



Contract Number: CTN-IT-CMS140419-02
Effective Date: 6-18-13
Term Date: 3-7-2020
Cost: ☒
Revenue: ☒
Total: _____ NTE: _____
Renewal By: 12-1-2019
Term: 3-7-2020
Reviewed by: yl

BOARD OF SUPERVISORS AGENDA ITEM SUMMARY

Requested Board Meeting Date: June 18, 2013

ITEM SUMMARY, JUSTIFICATION &/or SPECIAL CONSIDERATIONS:

The Second Amendment To Lease between Pima County and Alltel Communications of the Southwest Limited Partnership, replaces Exhibit A (modifications to Rillito Racetrack, 4502 North First Avenue) to include a new generator at the site and a written Spill Prevention Control and Countermeasure Plan for the facility. The back-up generator is in response to the Federal Communication Commission's Order on Reconsideration (FCC 07-177 adopted October 2, 2007, <http://www.njslom.org/FCC-07-177A1.pdf>). The Amendment includes insurance and other language specific to the generator in accordance with Pima County Risk Management requirements. No change in fee structure or basic terms of the contract.

CONTRACT NUMBER (If applicable): CTN-IT-CMS140419 (formerly #04-14-A-140419-0305)

STAFF RECOMMENDATION(S):

The Information Technology Department recommends that the Pima County Board of Supervisors adopt and the Chairman sign the Second Amendment to Lease for Alltel Communications of the Southwest Limited Partnership dba Verizon Wireless.

CORPORATE HEADQUARTERS: Nevada

Page 1 of 2

To: COB- 6-5-13
Agenda 6-18-13
(2)

Procure Dept 05/24/13 PM 12:19

CLERK OF BOARD USE ONLY: BOS MTG. _____

ITEM NO. _____

PIMA COUNTY COST: N/A **and/or REVENUE TO PIMA COUNTY:** \$ N/A

FUNDING SOURCE(S): N/A

(i.e. General Fund, State Grant Fund, Federal Fund, Stadium D. Fund, etc.)

Advertised Public Hearing:

☐

YES

☒

NO

Board of Supervisors District:

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

All ☐

IMPACT:

IF APPROVED:

Alltel Communications of the Southwest Limited Partnership dba Verizon Wireless will install a back-up diesel generator to their existing facility at Rillito Racetrack (4502 North First Avenue) to enhance/improve telecommunication services to Pima County residents and comply with Order on Reconsideration FCC 07-177 dated October 2, 2007.

IF DENIED:

Alltel Communications of the Southwest Limited Partnership dba Verizon Wireless will not be allowed to install a back-up diesel generator to their existing facility at Rillito Racetrack (4502 North First Avenue) and telecommunication services will not be enhanced/improved for Pima County residents, and there will be no compliance with Order on Reconsideration FCC 07-177 dated October 2, 2007.

DEPARTMENT NAME: Information Technology

CONTACT PERSON: Julie K McWilliams **TELEPHONE NO.:** 724-8066

CONTRACT	
NO. <u>CTN-IT-CMS140419</u>	
AMENDMENT NO.	<u>02</u>
This number must appear on all invoices, correspondence and documents pertaining to this contract.	



PIMA COUNTY
SECOND AMENDMENT
TO LEASE
CONTRACT No. CTN-IT-CMS140419
(Former Contract No. 04-14-A-140419-0305)

THIS AMENDMENT is entered into by and between Pima County ("County"), a political subdivision of the State of Arizona, and Alltel Communications Southwest Holdings, Inc., d/b/a Verizon Wireless ("Verizon"), a Delaware Corporation, and shall be effective upon execution by County.

RECITALS

County and Alltel Communications of the Southwest Limited Partnership entered into a Lease Agreement dated March 8, 2005, and recorded on November 16, 2007, in Docket 13183, Page 2324 in the office of the Pima County, Arizona, Recorder and assigned contract #04-14-A-140419-0305. The Lease was subsequently assumed by Alltel Communications Southwest Holdings, Inc., d/b/a Verizon Wireless and reassigned Contract # CTN-IT-CMS140419, as documented in the First Amendment to Lease dated July 10, 2012.

With this Second Amendment to Lease, the parties desire to modify the existing telecommunications facility located at the Rillito Racetrack, 4502 North First Avenue, Tucson, Arizona.

AGREEMENT

WHEREFORE, the parties agree as follows:

1. The effective date of this Second Amendment to Lease shall be upon execution by County.

2. Annual fee shall remain unchanged.
3. Exhibit A is replaced in its entirety (attached Revised Exhibit A, TUC MUSTANG MALL, 4502 North First Avenue) to include a new generator at the site and a written Spill Prevention Control and Countermeasure Plan (SPCC) for the facility.
4. Lessee must obtain pollution liability insurance in the amount of \$1,000,000 naming Pima County as additional insured. Lessee shall provide County with current certificate of insurance evidencing that such insurance is in full force and effect. Lessee or its insured representative shall provide County written notice at least thirty (30) days prior to the cancellation of such insurance. The certificate of insurance as required herein must be presented to County within thirty (30) days of the effective date of this Second Amendment and on each anniversary date thereof during the term of the Lease, including any renewals and any holding-over thereafter.
5. If facility generates greater than 325 brake horsepower (bhp), Lessee will be required to hold a Pima County permit (Pima County Code 17.12.140.B.3)
6. Construction and other work described herein must not/cannot/will not prevent, interfere, interrupt, or otherwise disrupt scheduled events at the facility.
7. All other provisions of the Lease shall remain in effect and continue to be binding upon the parties.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties have affixed their signatures to this Second Amendment to Lease on the dates written below.

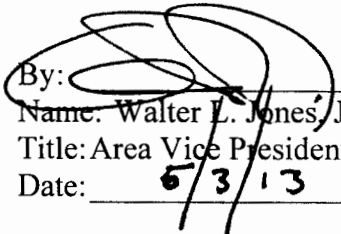
PIMA COUNTY:

Chair, Board of Supervisors

Date

LESSEE:

Alltel Communications Southwest
Holdings, Inc, d/b/a Verizon Wireless

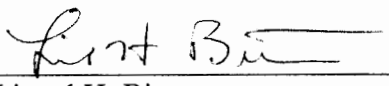
By: 
Name: Walter L. Jones, Jr.
Title: Area Vice President Network
Date: 5/3/13

ATTEST:

Clerk of the Board of Supervisors

Date

APPROVED AS TO CONTENT:



Lionel H. Bittner
Pima County Chief Information Officer

5/24/13

Date

APPROVED AS TO CONTENT:

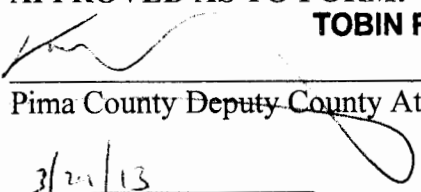


Rafael Payan, Jr.
Pima County Parks & Recreation Director

05.15.2013

Date

APPROVED AS TO FORM:



TOBIN ROSEN
Pima County Deputy County Attorney

3/21/13

Date

FCC COMPLIANCE

RADIATION FROM THIS FACILITY WILL NOT INTERFERE WITH OPERATION OF OTHER COMMUNICATION DEVICES.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION OF (1) 40W GENERATOR PAD, (1) 40W DIESEL GENERATOR, AND (1) AUTOMATIC TRANSFER EQUIPMENT CABINET.

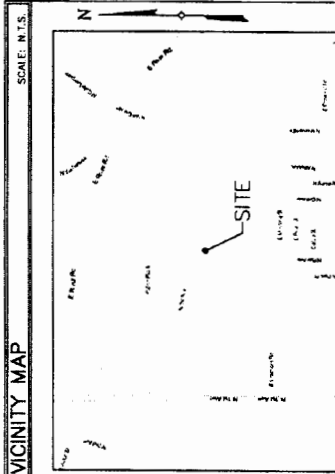
SPILL PREVENTION CONTROL AND COUNTERMEASURE

THE PROPOSED ABOVE GROUND GENERATOR FUEL TANK CAPACITY IS 210 U.S. GALLONS IN WHICH THE SITE IS NOT SUBJECT TO SPCC RULE PER EPA. SPCC RULE IS REQUIRED FOR TANKS WITH A CAPACITY OF 1,320 U.S. GALLONS FOR ABOVE GROUND FACILITIES.



