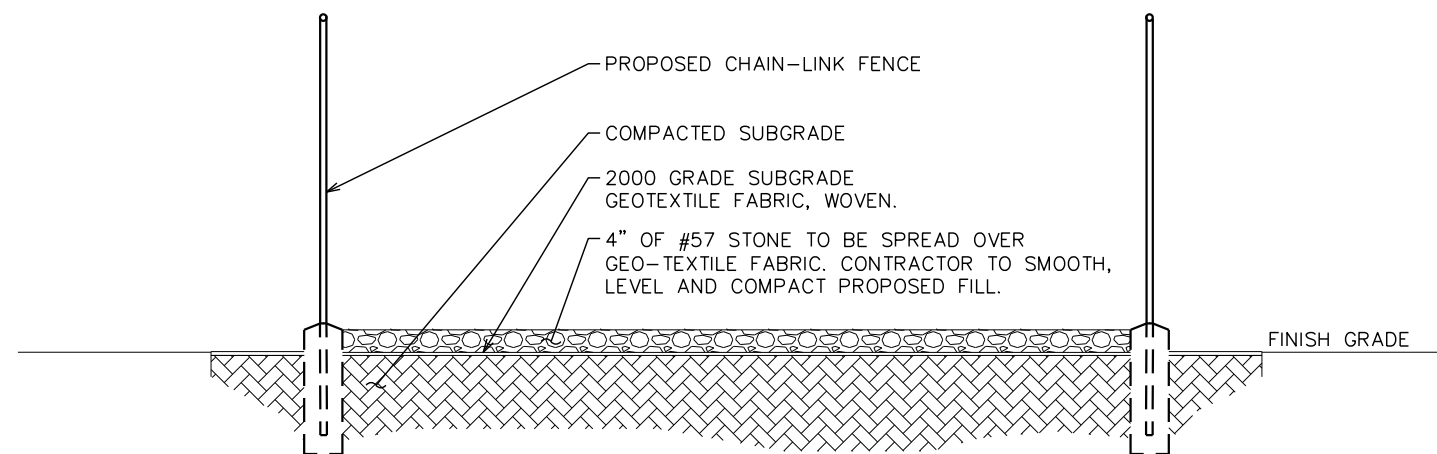
STANDARD ROAD SECTION (GOOD SUBGRADE)

SCALE: 3/8" = 1'-0"



STANDARD ROAD SECTION (POOR SUBGRADE)

SCALE: 3/8" = 1'-0"



COMPOUND SECTION VIEW

SCALE: N.T.S.

PROJECT INFORMATION:

NOME

OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:



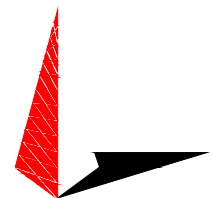
Office: (888) 609-9596

PLANS PREPARED FOR:



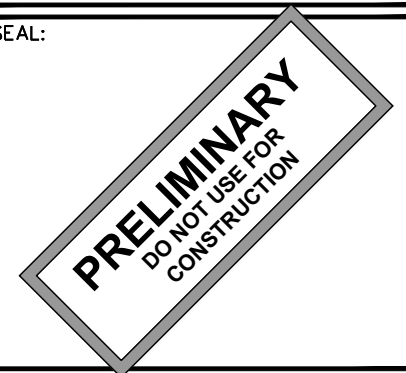
USA • INTERNATIONAL
3002 BLUFF ST, SUITE 300
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PLANS PREPARED BY:



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4700 DAHLIA STREET
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SEAL:



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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:

DRIVEWAY DETAILS

SHEET NUMBER:

C-8

REVISION:

0

TEP#: 336656.XXXXXX

ELECTRICAL NOTES:

SCOPE:

1. PROVIDE LABOR, MATERIALS, INSPECTION, AND TESTING TO PROVIDE CODE COMPLIANCE FOR ELECTRIC, TELEPHONE, AND GROUNDING/LIGHTNING SYSTEMS.

CODES:

1. THE INSTALLATION SHALL COMPLY WITH APPLICABLE LAWS AND CODES. THESE INCLUDE BUT ARE NOT LIMITED TO THE LATEST ADOPTED EDITIONS OF:
 - A. THE NATIONAL ELECTRICAL SAFETY CODE
 - B. THE NATIONAL ELECTRIC CODE – NFPA-70
 - C. REGULATIONS OF THE SERVING UTILITY COMPANY
 - D. LOCAL AND STATE AMENDMENTS
 - E. THE INTERNATIONAL ELECTRIC CODE – IEC (WHERE APPLICABLE)
2. PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR.
3. AFTER COMPLETION AND FINAL INSPECTION OF THE WORK, THE OWNER SHALL BE FURNISHED A CERTIFICATE OF COMPLETION AND APPROVAL.

TESTING:

1. UPON COMPLETION OF THE INSTALLATION, OPERATE AND ADJUST THE EQUIPMENT AND SYSTEMS TO MEET SPECIFIED PERFORMANCE REQUIREMENTS. THE TESTING SHALL BE DONE BY QUALIFIED PERSONNEL.

GUARANTEE:

1. IN ADDITION TO THE GUARANTEE OF THE EQUIPMENT BY THE MANUFACTURER, EACH PIECE OF EQUIPMENT SPECIFIED HEREIN SHALL ALSO BE GUARANTEED FOR DEFECTS OF MATERIAL OR WORKMANSHIP OCCURRING DURING A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND WITHOUT EXPENSE TO THE OWNER.
2. THE WARRANTEE CERTIFICATES & GUARANTEES FURNISHED BY THE MANUFACTURERS SHALL BE TURNED OVER TO THE OWNER.

UTILITY CO-ORDINATION:

1. CONTRACTOR SHALL COORDINATE WORK WITH THE POWER AND TELEPHONE COMPANIES AND SHALL COMPLY WITH THE SERVICE REQUIREMENTS OF EACH UTILITY COMPANY.

EXAMINATION OF SITE:

1. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE JOB AND SHALL FAMILIARIZE HIMSELF WITH THE CONDITIONS AFFECTING THE PROPOSED ELECTRICAL INSTALLATION AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. FAILURE TO COMPLY WITH THE INTENT OF THIS SECTION WILL IN NO WAY RELIEVE THE CONTRACTOR OF PERFORMING THE WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM OR SYSTEMS.

CUTTING, PATCHING AND EXCAVATION:

1. COORDINATION OF SLEEVES, CHASES, ETC., BETWEEN SUBCONTRACTORS WILL BE REQUIRED PRIOR TO THE CONSTRUCTION OF ANY PORTION OF THE WORK. CUTTING AND PATCHING OF WALLS, PARTITIONS, FLOORS, AND CHASES IN CONCRETE, WOOD, STEEL OR MASONRY SHALL BE DONE AS PROVIDED ON THE DRAWINGS.
2. NECESSARY EXCAVATIONS AND BACKFILLING INCIDENTAL TO THE ELECTRICAL WORK SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWING.
3. SEAL PENETRATIONS THROUGH RATED WALLS, FLOORS, ETC., WITH APPROVED METHOD AS LISTED BY UL.

