CONSTRUCTION PLANS

FOR

AUTUMN LEAVES



PLANS SUBMITTAL/REVIEW LOG

1st CITY SUBMITTAL -NOT FOR CONSTRUCTION

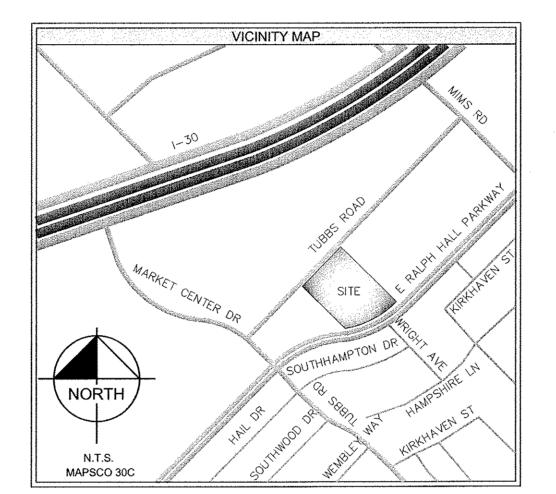
11/09/2010

2nd CITY SUBMITTAL -NOT FOR CONSTRUCTION

12/10/2010

3rd CITY SUBMITTAL FOR CONSTRUCTION

01/03/2011



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PLAN REVISION LOG

NO.	DATE	DESCRIPTION

STANDARD SHEETS, SPECIFICALLY IDENTIFIED IN THIS INDEX OF SHEETS HAVE BEEN SELECTED BY ME OR UNDER MY SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

OWNER

GJ DEVELOPMENT, LP. 1500 EAST INDUSTRIAL BLVD. McKINNEY, TX 75069 PH. (972) 562-5555

DEVELOPER

THE LaSALLE GROUP 1900 EAST GOLF ROAD, SUITE 1120 SCHAUMBURG, IL 60173 PH. (847) 301-4145 CONTACT: KAY ADKINS

ARCHITECT

CURTIS GROUP ARCHITECTS LTD 5000 QUORUM DRIVE SUITE 300 DALLAS, TEXAS 75254 PH. (214) 378-9810 X5047 CONTACT: BEN KEYWORTH

ENGINEER



TEXAS REGISTERED ENGINEERING FIRM 12700 PARK CENTRAL DRIVE SUITE 1800 DALLAS, TEXAS 75251 PH. (972) 770-1300 CONTACT: HILLARY VONAHSEN, P.E.

RALPH HALL PAKWAY AND MARKET CENTER DRIVE

E.P. GAINES CHISUM SURVEY ABSTRACT NO. 64 LOT 1 ROCKWALL MARKET CENTER SOUTH ADDITION

CITY OF ROCKWALL, TEXAS

CIVIL PLANS DECEMBER 2010 CONSTRUCTION JANUARY 2011 ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

"RECORD DRAWING"
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION
PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY—HORN AND ASSOCIATES, INC. TO THE
BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THIS DRAWING IS CONSIDERED TO BE
"AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE TO KHA BY THE
CONTACTOR AND BASED ON SURVEY DATA OBTAINED ON SEPTEMBER 14, 2011.

DATE: 10/12/2011 BY: Alley K. Jon Hynn

RHEET NUMBE

- KHA GENERAL CONSTRUCTION NOTES:

 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR THE CITY OF STANDARDS (LATEST ADDITION), AND ANY SPECIAL PROVISIONS ADOPTED BY THE CITY OF ROCKWALL, THE SUBDIVISION RULES AND REGULATIONS OF THE CITY OF ROCKWALL (LATEST EDITION) AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS, THE PROJECT SPECIFICATION BOOK, AND THESE CONSTRUCTION PLANS. THE CITY OF ROCKWALL SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE OWNER AND ENGINEER SHALL BE CONTACTED PRIOR
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
- B. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE CITY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. THE LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK, THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND
- 6. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY, ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE CITY AND NOTIFICATION TO THE ARCHITECT AND THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, ENGINEER, AND OWNER WAS NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED
- . ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 8. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUMS PRIOR TO COMMENCING CONSTRUCTION OR
- CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ADJUSTMENTS, RELOCATIONS AND INSTALLATIONS OF FRANCHISE UTILITIES NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION.
- 11. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION FIELD STAKING AND TESTING, UNLESS
- 12. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REPLACE ANY FENCING, CURBING, ETC. THAT IS DESTROYED DUE TO THE CONSTRUCTION ACTIVITIES.

SPECIFIED OTHERWISE BY THE OWNER.

- 13. TRENCH SAFETY DESIGN WILL BE THE RESPONSIBILITY OF THE UTILITY CONTRACTOR. CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN (SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS) TO THE CITY OF ROCKWALL PUBLIC WORKS DEPARTMENT FOR REVIEW PRIOR TO THE START OF ANY UTILITY CONSTRUCTION.
- 14. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS ONTO DEVELOPED OR UNDEVELOPED AREAS WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S RESPONSIBILITY TO REPAIR.
- 15. LIGHT POLES AND SIGNS SHALL NOT BE PLACED IN ADA ACCESSIBLE ROUTES OR ACCESSIBLE ACCESS
- 16. ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY SITE CONSTRUCTION NOT INCLUDED WITH THIS SCOPE OF WORK SHALL BE REGRADED AND LANDSCAPED AND SODDED OR PAVED (TO WHATEVER CONDITION EXISTED BEFORE DISTURBANCE). ALL DISTURBED AREAS SHALL BE REPAIRED TO THE SAME OR BETTER CONDITION THAN BEFORE AREA WAS DISTURBED.
- 17. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS. COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS AND INSPECTION REPORTS
- 18. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONTOURS SHOWN ON THE PLANS AND ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE CONSTRUCTION.
- 19. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES.
- 20. 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 CITY) 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 ORDINANCES, 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 TNRCC. CONTRACTOR SOLELY RESPONSIBLE FOR ALL MANDATED SWPPP RECORD KEEPING AND REPORTING.
- 21. CONTRACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS AS DIRECTED BY THE OWNER.
- 22. ALL EXCAVATION 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.
- 23. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
- 24. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 25. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60, AND SHALL BE SUPPORTED BY
- 26. WATER LINES CROSSING STORM SEWER LINES AND SANITARY SEWER LINES SHALL BE IN CONFORMANCE WITH ALL TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) SPECIFICATIONS.
- 27. 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 CITY 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. AS AN ALTERNATE, THE OWNER RESERVES THE RIGHT TO PAY THE INSPECTION FEES DIRECTLY TO THE CITY.
- 28. ALL FIRE HYDRANTS, FITTINGS, VALVES, AND PIPE ENDS SHALL BE BLOCKED WITH CONCRETE PER CITY
- 29. TOP RIM ELEVATIONS OF ALL SANITARY SEWER MANHOLES SHALL BE COORDINATED WITH TOP OF
- 30. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
- 31. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH, FLUSH, CONNECTION.
- 32. 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
- 33. CONTRACTOR TO ADJUST ALL GATE VALVE COVERS TO MATCH PROPOSED PAVING GRADES.
- 34. THE OPERATING NUT OF ALL GATE VALVES SHALL BE 2 FEET BELOW FINISH GRADE (MINIMUM).
- 35. THESE PLANS, PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES. AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
- 36. REFER TO SWPPP REPORT AND EROSION CONTROL PLANS FOR APPLICABLE NOTES.
- 37. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
- 38, CONTRACTOR SHALL CONTACT THE CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THE CITY MAY REQUIRE.

- 39. ALL APPURTENANCES INSTALLED IN PAVEMENT AREAS SHALL BE ADJUSTED AS REQUIRED TO BE FLUSH
- 40. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR COMPLETING AND IMPLEMENTING TRAFFIC
- 41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER AND SEWER SERVICES AND ANY DEVIATIONS FROM PLANS MADE
- 42. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION.
- 43. REFER TO NCTCOG 3RD EDITION AND THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION SPECIFICATIONS FOR DETAILS NOT SHOWN WITH THIS PLAN SET.

. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS, COMMONLY ACCEPTED CONSTRUCTION STANDARDS AND NCTCOG 3RD

- 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 VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE

HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES

- 4. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
- 5. THE INSPECTOR SHALL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
- 6. ALL PVC TO RCP CONNECTIONS SHALL BE CONSTRUCTED WITH CONCRETE COLLARS.
- 7. ALL STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP. PUBLIC ONSITE STORM SEWER LINES 18" AND GREATER MAY BE CLASS III RCP. CONTRACTOR TO CONTACT ENGINEER WITH QUESTIONS ABOUT PIPE MATERIAL PRIOR TO ORDERING. IF USING HDPE, CONTRACTOR SHALL SUBMIT TECHNICAL DATA TO PROJECT ENGINEER AND CITY ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIAL.
- 8. CONTRACTOR IS TO INSTALL SPECIFIED STORM INLETS SHOWN ON PLANS OR APPROVED EQUAL.
- 9. 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 CITY OF ROCKWALL.
- 10. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL STORM SEWER LINES AND OTHER UTILITIES.
- 11. EMBEDMENT FOR ALL ONSITE SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY OF ROCKWALL STANDARD DETAILS AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS.
- 12. REFER TO TNRCC/TCEQ DESIGN GUIDELINES (CHAPTER 290) FOR ALL UTILITY CROSSINGS.
- 13. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- 14. THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION.
- 15. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- 16. CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.
- 17. ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
- 18. TRENCH EXCAVATION FOR TRENCHES 5 FEET OR MORE IN DEPTH SHALL BE IN ACCORDANCE WITH ALL PROVISIONS OF PART 1926, SUBPART P - "EXCAVATIONS, TRENCHING AND SHORING OF THE OCCUPATIONAL SAFETY AND HEALTH'S STANDARDS AND INTERPRETATIONS". IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFORM TO THE ABOVE PROVISIONS.
- 19. ALL STORM PIPE CONNECTIONS ENTERING STRUCTURES OR OTHER STORM PIPES SHALL HAVE A CONCRETE COLLAR AND BE GROUTED TO ASSURE THE CONNECTION IS WATER TIGHT.
- 20. ALL WYE CONNECTIONS AND PIPE BENDS LESS THAN 36" ARE TO BE PREFABRICATED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.

- ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDUMS, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
- 2. 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.
- 3. 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.
- 4. SEE STRUCTURAL SPECIFICATIONS FOR BUILDING PAD DETAILS. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS APPROVED BY THE CITY, AT NO ADDITIONAL COST TO THE OWNER.
- 5. 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.
- 6. 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
- 7. 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.
- SURVEY PREPARED BY OTHERS. BASED ON THE BENCHMARK SHOWN, CONTRACTOR SHALL REFERENCE SAME BENCHMARK 9. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS AND GEOTECHNICAL REPORT FOR

8. EXISTING OFFSITE CONTOURS AS SHOWN ON THIS PLAN WERE TAKEN FROM AN AERIAL TOPOGRAPHIC

- BUILDING PAD AND PAVING SUBGRADE INFORMATION. 10. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE
- CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. 11. GRADING CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED

UTILITY ADJUSTMENTS AND/OR RELOCATIONS.

SPECIFICATIONS AND THESE PLANS.

- 12. 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 CITY'S
- 13. 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.

UTILITY CONTACTS ELECTRIC COMPANY Gas Company ATMOS DINAH WOOD RUSSELL LEWIS (972) 485-6277 (972) 569-6310

- 14. NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR OWNER'S REPRESENTATIVE, EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE.
- 15. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE CONSTRUCTION
- 16. 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.
- 1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS.
- 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 CITY) 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 ORDINANCES. 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.
- 4. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- 5. 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
- 6. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS (REFER TO ALPHA TESTING, INC. REPORT NUMBER G100766, DATED AUGUST 5, 2010). THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT
- 7. 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 PAVEMENT OF 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 CITY'S
- 8. BARRIER FREE RAMPS SHALL BE CONSTRUCTED AT ALL DRIVEWAY APPROACHES PER CITY STANDARDS.
- 9. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 10. 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 THE CITY OF ROCKWALL STANDARD SPECIFICATIONS.
- 11. REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT PLAN REQUIREMENTS. REFER TO GEOTECHNICAL REPORT FOR REINFORCEMENT STEEL REQUIREMENTS. PAVEMENT MIX DESIGNS SHALL BE SUBMITTED TO GEOTECHNICAL ENGINEER FOR APPROVAL. REFER TO GEOTECHNICAL REPORT FOR SOIL COMPACTION SPECIFICATION.
- 12. FIRE LANES SHALL BE DESIGNATED BY CONTINUOUS PAINTED LINES 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. 13. FIRE LANES ADJACENT TO CURBS SHALL BE OUTLINED BY A 6 INCH WIDE STRIP PAINTED BRIGHT RED IN
- 14. THE WORDS "FIRE LANE" AND "NO PARKING" SHALL BE STENCILED IN 4 INCH HIGH WHITE LETTERS ALTERNATELY EVERY 25 FEET ALONG THE FIRE LANE STRIPES PER CITY DETAIL.
- 15. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990.
- 16, REFERENCE CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS FOR HANDICAP RAMP AND OTHER PAVING DETAILS. 17. REFERENCE LANDSCAPE AND/OR PAVING PLANS FOR LOCATION AND TYPE OF HANDICAP RAMPS
- TRUNCATED DOME PLATES (COLONIAL RED) TO BE PROVIDED AND FOR FLATWOR 18. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF ROCKWALL STANDARD
- SPECIFICATIONS AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS. 19. CONTRACTOR RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY CITY OF ROCKWALL
- OF TRAFFIC CONTROL PLAN PRIOR TO START OF CONSTRUCTION. 20. SIDEWALKS ADJACENT TO CURB SHALL BE CONNECTED TO BACK OF CURB USING LONGITUDINAL BUTT
- 21. 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 RETWEEN 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.
- 22. 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.
- 23. CONTRACTOR RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTING, IRRIGATION, ETC. PRIOR TO PLACEMENT OF PAVEMENT. ALL CONSTRUCTION DOCUMENTS (CIVIL, MEP, LANDSCAPE, AND
- 24. 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.
- 25. ALL CONSTRUCTION STAGING AREAS TO BE LOCATED ON-SITE (WITHIN PROJECT LIMITS).
- 26. ALL JOINTS SHALL EXTEND THROUGH THE CURB.

COLOR ALONG THE CURB'S GUTTER LINE.

27. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.

