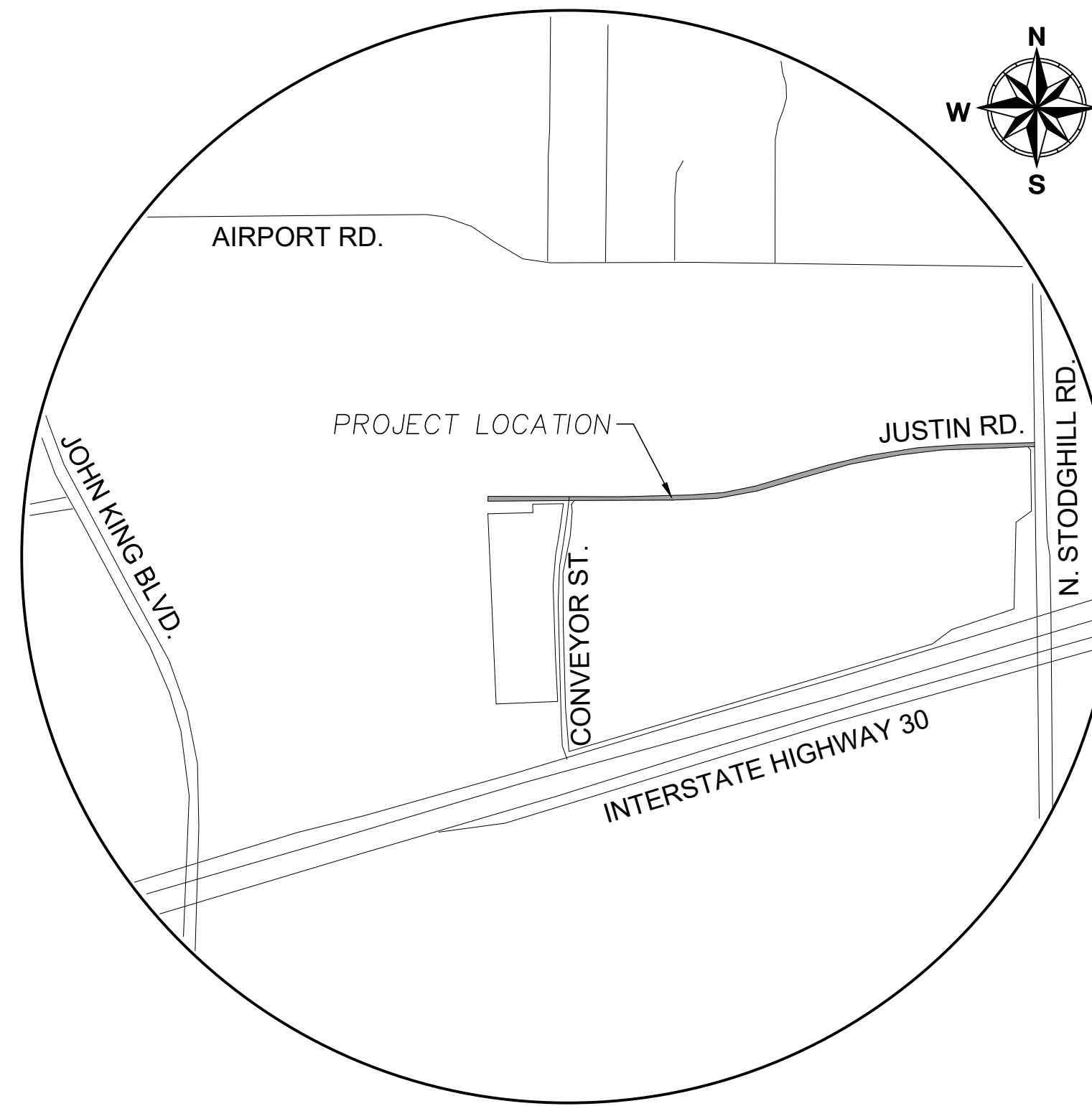


CIVIL CONSTRUCTION PLANS PAVING & DRAINAGE TO SERVE JUSTIN ROAD EXTENSION CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS CITY PROJECT NO. E2024-033

PLAN SUBMITTAL/REVIEW LOG

1ST SUBMITTAL TO CITY 09/11/2024
 2ND SUBMITTAL TO CITY 11/18/2024
 3RD SUBMITTAL TO CITY 12/17/2024
 ISSUE FOR CONSTRUCTION 02/25/2025



VICINITY MAP
NOT TO SCALE
April 2026

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AS-BUILT

THIS RECORD DRAWING IS COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWING FOR THIS PROJECT; MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWING ARE ON FILE AT THE OFFICES OF WINKELMANN AND ASSOCIATES, INC.

Paul Winkelmann 04-14-2026
 WINKELMANN AND ASSOCIATES, INC. DATE

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Paul Winkelmann

02-25-2025
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

C-00.00

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 met. 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 stabilization of all soil stockpiles on-site as well as borrow areas and soil intentionally transported from the project site.
14. Where construction vehicles access routes intersect paved or public roads/alleys, construction entrances shall be installed to minimize the transport of sediment by vehicular tracking onto paved surfaces. Where sediment is transferred onto paved or public surfaces, 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.
8. 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.
9. All underground lines shall be installed, inspected, and approved prior to backfilling.
10. 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 larger 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 (20th) 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. ConShield 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.



GENERAL CONSTRUCTION NOTES
Sheet 1 of 2
October 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

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

Winkelmann & Associates, Inc. CONSULTING CIVIL ENGINEERS & SURVEYORS
6720 HILGREET PLAZA, SUITE 215 (972) 460-7090
10000 Rockwall Registration No. 89 (972) 460-7090 FAX
Texas Surveyors Registration No. 107866-00
Contractor # 102378, Measurement & Associates, Inc.
CITY GENERAL NOTES (1)
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX
C-01.00
REVISION DATE
No.
1.
2.
3.
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APPROVE
LAST SAVED BY: COLUJOSA, April 14, 2020
©: \s34\08\ENGINEERING\Construction Plans\JUSTIN.VB-3406--GEN.dwg JUSTIN ROAD EXTENSION 6:30:06

DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION NOTES

- All pavements to be removed and replaced shall be saw cut to full depth along neat squared lines shown in the plans.
- Proposed concrete pavement shall be constructed with longitudinal butt construction joints at all connections to existing concrete pavement.
- 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.
- 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

- 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.
- 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"

- 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.
- No sand shall be allowed under any paving.
- All concrete mix design shall be submitted to the City for review and approval prior to placement.
- Fly ash may be used in concrete pavement locations provided that the maximum cement reduction does not exceed 20% by weight per C.Y. of concrete. The fly ash replacement shall be 1.25 lbs. per 1.0 lb. cement reduction.
- All curb and gutter shall be integral (monolithic) with the pavement.
- All fill shall be compacted by sheep's foot roller to a minimum 95% standard proctor. Maximum loose lift for compaction shall be 8 inches. All lifts shall be tested for density by an independent laboratory. 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.
- All concrete compression tests and soil compaction/density tests are required to be submitted to the City's Engineering Inspector immediately upon results.
- 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).
- All public sidewalks shall be doweled into pavement where it abuts curbs and driveways. Expansion joint material shall be used at these locations.
- 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)
- 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.
- All residential lots will require individual grading plans submitted during the building permit process that correspond with the engineered grading and drainage area plans.
- 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.
- All cut or fill slopes of non-paved areas shall be a maximum of 4:1 and minimum of 1%.
- CONTRACTOR agrees to repair any damage to property and the public right-of-way in accordance with the City Standards of Design and Construction.
- CONTRACTOR shall protect all monuments, iron pins/rods, and property corners during construction.
- 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

- The CONTRACTOR shall maintain drainage at all times during construction. Ponding of water in streets, drives, trenches, etc. will not be allowed. Existing drainage ways shall not be blocked or removed unless explicitly stated in the plans or written approval is given by the City.
- All structural concrete shall be 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.
- 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.
- All public storm pipe shall be a minimum of 18-inch reinforced concrete pipe (RCP), Class III, unless otherwise noted.
- All storm pipe entering structures shall be grouted to assure connection at the structure is watertight.
- All storm structures shall have a smooth uniform poured mortar invert from invert in to invert out.
- All storm sewer manholes in paved areas shall be flush with the paving grade, and shall have traffic bearing ring and covers.
- 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

- All retaining walls, regardless of height, will be reviewed and approved by the City Engineering Department
- 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.
- 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.
- 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.
- 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 DRAWINGS/AS-BUILTS

- 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.
- 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.
- 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.
- 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.
- 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.
- 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."



GENERAL CONSTRUCTION NOTES
Sheet 2 of 2
October 2020

**CITY OF ROCKWALL
ENGINEERING DEPARTMENT**

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CITY GENERAL NOTES (2)
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ROCKWALL, TX

C-01.01

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6720 HILGREET PLAZA DRIVE, SUITE 215 (972) 460-7090
10000 W. PARKWAY, SUITE 100 (972) 460-7090
Texas Engineers Registration No. 89-107866-00
Contractor's License: Measurement & Inspection, Inc.

Professional Engineer Seal for William R. Winkelmann, No. 120378, State of Texas, dated 02-25-2025.

No.	DATE	REVISION	APPROVAL
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GENERAL PAVING NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. WHERE CITY DETAILS ARE UNAVAILABLE OR UNCLEAR, NCTCOG SPECIFICATIONS SHALL APPLY, AND TxDOT SPECIFICATIONS SHALL TAKE PRECEDENCE IN TxDOT RIGHT-OF-WAY(S).
2. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN, AT LEAST 48 HOURS PRIOR TO ANY WORK IN A CITY STREET. TRAFFIC CONTROL MEASURES SHALL CONFORM TO PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CITY WORK ZONE TRAFFIC CONTROL MANUAL. TRAFFIC CONTROL MEASURES SHALL BE INSTALLED FOR ANY WORK ACTIVITY THAT TAKES PLACE ON OR ADJACENT TO ANY CITY STREET OR ROADWAY. THE CITY ENGINEER MAY REQUIRE THE TRAFFIC CONTROL PLAN TO BE DESIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF TEXAS.
3. CONTACT TRAFFIC ENGINEERING DIVISION AT LEAST 48 HOURS PRIOR TO WORK REQUIRING THE REMOVAL OR RELOCATION OF TRAFFIC SIGNS, TRAFFIC CONTROL EQUIPMENT OR OTHER TRAFFIC CONTROL APPURTENANCES.
4. CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION. 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.
5. CONTRACTOR SHALL FURNISH ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISC. STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. SEE ARCH. PLANS FOR PARKING LOT STRIPING DETAILS ADJACENT TO BUILDING.
6. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS INDICATED OTHERWISE.
7. ALL CURB RADII ON FIRELANES ARE AS NOTED.
8. THE CONTRACTOR SHALL SUBMIT A JOINT LAYOUT PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF PAVEMENT CONSTRUCTION.
9. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
10. MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS IS 1.5 FEET.
11. ALL JOINTS, INCLUDING EXPANSION JOINTS WITH REMOVABLE TACK STRIPS, SHALL BE SEALED WITH JOINT SEALANT.
12. TRANSVERSE JOINTS MAY BE SKEWED OR ADJUSTED BY SHIFTING TO MEET MANHOLES, INLETS, OTHER STRUCTURES, ETC.
13. ALL REINFORCING STEEL, SHALL BE NEW DOMESTIC BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60, AND SHALL BE SUPPORTED BY BAR CHAIRS.
14. SEE ARCHITECTURAL PLANS FOR PAVEMENT WITHIN GARDEN AREA, MISCELLANEOUS REINFORCED CONCRETE SIDEWALK ADJACENT TO BUILDING, TRUCK DOCK RETAINING WALLS, PATTERNED CONCRETE WARNING STRIP ADJACENT TO BUILDING, AND EXACT LOCATION OF PYLON SIGN.
15. SEE IRRIGATION PLAN FOR LOCATION OF PROPOSED SLEEVING.

SITE GRADING GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARDS, SPECIFICATIONS, AND DETAILS. WHERE CITY DETAILS ARE UNAVAILABLE OR UNCLEAR, NCTCOG SPECIFICATIONS SHALL APPLY, AND TxDOT SPECIFICATIONS SHALL TAKE PRECEDENCE IN TxDOT RIGHT-OF-WAY(S).
2. VEGETATION, DEBRIS, AND TOPSOIL CONTAINING ORGANIC MATERIALS SHOULD BE CLEARED AND GRUBBED FROM THE ENTIRE SITE (APPROX. DEPTH OF 8 INCHES) AT THE BEGINNING OF EARTHWORK.
3. REFERENCE CIVIL SPECIFICATIONS AND PLAN SHEETS FOR PAVEMENT SUBGRADE PREPARATION REQUIREMENTS. REFERENCE ARCHITECTURAL SPECIFICATIONS FOR BUILDING PAD PREPARATION.
4. PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREAS REFLECT TOP OF PAVEMENT SURFACE OR TOP OF CURB AT CURB LINE. THE LIMITS OF EARTHWORK IN PAVED AREAS IS THE BOTTOM OF PAVEMENT. PROPOSED CONTOURS SHOWN OUTSIDE PAVED AREAS ARE THE EXACT LIMITS OF GRADING.
5. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF EARTHWORK AND SHALL NOTIFY THE ARCHITECT 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.
6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHOD APPROVED BY THE 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.
7. ROUGH GRADING UNDER PROPOSED PAVING AND ALL GENERAL SITE ROUGH GRADING SHALL BE BROUGHT TO WITHIN +/- 0.1 FOOT. ROUGH GRADING ELEVATIONS IN PAVED AREAS ARE TO BOTTOM OF PAVEMENT. SEE LANDSCAPE PLANS FOR ADDITIONAL GRADING ELEVATIONS IN LANDSCAPED AREAS.
8. FOR ALL WORK WITHIN STATE OR CITY RIGHT OF WAY, THE CONTRACTOR SHALL:
 - A. NOTIFY THE TxDOT OR CITY A MINIMUM OF 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION AND HAVE ALL NECESSARY PERMITS.
 - B. NOT STORE MATERIAL, EXCESS DIRT OR EQUIPMENT ON THE SHOULDERS OF PAVEMENT OR IN MEDIAN STRIPS. THE PAVEMENT SHALL BE KEPT CLEAN, FREE OF ANY MUD OR EXCAVATION WASTE FROM TRUCKS OR OTHER EQUIPMENT. ON COMPLETION OF THE WORK, ALL DEBRIS AND EXCESS MATERIAL SHALL BE REMOVED FROM THE RIGHT OF WAY.
 - C. PROVIDE ALL NECESSARY AND ADEQUATE SAFETY PRECAUTIONS SUCH AS SIGNS, FLAGMEN, LIGHTS, AND BARRICADES AS REQUIRED BY THE CITY AND IN ACCORDANCE WITH THE TEXAS MUTCD. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HOLD HARMLESS THE STATE OF TEXAS, THE CITY, AND THE OWNER FROM ANY CLAIMS FOR DAMAGE DONE TO EXISTING PRIVATE PROPERTY, PUBLIC UTILITIES, OR TO THE TRAVELING PUBLIC.
 - D. POST NECESSARY BONDS AS REQUIRED BY THE CITY AND/OR THE STATE.
9. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS APPROVED BY THE ARCHITECT, ENGINEER, AND THE OWNER, AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY EXISTING STRUCTURES, FENCES, DEBRIS, OR TREES ON SITE, AND SHALL COORDINATE ALL REMOVAL WITH THE GENERAL CONTRACTOR. NO TREES OR OTHER ITEMS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ARCHITECT, ENGINEER, AND OWNER. ALL TREES NOT REMOVED SHALL BE GUARDED AND PRESERVED DURING CONSTRUCTION. IF DAMAGED, THE EXISTING TREE WILL BE REPLACED (EQUAL CALIPER) AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR SHALL ESTABLISH VEGETATION ON ALL DISTURBED AREAS OF THE SITE. SUPPLY OF WATER AS NEEDED FOR VEGETATION GROWTH SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. 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.
13. 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 PROTECT AND PRESERVE CONTROL POINTS AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE GRADING CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
14. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES.

WATER AND SANITARY SEWER GENERAL NOTES

1. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL ADHERE TO CITY STANDARD DETAILS AND SPECIFICATIONS AND THE NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ALL MATERIALS SHALL BE U.L. LISTED AND FACTORY MUTUAL APPROVED UNLESS DIRECTED OTHERWISE BY THE ARCHITECT, ENGINEER, OR THE CITY.
2. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY IF A CONFLICT IS DISCOVERED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN, COORDINATING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING AND/OR CROSSING OTHER UTILITIES.
4. ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING, EXCEPT THE FIRE SPRINKLER LINE SHALL BE PLUGGED INSIDE OF THE BUILDING, AND UNLESS NOTED OTHERWISE, THE END OF THESE SERVICES SHALL BE TIGHTLY PLUGGED OR CAPPED AND MARKED UNTIL THE CONNECTION IS MADE TO THE BUILDING PIPING.
5. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PIPE, STRUCTURES, AND FITTING INSPECTED BY THE CITY WATER DEPARTMENT AND/OR CODE ENFORCEMENT INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS.
6. ALL WATER MAINS LESS THAN 12" DIAMETER ARE TO BE AS SHOWN ON THE DRAWINGS. WATER MAINS SHALL HAVE A MIN. COVER OF 48 INCHES FROM FINISHED GRADE TO TOP OF PIPE AND SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH CITY STANDARD DETAILS. ALL FIRE HYDRANTS, BENDS AND PIPE ENDS SHALL BE BLOCKED WITH CONCRETE PER CITY STANDARD DETAILS. WATER MAINS 12"-18" SHALL HAVE 5' OF COVER.
7. ALL WATER SERVICES 3 INCHES AND SMALLER SHALL BE TYPE 'K' COPPER.
8. ALL FIRE HYDRANTS SHALL BE PRIMED, MUST BE FACTORY APPLIED PRIOR TO SHIPPING AND PAINTED WITH A MACHINE IMPLEMENT GRADE ENAMEL PAINT AT JOB SITE. THE HYDRANT BODY AND BONNET SHALL BE PAINTED IN ACCORDANCE CITY STANDARDS.
9. ALL APPURTENANCES USED FOR FIRE PROTECTION SHALL CONFORM TO THE CURRENT CITY FIRE DEPARTMENT STANDARDS AND SPECIFICATIONS.
10. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR.
11. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE SDR 26 PVC (ASTM 3034). SANITARY SEWER LINES SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH CITY STANDARD DETAILS.
12. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A TRENCH EXCAVATION PROTECTION PLAN PREPARED, SIGNED, AND SEALED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR ALL CONSTRUCTION IN EXCAVATIONS DEEPER THAN 5 FEET, PRIOR TO START OF CONSTRUCTION. SAID SAFETY PLAN SHALL CONFORM TO ALL APPLICABLE FEDERAL AND STATE LAWS REGARDING EXCAVATING AND TRENCHING OPERATIONS.
13. THE CITY WILL INSPECT ALL CONSTRUCTION. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
14. FIRE HYDRANTS & WATER METERS TO BE PROTECTED BY EITHER 6" CURB OR BOLLARDS THAT HAS 5' CLEARANCE FROM THE FIRE HYDRANT.

NOTES:

1. THE GENERAL NOTES APPLY TO ALL SHEETS.
2. CITY DETAILS TAKE PRECEDENCE IN CITY RIGHT OF WAY AND EASEMENTS.

AS-BUILT

THIS RECORD DRAWING IS COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWING FOR THIS PROJECT; MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWING ARE ON FILE AT THE OFFICES OF WINKELMANN AND ASSOCIATES, INC.

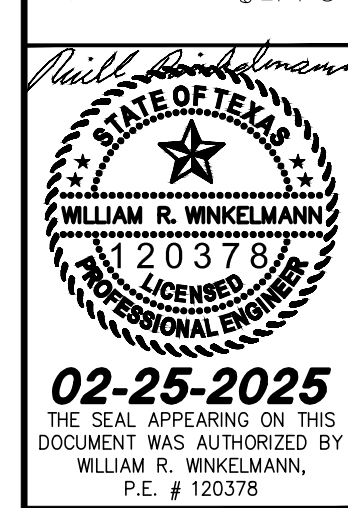
Will Winkelmann 04-14-2026
 WINKELMANN AND ASSOCIATES, INC. DATE

GENERAL NOTES

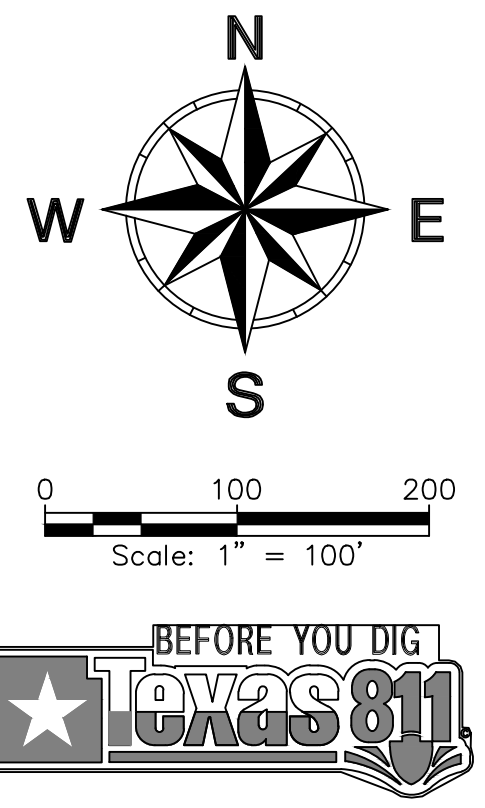
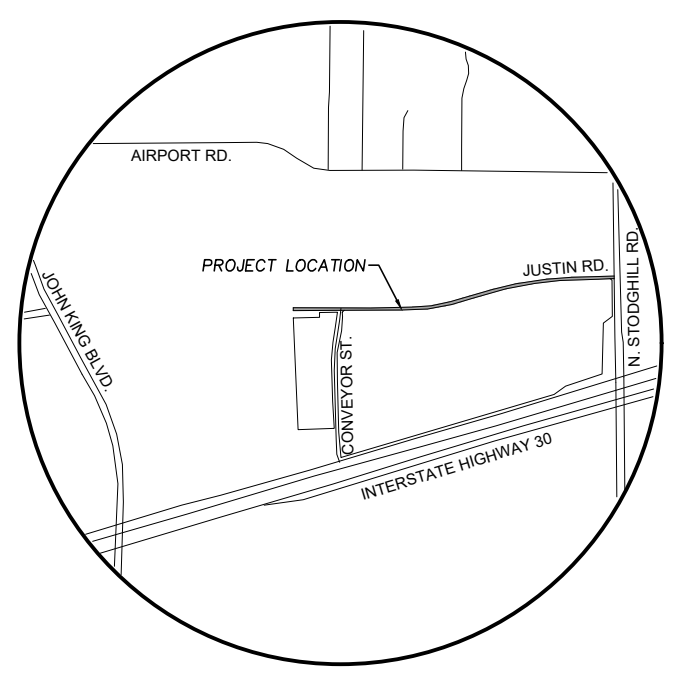
I-30 FRONTAGE RD & FM 3549
 ROCKWALL, TX

C-01.02

Winkelmann & Associates, Inc.
 CONSULTING CIVIL ENGINEERS ■ SURVEYORS
 6750 HILGREET PLAZA DR., SUITE 215 (972) 460-7099
 11000 W. CAMPBELL ROAD, SUITE 100 (972) 460-7099 FAX
 Dallas, Texas License Registration No. 89-107866-00
 Construction License Registration No. 107866-00
 Construction License Registration No. 107866-00



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*****NOTICES TO CONTRACTOR*****

EXISTING UNDERGROUND/BURIED PUBLIC, PRIVATE, AND FRANCHISE UTILITIES/FACILITIES AFFECT THIS SITE, AND ARE DEPICTED ON THE PLANS PER THE BEST AVAILABLE INFORMATION AT THE TIME THE PLANS WERE PRODUCED. WINKELMANN & ASSOC., INC. SHALL NOT BE RESPONSIBLE FOR KNOWING THE EXACT LOCATION OF ALL FACILITIES OR DEPICTING EXACT LOCATIONS OF SAID FACILITIES ON THE PLANS BEYOND WHAT IS STATED ABOVE.

CONTRACTOR(S) SHALL CALL "811" A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK ON THE SITE, AND SHALL NOT BEGIN ANY EXCAVATION OR DEMOLITION ACTIVITIES UNTIL AFTER SAID FACILITIES HAVE BEEN MARKED AND/OR FLAGGED PER "811" OR THE FACILITY OWNERS.

