



AGENDA

PLANNING AND ZONING SPECIAL MEETING

JULY 20, 2023 @ 7:00 P.M.

Notice is hereby given: the Planning and Zoning Commission for the City of Parker will hold a Meeting on Thursday, July 20, 2023, at 7:00 P.M. at Parker City Hall, 5700 E. Parker Road, Parker, Texas 75002. The meeting will be open to the public and live streamed.

Pursuant to Texas Government Code § 551.127, notice is given that it is the intent of the Planning and Zoning Commission that a quorum of the Commission will be physically present for the above-referenced meeting at Parker City Hall, 5700 E. Parker Road, Parker Texas. Some Commissioners or City employees may participate in this meeting remotely by means of video conference call in compliance with state law.

CALL TO ORDER – Roll Call and Determination of a Quorum

PLEDGE OF ALLEGIANCE

AMERICAN PLEDGE: I pledge allegiance to the flag of the United States of America; and to the republic for which it stands, one nation under God, indivisible with liberty and justice for all.

TEXAS PLEDGE: Honor the Texas flag; I pledge allegiance to thee, Texas, one state under God, one and indivisible.

PUBLIC COMMENTS The Commission invites any person with business before the Commission to speak. No formal action may be taken on these items at this meeting. Please keep comments to 3 minutes.

INDIVIDUAL CONSIDERATION ITEMS

1. CONSIDERATION OF AND/OR ANY APPROPRIATE ACTION ON PANORAMA STREET PRELIMINARY PLAT, SITUATED IN THE PHILLIP ANDERSON SURVEY, ABSTRACT NO. 10 CITY OF PARKER, COLLIN COUNTY, TEXAS. [MACHADO]

ROUTINE ITEMS

FUTURE AGENDA ITEMS

ADJOURN

In addition to any specifically identified Executive Sessions, the Planning and Zoning Commission may convene into Executive Session at any point during the open meeting to discuss any item posted on this Agenda. The Open Meetings Act provides specific exceptions to the requirement that a meeting be open. Should Commission elect to convene into Executive Session, those exceptions will be specifically identified and announced. Any subsequent action, as a result of this Executive Session, will be taken and recorded in open session.

I certify that this Notice of Meeting was posted on or before July 14, 2023, by 5:00 p.m. at the Parker City Hall, and required by Texas Open Meetings Act (TOMA) is also posted to the City of Parker Website at www.parkertexas.us.

Date Notice Removed

Patti Scott Grey
City Secretary

The Parker City Hall is Wheelchair accessible. Sign interpretations or other special assistance for disabled attendees must be requested 48 hours in advance by contacting the City Secretary's Office at 972 442 6811.



Agenda Item

Budget Account Code:	Meeting Date: See above.
Budgeted Amount:	Department/ Requestor: P&Z Commission
Fund Balance-before expenditure:	Prepared by: ACA/CS Scott Grey for Public Works Director Gary Machado
Estimated Cost:	Date Prepared: July 14, 2023
Exhibits:	<ol style="list-style-type: none"> 1. City Engineer John Birkhoff's letter, dated July 13, 2023 2. 2023.06.27_Panorama Street_Full Set 3. Panorama Street Preliminary Plat 4. Panorama Street Preliminary Plat App Notarized 06.28.2023 5. Metes & Bounds 6. 2022 Tax Certificate 7. Scan of Fee Check 8. 2023.06.27_Preliminary Plat App to City of Parker

AGENDA SUBJECT

CONSIDERATION OF AND/OR ANY APPROPRIATE ACTION ON PANORAMA STREET PRELIMINARY PLAT, SITUATED IN THE PHILLIP ANDERSON SURVEY, ABSTRACT NO. 10 CITY OF PARKER, COLLIN COUNTY, TEXAS. [MACHADO]

SUMMARY

Please review the information provided for Panorama Street Preliminary Plat, situated in the Phillip Anderson Survey, Abstract No. 10 City of Parker, Collin County, Texas.

POSSIBLE ACTION

Planning and Zoning (P&Z) Commission may direct staff to take appropriate action.

Inter – Office Use			
Approved by:	Enter Text Here		
Department Head/ Requestor:	<i>Patti Scott Grey</i>	Date:	07/14/2023
City Attorney:	<i>Amy J. Stanphill</i>	Date:	07/14/2023 via Municode
Public Work Director	<i>Gary Machado</i>	Date:	07/14/2023

BIRKHOFF, HENDRICKS & CARTER, L.L.P.

PROFESSIONAL ENGINEERS

11910 Greenville Ave., Suite 600

Dallas, Texas 75243

Phone (214) 361-7900

www.bhcllp.com

JOHN W. BIRKHOFF, P.E.
 GARY C. HENDRICKS, P.E., R.P.L.S.
 JOE R. CARTER, P.E.
 ANDREW MATA, JR., P.E.

DEREK B. CHANEY, P.E., R.P.L.S.
 CRAIG M. KERKHOFF, P.E., CFM
 JUSTIN R. IVY, P.E.
 COOPER E. REINBOLD, P.E.

July 13, 2023

Mr. Gary Machado
 City of Parker
 5700 E. Parker Rd.
 Parker, Texas 75002

Re: Panorama Street
 Preliminary Plat and Engineering Plan Review

Dear Mr. Machado:

As you requested, we have reviewed the Preliminary Plat & Engineering Plans for the Panorama Street Addition prepared by LJA Engineering, Inc. These documents include a new street and is therefore considered a major subdivision under section 155.025 of subdivision ordinance.

Our review of the documents is for general compliance with the City of Parker's development requirements and good engineering practice and does not relieve the engineer of record of his responsibilities under the Texas Engineering Practice Act. Listed below are our review comments.

Adherence to Subdivision Ordinance:

1. 155.049 (B)(1)(b) Requires two means of access, a divided street or provisions to connect to future street extension. This has not been addressed for City action.
2. 155.049 (B)(2) All platted lots to be connected to water line, looped system. A water line is required along the roadway with provision to connect to extension of the water system.
3. 155.049(4) Drainage cannot adversely affect a joining property. Elevated roadway causes potential to back up water to property to the west. No channel design data proved to show water will not back up. Property to the east water is concentrated and not designed for overflow to pass through the adjoining property.
4. 155.049(D) (2) boundary iron pins must be 1 inch in diameter and have a length of 18 inches.
5. 155.049(F) No permanent benchmark is included in the design plans. Details of the benchmark are called for in this section of the subdivision ordinance.
6. 155.052(C)(4) Gregory Lane is required to be upgraded adjacent to this tract.
7. 155.052(18)(C)(b) Street sign is required at Gregory and Panorama. Section 155.052(18)(a) requires the name to be approved by City P&Z.
8. 155.052(C)(13) Reserve strip is not allowed. Strip west side of ROW is not allowed.
9. 155.052(D) The reserve strip west of shown ROW must be Right of way and a drainage channel is required to be designed to convey storm water to point of concentration. Required water line will need to be in the right of way. Place the water line on the east side of shown Right of way.
10. 155.057 Private easement for electrical service (streetlights) is required.
11. 155.052 (15)(a) Streets shall be related approximately to the topography grade and shall conform to as closely as possible to the original topography. The elevated roadway is not acceptable.
12. 155.052(15)(b) Plans must show design speed for the vertical curves.

13. 155.054(A)(1) Provide source and calculations that established the 100-year water surface. Maxwell Creek to the east is a studied reach.
14. 155.054(A)(4) Provide calculations that roadway ditch in Gregory has adequate capacity and free board based on adding additional storm water to this channel. Improve the channel until capacity and freeboard can be achieved. Maxwell Creek is to the east of the proposed improvements.
15. 155.054(B)(1) Provide details of outlet structure that is designed for the 2, 25, 50 and 100 year storm. Include the structural details for a V-notch or stepped weir.
16. 155.054(B)(6) Provide maintenance plan for the retention pond. Address aquatic growth, silt removal plan, mosquito control mowing plan and permanent erosion control measures.
17. 155.051 Provide photometrics for street lights proposed and details for shield to keep light from adjoining properties.
18. 155.054(A)(3)(d) Include in erosion control methods requirements of this section of the subdivision ordinance including watering and fertilizing schedule.
19. 155.027(f)(v) Provide method to undercut rock if encountered place topsoil to establish vegetation.
20. 155.052 (17) Cul de Sac streets shall not be longer than 600 feet. The length of this street exceeds this requirement.

General Comments and Good Engineering Practice

21. Include in all reference to City standard “North Central Council of Governments Texas Standard Specifications for Public Works Construction”.
22. Sheet numbering references 35 sheets, but there are 39 sheets in the set of plans.
23. Sheet 1 add Note 5 for contractor to notify the City and City Inspector of all construction activities with a weekly look ahead.
24. Preliminary Plat needs to include all easements by plat and not by separate instruments.
25. Provide Lot and Block Number, appears it would be Block 1 Lot 1.
26. Call out Gregory Lane as a Private Road.
27. Call out Retention Ponds as North Retention Pond and South Retention Pond (throughout plan set).
28. The Collin County Municipal Utility District No. 7 does not exist. Remove reference from plat.
29. Sheet 4 Provide details of new fences being proposed. Add note how to protect livestock when existing fences are removed.
30. Provide TCEQ documents for the plugging of the water well. Provide notes to the method and requirements for the plugging of the water well.
31. Sheet 5 The contours do not reflect the roadway cross section. The 6-inch curbs are missing.
32. Sheet 5 All structural designs must be included in the construction plans. Your note by others is not acceptable. Designs must be completed by a Professional Engineer licensed in the State of Texas and be part of this set of construction plans.
33. Sheet 8 In order for lime treatment to be permanent you must specify optimum lime. Include in note to run lime series testing every 150 feet, adjust application rate and provide all test reports to the city inspector as the process proceeds.
34. Sheet 9 Do not taper reinforced concrete to zero, at return to Gregory, as it will prematurely fail. Cut into Asphalt 18 inches and have an 18-inch-wide section to end to the pavement section. Fill between existing asphalt pavement and new concrete (transition section) with minimum 6 inches of asphalt (Type D) mechanically compacted in 2-inch lifts. Alternatively butt up to existing asphalt pavement with the 18-inch-wide concrete section and then place the asphalt transition section 12 to 18 inches into Gregory.
35. Sheet 9 Taper 6-inch monolithic curb down to zero as it approaches the existing asphalt section that does not have curbs. Need to avoid a road hazard on Gregory Lane.
36. Sheet 9 the proposed grade (solid line) stops at station 16+39.72 about 30 feet short of the existing paving shown as a dashed line.
37. Sheets 11 Cross section shows trapping water and a channel. Provide the channel grade sections and capacity on the west side of the roadway.

38. Sheet 14 shows overflows from the retention ponds that discharge through property with no designed channel to reach Maxwell Creek. Positive overflow channel must be paved. Drainage easement required. Appears the North Retention pond should overflow into Gregory drainage ditch (Improved) and not through the middle of the adjacent property owner's property.
39. The storm drainage calculations show inefficiency of the system and creates a large number of inlets that are not needed. Allow run by to minimize inlets.
40. Sheet 16 The storm sewer system must be self-cleaning. In order to accomplish this a minimum of 2 feet per second must be achieved in all pipe segments.
41. Sheet 19 Eliminate bends in the storm sewer system and utilize radius pipe. Eliminate 90 degree turns in the storm sewer system.
42. Sheet 19 Provide a handrail detail for the called pedestrian rail.
43. Sheet 19 Provide depth of the rock rip rap. Include geotextile fabric as the foundation for the rip rap. Call out type of fabric proposed. Detail calls out for grouted rip rap and that will be required. Provide method for contractor to complete the grouted rip rap. Last few projects the grouting was of poor workmanship and concrete rip rap was utilized to solve the poor workmanship.
44. Sheet 19 It is unclear how the outfall of Culvert 2 conveys storm water to the existing channel as the proposed and existing contours are not tied together.
45. Sheet 19 there appears to be footers at the outfall, but no dimensions or callouts are provided.
46. Sheet 19 Culvert 2 cross section shows a curb leave out that is not called out in the plan view.
47. Sheet 20 Show depth of rip rap and geotextile fabric as foundation.
48. Sheet 20 Culvert 3 section does not correspond to what is called out in the plan view.
49. Sheet 20 Provide ASTM call out for RCP.
50. Sheet 20 Utilize radius pipe and eliminate bends.
51. Sheet 20 show footer at end of SD6.
52. Sheet 20 The call out in plan view for SD6 and Lateral 6B appear reversed to correspond with the section.
53. Sheet 21 Provide ASTM call out for RCP.
54. Sheet 21 Utilize radius pipe and not bends.
55. Sheet 21 Provide footer on headwalls.
56. Sheet 22 Utilize radius pipe and not bends. Eliminate 90-degree configuration of storm sewer.
57. Sheet 22 Call out ASTM and Class of RCP pipe.
58. Sheet 22 Provide footers on headwalls.
59. Sheet 23 Call out ASTM and class of RCP pipe.
60. Sheet 23 Utilize radius pipe and eliminate bends.
61. Sheet 23 Utilize pipe wyes and not junction boxes for inlet laterals.
62. Sheet 24 SD4 reorientate to discharge normal to the flow of the channel it discharges into.
63. Sheet 24 SD5 Eliminate bends, utilize radius pie of orientate pipe at angle out of drop inlet to pond.
64. Sheet 24 Call out ASTM and class of RCP pipe.
65. Show footers on headwalls.
66. Sheet 29 Utilize radius pipe and eliminate bends in the storm sewer pipe.
67. Sheet 29 Explain how overflow functions. How can it be lower than the 100-year water surface you are detaining?
68. Sheet 29 Show the freeboard in the elevation sections of the pond.
69. Sheet 29 Show drainage easement on adjacent tract that is required to convey flow from the overflow. Provide calculations to contain flow from overflow structure.
70. Sheet 29 Show and dimension the keyway associated with the berm being constructed.
71. Sheet 29 Provide the outlet structure for the North Pond. Vee Notch or Stepped weir must be designed for the 1, 25, 50 and 100-year storms.
72. Sheet 29 Provide the depth of the rock rip rap and the geotextile fabric foundation.
73. Sheet 30 Utilize radius pipe and eliminate pipe bends in the storm sewer pipe.
74. Sheet 30 Provide the depth of the rock rip rap and the geotextile fabric as foundation.

75. Explain how overflow functions. How can it be lower than the 100-year water surface you are detaining?
76. Sheet 30 Show the freeboard in the in the elevation sections of the pond.
77. Sheet 30 Show and dimension the keyway associated with the berm being constructed.
78. Sheet 30 Provide the outlet structure for the South Pond. Vee Notch or Stepped Weir must be designed for the 1, 25, 50 and 100-year storm.
79. Sheet 30 Outlet pipe from the pond must be normal to the receiving channel.
80. Sheet 31 Remove fire lane markings as this is a city street.
81. Sheet 31 Provide Dead End street sign at Gregory Lane, having at end of the street is too late to advise the public.
82. Sheet 31 Provide detail of sign and post. Include setting post in concrete.
83. Sheet 31 Remove no parking signs along city street.
84. Sheet 31 Provide street signs at the intersection of Gregory and Panorama. Include detail of sign and post. Set post in concrete.
85. Sheet 32 Provide in notes method to establish vegetation as set forth in subdivision comments. Provide notes on how to place curlex. Contractors without instructions continue to fail at this task.
86. Sheet 32 Provide note on what contractor is to do if they encounter rock in the excavation and how to undercut, import topsoil, compact and establish vegetation. Consider pinned solid sod on slopes.
87. Sheet 33 Acres stated in notes conflicts with Acres on plat.
88. Sheet 33 Note 5 needs to remove the engineering division and be replaced with Public Works and City Inspector.
89. Sheet 33 Provide rock check dams at outfalls from the ponds prior to flow being conveyed to adjoining property. Consider rock check dams at inlet to culverts to minimize desilting pond prior to acceptance by the city.
90. Sheet 34 Driveway approach and Street Headers at railroads do not apply. There are no driveways proposed off the street and there are no railroads in the City of Parker.
91. Sheet 36 Sloped headwall detail needs to include geotextile fabric under rock. This detail does not match what is called out in the plan set?
92. Sheet 36 Modify manhole detail to show City of Parker on manhole cover.

General Notes

93. General Note 3 include ATMOS Gas in list of franchise Utilities you want contractor to contact.
94. General Note 8 Specifically call out for repairs to the substandard street Gregory Lane and Gray Lane. Suggest you include haul route through city to this site. Include damage to Public property as part of this note.
95. General Note 11 Include that those documents be made available to the City Inspector at all times.
96. General Note 12 Include City of Parker as part of approval process for change order that change the construction plans and specifications.
97. General Note 13 Change City Engineer to City Public Works.
98. General Note 15 Remove as no buildings are being proposed.
99. General Note 20 Remove as no work is being proposed in TxDot ROW.
100. General Note 21 Add to note that City of Parker will determine damage and determine acceptability of repair method or replacement. Completed repair or replacement work shall be subject to approval of the City of Parker.
101. General Note 27 Provide the referenced Rone geotechnical report in your next submittal.
102. Paving Note 1 Include reference to North Texas Council of Governments Standard Specifications.
103. Paving Note 2 Provide the testing frequency and what test are expected to be completed. Indicate which ones the City Inspector needs to be present for.
104. Paving Note 7 Remove as there are no parking lots proposed.
105. Paving Note 10 Remove, no pavement marking on the public street is required or desired by the city.
106. Paving Note 11 Remove no sidewalks are proposed.

107. Paving Note 14 Remove no parking being provided. Construction plans show no parking signs.
108. Add to paving note timing to complete sawed dummy joints in the green concrete. Spalled sawed dummy joints will be rejected and slabs will need to be repoured. Add note that any new slabs that crack will be rejected, and new slabs will be required.
109. Grading Note 4 Revise note as no buildings are being proposed.
110. Grading Note 7 Provide the refenced Terracon geotechnical report in next submittal.
111. Grading Note 10 The plans are not clear on where fill comes from for the embankment. Provide clarification as this note requires the contractor to balance the cut and fill. The embankment requirements are unknown and if rock is encountered how does this work with the embankment.
112. Grading note 12 Modify note to remove building pads and include structural plans as called for in the plans by others.
113. Grading Note 12 Excess material excavated shall be removed from the site. Do not allow random spreading of spoil materials once design grades are established.
114. Grading Note 14 does not make sense if you are lime treating the subgrade. Lime should be used with clay material only.
115. Grading Note 16 Why would you remove rock to bring in clay material? What do the soil boring you referenced in the notes tell you what will be encountered. Most of the road you propose is in a fill section.
116. Grading Note 17 Modify note to clearly state compactive effort is my mechanical means.

Storm Sewer Notes

117. Drainage Note 2 The plans do not call out any laterals to be plugged. Why is a plumber required to plug the laterals?
118. Drainage Note 5 Revise note to include North Central Texas Council of Governments Standard Specifications for Public Works Construction.

Platting

119. 155.027 (1) (a) & 155.027 (m) Provide closure calculations.
120. 155.027 (1) (d) (3) Show all easements shown on plat. No separate instruments except for offsite easements.
121. 155.027 (i) Provide name of subdivision.
122. 155.027 (o) Entry easement required.
123. 155.027 (5) Show required waterline.

Draining Design

124. Maintenance ramps are required for all ponds. Minimum width of 10-feet with a maximum slope of 15%. Provide driveway along Panorama.
125. Standing water will create a nuisance and mosquito problem. Recommend an aerator for the retention ponds, maintained by other than the City.
126. Grading contours do not connect to existing.
127. Verify downstream capacity exists in the alignment of the proposed discharges.
128. Pond outfalls are not adequate as they are creating adverse conditions by establishing point discharge where one does not exist today. Provide a downstream assessment through the zone of influence.
129. Ponds are required to have a 10-foot crown width.
130. Install guard rail, or other safety device, where steep drop-off is proposed at the south headwall.

131. The proposed system shows submerged outlets, deeper than required. This will create large amounts of standing water in the pipes. Maintenance of the lines will be problematic for the City. Revise the design so as the system can be maintained.
132. Maximum discharge velocity is 8 feet-per-second.
133. Top of Wye Inlet on SD5 is below the normal pool elevation of the pond. The pond will drain via this inlet.
134. Clearly label what is considered the primary outlet of the ponds and the emergency.
135. A calculation summary for the pond hydrographs shall be provided on the plans. Submit a separate report to the City for review including routing calculations used to demonstrate that the stage volume and outlet structure configuration are adequate.
136. On the drainage area map, clearly show the pre-developed and post developed run-off rate at the point of discharge.
137. Cross-sections on sheets 29 and 30 are difficult to read. Provide additional detail and labels.
138. Revise the orientation of the southern retention pond to convey discharge in the direction of the flow and not at a 90-degree angle creating an erosive condition.
139. Provide a channel profile and cross-sections of the drainage to the west of the proposed roadway. The adjacent property cannot be utilized as part of the proposed channel without a drainage easement. Include hydraulic calculations on the profile and cross-sections.
140. Show the proposed drainage easements downstream until adequate outfall is determined. Easements shall extend 10-feet beyond the top of bank on each side.
141. Revise inlet calculations to show the required 50% reduction of capacity for a drop inlet.
142. (1) is shown as a notation on the storm pipe calculations but is not included in the legend.
143. For each culvert, extend the survey information on the profile 200-feet upstream and downstream of the culvert so that the channel alignment is evident.
144. Culverts that could become part of a closed pipe system are required to be designed to handle a fully developed drainage area. It is likely the large lot to the west will eventually be redeveloped.

We are available at your convenience to discuss our findings.

Sincerely,



John W. Birkhoff, P.E.

✓	P & G	UTILS
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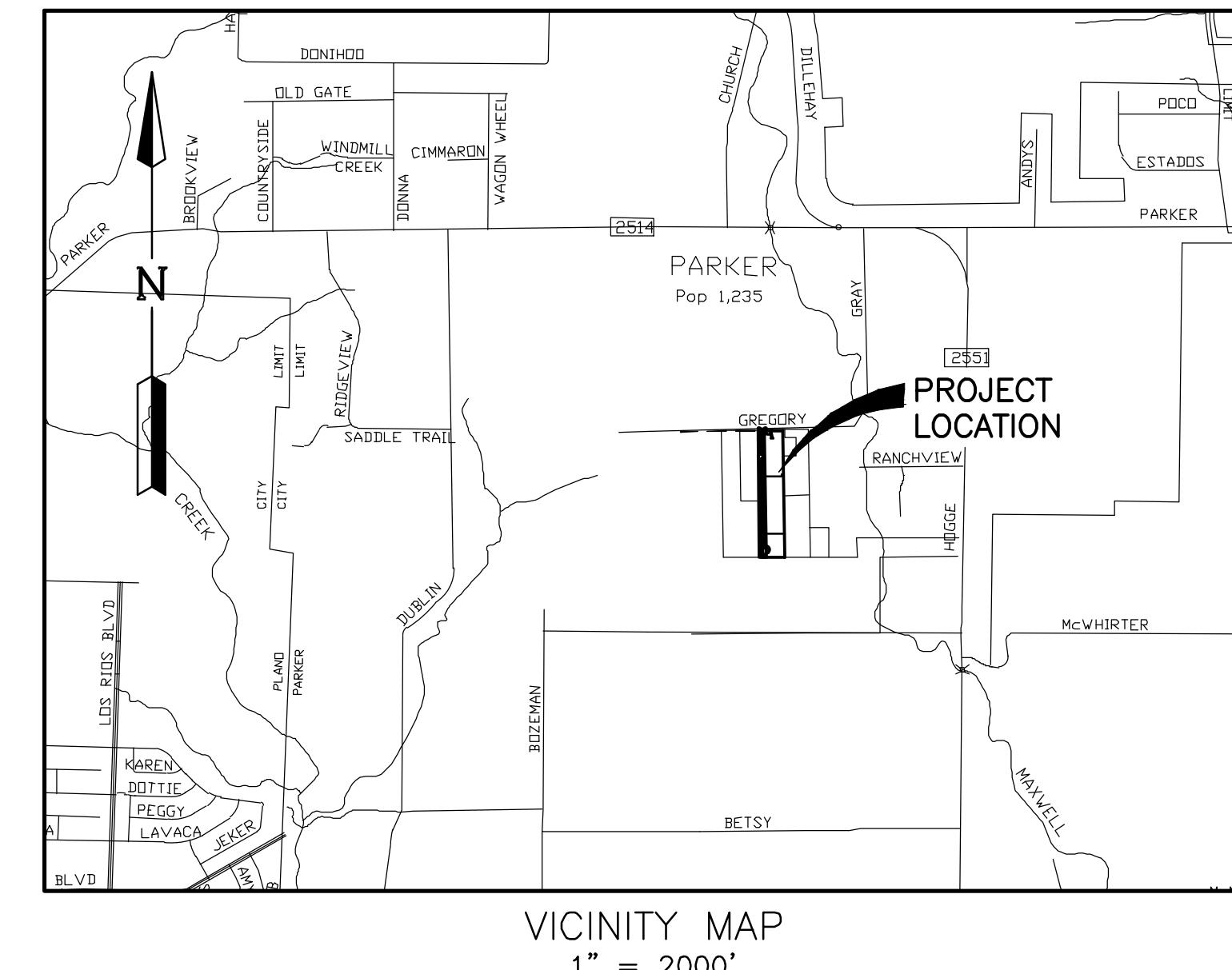
CONSTRUCTION PLANS FOR GRADING, PAVING, & DRAINAGE FACILITIES TO SERVE

PANORAMA STREET CITY OF PARKER COLLIN COUNTY, TEXAS

JUNE 2023

NOTES:

1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF PARKER STANDARDS AND SPECIFICATIONS.
2. THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE APPROXIMATE. NEITHER THE OWNER, DEVELOPER, NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND /OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL FRANCHISE AND CITY UTILITIES PRIOR TO CONSTRUCTION.
3. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO ANY EXISTING FACILITY RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS. ANY REMOVAL OR DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.
4. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH THE DEVELOPER.



SHEET INDEX

1. COVER SHEET
2. PRELIMINARY PLAT
3. GENERAL NOTES
4. DEMOLITION PLAN
5. GRADING PLAN
6. GRADING PLAN
7. GRADING PLAN
8. PAVING PLAN & PROFILE - PANORAMA STREET
9. PAVING PLAN & PROFILE - PANORAMA STREET
10. OVERALL SECTIONS PLAN
11. CROSS SECTIONS - STA 0+00 TO 14+00
12. CROSS SECTIONS - STA 15+00 TO 16+50
13. EXISTING DRAINAGE AREA MAP
14. POST-DEVELOPMENT DRAINAGE AREA MAP
15. DRAINAGE CALCULATIONS
16. DRAINAGE CALCULATIONS
17. DRAINAGE CALCULATIONS
18. DRAINAGE CALCULATIONS
19. STORM DRAIN PLAN & PROFILE - CULVERT 1 & CULVERT 2
20. STORM DRAIN PLAN & PROFILE - CULVERT 3 & SD 6
21. STORM DRAIN PLAN & PROFILE - SD 1, LAT 1B, LAT 1C
22. STORM DRAIN PLAN & PROFILE - SD 2 & LAT 2B
23. STORM DRAIN PLAN & PROFILE - SD 3 & LAT 3B
24. STORM DRAIN PLAN & PROFILE - SD 4 & SD 5
25. STORM DRAIN PLAN & PROFILE - LAT 1D, 1E, 1F, 2C, 2D, 2E, 2F, & 2G
26. STORM DRAIN PLAN & PROFILE - LAT 2H, 2J, 2K, 2L, 2M, 3C, 3D, & 3E
27. STORM DRAIN PLAN & PROFILE - LAT 3F, 3G, 3H, 3J, 3K, 3L, 3M, & 3N
28. STORM DRAIN PLAN & PROFILE - LAT 3P, 3Q, & 3R
29. DETENTION PLAN - NORTH POND
30. DETENTION PLAN - SOUTH POND
31. STREET LIGHT AND SIGNAGE PLAN
32. EROSION CONTROL PLAN
33. EROSION CONTROL DETAILS
34. PAVING DETAILS
35. STORM DETAILS
36. STORM DETAILS
37. STORM DETAILS
38. STORM DETAILS
39. STORM DETAILS

OWNER/DEVELOPER:
GREGORY LANE, LLC
3510 DUBLIN RD
PARKER, TEXAS 75002-6516

ENGINEER:
LJA Engineering, Inc.
6060 North Central Expressway
Suite 400
Dallas, Texas 75206

Phone 469.621.0710
FRN - F-1386

PRELIMINARY	
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW	
UNDER THE AUTHORITY OF VERONICA B. HADLEY, TEXAS P.E.	
#143748 ON 06/27/2023	
THIS DOCUMENT IS NOT TO BE USED FOR THE PURPOSES OF CONSTRUCTION.	
SCALE	N/A
HORZ:	N/A
VERT:	N/A
SHEET	
1	
OF 35 SHEETS	

GENERAL CONSTRUCTION NOTES

- ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE CITY OF PARKER TEXAS COUNCIL OF GOVERNMENTS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. IN THE EVENT THAT AN ITEM IS NOT COVERED IN THE CONSTRUCTION DOCUMENTS THE CITY'S DECISION WILL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE UNDERGROUND OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. AN INFORMAL LIST OF UTILITY COMPANIES ARE AS FOLLOWS:
ONCOR ELECTRIC, ATTN: DANNY KILCREASE (903) 715-5589
COSERV, ATTN: ANDREW BAXTER, (940) 270-6846
CHARTER, ATTN: DILON SCOTT, (682) 308-7676
- THE CONTRACTOR SHALL CONTACT ALL FRANCHISE UTILITY COMPANIES TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND DEPTH OF ALL FRANCHISE UTILITY SERVICES AND ANY REQUIRED RELOCATION AND/OR EXTENSIONS. SERVICES SHOWN ON THE PLANS ARE CONCEPTUAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER GRADE BY THE CONTRACTOR PRIOR TO AND AFTER PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS PROJECT.
- BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF PIPE.
- THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY RECORDS AND PLANS AND ARE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE CONTRACTOR SHALL PRESERVE AND PROTECT PUBLIC UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT THEIR EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN PROPOSED FACILITY GRADES CONFLICT WITH EXISTING UTILITY GRADES.
- THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY, INCLUDING, BUT NOT LIMITED TO FENCES, WALLS, PAVEMENT, GRASS, TREES, AND LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED) AND IS NOT A SEPARATE PAY ITEM.
- THE CONTRACTOR SHALL REMOVE SURPLUS MATERIAL FROM THE PROJECT AREA. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
- COMPLIANCE WITH LAWS: THE CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, INCLUDING ALL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS CONTRACT AND THE WORK TO BE DONE THEREUNDER, WHICH EXIST OR WHICH MAY BE ENACTED LATER BY GOVERNMENTAL BODIES HAVING JURISDICTION OR AUTHORITY FOR SUCH ENACTMENT. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, IMPACT AND INSPECTION FEES, ANY CITY FEES AND LICENSES NECESSARY FOR THE EXECUTION OF THE WORK AND SHALL FULLY COMPLY WITH ALL THEIR TERMS AND CONDITIONS. WHEREVER THE WORK UNDER THIS CONTRACT REQUIRES THE OBTAINING OF PERMITS FROM THE CITY OF PARKER OR OTHER PUBLIC AUTHORITIES, DUPLICATE COPIES OF SUCH PERMITS SHALL BE FURNISHED TO THE ENGINEER BY THE CONTRACTOR HEREUNDER BEFORE THE WORK COVERED THEREBY IS STARTED. NO WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED. ALL WORK REQUIRED UNDER THIS CONTRACT SHALL COMPLY WITH ALL REQUIREMENTS OF LAW, REGULATION, PERMIT OR LICENSE. IF THE CONTRACTOR FINDS THAT THERE IS A VARIANCE, HE SHALL IMMEDIATELY REPORT THIS TO THE DEVELOPER FOR RESOLUTION.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE ARCHITECT, CIVIL ENGINEER AND CITY ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF TEXAS DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUM PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
- CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
- ALL HORIZONTAL DIMENSIONS GIVEN ARE TO BACK OF CURB AND TO PIPE CENTERLINES UNLESS OTHERWISE NOTED ON PLANS.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CIVIL ENGINEER A COPY OF AS-BUILT PLANS IDENTIFYING ALL DEVIATIONS OR VARIATIONS FROM THE ORIGINAL PLANS.
- ALL WORK ON STATE RIGHT OF WAY (ROW) SHALL COMPLY WITH THE TXDOT PERMIT PROVISIONS AND TXDOT STANDARDS.
- ALL EXISTING PAVEMENT, ADJACENT UTILITIES, STRUCTURES, ETC., DISTURBED AS A RESULT OF THE NEW CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THIS PROJECT.
- CLEAN-UP FOR FINAL ACCEPTANCE: THE CONTRACTOR SHALL MAKE A FINAL CLEAN-UP OF ALL PARTS OF THE WORK BEFORE ACCEPTANCE BY THE DEVELOPER OR HIS REPRESENTATIVE. THIS CLEAN-UP SHALL INCLUDE REMOVAL OF ALL OBJECTIONABLE MATERIALS AND, IN GENERAL, PREPARING THE SITE OF THE WORK IN AN ORDERLY MANNER OF APPEARANCE.

24. PROPERTY LINES AND MONUMENTS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET AT THE EXPENSE OF THE CONTRACTOR.

25. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES UNLESS NOTED OTHERWISE.

26. REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK: ALL WORK WHICH HAS BEEN REJECTED OR CONDEMNED SHALL BE REPAIRED; OR IF IT CANNOT BE REPAIRED SATISFACTORILY, IT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. DEFECTIVE MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE WORK SITE. WORK DONE BEYOND THE LINE OR NOT IN CONFORMITY WITH THE GRADES SHOWN ON THE DRAWINGS OR AS PROVIDED, WORK DONE WITHOUT PROPER INSPECTION; OR ANY EXTRA OR UNCLASSIFIED WORK DONE WITHOUT WRITTEN AUTHORITY AND PRIOR AGREEMENT IN WRITING AS TO PRICES, SHALL BE AT THE CONTRACTOR'S RISK, AND WILL BE CONSIDERED UNAUTHORIZED, AND AT THE OPTION OF THE DEVELOPER MAY NOT BE MEASURED AND PAID FOR AND MAY BE ORDERED REMOVED AT THE CONTRACTOR'S EXPENSE. UPON FAILURE OF THE CONTRACTOR TO REPAIR SATISFACTORILY OR TO REMOVE AND REPLACE, IF SO DIRECTED, REJECTED, UNAUTHORIZED OR CONDEMNED WORK OR MATERIALS IMMEDIATELY AFTER RECEIVING NOTICE FROM THE DEVELOPER, THE DEVELOPER WILL, AFTER GIVING WRITTEN NOTICE TO THE CONTRACTOR, HAVE THE AUTHORITY TO CAUSE DEFECTIVE WORK TO BE REMEDIED OR REMOVED AND REPLACED, OR TO CAUSE UNAUTHORIZED WORK TO BE REMOVED AND TO DEDUCT THE COST THEREOF FROM ANY MONIES DUE OR TO BECOME DUE THE CONTRACTOR.

27. SUBSURFACE EXPLORATION: RONE ENGINEERING HAS MADE AN INVESTIGATION OF SUBSURFACE SOIL CONDITIONS FOR THE PROJECT SITE, THE RESULTS OF WHICH CAN BE FOUND IN THEIR REPORT NO. #23-27484 DATED 05/05/2023.

TEST BORINGS HAVE BEEN MADE AT VARIOUS LOCATIONS WITHIN THE CONSTRUCTION AREA AND THE RESULTS OF SUCH BORINGS, INCLUDING THE COMPLETE SOIL REPORT, ARE INCLUDED IN THE SPECIFICATIONS.

SOIL INVESTIGATION DATA IS PROVIDED ONLY FOR INFORMATION AND THE CONVENIENCE OF BIDDERS. THE DEVELOPER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY, TRUE LOCATION AND EXTENT OF THE SOILS INVESTIGATION THAT HAS BEEN PREPARED BY OTHERS. THEY FURTHER DISCLAIM RESPONSIBILITY FOR INTERPRETATION OF THAT DATA BY BIDDERS, AS IN PROJECTING SOIL BEARING VALUES, ROCK PROFILES, SOILS STABILITY AND THE PRESENCE, LEVEL AND EXTENT OF UNDERGROUND WATER.

BIDDERS SHALL MAKE ANY INVESTIGATION OF EXISTING SUBSURFACE CONDITIONS AS DEEMED NECESSARY AT NO EXPENSE TO THE DEVELOPER.

NEITHER THE DEVELOPER NOR ENGINEER WILL BE RESPONSIBLE IN ANY WAY FOR ADDITIONAL COMPENSATION FOR EXCAVATION WORK PERFORMED UNDER THIS CONTRACT DUE TO CONTRACTOR'S ASSUMPTIONS BASED ON SUBSOIL DATA PREPARED SOLELY FOR ENGINEER'S USE.

GAS, ELECTRIC, AND TELEPHONE NOTES

- THE CONTRACTOR SHALL INSTALL 2"-4" SCH 40 PVC CONDUITS FOR AREA TELEPHONE SERVICE PROVIDER. THE SERVICE PROVIDER WILL INSTALL THE WIRING. THE CONDUITS SHALL EXTEND FROM THE BUILDING TO THE ADJACENT R.O.W. CONTRACTOR SHALL COORDINATE LOCATION, ALIGNMENT AND INSTALLATION REQUIREMENTS WITH THE AREA TELEPHONE PROVIDER.
- PULL BOXES SHALL BE INSTALLED AT ALL BENDS AND AT 1000-FOOT INCREMENTS ALONG ALL TELEPHONE AND COMMUNICATIONS CONDUITS. ALL PULL BOXES SHALL BE WATERPROOF, AND THOSE IN PAVED AREAS SHALL BE TRAFFIC RATED.
- THE CONTRACTOR SHALL PROVIDE 4 WEEKS LEAD TIME FOR (TEMP. AND PERMANENT) TELEPHONE SERVICE INSTALLATION, AND 14-16 WEEK LEAD TIME FOR THREE-PHASE TRANSFORMERS. COORDINATE SERVICE WITH THE LOCAL ELECTRIC PROVIDER.
- THE CONTRACTOR SHALL COORDINATE ALL ELECTRIC AND GAS SERVICE (TEMP. & PERMANENT) LOCATION, ALIGNMENT, INSTALLATION REQUIREMENTS AND COST SHARING ARRANGEMENTS WITH FRANCHISE UTILITY PROVIDER.
- THE CONTRACTOR SHALL COORDINATE WITH FRANCHISE UTILITY PROVIDER TO EXTEND GAS SERVICE FROM THE ADJACENT R.O.W. TO THE PROPOSED BUILDING.
- ALL FRANCHISE UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE CONCEPTUAL IN NATURE. THE CONTRACTOR SHALL COORDINATE THE EXACT DESIGN, ALIGNMENT, INSTALLATION REQUIREMENTS AND COST SHARING ARRANGEMENTS WITH THE INDIVIDUAL UTILITY PROVIDERS. THE CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COSTS TO INSTALL FRANCHISE UTILITY (GAS, ELECTRIC, PHONE, CABLE) SERVICE TO THE PROPOSED BUILDING, IN THE BASE BID.

PAVING AND STRIPING NOTES

- ALL WORK AND MATERIALS ON SITE SHALL BE IN ACCORDANCE WITH THE CITY OF PARKER STANDARD PAVING SPECS AND DETAILS.
- TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY, APPROVED BY THE OWNER, FOR TESTING MATERIALS. PROCUREMENT OF THE TESTING LABORATORY AND THE PAYMENT OF SUCH TESTING SERVICES SHALL BE MADE BY THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE, BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE CITY AND PROJECT SPECIFICATIONS.
- ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST VERSION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- RAISED PAVEMENT MARKERS SHALL BE BONDED TO THE ROADWAY SURFACE WITH ADHESIVE CONFORMING TO THE MANUFACTURER'S RECOMMENDATIONS.
- THE PAVEMENT UPON WHICH THE LANE AND PAVEMENT MARKERS ARE TO BE PLACED SHALL BE PREPARED TO THE APPROVAL OF THE INSPECTOR TO ENSURE PROPER CLEANING OF THE PAVEMENT SURFACE.
- SIGN LOCATIONS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CITY. CONTRACTOR SHALL REVIEW ALL TRAFFIC CONTROL DEVICES WITH THE CITY PRIOR TO INSTALLATION.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS.
- ALL STRIPING SHALL BE EXTRUDED THERMOPLASTIC MARKING MATERIAL.
- CONTRACTOR TO REFERENCE IRRIGATION PLAN AND MEP PLANS FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS.

- THE ACCESS ROADWAY AND/OR FIRE LANE SHALL BE STRIPED ON A PAVED SURFACE, AND BE CLEARLY MARKED ON THE PAVEMENT WITH "RED" TRAFFIC PAINT SIX (6) INCHES IN WIDTH TO SHOW THE BOUNDARIES OF THE LANE. "NO PARKING FIRE LANE" SHALL APPEAR IN FOUR (4) INCH WHITE LETTERS AT INTERVALS OF 25 FEET ON THE RED BORDER MARKINGS ALONG BOTH SIDES OF THE FIRE LANES. WHERE A CURB IS AVAILABLE, THE STRIPING SHALL BE ON THE VERTICAL FACE OF THE CURB. ALL FIRE LANES SHALL CONNECT AT BOTH ENDS TO A DEDICATED STREET OR BE CONSTRUCTED WITH TURN-AROUND AREAS AT THE DEAD-END WITH A MINIMUM RADIUS OF FIFTY (50) FEET. ALL PAINT REFERRED TO SHALL BE TRAFFIC MARKING PAINT.
- CLEAN-UP FOR FINAL ACCEPTANCE: THE CONTRACTOR SHALL MAKE A FINAL CLEAN-UP OF ALL PARTS OF THE WORK BEFORE ACCEPTANCE BY THE DEVELOPER OR HIS REPRESENTATIVE. THIS CLEAN-UP SHALL INCLUDE REMOVAL OF ALL OBJECTIONABLE MATERIALS AND, IN GENERAL, PREPARING THE SITE OF THE WORK IN AN ORDERLY MANNER OF APPEARANCE.

12. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1994 AND THE TEXAS ARCHITECTURAL BARRIERS ACT OF 1994.

13. ALL REGULAR PARKING SPACES ARE 9.0 FEET WIDE. ALL HANDICAP SPACES ARE 9.0 FEET WIDE WITH AN ADJACENT 5.0 FOOT WIDE STRIPED ZONE UNLESS NOTED OTHERWISE.

14. CONTRACTOR TO INSTALL CONSTRUCTION JOINTS IN CONCRETE PAVEMENT AT ALL PC'S AND AS CONVENIENT TO PHASING OF POURS. CONCRETE PAVEMENT TO BE CONSTRUCTED WITH EXPANSION JOINTS EVERY 150' IN BOTH DIRECTIONS AND SAWED DUMMY JOINTS EVERY 10'-12' IN BOTH DIRECTIONS.

15. CONTRACTOR TO SUBMIT A PAVEMENT JOINTING PLAN TO THE ENGINEER AND OWNER PRIOR TO THE BEGINNING OF ANY CONCRETE PAVING WORK. PAVING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE CONSTRUCTION AND PAVING NEAR THE SCREENING WALLS AND THE DUMPSTER PADS.

16. ALL EXISTING CONCRETE OR ASPHALT SHOWN TO BE REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR OFF SITE.

GRADING NOTES

1. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE SEEDED, IRRIGATED, AND STABILIZED AS SPECIFIED IN THE PLANS, AND MAINTAINED UNTIL SOIL IS STABILIZED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE STABILIZED AND MULCHED AS SHOWN ON THE LANDSCAPE, GRADING, AND EROSION CONTROL PLANS.

2. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE SHOWN.

3. CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO 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.

4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN PAVED AREAS. CONTRACTOR ADJUSTMENTS TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE IS ALLOWED WITH THE PRIOR APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PAVING IF ANY AREAS OF POOR DRAINAGE ARE ENCOUNTERED.

5. THE CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES WHICH ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION.

6. ALL EXISTING CONCRETE PAVING, CHANNEL IMPROVEMENTS, SIDEWALK, STRUCTURES AND CURB DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY AND DISPOSED OF BY THE CONTRACTOR, OFFSITE UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER.

7. BUILDING PAD PREPARATION SHALL BE CONSISTENT WITH THE GEOTECHNICAL REPORT BY TERRACON, DATED FEBRUARY 5, 2008 AND ALL ADDENDA. (TERRACON PROJECT NO. 94075497)

8. ALL CLEARING, GRADING, COMPACTION AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE TO THE RECOMMENDATIONS MADE IN THE SUBSURFACE EXPLORATION REPORT BY RONE ENGINEERING, PROJECT #23-27484 DATED 05/05/2023 AND ALL ADDENDA.

