GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, TOWN OF ADDISON, TX STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OFFSITE OF ANY EXISTING PAVING AND STRUCTURES REMOVED.
- 4. BEFORE STARTING CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WHERE PROPOSED UTILITIES ARE BEING CONNECTED. THE LOCATION OF ALL UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY CONTRACTOR. IT SHALL BE THE DUTY AND RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF A DISCREPANCY AND/OR CONFLICT IS DISCOVERED. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION.
- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORD PLANS.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SURVEYING.
- 7. WATER AND SEWER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF ADDISON, TX STANDARDS AND SPECIFICATIONS.
- 8. ALL EXISTING TRAFFIC AND STREET SIGNS DISTURBED SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES, UTILITIES, AND SERVICES PRIOR TO EXCAVATION AND CONSTRUCTION.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANIES FOR THE RELOCATION OF ANY EXISTING
- 11. CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES.
- 12. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND REVIEW ALL FIELD CONDITIONS, INCLUDING EXISTING GRADES AND UTILITY FLOW LINES, AND SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
- 13. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO COST TO THE OWNER.
- 14. ALL EXISTING SHRUBS, TREES, PLANTING, AND OTHER VEGETATION, OUTSIDE OF PROPERTY LIMITS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUIVALENT MATERIAL BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER
- 15. THE CONTRACTOR SHALL CONSTRUCT SILT SCREENS OR OTHER APPROVED DEVICES PRIOR TO CONSTRUCTION TO PREVENT ADVERSE OFF SITE IMPACT OF STORM WATER QUALITY, AS REQUIRED BY THE TOWN OF ADDISON, TX. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
- 16. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS OFFSITE FROM THE EXISTING ROADWAYS AND PROJECT SITE THAT ARE A RESULT OF THE PROPOSED CONSTRUCTION AS REQUESTED BY THE TOWN OF ADDISON, TX. AS A MINIMUM, THIS TASK SHOULD OCCUR ONCE A WEEK.

THE EROSION CONTROL DEVICES SHOULD REMAIN IN PLACE, WHERE PRACTICAL, UPON COMPLETION OF CONSTRUCTION.

- 17. CONNECTIONS TO EXISTING FACILITIES SHALL BE ACCOMPLISHED IN A NEAT AND PROFESSIONAL MANNER. WHEN FIELD CONDITIONS INDICATE ANY VARIANCE FROM DETAILED METHODS, THE CONTRACTOR SHALL PROVIDE COMPREHENSIVE AND DETAILED DRAWINGS (FOR APPROVAL) OF METHODS PROPOSED.
- 18. WATER SHALL NOT BE PERMITTED IN OPEN TRENCHES DURING CONSTRUCTION.
- 19. CONTRACTOR SHALL CONTACT THE TOWN INFRASTRUCTURE DEPARTMENT'S INSPECTOR ASSIGNED TO THIS PROJECT AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
- 20. CONTRACTOR IS RESPONSIBLE FOR GRASSING DISTURBED AREAS FROM BACK OF CURB TO THE RIGHT-OF-WAY AND AREAS OTHERWISE SPECIFIED ON THE PLANS.
- 21. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP WITH A MIN. ALLOWABLE STRENGTH OF 4,200 PSI.
- 22. ALL PRIVATE LANDSCAPE AREA DRAINS SHALL BE OF MATERIAL APPROVED BY BOTH ENGINEER AND TOWN OF ADDISON, TX.
- 23. CONTRACTOR IS TO CONSTRUCT A STABILIZED CONSTRUCTION EXIT AT ALL PRIMARY POINTS OF ACCESS. THIS STABILIZED EXIT SHALL BE CONSTRUCTED PER TOWN STANDARDS.
- 24. ANY WATER OR SANITARY SEWER SERVICE LOCATED OUTSIDE OF A STREET, ALLEY, OR EASEMENT SHALL BE INSTALLED BY A PLUMBER AND BE INSPECTED BY CODE ENFORCEMENT.
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TRENCH SAFETY PLAN TO THE TOWN OF ADDISON, TX INFRASTRUCTURE DEPARTMENT AT THE TIME OF THE PRECONSTRUCTION MEETING, OR PRIOR TO BEGINNING CONSTRUCTION OF THESE IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH TOWN STANDARDS, TEXAS STATE LAW, AND O.S.H.A. STANDARDS FOR ALL EXCAVATION IN EXCESS OF FIVE FEET IN DEPTH. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT WITHOUT THE PRIOR SPECIFIC WRITTEN APPROVAL OF THE TOWN OF ADDISON, TX INFRASTRUCTURE DEPARTMENT. ONSITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 26. DURING CONSTRUCTION, ALL MATERIAL TESTING SHALL BE COORDINATED WITH THE TOWN OF ADDISON, TX'S CONSTRUCTION INSPECTOR.
- 27. CONTRACTOR SHALL CONTACT THE TOWN ENGINEER, OR HIS DESIGNER, TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THE TOWN MAY REQUIRE.
- 28. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH TOWN SPECIFICATIONS FOR PAVING CONSTRUCTION, COMPACTION REQUIREMENTS, AND SUBGRADE PREPARATION.
- 29. CONTRACTOR TO REVIEW DESIGN INTENT OF THESE PLANS AND SUBMIT REQUESTS-FOR-INFORMATION IN A TIMELY MANNER PRIOR TO COMMENCING THAT WORK.
- 30. ALL APPURTENANCES INSTALLED IN PAVEMENT AREAS SHALL BE ADJUSTED AS REQUIRED TO BE FLUSH WITH FINISHED PAVEMENT.
- 31. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR IMPLEMENTING THE TRAFFIC CONTROL PLAN.

