



US Cellular

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SITE NAME: RAYMOND (RAYMOND, ME)
SITE NO. 853462
LATITUDE: 43° 56' 37.66"
LONGITUDE: 70° 25' 57.86"

SITE NUMBER: 853462
SITE NAME: RAYMOND
TOWER TYPE: 125' MONOPOLE TOWER (PROPOSED)
SITE ADDRESS: 19 FARM ROAD
RAYMOND, ME 04071

PROPERTY OWNER: MICHAEL J. & MARY JEAN MAJOR
19 FARM ROAD
RAYMOND, ME 04071
(207) 655-7034

MAP & LOT: 13/51

APPLICANT: U.S. CELLULAR
c/o KJK WIRELESS
8 PROVIDENCE AVENUE
FALMOUTH, ME 04105
(207) 899-8544

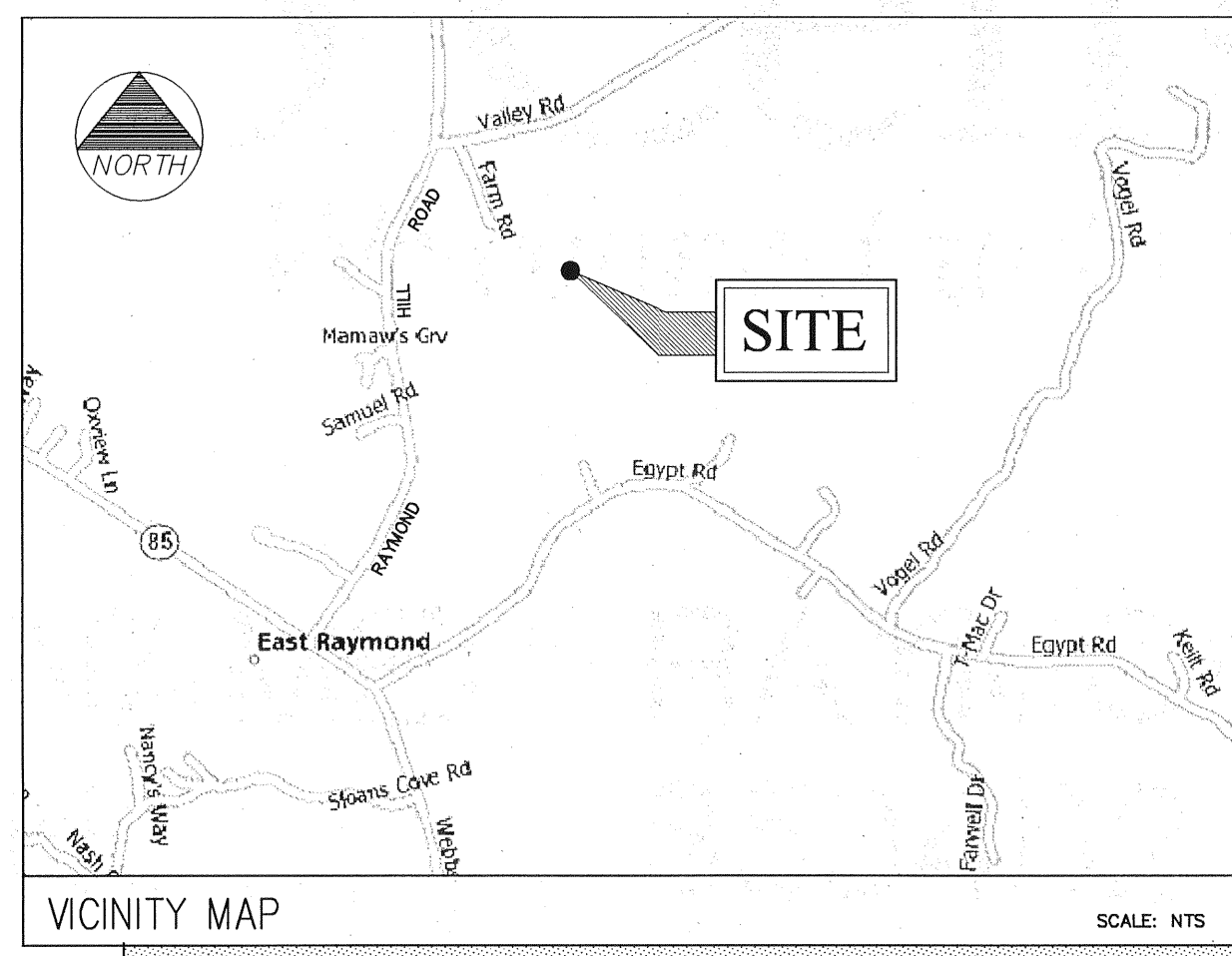
POWER COMPANY: CENTRAL MAINE POWER CO.
1-800-565-3182

TELCO COMPANY: VERIZON
(207)-990-5280

CEO OF MUNICIPALITY: WILL COOK
401 WEBBER MILLS ROAD
RAYMOND, ME 04071

PROJECT SUMMARY

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34".
IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.



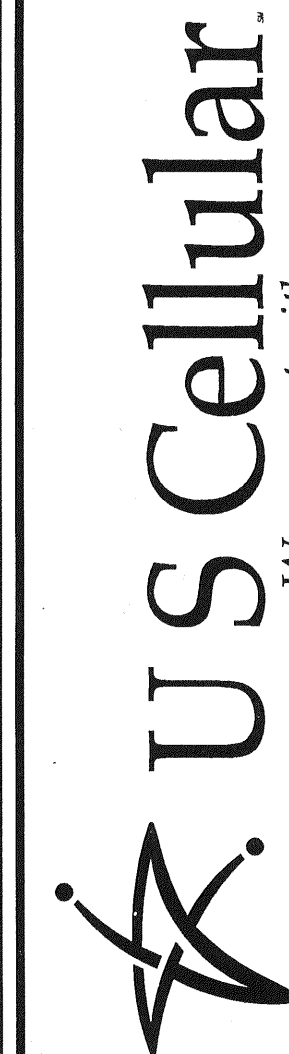
DIRECTIONS (START AT 100 GANNETT DRIVE, SOUTH PORTLAND, MAINE)
TURN RIGHT ONTO CUMMINGS ROAD AND PROCEED .25 MILES TO SPRING STREET. PROCEED .7 MILES TO PAYNE ROAD. TURN LEFT ONTO PAYNE ROAD AND PROCEED .6 MILES TO I-95/MAINE TURNPIKE RAMP. TAKE RAMP AND PROCEED 17.9 ON I-95N/GOLD STAR MEMORIAL HIGHWAY/MAINE TURNPIKE TOWARDS LEWISTON/AUGUSTA. TAKE EXIT 63 US-202/ME-115/ME-4 TOWARD ME-26/GRAY/NEW GLOUCESTER. TURN SLIGHT RIGHT ONTO W GRAY ROAD/US-202/ME-15/ME-26/ME-4. CONTINUE TO FOLLOW SHAKER ROAD/ME-26. PROCEED 2.6 MILES AND TURN LEFT ONTO N RAYMOND ROAD. PROCEED 1.0 MILES TO EGYPT ROAD. TURN LEFT ONTO EGYPT AND PROCEED 4.0 MILES TO WEBBER MILLS ROAD/ME85. TURN RIGHT ONTO WEBBER MILLS ROAD AND PROCEED .1 MILES TO RAYMOND HILL ROAD. TURN RIGHT ONTO RAYMOND HILL ROAD AND PROCEED 1.0 MILES TO VALLEY ROAD. PROCEED .1 MILES ON VALLEY ROAD TO TOWER ENTRANCE LOCATED ON THE RIGHT.

SHEET NO.	DESCRIPTION	DATE	REV. NO.
T-1	TITLE SHEET	10/14/10	1
C-1	PLOT PLAN	8/25/09	0
C-1A	ACCESS, UTILITY EASEMENT AND LEASE AREA PLAN	8/25/09	0
C-2	SITE PLAN	8/25/09	0
C-3	SITE PLAN	8/25/09	0
C-4	SITE PLAN	8/25/09	0
C-5	ANTENNA PLAN & ELEVATION	8/25/09	0
C-6	VEGETATION PROFILE	10/14/10	0
D-1	SHELTER ELEVATION	8/25/09	0
D-2	SECTIONS AND DETAILS	8/25/09	0
G-1	GENERAL NOTES	8/25/09	0

SHEET INDEX

BUILDING REQUIREMENTS:
BUILDING IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS NOT REQUIRED.

PLUMBING REQUIREMENTS:
FACILITY HAS NO PLUMBING.



100 Gannett Drive, Suite B, South Portland, ME 04106

R.F. _____
SA/ZN _____
CONST. _____
N.O.M. _____
P.M. _____

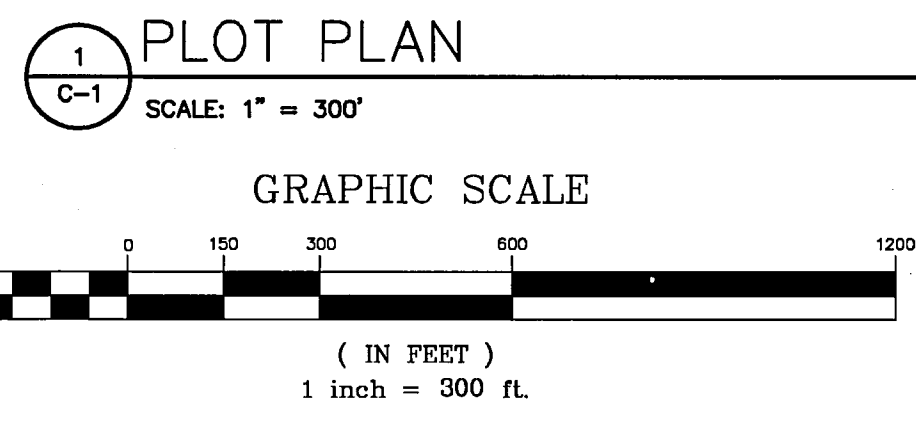
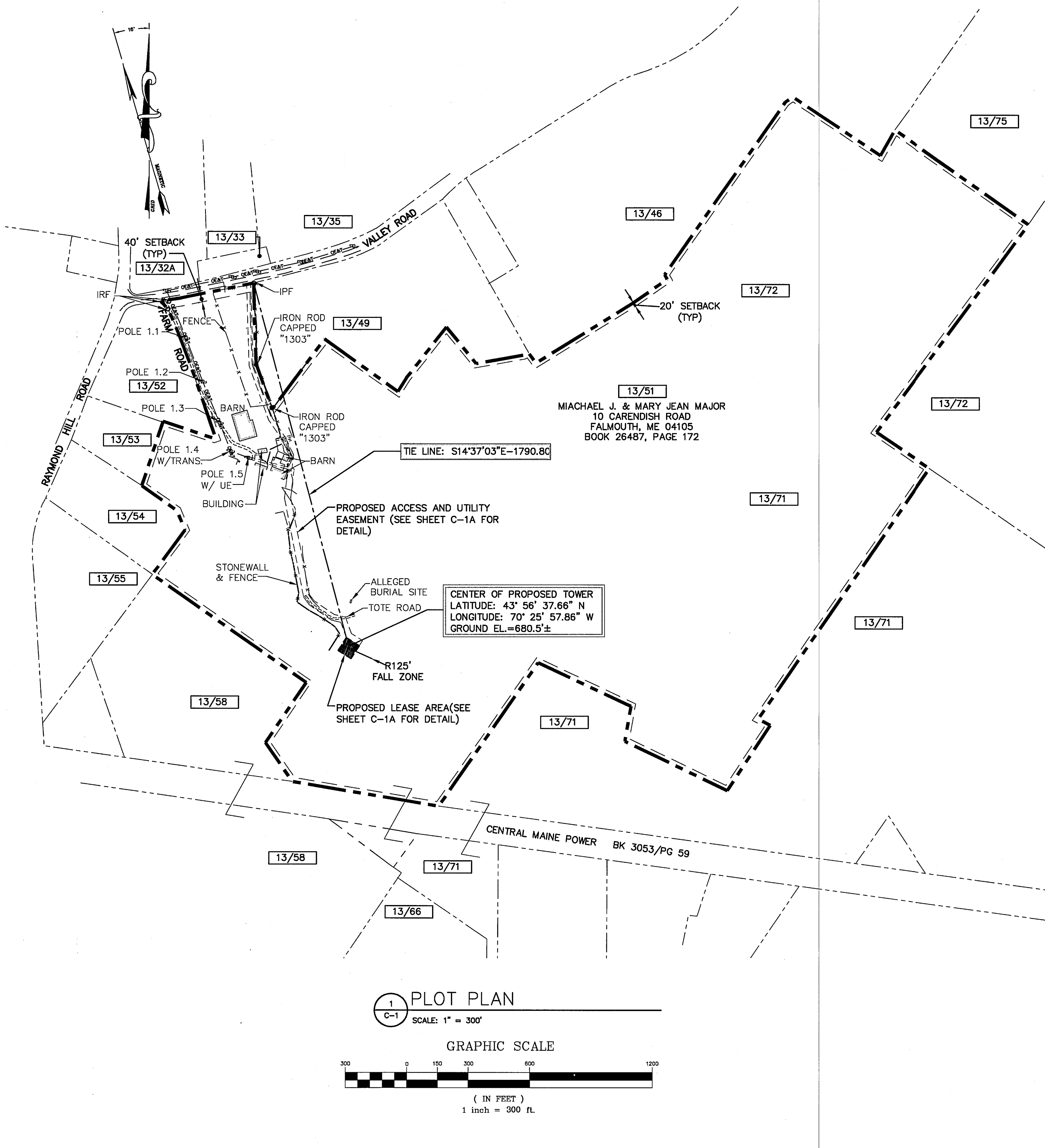
West ASSOCIATES, INC.
engineers • architects • surveyors • construction managers

OEST PROJ. NO: 413.86.01

SITE NAME: RAYMOND
SITE NUMBER: 853462
ADDRESS: 19 FARM ROAD
RAYMOND, ME 04071
DRAWING TITLE: TITLE SHEET

REVISIONS		
No.	DESCRIPTION	DATE
1	FOR CONSTRUCTION	10/14/10
0	FOR CONSTRUCTION	8/25/09

DESIGNED BY: MSD
DRAWN BY: CBM
CHECKED BY: MSD
DATE: 8/25/09
SCALE: AS NOTED
PROJECT NO.: 413.86.01
DRAWING NO.: T-1



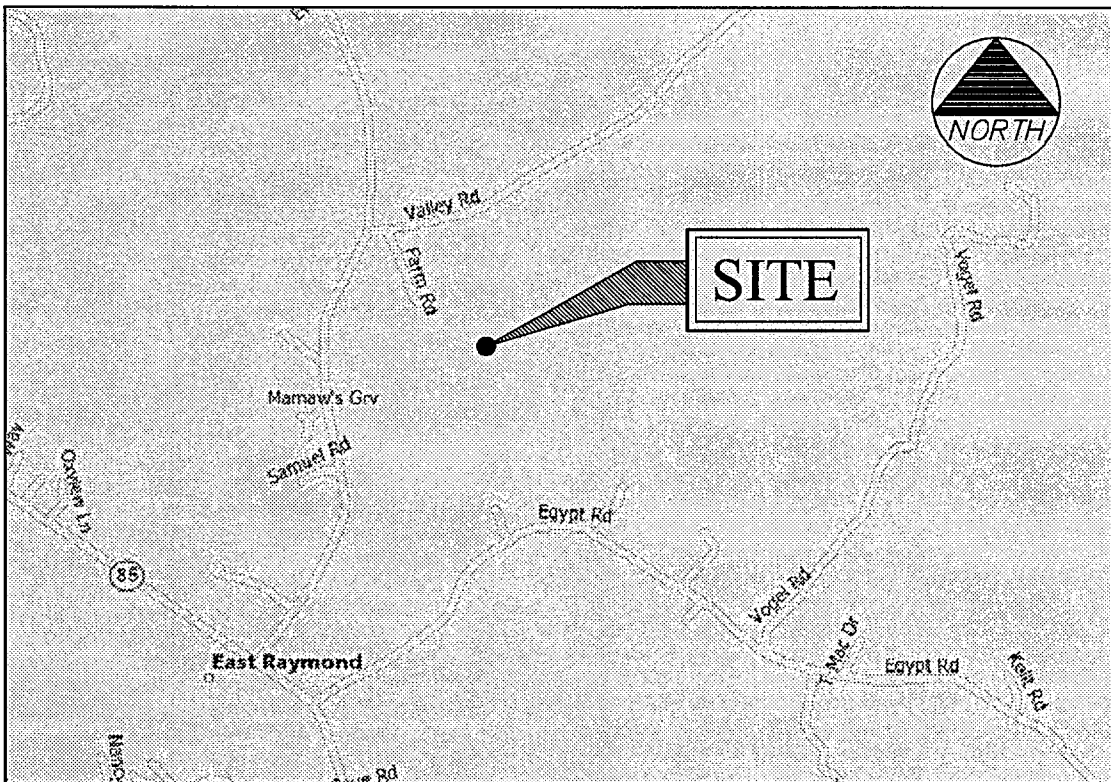
NOTE:
THIS IS NOT A STANDARD BOUNDARY SURVEY. EXCEPT AS IDENTIFIED BY MONUMENTATION FOUND.
ALL BOUNDARIES SHOWN ON THIS PLAN HAVE BEEN COMPILED FROM RECORD DEEDS AND TAX MAPS AND
ARE INTENDED TO SHOW THE LOCATIONS OF ABUTTERS LOTS AND ZONING BOUNDARIES ONLY.

LIST OF ABUTTERS		
TOWN OF RAYMOND		
MAP/LOT	RECORD OWNER	ADDRESS
13/32A 13/46	VELMA STROUT	119 RAYMOND HILL ROAD RAYMOND, ME 04071
13/33	ROGER A. STROUT	85 PILLSBURY STREET SOUTH PORTLAND, ME 04106
13/35	DELBERT L. PEAVEY JR. ET AL	36 VALLEY ROAD RAYMOND, ME 04071
13/49	DAVID & DEBORAH BAKER	23 VALLEY ROAD RAYMOND, ME 04071
13/52	STEPHEN THIBEAULT	P.O. BOX 253 RAYMOND, ME 04071
13/53	JAY R. & CINDY L. MCLEAN	95 RAYMOND HILL ROAD RAYMOND, ME 04071
13/54	PATRICK G. & LINDA P. LEE	91 RAYMOND HILL ROAD RAYMOND, ME 04071-6145
13/55	GERALD J. & CANDACE J. SCRIPTURE	77 RAYMOND HILL ROAD RAYMOND, ME 04071
13/56	JULIA L. QUINN	P.O. BOX 573 RAYMOND, ME 04071
13/58	PAUL ROGER GODWIN	49 RAYMOND HILL ROAD RAYMOND, ME 04071
13/66	THOMAS M. & MILUSSA HOLMAN	7 WOODPECKER LANE RAYMOND, ME 04071
13/71	DENNIS J. COLE	8 DEN'S DRIVE RAYMOND, ME 04071
13/72	PETER W. KELLY	P.O. BOX 617 PORTLAND, ME 04104-0617
13/75	THERON HAMILTON	24 CUMBERLAND ROAD NORTH YARMOUTH, ME 04097

ZONING INFORMATION	
ZONING DISTRICT:	RURAL DISTRICT (R)
MINIMUM STREET FRONTAGE:	225 FEET
FRONT YARD SETBACK:	40 FEET
SIDE YARD SETBACK:	20 FEET
REAR YARD SETBACK:	20 FEET
MINIMUM LOT SIZE:	3 ACRES

- PLAN REFERENCE**
- PLAN ENTITLED "STANDARD BOUNDARY SURVEY-BOUNDARY LOCATION PLAN - VALLEY ROAD AND FARM ROAD, ME" MADE FOR JAMES W. RIECHEL BY STEPHEN J. MARTIN, PLS. DATED NOVEMBER 8, 2003.
 - PLAN ENTITLED "LAND IN RAYMOND, ME - ROY C. RAYNOR TO ALICE KAYLOFT BY RONALD C. KIESMAN, PLS. DATED JUNE 15, 1974. RECORDED IN PLAN BOOK 104, PAGE 21.