9. GRADING CONTRACTOR TO COORDINATE WITH THE FRANCHISE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.

10. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES AND USE TO DETERMINE HIS BID ACCORDINGLY. ANY DEVIATION FROM A BALANCED CUT AND FILL SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND CIVIL ENGINEER AND ANY VARIANCE QUANTIFIED ON THE BID.

11. REFERENCE STRUCTURAL PLANS AND SPECIFICATIONS AND GEOTECHNICAL REPORT FOR ALL BUILDING PAD LAYOUT AND SOIL PREPARATION/COMPACTON.

12. EXCESS MATERIAL: SUITABLE EXCAVATED MATERIAL SHALL BE DISPOSED OF ON THE SITE AT LOCATIONS DIRECTED BY THE ENGINEER. UNSUITABLE MATERIAL IS DEFINED AS ROCKS MEASURING LARGER THAN 4" IN THE LARGEST DIMENSION. UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.

13. WHERE SURFACE DRAINAGE CHANNELS ARE TEMPORARILY DISTURBED OR BLOCKED DURING CONSTRUCTION, THEY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR GRADES AND CROSS SECTION AFTER THE CONSTRUCTION IS COMPLETED.

14. NO ROCK SHALL BE PLACED IN THE TOP 6 INCHES OF THE SUBGRADE.

15. GRADING CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OFF-SITE OF ALL EXCAVATED AND CLEARED MATERIAL WHICH SOILS LAB DECLares UNSUITABLE FOR USE ON-SITE.

16. IF ROCK IS ENCOUNTERED IN THE PAVING SUBGRADE, THE ROCK SHALL BE EXCAVATED TO A DEPTH OF SIX INCHES, REMOVED FROM THE STREET, AND NON-ROCK MATERIAL SHALL BE REPLACED FOR THE STREET SUBGRADE. ROCK IN STREET PARKWAYS SHALL BE REMOVED AND REPLACED WITH SIX INCHES OF TOP SOIL. THIS SHALL BE ACCOMPLISHED BY THE EXCAVATION CONTRACTOR, SUBSIDIARY TO THIS CONTRACT.

17. PRIOR TO PLACING ANY FILL, THE AREAS TO RECEIVE FILL WILL NEED TO BE STRIPPED AND GRUBBED. THE EXPOSED SUBGRADE SHOULD BE PROFROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT OR PUMPING AREAS SHOULD BE EXCAVATED TO A FIRM SUBGRADE AND PROPERLY BACKFILLED. THE SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES AND UNIFORMLY COMPACTED TO A MINIMUM OF 95 PERCENT OF ASTM D698 AT OR ABOVE THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THAT TEST. THE FILL MATERIALS SHALL BE SPREAD IN LOOSE LIFTS, LESS THAN 9 INCHES THICK, AND UNIFORMLY COMPACTED TO THE SAME CRITERIA.

18. REFERENCE EROSION CONTROL PLAN FOR ADDITIONAL EROSION CONTROL GENERAL NOTES AND SPECIFICATIONS.

STORM SEWER NOTES

1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS, GRATE INLETS, AND ALL UTILITIES CROSSING THE STORM SEWER. FLOW LINES AND RIMS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE PROPOSED GRADE PRIOR TO CONSTRUCTION.

2. THE END OF ALL STORM SEWER LATERALS THAT CONNECT TO WORK BY PLUMBER SHALL BE TIGHTLY PLUGGED OR CAPPED 5.0 FEET OUTSIDE THE BUILDING UNTIL FINAL CONNECTIONS ARE MADE BY PLUMBING CONTRACTOR. SEE M.E.P. AND ARCHITECTURAL PLANS FOR CONTINUATION.

3. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.

4. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.

5. REFERENCE CITY'S DESIGN STANDARDS AND SPECIFICATIONS FOR NEW STORM SEWER SYSTEMS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND IMPLEMENTING A TRENCH PROTECTION PLAN FOR ALL OPEN TRENCH EXCAVATION.

7. EXISTING MANHOLE TOPS AND ALL OTHER DRAINAGE FACILITIES SHALL BE ADJUSTED AS REQUIRED TO MATCH FINAL GRADES AS SHOWN ON GRADING PLAN. NO SEPARATE PAY ITEM.

8. ALL STORM SEWER PIPE SHALL BE CLASS III RCP, OR AS SHOWN BELOW.

DEPTH OF COVER:

LESS THAN 10 FEET - CLASS III

BETWEEN 10 AND 15 FEET - CLASS IV

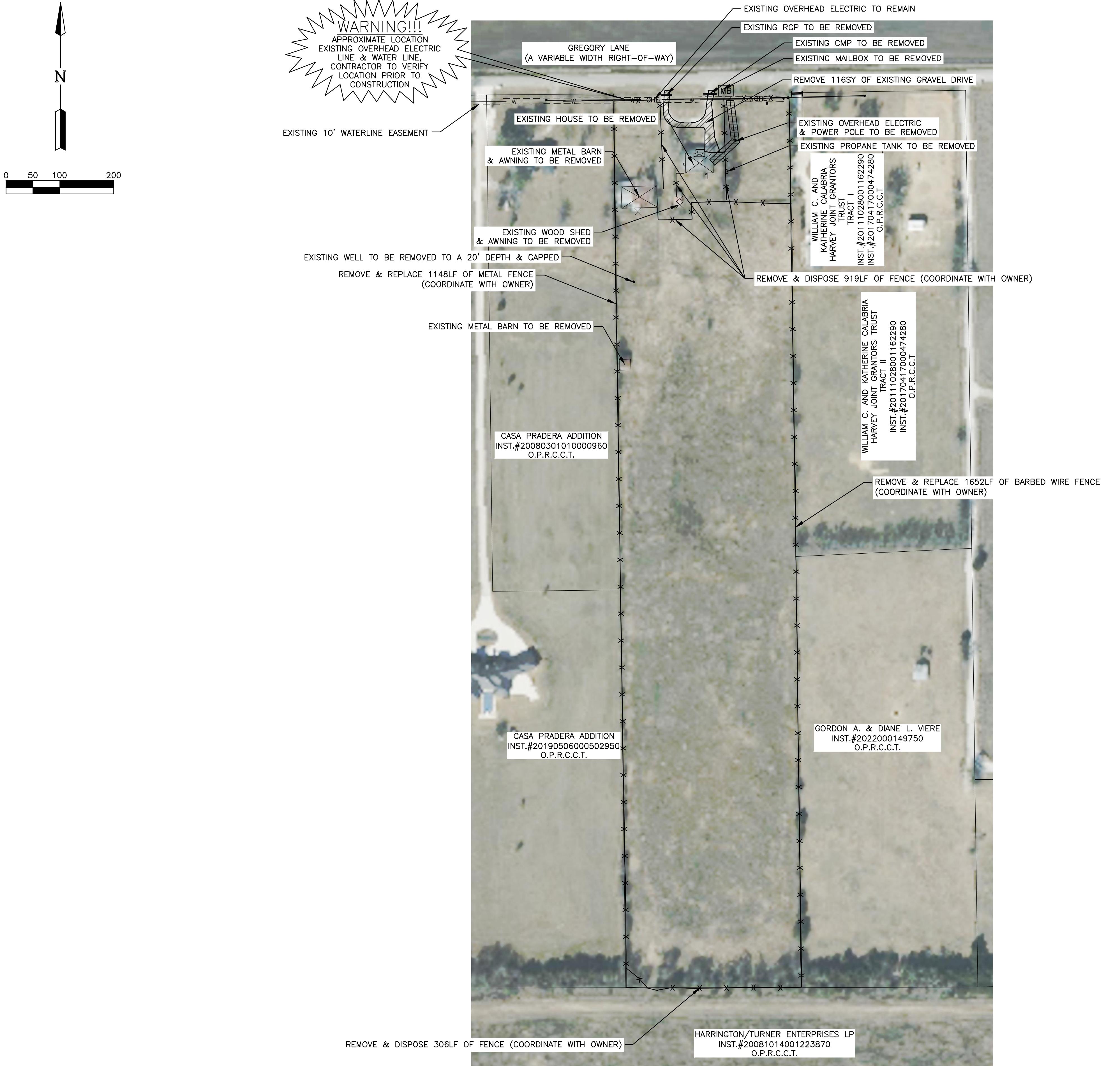
GREATER THAN 15 FEET - CLASS V

9. EXISTING WATER AND SANITARY SEWER LINES ARE SHOWN ON PLANS FOR REFERENCE ONLY. CONTRACTOR SHALL LOC

LEGEND

	EXISTING POWER POLE
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE TO BE REMOVED
	EXISTING OVERHEAD ELECTRIC TO BE REMOVED

PANORAMA STREET



BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

ELEV 605.438

BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.

ELEV 597.995

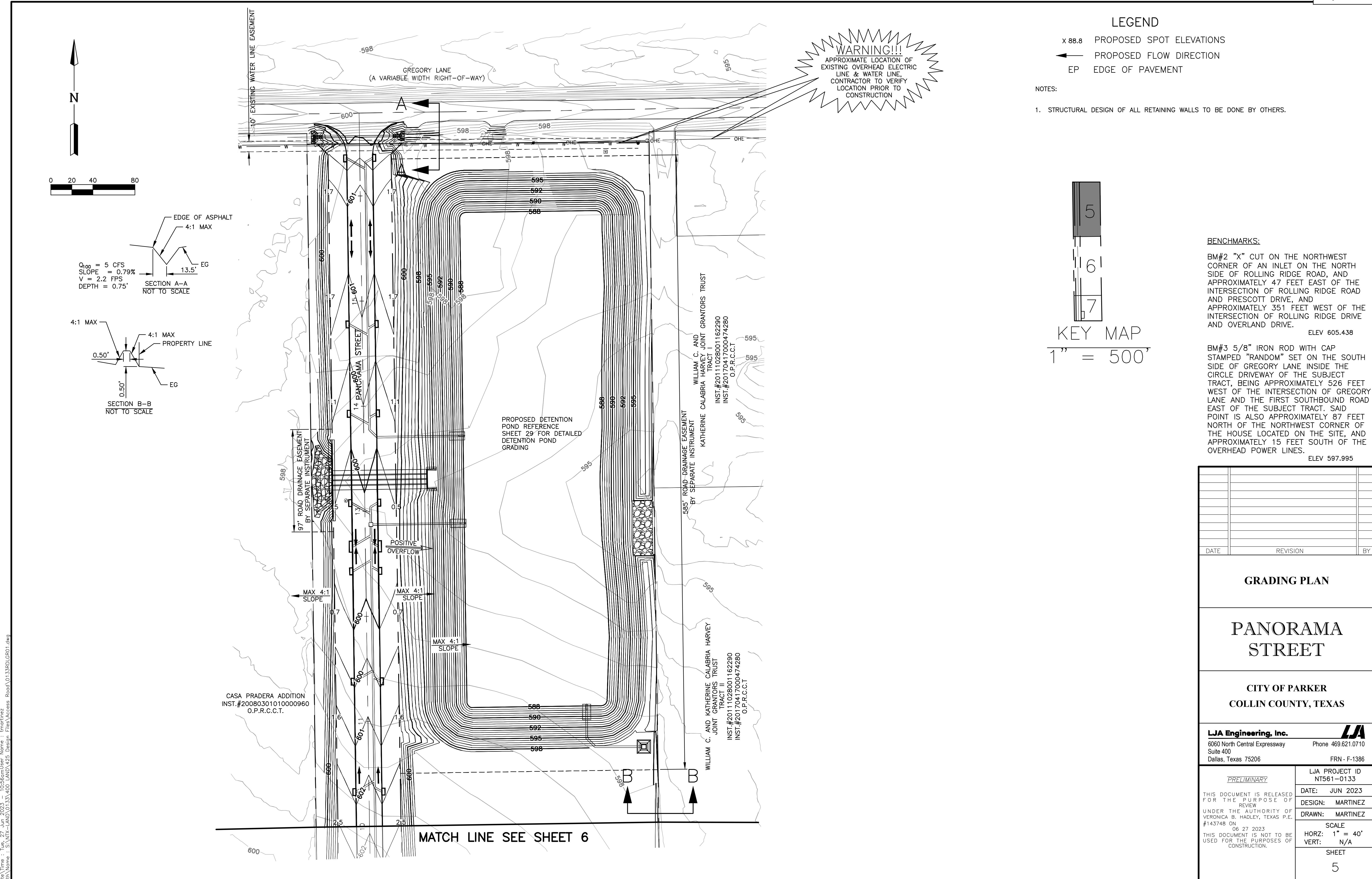
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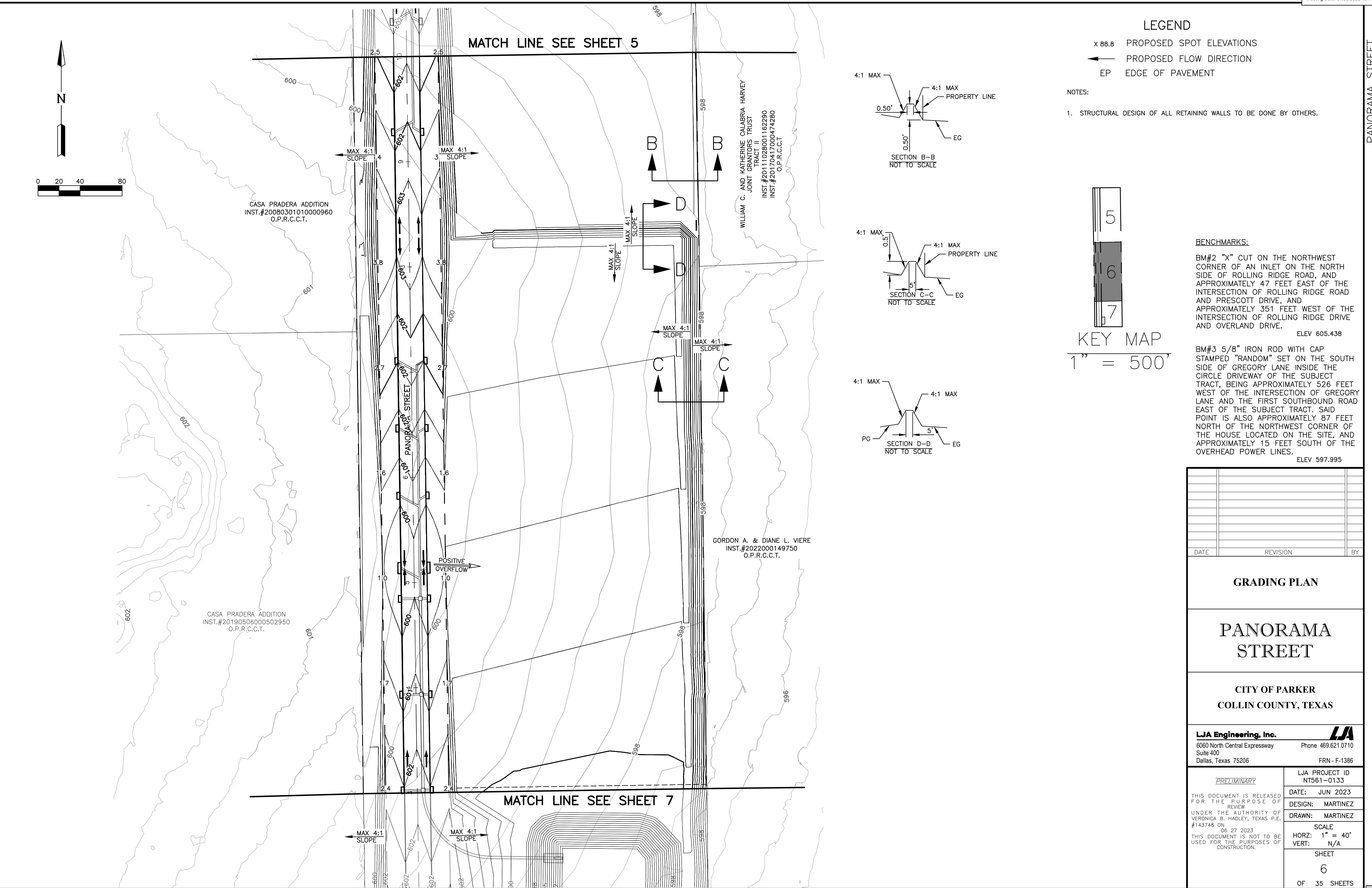
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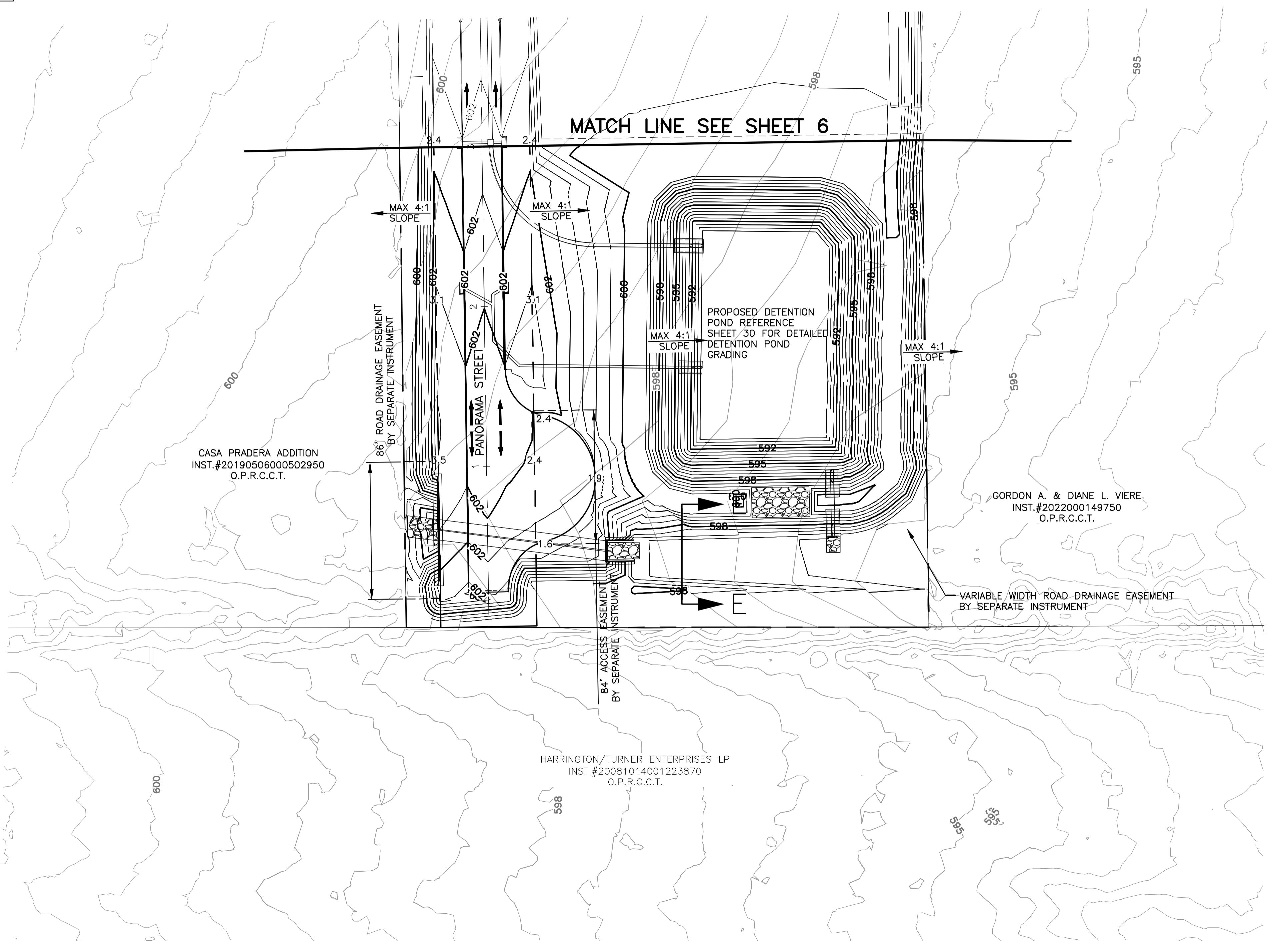
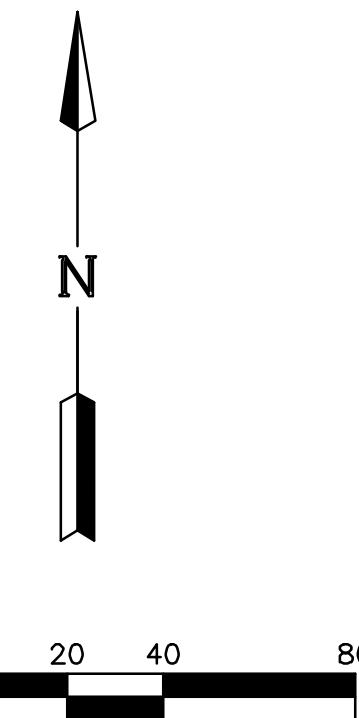
PANORAMA
STREETCITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc. 
6060 North Central Expressway
Suite 400
Dallas, Texas 75206
Phone 469.621.0710
FRN-F-1386

PRELIMINARY **LJA PROJECT ID**
NT561-0133
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06/27/2023
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CONSTRUCTION.
SCALE
HORZ: 1" = 100'
VERT: N/A
SHEET
4
OF 35 SHEETS







LEGEND

- X 88.8 PROPOSED SPOT ELEVATIONS
- PROPOSED FLOW DIRECTION
- EP EDGE OF PAVEMENT

NOTES:

1. STRUCTURAL DESIGN OF ALL RETAINING WALLS TO BE DONE BY OTHERS.

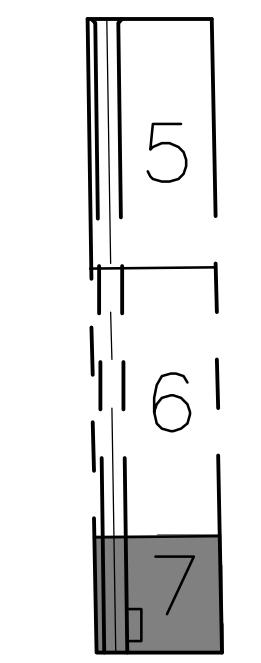
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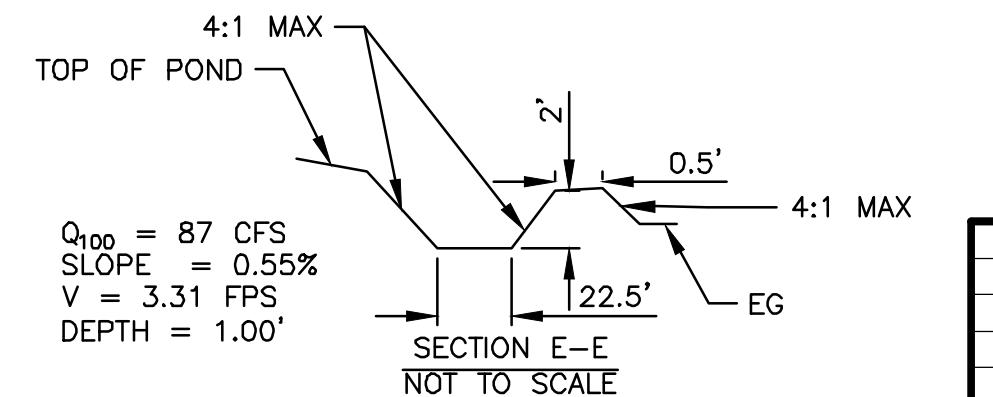
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ELEV 597.995



KEY MAP
1" = 500'



DATE	REVISION	BY

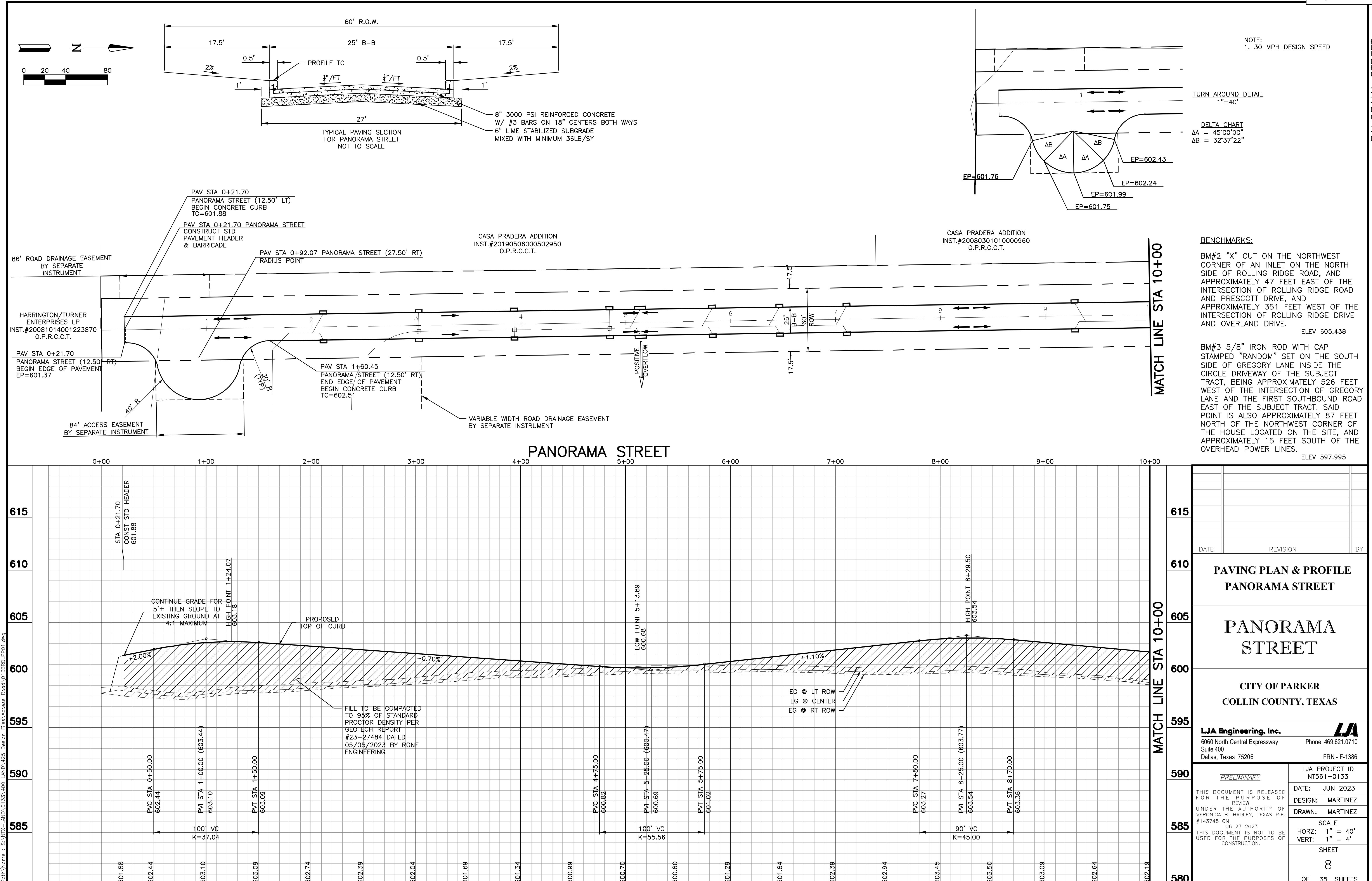
GRADING PLAN

PANORAMA
STREET

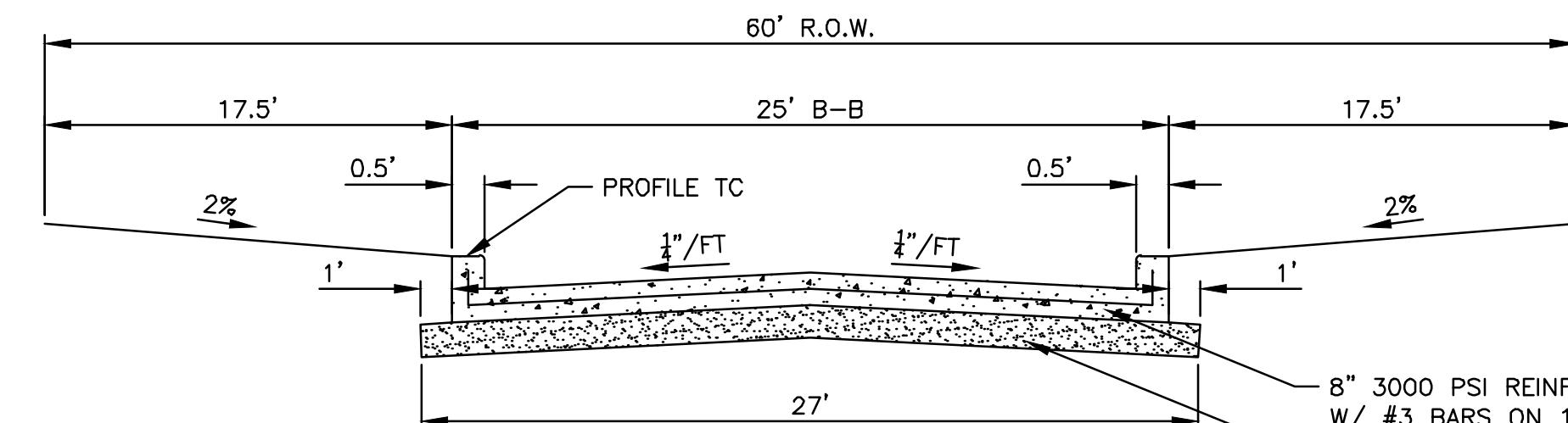
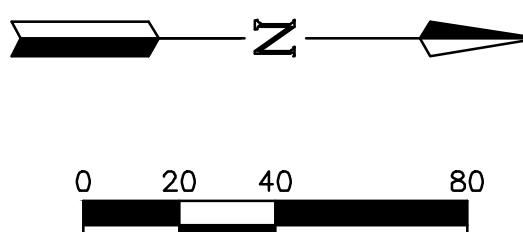
CITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc. 
6060 North Central Expressway Phone 469.621.0710
Suite 400
Dallas, Texas 75206 FRN: F-1386

PRELIMINARY	LJA PROJECT ID NT561-0133
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF VERONICA B. HADLEY, TEXAS P.E. #143748 ON 06 27 2023	DATE: JUN 2023
DESIGN: MARTINEZ	DRAWN: MARTINEZ
SCALE HORZ: 1" = 40' VERT: N/A	7 OF 35 SHEETS
SHEET	15



NOTE:
1. 30 MPH DESIGN SPEED



TYPICAL PAVING SECTION
FOR PANORAMA STREET
NOT TO SCALE

CASA PRADERA ADDITION
INST.#20080301010000960
O.P.R.C.C.T.

MATCH LINE STA 10+00

EXISTING WELL TO BE REMOVED
REFER TO SHEET 4

PAV STA 16+68.98
PANORAMA STREET (42.59' LT)
END CONCRETE CURB
TC=600.45

PAV STA 16+78.91 PANORAMA STREET=
GREGORY LANE CENTER LINE

97' ROAD DRAINAGE EASEMENT
BY SEPARATE INSTRUMENT

11 12 13 14 15 16
25' B-B 60' ROW
17.5' 17.5'
584' ROAD DRAINAGE EASEMENT BY SEPARATE INSTRUMENT

POSITIVE
OVERFLOW

PAV STA 16+39.72
PANORAMA STREET (12.50' RT)
BEGIN CONCRETE CURB
TC=600.67

PAV STA 16+69.72
PANORAMA STREET (42.42' RT)
END CONCRETE CURB
TC=599.88

BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

ELEV 605.438

BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.

ELEV 597.995

PANORAMA STREET

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00

MATCH LINE STA 10+00

602.19

601.74

601.29

600.84

600.39

PVI STA 12+06.54 (599.88)

600.08

PVI STA 13+06.54

600.15

PVI STA 14+06.54

600.74

601.04

601.34

601.63

PVI STA 15+06.54 (601.88)

601.39

PVI STA 16+06.54 (601.50)

600.67

601.58

601.50

601.32

601.24

LOW POINT 12+06.54
600.06

HIGH POINT 15+06.53
601.64

PROPOSED
TOP OF CURB

EG @ LT ROW
EG @ CENTER
EG @ RT ROW

+0.60%

1.64% LT
2.00% RT

FILL TO BE COMPAKTED
TO 95% OF STANDARD
PROCTOR DENSITY PER
GEOTECH REPORT
#23-27484 DATED
05/05/2023 BY RONE
ENGINEERING

615
610
605
600
595
590
585
580

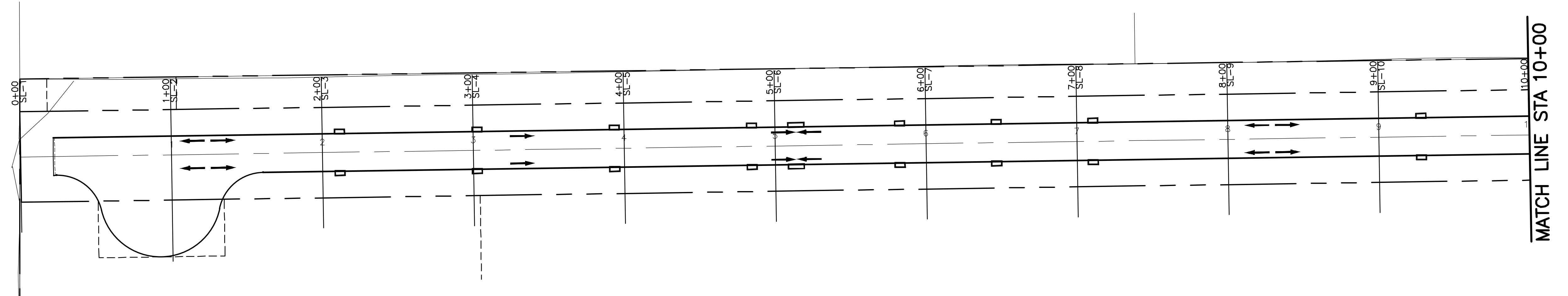
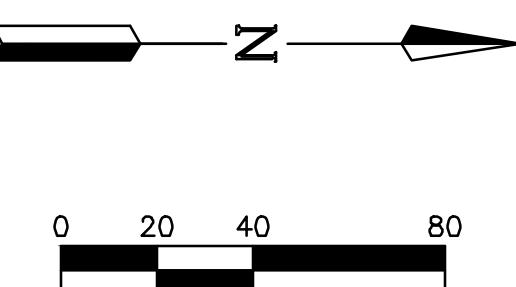
PAVING PLAN & PROFILE
PANORAMA STREET

PANORAMA
STREET

CITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc.
6060 North Central Expressway
Suite 400
Dallas, Texas 75206
Phone 469.621.0710
FRN F-1386

PRELIMINARY
THIS DOCUMENT IS RELEASED
FOR THE PURPOSE OF
REVIEW
UNDER THE AUTHORITY OF
VERONICA B. HADLEY, TEXAS P.E.
#143748 ON
06/27/2023
THIS DOCUMENT IS NOT TO BE
USED FOR THE PURPOSES OF
CONSTRUCTION.
LJA PROJECT ID
NT561-0133
DATE: JUN 2023
DESIGN: MARTINEZ
DRAWN: MARTINEZ
SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'
SHEET
9
OF 35 SHEETS



BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE. ELEV 605.438

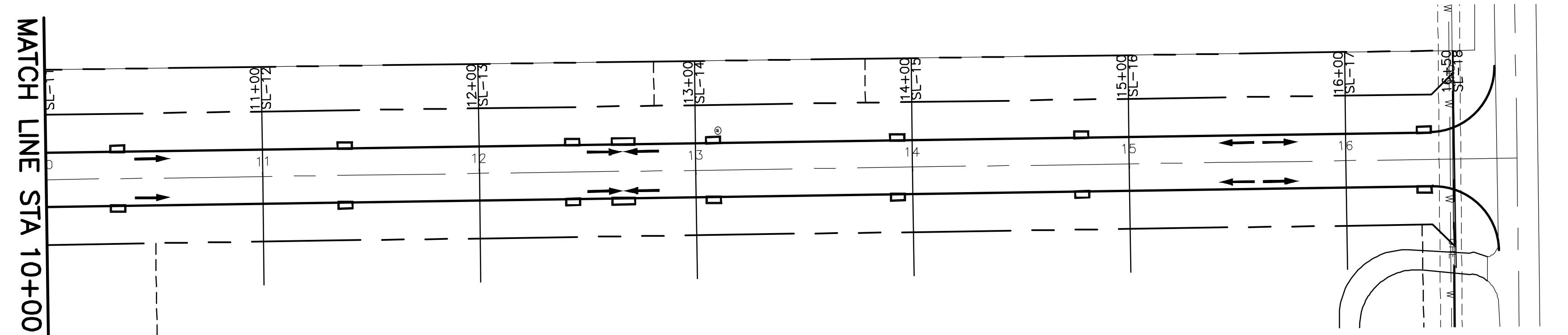
BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES. ELEV 597.995

DATE: REVISION: BY:

OVERALL SECTION PLAN

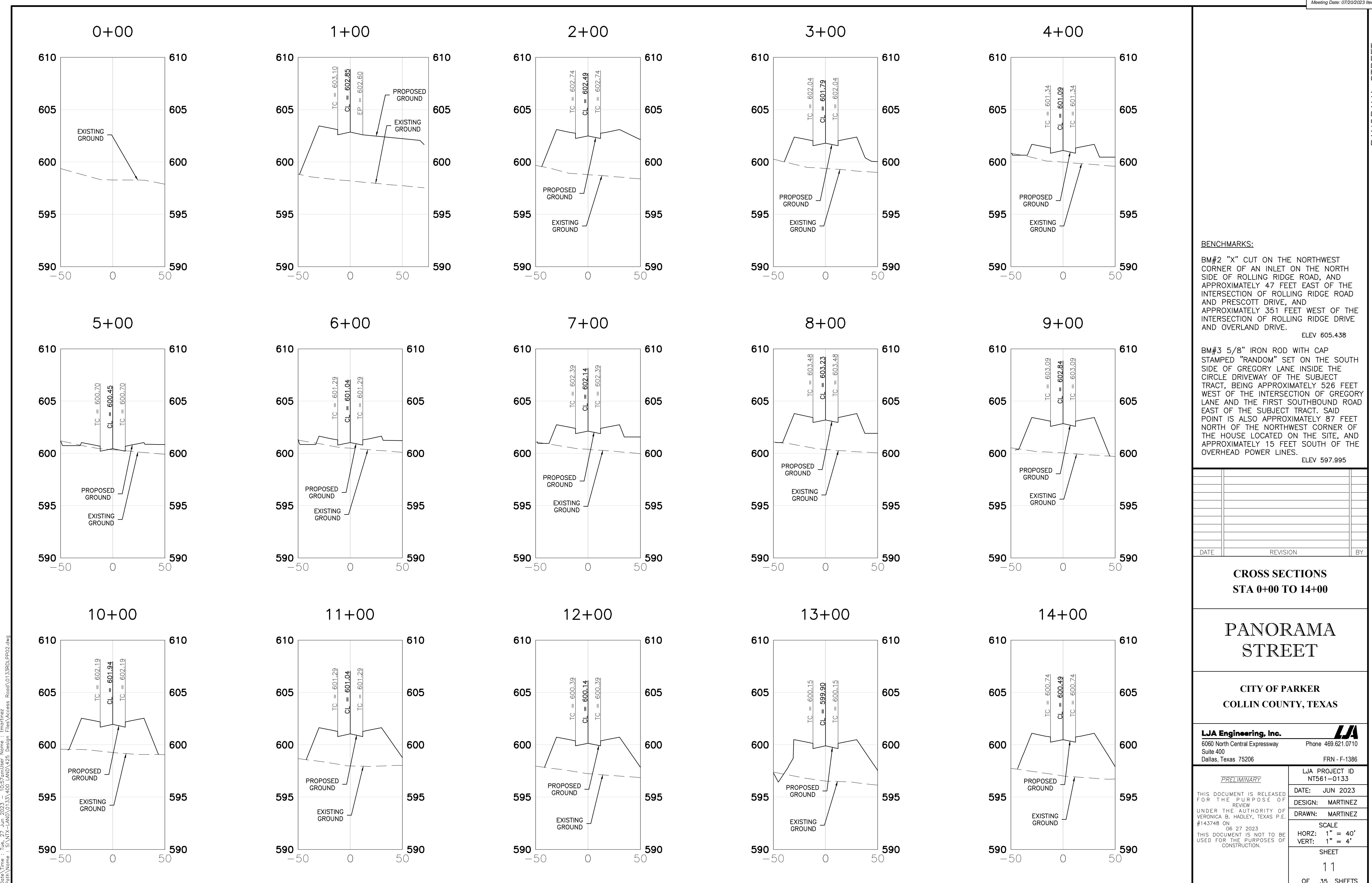
PANORAMA STREET

CITY OF PARKER
COLLIN COUNTY, TEXAS

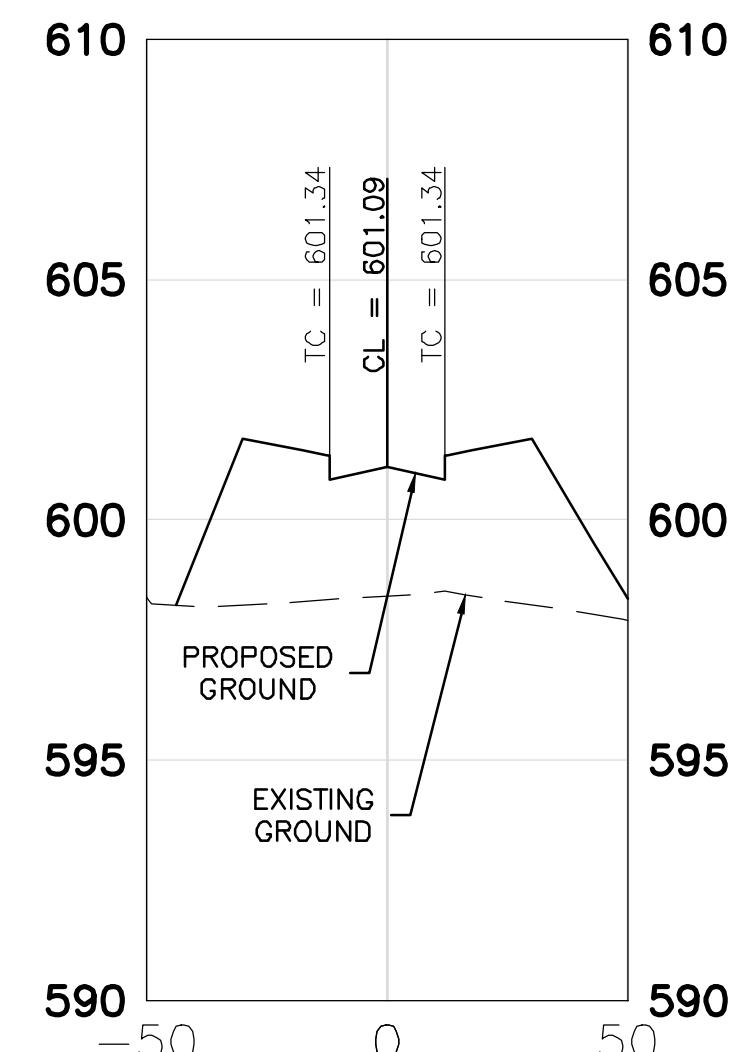


LJA Engineering, Inc. 
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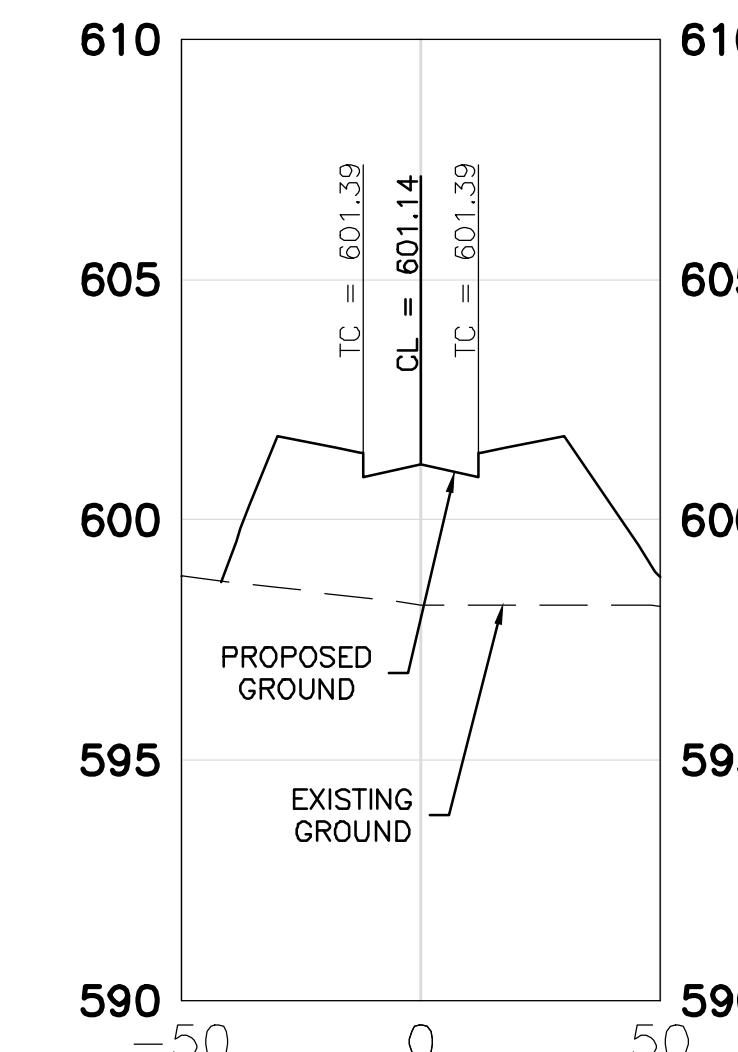
PRELIMINARY	LJA PROJECT ID NT561-0133
DATE: JUN 2023	DESIGN: MARTINEZ
REVIEWED	DRAWN: MARTINEZ
UNDER THE AUTHORITY OF VERONICA B. HADLEY, TEXAS P.E. #143748 ON 06 27 2023	SCALE HORZ: 1" = 40' VERT: N/A
THIS DOCUMENT IS NOT TO BE USED FOR THE PURPOSES OF CONSTRUCTION.	SHEET 10 OF 35 SHEETS



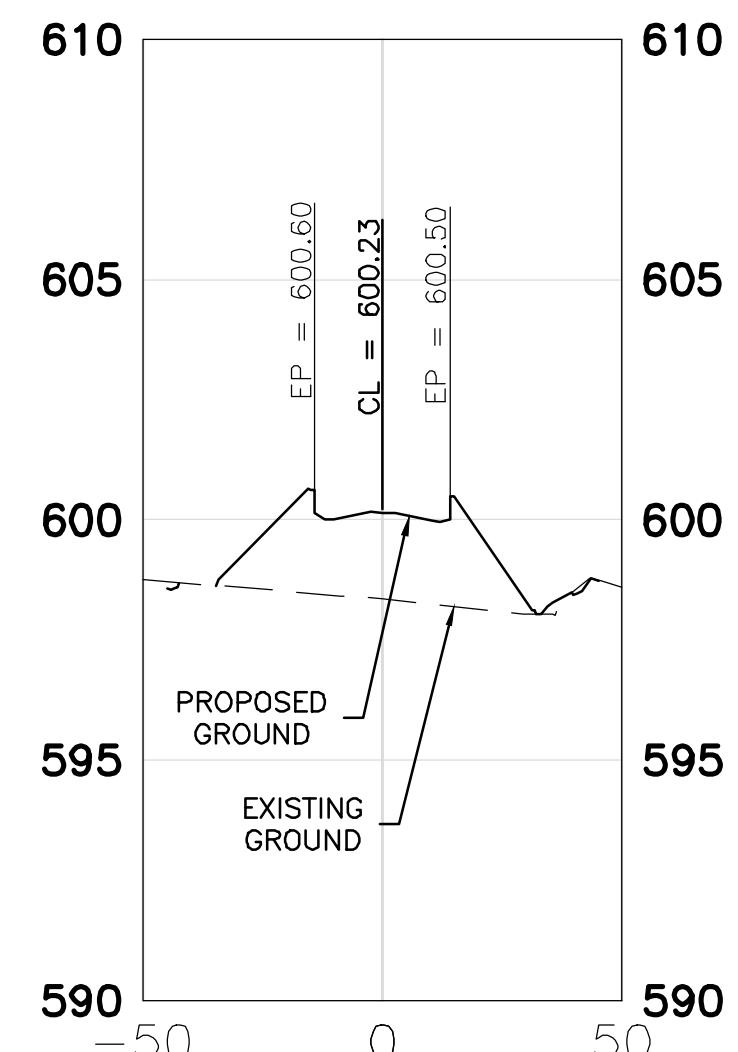
15+00



16+00



16+50



BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

ELEV 605.438

BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.

