CIVIL CONSTRUCTION DOCUMENTS
PAVING, DRAINAGE & UTILITY IMPROVEMENTS

ROCKWALL INDUSTRIAL

PREPARED FOR

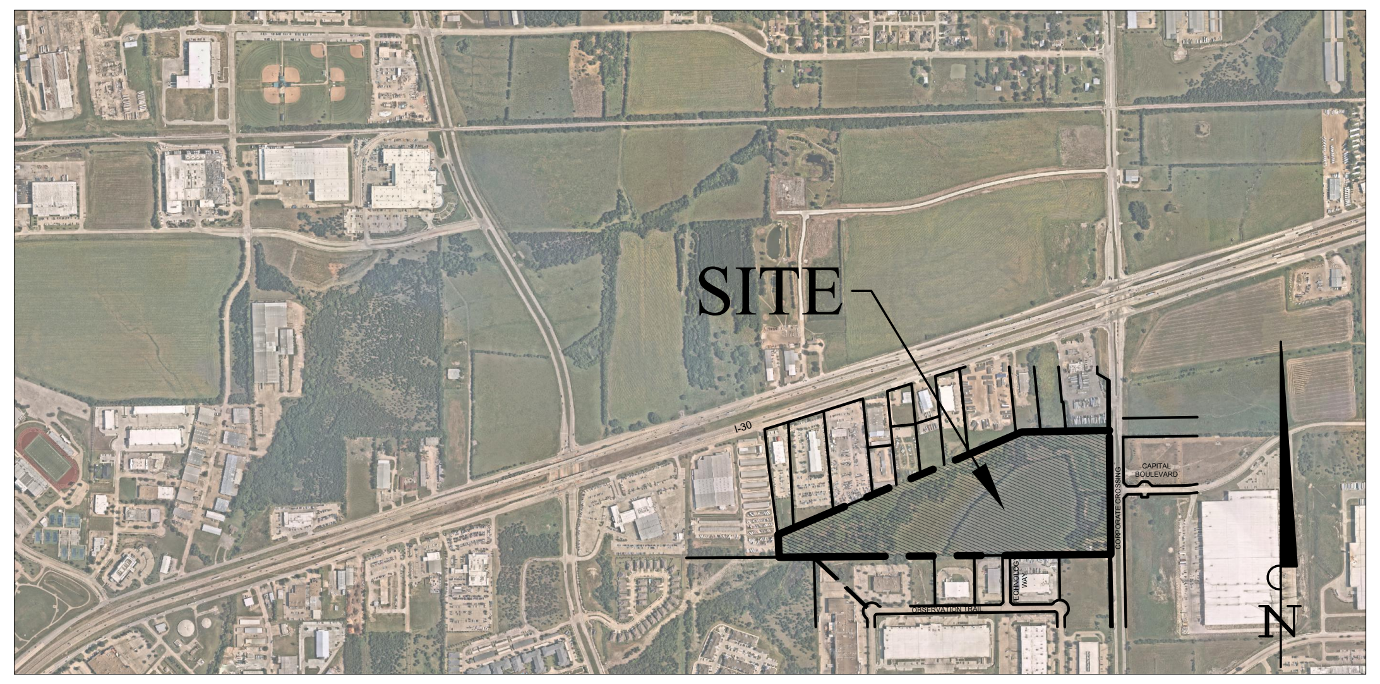
STREAM REALTY ACQUISITION, LLC.

1515 CORPORATE CROSSING
CITY OF ROCKWALL,
ROCKWALL COUNTY, TEXAS

PLAN SUBMITTAL LOG

1ST CITY CIVIL ENGINEERING SUBMITTAL - NOT FOR CONSTRUCTION -	SEPTEMBER 15, 2021
2ND CITY CIVIL ENGINEERING SUBMITTAL - NOT FOR CONSTRUCTION -	NOVEMBER 8, 2021
3RD CITY CIVIL ENGINEERING SUBMITTAL - NOT FOR CONSTRUCTION -	JANUARY 17, 2022
4TH CITY CIVIL ENGINEERING SUBMITTAL - ISSUE FOR CONSTRUCTION -	MARCH 3, 2022
1st CITY REVISION CIVIL ENGINEERING SUBMITTAL - ISSUE FOR CONSTRUCTION -	JUNE 2, 2022
RECORD DRAWINGS CIVIL ENGINEERING SUBMITTAL	MAY 11, 2023

VICINITY MAP (NTS)



MAY 2023

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"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

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* THE STANDARD CITY DETAILS REFERENCED IN THIS DRAWING SET WERE SELECTED BY THE ENGINEER OF RECORD AS APPLICABLE TO THIS PROJECT.

No.	REVISIONS	DATE

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KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

COVER SHEET

SHEET NUMBER
C-001

CITY FILE NO. SP2023-006

IMAGES	DSA : Stream Rockwall Vicinity Map :
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GENERAL ITEMS

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

EROSION CONTROL & VEGETATION

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

TRAFFIC CONTROL

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

UTILITY LINE LOCATES

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

WATER LINE NOTES

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

WASTEWATER LINE NOTES

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

GENERAL CONSTRUCTION NOTES
Sheet 1 of 2
October 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

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"RECORD DRAWING"
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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

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138132
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AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GENERAL NOTES (1 OF 3)

SHEET NUMBER
C-002

CITY FILE NO. SP2023-006

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DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION NOTES

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

PAVING AND GRADING

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

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

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

DRAINAGE / STORM SEWER NOTES

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

RETAINING WALLS

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

FINAL ACCEPTANCE AND RECORD DRWINGS/AS-BUILTS

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

GENERAL CONSTRUCTION NOTES
Sheet 2 of 2
October 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

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

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023
BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GENERAL NOTES (2 OF 3)

SHEET NUMBER
C-003

CITY FILE NO. SP2023-006

KH GENERAL NOTES

OVERALL:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN) STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.
2. THE CONTRACTOR SHALL COMPLY WITH CITY (OR TOWN) "GENERAL NOTES" FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE CITY. FOR INSTANCES WHERE THEY CONFLICT WITH THESE KH GENERAL NOTES, THEN THE MORE RESTRICTIVE SHALL APPLY.
3. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES' SPECIFICATIONS AND REQUIREMENTS.
4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
5. THE EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY THE PROJECT SURVEYOR, AND ARE BASED ON THE BENCHMARKS SHOWN. THE CONTRACTOR SHALL REFERENCE THE SAME BENCHMARKS.
6. THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING TOPOGRAPHIC SURVEY SHOWN ON THE PLANS REPRESENTS EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DISCREPANCIES FOUND TO THE OWNER AND ENGINEER IMMEDIATELY.
7. IF THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO THE OWNER AND ENGINEER FOR REVIEW.
8. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING AND STAKING.
9. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL, INCLUDING BENCHMARKS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS. PROPERTY LINES AND CORNERS SHALL BE HELD AS THE HORIZONTAL CONTROL.
10. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. 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 ARCHITECT, ENGINEER, AND THE CITY AND OWNER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
11. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
13. CONTRACTOR SHALL CALL TEXAS 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.
14. CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC AND PRIVATE UTILITIES.
15. THE LOCATIONS, ELEVATIONS, DEPTH, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY MAPS AND PLANS, AND ARE CONSIDERED APPROXIMATE AND INCOMPLETE. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION, ELEVATION, DEPTH, AND DIMENSION OF EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE ENGINEER SHALL BE NOTIFIED WHEN A PROPOSED IMPROVEMENT CONFLICTS WITH AN EXISTING UTILITY.
16. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE, RELOCATING EXISTING POLES AND GUY WIRES THAT ARE LOCATED IN PROPOSED DRIVEWAYS, ADJUSTING THE HORIZONTAL OR VERTICAL ALIGNMENT OF EXISTING UNDERGROUND UTILITIES TO ACCOMMODATE PROPOSED GRADE OR CROSSING WITH A PROPOSED UTILITY, AND ANY OTHERS THAT MAY BE ENCOUNTERED THAT ARE UNKNOWN AT THIS TIME AND NOT SHOWN ON THESE PLANS.
17. CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS, CABLE, OVERHEAD AND UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED.
18. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION, AND SERVICE TO THE PROPOSED DEVELOPMENT.
19. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTORS' FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
20. BRACING OF UTILITY POLES MAY BE REQUIRED BY THE UTILITY COMPANIES WHEN TRENCHING OR EXCAVATING IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR, WITH NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE PAY ITEM.
21. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND UTILITY OWNER REGULATIONS PERTAINING TO WORK SETBACKS FROM POWER LINES.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.
23. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, GEOTECHNICAL REPORT AND ADDENDA, PROJECT AND CITY SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS.
24. ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE.
25. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.
26. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
27. CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
28. ALL SYMBOLS SHOWN ON THESE PLANS (E.G. FIRE HYDRANT, METERS, VALVES, INLETS, ETC.…) ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE. CONTRACTOR SHALL COORDINATE FINAL SIZES AND LOCATIONS WITH APPROPRIATE CITY INSPECTOR.
29. THE SCOPE OF WORK FOR THE CIVIL IMPROVEMENTS SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. REFERENCE THE BUILDING PLANS (E.G. ARCHITECTURAL, STRUCTURAL, MEP) FOR AREAS WITHIN 5-FEET OF THE BUILDING AND WITHIN THE BUILDING FOOTPRINT.
30. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMENSIONS.
31. THE PROPOSED BUILDING FOOTPRINT(S) SHOWN IN THESE PLANS WAS PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (KH) BY THE PROJECT ARCHITECT AT THE TIME THESE PLANS WERE PREPARED. IT MAY NOT BE THE FINAL CORRECT VERSION BECAUSE THE BUILDING DESIGN WAS ONGOING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFIRMING THE FINAL CORRECT VERSION OF THE BUILDING FOOTPRINT WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO LAYOUT. DIMENSIONS AND/OR COORDINATES SHOWN ON THESE PLANS WERE BASED ON THE ABOVE STATED ARCHITECTURAL FOOTPRINT, AND ARE THEREFORE A PRELIMINARY LOCATION OF THE BUILDING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERIFY WHAT PART OF THE BUILDING THE ARCHITECT'S FOOTPRINT REPRESENTS (E.G. SLAB, OUTSIDE WALL, MASONRY LEDGE, ETC.….) AND TO CONFIRM ITS FINAL POSITION ON THE SITE BASED ON THE FINAL ARCHITECTURAL FOOTPRINT, CIVIL DIMENSION CONTROL PLAN, SURVEY BOUNDARY AND/OR PLAT. ANY DIFFERENCES FOUND SHALL BE REPORTED TO KH IMMEDIATELY.
32. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT ADDENDA.
33. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND COMPLY WITH CITY STANDARD SPECIFICATIONS AND GEOTECHNICAL REPORT. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING.
34. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER, ARCHITECT, AND CITY INSPECTOR DIRECTLY FROM THE TESTING AGENCY.
35. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
36. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING, IF NONE IS CURRENTLY EXISTING.
37. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
38. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
39. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC.… TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
40. ALL AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER, INCLUDING AS NECESSARY GRADING, LANDSCAPING, CULVERTS, AND PAVEMENT.
41. THE CONTRACTOR SHALL SALVAGE ALL EXISTING POWER POLES, SIGNS, WATER VALVES, FIRE HYDRANTS, METERS, ETC... THAT ARE TO BE RELOCATED DURING CONSTRUCTION AND RETURN TO OWNERS OF THE UTILITY.
42. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
43. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
44. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
45. SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
46. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
47. SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS.
48. CONTRACTOR OFFICE AND STAGING AREA SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION OFFICE, TRAILER, STORAGE, AND STAGING OPERATIONS AND LOCATIONS.
49. LIGHT POLES, SIGNS, AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES OR EASEMENTS.
50. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
51. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING.
52. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING.
53. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE CITY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.
54. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.
55. CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.
56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION.

EROSION CONTROL:

1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE "TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000".
3. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE.
4. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT.
5. CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPS), AND FOR UPDATING THE EROSION CONTROL PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHANGE.
6. CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL FOR EACH BMP EMPLOYED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE.
7. AS STORM SEWER INLETS ARE INSTALLED ON-SITE, TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED AT EACH INLET PER APPROVED DETAILS.
8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED.
9. CONTRACTOR SHALL PROVIDE ADEQUATE EROSION CONTROL DEVICES NEEDED DUE TO PROJECT PHASING.
10. CONTRACTOR SHALL OBSERVE THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND MAKE FIELD ADJUSTMENTS AND MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. IF THE EROSION CONTROL DEVICES DO NOT EFFECTIVELY CONTROL EROSION AND PREVENT SEDIMENTATION FROM WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
11. OFF-SITE SOIL BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) 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 EROSION AND SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AND EROSION CONTROL PLAN TO INCLUDE BMPS FOR ANY OFF-SITE THAT ARE NOT ANTICIPATED OR SHOWN ON THE EROSION CONTROL PLAN.
12. ALL STAGING, STOCKPILES, SPOIL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. PROTECTIVE MEASURES SHALL BE PROVIDED IF NEEDED TO ACCOMPLISH THIS REQUIREMENT, SUCH AS COVERING OR ENCIRCLING THE AREA WITH AN APPROPRIATE BARRIER.
13. CONTRACTORS SHALL INSPECT ALL EROSION CONTROL DEVICES, BMPS, DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS WEEKLY AND WITHIN 24 HOURS OF ALL RAINFALL EVENTS OF 0.5 INCHES OR GREATER, AND KEEP A RECORD OF THIS INSPECTION IN THE SWPPP BOOKLET IF APPLICABLE, TO VERIFY THAT THE DEVICES AND EROSION CONTROL PLAN ARE FUNCTIONING PROPERLY.
14. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS IN ACCORDANCE WITH CITY SPECIFICATIONS. CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS.
15. SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT ONTO OFF-SITE ROADWAYS. ALL SEDIMENT AND DIRT FROM THE SITE THAT IS DEPOSITED ONTO AN OFF-SITE ROADWAY SHALL BE REMOVED IMMEDIATELY.
16. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-SITE ROADWAYS THAT ARE A RESULT OF THE CONSTRUCTION, AS REQUESTED BY OWNER AND CITY. AT A MINIMUM, THIS SHOULD OCCUR ONCE PER DAY FOR THE OFF-SITE ROADWAYS.
17. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO EXITING THE SITE, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP BMP.
18. CONTRACTOR SHALL INSTALL A TEMPORARY SEDIMENT BASIN FOR ANY ON-SITE DRAINAGE AREAS THAT ARE GREATER THAN 10 ACRES, PER TCEQ AND CITY STANDARDS. IF NO ENGINEERING DESIGN HAS BEEN PROVIDED FOR A SEDIMENTATION BASIN ON THESE PLANS, THEN THE CONTRACTOR SHALL ARRANGE FOR AN APPROPRIATE DESIGN TO BE PROVIDED.
19. ALL FINES IMPOSED FOR SEDIMENT OR DIRT DISCHARGED FROM THE SITE SHALL BE PAID BY THE RESPONSIBLE CONTRACTOR.
20. WHEN SEDIMENT OR DIRT HAS CLOGGED THE CONSTRUCTION ENTRANCE VOID SPACES BETWEEN STONES OR DIRT IS BEING TRACKED ONTO A ROADWAY, THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH-DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL SEDIMENTATION. PERIODIC RE-GRADING OR NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFECTIVENESS OF THE CONSTRUCTION ENTRANCE.
21. TEMPORARY SEEDING OR OTHER APPROVED STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE OF ANY AREA, UNLESS ADDITIONAL CONSTRUCTION IN THE AREA IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
22. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION, ALWAYS CLEANING UP DIRT, LOOSE MATERIAL, AND TRASH AS CONSTRUCTION PROGRESSES.
23. UPON COMPLETION OF FINE GRADING, ALL SURFACES OF DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. STABILIZATION IS ACHIEVED WHEN THE AREA IS EITHER COVERED BY PERMANENT IMPERVIOUS STRUCTURES, SUCH AS BUILDINGS, SIDEWALK, PAVEMENT, OR A UNIFORM PERENNIAL VEGETATIVE COVER.
24. AT THE CONCLUSION OF THE PROJECT, ALL INLETS, DRAIN PIPE, CHANNELS, DRAINAGEWAYS AND BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE DREDGED, AND THE SEDIMENT GENERATED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

STORM WATER DISCHARGE AUTHORIZATION:

1. CONTRACTOR SHALL COMPLY WITH ALL TCEQ AND EPA STORM WATER POLLUTION PREVENTION REQUIREMENTS.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000.
3. THE CONTRACTOR SHALL ENSURE THAT ALL PRIMARY OPERATORS SUBMIT A NOI TO TCEQ AT LEAST SEVEN DAYS PRIOR TO COMMENCING CONSTRUCTION (IF APPLICABLE), OR IF UTILIZING ELECTRONIC SUBMITTAL, PRIOR TO COMMENCING CONSTRUCTION. ALL PRIMARY OPERATORS SHALL PROVIDE A COPY OF THE SIGNED NOI TO THE OPERATOR OF ANY MS4 (TYPICALLY THE CITY) RECEIVING DISCHARGE FROM THE SITE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE, INCLUDING POSTING SITE NOTICE, INSPECTIONS, DOCUMENTATION, AND SUBMISSION OF ANY INFORMATION REQUIRED BY THE TCEQ AND EPA (E.G. NOI).
5. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN THE REQUIRED CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP.
6. A COPY OF THE SWPPP, INCLUDING NOI, SITE NOTICE, CONTRACTOR CERTIFICATIONS, AND ANY REVISIONS, SHALL BE SUBMITTED TO THE CITY BY THE CONTRACTOR AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION.
7. A NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO TCEQ BY ANY PRIMARY OPERATOR WITHIN 30 DAYS AFTER ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM VEGETATIVE COVER HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY STRUCTURES, A TRANSFER OF OPERATIONAL CONTROL HAS OCCURRED, OR THE OPERATOR HAS OBTAINED ALTERNATIVE AUTHORIZATION UNDER A DIFFERENT PERMIT. A COPY OF THE NOT SHALL BE PROVIDED TO THE OPERATOR OF ANY MS4 RECEIVING DISCHARGE FROM THE SITE.

DEMOLITION:

1. KH IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS PRELIMINARY DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACT THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.
2. KH DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY OTHERS, SHOWS ALL IMPROVEMENTS AND UTILITIES, THAT THE IMPROVEMENTS AND UTILITIES ARE SHOWN ACCURATELY, OR THAT THE UTILITIES SHOWN CAN BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ITS OWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE OWNERS OF IMPROVEMENTS AND UTILITIES THE ABILITY AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES.
3. THIS PLAN IS INTENDED TO GIVE A GENERAL GUIDE TO THE CONTRACTOR, NOTHING MORE. THE GOAL OF THE DEMOLITION IS TO LEAVE THE SITE IN A STATE SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED DEVELOPMENT. REMOVAL OR PRESERVATION OF IMPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR IS STRONGLY CAUTIONED TO REVIEW THE FOLLOWING REPORTS DESCRIBING SITE CONDITIONS PRIOR TO BIDDING AND IMPLEMENTING THE DEMOLITION PLAN:
   a. ENVIRONMENTAL SITE ASSESSMENT PROVIDED BY THE OWNER,
   b. ASBESTOS BUILDING INSPECTION REPORT(S) PROVIDED BY THE OWNER,
   c. GEOTECHNICAL REPORT PROVIDED BY THE OWNER.
   d. OTHER REPORTS THAT ARE APPLICABLE AND AVAILABLE.
5. CONTRACTOR SHALL CONTACT THE OWNER TO VERIFY WHETHER ADDITIONAL REPORTS OR AMENDMENTS TO THE ABOVE CITED REPORTS HAVE BEEN PREPARED AND TO OBTAIN/REVIEW/AND COMPLY WITH THE RECOMMENDATION OF SUCH STUDIES PRIOR TO STARTING ANY WORK ON THE SITE.
6. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE DEMOLISHED MATERIALS OFF-SITE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO REVIEW THE SITE, DETERMINE THE APPLICABLE REGULATIONS, RECEIVE THE REQUIRED PERMITS AND AUTHORIZATIONS, AND COMPLY.
7. KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE SHOWING ALL ITEMS THAT WILL NEED TO BE DEMOLISHED AND REMOVED.
8. SURFACE PAVEMENT INDICATED MAY OVERLAY OTHER HIDDEN STRUCTURES, SUCH AS ADDITIONAL LAYERS OF PAVEMENT, FOUNDATIONS OR WALLS, THAT ARE ALSO TO BE REMOVED.

GRADING:

1. THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE CIVIL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
2. CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY.
3. UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT SURFACE. IN LOCATIONS ALONG A CURB LINE, ADD 6-INCHES (OR THE HEIGHT OF THE CURB) TO THE PAVING GRADE FOR TOP OF CURB ELEVATION.
4. PROPOSED SPOT ELEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT ARE TO TOP OF FINISHED GRADE.
5. PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY.
6. ALL FINISHED GRADES SHALL TRANSITION UNIFORMLY BETWEEN THE FINISHED ELEVATIONS SHOWN.
7. CONTOURS AND SPOT GRADES SHOWN ARE ELEVATIONS OF TOP OF THE FINISHED SURFACE. WHEN PERFORMING THE GRADING OPERATIONS, THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE ELEVATION HOLD-DOWN ALLOWANCE FOR THE THICKNESS OF PAVEMENT, SIDEWALK, TOPSOIL, MULCH, STONE, LANDSCAPING, RIP-RAP AND ALL OTHER SURFACE MATERIALS THAT WILL CONTRIBUTE TO THE TOP OF FINISHED GRADE. FOR EXAMPLE, THE LIMITS OF EARTHWORK IN PAVED AREAS IS THE BOTTOM OF THE PAVEMENT SECTION.
8. NO REPRESENTATIONS OF EARTHWORK QUANTITIES OR SITE BALANCE ARE MADE BY THESE PLANS. THE CONTRACTOR SHALL PROVIDE THEIR OWN EARTHWORK CALCULATION TO DETERMINE THEIR CONTRACT QUANTITIES AND COST. ANY SIGNIFICANT VARIANCE FROM A BALANCED SITE SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER.
9. ALL GRADING AND EARTHWORK SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT ADDENDA.
10. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE REMOVED FROM THE SITE AND APPROPRIATELY DISPOSED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.
11. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF GRADING. REFERENCE EROSION CONTROL PLAN, DETAILS, GENERAL NOTES, AND SWPPP FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
12. BEFORE ANY EARTHWORK IS PERFORMED, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF THE PROJECT'S PROPERTY LINE AND SITE IMPROVEMENTS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
13. CONTRACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS IN A MANNER THAT ADHERES TO LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL KEEP A RECORD OF WHERE EXCESS EXCAVATION WAS DISPOSED, ALONG WITH THE RECEIVING LANDOWNER'S APPROVAL TO DO SO.
14. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF TOPSOIL AT THE COMPLETION OF FINE GRADING. CONTRACTOR SHALL REFER TO LANDSCAPE ARCHITECTURE PLANS FOR SPECIFICATIONS AND REQUIREMENTS FOR TOPSOIL.
15. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
16. NO EARTHWORK FILL SHALL BE PLACED IN ANY EXISTING DRAINAGE WAY, SWALE, CHANNEL, DITCH, CREEK, OR FLOODPLAIN FOR ANY REASON OR ANY LENGTH OF TIME, UNLESS THESE PLANS SPECIFICALLY INDICATE THIS IS REQUIRED.
17. TEMPORARY CULVERTS MAY BE REQUIRED IN SOME LOCATIONS TO CONVEY RUN-OFF.
18. REFER TO DIMENSION CONTROL PLAN, AND PLAT FOR HORIZONTAL DIMENSIONS.
19. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND CONDITION FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. 95% COMPACTION MINIMUM FOR ALL AREAS OUTSIDE THE BUILDING PAD.
20. CONTRACTOR IS RESPONSIBLE FOR ALL SOILS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL SOILS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND SHALL COMPLY WITH CITY STANDARD SPECIFICATIONS AND THE GEOTECHNICAL REPORT. SOILS TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING SOILS. THE OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR SOILS TESTING.
21. ALL COPIES OF SOILS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER, ARCHITECT, AND CITY INSPECTOR DIRECTLY FROM THE TESTING AGENCY.
22. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE SOILS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
23. THE SCOPE OF WORK FOR CIVIL IMPROVEMENT SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT AND STRUCTURAL PLANS AND SPECIFICATIONS FILL, CONDITIONING, AND PREPARATION IN THE BUILDING PAD.
24. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING, IF NONE IS CURRENTLY EXISTING.
25. CONTRACTOR SHALL ENSURE THAT SUFFICIENT POSITIVE SLOPE AWAY FROM THE BUILDING PAD IS ACHIEVED FOR ENTIRE PERIMETER OF THE PROPOSED BUILDING(S) DURING GRADING OPERATIONS AND IN THE FINAL CONDITION. IF THE CONTRACTOR OBSERVES THAT THIS WILL NOT BE ACHIEVED, THE CONTRACTOR SHALL CONTACT THE ENGINEER TO REVIEW THE LOCATION.
26. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS APPROVED BY THE CITY, AT NO ADDITIONAL COST TO THE OWNER.
27. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS NEEDED FOR GRADING OPERATIONS AND TO ACCOMMODATE PROPOSED GRADE, INCLUDING THE UNKNOWN UTILITIES NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL REFER TO THE GENERAL NOTES "OVERALL" SECTION THESE PLANS FOR ADDITIONAL INFORMATION.
28. EXISTING TREE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES FOUND IN THE FIELD THAT AFFECT THE GRADING PLAN TO THE CIVIL ENGINEER.
29. CONTRACTOR SHALL FIELD VERIFY ALL PROTECTED TREE LOCATIONS, INDIVIDUAL PROTECTED TREE CRITICAL ROOT ZONES, AND PROPOSED SITE GRADING, AND NOTIFY THE CIVIL ENGINEER AND LANDSCAPE ARCHITECT OF ANY CONFLICTS WITH THE TREE PRESERVATION PLAN BY THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING THE WORK.
30. TREE PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY STANDARD TREE PROTECTION DETAILS AND THE APPROVED TREE PRESERVATION PLANS BY THE LANDSCAPE ARCHITECT.
31. CONTRACTOR SHALL REFER TO THE LANDSCAPING AND TREE PRESERVATIONS PLANS FOR ALL INFORMATION AND DETAILS REGARDING EXISTING TREES TO BE REMOVED AND PRESERVED.
32. NO TREE SHALL BE REMOVED UNLESS A TREE REMOVAL PERMIT HAS BEEN ISSUED BY THE CITY, OR CITY HAS OTHERWISE CONFIRMED IN WRITING THAT ONE IS NOT NEEDED FOR THE TREE(S).
33. NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER, OWNER'S REPRESENTATIVE, OR CITY. EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE AND GRADING IMPACT TO THEM HELD TO A MINIMUM.
34. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING AND INADEQUATE SLOPE FOR DRAINAGE. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORMWATER RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY AREAS OF POOR DRAINAGE ARE DISCOVERED.
35. CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED, IF THE APPROVAL OF THE CIVIL ENGINEER AND CITY IS OBTAINED.

RETAINING WALLS:

1. RETAINING WALLS SHOWN ARE FOR SITE GRADING PURPOSES ONLY, AND INCLUDE ONLY LOCATION AND SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF THE WALL.
2. RETAINING WALL TYPE OR SYSTEM SHALL BE SELECTED BY THE OWNER.
3. RETAINING WALL DESIGN SHALL BE PROVIDED BY OTHERS AND SHALL FIT IN THE WALL ZONE OR LOCATION SHOWN ON THESE PLANS. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER WALL SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND ARE NOT PART OF THIS PLAN SET.
4. RETAINING WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN AND SHALL ACCOUNT FOR ANY INFLUENCE ON ADJACENT BUILDING FOUNDATIONS, UTILITIES, PROPERTY LINES AND OTHER CONSTRUCTABILITY NOTES.
5. RETAINING WALL ENGINEER SHALL CONSULT THESE PLANS, THE GEOTECHNICAL REPORT, AND CITY REQUIREMENTS FOR POTENTIAL CONFLICTS.

PAVING:

1. ALL PAVING MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION/DETAIL SHALL BE FOLLOWED.
2. ALL PRIVATE ON-SITE PAVING AND PAVING SUBGRADE SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING ALL ADDENDA, AND CITY MINIMUM REQUIREMENTS.
3. ALL FIRELANE PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARDS AND DETAILS. IF THESE ARE DIFFERENT THAN THOSE IN THE GEOTECHNICAL REPORT, THEN THE MORE RESTRICTIVE SHALL BE FOLLOWED.
4. ALL PUBLIC PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
5. CONTRACTOR IS RESPONSIBLE FOR ALL PAVING AND PAVING SUBGRADE TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL PAVING AND PAVING SUBGRADE TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING PAVING AND SUBGRADE. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR PAVING AND PAVING SUBGRADE TESTING.
6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE PAVING AND PAVING SUBGRADE, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
7. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING, IF NONE IS CURRENTLY EXISTING.
8. CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD CONSTRUCTION DETAIL AND SPECIFICATIONS.
9. PRIVATE CURB RAMPS ON THE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO ADA AND TAS STANDARDS AND SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF THE CURB RAMP, NOT INCLUDING FLARES.
10. ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA AND TAS STANDARDS, LATEST EDITION.
11. ANY COMPONENTS OF THE PROJECT SUBJECT TO RESIDENTIAL USE SHALL ALSO CONFORM TO THE FAIR HOUSING ACT, AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
12. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH, FLUSH, CONNECTION.
13. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT AND PAVEMENT MARKINGS SHALL ADHERE TO CITY AND OWNER STANDARDS.
14. REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT PLAN REQUIREMENTS FOR PRIVATE PAVEMENT.
15. REFER TO CITY STANDARD DETAILS AND SPECIFICATIONS FOR JOINT LAYOUT PLAN REQUIREMENTS FOR PUBLIC PAVEMENT.
16. ALL REINFORCING STEEL SHALL CONFORM TO THE GEOTECHNICAL REPORT, CITY STANDARDS, AND ASTM A-615, GRADE 60, AND SHALL BE SUPPORTED BY BAR CHAIRS. CONTRACTOR SHALL USE THE MORE STRINGENT OF THE CITY AND GEOTECHNICAL STANDARDS.
17. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
18. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.
19. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ENGINEER AND OWNER PRIOR TO BEGINNING ANY OF THE PAVING WORK.
20. ALL SAWCUTS SHALL BE FULL DEPTH FOR PAVEMENT REMOVAL AND CONNECTION TO EXISTING PAVEMENT.
21. FIRE LANES SHALL BE MARKED AND LABELED AS A FIRELANE PER CITY STANDARDS.
22. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED.
23. CONTRACTOR IS RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTING, IRRIGATION, ETC. PRIOR TO PLACEMENT OF PAVEMENT. ALL CONSTRUCTION DOCUMENTS (CIVIL, MEP, LANDSCAPE, IRRIGATION, AND ARCHITECT) SHALL BE CONSULTED.
24. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA, TAS, AND FHA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.
25. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA/TAS SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA AND TAS SLOPE COMPLIANCE ISSUES.

STORM DRAINAGE:

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
3. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING STORM SEWER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY STORM SEWER, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.
4. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
5. FLOW LINE, TOP-OF-CURB, RIM, THROAT, AND GRATE ELEVATIONS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE GRADING PLAN AND FIELD CONDITIONS PRIOR TO THEIR INSTALLATION.
6. ALL PUBLIC STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
7. ALL PRIVATE STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
8. ALL PVC TO RCP CONNECTIONS AND ALL STORM PIPE CONNECTIONS ENTERING STRUCTURES OR OTHER STORM PIPES SHALL HAVE A CONCRETE COLLAR AND BE GROUTED TO ASSURE THE CONNECTION IS WATERTIGHT.
9. ALL PUBLIC STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP. PRIVATE STORM SEWER LINES 18-INCHES AND GREATER SHALL BE CLASS III RCP OR OTHER APPROVED MATERIAL.
10. WHERE COVER EXCEEDS 20-FEET OR IS LESS THAN 2-FEET, CLASS IV RCP SHALL BE USED.
11. IF CONTRACTOR PROPOSES TO USE HDPE OR PVC IN LIEU OF RCP FOR PRIVATE STORM SEWER, CONTRACTOR SHALL SUBMIT TECHNICAL DATA TO THE OWNER, ENGINEER AND CITY ENGINEER/INSPECTOR FOR APPROVAL PRIOR TO ORDERING THE MATERIAL. ANY PROPOSED HDPE AND PVC SHALL BE WATERTIGHT.
12. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL STORM SEWER LINES.
13. EMBEDMENT FOR ALL STORM SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.
14. ALL WYE CONNECTIONS AND PIPE BENDS ARE TO BE PREFABRICATED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
15. USE 4 FOOT JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100 FEET.
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
17. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

POND NOTES:

1. ANY PONDS THAT ARE INTENDED TO HOLD WATER INDEFINITELY SHALL BE CONSTRUCTED WATERTIGHT.
2. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR POND LINER SPECIFICATIONS.
3. A GEOTECHNICAL ENGINEER SHALL REVIEW AND APPROVE ALL POND LINER MATERIAL, PLACEMENT PROCEDURES, AND PROVIDE TESTING TO ENSURE THE POND LINER MATERIAL PLACED IS WATERTIGHT.
4. STORM SEWER PIPES AND HEADWALLS THAT CONNECT TO A POND INTENDED TO HOLD WATER INDEFINITELY SHALL BE INSTALLED WITH WATERTIGHT JOINTS TO AT LEAST 1-FOOT ABOVE THE NORMAL POOL WATER SURFACE ELEVATION.
5. ANY GRAVEL OR OTHER PERVIOUS EMBEDMENT AROUND PIPES OR OUTFALL STRUCTURES NEAR THE POND SHALL BE ELIMINATED FOR AT LEAST 20-FEET FROM THE POND SO NO ROUTE FOR WATER TO LEAK THROUGH THE EMBEDMENT MATERIAL IS PROVIDED. BACKFILL IN THESE AREAS SHALL BE OF IMPERVIOUS MATERIAL.
6. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE WATER LEVEL FOLLOWING COMPLETION AND FILLING OF THE POND SHALL BE MONITORED BY THE CONTRACTOR FOR AT LEAST 60 DAYS TO OBSERVE WATER INFLOW, OUTFLOW, AND CALCULATE EVAPORATION TO VERIFY THAT THE POND IS WATERTIGHT.
7. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE POND WATER LEVEL SHALL ALSO BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION SO THAT IT REMAINS FULL TO ITS DESIGN WATER LEVEL, AND IS NOT LOWERED, AS THIS MAY DRY-OUT THE POND LINER AND RISK ITS WATERTIGHT PROPERTIES.

WATER AND WASTEWATER:

1. ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AND WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.
4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE.
5. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS.
6. ALL PUBLIC WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
7. ALL PRIVATE WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
8. FIRE SPRINKLER LINES SHALL BE DESIGNED AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR, AND COMPLY TO THE APPLICABLE CODES AND INSPECTIONS REQUIRED. THESE PLANS WERE PREPARED WITHOUT THE BENEFIT OF THE FIRE SPRINKLER DESIGN. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES.
9. EMBEDMENT FOR ALL WATER AND WASTEWATER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.
10. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, TCEQ, AND AWWA STANDARDS, TO KEEP WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS.
11. CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL WATER AND WASTEWATER LINES.
12. ALL WATER AND WASTEWATER SERVICES SHALL TERMINATE 5-FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE.
13. CONTRACTOR SHALL COMPLY WITH CITY REQUIREMENTS FOR WATER AND WASTEWATER SERVICE DISRUPTIONS AND THE AMOUNT OF PRIOR NOTICE THAT IS REQUIRED, AND SHALL COORDINATE DIRECTLY WITH THE APPROPRIATE CITY DEPARTMENT.
14. CONTRACTOR SHALL SEQUENCE WATER AND WASTEWATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES.
15. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
16. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER AND WASTEWATER LINES CROSSING THE PROJECT. THE CONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES ARE SUBSIDIARY TO THE WORK, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
17. VALVE ADJUSTMENTS SHALL BE CONSTRUCTED SUCH THAT THE COVERS ARE AT FINISHED SURFACE GRADE OF THE PROPOSED PAVEMENT.
18. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
19. ALL FIRE HYDRANTS, VALVES, TEES, BENDS, WYES, REDUCERS, FITTINGS, AND ENDS SHALL BE MECHANICALLY RESTRAINED AND/OR THRUST BLOCKED TO CITY STANDARDS.
20. CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTERED AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 9-FEET FROM THE CROSSING.
21. ALL CROSSINGS AND LOCATIONS WHERE WASTEWATER IS LESS THAN 9-FEET FROM WATER, WASTEWATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH TCEQ CHAPTER 217.53.
22. ALL CROSSING AND LOCATIONS WHERE WATER IS LESS THAN 9-FEET FROM WASTEWATER, WATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH TCEQ CHAPTER 290.44.
23. ALL WATER AND WASTEWATER SHALL BE TESTED IN ACCORDANCE WITH THE CITY, AWWA, AND TCEQ STANDARDS AND SPECIFICATIONS. AT A MINIMUM, THIS SHALL CONSIST OF THE FOLLOWING:
   a. ALL WATERLINES SHALL BE HYDROSTATICALLY TESTED AND CHLORINATED BEFORE BEING PLACED INTO SERVICE. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TCEQ REGULATIONS.
   b. WASTEWATER LINES AND MANHOLES SHALL BE PRESSURE TESTED. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TCEQ REGULATIONS. AFTER COMPLETION OF THESE TESTS, A TELEVISION INSPECTION SHALL BE PERFORMED AND PROVIDED TO THE CITY AND OWNER ON A DVD.
24. CONTRACTOR SHALL INSTALL DETECTABLE WIRING OR MARKING TAPE A MINIMUM OF 12" ABOVE WATER AND WASTEWATER LINES. MARKER DECALS SHALL BE LABELED "CAUTION - WATER LINE", OR "CAUTION - SEWER LINE". DETECTABLE WIRING AND MARKING TAPE SHALL COMPLY WITH CITY STANDARDS, AND SHALL BE INCLUDED IN THE COST OF THE WATER AND WASTEWATER PIPE.
25. DUCTILE IRON PIPE SHALL BE PROTECTED FROM CORROSION BY A LOW-DENSITY POLYETHYLENE LINER WRAP THAT IS AT LEAST A SINGLE LAYER OF 8-MIL. ALL DUCTILE IRON JOINTS SHALL BE BONDED.
26. WATERLINES SHALL BE INSTALLED AT NO LESS THAN THE MINIMUM COVER REQUIRED BY THE CITY.
27. CONTRACTOR SHALL PROVIDE CLEAN-OUTS FOR PRIVATE SANITARY SEWER LINES AT ALL CHANGES IN DIRECTION AND 100-FOOT INTERVALS, OR AS REQUIRED BY THE APPLICABLE PLUMBING CODE. CLEAN-OUTS REQUIRED IN PAVEMENT OR SIDEWALKS SHALL HAVE CAST IRON COVERS FLUSH WITH FINISHED GRADE.
28. CONTRACTOR SHALL PROVIDE BACKWATER VALVES FOR PLUMBING FIXTURES AS REQUIRED BY THE APPLICABLE PLUMBING CODE (E.G. FLOOR ELEVATION OF FIXTURE UNIT IS BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER). CONTRACTOR SHALL REVIEW BOTH MEP AND CIVIL PLANS TO CONFIRM WHERE THESE ARE REQUIRED.
29. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
30. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

ABBREVIATIONS AND DEFINITIONS:

A	AREA
ADA	AMERICANS WITH DISABILITIES ACT
AWWA	AMERICAN WATER WORKS ASSOCIATION
B-B	BACK TO BACK
BC	BEGIN CURVE
BC	BACK OF CURB
BCR	BEGIN CURB RETURN
BMP	BEST MANAGEMENT PRACTICE
BOC	BACK OF CURB
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
BW	BOTTOM OF WALL
CFS	CUBIC FEET PER SECOND
CITY	CITY, TOWN, OR OTHER APPLICABLE LOCAL GOVERNMENT JURISDICTION
C/L	CENTERLINE
CL	CENTERLINE
CONC	CONCRETE
CY	CUBIC YARD
DEMO	DEMOLITION
DG	DECOMPOSED GRANITE
DTL	DETAIL
EA	EACH
EC	END CURVE
ECR	END CURB RETURN
EG	EXISTING GROUND
EL	ELEVATION
ELEC	ELECTRICAL / ELECTRICITY
ELEV	ELEVATION
EPA	UNITES STATES ENVIRONMENTAL PROTECTION AGENCY
ESMT	EASEMENT
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX.	EXISTING
F-F	FACE TO FACE
FG	FINISHED GROUND
FH	FIRE HYDRANT
FL	FLOW LINE
FOC	FACE OF CURB
FT	FEET
HGL	HYDRAULIC GRADE LINE
KH	KIMLEY-HORN AND ASSOCIATES, INC.
KHA	KIMLEY-HORN AND ASSOCIATES, INC.
LAT	LATERAL
LF	LINEAR FEET
LT	LEFT
MAX	MAXIMUM
ME	MATCH EXISTING ELEVATION
MH	MANHOLE
MIN	MINUTE / MINIMUM
NO	NUMBER
NOI	NOTICE OF INTENT, REF. TCEQ GENERAL PERMIT
NOT	NOTICE OF TERMINATION, REF. TCEQ GENERAL PERMIT
NTS	NOT TO SCALE
OC	ON CENTER
OFF	OFFSET
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE / POINT OF COMPOUND CURVATURE
PGL	PROPOSED GRADE LINE
PI	POINT OF INFLECTION
PROP	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INFLECTION
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
RT	RIGHT
SF	SQUARE FEET
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
SY	SQUARE YARD
TAS	ARCHITECTURAL BARRIERS TEXAS ACCESSIBILITY STANDARDS
TC	TOP OF CURB
TCEQ	TEXAS COMMISSION OF ENVIRONMENTAL QUALITY
TEMP	TEMPORARY
TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
TXMUTCD	TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
TW	TOP OF WALL
TYP	TYPICAL
VC	VERTICAL CURVE
WTR	WATER
WW	WASTEWATER

UTILITY CONTACTS:

1. ONCOR ELECTRIC, **JAMES JACKSON, 972-860-6647, JAMES.JACKSON@ONCOR.COM**,
2. ATMOS ENERGY, **THOMAS NEMARIAM, 972-485-6277, THOMAS.NEMARIAM@ATMOSENERGY.COM**
3. CITY WATER/UTILITIES DEPARTMENT, **RICK SHERER, 972-771-7730, RSHERE@ROCKWALL.COM**

THESE PLAN AND GENERAL NOTES REFER TO:
GEOTECHNICAL ENGINEERING REPORT
(FIRM) REED ENGINEERING GROUP
(PROJ./REPORT #) 23874
(DATE) DECEMBER 21, 2020
INCLUDING ALL REVISIONS AND ADDENDA TO THIS REPORT THAT MAY HAVE BEEN RELEASED AFTER THE NOTED DATE.

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

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

DYLAN S. ADAME 138132
05/11/2023
Dylan Adame

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GENERAL NOTES (2 OF 3)

SHEET NUMBER
C-004

CITY FILE NO. SP2023-006

PLOTTED BY SHUROR, AARON 5/11/2023 3:00 PM
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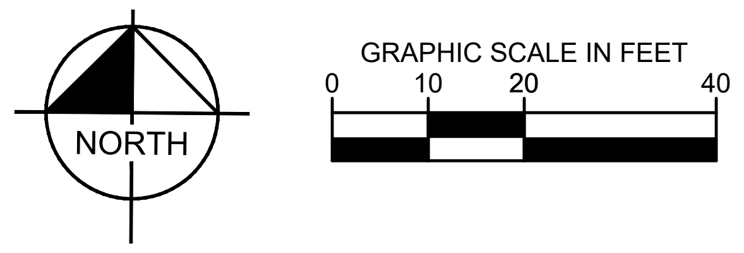
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GRAPHIC SCALE IN FEET
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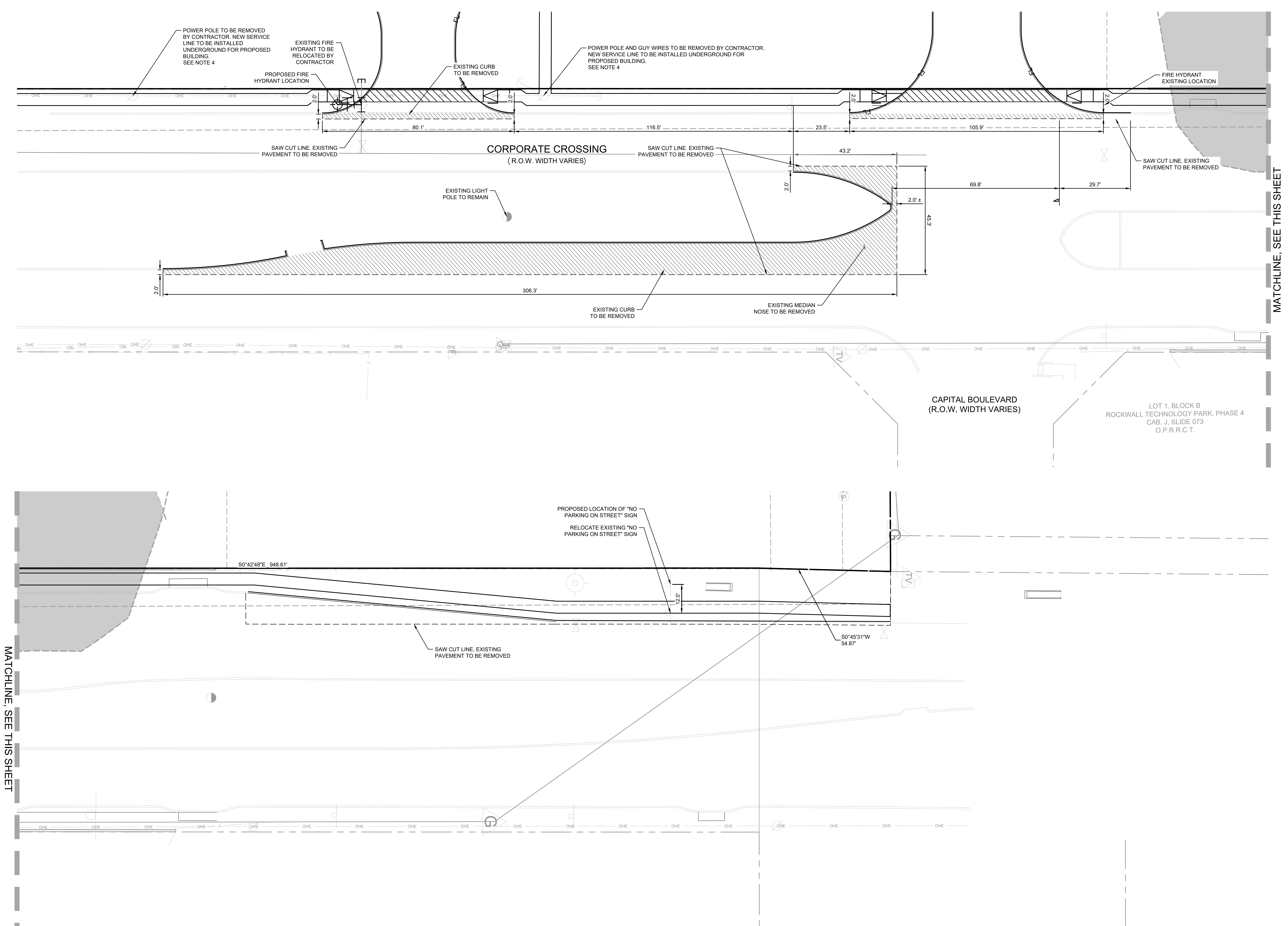
10
20
40


POWER POLE TO BE REMOVED BY CONTRACTOR. NEW SERVICE LINE TO BE INSTALLED UNDERGROUND FOR PROPOSED BUILDING. SEE NOTE 4
EXISTING FIRE HYDRANT TO BE RELOCATED BY CONTRACTOR
PROPOSED FIRE HYDRANT LOCATION
EXISTING CURB TO BE REMOVED
POWER POLE AND GUY WIRES TO BE REMOVED BY CONTRACTOR. NEW SERVICE LINE TO BE INSTALLED UNDERGROUND FOR PROPOSED BUILDING. SEE NOTE 4
FIRE HYDRANT EXISTING LOCATION
OHE
2.0'
80.1'
116.5'
23.5'
105.9'
SAW CUT LINE. EXISTING PAVEMENT TO BE REMOVED
CORPORATE CROSSING
(R.O.W. WIDTH VARIES)
SAW CUT LINE. EXISTING PAVEMENT TO BE REMOVED
43.2'
SAW CUT LINE. EXISTING PAVEMENT TO BE REMOVED
EXISTING LIGHT POLE TO REMAIN
69.8'
29.7'
2.0' ±
45.3'
306.3'
EXISTING CURB TO BE REMOVED
EXISTING MEDIAN NOSE TO BE REMOVED
MATCHLINE, SEE THIS SHEET
CAPITAL BOULEVARD
(R.O.W. WIDTH VARIES)
LOT 1, BLOCK B
ROCKWALL TECHNOLOGY PARK, PHASE 4
CAB. J, SLIDE 073
O.P.R.R.C.T.
PROPOSED LOCATION OF "NO PARKING ON STREET" SIGN
RELOCATE EXISTING "NO PARKING ON STREET" SIGN
S0°42'48"E 948.61'
12.0'
SAW CUT LINE, EXISTING PAVEMENT TO BE REMOVED
S0°45'31"W
54.87'
MATCHLINE, SEE THIS SHEET

LEGEND	
PROPERTY LINE	━━ ━ ━ ━━
EXISTING ASPHALT PAVEMENT TO BE REMOVED	▨
PROPOSED SAWCUT LINE	– – – – –

NOTES

1. DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE INDICATED.
2. SAW CUT LINES SHOWN TO BE 2' FROM EXISTING FACE OF CURB. REFERENCE DIMENSIONAL CONTROL PLAN AND PAVING PLAN FOR PROPOSED CONNECTION DETAILS.
3. CONTRACTOR TO UTILIZE TXDOT STANDARD DETAIL TCP (1-2A)-12 FOR TRAFFIC CONTROL PURPOSES. ONE LANE OF NORTHBOUND AND SOUTHBOUND TRAFFIC MUST BE MAINTAINED AT ALL TIMES.
4. EXISTING POWER SERVICE LINE SERVES ABANDONED SINGLE FAMILY HOME ON PROPERTY. NEW SERVICE LINE TO BE INSTALLED UNDERGROUND BY CONTRACTOR TO SERVE PROPOSED BUILDING.

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05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

DEMOLITION PLAN

SHEET NUMBER
C-101

CITY FILE NO. SP2023-006

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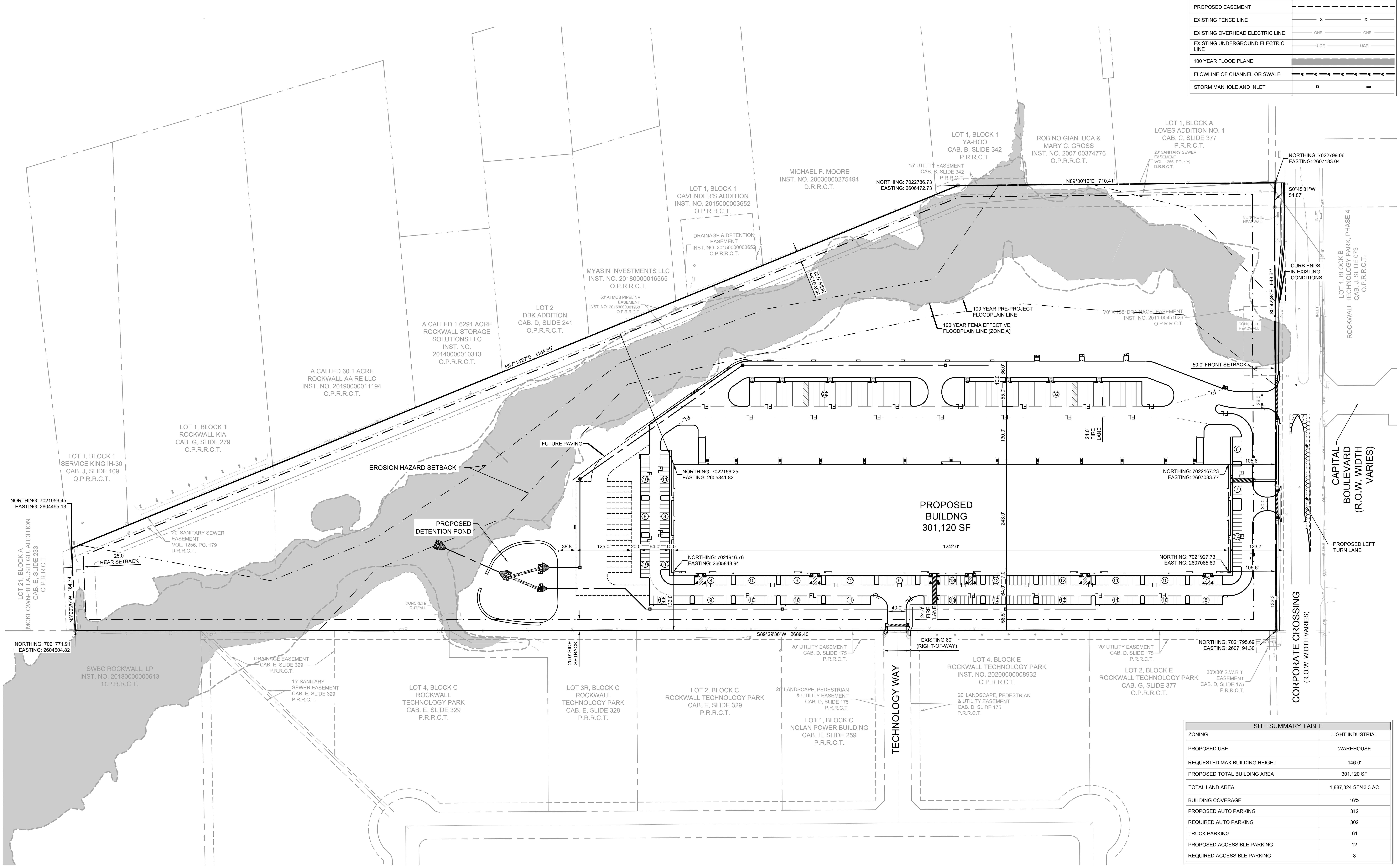
DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


NORTH
GRAPHIC SCALE IN FEET
0 50 100 200
LOT 1, BLOCK 1 SERVICE KING IH-30 CAB. J, SLIDE 109 O.P.R.R.C.T.
LOT 1, BLOCK 1 ROCKWALL KIA CAB. G, SLIDE 279 O.P.R.R.C.T.
A CALLED 60.1 ACRE ROCKWALL AA RE LLC INST. NO. 20190000011194 O.P.R.R.C.T.
A CALLED 1.6291 ACRE ROCKWALL STORAGE SOLUTIONS LLC INST. NO. 20140000010313 O.P.R.R.C.T.
LOT 2 DBK ADDITION CAB. D, SLIDE 241 O.P.R.R.C.T.
MYASIN INVESTMENTS LLC INST. NO. 20180000016565 O.P.R.R.C.T.
50' ATMOS PIPELINE EASEMENT INST. NO. 20150000001950 O.P.R.R.C.T.
LOT 1, BLOCK 1 CAVENDER'S ADDITION INST. NO. 2015000003652 O.P.R.R.C.T.
DRAINAGE & DETENTION EASEMENT INST. NO. 20150000003652 O.P.R.R.C.T.
MICHAEL F. MOORE INST. NO. 20030000275494 D.R.R.C.T.
LOT 1, BLOCK 1 YA-HOO CAB. B, SLIDE 342 P.R.R.C.T.
15' UTILITY EASEMENT CAB. B, SLIDE 342 P.R.R.C.T.
ROBINO GIANLUCA & MARY C. GROSS INST. NO. 2007-00374776 O.P.R.R.C.T.
LOT 1, BLOCK A LOVES ADDITION NO. 1 CAB. C, SLIDE 377 P.R.R.C.T.
20' SANITARY SEWER EASEMENT VOL. 1256, PG. 179 D.R.R.C.T.
NORTHING: 7022786.73 EASTING: 2606472.73
N89°00'12"E 710.41'
NORTHING: 7022799.06 EASTING: 2607183.04
S0°45'31"W 54.87'
CONCRETE HEADWALL
CURB ENDS IN EXISTING CONDITIONS
S0°42'46"E 948.61'
LOT 1, BLOCK B ROCKWALL TECHNOLOGY PARK, PHASE 4 CAB. J, SLIDE 073 O.P.R.R.C.T.
INLET
OHE
25.0' SIDE SETBACK
100 YEAR PRE-PROJECT FLOODPLAIN LINE
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
70' X 155' DRAINAGE EASEMENT INST. NO. 2011-00451626 O.P.R.R.C.T.
50.0' FRONT SETBACK
N67°13'27"E 2144.85'
317.1'
FUTURE PAVING
EROSION HAZARD SETBACK
NORTHING: 7021956.45 EASTING: 2604495.13
LOT 21, BLOCK A MCKEOWN-BELAUSTEGUI ADDITION CAB. E, SLIDE 233 O.P.R.R.C.T.
20' SANITARY SEWER EASEMENT VOL. 1256, PG. 179 D.R.R.C.T.
25.0' REAR SETBACK
N3°00'29"W 184.74'
PROPOSED DETENTION POND
CONCRETE OUTFALL
NORTHING: 7021771.91 EASTING: 2604504.82
38.8'
125.0'
20.0'
64.0'
10.0'
36.0'
55.0'
130.0'
24.0' FIRE LANE
FL
29
32
NORTHING: 7022156.25 EASTING: 2605841.82
NORTHING: 7022167.23 EASTING: 2607083.77
PROPOSED BUILDNG 301,120 SF
243.0'
1242.0'
105.8'
123.7'
106.6'
30.0'
NORTHING: 7021916.76 EASTING: 2605843.94
NORTHING: 7021927.73 EASTING: 2607085.89
7.0'
64.0'
58.5'
133.0'
133.3'
40.0'
24.0' FIRE LANE
S89°29'36"W 2689.40'
EXISTING 60' (RIGHT-OF-WAY)
CAPITAL BOULEVARD (R.O.W. WIDTH VARIES)
PROPOSED LEFT TURN LANE
CORPORATE CROSSING (R.O.W. WIDTH VARIES)
NORTHING: 7021795.69 EASTING: 2607194.30
TECHNOLOGY WAY
25.0' SIDE SETBACK
SWBC ROCKWALL, LP INST. NO. 20180000000613 O.P.R.R.C.T.
DRAINAGE EASEMENT CAB. E, SLIDE 329 P.R.R.C.T.
15' SANITARY SEWER EASEMENT CAB. E, SLIDE 329 P.R.R.C.T.
LOT 4, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 3R, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 2, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
20' LANDSCAPE, PEDESTRIAN & UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 1, BLOCK C NOLAN POWER BUILDING CAB. H, SLIDE 259 P.R.R.C.T.
LOT 4, BLOCK E ROCKWALL TECHNOLOGY PARK INST. NO. 20200000008932 O.P.R.R.C.T.
LOT 2, BLOCK E ROCKWALL TECHNOLOGY PARK CAB. G, SLIDE 377 O.P.R.R.C.T.
30'X30' S.W.B.T. EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.

