CIVIL CONSTRUCTION PLANS

FOR

LAKEPOINTE CHURCH - ROCKWALL CAMPUS
RING ROAD PROJECT
LOT 3, BLOCK A
LAKE POINTE BAPTIST CHURCH ADDITION
701 E. INTERSTATE 30

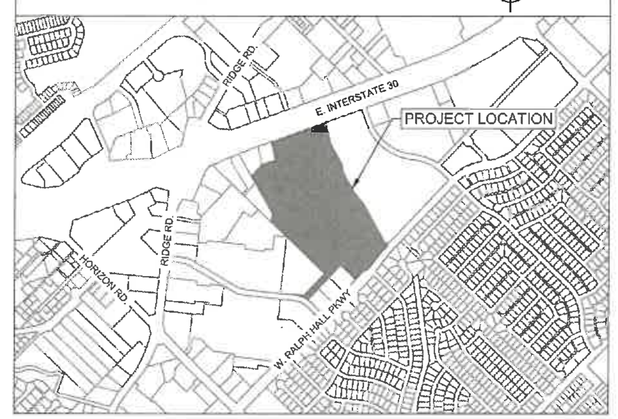
PLANS SUBMITTAL/REVIEW LOG

FIRST CITY SUBMITTAL -NOT FOR CONSTRUCTION	05/17/2024
SECOND CITY SUBMITTAL - NOT FOR CONSTRUCTION	07/23/2024
THIRD CITY SUBMITTAL - NOT FOR CONSTRUCTION	08/20/2024
ISSUE FOR CONSTRUCTION	09/19/2024

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 — DATE:
MATT LUCAS, P.E. — BY:

VICINITY MAP N.T.S.



CIVIL SHEET INDEX

RELEASED FOR CONSTRUCTION
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.

CITY — DATE 9/23/24

OWNER

LAKEPOINTE CHURCH

LAKEPOINTE BAPTIST CHURCH
701 I-30
ROCKWALL, TX 75087
CONTACT: JOHN WARDELL
EMAIL: JOHN.WARDELL@LAKEPOINTE.CHURCH

ENGINEER

Kimley»Horn
203 W NASH ST. SUITE 100 TERRELL, TX 75160
PHONE: 972-770-1300
CONTACT: MATTHEW A. LUCAS, P.E.
TEXAS REGISTERED ENGINEERING FIRM NO. F-928

CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

SEPTEMBER 2024

No.	REVISIONS	DATE	BY
△	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT	06468805
DATE	09/19/2024
SCALE	AS SHOWN
DESIGNED BY	MJF
DRAWN BY	WV
CHECKED BY	MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

COVER SHEET

SHEET NUMBER
C-001

KHA GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR ROYSE CITY STANDARDS (LATEST ADDITION), AND ANY SPECIAL PROVISIONS ADOPTED BY ROYSE CITY, THE SUBDIVISION RULES AND REGULATIONS OF ROYSE CITY (LATEST EDITION), THE PROJECT SPECIFICATION BOOK, AND THESE CONSTRUCTION PLANS. ROYSE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE OWNER AND ENGINEER SHALL BE CONTACTED PRIOR TO CONSTRUCTION.
2. 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.
3. 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.
4. 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.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND BONDS PRIOR TO CONSTRUCTION.
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 WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
7. 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 STAKING OF IMPROVEMENTS.
9. 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 AS NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION.
11. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION FIELD STAKING, TESTING, AND CERTIFICATION UNLESS SPECIFIED OTHERWISE BY THE OWNER.
12. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REPLACE ANY FENCING, CURBING, ETC. THAT IS DESTROYED DUE TO THE CONSTRUCTION ACTIVITIES.
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 ROYSE CITY 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 OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
15. LIGHT POLES AND SIGNS SHALL NOT BE PLACED IN ADA ACCESSIBLE ROUTES OR ACCESSIBLE ACCESS ROUTES.
16. ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY SITE CONSTRUCTION NOT INCLUDED WITH THIS SCOPE OF WORK SHALL BE REGRADED AND LANDSCAPED 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 (SWPPP).
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, AND 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. CONTRACTOR MUST SUBMIT COPIES OF N.O.I. AND N.O.T. TO ROYSE CITY.
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 TAKEN 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 THE GEOTECHNICAL REPORT AND ASTM A-615, GRADE 60, AND SHALL BE SUPPORTED BY BAR CHAIRS.
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 STANDARDS.
29. TOP RIM ELEVATIONS OF ALL SANITARY SEWER MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE.
30. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH, FLUSH, CONNECTION.
31. 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.
32. CONTRACTOR TO ADJUST ALL GATE VALVE COVERS TO MATCH PROPOSED PAVING GRADES.
33. THE OPERATING NUT OF ALL GATE VALVES SHALL BE 2 FEET BELOW FINISH GRADE (MINIMUM).
34. 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.
35. REFER TO SWPPP REPORT AND EROSION CONTROL PLANS FOR APPLICABLE NOTES.
36. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
37. CONTRACTOR SHALL CONTACT THE CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THE CITY MAY REQUIRE.
38. ALL APPURTENANCES INSTALLED IN PAVEMENT AREAS SHALL BE ADJUSTED AS REQUIRED TO BE FLUSH WITH FINISHED PAVEMENT.
39. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR COMPLETING AND IMPLEMENTING TRAFFIC CONTROL PLAN.
40. SIGNAGE RELATED TO SITE OPERATION OR SAFETY ARE NOT PART OF KIMLEY-HORN'S SCOPE AND ARE NOT INCLUDED IN THESE PLANS.
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 THESE PLANS MADE DURING CONSTRUCTION.

STORM DRAINAGE

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, ROYSE CITY STANDARD SPECIFICATIONS AND COMMONLY ACCEPTED 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 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.
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 AND 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.
7. ALL OFFSITE STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP. ONSITE STORM SEWER LINES 18" AND GREATER MAY BE CLASS III RCP. ALL PRIVATE STORM SHALL BE NOTED AS ON PLANS. 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. 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 ROYSE CITY.
9. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL STORM SEWER LINES AND OTHER UTILITIES.
10. EMBEDMENT FOR ALL ONSITE SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER ROYSE CITY STANDARD DETAILS.
11. REFER TO TNRCC/TCEQ DESIGN GUIDELINES (CHAPTER 290) FOR ALL UTILITY CROSSINGS.
12. 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.
13. 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.
14. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES BETWEEN PLANS AND CONDITIONS ENCOUNTERED IN THE FIELD.
15. CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.
16. ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
17. 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.
18. ALL WYE CONNECTIONS AND PIPE BENDS LESS THAN 36" IN DIAMETER PS ARE TO BE PREFABRICATED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
19. USE 4 FOOT JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100 FEET.
20. ALL STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP UNLESS OTHERWISE NOTED. CONTRACTOR TO CONTACT ENGINEER WITH QUESTIONS ABOUT PIPE MATERIAL PRIOR TO ORDERING.
21. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.
22. FOR ADJUSTMENT OF ROYSE CITY WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CALL (214) 670-1770 AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION.

GRADING

1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, ROYSE CITY 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 EARTHWORK.
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.
8. EXISTING OFFSITE CONTOURS AS SHOWN ON THIS PLAN WERE TAKEN FROM AN AERIAL TOPOGRAPHIC SURVEY PREPARED BY OTHERS. BASED ON THE BENCHMARK SHOWN, CONTRACTOR SHALL REFERENCE SAME BENCHMARK.
9. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS AND GEOTECHNICAL REPORT FOR 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.
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 SPECIFICATIONS AND THESE PLANS.
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.
14. PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY.
15. NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR OWNER'S REPRESENTATIVE. EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE.
16. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE CONSTRUCTION COMMENCES.
17. 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. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, ROYSE CITY STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND COMMONLY ACCEPTED 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 CONSTRUCTION PHASES.
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, DATED JULY 25, 2014). 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 SPECIFICATIONS AND THESE PLANS.
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 AND PAVEMENT MARKINGS SHALL ADHERE TO ROYSE CITY STANDARD SPECIFICATIONS.
11. REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT PLAN REQUIREMENTS. REFER TO GEOTECHNICAL REPORT AND CITY STANDARDS FOR REINFORCEMENT STEEL REQUIREMENTS AND USE MOST STRINGENT OF THE TWO. 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 FOUR (4) 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 AND LABELED PER CITY STANDARDS.
13. FIRE LANES ADJACENT TO CURBS SHALL BE OUTLINED BY A FOUR (4) INCH WIDE STRIP PAINTED BRIGHT RED IN COLOR ALONG THE CURB'S GUTTER LINE.
14. 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 PER CITY DETAIL.
15. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990 AND TAS STANDARDS, LATEST EDITION.
16. REFERENCE ROYSE CITY STANDARD CONSTRUCTION DETAILS FOR HANDICAP RAMP AND OTHER PAVING DETAILS.
17. REFERENCE LANDSCAPE AND/OR PAVING PLANS FOR LOCATION AND TYPE OF HANDICAP RAMPS TO BE PROVIDED AND FOR FLATWORK.
18. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE ROYSE CITY STANDARD SPECIFICATIONS.
19. CONTRACTOR RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY ROYSE CITY OF TRAFFIC CONTROL PLAN PRIOR TO START OF CONSTRUCTION.
20. SIDEWALKS ADJACENT TO CURB SHALL BE CONNECTED TO BACK OF CURB USING LONGITUDINAL BUTT JOINT.
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 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.
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 ARCHITECT) SHALL BE CONSULTED.
24. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. & T.A.S) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS AND ACCESSIBLE ROUTES. 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.
27. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.

EROSION CONTROL

1. 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 PLANO. 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 ROYSE CITY ENGINEERING DIVISION.
4. IF THE EROSION CONTROL PLAN AS APPROVED DOES NOT 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 BY THE CONTRACTOR 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. CONSTRUCTION ENTRANCES AND EXITS TO BE REPAIRED OR REPLACED. HEAVY MUD BUILD UP SHOULD BE COVERED WITH ADDITIONAL ROCK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSPECTIONS, DOCUMENTATION, AND SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. AND T.C.E.Q. CONTRACTOR SHALL COMPLY WITH ALL E.P.A. AND T.C.E.Q. STORM WATER POLLUTION PREVENTION REQUIREMENTS. CONTRACTOR MUST SUBMIT COPIES OF N.O.I. AND N.O.T. TO ROYSE CITY.
8. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL BEST MANAGEMENT PRACTICES (BMPS) AND FOR UPDATING THE PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHANGE. 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.

STORM WATER DISCHARGE AUTHORIZATION

THE CONTRACTOR IS RESPONSIBLE TO ENSURE:

1. PRIMARY OPERATORS MUST SUBMIT A NOI TO TCEQ AT LEAST SEVEN DAYS PRIOR TO COMMENCING CONSTRUCTION, OR IF UTILIZING ELECTRONIC SUBMITTAL, PRIOR TO COMMENCING CONSTRUCTION. ALL PRIMARY OPERATORS SHALL PROVIDE A COPY OF THE SIGNED NOI TO THE OPERATOR OF ANY MS4 RECEIVING DISCHARGE FROM THE SITE.
2. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN A CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP.
3. A COPY OF THE SWPPP, INCLUDING CONTRACTOR CERTIFICATIONS AND ANY REVISIONS, SHALL BE SUBMITTED TO ROYSE CITY BY THE CONTRACTOR AND FILED WITH THE CONSTRUCTION PLANS, AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.
4. A NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO TCEQ BY ANY PRIMARY OPERATOR WITHIN 30 DAYS AFTER ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM VEGETATIVE COVER OF THE DENSITY OF 70% HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY STRUCTURES, A TRANSFER OF OPERATIONAL CONTROL HAS OCCURRED, OR THE OPERATOR HAS OBTAINED ALTERNATIVE AUTHORIZATION UNDER A DIFFERENT PERMIT. A COPY OF THE NOT SHALL BE PROVIDED TO THE OPERATOR OF ANY MS4 RECEIVING DISCHARGE FROM THE SITE.

UTILITY NOTES

1. CONTACT ALL FRANCHISE UTILITIE LOCATION OF UNDERGROUND LINI
2. CONTRACTOR SHALL EXERCISE C/ CONTRACTOR'S EQUIPMENT AND / SHORING MEASURES TO PREVENT
3. THE CONTRACTOR SHALL PROTEC PROJECT. ALL MANHOLES, CLEAN BE ADJUSTED TO PROPER LINE AN
4. CONTRACTOR SHALL ARRANGE FC ADJUSTMENT NEEDED.
5. THE CONTRACTOR SHALL GIVE THI OR SEWER SERVICE DISRUPTIONS
6. THE CONTRACTOR IS RESPONSIBL CONTRACTOR SHALL REPAIR ALL [WATER SERVICES, SEWER MAINS,
7. VALVE ADJUSTMENTS SHALL BE C(THE PROPOSED PAVEMENT OR RE
8. THE CONTRACTOR SHALL VERIFY T ANY PIPE.
9. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE OWNER). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
10. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
11. ALL TEES, BENDS, REDUCERS, AND ENDS SHALL BE MECHANICALLY RESTRAINED AND BLOCKED. MECHANICAL RESTRAINT SHALL BE BY EBAA MEGALUG FOR PVC PIPE OR APPROVED EQUAL.
12. ALL VALVES, FIRE HYDRANTS, FITTINGS, AND OTHER METAL APPURTENANCES LOCATED BELOW GROUND SHALL BE POLYETHYLENE-ENCASED IN ACCORDANCE WITH AWWA C-509.
13. THE REMOVAL OF A FIRE HYDRANT SHALL INCLUDE THE COMPLETE REMOVAL OF THE EXISTING FIRE HYDRANT, BACKFILL OF THE EXCAVATION, AND DELIVERY OF THE SALVAGED FIRE HYDRANT ASSEMBLY TO THE ROYSE CITY PUBLIC WORKS FACILITY. THE ABANDONMENT OF AN EXISTING WATER VALVE SHALL INCLUDE CLOSING THE EXISTING VALVE, FILLING THE VALVE STEM WITH GROUT, AND RETURNING THE VALVE BOX COVER TO THE ROYSE CITY PUBLIC WORKS FACILITY. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE OF ROYSE CITY BID ITEM.
14. CONCRETE THRUST BLOCKING SHALL BE USED AT ALL HORIZONTAL AND VERTICAL BENDS, TEES, AND WYES.
15. THE CONTRACTOR SHALL INSTALL A FULL JOINT OF PIPE ON BOTH SIDES OF ALL FITTINGS WHERE POSSIBLE.
16. CONTRACTOR SHALL INSTALL DETECTABLE WIRING TAPE A MINIMUM OF 12" ABOVE WATER LINES. MARKER DECALS SHALL BE LABELED "CAUTION - WATER LINE". DETECTABLE WIRING TAPE AND FIBERGLASS MAKERS WILL BE INCLUDED IN THE PRICE OF THE WATER PIPE. NO SEPARATE PAYMENT WILL BE MADE FOR THESE ITEMS.
17. TCEQ CHAPTER 290.44(C) STATES THAT FOR ANY WATER LINE CROSSING UNDER AN EXISTING WASTEWATER MAIN BOTH THE WATER LINE AND THE WASTEWATER LINE MUST PASS A PRESSURE AND LEAKAGE TEST AS SPECIFIED IN AWWA C600 STANDARDS. IF THE WASTEWATER MAIN FAILS THE PRESSURE AND LEAKAGE TEST THE LINE SHALL BE REPLACED 9' WEST OF THE WATER LINE CROSSING AND TO THE MANHOLE EAST OF THE CROSSING WITH AT LEAST 150 PSI PRESSURE RATED PIPE. IF THE WASTEWATER MAIN FAILS THE PRESSURE TEST, THE REPLACEMENT OF WASTEWATER MAIN SHALL BE A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. IN ADDITION THE WATER LINE MUST BE ENCASED IN PIPE THAT SHALL HAVE A MINIMUM PIPE STIFFNESS OF 115 PSI AT 5.0% DEFLECTION. THE SPACERS WITHIN THE ENCASEMENT PIPE SHALL BE PLACED IN 5 FT (OR LESS) INTERVALS. THE ENCASEMENT WILL BE AT LEAST 9 FEET IN BOTH DIRECTIONS FROM THE CENTER OF THE CROSSING, AND BE AT LEAST TWO NOMINAL PIPE DIAMETERS LARGER THAN THE WATER MAIN. THE WATER MAIN SHALL BE PLACED AT MINIMUM 1' BELOW THE WASTEWATER MAIN.
18. ALL WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS.

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

DATE: 12/18/2025
BY: MATT LUCAS, P.E.

RELEASED FOR CONSTRUCTION
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.

CITY ______ DATE ______

THESE PLAN AND GENERAL NOTES REFER TO:
GEOTECHNICAL ENGINEERING REPORT
ALPHA TESTING, INC.
NO. G240029
FEBRUARY 29, 2024
INCLUDING ALL REVISIONS AND ADDENDA TO THIS REPORT THAT MAY HAVE BEEN RELEASED AFTER THE NOTED DATE.

MATTHEW A. LUCAS
108727
9-19-24

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

KHA PROJECT 064608805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

GENERAL NOTES

SHEET NUMBER
C-002

GENERAL ITEMS

1. All construction shall conform to the requirements set forth in the City of Rockwall's Engineering Department's "Standards of Design and Construction" and the "Standard Specifications for Public Works Construction" by the North Texas Central Council of Governments, 5th edition amended by the City of Rockwall. The CONTRACTOR shall reference the latest City of Rockwall standard details provided in the Rockwall Engineering Departments "Standards of Design and Construction" manual for details not provided in these plans. The CONTRACTOR shall possess one set of the NCTCOG Standard Specifications and Details and the City of Rockwall's "Standards of Design and Construction" manual on the project site at all times
2. Where any conflicting notes, details or specifications occur in the plans the City of Rockwall General Construction Notes, Standards, Details and Specifications shall govern unless detail or specification is more strict.
3. The City of Rockwall Engineering Departments "Standards of Design and Construction" can be found online at: http://www.rockwall.com/engr.asp
4. All communication between the City and the CONTRACTOR shall be through the Engineering Construction Inspector and City Engineer or designated representative only. It is the responsibility of the CONTRACTOR to contact the appropriate department for inspections that do not fall under this approved engineering plan set.
5. Prior to construction, CONTRACTOR shall have in their possession all necessary permits, plans, licenses, etc.
6. The CONTRACTOR shall have at least one original stamped and signed set of approved engineering plans and specifications on-site and in their possession at all times. A stop work order will be issued if items are not on-site. Copies of the approved plans will not be substituted for the required original "approved plans to be on-site".
7. All material submittals, concrete batch designs and shop drawings required for City review and approval shall be submitted by the CONTRACTOR to the City sufficiently in advance of scheduled construction to allow no less than 10 business days for review and response by the City.
8. All site dimensions are referenced to the face of curb or edge of pavement unless otherwise noted.
9. The City requires ten (10%) percent-two (2) year maintenance bond for paving, paving improvements, water systems, wastewater systems, storm sewer systems including detention systems, and associated fixtures and structures which are located within the right-of-ways or defined easements. The two (2) year maintenance bond is to state "from date of City acceptance" as the starting time.
10. A review of the site shall be conducted at twenty (20) months into the two (2) year maintenance period. The design engineer or their designated representative and the CONTRACTOR shall be present to walk the site with the City of Rockwall Engineering Inspection personnel.

