

GENERAL CONSTRUCTION NOTES

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF ROCKWALL DESIGN STANDARDS. IF NO CITY STANDARD IS AVAILABLE, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE "NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS PUBLIC WORKS CONSTRUCTION STANDARDS - 3rd Edition"
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIALS, LABOR, AND EQUIPMENT TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL ITEMS DESCRIBED IN THE PLANS, SPECIFICATIONS, OR THE PROJECT NOTES IN THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S BASE BID. NO EXTRA PAY WILL BE GIVEN UNLESS AN ITEM IS SPECIFICALLY DESCRIBED IN THE PLANS OR CONTRACT DOCUMENTS AS "PAY BY OWNER". ALL WORK SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THIS PROJECT.
- THE CONTRACTOR SHALL CONTACT ALL FRANCHISE UTILITY COMPANIES AND CALL "811" TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND DEPTH OF ALL FRANCHISE UTILITY SERVICES AND ANY REQUIRED RELOCATION AND/OR EXTENSIONS.
- THE CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, POWER POLES, SIGNS, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER GRADE BY THE CONTRACTOR PRIOR TO AND AFTER PLACING OF PERMANENT PAVING AND CUT / FILL. UTILITIES MUST BE MAINTAINED TO PROPER ALIGNMENT AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.
- BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF UNDERGROUND STRUCTURES AND CONDUITS.
- THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE CONTRACTOR SHALL PRESERVE AND PROTECT PUBLIC UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN PROPOSED UTILITY GRADES CONFLICT WITH EXISTING UTILITY GRADES. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COSTS ASSOCIATED WITH RELOCATIONS, REPAIRS, OR OUTAGES.
- THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY, INCLUDING, BUT NOT LIMITED TO FENCES, WALLS, PAVEMENT, GRASS, TREES, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED) AND IS NOT A SEPARATE PAY ITEM.
- THE CONTRACTOR SHALL REMOVE SURPLUS MATERIAL FROM THE PROJECT AREA. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER, CITY AND THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
- TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY, APPROVED BY THE OWNER, FOR TESTING MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE, BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS, AND PROJECT SPECIFICATIONS.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS SHALL BE SENT TO THE ARCHITECT, CIVIL ENGINEER, CONTRACTOR, CITY ENGINEERING INSPECTOR AND OWNER DIRECTLY FROM THE TESTING AGENCY.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUM PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
- CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE ENGINEER A COPY OF RECORD DRAWINGS IDENTIFYING ALL DEVIATIONS OR VARIATIONS FROM THE ORIGINAL PLANS.
- CONTRACTOR SHALL GIVE NOTICE TO ALL AFFECTED PARTIES AND ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES OR RAILROADS AFFECTED BY HIS OPERATIONS, PRIOR TO COMMENCEMENT OF WORK.
- IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE A COMPLETE INSTALLATION OF SYSTEMS IN EVERY RESPECT. IF THE CONTRACT DOCUMENTS DO NOT SUFFICIENTLY DESCRIBE THE FINAL PRODUCT, THE CONTRACTOR SHALL BRING SUCH TO THE ATTENTION OF THE ENGINEER, UNLESS OTHERWISE SPECIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR METHODOLOGY OF CONSTRUCTION TO COMPLETE THE WORK INDICATED OR SPECIFIED. CONTRACTOR IS TO PROVIDE ALL LABOR, MATERIALS, FUEL, TEMPORARY UTILITIES, AND EQUIPMENT USUALLY FURNISHED WITH SUCH SYSTEMS OR REQUIRED TO COMPLETE THE INSTALLATION, WHETHER SPECIFICALLY MENTIONED OR NOT.
- CONTRACTOR SHALL COMPLY WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS AND REGULATIONS, AS WELL AS ANY OTHER APPLICABLE FEDERAL, STATE, OR LOCAL HEALTH AND SAFETY STANDARDS, LAWS, OR REGULATIONS. FAILURE TO COMPLY WITH THE REQUIREMENTS SPECIFIED SHALL BE CONSIDERED JUST AND SUFFICIENT CAUSE FOR OWNER TO STOP WORK. ENGINEER SHALL NOT BE RESPONSIBLE FOR ON-SITE SAFETY CONDITIONS DURING CONSTRUCTION OR INSPECTIONS.
- CONTRACTOR SHALL COMPLY WITH TEXAS HEALTH AND SAFETY CODE, CURRENT EDITION AS OF THE DATE OF SEAL ON THESE PLANS, TO MAINTAIN A Viable TRENCH SAFETY SYSTEM AT ALL TIMES AS WELL AS THE U.S. DEPARTMENT OF LABOR, OSHA, "CONSTRUCTION SAFETY AND HEALTH REGULATIONS", PART 1926, SUB PART P, AND AMENDMENTS THERETO. SHEETING, SHORING, BRACING, AND OTHER TRENCH SAFETY COSTS SHALL BE SUBSIDIARY TO THE COST CONSTRUCTION (NO EXTRA PAY).

