

ROAD NO.	JOB NO.	SHEET NO.	TOTAL SHEETS
-	320026	1	4

**COUNTY OF SAN LUIS OBISPO, CALIFORNIA
PUBLIC WORKS DEPARTMENT
UTILITIES DIVISION**

INDEX OF SHEETS

1. TITLE SHEET
2. PLAN AND PROFILE
3. PLAN AND PROFILE
4. DETAILS

UTILITY CONTACTS

COMPANY	CONTACT	PHONE NUMBER
ATT/SBC/PAC BELL	MANNY REYES	(805) 546-7447
THE GAS CO.	CLAUDIA TURNER	(805) 681-8024
PGE	CLAIRE MASTIN	(805) 546-3887
SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT/ UMAN	JEFF GUY	(805) 596-4105

**PLANS FOR THE CONSTRUCTION OF
WATERLINE IMPROVEMENTS ALONG
KANSAS AVENUE FOR COUNTY JAIL
EXPANSION**

County Contract No. 320026

*To Be Supplemented By State Standard Plans Dated May, 2006
And Amendments To The State Standard Plans*

APPROVED: April 7, 2011

Dave Flynn
DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING SERVICES
R.C.E. 43933 (Exp. 6-31-2011)

APPROVED: 3.30.2011, 2011

[Signature]
UTILITIES DIVISION MANAGER
R.C.E. 37892 (Exp. 3-31-2011)

LICENSE REQUIREMENTS

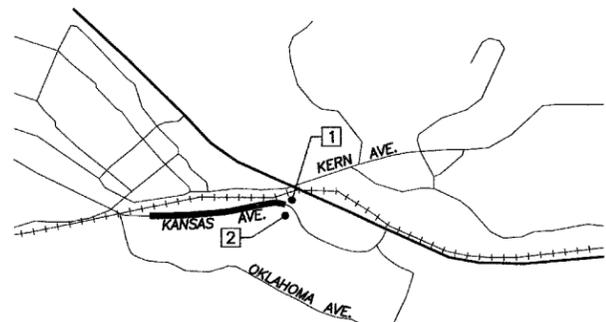
The successful bidder shall possess a Class A general engineering contractor's license at the time this contract is awarded. In the alternative, the successful bidder shall possess a specialty contractor's license at the time this contract is awarded that permits the successful bidder to perform with his or her own organization contract work amounting to not less than 30% of the original total contract price and to subcontract the remaining work in accordance with Section 8-1.01, "Subcontracting," of the Standard Specifications.

BASIS OF BEARING

THE SOUTHWESTERLY RIGHT OF WAY OF STATE HWY. 1 BETWEEN FOUND MONUMENTS Δ AND Δ BEING SHOWN AS N 66°43'41" W PER 78 LS 51.

SPECIAL NOTES

1. ATTENTION IS DIRECTED TO SECTION 10-1.04 "ORDER OF WORK" OF THE SPECIAL PROVISIONS REGARDING RESTRICTIONS ON INTERRUPTION OF WATER AND FIRE SERVICES.
2. ATTENTION IS DIRECTED TO SECTION 10-1.25 "OBSTRUCTIONS" REGARDING THE VERTICAL AND HORIZONTAL UTILITY SEPARATION CRITERIA FOR NEW WATER MAIN CROSSING UNDERGROUND EXISTING SEWER, STORM DRAIN, OR HAZARDOUS FLUIDS SUCH AS FUEL FACILITIES.
3. ATTENTION IS DIRECTED TO SECTION 10-1.04 "ORDER OF WORK" REGARDING THE CONTRACTOR'S RESPONSIBILITY TO ENSURE POSITIVE GRADE FOR THE NEW WATERLINE. THE CONTRACTOR SHALL BE RESPONSIBLE TO POTHOLE AND VERIFY THE ALIGNMENT OF THE NEW WATERLINE SHOWN ON THE PLANS PRIOR TO CONSTRUCTION.
4. TRENCH DETAIL FOR PAVED AND NON-PAVED AREAS SHALL CONFORM TO THE COUNTY STANDARD DRAWINGS U-4 AND U-4a.
5. SEE PLANS FOR ADDITIONAL CONSTRUCTION NOTES.

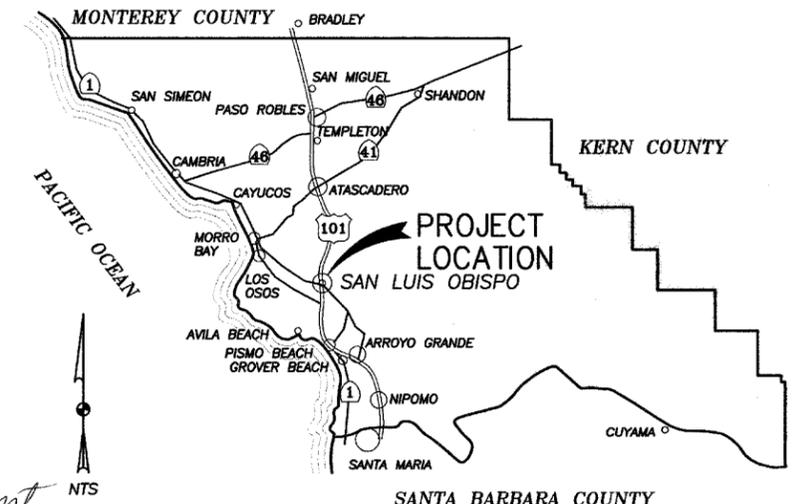
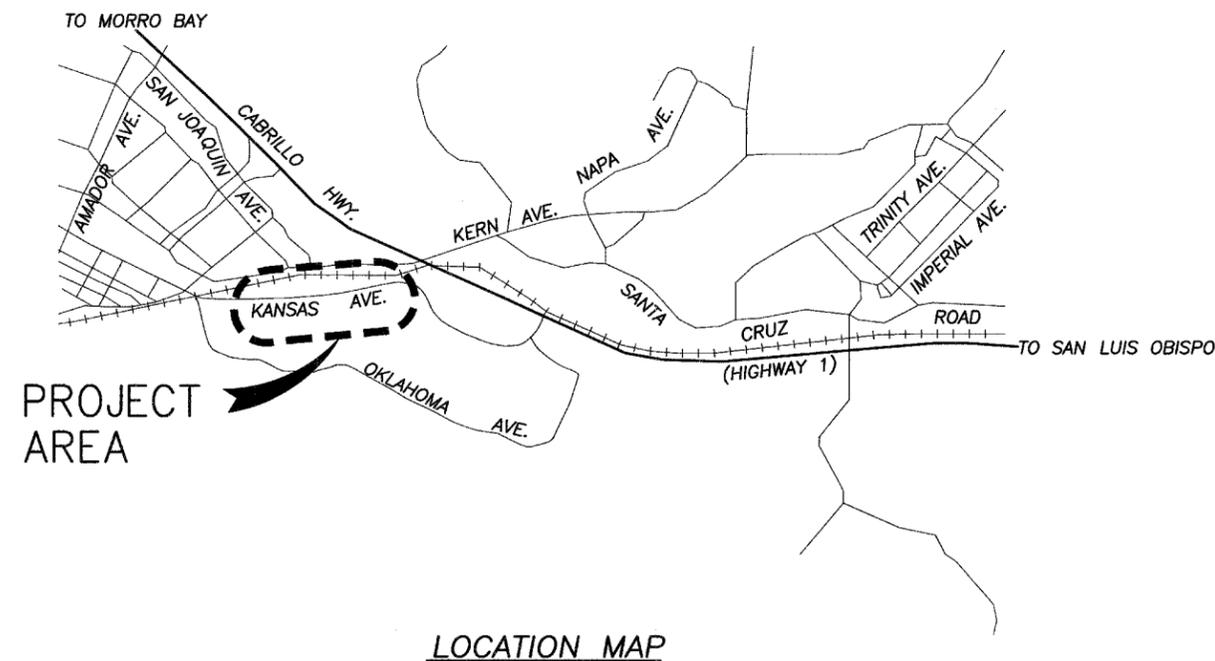


