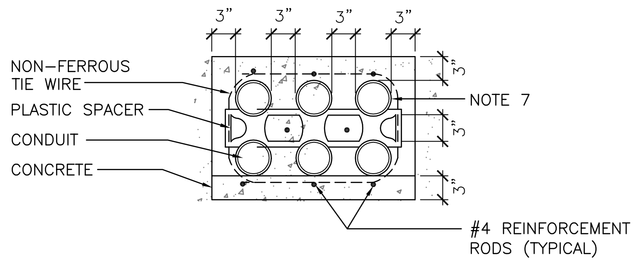
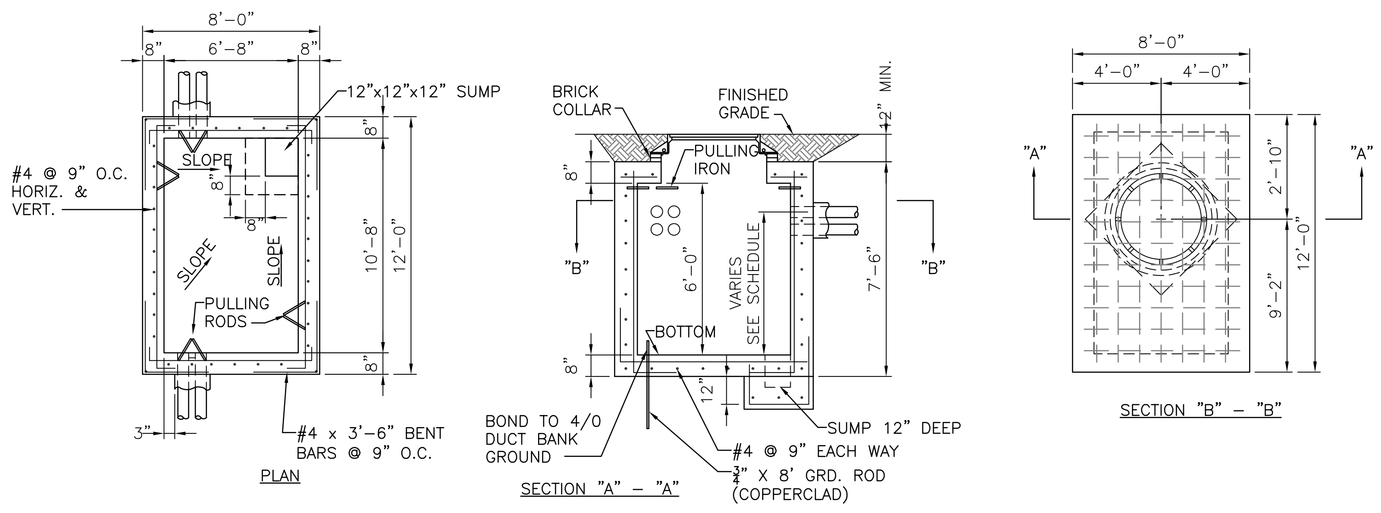


DUCT BANK NOTES:

1. CONCRETE SHALL BE 3,000 P.S.I. @ 28 DAYS OR AS SPECIFIED.
2. PROVIDE REINFORCING RODS ON TOP OF DUCTS WHEN CROSSING OR PLACING IN ROADWAYS. MINIMUM COVER BENEATH ROADWAYS SHALL BE 30".
3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 24" U.N.O.
4. NON-FERROUS TIE WIRES TO BE IMBEDDED IN DUCT BED CONCRETE.
5. REFER TO INDIVIDUAL DUCT SECTIONS AND CONDUIT AND CABLE SCHEDULE FOR NUMBER AND QUANTITY OF CONDUITS IN EACH DUCT BANK.
6. INSTALL ORANGE WARNING TAPE 12" ABOVE TOP OF DUCT BANK.
7. SCHEDULE 40 PVC CONDUIT SHALL BE USED EXCEPT THE FOLLOWING AREAS WHERE PVC COATED GALVANIZED RIGID STEEL IS REQUIRED.
   a. WHERE NOTED ON DRAWINGS.
   b. WHERE STEAM PIPING IS WITHIN 10 FEET OF DUCT BANK.
   c. ALL 90 DEGREE SWEEP ELBOWS.
   d. WHERE DUCT BANK PASSES BELOW ROADWAYS.
   e. WITHIN BLDG'S. BELOW SLAB.

1 Typical Duct Bank Detail

SCALE: No Scale



2 Systems Manhole SMH-1

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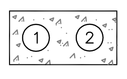
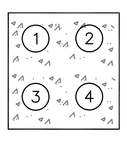


