ITEM_NO	UNIT	DESCRIP	DESCRIPTION
101.0000	EA		Clear, grub and dispose of all trees as noted in the plans or as directed by the City for the sum of dollars and cents each.
101.0001	LS		Clear, grub and dispose of all trees as noted in the plans or as directed by the City for the lump sum of dollars and cents each.
102.0000	LS		Clear, grub and dispose of all trees as required for construction (subject to prior approval by the engineer) complete for the lump sum of dollars and cents.
103.0000	AC	TREES CLEAR & GRUB	For clearing, grubbing and removal of all bushes, shrubs and treesetc as needed along the proposed alignment, for the sum of cents per acre.
103.0100	LS	BUSHES, SHRUBS & TREES CLEAR, GRUB AND DISPOSE	For clearing, grubbing and removal of all bushes, shrubs and treesetc as needed along the proposed alignment, for the lump sum of dollars and cents.
104.0000	EA	SHRUBS REMOVE & DISPOSE	Clear, grub and dispose of all shrubs as noted in the plans complete and in place for the sum of dollars and cents each.
105.0000	LS		For removal and disposal (large areas) of all obstructions from the ROW and designated easements, including all clearing and grubbing for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
105.0100	LF	SHRUBS, BRUSH, TREES FROM ROW REMOVE & DISPOSE	For removal and disposal of all shrubs, brush, trees, etc from the ROW and designated easements, including all clearing and grubbing for the sum of dollars and cents per linear foot.
105.0110	LF	PLANTER BOX FROM ROW REMOVE & DISPOSE	For removal and disposal of a planter box from the ROW and designated easements, including all clearing and grubbing for the lump sum of dollars and cents.
105.1000	AC	OBSTRUCTION REMOVE & DISPOSE	For removal and disposal (large areas) of all obstructions from the ROW and designated easements, including all clearing and grubbing for the sum of dollars and cents per acre.
106.0000	EA	TREES REMOVE & DISPOSE	Clear, grub and dispose of all trees as noted in the plans or as directed by the City for the sum of dollars and cents each.
106.0300	EA	TREE ROOTS 3" DIA OR GREATER REMOVE & DISPOSE	Remove and dispose of tree roots 3" or greater in diameter including all incidentals necessary according to the plans for the sum of cents each.
107.0000	EA	TREES PROTECT	Protect of all trees as noted in the plans or as directed by the City for the sum of dollars and cents each.
108.0000	EA	TREE TRIM	Trim trees for clearance from professional tree trimming services and all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
110.0000		TRAFFIC SIGNAL/ LIGHT BASES REMOVE & DISPOSE	For removal and disposal of traffic or street light concrete bases (all types) at the locations shown and all incidentals according to the plans for the sum of dollars and cents each.
111.0000		STREET LIGHT STD. REMOVE & SALVAGE	Remove and salvage street light standard to Garland Power and Light, and all other incidentals necessary to complete in place, for the sum of dollars and cents per each.
112.0000		STREET LIGHT STD. REMOVE, SALVAGE STORE AND REINSTALL	Remove, salvage, store, and reinstall street light standard and all other incidentals necessary to complete in place, for the sum of cents per each.
113.0000	EA	PAVING MARKING REMOVE	
113.1000		PAVING MARKING TYPE 1 REMOVE	Remove Type 1 pavement markings including all necessary incidentals for the sum of dollars and cents per linear foot.
113.2000		PAVING MARKING TYPE 3 REMOVE	Remove Type 3 pavement markings including all necessary incidentals for the sum of dollars and cents per linear foot.
113.3000	EA	PAVEMENT MARKING LETTERING REMOVE	Remove pavement marking lettering including all necessary incidental for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
114.0000	EA	TRAFFIC ARROW REMOVE	Remove pavement marking lettering including all necessary incidental for the sum of dollars and cents each.
115.0000	EA	VEHICLE REMOVE & DISPOSE	Remove and dispose of abandoned vehicles (buried and above ground) including all necessary incidentals for the sum of dollars and cents each.
130.0000	SY	CONC PAVING SAW REMOVE & DISPOSE	For sawing, removal and disposal of existing reinforced or non-reinforced concrete, street, median, alley,sidewalk,parking lot or drive approach for the sum of dollars and cents per square yard.
131.0000	LF	CONC CURB & GUTTER REMOVE & DISPOSE	For the removal and disposal of existing concrete curb and gutter, complete for the sum of dollars and cents per linear foot.
132.0000	LF	CONC CURB & GUTTER SAW REMOVE & DISPOSE	For sawing, removal and disposal of existing monolithic concrete curb and gutter for the sum of dollars and cents per linear foot.
133.0000	SY	STREET, ALLEY, SIDEWALK, CURB & GUTTER REMOVE	Remove variable depth concrete street, alley, sidewalk, curb & gutter section, or median paving for the sum of dollars and cents per square yard.
134.0000	SY	DRIVEWAY SAW REMOVE & DISPOSE	For sawing, removal and disposal of existing driveway, for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
135.0000 S	SY	ASPHALTIC PAVING REMOVE & DISPOSE	For sawing, removal and disposal of existing asphaltic pavement, for the sum of dollars and cents per square yard.
135.1000 S	SY	GRAVEL DRIVE REMOVE & DISPOSE	Remove and dispose gravel drive including all necessary incidental for the sum of dollars and cents per square yard.
136.0000 C	Υ	EXCAVATION UNCL. ROADWAY	Unclassified roadway, alley, or driveway excavation including all clearing, hauling and disposal of surplus for the sum of dollars and dollars and cents per cubic yard.
136.0100 S	SY	EXCAVATION 4" DEPTH ROADWAY	For the roadway undercut excavation in rock, 4 inches in depth below subgrade, including all clearing, hauling, and disposal of surplus for the sum of dollars and cents per square yard.
137.0000 C	Υ	EXCAVATION UNCL BORROW	For unclassified borrow excavation from areas shown on the plans including all clearing, hauling and disposal of surplus for the sum of dollars and cents per cubic yard.
138.0400 L	F	SIDEWALK 4' SAW REMOVE & DISPOSE	For sawing, removal and disposal of existing 4' concrete sidewalk, for the sum of dollars and cents per linear foot.
138.0600 L	F	SIDEWALK 6' SAW REMOVE & DISPOSE	For sawing, removal and disposal of existing 6' concrete sidewalk, for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
138.0601	SY	SIDEWALK 6' SAW REMOVE & DISPOSE	For sawing, removal and disposal of existing 6' concrete sidewalk, for the sum of dollars and cents per square yard.
139.0000	LF	ASPHALT SIDEWALK REMOVE & DISPOSE	For sawing, removal and disposal of existing asphalt sidewalk, for the sum of dollars and cents per linear foot.
140.0000	EA	SALVAGE & TRANSPORT	Remove, salvage, clean and transport to City of Garland Warehouse existing fire hydrant all according to the plans for the sum of dollars and cents each.
141.0000	EA	DISPOSE	Remove and dispose of existing Fire Hydrants as indicated on the plans for the sum of dollars and cents each.
142.0000	EA		Remove and relocate of existing Fire Hydrants including all incidentals necessary according to the plans for the sum of dollars and cents each.
143.0000	EA	DISPOSE	Remove and dispose of existing water pipe as indicated on the plans for the sum of dollars and cents each.
144.0000	LF	DISPOSE	Remove and dispose of existing water pipe as indicated on the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
145.0000 E	ĒΑ		For the closing of valve, removal of valve stack, and backfilling of excavated area all according to the specifications and details for the sum of dollars and cents per each.
145.0001 E	ĒΑ		Remove and dispose existing water valve, and backfilling of excavated area all according to the specifications and details for the sum of dollars and cents per each.
145.0002 E		SALVAGE & TRANSPORT	Remove, salvage & transport to the City Of Garland warehouse existing gate valve including all necessary incidentals for the sum of dollars and cents each.
146.0000 E	ĒΑ		Remove existing Meter Box including all incidentals necessary according to the plans for the sum of dollars and cents each.
147.0000 L			Demolish, remove and dispose concrete blocking, including all necessary incidentals for the lump sum of dollars and cents.
148.0000 E	ĒA	WATER WELL	Plug water well complete and in place including all incidentals necessary according to the plans for the sum of cents each.
149.0000 E		DISPOSE	Remove and dispose existing sanitary or storm sewer manhole as shown in the plans and all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
149.0001	EΑ	MANHOLE REMOVE & DISPOSE, CONNECT TO EXIST 6"SS	Remove and dispose existing sanitary or storm sewer manhole, connect to existing 6" sanitary sewer as shown in the plans and all incidentals according to the plans for the sum of dollars and cents each.
149.0002	EA	MANHOLE REMOVE & DISPOSE, CONNECT TO EXIST 8"SS	Remove and dispose existing sanitary or storm sewer manhole, connect to existing 8" sanitary sewer as shown in the plans and all incidentals according to the plans for the sum of dollars and cents each.
149.0003	EA	CONCRETE VAULTS REMOVE & DISPOSE	Remove and dispose existing sanitary or storm sewer concrete vaults, inluding all necessary incidentals, for the sum of dollars and cents each.
150.0000	EA	MANHOLE REMOVE & BACKFILL	Remove and backfill existing sanitary or storm sewer manhole as shown in the plans and all incidentals according to the plans for the sum of dollars and cents each.
151.0000	EA	MANHOLE COLLAPSE & BACKFILL	Collapse and backfill existing sanitary or storm sewer manhole as shown in the plans and all incidentals according to the plans for the sum of dollars and cents each.
152.0000	EA	LIFT STATION REMOVE & DISPOSE	Remove and backfill existing sanitary sewer lift stations at the locations shown in the plans complete and in place for the sum of cents each.
153.0000	EA	LIFT STATION REMOVE & SALVAGE	Excavate, remove, clean, salvage and transport to destination as noted in the plans various sizes sanitary sewer lift stations complete and in place for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
153.0010	EA	LIFT STATION REMOVE & SALVAGE (Shore Of Wellington)	Excavate, remove, clean, salvage and transport to destination as noted in the plans (Shores of Wellington) sanitary sewer lift station complete and in place for the sum of dollars and cents each.
153.0020	EA	LIFT STATION REMOVE & SALVAGE (Hubbard Hills)	Excavate, remove, clean, salvage and transport to destination as noted in the plans (Hubbard Hills) sanitary sewer lift station complete and in place for the sum of dollars and cents each.
154.0001	EA	SAN SEWER RING & COVER REMOVE & DISPOSE	Remove and dispose existing sanitary sewer ring and cover, including all materials, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
155.0000	LS	SAN SEWER AERIAL CROSSING REMOVE & DISPOSE	For removal and disposal of existing aerial crossing, for the lump sum of dollars and cents.
156.0000	LF	SAN SEWER FORCE MAIN REMOVE & DISPOSE	For removal and disposal of existing force main, for the sum of dollars and cents each.
156.0400	LF	SAN SEWER 4" FORCE MAIN REMOVE & DISPOSE	For removal and disposal of existing 4" force main, for the sum of dollars and cents per linear foot.
156.0600	LF	SAN SEWER 6" FORCE MAIN REMOVE & DISPOSE	For removal and disposal of existing 6" force main, for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
156.0800	LF	SAN SEWER 8" FORCE MAIN REMOVE & DISPOSE	For removal and disposal of existing 8" force main, for the sum of dollars and cents per linear foot.
156.1000	LF	SAN SEWER 10" FORCE MAIN REMOVE & DISPOSE	For removal and disposal of existing 10" force main, for the sum of dollars and cents per linear foot.
157.0000	LF	SAN SEWER REMOVE & DISPOSE	For removal and disposal of existing sanitary sewer, for the sum of dollars and cents each.
157.0600	LF	SAN SEWER 6" REMOVE & DISPOSE	For removal and disposal of existing 6" sanitary sewer, for the sum of dollars and cents per linear foot.
157.1000	EA	CLEANOUT SAN SEWER REMOVE & DISPOSE	For removal and disposal of existing sanitary sewer cleanout, for the sum of dollars and cents each.
157.1200	LF	SAN SEWER 12" REMOVE & DISPOSE	For removal and disposal of existing 12" sanitary sewer, for the sum of dollars and cents per linear foot.
157.1800	LF	SAN SEWER 18" REMOVE & DISPOSE	For removal and disposal of existing 18" sanitary sewer, including all necessary incidentals, for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
157.2400	LF	SAN SEWER 24" REMOVE & DISPOSE	For removal and disposal of existing 24" sanitary sewer, including all necessary incidentals, for the sum of dollars and cents per linear foot.
157.3600	LF	SAN SEWER 36" REMOVE & DISPOSE	For removal and disposal of existing 36" sanitary sewer, including all necessary incidentals, for the sum of dollars and cents per linear foot.
157.4800	LF	SAN SEWER 48" REMOVE & DISPOSE	For removal and disposal of existing 48" sanitary sewer, including all necessary incidentals, for the sum of dollars and cents per linear foot.
157.5400	LF	SAN SEWER 54" REMOVE & DISPOSE	For removal and disposal of existing 54" sanitary sewer, including all necessary incidentals, for the sum of dollars and cents per linear foot.
158.2400	CY	CONCRETE GROUT REMOVE & DISPOSE	For removal and disposal of CONCRETE GROUT, for the sum of dollars and cents per CUBIC YARD.
159.0000	CY	CONCRETE GROUT BACKFILL	Backfill of existing sanitary sewer encasement under railroad tracks with concrete grout, complete and in place for the sum of cents per cibiv yard.
160.0000	LF	LARGE STRUCTURE REMOVE & DISPOSE	For the removal and disposal of existing large structures complete for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
160.1000	ĒΑ	LARGE STRUCTURE REMOVE & DISPOSE	For the removal and disposal of existing large structures complete for the sum of dollars and cents each.
161.0000	EA	HEADWALLS & WING WALLS REMOVE & DISPOSE	Excavate, remove and dispose of reinforced concrete headwalls and wing walls of various sizes for the sum of dollars and cents each.
161.1000	СҮ	HEADWALLS & WING WALLS REMOVE & DISPOSE	Excavate, remove and dispose of reinforced concrete headwalls, wing walls and footings of various sizes and all other incidentals necessary according to the plans for the sum of dollars and cents per cubic yard.
162.0000	LF	WOOD RETAINING WALL REMOVE & DISPOSE	For removal and disposal of variable height wood retaining wall for the sum of dollars and cents per linear foot.
163.0000	LF	LANDSCAPE WALL REMOVE & SALVAGE	For removal and disposal of variable height landscape wall for the sum of dollars and cents per linear foot
163.0001	LF	BRICK WALL REMOVE & DISPOSE	Remove and salvage of brick wall according to the plans for the sum of dollars and cents per linear foot.
163.0002	EA	TRASH REMOVE	

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
164.0000	LF	SCREENING WALL REMOVE & DISPOSE	For removal and disposal of variable height reinforced concrete screening wall for the sum of dollars and cents per linear foot.
164.0010		CONCRETE PIER REMOVE & DISPOSE	For removal and disposal of concrete pier for the sum of dollars and cents each.
164.0020		TOP 18" CONCRETE PIER & CAP REMOVE AND DISPOSE	For removal and disposal top 18" concrete pier and cap for the sum of dollars and cents per square yard.
164.0030	SY	4" CONCRETE MOW STRIP REMOVE & DISPOSE	For removal and disposal of 4" concrete mow strip under existing wall for the sum of dollars and cents per square yard.
165.0000	LF	CONCRETE RETAINING WALL REMOVE & DISPOSE	For removal and disposal of variable height concrete retaining wall for the sum of dollars and cents per linear foot.
165.0001		CONCRETE RETAINING WALL 0-4' REMOVE & DISPOSE	For removal and disposal of 0 - 4 feet concrete retaining wall for the sum of dollars and cents per linear foot.
165.0004	LF	CONCRETE RETAINING WALL 4'-10' REMOVE & DISPOSE	For removal and disposal of 4 - 10 feet concrete retaining wall for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
165.0005	LF	CONCRETE RETAINING WALL 5'-10' REMOVE & DISPOSE	For removal and disposal of 5 - 10 feet concrete retaining wall for the sum of dollars and cents per linear foot.
166.0000	SY	WOOD DECK REMOVE & DISPOSE	Remove and dispose of existing wood deck according to the plans for the of dollars and cents per square yard.
170.0000	LS	BRIDGE REMOVE & DISPOSE	Remove and dispose of existing bridge according to the plans for the lump sum of dollars and cents.
170.1000	EA	WOODEN FOOTBRIDGE BRIDGE REMOVE & DISPOSE	Remove and dispose of existing wooden footbridge according to the plans for the lump sum of dollars and cents each.
171.0000	LF	PEDESTRIAN RAIL REMOVE & DISPOSE	For removing and disposing of existing pedestrian rail including cutting, hauling, grinding and treating exposed anchor rod ends, and all incidentals necessary for the sum of cents per linear foot.
172.0000	LF	GUARDRAIL REMOVE & SALVAGE	Remove, salvage and transport to City of Garland Warehouse existing metal beam guardrail and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
172.1000	EA	GUARDPOST REMOVE & DISPOSE	Remove and dispose existing guardpost and all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
172.2000	EA	SINGLE GUARDRAIL TERMINAL REMOVE & SALVAGE	Remove, salvage and transport to City of Garland Warehouse existing single guardrail terminal (SGT) and all incidentals necessary according to the plans for the sum of dollars and cents each.
172.3000	LS	CASTLE GUARD REMOVE & DISPOSE	Remove and dispose of castle guard and all incidentals necessary according to the plans for the lump sum of dollars and cents.
173.0000	LF	BARRICADES & GUARD RAILS REMOVE & DISPOSE	For removing and disposal or salvaging of all barricades and guard rail, complete and in place for the sum of dollars and cents per linear foot.
174.0000	LF	BRIDGE RAIL SAW REMOVE & DISPOSE	Sawcut remove and dispose off-site of various thickness concrete bridge rail, complete for the sum of dollars and cents per linear foot.
175.0000	EA		Relocate storage shed, including all incidentals necessary according to the plans for the sum of dollars and cents each.
176.0000	LF	VARIABLE TYPE FENCE REMOVE & DISPOSE	Remove and dispose of variable type fencing, of all heights, including gates and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
177.0000	LF		Remove and dispose of variable height chain link fence at the locations shown on the plans, complete for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
177.0400	LF		Remove and dispose 4 foot height chain link fence at the locations shown on the plans, complete for the sum of dollars and cents per linear foot.
177.0500	LF	CHAIN LINK FENCE 5' REMOVE & DISPOSE	Remove and dispose 5 foot height chain link fence at the locations shown on the plans, complete for the sum of dollars and cents per linear foot.
177.0600	LF	CHAIN LINK FENCE 6' REMOVE & DISPOSE	Remove and dispose 6 foot height chain link fence at the locations shown on the plans, complete for the sum of dollars and cents per linear foot.
178.0000	LF		Remove wood fence including all materials, and all other incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
178.0001	EA		Remove and dispose 6' wood sliding gate, including all materials, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
178.0600	LF		Remove 6 foot high wood fence including all materials, and all other incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
178.0800	LF		Remove 8 foot high wood fence including all materials, and all other incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
179.0000	LF	TEMP LIVESTOCK FENCE REMOVE & DISPOSE	Remove and dispose of temporary livestock fence according to the plans for the sum of dollars and cents per linear foot.
180.7000	LF	CORRUGATED METAL PIPE VARIOUS SIZES REMOVE & DISPOSE	Excavate, remove and dispose of corrugated metal pipe culvert/ storm sewer complete for the sum of dollars and cents per linear foot.
181.0000	EA	CURB INLET REMOVE & DISPOSE	For removal and disposal of recessed or standard curb inlets for the sum of dollars and cents each.
182.0000	EA	INLET, JUNCTION BOX OR HEADWALL REMOVE	Remove one (1) existing inlet box, junction box, or headwall for the sum of dollars and cents each.
183.1000	EA	DISPOSE	For removal and disposal of "Y" type inlets 3600 PSI for the sum of dollars and each.
183.2000	EA	GRATE INLET REMOVE & DISPOSE	For removal and disposal of GRATE type inlets for the sum of dollars and each.
183.3000	EA	SLOTTED DRAIN REMOVE & DISPOSE	For removal and disposal of slotted drain type inlets for the sum of dollars and each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
184.0000	LF	BOX CULVERT REMOVE & DISPOSE	For removal and disposal of box culvert for the sum of dollars and cents per linear foot.
185.0000	SY	CHANNEL PAVING CONCRETE OR RIP-RAP REMOVE	Remove variable depth concrete channel pavement or rip-rap for the sum of dollars and cents per square yard.
185.0001	SY	CHANNEL PAVING RANGE 0-15 SY REMOVE	Remove variable depth concrete channel pavement or rip-rap at designated locations in which the removed area is from 0-15 square yards for the sum of dollars and cents per square yard.
185.1000	SY	RIPRAP CHANNEL PAVING REMOVE	Remove variable depth riprap channel pavement or rip-rap for the sum of dollars and cents per square yard.
186.1200	CY	GABION BLANKET 12" REMOVE	Remove 12" Gabion blanket, wire, fiber fabric, rock of the thickness according to the plans, specifications and details complete and in place for the sum of dollars and cents per cubic yard.
187.0000	CY	EXCAVATION UNCLASSIFIED CHANNEL	Unclassified channel excavation, all clearing, hauling and disposal of surplus for the sum of dollars and cents per cubic yard.
187.1000	CY	EXCAVATION EXCESS HAUL OFF	Excess haul off excavation, all clearing, hauling and disposal of surplus for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
188.0000 L	F	PVC PIPE REMOVE & DISPOSE	Excavate, remove and dispose of various sizes of PVC storm sewer and and all other incidentals necessary, according to the plans and specifications, complete in place for the sum of dollars and cents per linear foot.
190.0000 L	S	ANIMAL STALLS REMOVE & DISPOSE	Remove and dispose of animal stalls (wood or metal) complete at the location shown on the plans for the lump sum of dollars andcents.
191.0000 E	A	SEPTIC TANK REMOVE & DISPOSE	Dewater, remove and dispose existing septic tanks including disconnecting service line, back-filling hole, and removing drain tiles as necessary as indicated on the plans complete for the sum of dollars and cents each.
192.0000 E	A	PIPE BOLLARDS REMOVE & DISPOSE	Remove and dispose steel bollards, and all other incidentals necessary to complete in place all according to the plans for the sum of cents each.
192.1000 E	A	WOOD POSTS REMOVE & DISPOSE	Remove and dispose wood posts, and all other incidentals necessary to complete in place all according to the plans for the sum of cents each.
193.0000 L	S	FUEL TANKS REMOVE & DISPOSE	Removal, Handling and Disposal of identified fuel tanks in accordance with Texas Department of Health, EPA and OSHA Rules and regulations as shown on the plans and all incidentals according to the plans for the lump sum of dollars and cents each.
194.0000 E	A	ENTRY SIGN REMOVE & SALVAGE	Remove and salvage entry sign including all labor & incidentals necessary for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
196.0000	LF	TRENCH SAFETY	Furnish and install complete trench safety including all incidentals necessary according to the specifications, details, and State and Federal regulations for the sum of cents per linear foot.
198.0000	LF	UNDERGROUND ELECTRICAL. DUCT REMOVE & DISPOSE	Remove and dispose existing underground electrical duct the for the sum of dollars and cents per linear foot.
199.0000	LS	MISCELLANEOUS REMOVAL ITEM	For the removal and disposal of miscellaneous item as described in the plans, complete for the lump sum of dollars and cents.
199.0001	LS	APARTMENT STRUCTURE REMOVE & DISPOSE	For the removal and disposal of existing apartment structures complete for the lump sum of dollars and cents.
199.0002	LS	ASBESTOS CONTAINING MATERIAL REMOVAL, HANDLING & DISPOSAL	For the removal handling and disposal of identified asbestos containing complete for the lump sum of dollars and cents.
199.0003	LS	ASBESTOS CONTAINING MATERIAL REMOVE, HANDLING & DISPOSAL	Removal, handling and Disposal of identified Asbestos Containning Material in accordance with Texas Department of Health, EPA and OSHA Rules and regulations as shown on the plans and all incidentals according to the plans for the lump sum of dollars and cents.
199.0004	LS	REMOVE & DISPOSE	Demolition of identified structures in accordance with the City Of Garland, Texas Department of Safety, Health and A, EPA and OSHA requirementss as shown on the plans and including all incidentals according to the plans for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
199.0005 LS	S		Dissemble radio tower, remove from site and dispose at an approved salvage or land fill location for the lump sum of dollars and cents.
199.0006 LS	S	CERAMIC FLOOR & ASBESTOS REMOVE & MITIGATE	Remove and mitigate ceramic floor and asbestos containing floor tile and mastic tile in suites 407 and 411 after building demolition a part of as described in the specifications and all incidentals according to the plans for the lump sum of dollars and cents.
199.0007 LF	F	CONCRETE BLOCK WALKWAY REMOVE	Remove, salvage and reconstruct concrete block walkway for the sum of dollars and cents per linear foot.
199.0008 LF	F	FLAGSTONE WALKWAY REMOVE	Remove, salvage and reconstruct flagstone walkway for the sum of dollars and cents per linear foot.
199.0009 E	A	BIRD HOUSE REMOVE, STORE & REINSTALL	Remove, store and reinstall bird house including concrete base for the lump sum of dollars and cents per each.
199.0010 E	A	WINDMILL REMOVE, STORE & REINSTALL	Remove, store and reinstall windmill including concrete base for the lump sum of dollars and cents per each.
199.0011 S`	Y	DRY STONE RIPRAP TYPE 'A' REMOVE	Remove and replace 12" Type 'A' dry stone riprap (match existing materials) for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
199.0012	EA	WOOD BOLLARD REMOVE AND REPLACE	Remove and replace wood bollard for the sum of dollars and cents per each.
199.0013	EA	PET WASTE STATION REMOVE & DISPOSE	Remove and dispose pet waste station inckuding all necessary incidentals for the sum of dollars and cents per each.
201.0000	TON	HYDRATED LIME	Hydrated lime for subgrade treatment all according to the plans and specifications complete and in place for the sum of dollars and cents per ton.
202.1000	SY	SUBGRADE MIX LIME	Pulverizing, mixing and compacting 6 inch thick, 6 percent lime slurry subgrade compacted to 95% proctor density for the sum of dollars and cents per square yard.
202.2000	CY	SUBGRADE CRUSHED ROCK	For crushed rock, subgrade placement to the thickness shown on the plans, and including all other incidentals necessary according to the plans for the sum of dollars and cents per cubic yard.
202.3000	TON	SUBGRADE CEMENT TREATED	For cement for subgrade treatment all according to the plans and specifications complete and in place for the sum of dollars and cents per ton.
202.4000	SY	SUBGRADE ASPHALT PAVEMENT	For Type A asphaltic concrete pavement subgrade treatment all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
202.5000	SY	SUBGRADE CEMENT	Pulverizing, mixing and compacting cement subgrade compacted to 95% proctor density for the sum of dollars and cents per square yard.
202.6000	SY	SUBGRADE WOVEN GEOTEXTILE FABRIC	For woven geotextile fabric subgrade treatment including all necessary incidentals for the sum of dollars and cents per square yard.
203.0000	CY	BORROW DELIVERED	Borrow delivered to job site requiring fill including hauling, placement and compaction (95% proctor density) for the sum of dollars and cents per cubic yard.
203.0100	SY	BORROW DELIVERED, 4" COHESIVE MATERIAL	For four inch (4") cohesive material (P.I.<12, not including sand or gravel) delivered, placed in rock undercut areas and compacted to 95% Standard Proctor Density accoeding to the plans and specifications for the sum of dollars and cents per square yard.
203.1000	SY	TOP SOIL 4"	For four inch (4") top soil delivered, placed and compacted to 95% Standard Proctor Density according to the plans, specifications and details for the sum of dollars and cents per square yard.
203.2000	SY	TOP SOIL 6"	For six inch (6") top soil delivered, placed and compacted to 95% Standard Proctor Density according to the plans, specifications and details for the sum of dollars and cents per square yard.
203.2010	SY	TOP SOIL 6" BORROW	For six inch (6") top soil boroow delivered, placed and compacted to 95% Standard Proctor Density according to the plans, specifications and details for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
203.3000	SY	TOP SOIL	For top soil delivered, placed and compacted to 95% Standard Proctor Density according to the plans, specifications and details for the sum of dollars and cents per square yard.
203.4000	SY	TOP SOIL 12"	For twelve inch (12") top soil delivered, placed and compacted to 95% Standard Proctor Density according to the plans, specifications and details for the sum of dollars and cents per square yard.
203.4010	SY	TOP SOIL 12" BORROW	For twelve inch (12") top soil borrow delivered, placed and compacted to 95% Standard Proctor Density according to the plans, specifications and details for the sum of dollars and cents per square yard.
204.0000	CY	COMPACTION OF FILL	For compaction of fill dirt in all areas designated on the plans to 95% standard proctor density at optimum moisture content and including all hauling and placement for the sum of cents per cubic yard.
204.1000	CY	COMPACTION	For compaction of all areas designated on the plans to 95% standard proctor density at optimum moisture content and including all hauling and placement for the sum of dollars and cents per cubic yard.
205.0600	SY	6" THICK LIME & CEMENT	Pulverizing, mixing, and compacting 6 inch thick lime and cement according to the plans, specifications and details for the sum of dollars and cents per square yard.
205.2000	SY	TWO PASSES THICK LIME & CEMENT	Pulverizing, mixing, and compacting lime and cement subgrade in two passes in according to the plans, specifications and details for the sum of dollars and cents per square yard.

ITEM_NO UNIT	DESCRIP	DESCRIPTION
206.0600 SY	6" THICK ASPHALTIC CONCRETE	For asphaltic concrete subgrade placement to the thickness shown on the plans, and including all other incidentals necessary according to the plans for the sum of dollars and
		cents per square yard.
206.0800 SY	8" THICK ASPHALTIC CONCRETE	For asphaltic concrete subgrade placement to the thickness shown on the plans, and including all other incidentals necessary according to the plans for the sum of dollars and
		cents per square yard.
207.0000 CY	SUBGRADE REPLACEMENT	Subgrade replacement under proposed gabion wall consisting of replacement of soils with a cementitious flowable fill material from the top of the grey limestone to the bottom of the gabion wall, to the fill limits shown, including all incidentals necessary according to the plans for the sum of dollars and
		cents per cubic yard.
207.1000 CY	SUBGRADE REPLACEMENT UNDER PROPOSED GABION MATTRESS	Subgrade replacement under proposed gabion mattress consisting of replacement of soils with a cementitious flowable fill material from the bottom of the trench to the bottom of the gabion mattress, to the fill limits shown, including all incidentals necessary according to the plans for the sum of dollars and cents per cubic yard.
208.0000 CY	LANDFILL MATERIAL REMOVAL & DISPOSAL & REPLACE WITH SELECT FILL	For the removal and disposal of landfill material and unsuitable or unstable soil that is excavated in the pipe trenches or other loctions not shown on the drawings but identified during construction and replacement with select fill delivered and property installed within the trenchs or other identified locations all acording to the plans and specifications for dollars and
208.0010 CY	NON-HAZARDOUS LANDFILL MATERIAL REMOVAL & DISPOSAL & REPLACE WITH GENERAL FILL	For the removal and disposal of non-hazardous landfill material and unsuitable or unstable soil that is excavated in the pipe trenches or other locations not shown on the drawings but identified during construction and replacement with general fill delivered and property installed within the trenchs as trench backfill or other identified locations all acording to the plans and specifications for
208.0020 CY	HAZARDOUS LANDFILL MATERIAL REMOVAL & DISPOSAL & REPLACE WITH GENERAL FILL	For the removal and disposal of hazardous landfill material and unsuitable or unstable soil that is excavated in the pipe trenches or other locations not shown on the drawings but identified during construction and replacement with general fill delivered and property installed within the trenchs as trench backfill or other identified locations all acording to the plans and specifications for

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
210.0000	SY	FLEX BASE	Flexible base for the thickness as shown in the plans for the sum of dollars and cents per square yard.
210.0100	CY	FLEX BASE	Flexible base for the thickness as shown in the plans for the sum of dollars and
			cents per cubic yard.
210.0800	SY	FLEX BASE	Flexible base 8" for the thickness as shown in the plans for the sum of dollars and
			cents per square yard.
211.0000	CY	CRUSHED ROCK	For crushed rock embedment in accordance with the NTCOG specification item No.2.1.7(d)(3) including all placing, compaction, hauling and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.
211.0001		CRUSHED ROCK NTCOG NO. 504.2.1	For four inch (4") crushed rock embedment in accordance with the NTCOG specification item No.504.2.2.1 including all placing, compaction, hauling and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard
212.0000	SY	CEMENT TREATED BASE	Cement treated base material (CTB), including spreading, compaction, shaping and finishing all according to the plans, specifications and details for the sum of dollars and cents per square yard.
213.0000	CY	SELECT FILL SAND	Select granular material utilized to improve subgrade for the sum of dollars and
			cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
213.0100	CY	SLAB BASE	For reworking approach slab base material by removing, moisture processing and recompacting to improve subgrade all according to the plans and specifications for the sum of dollars and cents per cubic yard.
214.0000	TON	ASPHALT FILL 2" CONSTRUCT	For 2 inch Type "B" HMHL asphalt fill according to the plans and specifications for the sum of dollars and cents per ton.
215.0000	CY		For sand cement backfill, 2 sacks cement per cubic yard of sand complete and in place for the sum of dollars and cents per cubic yard.
215.1000	CY	CEMENT STABILIZED BACKFILL	For cement stabilized per TxDOT including all necessary incidentals for the sum of dollars and cents per cubic yard.
216.0000	CY	SANDY LOAM BACKFILL	For sandy loam backfill or fill dirt, to be placed and spread uniformly at designated locations, including all transporting, placing, spreading, and grading for the sum of dollars and cents per cubic yard.
217.0000	CY		Backfill of existing sanitary sewer encasement with concrete grout, complete and in place for the sum of dollars and cents per cibiv yard.
219.0000	TN	FLEX BASE, CRUSHED CONCRETE, CRUSHED GRAVEL, GRAVEL or FINES FURNISH & COMPACT	Furnish and compact to City Standards flexible base, crushed concrete, crushed gravel, gravel or fines including all necessary incidentals for the the sum of dollars and cents per ton.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
220.0000	HR	HYDRO-HAMMER	For the use of a Hydro-hammer to break out existing concrete including all labor & incidentals necessary for the sum of dollars and cents per hour.
265.0400	SY	TOPSOIL 4"	4 inch thick topsoil in all areas to receive seed or sod including all incidentals according to the plans, technical specification TS-600, and details for the sum of dollars and cents per square yard.
269.0000	SY	HYDROMULCH	Hydromulch including all incidentals according to the plans for the sum of dollars and cents per square yard.
269.0001	SY	HYDROMULCH WITHIN CITY OF GARLAND PARK PROPERTY	Hydromulch within City Of Garland park property including all incidentals according to the plans for the sum of dollars and cents per square yard.
269.2000	SY	HYDROMULCH WITH SHADE FRIENDLY GRASS MIX SEED BY NATIVE AMERICAN SEED	For Hydromulch with Shade Friendly Grass Mix Seed by Native American Seed or approved equal in Park areas, including sprinkling and fertilizer complete and in place for the sum of cents per square yard.
269.3000	SY	HYDROMULCH WITH BERMUDA/ RYE MIX SEED	For Hydromulch with Bermuda / Rye mix seed, including sprinkling and fertilizer comlpete and in place for the sum of dollars and cents per square yard.
269.4000	SY	HYDROMULCH WITH BERMUDA SEED	For Hydromulch with Bermuda seed, including sprinkling and fertilizer complete and in place for the sum of cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
270.0000	SY	SEEDING	Seeding, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
270.1000	SY	SEEDING BERMUDA	Bermuda seeding, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
270.3000	SY	SEEDING RYE TURF	Rye Turf seeding, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
270.4000	SY	SEEDING RYE TURF	Rye Turf seeding, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
270.5000	SY	SEEDING "SHADE- FRIENDLY" GRASS MIX	Seeding with approved 'shade-friendly' grass mix, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
271.0000	SY	SODDING	Sodding , including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
271.1000	SY	SODDING BERMUDA	Bermuda sodding for erosion control, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
271.2000	SY	SODDING ST. AUGUSTINE	St. Augustine sodding, including fertilizer and sprinkling complete and in place for the sum of dollars and cents per square yard.
272.0000	SF	TURF TYPE PAVESTONE FURNISH & INSTALL	Furnish and install Turf Type Pavestone including bedding material and all incidentals according to the plans for the sum of dollars and cents per square foot.
273.0000	MO	MOWING	Mowing, including all incidentals according to the plans for the sum of dollars and cents per month.
274.0000	CY	DREDGING	Dredging complete and in place for the sum of cents per cubic yard.
275.0000	LF	RET WALL CROSS TIE CONSTRUCT	Construction of new cross tie retaining wall and all incidentals according to the plans for the sum of dollars and cents per linear foot.
280.0000	SY	TURF REINFORCEMENT MAT FURNISH & INSTALL	Furnish and install Turf Reinforcement Mat and all incidentals according to the plans for the sum of dollars and cents per square yard.
301.0000	TN	ASPHALT OVERLAY TYPE "D" HMHL CONSTRUCT	Construct Type D HMHL asphaltic concrete pavement overlay to the thickness noted on the plans on existing paving or base according to the plans for the sum of dollars and cents per ton.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
301.0200	TN	ASPHALT OVERLAY 2" TYPE "D" HMHLCONSTRUCT	Construct 2" type D HMHL asphaltic concrete pavement overlay to the thickness noted on the plans on existing paving or base according to the plans for the sum of dollars and cents per ton.
302.0000	SY		Construct Type D HMHL asphaltic concrete pavement to the thickness noted on the plans,on specified base, all according to the plans for the sum of dollars and cents per square yard.
302.0200	SY	ASPHALT PAVEMENT 2" TYPE "D" HMHL CONSTRUCT	Construct 2 inch Type D HMHL asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.
302.0300	SY	ASPHALT PAVEMENT 3" TYPE "D" HMHL CONSTRUCT	Construct 3 inch Type D HMHL asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.
302.0400	SY	ASPHALT PAVEMENT 4" TYPE "D" HMHL CONSTRUCT	Construct 4 inch Type D HMHL asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.
302.0600	SY	ASPHALT PAVEMENT 6" HMHL CONSTRUCT	Construct 6 inch Type D HMHL asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.
303.0200	SY	ASPHALT PAVEMENT 2" TYPE "B" HMAC CONSTRUCT	Construct 2" Type B HMAC asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
303.0210 S	Υ	ASPHALT PAVEMENT 2" TYPE "C" HMAC CONSTRUCT	Construct 2" Type C HMAC asphaltic concrete pavement including all necessary incidentals for the sum of dollars and cents per square yard.
303.0400 S	Y	ASPHALT PAVEMENT 4" TYPE "B" HMAC CONSTRUCT	Construct 4" Type B HMAC asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and dollars and cents per square yard.
303.0410 S	Y	ASPHALT PAVEMENT 4" TYPE "C" HMAC CONSTRUCT	Construct 4" Type C HMAC asphaltic concrete pavement on specified base including all necessary incidentals for the sum of dollars and cents per square yard.
303.0500 S	Y	ASPHALT PAVEMENT 5" TYPE "B" HMAC CONSTRUCT	Construct 5" Type B HMAC asphaltic concrete pavement on specified base all according to the plans and specifications complete and in place for the sum of dollars and cents per square yard.
303.0600 S	Υ	ASPHALT PAVEMENT 6", 4" TYPE 'B' AND 2" TYPE 'D' CONSTRUCT	Construct 6" HMHL Asphalt Paving consisting of 4" Type B base course and 2" Type D top course, in accordance with City specification and Details for the sum of dollars and cents per square yard.
304.0000 S	Υ	ASPHALT PAVING TYPE HMAC CONSTRUCT	For 1-1/2" HMAC on existing Flex Base used in the construction of temporary roadway, including all other incidentals necessary for the sum of dollars and cents per square yard.
305.0000 S	Υ	CONC POUR FINISHING	For providing an exposed aggregate finish on new concrete pours, including all labor, materials, and incidentals necessary to complete in place for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION	
306.0000	SY	ASPHALT PAVEMENT TEMPORARY CONSTRUCT	Construct temporary asphalt paving all according to the plans and specification complete and in place, for the sum of cents per square yard.	
306.0200	SY	ASPHALT PAVEMENT 2" TEMPORARY CONSTRUCT	Construct 2" thick temporary asphalt paving all according to the plans and specifications, complete and in place, for the sum of and per square yard.	cents
306.0400	SY	ASPHALT PAVEMENT 4" TEMPORARY CONSTRUCT	Construct 4" thick temporary asphalt paving all according to the plans and specifications, complete and in place, for the sum of and per square yard.	cents
306.0410	SY	ASPHALT PAVEMENT 4" TEMPORARY CONSTRUCT	Construct 4" thick temporary asphalt paving including maintenance, removal, cand all necessary incidentals for the sum of and cents per square yard.	
306.0600	sy	ASPHALT PAVEMENT 6" TEMPORARY CONSTRUCT	Construct 6" thick temporary asphalt paving all according to the plans and specifications, complete and in place, for the sum of and per square yard.	cents
306.0800	SY	ASPHALT PAVEMENT 8" TEMPORARY CONSTRUCT	Construct 8" thick temporary asphalt paving (2" Type C over 6" Type B) all acc to the plans and specifications, complete and in place, for the sum of and per square yard.	cents
307.0000	SY	SPEED HUMP REMOVE & REPLACE	Remove and replace speed hump, for the sum of dollars and cents presquare yard.	oer