LEGEND

No.	Type	Size	Message	Quantity
1	C18	48"x48"	"ROAD CONSTRUCTION AHEAD"	1
2	C13	60"x24"	"END CONSTRUCTION"	1

NOTES:
All Signs Shall Be Stationary Mounted on 4x4 Wood Posts, Unless Noted Otherwise or as directed by the Engineer.
All Construction Signs Shall be Placed Approximately 4' off the Edge of Roadway, the Exact Location and Position of Signs Shall be Determined by the Engineer.

CONSTRUCTION AREA SIGN PLAN
NO SCALE



[Signature]
REGISTERED PROFESSIONAL ENGINEER
JEFF B. WERST
C. 47971
EXP. 12-31-11
CIVIL
STATE OF CALIFORNIA
4/5/11

KANSAS AVENUE WATERLINE - S.L.O. COUNTY OPERATIONS CENTER					
TITLE SHEET					
SAN LUIS OBISPO COUNTY, CA.					
Designer	Date	Drawn By	Date	Design Engineer	Date
J. WERST	3/2011	R.PIZA	3/2011	J. WERST	3/2011

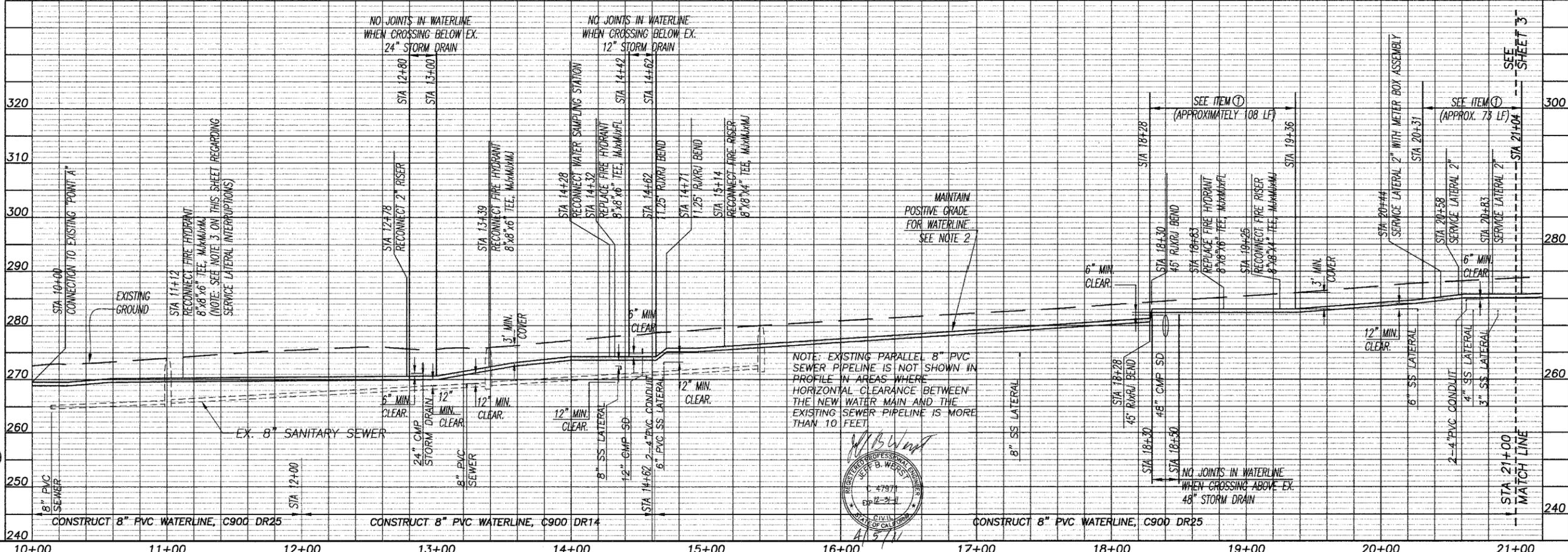
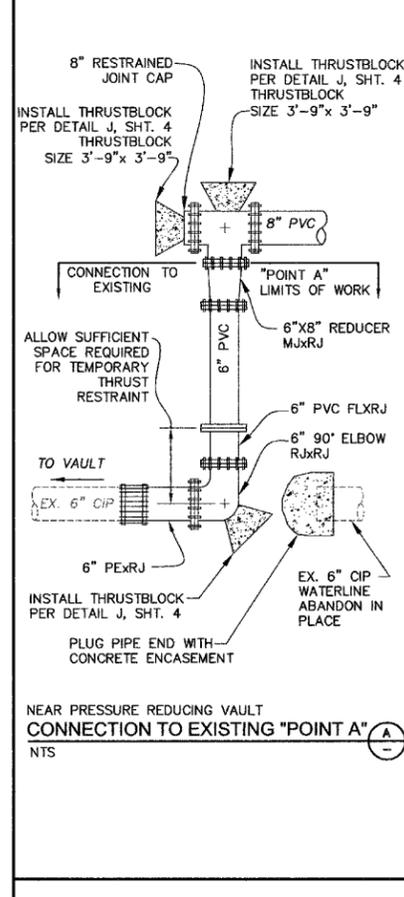
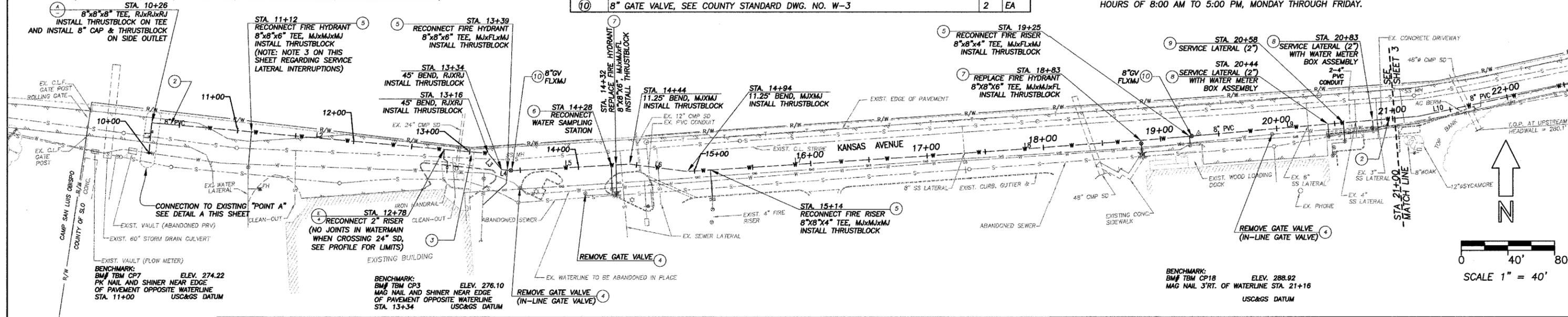
Waterline Alignment Table				
Line #/Curve #	Length	Direction/Delta	Start Coordinates	End Coordinates
L1	26.00	N5° 08' 08"E	N673817.86,E1186604.28	N673843.76, E1186606.61
L2	290.00	S84° 48' 42"E	N673843.76,E1186606.61	N673817.53, E1186895.42
L3	18.00	S39° 48' 42"E	N673817.53,E1186895.42	N673803.71, E1186906.94
L4	10.00	S84° 48' 42"E	N673803.71,E1186906.94	N673802.80, E1186916.90
L5	100.00	N86° 48' 56"E	N673802.80,E1186916.90	N673808.36, E1187016.75
L6	50.01	S82° 46' 31"E	N673808.36,E1187016.75	N673802.07, E1187066.37
L7	200.00	N86° 18' 10"E	N673802.07,E1187066.37	N673814.96, E1187265.95
L8	200.00	N85° 50' 11"E	N673814.96,E1187265.95	N673829.49, E1187465.42
L9	228.00	N85° 03' 31"E	N673829.49,E1187465.42	N673849.12, E1187692.58
L11	38.00	N64° 31' 06"E	N673973.70,E1188267.23	N673990.05, E1188301.53

LEGEND			
ITEM	DESCRIPTION	QTY	UNIT