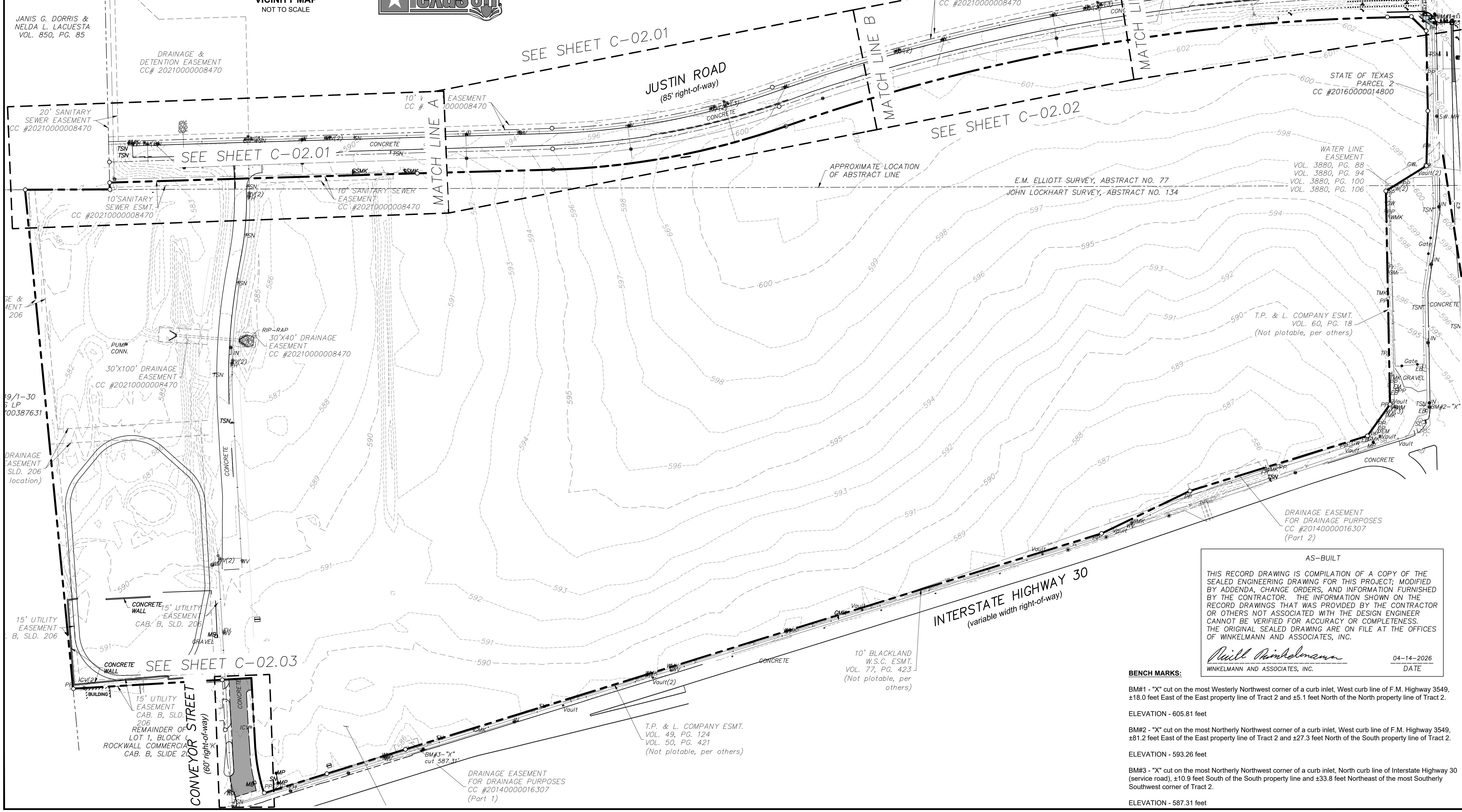
CONTRACTOR(S) SHALL BE WHOLLY RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO SAID FACILITIES DUE TO WORK BEING DONE WITHOUT FOLLOWING THE PROCEDURES ABOVE.

ABBREVIATION LEGEND

PP	Power Pole	IRF	Iron Rod Found
GW	Guy Wire	IRS	Iron Rod Set
MH	Manhole	GIRS	Iron Rod Set w/ cap "WAI"
WV	Water Valve	GIRF	Iron Rod Found w/ cap
TP	Telephone Pedestal	XCS	"X" Cut in Concrete Set
WM	Water Meter	XCF	"X" Cut in Concrete Found
FH	Fire Hydrant	PKS	PK Nail Set
LP	Light Pole	PKF	PK Nail Found
IV	Irrigation Valve	TSN	Sanitary Sewer
CO	Clean Out	SW	Storm Sewer
AC	Air Conditioner	TF	Transformer pad
TV	Cable Box	GM	Gas Meter
SB	Signal Box	GMK	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UGC	Underground Cable Marker
CM	Control Monument	EB	Electric Box
		EM	Electric Meter

NOTES:

1. 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.



AS-BUILT

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William R. Winkelmann
WINKELMANN AND ASSOCIATES, INC. 04-14-2026
DATE

- BENCH MARKS:**
- BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet. West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.
ELEVATION - 605.81 feet
 - BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet. West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.
ELEVATION - 593.26 feet
 - BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet. North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.
ELEVATION - 587.31 feet

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Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILGREET PLAZA DRIVE, SUITE 215 (972) 492-7099
17000 Elm Street, Suite 100 (972) 492-7099
Texas Surveyors Registration No. 89 (100866-00)
Contractor's License, Measurement & Association, Inc.

WILLIAM R. WINKELMANN
120378
PROFESSIONAL ENGINEER
STATE OF TEXAS

02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

EX. CONDITIONS & DEMOLITION PLAN KEYMAP
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-02.00

JUSTIN ROAD EXTENSION

BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.
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BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.
ELEVATION - 593.26 feet

BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.
ELEVATION - 587.31 feet

DEMOLITION GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIAL IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES INCLUDING, BUT NOT LIMITED TO, STRUCTURES, FOUNDATIONS, CONCRETE, ASPHALT, STEEL, UTILITIES, DRAINAGE STRUCTURES, ETC.
2. CONTRACTOR TO DEMOLISH THE SITE SUCH THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS CAN BE CONSTRUCTED.
3. ALL UNSUITABLE MATERIAL THAT WOULD CONFLICT WITH THE PROPER CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REMOVED.
4. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM ALL GOVERNING AGENCIES PRIOR TO THE START OF SITE DEMOLITION.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL EXISTING UTILITY SERVICES ARE DISCONNECTED OR PROTECTED PRIOR TO THE START OF DEMOLITION OF THE SITE.
6. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
7. THE EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN LOCATED BASED ON THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
8. PRIOR TO THE START OF ANY SITE DEMOLITION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND THE CITY FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
9. ALL UTILITIES THAT ARE REQUIRED TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY OR CITY PRIOR TO THE START OF DEMOLITION.
10. SITE DEMOLITION SHALL NOT CONFLICT WITH ACCESS TO ADJACENT SITES OR TRAFFIC AND PEDESTRIAN FLOW IN ADJACENT PUBLIC R.O.W.'S.
11. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITY.
12. ANY IMPROVEMENTS, STRUCTURES, PAVEMENTS UTILITIES OR PROPERTY, EITHER ON-SITE OR OFF-SITE, THAT BECOMES DAMAGED DURING SITE DEMOLITION SHALL BE REPLACED BACK TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
13. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
14. REFER TO MEP PLANS FOR DRY UTILITIES DEMOLITION.
15. OWNER IS RESPONSIBLE FOR ASBESTOS ABATEMENT OF EXISTING STRUCTURES. OWNER TO DO ABATEMENT PRIOR TO THE DEMOLITION OF EXISTING STRUCTURES. SITE CONTRACTOR TO CONFIRM ABATEMENT COMPLETION PRIOR TO DEMOLISHING ANY STRUCTURES.

NOTES:

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2. REFER TO PAVING AND UTILITY PLANS FOR FINISHED GRADE FOR MANHOLES.
3. DRIVEWAYS MUST REMAIN OPEN ON CONVEYOR.

*****NOTICES TO CONTRACTOR*****

EXISTING UNDERGROUND/BURIED PUBLIC, PRIVATE, AND FRANCHISE UTILITIES/FACILITIES AFFECT THIS SITE, AND ARE DEPICTED ON THE PLANS PER THE BEST AVAILABLE INFORMATION AT THE TIME THE PLANS WERE PRODUCED. WINKELMANN & ASSOC., INC. SHALL NOT BE RESPONSIBLE FOR KNOWING THE EXACT LOCATION OF ALL FACILITIES OR DEPICTING EXACT LOCATIONS OF SAID FACILITIES ON THE PLANS BEYOND WHAT IS STATED ABOVE.

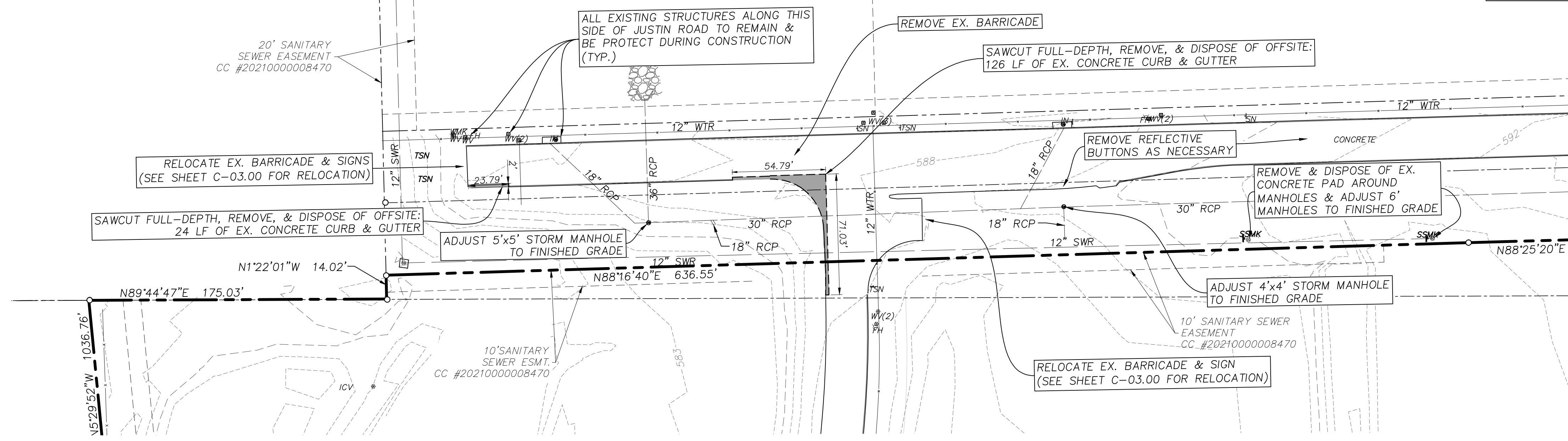
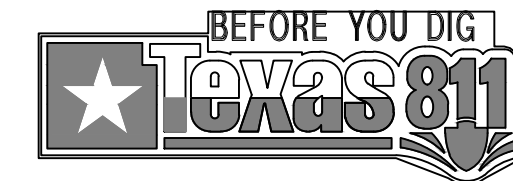
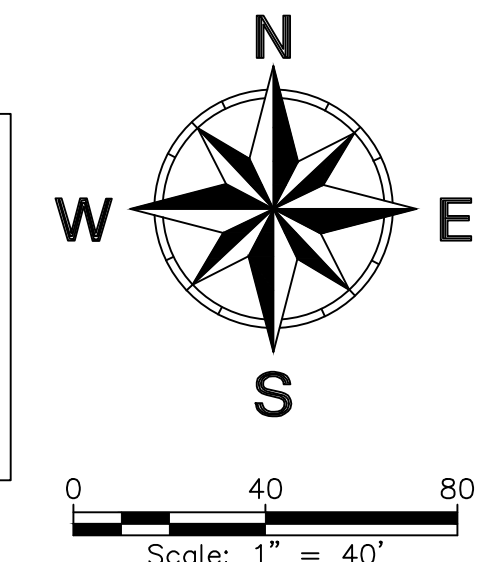
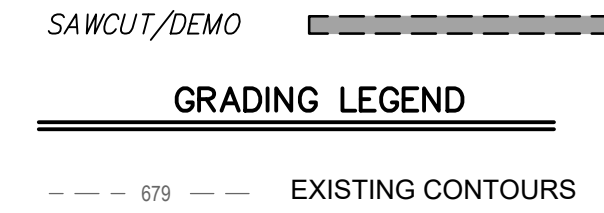
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CONTRACTOR(S) SHALL BE WHOLLY RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO SAID FACILITIES DUE TO WORK BEING DONE WITHOUT FOLLOWING THE PROCEDURES ABOVE.

ABBREVIATION LEGEND

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AC	Air Conditioner	TF	Transformer pad
TV	Cable Box	GM	Gas Meter
SB	Signal Box	GMK	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UGC	Underground Cable Marker
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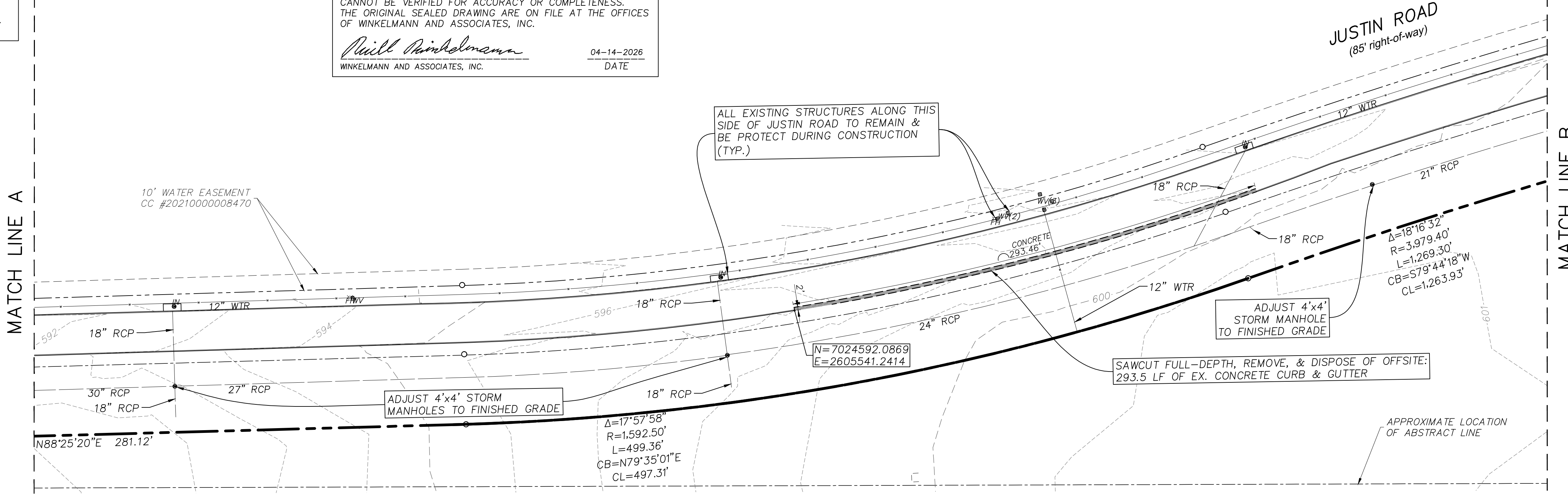
LEGEND



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William R. Winkelmann
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CONSULTING CIVIL ENGINEERS • SURVEYORS
6750 HILGREET PLAZA DRIVE, SUITE 215
ROCKWALL, TEXAS 75087
(972) 460-7099
FAX (972) 460-7098
Texas Surveyors Registration No. 89
Professional Engineering Registration No. 107866-00
Contractor # 2424, Measurement & Inspection, Inc.

STATE OF TEXAS
WILLIAM R. WINKELMANN
120378
PROFESSIONAL ENGINEER
02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

EX. CONDITIONS & DEMOLITION PLAN (1)
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-02.01

BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.

ELEVATION - 605.81 feet

BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.

ELEVATION - 593.26 feet

BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.

ELEVATION - 587.31 feet

DEMOLITION GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIAL IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES INCLUDING, BUT NOT LIMITED TO, STRUCTURES, FOUNDATIONS, CONCRETE, ASPHALT, STEEL, UTILITIES, DRAINAGE STRUCTURES, ETC.
2. CONTRACTOR TO DEMOLISH THE SITE SUCH THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS CAN BE CONSTRUCTED.
3. ALL UNSUITABLE MATERIAL THAT WOULD CONFLICT WITH THE PROPER CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REMOVED.
4. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM ALL GOVERNING AGENCIES PRIOR TO THE START OF SITE DEMOLITION.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL EXISTING UTILITY SERVICES ARE DISCONNECTED OR PROTECTED PRIOR TO THE START OF DEMOLITION OF THE SITE.
6. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
7. THE EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN LOCATED BASED ON THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
8. PRIOR TO THE START OF ANY SITE DEMOLITION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND THE CITY FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
9. ALL UTILITIES THAT ARE REQUIRED TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY OR CITY PRIOR TO THE START OF DEMOLITION.
10. SITE DEMOLITION SHALL NOT CONFLICT WITH ACCESS TO ADJACENT SITES OR TRAFFIC AND PEDESTRIAN FLOW IN ADJACENT PUBLIC R.O.W.'S.
11. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITY.
12. ANY IMPROVEMENTS, STRUCTURES, PAVEMENTS UTILITIES OR PROPERTY, EITHER ON-SITE OR OFF-SITE, THAT BECOMES DAMAGED DURING SITE DEMOLITION SHALL BE REPLACED BACK TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
13. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
14. REFER TO MEP PLANS FOR DRY UTILITIES DEMOLITION.
15. OWNER IS RESPONSIBLE FOR ASBESTOS ABATEMENT OF EXISTING STRUCTURES. OWNER TO DO ABATEMENT PRIOR TO THE DEMOLITION OF EXISTING STRUCTURES. SITE CONTRACTOR TO CONFIRM ABATEMENT COMPLETION PRIOR TO DEMOLISHING ANY STRUCTURES.

NOTES:

1. 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.
2. REFER TO PAVING AND UTILITY PLANS FOR FINISHED GRADE FOR MANHOLES.

*****NOTICES TO CONTRACTOR*****

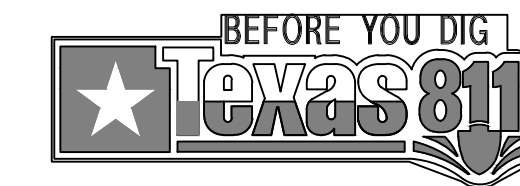
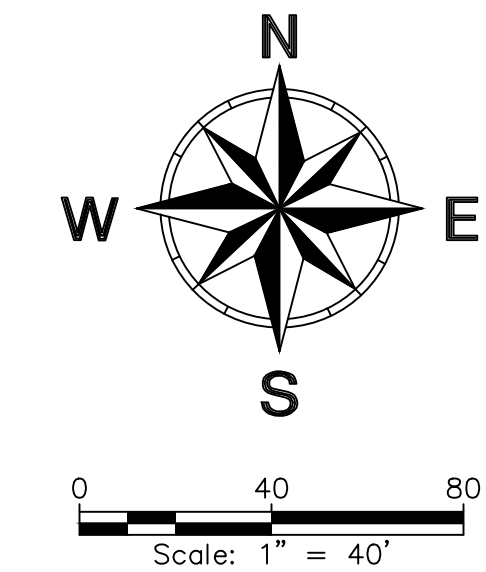
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CONTRACTOR(S) SHALL CALL "811" A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK ON THE SITE, AND SHALL NOT BEGIN ANY EXCAVATION OR DEMOLITION ACTIVITIES UNTIL AFTER SAID FACILITIES HAVE BEEN MARKED AND/OR FLAGGED PER "811" OR THE FACILITY OWNERS.

CONTRACTOR(S) SHALL BE WHOLLY RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO SAID FACILITIES DUE TO WORK BEING DONE WITHOUT FOLLOWING THE PROCEDURES ABOVE.

ABBREVIATION LEGEND

PP	Power Pole	JRF	Iron Rod Found
GW	Guy Wire	JRS	Iron Rod Set
MH	Manhole	CIRS	Iron Rod Set w/ cap "WAI"
WV	Water Valve	CIRF	Iron Rod Found w/ cap
TP	Telephone Pedestal	XCS	"X" Cut in Concrete Set
WM	Water Meter	XCP	"X" Cut in Concrete Found
FH	Fire Hydrant	PKS	PK Nail Set
LP	Light Pole	PKF	PK Nail Found
IV	Irrigation Valve	SS	Sanitary sewer
CO	Clean Out	SW	Storm Sewer
AC	Air Conditioner	TF	Transformer pad
TV	Cable Box	GM	Gas Meter
SB	Signal Box	GMK	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UGC	Underground Cable Marker
CM	Control Monument	EB	Electric Box
		EM	Electric Meter



LEGEND

SAWCUT/DEMO [Symbol]

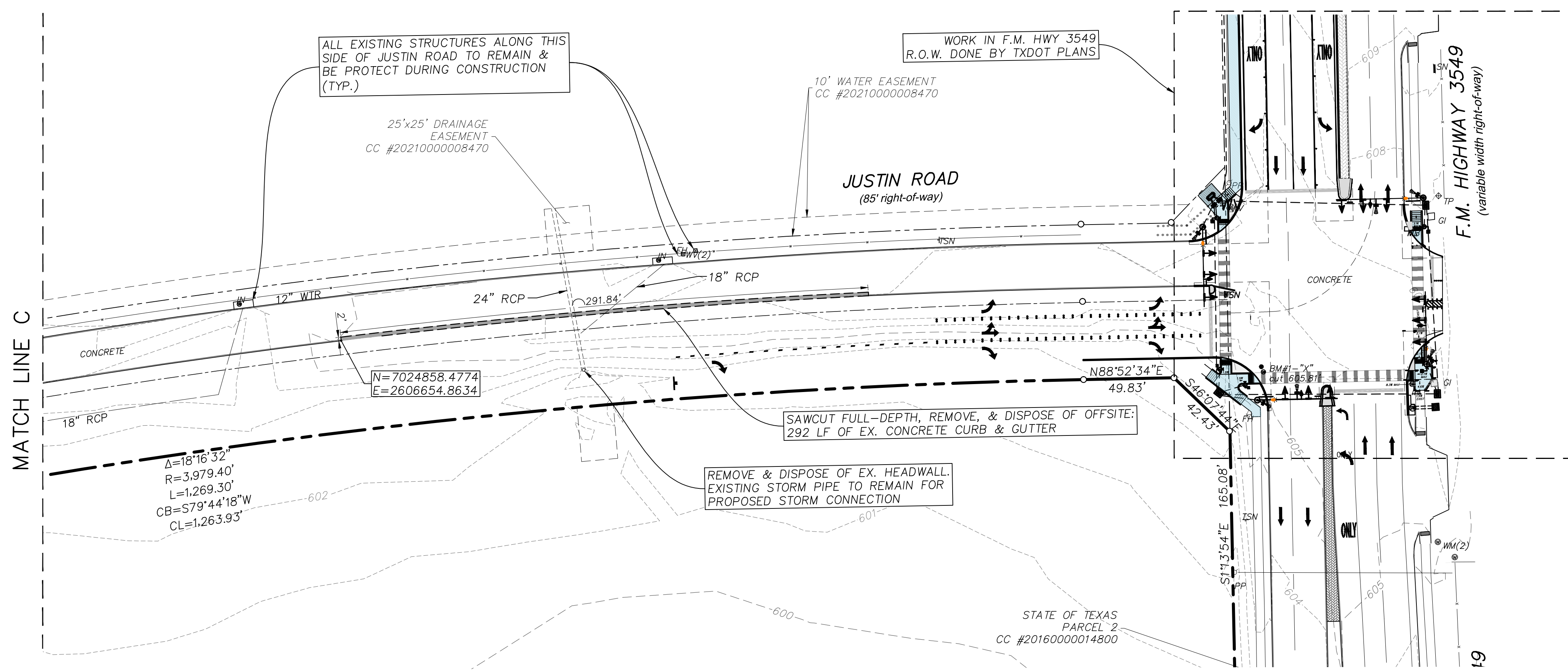
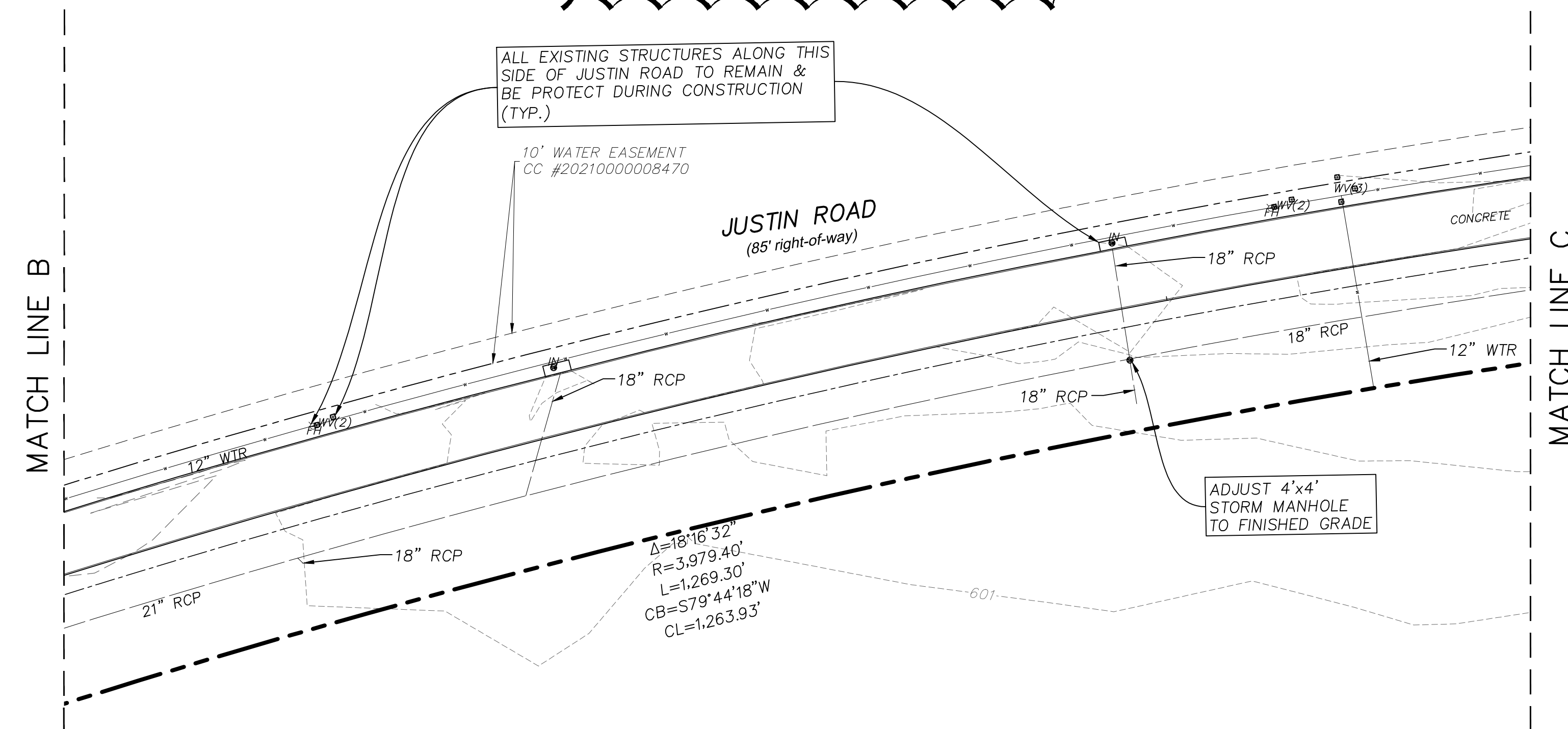
GRADING LEGEND

[Symbol] 679 [Symbol] EXISTING CONTOURS

AS-BUILT

THIS RECORD DRAWING IS COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWING FOR THIS PROJECT; MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWING ARE ON FILE AT THE OFFICES OF WINKELMANN AND ASSOCIATES, INC.

