



*Shaping
our community
together*

420 College Street SE
Lacey, WA 98503
360-491-5642

COMMUNITY DEVELOPMENT DEPARTMENT PRESUBMISSION CONFERENCE AGENDA

THE FOLLOWING PROJECTS WILL BE CONSIDERED

VIA VIDEOCONFERENCE – LINK WILL BE SENT PRIOR TO MEETING

MEETING DATE: **Wednesday, August 10, 2022**

SPR Team Meeting will be held on the Monday prior to presub meeting date

TIME	PRE-SUB-MISSION	LAND-CLEARING REVIEW	SITE PLAN REVIEW	DESCRIPTION
10:00 a.m.				
11:00 a.m.				22-0078 65101000700 653 Sleater Kinney Rd SE MOSES Monopole Ext. FANT/STILES WD
1:30 p.m.				
2:30 p.m.				
3:30 p.m.				

RECEIVED

JUL 26 2022

23ACE

OFFICIAL USE ONLY



CITY OF LACEY
Community & Economic Development Department
420 College Street SE
Lacey, WA 98503
(360) 491-5642

CASE NUMBER: 22-0078
RELATED CASE NUMBERS:
PLANNER ASSIGNED: SANTA
PW ASSIGNED:

PRESUBMISSION CONFERENCE REQUEST FORM

ONE WEEK PRIOR TO REQUESTED DATE, SUBMIT VIA EMAIL TO PLANNING@CI.LACEY.WA.US, OR TO LACEY CITY HALL. NO FEE IS REQUIRED.
SUBMISSION SHOULD INCLUDE COMPLETED APPLICATION, SITE PLAN DRAWING, VICINITY MAP, AND TRAFFIC GENERATION WORKSHEET.

APPLICANT: **Jim Moses**

ADDRESS: 5701 S Santa Fe Drive	CITY: Littleton	STATE: CO	ZIP: 80120
PHONE NUMBER: (214)208-3430	EMAIL: jim.moses@dish.com		

REPRESENTATIVE: **Neil Geisler**

ADDRESS: 1614 SE 10th Ave	CITY: Portland	STATE: OR	ZIP: 97214
PHONE NUMBER: (509)710-3515	EMAIL: ngeisler@modusllc.com		

PROJECT ADDRESS: 653 Sleater Kinney Rd SE Lacey, WA 98503
ASSESSOR'S TAX PARCEL NUMBER(S): 65101000700
BRIEF DESCRIPTION OF PROJECT: DISH Wireless intends to install a 20' Monopole extension and 3 antennas to existing monopole. A concrete slab and equipment will need to be installed at the base of the pole.
TOTAL ACREAGE: TOTAL SQ. FT OF BLDG: 200 sq ft ZONING: Woodland District
PROPOSED LAND USE: () SINGLE-FAMILY () MULTI-FAMILY () INDUSTRIAL DUPLEX () COMMERCIAL () M.H. PARK
EXISTING ACCESS: Through parking lot PROPOSED ACCESS:

INDICATE PREFERENCE FOR A MEETING DATE AND TIME:
(MEETINGS ARE HELD THE 2ND AND 4TH WEDNESDAY OF EACH MONTH) DATE: 08/10/2022 TIME: 11:00 AM or 3:00 PM

A presubmission conference is an opportunity for the developer and/or their representative to meet with staff to discuss preliminary studies or sketches of the proposed project. At the conference, staff will make available, pertinent information relating to the proposed development. The intent is to identify and/or eliminate as many potential problems as possible in order for the project to be processed without delay. The conference should take place prior to detailed work by an engineer or surveyor; however, the site drawing submitted, should have sufficient information to allow for staff review. Discussion topics will include such things as Comprehensive Plan, Street Plan, Storm Run Off & Retention, Shoreline Master Program, Zoning, Availability of Water/Sewer, Development Concepts, other requirements and permits, and the environmental impact. If the applicant owns adjacent land, the possibilities of future development will be discussed. Written information regarding process, specific requirements & related issues, will be furnished at the meeting. Staff will typically visit the site prior to the meeting and may enter the property if deemed necessary to gain a full understanding of the project.



DISH Wireless LLC SITE ID:
SESEA00317B

DISH Wireless LLC SITE ADDRESS:
**653 SLEATER KINNEY RD SE
LACEY, WA 98503**

WASHINGTON - CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AGENCIES NOTED IN THESE PLANS. IT IS TO BE CONSIDERED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

CODE TYPE	CODE
BUILDING	2018 IBC W/ B.C. AMENDMENTS
MECHANICAL	2015 IMC W/ B.C. AMENDMENTS
ELECTRICAL	2017 NEC W/ B.C. AMENDMENTS

SHEET INDEX

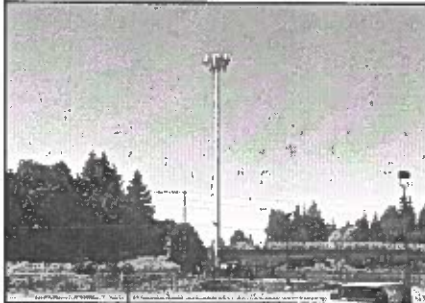
SHEET NO.	SHEET TITLE
0-1	TITLE SHEET
A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	ANTENNA PLAN, ELEVATION AND SCHEDULE
A-4	ELEVATIONS
A-5	CONCRETE SLAB AND H-FRAME DETAILS
A-6	EQUIPMENT DETAILS
A-7	EQUIPMENT DETAILS
A-8	EQUIPMENT DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FANET CABLES & PANEL SCHEDULE
G-1	GROUNDING PLAN AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GH-1	LEGEND AND ABBREVIATIONS
GH-2	GENERAL NOTES
GH-3	GENERAL NOTES
GH-4	GENERAL NOTES

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL VERIFY SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIPMENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

- LOWER SCOPE OF WORK**
- INSTALL (2) DOWNPIPE EXTENSION
 - INSTALL (3) PROPOSED PANEL ANCHORS (1 PER SECTOR)
 - INSTALL (1) PROPOSED ANTENNA PLATFORM MOUNT
 - INSTALL PROPOSED ANCHORS
 - INSTALL (1) PROPOSED RING (2 PER SECTOR)
 - INSTALL (1) PROPOSED OVER-VOLTAGE PROTECTION DEVICE (OVPT)
 - INSTALL (1) PROPOSED HYBRID CABLE
- GROUND SCOPE OF WORK**
- INSTALL (1) PROPOSED CONCRETE SLAB WITH H-FRAME
 - INSTALL (1) PROPOSED EQUIPMENT CABINET
 - INSTALL (1) PROPOSED POWER CONDUIT
 - INSTALL (1) PROPOSED FIBER CONDUIT
 - INSTALL (1) PROPOSED RING 3 FIBER-FIBER BOX
 - INSTALL (1) PROPOSED GFI UNIT
 - INSTALL (1) PROPOSED SAFETY CATCH (IF REQUIRED)
 - INSTALL (1) PROPOSED FIBER NO.
 - INSTALL (1) PROPOSED METER SOCKET

SITE PHOTO



UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF WASHINGTON
(800) 482-2400
WWW.CALLBEFOREYOU Dig
CALL 811 BEFORE ANY GROUND PENETRATING WORK IS COMPLETED



GENERAL NOTES

THE FACILITY IS DESIGNED AND BUILT FOR HUMAN HABITATION. A TECHNICIAN MUST VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT BE NEAR OR CAUSE ANY SIGNIFICANT DISTURBANCE OR EFFECT ON ENVIRONMENT. NO CANTARY SEWER SERVICE (SEWER) WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SCHEDULE IS PROVIDED.

11'x17' PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INFORMATION

PROPERTY OWNER: *****
ADDRESS: 653 SLEATER KINNEY RD SE
LACEY, WA 98503
SITE TYPE: WINDMILL
COUNTY: WASHINGTON COUNTY
LATITUDE (NAD 83): 47.045025 N
ELEVATION (NAD 83): 100.000000 ft
ZONING JURISDICTION: SESEA00317B
ZONING DISTRICT: SESEA00317B
PARCEL NUMBER: 0000000000
OCCUPANCY GROUP: 000
CONSTRUCTION TYPE: 000
POWER COMPANY: WAC
TELEPHONE COMPANY: AT&T

PROJECT DIRECTORY

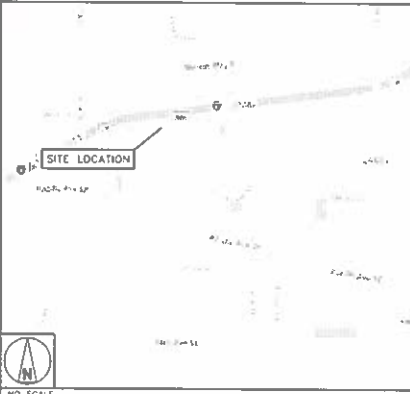
APPLICANT: DISH Wireless LLC
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120
(303) 723-1000
SITE DESIGNER: MODUS, LLC
1614 SE 107TH AVE
PORTLAND, OR 97214
(415) 993-1180
SITE ACQUISITION: AMON SUBBU
805 238 3041
AMON@AMONSUBBU.COM
CONSTRUCTION MANAGER: DAVID DUFFY
DAVID@DUFFY-BOSCH.COM
RF MANAGER: MONAHE ALTAZ
MONAHE@WLS-BOSCH.COM

DIRECTIONS

DIRECTIONS FROM SEACAT AIRPORT:

- START ON ONI WAY NORTH
- TURN RIGHT ONI WAY NORTH
- TURN RIGHT ONI WAY NORTH
- WEDGE DRIVE 0.4 MILES TOWARD SEATTLE/TACOMA 15-200
- WEDGE DRIVE 0.5
- TURN THE SLEATER KINNEY RD S (Rt. 106)
- WEDGE DRIVE 0.2 MILES TOWARD SEATTLE
- YOUR DESTINATION IS 0.2 MILES S SOUND SHOPPING TRC

VICINITY MAP



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



MODUS, LLC
1614 SE 107TH AVE
PORTLAND, OR 97214

As a condition of use, the user agrees to indemnify and hold the provider harmless from all claims, damages, and expenses, including reasonable attorneys' fees, that may be asserted against the provider or the user.