EROSION CONTROL & VEGETATION

1. The CONTRACTOR or developer shall be responsible, as the entity exercising operational control, for all permitting as required by the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ). This includes, but is not limited to, preparation of the Storm Water Pollution Prevention Plan (SWPPP), the Construction Site Notice (CSN), the Notice of Intent (NOI), the Notice of Termination (NOT) and any Notice of Change (NOC) and is required to pay all associated fees
2. Erosion control devices as shown on the erosion control plan for the project shall be installed prior to the start of land disturbing activities.
3. All erosion control devices are to be installed in accordance with the approved plans, specifications and Storm Water Pollution Prevention Plan (SWPPP) for the project. Erosion control devices shall be placed and in working order prior to start of construction. Changes are to be reviewed and approved by the design engineer and the City of Rockwall prior to implementation.
4. If the Erosion Control Plans and Storm Water Pollution Prevention Plan (SWPPP) as approved cannot appropriately control erosion and off-site sedimentation from the project, the erosion control plan and/or the SWPPP is required to be revised and any changes reported to the Texas Commission on Environmental Quality (TCEQ), when applicable.
5. All erosion control devices shall be inspected weekly by the CONTRACTOR and after all major rain events, or more frequently as dictated in the project Storm Water Pollution Prevention Plan (SWPPP). CONTRACTOR shall provide copies of inspection's reports to the engineering inspection after each inspection.
6. The CONTRACTOR shall not dispose of waste and any materials into streams, waterways or floodplains. The CONTRACTOR shall secure all excavation at the end of each day and dispose of all excess materials.
7. CONTRACTOR shall take all available precautions to control dust. CONTRACTOR shall control dust by sprinkling water or other means as approved by the City Engineer.
8. CONTRACTOR shall establish grass and maintain the seeded area, including watering, until a "Permanent Stand of Grass" is obtained at which time the project will be accepted by the City. A "Stand of Grass" (not winter rye or weeds) shall consist of 75% to 80% coverage of all disturbed areas and a minimum of one-inch (1") in height as determined by the City. No bare spots will be allowed. Re-seeding will be required in all washed areas and areas that don't grow.
9. All City right-of-ways shall be sodded if disturbed. No artificial grass is allowed in any City right-of-way and/or easements.
10. All adjacent streets/alleys shall be kept clean at all times
11. CONTRACTOR shall keep construction site clean at all times, immediately contain all debris and trash, all debris and trash shall be removed at the end of each work day, and all vegetation on the construction site 10-inches or taller in height must be cut immediately.
12. Suspension of all construction activities for the project will be enforced by the City if any erosion control requirements are not meet. Work may commence after deficiency has been rectified.
13. During construction of the project, all soil stockpiles and borrow areas shall be stabilized or protected with sediment trapping measures. The CONTRACTOR is responsible for the temporary protection and permanent [illegible] as well as borrow areas and soil intentionally transported from the [illegible]
14. [illegible] es intersect paved or public roads/alleys, construction entrances shall [illegible] sediment by vehicular tracking onto paved surfaces. Where sediment [illegible] faces, the surface shall be immediately cleaned. Sediment shall be removed from the surface by shoveling or sweeping and transported to a sediment disposal area. Pavement washing shall be allowed only after sediment is removed in this manner.
15. All drainage inlets shall be protected from siltation, ineffective or unmaintained protection devices shall be immediately replaced and the inlet and storm system cleaned. Flushing is not an acceptable method of cleaning.
16. During all dewatering operations, water shall be pumped into an approved filtering device prior to discharge into a receiving outlet.

TRAFFIC CONTROL

1. All new Detouring or Traffic Control Plans are required to be submitted to the City for review and approval a minimum of 21 calendar days prior to planned day of implementation.
2. When the normal function of the roadway is suspended through closure of any portion of the right-of-way, temporary construction work zone traffic control devices shall be installed to effectively guide the motoring public through the area. Consideration for road user safety, worker safety, and the efficiency of road user flow is an integral element of every traffic control zone.
3. All traffic control plans shall be prepared and submitted to the Engineering Department in accordance with the standards identified in Part VI of the most recent edition of the TMUTCD. Lane closures will not occur on roadways without an approval from the Rockwall Engineering Department and an approved traffic control plan. Traffic control plans shall be required on all roadways as determined by the City Engineer or the designated representative.
4. All traffic control plans must be prepared, signed, and sealed by an individual that is licensed as a professional engineer in the State of Texas. All traffic control plans and copies of work zone certification must be submitted for review and approval a minimum of three (3) weeks prior to the anticipated temporary traffic control.
5. The CONTRACTOR executing the traffic control plan shall notify all affected property owners two (2) weeks prior to any the closures in writing and verbally.
6. Any deviation from an approved traffic control plan must be reviewed by the City Engineer or the designated representative. If an approved traffic control plan is not adhered to, the CONTRACTOR will first receive a verbal warning and be required to correct the problem immediately. If the deviation is not corrected, all construction work will be suspended, the lane closure will be removed, and the roadway opened to traffic.
7. All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time at the end of the workday, all temporary traffic control devices that are no longer appropriate shall be removed or covered. The first violation of this provision will result in a verbal warning to the construction foreman. Subsequent violations will result in suspension of all work at the job site for a minimum of 48 hours. All contractors working on City funded projects will be charged one working day for each 24 hour closure.
8. Lane closures on any major or minor arterial will not be permitted between the hours of 6:00 am to 9:00 am and 3:30 pm to 7:00 pm. Where lane closures are needed in a school area, they will not be permitted during peak hours of 7:00 am – 9:00 am and 3:00 pm to 5:00 pm. Closures may be adjusted according to the actual start-finish times of the actual school with approval by the City Engineer. The first violation of this provision will result in a verbal warning to the construction foreman. Subsequent violations will result in suspension of all work at the job site for a minimum of 48 hours. All contractors working on City funded projects will be charged one working day for each 24 hour closure of a roadway whether they are working or not.
9. No traffic signs shall be taken down without permission from the City.
10. No street/roadway will be allowed to be fully closed.

UTILITY LINE LOCATES

1. It is the CONTRACTOR's responsibility to notify utility companies to arrange for utility locates at least 48 hours prior to beginning construction. The completeness and accuracy of the utility data shown on the plans is not guaranteed by the design engineer or the City. The CONTRACTOR is responsible for verifying the depth and location of existing underground utilities proper to excavating, trenching, or drilling and shall be required to take any precautionary measures to protect all lines shown and ,or any other underground utilities not on record or not shown on the plans.
2. The CONTRACTOR shall be responsible for damages to utilities
3. CONTRACTOR shall adjust all City of Rockwall utilities to the final grades.
4. All utilities shall be placed underground.
5. CONTRACTOR shall be responsible for the protection of all existing main lines and service lines crossed or exposed by construction operations. Where existing mains or service lines are cut, broken or damaged, the CONTRACTOR shall immediately make repairs to or replace the entire service line with same type of original construction or better. The City of Rockwall can and will intervene to restore service if deemed necessary and charge the CONTRACTOR for labor, equipment, material and loss of water if repairs aren't made in a timely manner by the CONTRACTOR.
6. The City of Rockwall (City utilities) is not part of the Dig Tess or Texas one Call – 811 – line locate system. All City of Rockwall utility line locates are to be scheduled with the City of Rockwall Service Center. 972-771-7730. A 48-hour advance notice is required for all non-emergency line locates.
7. Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
   a. No more than 500 linear feet of trench may be opened at one time.
   b. Material used for backfilling trenches shall be properly compacted to 95% standard density in order to minimize erosion, settlement, and promote stabilization that the geotechnical engineer recommends.
   c. Applicable safety regulations shall be complied with.
11. This plan details pipes up to 5 feet from the building. Refer to the building plans for building connections. CONTRACTOR shall supply and install pipe adapters as necessary.
12. All underground lines shall be installed, inspected, and approved prior to backfilling.
13. All concrete encasement shall have a minimum of 28 days compressive strength at 3,000 psi (min. 5.5 sack mix).

WATER LINE NOTES

1. The CONTRACTOR shall maintain existing water service at all times during construction.
2. Proposed water lines shall be AWWA C900-16 PVC Pipe (blue in color) for all sizes, DR 14 (PC 305) for pipeline sizes 12-inch and smaller, and DR 18 (PC 235) for 14-inch and larger water pipelines unless otherwise shown on water plan and profiles sheets. Proposed water lines shall be constructed with minimum cover of 4 feet for 6-inch through 8-inch, 5 feet for 12-inch through 18-inch and 6 feet for 20-inch and larger.
3. Proposed water line embedment shall be NCTCOG Class 'B-3' as amended by the City of Rockwall's engineering standards of design and construction manual.
4. CONTRACTOR shall coordinate the shutting down of all water lines with the City of Rockwall Engineering Inspector and Water Department. The City shall operate all water valves. Allow 5 business days from the date of notice to allow City personnel time to schedule a shut down. Two additional days are required for the CONTRACTOR to notify residents in writing of the shut down after the impacted area has been identified. Water shut downs impacting businesses during their normal operation hours is not allowed. CONTRACTOR is required to coordinate with the Rockwall Fire Department regarding any fire watch requirements as well as any costs incurred when the loss of fire protection to a structure occurs.
5. CONTRACTOR shall furnish and install gaskets on water lines between all dissimilar metals and at valves (both existing and proposed).
6. All fire hydrants and valves removed and salvaged shall be returned to the City of Rockwall Municipal Service Center.
7. Blue EMS pads shall be installed at every change in direction, valve, curb stop and service tap on the proposed water line and every 250'.
8. All water valve hardware and valve extensions, bolts, nuts and washers shall be 316 stainless steel.
9. All fire hydrants bolts, nuts and washers that are buried shall be 316 stainless steel.
10. Abandoned water lines to remain in place shall be cut and plugged and all void spaces within the abandoned line shall be filled with grout, flowable fill or an expandable permanent foam product. Valves to be abandoned in place shall have any extensions and the valve box removed and shall be capped in concrete.
11. All fire hydrants will have a minimum of 5 feet of clearance around the appurtenance including but not limited to parking spaces and landscaping.
12. All joints are to be megalug joints with thrust blocking.
13. Water and sewer mains shall be kept 10 feet apart (parallel) or when crossing 2 feet vertical clearance.
14. CONTRACTOR shall maintain a minimum of 4 feet of cover on all water lines.
15. All domestic and irrigation services are required to have a testable backflow device with a double check valve installed per the City of Rockwall regulations at the property line and shown on plans.

WASTEWATER LINE NOTES

1. The CONTRACTOR shall maintain existing wastewater service at all times during construction.
2. Wastewater line for 4-inch through 15-inch shall be Green PVC – SDR 35 (ASTM D3034) [less 10 ft cover] and SDR 26 (ASTM D3034) [10 ft or more cover]. For 18-inch and lager wastewater line shall be Green PVC – PS 46 (ASTM F679) [less 10 ft cover] and PS 115 (ASTM F679) [10 ft or more cover]. No services will be allowed on a sanitary sewer line deeper than 10 feet.
3. Proposed wastewater line embedment shall be NCTCOG Class 'H' as amended by the City of Rockwall's public works standard design and construction manual.
4. Green EMS pads shall be installed at every 250', manhole, clean out and service lateral on proposed wastewater lines.
5. CONTRACTOR shall CCTV all existing wastewater lines that are to be abandoned to ensure that all laterals are accounted for and transferred to proposed wastewater lines prior to abandonment.
6. All abandoned wastewater and force main lines shall be cut and plugged and all void spaces within the abandoned line shall be filled with grout, flowable fill or an expandable permanent foam product.
7. Existing manholes and cleanouts not specifically called to be relocated shall be adjusted to match final grades.
8. All wastewater pipes and public services shall be inspected by photographic means (television and DVD) prior to final acceptance and after franchise utilities are installed. The CONTRACTOR shall furnish a DVD to the Engineering Construction Inspector for review. Pipes shall be cleaned prior to TV inspection of the pipes. Any sags, open joints, cracked pipes, etc. shall be repaired or removed by the CONTRACTOR at the CONTRACTOR's expense. A television survey will be performed as part of the final testing in the twentieth (20^{th}) month of the maintenance period.
9. All manholes (public or private) shall be fitted with inflow prevention. The inflow prevention shall conform to the measures called out in standard detail R-5031.
10. All new or existing manholes being modified shall have corrosion protection being Raven Liner 405 epoxy coating, ConShield, or approved equal.. Consheild must have terracotta color dye mixed in the precast and cast-in-place concrete. Where connections to existing manholes are made the CONTRACTOR shall rehab manhole as necessary and install a 125 mil thick coating of Raven Liner 405 or approved equal.
11. All new or existing manholes that are to be placed in pavement shall be fitted with a sealed (gasketed) rim and cover to prevent inflow.
12. If an existing wastewater main or trunk line is called out to be replaced in place a wastewater bypassing pump plan shall be required and submitted to the Engineering Construction Inspector and City Engineer for approval prior to implementation. Bypass pump shall be fitted with an auto dialer and conform to the City's Noise Ordinance. Plan shall be to the City sufficiently in advance of scheduled construction to allow no less than 10 business days for review and response by the City.
13. CONTRACTOR shall maintain a minimum of 4 feet of cover on all wastewater lines.

RELEASED FOR CONSTRUCTION
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.
CITY DATE

GENERAL CONSTRUCTION NOTES
Sheet 1 of 2
October 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

385 S. Goliad
Rockwall, Texas 75087
P (972) 771-7746
F (972) 771-7748

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 MATT LUCAS, P.E.
DATE: BY:

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT 06468805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

CITY GENERAL NOTES
(1 OF 2)

SHEET NUMBER
C-003

DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION NOTES

1. All pavements to be removed and replaced shall be saw cut to full depth along neat squared lines shown in the plans.
2. Proposed concrete pavement shall be constructed with longitudinal butt construction joints at all connections to existing concrete pavement.
3. All public concrete pavement to be removed and replaced shall be full panel replacement, 1-inch thicker and on top of 6-inch thick compacted flexbase.
4. No excess excavated material shall be deposited in low areas or along natural drainage ways without written permission from the affected property owner and the City of Rockwall. No excess excavation shall be deposited in the City Limits without a permit from the City of Rockwall. If the CONTRACTOR places excess materials in these areas without written permission, the CONTRACTOR will be responsible for all damages resulting from such fill and shall remove the material at their own cost.

PAVING AND GRADING

1. All detention systems are to be installed and verified for design compliance along with the associated storm sewer and outflow structures, prior to the start of any paving operations (including building foundations). Erosion protection shall be placed at the pond outflow structures, silt fence along the perimeter of the pond along with any of the associated erosion BMPs noted on the erosion control plan, and the sides and bottom of the detention system shall have either sod or anchored seeded curlex installed prior to any concrete placement.
2. All paving roadway, driveways, fire lanes, drive-isles, parking, dumpster pads, etc. sections shall have a minimum thickness, strength, reinforcement, joint type, joint spacing and subgrade treatment shall at a minimum conform to the City standards of Design and Construction and table below.

Street/Pavement Type	Minimum Thickness (inches)	Strength 28-Day (psi)	Minimum Cement (sacks / CY)		Steel Reinforcement	
			Machine placed	Hand Placed	Bar #	Spacing (O.C.E.W.)
Arterial	10"	3,600	6.0	6.5	#4 bars	18"
Collector	8"	3,600	6.0	6.5	#4 bars	18"
Residential	6"	3,600	6.0	6.5	#3 bars	24"
Alley	7"-5"-7"	3,600	6.0	6.5	#3 bars	24"
Fire Lane	6"	3,600	6.0	6.5	#3 bars	24"
Driveways	6"	3,600	6.0	6.5	#3 bars	24"
Barrier Free Ramps	6"	3,600	N/A	6.5	#3 bars	24"
Sidewalks	4"	3,000	N/A	5.5	#3 bars	24"
Parking Lot/Drive Aisles	5"	3,000	5.0	5.5	#3 bars	24"
Dumpster Pads	7"	3,600	6.0	6.5	#3 bars	24"

3. Reinforcing steel shall be tied (100%). Reinforcing steel shall be set on plastic chairs. Bar laps shall be minimum 30 diameters. Sawed transverse dummy joints shall be spaced every 15 feet or 1.25 time longitudinal butt joint spacing whichever is less. Sawing shall occur within 5 to 12 hours after the pour, including sealing. Otherwise, the section shall be removed and longitudinal butt joint constructed.
4. No sand shall be allowed under any paving.
5. All concrete mix design shall be submitted to the City for review and approval prior to placement.
6. Fly ash may be used in concrete pavement locations provided that the maximum cement reduction does not exceed 20% by weight per C.Y. of concrete. The fly ash replacement shall be 1.25 lbs. per 1.0 lb. cement reduction.
7. All curb and gutter shall be integral (monolithic) with the pavement.
8. All fill shall be compacted by sheep's foot roller to a minimum 95% standard proctor. Maximum loose lift for compaction shall be 8 inches. All lifts shall be tested for density by an independent laboratory. All laboratory compaction reports shall be submitted to the City Engineering Construction Inspector once results are received. All reports will be required prior to final acceptance.
9. All concrete compression tests and soil compaction/density tests are required to be submitted to the City's Engineering Inspector immediately upon results.
10. All proposed sidewalks shall include barrier free ramps at intersecting streets, alleys, etc. Barrier free ramps (truncated dome plate in Colonial or brick red color) shall meet current City and ADA requirements and be approved by the Texas Department of Licensing and Regulation (TDLR).
11. All public sidewalks shall be doweled into pavement where it abuts curbs and driveways. Expansion joint material shall be used at these locations.
12. All connection of proposed concrete pavement to existing concrete pavement shall include a longitudinal butt joint as the load transfer device. All longitudinal butt joints shall be clean, straight and smooth (not jagged in appearance)
13. Cracks formed in concrete pavement shall be repaired or removed by the CONTRACTOR at the City's discretion. CONTRACTOR shall replace existing concrete curbs, sidewalk, paving, a gutters as indicated on the plans and as necessary to connect to the existing infrastructure, including any damage caused by the CONTRACTOR.
14. All residential lots will require individual grading plans submitted during the building permit process that correspond with the engineered grading and drainage area plans.
15. Approval of this plan is not an authorization to grade adjacent properties when the plans or field conditions warrant off-site grading. Written permission must be obtained and signed from the affected property owner(s) and temporary construction easements may be required. The written permission shall be provided to the City as verification of approval by the adjacent property owner(s). Violation of this requirement will result in suspension of all work at the job site until issue has been rectified.
16. All cut or fill slopes of non-paved areas shall be a maximum of 4:1 and minimum of 1%.
17. CONTRACTOR agrees to repair any damage to property and the public right-of-way in accordance with the City Standards of Design and Construction.
18. CONTRACTOR shall protect all monuments, iron pins/rods, and property corners during construction.
19. CONTRACTOR shall ensure positive drainage so that runoff will drain by gravity flow to new or existing drainage inlets or sheet flow per these approved plans.

DRAINAGE / STORM SEWER NOTES

1. The CONTRACTOR shall maintain drainage at all times during construction. Ponding of water in streets, drives, trenches, etc. will not be allowed. Existing drainage ways shall not be blocked or removed unless explicitly stated in the plans or written approval is given by the City.
2. All structural concrete shall be 4200 psi compressive strength at 28 days minimum 7.0 sack mix, air entrained, unless noted otherwise. Fly ash shall not be allowed in any structural concrete.
3. Proposed storm sewer embedment shall be NCTCOG Class 'B' as amended by the City of Rockwall's Engineering Department Standards of Design and Construction Manual.
4. All public storm pipe shall be a minimum of 18-inch reinforced concrete pipe (RCP), Class III, unless otherwise noted.
5. All storm pipe entering structures shall be grouted to assure connection at the structure is watertight.
6. All storm structures shall have a smooth uniform poured mortar invert from invert in to invert out.
7. All storm sewer manholes in paved areas shall be flush with the paving grade, and shall have traffic bearing ring and covers.
8. All storm sewer pipes and laterals shall be inspected by photographic means (television and DVD) prior to final acceptance and after franchise utilities are installed. The CONTRACTOR shall furnish a DVD to the Engineering Construction Inspector for review. Pipes shall be cleaned prior to TV inspection of the pipes. Any sags, open joints, cracked pipes, etc. shall be repaired or removed by the CONTRACTOR at the CONTRACTOR's expense. A television survey will be performed as part of the final testing in the twentieth (20th) month of the maintenance period.

RETAINING WALLS

1. All retaining walls, regardless of height, will be reviewed and approved by the City Engineering Department
2. All retaining walls (including foundation stem walls), regardless of height, will be constructed of rock/stone/brick or rock/stone/brick faced. No smooth concrete walls are allowed. Wall materials shall be the same for all walls on the project.
3. All portions, including footings, tie-backs, and drainage backfill, of the wall shall be on-site and not encroach into any public easements or right-of-way. The entire wall shall be in one lot and shall not be installed along a lot line.
4. All walls 3 feet and taller will be designed and signed/sealed by a registered professional engineer in the State of Texas. The wall design engineer is required to inspect the wall construction and supply a signed/sealed letter of wall construction compliance to the City of Rockwall along with wall as-builts prior to City Engineering acceptance.
5. No walls are allowed in detention easements. A variance to allow retaining walls in a detention easement will require approval by the Planning and Zoning Commission with appeals being heard by the City Council.

