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PROJECT DIRECTORY

APPLICANT:
 VERIZON WIRELESS
 15900 SE EASTGATE WAY
 M/S 231
 BELLEVUE, WA 98008

APPLICANT AGENT:
 KDC ARCHITECTS
 4720 200TH STREET SW., SUITE 200
 LYNNWOOD, WA 98036
 CONTACT: JOHN EDER
 PHONE: (253) 278-2902
 FAX: (425) 712-0846

ARCHITECT/ELECTRICAL ENGINEER:
 KDC ARCHITECTS
 4720 200TH STREET SW., SUITE 200
 LYNNWOOD, WA 98036
 CONTACT: ERIC CAMP
 PHONE: (425) 670-8651
 FAX: (425) 712-0846



YAK-SUNCADIA
 NNW STEAM GIN LOOP
 CLE ELUM, WA 98922
 LAT: 47° 13' 04.80"N
 LONG: 120° 59' 49.70"W
 ELEV: 2402.0'

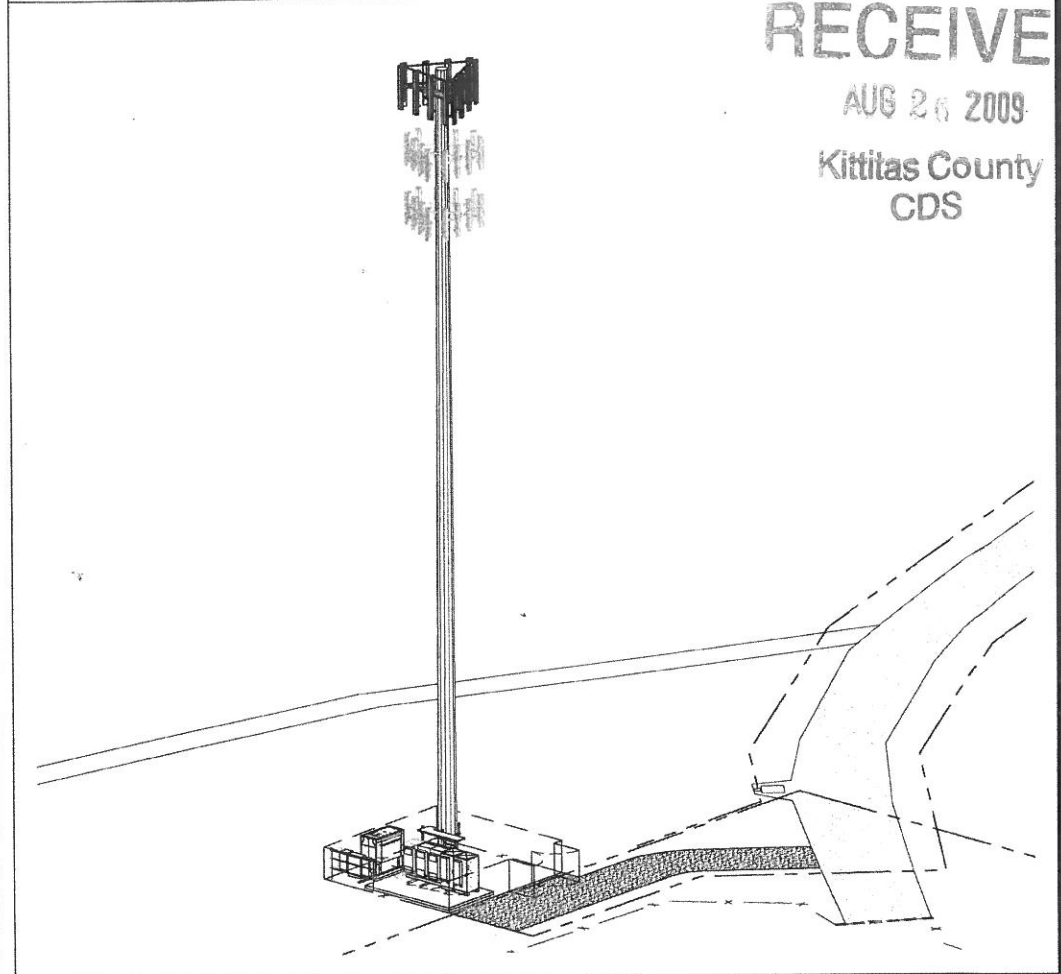
LEGAL DESCRIPTION

SEE SURVEY, SHEET C-1 FOR COMPLETE LEGAL DESCRIPTION

CONTRACTOR NOTE

THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCLUDE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

SITE PERSPECTIVE



RECEIVED

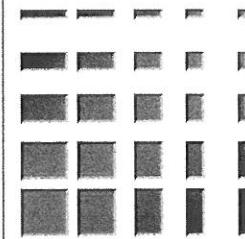
AUG 26 2009

Kittitas County
 CDS

PLANS PREPARED FOR:



PLANS PREPARED BY:



KDC
 ARCHITECTS/ENGINEERS, P.C.
 4720 200TH STREET SW SUITE 200
 LYNNWOOD, WA 98036
 PHONE: 425.670.8651
 FAX: 425.712.0846

LICENSURE:

PROJECT INFORMATION

WASHINGTON STATE CODE COMPLIANCE:
 2006 IBC, STANDARDS AND AMENDMENTS-WAC 51-50;
 2006 IMC, STANDARDS AND AMENDMENTS-WAC 51-52;
 2006 IFC, STANDARDS AND AMENDMENTS-WAC 51-54;
 2006 IPC, STANDARDS AND AMENDMENTS-WAC 51-56,
 51-57.

SITE NAME:
 YAK-SUNCADIA

SITE ADDRESS:
 NNW STEAM GIN LOOP
 CLE ELUM, WA 98922

LAND OWNER:
 N/A

JURISDICTION:
 CITY OF CLE ELUM

PARCEL NUMBER:
 21923

PROJECT DESCRIPTION:
 THIS PROPOSAL IS FOR THE INSTALLATION (4) PROPOSED & (1) FUTURE PROPOSED PAD MOUNTED EQUIPMENT CABINETS WITHIN A PROPOSED 50'-0" X 50'-0" LEASE AREA AND THE INSTALLATION OF (12) ANTENNAS (4 PER SECTOR) TO A PROPOSED 150'-0" HIGH MONOPOLE.

GENERAL NOTES

- DRAWINGS ARE NOT TO BE SCALED. WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE NEW PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING.
- THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- ANTENNA SUPPORTING POLE IS UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION SUB-CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF PERSONNEL AND PROPERTY FROM HAZARDOUS EXPOSURE TO OVERHEAD DANGERS.
- GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION UPON COMPLETION OF WORK. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- CONTRACTOR SHALL ENSURE THE GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.

APPROVALS/ISSUE DATES

SITE ALPHA NO:

DATE	ISSUED AS
	Preliminary
	Preliminary-Revised
	Zoning-Special Use Permit Application
	Construction Permit Application
	Issued for Zoning/Construction
	Issued for Construction
	Issued Zoning & Construction Permit
	As Built/Record Set
	For Owner and Engineering Approval

VERIZON WIRELESS

CELLULAR DESIGN ENGINEER APPROVAL

PRINTED NAME	SIGNATURE	TITLE	DATE

VERIZON WIRELESS

PROPERTY OWNER APPROVAL

PRINTED NAME	SIGNATURE	TITLE	DATE

SYMBOLS LIST

- | | | | |
|--|-------------------------------|--|----------------------------------|
| | ELEVATION NUMBER SHEET NUMBER | | ELECTRIC METER |
| | DETAIL NUMBER SHEET NUMBER | | ELECTRICAL WIRING (TURNING UP) |
| | SECTION NUMBER SHEET NUMBER | | ELECTRICAL WIRING (TURNING DOWN) |
| | PROPERTY LINE | | BACKBOARD |
| | ELECTRICAL SERVICE | | RECEPTACLE |
| | TELCO SERVICE | | SPECIAL RECEPTACLE |
| | GROUNDING | | QUADRUPLEX RECEPTACLE |
| | NEW | | MASTER GROUND BAR |
| | EXISTING | | GROUND ATTACHMENT |

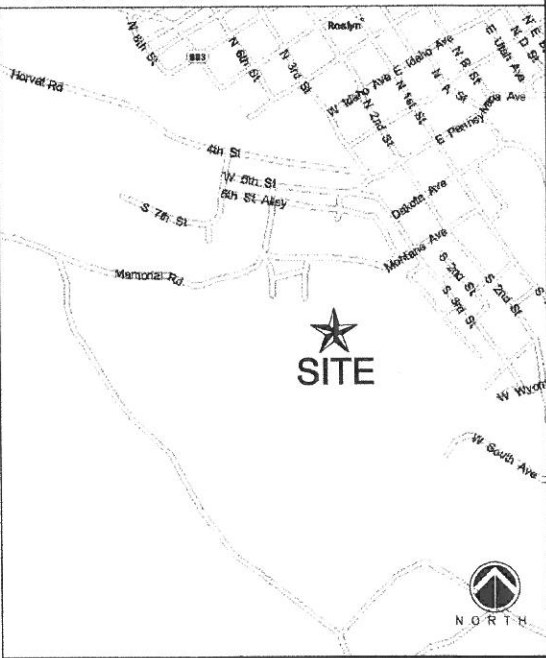
DRIVING DIRECTIONS

FROM SEATAC INTERNATIONAL AIRPORT:
 DEPART NEAR SEATAC ON LOCAL ROAD(S) (EAST)
 ROAD NAME CHANGES TO S 170TH ST
 TAKE RAMP (LEFT) ONTO LOCAL ROAD(S)
 TAKE RAMP (RIGHT) ONTO SR-518
 ROAD NAME CHANGES TO I-405
 AT EXIT 11, TURN RIGHT ONTO RAMP
 TAKE RAMP (RIGHT) ONTO I-90
 AT EXIT 84, TURN RIGHT ONTO RAMP
 BEAR RIGHT (EAST) ONTO 1ST ST W
 TURN LEFT (NORTH) ONTO MILLER AVE
 TURN LEFT (WEST) ONTO SR-903
 KEEP STRAIGHT ONTO SR-903 [S 1ST ST]
 TURN LEFT (WEST) ONTO MONTANA AVE
 TURN LEFT (SOUTH) ONTO LOCAL ROAD(S)
 BEAR LEFT (SOUTH) ONTO LOCAL ROAD(S)
 BEAR LEFT (SOUTH-EAST) ONTO LOCAL ROAD(S)
 ARRIVE NNW STEAM GIN LOOP, CLE ELUM, WA 98922

CONFIDENTIAL AND PROPRIETARY

Not for disclosure outside VERIZON WIRELESS without permission.

VICINITY MAP



DATE: 06/17/2009

DRAWN BY: JBB

CHECKED BY: EJC

REVISIONS

DATE	DESCRIPTION	BY
06/09/2009	ISSUED FOR 90% CD REVIEW	JBB
06/17/2009	ISSUED FOR CONSTRUCTION	JBB

PROJECT:
YAK-SUNCADIA

NNW STEAM GIN LOOP
 CLE ELUM, WA 98922

T-1

LEGAL DESCRIPTION

TRACT 05-9 OF SUNCADIA PHASE 1, DIVISION 3, IN THE COUNTY OF KITTITAS, STATE OF WASHINGTON, AS PER PLAT THEREOF RECORDED IN BOOK 9 OF PLATS, PAGES 94 THROUGH 120, RECORDS OF KITTITAS COUNTY.

EASEMENTS

△ CORRESPONDS WITH ITEM NUMBER IN 'SCHEDULE B' OF TITLE REPORT.

THE FOLLOWING EASEMENTS FROM THE REFERENCED TITLE REPORT CONTAIN SUFFICIENT INFORMATION TO BE DEPICTED ON THE PLAN. OTHER EASEMENTS OR ENCUMBRANCES, IF ANY, MAY AFFECT THE PROPERTY, BUT LACK SUFFICIENT INFORMATION TO BE SHOWN.

△ NO SUPPORTING DOCUMENTS INCLUDED WITH THE TITLE REPORT.

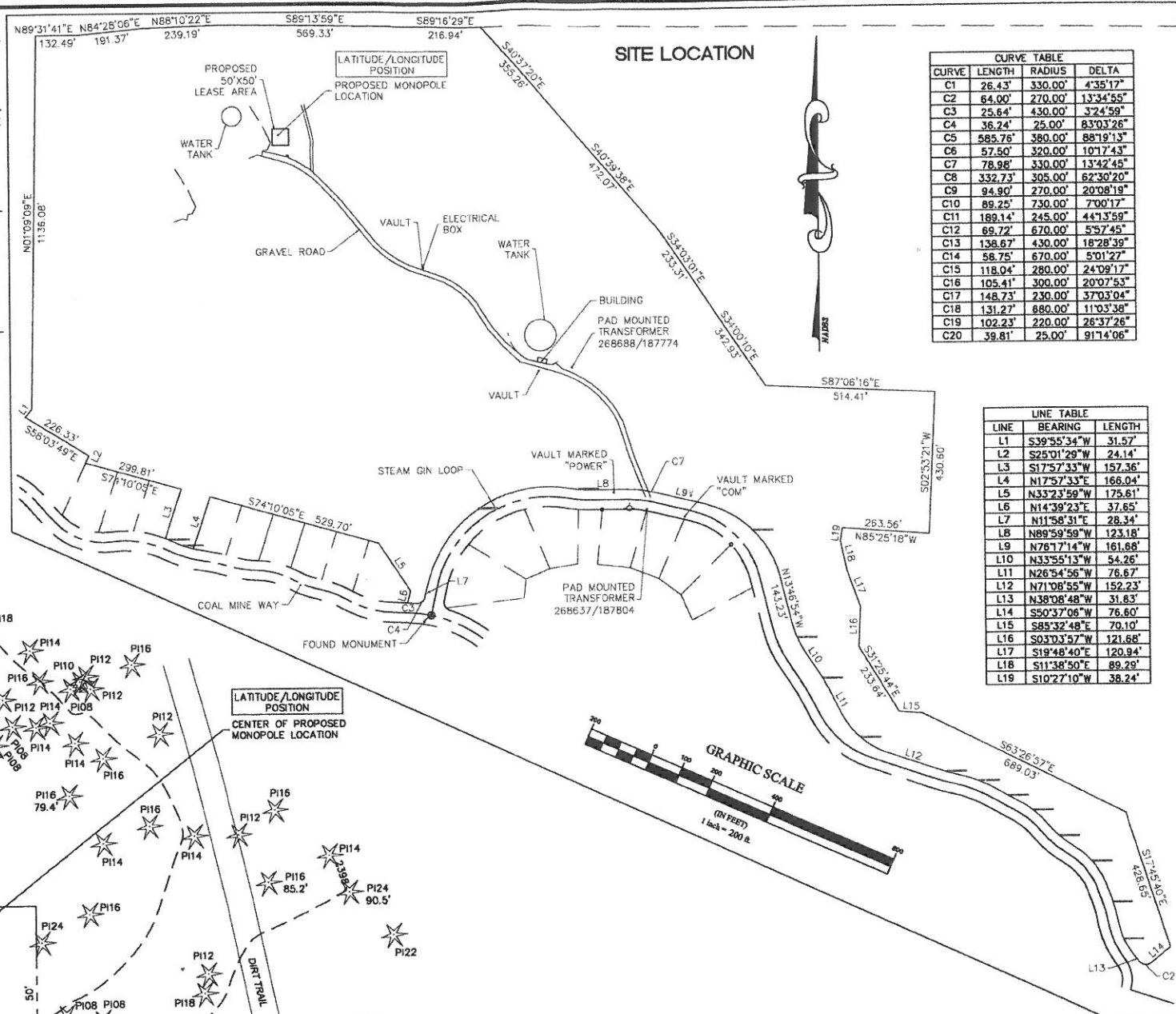
NOTES

- 1) TITLE INFORMATION PER COMMITMENT NO. 007617 PROVIDED BY FIRST AMERICAN TITLE CO. OF KITTITAS COUNTY DATED APRIL 1, 2009.
- 2) FIELD WORK CONDUCTED IN MAY 2009.
- 3) BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD83).
- 4) UNDERGROUND UTILITIES SHOWN HEREON, IF ANY, WERE DELINEATED FROM SURFACE EVIDENCE AND/OR UTILITY COMPANY RECORDS. CRITICAL LOCATIONS SHOULD BE VERIFIED PRIOR TO DESIGN AND CONSTRUCTION.

LEASE DESCRIPTION

A PARCEL OF LAND LOCATED IN TRACT 05-9 OF SUNCADIA PHASE 1, DIVISION 3, IN THE COUNTY OF KITTITAS, STATE OF WASHINGTON, AS PER PLAT THEREOF RECORDED IN BOOK 9 OF PLATS, PAGES 94 THROUGH 120, RECORDS OF KITTITAS COUNTY. DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF STEAM GIN LOOP AND COAL MINE WAY, FROM WHICH THE NORTHWEST CORNER OF LOT 31 OF SAID PLAT BEARS NORTH 59°08'09" EAST 612.80 FEET; THENCE NORTH 16°14'26" WEST 1492.95 FEET TO THE TRUE POINT OF BEGINNING; THENCE NORTH 90°00'00" WEST 50.00 FEET; THENCE NORTH 00°00'00" EAST 50.00 FEET; THENCE SOUTH 90°00'00" EAST 50.00 FEET; THENCE SOUTH 00°00'00" WEST 50.00 FEET TO THE TRUE POINT OF BEGINNING; CONTAINING 2500 SQUARE FEET, MORE OR LESS.



