

September 2, 2016

CCTA Contract No. 427
Caltrans Contract No. 04-4H1604
Balfour Interchange Project

Addendum No. 4

Dear Contractor:

This addendum is being issued to the contract for construction on State Highway **ON ROUTE 4 IN CONTRA COSTA COUNTY IN CITY OF BRENTWOOD FROM 1.1 MILES NORTH OF BALFOUR ROAD TO 0.6 MILE SOUTH OF BALFOUR ROAD.**

Submits bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on **Monday, September 26, 2016.**

To the *Proposal and Contract* Book Holders:

Inquiries or questions in regard to this addendum must be communicated as a bid inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*. Response to bidder inquiries will be posted weekly at www.planroom.us/contracostatrans.

This addendum is being issued to revise the Notice to Bidders and Special Provisions Book, the Proposal and Contract Book and the Project Plans. Replacement pages are included.

NOTICE TO BIDDERS AND SPECIAL PROVISIONS:

1. On Page 33, Section 3-1.18, in the second paragraph change 5 working days to 10 working days.
2. On Page 46, Section 8-1.04C, change 15 working days to 30 calendar days.
3. On Page 46, Section 8: remove the following paragraph added in Addendum #1:
"Replace the 1st sentence in the 1st paragraph of section 8-1.02D(5) with:
Hold a preconstruction scheduling conference with your project manager and the Engineer within 10 working days after transmittal of Contract approval."
4. On Page 55, Section 10-1.03, Delete the two paragraphs added in Addendum #1:
5. On Page 56, Section 12 add the following:
"Add to section 12-3.06A(1):
Anti-graffiti coating is not required on construction area signs."

PROPOSAL AND CONTRACT

1. On Pages 8 thru 16, replace the bid item list with the one attached.

INFORMATION HANDOUT

1. The attached Kinder Morgan Plan sheet is included.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids with the *Proposal and Contract* you now possess.

Inform subcontractors and suppliers as necessary.

This addendum is available for download on the website:

www.planroom.us/contracostatrans

If you are not on the Registered Plan holders list but request bid documents on this project, you must comply with the requirements of this letter before submitting your bid.

BY THE ORDER OF THE CONTRA COSTA TRANSPORTATION AUTHORITY:

Randell H. Iwasaki, Executive Director
September 2, 2016

Contra Costa Transportation Authority
BALFOUR INTERCHANGE PROJECT CCTA Contract No. 427

or be deemed to have withdrawn its bid protest and waived any rights it has to submit further bid protests. Staff may, but will not be obligated, to hold a meeting or meetings to obtain additional information and to seek a resolution to the matter. If a meeting is held, staff will give notice to the Protesting Bidder and the Protested Bidder, indicating the time and place of the meeting. Bid protests will be withdrawn and no longer considered by the Authority, and Protesting Bidder will be deemed to have waived any rights it has to submit further bid protests if Protesting Bidder fails to attend any meeting scheduled by Authority staff.

At the conclusion of its review, Authority staff will provide the Protesting Bidder and the Protested Bidder written notice of their recommendation with a brief explanation with respect to the bid protest. Upon receiving the staff recommendation, the Authority Board will issue a decision regarding the bid protest. The decision of the Authority Board is final with respect to the disposition of the bid protest and non-appealable.

Any bidder that fails to strictly comply with the bid protest procedures set forth herein shall be deemed to have failed to exhaust its administrative remedies and shall be precluded from filing any claim (administrative or judicial) covered by the bid protest procedure.

Delete section 3-1.11

Replace section 3-1.18 with:

The Contract Form is included in the *Proposal and Contract*.

Submittal by the Authority of the contract signature document to the successful bidder for execution signifies notice of award. The successful bidder must sign the Contract Form and all copies and return it to the Authority within 10 working days with:

- A. The originals and one copy of each of the contract bonds.
- B. One of the following:
 - 1. Two copies of a certificate of consent to self-insure issued by the Director of Industrial Relations of the State of California, or
 - 2. Two copies of a certificate of worker's compensation insurance issued by an admitted insurer, or
 - 3. Two copies of a certificate of worker's compensation insurance, certified by the Director of Industrial Relations of the State of California or the insurer.
- C. Two copies of certificates of insurance for the Bidder's insurance policies and endorsements thereto.
- D. If requested by the Authority, complete copies of any insurance policy that provides coverage required under this contract. If requested by you, the Authority will return the policy after having reviewed it.

Within 10 business days after the Authority receives the last of the above-listed documents, the Authority will review the contract documents and, if in order, will notify you of Contract approval.

The bidder's security may be forfeited for failure to execute the contract within the time specified (Pub Cont Code §§ 10181, 10182, and 10183).

AA

4 SCOPE OF WORK

Add to section 4-1.06C:

Within 15 days from notification of the Engineer's determination, you must file an Initial Potential Claim Record under Section 5-1.43 otherwise the decision of the Engineer is considered correct and final and accepted by you.

