

July 17, 2018

Ms. Barbara Kooiman, CLG Contact La Crosse Historic Preservation Commission City Hall, 400 LaCrosse Street La Crosse, Wisconsin 54601

RE:

T-Mobile – A1Q0860G – LaCrosse-Ryan 318 Main Street, La Crosse, WI 54601 Lat 43° 48′ 44.4″ N, Long 91° 15′ 07.9″ W Impact7G, Inc. Project: 2015353 Phase 149

Dear Ms. Kooiman,

Impact7G, Inc. (Impact7G) is in the process of completing a compliance review for the proposed telecommunications facility referenced above. T-Mobile proposes to collocate telecommunications equipment on an existing building. Antennas will be licensed by the Federal Communications Commission (FCC).

This investigation includes determining whether "the site is located in, on, or within the viewshed of a building, site, district, structure or object, significant in American history, architecture, archaeology, engineering or culture, that is listed, or eligible for listing on the State or National Register of Historic Places, or located in or on an Indian Religious Site."

Impact7G is requesting information regarding the potential effect on any historic properties within the vicinity of the proposed project location, as noted above. Additional project information is enclosed. If you wish to comment or be considered as a consulting party, please respond within thirty (30) days of the date of this letter. If a response is not received within thirty (30) days, it will be assumed that you have no objections to this undertaking.

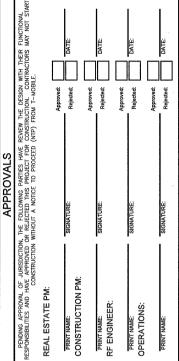
If you have any questions or require additional information, please contact me via phone at 515-473-6256 or email at msarcone@impact7g.com.

Sincerely,

Madeline Sarcone Impact7G, Inc.

Enclosure

@ Anhi



T-MOBILE PROJECT

DRAWING INDEX	REV	æ		8	8	8	8	8		В	æ	8	8				
	DESCRIPTION	TITLE SHEET		SITE PLAN	ENLARGED SITE PLAN	EQUIPMENT DETAILS	EQUIPMENT DETAILS	EQUIPMENT DETAILS		TOWER ELEVATION	ANTENNA CONFIGURATION	GENERAL NOTES	GENERAL NOTES				
	SHEET NO.	1-1		C-1	C-2	£-0	C-4	C5	-	A-1	A-2	CN-1	GN-2				

A&E SERVICES, LLC.
POWDER RIVER E NOINEERING SERVICES, LLC.
408 S. BAGLE ROAD, SUITE 200
CANAGLE, ID 883 DOCTER
CONTAGT, JASON DOCTER
POWNER 814-6573-5911
EMAIL; Jason-docter@powder/herdev.com

RACAUSTONIA RACEA DAYLLOPMENT SERVICES, LLC. 240 5th STREET EAST, SUITE 408 ST PAUL, MN 85 101 CONTACT: BLAR PANSOM PHONE 61 2255.1808 EMAIL: bidir.cnasom@powderiverdev.com

PROPERTY LOCATION

PROPERTY ADDRESS: 318 MAIN STREET LA CROSSE, WI 54601

Color

LONGITUDE: 43.812333337 LONGITUDE: -91.252205607 (PER MOST RECENT RFDS)

COORDINATES

TOWER STRUCTURAL ANALYSIS COMPLETED BY OTHERS. CONTRACTOR TO REVIEW STRUCTURAL REPORT IN ITS ENTIRETY ANY DISCREPANCIES OR DISAGREEMENTS BETWEEN THE REPORT AND THESE PLANS SHOULD BE RESOLVED PRIOR TO CONSTRUCTION.

TO OBTAIN LOCATION OF PARTICIPANTS
UNDERGROUND FACILITIES BEFORE YOU DIG IN
MINNESOTA CALL GOPHER STATE ONE CALL

TOLL FREE 1.800.252.1166 FAX A LOCATE 1.800.236.4967

TITLE SHEET

SHEET NUMBER 1-

MN STATUTE REQUIRES MIN OF 48 HOURS NOTICE BEFORE YOU EXCAVATE.

T - - Mobile *

T-MOBILE USA, INC. 8000 WEST 78TH STREET SUITE 400 EDINA, MN 55439 OFFICE: 612.701.2069



POWDER RIVER Engineering Services, LLC www.powderriverdev.com

USINESS LICENSE #:

		ů.	Ľ		11				ш.				
	۵												
	REV	m		В	В	В	В	В		В	c		
	_												
-													
	NOIL												

CONSTRUCTION **PRELIMINARY** NOT FOR

CONTACT INFORMATION

PROJECT DESCRIPTION

JURISDICTION

COUNTY:

LA CROSSE, WI 54601 WISCONSIN COUNTY CITY OF LA CROSSE

LACROSSE-RYAN 318 MAIN STREET 83'-10" BUILDING

SITE INFORMATION

T-MOBILE SITE NUMBER:

T-MOBILE SITE NAME:

SITE ADDRESS:

SITE TYPE:

OVERLAY 2018

OCATION MAP

APPLICANT:
T-MOBILE USA, INC.
8000 WEST YSTH STREET, SUITE 400
EDINA, MS 55439
OFFICE: 612.701.2069

STRUCTURE THE:

VICINITY MAP

318 MAIN STREET LA CROSSE, WI 54601 WISCONSIN COUNTY STRUCTURAL REVIEW NOTE CALL BEFORE YOU DIG

T-MOBILE SITE NAME: LACROSSE-RYAN

SITE INFORMATION: T-MOBILE SITE #:

A1Q0860G

Know what's below.
Call before you dig.