FINAL ACCEPTANCE AND RECORD DRWINGS/AS-BUILTS

1. Final Acceptance shall occur when all the items on the Checklist for Final Acceptance have been completed and signed-off by the City. An example of the checklist for final acceptance has been included in the Appendix of the Standards of Design and Construction. Items on the checklist for final acceptance will vary per project and additional items not shown on the check list may be required.
2. After improvements have been constructed, the developer shall be responsible for providing to the City "As Built" or "Record Drawings". The Design Engineer shall furnish all digital files of the project formatted in Auto Cad 14, or 2000 format or newer and Adobe Acrobat (.pdf) format with a CD-ROM disk or flash drive. The disk or drive shall include a full set of plans along with any landscaping, wall plans, and details sheets.
3. Submit 1-set of printed drawings of the "Record Drawings" containing copies of all sheets to the Engineering Construction Inspector for the project. The printed sheets will be reviewed by the inspector PRIOR to producing the "Record Drawing" digital files on disk or flash drive. This will allow any revisions to be addressed prior to producing the digital files.
4. Record Drawing Disk drawings shall have the Design Engineers seal, signature and must be stamped and dated as "Record Drawings" or "As Built Drawings" on all sheets.
5. The City of Rockwall will not accept any Record Drawing disk drawings which include a disclaimer. A disclaimer shall not directly or indirectly state or indicate that the design engineer or the design engineer's surveyor/surveyors did not verify grades after construction, or that the Record Drawings were based solely on information provided by the construction contractor/contractors. Any Record Drawings which include like or similar disclaimer verbiage will not be accepted by the City of Rockwall.
6. Example of Acceptable Disclaimer: "To the best of our knowledge ABC Engineering, Inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor."

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

DATE: 12/18/2025 BY: MATT LUCAS, P.E.

RELEASED FOR CONSTRUCTION
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.

CITY DATE

GENERAL CONSTRUCTION NOTES
Sheet 2 of 2
October 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

385 S. Goliad
Rockwall, Texas 75087
P (972) 771-7746
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No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
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WWW.KIMLEY-HORN.COM TX F-928

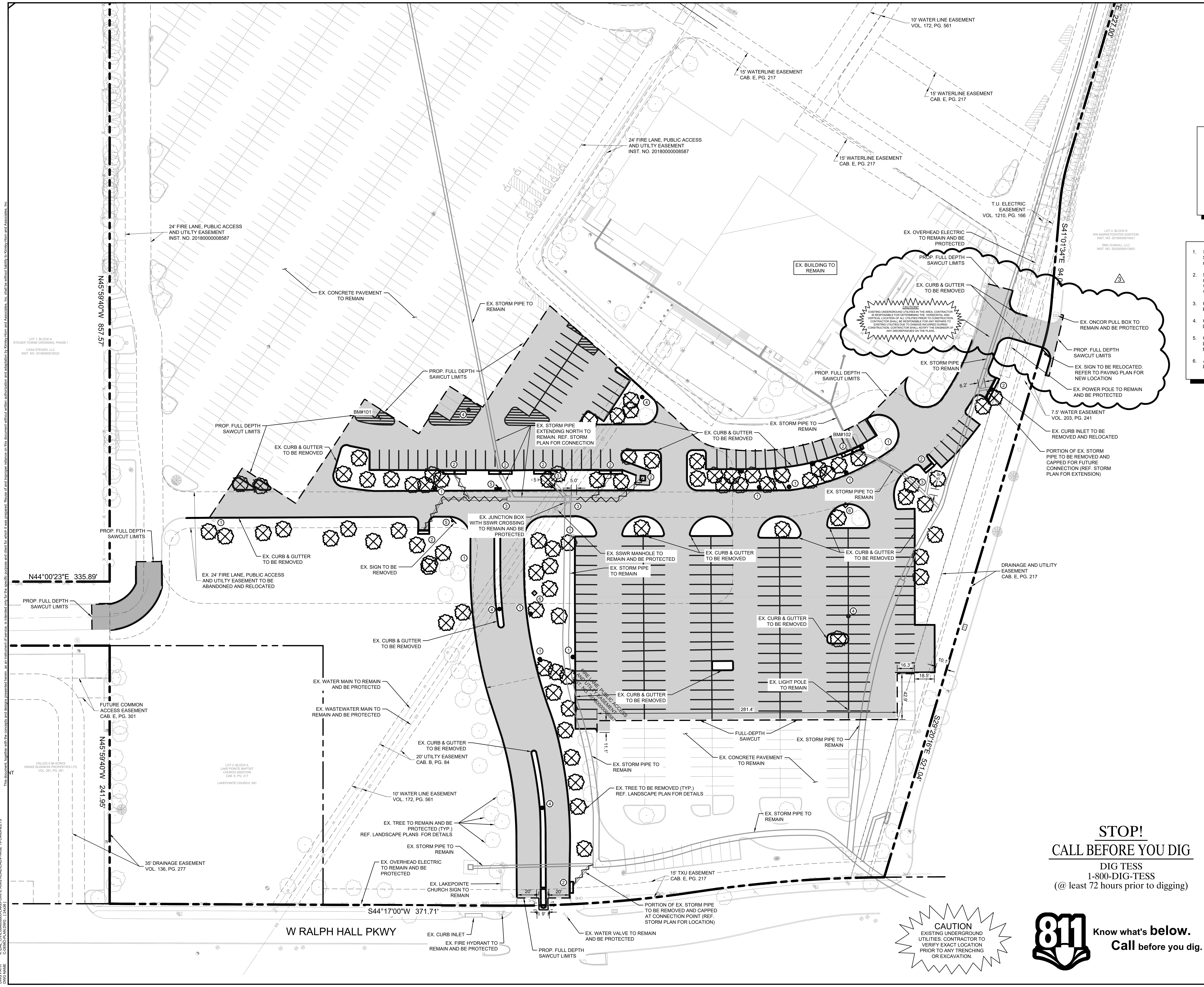
STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT 06468805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

CITY GENERAL NOTES (2 OF 2)

SHEET NUMBER
C-003



GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

- PROPERTY LINE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EX. STORM PIPE TO BE REMOVED (REF. STORM PLAN)
- PAVEMENT TO BE REMOVED

NOTES

1. SAWCUTS FOR PAVEMENT REMOVAL SHALL BE FULL DEPTH. SAWCUT TO REMOVE EXISITING CURBS SHALL BE 1.5' FROM FACE OF CURB.
2. SAWCUT LIMITS ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING REQUIRED WIDTH TO COMPLETE PROPOSED CONSTRUCTION ACTIVITIES WHILE MEETING CITY PERMIT REQUIREMENTS.
3. CONTRACTOR IS RESPONSIBLE TO RE-STRIPE ANY MARKINGS REMOVED WHICH ARE NOT SPECIFIED TO BE REMOVED.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING THE DEMOLITION PROCESS
5. CONTRACTOR SHALL PROTECT EXISTING STRUCTURES, LANDSCAPING MATERIALS, AND APPURTENANCES WHICH ARE NOT BEING DEMOLISHED.
6. ALL MATERIALS REMOVED SHALL BE DISPOSED OF OFFSITE IN A LEGAL MANNER.

KEYMAP

1	EX. IRRIGATION VALVE TO BE REMOVED (REF. IRRIGATION PLANS FOR DETAILS)
2	EX. CURB INLET TO BE REMOVED
3	END AND CAP EX. STORM PIPE
4	EX. LIGHT POLE TO BE RELOCATED (REF. PAVING PLANS FOR RELOCATION)
5	EX. SIGN TO BE REMOVED
6	EX. ELECTRICAL SERVICE TO BE RELOCATED (REF. PAVING PLAN FOR NEW LOCATION)

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

DATE: 12/18/2025 BY: MATT LUCAS, P.E.

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT SET IN CONCRETE IN A HATCHED PARKING AREA AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 82'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 83'± SOUTHWEST OF A LIGHT POLE.

ELEV: 539.96'

BM 102 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET AT THE NORTHEAST CORNER OF A STORM DRAIN INLET, 94'± SOUTHEAST OF THE SOUTHEAST CORNER OF A STUCCO BUILDING, AND 57'± SOUTHEAST OF A FIRE HYDRANT.

ELEV: 537.84'

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL
3	EASTERN ENTRY DRIVE ADJUSTMENT	10/16/2024	MJF

Kimley»Horn
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PHONE: 972-770-1300 FAX: 972-239-3820
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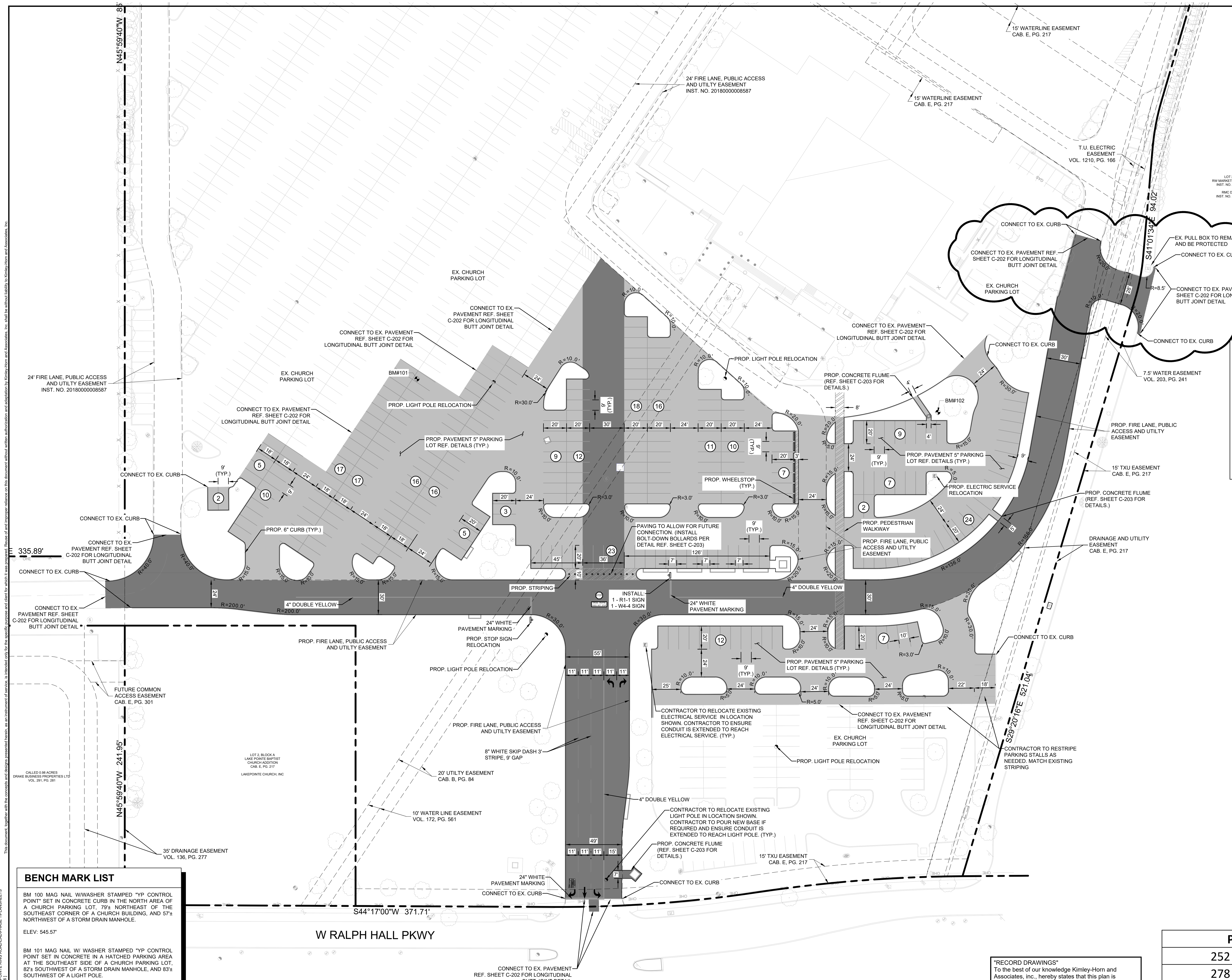
STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT 06468805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NUMBER
C-101



LEGEND

[light gray]	PROPOSED 5" PARKING LOT PAVEMENT
[dark gray]	PROPOSED 6" ACCESS DRIVE PAVEMENT
[stipple]	PROPOSED SIDEWALK PAVEMENT PER STANDARD CITY DETAILS
— —	PROPERTY LINE
(X)	NUMBER OF PARKING SPACES

NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. PAVEMENT SECTIONS SHOWN FOR REFERENCE ONLY. REFERENCE GEOTECHNICAL REPORT BY ALPHA TESTING, INC DATED JUNE 10, 2019 FOR DETAILED PAVING AND SUBGRADE RECOMMENDATIONS.
3. REFER TO DEMOLITION PLAN FOR LIMITS OF PAVEMENT AND CURB REMOVAL.
4. REFER TO SHEETS C-202 AND C-203 FOR PAVING DETAILS.
5. BARRIER FREE RAMPS (BFR) TO BE CONSTRUCTED PER CITY OF ROCKWALL DETAIL ON SHEET C-203.
6. CONTRACTOR TO RELOCATE EXISTING LIGHT POLES AND ELECTRICAL SERVICE IN LOCATIONS SHOWN. CONTRACTOR TO POUR NEW BASE IF REQUIRED AND ENSURE CONDUIT IS EXTENDED TO REACH LIGHT POLE. (TYP.)
7. REFERENCE GENERAL NOTES FOR ADDITIONAL PAVING NOTES.
8. REFERENCE DETAILS ON SHEET C-202 FOR PAVING JOINT DETAILS AND OTHER PAVING DETAILS.

5" 3600 PSI (MIN. 6.5 SACK MIX) CONCRETE PAVEMENT WITH NO. 3 REBAR PLACED AT 18" ON CENTER EACH WAY.

6" SUBGRADE COMPACTED TO 95% OF ASTM D698 TREATED WITH MINIMUM 8% HYDRATED LIME PER GEOTECHNICAL RECOMMENDATIONS.

NOTE:
LIME MODIFICATION OF THE PAVEMENT SUBGRADE COULD BE ELIMINATED BY INCREASING THE PCC THICKNESS IN THE PAVEMENT BY 1 INCH. PRIOR TO CONSTRUCTION OF PAVEMENT ON UNTREATED CLAY SUBGRADE SOIL, THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A DEPTH OF AT LEAST 6 INCHES AND COMPACTED TO AT LEAST 95 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) AND WITHIN THE RANGE OF -1 TO +3 PERCENTAGE POINTS OF THE MATERIAL'S OPTIMUM MOISTURE CONTENT.

PAVEMENT SECTIONS SHOWN FOR REFERENCE ONLY. SEE GEOTECH FOR DETAILS.

TYPICAL PARKING LOT PAVEMENT SECTION
N.T.S.

6" 3600 PSI (MIN. 6.5 SACK MIX) CONCRETE PAVEMENT WITH NO. 3 REBAR PLACED AT 18" ON CENTER EACH WAY.

6" SUBGRADE COMPACTED TO 95% OF ASTM D698 TREATED WITH MINIMUM 8% HYDRATED LIME PER GEOTECHNICAL RECOMMENDATIONS.

NOTE:
LIME MODIFICATION OF THE PAVEMENT SUBGRADE COULD BE ELIMINATED BY INCREASING THE PCC THICKNESS IN THE PAVEMENT BY 1 INCH. PRIOR TO CONSTRUCTION OF PAVEMENT ON UNTREATED CLAY SUBGRADE SOIL, THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A DEPTH OF AT LEAST 6 INCHES AND COMPACTED TO AT LEAST 95 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) AND WITHIN THE RANGE OF -1 TO +3 PERCENTAGE POINTS OF THE MATERIAL'S OPTIMUM MOISTURE CONTENT.

PAVEMENT SECTIONS SHOWN FOR REFERENCE ONLY. SEE GEOTECH FOR DETAILS.

TYPICAL ACCESS DRIVE PAVEMENT SECTION
N.T.S.

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE IN A HATCHED PARKING AREA AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 82'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 83'± SOUTHWEST OF A LIGHT POLE.

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ELEV: 537.84'

PARKING DATA SUMMARY TABLE	
252	SPACES REMOVED
278	SPACES CONSTRUCTED
26	NET SPACES ADDED

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

DATE: 12/18/2025
BY: MATT LUCAS, P.E.

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL
3	EASTERN ENTRY DRIVE ADJUSTMENT	10/16/2024	MJF

Kimley»Horn
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WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS — MATTHEW A. LUCAS — 108727 — LICENSED PROFESSIONAL ENGINEER — 9-19-24

KHA PROJECT	064686805
DATE	09/19/2024
SCALE	AS SHOWN
DESIGNED BY	MJF
DRAWN BY	WV
CHECKED BY	MAL

ROCKWALL CAMPUS RING ROAD PROJECT

PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

DIMENSION CONTROL, PAVING, AND STRIPING PLAN

SHEET NUMBER
C-201

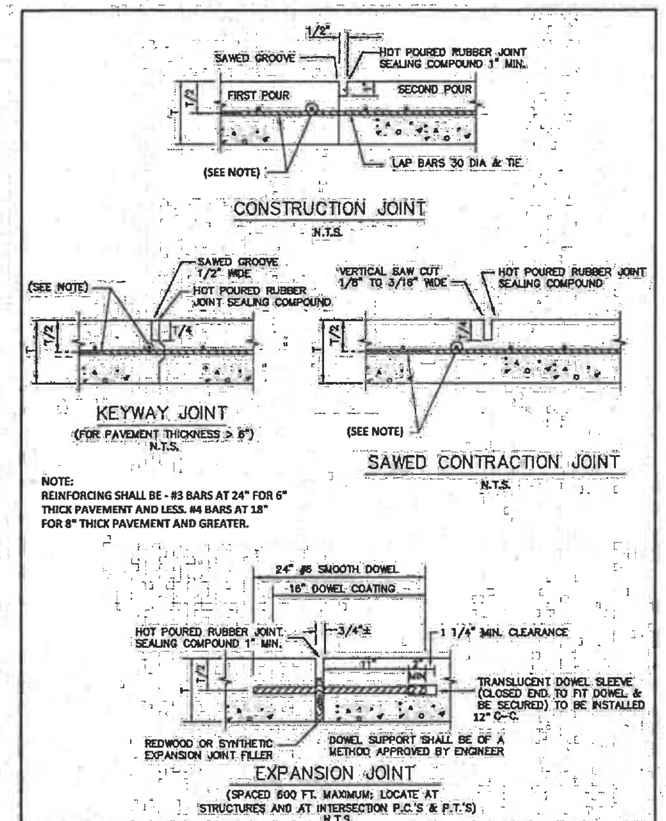
"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025	MATT LUCAS, P.E.
DATE:	BY:

GENERAL NOTES:

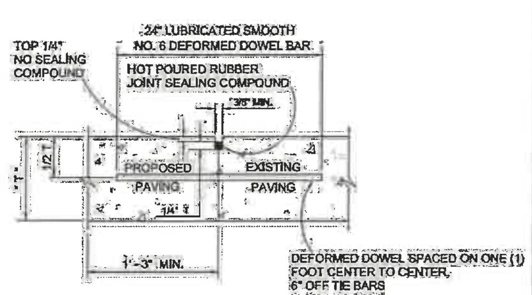
1. REINFORCED CONCRETE PAVEMENT:
   A. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT UNLESS OTHERWISE APPROVED BY THE OWNER.
   B. CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE PAVEMENT.
   C. BAR LAPS SHALL BE 30 DIAMETERS.
   D. REINFORCING BARS SHALL BE SUPPORTED BY CHAIRS OR OTHER DEVICES APPROVED BY THE OWNER.
2. SUBGRADE: (UNLESS OTHERWISE SPECIFIED BY OWNER)
   A. SUBGRADE UNDER ALL PAVEMENTS SHALL BE STABILIZED TO A MINIMUM DEPTH OF SIX (6") INCHES WITH HYDRATEDLIME CEMENT. LABORATORY TESTS WILL BE PERFORMED TO DETERMINE THE AMOUNT OF LIME OR CEMENT TO USE.