LEGEND

- SUBJECT BOUNDARY LINE
 - RIGHT-OF-WAY CENTERLINE
 - RIGHT-OF-WAY LINE
 - ADJACENT BOUNDARY LINE
 - SECTIONAL BREAKDOWN LINE
 - OP --- OVERHEAD POWER LINE
 - UP --- BURIED POWER LINE
 - G --- BURIED GAS LINE
 - OT --- OVERHEAD TELEPHONE LINE
 - UT --- BURIED TELEPHONE LINE
 - V --- BURIED WATER LINE
 - SS --- BURIED SANITARY SEWER
 - SD --- BURIED STORM DRAIN
 - DITCH LINE/FLOW LINE
 - ROCK RETAINING WALL
 - VEGETATION LINE
 - CHAIN LINK FENCE
 - WOOD FENCE
 - BARBED WIRE/WIRE FENCE
- △ TRANSFORMER
 - ⊙ FIRE HYDRANT
 - ⊗ LIGHT STANDARD
 - ⊗ GATE VALVE
 - ⊗ POWER VAULT
 - ⊗ WATER METER
 - ⊗ UTILITY BOX
 - ⊗ FIRE STAND PIPE
 - ⊗ UTILITY POLE
 - ⊗ CATCH BASIN, TYPE I
 - ⊗ POLE GUY WIRE
 - ⊗ CATCH BASIN, TYPE II
 - ⊗ GAS VALVE
 - ⊗ SIGN
 - ⊗ GAS METER
 - ⊗ BOLLARD
 - ⊗ TELEPHONE VAULT
 - ⊗ MAIL BOX
 - ⊗ TELEPHONE RISER
 - ⊗ SPOT ELEVATION

NOTE:
 1) ALL ELEVATIONS SHOWN ARE ABOVE MEAN SEA LEVEL (AMSL) AND ARE REFERENCED TO THE NAVD83 DATUM.
 2) ALL TOWER, TREE AND APPURTENANCE HEIGHTS ARE ABOVE GROUND LEVEL (AGL) AND ARE ACCURATE TO ± 3 FEET OR ± 1% OF TOTAL HEIGHT, WHICHEVER IS GREATER.

TREE LEGEND

- DECIDUOUS TREE
- AL=Alder
 - MP=Maple
 - DS=Deciduous
 - MA=Madrona
 - OK=Oak
 - CH=Cherry
- EVERGREEN TREE
- CE=Cedar
 - DF=Douglas Fir
 - HE=Hemlock
 - PI=Pine
 - EVG=Evergreen
- AL12 --- TRUNK DIAMETER (IN)
- TYPE
- DF18 195.2 --- HEIGHT AGL IF MEASURED

NOTE:
 TREE DRIP LINES ARE NOT TO SCALE. TREE SYMBOLS REFERENCE TRUNK LOCATION ONLY. TRUNK DIAMETERS WERE APPROXIMATED AT 3.5' TO 4' ABOVE GROUND LEVEL. TREES SHOWN ARE FOR REFERENCE ONLY AND OTHER TREES AND VEGETATION MAY EXIST.

SITE INFORMATION

TAX LOT NUMBER: 21923
 SITE ADDRESS: NNA STEAM GIN LOOP, CLE ELUM, WA 98922
 SITE CONTACT: N/A
 PHONE NUMBER: N/A
 ZONING: N/A
 TOTAL LOT AREA: 3283685± S.F.(75.38 AC.)
 PROJECT AREA: 2500 S.F.

LATITUDE/LONGITUDE POSITION

COORDINATE DATA AT PROPOSED MONOPOLE LOCATION:
 NAD 83
 LAT - 47°13'04.80" N
 LONG - 120°59'49.70" W
 ELEV. = 2402.0 FEET
 BENCHMARK IS "SNOO" WASHINGTON STATE REFERENCE NETWORK GPS CORS STATION. ELEV = 2592.32'

ELEVATION DERIVED USING GPS. ACCURACY MEETS OR EXCEEDS 1A STANDARDS AS DEFINED ON THE FAA ASAC INFORMATION SHEET 91-003.

SURVEY REFERENCE
 PLAT OF SUNCADIA PHASE 1 DIVISION 3 RECORDED UNDER AUDITOR'S FILE NO. 200505040001, RECORDS OF KITTITAS COUNTY, WASHINGTON.

BOUNDARY DISCLAIMER
 THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. SUBJECT AND ADJACENT PROPERTY LINES ARE DEPICTED USING FIELD-FOUND EVIDENCE AND RECORD INFORMATION.

CAUTION!
 UNDERGROUND UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY BE INCOMPLETE. STATE LAW REQUIRES THAT CONTRACTOR CONTACT THE ONE-CALL UTILITY LOCATE SERVICE AT LEAST 48 HOURS BEFORE STARTING ANY CONSTRUCTION.
 1-800-424-5555

DUNCANSON Company, Inc.
 143 5th Street, Suite 102
 Seattle, Washington 98106
 Phone 206.244.4141
 Fax 206.244.4653

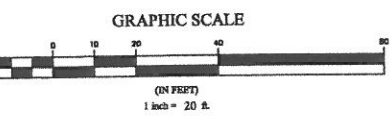
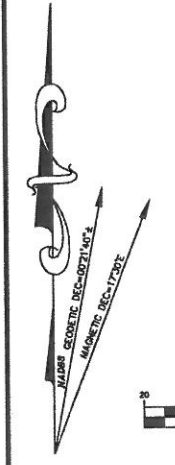
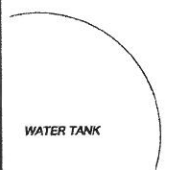
REVISIONS

NO.	DATE	DESCRIPTION	BY	KJW
1	5/15/09	REVISE LEASE AREA		

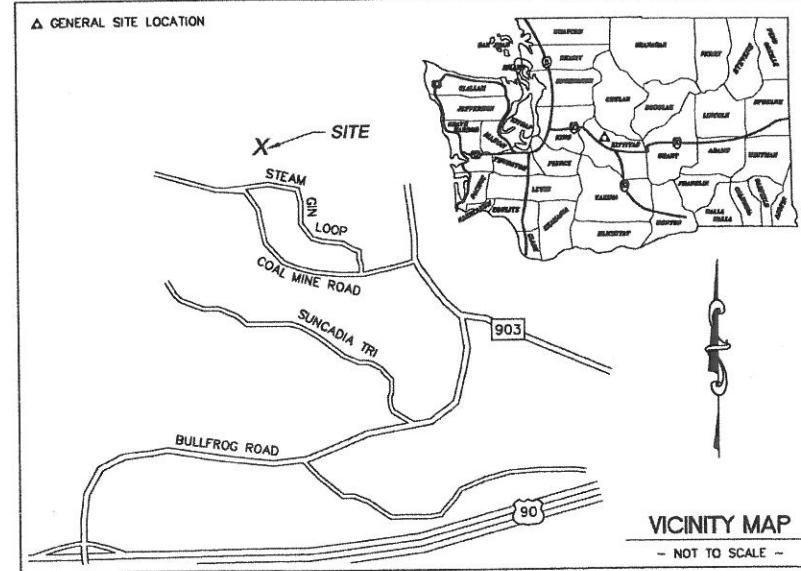
YAK SUNCADIA
 EXISTING SITE SURVEY
 SEC 20, TWP 20 N, RNG 15 E, WM

FLD. CREW: PN/JW
 FLD. BOOK: 215/J7
 DRAWN BY: KJW
 JOB #: 99544.386
 DATE: 5/08/09

C1
 1 OF 1



SITE DETAIL

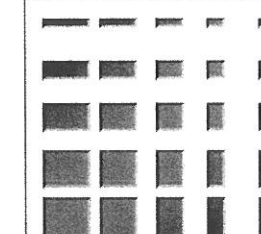


VICINITY MAP
 - NOT TO SCALE -

PLANS PREPARED FOR:



PLANS PREPARED BY:



KDC
ARCHITECTS/ENGINEERS, P.C.
 4720 200TH STREET SW SUITE 200
 LYNNWOOD, WA 98036
 PHONE: 425.670.8851
 FAX: 425.712.0846

LICENSURE:

DATE: 06/17/2009

DRAWN BY: JBB

CHECKED BY: EJC

REVISIONS

DATE	DESCRIPTION	BY
06/09/2009	ISSUED FOR 90% CD REVIEW	JBB
06/17/2009	ISSUED FOR CONSTRUCTION	JBB

PROJECT:
YAK-SUNCADIA

NNW STEAM GIN LOOP
 CLE ELUM, WA 98922

A-1

GENERAL NOTES

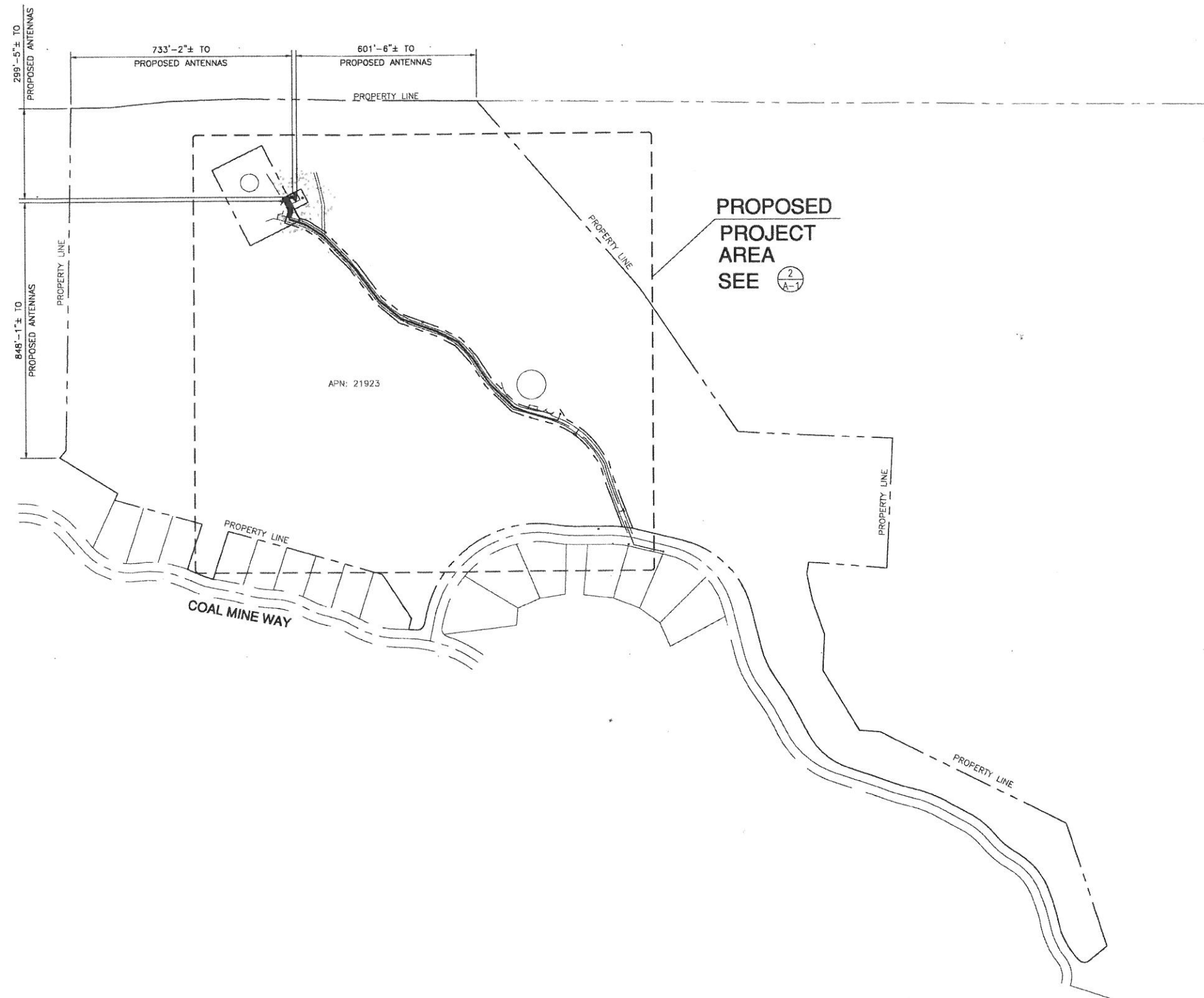
PROPERTY LINE NOTE:
 SEE SURVEY, SHEET C-1, FOR EXISTING PROPERTY LINE BEARINGS AND LENGTHS.

DIG NOTE:
 CAUTION! CALL BEFORE YOU DIG! BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE-CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. 1-800-424-5555

POWER/TELCO NOTE:
 POWER TO ORIGINATE FROM AN EXISTING PAD MOUNTED TRANSFORMER #268688/187774. THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1244'-6"±)

TELCO TO ORIGINATE FROM AN EXISTING COMMUNICATION VAULT, THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1837'-3"±)

GENERAL NOTES:
 REFER TO 2/A-4 FOR GENERAL NOTES



1
A-1

OVERALL SITE PLAN

SCALE FOR 24x36: 1" = 200'-0" SCALE FOR 11x17: 1" = 400'-0"

NORTH

GENERAL NOTES

PROPERTY LINE NOTE:
SEE SURVEY, SHEET C-1, FOR EXISTING PROPERTY LINE BEARINGS AND LENGTHS.

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TELCO TO ORIGINATE FROM AN EXISTING COMMUNICATION VAULT, THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1837'-3"±)

GENERAL NOTES:
REFER TO 2/A-4 FOR GENERAL NOTES

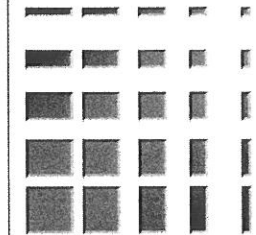
KEYED NOTES

- 1 PROPOSED VERIZON WIRELESS U.G. POWER ROUTE
- 2 PROPOSED VERIZON WIRELESS U.G. TELCO ROUTE
- 3 PROPOSED 30'-0" WIDE ACCESS EASEMENT
- 4 PROPOSED VERIZON WIRELESS 50'-0" X 50'-0" LEASE AREA
- 5 PROPOSED VERIZON WIRELESS 12'-0" WIDE GRAVEL ACCESS ROAD
- 6 EXISTING PAD MOUNTED TRANSFORMER #268688/187774 (POINT OF VERIZON WIRELESS POWER CONNECTION)
- 7 EXISTING COMMUNICATION VAULT (POINT OF VERIZON WIRELESS TELCO CONNECTION)
- 8 EXISTING WATER TANK (2 TOTAL)
- 9 EXISTING DIRT TRAIL
- 10 EXISTING VAULT (TYPICAL)
- 11 EXISTING GRAVEL ACCESS ROAD
- 12 EXISTING GATE
- 13 EXISTING 6'-0" CHAIN LINK FENCE WITH BARBED WIRE
- 14 EXISTING BUILDING
- 15 EXISTING POTABLE WATER UTILITY EASEMENT
- 16 EXISTING TREE TO BE REMOVED (2 TOTAL)
- 17 EXISTING TREES (TYPICAL)

PLANS PREPARED FOR:



PLANS PREPARED BY:



KDC
ARCHITECTS.ENGINEERS, P.C.
4720 200TH STREET SW SUITE 200
LYNNWOOD, WA 98036
PHONE: 425.670.8651
FAX: 425.712.0846

LICENSURE:

DATE: 06/17/2009

DRAWN BY: JBB

CHECKED BY: EJC

REVISIONS

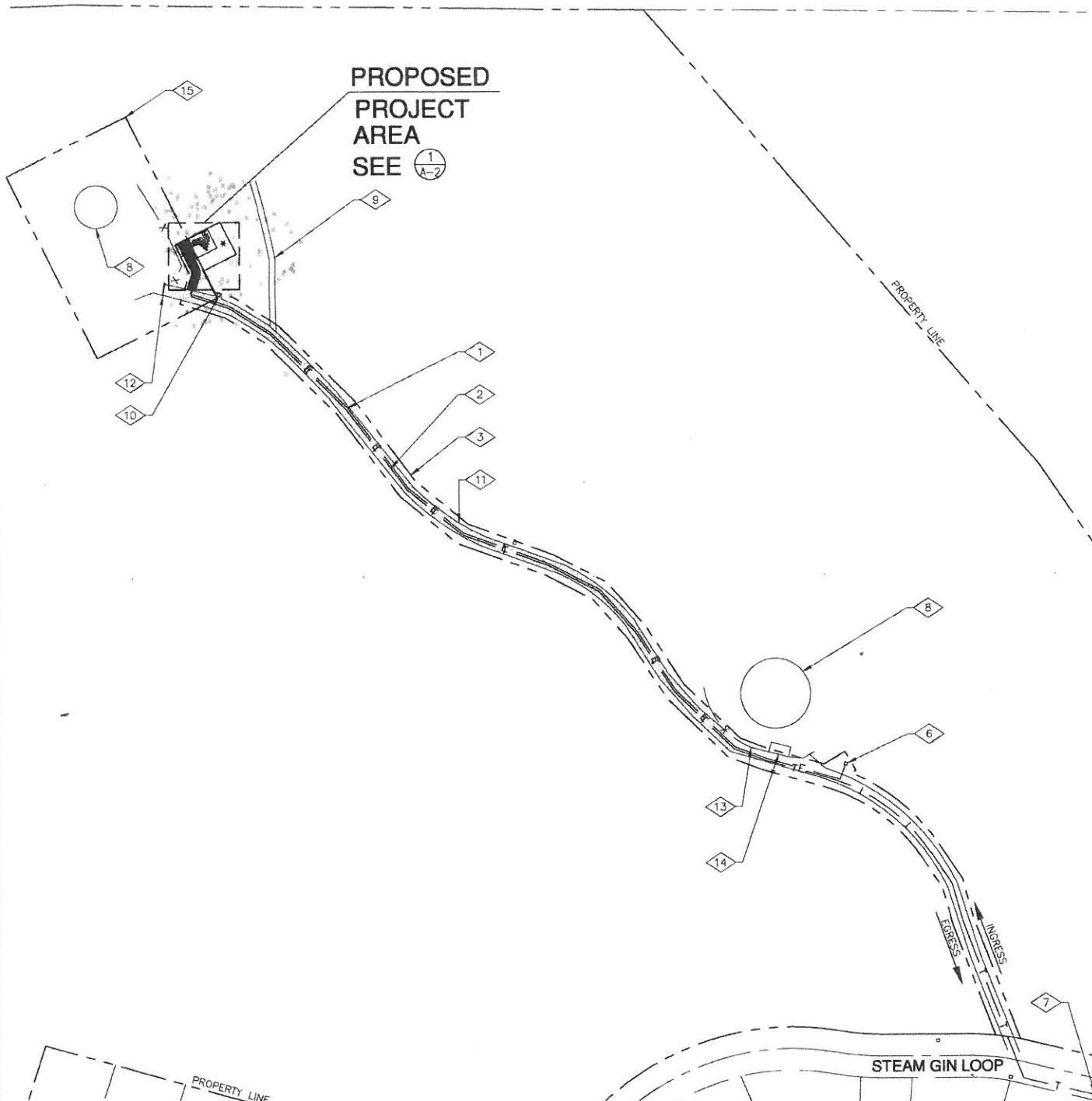
DATE	DESCRIPTION	BY
06/09/2009	ISSUED FOR 90% CD REVIEW	JBB
06/17/2009	ISSUED FOR CONSTRUCTION	JBB

PROJECT:
YAK-SUNCADIA

NNW STEAM GIN LOOP
CLE ELUM, WA 98922

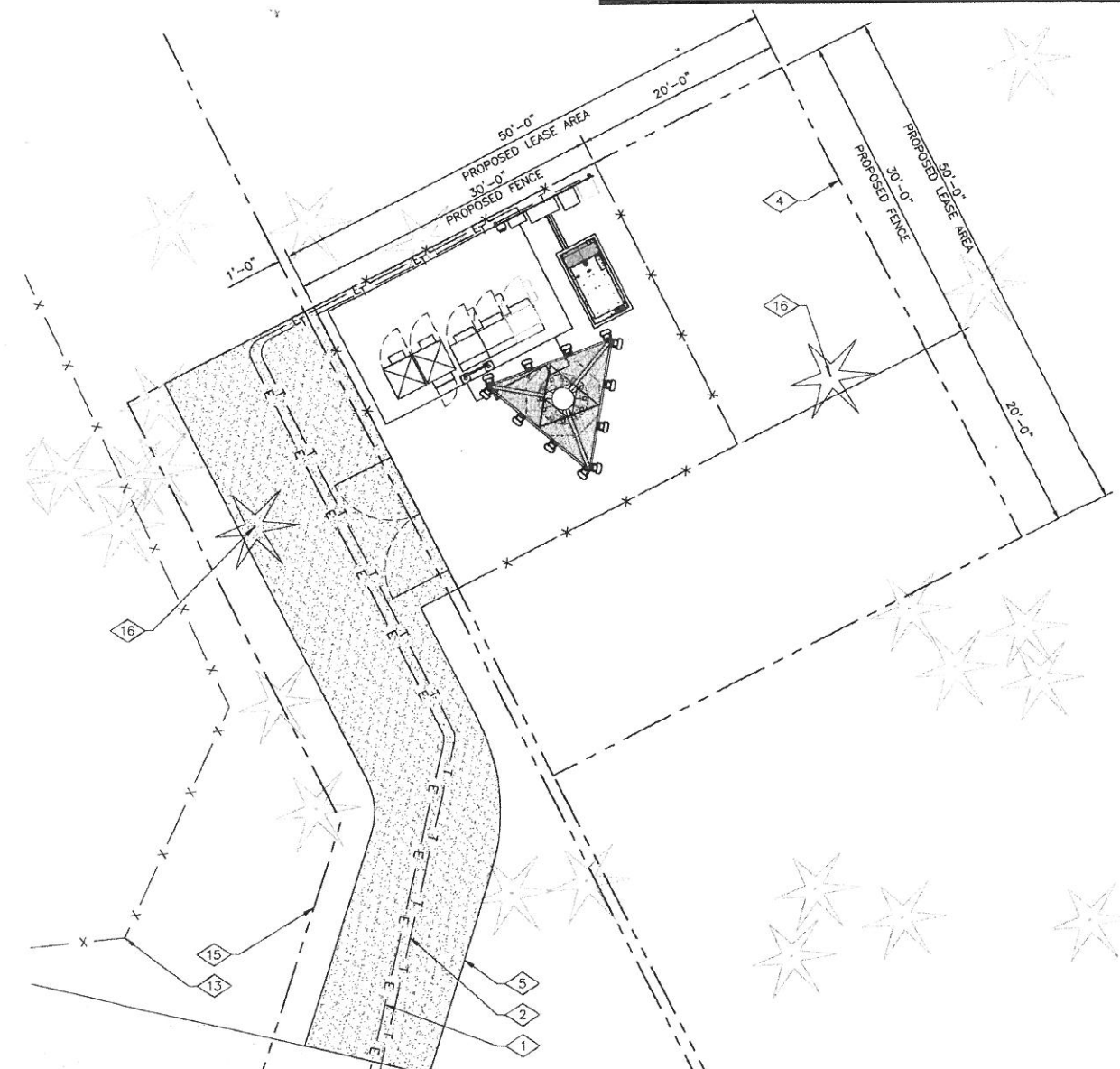
A-1.1

PROPOSED PROJECT AREA
SEE 1/A-2

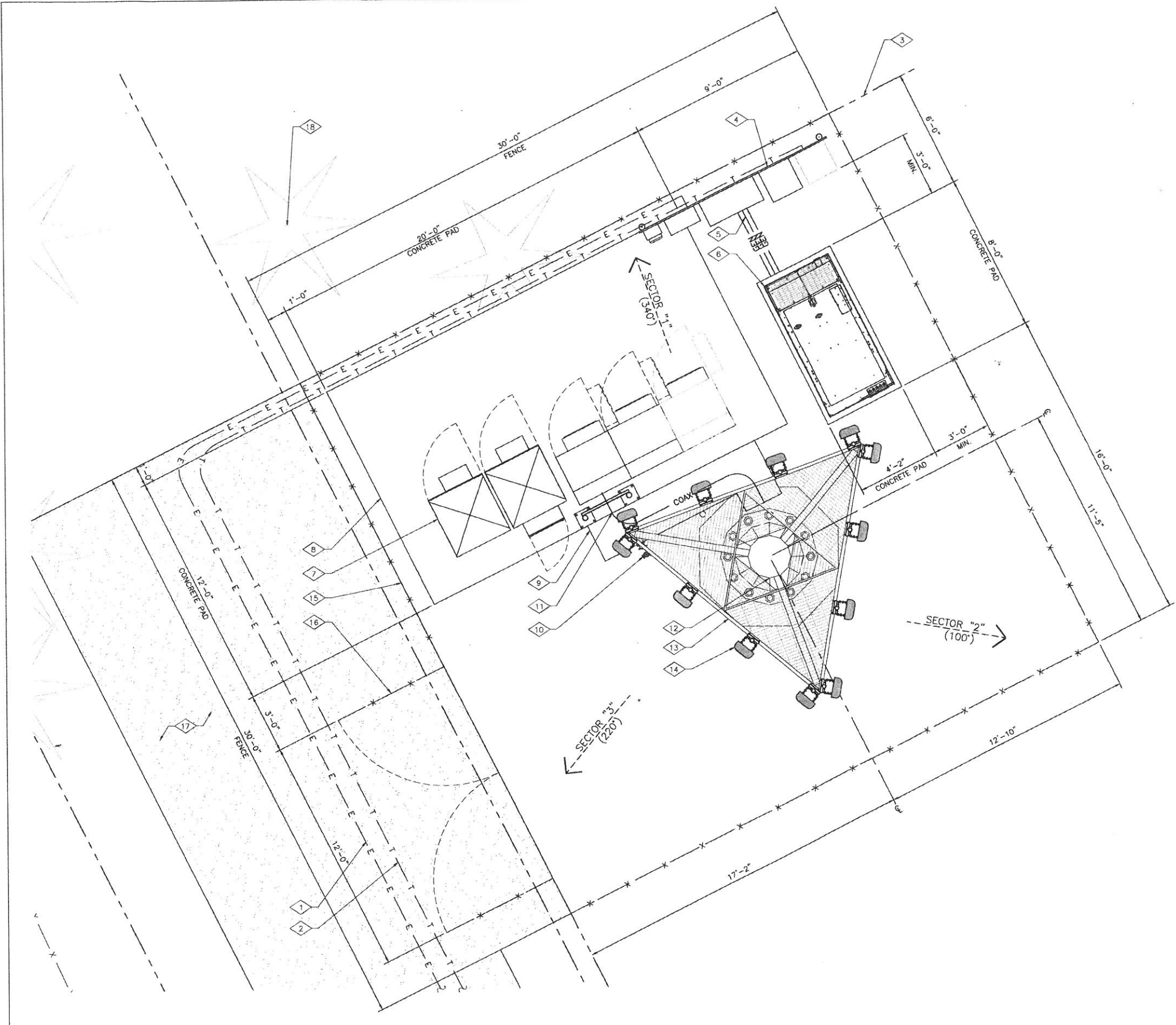


1
A-1.1
ENLARGED OVERALL SITE PLAN
SCALE FOR 24x36: 1" = 100'-0" SCALE FOR 11x17: 1" = 200'-0"

2
A-1.1
SITE PLAN



SCALE FOR 24x36: 1/8" = 1'-0" SCALE FOR 11x17: 1/16" = 1'-0"



- ### KEYED NOTES
- 1 PROPOSED VERIZON WIRELESS U.G. POWER ROUTE (SEE A-1 FOR CONTINUATION)
 - 2 PROPOSED VERIZON WIRELESS U.G. TELCO ROUTE (SEE A-1 FOR CONTINUATION)
 - 3 PROPOSED VERIZON WIRELESS 50'-0" X 50'-0" LEASE AREA
 - 4 PROPOSED VERIZON WIRELESS UTILITY RACK
 - 5 PROPOSED VERIZON WIRELESS U.G. GENERATOR CONTROL CONDUIT
 - 6 PROPOSED VERIZON WIRELESS PAD MOUNTED GENERATOR
 - 7 PROPOSED VERIZON WIRELESS PAD MOUNTED EQUIPMENT CABINETS (4 TOTAL, 1 FUTURE)
 - 8 PROPOSED VERIZON WIRELESS 12'-0" X 20'-0" CONCRETE PAD
 - 9 PROPOSED VERIZON WIRELESS 8'-0" HIGH ICE BRIDGE
 - 10 PROPOSED VERIZON WIRELESS GPS ANTENNA MOUNTED TO ICE BRIDGE POST
 - 11 PROPOSED VERIZON WIRELESS COAX ROUTE
 - 12 PROPOSED VERIZON WIRELESS 150'-0" HIGH MONOPOLE (DESIGNED BY OTHERS)
 - 13 PROPOSED VERIZON WIRELESS ANTENNA MOUNTING PLATFORM
 - 14 PROPOSED VERIZON WIRELESS ANTENNAS (12 TOTAL, 4 PER SECTOR)
 - 15 PROPOSED VERIZON WIRELESS 6'-0" HIGH CHAIN LINK FENCE WITH BARBED WIRE
 - 16 PROPOSED VERIZON WIRELESS 12'-0" WIDE ACCESS GATE
 - 17 PROPOSED VERIZON WIRELESS 12'-0" WIDE GRAVEL ACCESS ROAD
 - 18 EXISTING TREES (TYPICAL)

GENERAL NOTES

DIG NOTE:
CAUTION! CALL BEFORE YOU DIG! BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE-CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. 1-800-424-5555

POWER/TELCO NOTE:
POWER TO ORIGINATE FROM AN EXISTING PAD MOUNTED TRANSFORMER #268688/187774, THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1244'-6"±)

TELCO TO ORIGINATE FROM AN EXISTING COMMUNICATION VAULT, THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1837'-3"±)

GENERAL NOTES:
REFER TO 2/A-4 FOR GENERAL NOTES

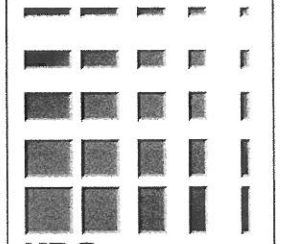
SECTOR	QUANTITY	TIP HEIGHT	ANT. SIZE	AZIMUTH	NUMBER OF COAX RUNS	COAX SIZE	COAX LENGTH
"1"	4 NEW	150'-0"	8'-0"	340°	6 NEW	1-5/8"	166'-0"±
"2"	4 NEW	150'-0"	8'-0"	100°	6 NEW	1-5/8"	166'-0"±
"3"	4 NEW	150'-0"	8'-0"	220°	6 NEW	1-5/8"	166'-0"±

1 ENLARGED SITE PLAN
A-2
SCALE FOR 24x36: 3/8" = 1'-0" SCALE FOR 11x17: 3/16" = 1'-0"
0 2' 4'
1' 3'
NORTH

PLANS PREPARED FOR:



PLANS PREPARED BY:



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ARCHITECTS.ENGINEERS, P.C.
4720 200TH STREET SW SUITE 200
LYNNWOOD, WA 98036
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LICENSURE:

DATE: 06/17/2009

DRAWN BY: JBB

CHECKED BY: EJC

REVISIONS

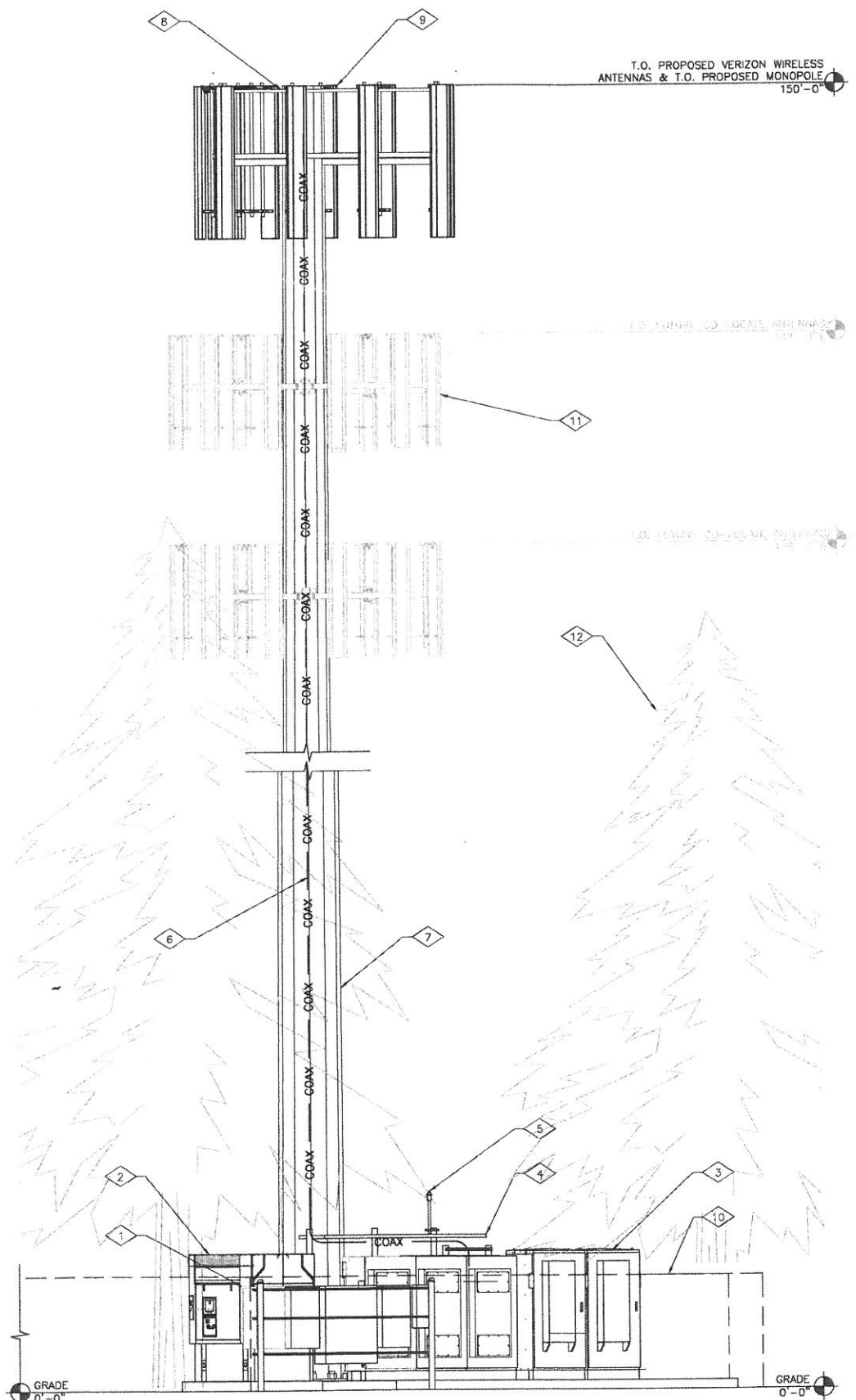
DATE	DESCRIPTION	BY
06/09/2009	ISSUED FOR 90% CD REVIEW	JBB
06/17/2009	ISSUED FOR CONSTRUCTION	JBB

