

Site Plan Administrative Approval

Project Number: DR2012-06

Site Plan Name: Westinghouse (Western Z) Communication Tower/Mono Pole

Date Submitted: April 23, 2012

Land Serial Number: 10-039-0004

Approximate Address: 10000 West 900 South

Planning Division Staff Review: Scott Mendoza

Background

Westinghouse Electric Company (Western Zirconium), on behalf of Centurylink™, is requesting approval of a one hundred (100) foot tall communication tower intended to provide internet service. The tower will be constructed on Westinghouse property (10000 West and 900 South); however, it is better described as being located within the SE ¼ of the NW ¼ of Section 18, Township 6 North, and Range 3 West. It will lie within the Manufacturing-3 (M-3) Zone which lists a communication or transmitting tower as a permitted use. The parcel on which the structure will be constructed consists of approximately 1152 acres, covering land located in portions of Sections 7, 8, 17, and 18. See Exhibit A for location map.

As stated above the communication tower, according to the application, will stand one hundred (100) feet tall and will be constructed of galvanized tubular steel, assembled in three sections. Section A (ground section) is 24 inches in diameter and measures forty (40) feet in length. Section B (middle section) is 18 inches in diameter and measures forty (40) feet in length. Section C (top section) is 12.75 inches in diameter and measures twenty (20) feet in length. See Exhibit B for tower details. It will be supported by a large underground footing and a 4.5 foot diameter concrete pier with six inches remaining exposed above ground. See Exhibit C for footing and foundation details.

A six (6) foot solid dish will be installed at the top of the tower along with a safety climbing cable that will extend ninety (90) feet in length toward the ground. See Exhibit B for dish and cable details.

Planning Division Review

Applicable requirements of the Weber County Zoning Ordinance?

The Planning Division Staff has determined that Chapter 22A (Manufacturing-3 Zone) and Chapter 36 (Design Review) apply to this site plan approval request. These ordinances have been complied with in the following ways:

- The Manufacturing-3 Zone lists a communication tower as a permitted use which allows the use and further allows the Planning Staff to administratively approve Westinghouse's proposed site plan due to its limited scale and scope. Improvements shown on the site plan cover an area that is less than one (1) acre as prescribed by Chapter 36.
- o All other design and site plan requirements from Chapter 36 are in compliance as demonstrated by the proposed site plan.

Review agency conditions and requirements?

- The Weber County Building Inspection Division will require a Building Permit prior to construction.
- o The remaining review agencies have responded with no concerns and have approved the project.

Planning Division Findings

- The application was submitted and deemed complete on April 23, 2012.
- The requirements of Chapters 22A and 36 have been complied with as described above.
- This proposed project falls within the requirements for an administrative approval by the Planning Director.

Administrative Approval (Westinghouse Electric Company Communication Tower) May 1, 2012

Based upon the findings listed above, the site plan for the Westinghouse communication tower is hereby approved.