William R. Winkelmann
WINKELMANN AND ASSOCIATES, INC. 04-14-2026
DATE



No.	DATE	REVISION	APPROVAL
5.			
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Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SUBPOISED
6750 HILGREET PLAZA, SUITE 215 (972) 490-7090
10000 Rockwall Road, Rockwall, TX 75087 (972) 490-7099 FAX
Texas Professional Registration No. 89 100866-00
Contractor's License No. 100866-00
Winkelmann & Associates, Inc.

02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

EX. CONDITIONS & DEMOLITION PLAN (2)
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-02.02

BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.

ELEVATION - 605.81 feet

BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.

ELEVATION - 593.26 feet

BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.

ELEVATION - 587.31 feet

DEMOLITION GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIAL IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES INCLUDING, BUT NOT LIMITED TO, STRUCTURES, FOUNDATIONS, CONCRETE, ASPHALT, STEEL, UTILITIES, DRAINAGE STRUCTURES, ETC.
2. CONTRACTOR TO DEMOLISH THE SITE SUCH THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS CAN BE CONSTRUCTED.
3. ALL UNSUITABLE MATERIAL THAT WOULD CONFLICT WITH THE PROPER CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REMOVED.
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2. REFER TO PAVING AND UTILITY PLANS FOR FINISHED GRADE FOR MANHOLES.
3. DRIVEWAYS MUST REMAIN OPEN ON CONVEYOR.

*****NOTICES TO CONTRACTOR*****

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ABBREVIATION LEGEND

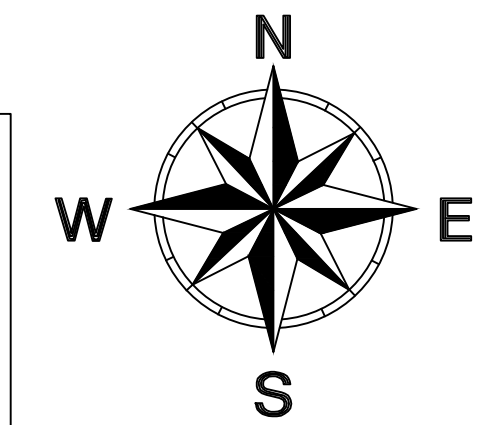
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AC	Air Conditioner	TF	Transformer pad
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SB	Signal Box	GKM	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UGC	Underground Cable Marker
CM	Control Monument	EB	Electric Box
		EM	Electric Meter

LEGEND

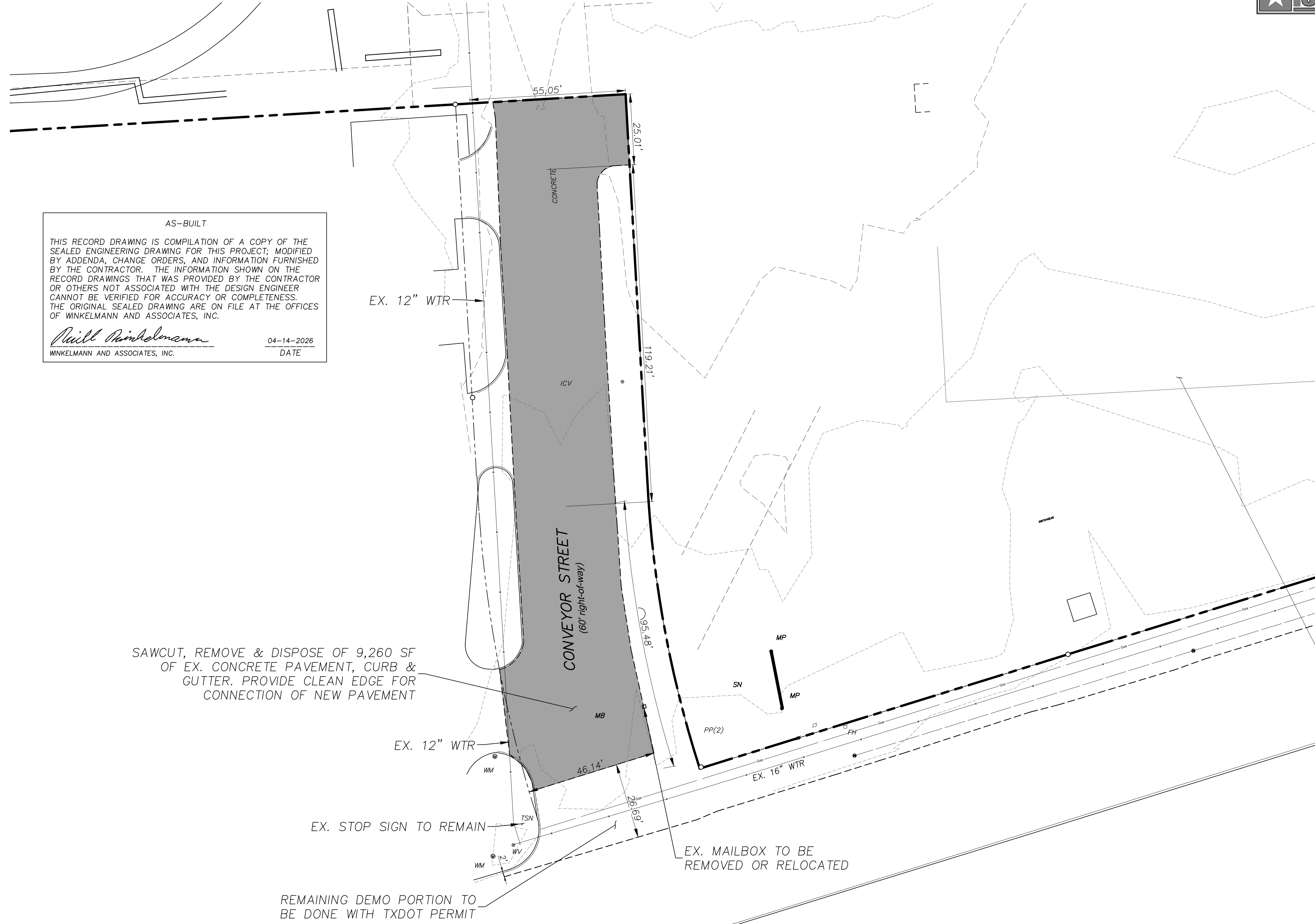
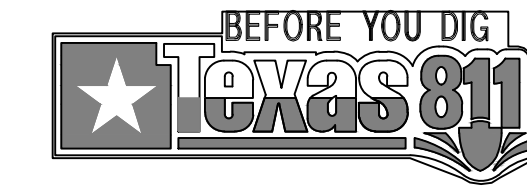
SAWCUT/DEMO

GRADING LEGEND

--- 679 --- EXISTING CONTOURS



Scale: 1" = 20'



AS-BUILT

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William R. Winkelmann 04-14-2026
WINKELMANN AND ASSOCIATES, INC. DATE

SAWCUT, REMOVE & DISPOSE OF 9,260 SF OF EX. CONCRETE PAVEMENT, CURB & GUTTER. PROVIDE CLEAN EDGE FOR CONNECTION OF NEW PAVEMENT

REMAINING DEMO PORTION TO BE DONE WITH TXDOT PERMIT

No.	DATE	REVISION	APPROVAL
5.			
4.			
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1.			

Winkelmann & Associates, Inc.

CONSULTING CIVIL ENGINEERS • SURVEYORS

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STATE OF TEXAS

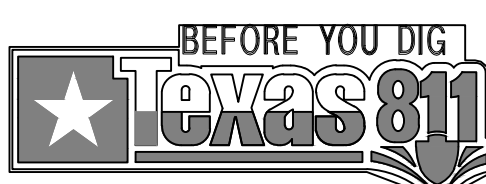
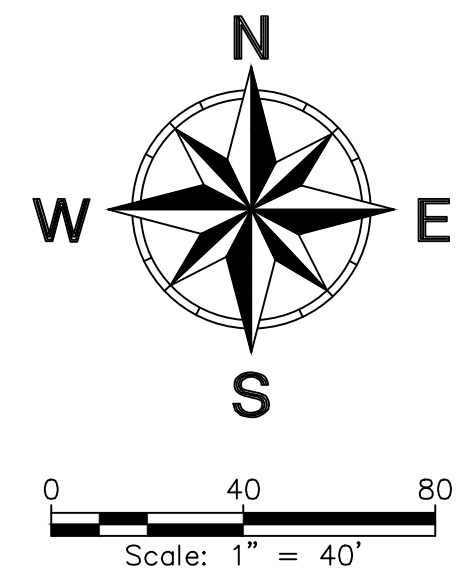
WILLIAM R. WINKELMANN
120378
Professional Engineer

02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

EX. CONDITIONS & DEMOLITION PLAN (3)

I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-02.03

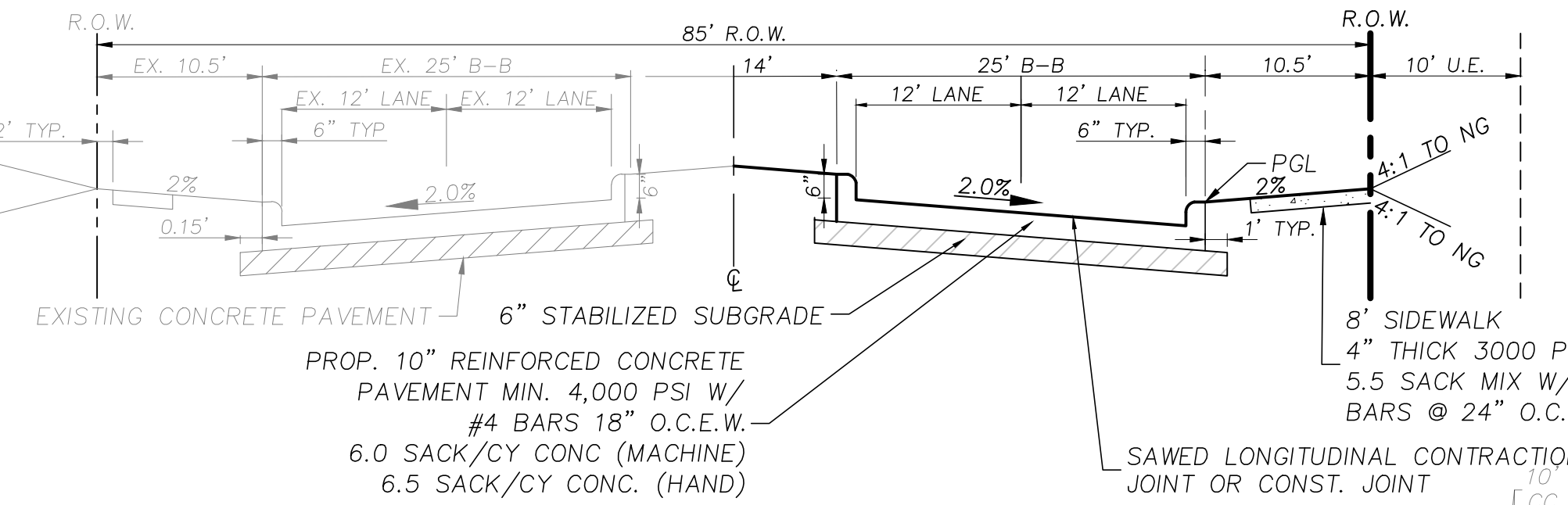


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LEGEND

① INTEGRAL STAMPED & STAINED REINFORCED CONCRETE PER CITY STANDARDS

AS-BUILT

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William R. Winkelmann
WINKELMANN AND ASSOCIATES, INC. 04-14-2026 DATE

GRADING LEGEND

- 629 --- EXISTING CONTOURS
- 629 --- PROP. CONTOURS
- 629.50tc --- Ex. Spot Grade
- 629.50TC PROP. TOP OF CURB
- 629.00TP PROP. TOP OF PAVEMENT
- 629.00G PROP. FINISHED GRADE

- NOTES:**
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 - DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
 - RADIUS & MEDIAN OPENING DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 - MEDIAN ISLAND PAVEMENT NOSE & LEFT TURN LANE TO BE INSTALLED PER THE CITY OF ROCKWALL'S STANDARD DETAIL R-2130.
 - ALL CONNECTIONS TO EXISTING CONCRETE SHALL BE LONGITUDINAL BUTT JOINT

ABBREVIATION LEGEND

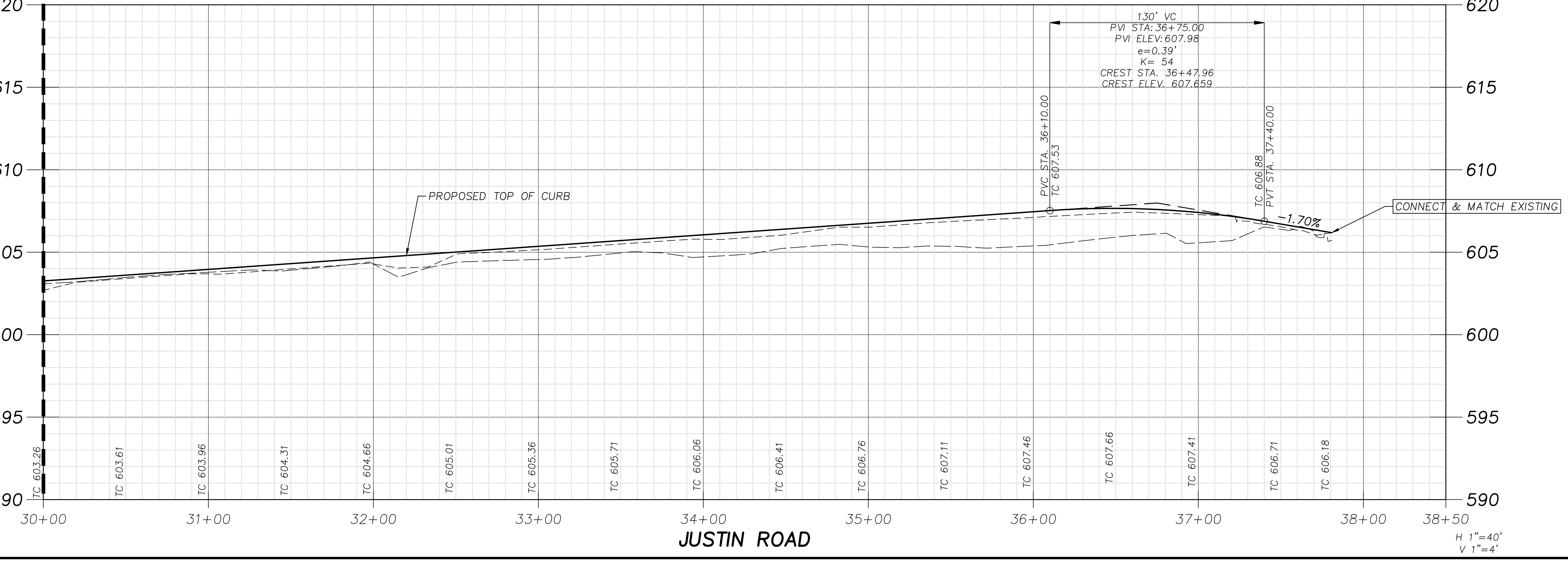
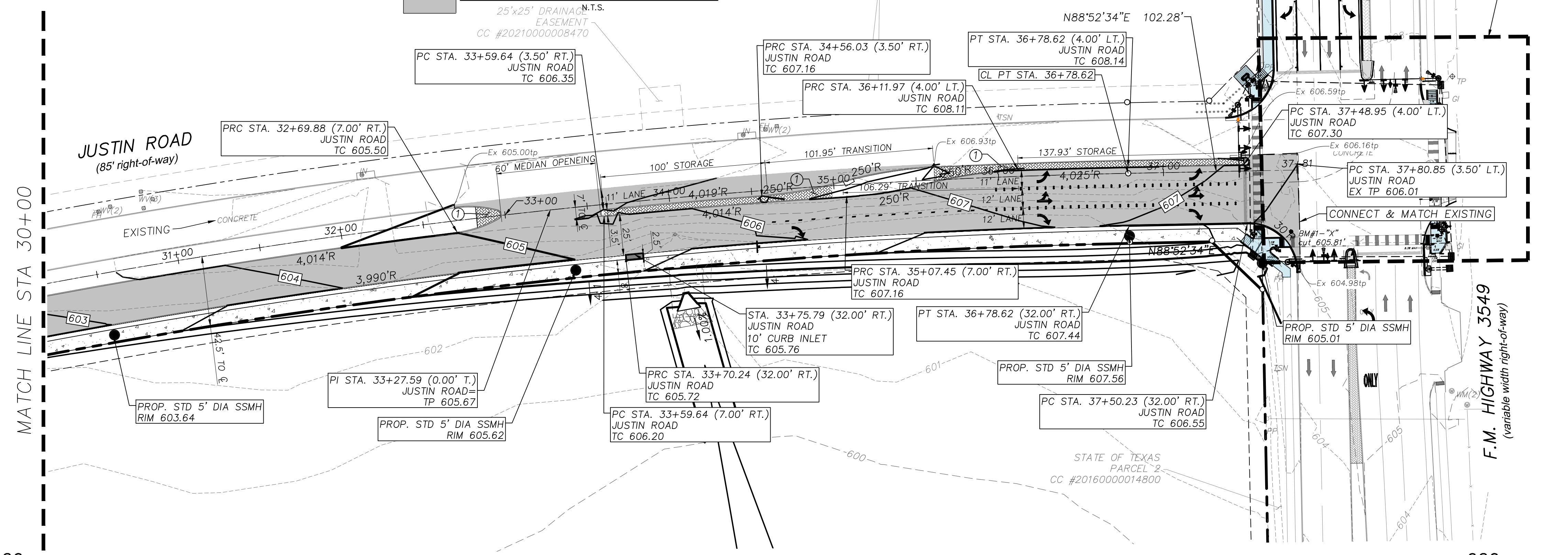
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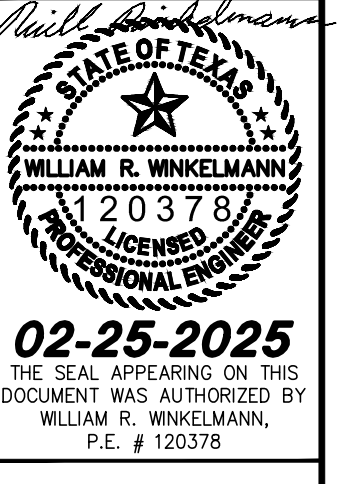
WORK DONE BY TXDOT PLANS BUT PROPOSED WORK & INFORMATION SHOWN HERE

NO.	DATE	REVISION	APPROVAL
1.			
2.			
3.			
4.			
5.			

Winkelmann & Associates, Inc.

CONSULTING CIVIL ENGINEERS ■ SURVEYORS

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www.winkelmann.com



PAVING PLAN & PROFILE (3)

I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-03.02

Plotted By: Loeffler, Anthony Date: January 08, 2021 11:22:41am File Path: K:\CEL_Civil\082324203-ROCKWALL - Commercial\Revo\Cad\PlanSheets\C-Drainage Calculations.dwg
 This drawing is the property of Kimley-Horn and Associates, Inc. and shall be without liability to any other party.

Storm Drain Calculations																																				
From	To	Pipe Length	Drainage Area			Runoff "c"	Incr. cA	Total cA	Time of Concentration			100-year Intensity	100-year Runoff	Inlet Carryover	Inlet Carryover	Q Pipe	Pipe Size Diameter	n	Sf	HGL		Head Loss Calculations										Design HGL	Invert Elevation		T/C or Ground	T/C-HG
			Increte No.	Area acres	Total acres				Inlet	Travel	Total									U/S	D/S	V1 (in)	V2 (out)	V1'2G	V2'2G	Kj	KjV1'2G	Hk	From	To						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18a	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
LINE SD-A																																				
24+12.83	23+48.82	64.01	A	0.23	0.23	0.90	0.20	0.20	10.0	0.2	10.2	9.80	1.99	0.00	0.00	1.99	18	1	0.013	0.0004	600.62	599.55	0.00	5.83	0.00	0.53	1.25	0.66	0.66	601.28	600.24	598.98	604.22	2.94		
23+48.82	21+64.81	184.01	A	0.00	0.23	0.90	0.00	0.20	10.2	0.9	11.1	9.80	1.99	0.00	0.00	1.99	18	1	0.013	0.0004	599.55	598.82	5.83	3.30	0.53	0.17	0.37	0.20	0.00	599.55	598.98	598.25	603.77	4.22		
21+64.81	19+09.53	255.28	A	0.57	0.79	0.90	0.51	0.71	11.1	1.5	12.6	9.80	6.98	0.00	0.00	6.98	21	1	0.013	0.0019	598.60	597.78	3.30	2.90	0.17	0.13	1.00	0.17	PARTIAL	598.60	598.00	595.94	602.48	3.88		
19+09.53	18+14.95	94.58	A	0.23	1.02	0.90	0.20	0.91	12.6	0.2	12.8	9.80	8.97	0.00	0.00	8.97	21	1	0.013	0.0032	597.23	596.93	2.90	6.60	0.13	0.68	1.00	0.13	0.55	597.78	595.94	595.18	600.69	2.91		
18+14.95	16+65.00	149.95	A	0.33	1.35	0.90	0.30	1.21	12.8	0.5	13.3	9.80	11.88	0.00	0.00	11.88	21	1	0.013	0.0056	596.41	595.26	6.60	4.94	0.68	0.38	1.00	0.68	0.00	596.41	595.18	593.98	600.03	3.62		
16+65.00	15+85.70	79.30	A	0.00	1.35	0.90	0.00	1.21	13.3	0.3	13.6	9.80	11.88	0.00	0.00	11.88	24	1	0.013	0.0028	595.25	595.03	4.94	3.78	0.38	0.22	0.05	0.02	0.01	595.25	593.73	592.94	598.98	3.72		
15+85.70	15+70.63	15.07	A	0.22	1.57	0.90	0.20	1.41	13.6	0.0	13.6	9.80	13.84	0.00	0.00	13.84	24	1	0.013	0.0037	594.29	594.23	3.78	7.89	0.22	0.97	1.00	0.22	0.74	595.03	592.94	592.79	598.42	3.39		
15+70.63	12+54.08	316.55	A	0.33	1.90	0.90	0.30	1.71	13.6	0.6	14.2	9.80	16.79	0.00	0.00	16.79	24	1	0.013	0.0055	594.07	591.62	7.89	8.52	0.97	1.13	1.00	0.97	0.16	594.23	592.79	589.62	598.32	4.09		
12+54.08	9+12.72	341.36	A	0.66	2.57	0.90	0.60	2.31	14.2	1.0	15.2	9.80	22.64	0.00	0.00	22.64	27	1	0.013	0.0053	590.81	588.06	8.52	5.69	1.13	0.50	1.00	1.13	0.50	591.31	589.37	585.96	596.12	4.81		
9+12.72	5+72.72	340.00	A	0.66	3.23	0.90	0.60	2.91	15.2	1.1	16.3	9.80	26.16	0.00	0.00	26.16	30	1	0.013	0.0041	587.62	586.24	5.69	5.33	0.50	0.44	1.00	0.50	0.44	588.06	585.71	582.96	592.59	4.53		
5+72.72	5+46.74	25.98	A	0.33	3.56	0.90	0.29	3.20	16.3	0.1	16.4	9.80	28.81	0.00	0.00	28.81	30	1	0.013	0.0049	585.70	585.57	5.33	5.87	0.44	0.53	1.00	0.44	0.53	586.24	582.96	582.84	588.16	1.92		
5+46.74	3+66.87	179.87	A	0.34	3.89	0.90	0.30	3.50	16.4	0.5	16.9	9.80	31.54	0.00	0.00	31.54	30	1	0.013	0.0059	585.47	584.41	5.87	6.42	0.53	0.64	1.00	0.53	0.11	585.57	582.84	581.43	588.05	2.48		
3+66.87	3+63.87	3.00	A	0.00	3.89	0.90	0.00	3.50	16.9	0.0	16.9	9.80	31.54	0.00	0.00	31.54	36	1	0.013	0.0022	584.21	584.20	6.42	4.46	0.64	0.31	0.00	0.00	0.20	584.41	580.93	580.91	586.79	2.38		
3+63.87	3+29.07	34.80	A	0.34	4.23	0.90	0.31	3.81	16.9	0.1	17.0	9.80	34.29	0.00	0.00	34.29	36	1	0.013	0.0026	583.84	583.75	4.46	4.85	0.31	0.37	1.00	0.37	0.37	584.20	580.91	580.64	586.77	2.57		
3+29.07	2+60.00	69.07	A	0.31	4.54	0.90	0.28	4.09	17.0	0.2	17.2	9.80	36.80	0.00	0.00	36.80	36	1	0.013	0.0030	583.64	583.43	4.85	5.21	0.37	0.42	0.25	0.09	0.11	583.75	580.64	580.43	586.53	2.78		
LATERAL A-3																																				
1+19.00	1+00.00	19.00	A	0.34	0.34	0.90	0.31	0.31	10.0	0.2	10.2	9.80	3.00	0.00	0.00	3.00	18	1	0.013	0.0008	598.65	598.63	-	1.70	-	0.04	1.25	0.00	0.06	598.70	0.00	0.00	602.63	3.93	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-4																																				
1+45.00	1+00.00	45.00	A	0.33	0.33	0.90	0.30	0.30	10.0	0.2	10.2	9.80	2.91	0.00	0.00	2.91	18	1	0.013	0.0008	599.18	598.80	-	4.87	-	0.37	1.25	0.00	0.46	599.64	598.63	598.23	602.63	2.99		
LATERAL A-5																																				
1+52.06	1+00.00	52.06	A	0.23	0.23	0.90	0.20	0.20	10.0	0.8	10.8	9.80	1.99	0.00	0.00	1.99	18	1	0.013	0.0004	597.92	597.90	-	1.13	-	0.02	1.25	0.00	0.02	597.95	597.02	596.07	601.02	3.07	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-6																																				
1+21.92	1+00.00	21.92	A	0.33	0.33	0.90	0.30	0.30	10.0	0.2	10.2	9.80	2.91	0.00	0.00	2.91	18	1	0.013	0.0008	596.79	596.77	-	1.65	-	0.04	1.25	0.00	0.05	596.84	596.24	595.31	600.24	3.40	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-7																																				
1+21.92	1+00.00	21.92	A	0.22	0.22	0.90	0.20	0.20	10.0	0.3	10.3	9.80	1.97	0.00	0.00	1.97	18	1	0.013	0.0004	595.25	595.25	-	1.11	-	0.02	1.25	0.00	0.02	595.28	594.63	593.19	598.63	3.35	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-8																																				
1+52.06	1+00.00	52.06	A	0.33	0.33	0.90	0.30	0.30	10.0	0.5	10.5	9.80	2.94	0.00	0.00	2.94	18	1	0.013	0.0008	595.22	595.18	-	1.66	-	0.04	1.25	0.00	0.05	595.28	594.64	593.04	598.64	3.36	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-9																																				
1+19.00	1+00.00	19.00	A	0.34	0.34	0.90	0.30	0.30	10.0	0.2	10.2	9.80	2.96	0.00	0.00	2.96	18	1	0.013	0.0008	590.95	590.94	-	1.68	-	0.04	1.25	0.00	0.05	591.01	592.25	0.00	596.25	5.24	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-10																																				
1+45.00	1+00.00	45.00	A	0.33	0.33	0.90	0.29	0.29	10.0	0.1	10.1	9.80	2.89	0.00	0.00	2.89	18	1	0.013	0.0008	592.61	590.94	-	8.92	-	1.24	1.25	0.00	1.54	594.15	592.26	590.12	596.26	2.11		
LATERAL A-11																																				
1+21.92	1+00.00	21.92	A	0.33	0.33	0.90	0.30	0.30	10.0	0.2	10.2	9.80	2.91	0.00	0.00	2.91	18	1	0.013	0.0008	588.06	588.05	-	1.65	-	0.04	1.25	0.00	0.05	588.12	588.72	0.00	592.72	4.60	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-12																																				
1+51.96	1+00.00	51.96	A	0.33	0.33	0.90	0.30	0.30	10.0	0.1	10.1	9.80	2.91	0.00	0.00	2.91	18	1	0.013	0.0008	589.09	587.65	-	8.72	-	1.18	1.25	0.00	1.48	590.57	588.72	586.71	592.72	2.15		
LATERAL A-13																																				
1+21.92	1+00.00	21.92	A	0.33	0.33	0.90	0.29	0.29	10.0	0.2	10.2	9.80	2.88	0.00	0.00	2.88	18	1	0.013	0.0008	586.24	586.22	-	1.63	-	0.04	1.25	0.00	0.05	586.29	584.36	583.46	588.36	2.07	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-14																																				
1+51.96	1+00.00	51.96	A	0.34	0.34	0.90	0.30	0.30	10.0	0.5	10.5	9.80	2.97	0.00	0.00	2.97	18	1	0.013	0.0008	586.14	586.09	-	1.68	-	0.04	1.25	0.00	0.05	586.19	584.36	583.34	588.36	2.17	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-15																																				
1+19.00	1+00.00	19.00	A	0.34	0.34	0.90	0.31	0.31	10.0	0.2	10.2	9.80	3.00	0.00	0.00	3.00	18	1	0.013	0.0008	584.22	584.20	-	1.70	-	0.04	1.25	0.00	0.06	584.27	582.98	581.66	586.98	2.71	PARTIAL FLOW VELOCITIES > 2.5 FPS	
LATERAL A-16																																				
1+74.99	1+11.35	63.64	A	0.31	0.31	0.90	0.28	0.28	10.0	0.7	10.7	9.80	2.73	0.00	0.00	2.73	18	1	0.013	0.0007	583.81	583.77	-	1.55	-	0.04	1.25	0.00	0.05	583.86	582.26	581.52	586.26	2.40	PARTIAL FLOW VELOCITIES > 2.5 FPS	
1+11.35	1+00.00	11.35	A	0.00	0.31	0.90	0.00	0.28	10.7	0.1	10.8	9.80	2.73	0.00	0.00	2.73	18	1	0.013	0.0007																

BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.
 ELEVATION - 605.81 feet

BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.
 ELEVATION - 593.26 feet

BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.
 ELEVATION - 587.31 feet

ABBREVIATION LEGEND

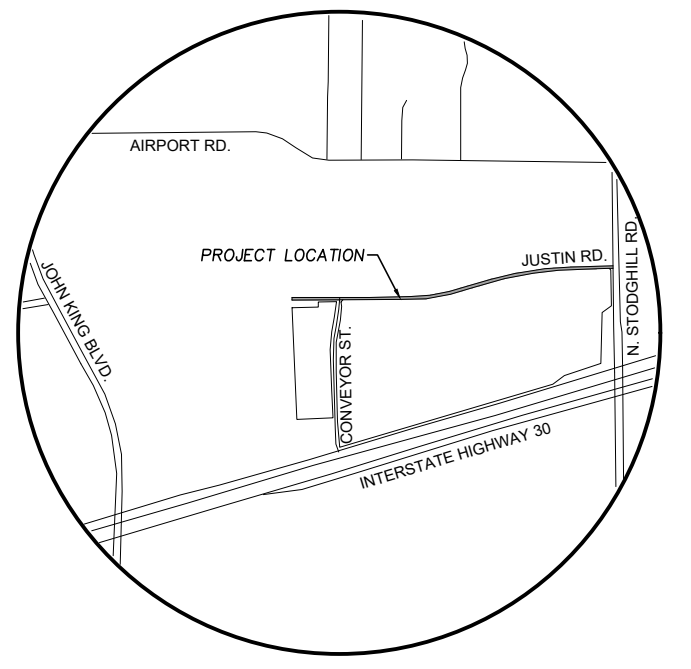
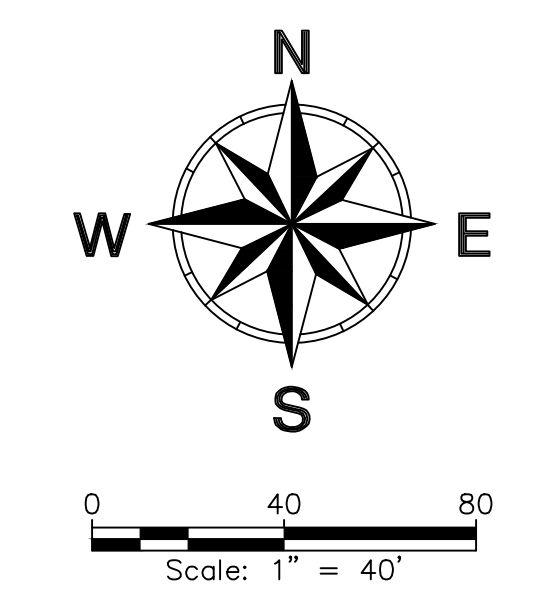
PP	Power Pole	IRF	Iron Rod Found
GW	Guy Wire	IRS	Iron Rod Set
MH	Manhole	CIRS	Iron Rod Set w/ cap "WAI"
WV	Water Valve	CIRF	Iron Rod Found w/ cap
TP	Telephone Pedestal	XCS	"X" Cut in Concrete Set
WM	Water Meter	XCF	"X" Cut in Concrete Found
FH	Fire Hydrant	PKS	PK Nail Set
LP	Light Pole	PKF	PK Nail Found
IV	Irrigation Valve	SS	Sanitary Sewer
CO	Clean Out	SW	Storm Sewer
AC	Air Conditioner	TF	Transformer pad
TV	Cable Box	GM	Gas Meter
SB	Signal Box	GKM	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UMC	Underground Cable Marker
CM	Control Monument	EB	Electric Box
		EM	Electric Meter

*****NOTICES TO CONTRACTOR*****

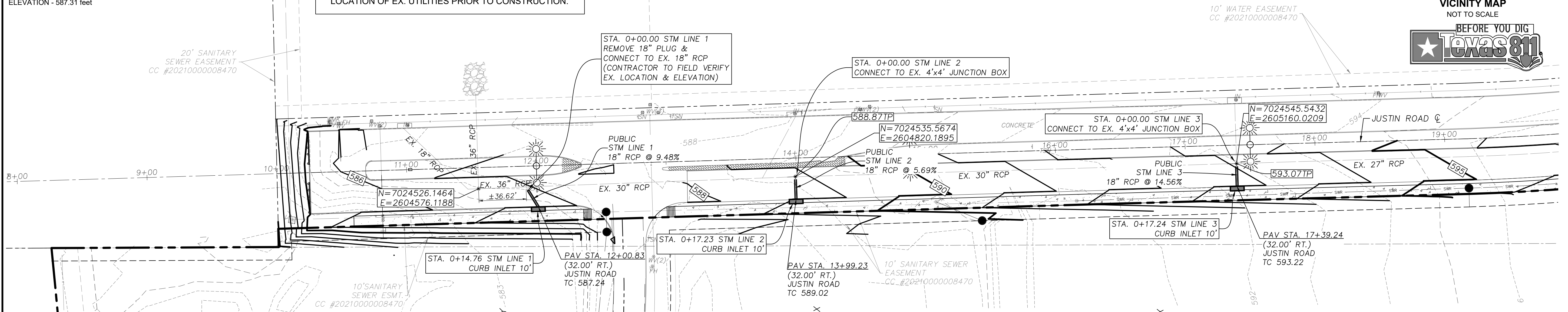
EXISTING UNDERGROUND/BURIED PUBLIC, PRIVATE, AND FRANCHISE UTILITIES/FACILITIES AFFECT THIS SITE, AND ARE DEPICTED ON THE PLANS PER THE BEST AVAILABLE INFORMATION AT THE TIME THE PLANS WERE PRODUCED. WINKELMANN & ASSOC., INC. SHALL NOT BE RESPONSIBLE FOR KNOWING THE EXACT LOCATION OF ALL FACILITIES OR DEPICTING EXACT LOCATIONS OF SAID FACILITIES ON THE PLANS BEYOND WHAT IS STATED ABOVE.

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CONTRACTOR(S) SHALL BE WHOLLY RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO SAID FACILITIES DUE TO WORK BEING DONE WITHOUT FOLLOWING THE PROCEDURES ABOVE.



NOTES:
 1. CONTRACTOR TO FIELD VERIFY HORIZONTAL & VERTICAL LOCATION OF EX. UTILITIES PRIOR TO CONSTRUCTION.



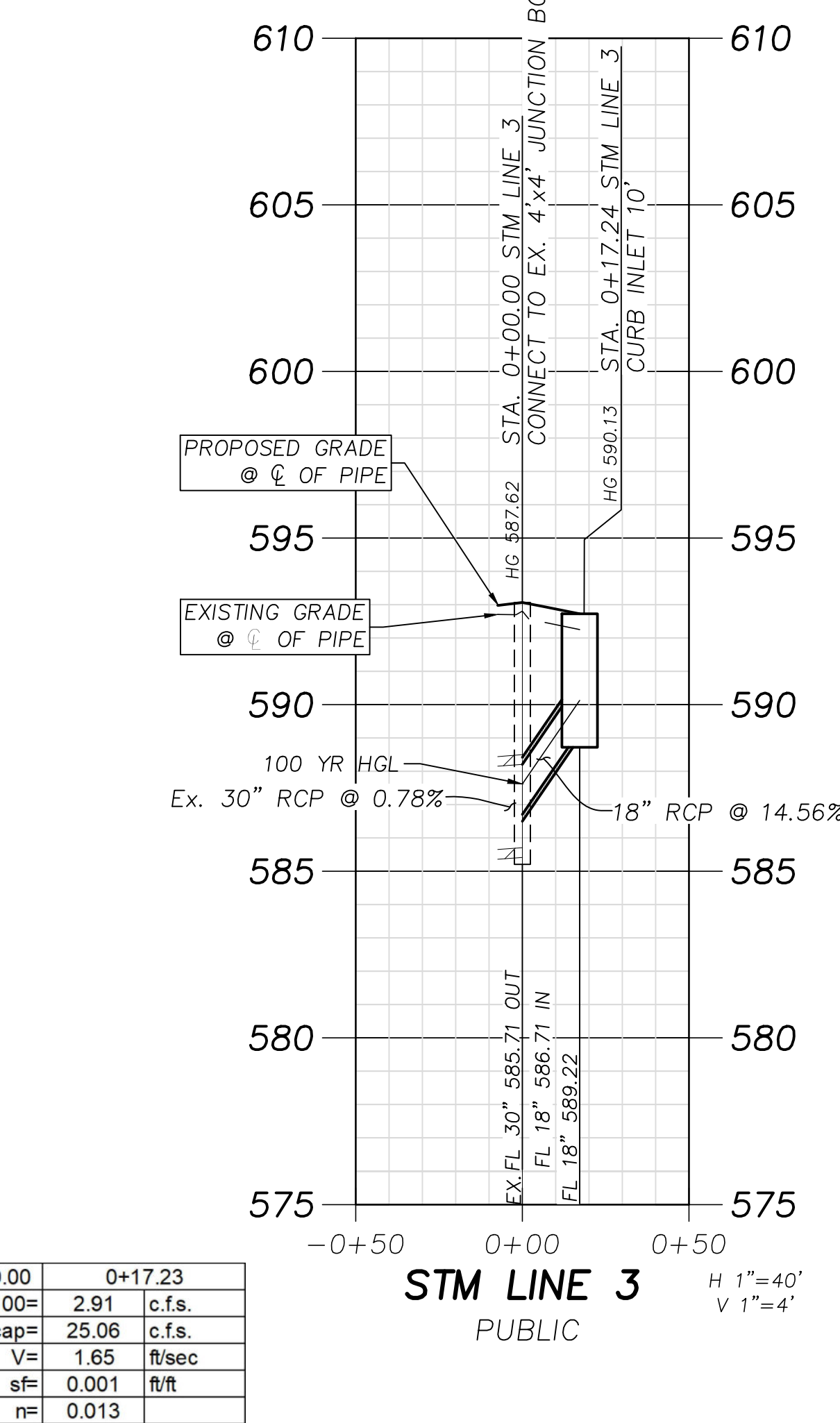
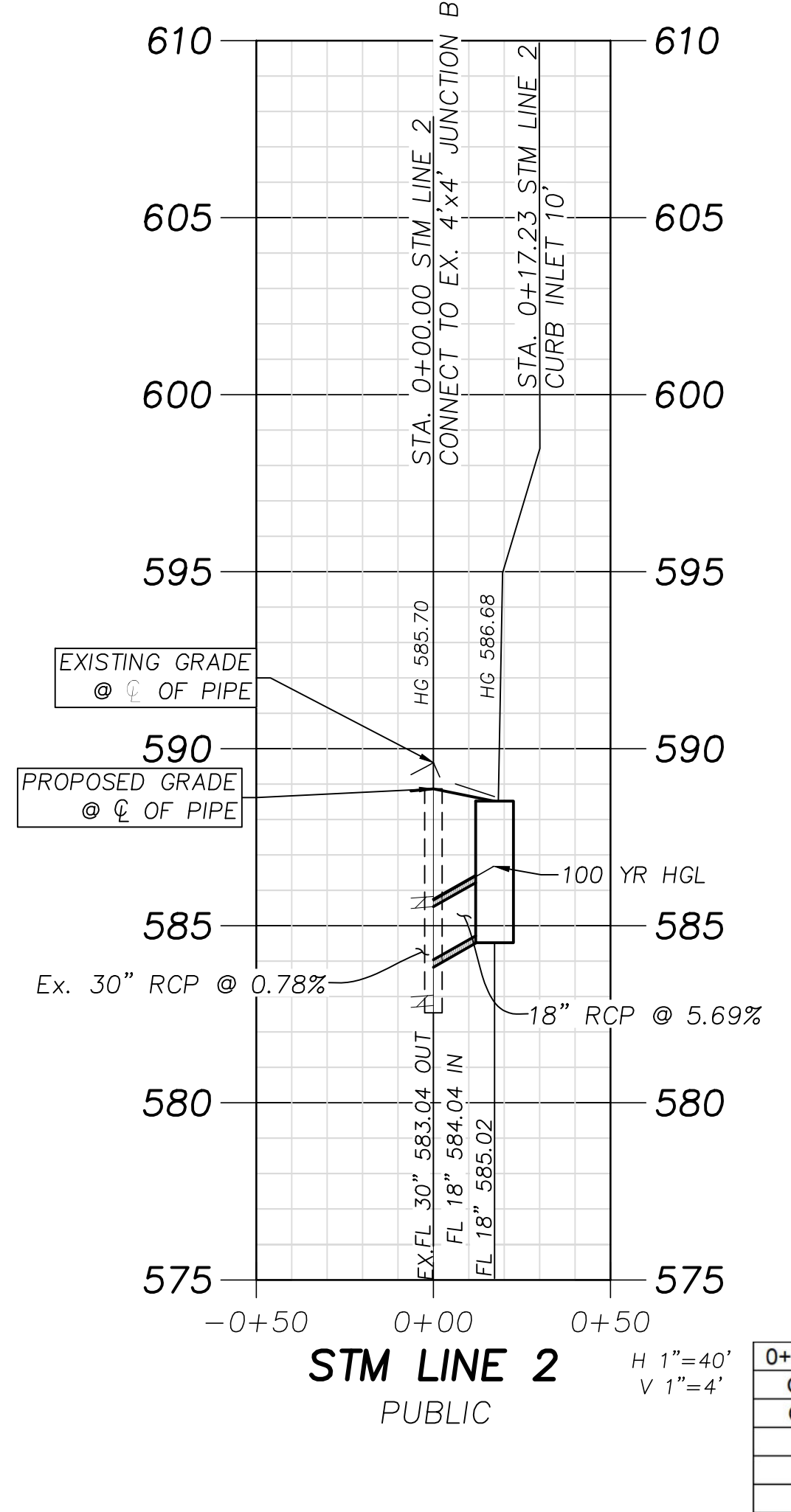
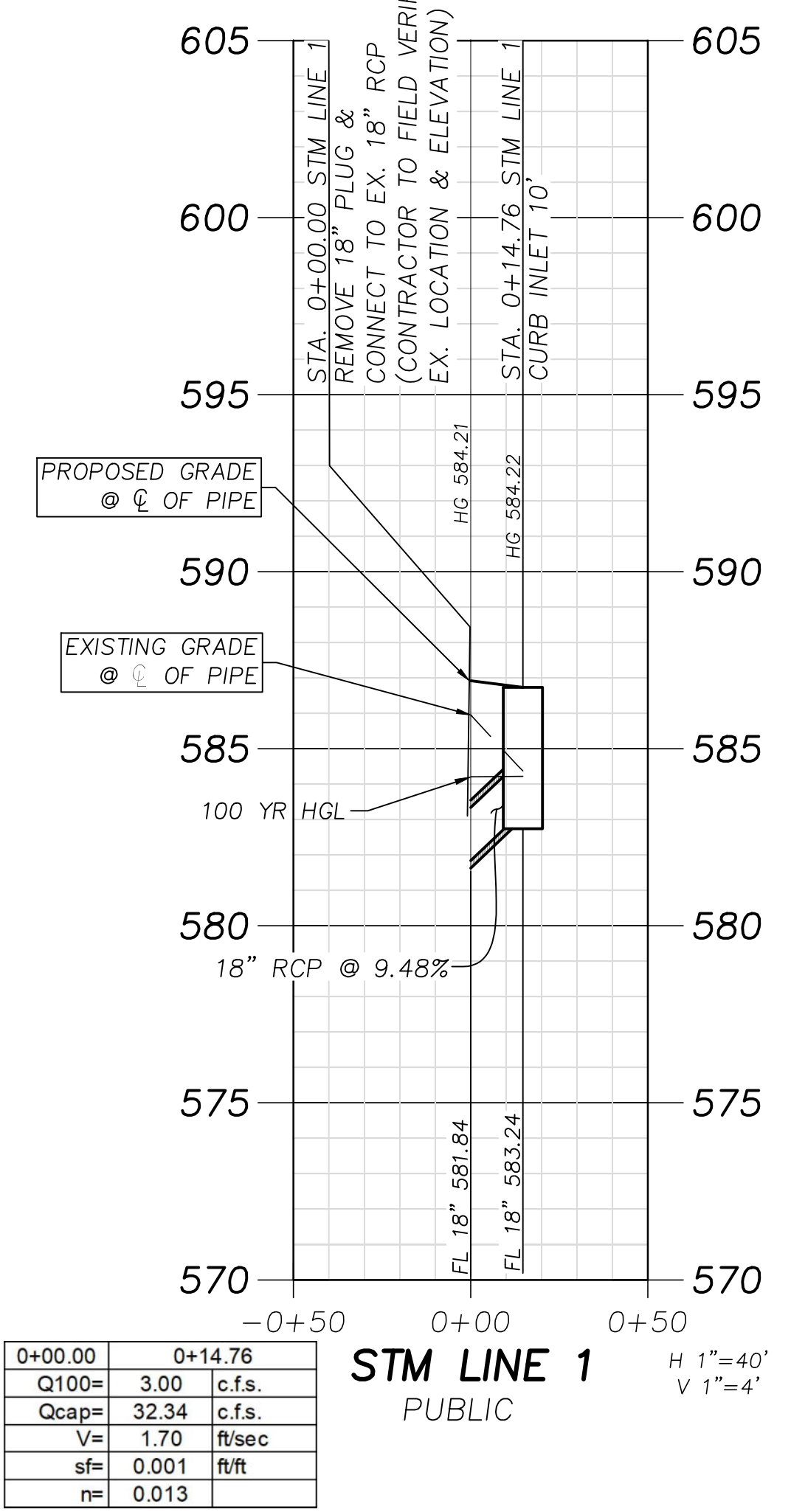
NOTES:

- 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.
- CONTRACTOR TO FIELD VERIFY HORIZONTAL & VERTICAL LOCATION OF EX. UTILITIES PRIOR TO CONSTRUCTION.
- ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERWISE NOTED.

AS-BUILT

THIS RECORD DRAWING IS COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWING FOR THIS PROJECT, MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWING ARE ON FILE AT THE OFFICES OF WINKELMANN AND ASSOCIATES, INC.