ELEV 597.995

DATE REVISION BY

CROSS SECTIONS
STA 15+00 TO 16+50

PANORAMA
STREET

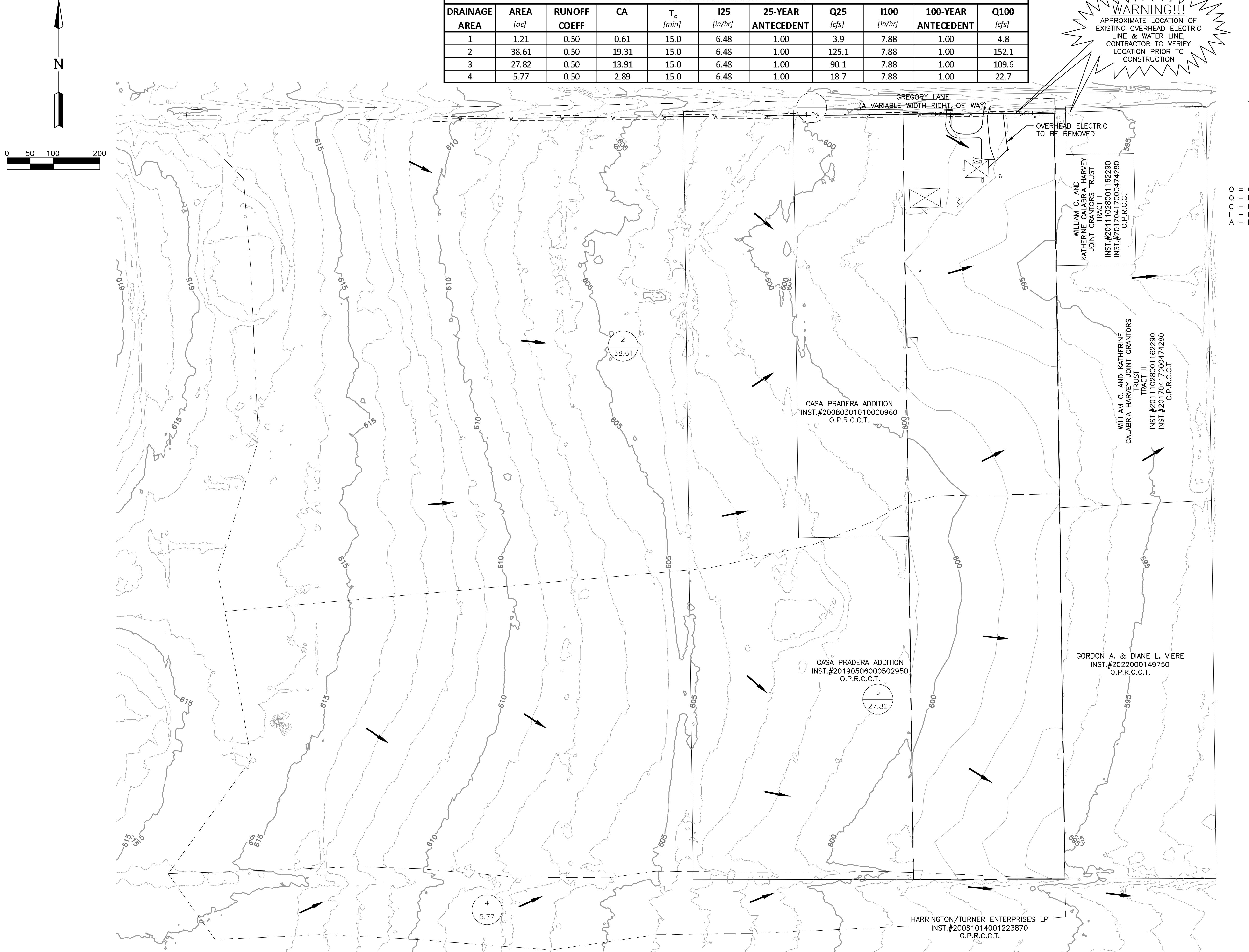
CITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc. 
6060 North Central Expressway Phone 469.621.0710
Suite 400
Dallas, Texas 75206
FRN-F-1386

PRELIMINARY	LJA PROJECT ID NT561-0133
DATE: JUN 2023	REVIEWED
DESIGN: MARTINEZ	UNDER THE AUTHORITY OF VERONICA B. HADLEY, TEXAS P.E. #143748 ON 06 27 2023
DRAWN: MARTINEZ	THIS DOCUMENT IS NOT TO BE USED FOR THE PURPOSES OF CONSTRUCTION.
SCALE HORZ: 1" = 40' VERT: 1" = 4'	12
SHEET	OF 35 SHEETS

DRAINAGE AREA SUMMARY

DRAINAGE AREA	AREA [ac]	RUNOFF COEFF	CA	T _c [min]	I25 [in/hr]	25-YEAR ANTECEDENT	Q25 [cfs]	I100 [in/hr]	100-YEAR ANTECEDENT	Q100 [cfs]
1	1.21	0.50	0.61	15.0	6.48	1.00	3.9	7.88	1.00	4.8
2	38.61	0.50	19.31	15.0	6.48	1.00	125.1	7.88	1.00	152.1
3	27.82	0.50	13.91	15.0	6.48	1.00	90.1	7.88	1.00	109.6
4	5.77	0.50	2.89	15.0	6.48	1.00	18.7	7.88	1.00	22.7



LEGEND

- EXISTING STORM DRAIN WITH INLET
- DRAINAGE DIVIDE
- FLOW DIRECTION
- DRAINAGE AREA

DRAINAGE DESIGN CRITERIA RATIONAL METHOD 100 YEAR DESIGN

- C I A
- FLOW IN CUBIC FEET PER SECOND (CFS)
- RUNOFF COEFFICIENT = 0.50 (LOW DENSITY RESIDENTIAL)
- INTENSITY AT 15 MINUTES = 7.88
- DRAINAGE AREA IN ACRES

BENCHMARKS:

M#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH DE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

ELEV 605.438

M#3 5/8" IRON ROD WITH CAP
STAMPED "RANDOM" SET ON THE SOUTH
SIDE OF GREGORY LANE INSIDE THE
CIRCLE DRIVEWAY OF THE SUBJECT
TRACT, BEING APPROXIMATELY 526 FEET
WEST OF THE INTERSECTION OF GREGORY
LANE AND THE FIRST SOUTHBOUND ROAD
EAST OF THE SUBJECT TRACT. SAID
POINT IS ALSO APPROXIMATELY 87 FEET
NORTH OF THE NORTHWEST CORNER OF
THE HOUSE LOCATED ON THE SITE, AND
APPROXIMATELY 15 FEET SOUTH OF THE
OVERHEAD POWER LINES.

ELEV 597.995

EXISTING DRAINAGE AREA MAP

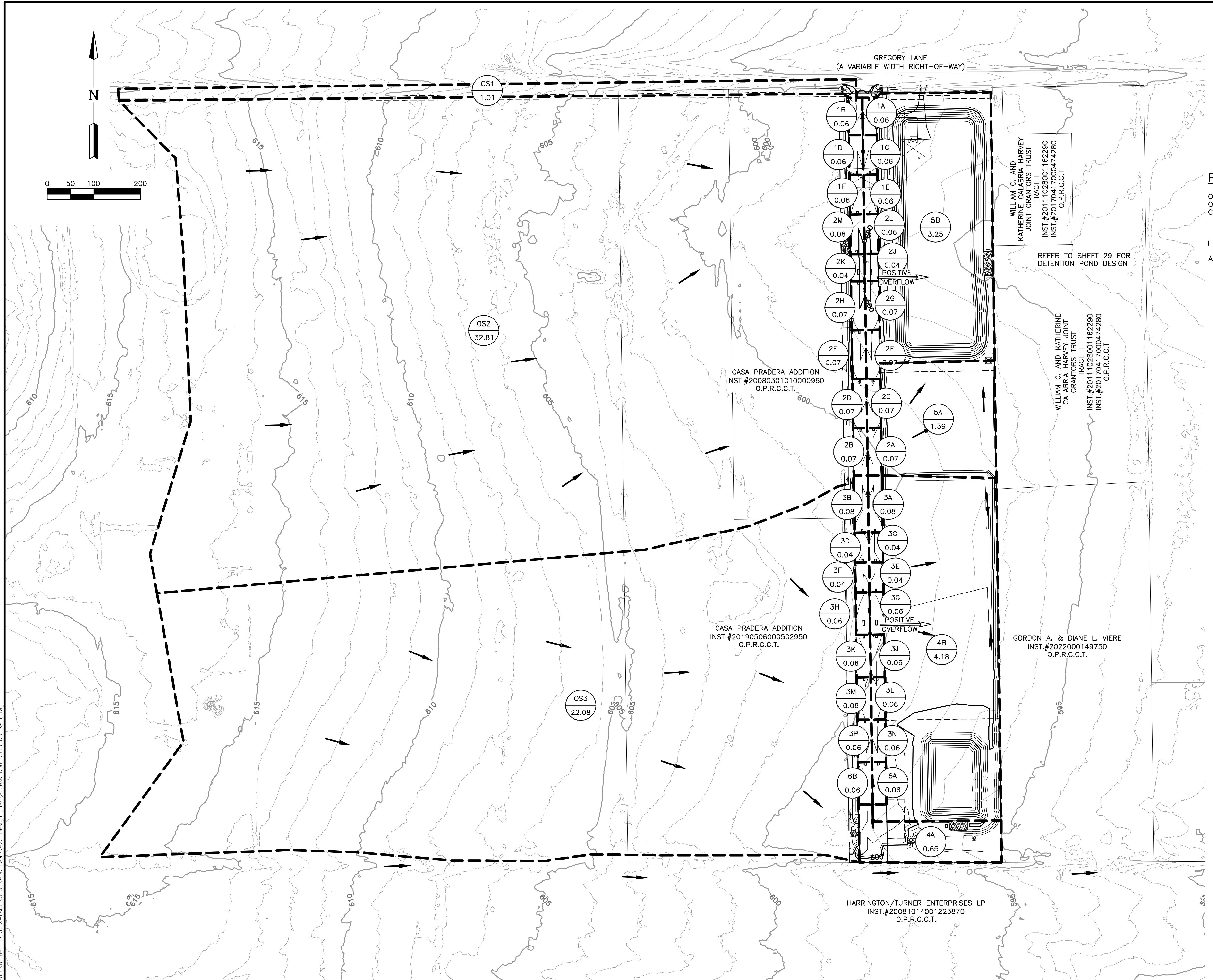
PANORAMA STREET

CITY OF PARKER

COLLIN COUNTY, TEXAS

<u>PRELIMINARY</u>		LJA PROJECT ID NT561-0133
		DATE: JUN 2023
		DESIGN: MARTINEZ
		DRAWN: MARTINEZ
		SCALE
		HORZ: 1" = 100'
		VERT: N/A
		SHEET
		13
		OF 35 SHEETS

LEGEND



DRAINAGE DESIGN CRITERIA

RATIONAL METHOD – 100 YEAR DESIGN

Q = CIA
Q - FLOW IN CUBIC FEET PER SECOND - CFS
C - RUNOFF COEFFICIENT
OPEN AREA = 0.40
LOW DENSITY RESIDENTIAL = 0.50
RETAIL = 0.90
I - INTENSITY IN INCHES PER HOUR
100 YEAR 15 MINUTE = 7.88
A - DRAINAGE AREA IN ACRES

BENCHMARKS: n ROUGHNESS COEFFICIENT

0.013 (PIPES)
0.017 (STREETS)

SEE SHEET 15 FOR
DRAINAGE AREA TABLE

BM#2 "X" CUT ON THE NORTHWEST
CORNER OF AN INLET ON THE NORTH
SIDE OF ROLLING RIDGE ROAD, AND
APPROXIMATELY 47 FEET EAST OF THE
INTERSECTION OF ROLLING RIDGE ROAD
AND PRESCOTT DRIVE, AND
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PPROXIMATELY 15 FEET SOUTH OF THE
/ERHEAD POWER LINES.

ELEV 597.995

DATE	REVISION	BY

POST-DEVELOPMENT DRAINAGE AREA MAP

PANORAMA STREET

CITY OF PARKER

COLLIN COUNTY, TEXAS

Engineering, Inc. 
North Central Expressway Phone 469.621.0710
400
Dallas, Texas 75206 FRN - F-1386

<u>PRELIMINARY</u>		LJA PROJECT ID NT561-0133
DOCUMENT IS RELEASED THE PURPOSE OF REVIEW BY THE AUTHORITY OF CARA B. HADLEY, TEXAS P.E.		
8 ON 06 27 2023		
DOCUMENT IS NOT TO BE FOR THE PURPOSES OF CONSTRUCTION.		
DATE: JUN 2023		SCALE
DESIGN: MARTINEZ		HORZ: 1" = 100'
DRAWN: MARTINEZ		VERT: N/A
SHEET		

DRAINAGE AREA SUMMARY										
DRAINAGE AREA	AREA [ac]	RUNOFF COEFF	CA	T _c [min]	I25 [in/hr]	25-YEAR ANTECEDENT	Q25 [cfs]	I100 [in/hr]	100-YEAR ANTECEDENT	Q100 [cfs]
1A	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
1B	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
1C	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
1D	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
1E	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
1F	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
2A	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2B	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2C	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2D	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2E	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2F	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2G	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2H	0.07	0.90	0.06	15.0	6.48	1.00	0.4	7.88	1.00	0.5
2J	0.04	0.90	0.04	15.0	6.48	1.00	0.2	7.88	1.00	0.3
2K	0.04	0.90	0.04	15.0	6.48	1.00	0.2	7.88	1.00	0.3
2L	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
2M	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3A	0.08	0.90	0.07	15.0	6.48	1.00	0.5	7.88	1.00	0.6
3B	0.08	0.90	0.07	15.0	6.48	1.00	0.5	7.88	1.00	0.6
3C	0.04	0.90	0.04	15.0	6.48	1.00	0.2	7.88	1.00	0.3
3D	0.04	0.90	0.04	15.0	6.48	1.00	0.2	7.88	1.00	0.3
3E	0.04	0.90	0.04	15.0	6.48	1.00	0.2	7.88	1.00	0.3
3F	0.04	0.90	0.04	15.0	6.48	1.00	0.2	7.88	1.00	0.3
3G	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3H	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3I	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3K	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3L	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3M	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3N	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3P	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3Q	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3R	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3S	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3T	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3U	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3V	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3W	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3X	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3Y	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3Z	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
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3AB	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AC	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AD	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AE	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AF	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AG	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AH	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AI	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AJ	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AK	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AL	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AM	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AN	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AO	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AP	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AQ	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AR	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AS	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AT	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AU	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AV	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AW	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AX	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AY	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AZ	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AA	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AB	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AC	0.06	0.90	0.05	15.0	6.48	1.00	0.3	7.88	1.00	0.4
3AD	0.06	0.90	0.05	15.0	6					

N NODE	K _j	EQUATION
end of line	1.25	LOSS = K _j $\frac{V_{OUT}^2}{2g}$
end	0.35	
end	0.43	
size change	N/A	
connection	0.60	LOSS = $\frac{V_{OUT}^2}{2g} - K_j \frac{V_{IN}^2}{2g}$
connection	0.75	
le without inflow (90°)	0.25	
le with inflow (90°)	0.25	

A SUPERCRITICAL FLOW REGIME WITH PARTIAL FLOW CONDITIONS, HEAD LOSSES ARE NOT GENERATED AT UPSTREAM JUNCTIONS. JUNCTION HEAD LOSS HAS BEEN SET TO ZERO.

DRAINAGE CALCULATIONS

ANORAMA STREET

**CITY OF PARKER
LIN COUNTY, TEXAS**

Engineering, Inc.		LJA	
al Expressway		Phone 469.621.0710	
206		FRN - F-1386	
NARY		LJA PROJECT ID NT561-0133	
IS RELEASED PURPOSE OF NEW AUTHORITY OF LEY, TEXAS P.E.		DATE: JUN 2023	
2023 IS NOT TO BE PURPOSES OF CTION.		DESIGN: MARTINEZ	
		DRAWN: MARTINEZ	
		SCALE	
		HORZ: N/A	
		VERT: N/A	
		SHEET	
		16	
		OF 35 SHEETS	

Culvert Design - North Pond: Trial-1

Solve For: Headwater Elevation

Section

Shape: Box
Material: Concrete
Size: 4 x 2 ft
Number: 4
Mannings: 0.013

Grades

Upstream Invert: 594.70 ft
Downstream Invert: 594.43 ft
Length: 90.00 ft
Constructed Slope: 0.3000 %

Headwater Elevations

Maximum Allowable: 596.80 ft
Computed Headwater: 596.87 ft
Inlet Contrl: 596.69 ft
Outlet Contrl: 596.87 ft

Inlet

Entrance: 90° headwall w 45° bevels
Ke: 0.50

Select the Storm to Solve For

Design Storm: Check Storm
Design Storm: 129.30 cfs
Check Storm: 0.00 cfs

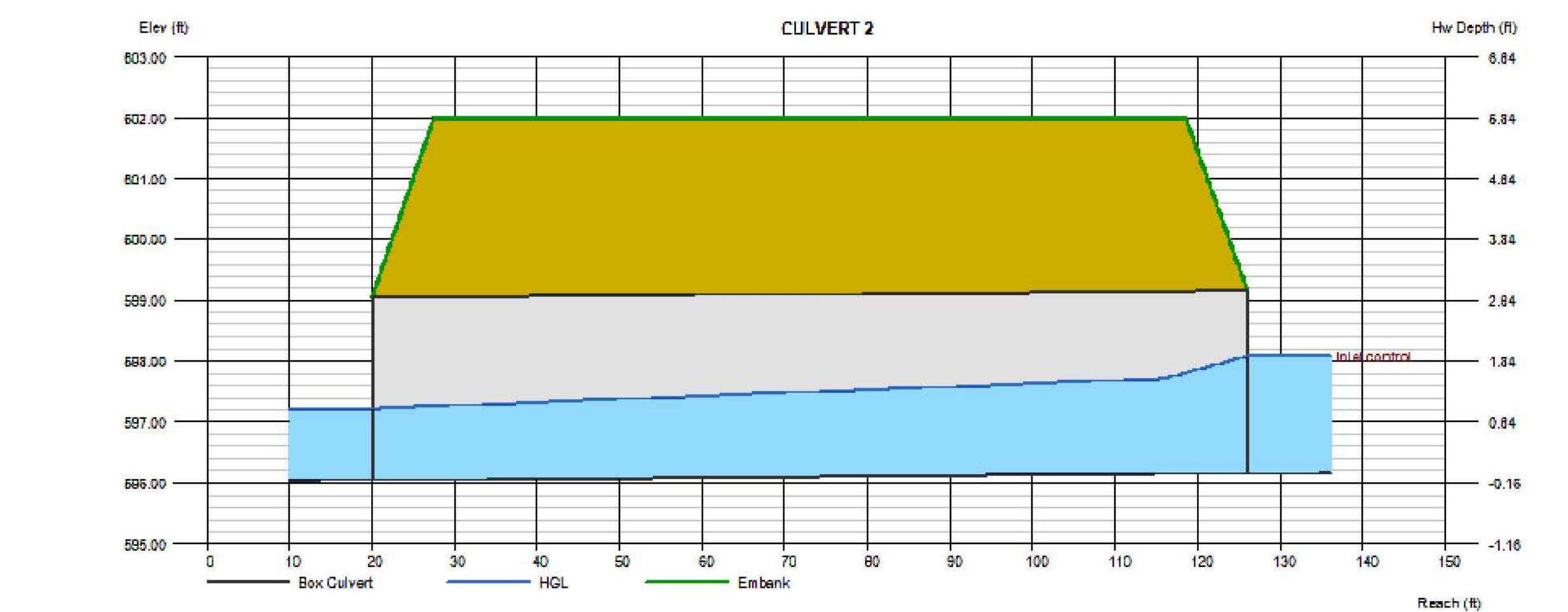
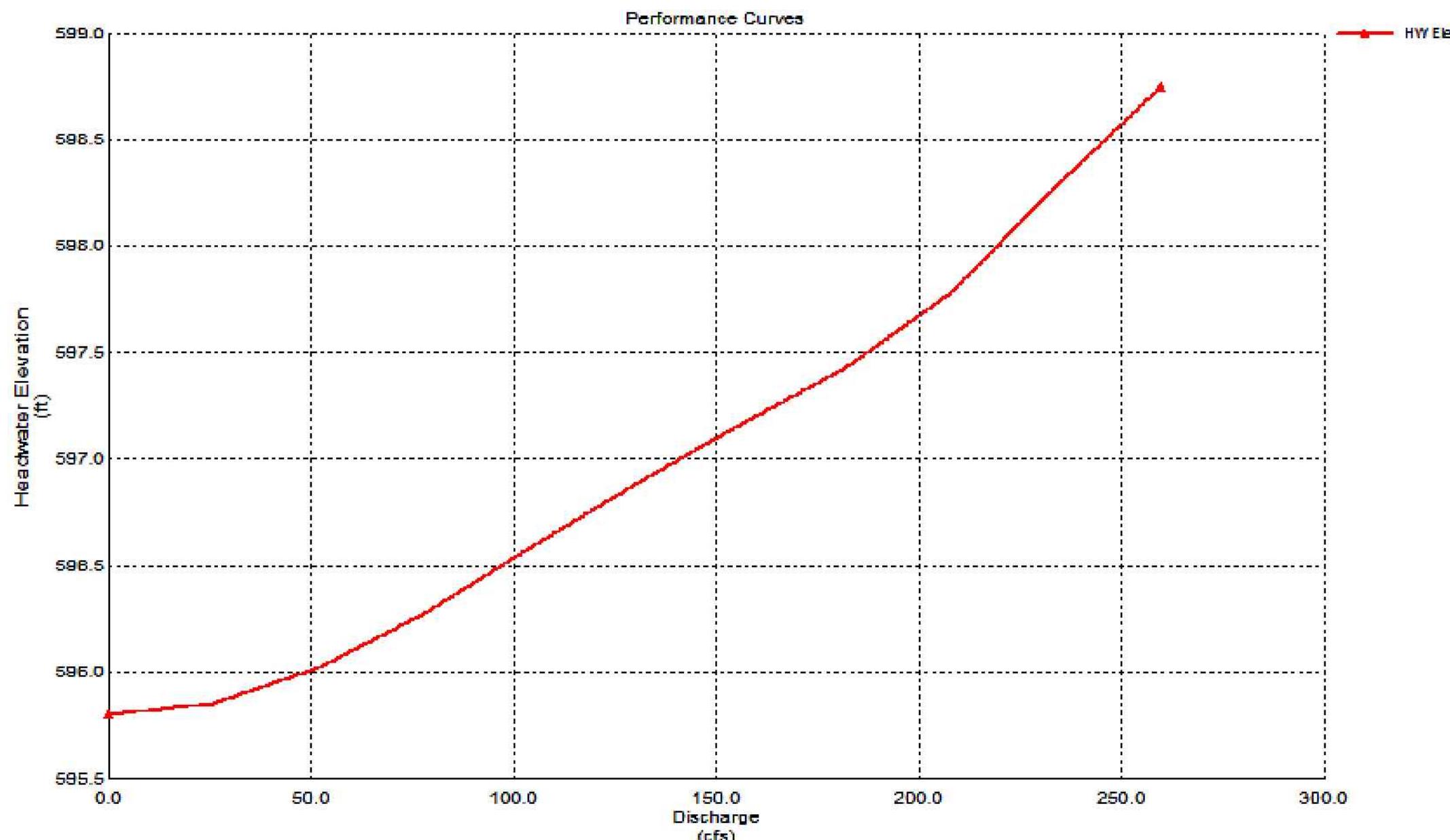
Exit Results

Discharge: 129.30 cfs
Velocity: 5.90 ft/s
Depth: 1.37 ft
Tailwater Elevation: 595.80 ft

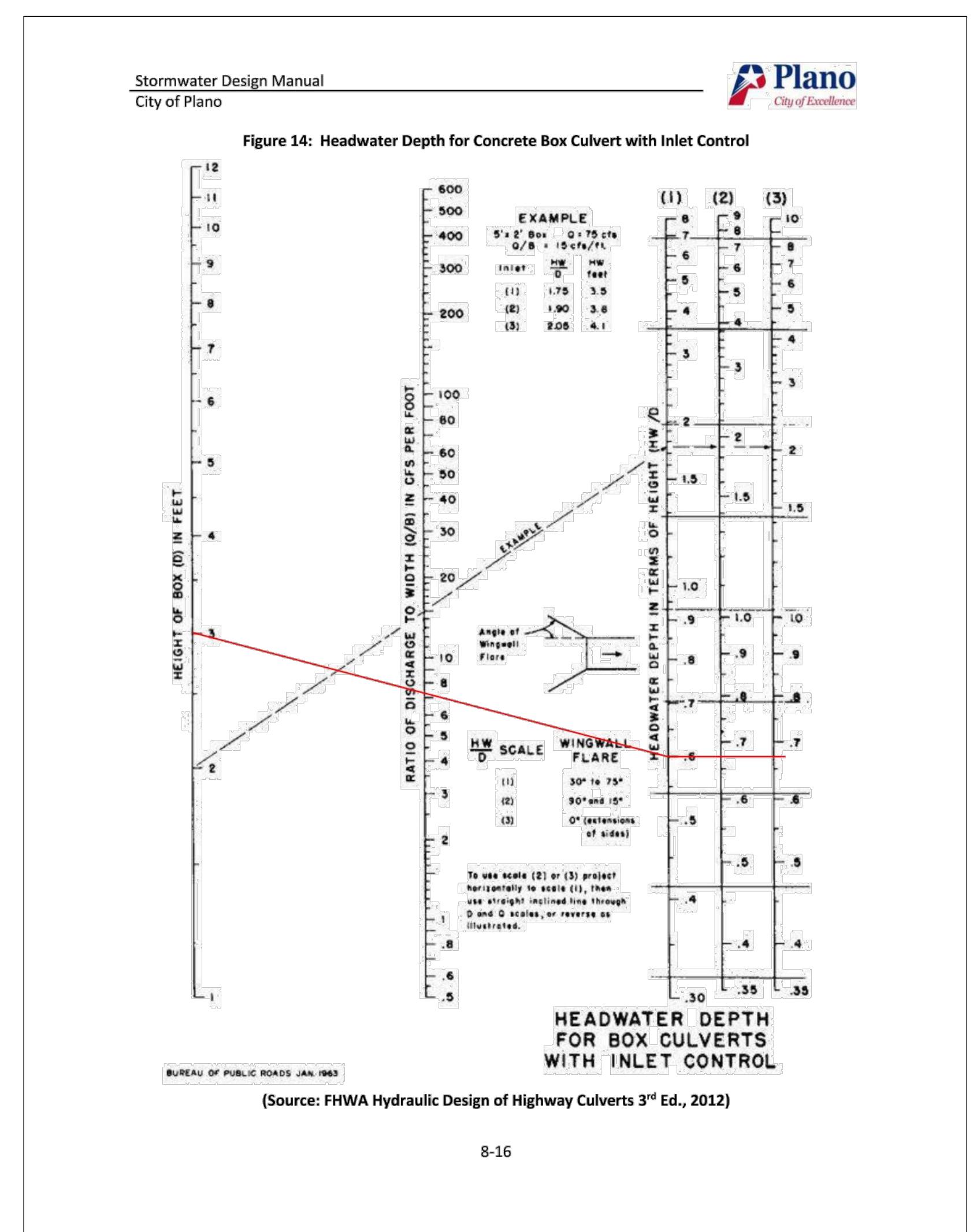
OK Cancel Output... Solve Export... Help

Make this the selected design

CULVERT 1



Q			Veloc		Depth		HGL			
Total	Pipe	Over	Dn	Up	Dn	Up	Dn	Up	Hw	HwD
(cfs)	(cfs)	(cfs)	(ft/s)	(ft/s)	(in)	(in)	(ft)	(ft)	(ft)	(ft)
83.00	83.00	0.00	6.06	4.40	13.70	18.87	597.19	597.73	598.03	0.62
84.00	84.00	0.00	6.08	4.43	13.81	18.98	597.20	597.74	598.04	0.63
86.00	86.00	0.00	6.11	4.46	13.92	19.09	597.21	597.76	598.06	0.63
88.00	88.00	0.00	6.13	4.48	14.02	19.20	597.22	597.78	598.07	0.64
87.00	87.00	0.00	6.16	4.51	14.13	19.31	597.23	597.77	598.09	0.64



DESIGN NODE	K _j	EQUATION
Inlet at end of line	1.25	$LOSS = K_j \frac{V^2}{2g}$
45° bend	0.35	
60° bend	0.43	
Pipe size change	N/A	
60° wye connection	0.60	$LOSS = \frac{V_{OUT}^2 - V_{IN}^2}{2g}$
45° wye connection	0.75	
Manhole without inflow (90°)	0.25	
Manhole with inflow (90°)	0.25	

(*) DENOTES PARTIAL FLOW VELOCITY/DEPTH
(*) DENOTES NORMAL FLOW VELOCITY/DEPTH
(**) DENOTES HGL AT TOP OF PIPE (UPSTREAM PIPE IN FULL FLOW)
[-] DENOTES TIME OF CONCENTRATION SET SAME AS UPSTREAM JUNCTION.
^ DENOTES SUPERCRITICAL FLOW REGIME.

NOTE: IN A SUPERCRITICAL FLOW REGIME WITH PARTIAL FLOW CONDITIONS, HEAD LOSSES ARE NOT GENERATED AT UPSTREAM JUNCTIONS. JUNCTION HEAD LOSS HAS BEEN SET TO ZERO.

| DATE | REVISION | BY |

DRAINAGE CALCULATIONS

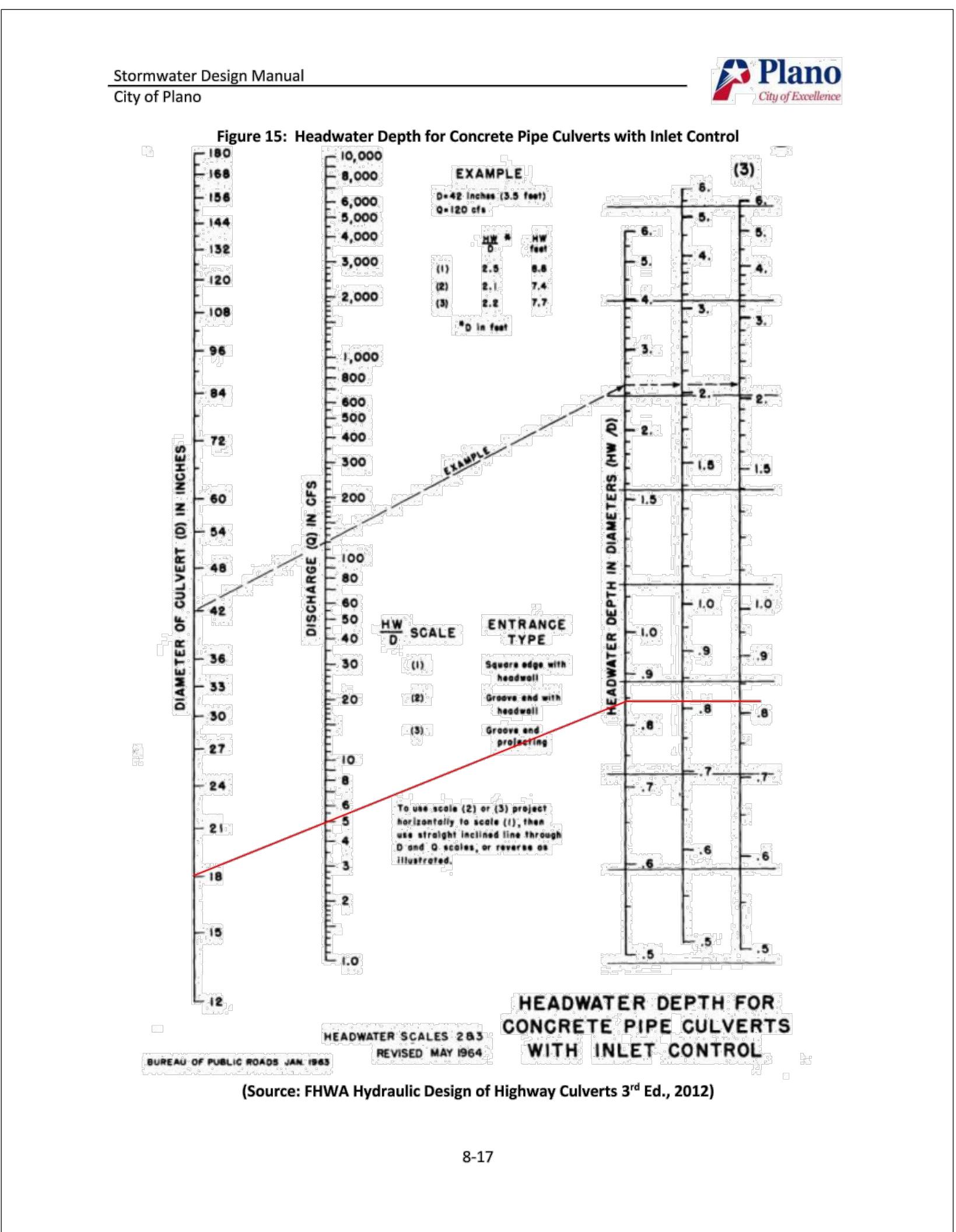
PANORAMA STREET

CITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc. 
6060 North Central Expressway
Suite 400
Dallas, Texas 75206
Phone 469.621.0700
FRN-F-1386

PRELIMINARY
DATE: JUN 2023
DESIGN: MARTINEZ
DRAWN: MARTINEZ
SCALE: N/A
HORZ: N/A
VERT: N/A
SHEET: 17
OF 35 SHEETS

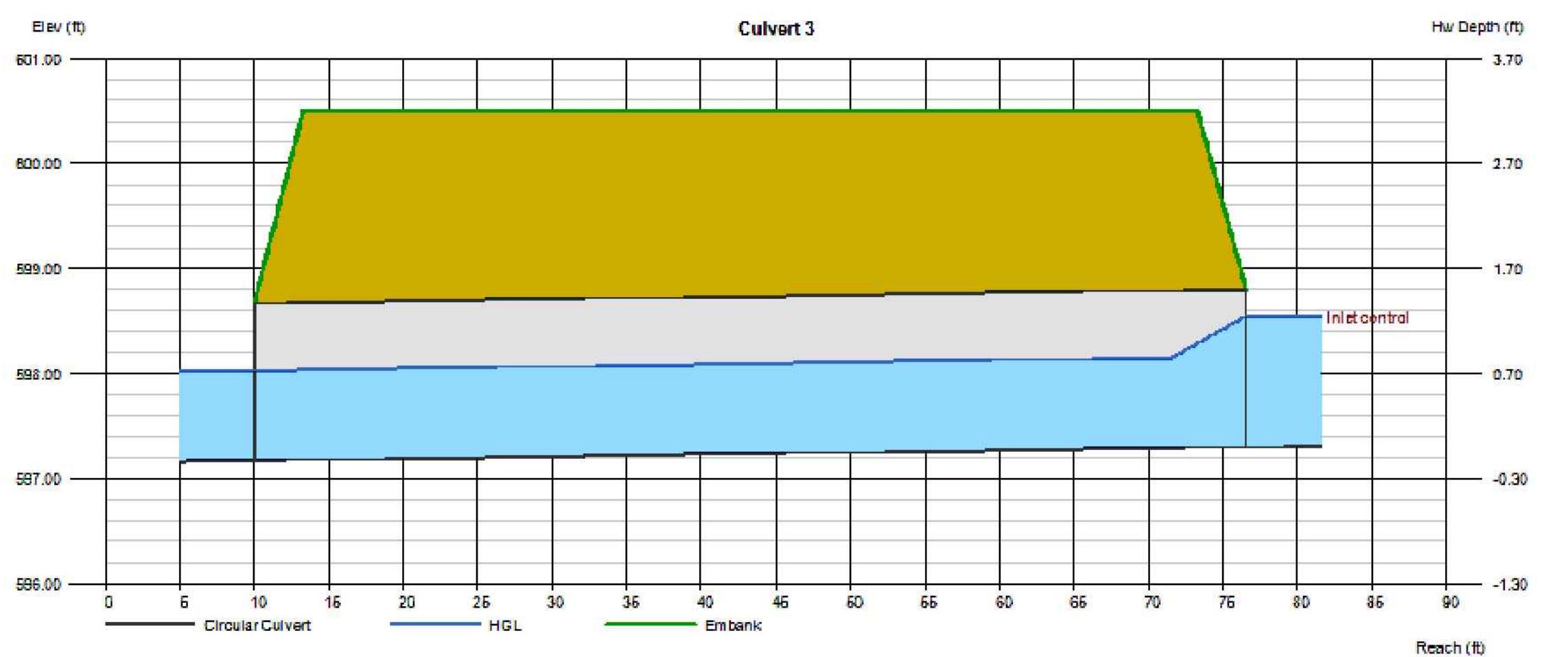
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW
UNDER THE AUTHORITY OF VERONICA B. HADLEY, TEXAS P.E.
#143748 ON 06 27 2023
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Inlet at end of line	1.25	$LOSS = K_j \frac{V^2}{2g}$
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60° bend	0.43	
Pipe size change	N/A	
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Manhole without inflow (90°)	0.25	
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(e) DENOTES PARTIAL FLOW VELOCITY/DEPTH
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(H) DENOTES HGL AT TOP OF PIPE (UPSTREAM PIPE IN FULL FLOW)
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NOTE: IN A SUPERCRITICAL FLOW REGIME WITH PARTIAL FLOW CONDITIONS, HEAD LOSSES ARE NOT GENERATED AT UPSTREAM JUNCTIONS. JUNCTION HEAD LOSS HAS BEEN SET TO ZERO.



