

PROJECT INFORMATION	
SCOPE OF WORK:	PHOENIX PARTNERSHIP IS PROPOSING TO INSTALL THE FOLLOWING IMPROVEMENTS: PROPOSED FOUNDATION FOR NEW TOWN, T-MOBILE EQUIPMENT AND VERIZON WIRELESS PROPOSED MONOPOLE TOWER PROPOSED FENCED COMPOUND PROPOSED TOWN ANTENNAS ON TOWER & EQUIPMENT SHELTER ON GROUND PROPOSED T-MOBILE ANTENNAS ON TOWER & EQUIPMENT ON GROUND PROPOSED VERIZON WIRELESS ANTENNAS ON TOWER & EQUIPMENT SHELTER ON GROUND
SITE ADDRESS:	158 EDISON ROAD TRUMBULL, CT 06611
LATITUDE:	41.234353° N
LONGITUDE:	73.218761° W
TOWER OWNER:	PHOENIX PARTNERSHIP 110 WASHINGTON AVENUE NORTH HAVEN, CT 06473
TYPE OF SITE:	RAW LAND WITH TOWN, T-MOBILE AND VERIZON WIRELESS ANTENNAS
TOWER HEIGHT:	130'-0"±
T-MOBILE ANTENNA CENTERLINE HEIGHT:	120'-0"±
VERIZON ANTENNA CENTERLINE HEIGHT:	110'-0"±
CURRENT USE:	POLICE DEPARTMENT
PROPOSED USE:	TELECOMMUNICATIONS FACILITY

Phoenix Partnership

SITE NAME: CT5051
SITE NAME: POLICE STATION
EDISON ROAD

DEVELOPMENT & MANAGEMENT PLAN
DOCKET 421

PROJECT TEAM	
COMPANY:	PHOENIX PARTNERSHIP 110 WASHINGTON AVENUE NORTH HAVEN, CT 06473
CITY, STATE, ZIP:	NORTH HAVEN, CT 06473
CONTACT:	KEITH COPPINS
PHONE:	(203) 623-3287
ENGINEERING	
COMPANY:	HUDSON DESIGN GROUP, LLC. ADDRESS: 1600 OSGOOD STREET BUILDING 20 NORTH, SUITE 3090 NORTH ANDOVER, MA 01845
CITY, STATE, ZIP:	NORTH ANDOVER, MA 01845
CONTACT:	DANIEL P. HAMM, PE
PHONE:	(978) 557-5553 X222
E-MAIL:	daniel.hamm@hudsondesigngroupllc.com

Phoenix Partnership

PHOENIX PARTNERSHIP
110 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

Hudson Design Group

1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845

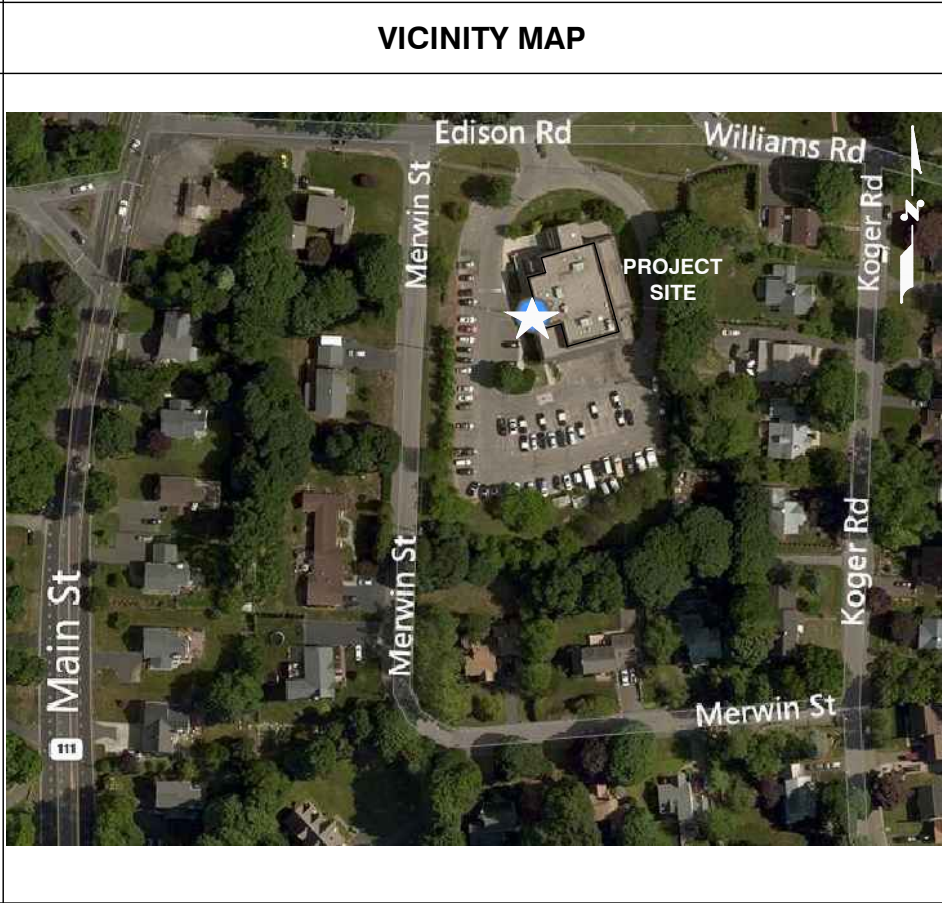
TEL: (978) 557-5553
FAX: (978) 336-5586

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

Daniel P. Hamm

LICENSED ENGINEER DATE

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GENERAL NOTES	
1.	THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF PHOENIX PARTNERSHIP. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2.	THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3.	CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PHOENIX PARTNERSHIP REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL BEFORE YOU DIG
WWW.CBYD.COM

1-800-922-4455 OR DIAL 811

REVISIONS		
REV. #	DATE	DESCRIPTION
3	05/28/15	REVISED PER COMMENTS
2	04/28/15	ISSUED FOR REVIEW
1	03/16/15	ISSUED FOR REVIEW
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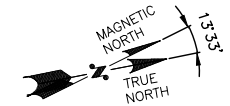
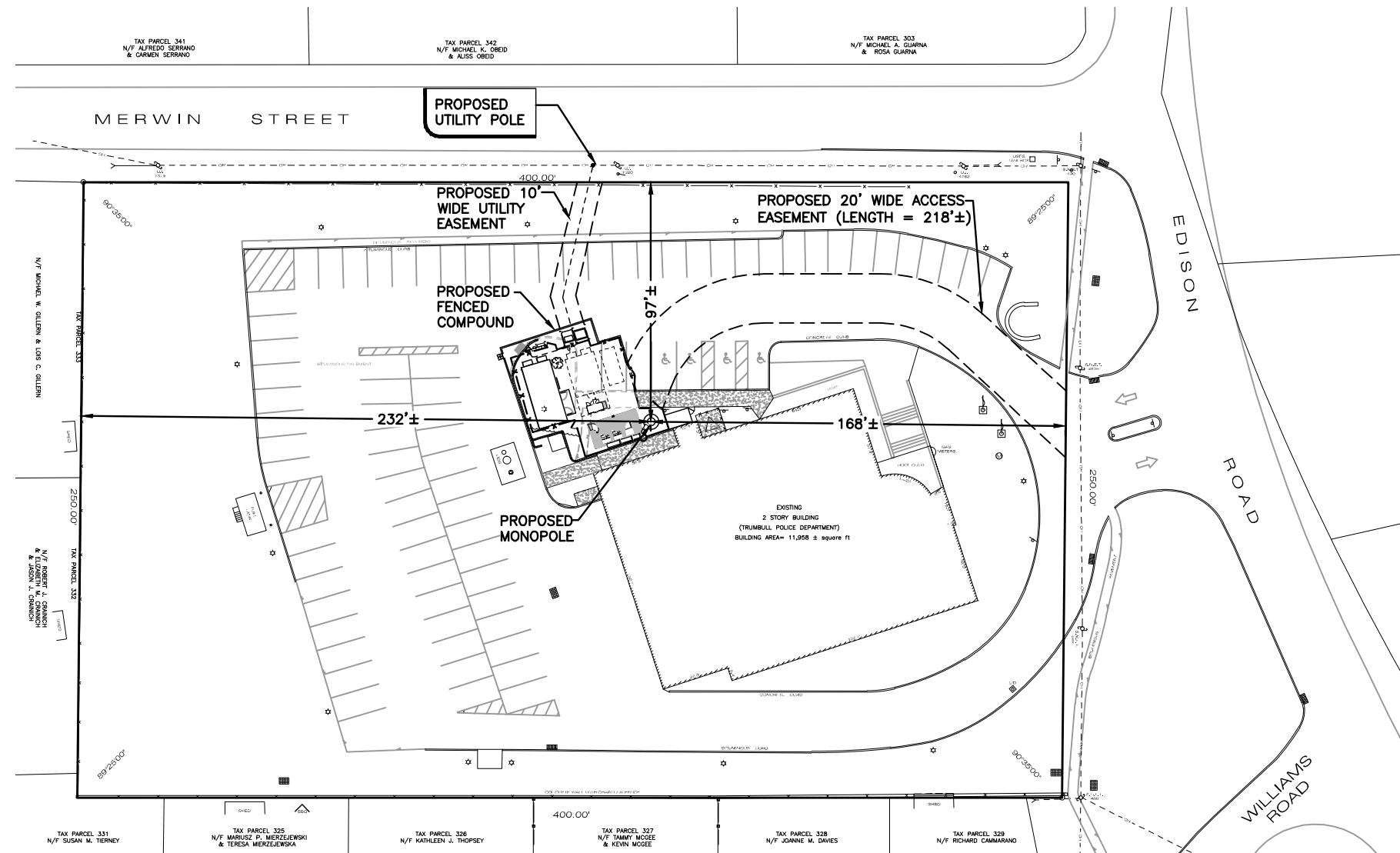
PROJECT NO. CT5051	DESIGNED BY: DR	SCALE: AS SHOWN
	DRAWN BY: SZB	
	CHECKED BY: DPH	