- 2. 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 CITY OF ROCKWALL. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. THE EROSION CONTROL DEVICES SHOULD REMAIN IN PLACE, WHERE PRACTICAL, UPON COMPLETION OF CONSTRUCTION.
- 3. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF ROCKWALL ENGINEERING DIVISION.
- 4. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
- 5. OFF-SITE (IF APPLICABLE) SOIL BORROW AND SPOIL AREAS ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMP'S TO CONTROL OFFSITE SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT.
- 6. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY, THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASHDOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE INSTALLATION.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. CONTRACTOR SHALL COMPLY WITH ALL E.P.A. STORM WATER POLLUTION PREVENTION REQUIREMENTS.
- 8. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL BEST MANAGEMENT PRACTICES (BMPS). EROSION CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY. CONTRACTOR IS RESPONSIBLE FOR UPDATING THE EROSION CONTROL PLAN AND STORM WATER POLLUTION PREVENTION PLAN (SWP3) AS NECESSARY.
- 9. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT IN THE SWP3 OR NOT).
- 10. EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, OR IN CHANNELS, DRAINAGEWAYS OR BORROW DITCHES AT RISK OF CONTRACTOR AND IN COMPLIANCE WITH SECTIONS 401 AND 404 OF THE CLEAN WATER ACT. CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE. AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE DREDGED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.
- 11. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWP3 AND EROSION CONTROL PLAN TO INCLUDE BMPS FOR ANY OFF-SITE MATERIAL WASTE, BORROW, OR EQUIPMENT STORAGE AREAS.
- 12. CONTRACTOR SHALL INSPECT DISTURBED AREAS, MATERIAL STORAGE AREAS EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND VEHICLE ENTRY AND EXIT AREAS AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER OR ONCE EVERY 7 DAYS ON THE SAME DAY OF THE WEEK EACH WEEK, REGARDLESS IF THERE HAS BEEN A RAINFALL EVENT. THE SWP3 MUST REFLECT THE SCHEDULE IN USE.

. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE REQUIREMENTS SET FORTH IN THE CITY OF

- ROCKWALL "STANDARD SPECIFICATIONS" AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS. 2. WATER MAINS SHALL BE PVC C-900 DR 14 CLASS 200, EXCEPT WHEN OTHERWISE NOTED.
- SEWER PIPE SHALL BE MINIMUM SDR 35 PVC.
- 4. WATER MAINS SHALL HAVE THE FOLLOWING MINIMUM COVER BELOW STREET GRADES: COVER
- AS SHOWN ON PLANS LARGER 5. WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS.
- 6. FIRE HYDRANTS SHALL BE PER THE CITY OF ROCKWALL STANDARDS AND NCTCOG 3RD ADDITION CONSTRUCTION STANDARDS.
- 7. VIDEO TAPE OF SEWER LINE TO BE PROVIDED TO DIRECTOR OF PUBLIC SERVICES, BY THE
- 8. FIRE HYDRANTS SHALL BE LOCATED BETWEEN 4' AND 7' FROM THE BACK OF CURB.
- 9. 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 72 HOURS BEFORE LOCATIONS ARE NEEDED. NOTE THAT THE DIG TESS SERVICE DOES NOT LOCATE ALL UTILITIES, ONLY THOSE REGISTERED WITH THE SERVICE.
- 10. REFER TO SITE GRADING PLANS, PAVING PLANS, AND LANDSCAPE PLANS FOR FINAL GRADES FOR DETERMINING PROPOSED MANHOLE RIM ELEVATIONS.
- 11. LOCATIONS AND SIZES OF EXISTING PUBLIC AND PRIVATE UTILITIES SHOWN ON THESE PLANS ARE FROM CITY AND UTILITY COMPANY RECORDS ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES AND FOR DAMAGES RESULTING FROM FAILURE TO DO SO.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER AND SEWER SERVICES AND ANY DEVIATIONS FROM PLANS MADE DURING CONSTRUCTION
- 13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN, COORDINATING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING AND/OR CROSSING OTHER
- 14. ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE FIVE (5) FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE. 15. 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 CITY INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE

SEALED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR ALL TRENCHES

- PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES. 16. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A TRENCH EXCAVATION PROTECTION PLAN,
- DEEPER THAN FIVE (5) FEET. 17. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL WATER AND SANITARY SEWER
- LINES AND OTHER UTILITIES. 18, REFER TO TCEQ DESIGN GUIDELINES (CHAPTER 217 AND 290) FOR ALL UTILITY CROSSINGS.
- 19. EMBEDMENT FOR ALL ONSITE UTILITY LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY OF ROCKWALL



GEOTECHNICAL REPORT INFORMATION TERRACON CONSULTANTS, INC. TERRACON PROJECT NO. 94105218 DATED: OCTOBER 8, 2010

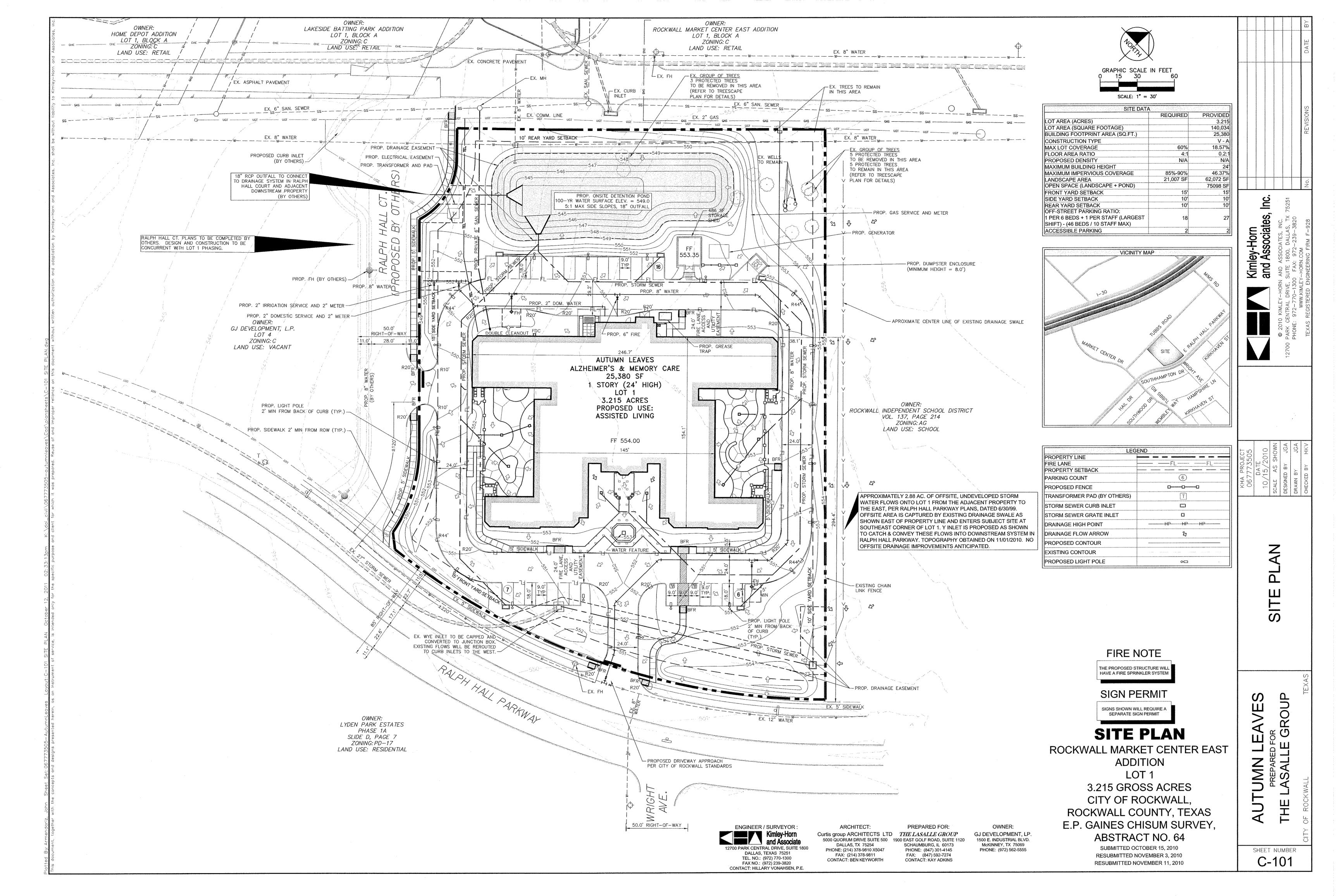
City of Rockwall Control Monument "Reset #1 Elev. = 567.70^a City of Rockwall Control Monument "R019" Elev. = 600.69' Square cut at the southwest corner of a curb inlet located approximately 185 feet west of the ortheast corner of the subject tract. Elev. = 552.19' Square cut at the southwest corner of a WYE inlet located approximately 230 feet west of the southeast corner of the subject tract as measured along the northerly right of way line of Ralph Hall

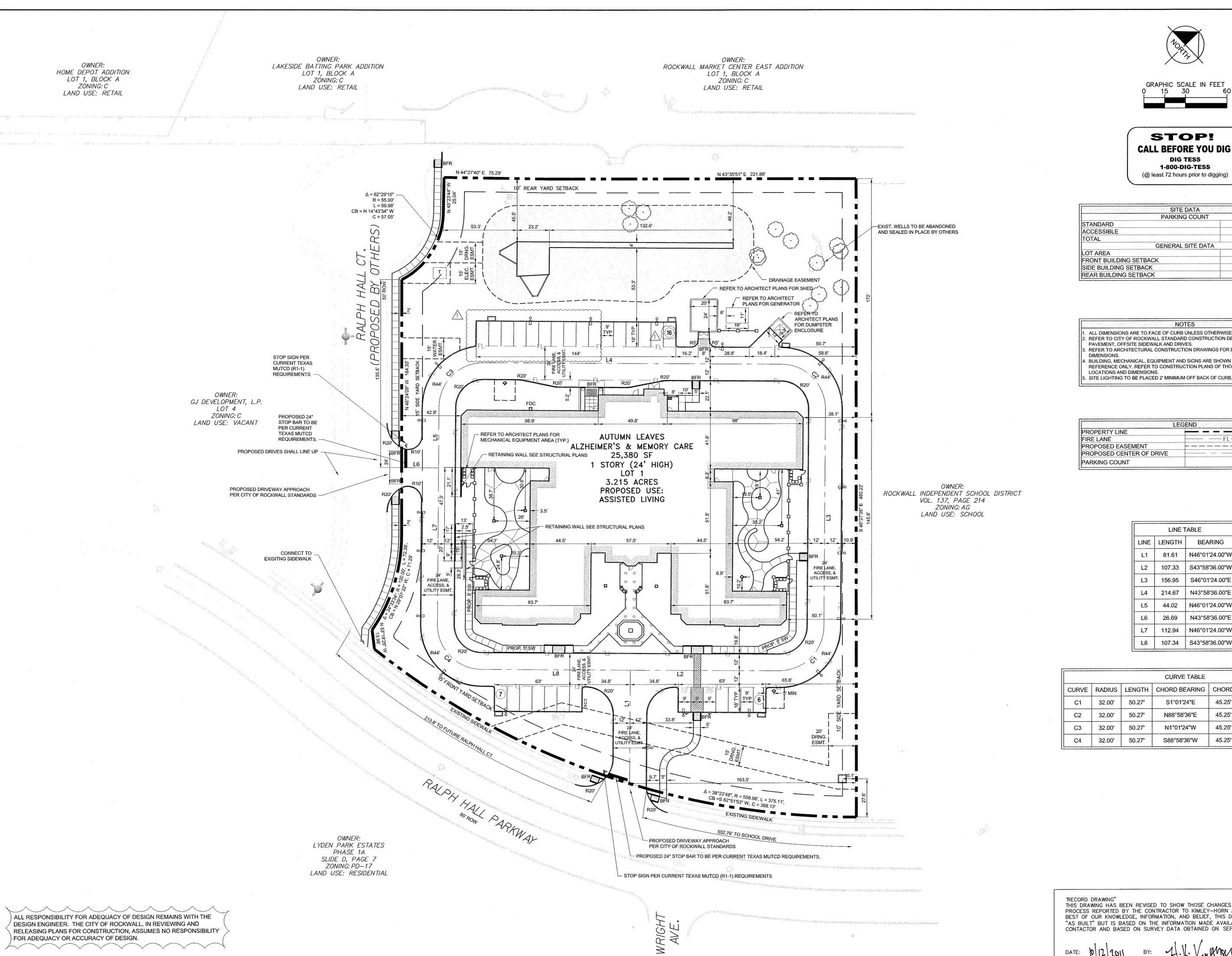
Elev. = 550.89

BENCHMARKS

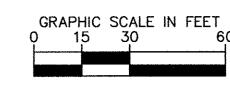
"RECORD DRAWING" THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THIS DRAWING IS CONSIDERED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE TO KHA BY THE CONTACTOR AND BASED ON SURVEY DATA OBTAINED ON SEPTEMBER 14, 2011.











STOP!

CALL BEFORE YOU DIG DIG TESS 1-800-DIG-TESS

(@ least 72 hours prior to digging)

PARKING COUN	т ~~~~
STANDARD	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
ACCESSIBLE	\ 2
TOTAL	29
GENERAL SITE DA	TA C
LOT AREA	3.22
FRONT BUILDING SETBACK	15'-0'
SIDE BUILDING SETBACK	10'-0'

1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED. 2. REFER TO CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS FOR OFFSITE PAVEMENT, OFFSITE SIDEWALK AND DRIVES. REFER TO ARCHITECTURAL CONSTRUCTION DRAWINGS FOR DETAILED FLOOR 4. BUILDING, MECHANICAL, EQUIPMENT AND SIGNS ARE SHOWN HEREON FOR REFERENCE ONLY. REFER TO CONSTRUCTION PLANS OF THOSE ITEMS FOR LOCATIONS AND DIMENSIONS.