Q		Veloc		Depth		HGL				
Total	Pipe	Over	Dn	Up	Dn	Up	Dn	Up	Hw	Hw/D
(cfs)	(cfs)	(cfs)	(ft/s)	(ft/s)	(in)	(in)	(ft)	(ft)	(ft)	
3.00	3.00	0.00	4.02	4.02	7.90	7.90	697.83	697.96	698.22	0.61
3.60	3.60	0.00	4.23	4.23	8.66	8.66	697.88	698.01	698.31	0.67
4.00	4.00	0.00	4.42	4.42	9.16	9.16	697.93	698.06	698.39	0.73
4.60	4.60	0.00	4.60	4.60	9.76	9.76	697.98	698.11	698.47	0.78
5.00	5.00	0.00	4.77	4.77	10.32	10.32	698.03	698.16	698.65	0.83

LJA Engineering, Inc. 
6060 North Central Expressway Phone 469.621.0710
Suite 400
Dallas, Texas 75206 FRN: F-1386

PRELIMINARY LJA PROJECT ID
NT561-0133

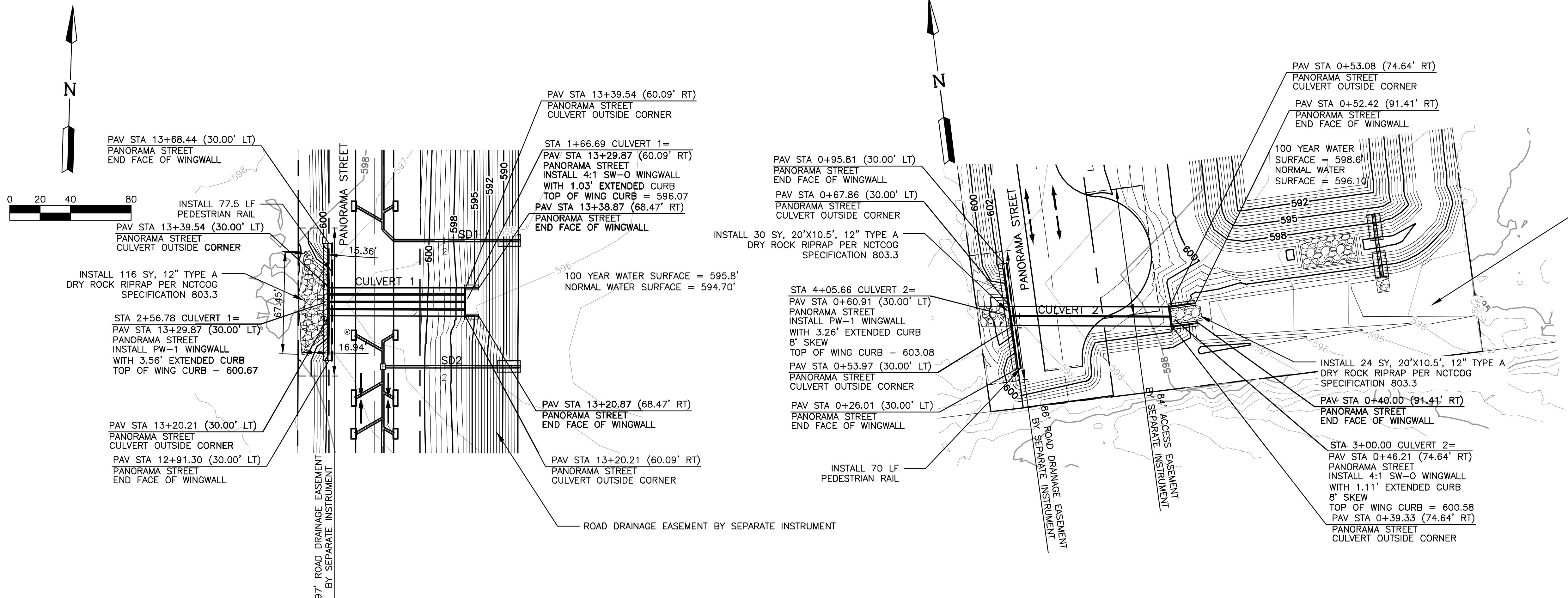
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DATE: JUN 2023
DESIGN: MARTINEZ
DRAWN: MARTINEZ
SCALE: HORZ: N/A VERT: N/A
SHEET: 18 OF 35 SHEETS

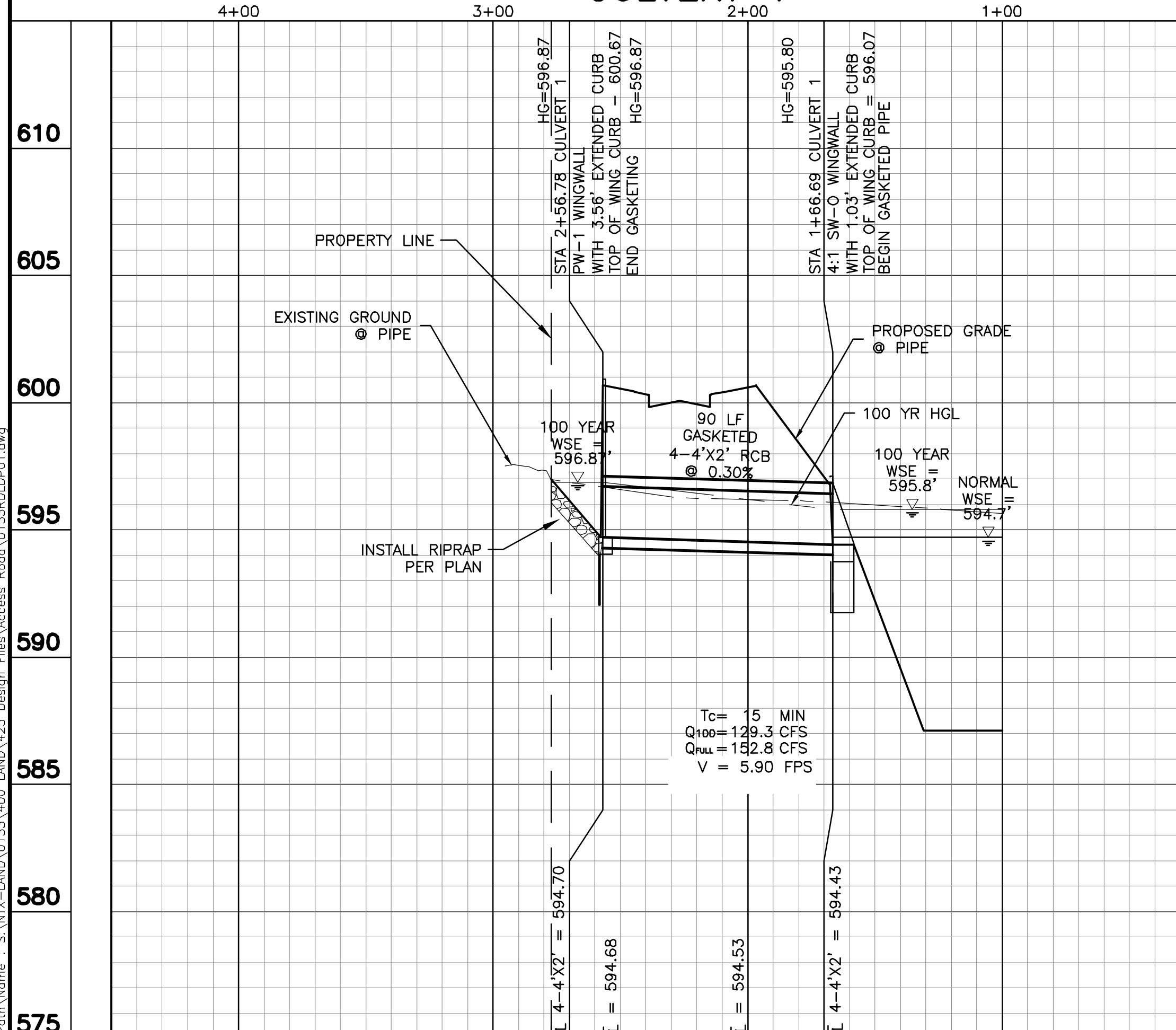
OTES:

- 1. BOX CULVERTS ARE DESIGNED AS CAST-IN-PLACE.
- 2. ALL INLETS ARE TO BE CAST IN PLACE UNLESS NOTED OTHERWISE.

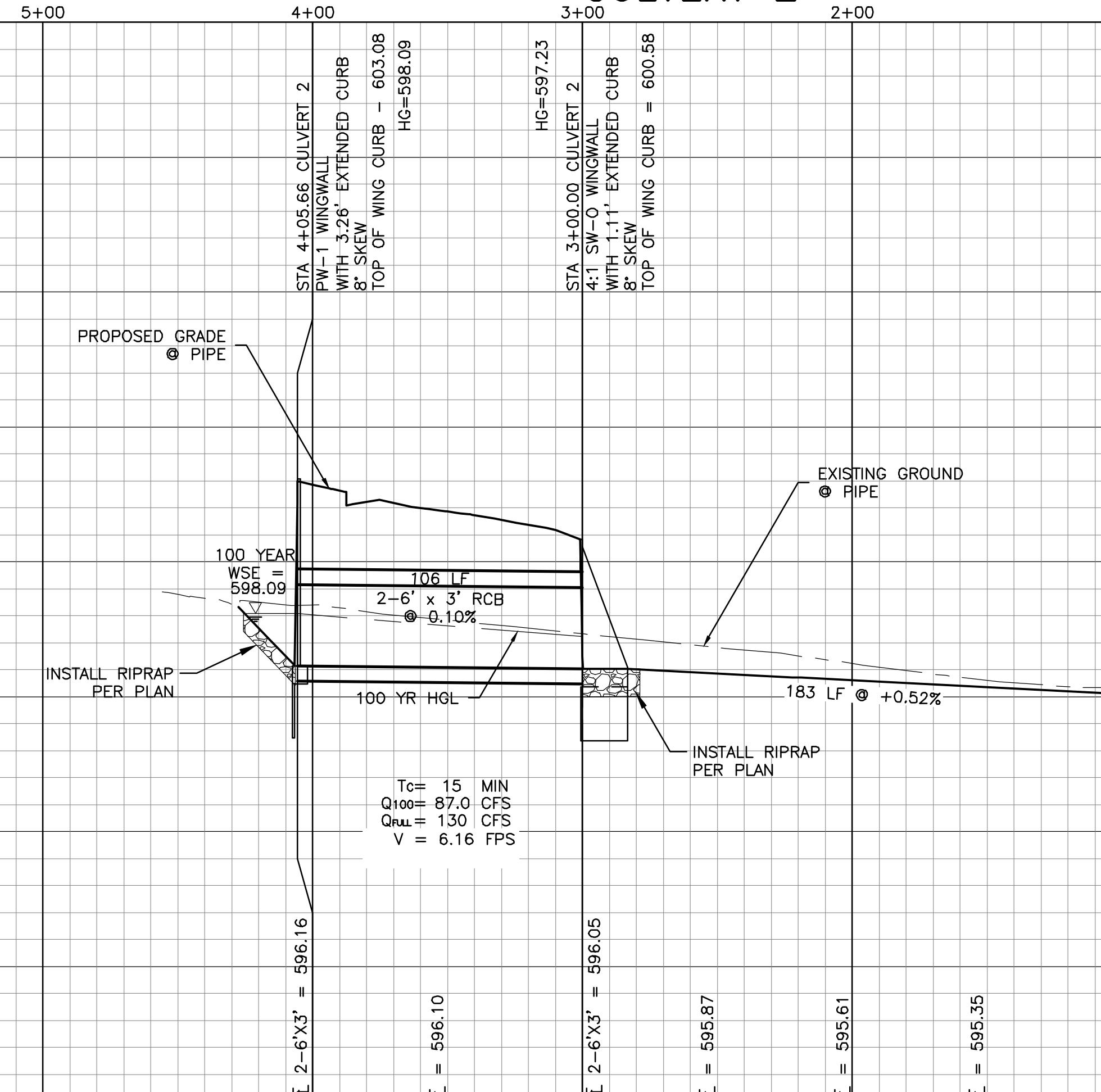
PANORAMA STREET



CULVERT 1



CULVERT 2



STORM DRAIN PLAN & PROFILE

CULVERT 1 & CULVERT 2

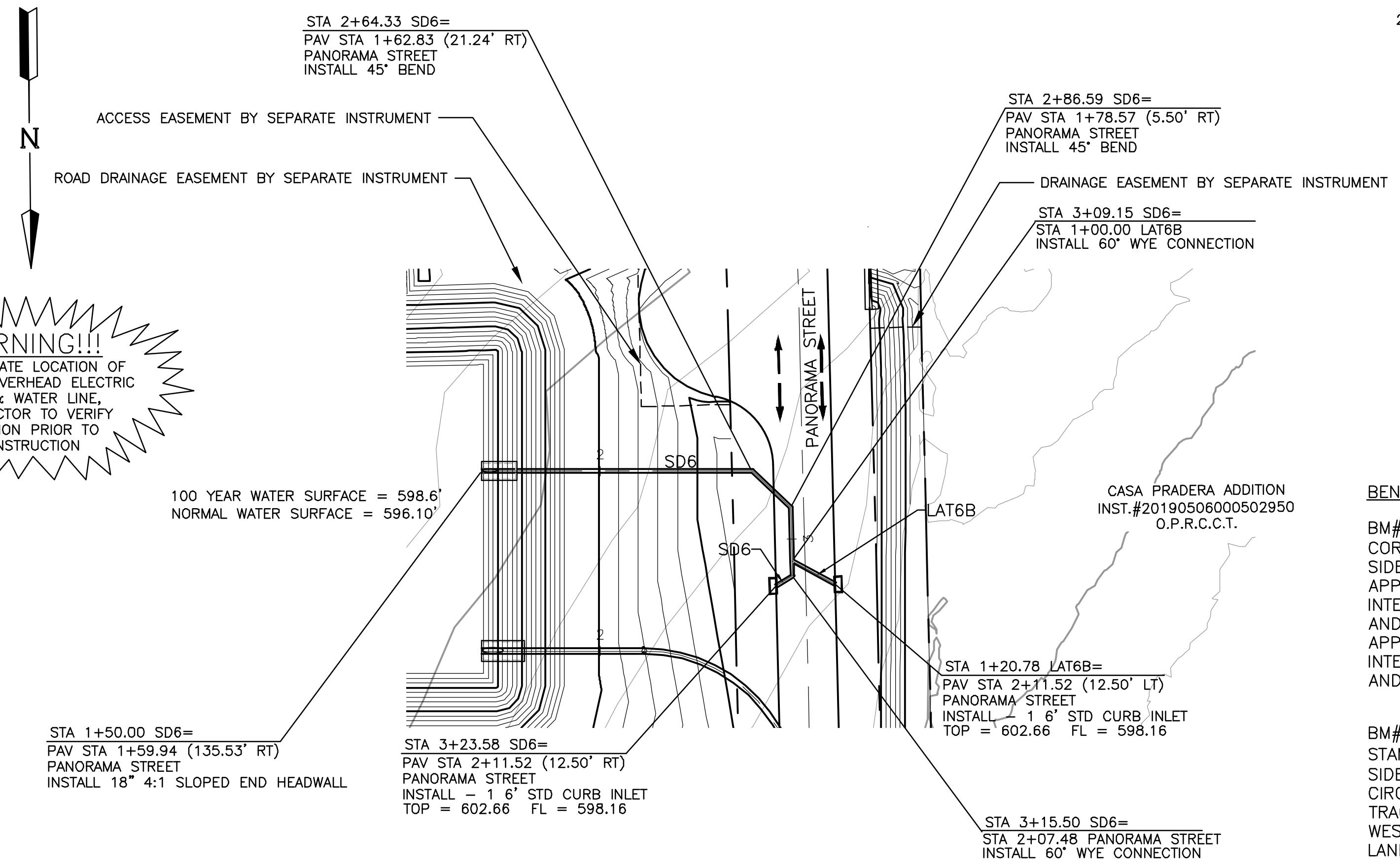
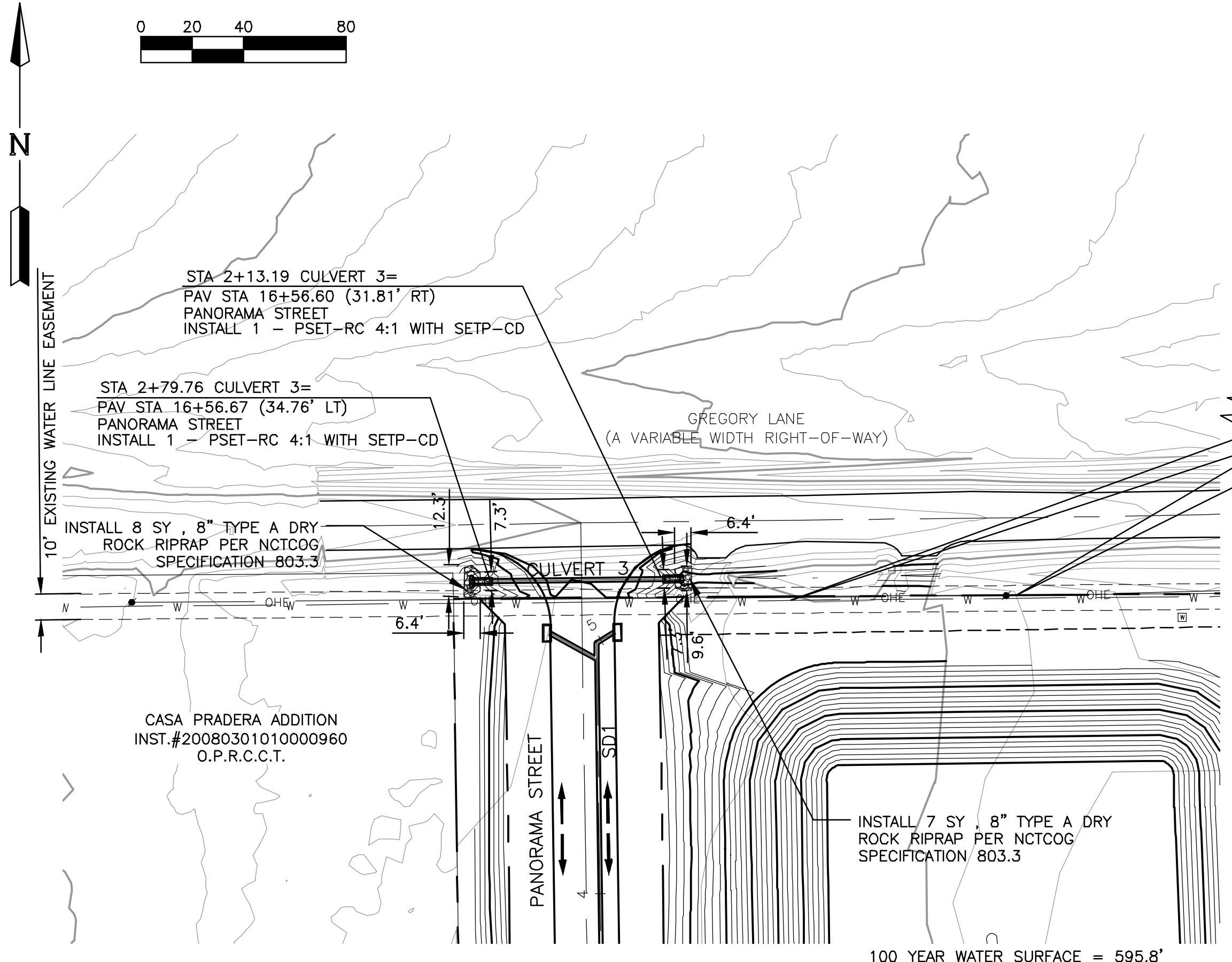
**CITY OF PARKER
COLLIN COUNTY, TEXAS**

The image shows the logo for Engineering, Inc. on the left, featuring the company name in a bold, italicized font and the letters LJA above it. To the right is a large, stylized graphic of the letters LJA. Below the logo is the company's address: 400 North Central Expressway, Dallas, Texas 75206. To the right of the address is the phone number 469.621.0710. At the bottom right is the FBN number F 1286.

<u>PRELIMINARY</u>		LJA PROJECT ID NT561-0133
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		SCALE
		HORZ: 1" = 40'
		VERT: 1" = 4'
		SHEET
		19
		OF 35 SHEETS

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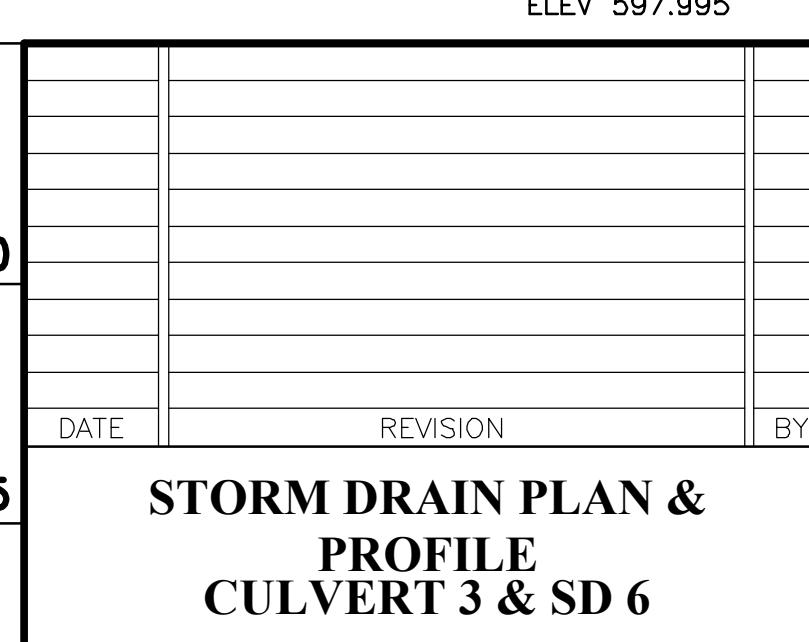
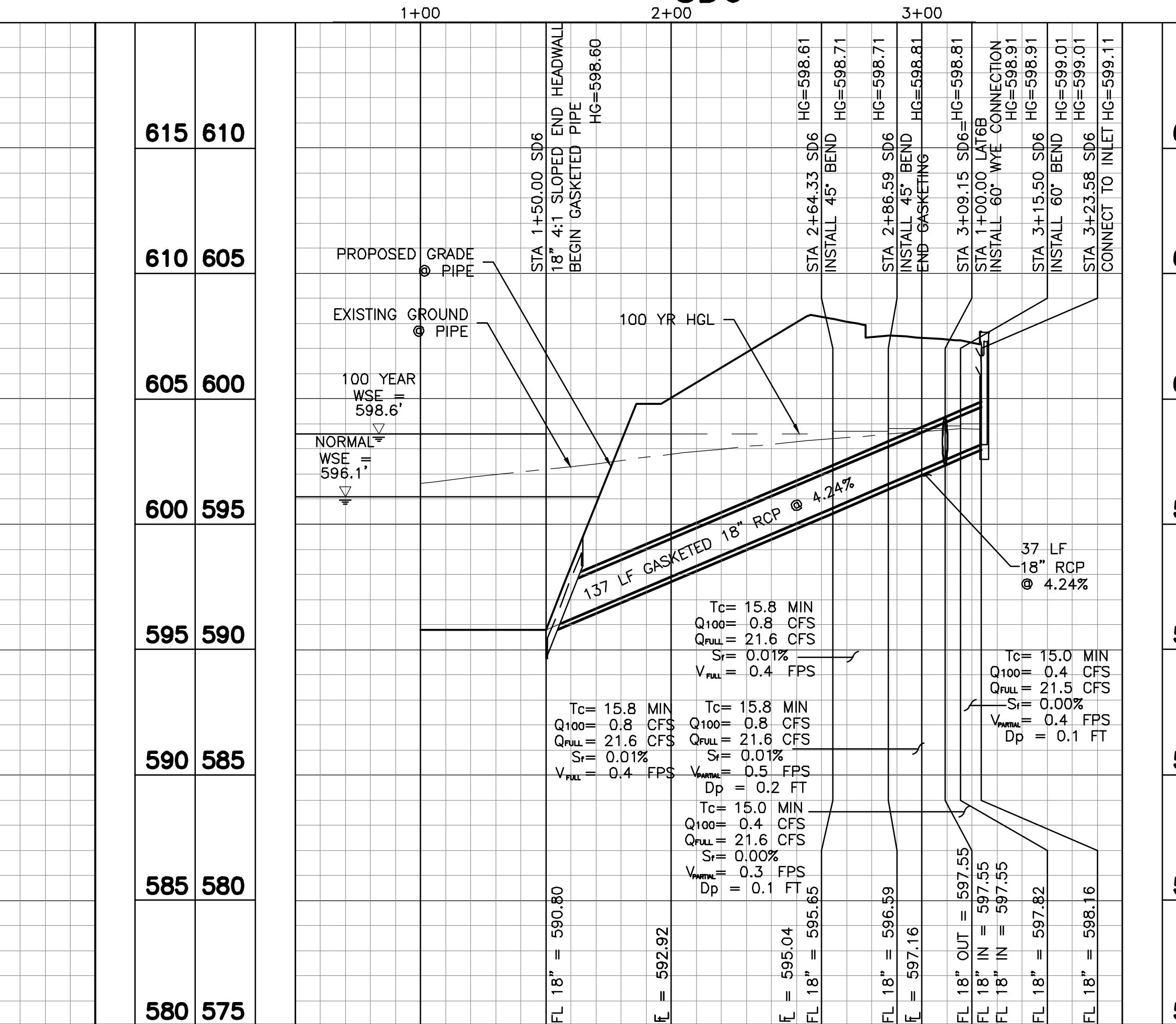
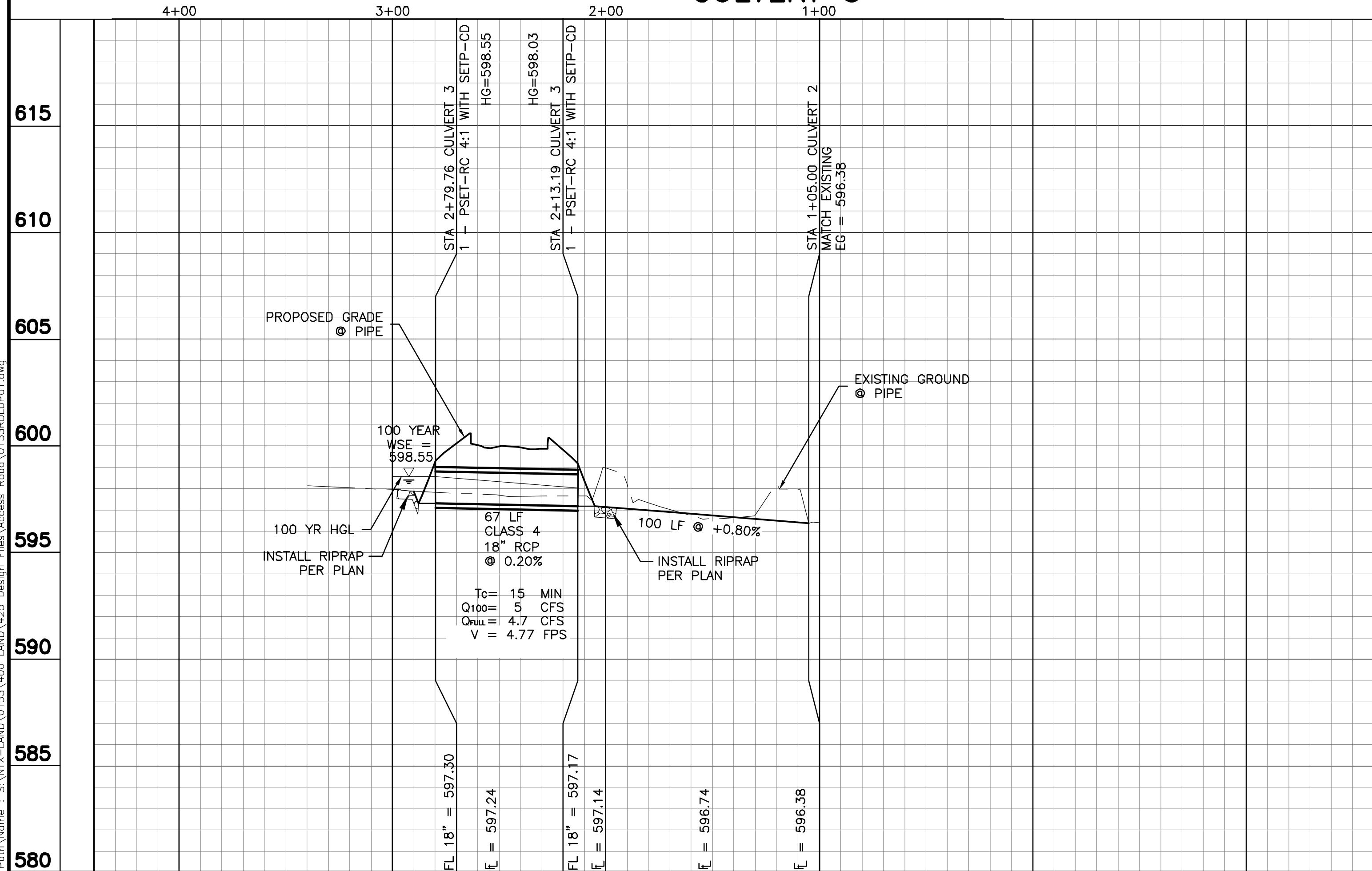


BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE. ELEV 605.438

BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES. ELEV 597.995

CULVERT 3



PANORAMA STREET

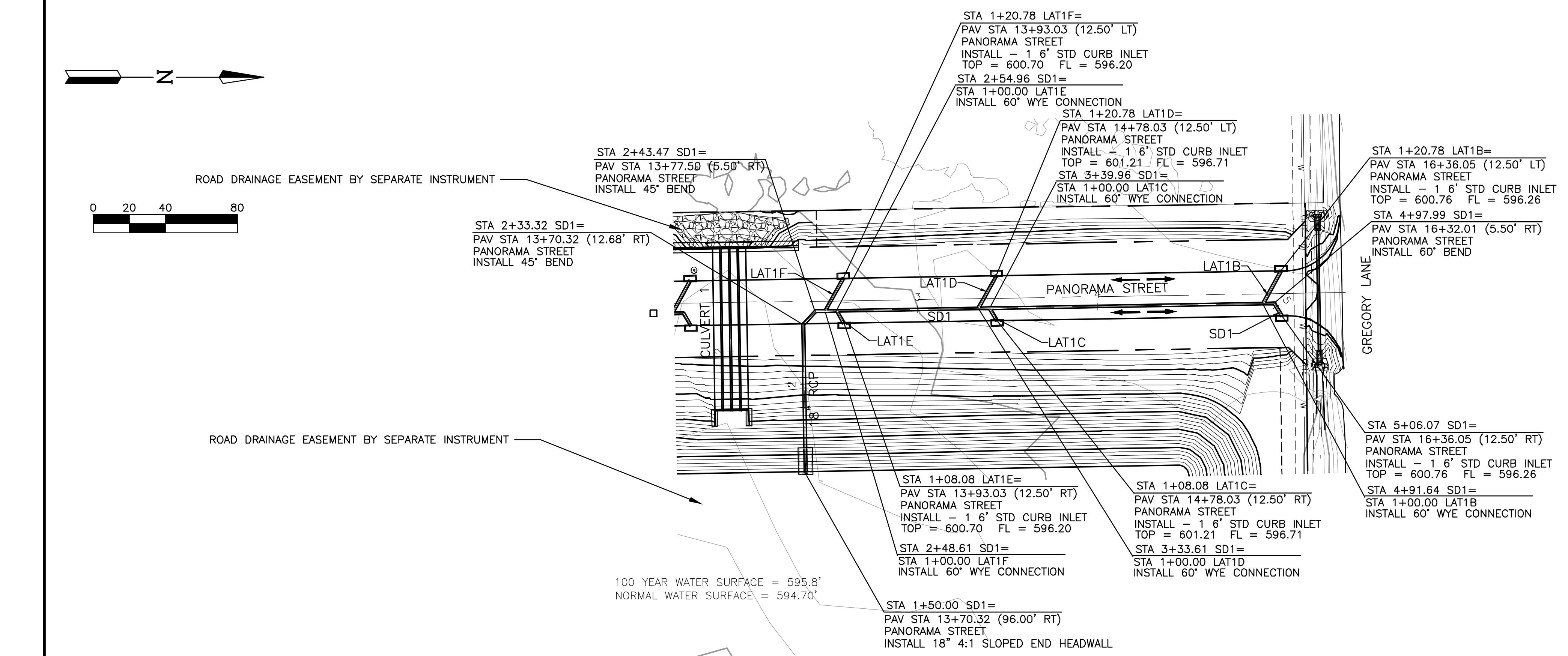
CITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc. 
6060 North Central Expressway
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Dallas, Texas 75206
Phone 469.621.0710
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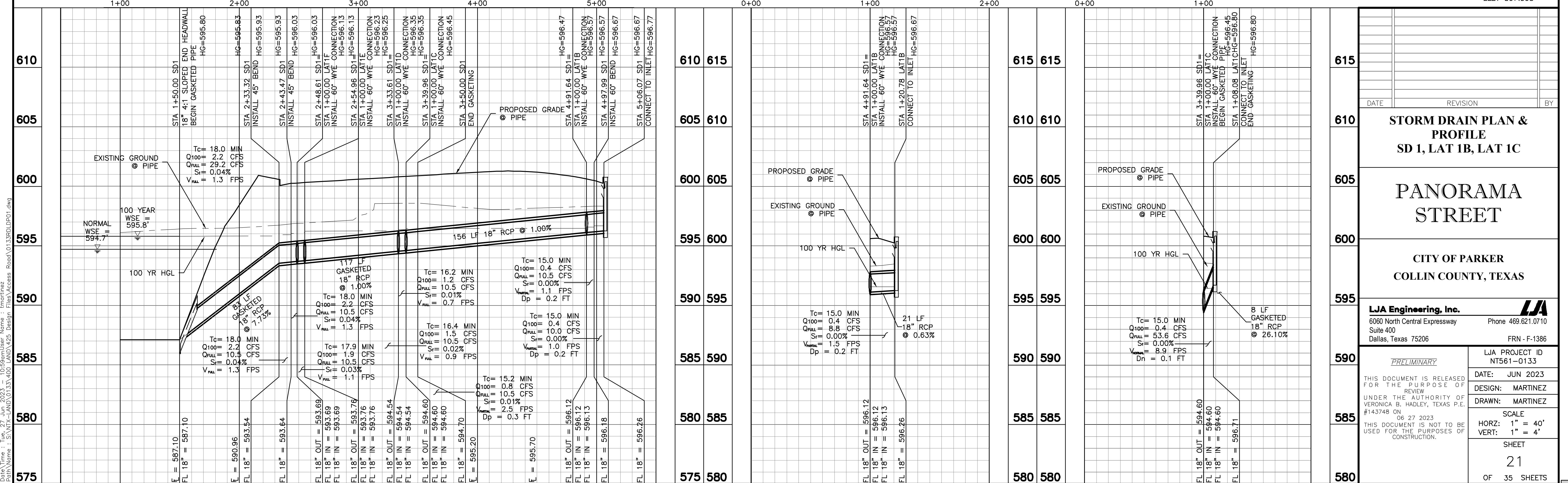
PRELIMINARY
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DATE: JUN 2023
DESIGN: MARTINEZ
DRAWN: MARTINEZ
SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'
SHEET: 20
OF 35 SHEETS

NOTES:
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PANORAMA STREET



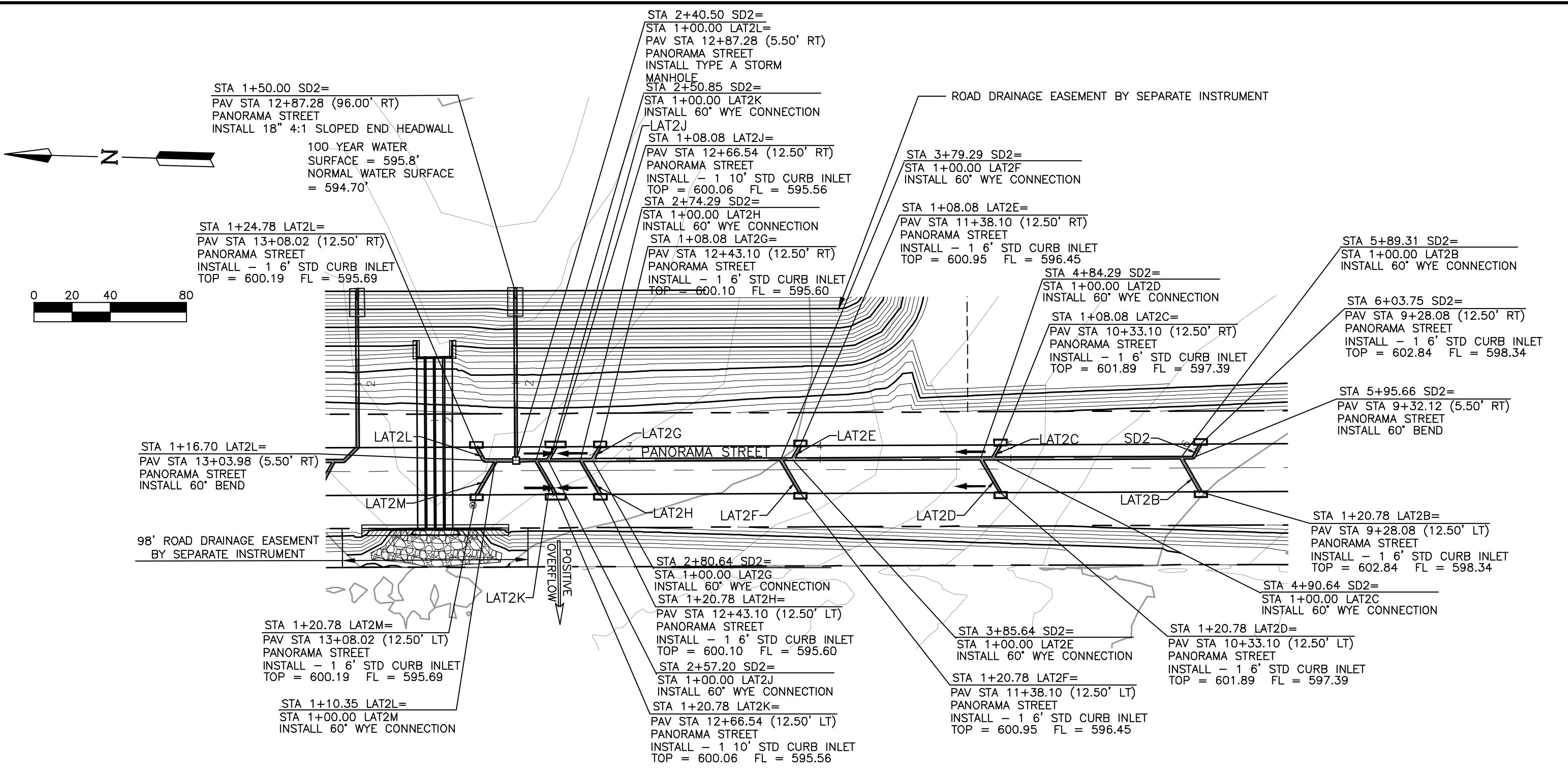
BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.
 ELEV 597.995



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PANORAMA STREET



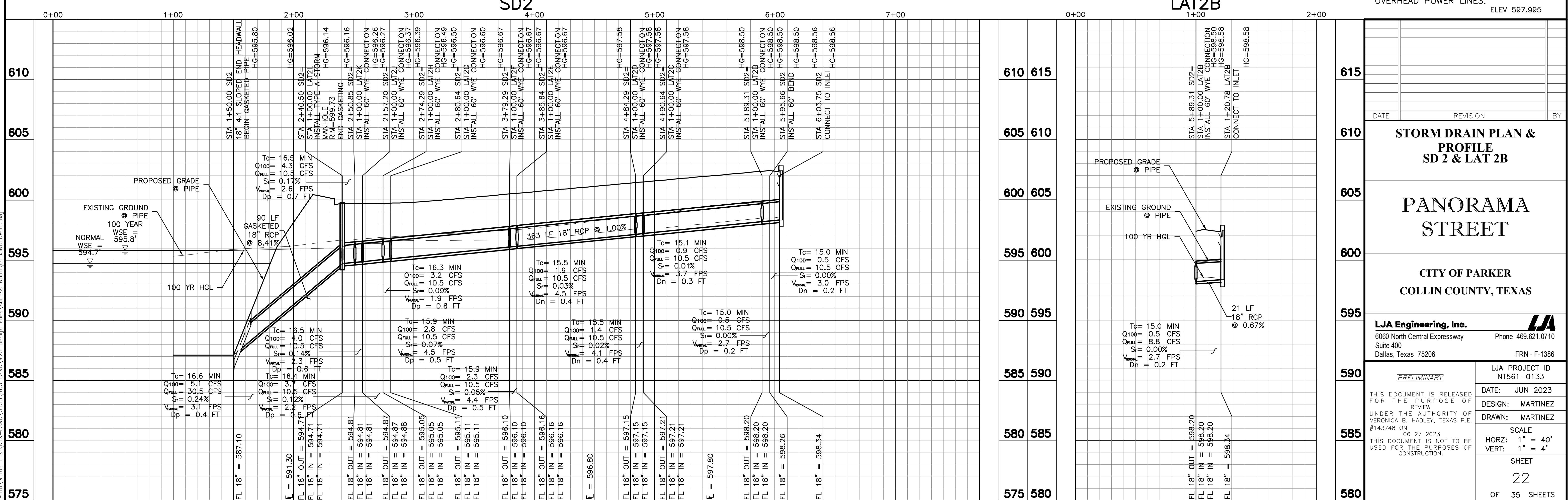
CHMARKS:

2 "X" CUT ON THE NORTHWEST
ENDER OF AN INLET ON THE NORTH
E OF ROLLING RIDGE ROAD, AND
ROXIMATELY 47 FEET EAST OF THE
ERSECTION OF ROLLING RIDGE ROAD
D PRESCOTT DRIVE, AND
ROXIMATELY 351 FEET WEST OF THE
ERSECTION OF ROLLING RIDGE DRIVE
D OVERLAND DRIVE.

LEV 605.438

3 5/8" IRON ROD WITH CAP
MPED "RANDOM" SET ON THE SOUTH
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HOUSE LOCATED ON THE SITE, AND
ROXIMATELY 15 FEET SOUTH OF THE
RHEAD POWER LINES.

LEV 597.995



STORM DRAIN PLAN & PROFILE SD 2 & LAT 2B

PANORAMA STREET

**CITY OF PARKER
COLLIN COUNTY, TEXAS**

Engineering, Inc. 
North Central Expressway Phone 469.621.0710
400
s, Texas 75206 FRN - F-1386

<u>PRELIMINARY</u>	LJA PROJECT ID NT561-0133
DOCUMENT IS RELEASED THE PURPOSE OF REVIEW FOR THE AUTHORITY OF CA B. HADLEY, TEXAS P.E. 8 ON 06 27 2023	DATE: JUN 2023 DESIGN: MARTINEZ DRAWN: MARTINEZ SCALE HORZ: 1" = 40' VERT: 1" = 4'
DOCUMENT IS NOT TO BE FOR THE PURPOSES OF CONSTRUCTION.	

SHEET
22
OF 35 SHEETS

OTES:

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PANORAMA STREET

CENTERLINE CURVE DATA					
#	DELTA	RADIUS	LENGTH	CHORD	C-L
1	88°33'11"	65.00'	100.46'	N45°07'00"W	90.76'

CHMARKS:

2 "X" CUT ON THE NORTHWEST
CORNER OF AN INLET ON THE NORTH
E OF ROLLING RIDGE ROAD, AND
PROXIMATELY 47 FEET EAST OF THE
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LEV 605.438

3 5/8" IRON ROD WITH CAP
MPED "RANDOM" SET ON THE SOUTH
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HOUSE LOCATED ON THE SITE, AND
ROXIMATELY 15 FEET SOUTH OF THE
RHEAD POWER LINES.