Will Rinkelmann
 WINKELMANN AND ASSOCIATES, INC. 04-14-2026
 DATE



Station	Q100=	Qcap=	V=	sf=	n=
0+00.00	2.74	40.08	10.89	0.146	0.013
0+17.24	2.74	40.08	10.89	0.146	0.013

Winkelmann & Associates, Inc.
 CONSULTING CIVIL ENGINEERS • SURVEYORS
 6750 HILGRET PLAZA DRIVE, SUITE 215
 ROCKWALL, TEXAS 75087
 Phone: (972) 460-7099
 Fax: (972) 460-7098
 State Surveyors Registration No. 107866-00
 Contract # 2021000008470

02-25-2025
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

STORM PLAN & PROFILE (1)
 I-30 FRONTAGE RD & FM 3549
 ROCKWALL, TX

C-05.00

REVISION
 No. DATE

APPROVED
 DATE

LAST SAVED BY: COLAUSA, April 14, 2026

BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.
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 ELEVATION - 593.26 feet

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 ELEVATION - 587.31 feet

*****NOTICES TO CONTRACTOR*****

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ABBREVIATION LEGEND

PP Power Pole	IRF Iron Rod Found
GW Guy Wire	IRS Iron Rod Set
MH Manhole	CIRS Iron Rod Set w/ cap "WAI"
WV Water Valve	CIRF Iron Rod Found w/ cap
TP Telephone Pedestal	XCS "X" Cut in Concrete Set
WM Water Meter	XCF "X" Cut in Concrete Found
FH Fire Hydrant	PKF PK Nail Found
LP Light Pole	SS Sanitary Sewer
IV Irrigation Valve	SW Storm Sewer
CO Clean Out	TF Transformer pad
AC Air Conditioner	GM Gas Meter
TC Cable Box	GMK Gas Marker
SB Signal Box	TSM Traffic Sign
SP Signal Pole	UCG Underground Cable Marker
SN Sign	EB Electric Box
CM Control Monument	EM Electric Meter

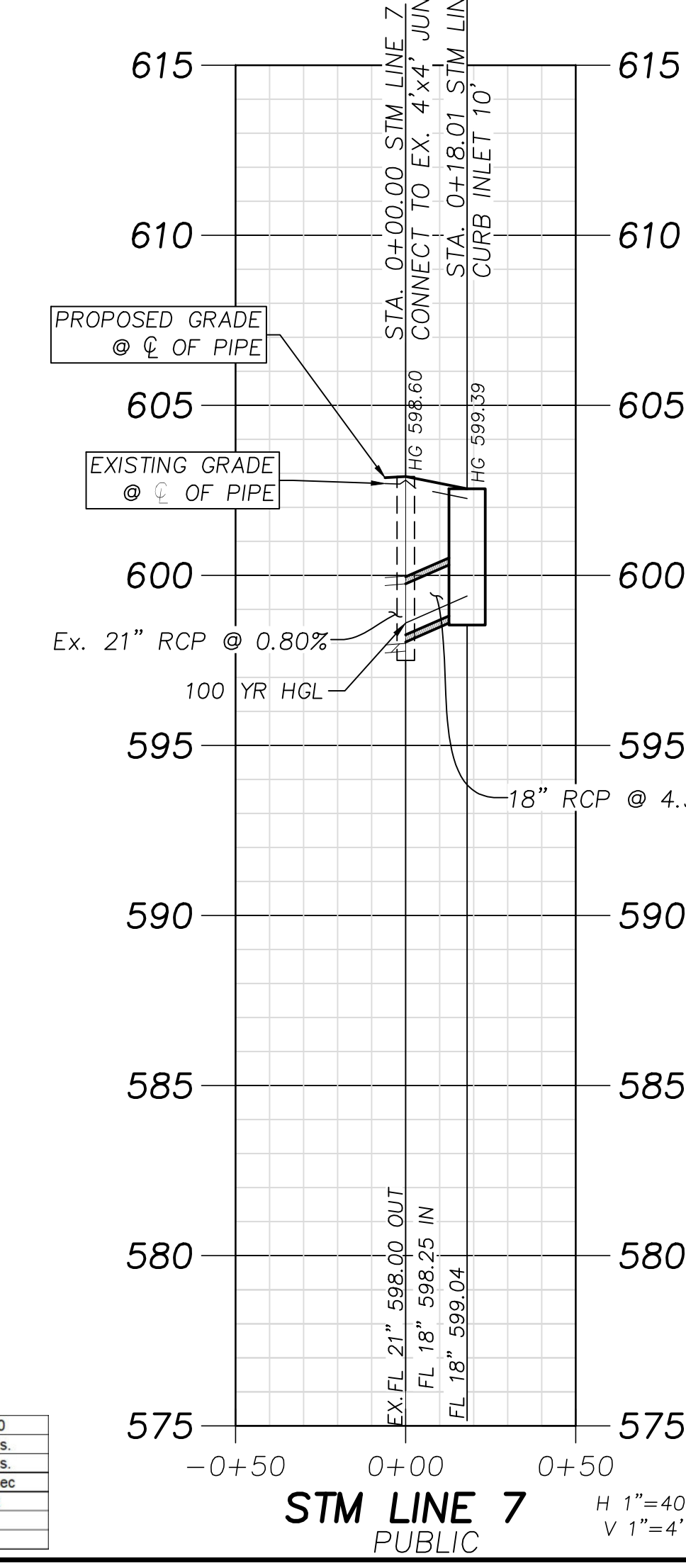
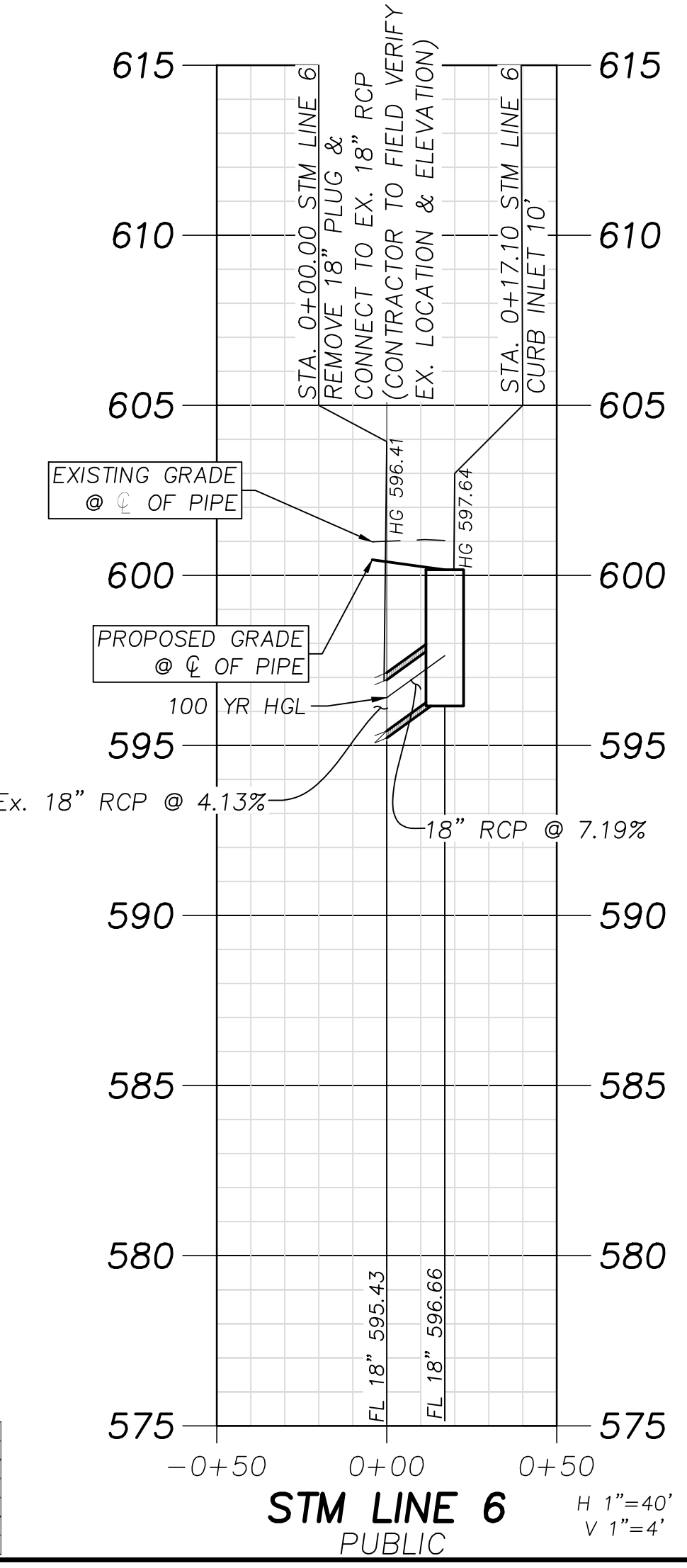
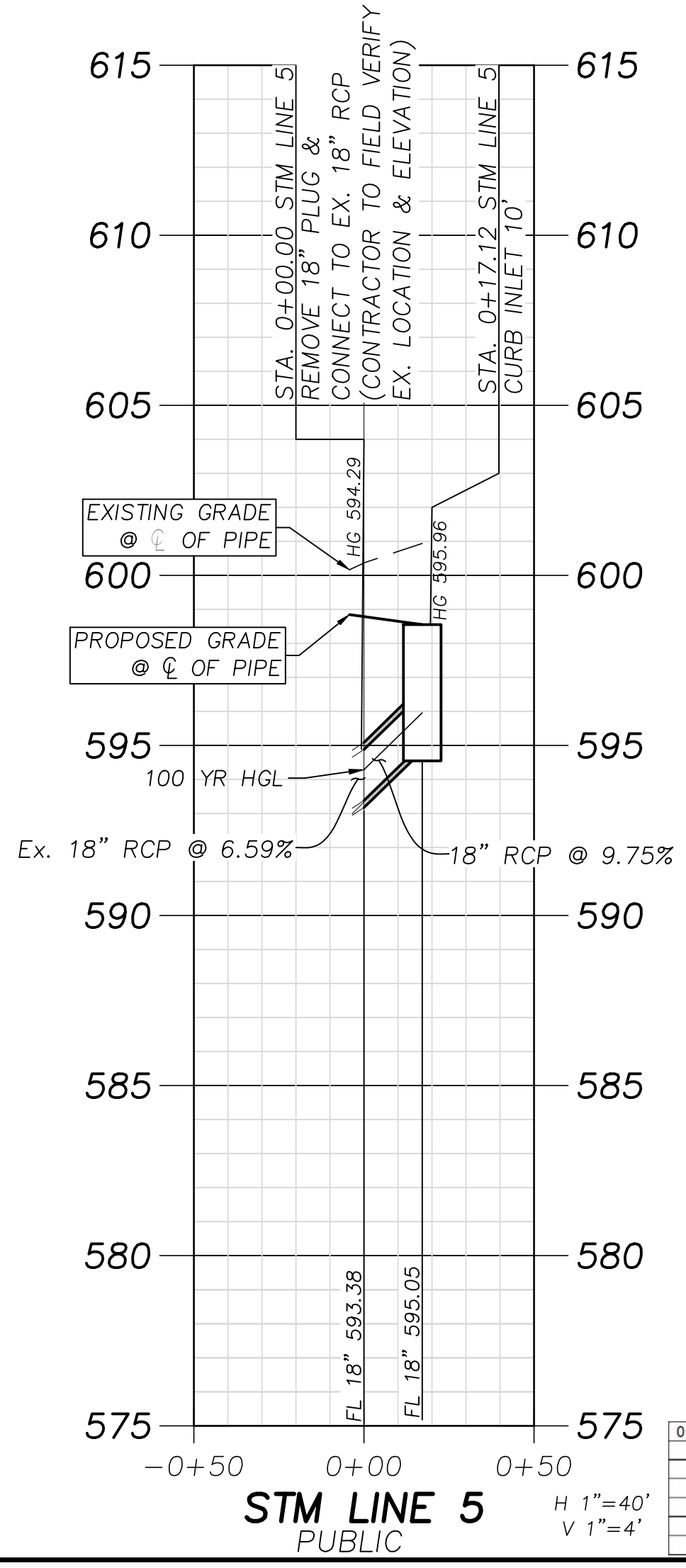
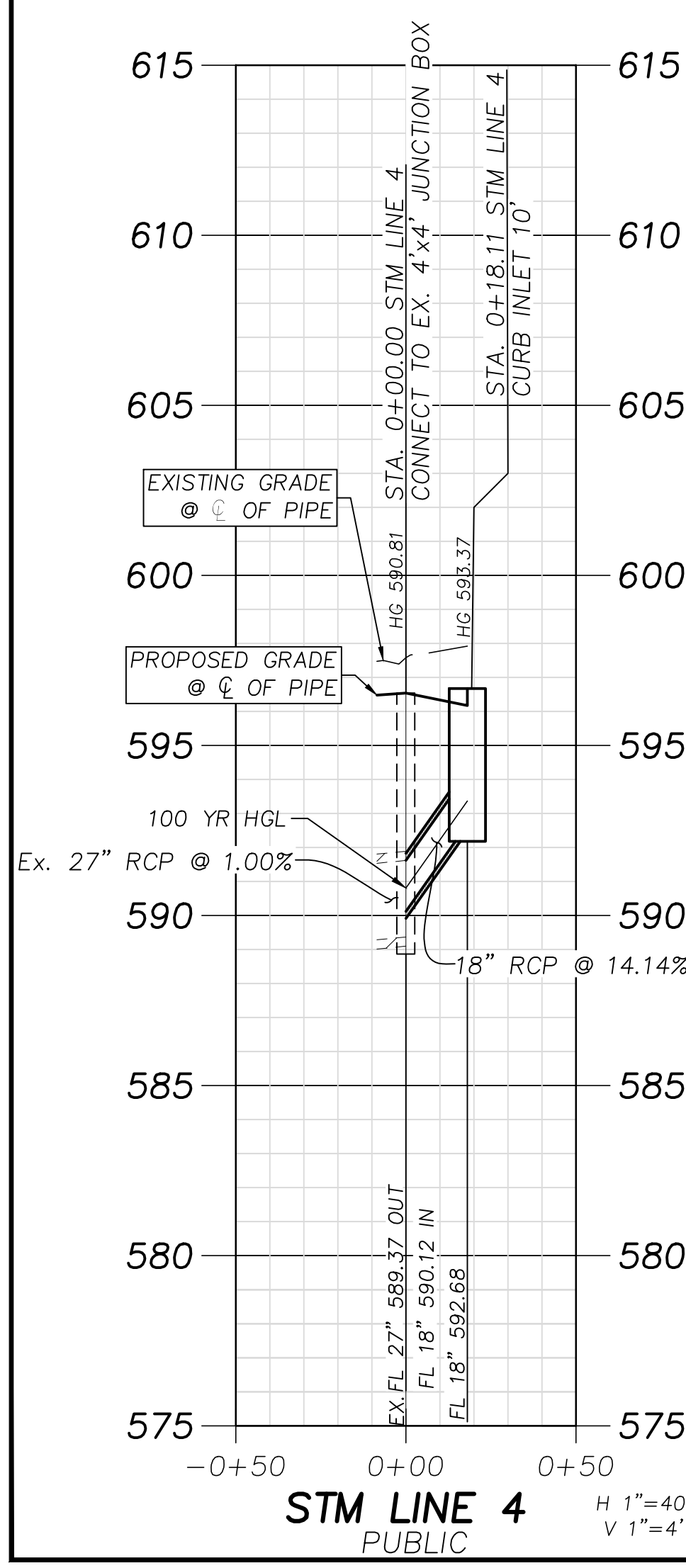
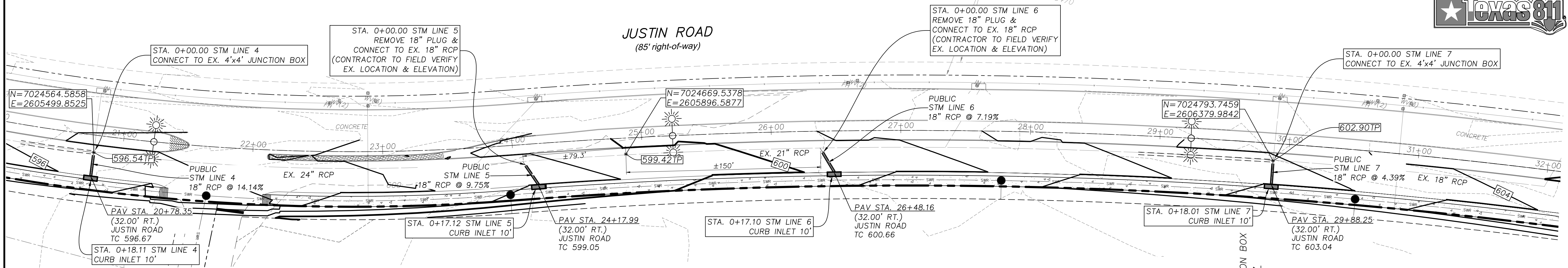
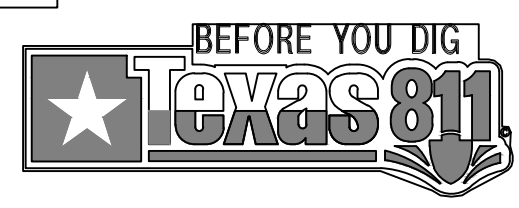
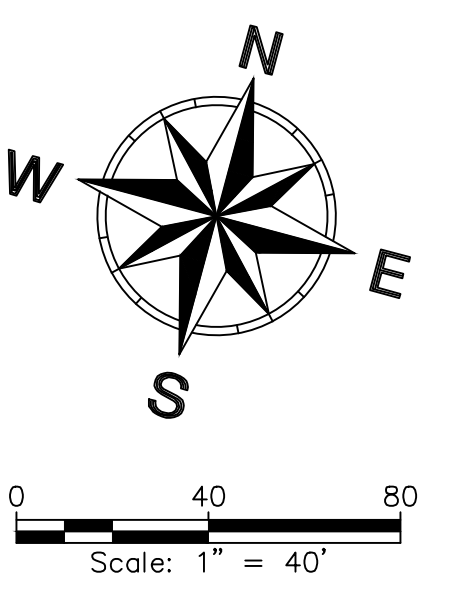
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Will Winkelmann
 WINKELMANN AND ASSOCIATES, INC.
 04-14-2026
 DATE



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No.									

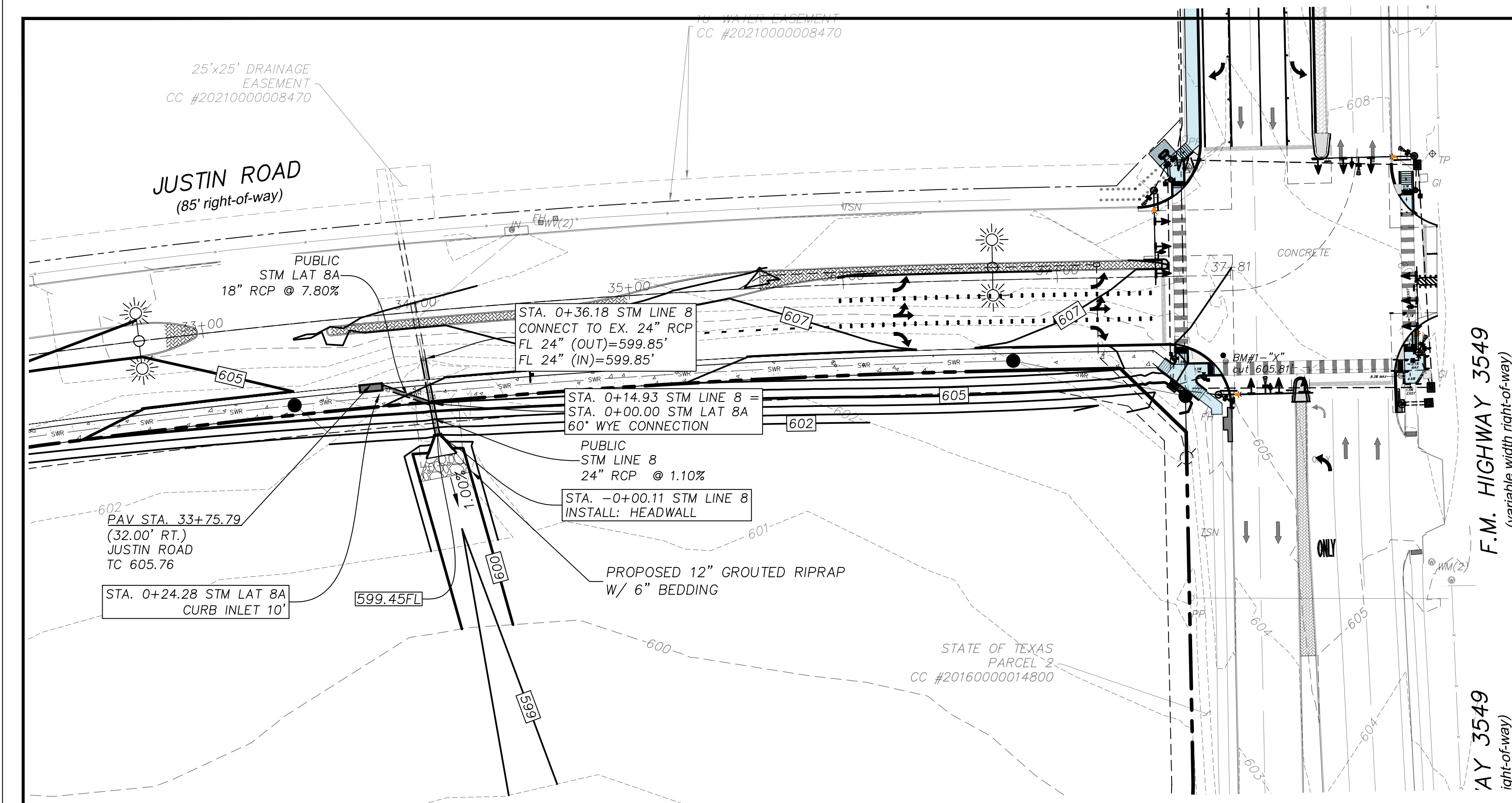
Winkelmann & Associates, Inc.
 CONSULTING CIVIL ENGINEERS • SURVEYORS
 6750 HILGREET PLAZA DRIVE, SUITE 215
 ROCKWALL, TEXAS 75087
 (972) 460-7099
 (972) 460-7098 FAX
 Texas Engineers Registration No. 89
 Texas Surveyors Registration No. 107665-00
 CONTRACTOR: Winkelman & Associates, Inc.

02-25-2025
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

STORM PLAN & PROFILE (2)
 I-30 FRONTAGE RD & FM 3549
 ROCKWALL, TX

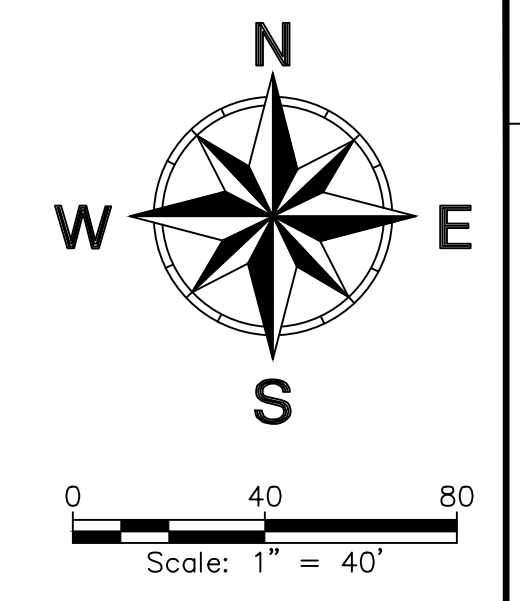
C-05.01

JUSTIN ROAD EXTENSION
 63-506
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ABBREVIATION LEGEND

PP	Power Pole	IRF	Iron Rod Found
GW	Guy Wire	IRS	Iron Rod Set
MH	Manhole	CRS	Iron Rod Set w/ cap "WAI"
WV	Water Valve	CIRF	Iron Rod Found w/ cap
TP	Telephone Pedestal	XCS	"X" Cut in Concrete Set
WM	Water Meter	XCF	"X" Cut in Concrete Found
FH	Fire Hydrant	PKS	PK Nail Set
LP	Light Pole	PKF	PK Nail Found
IV	Irrigation Valve	SS	Sanitary Sewer
CO	Clean Out	SW	Storm Sewer
AC	Air Conditioner	TF	Transformer pad
TV	Cable Box	GM	Gas Meter
SB	Signal Box	GMK	Gas Marker
SP	Signal Pole	TSN	Traffic Sign
SN	Sign	UCG	Underground Cable Marker
CM	Control Monument	EB	Electric Box
		EM	Electric Meter

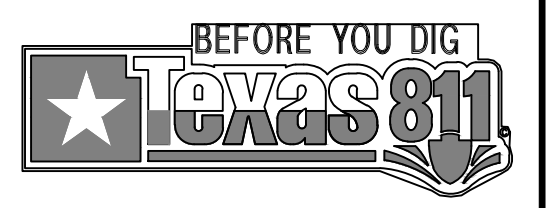


BENCH MARKS:

BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.
ELEVATION - 605.81 feet

BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.
ELEVATION - 593.26 feet

BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.
ELEVATION - 587.31 feet



*****NOTICES TO CONTRACTOR*****

EXISTING UNDERGROUND/BURIED PUBLIC, PRIVATE, AND FRANCHISE UTILITIES/FACILITIES AFFECT THIS SITE, AND ARE DEPICTED ON THE PLANS PER THE BEST AVAILABLE INFORMATION AT THE TIME THE PLANS WERE PRODUCED. WINKELMANN & ASSOC., INC. SHALL NOT BE RESPONSIBLE FOR KNOWING THE EXACT LOCATION OF ALL FACILITIES OR DEPICTING EXACT LOCATIONS OF SAID FACILITIES ON THE PLANS BEYOND WHAT IS STATED ABOVE.

CONTRACTOR(S) SHALL CALL "811" A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK ON THE SITE, AND SHALL NOT BEGIN ANY EXCAVATION OR DEMOLITION ACTIVITIES UNTIL AFTER SAID FACILITIES HAVE BEEN MARKED AND/OR FLAGGED PER "811" OR THE FACILITY OWNERS.

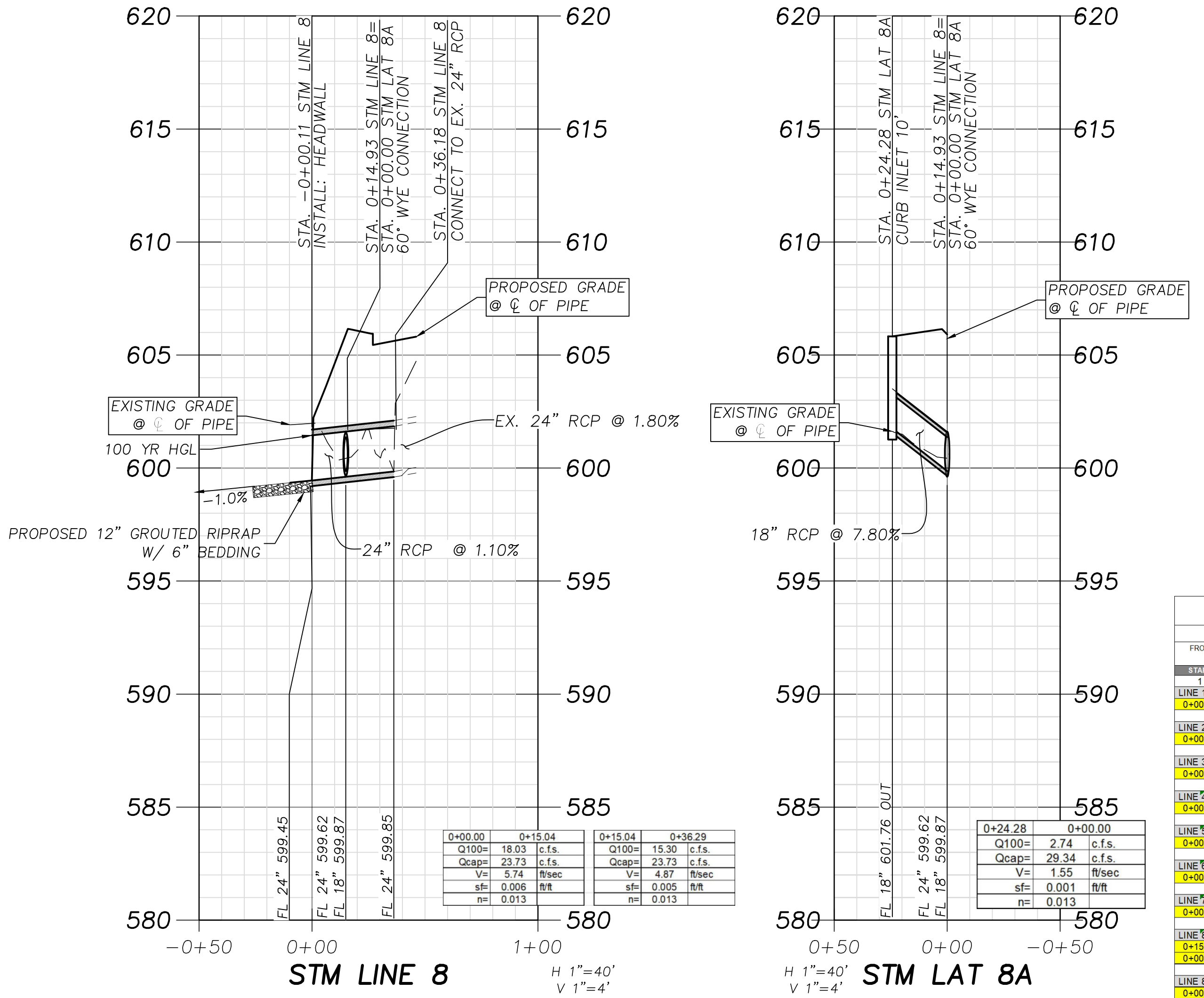
CONTRACTOR(S) SHALL BE WHOLLY RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO SAID FACILITIES DUE TO WORK BEING DONE WITHOUT FOLLOWING THE PROCEDURES ABOVE.