SITE NAME:
**CT5051
POLICE STATION
EDISON ROAD**

SITE ADDRESS:
158 EDISON ROAD
TRUMBULL, CT 06611

SHEET TITLE:
TITLE SHEET

SHEET NO:
T-1



1
C-1 **SITE PLAN**
SCALE: 1" = 30'-0"

GENERAL NOTES:

- CENTER OF TOWER: CENTER OF PROPOSED MONOPOLE
LATITUDE: N 41° 14' 03.67"
LONGITUDE: W 73° 13' 07.54"
- PROPERTY OWNER: TOWN OF TRUMBULL CT
5866 MAIN STREET
TRUMBULL, CT 06611
- SITE NUMBER: CT5051
- SITE ADDRESS: 158 EDISON ROAD
TRUMBULL, CT 06611
- APPLICANT: PHOENIX PARTNERSHIP
110 WASHINGTON AVENUE
NORTH HAVEN, CT 06473
- TAX MAP: E 10, LOT 304
- DEED REFERENCE: VOL. 29 PG. 587
- PLAN REFERENCE: MAP 121
- ZONING: RESIDENCE ZONE A
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY:
DIG SAFE SYSTEM. CALL BEFORE YOU DIG
(CT): 1-800-922-4455
- BEARING SYSTEM OF THIS PLAN IS BASED ON TRUE NORTH. TRUE NORTH WAS ESTABLISHED FROM EXISTING PLAN REFERENCE. IT IS NOT INTENDED TO BE AN EXACT REPRESENTATION OF TRUE NORTH.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE MAJOR IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN ZONE X

**PLAN SOURCE: ABUTTERS PLAN AND SITE PLAN
BY ALL-POINTS TECHNOLOGY P.C.
DATED 11/25/09**

LEGEND

- PROPERTY LINE-SUBJECT PARCEL
- PROPERTY LINE-ABUTTERS
- 23 - CONTOURS
- 65 - CONTOURS
- [Symbol] DRAINAGE INLET / STRUCTURE
- [Symbol] CATCH BASIN
- [Symbol] SIGN
- [Symbol] LIGHT POLE
- [Symbol] UTILITY POLE
- UG ---UG--- NEW UNDERGROUND UTILITIES (BY OTHERS)

EARTHWORK

APPROXIMATE COLUMN OF CUT WITHIN COMPOUND: 3.8 CU YD

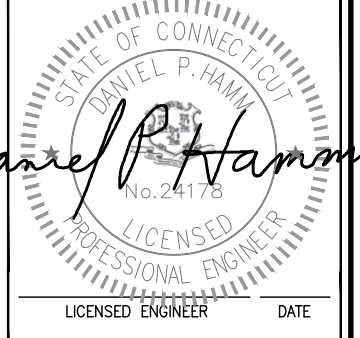
APPROXIMATE COLUMN OF FILL WITHIN COMPOUND: 4.2 CU YD

APPROXIMATE # OF TREES TO BE REMOVED >/=6" DBH: 1

TOTAL IMPACT AREA OF THE DISTURBED CONSTRUCTION SITE: 2,189.4 ± SQ.FT. OR 0.05 ± ACRE

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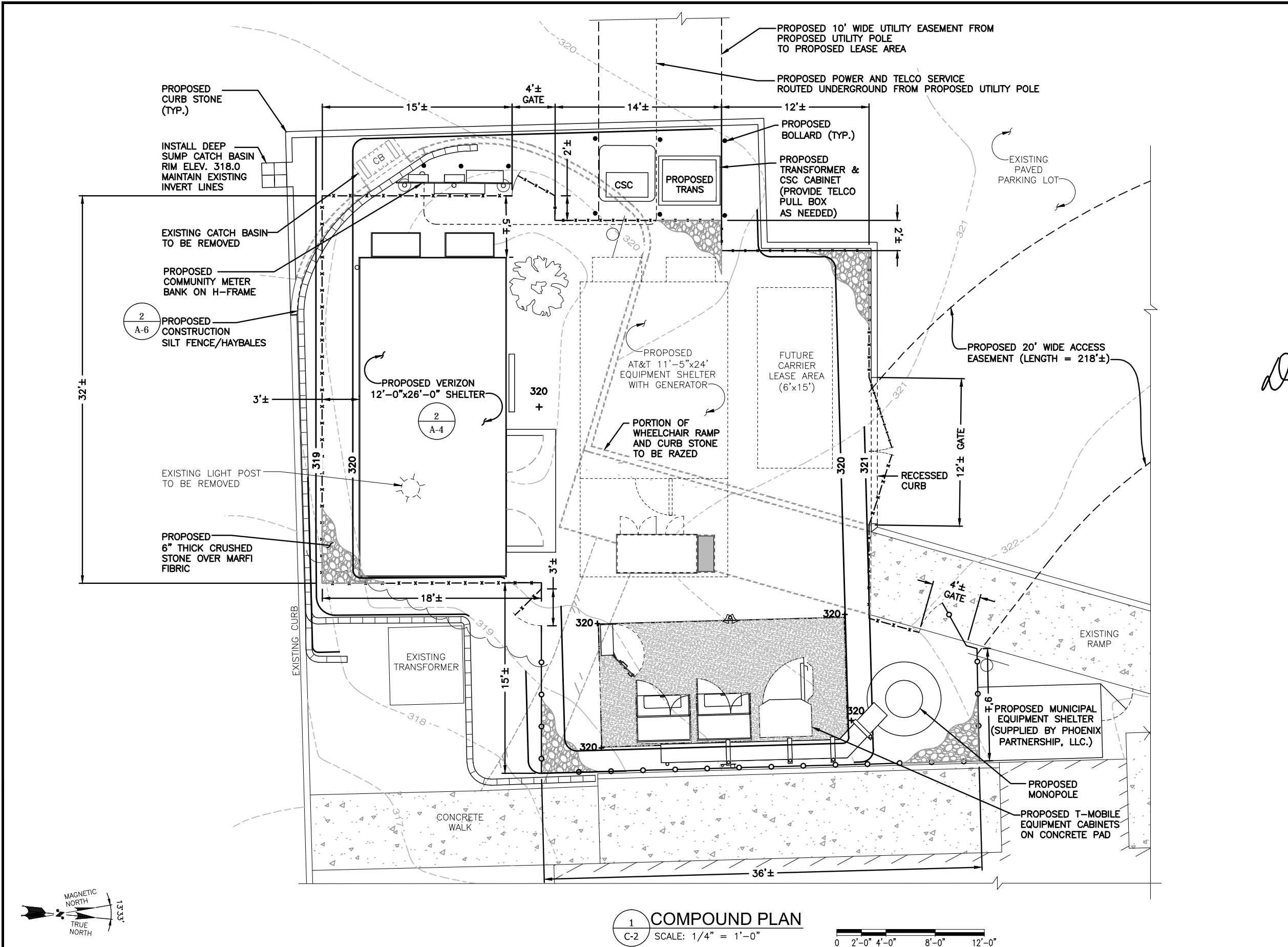
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SHEET TITLE:
SITE PLAN

