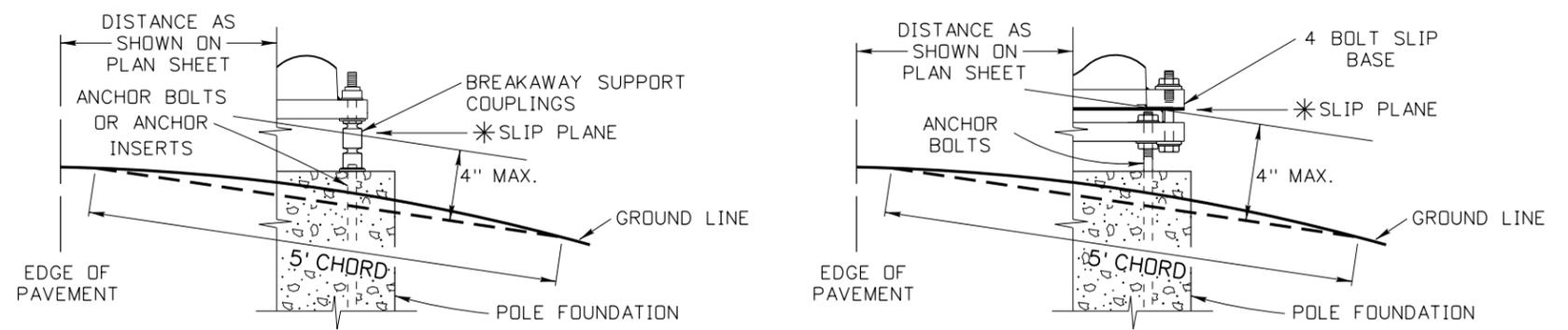
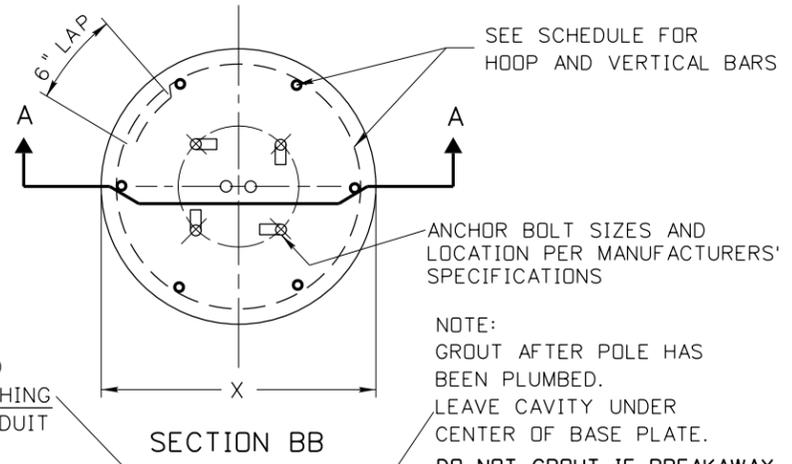
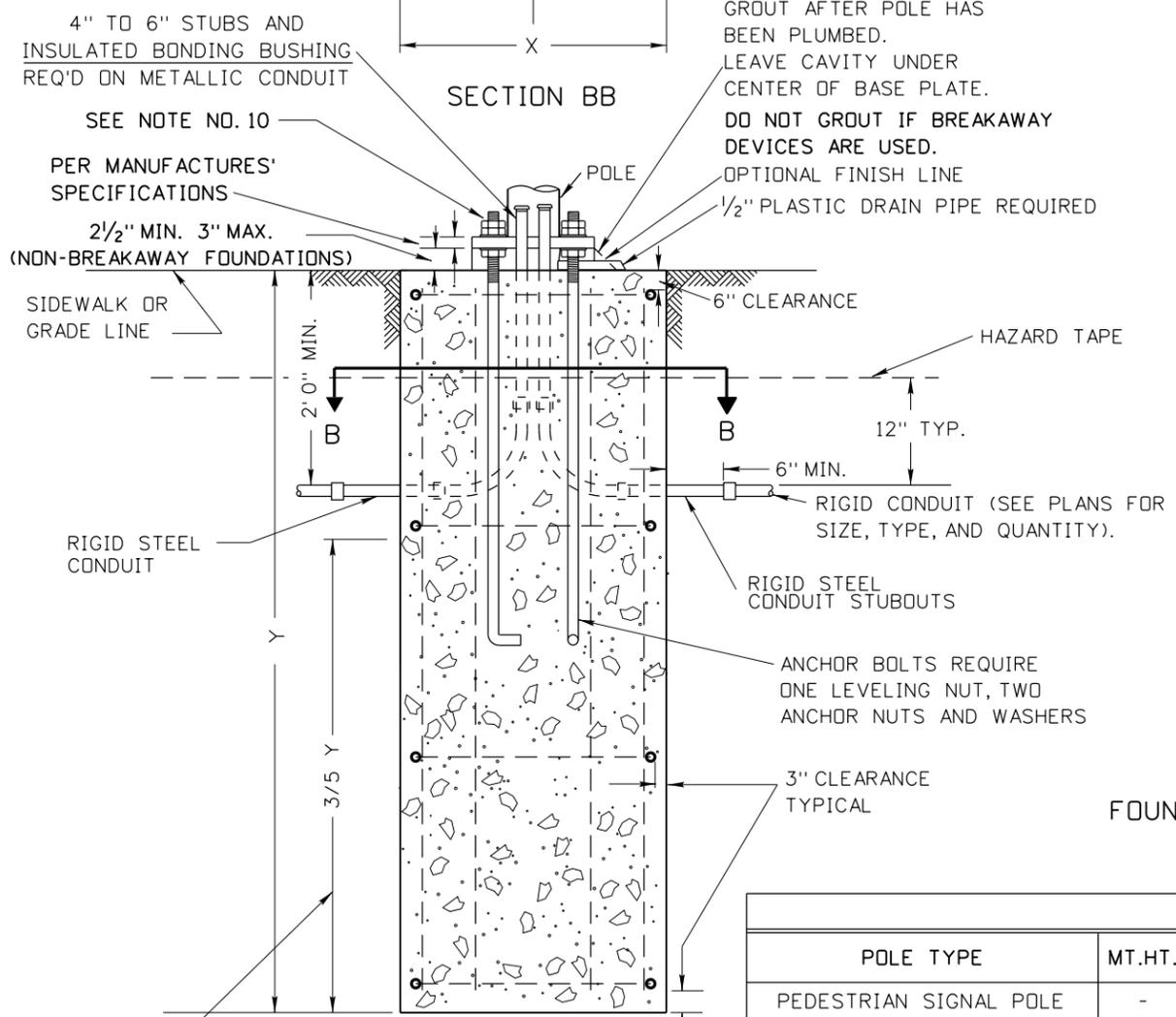


