

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS OF THE CITY OF ADDISON AND GOVERNED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT'S (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 3RD EDITION.
- IN CASE OF CONFLICT OR CONTRADICTIONS BETWEEN THE CONSTRUCTION STANDARDS OF THE CITY OF ADDISON AND THE NCTCOG SPECIFICATIONS, THE FOLLOWING HIERARCHY SHALL PRESIDE: CITY OF ADDISON CONSTRUCTION STANDARD DETAILS, CITY OF ROWLETT STANDARD GENERAL NOTES, NCTCOG SPECIFICATIONS.
- TEXAS DEPARTMENT OF TRANSPORTATION APPROVAL MUST BE OBTAINED PRIOR TO ANY CONSTRUCTION IN STATE HIGHWAY RIGHT-OF-WAY AND A TxDOT UTILITY PERMIT SHALL BE OBTAINED BY CONTRACTOR.
- A RIGHT-OF-WAY PERMIT (ISSUED BY ADDISON PUBLIC WORKS DEPARTMENT) IS REQUIRED PRIOR TO ANY CONSTRUCTION IN CITY ROW AND EASEMENTS.
- THE LOCATION OF UNDERGROUND FACILITIES INDICATED ON THE PLANS IS TAKEN FROM PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES.
- WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
- ALL EXCAVATIONS, TRENCHING AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U. S. DEPARTMENT OF LABOR, OSHA, "CONST. SAFETY AND HEALTH REGULATIONS.", VOL. 29, SUBPART P. PG. 128 - 137, AND ANY AMENDMENTS THERETO.
- ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, IRRIGATION, SODDING OR SEEDING, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS.
- NO CHANGES IN THE APPROVED CONSTRUCTION PLANS SHALL OCCUR UNLESS APPROVED BY THE CITY ENGINEER. SUBSEQUENTLY, A CHANGE ORDER MUST BE OBTAINED FROM THE DESIGN ENGINEER. THE DIRECTOR OF PUBLIC WORKS MAY APPROVE ANY DERIVATIONS FROM THE STATE REGULATIONS.
- ALL TRENCH COMPACTION DENSITY TESTING SHALL BE COORDINATED BY THE CONTRACTOR WITH THE TESTING LAB AND IN ACCORDANCE WITH THE CITY OF ROWLETT STANDARDS. THE RESULTS OF THE TRENCH COMPACTION DENSITY TESTS SHALL BE SHOWN ON THE AS-BUILT PROFILE SHEETS AT THE LOCATION OF THE TEST. THE CITY WILL NOT ACCEPT THE INSTALLATION OF THE UTILITY UNTIL THE AS-BUILTS WITH THE TESTING RESULTS HAVE BEEN SUBMITTED TO THE ENGINEER.
- THE ON-SITE UTILITIES SHALL BE INSTALLED, HAVE PASSED THE REQUIRED TESTS, AND IN SERVICE BEFORE ANY PAVING OPERATIONS MAY BEGIN.
- ALL FRANCHISE UTILITIES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS BY THE CITY OF ADDISON.

WATER GENERAL NOTES

ALL WATER METERS SHALL BE SIZED AND INSTALLED BY CITY PERSONNEL.

FIRE HYDRANTS SHALL BE LOCATED OUTSIDE OF EXISTING OR PROPOSED SIDEWALKS. NO OBSTRUCTIONS SHALL BE WITHIN 3 FEET IN ALL DIRECTIONS AROUND A FIRE HYDRANT.

ALL PVC PIPE WATER LINES SHALL CONFORM TO AWWA STANDARD C-900 WITH A DR RATIO OF 18. CLASS 150, BLUE IN COLOR, WITH NSF SEAL, PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS.

WATER MAINS SHALL HAVE A MINIMUM OF 42" COVER TO TOP OF PIPE.

SERVICE LINE SADDLES FOR PVC PIPE SHALL BE DOUBLE STRAP BRONZE/BRASS AND CORP STOP AND ANGLE STOP (CURB STOP), SHALL BE COMPRESSION-TYPE WITH STAINLESS STEEL TUBE LINERS.

ALL WATER LINES SHALL BE ENCASED IN SAND IN ACCORDANCE WITH STANDARD CONSTRUCTION DETAILS. BACKFILL SHALL BE NATIVE MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY.