PAVEMENT SYSTEMS	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 302,303	
GENERAL NOTES		DATE Mar. 2018	STANDARD DRAWING NO. R-2190



REINFORCED CONCRETE PAVEMENT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 303.5.4	
JOINTS		DATE Mar. 2018	STANDARD DRAWING NO. R-2050

STANDARDS OF DESIGN AND CONSTRUCTION



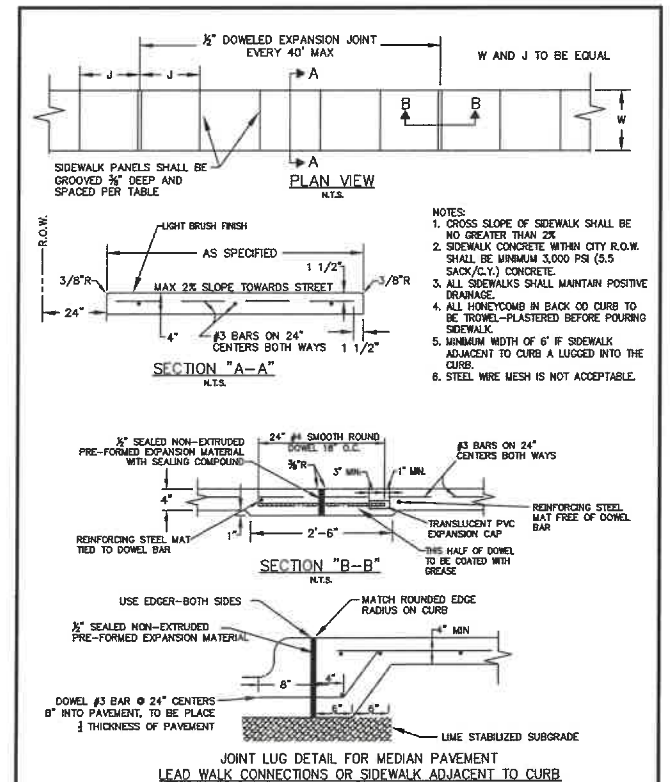
NOTES: T = PAVEMENT

1. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
2. DEFORMED DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
3. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

LONGITUDINAL BUTT JOINT
NOT TO SCALE

REINFORCED CONCRETE PAVEMENT	CITY OF ROCKWALL	DATE DEC '22	DRAWING NO. R-2051
LONGITUDINAL BUTT JOINT			

CITY OF ROCKWALL PAGE 1



NOTES:
1. CROSS SLOPE OF SIDEWALK SHALL BE NO GREATER THAN 2%.
2. SIDEWALK CONCRETE WITHIN CITY R.O.W. SHALL BE MINIMUM 3,000 PSI (5.5 SACK/C.Y.) CONCRETE.
3. ALL SIDEWALKS SHALL MAINTAIN POSITIVE DRAINAGE.
4. ALL HONEYCOMB IN BACK OD CURB TO BE TROWEL-PLASTERED BEFORE POURING SIDEWALK.
5. MINIMUM WIDTH OF 6" IF SIDEWALK ADJACENT TO CURB A LUGGED INTO THE CURB.
6. STEEL WIRE MESH IS NOT ACCEPTABLE.

REINFORCED CONCRETE SIDEWALKS	CITY OF ROCKWALL	DATE AUG '19	DRAWING NO. R-2170
JOINTS AND SPACING			

RELEASED FOR CONSTRUCTION
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.

CITY DATE

No.	REVISIONS	DATE	BY
	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD, TWO GALLERIA OFFICE TOWER SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

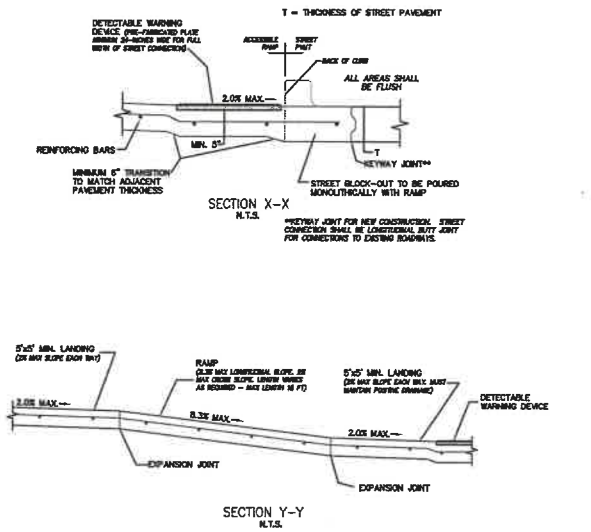
STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT	064688805
DATE	09/19/2024
SCALE	AS SHOWN
DESIGNED BY	MJF
DRAWN BY	WV
CHECKED BY	MAL

ROCKWALL CAMPUS RING ROAD PROJECT
PREPARED FOR LAKEPOINTE CHURCH
ROCKWALL, TX

PAVING DETAILS (1 OF 2)

SHEET NUMBER
C-202



NOTE: ALL SIDEWALK CURB RAMPS WILL BE 3,600 PSI (6.5 SACK/CY) CONCRETE.

DIRECTIONAL CURB RAMP	CITY OF ROCKWALL	DATE	DRAWING NO.
		MAR. '17	R-2125C

(A) Detectable Warning Devices (DWD) shall be pre-manufactured cast-in-place truncated dome plates installed to the manufacturer's specifications, and shall meet all ADA requirements. No Brick Pavers allowed. Color to be approved by the City. DWD shall be 24 inches in length for the full width of the street connection starting at the back of curb. A maximum 2-inch border shall be allowed on the sides of the DWD for proper installation.

(B) Also known as "Clear Space" per ADA PROWAG, the City requires a minimum landing space of 5-foot by 5-foot at the bottom of every ramp. This landing space shall have a cross slope in both directions that does not exceed 2.0%, and shall be wholly outside the parallel vehicular travel path.

(C) The ramp component of the directional curb ramp shall have a continuous longitudinal slope more than 5% and less than 8.3%. The ramp shall also have a cross slope of no more than 2.0%. Length of ramp can vary, but shall not exceed 15 feet to achieve desired elevation change.

(D) Also known as "Turning Space" per ADA PROWAG, a minimum landing space of 5-foot by 5-foot shall be at the top of every ramp. This landing (turning) space shall have a cross slope in both directions that does not exceed 2.0%. Landing must match width of sidewalk and length shall be the same distance ("Squared" Landing).

(E) All curb ramps shall have grade breaks at the top and bottom that are perpendicular to the direction of the ramp run. Where the ends of the bottom grade break are less than or equal to 5 feet, the DWD shall be placed within the ramp at the bottom grade break. Where either end of the bottom grade break is greater than 5 feet, the DWD shall be placed behind the back of the curb.

(F) Paving contractor shall leave block out with a keyway joint installed, minimum of 18 inches measured from back of curb. Block out shall be poured monolithically with Curb Ramp. Concrete shall tie to street paving with a keyway joint per NCTCOG detail 2050. No curb shall be constructed where a DWD is provided. The curb on either side shall have a typical 5 foot taper to transition from the standard 6-inch curb height to be flush with ramp.

(G) All work associated with accessible routes shall be installed flush with all features to minimize vertical surface discontinuities. Each segment along accessible route shall be flush with no more (zero tolerance) than a ¼-inch grade separation (elevation difference), or ½-inch grade separation if beveled (bevel slope shall not be steeper than 50%).

(H) A sidewalk header shall be constructed at ends of all work performed.

(I) Street crossings shall adhere to same guidelines as other accessible routes within public right-of-way, and shall be for the full width of the in-line accessible route. Cross slope shall not exceed 2%*. New street construction shall incorporate all ADA design requirements. It shall be the responsibility of the Design Professional and Contractor to ensure all street crossings meet the requirements of PROWAG. Street alterations on existing streets to bring to compliance shall be at the City Engineer's discretion.

(J) All curbs constructed as part of an ADA Ramp shall match City curb standards.

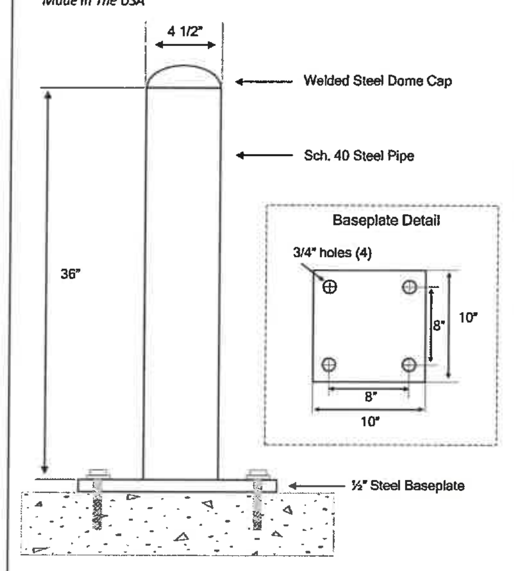
** See PROWAG special design considerations when street crossing has no stop or yield condition.*

DIRECTIONAL CURB RAMP	CITY OF ROCKWALL	DATE	DRAWING NO.
		MAR. '17	R-2125B

BollardsPlus
www.BollardBarrier.com

Bollards Plus, LLC
2121 Golden Rd
Suite 2A
Spring TX 77380
(713)-396-6166
Info@BollardBarrier.com
www.BollardBarrier.com

4" Bolt - Down Bollard, 36" Height
Made In The USA



Material:
- Sch 40 Carbon Steel Pipe*
- MTR Required
- Domestic Required

Finish:
- Prime*
- Paint*
- Hot Galvanize
- Cold Galvanize
- Powder Coat
- Epoxy Coat

Options:
- Dome Steel Cap*
- Dome Concrete Mount Steel Cap
- Flat Cap
- Flat Concrete Mount Steel Cap
- Concrete Fill
- Chain Loops

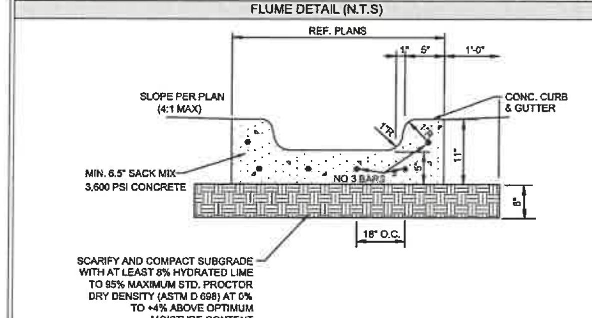
** Standard unless otherwise specified.*

Recommended Anchor: Concrete with 5/8"x6" Wedge Anchor Bolts

Bolt - Down Bollard
Surface Mounted
Item Number: SMB4x36(PP)
**not to scale*

Revision Date: 07/05/2021

FLUME DETAIL (N.T.S)



"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025	MATT LUCAS, P.E.
DATE:	BY:

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CITY ______________________ DATE __________

No.	REVISIONS	DATE	BY
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PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

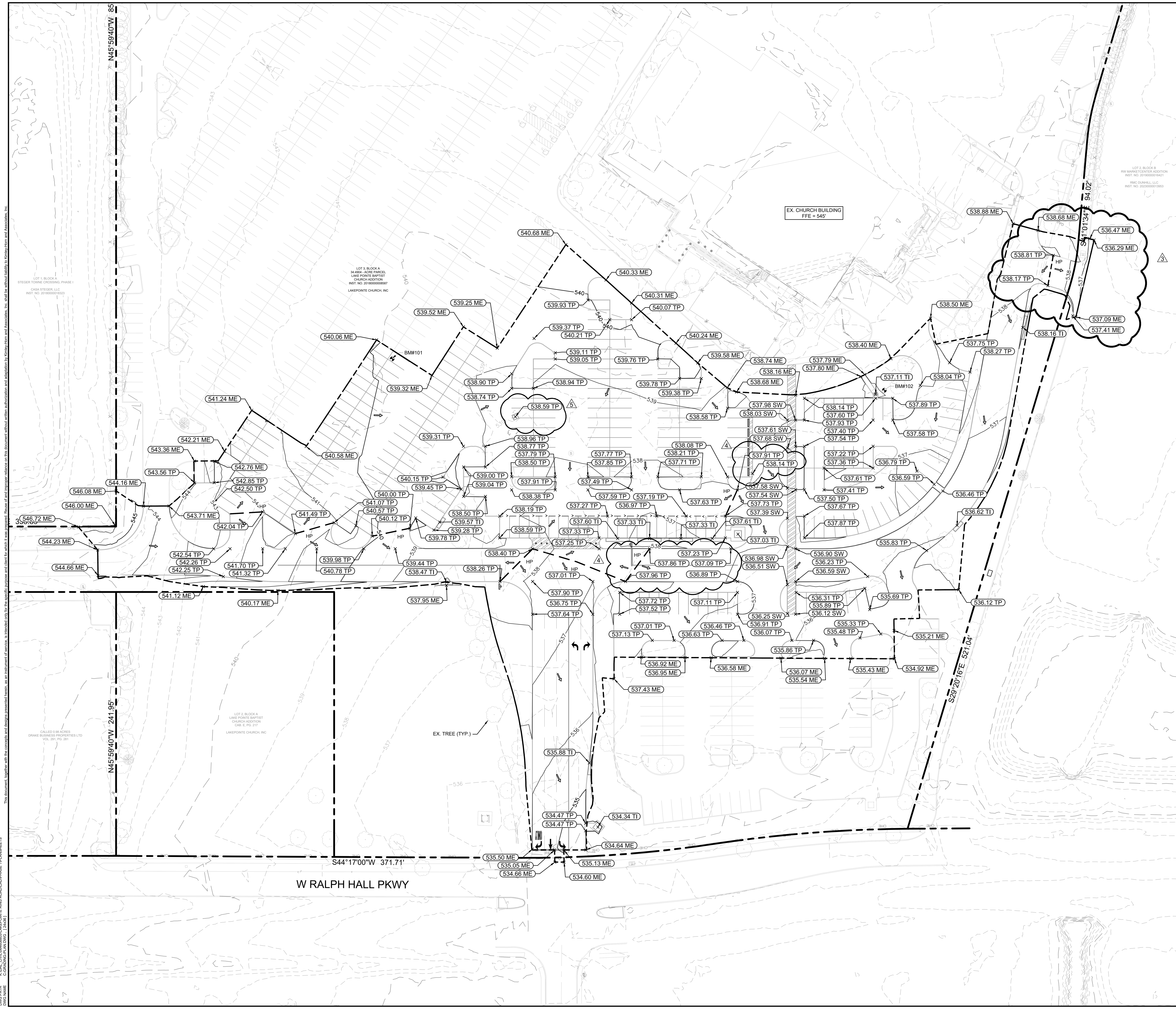
STATE OF TEXAS — MATTHEW A. LUCAS — 108727 — PROFESSIONAL ENGINEER — 9-19-24

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
064568805	09/19/2024	AS SHOWN	MJF	WV	MAL

ROCKWALL CAMPUS RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

PAVING DETAILS
(2 OF 2)

SHEET NUMBER
C-203



GRAPHIC SCALE IN FEET
0 20 40 80

GRADING GENERAL NOTES

1. ALL ELEVATIONS ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
3. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
4. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
5. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
7. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
8. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
9. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
10. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
11. GRADES IN ALL SIDEWALK, ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT TO EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS. PRIOR TO PLACING CONCRETE, CONTRACTOR SHALL INSPECT FORM WORK FOR COMPLIANCE. CONTACT CIVIL ENGINEER IMMEDIATELY WITH QUESTIONS.
12. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, STORM MANHOLES ETC. TO MATCH PROPOSED FINISHED GRADES, IF NECESSARY.
13. ACCESSIBLE PARKING SPACE AND ACCESS AISLE WIDTH DIMENSIONS ARE TO CENTERLINE OF STRIPING.
14. TOP OF INLET ELEVATION (TI) = TOP OF CURB ELEVATION AT PROPOSED INLET LOCATION

LEGEND

Symbol	Description
— — —	PROPERTY LINE
675.00 TP	PROPOSED TOP OF PAVEMENT ELEVATION
675.00 SW	PROPOSED SIDEWALK ELEVATION
675.00 ME	MATCH EXISTING ELEVATION
675.00 TI	TOP OF INLET ELEVATION
—— 555 ——	PROPOSED CONTOUR
- - 555 - -	EXISTING CONTOUR
— · —	LIMITS OF GRADING
— — —	PROPOSED HIGH POINT
— < — < —	PROPOSED SWALE

SITE DATA SUMMARY

TOTAL LOT AREA:	34.49 AC
TOTAL DISTURBED AREA:	4.62 AC

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

DATE: 12/18/2025
BY: MATT LUCAS, P.E.

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT SET IN CONCRETE IN A HATCHED PARKING AREA AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 82'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 83'± SOUTHWEST OF A LIGHT POLE.

ELEV: 539.96'

BM 102 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET AT THE NORTHEAST CORNER OF A STORM DRAIN INLET, 94'± SOUTHEAST OF THE SOUTHEAST CORNER OF A STUCCO BUILDING, AND 57'± SOUTHEAST OF A FIRE HYDRANT.

ELEV: 537.84'

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL
3	EASTERN ENTRY DRIVE ADJUSTMENT	10/16/2024	MJF
4	SPOT LABEL ADDITION	11/25/2024	MJF
5	SPOT LABEL ADDITION	01/07/2025	MJF

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KHA PROJECT	06468805
DATE	09/19/2024
SCALE	AS SHOWN
DESIGNED BY	MJF
DRAWN BY	WV
CHECKED BY	MAL

ROCKWALL CAMPUS RING ROAD PROJECT

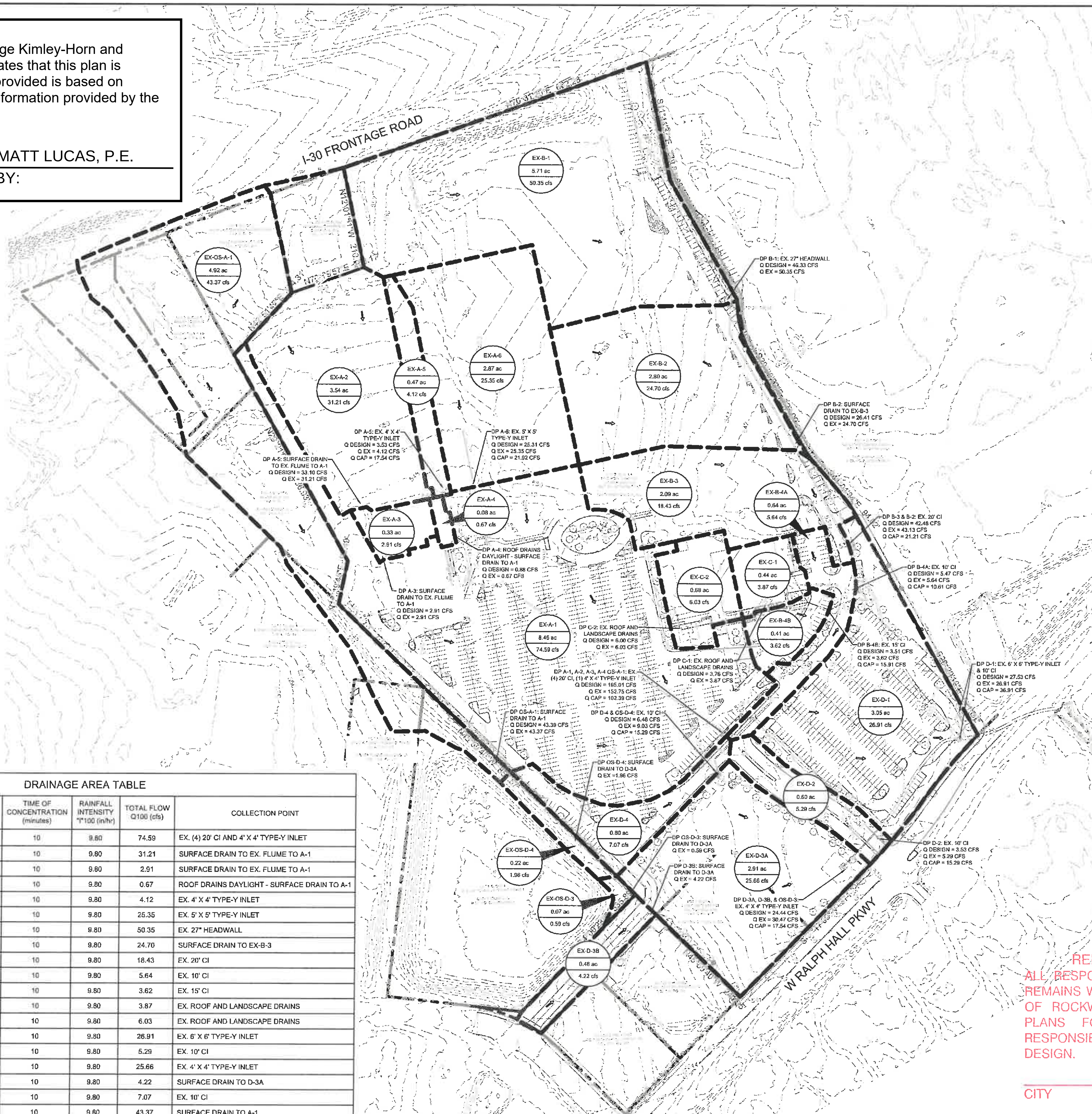
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

