

I. GENERAL NOTES:

- 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL'S CONSTRUCTION STANDARDS AND DETAILS AND OTHER LOCAL, STATE AND FEDERAL STANDARDS AS APPLICABLE TO THE WORK ASSOCIATED WITH THIS PROJECT.
2. PRIOR TO THE BEGINNING OF ANY WORK, THE CONTRACTOR SHALL PROVIDE ACCEPTABLE PROOF OF INSURANCE AND BONDING AS PER THE OWNER'S REQUIREMENTS.
3. PHYSICAL FEATURES SHOWN ARE BASED ON A FIELD SURVEY BY HAROLD FETTY, III, ROCKWALL SURVEY CO. INFORMATION REGARDING EXISTING BURIED FACILITIES IS SHOWN BASED ON HISTORICAL DOCUMENTS, OWNER PROVIDED INFORMATION AND AVAILABLE DATA. AT THE TIME THESE PLANS WERE DEVELOPED, THE LOCATION OF BURIED FACILITIES MAY VARY. INFORMATION SHOWN IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE.
4. CONTRACTOR SHALL VERIFY DIMENSIONS, ELEVATIONS & CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION ACTIVITIES & NOTIFY THE ENGINEER AND THE OWNER OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK. ID DISCREPANCIES OR INCONSISTENCIES ARE ENCOUNTERED WORK SHALL BE STOPPED IMMEDIATELY AND THE ENGINEER NOTIFIED.
5. VARIOUS UTILITIES EXIST THROUGHOUT THE PROJECT AREA. INFORMATION CONCERNING TYPE, SIZE & LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE RESPECTIVE UTILITY COMPANIES AT LEAST 48 HRS. PRIOR TO BEGINNING CONSTRUCTION TO REPORT HIS ACTIVITIES AND REQUEST THE MARKING OF ALL UTILITIES TO VERIFY THEIR LOCATIONS WITHIN THE SCOPE OF THE PROJECT AREA. CONTRACTOR SHALL USE EXTREME CARE WHEN PERFORMING ANY EXCAVATION, GRADING OR DEMOLITION OPERATIONS IN THE PROXIMITY OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR MAKING HIS OR HER OWN DETERMINATION AS TO THEIR ABILITY TO AVOID DAMAGE THERETO. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITIES AND ASSOCIATED UTILITY APPURTENANCES AGAINST ANY DAMAGES OR INTERRUPTIONS CAUSED BY CONSTRUCTION IN THE PROJECT AREAS. CALL 1-800-DIG-TESS TO REPORT ACTIVITIES AND REQUEST ASSISTANCE IN LOCATING BURIED UTILITIES.
6. CONTRACTOR SHALL COORDINATE ANY WORK WHICH MAY REQUIRE THE SHORING OF OVERHEAD UTILITY POLES WITH THE RESPECTIVE UTILITY PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY REMOVAL AND DISPOSAL OF ALL CONSTRUCTION, INCLUDING CONSTRUCTION DEBRIS, FROM THE PROJECT AREA. DISPOSAL SHALL BE OFF SITE AT A LOCATION COMPLYING WITH FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE DEWATERING EQUIPMENT TO REMOVE AND DISPOSE OF ALL SURFACE AND GROUND WATER ENTERING EXCAVATIONS, TRENCHES, OR OTHER PARTS OF THE WORK. EACH EXCAVATION SHALL BE KEPT DRY DURING SUBGRADE PREPARATION AND CONTINUALLY THEREAFTER UNTIL THE PIPE INSTALLED THEREIN IS COMPLETED TO THE EXTENT THAT NO DAMAGE FROM HYDROSTATIC PRESSURE, FLOTATION, OR OTHER CAUSE WILL RESULT. UNDER NO CIRCUMSTANCES SHALL CONCRETE BE DEPOSITED UNDER WATER OR WATER ALLOWED TO INUNDATE CONCRETE UNTIL HARDENED. SURFACE WATER SHALL BE DIVERTED OR OTHERWISE PREVENTED FROM ENTERING EXCAVATIONS OR TRENCHES TO THE GREATEST EXTENT PRACTICABLE WITHOUT CAUSING DAMAGE TO ADJACENT PROPERTY.