①	BACKFILL SHALLOW TRENCH WITH SLURRY, SEE DETAIL I ON SHT. 4	40	CY
②	8" PVC C900 DR 25 DR 14	838 262	LF LF
③	RECONSTRUCT LOOP DETECTORS, SEE NOTE 3 ON THIS SHEET	1	LS
④	REMOVE GATE VALVE PER DETAIL M ON SHT. 4	3	EA
⑤	RECONNECT FIRE HYDRANT OR RISER PER DETAIL H ON SHT. 4	4	EA
⑥	RECONNECT WATER SAMPLING STATION PER DETAIL F ON SHT. 4	1	EA
⑦	REPLACE FIRE HYDRANT PER DETAIL G ON SHT. 4	2	EA
⑧	SERVICE LATERAL (2") WITH METER BOX ASSEMBLY PER DETAIL N ON SHT. 4	2	EA
⑨	SERVICE LATERAL (2") PER DETAIL D ON SHT. 4	1	EA
⑩	8" GATE VALVE, SEE COUNTY STANDARD DWG. NO. W-3	2	EA

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CONSTRUCTION NOTES

- SEE TITLE SHEET FOR ADDITIONAL SPECIAL NOTES REGARDING:
 - THE VERTICAL AND HORIZONTAL SEPARATION CRITERIA FOR NEW WATER MAIN CONSTRUCTION CROSSING UNDERGROUND EXISTING UTILITIES SUCH AS SEWER, STORM DRAIN, OR HAZARDOUS FLUIDS SUCH AS FUELS.
 - CONTRACTOR'S RESPONSIBILITY TO ENSURE POSITIVE GRADE FOR THE NEW WATERLINE.
- CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 10-1.04 "ORDER OF WORK" OF THE SPECIAL PROVISIONS REGARDING RESTRICTIONS ON INTERRUPTIONS TO WATER SERVICE LATERALS, FIRE HYDRANT, FIRE RISER, AND WATER SERVICE TO THE COUNTY JAIL.
- SEE SECTION 10-1.04 "ORDER OF WORK" REGARDING MAINTAINING TRAFFIC THROUGH THE JAIL SECURITY GATE LOCATED AT APPROXIMATE STA 13+00, AND SECTION 10-1.28d "RECONSTRUCT LOOP DETECTORS" OF THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
- SEE SECTION 10-1.04 "ORDER OF WORK" OF THE SPECIAL PROVISIONS REGARDING INTERRUPTION OF SERVICE TO THE COUNTY JAIL SERVICE LATERAL LOCATED AT STA 11+12. WATER SERVICE TO THE JAIL SHALL NOT BE INTERRUPTED FOR MORE THAN 1 HOUR AND SHALL REMAIN IN SERVICE BETWEEN THE HOURS OF 8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY.