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES

— 2012 INTERNATIONAL BULLIONS CODE

— 2015 MINESOTA BULLONG CODE

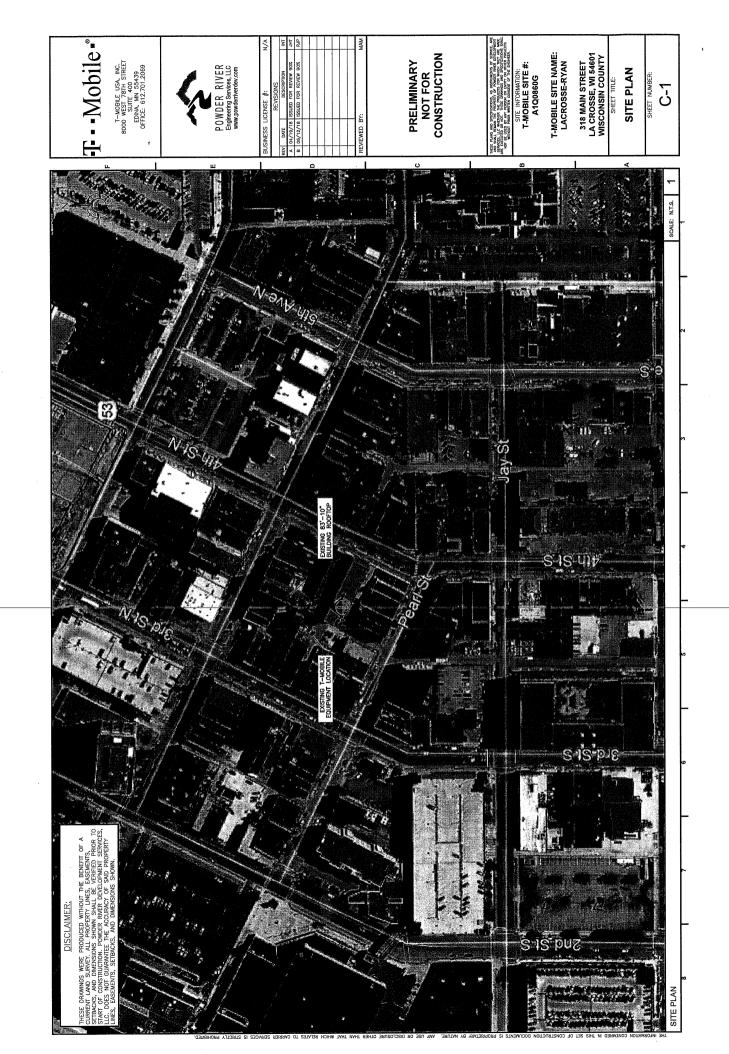
— 1015 MINESOTA BULLONG CODE

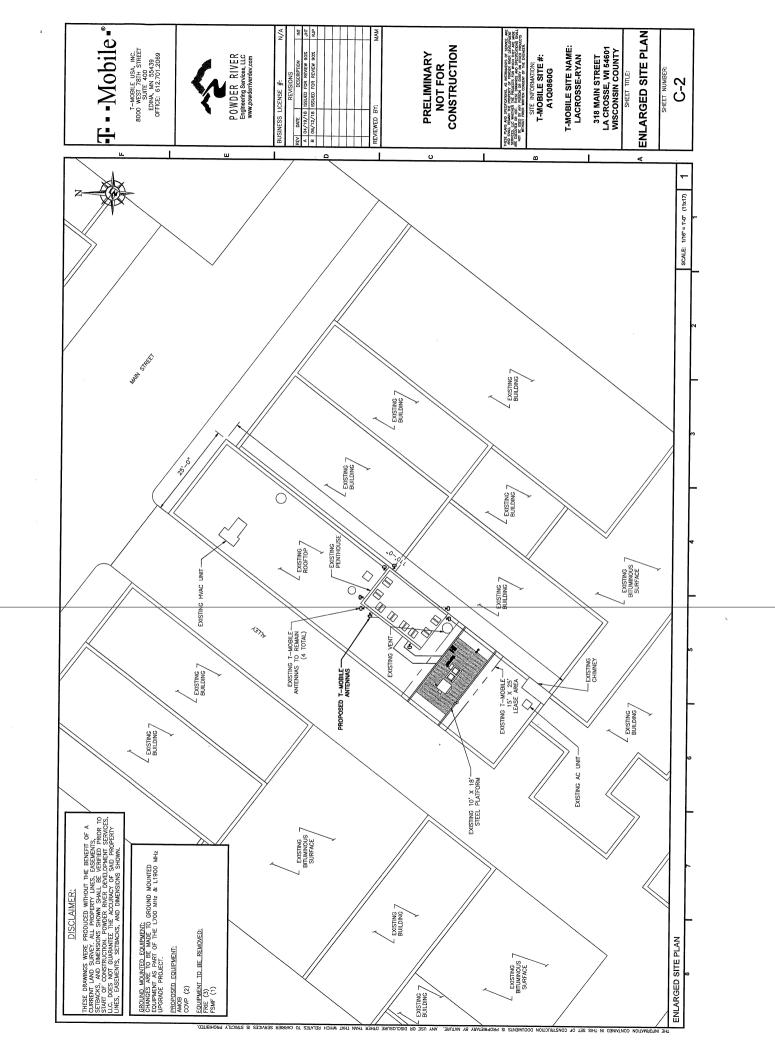
— 1017 MINESOTA BULLONG CODE

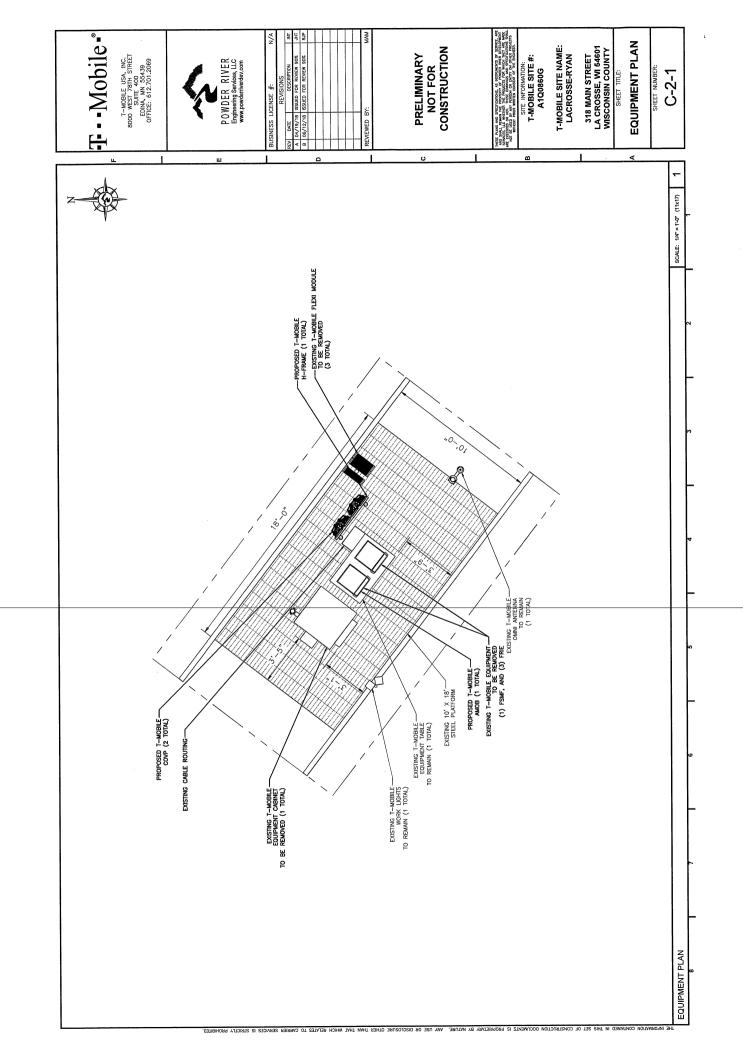
— 1017 MINESOTA BULLONG CODE SAUL PREM.