Call before you dig.

VICINITY MAP



DRIVING DIRECTIONS:

- FROM VERIZON TEMPE OFFICE:
1. HEAD WEST ON W. GERMEN ROAD TOWARD S. ASH AVE., TAKE LEFT ON S. ASH AVE. (ORIVE APPROX. 1.5 MILES)
2. LEFT ON S. ASH AVE. (ORIVE APPROX. 1.5 MILES)
3. LEFT ON S. VERMONT RD (ORIVE APPROX. 1.5 MILES)
4. RIGHT ON W. ELLIOT RD (ORIVE APPROX. 1.6 MILES) MERGE ON I-10 EAST
5. I-10 EAST (ORIVE APPROX. 02.1 MILES) TO EAST 250 (ORANGE GROVE ROAD) TURN
6. RIGHT (SOUTH) ON W. RIVER RD (ORIVE APPROX. 3.5 MILES)
7. RIGHT ON N. 1ST AVE. (ORIVE APPROX. 1.5 MILES)
8. SITE IS ON THE LEFT

REVISED EXHIBIT A



TUC MUSTANG MALL

4502 N 1st AVENUE
TAX MAP ID NO. 108-19-004A
TUSCON, AZ 85718
PIMA COUNTY

GENERATOR ADDITION

PROJECT SUMMARY

SITE NAME:	TUC MUSTANG MALL
ADDRESS:	4502 N 1st AVENUE TUSCON, AZ 85718
EXIST SITE INFORMATION:	FIRE: (520) 781-4512 FIRE: (520) 781-4512 FIRE: (520) 781-4444 108-19-004A
TAX MAP PARCEL ID:	RY-1
ZONING CLASSIFICATION:	CITY OF TUSCON 73 MONOPOLY
STRUCTURE TYPE:	W 32' 17" 18'9"
TOWER COORDINATES (NAD 83):	2,329 773 455
GROUND ELEVATION (NAVD 88):	3500 W. RIVER RD, TUSCON, AZ 85741
PROPERTY OWNER:	PARKS AND RECREATION DEPT.
APPLICANT:	TECHNICAL ENGINEERING FOR VERIZON WIRELESS 4041 SOUTH HICKMATT DRIVE, SUITE 202 TEMPE, AZ 85282
CONTACT PERSON:	COLMAN BURKE (518) 441-3874
CONTACT PHONE:	TECHNICAL ENGINEERING & SURVEYING CONSULTANTS, P.C. 8838 MAYLAND DRIVE, SUITE 102 RICHMOND, VA 23284
ENGINEER/DESIGNER:	PHILIP S. WELTA, P.E. (804) 277-0504 VERIZON WIRELESS (518) 441-3874
ENGINEERING CONTACT PERSON:	N/A
ENGINEERING CONTACT PHONE:	N/A
IF ASING/ZONING CONTACT PHONE:	N/A
SURVEYOR:	N/A
SURVEYOR CONTACT PERSON:	N/A
SURVEYOR CONTACT PHONE:	N/A

GENERAL PROJECT NOTES

- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE SCOPE OF WORK AND CONDITIONS AFFECTING THE NEW PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL DIMENSIONS OF THE JOB SITE AND CONFIRM THAT WORK AS INDICATED ON THESE CONSTRUCTION DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN PRIOR TO COMMENCEMENT OF ANY WORK.
- ALL FIELD MODIFICATIONS BEFORE, DURING, OR AFTER CONSTRUCTION SHALL BE APPROVED IN WRITING BY A VERIZON WIRELESS REPRESENTATIVE.
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE MANUFACTURER'S RECOMMENDATIONS, UNLESS INDICATED OTHERWISE.
- NOTIFY VERIZON WIRELESS, IN WRITING, OF ANY MAJOR DISCREPANCIES, REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND IN SITU INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM A VERIZON WIRELESS REPRESENTATIVE, AND ADJUSTING THE BID ACCORDINGLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES AND SCHEDULING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND FINISHES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY OCCUR DURING THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE VERIZON WIRELESS WITH ONE COPY OF ALL RED-LINED DRAWINGS.
- VERIFY ALL FINAL EQUIPMENT WITH A VERIZON WIRELESS REPRESENTATIVE. ALL EQUIPMENT LAYOUT, SPECS, DIMENSIONS, AND LOCATION SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS/HER WORK WITH THE WORK AND CLEARANCES REQUIRED BY OTHERS RELATED TO SAID INSTALLATIONS.
- VERIFY ALL FINAL EQUIPMENT WITH A VERIZON WIRELESS REPRESENTATIVE. ALL EQUIPMENT LAYOUT, SPECS, DIMENSIONS, AND LOCATION SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS/HER WORK WITH THE WORK AND CLEARANCES REQUIRED BY OTHERS RELATED TO SAID INSTALLATIONS.

PLANS CONFORM TO 2009 IBC

PLANS CONFORM TO NEC 2011

ALL PLANS SCALE TO 24" x 36"

SHEET INDEX

SHEET	TITLE	REV. NO.	DATE
1-1	TITLE SHEET	4	1/10/13
1S-1	BOUNDARY DETAIL	2	8/15/12
1S-2	SURVEY DETAIL	2	8/15/12
2-1	WIRELESS SITE PLAN	4	1/10/13
2-2	GENERATOR WIRING & DETAILS	4	1/10/13
2-3	FENCE DETAILS	4	1/10/13
2-4	ELECTRICAL SITE PLAN	4	1/10/13
2-5	ELECTRICAL NOTES & SINGLE LINE DIAGRAM	4	1/10/13
2-6	GROUNDING SITE PLAN	4	1/10/13
2-7	GROUNDING NOTES & DETAILS	4	1/10/13
SP-1	SPECIFICATION SHEET	4	1/10/13
GEN-1	GENERAL GENERATOR INSTALLATION SPECIFICATIONS		

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNLESS ALL ITEMS OF CONCERN HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION"

108 N. GERMEN DRIVE
TEMPE, AZ 85283

VERIZON
TECHNICAL ENGINEERING & SURVEYING
4041 SOUTH HICKMATT DRIVE, SUITE 202
TEMPE, AZ 85282
Phone: (518) 441-3874
www.verizonwireless.com

WORK ORDER NUMBER: 6158 MUSTANG
DRAWN BY: TIM

NO.	DATE	ISSUE
0	1/23/12	PRELIMINARY
1	7/27/12	100% FINAL
2	8/15/12	100% FINAL COMMENTS
3	11/18/12	100% SPCC UPDATE
4	1/10/13	100% FINAL COMMENTS

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SITE INFORMATION
TUC MUSTANG MALL
4502 N 1st AVE.
TUSCON, ARIZONA
PIMA COUNTY
TUSCON, AZ 85718
VZW PROJ#2012731000

ORIGINAL SITE IN INCHES

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

125 N. GAVIN AVENUE
TEMPE, AZ 85283

PROJECT INFORMATION:

TUC MUSTANG MALL
4002 ARIZONA AVE. ANCHISE
TUCSON, ARIZONA 85718

ORIGINAL ISSUE DATE:
08/07/2012

REV.	DATE	DESCRIPTION	BY
1	08/15/2012	LEASE AREA	LJS
2	08/15/2012	LEASE AREA	NF

PLANS PREPARED BY:

TECTONIC
TECHNICAL CONSULTANTS
3000 N. GAVIN AVENUE, SUITE 100
TEMPE, ARIZONA 85283
PH: (602) 971-2800
FAX: (602) 971-2801
www.tectonicengineering.com

CONSULTANT:

Ambit
TECHNICAL CONSULTANTS
3000 N. GAVIN AVENUE, SUITE 100
TEMPE, ARIZONA 85283
PH: (602) 971-2800
FAX: (602) 971-2801
www.ambitconsultants.com

