

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION AND DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES OR MODIFICATIONS THEY MAY IMPOSE.

LANDLORD _____ DATE _____
 CLEARURE _____ DATE _____

DRAWING INDEX

SHEET	CONTENTS	REV
SEA232 -T01	TITLE SHEET	5
SEA232 -N01	GENERAL NOTES	5
SEA232 -C00	OVERALL SITE PLAN	5
SEA232 -C01	ENLARGED SITE PLAN	5
SEA232 -C02	SITE PLAN & ELEVATION	5
SEA232 -C03	EQUIPMENT DETAILS	5
SEA232 -C04	ANTENNA DETAILS	5
SEA232 -E01	ELECTRICAL, GROUNDING PLAN & DETAILS	5
SEA232 -L01	LANDSCAPING PLAN	5

PROPRIETARY NOTE:

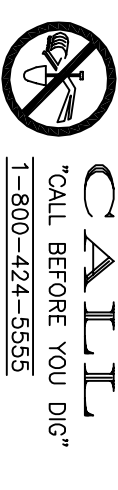
THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE, ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CLEARURE SERVICE IS STRICTLY PROHIBITED.

APPROVAL BLOCK

SYMBOLS & ABBREVIATIONS

- (N) NEW
- (E) EXISTING
- CENTER LINE
- PROPERTY LINE
- X FENCE LINE
- G GROUND WIRE
- OH- OVERHEAD POWER
- OH- OVERHEAD TELCO
- UGP UNDERGROUND POWER CONDUIT
- UGT UNDERGROUND TELCO CONDUIT

At all new services & grounding trenches, provide "WARNING" tape at 12" below grade.



UTILITY NOTIFICATION CENTER OF WASHINGTON STATE

clearwire®

Site Number: WA-SEA232-C
 Site Name: PSE SE 1681 KERN

VICINITY MAP



DRIVING DIRECTIONS:

FROM 405 NORTH EXIT 20B RIGHT ON 124TH ST. FOLLOW 124TH ST 0.4 MILES EAST TO 162 PL NE TURN RIGHT/SOUTH TO NE 122ND. FOLLOW FOR 0.4 MILES TO SITE ON LEFT HAND SIDE

SITE GPS COORDINATES:

LATITUDE (NAD 83): 47° 42' 34"
 LONGITUDE (NAD 83): -122° 6' 48.6"
 ELEVATION: 334' AMSL

PROJECT INFORMATION

SCOPE OF WORK: AN UNMANNED TELECOMMUNICATION FACILITY INCLUDING NEW CLEARURE ANTENNAS ON AN EXISTING 100' UTILITY POLE AND A SITE SUPPORT CABINET IN THE SITE COMPOUND.
SITE ADDRESS: 16924 NE 122ND ST, REDMOND, WA 98052
TOWER OWNER: PUGET SOUND ENERGY, PHONE: (206) 462-3281
APPLICANT: CLEARURE US LLC
JURISDICTION: CITY OF REDMOND
CURRENT ZONE: SFR
PROPOSED USE: TELECOMMUNICATIONS FACILITY
PROPERTY OWNER: PSE, OBC IN 10602 NE FOURTH ST, BELLVIEW, WA 98004, 2526059009
PARCEL #: 2526059009

SITE QUALIFICATION PARTICIPANTS

A/E	NAME	COMPANY	NUMBER
	RICK MATTESON	PINNACLE DESIGN GROUP, INC.	(425) 710-8132
	PAUL PETERSON	CLEARURE	(425) 417-4573
	FRANK WIGNER	CLEARURE	(206) 423-6685
	MARIANNE McDOWELL	PSE	(425) 462-3281
	TODD WALTON	CLEARURE	(206) 334-4116

UTILITY CONTACTS

POWER COMPANY: AVAILABLE AT SITE, NO SERVICE COMPANY INFORMATION
TELEPHONE COMPANY: AVAILABLE AT SITE, NO SERVICE COMPANY INFORMATION

P I N N A C L E
 DESIGN GROUP, INC.
 TELECOMMUNICATIONS COMMERCIAL RESIDENTIAL
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clearwire®
 5508 LAKE WASHINGTON BLVD.
 SUITE 300
 KIRKLAND, WA 98023

SITE NAME: PSE SE 1681 KERN
SITE NO. WA-SEA232-C
 16984 NE 122ND ST
 REDMOND, WA 98052

NO.	DATE	REVISIONS	BY	CHK	APP'D	SCALE:
5	08/28/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS	AS SHOWN
4	07/27/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS	DESIGNED BY: RM
3	06/21/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS	DRAWN BY: KM

PINNACLE DESIGN GROUP, INC.
 LYNNWOOD, WA
TITLE SHEET
 DRAWING NUMBER
WA-SEA232-C T01
 REV 5

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE 2003 AND SHALL MEET OR EXCEED THE STRICTER OF APPLICABLE COUNTY CODES AND REGULATIONS, LATEST EDITIONS.
2. ANTENNAS, CABINETS AND COAXIAL CABLE SHALL BE PROVIDED BY CLIENT. CONTRACTOR SHALL COORDINATE SCHEDULE OF DELIVERY TO AVOID DELAYS.
3. DAMAGE TO ALL UTILITIES, LAND DRIVEWAY AREAS AND PROPERTY OF OTHERS, DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO THE ORIGINAL CONDITION AT THE COMPLETION OF WORK.
4. CONTRACTOR SHALL COORDINATE WITH THE LOCAL POWER AND TELEPHONE UTILITIES AND THE CONSTRUCTION MANAGER TO CONFIRM THE SOURCE OF SERVICE, PRIOR TO INSTALLATION OF CONDUITS.
5. EXISTING VEGETATION AND ORGANIC MATERIALS SHALL BE REMOVED FROM THE CONCRETE PAD AREA, FILL SITE TO DESIGN ELEVATION (CLEAN SANDY SOIL COMPACT UNDER CONCRETE PAD TO OBTAIN NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D551).
6. REGRADE AROUND PAD AS REQUIRED TO ALLOW MAXIMUM 3" OF PAD THICKNESS, EXTENDING ABOVE GRADE.
7. ALL WORK SHALL BE DONE SATISFACTORY IN A PROFESSIONAL WORKMANLIKE MANNER SUBJECT TO INSPECTION DURING THE CONSTRUCTION AND FINAL APPROVAL BY THE CONSTRUCTION MANAGER.
8. ANY SUBSTITUTIONS OF MATERIALS, EQUIPMENT OR ALTERATIONS FROM THE PLANS AND/OR SPECIFICATIONS SHALL BE APPROVED BY THE CONSTRUCTION MANAGER.
9. COLOR SELECTION SHALL BE COORDINATED WITH CONSTRUCTION MANAGER.
10. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS AND BRING DISCREPANCIES TO THE ATTENTION OF CONSTRUCTION MANAGER.
11. CONTRACTOR SHALL CONTACT SUBSURFACE UTILITY LOCATOR FOR EXACT LOCATION OF EXISTING UTILITIES, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS BY TEST PIT, AS NECESSARY. EXACT LOCATION OF UTILITIES SHOWN ON PLAN ARE APPROXIMATE & FOR PLANNING PURPOSES ONLY.
12. CONTRACTOR SHALL DOCUMENT THE 'AS BUILT' LOCATIONS OF ALL BURIED UTILITIES, INCLUDING POWER, GROUNDING, ETC..
13. CONTRACTOR SHALL SECURE THE NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENT AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.
14. TOWER AND TOWER FOUNDATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
15. CONTRACTOR SHALL VISIT THE PROJECT SITE TO VIEW ALL CONDITIONS PRIOR TO SUBMITTING BID. ANY CHANGES DURING CONSTRUCTION DUE TO AN EXISTING CONDITION, VISUALLY ASCERTAINABLE PRIOR TO SUBMITTING BID, CANNOT BE THE BASIS FOR A CHANGE ORDER.
16. COAT ALL SURFACES WITH NO-OX WHERE DISMILAR METALS CONTACT.
17. CONTRACTOR SHALL REMOVE ALL DEBRIS AND EMPTY COAX REELS FROM THE SITE UPON COMPLETION OF THE PROJECT.