LEGEND	
---	PROPERTY LINE
---	ABUTTING PROPERTY LINE
○	IRON PIN FOUND (AS NOTED)
□	MONUMENT (AS NOTED)
○	UTILITY POLE
-----	STONE WALL
~~~~~	EXISTING TREE LINE
---OE&T---	EXISTING OVERHEAD ELECTRIC & TELEPHONE



- GENERAL NOTES**
- DATES OF FIELD SURVEY: MAY 2009
  - SITE NAME: RAYMOND
  - SITE NUMBER: 853462
  - TOWER TYPE: 125', MONOPOLE TOWER (PROPOSED)
  - SITE ADDRESS: 19 FARM ROAD  
RAYMOND, ME 04071  
CUMBERLAND COUNTY
  - PROPERTY OWNER: MICHAEL J. & MARY JEAN MAJOR  
19 FARM ROAD  
RAYMOND, ME 04071  
CUMBERLAND COUNTY  
(207) 655-7034
  - APPLICANT: US CELLULAR c/o KJK WIRELESS  
8 PROVIDENCE AVENUE  
FALMOUTH, ME 04105  
(207) 899-8544
  - POWER COMPANY: CENTRAL MAINE POWER COMPANY  
1-800-565-3182
  - TELCO COMPANY: VERIZON  
(207)-990-5280
  - CEO OF MUNICIPALITY: WILL COOK  
WEBBER MILLS ROAD  
RAYMOND, ME 04071
  - JURISDICTION: RAYMOND, ME
  - ZONING DISTRICT: RURAL DISTRICT (R)
  - TAX IDENTIFICATION: 13 51  
DEED BOOK/PAGE: 26487/172
  - VERTICAL DATUM: NATIONAL AMERICAN VERTICAL DATUM  
NAVD 1988, (MEAN SEA LEVEL).
  - HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983  
(NAD83)
  - CENTER OF PROPOSED TOWER:  
LATITUDE: 43° 56' 37.66" N (NAD 83)  
LONGITUDE: 70° 25' 57.86" W (NAD 83)  
GROUND EL. = 680.5'±
  - BEARINGS ARE BASED ON MAINE STATE GRID COORDINATE SYSTEM, WEST ZONE, (NAD83).
  - ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIG SAFE 1(888) 344-7233 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
  - PROPERTY IS LOCATED IN FLOOD ZONE "C" AS SHOWN ON FLOOD INSURANCE RATE MAP IN THE TOWN OF RAYMOND MAINE, CUMBERLAND COUNTY PANEL 10 OF 20, COMMUNITY PANEL NUMBER 230205-0010-B EFFECTIVE DATE MAY 5, 1981. ZONE "C" IS DEFINED AS AN AREAS OF MINIMAL FLOODING.

FAA CERTIFICATION - 2C	
I HEREBY CERTIFY THAT THE LATITUDE, LONGITUDE, AND ELEVATIONS PRESENTED HEREON MEETS THE REQUIREMENTS OF THE FAA WITH THE FOLLOWING ACCURACIES:  +/- TWENTY (20) FEET VERTICALLY +/- FIFTY (50) FEET HORIZONTALLY	
JEROME B. WATTS LICENSED LAND SURVEYOR #1245	8-25-2009 DATE

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

EQUIPMENT INSTALLATION SHALL MEET ALL LOCAL, STATE AND FEDERAL REQUIREMENTS FOR EQUIPMENT EMISSIONS.

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100 Garnett, Suite B, South Portland, ME 04106

ASSOCIATES, INC.

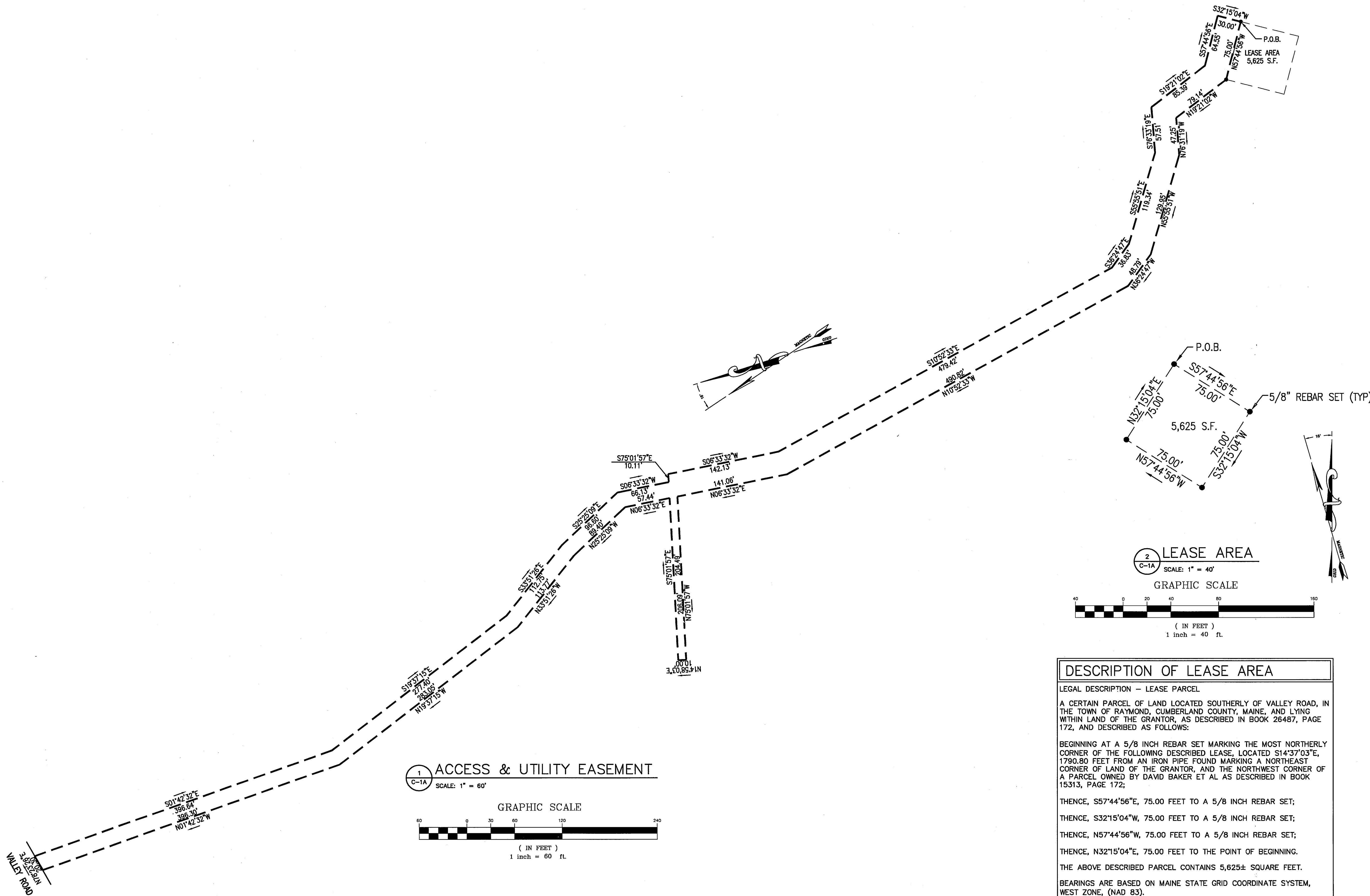
1000 Main Street, Suite 200, Portland, ME 04101  
Tel: (207) 761-1176 Fax: (207) 761-1177  
Engineers • Architects • Surveyors • Construction Managers

SITE NAME: RAYMOND  
SITE NUMBER: 853462  
ADDRESS: 19 FARM ROAD  
RAYMOND, ME 04071  
DRAWING TITLE: PLOT PLAN

REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	8/25/09

DESIGNED BY: JBW	DATE: 8/25/09
DRAWN BY: CBM	SCALE: AS NOTED
CHECKED BY: MSD	PROJECT NO.: 413.86.01
DRAWING NO.:	

C-1



### DESCRIPTION OF LEASE AREA

#### LEGAL DESCRIPTION - LEASE PARCEL

A CERTAIN PARCEL OF LAND LOCATED SOUTHERLY OF VALLEY ROAD, IN THE TOWN OF RAYMOND, CUMBERLAND COUNTY, MAINE, AND LYING WITHIN LAND OF THE GRANTOR, AS DESCRIBED IN BOOK 26487, PAGE 172, AND DESCRIBED AS FOLLOWS:

BEGINNING AT A 5/8 INCH REBAR SET MARKING THE MOST NORTHERLY CORNER OF THE FOLLOWING DESCRIBED LEASE, LOCATED S14°37'03"E, 1790.80 FEET FROM AN IRON PIPE FOUND MARKING A NORTHEAST CORNER OF LAND OF THE GRANTOR, AND THE NORTHWEST CORNER OF A PARCEL OWNED BY DAVID BAKER ET AL AS DESCRIBED IN BOOK 15313, PAGE 172;

THENCE, S57°44'56"E, 75.00 FEET TO A 5/8 INCH REBAR SET;

THENCE, S32°15'04"W, 75.00 FEET TO A 5/8 INCH REBAR SET;

THENCE, N57°44'56"W, 75.00 FEET TO A 5/8 INCH REBAR SET;

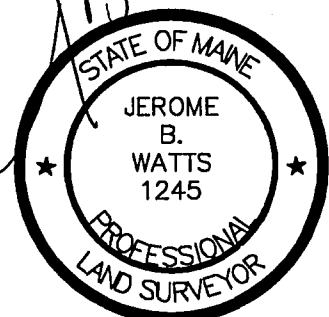
THENCE, N32°15'04"E, 75.00 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL CONTAINS 5,625± SQUARE FEET.

BEARINGS ARE BASED ON MAINE STATE GRID COORDINATE SYSTEM, WEST ZONE, (NAD 83).



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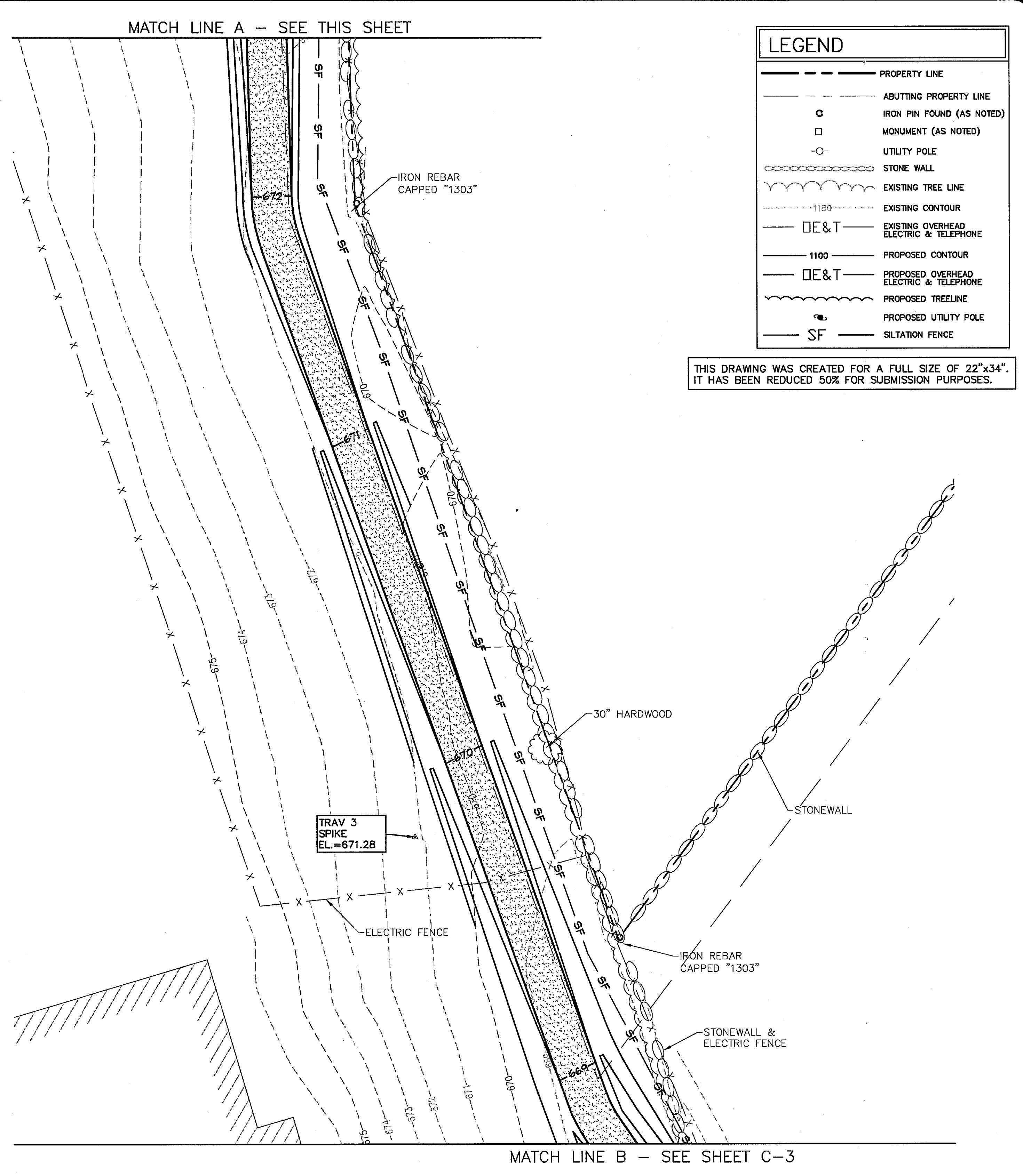
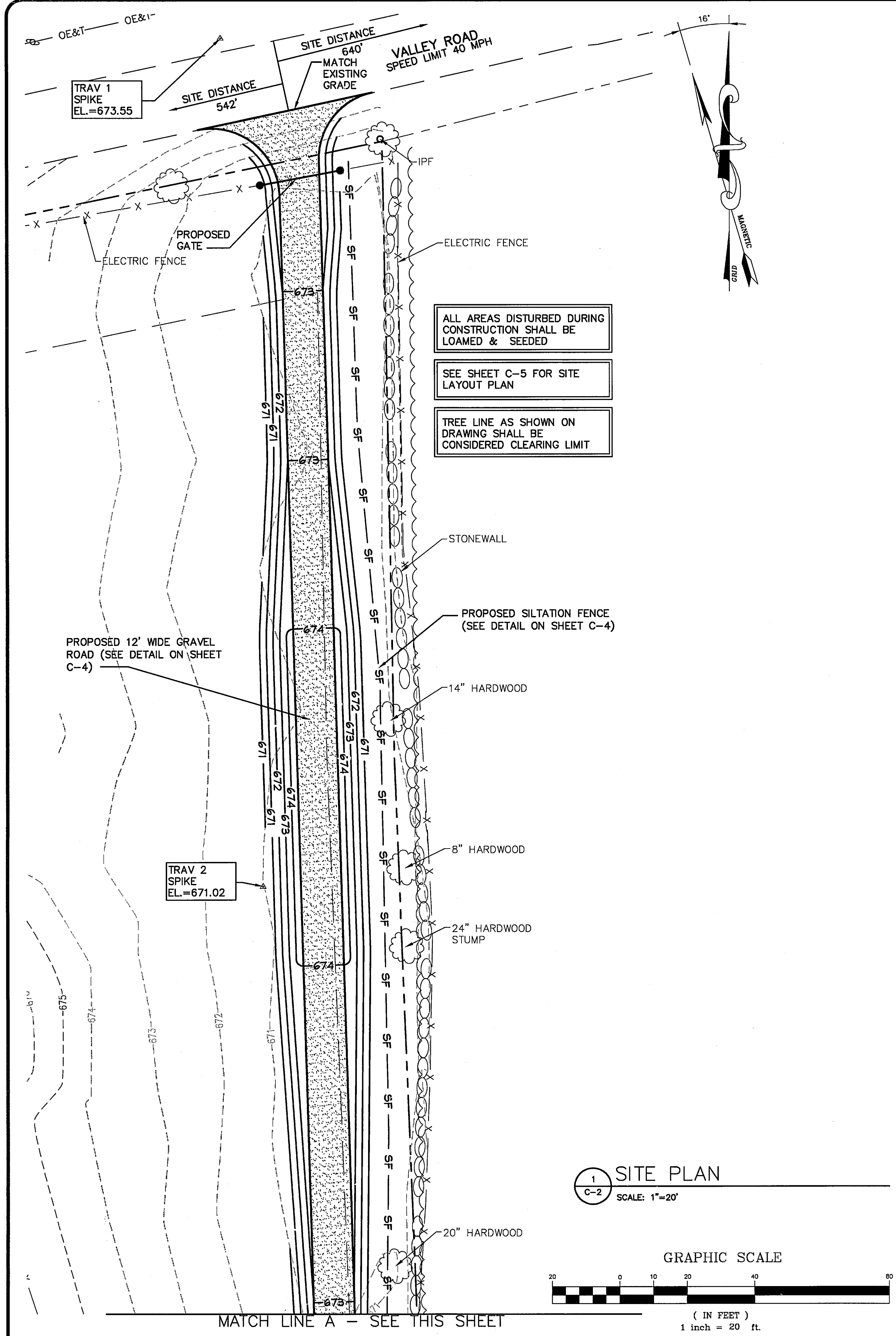
AND OEST PROJ. NO: 413.86.01

SITE NAME	RAYMOND
SITE NUMBER	853462
ADDRESS	19 FARM ROAD RAYMOND, ME 04071
PROJECT TITLE	UTILITY EASEMENT ACCESS AREA PLAN

REVISIONS		
No.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	8/25/09

DESIGNED BY:	DATE:
JBW	8/25/09
DRAWN BY:	SCALE:
CBM	AS NOTED
CHECKED BY:	PROJECT NO.:
MSD	413.86.01
DRAWING NO.:	

C-1A



**LEGEND**

- PROPERTY LINE
- ABUTTING PROPERTY LINE
- IRON PIN FOUND (AS NOTED)
- MONUMENT (AS NOTED)
- UTILITY POLE
- STONE WALL
