

PROPOSAL FORM

FIRM NAME _____

ADDRESS _____

TELEPHONE _____

FAX NUMBER _____

FOR

MAJOR STREET REHABILITATION - CITYWIDE (FY 13/14-15/16)

PROJECT NO. 428-68548

FOR

CITY OF POMONA

POMONA, CALIFORNIA

(One copy shall be filled in and submitted as the bid; the other shall be the bidder's file copy.)

PROPOSAL
FOR
Major Street Rehabilitation - Citywide (FY 13/14-15/16)
Project No. 428-68548

TO THE HONORABLE MAYOR AND
CITY COUNCIL OF THE CITY OF POMONA

In compliance with the annexed "Notice Inviting Sealed Bids", the undersigned hereby proposes and agrees to perform all the work and improvements therein described, and to furnish all labor and materials, equipment and incident insurance necessary therefore in accordance with the specifications therefore, known as "**Major Street Rehabilitation - Citywide (FY 13/14-15/16), Project No. 428-68548**", which are on file in the office of the City Engineer of the City of Pomona. The undersigned agrees to perform the work and improvements therein mentioned to the satisfaction of and under the supervision of the City Engineer of the City of Pomona, duly appointed for said work in the matter of the construction and installation of "**Major Street Rehabilitation - Citywide (FY 13/14-15/16), Project No. 428-68548**", as designated on the specifications known as "**Major Street Rehabilitation - Citywide (FY 13/14-15/16), Project No. 428-68548**", on file in the office of the City Engineer of the City of Pomona, and further agrees to enter into a contract therefore in the time, form and manner provided by law at the following prices.

Each line item bid shall contain all costs and expenses for the work described in the same numbered bid item in the Technical Provisions of the Contract Documents.

BASE BID SCHEDULE A

Major Street Rehabilitation - Citywide (FY 13/14-15/16); Project No. 428-68548

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
CONTRACT ITEMS				
A-1	<u>Mobilization</u>	1 LS	\$ <u>200,000.00</u>	\$ <u>200,000.00</u>
A-2	Monument Preservation	1 LS	\$ _____	\$ _____
A-3	NPDES/Water Pollution Control	1 LS	\$ _____	\$ _____
A-4	Project Signs	41 EA	\$ _____	\$ _____
A-5	Railroad Permitting	1 LS	\$ _____	\$ _____
A-6	Traffic Control & Electronic Signs	1 LS	\$ _____	\$ _____
A-7	<u>Punch List</u>	1 LS	\$ <u>150,000.00</u>	\$ <u>150,000.00</u>
PARKWAY/MEDIAN PCC REPAIRS				
A-8	Remove & Replace Curb	17,875 LF	\$ _____	\$ _____

Major Street Rehabilitation - Citywide (FY 13/14-15/16); Project No. 428-68548

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
A-9	Remove & Replace Curb & Gutter	3,134 LF	\$ _____	\$ _____
A-10	Remove & Replace Sidewalk	47,560 SF	\$ _____	\$ _____
A-11	Remove & Replace Alley Approach	8,250 SF	\$ _____	\$ _____
A-12	Remove & Replace Cross Gutter	4,835 SF	\$ _____	\$ _____
A-13	Remove & Replace Residential Driveway	480 SF	\$ _____	\$ _____
A-14	Remove & Replace Commercial Driveway	1,680 SF	\$ _____	\$ _____
A-15	Remove & Replace Portion of Residential Driveway	2,550 SF	\$ _____	\$ _____
A-16	Remove & Replace Curb Ramp	68 EA	\$ _____	\$ _____
A-17	Retrofit Truncated Domes on Existing Surface & Grind Existing Lip to 0" Curb Face	3,540 SF	\$ _____	\$ _____
A-18	Install PCC Bus Pad	8,000 SF	\$ _____	\$ _____
A-19	Remove Existing & Install New Parkway Drain	2 EA	\$ _____	\$ _____
A-20	Install Hand Railing	15 LF	\$ _____	\$ _____
A-21	Prune, Remove & Dispose of Conflicting Roots	127 EA	\$ _____	\$ _____
A-22	Construct 4" PCC Sidewalk	2,119 SF	\$ _____	\$ _____
A-23	Construct 4" Thick Pervious Concrete and Base Material	6,452 SF	\$ _____	\$ _____
<u>A-23A</u>	<u>Sawcut and Remove Concrete, Miscellaneous</u>	<u>141,916 SF</u>	\$ _____	\$ _____
<u>A-23B</u>	<u>Sawcut and Remove 4" Thick Concrete Slab</u>	<u>5,616 SF</u>	\$ _____	\$ _____
<u>A-23C</u>	<u>Clear and Grub Existing Turf and Plants</u>	<u>7,750 SF</u>	\$ _____	\$ _____
 PARKWAY/MEDIAN UTILITY ADJUSTMENTS				
A-24	Adjust Existing Water Meter Box to Grade	16 EA	\$ _____	\$ _____
A-25	Remove Existing & Install New Water Meter Box To Grade	6 EA	\$ _____	\$ _____