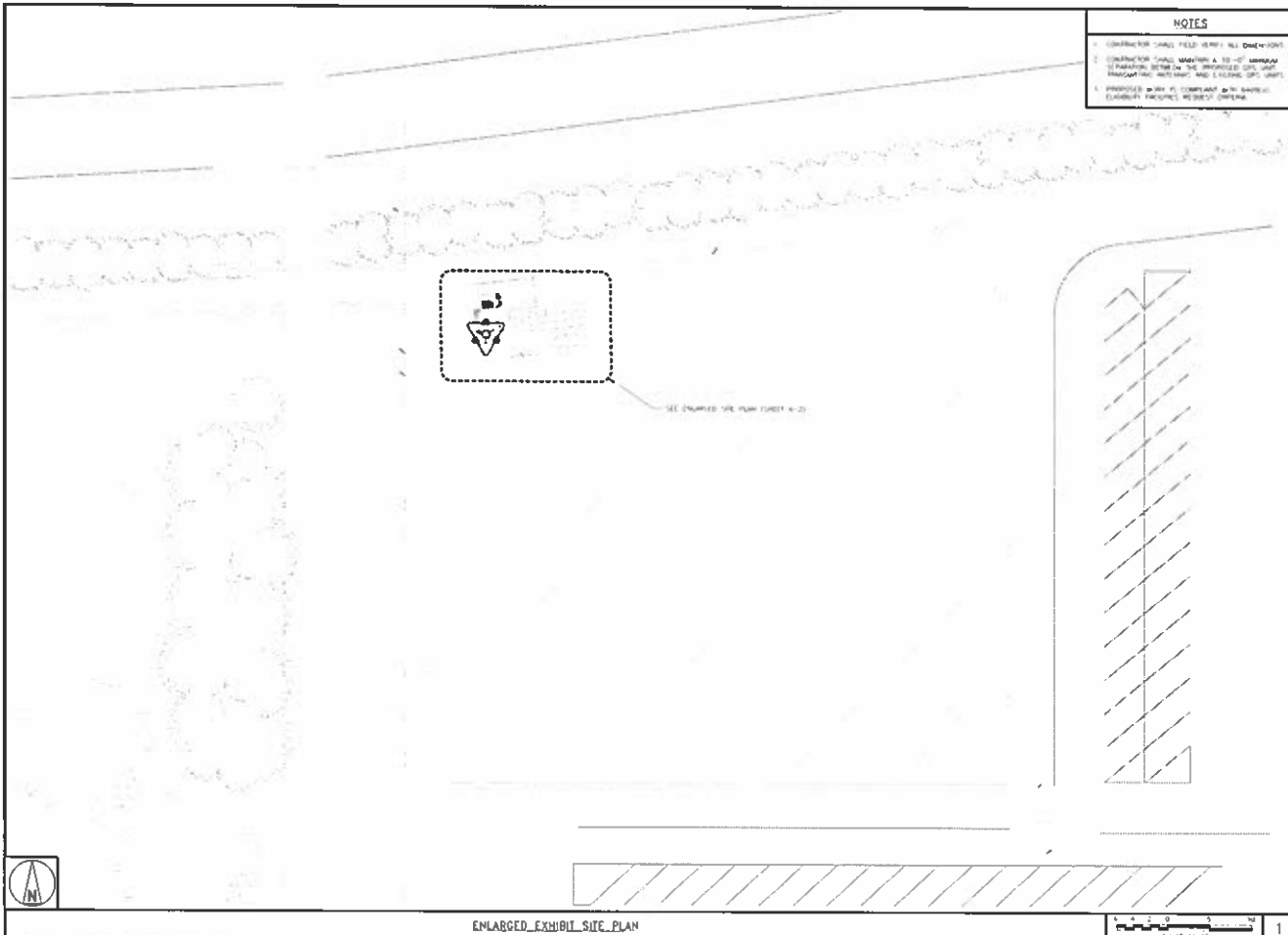
DESIGNED BY:	THE DUFFY GROUP	APPROVED BY:	
DATE:	08/14/2012	DATE:	08/14/2012

ZONING DOCUMENTS

NO.	DATE	DESCRIPTION
1	08/14/2012	ISSUE FOR PERMIT
2	08/14/2012	ISSUE FOR PERMIT
3	08/14/2012	ISSUE FOR PERMIT

AEC PROJECT NUMBER:
SESEA00317B
DISH Wireless LLC
PROJECT INFORMATION
SESEA00317B
653 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE:
TITLE SHEET
SHEET NUMBER:
T-1



NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM CLEARANCE FROM ALL ADJACENT UTILITIES AND STRUCTURES.
3. PROVIDER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

dish
wireless.

5701 SOUTH WASHITA ST. DENVER
COLORADO CO 80120



MODUS, LLC
15415 SE 12TH AVE
PORTLAND, OR 97214

THIS IS A PRELIMINARY PLAN FOR AN UNLICENSED SERVICE. IT IS NOT TO BE USED FOR THE CONSTRUCTION OF A LICENSED SERVICE WITHOUT THE APPROVAL OF THE LOCAL REGULATORY AGENCIES.

DRAWN BY:	CHECKED BY:	APPROVED BY:
REV:	DATE:	BY:

REV # 1 DATE: 04/28/2011 BY: MJD/STP/MS

ZONING DOCUMENTS

SUBMITTALS

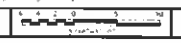
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2	05/10/2011	ISSUE
3	05/20/2011	ISSUE
4	07/11/2011	ISSUE

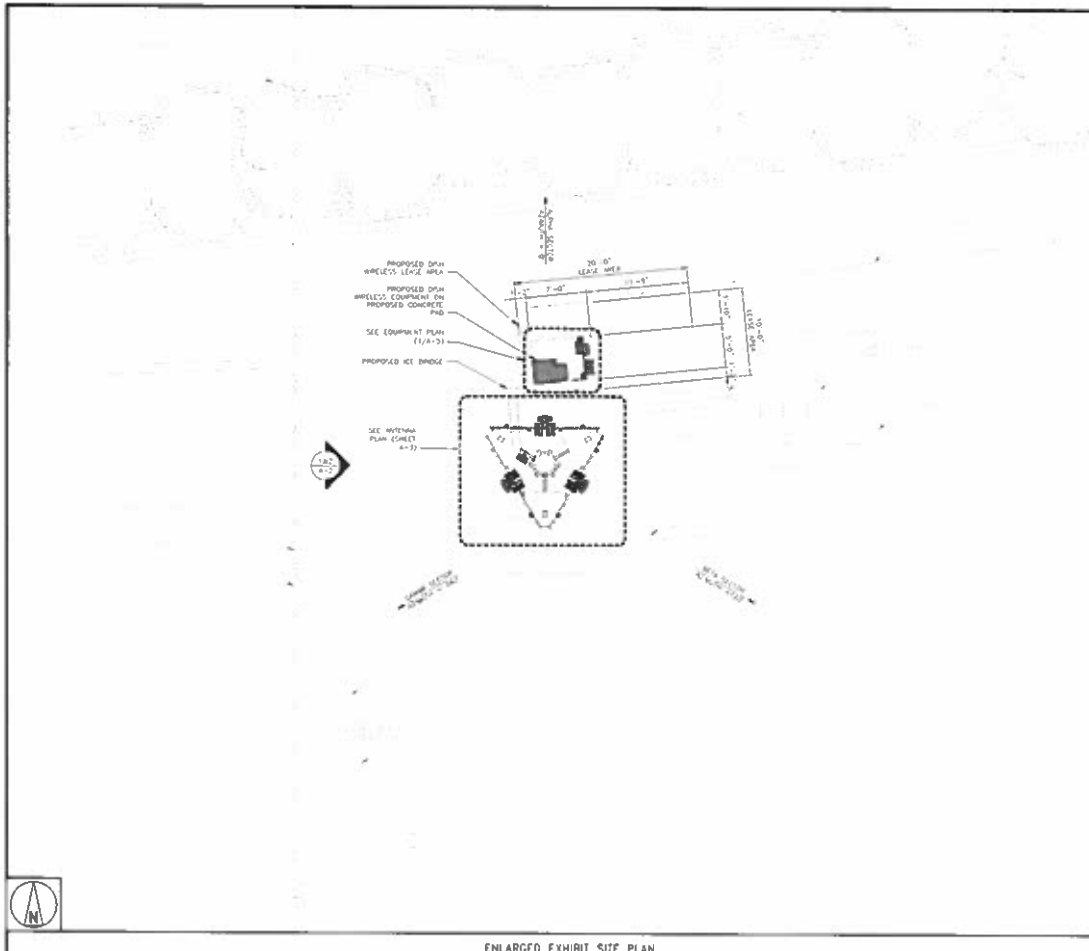
ASE PROJECT NUMBER: SESEAD001178
 GPM PROJECTS, LLC
 PROJECT #00000000000000000000
 SESEAD001178
 653 SLEATER KINNEY RD SE
 LACEY, WA 98503

SHEET TITLE
 OVERALL SITE PLAN
 SHEET NUMBER

A-1

ENLARGED_EXHIBIT_SITE_PLAN





- NOTES**
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
 2. CONTRACTOR SHALL MAINTAIN A 10'-0" CLEARANCE SEPARATION BETWEEN THE PROPOSED GPS UNIT, PARASITING ANTENNAS AND EXISTING GPS UNITS.
 3. CONTRACTOR TO VERIFY WITH C.W. THE LOCATION OF THE POWER AND FIBER SOURCE PRIOR TO CONSTRUCTION.