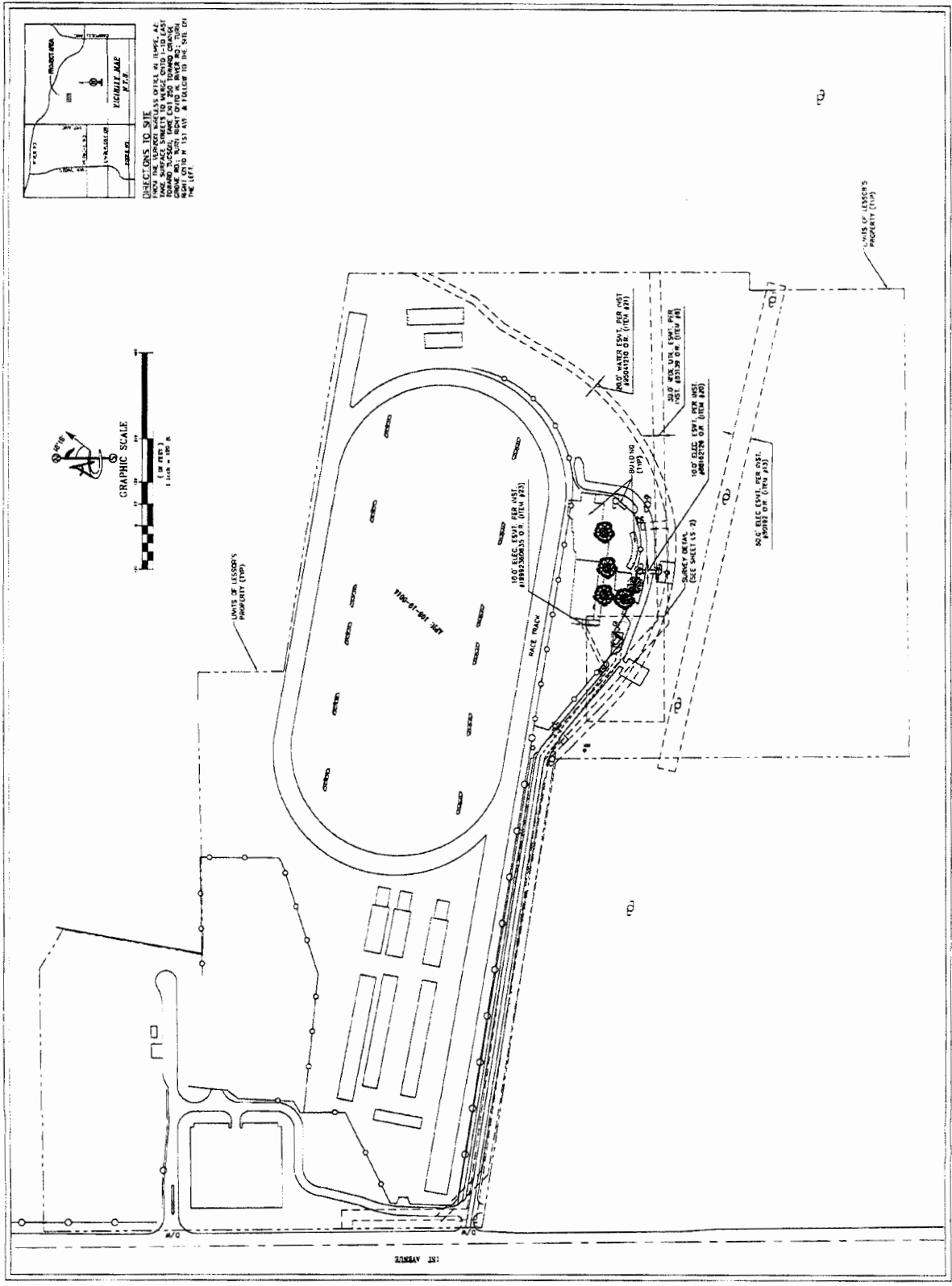
DRAWN BY: ME DA NF

CHECKED BY: ME DA NF

08/07/2012

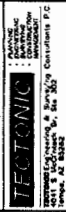
SHEET TITLE:
BOUNDARY DETAIL

SHEET NUMBER:
LS-1





100 N. GOWAN DRIVE
TUCSON, AZ 85718



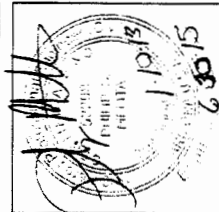
TECHNICAL
Engineering & Surveying
Tucson, AZ 85718
Phone: (520) 298-1811
Fax: (520) 298-1812
www.technical-engineering.com

WORK ORDER NUMBER: 6159 MUSTANG
DRAWN BY: TIM

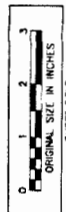
NO.	DATE	ISSUE
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1	7/27/12	100% FINAL
2	8/15/12	100% FINAL COMMENTS
3	11/19/12	100% SPEC UPDATE
4	11/19/12	100% FINAL COMMENTS

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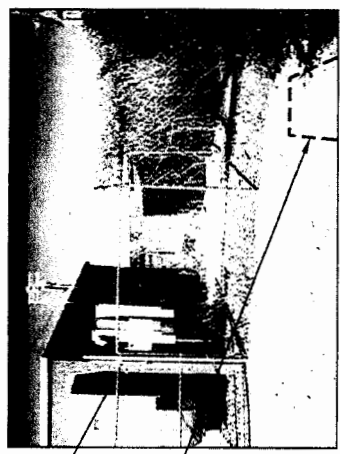
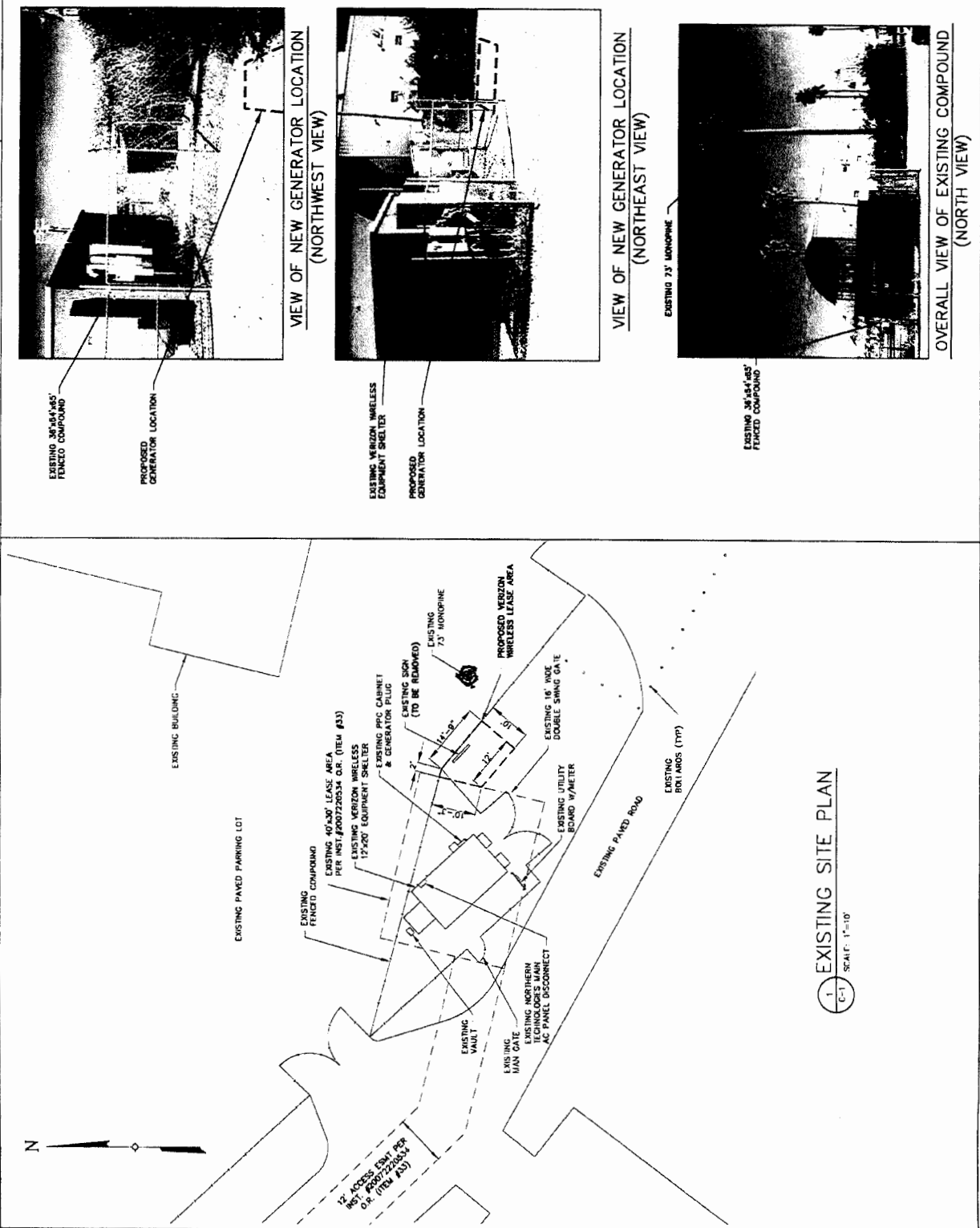