Date of Administrative Approval: May 1, 2012

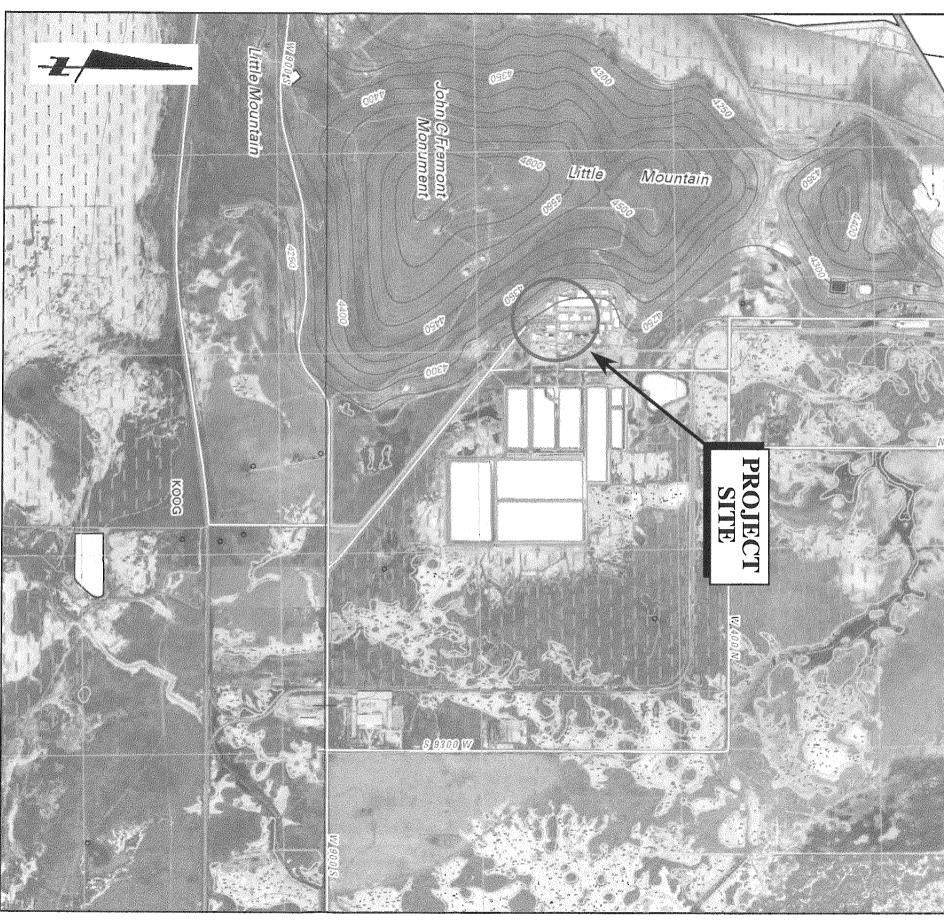
Robert O. Scott

Weber County Planning Director

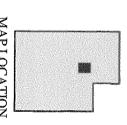
Exhibits

- A. Location Map.
- B. Proposed tower and dish details.
- C. Proposed foundation details.

The exhibits are considered the approved documents associated with this Design Review.



Base Maps: USGS *Plain City*: and *Ogden Bay* 7.5-Minute Quadrangle Topographic Maps (2011)