LEGEND	
PROPERTY LINE	——— — — ———
PROPOSED FIRE LANE	—— FL —— FL ——
BUILDING SETBACK	— · — · — · —
EXISTING EASEMENT	- - - - - - -
PROPOSED EASEMENT	— — — — — —
EXISTING FENCE LINE	—— X —— X ——
EXISTING OVERHEAD ELECTRIC LINE	—— OHE —— OHE ——
EXISTING UNDERGROUND ELECTRIC LINE	—— UGE —— UGE ——
100 YEAR FLOOD PLANE	▨
FLOWLINE OF CHANNEL OR SWALE	—< —< —< —<
STORM MANHOLE AND INLET	▫ ▭

SITE SUMMARY TABLE	
ZONING	LIGHT INDUSTRIAL
PROPOSED USE	WAREHOUSE
REQUESTED MAX BUILDING HEIGHT	146.0'
PROPOSED TOTAL BUILDING AREA	301,120 SF
TOTAL LAND AREA	1,887,324 SF/43.3 AC
BUILDING COVERAGE	16%
PROPOSED AUTO PARKING	312
REQUIRED AUTO PARKING	302
TRUCK PARKING	61
PROPOSED ACCESSIBLE PARKING	12
REQUIRED ACCESSIBLE PARKING	8

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AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

OVERALL DIMENSION CONTROL

SHEET NUMBER
C-102

CITY FILE NO. SP2023-006

IMAGES DSA :
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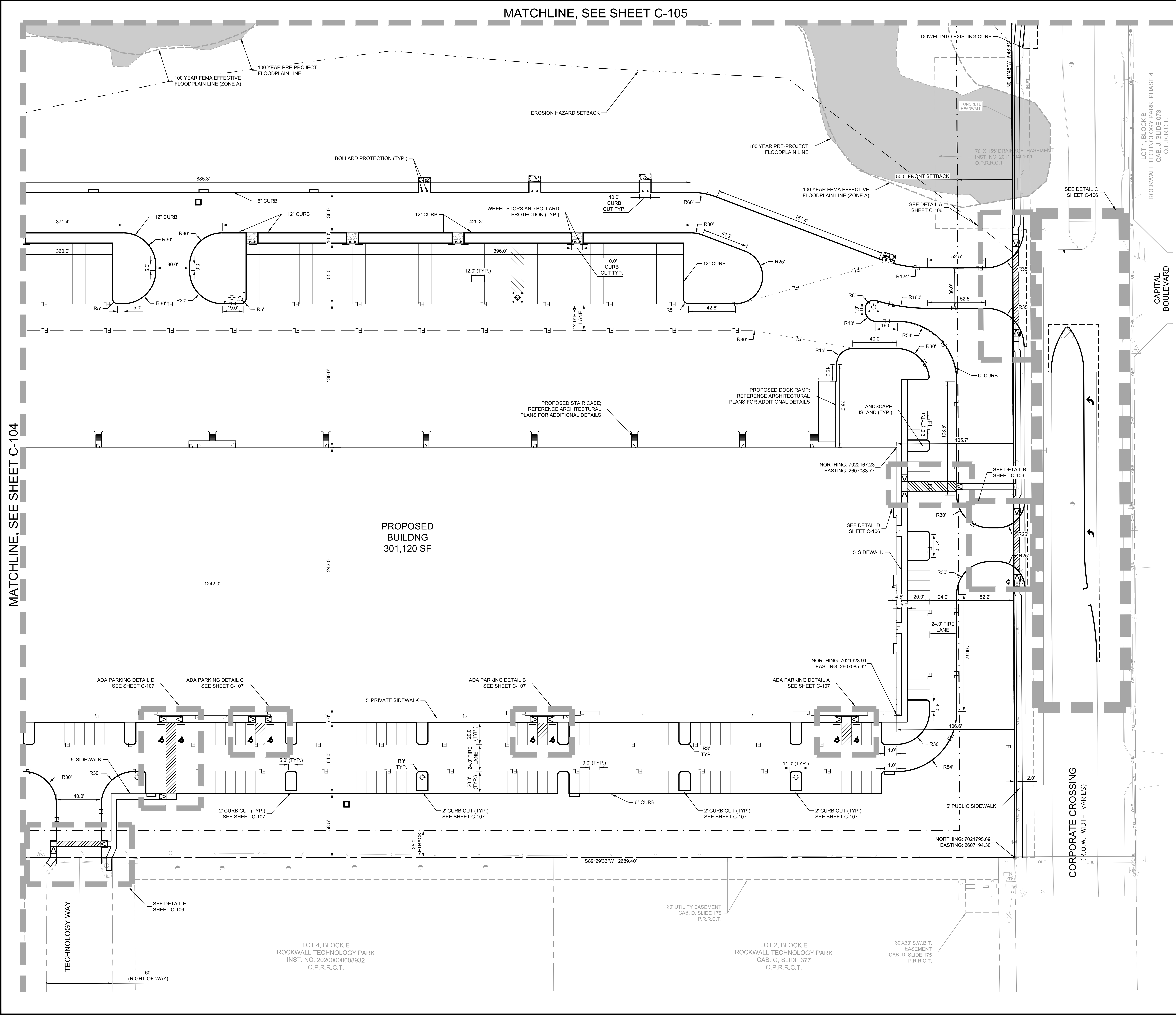
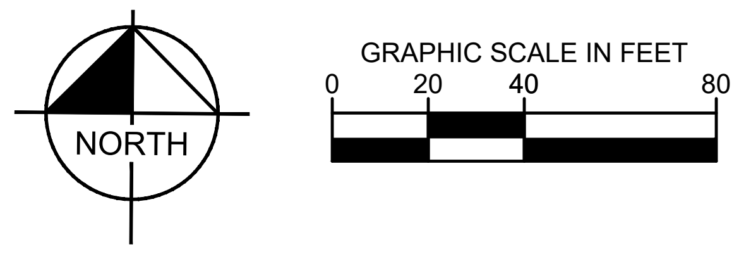
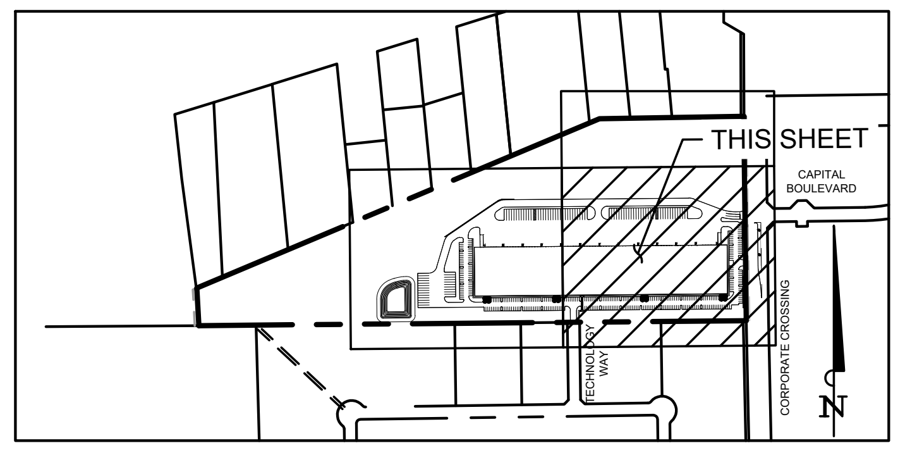

MATCHLINE, SEE SHEET C-105
MATCHLINE, SEE SHEET C-104
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
100 YEAR PRE-PROJECT FLOODPLAIN LINE
EROSION HAZARD SETBACK
DOWEL INTO EXISTING CURB
N0°41'48"W 948.67'
CONCRETE HEADWALL
70' X 155' DRAINAGE EASEMENT INST. NO. 20110000451626 O.P.R.R.C.T.
LOT 1, BLOCK B ROCKWALL TECHNOLOGY PARK, PHASE 4 CAB. J, SLIDE 073 O.P.R.R.C.T.
50.0' FRONT SETBACK
BOLLARD PROTECTION (TYP.)
885.3'
6" CURB
10.0' CURB CUT TYP.
R66'
157.4'
WHEEL STOPS AND BOLLARD PROTECTION (TYP.)
12" CURB
425.3'
371.4'
360.0'
396.0'
R30'
41.2'
R25'
12.0' (TYP.)
10.0' CURB CUT TYP.
30.0'
5.0'
9.0'
19.0'
R5'
42.6'
24.0' FIRE LANE
55.0'
36.0'
10.0'
130.0'
R124'
52.5'
R35'
R8'
R160'
1.9'
R10'
19.5'
R54'
40.0'
R15'
15.0'
6" CURB
SEE DETAIL A SHEET C-106
SEE DETAIL C SHEET C-106
CAPITAL BOULEVARD
PROPOSED STAIR CASE; REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS
PROPOSED DOCK RAMP; REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS
75.0'
LANDSCAPE ISLAND (TYP.)
9.0' (TYP.)
103.5'
105.7'
NORTHING: 7022167.23 EASTING: 2607083.77
SEE DETAIL B SHEET C-106
PROPOSED BUILDNG 301,120 SF
243.0'
1242.0'
SEE DETAIL D SHEET C-106
5' SIDEWALK
21.0'
R25'
4.5'
20.0'
24.0'
52.2'
5.0'
24.0' FIRE LANE
106.5'
NORTHING: 7021923.91 EASTING: 2607085.92
ADA PARKING DETAIL D SEE SHEET C-107
ADA PARKING DETAIL C SEE SHEET C-107
ADA PARKING DETAIL B SEE SHEET C-107
ADA PARKING DETAIL A SEE SHEET C-107
5' PRIVATE SIDEWALK
7.0'
8.0'
106.6'
11.0'
R3' TYP.
20.0' (TYP.)
24.0' FIRE LANE
64.0'
5.0' (TYP.)
9.0' (TYP.)
11.0' (TYP.)
R54'
2.0'
5' SIDEWALK
40.0'
2' CURB CUT (TYP.) SEE SHEET C-107
5' PUBLIC SIDEWALK
58.5'
25.0' SETBACK
NORTHING: 7021795.69 EASTING: 2607194.30
S89°29'36"W 2689.40'
CORPORATE CROSSING (R.O.W. WIDTH VARIES)
SEE DETAIL E SHEET C-106
TECHNOLOGY WAY
60' (RIGHT-OF-WAY)
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 4, BLOCK E ROCKWALL TECHNOLOGY PARK INST. NO. 20200000008932 O.P.R.R.C.T.
LOT 2, BLOCK E ROCKWALL TECHNOLOGY PARK CAB. G, SLIDE 377 O.P.R.R.C.T.
30'X30' S.W.B.T. EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
OHE


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND	
PROPERTY LINE	━━ ━ ━ ━━
PROPOSED FIRE LANE	—— FL —— FL ——
BUILDING SETBACK	—— · —— · ——
EXISTING EASEMENT	- - - - - -
PROPOSED EASEMENT	— — — — — —
EXISTING FENCE LINE	—— X —— X ——
EXISTING OVERHEAD ELECTRIC LINE	—— OHE —— OHE ——
EXISTING UNDERGROUND ELECTRIC LINE	—— UGE —— UGE ——
100 YEAR FLOOD PLANE	▨
FLOWLINE OF CHANNEL OR SWALE	—< —< —< —<
STORM MANHOLE AND INLET	□ ▭
PROPOSED SAWCUT	— — — — —

SITE SUMMARY TABLE	
ZONING	LIGHT INDUSTRIAL
PROPOSED USE	WAREHOUSE
REQUESTED MAX BUILDING HEIGHT	146.0'
PROPOSED TOTAL BUILDING AREA	301,120 SF
TOTAL LAND AREA	1,887,324 SF/43.3 AC
BUILDING COVERAGE	16%
PROPOSED AUTO PARKING	312
REQUIRED AUTO PARKING	297
TRUCK PARKING	61
PROPOSED ACCESSIBLE PARKING	12
REQUIRED ACCESSIBLE PARKING	8

NOTE

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"RECORD DRAWING"
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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

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No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME 138132
05/11/2023
Dylan Adame

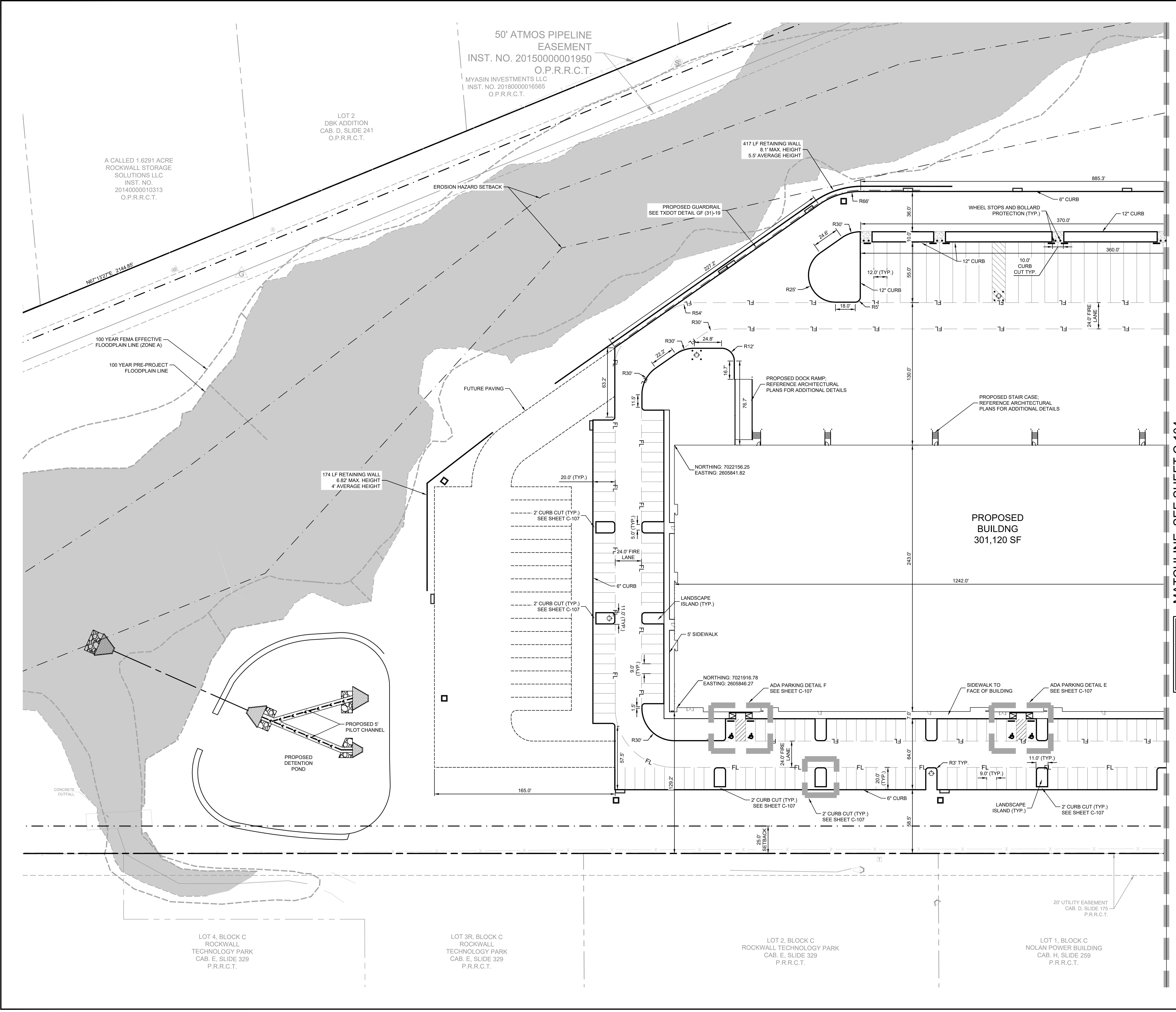
KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

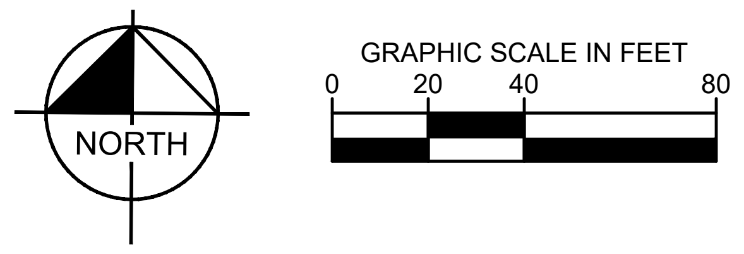
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

DIMENSION CONTROL (1 OF 3)

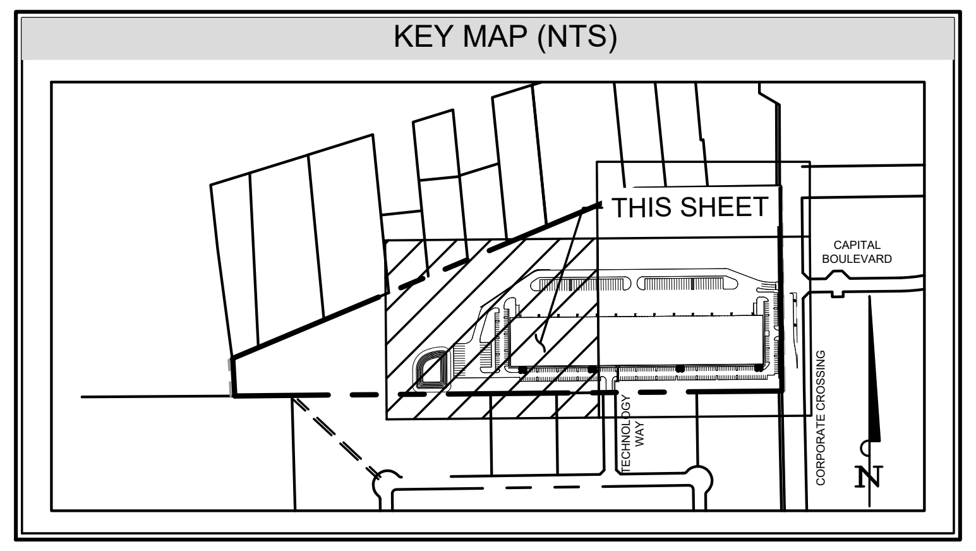
SHEET NUMBER
C-103

CITY FILE NO. SP2023-006


50' ATMOS PIPELINE EASEMENT INST. NO. 20150000001950 O.P.R.R.C.T.
MYASIN INVESTMENTS LLC INST. NO. 20180000016565 O.P.R.R.C.T.
LOT 2 DBK ADDITION CAB. D, SLIDE 241 O.P.R.R.C.T.
A CALLED 1.6291 ACRE ROCKWALL STORAGE SOLUTIONS LLC INST. NO. 20140000010313 O.P.R.R.C.T.
N67°13'27"E 2144.85'
417 LF RETAINING WALL 8.1' MAX. HEIGHT 5.5' AVERAGE HEIGHT
EROSION HAZARD SETBACK
PROPOSED GUARDRAIL SEE TXDOT DETAIL GF (31)-19
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
100 YEAR PRE-PROJECT FLOODPLAIN LINE
FUTURE PAVING
174 LF RETAINING WALL 6.82' MAX. HEIGHT 4' AVERAGE HEIGHT
885.3'
6" CURB
12" CURB
WHEEL STOPS AND BOLLARD PROTECTION (TYP.)
370.0'
360.0'
R66'
R30'
24.8'
36.0'
10.0'
12" CURB
10.0' CURB CUT TYP.
12.0' (TYP.)
55.0'
R25'
12" CURB
18.0'
R5'
R54'
R30'
24.0' FIRE LANE
227.2'
22.2'
R12'
16.7'
76.7'
63.2'
11.5'
PROPOSED DOCK RAMP; REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS
PROPOSED STAIR CASE; REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS
130.0'
NORTHING: 7022156.25 EASTING: 2605841.82
20.0' (TYP.)
2' CURB CUT (TYP.) SEE SHEET C-107
5.0' (TYP.)
24.0' FIRE LANE
6" CURB
PROPOSED BUILDNG 301,120 SF
243.0'
1242.0'
11.0' (TYP.)
LANDSCAPE ISLAND (TYP.)
5' SIDEWALK
9.0' (TYP.)
NORTHING: 7021916.78 EASTING: 2605846.27
ADA PARKING DETAIL F SEE SHEET C-107
SIDEWALK TO FACE OF BUILDING
ADA PARKING DETAIL E SEE SHEET C-107
PROPOSED 5' PILOT CHANNEL
PROPOSED DETENTION POND
CONCRETE OUTFALL
R30'
57.5'
7.0'
24.0' FIRE LANE
64.0'
R3' TYP.
9.0' (TYP.)
11.0' (TYP.)
20.0' (TYP.)
165.0'
129.2'
2' CURB CUT (TYP.) SEE SHEET C-107
6" CURB
LANDSCAPE ISLAND (TYP.)
58.5'
25.0' SETBACK
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 4, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 3R, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 2, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 1, BLOCK C NOLAN POWER BUILDING CAB. H, SLIDE 259 P.R.R.C.T.
MATCHLINE, SEE SHEET C-104


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND	
PROPERTY LINE	━━ ━ ━ ━━
PROPOSED FIRE LANE	—— FL —— FL ——
BUILDING SETBACK	— · — · — · —
EXISTING EASEMENT	- - - - - - - -
PROPOSED EASEMENT	- - - - - - - -
EXISTING FENCE LINE	—— X —— X ——
EXISTING OVERHEAD ELECTRIC LINE	—— OHE —— OHE ——
EXISTING UNDERGROUND ELECTRIC LINE	—— UGE —— UGE ——
100 YEAR FLOOD PLANE	▨
FLOWLINE OF CHANNEL OR SWALE	—<—<—<—<—
STORM MANHOLE AND INLET	▫ ▭

SITE SUMMARY TABLE	
ZONING	LIGHT INDUSTRIAL
PROPOSED USE	WAREHOUSE
REQUESTED MAX BUILDING HEIGHT	146.0'
PROPOSED TOTAL BUILDING AREA	301,120 SF
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REQUIRED AUTO PARKING	297
TRUCK PARKING	61
PROPOSED ACCESSIBLE PARKING	12
REQUIRED ACCESSIBLE PARKING	8

NOTE

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SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME 138132
Dylan Adame
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

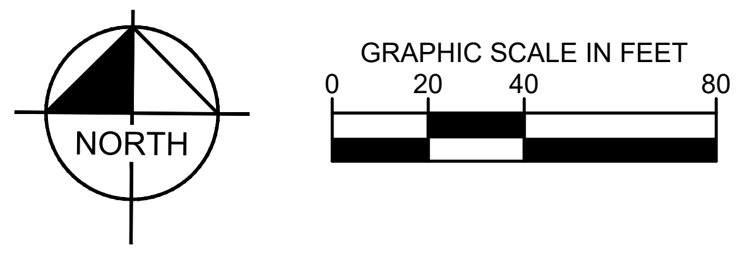
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

DIMENSION CONTROL (2 OF 3)

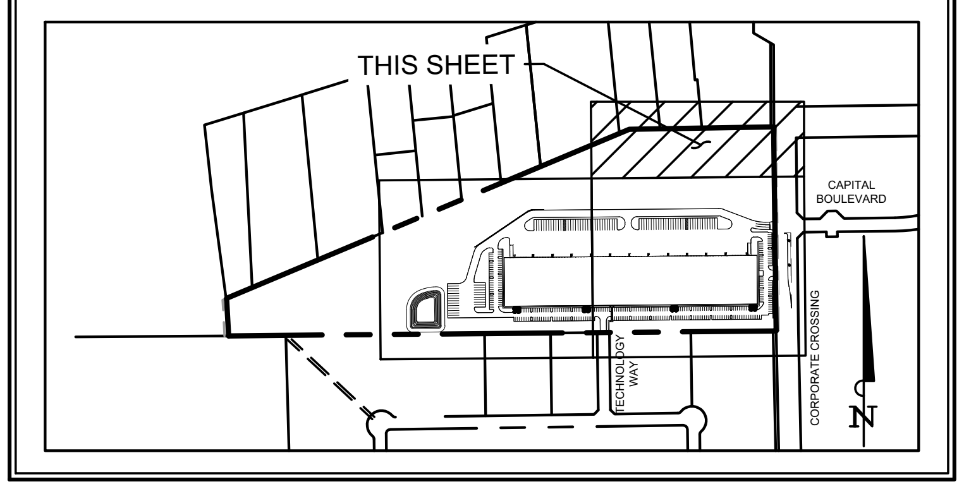
SHEET NUMBER
C-104

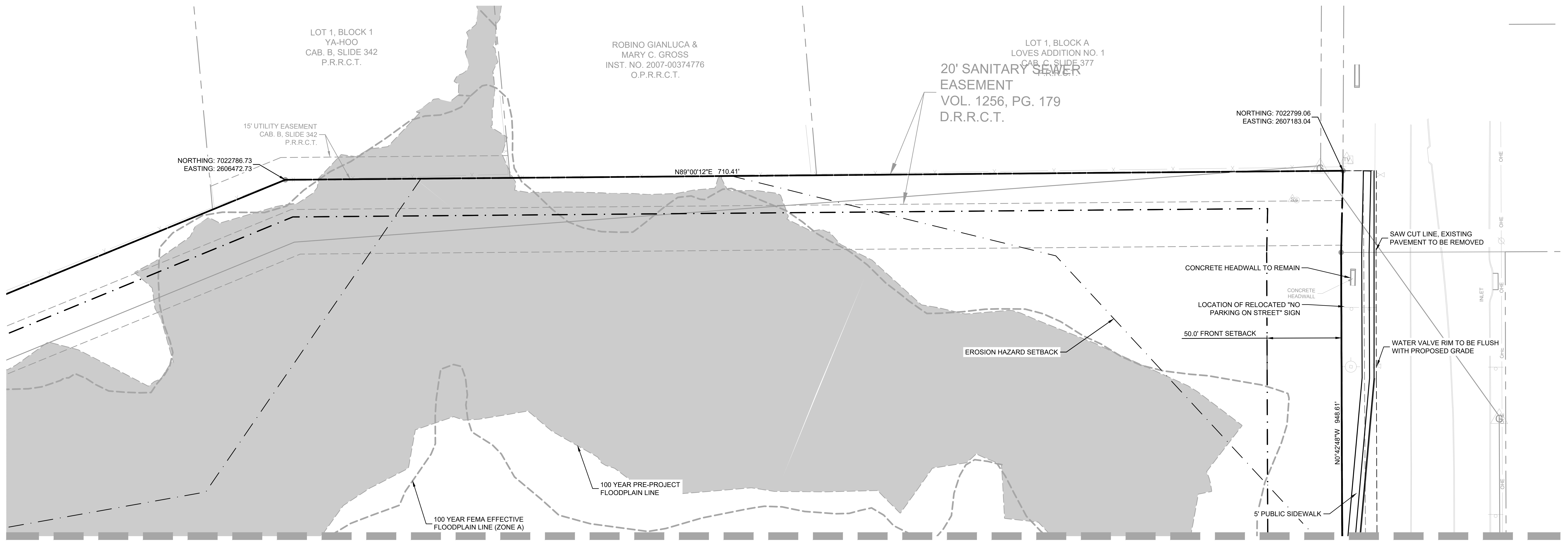
CITY FILE NO. SP2023-006

IMAGES	DSA :
XREFS	xTtlb : xBndy : xSite : xStrm : xPave : xSswr : xKeymap : xTtlb - LA : xWatr : zSections
LAST SAVED	1/19/2023 12:24 PM
PLOTTED BY	SHUROR, AARON 5/11/2023 3:02 PM
DWG PATH	K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME	C-DIMC.dwg


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N


LOT 1, BLOCK 1
YA-HOO
CAB. B, SLIDE 342
P.R.R.C.T.
ROBINO GIANLUCA &
MARY C. GROSS
INST. NO. 2007-00374776
O.P.R.R.C.T.
LOT 1, BLOCK A
LOVES ADDITION NO. 1
CAB. C, SLIDE 377
P.R.R.C.T.
20' SANITARY SEWER
EASEMENT
VOL. 1256, PG. 179
D.R.R.C.T.
15' UTILITY EASEMENT
CAB. B, SLIDE 342
P.R.R.C.T.
NORTHING: 7022786.73
EASTING: 2606472.73
N89°00'12"E 710.41'
NORTHING: 7022799.06
EASTING: 2607183.04
SAW CUT LINE, EXISTING PAVEMENT TO BE REMOVED
CONCRETE HEADWALL TO REMAIN
CONCRETE HEADWALL
LOCATION OF RELOCATED "NO PARKING ON STREET" SIGN
50.0' FRONT SETBACK
EROSION HAZARD SETBACK
WATER VALVE RIM TO BE FLUSH WITH PROPOSED GRADE
N0°42'48"W 948.61'
INLET
OHE
100 YEAR PRE-PROJECT FLOODPLAIN LINE
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
5' PUBLIC SIDEWALK

MATCHLINE, SEE SHEET C-103

LEGEND	
PROPERTY LINE	▬ ▬ ▬
PROPOSED FIRE LANE	— FL — FL —
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - - -
PROPOSED EASEMENT	- - - - -
EXISTING FENCE LINE	— X — X —
EXISTING OVERHEAD ELECTRIC LINE	— OHE — OHE —
EXISTING UNDERGROUND ELECTRIC LINE	— UGE — UGE —
100 YEAR FLOOD PLANE	▨
FLOWLINE OF CHANNEL OR SWALE	—< —< —<
STORM MANHOLE AND INLET	◻ ▭

SITE SUMMARY TABLE	
ZONING	LIGHT INDUSTRIAL
PROPOSED USE	WAREHOUSE
REQUESTED MAX BUILDING HEIGHT	146.0'
PROPOSED TOTAL BUILDING AREA	301,120 SF
TOTAL LAND AREA	1,887,324 SF/43.3 AC
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REQUIRED AUTO PARKING	297
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NOTE

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PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT 068213100	
DATE MAY 2023	
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS

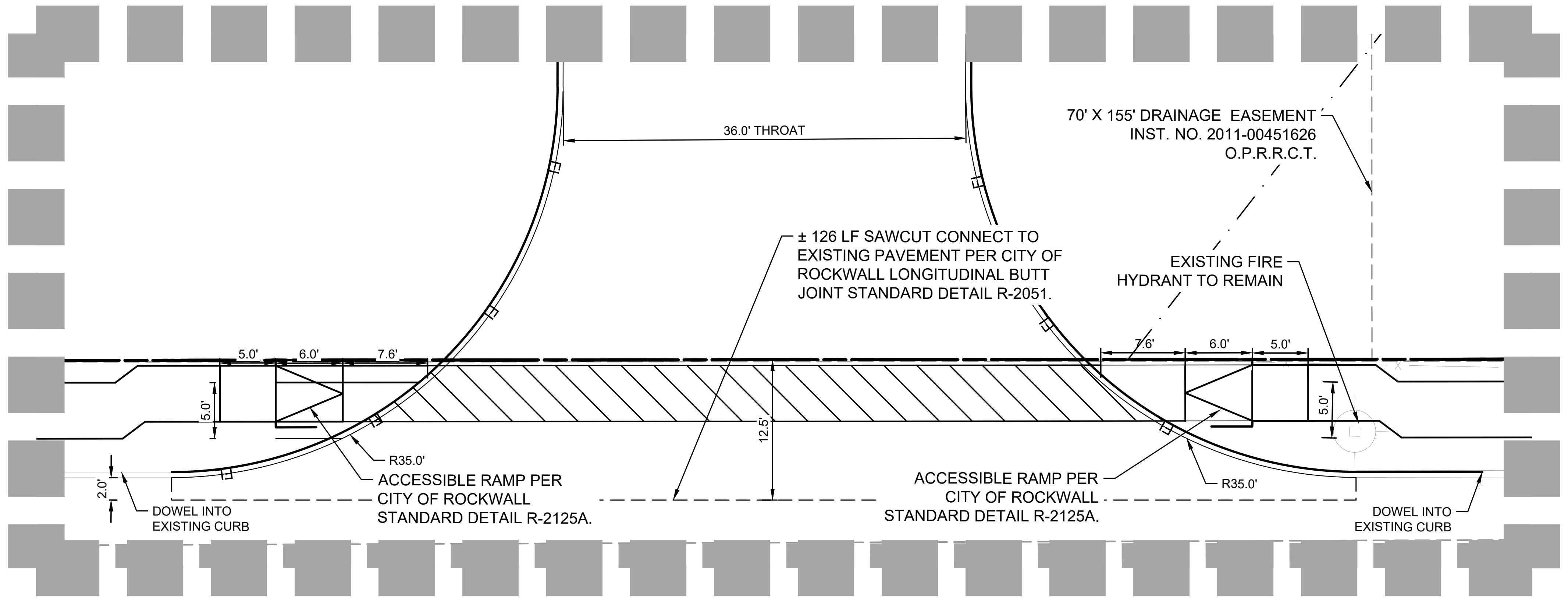
STREAM ROCKWALL

PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

DIMENSION CONTROL (3 OF 3)

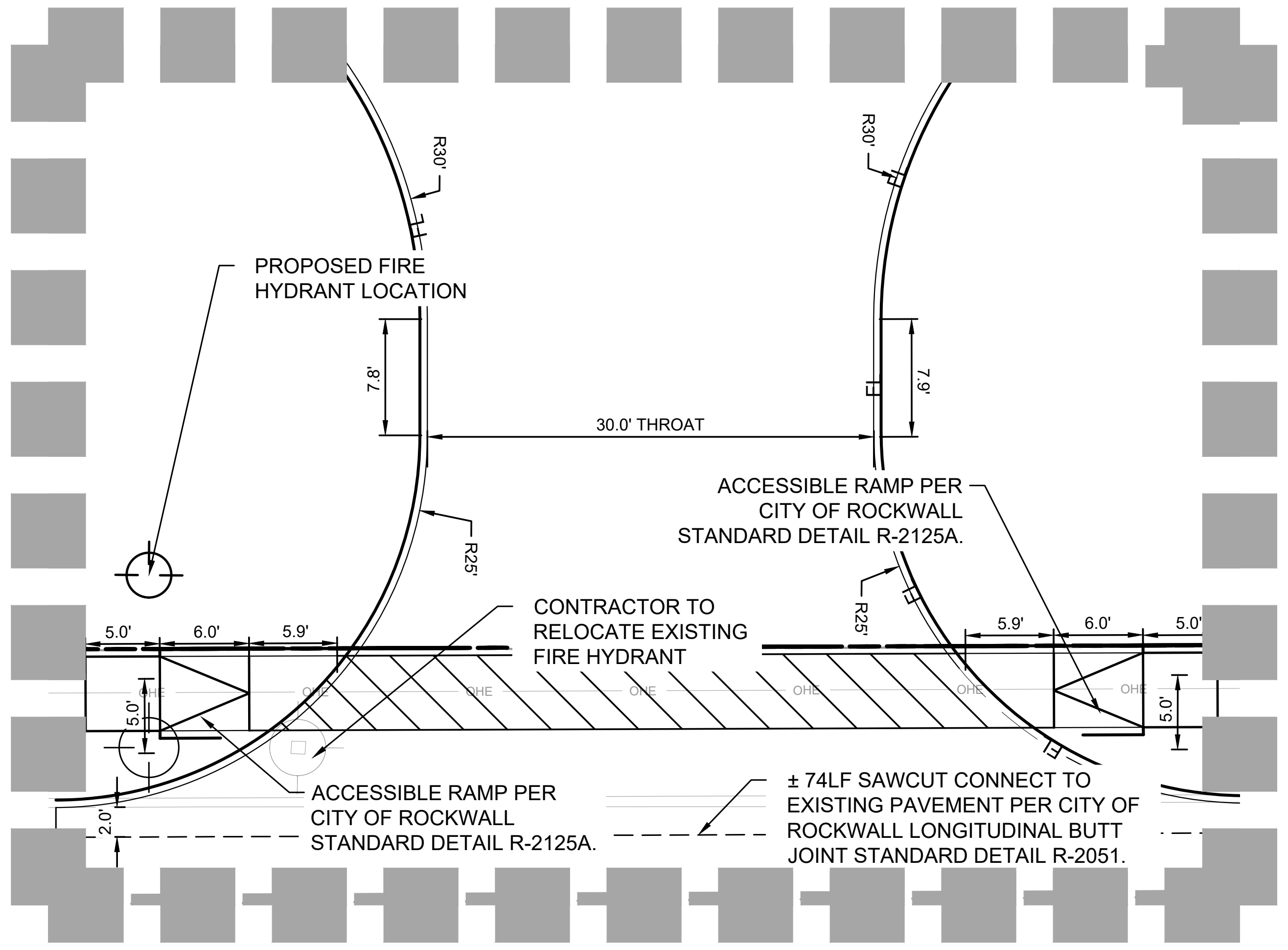
SHEET NUMBER
C-105

CITY FILE NO. SP2023-006


36.0' THROAT
70' X 155' DRAINAGE EASEMENT
INST. NO. 2011-00451626
O.P.R.R.C.T.
± 126 LF SAWCUT CONNECT TO
EXISTING PAVEMENT PER CITY OF
ROCKWALL LONGITUDINAL BUTT
JOINT STANDARD DETAIL R-2051.
EXISTING FIRE
HYDRANT TO REMAIN
5.0'
6.0'
7.6'
7.6'
6.0'
5.0'
5.0'
5.0'
12.5'
R35.0'
R35.0'
2.0'
ACCESSIBLE RAMP PER
CITY OF ROCKWALL
STANDARD DETAIL R-2125A.
ACCESSIBLE RAMP PER
CITY OF ROCKWALL
STANDARD DETAIL R-2125A.
DOWEL INTO
EXISTING CURB
DOWEL INTO
EXISTING CURB

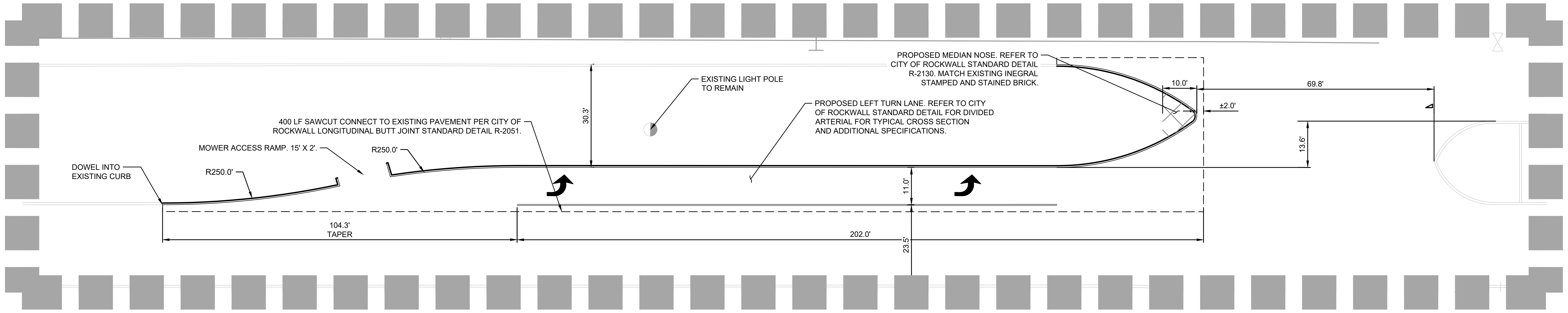
DETAIL A
SCALE 1" = 10'

NORTH


R30'
R30'
PROPOSED FIRE
HYDRANT LOCATION
7.8'
7.9'
30.0' THROAT
ACCESSIBLE RAMP PER
CITY OF ROCKWALL
STANDARD DETAIL R-2125A.
R25'
R25'
CONTRACTOR TO
RELOCATE EXISTING
FIRE HYDRANT
5.0'
6.0'
5.9'
5.9'
6.0'
5.0'
5.0'
5.0'
OHE
2.0'
ACCESSIBLE RAMP PER
CITY OF ROCKWALL
STANDARD DETAIL R-2125A.
± 74LF SAWCUT CONNECT TO
EXISTING PAVEMENT PER CITY OF
ROCKWALL LONGITUDINAL BUTT
JOINT STANDARD DETAIL R-2051.

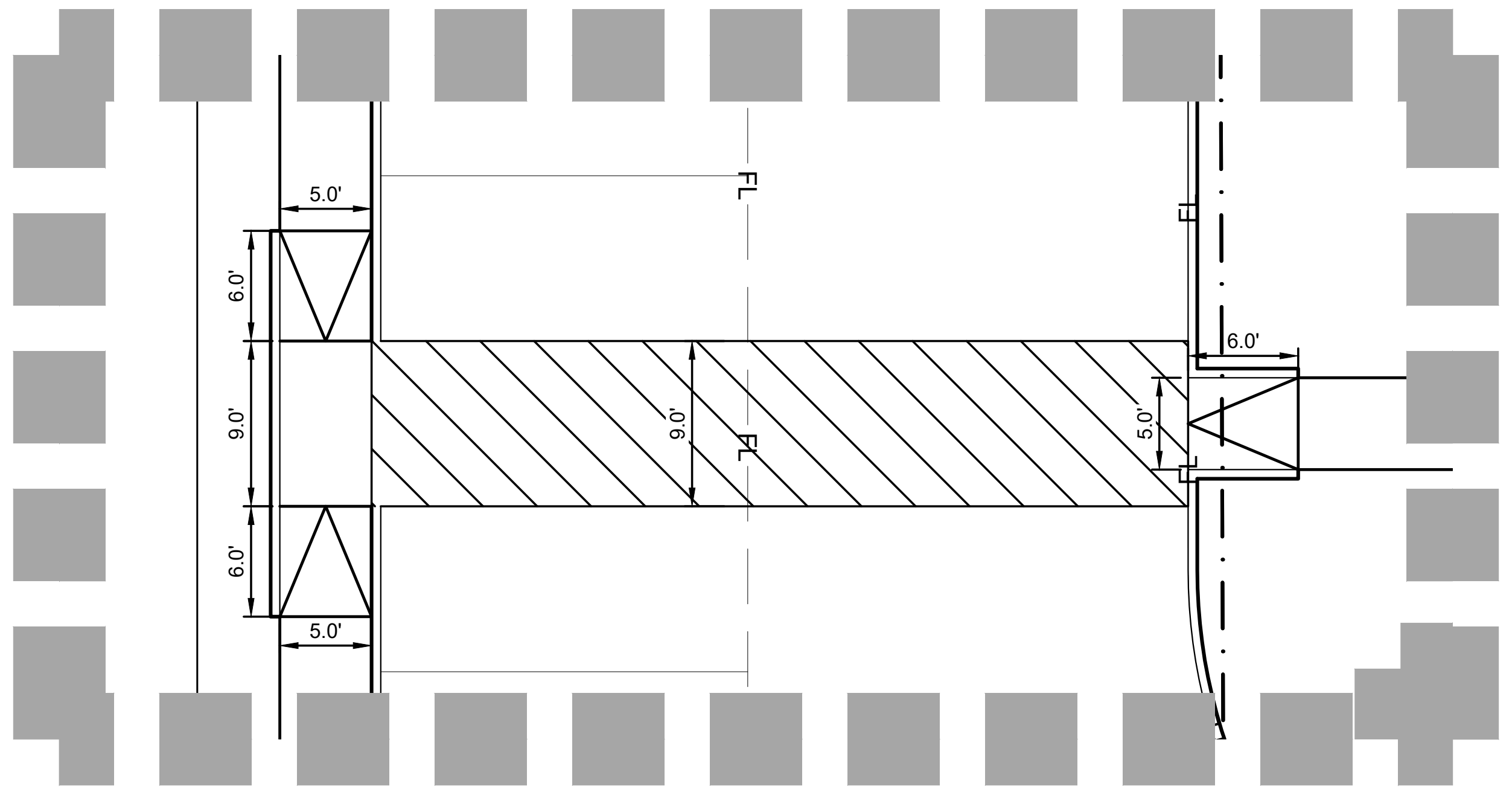
DETAIL B
SCALE 1" = 10'

NORTH


PROPOSED MEDIAN NOSE. REFER TO
CITY OF ROCKWALL STANDARD DETAIL
R-2130. MATCH EXISTING INEGRAL
STAMPED AND STAINED BRICK.
EXISTING LIGHT POLE
TO REMAIN
10.0'
69.8'
±2.0'
PROPOSED LEFT TURN LANE. REFER TO CITY
OF ROCKWALL STANDARD DETAIL FOR DIVIDED
ARTERIAL FOR TYPICAL CROSS SECTION
AND ADDITIONAL SPECIFICATIONS.
400 LF SAWCUT CONNECT TO EXISTING PAVEMENT PER CITY OF
ROCKWALL LONGITUDINAL BUTT JOINT STANDARD DETAIL R-2051.
30.3'
13.6'
MOWER ACCESS RAMP. 15' X 2'.
R250.0'
DOWEL INTO
EXISTING CURB
R250.0'
11.0'
104.3'
TAPER
202.0'
23.5'

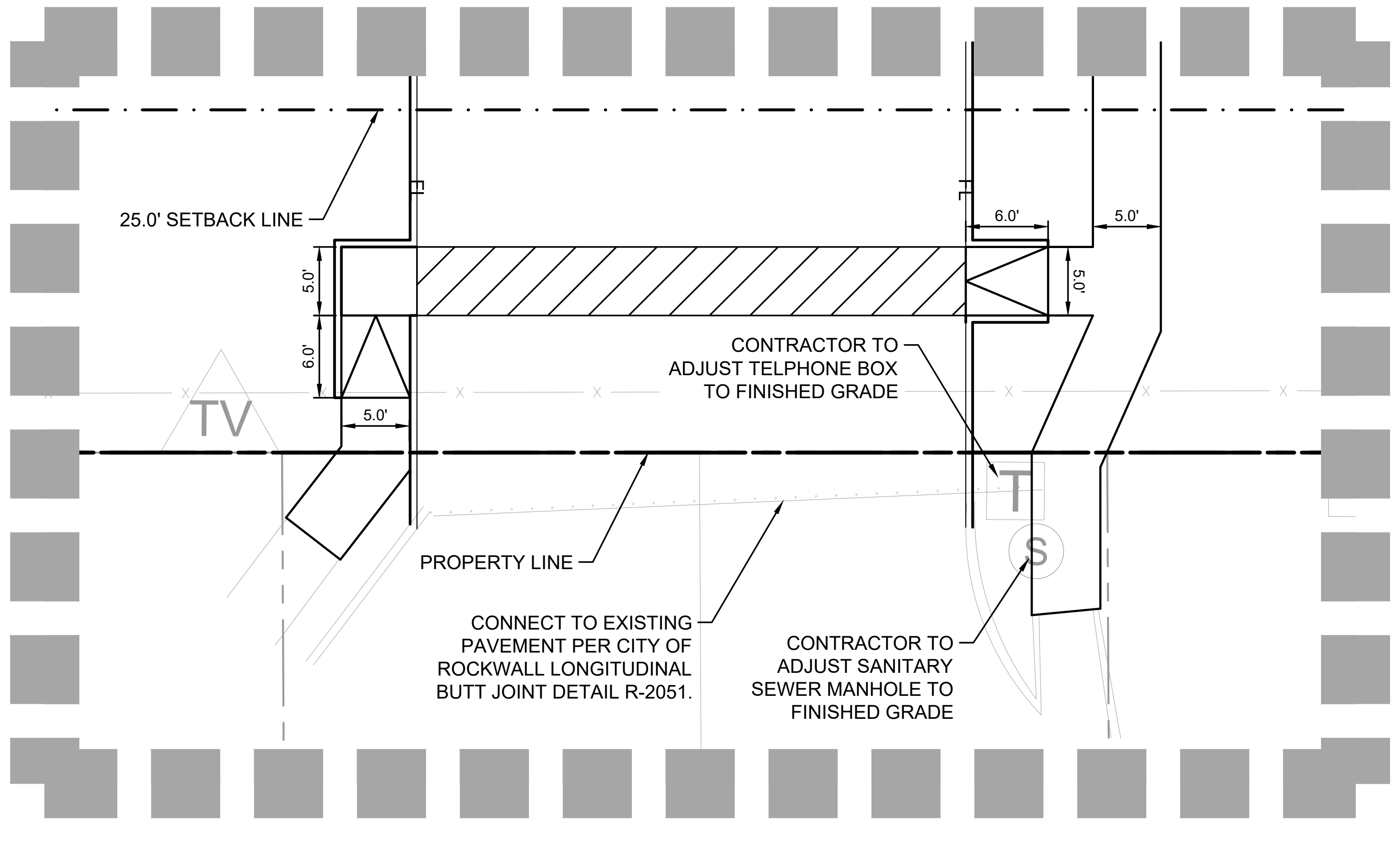
DETAIL C
SCALE 1" = 20'

NORTH


5.0'
6.0'
9.0'
6.0'
5.0'
FL
9.0'
FL
6.0'
5.0'

DETAIL D
SCALE 1" = 10'

NORTH


25.0' SETBACK LINE
6.0'
5.0'
5.0'
6.0'
5.0'
5.0'
TV
CONTRACTOR TO
ADJUST TELPHONE BOX
TO FINISHED GRADE
T
S
PROPERTY LINE
CONNECT TO EXISTING
PAVEMENT PER CITY OF
ROCKWALL LONGITUDINAL
BUTT JOINT DETAIL R-2051.
CONTRACTOR TO
ADJUST SANITARY
SEWER MANHOLE TO
FINISHED GRADE

DETAIL E
SCALE 1" = 10'

NORTH

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STATE OF TEXAS
DYLAN S. ADAME
138132
LICENSED
PROFESSIONAL ENGINEER
Dylan Adame
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL　TEXAS

DIMENSION CONTROL DETAILS (1 OF 2)

SHEET NUMBER
C-106

CITY FILE NO. SP2023-006

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IMAGES       DSA :
XREFS        xTtlb : xBndy : xSite : xStrm : xPave : xSswr : xKeymap : xTtlb - LA : xWatr : zSections
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PLOTTED BY   SHUROR, AARON 5/11/2023 3:02 PM
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DWG NAME     C-DIMC.dwg
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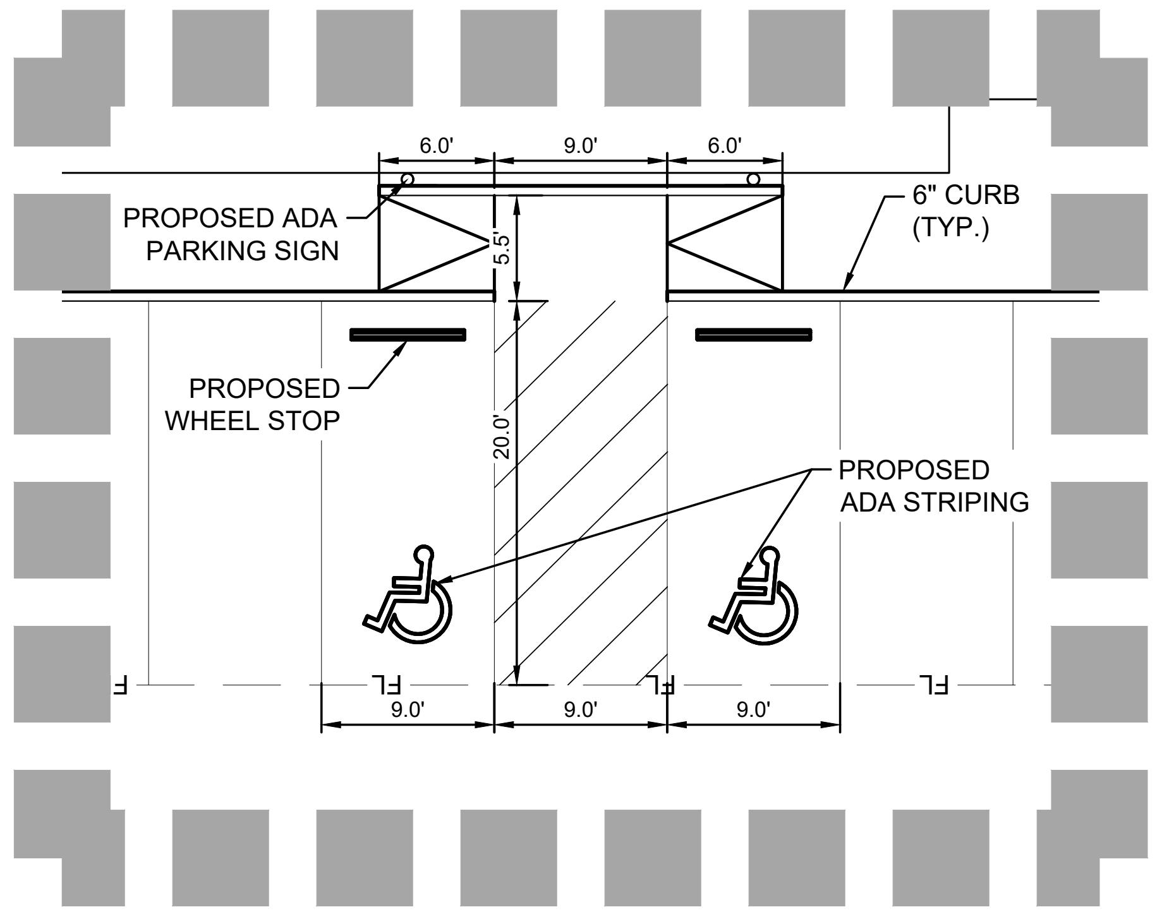
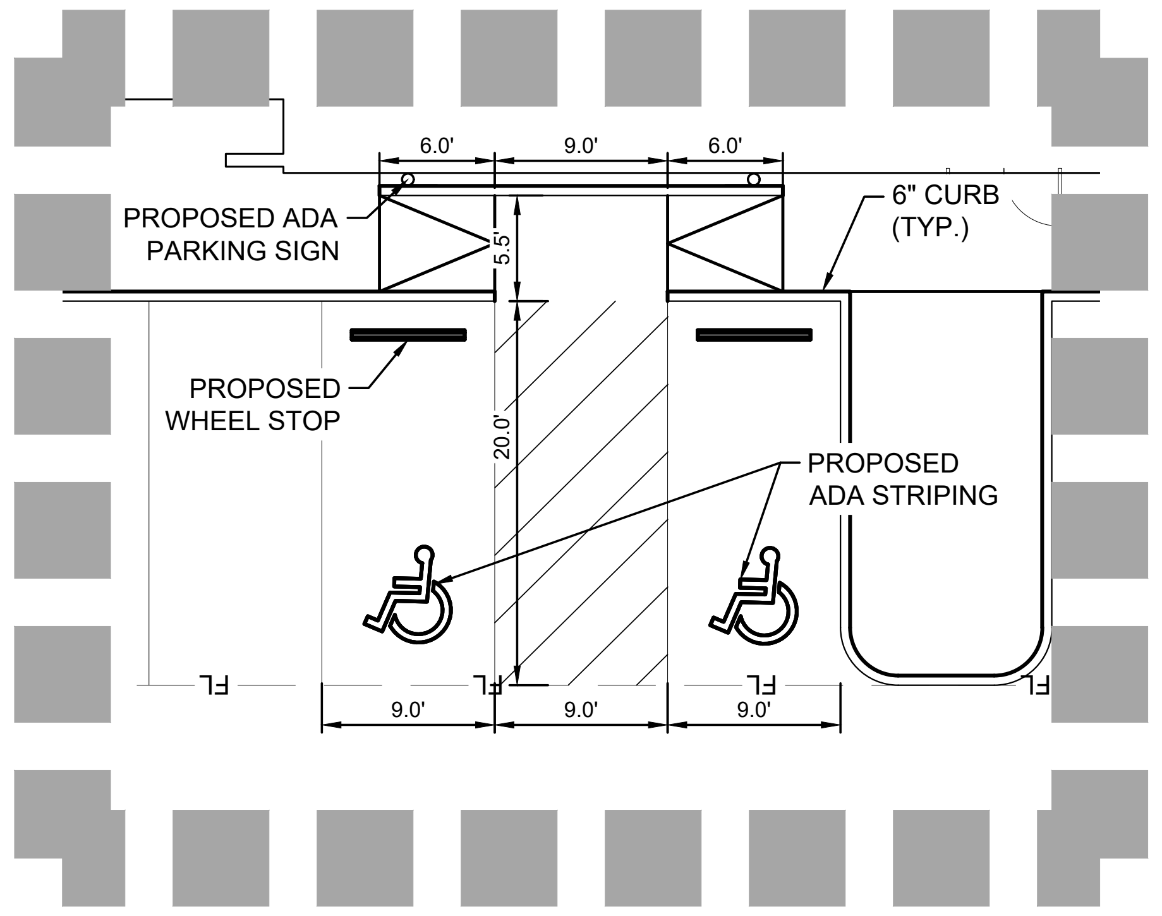

6.0'
9.0'
6.0'
PROPOSED ADA PARKING SIGN
6" CURB (TYP.)
5.5'
PROPOSED WHEEL STOP
20.0'
PROPOSED ADA STRIPING
FL
9.0'
9.0'
9.0'

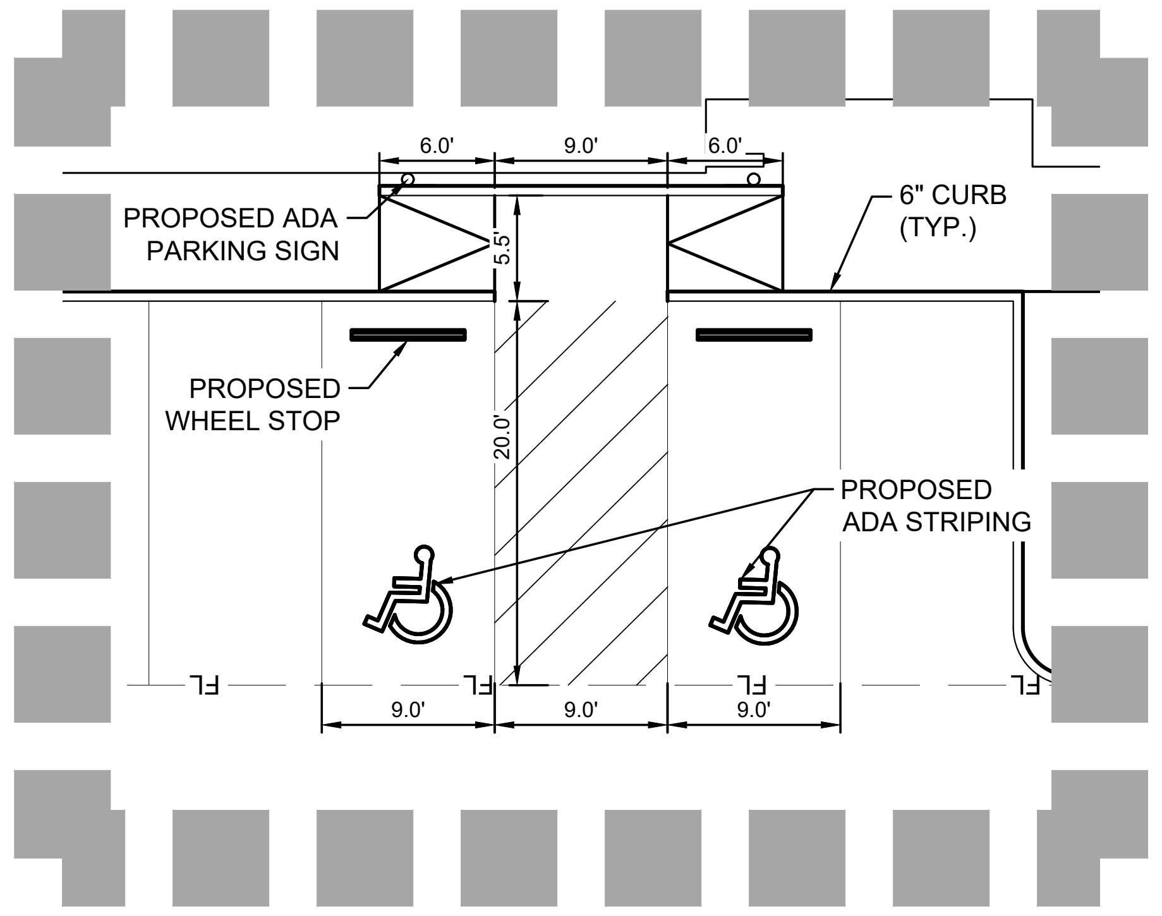
ADA PARKING DETAIL A
SCALE 1" = 10'

NORTH


6.0'
9.0'
6.0'
PROPOSED ADA PARKING SIGN
6" CURB (TYP.)
5.5'
PROPOSED WHEEL STOP
20.0'
PROPOSED ADA STRIPING
FL
9.0'
9.0'
9.0'

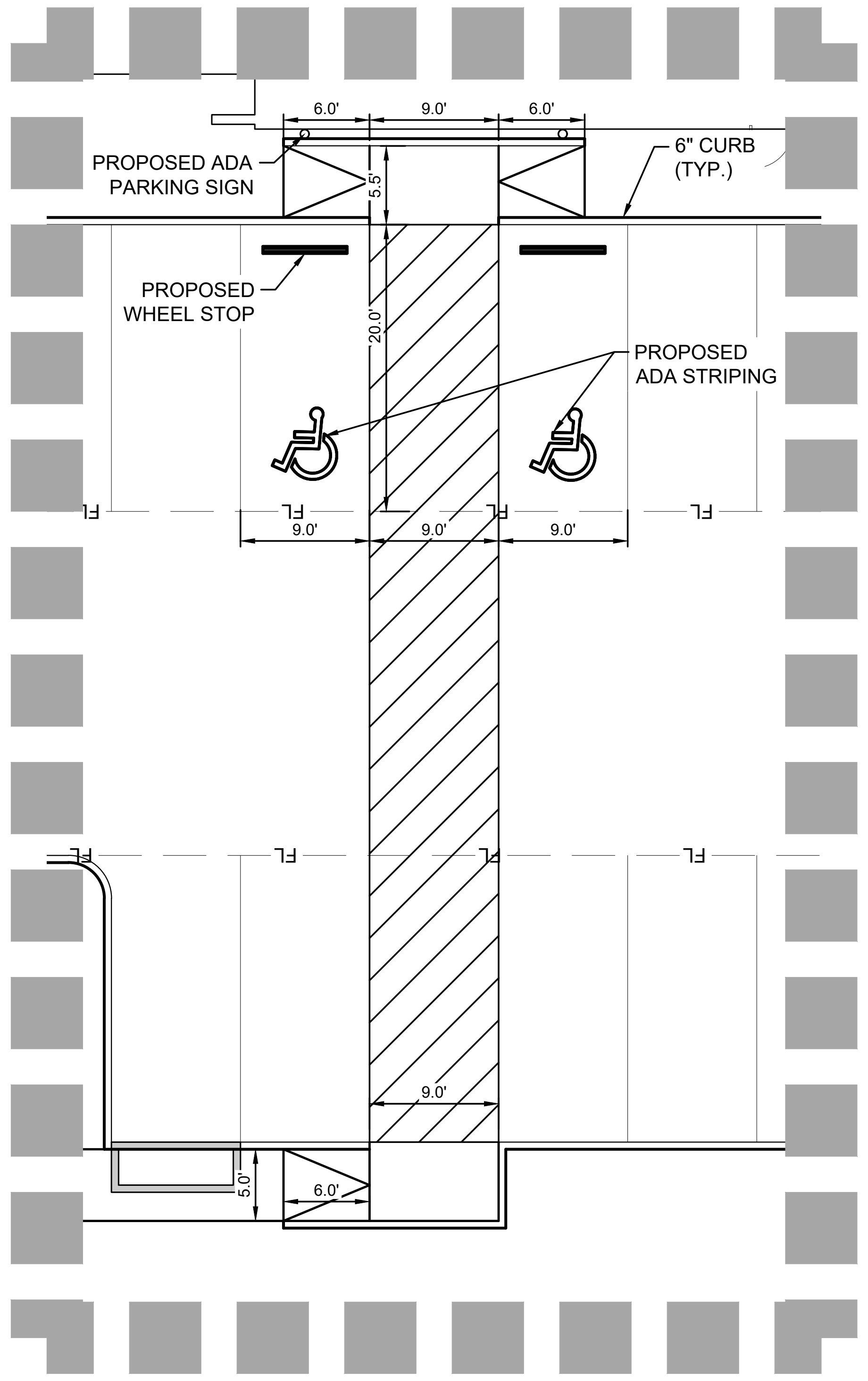
ADA PARKING DETAIL B
SCALE 1" = 10'