PROJECT NOTES

- REINFORCED CONCRETE:
- R-1. CONCRETE: ALL CONCRETE SHALL BE Fc = 3000 PSI AT END OF 28 DAYS AS DETERMINED BY ASTM C31 AND C39 AND SHALL BE NORMAL WEIGHT.
 - R-2. PREPARATION TESTING AND PLACING OF CONCRETE AND REINFORCEMENT SHALL BE PER ACI-308 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, LATEST EDITION.
 - R-3. REINFORCING BARS SHALL HAVE A MINIMUM YIELD STRENGTH OF Fy = 60000 PSI AND SHALL COMPLY WITH ASTM A615.
 - R-4. PROVIDE MINIMUM CONCRETE COVERAGE FOR REINFORCING STEEL OF 3".
 - R-5. EXISTING VEGETATION AND ORGANIC MATERIALS SHALL BE REMOVED FROM THE BUILDING FOUNDATION AREA, FILL TO INDICATED ELEVATION WITH CLEAN SANDY SOIL COMPACT TO OBTAIN 1500 PSI BEARING CAPACITY. CONCRETE EQUIPMENT PAD SHALL BE PLACED OVER UNDISTURBED OR WELL COMPACTED SOIL.
- DESIGN:
- D-1. DESIGN IS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2003.
 - D-2. EQUIPMENT CABINET LOADING PER CLEARWIRE STANDARD EQUIPMENT.
 - D-3. DESIGN LOADS, WASHINGTON STATE
 - A. 100 MPH WIND SPEED, 3 SECOND GUST, CATEGORY 2, IMPORTANCE FACTOR 1.0, EXPOSURE CATEGORY C.
 - B. ALL OTHER LOAD ARE PER ASCE 1-102
 - D-4. PAD ON GRADE DESIGN IS BASED ON MINIMUM SOIL BEARING CAPACITY OF 10000 PFS.
- STRUCTURAL:
- S-1. DETAIL, FABRICATE, AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC, SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURE STEEL FOR BUILDINGS.
 - S-2. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC SPECIFICATION FOR STRUCTURAL AND PLASTIC DESIGN, 9th EDITION, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN.
 - S-3. STRUCTURAL PIPE COLUMNS SHALL COMPLY WITH ASTM A53, TYPE E OR 5 GRADE B, Fy = 36KSI, ALL WIDE FLANGE SHAPES SHALL BE ASTM A992, GRADE 50. ALL STRUCTURAL SHAPES & PLATE SHALL COMPLY WITH ASTM A36.
 - S-4. WELDING: ALL WELDING IS TO BE DONE BY PRE-QUALIFIED WELDERS HOLDING CURRENT CERTIFICATE FROM A RECOGNIZED TESTING LABORATORY. ALL WELDS ARE TO BE PER AWS, CODE, LATEST EDITION. ALL WELDS SHALL BE 3/16" MINIMUM FILLET WELDS UNLESS OTHERWISE SPECIFIED.
 - S-5. THESE SHALL BE NO FIELD WELDING.
 - S-6. STRUCTURAL GROUT SHALL BE SHRINKAGE RESISTANCE NON-EXPANSIVE, NONMETALLIC GROUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI WHEN TESTED IN ACCORDANCE WITH ASTM CODE C109. FORMS SHALL BE PLACED AROUND BASE PLATE AND THE STRUCTURAL GROUT SHALL BE POURED, NO DRY-TAMP PACKING.
 - S-7. ANCHOR BOLTS AND ALL-THREAD RODS SHALL COMPLY WITH ASTM A36, UNLESS OTHERWISE NOTED. ALL OTHER BOLTS AND NUTS SHALL COMPLY WITH TO ASTM A305. ALL BOLTS SHALL BE HOT-DIPPED GALVANIZED.
 - S-8. ALL EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A153 OR A123.
 - S-9. APPLY TWO COATS OF ZINC-RICH RUST-OLEUM #185 PAINT TO ALL FIELD DRILLED HOLES AND CUTS, GRID-GUARD EPOXY #445 COATING SHALL BE APPLIED TO ALL AREAS WHERE GALVANIZED SURFACES NEED TO BE RECONDITIONED, INCLUDING ALL WELD AREAS.

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL ITEMS SHALL BE UL APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION, INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE, OPERATING AND APPROVED ELECTRICAL SYSTEM.
4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS, AND COORDINATION OF INSPECTIONS.
5. ELECTRICAL AND TELCO WIRING BETWEEN CABINETS SHALL RUN IN ENT OR SCHEDULE 40 PVC (AS PERMITTED BY CODE).
6. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR PVC WHERE LOCAL CODES AND SITE CONDITIONS PERMIT.
7. ELECTRICAL WORK SHALL BE COPPER WITH TYPE XHHW, THIN OR THIN INSULATION.
8. RUN ELECTRICAL CONDUIT BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND EXISTING METER SOCKET AS LOCATED ON THIS DRAWING IN PVC, PROVIDE FULL LENGTH FULL ROPE COORDINATED INSTALLATION WITH UTILITY COMPANY.
9. RUN TELCO CONDUITS BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND EXISTING TELCO CABINET AND CLEARWIRE CABINET AS INDICATED ON THIS DRAWING IN PVC, PROVIDE FULL LENGTH FULL ROPE IN TELCO CONDUIT.
10. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
11. COORDINATE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING WITH LOCAL TELEPHONE COMPANY. APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE.
12. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO APPLY FOR COMMERCIAL POWER IMMEDIATELY UPON RECEIVING AWARD OF BID. THE GENERAL CONTRACTOR IS REQUIRED TO KEEP ALL RECEIPTS FROM THE POWER COMPANY ACKNOWLEDGING APPLICATION FOR POWER AND THOROUGH DOCUMENTATION OF ANY DISCUSSIONS WITH THE POWER COMPANY THEREAFTER. ALSO, THE GENERAL CONTRACTOR SHALL RECEIVED IN WRITING FROM THE POWER COMPANY AS TO WHEN THE ANTICIPATED POWER CONNECTION WILL BE COMPLETE. IF COMMERCIAL POWER IS NOT AVAILABLE BY THE 'POWER COMPLETE' DATE AS SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR UNTIL THE GENERATOR IS OBTAINED, ALL COSTS ASSOCIATED WITH THE GENERATOR WILL BE MUTUALLY AGREED UPON BETWEEN THE OWNER AND GENERAL CONTRACTOR. IN THE EVENT THE GENERAL CONTRACTOR FAILS TO TAKE THE NECESSARY MEASURES AS DESCRIBED HEREIN TO SECURE POWER BY THE POWER COMPLETED DATE, THEN ALL COSTS ASSOCIATED WITH THE GENERATOR SHALL BE BORNE BY THE CONTRACTOR.

GROUNDING NOTES

1. AN ANTI-OXIDANT COMPOUND SHALL BE APPLIED TO ALL EXTERIOR ABOVE GRADE, MECHANIC, GROUND CONNECTIONS.
2. CONTRACTOR SHALL SUPPLY ALL MATERIAL, LABOR AND EQUIPMENT NECESSARY FOR A COMPLETE SYSTEM AS INTENDED HEREIN UNLESS OTHERWISE NOTED.
3. ALL EXTERNAL GROUND CONDUCTORS SHALL BE 2" AWG, BARE, SOLID, TINNED COPPER UNLESS OTHERWISE NOTED.
4. ALL GROUND CONNECTIONS SHALL BE MADE WITH EXOTHERMIC WELD PROCESS UNLESS OTHERWISE NOTED OR APPROVED. ALL CONNECTIONS SHALL BE MADE AT DESIGNATED LOCATIONS ON THE EQUIPMENT.
5. EXACT LOCATION OF GROUND RODS AND GROUND CONNECTION POINTS SHALL BE DETERMINED IN THE FIELD. ADJUST LOCATIONS AS REQUIRED TO KEEP GROUND CONNECTIONS AS SHORT AS POSSIBLE (9" MIN. BEND RADIUS AND 90 DEGREE MAX. BEND ANGLE). ALL BELOW GRADE GROUNDING SHALL BE INSPECTED AND APPROVED BY CONSTRUCTION MANAGER PRIOR TO BACKFILLING.
6. ALL GROUND COMPONENTS SHALL BE INSTALLED WITHIN THE CONFINES OF THE FENCED AREA. ANY METALLIC ITEMS WITHIN 6' OF THE GROUND RING SHALL BE BONDED TO THE GROUND RING. GROUNDING REQUIREMENT NOT SHOWN ON PLANS ARE WAVE GUIDE HATCH COVER/PLATE, CABLE TRAYS, SUPPORTS, SERVICE PANELS, DISCONNECT SWITCHES, HVAC UNITS, ETC. THESE ITEMS MUST BE GROUNDED.
7. ALL EXTERIOR EXPOSED GROUND CONDUCTORS LONGER THAN 18" SHALL BE PROTECTED AND SUPPORTED BY A 3/4" PVC SCHEDULE 80 CONDUIT SLEEVE MOUNTED WITH CLIC-STRAP SUPPORTS FROM 6" BELOW FINISHED GRADE TO 6" FROM FINAL CONNECTION.
8. ALL GROUND RODS SHALL BE DRIVEN STRAIGHT DOWN, PERPENDICULAR TO FINISHED GRADE, SUITABLE PROTECTION SHALL BE PROVIDED ON END OF RODS TO PREVENT FISHHOOKING WITH GROUND DURING INSTALLATION.
9. GROUND CONDUCTORS SHALL NOT COME IN CONTACT WITH THE SLAB OR TOWER EXCEPT AS DESIGNATED.
10. THE UTILITY NEUTRAL/GROUND BOND IS TO BE MADE IN THE METER OR MAIN DISCONNECT SWITCH, NOT IN ATS.
11. ALL EQUIPMENT SURFACES TO BE BONDED TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT, CONNECTIONS TO VARIOUS METALS SHALL BE A TYPE AS TO NOT CAUSE A GALVANIC OR CORROSIVE REACTION AREA SHALL BE REPAINTED FOLLOWING BONDING.