5701 SOUTH SANTA FE DRIVE
LITTLETON CO 80120



MODUS, LLC
1374 SE 101st AVE
PORTLAND OR 97214

IT IS A VIOLATION OF LAW FOR ANY PERSON WHOSE NAME IS ON THIS PLAN TO BE RESPONSIBLE FOR A VIOLATION OF ANY ZONING ORDINANCE OR ANY OTHER LAW, RULE OR ORDER.

DESIGNED BY:	CHECKED BY:	APPROVED BY:
JLV	BPM	LJB

DATE: REV 1 11/06/2017

ZONING DOCUMENTS

REV	DATE	DESCRIPTION
1	05/26/2017	ISSUE
2	06/06/2017	ISSUE
3	06/29/2017	ISSUE
4	07/11/2017	ISSUE

PROJECT NUMBER
SESE400317B

OWNER: MODUS, LLC
PROJECT INFORMATION:
SESE400317B
655 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE
ENLARGED SITE PLAN

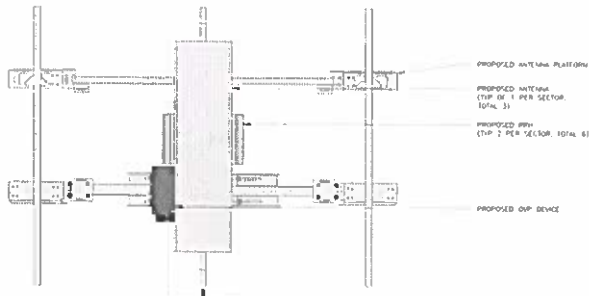
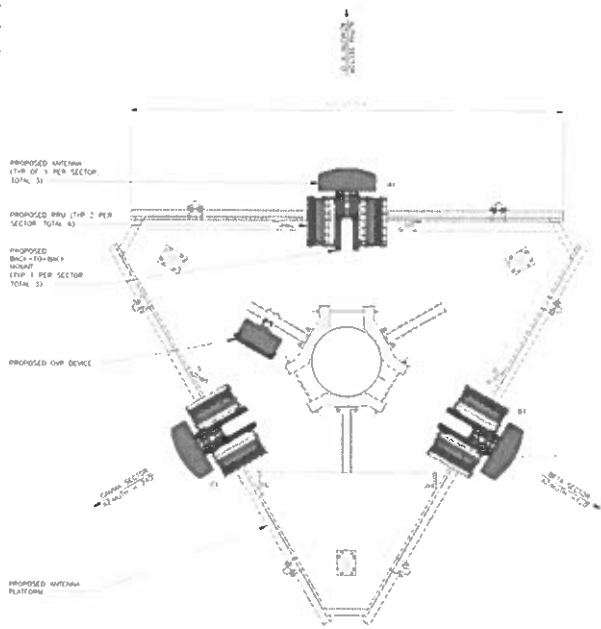
SHEET NUMBER
A-2

ENLARGED_EXHIBIT_SITE_PLAN



NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- ANTENNA AND RRU TYPICAL SPECIFICATIONS REFER TO ANTENNA SPECIFICATIONS AND TO FINAL CONSTRUCTION REFS FOR ALL RF DETAILS.



ANTENNA ELEVATION



SECTOR	POSITION	EXISTING OR PROPOSED	MANUFACTURER - MODEL NUMBER	TECHNOLOGY	SIZE (DIA) x AZIMUTH	FRONT CENTER	FEED LINE, FEED AND LEAD-IN
ALPHA	A1	PROPOSED	JMA W400FR0663-21	5G	22" x 20" x 6"	0	17' x 1/2" RIGID COAXIAL CABLE (1.5W LOSS)
BETA	B1	PROPOSED	JMA W400FR0663-21	5G	22" x 20" x 6"	120	N/A
GAMMA	C1	PROPOSED	JMA W400FR0663-21	5G	22" x 20" x 6"	240	N/A

SECTOR	POSITION	RRU MANUFACTURER - MODEL NUMBER	TECHNOLOGY
ALPHA	A1	FLUORID R06023 B065	5G
ALPHA	A1	FLUORID R06023 B064	5G
BETA	B1	FLUORID R06023 B065	5G
BETA	B1	FLUORID R06023 B064	5G
GAMMA	C1	FLUORID R06023 B065	5G
GAMMA	C1	FLUORID R06023 B064	5G

- NOTES**
- CONTRACTOR TO REFER TO FINAL CONSTRUCTION REFS FOR ALL RF DETAILS.
 - ANTENNA AND RRU MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND RETURN IN COMPLIANCE WITH THE APPROVED DESIGN AND STRUCTURAL ANALYSES.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



MODUS LLC
1614 SE 101st AVE
PORTLAND, OR 97214

THIS IS A REGULATORY PLAN FOR THE PROPOSED ANTENNA SYSTEM. IT IS NOT TO BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REFER TO FINAL CONSTRUCTION REFS FOR ALL RF DETAILS.

DESIGNED BY: [] CHECKED BY: [] APPROVED BY: []
DATE: []

ZONING DOCUMENTS

REV	DATE	DESCRIPTION
1	08-28-2022	ISSUE FOR PERMITS
2	08-28-2022	ISSUE FOR PERMITS
3	08-28-2022	ISSUE FOR PERMITS

ANE PROJECT NUMBER
SESEAD00317B

OWNER: MODUS LLC
PROJECT INFORMATION
SESEAD00317B
653 SLEATER KINNEY RD SE
LACEY, WA 98503

ANTENNA PLAN, ELEVATION AND SCHEDULE

SHEET NUMBER
A-3

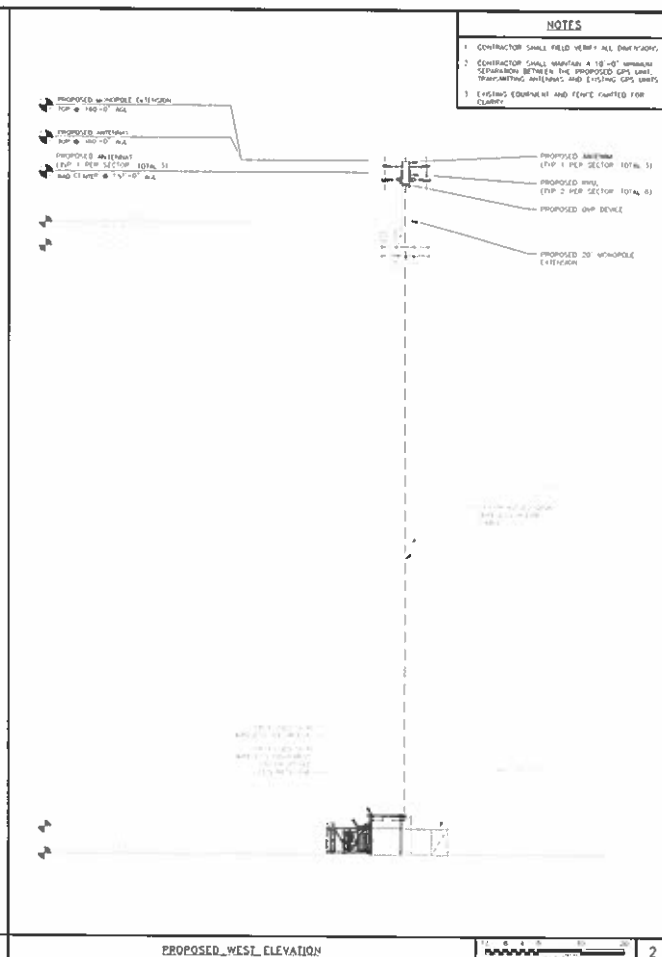
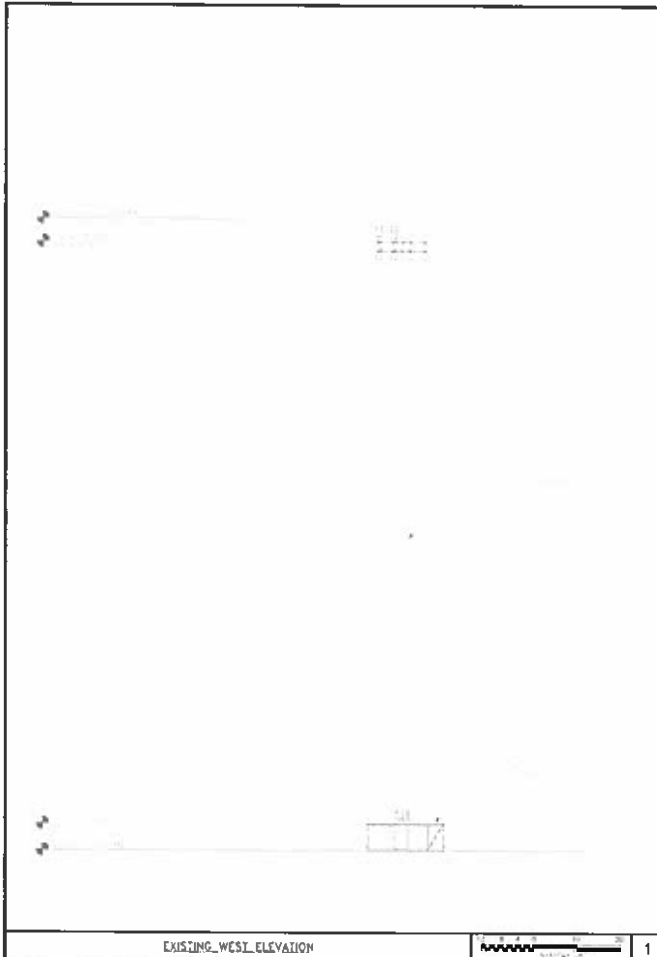
ANTENNA PLAN



