

Exhibit B-76: Complete Beacon Plan

LEGEND

- TYPE 1 JUNCTION BOX
- FLASHER CABINET AND FOUNDATION
- FLASHER
- WIRE NOTE
- CONSTRUCTION NOTE
- SIGN
- CONDUIT RUN
- ROW
- 6' DIAMETER LOOP

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT WSDOT/APWA STANDARD SPECIFICATIONS, SKAGIT COUNTY SPECIAL PROVISIONS, WSDOT STANDARD PLANS, AND THESE PLANS.
- FLASHING BEACON SHALL HAVE 12 INCH LENSE WITH LED LIGHT SOURCES.
- CONDUIT SHALL BE SCH 40 UNLESS UNDER PAVEMENT WHERE IT SHALL BE SCH 80. ALL CONDUIT SHALL HAVE 24 INCHES OF COVER.
- ALL VEHICLE DETECTION LOOPS SHALL BE WHERE SHOWN ON THE PLANS. SEE WSDOT STANDARD PLAN J-50.12-00.
- ALL JUNCTION BOX LOCATIONS AND CONDUIT RUNS ARE APPROXIMATE AND SHALL BE APPROVED BY ENGINEER BEFORE INSTALLATION.
- STOP BAR MATERIAL SHALL BE THERMOPLASTIC.
- FLASHER CABINET SHALL BE WESTERN SYSTEMS FC 160; MODEL #3000150005. BRACKETS ARE MODEL 3610015000.

LOOP SCHEDULE

LOOP#	TYPE	STATION OFFSET	LOOP#	TYPE	STATION OFFSET
1	3S	9+50.00, 0' RT	2	3S	100+00.00, 0.6' RT
			3	3A	105+95.00, 5' LT

NOTE:
STATION AND OFFSET REFERENCED TO THE LEADING LOOP CENTER POINT FOR ALL TYPE 3S LOOPS.

WIRING SCHEDULE

RUN NO.	CONDUIT RACEWAY	LOOP CABLE 2cs	FLASHER POWER #10	SERVICE #4	COMMENT
1	1.5"			3	120/240 VAC BY PSE
2	2"	2	5		SCH 80
3	1"		3		SCH 80
4	1"	1	3		
5	2"	3	7		
6	1"	1			
7	1.5"	1			GALVANIZED

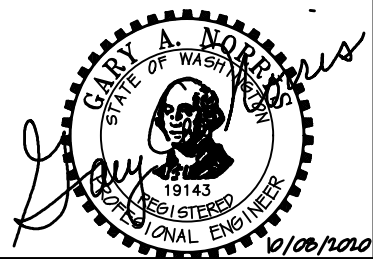
CONSTRUCTION NOTES

- CONNECT SERVICE TO TRANSFORMER AT STA. 5+25.97, 19.28' RT. COORDINATE POWER CONNECTION WITH PSE.
- CONSTRUCT FOUNDATION, FURNISH AND INSTALL TYPE PS POLE AND FLASHER CABINET AT STA. 9+24.00, 21' RT. SEE SHEET 2 DETAIL A.
- CONSTRUCT FOUNDATION, FURNISH AND INSTALL "ALTERNATING FLASHING BEACON TYPE 1" AT STA. 99+90.00, 18' LT. SEE WSDOT STANDARD PLAN J-21.16-01 AND J-21.10-04. SEE SHEET 2 DETAIL B.
- CONSTRUCT FOUNDATION, FURNISH AND INSTALL "ALTERNATING FLASHING BEACON TYPE 1" AT STA. 102+57.00, 15'LT AND STA 97+50, 20' RT. SEE SHEET 2 DETAIL C AND E.
- REMOVE EXISTING STOP BAR AND INSTALL NEW 12" STOP BAR AT STA. 9+66.74.
- ALL CONDUIT OVER BRIDGE BETWEEN JUNCTION BOXES SHALL BE 1.5" GALVANIZED, INCLUDING ALL 90 DEGREE BENDS (R=6" MIN). CONDUIT SHALL BE ATTACHED TO BACKSIDE OF GUARDRAIL POSTS USING GALVANIZED 2-HOLE CLAMPS AND SHALL BE ATTACHED TO EACH POST, AND TWO CLAMPS AT EACH RISER 16" OC. SEE SHEET 2 DETAIL D.

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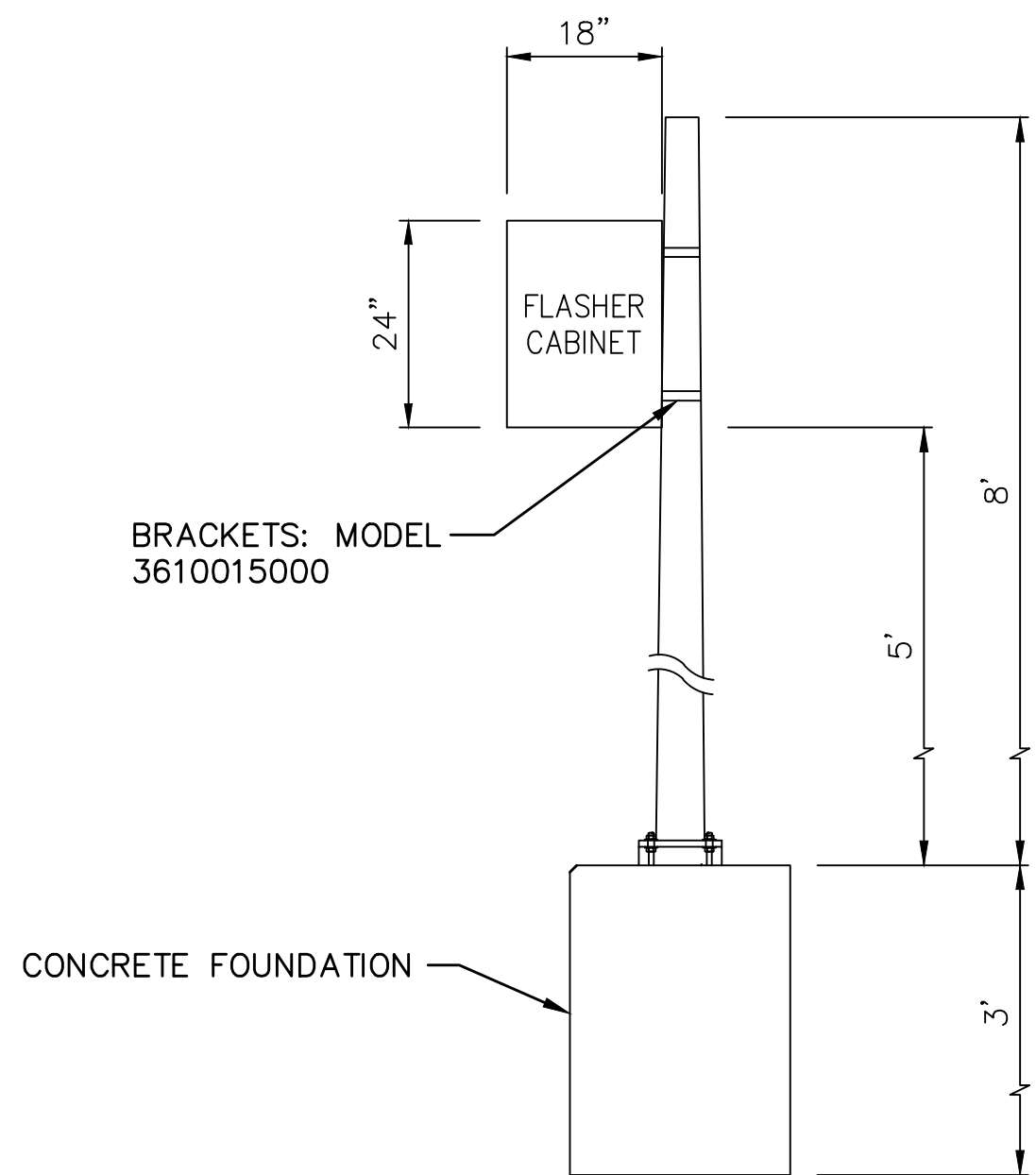
NO.	DATE	REVISION	BY	REV.