GRADING PLAN

SHEET NUMBER
C-301

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025	MATT LUCAS, P.E.
DATE:	BY:



GRAPHIC SCALE IN FEET
0 51.5 103.1 206.1

LEGEND

Symbol	Description
X-1	AREA DESIGNATOR
9.9 ac	AREA IN ACRES
5.5 cfs	Q100 FLOW IN CFS
— - - —	PROPERTY LINE
■■■■■■■■	PROPOSED DRAINAGE DIVIDE
⇨	PROPOSED FLOW DIRECTION

Q = C I A (CFS)
Q = DESIGN DISCHARGE (CFS)
C = RATIONAL METHOD RUNOFF COEFFICIENT
I = RAINFALL INTENSITY (INCH/HOUR)
A = DRAINAGE AREA (ACRES)

DRAINAGE GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. SEE STORM DRAIN PLAN & PROFILE SHEETS FOR DETAILED INFORMATION ON STORM DRAIN LINES.
3. ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERWISE NOTED.
4. EXISTING DRAINAGE AREAS SHOWN PER AS-BUILT DRAWINGS FOR THE EXISTING LAKEPOINTE ROCKWALL SUBJECT SITE. REFERENCE DRAWINGS FOR EACH DRAINAGE AREA IS OUTLINED BELOW:
   - 4.1. EX-A-1 TO EX-A-6: SHOWN PER "LAKEPOINTE CHURCH NEW CHAPEL/EDUCATION BUILDING" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 6/11/2018.
   - 4.2. EX-OS-A-1: OFF-SITE AREA DELINEATED SEPARATELY FROM DRAINAGE AREA A-1 IN AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 6/11/2018. DESIGN DISCHARGE RATE (Q DESIGN) FOR EX-OS-A-1 CALCULATED USING EX-OS-A-1 AREA (A) AND DRAINAGE CRITERIA OUTLINED IN THE AFOREMENTIONED AS-BUILT DRAWINGS (C=0.9, TC = 10 MIN, I = 9.8 IN/HR)
   - 4.3. EX-B-1 TO EX-B-3, EX-B-4A & EX-B-4B: SHOWN PER "LAKEPOINTE CHURCH PARKING AND DRAINAGE IMPROVEMENTS" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 8/23/2005.
   - 4.4. EX-C-1: SHOWN PER "LAKEPOINTE BAPTIST CHURCH YOUTH BUILDING" AS-BUILT GRADING AND UTILITY PLANS BY BENTLEY ENGINEERING DATED 3/6/2002. DESIGN DISCHARGE RATE (Q DESIGN) FOR EX-C-1 CALCULATED USING EX-C-1 AREA (A) AND DRAINAGE CRITERIA OUTLINED IN THE AFOREMENTIONED AS-BUILT DRAWINGS (C=0.9, TC = 12 MIN, I = 9.5 IN/HR)
   - 4.5. EX-D-1, EX-D-2, EX-D-3A, & EX-D-4A: SHOWN PER SHOWN PER "LAKEPOINTE CHURCH PARKING AND DRAINAGE IMPROVEMENTS" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 8/23/2005.
   - 4.6. EX-D-3B, EX-OS-D-3, & EX-OS-D-4: SHOWN PER TOPOGRAPHIC SURVEY BY KIMLEY-HORN DATED 3/21/2024. AS-BUILT DRAWINGS DID NOT INCLUDE THESE DRAINAGE AREAS IN DESIGN BUT TOPOGRAPHIC SURVEY INDICATES RUNOFF SURFACE DRAINS TO THE SUBJECT SITE IN EXISTING CONDITIONS.
5. DESIGN POINTS OUTLINED BELOW:
   - 5.1. Q DESIGN = DISCHARGE RATE PER AS-BUILT DRAWINGS
   - 5.2. Q EX = DISCHARGE RATE PER CITY OF ROCKWALL DRAINAGE CRITERIA
   - 5.3. Q CAP = EXISTING INLET CAPACITY

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT SET IN CONCRETE IN A HATCHED PARKING AREA AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 82'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 83'± SOUTHWEST OF A LIGHT POLE.

ELEV: 539.96'

BM 102 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET AT THE NORTHEAST CORNER OF A STORM DRAIN INLET, 94'± SOUTHEAST OF THE SOUTHEAST CORNER OF A STUCCO BUILDING, AND 57'± SOUTHEAST OF A FIRE HYDRANT.

ELEV: 537.84'

DRAINAGE AREA TABLE

DRAINAGE AREA NO.	AREA (ac)	ANTECEDENT FACTOR	RUNOFF COEFFICIENT "C"	TIME OF CONCENTRATION (minutes)	RAINFALL INTENSITY "I"100 (in/hr)	TOTAL FLOW Q100 (cfs)	COLLECTION POINT
EX-A-1	8.46	1.00	0.90	10	9.80	74.59	EX. (4) 20' CI AND 4' X 4' TYPE-Y INLET
EX-A-2	3.54	1.00	0.90	10	9.80	31.21	SURFACE DRAIN TO EX. FLUME TO A-1
EX-A-3	0.33	1.00	0.90	10	9.80	2.91	SURFACE DRAIN TO EX. FLUME TO A-1
EX-A-4	0.08	1.00	0.90	10	9.80	0.67	ROOF DRAINS DAYLIGHT - SURFACE DRAIN TO A-1
EX-A-5	0.47	1.00	0.90	10	9.80	4.12	EX. 4' X 4' TYPE-Y INLET
EX-A-6	2.87	1.00	0.90	10	9.80	25.35	EX. 5' X 5' TYPE-Y INLET
EX-B-1	5.71	1.00	0.90	10	9.80	50.35	EX. 27" HEADWALL
EX-B-2	2.80	1.00	0.90	10	9.80	24.70	SURFACE DRAIN TO EX-B-3
EX-B-3	2.09	1.00	0.90	10	9.80	18.43	EX. 20' CI
EX-B-4A	0.64	1.00	0.90	10	9.80	5.64	EX. 10' CI
EX-B-4B	0.41	1.00	0.90	10	9.80	3.62	EX. 15' CI
EX-C-1	0.44	1.00	0.90	10	9.80	3.87	EX. ROOF AND LANDSCAPE DRAINS
EX-C-2	0.68	1.00	0.90	10	9.80	6.03	EX. ROOF AND LANDSCAPE DRAINS
EX-D-1	3.05	1.00	0.90	10	9.80	26.91	EX. 6' X 6' TYPE-Y INLET
EX-D-2	0.60	1.00	0.90	10	9.80	5.29	EX. 10' CI
EX-D-3A	2.91	1.00	0.90	10	9.80	25.66	EX. 4' X 4' TYPE-Y INLET
EX-D-3B	0.48	1.00	0.90	10	9.80	4.22	SURFACE DRAIN TO D-3A
EX-D-4	0.80	1.00	0.90	10	9.80	7.07	EX. 10' CI
EX-OS-A-1	4.92	1.00	0.90	10	9.80	43.37	SURFACE DRAIN TO A-1
EX-OS-D-3	0.07	1.00	0.90	10	9.80	0.59	SURFACE DRAIN TO D-3A
EX-OS-D-4	0.22	1.00	0.90	10	9.80	1.96	SHEET FLOW TO EX-D-4

RELEASED FOR CONSTRUCTION
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CITY ____________ DATE ____________

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STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
06468805	09/19/2024	AS SHOWN	MJF	WV	MAL

ROCKWALL CAMPUS RING ROAD PROJECT

PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

EXISTING DRAINAGE AREA MAP

SHEET NUMBER
C-401

NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

DRAINAGE GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. SEE STORM DRAIN PLAN & PROFILE SHEETS FOR DETAILED INFORMATION ON STORM DRAIN LINES.
3. ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERWISE NOTED.
4. DRAINAGE AREAS SHOWN PER AS-BUILT DRAWINGS FOR THE EXISTING LAKEPOINTE ROCKWALL SUBJECT SITE. REFERENCE DRAWINGS FOR EACH DRAINAGE AREA IS OUTLINED BELOW:
   - 4.1. A-2 TO A-6: SHOWN PER "LAKEPOINTE CHURCH NEW CHAPEL/EDUCATION BUILDING" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 6/1/2018.
   - 4.2. OS-A-1: OFF-SITE AREA DELINEATED SEPARATELY FROM DRAINAGE AREA A-1 IN AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 6/11/2018. PROPOSED DISCHARGE RATE (Q PROP) FOR OS-A-1 CALCULATED USING CITY OF ROCKWALL DRAINAGE CRITERIA.
   - 4.3. B-1 TO B-3: SHOWN PER "LAKEPOINTE CHURCH PARKING AND DRAINAGE IMPROVEMENTS" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 8/23/2005.
   - 4.4. C-1 & C-2: SHOWN PER "LAKEPOINTE BAPTIST CHURCH YOUTH BUILDING" AS-BUILT GRADING AND UTILITY PLANS BY BENTLEY ENGINEERING DATED 3/6/2002. PROPOSED DISCHARGE RATE (Q PROP) FOR C-1 CALCULATED USING CITY OF ROCKWALL DRAINAGE CRITERIA.
   - 4.5. D-3B, OS-D-3B, & EX-OS-D-4: SHOWN PER TOPOGRAPHIC SURVEY BY KIMLEY-HORN DATED 3/21/2024. AS-BUILT DRAWINGS DID NOT INCLUDE THESE DRAINAGE AREAS IN DESIGN BUT TOPOGRAPHIC SURVEY INDICATES RUNOFF SURFACE DRAINS TO THE SUBJECT SITE IN EXISTING CONDITIONS.
5. DESIGN POINTS OUTLINED BELOW:
   - 5.1. Q PROP = PROPOSED DISCHARGE RATE PER CITY OF ROCKWALL DRAINAGE CRITERIA
   - 5.2. Q EX = EXISTING DISCHARGE RATE PER CITY OF ROCKWALL DRAINAGE CRITERIA
   - 5.3. Q CAP = INLET CAPACITY AT DISCHARGE POINT

LEGEND

- X-1 / 9.9 ac / 5.5 cfs — AREA DESIGNATOR, AREA IN ACRES, Q100 FLOW IN CFS
- PROPERTY LINE
- PROPOSED STORM DRAIN LINE
- EXISTING STORM DRAIN LINE
- PROPOSED DRAINAGE DIVIDE
- PROPOSED FLOW DIRECTION
- EXISTING CONTOUR

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT SET IN CONCRETE IN A MATCHED PARKING AREA, AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 62'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 83'± SOUTHWEST OF A LIGHT POLE.

ELEV: 539.96'

BM 102 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET AT THE NORTHEAST CORNER OF A STORM DRAIN INLET, 94'± SOUTHEAST OF THE SOUTHEAST CORNER OF A STUCCO BUILDING, AND 57'± SOUTHEAST OF A FIRE HYDRANT.

ELEV: 537.84'

DRAINAGE AREA TABLE

DRAINAGE AREA NO.	AREA (ac)	RUNOFF COEFFICIENT "C"	TIME OF CONCENTRATION (minutes)	RAINFALL INTENSITY "I" 100 (in/hr)	TOTAL FLOW Q100 (cfs)	COLLECTION POINT
A-2	3.54	0.90	10	9.80	31.21	SURFACE DRAIN TO A-1A
A-3	0.33	0.90	10	9.80	2.91	SURFACE DRAIN TO A-1A
A-4	0.08	0.90	10	9.80	0.67	SURFACE DRAIN TO A-1A
A-5	0.47	0.90	10	9.80	4.12	EX. 4' X 4' TYPE-Y INLET
A-6	2.87	0.90	10	9.80	25.35	EX. 5' X 5' TYPE-Y INLET
B-1	5.71	0.90	10	9.80	50.35	EX. 27" HEADWALL
B-2	2.80	0.90	10	9.80	24.70	SURFACE DRAIN TO B-3
B-3	2.13	0.90	10	9.80	18.80	INLET CI-B-3
OS-A-1	4.92	0.90	10	9.80	43.37	SURFACE DRAIN TO A-1A

OS-A-1 — 4.92 ac — 43.37 cfs

A-2 — 3.54 ac — 31.21 cfs

A-5 — 0.47 ac — 4.12 cfs

A-6 — 2.87 ac — 25.35 cfs

B-1 — 5.71 ac — 50.35 cfs

DP B-1: EX. 27" HEADWALL
Q EX = 50.35 CFS
Q PROP = 50.35 CFS

B-2 — 2.80 ac — 24.70 cfs

DP A-6: SURFACE DRAIN TO EX. FLUME TO A-1A
Q EX = 31.21 CFS
Q PROP = 31.21 CFS

DP A-5: EX. 4' X 4' TYPE-Y INLET
Q EX = 4.12 CFS
Q PROP = 4.12 CFS
Q CAP = 17.54 CFS

DP A-6: EX. 5' X 5' TYPE-Y INLET
Q EX = 25.35 CFS
Q PROP = 25.35 CFS
Q CAP = 21.92 CFS

A-3 — 0.33 ac — 2.91 cfs

A-4 — 0.08 ac — 0.67 cfs

DP A-3: SURFACE DRAIN TO EX. FLUME TO A-1A
Q EX = 2.91 CFS
Q PROP = 2.91 CFS

DP A-4: ROOF DRAINS DAYLIGHT - SURFACE DRAIN TO A-1A
Q EX = 0.67 CFS
Q PROP = 0.67 CFS

DP B-2: SURFACE DRAIN TO B-3
Q EX = 24.70 CFS
Q PROP = 24.70 CFS

B-3 — 2.13 ac — 18.80 cfs

DP B-3 & B-2: INLET CI-B-3
Q EX = 43.13 CFS
Q PROP = 43.50 CFS
Q CAP = 21.21 CFS
Q BYPASS (TO DP B-4A) = 22.28 CFS

A-1A — 1.75 ac

MATCH LINE SEE SHEET C-403

"RECORD DRAWINGS"
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12/18/2025 — DATE:
MATT LUCAS, P.E. — BY:

RELEASED FOR CONSTRUCTION
ALL RESPONSIBILITY FOR ADEQUACY OF THESE PLANS 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.

CITY — DATE

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM. TX F-928

STATE OF TEXAS
MATTHEW A. LUCAS
106727
LICENSED PROFESSIONAL ENGINEER
09-19-24

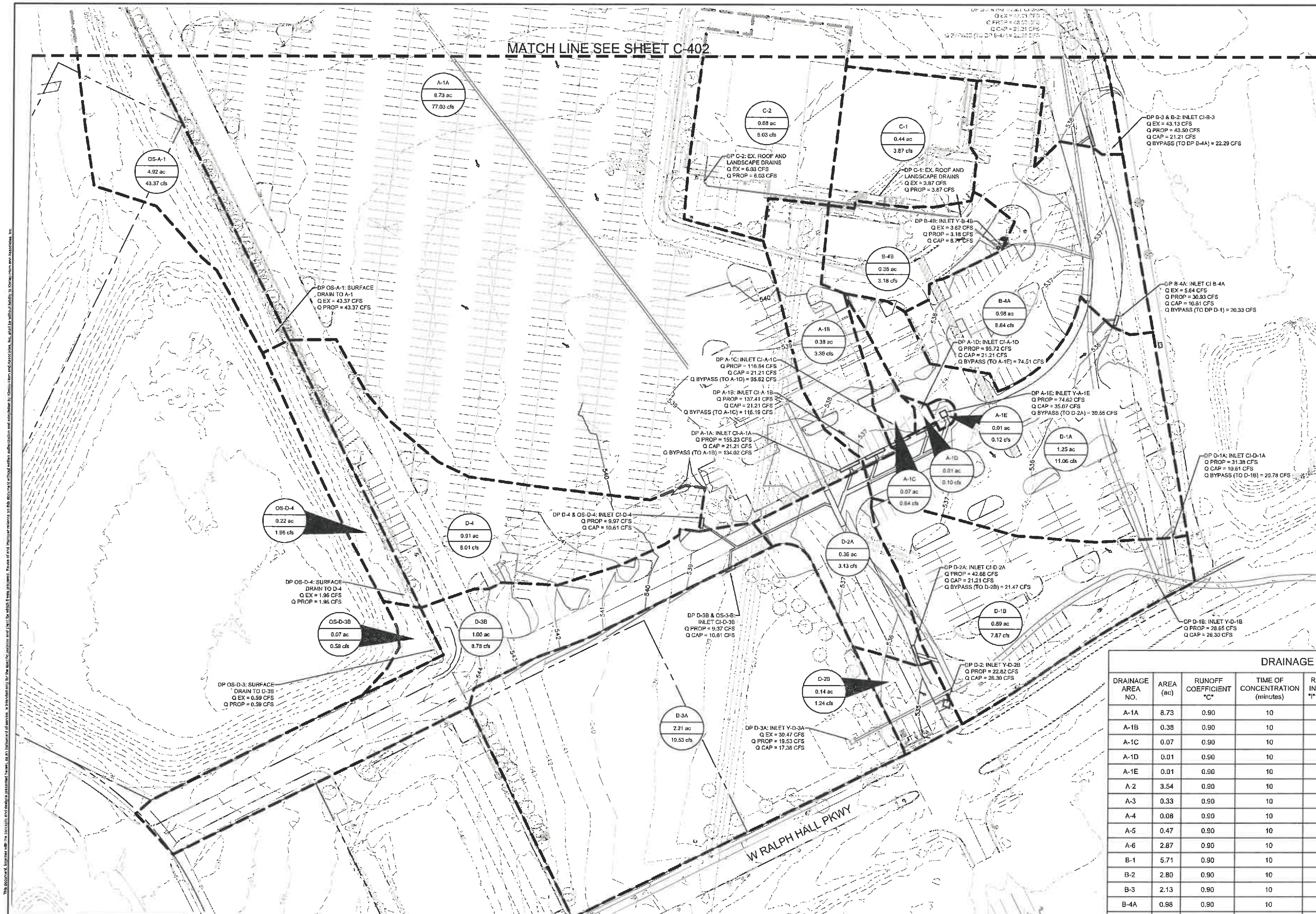
KHA PROJECT 064688005
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

PROPOSED DRAINAGE AREA MAP (1 OF 2)

SHEET NUMBER
C-402

BASES
XREFS
LAST SAVED
PLOTTED BY
DWG NAME



GRAPHIC SCALE IN FEET
0 25 50 100

DRAINAGE GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. SEE STORM DRAIN PLAN & PROFILE SHEETS FOR DETAILED INFORMATION ON STORM DRAIN LINES.
3. ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERWISE NOTED.
4. DRAINAGE AREAS SHOWN PER AS-BUILT DRAWINGS FOR THE EXISTING LAKEPOINTE ROCKWALL SUBJECT SITE. REFERENCE DRAWINGS FOR EACH DRAINAGE AREA IS OUTLINED BELOW:
   - 4.1. A-2 TO A-6: SHOWN PER "LAKEPOINTE CHURCH NEW CHAPEL/EDUCATION BUILDING" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 6/11/2018.
   - 4.2. OS-A-1: OFF-SITE AREA DELINEATED SEPARATELY FROM DRAINAGE AREA A-1 IN AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 6/11/2018. PROPOSED DISCHARGE RATE (Q PROP) FOR OS-A-1 CALCULATED USING CITY OF ROCKWALL DRAINAGE CRITERIA.
   - 4.3. B-1 TO B-3: SHOWN PER "LAKEPOINTE CHURCH PARKING AND DRAINAGE IMPROVEMENTS" AS-BUILT DRAWINGS BY HALFF ASSOCIATES DATED 8/23/2005.
   - 4.4. C-1 & C-2: SHOWN PER "LAKEPOINTE BAPTIST CHURCH YOUTH BUILDING" AS-BUILT GRADING AND UTILITY PLANS BY BENTLEY ENGINEERING DATED 3/6/2002. PROPOSED DISCHARGE RATE (Q PROP) FOR C-1 CALCULATED USING CITY OF ROCKWALL DRAINAGE CRITERIA.
   - 4.5. D-3B, OS-D-3B, & EX-OS-D-4: SHOWN PER TOPOGRAPHIC SURVEY BY KIMLEY-HORN DATED 3/21/2024. AS-BUILT DRAWINGS DID NOT INCLUDE THESE DRAINAGE AREAS IN DESIGN BUT TOPOGRAPHIC SURVEY INDICATES RUNOFF SURFACE DRAINS TO THE SUBJECT SITE IN EXISTING CONDITIONS.
5. DESIGN POINTS OUTLINED BELOW:
   - 5.1. Q PROP = PROPOSED DISCHARGE RATE PER CITY OF ROCKWALL DRAINAGE CRITERIA
   - 5.2. Q EX = EXISTING DISCHARGE RATE PER CITY OF ROCKWALL DRAINAGE CRITERIA
   - 5.3. Q CAP = INLET CAPACITY AT DISCHARGE POINT