- NOTES:**
- 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.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL & VERTICAL LOCATION OF EX. UTILITIES PRIOR TO CONSTRUCTION.
 - ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERWISE NOTED.

AS-BUILT

THIS RECORD DRAWING IS COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWING FOR THIS PROJECT; MODIFIED BY ADDENDA, CHANGE ORDERS, AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWINGS THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWING ARE ON FILE AT THE OFFICES OF WINKELMANN AND ASSOCIATES, INC.

Will Winkelmann
WINKELMANN AND ASSOCIATES, INC. 04-14-2026
DATE



COMPUTATION SHEET
HYDRAULIC COMPUTATIONS FOR STORM DRAINS

STORM DRAIN HYDRAULIC CALCULATIONS TABLE

FROM	TO	PIPE	LENGTH	DRAINAGE AREA		RUNOFF	INCR. COEFF.	TOTAL	TIME OF CONCENTRATION				Q100	INLET	PIPE	SIZE	n	Sf	HEADLOSS CALCULATIONS				DESIGN	INVERT ELEV.	TIC	COMMENTS								
				INCREMENTAL	AREA				INLET	TRAVEL	TOTAL	INTENSITY							RUNOFF	BYPASS	HW	HW					HW	HW	HW	HW	HW			
LINE 1	0+00.00	0+14.76	14.76	A-15	0.340	0.340	0.90	0.306	10.00	0.00	10.00	9.80	2.17	3.00	0.00	3.00	18	0.013	0.0008	584.21	584.22	0.00	1.70	0.00	0.04	1.25	0.00	0.10	584.32	581.84	583.24	587.23	CURB INLET	
LINE 2	0+00.00	0+17.23	17.23	A-13	0.330	0.330	0.90	0.297	10.00	0.00	10.00	9.80	2.11	2.91	0.00	2.91	18	0.013	0.0569	585.70	585.68	0.00	7.56	0.00	0.89	1.25	0.00	1.11	587.79	584.04	585.02	589.02	CURB INLET	
LINE 3	0+00.00	0+17.24	17.24	A-11	0.330	0.330	0.90	0.297	10.00	0.00	10.00	9.80	1.95	2.91	0.00	2.91	18	0.013	0.1456	587.62	590.13	0.00	11.67	0.00	2.08	1.25	0.00	2.60	592.73	586.71	589.22	593.22	CURB INLET	
LINE 4	0+00.00	0+18.11	18.11	A-9	0.340	0.340	0.90	0.306	10.00	0.00	10.00	9.80	2.01	3.00	0.00	3.00	18	0.013	0.1414	590.81	593.37	0.00	11.12	0.00	1.92	1.25	0.00	2.40	595.77	590.12	592.68	596.68	CURB INLET	
LINE 5	0+00.00	0+17.12	17.12	A-7	0.220	0.220	0.90	0.198	10.00	0.00	10.00	9.80	1.30	1.94	0.00	1.94	18	0.013	0.0975	594.29	595.96	0.00	8.97	0.00	1.25	1.25	0.00	1.56	597.52	593.38	595.05	599.05	CURB INLET	
LINE 6	0+00.00	0+17.10	17.10	A-8	0.330	0.330	0.90	0.297	10.00	0.00	10.00	9.80	1.95	2.91	0.00	2.91	18	0.013	0.0719	596.41	597.84	0.00	8.93	0.00	1.24	1.25	0.00	1.55	599.19	595.43	596.66	600.66	CURB INLET	
LINE 7	0+00.00	0+18.01	18.01	A-3	0.340	0.340	0.90	0.306	10.00	0.00	10.00	9.80	2.01	3.00	0.00	3.00	18	0.013	0.0439	598.60	599.39	0.00	6.72	0.00	0.70	1.25	0.00	0.88	600.27	598.25	599.04	603.04	CURB INLET	
LINE 8	0+15.04	0+36.29	21.25	E E1	4.990	4.990	0.35	1.607	1.607	10.00	0.00	10.00	9.80	10.54	15.74	0.00	15.30	24	0.013	0.0046	602.26	601.76	0.00	4.87	0.00	0.37	0.75	0.00	0.28	602.04	599.82	599.85	605.72	CONNECT TO PIPE
	0+00.00	0+15.04	15.04	E2	0.330	4.920	0.90	0.297	1.904	10.00	0.07	10.07	9.80	1.94	2.91	0.00	18.21	24	0.013	0.0110	601.45	601.62	4.87	7.41	0.37	0.85	0.75	0.28	0.64	602.26	599.45	599.62	605.72	IMP W/VE LIFT. RA
LINE 8A	0+00.00	0+24.28	24.28	E2	0.330	0.330	0.90	0.297	10.00	0.00	10.00	9.80	1.95	2.91	0.00	2.91	18	0.013	0.0780	601.62	603.61	0.00	8.93	0.00	1.24	1.25	0.00	1.55	605.06	599.87	601.76	605.76	CURB INLET	

REVISION

No.	DATE	REVISION
5.		
4.		
3.		
2.		
1.		

APPROVED

LAST SAVED BY: C040504, Apr 14, 2026

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS • SURVEYORS
6750 HILGREET PLAZA DRIVE, SUITE 215
ROCKWALL, TEXAS 75087
Phone: 972-980-7099
Fax: 972-980-7098
E-mail: info@winkelmann.com
www.winkelmann.com

WILLIAM R. WINKELMANN
Professional Engineer
No. 120378
State of Texas
02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

STORM PLAN & PROFILE (3)
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-05.02

JUSTIN ROAD EXTENSION

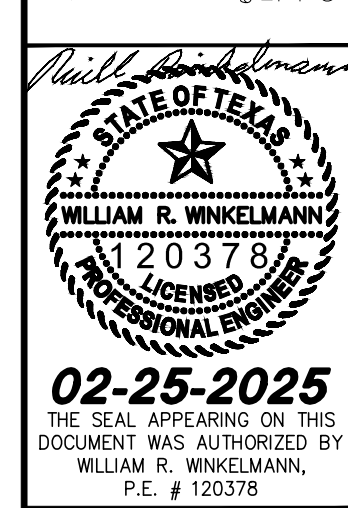
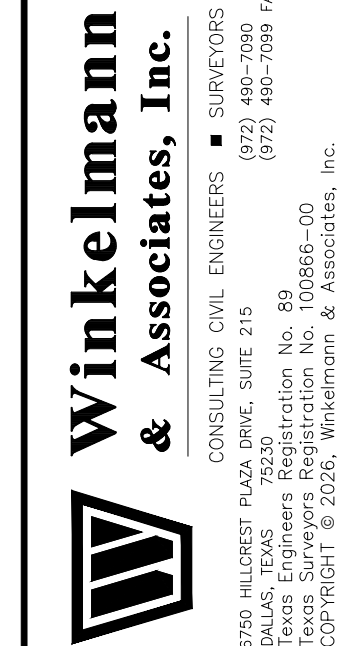
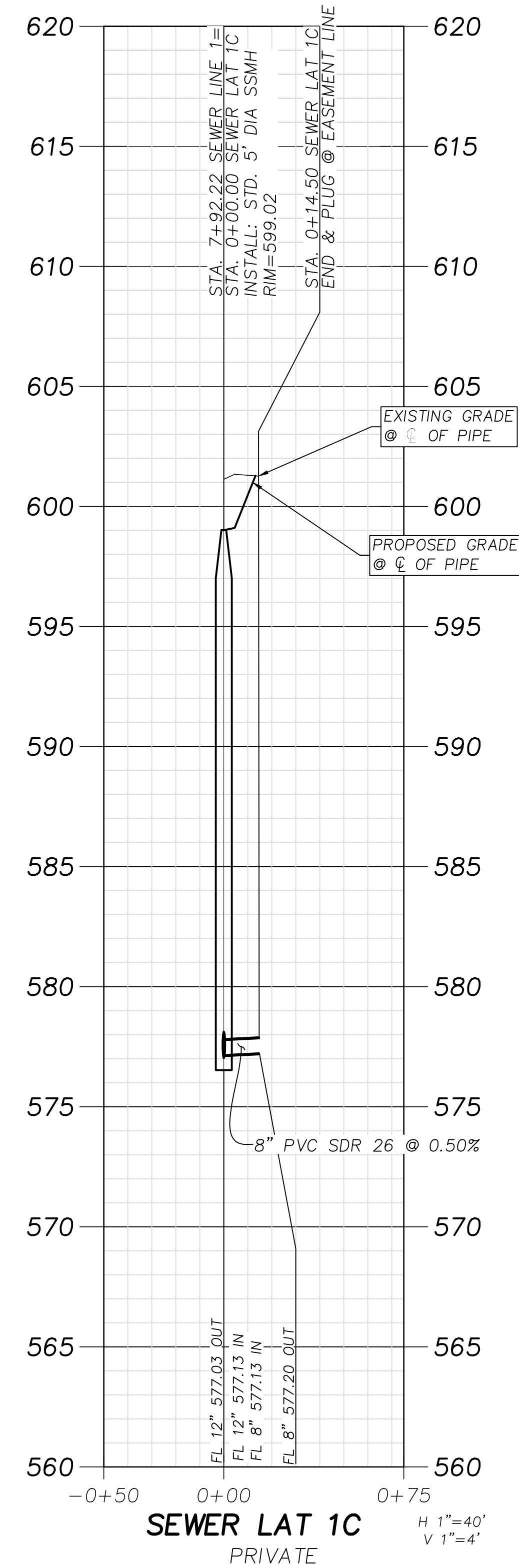
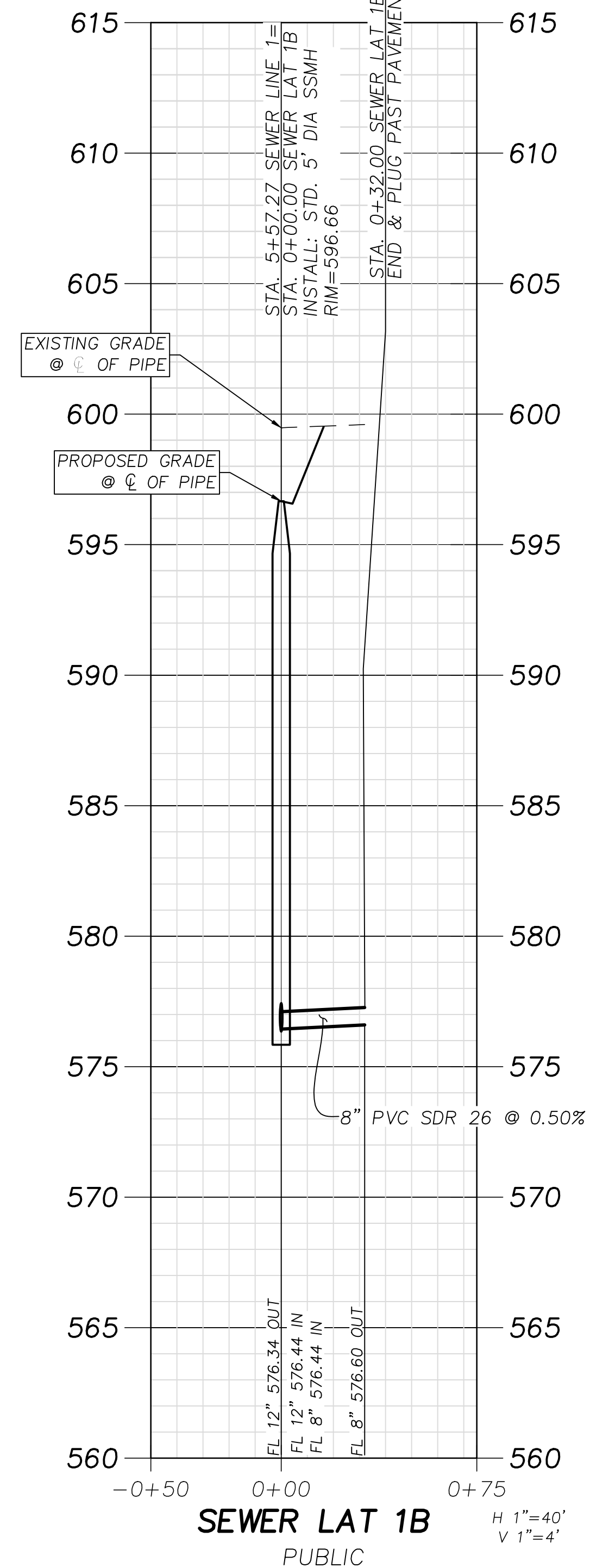
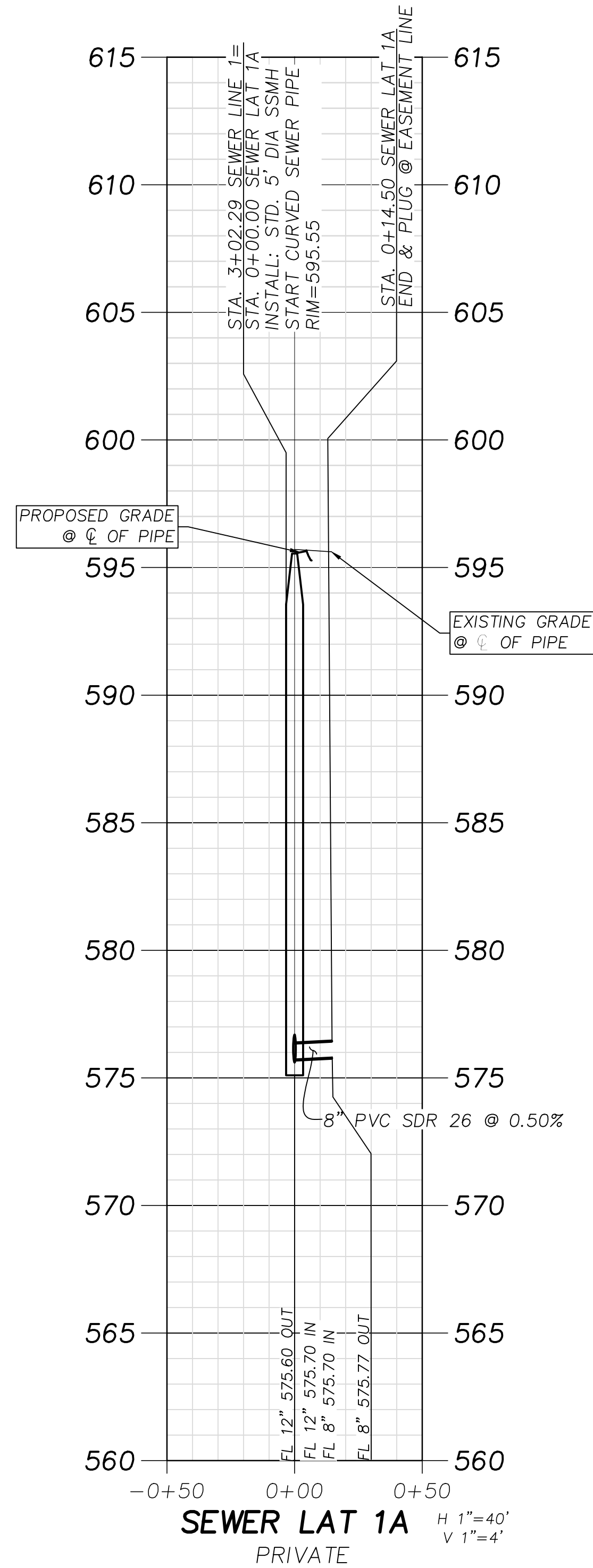
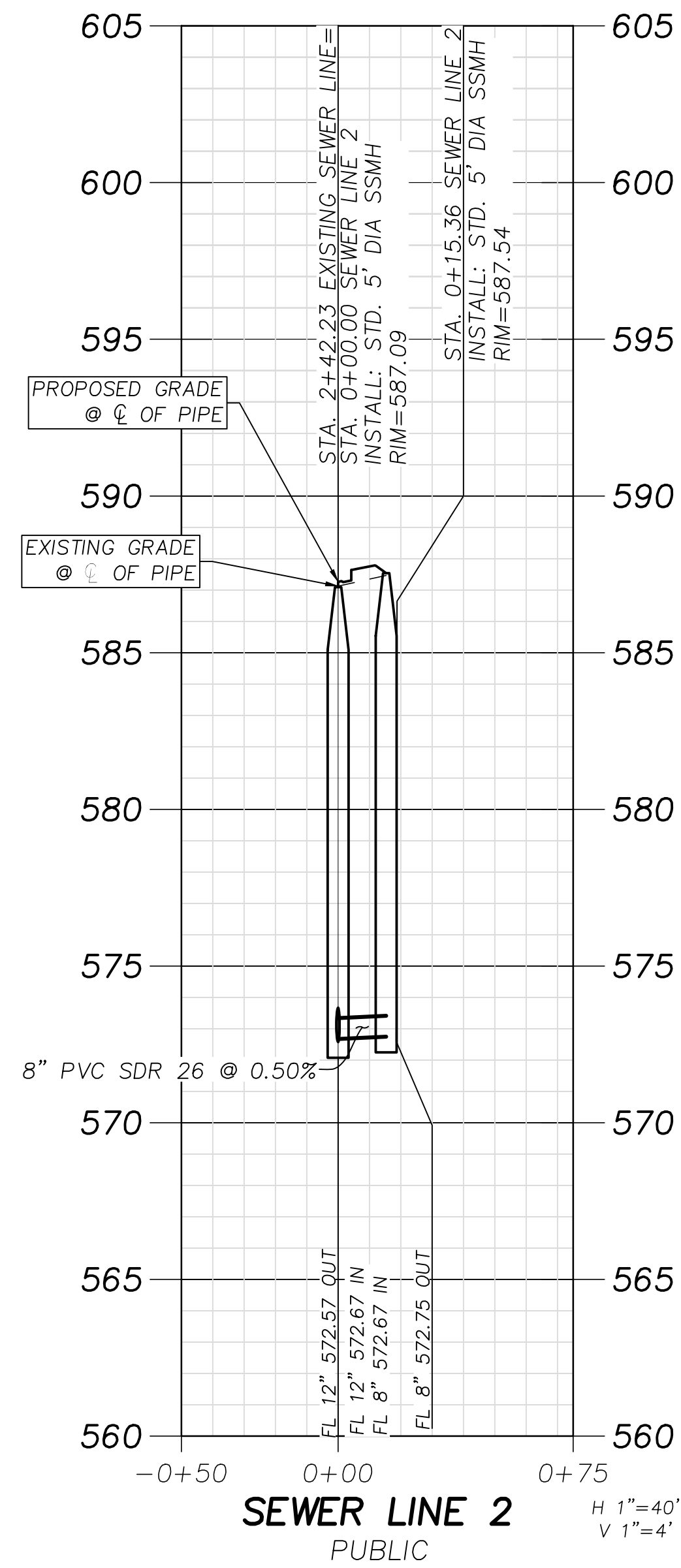
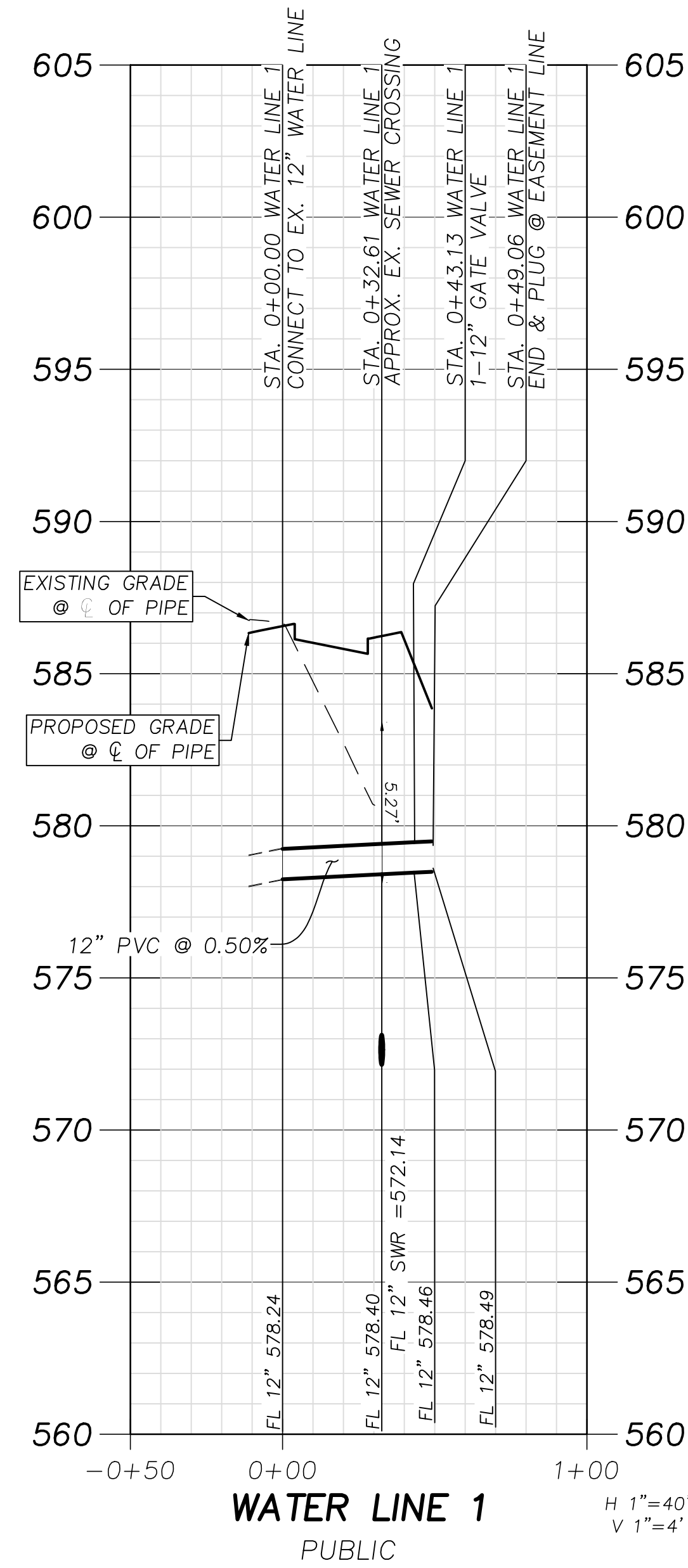
- NOTES:**
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 2. CONTRACTOR TO FIELD VERIFY HORIZONTAL & VERTICAL LOCATION OF EX. UTILITIES PRIOR TO CONSTRUCTION.

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Will Winkelmann
WINKELMANN AND ASSOCIATES, INC.