PROJECT:

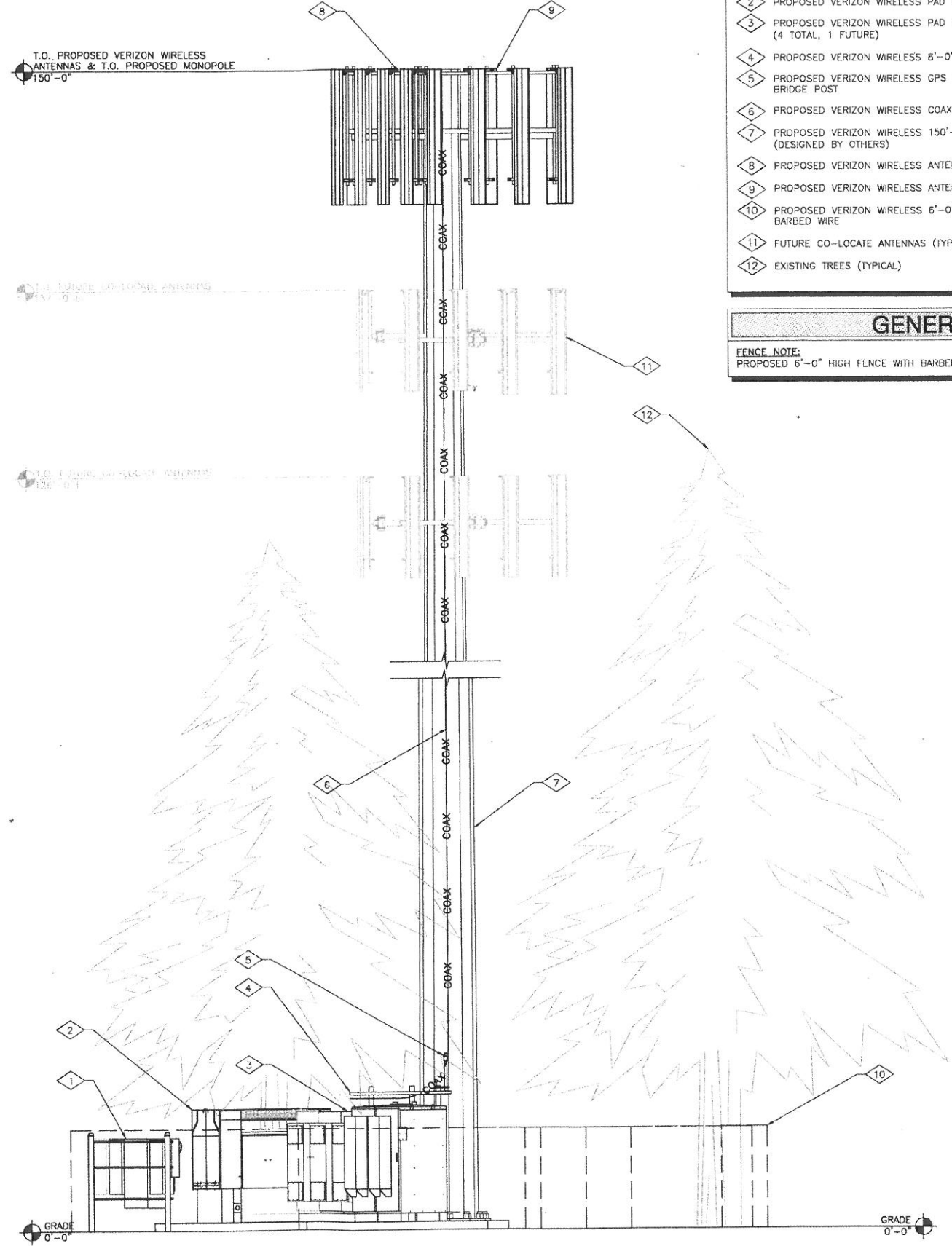
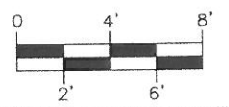
YAK-SUNCADIA

NNW STEAM GIN LOOP
CLE ELUM, WA 98922

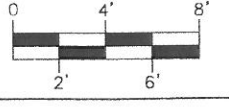
A-2



1 NORTH ELEVATION
 SCALE FOR 24x36: 1/4" = 1'-0" SCALE FOR 11x17: 1/8" = 1'-0"



2 WEST ELEVATION
 SCALE FOR 24x36: 1/4" = 1'-0" SCALE FOR 11x17: 1/8" = 1'-0"



- ### KEYED NOTES
- 1 PROPOSED VERIZON WIRELESS UTILITY RACK
 - 2 PROPOSED VERIZON WIRELESS PAD MOUNTED GENERATOR
 - 3 PROPOSED VERIZON WIRELESS PAD MOUNTED EQUIPMENT CABINETS (4 TOTAL, 1 FUTURE)
 - 4 PROPOSED VERIZON WIRELESS 8'-0" HIGH ICE BRIDGE
 - 5 PROPOSED VERIZON WIRELESS GPS ANTENNA MOUNTED TO ICE BRIDGE POST
 - 6 PROPOSED VERIZON WIRELESS COAX ROUTE
 - 7 PROPOSED VERIZON WIRELESS 150'-0" HIGH MONOPOLE (DESIGNED BY OTHERS)
 - 8 PROPOSED VERIZON WIRELESS ANTENNA MOUNTING PLATFORM
 - 9 PROPOSED VERIZON WIRELESS ANTENNAS (12 TOTAL, 4 PER SECTOR)
 - 10 PROPOSED VERIZON WIRELESS 6'-0" HIGH CHAIN LINK FENCE WITH BARBED WIRE
 - 11 FUTURE CO-LOCATE ANTENNAS (TYPICAL)
 - 12 EXISTING TREES (TYPICAL)

GENERAL NOTE

FENCE NOTE:
 PROPOSED 6'-0" HIGH FENCE WITH BARBED WIRE

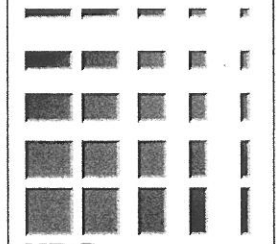
PAINT NOTE:

PROPOSED MONOPOLE ALONG WITH ALL PROPOSED AND FUTURE ATTACHMENTS TO BE PAINTED THE FOLLOWING COLOR SHERWIN WILLIAMS "DENSE FOREST" (SW2259)

PLANS PREPARED FOR:



PLANS PREPARED BY:



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LICENSURE:

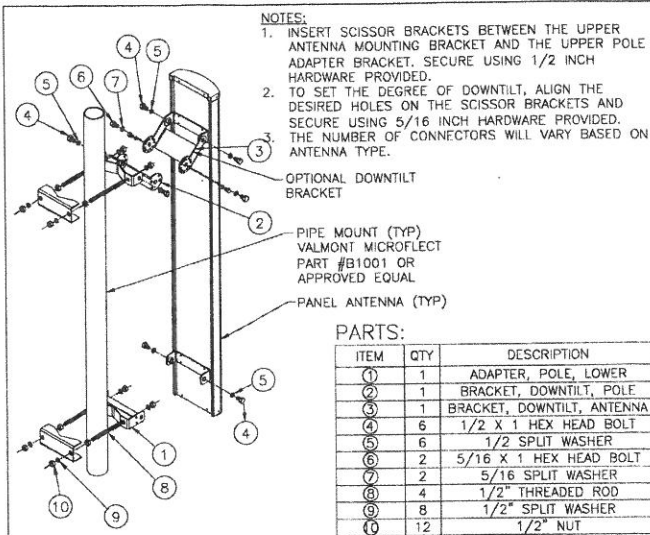
DATE: 06/17/2009
 DRAWN BY: JBB
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REVISIONS		
DATE	DESCRIPTION	BY
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PROJECT:
YAK-SUNCADIA

NNW STEAM GIN LOOP
 CLE ELUM, WA 98922

A-3



PARTS:

ITEM	QTY	DESCRIPTION
1	1	ADAPTER, POLE, LOWER
2	1	BRACKET, DOWNTILT, POLE
3	1	BRACKET, DOWNTILT, ANTENNA
4	6	1/2 X 1 HEX HEAD BOLT
5	6	1/2 SPLIT WASHER
6	2	5/16 X 1 HEX HEAD BOLT
7	2	5/16 SPLIT WASHER
8	4	1/2" THREADED ROD
9	8	1/2" SPLIT WASHER
10	12	1/2" NUT

1 ANTENNA MOUNTING DETAIL

A-4 NOT TO SCALE

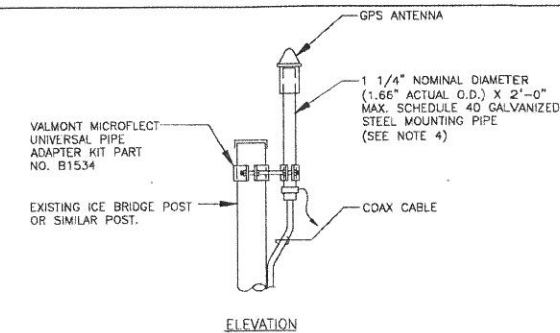
- GENERAL NOTES:**
1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND NATIONAL CODES, REGULATIONS AND SAFETY REGULATIONS, ALL OSHA REGULATIONS, ALL PUBLIC AND MUNICIPAL AUTHORITIES, AND ANY UTILITY COMPANIES' REGULATIONS AND DIRECTIVES.
 2. THE DRAWINGS AND SPECIFICATIONS ARE A GENERAL DIRECTIVE FOR THE SCOPE OF WORK. EXACT DIMENSIONS AND LOCATIONS MAY CHANGE IN THE FIELD. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS AND LOCATIONS AND REPORT ANY AND ALL DISCREPANCIES TO REPRESENTATIVE. ANY MINOR ERRORS AND OMISSIONS IN THE DRAWINGS AND SPECIFICATIONS DOES NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
 3. CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO CONFIRM LENGTHS OF CABLE TRAYS AND ELECTRICAL LINES AND ANTENNA MOUNTING.
 4. VERIFICATION THAT EXISTING TOWER/POLE CAN SUPPORT THE PROPOSED ANTENNA, COAX & ADDITIONAL EQUIPMENT LOADING IS TO BE DONE BY OTHERS.

2 GENERAL NOTES

A-4 NOT TO SCALE

3 NOT USED

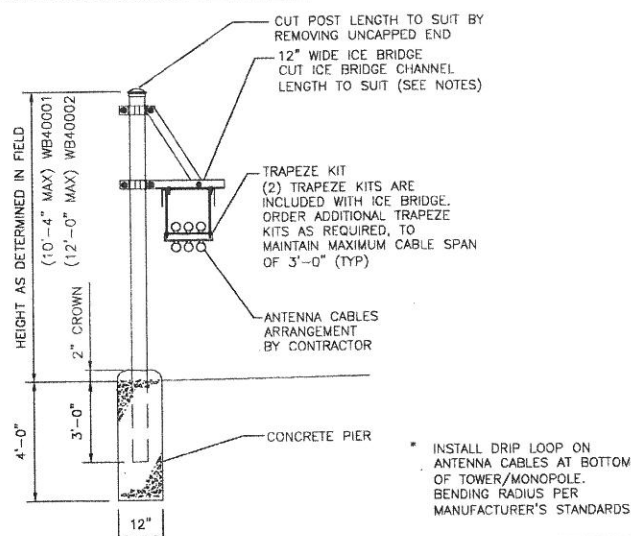
A-4 NOT TO SCALE



- NOTES:**
1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
 2. ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.
 3. THE WEIGHT OF THE ANTENNA MOUNT IS 6.5 LBS.
 4. IF ICE BRIDGE OR SIMILAR POST IS NOT GROUNDED, GROUND WITH #2 AWG TINNED BARE COPPER WIRE EXOTHERMICALLY BONDED TO POST AND CONNECTED TO GROUND RING.

4 GPS ANTENNA DETAIL

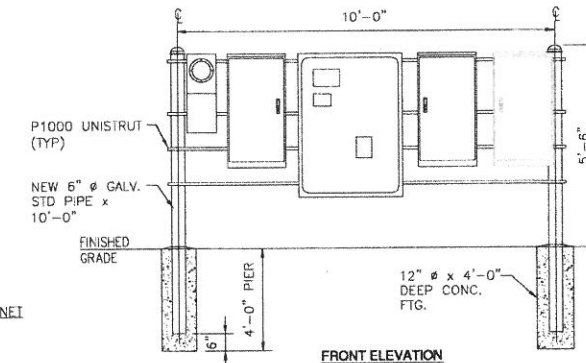
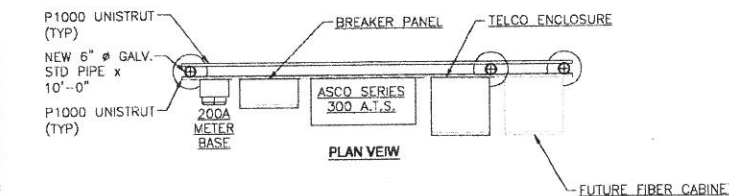
A-4 NOT TO SCALE



- NOTES:**
1. WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 9 FEET FOR 10 FEET BRIDGE CHANNEL.
 2. WHEN USING COMPONENTS FOR SPLICING BRIDGE CHANNEL SECTIONS, THE SPLICE SHOULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.
 3. WHEN USING COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CANTILEVER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.
 4. CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL, OR EQUIVALENT, FINISH.
 5. ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM OTHER MANUFACTURERS, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 6. DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
 7. DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.

