

- NOTES
1. FOR STRUCTURAL GENERAL NOTES, SEE SHEET S001.
 2. HORIZONTAL & VERTICAL CONTROL OF FOUNDATIONS SHALL BE BASED ON SURVEYING PLAN PROVIDED BY OWNER.

COORDINATES OF CENTER OF ANTENNA					
NO.	NEW DESIGN DESIGNATION	OLD DESIGN DESIGNATION	COORDINATES		
			NORTH	EAST	
1	3H	16	4519460.13	629040.87	
2	3G	17	4519450.66	629038.33	
3	3F	18	4519453.20	629047.80	
4	1H	84	4519308.94	628973.70	
5	1G	86	4519294.35	628998.85	
6	1D	88	4519264.97	628043.69	
7	1C	89	4519261.61	628067.30	
8	1B	92	4519325.54	628073.94	
9	2G	131	4519375.41	628967.97	
10	2H	132	4519387.83	628975.07	
11	2K	134	4519408.98	628996.43	
12	2F	135	4519377.85	628996.96	
13	2L	136	4519410.06	628021.37	
14	2A	138	4519421.90	628064.51	
15	2C	139	4519384.23	628083.48	
16	2D	140	4519363.54	628123.25	
17	3E	143	4519465.79	628063.44	
18	3D	144	4519477.17	628089.70	
19	3J	145	4519499.35	628094.78	
20	3L	146	4519518.72	628065.57	
21	4H	148	4519525.80	628074.67	
22	4G	149	4519522.87	628087.85	
23	4J	150	4519546.60	628116.01	
24	3C	153	4519455.64	628136.37	
25	4E	155	4519485.49	628162.04	
26	5B	162	4519513.60	628216.69	
27	5C	166	4519496.58	628223.34	
28	5H	167	4519495.75	628209.94	
29	5G	168	4519482.70	628207.39	