RACEWAYS / CONDUITS GENERAL:

1. CONDUCTORS SHALL BE INSTALLED IN LISTED RACEWAYS. CONDUIT SHALL BE RIGID STEEL, EMT, SCH40 PVC, OR SCH80PVC AS INDICATED ON THE DRAWINGS. THE RACEWAY SYSTEM SHALL BE COMPLETE BEFORE INSTALLING CONDUCTORS.
2. EXTERIOR RACEWAYS AND GROUNDING SLEEVES SHALL BE SEALED AT POINTS OF ENTRANCE AND EXIT. THE RACEWAY SYSTEM SHALL BE BONDED PER NEC.

EXTERIOR CONDUIT:

1. EXPOSED CONDUIT SHALL BE NEATLY INSTALLED AND RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS. SUPPORTS AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL.
2. WHERE INSTALLED ON EXTERIOR STRUCTURES OR EXPOSED TO DAMAGE, THE CONDUIT SHALL BE RIGID STEEL.
3. UNDERGROUND CONDUITS SHALL BE RIGID STEEL, SCH40 PVC, OR SCH80 PVC AS INDICATED ON THE DRAWINGS.
4. BURIAL DEPTH OF CONDUITS SHALL BE AS REQUIRED BY CODE FOR EACH SPECIFIC CONDUIT TYPE AND APPLICATION, BUT SHALL NOT BE LESS THAN THE FROST DEPTH AT THE SITE.
5. CONDUIT ROUTES ARE SCHEMATIC. CONTRACTOR SHALL FIELD VERIFY ROUTES BEFORE BID. COORDINATE ROUTE WITH WIRELESS CARRIER AND/OR BUILDING OWNER.

INTERIOR CONDUIT:

1. CONCEALED CONDUIT IN WALLS OR INTERIOR SPACES ABOVE GRADE MAY BE EMT.
2. CONDUIT RUNS SHALL USE APPROVED COUPLINGS AND CONNECTORS. PROVIDE INSULATED BUSHING FOR ALL CONDUIT TERMINATIONS. CONDUIT RUNS IN A WET LOCATION SHALL HAVE WATERPROOF FITTINGS.
3. PROVIDE SUPPORTS FOR CONDUITS IN ACCORDANCE WITH NEC REQUIREMENTS. CONDUITS SHALL BE SIZED AS REQUIRED BY NEC.

EQUIPMENT:

1. DISCONNECT SWITCHES SHALL BE SERVICE ENTRANCE RATED, HEAVY DUTY TYPE.
2. CONTRACTOR SHALL VERIFY MAXIMUM AVAILABLE FAULT CURRENT AND COORDINATE INSTALLATION WITH THE LOCAL UTILITY BEFORE STARTING WORK. CONTRACTOR WILL VERIFY THAT EXISTING CIRCUIT BREAKERS ARE RATED FOR MORE THAN AVAILABLE FAULT CURRENT AND REPLACE AS NECESSARY.
3. NEW CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AS DETERMINED BY THE LOCAL UTILITY.

CONDUCTORS:

1. FURNISH AND INSTALL CONDUCTORS SPECIFIED IN THE DRAWINGS. CONDUCTORS SHALL BE COPPER AND SHALL HAVE TYPE THWN (MIN) (75° C) INSULATION, RATED FOR 600 VOLTS.
2. THE USE OF ALUMINUM CONDUCTORS SHALL BE LIMITED TO THE SERVICE FEEDERS INSTALLED BY THE UTILITY.
3. CONDUCTORS SHALL BE PROVIDED AND INSTALLED AS FOLLOWS:
 - A. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 - B. CONDUCTORS SIZE #8 AND LARGER SHALL BE STRANDED. CONDUCTORS SIZED #10 AND #12 MAY BE SOLID OR STRANDED.
 - C. CONNECTION FOR #10 AWG #12 AWG SHALL BE BY TWISTING TIGHT AND INSTALLING INSULATED PRESSURE OR WIRE NUT CONNECTIONS.
 - D. CONNECTION FOR #8 AWG AND LARGER SHALL BE BY USE OF STEEL CRIMP-ON SLEEVES WITH NYLON INSULATOR.
3. CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC STANDARDS.

UL COMPLIANCE:





1. ELECTRICAL MATERIALS, DEVICES, CONDUCTORS, APPLIANCES, AND EQUIPMENT SHALL BE LABELED/LISTED BY UL OR ACCEPTED BY JURISDICTION (I.E., LOCAL COUNTY OR STATE) APPROVED THIRD PARTY TESTING AGENCY.

GROUNDING:

1. ELECTRICAL NEUTRALS, RACEWAYS AND NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT AND ASSOCIATED ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC ARTICLE 250. THIS SHALL INCLUDE NEUTRAL CONDUCTORS, CONDUITS, SUPPORTS, CABINETS, BOXES, GROUND BUSSES, ETC. THE NEUTRAL CONDUCTOR FOR EACH SYSTEM SHALL BE GROUNDED AT A SINGLE POINT.
2. PROVIDE GROUND CONDUCTOR IN RACEWAYS PER NEC.
3. PROVIDE BONDING AND GROUND TO MEET NFPA 780 – "LIGHTNING PROTECTION" AS A MINIMUM.
4. PROVIDE GROUNDING SYSTEM AS INDICATED ON THE DRAWINGS, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, RADIO EQUIPMENT MANUFACTURERS, AND MOTOROLA R56 (AS APPLICABLE).

ABBREVIATIONS AND LEGEND

| | | | |
|------|---------------------------------|-------|----------------------------------|
| A | – AMPERE | PNLBD | – PANELBOARD |
| AFG | – ABOVE FINISHED GRADE | PVC | – RIGID NON-METALLIC CONDUIT |
| ATS | – AUTOMATIC TRANSFER SWITCH | RGS | – RIGID GALVANIZED STEEL CONDUIT |
| AWG | – AMERICAN WIRE GAUGE | SW | – SWITCH |
| BCW | – BARE COPPER WIRE | TGB | – TOWER GROUND BAR |
| BFG | – BELOW FINISHED GRADE | UL | – UNDERWRITERS LABORATORIES |
| BKR | – BREAKER | V | – VOLTAGE |
| C | – CONDUIT | W | – WATTS |
| CKT | – CIRCUIT | XFMR | – TRANSFORMER |
| DISC | – DISCONNECT | XMTR | – TRANSMITTER |
| EGR | – EXTERNAL GROUND RING | | |
| EMT | – ELECTRIC METALLIC TUBING | | |
| FSC | – FLEXIBLE STEEL CONDUIT | | |
| GEN | – GENERATOR | | |
| GPS | – GLOBAL POSITIONING SYSTEM | | |
| GRD | – GROUND | | |
| IGB | – ISOLATED GROUND BAR | | |
| IGR | – INTERIOR GROUND RING (HALO) | | |
| KW | – KILOWATTS | | |
| NEC | – NATIONAL ELECTRIC CODE | | |
| PCS | – PERSONAL COMMUNICATION SYSTEM | | |
| PH | – PHASE | | |
| PNL | – PANEL | | |

| | | | |
|-------|---|------|--|
| ---- | E | ---- | UNDERGROUND ELECTRICAL CONDUIT |
| ---- | T | ---- | UNDERGROUND TELEPHONE CONDUIT |
| |  | | KILOWATT-HOUR METER |
| ----- | | | UNDERGROUND BONDING AND GROUNDING CONDUCTOR. |
| |  | | GROUND ROD |
| |  | | CADWELD |
| |  | | GROUND ROD WITH INSPECTION WELL |