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ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
A-26	1 Relocate Existing Water Meter & Box	76 EA	\$ _____	\$ _____
A-27	2 Relocate Existing Water Meter & Install New Water Meter Box	2 EA	\$ _____	\$ _____
A-28	Relocate Existing Utility Box	7 EA	\$ _____	\$ _____
A-29	3 Adjust Traffic Signal or Street Lighting Pull Box to Grade	14 EA	\$ _____	\$ _____
PAVEMENT REPAIR				
A-30	1.2" Uniform Depth Cold Mill	187,000 SF	\$ _____	\$ _____
A-31	1.5" Uniform Depth Cold Mill	673,500 SF	\$ _____	\$ _____
A-32	1.5"-2.5" Uniform Depth Cold Mill (Includes Fabric Removal & Disposal)	842,860 SF	\$ _____	\$ _____
A-33	2.5" Uniform Depth Cold Mill	243,000 SF	\$ _____	\$ _____
A-34	3.5"-4" Uniform Depth Cold Mill & Strip Existing Pavement	64,000 SF	\$ _____	\$ _____
A-35	4.5" Uniform Depth Cold Mill (Includes Fabric Removal & Disposal)	636,092 SF	\$ _____	\$ _____
A-36	Sawcut & Remove 8" Existing Pavement/Base & Install Full Depth Asphalt Roadway Section at Bus Stop	86,293 SF	\$ _____	\$ _____
A-37	Sawcut & Remove Existing Pavement/Base & Install Full Depth Asphalt Roadway Section for Median Improvements	38,500 SF	\$ _____	\$ _____
A-38	Remove 3" Existing Pavement/Base (Patching)	2,766 CY	\$ _____	\$ _____
A-39	Remove 11" Existing Pavement/Base (Full Depth Patching)	48 CY	\$ _____	\$ _____
A-40	Install 8" CMB (Full Depth Patching)	96 TON	\$ _____	\$ _____
A-41	Install AC Base Paving (Patching) (B2-PG 64-10)	4,970 TON	\$ _____	\$ _____
A-42	Install 1" AC Leveling Base Paving (D1-PG 64-10)	2,151 TON	\$ _____	\$ _____
A-43	Install 2"-2.5" AC Base Paving (B2-PG 64-10)	1,027 TON	\$ _____	\$ _____
A-44	Install 1" AC Leveling Base Paving (C1-PG 64-10)	435 TON	\$ _____	\$ _____
A-45	Install 1.2"-2" ARHM-GG-C Overlay	22,688 TON	\$ _____	\$ _____
A-46	Install 1.5" AC Overlay (C2-PG 64-10)	203 TON	\$ _____	\$ _____