PRAIRIE RD & GRIP RD
INTERSECTION TRAFFIC
IMPROVEMENTS

SCALES:
HORIZONTAL: 1" = 50'
VERTICAL : N/A
NOTE: IF THIS SHEET IS LESS
THAN 22"x 34" THEN SHEET
HAS BEEN REDUCED

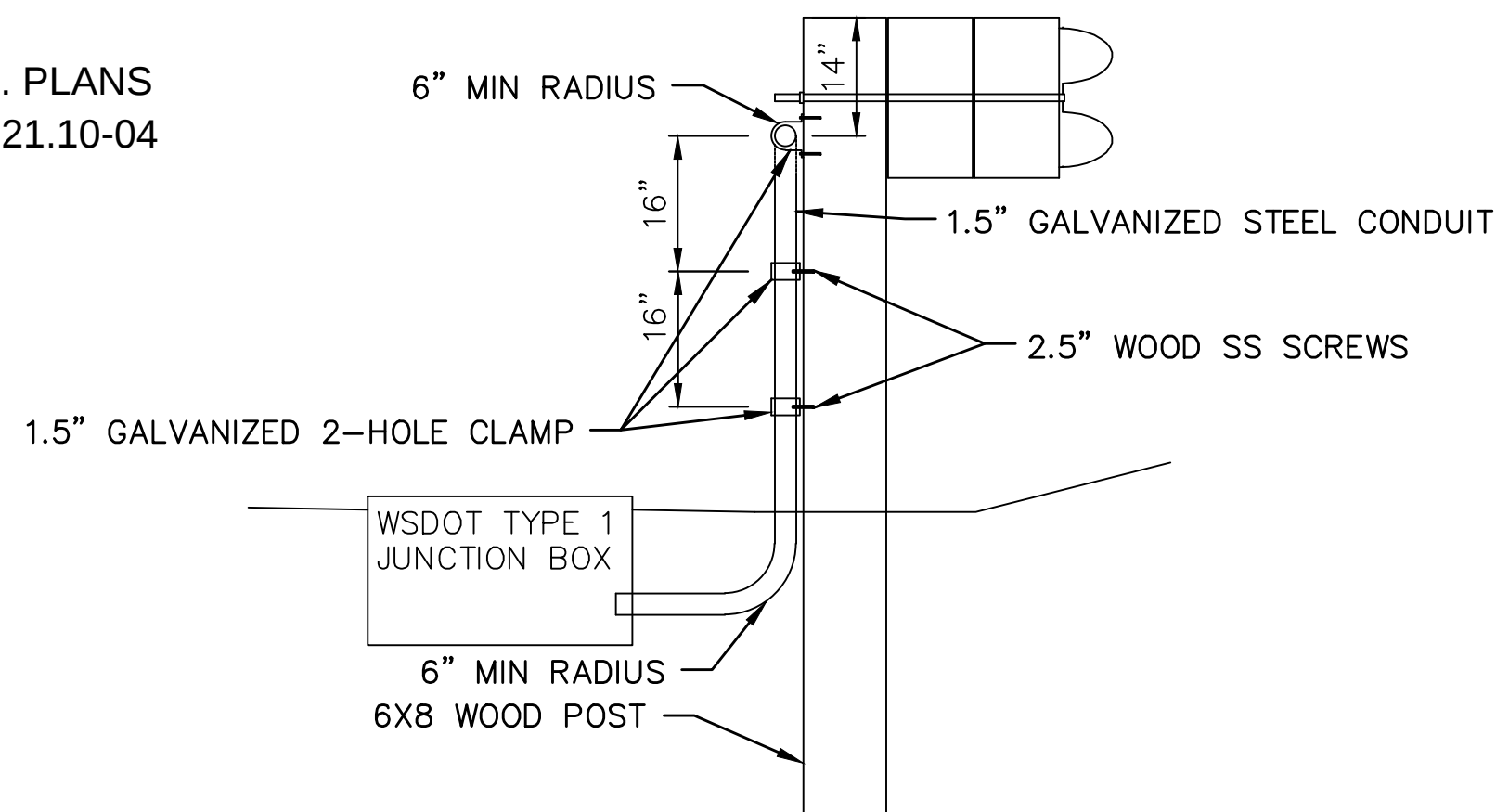
CONCRETE NOR'WEST
GRIP ROAD GRAVEL MINE
SECTION 4, T. 35 N., R. 4 E., W.M.
SKAGIT COUNTY, WASHINGTON