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. THE CONTRACTOR SHALL USE SEDIMENT FILTERS OR OTHER MEASURES APPROVED BY THE ENGINEER AND CONSTRUCTION MANAGER TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM CLOGGING STORM SEWER PIPES OR PROPOSED OR EXISTING INLETS, OR FROM BEING TRANSPORTED TO ADJACENT PROPERTIES AND STREET RIGHT-OF-WAYS. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL FINAL GRADING AND PAVING IS COMPLETE AND PERMANENT SOIL STABILIZATION IS ACHIEVED BY MEANS OF PAVEMENT AND VEGETATION OR OTHER PERMANENT EROSION CONTROL MEASURES.
- CONTRACTOR SHALL REFERENCE EROSION CONTROL PLAN NOTES AND SPECIFICATIONS FOR GENERAL STORMWATER POLLUTION PREVENTION AND BEST MANAGEMENT PRACTICES (BMP) BECAUSE EROSION CONTROL AND BMPs ARE CLOSELY TIED TO MEANS AND METHODS OF CONSTRUCTION. ENGINEER SHALL NOT BE HELD LIABLE, WHETHER JOINT OR SEVERABLE, FOR FINES RELATED TO THE STORMWATER POLLUTION PREVENTION, OUTSIDE OF THE CONTROLS ON THE SEALED EROSION CONTROL PLAN IN THIS SET.
- CONSTRUCTION OPERATIONS SHALL BE MANAGED SO THAT AS MUCH OF THE SITE AS POSSIBLE IS LEFT COVERED WITH EXISTING TOPSOIL AND VEGETATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE SEED (OR SODDED), IRRIGATED, AND MAINTAINED UNTIL PERMANENT STAND, MINIMUM 1", OF GRASS IS ACHIEVED WITH A MINIMUM OF 75% COVERAGE PRIOR TO CITY ACCEPTANCE. UNLESS OTHERWISE NOTED, PRIVATE LAWN AREAS AND PARKWAYS IN FRONT OF PRIVATE LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE REPLACED WITH BLOCK SOD SIMILAR TO THAT EXISTING. LANDSCAPE AREAS OUTSIDE OF PARKING SHALL BE STABILIZED IMMEDIATELY AFTER PARKING PLACEMENT. FAILURE TO BEGIN STABILIZATION OF THESE AREAS MAY RESULT IN DELAYS FOR BUILDING PAD. RIGHT OF WAY SHALL BE SODDED PRIOR TO CITY ACCEPTANCE.
- THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE/EXIT AT ALL POINTS OF CONSTRUCTION ACCESS TO THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION TRAFFIC UTILIZES THE STABILIZED ENTRANCE AT ALL TIMES FOR INGRESS/EGRESS TO THE SITE. SEDIMENTS TRACKED ONTO EXISTING ROADWAYS SHALL BE REMOVED IMMEDIATELY.
- SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY SHALL BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. A WHEEL WASH SYSTEM MAY BE INCORPORATED INTO THE STABILIZED CONSTRUCTION ENTRANCE/EXIT. ALL FINES IMPOSED FOR TRACKING OF SEDIMENT ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEMANDS NECESSARY, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ACCUMULATED SILT IN ANY EROSION CONTROL DEVICE SHALL BE REMOVED AND SHALL BE DISTRIBUTED ON SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL DEVICE WHICH IS DISTURBED.
- THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE FILTER BARRIER (OR OTHER METHOD APPROVED BY THE ENGINEER AND APPLICABLE AUTHORITY) AS REQUIRED TO PREVENT ADVERSE OFF SITE IMPACTS OR STORM WATER QUALITY FROM SILT AND CONSTRUCTION DEBRIS FLOWING ONTO ADJACENT PROPERTIES AS REQUIRED BY THE APPLICABLE AUTHORITY.
- BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF CONSTRUCTION AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROTECT AND PRESERVE CONTROL POINTS AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE GRADING CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.