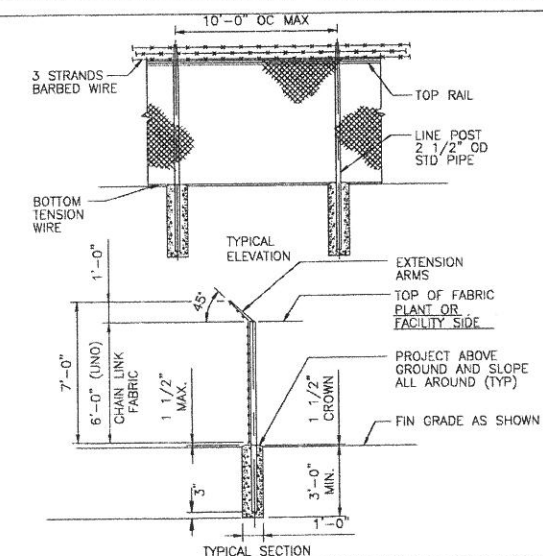
5 ICE BRIDGE DETAIL

A-4 NOT TO SCALE



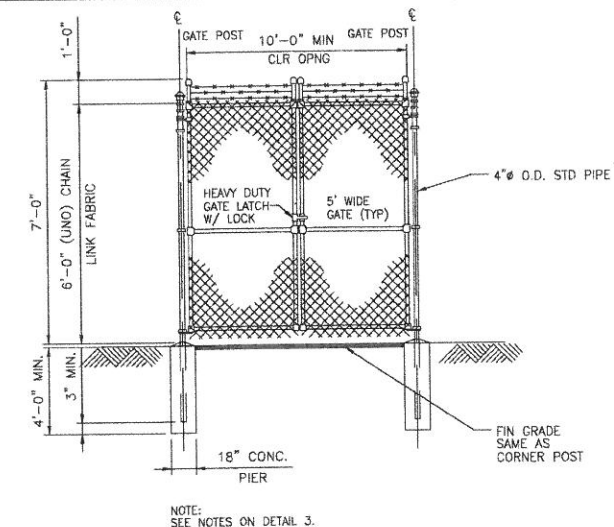
6 UTILITY RACK DETAIL

A-4 NOT TO SCALE



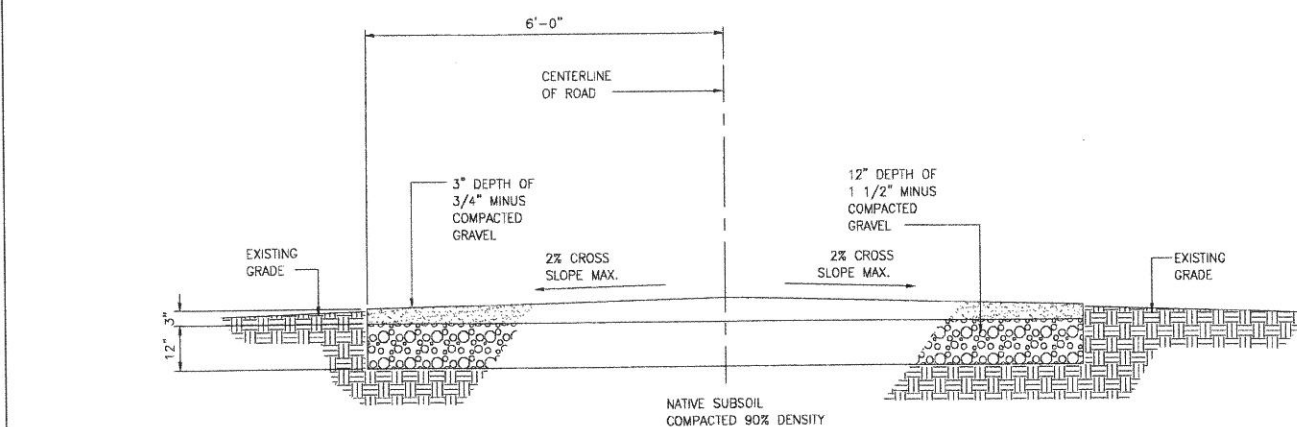
7 CHAIN LINK FENCE DETAIL

A-4 NOT TO SCALE



8 CHAIN LINK ACCESS GATE DETAIL

A-4 NOT TO SCALE



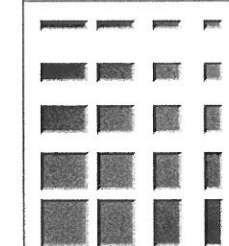
9 GRAVEL ACCESS ROAD DETAIL

A-4 NOT TO SCALE

PLANS PREPARED FOR:



PLANS PREPARED BY:



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LICENSURE:

DATE: 06/17/2009

DRAWN BY: JBB

CHECKED BY: EJC

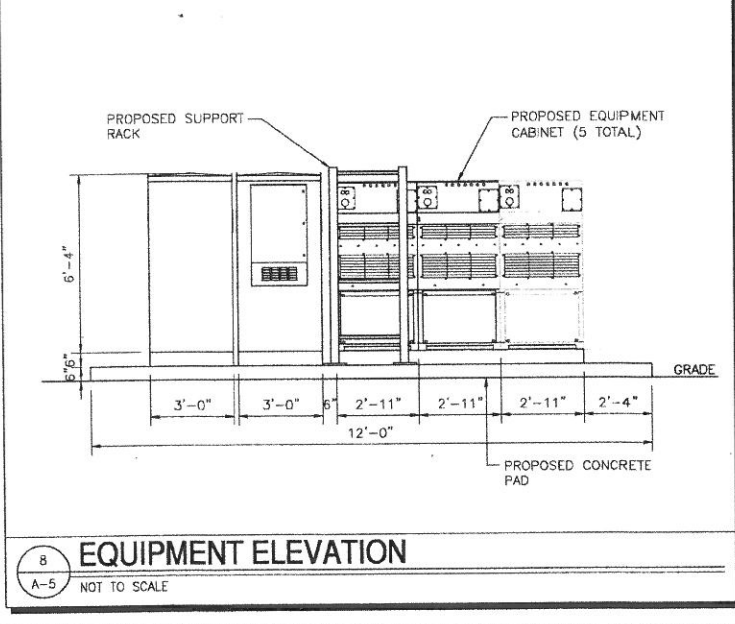
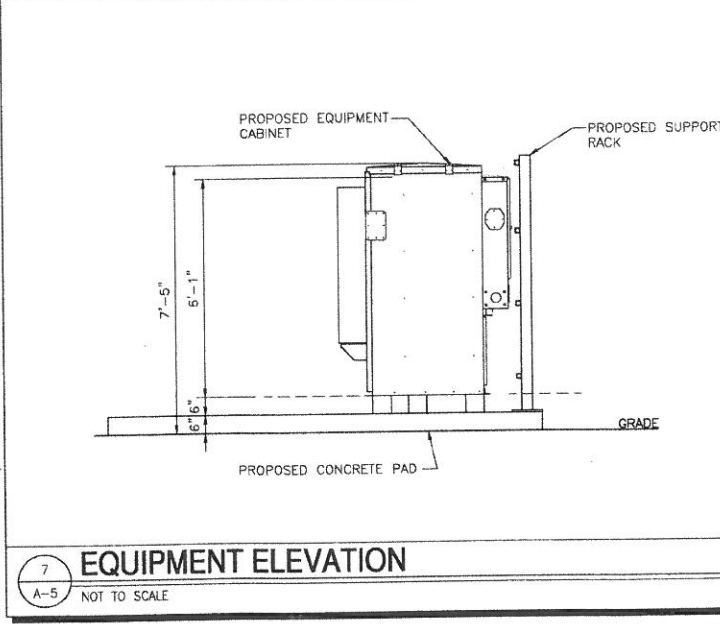
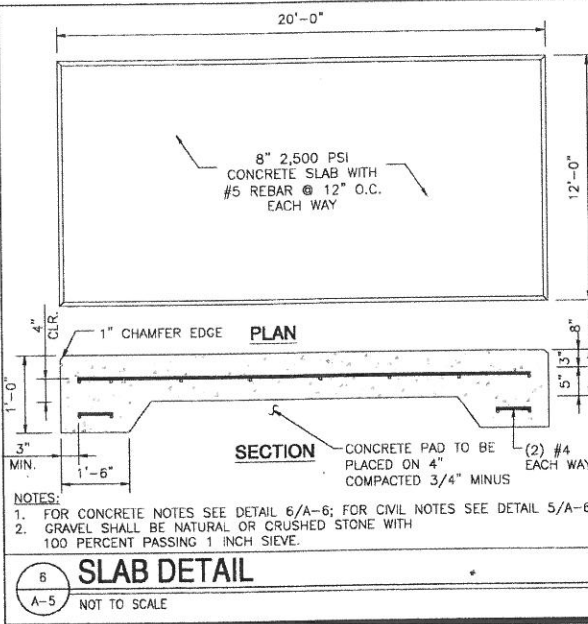
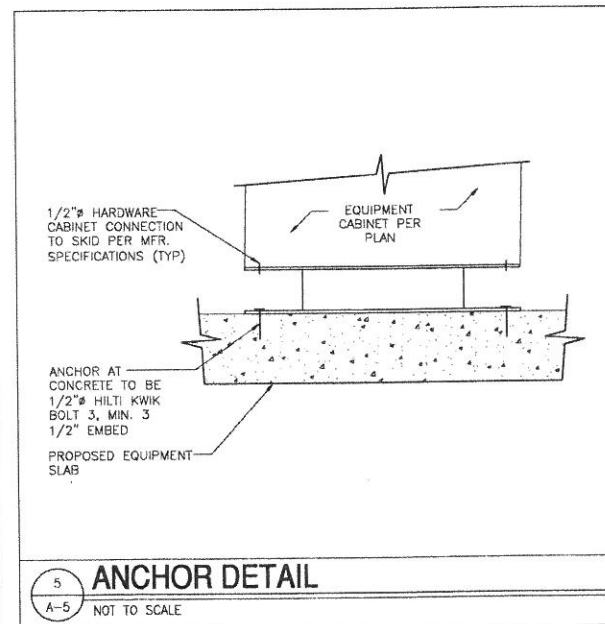
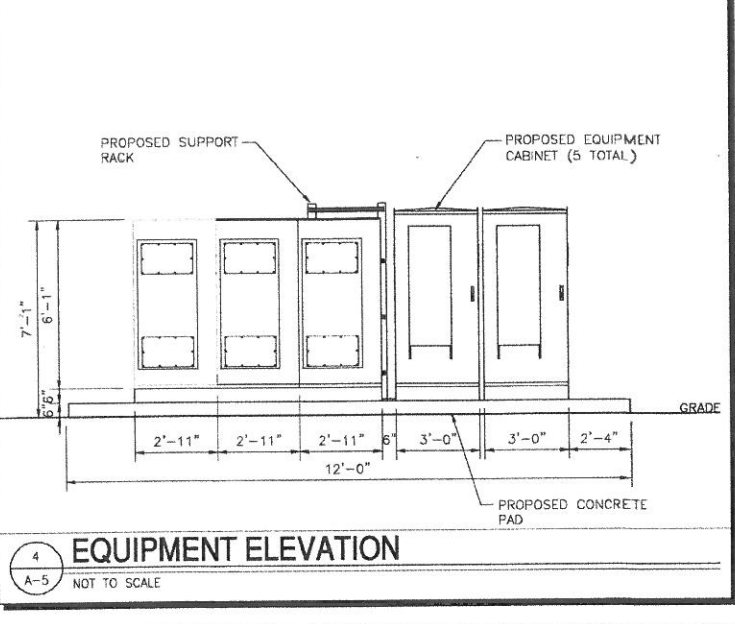
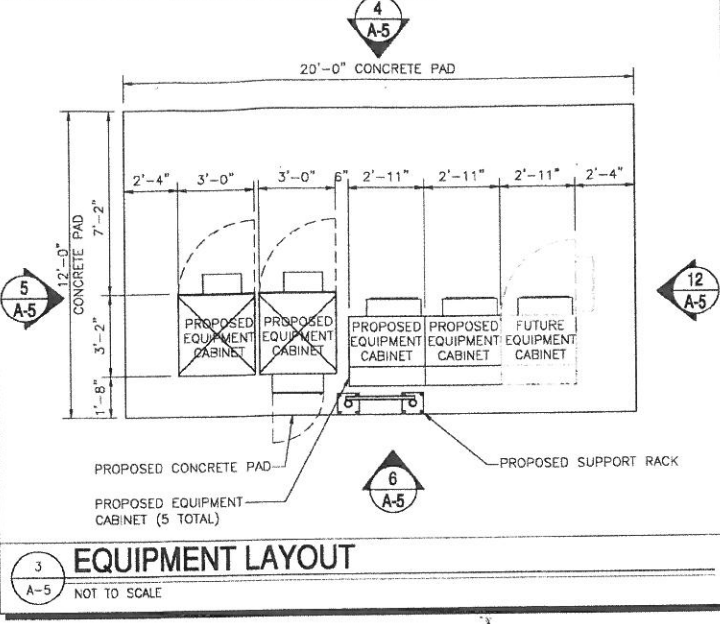
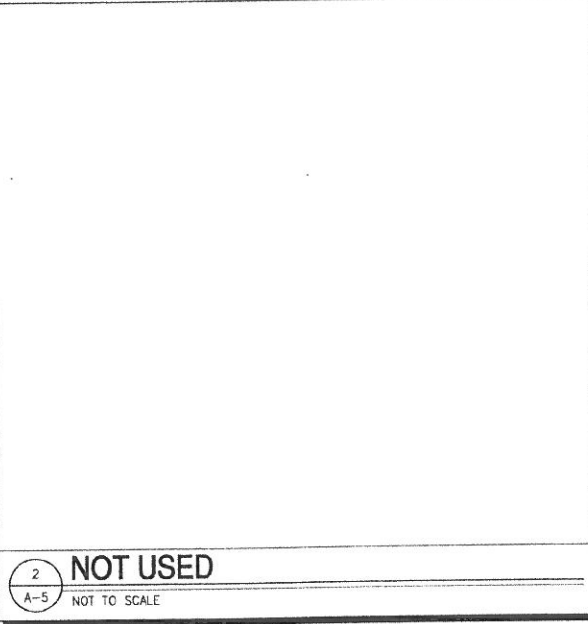
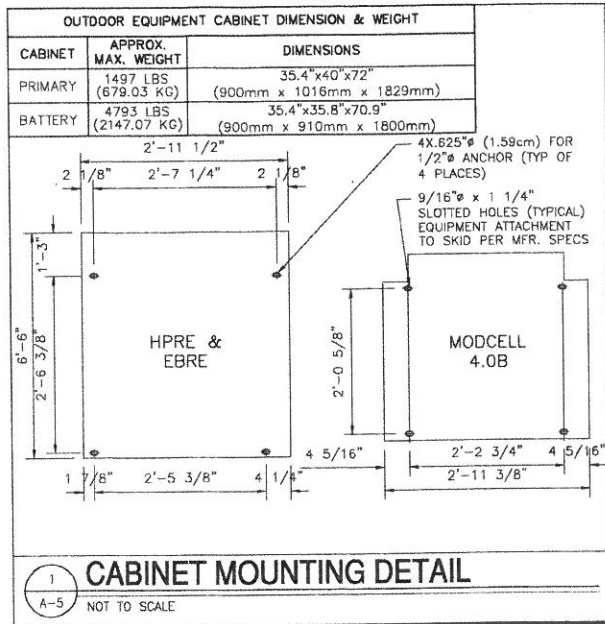
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DATE	DESCRIPTION	BY
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06/17/2009	ISSUED FOR CONSTRUCTION	JBB

PROJECT:
YAK-SUNCADIA

NNW STEAM GIN LOOP
CLE ELUM, WA 98922

A-4



1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND STIPULATED IN THE SPECIFICATION PROJECT SUMMARY.

2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT, TOWER AREAS, AND ADJACENT BUILDINGS.

4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO THE CRUSHED STONE APPLICATION.

SUBGRADE AND BASE PREPARATION:

1. FOR SLAB-ON-GRADE CONSTRUCTION IT WILL BE NECESSARY TO OVEREXCAVATE THE SITE BY 2'-0" AND IMPORT AN APPROVED GRANULAR FILL. THE FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY UNIT WEIGHT WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557). COMPACTION REQUIREMENTS APPLY TO BACKFILL FOR UTILITY TRENCHES AND FOUNDATION EXCAVATIONS WITHIN STRUCTURES, DRIVEWAYS, OR PARKING LOT AREAS.

2. COMPACTION SHALL BE ACCOMPLISHED BY PLACING THE FILL IN SUCCESSIVE, HORIZONTAL, APPROXIMATELY SIX- TO EIGHT-INCH LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY.

3. ANY ORGANIC MATERIAL, DELETERIOUS MATERIAL, OR DISTURBED SOIL SHALL BE REMOVED FROM FLATWORK AREAS.

4. THE GROUND SURFACE SURROUNDING EXTERIOR STRUCTURES SHALL BE SLOPED TO DRAIN AWAY IN ALL DIRECTIONS.

9 **CIVIL NOTES**
A-5 NOT TO SCALE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH A.C.I. 301, A.C.I. 318 AND THE SPECIFICATION CAST-IN-PLACE CONCRETE.

2. UNLESS NOTED OTHERWISE, ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT, AIR-ENTRAINED CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 POUNDS PER SQUARE INCH AT 28 DAYS. TYPE I-II PORTLAND CEMENT WILL BE USED WITH A MAXIMUM AGGREGATE SIZE OF 3/4" AND 6% ± 1% AIR ENTRAINMENT. ALL CONCRETE WILL HAVE A MAXIMUM WATER/CEMENT (W/C) RATIO OF 0.48.

3. ALL CONCRETE FLATWORK SHALL HAVE A STIFF BROOM FINISH AND HAVE A SLOPE OF 1/8" PER FOOT UNLESS NOTED OTHERWISE.

4. REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO A.S.T.M. A615, GRADE 60, DEFORMED.

5. DETAIL, FABRICATE AND ERECT REINFORCEMENT BARS, INCLUDING BAR SUPPORTS, SPACERS, ETC. IN ACCORDANCE WITH "DETAILING OF CONCRETE REINFORCEMENT" (A.C.I. 315-80, REV. 1986).

6. UNLESS OTHERWISE NOTED, ALL LAP SPLICES SHALL BE CLASS B CONFORMING TO ACI 318-95.

7. A CHAMFER OF 1" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH A.C.I. 301 SECTION 4.2.4 UNLESS OTHERWISE NOTED.

8. CONCRETE WORK SHALL BE COORDINATED WITH THE MECHANICAL, EQUIPMENT, AND ELECTRICAL WORK TO ASSURE THAT ALL AFFECTED PIPES, CONDUITS, INSERTS, ETC. ARE IN PLACE AND VERIFIED BEFORE PLACING CONCRETE.