FIELD BK/PG:
DATE: 8/27/20
DRAWING: 5166FBD.DWG
JOB NO.: 5166
SHEET: 1



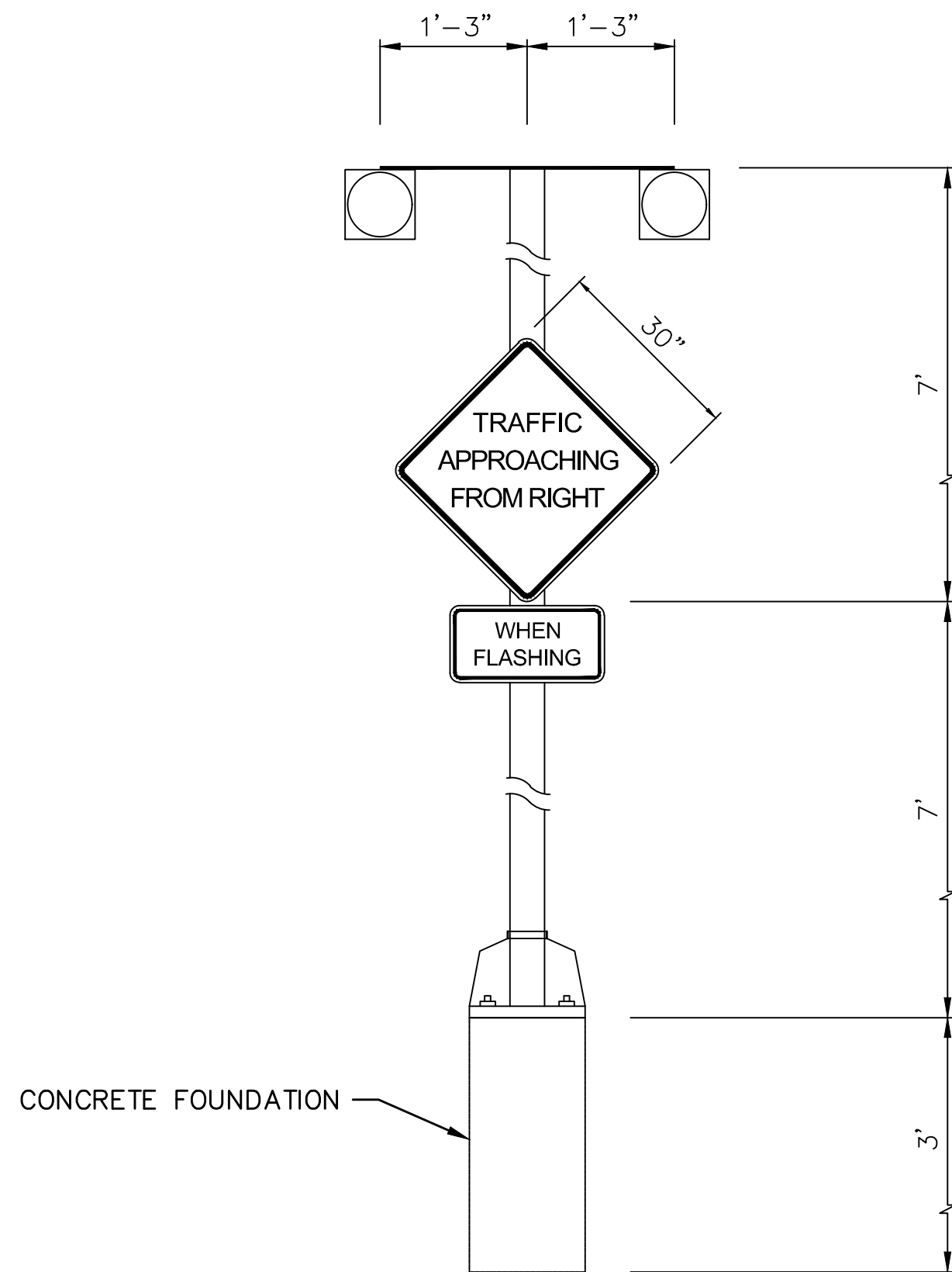
DETAIL "A"
(STA. 9+24, 21' RT)
NTS (TYP)

