

DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION NOTES:

- CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL EXISTING CONCRETE AND HMA PAVEMENT OUTSIDE OF THE CITY LIMITS AS REQUIRED FOR CONSTRUCTION OF THE PROJECT. ALL COST SHALL BE INCLUDED IN THE APPROPRIATE ITEM IN THE BID SCHEDULE.
- PAYMENTS FOR REMOVAL AND REPLACEMENT OF STREET, DRIVEWAY AND SIDEWALK PAVEMENT SHALL BE BASED ON PLAN QUANTITY AND NO ADJUSTMENTS WILL BE MADE UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
- ALL PAVEMENTS TO BE REMOVED AND REPLACED SHALL BE SAW CUT TO FULL DEPTH ALONG NEAT LINES SHOWN IN THE PLANS. PROPOSED CONCRETE PAVEMENT SHALL BE CONSTRUCTED WITH LONGITUDINAL BUTT CONSTRUCTION JOINTS AT ALL CONNECTIONS TO EXISTING CONCRETE PAVEMENT.
- THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS WORK SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDE DIRT, TRASH, ROCK MEASURING GREATER THAN 6" IN THE LARGEST DIMENSION, ETC. SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO THE CITY OF ROCKWALL IF WITHIN THE CITY LIMITS. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAYS WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE CITY OF ROCKWALL. IF THE CONTRACTOR PLACES EXCESS MATERIALS IN THESE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST.
- ALL EXCAVATION ON THE PROJECT IS UNCLASSIFIED. IF SOIL BORINGS WERE CONDUCTED THEY ARE PROVIDED IN THE BID/CONTRACT DOCUMENTS.

UTILITY NOTES:

- REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION AND TYPE OF ALL KNOWN CITY OF ROCKWALL UNDERGROUND WET UTILITIES AND SERVICE LINES. HOWEVER, THE CITY OF ROCKWALL ASSUMES NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL EXISTING CITY OF ROCKWALL UNDERGROUND WET UTILITIES AND SERVICE LINES, OR TO SHOW THEM IN THEIR EXACT LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, SERVICE LINES OR THE LIKE, WHICH ARE EXPOSED BY THE CONSTRUCTION OPERATIONS.
- BIDDERS SHALL MAKE ANY INVESTIGATION OF EXISTING SUBSURFACE CONDITIONS AS DEEMED NECESSARY AT NO EXPENSE TO THE CITY OF ROCKWALL. NEITHER THE CITY OF ROCKWALL NOR THE ENGINEER WILL BE RESPONSIBLE IN ANY WAY FOR ADDITIONAL COMPENSATION FOR EXCAVATION WORK PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTORS ASSUMPTIONS.
- CONTRACTOR SHALL ADJUST ALL CITY OF ROCKWALL UTILITIES TO THE FINAL GRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICE LINES CROSSED OR EXPOSED BY CONSTRUCTION OPERATIONS. WHERE EXISTING SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY REPLACE THE SERVICE LINE WITH SAME TYPE OF ORIGINAL CONSTRUCTION OR BETTER.
- THE CONTRACTOR SHALL EXCAVATE AND FIELD LOCATE THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITY CROSSING LOCATIONS UTILIZING PROVIDED PROJECT CONTROL. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES IDENTIFIED BETWEEN THE CONTRACTORS FIELD VERIFIED EXISTING UTILITY LOCATION AND PROPOSED LOCATION OF UTILITIES FOR THE PROJECT.
- THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. THE CONTRACTOR SHALL PROVIDE DETAILED PLANS AND SPECIFICATIONS FOR TRENCH SAFETY SYSTEMS THAT COMPLY WITH APPLICABLE LAWS GOVERNING EXCAVATION. THESE PLANS SHALL BE SEALED BY AN ENGINEER EXPERIENCED IN THE DESIGN OF TRENCH SAFETY SYSTEMS, REGISTERED IN THE STATE OF TEXAS. THE CONTRACTOR SHALL SUBMIT COMPLETED TRENCH SAFETY PLAN TO THE ENGINEER AND CITY PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF WORK RELATED TO EXCAVATION.

WATER LINE NOTES

- THE CONTRACTOR SHALL MAINTAIN EXISTING WATER SERVICE AT ALL TIMES DURING CONSTRUCTION.
- PROPOSED WATER LINES SHALL BE AWWA C-900 PVC, DR 14 PC 305 (BLUE IN COLOR) UNLESS OTHERWISE SHOWN ON WATER PLAN AND PROFILES SHEETS. PROPOSED WATER LINES SHALL BE CONSTRUCTED WITH MINIMUM COVER OF 4 FEET. PROPOSED WATER LINE EMBEDMENT SHALL BE NCTCOG CLASS 'B-3' AS AMENDED BY THE CITY OF ROCKWALL'S PUBLIC WORKS STANDARDS OF DESIGN AND CONSTRUCTION MANUAL.
- CONTRACTOR SHALL COORDINATE THE SHUTTING DOWN OF ALL WATER LINES WITH THE CITY OF ROCKWALL, PUBLIC WORKS, WATER DIVISION. THE CITY SHALL OPERATE ALL WATER VALVES.
- CONTRACTOR SHALL FURNISH AND INSTALL GASKET ON WATER LINES BETWEEN ALL DISSIMILAR METALS AND AT VALVES (BOTH EXISTING AND PROPOSED).
- ALL FIRE HYDRANTS AND VALVES REMOVED AND SALVAGED SHALL BE RETURNED TO THE CITY OF ROCKWALL MUNICIPAL SERVICE CENTER.