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
308.0500 S	Υ	TRAIL 5" CLASS C CONSTRUCT	Construct 5 inch thick, reinforced Class C concrete trail paving including all incidentals necessary for the sum of dollars and cents per square yard.
311.0400 S	Y	SIDEWALK 4" CLASS A CONSTRUCT	Construct 4 inch thick, reinforced Class A concrete sidewalk paving including all excavation, forming, expansion joint materials for the sum of dollars and cents per square yard.
311.0410 S	Y	SIDEWALK 4" CLASS A WITH 24" X 48" JOINT PATTERN CONSTRUCT	Construct 4 inch, reinforced Class A concrete sidewalk with 24 inch x 48 inch joint pattern including all excavation, forming, expansion joint materials for the sum of dollars and cents per square yard.
311.0500 S	Y	SIDEWALK 5" CLASS A CONSTRUCT	Construct 5 inch thick, reinforced Class A concrete sidewalk paving including all excavation, forming, expansion joint materials for the sum of dollars and cents per square yard.
311.0600 S	Υ	SIDEWALK 6" CLASS A CONSTRUCT	Construct 6 inch thick, reinforced Class A concrete sidewalk paving including all excavation, forming, expansion joint materials for the sum of dollars and cents per square yard.
313.0400 S	Y	SIDEWALK 4" 3200 PSI CONSTRUCT	Construct 4 inch thick, reinforced 3200 PSI concrete sidewalkall according to the plans and specifications, complete and in place, for the sum of dollars and cents per square yard.
314.0400 S	Y	ARMORED SIDEWALK 4" CLASS A CONSTRUCT	Construct 4 inch thick armored sidewalk, reinforced Class A concrete sidewalk paving including all excavation, forming, expansion joint materials for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
314.0410		CONCRETE CONSTRUCT	Construct 4 inch Deduct concrete sidewalk including all necessary incidentals for the sum of dollars and cents per square foot.
315.0000	SY	CONSTRUCT	Construct 4 inch thick reinforced Class "A" concrete mow strip under screening wall including all excavation, forming, expansion joint materials for the sum of dollars and cents per square yard.
320.0000	SY	ALLEY PAVING CLASS C CONSTRUCT	Construct Class C concrete alley paving according to the plans, details and specifications for the sum of dollars and cents per square yard.
320.1000		5"-8" CLASS 'C'	Construct 10 foot wide class 'C' concrete alley with 8 inch thick edges and a 5 inch thick center for the sum of dollars and cents per square yard.
321.0600	SY		Construct 6 inch Class "C" concrete alley paving according to the plans, details and specifications for the sum of dollars and cents per square yard.
321.0700	SY		Construct 7 inch Class "C" concrete alley paving according to the plans, details and specifications for the sum of dollars and cents per square yard.
321.0800	SY		Construct 8 inch Class "C" concrete alley paving according to the plans, details and specifications for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
321.1000	SY	ALLEY PAVING 10" CLASS "C" CONSTRUCT	Construct 10 inch Class "C" concrete alley paving according to the plans, details and specifications for the sum of dollars and cents per square yard.
330.0700	SY	DRIVEWAY PAVEMENT 7" CLASS C CONSTRUCT	Construct 7 inch reinforced Class C flexural strength concrete driveway paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
331.0500	SY	DRIVEWAY PAVEMENT 5" CLASS "C" CONSTRUCT	Construct 5 inch Class "C" concrete driveway paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
331.0600	SY	DRIVEWAY PAVEMENT 6" CLASS "C" CONSTRUCT	Construct 6 inch Class "C" concrete driveway paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
332.0600	SY	DRIVEWAY PAVEMENT 6" GRAVEL CONSTRUCT	Construct 6 inch gravel driveway paving including all necessary incidentals for the sum of dollars and cents per square yard.
341.0500	SY	STREET PAVING 5" 4200 PSI CONSTRUCT	Construct 5 inch 4200 psi "class F" reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
341.0600	SY	STREET PAVING 6" 4200 PSI CONSTRUCT	Construct 6 inch 4200 psi "class F" reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
341.0700 S	Y	STREET PAVING 7" 4200 PSI CONSTRUCT	Construct 7 inch 4200 psi "class F" reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
			cents per square yard.
341.0800 S	Y	STREET PAVING 8" 4200 PSI CONSTRUCT	Construct 8 inch 4200 psi "class F" reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
			osino poi oqualo yala.
341.0900 S	Y	STREET PAVING 9" 4200 PSI CONSTRUCT	Construct 9 inch 4200 psi "class F" reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and
			cents per square yard.
341.1000 S	Y	STREET PAVING 10" 4200 PSI CONSTRUCT	Construct 10 inch 4200 psi "class F" reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and
			cents per square yard.
342.0500 S	Y	STREET PAVING 5" CLASS C CONSTRUCT	Construct 5 inch Class C reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
342.0600 S	Y	STREET PAVING 6" CLASS C CONSTRUCT	Construct 6 inch Class C reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
342.0601 SY	Y	STREET PAVING 6" MINIMUM 3000 PSI AT 24 HRS. AND MINIMUM 4200 PSI AT 28 DAYS	Construct 6 inch high early strenght reinforced concrete street paving (minimum 3000 PSI strength at 24 hrs., and minimum 4200 PSI strength at 28 days) all according to the plans, specifications and details for the sum of dollars and
		CONSTRUCT	cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
342.0700	SY	STREET PAVING 7" CLASS C CONSTRUCT	Construct 7 inch Class C reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
342.0800	SY	STREET PAVING 8" CLASS C CONSTRUCT	Construct 8 inch Class C reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
342.0900	SY		Construct 9 inch Class C reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
342.1000	SY	STREET PAVING 10" CLASS C CONSTRUCT	Construct 10 inch Class C reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
342.1001	SY	PSI CONSTRUCT	Construct 10 inch high early strenght reinforced concrete street paving (minimum 3000 PSI strength at 24 hrs., and minimum 4200 PSI strength at 28 days) all according to the plans, specifications and details for the sum of dollars and cents per square yard.
343.0500	SY		Construct 5 inch 4200 psi Class F reinforced concrete driveway paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
344.0000	SY	STREET PAVING CLASS K CONSTRUCT	Construct Class K reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
344.0800	SY		Construct 8 inch Class K reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
344.1000	SY	STREET PAVING 10" CLASS K CONSTRUCT	Construct 10 inch Class K reinforced concrete street paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
345.0700	SY	STREET OR DRIVEWAY PAVING 7" - Class 'C' CONSTRUCT	Construct 7 inch reinforced Class C concrete street or driveway concrete pavement according to the plans, details and specifications for the sum of dollars and cents per square yard.
345.1000	SY	PAVING 10" - Class 'C' CONSTRUCT	Construct 10 inch reinforced Class C concrete street or driveway concrete pavement according to the plans, details and specifications for the sum of dollars and cents per square yard.
347.0400	SY	RIP-RAP 4" 3000 PSI CONSTRUCT	Construct 4 inch thick reinforced 3000 psi compressive strength concrete rip-rap pavement on a sloped surface (steeper than 6:1 slope), for the sum of dollars and cents per square yard.
347.0500	SY	RIP-RAP 5" 3000 PSI CONSTRUCT	Construct 5 inch thick reinforced 3000 psi compressive strength concrete rip-rap pavement on a sloped surface (steeper than 6:1 slope), for the sum of dollars and cents per square yard.
347.0501	CY	CONCRETE RIPRAP 5" FURNISH & INSTALL	Furnish and install 5 inch concrete riprap per TxDOT including all necessary incidentals for the sum dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
347.0502	CY	CONCRETE RIPRAP STAMPED 5" FURNISH & INSTALL	Furnish and install 5 inch stamped concrete riprap per TxDOT including all necessary incidentals for the sum dollars and cents per cubic yard.
347.0600	SY		Construct 6 inch thick reinforced 3000 psi compressive strength concrete rip-rap pavement on a sloped surface (steeper than 6:1 slope), for the sum of dollars and cents per square yard.
348.0010	SY	REPLACE	Remove and replace brick paver according to the plans for the sum of dollars and cents per square yard.
348.0020	SY	BRICK PAVER REMOVE & SALVAGE	Remove and salvage brick paver according to the plans for the sum of dollars and cents per square yard.
348.1000	SY		Furnish and Install 5-1/2" cast in place concrete grasscrete (Bomanite or approved equal) including all necessary incidentals for the sum of dollars and cents per square yard.
348.2000	SF	INSTALL	Furnish and install brick paver according to the plans for the sum of dollars and cents per square foot.
349.0000	LF		Construct LONGITUDINAL BUTT JOINT according to the plans for the sum of dollars and cents per linear foot