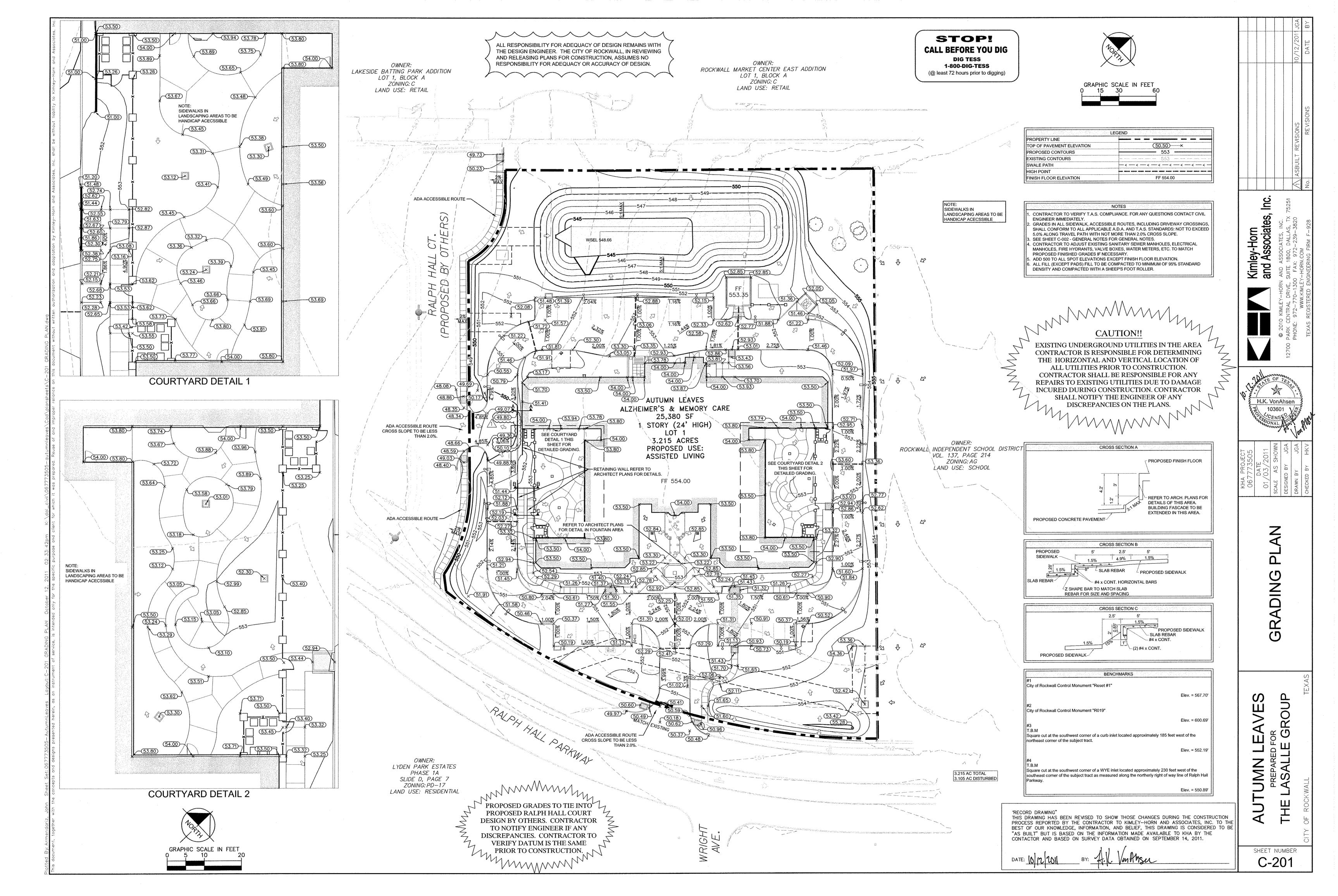
PROPERTY LINE			
FIRE LANE		FL	FL
PROPOSED EASEMENT			
PROPOSED CENTER OF DRIVE			
PARKING COUNT		(6)	

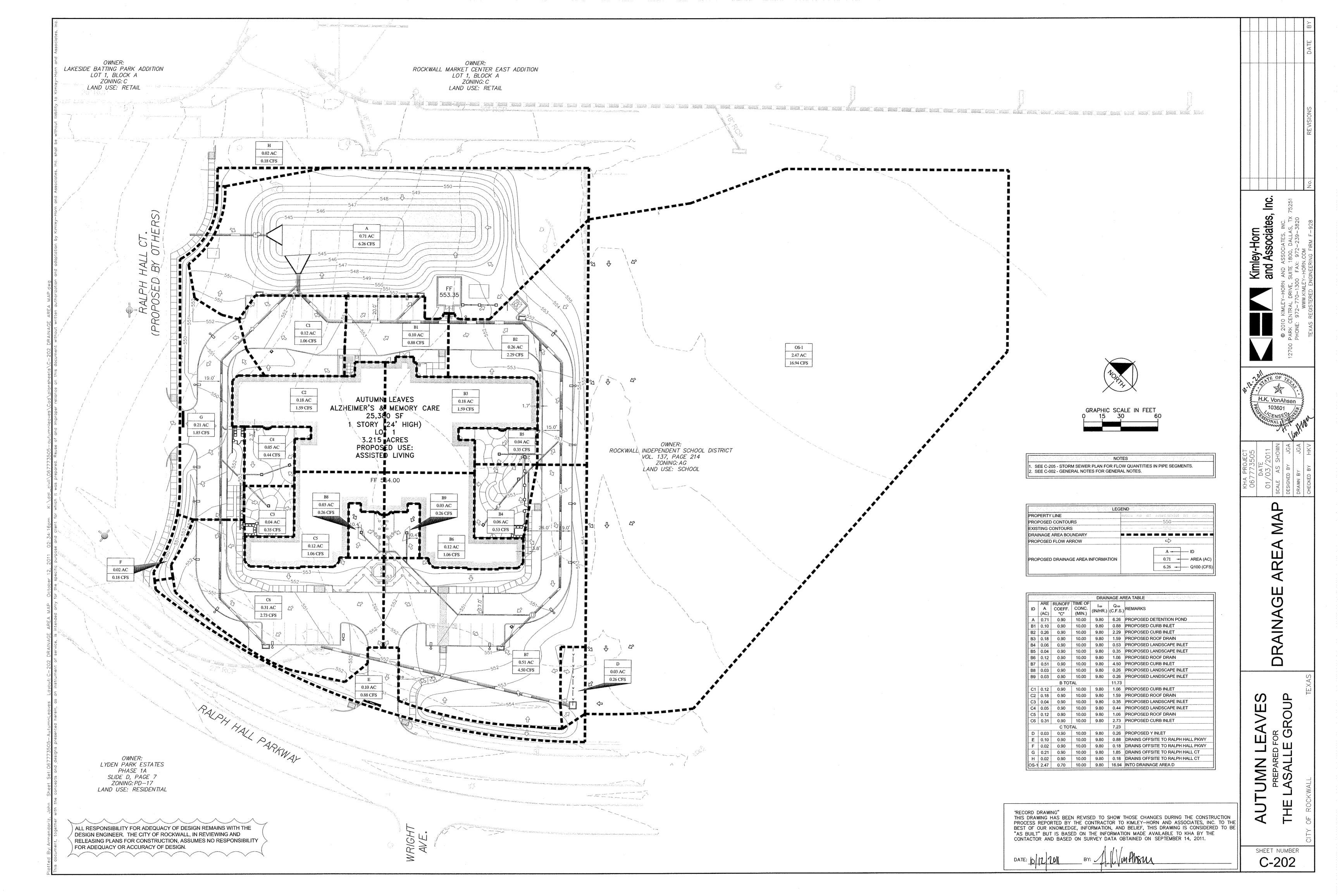
	LINE	TABLE
LINE	LENGTH	BEARING
L1	81.61	N46°01'24.00"W
L2	107.33	S43°58'36.00"W
L3	156.95	S46°01'24.00"E
L4	214.67	N43°58'36.00"E
L5	44.02	N46°01'24.00"W
L6	26.69	N43°58'36.00"E
L7	112.94	N46°01'24.00"W
L8	107.34	S43°58'36.00"W

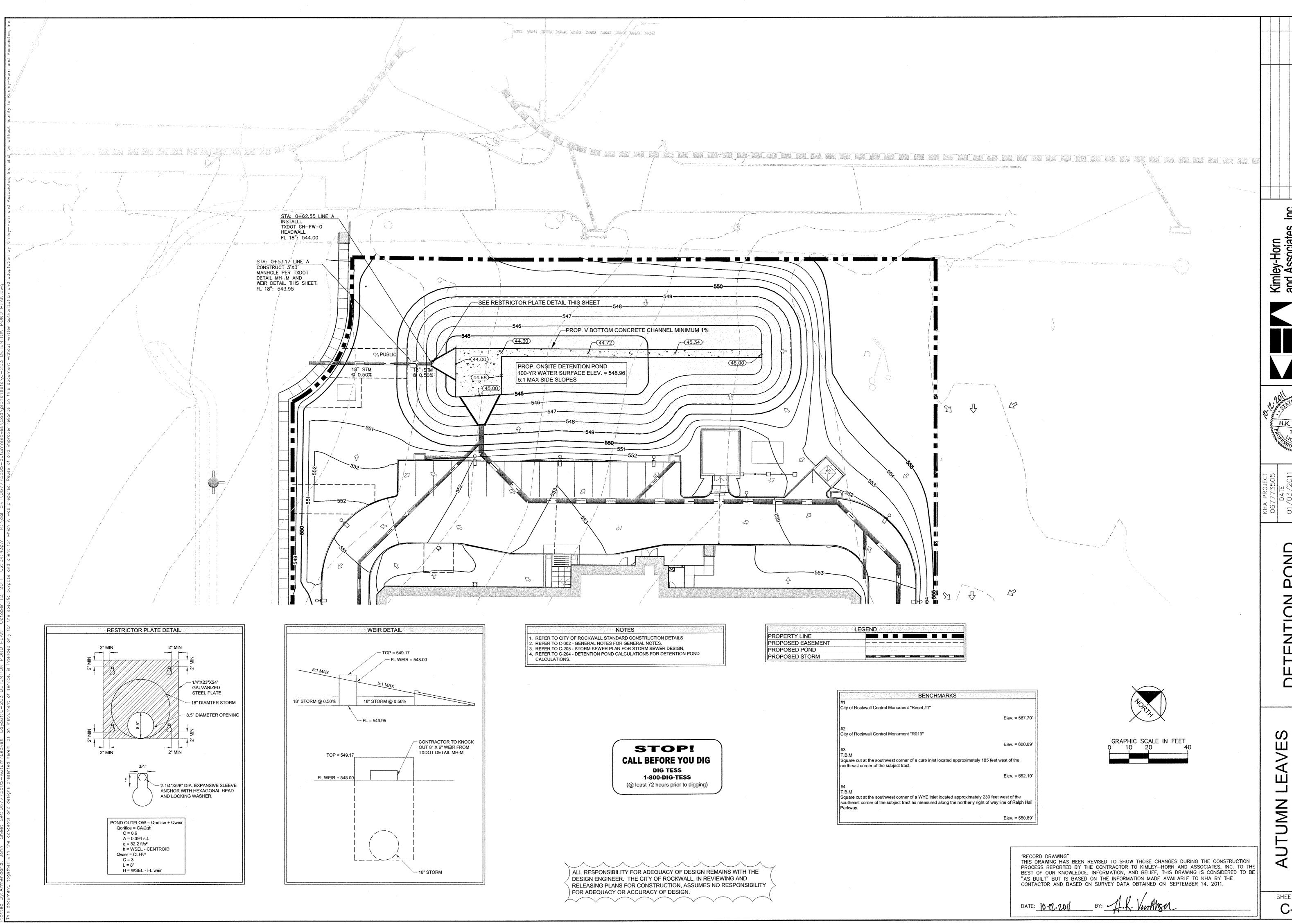
			CURVE TABLE			
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	32.00'	50.27'	S1°01'24"E	45.25'	90°00'00"	32.00'
C2	32.00'	50.27'	N88°58'36"E	45.25'	90°00'00"	32.00'
C3	32.00'	50.27'	N1°01'24"W	45.25'	90°00'00"	32.00'
C4	32.00'	50.27'	S88°58'36"W	45.25'	90°00'00"	32.00'

THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY—HORN AND ASSOCIATES, INC. TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THIS DRAWING IS CONSIDERED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE TO KHA BY THE CONTACTOR AND BASED ON SURVEY DATA OBTAINED ON SEPTEMBER 14, 2011.

DIME







DETENTI

	Rational Meth	IUU			*	
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	ting Condition					
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5		in/hr				
Q ₅	5.52	cts]	i		
	3,40	cfe	Allowable F	Ralassa		.,
	3,40	. GIS	Allowable	(elease		
Onsite Pro	posed Condition	ons	1	Proposed B	vpass	
∖rea	<u></u>	acres		Area	0.38 acres	
Time (T _c)	10	minutes		Time (T _c)	10 minutes	
C value	0.90			C value	0.90	
5	6.20	in/hr		15	6.20 in/hr	
λ_5	15.85	cfs	· ·····	Q_5	2.12 cfs	
<u> </u>	:		J			
			ran e e e e e e e e e e e e e e e e e e e			
Runoff per	Storm Event -	Developed			<u>.</u>	
Time (min.)	Access as Townson	C value	Area (ac)	Runoff (cfs)		
10	6.2	0.90	2.84	15.85		
15	5.5	0.90	2.84	14.06		
20	4.9	0.90	2.84	12.52		
30	4.1 3.4	0.90	2.84 2.84	10.48 8.69		
50	2.9	0.90	2.84	7.41		٠
60	2.6	0.90	2.84	6.65		
70	2.4	0.90	2.84	6.13		,
80	2.2	0.90	2.84	5.62		
90	2.0	0.90	2.84	5.11		
100	1.8	0.90	2.84	4.60		
110 120	1.7	0.90 0.90	2.84 2.84	4.35 4.09		
120	1.6	0.90	. 2.04	4.09		
nflow per	Storm Event		i			
torm Even		Inflow (ft ³)		· · · · · · · · · · · · · · · · · · ·		
10	15.85	9,508				
15	14.06	12,652),			
20	12.52	15,029				
30	10.48	18,863		:		
40	8.69	20,857			i	
50 60	7.41 6.65	22,237 23,924	·	·		
70	6.13	25,764		1		
80	5.62	26,991	·			
90	5.11	27,605				
100	4.60	27,605			:	
110	4.35	28,678	3	1		
120	4.09	29,445				
hittlow no	r Storm Event			(
Storm		Pologgo (ofc)	Outflow (ft ³)	<u>.</u>		
10	Time (min.)	Release (cfs) 3.40	2,041	:		
15	25	3.40	2,551			
20	30	3.40	3,062		1	
30	40	3.40	4,082			
40	50	3.40	5,103			
50 60	60 70	3.40 3.40	6,123 7,144			
70	80	3.40	7,144 8,165			
80	90	3.40	9,185			
90	100	3.40	10,206	;	1	
100	110	3.40	11,226	1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
110	120	3.40	12,247	:		
120	130	3.40	13,267	1		
lafanti t	/olum =	and the second of the second				
Storm		Outflow (#3)	Storogo (43)	-		
Storm 10	Inflow (ft ³) 9,508	Outflow (ft ³) 2,041	Storage (ft ³) 7,467			
15	12,652	2,041	10,101			
20	15,029	3,062	11,968			
30	18,863	4,082	14,781			
40	20,857	5,103	15,754			
50	22,237	6,123	16,114	·		
60	23,924	7,144	16,780			
70 80	25,764	8,165 9,185	17,600	Cantural		
90	26,991 27,605	9,185 10,206	17,806 17,399	< Controls	and the second s	
100	27,605	11,226	16,379			
					p	
110	28,678	12,247	16,431	:	1	