- EXISTING TREE LINE
- EXISTING CONTOUR
- EXISTING OVERHEAD ELECTRIC & TELEPHONE
- PROPOSED CONTOUR
- PROPOSED OVERHEAD ELECTRIC & TELEPHONE
- PROPOSED TREELINE
- PROPOSED UTILITY POLE
- SILTATION FENCE

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

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**nest ASSOCIATES, INC.**  
engineers - architects - surveyors - construction managers

EST. PROJ. NO: 413.86.01

SITE NAME: RAYMOND  
SITE NUMBER: 853462  
ADDRESS: FARM ROAD RAYMOND, ME 04071  
DRAWING TITLE: SITE PLAN

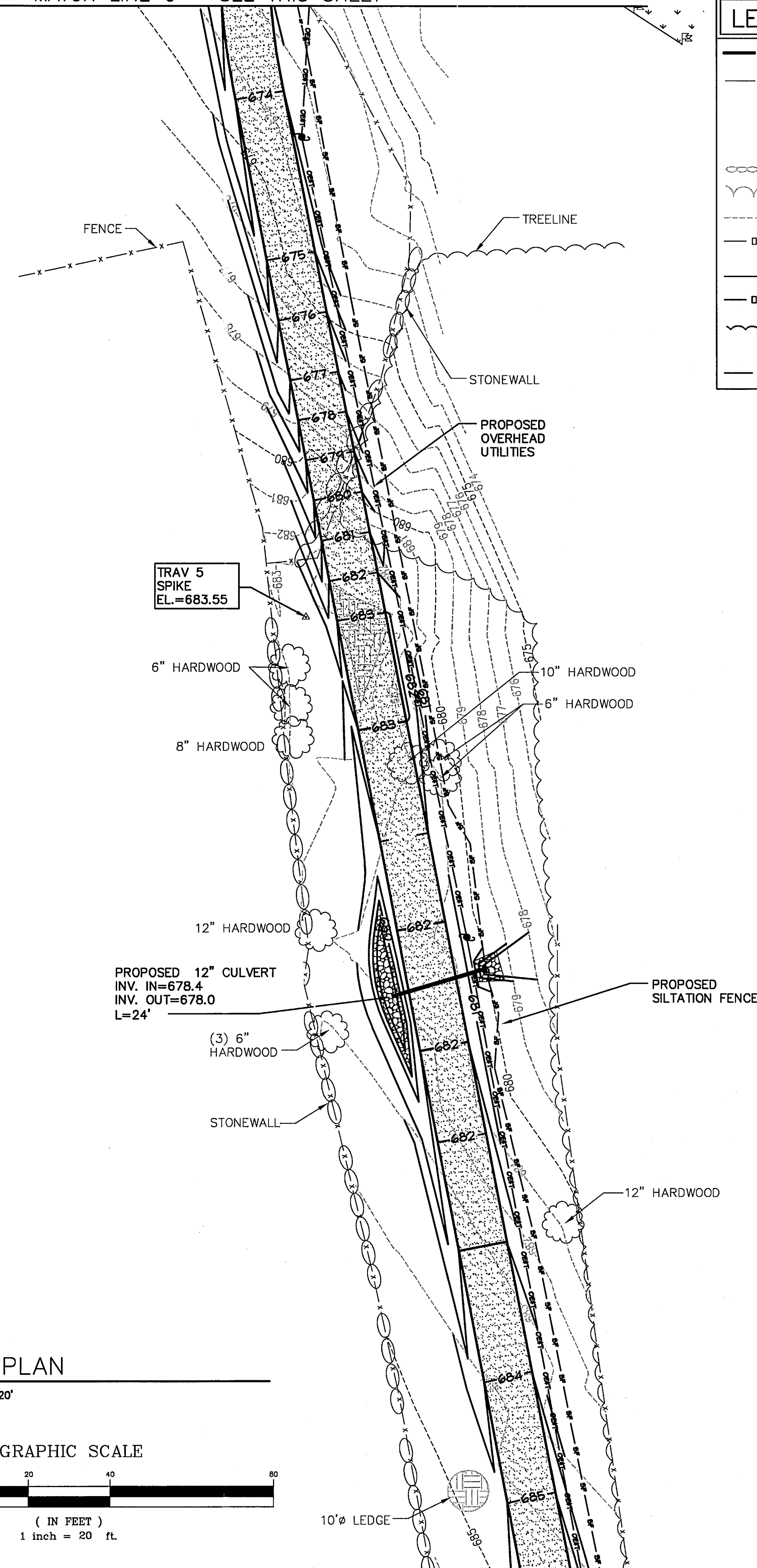
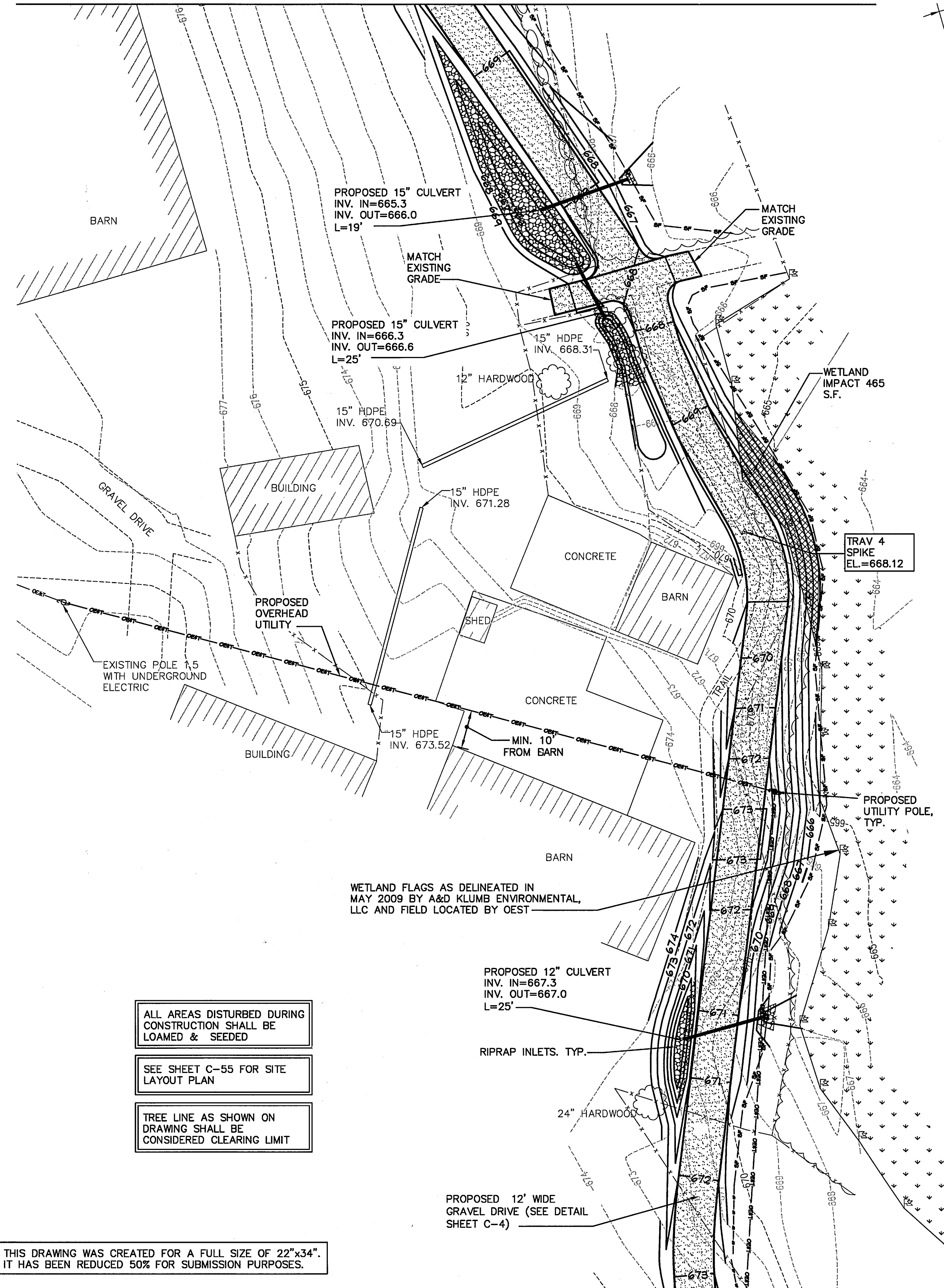
REVISIONS	
No.	DESCRIPTION
0	FOR CONSTRUCTION

DESIGNED BY: MSD  
DRAWN BY: CBM  
CHECKED BY: MSD  
DATE: 8/25/09  
SCALE: AS NOTED  
PROJECT NO.: 413.86.01  
DRAWING NO.: C-2

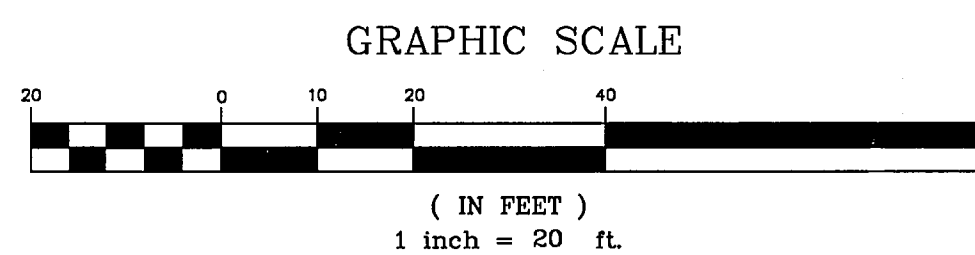
MATCH LINE B — SEE SHEET C-3

MATCH LINE C — SEE THIS SHEET

LEGEND	
---	PROPERTY LINE
---	ABUTTING PROPERTY LINE
○	IRON PIN FOUND (AS NOTED)
□	MONUMENT (AS NOTED)
○	UTILITY POLE
-----	STONE WALL
~~~~~	EXISTING TREE LINE
---	EXISTING CONTOUR
DE&T	EXISTING OVERHEAD ELECTRIC & TELEPHONE
---	PROPOSED CONTOUR
DE&T	PROPOSED OVERHEAD ELECTRIC & TELEPHONE
~~~~~	PROPOSED TREE LINE
○	PROPOSED UTILITY POLE
SF	SILTATION FENCE



1 SITE PLAN  
C-3 SCALE: 1"=20'



ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED & SEED

SEE SHEET C-55 FOR SITE LAYOUT PLAN

TREE LINE AS SHOWN ON DRAWING SHALL BE CONSIDERED CLEARING LIMIT

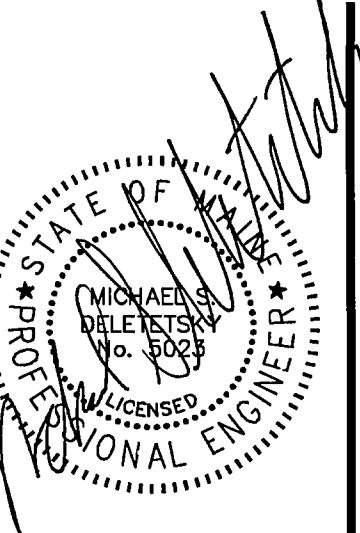
THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

MATCH LINE C — SEE THIS SHEET

MATCH LINE D — SEE SHEET C-4

RAYMOND, RAYMOND, REV. 0 8-25-09

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engineers • architects • surveyors • construction managers

OEST PROJ. NO: 413.86.01

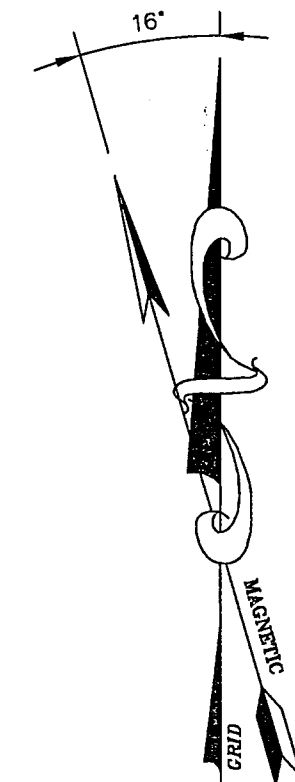
SITE NAME: RAYMOND	SITE NUMBER: 853462	ADDRESS: 19 FARM ROAD RAYMOND, ME 04071	DRAWING TITLE: SITE PLAN
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REVISIONS		
No.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	8/25/09

DESIGNED BY: MSD	DATE: 8/25/09
DRAWN BY: CBM	SCALE: AS NOTED
CHECKED BY: MSD	PROJECT NO.: 413.86.01
DRAWING NO.:	

C-3

MATCH LINE D - SEE SHEET C-3

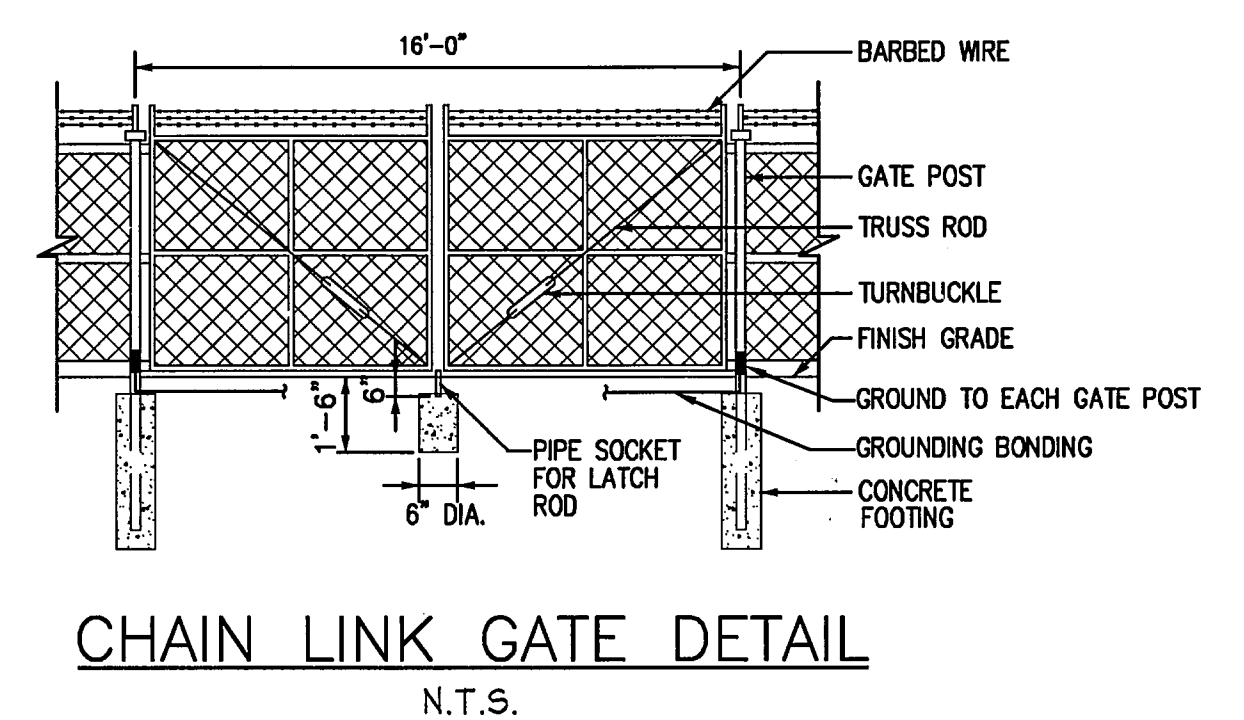
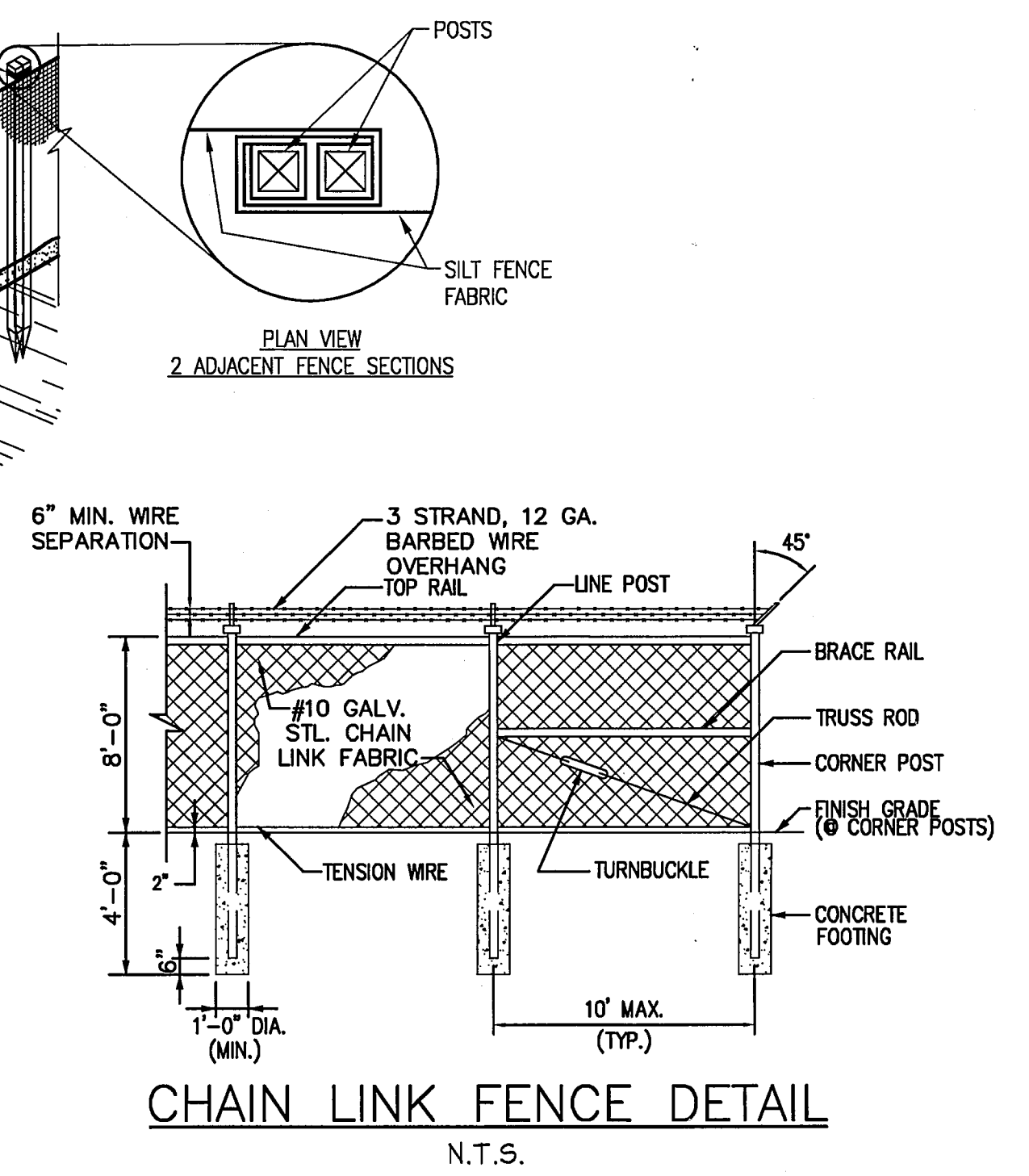
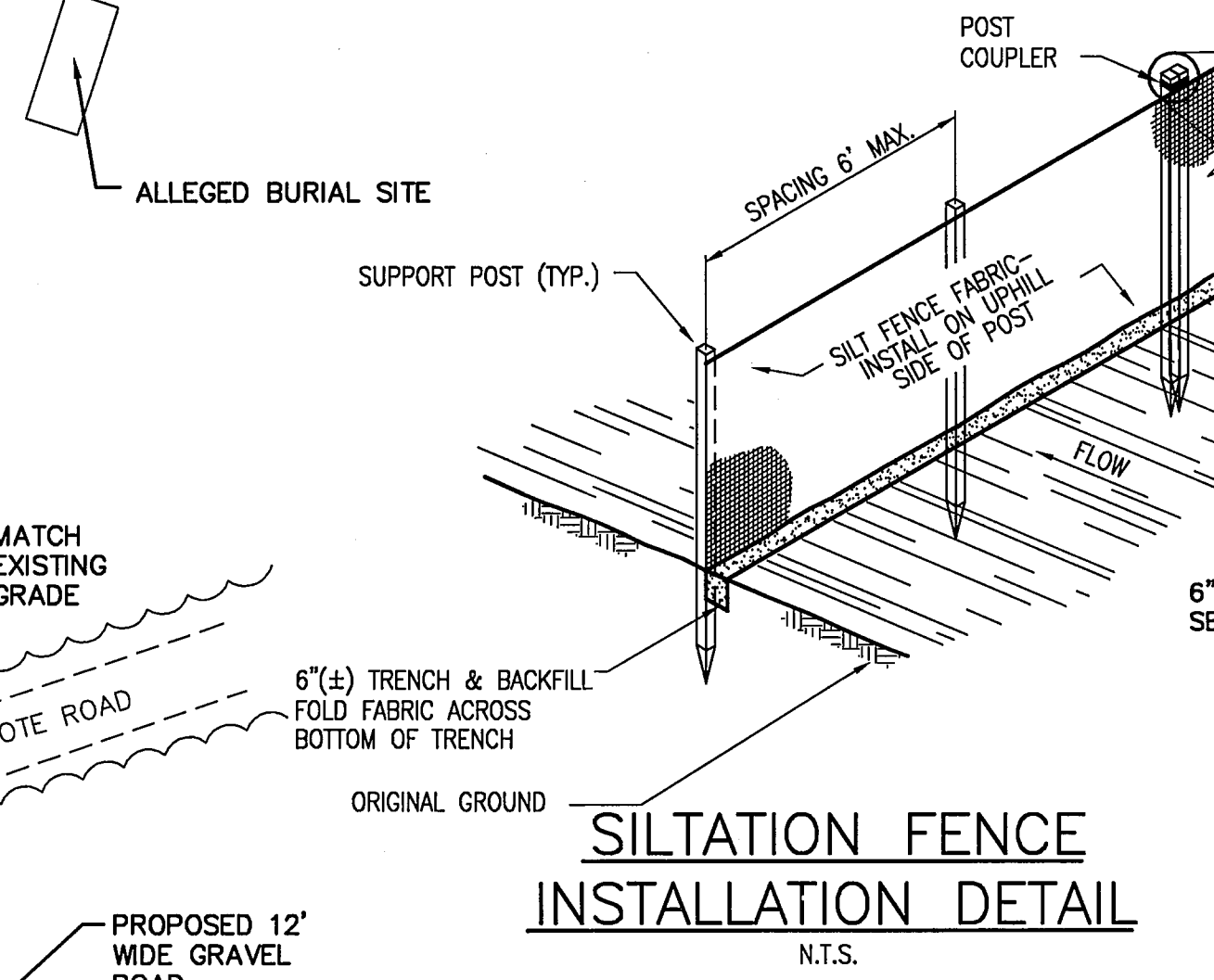
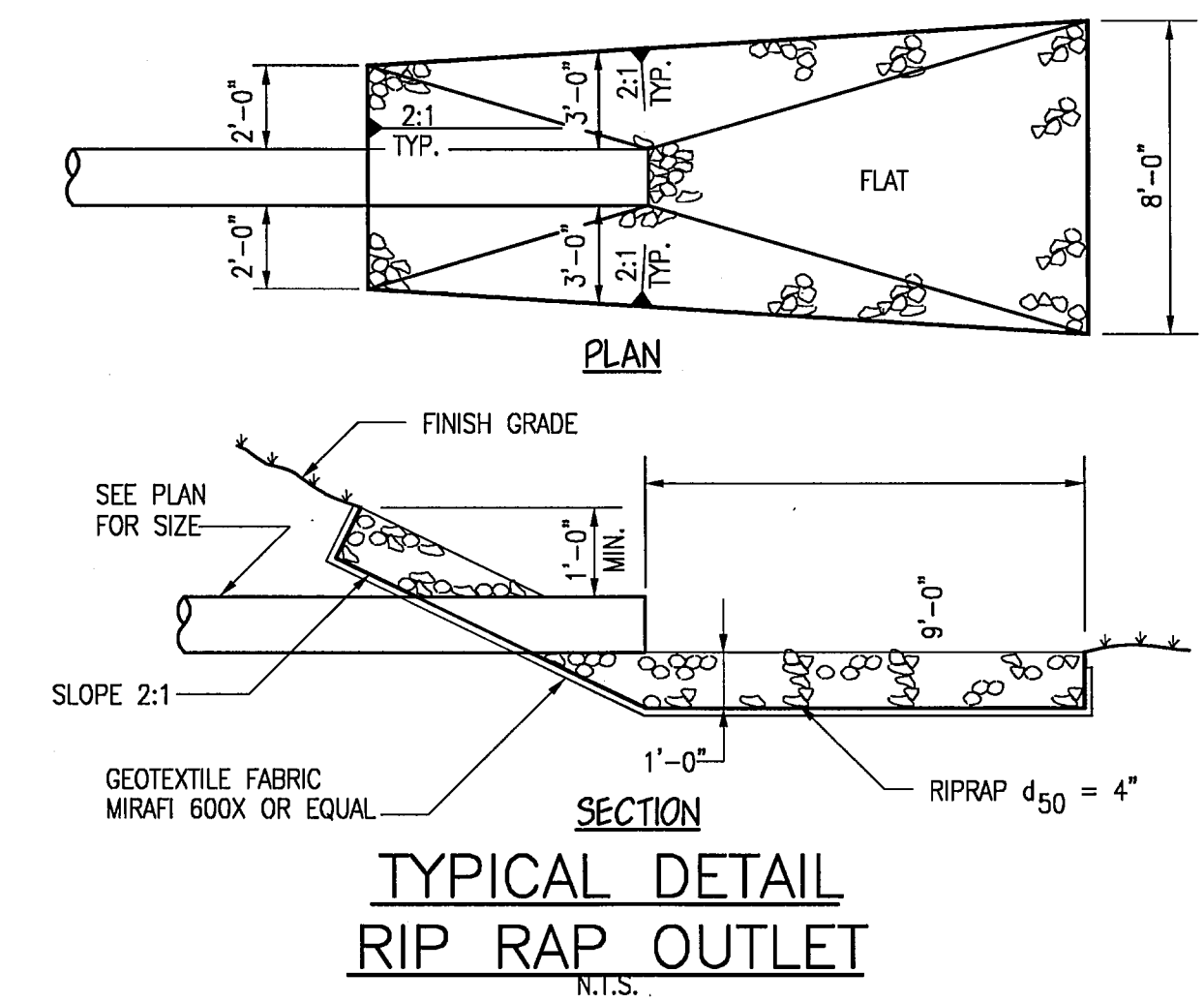
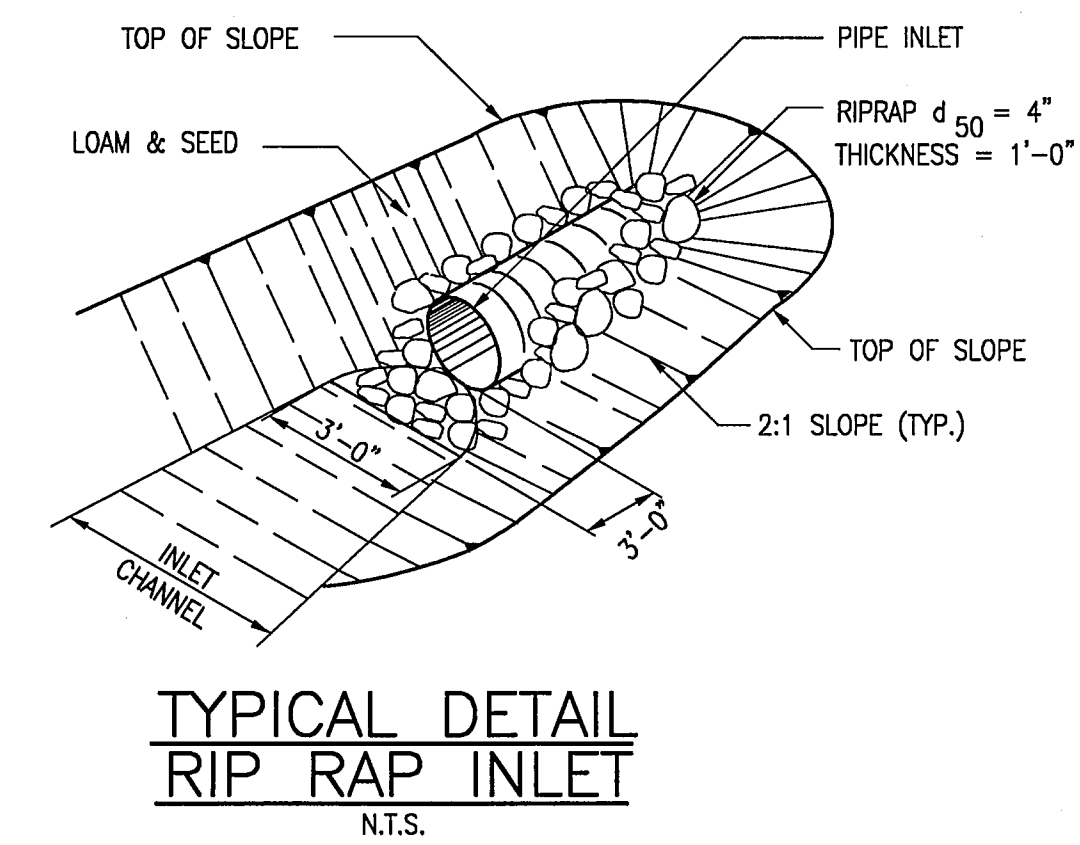
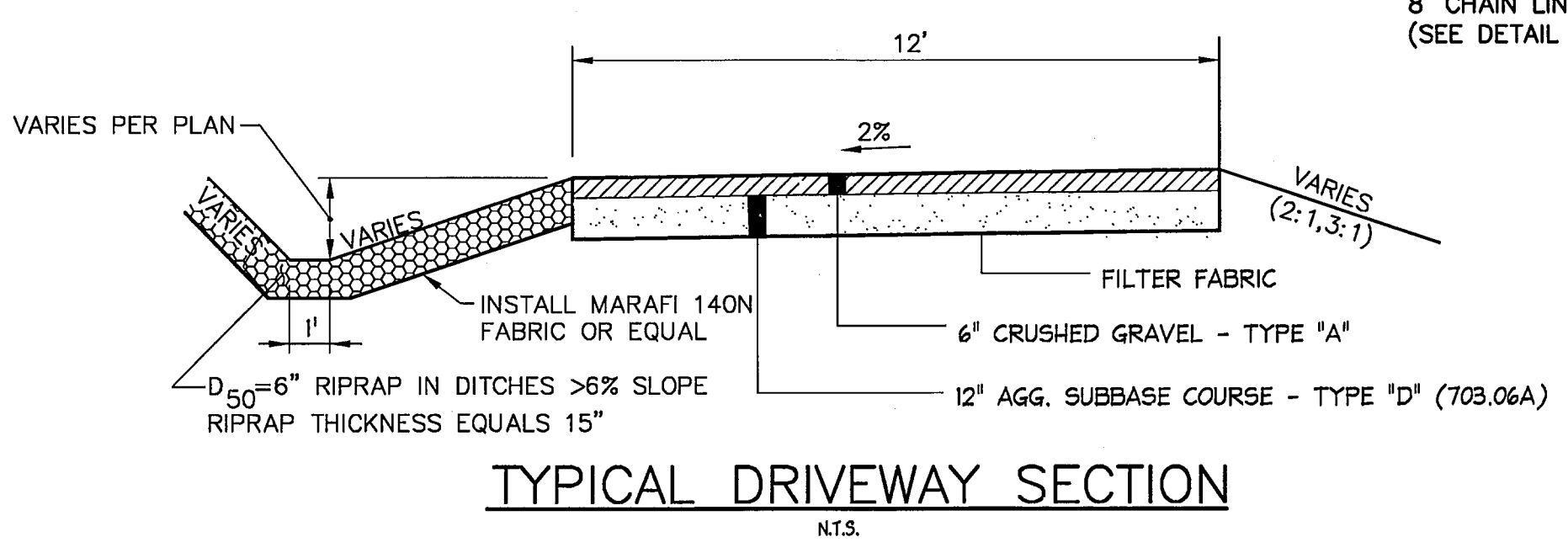
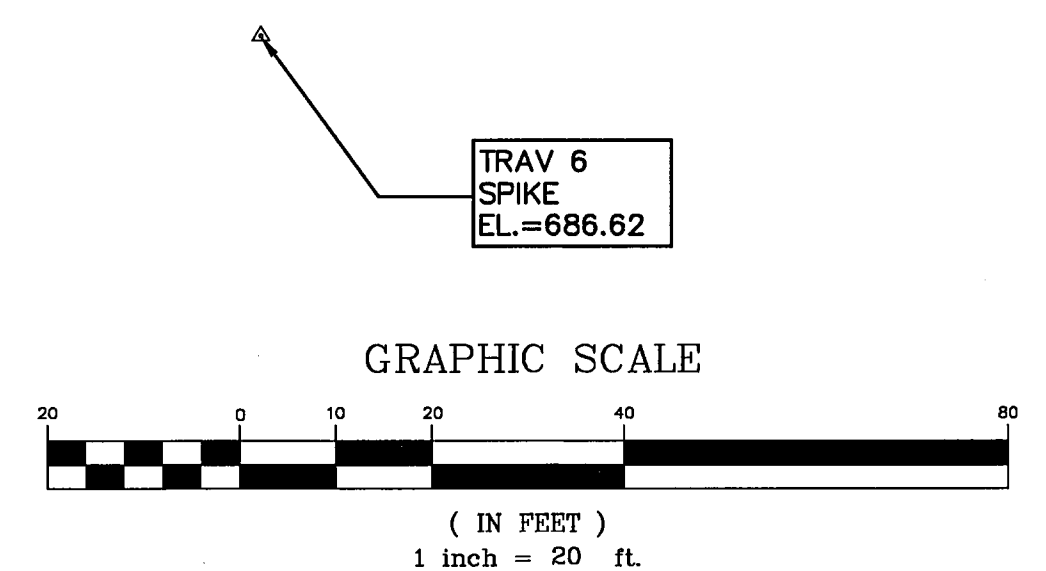


LEGEND	
---	PROPERTY LINE
---	ABUTTING PROPERTY LINE
○	IRON PIN FOUND (AS NOTED)
□	MONUMENT (AS NOTED)
○	UTILITY POLE
-----	STONE WALL
-----	EXISTING TREE LINE
-----	EXISTING CONTOUR
-----	EXISTING OVERHEAD ELECTRIC & TELEPHONE
-----	PROPOSED CONTOUR
-----	PROPOSED OVERHEAD ELECTRIC & TELEPHONE
-----	PROPOSED TREELINE
-----	PROPOSED UTILITY POLE
SF	SILTATION FENCE

ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED & SEED

SEE SHEET C-5 FOR SITE LAYOUT PLAN

TREE LINE AS SHOWN ON DRAWING SHALL BE CONSIDERED CLEARING LIMIT



**FENCE GROUNDING NOTES:**

1. FENCE SHALL BE GROUND TO THE FACILITY OR TOWER EXTERNAL GROUND RING (EGR) AT EACH CORNER ON INSIDE OF FENCING COMPOUND.
2. ALL ENTRY GATES SHALL BE BONDED TO THE MAIN FENCE ASSEMBLY BY A METAL STRAP.
3. TWO HOLE COMPRESSION LUGS CAN BE USED IN PLACE OF EXOTHERMIC WELDS DUE TO THINNESS OF METAL.

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1 SITE PLAN  
C-2 SCALE: 1"=20'

CENTER OF PROPOSED TOWER  
LATITUDE: 43° 56' 37.66" N  
LONGITUDE: 70° 25' 57.86" W  
GROUND EL.= 680.5±

100 Gannett Drive, Suite B, South Portland, ME 04106

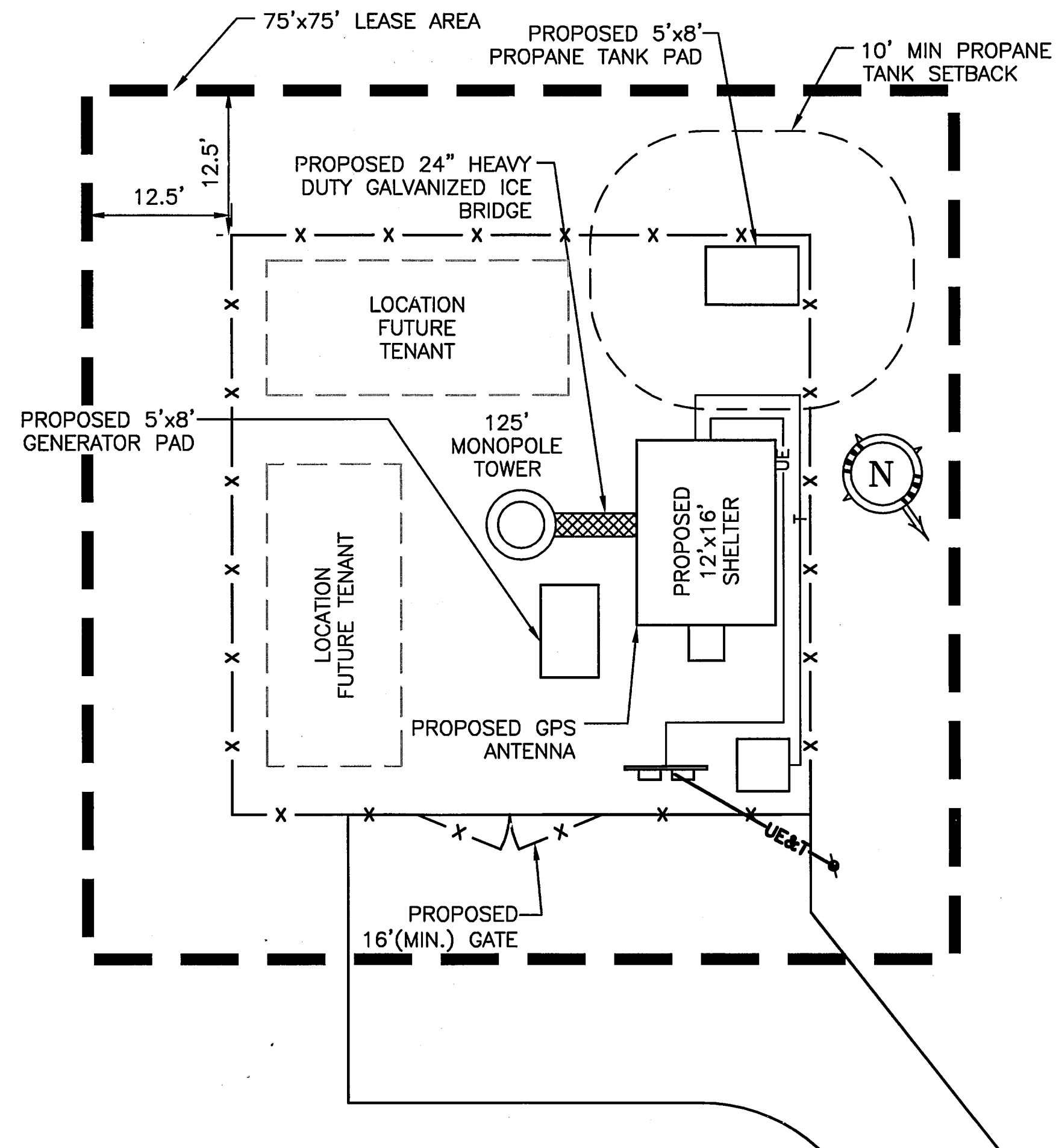
**neef ASSOCIATES, INC.**  
2000 Main Street, Suite 200, Portland, ME 04101  
engineers • architects • surveyors • construction managers

RAYMOND  
SITE NUMBER: 853462  
ADDRESS: 19 FARM ROAD  
RAYMOND, ME 04071  
DRAWING TITLE: SITE PLAN

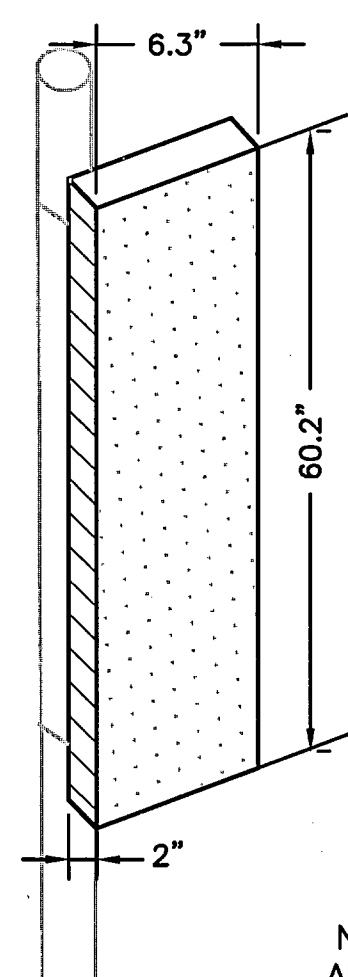
DESIGNED BY: MSD DATE: 8/25/09  
DRAWN BY: CBM SCALE: AS NOTED  
CHECKED BY: MSD PROJECT NO.: 413.86.01  
DRAWING NO.:

REVISIONS  
NO. DESCRIPTION DATE  
0 FOR CONSTRUCTION 8/25/09

C-4



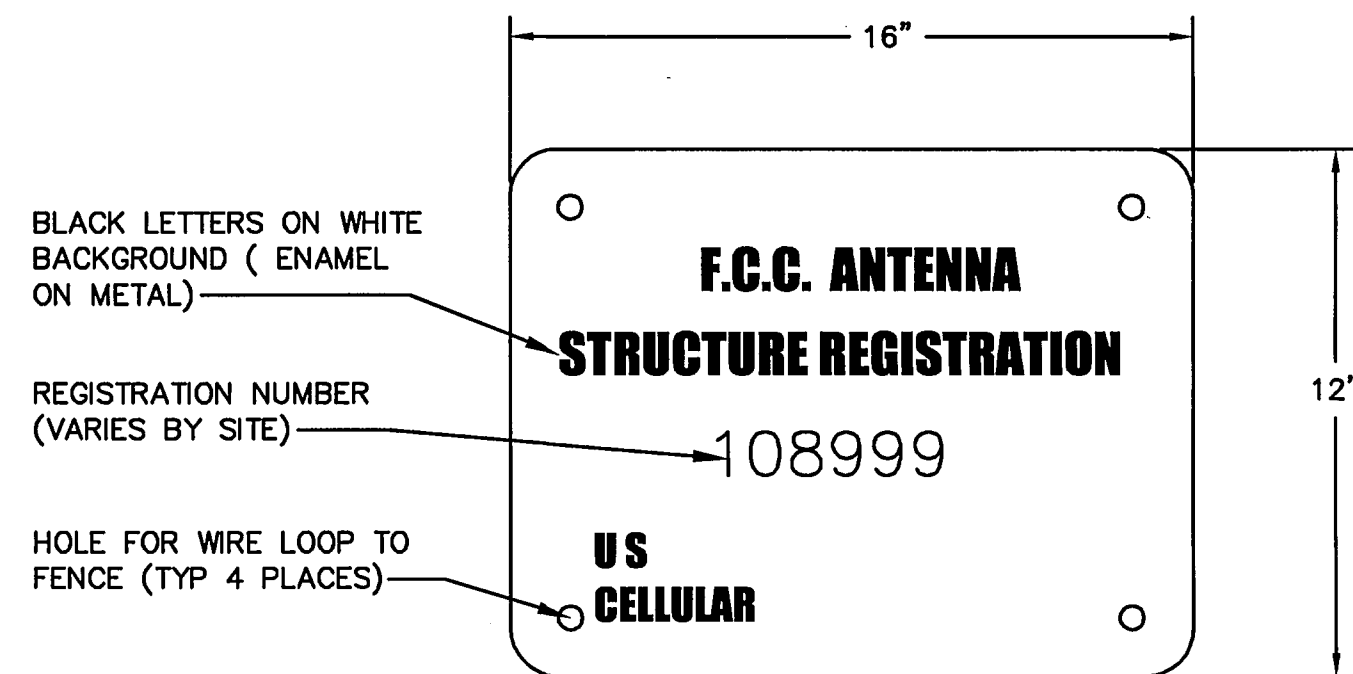
1  
C-3  
COMPOUND LAYOUT  
SCALE: N.T.S.



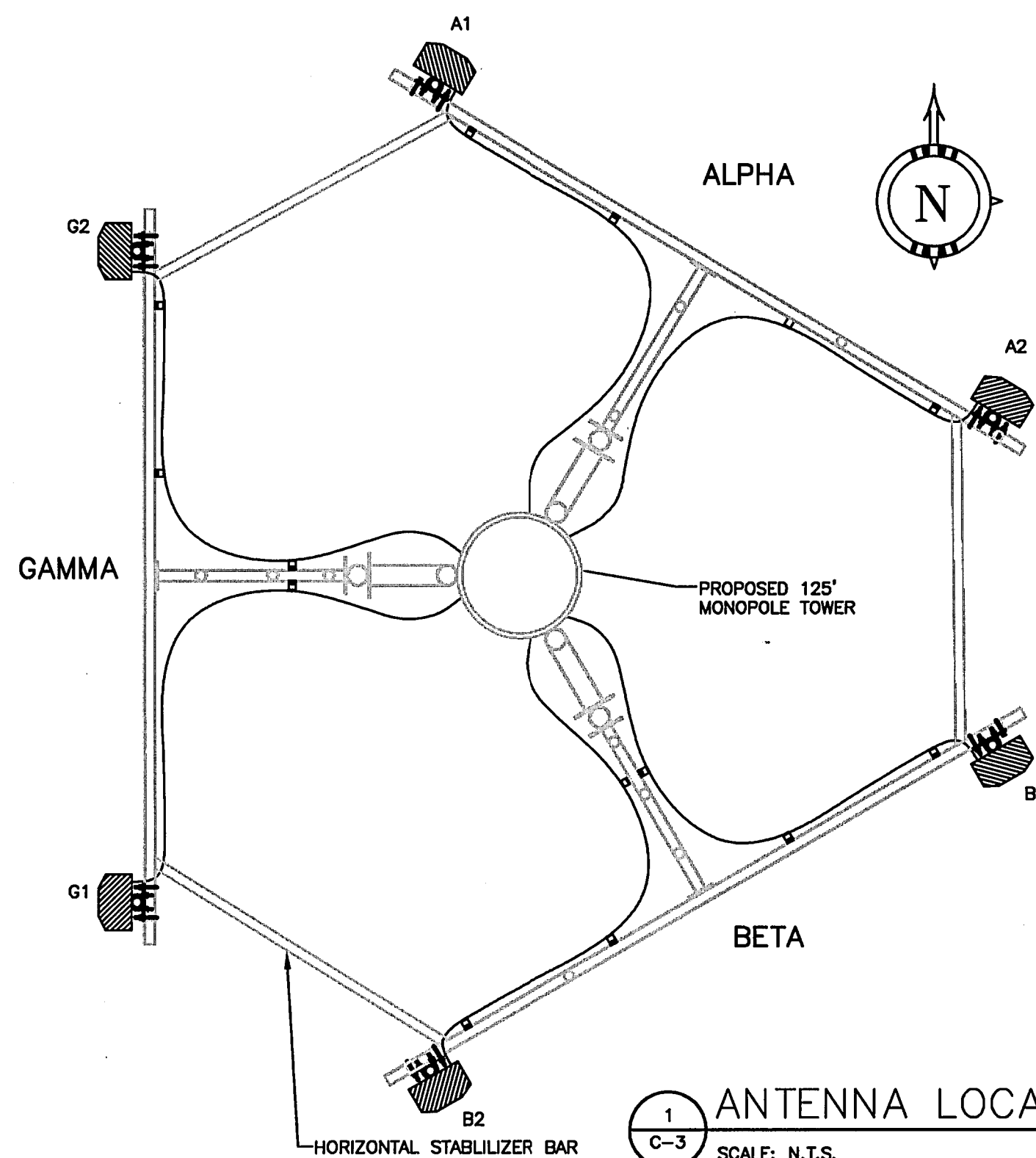
5  
C-3  
BSA-185065/10CF ANTENNA DETAIL  
SCALE: N.T.S.

NOTE:  
ANTENNA MASS IS .44 CUBIC FEET  
60.2" X 6.3" X 2" = 758.52 CUBIC INCHES  
758.52 CUBIC INCHES X 6 ANTENNA = 4551.12 CUBIC INCHES