PAVING AND STRIPING NOTES

- TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY, APPROVED BY THE OWNER, FOR TESTING MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE, BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS, AND PROJECT SPECIFICATIONS.
- ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (TMUTCD).
- RAISED PAVEMENT MARKERS SHALL BE BONDED TO THE ROADWAY SURFACE WITH ADHESIVE CONFORMING WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE PAVEMENT UPON WHICH THE LANE AND PAVEMENT MARKERS ARE TO BE PLACED SHALL BE PREPARED TO THE APPROVAL OF THE INSPECTOR TO ENSURE PROPER CLEANING OF THE PAVEMENT SURFACE.
- ALL TRAFFIC STRIPING SHALL BE CHLORINATED RUBBER TRAFFIC PAINT OR APPROVED EQUAL.
- SIGN LOCATIONS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION STANDARDS. THE CONTRACTOR SHALL REVIEW LOCATION OF ALL TRAFFIC CONTROL DEVICES WITH THE APPLICABLE JURISDICTION PRIOR TO INSTALLATION.
- THE PAVING CONTRACTOR SHALL REFER TO THE IRRIGATION PLANS AND M.E.P. PLANS FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LINES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN THE PARKING LOT AND AROUND THE BUILDING AS SHOWN ON THE PLANS.
- FIRE LINES SHALL BE MARKED BY PAINTED LINES OF RED TRAFFIC PAINT SIX (6) INCHES IN WIDTH TO SHOW THE BOUNDARIES OF THE LANE. THE WORDS "NO PARKING FIRE LANE" OR "FIRE LANE NO PARKING" SHALL APPEAR IN FOUR (4) INCH WHITE LETTERS AT 20 FEET INTERVALS ON THE RED BORDER MARKINGS ALONG BOTH SIDES OF THE FIRE LANE.
- CURBS ADJACENT TO FIRE LINES SHALL BE PAINTED BRIGHT RED IN COLOR FROM THE CURB'S GUTTER LINE TO THE TOP, BACK OF CURB.
- ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE 2012 TEXAS ACCESSIBILITY STANDARDS AND 2010 AMERICANS WITH DISABILITIES ACT (BOTH MANDATORY MARCH 15, 2012), AND ALL ADDENDUMS OR UPDATES.
- THE CONTRACTOR SHALL SUBMIT A PAVEMENT JOINTING PLAN TO THE ENGINEER AND OWNER PRIOR TO THE BEGINNING OF ANY CONCRETE PAVING WORK.
- ANY EXISTING CONCRETE OR ASPHALT TO BE REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR OFF SITE. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
- THE PAVING CONTRACTOR AND THE UTILITY CONTRACTOR SHALL COORDINATE WITH THE BUILDING CONTRACTORS TO ENSURE THAT ALL UTILITY SERVICE CONNECTIONS AND CONDUITS ARE IN PLACE PRIOR TO BEGINNING ANY PAVING ACTIVITIES.