and a second of the second of the	/ Detention torm Event	and the contract of the second second				
	lational Meth		1		ļ	:
······································			ļ		1 · · · · · · · · · · · · · · · · · · ·	: }
	ing Condition					
Area		acres				
Time (T _c)		minutes		<u>.</u>		
C value	0.35					
l ₁₀	5.80			ļ		:
Q ₁₀	6.54	cfs	<u> </u>	<u>.</u>] 	; }
	4.04	cfs	Allowable F	Release		
Onsite Prop	osed Conditio	ons		Proposed By	/pass	-
Area		acres		Area		acres
Time (T _c)	. 10	minutes		Time (T _c)	10	minutes
C value	0.90			C value	0.90	**************************************
l ₁₀	7.30	în/hr		I ₁₀	7.30	in/hr
Q ₁₀	18.66	cfs	2 3. 3. 3. 3.	Q ₁₀	2.50	cfs
					; ; ;	
Punoff nor 9	Storm Event -	Dovoloped	ļ			
			Aron (00)	Dunoff (ofc)		
Time (min.)	I ₁₀ 7.3	C value 0.90	Area (ac) 2.84	Runoff (cfs) 18.66	<u> </u>	-
10	7.3 6.5	0.90	2.84	18.66		
20	5.8	0.90	2.84	14.82		
30	4.8	0.90	2.84	12.27		; :
40	4.0	0.90	2.84	10.22		
50	3.4	0.90	2.84	8.69		
60 70	3.0 2.8	0.90 0.90	2.84	7.67 7.16	: {	
70 80	2.8 2.5	0.90	2.84	6.39		
90	2.3	0.90	2.84	5.88		/
100	2.2	0.90	2.84	5.62	<u> </u>	
110	2.0	0.90	2.84	5.11		
120	1.8	0.90	2.84	4.60	!	
Inflow per S	torm Event	email and a second control of	<u>.</u>			: :
Storm Event		Inflow (43)	<u> </u>			
Storm Event	18.66	Inflow (ft ³) 11,195		1		
15	16.61	14,953			:	·
20	14.82	17,790		· · · · · · · · · · · · · · · · · · ·		
30	12.27	22,084			,	
40	10.22	24,538			T)
50	8.69	26,071		·		
60 70	7.67 7.16	27,605 30,059		<u>.</u>	·	:
80	6.39	30,672	·	;		
90	5.88	31,746				
100	5.62	33,739				
110	5.11	33,739				:
120	4.60	33,126	<u>:</u>	1		
Outflow ner	Storm Event		ļ	<u> </u>		·
Storm	Time (min.)	Release (cfs)	Outflow (ft ³)	÷		
10	20	4.04	2,424	[
15	25	4.04	3,030	;		; !
20	30	4.04	3,636			
30	40	4.04	4,848		eren eren eren. Kanada eren eren	
40	50	4.04	6,060	}		
50 60	60 70	4.04 4.04	7,272 8,484		; ;	
70	80	4.04	9,696			
80	90	4.04	10,908		·	
90	100	4.04	12,120	1	:	
100	110	4.04	13,332			
110	120	4.04	14,544			
120	130	4.04	15,756			
Detention V	olume			<u> </u>	:	
Storm	Inflow (ft ³)	Outflow (ft ³)	Storage (ft ³)		;	`
10	11,195	2,424	8,771			:
15	14,953	3,030	11,923			
20	17,790	3,636	14,154	1		
30 40	22,084	4,848	17,236	1		
40 50	24,538 26,071	6,060 7,272	18,478 18,799			
60	27,605	8,484	19,121	4	[
70	30,059	9,696	20,363	1		
80	30,672	10,908	19,764			
90	31,746	12,120	19,626			
100	33,739	13,332	20,407	<- Controls		
110 120	33,739 33,126	14,544 15,756	19,195 17,370		· · · · · · · · · · · · · · · · · · ·	:
12.0	00,120	10,700	11,370	1		

		ational Meth	,	.)			1
	Exist	ng Condition					
Area	r \		acres		<u> </u>	<u> </u>)
Time (C value		0.35	minutes				: }
l ₂₅		6.70	in/hr			<u> </u>	<u> </u>
Q ₂₅		7.55		4	<u> </u>		: } }
25		7.00	010	J	<u> </u>	.4	: :
		4.71	cfs	Allowable F	Release		
Onsite	Prop	osed Condition	ons	1	Proposed B	vpass	:
Area			acres		Area		acres
Time (Γ _c)	10	minutes		Time (T _c)	10	minutes
C value	•	0.90			C value	0.90	Service and a service and
25	;	8.30			l ₂₅		in/hr
Q ₂₅		21.21	cfs		Q ₂₅	2.84	cfs
					.l		6
Runoff	per S	torm Event -	Developed	1			
Time (min.)	1 ₂₅	C value	Area (ac)	Runoff (cfs)		
10	and the same of	8.3	0.90	2.84	21.21	in the second	
16		7.4 6.7	0.90 0.90	2.84 2.84	18.91 17.13	ļ	
3(5.5	0.90	2.84	17.13		
40)	4.7	0.90	2.84	12.01		
50		4.0	0.90	2.84	10.22		
60		3.5 3.3	0.90 0.90	2.84 2.84	8.95 8.43		
. 80		3.0	0.90	2.84	7.67		:
90		2.8	0.90	2.84	7.16		
10		2.5	0.90	2.84	6.39		
11 12		2.3 2.2	0.90 0.90	2.84	5.88 5.62	<u> </u>	
12	<u>ن</u>	2.2	0.90	2.04	3.02		
Inflow	per S	torm Event	and the second second	<u></u>	1	garan na n	
Storm	Event	Runoff (cfs)	Inflow (ft ³)		}		
10		21.21	12,729				
15 20		18.91 17.13	17,023 20,550		}		
30		14.06	25,304				! !
40		12.01	28,832	Communication of the Communica			(
50		10.22	30,672	(ļ		
60 70		8.95 8.43	32,206 35,426		: 	ļ	
80		7.67	36,806	1			:
90		7.16	38,647				
10		6.39	38,340		ļ.,		
11		5.88 5.62	38,800 40,487	A	ļ., ,	ļ	
12		3.02				ļ	
Outflo	w per	Storm Event					
Sto		Time (min.)	Release (cfs)		i Denomination	! {*** * *** ***	
10		20 25	4.71 4.71	2,827 3,534	landa a ser er e	 	
20		30	4.71	4,241			
30		40	4.71	5,655	de en la companya de la companya de La companya de la companya de		
40		50	4.71	7,068	}	1	
50 60		60 70	4.71 4.71	8,482 9,896	ļ		
70		80	4.71	11,310			
80)	90	4.71	12,723	Principles of the second of th	10 40 100 100 100 100	e eta arra de la compansión en la compansión de la compan
90		100	4.71	14,137			
10	Service and	110 120	4.71 4.71	15,551 16,964	i Zorani sa		
12	A series of the first	120	4.71	18,378	<u> </u>	ļ	
Detent						de en	
Stor	and the second	Inflow (ft ³)	Outflow (ft ³)	Storage (ft ³)	: :	:	: }
10		12,729 17,023	2,827 3,534	9,902 13,489	į	;	
20		20,550	4,241	16,309	1	1	
30)	25,304	5,655	19,650	;		
40		28,832	7,068	21,763	; }		
50 60		30,672 32,206	8,482 9,896	22,190 22,310	1		
70		35,426	11,310	24,117		1	
80) 1	36,806	12,723	24,083	Anna ann an ann an ann an ann an ann an a		/
90		38,647	14,137	24,510	< Controls		
10		38,340	15,551	22,789	: \$1	<u> </u>	:
7.7	U :	38,800	16,964	21,836	4		

	ational Meth	10 a	ļ	1	ing the second	
Onsite Exist	ing Condition	S	1	<u></u>		
Area		acres				
Time (T _c)	20	minutes		1	#	
C value	0.35			1		
1100	8.30	in/hr		:		
Q ₁₀₀	9.35	cfs		1	1	
	0.00		A11	1		
	6.00	CIS	Allowable F	(elease		
	osed Conditio			Proposed B	 	
Area		acres		Area		acres
Time (T _c) C value	0.90	minutes		Time (T _c) C value	0.90	minutes
	9.80	and the second second second		I ₁₀₀	Assess as a second	in/hr
1 ₁₀₀	25.05				3.35	
Q ₁₀₀	25.05	CIS		Q ₁₀₀	3.33	CIS
	torm Event -	***************************************	; Avec (2.2)	; : D (-f-)	·	
Time (min.) 10	I ₁₀₀ 9.8	C value 0.90	Area (ac) 2.84	Runoff (cfs) 25.05	<u> </u>	
10 15	9.0	0.90	2.84	23.00	1	
20	8.3	0.90	2.84	21.21	:	
30	6.9	0.90	2.84	17.64		· · · · · · · · · · · · · · · · · · ·
40	5.8	0.90	2.84	14.82	;	.,
50 60	5.0 4.5	0.90 0.90	2.84	12.78 11.50		
70	4.0	0.90	2.84	10.22		
80	3.7	0.90	2.84	9.46	San and a second of the second	
90	3.5	0.90	2.84	8.95	garan erana	
100	3.4	0.90	2.84	8.69 8.18		
110 120	3.2 2.7	0.90 0.90	2.84 2.84	8.18 6.90	1	
Inflow per S			• · · · · · · · · · · · · · · · · · · ·	1		
Storm Event		Inflow (ft ³)	: 	en Granden en de	i	
10 15	25.05 23.00	15,029 20,704			· !	·
20	21.21	25,458	The second of	Element of the second		
30	17.64	31,746	†			
40	14.82	35,580				
50 60	12.78 11.50	38,340 41,407			ļ	
70	10.22	42,941				
80	9.46	45,395			y a service a service. H	,
90	8.95	48,308				
100 110	8.69 8.18	52,142 53,983		/ · · · · ·		
120	6.90	49,689	4			
			} 1			
	Storm Event	D.1 (sfs)	0.49(43)	: : ***		
Storm 10	Time (min.) 20	Release (cfs) 6.00	Outflow (ft ³) 3,602		1	
15	25	6.00	4,502			
20	30	6.00	5,402	<u> </u>		
30	40	6.00	7,203	:	1	
40 50	50 60	6.00 6.00	9,004 10,805	1 !		
60	70	6.00	12,605	,	: · · · · · · ·	
70	80	6.00	14,406		· · · · · · · · · · · · · · · · · · ·	,
80	90	6.00	16,207	: 	ļ	
90 100	100 110	6.00 6.00	18,008 19,808	[<u> </u>	
110	120	6.00	21,609			
120	130	6.00	23,410			
Detect					; ;	
Storm	Inflow (ft ³)	Outflow (ft ³)	Storage (ft ³)	·	:	
Storm 10	15,029	3,602	11,428]		
15	20,704	4,502	16,202	#		
20	25,458	5,402	20,056		1	
30	31,746	7,203	24,543	er e		
40 50	35,580 38,340	9,004 10,805	26,576 27,536	: 		
60	41,407	12,605	28,802	1		
70	42,941	14,406	28,535			,
80	45,395	16,207	29,188			
90	48,308	18,008	30,301			
100	52,142	19,808	32,334	1	1	
110	53,983	21,609	32,374	<- Controls	;	

Elevation (ft) Area (ft²) Storag	je (ft³
544 0 (
)
545 3,067 1,5	34
546 5,830 5,9	982
547 7,802 12,	798
548 9,978 21,6	388
549 12,322 32,	838

<u> </u>								
Q _{in} (cfs)	Q _{out} (cfs)	Q _{allow} (cfs)	Storage (ft ³)	WSEL (ft)				
15.85	3.40	3.40	17,806	547.56				
18.66	3.55	4.04	20,407	547.86				
21.21	4.00	4.71	24,510	548.25				
25.05	5.95	6.00	32,374	548.96				
	15.85 18.66 21.21	Q _{in} (cfs) Q _{out} (cfs) 15.85 3.40 18.66 3.55 21.21 4.00	Q _{in} (cfs) Q _{out} (cfs) Q _{allow} (cfs) 15.85 3.40 3.40 18.66 3.55 4.04 21.21 4.00 4.71	18.66 3.55 4.04 20,407 21.21 4.00 4.71 24,510				

Elevation-Discharge Table			
Elevation (ft)	Discharge (cfs)		
544	0.00		
545	1.52		
546	2.43		
547	3.09		
548	3.62		
549	6.09		

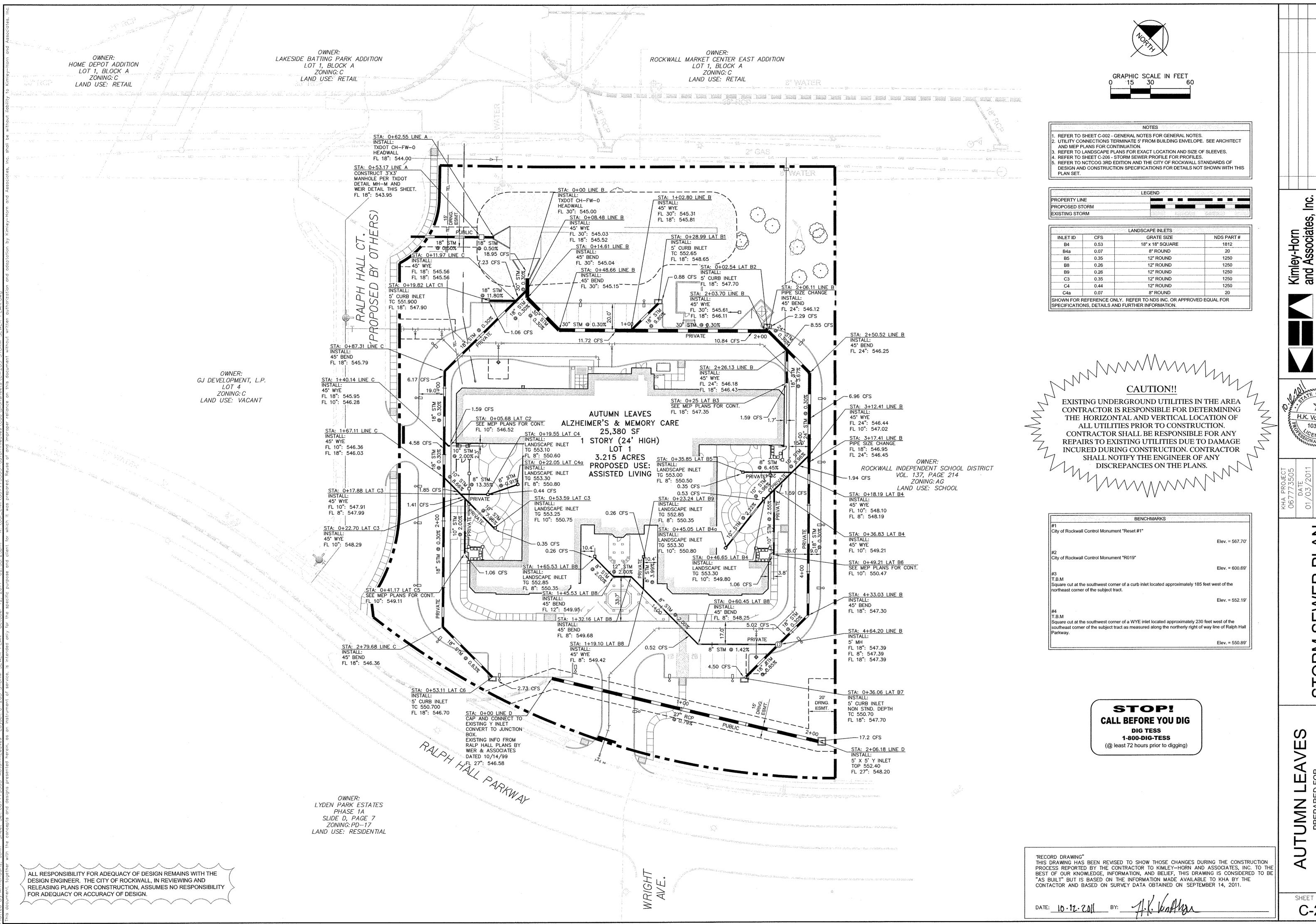
"RECORD DRAWING"
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY—HORN AND ASSOCIATES, INC. TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THIS DRAWING IS CONSIDERED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE TO KHA BY THE CONTACTOR AND BASED ON SURVEY DATA OBTAINED ON SEPTEMBER 14, 2011.