STORM DRAINAGE

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A TRENCH EXCAVATION PROTECTION PLAN, SEALED BY AN ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR ALL TRENCHES DEEPER THAN FIVE (5) FEET.
- 2. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
- 3. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
- 4. THE INSPECTOR SHALL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
- 5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION.
- 6. ALL PVC TO RCP CONNECTIONS SHALL BE CONSTRUCTED WITH CONCRETE COLLARS.
- 7. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND ANY SPECIAL PROVISION AS APPROVED BY THE TOWN OF ADDISON, TX.
- 8. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL STORM SEWER LINES AND OTHER LITH ITIES
- 9. EMBEDMENT FOR ALL ONSITE SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER TOWN OF ADDISON, TX STANDARD DETAILS.
- 10. REFER TO TNRCC/TCEQ DESIGN GUIDELINES (CHAPTER 290) FOR ALL UTILITY CROSSINGS.

GRADING

- 1. UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREAS REFLECT TOP OF PAVEMENT SURFACE. ADD .50' TO PAVING GRADE FOR TOP OF CURB GRADE. THE LIMITS OF EARTHWORK IN PAVED AREAS IS THE BOTTOM OF PAVEMENT.
- 2. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
- 3. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND TOWN) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION, AND SILTATION REQUIREMENTS. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION. CONTRACTOR IS RESPONSIBLE FOR FILING N.O.I. AND N.O.T. WITH THE TCEQ. CONTRACTOR SOLELY RESPONSIBLE FOR ALL MANDATED SWPPP RECORD KEEPING AND REPORTING.
- 4. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE GRADING CONTRACTOR AT HIS EXPENSE.
- 5. BEFORE ANY EARTHWORK IS PERFORMED, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- 6. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. THAT ARE TO REMAIN OR BE RELOCATED DURING ALL CONSTRUCTION PHASES.
- GRADING CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.
- 8. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE NOMINATION OF THE TESTING LABORATORY AND THE PAYMENTS FOR SUCH TESTING SERVICES SHALL BE MADE BY THE CONTRACTOR. THE OWNER SHALL APPROVE THE LABORATORY NOMINATED TO DO THE TESTING OF MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW BY STANDARD TESTING PROCEDURES THAT THE WORK CONSTRUCTED DOES MEET THE REQUIREMENTS OF THE TOWN'S SPECIFICATIONS AND THESE PLANS.
- 9. CONTRACTOR SHALL CALL 1-800-DIG-TESS AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION FOR FIELD LOCATIONS OF UTILITIES IN THE VICINITY OF THE SITE.
- 10. PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY.
- 11. REFER TO SITE PLAN AND FINAL PLAT FOR HORIZONTAL DIMENSIONS.
- 12. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS PRIOR TO CONSTRUCTION
- 13. NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR OWNER'S REPRESENTATIVE. EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE CONSTRUCTION
- 15. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.