TEV 597.995

AT3B

1+00 2+
STA 7+16.74 SD3=
STA 1+00.00 LAT3B
INSTALL 60° WYE CONNECTION
HG=599.71
STA 1+20.78 LAT3B HG=599.71
CONNECT TO INLET HG=599.81

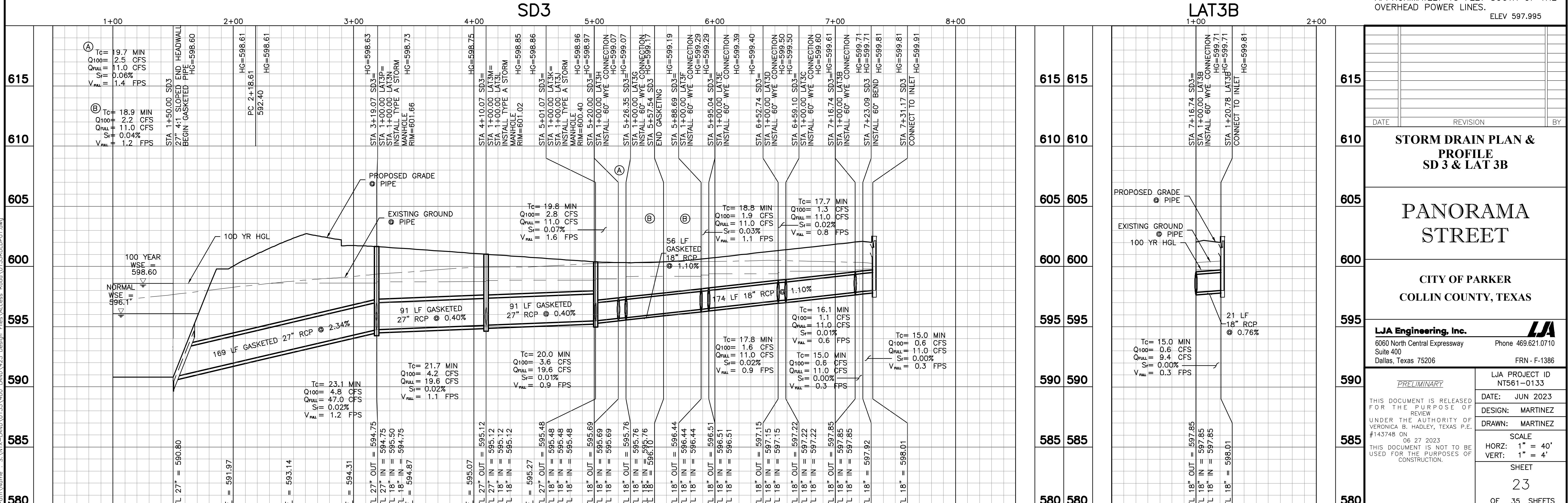
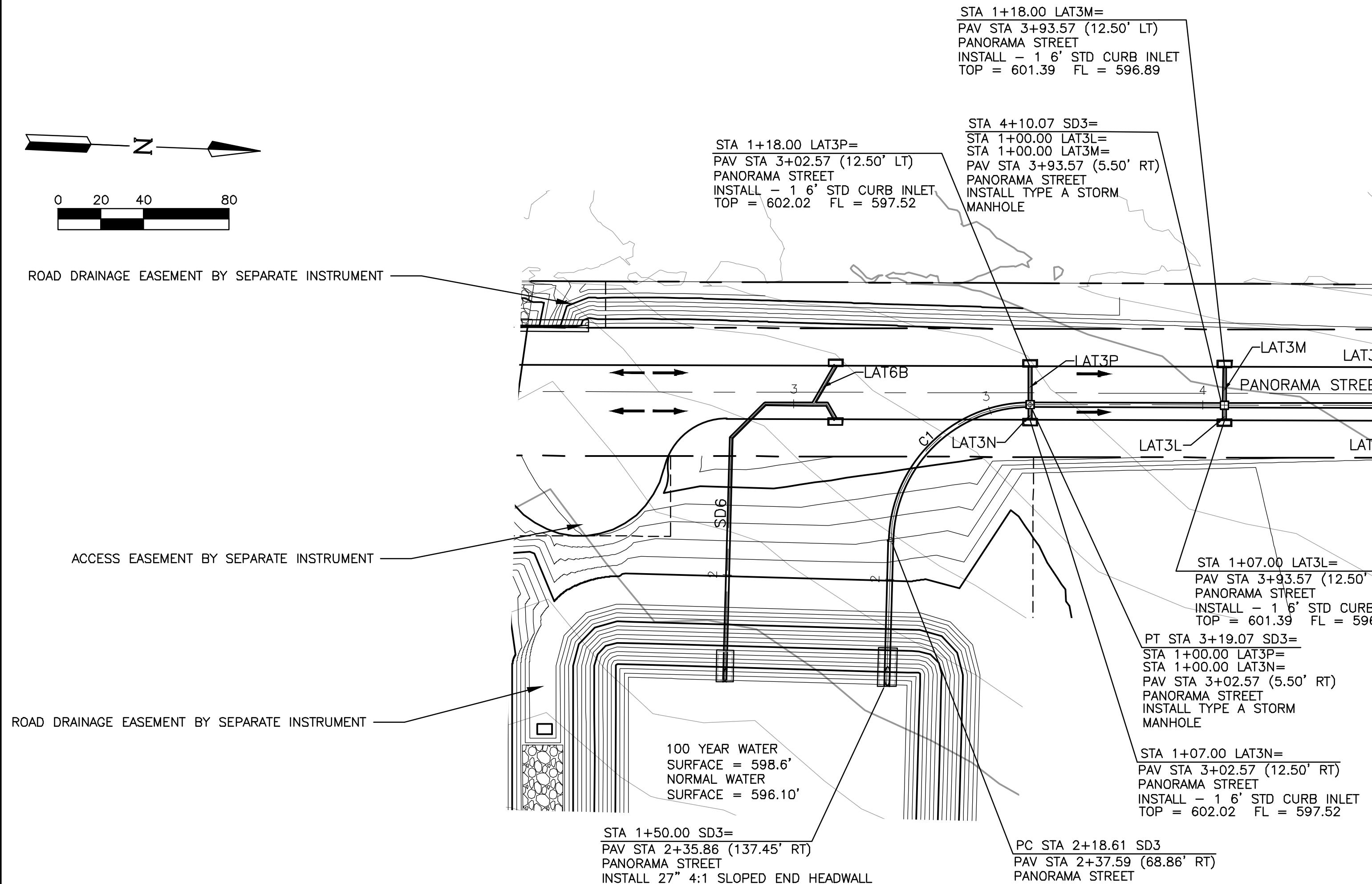
REVISION BY

STORM DRAIN PLAN & PROFILE SD 3 & LAT 3B

PANORAMA STREET

**CITY OF PARKER
COLLIN COUNTY, TEXAS**

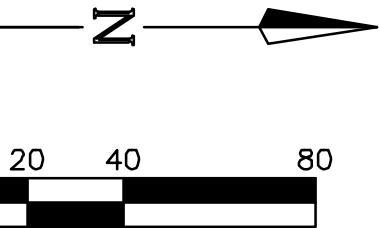
Engineering, Inc. 	
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400	
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FRN - F-1386	
<p><u>PRELIMINARY</u></p> <p>DOCUMENT IS RELEASED THE PURPOSE OF REVIEW FOR THE AUTHORITY OF CA B. HADLEY, TEXAS P.E.</p> <p>8 ON 06 27 2023</p> <p>DOCUMENT IS NOT TO BE FOR THE PURPOSES OF CONSTRUCTION.</p>	LJA PROJECT ID
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	SCALE
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	VERT: 1" = 4'
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23	
OF 35 SHEETS	



NOTES:

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PANORAMA STREET



INSTAL 10 SY, 10'X8.5', 8" TYPE A DRY
ROCK RIPRAP PER NCTCOG
SPECIFICATION 803.3

100 YEAR WATER
SURFACE = 598.6'
NORMAL WATER
SURFACE = 596.10'

GORDON A. & DIANE L. VIERE
INST.#2022000149750
O.P.R.C.C.T.

STA 1+55.26 SD4=
PAV STA 0+94.81 (215.72' RT)
PANORAMA STREET
INSTALL 24" 4:1 SLOPED END HEADWALL

STA 1+13.70 SD4=
PAV STA 0+53.26 (215.94' RT)
PANORAMA STREET
INSTALL 24" 4:1 SLOPED END HEADWALL

STA 1+46.40 SD5=
PAV STA 11+13.42 (208.18' RT)
PANORAMA STREET
INSTALL 21" 4:1 SLOPED END HEADWALL

STA 1+78.72 SD5=
PAV STA 10+81.10 (207.88' RT)
PANORAMA STREET
INSTALL 45° BEND

STA 1+90.21 SD5=
PAV STA 10+72.85 (215.89' RT)
PANORAMA STREET
INSTALL 45° BEND

STA 2+34.45 SD5=
PAV STA 10+72.20 (260.12' RT)
PANORAMA STREET
INSTALL - 1.4'X4' DROP INLET
TOP = 592.20 FL = 592.20

WILLIAM C. AND KATHERINE CALABRIA HARVEY
JOINT GRANTORS TRUST
TRACT II
INST.#20111028001162290
INST.#20170417000474280
O.P.R.C.C.T.

100 YEAR WATER
SURFACE = 595.8'
NORMAL WATER SURFACE
= 594.70'

21" RCP

BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

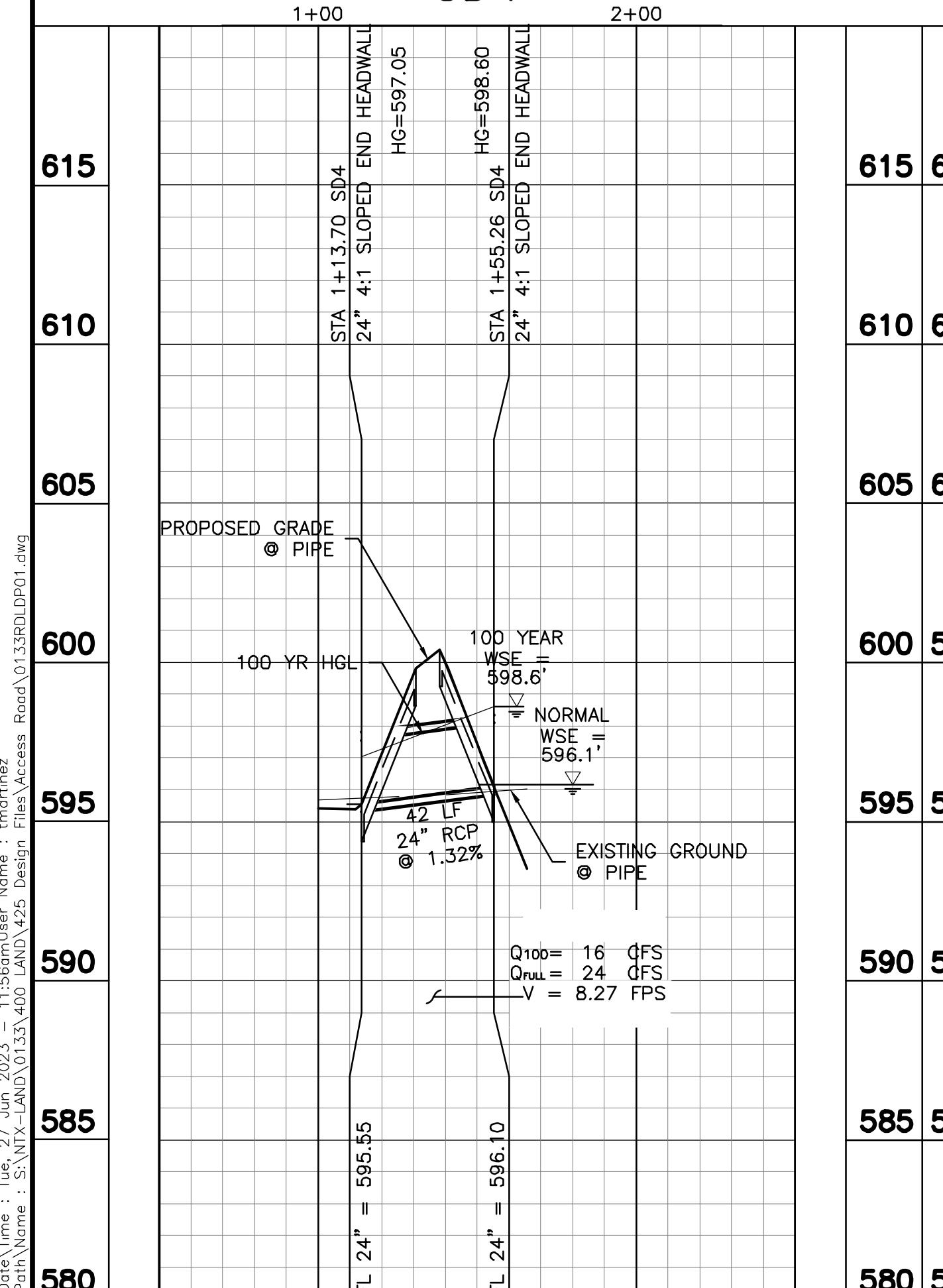
ELEV 605.438

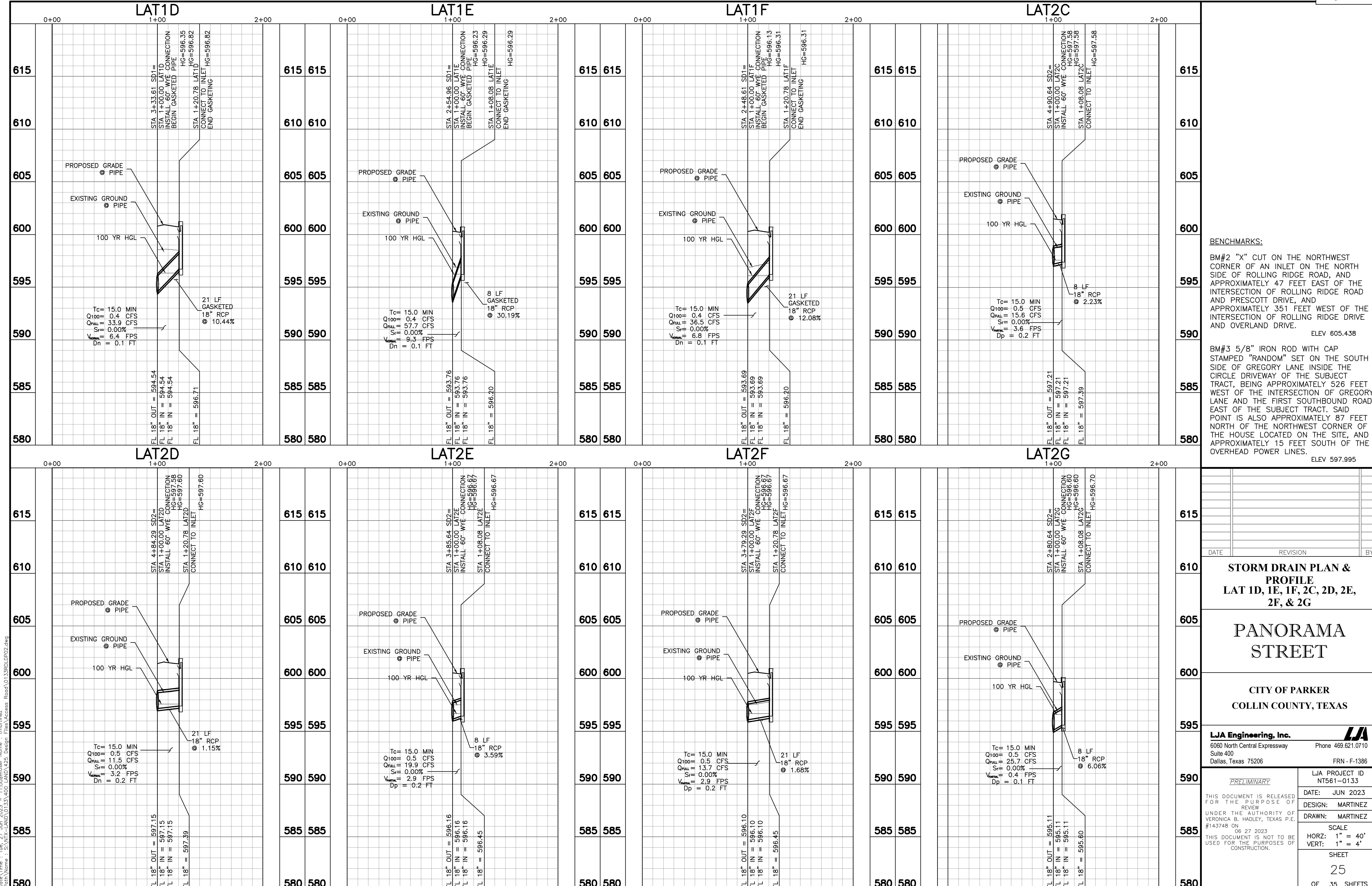
BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.

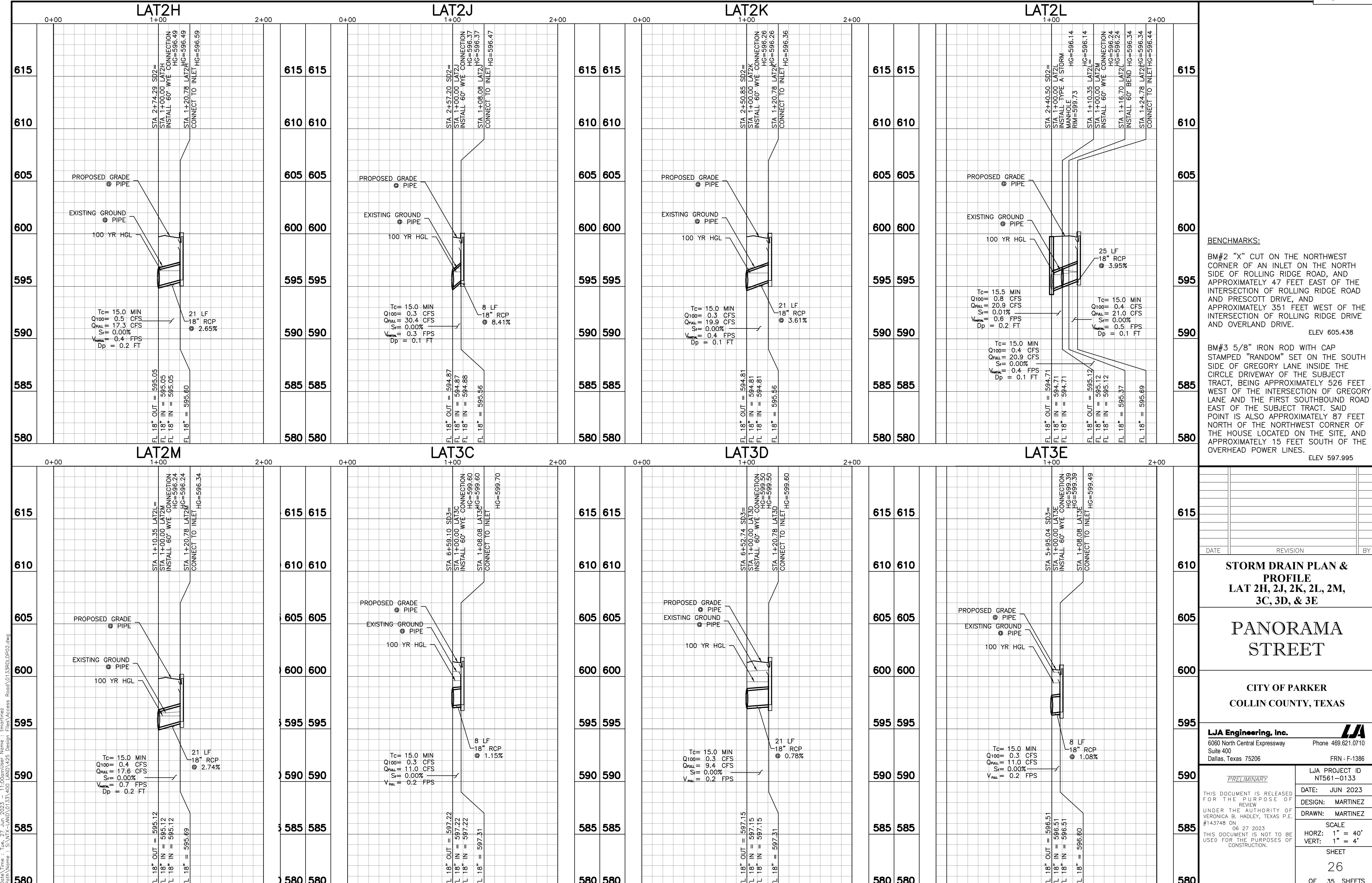
ELEV 597.995

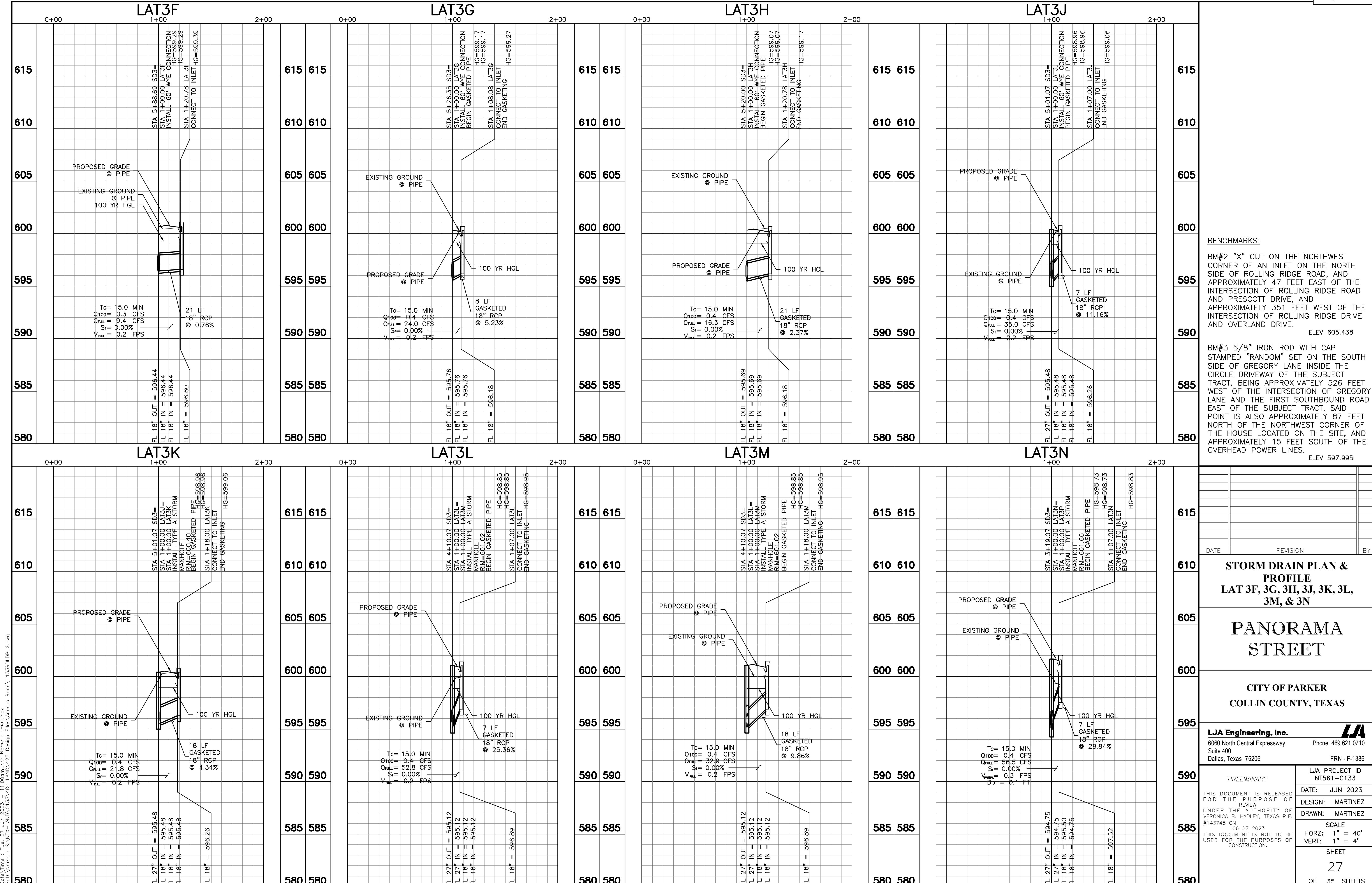
SD4

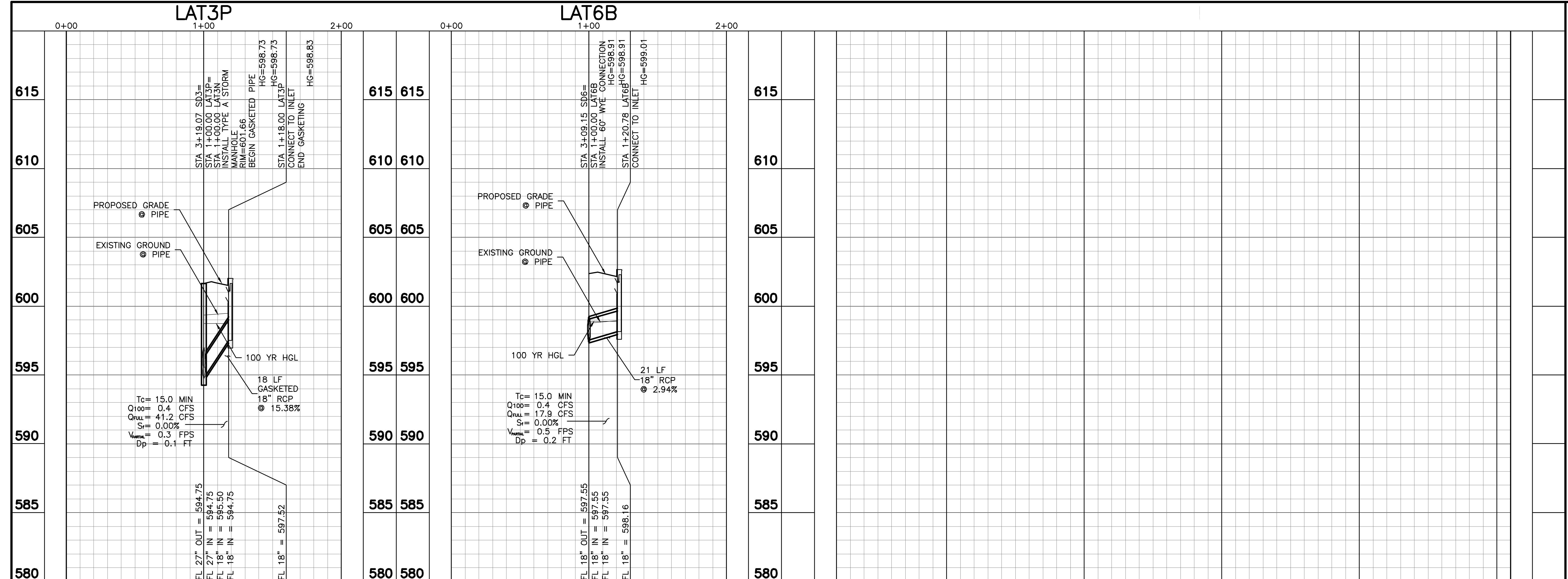
SD5











BENCHMARKS:

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ELEV 605.438

BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.

ELEV 597.995

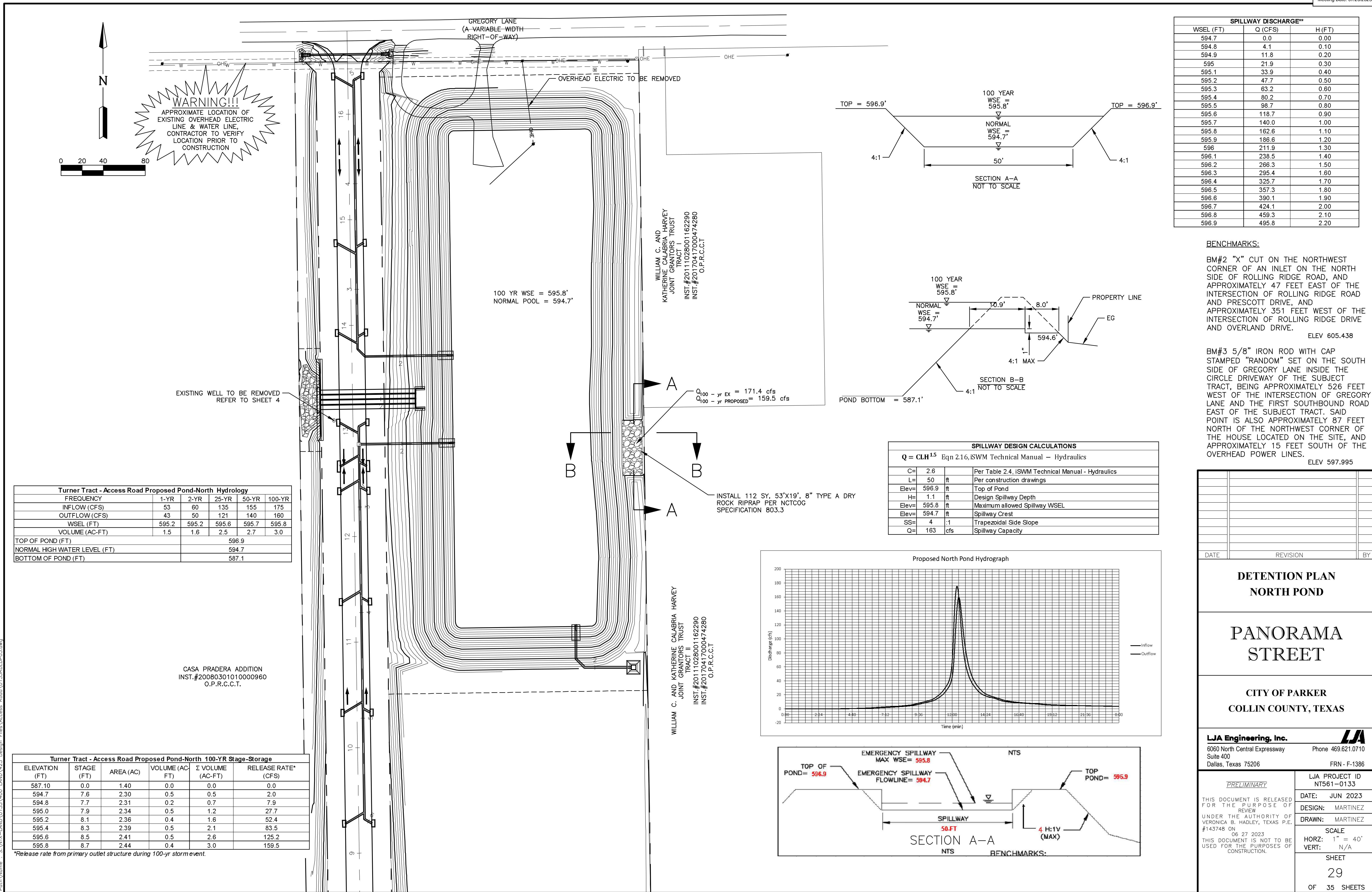
DATE REVISION BY
**STORM DRAIN PLAN &
PROFILE
LAT 3P, 3Q, & 3R**

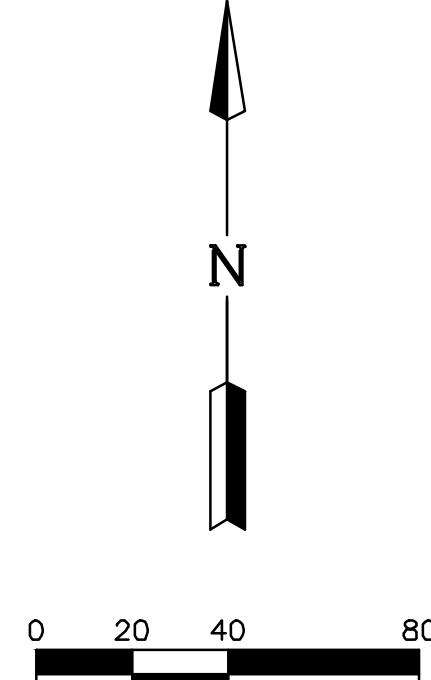
**PANORAMA
STREET**

**CITY OF PARKER
COLLIN COUNTY, TEXAS**

LJA Engineering, Inc. 
 6060 North Central Expressway
 Suite 400
 Dallas, Texas 75206
 Phone 469.621.0710
 FRN F-1386

PRELIMINARY	LJA PROJECT ID NT561-0133
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF VERONICA B. HADLEY, TEXAS P.E. #143748 ON 06 27 2023	
DESIGN: MARTINEZ DRAWN: MARTINEZ SCALE: HORIZ: 1" = 40' VERT: 1" = 4' SHEET 28 OF 35 SHEETS	





Turner Tract - Access Road Proposed Pond-South Hydrology					
FREQUENCY	1-YR	2-YR	25-YR	50-YR	100-YR
INFLOW (CFS)	15	16	34	38	43
OUTFLOW (CFS)	4	5	12	14	16
WSEL (FT)	597.2	597.3	598.2	598.4	598.6
VOLUME (AC-FT)	0.4	0.5	1.0	1.1	1.2
TOP OF POND (FT)	599.8				
NORMAL HIGH WATER LEVEL (FT)	596.1				
BOTTOM OF POND (FT)	590.8				

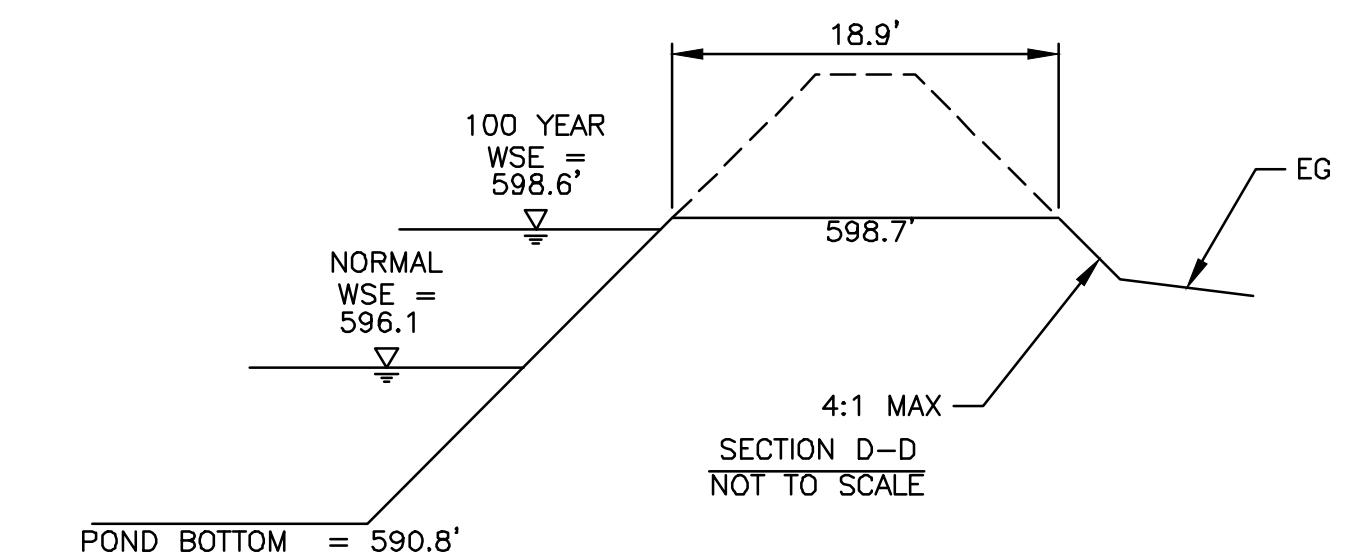
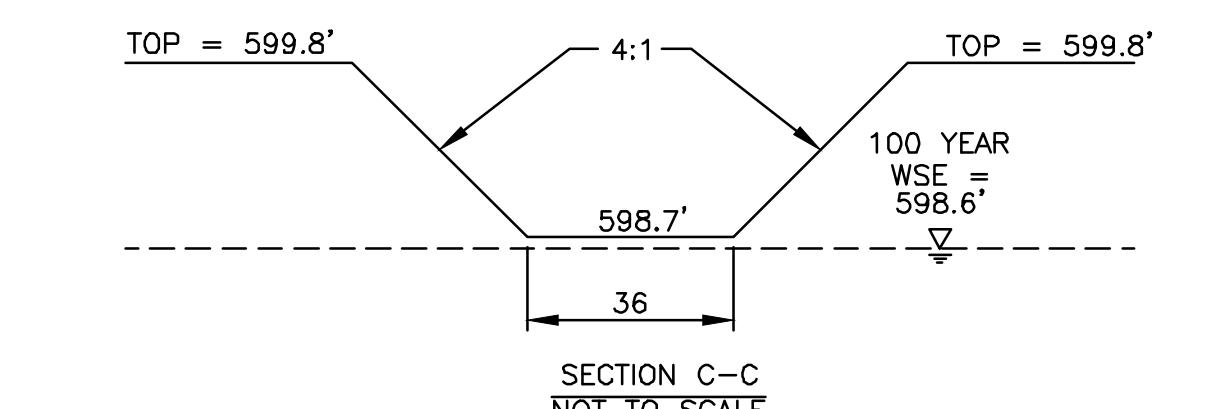
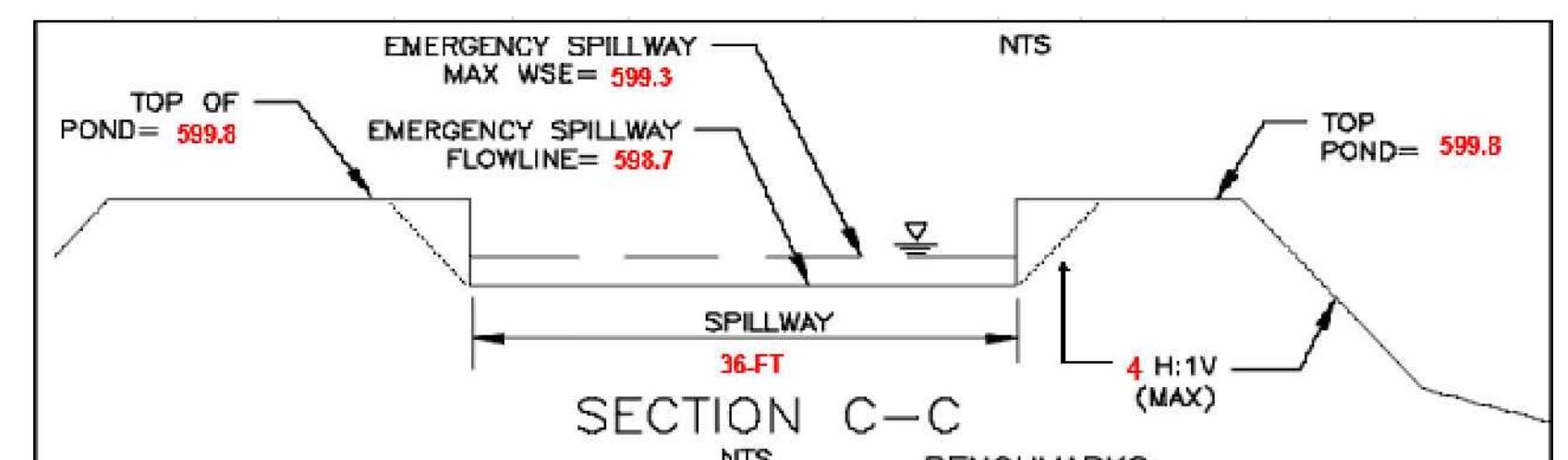
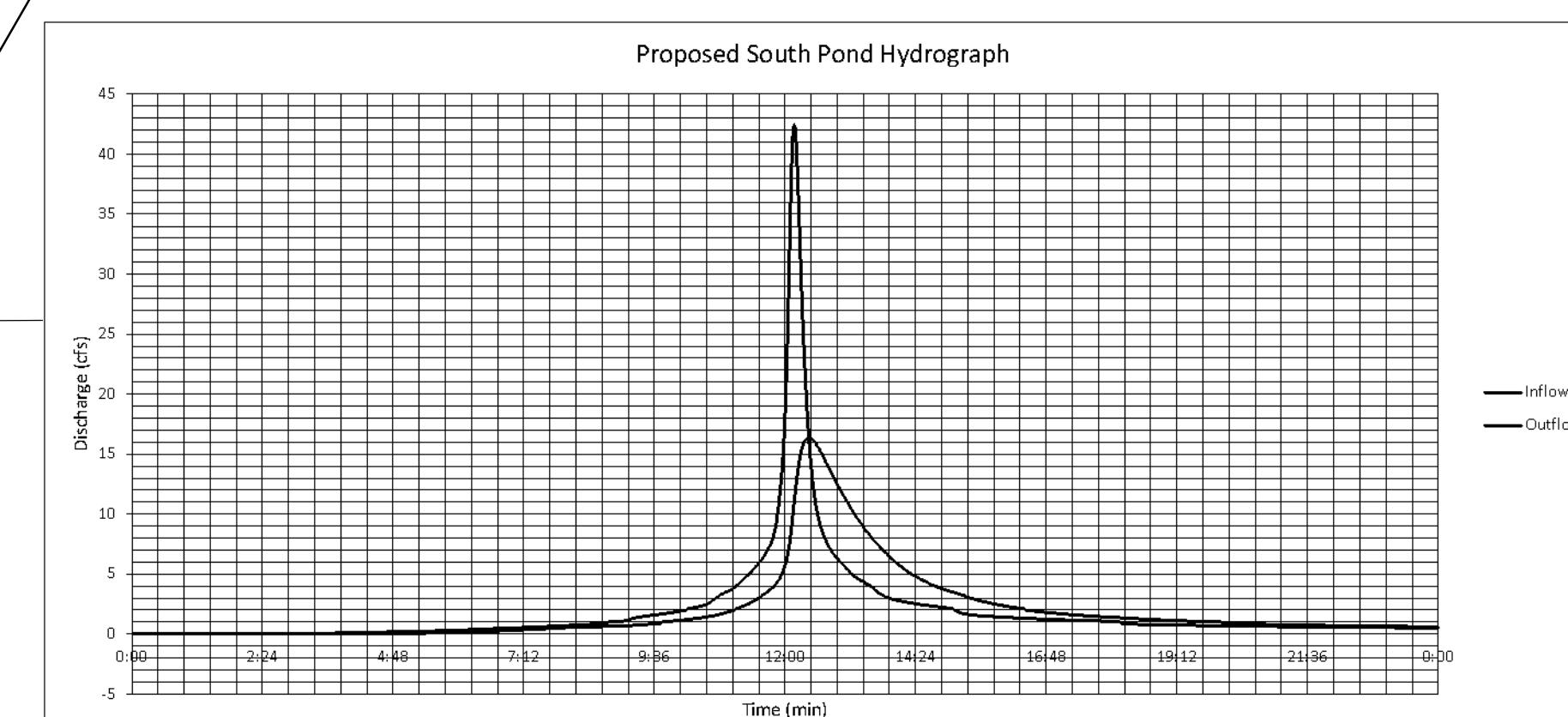
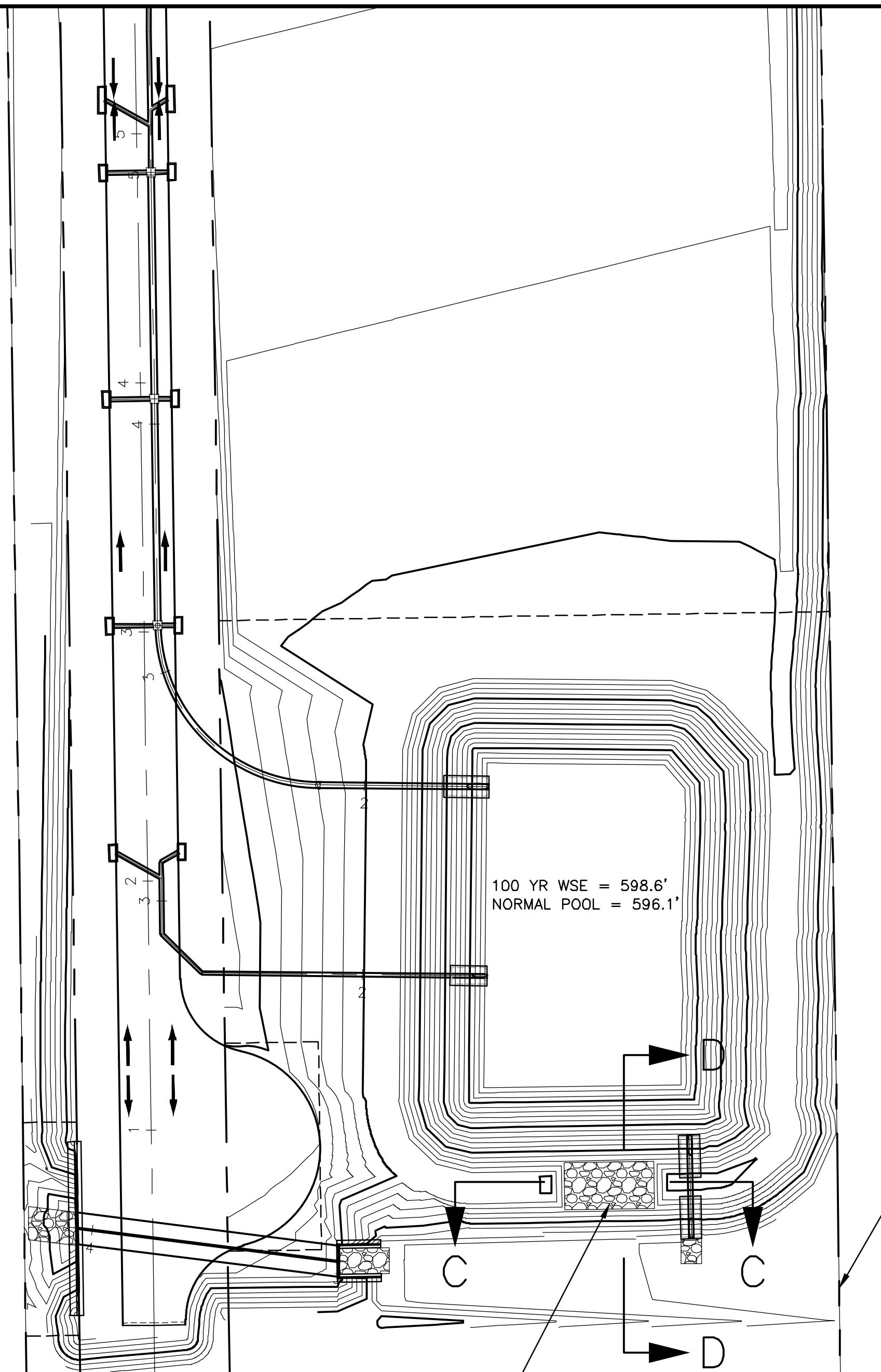
EMERGENCY SPILLWAY DISCHARGE**		
WSEL (FT)	Q (CFS)	H (FT)
598.7	0.0	0.00
598.8	3.0	0.10
598.9	8.6	0.20
599	15.9	0.30
599.1	24.7	0.40
599.2	34.9	0.50
599.3	46.3	0.60
599.4	58.9	0.70
599.5	72.7	0.80
599.6	87.6	0.90
599.7	103.6	1.00
599.8	120.6	1.10

**Assuming 100% blockage of the primary outlet structure during 100-yr storm event.

Turner Tract - Access Road Proposed South Pond 100-YR Stage-Storage					
ELEVATION (FT)	STAGE (FT)	AREA (AC)	VOLUME (AC-FT)	Σ VOLUME (AC-FT)	RELEASE RATE* (CFS)
590.80	0.0	0.23	0.0	0.0	0.0
596.1	5.3	0.46	0.0	0.0	0.0
596.5	5.7	0.48	0.1	0.1	0.7
597.0	6.2	0.51	0.3	0.4	3.1
597.5	6.7	0.53	0.2	0.6	6.7
598.4	7.6	0.58	0.5	1.1	15.0
598.6	7.8	0.60	0.1	1.2	16.4

*Release rate from primary outlet structure during 100-yr storm event.