SHEET NO.:
C-1

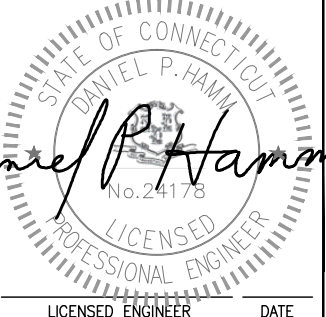


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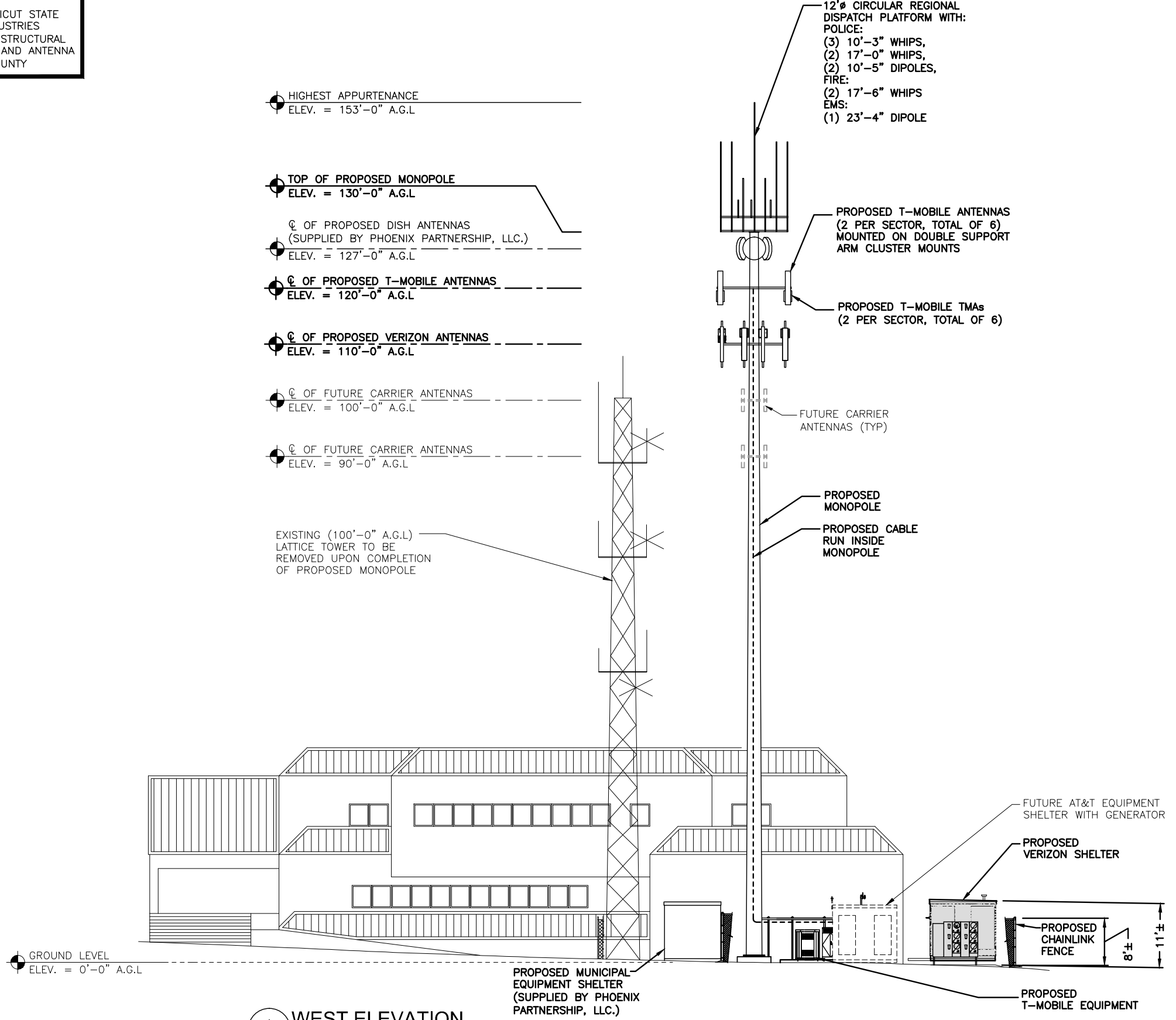
SHEET TITLE:
COMPOUND PLAN

SHEET NO:
C-2

NOTE:
 THE TOWER TO BE DESIGNED
 IN ACCORDANCE WITH THE 2005 CONNECTICUT STATE
 BUILDING CODE AND THE ELECTRONIC INDUSTRIES
 ASSOCIATION STANDARD EIA/TIA-222-F "STRUCTURAL
 STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA
 SUPPORT STRUCTURES" FOR FAIRFIELD COUNTY

- HIGHEST APPURTENANCE
 ELEV. = 153'-0" A.G.L.
- TOP OF PROPOSED MONOPOLE
 ELEV. = 130'-0" A.G.L.
- CL OF PROPOSED DISH ANTENNAS
 (SUPPLIED BY PHOENIX PARTNERSHIP, LLC.)
 ELEV. = 127'-0" A.G.L.
- CL OF PROPOSED T-MOBILE ANTENNAS
 ELEV. = 120'-0" A.G.L.
- CL OF PROPOSED VERIZON ANTENNAS
 ELEV. = 110'-0" A.G.L.
- CL OF FUTURE CARRIER ANTENNAS
 ELEV. = 100'-0" A.G.L.
- CL OF FUTURE CARRIER ANTENNAS
 ELEV. = 90'-0" A.G.L.

EXISTING (100'-0" A.G.L.)
 LATTICE TOWER TO BE
 REMOVED UPON COMPLETION
 OF PROPOSED MONOPOLE



12"Ø CIRCULAR REGIONAL
 DISPATCH PLATFORM WITH:
 POLICE:
 (3) 10'-3" WHIPS,
 (2) 17'-0" WHIPS,
 (2) 10'-5" DIPOLES,
 FIRE:
 (2) 17'-6" WHIPS
 EMS:
 (1) 23'-4" DIPOLE

PROPOSED T-MOBILE ANTENNAS
 (2 PER SECTOR, TOTAL OF 6)
 MOUNTED ON DOUBLE SUPPORT
 ARM CLUSTER MOUNTS

PROPOSED T-MOBILE TMAs
 (2 PER SECTOR, TOTAL OF 6)

FUTURE CARRIER
 ANTENNAS (TYP)

PROPOSED
 MONOPOLE

PROPOSED CABLE
 RUN INSIDE
 MONOPOLE

FUTURE AT&T EQUIPMENT
 SHELTER WITH GENERATOR

PROPOSED
 VERIZON SHELTER

PROPOSED CHAINLINK
 FENCE

PROPOSED
 T-MOBILE EQUIPMENT

GROUND LEVEL
 ELEV. = 0'-0" A.G.L.

1 WEST ELEVATION
 A-1 SCALE: 1" = 10'-0"



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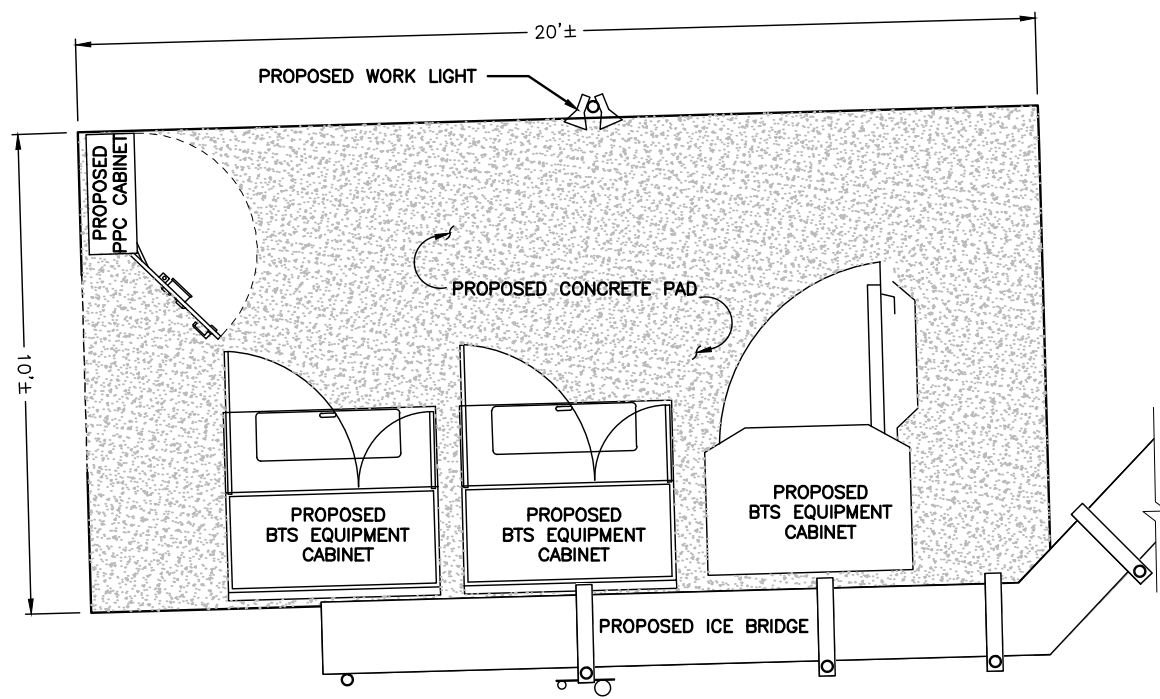
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SHEET TITLE:
 COMPOUND PLAN AND
 ELEVATION