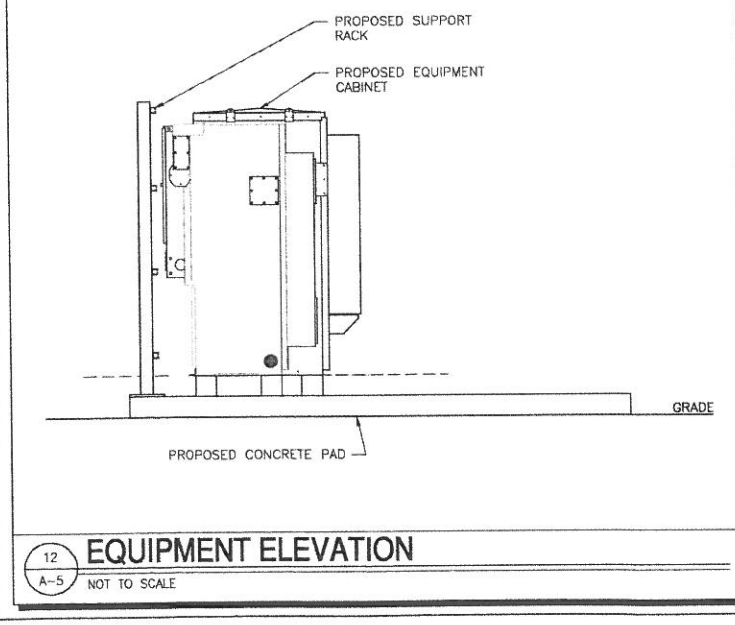
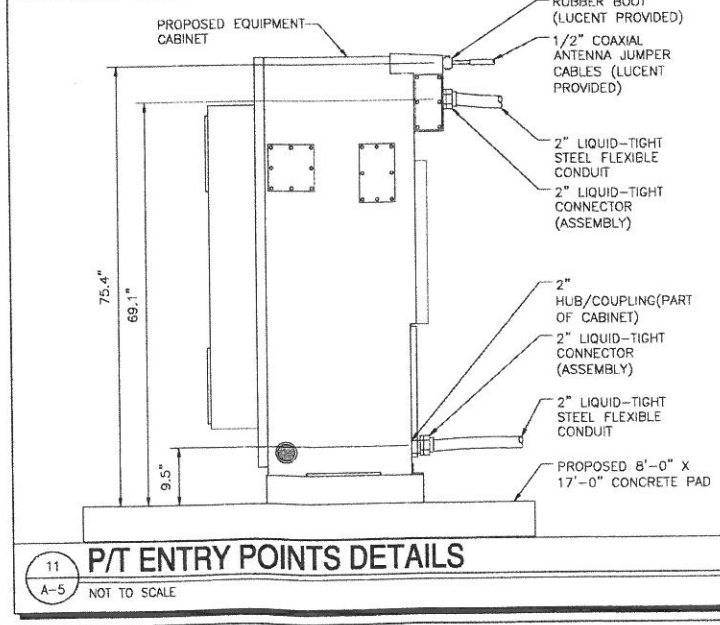
9. CONCRETE COVER FOR REINFORCING BARS SHALL CONFORM TO THE FOLLOWING UNLESS INDICATED OTHERWISE ON THE DRAWINGS:

- CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND - 2 INCHES
- CONCRETE CAST AGAINST EARTH- 3 INCHES

10. COORDINATE LOCATION OF STEEL ANCHOR BOLTS WITH STEEL FABRICATOR PRIOR TO INSTALLATION IN FIELD.

11. CONTRACTOR SHALL PROVIDE SLEEVES FOR ALL WALL/SLAB PENETRATIONS (PIPING, CONDUIT, ETC.), POWER, TELCO AND COAX TO ENTER SITE UNDER EQUIPMENT SLAB. SEE STUB-UP PLAN

10 **CONCRETE NOTES**
A-5 NOT TO SCALE



PLANS PREPARED FOR:

PLANS PREPARED BY:

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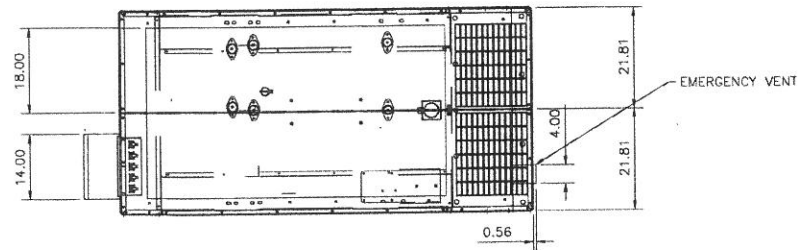
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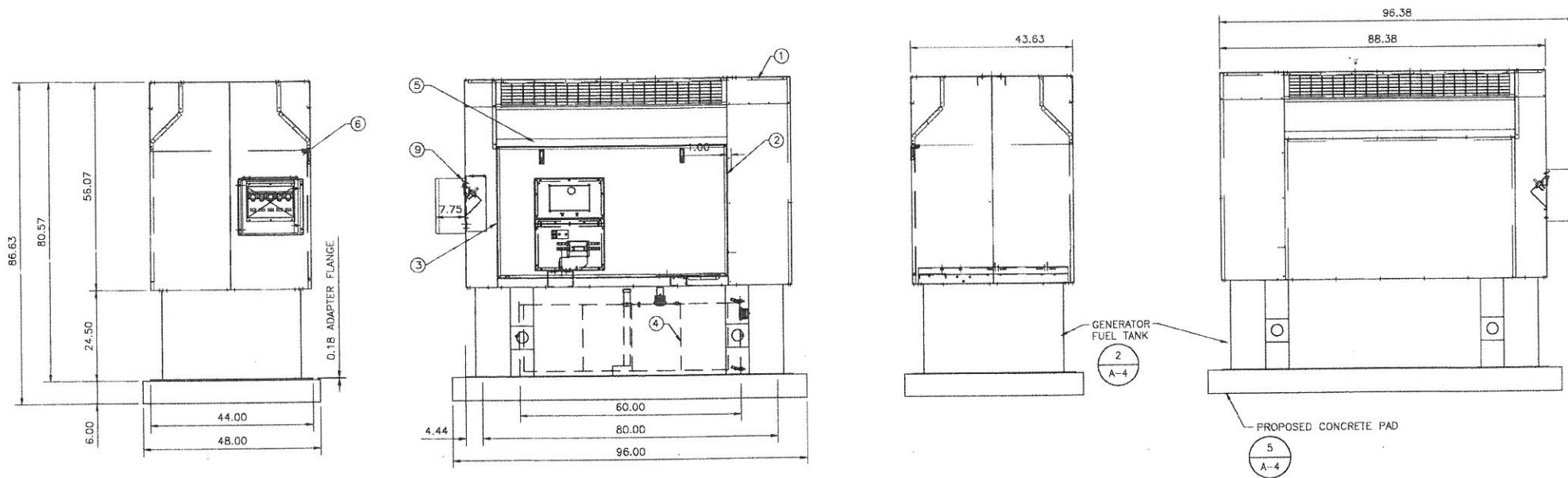
A-5



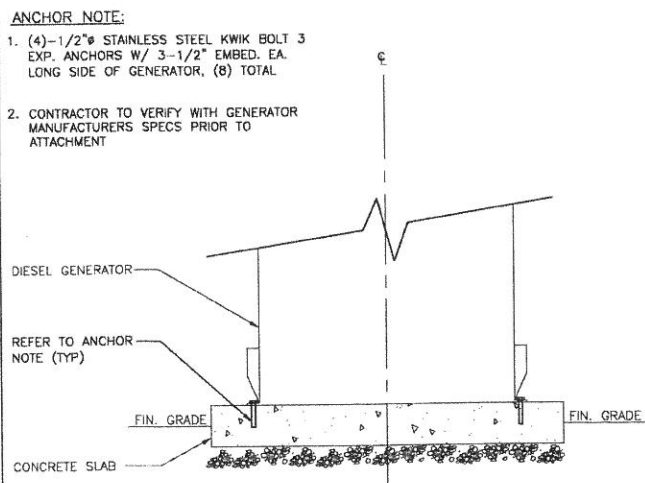
ITEM	MODEL NUMBER	QTY	DESCRIPTION	MANUFACTURER
7		1	CAM-LOK CONNECTOR ENCLOSURE	HOFFMAN
6		1	RECESSED CAMLOK PANEL	MQ POWER
5		1	CONTROL PANEL & CIRCUIT BREAKER BOX	MQ POWER
4		1	FUEL TANK, 210 GAL., DBL WALL - UL 142	SAUK
3		1	GENERATOR, CLASS H INS., 150 DEG C	MARATHON
2	4JG1TPV-410	1	ENGINE, W/ELEC. GOVERNOR, EPA TIER II	ISUZU
1	83 3/8" X 43 5/8" X 56"	1	ENCLOSURE, PRE-PAINTED ALUMINUM, WHITE	ERC CO.

MATERIAL LIST

MANUFACTURERS SPECS:	
	DESCRIPTION
DIMENSION	84.0"(213cm) x 34.0"(86cm) x 66.0"(168cm)
FUEL	DIESEL GAS
WEIGHT	1893 LBS (859kg) GENERATOR
NOISE DATA	---



1 GENERATOR DETAIL
A-4 NOT TO SCALE



2 GENERATOR CONNECTION DETAIL
A-4 NOT TO SCALE

ALL SIGNS SHALL BE UV-RESISTANT FOR OUTDOOR USE.

ALL SIGNS SHALL HAVE A MINIMUM 5-YEAR GUARANTEE WITHOUT SHOWING ANY SIGNS OF FADING OR DEGRADATION

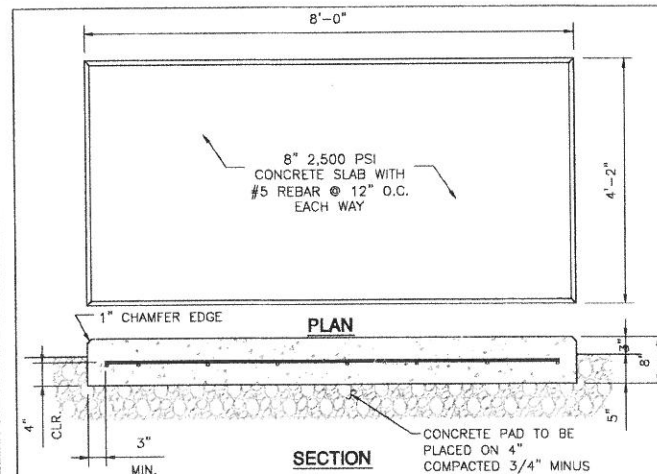
ALL SIGNS SHALL HAVE ROUNDED CORNERS WITH PRE-DRILLED HOLES AND WEATHER PROOF PRESSURE SENSITIVE ADHESIVE BACKING FOR MOUNTING.

ALL SIGNS SHALL BE PROVIDED PER THEIR SPECIFIC REQUIREMENTS, UNLESS OTHERWISE SPECIFIED DUE TO SIZE RESTRAINTS OR LANDLORD DEMANDS.

3 SIGNAGE NOTES
A-4 NOT TO SCALE



4 DANGER/TANK SIGNAGE
A-4 NOT TO SCALE



NOTES:

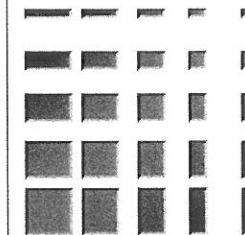
- FOR CONCRETE NOTES SEE DETAIL 10/A-4; FOR CIVIL NOTES SEE DETAIL 9/A-4.
- GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100 PERCENT PASSING 1 INCH SIEVE.

5 PAD DETAIL
A-4 NOT TO SCALE

PLANS PREPARED FOR:



PLANS PREPARED BY:



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CLE ELUM, WA 98922

A-6

HARDWARE LIST

SYM	QTY	DESCRIPTION
B9	12	5/8" X 2 1/4" A325 BOLT, NUT, & L.W.
FW1	50	3/8" FLATWASHER
H8	4	3/8" X 2 G5 BOLT, NUT, & L.W.
I5	12	1/2" X 1 1/4" G5 BOLT, NUT, & L.W.
J7	54	5/8" X 1 3/4" G5 BOLT, NUT, & L.W.
J24	18	5/8" X 6 G5 BOLT, NUT, & L.W.
UB1	36	1/2" X 2 1/2" X 4 U-BOLT, F.W., L.W. & NUT
Z1	50	3/8" X 1 3/4" SOCKET HEAD BOLT, NUT, L.W. & GRATING CLIP

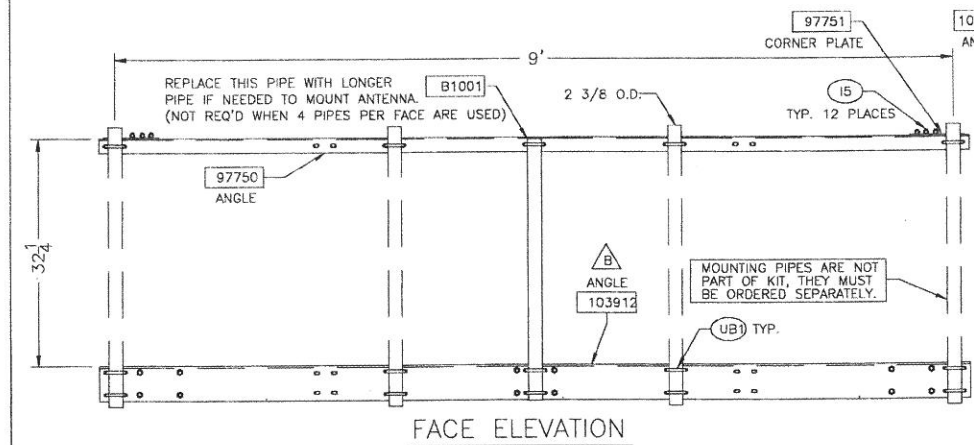
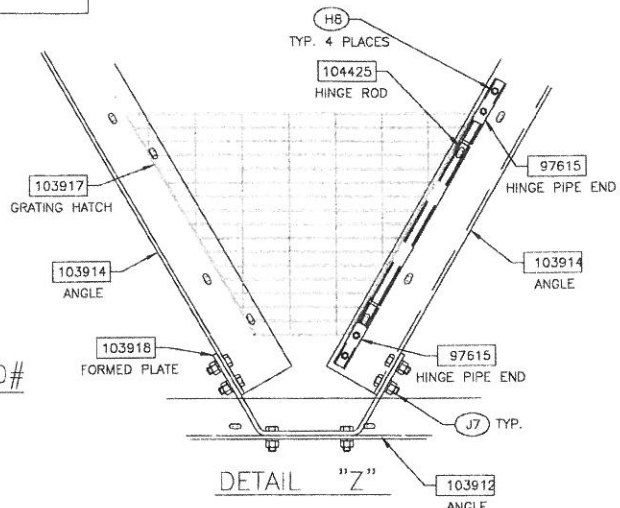
PARTS LIST

MARK	DESCRIPTION	QTY
B1001	2 3/8" OD X 48" PIPE	3
97605	PLATFORM ARM	3
97609	GRATING	3
97610	GRATING	2
97611	GRATING	3
97613	BACKING PLATE	3
97615	HINGE PIPE END	2
97749	BACKING PLATE	3
97750	ANGLE	3
97751	CORNER PLATE	3
103908	MOUNTING PLATE	3
103912	ANGLE	3
103914	ANGLE	3
103917	GRATING HATCH	1
103918	FORMED PLATE	3
104425	HINGE ROD	1
104426	CLIP ANGLE	3