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND COMPLIANCE OF EROSION CONTROL, RUN-OFF AND SEDIMENTATION MEASURES, AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW & REGULATIONS, THROUGHOUT THIS PROJECT.
10. CONTRACTOR SHALL MAINTAIN ALL ENTRIES TO PROJECT SITE AND/OR WORK AREAS SO THAT TRACKING OF MUD INTO PUBLIC RIGHT-OF-WAYS AND ONTO PRIVATE PROPERTY SHALL BE PREVENTED. ALL MATERIAL TRACKED, SPILLED, WASHED OR ENTERING PUBLIC RIGHT-OF-WAYS OR PRIVATE PROPERTIES FROM VEHICLES, CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITIES SHALL BE REMOVED IMMEDIATELY AND MEASURES SHALL BE TAKEN TO PREVENT SUBSEQUENT OCCURRENCES.
11. ALL TREES, BUSHES, AND OTHER VEGETATION, WHICH ARE IN THE AREAS TO BE OCCUPIED BY THE PROPOSED FACILITIES, SHALL BE REMOVED AND DISPOSED OF AS PER GENERAL NOTE 7. NO TREES OR CULTURED PLANTS SHALL BE UNNECESSARILY REMOVED UNLESS THEIR REMOVAL IS SO INDICATED ON THE PLANS OR LINES DIRECTED BY THE OWNER. ANY CUTTING OR REMOVAL OF TREES SHALL BE IN COMPLIANCE WITH THE LOCAL GOVERNING ENTITIES REGULATIONS. ALL TREES AND PLANTS NOT REMOVED SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS.
12. UNLESS OTHERWISE NOTED, CONCRETE STRENGTH AND CLASS (PER NCTCOG SPECS) SHALL BE AS FOLLOWS
28 DAY STRENGTH CLASS
MIN. 6 SACK..... MACHINE/PLACEMENT ..... 3600 PSI..... A
MIN. 6 1/2 SACK ..... HAND FINISH/PLACEMENT ..... 3600 PSI..... A
13. CONTRACTOR SHALL MAINTAIN ACCURATE AS-BUILT DOCUMENTS INDICATING THE LOCATION OF ALL INSTALLED FACILITIES IF OTHER THAN AS SHOWN PER THE PLANS. VALVE LOCATIONS AND CONNECTIONS TO EXISTING UTILITIES SHALL BE IDENTIFIED BY DIMENSION FROM A MINIMUM OF THREE VISIBLE AND REASONABLY PERMANENT OBJECTS SUCH AS POWER POLES, FENCE CORNERS, ETC. AS-BUILT DOCUMENTS SHALL ALSO IDENTIFY THE MEANS BY WHICH ALL CONNECTIONS ARE MADE, FITTING SIZE AND MATERIAL, ETC. CONTRACTOR SHALL TURN OVER THE COMPLETED AS-BUILT DRAWING TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
14. CONTRACTOR SHALL NOTIFY RESPECTIVE PROPERTY OWNERS PRIOR TO ANY CONSTRUCTION ON THEIR PROPERTIES. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RESPECTIVE PROPERTY OWNERS WHEN ACCESS TO THEIR PROPERTIES MAY BE REQUIRED DURING LIMITED HOURS OR MAY BE RESTRICTED BY MEANS OF FENCES OR GATES.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE MOST RECENT REVISIONS OF STATE AND FEDERAL LAWS AND REGULATIONS RELATING TO TRENCH SAFETY.