CU	EXC	Designer	Date	Drawn By	Date	Design Engineer	Date
		J. WERST	3/2011	R.PIZA	3/2011	J. WERST	3/2011

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

KANSAS AVENUE WATERLINE PLAN AND PROFILE

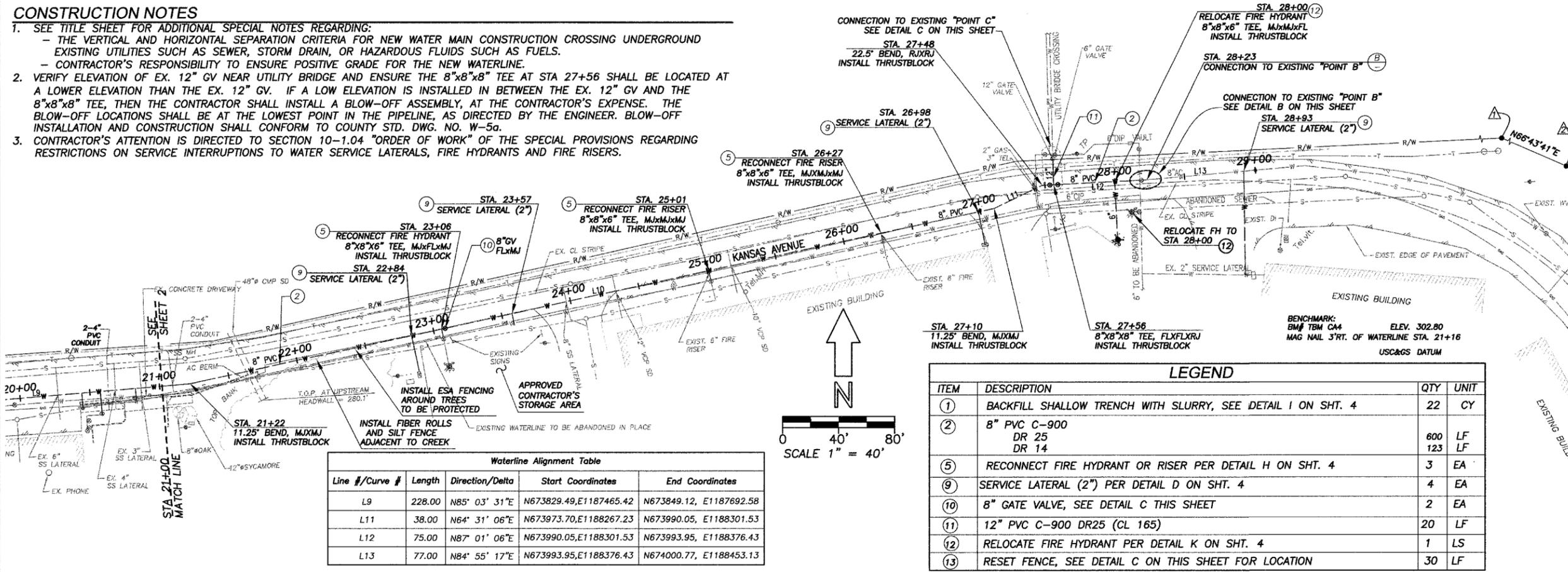
CONSTRUCTION NOTES

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 - THE VERTICAL AND HORIZONTAL SEPARATION CRITERIA FOR NEW WATER MAIN CONSTRUCTION CROSSING UNDERGROUND EXISTING UTILITIES SUCH AS SEWER, STORM DRAIN, OR HAZARDOUS FLUIDS SUCH AS FUELS.
 - CONTRACTOR'S RESPONSIBILITY TO ENSURE POSITIVE GRADE FOR THE NEW WATERLINE.
- VERIFY ELEVATION OF EX. 12" GV NEAR UTILITY BRIDGE AND ENSURE THE 8"x8"x8" TEE AT STA 27+56 SHALL BE LOCATED AT A LOWER ELEVATION THAN THE EX. 12" GV. IF A LOW ELEVATION IS INSTALLED IN BETWEEN THE EX. 12" GV AND THE 8"x8"x8" TEE, THEN THE CONTRACTOR SHALL INSTALL A BLOW-OFF ASSEMBLY, AT THE CONTRACTOR'S EXPENSE. THE BLOW-OFF LOCATIONS SHALL BE AT THE LOWEST POINT IN THE PIPELINE, AS DIRECTED BY THE ENGINEER. BLOW-OFF INSTALLATION AND CONSTRUCTION SHALL CONFORM TO COUNTY STD. DWG. NO. W-5a.
- CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 10-1.04 "ORDER OF WORK" OF THE SPECIAL PROVISIONS REGARDING RESTRICTIONS ON SERVICE INTERRUPTIONS TO WATER SERVICE LATERALS, FIRE HYDRANTS AND FIRE RISERS.