NOTE:
FOR C OF ANTENNA FOOTING, SEE DWG. S201

- Qaf

EXISTING FILL
- Qrv1

HOLOCENE BASALTIC LAVA, GENERALLY INTACT ROCK STRUCTURE
- Qrv2

HOLOCENE BASALTIC LAVA, ROCK STRUCTURE DISRUPTED OR PARTIALLY DISRUPTED, INCLUDES ZONES OF CLINKER
- Qrv3

COLLAPSED OR PARTIALLY COLLAPSED LAVA TUBE, ABUNDANT VOIDS AND UNSTABLE ROCK BLOCKS
- Qp

PLUETOCKNE ALLUVIUM AND LAKE DEPOSITS

ANTENNA ARRAY - PHASE 1
SOUTH AREA
SITE PLAN
scale: 1"=20M



0	ISSUED FOR CONSTRUCTION	12-5-03	DK2	RAC
Sym.	Description	Date	Drawn By	Appr. By

PH: (800) 889-WRMS
Fax: (925) 933-5167

Drawn By:
CEU

Designed By:
GK

Date:
9/26/03

Proj. No.:
02-242

Walnut Creek, CA
Seattle, WA
Boston, MA

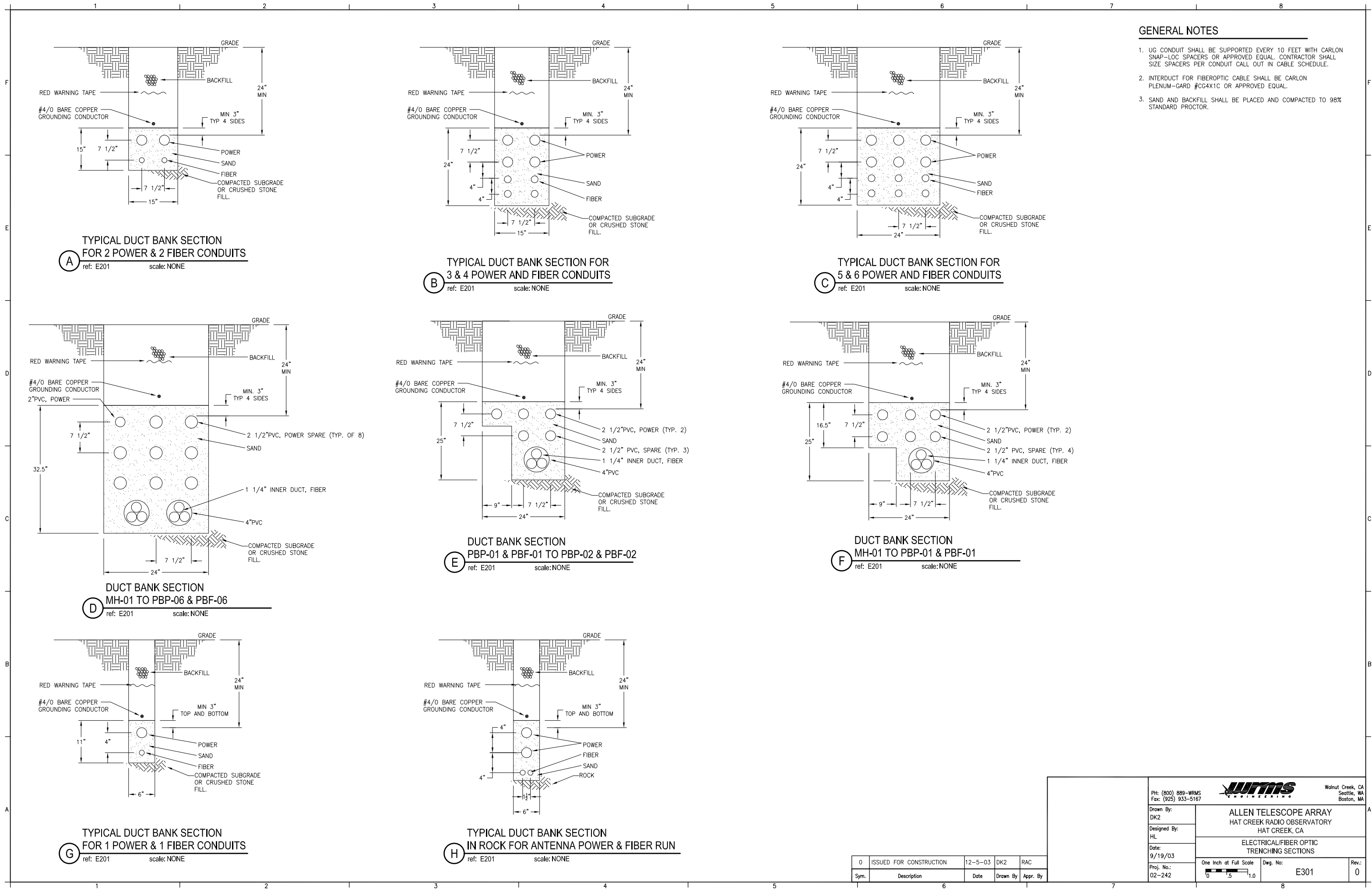
ALLEN TELESCOPE ARRAY
HAT CREEK RADIO OBSERVATORY
HAT CREEK, CA

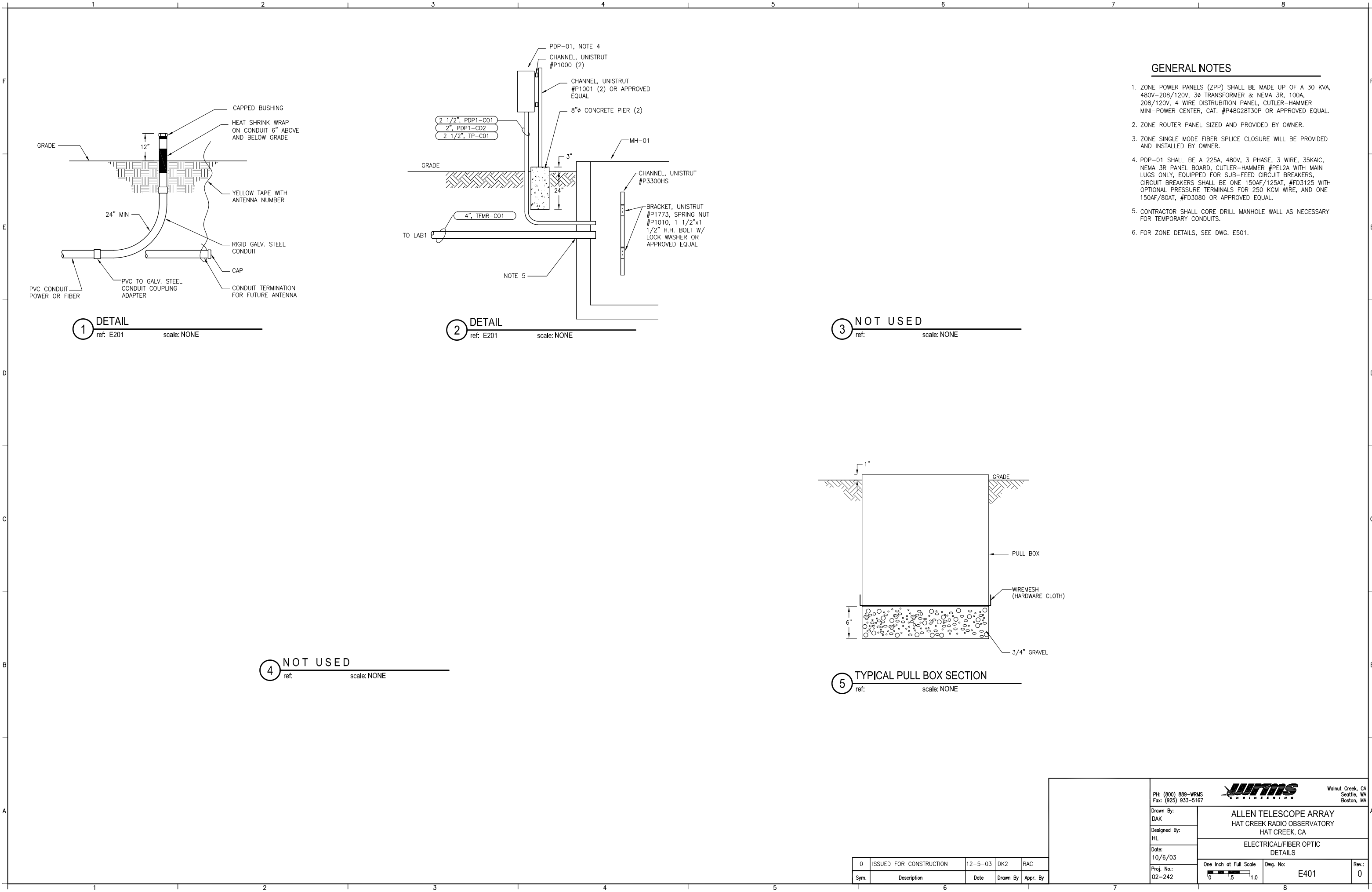
STRUCTURAL
SITE PLAN

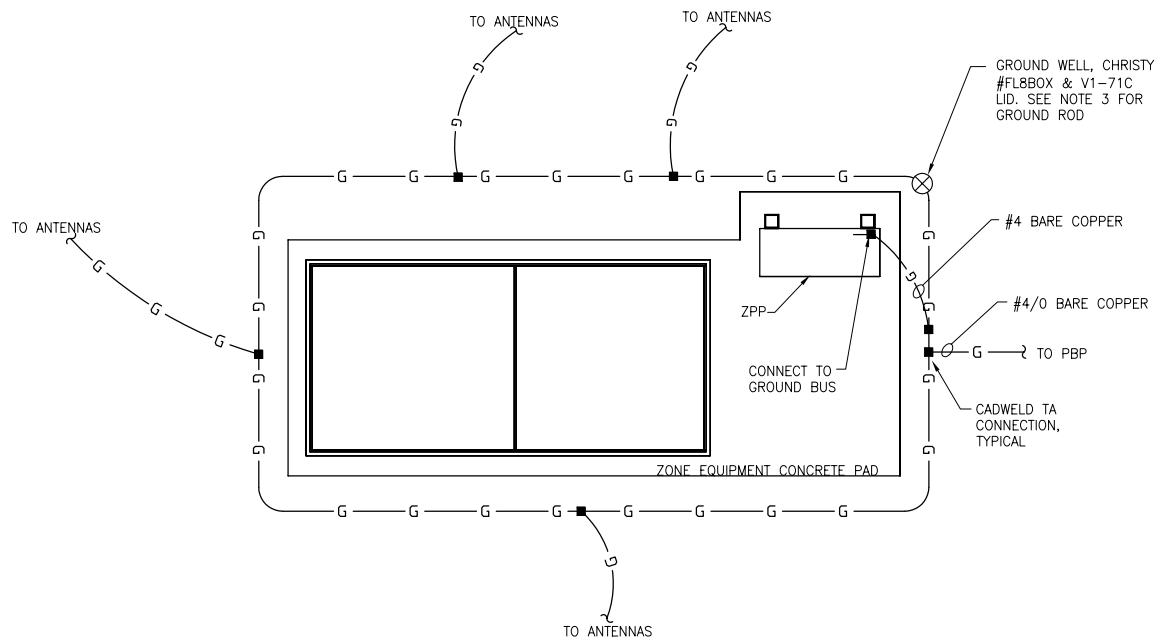
One Inch at Full Scale

Dwg. No.:
S101

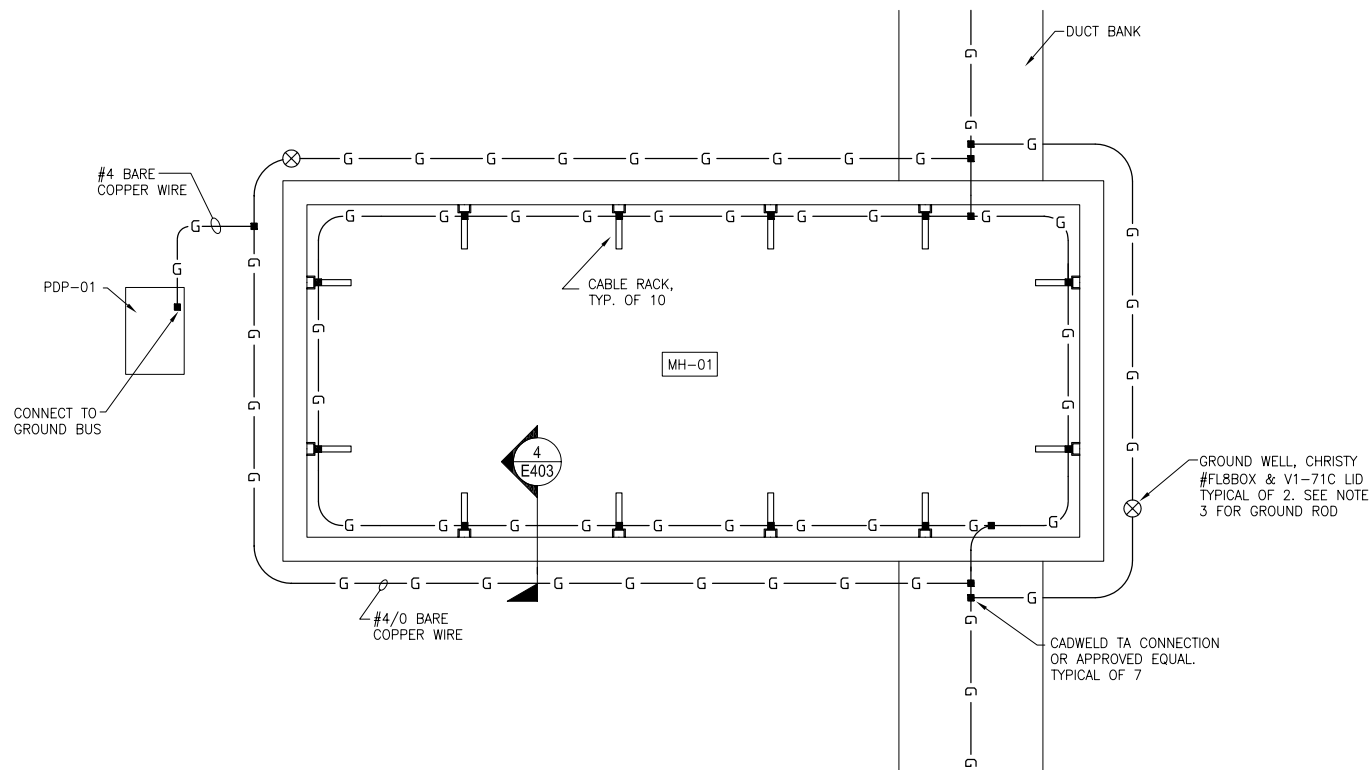
Rev.:
0



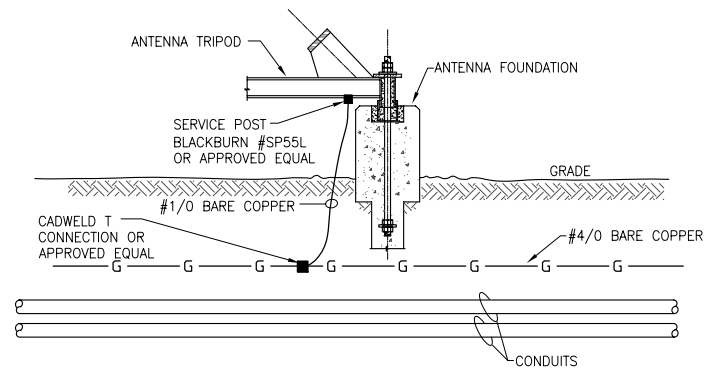




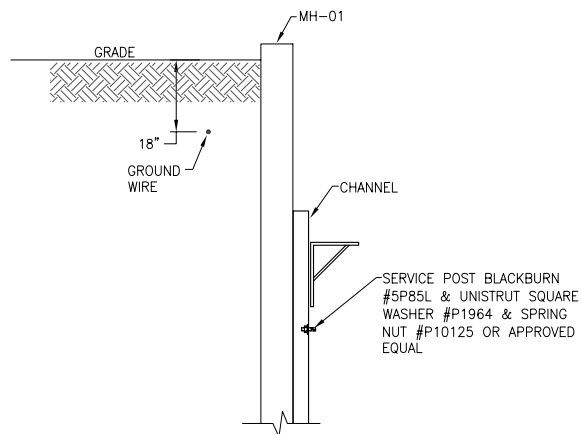
1
GROUNDING AT
ZONE EQUIPMENT
ref: scale: NONE



3