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
351.0400	SY	MEDIAN PVMT 4" CLASS A CONSTRUCT	Construct 4 inch reinforced, Class A concrete median paving all according to the plans, specifications and details for the sum of dollars and cents per square yard.
353.0000	LF	MEDIAN BARRIER PORTABLE CONCRETE FURNISH & INSTALL & REMOVE	Furnish and install portable concrete median barrier including removal at end of project per TxDOT detail and all incidentals necessary for the sum of dollars and cents per linear foot.
353.0020	LF	MEDIAN BARRIER PORTABLE CONCRETE RESET	Reset portable concrete median barrier including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
354.0000	SY	MEDIAN NOSE CLASS C CONSTRUCT	Construct CLASS C reinforced concrete monolithic median nose, in which the nominal street thickness is 8" at designated locations, for the sum of dollars and cents per square yard.
355.1000	SY	MEDIAN PVMT CONCRETE WITH VARIOUS HEIGHT CONSTRUCT	Construct concrete median paving with various height curb including all necessary incidentals for the sum of dollars and cents per square yard.
356.0000	SY	BRICK PAVER CROSSWALK FURNISH & INSTALL	Furnish and Install brick paver crosswalk according to the plans for the sum of dollars and cents per square yard.
357.0000	SY	BRICK PAVER SIDEWALK/ MEDIAN FURNISH & INSTALL	Furnish and Install brick paver sidewalk/median according to the plans for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
359.0000	CY	DRIVEWAY, OR ALLEY PAVING 6000 PSI CLASS 'C'	Provide 6000 PSI concrete in lieu of the specified Class 'C' concrete for street, curb and gutter, driveway. Or alley paving for the summ of dollars and cents per cubic yard.
360.1800	LF	CURB & GUTTER 18" CLASS A CONSTRUCT	Construct 18 inch Class A reinforced concrete curb and gutter all according to the plans, specifications and details for the sum of dollars and cents per square yard.
360.2400	LF	CURB & GUTTER 24" CLASS C CONSTRUCT	Construct 24 inch reinforced Class C concrete curb and gutter all according to the plans, specifications and details for the sum of dollars and cents per square yard.
360.3000	LF	CURB & GUTTER 30" CLASS A CONSTRUCT	Construct 30 inch Class A reinforced concrete curb and gutter all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
361.0000	LF	CURB VARIABLE HEIGHT INTEGRAL ON SIDEWALK, ALLEY, CHANNEL CONSTRUCT	Construct variable height integral curb on sidewalk, alley, or channel paving section all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
361.0600	LF	CURB 6" INTEGRAL ON SIDEWALK, ALLEY, CHANNEL CONSTRUCT	Construct 6" integral curb on sidewalk, alley, or channel paving section all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
361.0621	LF	CURB INTEGRAL 6" THICK BETWEEN 7"-12" HEIGHT ON SIDEWALK, ALLEY, CHANNEL RANGE 0-100 CONSTRUCT	Construct integral curb, 6" thick, between 7-12 inches in height. Vertical section reinforced with #3 bars, horizontal & vertical, at 8" spacing. On alley, sidewalk, or channel paving section where the placement area is within 0-100 linear feet for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
362.0600	LF	CURB RIBBON 6" 3000 PSI CONSTRUCT	Construct 6 inch 3000 PSI reinforced concrete ribbon curb all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
362.0900	LF	CURB 9" RIBBON 3000 PSI CONSTRUCT	Construct 9 inch 3000 PSI reinforced concrete ribbon curb all according to the plans, specifications and details complete and in place for the sum of dollars and cents per linear foot.
362.1200	LF		Construct 12 inch 3000 PSI reinforced concrete ribbon curb all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
363.0000	LF		Construct Type II TxDOT Class A concrete curb, all according to the plans, specifications and details, for the sum of dollars and cents per linear foot.
363.1800	LF	CURB 18" TYPE II TxDOT CONSTRUCT	Construct eighteen inch (18") doweled Type II TxDOT Class A concrete curb, all according to the plans, specifications and details, for the sum of dollars and cents per linear foot.
363.2400	LF	CURB 24" TYPE II TxDOT CONSTRUCT	Construct twenty- four inch (24") doweled Type II TxDOT Class A concrete curb, all according to the plans, specifications and details, for the sum of dollars and cents per linear foot.
364.1800	LF	CURB 18" INTEGRAL CLASS A CONSTRUCT	Construct integral Class A reinforced concrete mountable curb all according to the plans, specifications and details for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
364.2400 LF		CURB 24" INTEGRAL CLASS A CONSTRUCT	Construct integral Class A reinforced concrete mountable curb all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
365.0600 LF		6" ASPHALT ROLL CURB CONSTRUCT	For constructing 6" asphaltic concrete roll curb complete and in place all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
366.1800 LF		CURB & GUTTER 18" CLASS C CONSTRUCT	Construct 18 inch reinforced class C concrete curb and gutter all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
366.2400 LF		CURB & GUTTER 24" CLASS C CONSTRUCT	Construct 24 inch reinforced class C concrete curb and gutter all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
366.3000 LF		CURB & GUTTER 30" CLASS C CONSTRUCT	Construct 30 inch reinforced class C concrete curb and gutter all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
368.0600 LF		CURB 6" DOWELED ON ALLEY - CONSTRUCT	Construct 6 inch doweled curb on alley all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
370.0000 SY	(STREET CUT PAVING CONCRETE - CLASS C CONSTRUCT	Construct Class C reinforced concrete street cut paving for all utility lines/storm sewer/construction that crosses or parallels existing streets or roadway according to plan for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
370.1000	SY	STREET CUT PAVING CONCRETE - CLASS C W/ ASPHALT OVERLAY CONSTRUCT	Construct Class C reinforced concrete street cut paving w/ asphalt overlay for all utility lines that crosses or parallels existing streets or roadways according to plan for the sum of dollars and cents per square yard.
372.0000	LF	SAW CUT	For sawing new concrete as needed for an expansion, construction, or any other type of joint for the sum of for the sum of dollars and cents per linear foot.
373.0000	LF	SAW CUT SLURRY	For continuously vacuuming saw cut slurry as reuired by the specificatios for the sum of cents per linear foot.
374.0600	LF	CURB 6" 3600 PSI OR CLASS C DOWELED ON EXISTING ALLEY - CONSTRUCT	Construct 6 inch 3600 PSI or CLASS C doweled curb on alley all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
375.0000	LF	SEALING JOINT	For crack sealing saw joints as needed in new concrete in accordance with the specifications for the sum of dollars and cents per linear foot.
380.0000	EA	ACCESS RAMP CURB INSTALL	For installing a sidewalk curb access ramp, including all incidentals necessary according to the plans for the sum of dollars and cents each.
380.0610	EA	ACCESS RAMP CURB 6" CASE I CONSTRUCT	For construction of 6" thick sidewalk curb access ramp CASE I, including curb, gutter all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
380.0620	EA	ACCESS RAMP CURB 6" CASE II CONSTRUCT	For construction of 6" thick sidewalk curb access ramp CASE II, including curb, gutter all incidentals necessary according to the plans for the sum of dollars and cents each.
380.0630	EA	ACCESS RAMP CURB 6" CASE III CONSTRUCT	For construction of 6" thick sidewalk curb access ramp CASE III, including curb, gutter all incidentals necessary according to the plans for the sum of dollars and cents each.
380.0640	EA	ACCESS RAMP CURB 6" CASE IV CONSTRUCT	For construction of 6" thick sidewalk curb access ramp CASE IV, including curb, gutter all incidentals necessary according to the plans for the sum of dollars and cents each.
380.0650	EA	ACCESS RAMP CURB 6" CASE V CONSTRUCT	For construction of 6" thick sidewalk curb access ramp CASE V, including curb, gutter all incidentals necessary according to the plans for the sum of dollars and cents each.
380.0660	EA	ACCESS RAMP CURB 6" CASE VI CONSTRUCT	For construction of 6" thick sidewalk curb access ramp CASE VI, including curb, gutter all incidentals necessary according to the plans for the sum of dollars and cents each.
381.0000	SY	ACCESS RAMP ADA INSTALL	Construct concrete ADA access sidewalk ramp as shown on the plans and specifications complete and in place for the sum of dollars and cents per square yard.
382.0000	SY	ACCESS RAMP ADA INCLUDING LAMBERT COLOR HARDENER INSTALL	Construct reinforced concrete ADA access sidewalk ramp including Lambert Color Hardener, color 219-1096, Super Iron Black or equal as shown on the plans and specifications complete and in place for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
383.0000	SY	CONCRETE BARRIER FREE RAMP INSTALL	For installing concrete barrier free ramp, including all incidentals necessary according to the plans for the sum of dollars and square yard.
383.1000	EA	CONCRETE BARRIER FREE RAMP INSTALL	For installing concrete barrier free ramp, including all neceesary incidentals for the sum of cents each.
384.0000	EA	PRE-CAST TRUNCATED DOMED PANELS INSTALL	For installation of pre-cast truncated domed panels for sidewalk curb access ramps, including transport from the City of Garland Warehouse, for the sum of dollars and cents each.
384.1000	EA	2'x2' PRE-CAST TRUNCATED DOMED PANELS FURNISH & INSTALL	Furnish and install of 2'x2' pre-cast truncated domed panels for sidewalk curb access ramps, according to the City Detail, for the sum of dollars and cents each.
384.2000	SF	BRICK PAVERS TRUNCATED DOMED PANELS FURNISH & INSTALL	Furnish and install brick pavers truncated domed panels for sidewalk curb access ramps, according to the City Detail, for the sum of dollars and cents per square foot.
386.0000	LF	RAILROAD HEADER CONSTRUCT	Construct 650 PSI flexural strength reinforced concrete railroad header all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
388.0000	LF	STREET HEADER, CLASS C, CONSTRUCT	Construct Class C reinforced concrete street header all according to the plans, specifications and details for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
389.0000	SY	COLOR CONCRETE	For application of color concrete for the sum of cents per square yard.
390.0000	SY	COLOR HARDENER	For application of Lambert Color Hardener, color 219-1096, Super Iron Black or equal to the full width and depth of paving at the manufacturers rate of 1.35 pounds of color hardener for the sum of dollars and cents per square yard.
390.1000	SY	COLOR HARDENER FOR CONCRETE PAVING	Color hardener for enhanced concrete street or driveway paving for the sum of dollars and cents per square yard.
390.2000	SY	STAMPED COLOR FOR CONCRETE PAVING	Stamped/ colored finish for enhanced concrete street or driveway paving for the sum of dollars and cents per square yard.
390.3000	SY	STAMPED COLOR FOR CONCRETE MEDIAN PAVING	Stamped/ colored finish for enhanced concrete median paving for the sum of dollars and cents per square yard.
390.4100	SY	STAMPED & STAINED CONCRETE (TYPE 1)	Furnish and Install Stamped and Stained Concrete (Type 1), including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of cents per square yard.
390.4200	SY	STAMPED & STAINED CONCRETE (TYPE 2)	Furnish and Install Stamped and Stained Concrete (Type 2), including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
390.5000 S	Y	COLOR HARDENER FOR MEDIAN	Color hardener for enhanced concrete median paving for the sum of dollars and cents per square yard.
390.6000 LF		SAND BLASTING PREPARATION OF EXISTING CONCRETE PAVEMENT	Sand blasting preparation of existing concrete pavement for the placement of pavement markings, including all necessary incidentals for the sum of dollars and cents per linear foot.
390.6100 LF	F	SAND BLASTING FOR THE REMOVAL EXISTING CONCRETE PAVEMENT MARKING	Sand blasting for the removal of existing concrete pavement markings, including all necessary incidentals for the sum of dollars and cents per linear foot.
399.0100 E	A	PRECAST CONCRETE WHEEL STOPS 7 FOOT FURNISH & INSTALL	Furnish and install 7 foot precast concrete wheel stops including anchorage and all incidentals nessary to complete in place all acording to the plans for the sum of dollars and cents each.
400.0100 LF	F	WATER 2-1/2" DR-18 PVC FURNISH & INSTALL	Furnish and install 1" DR-18 PVC Class 150 water pipe including all incidentals according to the plans for the sum of dollars andcents per linear foot.
400.0250 LF		WATER 2-1/2" DR-18 PVC FURNISH & INSTALL	Furnish and install 2-1/2" DR-18 PVC Class 150 water pipe including all incidentals according to the plans for the sum of dollars and cents per linear foot.
400.0400 LF	F	WATER 4" DR-18 PVC FURNISH & INSTALL	Furnish and install 4" DR-18 PVC Class 150 water pipe including all incidentals according to the plans for the sum of dollars andcents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
400.0600 LF	Ξ	WATER 6" DR-18 PVC FURNISH & INSTALL	Furnish and install 6 inch DR-18 PVC Class 150 water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
400.0800 LF	=	WATER 8" DR-18 PVC FURNISH & INSTALL	Furnish and install 8 inch DR-18 PVC Class 150 water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
400.1000 LF	3	WATER 10" DR-18 PVC FURNISH & INSTALL	Furnish and install 10 inch DR-18 PVC Class 150 water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
400.1200 LF	Ξ	WATER 12" DR-18 PVC FURNISH & INSTALL	Furnish and install 12 inch DR-18 PVC Class 150 water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
400.1220 LF	<u>-</u>	WATER 12" DR-18 PVC RELOCATE	Relocate 12 inch DR-18 PVC Class 150 water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
400.2410 LF	=	WATER 24" AWWA C905 DR-18 PVC FURNISH AND INSTALL	Furnish and install 24" AWWA C905 DR-18 PVC water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
401.0600 LF	=	WATER 6" A.D.S.PIPE FURNISH & INSTALL	Furnish and install 6 inch A.D.S. water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
401.0800	LF	25 PVC FURNISH AND INSTALL	Furnish and install 8 inch AWWA C900 DR-25 PVC water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
401.1200	LF	FURNISH & INSTALL	Furnish and install 12 inch A.D.S. water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
401.1800	LF		Furnish and install 18 inch AWWA C905 DR-25 PVC water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
401.2400	LF	DR-25 PVC FURNISH AND INSTALL	Furnish and install 24 inch AWWA C905 DR-25 PVC water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
402.0400	LF		Furnish and install 4 inch class 51 polywrap 250 PSI ductile iron water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
402.0600	LF	INSTALL	Furnish and install 6 inch class 51 polywrap 250 PSI ductile iron water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
402.0800	LF	INSTALL	Furnish and install 8 inch class 51 polywrap 250 PSI ductile iron water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
402.1200 LF		INSTALL	Furnish and install 12 inch class 51 polywrap 250 PSI ductile iron water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
403.1600 LF		FURNISH & INSTALL	Furnish and install 16 inch reinforced concrete cylinder water pipe AWWA P-303 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.1610 EA			Furnish and install 16 inch reinforced concrete cylinder water pipe closure section for water main including all incidentals necessary according to the plans for the sum of dollars and cents per each.
403.1620 LF		303 FURNISH & INSTALL	Furnish and install 16 inch reinforced concrete cylinder water pipe AWWA C-303 in variable depth trench, including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.2400 LF		FURNISH & INSTALL	Furnish and install 24 inch reinforced concrete cylinder water pipe AWWA P-303 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.2410 EA			Furnish and install 24 inch reinforced concrete cylinder water pipe closure section for water main including all incidentals necessary according to the plans for the sum of dollars and cents per each.
403.3000 LF		FURNISH & INSTALL	Furnish and install 30 inch reinforced concrete cylinder water pipe AWWA P-301 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
403.3010			Furnish and install 30 inch reinforced concrete cylinder water pipe AWWA P-303 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.3020		303 FURNISH & INSTALL	Furnish and install 30 inch reinforced concrete cylinder water pipe AWWA C-303 in variable depth trench, including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.3600	LF		Furnish and install 36 inch reinforced concrete cylinder water pipe AWWA P-301 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.3610	LF	FURNISH & INSTALL	Furnish and install 36 inch reinforced concrete cylinder water pipe AWWA P-303 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.3620		303 FURNISH & INSTALL	Furnish and install 36 inch reinforced concrete cylinder water pipe AWWA C-303 in variable depth trench, including all incidentals necessary according to the plans for the sum of cents per linear foot.
403.4200	LF	FURNISH & INSTALL	Furnish and install 42 inch reinforced concrete cylinder water pipe AWWA P-301 in variable depth trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
404.1600	EA		Joint welding for thrust restraint for existing 16-inch RCCP water main including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
404.3000	EA	WATER 30" RCCP JOINT WELDING	Joint welding for thrust restraint for existing 30-inch RCCP water main including all incidentals necessary according to the plans for the sum of dollars and cents each.
404.3600	EA	WATER 36" RCCP JOINT WELDING	Joint welding for thrust restraint for existing 36-inch RCCP water main including all incidentals necessary according to the plans for the sum of dollars and cents each.
404.4200	EA	WATER 42" RCCP JOINT WELDING	Joint welding for thrust restraint for existing 42-inch RCCP water main including all incidentals necessary according to the plans for the sum of dollars and cents each.
405.0000	TN	DUCTILE IRON FITTINGS FURNISH & INSTALL	Furnish and install 350 PSI cement lined poly-wrapped ductile iron fittings with restraining glands for water mains and all other incidentals necessary for the sum of dollars and dollars and cents per ton.
406.0200	EA	CUT AND PLUG 2" WATER LINE	Cut and plug all 2" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.
406.0400	EA	CUT AND PLUG 4" WATER LINE	Cut and plug all 4" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.
406.0600	EA	CUT AND PLUG 6" WATER LINE	Cut and plug all 6" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
406.0800 E	ĒΑ		Cut and plug all 8" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.
			cents each.
406.1000 E			Cut and plug all 10" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.
			cents each.
406.1200 E			Cut and plug all 12" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and
			cents each.
406.1600 E			Cut and plug all 16" water pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and
			cents each.
407.0800 E		REPAIR OF DAMAGED RCCP WATER PIPE UP TO 8" DIA PUNCTURE TYPE HOLE	Repair puncture type hole (up to 8 inch diameter) in RCCP water pipe for the sum of dollars and cents each.
407.1600 E		REPAIR 16" RCCP TOP WATER PIPE	Repair 16" RCCP water top including all incidentals necessary according to the plans for the sum of dollars and cents each.
407.2400 E	ΞA	REPAIR 24" RCCP TOP	Repair 24" RCCP water top including all incidentals necessary according to the plans
			for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
408.0090 EA	Ą		Repair damage in PVC or cast iron water pipe and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
409.0600 LF			Furnish and install 6 inch Certa-Lok/RJ water pipe by directional drill including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
409.0800 LF	-		Furnish and install 8 inch Certa-Lok/RJ water pipe by directional drill including all incidentals necessary to complete according to the plans for the sum of dollars and cents per linear foot.
410.0200 EA	Α	INSTALL	Furnish and install 2" Gate Valve including box, stack and concrete pad (where called for) all according to the plans, specifications and details for the sum of dollars and cents each.
410.0400 EA	Α		Furnish and install 4" gate valve including box, stack and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
410.0600 EA	Α	INSTALL	Furnish and install 6 inch gate valve including box, stack and concrete pad (where called for) and all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
410.0610 EA	Α	REPLACE	Remove and replace 6 inch gate valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
410.0800		INSTALL	Furnish and install 8 inch gate valve including box, stack and concrete pad (where called for) and all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
410.0810		REPLACE	Remove and replace 8 inch gate valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
410.1010			Remove and replace 10 inch gate valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
410.1200		& INSTALL	Furnish and install 12 inch gate valve including box, stack and concrete pad (where called for) and all other incidentals necessary to complete according to the plans for the sum of dollar and cents each.
410.1210			Remove and replace 12 inch gate valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
410.1600	EA	FURNISH & INSTALL	Furnish and install 16 inch vertical gate valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
411.1600		INSTALL	Furnish and install 16 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
411.2000	EA	GATE VALVE W/MANHOLE 20" HORIZ FURNISH & INSTALL	Furnish and install 20 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
411.2400	EA	GATE VALVE W/MANHOLE 24" HORIZ FURNISH & INSTALL	Furnish and install 24 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
411.3000	EA	GATE VALVE W/MANHOLE 30" HORIZ FURNISH & INSTALL	Furnish and install 30 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
411.3600	EA	GATE VALVE W/MANHOLE 36" HORIZ FURNISH & INSTALL	Furnish and install 36 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
411.4200	EA	GATE VALVE W/MANHOLE 42" HORIZ FURNISH & INSTALL	Furnish and install 42 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
412.0200	EA	AIR VALVE 2" FURNISH & INSTALL	Furnish and install 2 inch air valve including 2 inch copper pipe and vault and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
412.0210	EA	REPLACE	Remove and replace 2 inch air valve including 2 inch copper pipe and vault and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
413.0400		BLOW OFF VALVE 4" FURNISH & INSTALL	Furnish and install 4 inch blow off valve including 4 inch ductile iron pipe and all incidentals necessary to complete according to the plans, for the sum of dollars and cents each.
413.0600	EA	BLOW OFF VALVE 6" FURNISH & INSTALL	Furnish and install 6 inch blow off valve including 4 inch ductile iron pipe and all incidentals necessary to complete according to the plans, for the sum of dollars and each.
414.1600	EA	BUTTERFLY VALVE 16" VERTICAL FURNISH & INSTALL	Furnish and install 16 inch vertical butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
414.2400		BUTTERFLY VALVE 24" VERTICAL FURNISH & INSTALL	Furnish and install 24 inch vertical butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
415.1600		BUTTERFLY VALVE 16" HORIZONTAL FURNISH & INSTALL	Furnish and install 16 inch horizontal butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
415.1610	EA	BUTTERFLY VALVE 16" HORIZONTAL REMOVE & REPLACE	Remove and replace 16 inch butterfly valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
415.2400	EA	BUTTERFLY VALVE 24" HORIZONTAL FURNISH & INSTALL	Furnish and install 24 inch horizontal butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
415.2410	EA	BUTTERFLY VALVE 24" HORIZONTAL REMOVE & REPLACE	Remove and replace 24 inch butterfly valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
415.3000	EA	BUTTERFLY VALVE 30" HORIZONTAL FURNISH & INSTALL	Furnish and install 30 inch horizontal butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
415.3010	EA	BUTTERFLY VALVE 30" HORIZONTAL REMOVE & REPLACE	Remove and replace 30 inch butterfly valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
415.3600	EA	BUTTERFLY VALVE 36" HORIZONTAL FURNISH & INSTALL	Furnish and install 36 inch horizontal butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
415.3610	EA	BUTTERFLY VALVE 36" HORIZONTAL REMOVE & REPLACE	Remove and replace 36 inch butterfly valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.
415.4200	EA	BUTTERFLY VALVE 42" HORIZONTAL FURNISH & INSTALL	Furnish and install 42 inch horizontal butterfly valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
415.4210	EA	BUTTERFLY VALVE 42" HORIZONTAL REMOVE & REPLACE	Remove and replace 42 inch butterfly valve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
416.0000	EA	GATE VALVE" CUT- IN VERTICAL FURNISH & INSTALL	Furnish and install" mechanical joint vertical gate valve on existing line including all incidentals necessary for the sum of dollars and cents each.
416.0600	EA		Furnish and install 6" mechanical joint gate valve on existing line including sawing existing pipe, M.J. solid sleeve, additional pipe as necessary and all incidentals necessary for the sum of dollars and cents each.
416.0800	EA	GATE VALVE 8" CUT-IN VERTICAL FURNISH & INSTALL	Furnish and install 8" mechanical joint gate valve on exisiting line including sawing existing pipe, M.J. solid sleeve, additional pipe as necessary and all incidentals necessary for the sum of dollars and cents each.
416.1000	EA	VERTICAL FURNISH & INSTALL	Furnish and install 10" mechanical joint gate valve on exisitng line including sawing existing pipe, M.J. solid sleeve, additional pipe as necessary and all incidentals necessary for the sum of dollars and cents each.
416.1200	EA	GATE VALVE 12" CUT-IN VERTICAL FURNISH & INSTALL	Furnish and install 12" mechanical joint gate valve on exisitng line including sawing existing pipe, M.J. solid sleeve, additional pipe as necessary and all incidentals necessary for the sum of dollars and cents each.
417.0000	EA	GATE VALVE W/MH" CUT- IN HORIZONTAL FURNISH & INSTALL	Furnish and install" horizontal flanged gate valve on existing" RCCP water including all incidentals according to the plans for the sum of dollars and cents each.
417.1600	EA	GATE VALVE W/MANHOLE 16" CUT-IN HORIZ FURNISH & INSTALL	Furnish and install 16 inch horizontal gate valve including by-pass and manhole and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
417.1680	EA	16" CUT-IN HORIZ FURNISHED BY CITY	Install 16" horizontal flanged gate valve furnished by City of Garland on existing 16" RCCP water including all incidentals according to the plans for the sum of dollars and cents each.
417.2080	EA	GATE VALVE W/MH 20" CUT-IN HORIZ FURNISHED BY CITY INSTALL	Install 20" horizontal flanged gate valve furnished by City of Garland on existing 24" RCCP water including all incidentals according to the plans for the sum of dollars and cents each.
418.0600	EA	INSTALL	Furnish and install 6 inch flap valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
419.0200	EA		Remove and replace 2" backflow & control valve with 15"x22" valve box including all incidentals necessary according to the plans for the sum of dollars and cents each.
419.1500	EA	VALVE 1 1/2" W/ VALVE	Furnish and install 1 1/2" backflow & control valve with valve box including all incidentals necessary according to the plans for the sum of dollars and cents each.
420.0610	LF		Remove and replace 5/8" Type 'K' water service including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
420.0700	LF	"K" FURNISH & INSTALL	Furnish & install 3/4 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and all incidentals according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
420.0710	LF		Remove and replace 3/4" Type 'K' water service including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
420.0720	LF	"K" RELOCATE	Relocate 3/4" Type 'K' water service from new meter location to existing service entrance including all connections required to meet applicable code and restrictions according to the plans for the sum of dollars and cents per linear foot.
420.1000	LF	"K" FURNSH & INSTALL	Furnish and install 1 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and all incidentals according to the plans for the sum of dollars and cents per linear foot.
420.1001	LF	"K" FURNSH & INSTALL	Furnish and install 1 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and all incidentals according to the plans for the sum of dollars and cents per linear foot.
420.1010	LF		Remove and replace 1 inch type "K" water service including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
420.1500	LF	TYPE "K" FURNISH &	Furnish & install 1-1/2 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and incidentals according to the plans for the sum of dollars and cents per linear foot.
420.1510	LF	TYPE "K" REMOVE &	Remove and replace 1-1/2 inch type "K" water service including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
420.2000	LF	WATER SERVICE 2" TYPE "K" FURNISH & INSTALL	Furnish and install 2 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and incidentals according to the plans for the sum of dollars and cents per linear foot.
420.2001	EA	WATER SERVICE 2" TYPE "K", TAPPING SADDLE (PVC MAIN), 2" ANGLE STOP, CO-OP & WATER METER BOX AT 5	Furnish and Install 2 inch type "K" water service, tapping saddle (PVC main), 2" angle stop, co-op and water meter box at 5 locations, by utility contractor, per Sheet L4.8, for irrigation system including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and
420.2010	LF	WATER SERVICE 2" TYPE "K" REMOVE & REPLACE	Remove and replace 2" Type 'K' water service including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
420.3000	LF	WATER SERVICE 3" TYPE "K" FURNISH & INSTALL	Furnish and install 3 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and incidentals according to the plans for the sum of dollars and cents per linear foot.
420.4000	LF	WATER SERVICE 4" TYPE "K" FURNISH & INSTALL	Furnish and install 4 inch type "K" water service including co-op and angle stop, connecting to existing meter, tapping saddle (PVC only) and incidentals according to the plans for the sum of dollars and cents per linear foot.
421.0740	EA	WATER SERVICE 3/4" ON SIDE CONNECT	For connecting existing 3/4 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum of dollars and cents each.
421.0790	EA	WATER SERVICE 3/4" ON SIDE REPAIR	Repair existing 3/4 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
421.1040 EA		WATER SERVICE 1" ON SIDE CONNECT	For connecting existing 1 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum of dollars and cents each.
421.1090 EA		WATER SERVICE 1" ON SIDE REPAIR	Repair existing 1 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum ofdollars andcents each.
421.1590 EA		WATER SERVICE 1-1/2" ON SIDE REPAIR	Repair existing 1-1/2 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum ofdollars and cents each.
421.2040 LF		SIDE CONNECT	For connecting existing 2 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum of dollars and cents each.
421.2090 LF		WATER SERVICE 2" ON SIDE REPAIR	Repair existing 2 inch on side copper water services including cutting pipe and furnishing new co-op at new main and all incidentals according to the plans for the sum of dollars and cents each.
422.0740 EA		WATER SERVICE 3/4" OFF SIDE CONNECT	For connecting existing 3/4 inch off side water services including cutting pipe and furnishing new co-op at main and all incidentals according to the plans for the sum of dollars and cents each.
422.1040 EA		WATER SERVICE 1" OFF SIDE CONNECT	For connecting existing 1 inch off side water services including cutting pipe and furnishing new co-op at main and all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
422.1540	EA	WATER SERVICE 1-1/2" OFF SIDE CONNECT	For connecting existing 1-1/2 inch off side water services including cutting pipe and furnishing new co-op at new main complete and in place for the sum of dollars and cents each.
			cents each.
422.2040	LF	WATER SERVICE 2" OFF SIDE CONNECT	For connecting existing 2 inch off side water services including cutting pipe and furnishing new co-op at main and all incidentals according to the plans for the sum of dollars and
			cents each.
423.0700	EA	WATER SERVICE 3/4" REMOVE & RELOCATE	Remove, temporarily relocate outside of work zone area, and permanently relocate back to original location the existing 3/4 inch copper water services including cutting pipe and furnishing new co-op at new main, reusing existing water meter, and installing new water meter box and all incidentals according to the plans for the sum of dollars and
424.0750	EA	3/4" BULLHEAD WATER SERVICE ASSEMBLY REMOVE & REPLACE	Remove and replace existing 3/4" bullhead water service assembly including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents each.
425.0010	EA	WATER METER BOX REMOVE & REPLACE	Remove and replace existing water meter box to conform to proposed grades according to the specifications and details for the sum of dollars and cents each.
425.0020	EA	WATER METER BOX REMOVE & RELOCATE	For removing and relocating existing water meters and boxes of various sizes and all incidentals necessary according to the plans for the sum of dollars and cents each.
425.0030	EA	WATER METER BOX ADJUST	Adjusting the elevation of existing water meter box to conform to proposed grades according to the specifications and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
425.1000	EA	FURNISH & INSTALL	Furnish and install No. 85 water meter box for 5/8 inch or 3/4 inch service and all incidentals necessary according to the plans for the sum of dollars and cents each.
425.1800	EA	DIA FURNISH & INSTALL	Furnish and install 18 inch dia water meter box for 5/8 inch or 3/4 inch service and all incidentals necessary according to the plans for the sum of dollars and cents each.
425.2000	EA	359 FURNISH & INSTALL	Furnish and install No. 359 water meter box for 1 inch service and all incidentals necessary according to the plans for the sum of dollars and cents each.
425.2400	EA	DIA FURNISH & INSTALL	Furnish and install 24 inch dia water meter box for 1 inch or 1 1/2 inch service and all incidentals necessary according to the plans for the sum of dollars and cents each.
425.2800	EA	DIA FURNISH & INSTALL	Furnish and install 28 inch dia water meter box for 3 inch service and all incidentals necessary according to the plans for the sum of dollars and cents each.
425.3000	EA	FURNISH & INSTALL	Furnish and install No. 55 water meter box for 11/2 inch or 2 inch service and all incidentals necessary according to the plans for the sum of dollars and cents each.
426.1000	EA		Installation No. 55 water meter box furnished by City of Garland, and all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
426.2000 E	ĒΑ	WATER METER BOX FURNISHED BY CITY INSTALL	Installation water meter box furnished by City of Garland, and all incidentals according to the plans for the sum of dollars and cents each.
426.3000 E	ĒΑ	WATER METER BOX DFW- 2818F	Furnish and install meter box with Part No. DFW-2818F for 2 inch service and all incidentals necessary according to the plans and standard detail for the sum of dollars and cents each.
426.4000 E	ΞA	WATER METER BOX DFW37C-14-101BAT	Furnish and install meter box with Part No. DFW37C-14-101BAT and all incidentals necessary according to the plans and standard detail for the sum of dollars and cents each.
427.3000 E	ĒΑ	WATER METER VAULT FURNISH & INSTALL	Furnish and install reinforced concrete water meter vault and all incidentals necessary according to the plans for the sum of dollars and cents each.
428.0000 E	ΞA	FIRE SPRINKLER VAULT REMOVE & REPLACE	Complete removal and disposal of existing fire sprinkler vault, and the replacing including reinforced concrete vault construction and all incidentals necessary for the sum of cents each.
429.0030 E	ĒΑ	VALVE BOXES ADJUST	Adjusting the elevation of existing valve boxes to conform to proposed grades according to the plans for the sum of dollars and cents each.
429.1030 E	ĒΑ	WATER VALVES ADJUST	For adjusting water valves to finish grade including all incidentals necessary to complete all according to the plans, specifications and details, for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.0000	EA		Furnish and install" x" tap valve and sleeve, and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.0404	EA		Furnish and install 4" x 4" tap valve and sleeve and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.0416	EA		Furnish and install 4" x 16" tap valve and sleeve and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.0604	EA		Furnish and install 6" x 4" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0606	EA		Furnish and install 6" X 6" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0608	EA		Furnish and install 6" X 8" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0610	EA		Furnish and install 6" x 10" tap valve and sleeve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.0612	EA		Furnish and install 6" x 12" tap valve and sleeve and all other incidentals necessary to complete according to the specifications and details for the sum of dollars and cents each.
430.0616	EA		Furnish and install 6" x 16" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.0624	EA		Furnish and install 6" x 24" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.0630	EA		Furnish and install 6" x 30" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.0636	EA	TAP VALVE AND SLEEVE 6" X 36" FURNISH & INSTALL	Furnish and install 6" x 36" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.0642	EA		Furnish and install 6" x 42" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.0801	EA	TAP VALVE AND SLEEVE 8" X 1" FURNISH & INSTALL	Furnish and install 8" x 1" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.0804	EA		Furnish and install 8" x 4" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0806	EA		Furnish and install 8" x 6" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0808	EA		Furnish and install 8" x 8" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0810	EA		Furnish and install 8" x 10" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0812	EA		Furnish and install 8" x 12" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0816	EA	X 16" FURNISH & INSTALL	Furnish and install 8" x 16" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0824	EA	X 24" FURNISH & INSTALL	Furnish and install 8" x 24" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.0830	EA	X 30" FURNISH & INSTALL	Furnish and install 8" x 30" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0836	EA	X 36" FURNISH & INSTALL	Furnish and install 8" x 36" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.0842	EA	X 42" FURNISH & INSTALL	Furnish and install 8" x 42" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1004	EA		Furnish and install 10" x 4" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1006	EA	10" X 6" FURNISH &	Furnish and install 10" x 6" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1008	EA	10" X 8" FURNISH &	Furnish and install 10" x 8" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1010	EA	10" X 10" FURNISH &	Furnish and install 10" x 10" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.1012	EA	TAP VALVE AND SLEEVE 10" X 12" FURNISH & INSTALL	Furnish and install 10" x 12" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1206	EA	TAP VALVE AND SLEEVE 12" X 6" FURNISH & INSTALL	Furnish and install 12" x 6" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1208	EA	TAP VALVE AND SLEEVE 12" X 8" FURNISH & INSTALL	Furnish and install 12" x 8" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1210	EA	TAP VALVE AND SLEEVE 12" X 10" FURNISH & INSTALL	Furnish and install 12" x 10" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1212	EA	TAP VALVE AND SLEEVE 12" X 12" FURNISH & INSTALL	Furnish and install 12" x 12" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1606	EA	TAP VALVE AND SLEEVE 16" X 6" FURNISH & INSTALL	Furnish and install 16" x 6" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1608	EA	TAP VALVE AND SLEEVE 16" X 8" FURNISH & INSTALL	Furnish and install 16" x 8" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.1610	EA	TAP VALVE AND SLEEVE 16" X 10" FURNISH & INSTALL	Furnish and install 16" x 10" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.1612	EA	TAP VALVE AND SLEEVE 16"X12" FURNISH & INSTALL	Furnish and install 16" x 12" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.2406	EA	TAP VALVE AND SLEEVE 24" X 6" FURNISH & INSTALL	Furnish and install 24" x 6" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.2408	EA	TAP VALVE AND SLEEVE 24" X 8" FURNISH & INSTALL	Furnish and install 24" x 8" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.2410	EA	TAP VALVE AND SLEEVE 24" X 10" FURNISH & INSTALL	Furnish and install 24" x 10" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.2412	EA	TAP VALVE AND SLEEVE 24" X 12" FURNISH & INSTALL	Furnish and install 24" x 12" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.
430.3006	EA	TAP VALVE AND SLEEVE 30" X 6" FURNISH & INSTALL	Furnish and install 30" x 6" tap valve and sleeve and all other incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
430.3008	EA	TAP VALVE AND SLEEVE 30" X 8" FURNISH & INSTALL	Furnish and install 30" x 8" tap valve and sleeve, and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.3010	EA	TAP VALVE AND SLEEVE 30" X 10" FURNISH & INSTALL	Furnish and install 30" x 10" tap valve and sleeve, and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.3012	EA	TAP VALVE AND SLEEVE 30" X 12" FURNISH & INSTALL	Furnish and install 30" x 12" tap valve and sleeve, and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.3624	EA	TAP VALVE AND SLEEVE 36" X 24" FURNISH & INSTALL	Furnish and install 36" x 24" tap valve and sleeve, and all incidentals necessary according to the plans for the sum of dollars and cents each.
430.4208	EA	TAP VALVE AND SLEEVE 42" X 8" FURNISH & INSTALL	Furnish and install 42" x 8" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
430.4236	EA	TAP VALVE AND SLEEVE 42" X 36" FURNISH & INSTALL	Furnish and install 42" x 36" tap valve and sleeve, and all other incidentals necessary according to the plans for the sum of dollars and cents per each.
431.0000	TON	CERTA-LOK FITTINGS FURNISH & INSTALL	Furnish and install Certa-Lok fittings, and all other incidentals necessary according to the plans for the sum of dollars and cents per ton.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
432.0600	EA	CUT IN TEE 6" FURNISH & INSTALL	Furnish and install cut in tee 6", and all other incidentals necessary according to the plans for the sum of dollars and cents each.
432.0800	EA	CUT IN TEE 8" FURNISH & INSTALL	Furnish and install cut in tee 8", and all other incidentals necessary according to the plans for the sum of dollars and cents each.
432.1616	EA	CUT IN TEE 16"x16" RCCP FURNISH & INSTALL	Furnish and install cut in tee 16"x16" RCCP, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
433.0606	EA	MJ TEE 6"x6"x6" WITH BLOCKING FURNISH & INSTALL	Furnish and install 6"x6"x6" MJ Tee with blocking, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
434.0645	EA	BEND 45 DEGREE 6" WITH BLOCKING FURNISH & INSTALL	Furnish and install 6" 45 degree bend with blocking, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
435.0010	EA	MANHOLE COVER REMOVE & REPLACE	For removing existing manhole ring and cover and installing new city-supplied manhole ring and cover on manhole, including all incidentals necessary for the sum of dollars and cents each.
435.0011	EA	MANHOLE COVER "PAMREX" TYPE REMOVE & REPLACE	For removing existing manhole ring and cover and installing new "Pamrex" manhole ring and cover on manhole, including all incidentals necessary for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
435.0030	EA		For adjusting the elevation of existing horizontal valves with manholes to conform to proposed grades according to the plans for the sum of dollars and cents each.
435.0031	EA	RING & COVER W/ CONCRETE RINGS IN 2"	Adjust water manhole rings and covers with concrete rings in 2" increments up to 18" to conform to proposed grades according to the specifications and details for the sum of dollars and cents each.
435.0032	EA		Remove and replace water manhole cone for height adjustment to conform to proposed grades according to the specifications and details for the sum of dollars and cents each.
435.0433	VF		Add height to body of manhole for adjustment of 4 foot water manhole to conform to proposed grades according to the specifications and details for the sum of dollars and cents per vertical foot.
435.0434	VF		Remove height to body of manhole for adjustment of 4 foot water manhole to conform to proposed grades according to the specifications and details for the sum of dollars and cents per vertical foot.
435.0533	VF		Add height to body of manhole for adjustment of 5 foot water manhole to conform to proposed grades according to the specifications and details for the sum of dollars and cents per vertical foot.
435.0534	VF		Remove height to body of manhole for adjustment of 5 foot water manhole to conform to proposed grades according to the specifications and details for the sum of dollars and cents per vertical foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
435.0633	VF	ADD HEIGHT TO BODY OF MANHOLE FOR ADJUSTMENT OF 6' WATER MANHOLE	Add height to body of manhole for adjustment of 6 foot water manhole to conform to proposed grades according to the specifications and details for the sum of dollars and cents per vertical foot.
435.0634	VF	REMOVE HEIGHT FROM BODY OF MANHOLE FOR ADJUSTMENT OF 6' WATER MANHOLE	Remove height to body of manhole for adjustment of 6 foot water manhole to conform to proposed grades according to the specifications and details for the sum of dollars and cents each.
436.1600	LF	WATER 16" DR-25 PVC FURNISH & INSTALL	Furnish and install 16" DR-25 PVC Class 165 water pipe, including all incidentals according to the plans for the sum of dollars and cents per linear foot.
437.0750	EA	3/4" BULLHEAD WATER SERVICE ASSEMBLY FURNISH & INSTALL	Furnish and Install 3/4" bullhead water service assembly including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents each.
438.0000	EA	SERVICE ON PRIVATE PROPERTY	Furnish and Install service on private property from new meter to house at existing connection for the sum of dollars and cents each.
438.0001	LF	SERVICE ON PRIVATE PROPERTY	Furnish and Install service on private property from new meter to house at existing connection for the sum of dollars and cents per linear foot.
440.0600	LF	WATER LOWING 6"	For lowering 6 inch cast or ductile iron, or PVC water main under existing/proposed structures or utilities and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
440.0800	LF		For lowering 8 inch cast or ductile iron, or PVC water main under existing or proposed structures or utilities and all incidentals necessary for the sum of dollars and
			cents per linear foot.
440.1200	LF		For lowering 12 inch cast or ductile iron, or PVC water main under existing or proposed structures or utilities and all incidentals necessary for the sum of dollars and
			cents per linear foot.
440.1600	LF		For lowering 16 inch reinforced concrete cylinder pipe water main under existing or proposed structures or utilities and all incidentals necessary for the sum of dollars and
			cents per linear foot.
440.2400	LF		For lowering 24 inch reinforced concrete cylinder pipe water main under existing or proposed structures or utilities and all incidentals necessary for the sum of dollars and
			cents per linear foot.
441.0600			Furnish and install temporary 6 inch DR-18 PVC Class 150 water pipe including all incidentals necessary to complete according to the plans for the sum of dollars and cents
			per linear foot.
445.0000		INSTALL	Furnish and install flush valve including valve box and all incidentals according to the plans, specifications and details for the sum of dollars and cents each.
450.0000			Furnish and install standard City of Garland fire hydrant of variable depth bury and all other incidentals necessary to complete according to the plans for the sum of dollars and cents
			per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
450.0005	EA	RAISE	Raise existing fire hydrant including all necessary incidentals for the sum of cents per each.
450.0020	EA	RELOCATE	Excavate, remove and relocate existing fire hydrant and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
470.1200	EA	BASIN FURNISH & INSTALL	Furnish and install 12 inch A.D.S. drain basin including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
480.0000	LF	WATER SERVICE 3/4" PVC BY BORE & ENCASE FURNISH & INSTALL	Bore 3/4" PVC water service pipe including steel casing, all according to the plans for the sum of dollars and cents per linear foot.
480.0100	LF		Bore 1" PVC water service pipe including steel casing, all according to the plans for the sum of dollars and cents per linear foot.
480.0600	LF		Bore 6" PVC water pipe including steel casing, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.0750	LF		Bore 3/4" PVC water pipe including steel casing, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
480.0800 l	LF	WATER 8" PVC BORE & ENCASE	Bore 8" PVC water pipe including steel casing, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.1000 l	LF	WATER 1" PVC BORE & ENCASE	Bore 1" PVC water pipe including steel casing, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.1200 l	LF	WATER 12" PVC BORE & ENCASE	Bore 12" PVC water pipe including steel casing, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.1600 l	LF	WATER 16" PVC BORE & ENCASE	Bore 16" pipe including 24" diameter , 3/8" wall steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.1800 l	LF	WATER 18" PVC BORE & ENCASE	Bore 18" pipe including 27" diameter , 7/16" wall steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.2400 l	LF	WATER 24" PVC BORE & ENCASE	Bore 24" pipe including 36" diameter , 1/2" wall steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
480.3600 l	LF	WATER 36" PVC BORE & ENCASE	Bore 36" pipe including 36" diameter , 1/2" wall steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
481.1600 LF		WATER 16" RCCP BORE & ENCASE	Bore 16" RCCP water including steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
481.3000 LF		WATER 30" RCCP B-303 BORE & ENCASE	Bore B-303 30" RCCP water including 60" diameter steel casing pipe with and all incidentals necessary to complete in place, all according to the plans for the sum of dollars and cents per linear foot.
481.3600 LF		WATER 36" RCCP B-303 BORE & ENCASE	Bore B-303 36" RCCP water including 60" diameter steel casing pipe with and all incidentals necessary to complete in place, all according to the plans for the sum of dollars and cents per linear foot.
483.3600 LF		WATER 36" PVC BORE & ENCASE	Bore and encase 36" RCCP (AWWA C-303) pipe including steel casing, spacers, concrete plugging and all incidentals according to the plans and specifications for the sum of dollars and cents per linear foot.
484.2400 LF		WATER 24" RCCP OPEN CUT TRENCH & INSTALL	Open cut trench and install 24 inch reinforced concrete cylinder water pipe AWWA P-303 pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of cents per linear foot.
485.0000 LF		ENCASEMENT" PIPE (OPEN-CUT) INSTALL	Install new" dia" thickness smooth steel encasement pipe by open cut water pipe including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
485.0600 LF		WATER 6" PVC OPEN CUT & ENCASE	Open cut trench and install 6" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
485.0800	LF		Open cut trench and install 8" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
			cents per linear root.
485.1200	LF		Open cut trench and install 12" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and
			cents per linear foot.
485.1210	LF	WATER 12" PVC W/ 20" DR- 25 PVC OPEN CUT TRENCH & INSTALL	Open cut trench and install 12 inch PVC pipe including 20 inch steel casing pipe, spacers and 2000 PSI plugging and all necessary incidentals for the sum of dollars and
			cents per linear foot.
485.2410	LF	INCLUDING 36", 1/2" WALL	Furnish and install by open cut 24" PVC pipe including 36" diameter, 1/2" wall steel casing pipe with 2000 PSI plugging and including all incidental necessary for the sum of dollars and cents per linear foot.
485.3600	LF		Open cut trench and install 36" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and
			cents per linear foot.
486.2400	LF		Furnish and install 24 inch AWWA DI PR Class 250 water pipe with restrained joints (open cut) including all incidentals necessary for the sum of dollars and
			cents per linear foot.
486.2401	LF	WATER 24" AWWA DI PR CLASS 250 FURNISH & INSTALL AERIAL CROSSING	Furnish and install 24 inch AWWA DI PR Class 250 water pipe with restrained joints (Aet) including all incidentals necessary for the sum of dollars and
			cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
489.0000 C	ΣΥ	CONC CAP 2000 PSI FURNISH & INSTALL	Furnish and install 2000 PSI concrete cap for water mains at the locations shown according to the plans, specifications and details for the sum of dollars and cents per cubic yard.
489.1000 L	F	CONC CAP 2000 PSI FURNISH & INSTALL	Furnish and install 2000 PSI concrete cap for water mains at the locations shown according to the plans, specifications and details for the sum of dollars and cents per linear foot.
490.0000 C	Y	CONC ENCASEMENT 2000 PSI FURNISH & INSTALL	Furnish and install 2000 PSI concrete encasement for water mains at the locations shown according to the plans, specifications and details for the sum of dollars and cents per cubic yard.
492.0000 L	F	WATER" SPLIT ENCASEMENT	Split encasement for existing" water including 2000 PSI plugging according to the plans for the sum of dollars and cents per linear foot.
492.0800 L	F	SPLIT ENCASEMENT PIPE FOR EXISTING 8" WATER	Split encasement for existing 8" water including 2000 PSI plugging according to the plans for the sum of dollars and cents per linear foot.
492.1200 L	F	SPLIT ENCASEMENT PIPE FOR EXISTING 12" WATER	Split encasement for existing 12" water including 2000 PSI plugging according to the plans for the sum of dollars and cents per linear foot.
492.2400 L	F	SPLIT ENCASEMENT PIPE FOR EXISTING 24" WATER	Split encasement for existing 24" water including 2000 PSI plugging complete and in place for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT DESCRIP	DESCRIPTION
492.3000 LF	SPLIT ENCASEMENT P FOR EXISTING 30" WA	
493.0000 CY	CONC BLOCKING 2000 FURNISH & INSTALL	Furnish and install 2000 PSI concrete blocking for water mains at the locations shown according to the plans for the sum of dollars and cents per cubic yard.
496.0000 LF	TRENCH SAFETY FUR & INSTALL	NISH Furnish and install complete Trench Safety for water installations, (see "Special Notice to Contractors-Trench Safety") for the sum of cents per linear foot.
500.0400 LF	SANITARY SEWER 4" F SDR-26 FURNISH & INSTALL	Furnish and install 4 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
500.0600 LF	SANITARY SEWER 6" F SDR-26 FURNISH & INSTALL	Furnish and install 6 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
500.0800 LF	SANITARY SEWER 8" F SDR-26 FURNISH & INSTALL	Furnish and install 8 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
500.1000 LF	SANITARY SEWER 10" SDR-26 FURNISH & INSTALL	PVC Furnish and install 10 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
500.1200 LF		SDR-26 FURNISH & INSTALL	Furnish and install 12 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of cents per linear foot.
500.1500 LF		SDR-26 FURNISH & INSTALL	Furnish and install 15 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
500.1800 LF		SDR-26 FURNISH & INSTALL	Furnish and install 18 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
500.2100 LF		SDR-26 FURNISH & INSTALL	Furnish and install 21 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
500.2700 LF		SDR-26 FURNISH &	Furnish and install 27 inch PVC SDR-26 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
501.0400 LF		SDR-35 FURNISH & INSTALL	Furnish and install 4 inch PVC SDR-35 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
501.0600 LF		SDR-35 FURNISH &	Furnish and install 6 inch PVC SDR-35 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
501.0800		SDR-35 FURNISH & INSTALL	Furnish and install 8 inch PVC SDR-35 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of cents per linear foot.
501.1000		SDR-35 FURNISH & INSTALL	Furnish and install 10 inch PVC SDR-35 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of cents per linear foot.
501.1200		SDR-35 FURNISH & INSTALL	Furnish and install 12 inch PVC SDR-35 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
501.1500		SDR-35 FURNISH & INSTALL	Furnish and install 15 inch PVC SDR-35 sanitary sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of cents per linear foot.
501.1800		SDR-35 FURNISH & INSTALL	Furnish and install 18" PVC SDR-35 Sanitary Sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
501.2100		SDR-35 FURNISH & INSTALL	Furnish and install 21" PVC SDR-35 Sanitary Sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.
501.2400		SDR-35 (ASTM F-679) FURNISH & INSTALL	Furnish and install 21" PVC SDR-35 (ASTM F 679) Sanitary Sewer pipe in unclassified depth including all trenching, embedment, backfill and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
501.3000 LF		SDR-35 RANGE FURNISH &	Furnish and install 30 inch PVC SDR-35 Sanitary Sewer pipe, including all incidentals necessary according to the plans for the sum of dollars and cents per linear foots.
501.3600 LF		SDR-35 RANGE FURNISH &	Furnish and install 36 inch PVC SDR-35 Sanitary Sewer pipe, including all incidentals necessary according to the plans for the sum of dollars and cents per linear foots.
503.2400 LF		CCFP FURNISH & INSTALL	Furnish and install 24" Centrifugally Cast Fiberglas Sanitary Sewer pipe in unclassified depth including all incidentals necessary for the sum of dollars and cents per linear foot.
503.2700 LF			Furnish and install 27" Centrifugally Cast Fiberglas Sanitary Sewer pipe in unclassified depth including all incidentals necessary for the sum of dollars and cents per linear foot.
503.3000 LF			Furnish and install 30" Centrifugally Cast Fiberglas Sanitary Sewer pipe in unclassified depth including all incidentals necessary for the sum of dollars and cents per linear foot.
503.3600 LF			Furnish and install 36" Centrifugally Cast Fiberglas Sanitary Sewer pipe in unclassified depth including all incidentals necessary for the sum of dollars and cents per linear foot.
503.4800 LF		SANITARY SEWER 48" CCFP, OPEN CUT, FURNISH & INSTALL	Furnish and install 48" Centrifugally Cast Fiberglas Sanitary Sewer pipe, open cut in unclassified depth according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
503.4810 LF		SANITARY SEWER 48" CCFP, OPEN CUT, INCLUDING CONCRETE CAP FURNISH & INSTALL	Furnish and install 48" Centrifugally Cast Fiberglas Sanitary Sewer pipe, open cut in unclassified depth, including concrete cap according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.
503.5400 LF		SANITARY SEWER 54" CCFP, OPEN CUT, FURNISH & INSTALL	Furnish and install 54" Centrifugally Cast Fiberglas Sanitary Sewer pipe, open cut in unclassified depth including all incidentals necessary for the sum of dollars and cents per linear foot.
503.6001 LF		SANITARY SEWER 60" CCFP, OPEN CUT, DEPTH 5'-20' FURNISH & INSTALL	Furnish and install 60" Centrifugally Cast Fiberglas Sanitary Sewer pipe in open cut conditions in nominal invert depths between 5-feet and 20-feet according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.
503.6002 LF		SANITARY SEWER 60" CCFP, OPEN CUT, GREATER THAN 20' FURNISH & INSTALL	Furnish and install 60" Centrifugally Cast Fiberglas Sanitary Sewer pipe in open cut conditions in nominal invert depths greater than 20-feet according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.
503.6003 LF		SANITARY SEWER 60" CCFP, OPEN CUT, GREATER THAN 30' FURNISH & INSTALL	Furnish and install 60" Centrifugally Cast Fiberglas Sanitary Sewer pipe, open cut conditions in nominal invert depths greater than 30-feet according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.
503.6601 LF		SANITARY SEWER 66" CCFP, OPEN CUT, DEPTH 5'-20' FURNISH & INSTALL	Furnish and install 66" Centrifugally Cast Fiberglas Sanitary Sewer pipe in open cut conditions in nominal invert depths between 5-feet and 20-feet according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.
503.6602 LF		SANITARY SEWER 66" CCFP, OPEN CUT, GREATER THAN 20' FURNISH & INSTALL	Furnish and install 66" Centrifugally Cast Fiberglas Sanitary Sewer pipe in open cut conditions in nominal invert depths greater than 20-feet according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
503.6603	LF	CCFP, OPEN CUT,	Furnish and install 66" Centrifugally Cast Fiberglas Sanitary Sewer pipe, open cut conditions in nominal invert depths greater than 30-feet according to the drawings including all incidentals necessary for the sum of dollars and cents per linear foot.
504.2400	LF	SANITARY SEWER 24" CLOSED PROFILE FURNISH & INSTALL	Furnish and install 24 inch diameter closed profile sanitary sewer in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot.
505.1400	LF	HDPE SLIPLINE	Furnish and install 14 inch diameter sanitary sewer slipliner pipe in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot.
505.2400	LF		Furnish and install 24 inch diameter sanitary sewer slipliner pipe in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot.
507.0600	LF	17 IPS FURNISH & INSTALL	Furnish and install 6 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot
507.0800	LF	17 IPS FURNISH & INSTALL	Furnish and install 8 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot
507.1000	LF	17 IPS FURNISH & INSTALL	Furnish and install 10 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum ofdollars and cents per linear foot

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
507.1010 LF			Furnish and install 11.46 inch minimum average inside diameter pipe (DR-21 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of cents per linear foot.
507.1200 LF			Furnish and install 12.2 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot
507.1210 LF		DR-21 IPS FURNISH &	Furnish and install 12.59 inch minimum average inside diameter pipe (DR-21 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of cents per linear foot.
507.1400 LF		SANITARY SEWER 14" DR- 17 IPS FURNISH & INSTALL	Furnish and install 14 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot
507.1500 LF		DR-17 IPS FURNISH &	Furnish and install 15.2 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot
507.1600 LF		17 IPS FURNISH & INSTALL	Furnish and install 16 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum ofdollars and cents per linear foot
507.1800 LF		17 IPS FURNISH & INSTALL	Furnish and install 18 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum ofdollars and cents per linear foot