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- (E) Contractor's Pollution Liability Insurance with available limits of not less than \$10,000,000 per occurrence;
- (F) Pollution Legal Liability Insurance with limits of not less than \$5,000,000 per occurrence; and
- (G) Umbrella Liability Insurance with limits of not less than \$25,000,000 per occurrence and \$25,000,000 aggregate.

The occurrence limits under your Commercial General Liability Insurance shall apply to bodily injury and property damage. The aggregate limits under your Commercial General Liability Insurance must apply separately to your work under this Contract. The Umbrella Liability Insurance policy must contain a clause stating that it takes effect (drops down) in the event the primary limits of the underlying policies are impaired or exhausted.

Replace the 4th paragraph in section 7-1.06D(2) with:

Each Authority Indemnitee listed in Section 7-1.05B, including its officers, directors, agents (except agents who are design professionals), and employees, must be named as additional insureds under the General Liability and Umbrella Liability Policies with respect to liability arising out of or connected with work or activities performed by or on behalf of you under this Contract. Coverage for such additional insureds does not extend to liability:

1. Arising from any defective or substandard condition of the roadway which existed at or before the time you started work, unless such condition has been changed by the work or the scope of the work requires you to maintain existing roadway facilities and the claim arises from your failure to maintain;
2. For claims occurring after the work is completed and accepted unless these claims are directly related to alleged acts or omissions of you that occurred during the course of the work; or
3. To the extent prohibited by Ins Code § 11580.04.

Replace section 7-1.06D(3) with:

Except for the Workers' Compensation Insurance and Employers' Liability Insurance policies, each of the policies of insurance that you are required to maintain under this Contract shall include or be endorsed to include a provision indicating that the insurance is primary and that the Authority Indemnitees' policies of insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be called upon to contribute in any way.

Add section 7-1.06(J)

You will provide waiver of subrogation endorsements in favor of the Authority Indemnitees on all of the insurance policies required under this Contract.



8 PROSECUTION AND PROGRESS

Replace "Reserved" in section 8-1.04C with:

Section 8-1.04B does not apply.

The Notice to Proceed (NTP) shall be issued 30 calendar days after the Authority's Board has awarded the contract.

Do not start job site activities until the Department authorizes or accepts your submittal for:

12-2.04 PAYMENT

Not Used

Add to section 12-3.02C:

All barricades in place at night must have a working flashing beacon mounted on it.

Add to section 12-3.03C:

Except where placed behind guardrail or Type K temporary railing, make a taper consisting of 9 traffic cones placed 25 feet apart (200 feet total) to delineate the location of a flashing arrow sign.

Move unprotected flashing arrow signs to an area at least 15 feet from the edge of the traveled way or remove them from the job site away from traffic when not in use.

Add to section 12-3.06A(1):

Anti-graffiti coating is not required on construction area signs.

Add to section 12-3.06C(1):

Advance information signs must be installed as shown a minimum 7 days before road closures. Advance information signs must be covered and removed as directed by the Engineer when they are no longer required.

Add to section 12-3.12C:

Start displaying the message on the portable changeable message sign 15 minutes before closing the lane.

Place the portable changeable message sign in advance of the 1st warning sign for each:

1. Stationary lane closure
2. Shoulder closure
3. Speed reduction zone
4. At locations directed by the Engineer

For 5 days, starting on the day of signal activation, place 1 portable changeable message sign in each direction of travel and display the following message: "SIGNAL AHEAD -- PREPARE TO STOP."

Replace "Reserved" in section 12-3.13 with:

12-3.13A General

12-3.13A(1) Summary

Section 12-3.13 includes specifications for protecting traffic and workers with an impact attenuator vehicle during moving lane closures and when placing and removing components of stationary lane closures, ramp closures, shoulder closures, or a combination.

Do not use an impact attenuator vehicle to place, remove, or place and remove components of a stationary traffic control system on a 2-lane, 2-way highway where the useable shoulder width is less than 10 feet.

Impact attenuator vehicles must comply with the following test levels under the National Cooperative Highway Research Program 350:

1. Test level 3 if the preconstruction posted speed limit is 50 mph or more
2. Test levels 2 or 3 if the preconstruction posted speed limit is 45 mph or less

The impact attenuator vehicle must comply with the attenuator manufacturer's instructions for:

BID SCHEDULE

BALFOUR INTERCHANGE PROJECT

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
1	066208	REPAIR EXISTING IRRIGATION SYSTEM	LS	LUMP SUM		
2	066209	MODIFY IRRIGATION SYSTEM	LS	LUMP SUM		
3	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM		
4	080050	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM		
5	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM		
6	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM		
7	120119	TRAFFIC CONE	EA	1350		
8	120120	TYPE III BARRICADE	EA	240		
9	120149	TEMPORARY PAVEMENT MARKING (PAINT)	SQFT	8310		
10	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	102000		
11	120165	CHANNELIZER (SURFACE MOUNTED)	EA	180		
12	120182	PORTABLE DELINEATOR	EA	650		
13	120199	TRAFFIC PLASTIC DRUM	EA	30		
14	120300	TEMPORARY PAVEMENT MARKER	EA	3350		
15	128605	TEMPORARY SIGNAL AND LIGHTING	LS	LUMP SUM		
16	128651	PORTABLE CHANGEABLE MESSAGE SIGN (EA)	EA	37		
17	129000	TEMPORARY RAILING (TYPE K)	LF	34500		
18	129100	TEMPORARY CRASH CUSHION MODULE	EA	42		
19	129101	TEMPORARY CRASH CUSHION (ABSORB 350 TL-2)	EA	26		
20	129102	TEMPORARY CRASH CUSHION (ABSORB 350 TL-3)	EA	14		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
21	129150	TEMPORARY TRAFFIC SCREEN	LF	34500		
22	130100	JOB SITE MANAGEMENT	LS	LUMP SUM		
23	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM		
24	130330	STORM WATER ANNUAL REPORT	EA	3		
25	130505	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	8		
26	130530	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	48500		
27	130550	TEMPORARY HYDROSEED	SQYD	48500		
28	130570	TEMPORARY COVER	SQYD	5000		
29	130610	TEMPORARY CHECK DAM	LF	960		
30	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	170		
31	130640	TEMPORARY FIBER ROLL	LF	32600		
32	130680	TEMPORARY SILT FENCE	LF	25500		
33	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	9		
34	130730	STREET SWEEPING	LS	LUMP SUM		
35	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM		
36	131103	WATER QUALITY SAMPLING AND ANALYSIS DAY	EA	20		
37	131104	WATER QUALITY MONITORING REPORT	EA	36		
38	131200	TEMPORARY CREEK DIVERSION SYSTEM	LS	LUMP SUM		
39	131201	TEMPORARY CREEK BED PROTECTION SYSTEM	LS	LUMP SUM		
40	141000	TEMPORARY FENCE (TYPE ESA)	LF	750		
41	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	150		
42	141104	REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING (HAZARDOUS WASTE)	SQFT	390		
43	141120	TREATED WOOD WASTE	LB	1000		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
44	149000	DUST CONTROL	LS	LUMP SUM		
45	150242	ABANDON SEWER PIPELINE	LF	430		
46	150305	OBLITERATE SURFACING	SQYD	19200		
47	150605	REMOVE FENCE	LF	9150		
48	150646	REMOVE PEDESTRIAN BARRICADE	EA	4		
49	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	9410		
50	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	2920		
51	150722	REMOVE PAVEMENT MARKER	EA	860		
52	150742	REMOVE ROADSIDE SIGN	EA	68		
53	150747	REMOVE ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	2		
54	150812	REMOVE PIPE (LF)	LF	3190		
55	150820	REMOVE INLET	EA	17		
56	150821	REMOVE HEADWALL	EA	6		
57	150826	REMOVE MANHOLE	EA	6		
58	150829	REMOVE ABANDONED VAULT	EA	9		
59	150830	REMOVE ABANDONED UTILITY	LF	13400		
60	150836	REMOVE RETAINING WALL (LS)	LS	LUMP SUM		
61	150860	REMOVE BASE AND SURFACING	CY	9490		
62	151180	TV SEWER SYSTEM	LS	LUMP SUM		
63	152390	RELOCATE ROADSIDE SIGN	EA	5		
64	152423	ADJUST MONUMENT TO GRADE	EA	1		
65	152440	ADJUST MANHOLE TO GRADE	EA	1		
66	152481	48" SEWER MANHOLE	LF	54		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
67	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	32600		
68	153240	REMOVE CONCRETE (CURB, GUTTER, AND SIDEWALK) (CY)	CY	580		
69	155003	CAP INLET	EA	1		
70	155232	SAND BACKFILL	CY	19		
71	160103	CLEARING AND GRUBBING (ACRE)	ACRE	52		
72	160120	REMOVE TREES	EA	19		
73	190101 (F)	ROADWAY EXCAVATION	CY	138324		
74	190151	CHANNEL EXCAVATION	CY	3130		
75	190185	SHOULDER BACKING	TON	1710		
76	192003 (F)	STRUCTURE EXCAVATION (BRIDGE)	CY	3158		
77	192037 (F)	STRUCTURE EXCAVATION (RETAINING WALL)	CY	1306		
78	193003 (F)	STRUCTURE BACKFILL (BRIDGE)	CY	2855		
79	193006 (F)	STRUCTURE BACKFILL (SLURRY CEMENT)	CY	91		