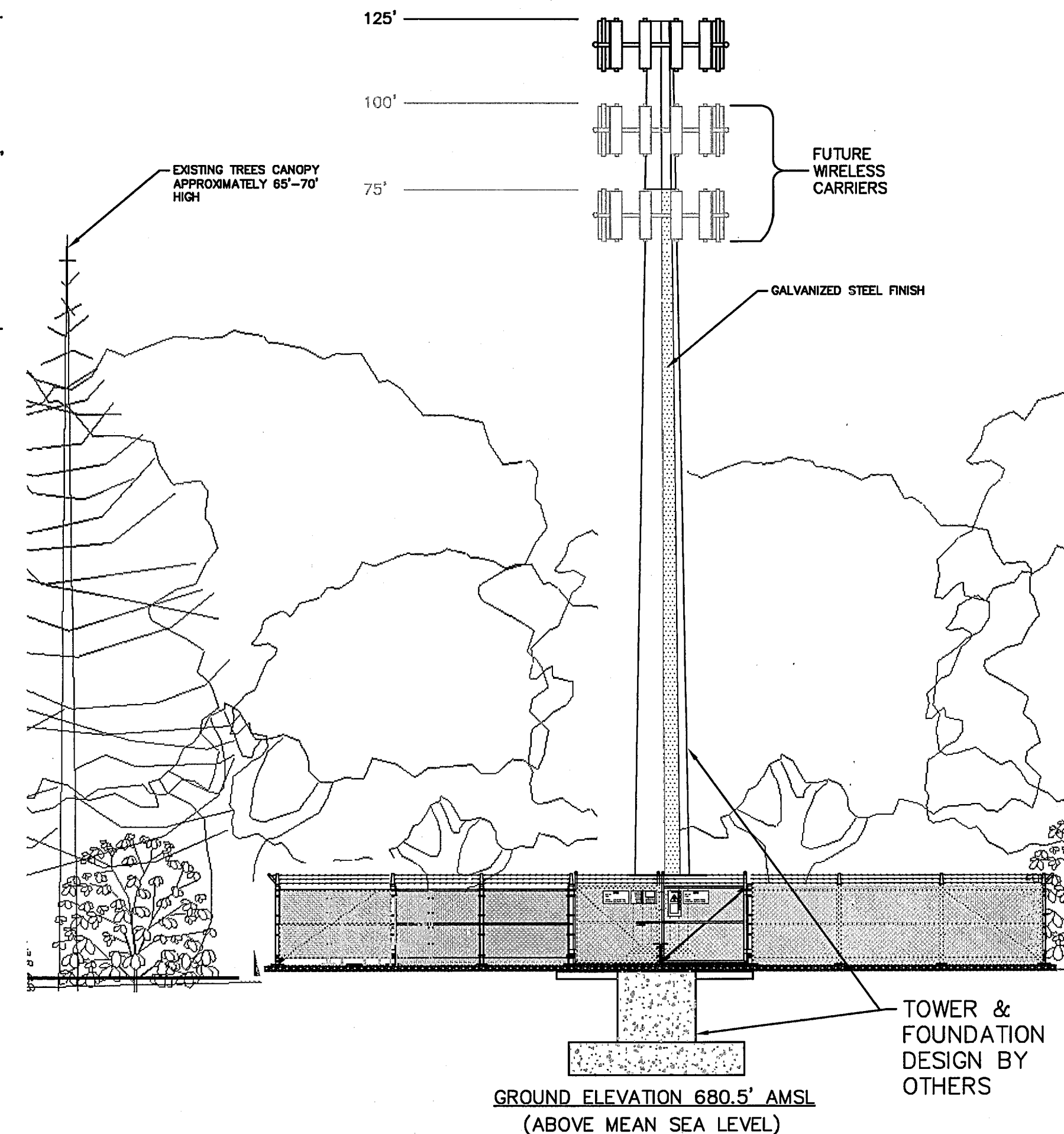
- GENERAL NOTES:
1. A 12"x16" SITE INFORMATION SIGN SHALL BE INSTALLED NEXT TO THE MAIN ENTRY GATE AT APPROX. 42" ABOVE GRADE. SEE DETAIL THIS SHEET.
  2. LIGHT ON THE SHELTER TO BE SHIELDED TO PREVENT LIGHT FROM A CAST THAT EXCEEDS THE AREA 0.5' INSIDE THE PARENT PARCEL
  3. QUAZITE STRONGWELL BOX MODEL PG4848Z511
  4. FACE OF METER TO BE A MINIMUM OF 3'-0" FROM FENCE.
  5. FIELD LOCATE GPS ANTENNA ON ICE BRIDGE.
  6. ALL FUTURE CONDUIT TO FOLLOW FENCE LINE.



4  
C-4  
SIGN DETAIL  
SCALE: N.T.S.



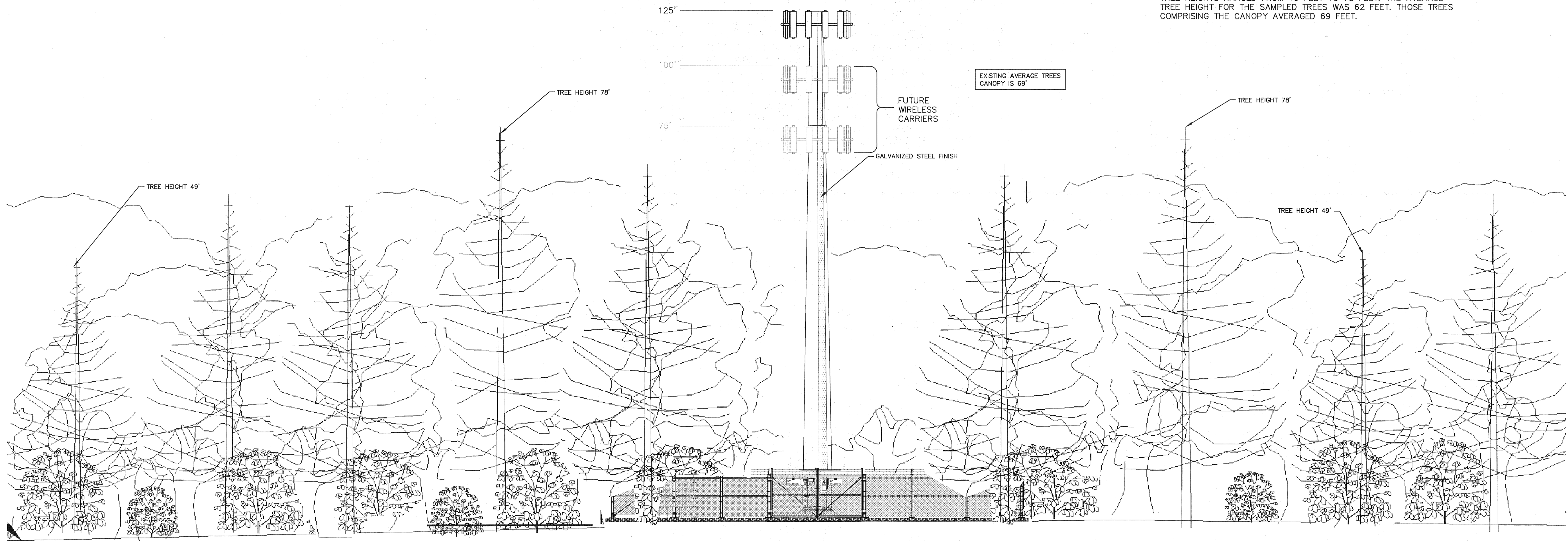
1  
C-3  
ANTENNA LOCATION PLAN  
SCALE: N.T.S.



2  
C-3  
PROPOSED TOWER ELEVATION  
SCALE: N.T.S.

ANTENNA AND COAXIAL CABLE SCHEDULE											
ANTENNA MARK	SECTOR	ANTENNA	WEIGHT	COAX CABLE FEED LOC	AZIMUTH (TRUE NORTH)	AZIMUTH (MAGNETIC NORTH)	TOP OF ANTENNA	COAXIAL CABLE LENGTH	COAXIAL CABLE	COLOR CODE	MECHANICAL DOWNTILT
A1	ALPHA	BSA-185065-10CF	9.1 LBS	BOTTOM	30°	46°	125'	160'	AWA7-50 1 5/8" ANDREW	R	0°
A2	1	BSA-185065-10CF	9.1 LBS	BOTTOM	30°	46°	125'	160'	AWA7-50 1 5/8" ANDREW	R(2X)	0°
B1	BETA	BSA-185065-10CF	9.1 LBS	BOTTOM	150°	166°	125'	160'	AWA7-50 1 5/8" ANDREW	W	0°
B2	2	BSA-185065-10CF	9.1 LBS	BOTTOM	150°	166°	125'	160'	AWA7-50 1 5/8" ANDREW	W(2X)	0°
G1	GAMMA	BSA-185065-10CF	9.1 LBS	BOTTOM	270°	286°	125'	160'	AWA7-50 1 5/8" ANDREW	B	0°
G2	3	BSA-185065-10CF	9.1 LBS	BOTTOM	270°	286°	125'	160'	AWA7-50 1 5/8" ANDREW	B(2X)	0°

REVISIONS		
No.	DESCRIPTION	DATE

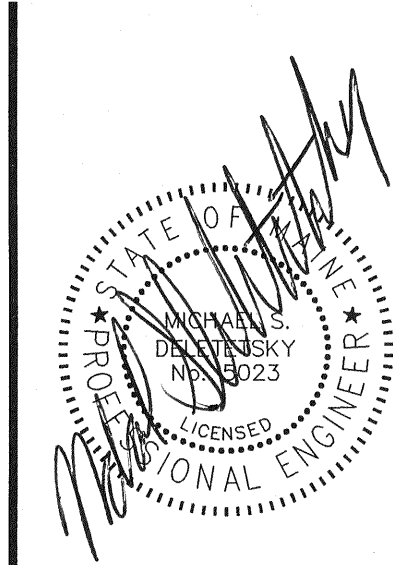


**NOTES:**

OEST ASSOCIATES MEASURED A SAMPLING OF MATURE TREES IN ALL FOUR QUADRANTS WITHIN 150 FEET OF THE PROPOSED TOWER. TREE HEIGHTS WERE MEASURED USING EITHER A SUUNTO CLINOMETER OR A TOTAL STATION SOKKIA 3110 (ELECTRONIC DISTANCE METER) IN MAY 2009.

TREE HEIGHTS RANGED FROM 49 FEET TO 78 FEET. THE AVERAGE TREE HEIGHT FOR THE SAMPLED TREES WAS 62 FEET. THOSE TREES COMPRISING THE CANOPY AVERAGED 69 FEET.

2 VEGETATION PROFILE  
C-3 SCALE: N.T.S.

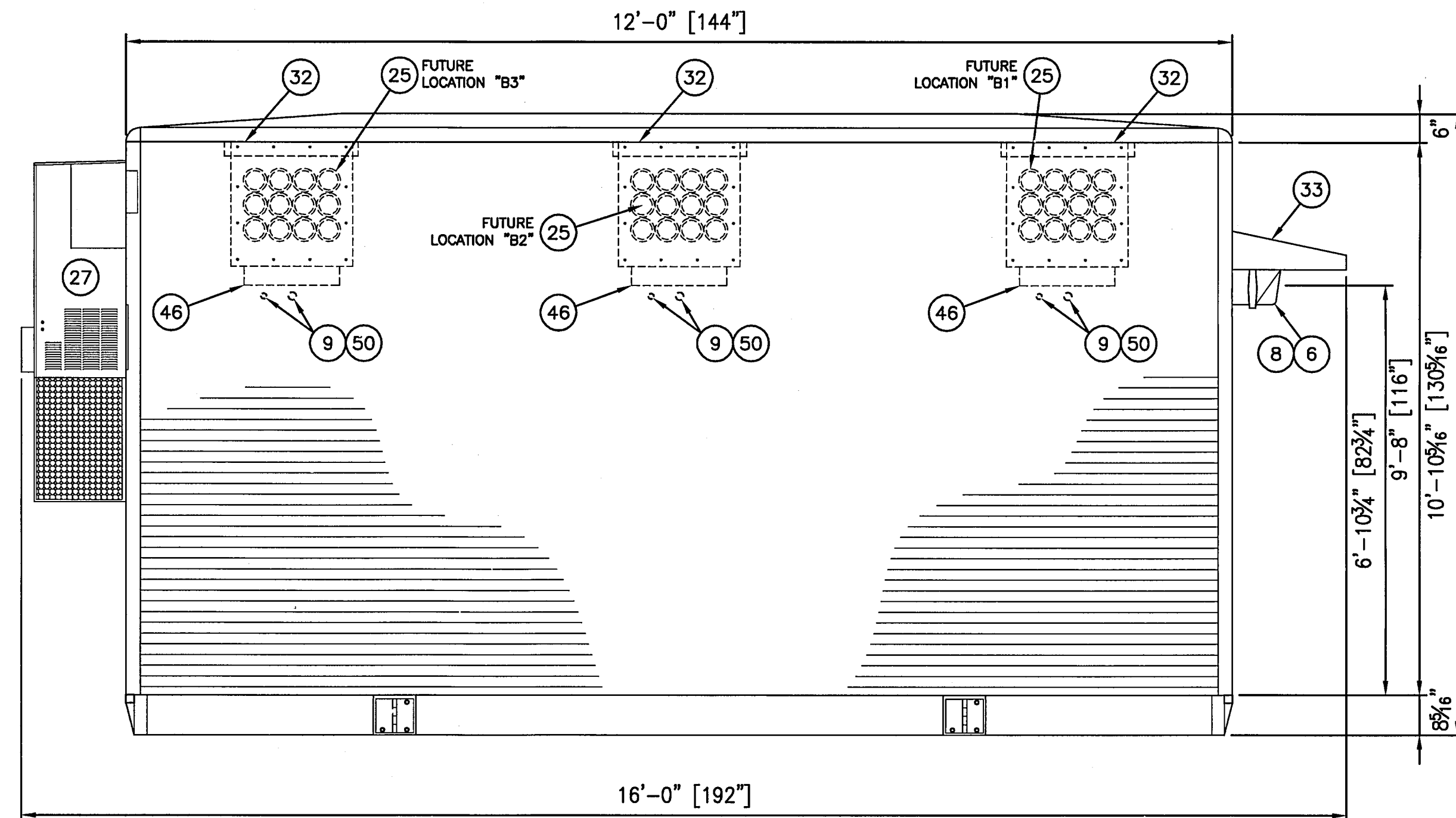


**oest ASSOCIATES, INC.**  
engineers - architects - surveyors - construction managers  
OEST PROJ. NO: 413.86.01

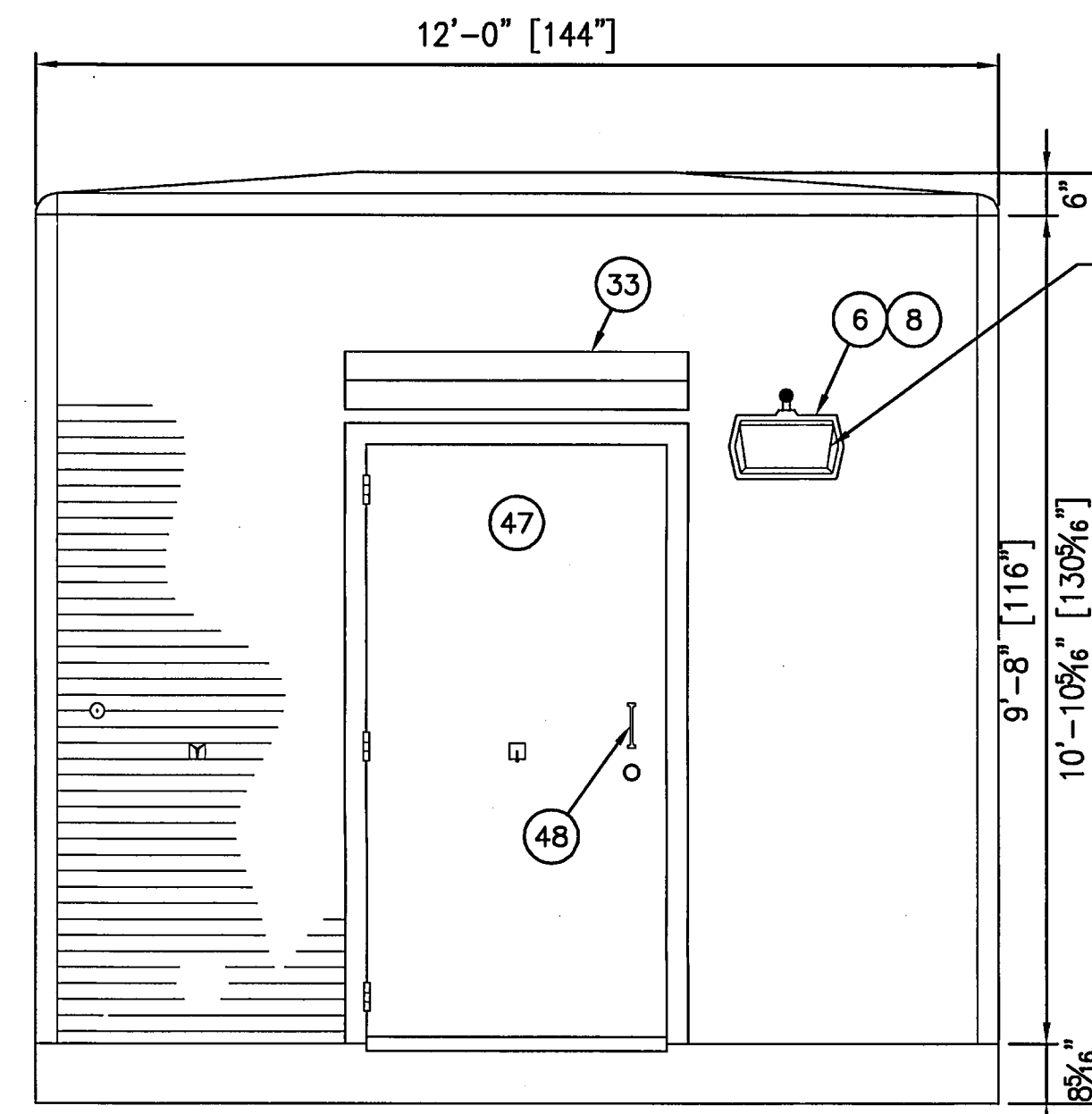
SITE NAME: RAYMOND  
SITE NUMBER: 853462  
ADDRESS: 19 FARM ROAD  
RAYMOND, ME 04071  
DRAWING TITLE: VEGETATION PROFILE

REVISIONS		
No.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	10/14/10

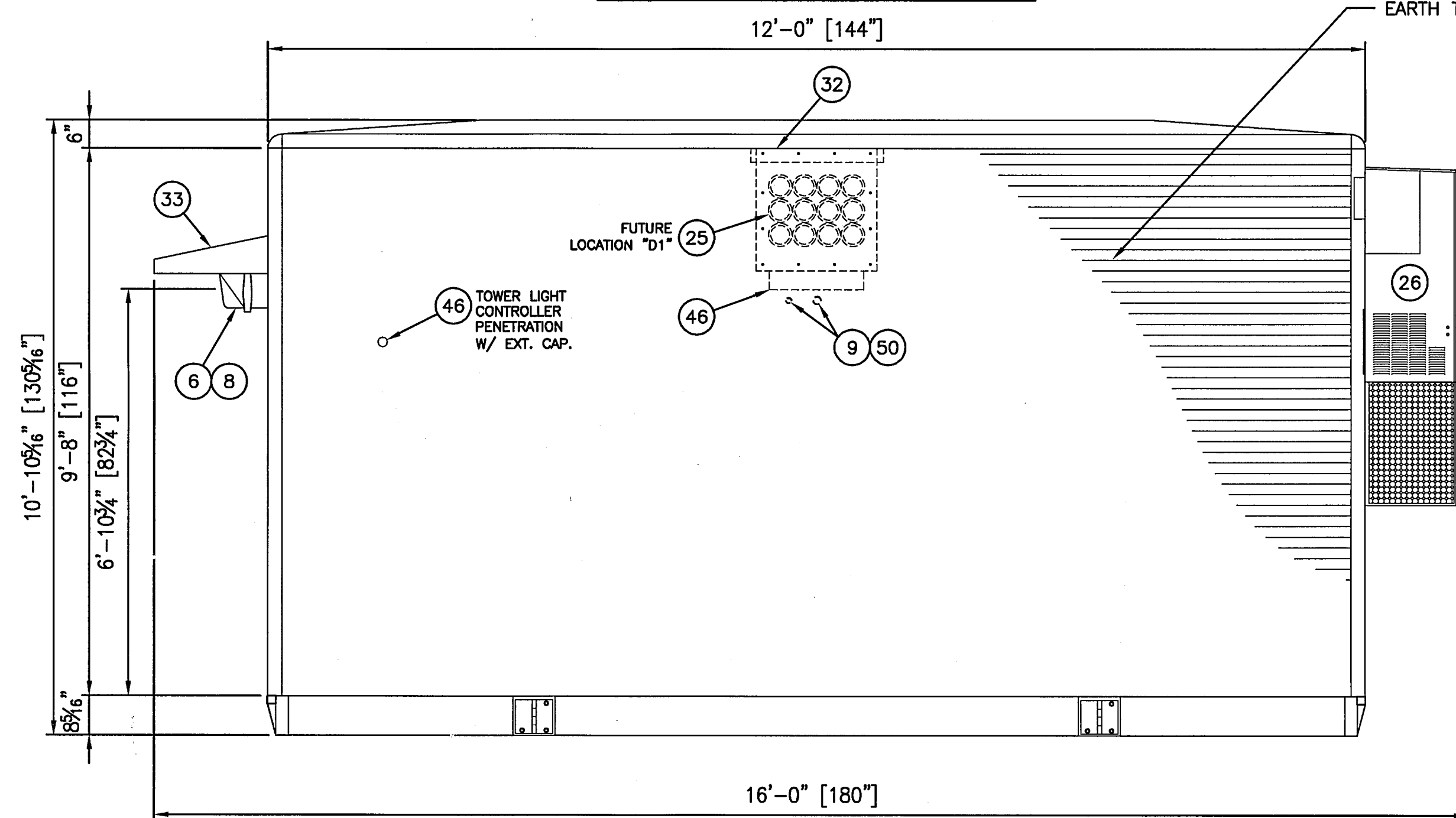
DESIGNED BY: MSD DATE: 10/14/10  
DRAWN BY: CBM SCALE: AS NOTED  
CHECKED BY: MSD PROJECT NO: 413.86.01  
DRAWING NO: C-6



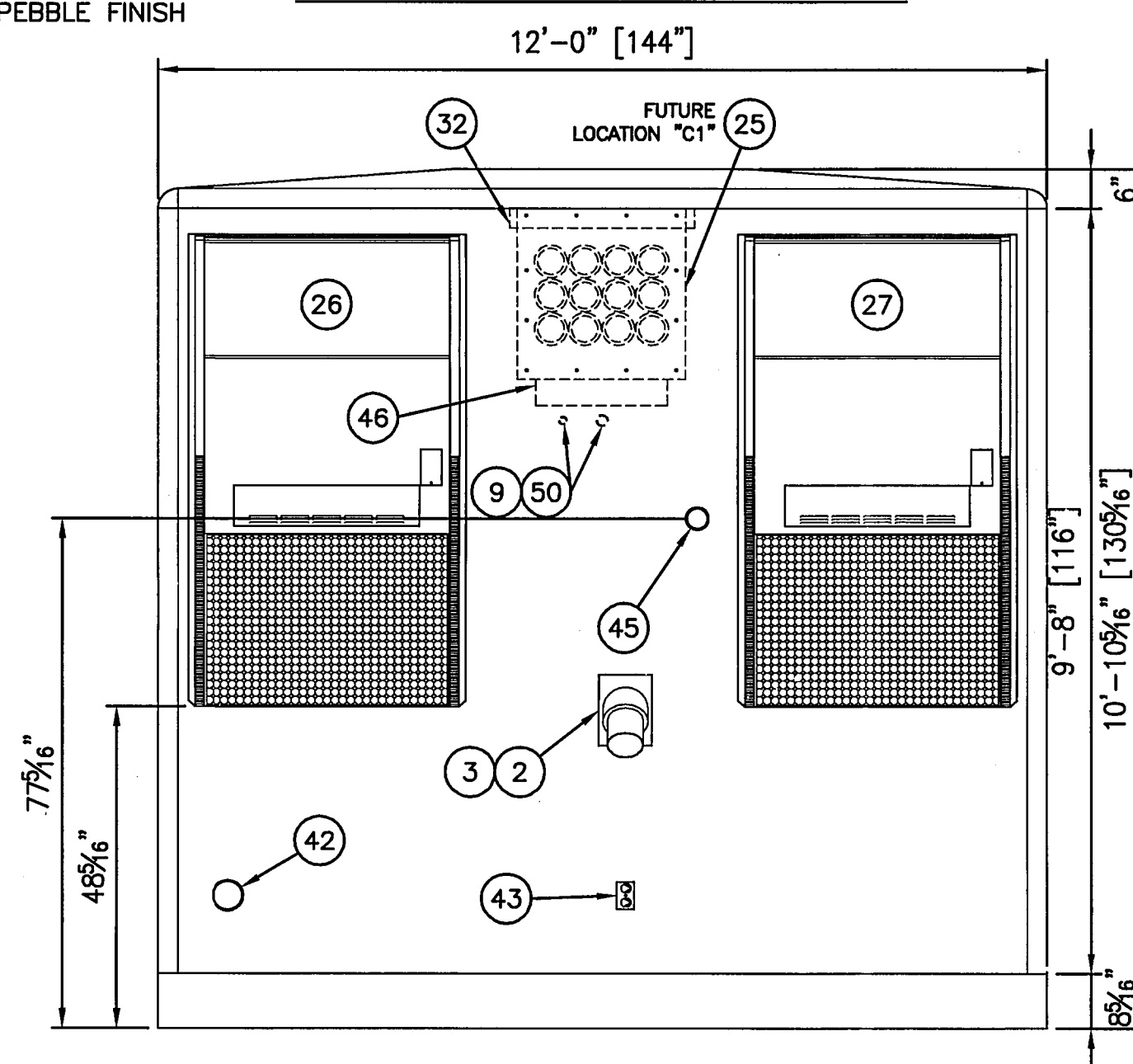
EXTERIOR ELEVATION WALL 'B'



EXTERIOR ELEVATION WALL 'A'



EXTERIOR ELEVATION WALL 'D'

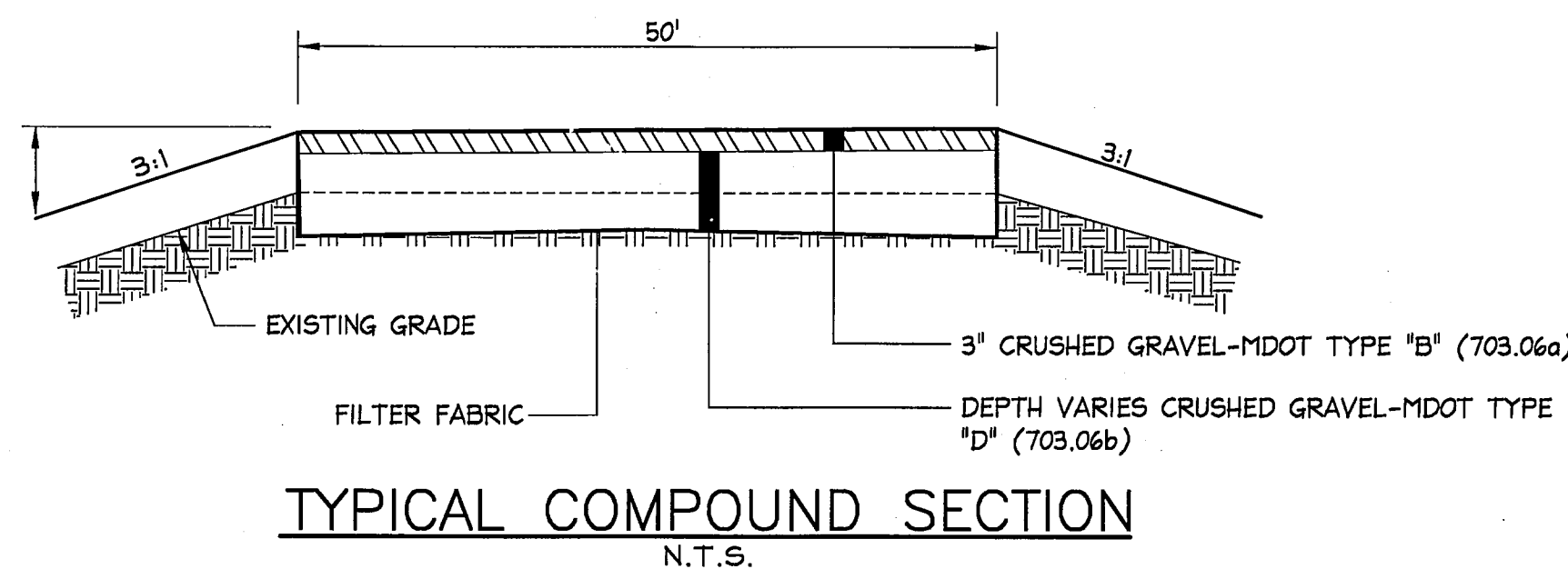


EXTERIOR ELEVATION WALL 'C'

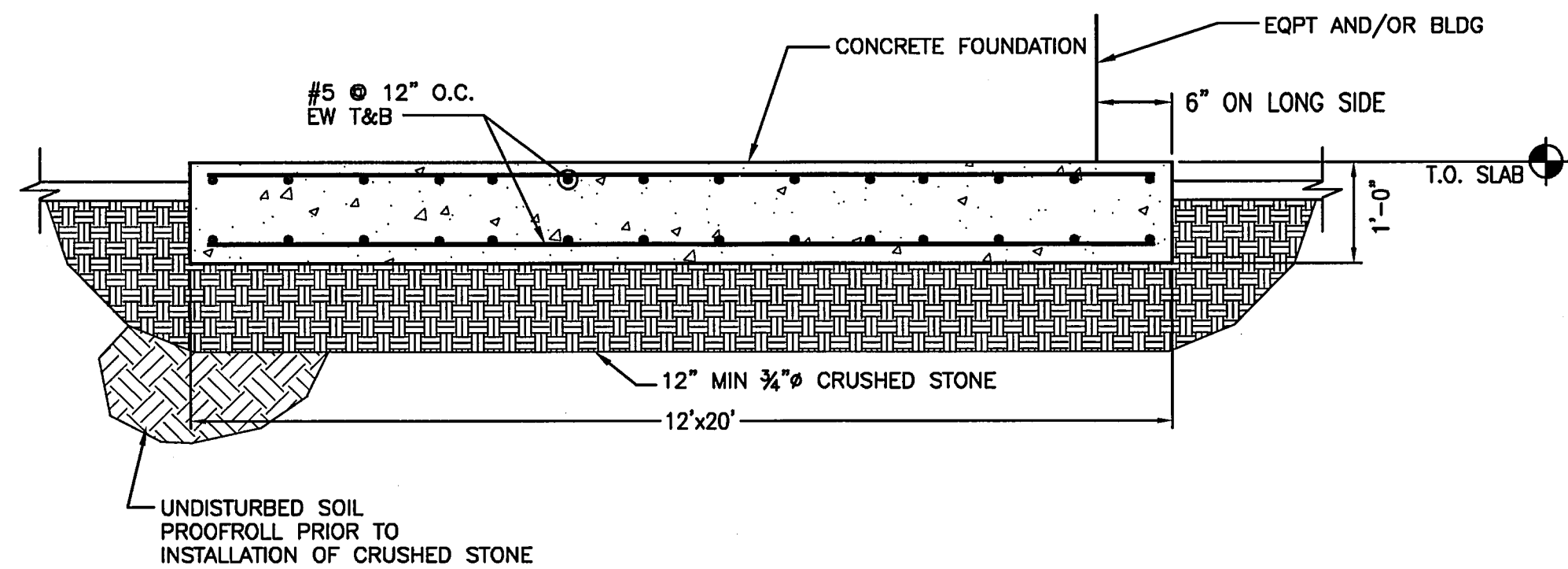
MOTION DETECTOR OPERATOR 100  
WATT LIGHT WITH DOWNWARD  
REFLECTOR SHIELD

ITEM LIST				
NO.	QNT	U/M	PART NO.	DESCRIPTION
1	130	FT	01050200013	WIRE #2/0 GREEN THNN STRANDED FOR HALO GROUND W/ (4) EXIT DROPS
2	1	EA	01061000012	BACKBOX 60/100A CROUSE HINDS #AJ56
3	1	EA	01061000025	GENERATOR RECEPTACLE 100A 3WP CROUSE HINDS #AR1031-S22
4	1	EA	01070600001	BOX 6"x6"x4" NEMA 1 WITH SCREW COVER
5	1	EA	01080000010	SWITCH MAGNETIC DOOR ALARM SPDT EDWARDS #61
6	1	EA	01082500009	PHOTOCELL EXTERIOR MOUNTED SWIVEL #K-4221
7	4	EA	01090100020	LIGHT FIXTURES 4ft METALUX #MWR240A120VLE3-PEP
8	1	EA	010902000073	LIGHT FIXTURE EXTERIOR HPS 100W 120V LUMARK #PS10
9	2	EA	01130300007	NIPPLE RIGID 3/4"x4.5" GALV. CONDUIT
10	1	EA	01200300001	T-STAT 30-100° F 1HP DAYTON #2E206 - HIGH TEMP ALARM
11	1	EA	01200300001	T-STAT 30-100° F 1HP DAYTON #2E206 - LOW TEMP ALARM
12	1	EA	01200300002	T-STAT 42-88° F ELECTROMECHANICAL - HVAC #1
13	1	EA	01200300002	T-STAT 42-88° F ELECTROMECHANICAL - HVAC #2
14	49	FT	01230600311	CABLE LADDER 12"x116.5" ZINC
15	6	FT	01230600312	CABLE LADDER 6"x116.5" ZINC
16	1	EA	01230600365	CABLE LADDER, HORIZONTAL 90° BEND - (C/S)
17	1	EA	01230600366	CABLE LADDER, VERTICAL 90° BEND - (C/S)
18	2	EA	01230600087	CABLE LADDER, Y-JUNCTION - (C/S)
19	1	EA	01232600003	GROUND BAR 1/4"x2"x14" W/ CADWELDED #2 BARE SOLID WIRE
20	1	EA	01232600004	GROUND BAR 1/4"x4"x20" - SQUARE HOLES
21	1	EA	01252300017	66 BLOCK 50PR W/2 FEMALE CONNECTORS - (C/S)
22	1	EA	01272000032	LOADCENTER, 30SP, 200A, XFER, TVSS, NORTHERN TECHNOLOGIES - (C/S)
23	1	EA	01320300039	SMOKE DETECTOR SENTROL #449CSRT
24	1	EA	01332300006	FLAT BRAIDED #10 AWG STRAP