SERVICE LOCATION TO BE SAW-CUT ON CURB WITH ONE "1" SAW-MARK 2" HIGH PAINTED BLUE. WATER SERVICES SHALL BE LOCATED WITHIN 2 FEET OF THE PROPERTY LINE.

ALL SERVICES TO METER SHALL BE 1" SDR-9 CLASS 200 POLYETHYLENE CTS OUTSIDE DIAMETER UNLESS OTHERWISE NOTED.

ALL FITTINGS SHALL BE MADE FROM DUCTILE IRON AND FURNISHED WITH MECHANICAL JOINT ENDS AND HAVE A PRESSURE RATING OF 250 PSI. MEGA-LUG RESTRAINING GLANDS MADE IN THE USA SHALL ALSO BE USED ON ALL FITTINGS. DOMESTIC ONLY - NO FOREIGN MANUFACTURED ALLOWED.

ALL DUCTILE IRON FITTINGS SHALL BE WRAPPED WITH AN 8 MIL MINIMUM THICKNESS POLYETHYLENE MATERIAL PER AWWA STANDARD C-150.

ALL WATER MAINS SHALL HAVE CONCRETE THRUST BLOCKING AT ALL TEES, BENDS, PLUGS, AND HYDRANTS PER THE CITY OF ROWLETT DETAIL SHEET.

CURB STOPS SHALL BE TESTED FOR LEAKAGE AND FULL FLOW WHEN SYSTEM IS PRESSURE TESTED.

ALL FIRE HYDRANT ASSEMBLIES SHALL BE EQUIPPED WITH A 6" GATE VALVE AND BOX. ALL VALVES AND FIRE HYDRANTS ARE TO BE PER CITY SPECIFICATIONS. ONLY MUELLER AND AMERICAN FLOW CONTROL HYDRANTS ARE ACCEPTED.

ANY WATER VALVES LOCATED WITHIN PAVEMENT AREAS SHALL BE ADJUSTED TO FINAL GRADE BY THE PAVING CONTRACTOR.

ALL RISERS OVER WATER VALVES SHALL BE 6" PVC WATER LINE PIPE WITH A BASS & HAYES CAST IRON ASSEMBLY ON TOP (DALLAS SHORTY STACK).

16. ALL TRENCHES OF WATER MAINS SHALL BE INSTALLED WITH A BLUE METALLIC TAPE LOCATED TWO FEET BELOW THE TOP OF TRENCH.

17. ALL TESTING SHALL BE PERFORMED WITH A REPRESENTATIVE FROM THE CITY PRESENT.

18. ALL TRENCHES SHALL BE COMPACTION TESTED AT THE RATE OF ONE TEST PER 150 L.F. OF TRENCH PER LIFT. LIFTS SHALL BE NO GREATER THAN 12" LOOSE. TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER THE PREVIOUS LIFT. THE TESTING LAB SHALL PROVIDE THE LOCATION OF ALL RESULTS ON A PLAN AND PROFILE SHEET PRIOR TO TRENCH ACCEPTANCE. THE PAVING CONTRACTOR SHALL NOT BEGIN WORK UNTIL THE CITY OF ROWLETT HAS APPROVED ALL TRENCH WORK.

SANITARY SEWER GENERAL NOTES

1. SANITARY SEWER LINES SHALL BE SDR 35 PVC PIPE, GREEN IN COLOR, UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS. ONE JOINT OF 150-PSI PRESSURE RATED PIPE SHALL BE INSTALLED UNDER ALL PROPOSED WATER PIPE CROSSINGS.

2. THE CONTRACTOR SHALL ENSURE THAT TCEQ MINIMUM SEPARATION REQUIREMENTS BETWEEN WATER LINES AND SANITARY SEWER LINES ARE MET.

3. PIPE SHALL BE BEDDED PER CITY OF ADDISON CLASS B EMBEDMENT AND PLACED AS DIRECTED THEREIN. BACKFILL SHALL BE NATIVE MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY.

4. ALL TRENCHES OF SANITARY SEWER MAINS SHALL BE INSTALLED WITH A GREEN METALLIC TAPE LOCATED TWO FEET BELOW THE TOP OF TRENCH.