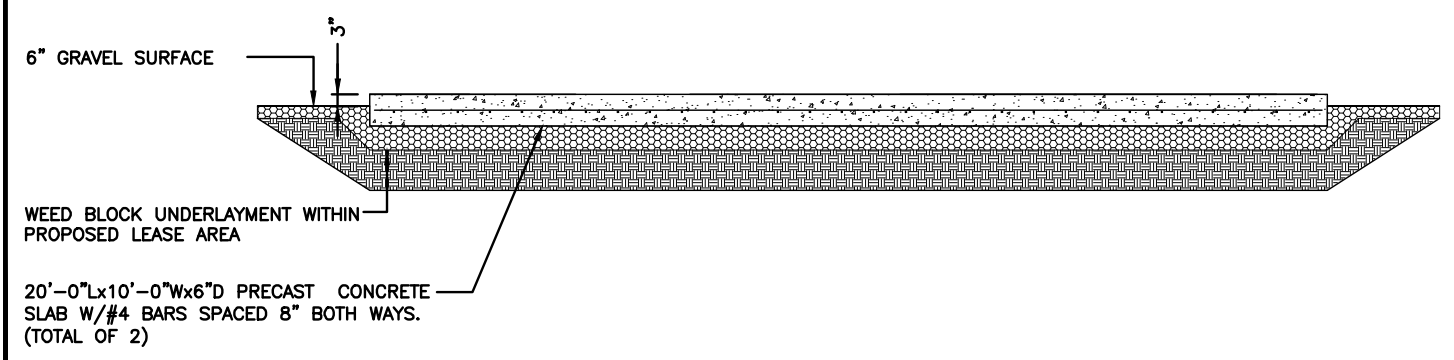
SHEET NO:
 A-1



1 EQUIPMENT PLAN
A-2 SCALE: N.T.S.

FOUNDATION NOTES & CONCRETE SPECIFICATIONS

1. FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. EXISTING LEDGE AND ALL OTHER EXISTING UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
2. UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
3. CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH ($f'c$)=4000 psi. CONCRETE TO BE AIR ENTRAINED, DESIRED AIR CONTENT TO BE 6% (PLUS OR MINUS 2%)
4. REINFORCING BAR TO BE ASTM A615 GRADE 60.
5. WELDED WIRE FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A185. WIRES FOR FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A82.
6. COORDINATE WITH MANUFACTURER OF PREFABRICATED SHELTER FOR LOCATION OF ATTACHMENTS TO BASE SLAB.
7. ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
8. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO LATEST EDITION OF ACI 318 AND APPLICABLE STATE BUILDING CODE.



2 EQUIPMENT CONCRETE PAD DETAIL
A-2 SCALE: N.T.S.

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STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER
LICENSED ENGINEER DATE

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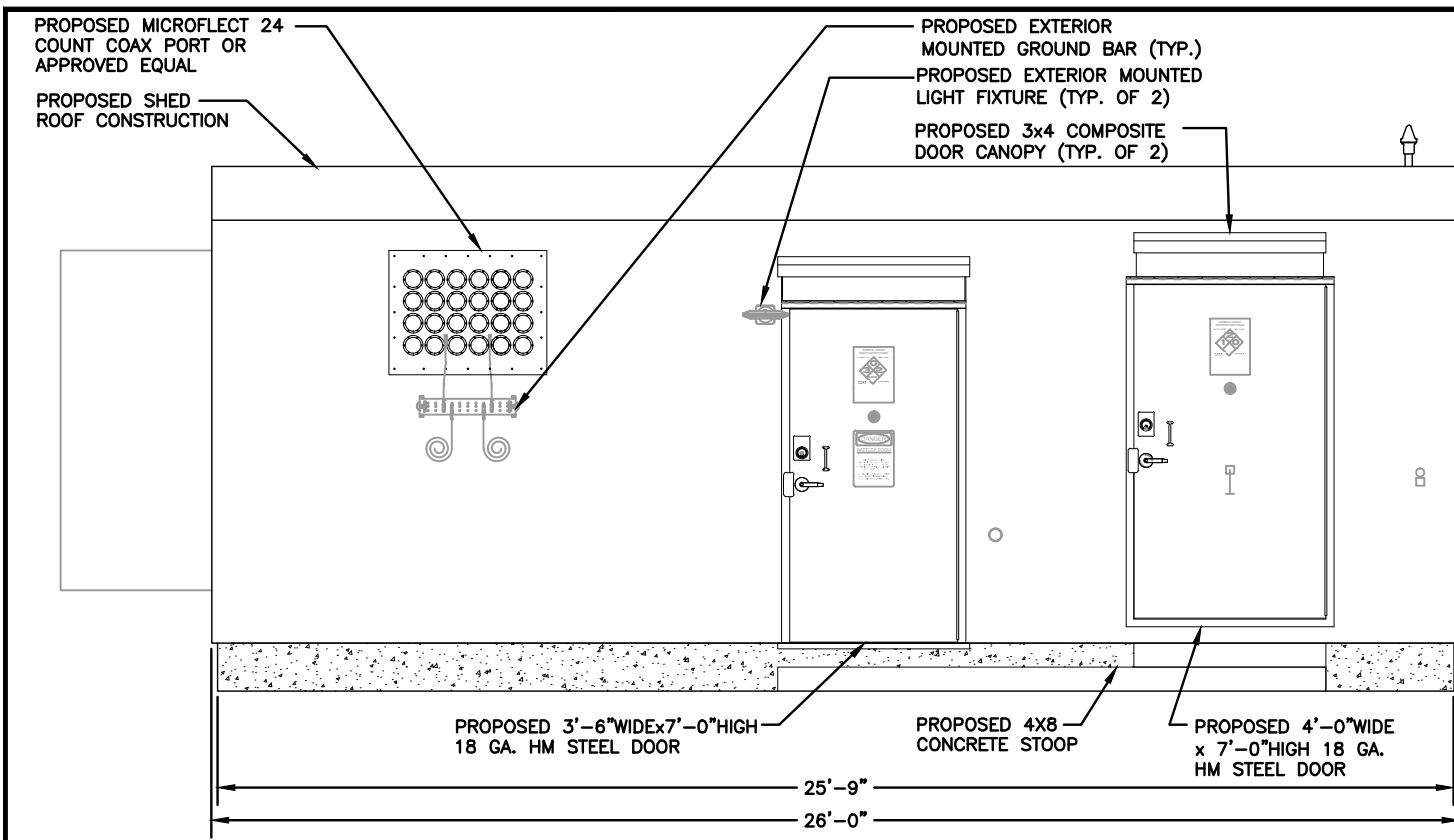
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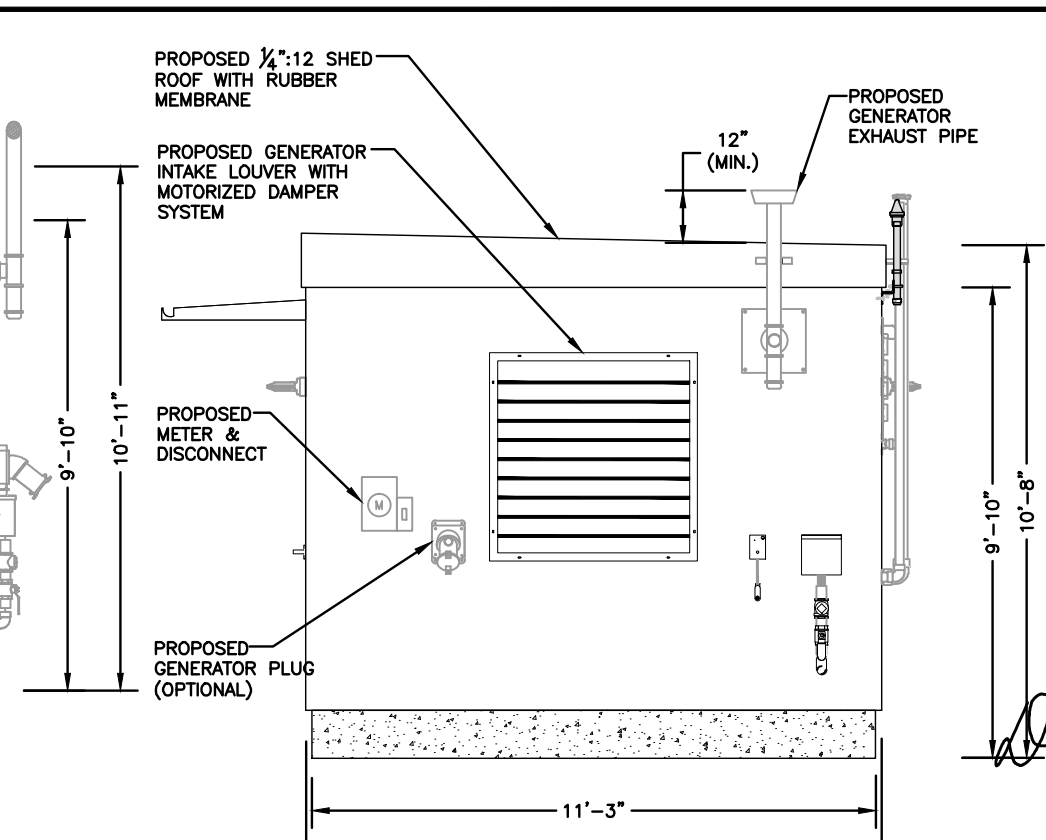
SITE ADDRESS:
158 EDISON ROAD
TRUMBULL, CT 06611