25	1	EA	15231400109	WAVEGUIDE 12 PORT 4" DIA. #B1118
26	1	EA	17023600024	HVAC #1 - 3-TON, 10KW, 1P, EUBANKS - ECON READY
27	1	EA	17023600025	HVAC #2 - 3-TON, 10KW, 1P, EUBANKS - WITH ECON
28	1	EA	28000100130	DOCUMENT HOLDER FOR MANUAL
29	1	EA	83001500160	LABEL - ELECTRICAL DATA PLATE - INTERIOR
30	1	EA	83001500358	LABEL - BUILDING I.D. PLATE - EXTERIOR
31	1	EA	83001500361	LABEL - QC DATA PLATE - INTERIOR
32	1	EA	100-00020	ICE BRIDGE SUPPORT ANGLE
33	1	EA	200-00002-2	DOOR RAINSHIELD 48" - BROWN
34	1	EA	300-00006	BATTERY FEET INSTALLATION
35	0.5	EA	304-00007-1	TELCO BOARD 4FTx4FT WHITE STUCCO COIL
36	9	EA	400-00005	CABLE LADDER SUPPORT KITS
37	3	EA	401-00002	4x4 JB WITH DUPLEX RECEPTACLE
38	8	EA	401-00006	4x4 JB WITH BLANK COVER
39	4	EA	401-00007	4x4 JB WITH 1/2"x4.5" RIGID NIPPLE
40	2	EA	401-00008	4x4 JB WITH 3/4"x4.5" RIGID NIPPLE
41	1	EA	401-00010	4"x4.5" RIGID NIPPLE TELCO ENTRY
42	1	EA	401-00027	EXTERIOR GFCI RECEPTACLE
43	3	EA	401-00029	4x4 JB WITH SINGLE DEVICE COVER
44	2	EA	401-00036	2"x4.5" RIGID NIPPLE SERVICE ENTRY
45	1	EA	401-00060	EXTERIOR GROUND BAR
46	1	EA	801-42840	DOOR/DOOR FRAME 3'-6" x 7'-0"
47	1	EA	-	DOOR HARDWARE
48	1	EA	03090800010	CAP 1/2" BLACK IRON SCHEDULE 40
49	2	EA	03091200010	CAP 3/4" BLACK IRON SCHEDULE 40
50	1	EA	401-00041	4x4 JB WITH SINGLE SWITCH
51	2	EA	401-00002	4x4 JB WITH DUPLEX RECEPTACLE
52	2	EA	01230600350	CABLE LADDER CEILING HANGER BRACKET #CHB11

GENERAL NOTE:  
CONTRACTOR SHALL FIELD LOCATE AND CORE HOLES FOR PERMANENT GENERATOR HOOK UP  
AS REQUIRED.

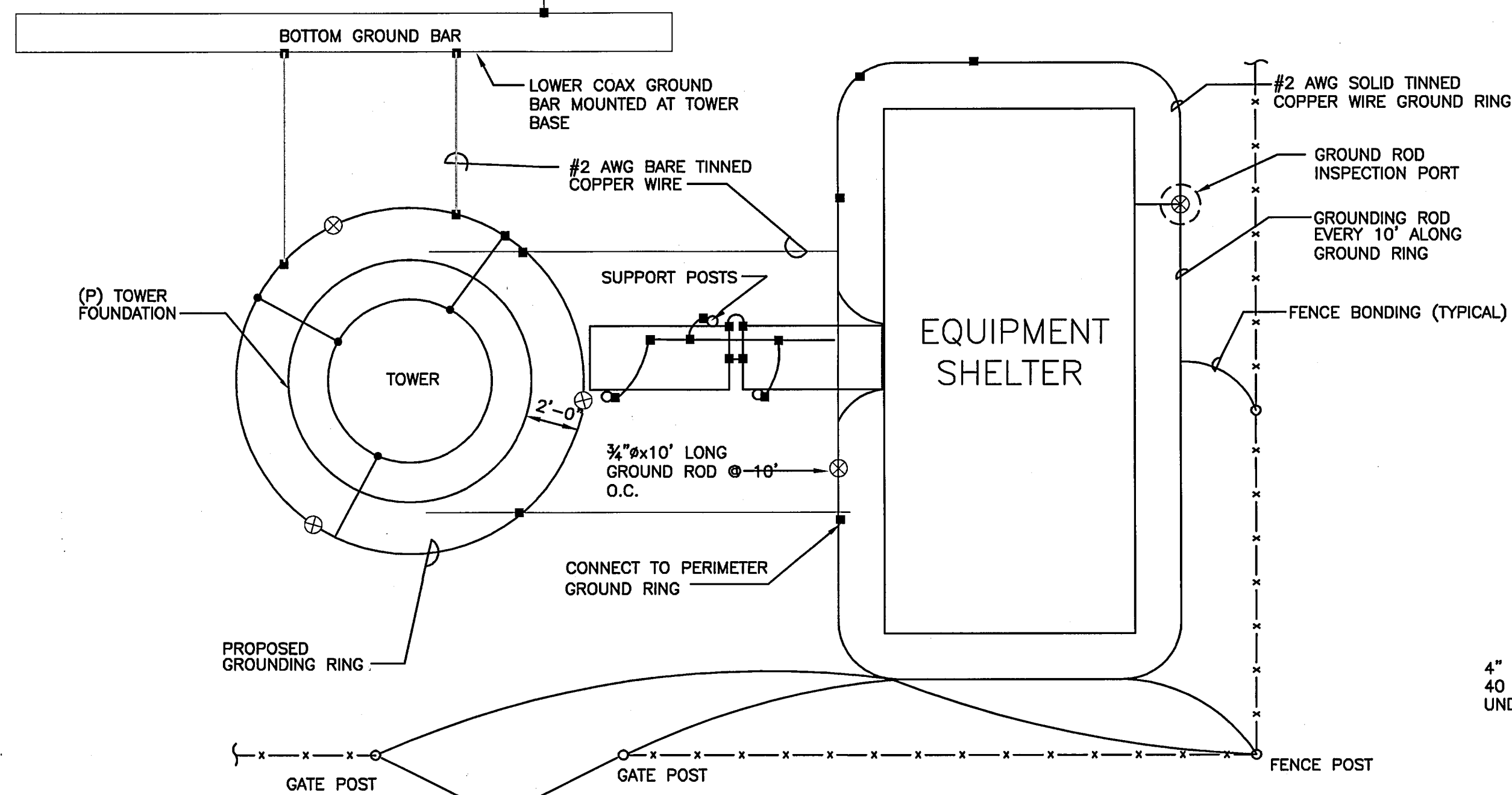
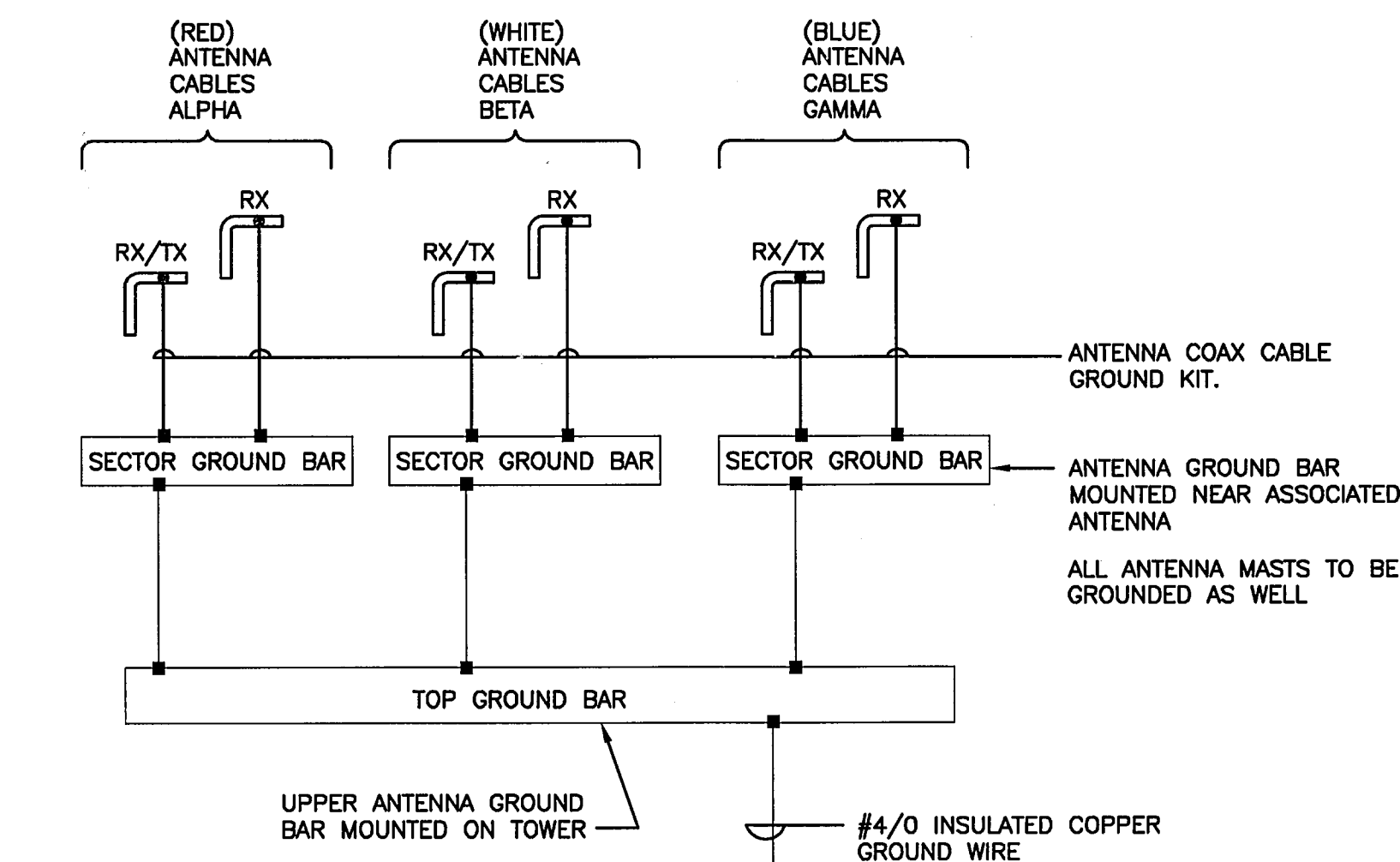


TYPICAL COMPOUND SECTION  
N.T.S.



TYPICAL EQUIPMENT SHELTER FOUNDATION DETAIL

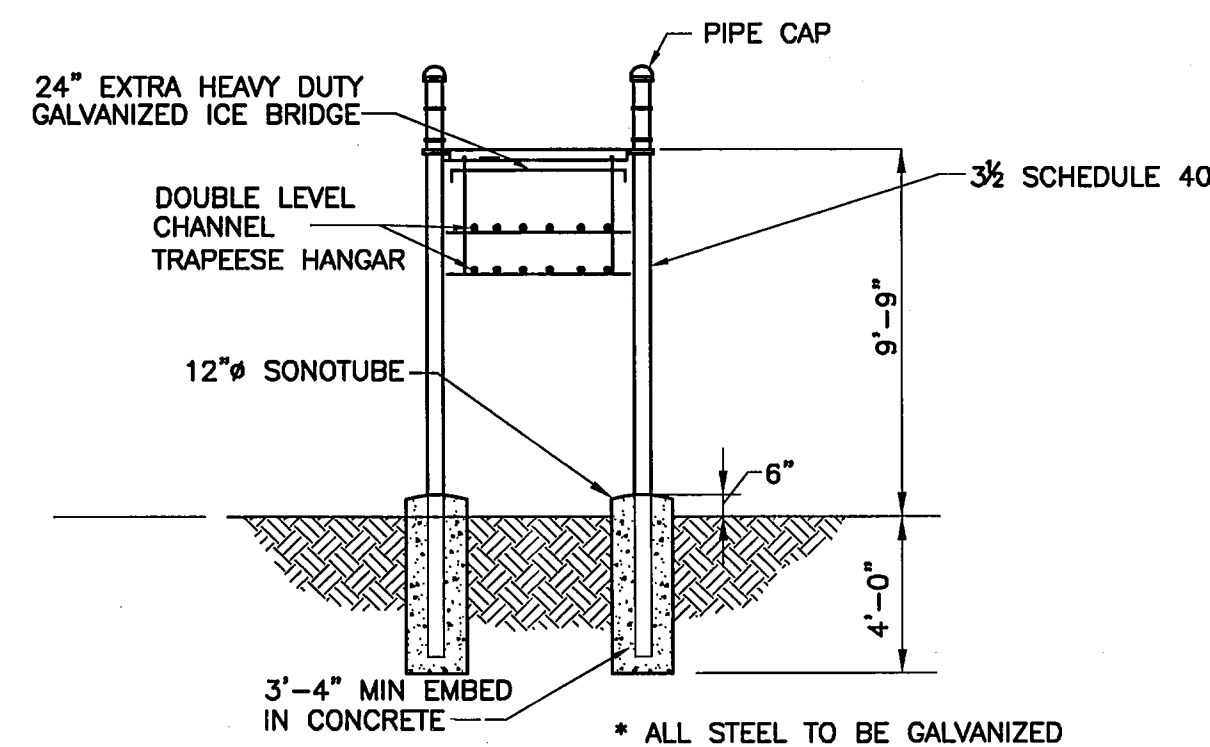
N.T.S.



GROUND RISER DIAGRAM

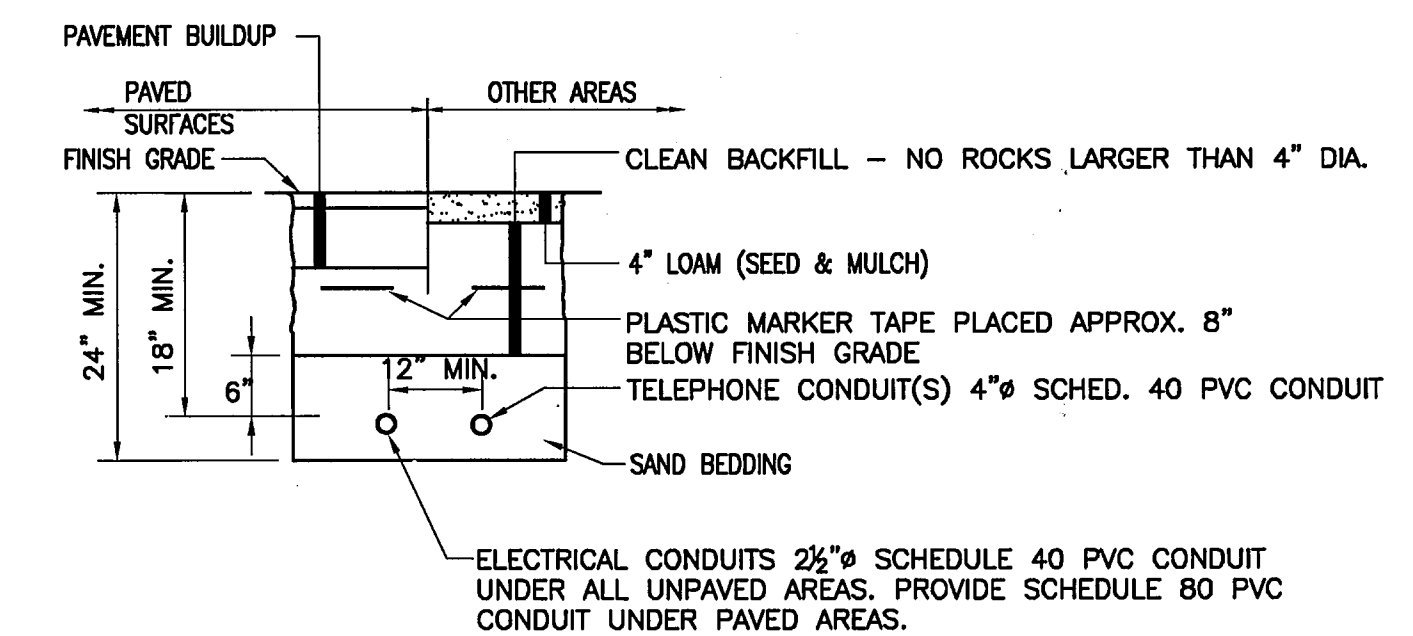
N.T.S.

■ — GROUND CONNECTION



- NOTES:
1. TYPICAL HANGER KIT SHOWN. CONTRACTOR MAY REPLACE WITH EQUAL AS APPROVED BY CONSTRUCTION MANAGER.
  2. SEE COAXIAL CABLE BRIDGE NOTES SHEET G-1
  3. FOR BURIED LEDGE AT LESS THAN 3'-6", CORE LEDGE WITH 4-1/2"x8" DEEP HOLES & GROUT. #3 REINFORCING STEEL WITH #3 TIES @ 6" O.C.

ICE BRIDGE DETAIL



TYPICAL SECTION  
ELECTRICAL & TELEPHONE SERVICE TRENCH

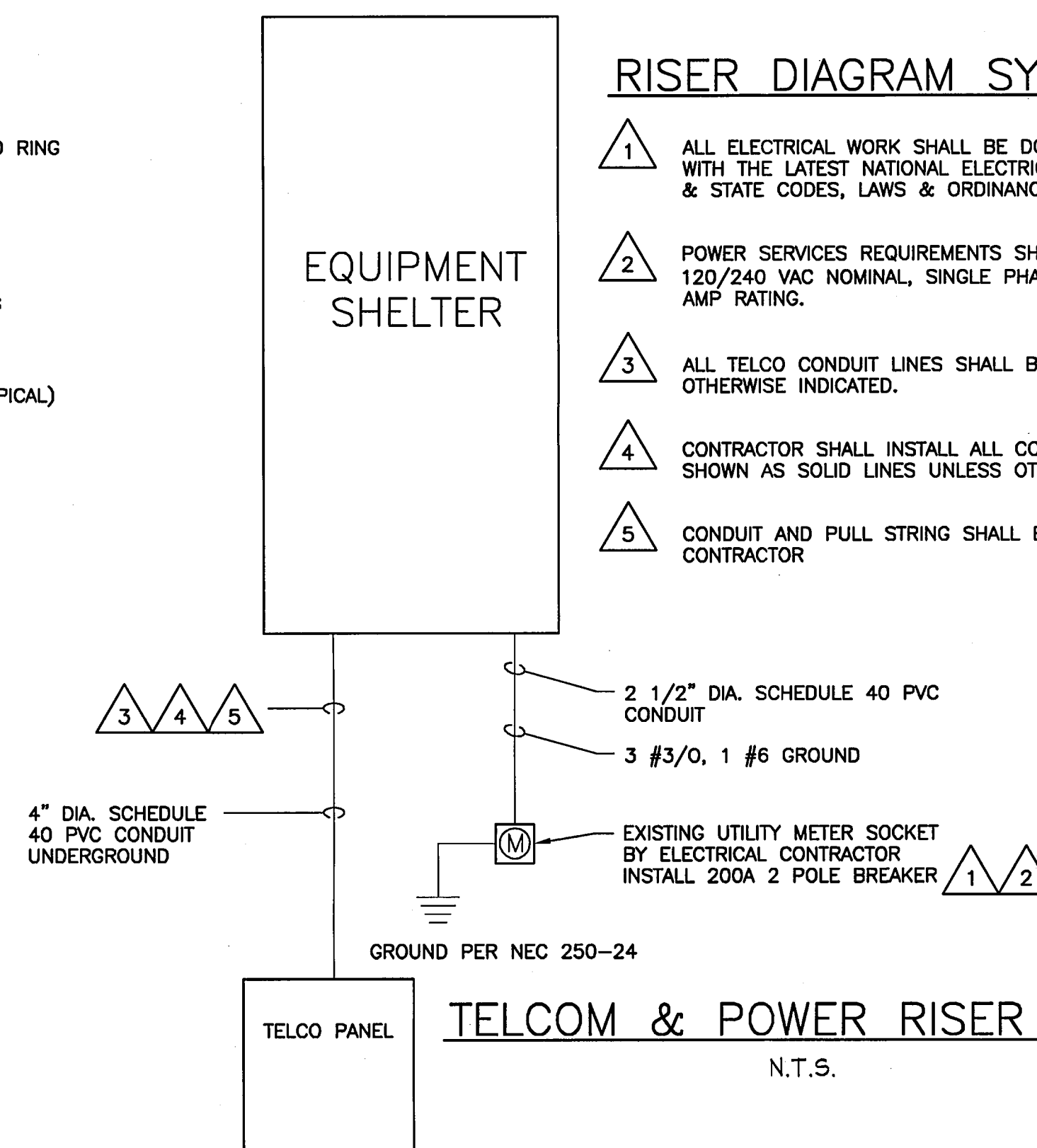
N.T.S.

### RISER DIAGRAM SYMBOLS

- 1 ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE & ALL LOCAL & STATE CODES, LAWS & ORDINANCES.
- 2 POWER SERVICES REQUIREMENTS SHALL BE COMMERCIAL 120/240 VAC NOMINAL, SINGLE PHASE & 3 WIRE W/200 AMP RATING.
- 3 ALL TELCO CONDUIT LINES SHALL BE 4" CONDUIT UNLESS OTHERWISE INDICATED.
- 4 CONTRACTOR SHALL INSTALL ALL CONDUITS & WIRES AS SHOWN AS SOLID LINES UNLESS OTHERWISE INDICATED.
- 5 CONDUIT AND PULL STRING SHALL BE INSTALLED BY CONTRACTOR

### RISER DIAGRAM NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH LOCAL UTILITY COMPANIES AND US CELLULAR CONSTRUCTION MANAGER.
2. UTILITY SERVICES SHOWN ARE PROPOSED, THE ELECTRIC CONTRACTOR SHALL COORDINATE EXACT TELEPHONE AND ELECTRIC SERVICE CONNECTION POINTS, ROUTING, ASSOCIATED REQUIREMENTS AND BACK CHARGES WITH LOCAL UTILITY COMPANIES.
3. ALL CONDUITS ROUTED BELOW GRADE SHALL TRANSITION TO RIGID GALVANIZED ELBOWS WITH RIGID GALVANIZED STEEL CONDUIT ABOVE GRADE.
4. ALL METAL CONDUITS SHALL BE PROVIDED WITH GROUNDING BUSHINGS.
5. GENERAL CONTRACTOR SHALL PROVIDE ALL DIRECT BURIED CONDUITS WITH PLASTIC WARNING TAPE IDENTIFYING CONTENTS. TAPE COLORS SHALL BE ORANGE FOR TELEPHONE AND RED FOR ELECTRIC.



TELCOM & POWER RISER DIAGRAM

N.T.S.

SITE NAME: <b>RAYMOND</b>	SITE NUMBER: <b>853462</b>	ADDRESS: <b>ARM ROAD RAYMOND, ME 04071</b>	DRAWING TITLE: <b>SECTIONS AND DETAILS</b>
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REVISIONS		
No.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	8/25/09

DESIGNED BY: <b>MSD</b>	DATE: <b>8/25/09</b>
DRAWN BY: <b>CBM</b>	SCALE: <b>AS NOTED</b>
CHECKED BY: <b>MSD</b>	PROJECT NO.: <b>413.86.01</b>
DRAWING NO.:	

- 1 COORDINATE THE STRUCTURAL WORK WITH THE ARCHITECTURAL, CIVIL MECHANICAL, ELECTRICAL AND PIPING WORKS.
- 2 NOTIFY OEST OF ANY CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL DRAWING.
- 3 VERIFY ALL DIMENSIONS IN THE FIELD. DURING ERECTION AND CONSTRUCTION PHASES, PROVIDE ADEQUATE SHORING AND TEMPORARY BRACING OF ALL STRUCTURAL COMPONENTS AND ASSEMBLAGES. NOTIFY OEST OF ALL FIELD CHANGES OR DIMENSION DISCREPANCIES PRIOR TO FABRICATION OR ERECTION.

1 ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE IBC 2000.