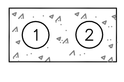
3 Section 'A'
SCALE: No Scale

4 Section 'B'
SCALE: No Scale

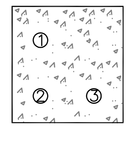


5 Section 'C'
SCALE: No Scale

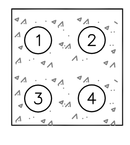
6 Section 'D'
SCALE: No Scale



7 Section 'E'
SCALE: No Scale

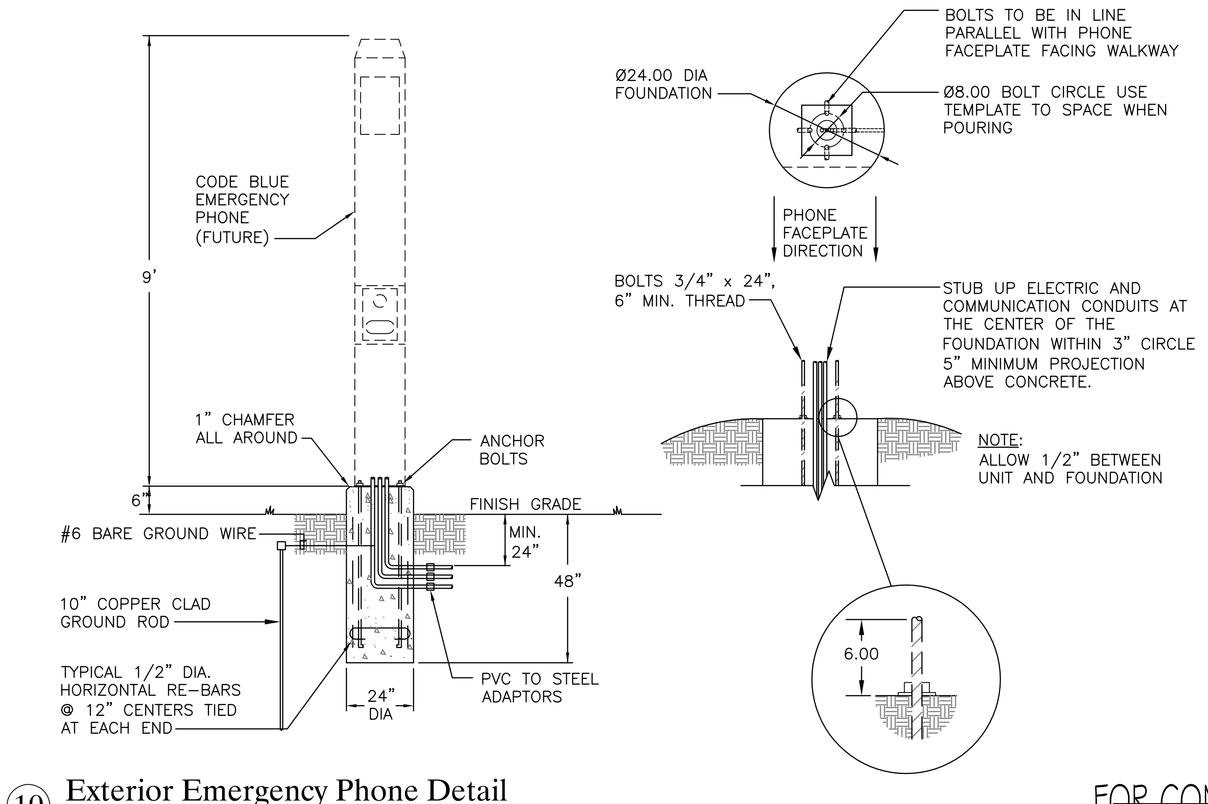


8 Section 'F'
SCALE: No Scale



9 Section 'G'
SCALE: No Scale

DUCT BANK CONDUIT SCHEDULE				
DUCT SECTION NUMBER	CONDUIT NUMBER	WIRE SIZE	CONDUIT SIZE	COMMENTS
A	1	25 - PR GEL-FILLED COPPER CABLE	4"	(2) 3-3" MAXCELL INNERDUCT
	2	---	4"	SPARE
B	1	FUTURE	1"	EMERGENCY PHONE & COMMUNICATIONS CABLE (BY SECURITY VENDOR)
	2	FUTURE	1"	EMERGENCY PHONE POWER
	3	FUTURE	1"	SPARE
C	1		4"	(2) 3-3" MAXCELL INNERDUCT
	2	---	4"	SECURITY SPARE
	3	---	4"	VOICE SPARE
	4	200 PR GEL-FILLED VOICE CABLE & .5" GELL-FILLED COAXIAL CABLE	4"	VOICE FEEDER CABLE / MATV FEED
D	1	6 - STRAND OPTICAL FIBER CABLE (CAMPUS FIRE ALARM LOOP)	2"	(1) 2 CELL MAXCELL INNERDUCT
E	1	---	4"	FUTURE FISHER HOUSE
	2	---	4"	FUTURE FISHER HOUSE
F	1	FUTURE	1"	GATE INTERCOM & COMMUNICATIONS CABLE (BY SECURITY VENDOR)
	2	FUTURE	1"	PARKING GATE CARD READER & CABLING (BY SECURITY VENDOR)
	3	FUTURE	1"	SPARE
G	1	FUTURE FISHER HOUSE	4"	(2) 3-3" MAXCELL INNERDUCT
	2	25 - PR GEL-FILLED COPPER CABLE	4"	(2) 3-3" MAXCELL INNERDUCT
	3		4"	(2) 3-3" MAXCELL INNERDUCT
	4	FUTURE	4"	SPARE



10 Exterior Emergency Phone Detail

SCALE: Not To Scale

~~FOR CONSTRUCTION~~
FULLY SPRINKLERED

Revisions:	Date

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Drawing Title: **Telecommunication Details**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date | Checked: **REM** | Drawn: **JMG**

Project Number: **646CA2500R**

Building Number: **30**

Drawing Number: **ET7-102**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

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