1

ANTENNA SCHEDULE

NO SCALE 3



- NOTES**
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
 2. CONTRACTOR SHALL MAINTAIN A 18" (0") MINIMUM CLEARANCE BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNA, AND EXISTING GPS UNITS.
 3. EXISTING EQUIPMENT AND FENCE REMOVED FOR CLARITY.

- PROPOSED WHOROLE EXTENSION TOP @ 100'-0" A.S.L.
- PROPOSED ANTENNA 5'0" @ 100'-0" A.S.L.
- PROPOSED ANTENNA (PIP 1 PER SECTOR TOTAL 3)
- PROPOSED ANTENNA (PIP 2 PER SECTOR TOTAL 3)
- PROPOSED GPS DEVICE
- PROPOSED 20' WHOROLE EXTENSION

dish wireless

3701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

MODUR LLC

10145E 10TH AVE
PORTLAND, OR 97214

THIS IS A VOLUNTARY USE FOR THE PURPOSES OF A LIMITED PURPOSES, UNLESS OTHERWISE SPECIFIED.

DRAWN BY: [] CHECKED BY: [] APPROVED BY: []

DATE: []

ZONING DOCUMENTS

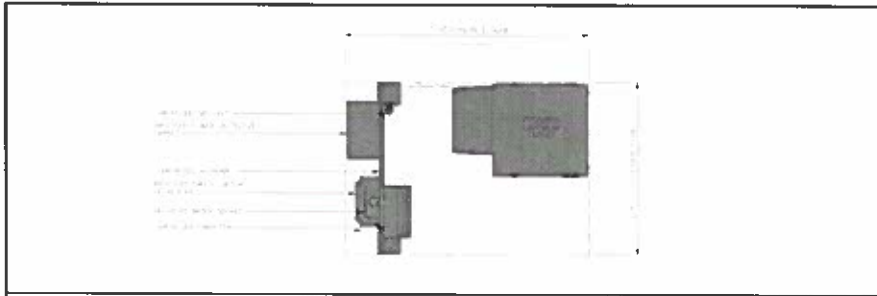
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2	08/19/2013	LAND ELEVATION
3	08/19/2013	LAND ELEVATION
4	08/19/2013	LAND ELEVATION
5	08/19/2013	LAND ELEVATION

AGE PROJECT NUMBER
SESEAD00317B

PROJECT DESCRIPTION
SESEAD00317B SLEATER KINNEY RD SC LACEY, WA 98503

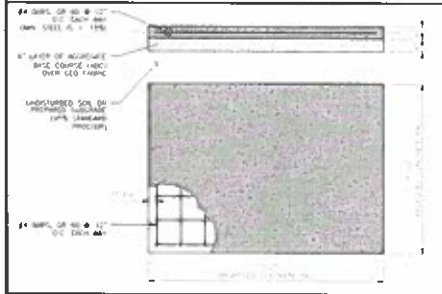
SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-4



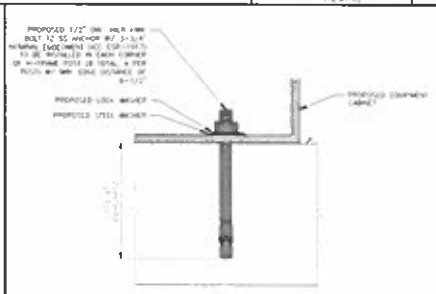
EQUIPMENT PLAN

NO SCALE 1



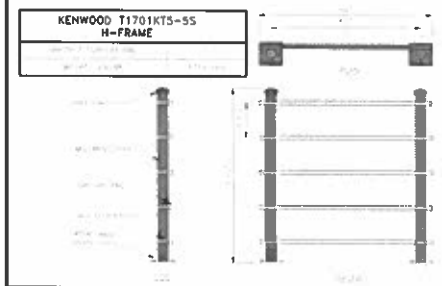
TYPICAL CONCRETE PAD DETAIL

NO SCALE 2



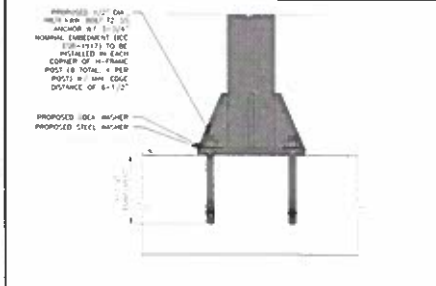
TYPICAL OUTDOOR EQUIPMENT CABINET TO CONCRETE SLAB ANCHORAGE

NO SCALE 3



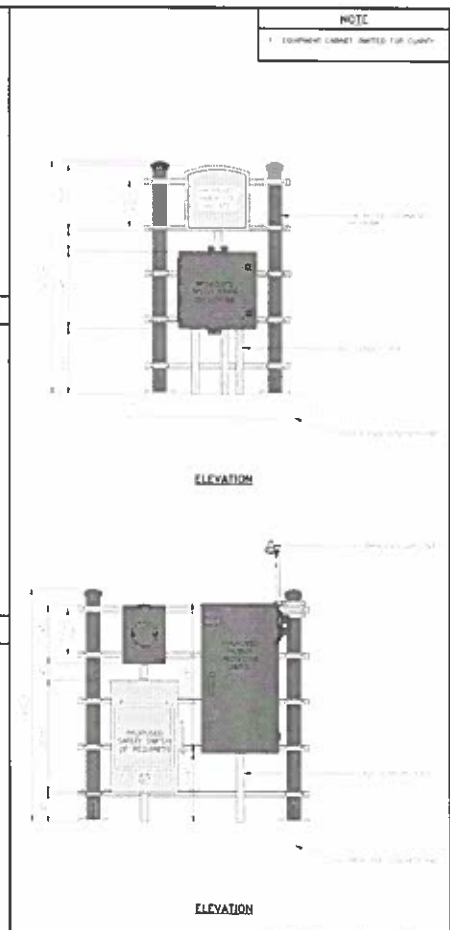
H-FRAME DETAIL

NO SCALE 4



TYPICAL H-FRAME POST TO CONCRETE SLAB ANCHORAGE

NO SCALE 5



ELEVATION

ELEVATION

NO SCALE 6

dish
wireless

5701 SOUTH JANTA RD. DOME
LITTLETON, CO 80120

MODUS LLC
1614 SE 10TH AVE
PORTLAND, OR 97214

SEAN REYNOLDS, LLC
IT IS A VIOLATION OF LAW FOR ANY PERSON
WHICH DOES NOT ACT UNDER THE SUPERVISION
OF A LICENSED PROFESSIONAL ENGINEER
TO SEAL THIS DOCUMENT

DESIGNED BY	CHECKED BY	APPROVED BY
JLV	BPM	LJB

PROJ. REV # 1 04/02/2017

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
1	04/29/2017	ISSUE FOR PERMIT
2	08/08/2017	ISSUE FOR PERMIT
3	08/09/2017	ISSUE FOR PERMIT
4	07/12/2017	ISSUE FOR PERMIT