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ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
A-47	Install 3" CCPR Base Paving	75,649 SY	\$ _____	\$ _____
A-48	CCPR Emulsified Recycling Agent	363 TON	\$ _____	\$ _____
A-49	CCPR Additive	79 TON	\$ _____	\$ _____
A-50	Install Type I Slurry Seal	302,012 SF	\$ _____	\$ _____
A-51	Fog Seal	608,709 SF	\$ _____	\$ _____
ROADWAY UTILITY ADJUSTMENTS				
A-52	Adjust Manhole Frame & Cover to Grade (Double Adjust)	137 EA	\$ _____	\$ _____
A-53	Adjust Water & Gas Valve Frame & Cover to Grade	245 EA	\$ _____	\$ _____
A-54	Adjust Monument Well Frame & Cover to Grade	8 EA	\$ _____	\$ _____
TRAFFIC LOOP DETECTORS				
A-55	Install Type E Traffic loop	197 EA	\$ _____	\$ _____
A-56	Install Type D Traffic Loop	120 EA	\$ _____	\$ _____
SIGNING & STRIPING				
A-57	Alvarado Street Signing & Striping	1 LS	\$ _____	\$ _____
A-58	Alameda St Signing & Striping	1 LS	\$ _____	\$ _____
A-59	Artesia Ave Signing & Striping	1 LS	\$ _____	\$ _____
A-60	Caswell Ave Signing & Striping	1 LS	\$ _____	\$ _____
A-61	Dudley Street Signing & Striping	1 LS	\$ _____	\$ _____
A-62	Garey Avenue Signing & Striping	1 LS	\$ _____	\$ _____
A-63	Hamilton Blvd Signing & Striping	1 LS	\$ _____	\$ _____
A-64	Huntington St Signing & Striping	1 LS	\$ _____	\$ _____
A-65	Kingsley Avenue Signing & Striping	1 LS	\$ _____	\$ _____
A-66	Monterey Avenue Signing & Striping	1 LS	\$ _____	\$ _____

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ITEM	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL PRICE
A-67	Murchison Ave Signing & Striping	1	LS	\$ _____	\$ _____
A-68	Orange Grove Ave Signing & Striping	1	LS	\$ _____	\$ _____
A-69	Park Ave Signing & Striping	1	LS	\$ _____	\$ _____
A-70	Ridgeway Street Signing & Striping	1	LS	\$ _____	\$ _____
A-71	San Antonio Avenue Signing & Striping	1	LS	\$ _____	\$ _____
A-72	San Bernardino Avenue Signing & Striping	1	LS	\$ _____	\$ _____
A-73	Towne Ave Signing & Striping	1	LS	\$ _____	\$ _____
 LANDSCAPE & HARDSCAPE					
A-74	Grouted Rock Cobble Blanket	21,653	SF	\$ _____	\$ _____
A-75	3" Deep Gravel Mulch	49,562	SF	\$ _____	\$ _____
A-76	Boulder Type A	200	EA	\$ _____	\$ _____
A-77	Boulder Type B	160	EA	\$ _____	\$ _____
A-78	Boulder Type C	75	EA	\$ _____	\$ _____
A-79	Boulder Type D	30	EA	\$ _____	\$ _____
A-80	Boulder Type E	55	EA	\$ _____	\$ _____
A-81	Non-Woven Geotextile Fabric	<u>109,615</u>	SF	\$ _____	\$ _____
A-82	Soil Preparation, amendments and Fine Grading	37,500	SF	\$ _____	\$ _____
A-83	Class A Top Soil Import	523	CY	\$ _____	\$ _____
A-84	1 Gallon Shrubs	256	<u>EA</u>	\$ _____	\$ _____
A-85	5 Gallon Shrubs	1,864	<u>EA</u>	\$ _____	\$ _____
A-86	15 Gallon Shrubs	781	<u>EA</u>	\$ _____	\$ _____
A-87	24" Box Trees	240	EA	\$ _____	\$ _____
A-88	15' BTH Queen Palm (Syagrus romanzoffiana)	198	EA	\$ _____	\$ _____
A-89	18' BTH Canary Island Date Palm (Phoenix canariensis)	27	EA	\$ _____	\$ _____
A-90	Plant Establishment Period	30	DY	\$ _____	\$ _____