5. AFTER COMPLETION OF ALL TESTING (I.E. MANDREL & AIR) CONTRACTOR SHALL PERFORM A TELEVISION CAMERA INSPECTION AND PROVIDE VIDEOTAPE OR DVD TO THE PUBLIC WORKS DEPARTMENT. DEFLECTION AND A LOW-PRESSURE AIR TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ROWLETT STANDARDS.

6. THE LOW PRESSURE AIR TEST SHALL TAKE PLACE AFTER THE FRANCHISE UTILITIES HAVE BEEN INSTALLED TO ENSURE NO DAMAGE WAS DONE TO THE SANITARY SEWER LINE AND SERVICES DURING THE INSTALLATION OF THE FRANCHISE UTILITIES.

7. A 2" HIGH "H" SAW-MARK SHALL BE SAWED ON THE CURB AND PAINTED GREEN TO MARK THE LOCATION OF THE SEWER SERVICES.

8. ALL SANITARY SEWER MANHOLES SHALL BE A MINIMUM OF 4-FT. DIAMETER IN ACCORDANCE WITH STANDARD CITY OF ROWLETT DETAILS UNLESS OTHERWISE SHOWN IN THE CONSTRUCTION PLANS.

9. CONTRACTOR SHALL PLACE A 3/4" PLYWOOD FALSE BOTTOM IN ALL SANITARY SEWER MANHOLES BEFORE PAVING CONTRACTOR COMMENCES WORK.

10. RIM ELEVATIONS OF THE PROPOSED SANITARY SEWER MANHOLES IN STREETS SHALL BE CONSTRUCTED 12" BELOW FINAL FINISHED GRADES BY UTILITY CONTRACTOR AND ADJUSTED BY CONTRACTOR TO FINISHED GRADE AT TIME OF PAVING.

11. ALL TRENCHES SHALL BE COMPACTION TESTED AT THE RATE OF ONE TEST PER 150 L.F. OF TRENCH PER LIFT. LIFTS SHALL BE NO GREATER THAN 12" LOOSE. TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER THE PREVIOUS LIFT. IF THE DISTANCE BETWEEN MANHOLES EXCEEDS 300 L.F., A MINIMUM OF 2 TESTS PER LIFT SHALL BE TAKEN. THE TESTING LAB SHALL PROVIDE THE LOCATION OF ALL RESULTS ON A PLAN AND PROFILE SHEET PRIOR TO TRENCH ACCEPTANCE. THE PAVING CONTRACTOR SHALL NOT BEGIN WORK UNTIL THE CITY OF ROWLETT HAS APPROVED ALL TRENCH WORK.

12. THE INTERIOR OF ALL MANHOLES SHALL BE LINED WITH AN EPOXY COATING AND SHALL BE RAVEN LINING 405 OR APPROVED EQUAL, AT A MINIMUM THICKNESS OF 200 MILS.

13. ALL MANHOLES SHALL BE VACUUM TESTED TO ENSURE THE MANHOLE IS WATER TIGHT.

14. ALL TRENCH COMPACTION DENSITY TESTING SHALL BE COORDINATED BY THE CONTRACTOR WITH THE TESTING LAB AND IN ACCORDANCE WITH THE CITY OF ADDISON STANDARDS. THE RESULTS OF THE TRENCH COMPACTION DENSITY TESTS SHALL BE SHOWN ON THE AS-BUILT PROFILE SHEETS AT THE LOCATION OF THE TEST. THE CITY WILL NOT ACCEPT THE INSTALLATION OF THE UTILITY UNTIL THE AS-BUILTS WITH THE TESTING RESULTS HAVE BEEN SUBMITTED TO THE ENGINEER.

15. ALL PRECAST MANHOLES SHALL HAVE SECTIONS WITH A SINGLE OFFSET JOINT WITH PROFILE RUBBER GASKETS AND SHALL CONFORM TO ASTM C478 AND C443.

STORM SEWER GENERAL NOTES

1. ALL STORM SEWER AND CULVERT PIPE AND FITTINGS IN THE ROW SHALL BE ASTM C76, CLASS III REINFORCED CONCRETE PIPE (RCP), INSTALLED WITH COMPRESSIVE TYPE JOINTS.

2. AFTER COMPLETION OF ALL THE STORM DRAIN INSTALLATION, THE CONTRACTOR SHALL PERFORM A TELEVISION CAMERA INSPECTION OF THE PIPE AND PROVIDE VIDEOTAPE OR DVD TO THE PUBLIC WORKS DEPARTMENT.