SHEET TITLE:
**T-MOBILE
EQUIPMENT PAD DETAILS**

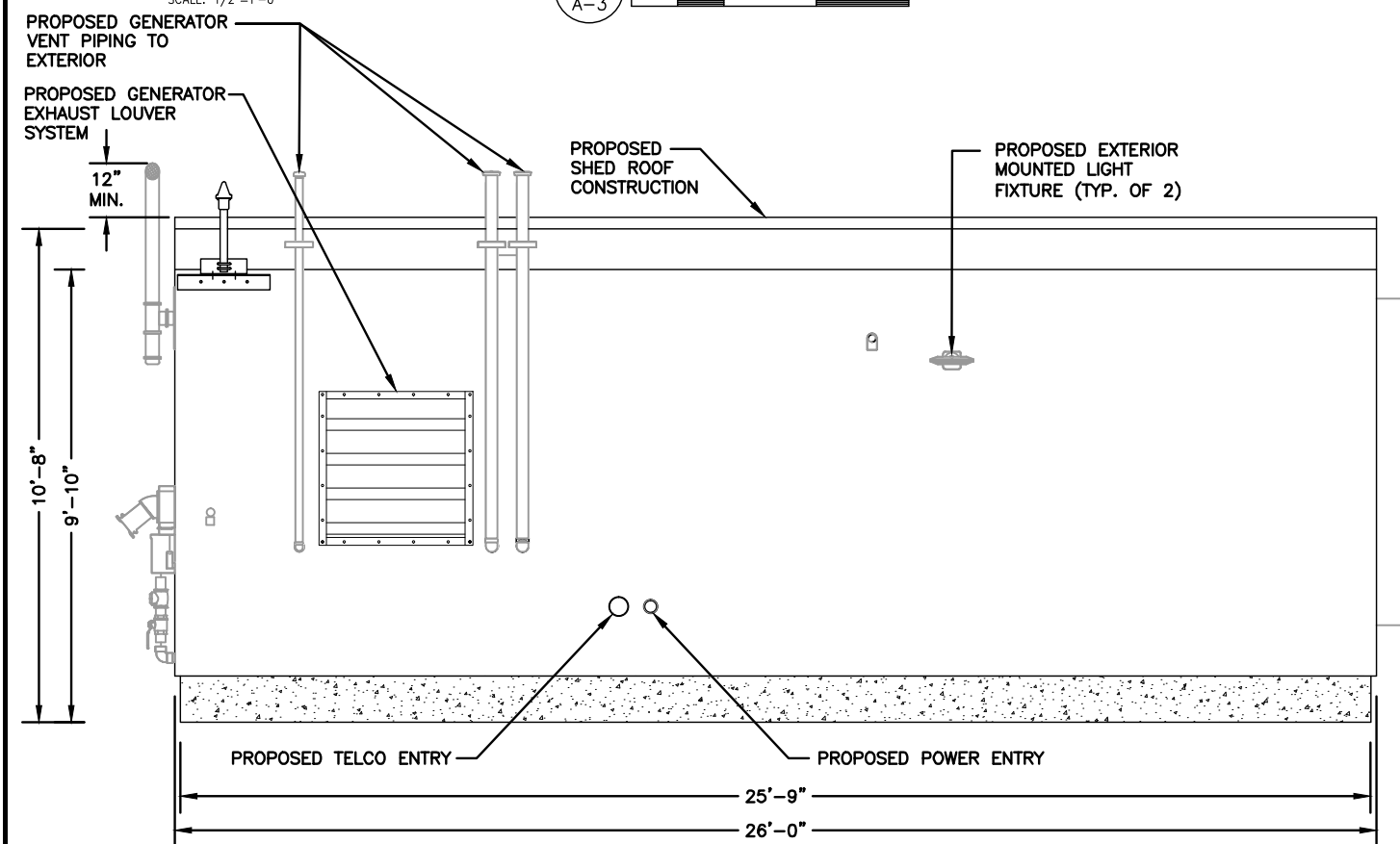
SHEET NO:
A-2



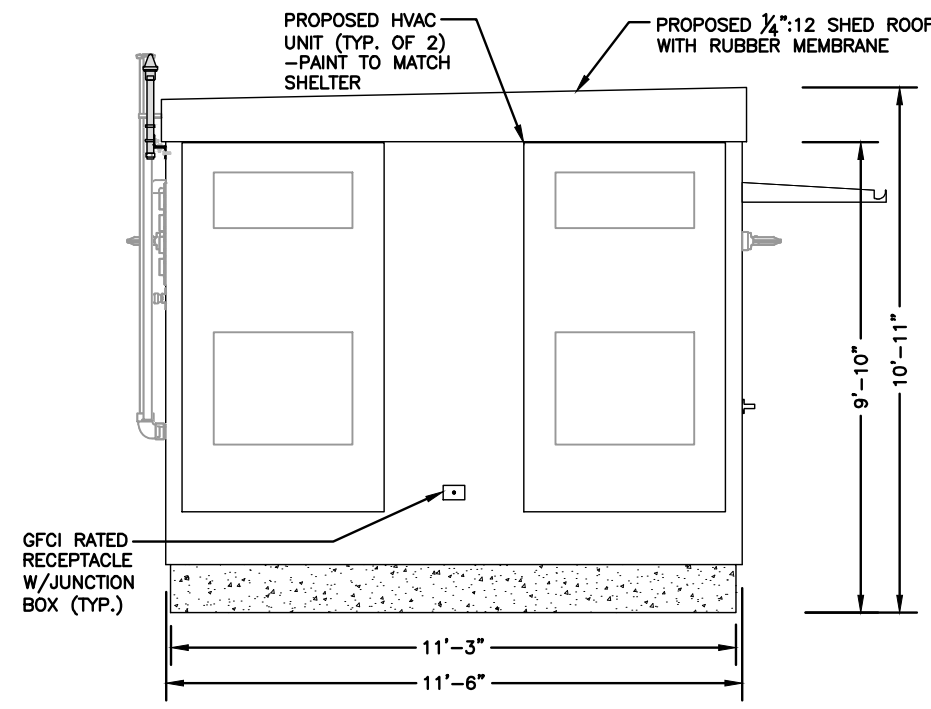
EXTERIOR ELEVATION A 1
SCALE: 1/2"=1'-0"
A-3



EXTERIOR ELEVATION B 2
SCALE: 1/2"=1'-0"
A-3



EXTERIOR ELEVATION C 3
SCALE: 1/2"=1'-0"
A-3



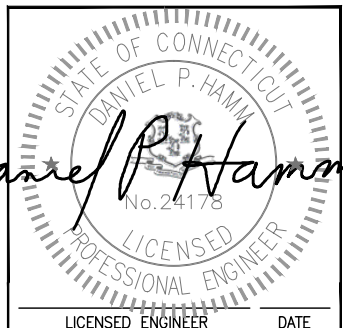
EXTERIOR ELEVATION D 4
SCALE: 1/2"=1'-0"
A-3