SITE INFORMATION
TUC MUSTANG MALL
4502 N 1st AVE.
TUCSON, ARIZONA
PIMA COUNTY
TUCSON, AZ 85718
VZW PROJ#2012731000

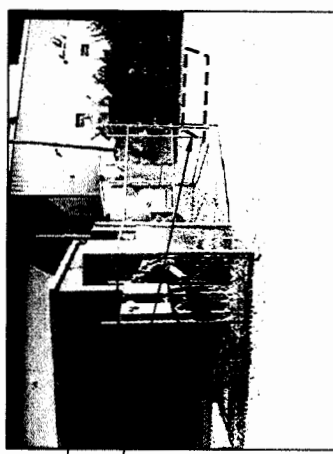


SHEET TITLE
SITE PLAN

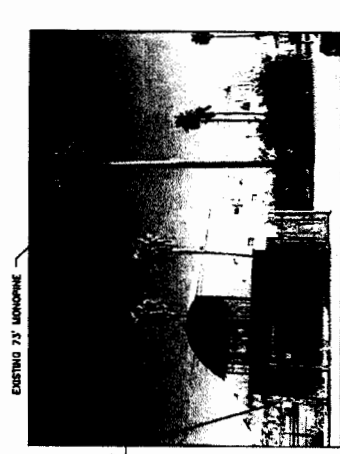
SHEET NUMBER
C-1



VIEW OF NEW GENERATOR LOCATION
(NORTHWEST VIEW)

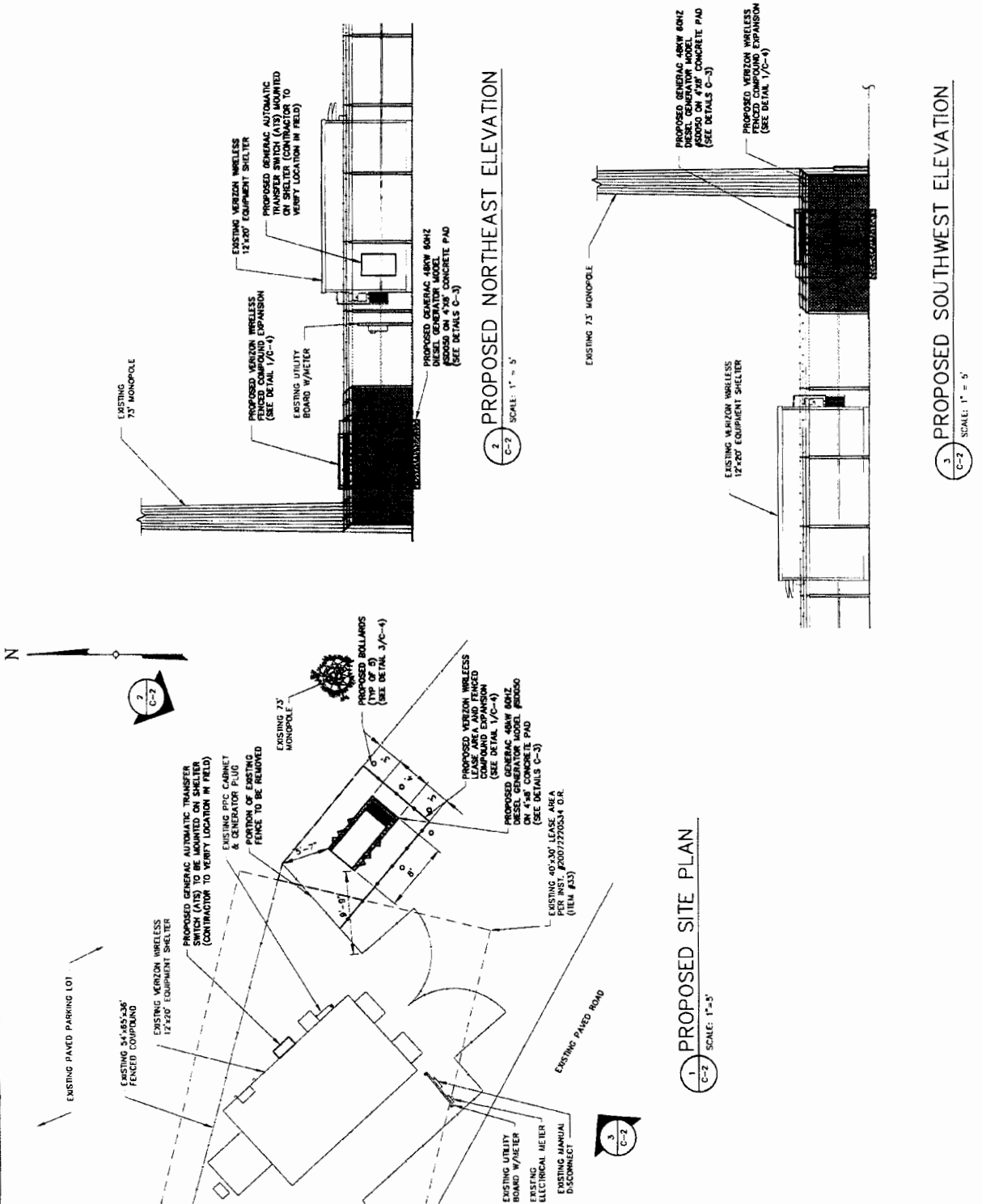


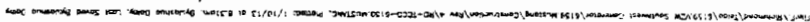
VIEW OF NEW GENERATOR LOCATION
(NORTHEAST VIEW)

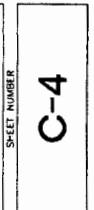


OVERALL VIEW OF EXISTING COMPOUND
(NORTH VIEW)

EXISTING SITE PLAN
SCALE: 1"=10'