SHEET NUMBER C-204

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

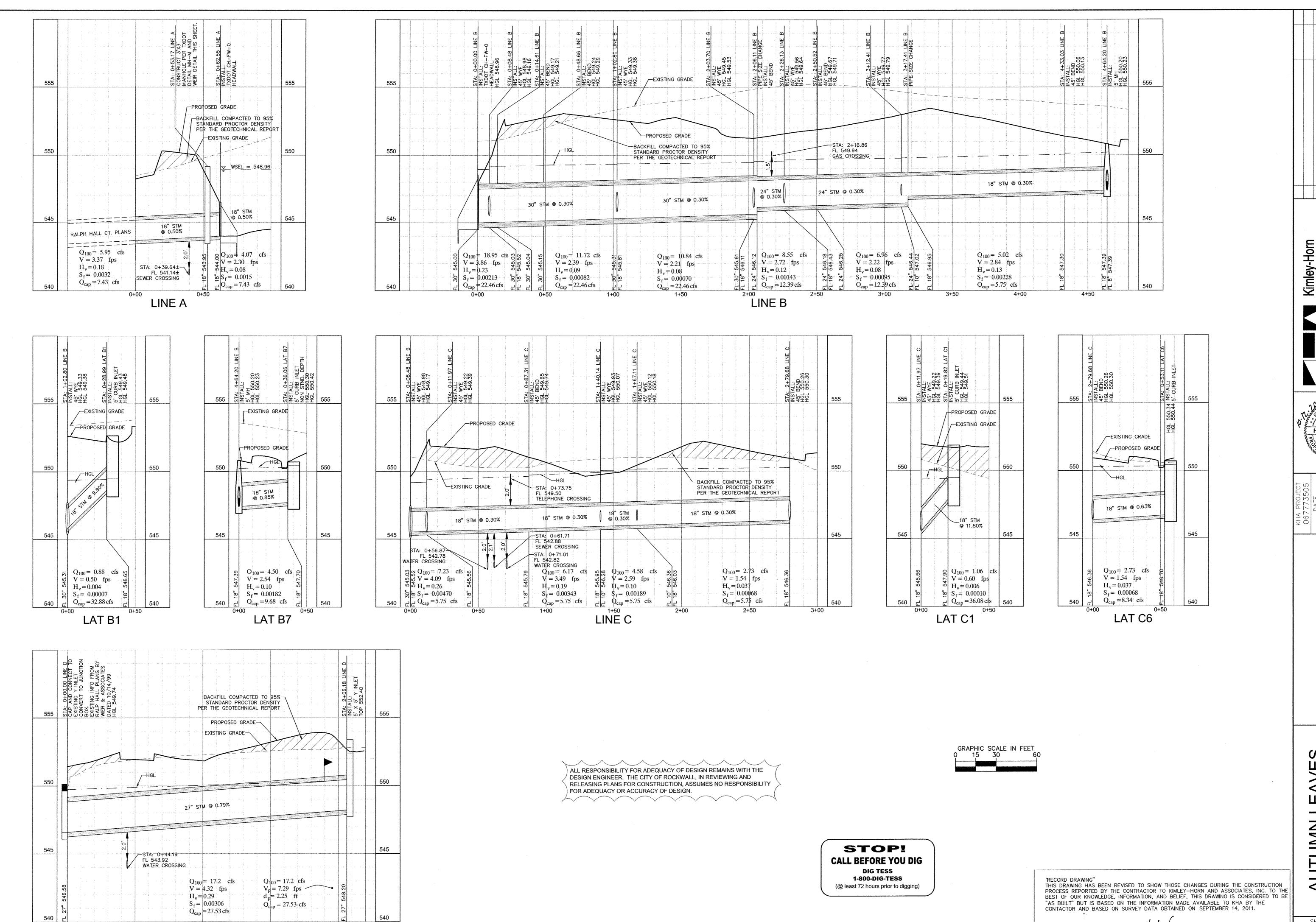






H.K. VonAhsen

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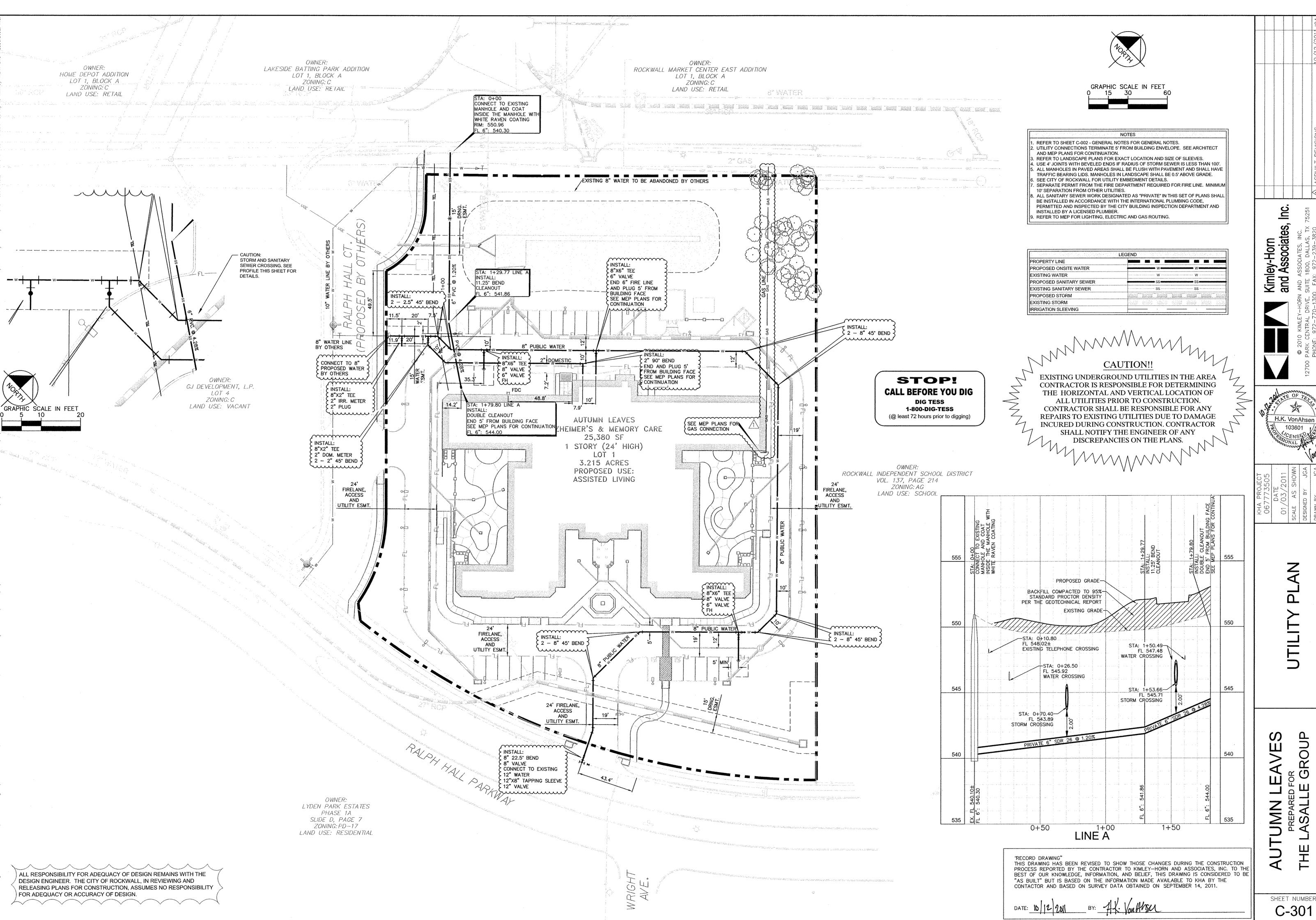
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EWE! SE PRO STORM

ROUP **TUMN LEAVES**

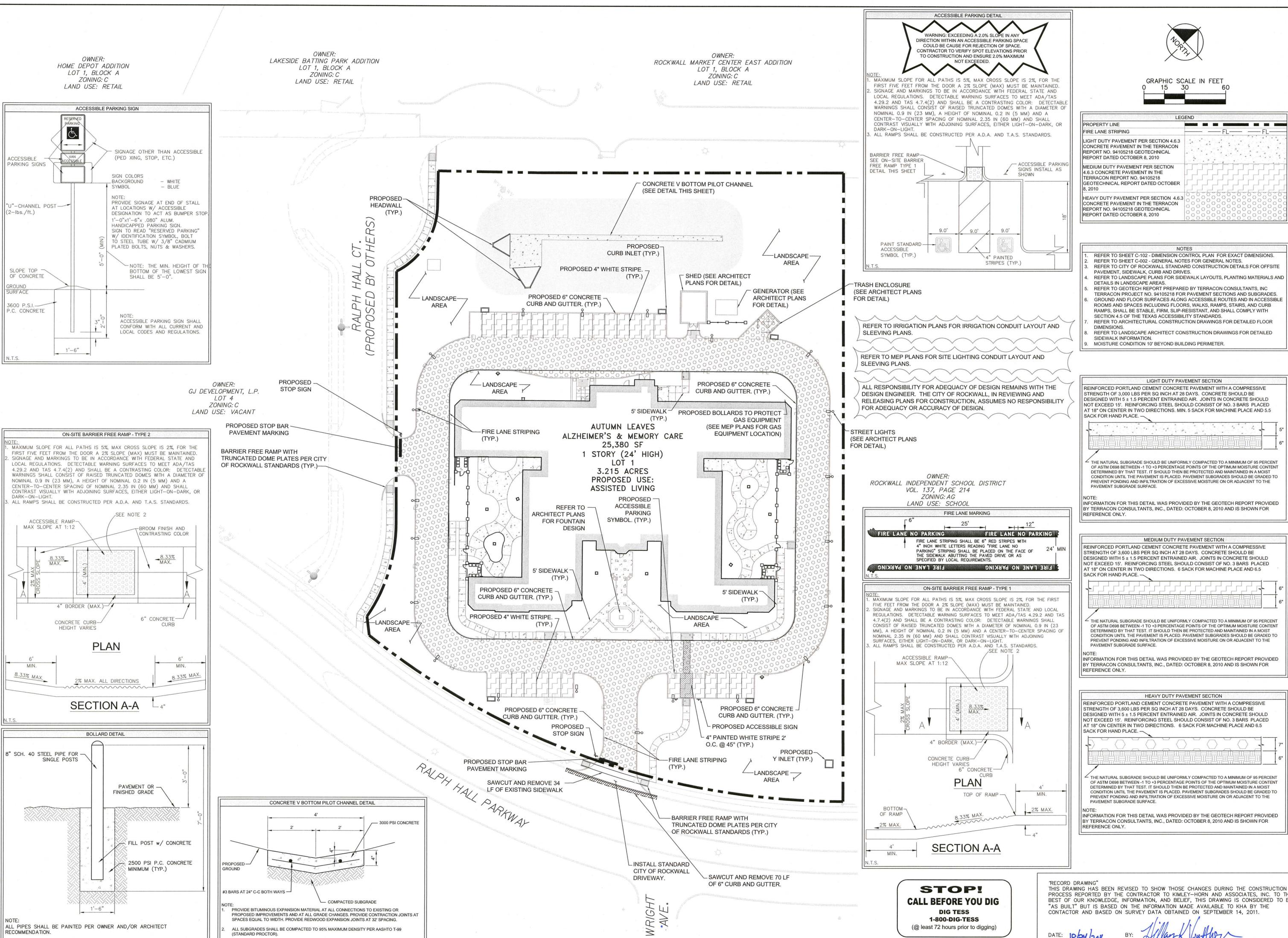
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H.K. VonAhsen

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REFER TO CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS FOR OFFSITE

REFER TO LANDSCAPE PLANS FOR SIDEWALK LAYOUTS, PLANTING MATERIALS AND REFER TO GEOTECH REPORT PREPARED BY TERRACON CONSULTANTS, INC.