PROJECT INFORMATION:

NOME

OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:



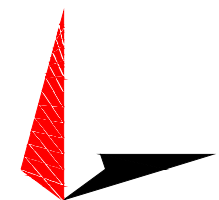
Office: (888) 609-9596

PLANS PREPARED FOR:



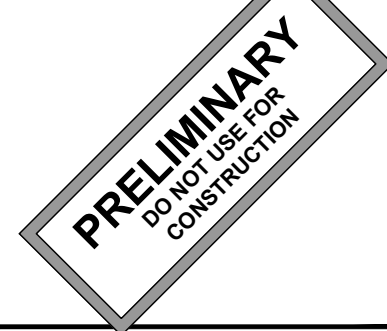
3002 BLUFF ST, SUITE 300
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PLANS PREPARED BY:



4700 DAHLIA STREET
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www.tepgroup.net

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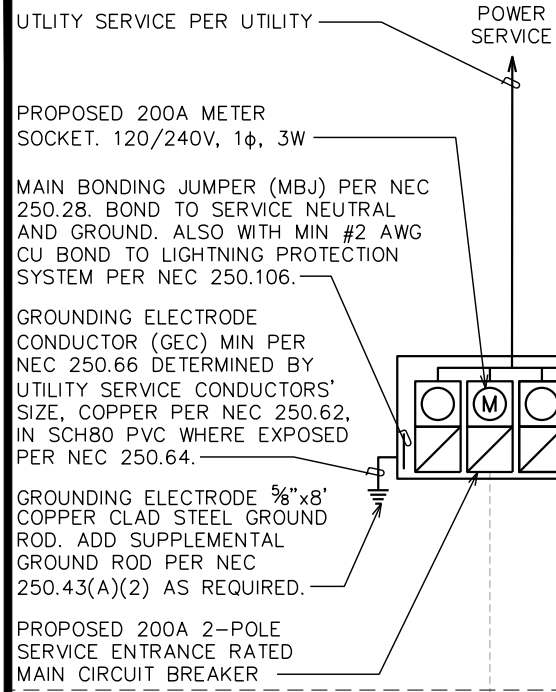
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| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:

ELECTRICAL NOTES

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| SHEET NUMBER: | REVISION: |
| E-1 | 0 |
| | TEP#: 336656.XXXXXX |



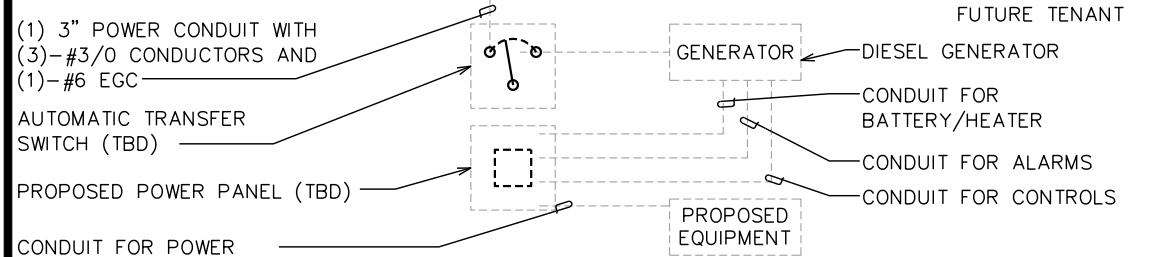
ONE LINE DIAGRAM NOTES:

1. ELECTRICAL SERVICE SHALL BE 800A, 120/240V, 1φ, 3W.
2. 4 GANG METER BASE CABINET FOR 200A EA. 120/240V, 1φ SERVICE WITH SERVICE ENTRANCE RATED, CIRCUIT BREAKER TYPE DISCONNECT SWITCH. UTILITY COMPANY TO PROVIDE METER.
3. FUTURE EQUIPMENT SHOWN FOR REFERENCE ONLY.
4. GEC IS SIZED FOR A SINGLE SERVICE ONLY AND IF MULTIPLE SERVICES SHARE A COMMON N-G BOND, THE CONTRACTOR WILL INSTALL ONE 3/0 CU MBJ AND GEC INSTEAD.

NEMA 3R 120/240V 1PH 3W 800A RATED BUS 4-GANG METER BASE PER UTILITY REQUIREMENTS WITH (4) 200A 240V 1φ 3W METER SOCKETS EACH WITH 200A 2-POLE SERVICE ENTRANCE RATED MAIN CIRCUIT BREAKER SPACES.

NOTES:

1. ALL TELCO CONDUITS ARE TO BE STUBBED IN D-MARC LOCATION.
2. ALL POWER CONDUITS ARE TO BE TERMINATED AT THE METER CENTER.
3. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO TRENCHING. ANY DAMAGE CAUSED TO THE EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. ALL CONDUITS SHALL BE INSTALLED PRIOR TO FINISH GRADING, GEOFABRIC, AND STONE INSTALLATION.
5. CONTRACTOR SHALL INSTALL SWEEPS AT ALL CONDUIT DIRECTION CHANGES.



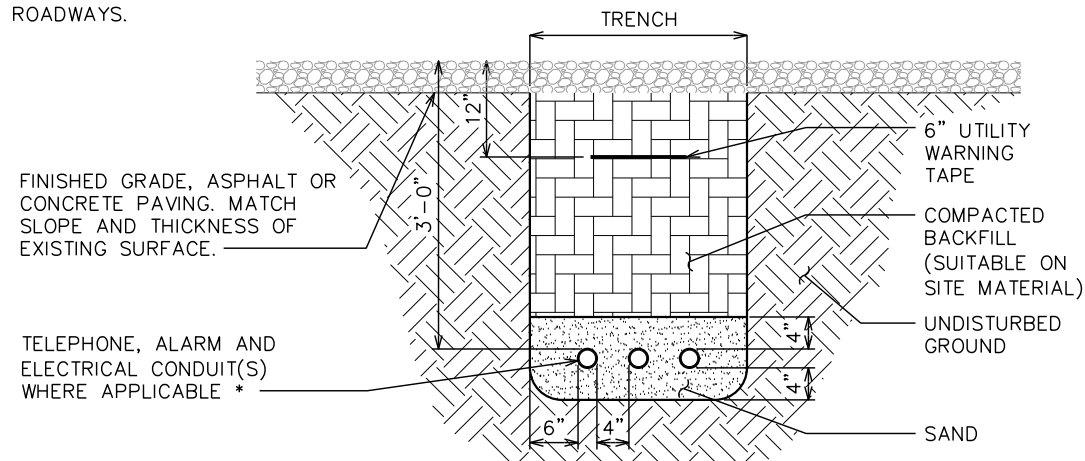
ONE-LINE DETAIL

SCALE: N.T.S.