- FLASHING CABINET 160 WESTERN SYSTEMS MODEL 3000150005
- TYPE PS POLE
- SEE WSDOT STD. PLANS J-20.16-02 AND J-21.10-04



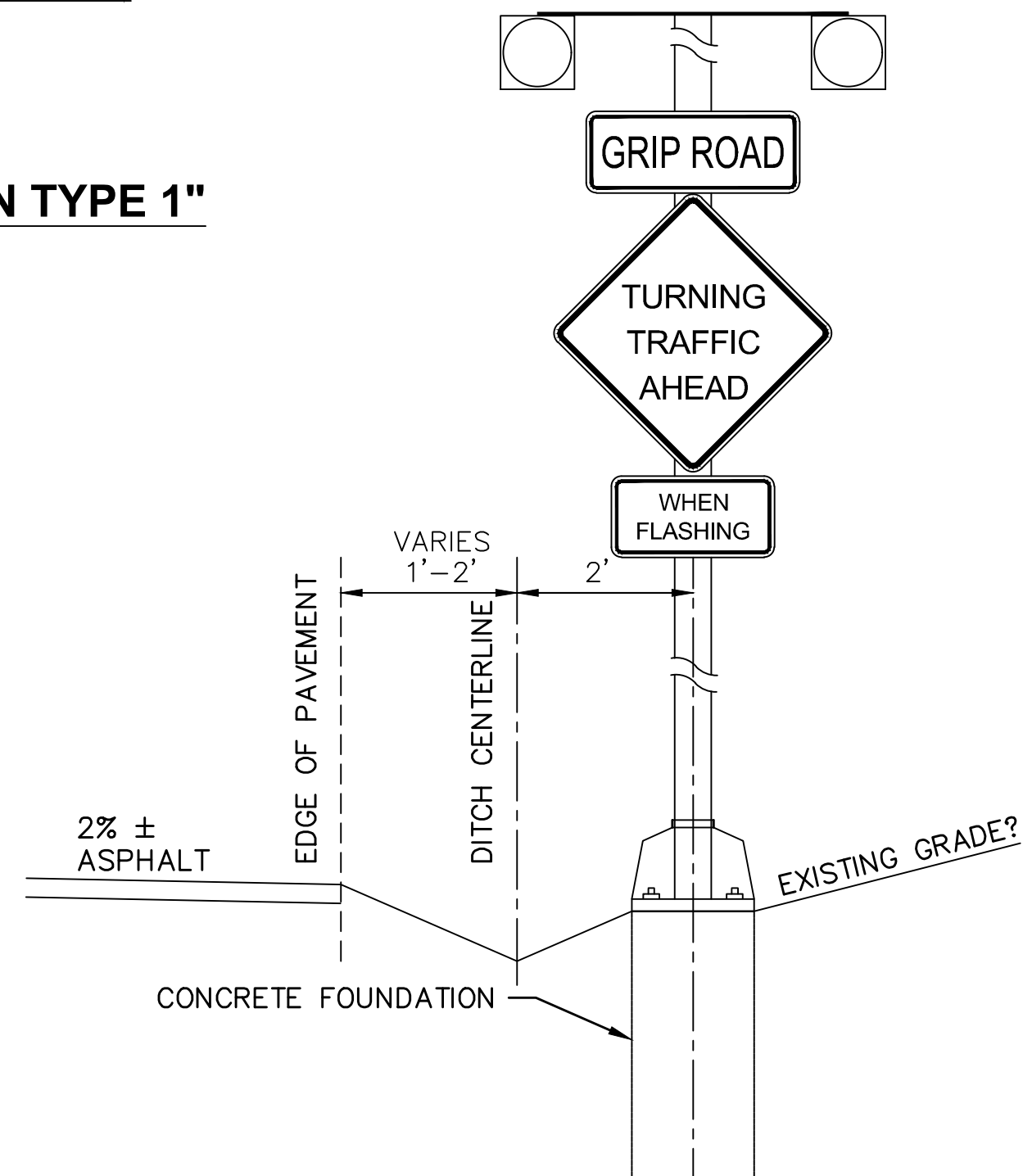
DETAIL "D"
"GUARDRAIL"

- NTS (TYP)
- SEE WSDOT STD. PLANS J-21.16-01 AND J-21.10-04



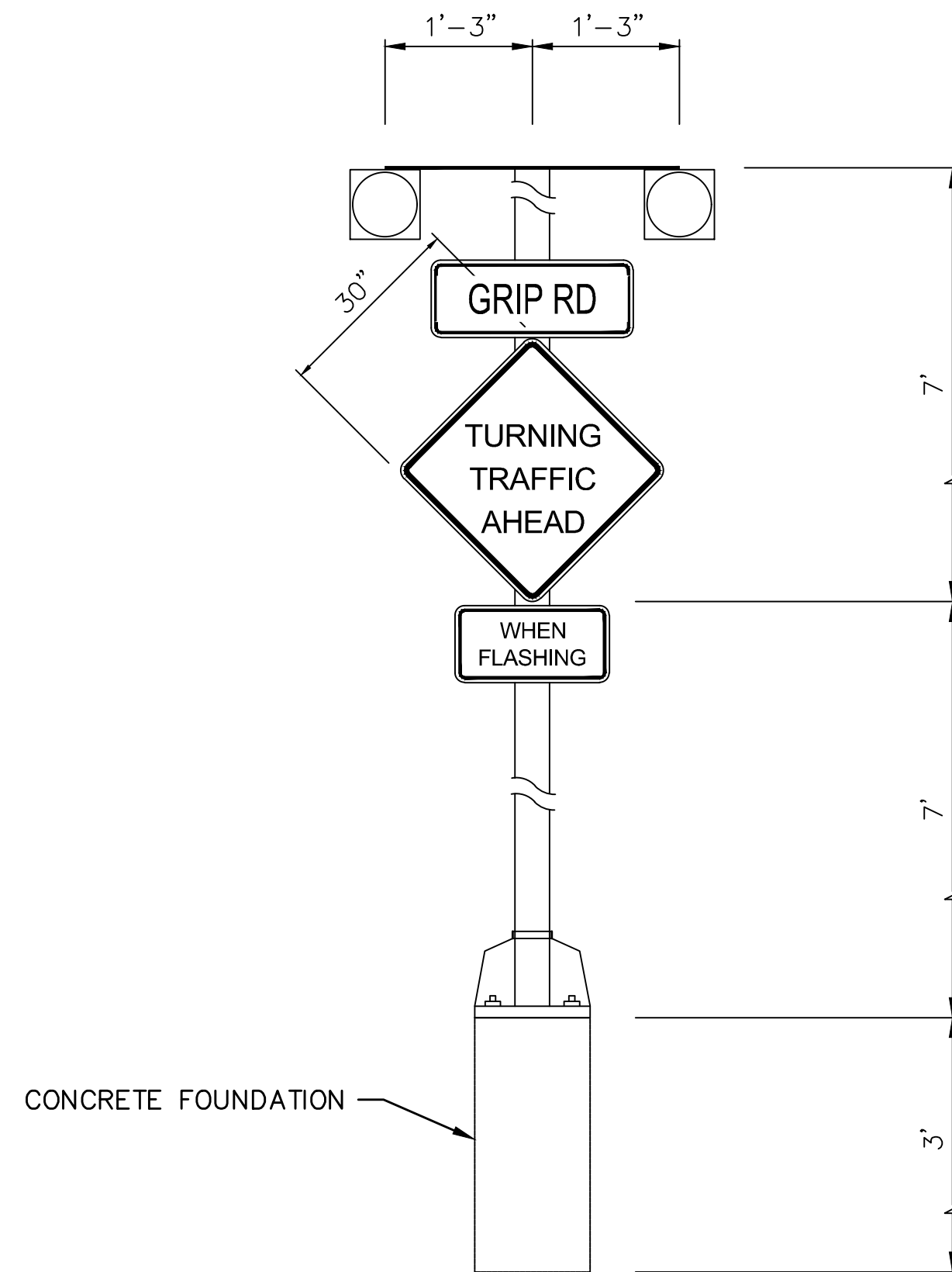
DETAIL "B"
"ALTERNATING FLASHING BEACON TYPE 1"