LEGEND

Symbol	Description
X-1 / 9.9 ac / 5.5 cfs	AREA DESIGNATOR / AREA IN ACRES / Q100 FLOW IN CFS
	PROPERTY LINE
	PROPOSED STORM DRAIN LINE
	EXISTING STORM DRAIN LINE
	PROPOSED DRAINAGE DIVIDE
	PROPOSED FLOW DIRECTION
	EXISTING CONTOUR

DRAINAGE AREA TABLE

DRAINAGE AREA NO.	AREA (ac)	RUNOFF COEFFICIENT "C"	TIME OF CONCENTRATION (minutes)	RAINFALL INTENSITY "I"100 (in/hr)	TOTAL FLOW Q100 (cfs)	COLLECTION POINT
A-1A	8.73	0.90	10	9.80	77.03	INLET CI-A-1A
A-1B	0.38	0.90	10	9.80	3.39	INLET CI-A-1B
A-1C	0.07	0.90	10	9.80	0.64	INLET CI-A-1C
A-1D	0.01	0.90	10	9.80	0.10	INLET CI-A-1D
A-1E	0.01	0.90	10	9.80	0.12	INLET Y-A-1E
A-2	3.54	0.90	10	9.80	31.21	SURFACE DRAIN TO A-1A
A-3	0.33	0.90	10	9.80	2.91	SURFACE DRAIN TO A-1A
A-4	0.08	0.90	10	9.80	0.67	SURFACE DRAIN TO A-1A
A-5	0.47	0.90	10	9.80	4.12	EX. 4' X 4' TYPE-Y INLET
A-6	2.87	0.90	10	9.80	25.35	EX. 5' X 5' TYPE-Y INLET
B-1	5.71	0.90	10	9.80	50.35	EX. 27" HEADWALL
B-2	2.80	0.90	10	9.80	24.70	SURFACE DRAIN TO B-3
B-3	2.13	0.90	10	9.80	18.80	INLET CI-B-3
B-4A	0.98	0.90	10	9.80	8.64	INLET CI-B-4A
B-4B	0.36	0.90	10	9.80	3.18	INLET Y-B-4B
C-1	0.44	0.90	10	9.80	3.87	EX. ROOF AND LANDSCAPE DRAINS
C-2	0.68	0.90	10	9.80	6.03	EX. ROOF AND LANDSCAPE DRAINS
D-1A	1.25	0.90	10	9.80	11.06	INLET CI-D-1A
D-1B	0.89	0.90	10	9.80	7.87	INLET Y-D-1B
D-2A	0.36	0.90	10	9.80	3.13	INLET CI-D-2A
D-2B	0.14	0.90	10	9.80	1.24	INLET Y-D-2B
D-3A	2.21	0.90	10	9.80	19.53	INLET Y-D-3A
D-3B	1.00	0.90	10	9.80	8.78	INLET CI-D-3B
D-4	0.91	0.90	10	9.80	8.01	INLET CI-D-4
OS-A-1	4.92	0.90	10	9.80	43.37	SURFACE DRAIN TO A-1A
OS-D-3B	0.07	0.90	10	9.80	0.59	SURFACE DRAIN TO D-3B
OS-D-4	0.22	0.90	10	9.80	1.96	SURFACE DRAIN TO D-4

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT SET IN CONCRETE IN A HATCHED PARKING AREA AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 82'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 63'± SOUTHWEST OF A LIGHT POLE.

ELEV: 539.96'

BM 102 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET AT THE NORTHEAST CORNER OF A STORM DRAIN INLET, 94'± SOUTHEAST OF THE SOUTHEAST CORNER OF A STUCCO BUILDING, AND 57'± SOUTHEAST OF A FIRE HYDRANT.

ELEV: 537.84'

"RECORD DRAWINGS"
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DATE: 12/18/2025	BY: MATT LUCAS, P.E.

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CITY ____________ DATE ____________

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WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT 064868805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS RING ROAD PROJECT

PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

PROPOSED DRAINAGE AREA MAP (2 OF 2)

SHEET NUMBER
C-403

IMAGES
XREFS xArch : xBndry : xEsmt : xExBase : xExUtil : xLabel : xStrm : xUtil : cDmap : x24X36 : xBase - Update
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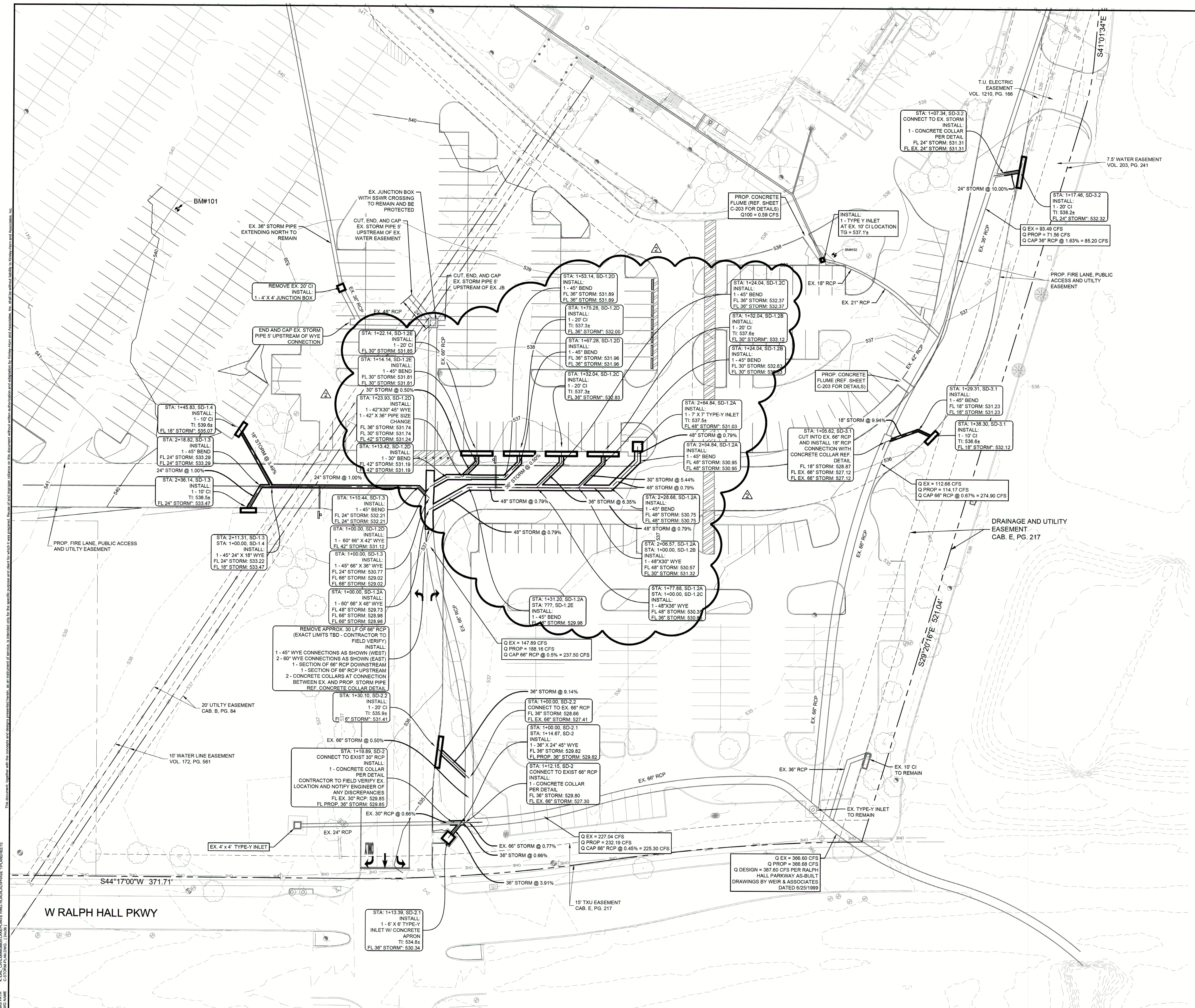

LEGEND

- PROPERTY LINE
- PROPOSED STORM PIPE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED CURB INLET
- PROPOSED GRATE INLET
- EXISTING JUNCTION BOX
- PROPOSED WYE INLET

DRAINAGE GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. SEE STORM DRAIN PLAN & PROFILE SHEETS FOR DETAILED INFORMATION ON STORM DRAIN LINES.
3. ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERWISE NOTED.
4. STORM SEWER PIPE AND BACKFILL UNDER THE BUILDING SHALL COMPLY WITH LOCAL PLUMBING CODE. REFERENCE MEP PLANS FOR PLUMBING CROSSINGS.
5. ALL MULTIFAMILY BUILDINGS SHALL CONNECT ROOF DRAINS TO UNDERGROUND STORM SEWER.
6. ALL STORM DRAINAGE PIPES SHALL BE PRIVATE UNLESS OTHERWISE NOTED.
7. TI (TOP OF INLET ELEVATION) = TOP OF CURB ELEVATION AT INLET LOCATIONS. REFER TO GRADING PLAN FOR TOP OF PAVEMENT ELEVATIONS.

"RECORD DRAWINGS"
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DATE: 12/18/2025 BY: MATT LUCAS, P.E.

CalHar Construction, Inc.
AS-BUILT DRAWINGS
[✓] Installed Per Plan
[ ] Changes As Noted
By:
Date:

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

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ELEV: 537.84'

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL
2	STORM CONNECTION ADJUSTMENTS	10/01/2024	MJF

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS — MATTHEW A. LUCAS — 108727 — LICENSED PROFESSIONAL ENGINEER

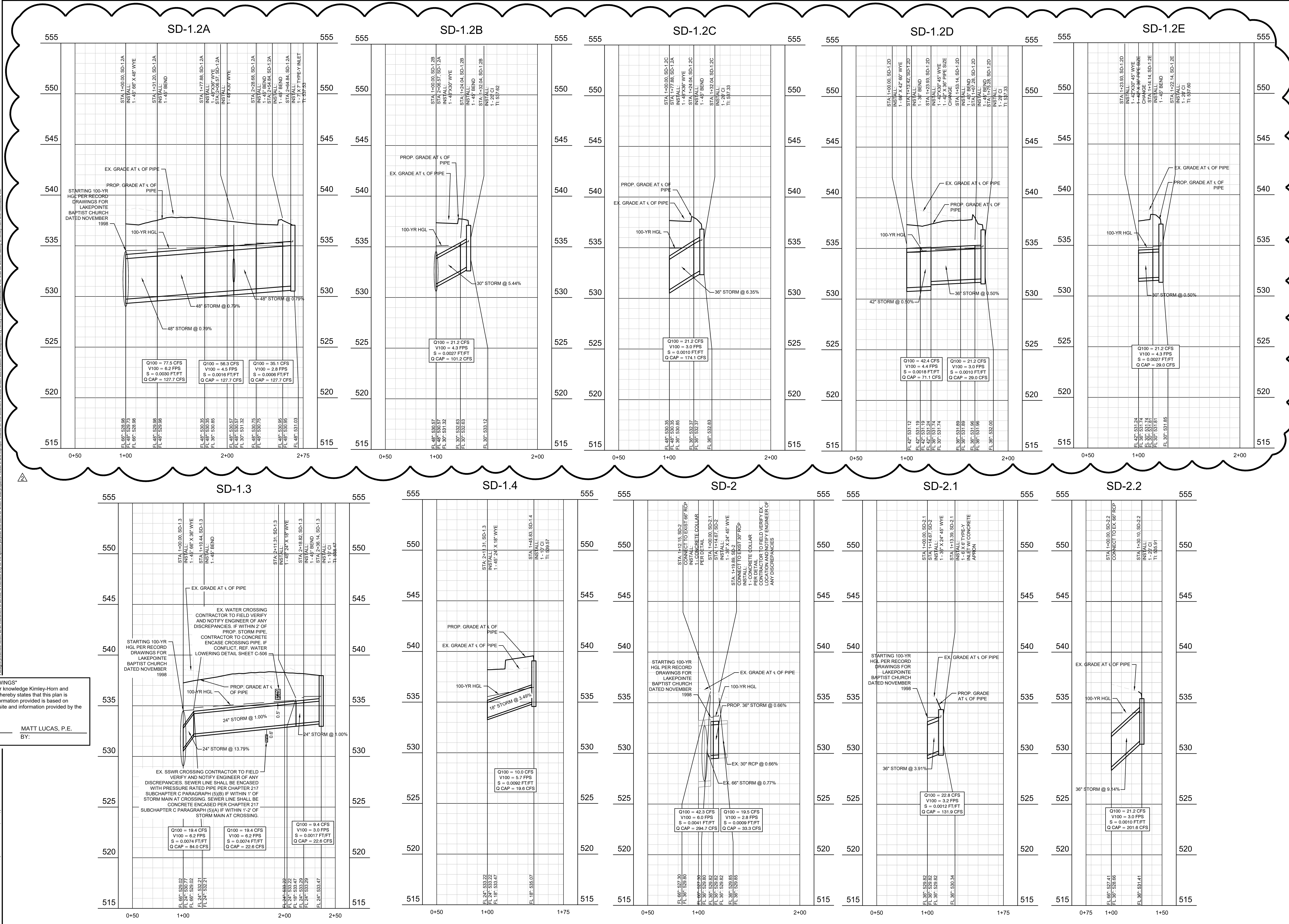
KHA PROJECT 064686805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS RING ROAD PROJECT

PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

STORM PLAN

SHEET NUMBER
C-501



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12/18/2025	MATT LUCAS, P.E.
DATE:	BY:

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STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
10-1-24

KHA PROJECT 064688805	DATE 09/19/2024	SCALE AS SHOWN	DESIGNED BY MJF	DRAWN BY WV	CHECKED BY MAL

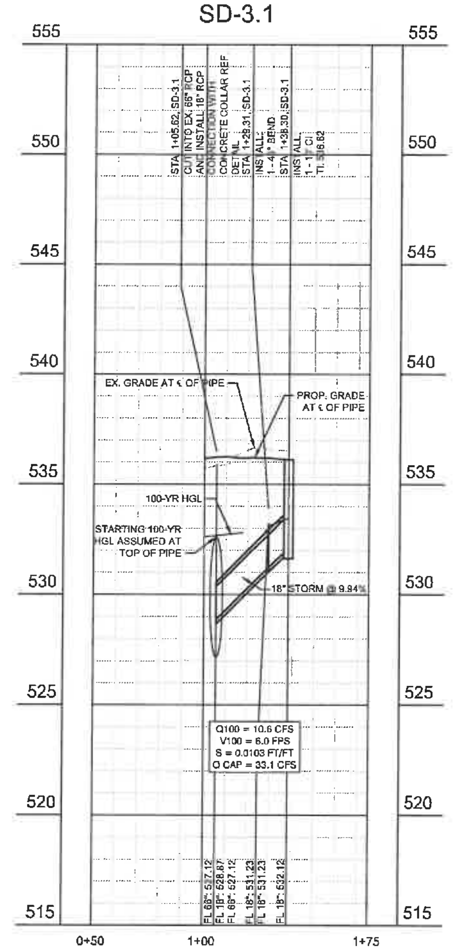
ROCKWALL CAMPUS RING ROAD PROJECT

PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

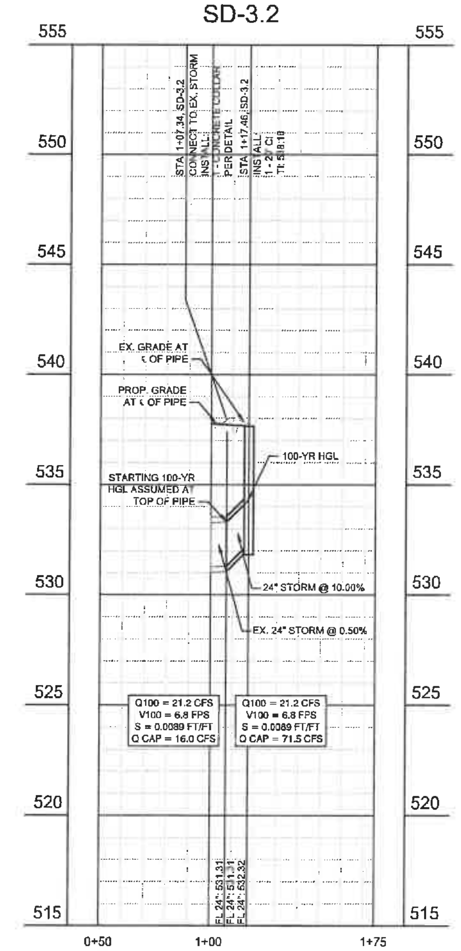
STORM PROFILES (1 OF 2)

SHEET NUMBER
C-502

SD-3.1



SD-3.2



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STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT 064688605	DATE 09/19/2024
SCALE	AS SHOWN
DESIGNED BY	MJF
DRAWN BY	WV
CHECKED BY	MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

STORM PROFILES (2 OF 2)