NOTES:

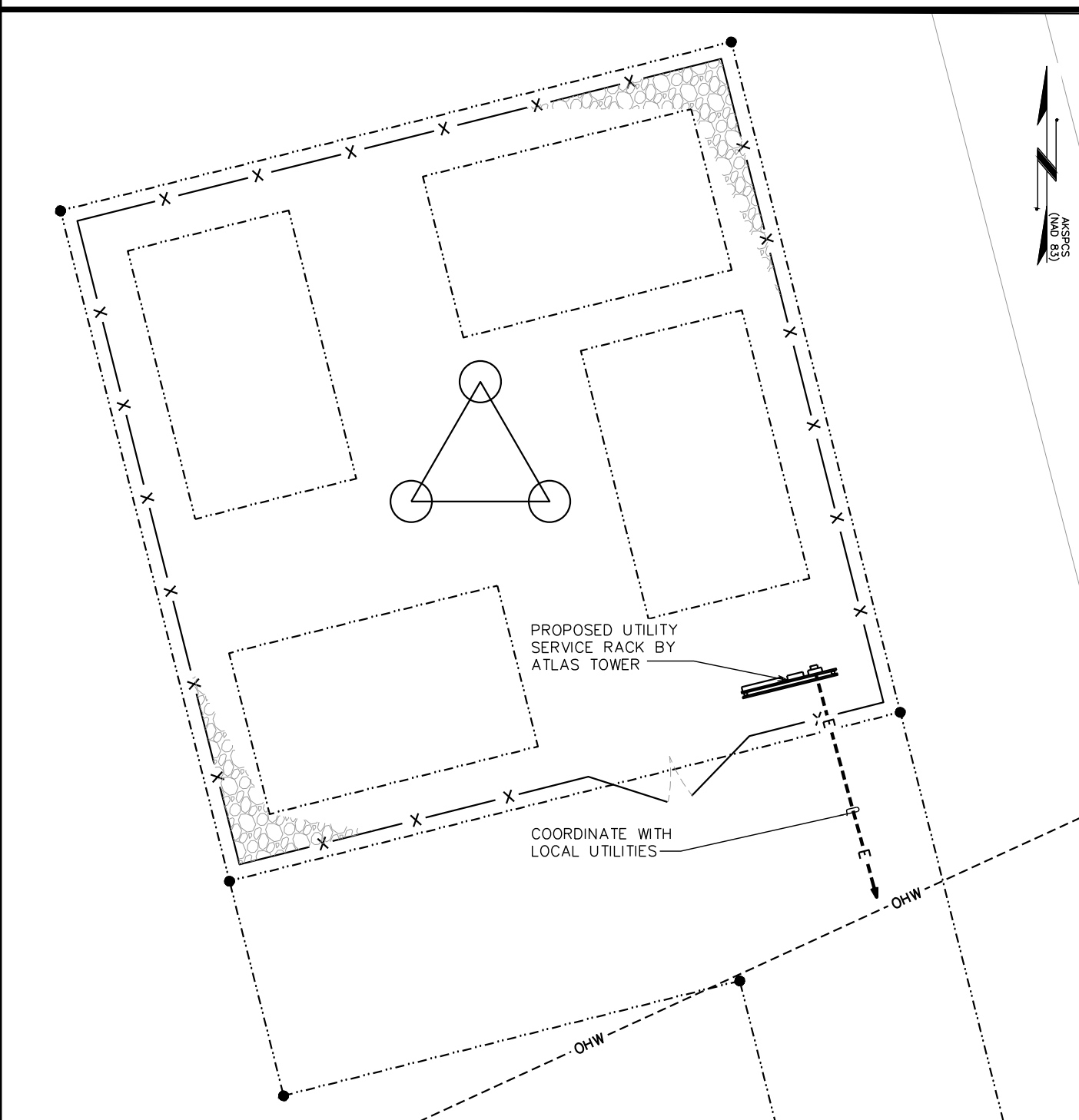
1. ACTUAL SEPARATION OF CONDUITS TO BE DETERMINED BY SITE SPECIFIC REQUIREMENTS.
2. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
3. PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLES, EQUIPMENT, ETC.)
4. PROVIDE RGS CONDUIT FOR INSTALLATIONS BELOW PARKING LOTS AND ROADWAYS.

* SEPARATION DIMENSIONS TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.



UNDERGROUND CONDUIT(S) TRENCH DETAIL

SCALE: N.T.S.



POWER PLAN

SCALE: 3/32" = 1'-0"



PROJECT INFORMATION:
NOME
OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:
WiBlue Inc.
Office: (888) 609-9596

PLANS PREPARED FOR:
ATLAS TOWER
USA - INTERNATIONAL
3002 BLUFF ST, SUITE 300
BOULDER, CO 80301
Office: (303) 448-8896

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
4700 DAHLIA STREET
DENVER, CO 80216
OFFICE: (303) 566-9914
www.tepgroup.net