WATER AND SANITARY SEWER NOTES

- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WHERE PROPOSED UTILITIES ARE BEING CONNECTED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF A CONFLICT IS DISCOVERED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN, COORDINATING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING AND/OR CROSSING OTHER UTILITIES.
- ALL UTILITY CONSTRUCTION, WATER TAPS, VALVES, MANHOLES, AND SERVICES SHALL BE INSTALLED BY THE CONTRACTOR AFTER APPROVAL FROM THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION AND SHALL CONFORM TO ALL GUIDELINES AND REGULATIONS SET FORTH BY THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
- ALL FIRE LINES AND APPURTENANCES USED FOR FIRE PROTECTION SHALL CONFORM TO THE CURRENT THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS. DESIGN AND INSTALLATION OF ALL FIRE PROTECTION SYSTEMS SHALL BE DONE BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR.
- ALL WATER MAINS 6"-12" DIA. SHALL MAINTAIN A MINIMUM COVER IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS UNDER UNPAVED FINISHED GRADE & PROPOSED OR EXISTING PAVEMENT. ALL SEWER MAINS SHALL MAINTAIN A MINIMUM COVER OF THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS.
- ALL SANITARY SEWER LINES SHALL BE A MINIMUM OF PVC (SDR-35) PIPE. ALL SANITARY SEWER LINES DEEPER THAN 10 FEET SHALL BE SDR-25. ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE, OR LOCAL JURISDICTION REGULATIONS.
- THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION TO AVOID INTERRUPTION OF WATER AND SANITARY SEWER SERVICE TO SURROUNDING AREAS.
- EXISTING AND/OR PROPOSED WATER MAINS SHALL BE LOWERED BELOW OR ABOVE PROPOSED SANITARY AND STORM SEWER LINES TO MAINTAIN A MINIMUM OF 2.0 FEET OF VERTICAL SEPARATION. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 9'-FEET (OUTSIDE TO OUTSIDE) SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
- EXISTING MANHOLE TOPS, VALVE BOXES, FIRE HYDRANTS AND ALL OTHER UTILITY APPURTENANCES SHALL BE ADJUSTED, AS REQUIRED, TO MATCH PROPOSED GRADES AS SHOWN ON GRADING PLAN. S.S. MANHOLES IN UNPAVED AREAS SHALL BE ADJUSTED TO BE 6" ABOVE ADJACENT GRADE.
- FOR EACH SEWER AND WATER CROSSING, CONTRACTOR SHALL CENTER ONE JOINT OF SEWER PIPE ON THE EXISTING OR PROPOSED WATER MAIN.
- FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED ON THE BUILDING NO LESS THAN 18", OR NO MORE THAN 48" ABOVE ADJACENT GRADE.
- THE CONTRACTOR SHALL INSTALL CONCRETE COLLARS (OR OTHER APPROVED MEANS) ON THE UNDERGROUND UTILITIES, TO PREVENT GROUND WATER FROM MIGRATING IN THE UTILITY TRENCH, BELOW THE BUILDING SLAB.
- ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING, UNLESS OTHERWISE NOTED, AND THE END OF THESE SERVICES SHALL BE TIGHTLY PLUGGED OR CAPPED. SEE M.E.P. OR ARCHITECTURAL PLANS FOR CONTINUATION.
- ALL WATER LINES TO BE C900 CLASS 200 OR 14.

15. Contractor shall install blue EM's markers on the water line at every change in direction, valve, fire hydrant, or service connection.
16. Contractor shall install green EM's markers on the sanitary sewer line at every change in direction, manhole, cleanout, and service connection.

GRADING NOTES

- NO SLOPES SHALL BE GREATER THAN 3:1 UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN PAVED AREAS. CONTRACTOR FIELD ADJUSTMENTS TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE ARE ALLOWED WITH THE PRIOR APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PAVING, IF ANY AREAS OF POOR DRAINAGE ARE ENCOUNTERED OR ANTICIPATED.
- THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CALCULATE THEIR OWN EARTHWORK QUANTITIES TO DETERMINE THEIR BID. ANY DEVIATION FROM A BALANCED CUT AND FILL SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER AND ANY VARIANCE SHALL BE SPECIFICALLY ITEMIZED ON THE BID. THE CONTRACTOR IS EXPECTED TO CONSTRUCT THE PROJECT PER THE APPROVED GRADING PLAN. DISCREPANCIES IN EARTHWORK QUANTITIES AFTER BEGINNING CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL REFERENCE THE ARCHITECTURAL, STRUCTURAL PLANS, SPECIFICATIONS, AND GEOTECHNICAL REPORT FOR ALL BUILDING PADS.
- TOP AND TOE SPOTS INDICATE FINAL GROUND ELEVATION AT HIGH SIDE AND THE LOW SIDE, RESPECTIVELY, OF THE WALL OR SLOPE (NOT ANY PHYSICAL ELEVATIONS OF THE WALL STRUCTURE). RETAINING WALL DESIGN IS NOT INCLUDED IN THESE PLANS.
- ALL FILL TO BE COMPACTED TO A MINIMUM 95% STANDARD DENSITY USING A SHEEP'S FOOT ROLLER.