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FOUND MONUMENTS

POINT	DESCRIPTION
△	1.5" IP W/CAP STAMPED "S.L.O. COUNTY" PER 78 LS 51
△	6X6 C.H.C. MON. PER 78 LS 51

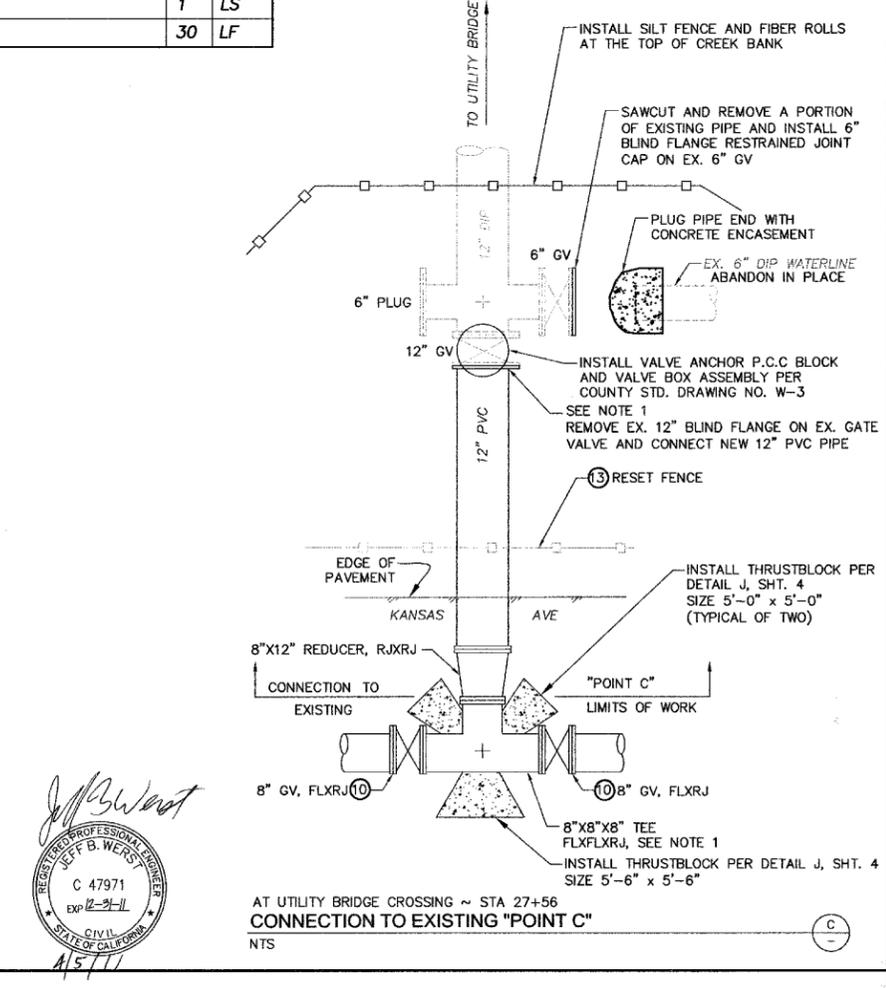
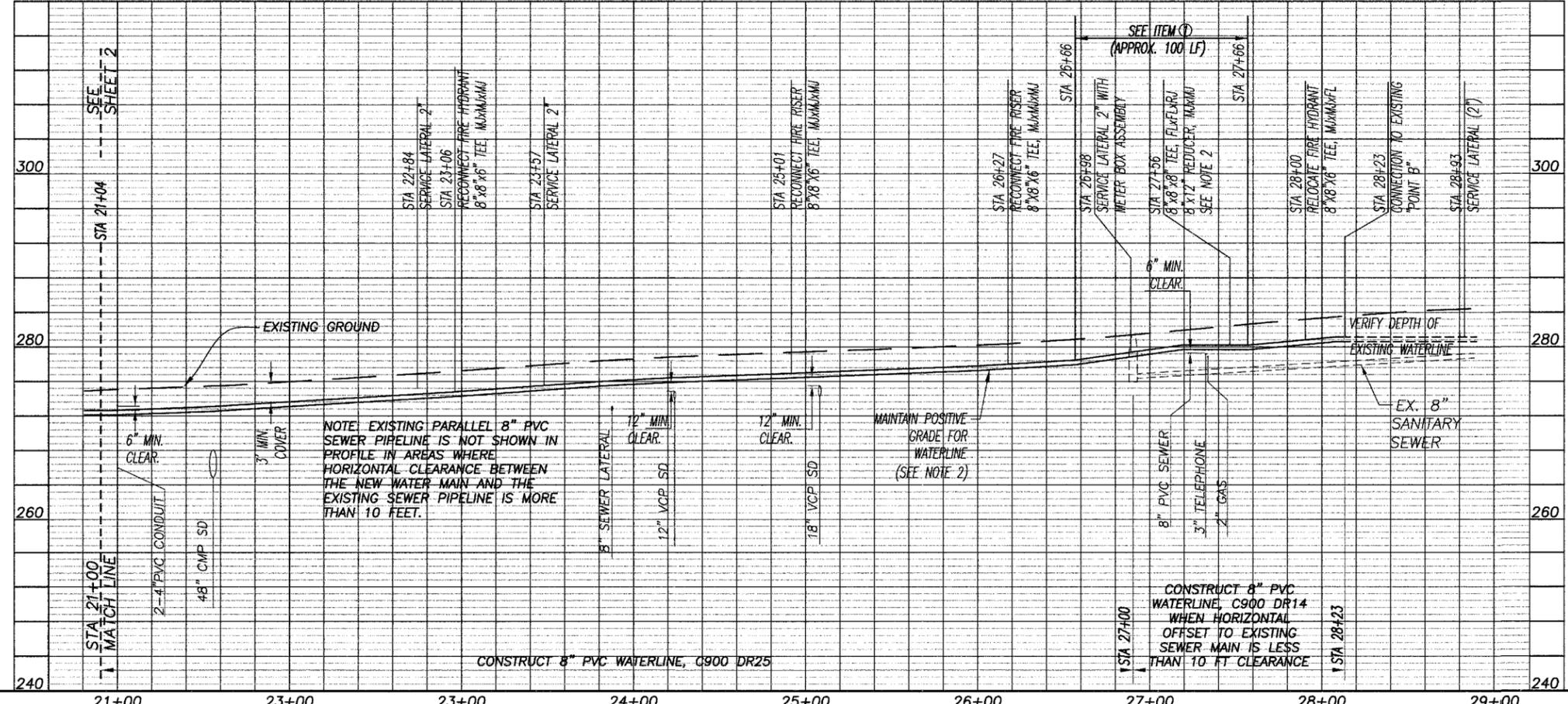
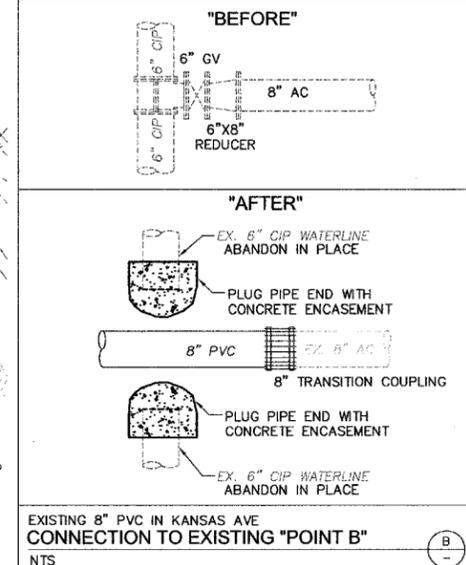