TERRACON PROJECT NO. 94105218 FOR PAVEMENT SECTIONS AND SUBGRADES. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS. SHALL BE STABLE, FIRM, SLIP-RESISTANT, AND SHALL COMPLY WITH

REFER TO LANDSCAPE ARCHITECT CONSTRUCTION DRAWINGS FOR DETAILED

REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT WITH A COMPRESSIVE DESIGNED WITH 5 ± 1.5 PERCENT ENTRAINED AIR. JOINTS IN CONCRETE SHOULD NOT EXCEED 15'. REINFORCING STEEL SHOULD CONSIST OF NO. 3 BARS PLACED AT 18" ON CENTER IN TWO DIRECTIONS. MIN. 5 SACK FOR MACHINE PLACE AND 5.5

THE NATURAL SUBGRADE SHOULD BE UNIFORMLY COMPACTED TO A MINIMUM OF 95 PERCENT OF ASTM D698 BETWEEN -1 TO +3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY THAT TEST. IT SHOULD THEN BE PROTECTED AND MAINTAINED IN A MOIST CONDITION UNTIL THE PAVEMENT IS PLACED. PAVEMENT SUBGRADES SHOULD BE GRADED TO

INFORMATION FOR THIS DETAIL WAS PROVIDED BY THE GEOTECH REPORT PROVIDED BY TERRACON CONSULTANTS, INC., DATED: OCTOBER 8, 2010 AND IS SHOWN FOR

REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT WITH A COMPRESSIVE DESIGNED WITH 5 ± 1.5 PERCENT ENTRAINED AIR. JOINTS IN CONCRETE SHOULD NOT EXCEED 15'. REINFORCING STEEL SHOULD CONSIST OF NO. 3 BARS PLACED

OF ASTM D698 BETWEEN -1 TO +3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY THAT TEST. IT SHOULD THEN BE PROTECTED AND MAINTAINED IN A MOIST CONDITION UNTIL THE PAVEMENT IS PLACED. PAVEMENT SUBGRADES SHOULD BE GRADED TO PREVENT PONDING AND INFILTRATION OF EXCESSIVE MOISTURE ON OR ADJACENT TO THE

BY TERRACON CONSULTANTS, INC., DATED: OCTOBER 8, 2010 AND IS SHOWN FOR

CONDITION UNTIL THE PAVEMENT IS PLACED. PAVEMENT SUBGRADES SHOULD BE GRADED TO

INFORMATION FOR THIS DETAIL WAS PROVIDED BY THE GEOTECH REPORT PROVIDED

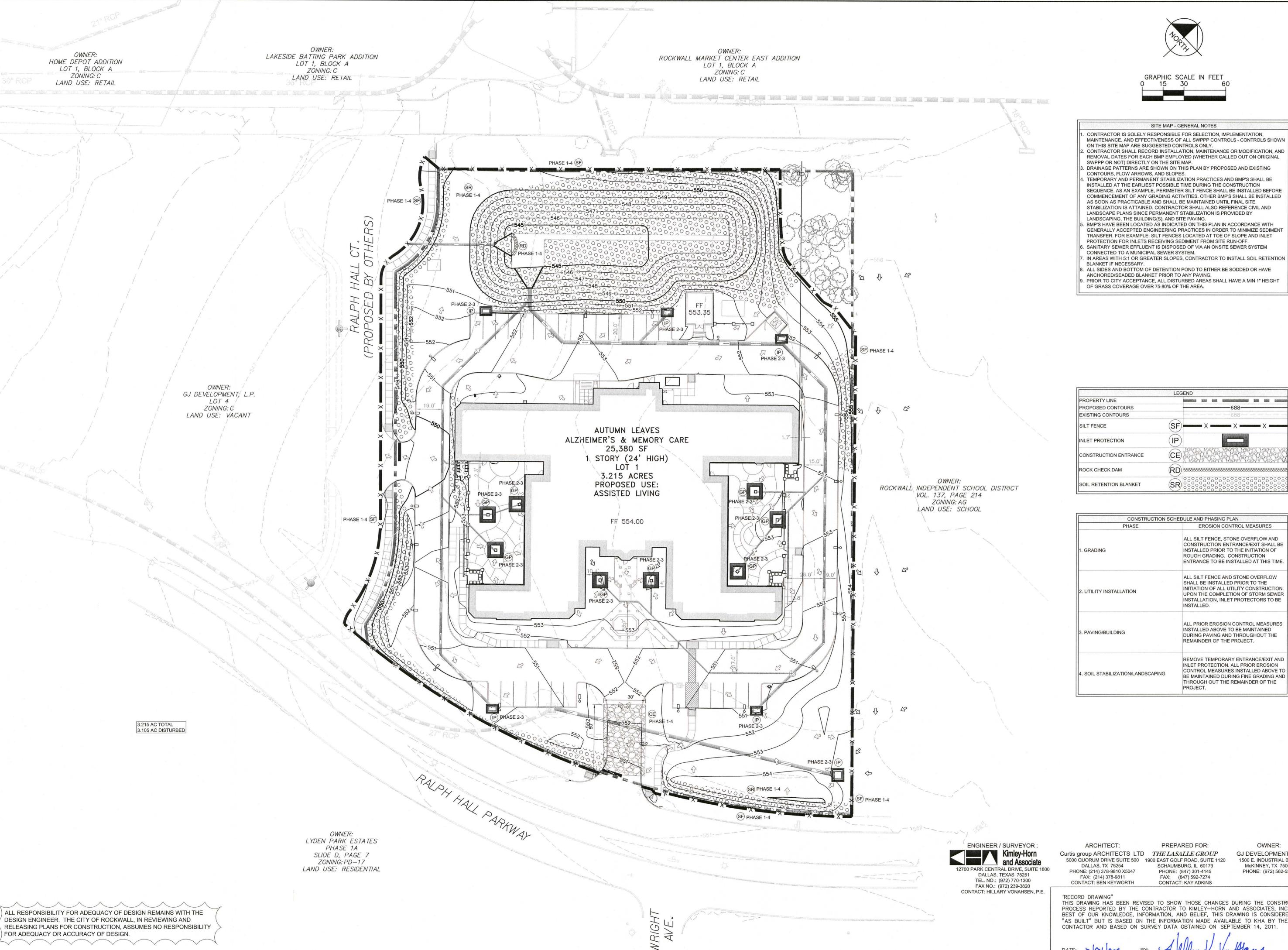
PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THIS DRAWING IS CONSIDERED TO BE

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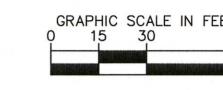
Kimley-Horn and Associates,

W

H.K. VonAhsen







SITE MAP - GENERAL NOTES CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.

SWPPP OR NOT) DIRECTLY ON THE SITE MAP. DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY PROPOSED AND EXISTING

CONTOURS, FLOW ARROWS, AND SLOPES. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY

LANDSCAPING, THE BUILDING(S), AND SITE PAVING. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.

CONNECTED TO A MUNICIPAL SEWER SYSTEM.

7. IN AREAS WITH 5:1 OR GREATER SLOPES, CONTRACTOR TO INSTALL SOIL RETENTION

BLANKET IF NECESSARY. . ALL SIDES AND BOTTOM OF DETENTION POND TO EITHER BE SODDED OR HAVE ANCHORED/SEADED BLANKET PRIOR TO ANY PAVING.

PRIOR TO CITY ACCEPTANCE, ALL DISTURBED AREAS SHALL HAVE A MIN 1" HEIGHT OF GRASS COVERAGE OVER 75-80% OF THE AREA.

	LEGEND
PROPERTY LINE	MARKET MAIN AND REPORTED THE REAL PROPERTY.
PROPOSED CONTOURS	688
EXISTING CONTOURS	688
SILT FENCE	SF X — X — X —
INLET PROTECTION	(IP)
CONSTRUCTION ENTRANCE	CE TO THE TOTAL TO
ROCK CHECK DAM	(RD)
SOIL RETENTION BLANKET	SR 000000000000000000000000000000000000

CONSTRUCTION SC	HEDULE AND PHASING PLAN		
PHASE	EROSION CONTROL MEASURES		
1. GRADING	ALL SILT FENCE, STONE OVERFLOW AND CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING. CONSTRUCTION ENTRANCE TO BE INSTALLED AT THIS TIME. ALL SILT FENCE AND STONE OVERFLOW SHALL BE INSTALLED PRIOR TO THE INITIATION OF ALL UTILITY CONSTRUCTION. UPON THE COMPLETION OF STORM SEWER INSTALLATION, INLET PROTECTORS TO BE INSTALLED.		
2. UTILITY INSTALLATION			
3. PAVING/BUILDING	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.		
4. SOIL STABILIZATION/LANDSCAPING	REMOVE TEMPORARY ENTRANCE/EXIT AN INLET PROTECTION. ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE BE MAINTAINED DURING FINE GRADING A THROUGH OUT THE REMAINDER OF THE PROJECT.		

PREPARED FOR: 5000 QUORUM DRIVE SUITE 500 1900 EAST GOLF ROAD, SUITE 1120 SCHAUMBURG, IL 60173 PHONE: (847) 301-4145 FAX: (847) 592-7274 CONTACT: KAY ADKINS

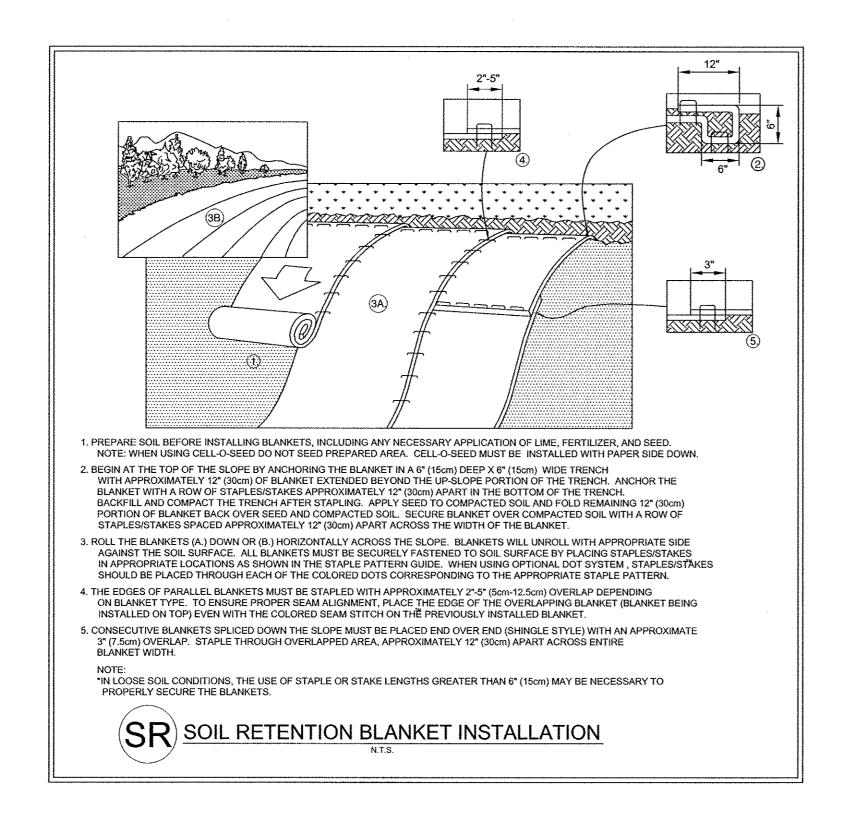
GJ DEVELOPMENT, LP. 1500 E. INDUSTRIAL BLVD. McKINNEY, TX 75069 PHONE: (972) 562-5555

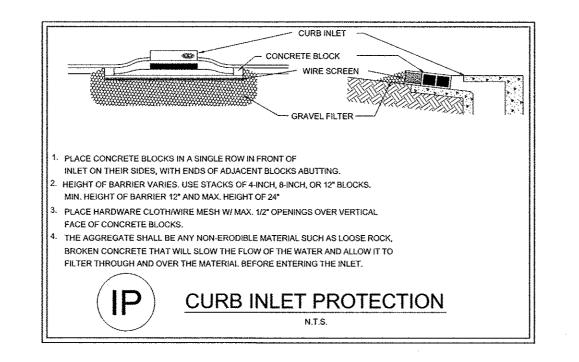
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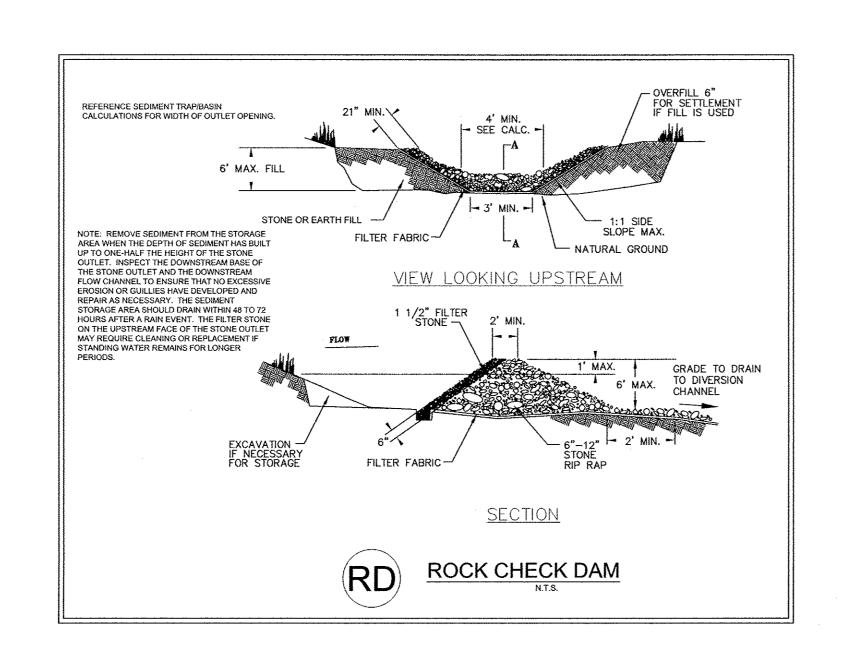
SHEET NUMBER C-501