GROUNDING AT
MANHOLE #1 (MH-01)
ref: scale: NONE



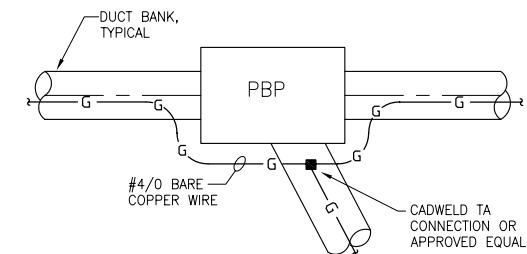
2
GROUNDING AT
ANTENNA FOUNDATION
ref: scale: NONE



4
SECTION AT MANHOLE MH-01
ref: scale: NONE

GENERAL NOTES

1. GROUND CONDUCTOR SHALL BE RUN A MINIMUM OF 18" BELOW GRADE.
2. GROUND CONDUCTOR SHALL BE BARE COPPER, ASTM B-3, STANDARD CLASS B.
3. THE GROUNDING ELECTRODE SHALL BE AN ELECTROLYTIC TYPE. THE ELECTRODE SHALL BE AN L-SHAPED 2.125" O.D. HOLLOW TUBE MADE OF TYPE K COPPER. THE TUBE SHALL BE FILLED WITH NON-HAZARDOUS METALLIC SALTS. THE MANUFACTURER SHALL BE LYNCOLE XIT GROUNDING, MODEL NUMBER K2L-10CS OR APPROVED EQUAL. THE ELECTRODE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONNECTION TO GROUND LOOP SHALL BE AN EXOTHERMIC TYPE (CADWELD).



5
GROUNDING AT PULL BOXES
ref: scale: NONE

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Walnut Creek, CA
Seattle, WA
Boston, MA

Drawn By:
LCM

Designed By:
RAC

Date:
10/8/03

Proj. No.:
02-242

ALLEN TELESCOPE ARRAY
HAT CREEK RADIO OBSERVATORY
HAT CREEK, CA

ELECTRICAL
GROUNDING DETAILS

One Inch at Full Scale
0 1.5 1.0

Dwg. No.:
E402

Rev.:
0