80	193013 (F)	STRUCTURE BACKFILL (RETAINING WALL)	CY	1598		
81	193118 (F)	CONCRETE BACKFILL	CY	19		
82	194001	DITCH EXCAVATION	CY	59		
83	198010	IMPORTED BORROW (CY)	CY	158000		
84	198051	BIOFILTRATION SWALE BERM	EA	11		
85	204097	REPLACE LANDSCAPING	LS	LUMP SUM		
86	210002	IMPORTED BIOFILTRATION SOIL	CY	4080		
87	210270	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	126000		
88	210280	ROLLED EROSION CONTROL PRODUCT (BLANKET)	SQFT	3890		
89	210300	HYDROMULCH	SQFT	1200000		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
90	210350	FIBER ROLLS	LF	66800		
91	210430	HYDROSEED	SQFT	1200000		
92	210600	COMPOST	SQFT	1200000		
93	250401	CLASS 4 AGGREGATE SUBBASE	CY	101000		
94	260203	CLASS 2 AGGREGATE BASE (CY)	CY	17800		
95	260204	TEMPORARY CLASS 2 AGGREGATE BASE (CY)	CY	290		
96	270065	ASPHALTIC EMULSION (CURING SEAL)(TON)	TON	40	Deleted	Deleted
97	280000	LEAN CONCRETE BASE	CY	9370		
98	390128	TEMPORARY HOT MIX ASPHALT (TYPE A)	TON	780		
99	390132	HOT MIX ASPHALT (TYPE A)	TON	32700		
100	390137	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TON	10500		
101	390138	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED)	TON	3720		
102	394053	SHOULDER RUMBLE STRIP (HMA,GROUND-IN INDENTATIONS)	STA	65		
103	394060	DATA CORE	LS	LUMP SUM		
104	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	660		
105	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	5340		
106	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	4550		
107	394079	TEMPORARY PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	1360		
108	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	29		
109	391000	PRIME COAT	TON	47		
110	397005	TACK COAT	TON	110		
111	477020 (F)	MECHANICALLY STABILIZED EMBANKMENT	SQFT	2241		
112	480600	TEMPORARY SHORING	LS	LUMP SUM		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
113	490528	FURNISH STEEL PILING (HP 14 X 89)	LF	15680		
114	490529	DRIVE STEEL PILE (HP 14 X 89)	EA	272		
115	490746	FURNISH PILING (CLASS 140) (ALTERNATIVE W)	LF	190		
116	490747	DRIVE PILE (CLASS 140) (ALTERNATIVE W)	EA	6		
117	490782	FURNISH PILING (CLASS 200) (ALTERNATIVE W)	LF	2356		
118	490783	DRIVE PILE (CLASS 200) (ALTERNATIVE W)	EA	36		
119	498052	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	68		
120	500020	PRESTRESSING PRECAST GIRDER	LS	LUMP SUM		
121	510051 (F)	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	767		
122	510053 (F)	STRUCTURAL CONCRETE, BRIDGE	CY	2845		
123	510060 (F)	STRUCTURAL CONCRETE, RETAINING WALL	CY	567		
124	510072 (F)	STRUCTURAL CONCRETE, BARRIER SLAB	CY	37		
125	510086 (F)	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	486		
126	510502 (F)	MINOR CONCRETE (MINOR STRUCTURE)	CY	544		
127	510504 (F)	MINOR CONCRETE (PIPE ENCASEMENT)	CY	132		
128	511035 (F)	ARCHITECTURAL TREATMENT	SQFT	4776		
129	511036 (F)	ARCHITECTURAL SURFACE (BARRIER)	SQFT	2201		
130	512208	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (90'-100')	EA	22		
131	512211	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (150'-160')	EA	7		
132	512500 (F)	ERECT PRECAST PRESTRESSED CONCRETE GIRDER	EA	29		
133	519091	JOINT SEAL (MR 1 1/2")	LF	301		
134	519100	JOINT SEAL (MR 2")	LF	212		
135	520102 (F)	BAR REINFORCING STEEL (BRIDGE)	LB	852658		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
136	520103 (F)	BAR REINFORCING STEEL (RETAINING WALL)	LB	81303		
137	520116	BAR REINFORCING STEEL (BARRIER SLAB)	LB	4190		
138	560218 (F)	FURNISH SIGN STRUCTURE (TRUSS)	LB	63200		
139	560219 (F)	INSTALL SIGN STRUCTURE (TRUSS)	LB	63200		
140	560225	INSTALL SIGN (BRIDGE MOUNTED)	EA	3		
141	560233	FURNISH LAMINATED PANEL SIGN (OVERHEAD)	SQFT	970		
142	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	600		
143	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	350		
144	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	87		
145	560252	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-FRAMED)	SQFT	220		
146	566011	ROADSIDE SIGN - ONE POST	EA	74		
147	566012	ROADSIDE SIGN - TWO POST	EA	14		
148	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	4		
149	568015	INSTALL SIGN (MAST-ARM HANGER METHOD)	EA	7		
150	568016	INSTALL SIGN PANEL ON EXISTING FRAME	SQFT	150		
151	650014	18" REINFORCED CONCRETE PIPE	LF	12600		