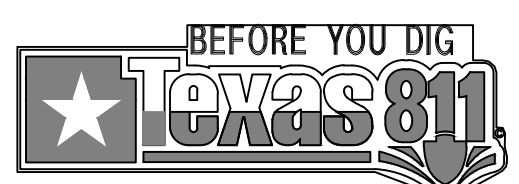
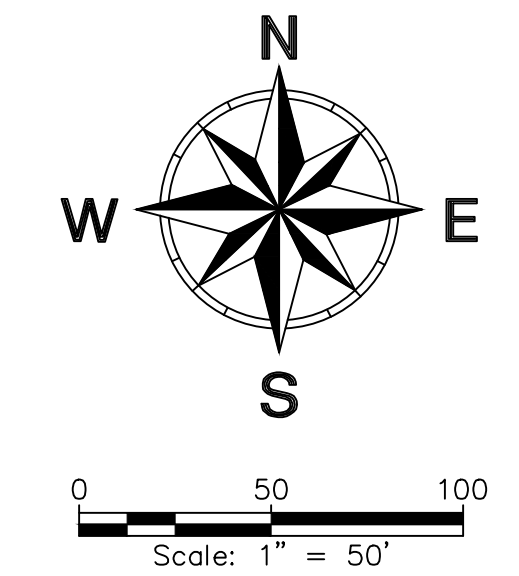
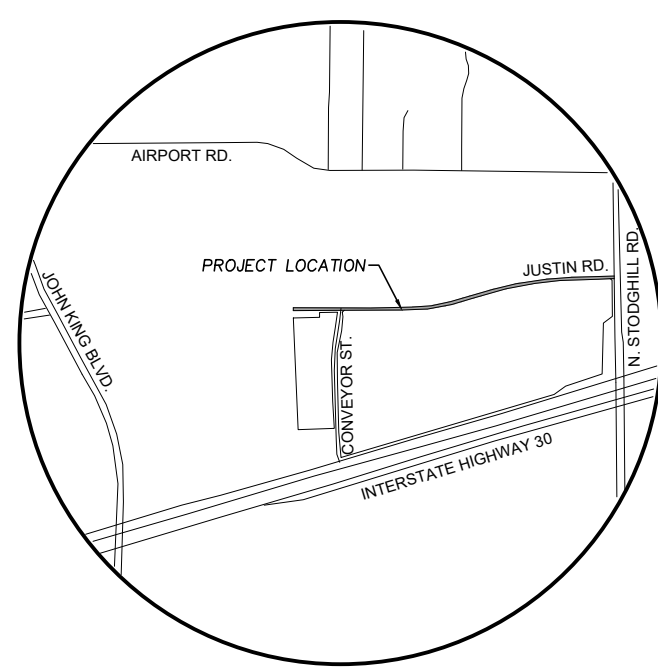
04-14-2026
DATE



SEWER PROFILES (1)
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

C-06.03

No.	DATE	REVISION	APPROV.
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- SIGNING/MARKING LEGEND**
- ① BROKEN WHITE LANE LINE-BUTTONS
 - ② TURN LANE LINE/WIDE WHITE LINE-BUTTONS
 - ③ STANDARD WHITE PAVEMENT ARROW
 - ④ INSTALL 24" STOP BAR MARKING

- LIGHTING LEGEND**
- EX. 2" CONDUIT (SCHD 80)
 - PROP. 2" CONDUIT (SCHD 40)
 - ☀ PROP. STREET LIGHT WITH DUAL ARMS

- ABBREVIATION LEGEND**
- | | |
|-----------------------|-------------------------------|
| PP Power Pole | IRF Iron Rod Found |
| GW Guy Wire | IRS Iron Rod Set |
| MH Manhole | IRS Iron Rod Set w/ cap "WAI" |
| WV Water Valve | CIRF Iron Rod Found w/ cap |
| TP Telephone Pedestal | XCS "X" Cut in Concrete Set |
| WM Water Meter | XCF "X" Cut in Concrete Found |
| FH Fire Hydrant | PKF PK Nail Set |
| LP Light Pole | PKNF PK Nail Found |
| IV Irrigation Valve | SS Sanitary Sewer |
| CO Clean Out | SW Storm Sewer |
| AC Air Conditioner | TF Transformer pad |
| TV Cable Box | GM Gas Meter |
| SB Signal Box | GMK Gas Marker |
| SP Signal Pole | TSN Traffic Sign |
| SN Sign | UCG Underground Cable Marker |
| CM Control Monument | EB Electric Box |
| | EM Electric Meter |

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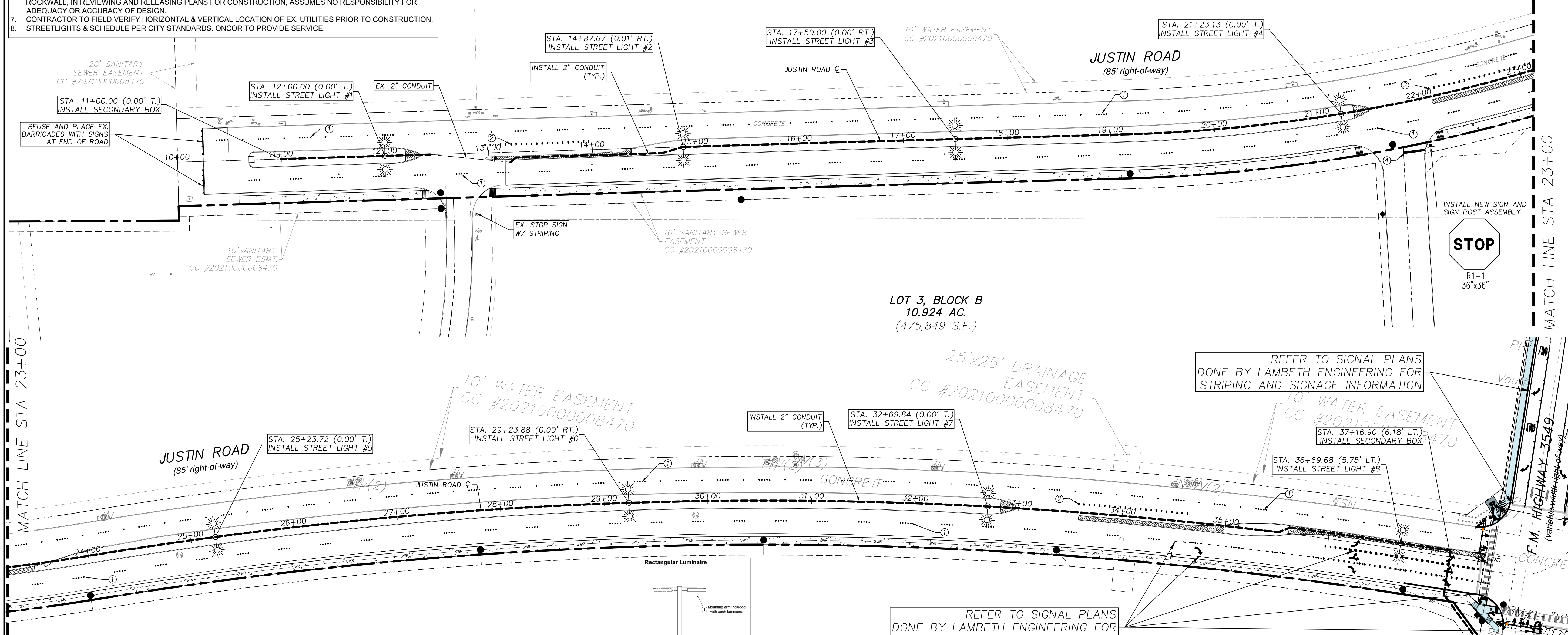
- BENCH MARKS:**
- BM#1 - "X" cut on the most Westerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±18.0 feet East of the East property line of Tract 2 and ±5.1 feet North of the North property line of Tract 2.
ELEVATION - 605.81 feet
- BM#2 - "X" cut on the most Northerly Northwest corner of a curb inlet, West curb line of F.M. Highway 3549, ±81.2 feet East of the East property line of Tract 2 and ±27.3 feet North of the South property line of Tract 2.
ELEVATION - 593.26 feet
- BM#3 - "X" cut on the most Northerly Northwest corner of a curb inlet, North curb line of Interstate Highway 30 (service road), ±10.9 feet South of the South property line and ±33.8 feet Northeast of the most Southerly Southwest corner of Tract 2.
ELEVATION - 587.31 feet

AS-BUILT

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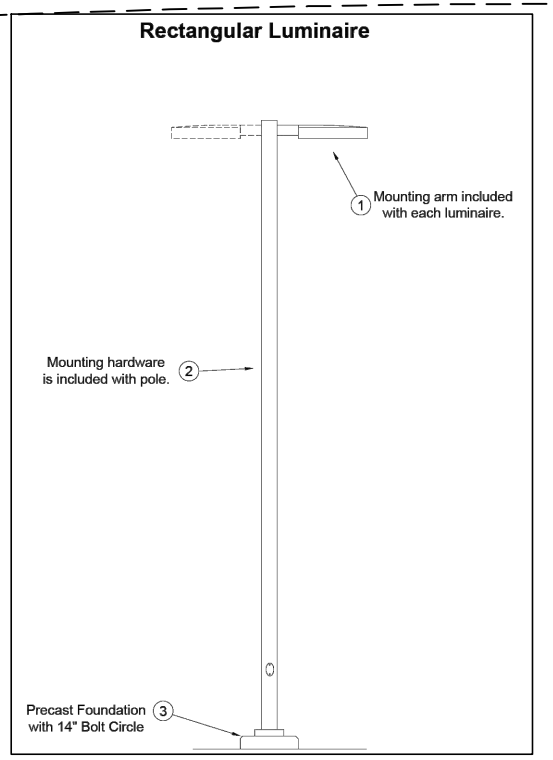
Will Winkelmann
WINKELMANN AND ASSOCIATES, INC. DATE 04-14-2026

- NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ANY SIGNS AND COORDINATION WITH THE OWNER ON ANY NECESSARY MODIFICATIONS.
 - BROKEN WHITE LANE LINE SHALL BE INSTALLED PER THE CITY OF ROCKWALL'S STANDARD DETAIL R-2320
 - TURN LANE LINE/WIDE WHITE LANE SHALL BE INSTALLED PER THE CITY OF ROCKWALL'S STANDARD DETAIL R-2320
 - MARKINGS SHALL BE INSTALLED PER THE CITY OF ROCKWALL'S STANDARD DETAILS R-2340 THROUGH R-2380
 - STOP BAR STRIPING SHALL BE THERMOPLASTIC WITH A MINIMUM THICKNESS OF 100 MILS.
 - 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.
 - CONTRACTOR TO FIELD VERIFY HORIZONTAL & VERTICAL LOCATION OF EX. UTILITIES PRIOR TO CONSTRUCTION. STREETLIGHTS & SCHEDULE PER CITY STANDARDS. ONCOR TO PROVIDE SERVICE.



SUMMARY OF ROADWAY ILLUMINATION ASSEMBLY

LPID	ITEM DESCRIPTION	STATION	OFFSET	DRILL SHAFT LENGTH	POLE HEIGHT
#1	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	12+00.00	0.0	5.5 FEET	30 FEET
#2	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	14+87.67	0.0	5.5 FEET	30 FEET
#3	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	17+50.00	0.0	5.5 FEET	30 FEET
#4	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	21+23.13	0.0	5.5 FEET	30 FEET
#5	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	25+23.72	0.0	5.5 FEET	30 FEET
#6	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	29+23.88	0.0	5.5 FEET	30 FEET
#7	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	32+69.84	0.0	5.5 FEET	30 FEET
#8	LED, Luminaire, Rectangular, 56-100 W, TYPEIII, 120-277 V, TSN REF 902650, CU LEDR100.	36+69.68	5.75 LT	5.5 FEET	30 FEET



QUANTITY: 8

Square Pole, Bronze Steel, Anchor Base with Mounting Hardware	213-121
Precast Foundation	213-122
Grounding	213-020
Fusing	213-025

No.	DATE	REVISION	APPROVAL
5.			
4.			
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2.			
1.			

Winkelmann & Associates, Inc.

CONSULTING CIVIL ENGINEERS • SURVEYORS

6750 HILGREET PLAZA DRIVE, SUITE 215
ROCKWALL, TEXAS 75087
Phone: 972-960-7090
Fax: 972-960-7098
Texas Engineers Registration No. 89
Texas Surveyors Registration No. 107866-00
Contractor # 2026, Measurement # 10222222, Inc.

02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

STREET LIGHT AND STRIPING PLAN

I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

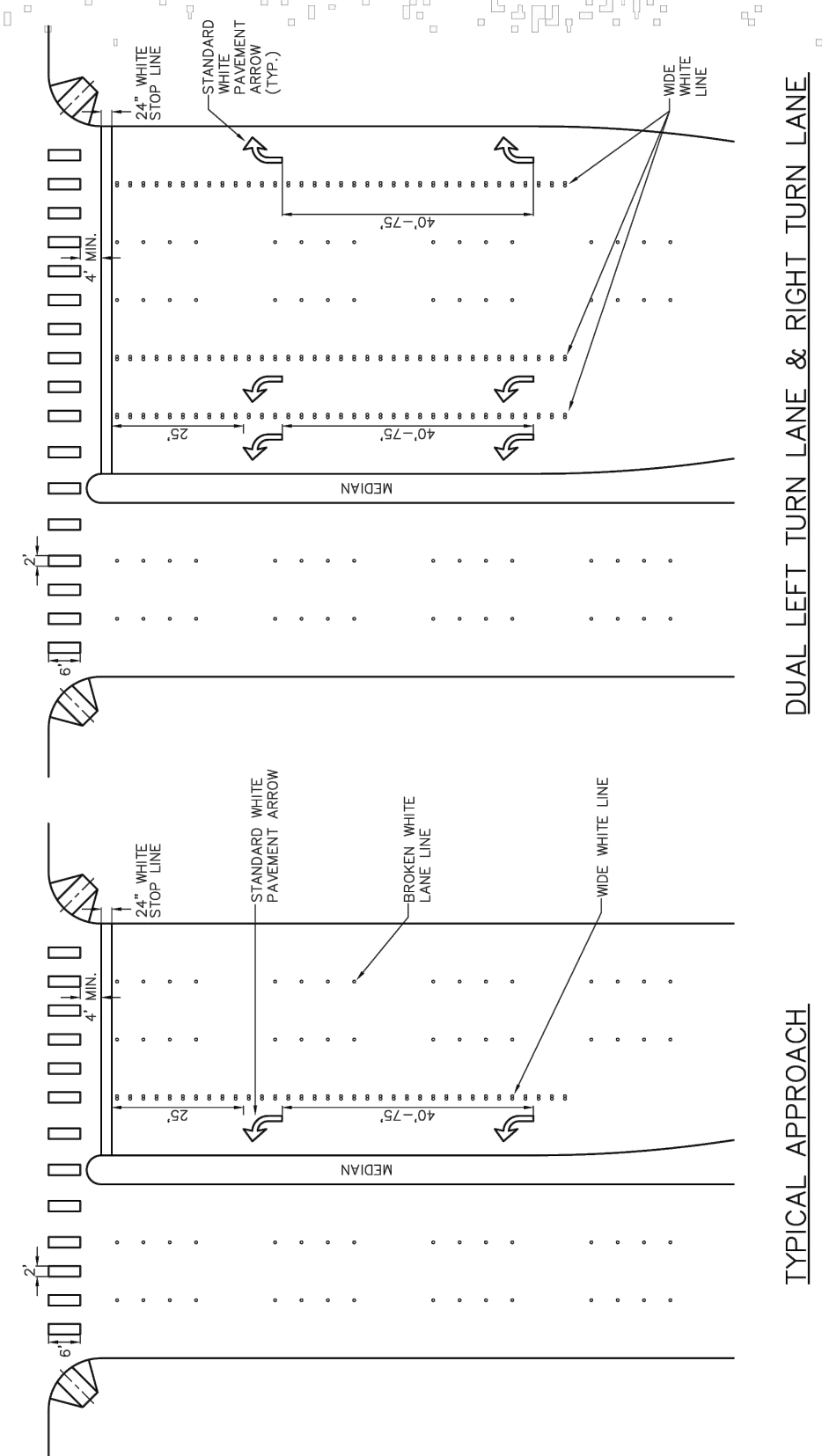
C-07.00

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 HYDRATED LIME CEMENT. LABORATORY TESTS WILL BE PERFORMED TO DETERMINE THE AMOUNT OF LIME OR CEMENT TO USE.

PAVEMENT SYSTEMS
GENERAL NOTES

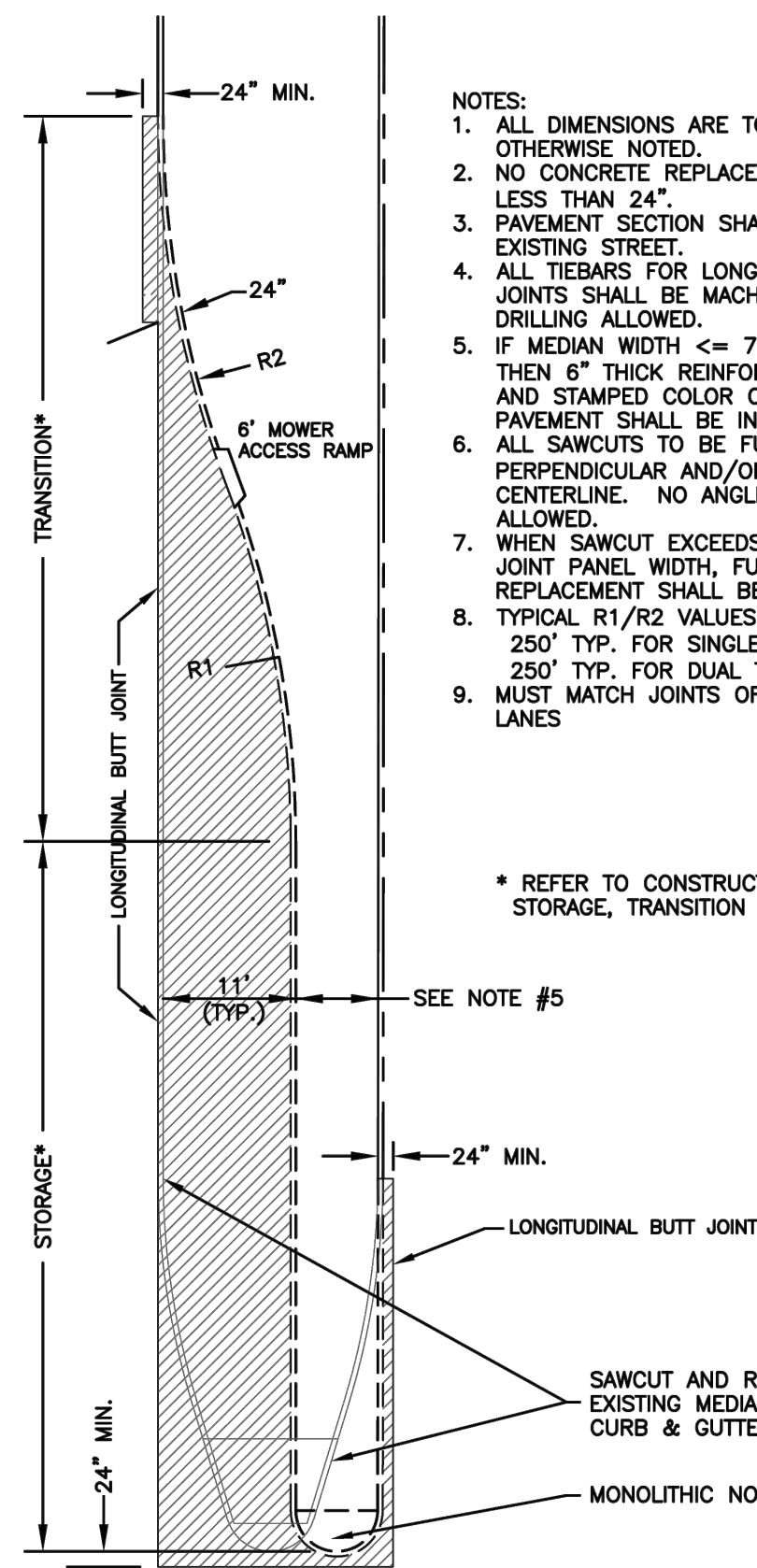
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE: 302.303
DATE: Mar. 2018
STANDARD DRAWING NO.: R-2190



RAISED PAVEMENT MARKINGS
INTERSECTION APPROACH

CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE:
DATE: Mar. 2018
STANDARD DRAWING NO.: R-2340

*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.



- NOTES:
1. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
 2. NO CONCRETE REPLACEMENT WIDTH SHALL BE LESS THAN 24".
 3. PAVEMENT SECTION SHALL MATCH THAT OF EXISTING STREET.
 4. ALL TIERS FOR LONGITUDINAL CONSTRUCTION JOINTS SHALL BE MACHINE DRILLED. NO HAND DRILLING ALLOWED.
 5. IF MEDIAN WIDTH <= 7' (FACE TO FACE) THEN 6" THICK REINFORCED INTEGRAL STAINED AND STAMPED COLOR CONCRETE MEDIAN PAVEMENT SHALL BE INSTALLED.
 6. ALL SAWCUTS TO BE FULL DEPTH AND EITHER PERPENDICULAR AND/OR PARALLEL WITH STREET CENTERLINE. NO ANGLED OR CURVED SAWCUTS ALLOWED.
 7. WHEN SAWCUT EXCEEDS HALF OF CONSTRUCTION JOINT PANEL WIDTH, FULL PANEL REMOVAL AND REPLACEMENT SHALL BE REQUIRED.
 8. TYPICAL R1/R2 VALUES: 250' TYP. FOR SINGLE TURN LANE 250' TYP. FOR DUAL TURN LANE
 9. MUST MATCH JOINTS OF ADJACENT TRAFFIC LANES

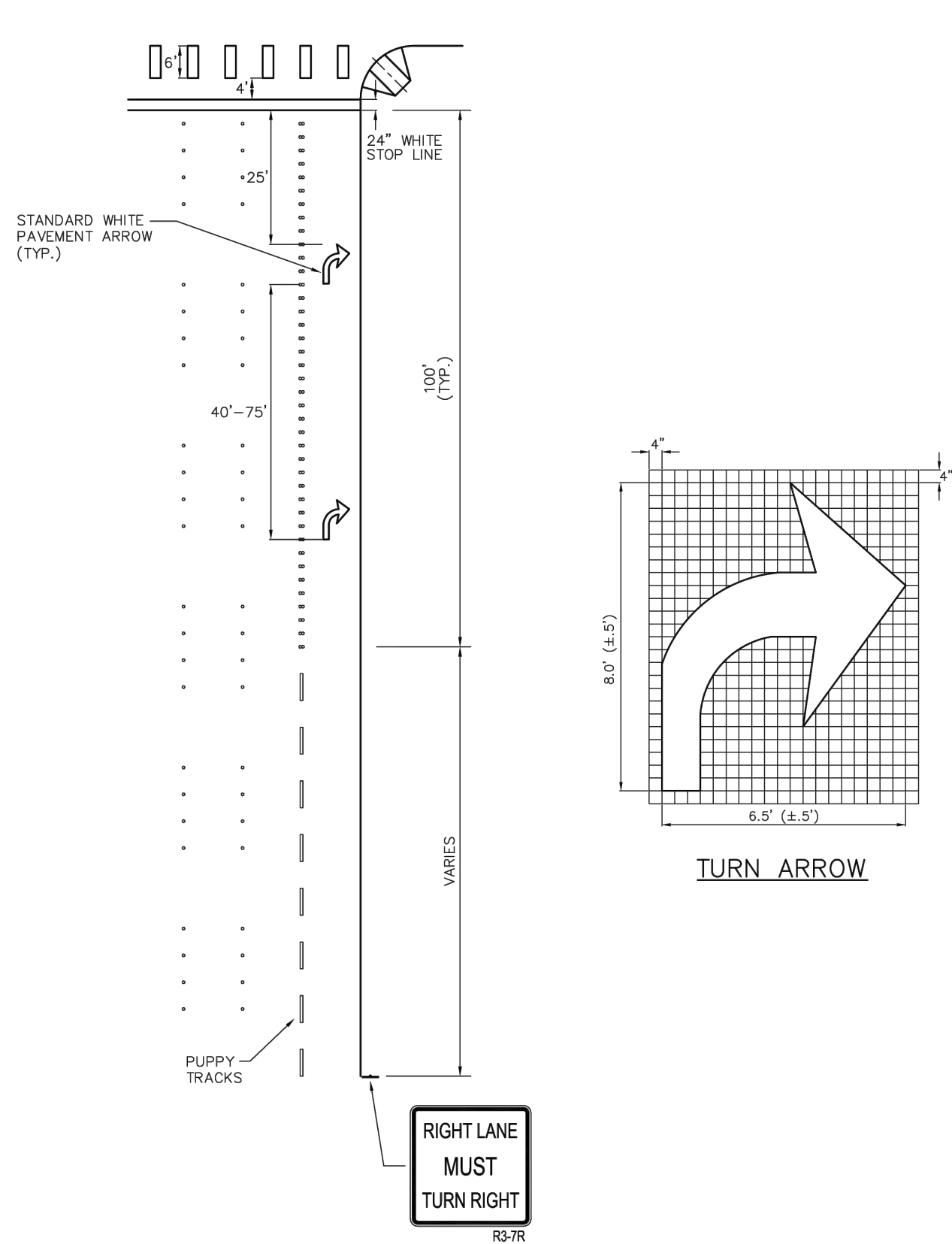
* REFER TO CONSTRUCTION DRAWINGS FOR STORAGE, TRANSITION AND RADII DIMENSIONS.

LEFT TURN LANE

CITY OF ROCKWALL

CONCRETE REMOVAL & REPLACEMENT

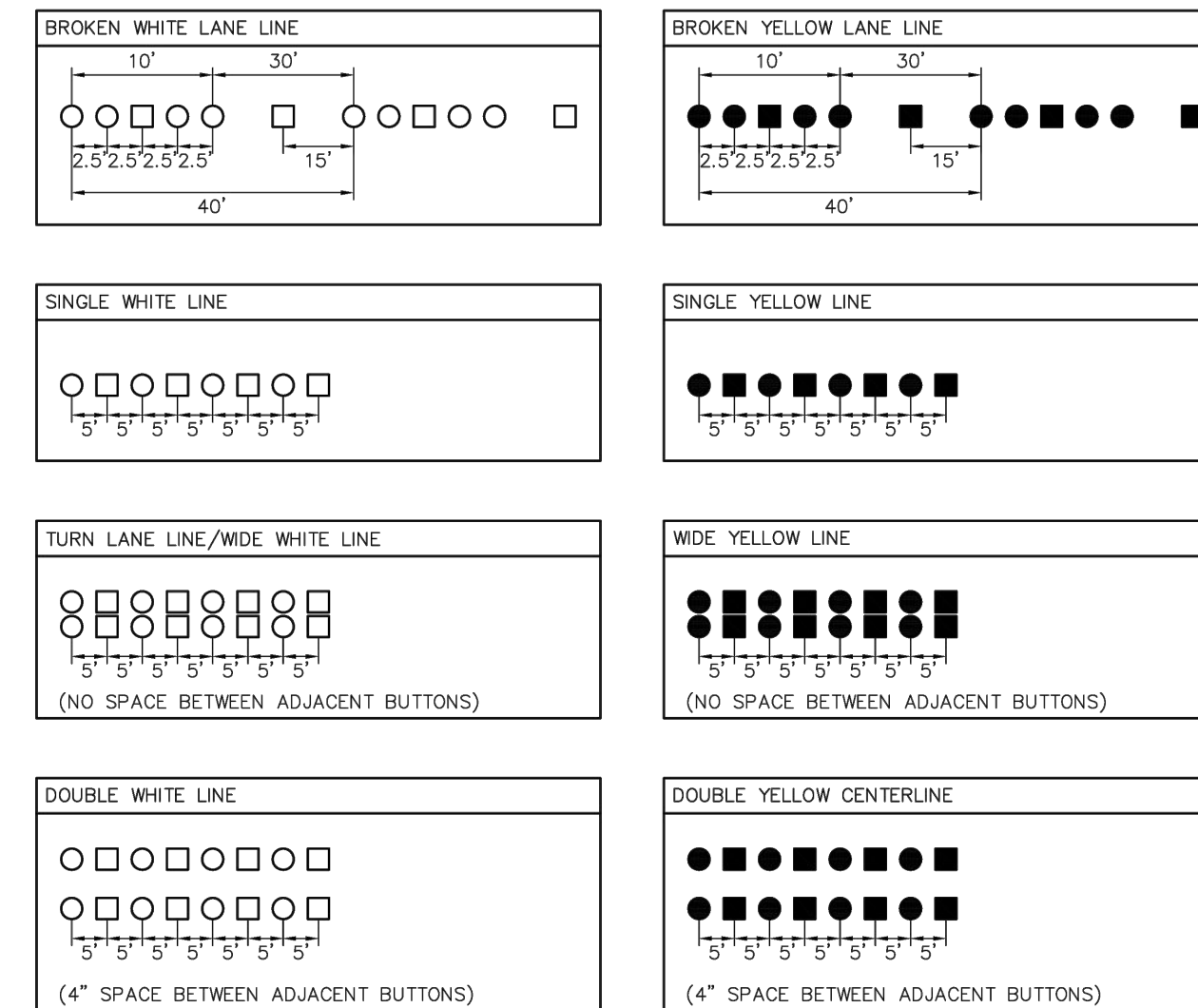
DATE: AUG. '19
DRAWING NO.: R-2270



TYPE C INTERSECTION
RIGHT LANE DROP MARKINGS

CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE:
DATE: Mar. 2018
STANDARD DRAWING NO.: R-2350

*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.