TOTAL GALV. WT.: 1500#

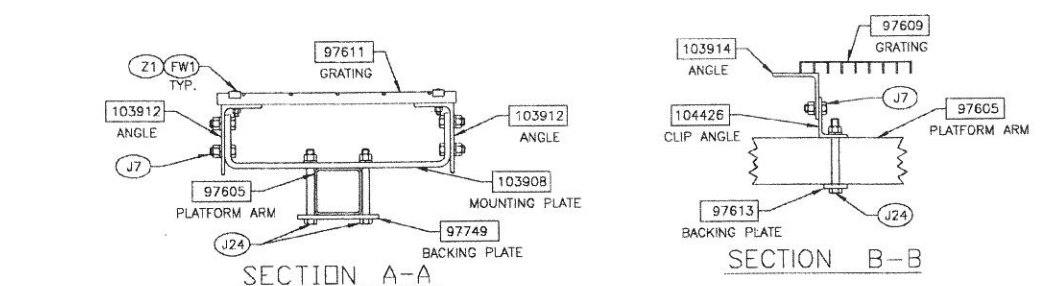
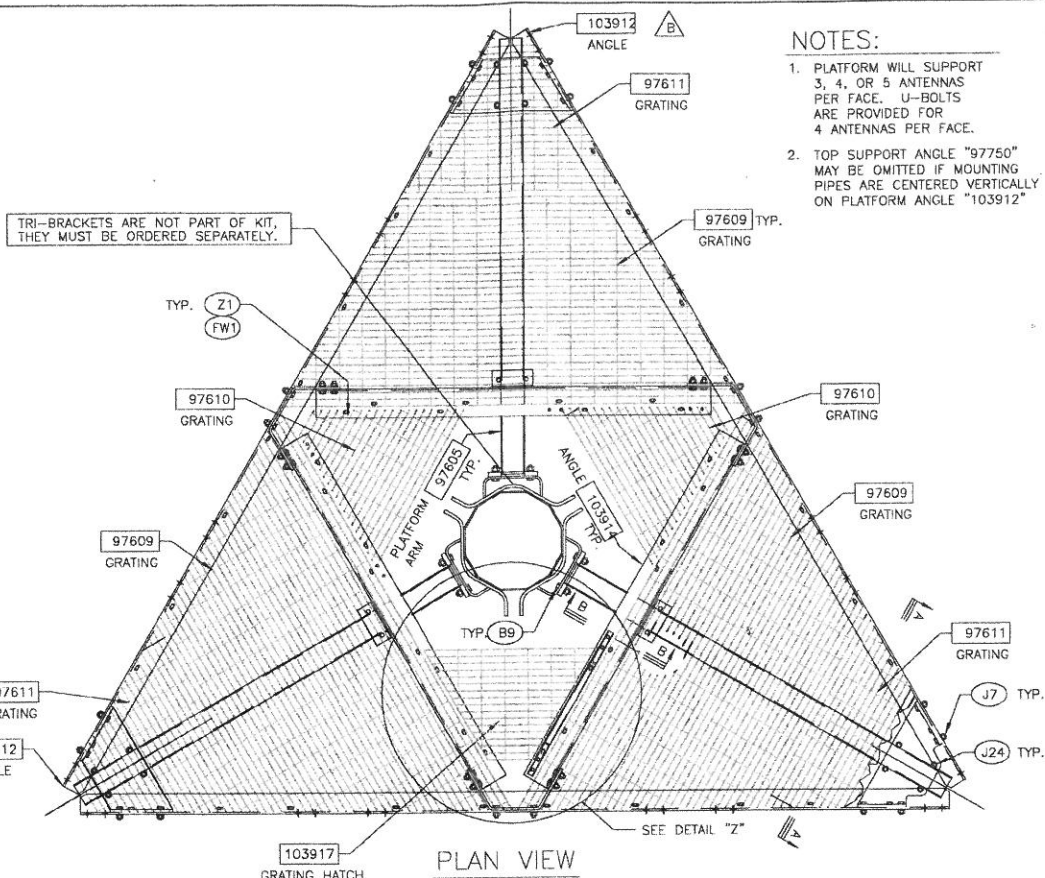
HATCH INSTALLATION NOTES:

INSTALL HINGE PIPE END "97615". INSERT HINGE ROD "104425" THROUGH PIPE ON HATCH "103917" AND INTO THE INSTALLED HINGE PIPE END. POSITION SECOND HINGE PIPE END "97615" ONTO HINGE ROD AND BOLT TO PLATFORM ANGLE "103914".



1 ANTENNA MOUNTING PLATFORM DETAIL

A-7 NOT TO SCALE



5 GENERAL NOTES

A-7 NOT TO SCALE

NOTES:

1. PLATFORM WILL SUPPORT 3, 4, OR 5 ANTENNAS PER FACE. U-BOLTS ARE PROVIDED FOR 4 ANTENNAS PER FACE.
2. TOP SUPPORT ANGLE "97750" MAY BE OMITTED IF MOUNTING PIPES ARE CENTERED VERTICALLY ON PLATFORM ANGLE "103912"

2 NOT USED
A-7 NOT TO SCALE

3 NOT USED
A-4 NOT TO SCALE

4 ANTENNA MOUNTING DETAIL

A-7 NOT TO SCALE

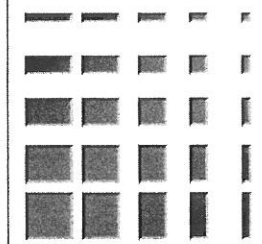
6 NOT USED
A-7 NOT TO SCALE

7 NOT USED
A-7 NOT TO SCALE

PLANS PREPARED FOR:



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LICENSURE:

DATE: 06/17/2009

DRAWN BY: JBB

CHECKED BY: EJC

REVISIONS

DATE	DESCRIPTION	BY
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PROJECT:
YAK-SUNCADIA
NNW STEAM GIN LOOP
CLE ELUM, WA 98922

A-7

NOTES:

- INSTALLATION OF SECONDARY POWER AND CONNECTION TO METER SHALL BE COMPLETED IN COMPLIANCE WITH NATIONAL ELECTRIC CODE, NFPA 70, AND THE STATE OF WASHINGTON LAWS, RULES AND REGULATIONS FOR INSTALLING ELECTRIC WIRES & EQUIPMENT, ALL LATEST ISSUE, AND WITH SPECIFICATIONS PER A.S.T.M. B 231, B 400, I.C.E.A. 5651-401, I.C.E.A. PB1-570, & LOCAL PUD.
- PROVIDE A METER BASE PER LOCAL UTILITY STANDARDS. MOUNT ON SIDE OF OWNER FURNISHED BACK BOARD.
- UNDERGROUND CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE CONDUIT, SCHEDULE 40, TYPE 1, CONFORMING TO UL ARTICLE 651; WESTERN PLASTICS OR CARLON MANUFACTURER. COUPLINGS SHALL BE SLP-ON SOLVENT SEALED T PIPE; SOLVENT, WESTERN TYPE COMPATIBLE WITH PVC DUCT. ALL BENDS SHALL BE "WIDE SWEEP" TYPE WITH A 24" MINIMUM RADIUS. ALL CONDUIT UNDER ROADS SHALL BE RGS, (OR PVC ENCASED IN 8"x18" RED CONCRETE DUCTBANK).
- CONDUIT USED INDOORS SHALL BE E.M.T., AND RIGID GALVANIZED STEEL FOR OUTDOORS. COUPLINGS SHALL BE RIGID STEEL AND COMPRESSION TYPE FOR E.M.T. SET SCREW FITTINGS ARE NOT PERMITTED. FOR ALL STUBS-UPS, USE RIGID GALVANIZED STEEL CONDUIT.
- WIRE AND CABLE SHALL BE OF THE TYPE AND SIZE AS REQUIRED BY NEC. THERE WILL BE NO SPLICES ALLOWED. PROVIDE HDPE PULLING HAND HOLES AS NEEDED.
- CONTRACTOR SHALL PROVIDE TEST OF THE GROUNDING SYSTEM BY CERTIFIED TESTING AGENT. PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT MANAGER FOR REVIEW. GROUNDING SYSTEM RESISTANCE TO GROUND SHALL NOT EXCEED 5 OHMS. ALL ABOVE GRADE INTERIOR GROUNDING CONNECTORS SHALL BE DOUBLE-LUG COMPRESSION TYPE. ALL BELOW GRADE AND EXPOSED EXTERIOR GROUNDING CONNECTIONS TO PERMANENT EQUIPMENT AND FIXED BUILDING ELEMENTS SHALL BE CADWELD TYPE. CARE SHALL BE TAKEN TO REVIEW CONNECTION LOCATIONS AND MATERIAL TYPES TO AVOID POSSIBLE GALVANIC CORROSION. ALL EXPOSED GROUNDING CONNECTIONS TO BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS "NO-OXY", "NOAOLX" OR "PENETROX". VERIFY PRODUCT WITH PROJECT MANAGER. ALL BOLTS, WASHERS AND NUTS USED ON GROUNDING CONNECTIONS SHALL BE STAINLESS STEEL.
- ALL EXTERIOR GROUND BARS SHALL BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS LPS-3 OR AS PER NOTE 6 ABOVE.
- ALL JUNCTION AND OUTLET BOXES TO BE LABELED WITH KROY TAPE, OR EQUAL, DESIGNATING ALL CIRCUIT NUMBERS CONTAINED IN EACH BOX.
- CONTRACTOR TO ENSURE ILC PROVIDED WITH (2) INTERNAL TVSS.
- CONTRACTOR SHALL COORDINATE WITH SITE SURVEY TO LOCATE EXISTING UNDERGROUND UTILITIES. WHEREVER POTENTIAL CONFLICTS/ INTERFERENCES EXIST, HAND EXCAVATE TO AVOID DAMAGE. CONTACT ALL UTILITIES TO LOCATE UNDERGROUND PIPING IN PUBLIC ROW.
- VERIFY THAT A.I.C. OF THE UTILITY DOES NOT EXCEED THE A.I.C. RATING OF THE PROVIDED EQUIPMENT SHELTER PACKAGE. IF OVER 10KVA, PROVIDE FUSIBLE SERVICE ENTRANCE SWITCH AND CONFIRM LOWERING OF AIC TO ACCEPTABLE LEVELS.
- UTILITY JOINTS OF SERVICE AND WORK / MATERIALS SHOWN ARE BASED UPON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK / MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES, CABLES, PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, PAY ALL UTILITY COMPANY FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.

A

225 A BUS

240 / 120 VOLT, 1 PHASE, 3 WIRE

10000 AMPERE PANEL SHORT CIRCUIT RATING

PANEL TYPE: SQUARE D
PANEL MOUNTING: SURFACE

NOTE: NEMA 3R ENCLOSURE

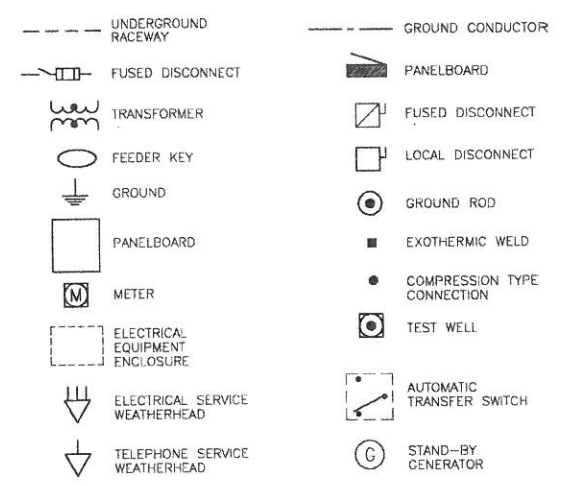
DESCRIPTION	TOTAL (VA)	BREAKER A / P	CCT PH	CCT	BREAKER A / P	TOTAL (VA)	DESCRIPTION
TELE RECEPT	360	20 / 1	1 A	2	50 / 2	0	SURGE ARRESTOR
BATTERY CHARGER	1200	20 / 1	3 B	4	50 / 2	0	SURGE ARRESTOR
BLOCK HTR	1600	30 / 2	5 A	6	50 / 2	0	SURGE ARRESTOR
SPACE	1600	20 / 1	7 B	8	80 / 2	0	POWER CABINET
SPACE		20 / 1	9 A	10	80 / 2	7680	
SPACE		20 / 1	11 B	12	80 / 2	7680	

LOAD TYPE	CONNECTED LOAD	PANEL POWER FACTOR	LOAD FACTOR	NEC CALCULATED LOAD
LIGHTING				
INCANDESCENT	0.0 KW @	100% =	0.0 @ 100% =	0.0 KVA
FLUORESCENT	0.0 KW @	95% =	0.0 @ 100% =	0.0 KVA
RECEPTACLES				
FIRST 10 KW	0.4 KW @	100% =	0.4 @ 100% =	0.4 KVA
REMAINDER	0.0 KW @	100% =	0.0 @ 50% =	0.0 KVA
MOTORS				
LARGEST	0.0 KW @	80% =	0.0 @ 125% =	0.0 KVA
REMAINDER	0.0 KW @	80% =	0.0 @ 100% =	0.0 KVA
OTHER	15.4 KW @	100% =	15.4 @ 100% =	15.4 KVA
TOTAL	15.7 KW		15.7 KVA	15.7 KVA
PHASE "A"	8.0 KW	PANEL POWER FACTOR	A-B	96% PHASE BALANCE
PHASE "B"	7.7 KW			

GROUNDING NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
- PREFABRICATED SHELTER WILL BE PROVIDED WITH INTERNAL WIRING AND EQUIPMENT INSTALLED. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY SHELTER MANUFACTURER.
- FOR INTERIOR EQUIPMENT LAYOUT AND LOCATION, SEE SHELTER MANUFACTURER'S DRAWINGS AND SPECIFICATION. IN CASE OF CONFLICT THE DRAWINGS GOVERN.
- ALL GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMIC (CADWELD).
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORMED USING TWO (2) HIGH PRESS CRIMPS.
- ALL EXOTHERMIC CONNECTIONS TO THE GROUND RODS SHALL START AT THE TOP & HAVE A VERTICAL SEPARATION OF 6" FOR EVERY ADDITIONAL CONNECTION.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- ALL EXTERIOR GROUND CONDUCTORS SHALL BE #2 AWG TIN PLATED COPPER UNLESS OTHERWISE INDICATED.
- GROUND RODS SHALL BE STAINLESS STEEL OR COPPER CLAD STEEL, 5/8"Ø 10-FT. LONG, AND SHALL BE DRIVEN VERTICALLY WITH THEIR TOPS 18" BELOW FINAL GRADE OR 6" BELOW FROST LINE FOR MAXIMUM DEPTH.
- CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
- INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE PAD, SPREAD FOOTING, OR FENCE.
- EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
- OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
- GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM)
- MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED 5 OHMS.

ELECTRICAL LEGEND:



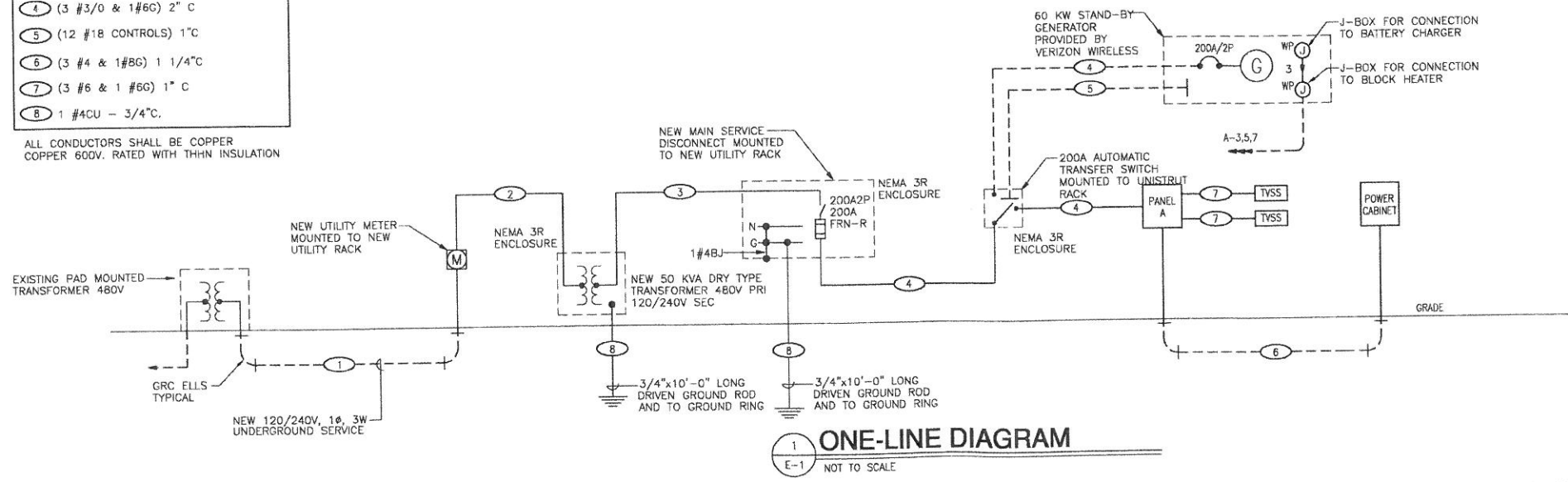
ABBREVIATIONS

- AWG AMERICAN WIRE GAUGE
- BCW BARE COPPER WIRE
- DWG DRAWING
- EMT ELECTRICAL METALLIC TUBING
- GEN GENERATOR
- IGR INTERIOR GROUND RING (HALO)
- IMC INTERMEDIATE METALLIC CONDUIT
- MGB MASTER GROUND BAR
- PCS PERSONAL COMMUNICATION SYSTEM
- RGS RIGID GALVANIZED STEEL
- RWY RACEWAY
- TYP TYPICAL

FEEDER SCHEDULE

- 1 (4 #1) 1 1/2" C
- 2 (2 #1) 1 1/4" C
- 3 (3 #3/0) 2" C
- 4 (3 #3/0 & 1 #6G) 2" C
- 5 (12 #18 CONTROLS) 1" C
- 6 (3 #4 & 1 #6G) 1 1/4" C
- 7 (3 #6 & 1 #6G) 1" C
- 8 1 #4CU - 3/4" C.