ALL PROJECT NUMBERS
SESE4003178

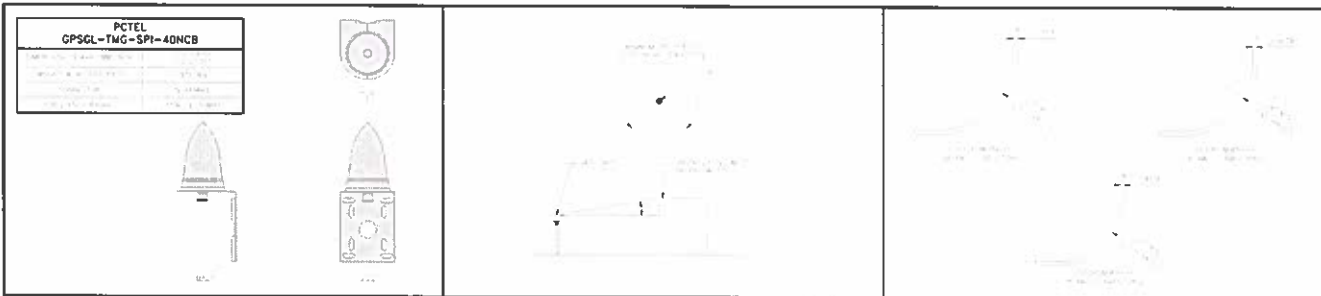
SEAN REYNOLDS, LLC
PROJECT INFORMATION

SESE4003178
653 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE
CONCRETE SLAB AND H-FRAME DETAILS

SHEET NUMBER
A-5

<p>CHARLES INDUSTRY HEX CUBE-PM639135N4</p> <p>CABINET DETAIL NO SCALE 1</p>	<p>RAYCAP PPC RDIAC-2465-P-240-MTS</p> <p>POWER PROTECTION CABINET (PPC) DETAIL NO SCALE 2</p>	<p>SQUARE D SAFETY SWITCHES D224NRB</p> <p>SAFETY SWITCH DETAIL NO SCALE 3</p>	<p>2701 SOUTH SANTA FE DRIVE LITTLETON CO 80120</p> <p>MODUS, LLC 16145E 10TH AVE POPLAND, OR 97214</p>																		
<p>EATON METER SOCKET UNRRS2138USE</p> <p>METER SOCKET DETAIL NO SCALE 4</p>	<p>ZAYO SRU (LEFT SWING DOOR) FIBER NID ENCLOSURE</p> <p>FIBER NID ENCLOSURE DETAIL NO SCALE 5</p>	<p>CHARLES CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE</p> <p>FIBER TELCO ENCLOSURE DETAIL NO SCALE 6</p>	<p>IF IT IS A VIOLATION OF LAW FOR ANY PERSON WHOSE NAME IS LISTED HEREIN TO BE UNDER THE JURISDICTION OF A JURISDICTION OTHER THAN THE STATE OF OREGON, THE SIGNATURE OF THE SIGNER SHALL BE VOID.</p> <p>DESIGNED BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature]</p> <p>DATE: [Date] DATE: [Date] DATE: [Date]</p> <p>REVISION: REV 1</p> <p>ZONING DOCUMENTS</p> <p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>08/26/2010</td> <td>ISSUE FOR PERMITS</td> </tr> <tr> <td>2</td> <td>09/06/2010</td> <td>ISSUE FOR PERMITS</td> </tr> <tr> <td>3</td> <td>09/06/2010</td> <td>ISSUE FOR PERMITS</td> </tr> <tr> <td>4</td> <td>09/06/2010</td> <td>ISSUE FOR PERMITS</td> </tr> <tr> <td>5</td> <td>09/06/2010</td> <td>ISSUE FOR PERMITS</td> </tr> </tbody> </table> <p>AS B PROJECT NUMBER: SESEAD0317B</p> <p>DPH Wireless, LLC PROJECT INFORMATION SESEAD0317B 653 SLEATER KINNEY RD SE LACEY, WA 98503</p> <p>SHEET TITLE EQUIPMENT DETAILS</p> <p>SHEET NUMBER A-6</p>	NO.	DATE	DESCRIPTION	1	08/26/2010	ISSUE FOR PERMITS	2	09/06/2010	ISSUE FOR PERMITS	3	09/06/2010	ISSUE FOR PERMITS	4	09/06/2010	ISSUE FOR PERMITS	5	09/06/2010	ISSUE FOR PERMITS
NO.	DATE	DESCRIPTION																			
1	08/26/2010	ISSUE FOR PERMITS																			
2	09/06/2010	ISSUE FOR PERMITS																			
3	09/06/2010	ISSUE FOR PERMITS																			
4	09/06/2010	ISSUE FOR PERMITS																			
5	09/06/2010	ISSUE FOR PERMITS																			
<p>COMMSCOPE WB-K110-B WAVEGUIDE BRIDGE KIT</p> <p>ICE BRIDGE DETAIL NO SCALE 7</p>	<p>TYPICAL ICE BRIDGE CONCRETE PIER DETAIL NO SCALE 8</p>	<p>HYBRID CABLE RUN NO SCALE 9</p>																			



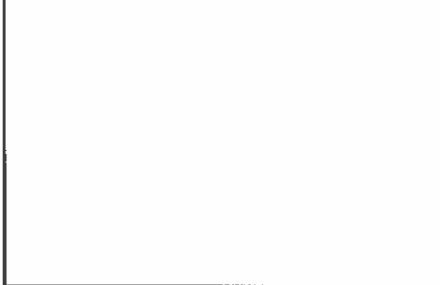
GPS_DETAIL NO SCALE 1



GPS_MINIMUM_SKY_VIEW_REQUIREMENTS NO SCALE 2



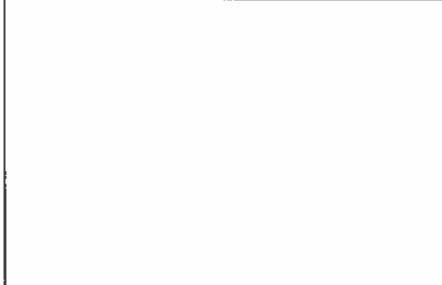
CABLES_UNLIMITED_HYBRID_CABLE_MINIMUM_BEND_RADII NO SCALE 3



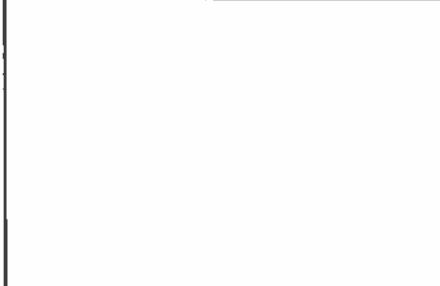
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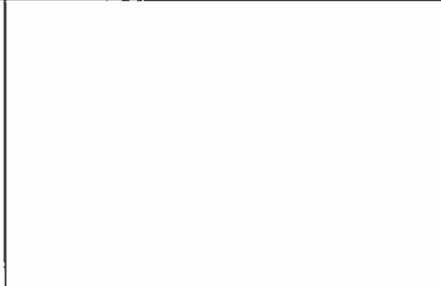
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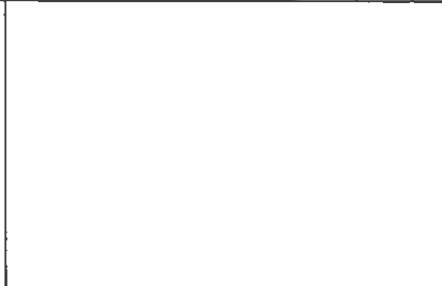
NOT_USED NO SCALE 6



NOT_USED NO SCALE 7



NOT_USED NO SCALE 8



NOT_USED NO SCALE 9



3701 SOUTH SANTA FE DRIVE
LITTLETON CO 80120



MODUS LLC
1614 SE 10TH AVE
PORTLAND, OR 97214

I am a holder of a license for the purpose of a wireless service under the authority of a valid state license. I hereby certify that this document is a true and correct copy of the original document.

DESIGN BY	CHECKED BY	APPROVED BY

REV # 1 REV # 2 REV # 3 REV # 4 REV # 5

ZONING DOCUMENTS

REV	DATE	DESCRIPTION
1	04/28/2021	Issue Stamp
2	04/29/2021	Issue Stamp
3	04/29/2021	ISSUE
4	07/11/2021	ISSUE

