

GENERAL NOTES

1. PROVIDE ACCESS AND BARRICADING PER OSHA REQUIREMENTS.
2. THIS PLAN IS DESIGNED FOR PROTECTION OF WORKERS.
3. VERIFY THAT REQUIRED CLEARANCES ARE OBTAINED AND THAT THERE IS SUFFICIENT WORKING SPACE.
4. THIS PLAN IS IN ACCORDANCE WITH FEDERAL AND/OR STATE OSHA REGULATIONS, DESIGN BY A REGISTERED CIVIL ENGINEER.
5. THESE PLANS ARE NOT INTENDED TO SHOW THE METHOD AND MEANS OF EXCAVATION OF THE WORK, WHICH IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. PROVIDE A COMPETENT PERSON AT THE SITE WHERE THIS PLAN IS IN USE. THEY SHALL BE RESPONSIBLE MAKING SURE THAT ALL ELEMENTS OF THIS PLAN ARE ADHERED TO AND SHALL NOTIFY THE ENGINEER IF CONDITIONS ENCOUNTERED ARE DIFFERENT THAN ANTICIPATED AND SHOWN ON THIS PLAN. IF CONDITIONS ARE DIFFERENT, THIS PLAN MUST BE MODIFIED TO COVER THOSE CONDITIONS OR A NEW PLAN SHALL BE USED.

RANGER PIPELINES, INC.

1790 YOSEMITE AVENUE
SAN FRANCISCO, CA. 94124
PH: (415) 822-3700

**STEEL PLATE FALL RESTRAINT
AND ARREST PROTECTION PLAN
CALIFORNIA**

FALL PROTECTION PLAN

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STEEL REQUIREMENTS

- PROVIDE 1/2"Ø 6x19 OR 6x37 EIP STEEL, IWRC STEEL CABLE OR EQUIVALENT OR BETTER.
- STEEL POLE TO BE 6" SCH 80 OR EQUIVALENT OR BETTER.
- STEEL PLATES TO BE ASTM A36, MINIMUM Fy=36 KSI.
- STEEL PLATE DENSITY ASSUMED IN DESIGN IS 490 PCF.

WELDING REQUIREMENTS

- WELD IN ACCORDANCE W/ AWS D1.1. USE E70XX ELECTRODES.

REVISIONS	BY

STEEL PLATE FALL RESTRAINT
AND ARREST PROTECTION PLAN
CALIFORNIA
COVER PAGE

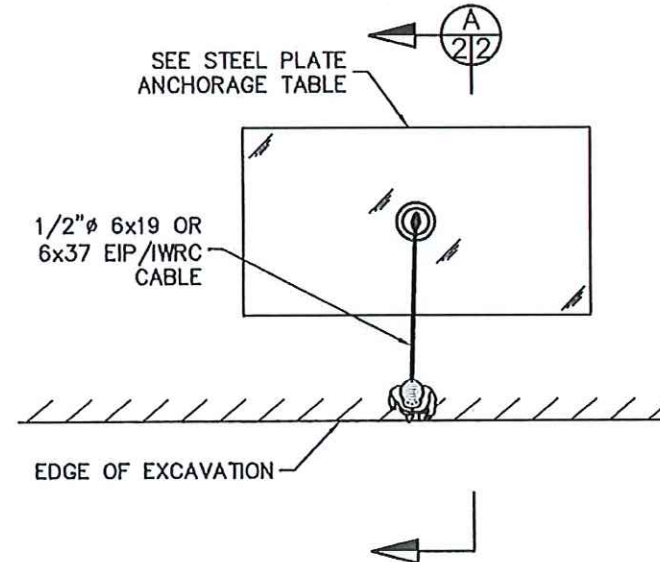
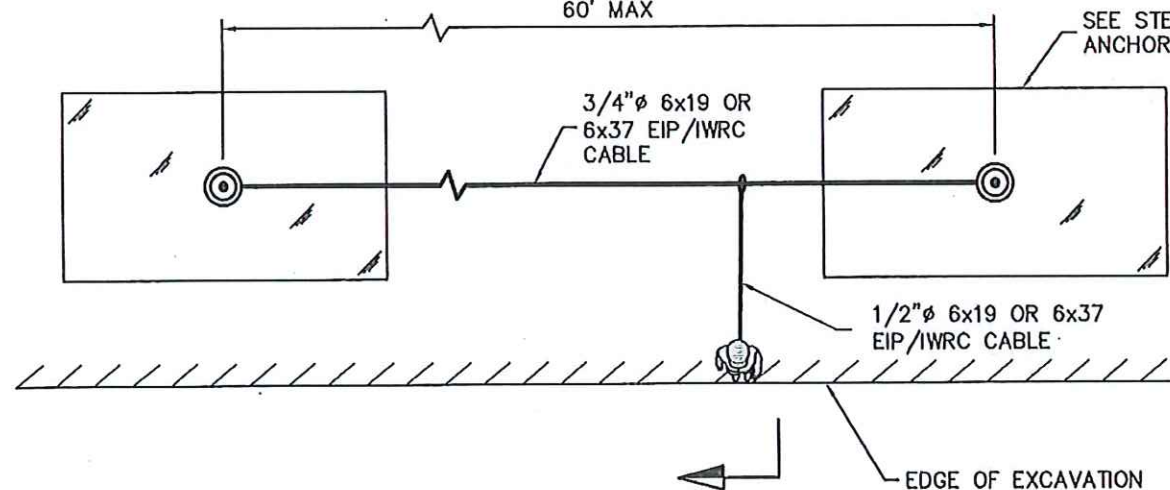
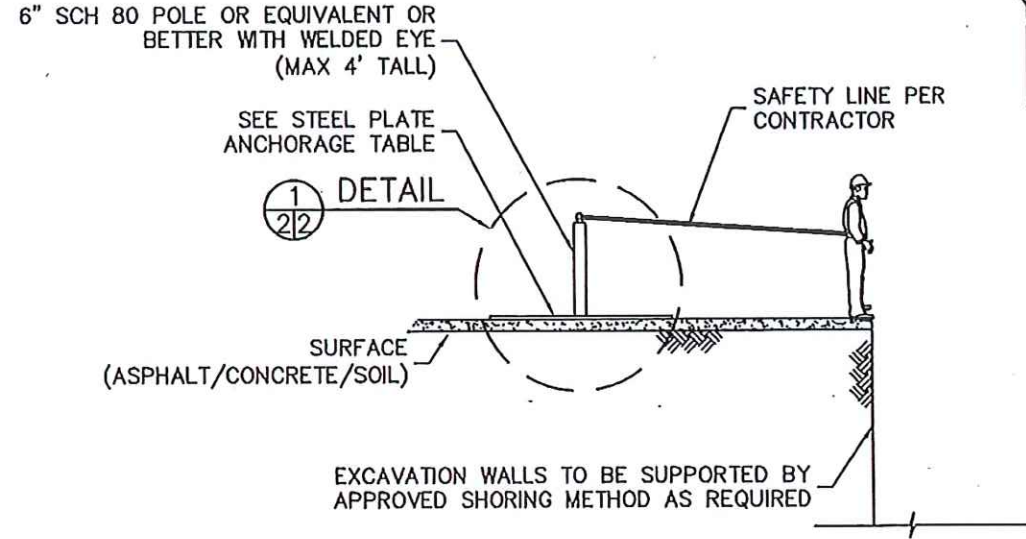
RANGER PIPELINES, INC.
1790 YOSEMITE AVENUE
SAN FRANCISCO, CA. 94124
PH: (415) 822-3700