- NOTES:
- UNLESS OTHERWISE NOTED, THE FOLLOWING BUTTON TYPES SHALL BE USED:
- = 4" ROUND YELLOW CERAMIC NON-REFLECTIVE BUTTON
 - = 4" SQUARE YELLOW/YELLOW ACRYLIC REFLECTIVE BUTTON
 - = 4" ROUND WHITE CERAMIC NON-REFLECTIVE BUTTON
 - = 4" SQUARE CLEAR/RED ACRYLIC REFLECTIVE BUTTON

RAISED PAVEMENT MARKINGS

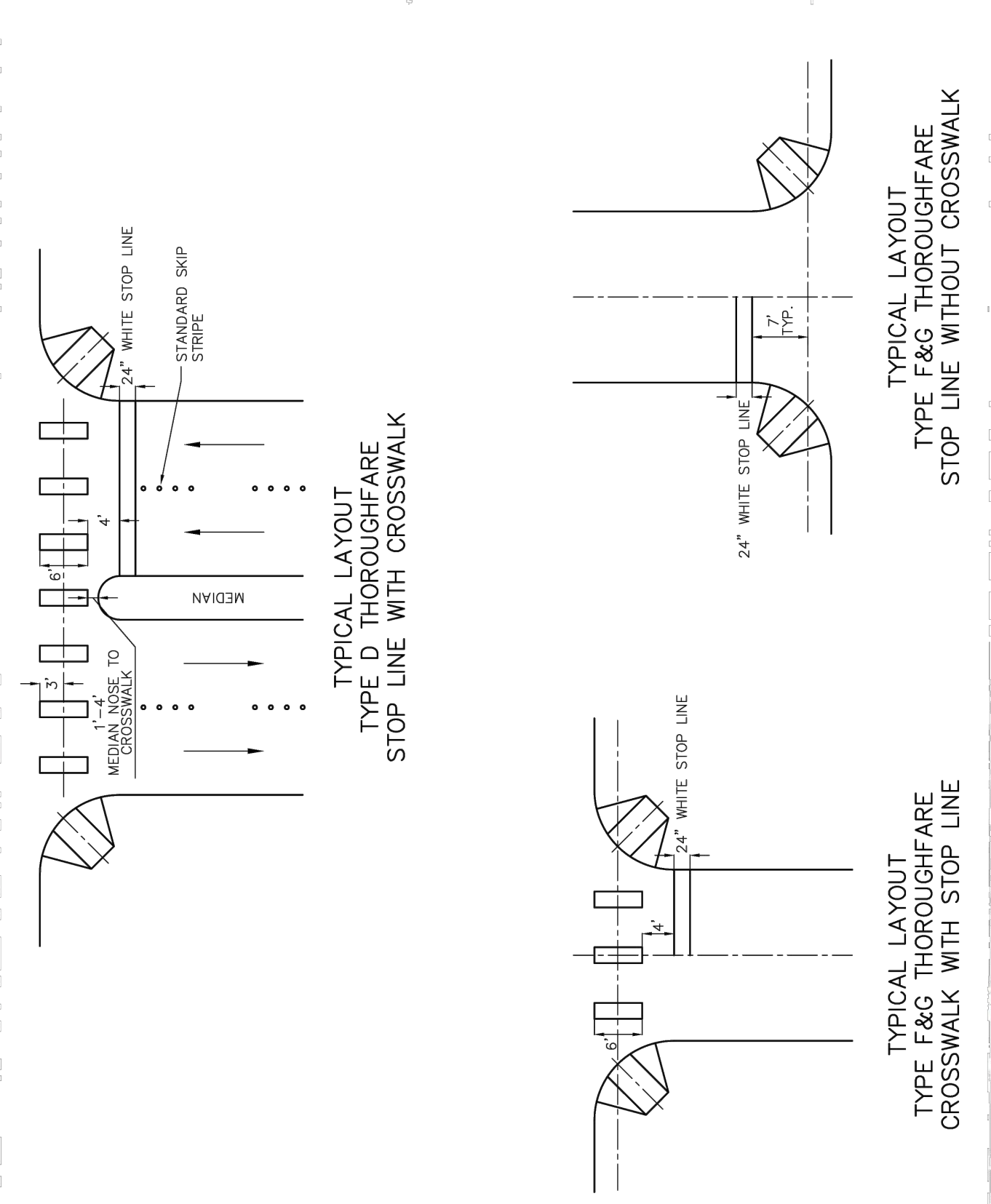
CITY OF ROCKWALL

STANDARD SPECIFICATION REFERENCE:

LANE LINES

DATE: Mar. 2018
STANDARD DRAWING NO.: R-2320

*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.



TYPICAL THOROUGHFARE
LAYOUTS

CITY OF ROCKWALL

STANDARD SPECIFICATION REFERENCE:
DATE: Mar. 2018
STANDARD DRAWING NO.: R-2360

*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.

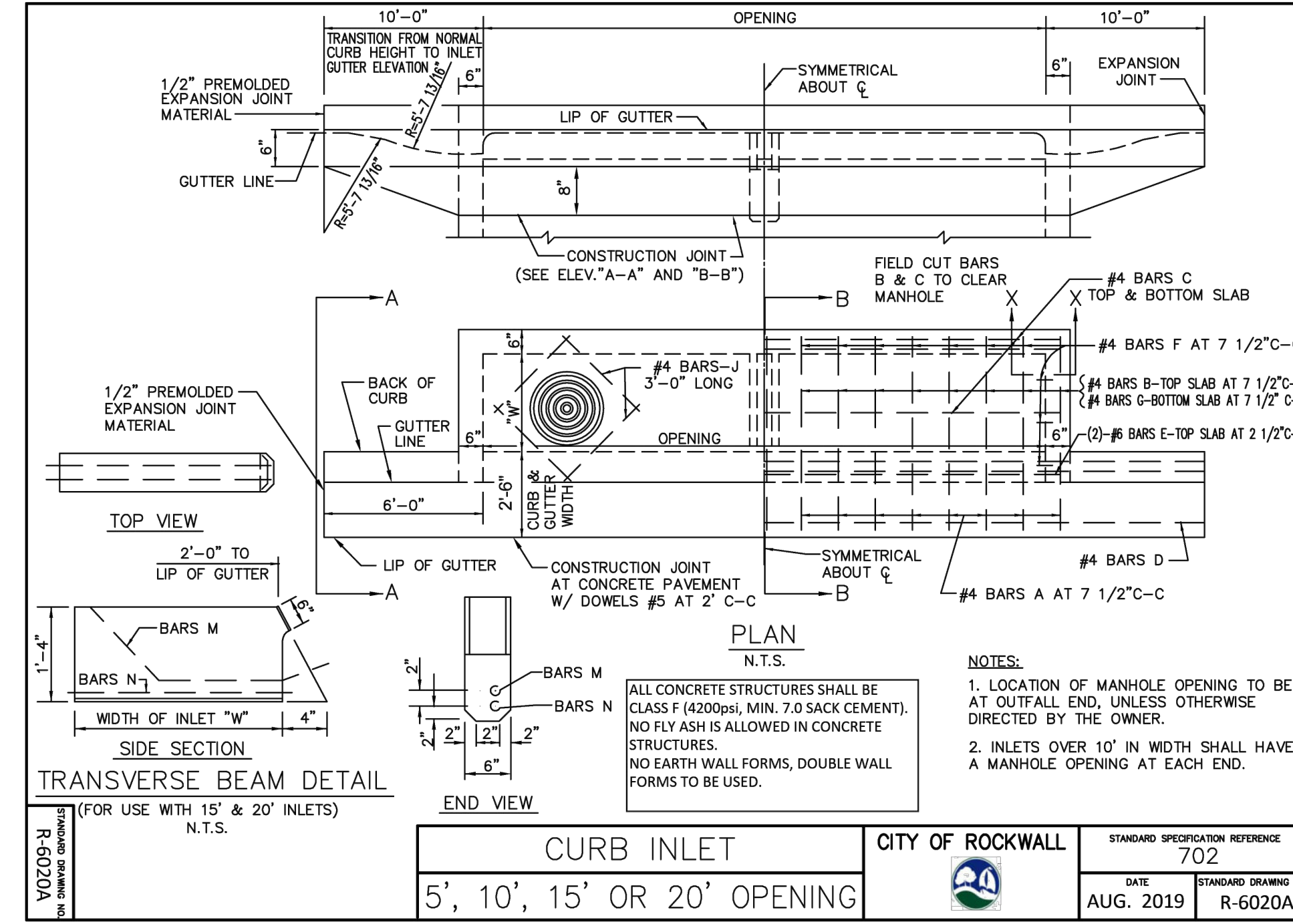
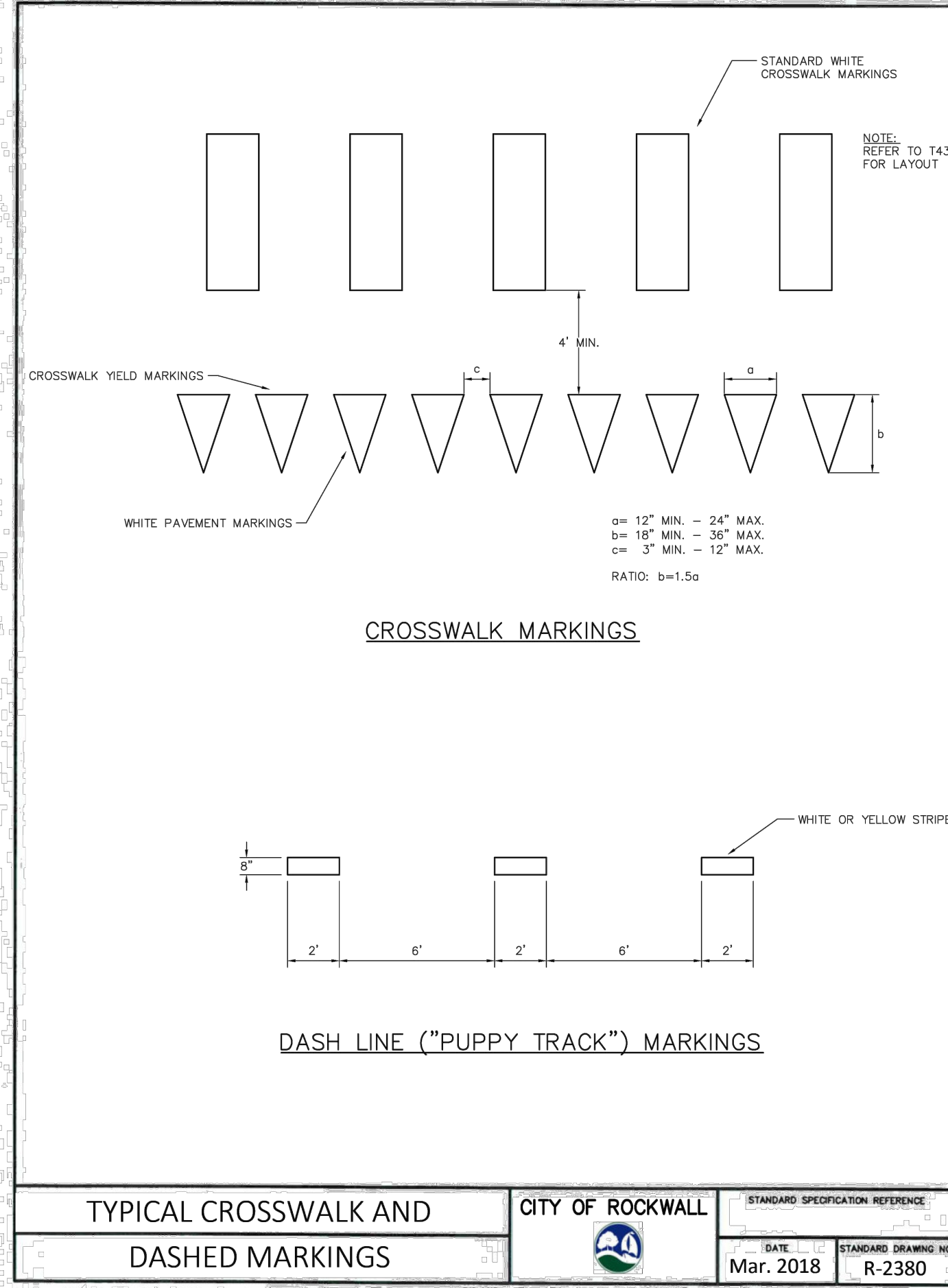
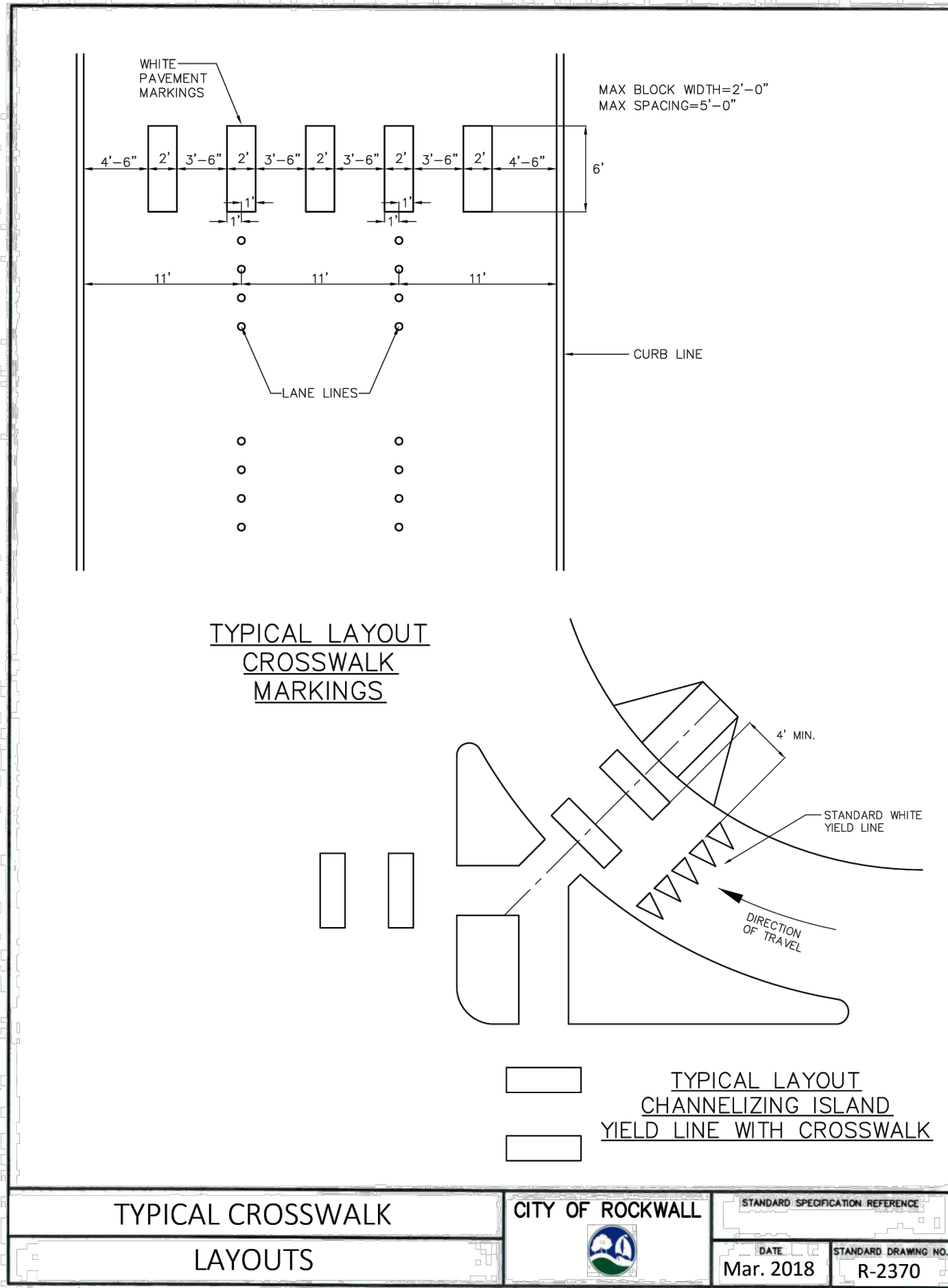
No.	DATE	REVISION	APPROVAL
5.			
4.			
3.			
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1.			

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS • SURVEYORS
6750 HILGREET PLAZA DRIVE, SUITE 215
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www.winkelmann.com
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Contract # 1524, Williamson & Associates, Inc.

STATE OF TEXAS
WILLIAM R. WINKELMANN
120378
02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

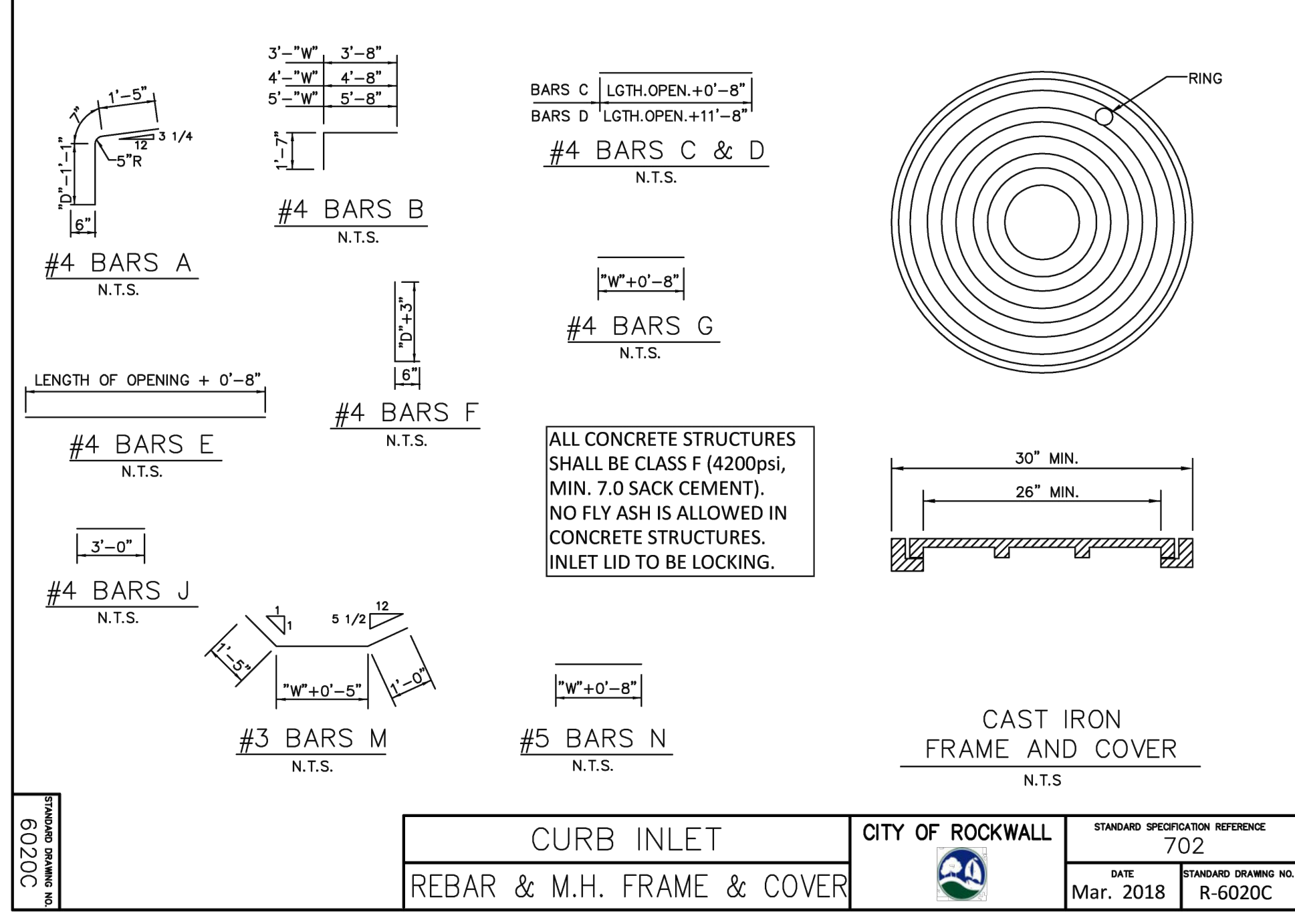
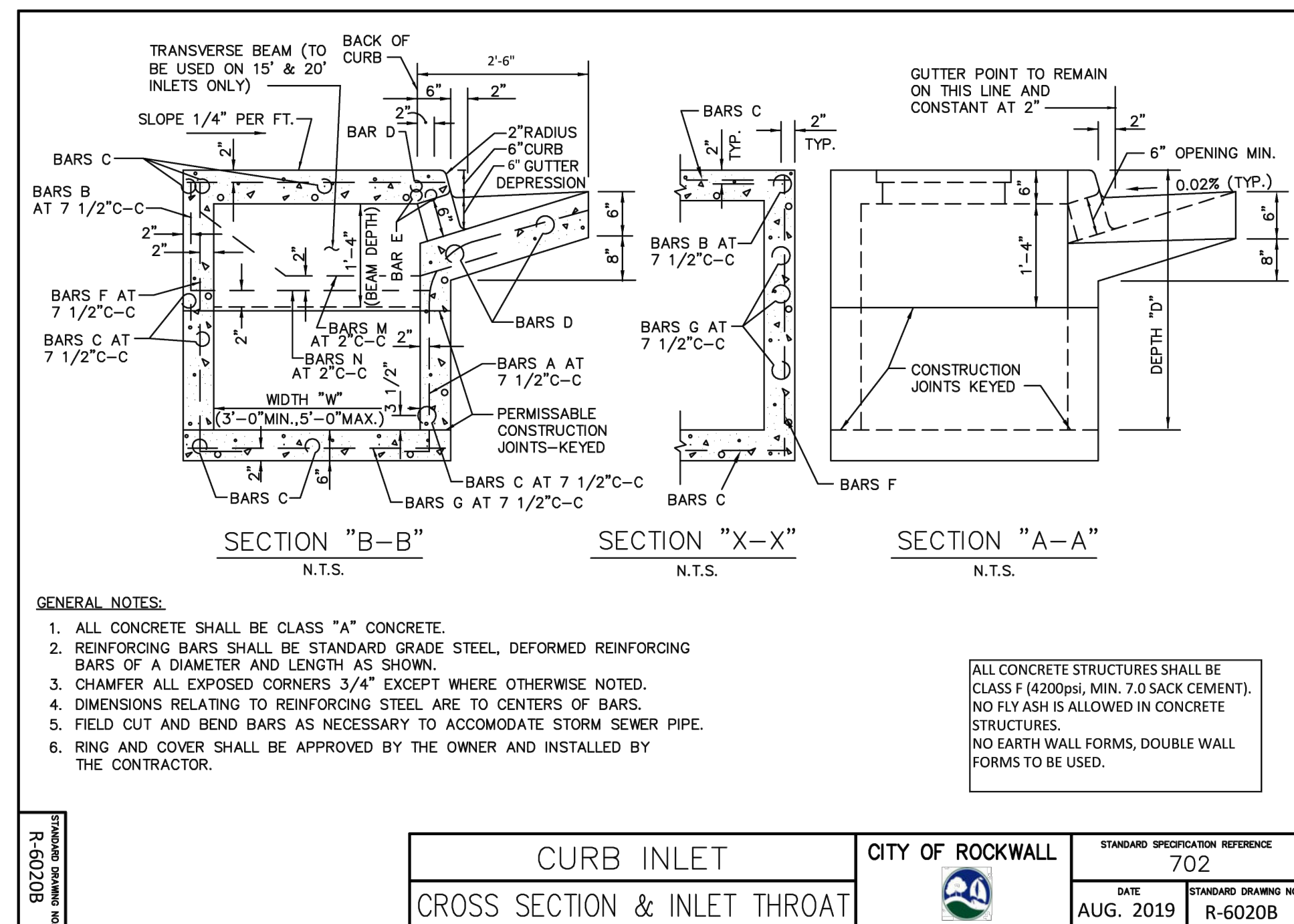
CITY DETAILS (3)
I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX
JUSTIN ROAD EXTENSION

C-09.02

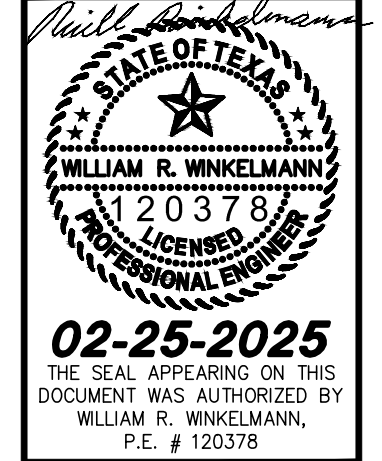


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NO.	DATE	REVISION	APPROVAL
5.			
4.			
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2.			
1.			



CITY DETAILS (4)

I-30 FRONTAGE RD & FM 3549
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