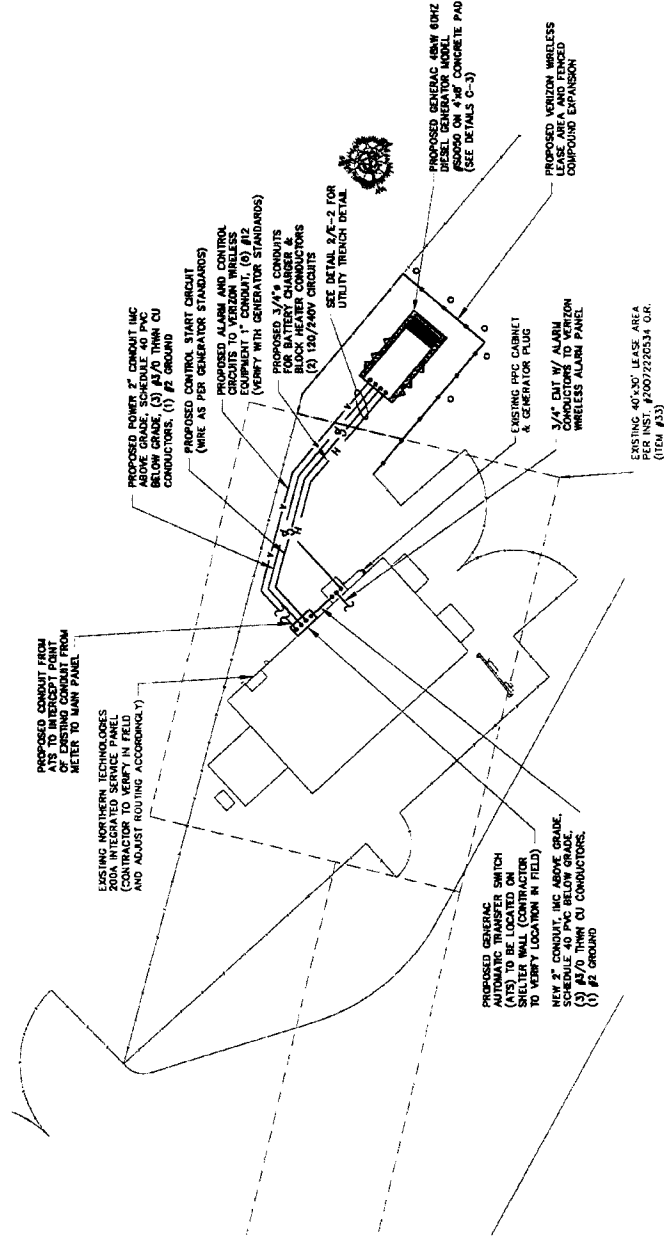
2
C-4

POST CONNECTION

SCALE: 1" = 1'-0"

ELECTRICAL NOTES

1. CONTRACTOR TO VERIFY THAT EXISTING SERVICE IS GROUNDED PROPERLY PER NEC 2011.
2. CONTRACTOR TO VERIFY THAT EXISTING SERVICE CONDUCTORS ARE SIZED PROPERLY PER NEC 2011.
3. CONDUIT TO BE SCHEDULED 40' ABOVE GRADE, 1" BELOW GRADE, AND/OR GRADE, BUT ACCEPTABLE INDOORS.
4. WHEN ATS IS ORDERED FROM GENERAC, IT SHALL BE SPECIFIED TO BE THE VERIZON WIRELESS APPROVED 200A ATS WITH BUILT-IN SURGE PROTECTION DEVICE (SPD).
5. SINGLE-SIDE SERVICE 48W GENERATOR REQUIRED FOR THIS SITE MUST BE ORDERED WITH (6) WEEKS LEAD TIME.
6. GENERATOR FAULT CURRENT WILL BE GREATER THAN OR EQUAL TO EXISTING FAULT CURRENT (ELECTRICAL CONTRACTOR VERIFY IN FIELD).



1 ELECTRICAL SITE PLAN
E-1 SCALE: 1" = 5'

verizon wireless
135 S. CORAL DRIVE
TEMPE, AZ 85283

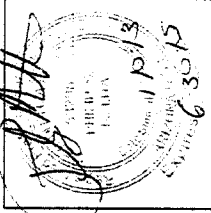
TESTONIC
1000 N. GILBERT AVENUE, SUITE 202
TUCSON, AZ 85718
Phone: (520) 731-1231
Fax: (520) 731-1232
www.testonicgroup.com

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DRAWN BY: TM
WORK ORDER NUMBER: 6158A MUSTANG
DATE: 1/15/13

NO.	DATE	ISSUE
0	3/12/12	PRELIMINARY
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3	11/16/12	100% SPC UPDATE
4	11/16/12	100% FINAL COMMENTS

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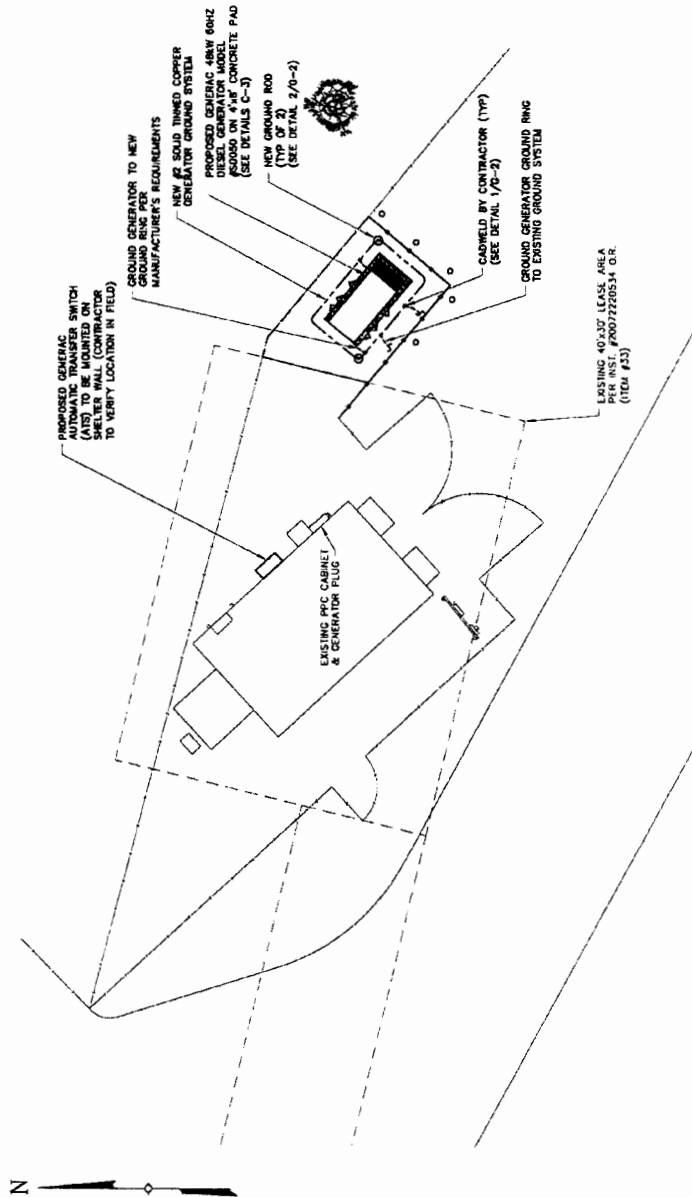
SITE INFORMATION
TUC MUSTANG MALL
4502 N 1st AVE.
TUCSON, ARIZONA
PIMA COUNTY
TUCSON, AZ 85718
VZW PROJ#2012731000



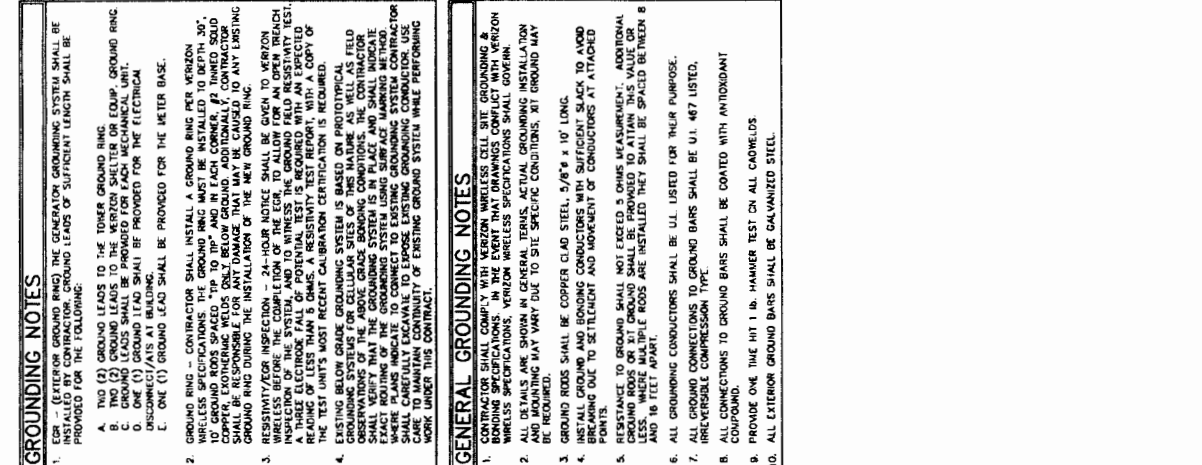
ELECTRICAL SITE PLAN
SHEET NUMBER

E-1

GROUNDING LEGEND	
	METER
	CIRCUIT BREAKER
■	CABLED TYPE CONNECTION BY CONTRACTOR
□	COAXIAL CABLE SHIELD GROUND KIT CONNECTION BY CONTRACTOR
●	COMPRESSION FITTING GROUND CONNECTION
⊗	GROUND ROD WITH TEST WELL
⊙	GROUND ROD
⋯	GROUND CONNECTION BY CONTRACTOR
⋯	GROUND RING BY CONTRACTOR
⋯	GROUND CONDUCTION BY CONTRACTOR
⋯	COPPER GROUND BAR