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ITEM	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL PRICE
A-91	Post Maintenance Period	60	DY	\$ _____	\$ _____
A-91A	<u>Facing Class Cobble</u>	<u>2,648</u>	<u>CY</u>	\$ _____	\$ _____
UTILITY & IRRIGATION					
A-92	Electrical, conduit, sawcut, trenching, backfill and repair paving	1	LS	\$ _____	\$ _____
A-93	Install New No. 5 Pull Box	12	EA	\$ _____	\$ _____
A-94	Irrigation System – Master Control, Gate, Quick Coupler, Flush and Station Valves, wire/conduit, Paige cable, pipe, drip tube, emitters, bubblers complete in place	1	LS	\$ _____	\$ _____
A-95	Install 2" Domestic <u>Service and Connect to Water Meter.</u> Water Meter to be Owner furnished and installed.	2	EA	\$ _____	\$ _____
A-96	Install 2" Backflow Preventer and Cage Enclosure	2	EA	\$ _____	\$ _____
A-97	Furnish & Install 24 Station Calsense Controller, Enclosure, Pad, Decoders and Flow Sensor Complete In Place	1	EA	\$ _____	\$ _____
A-98	Furnish & Install 32 Station Calsense Controller, Enclosure, Pad, Decoders and Flow Sensor Complete In Place	1	EA	\$ _____	\$ _____
A-99	Install 3" Electrical Conduit for Future Street Lighting w/ 3/8" Nylon Pull Rope	2,000	LF	\$ _____	\$ _____
INFILTRATION DRAINAGE					
A-100	<u>Two</u> 18" Perforated Smooth Interior Lined Pipes wrapped in Stone Washed Gravel and Non-Woven Geotextile Fabric per Detail on Plan	4,645	LF	\$ _____	\$ _____
A-101	Construct Modified Catch Basin (w=3') per SPPWC STD. Plan 300-3 w/ soft bottom per detail.	18	EA	\$ _____	\$ _____
A-102	Construct Modified Catch Basin (w= 7') per SPPWC STD. Plan 300-3 w/ soft bottom per detail.	2	EA	\$ _____	\$ _____

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ITEM	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL PRICE
A-103	Construct Modified Catch Basin (1 grate) per SPPWC STD. Plan 302-3 w/ soft bottom per detail.	5	EA	\$ _____	\$ _____
A-104	Construct Modified Sewer Manhole per SPPWC STD. Plan 200-3 w/ soft bottom per detail.	6	EA	\$ _____	\$ _____
A-105	Construct Modified (Weir) Sewer Manhole per SPPWC STD. Plan 200-3 w/ soft bottom per detail.	9	EA	\$ _____	\$ _____
A-106	Install 12" RCP (2000-D) drain pipe w/ 5' wide trench repair per City of Pomona STD. A-26-02.	1,158	LF	\$ _____	\$ _____
A-107	Install 18" RCP (2000-D) drain pipe w/ 5' wide trench repair per City of Pomona STD. A-26-02.	188	LF	\$ _____	\$ _____
A-108	Install 18" perforated HDPE drain pipe.	44	LF	\$ _____	\$ _____
A-109	Install 12" x 12" atrium grate inlet and all applicable parts per NDS part no. 1290 and 1221 or approved equal, w/ 8" perforated HDPE drain pipe 36" deep.	18	EA	\$ _____	\$ _____
A-110	CCTV Existing Sewer Main and Laterals	1	LS	\$ _____	\$ _____
MEDIAN PEDESTRIAN IMPROVEMENT					
A-111	<u>Construct San Antonio Ave Improvements</u>	<u>1</u>	<u>LS</u>	\$ _____	\$ _____

TOTAL BASE BID SCHEDULE A AMOUNT: \$ _____

TOTAL BASE BID SCHEDULE A AMOUNT IN WORDS:

ADDITIVE ALTERNATE BID SCHEDULE B

Major Street Rehabilitation - Citywide (FY 13/14-15/16). Project No. 428-68548

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
PARKWAY/PCC REPAIRS				
B-1	Remove & Replace Curb Ramp (Alternate Bid)	105 EA	\$ _____	\$ _____
B-2	Install Hand Railing (Alternate Bid)	50 LF	\$ _____	\$ _____
PARKWAY UTILITY ADJUSTMENTS				
B-3	Relocate Traffic Signal Pull Box	46 EA	\$ _____	\$ _____
B-4	Relocate Street Lighting Pull Box	2 EA	\$ _____	\$ _____
PAVEMENT REPAIR				
B-5	Weed Abate, Crack Seal <u>10 days prior to work</u> & Apply Full Width Fog Seal	10,300 SY	\$ _____	\$ _____
B-6	Weed Abate, Crack Seal <u>10 days prior to work</u> & Apply Full Width Type I Slurry Seal	150 ELT	\$ _____	\$ _____
B-7	Remove 3" Existing Pavement/Base (Patching – Alternate Bid)	170 CY	\$ _____	\$ _____
B-8	Install AC Base Paving (Patching – Alternate Bid) (B2-PG 64-10)	340 TON	\$ _____	\$ _____

TOTAL ADDITIVE ALTERNATE BID SCHEDULE B AMOUNT: \$ _____

TOTAL ADDITIVE ALTERNATE BID SCHEDULE B AMOUNT IN WORDS:

ADDITIVE ALTERNATE BID SCHEDULE C

Major Street Rehabilitation - Citywide (FY 13/14-15/16). Project No. 428-68548

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
PAVEMENT REPAIR				
C-1	Install 1.2" ARHM GG-C Overlay	630 TONS	\$ _____	\$ _____
C-2	Install 1.5" ARHM GG-C Overlay	3,850 TONS	\$ _____	\$ _____

TOTAL ADDITIVE ALTERNATE BID SCHEDULE C AMOUNT: \$ _____

TOTAL ADDITIVE ALTERNATE BID SCHEDULE C AMOUNT IN WORDS:

ADDITIVE ALTERNATE BID SCHEDULE D

Major Street Rehabilitation - Citywide (FY 13/14-15/16). Project No. 428-68548

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL PRICE
TRAFFIC SIGNAL (Per Appendix)					
D-1	Install 3" Conduit (Leg Location) Complete in Place	17	EA	\$ _____	\$ _____
D-2	Install #6 PB	34	EA	\$ _____	\$ _____
D-3	Replace Wiring with CSC Wire	9	EA	\$ _____	\$ _____
D-4	Relocate Pole Mounted Service to Constructed Pedestal & Reconnect	28	EA	\$ _____	\$ _____
D-5	Install Countdown Ped Head	72	EA	\$ _____	\$ _____
D-6	Install Video Detection at Specified Intersection	6	EA	\$ _____	\$ _____
D-7	Install Battery Backup System	5	EA	\$ _____	\$ _____
D-8	Remove & Replace Traffic Standard, <u>Traffic Equipment Gear, Street Name Sign, Foundation,</u> Mast Arm, &/or Luminaire Arm	29	EA	\$ _____	\$ _____
D-9	Upgrade Existing Controller, Cabinet, & Foundation	11	EA	\$ _____	\$ _____

TOTAL ADDITIVE ALTERNATE BID SCHEDULE D AMOUNT: \$ _____

TOTAL ADDITIVE ALTERNATE BID SCHEDULE D AMOUNT IN WORDS:

GRAND TOTAL BID AMOUNT (A+B+C+D): \$ _____

GRAND TOTAL BID AMOUNT (A+B+C+D) IN WORDS:

LANDSCAPE & HARDSCAPE AND UTILITY & IRRIGATION – BID ITEM #s A-74 TO A-91 AND A-92, A-94 TO A-99

A. DEMOLITION:

Work shall comply with CLEARING & GRUBBING and UNCLASSIFIED EXCAVATION bid item descriptions when no specified bid item is available—references to Sections 02050 and 02110 throughout the Landscape and Irrigation Provisions shall also be interpreted to be a part of said description. All existing vegetation and hardscape shall be removed prior to installation of proposed landscape and hardscape and shall be disposed of at a hazardous waste facility by the Contractor. Proof of proper disposal will be required to be submitted to the City prior to payment authorization.

B. EARTHWORK AND GRADING:

Work shall be in accordance with Section 02210 of the Landscape and Irrigation Provisions.

C. EXCAVATION AND BACKFILLING

Work shall be in accordance with Section 02220 of the Landscape and Irrigation Provisions.

D. SITE DRAINAGE:

Work shall be in accordance with Section 02500 of the Landscape and Irrigation Provisions.

E. ELECTRICAL AND IRRIGATION SYSTEM:

Work shall be in accordance with Section 02750 of the Landscape and Irrigation Provisions.

F. LANDSCAPING:

Work shall be in accordance with Section 02800 of the Landscape and Irrigation Provisions. **Contractor shall anticipate a minimum of three (3) utility lines, service laterals, and conduits in each excavation for tree plantings and shall hand dig and protect in place said existing utility lines and conduits and shall split root balls as-needed to fit tree plantings to exiting conditions and include all cost in tree pay items.**

G. PLANTING:

Work shall be in accordance with Section 02900 of the Landscape and Irrigation Provisions.

H. HARDSCAPE:

Work for concrete curb median shall comply with REMOVE & REPLACE CONCRETE CURB/CURB & GUTTER bid item description—references to Sections 03100 and 03300 throughout the Landscape and Irrigation Provisions shall also be interpreted to be a part of said description.

I. CONCRETE REINFORCEMENT:

Work shall be in accordance with Section 03200 of the Landscape and Irrigation Provisions.

J. ROCK BLANKET:

Work shall be in accordance with Section 03400 of the Landscape and Irrigation Provisions.

