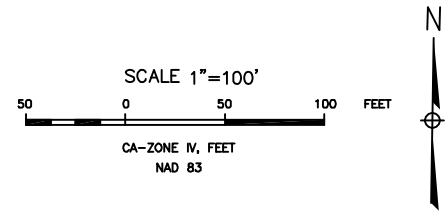
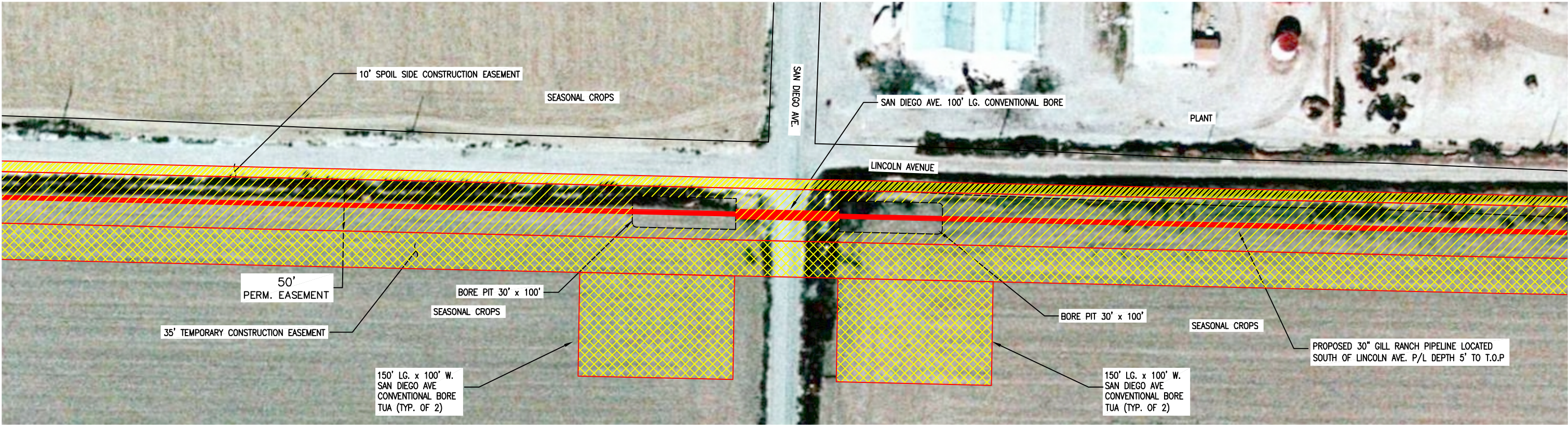


APPENDIX A.5

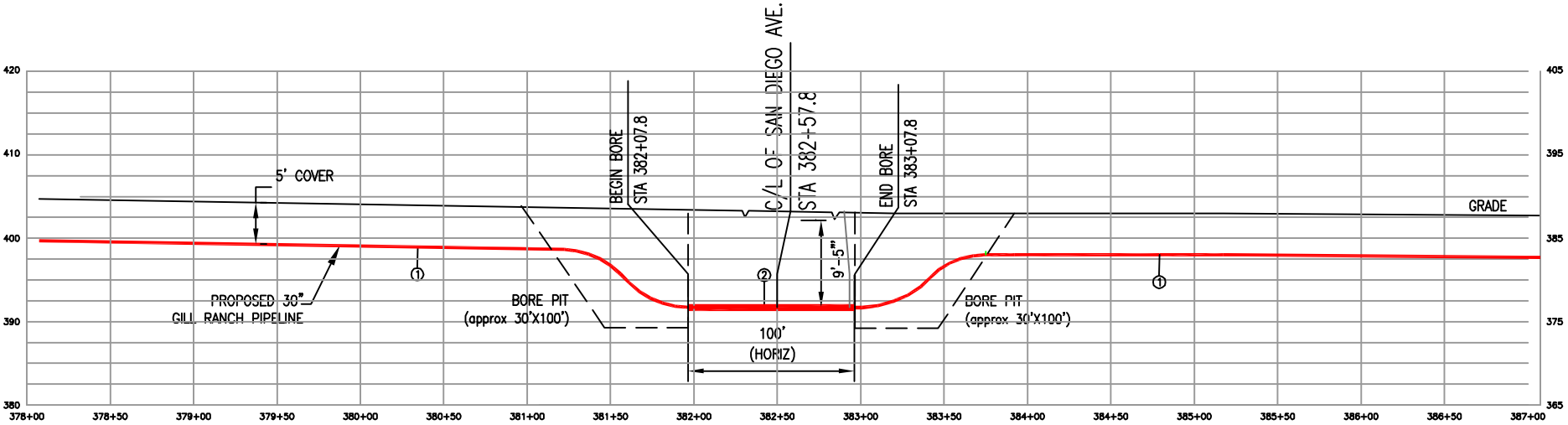
GAS PIPELINE CROSSING DETAILS



PLAN VIEW

SCALE 1" = 100' HORIZONTAL
REF. ALIGN. DWG.
12361-180C-001

- WORKING SIDE TEMP. CONSTRUCTION EASEMENT
- PERMANENT EASEMENT
- SPOIL SIDE TEMP. CONSTRUCTION EASEMENT



PROFILE VIEW

HORIZONTAL SCALE 1" = 100', VERTICAL SCALE 1" = 20'