1 GROUNDING SITE PLAN
G-1 SCALE: 1" = 5'



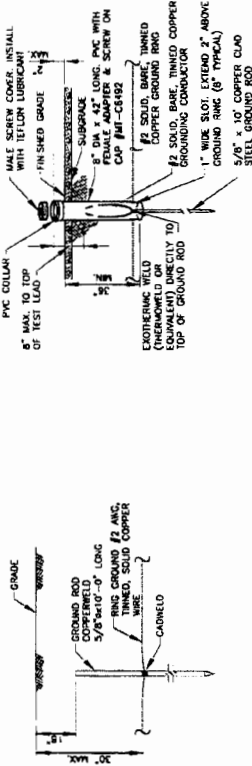
FOR - (EITHER GROUND RING) THE GENERATOR GROUNDING SYSTEM SHALL BE INSTALLED BY CONTRACTOR. GROUND LEADS OF SUFFICIENT LENGTH SHALL BE PROVIDED FOR THE FOLLOWING:

- A. TWO (2) GROUND LEADS TO THE TOWER GROUND RING.
- B. TWO (2) GROUND LEADS TO THE VERTICAN SHELTER OR EQUIP. GROUND RING.
- C. GROUND LEADS SHALL BE PROVIDED FOR EACH MECHANICAL UNIT.
- D. ONE (1) GROUND LEAD SHALL BE PROVIDED FOR THE ELECTRICAL.
- E. ONE (1) GROUND LEAD SHALL BE PROVIDED FOR THE WATER BASE.

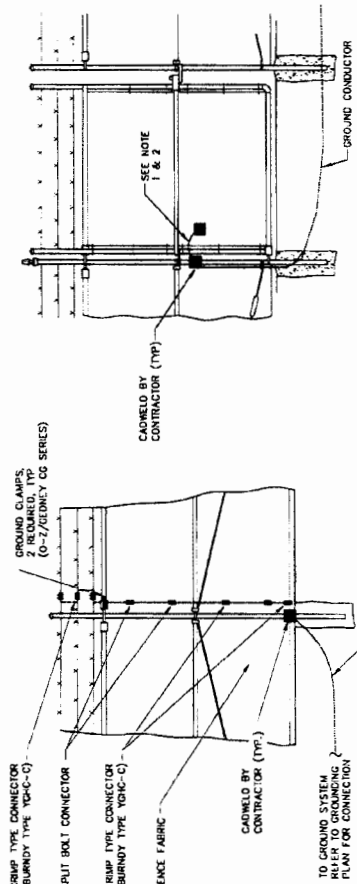
1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND NATIONAL SPECIFICATIONS, IN THE EVENT THAT DRAWINGS CONFLICT WITH ANY OF THE ABOVE SPECIFICATIONS, GENERAL REQUIREMENTS SHALL PREVAIL.
2. ALL DETAILS ARE SHOWN IN GENERAL TERMS, ACTUAL DIMENSIONS, INSTALLATION AND JOINTING MAY VARY DUE TO SITE SPECIFIC CONDITIONS, KIT GROUND MAY BE REQUIRED.
3. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" X 10' LONG.
4. INSTALL GROUND AND BONDING CONDUCTORS WITH SUFFICIENT SLACK TO ALLOW FOR SETTLEMENT AND AGREEMENT OF CONDUCTIONS AT ATTACHED POINTS.
5. RESISTANCE TO GROUND SHALL NOT EXCEED 5 OHMS MEASUREMENT. ADDITIONAL GROUND RODS OR KIT GROUND SHALL BE PROVIDED TO ATTAIN THIS VALUE OR LESS. WHERE MULTIPLE RODS ARE INSTALLED THEY SHALL BE SPACED BETWEEN 8' AND 16' MAXIMUM.
6. ALL GROUNDING CONDUCTORS SHALL BE U.L. LISTED FOR THEIR PURPOSE.
7. ALL GROUND CONNECTIONS TO GROUND BARS SHALL BE U.L. #47 LISTED, IRREVERSIBLE COMPRESSION TYPE.
8. ALL CONNECTIONS TO GROUND BARS SHALL BE COATED WITH ANTI-OXIDANT COMPOUND.
9. PROVIDE ONE THE HIT 1 lb. HAMMER TEST ON ALL CABLES.
10. ALL EXTERIOR GROUND BARS SHALL BE GALVANIZED STEEL.



TYPICAL CADWELD & COMPRESSION CONNECTION DETAILS



3 GROUND ROD W/ TEST WELL DETAIL



NOTES.

1. GATE JUMPER SHALL BE #4/0 AWC WELDED CAR F OR F1XMBT COPPER BRAID BURDENT TYPE B WITH SLEEVES ON EACH END DESIGNED FOR EXOTHERMIC WELDING.
2. GATE JUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECTED TO DAMAGING STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION.

5 FENCE GATE GROUNDING

FENCE GROUNDING

GENERAL PROJECT NOTES

- CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND TO THE PROPERTY ON THE SITE CAUSED BY THIS CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
- EXCESS SOIL MATERIAL AND DEBRIS CAUSED BY THIS CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- CONTRACTOR SHALL MAKE ADJUSTMENTS TO GRADING ELEVATIONS AS NECESSARY TO ENSURE A SITE FREE OF DRAINAGE PROBLEMS.
- CONTRACTOR SHALL FENCE OFF ALL EXISTING AND PROPOSED ADJACENT AREAS WITH THE TEMPORARY FENCE. THE TEMPORARY FENCE SHALL BE CONSTRUCTED OF 5' HIGH CHAIN LINK FENCE AND IS TO BE REMOVED AT THE END OF CONSTRUCTION. THE ADJACENT AREA IS TO BE RESTORED TO ITS ORIGINAL CONDITION AFTER FENCE REMOVAL.

CONCRETE NOTES

- ALL CONCRETE SHALL BE IN ACCORDANCE WITH CHAPTER 19 OF THE BEC & ACI 318. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," LATEST EDITION, & HAVE THE FOLLOWING REQUIREMENTS:
 - MINIMUM 28-DAY COMPRESSIVE STRENGTH (CG) OF 4,000 PSI.
 - CEMENT SHALL BE "LOW-ALKALI" TYPE I/II (MODERATE SULFATE RESISTANCE, AIR ENTRAINMENT) CONFORMING TO ASTM C150.
 - MAXIMUM WATER/CEMENT RATIO OF 0.45 AND AIR-ENTRAINMENT 5% TO 7%.
 - LABORATORY TOLERANCES IN ACCORDANCE WITH ACI 117. COPIES OF CONCRETE MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO POUR.
 - ALL AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C33. USE ONLY AGGREGATE KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. MAXIMUM AGGREGATE SIZE TO BE 1 1/2".
 - MAXIMUM SLOPE: 3:1 SLABS.
- FORMWORK FOR CONCRETE SHALL CONFORM TO ACI 347. TOLERANCES FOR FINISHED SURFACES SHALL BE AS FOLLOWS:
 - VERTICAL SURFACES: $\pm 1/4"$ VERTICAL, $\pm 1"$ HORIZONTAL.
 - CHAMFER ALL EXPOSED CORNERS AND FILLET ENTRANT ANGLES 3/4" UNO.
- CONCRETE FINISHING:
 - 301 SECTIONS 5.3, 8.3, AND 7.3. PROVIDE ROUGH FINISH FOR ALL SURFACES NOT EXPOSED TO VIEW AND SMOOTH FINISH FOR ALL OTHERS, UNO.
- A MINIMUM OF ONE (1) SET OF CONCRETE CYLINDERS SHALL BE TAKEN, EACH SET THREE (3) AND ONE (1) ALTERNATE SHALL BE TESTED AT 28 DAYS. ALL CYLINDERS SHALL BE TESTED BY A TESTING LAB IN ACCORDANCE WITH ASTM C172, C31, AND C39.