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
507.4800	LF	17 IPS FURNISH & INSTALL	Furnish and install 48 inch minimum average inside diameter pipe (DR-17 IPS) by pipe bursting in accordance with plans and specifications, including all incidentals necessary for the sum of dollars and cents per linear foot
509.1200	LF	HDPE (DR-17 DIPS) OPEN	Furnish and install 12" IPS DR-17 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of cents per linear foot.
509.1600	LF	HDPE (DR-17 DIPS) OPEN	Furnish and install 16" IPS DR-17 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
509.1611	LF	HDPE (DR-11DIPS) OPEN	Furnish and install 16" IPS DR-11 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
509.1800	LF	HDPE (DR-17 DIPS) OPEN TRENCH	For furnishing all labor, materials, supervision, and equipment necesssary to construct a 18" HDPE (DR-17 DIPS) sanitary sewer pipe in open trench for the sum of dollars and cents per linear foot.
509.3000	LF	HDPE (DR-17 DIPS) OPEN	Furnish and install 30" IPS DR-17 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of cents per linear foot.
509.3600	LF	HDPE (DR-17 DIPS) OPEN	Furnish and install 36" IPS DR-17 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
509.3900 L			Furnish and install 39" IPS DR-17 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
509.4800 L		HDPE (DR-17 DIPS) OPEN	Furnish and install 48" IPS DR-17 HDPE pipe, open cut, with granular embedment in unclassified trench depth according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
512.4200 l	LF	SANITARY SEWER 42" STEEL CARRIER PIPE	Furnish and install 42 inch STEEL CARRIER SANITARY SEWER PIPE including all incidentals necessary according to the plans, for the sum of dollars and cents per LINEAR FOOT.
513.0800 l		PVC HDPE DIPS (DR-7.3) WITH GRANULAR	Furnish and install 8- inch HDPE DIPS pipe (DR-7.3) open cut, with granular embedment in unclassified depth including all trenching, embedment, backfill, and incidentals necessary, according to the plans and specifications, complete in place for the sum of dollars and cents per linear foot.
513.0801 L	LF	PVC HDPE DIPS (DR-7.3)	Furnish and install 8- inch HDPE DIPS pipe (DR-7.3) open cut, with cement stabilized sand embedment in unclassified trech depth according to the plans and specifications, complete in place for the sum of dollars and cents per linear foot.
513.0810		SANITARY SEWER 8" PVC HDPE DIPS (DR-7.3) , OPEN CUT, 5' TO 20' DEPTH FURNISH & INSTALL	Furnish and install 8- inch HDPE DIPS pipe (DR-7.3) open cut conditions in nominal invert depths between 5-feet and 20-feet according to the plans including all incidentals necessary for the sum of cents per linear foot.
513.0820 [HDPE DIPS (DR-7.3), OPEN	Furnish and install 8- inch HDPE DIPS pipe (DR-7.3) open cut conditions in nominal invert depths between 20-feet and 30-feet according to the plans including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO UNI	Γ DESCRIP	DESCRIPTION
513.0830 LF		Furnish and install 8- inch HDPE DIPS pipe (DR-7.3) open cut conditions in nominal invert depths greater than 30-feet according to the plans including all incidentals necessary for the sum of dollars and cents per linear foot.
513.1600 LF	SANITARY SEWER 16" STEEL CASING PIPE FURNISH & INSTALL	Furnish and install 16- inch steel casing pipe including bore and jack according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
513.7800 LF	SANITARY SEWER 78" STEEL CASING PIPE FURNISH & INSTALL	Furnish and install 78- inch steel casing pipe including bore and jack according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
514.4800 LF	SANITARY SEWER 48" PVC HDPE IPS (DR-21) WITH GRANULAR EMBEDMENT FURNISH & INSTALL	Furnish and install 48- inch HDPE IPS pipe (DR-21), open cut, with granular embedment in unclassified depth including all trenching, embedment, backfill, and incidentals necessary, according to the plans and specifications, complete in place for the sum of dollars and cents per linear foot.
514.4801 LF	SANITARY SEWER 48" PVC HDPE IPS (DR-21) WITH CEMENT STABILIZED SAND EMBEDMENT FURNISH & INSTALL	Furnish and install 48- inch HDPE IPS pipe (DR-21), open cut, with cement stabilized sand embedment in unclassified depth including all trenching, embedment, backfill, and incidentals necessary, according to the plans and specifications, complete in place for the sum of dollars and cents per linear foot.
518.1000 LS		Replacement of existiong 10-inch force main including furnishing and installing of new ductile iron pipe, restrained joint couplings, and all incidentals necessary for the lump sum of dollars and cents.
519.2004 LF	SANITARY SEWER 20" STEEL CASING PIPE W/ 12" SDR-35 PVC PIPE FURNISH & INSTALL	Furnish and install 20" steel casing pipe w/ 12" SDR-35 PVC pipe, icluding bore and jack according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
520.0400		SANITARY SEWER SERVICE 4" FURNISH & INSTALL	Furnish and install 4 inch sanitary sewer services, including all connection as shown in the plans and all incidentals necessary for the sum of dollars and cents each.
520.0401		SANITARY SEWER SERVICE 4" FURNISH & INSTALL, W/RIPRAP REMOVE & REPLACE	Furnish and install 4 inch sanitary sewer services, including all connection as shown in the plans, with riprap removal and replacement, and all incidentals necessary for the sum of dollars and cents each.
520.0410		SANITARY SEWER SERVICE 4" FURNISH & INSTALL	Furnish and install 4 inch sanitary sewer services, including all connection as shown in the plans and all incidentals necessary for the sum of dollars and cents per linear foot.
520.0450		SANITARY SEWER SERVICE 4" RECONNECT	Reconnect 4 inch sanitary sewer services, including all incidentals necessary for the sum of dollars and cents each.
520.0600		SANITARY SEWER SERVICE 6" FURNISH & INSTALL	Furnish and install 6 inch sanitary sewer services, including all connection as shown in the plans and all incidentals necessary for the sum of dollars and cents each.
520.0650		SANITARY SEWER SERVICE 6" RECONNECT	Reconnect 6" sanitary sewer service as shown in the plan, including all incidentals necessary for the sum of dollars and cents per linear foot.
520.0850	LF	SANITARY SEWER SERVICE 8" RECONNECT	Reconnect 8" sanitary sewer service as shown in the plan, including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
521.0000			
521.0400	EA	SAN SEWER CLEAN-OUT 4" FURNISH & INSTALL	Furnish and install 4 inch PVC sanitary sewer clean-outs for each new service installed and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
521.0600		SAN SEWER CLEAN-OUT 6" ON MAIN LINE FURNISH & INSTALL	Furnish and install 6 inch PVC sanitary sewer clean-outs at the end of sanitary main and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
522.0400	EA	DOUBLE 4" SAN SEWER CLEANOUT FURNISH & INSTALL	Furnish and install double 4" sanitary sewer cleanouts for each new service installed and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
522.0401	EA	TWO WAY 4" SAN SEWER CLEANOUT FURNISH & INSTALL	Furnish and install two way 4" sanitary sewer cleanouts for each new service installed and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
522.0600	EA	DOUBLE 6" SAN SEWER CLEAN-OUT FURNISH & INSTALL	Furnish and install double 6 inch PVC sanitary sewer clean-outs for each new service installed and all incidentals necessary according to the plans for the sum of dollars and cents each.
522.0601		TWO WAY 6" SAN SEWER CLEANOUT FURNISH & INSTALL	Furnish and install two way 6" sanitary sewer cleanouts for each new service installed and all incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
522.0800			Furnish and install double 8 inch PVC sanitary sewer clean-outs for each new service installed and all incidentals necessary according to the plans for the sum of dollars and cents each.
527.0000		FURNISH & INSTALL	Furnish and install reinforced concrete sanitary sewer meter and all incidentals necessary according to the plans for the sum of dollars and cents each.
528.0000	EA	VAULT FURNISH & INSTALL	Furnish and install reinforced concrete sanitary sewer meter vault and all incidentals necessary according to the plans for the sum of dollars and cents each.
529.0600		EXTENDABLE BACKWATER	Furnish and install 6-inch extendable backwater valve Part # EBV-P601 manufactured by Clean Check, Inc. or equal (including adapter and plug) all according to the plans and specifications for the sum of dollars and cents each.
530.1600		FURNISH & INSTALL	Furnish and install 16 inch vertical gate valve including box, stack, and concrete pad (where called for), and all incidentals according to the plans for the sum of dollars and cents each.
534.0000	EA	PLUG EXISTING MANHOLE	For furnishing all materials, labor and equipment to plug existing manhole, complete for the sum of dollars and cents each.
535.0005		RING AND COVER FURNISH & INSTALL	Furnish and install bolt down ring and cover, including all incidentals necessary according to the plans, for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
535.0006		RING AND HINGED COVER PAMREX DUCTILE IRON FURNISH & INSTALL	Furnish and install Pamrex ductile iron ring and hinged cover, including all incidentals necessary according to the plans, for the sum of cents each.
535.0007			
535.0020		REHABILITATE SANITARY SEWER MANHOLE	Rehabilitate sanitary sewer manhole with protective coating, including all incidentals necessary according to the plans for the sum of dollars and cents per each.
535.0030		MANHOLE REWORK & RELINE	Rework and reline existing manhole including reworking cone so manhole lid is flush with the ground, including all incidentals necessary according to the plans for the sum of dollars and cents each.
535.0031			Adjust sanitary sewer manhole ring and cover with concrete rings in 2" increments up to 18" per manhole according to the specifications and details for the sum of dollars and cents each.
535.0032		REMOVE & REPLACE SANITARY SEWER MANHOLE CONE FOR HEIGHT ADJUSTMENT	Adjust sanitary sewer manhole height by removing and replacing cone section according to the specifications and details for the sum of dollars and cents each.
535.0035		BOLT DOWN RING AND COVER	For replacing existing manhole ring and cover with sealed ring and cover, including all incidentals necessary according to the plans, for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
535.0400	EA	SAN SEWER MANHOLE 4' DIA CONSTRUCT	Construct standard 4 foot diameter precast or cast in place sanitary sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
535.0410	EA	SAN SEWER MANHOLE 4' DIA WITH RAVEN 405	Construct standard 4 foot diameter precast or cast in place sanitary sewer manhole with Raven 405 Lining, including all incidentals necessary according to the plans for
		CONSTRUCT	the sum of dollars and cents each.
535.0433	VF	ADD HEIGHT TO BODY OF MANHOLE FOR ADJUSTMENT OF 4' SANITARY SEWER MANHOLE	Add height to the body of the manhole for adjustment of 4' sanitary sewer manhole according to specifications and details for the sum of dollars and cents per vertical foot.
535.0434	VF	REMOVE HEIGHT FROM BODY OF MANHOLE FOR ADJUSTMENT OF 4' SANITARY SEWER MANHOLE	Remove height from the body of the manhole for adjustment of 4' sanitary sewer manhole according to the specifications and details for the sum of dollars and cents per vertical foot.
535.0500	EA	SAN SEWER MANHOLE 5' DIA CONSTRUCT	Construct standard 5 foot diameter precast or cast in place sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.
535.0510	EA		Construct standard 5 foot diameter precast or cast in place sanitary sewer manhole with Raven 405 Lining, including all incidentals necessary according to the plans for the sum of dollars and cents each.
535.0533	VF		Add height to the body of the manhole for adjustment of 5' sanitary sewer manhole according to specifications and details for the sum of dollars and cents per vertical foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
535.0534	VF	REMOVE HEIGHT FROM BODY OF MANHOLE FOR ADJUSTMENT OF 5' SANITARY SEWER MANHOLE	Remove height from the body of the manhole for adjustment of 5' sanitary sewer manhole according to the specifications and details for the sum of dollars and cents per vertical foot.
535.0600	EA	SAN SEWER MANHOLE 6' DIA CONSTRUCT	Construct standard 6 foot diameter precast or cast in place sanitary sewer manhole including all incidentals necessary according to the plans for the sum of dollars and cents each.
535.0633	VF	ADD HEIGHT TO BODY OF MANHOLE FOR ADJUSTMENT OF 6' SANITARY SEWER MANHOLE	Add height to the body of the manhole for adjustment of 6' sanitary sewer manhole according to specifications and details for the sum of dollars and cents per vertical foot.
535.0634	VF	REMOVE HEIGHT FROM BODY OF MANHOLE FOR ADJUSTMENT OF 6' SANITARY SEWER MANHOLE	Remove height from the body of the manhole for adjustment of 6' sanitary sewer manhole according to the specifications and details for the sum of dollars and cents per vertical foot.
535.0800	EA	SAN SEWER MANHOLE 8' DIA PRECAST OR CAST-IN- PLACE CONSTRUCT	Construct standard 8 foot diameter precast or cast in place sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0000			
536.0400	EA	SAN SEWER MANHOLE PRECAST 4' DIA SEALED CONSTRUCT	Construct standard sealed 4 foot diameter precast or cast in place sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
536.0401		SANITARY SEWER MANHOLE 4' DIA SEALED OVER EXISTING SEWER LINE CONSTRUCT	Construct standard sealed 4 foot diameter precast or cast in place sanitary sewer manhole over existing sewer line including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0411		MANHOLE 4' DIA SEALED	Construct standard sealed 4 foot diameter precast or cast in place sanitary sewer manhole over existing sewer line including all incidentals necessary according to the plans for the sum of cents each.
536.0412		SAN SEWER MANHOLE PRECAST 4' DIA SEALED WITH INTERNAL DROP CONSTRUCT	Construct standard sealed 4 foot diameter precast or cast in place sanitary sewer manhole with internal drop, including all necessary incidentals for the sum of dollars and cents each.
536.0431		SANITARY SEWER MANHOLE 4' DIA SEALED WITH CONSHIELD ADDITIVE OVER EXISTING SEWER LINE CONSTRUCT	Construct standard sealed 6 foot diameter precast or cast in place sanitary sewer manhole with Conshield additive over existing sewer line including all necessary incidentals for the sum of dollars and cents each.
536.0500		SAN SEWER MANHOLE PRECAST 5' DIA SEALED CONSTRUCT	Construct standard sealed 5 foot diameter precast or cast in place sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0501		MANHOLE 5' DIA SEALED	Construct standard sealed 5 foot diameter precast or cast in place sanitary sewer manhole over existing sewer line including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0510		SAN SEWER MANHOLE PRECAST 5' DIA SEALED WITH RAVEN 405 LINING CONSTRUCT	Construct standard sealed 5 foot diameter precast or cast in place sanitary sewer manhole with Raven 405 Lining, including all incidentals necessary according to the plans for the sum of cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
536.0511	EA	SAN SEWER MANHOLE PRECAST 5' DIA SEALED WITH INTERNAL DROP AND RAVEN 405 LINING CONSTRUCT	Construct standard sealed 5 foot diameter precast or cast in place sanitary sewer manhole with internal drop and Raven 405 Lining, including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0512	EA	SAN SEWER MANHOLE PRECAST 5' DIA SEALED WITH INTERNAL DROP CONSTRUCT	Construct standard sealed 5 foot diameter precast or cast in place sanitary sewer manhole with internal drop, including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0521	EA	SANITARY SEWER MANHOLE 5' DIA SEALED OVER EXISTING SEWER LINE CONSTRUCT	Construct standard sealed 5 foot diameter precast or cast in place sanitary sewer manhole over existing sewer line including all incidentals necessary according to the plans for the sum of cents each.
536.0600	EA	SAN SEWER MANHOLE PRECAST 6' DIA SEALED CONSTRUCT	Construct standard sealed 6 foot diameter precast or cast in place sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.
536.0631	EA	SANITARY SEWER MANHOLE 6' DIA SEALED WITH CONSHIELD ADDITIVE OVER EXISTING SEWER LINE CONSTRUCT	Construct standard sealed 6 foot diameter precast or cast in place sanitary sewer manhole with Conshield additive over existing sewer line including all necessary incidentals for the sum of dollars and cents each.
536.0701	EA	SANITARY SEWER MANHOLE 7' DIA SEALED OVER EXISTING SEWER LINE CONSTRUCT	Construct standard sealed 7 foot diameter precast or cast in place sanitary sewer manhole over existing sewer line including all incidentals necessary for the sum of dollars and cents each.
537.0400	EA	SAN SEWER MANHOLE PRECAST 4' DIA OVER EXISTING LINE CONSTRUCT	Construct 4 foot diameter precast or cast in place manhole over existing sewer line, including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION	
537.0500		SAN SEWER MANHOLE PRECAST 5' DIA OVER EXISTING LINE CONSTRUCT	Construct 5 foot diameter precast or cast in place manhole over existing sewer including all incidentals necessary according to the plans for the sum of dollars and each.	line, cents
537.0600		SAN SEWER MANHOLE PRECAST 6' DIA OVER EXISTING LINE CONSTRUCT	Construct 6 foot diameter precast or cast in place manhole over existing sewer including all incidentals necessary according to the plans for the sum of dollars and each.	
537.0700		SAN SEWER MANHOLE PRECAST 7' DIA OVER EXISTING LINE CONSTRUCT	Construct 7 foot diameter precast or cast in place manhole over existing sewer including all incidentals necessary according to the plans for the sum of dollars and each.	
538.0400		SAN SEWER DROP MANHOLE 4' DIA CONSTRUCT	Construct standard 4 foot diameter precast or cast in place sanitary sewer manh with drop, including all incidentals necessary according to the plans for the sum dollars and cents each.	of
538.0410		SAN SEWER DROP MANHOLE 4' DIA WITH RAVEN 405 LINING CONSTRUCT	Construct standard 4 foot diameter precast or cast in place sanitary sewer mank with drop and Raven 405 Lining, including all incidentals necessary according to plans for the sum of cents each.	
538.0500		SAN SEWER DROP MANHOLE 5' DIA CONSTRUCT	Construct standard 5 foot diameter precast or cast in place sanitary sewer manh with drop, including all incidentals necessary according to the plans for the sum dollars and cents each.	
538.0510		SAN SEWER DROP MANHOLE 5' DIA WITH RAVEN 405 LINING CONSTRUCT	Construct standard 5 foot diameter precast or cast in place sanitary sewer manh with drop and Raven 405 Lining, including all incidentals necessary according to plans for the sum of dollars and cents each.	

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
538.0600	EΑ	MANHOLE 6' DIA. CONSTRUCT	Construct standard 6 foot diameter precast or cast in place sanitary sewer manhole with drop, 10 foot depth or less, including all incidentals necessary for the sum of dollars and cents each.
539.0400	EA	MANHOLE 4' DIA SEALED	Construct standard sealed 4 foot diameter precast or cast in place sanitary sewer manhole with drop, including all incidentals necessary according to the plans for the sum of dollars and cents each.
540.0400	EA	MANHOLE 4' DIA SEALED W/ STUBOUT CONSTRUCT	Construct standard sealed 4 foot diameter precast or cast in place sanitary sewer manhole with stubout, including all incidentals necessary according to the plans for the sum of dollars and cents each.
541.0400	EA	MANHOLE 4' DIA OVER EXISTING LINE	Construct 4 foot diameter precast or cast in place manhole with drop over existing sewer line, including all incidentals necessary according to the plans for the sum of dollars and cents each.
541.0500	EA	PRECAST 5' DIA WITH DROP CONNECTION OVER	Construct 5 foot diameter precast or cast in place manhole over existing sewer line with drop connection, including all incidentals necessary according to the plans for the sum of dollars and cents each.
541.0600	EA	DIA WITH DROP	Construct 6 foot diameter precast or cast in place manhole over existing sewer line with drop connection, including all incidentals necessary according to the plans for the sum of dollars and cents each.
542.0000	EA		Construct 3000 PSI reinforced concrete type "S" sanitary sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
542.5000	ĒΑ	SAN SEWER MANHOLE 5' DIA 3000 PSI TYPE "S" CONSTRUCT	Construct 5 foot diameter 3000 PSI reinforced concrete type "S" sanitary sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
542.6100	EA		Construct 6 foot 3000 PSI reinforced concrete type "S" sanitary sewer manhole over existing sewer line, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
543.0000	EA	INTERNAL DROP CONNECTION TO EXISTING MANHOLE	Construct internal drop connection to existing manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
544.0000	EA	SAN SEWER SECTIONALIZING VALVE STRUCTURE FURNISH & INSTALL	Furnish and install sectionalizing valve structure, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
544.1000	EA	SAN SEWER SLUDGE PIPELINE DRAIN VALVE STRUCTURE FURNISH & INSTALL	Furnish and install sludge pipeline drain valve structure, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
544.2000	EA	SAN SEWER DRAIN VALVE STRUCTURE FURNISH & INSTALL	Furnish and install drain valve structure, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
545.0000	EA	SANITARY SEWER T-BASE MANHOLE CONSTRUCT	Constuct T-Base manhole including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
545.0500	ĒΑ	BASE MANHOLE	Constuct 5 foot diameter T-Base manhole including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents each.
546.0000	EA	DROP MANHOLE	Construct T-Base drop manhole including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents each.
546.0500	EA	BASE DROP MANHOLE CONSTRUCT	Constuct 5 foot diameter T-Base drop manhole including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents each.
547.0600	EA	BOX CONSTRUCT	Construct 6' I.D. Square siphon box, including fiberglass stop gates, bolted and gasketed covers and all incidentals according to the plans for the sum of dollars and cents each.
547.0611	EA	6' I.D. SEALED SQUARE SIPHON BOX W/ CONSHIELD ADDITIVE CONSTRUCT	Construct sealed 6' I.D. Square siphon box with Conshield additive, including all incidentals necessary for the sum of dollars and cents each.
548.0500	EA		Construct 5 foot diameter fiberglass manhole over existing sewer line, including all incidentals necessary according to the plans for the sum of dollars and cents each.
548.0600	EA		Construct 6 foot diameter fiberglass manhole over existing sewer line, including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
549.0500 E	ĒΑ	SAN SEWER MANHOLE FIBERGLASS 5' DIA WITH DROP CONNECTION OVER EXISTING LINE CONNECTION CONSTRUCT	Construct 5 foot diameter fiberglass manhole over existing sewer line with drop connection, including all incidentals necessary according to the plans for the sum of dollars and cents each.
549.0600 E	ĒΑ	SAN SEWER MANHOLE FIBERGLASS 6' DIA WITH DROP CONNECTION OVER EXISTING LINE CONNECTION CONSTRUCT	Construct 6 foot diameter fiberglass manhole over existing sewer line with drop connection, including all incidentals necessary according to the plans for the sum of dollars and cents each.
550.0000	CY	CONSTRUCT	Construct junction structure for sanitary sewer including all incidentals necessary to complete according to the plans for the sum of dollars and cents per cubic yard.
551.1000 L	_S	PIPELINE BLOW-OFF STRUCTURES FURNISH &	Furnish and install sludge pipeline blow-off stuctures, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.1100 L		SAN SEWER FORCE MAIN AND SLUDGE PIPELINE BLOW-OFF STRUCTURES STA. 210+90 FURNISH & INSTALL	Furnish and install force main and sludge pipeline blow-off stuctures at Sta. 210+90 including, but not limited to, concrete manholes and internal valving and piping according to the plans and specifications for the lump sum of dollars and cents.
551.1200 L	_S	JUNCTION MANHOLE	Furnish and install force main/ Line C junction manhole at Sta. 252+38.93 according to the plans and specifications for the lump sum of dollars and cents.
551.1300 L	-S		Furnish and install Line C diversion manhole near force main Sta. 252+38.93 according to the plans and specifications for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
551.1400	LS		Furnish and install force main/ interceptor sewer junction manhole at force main Sta. 254+30.64 according to the plans and specifications for the lump sum of dollars and cents.
551.1500	EA		Furnish and install force main air/ vacuum release structure including, but not limited to, force main tap and outlet, concrete manhole, air/ vacuum release valve and associated piping and valving according to the plans and specifications for the sum of dollars and dollars and
551.1600	LS	CONTROL FACILITY STA.	Furnish and install force main odor control facility at Sta. 192+06.93 including, but not limited to, site clearing, Oates and Rose Hill intersection improvements, access driveway, and odor control structure with internal equipment, piping and valving according to the plans and specifications for the lump sum of dollars and
551.1700	LS	223+40 FURNISH AND	Furnish and install force main odor control facility at Sta. 223+40 including, but not limited to, site clearing, access driveway, fence, and odor control structure with internal equipment, piping and valving according to the plans and specifications for the lump sum of dollars and cents.
551.2000	LS	SANITARY SEWER JUNCTION MANHOLE FURNISH & INSTALL	Furnish and install junction manhole, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.2100	LS	SANITARY SEWER JUNCTION MANHOLE AT STA. 430+26.84 FURNISH & INSTALL	Furnish and install junction manhole at Sta. 430+26.84, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.2200	LS		Furnish and install junction manhole at Sta. 519+83, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
551.2300	LS		Furnish and install junction manhole at Sta. 541+56.54, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.2400	LS		Furnish and install junction manhole at Sta. 556+39.60, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.2500	LS	JUNCTION MANHOLE AT STA. 600+31 FURNISH &	Furnish and install junction manhole at Sta. 600+31, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.2600	LS	JUNCTION BOX E FURNISH & INSTALL	Furnish and install Junction Box E at the end of Line B of the drawings, including all incidentals necessary to complete according to the plans for the lump sum of dollars and cents.
551.5000	EA		Furnish and install air/ vacuum release structure, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
552.0500	EA	FIBERGLASS 5' DIA WITH DROP CONNECTION	Construct 5 foot diameter fiberglass manhole with drop connection, including all incidentals necessary according to the plans for the sum of dollars and cents each.
553.0000	EA		Install City provided 4' Fiberglass WAC at the end of a sanitary sewer line, including all incidentals necessary according to the plans for the sum of dollars and cents EACH.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
555.0500	EA	SAN SEWER MANHOLE FIBERGLASS 5' DIA CONSTRUCT	Construct standard 5 foot diameter fiberglass sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.
555.0533	VF	ADD HEIGHT TO BODY OF MANHOLE FOR ADJUSTMENT OF 5' SANITARY SEWER FIBERGLASS MANHOLE	Add height to the body of the manhole for adjustment of 5' sanitary sewer fiberglass manhole according to specifications and details for the sum of dollars and cents per vertical foot.
555.0600	EA	SAN SEWER MANHOLE FIBERGLASS 6' DIA CONSTRUCT	Construct standard 6 foot diameter fiberglass sanitary sewer manhole, including all incidentals necessary according to the plans for the sum of dollars and cents each.
555.0633	VF	ADD HEIGHT TO BODY OF MANHOLE FOR ADJUSTMENT OF 6' SANITARY SEWER FIBERGLASS MANHOLE	Add height to the body of the manhole for adjustment of 6' sanitary sewer fiberglass manhole according to specifications and details for the sum of dollars and cents per vertical foot.
556.0600	EA	SAN SEWER DROP MANHOLE FIBERGLASS 6' DIA WATERTIGHT CONSTRUCT	Construct watertight standard 6 foot diameter fiberglass sanitary sewer manhole with internal drop, including all incidentals necessary according to the plans for the sum of dollars and cents each.
560.0010	EA	8" SLUDGE PIPELINE DISCHARGE CONNECTION FURNISH & INSTALL	Furnish and install 8" sludge pipeline discharge connection and dig pig receiving station at Sta. 0+00 of line A in existing Dissolved Air Flotation Building at Rowlett Creek WWTP incuding, but not limited to, all piping and valving according to the plans and specifications for the lump sum of dollars and cents.
560.0020	EA	FORCEMAIN DISCHARGE CONNECTION FURNISH & INSTALL	Furnish and install Eastern Hills Force Main discharge connection at Sta. 70+80 incuding, but not limited to, shutdown valve access manhole, and all piping and valving according to the plans and specifications for the sum of dollars and cents per unit.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
560.0030			Furnish and install force main connection and pigging station at Sta. 27+41.62 including, but not limited to, 4-inch gate valve, 8-inch and 10-inch plug valves, and ductile iron piping according to the plans and specifications for the lump sum of dollars and
			cents.
560.0040		INCLUDING 6" SDR-35 PVC	Furnish and install stub-out connection for future service at Sta. 374+12 including 20 feet of 6" SDR-35 PVC sewer pipe and end cap, and all incidentals necessary according to the plans and specifications for the lump sum of dollars and cents.
504,0000	ΕΛ	OLEANOUT AD ILICT	
564.0030	EA	CLEANOUT ADJUST	Adjust sanitary sewer clenout according to the specifications and details for the sum of dollars and cents each.
565.0000	LF	MANDREL & AIR TESTING	Mandrel and air testing Sanitary Sewer pipe according to the specifications and details for the sum of dollars and cents per linear foot.
570.0800		21 HDPE WITH	Open cut trench and install 8" DR 21 HDPE sanitary sewer pipe including all according to the plans for the sum of dollars and cents per linear foot.
570.1800		21 HDPE WITH	Open cut trench and install 18" DR 21 HDPE sanitary sewer pipe including all according to the plans for the sum of dollars and cents per linear foot.
571.0800		SANITARY SEWER 8" DR 21 HDPE BY DIRECTIONAL BORE	Directional bore 8 inch DR 21 HDPE sanitary sewer pipe including all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
571.1000 LF			Directional bore 10 inch DR 21 HDPE sanitary sewer pipe including all according to the plans for the sum of dollars and cents per linear foot.
571.1800 LF			Bore 18" DR 21 HDPE sanitary sewer pipe including all according to the plans for the sum of dollars and cents per linear foot.
572.3600 LF		21 HDPE CASING W/	Furnish and install 36 inch DR 21 HDPE sanitary sewer pipe in aerial crossing carrier pipe including all casing spacers and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
573.1800 LF		SANITARY SEWER 18" DI CLASS 250 CERAMIC EPOXY LINING AND POLYETHYLENE ENCASEMENT - FURNISH & INSTALI	Furnish and install 18 inch ductile iron pressure class 250 flex joint pipe including ceramic epoxy lining and polyethylene encasement in unclassified depth and including all incidentals necessary for the sum of dollars and cents per linear foot.
574.1400 LF	-	SANITARY SEWER 14" HDPE (DR-9 DIPS) BY DIRECTIONAL BORE	Furnish and install 14 inch DR-9 DIPS HDPE sanitary sewer pipe by directional drilling, including all incidentals necessary according to the plans, for the sum of dollars and cents per linear foot
575.1400 LF		SANITARY SEWER 14" HDPE (DR-7 DIPS) BY DIRECTIONAL BORE	Furnish and install 14 inch DR-7 DIPS HDPE sanitary sewer pipe by directional drilling, including all necessary incidentals for the sum of cents per linear foot
580.0000 LF		SAN SEW" PVC BORE & ENCASE	Bore" PVC sanitary sewer including all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
580.0600 LF			Bore 6" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.0800 LF			Bore 8" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1000 LF			Bore 10" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1011 LF			Bore 10" SDR-26 PVC sanitary sewer including 15" smooth bore steel casing (1/4" thickness) with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1200 LF		SAN SEW 12" PVC BORE & ENCASE	Bore 12" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1500 LF			Bore 15" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1501 LF			Bore 15" SDR-26 PVC sanitary sewer including 24" smooth bore steel casing pipe (3/8" thickness) with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
580.1502 LF			Bore 15" SDR-35 PVC sanitary sewer including 24" smooth bore steel casing pipe (3/8" thickness) with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1510 LF	=		Bore 15" SDR-35 PVC sanitary sewer including 24" smooth bore steel casing pipe (1/2" thickness) with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1511 LF			Bore 15" SDR-26 PVC sanitary sewer including 24" smooth bore steel casing pipe (1/2" thickness) with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1600 LF	=		Bore 16" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.1800 LF			Bore 18" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
580.2100 LF			Bore 21" PVC sanitary sewer including smooth bore steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
581.0800 LF			Furnish and install 16" steel casing pipe w/ 8" DIPS DR 7.3 HDP pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
581.1000	LF	SAN SEW SAN SEWER PIPE	Bore10" PVC sanitary sewer with " dry bore" TxDOT standard, including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
581.4801	LF		Furnish and install 60" steel casing pipe w/ 48" DR-21 HDPE pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
581.6000	LF	SAN SEWER 72" STEEL CASING PIPE W/ 60" CCFP FURNISH & INSTALL	Furnish and install 78" steel casing pipe or 78" tunnel liner plate w/ 60" Centrifugally Cast Fiberglass pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
581.6600	LF	CASING PIPE W/ 66" CCFP	Furnish and install 72" steel casing pipe or 78" tunnel liner plate w/ 66" Centrifugally Cast Fiberglas pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
582.0870	LF	CASING W/ SPACERS	Bore 8" PVC sanitary sewer including new 3/16" thickness steel casing with stainless steel spacers, and all incidentals necessary for the sum of dollars and cents per linear foot.
582.1070	LF	CASING W/ SPACERS	Bore 10" PVC sanitary sewer including new 3/16" thickness steel casing with stainless steel spacers, and all incidentals necessary for the sum of dollars and cents per linear foot.
582.1270	LF	CASING W/ SPACERS	Bore 12" PVC sanitary sewer including new 3/16" thickness steel casing with stainless steel spacers, and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
582.1560	LF		Bore 15" PVC sanitary sewer including new 1/4" thickness steel casing with stainless steel spacers, and all incidentals necessary for the sum of dollars and cents per linear foot.
582.1860	LF	SAN SEW 18" PVC, 1/4" CASING W/ SPACERS BORE & ENCASE	Bore 18" PVC sanitary sewer including new 1/4" thickness steel casing with stainless steel spacers, and all incidentals necessary for the sum of dollars and cents per linear foot.
582.4800	LF	SAN SEWER 60" STEEL CASING PIPE W/ 48" DR-17 HDPE PIPE FURNISH & INSTALL	Furnish and install 60" steel casing pipe or 66" tunnel liner plate w/ 48" DR-17 HDPE pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of cents per linear foot.
582.4801	LF	SAN SEWER 60" STEEL CASING PIPE W/ 48" DR-21 HDPE PIPE FURNISH & INSTALL	Furnish and install 60" steel casing pipe or 66" tunnel liner plate w/ 48" DR-21 HDPE pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of cents per linear foot.
582.6000	LF		Furnish and install 72" steel casing pipe or 78" tunnel liner plate w/ 60" Spiral wound fiberglass pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of dollars and cents per linear foot.
582.6600	LF	SAN SEWER 72" STEEL CASING PIPE W/ 66" CCFP FURNISH & INSTALL	Furnish and install 72" steel casing pipe or 78" tunnel liner plate w/ 66" Spiral wound fiberglass pipe, including bore and jack, according to the plans and including all incidentals necessary for the sum of cents per linear foot.
583.2420	LF	SAN SEWER 24" CLOSED PROFILE W/ 36" CASING BORE & ENCASE	Bore 24" PVC closed profile sanitary sewer including 36" steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
583.3030 L	.F	SAN SEWER 30" CLOSED PROFILE W/ 42" CASING BORE & ENCASE	Bore 30" PVC closed profile sanitary sewer including 42" steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
583.3640 L	-F	SAN SEWER 36" CLOSED PROFILE W/ 48" CASING BORE & ENCASE	Bore 36" PVC closed profile sanitary sewer including 48" steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
583.3650 L	_F	SAN SEWER 36" CLOSED PROFILE W/ 54" CASING BORE & ENCASE	Bore 36" PVC closed profile sanitary sewer including 54" steel casing pipe with 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
584.3030 L	_F	SAN SEWER 30" CCFP W/ 42" CASING BORE & ENCASE	Bore 30" centrifugally cast fiberglass sanitary sewer including 42" steel casing pipe, all according to the plans for the sum of dollars and cents per linear foot.
584.3640 L	_F	SAN SEWER 36" CCFP W/ 48" CASING BORE & ENCASE	Bore 36" centrifugally cast fiberglass sanitary sewer including 48" steel casing pipe, all according to the plans for the sum of dollars and cents per linear foot.
585.0000 L	_F	SAN SEWER" PVC SDR- 35 OPEN CUT & ENCASE	Open cut trench and install" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
585.0800 L	_F	SAN SEWER 8" PVC SDR- 35 OPEN CUT & ENCASE	Open cut trench and install 8" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
585.1200 LI		35 OPEN CUT & ENCASE	Open cut trench and install 12" PVC pipe including steel casing pipe, spacers and 2000 PSI plugging all according to the plans for the sum of dollars and cents per linear foot.
			borno per inical root.
588.0600 LI	F		Furnish and install 6" HDPE (DR-17) sanitary sewer by directional bore, including all incidentals necessary according to the plans for the sum of dollars and cents
			per linear foot.
588.1830 LI			Bore 18" HDPE (DR-17) sanitary sewer including 30" smooth bore steel casing pipe with 2000 PSI plugging according to the plans for the sum of dollars and cents
			per linear foot.
589.3010 LI	F	LINER PLATE W/ 30" SDR-35	Furnish and install 48 inch tunnel liner plate w/ 30 inch SDR-35 sanitary sewer pipe, according to the plans and including all incidentals necessary for the sum of dollars and
			cents per linear foot.
589.3020 LI		LINER PLATE W/ 30" CENTRIFUGALLY CAST	Furnish and install 48 inch tunnel liner plate w/ 30 inch Centrifugally Cast Fiberglass pipe, according to the plans and including all incidentals necessary for the sum of dollars and cents per
		FIBERGLASS PIPE	linear foot.
590.1000 C			For 2000 PSI concrete encasement cap for sanitary sewer mains, according to the plan for the sum of dollars and cents per cubic yard.
591.0000 C			For 2000 PSI or greater concrete encasement for sanitary sewer mains, according to the plan for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
592.1600	LF	SAN SEWER 16" STEEL PLIT ENCASEMENT - FURNISH & INSTALL	Furnish and install 16 inch steel split encasement pipe as shown on the plans, including all incidentals necessary for the sum of dollars and cents per linear foot.
593.0000	LS	SANITARY SEWER CONNECTION	Furnish and install connection and pigging station including all incidentals according to the plans, specifications, and details, for the lump sum of dollars and cents.
595.0000	LS	SANITARY SEWER AERIAL CROSSING CONSTRUCT	Construct sanitary sewer aerial crossing all in accordance with plans and specifications for the lump sum of dollars and cents.
596.0000	LF	TRENCH SAFETY	Furnish and install complete trench safety for sanitary sewer installations including all incidentals necessary according to the specifications, details, and regulations of State and Federal for the sum of dollars and cents per linear foot.
596.0010	LS	EXCAVATION SAFETY FURNISH & INSTALL	Furnish and install complete excavation safety for pump station wetwell and junction box installations according to the specifications, details, and regulations of State and Federal for the lump sum of dollars and cents.
597.0000	SY	HDPE LINER MEMBRANE FURNISH & INSTALL	Furnish and Install high density polyethylene (HDPE) liner membrane (80 mil thickness, including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per square yard.
598.1000	LF	VIDEO TAPE W/ "PAN & TILT" CAMERA	Video taping Sanitary Sewer pipe with "pan and tilt" camera according to the specifications and details for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
599.0700	EΑ		Construct sealed 7 foot diameter polymer sewer manhole including all incidentals necessary for the sum of dollars and cents each.
599.0800	EA	SANITARY SEWER POLYMER MANHOLE 8' DIA SEALED CONSTRUCT	Construct sealed 8 foot diameter polymer sewer manhole including all incidentals necessary for the sum of dollars and cents each.
599.1000	LS	LIFT STATION FURNISH & INSTALL	Furnish and Install Lift Station including driveway, fence, all site work and appurtenances, all according to the plans for the lump sum of dollars and cents.
599.2000	EA	CUT PLK	Cut and plug SANITARY SEWER PIPE, all according to the plans for the sum of dollars and cents EACH.
599.3000	EA	CONNECT FORCE MAIN TO MANHOLE	Connect Force Main to Manhole, all according to the plans for the sum of dollars and cents each.
599.3001	EA	CONNECT TO MANHOLE	Connect to existing Manhole, all according to the plans for the sum of dollars and cents each.
599.4000	EA	EXISTING SANITARY SEWER	Cut and plug existing sanitary sewer pipe in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
599.5000 E	EΑ	FORCE MAIN	Cut and plug existing force main in variable depth trench including open cut street backfill and all other incidentals necessary according to the plan for the sum of dollars and cents each.
599.6000 L	S		Abandon existing siphon including all other incidentals necessary according to the plan for the lump sum of dollars and cents.
599.7000 E	ĒΑ	FURNISH AND INSTALL	Furnish and install concrete collars including all incidentals necessary for the sum of dollars and cents each.
599.8000 E	ĒΑ		Connect new 54" CCFP to existing junction box, all according to the plans for the sum of dollars and cents each.
599.9000 E	ΕA		Provide temporary by-pass for sanitary sewer, including all necessary incidentals for the sum of dollars and cents each.
600.0000 L	F	ARMOR JOINTS FURNISH & INSTALL	Furnish and install armor joints all according to the plans, specifications and details for the sum of dollars and cents per linear foot.
610.1000 S	SF	SURFACE REHAB	For bridge deck riding surface rehabilitation including surface preparation, Sika Armatec 110 Epo-Cem (or equal), Sika Ferrogard 903 (or equal) and Sikaquick 1000 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of cents per square foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
610.1100 CY	Y	BENT AT CENTERVILLE FURNISH & INSTALL	Furnish and Install reinforce concrete column and bent for the footbridge over Duck Creek at Centerville, and all necessary incidentals for the sum of dollars and cents per cubic yard.
610.1200 CY	<i>(</i>	BRIDGE BENT CLASS C CONCRETE	Furnish and install class C concrete bent per TxDOT including all necessary incidental for the sum of dollars and cents per cibic yard.
610.2000 LF	-	REHAB	For bridge deck edge rehabilitation including surface preparation, Sika Armatec 110 Epo-Cem (or equal), Sika Ferrogard 903 (or equal) and Sikaquick 1000 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per linear foot.
610.3000 LF	-	REHAB	For bridge armor joint rehabilitation including removal of accumulated debris and sealing with Dow Corning SSI-XJS (or equal) including surface preparation, nosing, and all incidentals necessary to complete, in place, all according to the project plans and details for the sum of dollars and cents per linear foot.
610.4000 SF		REPAIR	For bridge column spall repair including surface preparation, Sika Armatec 110 Epo-Cem (or equal), Sika Ferrogard 903 (or equal) and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of cents per SOLIARE FOOT
610.5000 SF		BRIDGE BENT CAP SPALL REPAIR	For bridge bent cap spall repair including removal of damaged concrete, surface preparation, embedded Sika Galvashield XP (or equal), Sika Armatec 110 Epo-Cem (or equal), Sika Ferrogard 903 (or equal), and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of
610.6000 SF		REHABILITATION	For bridge deck underside rehabilitation including surface preparation, Sika Armatec 110 Epo-Cem (or equal), and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
610.7000	SF	REPAIR	For bridge abutment wall honeycombing repair including surface preparation, Sika Armatec 110 Epo-Cem (or equal), and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of cents per SOLIARE FOOT
610.7011	CY	WING WALLS DUCK	Furnish and Install abutment and wing walls for bridge over Duck Creek at Centerville including all incidentals according to the plans, details, and specifications for the sum of dollars and cents per cubic yard.
610.7012	CY	WING WALLS DUCK	Furnish and Install abutment and wing walls for bridge over Duck Creek at I.H. 30 including all incidentals according to the plans, details, and specifications for the sum of dollars and cents per cubic yard.
610.7013	CY	WING WALLS AT NAAMAN	Furnish and Install abutment and wing walls for bridge at Naaman School Rd. including all incidentals according to the plans, details, and specifications for the sum of dollars and cents per cubic yard.
610.7014	SF	C CONCRETE	For bridge abutment wall honeycombing repair including surface preparation, Sika Armatec 110 Epo-Cem (or equal), and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per
610.7015	CY		Furnish and install Class C concrete abutment per TxDOT including all necessary incidentals for the sum of dollars and cents per cubic yard.
610.8000	SF	CORROSION INHIBITOR	For Sika Ferrogard 903 (or equal) concrete reinforcement corrosion inhibitor on entire bridge deck (top, bottom, and edges) and around perimeter of all repar areas (to foot minimum all around) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per SQUARE