ASK PROJECT NUMBER
SESEA003178

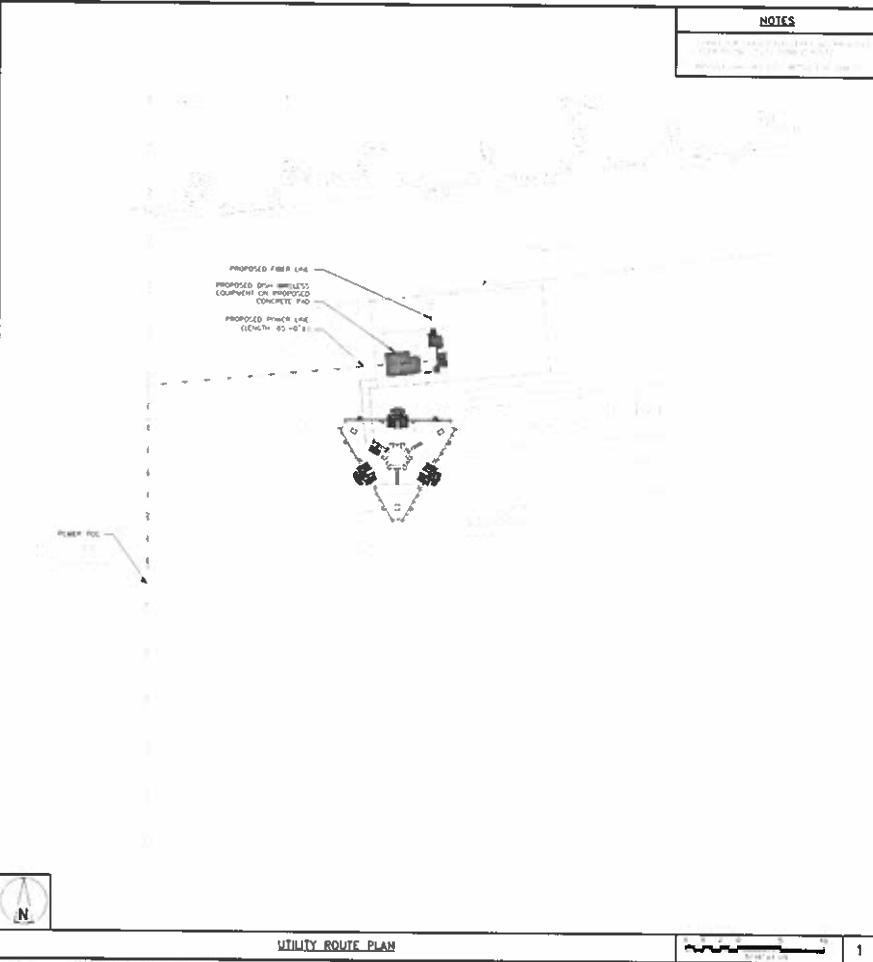
MODUS LLC
PROJECT # 0403178100

SESEA003178
653 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
A-7

<p>FUJITSU DUAL BAND TA08025-B605</p> <p>RRH_DETAIL NO SCALE 1</p>	<p>FUJITSU DUAL BAND TA08025-B604</p> <p>RRH_DETAIL NO SCALE 2</p>	<p>SABRE DOUBLE Z BRACKET C10123155</p> <p>DESCRIPTION</p> <p>RRH_MOUNT_DETAIL NO SCALE 3</p>	<p>3701 SOUTH SANTA FE DRIVE LITTLETON CO 80120</p> <p>MODUS, LLC 1314 SE 105TH AVE PORTLAND, OR 97214</p>																		
<p>JMA MX08FR0665-21</p> <p>ANTENNA_DETAIL NO SCALE 4</p>	<p>NOT USED</p> <p>NO SCALE 5</p>	<p>M04 MOUNTING BRACKET HPA-33R-BUU-M4-K</p> <p>ANTENNA_MOUNTING_DETAIL NO SCALE 6</p>	<p>IT IS A POLITICAL ACT FOR ANY PERSON WHOSE NAME AND ADDRESS ARE LISTED ON A ZONING MAP TO SIGN, OR TO BE A SIGNER OF ANY ZONING APPLICATION, EXCEPT AS AUTHORIZED BY THE CITY CLERK.</p> <p>DESIGNED BY: [] CHECKED BY: [] APPROVED BY: []</p> <p>JBY BFM LWB</p> <p>#105 REV 1 MW/06/2004</p> <p>ZONING DOCUMENTS</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>06/28/2004</td> <td>ISSUE 1</td> </tr> <tr> <td>2</td> <td>08/24/2004</td> <td>ISSUE 2</td> </tr> <tr> <td>3</td> <td>08/24/2004</td> <td>ISSUE 3</td> </tr> <tr> <td>4</td> <td>08/24/2004</td> <td>ISSUE 4</td> </tr> <tr> <td>5</td> <td>08/24/2004</td> <td>ISSUE 5</td> </tr> </tbody> </table> <p>ALL PROJECT NUMBERS</p> <p>SESEA003178</p> <p>SESEA003178</p> <p>653 SLEATER KINNEY RD SE LACEY, WA 98503</p> <p>SHEET TITLE</p> <p>EQUIPMENT DETAILS</p> <p>SHEET NUMBER</p> <p>A-8</p>	REV	DATE	DESCRIPTION	1	06/28/2004	ISSUE 1	2	08/24/2004	ISSUE 2	3	08/24/2004	ISSUE 3	4	08/24/2004	ISSUE 4	5	08/24/2004	ISSUE 5
REV	DATE	DESCRIPTION																			
1	06/28/2004	ISSUE 1																			
2	08/24/2004	ISSUE 2																			
3	08/24/2004	ISSUE 3																			
4	08/24/2004	ISSUE 4																			
5	08/24/2004	ISSUE 5																			
<p>RAYCAP RDIDC-9181-PF-48 DC SURGE PROTECTION (DVP)</p> <p>SURGE_SUPPRESSION_DETAIL (DVP) NO SCALE 7</p>	<p>COMMSCOPE XP-2040 CROSSOVER PLATE</p> <p>RRH/OVP_MOUNT_DETAIL NO SCALE 8</p>	<p>COMMSCOPE MC-PK8-DSH</p> <p>ANTENNA_PLATFORM_DETAIL NO SCALE 9</p>																			



NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION.

3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES FROM DAMAGE DURING THE COURSE OF THE WORK.

4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES.

6. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES.

8. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES.

10. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES.

dish wireless.

3701 SOUTH SAMBA FE DRIVE
LITTLETON, CO 80120

m
MODUS LLC
514 SE 10TH AVE
PORTLAND, OR 97214

BY A MEMBER OF THE FIBER OPTIC COMMUNICATIONS INDUSTRY ASSOCIATION (FOCA) AND THE FIBER OPTIC COMMUNICATIONS ASSOCIATION OF AMERICA (FOCA-USA) FOR THE PURPOSES OF A ZONING REVIEW DOCUMENT.

DRAWN BY	CHECKED BY	APPROVED BY
JUL	BPW	LAD

RDS REV # 1

ZONING DOCUMENTS

REV	DATE	DESCRIPTION
1	09-28-2017	ISSUE FOR PERMIT
2	09-28-2017	ISSUE FOR PERMIT
3	09-28-2017	ISSUE FOR PERMIT
4	09-28-2017	ISSUE FOR PERMIT

PROJECT NUMBER: SESEA003178

PROJECT ADDRESS: 653 SLEATER KINNEY RD SE, LACEY, WA 98503

SHEET TITLE: ELECTRICAL/FIBER ROUTE PLAN AND NOTES

SHEET NUMBER: E-1

UTILITY ROUTE PLAN



1

ELECTRICAL NOTES

2

1. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AND THE LOCAL ORDINANCES AND REGULATIONS OF THE CITY AND COUNTY OF PORTLAND, OREGON.

2. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AND THE LOCAL ORDINANCES AND REGULATIONS OF THE CITY AND COUNTY OF PORTLAND, OREGON.

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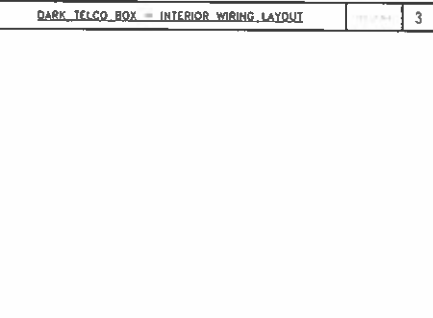
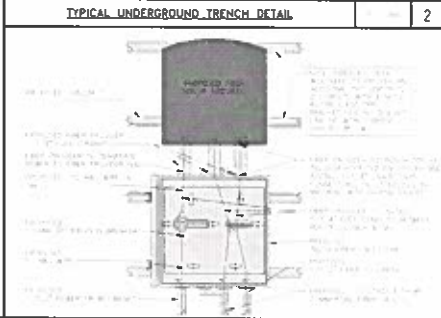
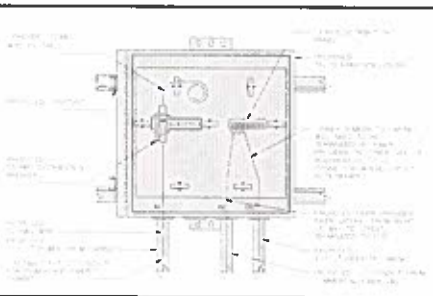
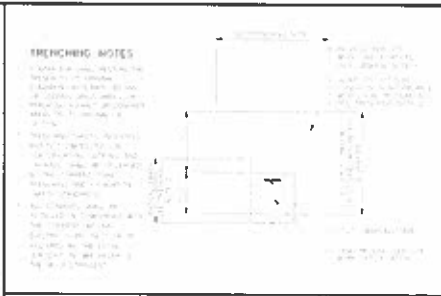
4. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AND THE LOCAL ORDINANCES AND REGULATIONS OF THE CITY AND COUNTY OF PORTLAND, OREGON.

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ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AND THE LOCAL ORDINANCES AND REGULATIONS OF THE CITY AND COUNTY OF PORTLAND, OREGON.

2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITION, AND THE LOCAL ORDINANCES AND REGULATIONS OF THE CITY AND COUNTY OF PORTLAND, OREGON.

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NOT USED

NOT USED

dish wireless

3701 SOUTH SAMMIE FE DRIVE
LITTLETON, CO 80120

M

MODUS LLC
1614 SE 105TH AVE
PORTLAND, OR 97214

DISH WIRELESS, L.L.C.