16. CONTRACTOR SHALL COMPLY WITH LOCAL, STATE AND FEDERAL TRAFFIC CODES AND REGULATIONS REQUIRED FOR THE INSTALLATION OF UTILITIES ALONG OR ACROSS THE RESPECTIVE ROADWAYS. CONTRACTOR TO PROVIDE, AT NO ADDITIONAL COST, ALL NECESSARY TRAFFIC MARKERS, SIGNS, SIGNALS AND FLAGMEN, UNTIL ALL WORK IS ACCEPTED BY THE GOVERNING ENTITY AND THE OWNER.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MODIFICATIONS TO MISCELLANEOUS DETAILS SHOWN HEREIN IN ORDER TO COMPLY WITH THE GOVERNING ENTITY'S STANDARDS (SEE GENERAL NOTE 1). WHERE VARIATIONS EXIST BETWEEN THE GOVERNING ENTITY'S STANDARDS AND THE MISCELLANEOUS DETAILS SHOWN HEREIN, THE GOVERNING ENTITY'S STANDARDS SHALL CONTROL.
18. CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS THE SEQUENCE OF CONSTRUCTION RELATED TO THIS PROJECT. AN ACCEPTABLE SEQUENCE AVOIDING CONFLICT SHALL BE DETERMINED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
19. CONTRACTOR SHALL MAKE HIMSELF OR HERSELF FAMILIAR WITH ALL ASPECTS OF THE PROJECT AND CONSTRUCTION DOCUMENTS PRIOR TO BEGINNING WORK.
20. THE CONTRACTOR SHALL EXPOSE AND VERIFY FLOW LINES OF EXISTING SANITARY SEWER LINES IN THE AREA OF WORK PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
21. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATION.
22. FINAL GRADES WITHIN 10 FEET OF THE STRUCTURE SHALL BE ADJUSTED TO SLOPE AWAY FROM THE STRUCTURE AT A MIN. SLOPE OF 2%.
23. THE EXCAVATED SUBGRADE SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING BASE.
24. CONTRACTOR SHALL OBTAIN AND PAY FOR NECESSARY PERMITS AND SHALL COMPLY WITH ALL APPLICABLE LAWS, REGULATIONS & CODES OF THE FEDERAL, STATE, AND LOCAL GOVERNMENTS IN QUALIFYING FOR AND IN PERFORMING THE WORK, INCLUDING, WITHOUT LIMITATION, ALL LAWS AND REGULATIONS RELATING TO LABOR, UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. ALL PERMITS SHALL BE OBTAINED PRIOR TO BEGINNING ANY WORK ON THE SITE. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH UTILITY COMPANIES.
25. THE CONTRACTOR SHALL VERIFY LOCATION AND SIZES OF ALL OPENINGS, INSERTS AND EMBEDDED ITEMS BEFORE PLACING CONCRETE.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A COPY OF THE GEOTECHNICAL INVESTIGATION REPORT PREPARED FOR THIS SITE AND FOLLOW THE RECOMMENDATIONS AND CONSTRUCTION GUIDELINES.
27. A QUALIFIED GEOTECHNICAL ENGINEER SHOULD BE RETAINED TO COLLECT MATERIAL SAMPLES, OBSERVE MOISTURE CONDITIONING OF THE SUBGRADE, CONDUCT COMPACTION TEST, AND ENSURE THE INTENT OF THESE PLANS IS ACCOMPLISHED.
28. ALL NEWLY GRADED AREAS SHALL BE SOUD SODDED OR HYDRO-SEEDED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.