Waterline Alignment Table

Line #/Curve #	Length	Direction/Delta	Start Coordinates	End Coordinates
L9	228.00	N85° 03' 31"E	N673829.49, E1187465.42	N673849.12, E1187692.58
L11	38.00	N64° 31' 06"E	N673973.70, E1188267.23	N673990.05, E1188301.53
L12	75.00	N87° 01' 06"E	N673990.05, E1188301.53	N673993.95, E1188376.43
L13	77.00	N84° 55' 17"E	N673993.95, E1188376.43	N674000.77, E1188453.13

LEGEND

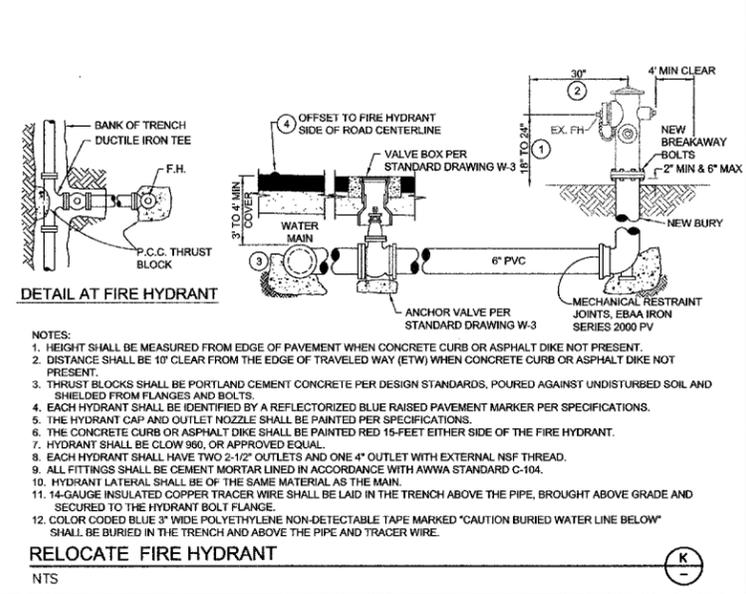
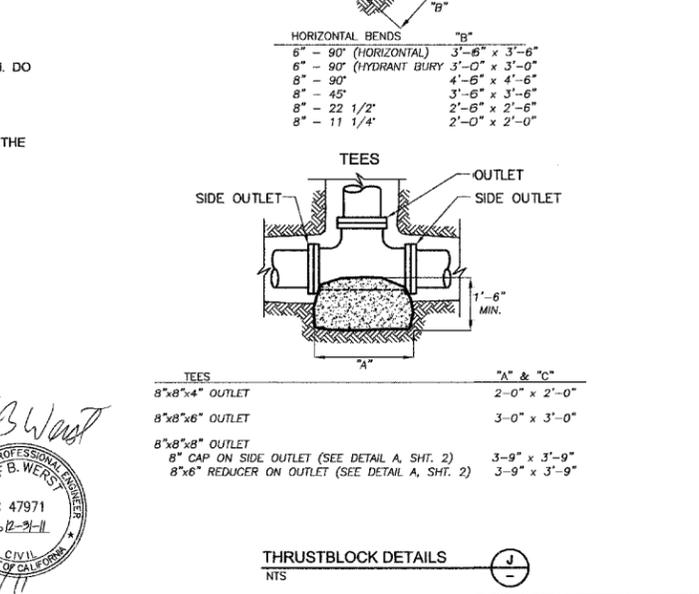
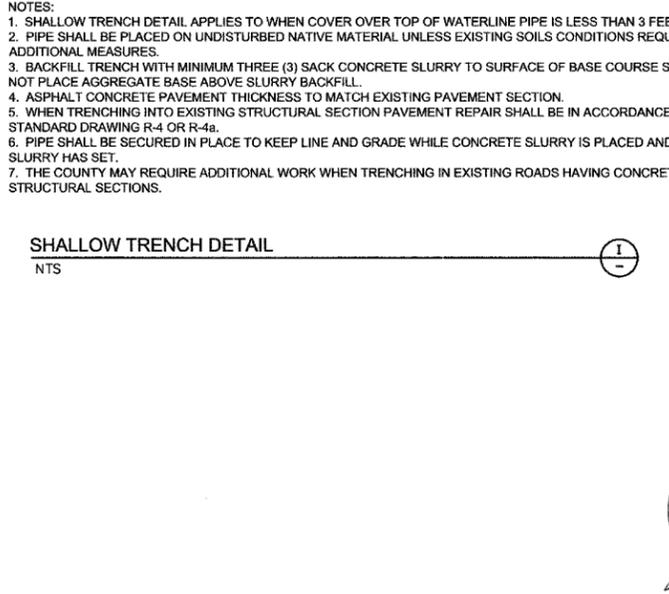
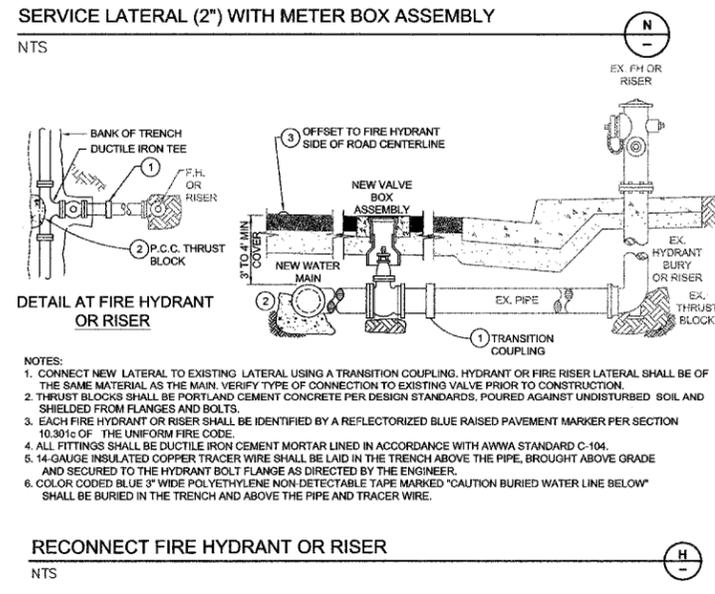
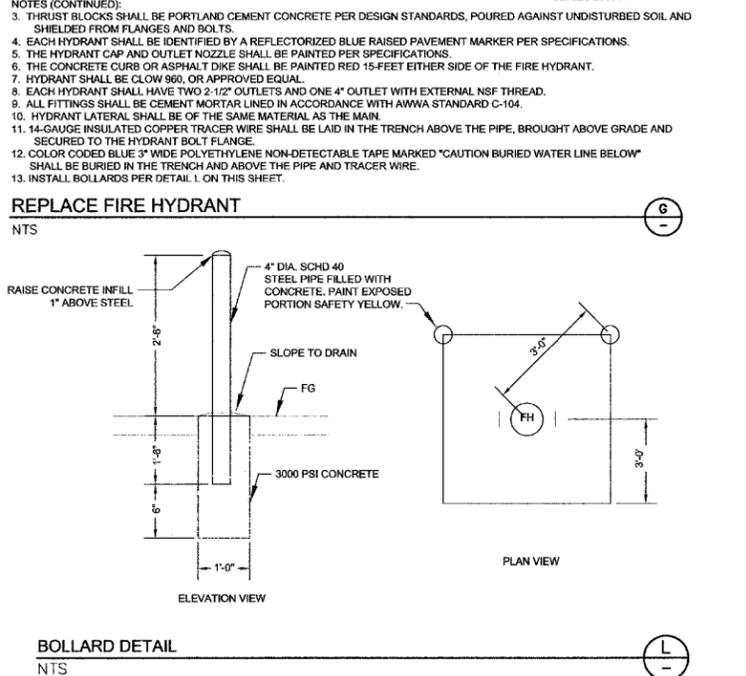