THIS IS A VOUCHER OF VALUE FOR ANY PERSONS. IT IS NOT VALID UNLESS USED UNDER THE SUPERVISION OF A TRULIFE PROJECT CONSULTANT. CONTACT US AT 800-800-8000.

DRAWN BY: [] CHECKED BY: [] APPROVED BY: []

REV. DATE DESCRIPTION

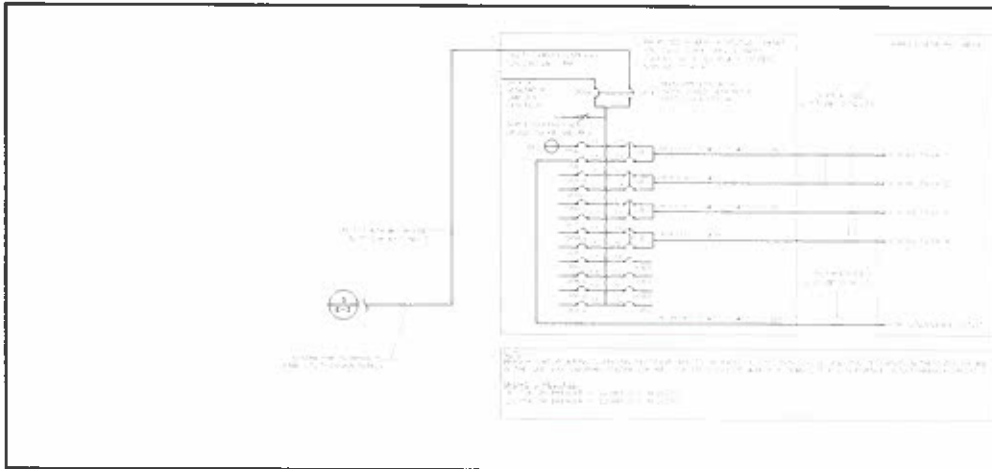
1	01-28-2007	ISSUE 1
2	02-08-2007	ISSUE 2
3	02-08-2007	ISSUE 3
4	02-17-2007	ISSUE 4

ABC PROJECT NUMBER
SESEA003178

DISH WIRELESS, L.L.C.
PROJECT INFORMATION
SESEA003178
653 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE
ELECTRICAL
DETAILS

SHEET NUMBER
E-2



NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (NEC) AND THE 2017 WASHINGTON STATE ELECTRICAL CODE (WSEC).

2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 INTERNATIONAL WIREMANS BULLETIN BOARD (IBB) CODE.

3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 INTERNATIONAL WIREMANS BULLETIN BOARD (IBB) CODE.

4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 INTERNATIONAL WIREMANS BULLETIN BOARD (IBB) CODE.

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9. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 INTERNATIONAL WIREMANS BULLETIN BOARD (IBB) CODE.

10. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 INTERNATIONAL WIREMANS BULLETIN BOARD (IBB) CODE.



5701 SOUTH CAMA FE DRIVE
LITTLETON CO 80120



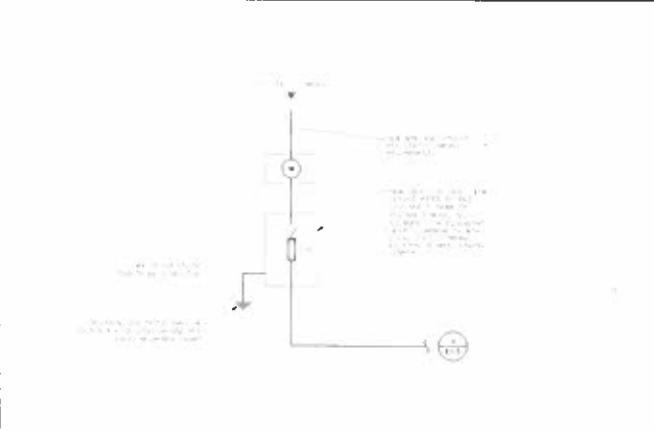
MOBUS LLC
1614 SE 10TH AVE
PORTLAND OR 97214

PEC ONE-LINE DIAGRAM

1

PROPOSED CHARLES PANEL SCHEDULE

LOAD NAME	VOLT AMPS		TRIP	CIR	WIRING	CIR	TRIP	VOLT AMPS		LOAD NAME
	11	12						11	12	
...



IF IN A VOUCHER OF LAW FOR ANY PERSON WHOSE NEGLIGENCE IN ANY MANNER HAS CAUSED OR CONTRIBUTED TO THE DESTRUCTION OF A REGISTERED PROFESSIONAL ENGINEER TO BE HELD RESPONSIBLE THEREFOR.

DESIGN BY	CHECKED BY	APPROVED BY
JLV	BFM	LJB

PROJECT NO. 1 1/24/2021

ZONING DOCUMENTS

REVISIONS

REV	DATE	DESCRIPTION
1	01/28/2021	ISSUE FOR PERMIT
2	02/05/2021	REVISED PER PERMIT
3	02/10/2021	REVISED PER PERMIT
4	02/11/2021	REVISED PER PERMIT

PROJECT NUMBER: SESEAD03178

OWNER: MOBUS LLC
PROJECT: SESEAD03178
653 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE:
ELECTRICAL ONE-LINE, FAULT
CALCS & PANEL SCHEDULE

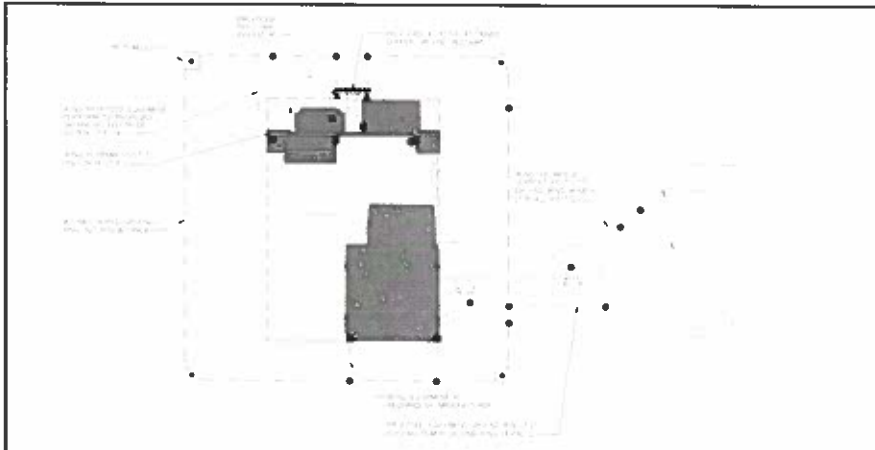
SHEET NUMBER:
E-3

PANEL SCHEDULE

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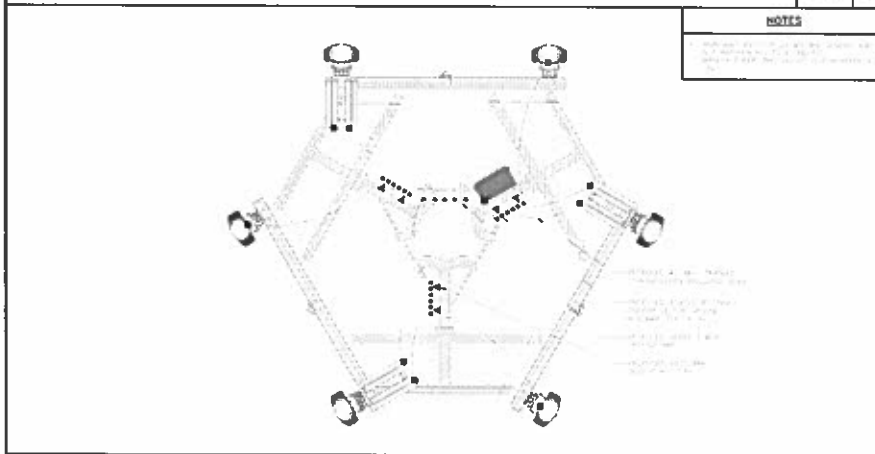
NOT USED

3



TYPICAL EQUIPMENT GROUNDING PLAN

NO. SCALE 1



TYPICAL ANTENNA GROUNDING PLAN

NO. SCALE 2



GROUNDING LEGEND

1. ALL EQUIPMENT SHALL BE GROUNDED TO THE GROUNDING BUS OR TO THE GROUNDING RODS AS SHOWN ON THIS PLAN.

2. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.

3. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

GROUNDING ROOFTOP KEY NOTES

1. ALL EQUIPMENT SHALL BE GROUNDED TO THE GROUNDING BUS OR TO THE GROUNDING RODS AS SHOWN ON THIS PLAN.
2. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
3. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
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NOTES

1. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.