NORTH


6.0'
9.0'
6.0'
PROPOSED ADA PARKING SIGN
6" CURB (TYP.)
5.5'
PROPOSED WHEEL STOP
20.0'
PROPOSED ADA STRIPING
FL
9.0'
9.0'
9.0'

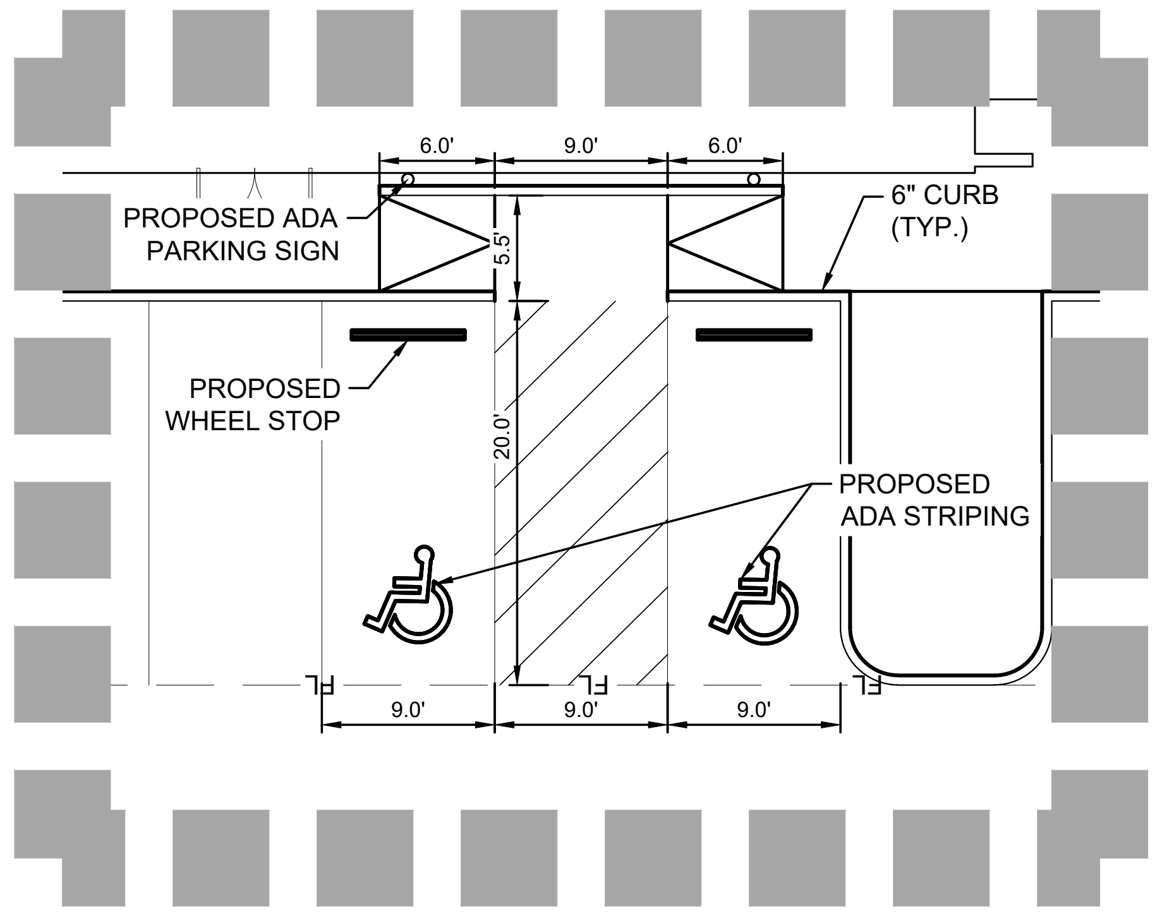
ADA PARKING DETAIL C
SCALE 1" = 10'

NORTH


6.0'
9.0'
6.0'
PROPOSED ADA PARKING SIGN
6" CURB (TYP.)
5.5'
PROPOSED WHEEL STOP
20.0'
PROPOSED ADA STRIPING
FL
9.0'
9.0'
9.0'
9.0'
6.0'
5.0'

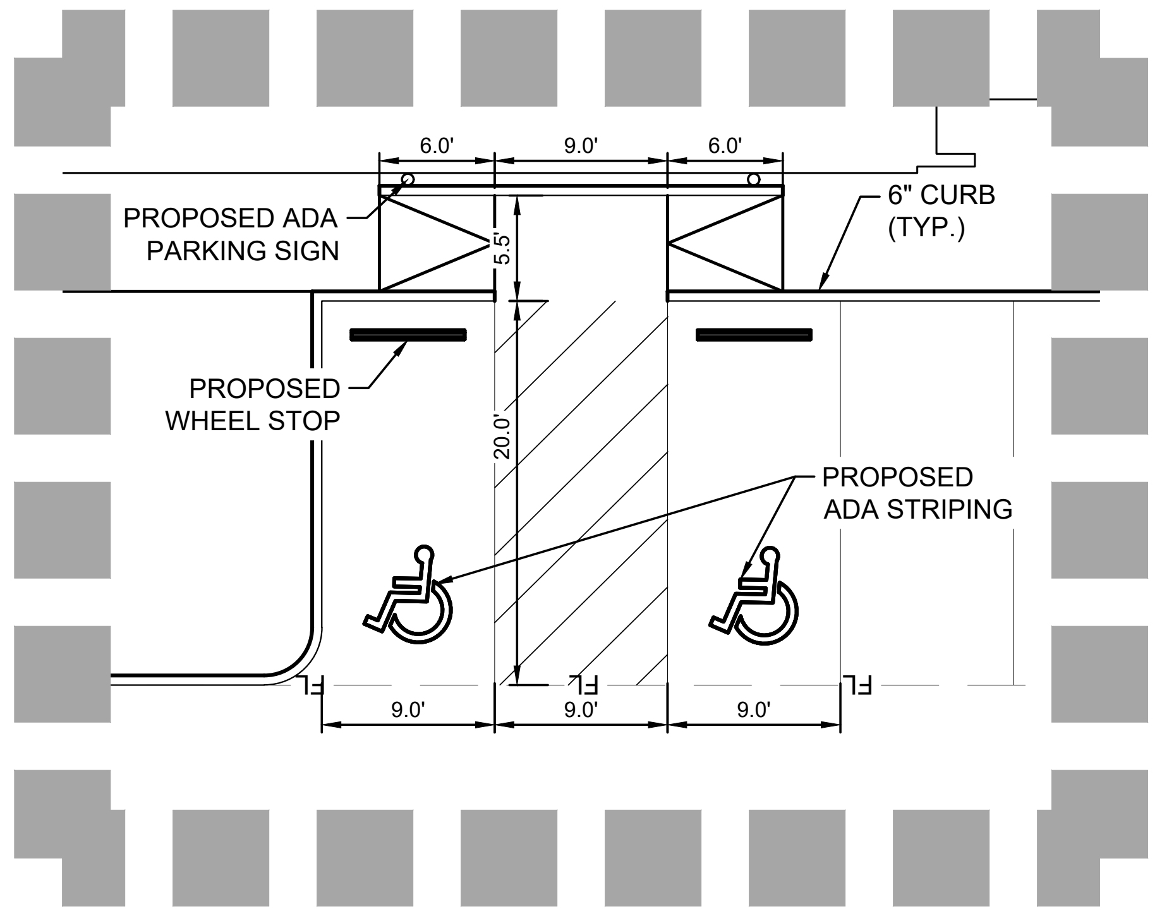
ADA PARKING DETAIL D
SCALE 1" = 10'

NORTH


6.0'
9.0'
6.0'
PROPOSED ADA PARKING SIGN
6" CURB (TYP.)
5.5'
PROPOSED WHEEL STOP
20.0'
PROPOSED ADA STRIPING
FL
9.0'
9.0'
9.0'

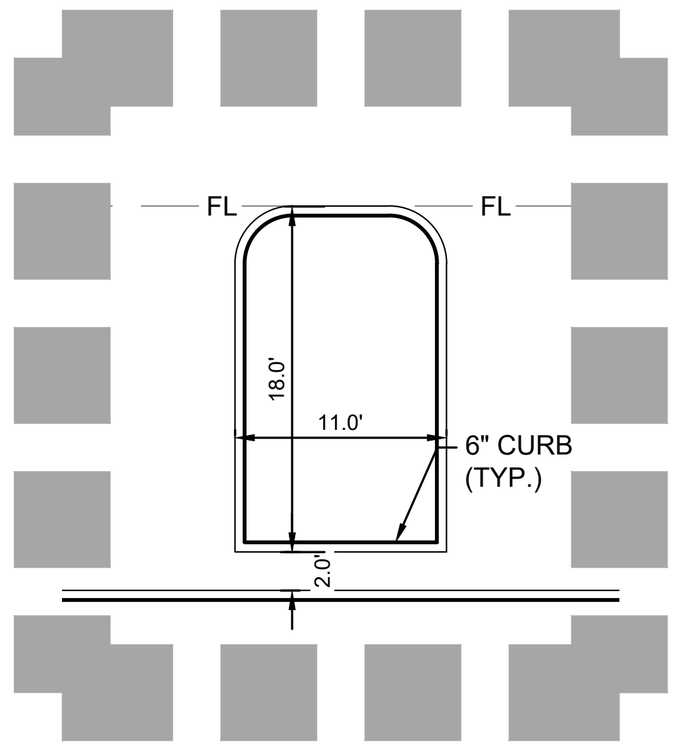
ADA PARKING DETAIL E
SCALE 1" = 10'

NORTH


6.0'
9.0'
6.0'
PROPOSED ADA PARKING SIGN
6" CURB (TYP.)
5.5'
PROPOSED WHEEL STOP
20.0'
PROPOSED ADA STRIPING
FL
9.0'
9.0'
9.0'

ADA PARKING DETAIL F
SCALE 1" = 10'

NORTH


FL
FL
18.0'
11.0'
6" CURB (TYP.)
2.0'

CURB CUT DETAIL
SCALE 1" = 10'

NORTH

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023

BY: DYLAN ADAME, P.E.

WARNING: EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS AND ABOVE GROUND FIELD SURVEY DATA, THEREFORE THERE MAY BE UTILITIES PRESENT THAT ARE NOT SHOWN ON THESE CONSTRUCTION PLANS. CONTRACTOR TO FIELD VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND USE CAUTION DURING CONSTRUCTION. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES.

811® Know what's **below.**
Call before you dig.

No.	REVISIONS	DATE

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

BLAINE D. MIKULIK
3486
03/08/2023

KHA PROJECT	068213100
DATE	MARCH 2023
SCALE	AS SHOWN
DESIGNED BY	AMP
DRAWN BY	MLF
CHECKED BY	BDM

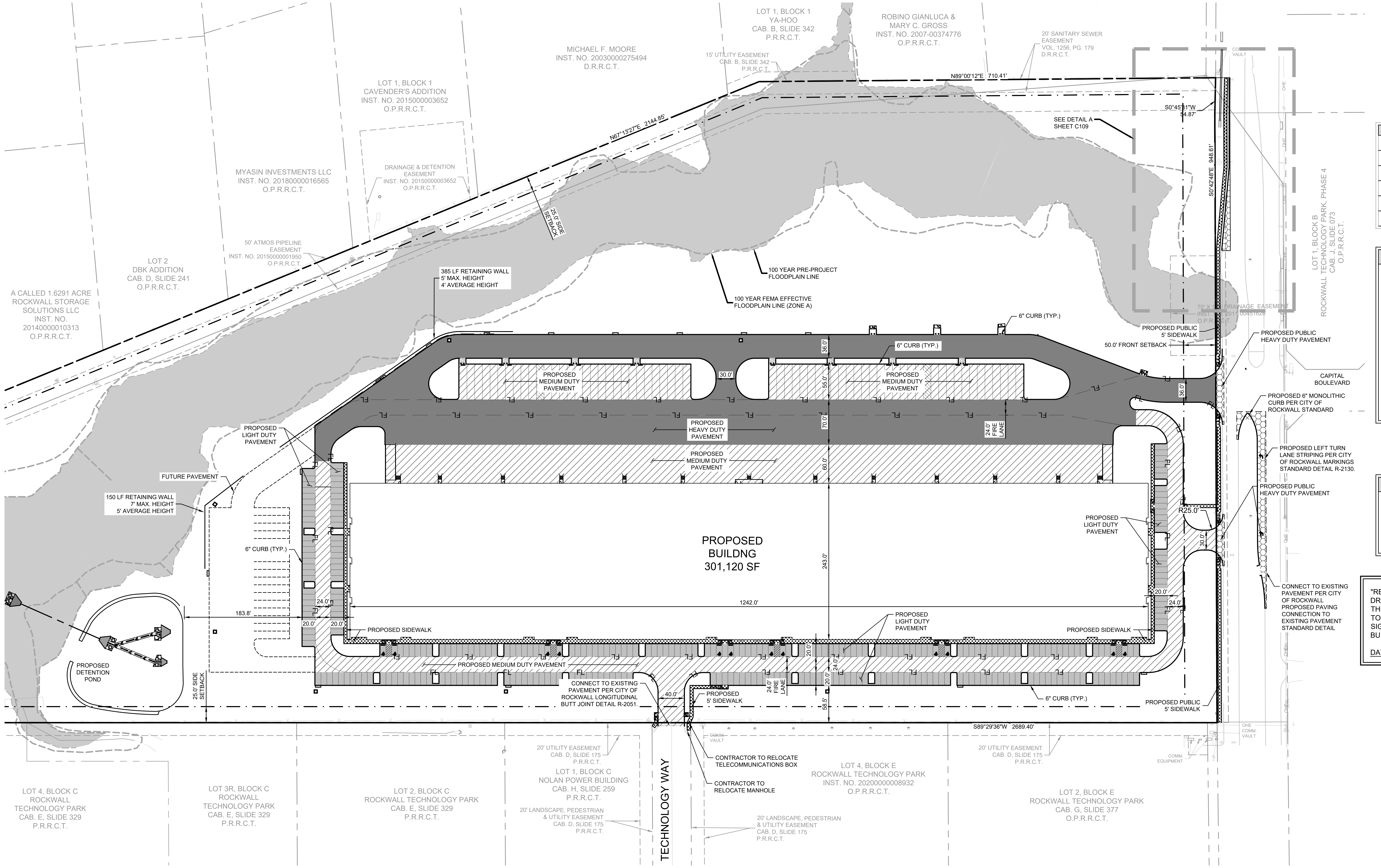
STREAM ROCKWALL

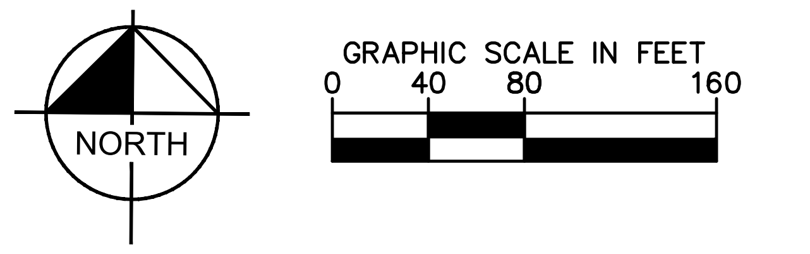
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL
TEXAS

DIMENSION CONTROL DETAILS (2 OF 2)

SHEET NUMBER
C-107

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xPave : xSswr : xKeymap : xTtlb - LA : xWatr : zSections
LAST SAVED 1/19/2023 12:24 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:02 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-DIMC.dwg


MICHAEL F. MOORE
INST. NO. 20030000275494
D.R.R.C.T.
LOT 1, BLOCK 1
YA-HOO
CAB. B, SLIDE 342
P.R.R.C.T.
ROBINO GIANLUCA &
MARY C. GROSS
INST. NO. 2007-00374776
O.P.R.R.C.T.
15' UTILITY EASEMENT
CAB. B, SLIDE 342
P.R.R.C.T.
20' SANITARY SEWER
EASEMENT
VOL. 1256, PG. 179
D.R.R.C.T.
N89°00'12"E 710.41'
LOT 1, BLOCK 1
CAVENDER'S ADDITION
INST. NO. 2015000003652
O.P.R.R.C.T.
N67°13'27"E 2144.85'
DRAINAGE & DETENTION
EASEMENT
INST. NO. 20150000003652
O.P.R.R.C.T.
MYASIN INVESTMENTS LLC
INST. NO. 20180000016565
O.P.R.R.C.T.
25.0' SIDE
SETBACK
50' ATMOS PIPELINE
EASEMENT
INST. NO. 20150000001950
O.P.R.R.C.T.
LOT 2
DBK ADDITION
CAB. D, SLIDE 241
O.P.R.R.C.T.
A CALLED 1.6291 ACRE
ROCKWALL STORAGE
SOLUTIONS LLC
INST. NO.
20140000010313
O.P.R.R.C.T.
385 LF RETAINING WALL
5' MAX. HEIGHT
4' AVERAGE HEIGHT
100 YEAR PRE-PROJECT
FLOODPLAIN LINE
100 YEAR FEMA EFFECTIVE
FLOODPLAIN LINE (ZONE A)
SEE DETAIL A
SHEET C109
COMM.
VAULT
S0°45'31"W
54.87'
S0°42'48"E 948.61'
OHE
LOT 1, BLOCK B
ROCKWALL TECHNOLOGY PARK, PHASE 4
CAB. J, SLIDE 073
O.P.R.R.C.T.
70' X 1?? DRAINAGE EASEMENT
INST. ?? 2011-00451626
O.P.R.R.C.T.
6" CURB (TYP.)
PROPOSED PUBLIC
5' SIDEWALK
50.0' FRONT SETBACK
PROPOSED PUBLIC
HEAVY DUTY PAVEMENT
CAPITAL
BOULEVARD
PROPOSED 6" MONOLITHIC
CURB PER CITY OF
ROCKWALL STANDARD
36.0'
6" CURB (TYP.)
30.0'
55.0'
PROPOSED
MEDIUM DUTY
PAVEMENT
PROPOSED
MEDIUM DUTY
PAVEMENT
36.0'
70.0'
PROPOSED
HEAVY DUTY
PAVEMENT
24.0'
FIRE
LANE
PROPOSED
MEDIUM DUTY
PAVEMENT
60.0'
PROPOSED LEFT TURN
LANE STRIPING PER CITY
OF ROCKWALL MARKINGS
STANDARD DETAIL R-2130.
PROPOSED PUBLIC
HEAVY DUTY PAVEMENT
R25.0'
30.0'
PROPOSED
LIGHT DUTY
PAVEMENT
PROPOSED
LIGHT DUTY
PAVEMENT
FUTURE PAVEMENT
150 LF RETAINING WALL
7' MAX. HEIGHT
5' AVERAGE HEIGHT
6" CURB (TYP.)
PROPOSED
BUILDNG
301,120 SF
243.0'
1242.0'
183.8'
24.0'
20.0'
20.0'
20.0'
24.0'
PROPOSED SIDEWALK
PROPOSED SIDEWALK
CONNECT TO EXISTING
PAVEMENT PER CITY
OF ROCKWALL
PROPOSED PAVING
CONNECTION TO
EXISTING PAVEMENT
STANDARD DETAIL
PROPOSED
LIGHT DUTY
PAVEMENT
PROPOSED
DETENTION
POND
25.0' SIDE
SETBACK
PROPOSED MEDIUM DUTY PAVEMENT
20.0'
24.0'
20.0'
24.0'
FIRE
LANE
CONNECT TO EXISTING
PAVEMENT PER CITY OF
ROCKWALL LONGITUDINAL
BUTT JOINT DETAIL R-2051.
40.0'
PROPOSED
5' SIDEWALK
58.5'
6" CURB (TYP.)
PROPOSED PUBLIC
5' SIDEWALK
S89°29'36"W 2689.40'
COMM.
VAULT
OHE
COMM.
VAULT
COMM.
EQUIPMENT
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
CONTRACTOR TO RELOCATE
TELECOMMUNICATIONS BOX
CONTRACTOR TO
RELOCATE MANHOLE
LOT 4, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 3R, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 2, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 1, BLOCK C
NOLAN POWER BUILDING
CAB. H, SLIDE 259
P.R.R.C.T.
20' LANDSCAPE, PEDESTRIAN
& UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
TECHNOLOGY WAY
20' LANDSCAPE, PEDESTRIAN
& UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
LOT 4, BLOCK E
ROCKWALL TECHNOLOGY PARK
INST. NO. 20200000008932
O.P.R.R.C.T.
LOT 2, BLOCK E
ROCKWALL TECHNOLOGY PARK
CAB. G, SLIDE 377
O.P.R.R.C.T.
FL


NORTH
GRAPHIC SCALE IN FEET
0
40
80
160

LEGEND	
PROPERTY LINE	— — —
PROPOSED FIRE LANE	—— FL —— FL ——
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - - -
PROPOSED EASEMENT	— — — —
100 YEAR FLOOD PLANE	▨

LEGEND	
▩	PROPOSED SIDEWALK CONCRETE
▒	PROPOSED PRIVATE 5" LIGHT DUTY CONCRETE PAVEMENT PER THIS SHEET
▨	PROPOSED PRIVATE 6" MEDIUM DUTY CONCRETE PAVEMENT PER THIS SHEET
▓	PROPOSED PRIVATE 7" HEAVY DUTY CONCRETE PAVEMENT PER THIS SHEET
⬡	PROPOSED PUBLIC 11" HEAVY DUTY CONCRETE PAVEMENT (PUBLIC) PER THIS SHEET

NOTES

1. PAVEMENT SECTIONS PROVIDED ON THIS SHEET FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE RELIED UPON FOR COMPLETE ACCURACY. CONTRACTOR SHALL VERIFY ALL INFORMATION WITH GEOTECHNICAL ENGINEERING REPORT PROJECT NO. 23874 BY REED ENGINEERING GROUP, DECEMBER 21, 2020.
2. ALL CURBS ARE 6".

"RECORD DRAWING"
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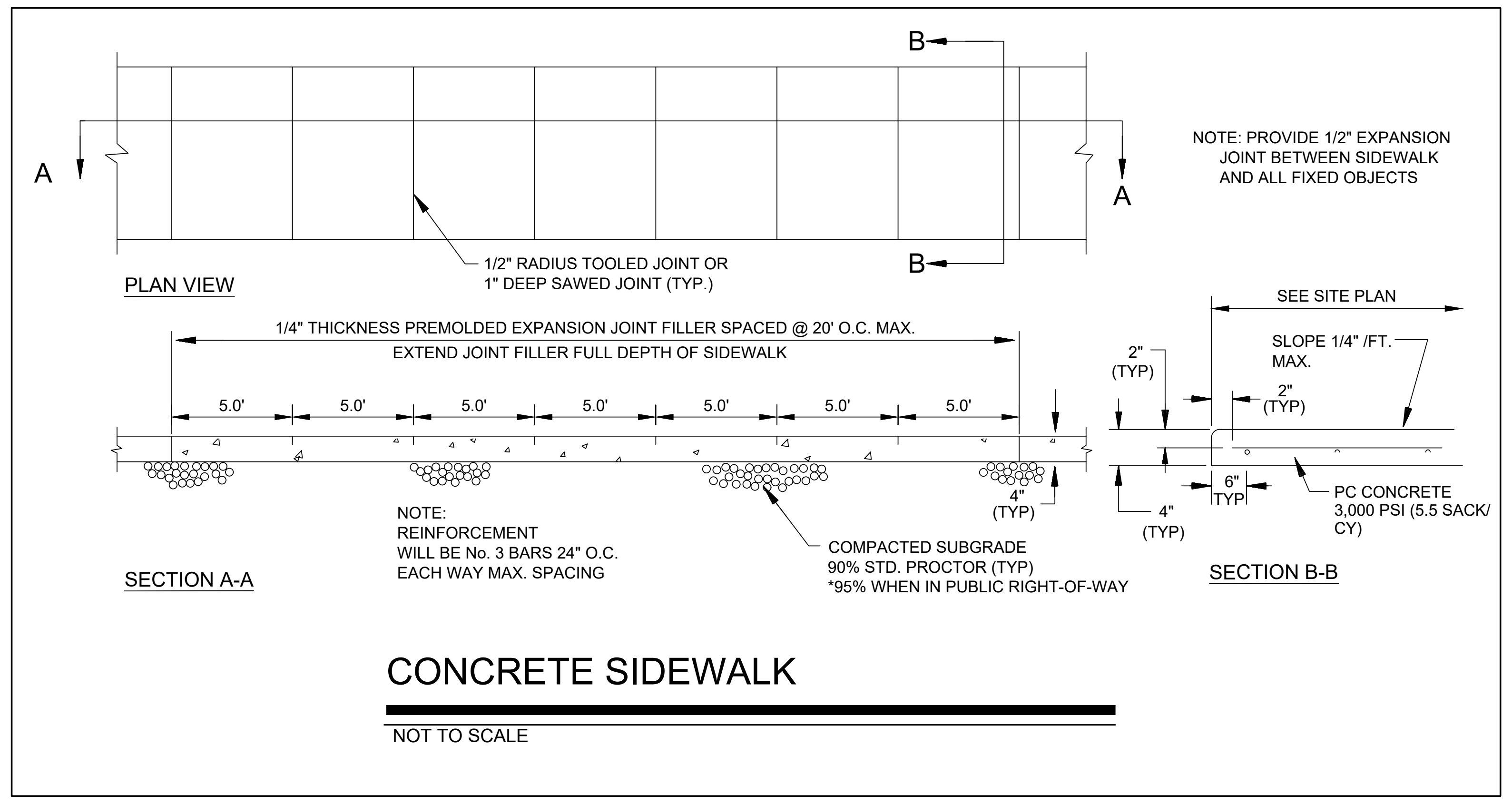
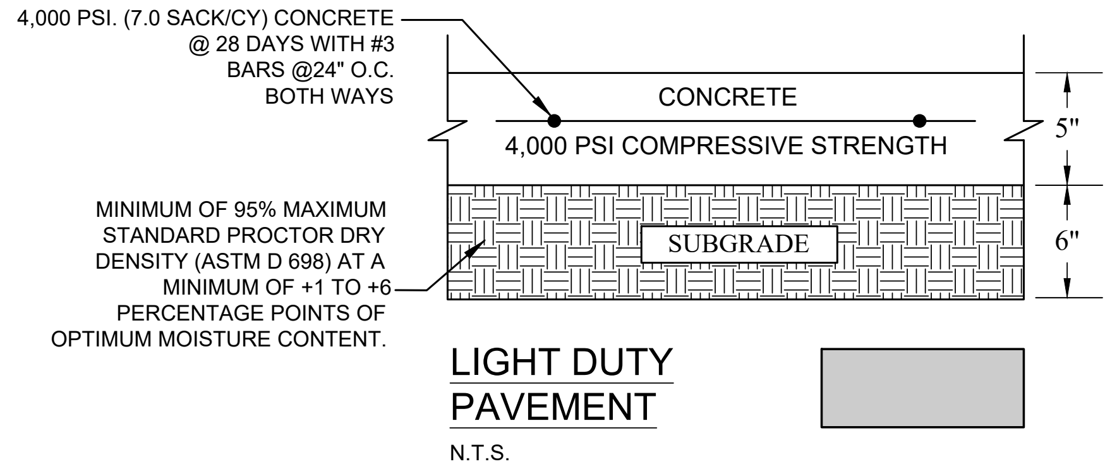
DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


B
B
A
A
PLAN VIEW
1/2" RADIUS TOOLED JOINT OR
1" DEEP SAWED JOINT (TYP.)
NOTE: PROVIDE 1/2" EXPANSION
JOINT BETWEEN SIDEWALK
AND ALL FIXED OBJECTS
1/4" THICKNESS PREMOLDED EXPANSION JOINT FILLER SPACED @ 20' O.C. MAX.
EXTEND JOINT FILLER FULL DEPTH OF SIDEWALK
5.0'
5.0'
5.0'
5.0'
5.0'
5.0'
5.0'
4"
(TYP)
NOTE:
REINFORCEMENT
WILL BE No. 3 BARS 24" O.C.
EACH WAY MAX. SPACING
COMPACTED SUBGRADE
90% STD. PROCTOR (TYP)
*95% WHEN IN PUBLIC RIGHT-OF-WAY
SECTION A-A
SEE SITE PLAN
SLOPE 1/4" /FT.
MAX.
2"
(TYP)
2"
(TYP)
6"
TYP
4"
(TYP)
PC CONCRETE
3,000 PSI (5.5 SACK/
CY)
SECTION B-B

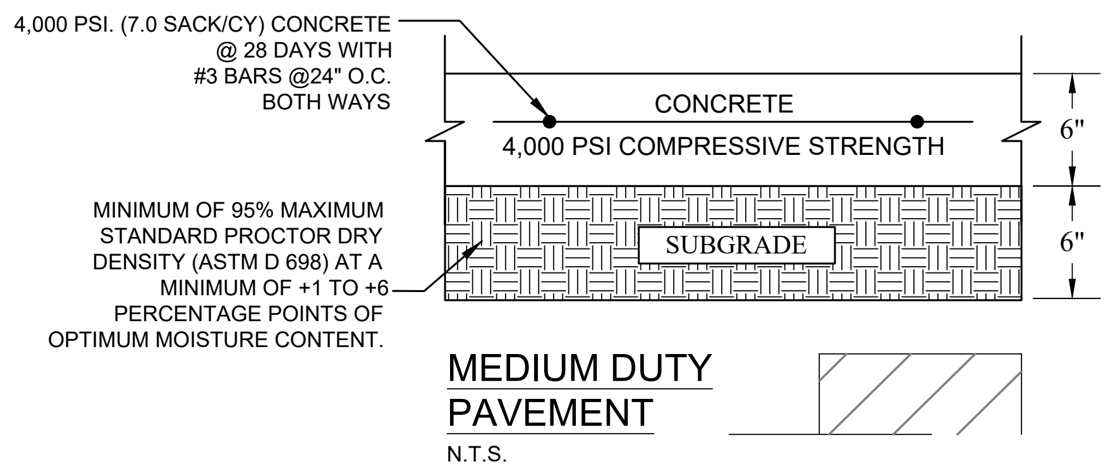
CONCRETE SIDEWALK

NOT TO SCALE


4,000 PSI. (7.0 SACK/CY) CONCRETE
@ 28 DAYS WITH #3
BARS @24" O.C.
BOTH WAYS
CONCRETE
4,000 PSI COMPRESSIVE STRENGTH
5"
SUBGRADE
6"
MINIMUM OF 95% MAXIMUM
STANDARD PROCTOR DRY
DENSITY (ASTM D 698) AT A
MINIMUM OF +1 TO +6
PERCENTAGE POINTS OF
OPTIMUM MOISTURE CONTENT.

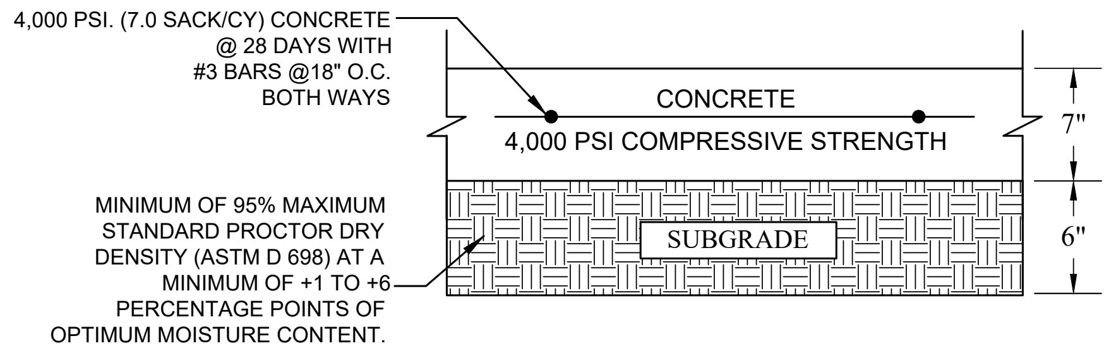
LIGHT DUTY PAVEMENT ▒

N.T.S.


4,000 PSI. (7.0 SACK/CY) CONCRETE
@ 28 DAYS WITH
#3 BARS @24" O.C.
BOTH WAYS
CONCRETE
4,000 PSI COMPRESSIVE STRENGTH
6"
SUBGRADE
6"
MINIMUM OF 95% MAXIMUM
STANDARD PROCTOR DRY
DENSITY (ASTM D 698) AT A
MINIMUM OF +1 TO +6
PERCENTAGE POINTS OF
OPTIMUM MOISTURE CONTENT.

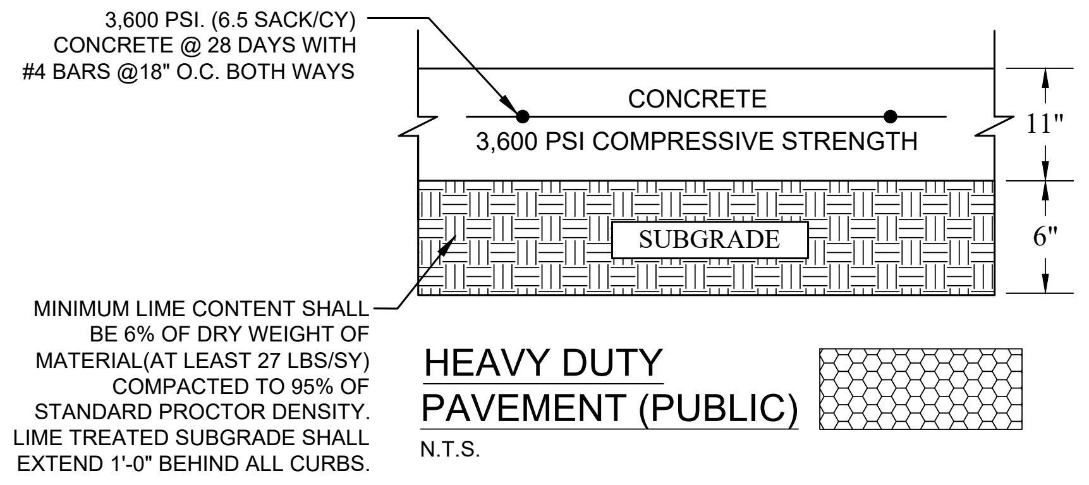
MEDIUM DUTY PAVEMENT ▨

N.T.S.


4,000 PSI. (7.0 SACK/CY) CONCRETE
@ 28 DAYS WITH
#3 BARS @18" O.C.
BOTH WAYS
CONCRETE
4,000 PSI COMPRESSIVE STRENGTH
7"
SUBGRADE
6"
MINIMUM OF 95% MAXIMUM
STANDARD PROCTOR DRY
DENSITY (ASTM D 698) AT A
MINIMUM OF +1 TO +6
PERCENTAGE POINTS OF
OPTIMUM MOISTURE CONTENT.

HEAVY DUTY PAVEMENT ▓

N.T.S.


3,600 PSI. (6.5 SACK/CY)
CONCRETE @ 28 DAYS WITH
#4 BARS @18" O.C. BOTH WAYS
CONCRETE
3,600 PSI COMPRESSIVE STRENGTH
11"
SUBGRADE
6"
MINIMUM LIME CONTENT SHALL
BE 6% OF DRY WEIGHT OF
MATERIAL(AT LEAST 27 LBS/SY)
COMPACTED TO 95% OF
STANDARD PROCTOR DENSITY.
LIME TREATED SUBGRADE SHALL
EXTEND 1'-0" BEHIND ALL CURBS.

HEAVY DUTY PAVEMENT (PUBLIC) ⬡

N.T.S.

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811 Know what's **below.** **Call** before you dig.

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS

STREAM ROCKWALL

PREPARED FOR

STREAM REALTY ACQUISITION, LLC.

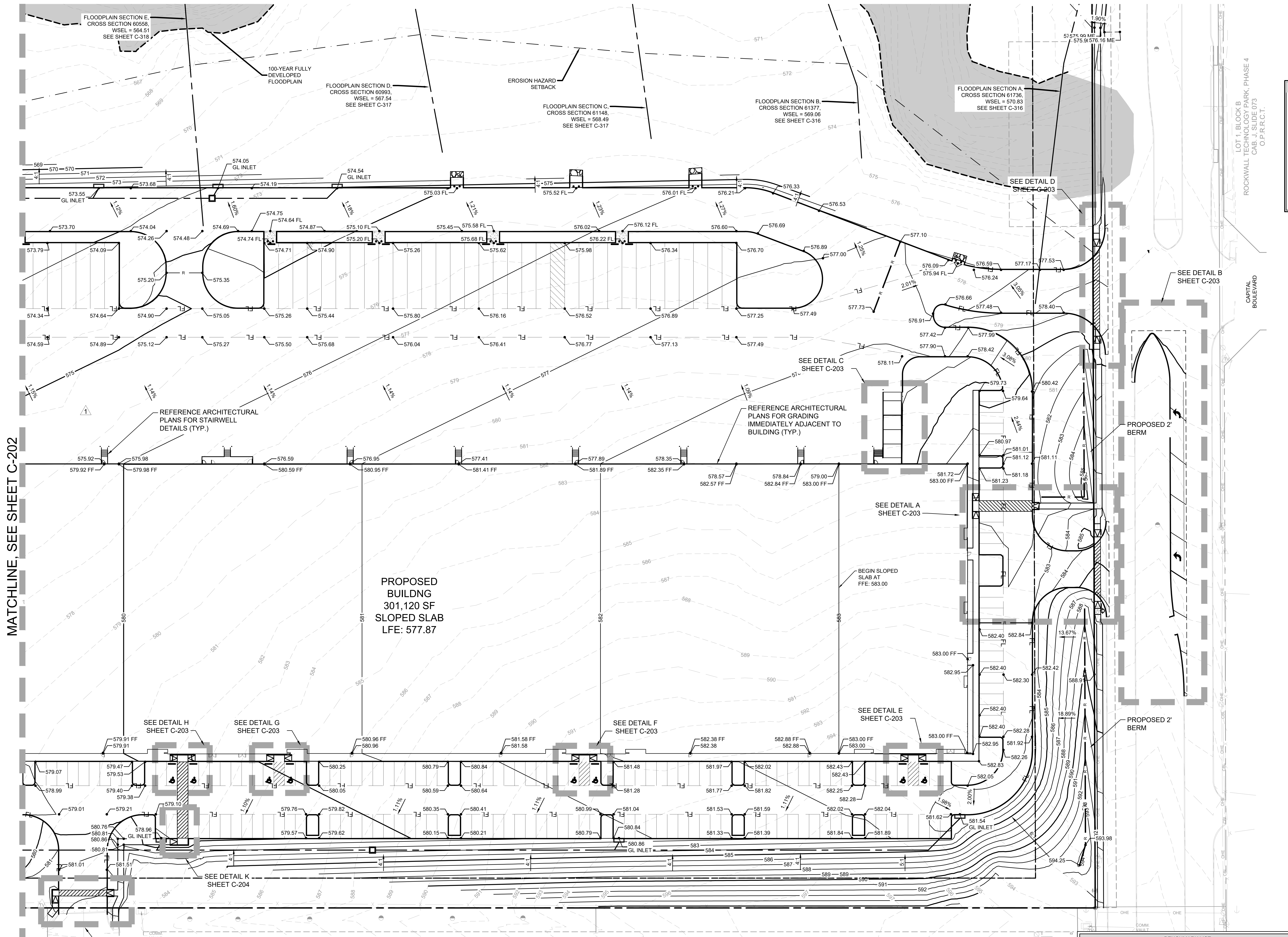
ROCKWALL TEXAS

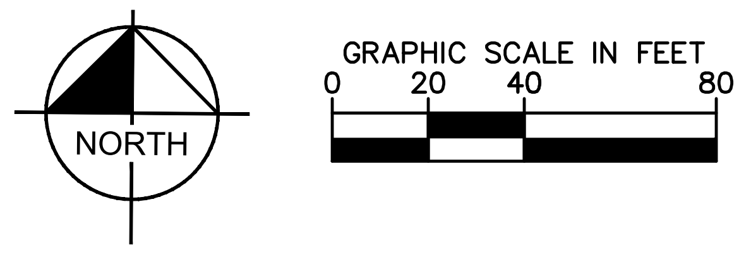
OVERALL PAVING PLAN

SHEET NUMBER

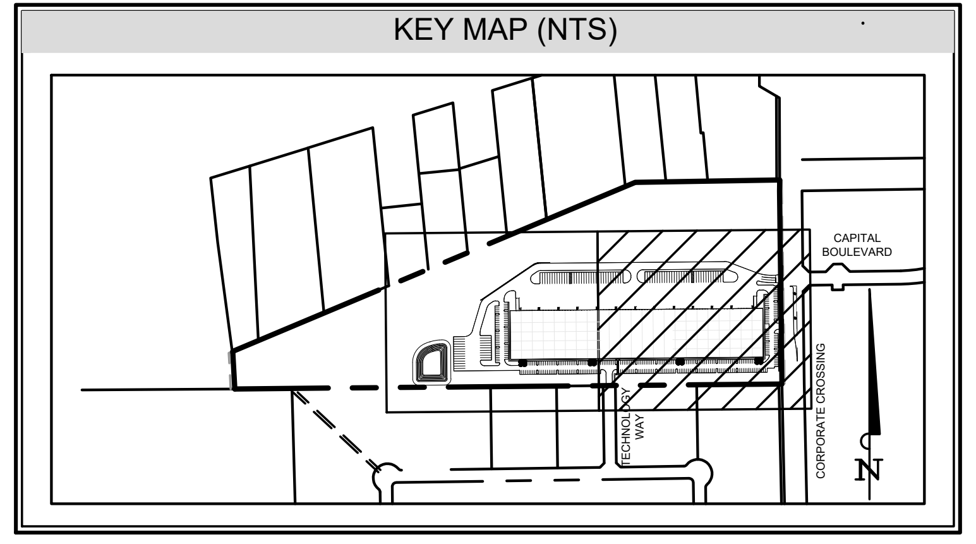
C-108

CITY FILE NO. SP2023-006


MATCHLINE, SEE SHEET C-202
FLOODPLAIN SECTION E, CROSS SECTION 60558, WSEL = 564.51 SEE SHEET C-318
100-YEAR FULLY DEVELOPED FLOODPLAIN
FLOODPLAIN SECTION D, CROSS SECTION 60993, WSEL = 567.54 SEE SHEET C-317
EROSION HAZARD SETBACK
FLOODPLAIN SECTION C, CROSS SECTION 61148, WSEL = 568.49 SEE SHEET C-317
FLOODPLAIN SECTION B, CROSS SECTION 61377, WSEL = 569.06 SEE SHEET C-316
FLOODPLAIN SECTION A, CROSS SECTION 61736, WSEL = 570.83 SEE SHEET C-316
574.05 GL INLET
574.54 GL INLET
573.55 GL INLET
SEE DETAIL D SHEET C-203
SEE DETAIL B SHEET C-203
SEE DETAIL C SHEET C-203
SEE DETAIL A SHEET C-203
REFERENCE ARCHITECTURAL PLANS FOR STAIRWELL DETAILS (TYP.)
REFERENCE ARCHITECTURAL PLANS FOR GRADING IMMEDIATELY ADJACENT TO BUILDING (TYP.)
PROPOSED BUILDNG 301,120 SF SLOPED SLAB LFE: 577.87
BEGIN SLOPED SLAB AT FFE: 583.00
PROPOSED 2' BERM
PROPOSED 2' BERM
CAPITAL BOULEVARD
LOT 1, BLOCK B ROCKWALL TECHNOLOGY PARK, PHASE 4 CAB. J, SLIDE 073 O.P.R.R.C.T.
SEE DETAIL H SHEET C-203
SEE DETAIL G SHEET C-203
SEE DETAIL F SHEET C-203
SEE DETAIL E SHEET C-203
578.96 GL INLET
580.86 GL INLET
581.54 GL INLET
SEE DETAIL K SHEET C-204
SEE DETAIL L SHEET C-204
COMM. VAULT
OHE
30'X30' S.W.B.T. EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
COMM. EQUIPMENT
LOT 4, BLOCK E ROCKWALL TECHNOLOGY PARK INST. NO. 20200000008932 O.P.R.R.C.T.
LOT 2, BLOCK E ROCKWALL TECHNOLOGY PARK CAB. G, SLIDE 377 O.P.R.R.C.T.


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND	
PROPERTY LINE	▬ ▬ ▬
PROPOSED CONTOUR	──
EXISTING CONTOUR	- - -
PROPOSED RIDGE LINE	—R—R—R—
PROPOSED STORM DRAIN PIPE	▬▬
SWALE	—<—<—<—
TOP OF PAVEMENT ELEVATION	•— 540
TOP OF CURB ELEVATION	•— 540, TC
PAVEMENT ELEVATION AT GUTTER LINE OF INLET	•— 540, GL INLET
MATCH TO EXISTING ELEVATION	•— 540, ME
ELEVATION AT TOP OF GRATE	•— 540, TG
ELEVATION AT FINISHED GROUND	•— 540, FG
ELEVATION AT FINISHED FLOOR	•— 540, FF
ELEVATION AT FLOW LINE	•— 540, FL
FLOW DIRECTION OF ROOF	⇦

NOTES

1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS, THE FINAL GEOTECHNIAL REPORT AND ALL ISSUED ADDENDUMS, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
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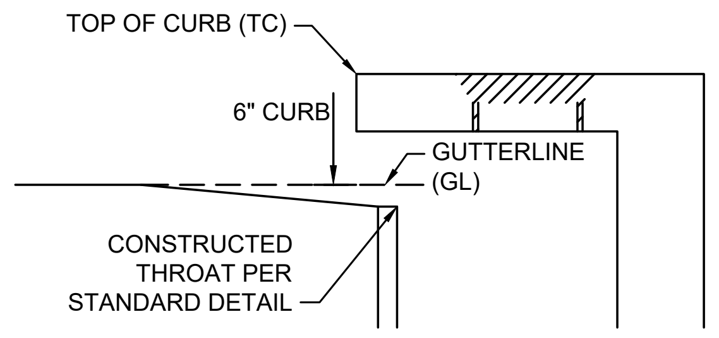
"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


TOP OF CURB (TC)
6" CURB
GUTTERLINE (GL)
CONSTRUCTED THROAT PER STANDARD DETAIL

STORM DRAINAGE CURB INLET

NOT TO SCALE

BENCHMARK LIST

REFRENCE DATUM - CITY OF ROCKWALL STATION NO. COR-9

BRASS DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" ON THE SOUTHSIDE OF DISCOVERY BLVD. AT THE SOUTHEAST CORNER OF A CURB INLET, ±180' EAST INTERSECTION OF DISCOVERY/CORPORATE.
ELEV = 595.63'

BM #52 "☒" SET ON CENTER OF HEADWALL ON WEST SIDE OF CORPORATE CROSSING, ±540' NORTH OF INTERSECTION OF CAPITAL BOULEVARD & ±820' SOUTH OF I.H. 30
ELEV = 578.31'

BM #53 "☒" SET AT NORTHEAST CORNER OF CORPORATE CROSSING AND CAPITAL BOULEVARD, ±40' NORTH OF CENTERLINE OF CAPITAL BOULEVARD & ±50' EAST OF CORPORATE CROSSING.
ELEV= 578.03'

BM #54 "☒" SET ON CONCRETE EQUIPMENT SLAB, ±105' WEST OF CENTERLINE OF CORPORATE CROSSING AND ±565' SOUTH OF CENTERLINE OF CAPITAL BOULEVARD
ELEV = 594.83'

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SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME
138132
05/11/2023

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
068213100	MAY 2023	AS SHOWN	DSA	CAL	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GRADING PLAN (1 OF 2)

SHEET NUMBER
C-201

CITY FILE NO. SP2023-006

IMAGES McKinney Trash Rack Detail71db5d12 : DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xKeymap : oSurfFG : zSections
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DWG NAME C-GRAD.dwg

BENCHMARK LIST

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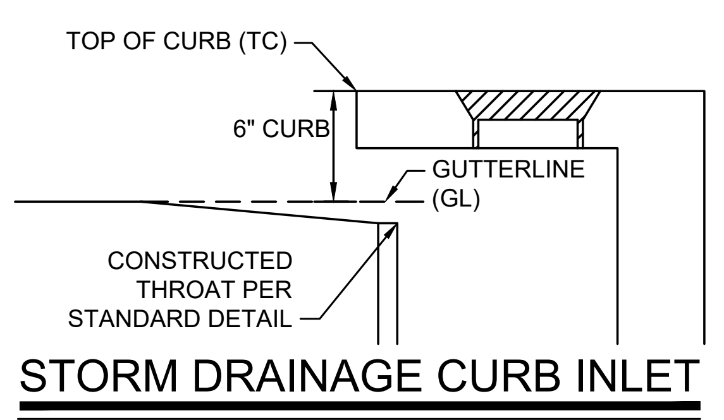
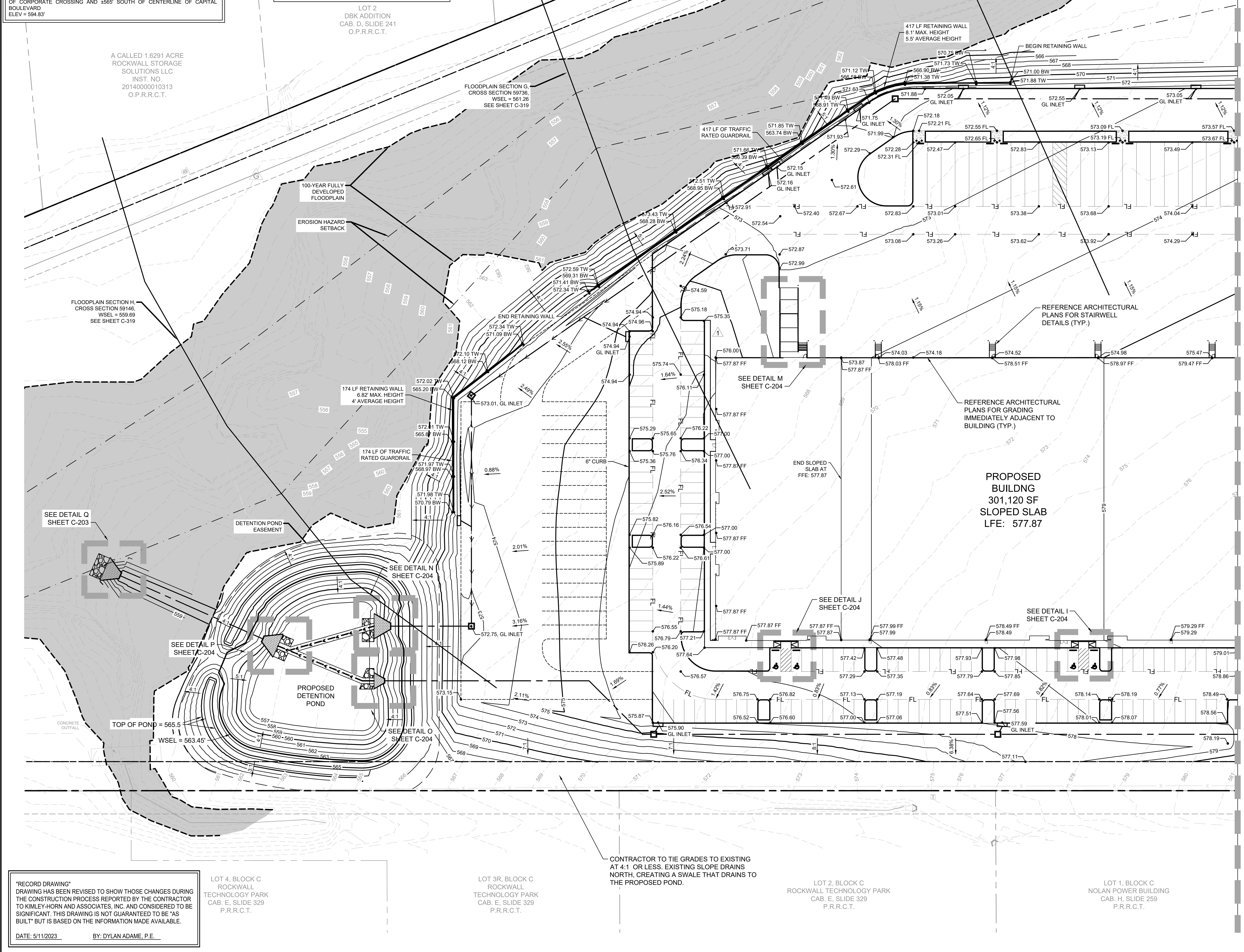

TOP OF CURB (TC)
6" CURB
GUTTERLINE (GL)
CONSTRUCTED THROAT PER STANDARD DETAIL

STORM DRAINAGE CURB INLET

NOT TO SCALE


MYASIN INVESTMENTS LLC
INST. NO. 20180000016565
O.P.R.R.C.T.
LOT 2
DBK ADDITION
CAB. D, SLIDE 241
O.P.R.R.C.T.
A CALLED 1.6291 ACRE
ROCKWALL STORAGE SOLUTIONS LLC
INST. NO. 20140000010313
O.P.R.R.C.T.
FLOODPLAIN SECTION F, CROSS SECTION 60153, WSEL = 563.06 SEE SHEET C-318
FLOODPLAIN SECTION G, CROSS SECTION 59736, WSEL = 561.26 SEE SHEET C-319
FLOODPLAIN SECTION H, CROSS SECTION 59146, WSEL = 559.69 SEE SHEET C-319
100-YEAR FULLY DEVELOPED FLOODPLAIN
EROSION HAZARD SETBACK
417 LF RETAINING WALL 8.1' MAX. HEIGHT 5.5' AVERAGE HEIGHT
BEGIN RETAINING WALL
END RETAINING WALL
417 LF OF TRAFFIC RATED GUARDRAIL
174 LF RETAINING WALL 6.82' MAX. HEIGHT 4' AVERAGE HEIGHT
174 LF OF TRAFFIC RATED GUARDRAIL
6" CURB
REFERENCE ARCHITECTURAL PLANS FOR STAIRWELL DETAILS (TYP.)
REFERENCE ARCHITECTURAL PLANS FOR GRADING IMMEDIATELY ADJACENT TO BUILDING (TYP.)
SEE DETAIL M SHEET C-204
SEE DETAIL N SHEET C-204
SEE DETAIL O SHEET C-204
SEE DETAIL P SHEET C-204
SEE DETAIL Q SHEET C-203
SEE DETAIL J SHEET C-204
SEE DETAIL I SHEET C-204
END SLOPED SLAB AT FFE: 577.87
PROPOSED BUILDNG 301,120 SF SLOPED SLAB LFE: 577.87
DETENTION POND EASEMENT
PROPOSED DETENTION POND
TOP OF POND = 565.5
WSEL = 563.45'
CONCRETE OUTFALL
MATCHLINE, SEE SHEET C-201
CONTRACTOR TO TIE GRADES TO EXISTING AT 4:1 OR LESS. EXISTING SLOPE DRAINS NORTH, CREATING A SWALE THAT DRAINS TO THE PROPOSED POND.
LOT 4, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 3R, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 2, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 1, BLOCK C
NOLAN POWER BUILDING
CAB. H, SLIDE 259
P.R.R.C.T.