PAVING

- 1. BARRIER FREE RAMPS SHALL BE CONSTRUCTED PER PROWAG (2011) STANDARDS.
- 2. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT ADDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 3. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT FOR PAVEMENT MARKINGS SHALL ADHERE TO TOWN OF ADDISON STANDARDS.
- 4. REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT INFORMATION.
- 5. REFER TO GEOTECHNICAL REPORT FOR REINFORCEMENT STEEL.
- 6. FIRE LANES SHALL BE DESIGNATED BY CONTINUOUS PAINTED LINES SIX (6) INCHES IN WIDTH ON EACH SIDE OF THE FIRE LANE STARTING AT THE ENTRANCE FROM THE STREET AND TO BE CONTINUED TO THE EXIT. SUCH LINES SHALL BE BRIGHT RED IN COLOR.
- 7. FIRE LANES ADJACENT TO CURBS SHALL BE OUTLINED BY A SIX (6) INCH WIDE RED STRIP WITH FOUR (4) INCH LETTERS PAINTED BRIGHT WHITE IN COLOR ALONG THE CURB'S GUTTER LINE.
- 8. THE WORDS "FIRE LANE" AND "NO PARKING" SHALL BE STENCILED IN FOUR (4) INCH HIGH WHITE LETTERS ALTERNATELY EVERY FIFTEEN (15) FEET ALONG THE RED FIRE LANE STRIPES.
- ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990 AND PROWAG (2011).
- 10. REFERENCE PROWAG OR TXDOT STANDARD CONSTRUCTION DETAILS FOR HANDICAP RAMP AND OTHER PAVING DETAILS.
- 11. REFERENCE LANDSCAPE PLANS FOR LOCATION AND TYPE OF HANDICAP RAMPS TO BE PROVIDED AND FOR FLATWORK.
- 12. SIDEWALKS ADJACENT TO CURB SHALL BE CONNECTED TO BACK OF CURB USING LONGITUDINAL BUTT JOINT PER TOWN OF ADDISON STANDARD DETAIL.
- 13. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE LOCATED OUT OF THE PEDESTRIAN AND AUTOMOBILE ROUTES AND SHALL BE LOCATED BETWEEN THREE TO FIVE FEET BEHIND THE NEAREST BACK OF CURB. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY.
- 14. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED, FIELD ADJUSTMENTS OF LOCATION AND ORIENTATION OF THE SIGNS ARE TO BE MADE TO ACCOMPLISH THIS.
- 15. CONTRACTOR RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTING, IRRIGATION, ETC. PRIOR TO PLACEMENT OF PAVEMENT. ALL CONSTRUCTION DOCUMENTS (CIVIL, MEP, LANDSCAPE, AND ARCHITECT) SHALL BE CONSULTED.
- 16. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. & T.A.S) EXIST TO AND FROM EVERY DOOR. IN NO CASE SHALL HANDICAP RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A. AND T.A.S. COMPLIANCE ISSUES
- 17. REFER TO GEOTECHNICAL REPORT FOR SOIL COMPACTION SPECIFICATION.

WATER AND SANITARY

- 1. IN THE EVENT AN ITEM IS NOT COVERED BY THIS MANUAL, THEN THE N.C.T.C.O.G. GENERAL SPECIFICATIONS COVERING SUCH ITEMS SHALL APPLY.
- 2. WATER MAINS SHALL BE PVC C-900 DR 18, EXCEPT WHEN OTHERWISE NOTED.
- 3. SEWER PIPE SHALL BE MINIMUM SDR 35 PVC, ULTRA RIB PVC SDR 26, OR DR 21 HDPE.
- 4. WATER MAINS SHALL HAVE THE FOLLOWING MINIMUM COVER BELOW STREET GRADES:

 SIZE
 8" AND SMALLER
 4.0'
 - 8" AND SMALLER 4.0' 8" TO 16" 5.0' GREATER THAN 16" 6.0'
- PLASTIC TAPE FOR UTILITY SERVICES SHALL BE ATTACHED TO THE ENDS OF ALL WATER AND SEWER SERVICE LINES AND EXTEND ABOVE GROUND LEVEL. EXCEPT IN PIPE BURST SECTIONS, THE TAPE SHALL MEET THE FOLLOWING SPECIFICATION:

 A. "ALLEN MARKING TAPE" OR APPROVED EQUAL.
- B. ROLL MARKED CONTINUOUSLY, "CAUTION WATER LINE" OR "CAUTION SEWER LINE".
 C. SIX (6) INCHES IN WIDTH.
 D. GREEN TAPE FOR SEWER SERVICES.
 E. BLUE TAPE FOR WATER SERVICES.
- 6. VIDEO TAPE OF SEWER LINE TO BE PROVIDED TO TOWN OF ADDISON DIRECTOR OF INFRASTRUCTURE, BY THE CONTRACTOR.
- 7. FIRE HYDRANTS SHALL BE LOCATED BETWEEN 3' AND 6' FROM THE BACK OF CURB.
- 8. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY EXACT LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITIES AND SERVICES PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL CALL 1-800-DIG-TESS FOR FIELD LOCATION OF EXISTING UTILITIES. CALL AT LEAST 48 HOURS BEFORE LOCATIONS ARE NEEDED. NOTE THAT THE DIG TESS SERVICE DOES NOT LOCATE ALL UTILITIES, ONLY THOSE REGISTERED WITH THE SERVICE.
- 9. REFER TO OFFSITE SEWER PLANS FOR DETERMINING PROPOSED MANHOLE RIM ELEVATIONS.
- 10. LOCATIONS AND SIZES OF EXISTING PUBLIC AND PRIVATE UTILITIES SHOWN ON THESE PLANS ARE FROM TOWN AND UTILITY COMPANY RECORDS ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES AND FOR DAMAGES RESULTING FROM FAILURE TO DO SO.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD" PLANS TO THE ENGINEER AND TO THE TOWN OF ADDISON SHOWING THE LOCATION OF WATER AND SEWER SERVICES AND ANY DEVIATIONS FROM PLANS MADE DURING CONSTRUCTION.
- 12. 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.
- 13. ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE FIVE (5) FEET OUTSIDE THE BUILDING. UNLESS NOTED OTHERWISE.
- 14. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PUBLIC PIPE, STRUCTURES, AND FITTINGS SHALL BE INSPECTED BY THE TOWN INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
- 5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A TRENCH EXCAVATION PROTECTION PLAN, SEALED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR ALL TRENCHES DEEPER THAN FIVE (5) FEET.

17. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL WATER AND SANITARY SEWER

16. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND ANY SPECIAL PROVISION AS APPROVED BY THE TOWN OF ADDISON, TX.