152	650018	24" REINFORCED CONCRETE PIPE	LF	1230		
153	650034	48" REINFORCED CONCRETE PIPE	LF	430		
154	650058	84" REINFORCED CONCRETE PIPE	LF	280		
155	665017	18" CORRUGATED STEEL PIPE (.079" THICK)	LF	330		
156	665036	36" CORRUGATED STEEL PIPE INLET (.079" THICK)	LF	83		
157	665105	8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	LF	1480		
158	680287	3" SLOTTED PLASTIC PIPE UNDERDRAIN	LF	750		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
159	680905	8" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	2880		
160	680906	8" PERFORATED PLASTIC PIPE	LF	10600		
161	682022 (F)	CLASS 1 PERMEABLE MATERIAL (BLANKET)	CY	2760		
162	690117	18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	LF	820		
163	700617	DRAINAGE INLET MARKER	EA	12		
164	705011	18" STEEL FLARED END SECTION	EA	13		
165	705204	18" CONCRETE FLARED END SECTION	EA	15		
166	705206	24" CONCRETE FLARED END SECTION	EA	2		
167	707117	36" PRECAST CONCRETE PIPE INLET	LF	110		
168	707242	TYPE I MANHOLE	LF	170		
169	707243	TYPE II MANHOLE	LF	30		
170	707244	TYPE III MANHOLE	LF	120		
171	709522	INLET DEPRESSION	EA	92		
172	721017 (F)	ROCK SLOPE PROTECTION (FACING, METHOD B) (CY)	CY	1166		
173	721030 (F)	ROCK SLOPE PROTECTION (1/2 T, METHOD B) (CY)	CY	218		
174	721431	CONCRETE (CONCRETE APRON)	CY	9		
175	721810	SLOPE PAVING (CONCRETE)	CY	76		
176	721812	SLOPE PAVING (CONCRETE PAVERS)	SQFT	4581		
177	722009	COBBLESTONE PAVING	SQYD	96		
178	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	1830		
179	730020	MINOR CONCRETE (CURB) (CY)	CY	410		
180	731505	TEMPORARY CURB, GUTTER, SIDEWALK, & CURB RAMP	CY	38		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
181	731521	MINOR CONCRETE (SIDEWALK & RAMP)	CY	310		
182	731530	MINOR CONCRETE (TEXTURED PAVING)	CY	310		
183	750001 (F)	MISCELLANEOUS IRON AND STEEL	LB	59417		
184	781100	18" SEWER PIPE	LF	420		
185	782100	20" POTABLE WATERLINE RELOCATION	LS	LUMP SUM		
186	782200	24" NON-POTABLE WATERLINE RELOCATION	LS	LUMP SUM		
187	790100	ARV RELOCATION (SOUTH)	LS	LUMP SUM		
188	790101	REMOVE BLOW OFF	LS	LUMP SUM		
189	790200	CONCRETE CAP (TYPE 1)	LF	425		
190	790201	CONCRETE CAP (TYPE 2)	LF	175		
191	790300	CSTS RELOCATION (NORTH)	LS	LUMP SUM		
192	790301	CSTS RELOCATION (SOUTH)	LS	LUMP SUM		
193	800400	CHAIN LINK FENCE (TYPE CL-8)	LF	240		
194	820107	DELINEATOR (CLASS 1)	EA	200		
195	820120	CONCRETE BARRIER DELINEATOR (CLASS 1, TYPE 1)	EA	85		
196	820151	OBJECT MARKER (TYPE L-1)	EA	6		
197	832005	MIDWEST GUARDRAIL SYSTEM	LF	7350		
198	832070	VEGETATION CONTROL (MINOR CONCRETE)	SQYD	1460		
199	833077	PEDESTRIAN BARRICADE	EA	4		
200	839221	DOUBLE MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	150		
201	839521 (F)	CABLE RAILING	LF	20		
202	839543	TRANSITION RAILING (TYPE WB-31)	EA	9		
203	839566	TERMINAL SYSTEM (TYPE CAT)	EA	3		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
204	839567	TERMINAL SYSTEM (TYPE CAT) BACKUP	EA	3		
205	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	12		
206	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	9		
207	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	1		
208	839608	CRASH CUSHION (SMART)	EA	1		
209	839701	CONCRETE BARRIER (TYPE 60)	LF	2680		
210	839702 (F)	CONCRETE BARRIER (TYPE 60A)	LF	220		
211	839706	CONCRETE BARRIER (TYPE 60G)	LF	700		
212	839707	CONCRETE BARRIER (TYPE 60GA)	LF	260		
213	839717 (F)	CONCRETE BARRIER (TYPE 732 MODIFIED)	LF	977		
214	839721 (F)	CONCRETE BARRIER (TYPE 732A)	LF	545		
215	839727 (F)	CONCRETE BARRIER (TYPE 736 MODIFIED)	LF	331		
216	846000	4" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) (BROKEN 18-12)	LF	6710		
217	846001	4" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	52000		
218	846003	4" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) (BROKEN 12-3)	LF	220		
219	846004	4" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) (BROKEN 17-7)	LF	290		
220	846007	6" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	3550		
221	846008	6" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) (BROKEN 8-4)	LF	600		
222	846009	8" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	10100		
223	846012	THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	SQFT	5330		