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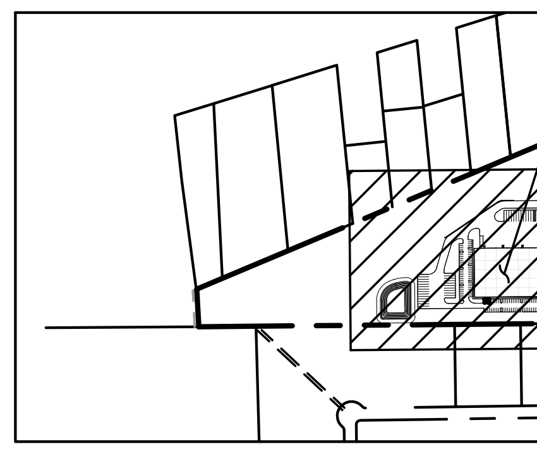
IMAGES McKinney Trash Rack Detail71db5d12 : DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xKeymap : oSurfFG : zSections
LAST SAVED 5/11/2023 2:45 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:04 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-GRAD.dwg

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND

PROPERTY LINE	▬ ▬ ▬
PROPOSED CONTOUR	───
EXISTING CONTOUR	- - -
PROPOSED RIDGE LINE	── R ── R ── R ──
PROPOSED STORM DRAIN PIPE	▬▬▬
SWALE	── < ── < ── < ──
TOP OF PAVEMENT ELEVATION	●— 540
TOP OF CURB ELEVATION	●— 540, TC
PAVEMENT ELEVATION AT GUTTER LINE OF INLET	●— 540, GL INLET
MATCH TO EXISTING ELEVATION	●— 540, ME
ELEVATION AT TOP OF GRATE	●— 540, TG
ELEVATION AT FINISHED GROUND	●— 540, FG
ELEVATION AT FINISHED FLOOR	●— 540, FF
ELEVATION AT FLOW LINE	●— 540, FL
FLOW DIRECTION OF ROOF	⇦

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DYLAN S. ADAME
138132
05/11/2023

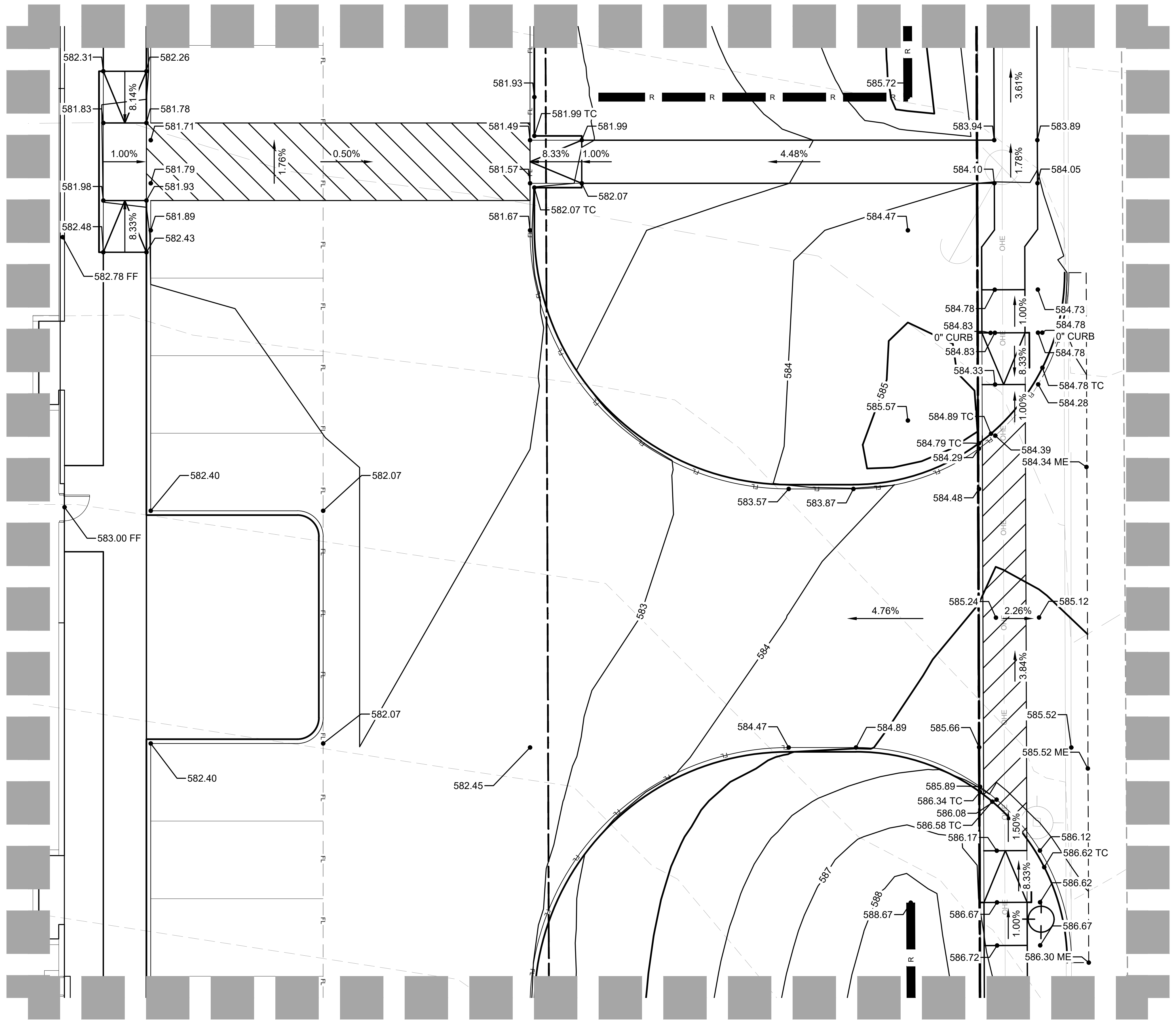
KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GRADING PLAN
(2 OF 2)

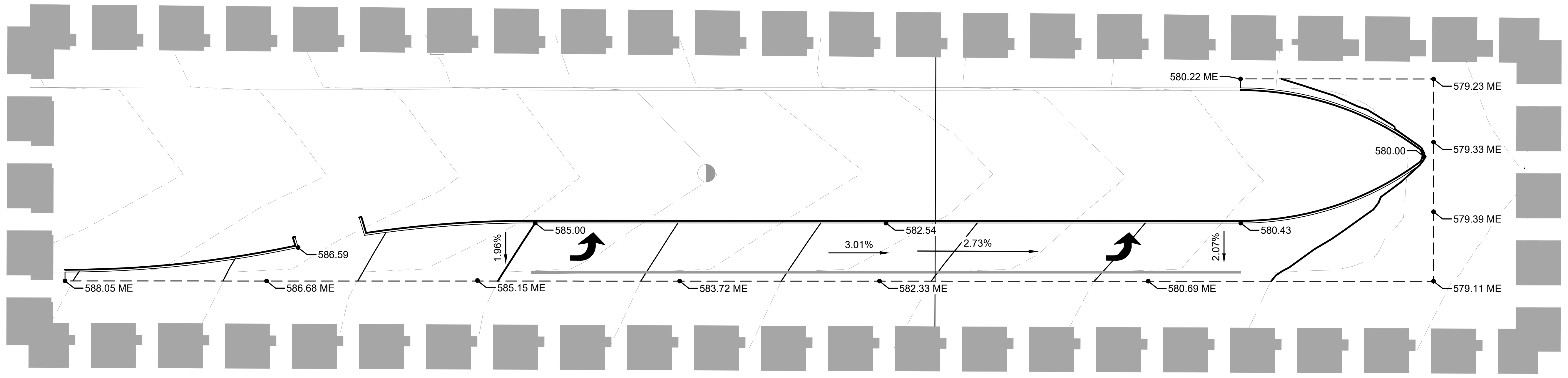
SHEET NUMBER
C-202

CITY FILE NO. SP2023-006


582.31
582.26
581.83
581.78
581.71
8.14%
1.00%
581.79
581.93
581.98
8.33%
581.89
582.48
582.43
582.78 FF
1.76%
0.50%
581.93
581.49
581.57
581.67
581.99 TC
581.99
8.33%
1.00%
582.07
582.07 TC
4.48%
585.72
3.61%
583.94
583.89
1.78%
584.10
584.05
584.47
582.40
582.07
583.00 FF
582.07
582.40
582.45
584
583
584
585
585.57
583.57
583.87
4.76%
584.78
584.83
0" CURB
584.83
584.33
584.73
584.78
0" CURB
584.78
584.78 TC
584.28
584.89 TC
584.79 TC
584.29
584.39
584.34 ME
584.48
585.24
2.26%
585.12
3.84%
584.47
584.89
585.66
585.52
585.52 ME
585.89
586.34 TC
586.08
586.58 TC
586.17
1.50%
586.12
586.62 TC
8.33%
586.62
587
588
588.67
586.67
1.00%
586.67
586.72
586.30 ME

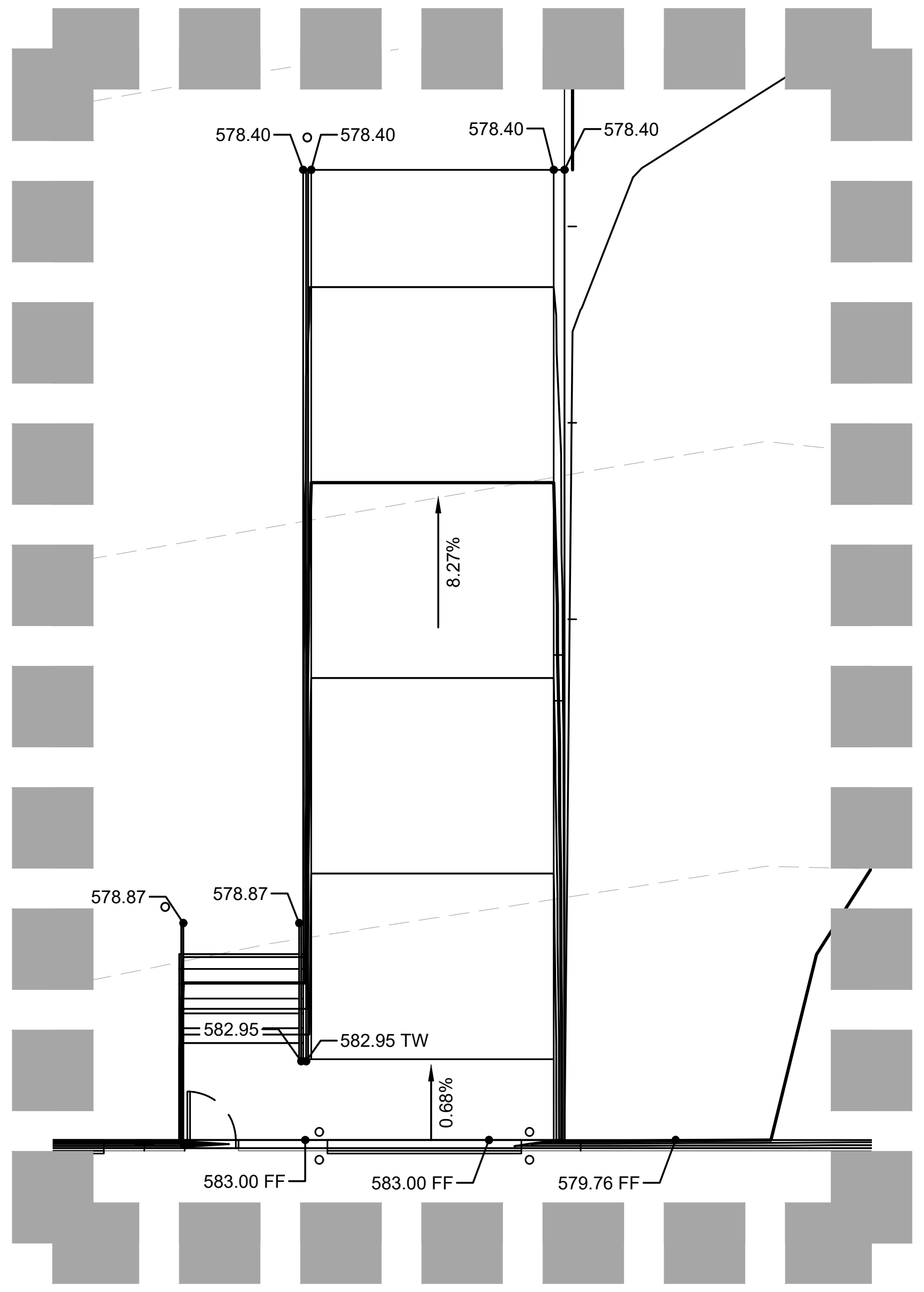
DETAIL A
SCALE 1" = 10'

NORTH


580.22 ME
579.23 ME
580.00
579.33 ME
579.39 ME
580.43
579.11 ME
585.00
582.54
586.59
1.96%
3.01%
2.73%
2.07%
588.05 ME
586.68 ME
585.15 ME
583.72 ME
582.33 ME
580.69 ME

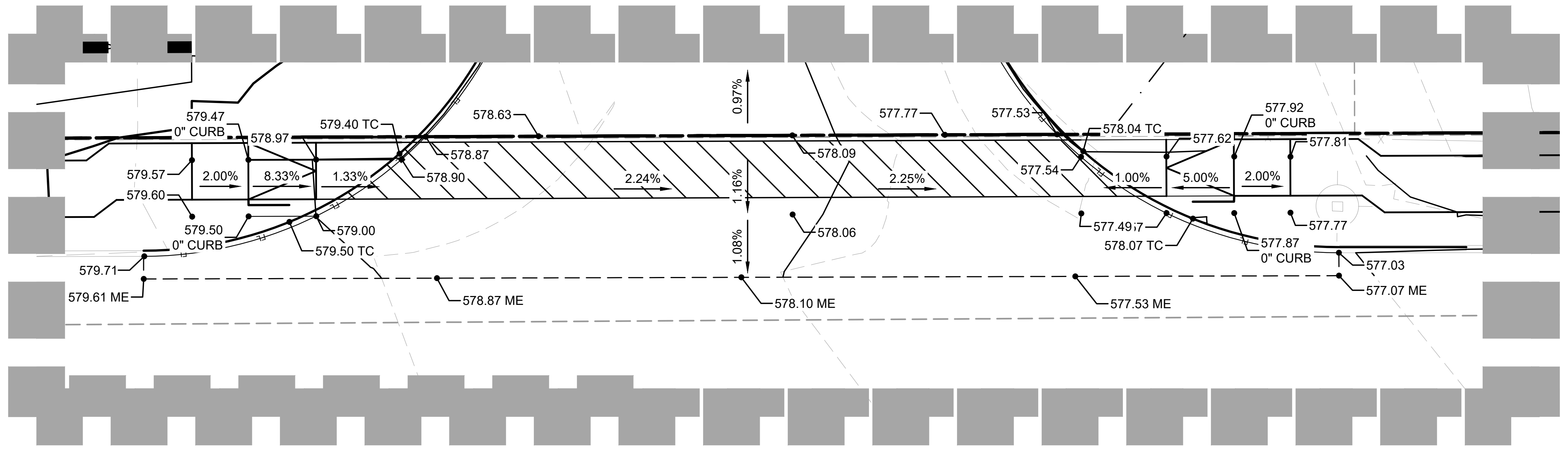
DETAIL B
SCALE 1" = 20'

NORTH


578.40
578.40
578.40
578.40
8.27%
578.87
578.87
582.95
582.95 TW
0.68%
583.00 FF
583.00 FF
579.76 FF

DETAIL C
SCALE 1" = 10'

NORTH


579.47
0" CURB
578.97
579.40 TC
578.63
0.97%
577.77
577.53
578.04 TC
577.92
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577.62
577.81
579.57
579.60
2.00%
8.33%
1.33%
578.87
578.90
2.24%
578.09
2.25%
1.16%
577.54
1.00%
5.00%
2.00%
579.50
0" CURB
579.00
579.50 TC
578.06
1.08%
577.49
578.07 TC
577.87
0" CURB
577.77
577.03
579.71
579.61 ME
578.87 ME
578.10 ME
577.53 ME
577.07 ME

DETAIL D
SCALE 1" = 10'

NORTH

LEGEND	
PROPERTY LINE	▬ ▬ ▬
PROPOSED CONTOUR	───
EXISTING CONTOUR	- - -
PROPOSED RIDGE LINE	── R ── R ── R ──
PROPOSED STORM DRAIN PIPE	▬
SWALE	── < ── < ── < ──
TOP OF PAVEMENT ELEVATION	• 540
TOP OF CURB ELEVATION	• 540, TC
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ELEVATION AT FINISHED FLOOR	• 540, FF
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FLOW DIRECTION OF ROOF	⇦

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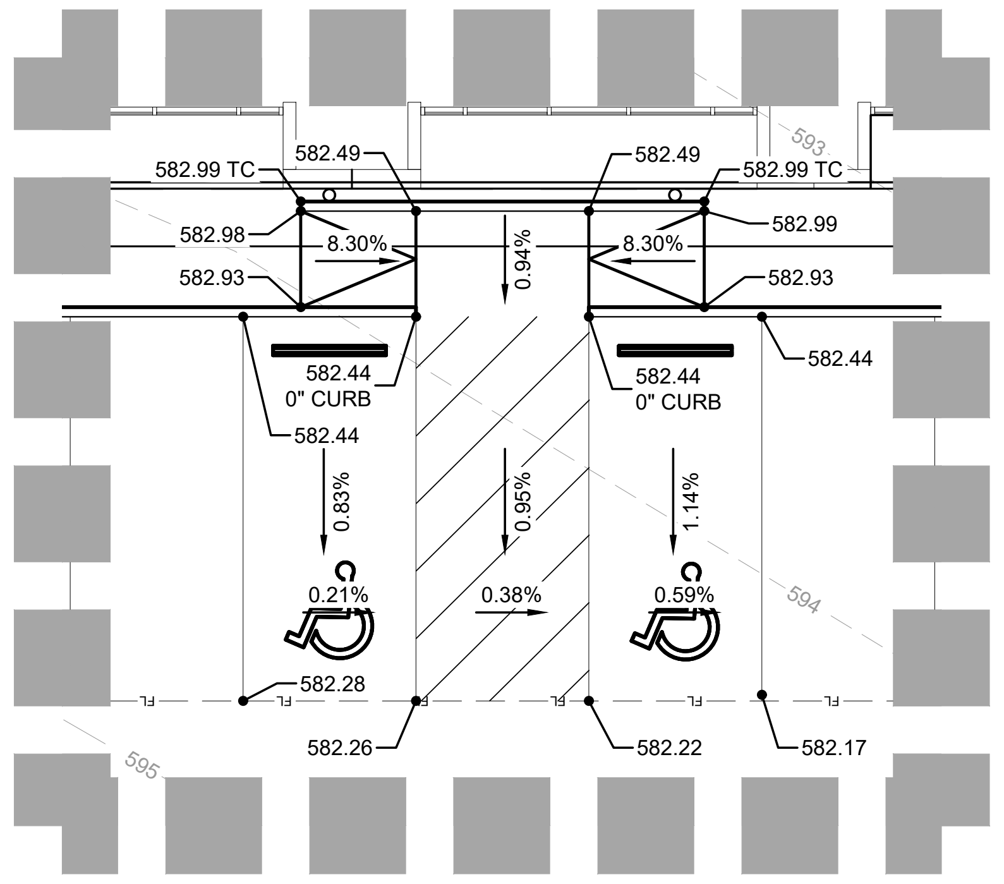
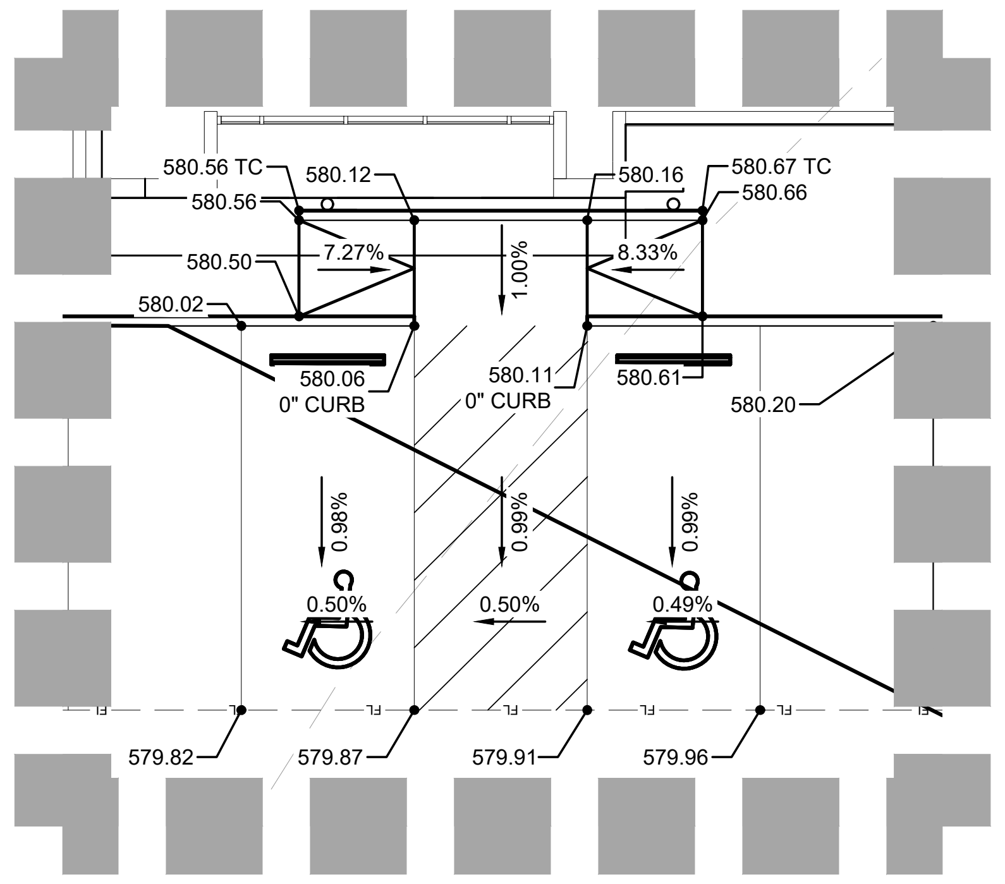

582.49
582.49
582.99 TC
582.99 TC
582.98
8.30%
0.94%
8.30%
582.99
582.93
582.93
582.44
0" CURB
582.44
0" CURB
582.44
582.44
0.83%
0.95%
1.14%
0.21%
0.38%
0.59%
582.28
582.26
582.22
582.17

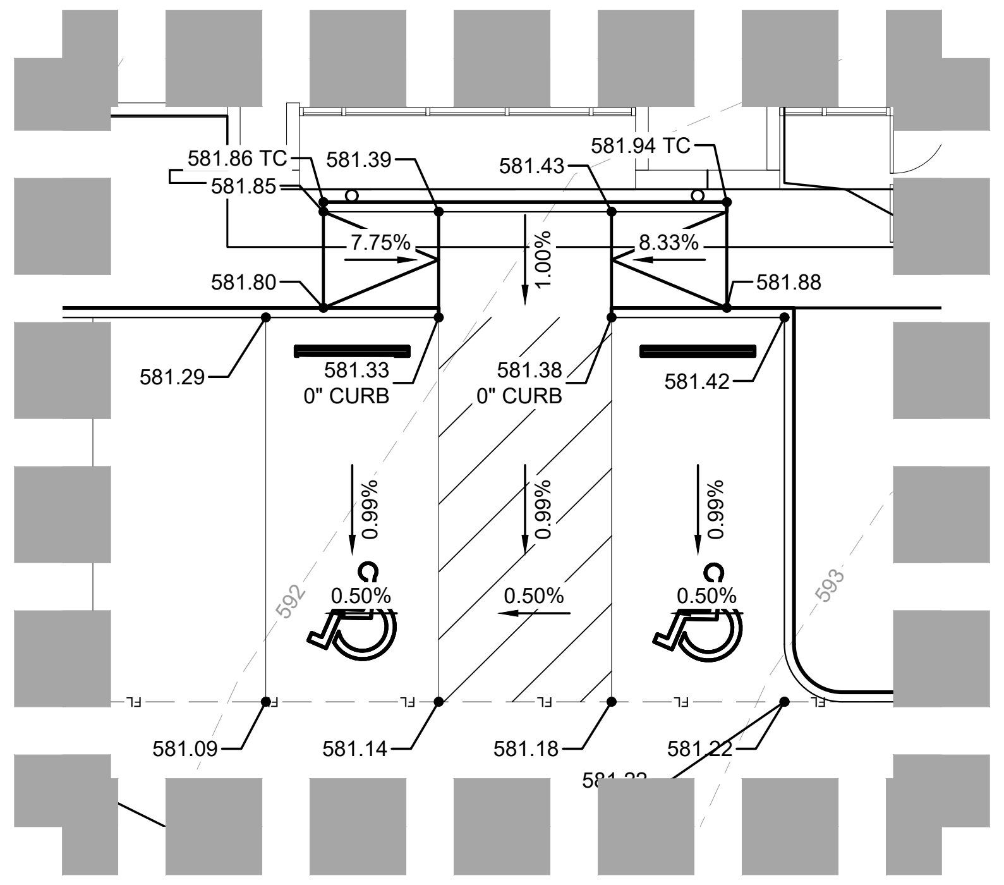
DETAIL E
SCALE 1" = 10'

NORTH


580.56 TC
580.12
580.16
580.67 TC
580.56
580.66
580.50
7.27%
1.00%
8.33%
580.02
580.06
0" CURB
580.11
0" CURB
580.61
580.20
0.98%
0.99%
0.99%
0.50%
0.50%
0.49%
579.82
579.87
579.91
579.96

DETAIL G
SCALE 1" = 10'

NORTH


581.86 TC
581.85
581.39
581.43
581.94 TC
7.75%
1.00%
8.33%
581.80
581.88
581.29
581.33
0" CURB
581.38
0" CURB
581.42
0.99%
0.99%
0.99%
0.50%
0.50%
0.50%
581.09
581.14
581.18
581.22

DETAIL F
SCALE 1" = 10'

NORTH

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811 Know what's **below.** **Call** before you dig.

No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME
138132
05/18/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

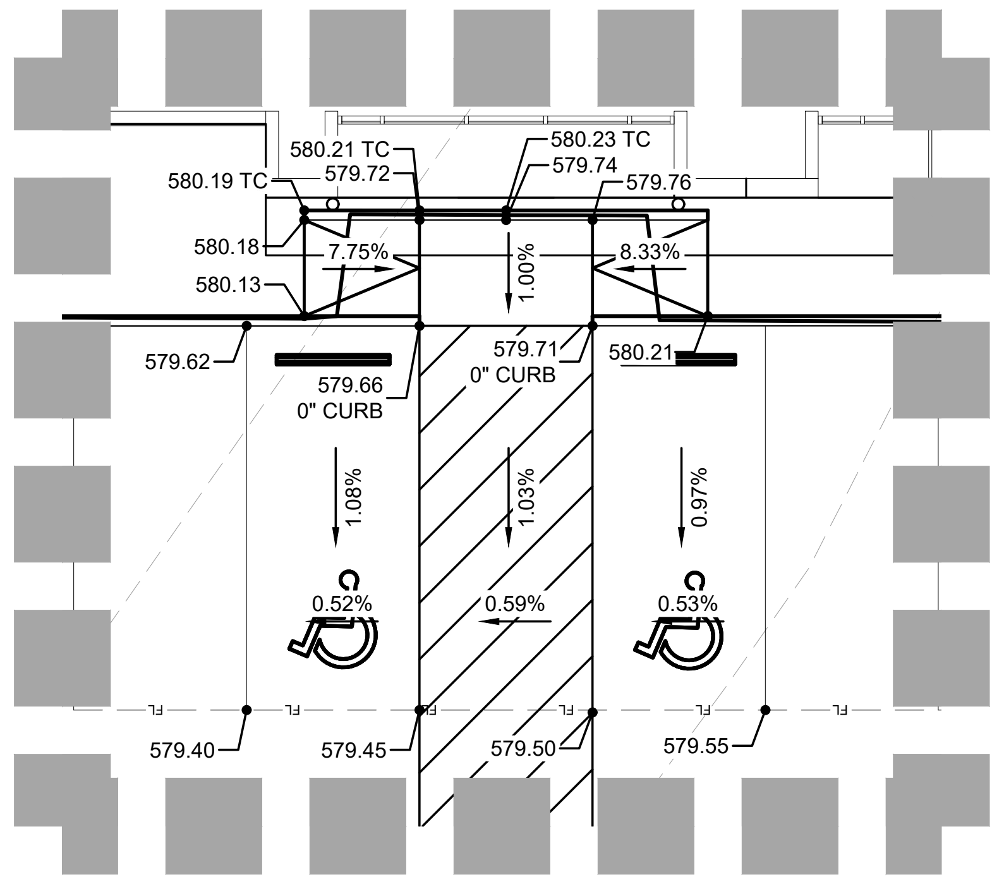
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GRADING DETAILS
(1 OF 2)

SHEET NUMBER
C-203

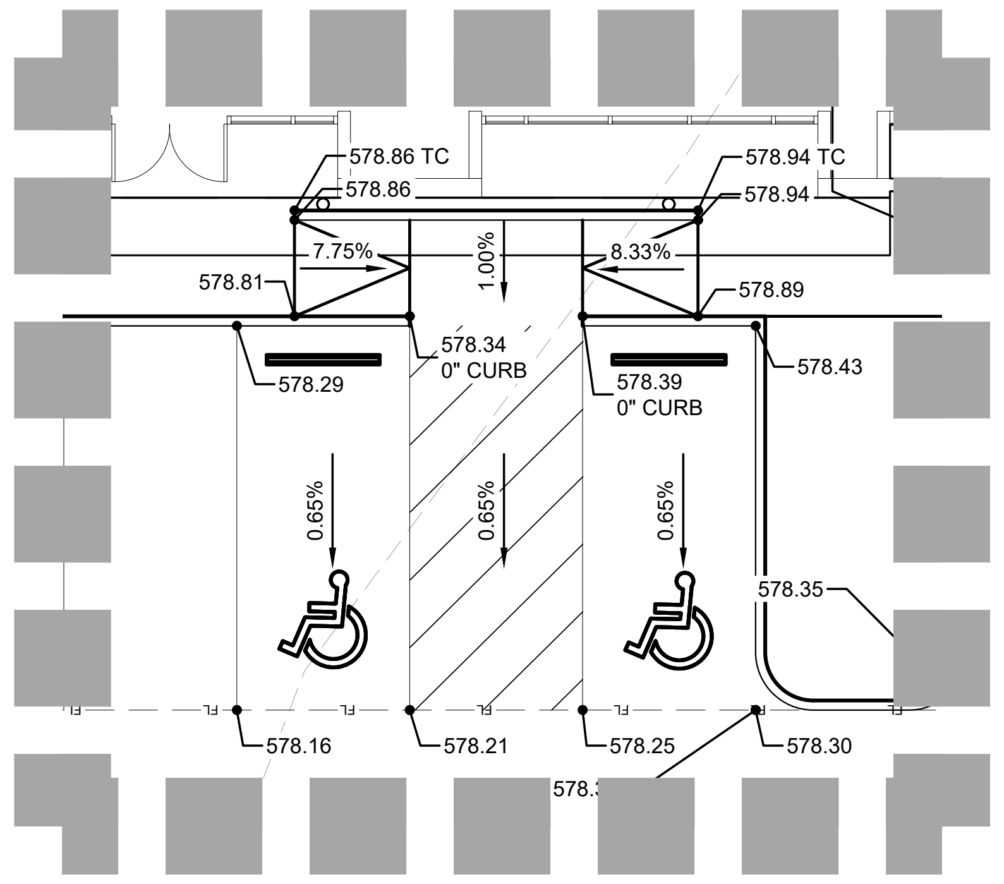
CITY FILE NO. SP2023-006

IMAGES McKinney Trash Rack Detail71db5d12 : DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xKeymap : oSurfFG : zSections
LAST SAVED 5/17/2023 2:42 PM
PLOTTED BY SHUROR, AARON 5/17/2023 5:01 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-GRAD.dwg


580.21 TC
579.72
580.23 TC
579.74
579.76
580.19 TC
580.18
580.13
7.75%
1.00%
8.33%
579.62
579.66
0" CURB
579.71
0" CURB
580.21
1.08%
1.03%
0.97%
0.52%
0.59%
0.53%
579.40
579.45
579.50
579.55

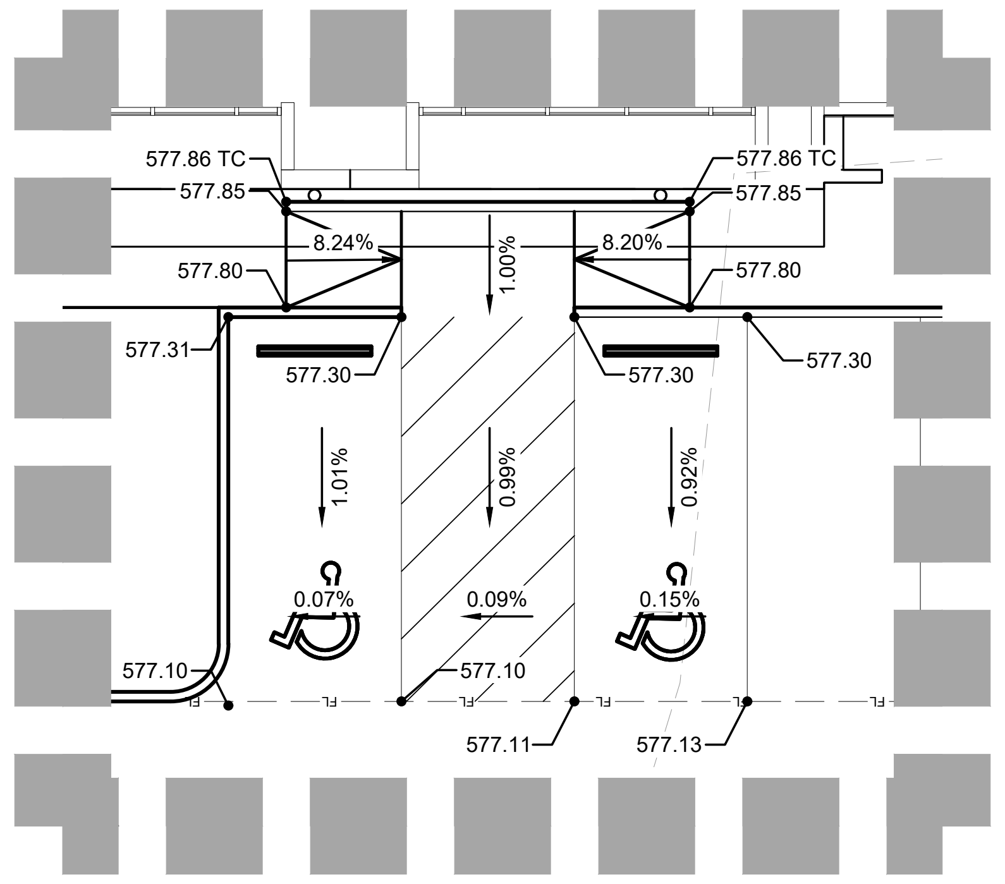
DETAIL H
SCALE 1" = 10'

NORTH


578.86 TC
578.86
578.94 TC
578.94
578.81
7.75%
1.00%
8.33%
578.89
578.29
578.34
0" CURB
578.39
0" CURB
578.43
0.65%
0.65%
0.65%
578.35
578.16
578.21
578.25
578.30

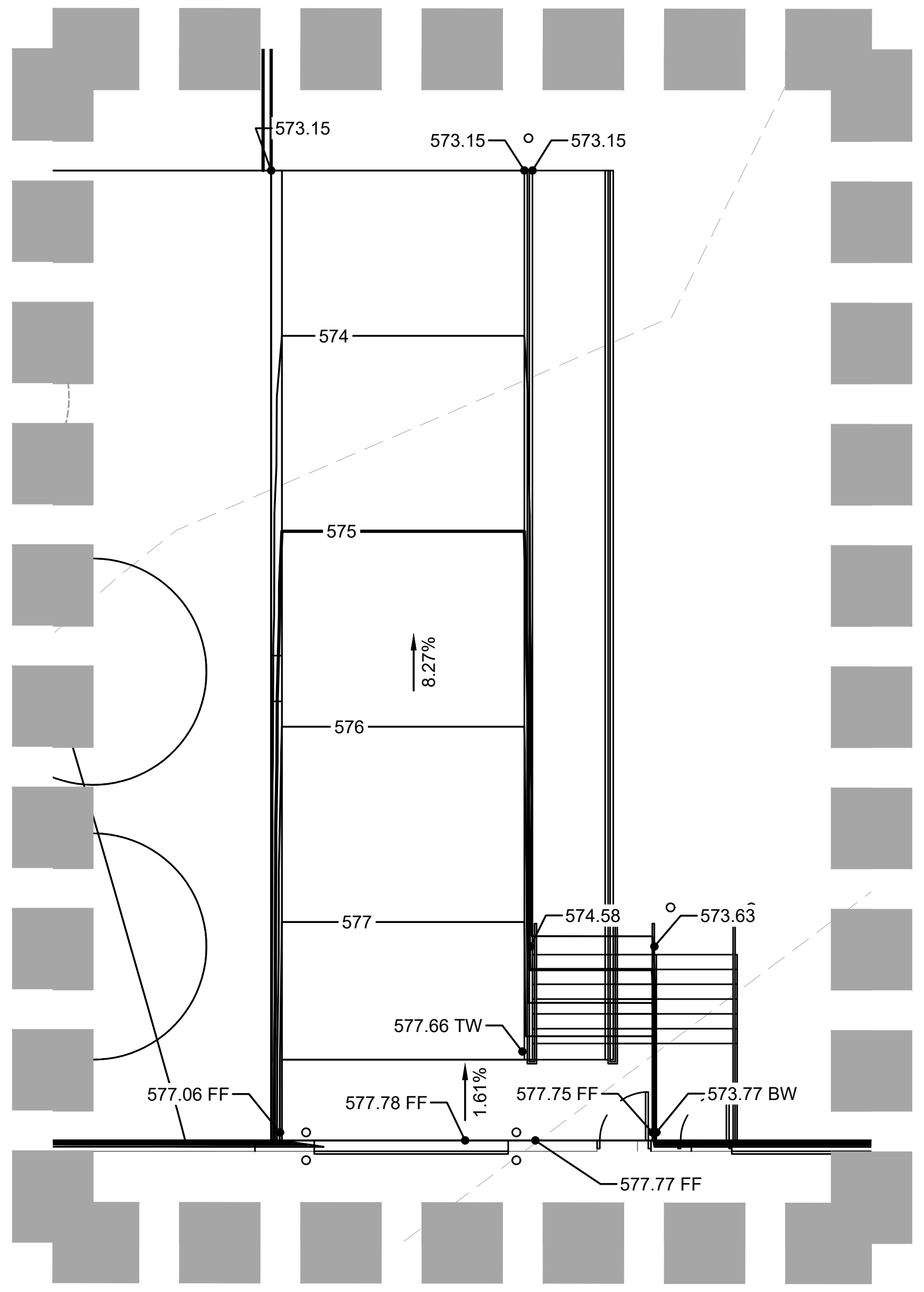
DETAIL I
SCALE 1" = 10'

NORTH


577.86 TC
577.85
577.86 TC
577.85
8.24%
1.00%
8.20%
577.80
577.80
577.31
577.30
577.30
577.30
1.01%
0.99%
0.92%
0.07%
0.09%
0.15%
577.10
577.10
577.11
577.13

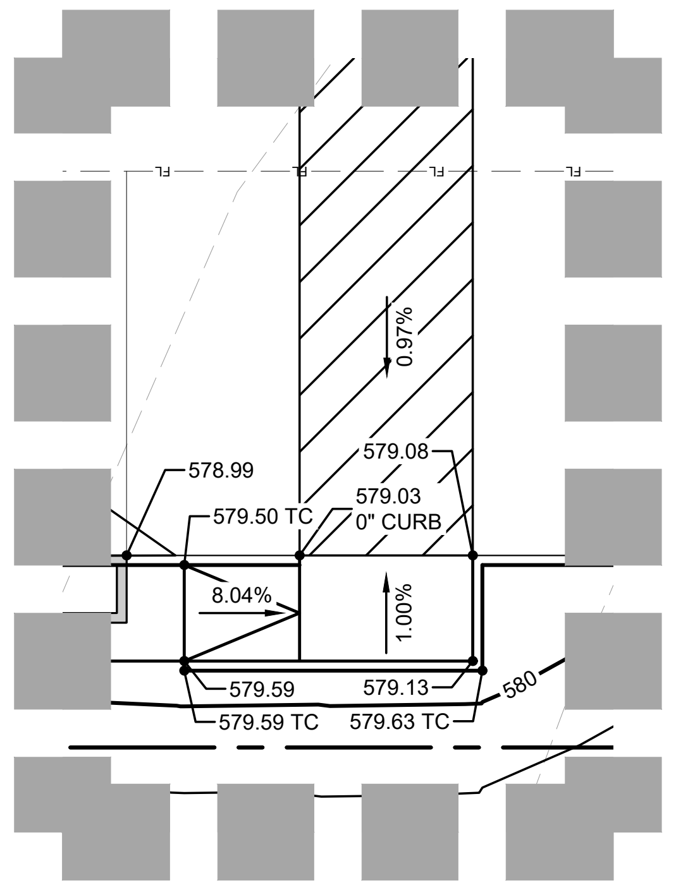
DETAIL J
SCALE 1" = 10'

NORTH


573.15
573.15
573.15
574
575
8.27%
576
577
574.58
573.63
577.66 TW
1.61%
577.06 FF
577.78 FF
577.75 FF
573.77 BW
577.77 FF

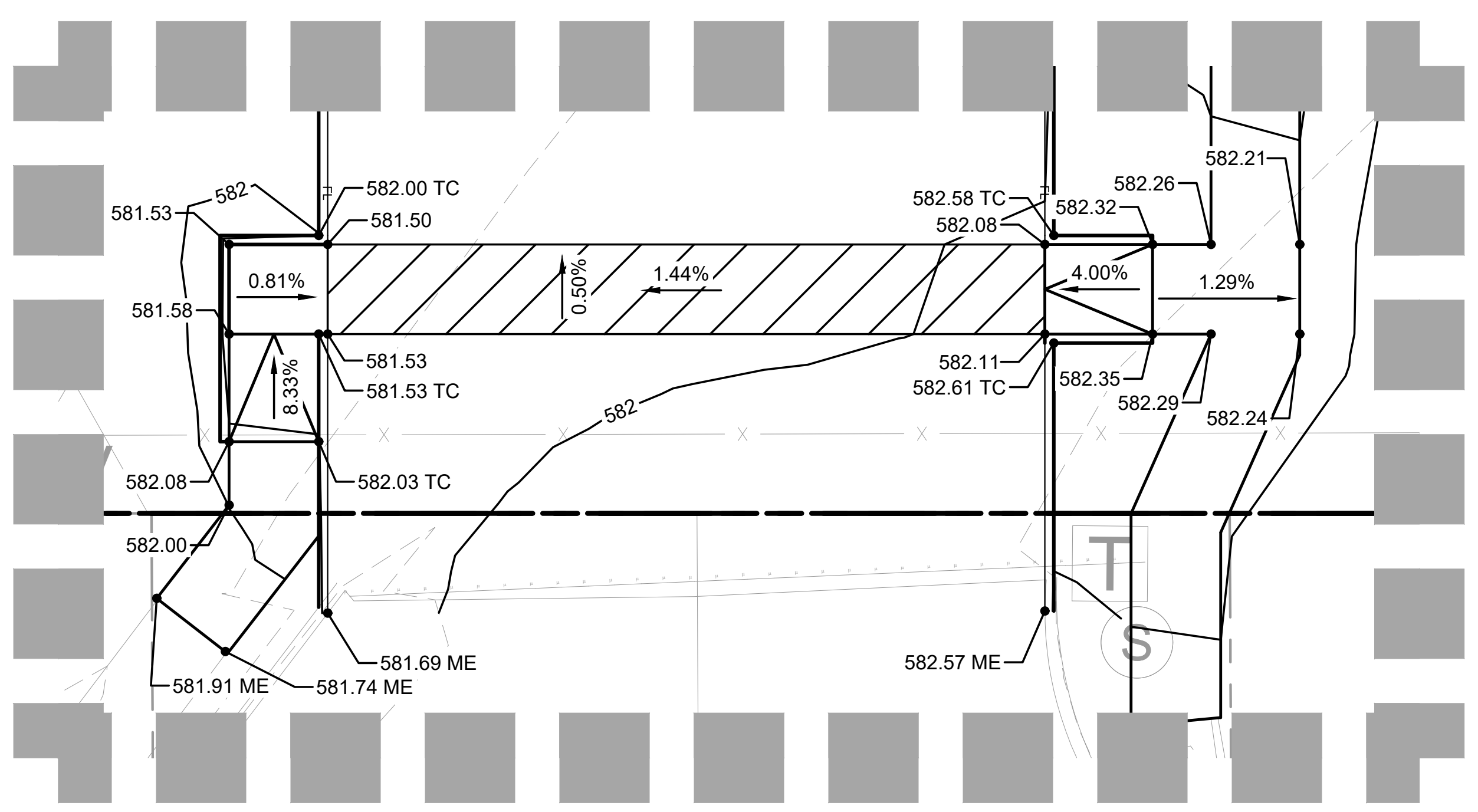
DETAIL K
SCALE 1" = 10'

NORTH


0.97%
579.08
579.03
0" CURB
578.99
579.50 TC
8.04%
1.00%
579.59
579.13
580
579.59 TC
579.63 TC

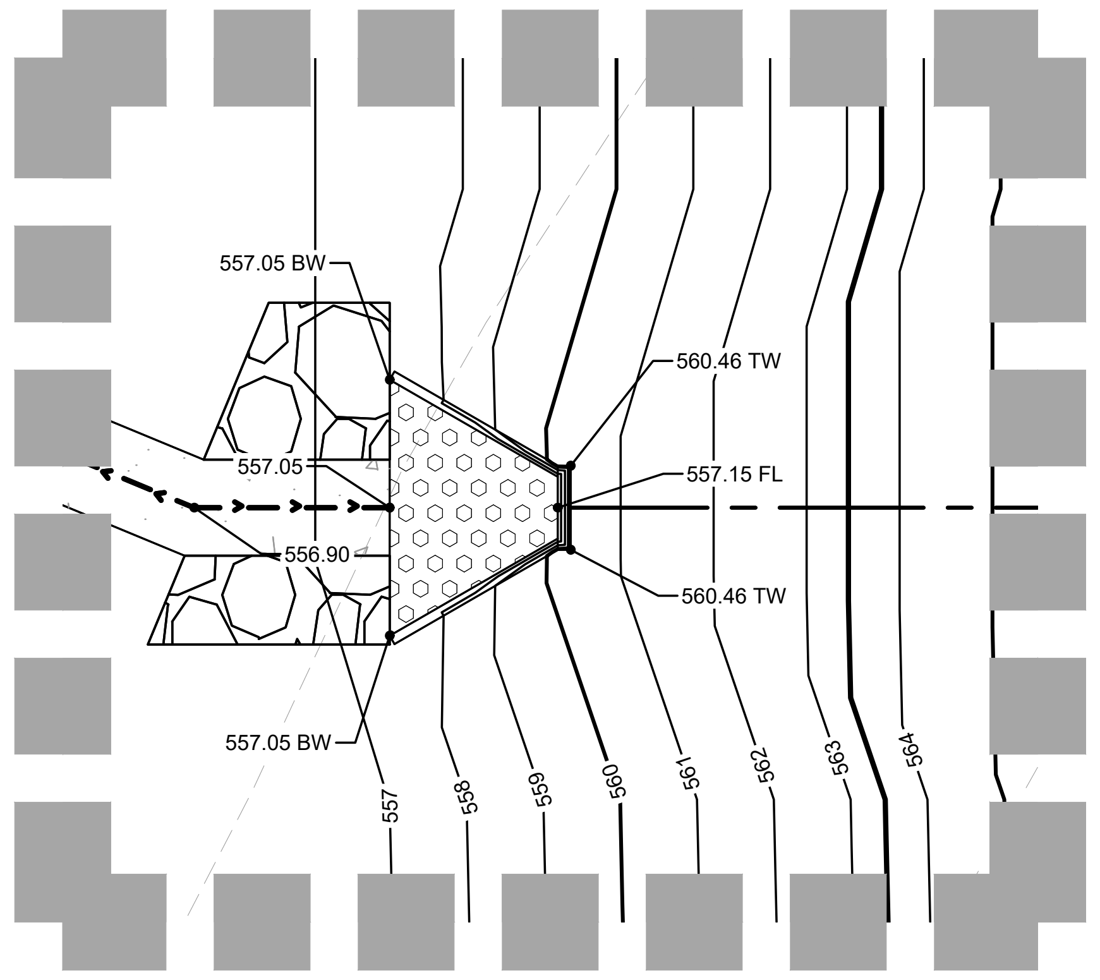
DETAIL L
SCALE 1" = 10'

NORTH


581.53
582
582.00 TC
581.50
582.58 TC
582.08
582.32
582.26
582.21
581.58
0.81%
0.50%
1.44%
4.00%
1.29%
8.33%
581.53
581.53 TC
582.11
582.61 TC
582.35
582.29
582.24
582
582.08
582.03 TC
582.00
581.91 ME
581.74 ME
581.69 ME
582.57 ME

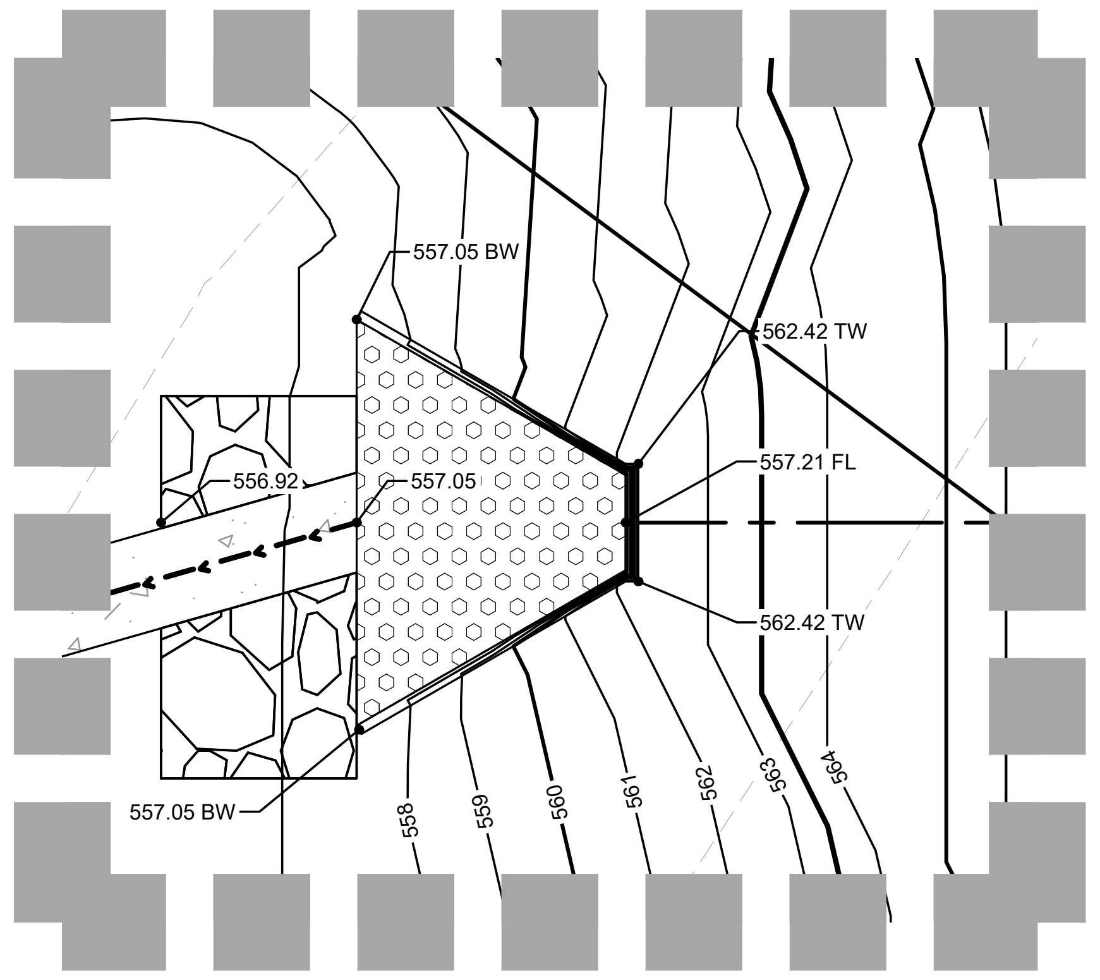
DETAIL M
SCALE 1" = 10'

NORTH


557.05 BW
557.05
556.90
560.46 TW
557.15 FL
560.46 TW
557.05 BW
557
558
559
560
561
562
563
564

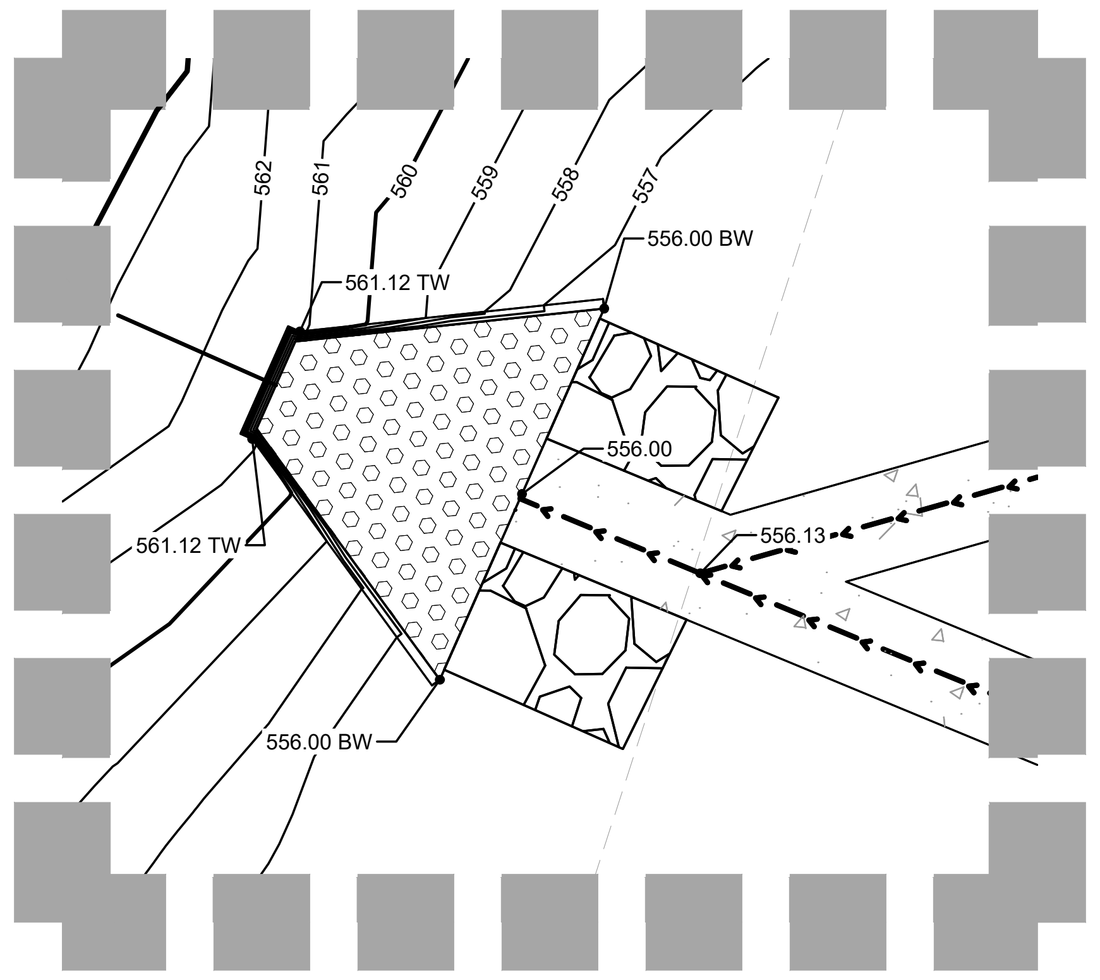
DETAIL N
SCALE 1" = 10'

NORTH


557.05 BW
562.42 TW
557.21 FL
556.92
557.05
562.42 TW
557.05 BW
558
559
560
561
562
563
564

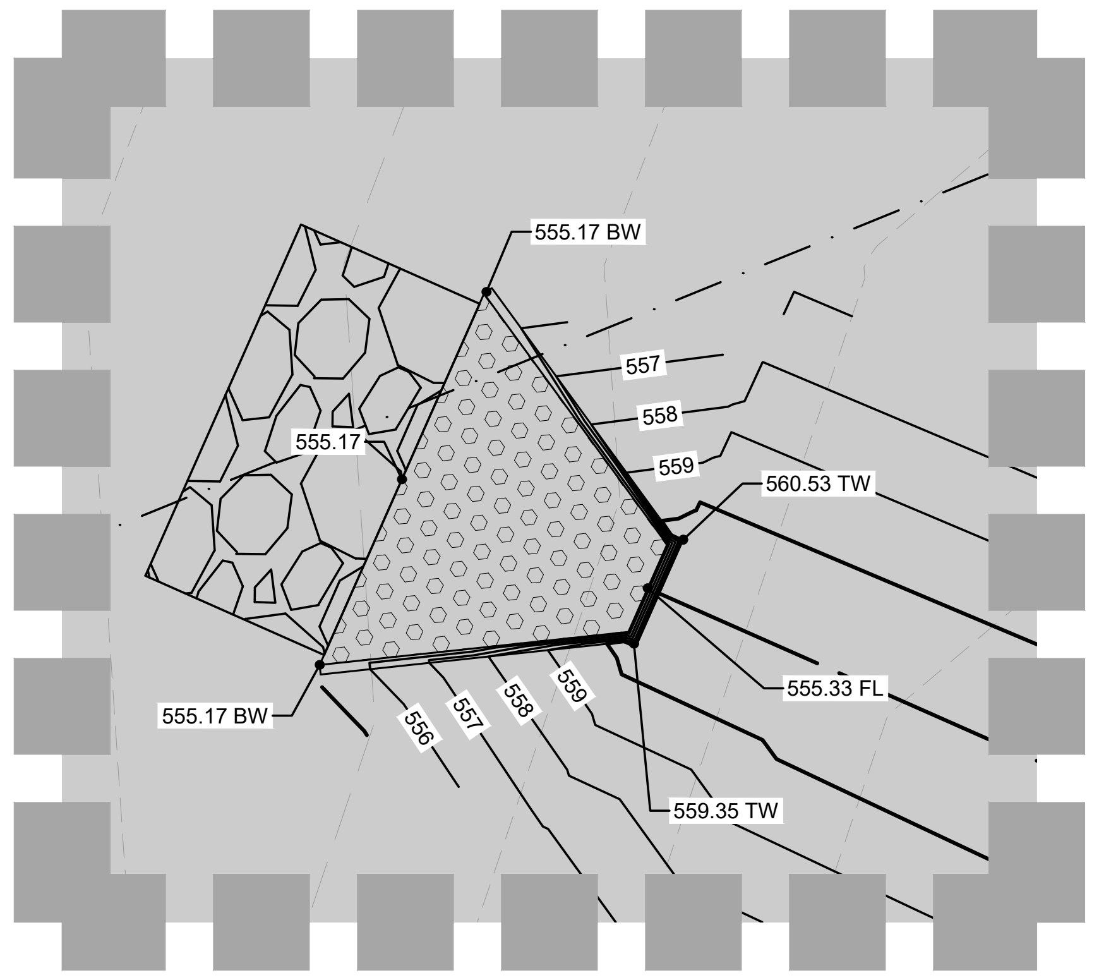
DETAIL O
SCALE 1" = 10'

NORTH


562
561
560
559
558
557
556.00 BW
561.12 TW
556.00
556.13
561.12 TW
556.00 BW

DETAIL P
SCALE 1" = 10'

NORTH


555.17 BW
557
558
559
560.53 TW
555.17
555.33 FL
555.17 BW
556
557
558
559
559.35 TW

DETAIL Q
SCALE 1" = 10'

NORTH

LEGEND	
PROPERTY LINE	— — —
PROPOSED CONTOUR	
EXISTING CONTOUR	- - -
PROPOSED RIDGE LINE	— R — R — R —
PROPOSED STORM DRAIN PIPE	═══
SWALE	— < — < — < —
TOP OF PAVEMENT ELEVATION	●— 540
TOP OF CURB ELEVATION	●— 540, TC
PAVEMENT ELEVATION AT GUTTER LINE OF INLET	●— 540, GL INLET
MATCH TO EXISTING ELEVATION	●— 540, ME
ELEVATION AT TOP OF GRATE	●— 540, TG
ELEVATION AT FINISHED GROUND	●— 540, FG
ELEVATION AT FINISHED FLOOR	●— 540, FF
ELEVATION AT FLOW LINE	●— 540, FL
FLOW DIRECTION OF ROOF	⇦

NOTES

1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS, THE FINAL GEOTECHNIAL REPORT AND ALL ISSUED ADDENDUMS, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
2. ALL GRADING SPOTS SHOWN REFERENCE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER SLOPE LABELS AT ALL TIMES.
3. THE MINIMUM SLOPE OF ALL GRASSED AREAS SHALL BE 1%. MAXIMUM SLOPE OF ALL GRASSED OR OTHERWISE VEGETATED AREAS SHALL BE 25%. ALL SITE DISTURBED AREAS SHALL BE STABILIZED PER THE EROSION CONTROL PLAN, THE CITY STANDARDS, AND THE SWPPP.
4. ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE.
5. CONTRACTOR TO VERIFY T.A.S. COMPLIANCE. FOR ANY QUESTIONS CONTACT OWNER/ARCHITECT IMMEDIATELY.
6. CONTRACTOR TO VERIFY ENGINEERING PLANS MATCH ARCHITECTURAL PLANS BEFORE CONSTRUCTION STAKING.
7. GRADES IN ACCESSIBILITY ROUTING, INCLUDING CROSSING DRIVEWAYS, SHALL CONFORM TO T.A.S. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE.
8. PRIOR TO BEGINNING CONSTRUCTION, OWNER/CONTRACTOR TO HAVE ALL CONSTRUCTION DOCUMENTS REVIEWED AND APPROVED BY T.A.S. CONSULTANT.
9. FOLLOWING CONSTRUCTION, OWNER/CONTRACTOR TO HAVE ALL CONSTRUCTION REVIEWED AND APPROVED BY T.A.S. COMPLIANCE CONSULTANT.
10. SEE STORM CURB INLET SECTION GUTTERLINE PER THIS SHEET FOR RELATIONSHIP OF NORMAL GUTTERLINE (PER PLAN) TO THROAT ELEVATION (PER DETAIL).
11. ALL TREES, STUMPS, BRUSH, GRASSES AND SURFACE ORGANICS ARE TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED ON THE LANDSCAPE PLAN. TREE REMOVAL PERMITS (IF APPLICABLE) SHALL BE OBTAINED BY THE OWNER OR THE CONTRACTOR PRIOR TO COMMENCEMENT OF GRADING.
12. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER THE PLANS AND MAINTAIN STREETS FREE OF MUD, DIRT AND DEBRIS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. SEE EROSION CONTROL SHEET C-603 FOR SPECIFIC DETAILS AND REQUIREMENTS.
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WWW.KIMLEY-HORN.COM TX F-928

STATE OF TEXAS
DYLAN S. ADAME
138132
LICENSED PROFESSIONAL ENGINEER
Dylan Adame
05/18/2023

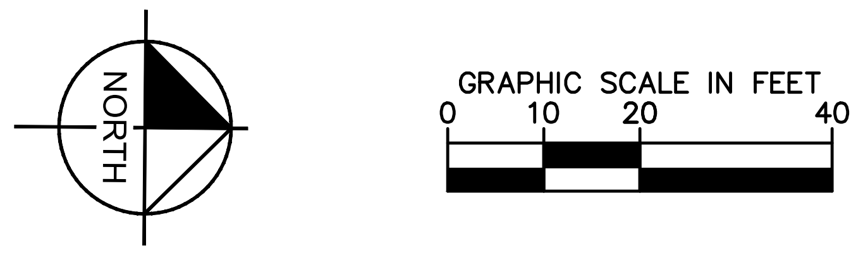
KHA PROJECT 068213100	
DATE MAY 2023	
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

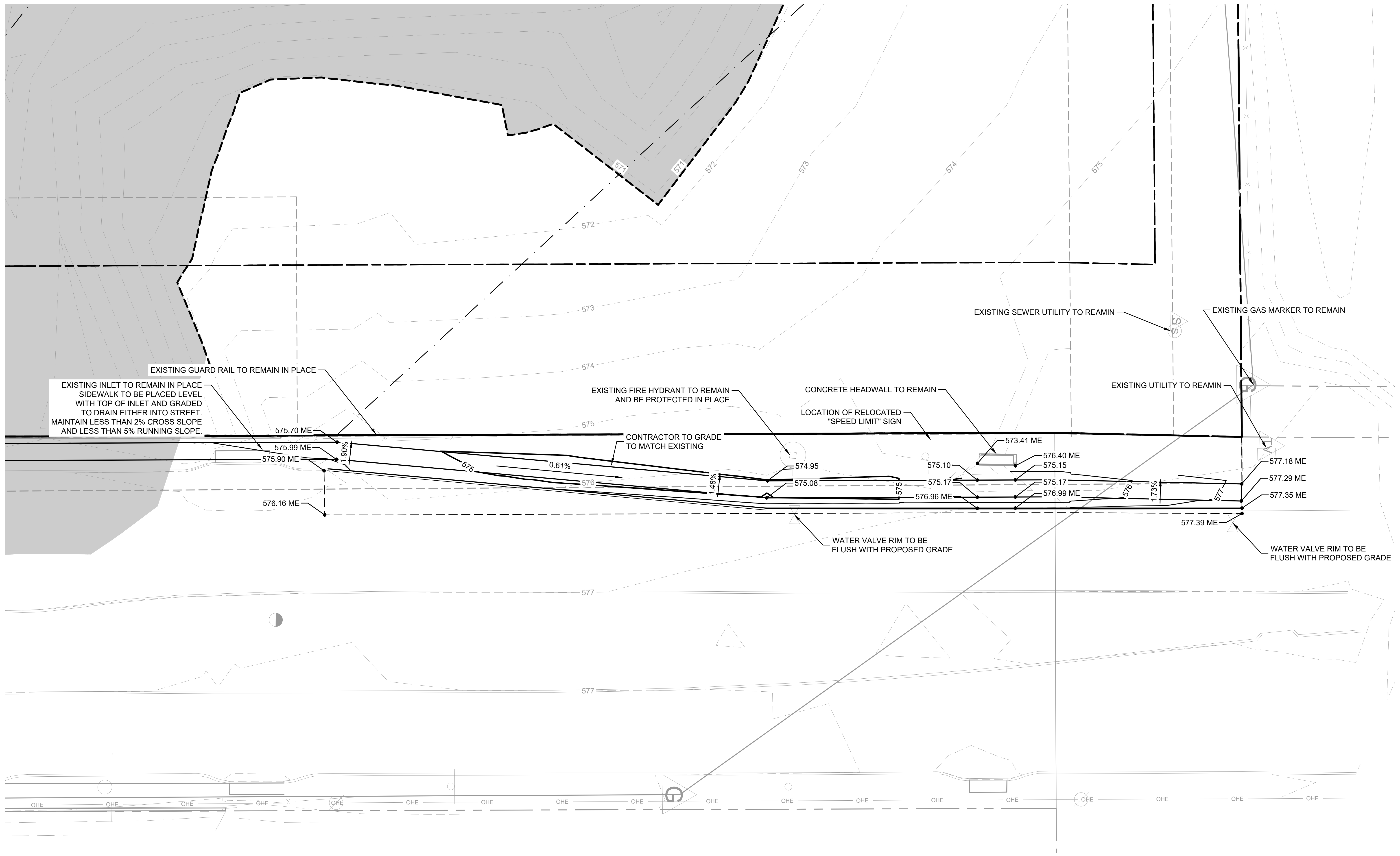
GRADING DETAILS
(2 OF 2)

SHEET NUMBER
C-204

CITY FILE NO. SP2023-006


NORTH
GRAPHIC SCALE IN FEET
0
10
20
40

LEGEND	
PROPERTY LINE	— — —
PROPOSED CONTOUR	
EXISTING CONTOUR	
PROPOSED RIDGE LINE	— R — R — R
PROPOSED STORM DRAIN PIPE	
SWALE	— < — < — <
TOP OF PAVEMENT ELEVATION	●— 540
TOP OF CURB ELEVATION	●— 540, TC
PAVEMENT ELEVATION AT GUTTER LINE OF INLET	●— 540, GL INLET
MATCH TO EXISTING ELEVATION	●— 540, ME
ELEVATION AT TOP OF GRATE	●— 540, TG
ELEVATION AT FINISHED GROUND	●— 540, FG
ELEVATION AT FINISHED FLOOR	●— 540, FF
ELEVATION AT FLOW LINE	●— 540, FL
FLOW DIRECTION OF ROOF	⇦


571
571
572
572
573
573
574
574
575
575
575
575
575
576
576
576
577
577
577
EXISTING GUARD RAIL TO REMAIN IN PLACE
EXISTING INLET TO REMAIN IN PLACE SIDEWALK TO BE PLACED LEVEL WITH TOP OF INLET AND GRADED TO DRAIN EITHER INTO STREET. MAINTAIN LESS THAN 2% CROSS SLOPE AND LESS THAN 5% RUNNING SLOPE.
575.70 ME
575.99 ME
575.90 ME
576.16 ME
1.90%
0.61%
1.48%
1.73%
EXISTING FIRE HYDRANT TO REMAIN AND BE PROTECTED IN PLACE
CONTRACTOR TO GRADE TO MATCH EXISTING
574.95
575.08
CONCRETE HEADWALL TO REMAIN
LOCATION OF RELOCATED "SPEED LIMIT" SIGN
573.41 ME
576.40 ME
575.10
575.15
575.17
575.17
576.96 ME
576.99 ME
EXISTING SEWER UTILITY TO REAMIN
EXISTING GAS MARKER TO REMAIN
EXISTING UTILITY TO REAMIN
577.18 ME
577.29 ME
577.35 ME
577.39 ME
WATER VALVE RIM TO BE FLUSH WITH PROPOSED GRADE
WATER VALVE RIM TO BE FLUSH WITH PROPOSED GRADE
OHE

NOTES

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13. ALL SITE DISTURBED AREAS SHALL BE STABILIZED PER THE EROSION CONTROL PLAN, THE CITY STANDARDS, AND THE SWPPP.
14. ALL WALLS TO BE ROCK OR STONE. ALL WALLS 3' OR TALLER TO BE ENGINEERED. NO WALLS IN EASEMENTS.