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SHEET TITLE:
VERIZON EQUIPMENT
SHELTER ELEVATION
DETAILS

SHEET NO.:
A-3

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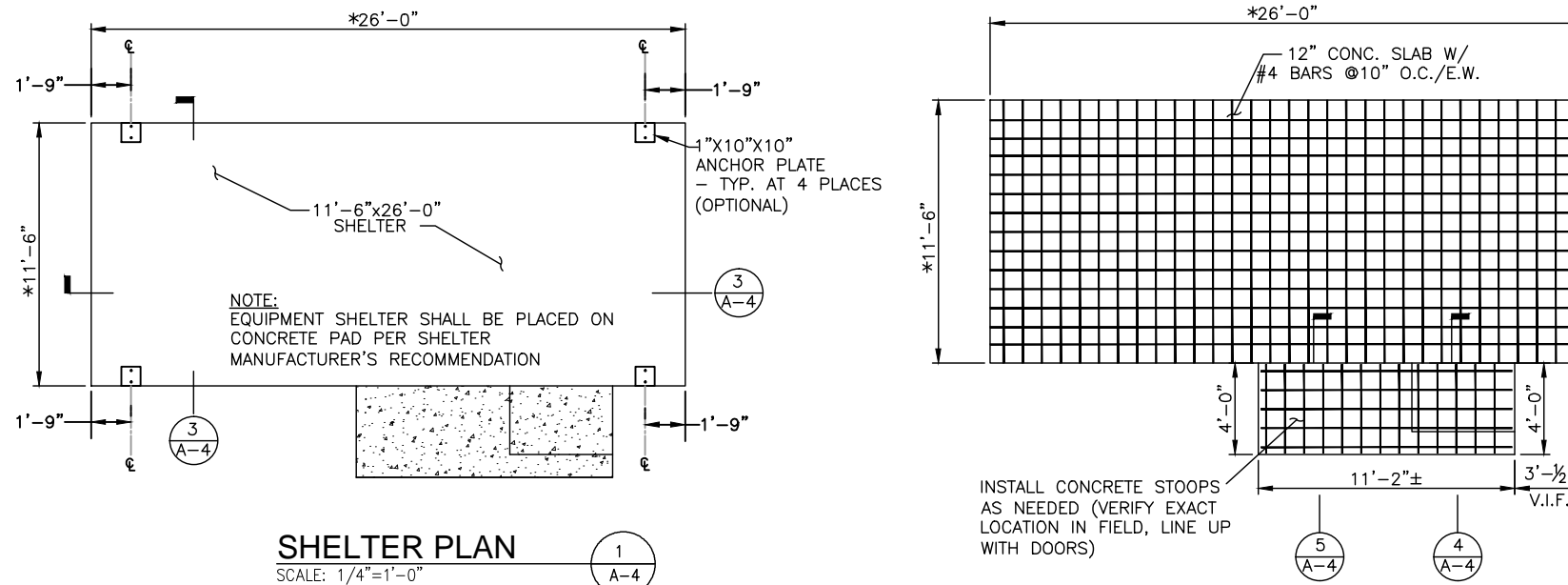
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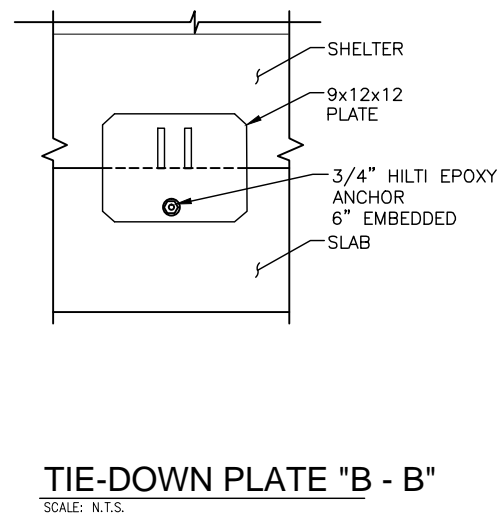
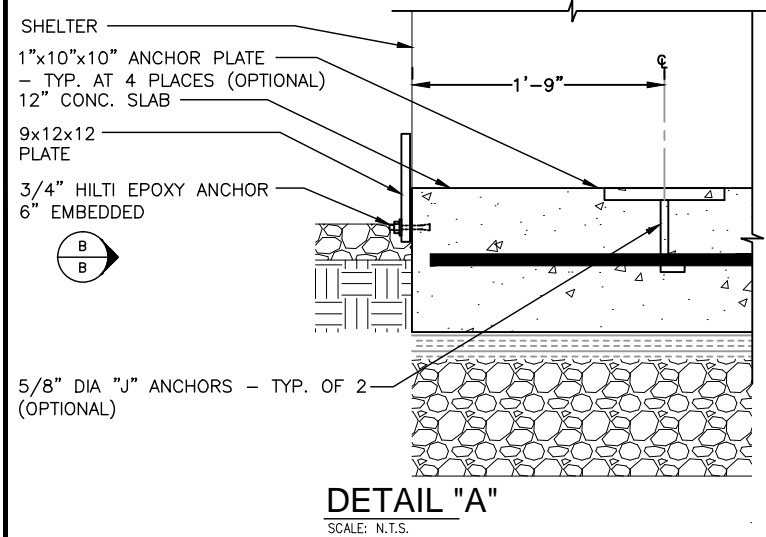
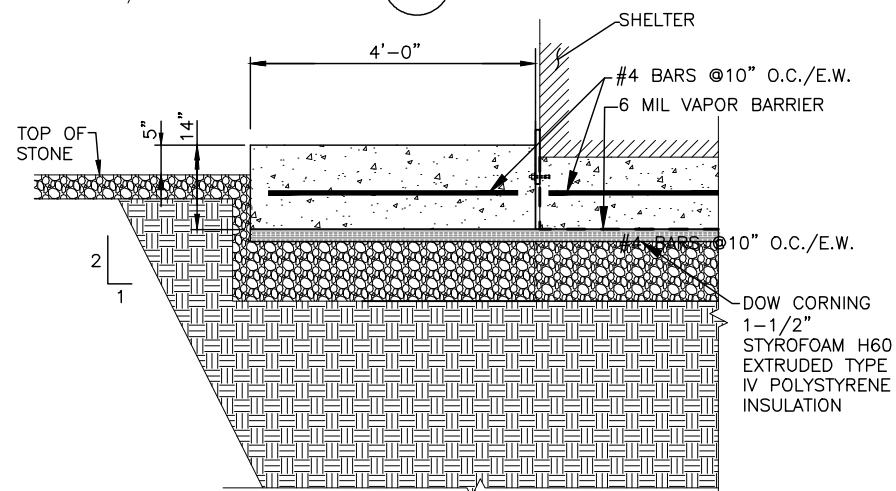
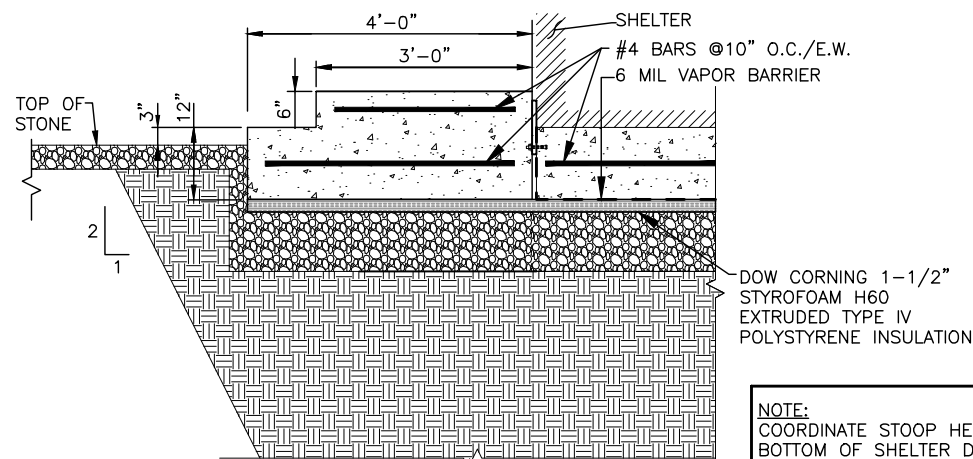
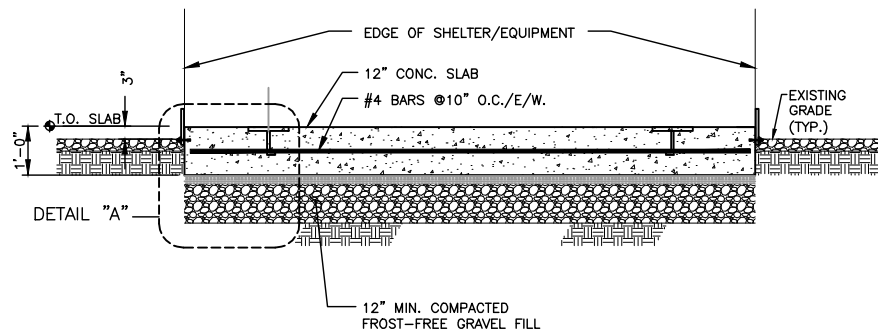
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* GC TO VERIFY EXACT SHELTER SIZE ORDERED AND MAKE SLAB EXACT SIZE AS SHELTER.