PRELIMINARY
NOT FOR CONSTRUCTION
JUNE 5 2008
ForeRunner Corporation

SUMMARY

SUMMARY OF MATERIALS			SUMMARY OF MATERIALS			REFERENCE DRAWINGS			REVISIONS			ENGINEERING RECORD		
1	30" O.D. LINE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE											DRAWN	PJD	6/4/08
2	30" O.D. BORE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE AND 40 MILS THICK ABRASION RESISTANT TOP COAT	1000.0'										CHECKED	CFE	6/4/08
												CLIENT		
												PROJECT MGMT.		
												PROCESS		
												MECHANICAL		
												PIPING		
												STRUCTURAL		
												ELECTRICAL		
												I & C		
ITEM	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY	DWG. NO.	TITLE	REV.	DESCRIPTION	DATE	DATE	DATE	DATE	DATE
						12361-180C-003	30" PIPELINE ALIGNMENT	P2	ISSUE FOR PERMIT	6/4/08	6/4/08			
								P1	PRELIMINARY	4/11/08	4/11/08			

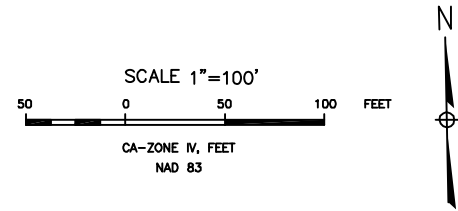
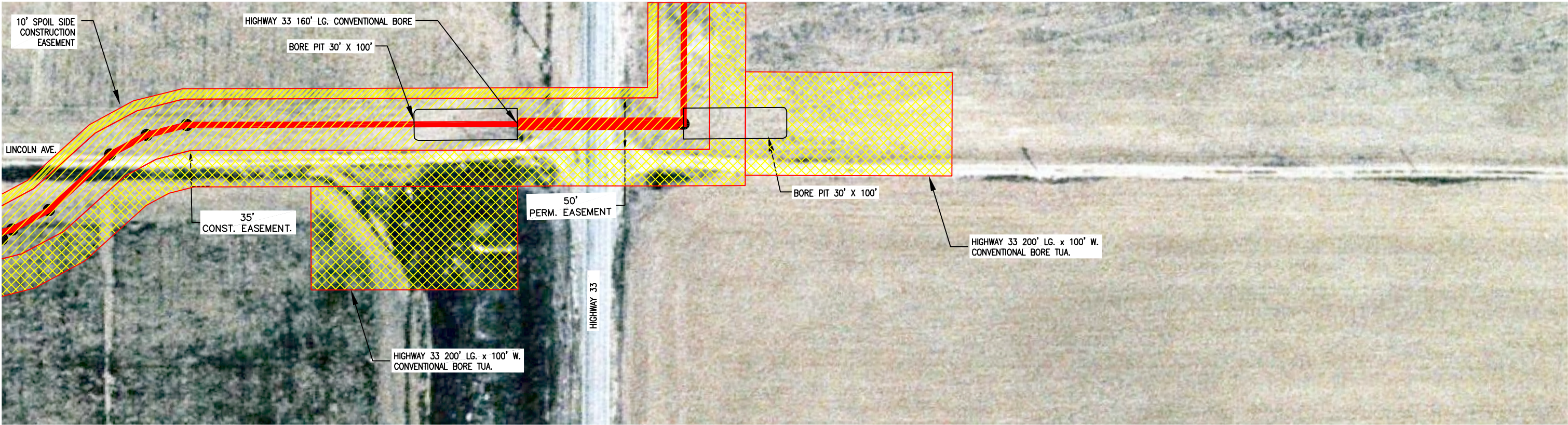
This document is the exclusive property of ForeRunner Corp. and/or client. It has not been published and is confidential in consideration of the client thereof. This document is NOT to be copied, reproduced, exhibited, loaned or otherwise published, disposed of, nor to be used for the purpose other than that for which it is specifically published without the written permission of ForeRunner Corp. and/or client, or to use the same in any way detrimental to ForeRunner Corp. and/or client.

FORERUNNER CORPORATION
2000 S. Washington Blvd., #200
Livermore, CA 94550
925-930-0888

GILL RANCH STORAGE

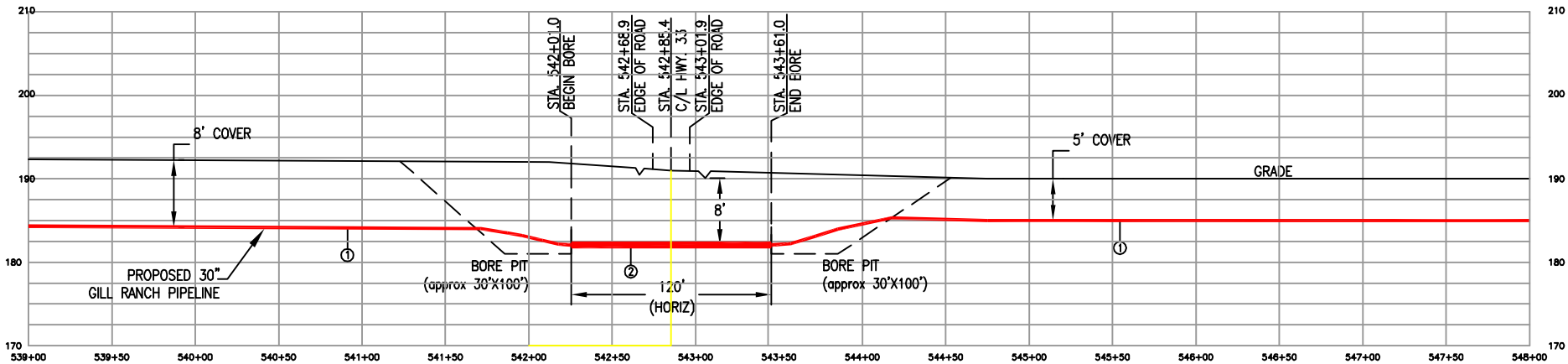
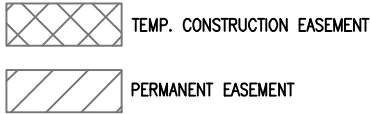
**GILL RANCH
30" PIPELINE ALIGNMENT
SAN DIEGO AVE
CONVENTIONAL BORE**