GENERAL CONTRACTOR NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE PROJECT SCOPE OF WORK DEFINED UNDER THE REQUEST FOR PROPOSAL (RFP) FOR THIS PROJECT AND ALL ASSOCIATED ATTACHMENTS AND DOCUMENTS PROVIDED.

THE RFP AND ALL ASSOCIATED DOCUMENTS SHALL DEFINE THE COMPLETE PROJECT SCOPE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL DOCUMENTS AND IS SOLELY RESPONSIBLE FOR ALL WORK.

ALL DOCUMENTS INCLUDED WITHIN THE PROJECT REQUEST FOR PROPOSAL ARE REQUIRED TO BE READ AND UNDERSTOOD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK (EQUIPMENT, MATERIAL, INSTALLATION, TESTING, ETC.) INDICATED IN ALL DOCUMENTS. THE RFP, VERIZON WIRELESS NETWORK STANDARDS AND PROJECT SPECIFICATIONS AND CLARIFICATIONS ARE COMPLEMENTARY TO EACH OTHER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND TO OBTAIN ALL NECESSARY INFORMATION FROM THE SUBCONTRACTOR WORK AND VERIZON WIRELESS WILL NOT ACCEPT ANY CHANGE ORDERS FOR INTERNAL CONTRACTOR WORK ASSIGNMENTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING ALL RFP DOCUMENTS TO THEIR SUBCONTRACTORS AND PROVIDING ALL NECESSARY INFORMATION TO THEIR SUBCONTRACTORS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO THEIR SUBCONTRACTORS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO THEIR SUBCONTRACTORS.

THE REVIEW OF A CONTRACT BETWEEN THE DRAWINGS, SPECIFICATIONS, REFERENCES, THE ARCHITECT/ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE DETAILED INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ARCHITECT/ENGINEER INTERPRETATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO VERIZON WIRELESS.

2. ALL LOADS MUST BE SECURED PROPERLY TO THE VEHICLE OR TRAILER. VERIZON WIRELESS WILL PASS ALONG THE COST OF ANY REPLACEMENTS DUE TO DAMAGE OR LOSS, WHETHER IT IS NEW OR USED.



VERIZON WIRELESS
155 N. EDNA DRIVE
TUCSON, AZ 85718

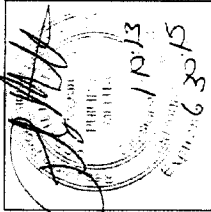
TECTONIC
155 N. EDNA DRIVE
TUCSON, AZ 85718
Phone: (520) 899-1331
www.tectonicengineering.com

WORK ORDER NUMBER: 6150 MUSTANG
DRAWN BY: THM

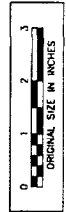
NO.	DATE	ISSUE
0	5/12/12	PRELIMINARY
1	7/27/12	100% FINAL
2	8/15/12	100% FINAL COMMENTS
3	11/19/12	100% SPEC UPDATE
4	11/19/12	100% FINAL COMMENTS

UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF THE PROFESSIONAL ENGINEER AND ARCHITECT IS A VIOLATION OF THE STATE LICENSING REGULATIONS

COPIES OF THIS DOCUMENT WITHOUT A SIGNATURE OF THE PROFESSIONAL ENGINEER AND ARCHITECT ARE NOT VALID. ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR ARCHITECT MUST BE CONSIDERED VALID COPIES.



SITE INFORMATION
TUC MUSTANG MALL
4502 N 1st AVE.
TUCSON, ARIZONA
PIMA COUNTY
TUCSON, AZ 85718
VZW PROJ#2012731000



SHEET TITLE
SPECIFICATION SHEET

SHEET NUMBER
SP-1

0J8316A

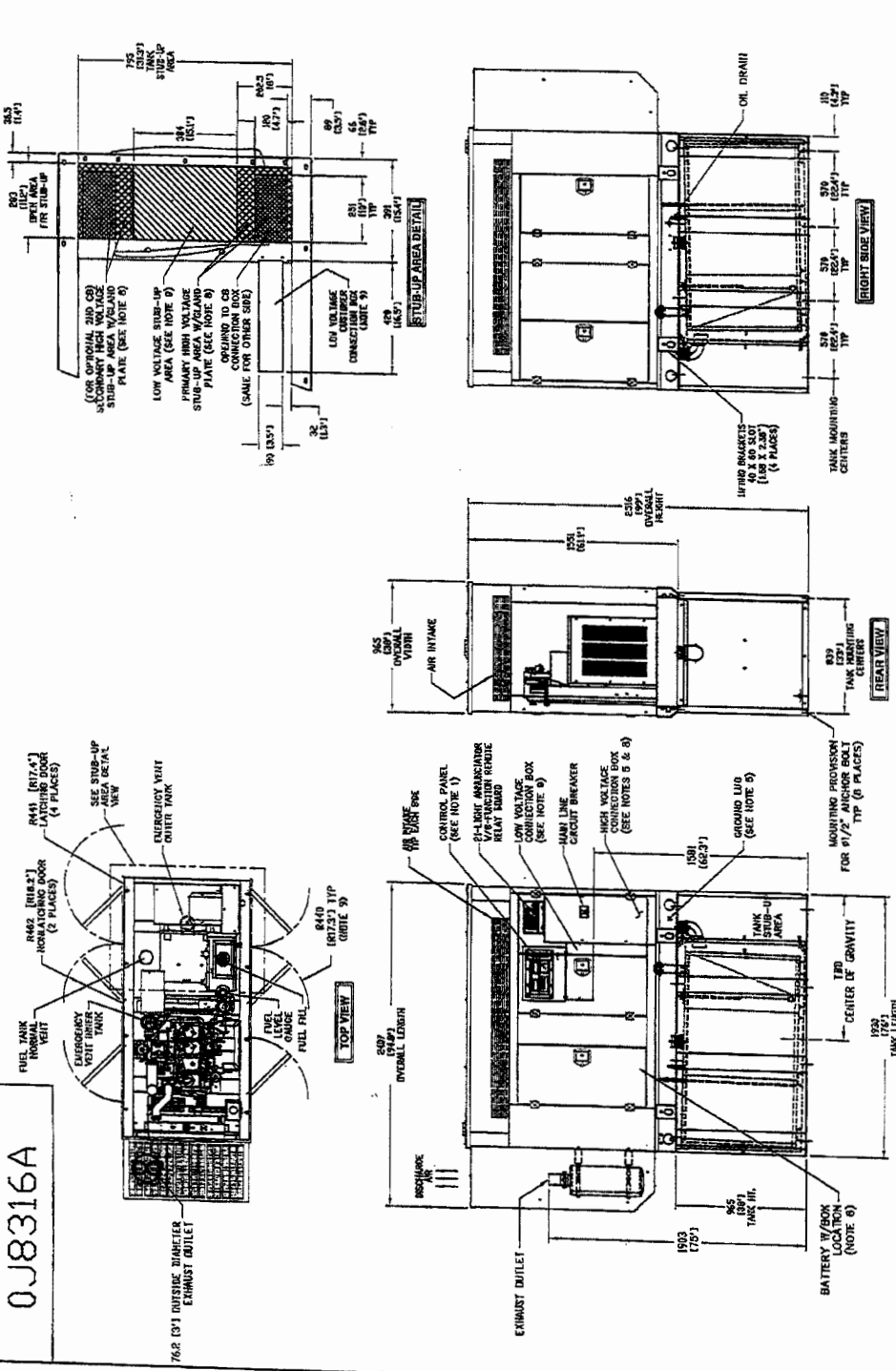
DESCRIPTION	RECOMMENDED ELECTRICAL STUB-UPS (SEE DETAIL VIEW & TOP VIEW)
HIGH VOLTAGE STUB-UP AREA	1) AC LOW VOLTAGE STUB-UP AREA
2) 120/240 VAC FROM UTILITY FOR OPTIONAL LOADS SUCH AS GFI OUTLET, BLOCK HEATER, 120/240 VAC FROM OTHER	
(CLAMP PLATE INCLUDED)	
LOW VOLTAGE STUB-UP AREA	1) TRANSFER SWITCH
2) TRANSFER SWITCH	
3) COMMUNICATIONS AND 2-WIRE START WIRE MUST BE RUN IN CONDUIT WITH AC WIRING.	
(SEE NOTE 9)	