3. THE MINIMUM SIZE OF STORM DRAIN LINES SHALL BE EIGHTEEN (18) INCHES.

4. PIPE SHALL BE BEDDED IN CLASS II, OR BETTER, MATERIAL AS DEFINED IN ASTM D-2321, AND PLACED AS DIRECTED THEREIN. BACKFILL SHALL BE NATIVE MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY. ALL PIPE COLLARS AND FITTINGS SHALL BE PRECAST AND MANUFACTURED. NO COLLARS OR FITTINGS SHALL BE FIELD MADE.

5. ALL TRENCHES SHALL BE COMPACTION TESTED AT THE RATE OF ONE TEST PER 150 L.F. OF TRENCH PER LIFT. LIFTS SHALL BE NO GREATER THAN 12" LOOSE. TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER THE PREVIOUS LIFT. IF THE DISTANCE BETWEEN MANHOLES EXCEEDS 300 L.F., A MINIMUM OF 2 TESTS PER LIFT SHALL BE TAKEN. THE TESTING LAB SHALL PROVIDE THE LOCATION OF ALL RESULTS ON A PLAN AND PROFILE SHEET PRIOR TO TRENCH ACCEPTANCE. THE PAVING CONTRACTOR SHALL NOT BEGIN WORK UNTIL THE CITY OF ADDISON HAS APPROVED ALL TRENCH WORK.

6. ALL TRENCH COMPACTION DENSITY TESTING SHALL BE COORDINATED BY THE CONTRACTOR WITH THE TESTING LAB AND IN ACCORDANCE WITH THE CITY OF ADDISON STANDARDS. THE RESULTS OF THE TRENCH COMPACTION DENSITY TESTS SHALL BE SHOWN ON THE AS-BUILT PROFILE SHEETS AT THE LOCATION OF THE TEST. THE CITY SHALL NOT ACCEPT THE INSTALLATION OF THE UTILITY UNTIL THE AS-BUILTS WITH THE TESTING RESULTS HAVE BEEN SUBMITTED TO THE ENGINEER.

PAVING GENERAL NOTES

1. ALL FILL WITHIN THE ROW SHALL BE COMPACTED TO A DENSITY OF AT LEAST NINETY-FIVE (95%) PERCENT STANDARD PROCTOR AS PER ASTM D 698 AT OR ABOVE OPTIMUM MOISTURE CONTENT. LIFTS SHALL BE AS SPECIFIED PER THE SOILS LAB RECOMMENDATION AND AS APPROVED BY THE CITY. ALL FILL SHALL BE TESTED AS INSTALLED AND CERTIFIED BY AN APPROVED SOILS LABORATORY.

2. ALL FILL OUTSIDE OF THE ROW SHALL BE COMPACTED TO A DENSITY OF AT LEAST NINETY-TWO (92%) PERCENT STANDARD PROCTOR AS PER ASTM D 698 AT OR ABOVE OPTIMUM MOISTURE CONTENT. LIFTS SHALL BE AS SPECIFIED PER THE SOILS LAB RECOMMENDATION AND AS APPROVED BY THE CITY. ALL FILL SHALL BE TESTED AS INSTALLED AND CERTIFIED BY AN APPROVED SOILS LABORATORY.

3. ALL STREET CROSS SECTIONS SHALL BE DESIGNED ACCORDING TO RECOMMENDATIONS FROM A GEOTECHNICAL REPORT. AT A MINIMUM, THE STREET SHALL BE CONSTRUCTED ON 6" INCHES OF STABILIZED SUBGRADE (LIME / CEMENT) AS SOIL TESTS INDICATES. COMPACTION SHALL BE NINETY-FIVE (95%) PERCENT DENSITY AS PER AASHTO DESIGNATION T180. DENSITY TESTS SHALL BE TAKEN EVERY 500 SQUARE YARDS OR LESS, AS REQUIRED BY CITY ENGINEER.

4. CURB AND GUTTER SHALL CONSIST OF CONCRETE AND PAVEMENT SHALL BE REINFORCED CONCRETE AT LEAST SIX (6") INCHES THICK (OR THICKER IF SPECIFIED BY GEOTECHNICAL REPORT) AND AT LEAST THIRTY-ONE (31") FEET WIDE (B-B) FOR RESIDENTIAL STREETS.