SCALE	PROJ. NO.	CITY/COUNTY, STATE	DWG. NO.	REV
AS NOTED	12361C	Modesto/Fresno Co., CA	12361-180C-102	P2



PLAN VIEW

SCALE 1" = 100' HORIZONTAL
REF. ALIGN. DWG.
12361-180C-005



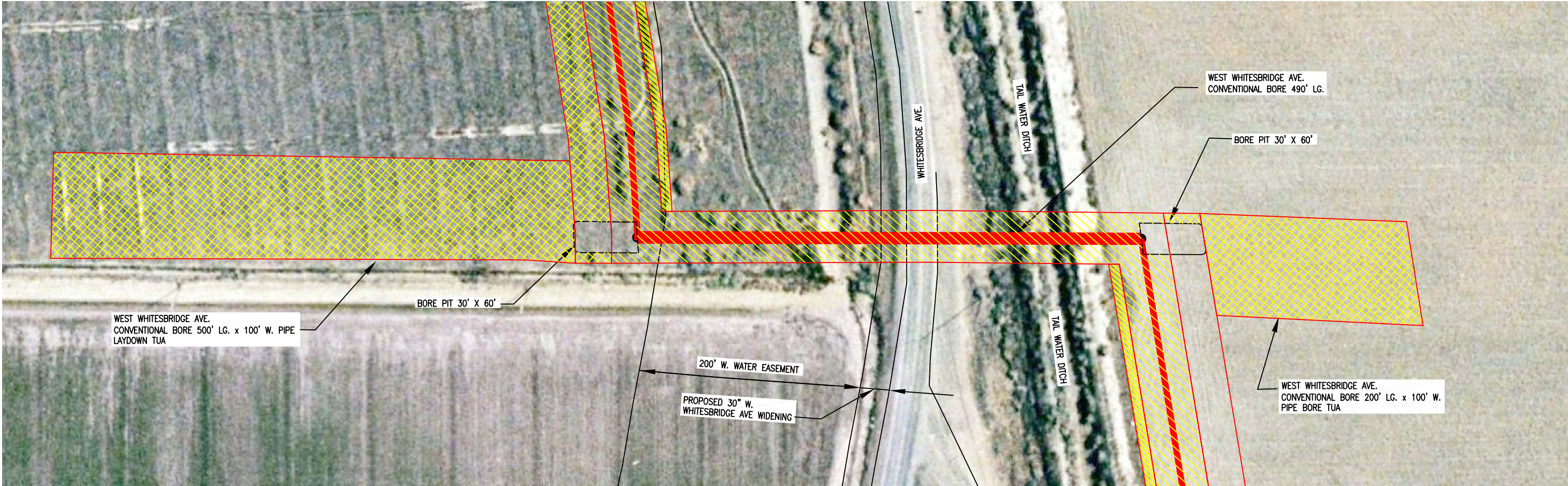
PROFILE VIEW

HORIZONTAL SCALE 1" = 100', VERTICAL SCALE 1" = 20'

PRELIMINARY
NOT FOR CONSTRUCTION
JUNE 5 2008
ForeRunner Corporation

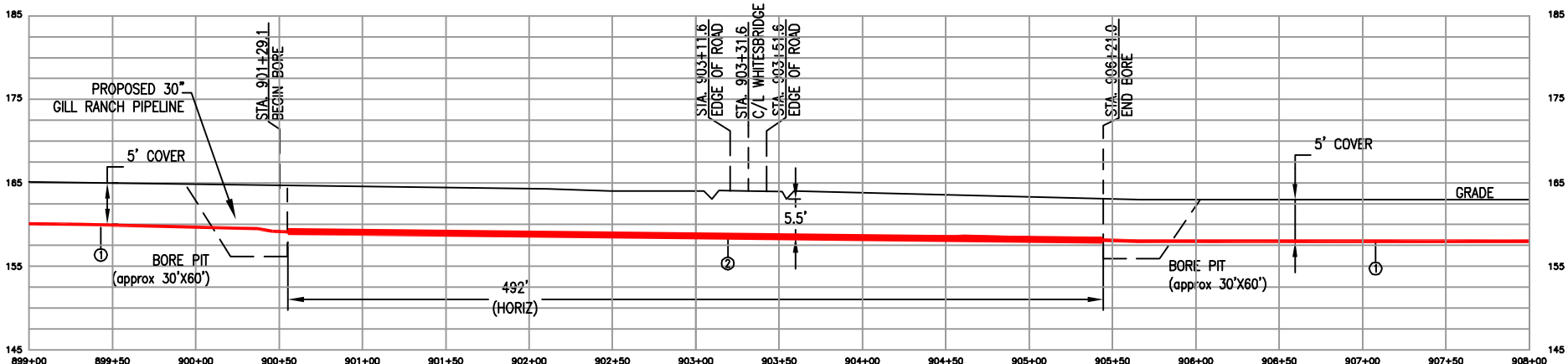
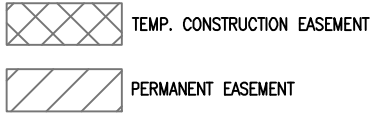
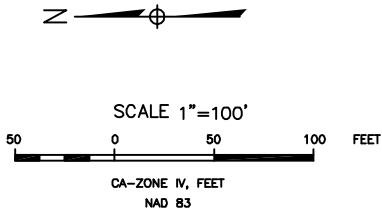
SUMMARY