2 ADDITIONAL REFERENCED STANDARDS:

- A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)  
MANUAL OF STEEL CONSTRUCTION - ALLOWABLE  
STRESS DESIGN 1989, 9TH EDITION
- B. METAL BUILDING MANUFACTURES ASSOCIATION (MBMA)  
1986 LOW RISE BUILDING SYSTEMS MANUAL
- C. AMERICAN CONCRETE INSTITUTE ACI 318-95 BUILDING  
CODE REQUIREMENTS FOR REINFORCED CONCRETE
- D. AMERICAN IRON AND STEEL INSTITUTE (AISI)  
SPECIFICATION FOR THE DESIGN OF COLD-FORMED  
STRUCTURAL STEEL MEMBERS
- E. AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE 7-98  
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER  
STRUCTURES

- 3 ALL APPLICABLE FEDERAL DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND THE  
AMERICANS WITH DISABILITIES ACT (ADA).

1. REFER TO APPROVED INDIVIDUAL SITE FOUNDATION DESIGN.
2. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE REMOVED FROM BENEATH FOUNDATION AREAS.
3. STRUCTURAL FILL AND BACKFILL SHALL CONSIST OF A NON GRANULAR MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER AND PLACED IN UNIFORM 6" LIFTS.
4. STRUCTURAL FILL PLACED FOR SUPPORT OF FOUNDATION SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY FROM ASTM D698 (STANDARD PROCTOR).
5. CONSTRUCT THE SIDES OF THE STRIP FOOTING FOUNDATION STRAIGHT AND VERTICAL, TO REDUCE THE RISK OF FROZEN SOIL ADHERING TO THE CONCRETE AND LIFTING THE FOUNDATION. THE USE OF FORMS AT THE TOP OF THE STRIP FOOTING MAY BE NECESSARY TO PREVENT THE CREATION ON AN ENLARGED AREA OF CONCRETE (MUSHROOM). IF A MUSHROOM OF CONCRETE OCCURS, HEAVE OF THE FOUNDATION CAN TAKE PLACE FROM FROZEN SOIL BENEATH THE MUSHROOM HEAVING UP AND CARRYING THE FOUNDATION WITH IT.
6. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 AND ACI 318. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS. UNLESS AN ALTERNATE CONCRETE MIX DESIGN IS APPROVED, CONCRETE MIXES SHALL BE AS FOLLOWS:
  - A. CONCRETE SHALL HAVE 4000 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH.
  - B. MAXIMUM AGGREGATE SIZE SHALL BE 3/4" (ASTM C33/467).
  - C. CEMENT SHALL BE ASTM C150 TYPE I OR TYPE II U.N.O.
  - D. ALL STRUCTURAL CONCRETE SHALL BE AIR ENTRAINED (5.5 +/- 1.5%).
  - E. SLUMP SHALL BE 2" TO 4".
7. REINFORCING STEEL SHALL HAVE MINIMUM COVER PROTECTION AS FOLLOWS:

- A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:  
3"
- B. CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
- C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:  
SLABS 1 1/4"  
WALLS, JOISTS - #11 BAR AND SMALLER 3/4"  
BEAMS, COLUMNS:  
PRIMARY REINFORCEMENT, TIES,  
STIRRUPS, SPIRALS 1 1/2"
- D. LIQUID RETAINING STRUCTURES:  
SURFACES EXPOSED TO LIQUID 2"
8. THIRD PARTY INSPECTION REQUIRED ON ALL REBAR PLACEMENT AND CONCRETE TESTING. ALL RESULTS SUBMITTED TO US CELLULAR CONSTRUCTION MANAGER. MINIMUM 1 SET OF FOUR CYLINDERS UP TO 100 YARDS AND 1 SET FOR EACH SUBSEQUENT 100 YARDS OR PORTION THERE OF. A CYLINDER BREAK AT 7 DAYS AND 2 AT 28 DAYS FOR EACH SET OF FOUR CYLINDER.

1. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISC - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN, JUNE 1, 1989 (9TH EDITION).
2. HIGH STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH AISC - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR 490 BOLTS, NOVEMBER 13, 1985.
3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USE AWS PREQUALIFIED JOINT DETAILS.
4. STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
  - A. CONNECTION MATERIAL, EMBEDDED ITEMS, HOT ROLLED STRUCTURAL SHAPES, BASE PLATES AND MIS. STEEL. ASTM A36
  - B. STRUCTURAL TUBES ASTM A500 GRADE B
  - C. STEEL PIPE ASTM A53, GRADE B
  - D. STRUCTURAL BOLTS ASTM A325-W U.N.O.
  - E. ANCHOR BOLTS ASTM A307 OR ASTM A36ECIFIC
  - F. THREADED RODS ASTM A36 OR ASTM A307
  - G. WELDING ELECTRODES E70XX

1. ALL DETAILS ARE SHOWN DIAGRAMMATICALLY. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS. PER US CELLULAR GROUNDING STANDARDS REV. MARCH 2005.
2. ALL GROUND WIRE SHALL BE BARE TINNED COPPER #2 AWG UNLESS OTHERWISE NOTED.
3. ALL GROUND WIRES SHALL PROVIDE A STRAIGHT, DOWNWARD PATH TO GROUND WITH GRADUAL BENDS AS REQUIRED. GROUND WIRES SHALL NOT BE LOOPED OR SHARPLY BENT.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING GROUND RINGS WITH SITE CONSTRUCTION MANAGER.
5. EACH EQUIPMENT CABINET SHALL BE CONNECTED TO THE MASTER ISOLATION GROUND BAR (MIGB) WITH #2 AWG INSULATED STRANDED COPPER WIRE. EQUIPMENT CABINETS SHALL EACH HAVE (2) CONNECTIONS UNLESS NOTED OTHERWISE. GROUNDING INSTALLATION SHALL BE ACCORDANCE WITH THE EQUIPMENT SITE SPECIFICATIONS GUIDELINES.