5. THE PARKWAYS AND STREETS SHALL BE ROUGH CUT TO A PLUS OR MINUS ONE-TENTH (0.1') FEET OF THEIR RESPECTIVE FINAL GRADES.

6. CONSTRUCTION OF WHEEL CHAIR RAMPS SHALL BE THE RESPONSIBILITY OF THE PAVING CONTRACTOR AT THE TIME OF PUBLIC IMPROVEMENTS.

7. INDIVIDUAL WATER AND SEWER SERVICES SHALL HAVE A SUITABLE MARKER ("1" SAW-MARK FOR WATER PAINTED BLUE AND "H" SAW-MARK FOR SANITARY SEWER PAINTED GREEN) SAW-CUT ON THE FACE OF THE CURB, OR IF NO CURB IS CONSTRUCTED, ON THE TOP OF THE PAVEMENT. THE MARKS SHALL BE A MINIMUM OF TWO (2") INCHES IN HEIGHT AND WIDTH. WATER SERVICE SHALL BE LOCATED AT THE APPROPRIATE CORNER OF THE FRONT OF THE LOT, WITH THE SEWER SERVICE AT THE CENTER OF THE FRONT OF THE LOT.

8. THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN TWENTY-FOUR (24) HOURS AFTER DENSITY/MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY A REGULAR TESTING FIRM. COPIES OF THE TEST RESULTS TEST RESULTS SHALL BE FURNISHED TO THE CITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE TWENTY-FOUR (24) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.

9. THE CONTRACTOR SHALL ADJUST MANHOLE RIM ELEVATIONS, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS, ETC. TO FINISHED GRADE AT THE TIME OF PAVING.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMANENT SURVEY REFERENCE MONUMENTS INCLUDING CONCRETE MONUMENTS AT ALL BOUNDARY CORNERS AND BRASS CAPS ON ONE HEADWALL OF EACH CULVERT WITHIN OR AT THE PERIMETER OF THE DEVELOPMENT.

11. THE CONTRACTOR SHALL INSTALL A BLUE REFLECTOR IN THE STREET CENTERLINE AT THE LOCATION OF EACH FIRE HYDRANT.

12. ANY CONTRACTOR, INTENT ON USING A TEMPORARY BATCH PLANT IN THE CITY OF ROWLETT MUST RECEIVE A PERMIT FROM THE ZONING DEPARTMENT.

13. ALL STREETS SHALL HAVE A MINIMUM 30' CURB RADIUS.

14. THE SUBGRADE SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE WATER TRUCK OR DUMP TRUCK AND OBSERVED BY THE CONSTRUCTION INSPECTOR OR CITY ENGINEER PRIOR TO PAVING.

15. THE CONTRACTOR SHALL PREPARE ALL TRAFFIC CONTROL PLANS AND SUBMIT TO THE CITY PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS FOR WORK WITHIN THE CITY. THE PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE CURRENT EDITION OF THE MUTCD AND AS MODIFIED BY THE TxDOT SUPPLEMENT TO THE MUTCD. THE PLAN SHALL ADDRESS THE REQUIREMENTS FOR ALL SIGNS, BARRICADES, FLAGMEN, LIGHTS, HOURS OR CONSTRUCTION, AND OTHER DEVICES AS NECESSARY FOR SAFE TRAFFIC CONTROL.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TRAFFIC CONTROL FOR THE PROJECT IN ACCORDANCE WITH MUTCD STANDARDS.

17. FOLLOWING COMPLETION OF THE PAVING IMPROVEMENTS, THE CONTRACTOR SHALL SUBMIT AN AS-BUILT FIELD SURVEY TO THE CITY VERIFYING THAT THE LOT GRADING PLAN WAS ADHERED TO IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.

18. PRIOR TO ACCEPTANCE OF THE IMPROVEMENTS, AN INSPECTION BY A RAS SHALL BE CONDUCTED AND ALL SUBSEQUENT WORK RESULTING FROM THE INSPECTION MUST BE COMPLETED.

**CITY OF ADDISON, TEXAS
DEPARTMENT OF PUBLIC WORKS**

STANDARD GENERAL NOTES

**DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

DESIGN: DRAWN: CHECKED:	SCALE: NOTED DATE:	PROJECT NO.	SHEET C1
-------------------------------	--------------------------	-------------	--------------------