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

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STATE OF TEXAS
DYLAN S. ADAME
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LICENSED PROFESSIONAL ENGINEER
Dylan Adame
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

GRADING DETAIL
(3 OF 3)

SHEET NUMBER
C-205

CITY FILE NO. SP2023-006

IMAGES McKinney Trash Rack Detail71db5d12 : DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xKeymap : oSurfFG : zSections
LAST SAVED 5/11/2023 2:45 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:05 PM
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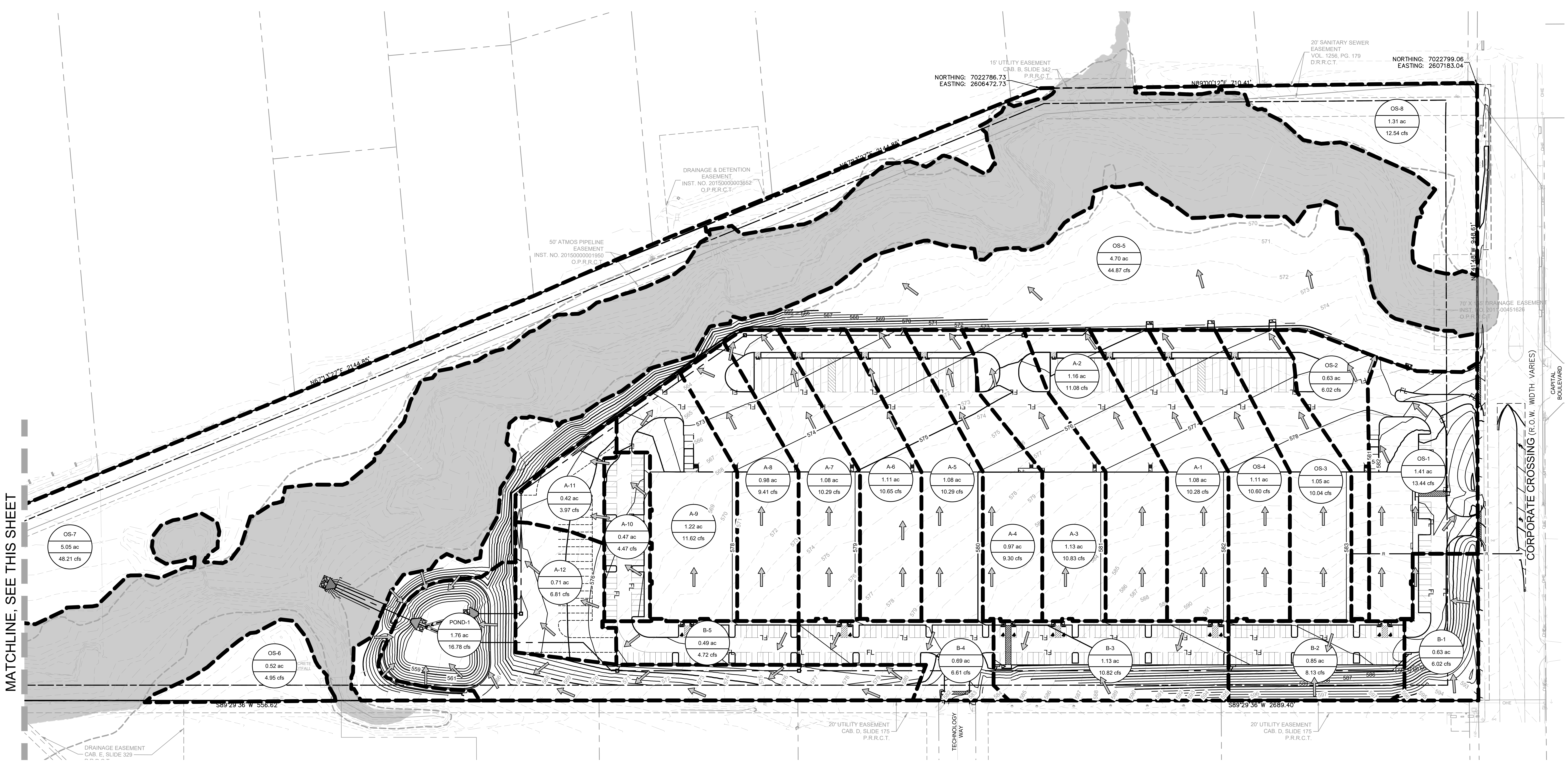
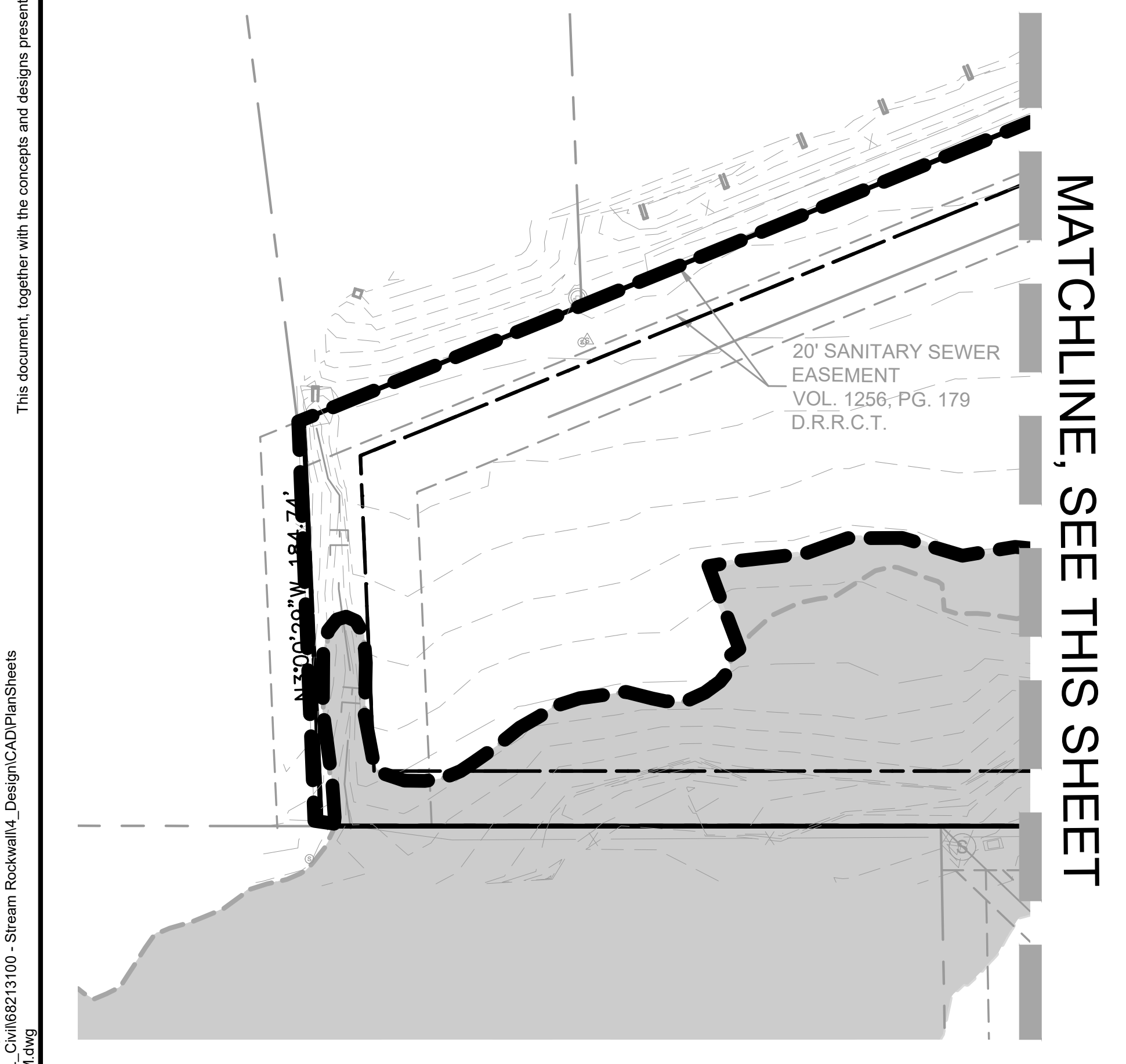
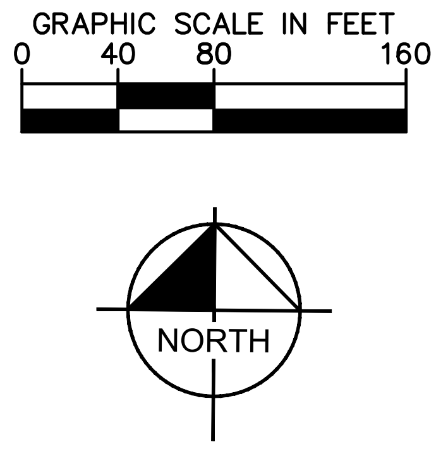
DWG NAME C-GRAD.dwg


MATCHLINE, SEE THIS SHEET
NORTHING: 7022786.73
EASTING: 2606472.73
15' UTILITY EASEMENT
CAB. B, SLIDE 342
P.R.R.C.T.
N89°00'12"E 710.41'
20' SANITARY SEWER
EASEMENT
VOL. 1256, PG. 179
D.R.R.C.T.
NORTHING: 7022799.06
EASTING: 2607183.04
DRAINAGE & DETENTION
EASEMENT
INST. NO. 20150000003652
O.P.R.R.C.T.
N67°17'27"E 2144.85'
50' ATMOS PIPELINE
EASEMENT
INST. NO. 20150000001950
O.P.R.R.C.T.
70' X 145' DRAINAGE EASEMENT
INST. NO. 2011-00451626
O.P.R.R.C.T.
N01°41'48"W 948.61'
CORPORATE CROSSING (R.O.W. WIDTH VARIES)
CAPITAL BOULEVARD
TECHNOLOGY WAY
S89°29'36"W 556.62'
S89°29'36"W 2689.40'
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
DRAINAGE EASEMENT
CAB. E, SLIDE 329
OS-8 1.31 ac 12.54 cfs
OS-5 4.70 ac 44.87 cfs
OS-7 5.05 ac 48.21 cfs
OS-6 0.52 ac 4.95 cfs
OS-2 0.63 ac 6.02 cfs
OS-1 1.41 ac 13.44 cfs
OS-3 1.05 ac 10.04 cfs
OS-4 1.11 ac 10.60 cfs
A-1 1.08 ac 10.28 cfs
A-2 1.16 ac 11.08 cfs
A-3 1.13 ac 10.83 cfs
A-4 0.97 ac 9.30 cfs
A-5 1.08 ac 10.29 cfs
A-6 1.11 ac 10.65 cfs
A-7 1.08 ac 10.29 cfs
A-8 0.98 ac 9.41 cfs
A-9 1.22 ac 11.62 cfs
A-10 0.47 ac 4.47 cfs
A-11 0.42 ac 3.97 cfs
A-12 0.71 ac 6.81 cfs
B-1 0.63 ac 6.02 cfs
B-2 0.85 ac 8.13 cfs
B-3 1.13 ac 10.82 cfs
B-4 0.69 ac 6.61 cfs
B-5 0.49 ac 4.72 cfs
POND-1 1.76 ac 16.78 cfs
FL


MATCHLINE, SEE THIS SHEET
20' SANITARY SEWER
EASEMENT
VOL. 1256, PG. 179
D.R.R.C.T.


GRAPHIC SCALE IN FEET
0
40
80
160
NORTH

RUNOFF CALCULATIONS (FULLY DEVELOPED CONDITIONS)						
Drainage Area	Area (Acres)	Runoff Coeff. "C"	Time of Conc. (Min)	I_{100} (IN/HR.)	Q_{100} (cfs)	COMMENTS
SYSTEM A						
A1	1.08	0.9	10	9.8	10.28	DRAINS TO 10' CURB INLET
A2	1.16	0.9	10	9.8	11.08	DRAINS TO 10' CURB INLET
A3	1.13	0.9	10	9.8	10.83	DRAINS TO 10' CURB INLET
A4	0.97	0.9	10	9.8	9.30	DRAINS TO 10' CURB INLET
A5	1.08	0.9	10	9.8	10.28	DRAINS TO 10' CURB INLET
A6	1.11	0.9	10	9.8	10.65	DRAINS TO 10' CURB INLET
A7	1.08	0.9	10	9.8	10.29	DRAINS TO 10' CURB INLET
A8	0.98	0.9	10	9.8	9.41	DRAINS TO 10' CURB INLET
A9	1.22	0.9	10	9.8	11.62	DRAINS TO 10' CURB INLET
A10	0.47	0.9	10	9.8	4.47	DRAINS TO 10' CURB INLET
A11	0.42	0.9	10	9.8	3.97	DRAINS TO 3X3 DROP INLET
A12	0.71	0.9	10	9.8	6.81	DRAINS TO 3X3 DROP INLET
SYSTEM B						
B1	0.53	0.9	10	9.8	5.05	DRAINS TO 10' CURB INLET
B2	0.85	0.9	10	9.8	8.13	DRAINS TO 10' CURB INLET
B3	1.13	0.9	10	9.8	10.82	DRAINS TO 10' CURB INLET
B4	0.69	0.9	10	9.8	6.61	DRAINS TO 10' CURB INLET
B5	0.49	0.9	10	9.8	4.72	DRAINS TO 10' CURB INLET
OFF SITE						
OS5	4.70	0.9	10	9.8	44.87	DRAINS TO FLOODPLAIN BYPASS
OS6	0.52	0.9	10	9.8	4.95	DRAINS TO FLOODPLAIN BYPASS
OS7	5.05	0.9	10	9.8	48.21	DRAINS TO FLOODPLAIN BYPASS
OS8	1.31	0.9	10	9.8	12.54	DRAINS TO FLOODPLAIN BYPASS
POND						
POND-1	1.76	0.9	10	9.8	16.78	DRAINS TO POND

DRAINAGE KEY

D3 0.78 6.12 cfs	DRAINAGE AREA NUMBER DRAINAGE AREA 100-YEAR FLOW
───	PROPOSED CONTOURS
───	EXISTING CONTOURS
▬ ▬ ▬	PROPOSED DRAINAGE AREA BOUNDARY
⇨	FLOW DIRECTION
— - —	PROPERTY LINE

NOTES

1. REFERENCE STREAM ROCKWALL DRAINAGE STUDY BY KIMLEY-HORN DATED 9/15/2021.

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

WARNING: EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS AND ABOVE GROUND FIELD SURVEY DATA, THEREFORE THERE MAY BE UTILITIES PRESENT THAT ARE NOT SHOWN ON THESE CONSTRUCTION PLANS. CONTRACTOR TO FIELD VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND USE CAUTION DURING CONSTRUCTION. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES.

811 Know what's **below.**
Call before you dig.

No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME
138132
05/11/2023

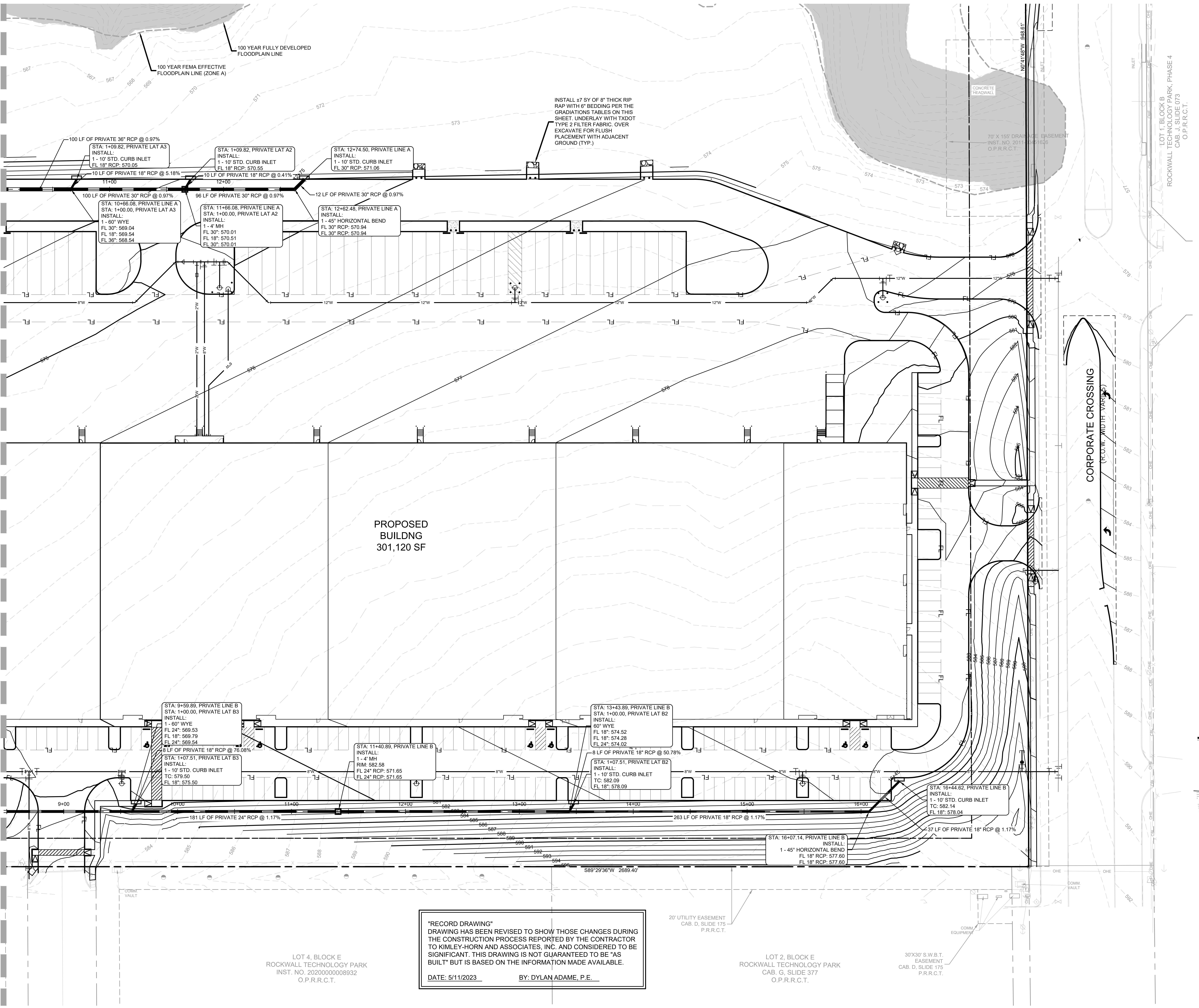
KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

PROPOSED DRAINAGE AREA MAP

SHEET NUMBER
C-303

CITY FILE NO. SP2023-006


100 YEAR FULLY DEVELOPED FLOODPLAIN LINE
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
INSTALL ±7 SY OF 8" THICK RIP RAP WITH 6" BEDDING PER THE GRADIATIONS TABLES ON THIS SHEET. UNDERLAY WITH TXDOT TYPE 2 FILTER FABRIC. OVER EXCAVATE FOR FLUSH PLACEMENT WITH ADJACENT GROUND (TYP.)
100 LF OF PRIVATE 36" RCP @ 0.97%
STA: 1+09.82, PRIVATE LAT A3 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 570.05
10 LF OF PRIVATE 18" RCP @ 5.18%
STA: 1+09.82, PRIVATE LAT A2 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 570.55
10 LF OF PRIVATE 18" RCP @ 0.41%
STA: 12+74.50, PRIVATE LINE A INSTALL: 1 - 10' STD. CURB INLET FL 30" RCP: 571.06
100 LF OF PRIVATE 30" RCP @ 0.97%
96 LF OF PRIVATE 30" RCP @ 0.97%
12 LF OF PRIVATE 30" RCP @ 0.97%
STA: 10+66.08, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A3 INSTALL: 1 - 60° WYE FL 30": 569.04 FL 18": 569.54 FL 36": 568.54
STA: 11+66.08, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A2 INSTALL: 1 - 4' MH FL 30": 570.01 FL 18": 570.51 FL 30": 570.01
STA: 12+62.48, PRIVATE LINE A INSTALL: 1 - 45° HORIZONTAL BEND FL 30" RCP: 570.94 FL 30" RCP: 570.94
11+00
12+00
CONCRETE HEADWALL
70' X 155' DRAINAGE EASEMENT INST. NO. 2011-00451626 O.P.R.R.C.T.
N0°41'48"W 948.61'
INLET
LOT 1, BLOCK B ROCKWALL TECHNOLOGY PARK, PHASE 4 CAB. J, SLIDE 073 O.P.R.R.C.T.
CORPORATE CROSSING (R.O.W. WIDTH VARIES)
MATCHLINE, SEE SHEET C-305
PROPOSED BUILDING 301,120 SF
STA: 9+59.89, PRIVATE LINE B STA: 1+00.00, PRIVATE LAT B3 INSTALL: 1 - 60° WYE FL 24": 569.53 FL 18": 569.79 FL 24": 569.54
8 LF OF PRIVATE 18" RCP @ 76.08%
STA: 1+07.51, PRIVATE LAT B3 INSTALL: 1 - 10' STD. CURB INLET TC: 579.50 FL 18": 575.50
STA: 11+40.89, PRIVATE LINE B INSTALL: 1 - 4' MH RIM: 582.58 FL 24" RCP: 571.65 FL 24" RCP: 571.65
STA: 13+43.89, PRIVATE LINE B STA: 1+00.00, PRIVATE LAT B2 INSTALL: 60° WYE FL 18": 574.52 FL 18": 574.28 FL 24": 574.02
8 LF OF PRIVATE 18" RCP @ 50.78%
STA: 1+07.51, PRIVATE LAT B2 INSTALL: 1 - 10' STD. CURB INLET TC: 582.09 FL 18": 578.09
181 LF OF PRIVATE 24" RCP @ 1.17%
263 LF OF PRIVATE 18" RCP @ 1.17%
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
STA: 16+44.62, PRIVATE LINE B INSTALL: 1 - 10' STD. CURB INLET TC: 582.14 FL 18": 578.04
37 LF OF PRIVATE 18" RCP @ 1.17%
STA: 16+07.14, PRIVATE LINE B INSTALL: 1 - 45° HORIZONTAL BEND FL 18" RCP: 577.60 FL 18" RCP: 577.60
S89°29'36"W 2689.40'
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
COMM. EQUIPMENT
COMM VAULT
30'X30' S.W.B.T. EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 4, BLOCK E ROCKWALL TECHNOLOGY PARK INST. NO. 20200000008932 O.P.R.R.C.T.
LOT 2, BLOCK E ROCKWALL TECHNOLOGY PARK CAB. G, SLIDE 377 O.P.R.R.C.T.
FL
8"W
12"W
OHE

"RECORD DRAWING"
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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND	
PROPERTY LINE	— — —
PROPOSED FIRE LANE	FL FL
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - -
PROPOSED EASEMENT	- - - -
PROPOSED WATER LINE	W W
PROPOSED SANITARY SEWER LINE	SS SS
EXISTING FENCE LINE	X X
EXISTING WATER LINE	W W
EXISTING SANITARY SEWER LINE	8"SS
EXISTING STORM DRAIN LINE	═ ═
EXISTING OVERHEAD ELECTRIC LINE	OHE OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE UGE
100 YEAR FLOOD PLANE	▨

NOTES
1. ALL STORM LINES ARE PRIVATE.

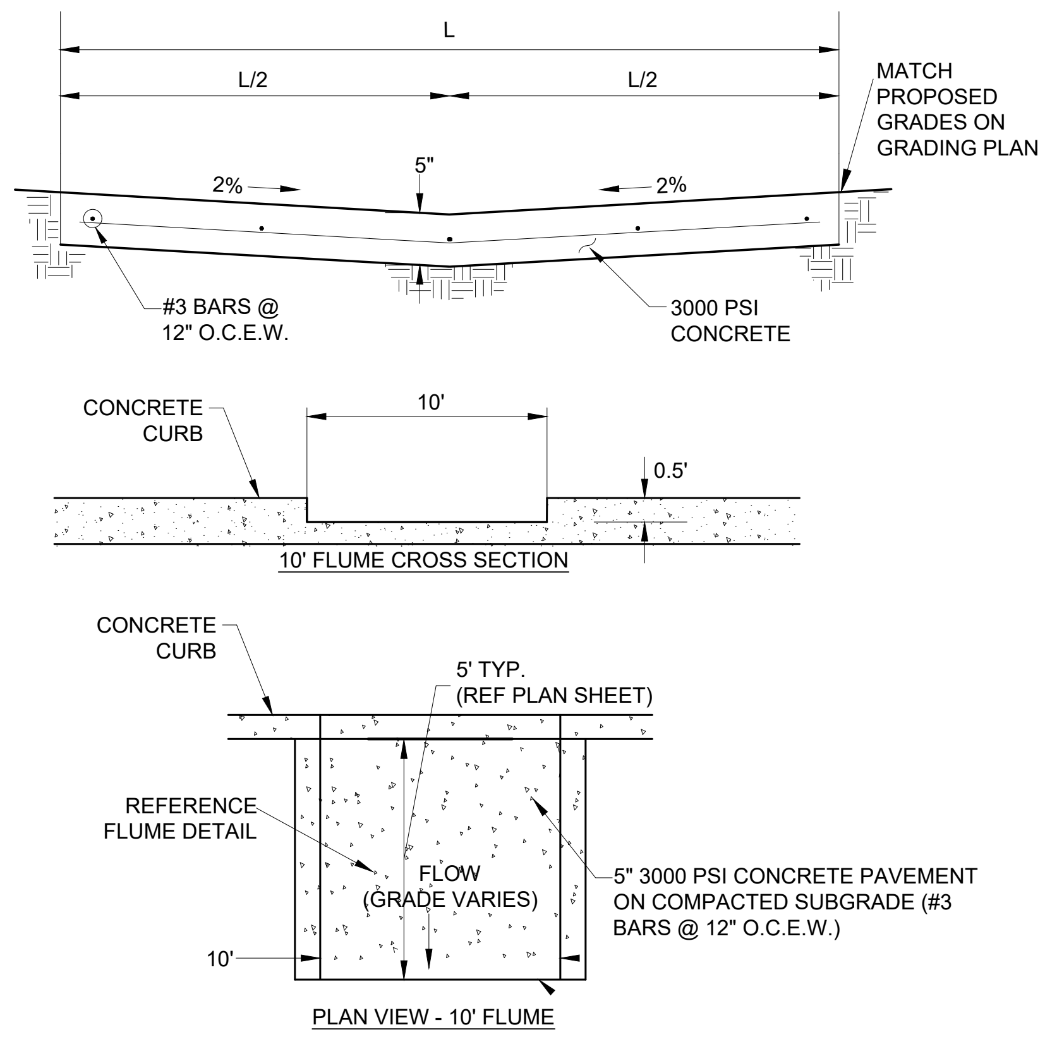
RIPRAP GRADATIONS
8" THICKNESS OF RIPRAP

SIEVE SIZE SQUARE MESH	PERCENT PASSING
10 INCH	100
8 INCH	70 - 100
6 INCH	50 - 75
3 INCH	20 - 40
1-1/2 INCH	0 - 15

BEDDING GRADATIONS
6" THICKNESS OF BEDDING

SIEVE SIZE SQUARE MESH	PERCENT PASSING
3 INCH	100
1-1/2 INCH	55 - 100
3/4 INCH	25 - 60
3/8 INCH	5 - 30
No. 4	0 - 10

RIPRAP GRADATION TABLES


L
L/2
L/2
MATCH PROPOSED GRADES ON GRADING PLAN
5"
2%
2%
#3 BARS @ 12" O.C.E.W.
3000 PSI CONCRETE
CONCRETE CURB
10'
0.5'
10' FLUME CROSS SECTION
CONCRETE CURB
5' TYP. (REF PLAN SHEET)
REFERENCE FLUME DETAIL
FLOW (GRADE VARIES)
5" 3000 PSI CONCRETE PAVEMENT ON COMPACTED SUBGRADE (#3 BARS @ 12" O.C.E.W.)
10'
PLAN VIEW - 10' FLUME

CONCRETE FLUME DETAIL
NOT TO SCALE

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

DYLAN S. ADAME
138132
05/11/2023

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

No.	REVISIONS	DATE

STORM PLAN (1 OF 2)

SHEET NUMBER
C-304

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
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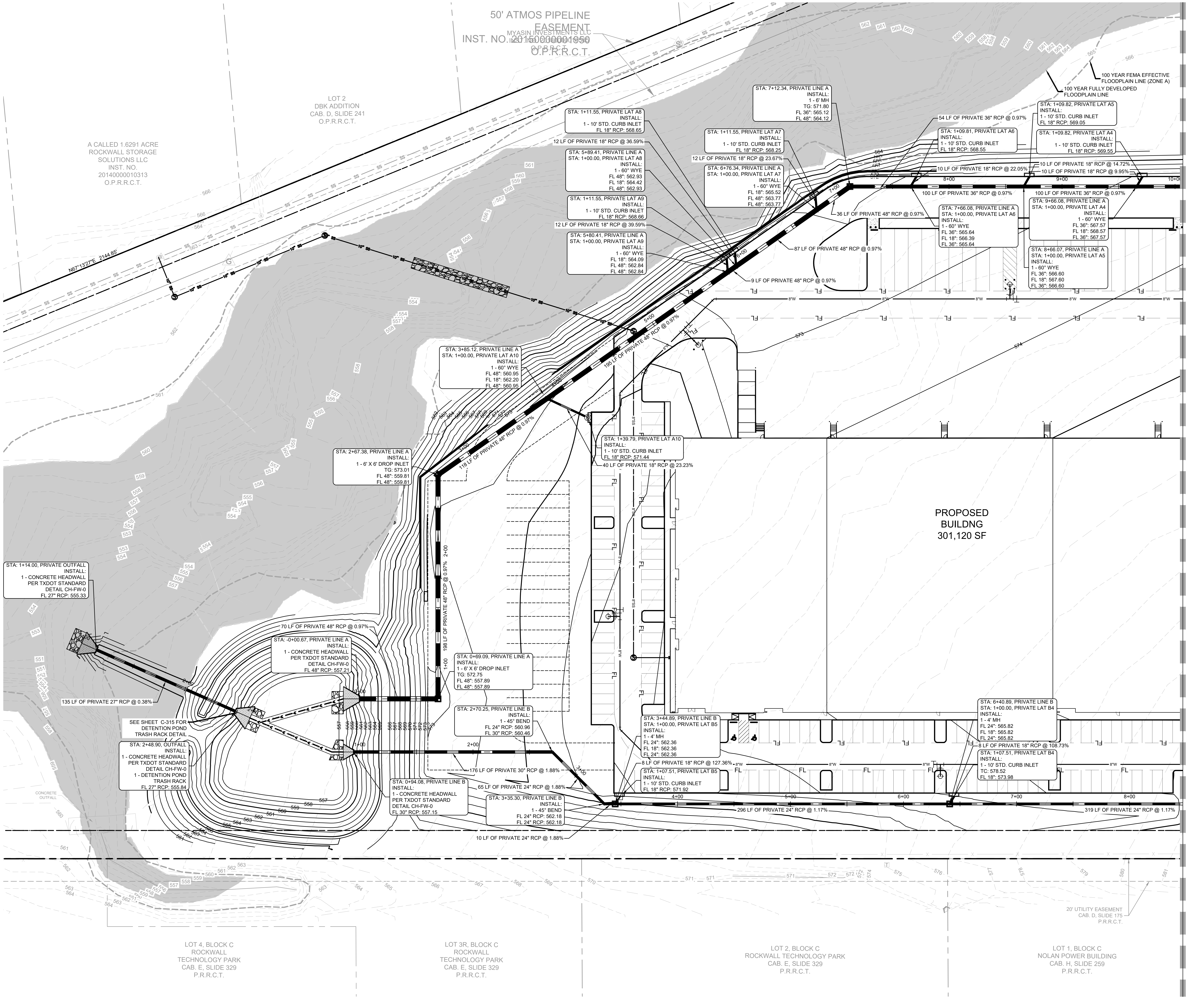
DWG NAME C-STRM.dwg


50' ATMOS PIPELINE EASEMENT
INST. NO. 20150000001950
O.P.R.R.C.T.
MYASIN INVESTMENTS LLC
LOT 2
DBK ADDITION
CAB. D, SLIDE 241
O.P.R.R.C.T.
A CALLED 1.6291 ACRE
ROCKWALL STORAGE
SOLUTIONS LLC
INST. NO.
20140000010313
O.P.R.R.C.T.
N67°13'27"E 2144.85'
10" SS
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
100 YEAR FULLY DEVELOPED FLOODPLAIN LINE
STA: 7+12.34, PRIVATE LINE A INSTALL: 1 - 6' MH TG: 571.80 FL 36": 565.12 FL 48": 564.12
STA: 1+11.55, PRIVATE LAT A8 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 568.65
12 LF OF PRIVATE 18" RCP @ 36.59%
STA: 5+89.41, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A8 INSTALL: 1 - 60° WYE FL 48": 562.93 FL 18": 564.42 FL 48": 562.93
STA: 1+11.55, PRIVATE LAT A9 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 568.66
12 LF OF PRIVATE 18" RCP @ 39.59%
STA: 5+80.41, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A9 INSTALL: 1 - 60° WYE FL 18": 564.09 FL 48": 562.84 FL 48": 562.84
STA: 1+11.55, PRIVATE LAT A7 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 568.25
12 LF OF PRIVATE 18" RCP @ 23.67%
STA: 6+76.34, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A7 INSTALL: 1 - 60° WYE FL 18": 565.52 FL 48": 563.77 FL 48": 563.77
36 LF OF PRIVATE 48" RCP @ 0.97%
87 LF OF PRIVATE 48" RCP @ 0.97%
9 LF OF PRIVATE 48" RCP @ 0.97%
54 LF OF PRIVATE 36" RCP @ 0.97%
STA: 1+09.81, PRIVATE LAT A6 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 568.55
10 LF OF PRIVATE 18" RCP @ 22.05%
STA: 1+09.82, PRIVATE LAT A5 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 569.05
STA: 1+09.82, PRIVATE LAT A4 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 569.55
10 LF OF PRIVATE 18" RCP @ 14.72%
10 LF OF PRIVATE 18" RCP @ 9.95%
100 LF OF PRIVATE 36" RCP @ 0.97%
100 LF OF PRIVATE 36" RCP @ 0.97%
STA: 7+66.08, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A6 INSTALL: 1 - 60° WYE FL 36": 565.64 FL 18": 566.39 FL 36": 565.64
STA: 9+66.08, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A4 INSTALL: 1 - 60° WYE FL 36": 567.57 FL 18": 568.57 FL 36": 567.57
STA: 8+66.07, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A5 INSTALL: 1 - 60° WYE FL 36": 566.60 FL 18": 567.60 FL 36": 566.60
STA: 3+85.12, PRIVATE LINE A STA: 1+00.00, PRIVATE LAT A10 INSTALL: 1 - 60° WYE FL 48": 560.95 FL 18": 562.20 FL 48": 560.95
195 LF OF PRIVATE 48" RCP @ 0.97%
118 LF OF PRIVATE 48" RCP @ 0.97%
STA: 2+67.38, PRIVATE LINE A INSTALL: 1 - 6' X 6' DROP INLET TG: 573.01 FL 48": 559.81 FL 48": 559.81
STA: 1+39.79, PRIVATE LAT A10 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 571.44
40 LF OF PRIVATE 18" RCP @ 23.23%
PROPOSED BUILDNG 301,120 SF
MATCHLINE, SEE SHEET C-304
198 LF OF PRIVATE 48" RCP @ 0.97%
STA: 1+14.00, PRIVATE OUTFALL INSTALL: 1 - CONCRETE HEADWALL PER TXDOT STANDARD DETAIL CH-FW-0 FL 27" RCP: 555.33
70 LF OF PRIVATE 48" RCP @ 0.97%
STA: -0+00.67, PRIVATE LINE A INSTALL: 1 - CONCRETE HEADWALL PER TXDOT STANDARD DETAIL CH-FW-0 FL 48" RCP: 557.21
STA: 0+69.09, PRIVATE LINE A INSTALL: 1 - 6' X 6' DROP INLET TG: 572.75 FL 48": 557.89 FL 48": 557.89
135 LF OF PRIVATE 27" RCP @ 0.38%
SEE SHEET C-315 FOR DETENTION POND TRASH RACK DETAIL
STA: 2+48.90, OUTFALL INSTALL: 1 - CONCRETE HEADWALL PER TXDOT STANDARD DETAIL CH-FW-0 1 - DETENTION POND TRASH RACK FL 27" RCP: 555.84
CONCRETE OUTFALL
STA: 2+70.25, PRIVATE LINE B INSTALL: 1 - 45° BEND FL 24" RCP: 560.96 FL 30" RCP: 560.46
176 LF OF PRIVATE 30" RCP @ 1.88%
65 LF OF PRIVATE 24" RCP @ 1.88%
STA: 0+94.08, PRIVATE LINE B INSTALL: 1 - CONCRETE HEADWALL PER TXDOT STANDARD DETAIL CH-FW-0 FL 30" RCP: 557.15
STA: 3+35.30, PRIVATE LINE B INSTALL: 1 - 45° BEND FL 24" RCP: 562.18 FL 24" RCP: 562.18
10 LF OF PRIVATE 24" RCP @ 1.88%
STA: 3+44.89, PRIVATE LINE B STA: 1+00.00, PRIVATE LAT B5 INSTALL: 1 - 4' MH FL 24": 562.36 FL 18": 562.36 FL 24": 562.36
8 LF OF PRIVATE 18" RCP @ 127.36%
STA: 1+07.51, PRIVATE LAT B5 INSTALL: 1 - 10' STD. CURB INLET FL 18" RCP: 571.92
296 LF OF PRIVATE 24" RCP @ 1.17%
STA: 6+40.89, PRIVATE LINE B STA: 1+00.00, PRIVATE LAT B4 INSTALL: 1 - 4' MH FL 24": 565.82 FL 18": 565.82 FL 24": 565.82
8 LF OF PRIVATE 18" RCP @ 108.73%
STA: 1+07.51, PRIVATE LAT B4 INSTALL: 1 - 10' STD. CURB INLET TC: 578.52 FL 18": 573.98
319 LF OF PRIVATE 24" RCP @ 1.17%
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 4, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 3R, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 2, BLOCK C ROCKWALL TECHNOLOGY PARK CAB. E, SLIDE 329 P.R.R.C.T.
LOT 1, BLOCK C NOLAN POWER BUILDING CAB. H, SLIDE 259 P.R.R.C.T.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND	
PROPERTY LINE	━━ ━ ━ ━━
PROPOSED FIRE LANE	— FL — FL —
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - - -
PROPOSED EASEMENT	– – – – –
PROPOSED WATER LINE	— W — W —
PROPOSED SANITARY SEWER LINE	— SS — SS —
EXISTING FENCE LINE	— X — X —
EXISTING WATER LINE	— W — W —
EXISTING SANITARY SEWER LINE	— 8"SS —
EXISTING STORM DRAIN LINE	═══
EXISTING OVERHEAD ELECTRIC LINE	— OHE — OHE —
EXISTING UNDERGROUND ELECTRIC LINE	— UGE — UGE —
100 YEAR FLOOD PLANE	▨

NOTES

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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME
138132
LICENSED PROFESSIONAL ENGINEER
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM PLAN (2 OF 2)

SHEET NUMBER
C-305

CITY FILE NO. SP2023-006

"RECORD DRAWING"
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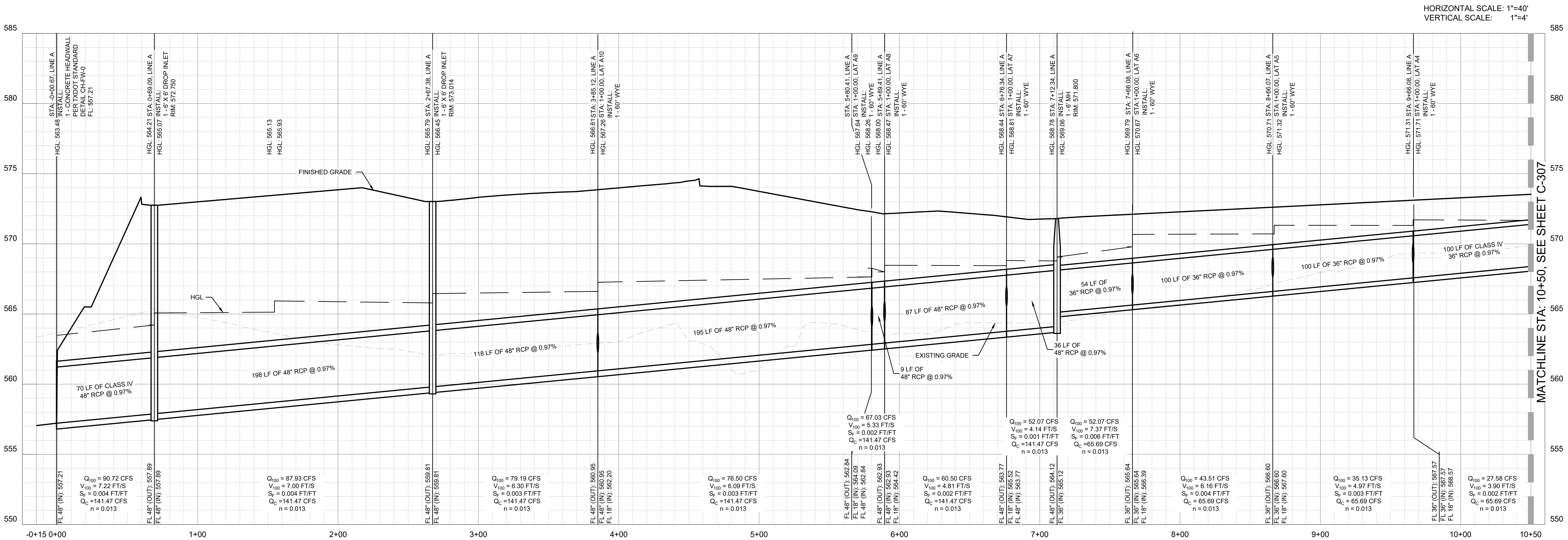
DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
585
580
575
570
565
560
555
550
HGL: 563.48
STA: -0+00.67, LINE A
INSTALL:
1 - CONCRETE HEADWALL
PER TXDOT STANDARD
DETAIL CH-FW-0
FL: 557.21
HGL: 564.21
HGL: 565.07
STA: 0+69.09, LINE A
INSTALL:
1 - 6' X 6' DROP INLET
RIM: 572.750
HGL: 565.13
HGL: 565.93
HGL: 565.79
HGL: 566.45
STA: 2+67.38, LINE A
INSTALL:
1 - 6' X 6' DROP INLET
RIM: 573.014
HGL: 566.61
HGL: 567.26
STA: 3+85.12, LINE A
STA: 1+00.00, LAT A10
INSTALL:
1 - 60° WYE
HGL: 567.64
HGL: 568.26
STA: 5+80.41, LINE A
STA: 1+00.00, LAT A9
INSTALL:
1 - 60° WYE
HGL: 568.00
HGL: 568.47
STA: 5+89.41, LINE A
STA: 1+00.00, LAT A8
INSTALL:
1 - 60° WYE
HGL: 568.44
HGL: 568.81
STA: 6+76.34, LINE A
STA: 1+00.00, LAT A7
INSTALL:
1 - 60° WYE
HGL: 568.78
HGL: 569.06
STA: 7+12.34, LINE A
INSTALL:
1 - 6' MH
RIM: 571.800
HGL: 569.79
HGL: 570.67
STA: 7+66.08, LINE A
STA:1+00.00, LAT A6
INSTALL:
1 - 60° WYE
HGL: 570.71
HGL: 571.32
STA: 8+66.07, LINE A
STA:1+00.00, LAT A5
INSTALL:
1 - 60° WYE
HGL: 571.31
HGL: 571.71
STA: 9+66.08, LINE A
STA:1+00.00, LAT A4
INSTALL:
1 - 60° WYE
FINISHED GRADE
HGL
EXISTING GRADE
70 LF OF CLASS IV 48" RCP @ 0.97%
198 LF OF 48" RCP @ 0.97%
118 LF OF 48" RCP @ 0.97%
195 LF OF 48" RCP @ 0.97%
9 LF OF 48" RCP @ 0.97%
87 LF OF 48" RCP @ 0.97%
36 LF OF 48" RCP @ 0.97%
54 LF OF 36" RCP @ 0.97%
100 LF OF 36" RCP @ 0.97%
100 LF OF 36" RCP @ 0.97%
100 LF OF CLASS IV 36" RCP @ 0.97%
MATCHLINE STA: 10+50, SEE SHEET C-307
Q_{100} = 67.03 CFS
V_{100} = 5.33 FT/S
S_F = 0.002 FT/FT
Q_C =141.47 CFS
n = 0.013
Q_{100} = 52.07 CFS
V_{100} = 4.14 FT/S
S_F = 0.001 FT/FT
Q_C =141.47 CFS
n = 0.013
Q_{100} = 52.07 CFS
V_{100} = 7.37 FT/S
S_F = 0.006 FT/FT
Q_C =65.69 CFS
n = 0.013
FL 48" (IN): 557.21
Q_{100} = 90.72 CFS
V_{100} = 7.22 FT/S
S_F = 0.004 FT/FT
Q_C =141.47 CFS
n = 0.013
FL 48" (OUT): 557.89
FL 48" (IN): 557.89
Q_{100} = 87.93 CFS
V_{100} = 7.00 FT/S
S_F = 0.004 FT/FT
Q_C =141.47 CFS
n = 0.013
FL 48" (OUT): 559.81
FL 48" (IN): 559.81
Q_{100} = 79.19 CFS
V_{100} = 6.30 FT/S
S_F = 0.003 FT/FT
Q_C =141.47 CFS
n = 0.013
FL 48" (OUT): 560.95
FL 48" (IN): 560.95
FL 18" (IN): 562.20
Q_{100} = 76.50 CFS
V_{100} = 6.09 FT/S
S_F = 0.003 FT/FT
Q_C =141.47 CFS
n = 0.013
FL 48" (OUT): 562.84
FL 18" (IN): 564.09
FL 48" (IN): 562.84
FL 48" (OUT): 562.93
FL 48" (IN): 562.93
FL 18" (IN): 564.42
Q_{100} = 60.50 CFS
V_{100} = 4.81 FT/S
S_F = 0.002 FT/FT
Q_C =141.47 CFS
n = 0.013
FL 48" (OUT): 563.77
FL 18" (IN): 565.52
FL 48" (IN): 563.77
FL 48" (OUT): 564.12
FL 36" (IN): 565.12
FL 36" (OUT): 565.64
FL 36" (IN): 565.64
FL 18" (IN): 566.39
Q_{100} = 43.51 CFS
V_{100} = 6.16 FT/S
S_F = 0.004 FT/FT
Q_C = 65.69 CFS
n = 0.013
FL 36" (OUT): 566.60
FL 36" (IN): 566.60
FL 18" (IN): 567.60
Q_{100} = 35.13 CFS
V_{100} = 4.97 FT/S
S_F = 0.003 FT/FT
Q_C = 65.69 CFS
n = 0.013
FL 36" (OUT): 567.57
FL 36" (IN): 567.57
FL 18" (IN): 568.57
Q_{100} = 27.58 CFS
V_{100} = 3.90 FT/S
S_F = 0.002 FT/FT
Q_C = 65.69 CFS
n = 0.013
-0+15 0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
10+50

PRIVATE LINE A
STA. 1+00 TO STA. 10+50

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT 068213100	
DATE MAY 2023	
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM LINE A PROFILE (1 OF 2)

SHEET NUMBER
C-306

CITY FILE NO. SP2023-006

IMAGES DSA :
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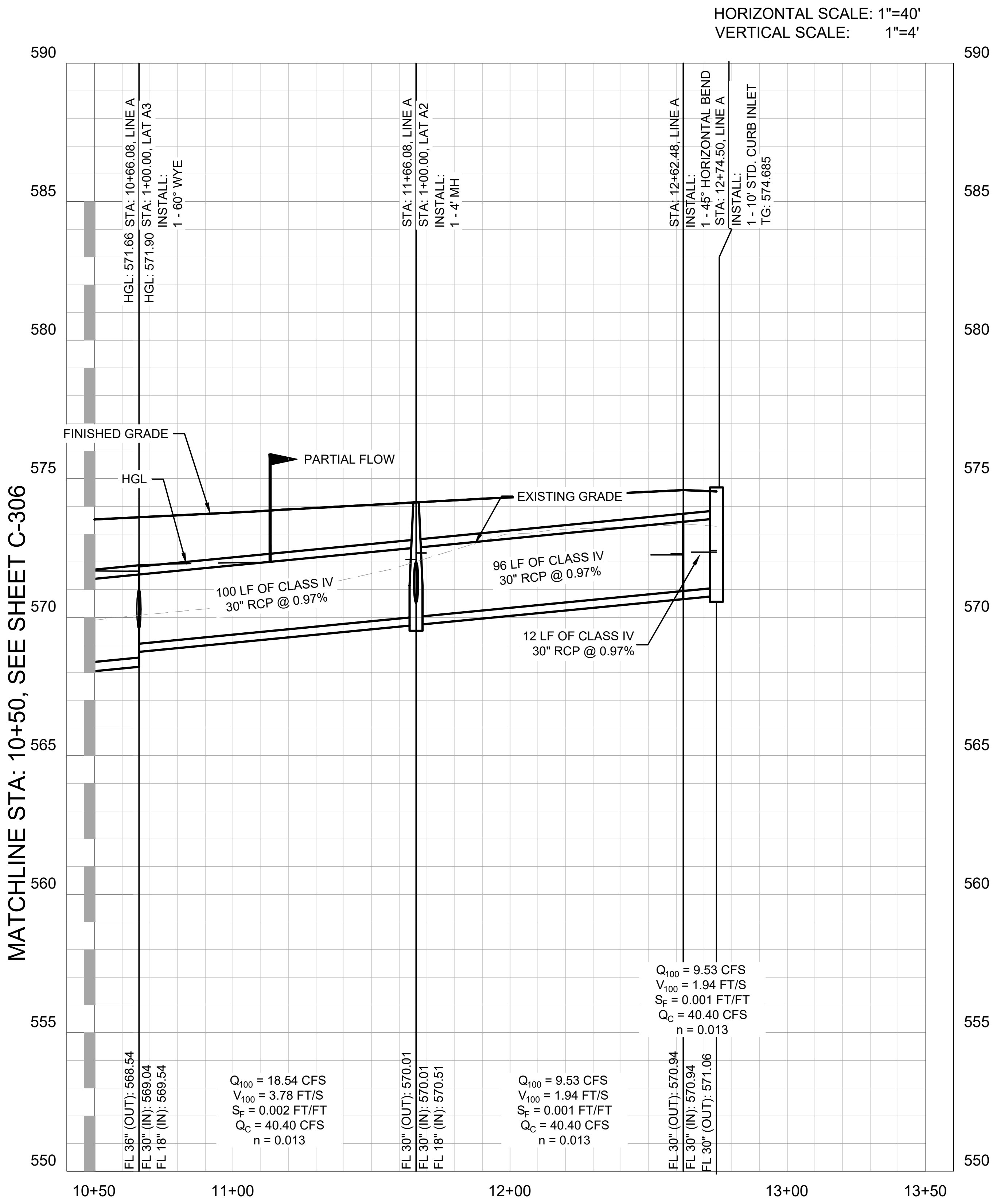
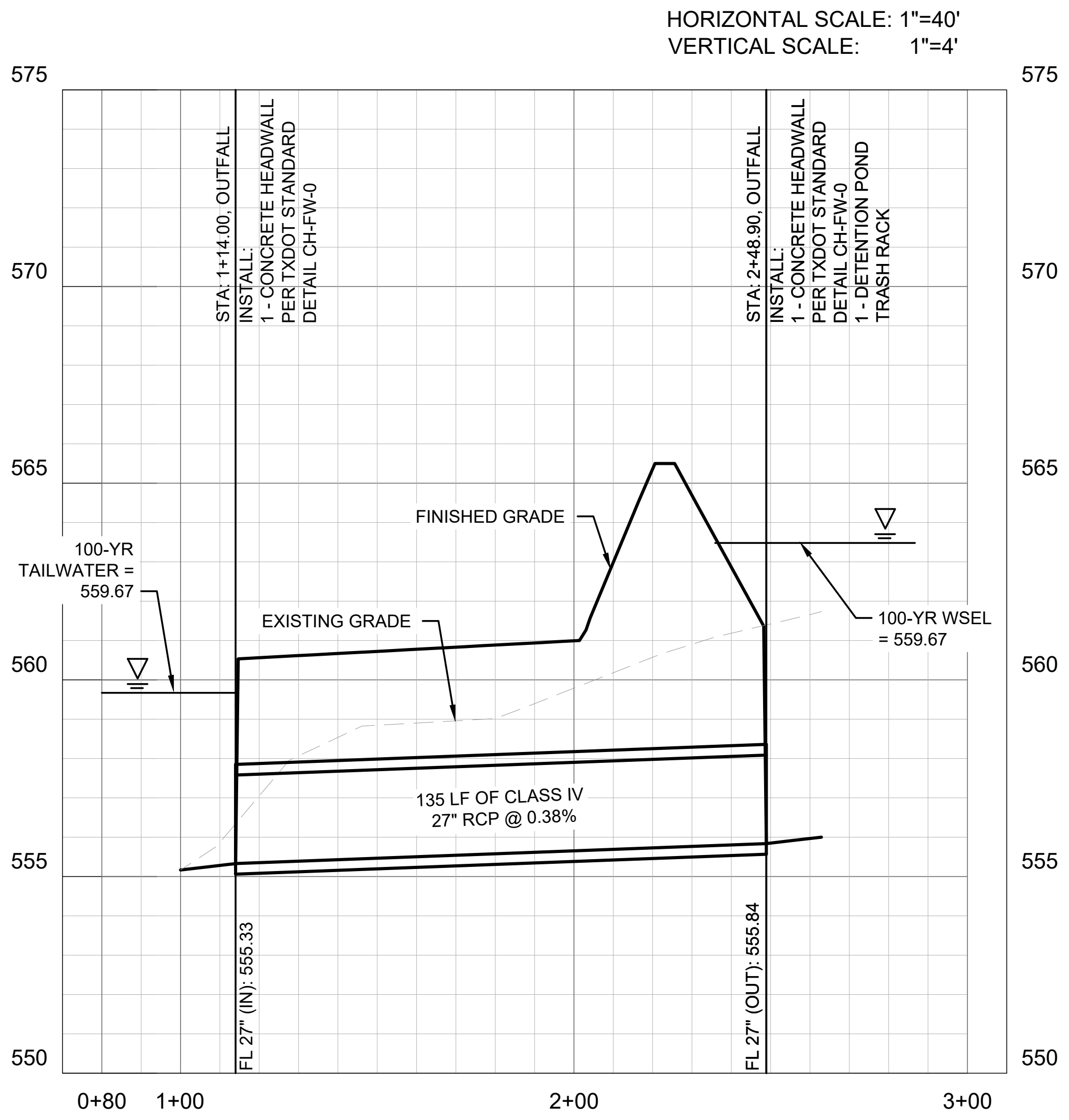
PLOTTED BY SHUROR, AARON 5/11/2023 3:06 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-STRM.dwg