SHEET NUMBER
C-503

STORM PIPE CALCULATIONS

RUNOFF COLLECTION POINT INFORMATION			DRAINAGE AREA INFORMATION						Time at Up-Stream STA	Design Storm Freq-uency	Rainfall Intensity "I"	Storm Water Runoff "Q"	Hydra-ulic Grade Slope "S"	No. of Barrels	RCP	RCB		Velocity "V"	Head Loss Coeffi-cient "Kj"	Velocity Head Loss at Up-stream STA	Flow Time Between STA	Flow Time at Down-stream STA	HYDRAULIC GRADIENT ELEVATIONS	
Up-stream STA (FT)	Down-stream STA (FT)	Distance Between STA (FT)	Area ID	Intercepted Area "A" (AC)	Frequency Factor "K"	Runoff Coeff. "C"	Incre-mental "KCA"	Accum-ulated "KCA"	(MIN)	(YRS)	(IN/HR)	(CFS)	(FT/FT)	(EA)	Pipe Dia. (IN)	Box Span (IN)	Box Rise (FT)	(FPS)		(FT)	(MIN)	(MIN)	Up-stream (FT)	Down-stream (FT)
LINE SD-1.2A																								535.54
2+64.84	2+54.84	10.00	A-1E, A-1D BYPASS	0.01	1.00	0.90	3.58	3.58	10.0	100	9.80	35.1	0.0006	1	48	0	0	2.8	1.25	0.15	0.1	10.1	535.39	535.38
2+54.84	2+28.68	26.16	--	0.00	1.00	0.90	0.00	3.58	10.1	100	9.80	35.1	0.0006	1	48	0	0	2.8	0.35	0.10	0.2	10.3	535.28	535.27
2+28.68	2+06.57	22.11	--	0.00	1.00	0.90	0.00	3.58	10.3	100	9.80	35.1	0.0006	1	48	0	0	2.8	0.35	0.10	0.1	10.4	535.17	535.15
2+06.57	1+77.88	28.69	A-1D, C-A-1C BYPASS	0.01	1.00	0.90	2.16	5.74	10.4	100	9.80	56.3	0.0016	1	48	0	0	4.5	0.50	0.10	0.1	10.5	535.05	535.01
1+77.88	1+31.20	46.68	A-1C, C-A-1B BYPASS	0.07	1.00	0.90	2.16	7.91	10.5	100	9.80	77.5	0.0030	1	48	0	0	6.2	0.50	0.17	0.1	10.6	534.84	534.70
1+31.20	1+00.00	31.20	--	0.00	1.00	0.90	0.00	7.91	10.6	100	9.80	77.5	0.0030	1	48	0	0	6.2	0.43	0.10	0.1	10.7	534.60	534.51
LAT SD-1.2B																								535.60
1+32.04	1+24.04	8.00	A-1D, C-A-1C BYPASS	0.01	1.00	0.90	2.16	2.16	10.0	100	9.80	21.2	0.0027	1	30	0	0	4.3	1.25	0.36	0.0	10.0	535.24	535.22
1+24.04	1+00.00	24.04	--	0.00	1.00	0.90	0.00	2.16	10.0	100	9.80	21.2	0.0027	1	30	0	0	4.3	0.35	0.10	0.1	10.1	535.12	535.05
LAT SD-1.2C																								535.15
1+32.04	1+24.04	8.00	A-1C, C-A-1B BYPASS	0.07	1.00	0.90	2.16	2.16	10.0	100	9.80	21.2	0.0010	1	36	0	0	3.0	1.25	0.17	0.0	10.0	534.97	534.96
1+24.04	1+00.00	24.04	--	0.00	1.00	0.90	0.00	2.16	10.0	100	9.80	21.2	0.0010	1	36	0	0	3.0	0.35	0.10	0.1	10.1	534.86	534.84
LAT SD-1.2D																								535.33
1+75.28	1+67.28	8.00	A-1B, CI-A-1A BYPASS	0.38	1.00	0.90	2.16	2.16	10.0	100	9.80	21.2	0.0010	1	36	0	0	3.0	1.25	0.17	0.0	10.0	535.16	535.15
1+67.28	1+53.14	14.14	--	0.00	1.00	0.90	0.00	2.16	10.0	100	9.80	21.2	0.0010	1	36	0	0	3.0	0.35	0.10	0.1	10.1	535.05	535.03
1+53.14	1+23.93	29.21	--	0.00	1.00	0.90	0.00	2.16	10.1	100	9.80	21.2	0.0010	1	36	0	0	3.0	0.35	0.10	0.2	10.3	534.93	534.90
1+23.93	1+13.42	10.51	A-1A, A-2, A-3, OS-A-1	17.60	1.00	0.90	2.16	4.33	10.3	100	9.80	42.4	0.0018	1	42	0	0	4.4	0.50	0.13	0.0	10.3	534.78	534.76
1+13.42	1+00.00	13.42	--	0.00	1.00	0.90	0.00	4.33	10.3	100	9.80	42.4	0.0018	1	42	0	0	4.4	0.43	0.13	0.1	10.4	534.63	534.60
																			ma					
LAT SD-1.2E																								535.30
1+22.14	1+14.14	8.00	DA-A-1	17.60	1.00	0.90	2.16	2.16	10.0	100	9.80	21.2	0.0027	1	30	0	0	4.3	1.25	0.36	0.0	10.0	534.94	534.91
1+14.14	1+00.00	14.14	--	0.00	1.00	0.90	0.00	2.16	10.0	100	9.80	21.2	0.0027	1	30	0	0	4.3	0.35	0.10	0.1	10.1	534.81	534.78
LAT SD-1.3																								536.10
2+36.14	2+18.82	17.32	D-3B, OS-3-B	1.07	1.00	0.90	0.96	0.96	10.0	100	9.80	9.4	0.0017	1	24	0	0	3.0	1.25	0.17	0.1	10.1	535.93	535.90
2+18.82	2+11.31	7.51	--	0.00	1.00	0.90	0.00	0.96	10.1	100	9.80	9.4	0.0017	1	24	0	0	3.0	0.35	0.10	0.0	10.1	535.80	535.78
2+11.31	1+10.44	100.87	D-4, OS-D-4	1.13	1.00	0.90	1.02	1.97	10.1	100	9.80	19.4	0.0074	1	24	0	0	6.2	0.50	0.23	0.3	10.4	535.55	534.80
1+10.44	1+00.00	10.44	--	0.00	1.00	0.90	0.00	1.97	10.4	100	9.80	19.4	0.0074	1	24	0	0	6.2	0.35	0.21	0.0	10.4	534.60	534.52
LAT SD-1.4																								536.59
1+45.83	1+00.00	45.83	D-4, OS-D-4	1.13	1.00	0.90	1.02	1.02	10.0	100	9.80	10.0	0.0092	1	18	0	0	5.7	1.25	0.62	0.1	10.1	535.97	535.55
LAT SD-2																								533.77
1+19.89	1+14.67	5.22	D-3A	2.21	1.00	0.90	1.99	1.99	10.0	100	9.80	19.5	0.0009	1	36	0	0	2.8	0.25	0.10	0.0	10.0	533.67	533.67
1+14.67	1+12.15	2.52	D-2B, CI-D-2A BYPASS	0.14	1.00	0.90	2.33	4.32	10.0	100	9.80	42.3	0.0041	1	36	0	0	6.0	0.50	0.10	0.0	10.0	533.57	533.56
LAT SD-2.1																								533.79
1+13.39	1+00.00	13.39	D-2B, D-2A BYPASS	0.14	1.00	0.90	2.33	2.33	10.0	100	9.80	22.8	0.0012	1	36	0	0	3.2	1.25	0.20	0.1	10.1	533.59	533.57
LAT SD-2.2																								534.21
1+30.10	1+00.00	30.10	D-2A, CI-A-1 BYPASS	0.36	1.00	0.90	2.16	2.16	10.0	100	9.80	21.2	0.0010	1	36	0	0	3.0	1.25	0.17	0.2	10.2	534.03	534.00
LAT SD-3.1																								533.91
1+38.30	1+29.31	8.99	B-4A, B-3 BYPASS	0.98	1.00	0.90	1.08	1.08	10.0	100	9.80	10.6	0.0103	1	18	0	0	6.0	1.25	0.70	0.0	10.0	533.21	533.12
1+29.31	1+00.00	29.31	--	0.00	1.00	0.90	0.00	1.08	10.0	100	9.80	10.6	0.0103	1	18	0	0	6.0	0.35	0.20	0.1	10.1	532.92	532.62
LAT SD-3.2																								534.28
1+17.46	1+07.34	10.12	B-3, B-2	4.93	1.00	0.90	2.16	2.16	10.0	100	9.80	21.2	0.0089	1	24	0	0	6.8	1.25	0.88	0.0	10.0	533.40	533.31

LEGEND

- REFER TO INLET CALCULATIONS FOR CAPTURED RUNOFF CALCULATIONS
- INCREMENTAL KHA CALCULATED USING CAPTURED RUNOFF CALCULATIONS - REF. INLET CALCULATIONS
- REFER TO STORM PROFILES FOR STARTING HGL ELEVATION

CURB INLET CALCULATIONS

CURB INLET ID	Inlet Condition	Drainage Area	Area "A" Ac.	Runoff Coeff. "C"	Antecedent Factor "k"	Time of Concen-tration "Tc" Min.	Design Storm Frequency	Rainfall Intensity "I" in/hr	Storm Water Runoff "Q" cfs	Upstream Bypass "Q_B" cfs	Total Flow to Inlet "Q_T" cfs	LENGTH OF INLET OPENING L FT	MAX DEPTH OF PONDING d FT	HEIGHT OF INLET OPENING h FT	WEIR INLET CAPACITY Q CFS	ORFICE INLET CAPACITY Q CFS	INLET CAPACITY Q CFS	Flow Captured Q CFS	By Pass	KCA Captured
100-YEAR STORM ANALYSIS FOR CURB INLETS																				
CI-A-1A	On-Grade	A-1A, A-2, A-3, OS-A-1	17.60	0.90	1	10	100	9.8	155.23	0.00	155.23	20.00	0.50	0.67	21.21	30.58	21.21	21.21	134.02	2.16
CI-A-1B	SAG	A-1B, CI-A-1A BYPASS	0.38	0.90	1	10	100	9.8	3.39	134.02	137.41	20.00	0.50	0.67	21.21	30.58	21.21	21.21	116.19	2.16
CI-A-1C	SAG	A-1C, C-A-1B BYPASS	0.07	0.90	1	10	100	9.8	0.64	116.19	116.84	20.00	0.50	0.67	21.21	30.58	21.21	21.21	95.62	2.16
CI-A-1D	On-Grade	A-1D, C-A-1C BYPASS	0.01	0.90	1	10	100	9.8	0.10	95.62	95.72	20.00	0.50	0.67	21.21	30.58	21.21	21.21	74.51	2.16
CI-B-3	On-Grade	B-3, B-2	4.93	0.90	1	10	100	9.8	43.50	0.00	43.50	20.00	0.50	0.67	21.21	30.58	21.21	21.21	22.29	2.16
CI-B-4A	SAG	B-4A, B-3 BYPASS	0.98	0.90	1	10	100	9.8	8.64	22.29	30.93	10.00	0.50	0.67	10.61	15.29	10.61	10.61	20.33	1.08
CI-D-1A	SAG	D-1A, B-4A BYPASS	1.25	0.90	1	10	100	9.8	11.06	20.33	31.39	10.00	0.50	0.67	10.61	15.29	10.61	10.61	20.78	1.08
CI-D-2A	SAG	D-2A, CI-A-1 BYPASS	0.36	0.90	1	10	100	9.8	3.13	39.55	42.68	20.00	0.50	0.67	21.21	30.58	21.21	21.21	21.47	2.16
CI-D-3B	SAG	D-3B, OS-3-B	1.00	0.90	1	10	100	9.8	8.78	0.59	9.37	10.00	0.50	0.67	10.61	15.29	10.61	9.37	0.00	0.96
CI-D-4	SAG	D-4, OS-D-4	0.91	0.90	1	10	100	9.8	8.03	1.96	9.99	10.00	0.50	0.67	10.61	15.29	10.61	9.99	0.00	1.02

TYPE-Y INLET CALCULATIONS

INLET NAME	DRAINAGE AREA NAME	AREA (Acres)	ANTECEDENT FACTOR K	RUNOFF COFFICENT C	KCA	INTENSITY I (in/hr)	FLOW TO INLET Q (cfs)	DROP INLET SIZE ft x ft	HEAD ft	LENGTH OF INLET OPENING L (ft)	AREA OF INLET OPENING A (sq ft)	WEIR FLOW (cfs)	ORIFICE CAPACITY (cfs)
1	2	3	4	5	6	7	8	9	10	13	14	16	17
Y-A-1E	A-1E, A-1D BYPASS	0.01	1	0.9	7.61	9.8	74.63	8	0.50	32	16.00	35.07	38.52
Y-B-4B	B-4B	0.36	1	0.9	0.32	9.8	3.18	2	0.50	8	4.00	8.77	9.63
Y-D-1B	D-1B, D-1A BYPASS	0.89	1	0.9	2.92	9.8	28.65	6	0.50	24	12.00	26.30	28.89
Y-D-2B	D-2B, D-2A BYPASS	0.14	1	0.9	2.33	9.8	22.82	6	0.50	24	12.00	26.30	28.89
Y-D-3A	D-3A	2.21	1	0.9	1.99	9.8	19.53	4	0.50	16	8.00	17.38	19.14

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 — MATT LUCAS, P.E.
DATE: BY:

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL
2	STORM CONNECTION ADJUSTMENTS	10/01/2024	MJF

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

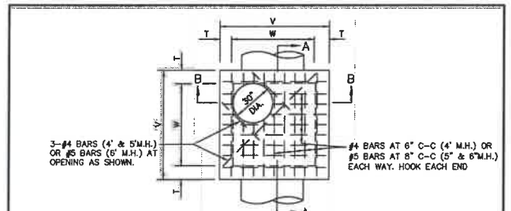
STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
10-1-24

KHA PROJECT 06468805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

STORM CALCULATIONS

SHEET NUMBER
C-504

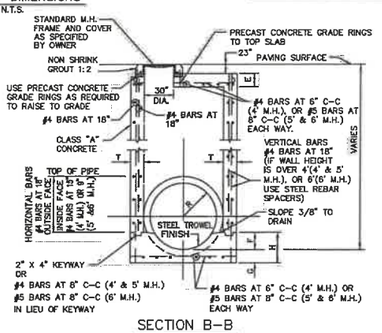


PLAN
N.T.S.

M.H. SIZE(W)	V	T	E	F	G	H
4'	5'–4"	8"	6"	9"	6"	1'–3"
5'	6'–4"	8"	6"	12"	6"	1'–8"
6'	7'–6"	9"	9"	16"	10"	2'–2"

TABLE OF DIMENSIONS
N.T.S.

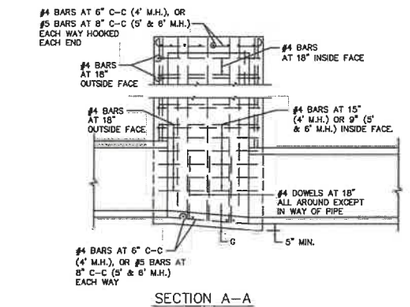
ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 7.0 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.



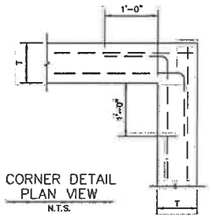
SECTION B–B
N.T.S.

STORM WATER MANHOLE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.14.1*	
4', 5', OR 6' SQUARE		DATE Mar. 2018	STANDARD DRAWING NO. R-6010A

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. *Public Works Construction Standards North Central Texas, Fifth Edition.*



SECTION A–A
N.T.S.

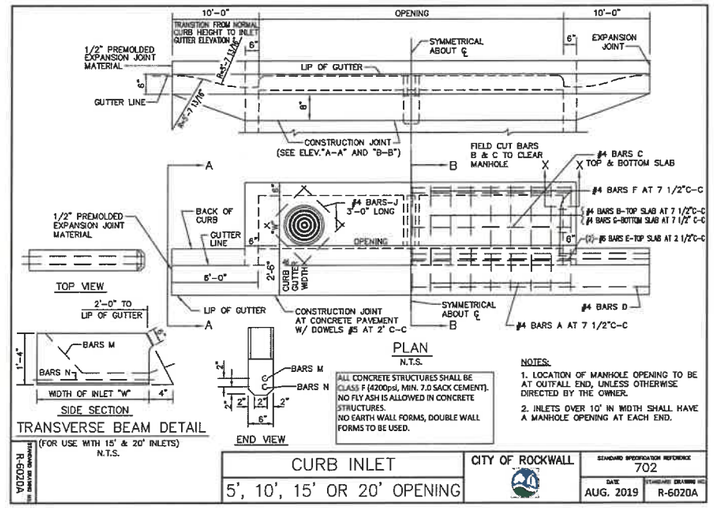


CORNER DETAIL
PLAN VIEW
N.T.S.

NOTES:
1. SLOPE INVERT OF MANHOLE AS INDICATED ON PLAN–PROFILE SHEET.
2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACE SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS, UNLESS OTHERWISE NOTED.
3. ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 7.0 SACK CEMENT).
4. NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

STORM WATER MANHOLE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.14.1*	
4', 5', OR 6' SQUARE		DATE Mar. 2018	STANDARD DRAWING NO. R-6010B

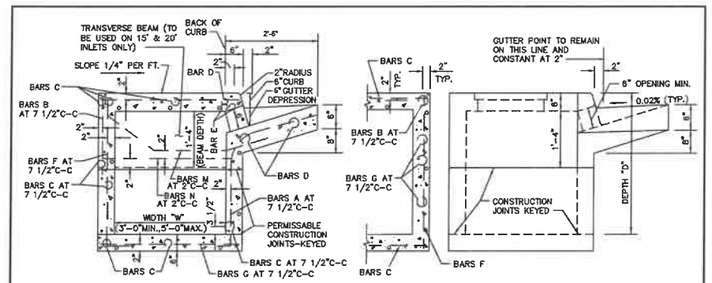
*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. *Public Works Construction Standards North Central Texas, Fifth Edition.*



PLAN
N.T.S.

NOTES:
1. LOCATION OF MANHOLE OPENING TO BE AT OUTFALL END, UNLESS OTHERWISE DIRECTED BY THE OWNER.
2. INLETS OVER 10' IN WIDTH SHALL HAVE A MANHOLE OPENING AT EACH END.

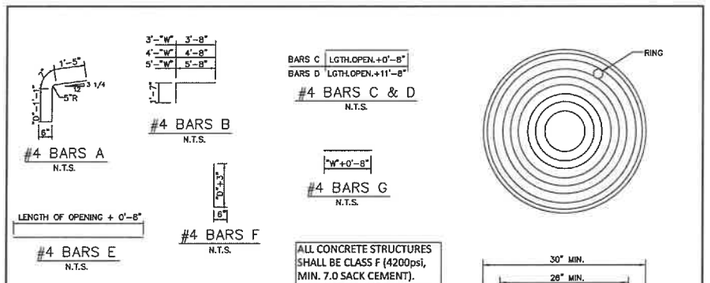
CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702	
5', 10', 15' OR 20' OPENING		DATE AUG. 2019	STANDARD DRAWING NO. R-6020A



GENERAL NOTES:
1. ALL CONCRETE SHALL BE CLASS "A" CONCRETE.
2. REINFORCING BARS SHALL BE STANDARD GRADE STEEL, DEFORMED REINFORCING BARS OF A DIAMETER AND LENGTH AS SHOWN.
3. CHAMFER ALL EXPOSED CORNERS 3/4" EXCEPT WHERE OTHERWISE NOTED.
4. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
5. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMODATE STORM SEWER PIPE.
6. RING AND COVER SHALL BE APPROVED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 7.0 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES. NO EARTH WALL FORMS, DOUBLE WALL FORMS TO BE USED.

R-6020B	CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702	
	CROSS SECTION & INLET THROAT		DATE AUG. 2019	STANDARD DRAWING NO. R-6020B

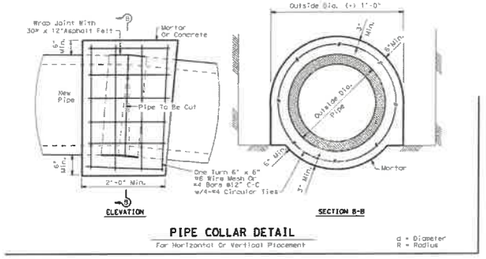


R-6020C	CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702	
	REBAR & M.H. FRAME & COVER		DATE Mar. 2018	STANDARD DRAWING NO. R-6020C

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 DATE:

MATT LUCAS, P.E. BY:



PIPE COLLAR DETAIL
For Horizontal Or Vertical Placement

d = Diameter
R = Radius

RELEASED FOR CONSTRUCTION
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.

CITY DATE

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	08/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

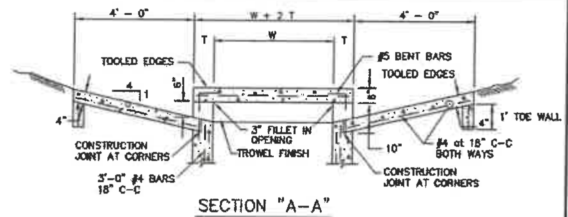
STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
12-19-24

KHA PROJECT 064868005
DATE 08/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

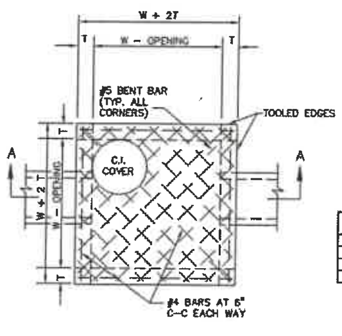
ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

STORM DETAILS
(1 OF 2)

SHEET NUMBER
C-505



SECTION "A–A"
N.T.S.



PLAN OF TOP SLAB
N.T.S.

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 7.0 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.
NO EARTH WALL FORMS, DOUBLE WALL FORMS TO BE USED.

INLET SIZE	T	W
2' SQUARE	7"	2'-0"
4' SQUARE	7"	4'-0"
5' SQUARE	8"	5'-0"
6' SQUARE	9"	6'-0"

NOTES:

1. MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF NCTCOG STANDARD SPECIFICATIONS FOR STANDARD CONCRETE MANHOLES. MINIMUM CLASS "A" CONCRETE.
2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACES SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS, UNLESS OTHERWISE NOTED.
3. FOR DETAILS OF REINFORCING OF LOWER PORTIONS OF INLET SEE APPROPRIATE SQUARE MANHOLE DETAILS.
4. DEPTH OF DROP INLET FROM FINISHED GRADE TO FLOW LINE OF INLET IS VARIABLE. APPROXIMATE DEPTH WILL BE SHOWN ON PLANS AT LOCATION OF INLET.
5. ALL STANDARD DROP INLETS SHALL HAVE ONE OPENING ON EACH SIDE UNLESS OTHERWISE SHOWN ON PLANS.
6. DECK MAY BE REINFORCED SAME AS 4' SQUARE MANHOLE.