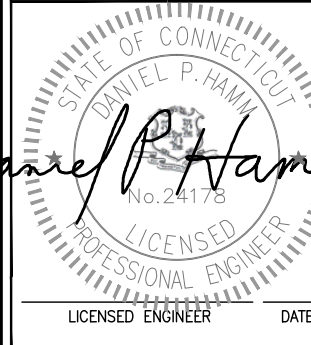


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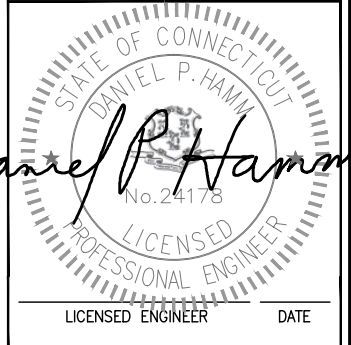
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SHEET TITLE:
VERIZON EQUIPMENT
SHELTER FOUNDATION

SHEET NO.:
A-4



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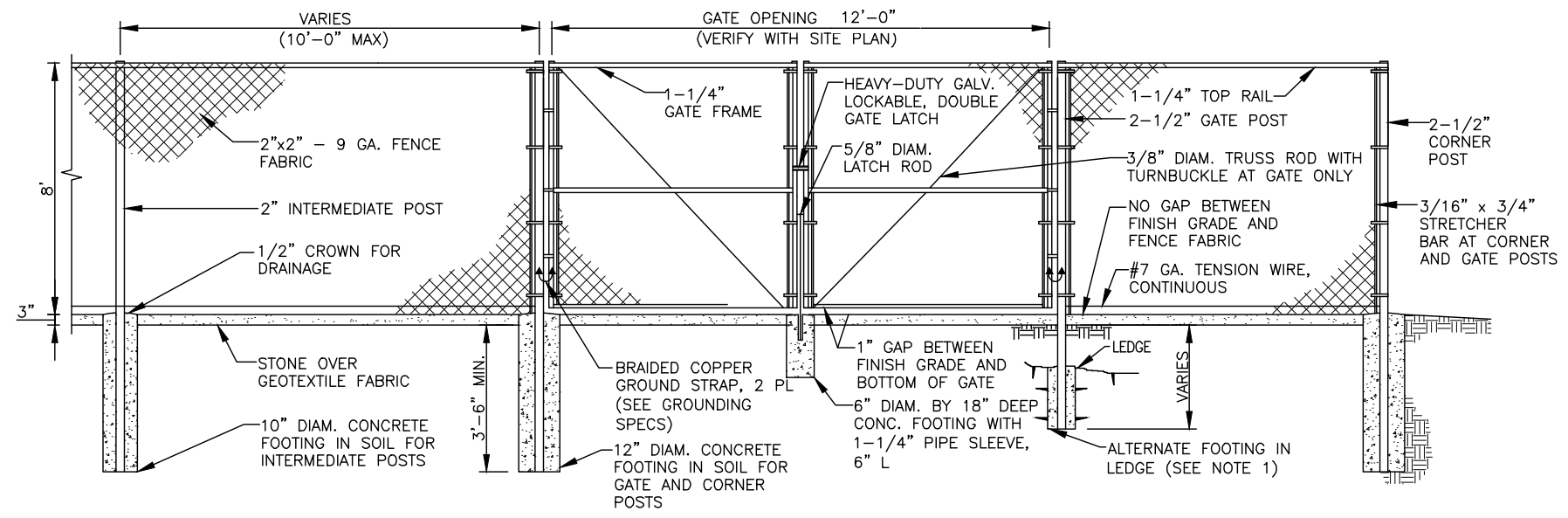
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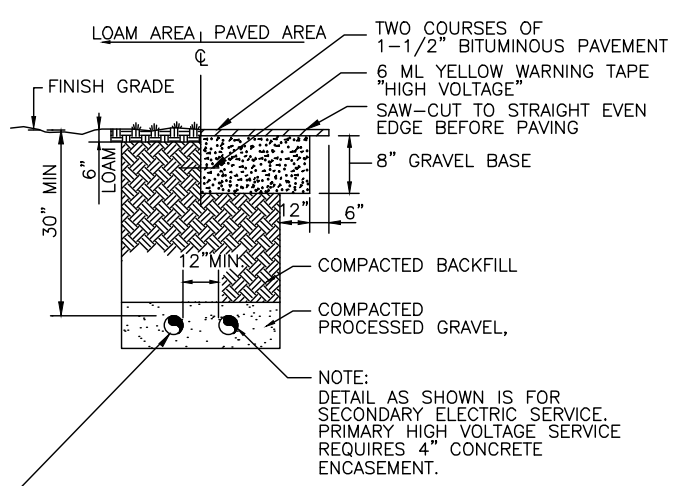
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SHEET TITLE:
SITE DETAILS

SHEET NO.:
A-5

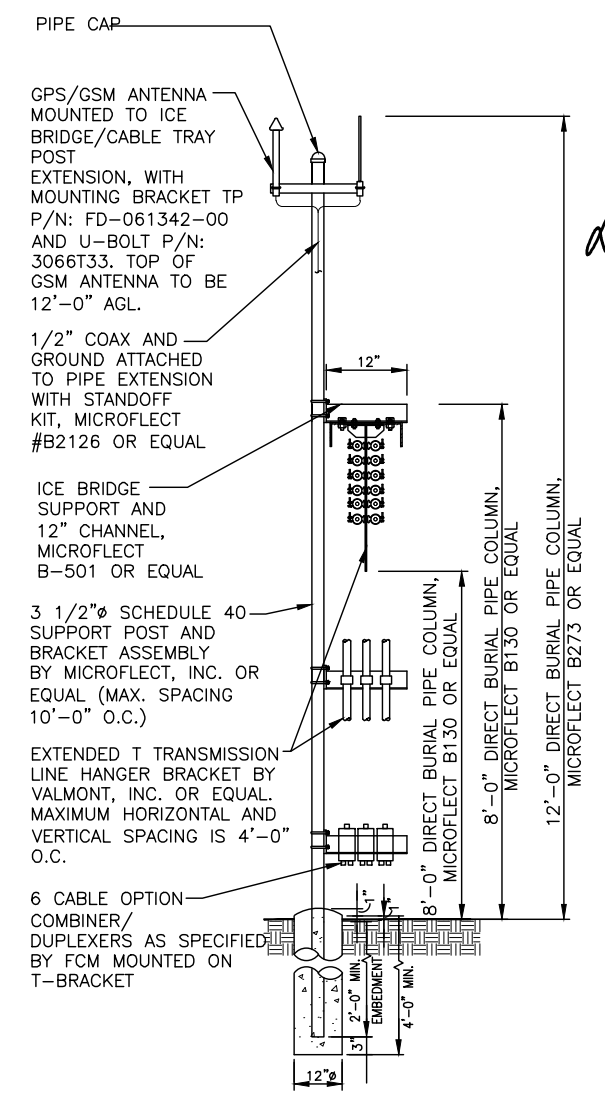
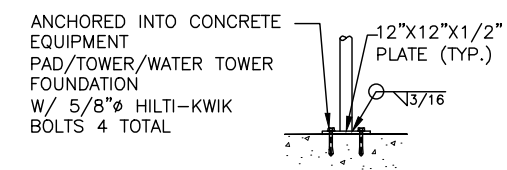


1 FENCE DETAIL
A-5 SCALE: N.T.S.



SCHEDULE 40 CONDUIT FOR NEW ELECTRICAL AND TELEPHONE SERVICES SEE UTILITY AND SITE PLANS. PROVIDE APPROVED PULL BOXES AS REQUIRED, AND COORDINATE INSTALLATION W/ ALL UTILITY COMPANIES FOR INTERFACING AT TERMINATION POINTS. PROVIDE FULL LENGTH PULL ROPES (TYP.).

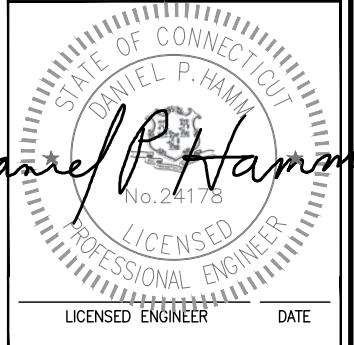
2 BURIED CONDUIT DETAIL
A-5 SCALE: N.T.S.