WATER LINE NOTES CONT.

- BLUE EMS PADS SHALL BE INSTALLED AT EVERY CHANGE IN DIRECTION, VALVE AND SERVICE TAP ON THE PROPOSED WATER LINE AND EVERY 250'.
- CONTRACTOR TO INSTALL NEW METER BOXES AND ALL FITTINGS EXCEPT FOR THE METERS PER EACH SERVICE COMPLETE INCLUDING CONNECTION TO THE MAIN LINE.
- EXISTING METER AND METER BOXES, AND VALVE STEM AND COVERS NOT SPECIFICALLY CALLED TO BE RELOCATED SHALL BE ADJUSTED TO MATCH FINAL GRADES (NO PAY ITEM). ANY METER IN PAVEMENT SHALL HAVE A TRAFFIC RATED LID.

WASTEWATER LINE NOTES

- THE CONTRACTOR SHALL MAINTAIN EXISTING WASTEWATER SERVICE AT ALL TIMES DURING CONSTRUCTION.
- PROPOSED WASTEWATER LINE EMBEDMENT SHALL BE NCTCOG CLASS 'B-2' AS AMENDED BY THE CITY OF ROCKWALL'S PUBLIC WORKS STANDARD DESIGN AND CONSTRUCTION MANUAL.
- GREEN EMS PADS SHALL BE INSTALLED AT EVERY MANHOLE, CLEAN OUT AND SERVICE LATERAL ON PROPOSED WASTEWATER LINES.
- ALL EXISTING WASTEWATER SERVICES SHALL BE TRANSFERRED FROM WASTEWATER LINES BEING ABANDONED TO PROPOSED WASTEWATER LINES. TRANSFERRING WASTEWATER SERVICES SHALL INCLUDE DOUBLE CLEAN OUTS AT THE PROPERTY LINES, CAPS, TEES, WYES, PLUGS AND CONNECTION. PAYMENT FOR TRANSFERRING WASTEWATER SERVICES SHALL BE PAID PER EACH, UNDER THE APPROPRIATE BID SCHEDULE ITEM.
- CONTRACTOR SHALL CCTV ALL EXISTING WASTEWATER LINES THAT ARE TO BE ABANDONED TO ENSURE THAT ALL LATERALS ARE ACCOUNTED FOR AND TRANSFERRED TO PROPOSED WASTEWATER LINES. (NO SEPARATE PAY)
- EXISTING MANHOLES AND CLEANOUTS NOT SPECIFICALLY CALLED TO BE RELOCATED SHALL BE ADJUSTED TO MATCH FINAL GRADES (NO PAY ITEM).

PAVING NOTES

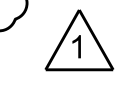
- ALL PAVING ROADWAY SECTIONS THICKNESS, STRENGTH, REINFORCEMENT, JOINT TYPE, JOINT SPACING AND SUBGRADE TREATMENT SHALL MATCH THE TYPICAL SECTIONS AND DETAILS CALLED OUT IN THE PLANS. IF NOT CALLED OUT ON THE PLANS ALL CONCRETE PAVING SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF TABLE 2.3 IN THE STANDARDS OF DESIGN AND CONSTRUCTION.
- REINFORCING STEEL SHALL BE TIED (100%). REINFORCING STEEL SHALL BE SET ON PLASTIC CHAIRS. BAR LAPS SHALL BE MINIMUM 30 DIAMETERS. SAWED TRANSVERSE DUMMY JOINTS SHALL BE SPACED EVERY 15 FEET OR 1.25 TIME LONGITUDINAL BUTT JOINT SPACING WHICHEVER IS LESS. SAWING SHALL OCCUR WITHIN 5 TO 12 HOURS AFTER THE POUR INCLUDING SEALING. OTHERWISE THE SECTION SHALL BE REMOVED AND LONGITUDINAL BUTT JOINT CONSTRUCTED.
- ALL PROPOSED HMA STREET PAVEMENT SHALL CONSIST OF 4 INCHES OF TYPE B (BASE) WITH 2 INCHES OF TYPE D (SURFACE) ON TOP OF 6" FLEX BASE (IF NOT SPECIFIED IN THE PLANS)
- NO SAND SHALL BE ALLOWED UNDER ANY PAVING.
- CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT.
- FLY ASH MAY BE USED IN CONCRETE PAVEMENT LOCATIONS PROVIDED THAT THE MAXIMUM CEMENT REDUCTION DOES NOT EXCEED 20% BY WEIGHT PER C.Y. OF CONCRETE. THE FLY ASH REPLACEMENT SHALL BE 1.25 LBS PER 1.0 LB CEMENT REDUCTION.
- ALL CURB AND GUTTER SHALL BE INTEGRAL (MONOLITHIC) WITH THE PAVEMENT.
- ALL FILL SHALL BE COMPACTED BY SHEEP'S FOOT ROLLER TO A MINIMUM 95% STANDARD PROCTOR. MAXIMUM LOOSE LIFT FOR COMPACTION SHALL BE 8 INCHES. ALL LIFTS SHALL BE TESTED FOR DENSITY BY AN INDEPENDENT LABORATORY APPROVED BY THE CITY.
- ALL PROPOSED SIDEWALKS SHALL INCLUDE BARRIER FREE RAMPS AT INTERSECTING STREETS, ALLEYS, ECT. BARRIER FREE RAMPS SHALL MEET CURRENT CITY AND ADA REQUIREMENTS AND BE APPROVED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR).
- SIDEWALKS SHALL BE DOWELED INTO PAVEMENT WHERE IT ABUTS CURBS AND DRIVEWAYS. EXPANSION JOINT MATERIAL SHALL BE USED AT THESE LOCATIONS (NO PAY ITEM).
- ALL CONNECTION OF PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT SHALL INCLUDE A LONGITUDINAL BUTT JOINT AS THE LOAD TRANSFER DEVICE. CONCRETE SAW CUTS FOR ALL DRIVEWAYS AND SIDEWALKS SHALL BE SUBSIDIARY TO THE APPROPRIATE BID ITEM FOR DRIVEWAY AND SIDEWALK REPLACEMENT. ALL LONGITUDINAL BUTT JOINTS SHALL BE CLEAN, STRAIGHT AND SMOOTH (NOT JAGGED IN APPEARANCE)