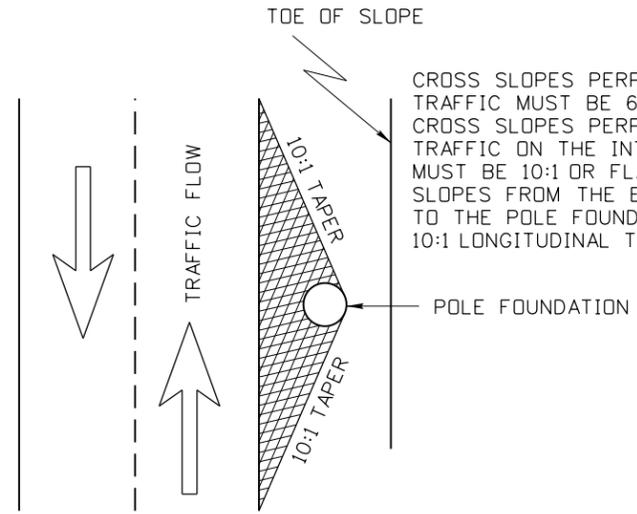
* THE SLIP PLANE OF A BREAK AWAY POLE FOUNDATION SHALL NOT BE MORE THAN 4 INCHES FROM A 5.0 FOOT CHORD PERPENDICULAR TO THE CONTROL LINE OF THE ROADWAY. THE CHORD SHALL INTERSECT THE SIDE SLOPE ON EACH SIDE OF THE FOUNDATION.