- (STA. 99+90.00, 18' LT)
NTS (TYP)
- SEE WSDOT STD. PLANS J-21.16-01 AND J-21.10-04



DETAIL "E"
"ALTERNATING FLASHING BEACON TYPE 1"

- (STA. 102+57.00, 19' LT)
NTS (TYP)
- SEE WSDOT STD. PLANS J-21.16-01 AND J-21.10-04

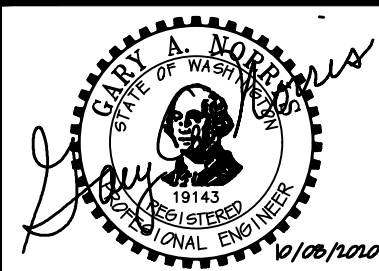


DETAIL "C"
"ALTERNATING FLASHING BEACON TYPE 1"

- (STA. 97+50, 20' RT)
NTS (TYP)
- SEE WSDOT STD. PLANS J-21.16-01 AND J-21.10-04

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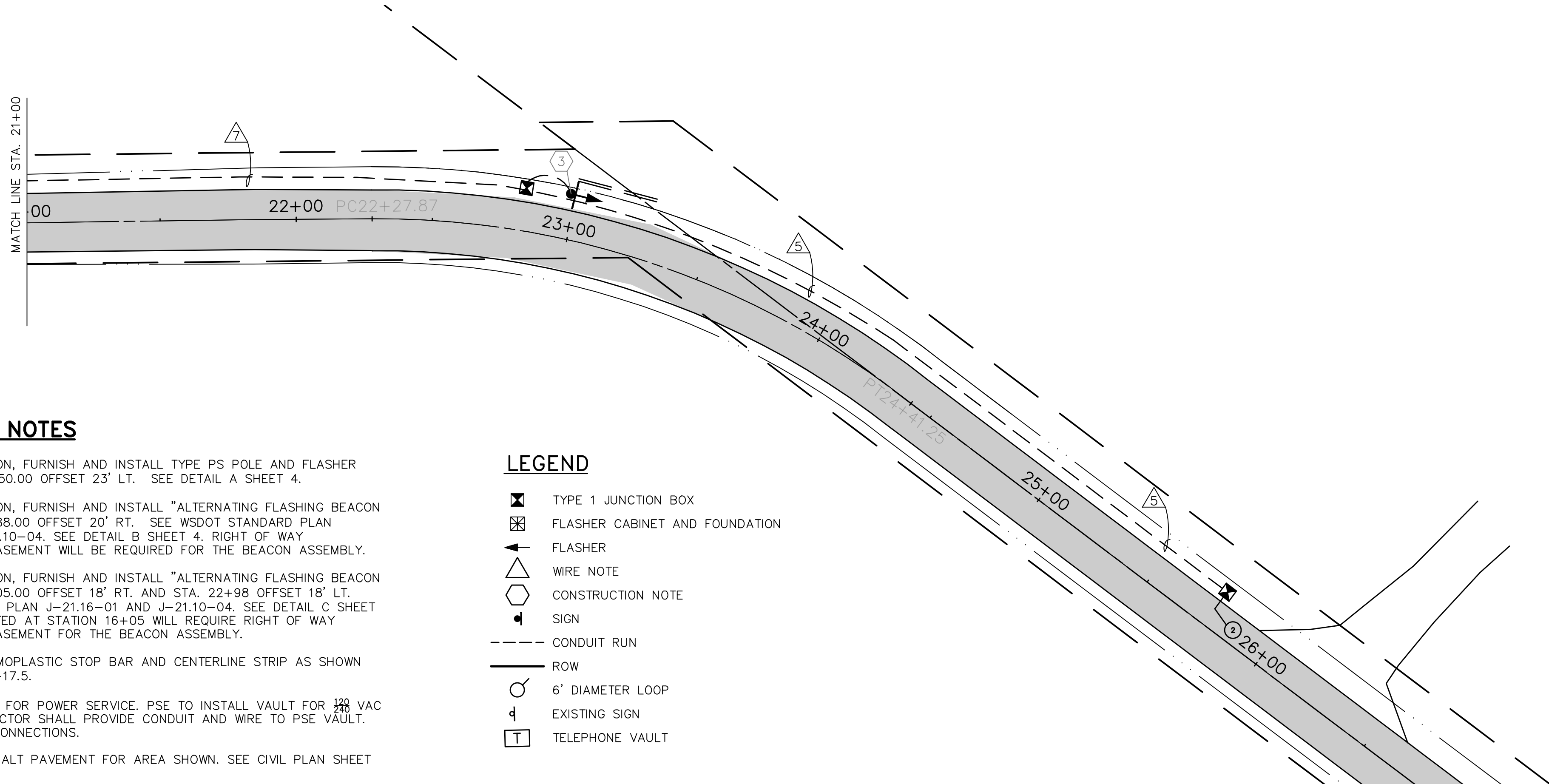
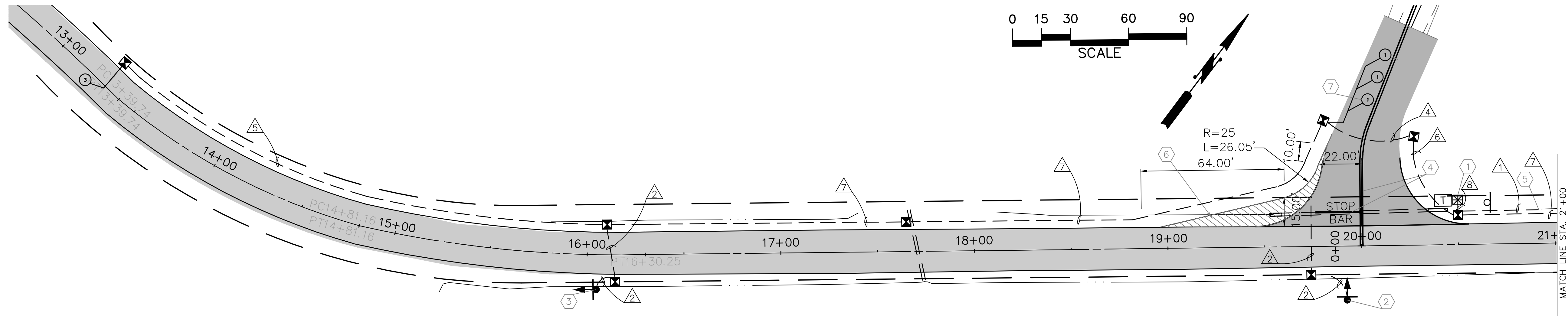
NO.	DATE	REVISION	BY	REV.