Item No.	Item Code (F)	Item Description	Unit of Measure	Estimated Quantity	Unit Price **	Item Total
224	846013	3" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	3420		
225	847000	POST MILE MARKING (PAINT)	EA	14		
226	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	2060		
227	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	2070		
228	860150	SIGNAL AND LIGHTING (TEMPORARY)	LS	LUMP SUM		
229	860251	SIGNAL AND LIGHTING (LOCATION 1)	LS	LUMP SUM		
230	860252	SIGNAL AND LIGHTING (LOCATION 2)	LS	LUMP SUM		
231	860253	SIGNAL AND LIGHTING (LOCATION 3)	LS	LUMP SUM		
232	860300	SIGNAL AND LIGHTING (CITY STREET LOCATION 1)	LS	LUMP SUM		
233	860401	LIGHTING	LS	LUMP SUM		
234	860402	LIGHTING (CITY STREET)	LS	LUMP SUM		
235	860705	INTERCONNECTION CONDUIT AND CABLE (LS)	LS	LUMP SUM		
236	860880	TRAFFIC OPERATIONS SYSTEM	LS	LUMP SUM		
237	869002	EMERGENCY VEHICLE DETECTOR SYSTEM (LOCATIONS 2 AND 3)	LS	LUMP SUM		
238	999990	MOBILIZATION	LS	LUMP SUM		