PAVING NOTES CONT.

- THERE SHALL BE NO SEPARATE PAYMENT FOR SUBGRADE PREPARATION UNDER DRIVEWAY AND SIDEWALK AREAS AND ALL COST SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF THE BID SCHEDULE.
- CRACKS FORMED IN CONCRETE PAVEMENT SHALL BE REPAIRED OR REMOVED BY THE CONTRACTOR AT THE CITY'S DISCRETION.

DRAINAGE/STORM SEWER NOTES

- THE CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PONDING OF WATER IN STREETS, DRIVES, TRENCHES, ETC. WILL NOT BE ALLOWED. EXISTING DRAINAGE WAYS SHALL NOT BE BLOCKED OR REMOVED UNLESS EXPLICITLY STATED IN THE PLANS OR WRITTEN APPROVAL IS GIVEN BY THE CITY.
- ALL STRUCTURAL CONCRETE SHALL BE CLASS "C" (4200 PSI COMPRESSIVE STRENGTH AT 28 DAYS MINIMUM 7.0 SACK), AIR ENTRAINED, UNLESS NOTED OTHERWISE.
- PROPOSED STORM SEWER EMBEDMENT SHALL BE NCTCOG CLASS 'B' AS AMENDED BY THE CITY OF ROCKWALL'S PUBLIC WORKS, ENGINEERING DIVISION STANDARDS OF DESIGN AND CONSTRUCTION MANUAL.
- ALL STORM PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP), CLASS III, UNLESS OTHERWISE NOTED.

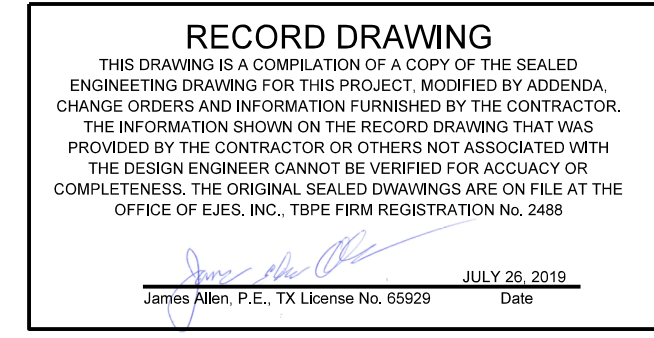


LEGEND

- = SSWR-FTTG
- = TRAFFIC LIGHT
- = SIGN
- = COMMUNICATION EQUIP
- = WATER VALVE
- = WATER METER
- = IRRIGATION EQUIP
- = ELECTRIC
- = GAS METER
- = POWER POLE
- = BORE
- = GAS
- = POWER JUNCTION BOX
- = POWER INST
- = MAIL BOX
- = LIGHT
- = SAN SEWER MANHOLE
- = STORM MANHOLE
- = WATER MANHOLE
- = COMMUNICATION PEDESTAL
- = FIRE HYDRANT
- = TRAFFIC SIGNAL BOX
- = OVERHEAD POWER
- = POWER POLE GUYS
- = ELECTRIC METER
- = GRATE
- = POST OFFICE LIGHT
- = PROPERTY CORNER



\$DATES



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GENERAL NOTES						
E. BOYDSTUN AVE.						
FROM S. GOLIAD ST TO S. CLARK ST						
PUBLIC WORKS DEPARTMENT						
CITY OF ROCKWALL, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	SHEET NO.
EJES	EJES	MAY 2017				2A

ADDENDUM 1: 9-22-2017