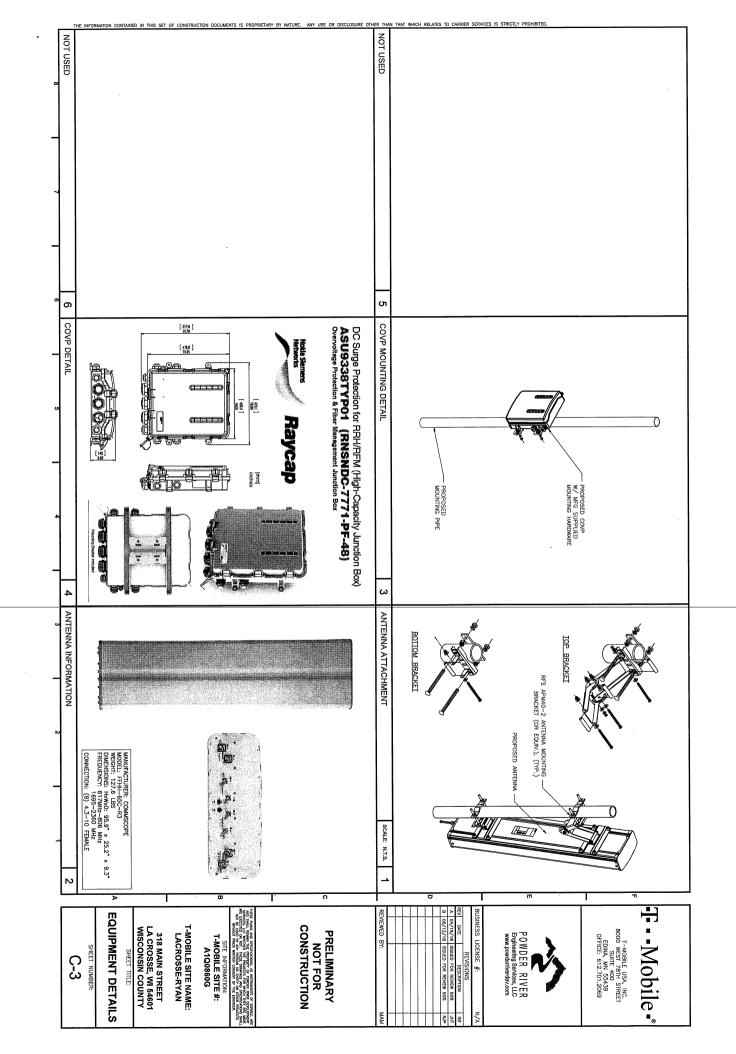
Meason MOT TO SGALBE

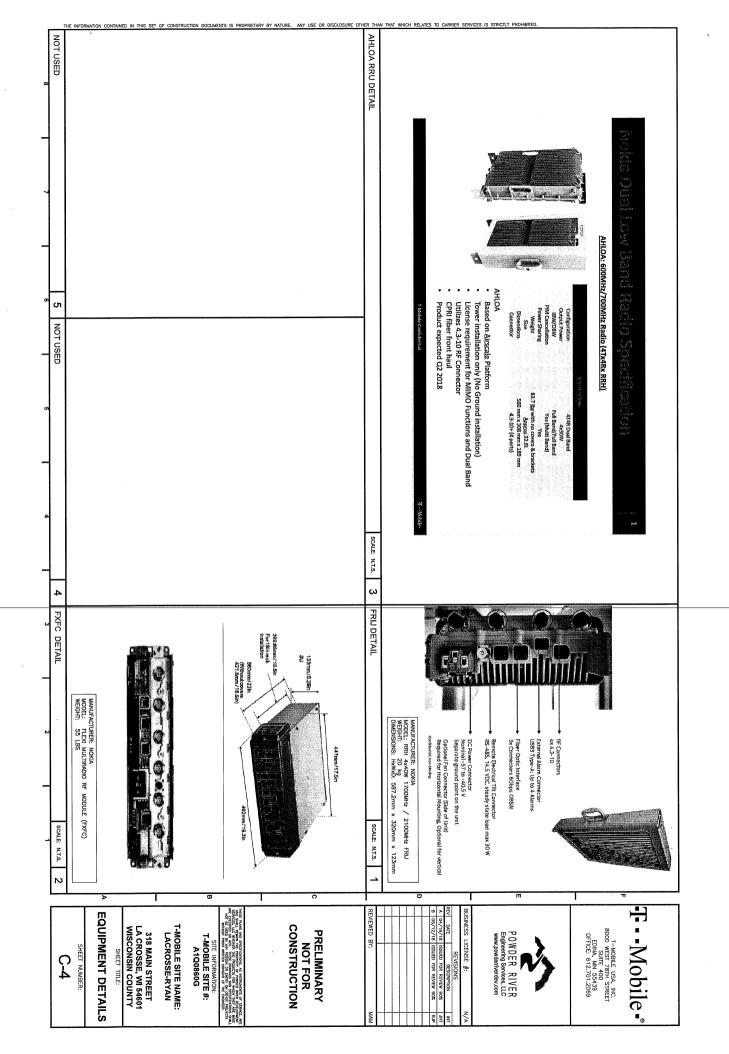
APPLICABLE CODES

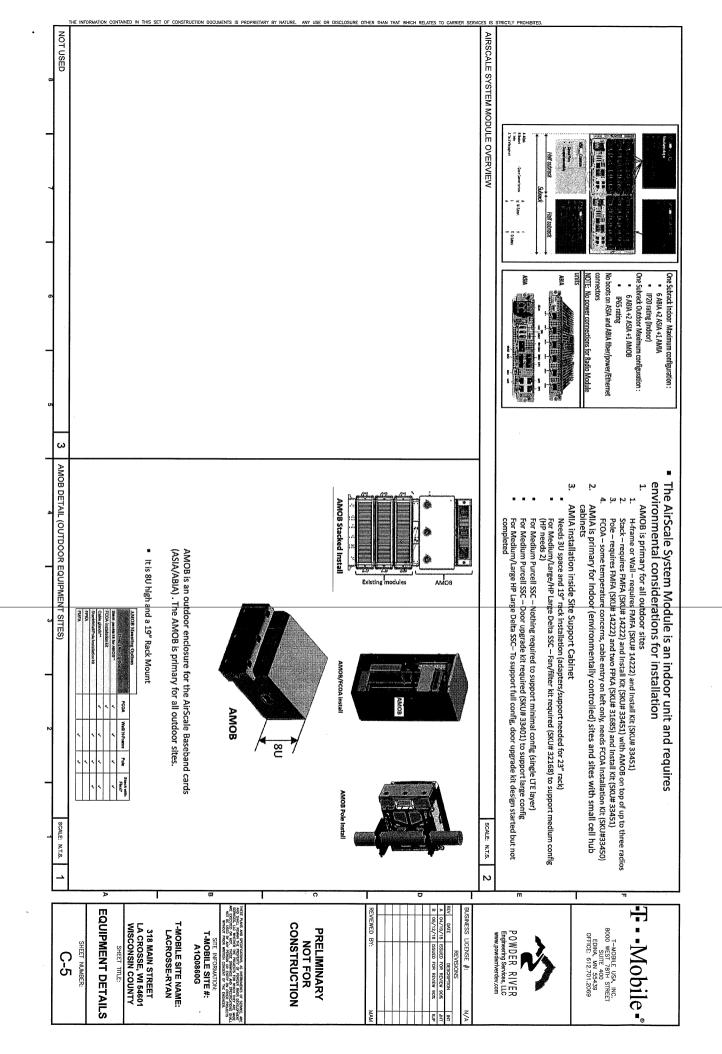


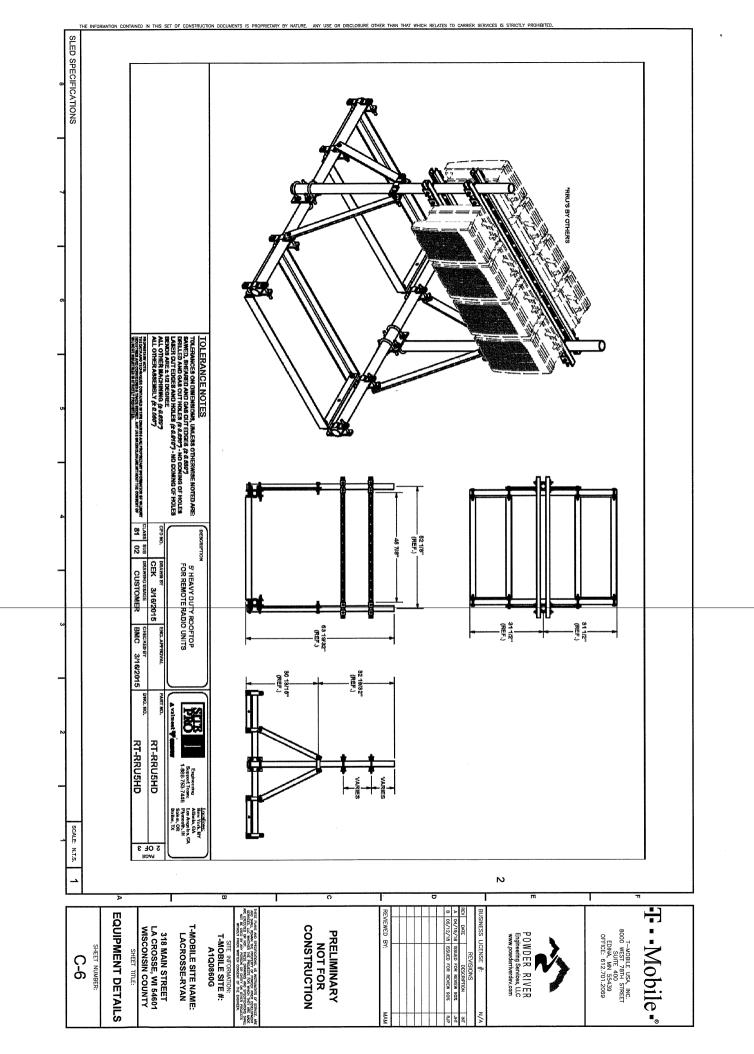


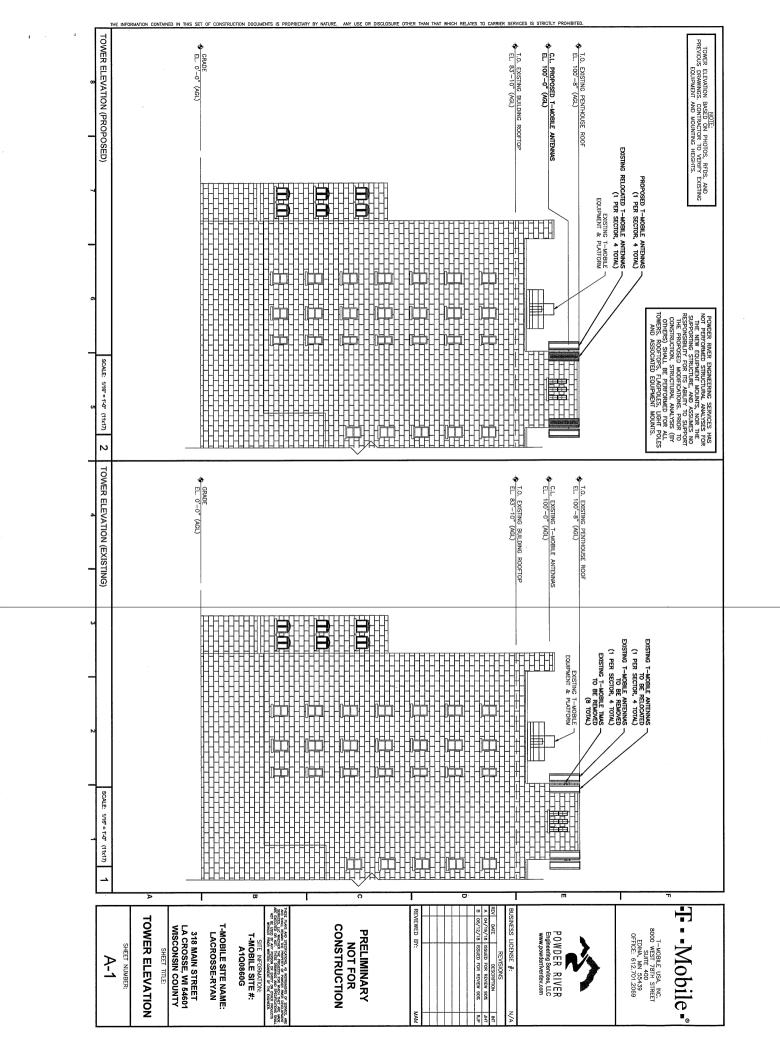


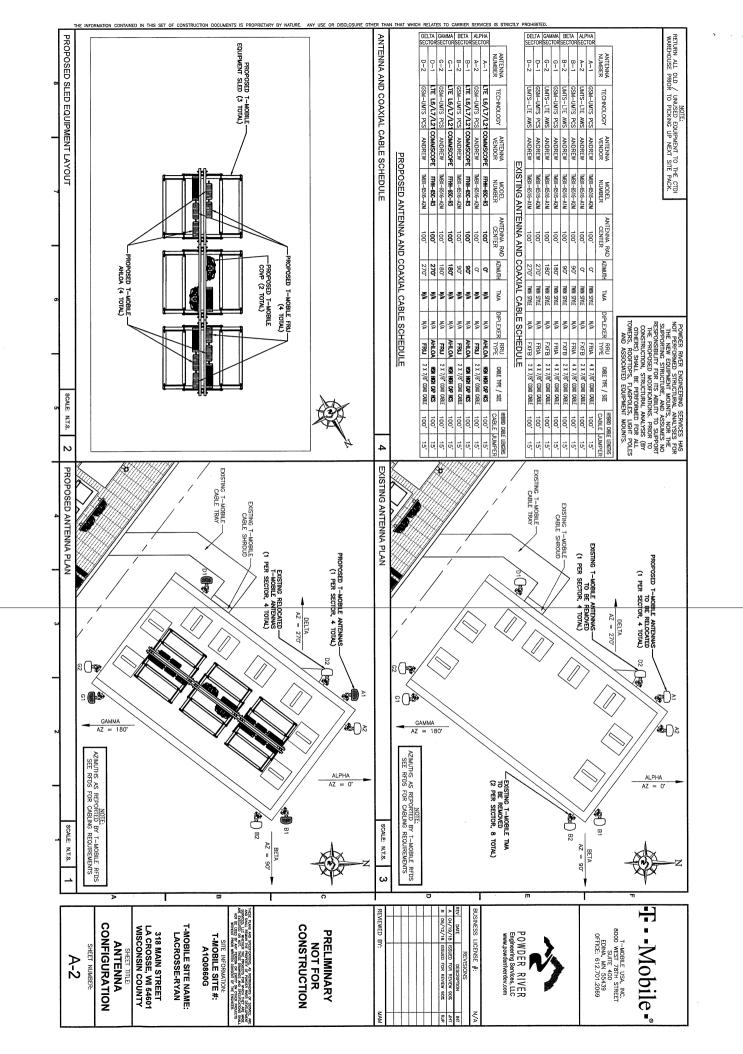












CENTRAL NOTES

CENTRA

CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.

20. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERRIED BY THE CONTRACTOR BEFORE CONSTRUCTION, IF HEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE CARRIER CONSTRUCTION WITH THE SUPERVISOR SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.

21. MAIL SYMBOLS AND ABBREVANIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTROLOR HAS OURSETIONS REGARDING THEIR EXACT MEANING, THE RUNNEER SHALL BE CONTROLOR HAS OURSETON BEFORE PROCEEDING WITH THE WORK.

22. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKICS, BYTH SHALL PROVIDE ALL NECESSARY BLOCKICS, BYTH SHALL PROVIDE ALL NECESSARY BLOCKICS, BYTH SHALL SHALL PROVIDED MECHANICAL EQUIPMENT TO BE SMAY OR LATERALLY BRACED. AND SHALL S

SUPERMITENDENT.