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
555
550
MATCHLINE STA: 10+50, SEE SHEET C-306
HGL: 571.66 STA: 10+66.08, LINE A
HGL: 571.90 STA: 1+00.00, LAT A3
INSTALL:
1 - 60° WYE
STA: 11+66.08, LINE A
STA: 1+00.00, LAT A2
INSTALL:
1 - 4' MH
STA: 12+62.48, LINE A
INSTALL:
1 - 45° HORIZONTAL BEND
STA: 12+74.50, LINE A
INSTALL:
1 - 10' STD. CURB INLET
TG: 574.685
FINISHED GRADE
HGL
PARTIAL FLOW
EXISTING GRADE
100 LF OF CLASS IV
30" RCP @ 0.97%
96 LF OF CLASS IV
30" RCP @ 0.97%
12 LF OF CLASS IV
30" RCP @ 0.97%
Q100 = 9.53 CFS
V100 = 1.94 FT/S
SF = 0.001 FT/FT
QC = 40.40 CFS
n = 0.013
FL 36" (OUT): 568.54
FL 30" (IN): 569.04
FL 18" (IN): 569.54
Q100 = 18.54 CFS
V100 = 3.78 FT/S
SF = 0.002 FT/FT
QC = 40.40 CFS
n = 0.013
FL 30" (OUT): 570.01
FL 30" (IN): 570.01
FL 18" (IN): 570.51
Q100 = 9.53 CFS
V100 = 1.94 FT/S
SF = 0.001 FT/FT
QC = 40.40 CFS
n = 0.013
FL 30" (OUT): 570.94
FL 30" (IN): 570.94
FL 30" (OUT): 571.06
10+50
11+00
12+00
13+00
13+50

PRIVATE LINE A
STA. 1+00 TO STA. 13+50


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
575
570
565
560
555
550
STA: 1+14.00, OUTFALL
INSTALL:
1 - CONCRETE HEADWALL
PER TXDOT STANDARD
DETAIL CH-FW-0
STA: 2+48.90, OUTFALL
INSTALL:
1 - CONCRETE HEADWALL
PER TXDOT STANDARD
DETAIL CH-FW-0
1 - DETENTION POND
TRASH RACK
FINISHED GRADE
100-YR
TAILWATER =
559.67
EXISTING GRADE
100-YR WSEL
= 559.67
135 LF OF CLASS IV
27" RCP @ 0.38%
FL 27" (IN): 555.33
FL 27" (OUT): 555.84
0+80
1+00
2+00
3+00

PRIVATE OUTFALL
STA. 1+00 TO STA. 3+00

No.	REVISIONS	DATE

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

STATE OF TEXAS
DYLAN S. ADAME
138132
LICENSED
PROFESSIONAL ENGINEER
Dylan Adame
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023

SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM LINE A PROFILE (2 OF 2) & OUTFALL PROFILE

SHEET NUMBER
C-307

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
LAST SAVED 5/11/2023 2:59 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:06 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-STRM.dwg

"RECORD DRAWING"
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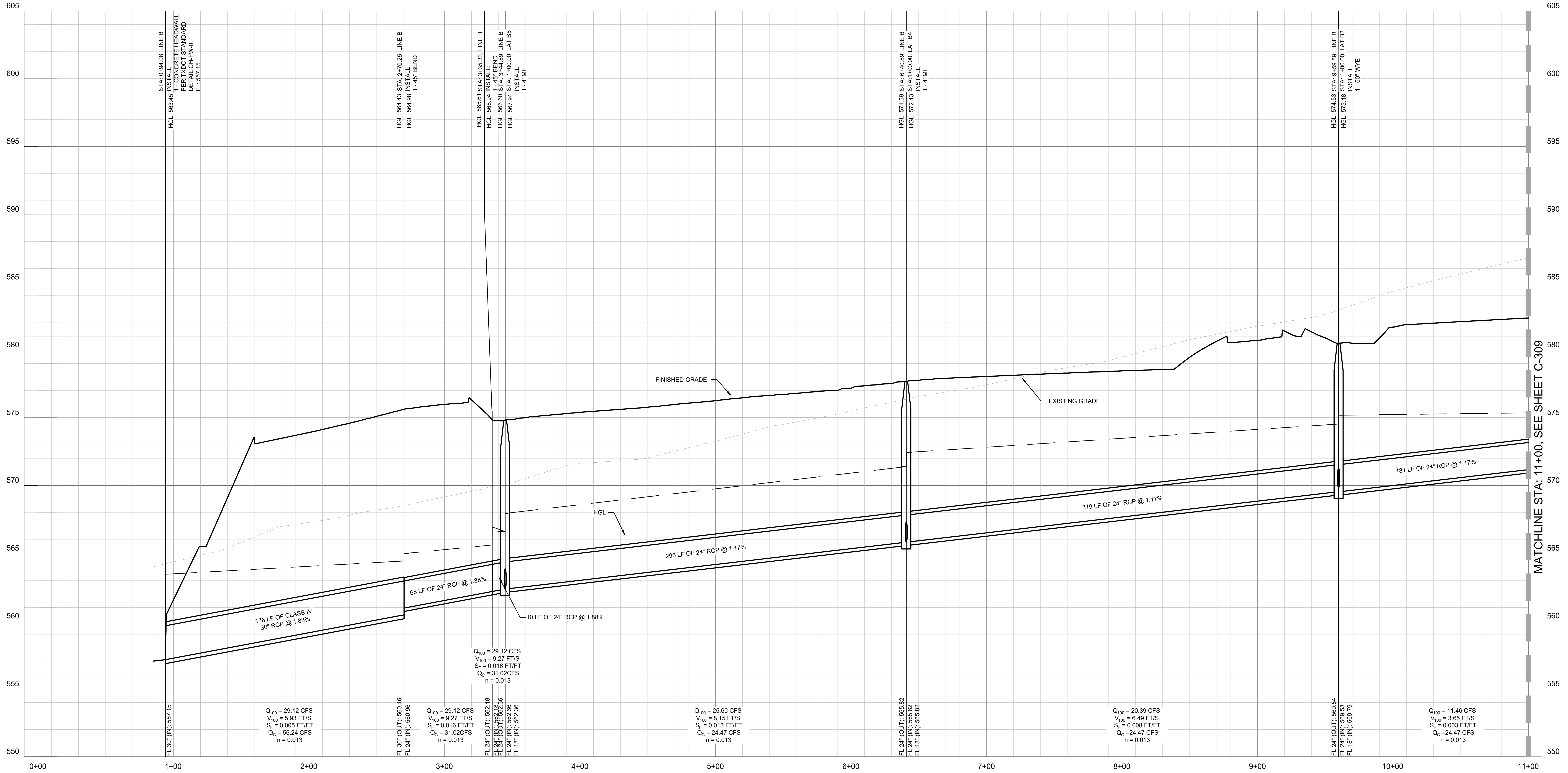
DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'


605
600
595
590
585
580
575
570
565
560
555
550
STA: 0+94.08, LINE B
INSTALL:
1 - CONCRETE HEADWALL
PER TXDOT STANDARD
DETAIL CH-FW-0
FL: 557.15
HGL: 563.45
STA: 2+70.25, LINE B
INSTALL:
1 - 45° BEND
HGL: 564.43
HGL: 564.98
STA: 3+35.30, LINE B
INSTALL:
1 - 45° BEND
HGL: 565.61
HGL: 566.94
STA: 3+44.89, LINE B
HGL: 566.60
STA: 1+00.00, LAT B5
INSTALL:
1 - 4' MH
HGL: 567.94
STA: 6+40.89, LINE B
STA:1+00.00, LAT B4
INSTALL:
1 - 4' MH
HGL: 571.39
HGL: 572.43
STA: 9+59.89, LINE B
STA: 1+00.00, LAT B3
INSTALL:
1 - 60° WYE
HGL: 574.53
HGL: 575.18
FINISHED GRADE
EXISTING GRADE
HGL
MATCHLINE STA: 11+00, SEE SHEET C-309
176 LF OF CLASS IV 30" RCP @ 1.88%
65 LF OF 24" RCP @ 1.88%
10 LF OF 24" RCP @ 1.88%
296 LF OF 24" RCP @ 1.17%
319 LF OF 24" RCP @ 1.17%
181 LF OF 24" RCP @ 1.17%
Q_{100} = 29.12 CFS
V_{100} = 9.27 FT/S
S_F = 0.016 FT/FT
Q_C = 31.02CFS
n = 0.013
FL 30" (IN): 557.15
Q_{100} = 29.12 CFS
V_{100} = 5.93 FT/S
S_F = 0.005 FT/FT
Q_C = 56.24 CFS
n = 0.013
FL 30" (OUT): 560.46
FL 24" (IN): 560.96
Q_{100} = 29.12 CFS
V_{100} = 9.27 FT/S
S_F = 0.016 FT/FT
Q_C = 31.02CFS
n = 0.013
FL 24" (OUT): 562.18
FL 24" (IN): 562.18
FL 24" (OUT): 562.36
FL 24" (IN): 562.36
FL 18" (IN): 562.36
Q_{100} = 25.60 CFS
V_{100} = 8.15 FT/S
S_F = 0.013 FT/FT
Q_C = 24.47 CFS
n = 0.013
FL 24" (OUT): 565.82
FL 24" (IN): 565.82
FL 18" (IN): 565.82
Q_{100} = 20.39 CFS
V_{100} = 6.49 FT/S
S_F = 0.008 FT/FT
Q_C =24.47 CFS
n = 0.013
FL 24" (OUT): 569.54
FL 24" (IN): 569.53
FL 18" (IN): 569.79
Q_{100} = 11.46 CFS
V_{100} = 3.65 FT/S
S_F = 0.003 FT/FT
Q_C =24.47 CFS
n = 0.013
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00

PRIVATE LINE B
STA. 1+00 TO STA. 11+00

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
LAST SAVED 5/11/2023 2:59 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:06 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-STRM.dwg

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

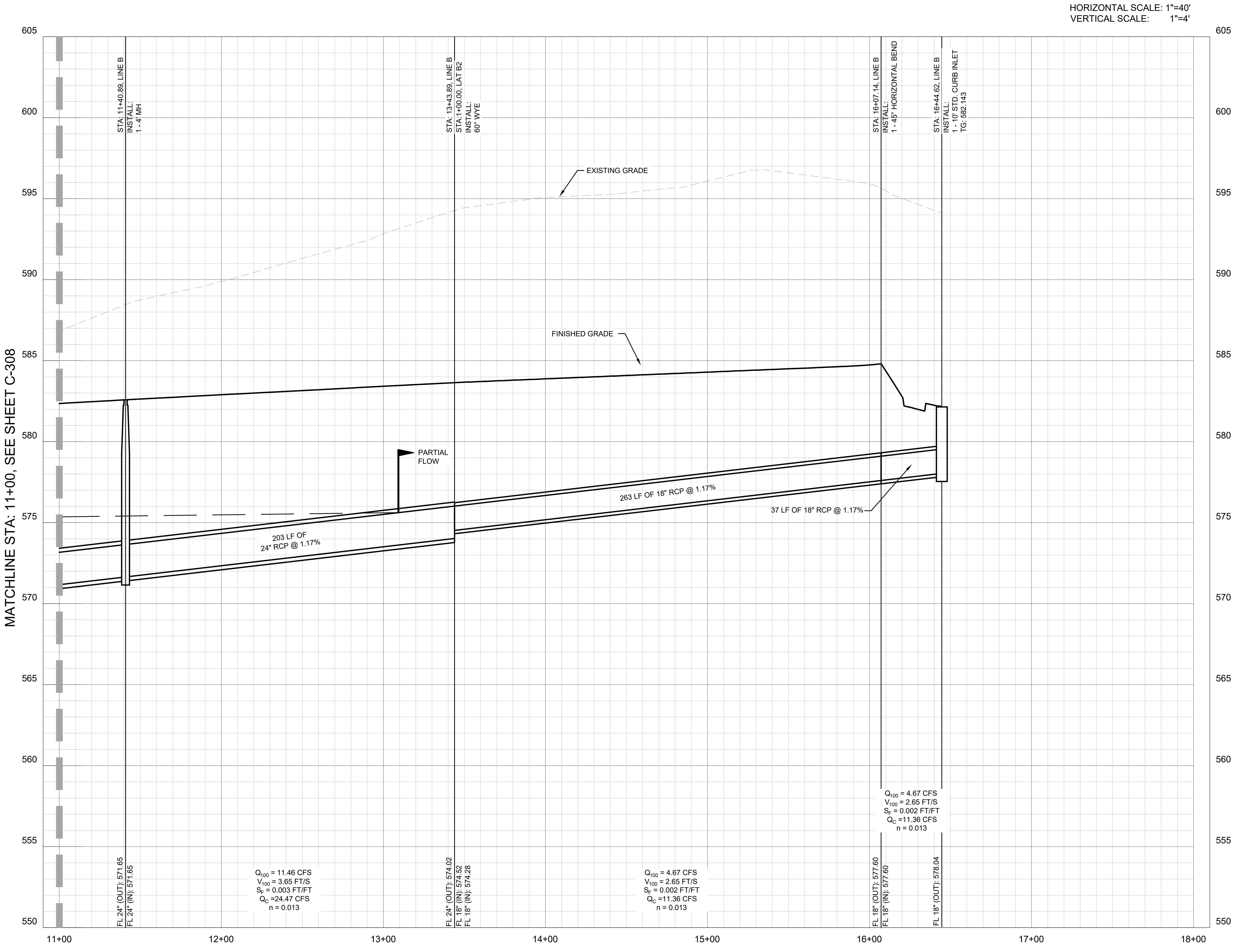
STORM LINE B PROFILE (1 OF 2)

SHEET NUMBER
C-308

CITY FILE NO. SP2023-006

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
605
600
595
590
585
580
575
570
565
560
555
550
MATCHLINE STA: 11+00, SEE SHEET C-308
STA: 11+40.89, LINE B
INSTALL:
1 - 4' MH
STA: 13+43.89, LINE B
STA:1+00.00, LAT B2
INSTALL:
60° WYE
STA: 16+07.14, LINE B
INSTALL:
1 - 45° HORIZONTAL BEND
STA: 16+44.62, LINE B
INSTALL:
1 - 10' STD. CURB INLET
TG: 582.143
EXISTING GRADE
FINISHED GRADE
PARTIAL FLOW
203 LF OF 24" RCP @ 1.17%
263 LF OF 18" RCP @ 1.17%
37 LF OF 18" RCP @ 1.17%
Q_{100} = 4.67 CFS
V_{100} = 2.65 FT/S
S_F = 0.002 FT/FT
Q_C =11.36 CFS
n = 0.013
FL 24" (OUT): 571.65
FL 24" (IN): 571.65
Q_{100} = 11.46 CFS
V_{100} = 3.65 FT/S
S_F = 0.003 FT/FT
Q_C =24.47 CFS
n = 0.013
FL 24" (OUT): 574.02
FL 18" (IN): 574.52
FL 18" (IN): 574.28
Q_{100} = 4.67 CFS
V_{100} = 2.65 FT/S
S_F = 0.002 FT/FT
Q_C =11.36 CFS
n = 0.013
FL 18" (OUT): 577.60
FL 18" (IN): 577.60
FL 18" (OUT): 578.04
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00

PRIVATE LINE B
STA. 1+00 TO STA. 18+00

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM LINE B PROFILE (2 OF 2)

SHEET NUMBER
C-309

CITY FILE NO. SP2023-006

IMAGES	DSA :
XREFS	xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
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PLOTTED BY	SHUROR, AARON 5/11/2023 3:07 PM
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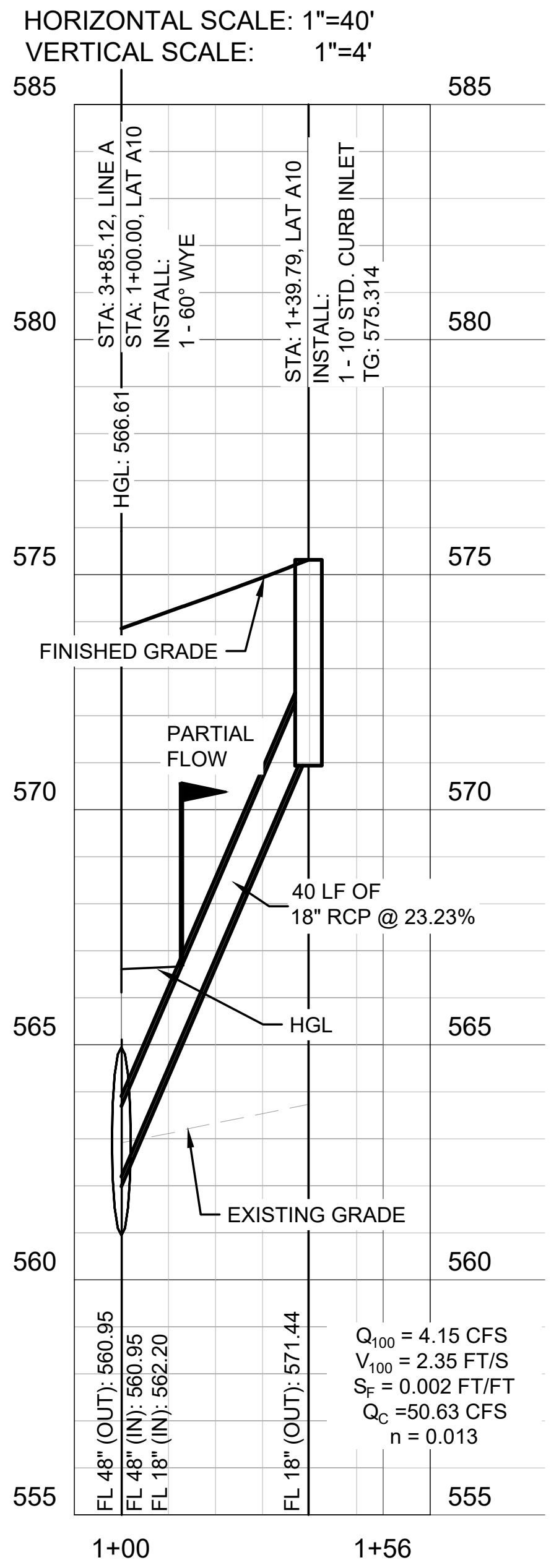
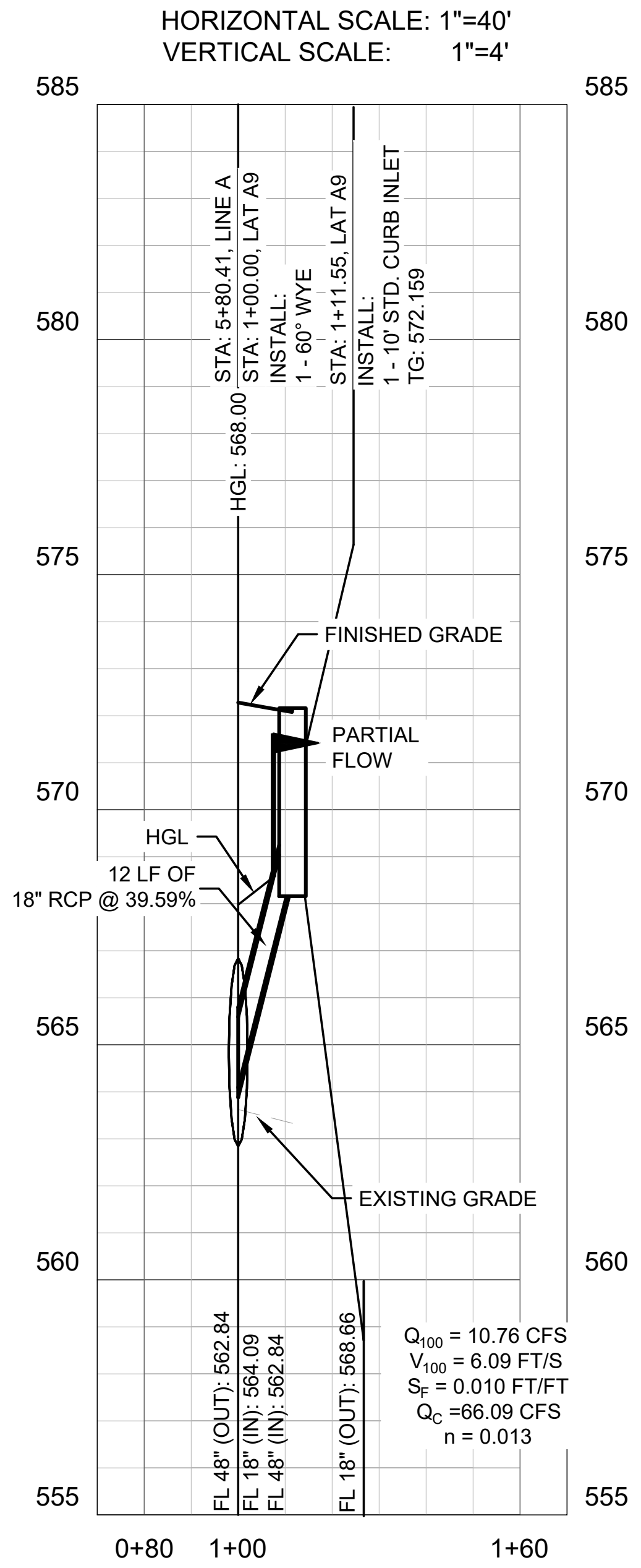
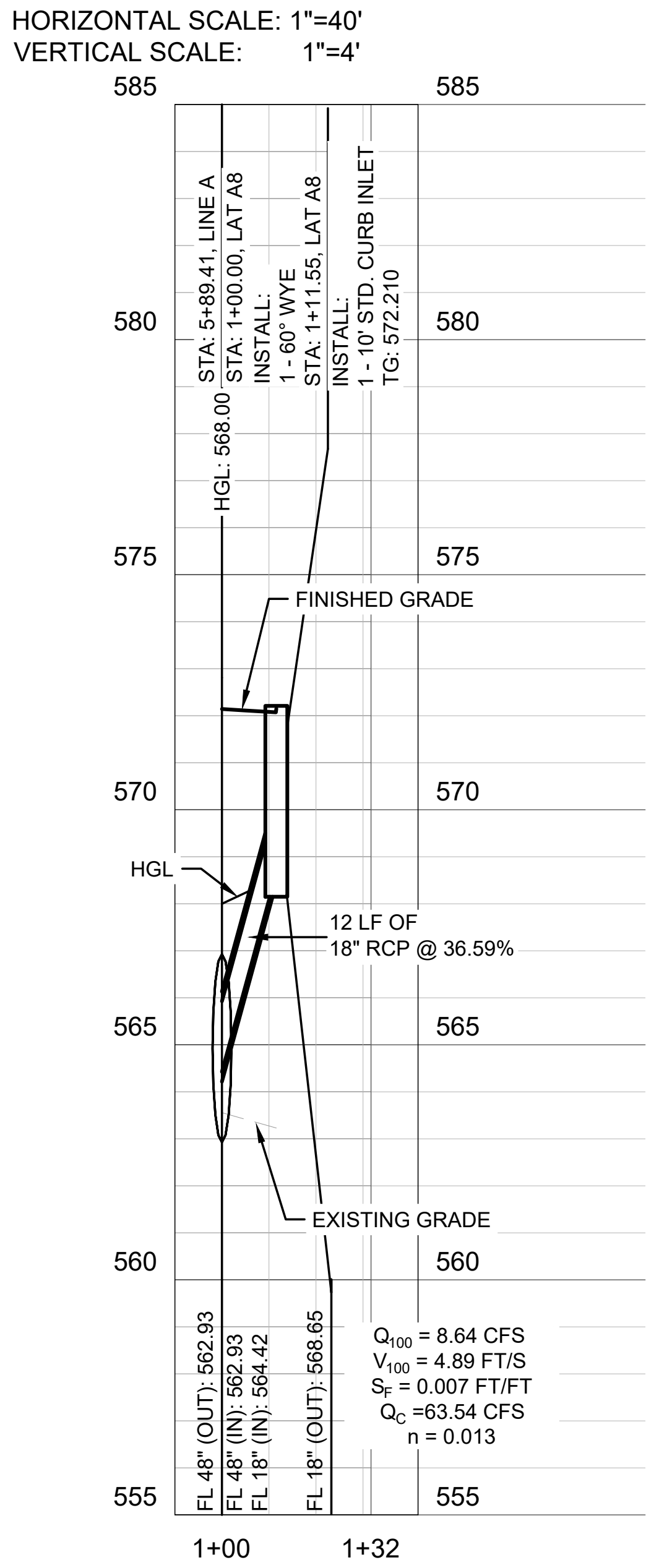
DWG NAME	C-STRM.dwg


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
585
580
575
570
565
560
555
STA: 3+85.12, LINE A
STA: 1+00.00, LAT A10
INSTALL:
1 - 60° WYE
HGL: 566.61
STA: 1+39.79, LAT A10
INSTALL:
1 - 10' STD. CURB INLET
TG: 575.314
FINISHED GRADE
PARTIAL FLOW
40 LF OF 18" RCP @ 23.23%
HGL
EXISTING GRADE
FL 48" (OUT): 560.95
FL 48" (IN): 560.95
FL 18" (IN): 562.20
FL 18" (OUT): 571.44
Q_{100} = 4.15 CFS
V_{100} = 2.35 FT/S
S_F = 0.002 FT/FT
Q_C =50.63 CFS
n = 0.013
1+00
1+56

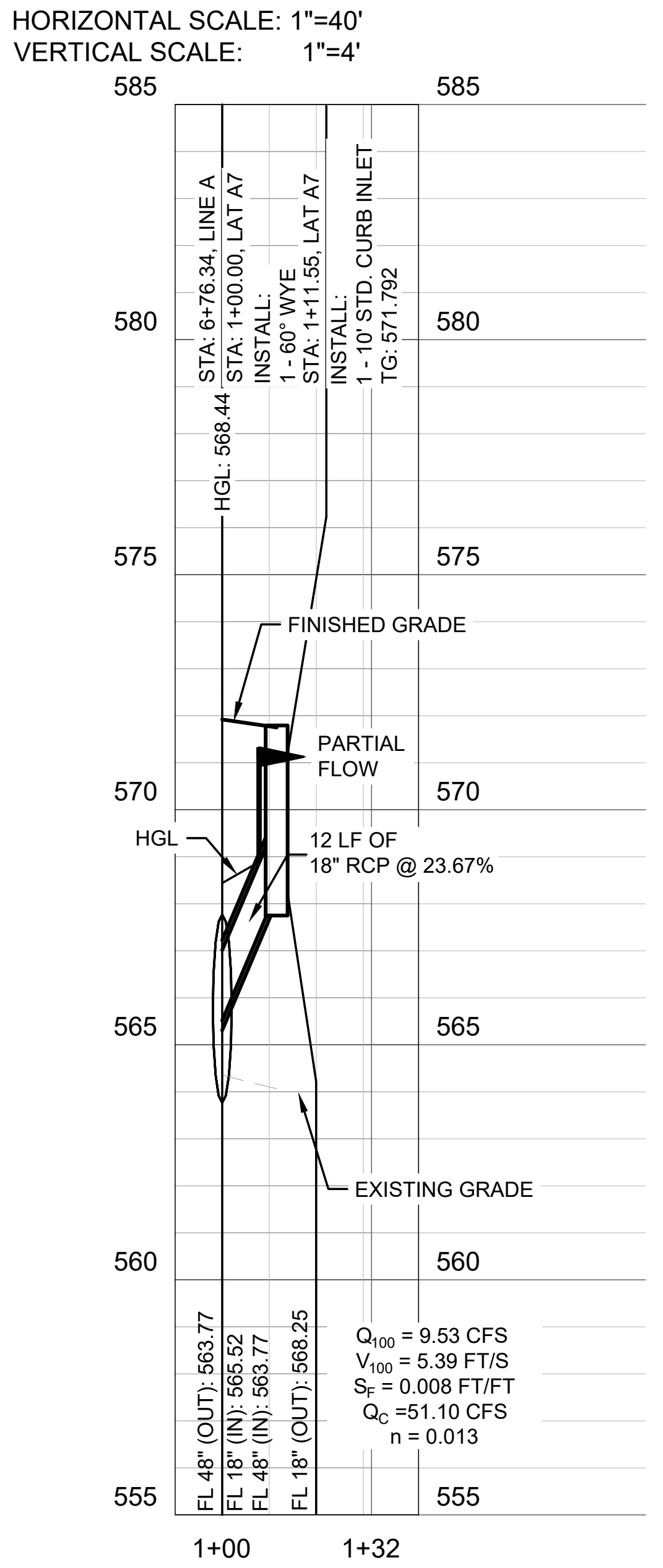
PRIVATE LAT A10
STA. 1+00 TO STA. 1+56


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
585
580
575
570
565
560
555
STA: 5+80.41, LINE A
STA: 1+00.00, LAT A9
INSTALL:
1 - 60° WYE
HGL: 568.00
STA: 1+11.55, LAT A9
INSTALL:
1 - 10' STD. CURB INLET
TG: 572.159
FINISHED GRADE
PARTIAL FLOW
HGL
12 LF OF 18" RCP @ 39.59%
EXISTING GRADE
FL 48" (OUT): 562.84
FL 18" (IN): 564.09
FL 48" (IN): 562.84
FL 18" (OUT): 568.66
Q_{100} = 10.76 CFS
V_{100} = 6.09 FT/S
S_F = 0.010 FT/FT
Q_C =66.09 CFS
n = 0.013
0+80
1+00
1+60

PRIVATE LAT A9
STA. 1+00 TO STA. 1+60


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
585
580
575
570
565
560
555
STA: 5+89.41, LINE A
STA: 1+00.00, LAT A8
INSTALL:
1 - 60° WYE
HGL: 568.00
STA: 1+11.55, LAT A8
INSTALL:
1 - 10' STD. CURB INLET
TG: 572.210
FINISHED GRADE
HGL
12 LF OF 18" RCP @ 36.59%
EXISTING GRADE
FL 48" (OUT): 562.93
FL 48" (IN): 562.93
FL 18" (IN): 564.42
FL 18" (OUT): 568.65
Q_{100} = 8.64 CFS
V_{100} = 4.89 FT/S
S_F = 0.007 FT/FT
Q_C =63.54 CFS
n = 0.013
1+00
1+32

PRIVATE LAT A8
STA. 1+00 TO STA. 1+32


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
585
580
575
570
565
560
555
STA: 6+76.34, LINE A
STA: 1+00.00, LAT A7
INSTALL:
1 - 60° WYE
HGL: 568.44
STA: 1+11.55, LAT A7
INSTALL:
1 - 10' STD. CURB INLET
TG: 571.792
FINISHED GRADE
PARTIAL FLOW
HGL
12 LF OF 18" RCP @ 23.67%
EXISTING GRADE
FL 48" (OUT): 563.77
FL 18" (IN): 565.52
FL 48" (IN): 563.77
FL 18" (OUT): 568.25
Q_{100} = 9.53 CFS
V_{100} = 5.39 FT/S
S_F = 0.008 FT/FT
Q_C =51.10 CFS
n = 0.013
1+00
1+32

LAT A7
STA. 9+80 TO STA. 1+32

"RECORD DRAWING"
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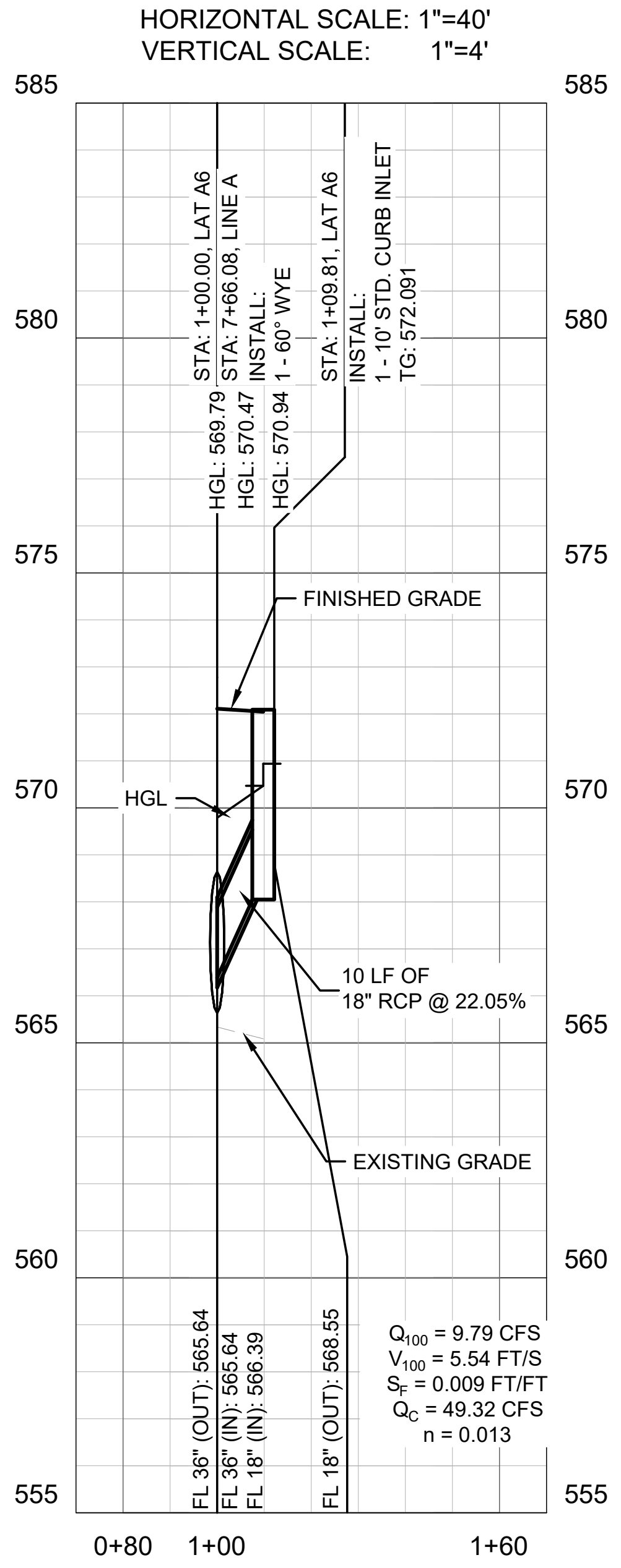
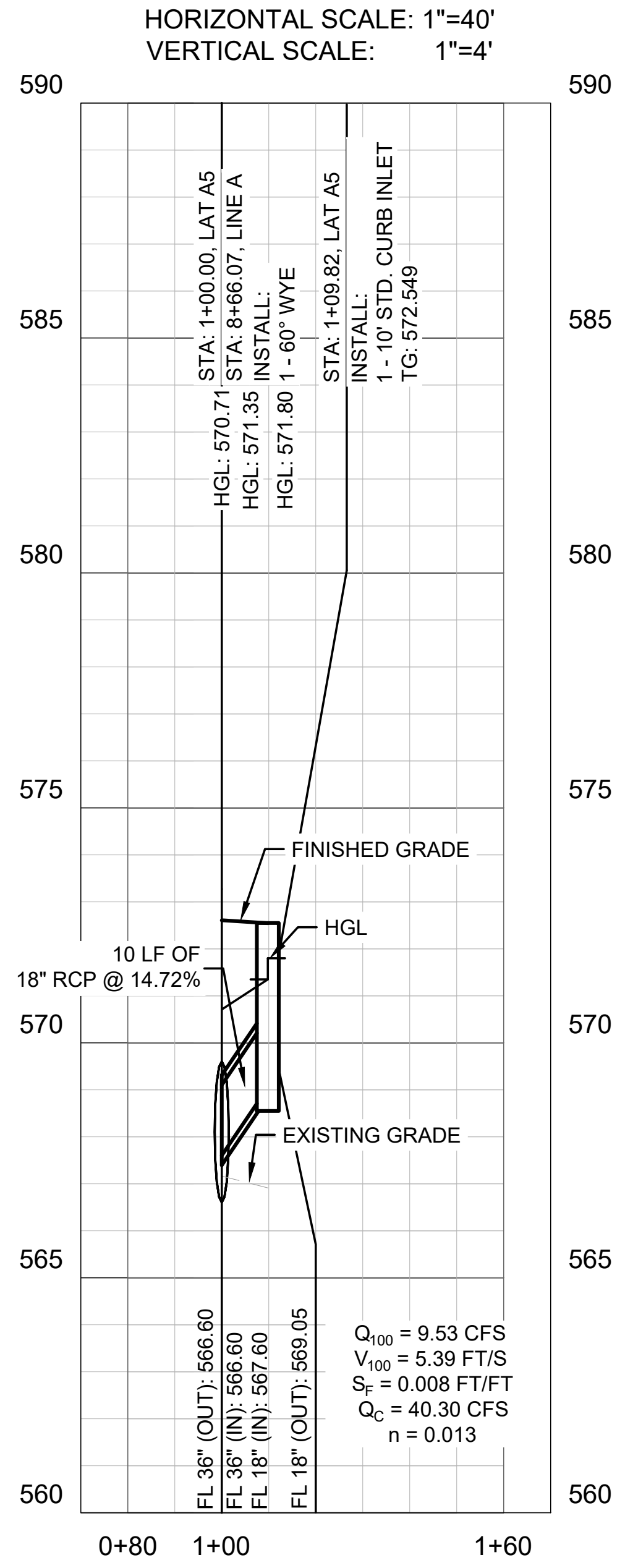
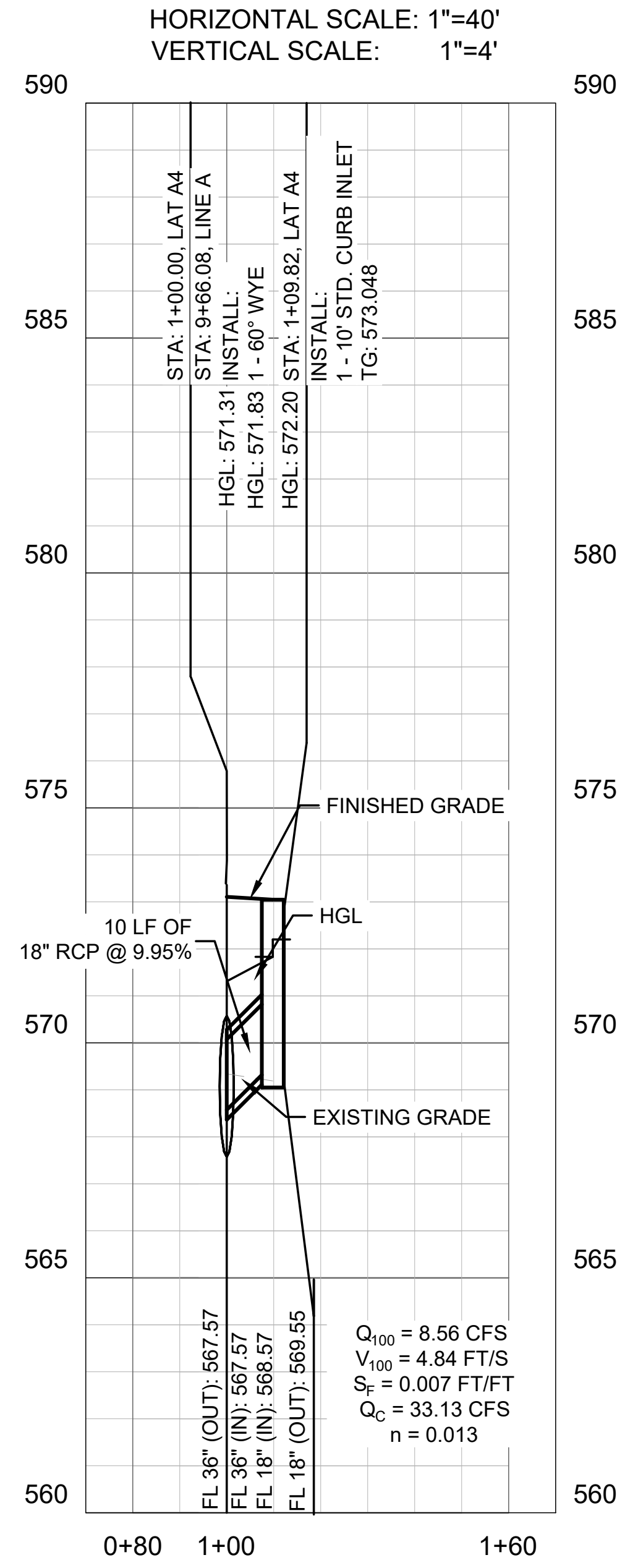
DATE: 5/11/2023
BY: DYLAN ADAME, P.E.


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
585
580
575
570
565
560
555
STA: 1+00.00, LAT A6
STA: 7+66.08, LINE A
INSTALL:
1 - 60° WYE
HGL: 569.79
HGL: 570.47
HGL: 570.94
STA: 1+09.81, LAT A6
INSTALL:
1 - 10' STD. CURB INLET
TG: 572.091
FINISHED GRADE
HGL
10 LF OF 18" RCP @ 22.05%
EXISTING GRADE
FL 36" (OUT): 565.64
FL 36" (IN): 565.64
FL 18" (IN): 566.39
FL 18" (OUT): 568.55
Q_{100} = 9.79 CFS
V_{100} = 5.54 FT/S
S_F = 0.009 FT/FT
Q_C = 49.32 CFS
n = 0.013
0+80
1+00
1+60

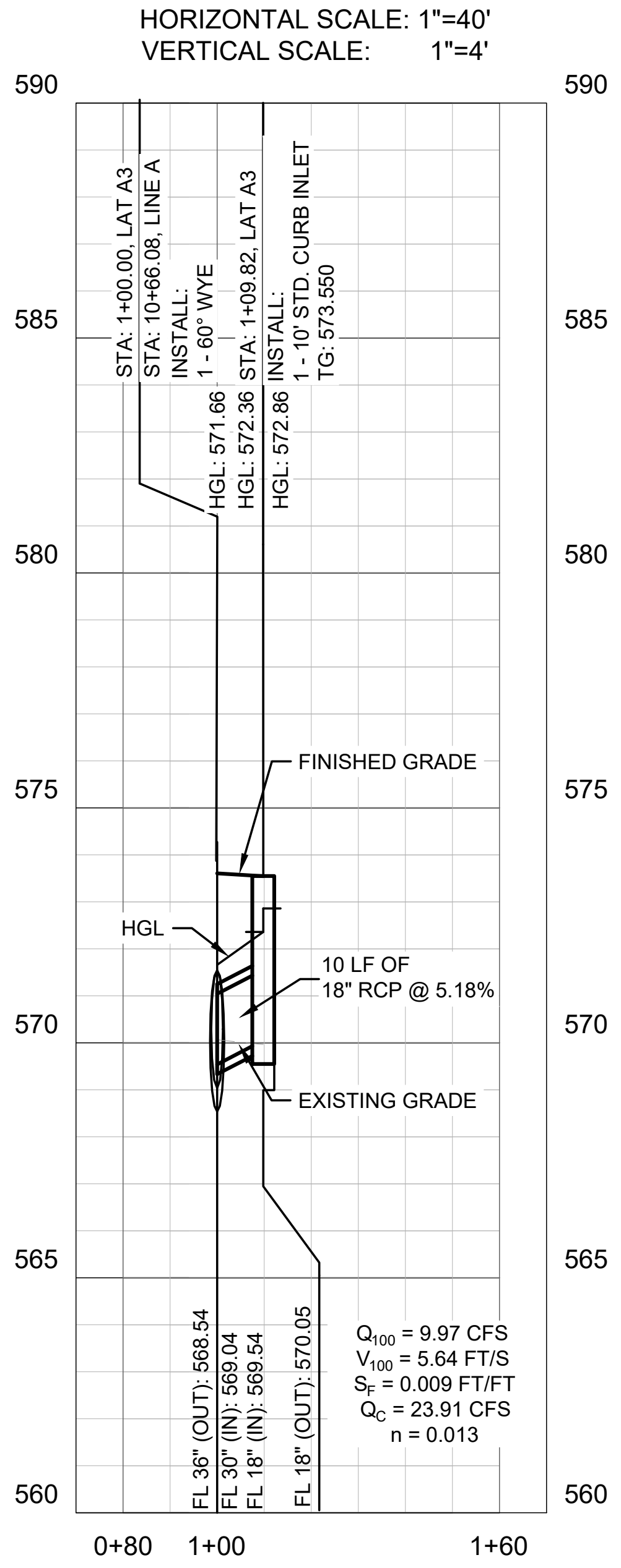
LAT A6
STA. 9+80 TO STA. 1+60


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
STA: 1+00.00, LAT A5
STA: 8+66.07, LINE A
INSTALL:
1 - 60° WYE
HGL: 570.71
HGL: 571.35
HGL: 571.80
STA: 1+09.82, LAT A5
INSTALL:
1 - 10' STD. CURB INLET
TG: 572.549
FINISHED GRADE
HGL
10 LF OF 18" RCP @ 14.72%
EXISTING GRADE
FL 36" (OUT): 566.60
FL 36" (IN): 566.60
FL 18" (IN): 567.60
FL 18" (OUT): 569.05
Q_{100} = 9.53 CFS
V_{100} = 5.39 FT/S
S_F = 0.008 FT/FT
Q_C = 40.30 CFS
n = 0.013
0+80
1+00
1+60

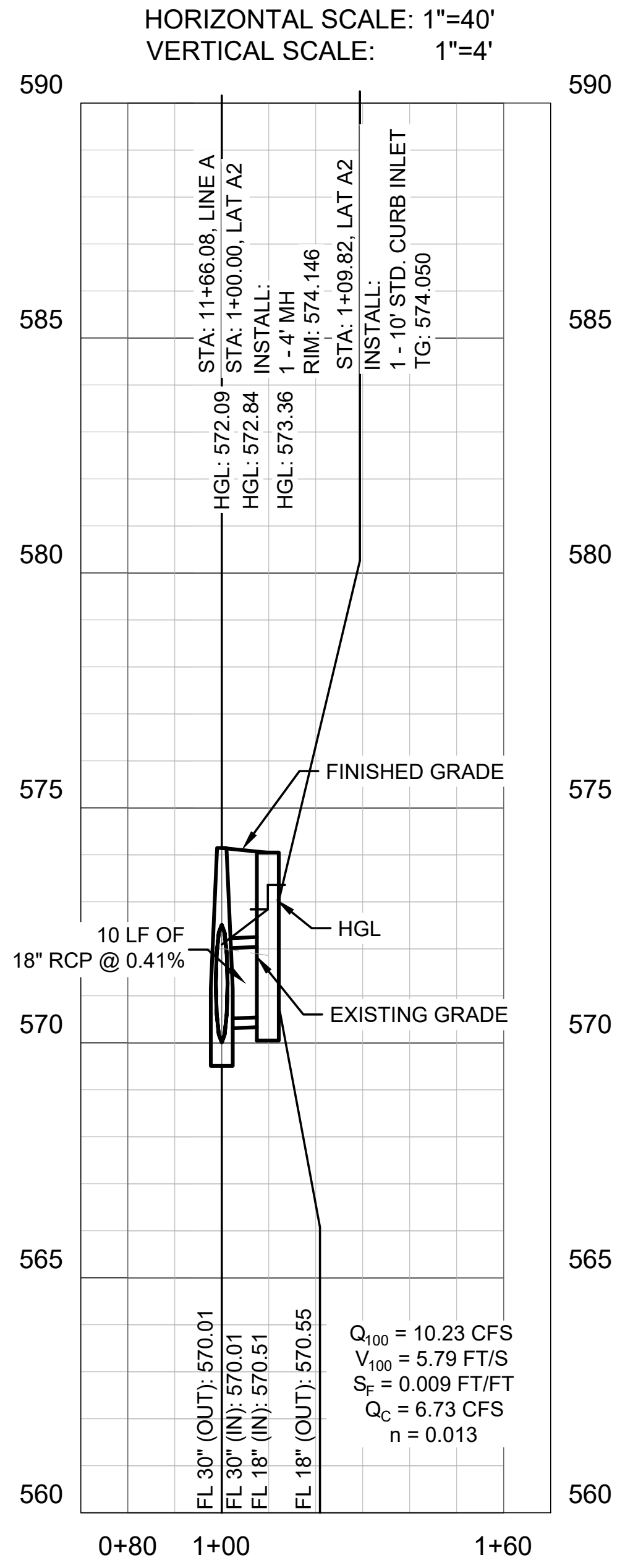
PRIVATE LAT A5
STA. 1+00 TO STA. 1+60


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
STA: 1+00.00, LAT A4
STA: 9+66.08, LINE A
INSTALL:
1 - 60° WYE
HGL: 571.31
HGL: 571.83
HGL: 572.20
STA: 1+09.82, LAT A4
INSTALL:
1 - 10' STD. CURB INLET
TG: 573.048
FINISHED GRADE
HGL
10 LF OF 18" RCP @ 9.95%
EXISTING GRADE
FL 36" (OUT): 567.57
FL 36" (IN): 567.57
FL 18" (IN): 568.57
FL 18" (OUT): 569.55
Q_{100} = 8.56 CFS
V_{100} = 4.84 FT/S
S_F = 0.007 FT/FT
Q_C = 33.13 CFS
n = 0.013
0+80
1+00
1+60

PRIVATE LAT A4
STA. 1+00 TO STA. 1+60


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
STA: 1+00.00, LAT A3
STA: 10+66.08, LINE A
INSTALL:
1 - 60° WYE
HGL: 571.66
HGL: 572.36
HGL: 572.86
STA: 1+09.82, LAT A3
INSTALL:
1 - 10' STD. CURB INLET
TG: 573.550
FINISHED GRADE
HGL
10 LF OF 18" RCP @ 5.18%
EXISTING GRADE
FL 36" (OUT): 568.54
FL 30" (IN): 569.04
FL 18" (IN): 569.54
FL 18" (OUT): 570.05
Q_{100} = 9.97 CFS
V_{100} = 5.64 FT/S
S_F = 0.009 FT/FT
Q_C = 23.91 CFS
n = 0.013
0+80
1+00
1+60

PRIVATE LAT A3
STA. 1+00 TO STA. 1+60


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
STA: 11+66.08, LINE A
STA: 1+00.00, LAT A2
INSTALL:
1 - 4' MH
RIM: 574.146
HGL: 572.09
HGL: 572.84
HGL: 573.36
STA: 1+09.82, LAT A2
INSTALL:
1 - 10' STD. CURB INLET
TG: 574.050
FINISHED GRADE
HGL
10 LF OF 18" RCP @ 0.41%
EXISTING GRADE
FL 30" (OUT): 570.01
FL 30" (IN): 570.01
FL 18" (IN): 570.51
FL 18" (OUT): 570.55
Q_{100} = 10.23 CFS
V_{100} = 5.79 FT/S
S_F = 0.009 FT/FT
Q_C = 6.73 CFS
n = 0.013
0+80
1+00
1+60

PRIVATE LAT A2
STA. 1+00 TO STA. 1+60

No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM LINE A LATERALS

SHEET NUMBER
C-310

CITY FILE NO. SP2023-006

IMAGES DSA :
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PLOTTED BY SHUROR, AARON 5/11/2023 3:07 PM
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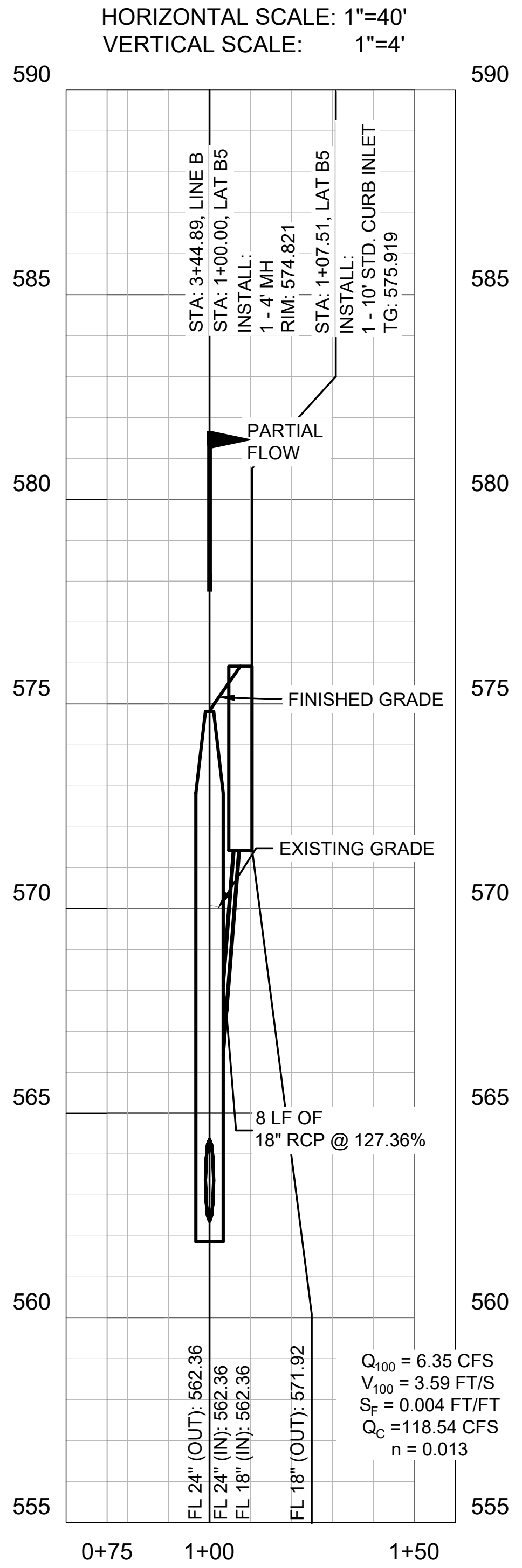
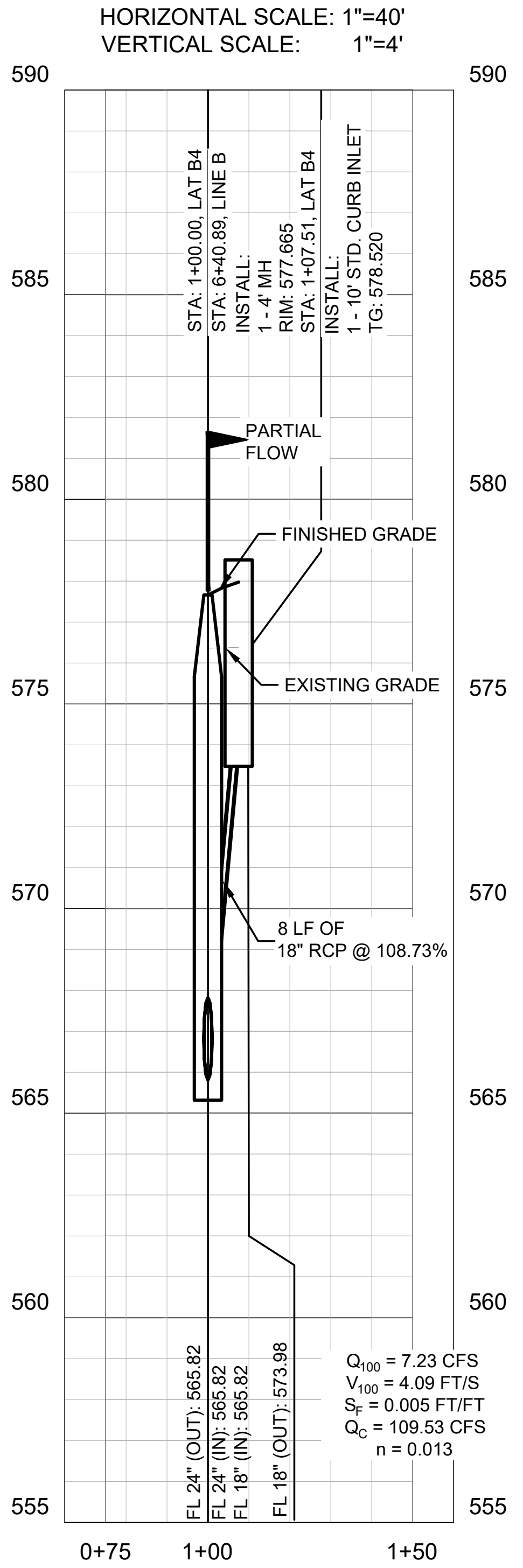
DWG NAME C-STRM.dwg

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

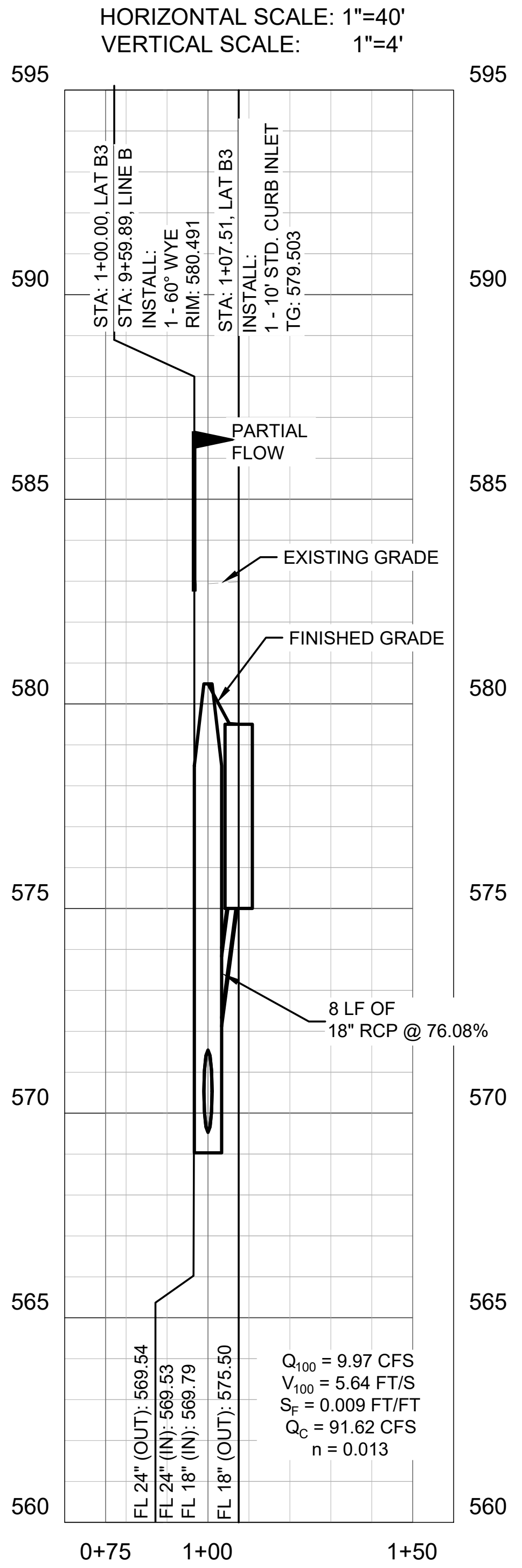
DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
555
STA: 3+44.89, LINE B
STA: 1+00.00, LAT B5
INSTALL:
1 - 4' MH
RIM: 574.821
STA: 1+07.51, LAT B5
INSTALL:
1 - 10' STD. CURB INLET
TG: 575.919
PARTIAL FLOW
FINISHED GRADE
EXISTING GRADE
8 LF OF 18" RCP @ 127.36%
FL 24" (OUT): 562.36
FL 24" (IN): 562.36
FL 18" (IN): 562.36
FL 18" (OUT): 571.92
Q_{100} = 6.35 CFS
V_{100} = 3.59 FT/S
S_F = 0.004 FT/FT
Q_C =118.54 CFS
n = 0.013
0+75
1+00
1+50

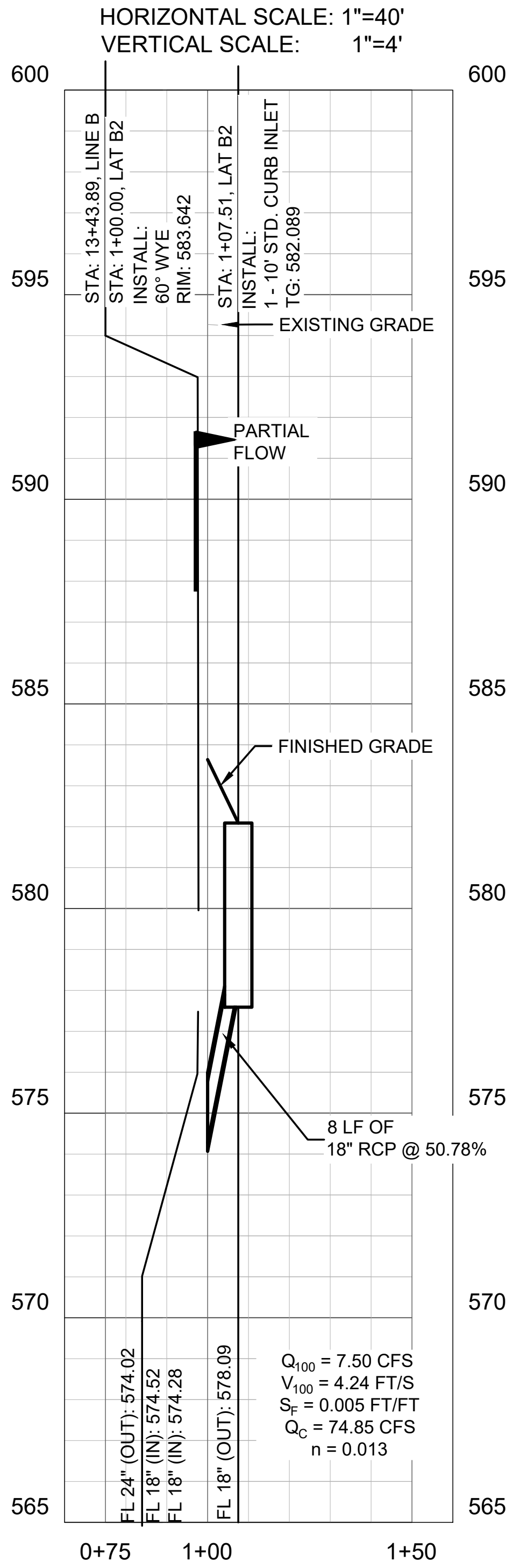
PRIVATE LAT B5
STA. 1+00 TO STA. 1+50


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
590
585
580
575
570
565
560
555
STA: 1+00.00, LAT B4
STA: 6+40.89, LINE B
INSTALL:
1 - 4' MH
RIM: 577.665
STA: 1+07.51, LAT B4
INSTALL:
1 - 10' STD. CURB INLET
TG: 578.520
PARTIAL FLOW
FINISHED GRADE
EXISTING GRADE
8 LF OF 18" RCP @ 108.73%
FL 24" (OUT): 565.82
FL 24" (IN): 565.82
FL 18" (IN): 565.82
FL 18" (OUT): 573.98
Q_{100} = 7.23 CFS
V_{100} = 4.09 FT/S
S_F = 0.005 FT/FT
Q_C = 109.53 CFS
n = 0.013
0+75
1+00
1+50

PRIVATE LAT B4
STA. 1+00 TO STA. 1+50


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
595
590
585
580
575
570
565
560
STA: 1+00.00, LAT B3
STA: 9+59.89, LINE B
INSTALL:
1 - 60° WYE
RIM: 580.491
STA: 1+07.51, LAT B3
INSTALL:
1 - 10' STD. CURB INLET
TG: 579.503
PARTIAL FLOW
EXISTING GRADE
FINISHED GRADE
8 LF OF 18" RCP @ 76.08%
FL 24" (OUT): 569.54
FL 24" (IN): 569.53
FL 18" (IN): 569.79
FL 18" (OUT): 575.50
Q_{100} = 9.97 CFS
V_{100} = 5.64 FT/S
S_F = 0.009 FT/FT
Q_C = 91.62 CFS
n = 0.013
0+75
1+00
1+50

PRIVATE LAT B3
STA. 1+00 TO STA. 1+50


HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'
600
595
590
585
580
575
570
565
STA: 13+43.89, LINE B
STA: 1+00.00, LAT B2
INSTALL:
60° WYE
RIM: 583.642
STA: 1+07.51, LAT B2
INSTALL:
1 - 10' STD. CURB INLET
TG: 582.089
EXISTING GRADE
PARTIAL FLOW
FINISHED GRADE
8 LF OF 18" RCP @ 50.78%
FL 24" (OUT): 574.02
FL 18" (IN): 574.52
FL 18" (IN): 574.28
FL 18" (OUT): 578.09
Q_{100} = 7.50 CFS
V_{100} = 4.24 FT/S
S_F = 0.005 FT/FT
Q_C = 74.85 CFS
n = 0.013
0+75
1+00
1+50

PRIVATE LAT B2
STA. 1+00 TO STA. 1+50

No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT 068213100	
DATE MAY 2023	
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

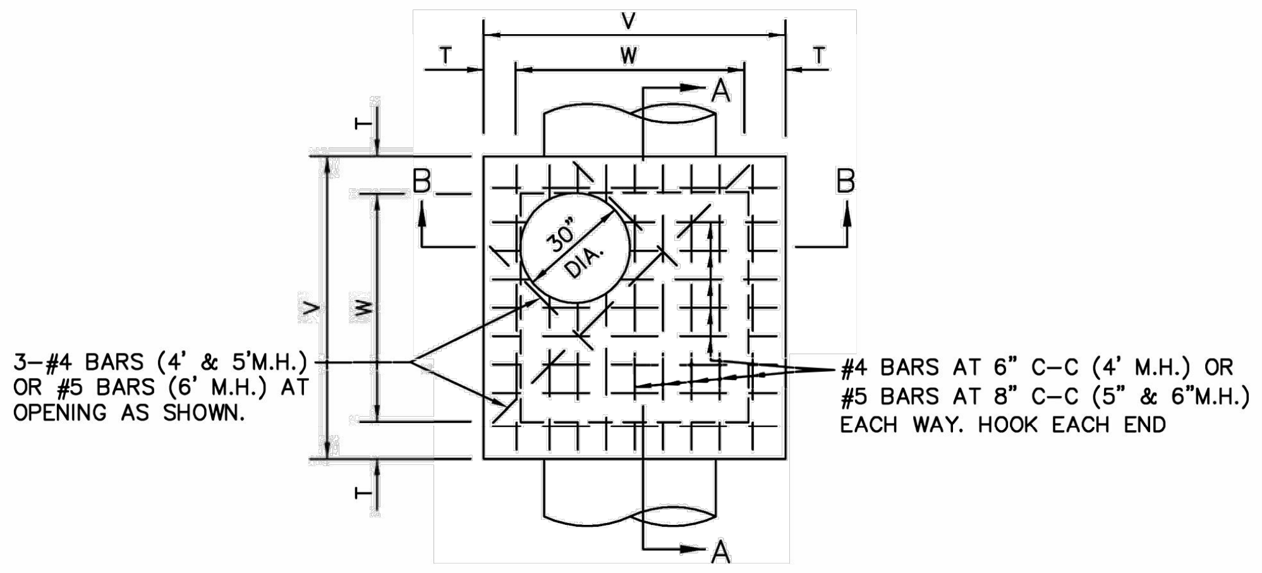
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM LINE B LATERALS

SHEET NUMBER
C-311

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
LAST SAVED 5/11/2023 2:59 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:07 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-STRM.dwg

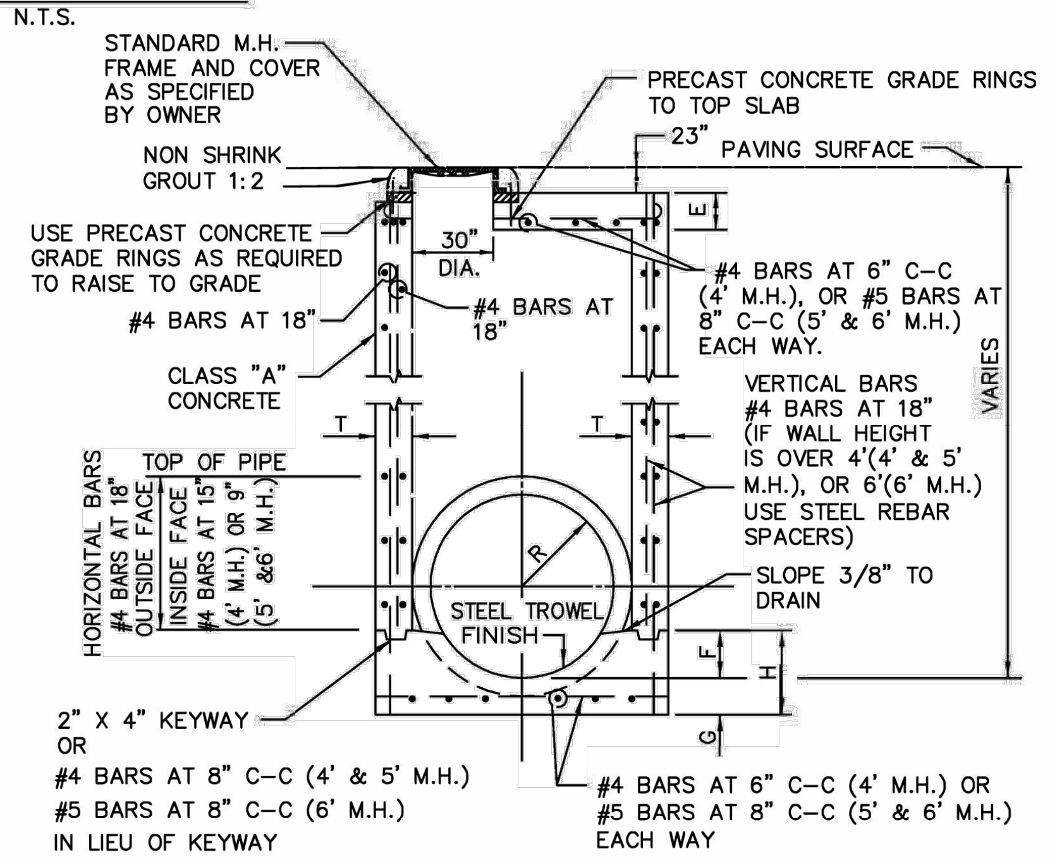

V
W
T
A
B
30" DIA.
3–#4 BARS (4' & 5'M.H.) OR #5 BARS (6' M.H.) AT OPENING AS SHOWN.
#4 BARS AT 6" C–C (4' M.H.) OR #5 BARS AT 8" C–C (5" & 6"M.H.) EACH WAY. HOOK EACH END

PLAN
N.T.S.