**PRAIRIE RD & GRIP RD
INTERSECTION TRAFFIC
IMPROVEMENTS**

SCALES:
HORIZONTAL : 1" = 50'
VERTICAL : N/A
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JOB NO.: 5166
SHEET: 2



LOOP SCHEDULE					
LOOP#	TYPE	STATION OFFSET	LOOP#	TYPE	STATION OFFSET
2	3A	25+85.00, 5' LT	1	3S	0+75.00, 5' LT
3	3A	13+20.00 5' RT			

NOTE:
STATION AND OFFSET REFERENCED TO THE LEADING LOOP CENTER
POINT FOR ALL TYPE 3S LOOPS.

WIRING SCHEDULE					
△ RUN NO.	CONDUIT RACEWAY	LOOP CABLE 2cs	FLASHER POWER #10	CABINET SERVICE #4	COMMENT
1	1.5"			3	120/240 VAC BY PSE
2	1.5"		3		SCH 80
3	1.5"		5		SCH 80
4	1.5"	2	5		
5	1.5"	1			
6	1.5"	2	5		
7	1.5"	1	3		
8	2"	3	5	3	

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT WSDOT/APWA STANDARD SPECIFICATIONS, SKAGIT COUNTY SPECIAL PROVISIONS, WSDOT STANDARD PLANS, AND THESE PLANS.
- FLASHING BEACON SHALL HAVE 12 INCH LENSE WITH LED LIGHT SOURCES.
- CONDUIT SHALL BE SCH 40 UNLESS UNDER PAVEMENT WHERE IT SHALL BE SCH 80. ALL CONDUIT SHALL HAVE 24 INCHES OF COVER.
- ALL VEHICLE DETECTION LOOPS SHALL BE WHERE SHOWN ON THE PLANS. SEE WSDOT STANDARD PLAN J-50.12-00.
- ALL JUNCTION BOX LOCATIONS AND CONDUIT RUNS ARE APPROXIMATE AND SHALL BE APPROVED BY ENGINEER BEFORE INSTALLATION.
- STOP BAR MATERIAL SHALL BE THERMOPLASTIC.
- FLASHER CABINET SHALL BE WESTERN SYSTEMS FC 160; MODEL #3000150005. BRACKETS ARE MODEL 3610015000.

CONSTRUCTION NOTES

- CONSTRUCT FOUNDATION, FURNISH AND INSTALL TYPE PS POLE AND FLASHER CABINET AT STA. 20+50.00 OFFSET 23' LT. SEE DETAIL A SHEET 4.
- CONSTRUCT FOUNDATION, FURNISH AND INSTALL "ALTERNATING FLASHING BEACON TYPE 1" AT STA. 19+88.00 OFFSET 20' RT. SEE WSDOT STANDARD PLAN J-21.16-01 AND J-21.10-04. SEE DETAIL B SHEET 4. RIGHT OF WAY ACQUISITION OR AN EASEMENT WILL BE REQUIRED FOR THE BEACON ASSEMBLY.
- CONSTRUCT FOUNDATION, FURNISH AND INSTALL "ALTERNATING FLASHING BEACON TYPE 1" AT STA. 16+05.00 OFFSET 18' RT. AND STA. 22+98 OFFSET 18' LT. SEE WSDOT STANDARD PLAN J-21.16-01 AND J-21.10-04. SEE DETAIL C SHEET 4. THE BEACON LOCATED AT STATION 16+05 WILL REQUIRE RIGHT OF WAY ACQUISITION OR AN EASEMENT FOR THE BEACON ASSEMBLY.
- INSTALL NEW 12" THERMOPLASTIC STOP BAR AND CENTERLINE STRIP AS SHOWN BEGINNING AT STA. 0+17.5.
- COORDINATE WITH PSE FOR POWER SERVICE. PSE TO INSTALL VAULT FOR 120 VAC SINGLE PHASE. CONTRACTOR SHALL PROVIDE CONDUIT AND WIRE TO PSE VAULT. PSE TO MAKE FINAL CONNECTIONS.
- CONSTRUCT NEW ASPHALT PAVEMENT FOR AREA SHOWN. SEE CIVIL PLAN SHEET FOR DETAILS.
- INSTALL NEW LOOPS BEFORE FINAL ASPHALT LIFT.

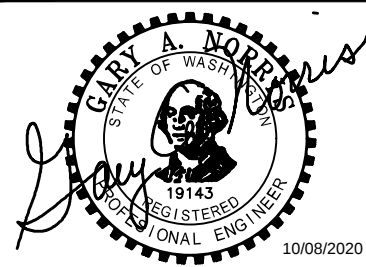
LEGEND

- TYPE 1 JUNCTION BOX
- FLASHER CABINET AND FOUNDATION
- FLASHER
- WIRE NOTE
- CONSTRUCTION NOTE
- SIGN
- CONDUIT RUN
- ROW
- 6' DIAMETER LOOP
- EXISTING SIGN
- TELEPHONE VAULT