SPILLWAY DESIGN CALCULATIONS	
$Q = CLH^{1.5}$ Eqn 2.16, iSWM Technical Manual - Hydraulics	
C=	2.6
L=	36 ft
Elev=	599.8 ft
H=	0.6 ft
Elev=	599.3 ft
Elev=	598.7 ft
SS=	4 :1
Q=	46 cfs
O=	16 cfs
Minimum required spillway discharge (100-YR Pond Outflow Q)	



BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

ELEV 605.438

BM#3 5/8" IRON ROD WITH CAP STAMPED "RANDOM" SET ON THE SOUTH SIDE OF GREGORY LANE INSIDE THE CIRCLE DRIVEWAY OF THE SUBJECT TRACT, BEING APPROXIMATELY 526 FEET WEST OF THE INTERSECTION OF GREGORY LANE AND THE FIRST SOUTHBOUND ROAD EAST OF THE SUBJECT TRACT. SAID POINT IS ALSO APPROXIMATELY 87 FEET NORTH OF THE NORTHWEST CORNER OF THE HOUSE LOCATED ON THE SITE, AND APPROXIMATELY 15 FEET SOUTH OF THE OVERHEAD POWER LINES.

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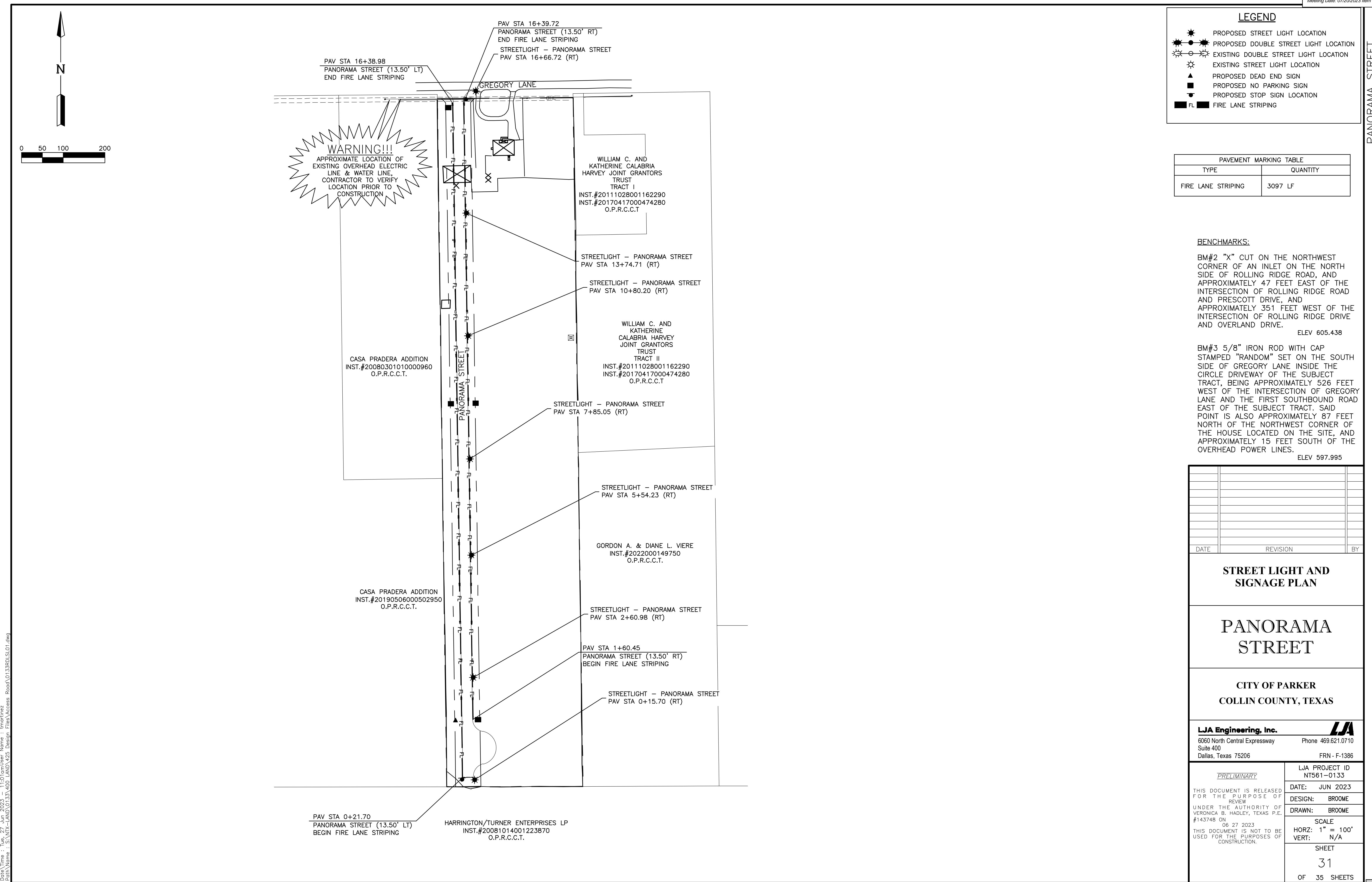
DATE	REVISION	BY
DETENTION PLAN		
SOUTH POND		

PANORAMA STREET

CITY OF PARKER
COLLIN COUNTY, TEXAS

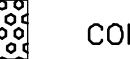
LJA Engineering, Inc. 
6060 North Central Expressway
Suite 400
Dallas, Texas 75206
Phone 469.621.0760
FRN F-1386

PRELIMINARY
DATE: JUN 2023
DESIGN: MARTINEZ
DRAWN: MARTINEZ
SCALE: 1" = 40'
HORZ: N/A
VERT: N/A
SHEET
30
OF 35 SHEETS



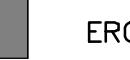
EROSION CONTROL MEASURES

 SILT FENCE EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO ANY LAND DISTURBANCE OR INITIAL GRADING. (BY GRADING CONTRACTOR.)

 CONSTRUCTION ENTRANCE

 FLOW DIRECTION (POST CONSTRUCTION)

 CURLEX EROSION CONTROL DEVICES TO BE INSTALLED AFTER FINAL GRADING AND/OR AFTER PAVEMENT CONSTRUCTION AND CURB BACKFILL. (BY PAVING CONTRACTOR)

 EROSION CONTROL MAT

 INLET PROTECTION

BENCHMARKS:

BM#2 "X" CUT ON THE NORTHWEST CORNER OF AN INLET ON THE NORTH SIDE OF ROLLING RIDGE ROAD, AND APPROXIMATELY 47 FEET EAST OF THE INTERSECTION OF ROLLING RIDGE ROAD AND PRESCOTT DRIVE, AND APPROXIMATELY 351 FEET WEST OF THE INTERSECTION OF ROLLING RIDGE DRIVE AND OVERLAND DRIVE.

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DATE	REVISION	BY

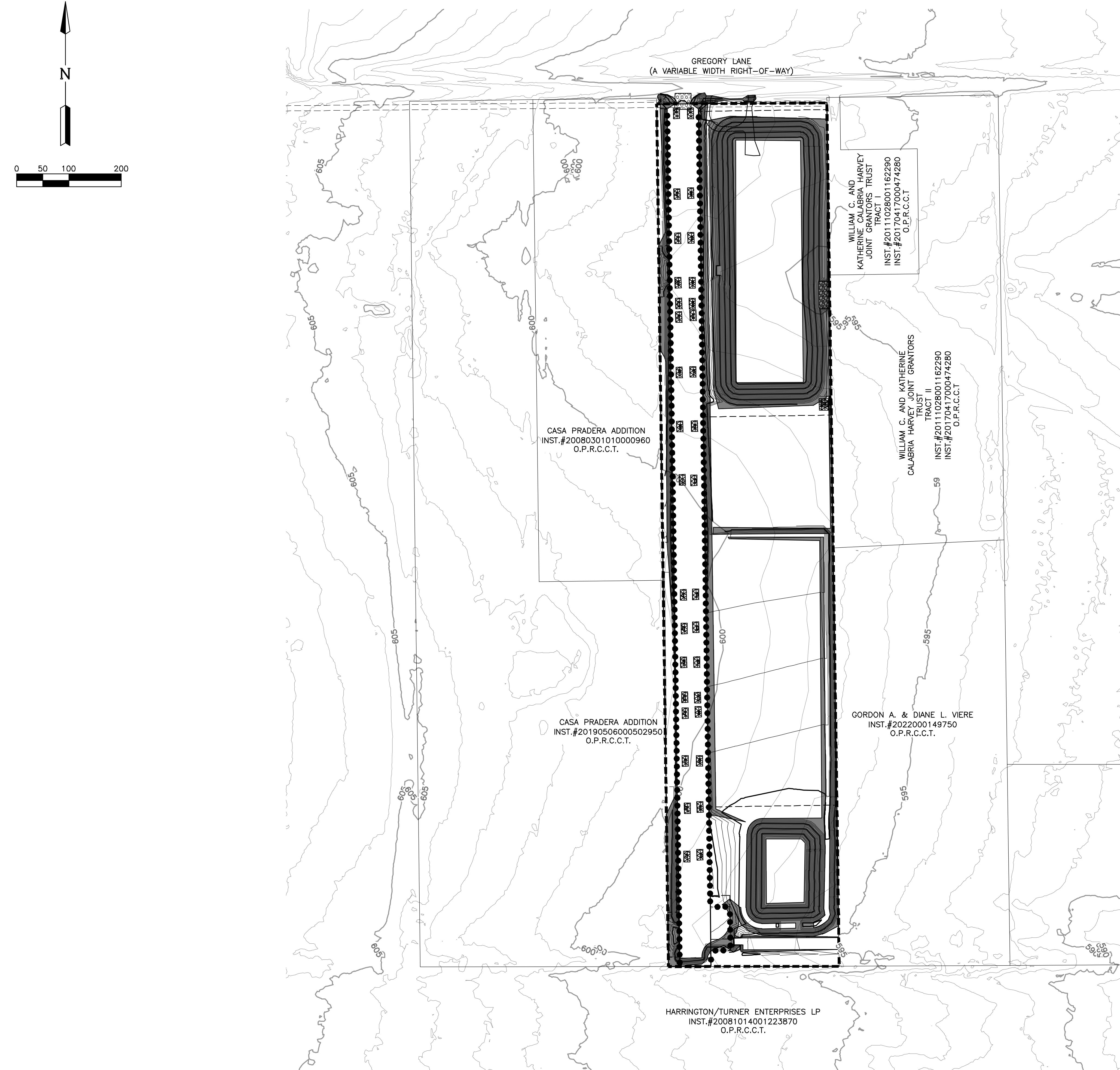
EROSION CONTROL PLAN

PANORAMA STREET

CITY OF PARKER
COLLIN COUNTY, TEXAS

LJA Engineering, Inc. 
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Phone 469.621.0710
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PRELIMINARY	LJA PROJECT ID NT561-0133
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SCALE: HORIZ: 1" = 100' VERT: N/A	SCALE: HORIZ: 1" = 100' VERT: N/A
SHEET 32	SHEET 32
OF 35 SHEETS	OF 35 SHEETS



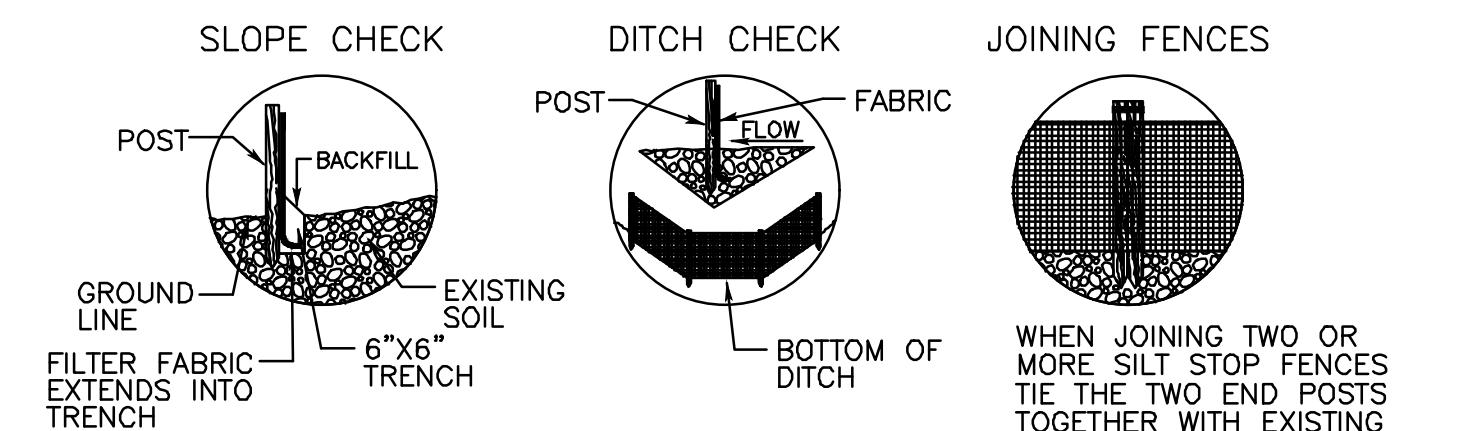
INSTRUCTIONS TO OPERATOR

OPERATOR SHALL:

1. ACTIVELY MAINTAIN THIS EROSION CONTROL PLAN AND THE ASSOCIATED STORM WATER POLLUTION PREVENTION PLAN (BY OTHERS).
2. POST SITE NOTICE AND/OR THE NOTICE OF INTENT (NOI) PROVIDED IN SWPPP AT OR NEAR THE CONSTRUCTION ENTRANCE.
3. WRITE NAME AND DATE AT EACH LOCATION WHERE EROSION CONTROL DEVICE IS INSTALLED.
4. SHOW ON THESE PLANS LOCATION AND WRITE NAME AND DATE OF INSTALLATION ON ALL CONSTRUCTION ENTRANCES, EQUIPMENT STORAGE LOCATIONS, MATERIAL STORAGE LOCATIONS, VEHICLE WASHES, AND SANITARY FACILITIES.
5. WITH A HIGHLIGHTER, MARK THOSE AREAS WHERE VEGETATION HAS BEEN STRIPPED OR WHERE SOIL HAS BEEN DISTURBED. DATE OF DISTURBANCE SHALL BE PLACED IN THESE AREAS. SEE LEGEND.
6. SOLID FILL, WITH A HIGHLIGHTER, THOSE AREAS WHERE CONSTRUCTION HAS CEASED AND PERMANENT VEGETATION IS BEING ESTABLISHED. SEE LEGEND.
7. DATE REMOVAL OF EROSION CONTROL DEVICES AND NOTE REASON FOR REMOVAL IN THE SWPPP.
8. CROSS OUT AND DATE ANY LOTS THAT HAVE BEEN TRANSFERRED TO A SEPARATE OPERATOR. A NOTICE OF CHANGE SHALL BE MAILED TO THE TCEQ. AND A COPY SHALL BE PLACED IN THE SWPPP.
9. NOTIFY ENGINEER IN WRITING WHOSE SEAL APPEARS ON THESE DOCUMENTS OF ALL MODIFICATIONS AS REQUIRED BY THE TEXAS STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS.
10. PRIOR TO BEGINNING OPERATOR SHALL MAKE COPIES OF PLAN. IF CURRENT PLAN BECOMES TOO CROWDED FOR USE, OPERATOR SHALL PLACE "SEE REVISED PLAN" WITH DATE ON CURRENT PLAN, AND BEGIN TO USE A COPY FOR NEW PLAN.

EROSION CONTROL NOTES:

1. APPROXIMATE AREA TO BE DISTURBED IS ± 12.36 ACRES FOR PAVING, GRADING, AND DRAINAGE ON 1 COLLECTOR STREET.
2. CONSTRUCTION ENTRANCE LOCATION TO BE APPROVED BY THE OWNER, AND THE CITY OF PARKER.
3. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CITY OF PARKER STANDARD DETAILS AND SPECIFICATIONS.
4. ALL EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
5. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF PARKER ENGINEERING DIVISION.
6. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE.
7. OFF-SITE SOIL BORROW AND SPOIL AREAS ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMP'S TO CONTROL OFF-SITE SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AN ECP AND SWPPP FOR OFFSITE AREAS.
8. INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR MUD IS BEING TRACKED ONTO A PUBLIC ROADWAY, THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASHDOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF-SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL OFF-SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFICIENCY OF THE INSTALLATION.
9. CONTRACTOR SHALL HAVE A COPY OF THE CITY OF PARKER EROSION AND SEDIMENT CONTROL MANUAL ON SITE AT ALL TIMES.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF N.O.I., N.O.T. AND ANY ADDITIONAL INFORMATION REQUIRED BY THE E.P.A. STORMWATER POLLUTION PREVENTION REQUIREMENTS.
11. ALL EROSION CONTROL MEASURES SHALL COMPLY WITH THE CITY OF PARKER REQUIREMENTS.
12. INSTALL 4' WIDE EROSION MAT (CURLEX) BEHIND CURB DURING THIS PHASE. LEAVE A 1" SOIL DEPRESSION BELOW STREET CURB & ALLEY FOR THIS INSTALLATION.
13. SEDIMENTATION BASIN SHALL REMAIN IN PLACE UNTIL THE TOTAL ACREAGE OF VACANT LOTS IS LESS THAN 5 ACRES, AT WHICH TIME IT SHALL BE REMOVED.



SILT FENCE DETAIL

(NOT TO SCALE)

NOTE:

- 1.) SILT FENCE FABRIC SHALL BE MIRAFI 100 X OR EQUAL
- 2.) INSTALL SILT FENCES AT LOCATIONS DIRECTED BY OWNER.
- 3.) FENCE POSTS SHALL BE GALVANIZED STEEL AND MAY BE ROLL FORMED OR TUBULAR IN CROSS-SECTION. "T" POSTS MAY BE USED WHEN IN CONFORMANCE WITH SPECIFICATION.

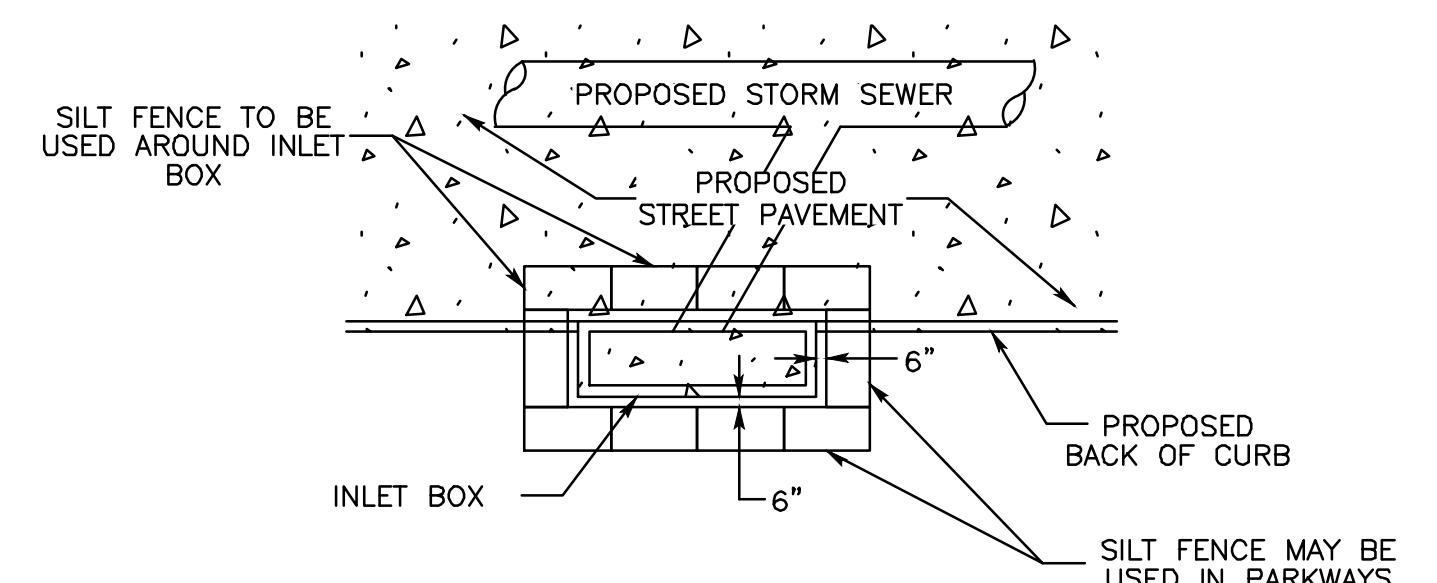
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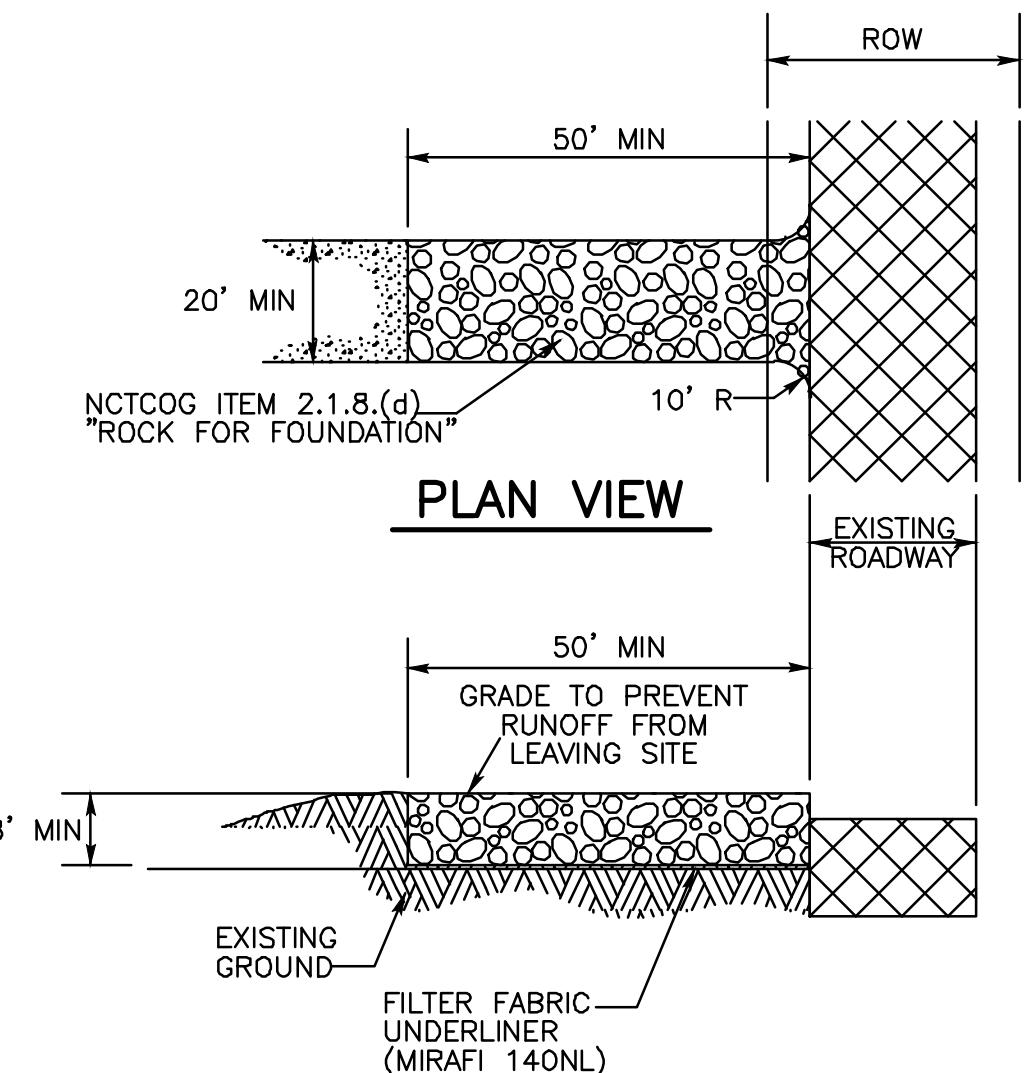
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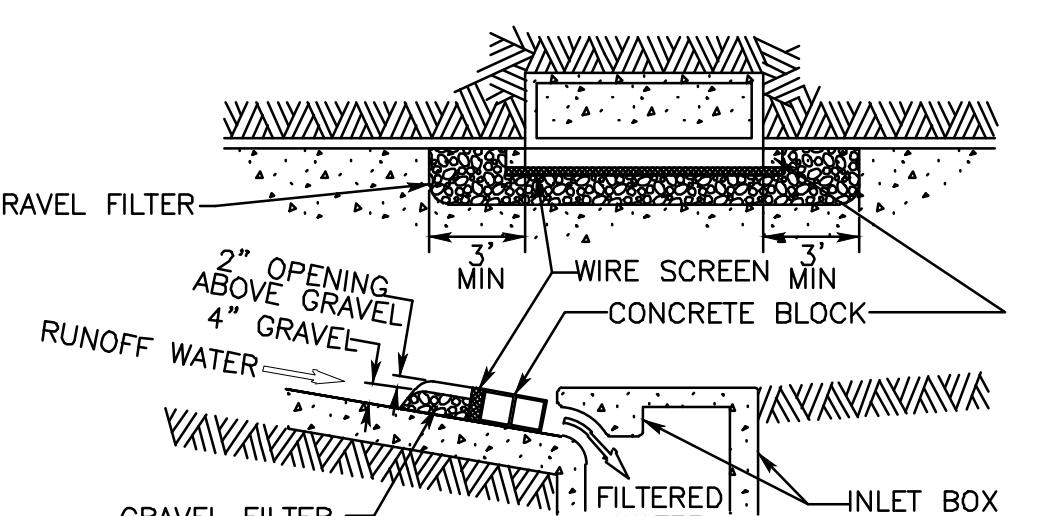
TYPICAL DETAIL OF EROSION CONTROL AROUND INLETS



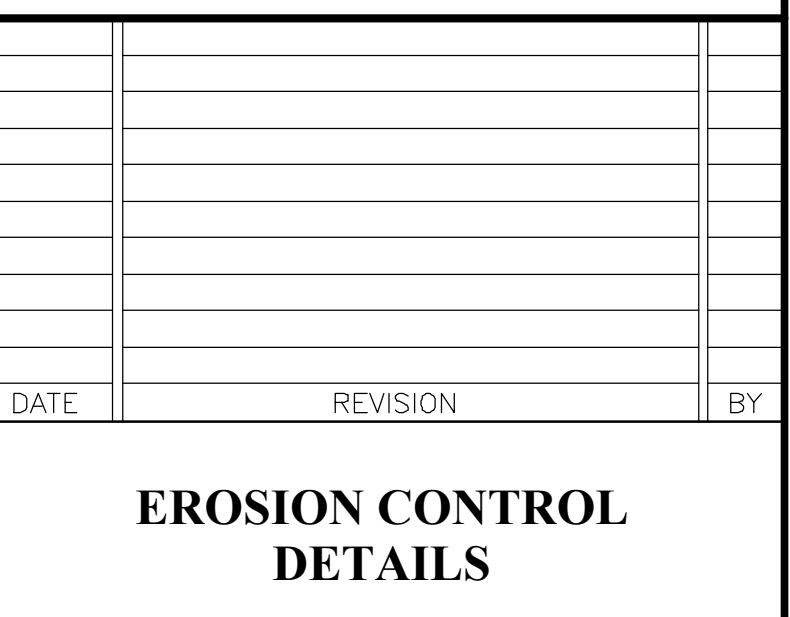
CONSTRUCTION ENTRANCE DETAIL

(NOT TO SCALE)

IF APPLICABLE, A TRAFFIC RATED CATTLE GUARD MAY BE USED AS A SEDIMENT TRAPPING DEVICE, STRATEGICALLY PLACED ALONG THE CONSTRUCTION ENTRANCE

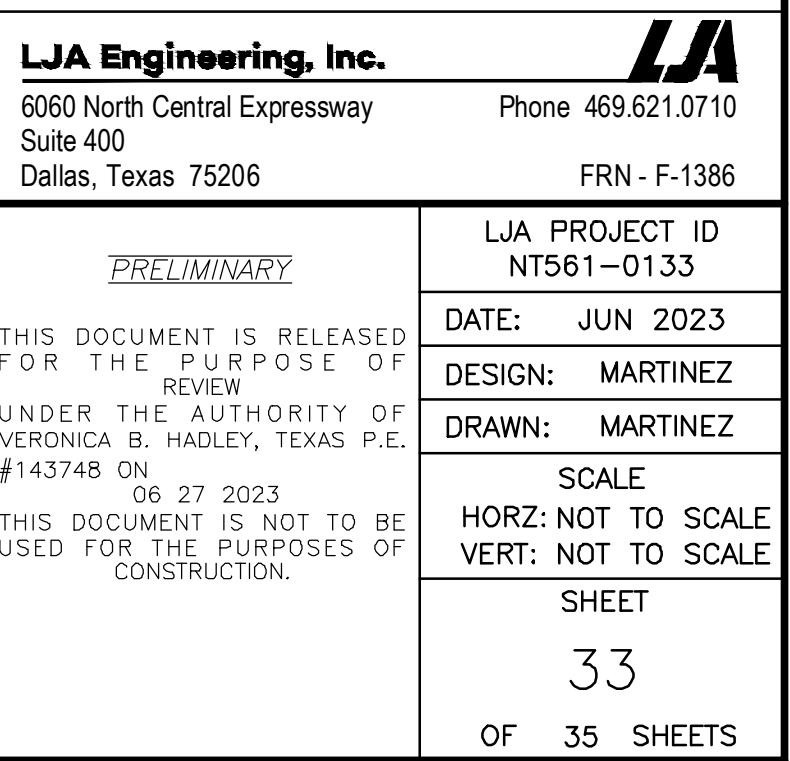


SEDIMENT BARRIER AT INLETS
OR TYPE P-2 INLET FILTERS AFTER PAVEMENT CONSTRUCTION
(NOT TO SCALE)

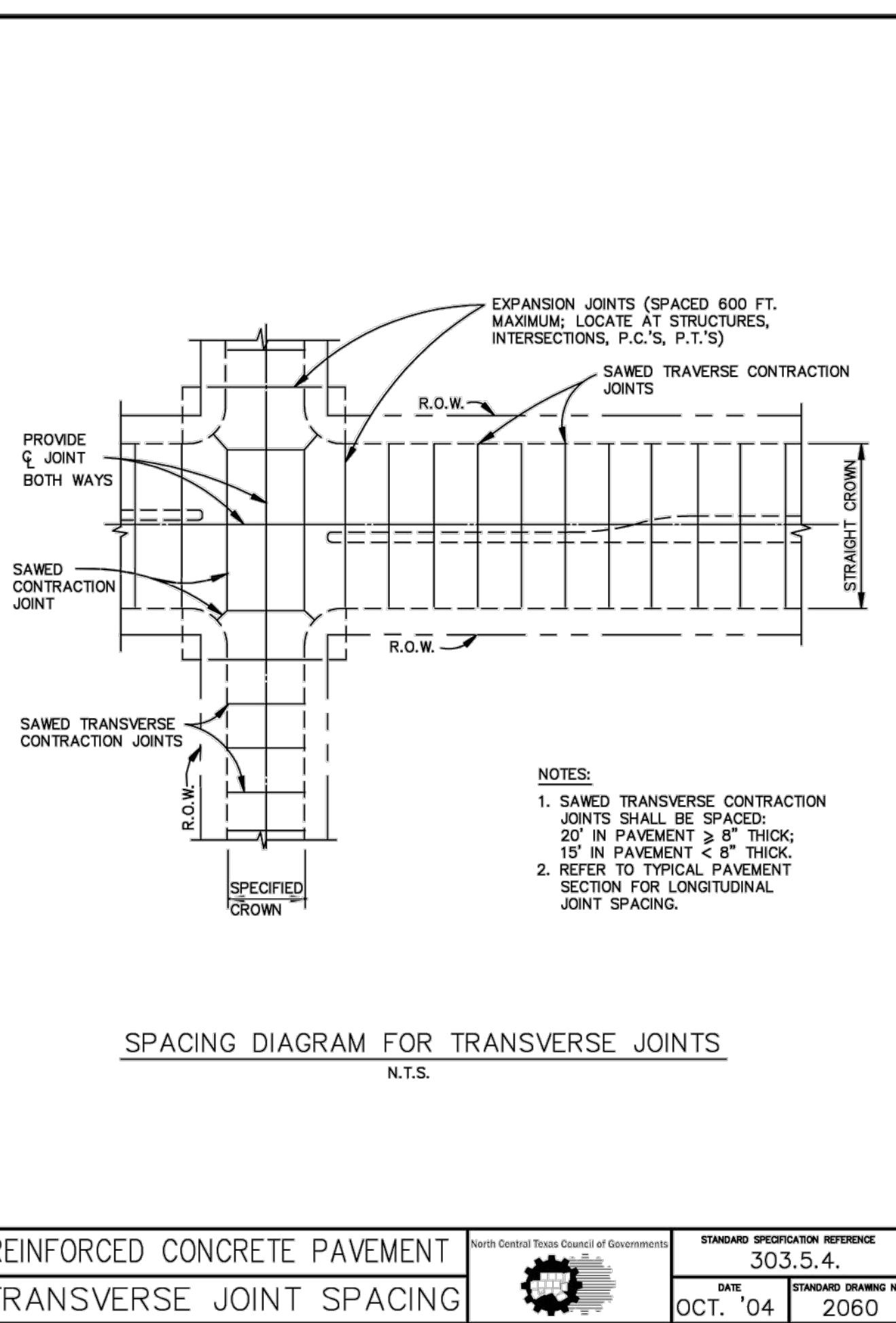
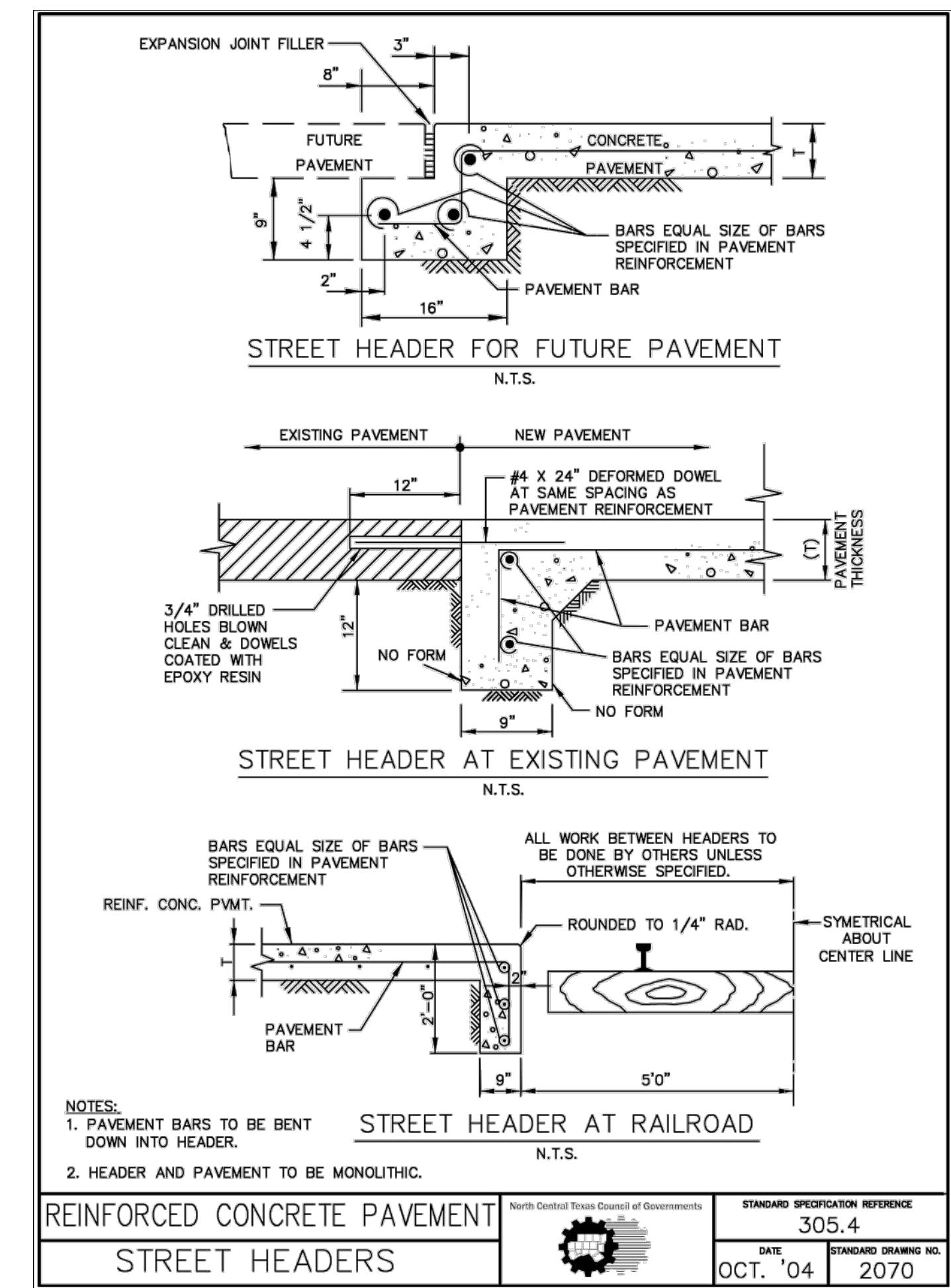
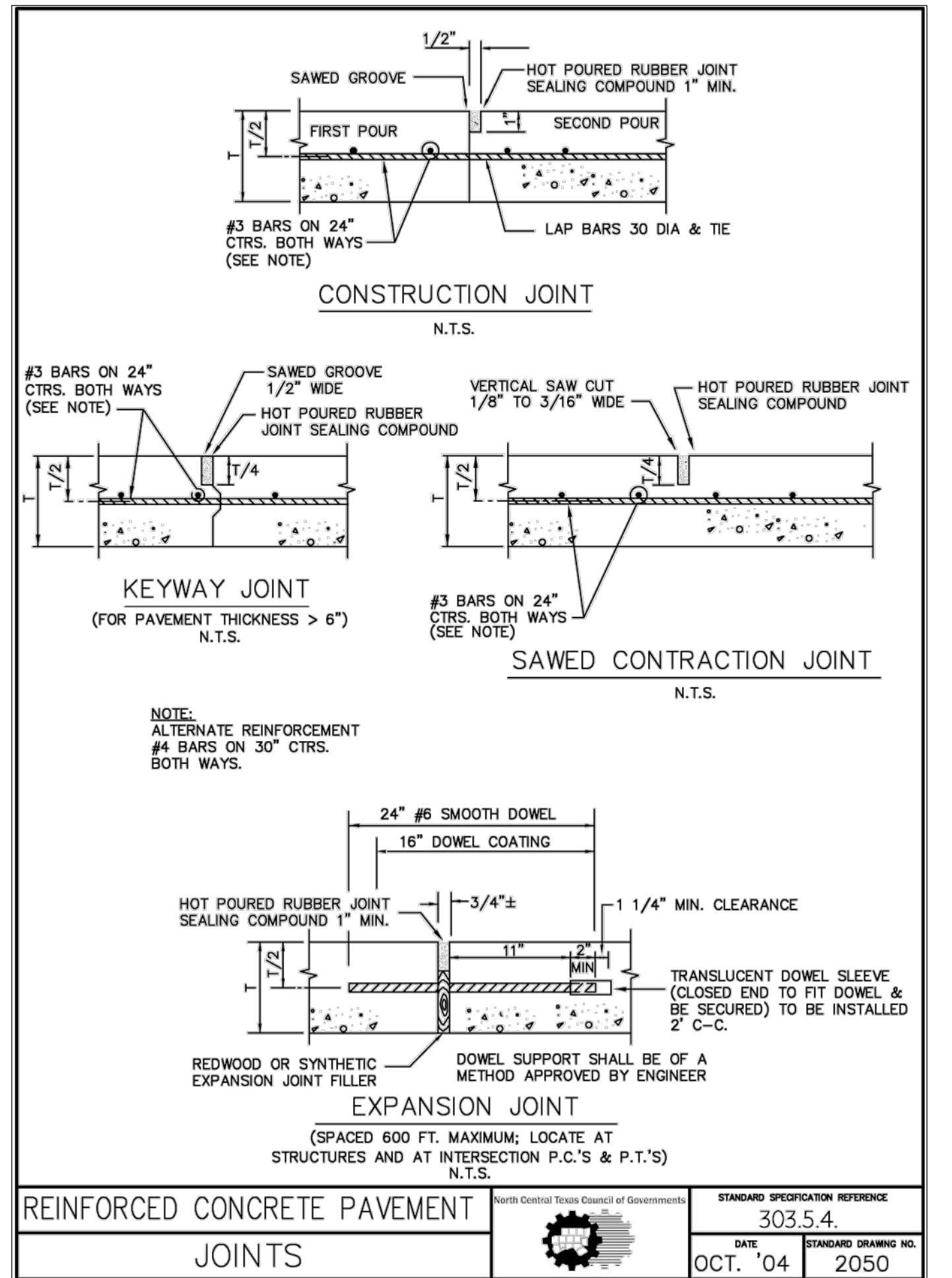
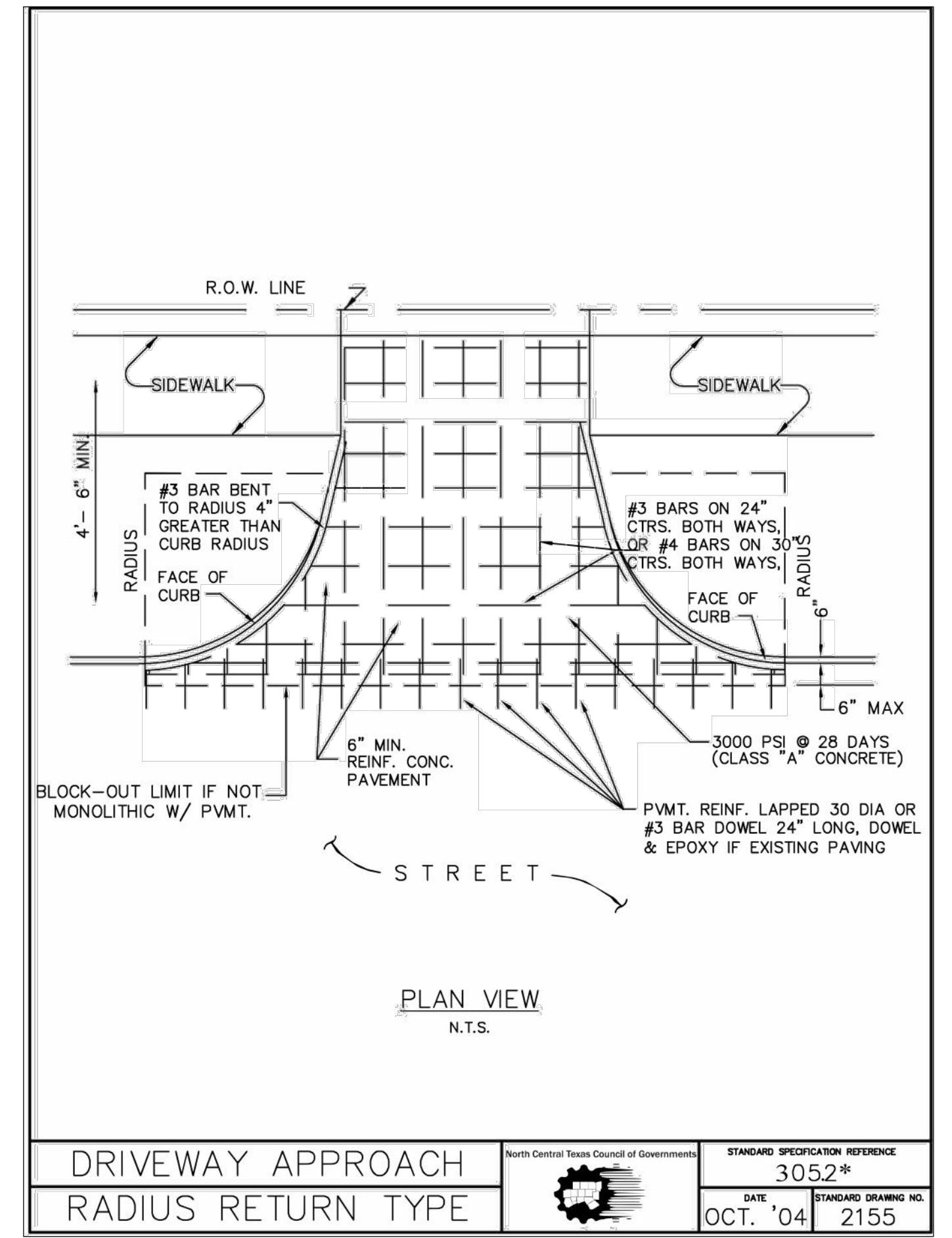
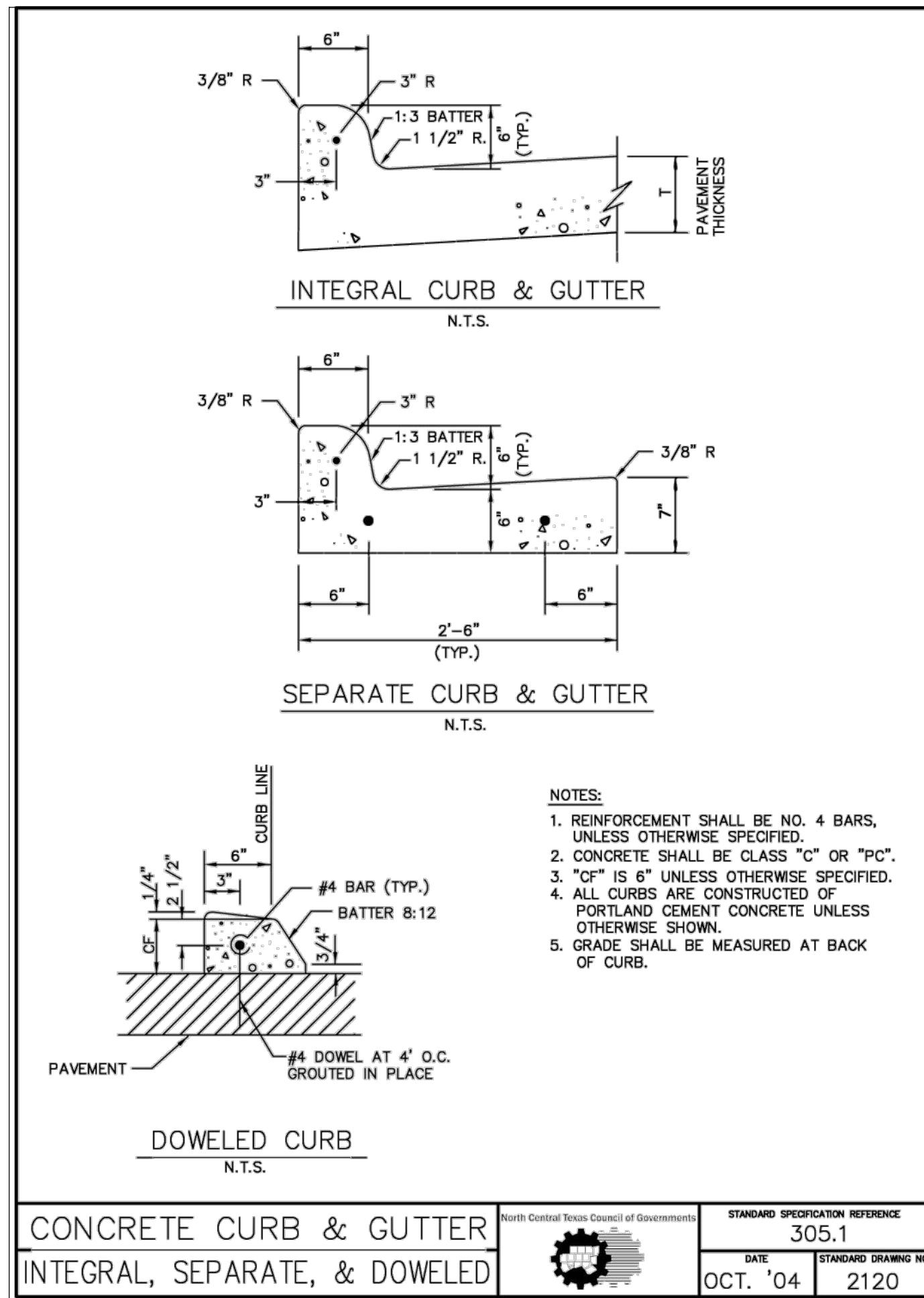