II. EARTHWORKS

- 1. CONTRACTOR SHALL PROVIDE FOR DEWATERING AT EXCAVATIONS FROM EITHER SURFACE WATER OR SEEPAGE.
2. ALL EXCAVATIONS SHALL BE INSPECTED BY THE ENGINEER PRIOR TO PLACEMENT OF STEEL OR CONCRETE.
3. EXCAVATION, PLACEMENT OF STEEL AND CONCRETE, AND ANY REQUIRED BACKFILLING SHALL PROCEED IN AS CONTINUOUS A MANNER AS PRACTICAL. THIS WILL SERVE TO MINIMIZE DETERIORATION OF THE BEARING SURFACE.
4. CONSTRUCTION SHALL BE PER SOILS REPORT.
5. ALL VEGETATION AND TOPSOIL CONTAINING ORGANIC MATERIAL SHALL BE CLEARED AND GRUBBED AT THE BEGINNING OF EARTHWORK CONSTRUCTION. THE ENTIRE SITE SHALL BE PROOFROLLED WITH A LOADED DUMP TRUCK. SOILS WITHIN ANY LOOSE AREAS IDENTIFIED SHOULD BE EXCAVATED TO A FIRM BASE [FIRM IS DEFINED AS SOILS WITH A POCKET PENETROMETER STRENGTH OF 2.0 TONS PER SQUARE FOOT (TSF) OR GREATER. THE EXCAVATED SOIL SHALL THEN BE RECOMPACTED AS OUTLINED IN THIS SECTION.
6. PROPER BACKFILLING AROUND THE BUILDING PERIMETER WILL REDUCE THE POTENTIAL FOR WATER SEEPAGE BENEATH THE STRUCTURE. FILL AGAINST THE PERIMETER OF THE FOUNDATION SHOULD CONSIST OF SITE-EXCAVATED CLAYS, OR EQUAL, PLACED AND COMPACTED IN ACCORDANCE WITH THE SOILS REPORT.
7. COMPACTION TESTS ON FILL SHALL BE MADE FOR EACH 500 CY, OF COMPACTED FILL, PER 6" LIFT OR AS REQUIRED BY THE ENGINEER. ALL FILL TO BE COMPACTED WITH SHEEPS-FOOT ROLLER.
8. THE EXCAVATED SOILS SHALL BE CLEANED OF ORGANIC DEBRIS (IF ENCOUNTERED) AND STOCKPILED.
9. SUBGRADE SHALL BE PROOFROLLED TO DETECT SOFT SPOTS. AREAS WHICH EXHIBIT PUMPING OR SOFT SPOTS SHALL BE EXCAVATED AND REPLACED W/ SELECT FILL AND RECOMPACTED.

III. GRADING NOTES:

- 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL'S CONSTRUCTION STANDARDS AND DETAILS AND OTHER LOCAL, STATE AND FEDERAL STANDARDS AS APPLICABLE TO THE WORK ASSOCIATED WITH THIS PROJECT. IN THE EVENT AN ITEM IS NOT COVERED, THE CONTRACTOR SHALL BRING THE PROBLEM TO THE ATTENTION OF THE ENGINEER FOR A DECISION, APPROVAL OR MODIFICATION.
2. EXCAVATION OR FILL OPERATIONS SHALL NOT INTERFERE WITH OR OBSTRUCT PRE-CONSTRUCTION DRAINAGE PATTERNS UNTIL SUCH TIME AS ON-SITE DRAINAGE IMPROVEMENTS ARE CONSTRUCTED. TOP SOIL SHALL BE STRIPED, STOCKPILED AND INSTALLED AS THE FINAL UNCOMPACTED LIFT TO BRING ALL REQUIRED FILLS (OTHER THAN PAVEMENT AREAS) TO GRADE.
3. ALL PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISH GRADE GUTTER FLOW LINES UNLESS OTHERWISE NOTED. GUTTER SPOT ELEVATIONS ARE 0.50 FEET BELOW TOP OF CURB. THE INTENTION OF THIS GRADING PLAN IS TO PRECLUDE PONDING WATER ON PAVING OR GRASS AREAS. IF THE CONTRACTOR FINDS ANY LOCATION THAT WILL RESULT IN PONDING WATER THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO PAVEMENT PLACEMENT.
4. ALL SUBGRADE BENEATH PROPOSED PAVEMENT SHALL BE SCARIFIED 6" DEEP, STABILIZED WITH A STANDARD MINIMUM OF 5% HYDRATED LIME BY DRY UNIT WEIGHT OF SOIL AND COMPACTED 95 PROCTOR (ASTM-D-698) AT OR SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT. ON-SITE FILLS SHALL BE SCARIFIED 6" DEEP AND COMPACTED 95% STANDARD PROCTOR (ASTM-D-698) AT OR SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT. ALL REQUIRED LIFTS TO BRING FILL AREAS TO GRADE SHALL BE A MAXIMUM OF 6" DEEP AND COMPACTED TO 95 % STANDARD PROCTOR (ASTM-D-698) AT OR SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL, WARNING AND SAFETY DEVICES UNTIL ALL WORK HAS BEEN ACCEPTED BY THE CITY OF ROCKWALL AND THE OWNER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH SAFETY IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S TRENCH SAFETY STANDARDS.
7. CONTRACTOR SHALL COMPLY WITH EROSION AND SEDIMENTATION REQUIREMENTS.
8. ALL FILL TO BE COMPACTED WITH SHEEPS-FOOT ROLLER.