SUMMARY OF MATERIALS			SUMMARY OF MATERIALS			REFERENCE DRAWINGS			REVISIONS				ENGINEERING RECORD			This document is the exclusive property of ForeRunner Corp. and/or client. It has not been published and is confidential in nature of the client thereof. This document is NOT to be copied, reprinted, exhibited, loaned or otherwise published, disposed of, nor to be used for the purpose other than that for which it is specifically published without the written permission of ForeRunner Corp. and/or client, or to use the same in any way detrimental to ForeRunner Corp. and/or client.  FORERUNNER CORPORATION 2000 S. WASHINGTON BLVD. #200 LANSING, MI 48205 800-500-0888	GILL RANCH STORAGE				
1	30" O.D. LINE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE													DRAWN	PJD		6/4/08	GILL RANCH 30" PIPELINE ALIGNMENT HIGHWAY 33 CONVENTIONAL BORE			
2	30" O.D. BORE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE AND 40 MILS THICK ABRASION RESISTANT TOP COAT	160.0'												CHECKED	CFE		6/4/08				
														CLIENT							
														PROJECT MGMT.							
														PROCESS							
								P4	ISSUE FOR PERMIT	PJD	6/4/08	CFE	6/4/08	MECHANICAL							
								P3	PRELIMINARY	PJD	4/11/08	CFE	4/11/08	PIPING							
								P2	PRELIMINARY	MP	2/27/08	CFE	2/27/08	STRUCTURAL							
						12361-180C-005	30" PIPELINE ALIGNMENT	P1	PRELIMINARY	MP	1/30/08	CFE	2/8/08	ELECTRICAL							
ITEM	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY	DWG. NO.	TITLE	REV.	DESCRIPTION	BY	DATE	CHK	DATE	APPR	DATE	I & C					
																	SCALE	PROJ. NO.	CITY/COUNTY, STATE	DWG. NO.	REV
																	AS NOTED	12361C	Modesto/Fresno Co., CA	12361-180C-103	P4



PLAN VIEW

SCALE 1" = 100' HORIZONTAL
REF. ALIGN. DWG.
12361-180C-007



PROFILE VIEW

HORIZONTAL SCALE 1" = 100', VERTICAL SCALE 1" = 20'

PRELIMINARY
NOT FOR CONSTRUCTION
JUNE 5 2008
ForeRunner Corporation

SUMMARY

SUMMARY OF MATERIALS			SUMMARY OF MATERIALS			REFERENCE DRAWINGS			REVISIONS						ENGINEERING RECORD		
1	30" O.D. LINE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE														DRAWN	PJD	6/4/08
2	30" O.D. BORE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE AND 40 MILS THICK ABRASION RESISTANT TOP COAT	490.0'													CHECKED	CFE	6/4/08
															CLIENT		
															PROJECT MGMT.		
															PROCESS		
															MECHANICAL		
								P3	ISSUE FOR PERMIT	PJD	6/4/08	CFE	6/4/08		PIPING		
								P2	PRELIMINARY	CFE	4/11/08	CFE	4/11/08		STRUCTURAL		
						12361-180C-007	30" PIPELINE ALIGNMENT		PRELIMINARY	MP	1/30/08	CFE	2/8/08		ELECTRICAL		
ITEM	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY	DWG. NO.	TITLE	REV.	DESCRIPTION	BY	DATE	CHK	DATE	APPR	DATE	I & C	