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clearwire®
 5508 LAKE WASHINGTON BLVD.
 SUITE 300
 KIRKLAND, WA 98023

SITE NAME: PSE SE 1681 KERN
SITE NO. WA-SEA232-C
 16984 NE 122ND ST
 REDMOND, WA 98052

NO.	DATE	REVISIONS	BY	CHK	APPR'D
5	08/28/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
4	07/27/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
3	06/21/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS

SCALE: AS SHOWN DESIGNED BY: RM DRAWN BY: KM

PINNACLE DESIGN GROUP, INC.
 LYNNWOOD, WA
GENERAL NOTES
 DRAWING NUMBER
WA-SEA232-C N01
 REV 5

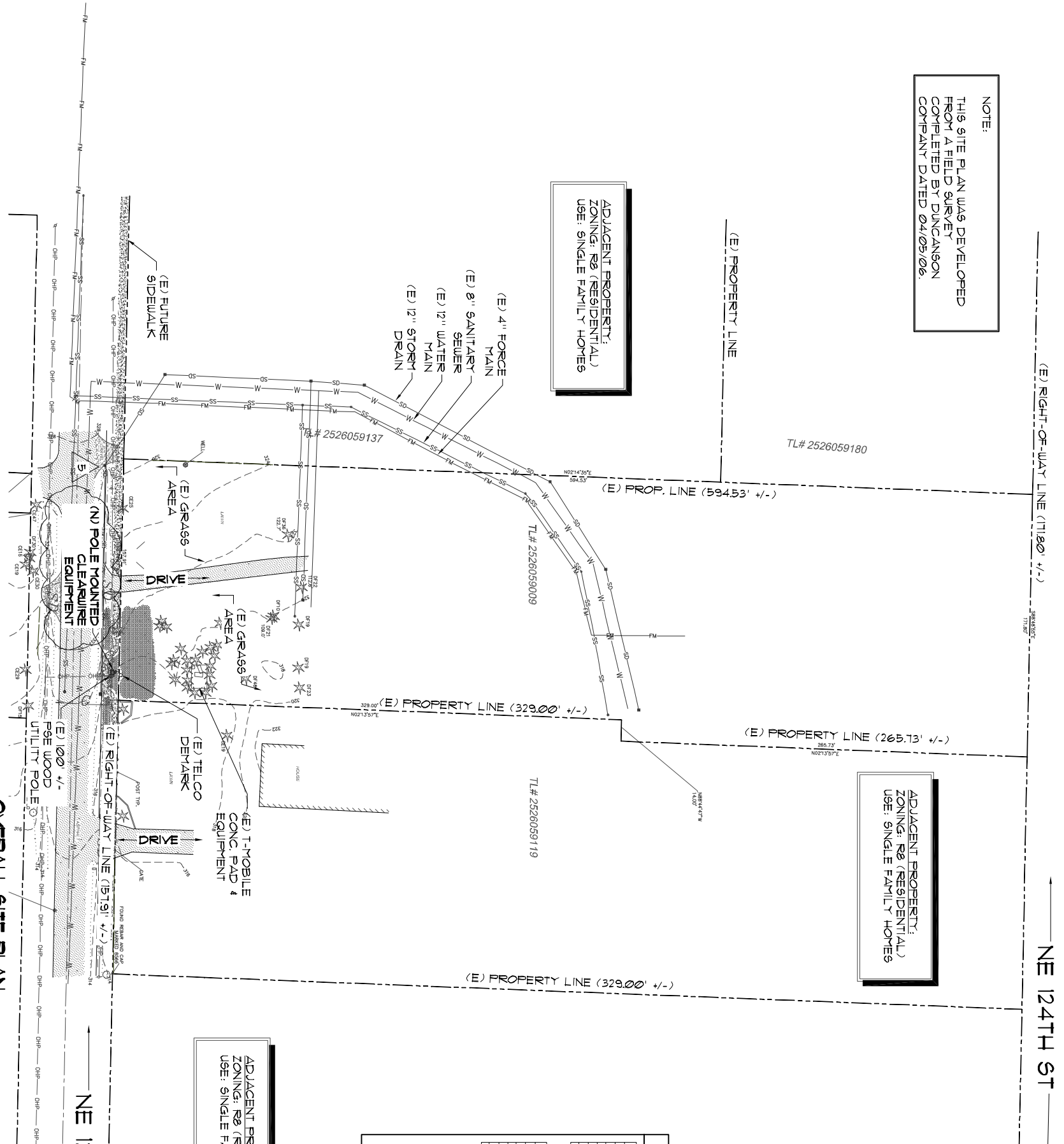


NOTE:
THIS SITE PLAN WAS DEVELOPED FROM A FIELD SURVEY COMPLETED BY DUNCANSON COMPANY DATED 04/05/06.

ADJACENT PROPERTY:
ZONING: R3 (RESIDENTIAL)
USE: SINGLE FAMILY HOMES

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ZONING: R3 (RESIDENTIAL)
USE: SINGLE FAMILY HOMES

ADJACENT PROPERTY:
ZONING: R3 (RESIDENTIAL)
USE: SINGLE FAMILY HOMES



OVERALL SITE PLAN
SCALE: 1" = 80'-0"

ANTENNA INFORMATION	
SECTOR C	
ANTENNA MFR	STELLA DORADUS
ANTENNA TYPE	2650980V
RAD CENTER (RGL)	30.0°
AZIMUTH	270°
H. SEPARATION	NA
SECTOR B	
ANTENNA MFR	STELLA DORADUS
ANTENNA TYPE	2650980
RAD CENTER (RGL)	150°
AZIMUTH	150°
H. SEPARATION	NA
SECTOR A	
ANTENNA MFR	STELLA DORADUS
ANTENNA TYPE	2650980
RAD CENTER (RGL)	30.0°
AZIMUTH	3.0°
H. SEPARATION	NA

MICROWAVE INFORMATION	
DRAGONWAVE TYPE 1	
MICROWAVE MFR	DRAGONWAVE
MICROWAVE TYPE	HRP123
RAD CENTER (RGL)	34.0°
FREQUENCY	26.04
DISH SIZE	1.0'
DRAGONWAVE TYPE 2	
MICROWAVE MFR	DRAGONWAVE
MICROWAVE TYPE	HRP126
RAD CENTER (RGL)	34.0°
AZIMUTH	134.54°
FREQUENCY	24.64
DISH SIZE	1.0'

P I N N A C L E
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SCALE: AS SHOWN
DESIGNED BY: RM
DRAWN BY: KM

PINNACLE DESIGN GROUP, INC.
LYNNWOOD, WA
OVERALL SITE PLAN
DRAWING NUMBER
WA-SEA232-C C00

REV 5
SCALE IS BASED ON 1/8" = 1' SITE

6

5

4

3

2

1

A

B

C

D

3

PSC=



NOTE:
THIS SITE PLAN WAS DEVELOPED FROM A FIELD SURVEY COMPLETED BY DUNCANSON COMPANY DATED 04/05/06.

LAWN

(E) T-MOBILE CONC. PAD & EQUIPMENT

CE19

ADJACENT PROPERTY:
ZONING: R8 (RESIDENTIAL)
USE: SINGLE FAMILY HOMES

LAWN

318

(E) GRASS AREA

(E) 100' PSE WOOD UTILITY POLE

(E) TELCO DEMARK

(E) PROPERTY LINE (329.00' +/-)

FUTURE SIDEWALK

POST TYP.

DS (E) RIGHT-OF-WAY LINE (151.91' +/-)

CE25

(E) 1/2" STORY DRAIN LINE

157.91'

N88°44'47"W

(E) 12" WATER MAIN LINE

(E) 8" SANITARY SEWER LINE

NE 122ND ST

ASPHAL

GRAVEL

CE47

DF30

CE15

CE30

DF15

CE49

MP50

(N) POLE MOUNTED CLEARANCE EQUIPMENT

316

400.8'

90.8'

OVERALL SITE PLAN
SCALE: 1" = 16'-0"

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SCALE: AS SHOWN		DESIGNED BY: RM	BY	CHK	APP'D
		DRAWN BY: KM	BY	CHK	APP'D