* All items are based on an "in-place" condition.

** Including all applicable taxes.

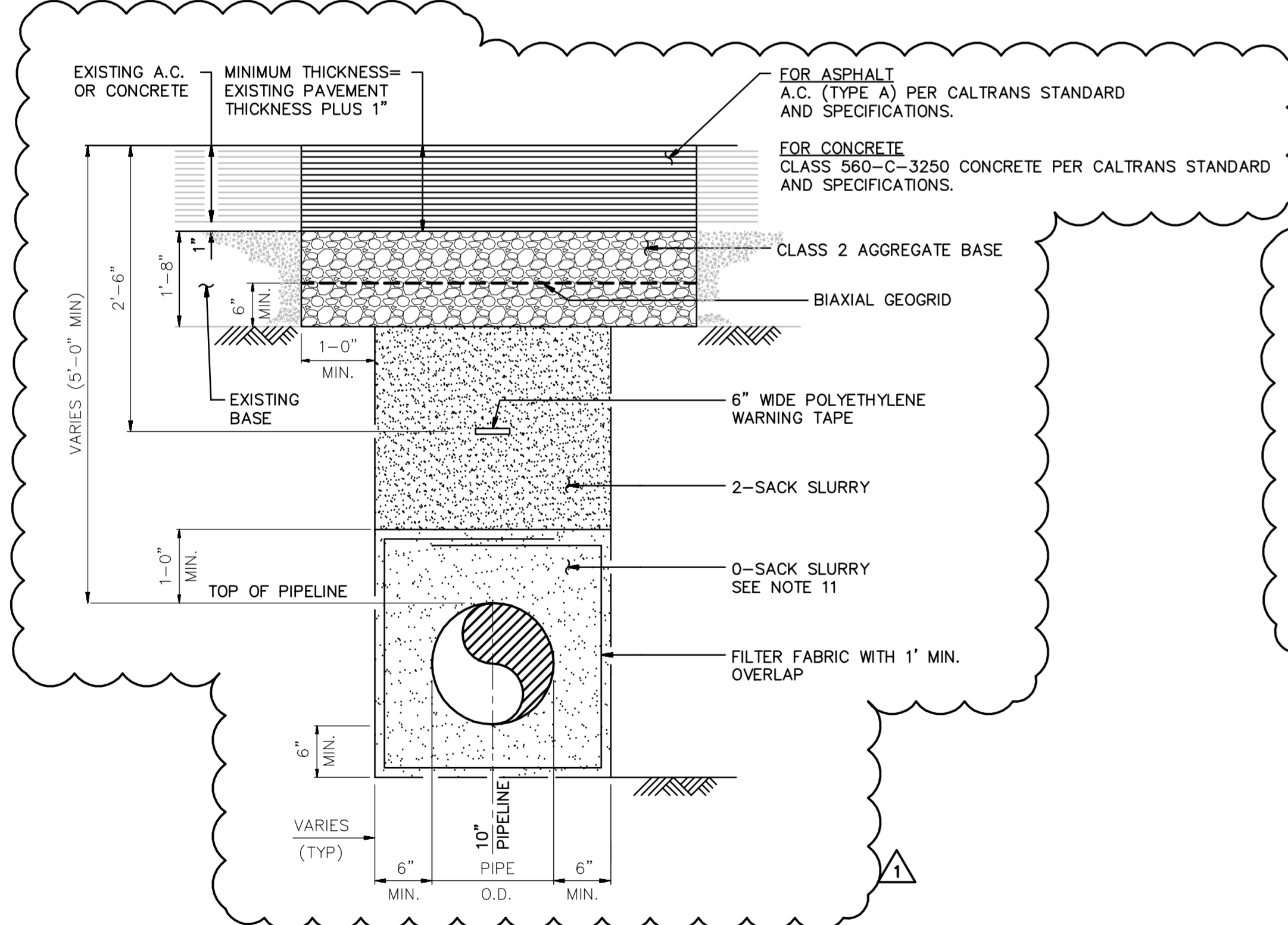
TOTAL PROJECT BID \$ _____

Submitted By: _____
(Bidder Partnership or Joint Venture name)



AERIAL PHOTOGRAPH IS NOT TRUE TO SCALE DUE TO ELEVATION DISTORTION. DEPICTION OF PIPELINE IN THE PHOTOGRAPH IS FOR REFERENCE ONLY AND DOES NOT REPRESENT ACTUAL LENGTHS AND DEFLECTION ANGLES.

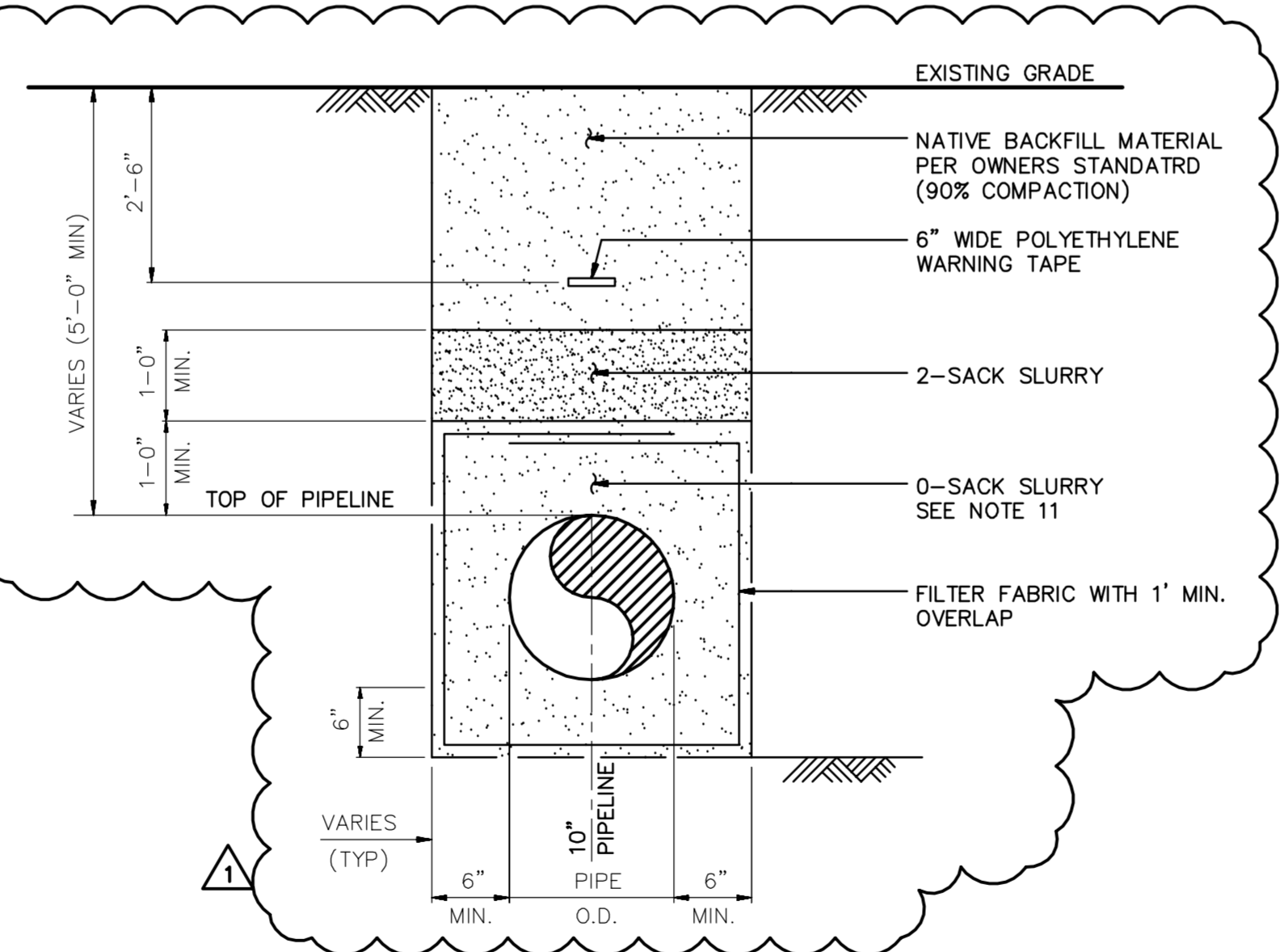
PLAN
SCALE: 1"=40'
ALIGNMENT DEMOLITION PLAN



TYPICAL PAVED SURFACE

TRENCH DETAIL
N.T.S.