IV. PAVING NOTES:

- 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL'S CONSTRUCTION STANDARDS AND DETAILS AND OTHER LOCAL, STATE AND FEDERAL STANDARDS AS APPLICABLE TO THE WORK ASSOCIATED WITH THIS PROJECT. IN THE EVENT AN ITEM IS NOT COVERED, THE CONTRACTOR SHALL BRING THE PROBLEM TO THE ATTENTION OF THE ENGINEER FOR A DECISION, APPROVAL OR MODIFICATION.
2. EXCAVATION OR FILL OPERATIONS SHALL NOT INTERFERE WITH OR OBSTRUCT PRE DRAINAGE PATTERNS UNTIL SUCH TIME AS ON-SITE DRAINAGE IMPROVEMENTS ARE CONSTRUCTED. TOP SOIL SHALL BE STRIPED, STOCKPILED AND INSTALLED AS THE FINAL UNCOMPACTED LIFT TO BRING ALL REQUIRED FILLS (OTHER THAN PAVEMENT AREAS) TO GRADE.
3. ALL PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISH GRADE GUTTER FLOW LINES UNLESS OTHERWISE NOTED. GUTTER SPOT ELEVATIONS ARE 0.50 FEET BELOW TOP OF CURB. THE INTENTION OF THIS GRADING PLAN IS TO PRECLUDE PONDING WATER ON PAVING OR GRASS AREAS. IF THE CONTRACTOR FINDS ANY LOCATION THAT WILL RESULT IN PONDING WATER THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO PAVEMENT PLACEMENT.
4. ALL SUBGRADE BENEATH PROPOSED THE PAVEMENT SHALL BE SCARIFIED TO 6" DEEP, STABILIZED WITH A MINIMUM OF 5% HYDRATED LIME BY DRY UNIT WEIGHT OF THE SOIL AND COMPACTED 95% STANDARD PROCTOR (ASTM-D-698) AT OR SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT. LABORATORY TEST MUST BE SUBMITTED TO THE ENGINEERING DEPARTMENT FOR APPROVAL TO DETERMINE THE AMOUNT OF LIME AND TYPE OF COMPACTION REQUIRED. LABORATORY TEST MAY BE WAIVED PROVIDED AT LEAST 36 LBS. OF LIME PER SQ. YD. IS USED. ON-SITE FILLS SHALL BE SCARIFIED 6" DEEP AND COMPACTED TO 95% STANDARD PROCTOR (ASTM-D-698) AT OR SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT. ALL REQUIRED LIFTS TO BRING FILL AREAS TO GRADE SHALL BE A MAXIMUM OF 6" DEEP AND COMPACTED 95% STANDARD PROCTOR (ASTM-D-698) AT OR SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT.
5. ALL DRIVEWAYS/APPROACHES SHALL MATCH EXISTING STREET PAVEMENT SECTIONS. FIRE LANE, DUMPSTER ACCESS, ENTRANCES AND EASEMENT ACCESS PAVEMENT SHALL BE 6" THICK 3600 PSI CONCRETE WITH #3 BARS ON 18" CENTERS BOTH WAYS.
6. THE TRASH ENCLOSURE FOUNDATION SHALL BE CONSTRUCTED OF 7" THICK 3600 PSI CONCRETE WITH #3 BARS ON 12" CENTERS BOTH WAYS. SLAB EDGES SHALL BE 12" WIDE BY 24" DEEP WITH 2 #5 BARS TOP AND BOTTOM. PAVING SHALL SLOPE MINIMUM OF 1/4" FROM BACK TO FRONT.
7. SAWED TRANSVERSE DUMMY JOINTS SHALL BE INSTALLED IN CONCRETE PAVEMENT ON 15' CENTERS.
8. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT ALL DRIVE RETURNS. EXPANSION JOINTS SHALL BE PLACED ALONG ALL FIXED OBJECTS SUCH AS LIGHT POLES AND FOUNDATIONS.
9. CONTRACTOR SHALL ADJUST ANY AFFECTED MANHOLES AND WATER VALVES TO MATCH FINISHED GRADES AS SHOWN ON DRAWINGS.
10. CONTRACTOR SHALL CONSTRUCT BARRIER FREE RAMPS AT ALL INTERSECTIONS PER CITY OF ROCKWALL DETAILS. SEE SITE PLAN AND GRADING PLAN FOR LOCATIONS.
11. ALL CONDUIT FOR IRRIGATION SLEEVES SHALL BE CLASS 200 PVC INSTALLED 12" BELOW CONCRETE PAVEMENT AND EXTEND 2' OUTSIDE OF BACK OF CURB.
12. HANDICAP ACCESSIBLE RAMPS CONFORMING TO CITY OF ROCKWALL CONSTRUCTION STANDARDS AND MEETING THE "AMERICANS WITH DISABILITIES ACT" (ADA) SHALL BE CONSTRUCTED AT LOCATIONS SHOWN.
13. REMOLDED EXPANSION JOINTS SHALL NOT EXCEED A 100' SPACING ON STRAIGHT RUNS. EXPANSION JOINT FILLER SHALL BE PREFORMED JOINT FILLER, BITUMINOUS TYPE, MEETING THE REQUIREMENTS OF ASTM D994 OR AASHTO M33, LATEST REVISIONS. DUMMY JOINT SHALL BE INSTALLED ON A 15' MAXIMUM SPACING.
14. THE CURB SECTION SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN ON THE PLANS BY USE OF A CURB MACHINE OR HAND MULE. ALL EDGES SHALL BE ROUNDED WITH AN EDGE TOOL. FINISH SHALL BE WOOD FLOAT OR SIMILAR.