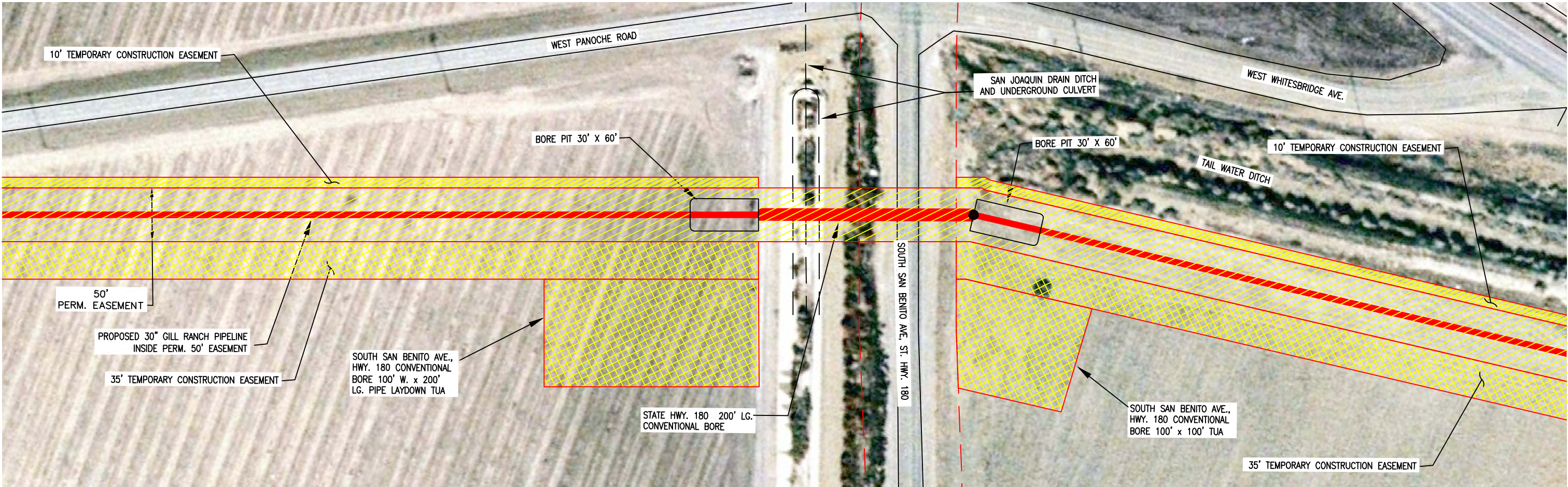
This document is the exclusive property of ForeRunner Corp. and/or client. It has not been published and is confidential in consideration of the client thereof. This document is NOT to be copied, reproduced, exhibited, loaned or otherwise published, disposed of, nor to be used for the purpose other than that for which it is specifically published without the written permission of ForeRunner Corp. and/or client, or to use the same in any way detrimental to ForeRunner Corp. and/or client.

FORERUNNER CORPORATION
2000 S. Washington Blvd., #200
Livermore, CA 94550
925-260-0888

GILL RANCH STORAGE

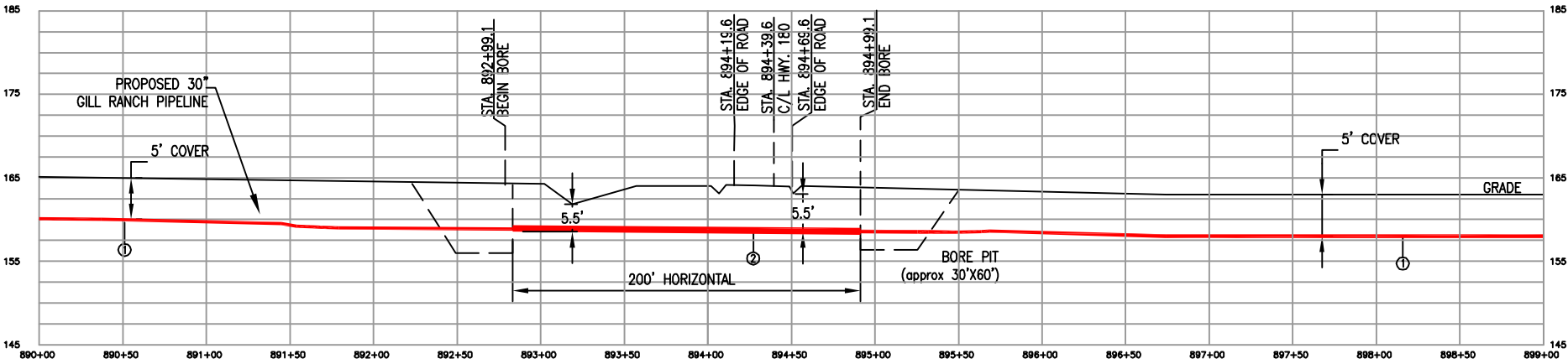
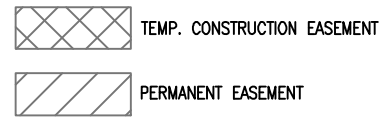
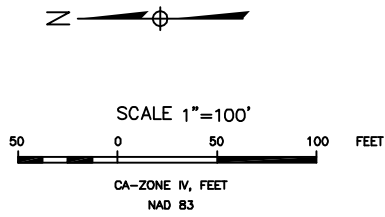
**GILL RANCH
30" PIPELINE ALIGNMENT
WHITESBRIDGE AVE.
CONVENTIONAL BORE**

SCALE	PROJ. NO.	CITY/COUNTY, STATE	DWG. NO.	REV
AS NOTED	12361C	Modesto/Fresno Co., CA	12361-180C-104	P3



PLAN VIEW

SCALE 1" = 100' HORIZONTAL
REF. ALIGN. DWG.
12361-180C-007



PROFILE VIEW

HORIZONTAL SCALE 1" = 100', VERTICAL SCALE 1" = 20'