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
610.9000 S	SF.	REHAB	For bridge deck underside rehabilitation including surface preparation, Sika Armatec 110 Epo-Cem (or equal), Sika Ferrogard 903 (or equal) and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of
			cents per SOLIARE FOOT
611.0000 LI	F	JOINT FABRIC FURNISH &	Furnish and install reinforced pavement joint fabric underseal in conformance with TxDOT Item 356, Fabric Underseal, including all incidentals necessary to complete, in place, all according to the project plans and details for the sum of cents per
			linear foot.
611.1100 S	F	BRIDGE ABUTMENT WALL REPAIR	For bridge abutment wall honeycombing repair including surface preparation, Sika Armatec 110 Epo-Cem (or equal), Sika Ferrogard 903 (or equal) and Sikarepair 224 (or equal) including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of
			dollars and
612.0000 Ls	S	STRUCTURE OF EXISTING IRRIGATION MANHOLE FURNISH & INSTALL	For structural augmentation of existing irrigation manhole including all structural steel, fabrication, anchorage and all incidentals necessary to complete, in place, all according to the project plans and details for the LUMP SUM of
			dollars and cents
613.0000 C	Ϋ́	FURNISH & INSTALL	For Class C reinforced concrete bridge column collar including all concrete, reinforcement, forming, excavation, backfill, and all incidentals necessary to complete, in place, all according to the project plans and details for the sum of
			dollars and
613.1000 C	Υ	BRIDGE COLUMN CLASS C CONCRETE FURNISH & INSTALL	Furnish and install Class C concrete bridge column mass placement per TxDOT including all necessary incidentals for the sum of dollars and
			cents per CUBIC YARD.
614.0000 LI	F	FURNISH & INSTALL	Furnish and install structural steel coverplate at existing bridge deck armor joint including all materials, fabrication, anchorage, and all incidentals necessary to complete, in place, all according to the project plans and details for the sum of
			dollars
			and cents per

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
614.1000	LB	STEEL (MISC NON- BRIDGE) FURNISH & INSTALL	Provide structural steel (misc non-bridge) as shown in the plans, specifications, special provisions, and special specifications for the sum of dollars
			and cents per pound.
615.1000	CY	BRIDGE FOOTING CLASS C CONCRETE FURNISH AND INSTALL	Furnish and install Class C concrete footing per TxDOT including all necessary incidentals for the sum of dollars and cents per cubic yard
616.1000	CY	BRIDGE SLAB CLASS C CONCRETE FURNISH & INSTALL	Furnish and install Class C concrete slab per TxDOT including all necessary incidentals for the sum of dollars and cents per cubic yard
616.2000	CY	BRIDGE SLAB REINFORCED CONCRETE FURNISH & INSTALL	Furnish and install reinforce concrete slab per TxDOT including all necessary incidentals for the sum of dollars and cents per cubic yard
617.0000	LS	BRIDGE PEDESTRIAN SIDEWALK FURNISH & INSTALL	Furnish and install pedestrian sidewalk bridge including all necessary incidentals for the lump sum of dollars and cents.
630.1000	CY		Furnish and install Class C concrete approach slab per TxDOT including all necessary incidentals for the sum of dollars and cents per cubic yard
630.1300	CY	BRIDGE APPROACH SLAB	For variable thickness Class S concrete bridge approach slab (BAS-94)(MOD) including slab support, shoulder drain and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
630.1400		CLASS S CONCRETE BRIDGE APPROACH SLAB (BAS-C)(MOD)	For variable thickness Class S concrete bridge approach slab (BAS-C)(MOD) including slab support, shoulder drain and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.
631.0400			Furnish and install 4 inch sealed expansion joint SEJ-A per TXDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
632.0000	CY	BRIDGE ABUTMENT	
632.1000		CRASH CUSHION ATTENUATOR INSTL QUAD N PER TXDOT FURNISH & INSTALL	Furnish & Install crash cushion attenuator INSTL QUAD N per TxDOT including all necessary incidentals for the sum of dollars and cents each.
634.0000	CY	BRIDGE BENT	
652.0000	CY	RETAINING WALL CLASS "C"	For Special retaining wall, Class "C" concrete, including all excavation, reinforcing steel, forming, and all according to the plans and all other incidentals necessary to complete in place for the sum of cents per cubic yard.
652.0001	CY		For Special retaining wall section 1, Class "C" concrete, including all excavation, reinforcing steel, forming, and all according to the plans and all other incidentals necessary to complete in place for the sum of cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
652.0002	CY	RETAINING WALL CLASS "C" SECTION 2	For Special retaining wall section 2, Class "C" concrete, including all excavation, reinforcing steel, forming, and all according to the plans and all other incidentals necessary to complete in place for the sum of cents per cubic yard.
			dollars and cents per cubic yard.
652.0003	CY	RETAINING WALL CLASS "C" SECTION 3	For Special retaining wall section 3, Class "C" concrete, including all excavation, reinforcing steel, forming, and all according to the plans and all other incidentals necessary to complete in place for the sum of
			dollars and cents per cubic yard.
652.0004	CY	RETAINING WALL CLASS "C" SECTION 4	For Special retaining wall section 4, Class "C" concrete, including all excavation, reinforcing steel, forming, and all according to the plans and all other incidentals necessary to complete in place for the sum of
			dollars and cents per cubic yard.
653.1000	CY	RETAINING WALL TYPE 'A' CONSTRUCT	For Type 'A' retaining wall icluding all excavation, reinforcing steel, forming, and railing all according to the plans and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.
653.2000	CY	RETAINING WALL TYPE 'B' CONSTRUCT	For Type 'B' retaining wall icluding all excavation, reinforcing steel, forming, and railing all according to the plans and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.
653.3000	CY	RETAINING WALL TYPE 'C' CONSTRUCT	For Type 'C' retaining wall icluding all excavation, reinforcing steel, forming, and railing all according to the plans and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.
653.4000	CY	RETAINING WALL TYPE 'D' CONSTRUCT	For Type 'D' retaining wall icluding all excavation, reinforcing steel, forming, and railing all according to the plans and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
653.5000	SF	CONCRETE SEGMENTAL	Furnish and install Concrete Segmental Retaining Wall including all excavation, reinforcing steel, forming, and railing all according to the plans and all other incidentals necessary to complete in place for the sum of cents per square feet.
653.6000	SF	RETAINING WALL SPECIAL	Furnish and install Special retaining wall per TxDot including all necessary incidentals
555.5555	O.	FURNISH & INSTALL	for the sum of dollars and cents per square foot.
653.7000	SF	VENEER AND BRICKLEDGE	Construct brick veneer and brickledge on retaining wall including all incidentals necessary according to the plans for the sum of cents per square feet.
654.0000	CY	NIEC ATIVE	For 3000 PSI reinforced concrete negative retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of dollars and cents per cubic yard.
655.0010	LF	SCREENING WALL REMOVE AND REPLACE	Remove and replace screening wall all according to the plans specifications and details for the sum of dollars and cents per cubic yard.
655.0011	LS	AND OR REPLACE	Repair and replacement of Masonry Screen Walls. Work to be subcontracted to a Masonry Contractor designated by the City. Reimbursement equal to cost of subcontract plus 15% for the sum of dollars and cents per lump sum.
655.1000	LF	SINGLE WYTHE MASONRY SCREENING WALL INSTALL	Install single wythe masonry screening wall all according to the plans specifications and details for the sum of dollars and dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
655.2000	LF	DOUBLE WYTHE MASONRY SCREENING WALL INSTALL	Install double wythe masonry screening wall all according to the plans specifications and details for the sum of dollars and cents per linear foot.
656.0000	CY	RETAINING WALL 3600 PSI NEGATIVE	For 3600 PSI reinforced concrete negative retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of dollars and cents per cubic yard.
657.0000	SY	RETAINING WALL R-RAP	For R- rap retaining wall including all excavation, reinforcing steel and forming all according to the plans for the sum dollars and cents per square yard.
658.0000	CY	CONSTRUCT	For 3000 PSI reinforce concrete retaining wall including all excavation, reinforcing steel, forming, and railing all according to the plans and all other incidentals necessary to complete in place for the sum of dollars and cents per cubic yard.
658.1000	CY	RETAINING WALL CONSTRUCT	Construct retaining wall including all necessary incidentals for the sum of dollars and cents per cubic yard.
659.0000	SY	RETAINING WALL RIP RAP	For rip rap retaining wall including all excavation, reinforcing steel and forming all according to the plans for the sum dollars and cents per square yard.
660.0000	CY	RETAINING WALL TYPE RW 1 (H) C	For class C concrete type RW 1 (H) C retaining wall including all excavation, reinforcing steel and forming all according to the plans for the sum dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
661.1000			For type RW 1 (L) C retaining wall including all excavation, concrete, reinforcing steel, forming and all other incidentals according to the plans for the sum dollars and
			cents per cubic yard.
662.0000	CY	RETAINING WALL 3000 PSI TYPE 2	For 3000 PSI type 2 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
663.0000	CY	RETAINING WALL 3000 PSI	For 3000 PSI type 3 retaining wall including all excavation, concrete, reinforcing steel,
		TYPE 3	forming according to the plans for the sum of cents per cubic yard.
664.4000	CY	RETAINING WALL 3000 PSI TYPE 4	For 3000 PSI Type 4 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
665.0000	CY	RETAINING WALL 3000 PSI TYPE 5	For 3000 PSI type 5 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
666.0000	CY	RETAINING WALL 3000 PSI TYPE 6	For 3000 PSI type 6 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
666.1000	CY	RETAINING WALL 3000 PSI TYPE 6A	For 3000 PSI type 6A retaining wall including all excavation, concrete, reinforcing steel, forming and all other incidentals according to the plans for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
666.2011	CY	RETAINING WALL CLASS 'C' TYPE 'B' OR 'C' 13"-36" HEIGHT RANGE 0-10 CONST.	Construct Class 'C' reinforced concrete retaining wall Type B or C in accordance with City Details and Specifications. Wall height between 13-36 inches. Total concrete volume is from 0-10 cubic yards, for the sum of dollars and _ cents per cubic yard.
667.0000			For 3000 PSI type 7 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
668.0000	CY	TYPE 8	For 3000 PSI type 8 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
669.1000	CY	RETAINING WALL 3000 PSI TYPE L1	For 3000 PSI type L1 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
669.2000	CY	RETAINING WALL 3000 PSI TYPE L2	For 3000 PSI type L2 retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
669.3000		RETAINING WALL 3000 PSI TYPE B	For 3000 PSI type B retaining wall including all excavation, concrete, reinforcing steel, forming according to the plans for the sum of cents per cubic yard.
670.0000	CY	HEADWALL & WINGWALLS 3600 PSI CONC CONST	Class "C" 3600 PSI reinforced concrete for headwalls, wing walls and retaining walls including all excavation, forming, backfill, reinforcement steel, approach slabs according to the plans for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
670.0001	CY	HEADWALL & WINGWALLS 3600 PSI CONC CONST	Class "C" 3600 PSI reinforced concrete for headwalls, wing walls and retaining walls including all excavation, forming, backfill, reinforcement steel, approach slabs according to the plans for the sum of dollars and cents per cubic yard.
670.1000 E	ĒΑ	24" PIPE PRECAST SAFETY END TREATMENT (PSET- SC) HEADWALL & WINGWALLS CONSTRUCT	Construct 24" pipe precast safety end treatment (PSET-SC) for headwalls, wing walls and retaining walls including all incidentals necessary for the sum of dollars and cents each.
670.2000 E	ĒΑ		Construct 30" pipe precast safety end treatment (PSET-SC) for headwalls, wing walls and retaining walls including all incidentals necessary for the sum of dollars and cents each.
672.1104 E	ĒΑ	11' x4' TYPE A HEADWALL	Construct 11' x 4' Type A reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
672.1500 E	ĒΑ	HEADWALL 15" TYPE A CONSTRUCT	Construct 15" Type A reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
672.1800 E	ĒΑ	HEADWALL 18" TYPE A CONSTRUCT	Construct 18" Type A reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
672.2400 E	ĒΑ	HEADWALL 24" TYPE A CONSTRUCT	Construct 24" Type A reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
672.3000	CY	HEADWALL 30" TYPE A CONSTRUCT	Construct 30" Type A reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents per cubic yard.
672.3600	EA	HEADWALL 36" TYPE A CONSTRUCT	Construct 36" Type A reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
673.3600	EA	HEADWALL 36" TYPE G CONSTRUCT	Construct 36" Type G reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
673.5400	EA	HEADWALL 54" TYPE G CONSTRUCT	Construct 54" Type G reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
673.6000	EA	HEADWALL 60" TYPE G CONSTRUCT	Construct 60" Type G reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
673.6600	EA	HEADWALL 66" TYPE G CONSTRUCT	Construct 66" Type G reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
673.7200	EA	HEADWALL 72" TYPE G CONSTRUCT	Construct 72" Type G reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
674.0605 E	A	PW-N ON 6'x 5'	Construct 6'x 5' TXDOT PW-N reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.0705 E	A	PW-N ON 7'x 5'	Construct 7'x 5' TXDOT PW-N reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.1004 E	A	PW-N ON 10'x 4'	Construct 10'x 4' TXDOT PW-N reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.1009 E	Α	PW-N ON 10'x 9'	Construct 10'x 9' TXDOT PW-N reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.2008 E	A	PW ON 2-8'x 4' CONSTRUCT	Construct 2 - 8' x 4' TXDOT PW reinforced concrete headwalls including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.3009 E	A	PW ON 3-4'x 3' CONSTRUCT	Construct 3 - 4' x 3' TXDOT PW reinforced concrete headwalls including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.3018 E	A		Construct 3-10'x 6' TXDOT PW reinforced concrete headwall including all necessary incidentals for the sum of dollars and dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
674.3024	EΑ	HEADWALL TXDOT TYPE PW ON 3-10'x 8' CONSTRUCT	Construct 3-10'x 8' TXDOT PW reinforced concrete headwall including all necessary incidentals for the sum of dollars and cents each.
674.3216	EA	HEADWALL TXDOT TYPE PW-N ON 4- 8'x4' CONSTRUCT	Construct 4- 8'x4' TXDOT PW-N reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
674.4024	EA	HEADWALL TXDOT TYPE PW ON 4- 11'x6' CONSTRUCT	Construct 4 - 11' x 6' TXDOT PW reinforced concrete headwalls including all incidentals necessary according to the plans for the sum of dollars and cents each.
675.0000	CY	TOEWALL 3000 PSI CONCRETE	For class 'A' 3000 PSI reinforced concrete for toewalls including all incidentals according to the plans for the sum of dollars and cents per cubic yard.
676.1500	EA	HEADWALL 15" TYPE B CONSTRUCT	Construct 15" Type B reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
676.1800	EA	HEADWALL 18" TYPE B CONSTRUCT	Construct 18" Type B reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
676.2400	EA	HEADWALL 24" TYPE B CONSTRUCT	Construct 24" Type B reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION	
676.2401			Construct 24" TXDOT Type CH-FW reinforced concrete headwall include necessary incidentals for the sum of cents each.	
676.2402		HEADWALL 24" TXDOT CH- PW-O CONSTRUCT	Construct 24" TXDOT Type CH-PW-O reinforced concrete headwall inconcessary incidentals for the sum of cents each.	cluding all dollars and
676.2700			Construct 27" Type B reinforced concrete headwall including all incider according to the plans for the sum of cents per cubic yard.	
676.3600		HEADWALL 36" TYPE B CONSTRUCT	Construct 27" Type B reinforced concrete headwall including all incider according to the plans for the sum of cents each.	ntals necessary dollars and
676.3602		HEADWALL 36" TXDOT CH- PW-O CONSTRUCT	Construct 36" TXDOT Type CH-PW-O reinforced concrete headwall inconcessary incidentals for the sum of cents each.	luding all dollars and
676.4802			Construct 48" TXDOT Type CH-PW-O reinforced concrete headwall inconcessary incidentals for the sum of cents each.	
676.6002			Construct 60" TXDOT Type CH-PW-O reinforced concrete headwall inconcessary incidentals for the sum of cents each.	

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
677.0806			Construct 8'x 6' TXDOT FW-S reinforced concrete headwall including all necessary incidentals for the sum of dollars and dollars and cents each.
677.1006		FW-S ON 4-10'x 6'	Construct 4-10'x 6' TXDOT FW-S reinforced concrete headwall including all incidentals necessary according to the plans for the sum of dollars and cents each.
678.0300	SF		Construct 3" MASONRY VENEER on headwall including all incidentals necessary according to the plans for the sum of dollars and cents per square feet.
678.1000	SF		Form LINER on headwall including all incidentals necessary according to the plans for the sum of dollars and cents per square feet.
678.2000		VENEER AND BRICKLEDGE -	Construct MASONRY VENEER AND BRICKLEDGE on headwall including all incidentals necessary according to the plans for the sum of dollars and cents per square feet.
678.3000		MASONRY CAP FURNISH &	Furnish and Install concrete wall masonry cap including all necessary incidentals for the sum of dollars and cents per square foot.
680.0000	LF		For fabricated steel bridge railing of the type and size as shown in the plans including all priming and painting according to the plans, specifications and details for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
680.1000	LF		Furnish & install 42" combination railing type C66 including all necessary incidentals for the sum of cents per linear foot.
680.2000	LF	BRIDGE RAIL TYPE PR1 FURNISH & INSTALL	Furnish and Install Type PR1 Rail per TXDOT including all incidentals according to the plans for the sum of dollars and cents per linear foot.
680.3000	LF	BRIDGE RAIL TYPE T401 FURNISH & INSTALL	Furnish and Install Type T401 Rail per TXDOT, including all incidentals according to the plans for the sum of dollars and cents per linear foot.
680.4000	LF	RAIL TYPE T221 FURNISH & INSTALL	Furnish and Install Type T221 Rail per TXDOT per TxDOT including all incidentals according to the plans for the sum of dollars and cents per linear foot.
681.0000	LF	RAILING PEDESTRIAN TYPE PR (STEEL)	For pedestrian railing Type PR (steel) as per TxDOT Details and all incidentals according to the plans for the sum of dollars and cents per linear foot.
681.1000	LF	METAL HANDRAILS FABRICATE & INSTALL	For fabrication and installation of steel pipe handrailing for culverts, small bridges or retaining walls as shown in the plans including priming and painting for the sum of cents per linear foot.
681.2000	EA	RAILING PEDESTRIAN PILASTERS CLASS C REINFORCE CONCRETE CONSTRUCT	Construct Class C Reinforced Concrete Pedestrian Railing Pilasters of the size as shown in the plans including reinforcing, anchorage, and all incidentals necessary according to the plans, specifications and details for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
681.2200	CF		Furnish and Install Cast Stone Pilaster Caps of the size as shown in the plans including anchorage and all incidentals necessary according to the plans, specifications and details for the sum of dollars and cents cubic foot.
681.2300	SF		Construct 3" thick MASONRY VENEER on pedestrian rail pilasters including all incidentals necessary according to the plans for the sum ofdollars and cents per square foot.
681.4200	LF	42" STEEL PIPE FABRICATE & INSTALL	For fabrication and installation of 42 inches steel pipe handrailing for culverts, small bridges or retaining walls as shown in the plans including priming and painting for the sum of cents per linear foot.
681.4800	LF	48" STEEL PIPE FABRICATE & INSTALL	For fabrication and installation of 48 inches steel pipe handrailing for culverts, small bridges or retaining walls as shown in the plans including priming and painting for the sum of cents per linear foot.
681.4801	LF	48" STEEL PIPE WITH RUBRAIL FABRICATE &	For fabrication and installation of 48 inches steel pipe handrailing with rubrail including all necessary incidentals for the sum of dollars and cents per linear foot.
681.5400	LF	54" STEEL PIPE WITHOUT	For fabrication and installation of 54 inches steel pipe without mow strip handrailing for culverts, small bridges or retaining walls as shown in the plans including priming and painting for the sum of dollars and cents per linear foot.
681.5410	LF	54" STEEL PIPE WITH MOW	For fabrication and installation of 54 inches steel pipe with mow strip handrailing for culverts, small bridges or retaining walls as shown in the plans including priming and painting for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
682.0000	LF	METAL BEAM GUARD RAIL FURNISH & INSTALL	Furnish and install metal beam guard rail fence including all incidentals according to the plans for the sum of dollars and cents per linear foot.
682.0020	EA	METAL BEAM GUARD RAIL REMOVE & RELOCATE	Remove and relocate existing metal beam guard rail terminal end sections according to the plans and specifications for the sum of cents each.
682.1000	EA	METAL BEAM GUARD RAIL TERMINAL ANGLE SECTION FURNISH & INSTALL	
683.0000	LF	METAL BEAM GUARD W/STEEL POSTS FURNISH & INSTALL	Furnish and install Metal Beam Guard Rail fence including Steel line posts and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
684.0000	LF	RAIL TYPE T-502	For THD Type T-502 Rail, including dowels and modified anchoring as shown, concrete parapet, terminal connectors, and all labor, materials, and all incidentals necessary for the sum of cents per linear foot.
684.1000	LF	RAIL TYPE T-101 FURNISH & INSTALL	For THD Type T-101Rail, including dowels and modified anchoring as shown, concrete parapet, terminal connectors, and all labor, materials, and all incidentals necessary for the sum of cents per linear foot.
684.2000	LF	RAIL TYPE T-201 FURNISH & INSTALL	Furnish and Install Type T-201 Rail, including all incidentals according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
684.4000	LF	RAIL TYPE T-402	For THD Type T-402 Rail, including dowels and modified anchoring as shown, concrete parapet, terminal connectors, and all labor, materials, and all incidentals necessary for the sum of cents per linear foot.
685.0000	LF	TxDOT TYPE RAC GUARD RAIL FURNISH & INSTALL	Furnish and install TxDOT Type RAC guard rail including all incidentals according to the plans for the sum of dollars and cents per linear foot.
686.1000	EA	FOOTBRIDGE FURNISH & INSTALL	Furnish and Install footbridge, including all incidentals according to the plans for the sum of dollars and cents each.
686.1011	EA	FOOTBRIDGE DUCK CREEK AT CENTERVILLE FURNISH & INSTALL	Furnish and Install prefrabricated footbridge over Duck Creek at Centerville, including steel trusses, metal deck, concrete slab, rails and all incidentals according to the plans for the sum of dollars and cents each.
686.1012	EA	FOOTBRIDGE DUCK CREEK AT I.H. 30 FURNISH & INSTALL	Furnish and Install prefrabricated footbridge over Duck Creek at I.H.30, including steel trusses, metal deck, concrete slab, rails and all incidentals according to the plans for the sum of dollars and cents each.
686.1013	EA	FOOTBRIDGE AT NAAMAN SCHOOL RD. FURNISH & INSTALL	Furnish and Install prefrabricated footbridge at Naaman School Rd., including steel trusses, metal deck, concrete slab, rails and all incidentals according to the plans for the sum of dollars and cents each.
686.2000	EA	FOOTBRIDGE FOUNDATION FURNISH & INSTALL	Furnish and Install footbridge foundation, including all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
686.3000	EA	SHED FOUNDATION FURNISH & INSTALL	Furnish and Install shed foundation, including all incidentals according to the plans for the sum of dollars and cents each.
686.4000	EA	RAIL FOUNDATION CLASS C CONCRETE FURNISH & INSTALL	Furnish and Install class C concrete rail foundation per TxDOT including all necssary incidentals for the sum of cents each.
686.5000	EA	BOLLARDS CONCRETE FOUNDATION FURNISH & INSTALL	Furnish and Install concrete bollard foundation including all necssary incidentals for the sum of dollars and cents each.
686.6000	EA	PEDESTRIAN POLE LIGHT SA2 FOUNDATION FURNISH & INSTALL	Furnish and Install pedestrian pole light SA2 foundation including all necssary incidentals for the sum of dollars and cents each.
687.1000	SY	MOW STRIP FURNISH & INSTALL	Furnish and install 6 inch thick, reinforced Class C concrete mow strip including all necessary incidentals for the sum of dollars and cents per square yard.
688.1000	SY	SURFACE TREATMENT CLASS II FURNISH AND INSTALL	Furnish and install concrete surface treatment Class II per TxDOT including all necessayr incidentals for the sum of dollars and cents per square foot.
690.0000	LF	BEAMS PRESTRESSED CONCRETE	For pre-stressed concrete type beams all according to the plans, specifications and details for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
690.1000		BEAMS PRESTRESSED CONCRETE TX54 FURNISH & INSTALL	For pre-stressed concrete girder (TX54) including all necessary incidentals for the sum of dollars and cents per linear foot.
691.1600	LF		Construct 16 inch class "C" 3600 PSI reinforced concrete drilled shaft foundation including all reinforcement steel, drilling, forming according to the plans and specifications for the sum of dollars and cents per linear foot.
691.1800	LF		Construct 18 inch class "C" 3600 PSI reinforced concrete drilled shaft foundation including all reinforcement steel, drilling, forming according to the plans and specifications for the sum of dollars and cents per linear foot.
691.2400		CONSTRUCT	Construct 24 inch class "C" 3600 PSI reinforced concrete drilled shaft foundation including all reinforcement steel, drilling, forming according to the plans and specifications for the sum of dollars and cents per linear foot.
691.5400		CONSTRUCT	Construct 54 inch class "C" 3600 PSI reinforced concrete drilled shaft foundation including all reinforcement steel, drilling, forming according to the plans and specifications for the sum of dollars and cents per linear foot.
692.0000			Furnish and install Concrete Grade Beam including all incidentals necessary according to the plans for the sum of dollars and cents per cubic yard.
692.1818	EA	CONCRETE BEAM 18" X 18"	Construct 18 inch x 18 inch diameter concrete BEAM including all incidentals necessary according to the plans and specifications for the sum of dollars and cents EACH.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
693.1200 l	EA	PIER 12" DIA 10 VF DEEP CONSTRUCT	Construct 12 inch diameter concrete pier 10 feet vertical deep including all incidentals necessary according to the plans and specifications for the sum of dollars and cents each.
694.0001	EA	DRILLED SHAFT PER TxDOT CONSTRUCT	Construct drilled shaft per TxDOT including all necessary incidentals for the sum of dollars and cents each.
694.1800	LF	DRILLED SHAFT 18" PER TxDOT CONSTRUCT	Construct 18 inch drilled shaft per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
694.3000	LF	DRILLED SHAFT 30" PER TxDOT CONSTRUCT	Construct 30 inch drilled shaft per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
694.3600	LF	DRILLED SHAFT 36" PER TxDOT CONSTRUCT	Construct 36 inch drilled shaft per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
694.4200	LF	DRILLED SHAFT 42" PER TxDOT CONSTRUCT	Construct 42 inch drilled shaft per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
699.0000	CY	STRUCTURAL WORK MISCELLANEOUS	Miscellaneous structural work (column remediation) related to concrete construction for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
699.1000	CY	MISCELLANEOUS SPILLWAY STRUCTURAL WORK	Miscellaneous spillway structural work related to concrete construction for the sum of dollars and cents per cubic yard.
699.2000	SF	SEALER OPAQUE	For opaque sealer finish per TxDOT including all necessary incidentals for the sum of dollars and cents per square foot.
699.3000	EA	CANOPY PROVIDE	Provide canopy per TxDOT including all necessay incidentals for the sum of dollars and cents each.
699.4000	EA	MEDALLIAN SMALL FURNISH	Furnish small medallian per TxDOT including all necessay incidentals for the sum of dollars and cents each.
699.5000	EA	MEDALLIAN LARGE PER TxDOT FURNISH	Furnish large medallian per TxDOT including all necessay incidentals for the sum of dollars and cents each.
699.6000	EA	MEDALLIAN SMALL PER TxDOT INSTALL	Install small medallian per TxDOT including all necessay incidentals for the sum of dollars and cents each.
699.7000 l	EA	MEDALLIAN LARGE PER TXDOT INSTALL	Install large medallian per TxDOT including all necessay incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
700.0000	LS		For the installation of all landscaping materials as shown on the plans and specifications unless otherwise indicated, including all appurtenances for the lump sum of dollars and cents.
700.0010		REPLACE	For removal and replace of all landscaping materials as shown on the plans and specifications unless otherwise indicated, including all appurtenances for the lump sum of dollars and cents.
700.0310		CALIPER TREE 3" REMOVE & REPLACE	For removal and replace of 3 inch caliper tree as shown on the plans and specifications unless otherwise indicated, including all appurtenances for the sum of dollars and cents each.
700.1010	EA	BUSHES & SHRUBS REMOVE & REPLACE	For removal and replace of all bushes and shrubs as shown on the plans and specifications unless otherwise indicated, including all appurtenances for the sum of dollars and cents each.
701.0010	EA	TREE REMOVE & REPLACE	For removal and replace of all trees as shown on the plans and specifications unless otherwise indicated, including all appurtenances for the lump sum of dollars and cents.
701.1000	EA		Furnish and install Tree Staking, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
702.0010		SPRINKLER SYSTEM REMOVE, REPLACE & REPAIR	For removal, replacement and repair of all sprinkler heads, control valves, pipe fitting, controllers, and all incidentals according to the plans for the sum of dollars and cents per head.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
702.0011	LS	SPRINKLER SYSTEM REMOVE, REPLACE & REPAIR	For removal, replacement and repair of all sprinkler heads, control valves, pipe fitting, controllers, and all incidentals according to the plans for the lump sum of dollars and cents.
702.0020	LS	SPRINKLER SYSTEM REMOVE, REPLACE & REPAIR	For removal, replacement and repair of all sprinkler heads, control valves, pipe fitting, controllers, and all incidentals according to the plans for the lump sum of dollars and cents.
702.0021	HD	SPRINKLER SYSTEM HYDRAULY CONTROL REMOVE & RELOCATE	For removal, and relocate of all hydrauly control sprinkler heads, control valves, pipe fitting, controllers, and all incidentals according to the plans for the sum of dollars and cents per head.
702.0090	LS	SPRINKLER SYSTEM REPAIR	For repair of all sprinkler heads, control valves, pipe fitting, controllers, and all incidentals according to the plans for the lump sum of dollars and cents.
703.0010	LF	COPPER CONDUCTOR WIRE 12 GAUGE FURNISH & INSTALL	Furnish and install 12 gauge, solid copper conductor wire with direct burial insulation, color coded for sprinkler system complete and in place according to the plans for the sum of dollars and cents per linear foot.
705.0000	LF		Furnish and install root barrier as directed by City Engineering Inspector along the proposed alignment, for the sum of dollars and cents per linear foot.
706.0000	LF	PLANTINGS FOR NATURAL BOTTOM	For planting for natural bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
706.0001		ВОТТОМ	For planting for natural bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents per square foot.
706.1000			For planting and seeding in natural channel bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents per linear foot.
707.1000	LF	REINFORCED SLOPE AREA 1	For planting for reinforced slope Area 1as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
707.1001	SF	REINFORCED SLOPE AREA 1	For planting for reinforced slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per square foot.
707.2000	LF	REINFORCED SLOPE AREA 2	For planting for Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
707.2001	SF	REINFORCED SLOPE AREA 2	For planting for Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per square foot.
707.4000	LF	PLANTINGS FOR VEGETATED	For planting for vegetated as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
708.1000		VEGETATED AREA 1	For planting for vegetated Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
708.2000			For planting for vegetated Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
708.3000	LF		For planting for vegetated Area 3 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
708.3001		VEGETATED AREA 3	For planting for vegetated Area 3 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per square foot.
708.4000	LF	VEGETATED AREA 1	For sodding for vegetated Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
709.1000		AREA 1	For seeding vegetated Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
709.1001			For seeding vegetated Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
709.2001		ВОТТОМ	For seeding channel bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per square yard.
709.3000		SEEDING FOR VEGETATED AREA 3	For seeding vegetated Area 3 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per linear foot.
709.3001		AREA 3	For seeding vegetated Area 3 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and
			cents per square yard.
710.0000		SPECIES OF 3" CALIPER	For planting various species of 3" caliper trees as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
710.1100			For planting Chinese Pistache 100 Gallon including all necessary incidentals for the sum of dollars and cents each.
710.2100		LIVE OAK 100 GALLON PLANT	For planting Live Oak 100 Gallon including all necessary incidentals for the sum of dollars and cents each.
710.3100			For planting Texas Sage 'Silverado' 7 gallon including all necessary incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
710.4100		NEARLY WILD ROSE 3 GALLON PLANT	For planting nearly Wild Rose 3 gallon including all necessary incidentals for the sum of dollars and cents each.
710.5100	EA	CHERRY SAGE 'CORAL' (1 GALLON) PLANT	For planting Cheery Sage 'CORAL' 1 gallon including all necessary incidentals for the sum of dollars and cents each.
710.6100	EA	PINK SKULLCAP 1 GALLON	For planting pink Skullcap 1 gallon icluding all necessary incidentals for the sum of dollars and cents each.
710.7100	EA		For planting Dwarf Burford Holly icluding all necessary incidentals for the sum of dollars and cents each.
711.1000		1'-3' TREE WELLS FURNISH & INSTALL	Furnish and Install 1' - 3' tree wells, including all incidentals according to the plans for the summ of dollars and cents each.
711.1001		1'-3' TREE WELLS FURNISH & INSTALL	Furnish and Install 1' - 3' tree wells, including all incidentals according to the plans for the summ of dollars and cents per square foot.
712.0001	SF	SEEDING FOR NATURAL CHANNEL BOTTOM	For seeding in channel bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents per square foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
713.1000 E	A	BLUESTEM FOR	For planting Bushy Bluestem For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
713.2000 E	A	GAMMA FOR REINFORCED	For planting Eastern Gamma For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
713.3000 E	A	RYE FOR REINFORCED	For planting Virginia Wild Rye For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
713.4000 E	A	FLOWER FOR	For planting Cardinal Flower For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
713.5000 E	A	HONEYSUCKLE FOR	For planting Coral Honeysuckle For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
713.6000 E	A	FOR REINFORCED SLOPE	For planting Wood Fern For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
713.7000 E	A	LANTANA FOR	For planting Texas Lantana For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
713.7100	EA	GALLON PLANT	For planting Texas Lantana 1 Gallon including all necessary incidentals for the sum of dollars and cents each.
713.8000	EA	VERBENA FOR	For planting Texas Verbena For Reinforced Slope Area 1 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
714.4000		ELOWED FOD	For planting Cardinal Flower For Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
714.5000	EA	HONEYSUCKLE FOR	For planting Coral Honeysuckle For Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
714.6000	EA		For planting Wood Fern For Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
714.7000	EA	LANTANA FOR	For planting Texas Lantana For Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
714.8000	EA	VERBENA FOR	For planting Texas Verbena For Reinforced Slope Area 2 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
715.0001	EΑ	STEEL PIPE BOLLARD REMOVE & REPLACE	Remove and replace steel bollards including all necessary incidentals for the sum of dollars and cents per each.
715.0002	EA	BOLLARD WOOD WITH CONCRETE FOUNDATION CONSTRUCT	Construct wood bollards with concrete foundation including all necessary incidentals for the sum of dollars and cents each.
715.0003	EA	REMOVABLE BOLLARD FURNISH & INSTALL	Furnish and Install removable bollard including all necessary incidentals for the sum of dollars and cents each.
715.0004	EA	BOLLARD LIGHTED FURNISH & INSTALL	Furnish and install lighted bollard including all necessary incidentals for the sum of dollars and cents EACH.
715.0005	EA	BOLLARD UNLIGHTED FURNISH & INSTALL	Furnish and install unlighted bollard including all necessary incidentals for the sum of dollars and cents EACH.
715.0600	EA	6" STEEL PIPE BOLLARD FURNISH & INSTALL	Furnish and install 6" schedule 40 steel pipe bollard including grout filler, concrete foundation and all incidentals necessary according to the plans for the sum of dollars and cents per each.
716.1000	EA	PLANTINGS CORALBERY FOR VEGETATED AREA 3	For planting Coralbery For Vegetated Area 3 as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
717.1000 E	EΑ	PLANTINGS HARDSTEM BULLRUSH FOR NATURAL BOTTOM	For planting Hardstem Bullrush for Natural Bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
717.2000 E	A	PLANTINGS SPIKERUSH FOR NATURAL BOTTOM	For planting Spikerush for Natural Bottom as shown on the plans and specifications unless otherwise indicated, including all incidentals necessary for the sum of dollars and cents each.
718.0100 E	Ā	CRAPE MYRTLE, 30 GALLONS FURNISH & INSTALL	Furnish and install Crape Myrtle, 30 gallons, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0110 E	Ā		For planting Crape Myrtle 'Muskogee' 45 Gallon including all necessary incidentals for the sum of dollars and cents each.
718.0200 E	ĒΑ	COLOR GUARD YUCCA, 3 GALLONS AT 24" ON CENTERS FURNISH & INSTALL	Furnish and install Color Guard Yucca, 3 gallons at 24 inches on centers, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0300 E	EΑ	REGAL MIS GULF MULHY, 1 GALLON AT 18" ON CENTERS FURNISH & INSTALL	Furnish and install Regal Mis, Gulf Mulhy, 1 gallons at 18 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0400 E	EΑ	MEXICAN FEATHERGRASS, 1 GALLONS AT 18" ON CENTERS FURNISH & INSTALL	Furnish and install Mexican Featuregrass, 1 gallon at 18 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
718.0500		DWARF PINK GLOSSY ABELIA, 5 GALLONS AT 30" ON CENTER FURNISH & INSTALL	Furnish and install Dwarf Pink Glossy Abelia, 5 gallons at 30 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0600		BLUE RUG JUNIPER, 5 GALLONS AT 24" ON CENTER FURNISH & INSTALL	Furnish and install Blue Rug Juniper 5 gallons at 24 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0700		GALLONS AT 24" ON	Furnish and install Adagio Miscanthus, 5 gallons at 24 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0800		GALLONS AT 24" ON	Furnish and install Caberet Miscanthus, 5 gallons at 24 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.0900		FEATHER REED GRASS, 5	Furnish and install Karl Foerster Feather Reed Grass, 5 gallons at 18 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.1000		MEXICAN FEATHERGRASS, 1 GALLON AT 18" ON CENTER FURNISH & INSTALL	Furnish and install Mexican Feathergrass, 1 gallon at 18 inches on center, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents each.
718.9970			Furnish and install Steel Edging, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
718.9980	SF	FILTER FABRIC FURNISH &	Furnish and install Decorative Mulch with Filter Fabric, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per square foot.
718.9990	SF	TOPMUCH	Furnish and install Landscape Bed Preparation & Topmuch, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per square foot.
719.0000	LS		Furnish and install Fertilizers, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of dollars and cents.
720.0000	LS		For setting permanent markers on the new right-of-way at all property corners to be performed under the direct supervision of a Registered Professional Land Surveyor for the lump sum of dollars and cents.
720.1000	EA	UTILITY MARKERS WITH BRASS CAP IN PAVEMENT	Furnish and install utility markers with brass cap in pavement, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents EACH.
721.0600	LF	CONCRETE	Furnish and install 6 inch 3000 psi concrete bus stop pad, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents per linear foot.
730.0010	SY	& REPLACE	For removing, replacing and compaction of existing gravel driveway or roadway paving of the type and thickness existing or as shown in the plans for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
731.0010	SY	REPLACE	For excavating and removing street and driveway asphalt paving from existing base, replacing 2" HMAC on base which exists in field complete and in place for the sum of dollars and cents per square yard.
750.0000	SY		Furnish and install creek bottom stabilization including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per square yard.
760.3000	LF	BARRICADE TYPE IIII FURNISH & INSTALL	Furnish and install City of Garland Type III barricade as shown in the plans and details, complete and in place, for the sum of cents per linear foot.
761.0000	LF	BARRICADE PRECAST CONCRETE TEMPORARY	For temporary precast concrete traffic barrier according to the plans for the sum of dollars and cents per linear foot.
761.0100	LF	BARRICADE PRECAST CONCRETE TRAFFIC BARRIER TEMPORARY REMOVE & RELOCATE	For removing and relocating temporary precast concrete traffic barrier according to the plans for the sum of dollars and cents per linear foot.
762.0000	EA	CHANGEABLE MESSAGE BOARD TEMPORARY	For temporary changeable message board according to the plans for the sum of dollars and cents each.
762.0001	MOS	BOARD TEMPORARY	For temporary changeable message board according to the plans for the sum of dollars and cents per month.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
763.1000 l	MOS	PORTABLE MESSAGE BOARD TEMPORARY	For temporary portable message board with message to be displayed and location determined by the plans and/ or project owner, and all incidentals necessary according to the plans for the sum of dollars and cents per month.
763.2000	MOS	PORTABLE ARROW BOARD TEMPORARY	For temporary portable arrow board, direction and location determined by the plans and/ or project owner, and all incidentals necessary according to the plans for the sum of dollars and cents per month.
764.0000 E	EΑ	METAL BEAM GUARD RAIL TERMINAL ANCHOR SECTION FURNISH & INSTALL	Furnish and install metal beam guard rail terminal anchor sections as shown in the plans including all incidentals according to the plans for the sum of dollars and cents each.
764.0100 E	EΑ	TxDOT GUARD RAIL TERMINAL FURNISH & INSTALL	Furnish and install TxDOT Standard Single Guardrail Terminal (Et-2000 PLUS), SGT (7)-00 as shown in the plans including all incidentals according to the plans for the sum of dollars and cents each.
764.5000 E	EA	QUADGUARD SYSTEM (WIDE) (TYPE B)	Furnish and install TxDOT Type "B" (wide) Quadguard System as shown in the plans including all incidentals according to the plans, specifications, and details, for the sum of dollars cents per each
765.0000 E	EA	SAFETY END TREATMENT	For construction of Safety End Treatment at locations including all excavation, forming, backfilling, labor, materials and equipment designated on the plans for the sum of dollars and cents each.
768.0000 l	LF	RAIL STRUCTURE FABRICATE & INSTALL	For fabrication and installation of the steel rail structure as shown in the plans including priming and painting for the sum of cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
769.0000 LF	=	TYPE B201 (MOD) RAILING FABRICATE & INSTALL	For fabrication and installation of Type B201 (MOD) Bicycle Railing with chain link fence as shown in the plans including all incidentals necessary for the sum of dollars and cents per linear foot.
770.0000 LF	=	CHAIN LINK FENCE FURNISH & INSTALL	Furnish and install chain link fence including all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0010 LF	-	CHAIN LINK FENCE REMOVE & REPLACE	Remove and replace chain link fence including all posts, rails, finials and all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0400 LF		CHAIN LINK FENCE 4' FURNISH & INSTALL	Furnish and install 4' chain link fence including all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0410 LF	=	CHAIN LINK FENCE 4' REMOVE & REPLACE	Remove and replace 4 foot chain link fence including all posts, rails, finials and all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0500 LF	=	CHAIN LINK FENCE 5' FURNISH & INSTALL	Furnish and install 5' chain link fence including all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0510 LF		CHAIN LINK FENCE 5' REMOVE & REPLACE	Remove and replace 5 foot chain link fence including all posts, rails, finials and all incidentals according to the plans for the sum of cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
770.0600	LF	CHAIN LINK FENCE 6' FURNISH & INSTALL	Furnish and install 6' chain link fence including all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0610	LF	REMOVE & REPLACE	Remove and replace 6 foot chain link fence including all posts, rails, finials and all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0800	LF	CHAIN LINK FENCE 8' FURNISH & INSTALL	Furnish and install 8' chain link fence including all incidentals according to the plans for the sum of dollars and cents per linear foot.
770.0810	LF	REMOVE & REPLACE	Remove and replace 8 foot chain link fence using existing fabric w/ new posts, rails, finials etc. and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
771.0000	LF		Furnish & install temporary chain link fence including all incidentals according to the plans or as approved for the sum of dollars and cents per linear foot.
771.0400	LF	CHAIN LINK FENCE 4' TEMP. FURNISH & INSTALL	Furnish & install 4' temporary chain link fence including all incidentals according to the plans or as approved for the sum of dollars and cents per linear foot.
771.0600	LF	CHAIN LINK FENCE 6' TEMP. FURNISH & INSTALL	Furnish & install 6' temporary chain link fence including all incidentals according to the plans or as approved for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
771.4000 LF	•		Furnish & install 4' temporary chain link fence including all incidentals according to the plans or as approved for the sum of dollars and cents per linear foot.
771.6000 LF			Furnish & install 6' temporary chain link fence including all incidentals according to the plans or as approved for the sum of dollars and cents per linear foot.
772.4010 LF			Remove and reinstall 4' chain link fencing including all posts, rails, finials, 3 strand barbed wire fixture and all incidentals according to the plans for the sum of dollars and cents per linear foot.
772.6000 LF		CHAIN LINK FENCE W/ BARBWIRE 6' FURNISH & INSTALL	Furnish & install 6' chain link fencing including all posts, rails, finials, 3 strand barbed wire fixture and all incidentals according to the plans for the sum of dollars and cents per linear foot.
772.6010 LF		CHAIN LINK FENCE W/ BARBWIRE 6' REMOVE & REINSTALL	Remove and reinstall 6' chain link fencing including all posts, rails, finials, 3 strand barbed wire fixture and all incidentals according to the plans for the sum of dollars and cents per linear foot.
772.6020 LF			Remove & reinstall 6'chain link vehicular or walkway gates including gate posts, barbed wire, and all other incidentals according to the plans for the sum of dollars and cents per linear foot.
773.3010 LF		& REPLACE	Remove and replace 3 foot high wood fence including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
773.4000 LF	=	WOOD FENCE 4' FURNISH & INSTALL	Furnish and install 4 foot high wood fence including all new materials, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
773.4010 LF		WOOD FENCE 4' REMOVE & REPLACE	Remove and replace 4 foot high wood fence including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
773.5010 LF	=	WOOD FENCE 5' REMOVE & REPLACE	Remove and replace 5 foot high wood fence including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
773.6000 LF	-	& INSTALL	Furnish and install 6 foot high wood fence including all new materials, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
773.6010 LF	=	& REPLACE	Remove and replace 6 foot high wood fence including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
773.7010 LF	=	WOOD FENCE 7" REMOVE & REPLACE	Remove and replace 7 foot high wood fence including new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
773.8000 LF	=	& INSTALL	Furnish and install 8 foot high wood fence including all new materials, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
773.8010 LF		& REPLACE	Remove and replace 8 foot high wood fence including new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
774.0000 LF			Furnish and install iron fence, including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of cents per linear foot.
775.0000 LF		FURNISH & INSTALL	Furnish and install livestock or barbed wire fence, including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
775.0010 LF	-	LIVESTOCK FENCE REMOVE & REPLACE	Removal and replace livestock fence including all post, rails, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
775.0020 LF			Furnish and install temporary livestock fence, including all new materials, restoration of all existing gates, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
775.1000 LF		METAL POST TxDOT WF(2)-	Furnish and install barb wire with metal post fencing TxDOT WF(2)-10 including all necessay incidentals for the sum of cents per linear foot.
775.1100 LF			Furnish and install barbless wire with metal post fencing TxDOT WF(2)-10 including all new materials and all incidentals according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
775.2000	LF		Furnish and install cable and steel pole fence, including all new materials, restoration of all existing gates, and all necessary incidentals for the sum of dollars and cents per linear foot.
775.5000	EA	FURNISH & INSTALL	Furnish and install 5-panel aluminum or galvanized metal gate including gate posts, all hardware and latching or locking devices, and all incidentals according to the plans for the sum of cents each.
776.0020	LF		For removal, salvage and reinstallation of existing welded pipe fence according to the plans for the sum of dollars and cents per linear foot.
777.0000	EA	FURNISH & INSTALL	Furnish and install chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.
777.0002	EA		Furnish and install type 1 gate per TxDOT WF(2)-10 including gate posts, all hardware and latching or locking devices, and all necessary incidentals for the sum of dollars and cents each.
777.0010	EA	REMOVE & REPLACE	Remove and replace chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.
777.0310	EA	REMOVE & REPLACE	Remove and replace 3 foot chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
777.0410 E	EΑ	CHAIN LINK GATES 4' REMOVE & REPLACE	Remove and replace 4 foot chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.
777.0610 E	Ā	CHAIN LINK GATES 6' REMOVE & REPLACE	Remove and replace 6 foot chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.
777.0800 E	Ā	FURNISH & INSTALL	Furnish and install 8 foot chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.
777.0810 E	Ā	CHAIN LINK GATES 8' REMOVE & REPLACE	Remove and replace 8 foot chain link vehicular or walkway gates including gate posts, all hardware and latching or locking devices and all incidentals according to the plans for the sum of cents each.
777.1600 E	Ā	CHAIN LINK GATES 16' SINGLE SWING PER TXDOT DETAIL CLF-10 FURNISH & INSTALL	Furnish and Install 16 foot single swing chain link gate per txdot detail CLF-10 including all necessary incidentals for the sum of dollars and cents each.
777.2000 E	Ā	CHAIN LINK GATES 20' DOUBLE SWING PER TXDOT DETAIL CLF-10 FURNISH & INSTALL	Furnish and Install 20 foot double swing chain link gate per txdot detail CLF-10 including all necessary incidentals for the sum of dollars and cents each.
777.2401 E	ĒA	CASTLE GUARD 24' TxDOT CGD-44-04 FURNISH & INSTALL	Furnish and install 24 foot wide cattle guard per TxDOT CGD-44-04 including all necessary incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
778.0010	LF	REMOVE & RELOCATE	Removal and relocate split rail wood fence including all post, rails, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
779.0010	LF		Remove and replace wrought iron fence, including all existing gates, post, rails, finials and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
780.0000	LS	MOBILIZATION TS-5000	For mobilization of personnel, equipment and supplies at the project site in accordance with technical specification TS-5000, complete and in place for the lump sum of dollars and cents.
781.0000	LF	CHAIN LINK AND WOOD FENCES REMOVE AND REPLACE	Remove and replace variable height chain link and wood fences, for the sum of dollars and cents per linear foot.
782.0000	LF	METAL BEAM GUARD FENCE FURNISH & INSTALL	Furnish and install metal beam guard fence (MBGF-03A) including all new materials, and all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
783.0000	SY	WOOD DECK CONSTRUCT/ REPAIR/ REPLACE	Construct Repair or Replace wood deck, for the sum of dollars and cents per square yard.
784.0020	LF	RELOCATE	Remove and relocate PVC fence, including all incidentals necessary according to the plans for the sum of cents per linear foot.