PANORAMA STREET

CITY OF PARKER
COLLIN COUNTY, TEXAS



PANORAMA STREET



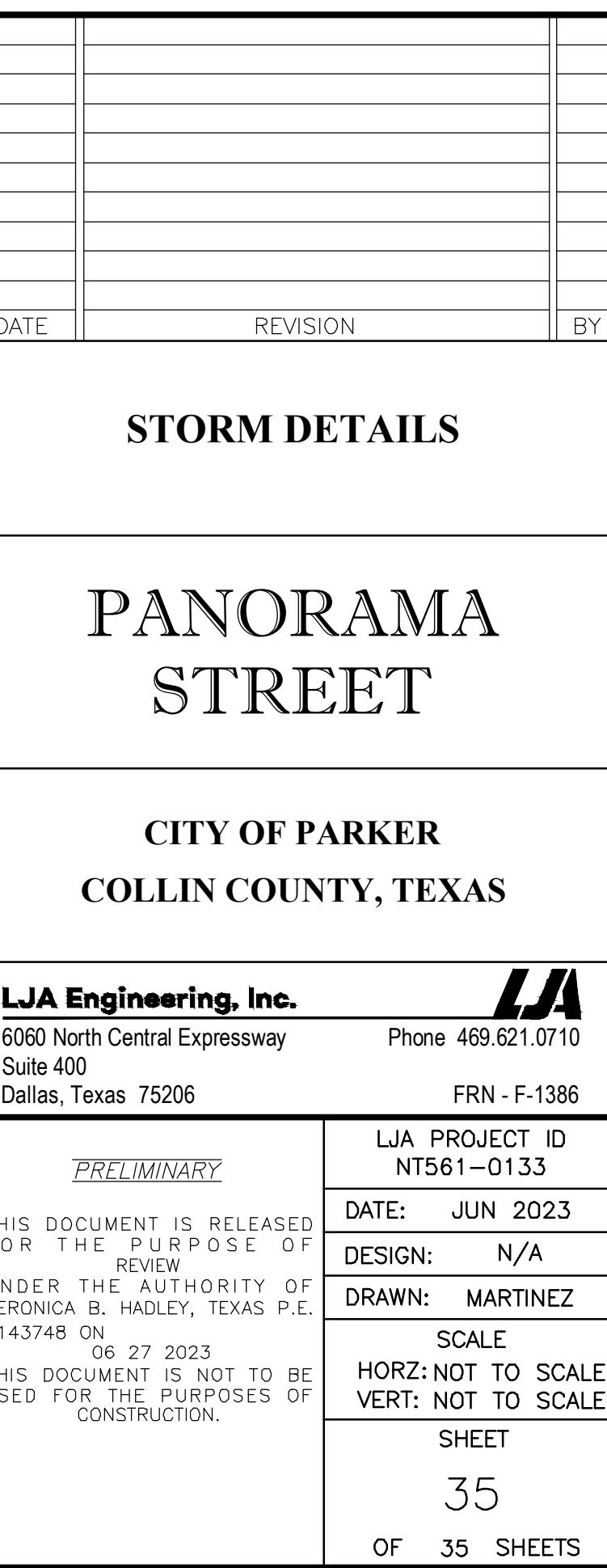
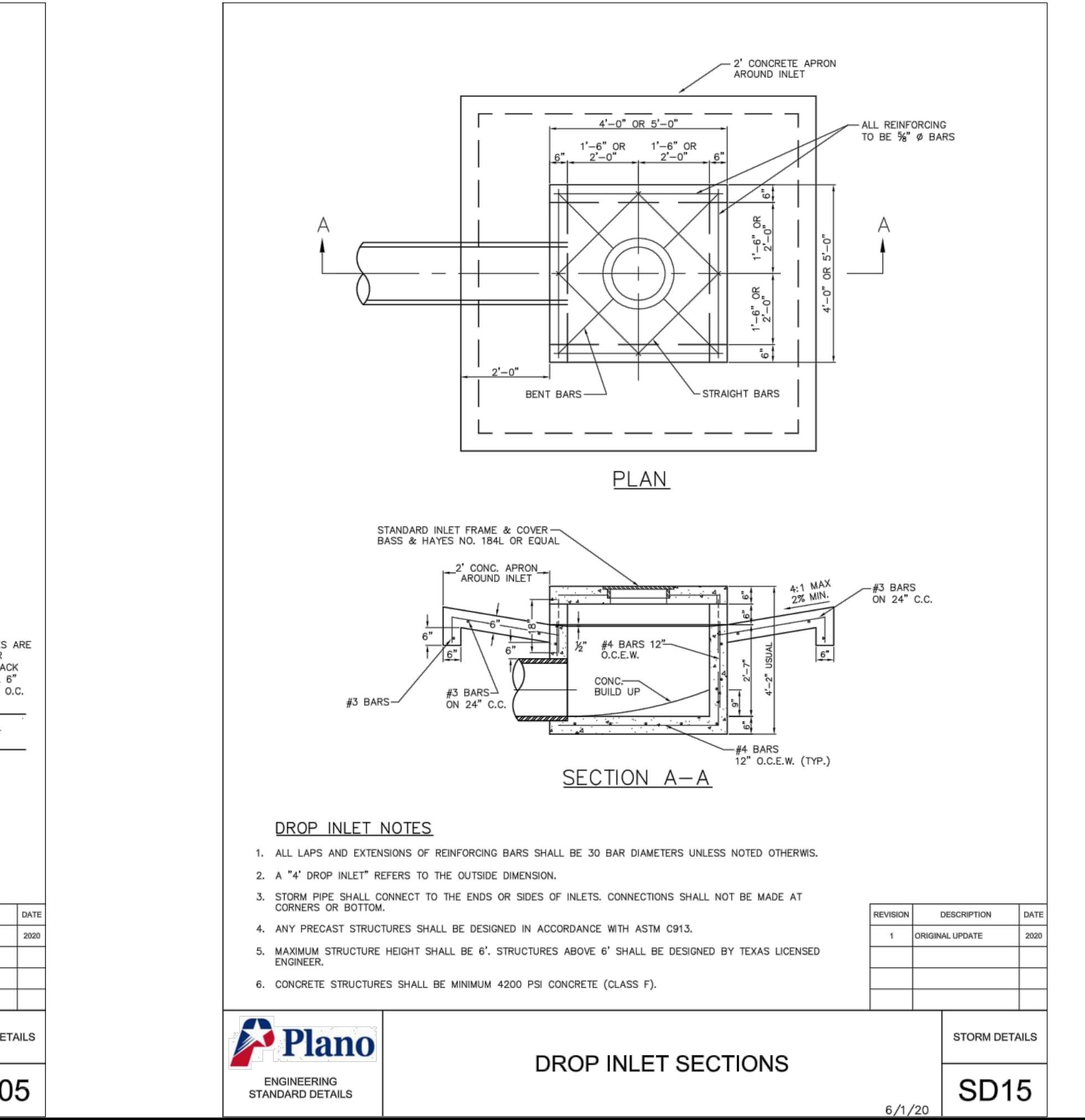
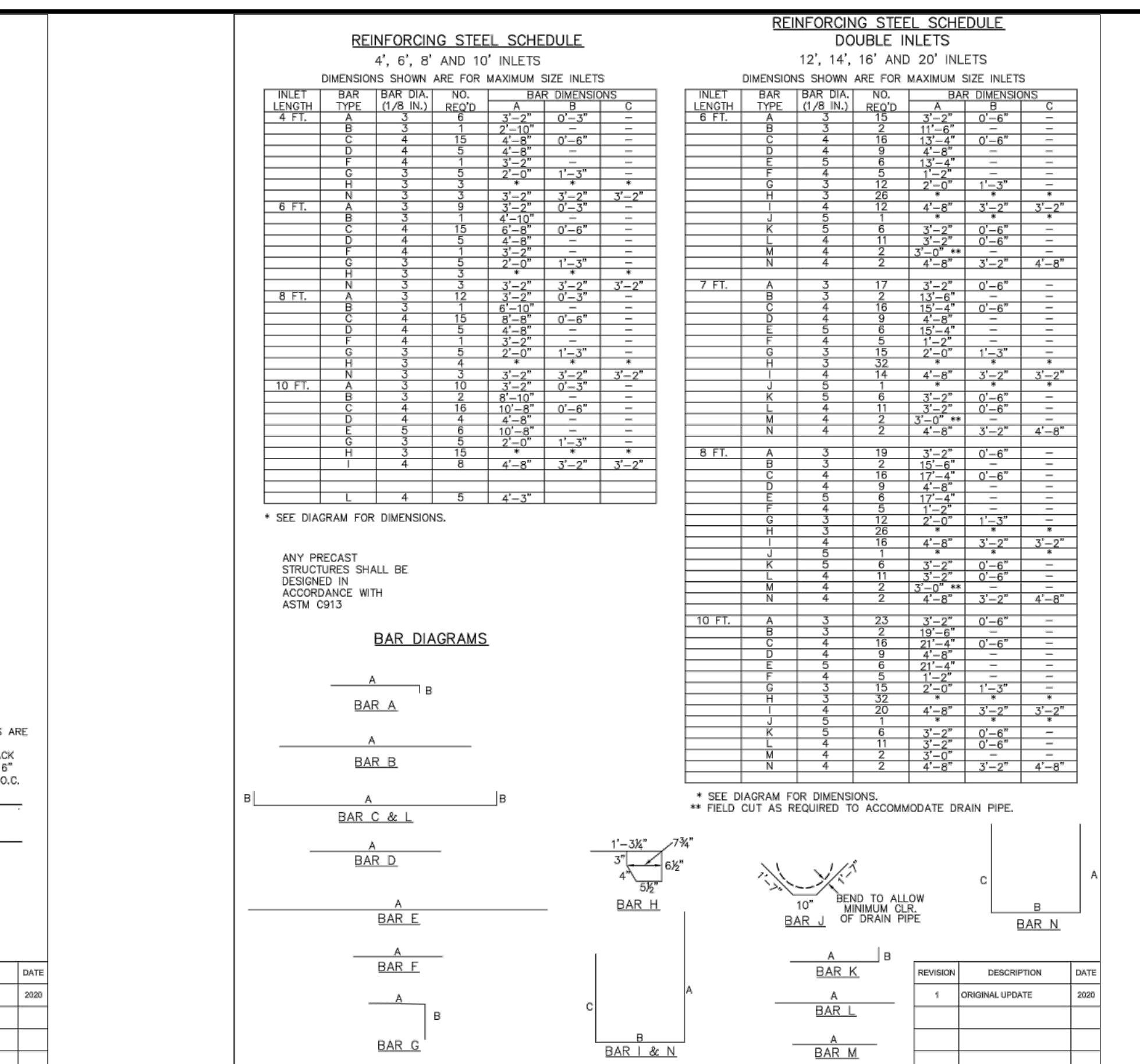
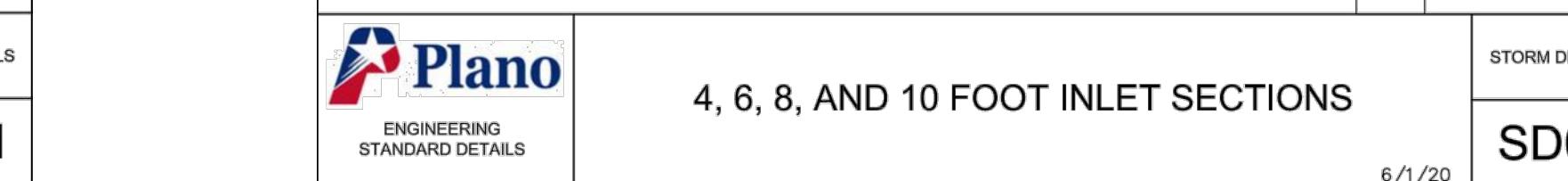
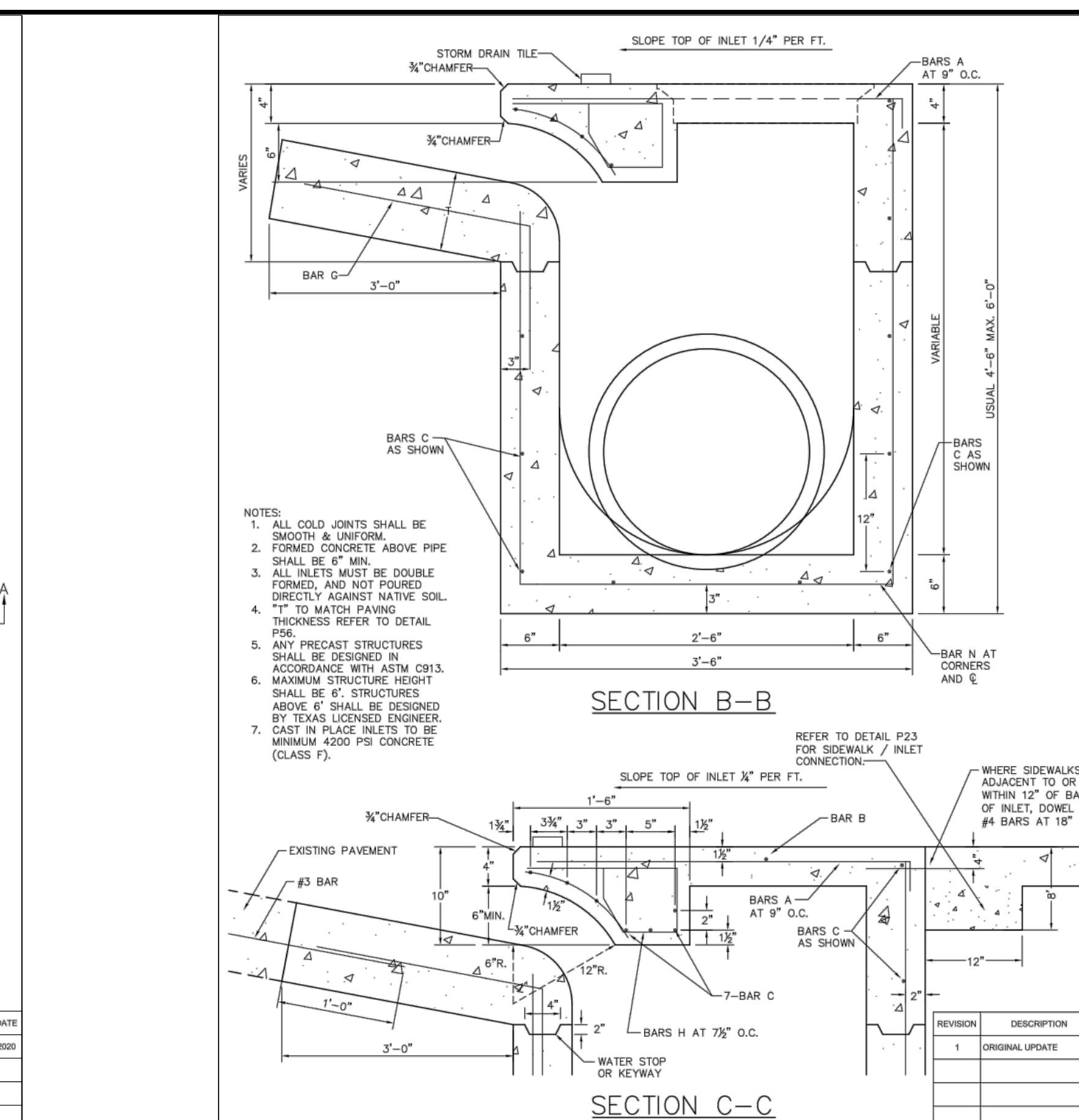
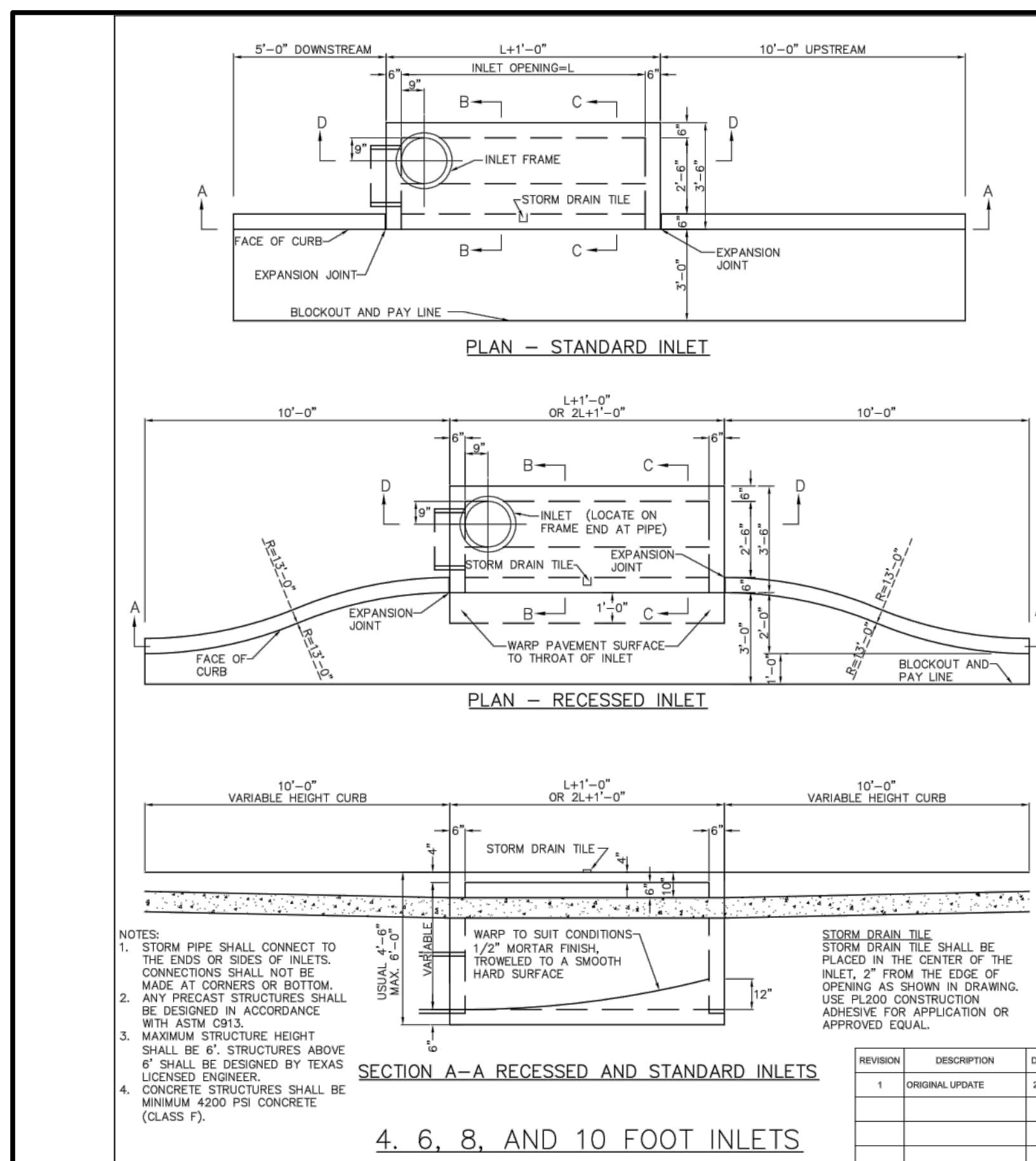
PAVING DETAILS

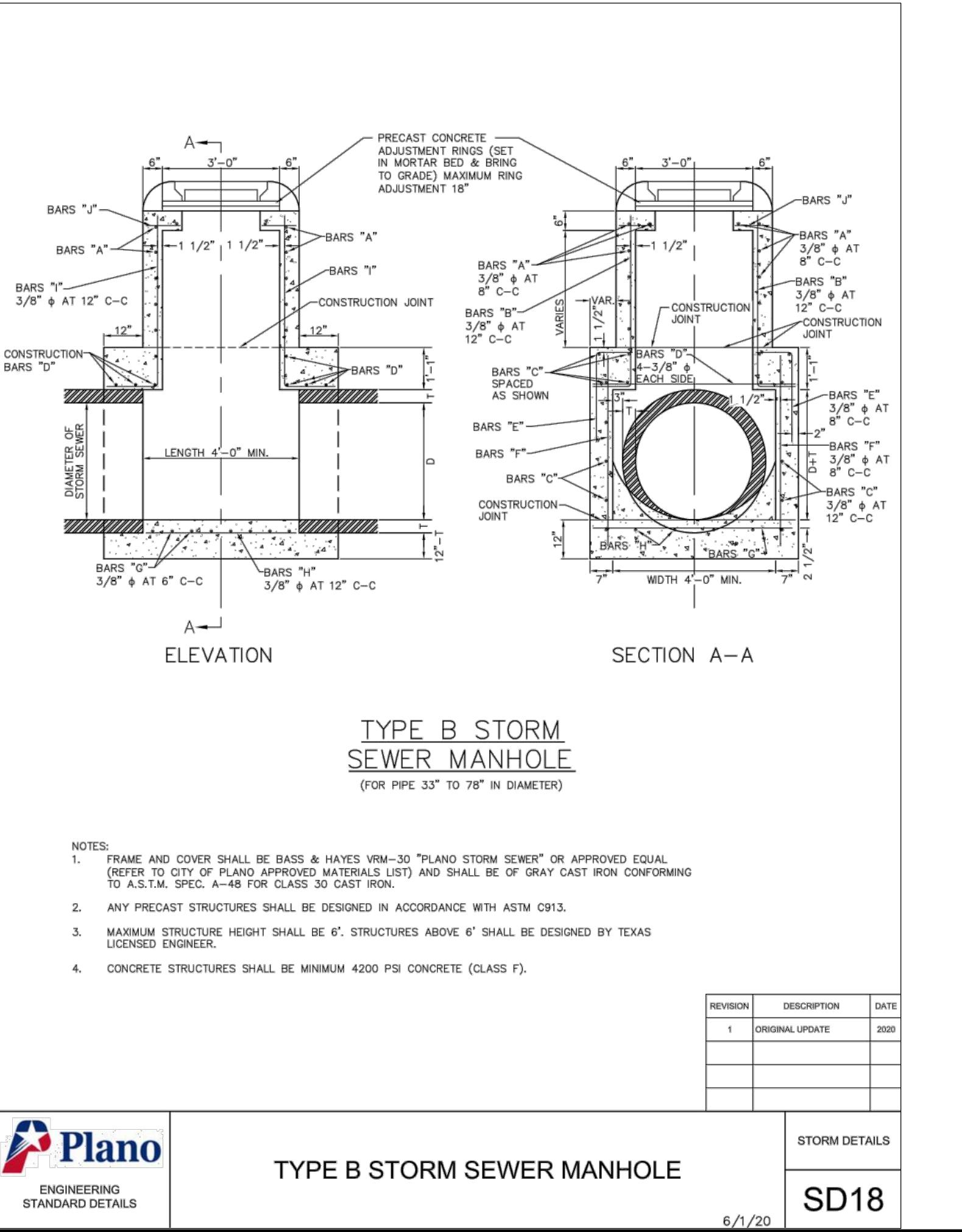
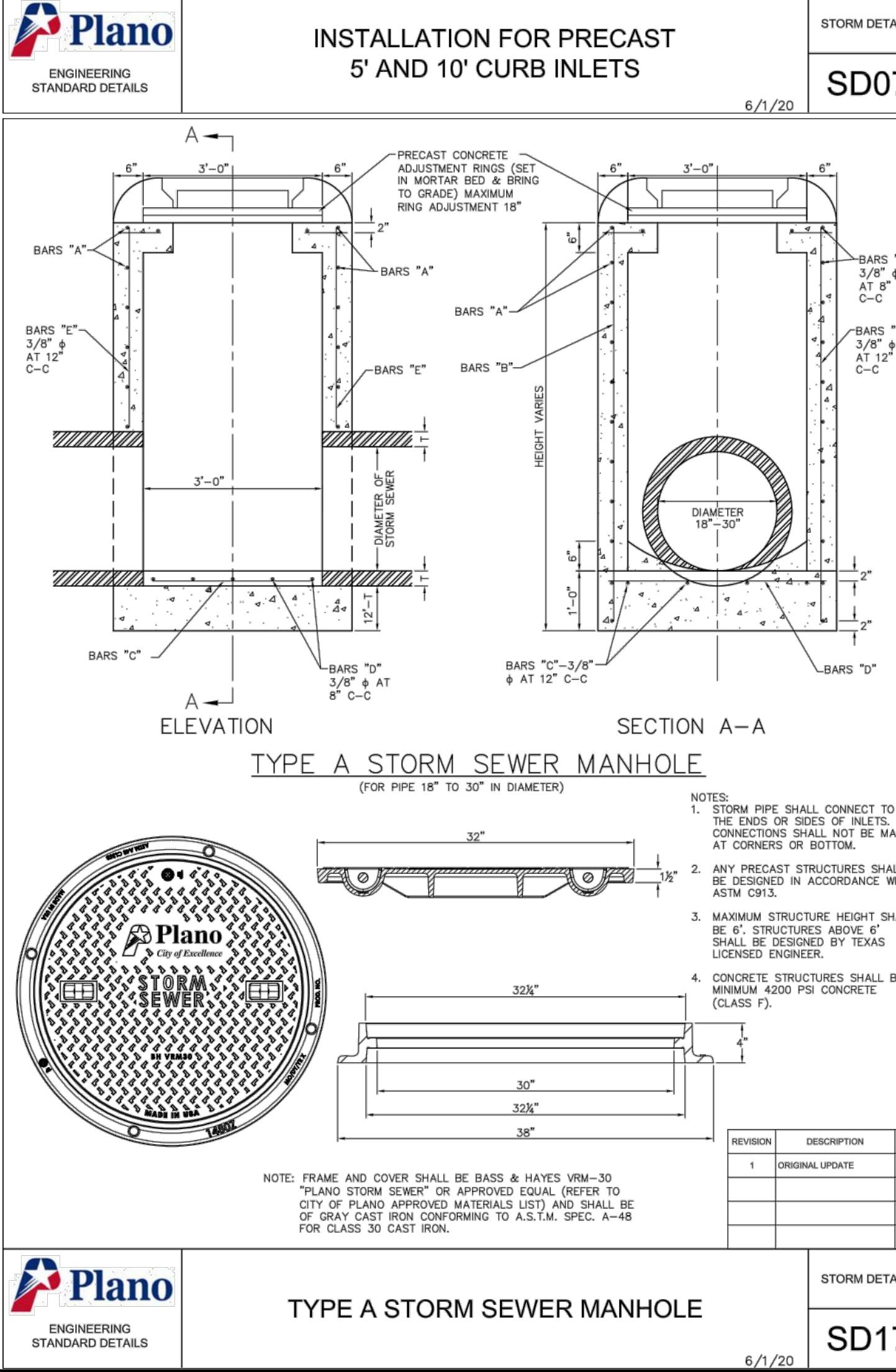
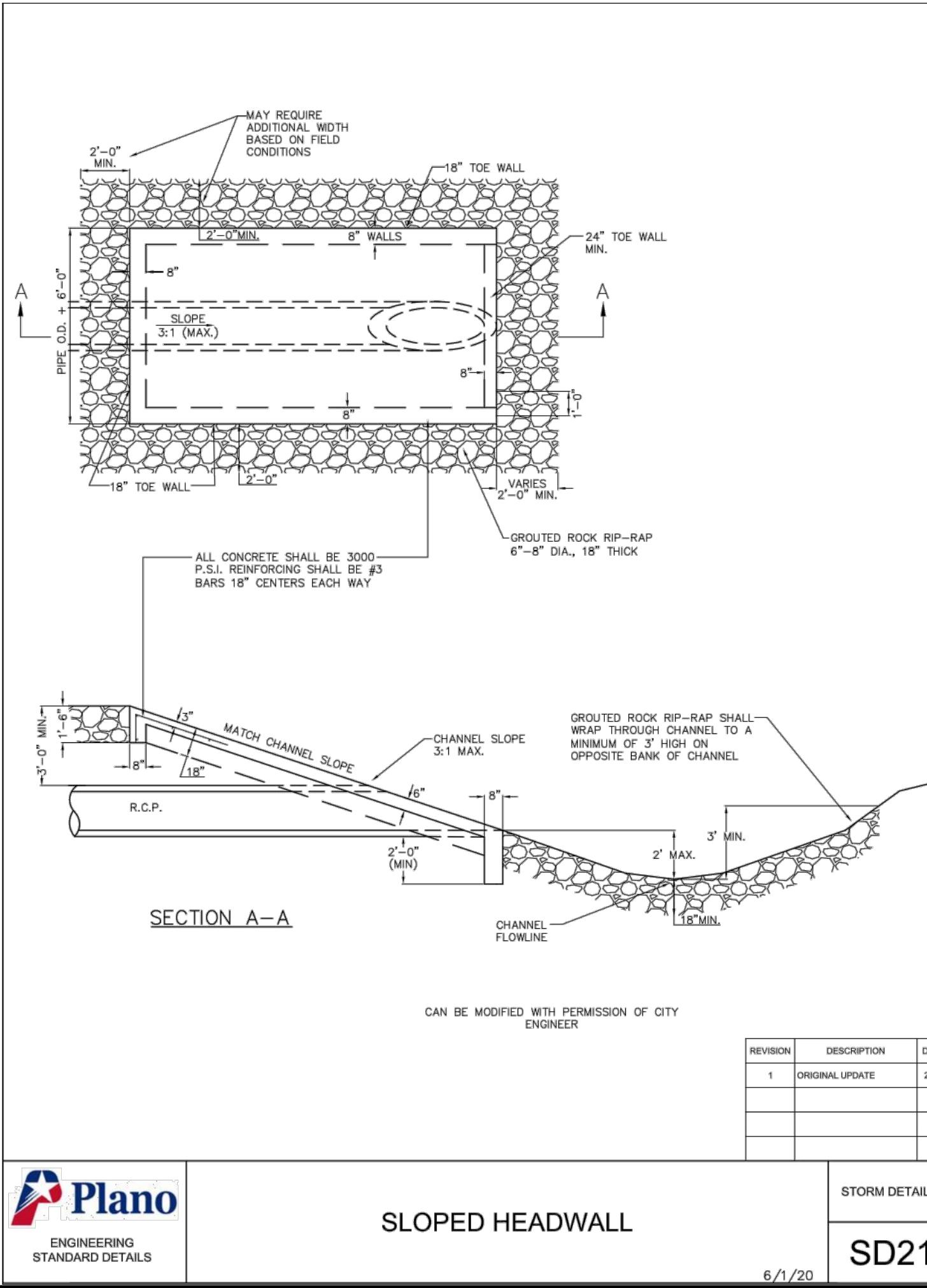
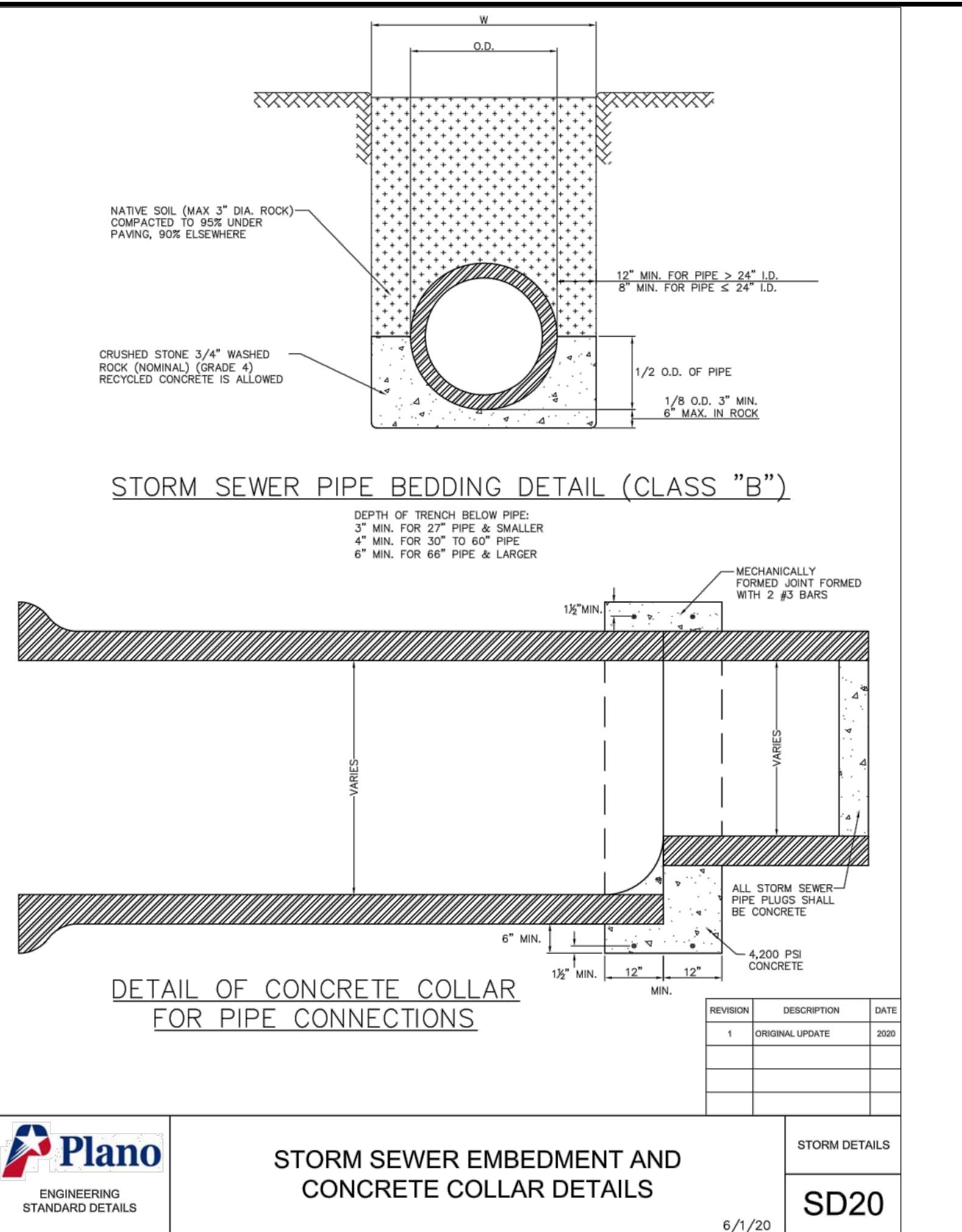
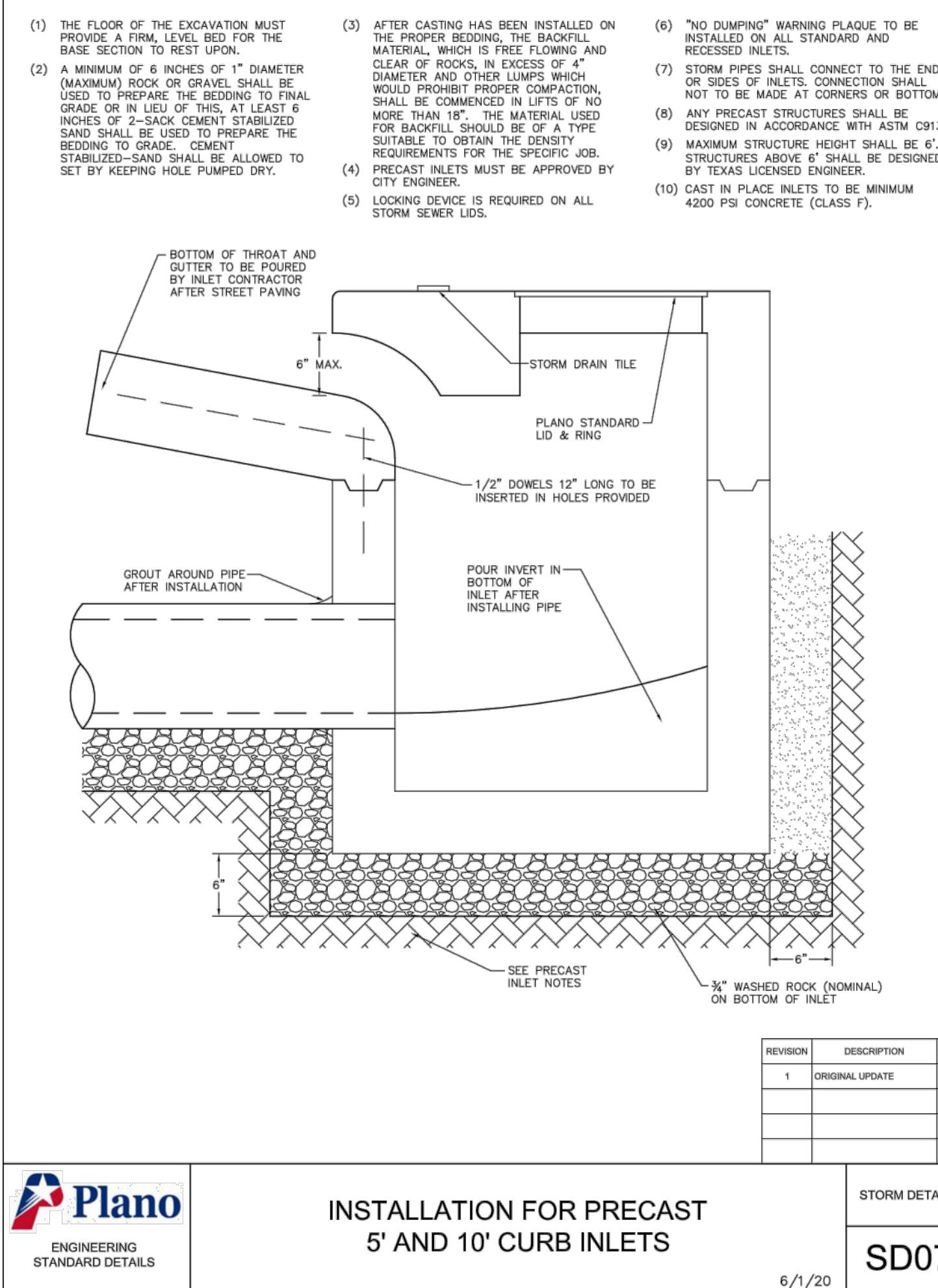
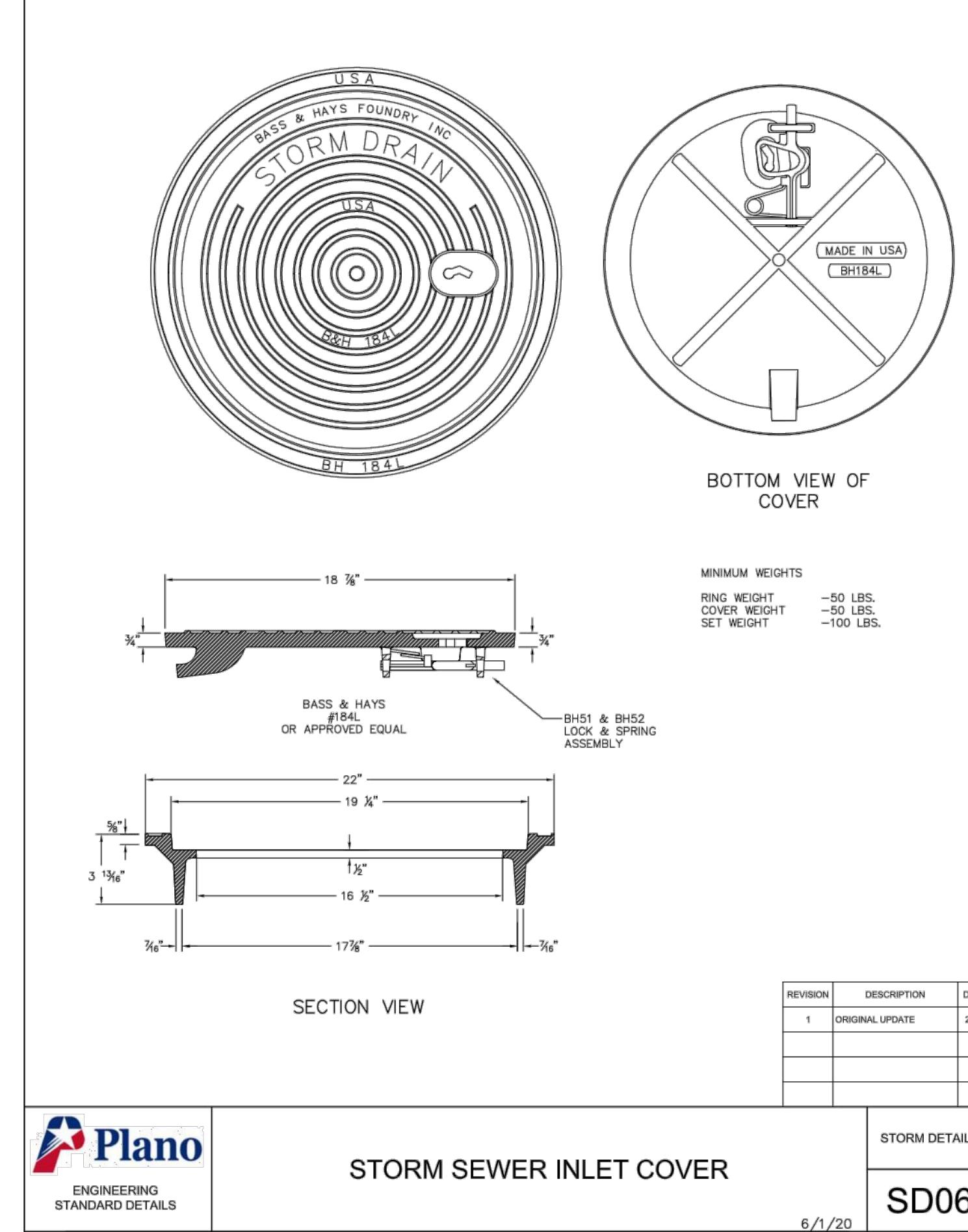
PANORAMA STREET