BREAKAWAY SUPPORT CLEARANCE DIAGRAMS



FOUNDATION GRADING / SLOPE TREATMENT



CROSS SLOPES PERPENDICULAR TO THE FLOW OF TRAFFIC MUST BE 6:1 OR FLATTER. CROSS SLOPES PERPENDICULAR TO THE FLOW OF TRAFFIC ON THE INTERSTATE SYSTEM MUST BE 10:1 OR FLATTER. SLOPES FROM THE EDGE OF THE ROADWAY TO THE POLE FOUNDATION SHOULD HAVE A 10:1 LONGITUDINAL TAPER

NOTES:

1. THE FOUNDATIONS SHALL BE LOCATED AS INDICATED ON THE PROJECT PLAN SHEETS.
2. FOUNDATION REBAR CAGES MAY BE WELDED IF THE STEEL REBAR CONFORMS TO ASTM A706/A706M AND ALL WELDING CONFORMS TO ANSI/AWS D1.4 (STRUCTURAL WELDING CODE - REINFORCING STEEL).
3. REBAR IN POLE FOUNDATIONS SHALL BE 60 KSI STEEL.
4. STEEL TEMPLATE REQUIRED FOR ANCHOR BOLT PLACEMENT.
5. SPARE STUBOUTS WHEN SHOWN ON PLAN SHEETS SHALL BE TERMINATED WITH A STEEL COUPLING AND FOAM PLUG AT BOTH ENDS.
6. CLASS 40 CONCRETE SHALL BE USED IN POLE FOUNDATIONS.
7. FOUNDATION CONCRETE SHALL ACHIEVE 100% STRENGTH AND CURE FOR A MINIMUM OF 7 DAYS BEFORE ANY LOADING IS APPLIED.
8. FILLER JOINT MATERIAL WILL BE PLACED AROUND POLE FOUNDATION WHEN POLE FOUNDATION IS IN CONTACT WITH SIDEWALK.
9. ELEVATION OF TOP OF POLE FOUNDATION SHALL MATCH THE ADJACENT PAVEMENT EDGE OR SIDEWALK ELEVATION.
10. ANCHOR BASE ASSEMBLIES SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SUBSECTION 619.03 OF THE ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE SUPPLEMENTAL SPECIFICATIONS.

POLE FOUNDATION SCHEDULE												
POLE TYPE	MT.HT.	MASTARM LENGTH	FOUNDATION TYPE	X	Y	HOOPS			VERTICAL RODS			CU. YDS. CONCRETE
						NO.	SIZE	LIN.FT.	NO.	SIZE	LIN.FT.	
PEDESTRIAN SIGNAL POLE	-	-	A	2'-0"	5'-0"	4	#4	20'-10"	6	#4	25'-6"	.6
LIGHT POLE	30'	ALL	A	2'-0"	5'-0"	4	#4	20'-10"	6	#4	25'-6"	.6
LIGHT POLE	35'	ALL	B	2'-6"	7'-0"	4	#4	27'-2"	6	#6	37'-6"	1.3
LIGHT POLE	40'-50'	ALL	C	3'-0"	8'-0"	5	#4	41'-10"	8	#6	58'-0"	2.1
SIGNAL POLE		20' - 45'	D	3'-0"	9'-0"	5	#4	41'-10"	8	#6	66'-0"	2.4
PEDESTRIAN PUSHBUTTON POLE	4'-0"	-	E	1'-6"	2'-6"	-	-	-	-	-	-	.2
DUAL MAST ARM SIGNAL POLE	-	ALL	F	3'-0"	12'-0"	8	#5	66'-10"	12	#6	135'-0"	3.1
SIGNAL POLE	-	50' - 55'	F	3'-0"	12'-0"	8	#5	66'-10"	12	#6	135'-0"	3.1

THE LOWER 3/5 OF THE FOUNDATION TO BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE UPPER 2/5 OF THE FOUNDATION MAY BE FORMED AS NEEDED.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	08-96	HEB					
2	07-03	HEB					
3	05-05	HEB					
4	07-10	EBG					
5	04-14	HEB					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: i7c10414.dgn
DRAWING DATE: DECEMBER, 1994

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: CARL D. MAIN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
MAST ARM SIGNAL POLE, LIGHTING POLE AND PEDESTRIAN POLE FOUNDATION DETAILS
REQUIRES STD. DWG. I-7-C-2

English
STANDARD DRAWING NO.
I-7-C-1
SHEET 1 OF 1

ORIGINAL SIGNED BY: TRJ BUJ
DATE ORIGINAL SIGNED: APRIL 28, 2014