6. PROVIDE DEDICATED #2 AWG COPPER GROUND WIRE FROM EACH ANTENNA MOUNTING PIPE TO ASSOCIATED CIGBE (TYPICAL FOR TWO MOUNTING PIPES PER SECTOR).
7. ANTENNA GROUND KITS SHALL BE FURNISHED BY US CELLULAR AND INSTALLED BY RF CONTRACTOR.
8. GROUND SYSTEM SHALL BE TESTED AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS.
9. THE FACILITY GROUND RING WILL CONSIST OF A GROUND WIRE MADE OF #2 AWG SOLID TINNED, COPPER WIRE THAT WILL SURROUND THE BUILDING, TOWER OF OTHER ABOVE GROUND STRUCTURE. IT MUST CONSIST OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR.
10. THE GROUND RING WILL BE INSTALLED AT A MINIMUM DEPTH OF 2 FEET. IN AREAS HAVING A DESIGNATED FROST LINE BELOW 2 FEET, THE GROUND RING WILL BE INSTALLED AT A DEPTH OF 6 INCHES BELOW THE PREDETERMINED FROST LINE.
11. THE GROUNDING RING WILL BE INSTALLED A MINIMUM OF 2-3 FEET FROM THE BUILDING FOUNDATION AND BEYOND THE BUILDING DRIP LINE, PREFERABLY AROUND THE ENTIRE STRUCTURE. ALTERNATE EARTH GROUND SYSTEM MAY BE ACCEPTABLE WITH USCC APPROVAL.
12. GROUND ROD WILL BE EXOTHERMICALLY WELDED OR COMPRESSION CRIMPED TO THE RING AND DRIVEN INTO THE GROUND TO THE APPROPRIATE DEPTH (2½" BELOW THE FROST LINE, WHICHEVER IS GREATER) AND AT THE APPROPRIATE SPACING (TYPICALLY ONE-ROD LENGTH MINIMUM/TWO-ROD LENGTH MAXIMUM) BETWEEN RODS. GROUND RODS SIZING WILL BE A MINIMUM OF 10 FEET LONG, AND 3/4".

THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROPOSED DEVELOPMENT.

1. ALSO SEE:
  1. SILTATION FENCE DETAIL (SHEET C-4)
  2. GENERAL CONSTRUCTION DETAILS (THIS SHEET)
  3. SEEDING AND REVEGETATION PLAN (THIS SHEET) PIPE

THE EQUIPMENT ANTICIPATED TO BE USED FOR THE CONSTRUCTION INCLUDES THE FOLLOWING: BACKHOES, BULLDOZERS, LOADERS, TRUCKS, CRANES, COMPACTORS, AND GRADERS. THE FOLLOWING MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ABUTTING LANDS:

1. PRIOR TO GRUBBING OR ANY EARTHMOVING OPERATION, SILTATION FENCE WILL BE INSTALLED ACROSS THE SLOPE ON THE CONTOUR AT THE DOWNHILL LIMIT OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION.
2. STONE CHECK DAMS WILL BE INSTALLED IN THE DRAINAGE SWALES TO PREVENT EROSION PRIOR TO THE STABILIZATION OF THE CHANNELS. EROSION CONTROL MESH WILL ALSO BE INSTALLED IN ALL DITCHES TO BE REVEGETATED.
3. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA WILL BE COMPLETED WITHIN FIFTEEN CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY EROSION CONTROL MEASURES WILL BE IMPLEMENTED WITHIN THIRTY CALENDAR DAYS OF EXPOSURE OF SOIL. ALL DISTURBED AREAS WILL BE MULCHED FOR EROSION CONTROL UPON COMPLETION OF ROUGH GRADING.
4. ANY EXPOSED SLOPES GREATER THAN 3:1 AND NEWLY CONSTRUCTED DRAINAGE SWALES WILL BE STABILIZED WITH EROSION CONTROL MESH TO PREVENT EROSION DURING CONSTRUCTION AND TO FACILITATE REVEGETATION AFTER LOAMING AND SEEDING.
5. TO PROVIDE PROTECTION AGAINST EROSION, RIPRAP WILL BE PLACED AT ALL STORM DRAIN INLETS AND OUTLETS AS SHOWN ON THE ATTACHED DRAWINGS.
6. IN AREAS OF CONSTRUCTION DEWATERING, ISOLATED SETTLEMENT TRAPS WILL BE CONSTRUCTED ADJACENT TO THE ACTIVITY. WATER WILL BE PUMPED FROM THE EXCAVATIONS TO THESE DEPRESSION AREAS FOR SEDIMENT REMOVAL. ADDITIONAL SEDIMENTATION PROTECTION WILL BE PROVIDED BY THE INSTALLATION OF HAYBALE BARRIERS BETWEEN THE BASINS AND THE RECEIVING DRAINAGE COURSE.
7. NATIVE TOPSOIL SHALL BE SAVED, STOCKPILED, MULCHED, AND REUSED AS MUCH AS POSSIBLE ON THE SITE. SILTATION FENCE SHALL BE INSTALLED AT THE BASE OF STOCKPILES AT THE DOWNHILL LIMIT TO PROTECT AGAINST EROSION. STOCKPILES WILL BE STABILIZED BY SEEDING AND MULCHING UPON FORMATION OF THE PILES. UPHILL OF THE STOCKPILES, STABILIZED DITCHES AND/OR BERMS WILL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES.
8. ALL SILTATION FENCE AND HAY BALE BARRIERS WILL BE INSPECTED BY THE CONTRACTOR ON A WEEKLY BASIS OR FOLLOWING ANY SIGNIFICANT RAINFALL (1/2 INCH OR MORE) OR SNOWMELT. ALL DAMAGED EROSION CONTROL DEVICES WILL BE REPAIRED AND/OR REPLACED IMMEDIATELY. SEDIMENT WILL BE REMOVED BEFORE IT HAS ACCUMULATED TO ONEHALF OF THE INSTALLED SILTATION FENCE OR HAY BALE BARRIER HEIGHT. DEVICES NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION WILL ALSO BE REPAIRED AND/OR REPLACED AS NECESSARY.

9. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED BY SEPTEMBER 15 OF THE YEAR OF CONSTRUCTION, THEN WITHIN THE NEXT 10 CALENDAR DAYS THESE AREAS WILL BE GRADED AND SMOOTHED, THEN SEEDED TO A WINTER COVER CROP OF RYE AT A RATE OF 3 LBS. PER 1,000 SQ. FT. THE FOLLOWING WILL BE INCORPORATED INTO THE SOIL PRIOR TO RYE SEEDING: GROUND LIMESTONE AT A RATE OF 130 LBS. PER 1,000 SQ. FT., FOLLOWED BY A 10-10-10 FERTILIZER AT A RATE OF 14 LBS. PER 1,000 SQ. FT. HAY MULCH WILL BE APPLIED AT A RATE OF 100 LBS. PER 1,000 SQ. FT. FOLLOWING SEEDING. IF THE RYE SEEDING CANNOT BE COMPLETED BY OCTOBER 1, THEN ON THAT DATE HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE TO PROVIDE WIND PROTECTION. IF RYE SEEDS DO NOT TAKE DUE TO GROWTH BY SEPTEMBER 15, THEN ON THAT DATE, HAY MULCH SHALL BE APPLIED AT THE RATE OF 100 LBS. PER 1,000 SQ. FT. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL. BIODEGRADABLE NETTING WILL BE INSTALLED ON STEEP SLOPES (3:1 AND STEEPER) AND ON AREAS OF CONCENTRATED FLOWS.
10. INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND INCORPORATED INTO THE PROJECT AREA.

1. ALL BRIDGE KITS SHALL BE INSTALLED AS PER THE MANUFACTURERS RECOMMENDATIONS.
2. STRUCTURAL STEEL SHALL BE ASTM A36. PIPE SHALL BE ASTM A53, GRADE B (SEAMLESS)
3. EXTERIOR STEEL SHALL BE HOT-DIP GALVANIZED, AFTER FABRICATION AND WELDING, TO ASTM A123. HARDWARE SHALL BE EITHER A325 STEEL, GALVANIZED TO ASTM A153, OR 18-8 STAINLESS.
4. SIZE, NUMBER AND POSITION OF COAXIAL CABLES MAY VARY.
5. POSITION BRIDGE ASSEMBLY SO THAT COAXIAL CABLES INTERSECT AT LADDER CENTERLINE. HEIGHT ABOVE GROUND MAY VARY ACCORDING TO SITE LAYOUT.
6. FOUNDATION SHALL BE 12" DIAM. SONOTUBE 48" DEEP BELOW GRADE AND 6" ABOVE GRADE FILLED WITH 4000 psi CONCRETE WITH 3/4"Ø MAXIMUM AGGREGATE.
7. FOR BURIED LEDGE AT LESS THAN 3'-6" BELOW FINISHED GRADE, CORE 8" DIAM. HOLE INTO LEDGE 18" DEEP. EMBED CABLE BRIDGE COLUMN TO BOTTOM OF HOLE FILL AROUND PIPE WITH NON-SHRINK GROUT. USE COAL TAR ON BURIED LENGTH OF PIPE, AND BACKFILL TO FINISHED GRADE.
8. FOR POSTS ON CONCRETE OR EXPOSED LEDGE, PROVIDE 8"x8"x 5/8" BASEPLATE ANCHORED SHOWN ON PLAN.

5. SHOULD CONSTRUCTION OCCUR AFTER NOVEMBER 15, ADDITIONAL EROSION CONTROL METHODS WILL BE IMPLEMENTED. ALL DISTURBED AREAS WILL BE MINIMIZED AS MUCH AS POSSIBLE. PRIOR TO FREEZING, ADDITIONAL EROSION CONTROL DEVICES WILL BE INSTALLED AS APPROPRIATE. INSPECTION OF THESE EROSION CONTROL ITEMS WILL BE CONDUCTED, WITH PARTICULAR ATTENTION PAID TO WEARERS. PREDICTIONS TO ENSURE THAT THESE MEASURES ARE PROPERLY IN PLACE TO HANDLE LARGE AMOUNTS OF RUNOFF FROM HEAVY RAINS OR THAWS.

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED WILL BE TREATED AS STATED BELOW. THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED.

1. LOAM WILL BE SPREAD OVER ALL DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH OF 4 INCHES.
2. THE FOLLOWING WILL BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING: AGRICULTURAL LIMESTONE AT THE RATE OF 130 POUNDS PER 1,000 SQUARE FEET, FOLLOWED BY 10-10-10 FERTILIZER AT THE RATE OF 14 POUNDS PER 1,000 SQUARE FEET.
3. DISTURBED AREAS WILL BE SEEDDED AT THE RATE OF 100 LBS/ACRE OF NHDOT SLOPE SEED TYPE 44 AND 20 LBS/ACRE OF CROWN VETCH.
4. SEEDING WILL BE COMPLETED BETWEEN THE DATES OF APRIL 1 AND SEPTEMBER 15. WATERING MAY BE REQUIRED DURING DRY PERIODS.
5. HAY MULCH WILL BE APPLIED AT THE RATE OF 100 LBS. PER 1,000 SQ. FT. FOLLOWING SEEDING. MULCH SHALL BE ANCHORED BY WATERING OR TRACKING BY BULLDOZER FLAT AREAS, USING ANCHORING EMULSION OR TRACKING BY BULLDOZER ON AREAS OF MODERATE SLOPES AND INSTALLING BIODEGRADABLE NETS ON STEEP SLOPES (3:1 AND STEEPER).
6. ALL SEDIMENT CONTROL STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 75% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

TOWER SHALL BE DESIGNED IN ACCORDANCE WITH CURRENT ANSI/EIA/TIA  
222 FOR CUMBERLAND MAINE.



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341 Gannett Road, South Portland, ME 04106  
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SITE NAME: <b>RAYMOND</b>	SITE NUMBER: <b>853462</b>	ADDRESS: <b>19 FARM ROAD RAYMOND, ME 04071</b>	
DRAWING TITLE: <b>GENERAL NOTES</b>			

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REVISIONS			
No.	DESCRIPTION	DATE	
0	FOR CONSTRUCTION	8/25/09	

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DESIGNED BY: <b>MSD</b>	DATE: <b>8/25/09</b>
DRAWN BY: <b>CBM</b>	SCALE: <b>AS NOTED</b>
CHECKED BY: <b>MSD</b>	PROJECT NO.: <b>413.86.01</b>

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DRAWING NO.: **G-I**