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

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

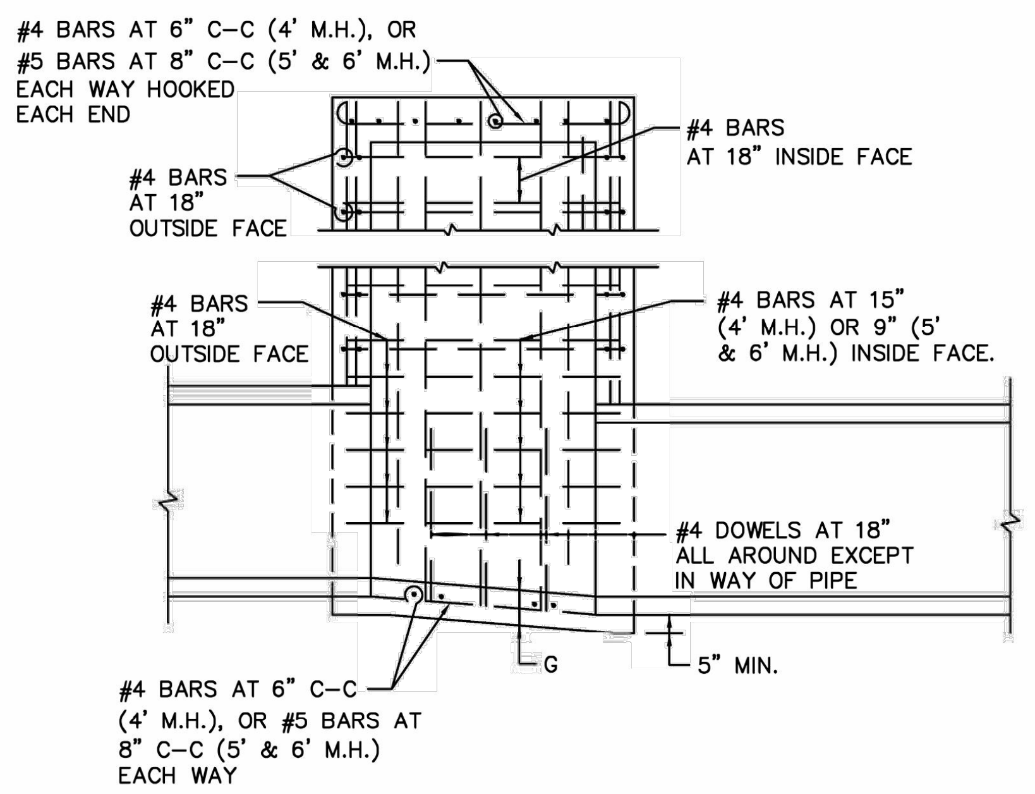
TABLE OF DIMENSIONS
N.T.S.


STANDARD M.H. FRAME AND COVER AS SPECIFIED BY OWNER
NON SHRINK GROUT 1:2
PRECAST CONCRETE GRADE RINGS TO TOP SLAB
23"
PAVING SURFACE
USE PRECAST CONCRETE GRADE RINGS AS REQUIRED TO RAISE TO GRADE
30" DIA.
#4 BARS AT 18"
#4 BARS AT 18"
#4 BARS AT 6" C–C (4' M.H.), OR #5 BARS AT 8" C–C (5' & 6' M.H.) EACH WAY.
E
VARIES
CLASS "A" CONCRETE
VERTICAL BARS #4 BARS AT 18" (IF WALL HEIGHT IS OVER 4'(4' & 5' M.H.), OR 6'(6' M.H.) USE STEEL REBAR SPACERS)
T
TOP OF PIPE
HORIZONTAL BARS #4 BARS AT 18" OUTSIDE FACE
INSIDE FACE #4 BARS AT 15" (4' M.H.) OR 9" (5' &6' M.H.)
R
SLOPE 3/8" TO DRAIN
STEEL TROWEL FINISH
F
H
G
2" X 4" KEYWAY OR #4 BARS AT 8" C–C (4' & 5' M.H.) #5 BARS AT 8" C–C (6' M.H.) IN LIEU OF KEYWAY
#4 BARS AT 6" C–C (4' M.H.) OR #5 BARS AT 8" C–C (5' & 6' M.H.) EACH WAY

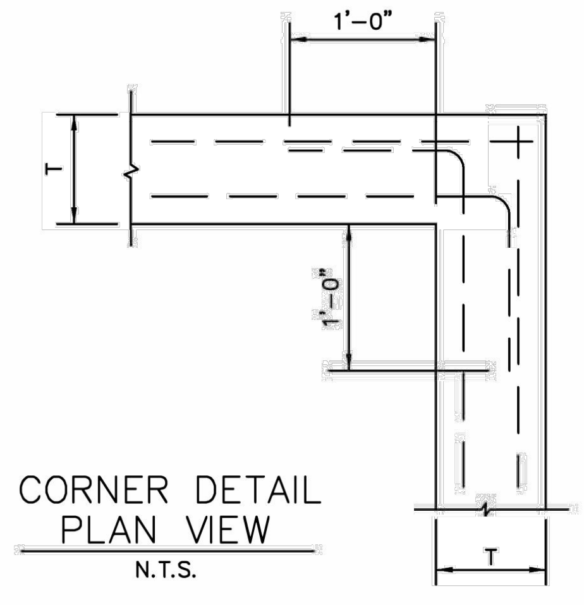
SECTION B–B
N.T.S.

STORM WATER MANHOLE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.1.4.1*	
4', 5', OR 6' SQUARE		DATE Mar. 2018	STANDARD DRAWING NO. R-6010A

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


#4 BARS AT 6" C–C (4' M.H.), OR #5 BARS AT 8" C–C (5' & 6' M.H.) EACH WAY HOOKED EACH END
#4 BARS AT 18" INSIDE FACE
#4 BARS AT 18" OUTSIDE FACE
#4 BARS AT 18" OUTSIDE FACE
#4 BARS AT 15" (4' M.H.) OR 9" (5' & 6' M.H.) INSIDE FACE.
#4 DOWELS AT 18" ALL AROUND EXCEPT IN WAY OF PIPE
G
5" MIN.
#4 BARS AT 6" C–C (4' M.H.), OR #5 BARS AT 8" C–C (5' & 6' M.H.) EACH WAY

SECTION A–A
N.T.S.



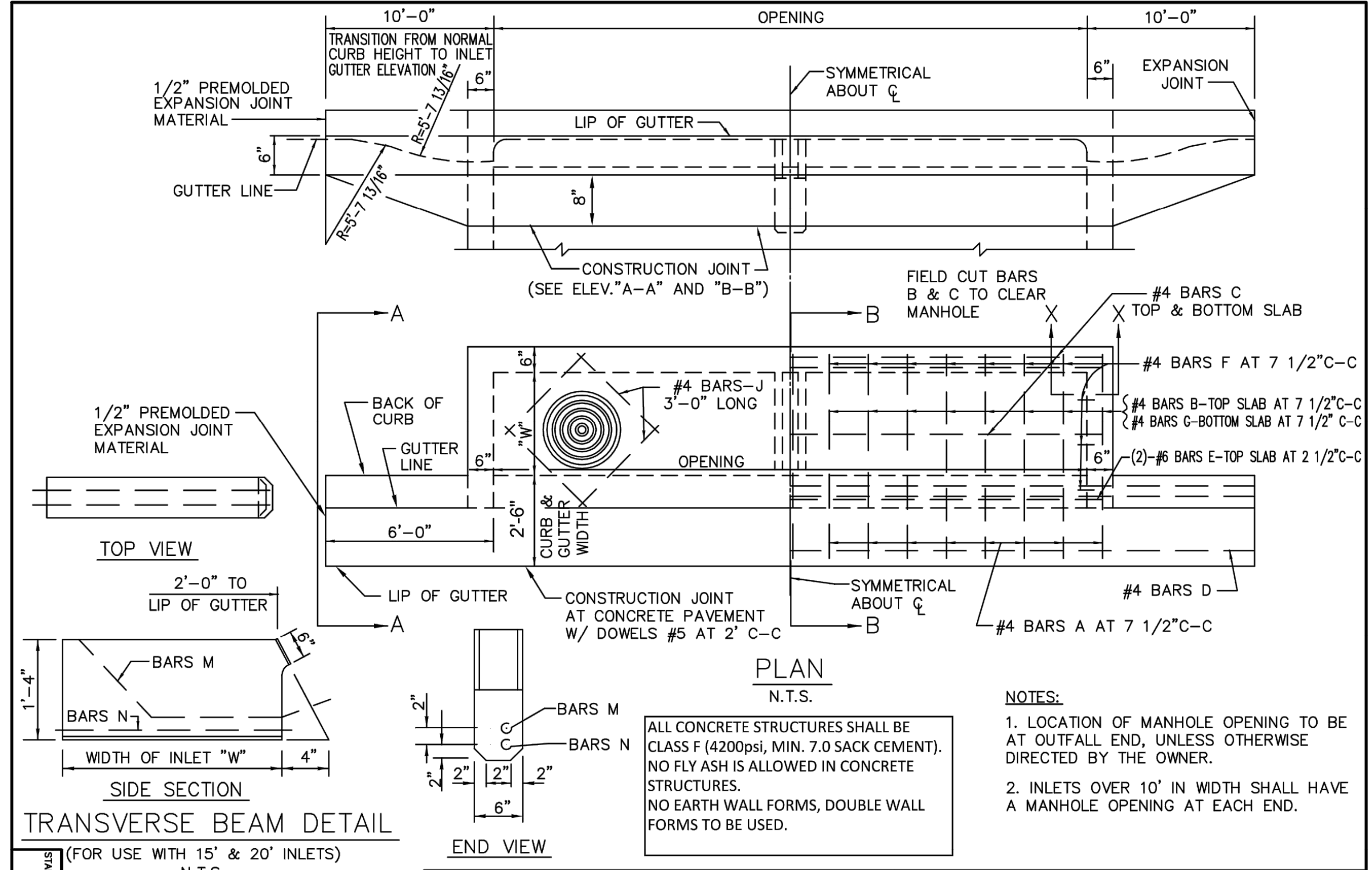
CORNER DETAIL
PLAN VIEW
N.T.S.

NOTES:

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

STORM WATER MANHOLE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.1.4.1*	
4', 5', OR 6' SQUARE		DATE Mar. 2018	STANDARD DRAWING NO. R-6010B

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


10'–0"
OPENING
10'–0"
TRANSITION FROM NORMAL CURB HEIGHT TO INLET GUTTER ELEVATION
6"
SYMMETRICAL ABOUT ℄
6"
EXPANSION JOINT
1/2" PREMOLDED EXPANSION JOINT MATERIAL
R=5'–7 13/16"
LIP OF GUTTER
6"
GUTTER LINE
R=5'–7 13/16"
8"
CONSTRUCTION JOINT (SEE ELEV."A–A" AND "B–B")
FIELD CUT BARS B & C TO CLEAR MANHOLE
#4 BARS C TOP & BOTTOM SLAB
A
B
X
#4 BARS F AT 7 1/2"C–C
1/2" PREMOLDED EXPANSION JOINT MATERIAL
BACK OF CURB
#4 BARS–J 3'–0" LONG
"W"
#4 BARS B–TOP SLAB AT 7 1/2"C–C
#4 BARS G–BOTTOM SLAB AT 7 1/2" C–C
GUTTER LINE
6"
OPENING
6"
(2)–#6 BARS E–TOP SLAB AT 2 1/2"C–C
6'–0"
2'–6"
CURB & GUTTER WIDTH
TOP VIEW
2'–0" TO LIP OF GUTTER
LIP OF GUTTER
CONSTRUCTION JOINT AT CONCRETE PAVEMENT W/ DOWELS #5 AT 2' C–C
SYMMETRICAL ABOUT ℄
#4 BARS D
#4 BARS A AT 7 1/2"C–C
6"
BARS M
1'–4"
BARS N
WIDTH OF INLET "W"
4"
SIDE SECTION
2"
BARS M
BARS N
2"
2"
2"
2"
6"
END VIEW

PLAN
N.T.S.

TRANSVERSE BEAM DETAIL
(FOR USE WITH 15' & 20' INLETS)
N.T.S.

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

NOTES:

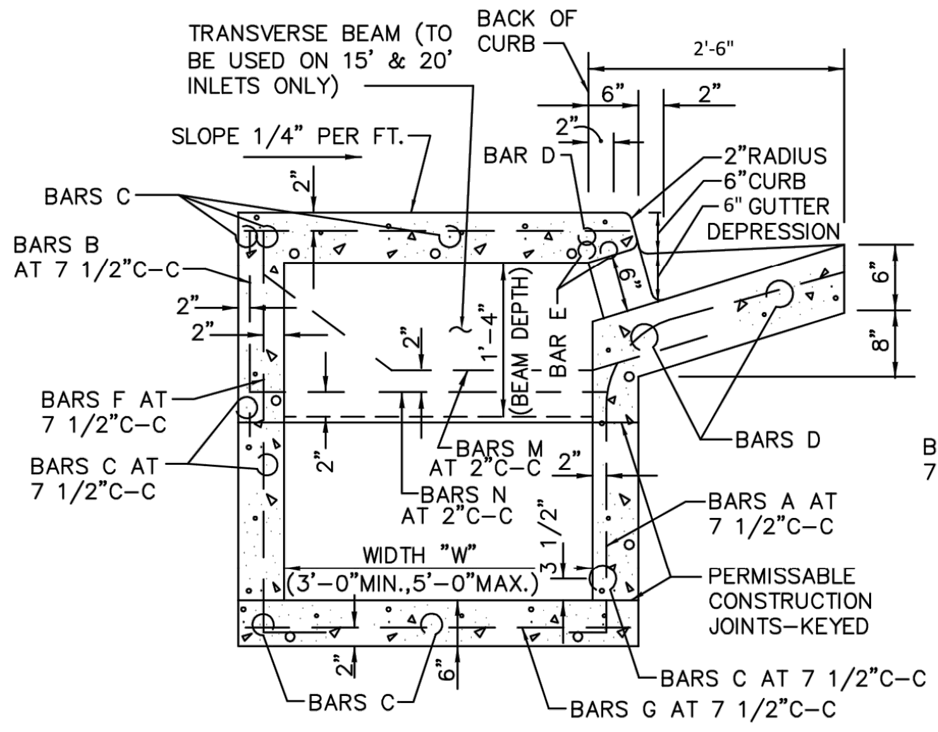
1. LOCATION OF MANHOLE OPENING TO BE AT OUTFALL END, UNLESS OTHERWISE DIRECTED BY THE OWNER.
2. INLETS OVER 10' IN WIDTH SHALL HAVE A MANHOLE OPENING AT EACH END.

STANDARD DRAWING NO. R-6020A

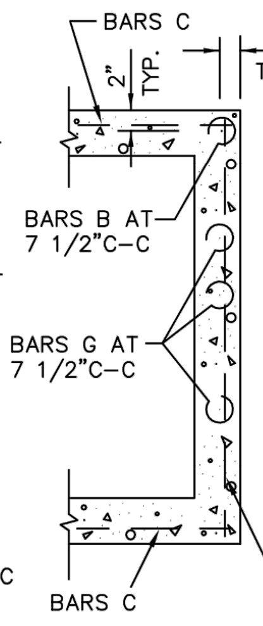
CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702	
5', 10', 15' OR 20' OPENING		DATE AUG. 2019	STANDARD DRAWING NO. R-6020A

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

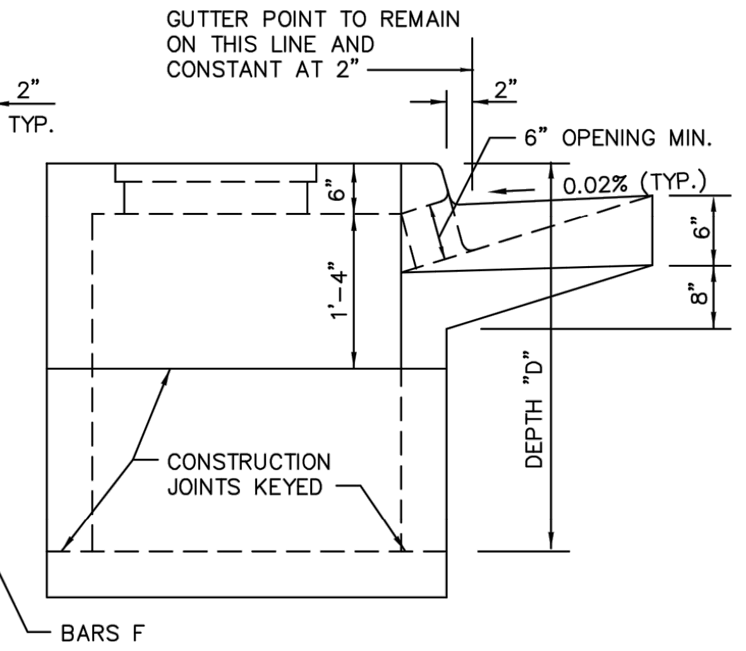
DATE: 5/11/2023 BY: DYLAN ADAME, P.E.


TRANSVERSE BEAM (TO BE USED ON 15' & 20' INLETS ONLY)
BACK OF CURB
2'-6"
6"
2"
2"
SLOPE 1/4" PER FT.
BAR D
2"RADIUS
6"CURB
6" GUTTER DEPRESSION
BARS C
BARS B AT 7 1/2"C–C
2"
2"
1'–4"
(BEAM DEPTH)
BAR E
6"
6"
8"
BARS F AT 7 1/2"C–C
BARS C AT 7 1/2"C–C
BARS M AT 2"C–C
2"
BARS D
BARS N AT 2"C–C
BARS A AT 7 1/2"C–C
3 1/2"
WIDTH "W" (3'–0"MIN.,5'–0"MAX.)
PERMISSABLE CONSTRUCTION JOINTS–KEYED
BARS C AT 7 1/2"C–C
2"
6"
BARS C
BARS G AT 7 1/2"C–C

SECTION "B–B"
N.T.S.


BARS C
2" TYP.
2" TYP.
BARS B AT 7 1/2"C–C
BARS G AT 7 1/2"C–C
BARS C

SECTION "X–X"
N.T.S.


GUTTER POINT TO REMAIN ON THIS LINE AND CONSTANT AT 2"
2"
6" OPENING MIN.
0.02% (TYP.)
6"
6"
8"
1'–4"
DEPTH "D"
CONSTRUCTION JOINTS KEYED
BARS F

SECTION "A–A"
N.T.S.

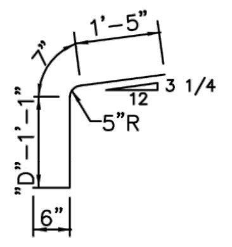
GENERAL NOTES:

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

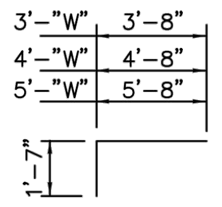
ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 7.0 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES. NO EARTH WALL FORMS, DOUBLE WALL FORMS TO BE USED.

STANDARD DRAWING NO. R-6020B

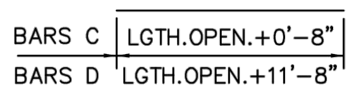
CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702	
CROSS SECTION & INLET THROAT		DATE AUG. 2019	STANDARD DRAWING NO. R-6020B


1'–5"
7"
3 1/4
12
5"R
"D"–1'–1"
6"

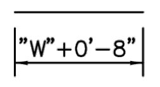
#4 BARS A
N.T.S.


3'–"W" 3'–8"
4'–"W" 4'–8"
5'–"W" 5'–8"
1'–7"

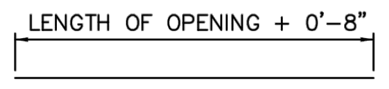
#4 BARS B
N.T.S.


BARS C LGTH.OPEN.+0'–8"
BARS D LGTH.OPEN.+11'–8"

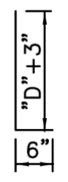
#4 BARS C & D
N.T.S.



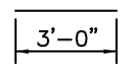
#4 BARS G
N.T.S.


LENGTH OF OPENING + 0'–8"

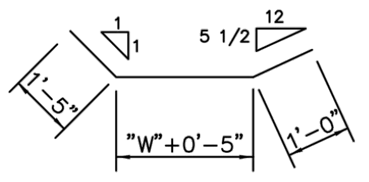
#4 BARS E
N.T.S.



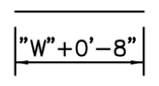
#4 BARS F
N.T.S.



#4 BARS J
N.T.S.

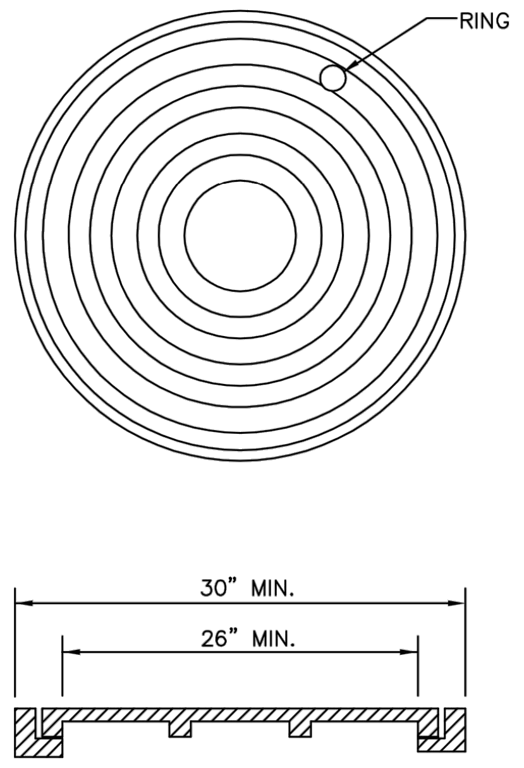

1
1
5 1/2
12
1'–5"
"W"+0'–5"
1'–0"

#3 BARS M
N.T.S.



#5 BARS N
N.T.S.

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


RING
30" MIN.
26" MIN.

CAST IRON
FRAME AND COVER
N.T.S

STANDARD DRAWING NO. 6020C

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

SUMMARY OF QUANTITIES FOR CURB INLETS

DEPTH "D"	5'–0" OPENING						10'–0" OPENING						15'–0" OPENING						20'–0" OPENING					
	WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"		WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"		WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"		WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"	
	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.
3'–6"	2.62	306	2.95	332	3.28	373	4.12	479	4.64	521	5.20	564	5.69	667	6.40	721	7.10	775	7.20	846	8.11	909	9.03	976
3'–9"	2.70	309	3.04	341	3.39	373	4.25	494	4.78	536	5.34	579	5.87	687	6.58	741	7.30	796	7.42	874	8.34	937	9.27	1010
4'–0"	2.78	328	3.14	364	3.49	399	4.38	518	4.92	565	5.49	610	6.05	718	6.77	776	7.49	835	7.64	909	8.58	976	9.51	1046
4'–3"	2.87	334	3.23	370	3.59	406	4.51	526	5.06	573	5.64	619	6.22	729	6.95	787	7.69	847	7.87	922	8.81	990	9.75	1061
4'–6"	2.95	356	3.32	394	3.69	431	4.64	558	5.20	607	5.79	656	6.40	770	7.14	830	7.88	891	8.09	973	9.04	1043	9.99	1115
4'–9"	3.03	361	3.41	410	3.79	438	4.77	566	5.34	616	5.94	665	6.57	780	7.32	841	8.07	903	8.31	986	9.27	1056	10.23	1129
5'–0"	3.12	367	3.51	416	3.90	445	4.90	574	5.47	624	6.09	674	6.75	791	7.51	853	8.27	915	8.53	999	9.50	1070	10.47	1144
5'–3"	3.20	383	3.60	424	4.00	465	5.03	600	5.61	652	6.23	704	6.93	827	7.69	890	8.46	955	8.76	1044	9.73	1118	10.71	1194
5'–6"	3.28	389	3.69	430	4.10	472	5.16	608	5.75	661	6.38	713	7.11	837	7.88	901	8.66	967	8.98	1057	9.97	1131	10.95	1208
5'–9"	3.37	405	3.78	451	4.20	495	5.29	635	5.89	690	6.53	744	7.28	874	8.07	940	8.85	1007	9.20	1102	10.20	1178	11.19	1258
6'–0"	3.45	415	3.88	460	4.30	504	5.42	646	6.03	702	6.68	757	7.45	888	8.25	954	9.05	1022	9.42	1119	10.43	1196	11.43	1276
6'–3"	3.53	425	3.97	470	4.41	515	5.55	661	6.17	718	6.83	773	7.63	908	8.44	975	9.24	1044	9.64	1147	10.66	1223	11.67	1305
6'–6"	3.62	437	4.06	486	4.51	532	5.68	681	6.31	739	6.97	797	7.81	935	8.62	1005	9.43	1057	9.87	1178	10.89	1258	11.92	1340
6'–9"	3.70	441	4.15	490	4.61	537	5.81	688	6.45	747	7.12	806	7.98	945	8.81	1015	9.63	1066	10.09	1191	11.12	1272	12.15	1355
7'–0"	3.78	460	4.25	510	4.71	560	5.94	716	6.59	777	7.27	837	8.16	981	8.99	1053	9.82	1126	10.31	1237	11.35	1319	12.40	1404
7'–3"	3.86	465	4.34	516	4.81	567	6.07	724	6.72	785	7.42	846	8.33	992	9.18	1065	10.02	1138	10.53	1249	11.59	1333	12.64	1418
7'–6"	3.95	477	4.43	529	4.91	570	6.20	742	6.86	804	7.57	866	8.51	1016	9.36	1089	10.21	1163	10.75	1290	11.82	1365	12.88	1451
7'–9"	4.03	491	4.53	544	5.02	597	6.33	762	7.00	826	7.71	890	8.67	1040	9.55	1116	10.41	1193	10.98	1313	12.05	1399	13.12	1498
8'–0"	4.12	496	4.62	550	5.12	604	6.46	770	7.14	834	7.86	899	8.86	1051	9.73	1129	10.60	1205	11.20	1325	12.28	1412	13.36	1510
8'–3"	4.20	504	4.71	559	5.22	613	6.59	784	7.28	849	8.01	915	9.04	1069	9.92	1149	10.80	1228	11.42	1353	12.51	1440	13.60	1529
8'–6"	4.28	519	4.80	576	5.32	632	6.71	804	7.42	871	8.16	938	9.21	1107	10.10	1176	10.99	1257	11.64	1385	12.74	1474	13.84	1565
8'–9"	4.37	528	4.90	586	5.42	643	6.84	819	7.56	886	8.31	954	9.39	1119	10.29	1199	11.18	1280	11.87	1410	12.97	1500	14.08	1592
9'–0"	4.45	545	4.99	605	5.53	664	6.97	842	7.70	912	8.46	982	9.56	1148	10.47	1231	11.38	1313	12.09	1447	13.21	1539	14.32	1631
9'–3"	4.53	554	5.08	614	5.63	674	7.10	858	7.84	929	8.60	999	9.74	1169	10.66	1252	11.57	1335	12.31	1474	13.44	1563	14.56	1660
9'–6"	4.62	568	5.17	630	5.73	692	7.23	878	7.97	950	8.75	1022	9.92	1195	10.84	1280	11.77	1365	12.53	1505	13.67	1600	14.80	1696
10'–0"	4.78	582	5.36	645	5.93	708	7.49	900	8.11	974	9.05	1048	10.27	1227	11.21	1312	12.16	1399	12.98	1546	14.13	1642	15.29	1739

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

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

STANDARD DRAWING NO. R-6020E

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

No.	REVISIONS	DATE

Kimley»Horn

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

DYLAN S. ADAME
138132
05/11/2023
Dylan Adame

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

STORM DETAILS

SHEET NUMBER
C-312

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
LAST SAVED 5/11/2023 2:59 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:07 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-STRM.dwg

SYSTEM ID	CONDUIT PROPERTIES															INCREMENTAL DRAINAGE AREA				ACCUMULATED CA	UPSTREAM Tc	DESIGN STORM FREQ.	INTENSITY I	RUNOFF Q	CONDUIT CAPACITY Qc	PARTIAL FLOW	VELOCITY V	TIME IN CONDUIT	FRICTION SLOPE Sf	FRICTION HEADLOSS	HGL		HEADLOSS CALCULATIONS					DESIGN HGL	TOP OF CURB ELEV.	HGL DEPTH BELOW T/C	REMARKS
	COLLECTION POINT STATION		LENGTH	# OF BARRELS	PIPE SIZE	BOX		TYPE	AREA	WETTED PERIMETER	HYDRAULIC RADIUS	MANNING'S n	FLOWLINE ELEVATION		SLOPE	INLET ID	AREA	RUNOFF COEFFICIENT C	INCREMENTAL CA												U/S	D/S	V1^2/2G	V2^2/2G	JCT. TYPE	COEFFICIENT Kj	HEADLOSS Hl				
	U/S	D/S				SPAN	RISE						UPSTREAM	DOWNSTREAM																											
			(FT)		(INCHES)	(FT)	(FT)		(SQ FT.)		(FT.)				(FT/FT)		(ACRES)				(MIN.)	(YR)	(IN/HR)	(CFS)	(CFS)	(YES/NO)	(FT/S)	(MIN)	(FT/FT)	(FT)			(FT)	(FT)			(FT)			(FT)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)
LINE A-1	0+00.67	0+69.09											557.21	557.87							13.53											563.48			OUTFALL	1.00	0.86	563.48	570.50	7.02	
			68.42	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					10.79				93.43	141.47	Full Flow	7.44	0.15	0.004	0.86											
	0+69.09	1+54.70											557.87	558.70		A-12	0.42	0.9	0.38		13.37	100.00	8.66								565.07	564.21	0.81	0.86	90° JUNCTION BOX	0.55	0.44	565.51	572.75	7.24	
			85.61	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					10.41				90.58	141.47	Full Flow	7.21	0.20	0.004	0.81											
	1+54.70	2+67.38											558.70	559.80		A-11	1.29	0.9	1.16		13.18	100.00	8.70								565.93	565.13	0.66	0.81	60° WYE	0.35	0.58	566.51	573.56	7.05	
			112.68	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					9.25				81.62	141.47	Full Flow	6.49	0.29	0.003	0.66											
	2+67.38	3+85.12											559.80	560.94			0	0.9	0.00		12.89	100.00	8.76								566.45	565.79	0.66	0.66	55° JUNCTION BOX	0.46	0.30	566.75	573.04	6.29	
			117.74	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					9.25				81.62	141.47	Full Flow	6.49	0.30	0.003	0.66											
	3+85.12	5+80.41											560.94	562.83		A-10	0.47	0.9	0.42		12.59	100.00	8.82								567.26	566.61	0.61	0.66	60° WYE	0.35	0.44	567.71	573.89	6.18	
			195.29	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					8.83				78.88	141.47	Full Flow	6.28	0.52	0.003	0.61											
	5+80.41	5+89.41											563.33	563.42		A-9	1.22	0.9	1.10		12.07	100.00	8.93								568.26	567.64	0.47	0.61	60° WYE	0.35	0.45	568.70	572.28	3.58	
			9.00	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					7.73				69.12	141.47	Full Flow	5.50	0.03	0.002	0.47											
	5+89.41	6+76.34											563.92	564.76		A-8	0.98	0.9	0.88		12.04	100.00	8.94								568.47	568.00	0.37	0.47	60° WYE	0.35	0.34	568.81	572.14	3.33	
			86.93	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					6.85				61.69	141.47	Full Flow	4.91	0.30	0.002	0.37											
	6+76.34	7+12.34											564.76	565.11		A-7	1.08	0.9	0.97		11.74	100.00	9.01								568.81	568.44	0.28	0.37	60° WYE	0.35	0.28	569.09	571.92	2.83	
			36.00	1	48	N/A	4	RCP	12.57	12.57	1.000	0.013			0.0097					5.88				53.28	141.47	Full Flow	4.24	0.14	0.001	0.28											
	7+12.34	7+66.08											565.11	565.63			0	0.9	0.00		11.60	100.00	9.04								569.06	568.78	0.88	0.28	35° MH	0.33	0.29	569.35	571.80	2.45	
			53.74	1	36	N/A	3	RCP	7.07	9.42	0.750	0.013			0.0097					5.88				53.28	65.69	Full Flow	7.54	0.12	0.006	0.88											
	7+66.08	8+67.07											566.14	567.11		A-6	1.11	0.9	1.00		11.48	100.00	9.07								570.67	569.79	0.62	0.88	60° WYE	0.35	0.67	571.34	572.10	0.76	
			99.99	1	36	N/A	3	RCP	7.07	9.42	0.750	0.013			0.0097					4.88				44.53	65.69	Full Flow	6.30	0.26	0.004	0.62											
	8+66.07	9+66.08											567.11	568.08		A-5	1.08	0.9	0.97		11.22	100.00	9.13								571.32	570.71	0.40	0.62	60° WYE	0.35	0.48	571.80	572.61	0.81	
			100.01	1	36	N/A	3	RCP	7.07	9.42	0.750	0.013			0.0097					3.91				35.97	65.69	Full Flow	5.09	0.33	0.003	0.40											
	9+66.08	10+66.08											568.08	569.05		A-4	0.97	0.9	0.87		10.89	100.00	9.21								571.71	571.31	0.25	0.40	60° WYE	0.35	0.32	572.03	573.11	1.08	
			100.00	1	36	N/A	3	RCP	7.07	9.42	0.750	0.013			0.0097					3.03				28.25	65.69	Full Flow	4.00	0.42	0.002	0.25											
	10+66.08	11+66.08											569.05	570.02		A-3	1.13	0.9	1.02		10.47	100.00	9.31								571.90	571.66	0.23	0.25	60° WYE	0.35	0.17	572.07	573.61	1.54	
			100.00	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0097					2.02				18.88	40.40	PARTIAL	3.85	0.21	0.002	0.23											
	11+66.08	12+62.48											570.02	570.96		A-2	1.16	0.9	1.04		10.27	100.00	9.37								572.32	572.09	0.06	0.23	0° MH	0.05	0.23	572.55	574.15	1.60	
			96.40	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0097					0.97				9.53	40.40	PARTIAL	1.94	0.24	0.001	0.06											
	12+62.48	12+74.50											570.96	571.07			0	0.9	0.00		10.03	100.00	9.43								572.30	572.25	0.06	0.06	45 DEGREE BEND	0.37	0.10	572.40	574.59	2.19	
			12.02	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0097					0.97				9.53	40.40	PARTIAL	1.94	0.03	0.001	0.06											
	12+74.50															A-1	1.08	0.9	0.97		10.00	100.00	9.80								572.41	572.35	0.00	0.06	10' CURB INLET	1.25	0.10	572.51	574.69	2.17	
LAT A-11	1+00.00	1+21.66											557.17	557.17							10.06	100.00										565.13			CONNECT TO LINE A			565.13	573.56	8.43	
			21.66	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.01	A-11				1.16				11.38	10.50	Full Flow	6.44	0.06	0.012	0.64											
	1+21.66													556.80			1.29	0.9	1.16		10.00		9.80								566.83	566.19	0.00	0.64	10' CURB INLET	1.25	0.80	567.63	573.47		
LAT A-10	1+00.00	1+39.79											561.82	560.57							10.28	100.00										566.61			CONNECT TO LINE A			566.61	573.89	7.28	
			39.79	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.2323	A-10				0.42				4.15	50.63	Full Flow	2.35	0.28	0.002	0.09											
	1+39.79													571.44			0.47	0.9	0.42		10.00		9.80								566.86	566.78	0.00	0.09	10' CURB INLET	1.25	0.11	566.97	574.94		
LAT A-9	1+00.00	1+11.55											564.04	562.79							10.03	100.00										568.00			CONNECT TO LINE A			568.00	572.14	4.14	
			11.55	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.3959	A-9				1.10				10.76	66.09	Full Flow	6.09	0.03	0.010	0.58											
	1+11.55													568.77			1.22	0.9	1.10		10.00		9.80								569.42	568.84	0.00	0.58	10' CURB INLET	1.25	0.72	570.14	572.16		
LAT A-8	1+00.00	1+11.55											564.40	563.40							10.04	100.00										568.00			CONNECT TO LINE A			568.00	572.10	4.10	
			11.55	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.3659	A-8				0.88				8.64	63.54	Full Flow	4.89	0.04	0.007	0.37											
	1+11.55													568.89			0.98	0.9	0.88		10.00		9.80								568.92	568.54	0.00	0.37	10' CURB INLET	1.25	0.46	569.38	572.15		
LAT A-7	1+00.00	1+11.55											565.64	564.89							10.04	100.00										568.44			CONNECT TO LINE A			568.44	572.10	3.66	
			11.55	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.2367	A-7				0.97				9.53	51.10	Full Flow	5.39	0.04	0.008	0.45											
	1+11.55													568.53			1.08	0.9	0.97		10.00		9.80								569.55	569.10	0.00	0.45	10' CURB INLET	1.25	0.56	570.11	571.75		
LAT A-6	1+00.00	1+09.81											566.66	565.91							10.03	100.00										569.79			CONNECT TO LINE A			569.79	573.11	3.32	
			9.81	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.2205	A-6				1.00				9.79	49.32	Full Flow	5.54	0.03	0.009	0.48											
	1+09.81													569.24			1.11	0.9	1.00		10.00		9.80								570.94	570.47	0.00	0.48	10' CURB INLET	1.25	0.60	571.54	572.05		
LAT A-5	1+00.00	1+09.82											568.05	567.55							10.03	100.00										570.71			CONNECT TO LINE A			570.71	572.14	1.43	
			9.82	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.1472	A-5				0.97				9.53	40.30	Full Flow	5.39	0.03	0.008	0.45											
	1+09.82													569.87			1.08	0.9	0.97		10.00		9.80								571.80	571.35	0.00	0.45	10' CURB INLET	1.25	0.56	572.37	572.55		
LAT A-4	1+00.00	1+09.82											569.19	568.69							10.03	100.00										571.31			CONNECT TO LINE A			571.31	572.10	0.79	
			9.82	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.0995	A-4				0.87				8.56	33.13	Full Flow	4.84	0.03	0.007	0.36											
	1+09.82													570.50			0.97	0.9	0.87		10.00		9.80								572.19	571.83	0.00	0.36	10' CURB INLET	1.25	0.45	572.65	573.05		
LAT A-3	1+00.00	1+09.82											570.58	570.33							10.03	100.00										571.66			CONNECT TO LINE A			571.66	572.14	0.48	
			9.82	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.0518	A-3				1.02				9.97	23.91	Full Flow	5.64	0.03	0.009	0.49											
	1+09.82													571.13			1.13	0.9	1.02		10.00		9.80								572.86	572.36	0.00	0.49	10' CURB INLET	1.25	0.62	573.47	573.55		
LAT A-2	1+00.00	1+09.82											571.72	574.47							10.03	100.00										572.09			CONNECT TO LINE A			572.09	571.80	-0.29	
			9.82	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.0041	A-2				1.04				10.23	6.73	Full Flow	5.79	0.03	0.009	0.52											
	1+09.82													572.03			1.16	0.9	1.04		10.00		9.80								573.36	572.84	0.00	0.52	10' CURB INLET	1.25	0.65	574.01	574.05		

SYSTEM ID	CONDUIT PROPERTIES															INCREMENTAL DRAINAGE AREA				ACCUMULATED CA	UPSTREAM Tc	DESIGN STORM FREQ.	INTENSITY I	RUNOFF Q	CONDUIT CAPACITY Qc	PARTIAL FLOW	VELOCITY V	TIME IN CONDUIT	FRICTION SLOPE Sf	FRICTION HEADLOSS	HGL		HEADLOSS CALCULATIONS					DESIGN HGL	TOP OF CURB ELEV.	HGL DEPTH BELOW T/C	REMARKS
	COLLECTION POINT STATION		LENGTH	# OF BARRELS	PIPE SIZE	BOX		TYPE	AREA	WETTED PERIMETER	HYDRAULIC RADIUS	MANNING'S n	FLOWLINE ELEVATION		SLOPE	INLET ID	AREA	RUNOFF COEFFICIENT C	INCREMENTAL CA												U/S	D/S	V1^2/2G	V2^2/2G	JCT. TYPE	COEFFICIENT Kj	HEADLOSS Hl				
	U/S	D/S				SPAN	RISE						UPSTREAM	DOWNSTREAM																											
			(FT)		(INCHES)	(FT)	(FT)		(SQ FT.)		(FT.)				(FT/FT)		(ACRES)				(MIN.)	(YR)	(IN/HR)	(CFS)	(CFS)	(YES/NO)	(FT/S)	(MIN)	(FT/FT)	(FT)			(FT)	(FT)			(FT)			(FT)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)
LINE B-1	0+94.08	2+70.25											557.15	560.46							13.51											563.48			OUTFALL			563.48	570.42		
			176.17	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0188					3.32		100		29.14	56.24	FULL FLOW	5.94	0.49	0.005	0.55											
	2+70.25	3+35.30											560.46	561.68			0.00	0.90	0.00		13.01		8.73								565.26	564.71	0.55	0.55	45 DEGREE BEND	0.37	0.34	565.60	575.73	10.13	
			65.05	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0188					3.32		100		29.14	56.24	FULL FLOW	5.94	0.18	0.005	0.55											
	3+35.30	3+44.89											561.68	561.87			0.00	0.90	0.00		12.83		8.77								565.68	565.14	0.55	0.55	45 DEGREE BEND	0.37	0.10	565.78	574.83	9.05	
			9.59	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0188					3.32		100		29.14	56.24	FULL FLOW	5.94	0.03	0.005	0.55											
	3+44.89	6+40.89											561.87	565.33		B-5	0.49	0.90	0.44		12.80		8.78								566.08	565.53	0.42	0.55	60° MH	0.48	0.34	566.42	574.82	8.40	
			296.00	1	30	N/A	2.5	RCP	4.91	7.85	0.625	0.013			0.0117					2.88		100		25.60	44.37	PARTIAL	5.22	0.53	0.004	0.42											
	6+40.89	9+59.89											565.83	569.56		B-4	0.69	0.90	0.62		12.27		8.89								567.33	566.91	0.65	0.42	60° MH	0.48	0.23	567.57	577.66	10.09	
			319.00	1	24	N/A	2.0	RCP	3.14	6.28	0.500	0.013			0.0117					2.26		100		20.39	24.47	PARTIAL	6.49	0.61	0.008	0.65											
	9+59.89	13+43.89											569.56	574.05		B-3	1.13	0.90	1.02		11.66		9.03								570.70	570.04	0.21	0.65	60° MH	0.48	0.55	571.25	580.49	9.24	
			384.00	1	24	N/A	2.0	RCP	3.14	6.28	0.500	0.013			0.0117					1.24		100		11.46	24.47	PARTIAL	3.65	0.84	0.003	0.21											
	13+43.89	16+07.14											574.53	577.61		B-2	0.85	0.90	0.77		10.83		9.22								571.38	571.18	0.11	0.21	60° MH	0.48	0.15	571.54	583.64	12.10	
			263.25	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.0117					0.48		100		4.67	11.36	PARTIAL	2.65	0.72	0.002	0.11											
	16+07.14	16+44.62											577.61	578.05			0.00	0.90	0.00		10.10		9.41								571.90	571.79	0.11	0.11	45 DEGREE BEND	0.37	0.10	572.00	584.80	12.80	
			37.48	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.0117					0.48		100		4.67	11.36	PARTIAL	2.65	0.10	0.002	0.11											
	16+44.62															B-1	0.53	0.90	0.48		10.00		9.80								572.08	571.97	0.00	0.11	10' CURB INLET	1.25	0.10	572.18	581.54	9.36	
LAT B-5	1+00.00	1+07.51											562.36	571.92							10.00											566.08			CONNECT TO LINE B			566.08			
			7.51	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			1.2736					0.65		100		6.35	118.54	PARTIAL	3.59	0.00	0.004	0.20											
	1+07.51													571.92		B-5	0.72	0.90	0.65		10.00		9.80								566.55	566.35	0.00	0.20	10' CURB INLET	1.25	0.25	566.81	575.90	9.09	
LAT B-4	1+00.00	1+07.51											565.82	573.99							10.00											567.33			CONNECT TO LINE B			567.33			
			7.51	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			1.0873					0.74		100		7.23	109.53	PARTIAL	4.09	0.00	0.005	0.26											
	1+07.51													573.99		B-4	0.82	0.90	0.74		10.00		9.80								567.95	567.69	0.00	0.26	10' CURB INLET	1.25	0.33	568.28	577.59	9.31	
LAT B-3	1+00.00	1+07.51											569.79	575.50							10.00											570.70			CONNECT TO LINE B			570.70			
			7.51	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.7608					1.02		100		9.97	91.62	PARTIAL	5.64	0.00	0.009	0.49											
	1+07.51													575.50		B-3	1.13	0.90	1.02		10.00		9.80								571.87	571.38	0.00	0.49	10' CURB INLET	1.25	0.62	572.49	578.96	6.47	
LAT B-2	1+00.00	1+07.51											574.28	578.09							10.00											571.38			CONNECT TO LINE B			571.38			
			7.51	1	18	N/A	1.5	RCP	1.77	4.71	0.375	0.013			0.5078					0.77		100		7.50	74.85	PARTIAL	4.24	0.00	0.005	0.28											
	1+07.51													578.09		B-2	0.85	0.90	0.77		10.00		9.80								572.05	571.77	0.00	0.28	10' CURB INLET	1.25	0.35	572.40	580.86	8.46	

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023

BY: DYLAN ADAME, P.E.