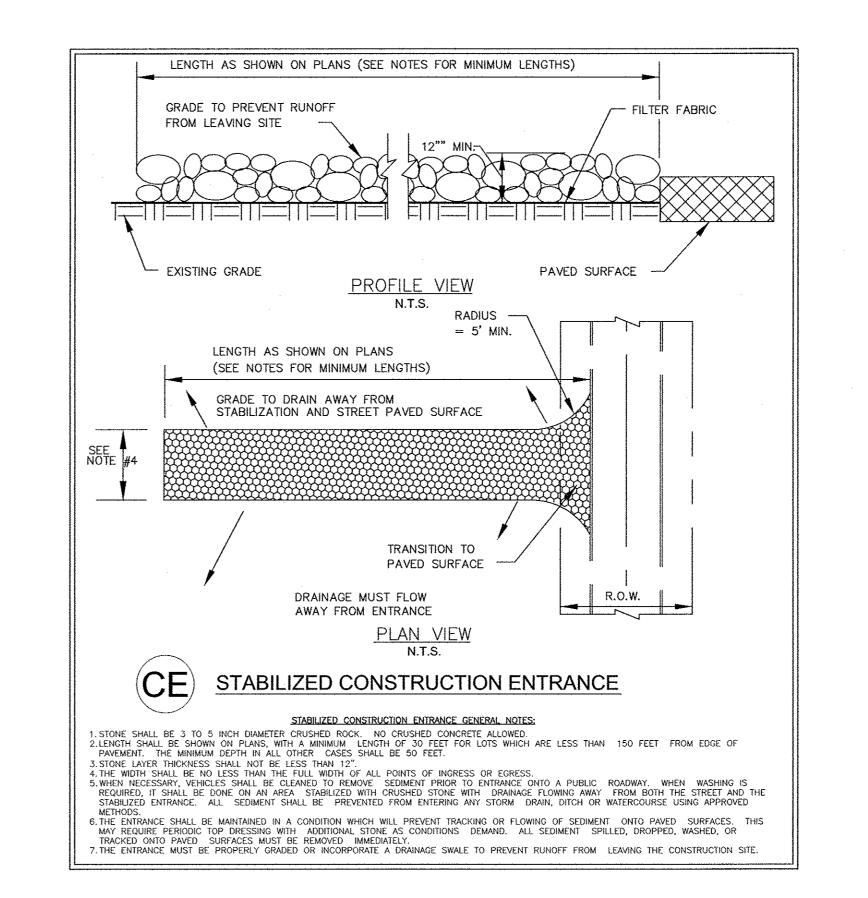
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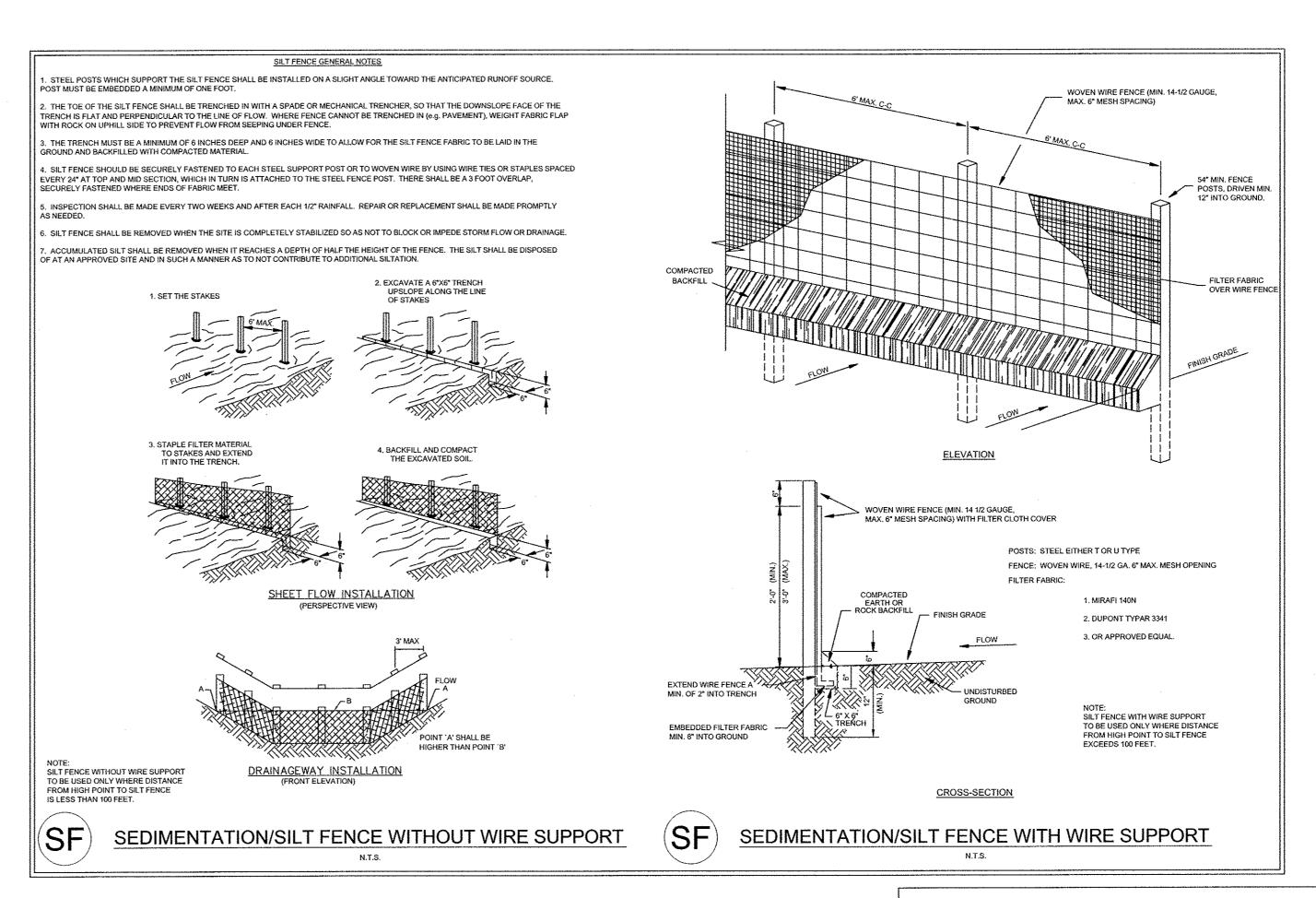
Kimley-Horn and Associates, I











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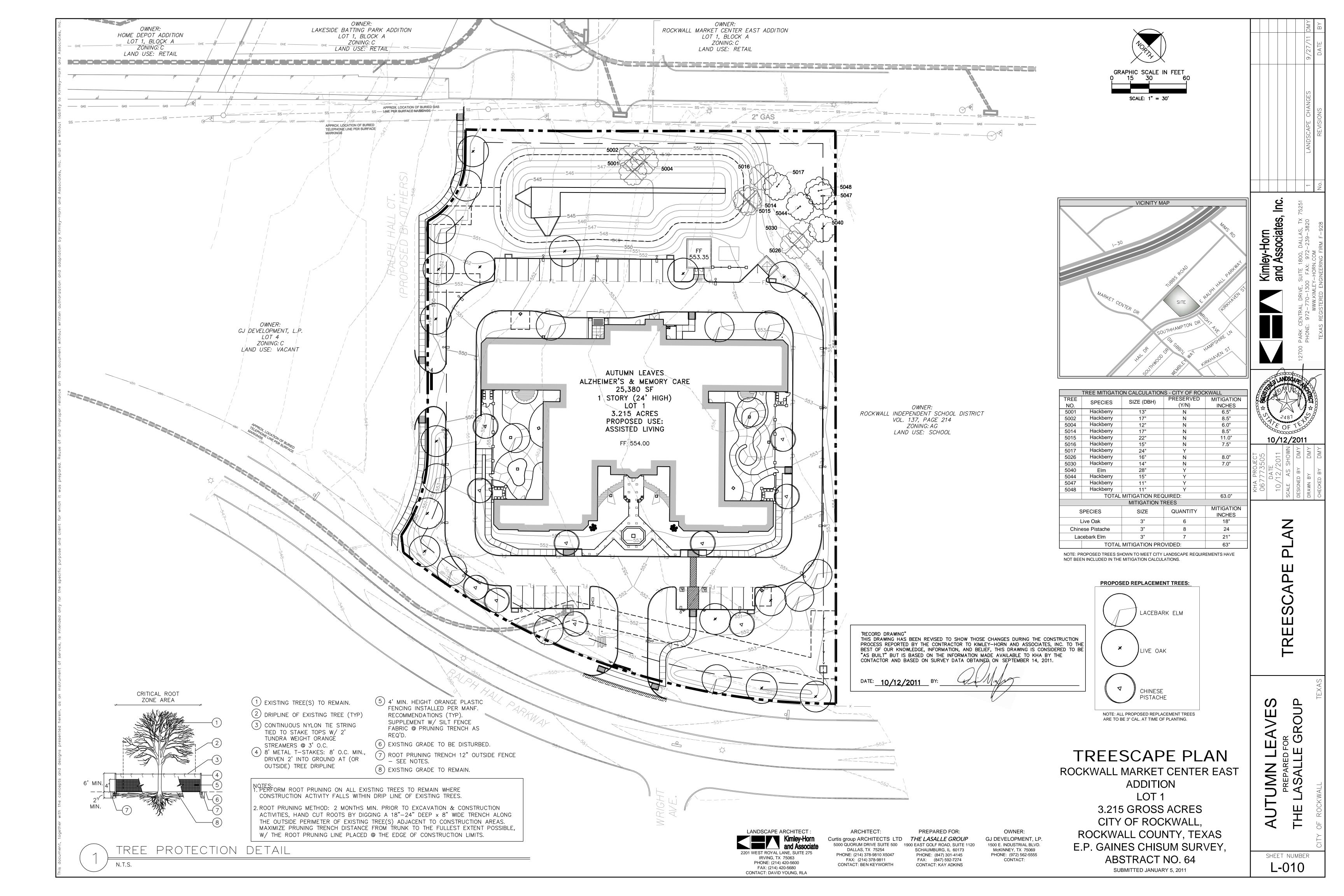
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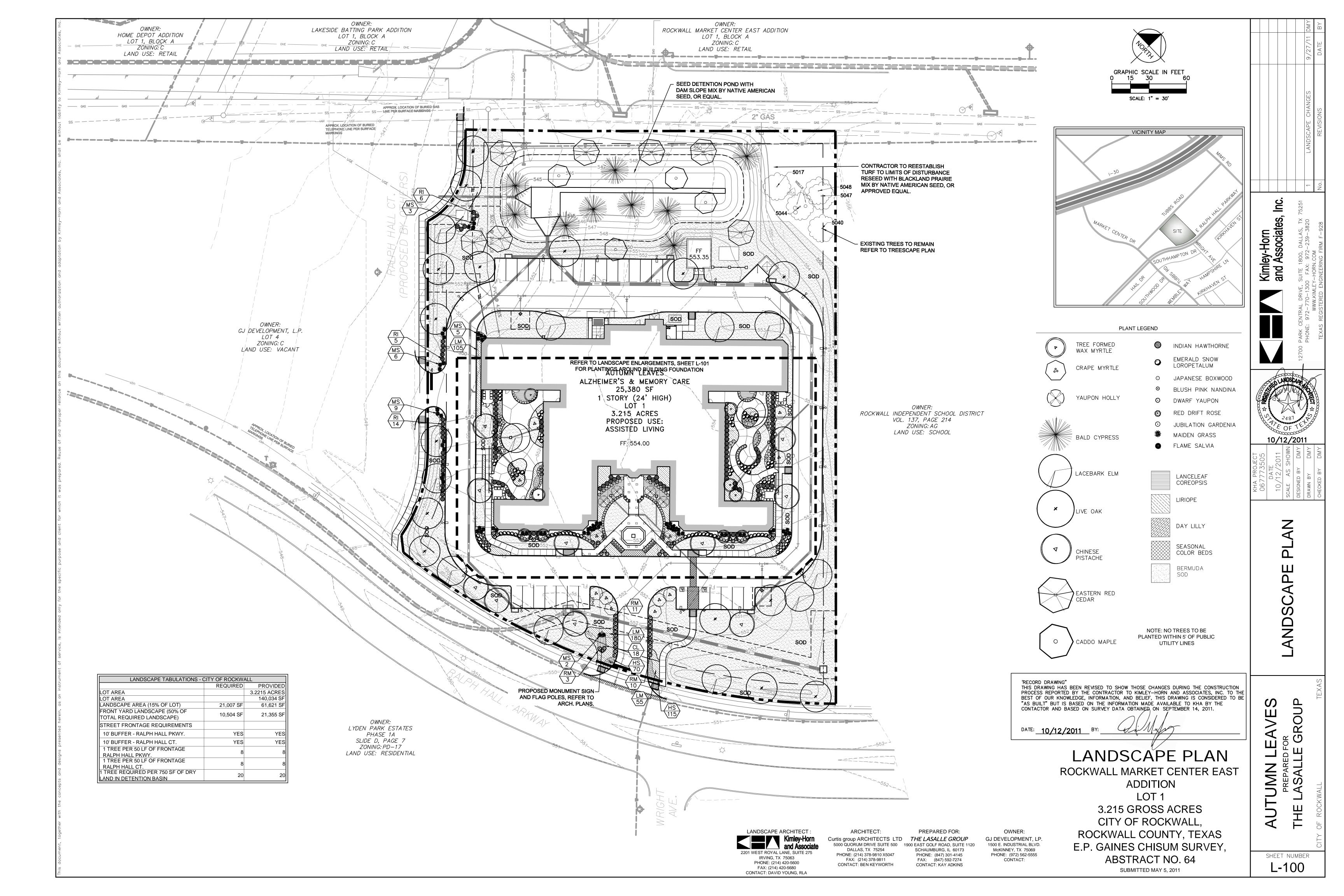
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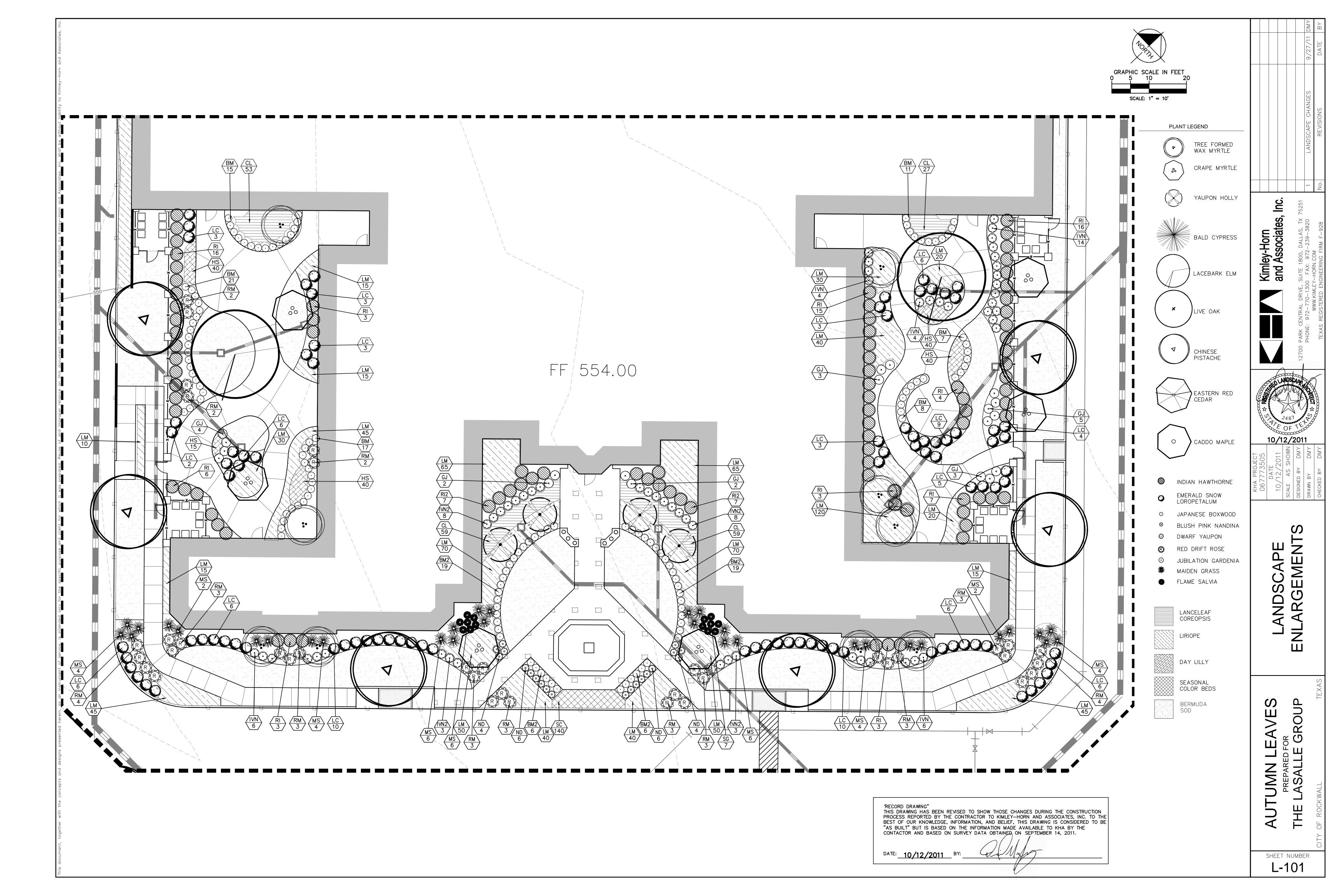