DETAIL A
N.T.S. E-BB-186101-04A



TYPICAL UNPAVED SURFACE

TRENCH DETAIL
N.T.S.

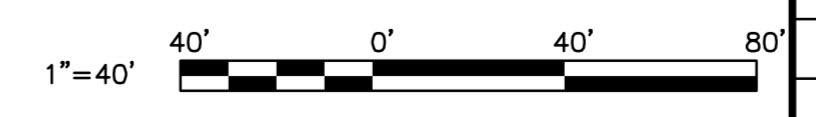
DETAIL B
N.T.S. E-BB-186101-04A

- NOTES:**
- PIPELINE TO REMAIN UNTIL PIPELINE RELOCATION TIE-INS ARE COMPLETE.
 - REMOVE ALL ABOVE AND BELOW GRADE EQUIPMENT, ELECTRICAL AND FOUNDATIONS TO 4' MINIMUM BELOW GRADE.
 - ENTIRE AREA TO BE GRADED SMOOTH AND CLEAN UPON COMPLETION.
 - RELOCATION OF RECTIFIER AND ANODES BY KINDER MORGAN.
 - 10" PIPELINE DEMOLITION SHALL BE PERFORMED DURING PIPELINE RELOCATION PHASE.
 - KINDER MORGAN SHALL COMMUNICATE TO CONTRACTORS AS TO WHICH VALVES, EQUIPMENT, ETC. SHALL BE SALVAGED AND STORED AT CONCORD STATION.
 - ALL VALVES REMOVED TO BE RETURNED TO CONCORD YARD.
 - REMOVE PIG SIG, PLUG AND CAP TOR.
 - ANY DAMAGE TO SIDEWALK, HANDI CAP RAMPS, CURBS, GUTTER, PAVEMENT OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR AND SUBCONTRACTORS PERFORMING SUBSURFACE EXCAVATIONS SHALL COMPLY WITH ALL REQUIREMENTS OF CALIFORNIA GOVERNMENT CODE SECTIONS 4216.9 PERTAINING TO AN "EXCAVATOR" COMPLIANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, TIMELY NOTIFICATION OF THE APPLICABLE REGIONAL NOTIFICATION CENTER AND CONDUCTING ON-SITE MEETINGS WITH ANY OWNER OF A HIGH PRIORITY SUBSURFACE INSTALLATION.
 - SAND AND WATER MIXTURE WITH NO CEMENT.
 - THE USE OF RECYCLED AB SHALL NOT BE ALLOWED.

CONTRACTOR NOTICE
ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR AND SUBCONTRACTORS PERFORMING SUBSURFACE EXCAVATIONS SHALL COMPLY WITH ALL REQUIREMENTS OF CALIFORNIA GOVERNMENT CODE SECTIONS 4216.9 PERTAINING TO AN "EXCAVATOR" COMPLIANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, TIMELY NOTIFICATION OF THE APPLICABLE REGIONAL NOTIFICATION CENTER AND CONDUCTING ON-SITE MEETINGS WITH ANY OWNER OF A HIGH PRIORITY SUBSURFACE INSTALLATION.



REISSUED FOR CONSTRUCTION
AUGUST 09, 2016



SPEC SERVICES, Inc.
17101 Bushard Street
Fountain Valley, CA 92708
(714) 963-8077
S:\6042\6042 E-BB-186101-05.40

REVISIONS				FIELDBOOK			MAP REFERENCES			REF RECORD DWG NO:			
NO.	DATE	DESCRIPTION	BY	CHECKED	APPROVED	TWN	RNG	SEC	USGS QUAD	THOM. BROG.	SERIES: 7.5"	PAGE:	CONSTRUCTION DRAWING NUMBER
1	08/09/16	REVISED AS NOTED AND REISSUED FOR CONSTRUCTION	DM	IR	MS								E-BB-186101-05
0	06/10/16	ISSUED FOR CONSTRUCTION	DM	IR	MS								

SFPP, L.P.
ORANGE CALIFORNIA

DRAWING TITLE: ALIGNMENT DEMOLITION DETAIL
JOB TITLE: 10" L.S. 9 PIPELINE RELOCATION
LOCATION: BRENTWOOD, CONTRA COSTA CO., CA
OPERATING SYSTEM:

DATE: 08/12/14 NAME: GRID:

CONST. CAD FILE: XXXXXX