V. UTILITY NOTES:

- 1. ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. IN THE EVENT AN ITEM IS NOT COVERED, THE CONTRACTOR SHALL BRING THE PROBLEM TO THE ATTENTION OF THE ENGINEER FOR A DECISION, APPROVAL OR MODIFICATION.
2. ALL WATER MAINS 6" OR LESS SHALL BE CLASS 200, AWWA C900 PVC PIPE. ALL WATER MAINS 8" THROUGH 12" SHALL BE CLASS 200, AWWA C800 PVC PIPE. ALL PRIVATELY MAINTAINED WATERLINES SHALL BE SCHEDULE 40.
3. ALL GATE VALVES SHALL BE GITY APPROVED RESILIENT SEAT GATE VALVES (A-2370- SERIES).
4. ALL FIRE HYDRANTS MUST MEET CITY OF ROCKWALL SPECIFICATIONS
5. HOSE/PUMPER NOZZLES ON FIRE HYDRANTS SHALL BE 18" ABOVE TOP OF CURB, OR FINISHED GRADE AND SHALL FACE THE STREETS OR FIRE LANE. FIRE HYDRANT SHALL NOT BE PLACED LESS THAN 2.0 FEET OR MORE THAN 6.0 FEET BEHIND THE CURB.
6. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48" BELOW FINISH GRADE.
7. ALL THE WATER MAINS SHALL BE PRESSURED TESTED IN ACCORDANCE WITH ROCKWALL STANDARDS. THE CONTRACTOR SHALL FLUSH AND STERILIZE ALL WATER MAINS.
8. ALL SANITARY SEWER PIPE SHALL BE SDR-35 PVC PIPE UNLESS OTHERWISE SPECIFIED BY CODE ENFORCEMENT.
9. ALL FITTINGS AND VALVES SHALL BE INSTALLED WITH MEGALUG RESTRAINT GLANDS AND CONCRETE THROST BLOCKING. ALL METAL PIPE AND FITTINGS SHALL BE POLY WRAPPED.
10. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY FITTINGS, TAPS, CONNECTIONS, PLUGS, ETC. REQUIRED TO FILL, SANITIZE, FLUSH AND TEST NEW UTILITIES.
11. CONTRACTOR TO EXPOSE AND VERIFY LOCATION, SIZE, DEPTH AND MATERIAL OF EXISTING UTILITIES PRIOR TO ANY EXCAVATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
12. UTILITY CONTRACTOR SHALL COORDINATE WITH ELECTRICAL PAVING AND LANDSCAPE CONTRACTORS FOR THE LOCATION, SIZE AND INSTALLATION OF BURIED PIPE SLEEVES NEEDED FOR PROPOSED IRRIGATION PIPE AND ELECTRICAL CONDUITS. REFERENCE LANDSCAPE PLANS FOR IRRIGATION PIPE LOCATION AND SIZES. REFERENCE MEP PLANS FOR MISCELLANEOUS YARD PIPING AND OUTSIDE HOSE BIB LOCATIONS AND SIZES.
13. THE OPEN END OF ALL WATER & SEWER PIPES INSTALLED IN THE TRENCH AND LEFT EXPOSED SHALL BE SECURELY PLUGGED AT THE END OF EACH WORK DAY TO PREVENT FOREIGN OBJECTS FROM ENTERING THE PIPE.
14. CONTRACTOR MUST LAY ALL NEW WATER & SEWER LINES PRIOR TO REMOVING THE EXISTING LINES TO KEEP THE DOWNTIME TO A MINIMUM. THE OWNER MUST BE CONTACTED 48 HOURS IN ADVANCE AND GIVE PRIOR APPROVAL TO THE CONTRACTOR WHEN DISCONNECTING THE EXISTING AND RECONNECTING THE NEW UTILITY LINES.