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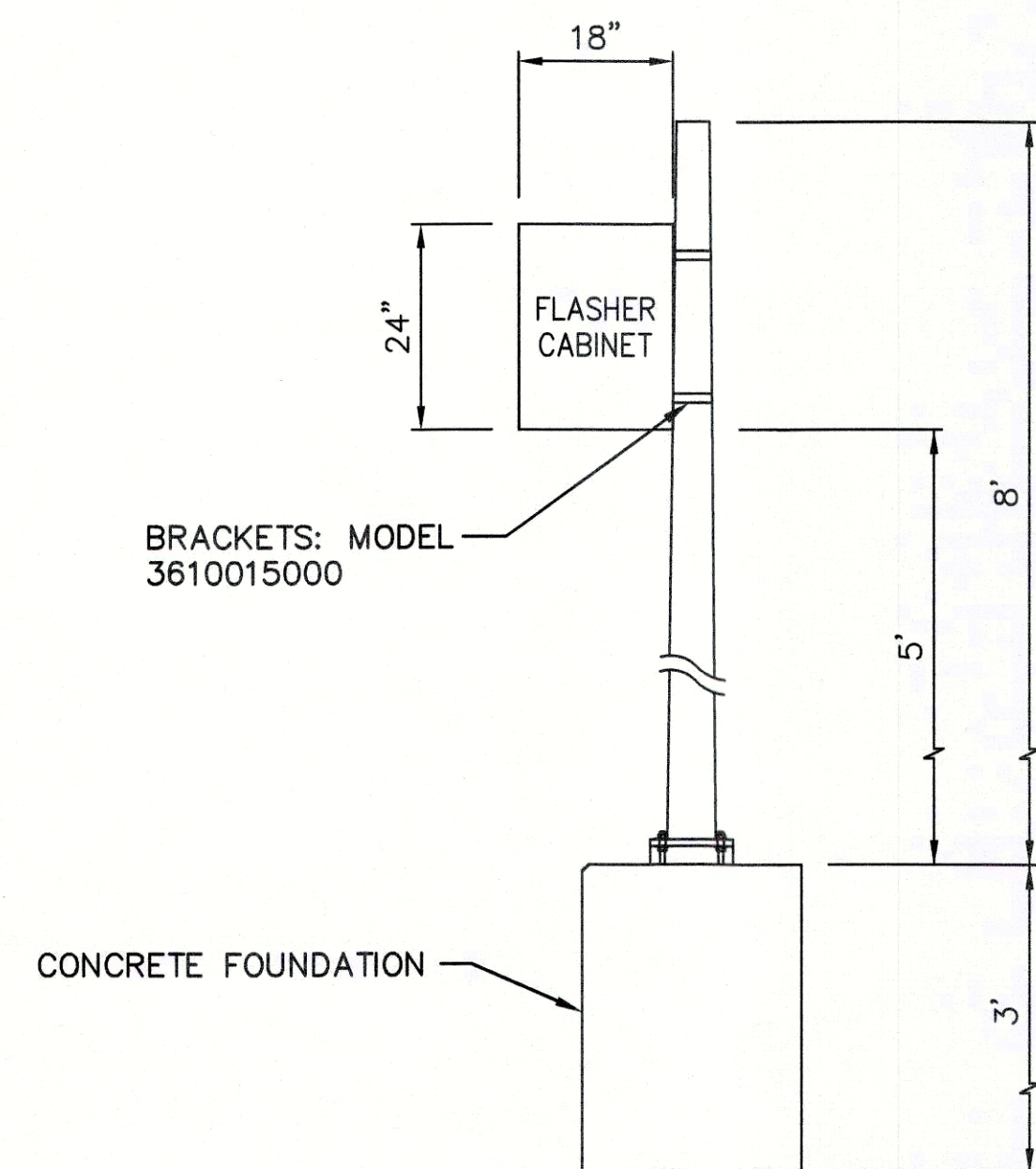
PRAIRIE RD & GRIP RD INTERSECTION TRAFFIC IMPROVEMENTS

SCALES:
HORIZONTAL: 1" = 30'
VERTICAL : N/A

NOTE: IF THIS SHEET IS LESS
THAN 22"x 34" THEN SHEET
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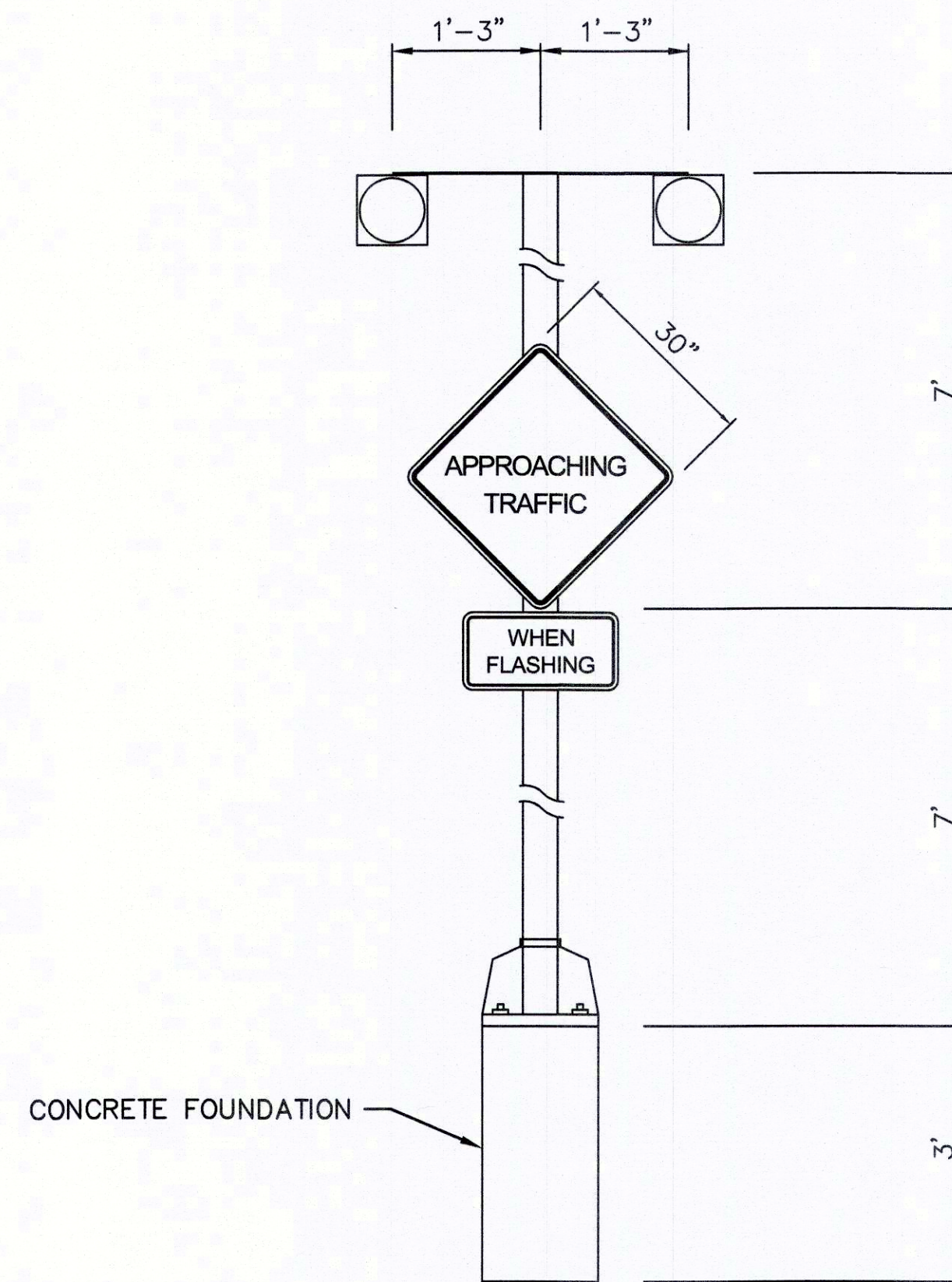
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JOB NO.: 5166
SHEET: 3