PRELIMINARY
NOT FOR CONSTRUCTION
JUNE 5 2008
ForeRunner Corporation

SUMMARY

SUMMARY OF MATERIALS			SUMMARY OF MATERIALS			REFERENCE DRAWINGS			REVISIONS					ENGINEERING RECORD		
1	30" O.D. LINE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE													DRAWN	PJD	6/4/08
2	30" O.D. BORE PIPE x 0.506" W.T., API 5L X70, W/ 14-16 MILS FBE													CHECKED	CFE	6/4/08
	AND 40 MILS THICK ABRASION RESISTANT TOP COAT	490.0'												CLIENT		
														PROJECT MGMT.		
														PROCESS		
								P3	ISSUE FOR PERMIT	PJD	6/4/08	CFE	6/4/08	MECHANICAL		
								P2	PRELIMINARY	CFE	4/11/08	CFE	4/11/08	PIPING		
						12361-180C-007	30" PIPELINE ALIGNMENT	P1	PRELIMINARY	MP	1/30/08	CFE	2/8/08	STRUCTURAL		
ITEM	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY	DWG. NO.	TITLE	REV.	DESCRIPTION	BY	DATE	CHK	DATE	APPR	DATE	I & C

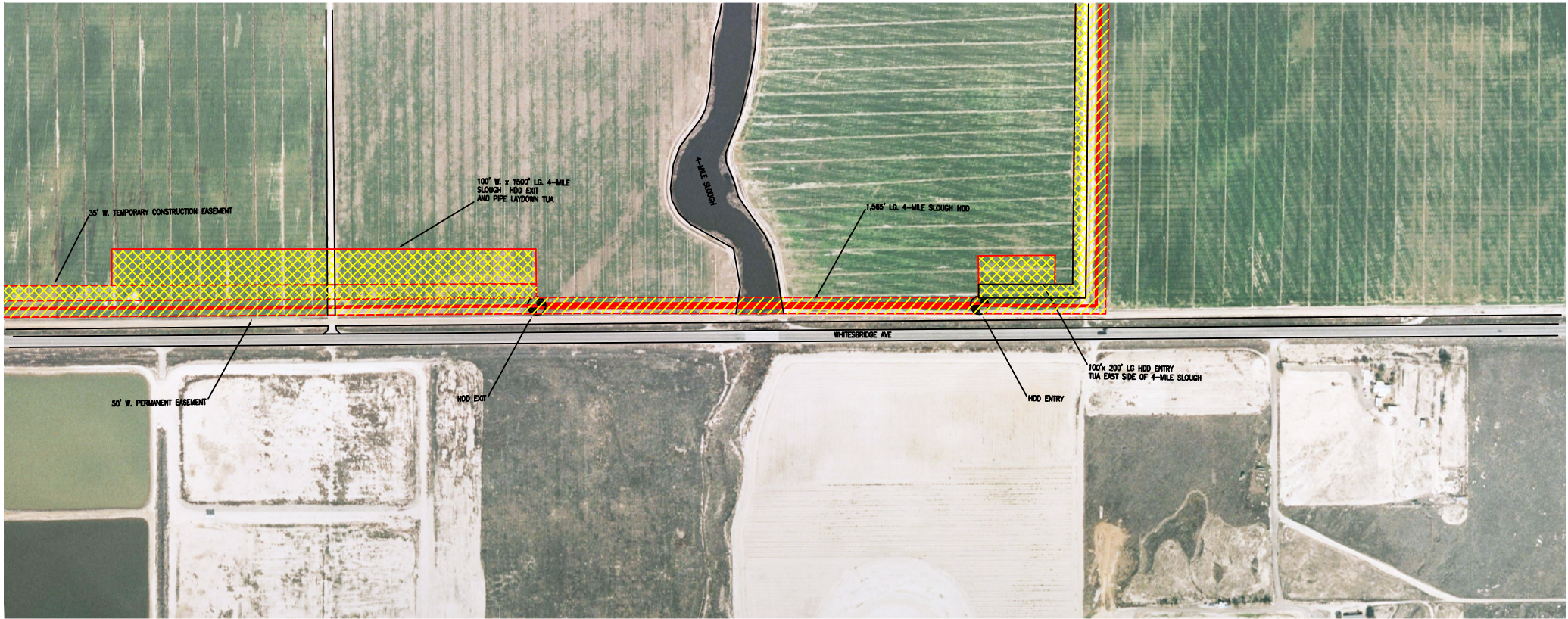
This document is the exclusive property of ForeRunner Corp. and/or client. It has not been published and is confidential in consideration of the client thereof. This document is NOT to be copied, reproduced, exhibited, loaned or otherwise published, disposed of, nor to be used for the purpose other than that for which it is specifically published without the written permission of ForeRunner Corp. and/or client, or to use the same in any way detrimental to ForeRunner Corp. and/or client.