TRAFFIC CONTROL NOTES

- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS PRIOR TO ANY WORK IN A PUBLIC RIGHT-OF-WAY, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS.
- ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), LATEST VERSION.
- THE CONTRACTOR SHALL COVER EXISTING SIGNS AND OBLITERATE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE INTENT OF TRAFFIC CONTROL PLANS TO AVOID CONFUSION TO THE TRAVELING PUBLIC.
- ALL TEMPORARY SIGNS, BARRICADES, WARNING LIGHTS AND OTHER MISCELLANEOUS TRAFFIC CONTROL MEASURES SHALL BE REMOVED AND PERMANENT TRAFFIC CONTROL MEASURES, SIGNS, AND PAVEMENT MARKINGS REPLACED AT THE END OF THE CONTRACTOR'S CONSTRUCTION OPERATIONS.
- TRAFFIC BARRICADES WILL BE REQUIRED AT ALL PROPOSED DRIVEWAY CONNECTIONS TO STREETS. BARRICADES SHALL CONFORM TO THE INSTALLATION SHOWN IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), LATEST VERSION.
- CONTRACTOR SHALL OBTAIN LANE CLOSURE PERMITS WHEN REQUIRED.
- CONTRACTOR SHALL COVER STREET EXCAVATIONS WITH ADEQUATELY ANCHORED STEEL PLATES DURING NONWORKING HOURS AND OPEN LANES OF TRAFFIC FLOW.
- APPROVED COPIES OF "TRAFFIC CONTROL PLANS" AND LANE/SIDEWALK CLOSURE PERMITS SHALL BE AVAILABLE FOR INSPECTION AT JOB SITE AT ALL TIMES.

FRANCHISE UTILITY NOTES

- CONTRACTOR SHALL CONTACT FRANCHISE UTILITY COMPANIES PRIOR TO CONSTRUCTION, IN ORDER TO LOCATE AND/OR DISCONNECT EXISTING SERVICES, AND TO COORDINATE NEW SERVICE.
- ANY PROPOSED FRANCHISE UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE CONCEPTUAL ONLY. THE CONTRACTOR SHALL COORDINATE THE EXACT DESIGN, ALIGNMENT, INSTALLATION REQUIREMENTS AND COST SHARING ARRANGEMENTS WITH THE INDIVIDUAL UTILITY PROVIDERS AND THE PROJECT OWNER.
- THE CONTRACTOR SHALL INCLUDE IN THE BASE BID, ALL ASSOCIATED COSTS TO INSTALL FRANCHISE UTILITY (GAS, ELEC, PHONE, CABLE) SERVICE TO THE PROPOSED BUILDING. THE CONTRACTOR SHALL ESTABLISH ADEQUATE LEAD TIME IN THEIR CONSTRUCTION SCHEDULE FOR COORDINATING AND PROCURING FRANCHISE UTILITY SERVICES.