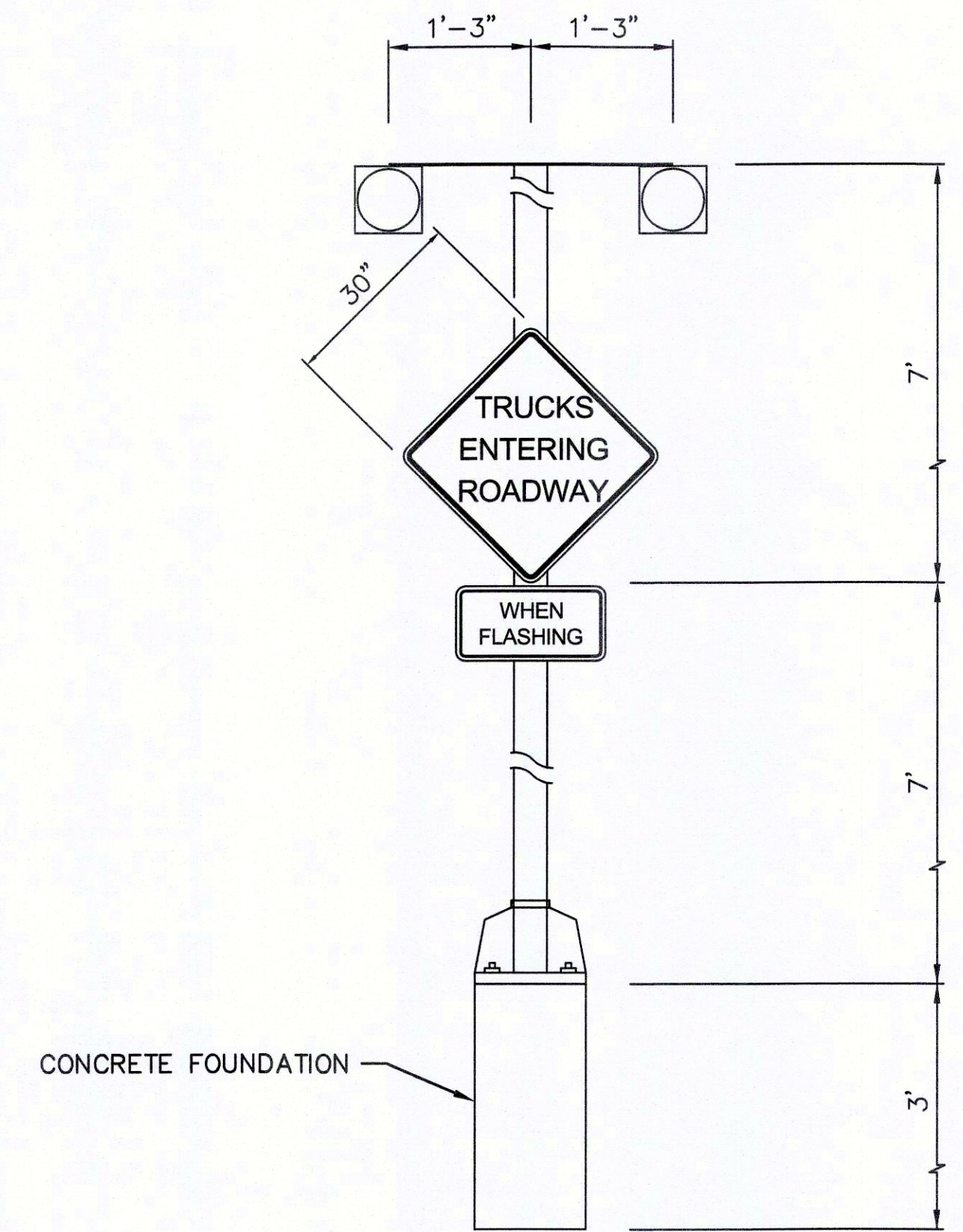
DETAIL "A"
(STA. 20+53, 23' LT)
 NTS (TYP)

- FLASHING CABINET 160 WESTERN SYSTEMS MODEL 3000150005
- TYPE PS POLE
- SEE WSDOT STD. PLANS J-20.16-02 AND J-21.10-04



DETAIL "B"
"ALTERNATING FLASHING BEACON TYPE 1"
(STA. 19+88.00, 20' RT)
 NTS (TYP)

- SEE WSDOT STD. PLANS J-21.16-01 AND J-21.10-04

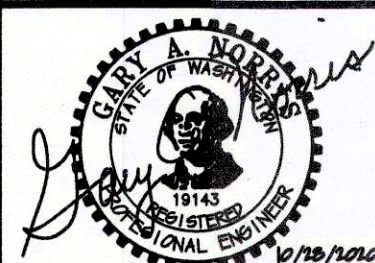


DETAIL "C"
"ALTERNATING FLASHING BEACON TYPE 1"
(STA. 16+05, 18' RT)
(STA. 22+98, 18' LT)
 NTS (TYP)

- SEE WSDOT STD. PLANS J-21.16-01 AND J-21.10-04

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SCALES:
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 VERTICAL: N/A
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 SKAGIT COUNTY, WASHINGTON

FIELD BK/Pg:
 DATE: 10/28/2020
 DRAWING: 5166FBD.DWG
 JOB NO.: 5166
 SHEET: 4