3 ICE BRIDGE DETAIL
A-5 SCALE: N.T.S.



1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586



Daniel P. Haman

REVISIONS		
REV. #	DATE	DESCRIPTION
3	05/28/15	REVISED PER COMMENTS
2	04/28/15	ISSUED FOR REVIEW
1	03/16/15	ISSUED FOR REVIEW
0	12/08/14	ISSUED FOR REVIEW

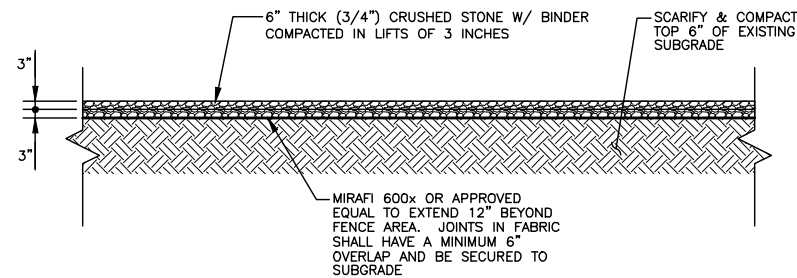
PROJECT NO.	DESIGNED BY:	DR	SCALE:
CT5051	DRAWN BY:	SZB	AS SHOWN
	CHECKED BY:	DPH	

SITE NAME:
CT5051
POLICE STATION
EDISON ROAD

SITE ADDRESS:
158 EDISON ROAD
TRUMBULL, CT 06611

SHEET TITLE:
SITE SURFACE & EROSION
CONTROL DETAILS

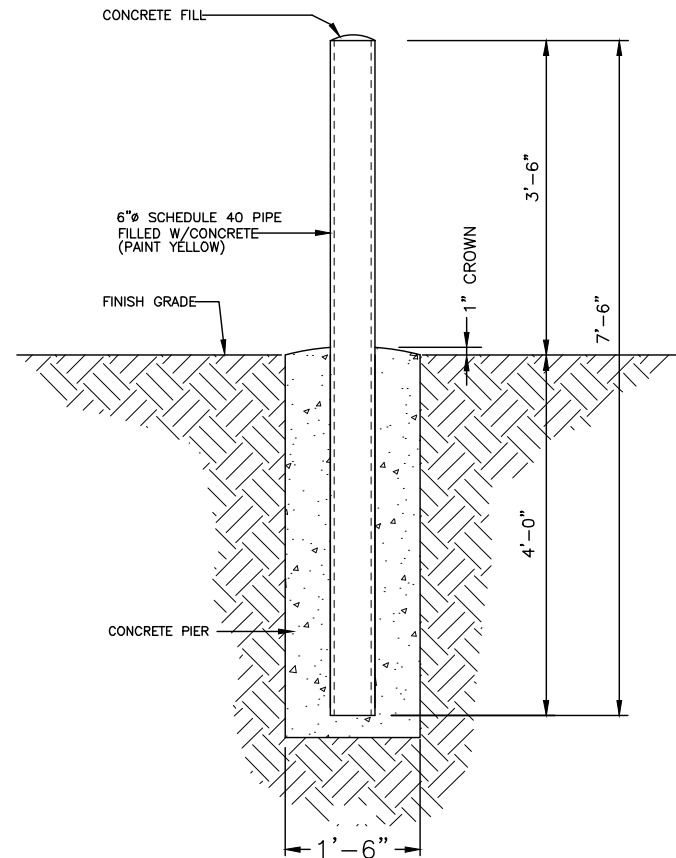
SHEET NO.:
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COMPOUND SURFACE DETAIL

SCALE: N.T.S.

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A-6



CONCRETE FILLED BOLLARD

SCALE: N.T.S.

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GENERAL CONSTRUCTION SEQUENCE:

THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SOME ITEMS OF WHICH MAY NOT APPLY TO PARTICULAR SITES.

- 1) CLEAR AND GRUB AREAS OF PROPOSED CONSTRUCTION.
- 2) INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
- 3) REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEEDED TO PREVENT EROSION.
- 4) CONSTRUCT CLOSED DRAINAGE SYSTEM. PROTECT CULVERT INLETS AND CATCH BASINS WITH SEDIMENTATION BARRIERS.
- 5) CONSTRUCT ROADWAYS AND PERFORM SITE GRADING, PLACING HAY BALES AND SILTATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- 6) INSTALL UNDERGROUND UTILITIES.
- 7) BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION. NO AREA SHALL BE LEFT UNSTABILIZED FOR A TIME PERIOD OF MORE THAN 30 DAYS.
- 8) DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING.
- 9) BEGIN EXCAVATION FOR AND CONSTRUCTION OF TOWERS AND PLATFORMS.
- 10) FINISH PAVING ALL ROADWAYS, DRIVES, AND PARKING AREAS.
- 11) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 12) NO STORM WATER FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN REGRADED AREAS.
- 13) AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

EROSION CONTROL MEASURES:

- 1) DISTURBED AREAS SHALL BE KEPT TO THE MINIMUM AREA NECESSARY TO CONSTRUCT THE ROADWAYS AND ASSOCIATED DRAINAGE FACILITIES.
- 2) HAY BALE BARRIERS AND SEDIMENT TRAPS SHALL BE INSTALLED AS REQUIRED. BARRIERS AND TRAPS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- 3) BALED HAY AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE FROM NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY. NO SALT HAY SHALL BE USED.
- 4) FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
- 5) STOCKPILED MATERIALS SHALL BE PLACED ONLY IN AREAS SHOWN ON THE PLANS. STOCKPILES SHALL BE PROTECTED BY SILTATION FENCE AND SEEDED TO PREVENT EROSION. THESE MEASURES SHALL REMAIN UNTIL ALL MATERIAL HAS BEEN PLACED OR DISPOSED OFF SITE.
- 6) ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.
- 7) APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

LIMESTONE: 75-100 LBS./1,000 SQUARE FEET.
FERTILIZER: RATE RECOMMENDED BY MANUFACTURER.
MULCH: HAY MULCH APPROXIMATELY 3 TONS/ACRE UNLESS EROSION CONTROL MATTING IS USED.

SEED MIX (SLOPES LESS THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
REDTOP	2
	42
SLOPE MIX (SLOPES GREATER THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
BIRDSFOOT TREEFOIL	8
	48

TREATMENT SWALE PLANTING SPECIFICATIONS

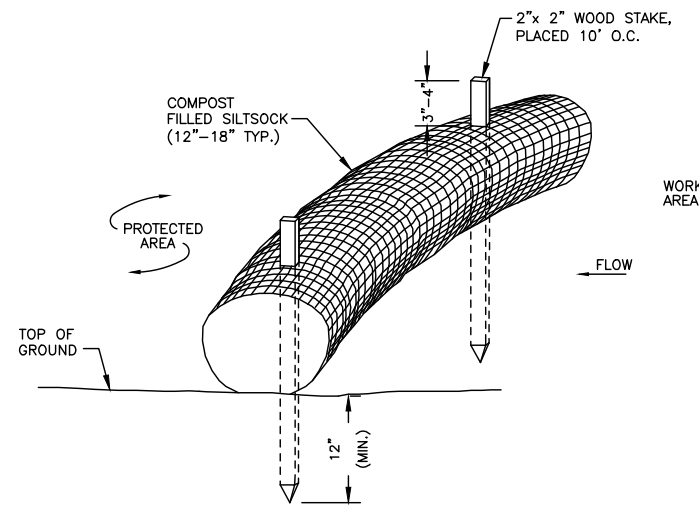
TALL FESCUE	20 LBS/ACRE	OR	0.45 LBS/10,000 SF
CREeping RED FESCUE	20 LBS/ACRE	OR	0.45 LBS/10,000 SF
BIRDSFOOT TREFOIL	8 LBS/ACRE	OR	0.20 LBS/10,000 SF

LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT TIME OF SEEDING AND INCORPORATED INTO THE SOIL. THE FOLLOWING RATES ARE RECOMMENDED:

AGRICULTURAL LIMESTONE	2 TONS/ACRE	OR	100 LBS/1,000 SF
NITROGEN (N)	50 LBS/ACRE	OR	1.1 LBS/10,000 SF
PHOSPHATE (P205)	100 LBS/ACRE	OR	2.2 LBS/10,000 SF
POTASH (K2O)	100 LBS/ACRE	OR	2.2 LBS/10,000 SF

(THIS IS EQUIVALENT TO 500 LBS/ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS/ACRE OF 5-10-10).

- 8) AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
- 9) PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 10) ALL CATCH BASIN INLETS WILL BE PROTECTED WITH LOW POINT SEDIMENTATION BARRIER.
- 11) ALL STORM DRAINAGE OUTLETS WILL BE STABILIZE AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 12) ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
- 13) NO DISCHARGE SHALL BE DIRECTED TOWARDS ANY PROPOSED DITCHES, SWALES, OR PONDS UNTIL THEY HAVE BEEN PROPERLY STABILIZED.



NOTES:

1. SILT SOCK SHALL BE FILTREXX SILT SOCK, OR APPROVED EQUAL.
2. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. SEE SPECIFICATIONS FOR SOCK SIZE, AND COMPOST FILL, REQUIREMENTS.

SILT SOCK DETAIL

SCALE: N.T.S.

2
A-6