PINNACLE DESIGN GROUP, INC.
LYNNWOOD, WA

ENLARGED SITE PLAN

DRAWING NUMBER
WA-SEA232-C C01

SCALE IS BASED ON 11x17" SITE

6

5

4

3

2

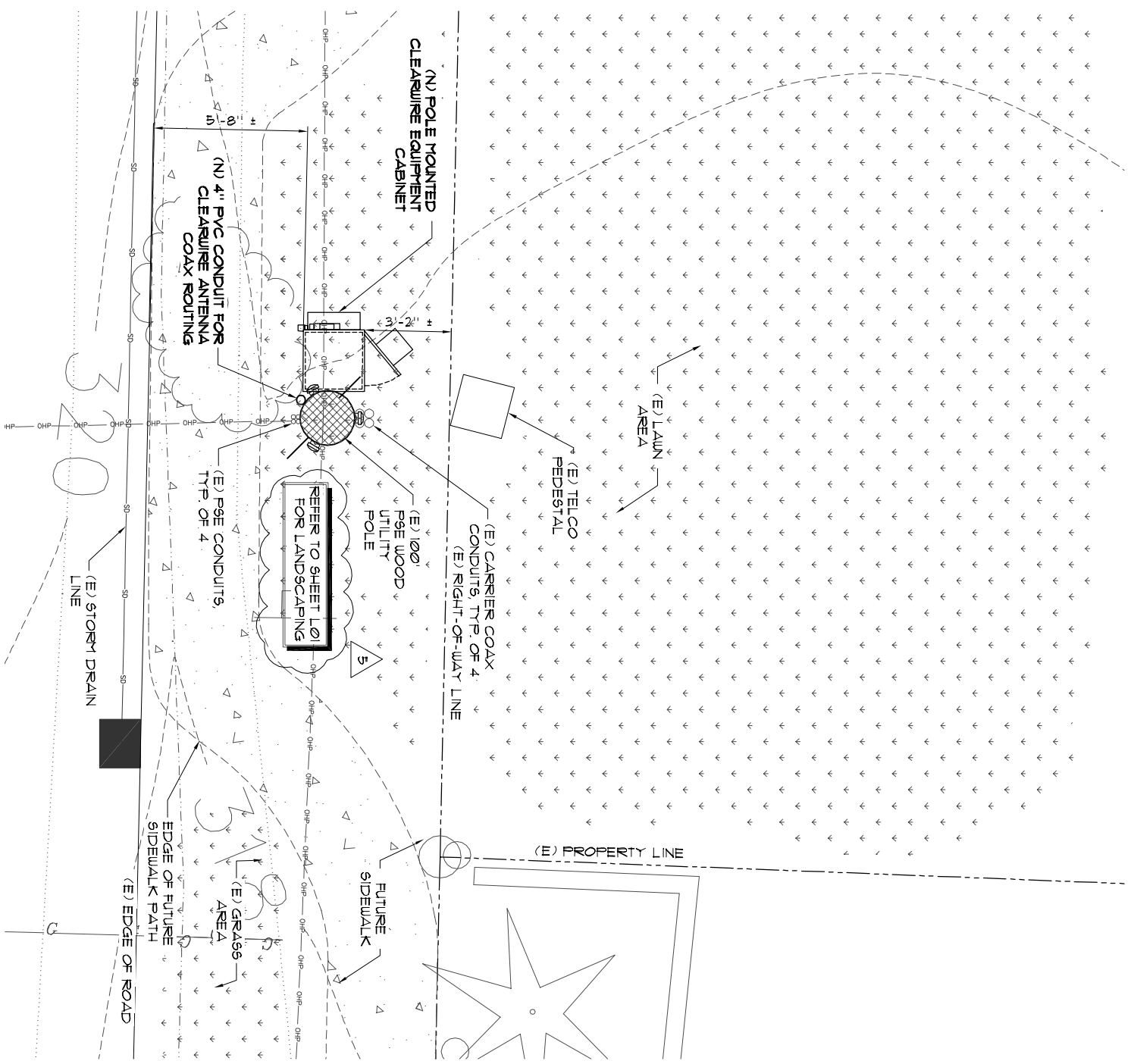
A

B

C

D

PSC=



1 SITE PLAN
 C02 SCALE: 3/16" = 1'-0"



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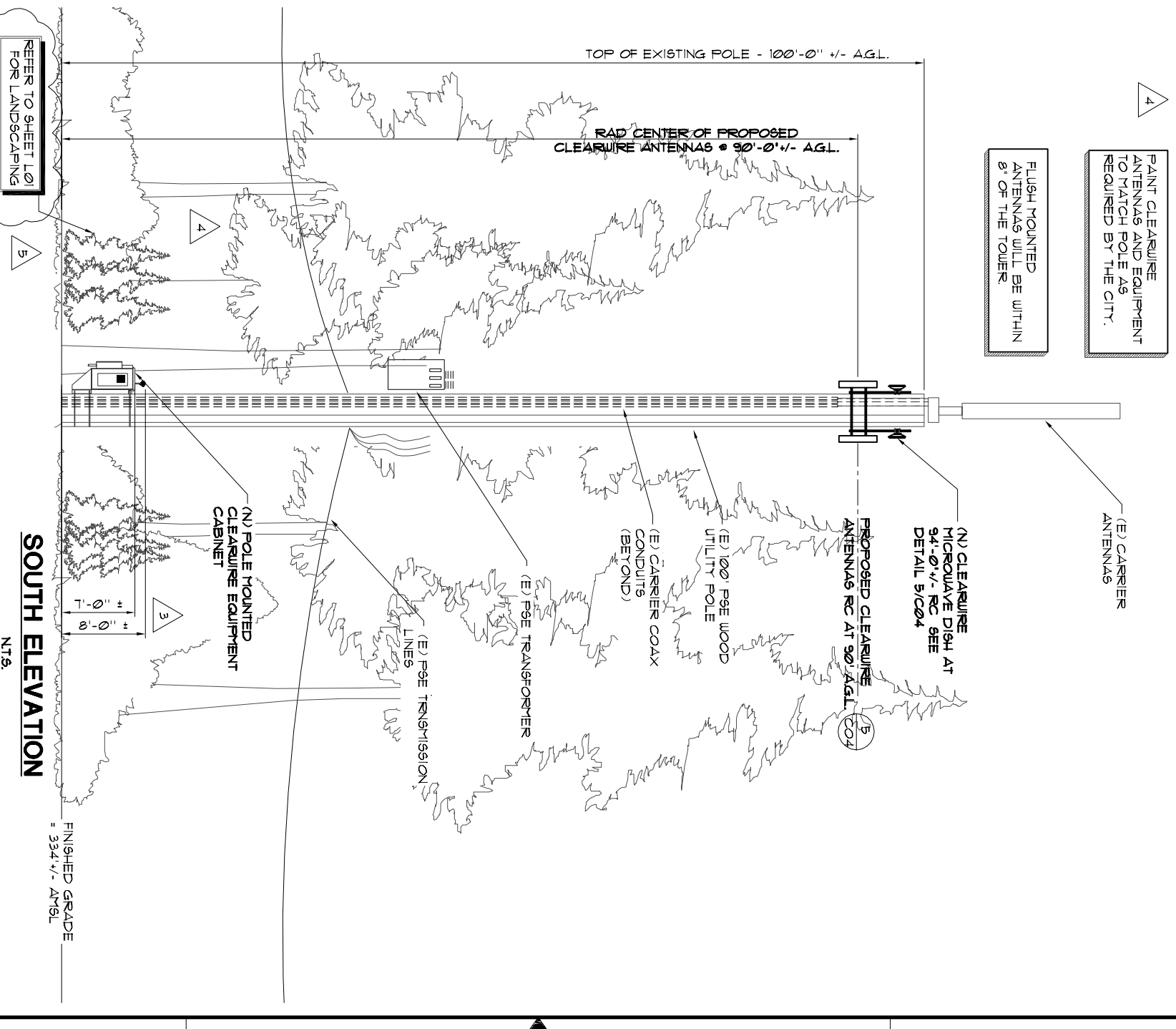
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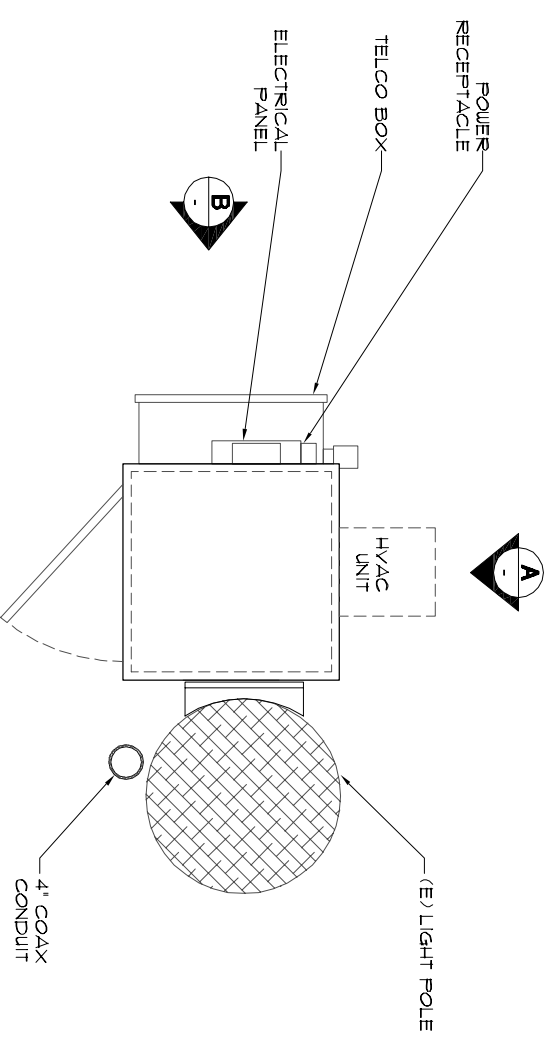
PINNACLE DESIGN GROUP, INC.
 LYNNWOOD, WA
COMPOUND PLAN & TOWER ELEVATION
 DRAWING NUMBER
WA-SEA232-C C02
 REV. 5



SOUTH ELEVATION
 N.T.S.