K. CONDUIT FOR FUTURE STREET LIGHTING – BID ITEM # A-99

General: Contractor shall also install new three (3) inch diameter conduit for future street lighting within Garey Avenue median as shown on plans with 3/8" polypropylene pull rope and stub out into new pull boxes with caps. Installation of pull boxes per separate bid item.

Description: Conduit shall conform to the requirements of the Traffic and Lighting Provisions and the State Standard Specification for Subsection 86-2.05, "Conduit" and shall be deemed revised to include the following:

All conduit shall be Schedule 80 PVC, unless otherwise noted. Conduit shall be placed at a depth of not less than twenty-four (24) inches, nor more than sixty (60) inches below the flowline grade of the infiltration swale.

Conduit shall be installed within City right-of-way in a straight line run from pullbox to pullbox, unless otherwise noted or direct by the City Engineer.

Conduit runs are shown on drawings in schematic form only. Actual installation shall be done in the most direct manner in conformance with the Standard Specifications and State and National Codes.

All conduit shall be placed by jacking or drilling methods. In the event jacking or drilling is not possible, and with the approval of the engineer, the Contractor may use the trenching in pavement method and install pipe bedding and backfill as shown per plans.

Payment: Full compensation to **Install 3" Electrical Conduit for Future Street Lighting w/ 3/8" Nylon Pull Rope** shall be considered for all labor, material, equipment and all appurtenant work for the installation of future use conduit and shall be considered per linear foot. All the requirements stated above shall be included in the unit price bid and no additional compensation shall be made thereof.

INFILTRATION DRAINAGE – BID ITEM #s A-100 TO A-110

A. MAINTENANCE OF EXISTING IMPROVEMENTS

Unless otherwise indicated in the Plans or these Specifications, or unless otherwise cared for by the owner of a public utility or franchise, all water, gas, oil, stormwater, sewer or irrigation lines, structures or house laterals, in place, and other surface or subsurface structures or lines, shall be maintained by the Contractor and shall not be disturbed, disconnected, or damaged by him during the progress of the work. Should the Contractor in the performance of the work disturb, disconnect, or damage any of the above, all expenses of whatever nature arising from such disturbance or in the replacement or repair thereof shall be borne by the Contractor.

B. EXPOSURE OF UTILITIES IN ADVANCE OF WORK

It shall be the Contractor's responsibility to determine the exact location and depth of all utility crossings. He shall also determine the type, material, and condition of any utility which may be affected by or affect the work. The Contractor shall have all utility companies field locate all underground lines before start of construction.

In order to provide sufficient lead time to resolve unforeseen conflicts, order materials, and take other appropriate measures to ensure that there is no delay in work, the CONTRACTOR SHALL EXPOSE ALL UTILITY MAINS THAT MUST BE CROSSED OR CLOSELY PARALLELED PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL THEN IMMEDIATELY PROVIDE THE LOCATION AND DEPTH OF THE "POTHOLED" UTILITIES TO THE ENGINEER. All cost incurred on exposing the utilities shall be borne by the Contractor.

THE OWNER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS IN PIPELINE ALIGNMENT AND GRADE, ALL AT NO ADDITIONAL COST TO THE OWNER.

Failure of the Contractor to comply with these Provisions will result in an order to suspend work until these provisions are complied with, and no additional compensation or extension of time will be allowed as a result of such suspension.

C. PERFORATED PIPE – BID ITEM #s A-100 & A-108:

This Bid Item shall include all labor, equipment and materials necessary for the infiltration drainage trench including the installation of ~~two~~ 18" perforated smooth interior lined subdrains wrapped in gravel and filter fabric as shown on plans. Sub-drains shall be paid for on the basis of linear feet installed.

The pipes shall be continuously perforated dual wall high-density polyethylene pipe with smooth interior wall and corrugated exterior wall with perforations oriented down. Trench shall include the pipes surrounded by $\frac{3}{4}$ "-1 $\frac{1}{2}$ " stone washed gravel and wrapped in continuous (top, sides and bottom) MIRAFI 140N Non-Woven Geofabric per the detail of the plans. Infiltration trench shall have level transverse bottom with a positive outflow.

The material and work included in this item shall comply with the requirements and conditions of Subsection 207-1.7 "Perforated Pipe" and Section 306, "Underground Conduit Construction" of the