J.M. TURNER ENGINEERING, INC.
CONSULTING ENGINEERS
1325 COLLEGE AVE., SANTA ROSA, CA. 95404
(707) 528-4303 FAX (707) 528-4305

SCALE: N.T.S.
DATE: 05/12/16
DRAWN BY: A.B.B.
CHECKED BY: A.J.V.
DRAWING NO: 14920-1/ S1
SHEET: 1 OF 2



STEEL PLATE FALL RESTRAINT AND ARREST PROTECTION PLAN CALIFORNIA




STEEL PLATE DEADMAN ANCHORAGE – <u>ARREST</u> SCENARIO				
SURFACE	COEFFICIENT OF SLIDING FRICTION	MINIMUM NO. OF STEEL PLATES	MINIMUM SIZE OF STEEL PLATES	TOTAL NUMBER OF WORKERS
ASPHALT	0.75	1	8'X20'X1.5"	1
		2	8'X15'X1"	1
CONCRETE	0.45	2	8'X15'X1.5"	1
		3	8'X15'X1"	1
SOIL	0.30	3	8'X15'X1.5"	1
		4	8'X16'X1"	1

STEEL PLATE DEADMAN ANCHORAGE – <u>RESTRAINT</u> SCENARIO				
SURFACE	COEFFICIENT OF SLIDING FRICTION	MINIMUM NO. OF STEEL PLATES	MINIMUM SIZE OF STEEL PLATES	TOTAL NUMBER OF WORKERS
ASPHALT	0.75	1	8'X12'X1"	4
CONCRETE	0.5	1	8'X12'X1"	4
SOIL	0.30	1	8'X12'X1"	3
		1	8'X15'X1"	4

REVISIONS B

STEEL PLATE FALL RESTRAINT
AND ARREST PROTECTION PLAN
CALIFORNIA
FALL RESTRAINT PLAN

STRANGER PIPELINES, INC.
1790 YOSEMITE AVENUE
SAN FRANCISCO, CA. 94124



J.J.M. TURNER ENGINEERING, INC.
CONSULTING ENGINEERS

1325 COLLEGE AVE., SANTA ROSA, CA. 95404
(707) 528-4503 FAX (707) 528-4505

SCALE:	N.T.S.
DATE:	05/12/16
DRAWN BY:	A.B.B.
CHECKED BY:	A.J.V.
DRAWING NO:	14920-1/S2
SHEET:	2 OF 2

5/13/16

0 4' 8' 1

SCALE: $1/8" = 1'-0"$