ITEM_NO L	JNIT DESCRIP	DESCRIPTION
784.6010 LF	6' PVC FENCE REMOVE SALVAGE & REPLACE	Remove salvage and replace 6' PVC fence, including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
785.0000		
785.0600 EA	WOOD SLIDING GATE FURNISH & INSTALL	Furnish and install 6' wood sliding gate, including all materials, and all other incidentals necessary according to the plans for the sum of dollars and cents each.
787.1010 SY	CONCRETE DECK REMOVE & REPLACE	Construct Repair or Replace concrete deck, for the sum of dollars and cents per square yard.
788.5800 EA	GROUND RODS 5/8"x8'-0" GROUND RODS PER TxDOT FURNISH & INSTALL	Furnish and install 5/8"x8'0" ground rods inckuding all necessary incidentals for the sum of dollars and cents each.
789.0416 EA	TURBULAR GATE 4'x16' FURNISH & INSTALL	Furnish and install 4'x16' turbular gate including gate posts, all hardware and latching or locking devices, including all necessary incidentals for the sum of dollars and cents each.
789.0852 EA	TURBULAR GATE 4'x26' DOUBLE FURNISH & INSTALL	Furnish and install 4'x26' double turbular gate including gate posts, all hardware and latching or locking devices, and all necessary incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
790.0000		SIGN REMOVE & REINSTALL	For the removal and reinstallation of an existing lighted sign including new base, electrical service and all incidentals according to the plans for the sum of dollars and cents each.
790.1000		TRAFFIC SIGN REMOVE & REINSTALL	For the removal and reinstallation of an existing traffic sign including all incidentals according to the plans for the sum of dollars and cents each.
790.2000		SIGN LIGHTING & OTHER RELATED ELECTICAL	Furnish and install Sign Lighting and Other Related Electrical, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of cents
790.2001	-	SIGN LIGHTING & OTHER RELATED ELECTICAL	ALLOWANCE NO. 1 - Include an allowance of FIFTY THOUSAND DOLLARS AND 00/100 cents for the cost of providing materials, labor, equipment and incidentals for providing the electrical service to irrigation controllers and monument sign lighting to be defined on drawings and specifications to be provided to the Contractor after award of bid. The allowance shall be included by
790.3000		CITY' S ENTRY FEATURE SIGN	Furnish and install City's Entry Feature Sign, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of dollars and cents each.
790.3001		CITY' S ENTRY FEATURE SIGN	ALLOWANCE NO. 2 - Include an allowance of TWENTY-FIVE THOUSAND DOLLARS AND 00/100 cents for the cost of providing materials, labor, equipment and incidentals for the installation of the City's entryway monument sign to be defined on the drawings and specifications to be provided to the Contractor after award of bid. This allowance shall be included by the Contractor in the base bid.
790.4000		SIGN, GATE, CATTLE GUARD AND ACCESSORIES REMOVE , SALVAGE & REPLACE	Remove, salvage and replace FFA Training Center sign, gate, cattle guard, and accessories including all necessary incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
790.5000	EA	SIGN REMOVE & SALVAGE	Remove & salvage sign including all necessary incidentials for the sum dollars and cents each.
791.0000	EA	TxDOT PROVIDE	Provide an electrical service per TxDOT icluding all necessary incidentals for the sum of dollars and cents each.
791.1000	EA	TxDOT PROVIDE	Provide circuit breaker per TxDOT icluding all necessary incidentals for the sum of dollars and cents each.
791.2000	EA		Furnish and Install Electrical Service Distribution enclosure including panelboards, lighting controls, meter bases, time clock, GFCI receptacles grounding other incidentals necessary according to the plans for the sum of dollars and cents each.
791.3000	EA	ELECTRICAL SERVICE CABINET FOUNDATION, FURNISH & INSTALL	Furnish and Install foundation for Electrical Service Enclosure other incidentals necessary according to the plans for the sum of dollars and cents each.
792.0000	EA	PAINT STRUCTURES	For painting of existing metal structures including all incidentals necessary according to the plans for the sum of dollars and cents each.
793.0010	EA	MAILBOXES REMOVE & REINSTALL	For removing salvaging and reinstalling existing rural type mailboxes according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
793.1000 E	ĒA		For providing temporary mail boxes with individual addresses at central locations as determined by the City, complete and in place, for the sum of dollars and cents each.
793.2000 L	F	6' CHAIN LINK FENCE TEMPORARY	For providing temporary 6' chain link fence, for the sum of dollars and cents per linear foot.
794.0000 E	EΑ	SPECIFIC ENGINEERED	Furnish and install complete trench safety for site specific engineered including all incidentals necessary according to the specifications, details, and State and Federal regulations for the sum of dollars and cents EACH.
795.0000 E	A	TIMBER GUARD POST FURNISH & INSTALL	Furnish and install penta treated S.Y.P. timber guard post and all incidentals necessary according to the plans, specifications and details for the sum of dollars and cents each.
796.0000 E	A		Furnish and Install DART Crossing Utility Marker Sign as detailed in the specifications including all incidentals necessary according to the plans for the sum of dollars and cents each.
797.0000 E	Ā		For Capital Improvements signs as shown on the plans and installed according to the plans for the sum of dollars and cents each.
798.0000 L	S		For all erosion control activities incuding devices, methods, temporary seeding, installation, maintenance, removal, etc., and all incidentals necessary according to the plans for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
798.1000		WITH GROUND COVER	For all erosion control activities incuding devices, methods, temporary seeding, installation, maintenance, removal, etc., and all incidentals necessary according to the plans for the lump sum of dollars and cents.
798.2000		STABILIZATION	Furnish and install temporary stabilization for erosion control according to the plans and specifications, complete and in place, for the sum of dollars and cents per square yard.
798.3000		EROSION CONTROL INLET PROTECTION	For all erosion control inlet protection incuding all necessary incidentals for the sum of dollars and cents each.
799.1000			Furnish and install loactor ball, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents EACH.
800.1200		CLASS III FURNISH & INSTALL	Furnish and install 12 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.1500		CLASS III FURNISH & INSTALL	Furnish and install 15 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.1800			Furnish and install 18 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
800.2100 L	F	STORM SEWER 21" RCP CLASS III FURNISH & INSTALL	Furnish and install 21 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
			cents per linear root.
800.2400 L	F	STORM SEWER 24" RCP CLASS III FURNISH & INSTALL	Furnish and install 24 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and
			cents per linear foot.
800.2700 L	F	STORM SEWER 27" RCP CLASS III FURNISH & INSTALL	Furnish and install 27 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and
			cents per linear foot.
800.3000 L	F	STORM SEWER 30" RCP CLASS III FURNISH & INSTALL	Furnish and install 30 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and
			cents per linear foot.
800.3300 L	F	STORM SEWER 33" RCP CLASS III FURNISH & INSTALL	Furnish and install 33 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and
			cents per linear foot.
800.3600 L	F	STORM SEWER 36" RCP CLASS III FURNISH & INSTALL	Furnish and install 36 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of cents
			per linear foot.
800.3900 L	F	STORM SEWER 39" RCP CLASS III FURNISH & INSTALL	Furnish and install 39 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents
			per linear foot.
		l	

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
800.4200	LF	STORM SEWER 42" RCP CLASS III FURNISH & INSTALL	Furnish and install 42 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.4500	LF	STORM SEWER 45" RCP CLASS III FURNISH & INSTALL	Furnish and install 45 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.4800	LF	STORM SEWER 48" RCP CLASS III FURNISH & INSTALL	Furnish and install 48 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.5100	LF	STORM SEWER 51" RCP CLASS III FURNISH & INSTALL	Furnish and install 51 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.5400	LF	STORM SEWER 54" RCP CLASS III FURNISH & INSTALL	Furnish and install 54 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
800.6000	LF	STORM SEWER 60" RCP CLASS III FURNISH & INSTALL	Furnish and install 60 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
800.6600	LF	STORM SEWER 66" RCP CLASS IIIFURNISH & INSTALL	Furnish and install 66 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
800.7200	LF	STORM SEWER 72" RCP CLASS III FURNISH & INSTALL	Furnish and install 72 inch Class III RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
801.1200	LF	STORM SEWER 12" RCP CLASS IV FURNISH & INSTALL	Furnish and install 12 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.2100	LF	STORM SEWER 21" RCP CLASS IV FURNISH & INSTALL	Furnish and install 21 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.2400	LF	STORM SEWER 24" RCP CLASS IV FURNISH & INSTALL	Furnish and install 24 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.2700	LF	27" RCP CLASS IV RCP	Furnish and install 27 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.3000	LF	STORM SEWER 30" RCP CLASS IV FURNISH & INSTALL	Furnish and install 30 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.3300	LF	STORM SEWER 33" RCP CLASS IV FURNISH & INSTALL	Furnish and install 33 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
801.3600		STORM SEWER 36" RCP CLASS IV FURNISH & INSTALL	Furnish and install 36 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.3900		STORM SEWER 39" RCP CLASS IV FURNISH & INSTALL	Furnish and install 39 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.4200		STORM SEWER 42" RCP CLASS IV FURNISH & INSTALL	Furnish and install 42 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.4800		STORM SEWER 48" RCP CLASS IV FURNISH & INSTALL	Furnish and install 48 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.5400		STORM SEWER 54" RCP CLASS IV FURNISH & INSTALL	Furnish and install 54 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.6000		STORM SEWER 60" RCP CLASS IV FURNISH & INSTALL	Furnish and install 60 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.
801.6600		STORM SEWER 66" RCP CLASS IV FURNISH & INSTALL	Furnish and install 66 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessay according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
802.6000	LF		Furnish and install 60 inch Class V RCP storm sewer pipe including all incidentals according to the plans for the sum of dollars and cents per linear foot.
803.2460	LF		For the installation and removal of a temporary 24" corrugated metal pipe including all incidentals necessary for the sum of dollars and cents per linear foot.
803.4260	LF		For the installation and removal of a temporary 42" corrugated metal pipe including all incidentals necessary for the sum of dollars and cents per linear foot.
803.6060	LF		For the installation and removal of a temporary 60" corrugated metal pipe including all incidentals necessary for the sum of dollars and cents per linear foot.
803.6660	LF	STORM SEWER 66" CGMP INSTALL & REMOVE	For the installation and removal of a temporary 66" corrugated metal pipe including all incidentals necessary for the sum of dollars and cents per linear foot.
805.1800	LF	CONTECH A-2000 F949 PVC FURNISH & INSTALL	Furnish and install 18 inch CONTECH A-2000 F949 PVC storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
805.2100	LF	CONTECH A-2000 F949 PVC FURNISH & INSTALL	Furnish and install 21 inch CONTECH A-2000 F949 PVC storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
805.2400 LF	=		Furnish and install 24 inch CONTECH A-2000 F949 PVC storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
805.3000 LF	=		Furnish and install 30 inch CONTECH A-2000 F949 PVC storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
806.1800 LF	=	CONTECH ULTRA FLO	Furnish and install 18 inch CONTECH ULTRA FLO ALSRMP storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
806.2100 LF	=	STORM SEWER 21" CONTECH ULTRA FLO ALSRMP FURNISH & INSTALL	Furnish and install 21 inch CONTECH ULTRA FLO ALSRMP storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
806.2400 LF		STORM SEWER 24" CONTECH ULTRA FLO ALSRMP FURNISH & INSTALL	Furnish and install 24 inch CONTECH ULTRA FLO ALSRMP storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
806.3000 LF	=	STORM SEWER 30" CONTECH ULTRA FLO ALSRMP FURNISH & INSTALL	Furnish and install 30 inch CONTECH ULTRA FLO ALSRMP storm sewer pipe in variable dept trench including all incidentals necessary according to the plans for the sum of cents per linear foot.
807.0000 LF	=	STORM SERWER HDPE	

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
808.0400	LF	4" PVC FURNISH AND INSTALL	Furnish and install 4 inch PVC storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
808.1200	LF	12" PVC FURNISH AND INSTALL	Furnish and install 12 inch PVC storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
809.0000	EA	PLUG EXISTING RCP	For furnishing all materials, labor and equipment to plug existing reinforced concrete pipe, complete for the sum of dollars and cents each.
809.6000	EA	PLUG EXISTING 60" RCP	For furnishing all materials, labor and equipment to plug existing 60 inch reinforced concrete pipe, complete for the sum of dollars and cents each.
810.0500	EA	CURB INLET 5' STANDARD 3000 PSI CONSTRUCT	Construct 5 foot, 3000 PSI concrete standard curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
810.0600	EΛ	CURB INLET 6' STANDARD	Construct 6 foot, 3000 PSI concrete standard curb inlet including all excavation,
810.0000	LA	3000 PSI CONSTRUCT	reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and
			cents each.
810.1000	EA	CURB INLET 10' STANDARD 3000 PSI CONSTRUCT	Construct 10 foot, 3000 PSI concrete standard curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO UNIT	DESCRIP	DESCRIPTION
810.1010 EA	CURB INLET 10' STANDARD 3000 PSI DEEP SET CONSTRUCT	Construct 10 foot, 3000 PSI concrete standard curb inlet (DEEP SET) including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
810.1500 EA	CURB INLET 15' STANDARD 3000 PSI CONSTRUCT	Construct 15 foot, 3000 PSI concrete standard curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
810.2000 EA	CURB INLET 20' STANDARD 3000 PSI CONSTRUCT	Construct double 10 foot, 3000 PSI concrete standard curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
811.0500 EA	CURB INLET 5' RECESSED 3000 PSI CONSTRUCT	Construct 5 foot, 3000 PSI concrete recessed curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
811.0600 EA	CURB INLET 6' RECESSED 3000 PSI CONSTRUCT	Construct 6 foot, 3000 PSI concrete recessed curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
811.0800 EA	CURB INLET 8' RECESSED 3000 PSI CONSTRUCT	Construct 8 foot, 3000 PSI concrete recessed curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
811.1000 EA	CURB INLET 10' RECESSED 3000 PSI CONSTRUCT	Construct 10 foot, 3000 PSI concrete recessed curb inlet including all excavation, reinforcement, backfilling and all other incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
811.1010		CURB INLET 10' RECESSED 3000 PSI DEEP SET CONSTRUCT	Construct 10 foot, 3000 PSI concrete recessed curb inlet (DEEP SET) including all excavation, reinforcement, backfilling and all other incidentals according to the plans for the sum of dollars and cents each.
811.1500		CURB INLET 15' RECESSED 3000 PSI CONSTRUCT	Construct 15 foot, 3000 PSI concrete recessed curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of cents each.
811.1510		RECESSED 3000 PSI DEEP	Construct 15 foot, 3000 PSI concrete recessed curb inlet (DEEP SET) including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
811.2000		CURB INLET 20' RECESSED 3000 PSI CONSTRUCT	Construct double 10 foot, 3000 PSI concrete recessed curb inlet including all excavation,reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
811.3000		CURB INLET 30' RECESSED 3000 PSI CONSTRUCT	Construct double 15 foot, 3000 PSI concrete recessed curb inlet including all excavation, reinforcement, backfilling and all other incidentals necessary according to the plans for the sum of dollars and cents each.
812.0100		GRATE INLET 3000 PSI CONSTRUCT	For construction of one grate inlet of 3000 PSI reinforced concrete including all incidentals according to the plans for the sum of dollars and cents each.
812.0900			Construct 3000 PSI reinforced concrete nine grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
812.1000 EA		PSI CONSTRUCT	Construct 3000 PSI reinforced concrete ten grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.1100 EA		3000 PSI CONSTRUCT	Construct 3000 PSI reinforced concrete eleven grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.2000 EA		PSI CONSTRUCT	Construct 3000 PSI reinforced concrete two grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.2200 EA		TWO GRATE COMBO INLET 3000 PSI CONSTRUCT	Construct 3000 PSI reinforced concrete two grate combination inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.3000 EA		PSI CONSTRUCT	Construct 3000 PSI reinforced concrete three grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.3300 EA		INLET 3000 PSI	Construct 3000 PSI reinforced concrete three grate combination inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.4000 EA		PSI CONSTRUCT	Construct 3000 PSI reinforced concrete four grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
812.5000			Construct two grate alley inlet including all incidentals according to the plans for the sum of dollars and cents each.
812.6000		INLET 3000 PSI	Construct 3000 PSI reinforced concrete three grate combination inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
812.7000		CONSTRUCT	Construct 3000 PSI reinforced concrete six grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of cents each.
812.8000		INLET 3000 PSI CONSTRUCT	Construct 3000 PSI reinforced concrete four grate combination inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
813.1000	EA	CONSTRUCT	Construct 3000 PSI reinforced concrete type I "Y" inlet of the size and depth shown in the plans including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
813.2000		CONSTRUCT	Construct 3000 PSI reinforced concrete type II "Y" inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
813.6000	EA	5'x 5' "Y" INLET	Construct 5'x5' "Y" inlet including all necessary incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
816.1000	EA	CURB INLET 10' STANDARD 3000 PSI ADD- ON CONSTRUCT	Construct 10 foot, 3000 PSI concrete standard inlet connected to existing inlet including all incidentals according to the plans for the sum of dollars and cents each.
817.0000	EA	CURB INLET 10' STANDARD 3000 PSI IN ALLEY CONSTRUCT	Construct 10 foot 3000 PSI concrete standard inlet in alley including all excavation, reinforcement, backfilling and all incidentals according to the plans for the sum of dollars and cents each.
818.0500	EA	INLET TYPE II 5' CURB & GRATE 3000 PSI CONSTRUCT	Construct 5 foot 3000 PSI reinforced concrete type II curb and grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
818.1000	EA	INLET TYPE II 10' CURB & GRATE 3000 PSI CONSTRUCT	Construct 10 foot 3000 PSI reinforced concrete type II curb and grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
818.1500	EA	INLET TYPE II 15' CURB & GRATE 3000 PSI CONSTRUCT	Construct 15 foot 3000 PSI reinforced concrete type II curb and grate inlet of the size and depth shown in the plans including all other incidentals necessary to complete according to the plans for the sum of dollars and cents each.
819.0050	EA	5' CURB INLET WITH 5' EXTENSION CONSTRUCT	Construct 5 foot TxDOT Type II curb inlet and 5 foot extension including all excavation, forming, reinforcing steel, backfilling and all incidentals according to the plans for the sum of dollars and cents each.
819.3000	EA	NYLOPLAST 30" DOME GRATE CONSTRUCT	Construct 30 inch nyloplast dome grate and frame inlet including all incidentals according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
820.0510 EA		INLET TOP 5' REMOVE & REPLACE	For removing an existing damaged top for a 5 foot wide inlet to the bottom of the throat paving, and replacing it with a new inlet top of 3000 psi compressive strength concrete for the sum of cents each.
820.1010 EA		INLET TOP 10' REMOVE & REPLACE	For removing an existing damaged top for a 10 foot wide inlet to the bottom of the throat paving, and replacing it with a new inlet top of 3000 psi compressive strength concrete for the sum of dollars and cents each.
820.1510 EA		INLET TOP 15' REMOVE & REPLACE	For removing an existing damaged top for a 15 foot wide inlet to the bottom of the throat paving, and replacing it with a new inlet top of 3000 psi compressive strength concrete for the sum of dollars and cents each.
820.2010 EA		INLET TOP 20' REMOVE & REPLACE	For removing an existing damaged top for a 20 foot wide inlet to the bottom of the throat paving, and replacing it with a new inlet top of 3000 psi compressive strength concrete for the sum of dollars and cents each.
821.1010 EA	\	INLET TOP TYPE I "Y" REMOVE & REPLACE	For removing an existing damaged top for a Type I "Y" inlet to the bottom of the throat paving, and replacing it with a new inlet top of 3000 psi compressive strength concrete for the sum of cents each.
821.2010 EA	\	INLET TOP TYPE II "Y" REMOVE & REPLACE	For removing an existing damaged top for a Type II "Y" inlet to the bottom of the throat paving, and replacing it with a new inlet top of 3000 psi compressive strength concrete for the sum of cents each.
822.0500 EA		CURB INLET 5' TO JUNCTION BOX CONVERT	Convert 5' curb inlet to junction box, including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
823.0000	VF	VARIOUS TYPE OF INLETS	Add extra depth to various type of inlets all according to the plans, specifications and details for the sum of dollars and cents per vertical foot.
824.1005	EA		For furnishing all materials, labor and equipment to plug existing reinforced concrete box, complete for the sum of dollars and cents each.
825.0000	EA	FURNISH AND INSTALL	Furnish and install concrete collars all according to the plans for the sum of dollars and cents each.
826.0000	EA	SPECIAL GRATE INLET	Furnish and install special grate inlet including all necessary incidentals for the sum of dollars and cents EACH.
830.0500	SY	INCLUDE ROCK & BACKFILL CONSTRUCT	Construct 5" 3000 PSI reinforced conc. channel paving including rock embedment and all incidentals necessary to complete according to the plans for the sum of dollars and cents per square yard.
830.0600	SY	INCLUDE ROCK & BACKFILL CONSTRUCT	Construct 6" 3000 PSI reinforced conc.channel paving including all rock or granular embedment and all incidentals necessary to complete according to the plans for the sum of cents per square yard.
830.1200	SY	INCLUDE ROCK & BACKFILL CONSTRUCT	Construct 12" 3000 PSI reinforced conc.channel paving including all rock or granular embedment and all incidentals necessary to complete according to the plans for the sum of cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
831.0000	SF	BLOCKS FURNISH AND	Furnish and Install Articulated Concrete Blocks including all incidentals necessary to complete according to the plans for the sum of dollars and cents per square feet.
832.0000	SF	AND INSTALL	Furnish and Install Concrete Segmental Retaining Wall including all incidentals necessary to complete according to the plans for the sum of dollars and cents per square feet.
832.1000	SF	RETAINING WALL IN SMALL BLOCK FURNISH	Furnish and Install Concrete Segmental Retaining Wall in small block including all incidentals necessary to complete according to the plans for the sum of dollars and cents per square feet.
834.2322	LF	FURNISH & INSTALL	Construct two 3-inch and two 2-inch schedule 40PVC concrete encased duct bank by open cut and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
835.0400	EA	DIA CONSTRUCT	Construct standard 4 foot diameter precast or cast in place storm sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
835.0500	EA	DIA CONSTRUCT	Construct standard 5 foot diameter precast or cast in place storm sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
835.0600	EA	DIA CONSTRUCT	Construct standard 6 foot diameter precast or cast in place storm sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
836.0000	CY	MANHOLE TXDOT TYPE "M" 3600 PSI CONST.	Construct one (1) TxDOT Type "M" manholes (MH-M) to be constructed of 3600 psi reinforced concrete for the sum of dollars and cents per cubic yard.
837.0000	EA	STORM SEW MANHOLE TYPE "B" CONSTRUCT	Construct standard type "B" precast or cast in place storm sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
837.1000	EA	STORM SEW MANHOLE SEAL TYPE "B" CONSTRUCT	Construct standard seal type "B" precast or cast in place storm sewer manhole, including all incidentals necessary to complete according to the plans for the sum of dollars and cents each.
840.0000	CY	STORM SEW MANHOLE WITH A CAST IN PLACE RISER CONSTRUCT	Construct a storm sewer manhole with cast in place riser, including all incidentals necessary to complete according to the plans for the sum of dollars and cents per cubic yard.
845.1200	LF	STORM SERWER 12" ADS N-12 HDPE FURNISH AND INSTALL	Furnish and install 12 inch ADS N-12 HDPE icluding all necessary incidentals for the sum of cents per linear foot.
850.0000	CY	TYPE I JUNCTION BOX 3000 PSI CONCRETE CONSTRUCT	Construct 3000 PSI reinforced type I junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and cents per cubic yard.
851.0000	CY	TYPE II JUNCTION BOX 3000 PSI CONCRETE CONSTRUCT	Construct 3000 PSI reinforced type II junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION	
852.0000 EA		MANHOLE CONSTRUCT	Construct concrete type "M" storm sewer manhole including reinforcement and a incidentals according to the details and specifications for the sum of dollars and each.	all cents
853.0000 CY	;	3000 PSI CONCRETE CONSTRUCT	Construct 3000 PSI standard junction box for storm sewer including all incidental necessary to complete according to the plans for the sum of dollars and per cubic yard.	als cents
853.0804 CY	;	3000 PSI CONCRETE 8' x 4' CONSTRUCT	Construct 3000 PSI standard 8' x 4' junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and per cubic yard.	_ cents
853.0806 CY	,	3000 PSI CONCRETE 8' x 6' CONSTRUCT	Construct 3000 PSI standard 8' x 6' junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and per cubic yard.	_ cents
853.0906 CY	;	3000 PSI CONCRETE 9' x 6' CONSTRUCT	Construct 3000 PSI standard 9' x 6' junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and per cubic yard.	_ cents
853.1000 CY	4	4200 PSI CONCRETE CONSTRUCT	Construct 4200 PSI standard junction box for storm sewer including all incidental necessary to complete according to the plans for the sum of dollars and per cubic yard.	als cents
853.1104 CY	;	3000 PSI CONCRETE 11' x 4' CONSTRUCT	Construct 3000 PSI standard 11' x 4' junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and per cubic yard.	cents