24. DESIGN DAWNINGS ARE DIAGRAMMATIC ONLY AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION CONDITIONS WILL FERMIT, ANY ERROR, OMISSION, OR DESIGN DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE CARRIER CONSTRUCTION. SUPERMISOR FOR CLARFICATION OR CORRECTION BEFORE CONSTRUCTION.

20. SILVAL REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FOR 25. AS—BUILT REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FROM DETERIORATION AND CONSTRUCTION PURPOSES: PROTECT RECORD DOCUMENTS FROM DETERIORATION AND COSS IN A SECURE, TRRE-RESISTANT LOCATION, PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE CAPRIES CONSTRUCTION SUPERVISOR'S RETERIANCE DURING MORRAM WARRANG HOURS AND MANTAIN A CLEAN, UNMARKADED SET OF BILLE OR BLACK INFORMATION FOR ANY AND SET OF BILLE OR BLACK INFORMATION FOR ANY AND SET OF BILLE OR BLACK INFORMATION FOR ANY AND SET OF BILLE OR BLACK INFORMATION FOR ANY AND SET OF BILLE OR BLACK INFORMATION FOR ANY AND SET OF BILLE OR SET OR SET OR SET OF BILLE OR SET OR SET

DOCUMENTS TO THE CARRIER CONSTRUCTION SUPERVISOR FOR THE OWNER'S RECORDS.

A CLOSEOUT BOOK CONTAINING THE FOLLOWING, SHALL BE PROVIDED BY THE CONTRACTOR, AS PAPILOABLE.

A.AS BUILT DESIGN DRAWINGS
B. WHEEP TEST RESULTS.

C.RESISTIVELY TEST.

DIFFOTO DOCUMENTATION OF:

I. UNDERGROUND CONDUITS AND GROUND RING:

II. ANTENNA, COAX, JUMPER ATTACHMENTS AND GROUND KIT ATTACHMENTS

III. ANTENNA DOWN TILL MEXSUREMENT USING AN INCLINOMETER ON THE BACK
PLANE OF THE ANTENNA

V. GROUND BAR ATTACHMENTS

E. SIGNED OFF PERMIT CAADS

E. SIGNED OFF PERMIT CAADS

E. FLERTIFICATE OF OCCUPANCY

GRETUEN OF KOSS, AND/OR ACCESS AUTHORIZATION

H.ORIGINAL BULDING PERMIT

SITE WORK NOTES

1.SCOPE: CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUB
GRADE REPEARTION, INISH GRADING AND SECURITY FENCE, AS REQUIRED BY
CONSTRUCTION DRAWINGS AND DETAIL DRAWINGS.

2.REFERENCES:
A DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS
FOR THE STATE IN WHICH THE PROLECT IS LOCATED.
B.ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
C.OSHA (COCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
D.AGSHTO (MERICAN ASSOCIATION OF STATE TRANSPORTATION OFFICIALS)
3.NEPECTION AND TESTING.

.FELD TESTING OF EARTHWORK, AGGREGATE BASE COURSE, COMPATION AND CONCRETE TESTING SHALL BE PERFORMED BY THE CONTRACTOR'S INDEPENDENT TESTING LAB.

BALL WORK SHALL BE INSPECTED AND RELEASED BY THE CARRIER CONSTRUCTION SUPERMOSON WHO SHALL CARRY OUT THE CENTERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROFEE PERFORMANCE OF THE WORK NO SPECIFIED AND/OR CALLED FOR ON THE DRAWMOS. IT IS THE CONTRACTOR'S SPECIFIED AND/OR CALLED FOR ON THE DRAWMOS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST MELLY MOSPECTIONS PROFE TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF THE WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

4.STE MANTEWAKE: AND PROTECTION:

A PROVIDE ALL RECESSARY JOB SITE MANTEMANCE FROM COMMENCEMENT OF THE APPROVIDE ALL RECESSARY JOB SITE MANTEMANCE FROM COMMENCEMENT OF THE CONTRACT FROM TO ANY EXCANATING BOOMMACT THE ONE-CALL MILITY LOCATION SERVICE PRIOR TO ANY EXCANATING ACMINISTS TO HAVE LOCATIONS OF MUDEROSOLON UITLIES VERHEID. FREES AND SHEEDS TO HAVE MUDEROSOLON UITLIES VERHEID, STRUCTURES, TREES AND SHEEDS DESANATED TO REMAIN THE FROM EASINES TO PRECEDIT AND SHEEDS HAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORKS THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORKS THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORKS THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORKS THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORKS THE LEPONDE ALL PROSON AND SEDIMENTATION CONTROL MESSURES NO REQUIRED BY LOCAL, CITY, COUNTY AND STRIFE CODES AND TO PREVENT

SECURITY FENCE NOTES

1. PROMDE AND INSTALL THE CALVANIZED FENCE WITH ASSOCIATED POSTS, RAILS, BRACES, FABRIC, TERMINAL POST, CATES, DROP BAR AND BARBED WIRE. USE APPLICABLE PROVISIONS OF ASTIM FOR MATERIALS.

2. FABRIC SHALL BE HEAVY GALVANIZED CHAIN LINK FENCE, CONFORMING TO ASTIM ASSOCIATED 2—HIGH MESTER 9 GALDE WIRE (0.148 INCHES IN DIAMETER) WITH THE TOP AND BOTTOM SELVAGES TWISTED AND BARBED.

ALINE POST FOR FABRIC UP TO 8 FEET HIGH SHALL BE 2-3/8 NOH O.D.
BEND CORNER, PULL POST AND GATE POST SHALL BE 2-7/8 NOH O.D. ALL
POSTS SHALL BE SCHEDULE 40 CHANNIZED STEEL PRE IM ACCORDANCE WITH
ALL APPLICABLE ASIAN STANDARDS FOR FERVES OVER 8 FEET HIGH, SIZE POST
ACCORDANG TO AMMUPACTURER'S RECOMMENDATIONS.

REVIEWED BY:

4.10P PAULS SHALL COMPORM TO 1-1/4 NCH (1.66-NCH O.D.), SCHEDULE 40 GALVANIZED STEEL PIPE IN ACCORDANCE WITH ASTIMA 412D.

5.TENSION WITE SHALL BE 7-QAUGE LUS. STEEL WITE GALVANIZED IN ACCORDANCE WITH ASTIM A116, CONTING CLASS III.

WITH ASTIM A116, CONTING CLASS III.

6.BRACE BANDS, TENSION BANDS AND TENSION BARS SHALL BE FARRICATED OF 1/8 INCH BY 7/8 INCH GALVANIZED STEEL WITH GALVANIZED STEEL CARRIAGE BOTSS AND NUTS IN ACCORDANCE WITH ASTIM A123. TENSION BANGS SHALL BE 1/4 INCH SHALL BE CLASS I GALVANIZED STEEL BAR IN ACCORDANCE WITH ASTIM A133.

FARBIC TIES SHALL BE CLASS I GALVANIZED STEEL WITH GALVANIZED STEEL WITH GALVANIZED STEEL WITH GALVANIZED STEEL WITH ASTIM A134.