1000°

SCALE 1:24,000

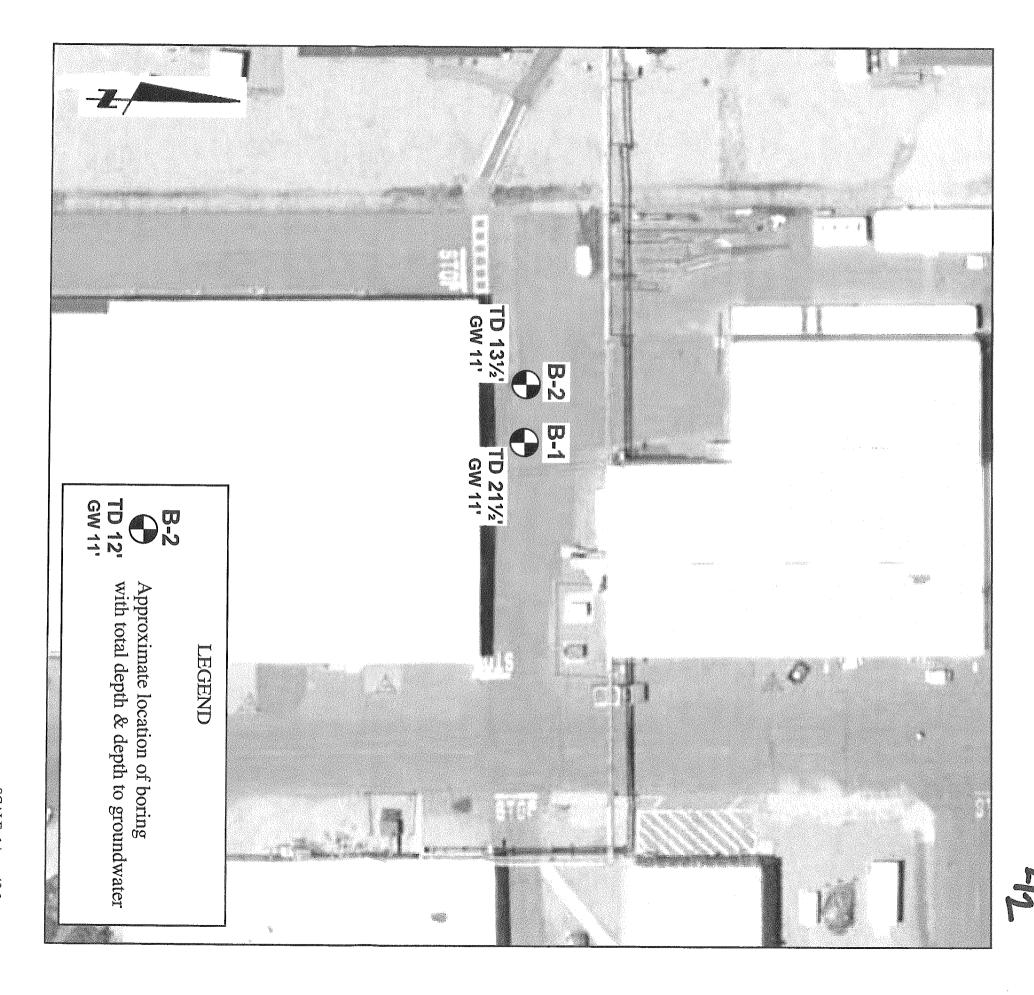
MAP LOCATION

Project No. 01289-004

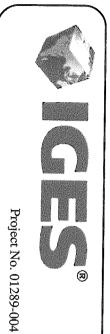
Geotechnical Investigation
Westinghouse Monopole
10000 West 900 South
Ogden, Utah

SITE VICINITY MAP

THIST A



SCALE: 1 in. = 40 ft.