CITY OF PARKER

COLLIN COUNTY, TEXAS

LJA Engineering, Inc.		LJA
6060 North Central Expressway Suite 400 Dallas, Texas 75206		Phone 469.621.0710
		FRN - F-1386
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<p>LJA PROJECT ID NT561-0133</p> <p>DATE: JUN 2023</p> <p>DESIGN: N/A</p> <p>DRAWN: MARTINEZ</p> <p>SCALE</p> <p>HORZ: NOT TO SCALE</p> <p>VERT: NOT TO SCALE</p> <p>SHEET</p> <p>34</p> <p>OF 35 SHEETS</p>		





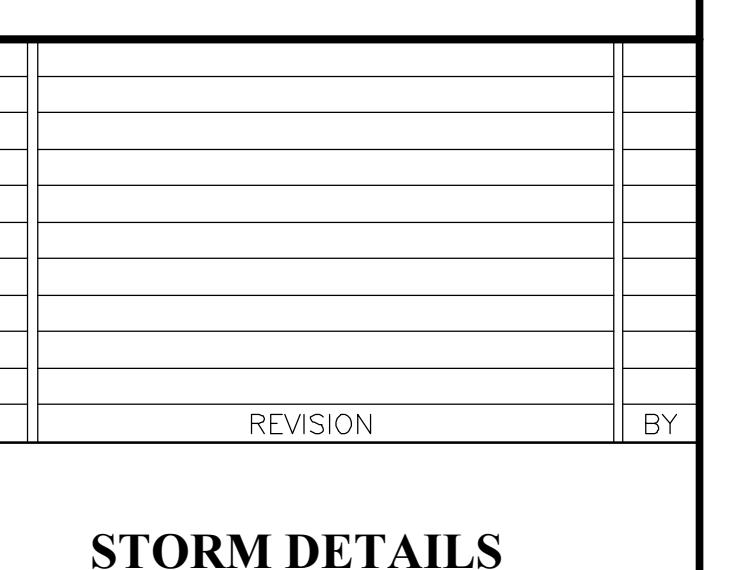
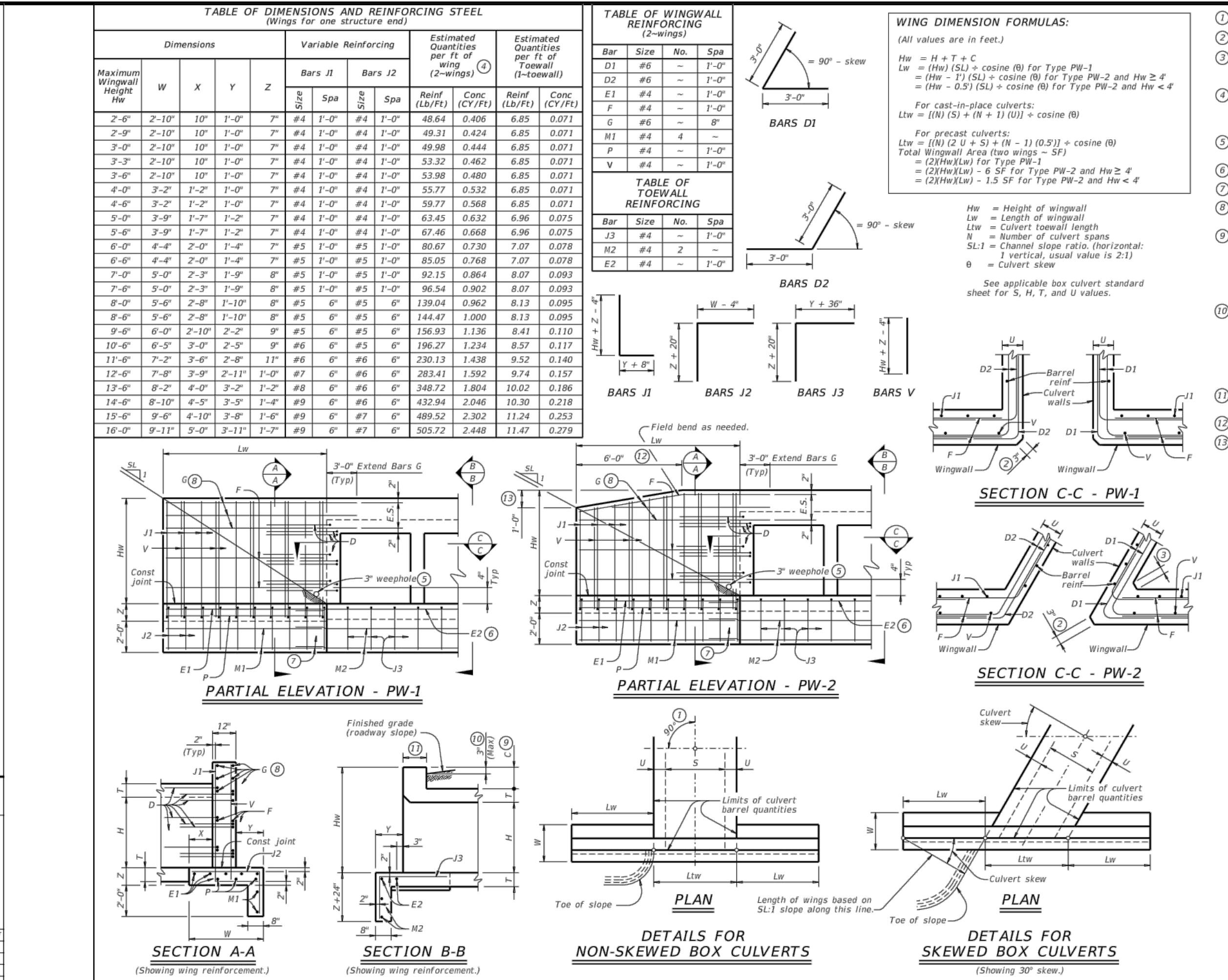
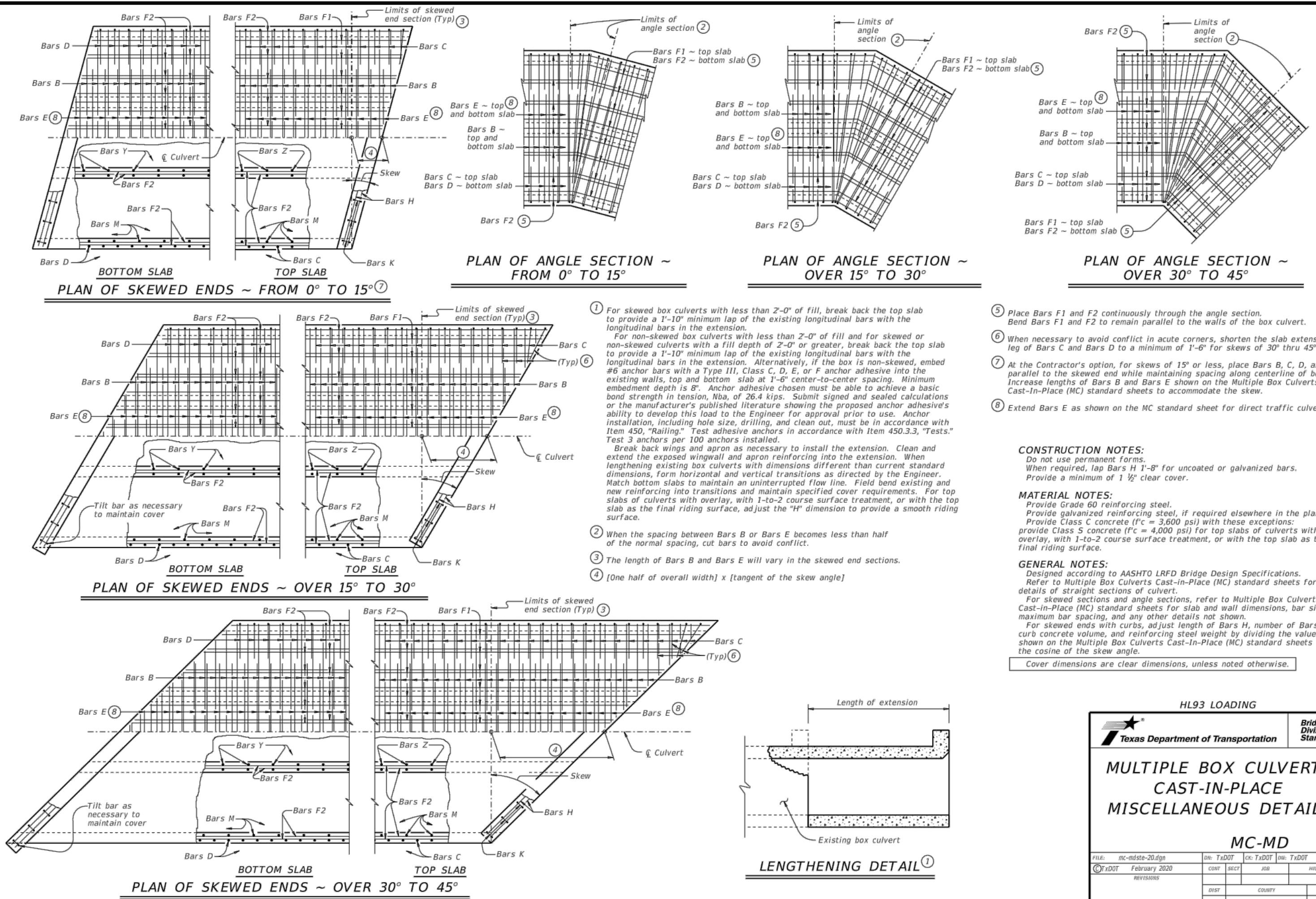
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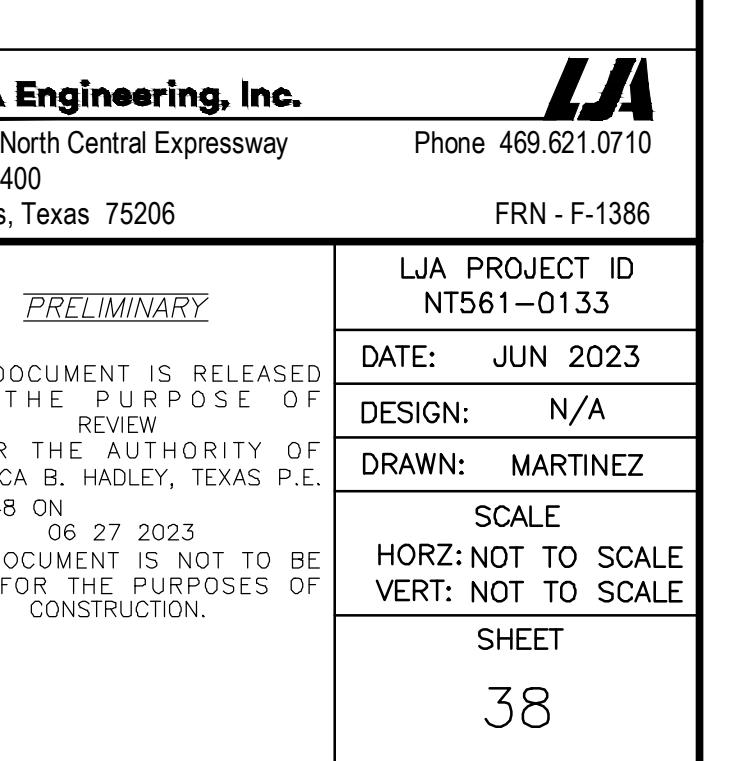
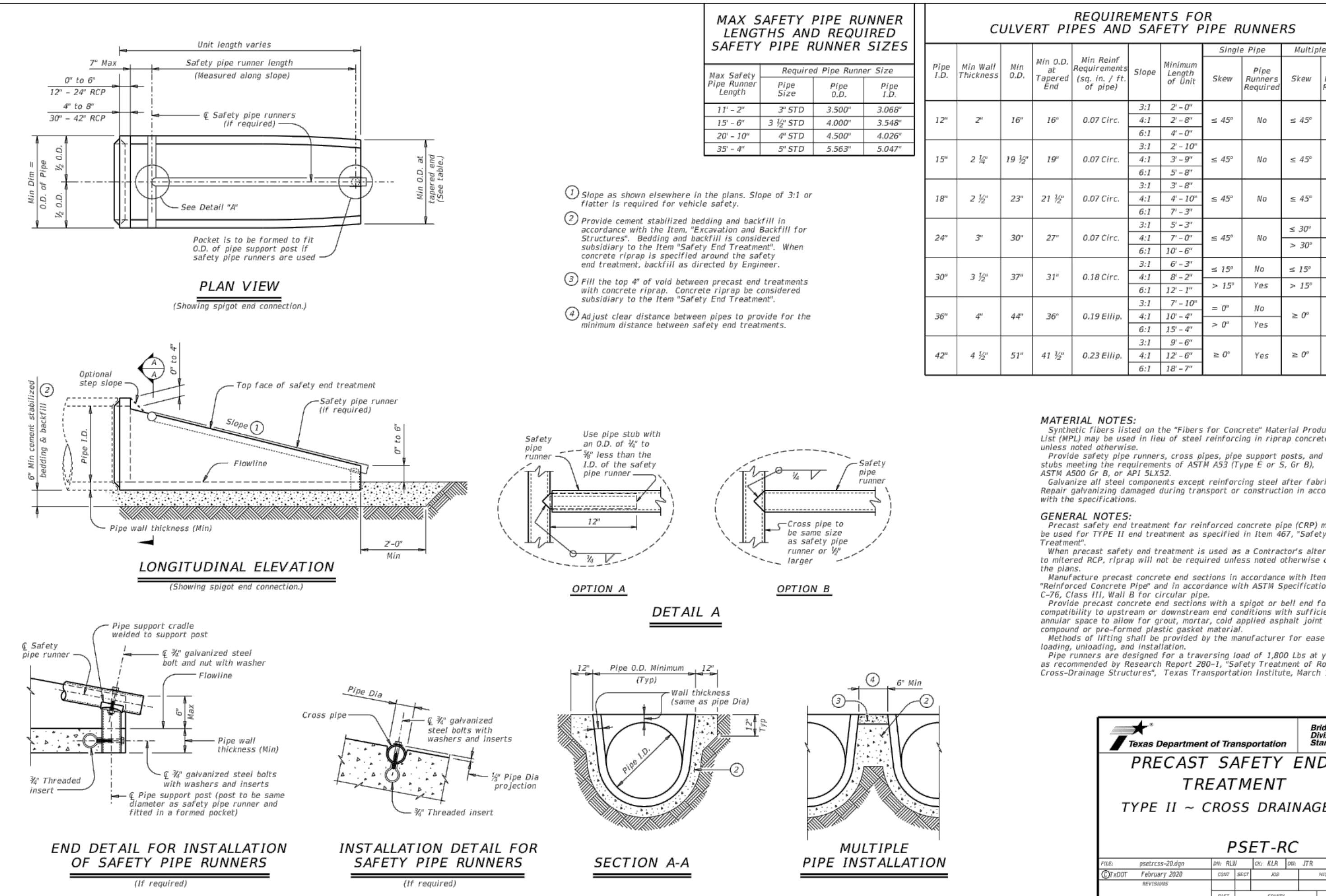
STORM DETAILS
SD20
 DATE: JUN 2023
 DESIGN: N/A
 DRAWN: MARTINEZ
 SCALE: HORIZ: NOT TO SCALE
 VERT: NOT TO SCALE
 SHEET 36 OF 35 SHEETS

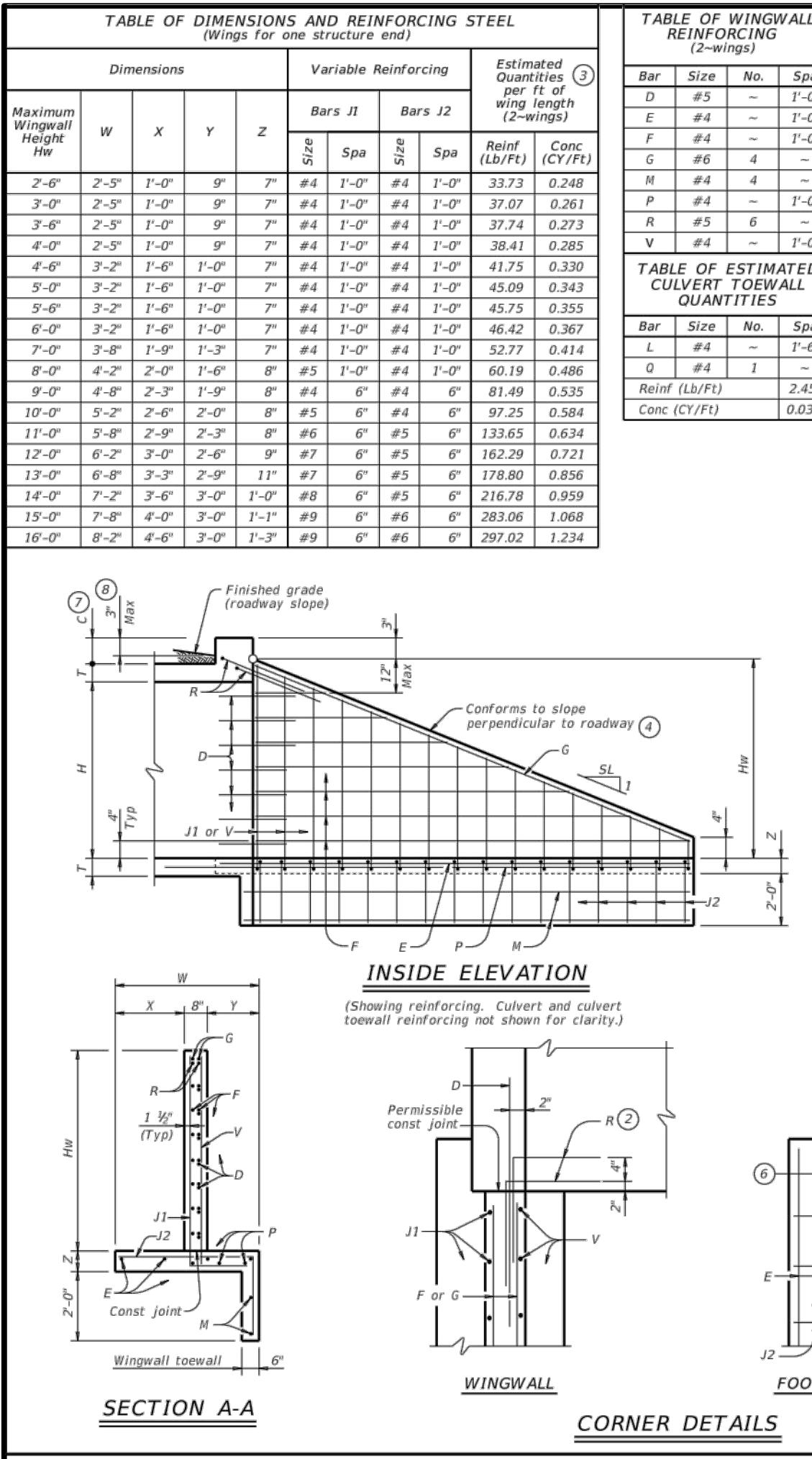
PANORAMA STREET



ANORAMA STREET

**CITY OF PARKER
ELLIN COUNTY, TEXAS**



**TABLE OF WINGWALL REINFORCING (2-wings)**

Bar	Size	No.	Spa
D	#5	—	1'-0"
E	#4	—	1'-0"
F	#4	—	1'-0"
G	#6	4	—
M	#4	4	—
P	#4	—	1'-0"
R	#5	6	—
V	#4	—	1'-0"

(All values are in feet.)

Hw = *H* + *T* + *C* (SL)*Lw* = (*Hw* + 0.333) (SL)

For cast-in-place culverts:

Ltw = (*N*) (*S*) + (*N* - 1) (*U*)

For precast culverts:

Ltw = (*N* (20 + *S*) + (*N* - 1) (0.5))Total Wingwall Area (two wings - *S*) = (*Hw* + 0.333) (*Lw*)

① Extend Bars P 3'-0" minimum into bottom slab of box culvert.

② Adjust as necessary to maintain 1 1/2" clear cover and 4" minimum between bars.

③ Quantities shown are based on an average wing height for two wings (one structure end). To determine total quantities for two wings, multiply the tabulated values by *Lw*.

④ Recommended values of side slope are: 2:1, 3:1, 4:1, and 6:1.

⑤ When shown, these are the plans constructed. If the plans call for a slope, provide a slope as required by Item 432, "Riprap". Unless otherwise shown on the plans or directed by the Engineer, provide a minimum of 1 1/2" clear cover for the concrete toewall along all edges of the riprap adjacent to natural ground; reinforce the toewall by extending the longitudinal reinforcement into the toewall; and extend construction joints or grooved joints oriented in the direction of flow across the full distance of the riprap. If the plans call for a slope, when such riprap is provided, the culvert toewall shown in SECTION B-B will not be required.

⑥ At Contractor's option, culvert toewall may be ended flush with wingwall toewall. Adjust reinforcing as required.

⑦ If *H* is 6'-0" Max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail or curbs taller than 1'-0", refer to the Extended Curb Details (ECD) standard sheet. For structures with T631-CM Rail Mounting, refer to the Box Culvert Rail Mounting Details (T631-CM) standard sheet. For Box Culvert Rail Mounting Details (T631), refer to the structures with bridge rail other than T631 or T631LS.

⑧ For vehicle safety, the following requirements must be met:

For structures without bridge rail, construct curbs with a minimum height of 1'-0".

For structures with bridge rail, construct curbs flush with finished grade.

Reduced height may be necessary, to meet the above requirements.

No changes will be made in quantities and no additional compensation will be allowed for this work.

MATERIAL NOTES:Provide Class H concrete (*f'c* = 3,600 psi).

Provide Grade 60 reinforcing steel.

Provide galvanized reinforcing steel if required elsewhere in the plans.

In riprap concrete, synthetic fibers listed on the "Fibers for Concrete" Material Producer List (NPL) may be used in lieu of steel reinforcing unless noted otherwise.

GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.

When structure is founded on solid rock, depth of toewall for culverts and wingwalls may be reduced or eliminated as required.

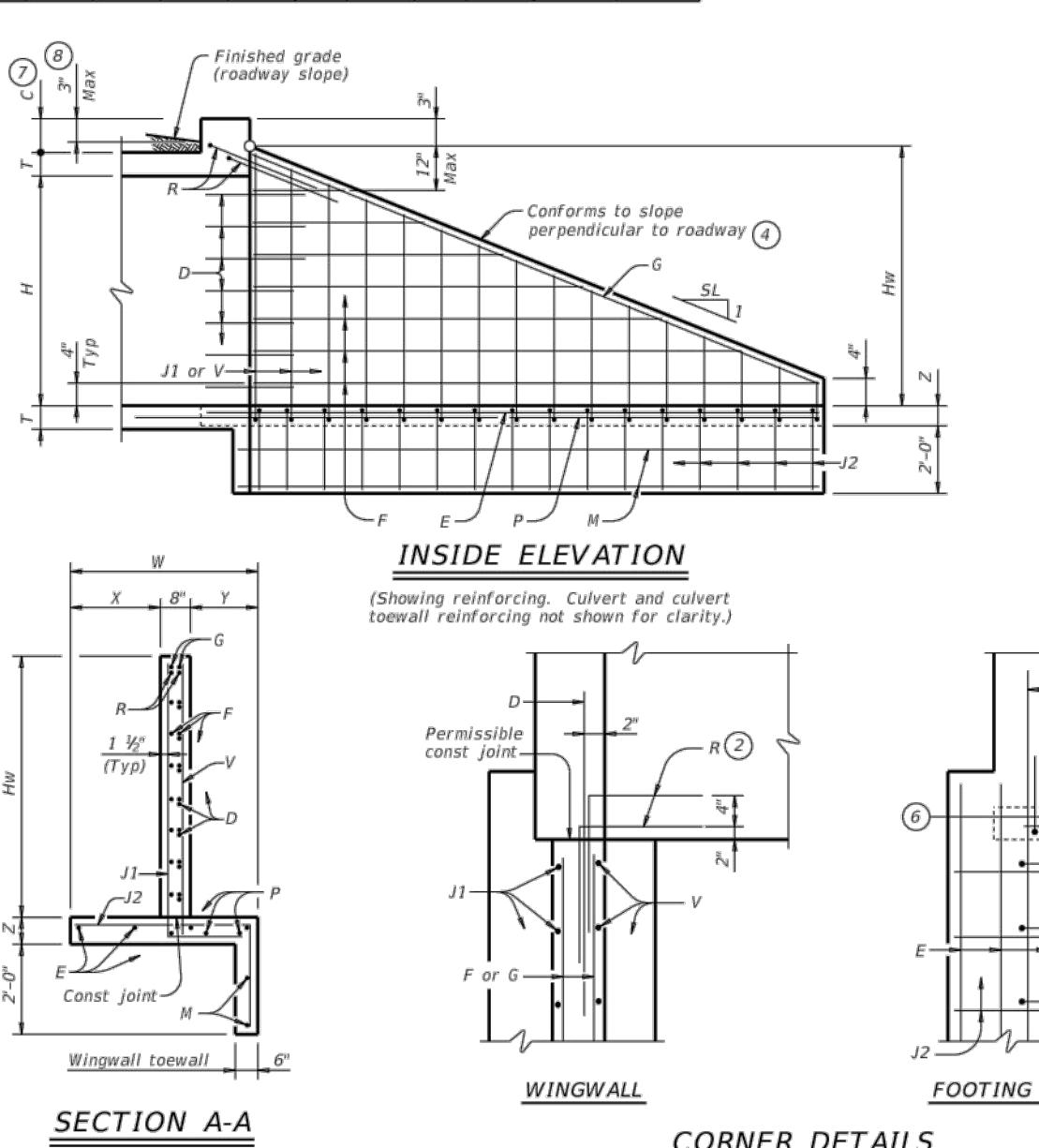
See Box Culvert Supplement (BCS) standard sheet.

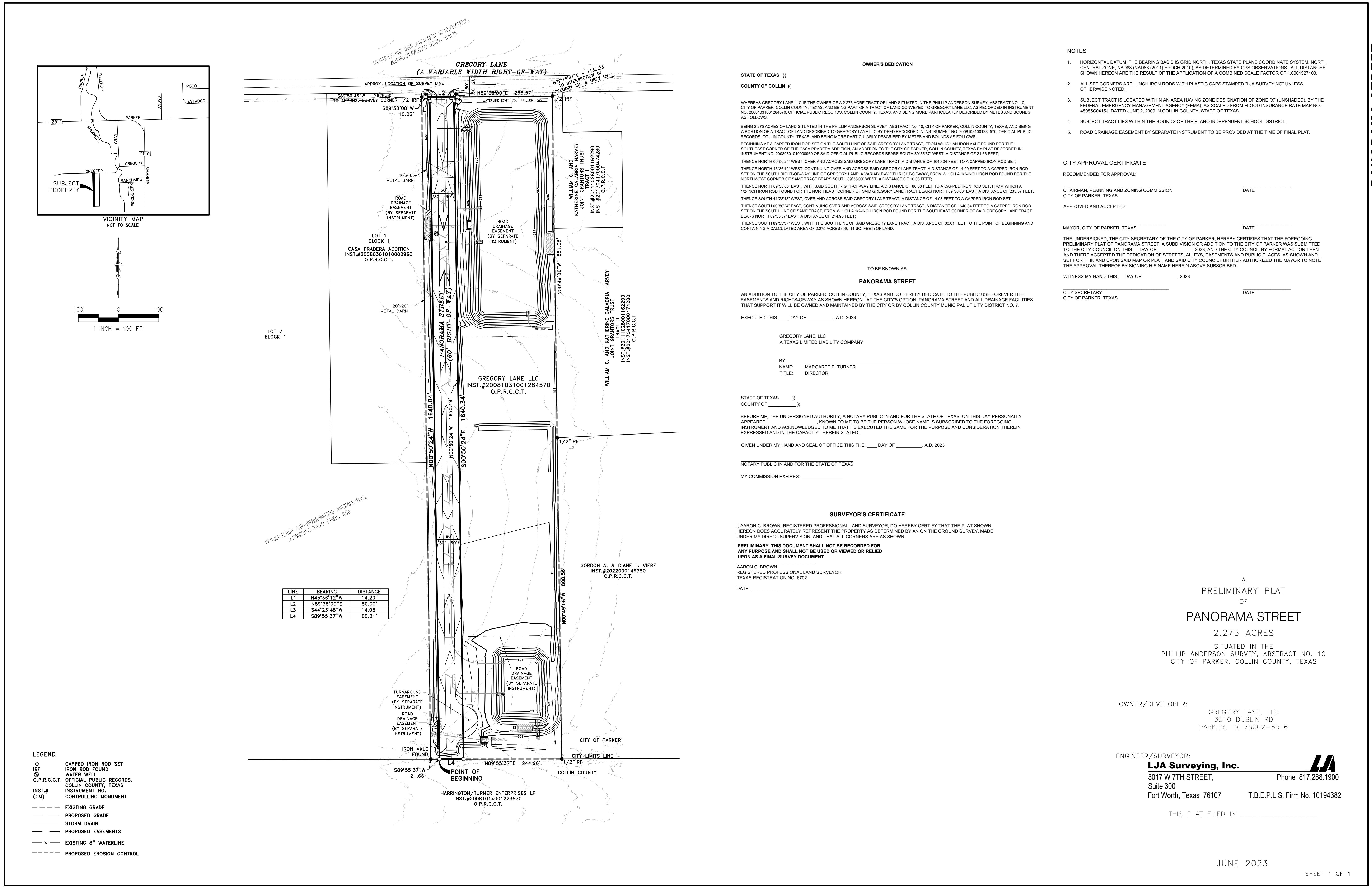
For additional dimensions and information.

The following notes on reinforcement and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only.

Cover dimensions are clear dimensions, unless noted otherwise.

Reinforcing dimensions are out-to-out of bars.







DEVELOPMENT APPLICATION
City of Parker, Texas

Proposed Name of Subdivision: Panorama Street

Plat Approval Requested	Filing Fee	Filing Fee
<input checked="" type="checkbox"/> Preliminary Plat	<u>\$800.00 + \$30/acre</u>	<input type="checkbox"/> Final Plat <u>\$800.00 + \$30/acre</u>
<input type="checkbox"/> Site Plan	<u>\$300.00 + \$25/acre</u>	<input type="checkbox"/> Minor Plat (5 acres or less) <u>\$500.00 + \$100/lot</u>
<input type="checkbox"/> Replat/Amended	<u>\$500.00 plus \$15/lot</u>	<input type="checkbox"/> Development Plat <u>\$300.00 + \$30/acre</u>

Physical Location of Property: 5710 Gregory Lane, Parker, TX 75002 (Approx. 2700ft West of the intersection of North Murphy Road and Gregory Lane)
 (Address and General Location – Approximate distance to the nearest existing street corner)

Brief Legal description of Property (must attach accurate metes and bound description to application):

2.275 Acre tract situated in the Phillip Anderson Survey, Abstract No. 10 City of Parker, Collin County, Texas
 (Survey/Abstract No. and Tracts: or platted Subdivision Name with Lot/Block)

Acreage: 2.275 Existing # of Lots/Tracts: N/A Existing Zoning: Single Family Residential
 (If a PD, include the Ordinance with application)

Property Owner's Name: Gregory Lane, LLC Phone Number: 214-802-0011

Applicant/Contact Person: Margaret Turner Title: President

Company Name: Gregory Lane, LLC

Street/Mailing Address: 3510 Dublin Road City: Parker State: TX Zip: 75002

Phone: 214-802-0011 Fax: _____ Email Address: margaretet16@yahoo.com

Engineering Company: LJA Engineering

Contact Person: Michelle Tilotta, P.E. Title: Project Manager

Street/Mailing Address: 6060 N. Central Expy. Suite 400 City: Dallas State: TX Zip: 75206

Phone: 214-451-0862 Fax: _____ Email Address: mtilotta@lja.com

**** READ BEFORE SIGNING BELOW:** If there is more than one property owner, complete a separate sheet with the same wording as below. The City requires all Original Signatures. If applicant is other than the property owner, a "Power of Attorney" with original, notarized signatures is required.

STATE OF TEXAS) (

COUNTY OF COLLIN) (

BEFORE ME, a Notary Public, on this day personally appeared Margaret Turner the undersigned applicant, who, under oath, stated the following "I hereby certify that I am the owner, or duly authorized agent of the owner, (Proof must be attached, e.g. "Power of Attorney") for the purposes of this application; that all information submitted herein is true and correct. I understand that submitting this application does not constitute approval, and incomplete application will result in delays and possible denial."

Margaret Turner
 Owner Agent (circle one)

SUBSCRIBED AND SWORN TO before me, this the 28th day of June, 2023.

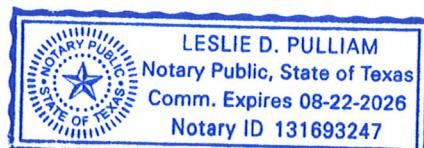
Notary Public in and for the State of Texas: Leslie D. Pulliam

Over

City of Parker * 5700 E. Parker Road, Parker Texas 75002 972-442-6811 Fax 972-442-2894 www.parkertexas.us

BIT 1/2006

NET GR-Commercial - Adm111.Gov4B - P2Ufrm_App_DevelopmentDEVELOPMENT APPLICATION Revised_20160720.doc



SUBMITTAL DEADLINES: Twenty eight (28) days prior to the Planning and Zoning Commission Meeting Date. Planning and Zoning Commission meets the second and fourth Thursday of each month.

SUBMISSIONS. Failure to submit all materials (including three sets of bound engineering plans) to the City with this application will result in delays scheduling the agenda date. Submit twelve (12) FOLDED to 8 1/2" X 11" copies of 24" X 36" prints [1"=100' scale] + electronic version in jpeg, .tiff, or .pdf format. Applicant is to submit a complete copy of this application and drawings to the City Engineer

ALL APPLICATIONS MUST BE COMPLETE BEFORE THEY WILL BE PLACED ON A CITY AGENDA. It is the applicant's responsibility to be familiar with and to comply with, all City submittal requirements in the Zoning and Subdivision Ordinance (www.parkertexas.us), and any separate submittal policies, requirements and/or checklists that may be obtained from City staff)

NOTICE OF PUBLIC RECORDS: The submission of plans/drawings/etc. with this application makes such items public record, and the applicant understands that these items may be viewed by the general public. Unless the applicant expressly states otherwise in writing, submission of this application (with associated plans/drawings/etc.) will be considered consent by the applicant that the general public may view and/or reproduce (i.e. copy) such documents.

SUBMITTAL FEES: All fees are due and payable at the time of application, except inspection, engineering and legal fees, which are due at the time of pre-Construction meeting with the City. No construction shall take place prior to the pre-construction meeting and submission of certified construction cost bid(s) by the contractor(s) and Owner. No hearing will be scheduled nor will any reviews be made until payment of required filing fees has been accomplished. Fees are non-refundable regardless of outcome of request.

City Contact Information:

Public Workers Superintendent

City of Parker, Texas

5700 E. Parker Road * Parker, Texas 75002

Phone 972-442-6811 * Fax 972-442-2894 * www.parkertexas.us

OFFICE USE ONLY This submittal meets the City of Parker's requirements per City ordinances for processing.

Signature

Title

OFFICIAL SUBMISSION DATE

Fees Paid \$ _____ Check # _____ From: _____

P&Z Agenda Date: _____ Action: _____ CC Agenda Date: _____ Action: _____

Current Zoning: _____ Ordinance Number: _____ Date Approved: _____

Staff Comments forwarded to applicant on: _____ Revisions Due no later than: _____

Plans routed for review on _____, to: Public Works Director

City Engineer

Building Official

Fire Department

Public Hearing Required: Yes No

Paper Notice _____ (date)

Written Notice _____ (date)

METES AND BOUNDS DESCRIPTION
2.275 ACRES

BEING 2.275 ACRES OF LAND SITUATED IN THE PHILLIP ANDERSON SURVEY, ABSTRACT No. 10, CITY OF PARKER, COLLIN COUNTY, TEXAS, AND BEING A PORTION OF A TRACT OF LAND DESCRIBED TO GREGORY LANE LLC BY DEED RECORDED IN INSTRUMENT NO. 20081031001284570, OFFICIAL PUBLIC RECORDS, COLLIN COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A CAPPED IRON ROD SET ON THE SOUTH LINE OF SAID GREGORY LANE TRACT, FROM WHICH AN IRON AXLE FOUND FOR THE SOUTHEAST CORNER OF THE CASA PRADERA ADDITION, AN ADDITION TO THE CITY OF PARKER, COLLIN COUNTY, TEXAS BY PLAT RECORDED IN INSTRUMENT NO. 20080301010000960 OF SAID OFFICIAL PUBLIC RECORDS BEARS SOUTH 89°55'37" WEST, A DISTANCE OF 21.66 FEET;

THENCE NORTH 00°50'24" WEST, OVER AND ACROSS SAID GREGORY LANE TRACT, A DISTANCE OF 1640.04 FEET TO A CAPPED IRON ROD SET;

THENCE NORTH 45°36'12" WEST, CONTINUING OVER AND ACROSS SAID GREGORY LANE TRACT, A DISTANCE OF 14.20 FEET TO A CAPPED IRON ROD SET ON THE SOUTH RIGHT-OF-WAY LINE OF GREGORY LANE, A VARIABLE-WIDTH RIGHT-OF-WAY, FROM WHICH A 1/2-INCH IRON ROD FOUND FOR THE NORTHWEST CORNER OF SAME TRACT BEARS SOUTH 89°38'00" WEST, A DISTANCE OF 10.03 FEET;

THENCE NORTH 89°38'00" EAST, WITH SAID SOUTH RIGHT-OF-WAY LINE, A DISTANCE OF 80.00 FEET TO A CAPPED IRON ROD SET, FROM WHICH A 1/2-INCH IRON ROD FOUND FOR THE NORTHEAST CORNER OF SAID GREGORY LANE TRACT BEARS NORTH 89°38'00" EAST, A DISTANCE OF 235.57 FEET;

THENCE SOUTH 44°23'48" WEST, OVER AND ACROSS SAID GREGORY LANE TRACT, A DISTANCE OF 14.08 FEET TO A CAPPED IRON ROD SET;

THENCE SOUTH 00°50'24" EAST, CONTINUING OVER AND ACROSS SAID GREGORY LANE TRACT, A DISTANCE OF 1640.34 FEET TO A CAPPED IRON ROD SET ON THE SOUTH LINE OF SAME TRACT, FROM WHICH A 1/2-INCH IRON ROD FOUND FOR THE SOUTHEAST CORNER OF SAID GREGORY LANE TRACT BEARS NORTH 89°55'37" EAST, A DISTANCE OF 244.96 FEET;

THENCE SOUTH 89°55'37" WEST, WITH THE SOUTH LINE OF SAID GREGORY LANE TRACT, A DISTANCE OF 60.01 FEET TO THE **POINT OF BEGINNING** AND CONTAINING A CALCULATED AREA OF 2.275 ACRES (99,111 SQ. FEET) OF LAND.

PRELIMINARY, THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED, VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT

DUPLICATE RECEIPT

1

DATE: 6/27/23
 ACCOUNT: R601000000201
 OWNER: GREGORY LANE LLC
 PARCEL ADDRESS: 0005710 GREGORY LN
 EXEMPTION CODES: AG002
 LAWSUIT:
 BKRPTCY:

LEGAL: ABS A0010 PHILLIP ANDERSON SURVEY
 TRACT 2
 12.357 ACRES

PIDN: 2117133
 ACRES: 12.357

GREGORY LANE LLC
 3510 DUBLIN RD
 ALLEN TX 75002-6516

RECEIPT #: 46950938

CHECK #: 1002

DEPOSIT #: 202212068829-2022/lockbox

YEAR	TAXING ENTITIES	TAXABLE VALUE	TAX RATE PER \$100	PAY TYPE	DATE PAID	BASE TAX PAID	PENALTY & INTEREST PAID
2022	COLLIN COUNTY	\$170,753.00	0.152443	L	12/5/22	\$260.30	\$0.00
2022	PARKER CITY	\$170,753.00	0.329289	L	12/5/22	\$562.27	\$0.00
2022	COLLIN COLLEGE	\$170,753.00	0.081220	L	12/5/22	\$138.69	\$0.00
2022	PLANO ISD	\$170,753.00	1.259750	L	12/5/22	\$2,151.06	\$0.00
AMOUNT TENDERED		\$3,112.32				PAYER: GREGORY LANE LLC 3510 DUBLIN RD ALLEN TX 75002-6516	
AMOUNT PAID							
BASE TAX		\$3,112.32					
TOTAL PAID		\$3,112.32					

REMAINING AMOUNT DUE
 AS OF 6/27/23
 0.00

Collin County
 Kenneth L. Maun
 P.O. Box 8046
 McKinney, Texas 75070
 972-547-5020

OWNER: GREGORY LANE LLC
 2117133

*** THIS IS A RECEIPT ***

ACCOUNT: R601000000201

REMAINING AMOUNT DUE
 AS OF 6/27/23
 0.00





6060 N Central Expy, Suite 440, Dallas, TX 75206
t 469.621.0710 www.ljaengineering.com

LETTER OF TRANSMITTAL

To: Luke Olson
City of Parker
5700 E Parker Rd
Parker, Texas 75002

Date: 06.28.2023
LJA Job No. NT561-0133
From: Michelle Tilotta, P.E.
LJA Engineering
RE: Panorama Street

WE ARE SENDING YOU the following items:

Shop Drawings Prints Plans Samples Specifications

Copy of Letter Change Order Contract Other:

Copies	Date	Description
1	June 2023	Preliminary Plat Application
5	June 2023	24"x36" Panorama Street Preliminary Plat - Bond
12	June 2023	11"x17" Panorama Street Preliminary Plat
3	June 2023	Panorama Street Construction Plans
1	June 2023	8.5"x11" Property Metes and Bounds
1	June 2023	Tax Certificate
1	June 2023	Check in the amount of \$868.25
1	June 2023	CD Containing Preliminary Plat Application, Preliminary Plat, Construction Plans, Metes and Bounds, Tax Certificate, and Copy of Check

THESE ARE TRANSMITTED as checked below:

<input type="checkbox"/> For approval	<input type="checkbox"/> Approved as submitted	<input type="checkbox"/> Resubmit _____ copies for approval
<input type="checkbox"/> For your use	<input type="checkbox"/> Approved as noted	<input type="checkbox"/> Submit _____ copies for distribution
<input type="checkbox"/> As requested	<input type="checkbox"/> Returned for corrections	<input type="checkbox"/> Return _____ executed agreement
<input checked="" type="checkbox"/> For review & comment	<input type="checkbox"/> For signatures	<input type="checkbox"/> _____

REMARKS: Please see the attached Preliminary Plat Application, Preliminary Plats, Construction Plans, Property Metes and Bounds, and Tax Certificate.

-CC
Misty Ventura,
Shupe Ventura, PLLC

C: _____ SIGNED: _____
S:\NTX-LAND\0133\NT561\700 COMMUNICATIONS\730 Transmittal\2023.06.27_Preliminary Plat App to City of Parker.docx