BARBED WINGS EXILL BE PRESSED STEEL OR MALEABLE IRRON AND SHALL BE CALVANIZED STEEL WITH GALVANIZED STEEL

SAMPLE WIRE SHALL CONSIST OF DOUBLE STRANDED 12-1/2 GAUGE WIRE ASTM A121, CLASS 3 WITH 4-POINT BARES SPACED 5 (NCHES APART: HET DP 1 FOOT OF THE FINCE SHALL CONSIST OF 3 STRANDS OF BARED WIRE ATTACHED TO OF THE FINCE SHALL CONSIST OF 3 STRANDS OF BARED WIRE ATTACHED TO OF THE FINCE SHALL CONSIST OF 3 STRANDS OF BARED WIRE STANDED TO OF THE MAN. TO CHARLER 250 POUNDS DOWNWARD PULL AT THE OUTERMOST CHO OF THE MAN. TO CHARLER CONSISTER WITH FENCE MATERIALS.

10, METERIALS SUCH AS FABRIC, BOLTS, NUTS, TRESSON BARE AND BARED WIRE AS DEALED OF THE MAN. TO CHARLER CONSISTER WITH FENCE MATERIALS.

10, METERIALS CONSISTER WITH FENCE MATERIALS BLOW THE TOP OF THE FINCE SHALL SHALL REVIEW FOR FABRIC, DRIEDED TO SHALL REVIEW FOR FABRIC ON BARED WIRE AS DIRECTED BY THE CARREST CONSISTENCY ON SAFET OF PLANDE SHALL BARE TO SHALL SHALL THE SHALL SHAL

T - • Mobile

ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDMENT BARRIERS AND CHECK DAY.

F. FRONDE AND MAINTAIN ALL TEMPORARY FENCING, DARRICADES, WARNING SIGNALS AND SIMLAR DEVICES NECESSARY TO PROTECT LIFE AND PROPERTY DURING THE ENTIRE PERDOD OF CONSTRUCTION, REMOVE ALL SUCH DEVICES DURING THE ENTIRE PERDOD OF CONSTRUCTION, REMOVE ALL SUCH DEVICES SUPPON COMPLETION OF THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONTROL MESORIES, THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONTROL NO THE CONTROL TO STABLISH AND MAINTAIN ALL SURFER LAVOURT, STAKING AND MARKING TO ESTABLISH AND MAINTAIN ALL LINES, CROSES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.

T-MOBILE USA, INC.
8000 WEST 78TH STREET
8001 SUITE 400
EDINA, MN 554.39
OFFICE: 612.701.2069

B.CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE AND ONLY THE MIMEDIATE SURROUNDINGS NECESSARY TO COMPLETE THE WORK, REMOVE TREES, BRUSH, STIMES, RUBBISH AND OTHER DEBAYS AND VEED/TAION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED AND GRUBBED.

9-REJONE: FROM THE SITE AND DISPOSE IN AN ANTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING DEFENTIONS. BURNING IS NOT PRIMITED.

10. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND JOR TRENCHED TO VERBY THE LOCATIONS OF FEATURES INDICATED ON THE BANDLOSE AND ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, CULVERT, STREAM CROSSING OR OTHER TIEM NOT SHOWN THAT MIGHT AFFECT OR INTERFEE WITH THE LICY CONSTRUCTION, NOTIFY SHOWN THAT MIGHT AFFECT OR INTERFEE WITH THE LICY CONSTRUCTION OF THE MILL STRUCTURE OF THE MARK AS INDICATED ON THE DRAWNASS.

1. SEPARATE AND STOCKHE ALL EXCAVATED MATERIALS SUFFACES OF IN AN AMERICA DESIGNATOR BY THE CARRIER CONSTRUCTION SUPERMOSE, (INSUTINBLE MATERIAL SWAY BE REQUIRED TO BE READONED FORM THE SITE.)

POWDER RIVER Engineering Services, LLC www.powderriverdev.com

SINESS LICENSE #: ISSUED FOR REVIEW 90%

CONSTRUCTION PRELIMINARY NOT FOR

HOSE PLAS AND SPECIFICATIONS, AS INSTITULIBITS OF STATES, AND AND SPECIFICATIONS, AS INSTITULIBITS OF STATES DEFICIENT AND SHALL EXEMPT HE PROJECTS FOR WHICH INFO HER MADE AND EXCEPTION AND SHAPE PROJECTS AND SPECIAL RESIDENCE AND SPECIAL RESIDENCE PROJECTS WHICH INFO WERE WERE WESTERN OF HER DESCRIPT, AND SERVICE WERE WESTERN AND SERVICE WERE WERE AND SERVICE WERE WERE WERE WERE WERE AND SERVI