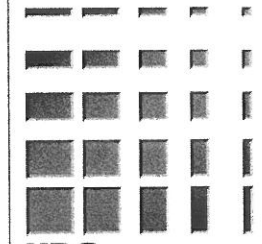
ALL CONDUCTORS SHALL BE COPPER
COPPER 600V. RATED WITH THHN INSULATION



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DATE: 06/17/2009
DRAWN BY: JBB
CHECKED BY: EJC

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E-1

GROUNDING NOTE

GROUNDING PLAN DEPICTIONS OF EXISTING GROUND RINGS AND GROUND LINE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT LOCATION OF GROUNDING PLAN PRIOR TO CONSTRUCTION. VERIFICATION OF EXISTING MONOPOLE GROUND RING LOCATION TO BE DONE IN FIELD.

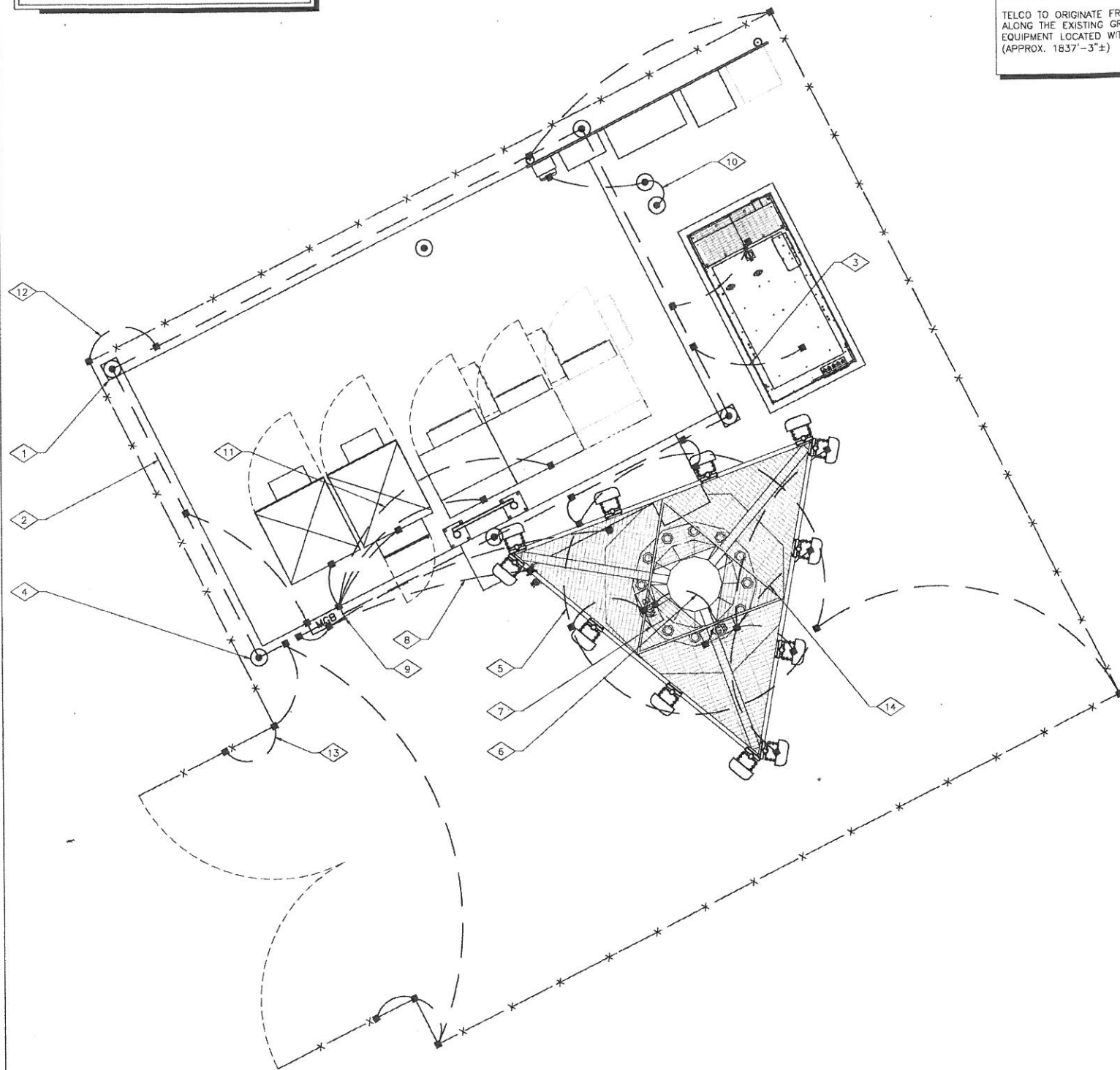
GENERAL NOTES

POWER/TELCO NOTE:
POWER TO ORIGINATE FROM AN EXISTING PAD MOUNTED TRANSFORMER #268688/187774, THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1244'-6"±)

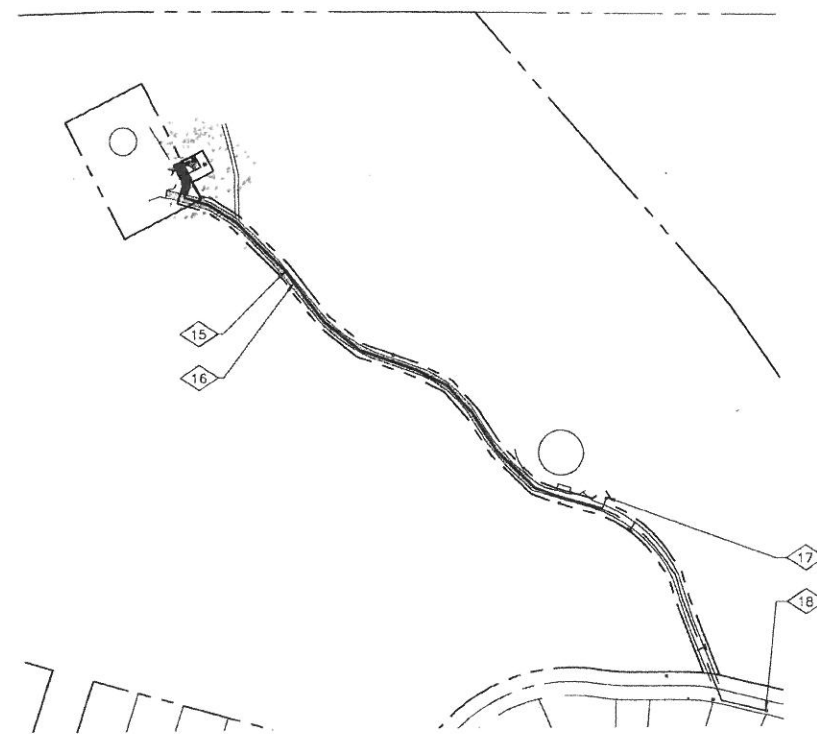
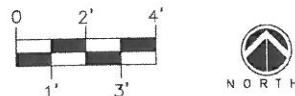
TELCO TO ORIGINATE FROM AN EXISTING COMMUNICATION VAULT, THEN ROUTE POWER U.G. ALONG THE EXISTING GRAVEL ACCESS ROAD TO THE PROPOSED VERIZON WIRELESS EQUIPMENT LOCATED WITHIN THE PROPOSED 50'-0" X 50'-0" LEASE AREA. (APPROX. 1837'-3"±)

KEYED NOTES

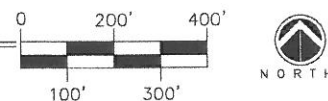
- 1 GROUND TEST WELL (MIN. OF 2 PLACES) 5
E-3
- 2 #2 AWG BTCW GROUND RING, TYP. 2
E-3
- 3 CONNECT PROPOSED GENERATOR, TO PROPOSED GROUND RING W/ #2 BTCW (PER MANUFACTURES SPECS.)
- 4 GROUND ROD SPACING @ 10'-0" O.C. MIN. 15'-0" O.C. MAX 3
E-3
- 5 #2 AWG BTCW MONOPOLE GROUND RING, TYP. AGB AT ANTENNAS 2
E-3
- 6 CONNECT AGB TO MGB WITH (2) #2 BTCW 6
E-3
- 7 MGB @ BASE OF TOWER 1
E-3
- 8 CONNECT ICE BRIDGE TO GROUND RING, (TYP ALL ICEBRIDGE POST)
- 9 MASTER GROUND BUS BAR PROVIDED BY EQUIPMENT MANUFACTURER 1
E-3
- 10 CONNECT PROPOSED SERVICE UTILITY RACK AS PER N.E.C. CODE
- 11 CONNECT MASTER GROUND BUS BAR PROVIDED BY EQUIPMENT MANUFACTURER TO PROPOSED GROUND RING WITH (2) #2 BTCW 8
E-3
- 12 CONNECT FENCE POSTS TO PROPOSED GROUND RING WITH (2) #2 BTCW
- 13 CONNECT GATE SWING TO PROPOSED GROUND RING WITH (2) #2 BTCW (TYPICAL AT EACH POST)
- 14 CONNECT PROPOSED ANTENNA WITH #2 BTCW TO AGB (TYPICAL AT EACH ANTENNA)
- 15 PROPOSED VERIZON WIRELESS U.G. POWER ROUTE
- 16 PROPOSED VERIZON WIRELESS U.G. TELCO ROUTE
- 17 EXISTING PAD MOUNTED TRANSFORMER #268688/187774 (POINT OF VERIZON WIRELESS POWER CONNECTION)
- 18 EXISTING COMMUNICATION VAULT (POINT OF VERIZON WIRELESS TELCO CONNECTION)



1
E-2.1
EQUIPMENT GROUNDING PLAN
SCALE FOR 24x36: 3/8" = 1'-0" SCALE FOR 11x17: 3/16" = 1'-0"



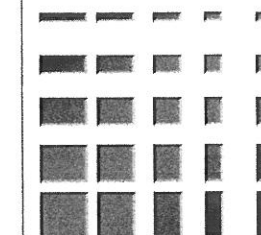
2
E-2
ELECTRICAL SITE PLAN
SCALE FOR 24x36: 1" = 200'-0" SCALE FOR 11x17: 1" = 400'-0"



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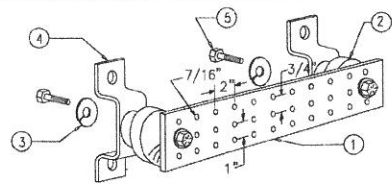
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E-2

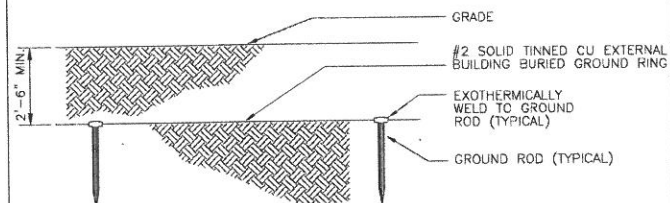


LEGEND

- 1- COPPER GROUND BAR 4" X 4" X 20", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
- 2- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL
- 3- 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL
- 4- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056 OR EQUAL
- 5- 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR EQUAL
- 6- INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

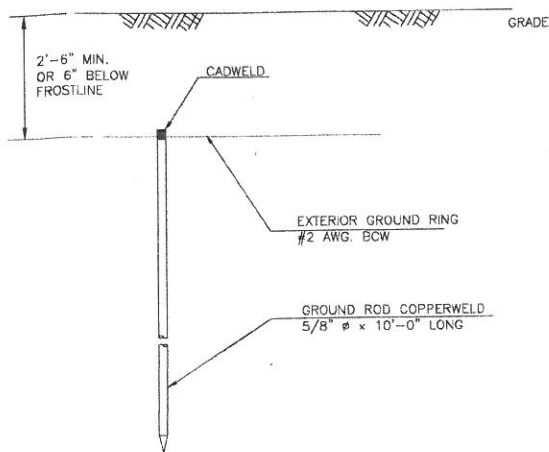
1 TYPICAL GROUND BAR DETAIL

E-3 NOT TO SCALE



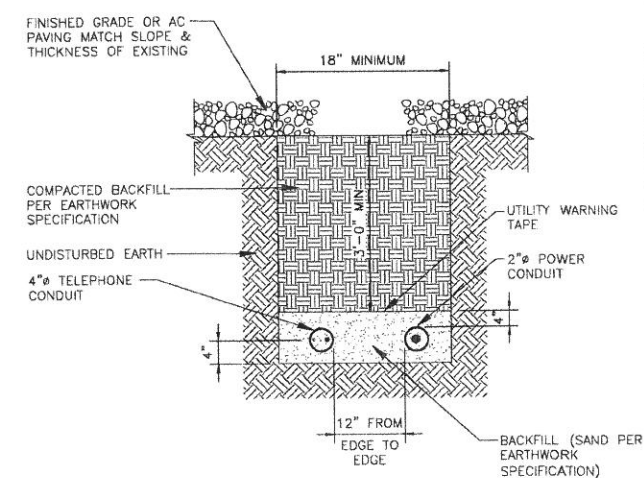
2 EXTERIOR GROUND RING DETAIL

E-3 NOT TO SCALE



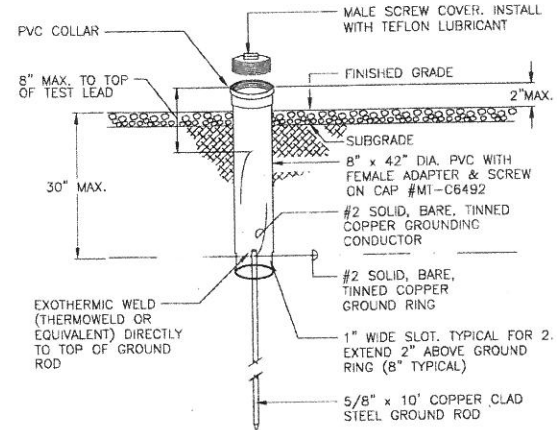
3 GROUND ROD DETAIL

E-3 NOT TO SCALE



4 POWER/TELEPHONE TRENCH DETAIL

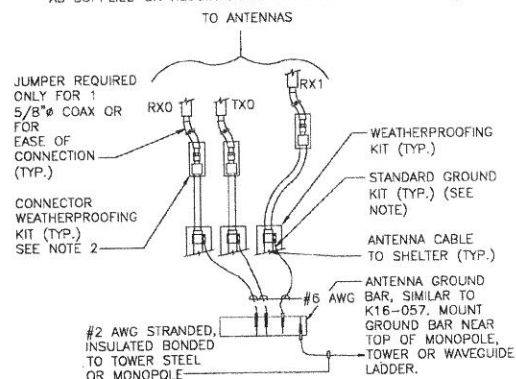
E-3 NOT TO SCALE



5 GROUND TEST WELL

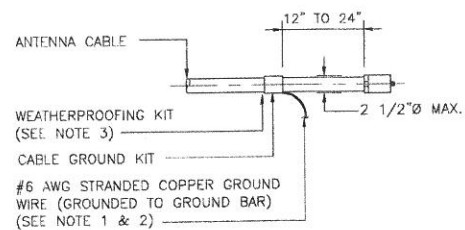
E-3 NOT TO SCALE

- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
 2. WEATHER PROOFING SHALL BE ANDREWS. (TYPE & PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)



6 ANTENNA GROUND BAR

E-3 NOT TO SCALE



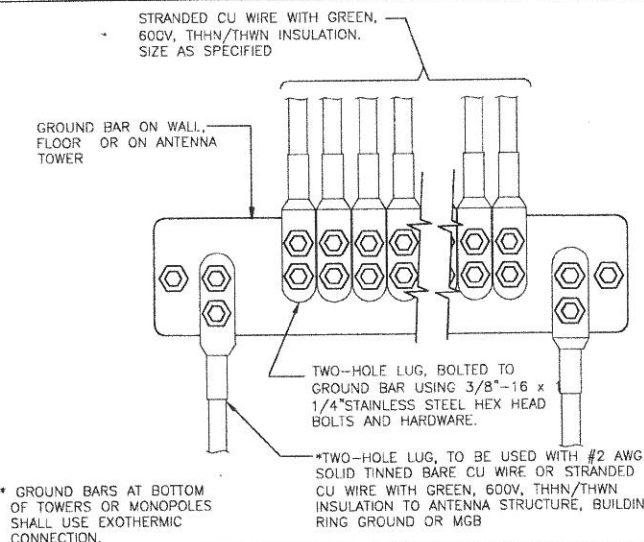
CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE ANDREW SUREGROUND TYPE KIT WITH TWO-HOLE LUG.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

7 CABLE GROUNDING DETAIL

E-3 NOT TO SCALE



8 GROUND BAR CONNECTION

E-3 NOT TO SCALE

9 NOT USED

E-3 NOT TO SCALE

10 NOT USED

E-3 NOT TO SCALE

11 NOT USED

E-3 NOT TO SCALE

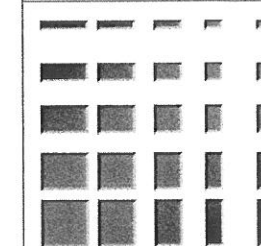
12 NOT USED

E-3 NOT TO SCALE

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E-3