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
853.9999	CY	CLASS B CONCRETE JUNCTION BOX CONSTRUCT	Construct class B concrete junction box for storm sewer including all incidentals necessary to complete according to the plans for the sum of dollars and cents per cubic yard.
854.0605 E	ĒΑ	JUNCTION BOX 6' X 5' CONSTRUCT	Construct concrete junction box 6' x 5' including reinforcement and all incidentals according to the details and specifications for the sum of dollars and cents each.
854.1000 E	ΞA	NO. 1 JUNCTION BOX CONSTRUCT	Construct concrete junction box No. 1 including reinforcement and all incidentals according to the details and specifications for the sum of dollars and cents each.
854.1508 E	ĒΑ	JUNCTION BOX 15' X 08' CONSTRUCT	Construct concrete junction box 15' x 08' including reinforcement and all incidentals according to the details and specifications for the sum of dollars and cents each.
854.2000 E	ĒΑ	NO. 2 JUNCTION BOX CONSTRUCT	Construct concrete junction box No. 2 including reinforcement and all incidentals according to the details and specifications for the sum of dollars and cents each.
855.0909 E	ĒΑ	PRECAST JUNCTION BOX 9'x9' CONSTRUCT	Furnish and install Precast 9'x9' Junction Box including all necessary incidentals for the sum of dollars and cents per linear foot.
860.0000 L	_F	BOX CULVERT' x' FURNISH & INSTALL	Furnish and install' x' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
860.0303	LF	BOX CULVERT 3' x 3' FURNISH & INSTALL	Furnish and install 3' x 3' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0304	LF	BOX CULVERT 3' x 4' FURNISH & INSTALL	Furnish and install 3' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0402	LF	BOX CULVERT 04' x 02' FURNISH & INSTALL	Furnish and install 04' x 02' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0403	LF	BOX CULVERT 04' x 03' FURNISH & INSTALL	Furnish and install 04' x 03' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0404	LF	BOX CULVERT 4' x 4' FURNISH & INSTALL	Furnish and install 4' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0502	LF	BOX CULVERT 5' x 2' FURNISH & INSTALL	Furnish and install 5' x 2' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0503	LF	BOX CULVERT 5' x 3' FURNISH & INSTALL	Furnish and install 5' x 3' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
860.0504	LF	BOX CULVERT 5' x 4' FURNISH & INSTALL	Furnish and install 5' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0505	LF	BOX CULVERT 5' x 5' FURNISH & INSTALL	Furnish and install 5' x 5' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0602	LF	BOX CULVERT 6' x 5' FURNISH & INSTALL	Furnish and install 6' x 2' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0603	LF	BOX CULVERT 6' x 3' FURNISH & INSTALL	Furnish and install 6' x 3' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0604	LF	BOX CULVERT 6' x 4' FURNISH & INSTALL	Furnish and install 6' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0605	LF	BOX CULVERT 6' x 5' FURNISH & INSTALL	Furnish and install 6' x 5' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0606	LF	BOX CULVERT 6' x 6' FURNISH & INSTALL	Furnish and install 6' x 6' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
860.0702 L	F	BOX CULVERT 7' x 2' FURNISH & INSTALL	Furnish and install 7' x 2' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0704 L	F	BOX CULVERT 7' x 4' FURNISH & INSTALL	Furnish and install 7' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0707 L	F	BOX CULVERT 7' x 7' FURNISH & INSTALL	Furnish and install 7' x 7' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0804 L	F	BOX CULVERT 8' x 4' FURNISH & INSTALL	Furnish and install 8' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0805 L	F	BOX CULVERT 8' x 5' FURNISH & INSTALL	Furnish and install 8' x 5' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0806 L	F	BOX CULVERT 8' x 6' FURNISH & INSTALL	Furnish and install 8' x 6' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0904 L	F	BOX CULVERT 9' x 4' FURNISH & INSTALL	Furnish and install 9' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
860.0905 LF	=	BOX CULVERT 9' x 5' FURNISH & INSTALL	Furnish and install 9' x 5' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.0908 LF	=	BOX CULVERT 9' x 8' FURNISH & INSTALL	Furnish and install 9' x 8' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1004 LF	=	BOX CULVERT 10' x 4' FURNISH & INSTALL	Furnish and install 10' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1005 LF	=	BOX CULVERT 10' x 5' FURNISH & INSTALL	Furnish and install 10' x 5' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1006 LF	=	BOX CULVERT 10' x 06' FURNISH & INSTALL	Furnish and install 10' x 06' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1007 LF	=	BOX CULVERT 10' x 07' FURNISH & INSTALL	Furnish and install 10' x 07' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1008 LF		BOX CULVERT 10' x 08' FURNISH & INSTALL	Furnish and install 10' x 08' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
860.1009 LF	F	BOX CULVERT 10' x 9' FURNISH & INSTALL	Furnish and install 10' x 9' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1010 LF	F	BOX CULVERT 10' x 10' FURNISH & INSTALL	Furnish and install 10' x 10' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1104 LF	F	BOX CULVERT 11' x 4' FURNISH & INSTALL	Furnish and install 11' x 4' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1106 LF	F	BOX CULVERT 11' x 6' FURNISH & INSTALL	Furnish and install 11' x 6' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.1205 LF	F	BOX CULVERT 12' x 05' FURNISH & INSTALL	Furnish and install 12' x 05' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
860.3216 LF	F	BOX CULVERT 4- 8' x 4' TXDOT TYPE MC-8-13 FURNISH & INSTALL	Furnish and install 10' x 10' box culvert either pre-cast sections or cast-in place including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.
861.2508 LF	F	CROWN SPAN PRECAST 25' x 8' FURNISH & INSTALL	Furnish and install 25' x 8' crown span pre-cast including all excavation embedment and all incidentals necessary for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
863.0000	LF	BOX CULVERT TRANSITION CAST- IN- PLACE FURNISH & INSTALL	Furnish and install Cast-In-Place Box Culvert transition including all excavation, embedment and all incidentals according to the plans for the sum of dollars and cents per linear foot.
863.1000	LF	TRANSITION CAST- IN- PLACE PIPE TO BOX CULVERT FURNISH & INSTALL	Furnish and install 36 inch Class IV RCP storm sewer pipe in variable depth trench including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
863.2000	LF	TRANSITION CAST- IN- PLACE BOX TO BOX CULVERT FURNISH & INSTALL	Furnish and install Cast-In-Place Box to Box Culvert transition including all excavation, embedment and all incidentals according to the plans for the sum of dollars and cents per linear foot.
863.4000	LF	BOX CULVERT TRANSITION CAST- IN- PLACE 8'x6' to 7'x7' FURNISH & INSTALL	Furnish and install Cast-In-Place Box Culvert transition (8' X 6' TO 7' X 7') including all excavation, embedment and all necessary incidentals for the sum of dollars and cents per linear foot.
863.5000	LF	BOX CULVERT TRANSITION CAST- IN- PLACE 7'x7' to 6'x4' FURNISH & INSTALL	Furnish and install Cast-In-Place Box Culvert transition (7' X 7' TO 6' X 4') including all excavation, embedment and all necessary incidentals for the sum of dollars and cents per linear foot.
865.0000	SY	CONC DRAINAGE FLUME CONSTRUCT	Construct 3000 PSI reinforced concrete drainage flume of the width, depth and length including all incidentals necessary according to plans for the sum of dollars and cents per square yard.
865.3000	SY	30" CONC DRAINAGE FLUME CONSTRUCT	Construct 30 inch 3000 PSI reinforced concrete drainage flume of the width, depth and length including all incidentals necessary according to plans for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
865.3600	SY	36" CONC DRAINAGE FLUME CONSTRUCT	Construct 36 inch 3000 PSI reinforced concrete drainage flume of the width, depth and length including all incidentals necessary according to plans for the sum of dollars and cents per square yard.
866.0000	EA	SWALE BASIN CONTROL MANHOLE	
878.0000	CY	CHANNEL BED ROCK RIPRAP FURNISH & INSTALL	For channel bed rock riprap (D50=26 inches) including dewatering, excavation, hauling, filter fabric, rock, placement and all incidentals necessary to complete, in place, all according to the project plans and details for the sum of dollars and dollars and dollars and
879.0000	SY	ROCK RIPRAP FURNISH & INSTALL	Furnish and install rock riprap of the thickness shown according to the plans, specifications and details for the sum of dollars and cents per square yard.
879.0600	SY	ROCK RIPRAP 6" FURNISH & INSTALL	Furnish and install 6 inch rock riprap including all necessary incidentals for the sum of dollars and cents per square yard.
879.1800	SY	ROCK RIPRAP 18" FURNISH & INSTALL	Furnish and install 18 inch rock riprap including all necessary incidentals for the sum of dollars and cents per square yard.
879.3000	SY	ROCK RIPRAP 30" FURNISH & INSTALL	Furnish and install 30 inch rock riprap according to the plans, specifications, and details for the sum of cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION	
879.3600	SY	ROCK RIPRAP 36" FURNISH & INSTALL	Furnish and install 36 inch rock riprap including all necessary incidentals for t dollars and cents per square yard.	
880.0000	SY	RIPRAP 3000 PSI FURNISH & INSTALL	Furnish and install 3000 PSI reinforced concrete riprap of the thickness show according to the plans, specifications and details for the sum of dollars and cents per square yard.	'n
881.0000	SY		Furnish and install grouted stone riprap according to the plans, specifications details for the sum of dollars and cents per square yard.	and
881.1200	SY	RIPRAP GROUTED STONE 12" THICK FURNISH & INSTALL	Furnish and install 12 inch thick grouted stone riprap according to the plans, specifications and details for the sum of cents per square yard.	dollars
881.1800		RIPRAP GROUTED STONE 18" THICK FURNISH & INSTALL	Furnish and install 18 inch thick grouted stone riprap according to the plans, specifications and details for the sum of cents per square yard.	dollars
881.3000	SY	RIPRAP GROUTED STONE 30" THICK FURNISH & INSTALL	Furnish and install 30 inch thick grouted stone riprap according to the plans, specifications and details for the sum of cents per square yard.	dollars
881.3600	SY	RIPRAP GROUTED STONE 36" THICK FURNISH & INSTALL	Furnish and install 36 inch thick grouted stone riprap according to the plans, specifications and details for the sum of cents per square yard.	dollars

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
882.2400	SY	24" THICK FLOWABLE FILL	Furnish and install 24-inch thick flowable fill according to the plans, specifications and details for the sum of dollars and cents per square yard.
882.3600	SY	36" THICK FLOWABLE FILL	Furnish and install 36-inch thick flowable fill according to the plans, specifications and details for the sum of dollars and cents per square yard.
883.1000	EA	ANCHOR ACTIVE	Construct Gabion Active Anchors and all incidentals according to the plans, specifications and details for the sum of cents each.
884.0000	CY	GABION CHANNEL BANK RETAINING WALL	For tied-back gabion channel bank retaining wall including all filter material and incidentals necessary according to the plan for the sum of dollars and cents per cubic yard.
884.1000	LF	GABION ROCK ANCHOR	For gabion rock anchor ties back assemblies including all incidentals necessary according to the plan for the sum of dollars and cents per linear foot.
884.9991	CY		Construct 2000 psi non-reinforced concrete bearing pad under proposed gabion wall from the top of grey limestone to the bottom of the gabion wall, to the limits shown, including all incidentals necessary according to the plan for the sum of dollars and cents per cubic yard.
884.9999	CY	GABION CLASS C CONSTRUCT	Construct Class C concrete foundation for gravity gabion channel bank retainning wall including all incidentals necessary according to the plan for the sum of dollars and cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
885.0000	CY	GABION BLANKET CONSTRUCT	For Gabion blankets, wire, fiber fabric, rock of the thickness according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per cubic yard.
885.0001	SY	GABION BLANKET CONSTRUCT	For Gabion blankets, wire, fiber fabric, rock of the thickness according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per square yard.
885.1200	CY	GABION BLANKET 12" CONSTRUCT	For 12" Gabion blanket, wire, fiber fabric, rock of the thickness according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per cubic yard.
885.1201	CY	GABION BLANKET 12" PVC COATED CONSTRUCT	For 12" PVC Coated Gabion blanket type channel protection all according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per cubic yard.
885.1203	CY	GABION BLANKET 12" CONSTRUCT	For 12" Gabion blanket with 3 inch minimum grout, wire, fiber fabric, rock of the thickness according to the plans, specifications and details complete and in place for the sum of dollars and cents per cubic yard.
885.1800	CY	GABION BLANKET 18" CONSTRUCT	For 18" Gabion blanket, wire, fiber fabric, rock of the thickness according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per cubic yard.
885.3031	CY		For 3' x 3' PVC Coated Gabion blanket type channel protection all according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per cubic yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
885.3151	CY		For 3' x 1.5' PVC Coated Gabion blanket type channel protection all according to the plans, specifications and details complete and in place for the sum of dollars and
			cents per cubic yard.
885.3600	LF	GABION TOE WALL 36" CONSTRUCT	Construct 36" thick gabion toe wall including all necessary incidentals for the sum of dollars and cents per linear foot.
885.5000	CY	GABION BLANKET 3' x 1.5', 3'x2', 3'x3', and 6'x1' PVC COATED CONSTRUCT	For 3'x1.5', 3'x2', 3'x3', and 6'x1' PVC Coated Gabion blanket type channel protection all according to the plans, specifications and details complete and in place for the sum of dollars and cents per cubic yard.
886.0000	sy	CURLEX BLANKET 4' WIDE FURNISH & INSTALL	Furnish and install 4' wide Curlex Blanket as manufactured by American Ex. Co., or approved equal, and all incidentals according to the plans for the sum of dollars and cents per square yard.
886.1000	SY	EROSION CONTROL BLANKET FOR CHANNEL SLOPES	For high velocity erosion control blanket, including fertilizer and sprinkling, complete and in place, for the sum of dollars and cents per square yard.
886.2000	EA	EROSION CONTROL MAT TEMPORARY	Furnish and install temporary erosion control mat according to the plans and specifications complete and in place, for the sum of dollars and cents per square yard.
887.0000	SF	WALLSTONE SLOPE PROTECTION FURNISH & INSTALL	Furnish and install Wallstone erosion protection all according to the plans for the sum of dollars and cents per square face foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
887.1000	CY	REINFORCED SLOPE PROTECTION FURNISH & INSTALL	Furnish and install reinforced slope erosion protection (MSE) all according to the plans for the sum of dollars and cents per cubic yard.
887.2000	SY	CONCRETE SLOPE PROTECTION FURNISH & INSTALL	Furnish and install concrete slope protection including all necessary incidentals for the sum of dollars and cents per square yard.
888.0000	CY		For furnishing all materials, labor and equipment to construct earthen berm, including all incidentals necessary according to the plans for the sum of dollars and cents per cubic yard.
889.0400	SY		Furnish and install 4 inch in thickness and 8 inch wide mow strip including all necessary incidentals for the sum of dollars and cents per square yard.
889.0500	SY		For construction of concrete mow strip, 5" in thickness including reinforcement, all according to the plans for the sum of dollars and cents per square yard.
889.1200	SY		For construction of 12" concrete mow strip, 6" in thickness including reinforcement, all according to the plans for the sum of dollars and cents per square yard.
889.1800	SY		For construction of 18" concrete mow strip, 6" in thickness including reinforcement, all according to the plans for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
890.0000	CY	CURB INLET 5'-20' TYPE I OR II JUNCTION BOX TYPE I OR TYPE II "Y" INLET I OR TYPE M CONST.	Construct 5'-20' standard or recessed curb inlet Type I or II junction box; Type I or II 'Y' inlet; Type M Manhole; grate; or combination inlet for the sum of dollars and cents per cubic yard.
892.3600	LF	BORE 36" RCP, CLASS V FURNISH & INSTALL	Furnish, Install and Bore 36 inch Class V RCP storm sewer pipe all according to the plans for the sum of dollars and cents per linear foot.
893.0000	CY	CONCRETE VELOCITY DISSIPATER	Construct complete and in place Concrete Velocity Dissipater all all according to the plans for the sum of dollars and cents per cubic yard.
893.1000	LS	CONCRETE ENERGY DISSIPATER	Construct complete and in place Concrete Energy Dissipater all all according to the plans for the lump sum of cents.
894.2100	LF	BORE 21" RCP, CLASS III FURNISH & INSTALL	Furnish, Install and Bore 21 inch Class III RCP storm sewer pipe all according to the plans for the sum of dollars and cents per linear foot.
894.2400	LF	BORE 24" RCP, CLASS III FURNISH & INSTALL	Furnish, Install and Bore 24 inch Class III RCP storm sewer pipe all according to the plans for the sum of dollars and cents per linear foot.
894.3600	LF	BORE 36" RCP, CLASS III FURNISH & INSTALL	Furnish, Install and Bore 36 inch Class III RCP storm sewer pipe all according to the plans for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
894.4200		BORE 42" RCP, CLASS III FURNISH & INSTALL	Furnish, Install and Bore 42 inch Class III RCP storm sewer pipe all according to the plans for the sum of dollars and cents per linear foot.
895.0000		STORM WATER PREVENTION	Storm Water Prevention Plan (SWPPP) for the lump sum of dollars and cents.
896.0000	LF		Furnish and install complete trench safety for storm sewer installation including all incidentals necessary according to the specifications, details, and State and Federal regulations for the sum of dollars and cents per linear foot.
897.0000	LF	INSTALL	Furnish and install a French drain the size and length shown including all excavation, specified gravel, filter cloth and incidentals according to the plans for the sum of dollars and cents per linear foot.
898.0000			Furnish and install an area drain the size and length shown including all excavation, specified gravel, filter cloth and incidentals according to the plans for the sum of dollars and cents per linear foot.
898.1000		NYLOPLAST W/ CAST IRON	Furnish and install 15 inch ADS Nylopast area drain basin with cast iron dome grate icluding all necessary incidentals for the sum of dollars and cents each.
900.0000	SF		Furnish and install specific sacrificial trench shoring , including all incidentals necessary accoding to the plans, specifications and details for the sum of dollars and cents per square foot

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
900.0001		TRENCH SHORING, SACRIFICIAL	Furnish and install specific sacrificial trench shoring, including all incidentals necessary accoding to the plans, specifications and details for the sum of dollars and cents per linear foot
905.0000	LS		Environmental testing, including all incidentals necessary accoding to the plans, specifications and details for the lump sum of dollars and cents.
910.0000	LS		Furnish and install force main odor control facility including all incidentals necessary according to the plans and specifications for the lump sump of dollars and cents.
912.1001		FORCE MAIN 10" DUCTILE IRON RAISING	For raising 10-inch ductile iron pipe force main over proposed structures or utilities and all incidentals necessary for the sum of dollars and cents per linear foot.
920.0000	LF		For furnishing all materials, labor and equipment to raise the existing DGNO TRACT, including all incidentals complete for the sum of dollars and cents per linear foot.
921.0000			For furnishing all materials, labor and equipment to provide and install a CONCRETE PANEL FOR RAIL CROSSING, complete for the sum of dollars and cents per square foot.
921.1000		REMOVE AND SALVAGE	Remove and salvage Tek-way panels including all necessary incidentals for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
921.2000	EA	TRELLIS TYPE A FURNISH & INSTALL	Furnish and install Trellis Type A including all necessary incidentals for the sum of dollars and cents each.
921.3000	EA	TRELLIS TYPE B FURNISH & INSTALL	Furnish and install Trellis Type B including all necessary incidentals for the sum of dollars and cents each.
922.0000	CY	COMPACT BALLAST FILL	For furnishing all materials, labor and equipment to provide and compact BALLAST FILL, including all incidentals for the sum of cents per cubic yard.
960.0600	LF	GAS, 6", BORE, FURNISH & INSTALL	Furnish and install by boring 6" GAS main line and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
961.0600	LF	& INSTALL	Furnish and install by trenching 6" GAS main line and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
990.0000	EA	VIDEO PROJECT	For video taping a project, upon notification by the City, prior to beginning work on that project, including all labor and materials to complete for the sum of dollars and cents each.
990.1000	LS	VIDEO PROJECT	For video taping a project, prior to beginning work, including all labor and materials to complete for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
991.6000	EA	6' LIGHT POLE, FIXTURE AND FOUNDATION FURNISH & INSTALL	Furnish and install 6' light pole, fixture and foundation, including all labor and materials to complete for the sum of cents each.
992.1100	EA	ILLUMINATION ASSEMBLY ROADWAY TYPE PER TXDOT INSTALL	Install roadway illumination assembly roadway type per TxDOT furnished by Garland Power & Light Co. including all necessay incidentals for the sum of dollars and cents each.
992.1200	EA	ILLUMINATION ASSEMBLY BRIDGE TYPE PER TXDOT INSTALL	Install roadway illumination assembly bridge type per TxDOT furnished by Garland Power & Light Co. including all necessay incidentals for the sum of dollars and cents each.
992.1300	EA	ILLUMINATION ASSEMBLY PILASTER TYPE PER TxDOT FURNISH	Furnish illumination assembly pilaster type per TxDOT including all necessay incidentals for the sum of dollars and cents each.
992.1400	EA	ILLUMINATION ASSEMBLY PILASTER TYPE PER TxDOT INSTALL	Install illumination assembly pilaster type per TxDOT including all necessay incidentals for the sum of dollars and cents each
992.1500	EA	ILLUMINATION ASSEMBLY TOWER TYPE PER TxDOT FURNISH	Furnish illumination assembly tower type per TxDOT for Firewheel logo including all necessay incidentals for the sum of dollars and cents each.
992.1600	EA	ILLUMINATION ASSEMBLY TOWER TYPE PER TxDOT INSTALL	Install illumination assembly tower type per TxDOT for Firewheel logo including all necessay incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
992.1700	EA	LUMINAIRE 'LA2' TYPE PER TxDOT FURNISH	Furnish type 'LA2' luminaire per TxDOT including all necessay incidentals for the sum of dollars and cents each.
992.1800	EA		Furnish type 'LA3' luminaire per TxDOT including all necessay incidentals for the sum of dollars and cents each.
992.1900	EA	LUMINAIRE 'LC' TYPE PER TxDOT FURNISH	Furnish type 'LC' luminaire per TxDOT including all necessay incidentals for the sum of dollars and cents each.
992.2000	EA		Furnish type 'LA6' luminaire per TxDOT including all necessay incidentals for the sum of dollars and cents each.
993.0000	EA	UNDERGROUND PEDESTALS PER TXDOT FURNISHED BY GP&L CO. INSTALL	Install underground pedestal per TxDOT furnished by Garland Power & Light Co. including all necessary incidentals for the sum of dollars and cents each.
994.1000	EA	BENCH FURNISH & INSTALL	Furnish and Install bench including all necessary incidentals for the sum of dollars and cents each.
994.2000	EA	TRASH RECEPTACLE FURNISH & INSTALL	Furnish and Install trash receptacle including all necessary incidentals for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
994.3000	EA	PET WASTE STATION WITH CONCRETE FOOTING	Furnish and Install pet waste station with concrete footing including all necessary incidentals for the sum of cents each.
994.3001	EA	PET WASTE STATION REMOVE & SALVAGE	Remove and salvage pet waste station including all necessary incidentals for the sum of dollars and cents per each.
994.4000	EA	TABLE TYPE A FURNISH & INSTALL	Furnish and Install table Type A including all necessary incidentals for the sum of dollars and cents each.
994.5000	EA	TABLE TYPE B FURNISH & INSTALL	Furnish and Install table Type B including all necessary incidentals for the sum of dollars and cents each.
994.6000	EA	ASH URN FURNISH & INSTALL	Furnish and Install ash urn including all necessary incidentals for the sum of dollars and cents each.
995.0031	EA	MANHOLE RING & COVER W/ CONCRETE RINGS IN 2"	Adjust telephone manhole rings and covers with concrete rings in 2" increments up to 18" to conform to proposed grades including necessary incidentals for the sum of dollars and cents each.
1000.0000	LS		For complete landscaping and irrigation for roadway medians as shown in the project plans including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of dollars and cents

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1000.1000	LS	IRRIGATION FOR PARKWAY	For complete landscaping and irrigation for parkway as shown in the project plans including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of cents
1001.0000	SY		For complete irrigation for planting as shown in the project plans including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of dollars and cents
1001.0001	MOS	PLANTING - MAINTAIN	For complete irrigation and maintenance for planting as shown in the project plans including all incidentals necessary to complete, in place, all according to the plans, details, and specifications per month of dollars and cents
1002.0001	SY	1,000 SY INSTALL & REMOVE	For the installation and removal of a complete temporary irrigation system necessary to fully establish permanent vegetation, including all required water and incidentals, in which the total area is between 0-1,000 square yards for the sum of dollars and cents per square yard.
1002.0002	SY	5,000 SY INSTALL & REMOVE	For the installation and removal of a complete temporary irrigation system necessary to fully establish permanent vegetation, including all required water and incidentals, in which the total area is between 1,001-5,000 square yards for the sum of dollars and cents per square yard.
1002.0003	SY	10,000 SY INSTALL & REMOVE	For the installation and removal of a complete temporary irrigation system necessary to fully establish permanent vegetation, including all required water and incidentals, in which the total area is between 5,001-10,000 square yards for the sum of dollars and cents per square yard.
1002.0004	SY	10,001-20,000 SY INSTALL & REMOVE	For the installation and removal of a complete temporary irrigation system necessary to fully establish permanent vegetation, including all required water and incidentals, in which the total area is between 10,001-20,000 square yards for the sum of dollars and cents per square yard.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1002.0005	SY	IRRIGATION SYSTEM >20,000 SY INSTALL & REMOVE	For the installation and removal of a complete temporary irrigation system necessary to fully establish permanent vegetation, including all required water and incidentals, in which the total area is >20,000 square yards for the sum of dollars and cents per square yard.
1003.0000	LS	IRRIGATION SYSTEM - FURNISH & INSTALL	Furnish and install irrigation system including all necessary incidentals for the lump sum of dollars and cents.
1003.0010	LS	DRIP IRRIGATION TO TREE	Furnish and Install Drip Irrigation to Trees, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of dollars and cents.
1003.0020	LS	LANDSCAPE BED AREAS	Furnish and Install Drip Irrigation in all landscape bed areas, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the lump sum of dollars and cents.
1003.0030	EA	IRRIGATION CONTROLLERS, RAIN SENSOR, FREEZE SENSOR, CONCRETE PAD & SWEEP CONDUITS FURNISH & INSTALL	Furnish and install Irrigation Controller, rain sensor, freeze sensor, concrete pad, and sweep conduits, including all incidentals necessary to complete, in place,
1003.0031		VALVE, Y STRAINER, DOUBLE CHECK	Furnish and Install Isolation Valve, Y Strainer, Double Check Assembly and Hydrometer with Type K Copper Service from water meter through Hydrometer for irrigation system, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars
1003.0600	LF	IRRIGATION 6" PVC	Furnish and Install 6" PVC irrigation, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1003.0610	LF		Furnish and Install 6" PVC irrigation sleeve, including all incidentals necessary to complete, in place, all according to the plans, details, and specifications for the sum of dollars and cents per linear foot.
1099.0000	LS	CONTINGENCY FOR UNFORESEEN LANDSCAPE ITEMS	For unforeseen landscape items or additional quantities of work to construct the project, to be used at the direction of the owner, for the lump sum of dollars and cents.
1100.0000	EA	PULLBOX REMOVE & RELOCATE	Remove and relocate of existing pullbox including all incidentals necessary according to the plans for the sum of dollars and cents each.
1101.0000	EA	CABINET, BASE MT. (INSTALL)	Install traffic signal cabinet according to the plans, specifications, and details, complete and in place for the sum of cents each.
1101.1000	EA		Construct Type I reinforced concrete base for combination street light pole and all other incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
1101.2000	EA	COMBINATION BASE TYPE II CONSTRUCT	Construct Type II reinforced concrete base for combination street light pole and all incidentals necessary according to the plans for the sum of dollars and cents each.
1101.4000	EA		Construct Type IV reinforced concrete base for combination traffic signal or street light pole and all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1110.0000 E	ĒΑ	CABINET FOUNDATION, FURNISH & INSTALL	Construct concrete traffic signal cabinet foundation and all incidentals necessary according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1111.0000 E	ĒΑ	PULLBOX, (INSTALL)	Install Type 2 street light pullbox furnished by Garland Power & Light Co., complete and in place, all according to the plans, details, and specifications, for the sum of dollars and cents each.
1112.0000 E	ĒΑ	'D' FURNISH & INSTALL	Furnish and install Type 'D' traffic pullbox for traffic signal conduit and all incidentals necessary according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1112.2000 E	ĒΑ	TRAFFIC PULLBOX TYPE 2 FURNISH & INSTALL	Furnish and install Type 2 or Type 2 Extended street light conduit pullbox and all incidentals necessary according to the plans, specifications, and details, complete and in place for the sum of cents each.
1114.0000 E	ĒA	PULLBOX, BREAK-IN TYPE (INSTALL)	Install pullbox, break- in type, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1115.0000 E	ĒA	PULLBOX, BREAK-IN TYPE (FURNISH AND INSTALL)	Furnish and install pullbox, break- in type, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1116.0000 E	ĒΑ	PULLBOX TYPE 'D', REPLACE (INSTALL)	Replace existing and install Type 'D' pullbox, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1117.0000	EA	'D' REMOVE, FURNISH &	Remove existing and furnish and install Type 'D' traffic pullbox, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1118.0000		2'X3'X2' FURNISH &	Furnish and Install Oversize Pullbox. Measuring 2'X3'X2' and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents EACH.
1119.0000	EA		Furnish and Install Communication Vault, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents EACH.
1152.0000	LF	FURNISH & INSTALL	Furnish and install by trenching 1" PVC traffic signal and street light conduit, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1153.0000	LF	TRENCH, FURNISH &	Furnish and install by trenching 1-1/4" PVC traffic signal and street light conduit, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1156.0000	LF	FURNISH & INSTALL	Furnish and install 1-1/2" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1160.0000		TRENCHING FURNISH &	Furnish and install by trenching 2" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1160.0001		CONDUIT 2" PVC PER TxDOT BY TRENCHING FURNISH & INSTALL	Furnish and install by trenching 2" PVC traffic signal and street light conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1161.5000		CONDUIT 2-1/2" PVC FURNISH & INSTALL	Furnish and install 2-1/2" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1162.0000		CONDUIT, 2", BORE, FURNISH & INSTALL	Furnish and install by boring 2" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1164.0000		& INSTALL	Furnish and install 3" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1164.0001		CONDUIT 3" PVC FURNISH & INSTALL	Furnish and install 3" PVC traffic signal and street light conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1165.0000		CONDUIT 4" PVC BY TRENCHING FURNISH & INSTALL	Furnish and install by trenching 4" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1166.0000		CONDUIT, 3", BORE, FURNISH & INSTALL	Furnish and install by boring 3" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1167.0000	LF	FURNISH & INSTALL	Furnish and install by boring 4" PVC traffic signal and street light conduit including all incidentals necessary according to the plans for the sum of dollars and cents per linear foot.
1167.1000	LF		Furnish and install 4" pvc electric conduit (white) including all incidentals necessary to complete in place all according to the plans for the sum of dollars and cents per linear foot.
1168.0000	LF	" BORE	Jack or bore inch rigid metal conduit for traffic signal or street light conduit, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1168.1000	LF	1" RIGID METAL CONDUIT FURNISH & INSTALL	Furnish and install 1" rigid metal conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1168.1500	LF	1 1/2" RIGID METAL CONDUIT FURNISH & INSTALL	Furnish and install 1 1/2" rigid metal conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1168.2000	LF		Furnish and install 2" rigid metal conduit for boring, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1168.2001	LF		Furnish and install 2" rigid metal conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1168.3000 LI			Furnish and install 3" rigid metal conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1168.7500 LI		3/4" RIGID METAL CONDUIT FURNISH & INSTALL	Furnish and install 3/4" rigid metal conduit per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1170.0000 LI		& INSTALL	Furnish and install 4" PVC traffic signal and street light conduit and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1180.0000 LI		NYLON PULL CORD FURNISH & INSTALL	Furnish and install nylon pull cord in all existing and proposed electrical conduit as shown on the plans and specifications for the sum of dollars and cents per linear foot.
1190.0000 LI		ELECTRIC CONDUIT WITH 10" STEEL CASING PIPE 4" BORE	Bore 4" pvc(Schedule 40) electric conduit including new 1/4 thickness smooth steel 10" encasement pipe with stainless steel spacers and all incidental according to the plans for the sum of dollars and cents per linear foot.
1190.1000 LI		ELECTRIC CONDUIT WITH 12" STEEL CASING PIPE 4" BORE	Bore 4" pvc(Schedule 40) electric conduit including smooth steel 12" encasement pipe with stainless steel spacers and all incidental according to the plans for the sum of dollars and cents per linear foot.
1220.0000 E	A	FRAME IN LINE POLE (FI)	Frame in line pole and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1221.0000	ĒΑ	FRAME DEAD END POLE (FI)	Frame dead end pole and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1222.0000	EA	FRAME DOUBLE DEAD END POLE (FI)	Frame double dead end pole and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents each.
1223.0000	LF	CABLE 3/8" STEEL MESSENGER (F&I)	Furnish and install 3/8" messenger cable and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per LINEAR FOOT.
1224.0000	EA	FRAME POLE FOR TEMPORARY SIGNAL (WOOD)	Frame wood pole for a temporary Traffic Signal, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum dollars and cents EACH.
1225.0000	EA	FRAME POLE FOR TEMPORARY SIGNAL (METAL)	Frame metal pole for a temporary Traffic Signal, and all incidentals necessary, according to the plans, specifications, and details, complete and in place for the sum dollars and cents EACH.
1250.0000	LF	CABLE,COMM.,12 PR,IN CONDUIT FURNISH & INSTALL	Furnish and install 12 pair communication cable in conduit, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1254.0000	LF	CABLE,COMM.,12 PR, LASH, FURNISH & INSTALL	Furnish and install 12 pair communication cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1255.0000	LF	CABLE, FIBER, 24 STRAND	Furnish and Install a 24 strand, single mode, direct burial fiber communication cable, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per linear foot.
1260.0000	LF		Furnish and install 12 pair communication cable, figure 8, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot
1261.0000	EA	DETECTION, COMBINATION FURNISH & INSTALL	Install combination coaxial head-end/16 AWG 3 conductor cable, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1262.0000	LF		Furnish & install #16-3 conductor cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1263.0000	LF		Install 2 to 12 pair communication cable, according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot
1264.0000	LF	EQUIVALENT FOR VIDEO	Furnish and install coaxial cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1265.0000	LF	CABLE, #14-16 CONDUCTOR, FURNISH & INSTALL	Furnish and install #14-16 conductor cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1267.0000	LF	CABLE, #14-8 CONDUCTOR, FURNISH & INSTALL	Furnish and install #14-8 conductor cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1268.0100	LF	CABLE, #1 CONDUCTOR, FURNISH & INSTALL	Furnish and install #1 conductor cable including all necessary incidentals for the sum of dollars and cents per linear foot.
1268.0400	LF	CABLE, #4 CONDUCTOR, FURNISH & INSTALL	Furnish and install #4 conductor cable including all necessary incidentals for the sum of dollars and cents per linear foot.
1268.0600	LF	CABLE, #6 CONDUCTOR, FURNISH & INSTALL	Furnish and install #6 conductor cable including all necessary incidentals for the sum of dollars and cents per linear foot.
1268.0800	LF	CABLE #8CONDUCTOR, FURNISH & INSTALL	Furnish and install #8 conductor cable including all necessary incidentals for the sum of dollars and cents per linear foot.
1268.1000	LF	CABLE #10 CONDUCTOR, FURNISH & INSTALL	Furnish and install #10 conductor cable including all necessary incidentals for the sum of dollars and cents per linear foot.
1269.1000	LF	CABLE, #1/0 CONDUCTOR, FURNISH & INSTALL	Furnish and install #1/0 conductor cable including all necessary incidentals for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1270.0000 LF		CABLE, #14-5 CONDUCTOR, FURNISH & INSTALL	Furnish and install #14-5 conductor cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1271.0000 LF			Furnish and install #14-20 conductor cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1272.0800 LF			Furnish and install #8 insulated power cable per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1272.1200 LF			Furnish and install #12 insulated power cable per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1273.0000 LF			Furnish and install #6 power cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1274.0000 LF			Furnish and install #6 aerial duplex power cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1275.0000 LF		PAIR. FURNISH & INSTALL	Furnish and install 1 pair detector cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1276.0000	LF		Furnish and install #4 power cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per LINEAR FOOT.
1277.0000	LF	DETECTOR CABLE 2 PAIR, FURNISH & INSTALL	Furnish and install 2 pair detector cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1278.0800	LF	CABLE, #8 INSULATED GROUND CABLE PER TxDOT, FURNISH & INSTALL	Furnish and install #8 insulated ground cable per TxDOT including all necessary incidentals for the sum of cents per linear foot.
1278.1000	LF	CABLE, #10 INSULATED GROUND CABLE PER TxDOT, FURNISH & INSTALL	Furnish and install #10 insulated ground cable per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1278.1200	LF	CABLE, #12 INSULATED GROUND CABLE PER TxDOT, FURNISH & INSTALL	Furnish and install #12 insulated ground cable per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1279.0000	LF		Furnish and install 4 pair detector cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1283.0000	LF		Furnish and install 2 pair detector cable, lashed, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1285.0000	LF		Furnish and install 4 pair detector cable, lashed, according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1291.0000	LF		Furnish and install Opticom cable according to the plans, specifications, and details, complete and in place for the sum of dollars and cents per linear foot.
1295.0000	LF	CABLE, DETECTOR, 5 PAIR, FURNISH & INSTALL	Furnish and install 5 pair detector cable according to the plans, specifications, and details, complete and in place for the sum of cents per linear foot.
1297.0100	LF	CABLE BARE #1 FURNISH & INSTALL	Furnish and install # 1 bare cable including all labor and incidentals necessary complete and in place for the sum of dollars and cents per linear foot.
1297.1000	LF	CABLE BARE #10 FURNISH & INSTALL	Furnish and install # 10 bare cable including all labor and incidentals necessary complete and in place for the sum of dollars and cents per linear foot.
1298.1000	LF		Furnish and install #4/0 bare cable including all labor and incidentals necessary complete and in place for the sum of dollars and cents per linear foot.
1299.0000	LF		Furnish and install # 6 bare cable including all labor and incidentals necessary complete and in place for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1299.0001	LF		Furnish and install # 6 bare cable per TxDOT including all necessary incidentals for the sum of dollars and cents per linear foot.
1299.1000	LF	CABLE, INSULATED, # 6 FURNISH & INSTALL	Furnish and install # 6 insulated cable including all labor and incidentals necessary complete and in place for the sum of dollars and cents per linear foot.
1301.0000	EA		Furnish and install 6' x 6' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1302.0000	EA		Furnish and install 6' x 15' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1303.0000	EA		Furnish and install 6' x 18' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1304.0000	EA	LOOP DETECTOR 6' X 20' (QUAD) FURNISH & INSTALL	Furnish and install 6' x 20' quad left turn loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1305.0000	EA		Furnish and install 6' x 20' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.