DROP INLET
2', 4', 5' OR 6' SQUARE
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 702
DATE Mar. 2018
STANDARD DRAWING NO. R-6040

BILL OF REINFORCING STEEL

DEPTH "D"	ALL WIDTHS AND LENGTHS				OPENING LENGTH "L" = 5ft						OPENING LENGTH "L" = 10ft						OPENING LENGTH "L" = 15 ft								OPENING LENGTH "L" = 20 ft							
					Widths "W" 3ft	4ft	5ft				Widths "W" 3ft	4ft	5ft				Widths "W" 3ft	4ft	5ft						Widths "W" 3ft	4ft	5ft					
	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS
	C	D	E	J	F	F	F	A	B	G	F	F	F	A	B	G	F	F	F	A	B	G	M	N	F	F	F	A	B	G	M	N
3'-6"	17	3	2	4	20	24	28	10	10	20	28	32	36	18	18	28	36	40	44	26	26	36	2	2	44	48	52	34	34	44	2	2
3'-9"	18	"	"	"	"	"	"	"	"	20	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	"	"	44	"	"
4'-0"	19	"	"	"	"	"	"	"	"	24	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	"	"	48	"	"
4'-3"	19	"	"	"	"	"	"	"	"	24	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	"	"	48	"	"
4'-6"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"
4'-9"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"
5'-0"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"
5'-3"	23	"	"	"	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	"	"	52	"	"
5'-6"	23	"	"	"	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	"	"	52	"	"
5'-9"	25	"	"	"	"	"	"	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	"	"	54	"	"
6'-0"	25	"	"	"	"	"	"	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	"	"	54	"	"
6'-3"	26	"	"	"	"	"	"	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	"	"	54	"	"
6'-6"	27	"	"	"	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	"	"	56	"	"
6'-9"	27	"	"	"	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	"	"	56	"	"
7'-0"	29	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"
7'-3"	29	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"
7'-6"	30	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"
7'-9"	31	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"
8'-0"	31	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"
8'-3"	32	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"
8'-6"	33	"	"	"	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	54	"	"	"	"	"	"	"	62	"	"
8'-9"	34	"	"	"	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	54	"	"	"	"	"	"	"	62	"	"
9'-0"	35	"	"	"	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	56	"	"	"	"	"	"	"	64	"	"
9'-3"	36	"	"	"	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	56	"	"	"	"	"	"	"	64	"	"
9'-6"	37	"	"	"	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	58	"	"	"	"	"	"	"	66	"	"
10'-0"	38	"	"	"	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	58	"	"	"	"	"	"	"	66	"	"

NOTE:
FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLES ARE IN INCREMENTS OF 3 INCHES BUT ANY DEPTHS OTHER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TABLE MAY BE FOUND BY INTERPOLATION.

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 7.0 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

R-6020D

CURB INLET
BILL OF REINFORCING STEEL
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 702
DATE Mar. 2018
STANDARD DRAWING NO. R-6020D

SUMMARY OF QUANTITIES FOR CURB INLETS

DEPTH "D"	5'-0" OPENING						10'-0" OPENING						15'-0" OPENING						20'-0" OPENING					
	WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"		WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"		WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"		WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"	
	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.
3'-6"	2.62	306	2.95	332	3.28	373	4.12	479	4.64	521	5.20	564	5.69	667	6.40	721	7.10	775	7.20	846	8.11	909	9.03	976
3'-9"	2.70	309	3.04	341	3.39	373	4.25	494	4.78	536	5.34	579	5.87	687	6.58	741	7.30	796	7.42	874	8.34	937	9.27	1010
4'-0"	2.78	328	3.14	364	3.49	399	4.38	518	4.92	565	5.49	610	6.05	718	6.77	776	7.49	835	7.64	909	8.58	976	9.51	1046
4'-3"	2.87	334	3.23	370	3.59	406	4.51	526	5.06	573	5.64	619	6.22	729	6.95	787	7.69	847	7.87	922	8.81	990	9.75	1061
4'-6"	2.95	356	3.32	394	3.69	431	4.64	558	5.20	607	5.79	656	6.40	770	7.14	830	7.88	891	8.09	973	9.04	1043	9.99	1115
4'-9"	3.03	361	3.41	410	3.79	438	4.77	565	5.34	616	5.94	665	6.57	780	7.32	841	8.07	903	8.31	986	9.27	1056	10.23	1129
5'-0"	3.12	367	3.51	416	3.90	445	4.90	574	5.47	624	6.09	674	6.75	791	7.51	853	8.27	915	8.53	999	9.50	1070	10.47	1144
5'-3"	3.20	383	3.60	424	4.00	465	5.03	600	5.61	652	6.23	704	6.93	827	7.69	890	8.46	955	8.76	1044	9.73	1118	10.71	1194
5'-6"	3.28	389	3.69	430	4.10	472	5.16	608	5.75	661	6.38	713	7.11	837	7.88	901	8.66	987	8.98	1057	9.97	1131	10.95	1208
5'-9"	3.37	405	3.78	451	4.20	495	5.29	635	5.89	690	6.53	744	7.28	874	8.07	940	8.85	1007	9.20	1102	10.20	1178	11.19	1258
6'-0"	3.45	415	3.88	460	4.30	504	5.42	646	6.03	702	6.68	757	7.45	888	8.25	954	9.05	1022	9.42	1119	10.43	1196	11.43	1276
6'-3"	3.53	425	3.97	470	4.41	515	5.55	661	6.17	718	6.83	773	7.63	908	8.44	975	9.24	1044	9.64	1147	10.66	1223	11.67	1305
6'-6"	3.62	437	4.06	486	4.51	532	5.68	681	6.31	739	6.97	797	7.81	935	8.62	1005	9.43	1057	9.87	1178	10.89	1258	11.92	1340
6'-9"	3.70	441	4.15	490	4.61	537	5.81	688	6.45	747	7.12	806	7.98	945	8.81	1015	9.63	1066	10.09	1191	11.12	1272	12.15	1355
7'-0"	3.78	460	4.25	510	4.71	560	5.94	716	6.59	777	7.27	837	8.16	981	8.99	1053	9.82	1126	10.31	1237	11.35	1319	12.40	1404
7'-3"	3.86	465	4.34	516	4.81	567	6.07	724	6.72	785	7.42	846	8.33	992	9.18	1065	10.02	1138	10.53	1249	11.59	1333	12.64	1418
7'-6"	3.95	477	4.43	529	4.91	570	6.20	742	6.86	804	7.57	866	8.51	1016	9.36	1089	10.21	1163	10.75	1290	11.82	1365	12.88	1451
7'-9"	4.03	491	4.53	544	5.02	597	6.33	762	7.00	826	7.71	890	8.67	1040	9.55	1116	10.41	1193	10.98	1313	12.05	1399	13.12	1498
8'-0"	4.12	496	4.62	550	5.12	604	6.46	770	7.14	834	7.86	899	8.86	1051	9.73	1129	10.60	1205	11.20	1325	12.28	1412	13.36	1510
8'-3"	4.20	504	4.71	559	5.22	613	6.59	784	7.28	849	8.01	915	9.04	1069	9.92	1149	10.80	1228	11.42	1353	12.51	1440	13.60	1529
8'-6"	4.28	519	4.80	576	5.32	632	6.71	804	7.42	871	8.16	938	9.21	1107	10.10	1176	10.99	1257	11.64	1385	12.74	1474	13.84	1565
8'-9"	4.37	528	4.90	586	5.42	643	6.84	819	7.56	886	8.31	954	9.39	1119	10.29	1199	11.18	1280	11.87	1410	12.97	1500	14.08	1592
9'-0"	4.45	545	4.99	605	5.53	664	6.97	842	7.70	912	8.46	982	9.56	1148	10.47	1231	11.38	1313	12.09	1447	13.21	1539	14.32	1631
9'-3"	4.53	554	5.08	614	5.63	674	7.10	858	7.84	929	8.60	999	9.74	1169	10.66	1252	11.57	1335	12.31	1474	13.44	1563	14.56	1660
9'-6"	4.62	568	5.17	630	5.73	692	7.23	878	7.97	950	8.75	1022	9.92	1195	10.84	1280	11.77	1365	12.53	1505	13.67	1600	14.80	1696
10'-0"	4.78	582	5.36	645	5.93	708	7.49	900	8.11	974	9.05	1048	10.27	1227	11.21	1312	12.16	1399	12.98	1546	14.13	1642	15.29	1739

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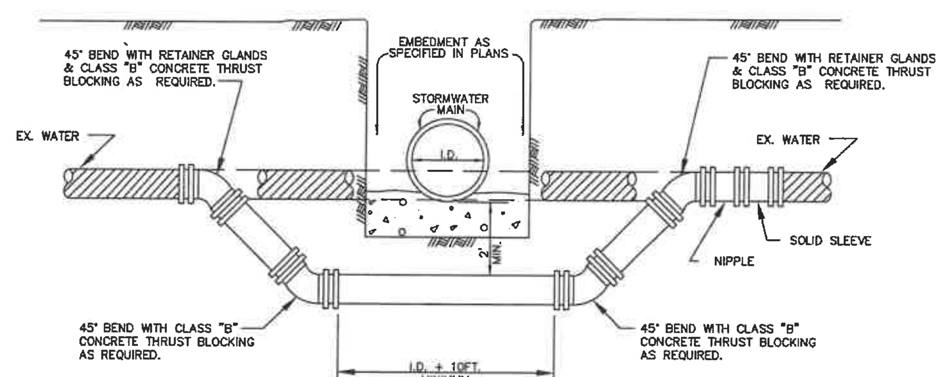
NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

R-6020E

CURB INLET
SUMMARY OF QUANTITIES
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 702
DATE Mar. 2018
STANDARD DRAWING NO. R-6020E



NOTES:
1. IF THE WATER MAIN IS BEING LOWERED UNDER WASTEWATER, THEN IT MUST COMPLY WITH TCEQ REQUIREMENTS

4200

WATER MAIN LOWERING
BELOW STORMWATER MAIN
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 506
DATE AUG '23
STANDARD DRAWING NO. 4200

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 — MATT LUCAS, P.E.
DATE: — BY:

RELEASED FOR CONSTRUCTION
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.

CITY — DATE

No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS
MATTHEW A. LUCAS
108727
LICENSED PROFESSIONAL ENGINEER
9-19-24

KHA PROJECT 064468805
DATE 09/19/2024
SCALE AS SHOWN
DESIGNED BY MJF
DRAWN BY WV
CHECKED BY MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

STORM DETAILS
(2 OF 2)

SHEET NUMBER
C-506

EROSION CONTROL SCHEDULE AND PHASING

THE PROJECT SHALL GENERALLY CONFORM TO THE FOLLOWING:

PHASE A - GRADING
1. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, DIKE, AND TREE PROTECTION FENCE ACCORDING TO THE APPROXIMATE LOCATION AND SHOWN ON GRADING AND EROSION CONTROL PLAN NOTES AND DETAIL SHEET.
2. BEGIN CLEARING AND GRADING OF SITE.
3. SEED AND REVEGETATE SLOPES WHERE SHOWN.

PHASE B - UTILITIES
1. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
2. INSTALL STORM DRAINS, SANITARY SEWER, AND WATER AS SPECIFIED ON PLAN SHEETS.

PHASE C - PAVING
1. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE. REMOVE AS NEEDED TO PAVE.
2. STABILIZE SUBGRADE.
3. PAVE STREETS AND SIDEWALKS AS SPECIFIED ON PLAN SHEETS.
4. RE-INSTALL ANY STORM WATER POLLUTION PREVENTION MEASURES REMOVED FOR PAVING OPERATIONS.

PHASE D - LANDSCAPING AND SOIL STABILIZATION.
1. REVEGETATE LOT AND PARKWAYS
2. LANDSCAPE CONTRACTOR SHALL REVEGETATE ALL AREAS RESERVED FOR LANDSCAPE VEGETATIVE COVERS.
3. REMOVE EROSION CONTROL DEVICES WHEN MINIMUM 70% GROUND COVER IS ESTABLISHED. VEGETATION MUST BE ESTABLISHED BEFORE STRUCTURAL CONTROLS REMOVED.

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

SITE DATA SUMMARY

TOTAL LOT AREA:	34.49 AC
TOTAL DISTURBED AREA:	4.69 AC

"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

12/18/2025 — DATE:
MATT LUCAS, P.E. — BY:

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

	——632——	PROPOSED CONTOUR
	- - -632- - -	EXISTING CONTOUR
(SF)	— SF —	SILT FENCE
(LD)	— — —	LIMITS OF DISTURBANCE
(IP)		INLET PROTECTION
(TP)		TREE PROTECTION

RELEASED FOR CONSTRUCTION
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.

CITY — DATE

EROSION CONTROL GENERAL NOTES

1. EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY ENGINEERING DIVISION.
3. 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.
4. 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 HALL 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.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE TCEQ CONTRACTOR SHALL COMPLY WITH ALL TCEQ STORMWATER POLLUTION PREVENTION REQUIREMENTS.

BMP MAINTENANCE SCHEDULE

TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO ENSURE THAT THE FACILITY IS FUNCTIONING PROPERLY. AGGREGATE PAD SHALL BE WASHED DOWN OR REPLACED WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN THE STONES OR MUD IS BEING TRACKED ONTO THE PUBLIC ROADWAY. RUNOFF FROM WASHDOWN OPERATION SHALL BE FILTERED THROUGH ANOTHER B.M.P. PRIOR TO DRAINING OFF-SITE.

SILT FENCE:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS. SEDIMENT SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-THIRD THE HEIGHT OF THE FENCE ABOVE GRADE. FENCE SHALL BE INSPECTED FOR GAPS AT BASE. INSPECT SUPPORTING POSTS AND FILTER FABRIC. REPLACE IF REQUIRED.

CURB INLET/GRATE INLET/WYE INLET:

INSPECTIONS SHALL BE MADE WEEKLY AND AFTER ALL RAIN EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. REMOVE SEDIMENT FROM THE STORAGE AREA SURROUNDING THE INLET/GRATE WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-HALF OF THE PROTECTION HEIGHT. DEVICE SHALL BE INSPECTED FOR GAPS AT BASE, AND SHALL BE REPLACED AS NEEDED.

SITE MAP GENERAL NOTES

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
2. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
3. DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY PROPOSED AND EXISTING CONTOURS, FLOW ARROWS AND/OR SLOPES.
4. 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.
5. 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.
6. SANITARY SEWER EFFLUENT IS DISPOSED OF VIA AN ONSITE SEWER SYSTEM CONNECTED TO A MUNICIPAL SEWER SYSTEM.

BENCH MARK LIST

BM 100 MAG NAIL W/WASHER STAMPED "YP CONTROL POINT" SET IN CONCRETE CURB IN THE NORTH AREA OF A CHURCH PARKING LOT, 79'± NORTHEAST OF THE SOUTHEAST CORNER OF A CHURCH BUILDING, AND 57'± NORTHWEST OF A STORM DRAIN MANHOLE.

ELEV: 545.57'

BM 101 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT SET IN CONCRETE IN A HATCHED PARKING AREA AT THE SOUTHEAST SIDE OF A CHURCH PARKING LOT, 82'± SOUTHWEST OF A STORM DRAIN MANHOLE, AND 83'± SOUTHWEST OF A LIGHT POLE.

ELEV: 539.96'

BM 102 MAG NAIL W/ WASHER STAMPED "YP CONTROL POINT" SET AT THE NORTHEAST CORNER OF A STORM DRAIN INLET, 94'± SOUTHEAST OF THE SOUTHEAST CORNER OF A STUCCO BUILDING, AND 57'± SOUTHEAST OF A FIRE HYDRANT.

ELEV: 537.84'

VEGETATIVE STABILIZATION REQUIREMENTS

TEMPORARY SEEDING

ALL DISTURBED AREAS WHICH WILL BE LEFT DORMANT FOR GREATER THAN 14 DAYS SHALL BE SEEDED WITH FAST- GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING OPERATIONS. SELECTION OF THE SEED WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED (SEE DESCRIPTIONS IN TABLE 2). REFERENCE LANDSCAPE PLAN FOR PERMANENT STABILIZATION REQUIREMENTS. ALL TEMPORARY SEEDING MATERIALS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO APPLICATION.

TABLE 2
VEGETATION TABLE*

TEMPORARY SEEDING

SPECIES	PLANTING RATE	PLANTING DATES
CRIMSON CLOVER	7#/ACRE	8/15 - 11/30
MILLET, FOXTAIL	30#/ACRE	5/1 - 8/31
RYEGRASS, ANNUAL	30#/ACRE	8/15 - 9/30
SPRANGLETOP, GREEN	2.5#/ACRE	2/1 - 5/1
TALL FESCUE	7#-10#/1000 SF	9/1 - 10/15

*USE ONLY USDA CERTIFIED SEED.

SURFACE PREPARATION FOR TEMPORARY SEEDING

1. INSTALL EROSION STRUCTURES SUCH AS DIKES, DIVERSIONS, ETC. PRIOR TO SEEDING.
2. FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR LINE BEFORE SEEDING.
3. ENSURE SEED BED IS PULVERIZED, LOOSE, AND UNIFORM.

APPLICATION

1. WHEN HYDROMULCHING IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES PRIOR TO APPLICATION.
2. APPLY SEED EVENLY USING PROPER EQUIPMENT AND WATER TO AID VEGETATION GROWTH.
3. EROSION CONTROL NETTING SHALL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT AGAINST EROSION. MULCH (STRAW OR FIBER) SHALL BE USED ON RELATIVELY FLAT SLOPES.

OWNER/DEVELOPER

LAKEPOINTE BAPTIST CHURCH
CONTACT: JOHN WARDELL
PHONE: 214-707-2732
EMAIL: JOHN.WARDELL@LAKEPOINTE.CHURCH

ENGINEER

CONTACT: MATTHEW A. LUCAS, P.E.
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No.	REVISIONS	DATE	BY
1	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

Kimley»Horn
13455 NOEL RD. TWO GALLERIA OFFICE TOWER
SUITE 700 DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
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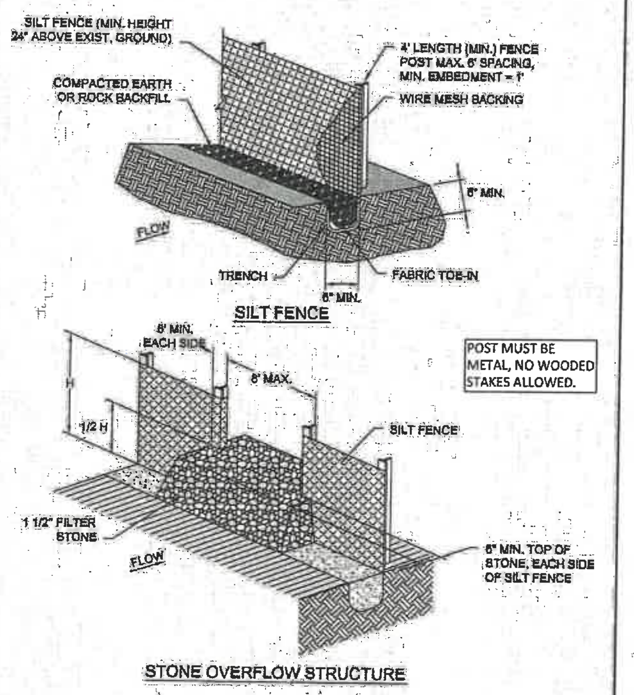
STATE OF TEXAS — MATTHEW A. LUCAS — 108727 — LICENSED PROFESSIONAL ENGINEER — 9-19-24

KHA PROJECT	06468805
DATE	09/19/2024
SCALE	AS SHOWN
DESIGNED BY	MJF
DRAWN BY	WV
CHECKED BY	MAL

ROCKWALL CAMPUS
RING ROAD PROJECT
PREPARED FOR
LAKEPOINTE CHURCH
ROCKWALL, TX

EROSION CONTROL PLAN

SHEET NUMBER
C-601



SILT FENCE	CITY OF ROCKWALL	202.5 *
		Mar. 2018 / R-1020A

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. *Public Works Construction Standards North Central Texas, Fifth Edition.*

SILT FENCE GENERAL NOTES:

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.

2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.

3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WIRE BACKING, WHICH IN TURN, IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.

5. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

6. SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.

7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

8. FILTER STONE SHALL BE WRAPPED IN FILTER FABRIC AND BURIED SIX (6") INCHES MINIMUM.

SILT FENCE	CITY OF ROCKWALL	202.5 *
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"RECORD DRAWINGS"
To the best of our knowledge Kimley-Horn and Associates, inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

DATE: 12/18/2025 BY: MATT LUCAS, P.E.

RELEASED FOR CONSTRUCTION
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.

CITY DATE

No.	REVISIONS	DATE	BY
△	ISSUE FOR CONSTRUCTION	09/19/2024	MAL

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STATE OF TEXAS — MATTHEW A. LUCAS — 108727 — PROFESSIONAL ENGINEER — 9-19-24

KHA PROJECT 064468005 | DATE 09/19/2024 | SCALE AS SHOWN | DESIGNED BY MJF | DRAWN BY WV | CHECKED BY MAL

ROCKWALL CAMPUS RING ROAD PROJECT
PREPARED FOR LAKEPOINTE CHURCH
ROCKWALL, TX

EROSION CONTROL DETAILS

SHEET NUMBER C-602