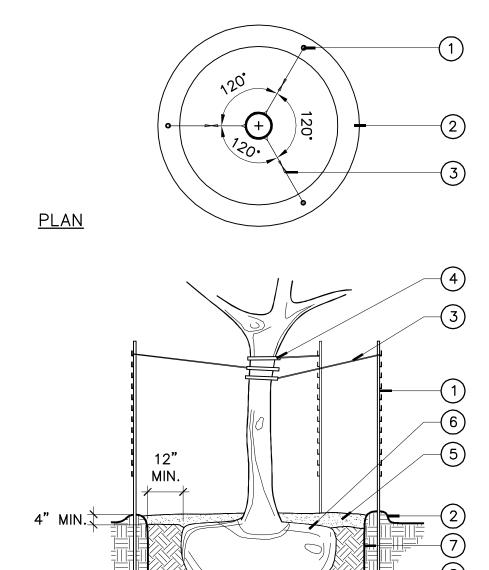
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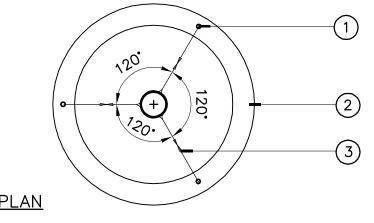


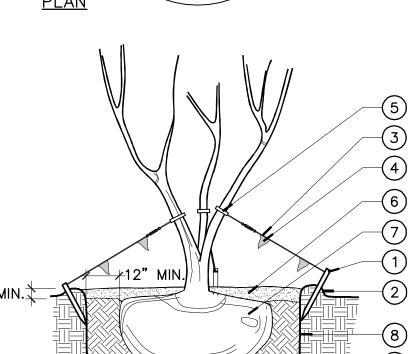




- 1 2"X2"X8' STEEL FENCE 'T' POST, 3 PER TREE, EQUALLY SPACED, MATERIAL PER NOTES AND/OR SPECIFICATIONS.
- (2) 4" EARTH SAUCER
- 3 GALVANIZED GUY WIRE; ADD TURNBUCKLES AS NECESSARY TO STABILIZE TREE.
- (4) RUBBER CHAFING GUARDS
- (5) 4" MULCH PER SPECIFICATIONS
- 6 ROOT BALL: REMOVE BURLAP, BURLAP TIES, AND WIRE BASKET FROM TOP 1/3 OF ROOTBALL. REMOVE ALL NYLON STRINGS, PLASTIC LINERS, AND OTHER SYNTHETIC MATERIALS FROM THE ENTIRE ROOTBALL.
- 7 PLANTING PIT EXCAVATED 24"
 LARGER (MIN.) THAN WIDTH OF
 ROOTBALL. PIT DEPTH AS NEEDED
 TO SET ROOTBALL COLLAR AT
 PROPOSED FINISHED GRADE. PLACE
 ROOTBALL ON SOLID SOIL AND NOT
 LOOSE BACKFILL.
- 8 PIT BACKFILL SOIL PER SPECIFICATIONS
- (9) UNDISTURBED EARTH

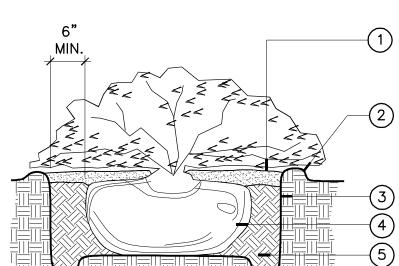
TREE PLANTING N.T.S.





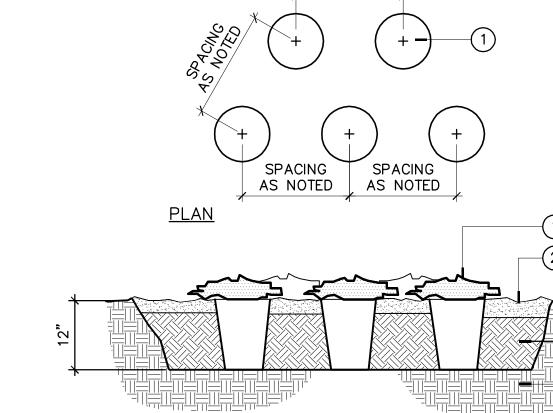
- 1) 2"X2"X24" WOOD STAKE, 3 PER TREE, MATERIAL PER NOTES AND/OR SPECIFICATIONS
- 2 4" EARTH SAUCER
- 3 GALVANIZED GUY WIRE; ADD TURNBUCKLES AS NECESSARY TO STABILIZE TREE.
- 4 WARNING FLAGS
- (5) RUBBER CHAFING GUARDS
- (6) 4" MULCH PER SPECIFICATIONS
- 7 ROOT BALL: REMOVE BURLAP, BURLAP TIES, AND WIRE BASKET FROM TOP 1/3 OF ROOTBALL. REMOVE ALL NYLON STRINGS, PLASTIC LINERS, AND OTHER SYNTHETIC MATERIALS FROM THE ENTIRE ROOTBALL.
- 8 PLANTING PIT EXCAVATED 24"
 LARGER (MIN.) THAN WIDTH OF
 ROOTBALL. PIT DEPTH AS NEEDED
 TO SET ROOTBALL COLLAR AT
 PROPOSED FINISHED GRADE. PLACE
 ROOTBALL ON SOLID SOIL AND NOT
 LOOSE BACKFILL.
- (9) PIT BACKFILL SOIL PER SPECIFICATIONS
- (10) UNDISTURBED EARTH

B MULTI-TRUNK TREE PLANTING



- 1 4" MULCH PER SPECIFICATIONS
- 2 3" HIGH EARTH SAUCER
- 3 PLANTING PIT: EXCAVATE 12" LARGER (MIN.)
 THAN WIDTH OF ROOTBALL, W/ PIT DEPTH
 AS NEEDED TO SET ROOTBALL @ PROPOSED
 FINISHED GRADE. PLACE ROOTBALL ON
 SOLID SOIL AND NOT LOOSE BACKFILL.
 SCARIFY SIDES OF PIT. PROVIDE
 CONTINUOUS PIT FOR MASSED BED
 PLANTINGS.
- 4 ROOT BALL: REMOVE FROM CONTAINER. GENTLY SCARIFY GIRDERED ROOTS AS NEEDED. REMOVE ALL TAGS & TWINE.
- 5 PIT BACKFILL W/ PREPARED SOIL BED MIX PER SPECIFICATIONS. PROVIDE CONTINUOUS SOIL BED MIX IN MASS PLANTINGS.
- 6 UNDISTURBED EARTH





SPACING AS NOTED

(1) GROUNDCOVER

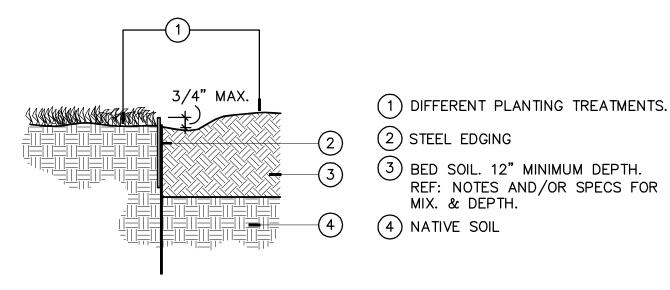
4 EXISTING SUBGRADE

(2) 4" MULCH PER SPECIFICTIONS

(3) BED SOIL PER SPECIFICATIONS

GROUNDCOVER PLANTING

N.T.S.





PLANTING NOTES

- 1. ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- 2. NO SUBSTITUTIONS IN PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR LANDSCAPE ARCHITECT. ANY SUBSTITUTIONS OF PLANT MATERIALS WILL REQUIRE RESUBMITTAL AND APPROVAL BY THE CITY. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL.
- 3. LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.
- 4. ALL LANDSCAPED AREAS SHALL BE FULLY IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM.
- 5. STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.
- 6. PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.
- 7. PROVIDE A STEEL EDGE BETWEEN ALL PLANTING BEDS AND LAWN AREAS.
- 8. ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 4" SHREDDED HARDWOOD MULCH.
- 9. PROVIDE GRASS SEEDING OR LAY SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/OR LIMITS OF DISTURBANCE OUTSIDE OF PROPERTLY LINE.
- 10. THE CONTRACTOR, SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO, MOWING, EDGING, PRUNING, FERTILIZING, WATERING, WEEDING, AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.
- 11. 100% COVERAGE OF GROUNDCOVER, DECORATIVE PAVING, DECORATIVE ROCK (NOT LOOSE), OR A PERENNIAL GRASS IS REQUIRED IN PARKING LOT ISLANDS, SWALES AND DRAINAGE AREAS, THE PARKING LOT SETBACK, RIGHT—OF—WAYS AND ADJACENT PROPERTY DISTURBED DURING CONSTRUCTION.
- 12. ALL DISTURBED AREAS ON SITE NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH SEED OR HYDROMULCH.
- 13. ALL LANDSCAPE BED AREAS TO BE PREPARED USING LANDSCAPER'S BLEND BY SOIL BUILDING SOLUTIONS OR EQUAL. CONTRACTOR TO MIX 4" LAYER OF SBS LANDSCAPER'S BLEND WITH NATIVE SOIL AND TILL TO A DEPTH OF 8". FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING PLAN.

COUNT	TAG	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
				1
10	PC	Pistacia chinensis	Chinese Pistache	3" cal. min., 10-12' ht. x 3-5' sprd., Straight Trunk, Full Branching
9	TD	Taxodium distichum	Bald Cypress	3" cal. min., 10-12' ht. x 3-5' sprd., Straight Trunk, Full Branching
12	UP	Ulmus parvifolia	Lacebark Elm	3" cal. min., 10-12' ht. x 3-5' sprd., Straight Trunk, Full Branching
15	QV	Quercus virginianna	Live Oak	3" cal. min., 10-12' ht. x 3-5' sprd., Straight Trunk, Full Branching
12	LI	Lagerstoemia indica	Crape Myrtle	Multi-trunk Specimen, 3 Stems min., 3" cal. min., Full Branching, 10' ht. min.
4	IV	Ilex vomitoria	Yaupon Holly	Multi-trunk Specimen, 3 Stems min., 3" cal. min., Full Branching, 10' ht. min.
9	МС	Myrica cerifera	Wax Myrtle	Single trunk Specimen, 3 Stems min., 3" cal. min., Full Branching, 10' ht. min.
7	JV	Juniperus virginiana	Easter Red Cedar	3" cal. min., 10-12' ht. x 3-5' sprd., Straight Trunk, Full Branching
4	AB	Acer barbatum var. Caddo	Caddo Maple	3" cal. min., 10-12' ht. x 3-5' sprd., Straight Trunk, Full Branching
		1	1	
62	BM	Buxus microphylla koreana 'Wintergreen'	Wintergreen Boxwood	3 gal. container, 12" ht. min., Full and Matching, 24" O.C.
61	BM2	Buxus microphylla koreana 'Wintergreen'	Wintergreen Boxwood	5 gal. container, 15" ht. min., Full and Matching, 24" O.C.
20	ND	Nandina domestica 'AKA'	Blush Pink Nandina	5 gal. container, 18" ht. min., Full and Matching, 24" O.C.
65	RM	Rosa x 'Meigalpio'	Red Drift Rose	7 gal. container, 18" ht. min., Full and Matching.
102	RI	Ralphiolepis indica	Indian Hawthorne	18" ht. x 30" w. min., 5 gal. min, Full and Matching, 42" O.C.
14	RI2	Ralphiolepis indica	Indian Hawthorne	24" ht. x 36" w. min., 7 gal. min, Full and Matching, 42" O.C.
91	LC	Loropetalum chinense 'Emerald Snow'	Emerald Snow Loropetalum	24" ht. x 24" w. min., 5 gal., Full and Matching, 36" O.C.
34	IVN	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	12" ht. x 18" w. min., 5 gal. min., Full and Matching, 24" O.C.
22	INV2	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	18" ht. x 24" w. min., 7 gal. min., Full and Matching, 24" O.C.
19	GJ	Gardenia jasminoides 'Leeone'	Jubilation Gardenia	18" ht. x 30" w. min., 7 gal. min., Full and Matching, 30" O.C.
59	MS	Miscanthus sinensis 'Gracillimus'	Maiden Grass	5 gal. container, 24" ht. min., Matching, 36" O.C.
14	SG	Salvia greggii 'Flame'	Flame Salvia	3 gal. container, 18" w. x 18" ht. min., Full and Matching, 24" O.C.
			T	
216	CL	Coreopsis lanceolata	Lanceleaf Coreopsis	1 gal. container, 18" O.C., Tri. Spacing
1,215	LM	Liriope Muscari 'Big Blue'	Big Blue Liriope	1 gal. pots min., 18" O.C., Tri. Spacing
360	HS	Hemerocallis spp.	Daylilly	1 gal. pots min., 12" O.C., Tri. Spacing, Contractor to select yellow variety.
140	SC	Seasonal Color		4" pots min., 8" O.C., Tri Spacing, contractor to select materials appropriate for time of year.
4,815 SY	SOD	Cynodon spp.	Bermuda Sod	Tight, sand rolled joints, finished sod to be free of weeds.
	ME	Metal Edge		3" Metal Edge, color to be black or green, Metal Edge to be provide wherever a plant bed meets sod.

"RECORD DRAWING"
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY—HORN AND ASSOCIATES, INC. TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THIS DRAWING IS CONSIDERED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE TO KHA BY THE CONTACTOR AND BASED ON SURVEY DATA OBTAINED, ON SEPTEMBER 14, 2011.

DATE: 10/12/2011 BY:

AUTUMN LEAVES
PREPARED FOR
THE LASALLE GROUF

ley-Horn Associates,

Kiml and

10/12/2011

AILS