15. EXISTING WATER LINES MUST REMAIN IN SERVICE DURING CONSTRUCTION. NEW WATER MAINS MUST BE SANITIZED, FLUSHED, TESTED, AND SAMPLED PRIOR TO BEING CONNECTED TO EXISTING WATER LINES. ALL SANITIZING, FLUSHING, AND TESTING OF NEW WATER LINES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C651 AND CONDUCTED UNDER THE SUPERVISION OF CITY REPRESENTATIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING THE PROPER FITTINGS & MAKING THE NECESSARY CONNECTIONS TO ISOLATE EXISTING WATER LINES FROM NEW WATER LINES DURING THE DISINFECT ION PROCEDURE.
16. ALL PIPES AND RELATED APPURTENANCES SHALL BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS WITH REFERENCE TO MATERIALS TO BE USED AND PROCEDURES TO BE FOLLOWED.
17. ALL NEWLY INSTALLED PIPES AND RELATED APPURTENANCES SHALL CONFORM TO THE AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL SANITATION FOUNDATION (ANSI/NSF) STANDARD 61 AND SHALL BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI.
31. ALL NEW WATER PIPES AND RELATED APPURTENANCES SHALL BE INSTALLED NO CLOSER THAN TEN (10) FEET HORIZONTALLY AND TWO(2) FEET VERTICALLY (WHEN ABOVE) SAN. SEWER LINES.
32. SANITARY PRECAUTIONS, FLUSHING DISINFECT ION PROCEDURES, AND MICRO BIOLOGICAL SAMPLING AS PRESCRIBED IN AWWA STANDARDS FOR DISINFECTING WATER MAINS SHALL BE FOLLOWED IN LAYING WATER LINES.

VI. REINFORCED CONCRETE WORK

- 1. CONSTRUCTION JOINTS MUST BE APPROVED BY THE OWNER.
2. CONCRETE SHALL MEET THE REQUIREMENTS OF THE ACI-318-LATEST EDITION, AND THE C.R.S.I. MANUAL OF STANDARD PRACTICE.
3. CONCRETE SHALL BE AS PER TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF HIGHWAYS, STREETS, AND BRIDGES, LATEST EDITION.
4. REMOLDED EXPANSION JOINTS SHALL NOT EXCEED A 100' SPACING ON STRAIGHT RUNS. EXPANSION JOINT FILLER SHALL BE PREFORMED JOINT FILLER, BITUMINOUS TYPE, MEETING THE REQUIREMENTS OF ASTM D994 OR ASHTO M33, LATEST REVISIONS. DUMMY JOINT SHALL BE INSTALLED ON A 15' MAX. SPACING.
5. THE CURB SECTION SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN ON THE PLANS. BY USE OF A CURB MACHINE OR HAND MULE ALL EDGES SHALL BE ROUNDED WITH AN EDGE TOOL. FINISH SHALL BE WOOD FLOAT OR SIMILAR.
6. TEST SLUMP OF CONCRETE, AIR CONTENT, AND PREPARE THE CONCRETE CYLINDERS FOR COMPRESSION TEST; FOR EACH 100CY OF CONCRETE AND FOR ANY ONE DAYS POUR.
7. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT AND SHALL MEET THE SAME STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
8. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4".