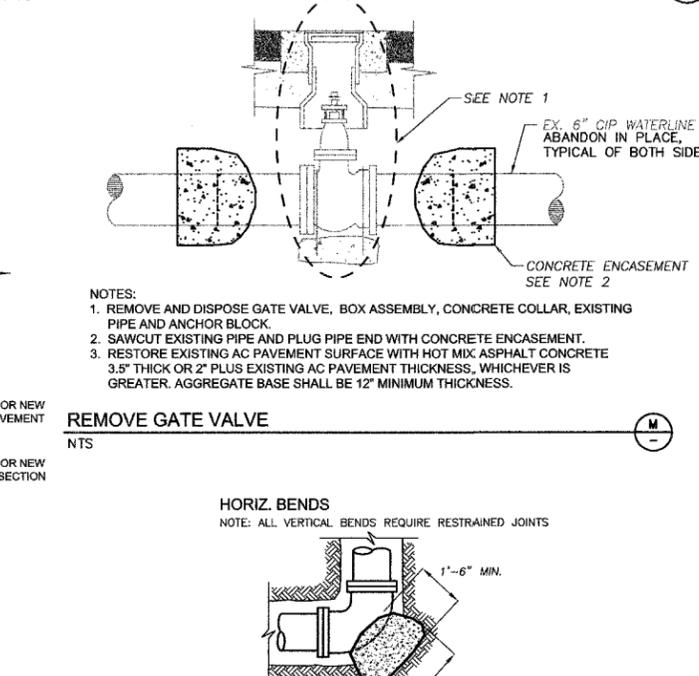
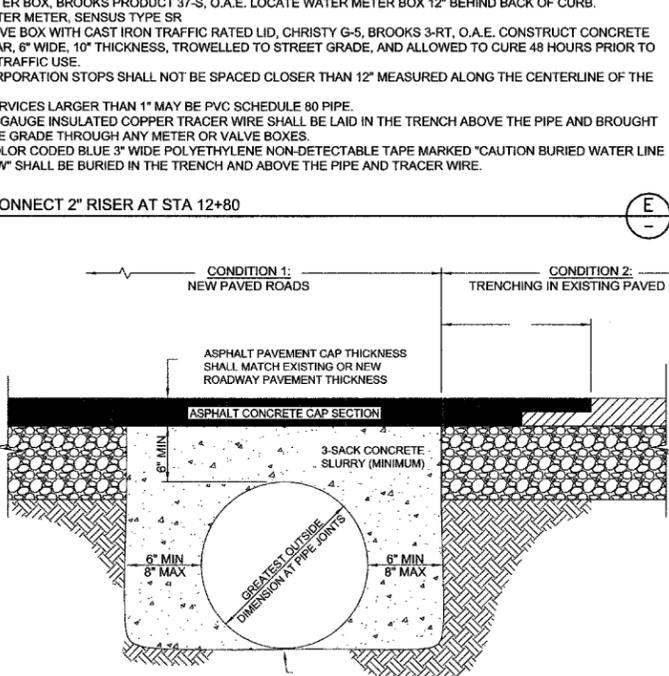
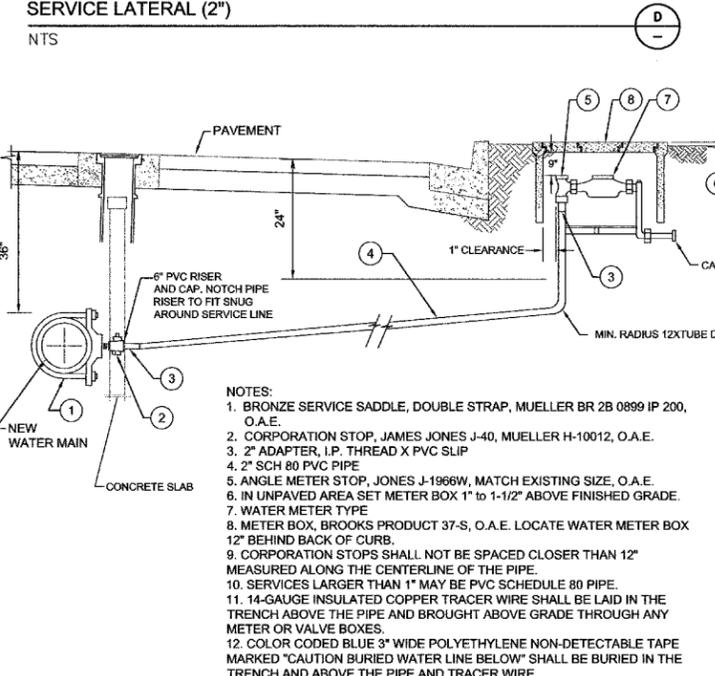
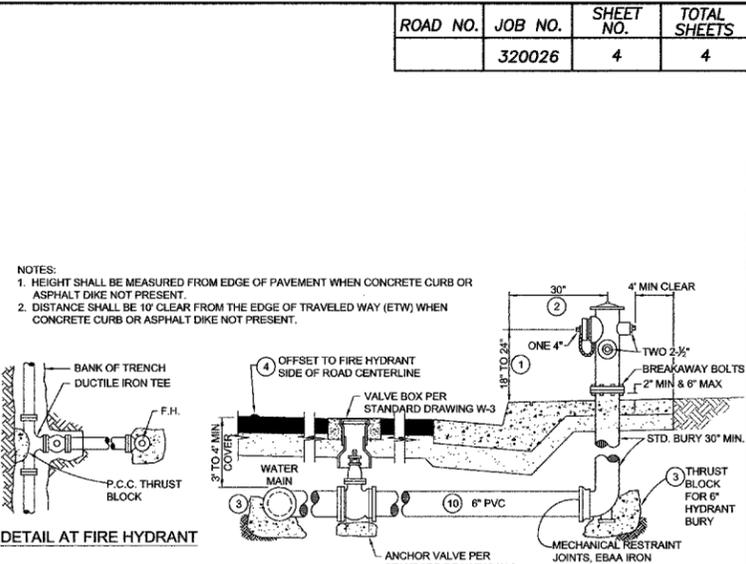
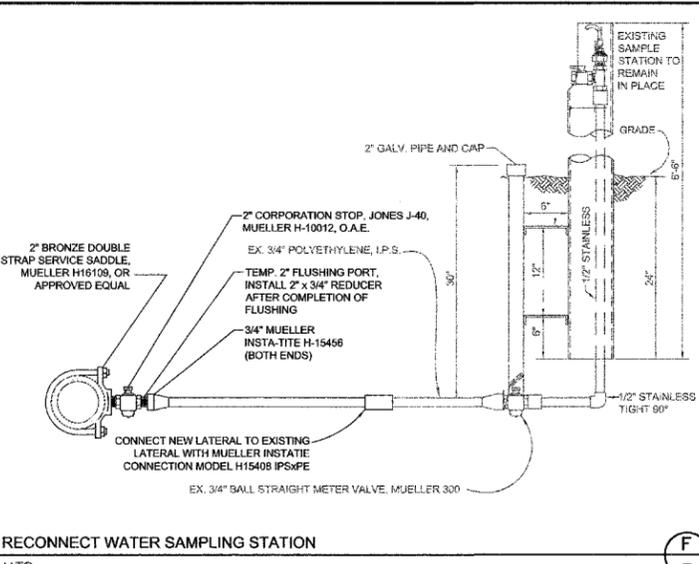
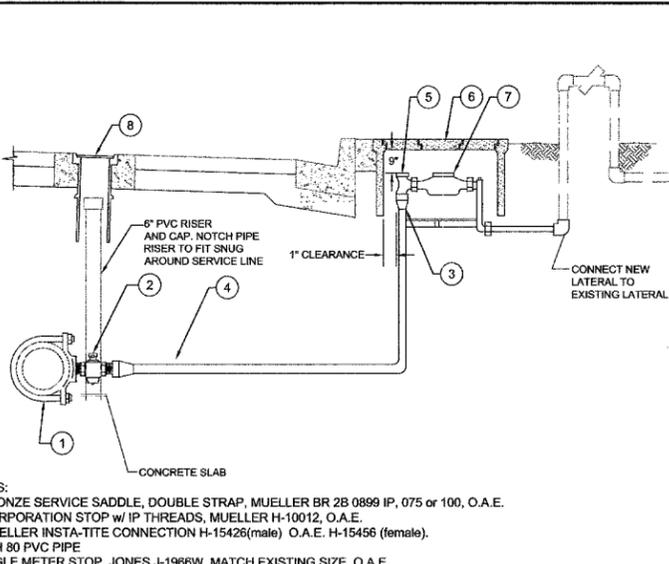
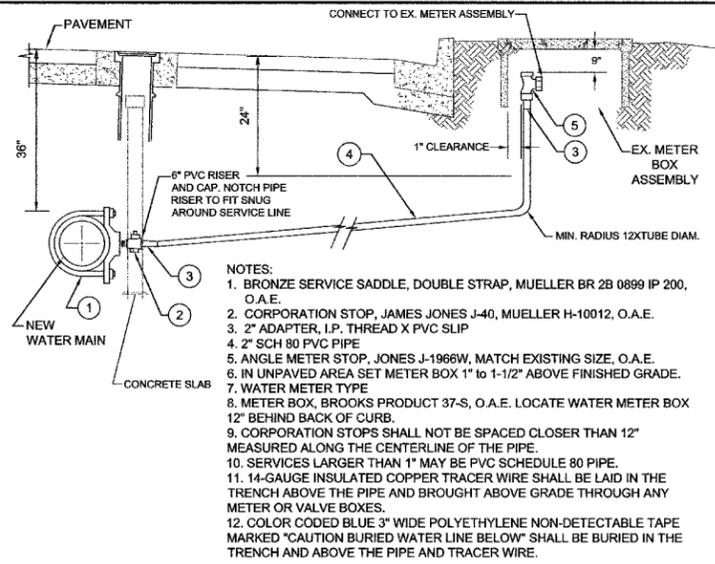
ITEM	DESCRIPTION	QTY	UNIT
①	BACKFILL SHALLOW TRENCH WITH SLURRY, SEE DETAIL I ON SHT. 4	22	CY
②	8" PVC C-900 DR 25 DR 14	600 123	LF LF
⑤	RECONNECT FIRE HYDRANT OR RISER PER DETAIL H ON SHT. 4	3	EA
⑨	SERVICE LATERAL (2") PER DETAIL D ON SHT. 4	4	EA
⑩	8" GATE VALVE, SEE DETAIL C THIS SHEET	2	EA
⑪	12" PVC C-900 DR25 (CL 165)	20	LF
⑫	RELOCATE FIRE HYDRANT PER DETAIL K ON SHT. 4	1	LS
⑬	RESET FENCE, SEE DETAIL C ON THIS SHEET FOR LOCATION	30	LF



JEFF B. WERST
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 C 47971
 EXP 12-31-11
 15/11

CU	EXC				
YDS	EMB				
Designer	Date	Drawn By	Date	Design Engineer	Date
J. WERST	3/2011	R. PIZA	3/2011	J. WERST	3/2011

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Designer	Date	Drawn By	Date	Design Engineer	Date
J. WERST	3/2011	R.PIZA	3/2011	J. WERST	3/2011

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