SEAL:
PRELIMINARY
DO NOT USE FOR CONSTRUCTION

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SHEET TITLE:
POWER PLAN AND ONE-LINE DIAGRAM

SHEET NUMBER:
E-2

REVISION:
0

TEP#: 336656.XXXXXX

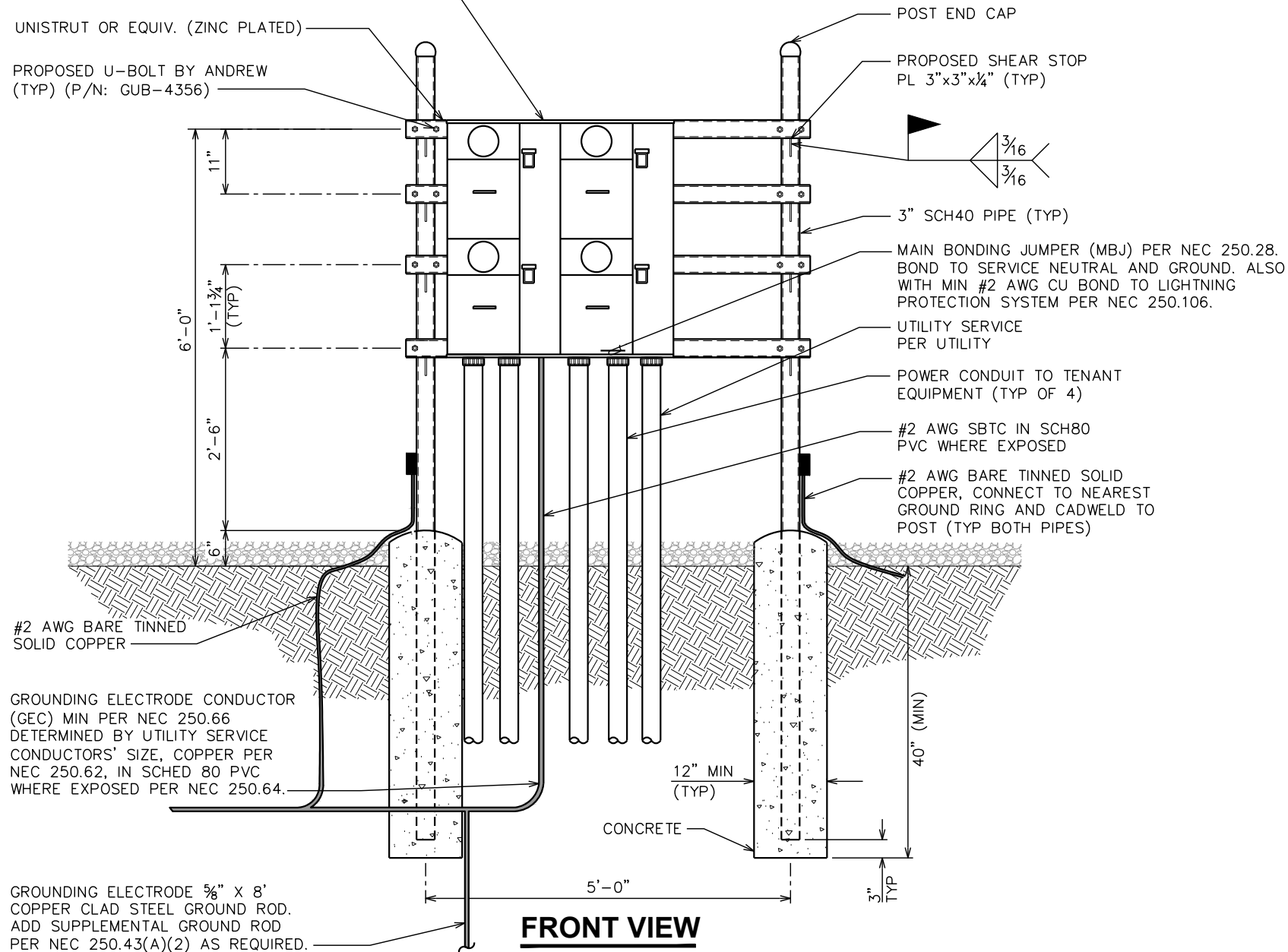
NOTES:

- ① REFER TO THE SITE LAYOUT PLAN FOR THE EXACT LOCATION OF THE H-FRAME.
- ② CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR METER.
- ③ UTILITY COMPANY TO PROVIDE AND INSTALL METER SOCKET.
- ④ CONTRACTOR TO ENSURE METER RACK WORKING SPACES REQUIRED BY THE NEC (ART. 110.26), STATE, OR LOCAL CODES ARE MAINTAINED BOTH ON THE FRONT SIDE AND THE BACK SIDE OF THE H-FRAME PRIOR TO INSTALLATION.
- ⑤ SHOW LOCATION (INCLUDING DIMENSIONS) OF ALL CAPPED UNDERGROUND CONDUIT ON FINAL AS-BUILT DRAWINGS SUBMITTED TO OWNER.
- ⑥ COORDINATE EXACT LOCATION OF UNDERGROUND FEEDERS AND CIRCUITRY WITH THE OWNER.
- ⑦ CONTRACTOR SHALL COORDINATE EFFORTS WITH (LOCAL, ELECTRICAL) AUTHORITY HAVING JURISDICTION (AHJ) AND OTHER TRADES TO DETERMINE "FROST" LINE, AND TYPE(S) OF RACEWAYS REQUIRED FOR INSTALLATION.
- ⑧ BOND ALL ELECTRICAL EQUIPMENT TO RACK.
- ⑨ DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ALTERED IN THE FIELD AS APPROVED BY OWNER TO BETTER SUIT ACTUAL CONDITIONS OR EQUIPMENT RECEIVED.

NEMA 3R 120/240V 1 ϕ 3W, 600A RATED BUS 3-GANG METER BASE PER UTILITY REQUIREMENTS WITH (4)-200A 240V 1 ϕ 3W METER SOCKETS EACH WITH A 200A 2-POLE SERVICE ENTRANCE RATED MAIN CIRCUIT BREAKER SPACES.

UNISTRUT OR EQUIV. (ZINC PLATED)

PROPOSED U-BOLT BY ANDREW (TYP) (P/N: GUB-4356)



FRONT VIEW

SERVICE RACK DETAILS

SCALE: 1/2" = 1'-0"

PROJECT INFORMATION:

NOME

OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:



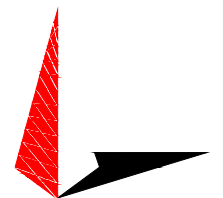
Office: (888) 609-9596

PLANS PREPARED FOR:



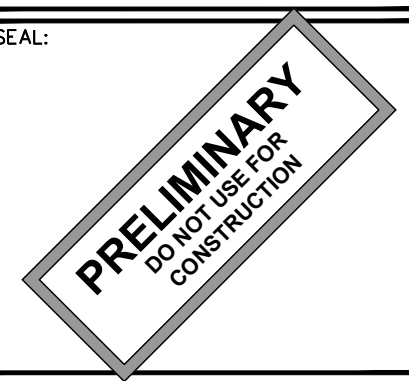
3002 BLUFF ST, SUITE 300
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PLANS PREPARED BY:



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SEAL:

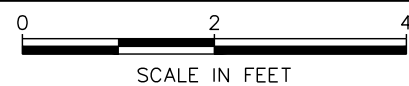


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| REV | DATE | ISSUED FOR: |

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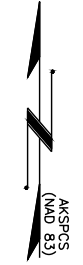
SHEET TITLE:
SERVICE RACK DETAILS