ACCESSIBILITY NOTES

- IT IS THE ENGINEER'S INTENT THAT SURFACES AT ACCESSIBLE PARKING SPACES, AT DROP OFF AND PICK UP AREAS, ALONG ACCESSIBLE ROUTES, AND AT BUILDING ENTRANCES OR EXITS ARE CONSTRUCTED SUCH THAT THOSE SURFACES SHALL HAVE A SLOPE NOT GREATER THAN 2.00% IN ANY DIRECTION AND NOT LESS THAN 1.00% IN THE DIRECTION OF STORM WATER RUNOFF. HOWEVER, LONGITUDINAL SLOPES ALONG ACCESSIBLE ROUTES MAY BE INCREASED TO NOT MORE THAN 5.00% IF SO INDICATED BY THE ENGINEER'S GRADING PLAN.
- IN CASE OF DISCREPANCY WITH SPOT ELEVATIONS OR ELEVATION CONTOURS, THE ENGINEER'S INTENT DESCRIBED IN THIS NOTE SHALL GOVERN. THE CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS IN COMPLIANCE WITH THE ENGINEER'S INTENT AS DESCRIBED IN THIS NOTE UNLESS THE CONTRACTOR HAS COORDINATED WITH THE ENGINEER AND RECEIVED WRITTEN AUTHORIZATION TO PROCEED OTHERWISE.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AS A PART OF THE CONTRACTOR'S CONSTRUCTION OVERSIGHT DUTIES, TO THOROUGHLY REVIEW ALL PROPOSED SLOPES AND ELEVATIONS PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF PLAN DISCREPANCIES OR DISCREPANCIES BETWEEN THE PLANS AND THE RULE DESCRIBED IN "ACCESSIBILITY NOTE 1", PRIOR TO CONSTRUCTION, AND THE CONTRACTOR SHALL ALLOW THE ENGINEER TIME TO REVIEW THE PLANS AND MAKE REVISIONS IF NECESSARY.
 - THE ENGINEER'S PLANS HAVE BEEN PREPARED WITHOUT THE BENEFIT OF DETAILS REGARDING THE THRESHOLD TO BE INSTALLED AT BUILDING INGRESS/EGRESS LOCATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE ARCHITECT OF THE BUILDING TO ENSURE THAT ELEVATION DIFFERENCES BETWEEN THE BUILDING'S FINISHED FLOOR, THE THRESHOLD, AND THE FLATWORK ADJACENT TO THE BUILDING ARE IN COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY REQUIREMENTS.
 - THE CONTRACTOR SHALL ENSURE THAT THERE IS POSITIVE DRAINAGE AWAY FROM THE BUILDING AT ALL LOCATIONS.
 - IT IS IMPERATIVE THAT THE CONTRACTOR COORDINATE ACCESSIBILITY CONCERNS WITH THE ENGINEER AND ARCHITECT PRIOR TO CONSTRUCTING THE IMPROVEMENTS. IF THE CONTRACTOR FAILS TO ADEQUATELY COORDINATE WITH THE ENGINEER AND THE ARCHITECT PRIOR TO CONSTRUCTING IMPROVEMENTS, ANY EXTRA COSTS TO RECTIFY ACCESSIBILITY ISSUES WILL BE AT CONTRACTOR'S SOLE EXPENSE, AND THE CONTRACTOR SHALL, WITH NO EXTRA PAY, PERFORM RE-WORK SUCH AS DEMOLITION, REMOVAL, RE-GRADING, AND REPLACEMENT OF ANY CONCRETE, ASPHALT, COMPACTED EARTH OR OTHER SURFACES, AND ALL OTHER RELATED IMPROVEMENTS, WHICH HAVE BEEN CONSTRUCTED BY CONTRACTOR OR CONTRACTOR'S SUB-CONTRACTOR THAT DO NOT COMPLY WITH ALL APPLICABLE CODES AND ACCESSIBILITY REQUIREMENTS.

NOTES TO CONTRACTOR

- INFORMATION ON THIS SHEET AND OTHER SHEETS THROUGHOUT THIS PLAN SET IS PART OF A UNIFIED DESIGN. THE CONTRACTOR SHALL NOT SEPARATE DRAWINGS FROM THE SET FOR DISTRIBUTION TO SPECIFIC DISCIPLINES. EACH SUBCONTRACTOR SHALL BE PROVIDED WITH ALL SHEETS WITHIN THIS PLAN SET.
- CONTRACTOR SHALL REFERENCE ALL IRRIGATION PLANS, MEP SITE PLANS, AND CIVIL ENGINEERING UTILITY PLANS FOR INFORMATION REGARDING SLEEVES BENEATH PAVEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL FRANCHISE UTILITY COMPANIES AND ENSURING ALL NECESSARY UTILITIES ARE AVAILABLE FOR THIS PROJECT. THE CONTRACTOR SHALL REFERENCE MEP FOR SPECIFIC INFORMATION REGARDING SITE ELECTRICITY, GAS, DATA, COMMUNICATION, ETC.. DESIGN OF FRANCHISE UTILITIES IS NOT THE RESPONSIBILITY OF THE CIVIL ENGINEER. THEREFORE, ANY FRANCHISE UTILITIES DEPICTED IN THIS SET ARE CONCEPTUAL ONLY AND NOT INTENDED FOR CONSTRUCTION PURPOSES OR TO INDICATE FINAL FRANCHISE UTILITY LAYOUTS OR LOCATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE FRANCHISE UTILITY COMPANIES, THE OWNER, AND THE MEP ENGINEER TO ENSURE PROPER AND ADEQUATE INSTALLATION OF ALL NECESSARY UTILITIES TO SERVE THE PROJECT.



Know what's below.
Call before you dig.
(@ least 48 hours prior to digging)

BENCHMARK

SOURCE BENCHMARK: City of Rockwall monument No. Reset R005-1, Concrete monument with a brass cap stamped "Reset R005-1" found in the median of Summit Ridge Drive at the intersection of Summit Ridge Drive and F.M. Highway No. 740.
Elevation = 578.631'

BANNISTER
ENGINEERING

Hazel and Olive
503 North Goliad Street
Rockwall, Texas

GENERAL NOTES

No.	Date	Revision/Description



SHEET NO.

C-1.1

PROJECT NO.: 062-15-06