ITEM_NO U	INIT DESCRIP	DESCRIPTION
1306.0000 EA	LOOP DETECTOR, 6'X 25' QUADRUPOLE FURNISH & INSTALL	Furnish and install 6' x 25' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1309.0000 EA	LOOP DETECTOR, 6' X 28' FURNISH & INSTALL	Furnish and install 6' x 28' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1310.0000 EA	LOOP DETECTOR, 6' X 30' QUAD FURNISH & INSTALL	Furnish and install 6' x 30' quad loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1311.0000 EA	LOOP DETECTOR, 6' X 30' FURNISH & INSTALL	Furnish and install 6' x 30' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1314.0000 EA	LOOP DETECTOR, 6' X 40' QUAD FURNISH & INSTALL	Furnish and install 6' x 40' quad loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1315.0000 EA	LOOP DETECTOR, 6' X 40' FURNISH & INSTALL	Furnish and install 6' x 40' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1317.0000 EA	LOOP DETECTOR, 6' X 50', FURNISH & INSTALL	Furnish and install 6' x 50' loop detector including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1323.0000 E			Construct 4000 PSI reinforced concrete traffic signal controller base, foundation and all incidentals necessary according to the plans for the sum of dollars and cents each.
1323.3000 E		BASE 3000 PSI	Construct 3000 PSI reinforced concrete traffic signal controller base, foundation and all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.
1324.0000 E	ĒA	"II", FURNISH & INSTALL	Construct Type II reinforced concrete for combination traffic signal or street light pole and all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each
1325.0000 E			Construct Type A reinforced concrete base for traffic signal pole and all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each
1326.0000 E			Construct Type B reinforced concrete base for traffic signal pole and all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each
1327.0000 E		FOUNDATION	Construct Type III reinforced concrete for combination traffic signal or street light pole and all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each
1327.1000 E		FOUNDATION	Construct Type 24-A TxDOT, reinforced concrete for combination traffic signal or street light pole and all incidentals necessary, according to the plans, specifications and details for the sum of cents each

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1328.0000 E	A	PED POLE, 10' & STD. BASE (INSTALL)	Install standard base and ped pole including all incidentals necessary, according to the plans, specifications and details for the sum of cents each.
1328.1500 E	A	PED POLE, 15' & STD. BASE (INSTALL)	Install standard base and 15' ped pole including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1329.0000 E	A	POLE PEDESTAL & STANDARD BASE	Furnish and install pedestal pole and standard base for traffic signal, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1330.0000 E	A	TYPE 30-A TXDOT SIGNAL FOUNDATION CONSTRUCT, FURNISH & INSTALL	Construct Type 30-A TxDOT, reinforced concrete foundation for traffic signal pole, per TxDOT Standard Detail TS-FD-99 and all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1331.0000 E	A	TYPE 36-A, TxDOT SIGNAL FOUNDATION, CONSTRUCT, FURNISH & INSTALL	Construct Type 36-A TxDOT, reinforced concrete foundation for traffic signal pole, per TxDOT standard detail, TS-FD-99 and all incidentals necessary according to the plans, specifications and details for the sum of cents each.
1332.0000 E	A	POLE, STEEL & 24' ARM (INSTALL)	Install pole and 24' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1332.1000 LF	=	POLE, STEEL & 24' ARM FURNISH & INSTALL	Furnish and Install 19' pole and 24' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per LINEAR FOOT.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1333.0000 E	A	POLE 19', STEEL & 24' thru 48' ARM (INSTALL)	Furnish and Install pole and 24' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1335.0000 LF	F	TYPE 48-A, TxDOT SIGNAL FOUNDATION, CONSTRUCT, FURNISH & INSTALL	Construct Type 48-A TxDOT, reinforced concrete foundation for traffic signal pole, per TxDOT standard detail, TS-FD-99 and all incidentals necessary according to the plans, specifications and details for the sum of cents per LINEAR FOOT.
1336.0000 E	A	POLE, STEEL & 28' ARM (INSTALL)	Install pole and 28' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1336.1000 E	A	POLE, 19', STEEL & 28' ARM FURNISH & INSTALL	Furnish and Install 19' pole and 28' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1339.0000 E	A	POLE, STEEL & 32' ARM (INSTALL)	Install pole and 32' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1339.1000 E	A	POLE, 19', STEEL & 32' ARM FURNISH & INSTALL	Furnish and Install 19' pole and 32' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1342.0000 E	A	POLE, STEEL & 36' ARM (INSTALL)	Install pole and 36' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1342.1000 E	EΑ		Furnish and Install 19' pole and 36' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1345.0000 E	EΑ	(INSTALL)	Install pole and 40' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1345.1000 E	EΑ		Furnish and Install 19' pole and 40' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1348.0000 E	Α	POLE, STEEL & 44' ARM (INSTALL)	Install pole and 44' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1348.1000 E	Ā		Furnish and Install 19' pole and 44' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1351.0000 E	Α	POLE, STEEL & 48' ARM (INSTALL)	Install pole and 48' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1351.1000 E	A		Furnish and Install 19' pole and 48' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.

ITEM_NO UN	IIT DESCRIP	DESCRIPTION
1352.0000 EA	POLE, STEEL & 52' ARM (INSTALL)	Install pole and 52' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1353.0000 EA	POLE, STEEL & 55' ARM (INSTALL)	Install pole and 55' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1353.1000 EA	POLE, 19', STEEL & 55' ARM FURNISH & INSTALL	Furnish and Install 19' pole and 55' arm, including all incidentals necessary, according to the plans, specifications and details for the sum dollars and cents EACH.
1354.0000 EA	POLE, STEEL & 60' ARM (INSTALL)	Install pole and 60' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1354.1000 EA	POLE, 19',STEEL & 60' ARM FURNISH & INSTALL	Furnish and Install 19' pole and 60' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1355.0000 EA	POLE, STEEL & 65' ARM (INSTALL)	Install pole and 65' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1355.1000 EA	POLE, 19',STEEL & 65' ARM FURNISH & INSTALL	Furnish and Install 19' pole and 65' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1360.0000	EA	POLE, STEEL, W/ 2 ARMS (INSTALL)	Install pole with 2 arms, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1361.0000	EA	POLE, ARM, SIGNAL HEADS MULTIPLE	Remove and relocate traffic signal pole, arm, and signal heads complete and in place of varying lengths, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1362.0000	EA		Install traffic signal arm on 30' pole , including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1362.1000	EA		Furnish and Install 19' pole and 24' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1363.1000	EA	POLE, 30',STEEL & 28' ARM FURNISH & INSTALL	Furnish and Install 30'pole and 28' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1364.1000	EA		Furnish and Install 30' pole and 32' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1365.1000	EA		Furnish and Install 30'pole and 36' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1366.1000	EA	POLE, 30',STEEL & 40' ARM FURNISH & INSTALL	Furnish and Install 30' pole and 40' arm, including all incidentals necessary, according to the plans, specifications and details for the sum dollars and cents EACH.
1367.1000	EA	POLE, 30',STEEL & 44' ARM FURNISH & INSTALL	Furnish and Install 30' pole and 44' arm, including all incidentals necessary, according to the plans, specifications and details for the sum dollars and cents EACH.
1368.1000	EA	POLE, 30',STEEL & 48' ARM FURNISH & INSTALL	Furnish and Install 30'pole and 48' arm, including all incidentals necessary, according to the plans, specifications and details for the sum dollars and cents EACH.
1369.1000	EA	POLE, 30',STEEL & 55' ARM FURNISH & INSTALL	Furnish and Install 30' pole and 55' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1370.1000	EA	POLE, 30',STEEL & 60' ARM FURNISH & INSTALL	Furnish and Install 30'pole and 60' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1371.1000	EA	POLE, 30',STEEL & 65' ARM FURNISH & INSTALL	Furnish and Install 30' pole and 65' arm, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1390.0000	EA	POLE 35'(WOOD) INSTALL	Install 35' wood pole including all incidentals necessary according to the plans, specifications, and details for the sum dollars and cents EACH.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1390.1000	ĒΑ	& INSTALL	Furnish and Install 35' wood pole including all incidentals necessary according to the plans, specifications, and details for the sum of cents EACH.
1398.0000	EA		Install street light extension assembly, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1399.0000	EA	STREET LIGHT POLE/LUMINAIR ASSY. INSTALL	Install standard street light pole, arm and luminair assembly including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1401.0000	EA	SIGNAL HEAD, 3 SECTION (INSTALL)	Install 3 section signal head including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1401.1000	EA	SIGNAL HEAD, 3 SECTION, LED'S WITH INCANDESCENT LOOK FURNISH & INSTALL	Furnish and Install 3 section signal head, with incandescent look LED's including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1402.0000	EA	(INSTALL)	Install 4 section signal head including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1402.1000	EA		Furnish and Install 4 section signal head, with incandescent look LED's including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1404.0000	EΑ	SIGNAL HEAD, 5 SECTION (INSTALL)	Install 5 section signal head including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1404.1000	EA	SIGNAL HEAD, 5 SECTION, LED'S WITH INCANDESCENT LOOK FURNISH & INSTALL	Furnish and Install 5 section signal head, with incandescent look LED's including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1407.0000	EA	PEDESTRIAN PUSH BUTTON (INSTALL)	Install pedestrian push button, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1408.0000	EA	PEDESTRIAN POLE LIGHT SA2 FURNISH & INSTALL	Furnish and Install SA2 pedestrian pole light including all necessary incidentals fot the sum of dollars and cents each.
1410.0000	EA	PEDESTRIAN SIGNAL HEAD (INSTALL)	Install pedestrian signal head including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1410.1000	EA	PEDESTRIAN SIGNAL HEAD, LED WITH INCANDESCENT LOOK AND COUNTDOWN TIMER FURNISH & INSTALL	Furnish and Install pedestrian signal head, with incandescent look LED's and countdown timer including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents EACH.
1451.0000	EA	OPTICOM DISCRIMINATORS (INSTALL)	Install Opticom discriminator, including all incidentals necessary, according to the plans, specifications and details for the sum of cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1454.0000	EA	OPTI-COM DETECTORS (INSTALL)	Install Opticom detectors, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1456.0000	EA		Furnish Opticom, 3M brand detectors, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1461.0000	EA	MICROWAVE/RADAR DETECTORS (INSTALL)	Install microwave vehicle detectors, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each
1462.0000	EA		Furnish microwave vehicle detectors, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1463.0000	EA		Install video camera on traffic signal poles or mast arms, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1501.0000	EA		Remove and salvage vehicle & pedestrian signal heads, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1502.0000	EA	PULL BOX - REMOVE	Remove pull box and all incidentals according to the plans, specifications and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1503.0000	EA	REMOVE TYPE III POLE (HR/LUMENAIR)	Remove Type III pole, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1504.0000	EA	REMOVE 25/16' CANT. TYPE ASSY.	Remove cantilever type assembly, including all incidentals necessary, according to the plans, specifications and details for the sum of cents each.
1505.0000	EA	REMOVE STREET LIGHT EXTENSION ASSY	Remove street light extension assembly, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1508.0000	EA	REMOVE CABINET/POLE FOUNDATION	Remove cabinet/pole foundations, including all incidentals necessary, according to the plans, specifications and details for the sum of cents each.
1509.0000	EA	REMOVE/SALVAGE EXISTING CABINET	Remove and salvage existing cabinet, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1510.0000	EA	REMOVE STANDARD BASE/POLE ASSEMBLY	Remove standard base/pole, including all incidentals necessary, according to the plans, specifications and details for the sum of cents per each.
1511.0000	EA	REMOVE WOOD POLE	Remove wood pole including all incidentals necessary according to the plans, specifications, and details for the sum of cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1511.0100 E	EΑ		Remove and reset concrete pole including all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1512.0000 E	ΕA		Remove street light pole assembly including all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1513.0000 L	.S		Remove span wire assembly with cable and signs including all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents per lump sum.
1514.0000 E	EA	INSTALL OLD STREET LIGHT ON NEW FOUNDATION	Installation of existing street light pole on new foundation all according to the plans, specifications, and details, for the sum of and cents each.
1515.0000 E	ĒA	INSTALL OLD SIGNAL POLE ON NEW FOUNDATION	Installation of old signal pole on new foundation and all other incidentals necessary to complete in place according to the plans, specifications, and details, for the sum of and cents each.
1516.0000 L	.S	TEMPORARY TRAFFIC SIGNAL	Furnish and install Temporary Traffic Signals as required, all according to the plans, specifications and details for the lump sum of dollars and cents per lump sum
1570.0000 E	ĒA	PAVEMENT MARKINGS	Remove existing traffic buttons including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1575.0000	LF	PAINT & THERMOPLASTIC MARKINGS, REMOVE	Remove paint and thermoplastic markings including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per linear foot.
1577.0000	LS	REMOVAL OF EXISTING REFLECTIVE PAVEMENT MARKERS, LUMP SUM	Remove existing reflective pavement markers including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per lump sum.
1601.0000	LF	THERMOPLASTIC, 8" (CROSSWALK) (FI)	Furnish and install 8" thermoplastic crosswalk including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents per linear foot.
1601.0400	LF	4" SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS	Install 4" wide white thermoplastic markings on pavement including thermoplastic and all other incidentals necessary to complete in place all acording to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1601.0600	LF	6" SOLID WHITE THERMOPLASTIC PAVEMENT MARKINGS	Install 6" wide white thermoplastic markings on pavement including thermoplastic and all other incidentals necessary to complete in place all acording to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1602.0000	LF	TRAFFIC STOP BAR 24" INSTALL	Install 24" wide white thermoplastic stop bar on pavement including thermoplastic and all other incidentals necessary according to the plans, specifications and details for the sum of dollars and cents per linear foot.
1606.0000	LF	PAVEMENT MARKINGS WHITE SOLID 4" FURNISH & INSTALL	Install 4" wide white solid construction pavement marking according to the BC standards, fot the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1606.0400	LF		Furnish and install 4" white pavement markings including all other incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents linear foot.
			Cents inlear 100t.
1606.0600	LF	WHITE 6" FURNISH & INSTALL	Furnish and install 6" white pavement markings including all other incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents linear foot.
1606.1200	LF		Furnish and install 12" solid white pavement markings and all other incidentals necessary according to the plans, specifications, and details for the sum of dollars and
			cents per linear foot.
1606.2400	LF	PAVEMENT MARKINGS SOLID WHITE 24" FURNISH & INSTALL	Furnish and install 24" solid white pavement markings and all other incidentals necessary according to the plans for the sum of cents per linear foot.
		& INSTALL	dollars and cents per linear root.
1610.0000	LF	PAVEMENT MARKING YELLOW SOLID 4" FURNISH & INSTALL	Furnish and install 4" yellow solid pavement markings and all other incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents per linear foot.
1611.0000	LF	THERMOPLASTIC PAVEMENT MARKINGS	Install 4" wide yellow thermoplastic markings on pavement including thermoplastic and all other incidentals necessary to complete in place all acording to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1612.0000	LF	PAVEMENT MARKINGS DOUBLE YELLOW SOLID 4" CONSTRUCT	Install 4" wide yellow double solid construction pavement marking according to the BC standards, for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1613.0000	LF	PAVEMENT MARKING YELLOW BROKEN 4" FURNISH & INSTALL	Furnish and install 4" yellow broken pavement markings and all other incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents per linear foot.
1615.0600	LF	PAVEMENT MARKINGS FIRE LANE FURNISH & INSTALL	Install pavement markings fire lane according to the BC standards, for the sum of dollars and cents per linear foot.
1626.0000	EA	TRAFFIC ARROWS (FI)	Furnish and install pre- formed lane marking arrows and symbols including all labor and incidentals necessary according to the plans for the sum of dollars and cents each.
1626.1000	EA	PAVEMENT MARKING LETTER	Furnish and install pre-formed pavement marking letters including all labor and incidentals necessary according to the plans for the sum of dollars and cents each.
1626.2000	EA	PAVEMENT MARKING SYMBOL	Furnish and install pre-formed pavement marking symbol including all labor and incidentals necessary according to the plans for the sum of dollars and cents each.
1635.0000	EA	WHITE PAINT WHEELCHAIR SYMBOL	Install white paint wheelchair symbol on pavement including paint and all other incidentals necessary to complete in place all acording to the plans, specifications and details, for the sum of dollars and cents each.
1635.5000	EA	HANDICAP SIGN	Furnish and install sign, post, concrete, mounts and all other incidentals necessary to install in place all according to the plans, specifications and details, for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1637.0000	EA		Furnish and install concrete wheelstop, and all other incidentals necessary to mount into cocrete pavement and install in place according to the plans, specifications, and details, for the sum of cents each.
1640.0000		BUTTON MONO-	Furnish and install 4" square mono-directional reflective white acrylic traffic buttons including all labor and all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1641.0000		REFLECTIVE, YELLOW (FI)	Furnish and install 4" square mono-directional reflective yellow acrylic traffic buttons including all labor and all incidentals necessary according to the plans for the sum of dollars and cents each.
1646.0000		BUTTON BI-DIRECTIONAL REFLECTIVE, YELLOW (FI)	Furnish and install 4" square bi- directional reflective yellow acrylic traffic buttons including all labor and all incidentals necessary according to the plans for the sum of dollars and cents each.
1647.0000		DIRECTIONAL REFLECIVE,	Furnish and install 4" square bi- directional reflective blue acrylic traffic buttons including all labor and all incidentals necessary according to the plans for the sum of dollars and cents each.
1650.0000			Furnish and install 4" round non-reflective white glazed ceramic traffic buttons (P-7W) and all incidentals necessary according to the plans for the sum of dollars and cents each.
1651.0000		TRAFFIC BUTTONS NRY JIGGLE BAR TILE 6" SQUARE FURNISH & INSTALL	Furnish and install 6" square non-reflective yellow glazed ceramic jiggle bar tile traffic butttons (P-6-1Y) and all other incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1652.0000	EA	TRAFFIC BUTTONS NRW JIGGLE BAR TILE 6" SQUARE FURNISH & INSTALL	Furnish and install 6" square non-reflective white glazed ceramic jiggle bar tile traffic buttons (P-6-1W) and all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1653.0000	EA	TRAFFIC BUTTONS MDW 4" ROUND FURNISH & INSTALL	Furnish and install 4" round mono-directional white reflective glazed ceramic traffic buttons and all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1654.0000	EA	TRAFFIC BUTTONS MDW JIGGLE BAR TILE 6" SQUARE FURNISH & INSTALL	Furnish and install 6" square mono-directional white reflective glazed ceramic jiggle bar tile (P-6W) traffic buttons and all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1655.0000	EA	TRAFFIC BUTTONS MDY JIGGLE BAR TILE 6" SQUARE FURNISH & INSTALL	Furnish and install 6" square mono-directional yellow reflective glazed ceramic jiggle bar tile (P-6Y) traffic buttons and all incidentals necessary according to the plans, specifications, and details for the sum of dollars and cents each.
1656.0000	EA	TRAFFIC BUTTONS NRY 4" ROUND FURNISH & INSTALL	Furnish and install 4" non-reflecting yellow glazed ceramic traffic buttons and all incidentals according to the plans for the sum of cents each.
1657.0000	EA	TRAFFIC BUTTONS 4" ROUND BDY FURNISH & INSTALL	Furnish and install 4" bi-directional yellow reflective glazed ceramic traffic buttons and all incidentals according to the plans for the sum of dollars and cents each.
1658.0000	EA	8" ROUND CEREMIC TRAFFIC BUTTON NON- REFLECTIVE, WHITE (FI)	Furnish and install 8" round non- reflective white glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1660.0000	EA	6" ROUND CEREMIC TRAFFIC BUTTON NON- REFLECTIVE, WHITE (FI)	Furnish and install 6" round non- reflective white glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1661.0000	EA	6" ROUND CEREMIC TRAFFIC BUTTON MONO- REFLECTIVE, WHITE (FI)	Furnish and install 6" round mono- reflective white glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1670.0000	EA	4" ROUND CEREMIC TRAFFIC BUTTON NON- REFLECTIVE, YELLOW FURNISH & INSTALL	Furnish and install 4" round non-reflectiveyellow glazed ceramic traffic buttons including all labor and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1672.0000	EA	4" ROUND/ OVAL BI- DIRECTIONAL REFLECTIVE, YELLOW FURNISH & INSTALL	Furnish and install 4" round/ oval bi-directional reflective yellow glazed ceramic traffic buttons including all labor and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1676.0000	EA	8" ROUND CEREMIC TRAFFIC BUTTON NON- REFLECTIVE, YELLOW (FI)	Furnish and install 8" round non- reflective yellow glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1677.0000	EA	8" ROUND CEREMIC TRAFFIC BUTTON MONO- REFLECTIVE, YELLOW (FI)	Furnish and install 8" round mono- reflective yellow glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1678.0000	EA	8" ROUND CEREMIC TRAFFIC BUTTON BI- DIRECTIONAL REFLECTIVE, YELLOW (FI)	Furnish and install 8" round bi- directional reflective yellow glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1679.0000	EΑ	8" ROUND CEREMIC TRAFFIC BUTTON MONO- REFLECTIVE, WHITE (FI)	Furnish and install 8" round mono- reflective white glazed ceramic traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1682.0000	EA	6" SQUARE CEREMIC JIGGLE BAR TRAFFIC BUTTON BI-DIRECTIONAL REFLECTIVE, YELLOW (FI)	Furnish and install 6" square bi- directional yellow reflective glazed ceramic jiggle bar tile traffic buttons and all incidentals according to the plans, specifications, and details for the sum of dollars and cents each.
1700.0000	EA	TYPE I OR II 4000PSI CONST.	Construct one (1) Type I or Type II 4000 psi traffic signal base at designated location, including all drilling, materials, and labor necessary to complete in place for the sum of dollars and cents each.
1702.0000	EA	SIGN, MAST ARM MOUNT, INSTALL	Install signs on traffic signal mast arms, including all incidentals necessary, according to the plans, specifications and details for the sum of dollars and cents each.
1750.0000	EA		Install 400W HPS street lamp furnished by Garland Power & Light Co. including all incidentals necessary to complete in place, all according to the plans, specifications, and details, for the sum of dollars and cents each.
1751.0000	EA	250- WATT HPS LAMP	Install 250W HPS street lamp furnished by Garland Power & Light Co. including all incidentals necessary to complete in place, all according to the plans, specifications, and details, for the sum of dollars and cents each.
1800.0000	EA	STREET LIGHT OR TRAFFIC SIGNAL BASE CONST.	Construct one (1) of the following street light or traffic signal base: Type 1, 2, 3, 4 concrete base to be constructed of 3600 psi reinforced concrete at designated locations for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1801.0000	EΑ	STREET LIGHT RISER	Construct street light riser including all incidentals necessary to complete in place, all according to the plans, specifications, and details, for the sum of dollars and cents each.
1850.0000	LF	WIRE #6 CU, BARE	Pull in #6 Cu wire (bare) furnished by Garland Power & Light Co., complete and in place, all according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1851.0000	LF	WIRE #6 CU INSULATED	Pull in #6 Cu wire (insulated) furnished by Garland Power & Light Co., complete and in place, all according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1900.0000	LS	SIGN & BARRICADE	Implement traffic control, signing, and barricading and all other incidentals necessary according to the plans for the lump sum of cents.
1900.0001	LS	SIGN & BARRICADE	Implement traffic control, signing, and barricading for Saturn Road, and all other incidentals necessary according to the plans for the lump sum of dollars and cents.
1900.0002	LS	SIGN & BARRICADE	Implement traffic control, signing, and barricading, excluding Saturn Road, and all other incidentals necessary according to the plans for the lump sum of dollars and cents.
1900.1000	MOS	SIGN & BARRICADE, MONTHLY	Implement traffic control, signing, and barricading and all other incidentals necessary according to the plans for the sum of dollars and cents per month.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1901.4600	EA		Install 4' x 6' electric vault as furnished by Garland Power & Light, including all incidentals necessary according to the plans for the sum of dollars and cents each.
1905.0000	EA	STREET PARKING LOT LIGHT REMOVE & RELOCATE	Remove and relocate street parking lot light at designated location, including all drilling, materials, and labor necessary to complete in place for the sum of dollars and cents each.
1906.0020	EA	SCHOOL FLASHER & 2" UNDERGROUND CONDUIT REMOVE & RELOCATE	Remove and relocate existing school flasher and 2" underground conduit for control power, including all incidentals necessary according to the plans for the sum of dollars and cents each.
1907.0000	EA	POST & FOUNDATION OF STREET AND TRAFFIC SIGN INSTALL	Install post and foundation of street and traffic sign, including all incidentals necessary according to the plans for the sum of dollars and cents each.
1907.0020	EA	POST & FOUNDATION OF STREET AND TRAFFIC SIGN REMOVE AND RELOCATE	Remove and relocate existing post and foundation of street and traffic sign , including all incidentals necessary according to the plans for the sum of dollars and cents each.
1908.0000	EA	POST & FOUNDATION OF STREET AND TRAFFIC SIGN REMOVE AND DISPOSE	Remove and dispose existing post and foundation of street and traffic sign , including all incidentals necessary according to the plans for the sum of dollars and cents each.
1909.0000	EA	STREET & TRAFFIC SIGN PANELS REMOVE, SALVAGE & DELIVER TO COG TRAFFIC SHOP	Remove, salvage, deliver existing street and traffic sign panel to the City Of Garland Traffic Shop, including all incidentals necessary according to the plans for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1909.1000	MOS		Implement traffic control, signing, and barricading and all other incidentals necessary according to the plans for the sum of dollars and cents per month.
1910.0000	LS		For the repairing or replacingof any damaged underground electric lines, complete and in place according to the plans for the lump sum of dollars and cents.
1910.0100	LS		For removing and relocation of underground electric conduit and electric lines, including all incidentals, complete and in place for the sum of dollars and cents per linear foot.
1915.0210	LF	CONDUIT 2" SCHEDULE 40 PVC, DIRECTIONAL DRILL, FURNISH & INSTALL	Furnish and install 2-inch, schedule 40 PVC conduit, by directional drill including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1915.0400	LF	CONDUIT 4" SCHEDULE 40 PVC, OPEN CUT, FURNISH & INSTALL	Furnish and install 4-inch, schedule 40 PVC conduit, open cut in unclassified trench depth according to the plans including all incidentals necessary for the sum of dollars and cents per linear foot.
1915.0410	LF	CONDUIT 4" SCHEDULE 40 PVC, DIRECTIONAL DRILL, FURNISH & INSTALL	Furnish and install 4-inch, schedule 40 PVC conduit, by directional drill including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
1920.0000	LF	FIBER OPTIC CONDUIT	Furnish and install conduit for fiber optic line, open cut in unclassified trench depth according to the plans, including all incidentals necessary according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
1920.0001 L	LF	FIBER OPTIC CONDUIT BY DIRECTIONAL DRILL	Furnish and install conduit for fiber optic line by directional drill including all incidentals according to the plans, specifications, and details, for the lump sum of dollars and cents per linear foot.
1921.0000 E	EA	FIBER OPTIC JUNCTION BOX	Furnish and install fiber optic junction box including all incidentals necessary according to the plans for the sum of dollars and cents each.
1922.0000 E	EA	PULL BOX 13"x24", FURNISH & INSTALL	Furnish and install 13"x24" pullbox including all incidentals necessary according to the plans for the sum of dollars and cents each.
1922.0001 E	EA	PULL BOX 36"x60", FURNISH & INSTALL	Furnish and install 36"x60" pullbox including all incidentals necessary according to the plans for the sum of cents each.
2000.0000 L	LS	CONTINGENCY CONSTRUCT	For unforeseen items or additional quantities of work to construct the project, to be used at the direction of the owner, for the lump sum of dollars and cents.
2000.0001 L	LS	CONTINGENCY FOR UNFORESEEN ITEMS	Contingency for unforeseen items or additional quantities of work to construct Duck Creek Interceptor Sewer System - Eastern Hills Sewer, to be used at the direction of the owner, for the lump sum of cents.
2100.0000 [LS	MOBILIZATION & MOVE IN	For mobilization and move-in 5% max complete in place for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
2100.1000	LS	SUPPLEMENTAL MOBILIZATION	For supplemental mobilization and move-in complete in place for the lump sum of dollars and cents.
2101.0000	LS	MOBILIZATION DUE TO THE NON-OPERATIONAL STATUS	For possible delays and remobilization due to the non-operational status of the Duck Creek Interceptor Sewer project complete in place for the lump sum of dollars and cents.
2200.0000	MT	FACILITIES FOR FIELD OFFICE	Field office, for the sum of dollars and cents per month.
2300.0000	LS	REPAIR/ REPLACE DAMAGE U.G.E.	For the repairing or replacing of any damaged underground electric lines, complete and in place, for the lump sum of dollars and cents.
2500.0000	LS	TEMPORARY SUPPORT OF POWER POLES	For temporary support of power poles as shown on the plans for the lump sum of dollars and cents
2660.2000	LF	2-6" PVC ELECTRICAL DUCT LINE FURNISH & INSTALL	Furnish and Install 2-6" PVC concrete encased electrical duct bank, including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
2664.2100	LF	2-6" and 1-4" PVC ELECTRICAL DUCT LINE FURNISH & INSTALL	Furnish and Install 2-6" and 1-4" PVC concrete encased electrical duct bank, including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
2664.5100	LF	ELECTRICAL DUCT LINE FURNISH & INSTALL	Furnish and Install 5-6" and 1-4" PVC concrete encased electrical duct bank, including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
2664.6200	LF	ELECTRICAL DUCT LINE FURNISH & INSTALL	Furnish and Install 6-6" and 2-4" PVC concrete encased electrical duct bank, including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
2665.2200	LF		Furnish and install 2-4" and 2-6" galvanized rigid conduits in a concrete encased electrical duct bank including all incidentals according to the plans, specifications, and details, for the sum of dollars and cents per linear foot.
2700.0000	EA		Saw cut, remove and disposal of all concrete paving, bollards and appurtenances according to the plans and specifications including all incidentals for the lump sum of dollars and cents.
2710.0101	EA		Furnish and install 1 gallon Calylophus (Calylophus spp.) complete and in place according to the plans and specifications for the sum ofdollars andcents each.
2710.0102	EA		Furnish and install 1 gallon Iris, L.A. (Iris brevicaulis 'Black Gamecock') complete and in place according to the plans and specifications for the sum of dollars andcents each.
2710.0103	EA	TWISTED LEAF YUCCA FURNISH & INSTALL	Furnish and install 1 gallon Twisted leaf Yucca (Yucca rupicola) complete and in place according to the plans and specifications for the sum of dollars andcents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
2710.0104 EA			Furnish and install 1 gallon Salvia greggii 'white' (Salvia greggii) complete and in place according to the plans and specifications for the sum of dollars and cents each.
2710.0205 EA			Furnish and install 2 gallon Double Knockout / Red (Rosa 'double knockout') complete and in place according to the plans and specifications for the sum of dollars and cents each.
2710.0306 EA			Furnish and install 3 gallon Rosemary (Rosimarinus officinalis) complete and in place according to the plans and specifications for the sum of dollars and cents each.
2710.0507 EA		FURNISH & INSTALL	Furnish and install 5 gallon Dwarf Yaupon Holly (Ilex vomitoria 'Nana') complete and in place according to the plans and specifications for the sum of dollars and cents each.
2710.0508 EA			Furnish and install 5 gallon Yucca / Softleaf Yucca (Yucca recurvifolia) complete and in place according to the plans and specifications for the sum of dollars and cents each.
2720.0801 EA			Furnish and install 8'-10' tall Desert Willow (Chiopsis lineraris) complete and in place according to the plans and specifications for the sum of dollars and cents each.
2720.0802 EA		POSSUMHAW HOLLY FURNISH & INSTALL	Furnish and install 8'-10' tall Possumhaw Holly (Ilex decidua) complete and in place according to the plans and specifications for the sum of dollars and cents each.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
2750.0001	SY	RIVER ROCK FURNISH & INSTALL	Furnish and install River Rock (New Mexico) complete and in place according to the plans and specifications for the sum of dollars and cents per square yard.
2760.0001	SY	CONCRETE CURB CLASS "C" 6" CONSTRUCT	Construct 6" thick, reinforced Class "C" concrete curb complete and in place according to the plans and specifications for the sum of dollars and cents per square yard.
2770.0001	LS	IRRIGATION SYSTEM FURNISH & INSTALL	Furnish and install irrigation system complete and in place according to the plans and specifications for the lump sum of cents.
2780.0000	EA		Furnish and install 6" schedule 40 steel bollards complete and in place according to the plans and specifications for the sum of dollars and cents each.
2780.0001	EA	BOLLARD STEEL 6" SCHEDULE 40 CUT, REMOVE, DISPOSE & RECAP W/ CONCRETE	Cut, remove, dispose, and recap with concrete, existing 6" schedule 40 steel bollards complete and in place according to the plans and specifications for the sum of dollars and cents each.
2790.0000	LS	APPURTENANCES PAINT	Paint all above ground appurtenances of the existing air scrubbers according to the plans and specification for the lump sum of cents.
3003.0800	LF	PVC ONCOR CONSTRUCT BY DIRECTIONAL BORE	Construct two 4-inch, schedule 40 PVC Verizon conduits by directional bore including equipment, materials, bends, fittings, excavation, embedment, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents per LINEAR FOOT.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
3003.1200	LF	CONDUIT 2-6" SHEDULE 40 PVC ONCOR CONSTRUCT BY DIRECTIONAL BORE	Construct two 6-inch, schedule 40 PVC Oncor conduits by directional bore including equipment, materials, bends, fittings, excavation, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents per LINEAR FOOT.
3104.0800	LF	40 PVC ONCOR	Construct two 4-inch, schedule 40 PVC Verizon duct bank by open cut in unclassified trench depth including equipment, materials, bends, fittings, excavation, embedment, electronic conduit marker, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and
3104.1200	LF	40 PVC ONCOR	Construct two 6-inch, schedule 40 PVC Oncor duct bank by open cut in unclassified trench depth including equipment, materials, bends, fittings, excavation, embedment, electronic conduit marker, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and
3200.0408	EA	PULL BOX 4' x 8' FURNISH & INSTALL	Furnish and install 4'x 8' primary pull box including equipment, materials, fittings, excavation, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of cents EACH.
3300.0400	EA		Furnish and install 4-inch schedule 80 PVC pole riser (1 per pole) including equipment, materials, bends, fittings, standoffs, excavation, backfilling, and incidentals necessary according to the plans for the sum of dollars and cents EACH.
3300.0600	EA		Furnish and install 6-inch schedule 80 PVC pole riser (1 per pole) including equipment, materials, bends, fittings, standoffs, excavation, backfilling, and incidentals necessary according to the plans for the sum of dollars and cents EACH.
3402.0000	LS		Construct precast concrete pad for switchgear including equipment, materials, pipe, bends, fittings, grounding rods, excavation, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the lump sum of dollars and cents.

ITEM_NO	UNIT	DESCRIP	DESCRIPTION
3500.0000		INTALL	Furnish and install 3'x 5' splice box including equipment, materials, fittings, excavation, backfilling, and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents EACH.
4001.0000	EA	TELEPHONE PULL BOX REMOVE & RELOCATE	Remove & relocate existing telphone pull box and all incidentals necessary to complete according to the plans, specifications, and details for the sum of dollars and cents EACH.
6742.2400			Construct 24" TXDOT Type CH-PW-O reinforced concrete headwall including all necessary incidentals for the sum of dollars and cents each.
6742.4800			Construct 48" TXDOT Type CH-PW-O reinforced concrete headwall including all necessary incidentals for the sum of dollars and cents each.
6742.6000		HEADWALL 60" TXDOT CH- PW-O CONSTRUCT	Construct 60" TXDOT Type CH-PW-O reinforced concrete headwall including all necessary incidentals for the sum of dollars and cents each.
6910.0000			Furnish and install drilled shaft for roadway illumination assembly per TxDOT including all necessay incidentals for the sum of dollars and cents each.