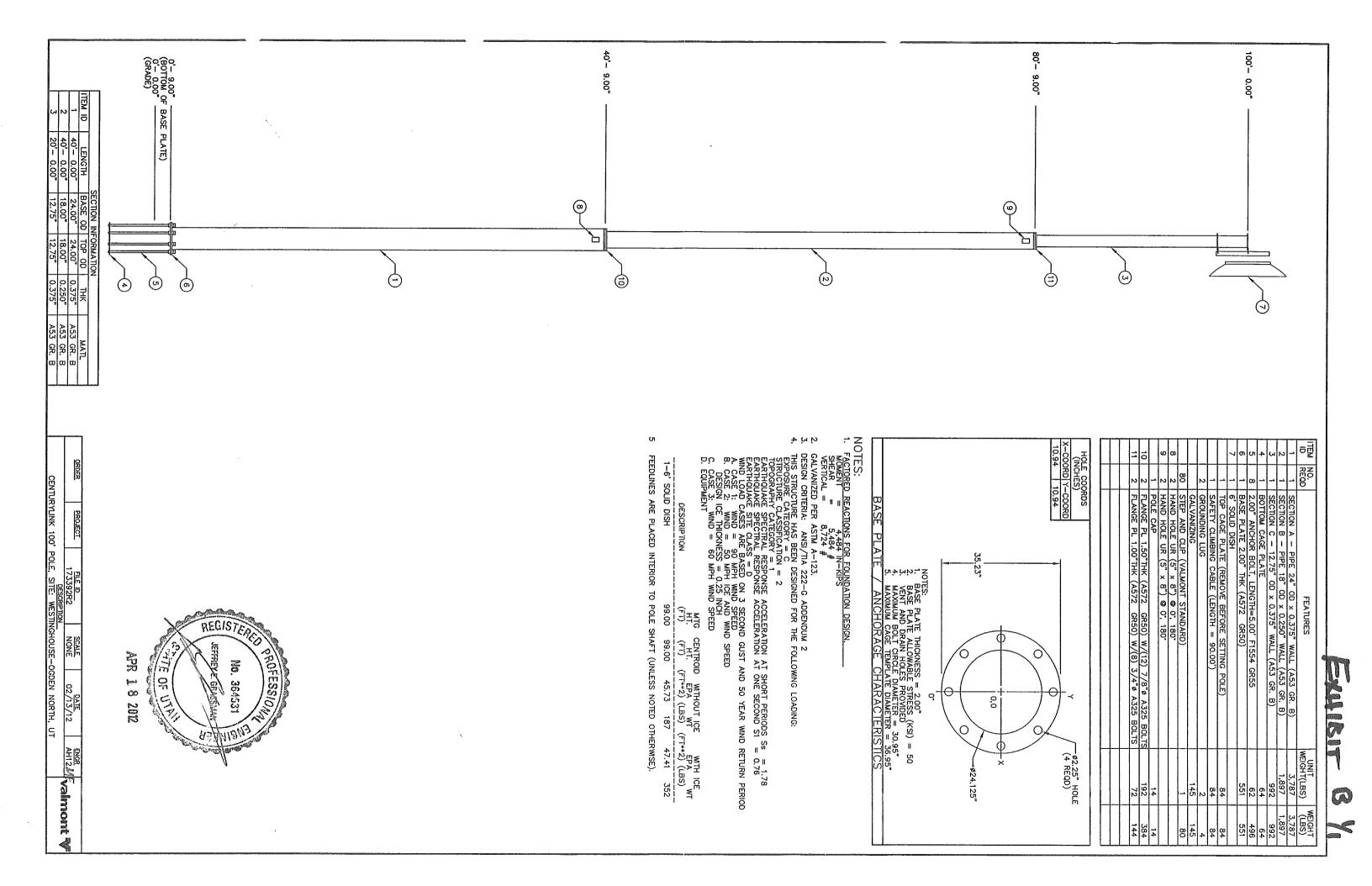


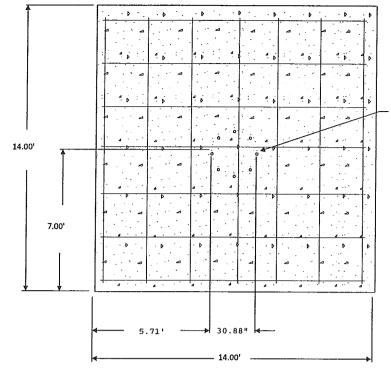
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GEOTECHNICAL MAP

A-2

Tiener.





SECTION A-A No Scale

4.50

(15) - #4 BARS

1) (5) - #4 TIES

EACH WAY

10.00" A/B PROJ.

6.00" NOMINAL

(15) - #5 BARS

EACH WAY

(8)-2" DIAMETER X 60.00" LONG ANCHOR BOLTS ON A 30.875" BOLT CIRCLE MATCHING PROVIDED TEMPLATES

- 2.00" DIA x 60.00" A/B's

(16) - #8 VERTICAL REBAR

PROVIDE POCKET AS REQUIRED TO

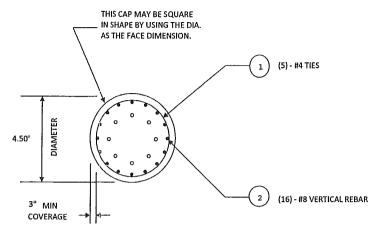
ACCOMMODATE ANCHOR BOLTS WITH MIN 3" CONCRETE COVER.

1.50'

2.00

DOUBLE TIES @ TOP

1" CHAMFER



SECTION B-B No Scale



APR 1 8 2012



GENERAL NOTES: SLAB FOUNDATION

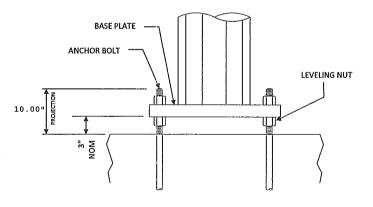
- 1. Prior to excavation, check the area for underground facilities.
- 2.All reinforcing shall be deformed bars conforming to ASTM A615 Grade 60 (60,000 psi min. yield) and shall be provided by the foundation contractor.
- 3.All concrete shall have a minimum compressive strength of 3000 psi @ 28 days. The requirement for the concrete shall be as given in the ACI "Building Code Requirements for Reinforced Concrete", ACI 318, the latest edition.
- 4. Trowel top of foundation smooth.
- 5.Concrete shall be placed against undisturbed soil to the depth indicated on the foundation drawing. The portion above grade shall be formed. If an area is excavated beyond the limits shown, this volume shall be filled with concrete or formed. After the forms are removed, the excess excavation shall be replaced and compacted.
- 6. The ground water was encountered at 11' below grade during boring.
- 7. Foundation design based on vert. bearing pressure of 6000 psf.
- 8.Concrete is assumed to weigh 150 pcf.
- 9.Estimated concrete volume = 16.18 cubic yards total.
- 10.Design Based on the following loads from installation drawing for order No: 173392-1-1.