VII. THRUST BLOCKS

- 1. POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.
2. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND METAL FITTINGS VALVES OR PLUGS TO PREVENT CONCRETE FROM STICKING.
3. CONCRETE SHALL BE CLASS "B"

VIII. REINFORCING STEEL

- 1. ALL REINFORCING STEEL SHALL BE PER BUILT. A.S.T.M. A615, GRADE 60 DEFORMED DOMESTIC BARS. ALL DETAILING, FABRICATION, PLACING AND SUPPORTING SHALL BE IN ACCORDANCE WITH THE LATEST A.C.I. 318 AND C.R.S.I.
2. ALL DOWELS SHALL BE SAME SIZE & SPACING AS ADJOINING MAIN BARS (MIN. LAP 40 BAR DIA.). THE MINIMUM SPLICE OF ALL CONTINUOUS BARS SHALL BE 40 BAR DIA. (2-0" MIN.) PROVIDED CORNER BARS IN ALL BEAMS. BARS SHALL BE SAME SIZE AS MAIN BEAMS STEEL. LAP 40 BAR DIA.
3. CLEAR MINIMUM COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS: CONCRETE PLACED AGAINST EARTH . . . . . 3" FORMED CONCRETE AGAINST EARTH . . . . . 2" BEAMS TO TIES/STIRRUPS . . . . . 1-1/2"
4. ALL REINFORCING BARS, W.W.F., BOLTS, DOWELS, INSERTS, ETC., SHALL BE RIGIDLY SECURED IN POSITION PRIOR TO PLACING CONCRETE. ALL ANCHOR BOLTS SHALL BE SET WITH TEMPLATES.
5. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE BARS CONTINUOUS AROUND CORNERS. WHEN PERMITTED, SPLICES SHALL BE MADE BY CONTACT LAPS, CLASS B UNLESS OTHERWISE NOTED.
6. WELDED WIRE FABRIC (WWF) REINFORCEMENT SHALL BE LAPPED ONE FULL MESH AT ALL SPLICES AND THE WIRE SHALL BE TIED TOGETHER.
7. REINFORCING SHALL BE ACCURATELY POSITIONED AND SECURELY TIED.
8. REINFORCING STEEL SHALL BE PER TxDOT STANDARD SPECIFICATIONS SECTION 502.

CAUTION!! EXISTING UTILITY LINES ARE LOCATED IN VICINITY OF PROPOSED WORK. CONTACT ALL UTILITY COMPANIES NOT LIMITED TO GAS, POWER, TELEPHONE, AND TV CABLE FOR THE GROUND STAKING OF LINES BEFORE EXCAVATION. LOCATION OF ALL UTILITY LINES ARE NOT SHOWN ON THIS DRAWING. SEE GENERAL NOTE NO. 5

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE ENGINEER HAS NOT VERIFIED THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT OF WHICH MAY BE ASSOCIATED WITH THE INFORMATION PROVIDED. JOHN E. HAWKINS & ASSOCIATES, INC.

By: [Signature] Date: 2/16/02



Table with columns: REVISION, DATE, DESCRIPTION, SHEET NO. (C22), and project information for John E. Hawkins & Associates, Inc. and James Littlepage Culver's Restaurant.

TEXAS EXCAVATION SAFETY SYSTEM - "TEES" IS A DAMAGE PREVENTION SERVICE TO HELP EXCAVATORS NOTIFY OWNERS OF BURIED FACILITIES BEFORE DIGGING. CALL "1-800-DIG-TESS" CALL 1-800-395-0440 FOR SOUTHWESTERN BELL TELEPHONE LOCATION SERVICES 24 HOURS A DAY

PROJECT DIRECTORY

CITY OF ROCKWALL ROCKWALL, TEXAS 972-771-7745 OR