SHEET NUMBER: **E-3** REVISION: **0**
TEP#: 336656.XXXXXX



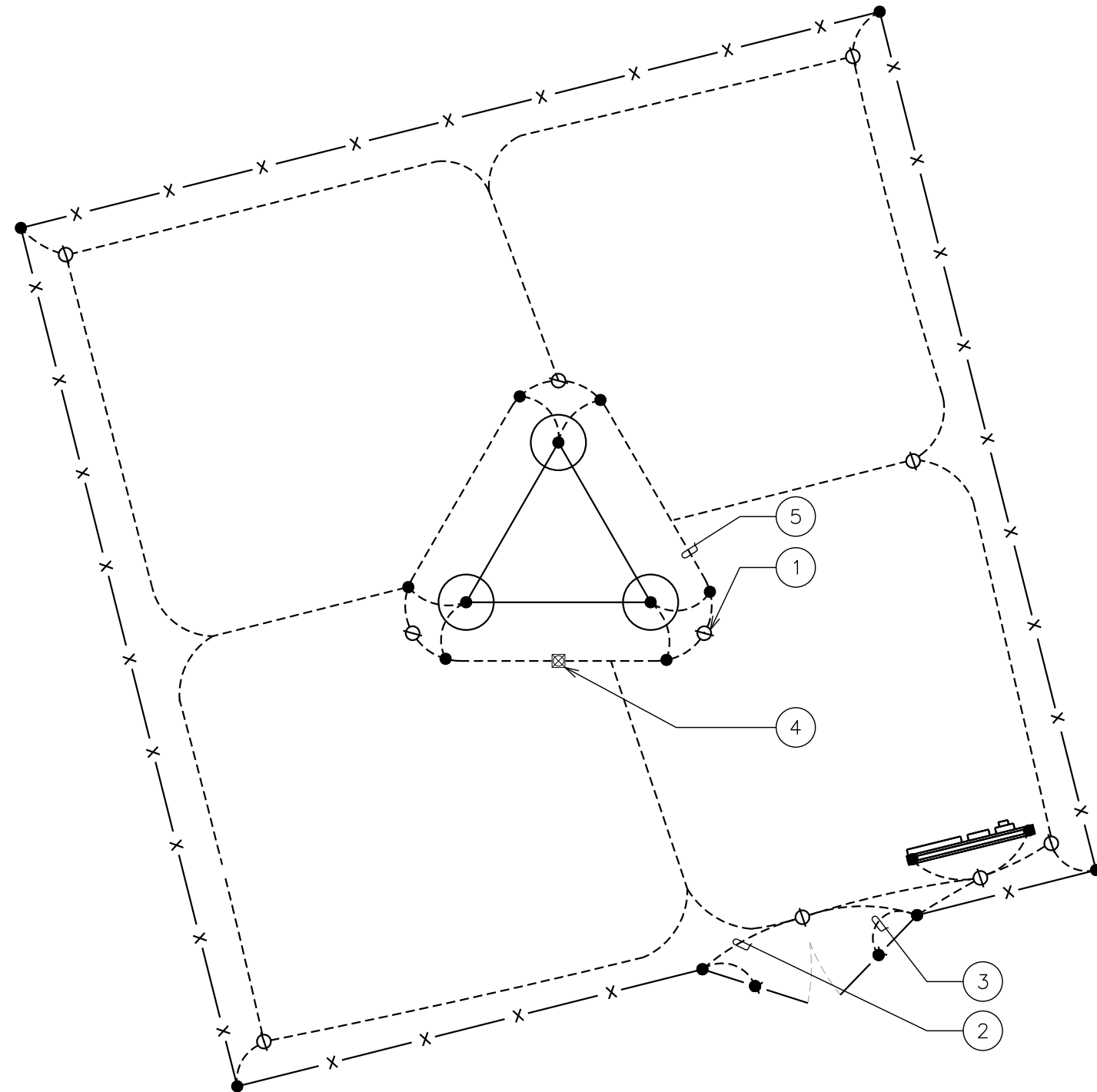
DRAWING NOTES:

- ① 5/8"Øx10' COPPER GROUND ROD (TYP)
- ② GATE POST BONDING. SEE SHEET E-4 FOR DETAILS
- ③ FENCE GATE GROUNDING. SEE DETAIL ON SHEET E-4.
- ④ PROPOSED INSPECTION WELL. SEE DETAIL ON SHEET E-5.
- ⑤ PROPOSED TOWER GROUND RING. #2 COPPER CONDUCTOR-BARE TINNED BURIED 50" BFG BY ATLAS TOWER 1, LLC.



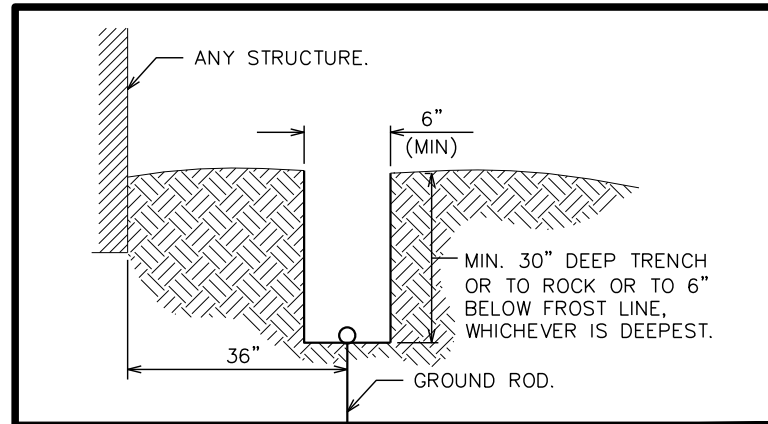
GROUNDING NOTES

- 1. ALL IN-GROUND RINGS, RADIALS, AND BONDING CONDUCTORS SHALL BE #2 AWG SOLID BARE TINNED COPPER (SBTC) ALL AT SAME 30" DEPTH OR 6" BELOW FROST LINE, WHICHEVER IS GREATER. ALL BENDS SHALL BE MINIMUM 12" RADIUS AND 90-DEGREES OR LESS.
- 2. BONDING OF THE GROUNDED CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THE SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250.30.



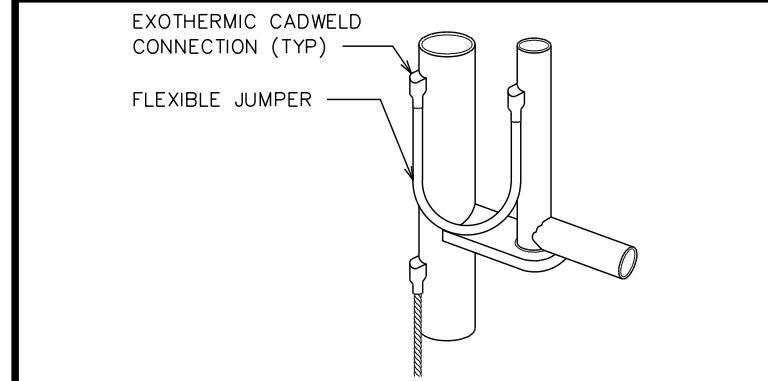
TYPICAL GROUNDING PLAN

SCALE: 1/8" = 1'-0"



TRENCH DETAIL

SCALE: N.T.S.



GROUNDING AT GATE POST

SCALE: N.T.S.

PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 4700 DAHLIA STREET
 DENVER, CO 80216
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:

| | | |
|-----|----------|-------------|
| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:
GROUNDING PLAN AND DETAILS

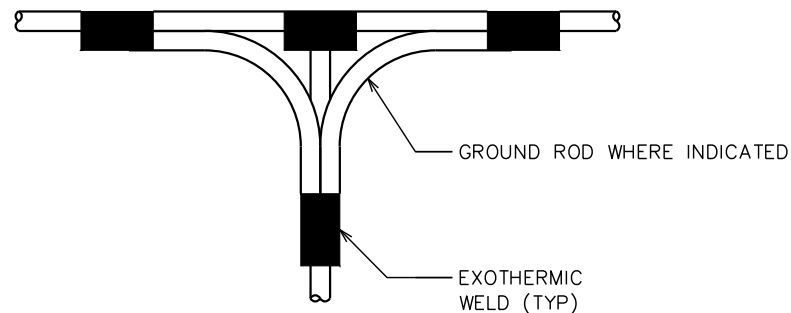
SHEET NUMBER:
E-4

REVISION:
0

TEP#: 336656.XXXXXX

NOTE:

MINIMUM SPACING OF 12"
BETWEEN ALL EXOTHERMIC WELDS



TOP VIEW

PROJECT INFORMATION:

NOME

OLD CENTER CREEK RD
NOME, AK 99762
(NOME CENSUS AREA)

PLANS PREPARED FOR:



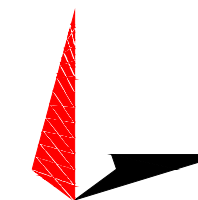
Office: (888) 609-9596

PLANS PREPARED FOR:



USA • INTERNATIONAL
3002 BLUFF ST, SUITE 300
BOULDER, CO 80301
Office: (303) 448-8896

PLANS PREPARED BY:

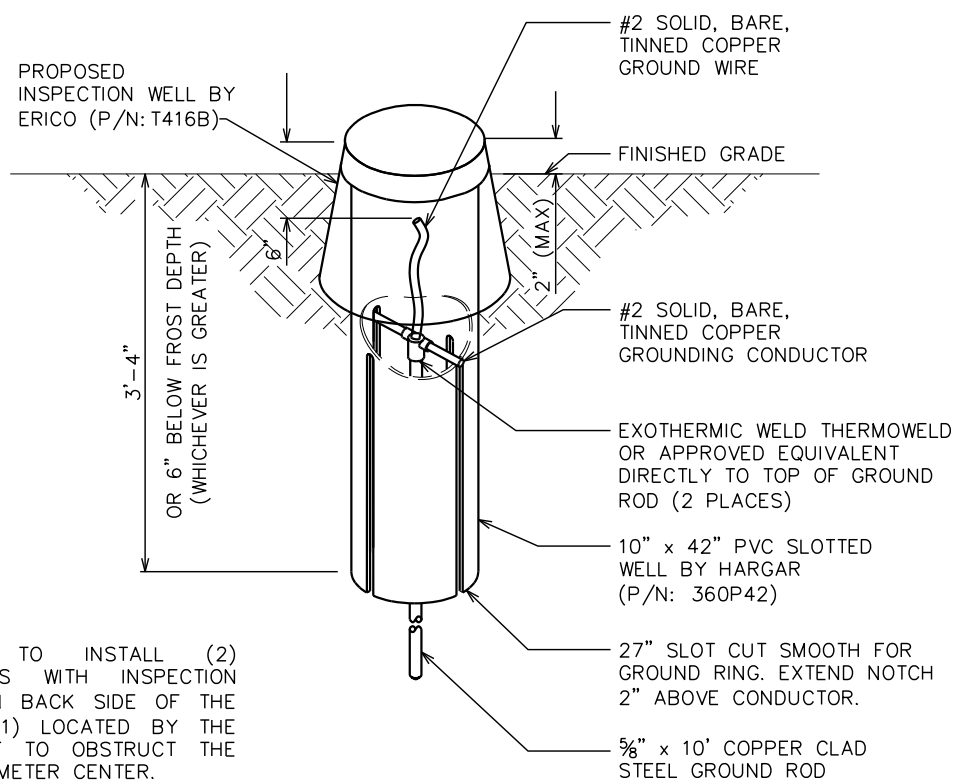


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DENVER, CO 80216
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www.tepgroup.net

CADWELD GROUNDING DETAIL

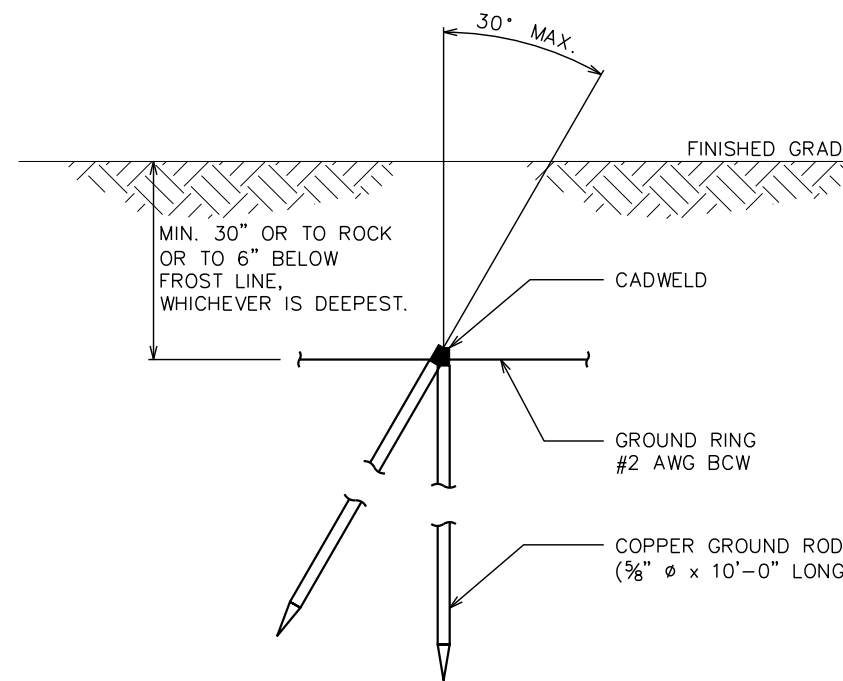
SCALE: N.T.S.

NOT USED



NOTE:

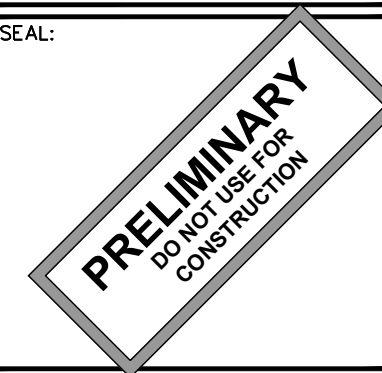
CONTRACTOR TO INSTALL (2) GROUND RODS WITH INSPECTION WELLS. (1) ON BACK SIDE OF THE TOWER AND (1) LOCATED BY THE H-FRAME NOT TO OBSTRUCT THE PATH TO THE METER CENTER.



COPPER-CLAD STEEL GROUND ROD

SCALE: N.T.S.