FORERUNNER CORPORATION
2000 S. Washington Blvd., #200
Livermore, CA 94550
925-930-0888

GILL RANCH STORAGE

**GILL RANCH
30" PIPELINE ALIGNMENT
HWY. 180, SO. SAN BENITO AVE
CONVENTIONAL BORE**

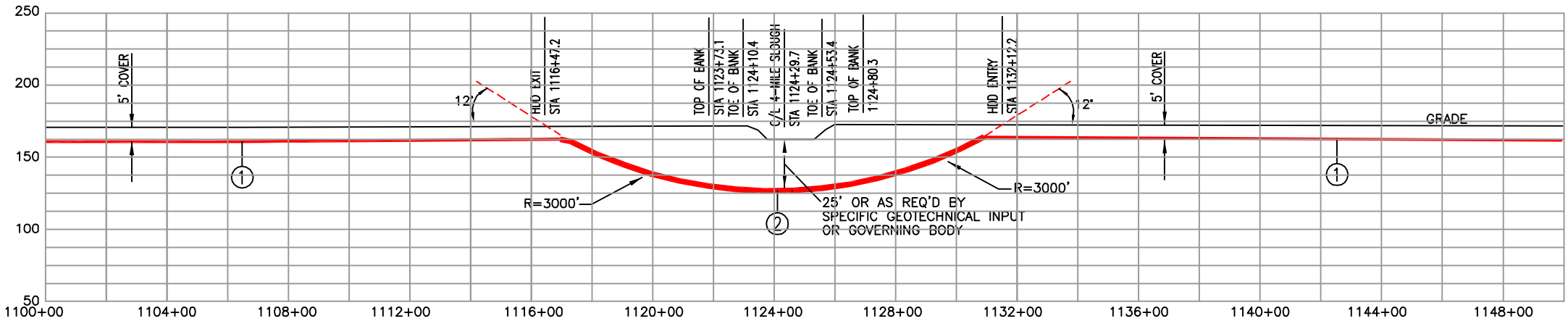
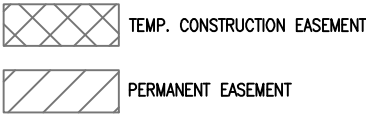
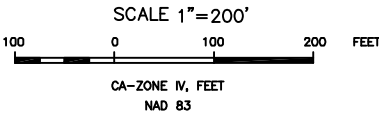
SCALE	PROJ. NO.	CITY/COUNTY, STATE	DWG. NO.	REV
AS NOTED	12361C	Modesto/Fresno Co., CA	12361-180C-105	P3



PLAN VIEW

SCALE 1" = 200' HORIZONTAL

REF. ALIGN. DWG.
12361-180C-011



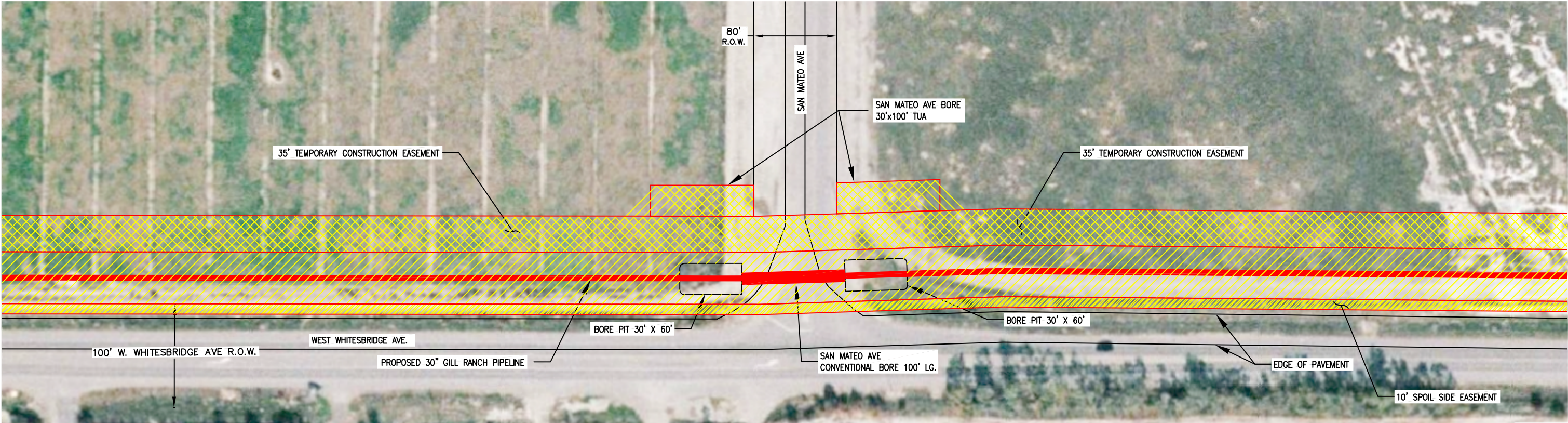
PROFILE VIEW

HORIZONTAL SCALE 1" = 200', VERTICAL SCALE 1" = 100'