SITE INFORMATION:
T-MOBILE SITE #:
A1Q0860G

r-MOBILE SITE NAME: LACROSSE-RYAN

318 MAIN STREET LA CROSSE, WI 54601 WISCONSIN COUNTY

GENERAL NOTES SPECIFICATIONS

GN-1

WORK SPECIFICATIONS. THE REQUIRED DEPTH AS SHOWN ON THE DRAWNISS. THE THOO THE PROCESS OF MIPS. REMOVEL IN THE BOTTOM BEFORE CONDUIT SO THE WITHOUT PROCESS OF MIPS. REMOVEL IN THE BOTTOM BEFORE CONDUIT SO THE BOTTOM OF THE BOTTOM DEPTH OF THE PROCESS ON THE PROCESS OF THE SOURCE OF THE SOURCE OF THE PROCESS OF THE SOURCE OF ELECTRICAL NOTES 1. THESE NOTES DESCRIBE THE MINIMUM REQUIREMENT FOR INSTALLATION OF ALL ELECTRICAL SYSTEMS. SUBMITIAL OF BID INDICATES THAT THE CONTRACTOR IS DOOMENT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THAT CONTRACTOR. TOWNSON LETE BEOW FOR JART OF THESE NOTES, EACH PUBLICATION THE PUBLICATION STATE DESCRIPTION AND ADDEDIMENT EFFECT ON THE DETERMINE THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION, UNLESS NOTED OF HEREWISE, EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREM, OR THE DETAILS OF THE PROVISIONS OF THE SECURISIONS. A MAIS (MERCICAN MATORIAL STRANDARS INSTITUTE) B. REEE (INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS) C. NEC (MINTOWAL ELECTRICAL CADE), LATEST EDTION D. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION) E. SIFPA TO (NATIONAL FIRE PROTECTION ASSOCIATION) F. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), INCLUDING ALL APPLICABLE MENDMENTS) A ALL INDERFRENDING CONDUIT SHALL BE SCHEDULE 40 PVC , SIZED AS SHOWN AND THE CONSTRUCTION DEPARMINES. B. ALL EVIERDRY ABONEGROUND CONDUIT SHALL BE PER LOCAL CODE REQUIREDLEND, ABONEGROUND CONDUIT SHALL BE LET WITH COMPRESSION—TYPE FITTINGS. D. LOUID-THE FLYBEL FAULUS CONDUIT SHALL BE TOOD FOR OUTDOOR D. LOCATIONS WHERE FLEXIBLE MOUNECTION IS REQUIRED. SED FOR OUTDOOR SCHEDIS CONDUCTIONS FOR GOMEDAL WIRKING SHALL BE NEC STANDARD ANNEALED COPPER WIRK: WITH MCC SON—TOLT INSULATION. G. U. (INDERWRIESE LABORATORES) H. APPLICABLE LOCAL CODES AND ORDINANCES THE CONITACTOR SHALL INSTALL UNDERGROUND ELECTRICAL AND TELEPHONE CONDUTS AND CABLE AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWNOSS. 4. WHEN FINISHED, MORKE SHALL BE IN A COMPLETE AND UNDAMAGED STATE, AS REQUIRED IN THE CONTRACT DOCUMENTS. SITEMS SHALL BE NEW AND SHALL BE INSTALLED ONLY IF IN FIRST-CLASS CONDITION. 6. SUBSTITUTIONS FOR MATERAL WILL BE PERMITED ONLY BY WRITTEN APPROVAL OF THE CARRIER CONSTRUCTION SUPERVISOR AND BY THE ENGINEER. T.THE CONTRACTOR SHALL PROVIDE ALL MATERAL EXCEPT AS SPECIFIED IN THE CONTRACT DOCUMENTS, ALL MATERAL SHALL BE APPROVED AND USITED BY OR BEAR THE IUL LABEL, AND WILL COMPLY WITH ANSI, IEEE AND NEMA STANDARDS WHERE APPLICABLE. 13. USE ENTRINE CAUTION BEFORE EXCAVATING IN EXISTING AREAS TO LOCATE EXISTING UNDERGROUND SERVICES. 14. A VISUAL CHECK OF ELECTRICAL AND TELEPHONE CABLES, CONDUITS AND OTHER TIEMS SHALL BE MADE BY A CARRIER CONSTRUCTION SUPERVISOR BEFORE THESE TIEMS ARE PERAMERITLY INSTALLED. 15. THE CONTRACTOR SHALL NOTIFY THE CARRIER CONSTRUCTION SUPERVISOR 24 HOURS PROR TO TRENCH BACK FILL. 16. TRENCHING, BACK FILLNE, BEDDING AND COMPACTING SHALL COMPLY WITH SITE WORK SPECIFICATIONS. D. CONDUCTORS IN CONDUITS ABOVE ROOF, ON TOP OF ROOF OR INSIDE BUILT-UP ROOFING MATERIAL SHALL BE TYPE XHHW 10. CONNECINACIE OUTLET, UNIESS NOTED OTHERWISE, SURFACE-MOUNTED OUTLETS FOR EXTERIOR, COATIONS SHALL BE FERALOY, CAD/ZING ELECTROPLATED WITH THREADED HUES OR CONDUIT ENTRANCES DHALLED AND TAPPED ALL COMERS SHALL BE SELF-CLOSING AND CASHETED. SURFACE MOUNTED OUTLETS FOR INTERIOR LOCATIONS SHALL BE CALL/MANZED, PRESSED STEEL WITH COMER PLATE, SIERRA PLASTIC STYLE, MORY COLOR. 1. COAXM, CABLE SUPPORTS 1, ALL WAYE QUIDE SUPPORTS SAML BE MANUFACTURED 10 MEET ALL COAX MINIMUM REDUNG REQUIREMENTS. SUPPORTS SAML BE PROVIDED EXERY 3"-O" ON CENTER ENDING REQUIREMENTS. SUPPORTS SAML BE PROVIDED EXERY 3"-O" ON CENTER ENDING REQUIREMENTS. **EXECUTE HONO. OUT WORK. EXERCISE PROPER PRECAUTION TO VERIFY EACH \$1.000. A. #8 AND LARGER-STRANDED TYPE, THHN OR THWN. B. #10 AND SMALLER-SOLD TYPE THHN OR THWN. C. CONDUCTORS IN CONDUIT IN OR ADJACENT TO HIGH HEAT SOURCE SHALL BE THE XHHW. JREFERENCES. THE PUBLICATIONS LISTED BELOW FORM PART OF THESE BRAWNINGS. JREFERENCES. THE PUBLICATIONS LISTED BELOW FORM PART OF THESE BRAWNINGS. JREFERENCES. THE PUBLICATION SHAWLES AND STREET ON THE PUBLICATION SHAWLES AND THE PUBLICATION SHAWLES. MOTHER THE EXEMPT AN ANORED BY THE REQUIREMENTS SPECIFIED. HEREIN, OR THE DEFAMINGS WORK INCLUDED IN THESE DRAWNINGS SHALL CONFORM TO THE APPLICATE PROVISIONS OF THESE PUBLICATIONS. A ANSI (AMERICAN NATIONAL STANDARDS NOTTHEFE PUBLICATIONS. A ANSI (AMERICAN NATIONAL STANDARDS NOTTHEFE PUBLICATIONS) B. REEE (INSTITUTE OF ELECTRICAL CORD.) LATEST EDITION D. NEMA (NATIONAL ELECTRICAL MANUFACTIRERS ASSOCIATION) E. NESSO (NATIONAL SEETLY AND HEALTH ADMINISTRATION) E. NESSO (NATIONAL SEETLY AND HEALTH ADMINISTRATION) G. LU (UNDEPRIFITERS' LABORATORIES) H. APPLICABLE LOAD. CODES AND ORDINANCE AND PROTOCH AND ADMINISTRATION OF THE ADMINISTRAT GROUNDING NOTES III. GROUND FODS AND QUANTITY SHOWN ON THE DRAWNIGS ARE DAGRAMANTC. III. GROUND FODS AND QUANTITY SHOWN ON THE DRAWNIGS FOLDERING THE CONTROLTOR SHALL PRETCHAL A GROUND-RESISTANCE TO-EXEMPH TEST. SHOULD THE WISHLAND FOR A SHOULD FEED AND THE CONTROLTOR SHALL MISH THE AREA SHOULD FEED AS RECESSARY MISHLAND FOR THE AREA SHOULD FEED AS THE AND THE CONTROLTOR SHALL MISHLAND FOR GROUND FOR SHALL BE LESS THAN 5 OHM THE THE CONTROLTOR SHALL BE LESS THAN 5 OHM THE CONTROLTOR SHALL BE LEST FOR AND IN ACCORPANCE WITH A RECOGNIZED MODISTRY PARTICISET OF ESURE THAT PRODUCTS COMPLY WITH RECURRENTS. IN CORPAINTE WITH OTHER ELECTROPAL WORK AS NECESSARY TO INTERFACE MONITOR OF THE PRODUCTS CONTROLTORS AND THE PRODUCTS OF THE PRODUCT SHALL BE AN EXAMPLED AND CONNECTORS AND FOR THE PRODUCT SHALL BE AN EXAMPLED AND CONNECTORS AND FOR THE PRODUCT SHALL BE AT LEST Z4 INCHES MAY FROM PERCURRETS INCLUDING SCREWS AND BOUTS, WHERE MAURIFACTURER'S TOROUGH RECURRENTS ARE NOT DEFINED THE PRODUCT SHALL SHOULD AND SHALL BE AT LEST AND EFFECTIVE GROUND AND SHALL SHOULD SHALL SHALL SHOULD SHALL SHOULD SHALL SHOULD SHALL SHOULD SHALL SH THIS SPECIFICATION PRESCRIBES THE RECURENTINS FOR FURNISHING, INSTALLATION LAW INSTINCT OF THE GROUNDING CABLE CONNECTORS AND ASSOCIATED COMPONENTS AS INDUCATED ON THE DEWININGS. 