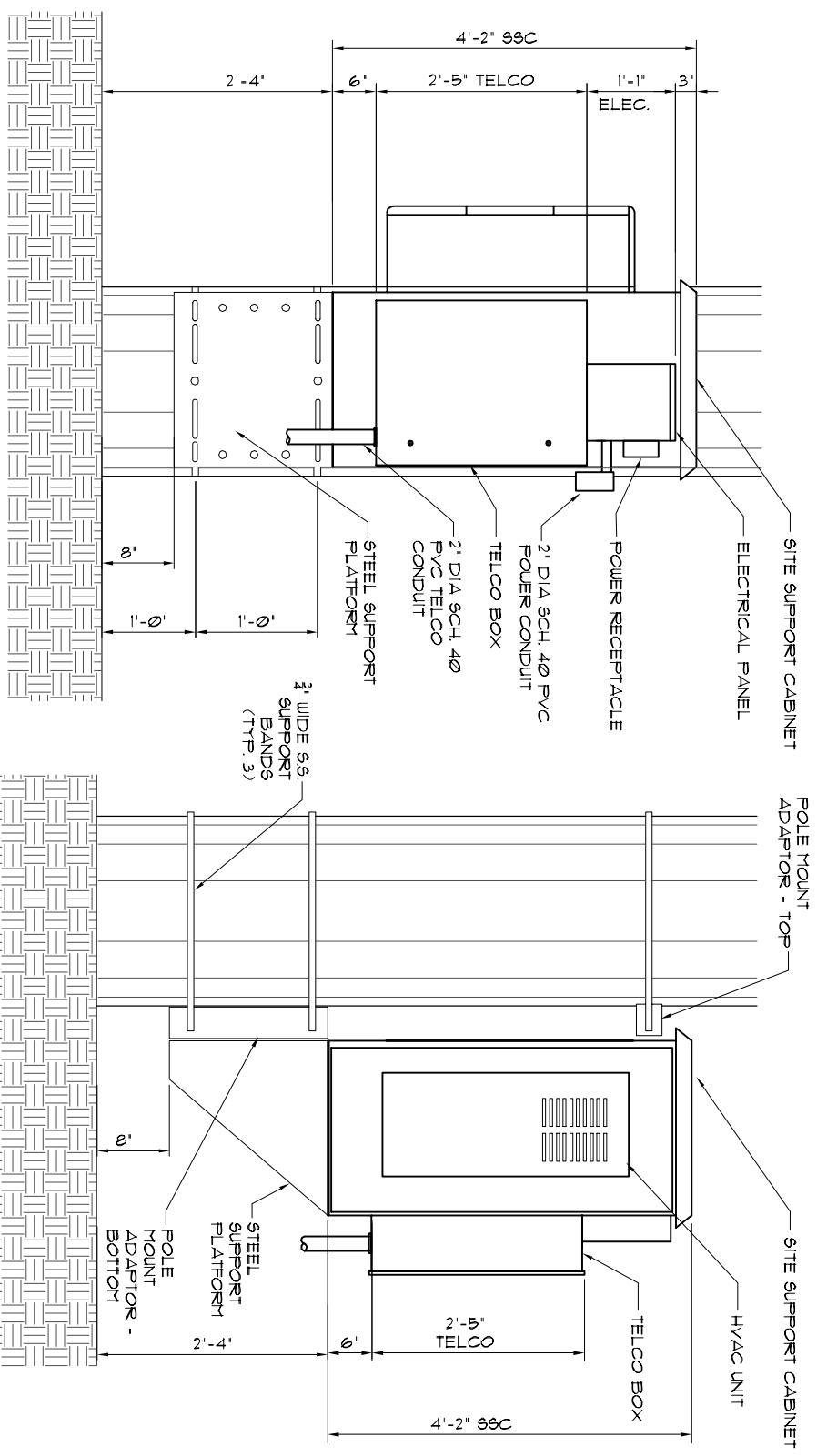


SCALE IS BASED ON 1/8" = 1'-0" SITE



1 EQUIPMENT PLAN
NTS.

NOTE: PAINT CLEARWIRE ANTENNAS, SHROUD, EQUIPMENT, HARDWARE, COAX CABLE, ETC. BROWN TO MATCH (E) LIGHT POLE.

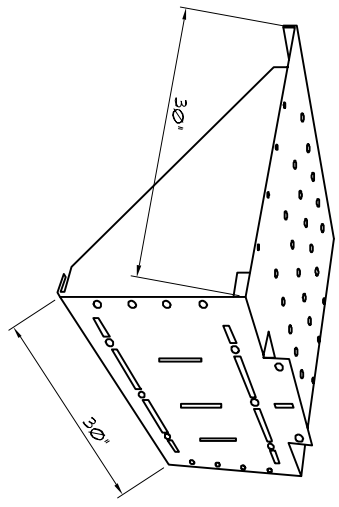


B SITE SUPPORT CABINET ELEVATION
NTS.

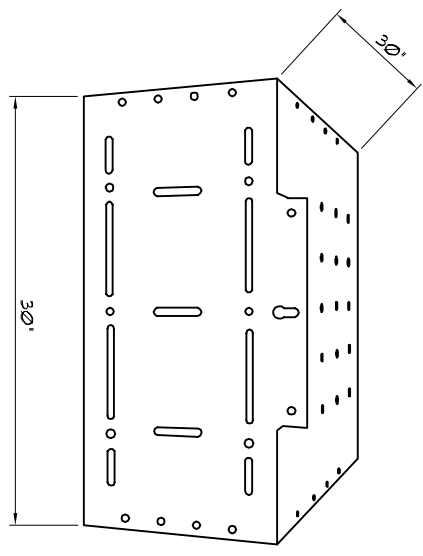
A SITE SUPPORT CABINET ELEVATION
NTS.

NOTE: SECURE BOTTOM POLE MOUNT ADAPTOR TO STEEL PLATFORM PER MFR'S RECOMMENDATIONS

NOTE: SECURE SITE SUPPORT CABINET TO STEEL PLATFORM AND UTILITY POLE PER MFR'S RECOMMENDATIONS



MANUFACTURER: DDB UNLIMITED
PART # PYS-3030
LENGTH: NA
WIDTH: 30"
DEPTH: 30"
WEIGHT: NA



2 STEEL PLATFORM DETAILS
NTS.

P I N N A C L E
D E S I G N G R O U P, I N C.
TELECOMMUNICATIONS COMMERCIAL RESIDENTIAL
19910-50TH AVE W, #202
LYNNWOOD, WA 98036
OFFICE) 425-778-8132
FAX) 425-778-6891

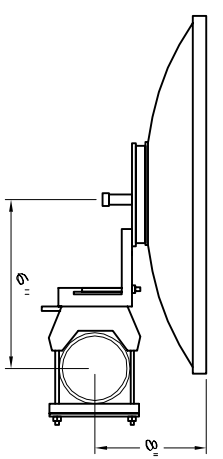
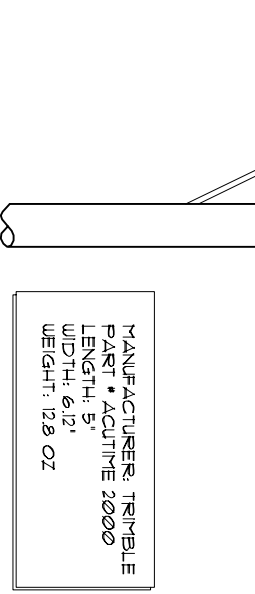
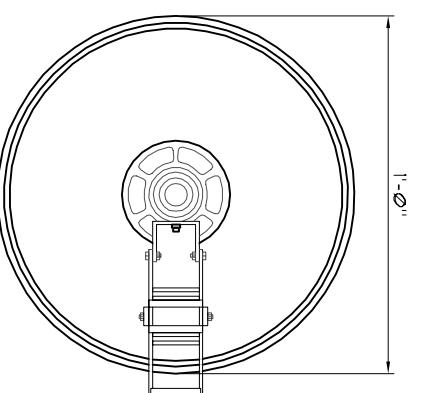
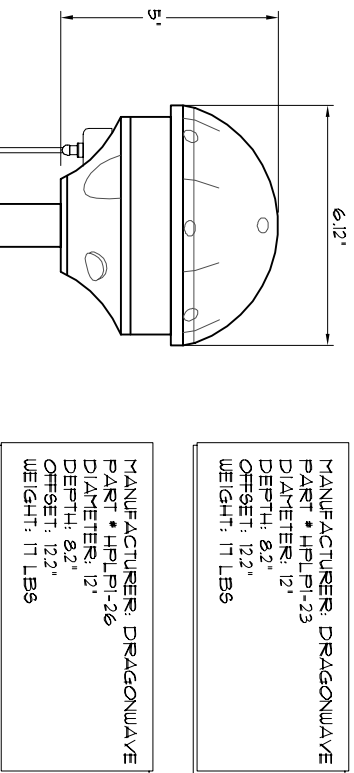
clearwire[®]
5508 LAKE WASHINGTON BLVD.
SUITE 300
KIRKLAND, WA 98023

SITE NAME: PSE SE 1681 KERN
SITE NO. WA-SEA232-C
16984 NE 122ND ST
REDMOND, WA 98052

NO.	DATE	REVISIONS	BY	CHK	APP'D
5	08/28/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
4	07/27/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
3	06/21/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS

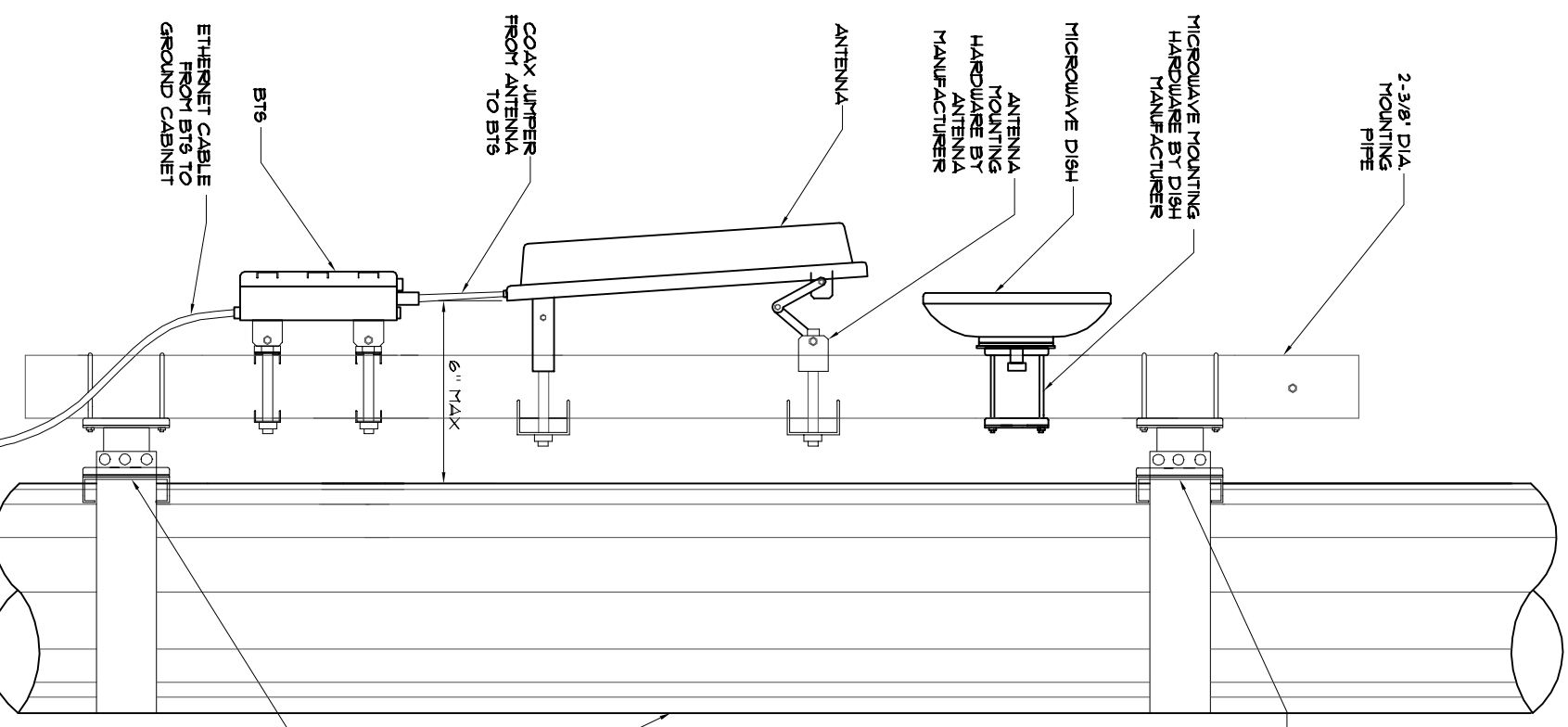
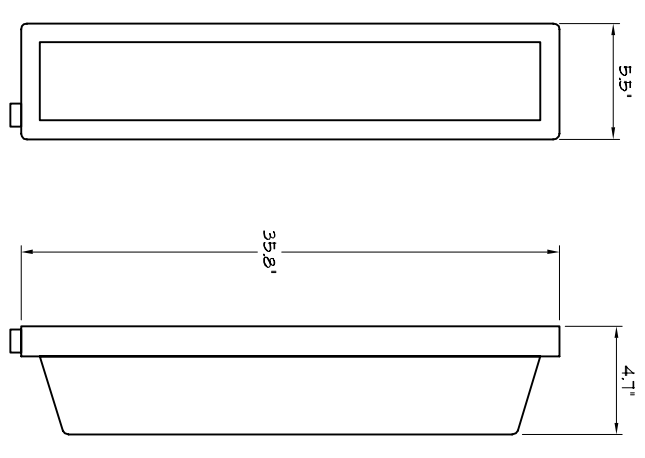
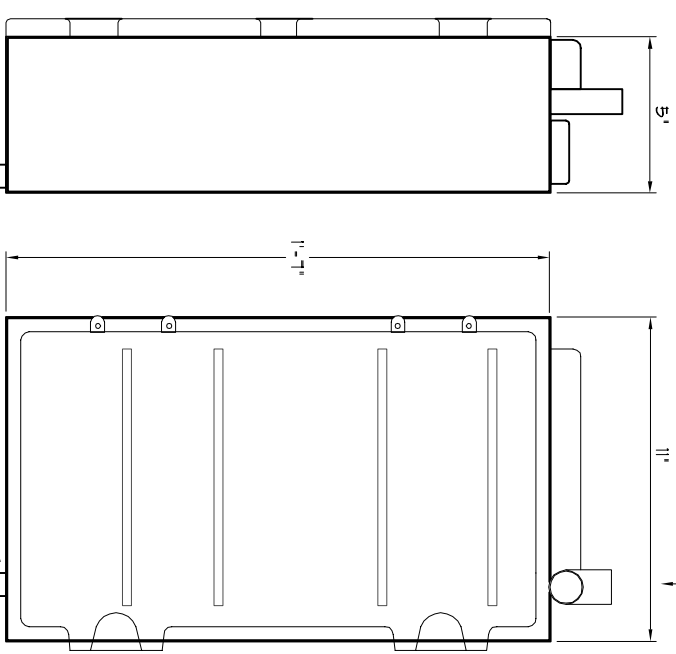
SCALE: AS SHOWN
DESIGNED BY: RM
DRAWN BY: KM

PINNACLE DESIGN GROUP, INC.
LYNNWOOD, WA
EQUIPMENT DETAILS
DRAWING NUMBER
WA-SEA232-C C03
REV 5



1 GPS SPECIFICATION
N.T.S.

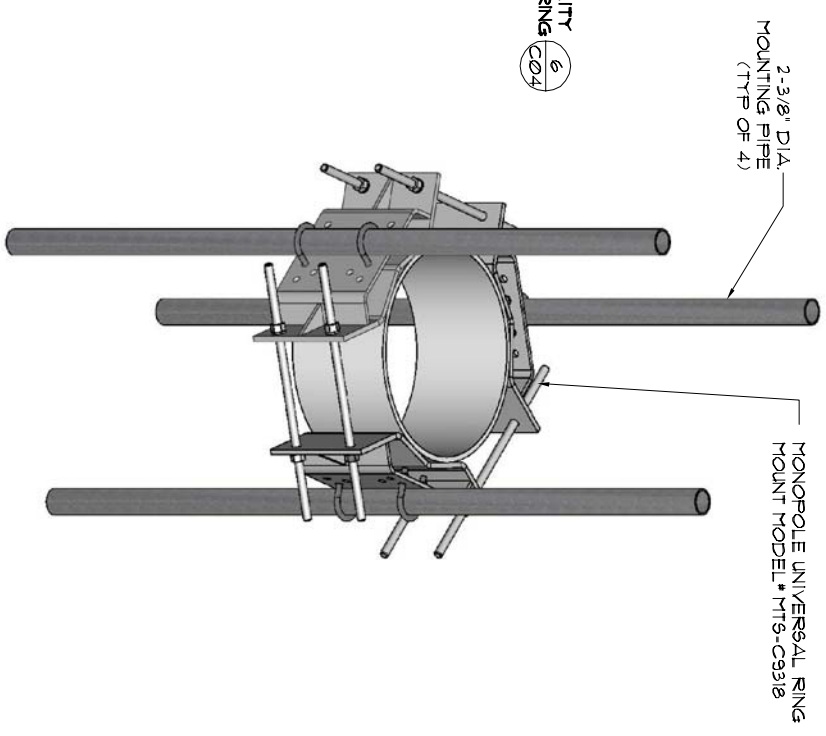
2 MICROWAVE SPECIFICATION
N.T.S.



4 BTS SPECIFICATION
N.T.S.

3 ANTENNA SPECIFICATION
N.T.S.

5 ANTENNA MOUNTING DETAIL
N.T.S.



6 ANDREW UNIVERSAL RING MOUNTS
N.T.S.

ENTIRE PAGE

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TELECOMMUNICATIONS COMMERCIAL RESIDENTIAL
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clearwire®
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REDMOND, WA 98052

NO.	DATE	REVISIONS	BY	CHK	APP'D
5	08/28/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
4	07/27/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
3	06/21/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS

SCALE: AS SHOWN DESIGNED BY: RM
DRAWN BY: KM

PINNACLE DESIGN GROUP, INC.
LYNNWOOD, WA
ANTENNA DETAILS
DRAWING NUMBER
WA-SEA232-C 004
REV 5

6

5

4

3

2

SCALE IS BASED ON 1/8" = 1' SITE

A

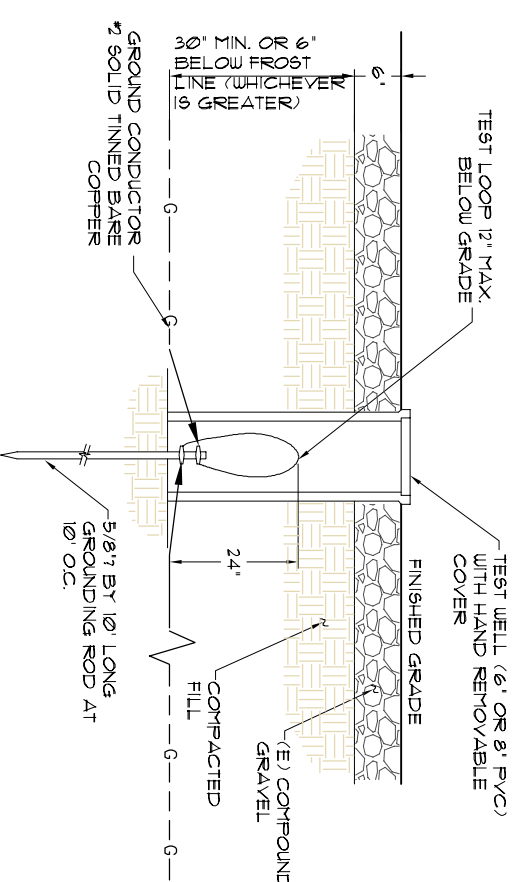
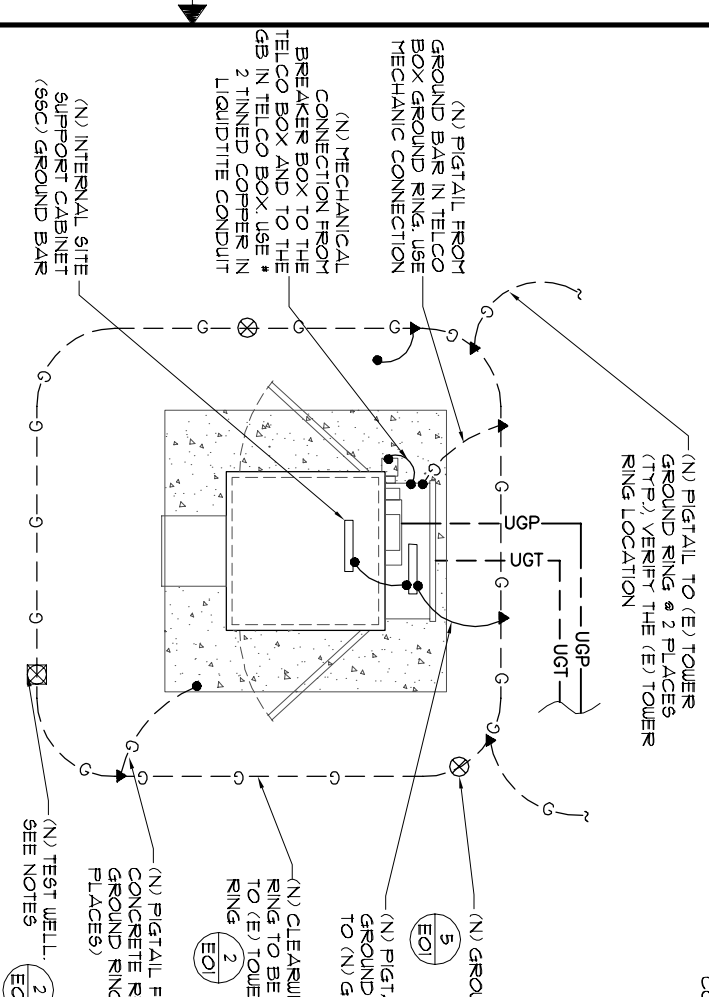
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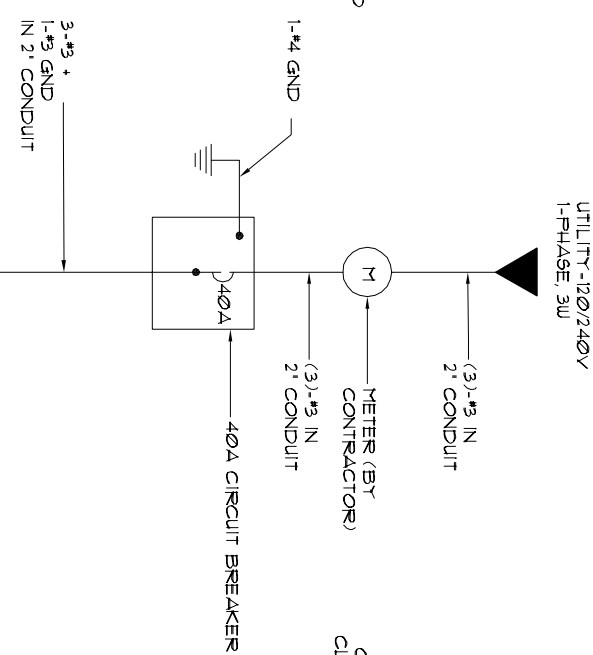
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PSC=

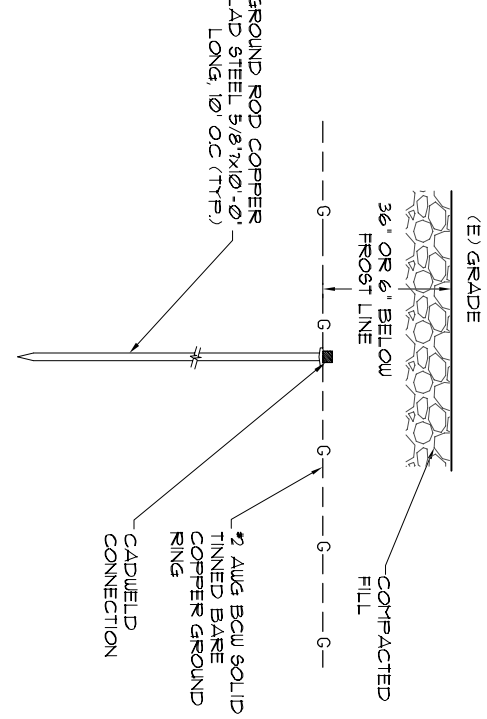
- NOTES:
1. SERVICE POWER TO EQUIPMENT CABINET SHALL BE 120/240VAC, 40A SINGLE PHASE.
 2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY BEFORE THE START OF CONSTRUCTION POWER AND TELEPHONE CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS AND UTILITY.
 3. ALL SERVICE EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE NEC AND UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
 4. LOSS OF POWER RELAYS (LPRs) WILL MONITOR UTILITY POWER, GENERATOR 1 POWER & GENERATOR 2 POWER. LPRs SHALL BE LOCATED WITHIN NEMA 3R JUNCTION BOX. LPRs SHOULD BE FUSED TO ELIMINATE THE RISK OF A LPR FAILURE CAUSING THE MAIN POWER FUSES TO TRIP.



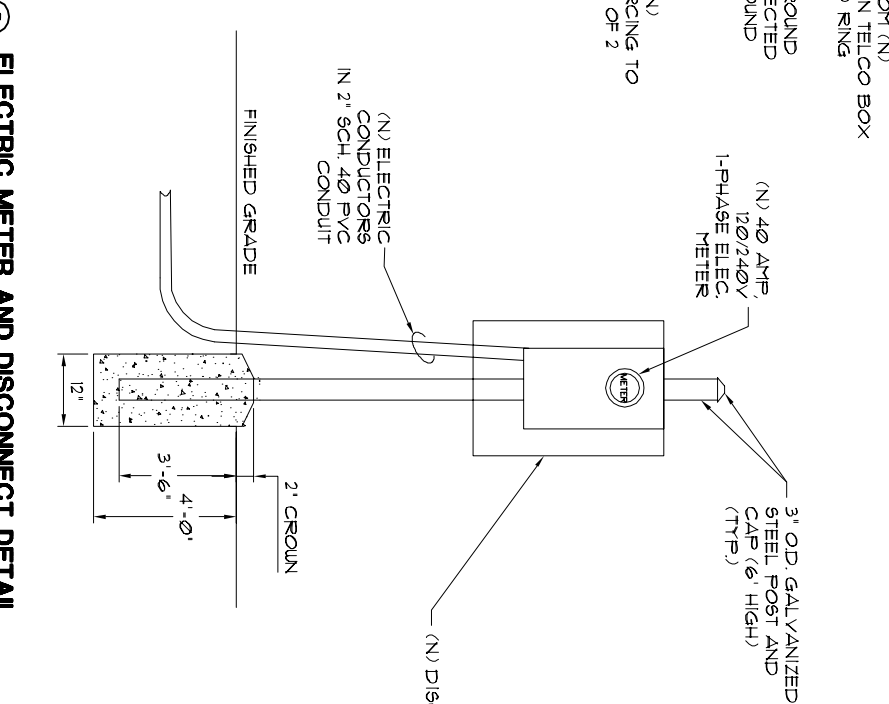
2 TEST WELL & GROUND RING DETAILS
N.T.S.