LINES AND OTHER UTILITIES

FLOW DIVERSION MANAGEMENT NOTES

- 1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE BYPASS EQUIPMENT, FORCE MAINS, AND OTHER NECESSARY APPURTENANCES IN ORDER TO MAINTAIN RELIABLE SANITARY SEWER SERVICE IN ALL SANITARY SEWER LINES AS REQUIRED FOR CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE BACKUP PUMP(S), FORCE MAIN(S), AND APPURTENANCES READY TO DEPLOY IMMEDIATELY. APPURTENANCES AND DISCHARGE POINTS SHALL BE APPROVED BY THE INSPECTOR.
- 3. ANY SPILLAGE, BACKUPS AND/OR OVERFLOWS, ETC. AS THE RESULT OF INADEQUATE EQUIPMENT ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE CONTRACTOR SHALL DEMONSTRATE THAT THE PUMPING SYSTEM IS IN GOOD WORKING ORDER AND IS SUFFICIENTLY SIZED TO SUCCESSFULLY HANDLE FLOWS BY PERFORMING A TEST RUN FOR A PERIOD OF 24 HOURS PRIOR TO BEGINNING THE WORK. TESTING IS NOT TO BE SCHEDULED DURING WEEKEND HOURS.
- 5. THE CONTRACTOR SHALL BE REQUIRED TO HAVE ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE REPAIR OR REPLACEMENT ON THE JOB SITE PRIOR TO ISOLATING THE SEWER MANHOLE OR LINE SEGMENT AND BEGINNING FLOW DIVERSION OPERATIONS.
- 6. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE IN WRITING A SEQUENCE OF FLOW DIVERSION FOR REVIEW AND APPROVAL BY THE INSPECTOR. THE CONTRACTOR SHALL ALSO PROVIDE THE INSPECTOR A SKETCH SHOWING THE LOCATION OF FLOW DIVERSION EQUIPMENT FOR EACH LINE SEGMENT(S) AROUND WHICH FLOWS ARE DIVERTED.
- 7. ONCE NEW SEWER COLLECTION SYSTEM HAS BEEN COMPLETED. TESTED AND ACCEPTED. THE CONTRACTOR SHALL CEASE FLOW DIVERSION OPERATIONS AND RETURN FLOWS TO THE NEW AND/OR EXISTING SEWER WHEN DIRECTED BY THE INSPECTOR.
- 8. ALL PIPING(S), JOINTS AND ACCESSORIES OF THE FLOW DIVERSION SYSTEM SHALL BE DESIGNED TO WITHSTAND AT LEAST TWICE THE MAXIMUM SYSTEM PRESSURE, OR A MINIMUM OF 50 PSI
- 9. DURING FLOW DIVERSION, NO SEWAGE SHALL BE LEAKED, DUMPED, OR SPILLED IN OR UNTO, ANY AREA OUTSIDE OF THE EXISTING SANITARY SEWER SYSTEM AND TEMPORARY BY-PASS SYSTEM. WHEN FLOW DIVERSION OPERATIONS ARE COMPLETE, ALL FLOW DIVERSION SHALL BE DRAINED INTO THE SANITARY SEWER PRIOR TO DISASSEMBLY.
- 10. THE CONTRACTOR SHALL PLUG OFF AND PUMP DOWN THE SEWER MANHOLE OR LINE SEGMENT IN THE IMMEDIATE WORK AREA AND SHALL MAINTAIN THE SANITARY SEWER SYSTEM SO THAT SURCHARGING DOES NOT OCCUR. WHERE WORK REQUIRES THE LINE TO BE BLOCKED BEYOND WORKING HOURS, CONTRACTOR SHALL OPERATE FLOW DIVERSION AND MAN THE SYSTEM 24 HOURS
- 11. THE CONTRACTOR SHALL ENSURE THAT NO DAMAGE WILL BE CAUSED TO PRIVATE PROPERTY AS A RESULT OF FLOW DIVERSION OPERATIONS. INGRESS AND EGRESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. RAMPS, STEEL PLATES OR OTHER METHODS SHALL BE DEPLOYED BY THE CONTRACTOR TO FACILITATE TRAFFIC OVER SURFACE PIPING. HIGH TRAFFIC
- COMMERCIAL PROPERTIES MAY REQUIRE ALTERNATE METHODS.