SEAL:



| | | |
|-----|----------|-------------|
| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER: **E-5** REVISION: **0**
TEP#: 336656.XXXXXX

INSPECTION WELL DETAIL

SCALE: N.T.S.

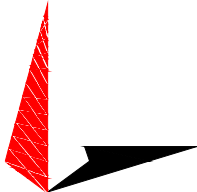
PROJECT INFORMATION:
NOME
 OLD CENTER CREEK RD
 NOME, AK 99762
 (NOME CENSUS AREA)

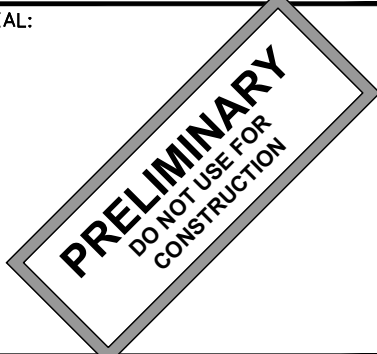
PLANS PREPARED FOR:

 Office: (888) 609-9596

PLANS PREPARED FOR:

 USA • INTERNATIONAL
 3002 BLUFF ST, SUITE 300
 BOULDER, CO 80301
 Office: (303) 448-8896

PLANS PREPARED BY:

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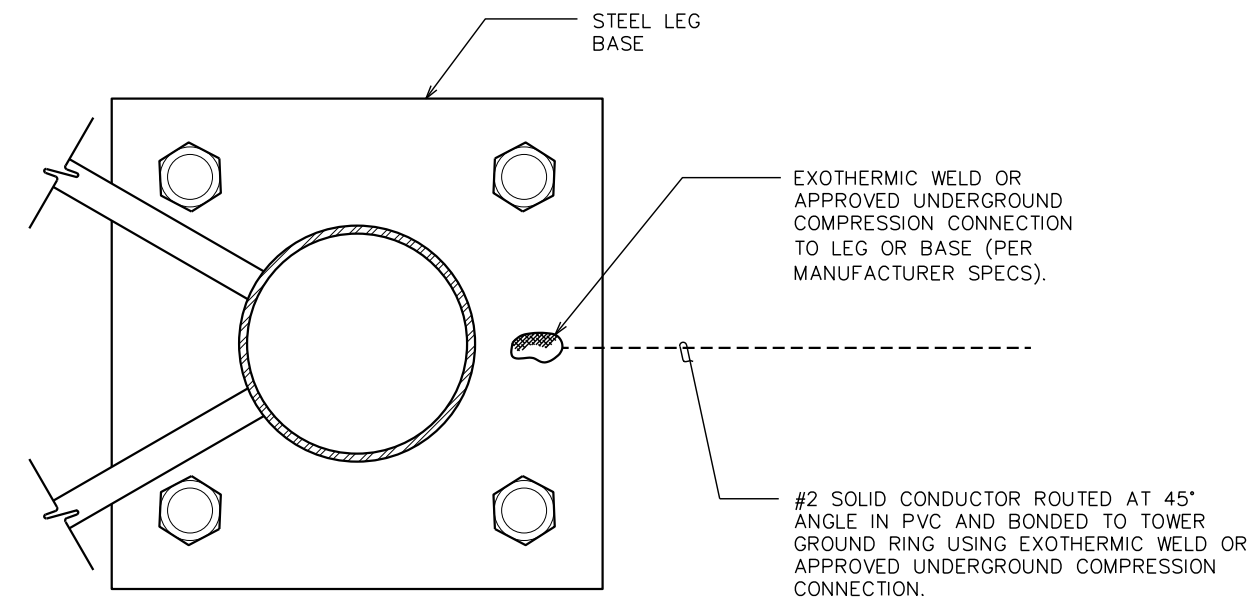
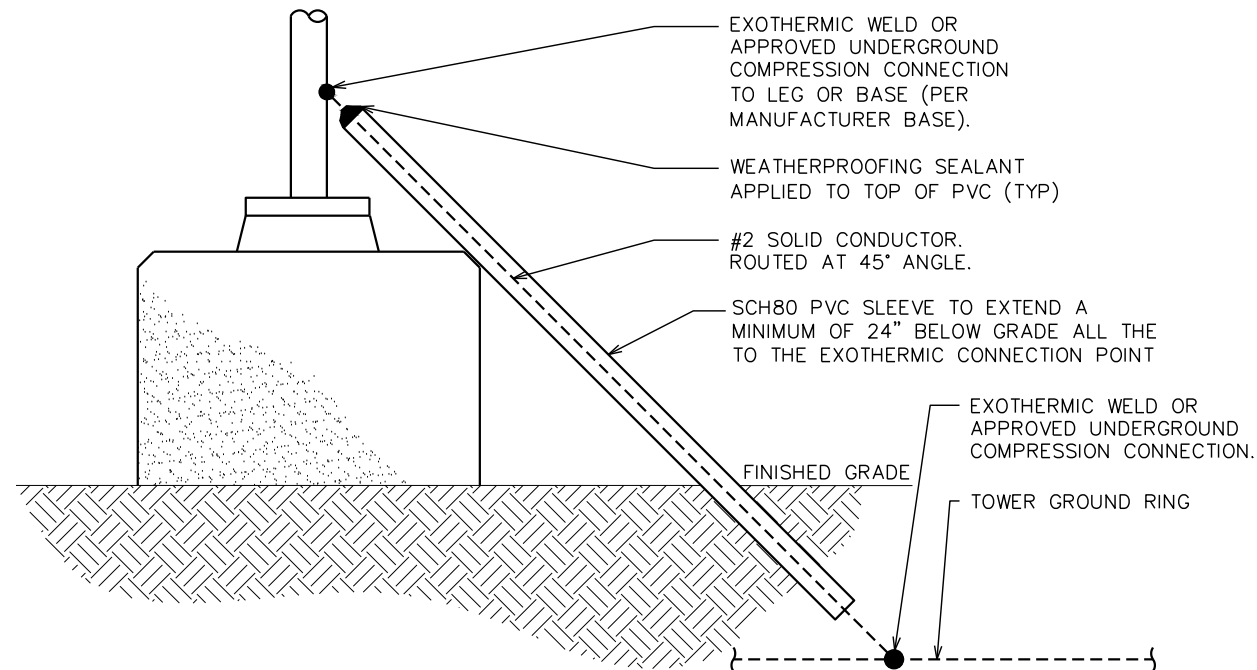
SEAL:


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| | | |
| 0 | 02-26-24 | PRELIMINARY |
| REV | DATE | ISSUED FOR: |

DRAWN BY: SIT CHECKED BY: KES

SHEET TITLE:
**TOWER FOUNDATION
 GROUNDING DETAILS**

SHEET NUMBER: **E-6** REVISION: **0**
 TEP#: 336656.XXXXXX



TYPICAL TOWER BASE GROUNDING DETAIL

SCALE: N.T.S.

TYPICAL TOWER GROUNDING

SCALE: N.T.S.