PRELIMINARY
NOT FOR CONSTRUCTION
APRIL 11 2008
ForeRunner Corporation

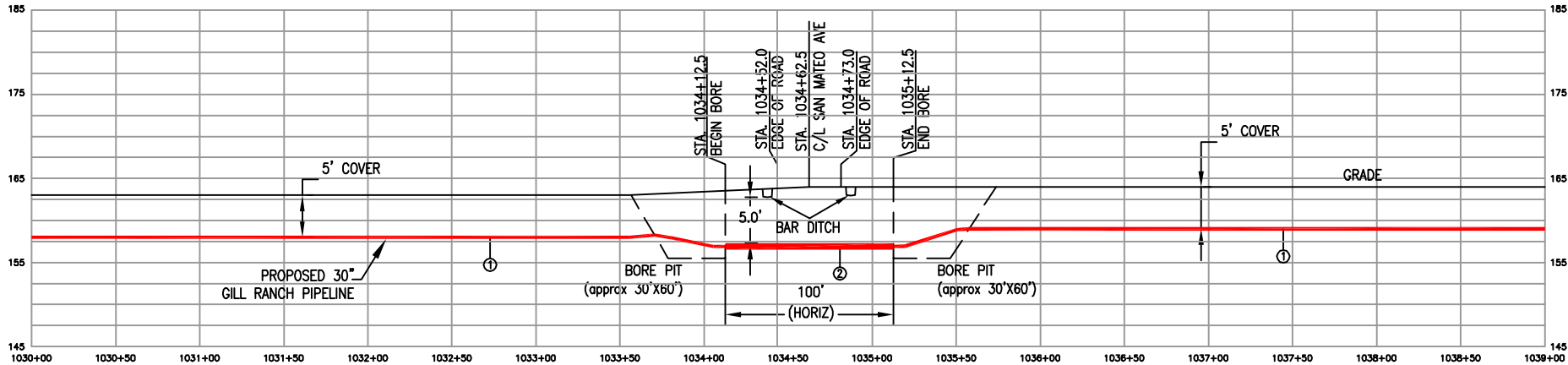
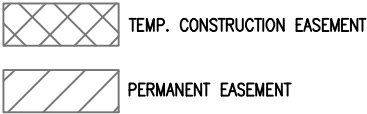
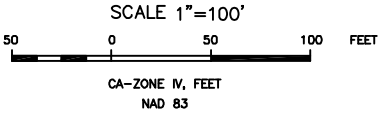
SUMMARY

SUMMARY OF MATERIALS			SUMMARY OF MATERIALS			REFERENCE DRAWINGS			REVISIONS			ENGINEERING RECORD			FORE RUNNER CORPORATION 2000 S. WASHINGTON BLVD. #200 LAUREL, MD 20646 800-500-0888	GILL RANCH STORAGE
1	30" O.D. LINE PIPE x 0.505" W.T., API 5L X70, W/ 14-16 MILS FBE	-										DRAWN	MP	1/30/08		
2	30" O.D. BORE PIPE x 0.505" W.T., API 5L X70, W/ 14-16 MILS FBE AND 40 MILS THICK ABRASION RESISTANT TOP COAT	1,585'										CHECKED	CFE	2/08/08		
												CLIENT				
												PROJECT MGMT.				
												PROCESS				
												MECHANICAL				
												PIPING				
												STRUCTURAL				
												ELECTRICAL				
												I & C				
ITEM	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY	DWG. NO.	TITLE	REV.	DESCRIPTION	DATE	DATE	DATE	DATE	DATE	DATE	REV
						12361-180C-010	30" PIPELINE ALIGNMENT	P1	PRELIMINARY	4/11/08	4/11/08				12361-180C-107	P1



PLAN VIEW

SCALE 1" = 100' HORIZONTAL
REF. ALIGN. DWG.
12361-180C-008



PROFILE VIEW

HORIZONTAL SCALE 1" = 100', VERTICAL SCALE 1" = 20'

PRELIMINARY
NOT FOR CONSTRUCTION
April 11 2008
ForeRunner Corporation

SUMMARY

SUMMARY OF MATERIALS			SUMMARY OF MATERIALS			REFERENCE DRAWINGS			REVISIONS			ENGINEERING RECORD		
1	30" O.D. LINE PIPE x 0.505" W.T., API 5L X70, W/ 14-16 MILS FBE											DRAWN	MP	1/30/08
2	30" O.D. BORE PIPE x 0.505" W.T., API 5L X70, W/ 14-16 MILS FBE AND 40 MILS THICK ABRASION RESISTANT TOP COAT	1000.0'										CHECKED	CE	2/8/08
												CLIENT		
												PROJECT MGMT.		
												PROCESS		
												MECHANICAL		
												PIPING		
												STRUCTURAL		
												ELECTRICAL		
												I & C		
ITEM	DESCRIPTION	QUANTITY	ITEM	DESCRIPTION	QUANTITY	DWG. NO.	TITLE	REV.	DESCRIPTION	DATE	DATE	DATE	DATE	DATE
						12361-180C-008	30" PIPELINE ALIGNMENT	P3	PRELIMINARY	CE	4/11/08	CFE	4/11/08	
								P2	PRELIMINARY	MP	2/27/08	CFE	2/27/08	
								P1	PRELIMINARY	MP	1/30/08	CFE	2/8/08	

This document is the exclusive property of ForeRunner Corp. and/or client. It has not been published and is confidential in consideration of the client thereof. This document is NOT to be copied, reproduced, exhibited, loaned or otherwise published, disposed of, nor to be used for the purpose other than that for which it is specifically published without the written permission of ForeRunner Corp. and/or client, or to use the same in any way detrimental to ForeRunner Corp. and/or client.

FORERUNNER CORPORATION
2000 S. Washington Blvd., #200
Livermore, CA 94550
925-933-0888

GILL RANCH STORAGE

**GILL RANCH
30" PIPELINE ALIGNMENT
SAN MATEO AVE
CONVENTIONAL BORE**

SCALE	PROJ. NO.	CITY/COUNTY, STATE	DWG. NO.	REV
AS NOTED	12361C	Madera/Fresno co., CA	12361-180C-108	P3