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5701 SOUTH CASHA FE DRIVE
LITTLETON, CO 80120

MODUS LLC
1614 SE 10TH AVE
PORTLAND, OR 97214

SESEAD003178

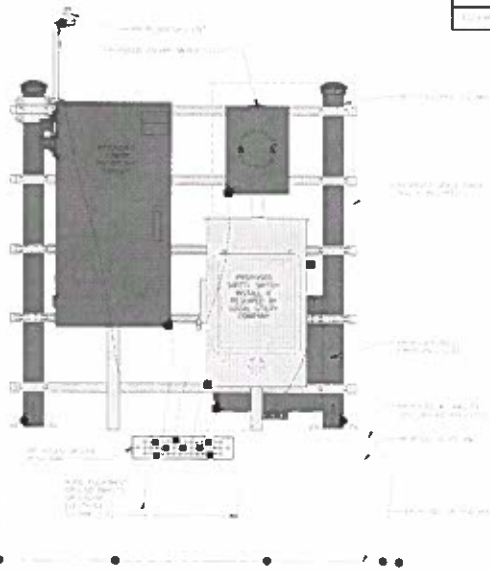
SESEAD003178

653 SLEATER KINNEY RD SE
LACEY, WA 98503

GROUNDING PLANS
AND NOTES

SHEET NUMBER
G-1

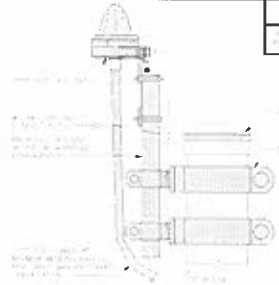
NOTES
 1. SEE SPECIFICATIONS FOR MATERIALS AND METHODS.



M-FRAME GROUNDING DETAIL

NO SCALE 1

NOTES
 1. SEE SPECIFICATIONS FOR MATERIALS AND METHODS.



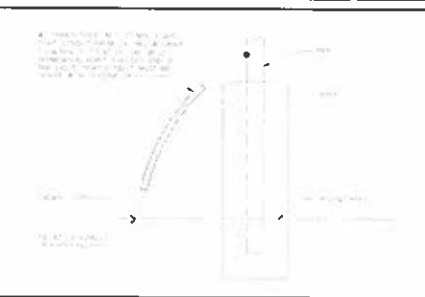
TYPICAL GPS UNIT GROUNDING

NO SCALE 2



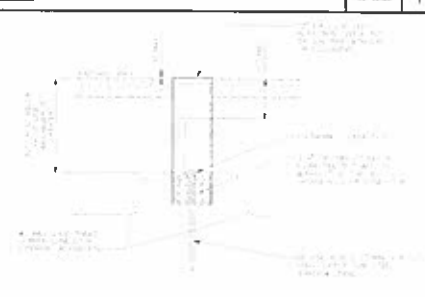
OUTDOOR CABINET GROUNDING

NO SCALE 3



TRANSITIONING GROUND DETAIL

NO SCALE 4



TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE

NO SCALE 5



TYPICAL GROUND RING TRENCH

NO SCALE 6

dish wireless.
 1701 SOUTH SANTA FE DRIVE
 LITTLETON CO 80120

MODIS, LLC
 1614 SE 10TH AVE
 PORTLAND, OR 97214

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DRAWN BY	CHECKED BY	APPROVED BY
JLV	BMH	LJS

RTS REV # 1 04/10/2014

ZONING DOCUMENTS

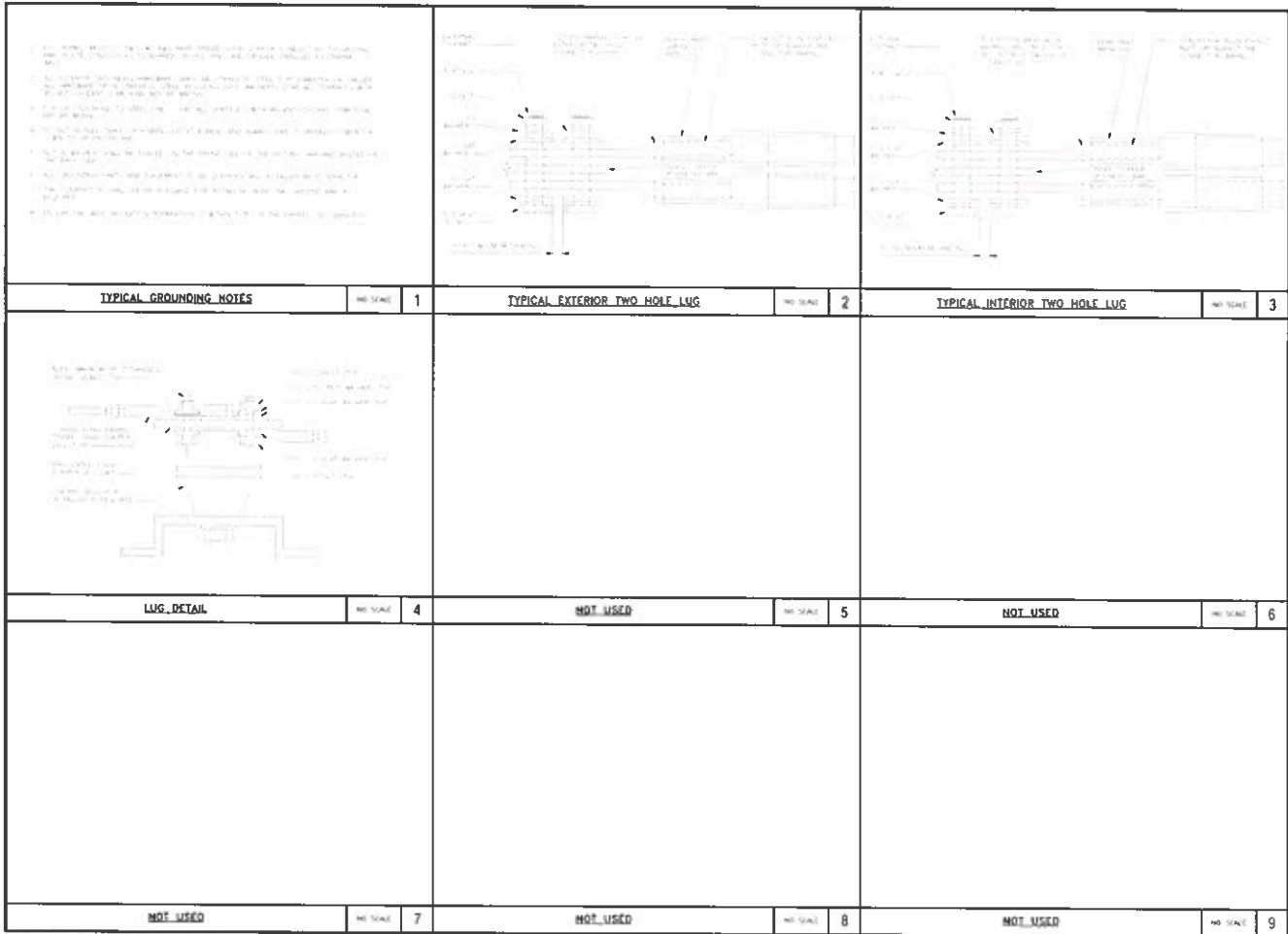
REV	DATE	DESCRIPTION
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2	04/10/2014	ISSUE FOR PERMIT
3	04/10/2014	ISSUE FOR PERMIT
4	04/10/2014	ISSUE FOR PERMIT

ASK PROJECT NUMBER
 SESEA003178

DISH Wireless
 PROJECT INFORMATION
 SESEA003178
 SLEATER KINNEY RD SE
 LACEY, WA 98503

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-2



5701 SOUTH SANTA FE DRIVE
LITTLETON CO 80120



MODUS LLC
1314 SE 10TH AVE
PORTLAND OR 97214

U.S. & CANADA USE ONLY FOR NEW PERSONS
WHICH MAY BE IN THE CARE OF THE CARETAKER
OF A LICENSEE WHOSE LICENSE IS IN THE
STATUS OF REVOKED, SUSPENDED, OR
RECEIVED BY THE BOARD

DESIGNED BY: _____ CHECKED BY: _____ APPROVED BY: _____
JLV BFM LJB
BFDG REV # 1 MW/05/2000

ZONING DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
1	08/28/2005	ISSUE 1 (ISSUE)
2	08/28/2005	ISSUE 1 (ISSUE)
3	08/28/2005	ISSUE 1 (ISSUE)
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ASE PROJECT NUMBER
SESEA003178

SESEA003178
655 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-3

RF COLOR CODING

RF Cable Color Codes

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Jumper Color Coding

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

Hybrid Channel Cables

Low Band 500-1000 MHz 1000-1500 MHz

Power Cables to BNCs

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Cables to BNCs

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Cables to SMA

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Cables to N-Type

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Cables to SMA

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Cables to SMA

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF Cables to SMA

Low Band 500-1000 MHz 1000-1500 MHz 1500-2000 MHz High Band 2000-3000 MHz

RF CABLE COLOR CODES

NOT USED

2

NOT USED


3

RF CABLE COLOR CODES


1

NOT USED

4



9701 SOUTH SANTA FE DRIVE
LITTLETON CO 80120



MODUS LLC
1614 SE 10TH AVE
PORTLAND OR 97214

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DESIGNED BY	CHECKED BY	APPROVED BY
JLV	RFM	LJB

RDS REV # 1 MAR 00/11/11

ZONING DOCUMENTS

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MODUS LLC
PROJECT # SESEAD00317B

SESEAD00317B
653 SLEATER KINNEY RD SE
LACEY, WA 98503

SHEET TITLE
RF CABLE COLOR CODE

SHEET NUMBER
RF-1