Factored Moment = 374 FT-KIPS Factored Download = 7.8 KIPS Overturning Safety Factor = 1.59
Max. Toe Bearing Pressure = 1.23 ksf

Factored Shear = 5.5 KIPS

- 11. Backfill should be compacted to a density of 100 pcf.
- 12. Anchor bolts to be ASTM F1554, Gr. 55 ksi.
- 13. Reference: IGES Project No. 01289-004, dated 3/29/2012.
- 14. Ref Soils Report for installation recommendations.

	REINFORCEMENT STEEL SCHEDULE						
	Sym	Туре	Rebar Size	Rebar Weight Spacing (lbs)		Qty	
CAP TIES	1	С	#4	EQUAL	42	5	
P VERTICAL REBAR	2	В	#8		203	16	
SLAB TOP STEEL	3	A	#4	11.57 in	271	30	
AB BOTTOM STEEL	4	A	#5	11.57 in	422	30	
TOTAL STEEL WI	EIGHT FOR	COMPLETE FO	OUNDATION I		938		

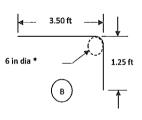


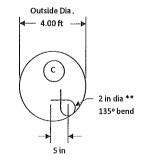
ANCHOR BOLT INSTALLATION N.T.S.

EXTREME CARE SHOULD BE TAKEN TO
ASSURE THAT ALL LEVELING NUTS ARE
LEVEL WITH RESPECT TO EACH OTHER
PRIOR TO ERECTION OF THE STRUCTURE

**SLAB FOUNDATION TO BEAR
AT MINIMUM 3.5FT BELOW GRADE

**SLAB TO BEAR ON MINIMUM 18" OF STRUCTURAL FILL PER GEOTECH REPORT. STRUCTURAL FILL SHOULD EXTEND A MINIMUM OF 2FT BEYOND FOUNDATION EDGE.





irade 60 Rebar							
Size	Ask#	Wt/ft	10db (in)	d* (in)	d** (in)		
#3	11-97203	0.38	3.75	2.25	1.50		
#4	11-97204	0.67	5,00	3.00	2.00		
#5	11-97205	1.04	6.25	3.75	2.50		
#6	11-97200	1.50	7.50	4.50	4.50		
#7	11-97207	2.04	8.75	5.25	4.25		
#8	11-97208	2.67	10.00	6.00	6.00		
#9	11-97209	3.40	11.28	9.50	-		
#10	11-97210	4.30	12.70	10.75	-		
#11	11-97211	5.31	14.10	12.00	-		

* Refers to ACI standard hook detail chart

** Refers to ACI stirrup hook detail chart

Rebar	Rebar	Specified Overlap (inches)			
Size	Grade	Concrete	Vert	Bottom	Тор
	1	Strength	ļ	Horiz	Horiz
#3	60	3000 psi	15	15	21
#4	60	3000 psi	20	20	29
#5	60	3000 psi	26	26	36
#6	60	3000 psi	33	33	46
#7	60	3000 psi	45	45	62
#8	60	3000 psi	59	59	82
#9	60	3000 psi	74	74	104
#10	60	3000 psi	95	95	132
#11	60	3000 psi	116	116	163

Splicing is an alternative to specified material listed in rebar schedule.

ELEVATION
No Scale

Rev	Description	Date	By/Ck	UNLESS OTHERWISE NOTED	valm	ont W	3575 25TH STREET SE SALEM,	OR 97302
			1	DIMENSIONS ARE IN INCHES TOLERANCES ARE:		ROFLEC		
			X'- X X/X" - ± 1/8" X X/X" - ± 1/16" X' - ± 1/8" X" - ± 1/16"	Check:	MF MF	SLAB FOUNDATION LAYOU Customer CenturyLink Site Westinghouse, South		
	S.O. 173392-1-1 SIZE - B Dwg No. B-134291 Sheet 1 of 1							