

# GENERAL NOTES

CALCULATED  
CHECKED  
WOB

**DRAINAGE (CONTINUED)**

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES FROM THE CITY OF EASTLAKE, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

**RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS**

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.45, 707.46, 707.47, 707.51, 707.52 PS46 MIN.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

- 603, 150mm CONDUIT, TYPE B, AS PER PLAN FOR DRAINAGE CONNECTION 50 METERS
- 603, 150mm CONDUIT, TYPE C, FOR DRAINAGE CONNECTION 50 METERS
- 603, 150mm CONDUIT, TYPE E, FOR DRAINAGE CONNECTION 50 METERS
- 603, 150mm CONDUIT, TYPE F, FOR DRAINAGE CONNECTION 50 METERS
- 604, INSPECTION WELL 20 EACH

**UNRECORDED SANITARY CONNECTIONS**

ANY UNRECORDED ACTIVE CONNECTION TO A SANITARY SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SANITARY SEWER TO THE SATISFACTION OF THE ENGINEER.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.42, 707.43, 707.44, 707.45, 707.46, 707.51, 707.52 PS46 MIN., 706.08 WITH JOINTS AS PER 706.11 OR 706.12.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

- 603, 150mm CONDUIT, TYPE B, AS PER PLAN FOR SANITARY 50 METERS
- 603, 150mm CONDUIT, TYPE C, FOR SANITARY 50 METERS

**MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED**

ALL CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT-OF-WAY FOR SALVAGE BY THE CITY OF EASTLAKE FORCES.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

**ITEM SPECIAL MISCELLANEOUS METAL**

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIALS SHALL MEET ITEM 604 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

- SPECIAL, MISCELLANEOUS METAL 1500 KILOGRAMS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

**STRUCTURES ADJUSTED TO GRADE OR RECONSTRUCTED TO GRADE**

ALL ADJUSTMENT OR RECONSTRUCTION WORK, EXCEPT FOR THOSE STRUCTURES OWNED BY PRIVATE COMPANIES, SHALL BE PERFORMED BY THE CONTRACTOR. WHERE APPLICABLE, THE TIME BETWEEN RESETTling THE CASTINGS AND RESURFACING SHALL BE KEPT TO A MINIMUM.

CASTINGS SHALL BE ADJUSTED TO GRADE IN ACCORDANCE WITH 604.03 (a) OR 638.19, AS APPLICABLE. NO ADJUSTING RINGS OR CASTINGS ARE PERMITTED.

ADJUST TO GRADE OR RECONSTRUCT TO GRADE WORK SHALL, WHERE REQUIRED, INCLUDE THE REMOVAL AND REPLACEMENT, IN KIND, OF ANY EXISTING CONCRETE BLOCKOUT PAVEMENT. DAMAGED PAVEMENT DOWELS OR OTHER SUCH LOAD TRANSFER DEVICES SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.

ALL EXISTING CASTINGS FOR STRUCTURES ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD CHECKED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE INDICATED ON THE PLAN. REPLACEMENT CASTINGS ARE PAID UNDER ITEM SPECIAL - MISCELLANEOUS METAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

- ITEM 604 - CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN 2 EACH
- ITEM 604 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN 2 EACH

WHERE CERTAIN STRUCTURES ARE DETERMINED BY THE ENGINEER TO REQUIRE RECONSTRUCTION OR TOTAL REPLACEMENT IN LIEU OF THE ABOVE ADJUSTMENTS, THEY SHALL BE RECONSTRUCTED TO THE EXTENT AND/OR LIMITS ESTABLISHED BY THE ENGINEER OR THEY SHALL BE COMPLETELY REMOVED AND REPLACED IN KIND WITH A NEW STRUCTURE OR THE TYPE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH ITEM 604. THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR THIS CONTINGENCY:

- ITEM 604 - MANHOLE NO.3, AS PER PLAN 2 EACH (STORM)
- ITEM 604 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN 2 EACH (STORM)
- ITEM 604 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN 2 EACH
- ITEM 604 - MANHOLE, NO.3, AS PER PLAN WITH JOINTS AS PER 706.11 2 EACH (SANITARY)
- ITEM 604 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN 2 EACH (SANITARY)
- ITEM 604 - CATCH BASIN NO.3, AS PER PLAN 2 EACH
- ITEM 604 - CATCH BASIN NO.3A, AS PER PLAN 2 EACH

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

THE COST OF REPLACING EXISTING CONDUIT CONNECTIONS, IF REQUIRED, SHALL BE PAID FOR BY SIZE AND TYPE SPECIFIED AND/OR DESIGNATED BY THE ENGINEER.

AN ESTIMATED QUANTITY OF THE FOLLOWING IS PROVIDED IN THE GENERAL SUMMARY FOR THIS WORK:

- ITEM 603 - 300mm CONDUIT, TYPE B, AS PER PLAN 15 METERS
- ITEM 603 - 300mm CONDUIT, TYPE C 15 METERS

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

**ADDITIONAL DRAINAGE FACILITIES**

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY AND ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR PERMANENTLY COLLECTING AND DIVERTING STORM DRAINAGE FROM ADJACENT LOW LYING AREAS TO THE STORM DRAINAGE SYSTEM.

ITEM	DESCRIPTION	QUANTITY
603	300mm CONDUIT, TYPE B, AS PER PLAN	50 METERS
603	300mm CONDUIT, TYPE C,	50 METERS
604	CATCH BASIN, NO. 2--2B, AS PER PLAN	4 EACH
604	INLET, SIDE DITCH	2 EACH

NONE OF THE ABOVE QUANTITIES SHALL BE ORDERED BY THE CONTRACTOR UNLESS DIRECTED BY THE ENGINEER. IN THE EVENT NO ADDITIONAL DRAINAGE FACILITIES ARE REQUIRED, THE ITEMS SHALL BE NON-PERFORMED.

~~ITEM 603 CONDUIT, TYPE B, AS PER PLAN; ITEM 604 CATCH BASIN OR MANHOLE, AS PER PLAN; ITEM 202 PIPE, CATCH BASIN OR MANHOLE REMOVED, AS PER PLAN~~

BACKFILL BEDDING SHALL MEET THE GRADATION REQUIREMENTS OF 304.02. ITEM 604 BEDDING SHALL BE A MINIMUM OF 150 MILLIMETERS IN DEPTH. MATERIAL FURNISHED FOR THESE ITEMS SHALL EXCLUDE SLAG.

~~ITEM 603 CONDUIT, TYPE B, AS PER PLAN; ITEM 604 CATCH BASIN OR MANHOLE, AS PER PLAN~~

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN EXISTING DRAINAGE CONNECTIONS TO THE NEW DRAINAGE SYSTEM DURING CONSTRUCTION. ALL COSTS ASSOCIATED WITH TEMPORARY TIE-INS OF THE EXISTING SYSTEM SHALL BE INCLUDED IN THE COST OF RESPECTIVE ITEMS IN THE NEW DRAINAGE SYSTEM.

**MAINTENANCE OF TRAFFIC LIMITATIONS**

NO PERMANENT LANE CLOSURES SHALL BE IMPLEMENTED BEFORE MARCH 18.

ALL LANES SHALL BE OPEN TO NORMAL TRAFFIC BY SEPTEMBER 30. SEPTEMBER 30 SHALL BE CONSIDERED AN INTERIM COMPLETION DATE AND LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH 108.07 FOR EACH CALENDER DAY THAT ALL LANES ARE NOT OPEN AND AVAILABLE TO TRAFFIC.

SHORT TERM LANE CLOSURES SHALL BE ALLOWED BEFORE MARCH 18 AND AFTER SEPTEMBER 30 WITH APPROVAL OF THE PROJECT ENGINEER. ALL LANE CLOSURES SHALL BE PER THE APPROPRIATE STANDARD CONSTRUCTION DRAWING AND THE OMUTCD.

GENERAL NOTES

LAK - 640 - 2865 (178)