 12. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE INSPECTOR SHOULD A SURCHARGE OCCUR THAT RESULTS IN AN OVERFLOW OF SEWAGE. IF THE CONTRACTOR IS UNABLE TO REMEDY THE SITUATION, THEN HE SHOULD SUSPEND OR TERMINATE THE WORK UNTIL SUCH TIME AS THE OVERFLOWS HAVE BEEN CONTROLLED. SHOULD SUCH SURCHARGE DAMAGE THE MATERIALS AND/OR EQUIPMENT THAT ARE USED ON THE JOB AND/OR ADJACENT PROPERTY, IT SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
- 13. IN THE EVENT THAT SEWAGE ACCIDENTALLY DRAINS INTO THE DRAINAGE SYSTEM OR STREET, THE CONTRACTOR SHALL IMMEDIATELY STOP THE OVERFLOW, NOTIFY THE TOWN, AND TAKE THE NECESSARY ACTION TO CLEAN UP AND DISINFECT THE SPILLAGE TO THE SATISFACTION OF THE TOWN/TCEQ. IF SEWAGE IS SPILLED ONTO PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL WASH DOWN, CLEAN UP AND DISINFECT THE SPILLAGE TO THE SATISFACTION OF THE INSPECTOR.
- 14. IN THE EVENT OF A BYPASS PIPING BREAK, THE CONTRACTOR IS RESPONSIBLE FOR CLEANING THE FULL EXTENT OF THE SPILL, INCLUDING ANY STORM DRAIN TO THE END OF THE STORM WAYS RECEIVING THE SPILL.
- 15. THE CONTRACTOR SHALL NOT INTENTIONALLY DAMAGE OR REMOVE PORTIONS SANITARY SEWER STRUCTURES FOR THE PURPOSE OF INSTALLING THE FLOW DIVERSION SYSTEM WITHOUT SPECIFIC APPROVAL FROM THE INSPECTOR. IF A STRUCTURE IS DAMAGED, IT SHALL BE RECONSTRUCTED OR REPLACED TO THE SATISFACTION OF THE INSPECTOR AT NO ADDITIONAL COST TO THE OWNER.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE THAT RESULTS DIRECTLY OR INDIRECTLY FROM THE INTERFERENCE OF STORM WATER RUNOFF TO FLOW DIVERSION EQUIPMENT, PIPING AND/OR APPURTENANCES. THE CONTRACTOR SHALL ESTABLISH ADEQUATE FLOW DIVERSION AS REQUIRED REGARDLESS OF THE FLOW CONDITIONS.
- 17. CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY VEHICULAR ACCESS ACROSS ANY BYPASS PIPING CROSSING PUBLIC R.O.W. (NO SEPARATE PAY ITEM)
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBSERVING WEATHER FORECASTS AND NOTIFYING INSPECTOR OF ANY SEVERE WEATHER POSSIBILITIES DURING CONSTRUCTION. IN THE EVENT OF INCLEMENT WEATHER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUSPENDING ALL BYPASS ACTIVITIES, INCLUDING THE COST OF ANY MOBILIZATION, DE-MOBILIZATION, AND RE-MOBILIZATION.

This drawing has been revised to show those changes during the construction process reported by the contractor to Kimley-Horn and Associates, Inc. and considered to be significant. This drawing is not guaranteed to be "As Built" but is based on the information made available.

ate:	05/06/2019	By:	RYAN SAFFORD, P.E.	

REFER TO TNRCC/TCEQ DESIGN
GUIDELINES (CHAPTER 290) FOR ALL
UTILITY CROSSINGS.

GEOTECHNICAL REPORT

REPORT NO. G140072

ALPHA TESTING, INC.

DALLAS, TEXAS

MARCH 18, 2014

CONTACT: DAVID SCHLEDORN, P.E.

(972) 620-8911

BENCHMARKS

BM-1 Town of Addison GPS Control Station "TXDOT-COA-5", located on the corner of a curb inlet, 190' south of the intersection of Edwin Lewis Drive and Quorum Drive, 2' from the west edge of sidewalk, 50.5 feet from the west side of median and 76' from a fire hydrant.

BM-2 Town of Addison GPS Control Station "TXDOT-COA-14", located 630' west of intersection of Addison Road & Westgrove Drive, 15.7' south of back of curb of concrete drive, 5' from street sign and 8' north of back of curb of Westgrove Road.

Elevation=642.09'
TBM-1 Square cut with "X" set on N.E. corner of drop inlet 545'+/-

south of south R.O.W of Edwin Lewis Dr. and 8'+/- west of Spectrum Drive back-of-curb.

Elevation=630.89'

TBM-2 Square cut with "X" set on concrete headwall at trhe southeast corner of Quorum Drive and Edwin Lewis Drive.

=631.28'

REVISIONS

SY SOCIATES, INC.

17, SUITE 200, FRISCO, TX 75034

E: 972-335-3580

KIMLEY-HORN.COM

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