5 GROUNDING ROD DETAIL
N.T.S.

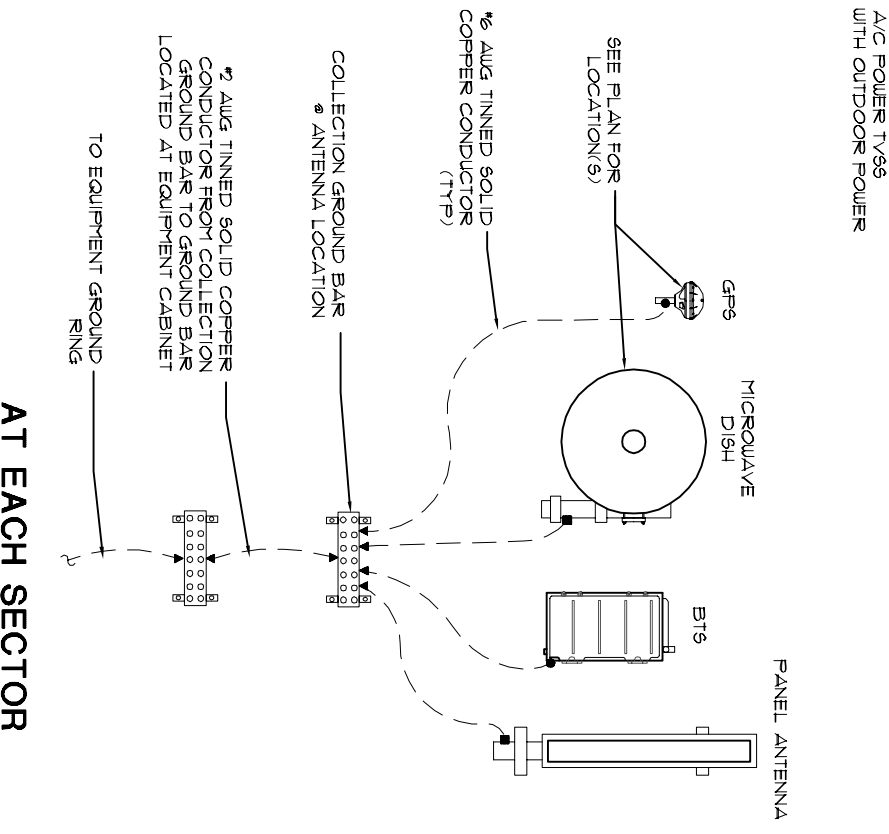


4 SINGLE LINE DIAGRAM
N.T.S.



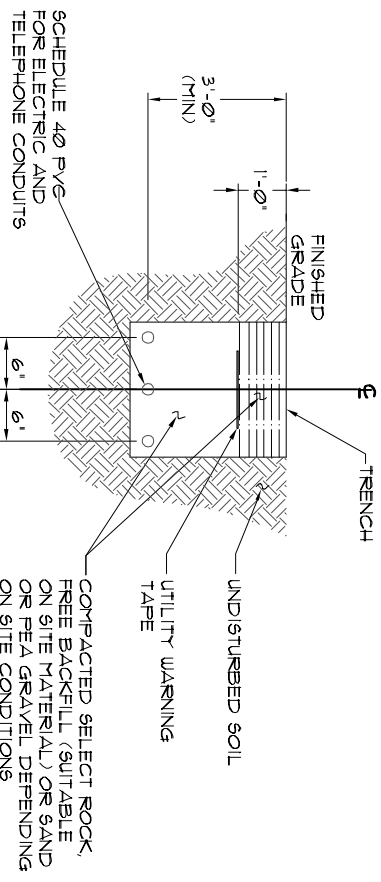
6 ELECTRIC METER AND DISCONNECT DETAIL
N.T.S.

7 ANTENNA GROUNDING SCHEMATIC
N.T.S.



AT EACH SECTOR

3 CONDUIT TRENCH DETAIL
N.T.S.



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FAX) 425-778-6891

clearwire
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SUITE 300
KIRKLAND, WA 98023

SITE NAME: PSE SE 1681 KERN
SITE NO. WA-SEA232-C
16984 NE 122ND ST
REDMOND, WA 98052

NO.	DATE	REVISIONS	BY	CHK	APP'D
5	08/28/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
4	07/27/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
3	06/21/06	EQUIPMENT PLACEMENT REVISIONS	AH	RM	JS
		REVISIONS	BY	CHK	APP'D
		DESIGNED BY: RM			
		DRAWN BY: KM			

PINNACLE DESIGN GROUP, INC.
LYNNWOOD, WA
ELECTRICAL/GROUNDING PLAN & DETAILS
DRAWING NUMBER
WA-SEA232-C E01
REV 5

6

5

4

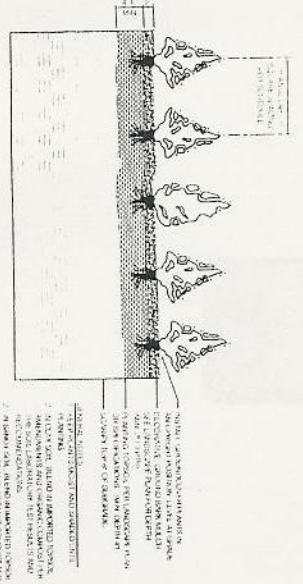
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2

SCALE IS BASED ON 1/8\"/>

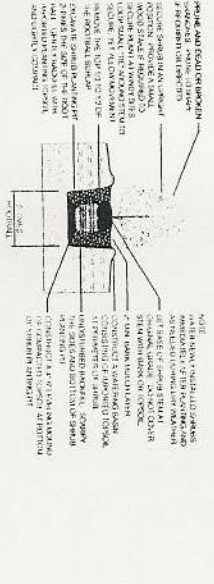
11 x 17 SITE

PSC-



GROUNDCOVER PLANTING DETAIL

NOTE: PLANTING DETAIL FOR GROUNDCOVER PLANTING. THE PLANT SHOULD BE INSTALLED IN THE HOLE WITH THE ROOT BALL AT THE BOTTOM OF THE HOLE. THE SOIL SHOULD BE COMPACTED AROUND THE PLANT. THE GRAVEL SHOULD BE INSTALLED AT THE BOTTOM OF THE HOLE. THE PLANT SHOULD BE WATERED REGULARLY FOR THE FIRST YEAR.



SHRUB PLANTING DETAIL

NOTE: PLANTING DETAIL FOR SHRUB PLANTING. THE SHRUB SHOULD BE INSTALLED IN THE HOLE WITH THE ROOT BALL AT THE BOTTOM OF THE HOLE. THE SOIL SHOULD BE COMPACTED AROUND THE SHRUB. THE GRAVEL SHOULD BE INSTALLED AT THE BOTTOM OF THE HOLE. THE SHRUB SHOULD BE WATERED REGULARLY FOR THE FIRST YEAR.



LANDSCAPE PLAN

SCALE: 1/4" = 1'-0"

DATE: 10/15/2023

PROJECT: 1681 KERN RD, SEASIDE, WA

DESIGNER: CLEARVIEW

PLANT SCHEDULE

SYMBOL	CITY LIST	BOTANICAL NAME	COMMON NAME	SIZE	QTY	NATIVE	COMMENTS
+	YES	JANBERGEN SPINNA	STRIMBERG TREE	24" H/18" W/ 5.0 GAL CONT	2	NO	WELL SHAPED, MAINE WARDWARD MATURED, BROWN LEAVES, 1-2" DIA. TRUNK
+	NO	JANBERGEN SPINNA	BATTERY RED CEDAR	6' H/7" W/ 5.0 GAL CONT	2	NO	DO NOT SUBMITTE FOR WATER ANALYSIS
+	NO	JANBERGEN SPINNA	PURPLE BARK ROSE	3.0 GAL CONT	4	YES	WELL SHAPED, MAINE WARDWARD MATURED, BROWN LEAVES, 1-2" DIA. TRUNK
+	NO	JANBERGEN SPINNA	ORIGANUM	5.0 GAL CONT	4	YES	WELL SHAPED, MAINE WARDWARD MATURED, BROWN LEAVES, 1-2" DIA. TRUNK
+	NO	JANBERGEN SPINNA	ORIGANUM	5.0 GAL CONT	4	YES	WELL SHAPED, MAINE WARDWARD MATURED, BROWN LEAVES, 1-2" DIA. TRUNK

EVERGREEN TREE PLANTING DETAIL



NOTE: PLANTING DETAIL FOR EVERGREEN TREE PLANTING. THE TREE SHOULD BE INSTALLED IN THE HOLE WITH THE ROOT BALL AT THE BOTTOM OF THE HOLE. THE SOIL SHOULD BE COMPACTED AROUND THE TREE. THE GRAVEL SHOULD BE INSTALLED AT THE BOTTOM OF THE HOLE. THE TREE SHOULD BE WATERED REGULARLY FOR THE FIRST YEAR.

PLANTING TOPSOIL (GROUNDCOVER)

PLANTING TOPSOIL (GROUNDCOVER) SHALL BE A MINIMUM OF 4" DEEP AND SHALL BE A MIXTURE OF 50% TOPSOIL AND 50% COMPOST. THE TOPSOIL SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT. THE COMPOST SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT.

PLANTING TOPSOIL (SHRUBS)

PLANTING TOPSOIL (SHRUBS) SHALL BE A MINIMUM OF 4" DEEP AND SHALL BE A MIXTURE OF 50% TOPSOIL AND 50% COMPOST. THE TOPSOIL SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT. THE COMPOST SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT.

PLANTING TOPSOIL (TREES)

PLANTING TOPSOIL (TREES) SHALL BE A MINIMUM OF 4" DEEP AND SHALL BE A MIXTURE OF 50% TOPSOIL AND 50% COMPOST. THE TOPSOIL SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT. THE COMPOST SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT.

ORGANIC COMPOST

ORGANIC COMPOST SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT. THE COMPOST SHALL BE A MINIMUM OF 10% HUMUS AND SHALL BE A MINIMUM OF 10% NUTRIENT.

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IRRIGATION NOTES

IRRIGATION NOTES: 1. No irrigation is proposed for this site. 2. Additional irrigation should be provided for the first two growing seasons.

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clearview
 5808 LAKE WASHINGTON BLVD.
 SUITE 300
 KIRKLAND, WA 98033

SITE NAME: PSE SE 1681 KERN
 SITE NO. WA-SEA232-C
 1681 KERN STREET
 SEASIDE, WA 98058

SCALE: AS SHOWN
 REGION: WA PD
 DESIGN: SV PD

DATE: 10/15/2023
 ORIGINAL SIZE: 30" X 42"
 REVISIONS: 1X
 DATE: 10/15/2023
 BY: SV PD

SCALE: 1/4" = 1'-0"

DATE: 10/15/2023

PROJECT: 1681 KERN RD, SEASIDE, WA

DESIGNER: CLEARVIEW