- NOTES:
- CONTROL PANEL, W/INTERLOCK CHARGER, THREE PHASE CORRO CONTROL OUT OF CONTROL PANEL IS FOR THE BATTERY CHARGER.
 - 12 VOLT NEGATIVE GROUND SYSTEM.
 - OPTIONAL EMERGENCY STOP SHIPPED LOOSE WITH GENERATOR.
 - CENTER OF GRAVITY & HEIGHT MAY VARY SLIGHTLY DUE TO UNIT OPTIONS.
 - TANK STUB-UP AREA.
 - HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOW VOLTAGE CONNECTION AND MAINLINE CONNECTION (SEE NOTE 9).
 - CONNECTION POINTS FOR CONTROL WIRING, BOTTOM OF LOW VOLTAGE STUB-UP AREA.
 - 3/4" CONDUIT FITTINGS.
 - MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR DISCHARGE AIR AND EXHAUST REQUIREMENTS.
 - MUST ALLOW FREE FLOW OF INTAKE AIR. SEE SPEC SHEET FOR INTAKE AIR REQUIREMENTS.
 - THAT DISCHARGE AIR IS NOT RECIRCULATED.
 - OPEN SETS - GENERATOR SET MUST BE INSTALLED SUCH THAT THE GENERATOR SET IS NOT RECIRCULATED.
 - IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THE GENERATOR SET MEETS ALL APPLICABLE STANDARDS, CODES, STANDARDS, AND REGULATIONS.
 - 210 GALLON USABLE CAPACITY BASETANK STANDARD WITH GENERATOR. TANK MUST BE INSTALLED SUCH THAT THE TANK HAS BEEN DOWNDOWN AND PLUMBED BETWEEN EXHAUST AND FUEL TANK HAS BEEN DOWNDOWN TO FACILITATE PRESSURE TESTING OF THE TANK IN THE FIELD.
 - RETURN LINE PRIOR TO START UP. SEE THE FUEL TANK FIELD TESTING PROCEDURE (DETAILED) SUPPLIED IN THE TANK LOOSE WEIGHTS KIT, WHICH IS SUPPLIED IN THE TANK LOOSE WEIGHTS KIT.
 - SEE DRAWING 00390 FOR DUST REMOVAL, REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.

MECH. DATA (INCLUDES WOODEN SHIPPING SHU)
ENCLOSED GENERATOR WITH EMPTY FUEL TANK - 1700kg (3750 lbs)

DATE: 08/25/03

GENERAC POWER SYSTEMS	
Waukegan, IL 60087	
FILE NAME	0J8316A.DWG
SCALE	NTS
DWG NO.	0062910
REV	A



INSTALLATION D4.5L G17 50KW
ENCLOSED LEVEL 2A
WITH 3 FT 210 GALLON
BASETANK

COMPARISON POWER SYSTEMS WITH THE CAPACITY OF THIS DRAWING
AND EXHAUST DUCT, TANK FOR VIEW IT IS RECOMMENDED THAT
THE EXHAUST SYSTEM BE DESIGNED BY A QUALIFIED ENGINEER.

© GENERAC POWER SYSTEMS INC.

INSTALLATION DRAWING

Verizon Spill Prevention, Containment & Countermeasures (SPCC)

The most critical step in spill prevention is following and maintaining fuel storage requirements, for which Verizon standards are as follows:

Fuel Tank Specifications

- All fuel tanks are UL142 compliant/certified.
- The tanks are baffled and have a fuel gauge. The tank also conforms to local transportation requirements as it pertains to transporting fuel.
- Steel fuel tanks are rust proofed on the exterior and treated internally with an anti-corrosive oil.
- Tanks include engine supply and return fittings with dip tube on supply fitting, manual fill neck with pre-vent cap, contents gage, vent, drain, overflow, plus two extra 1" metallic NPT threaded pipe plugs.
- Tanks have an emergency (pressure relief only) vent to prevent the tank from being over-pressurized.
- Leak sensors are incorporated into the containment systems and are reportable in real time through the wireless network to the VZW Network Operations Center (NOC) 24hrs/day 365 days/year.
- Tanks have a direct reading mounted fuel level gauge - clearly visible during fueling (i.e., visible to the person filling the tank). The fuel gauge will be set to read full at 90% full.
- A name-plate is added to the tank that shows the capacity in gallons (i.e., gallons)
- Each tank system has the following fuel shut-off features:
 - An FM-approved fusible link fire operated safety shut-off valve in the fuel supply line.
 - Generator has a complete containment system (125% minimum) that prevents any liquid from leaving the equipment space.
 - Containment is capable of collecting any system fluid that may leak from generator unit, piping, appurtenances or tank. Fluids include diesel fuel, coolant and/or oil.
- Tank and secondary containment are inspected monthly. Alarms for containment and leak detection are tested semi-annually to ensure NOC receives the alarm and calls out response number within 5 minutes of receiving alarms.

Refueling Process:

Tank truck fuel delivery procedures:

- Gauge AST and check the level gauge to prevent tank overflow.
- Set parking brake and use chock blocks to prevent movement; inspect fittings and fueling hose for damage.
- Place drip pans under valve-hose fitting connections.
- Monitor the liquid level in the receiving tank during transfer to prevent tank overflow.
- If an oil spill occurs, the spill kit will be used to contain the spill. Main spill kit is located opposite the fuel dispensers at the fuel storage and transfer area.
- Do not top off tank after automatic shut-off.
- Refueling company to transfer all waste into waste oil tote: Transfer all waste oil into the tote fill port using a funnel. If an oil spill occurs, the spill kit in the shop will be used to contain the spill.

In the event secondary containment leaks oil:

Step 1: Stop the spill

VZW to call 800 number posted on every generator for spill response team to mobilize. All ignition sources are to be turned off, de-energized, removed, or disabled immediately. The leak or spill should be stopped by properly qualified and equipped personnel using approved putty, dowel rods, and or similar materials. Turn off nozzles or valves from the leaking container, if it can be done safely.

Step 2: Contain and recover the spill.

If the spill or leak cannot be stopped, emergency response team will deploy spill containment barriers, drip pans, floor barriers, and or catch basins to contain spilled liquids. Use of sorbent materials such as socks, pads, and chemical solidifiers will be used to contain any fuel not captured by deployed barriers, drip pans, and catch basins. Note that sorbents do not make petroleum nonflammable, so ignition sources are to be left off, disengaged, disabled, or de-energized.

Step 3: Collect the contaminated sorbent.

Emergency response team will collect all recovered spill material, pads, and sorbent chemicals into chemically neutral and approved collection drums for disposal per EPA requirements, along with all applicable documentation related to the recovery and disposal of the chemicals filed with local, State, and Federal authorities.

Step 4: Secure the waste.

All waste generated from the spill site, including all soils that were removed due to contamination will be transported by the emergency response team to a State and EPA qualified chemical disposal company. The emergency response company will retain copies of, and provide original documents to Verizon Wireless, of all documents, forms, reports, and incident details.