2.APPLICATIONS OF ELECTRICAL GROUNDING AND BONDING WORK SPECIFIED IN THIS SPECIFICATION INCLUDE THE FOLLOWING: A. FENCE AND CARE POSTS B. ELECTRICAL POWER SYSTEMS C. GROUNDING ELECTRODES C. GROUNDING ELECTRODES D. GROUNDING ELECT A GROUNDING: I. THE EQUIPMENT SHALL BE GROUNDED AS FOLLOWS, AS SHOWN ON THE DRAWINGS AND IN COMPLANCE WITH NEC ARTICLE 250 AND STATE AND LOCAL CODES. B. GROUND RODS II. GROUND ROD(S) SHALL BE LOCATED AT THE PERMITER OF EQUIPMENT AS TO CREATE A GROUND RING AS SHOWN ON THE DRAWNIGS. III. GROUND ROD(S) SHALL BE SPACED AT A MINIMUM OF 8"-0" AND A MAXIMUM SPACING OF 10"-0" ON CENTER. I. GROUND RODS SHALL BE 5/8" DIAMETER WITH 8'-0" EMBEDMENT MINCOPPER CLAD DRIVEN ROD(S). IN. GROUND RODS SHALL BE BURIED BELOW THE FROSTLINE, AT NO TIME SHALL THIS DEPTH BE LESS THAM 18" BELOW FINISHED GROVE. V. GROUND RODS WHICH CANNOT BE DRIVEN STRAWGHT DOWN THE ENTIRE 10"-O", SHALL BE DRIVEN AT AN ANGLE NOT GREATER THAM 45 DEGREES (NEC 250-283 AND 250-84). VI. GROUND ROD LOCATIONS SHALL BE NOTED ON THE AS-BUILT DRAWING ≦ MONOPOLE / LATTICE TOWER ICE BRIDGE ON EXISTING LATTICE TOWERS, WATER TOWERS AND ROOF TOPS, WHEN A NEW GROUNDING SYSTEM IS INSTALLED, THE CONTRACTOR SHALL THE THE NEW GROUND SYSTEM TO THE EXISTING WATER TOWER, LATTICE TOWER STRUCTURAL STEEL OR BUILDING STRUCTURAL STEEL AS THE CASE MAY BE AT A MINIMUM OF ONE LOCATION SO THAT THEY ARE AT THE SAME VOLTAGE POTENTIAL. ALL TOWER AND TOP GROUND WIRES SHALL BE SUPPORTED EVERY TWO FEET MAXIMUM. DESTROYED, OR ARE SUBJECTED TO CORROSIVE AND/OR OXIDATION PROCESS. A THE CONTRACTOR SHALL TEST THE GROUND ELECTRODE ROD RESISTANCE IN ACCORDANCE WITH THE METHODS OF MEASUREMENT DEFINED IN THE FALL OF POTENTIAL METHOD. B. TEST INSTRUMENTS SHALL OPERATE AT A FREQUENCY OTHER THAN 60 HERTZ AND SHALL COMMAN STRAY CURRENT AND DE FLUTENS, FAULT CURRENT AND DEFENDE A FLUTENS FAULT CHRENT. PROTECTION AND HAVE EXISTIMITY TO DEFENDE A FLUTENS FAULT CHRENT. PROTECTION AND HAVE EXISTIMITY TO DEFENDE COMPUTED FROM SHE AROUND, ROD, WEAR HIGH VOLTAGE RUBBER SAFTY GLOVES. MEAN HIGH VOLTAGE RUBBER SAFTY GLOVES. INVOLVED. COMPLETE WITH DIRECTIONS. WILL PROVIDE GROUND TEST WELLS SHOWN ON THE CONSTRUCTION DRAWINGS. C. GROUND CONDUCTOR: I. ALL. DIRECT BURIED GROUND CONDUCTORS SHALL BE TINNED SOLID (#2 ANG) WRIE. BURIED GROUND CONDUCTORS SHALL BE MADE LISING EXCHAIND CONNECTIONS SHALL BE MADE LISING EXCHAIND BY CONSETTIONS SHALL BE AND PROTEST. THE ANGE MADE PROTEST BY CONNECTIONS SHALL BE AND PROTEST AND CONDUCTORS SHALL BE INSTALLED MOTHER OF SHOUND STORES. ONNOUTIONS SHALL FOLLOW A COMMUNICE DRAWNING THE MADE THAN AND DIRECTIONAL SHALL FOLLOW A CONTINUOUS DOWNWARD PAITERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SHALL FOLLOW A CONTINUOUS DOWNWARD PAITERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SHALL FOLLOW A CONTINUOUS DOWNWARD PAITERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SHALL FOLLOW A CONTINUOUS DOWNWARD PAITERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SHALL FOLLOW A CONTINUOUS DOWNWARD PAITERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SHALL FOLLOW A CONTINUOUS DOWNWARD PAITERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SERVING FOR SOURCE CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN AN UPWAND DIRECTIONAL SOURCE (NEVER RUN GROUND CONDUCTOR IN A A ALL SUBFACES TO WHICH GROUND CONNECTIONS WILL BE MADE SHALL BE FREE OF PANT, GALVANIZING DIRECT CORRODON, ETC. B ALL METAL SUBFACES SPOSED ON GROUNDING SHALL BE EITHER COLD GALVANIZE, OR PANTED TO MATCH ORIGINAL SUBFACE. 6.EXAMINE AREAS AND CONDITIONS UNDER WHICH ELECTRICAL GROUNDING AND BONDING CONNECTIONS ARE TO BE MADE AND NOTIFY CARRIER CONSTRUCTION SUPERVISOR AND ENQUINEED OF RECORD IN WEITING OF CONDITIONS DETERMENTAL. TO PROPER COMPLETION OF WORK, DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. HITH CONTRACTOR SHALL NOTIFY THE CARRIER CONSTRUCTION SUPERVISOR A MINIMUM OF 24 HOURS PROR TO TRENCH BACK CHILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO PRISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK COME BELOW PINISHED GRADE SHALL BE TO STRENCH BOCK FILL ALL WORK FILL BE TO STRENCH BOCK FILL ALL WORK FILL BE TO STRENCH BOCK FILL BE TO STRENCH B V, WHEN THE MINIMUM ERODING RADIUS CANNOT BE ACHIEVED, GROUND V, CABLES SHALL BE ROUTED AT 90-DEGREE BRONS WITH THE USE OF EXOTHERMIC CONNECTIONS AT 90 DEGREES, WITH THE INTENT IS TO ELIMINATE THE CABLE BEND RADIUS AND REPLACE THE RADIUS WITH EXOTHERMIC CONNECTION. AN NODPRINDENT, APPROVED OUTSIDE FIRM SHALL PERFORM THE GROUND TEST AS OUTLINED, ALL TEST RESULTS SHALL BE FORWARDED TO THE CARRIER CONSTRUCTION SUPERVISOR FOR APPROVAL.

BUSINESS LICENSE #:

ISSUED FOR REVIEW 90%

POWDER RIVER Engineering Services, LLC www.powderriverdev.com

GENERAL NOTES

LA CROSSE, WI 54601 WISCONSIN COUNTY

318 MAIN STREET

T-MOBILE SITE NAME:

T-MOBILE SITE #: A1Q0860G

LACROSSE-RYAN

EDAN, THE PROPERTY OF POWERS WHEN DOUGLODWING C WHETHER THE PROJECTS FOR WHICH THEY ARE WAS D OR NOT. THESE DINAMASS AND SPECIFICATIONS SHALL SEED BY ANY PERSON OR ENTITY ON OTHER PROJECTS OUT PROCE WHETHEN CONSOTT OF THE SHARKET. CONSTRUCTION

PRELIMINARY

NOT FOR

SPECIFICATIONS

GN-2

T··Mobile

T-MOBILE USA, INC. 8000 WEST 78TH STREET SUITE 400 EDINA, MN 55439 OFFICE: 612.701.2069