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xSswr : xWatr : oStrm : xDmap
LAST SAVED 5/11/2023 2:59 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:07 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-STRM.dwg

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

HGL CALCULATIONS

SHEET NUMBER
C-313

CITY FILE NO. SP2023-006

					INLETS ON SAG								Drop Inlets			
Inlet	On-Site Drainage Area	On-Site Flow (Q)	Total Gutter Flow (Q)	Type of Inlet	Length of Inlet	Max Depth of Ponding	Depression	Width of Depression	H_1	Height of Inlet Opening	Inlet Capacity	Length Required	Grate Size	Max Allowable Depth	Perimeter	Inlet Capacity at Max Depth
Stm. Line	ACRES	(cfs)	(cfs)		L (ft)	(ft)	H_2 (ft)	W (ft)	H_1(ft)	h (ft)	Q (cfs)	L (ft)	(ft)	(ft)	(ft)	(cfs)
SYSTEM A																
A1	1.08	10.28	10.28	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	9.04				
A2	1.16	11.08	11.08	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	10.02				
A3	1.13	10.83	10.83	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	9.72				
A4	0.97	9.30	9.30	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	7.84				
A5	1.08	10.28	10.28	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	9.05				
A6	1.11	10.65	10.65	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	9.49				
A7	1.08	10.29	10.29	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	9.06				
A8	0.98	9.41	9.41	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	7.97				
A9	1.22	11.62	11.62	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	10.69				
A10	0.47	4.47	4.47	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	1.90				
A11	0.42	3.97	3.97	6'x6' DROP INLET									6x6	0.5	24	17.8
A12	0.71	6.81	6.81	6'x6' DROP INLET									6x6	0.5	24	17.8
SYSTEM B																
B1	0.53	5.05	5.05	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	2.61				
B2	0.85	8.13	8.13	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	6.40				
B3	1.13	10.82	10.82	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	9.71				
B4	0.69	6.61	6.61	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	4.53				
B5	0.49	4.72	4.72	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	2.20				

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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

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

05/11/2023

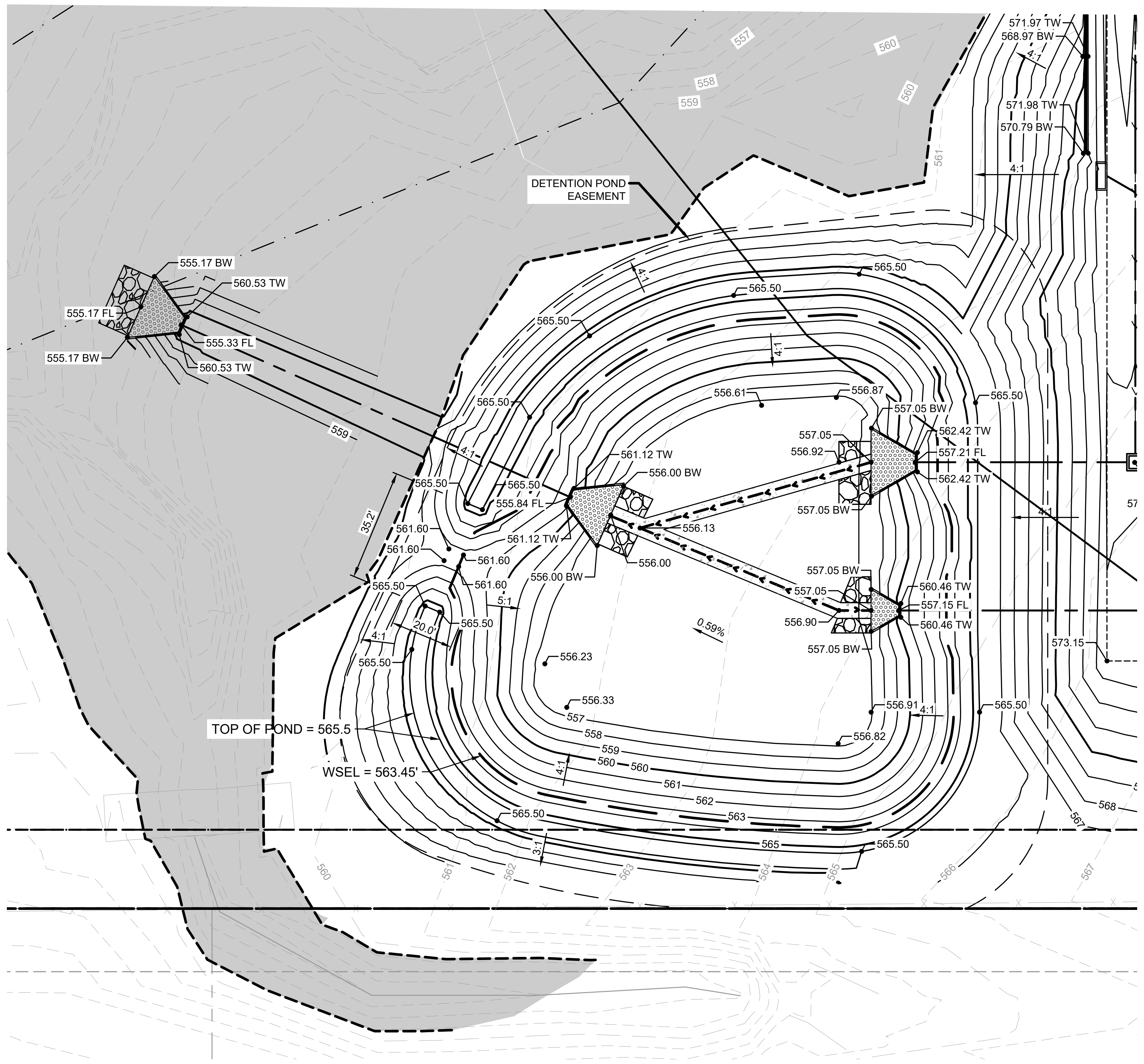
KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

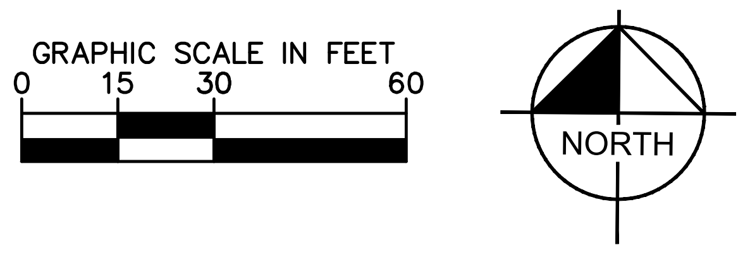
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

INLET CALCS

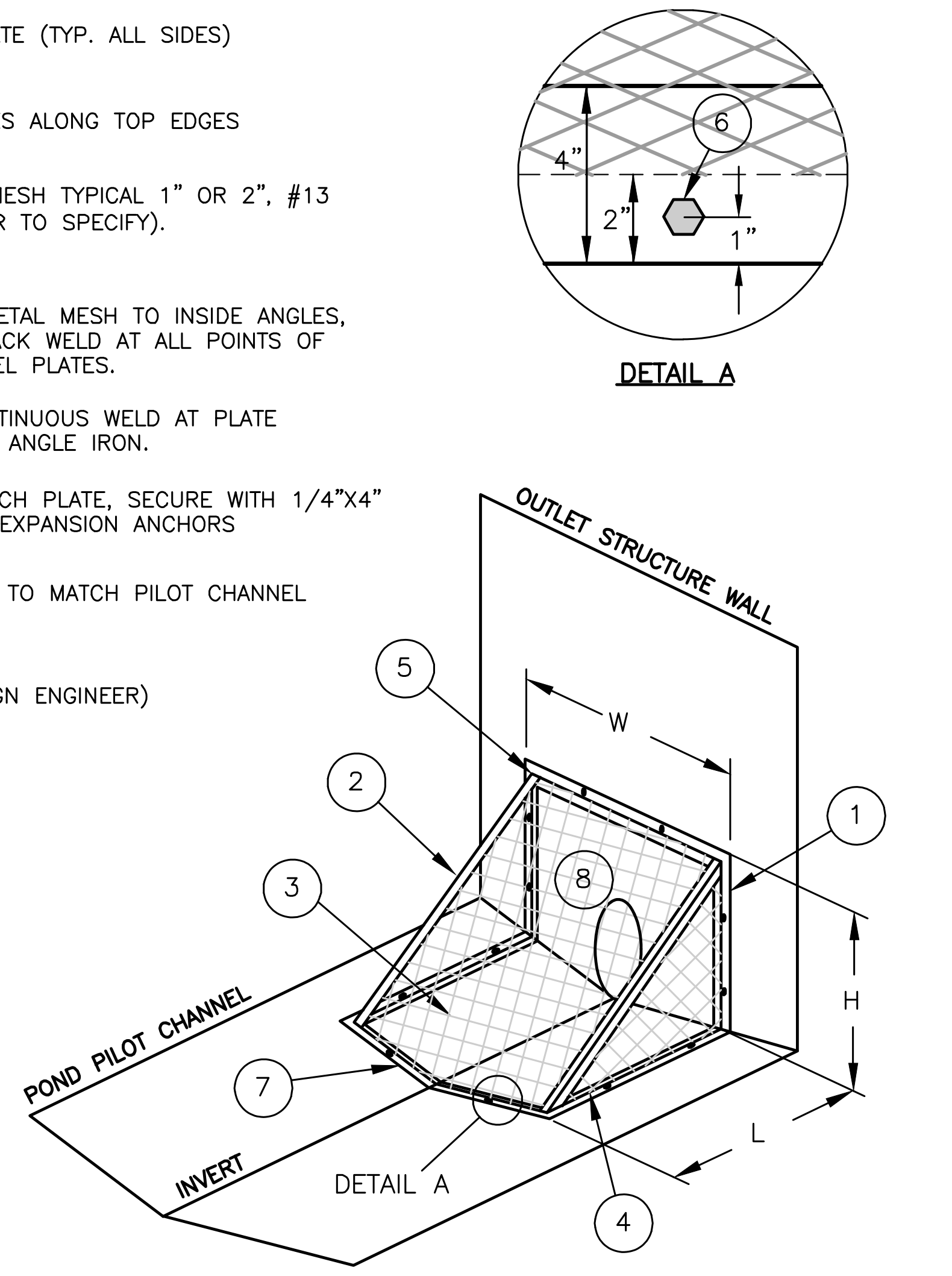
SHEET NUMBER
C-314

CITY FILE NO. SP2023-006


DETENTION POND EASEMENT
555.17 BW
560.53 TW
555.17 FL
555.33 FL
555.17 BW
560.53 TW
559
35.2'
4:1
565.50
555.84 FL
561.12 TW
556.00 BW
561.60
5:1
20.0'
556.23
556.33
557
558
559
560
561
562
563
565
556.61
556.87
557.05 BW
557.05
556.92
562.42 TW
557.21 FL
562.42 TW
556.13
556.00
557.05 BW
557.05
560.46 TW
557.15 FL
556.90
560.46 TW
0.59%
556.91
556.82
3:1
571.97 TW
568.97 BW
571.98 TW
570.79 BW
573.15
567
568
TOP OF POND = 565.5
WSEL = 563.45'


GRAPHIC SCALE IN FEET
0
15
30
60
NORTH

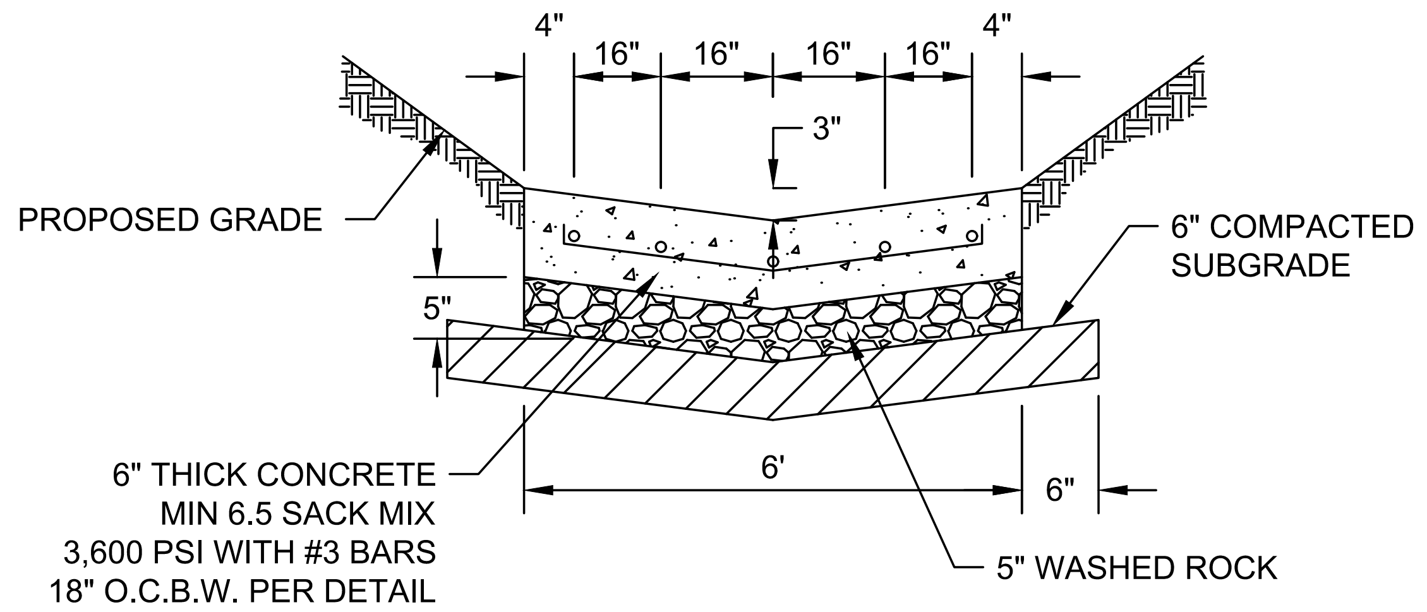
1. 1/4"X4" STEEL PLATE (TYP. ALL SIDES)
2. 1"X1" STEEL ANGLES ALONG TOP EDGES
3. EXPANDED METAL MESH TYPICAL 1" OR 2", #13 REGULAR (ENGINEER TO SPECIFY).
4. WELD EXPANDED METAL MESH TO INSIDE ANGLES, TOP AND SIDES. TACK WELD AT ALL POINTS OF CONTACT WITH STEEL PLATES.
5. PROVIDE FULL CONTINUOUS WELD AT PLATE CONNECTIONS WITH ANGLE IRON.
6. DRILL HOLES, 2 EACH PLATE, SECURE WITH 1/4"X4" GALVANIZED STEEL EXPANSION ANCHORS
7. BEND STEEL PLATE TO MATCH PILOT CHANNEL AS NEEDED
8. ORIFICE (PER DESIGN ENGINEER)


6
4"
2"
1"
DETAIL A
OUTLET STRUCTURE WALL
5
W
2
1
3
8
H
POND PILOT CHANNEL
7
INVERT
DETAIL A
L
4

DISCLAIMER:
THIS DETAIL IS INTENDED AS AN EXAMPLE ONLY. THE DESIGN ENGINEER SHALL DESIGN AND SIZE A TRASH RACK SPECIFIC TO THE PROJECT. TRASH RACKS SHALL BE PRIVATELY MAINTAINED BY OWNER.

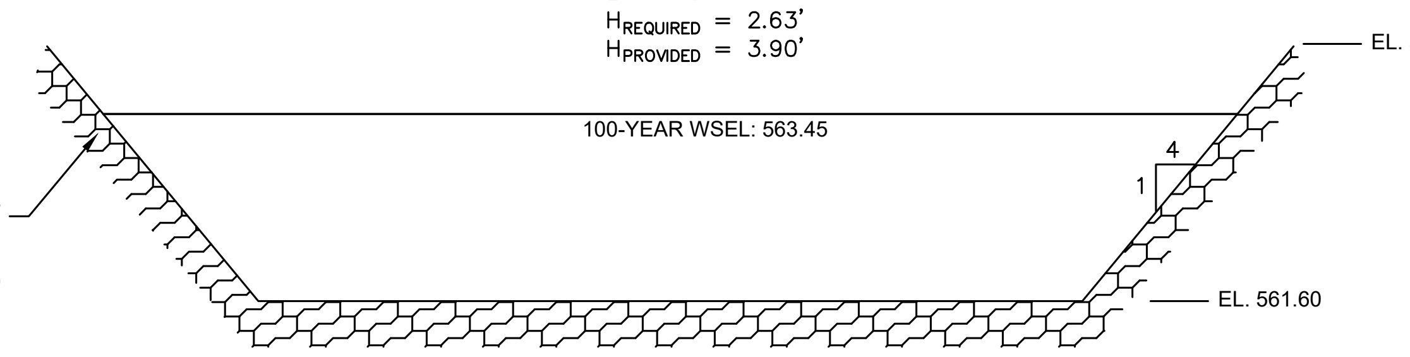
NOTES:
1. ALL COMPONENTS OF TRASH RACK SHALL BE GALVANIZED OR CONSTRUCTED OF APPROVED CORROSION RESISTANT MATERIALS.
2. DESIGN ENGINEER SHALL SPECIFY LENGTH(L), WIDTH(W), HEIGHT(H) AND MESH SIZE OF TRASH RACK.
3. TOP OR SIDES OF TRASH RACK MUST BE REMOVABLE BY HINGE OR OTHER METHOD TO ALLOW ACCESS INSIDE FOR CLEANING OF DEBRIS AND SEDIMENT.

DETENTION POND TRASH RACK
CITY OF McKINNEY, TEXAS
DATE: JULY 1, 2016
STANDARD DRAWING NO.
6200M


4"
16"
16"
16"
16"
4"
3"
PROPOSED GRADE
6" COMPACTED SUBGRADE
5"
6'
6"
6" THICK CONCRETE MIN 6.5 SACK MIX 3,600 PSI WITH #3 BARS 18" O.C.B.W. PER DETAIL
5" WASHED ROCK

CONCRETE PILOT CHANNEL DETAIL
N.T.S.

$Q = C*L*H^{1.5}$
$Q_{100} = 145.73$ cfs
$C = 3.00$
$L = 4.0'$
$H_{REQUIRED} = 2.63'$
$H_{PROVIDED} = 3.90'$


EL. 565.50
100-YEAR WSEL: 563.45
4
1
EL. 561.60
±78 SY OF TURF REINFORCEMENT MAT (Vmax SC250 BY NORTH AMERICAN GREEN OR APPROVED EQUAL)

SPILLWAY SPILLWAY DETAIL
N.T.S.

NOTE: THE PRIMARY OUTFALL IS A 27" RCP CULVERT. THE SPILLWAY WILL START CONVEYING FLOW AT ELEVATION 561.60. IF THE PRIMARY OUTFALL IS BLOCKED, THE SPILLWAY ACTS AS AN EMERGENCY OVERFLOW.

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

LEGEND	
PROPERTY LINE	— — —
PROPOSED CONTOUR	—
EXISTING CONTOUR	- - - -
PROPOSED RIDGE LINE	— R — R — R —
PROPOSED STORM DRAIN PIPE	═══
SWALE	— < — < — < —
TOP OF PAVEMENT ELEVATION	•— 540
TOP OF CURB ELEVATION	•— 540, TC
PAVEMENT ELEVATION AT GUTTER LINE OF INLET	•— 540, GL INLET
MATCH TO EXISTING ELEVATION	•— 540, ME
ELEVATION AT TOP OF GRATE	•— 540, TG
ELEVATION AT FINISHED GROUND	•— 540, FG
ELEVATION AT FINISHED FLOOR	•— 540, FF
ELEVATION AT FLOW LINE	•— 540, FL
FLOW DIRECTION OF ROOF	⇦

NOTES
1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS, THE FINAL GEOTECHNIAL REPORT AND ALL ISSUED ADDENDUMS, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
2. ALL GRADING SPOTS SHOWN REFERENCE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER SLOPE LABELS AT ALL TIMES.
3. THE MINIMUM SLOPE OF ALL GRASSED AREAS SHALL BE 1%. MAXIMUM SLOPE OF ALL GRASSED OR OTHERWISE VEGETATED AREAS SHALL BE 25%. ALL SITE DISTURBED AREAS SHALL BE STABILIZED PER THE EROSION CONTROL PLAN, THE CITY STANDARDS, AND THE SWPPP.
4. ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE.
5. CONTRACTOR TO VERIFY T.A.S. COMPLIANCE. FOR ANY QUESTIONS CONTACT OWNER/ARCHITECT IMMEDIATELY.
6. CONTRACTOR TO VERIFY ENGINEERING PLANS MATCH ARCHITECTURAL PLANS BEFORE CONSTRUCTION STAKING.
7. GRADES IN ACCESSIBILITY ROUTING, INCLUDING CROSSING DRIVEWAYS, SHALL CONFORM TO T.A.S. STANDARDS: NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE.
8. PRIOR TO BEGINNING CONSTRUCTION, OWNER/CONTRACTOR TO HAVE ALL CONSTRUCTION DOCUMENTS REVIEWED AND APPROVED BY T.A.S. CONSULTANT.
9. FOLLOWING CONSTRUCTION, OWNER/CONTRACTOR TO HAVE ALL CONSTRUCTION REVIEWED AND APPROVED BY T.A.S. COMPLIANCE CONSULTANT.
10. SEE STORM CURB INLET SECTION GUTTERLINE PER THIS SHEET FOR RELATIONSHIP OF NORMAL GUTTERLINE (PER PLAN) TO THROAT ELEVATION (PER DETAIL).
11. ALL TREES, STUMPS, BRUSH, GRASSES AND SURFACE ORGANICS ARE TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED ON THE LANDSCAPE PLAN. TREE REMOVAL PERMITS (IF APPLICABLE) SHALL BE OBTAINED BY THE OWNER OR THE CONTRACTOR PRIOR TO COMMENCEMENT OF GRADING.
12. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER THE PLANS AND MAINTAIN STREETS FREE OF MUD, DIRT AND DEBRIS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. SEE EROSION CONTROL SHEET C-601 FOR SPECIFIC DETAILS AND REQUIREMENTS.
13. ALL SITE DISTURBED AREAS SHALL BE STABILIZED PER THE EROSION CONTROL PLAN, THE CITY STANDARDS, AND THE SWPPP.
14. REFERENCE STREAM ROCKWALL DRAINAGE STUDY BY KIMLEY-HORN DATED 09/15/2021 FOR POND SIZING CALCULATIONS.

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

DYLAN S. ADAME 138132
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

DETENTION POND PLAN

SHEET NUMBER
C-315

CITY FILE NO. SP2023-006

IMAGES McKinney Trash Rack Detail71db5d12 : DSA :
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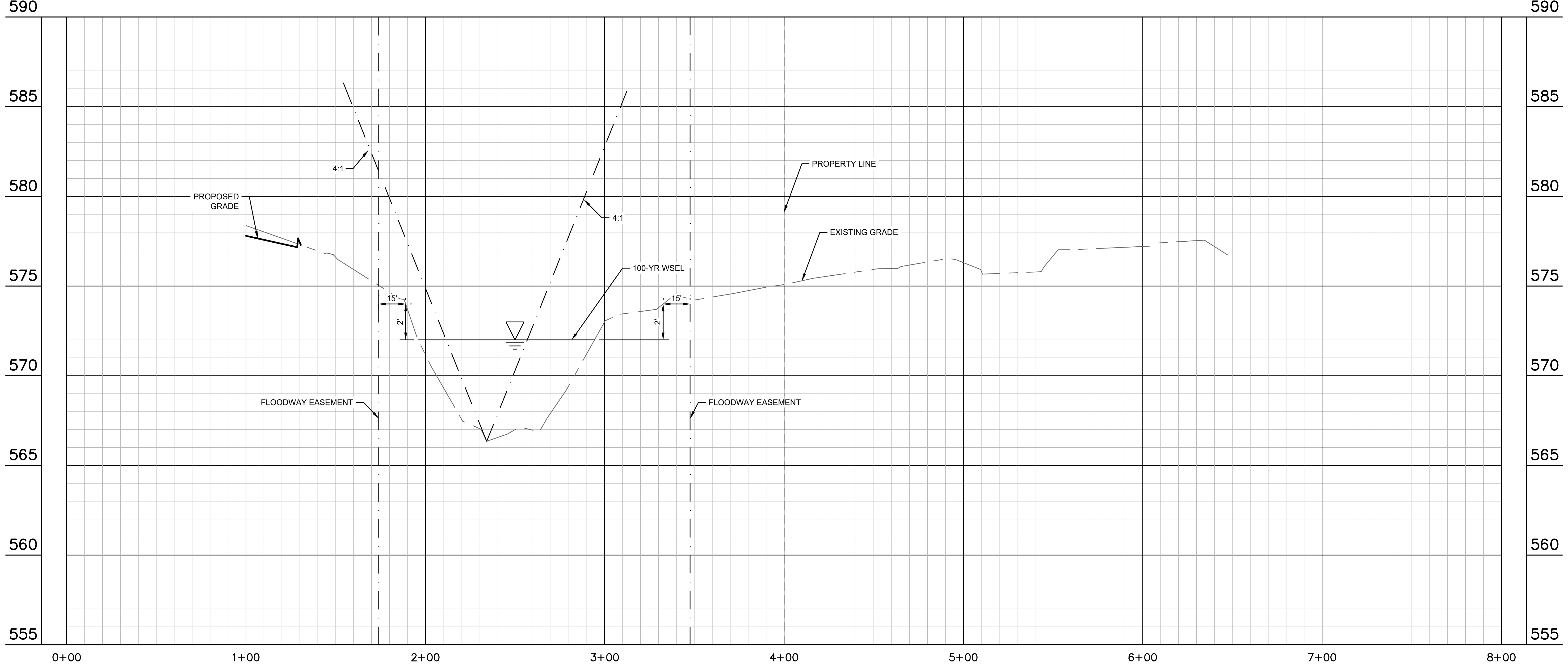

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PROPOSED GRADE
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PROPERTY LINE
EXISTING GRADE
100-YR WSEL
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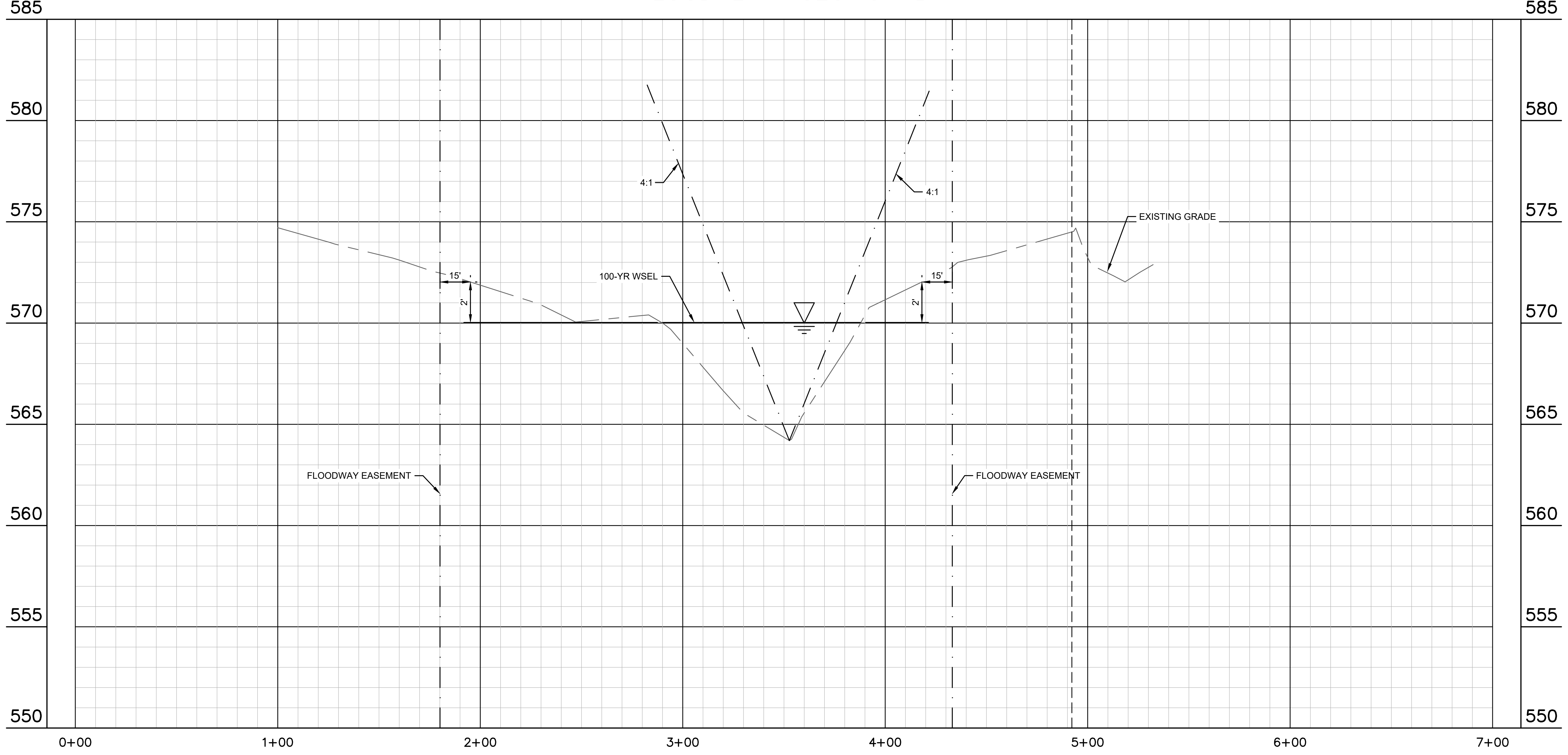
FLOODPLAIN SECTION B



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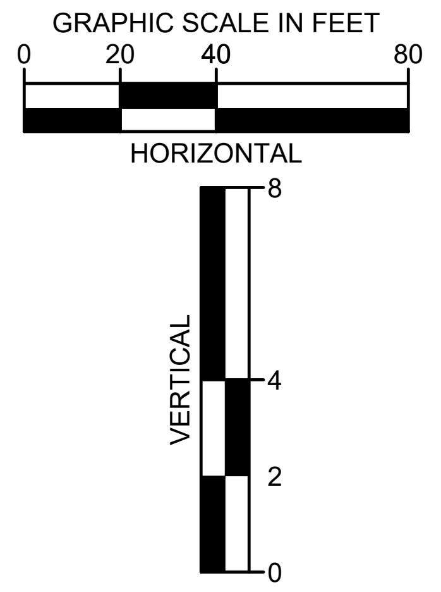

GRAPHIC SCALE IN FEET
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"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

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WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

FLOODPLAIN SECTIONS (1 OF 5)

SHEET NUMBER
C-316

CITY FILE NO. SP2023-006

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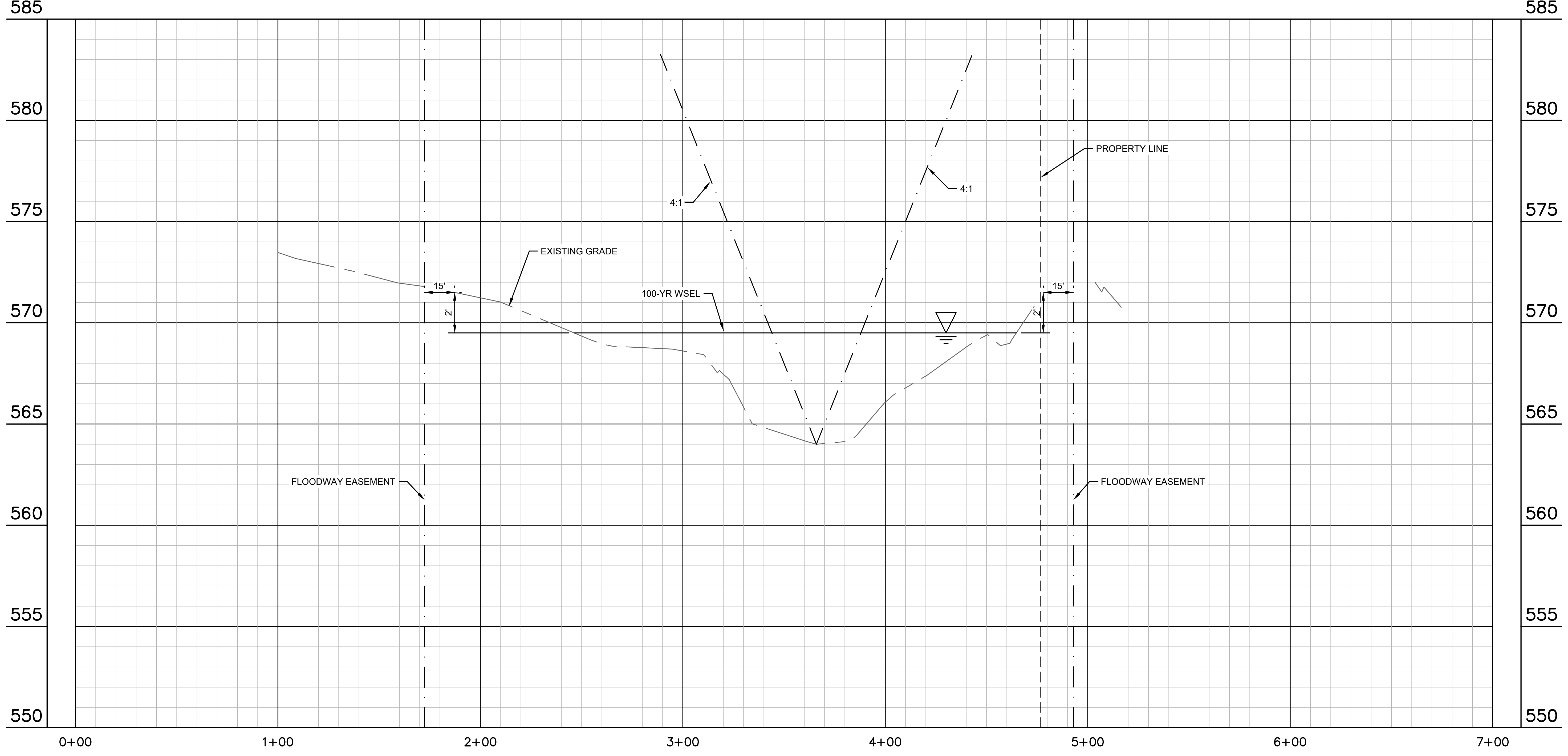
DWG NAME C-Floodplain Sections.dwg

FLOODPLAIN SECTION C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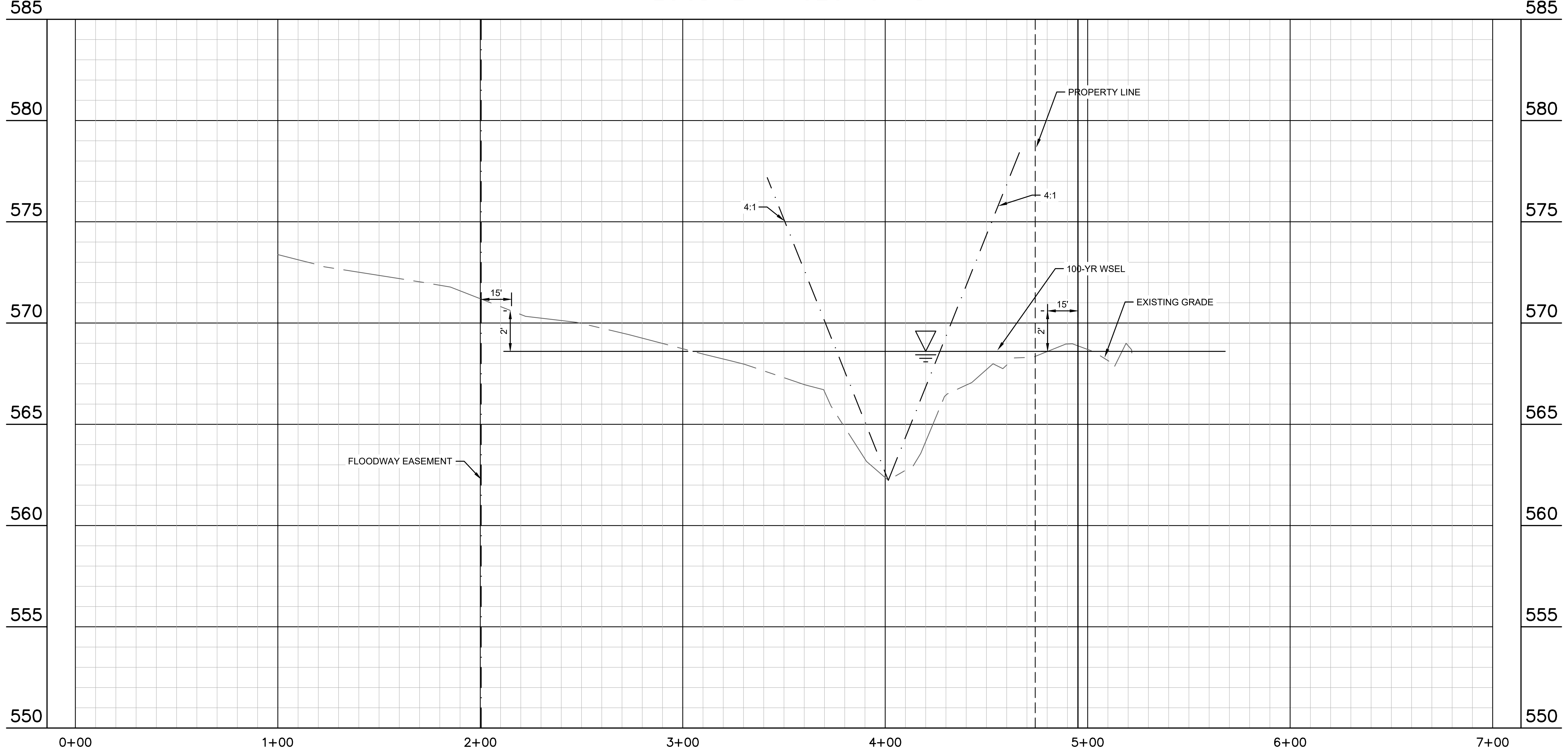
FLOODPLAIN SECTION D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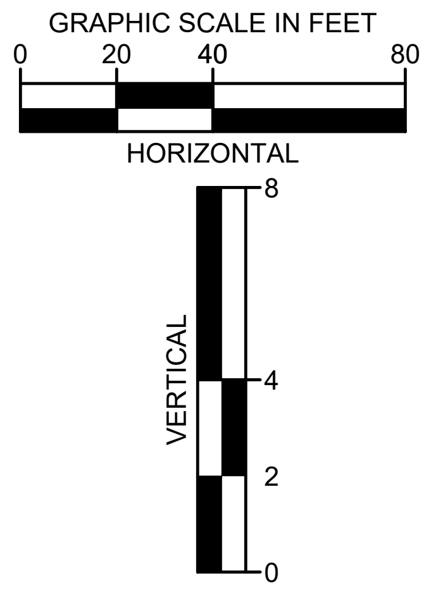
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DYLAN S. ADAME
138132
05/11/2023

KHA PROJECT 068213100	
DATE MAY 2023	
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

FLOODPLAIN SECTIONS (2 OF 5)

SHEET NUMBER
C-317

CITY FILE NO. SP2023-006

IMAGES DSA :
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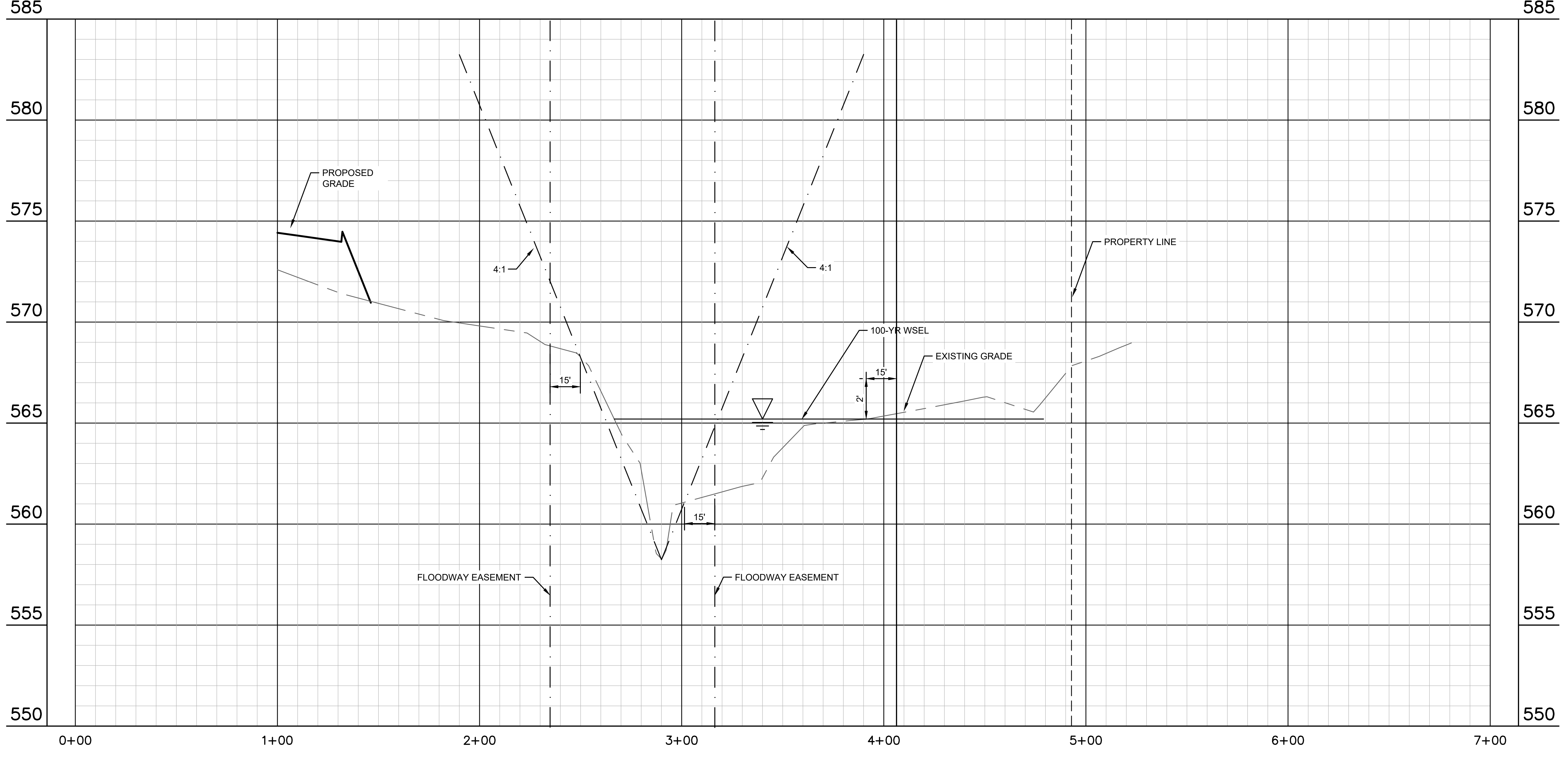
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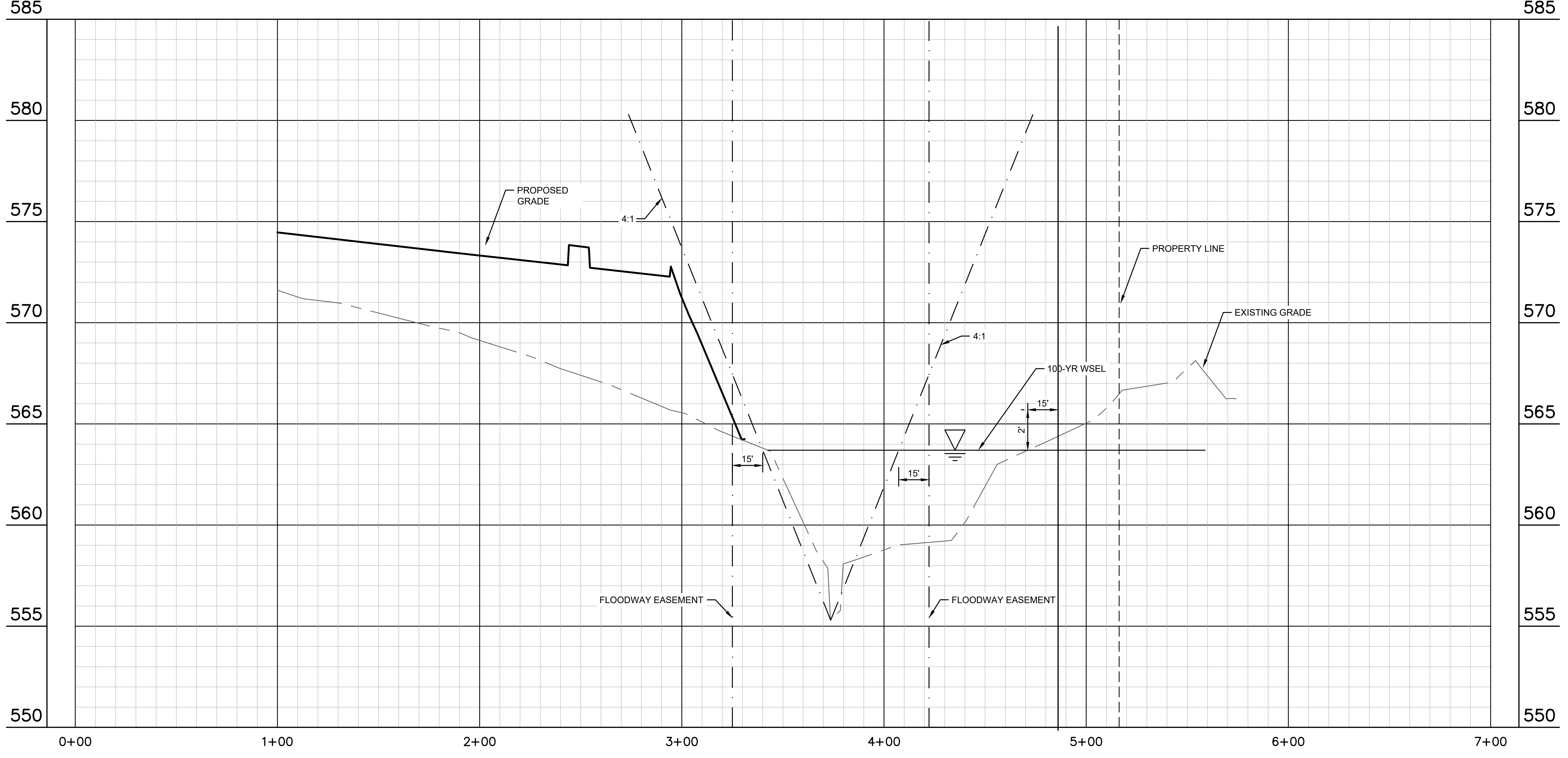
FLOODWAY EASEMENT
FLOODWAY EASEMENT

FLOODPLAIN SECTION F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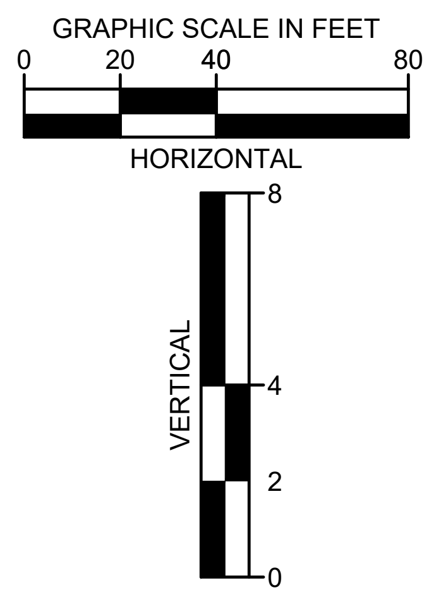
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DYLAN S. ADAME 138132
Dylan Adame 05/11/2023

KHA PROJECT 068213100
DATE MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

FLOODPLAIN SECTIONS (3 OF 5)

SHEET NUMBER
C-318

CITY FILE NO. SP2023-006

IMAGES DSA :
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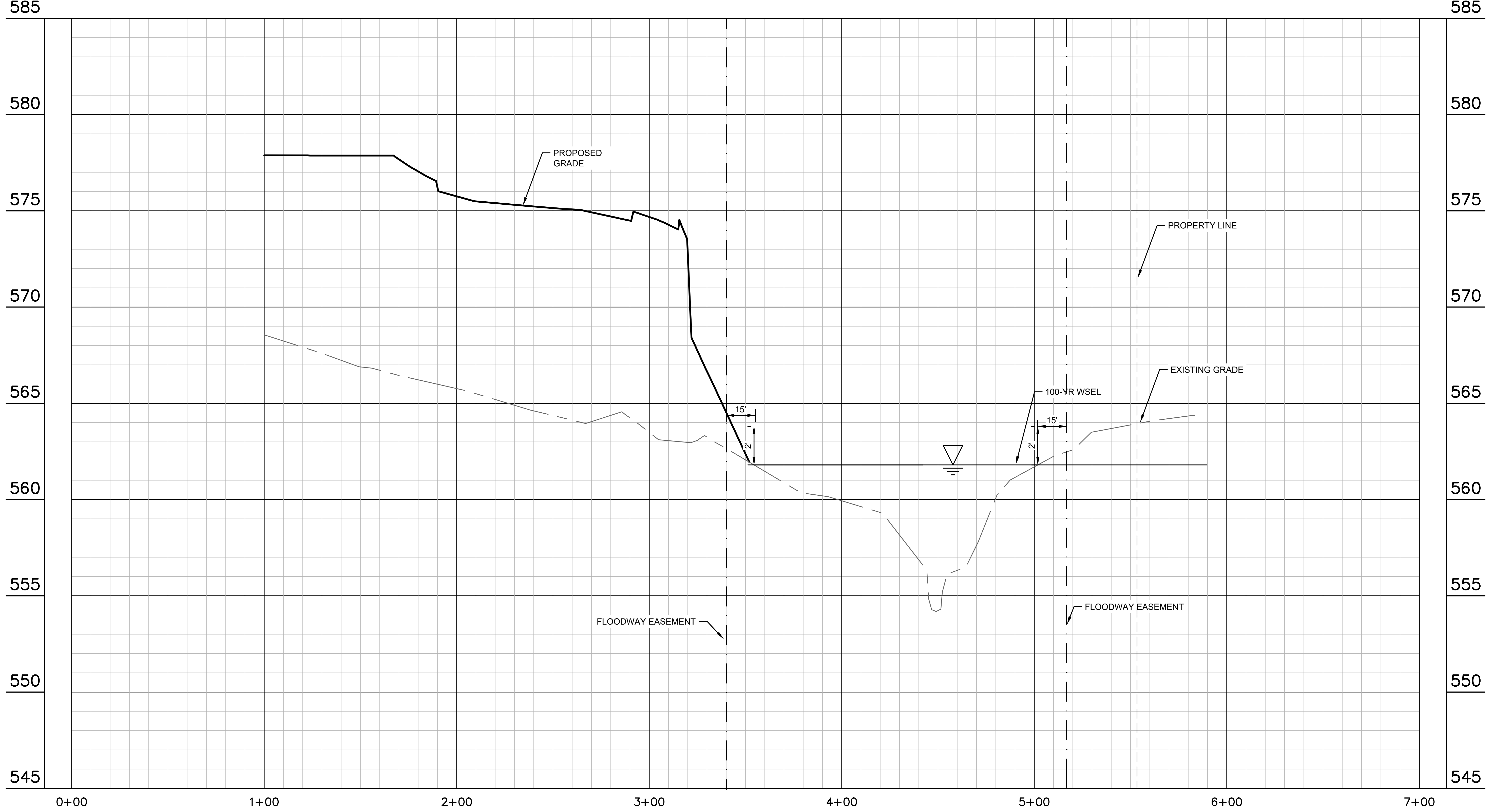
DWG NAME C-Floodplain Sections.dwg

FLOODPLAIN SECTION G



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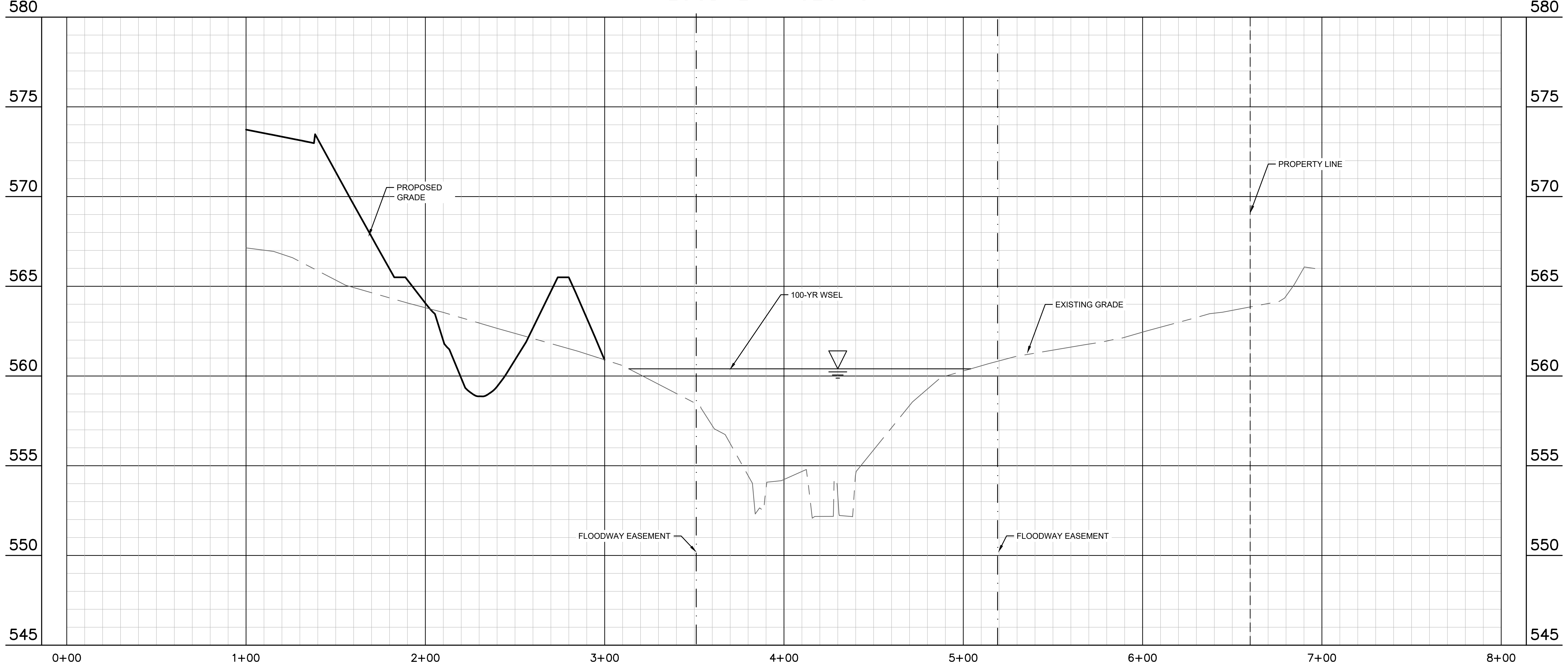

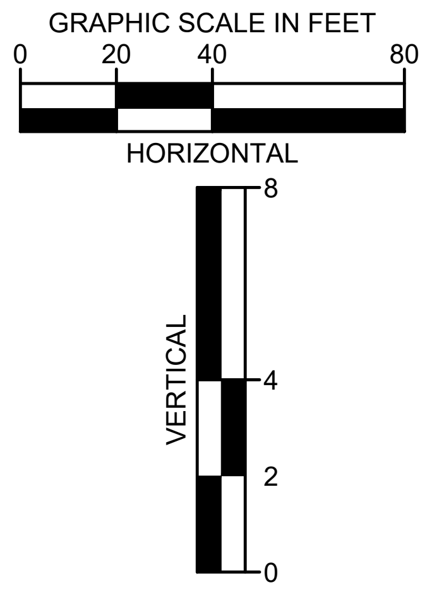

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DWG NAME C-Floodplain Sections.dwg

No.	REVISIONS	DATE

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PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME 138132
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

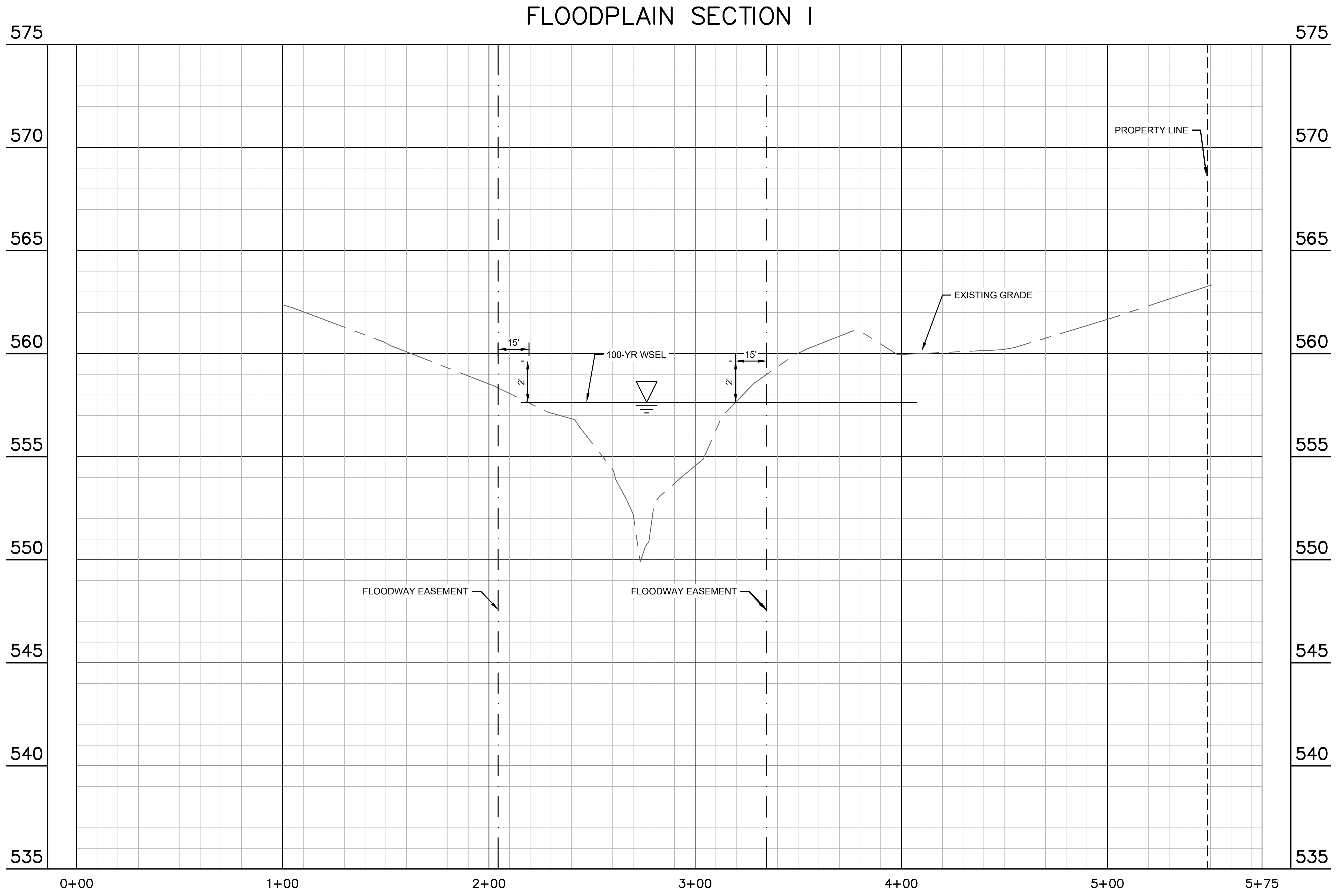
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

FLOODPLAIN
SECTIONS (4 OF 5)

SHEET NUMBER
C-319

CITY FILE NO. SP2023-006

FLOODPLAIN SECTION I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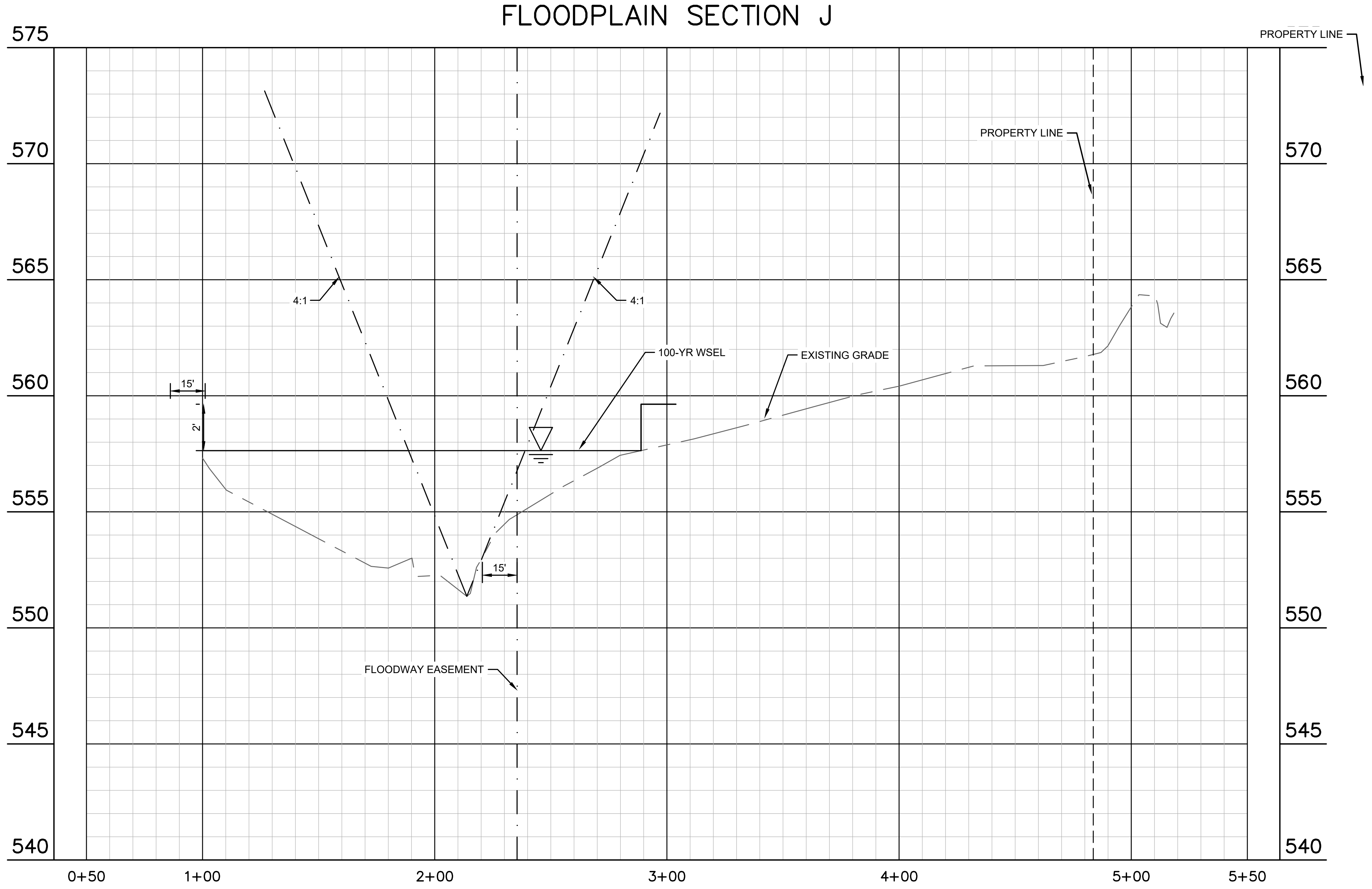
FLOODWAY EASEMENT

FLOODPLAIN SECTION J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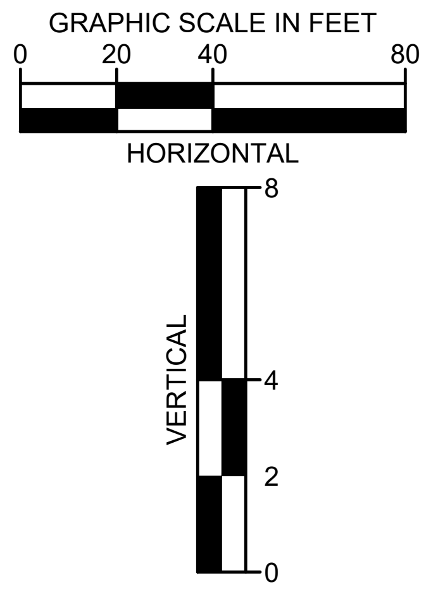
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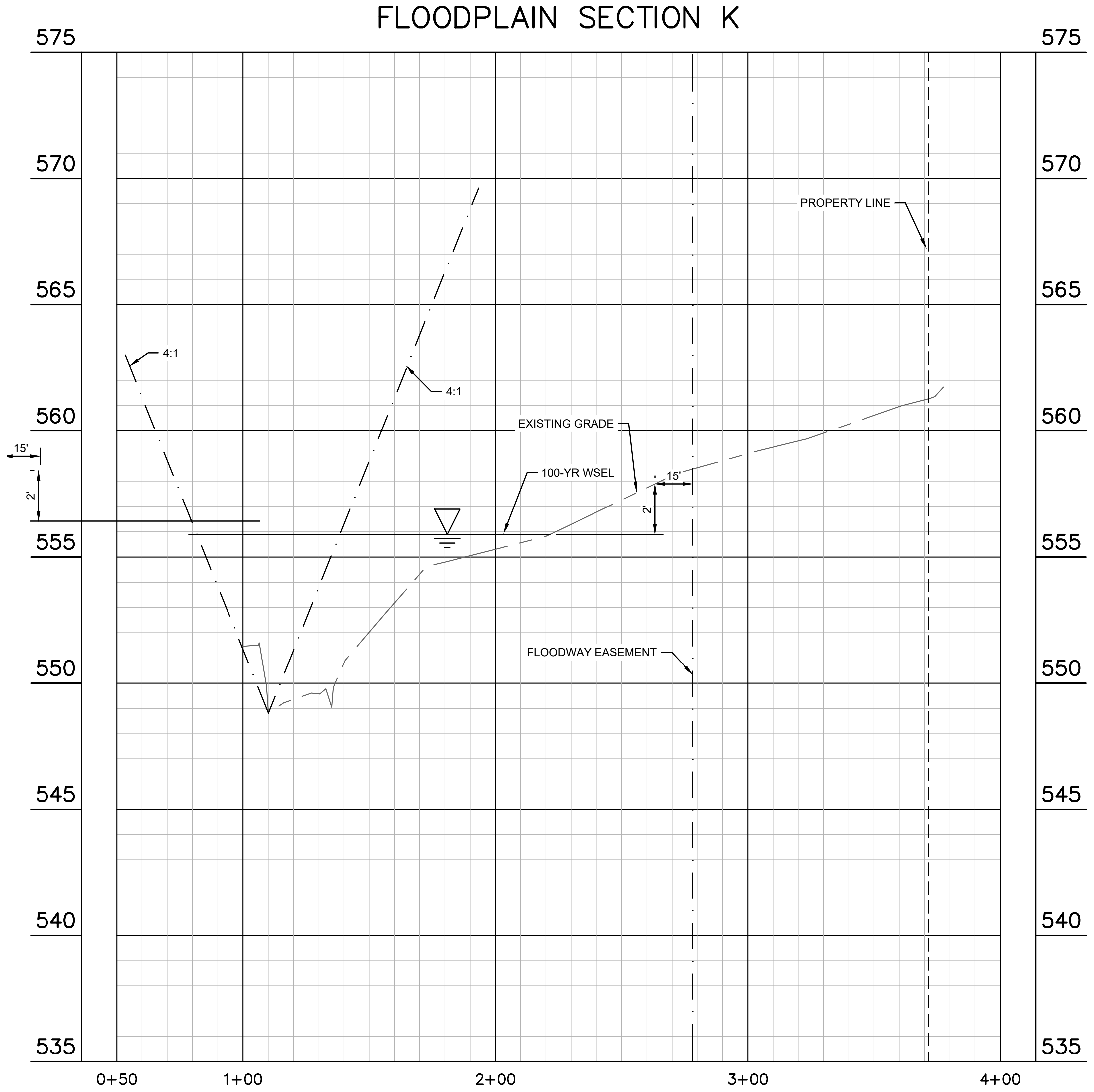
FLOODPLAIN SECTION K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EXISTING GRADE
100-YR WSEL
15'
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2'
FLOODWAY EASEMENT

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WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME
138132
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

FLOODPLAIN SECTIONS (5 OF 5)

SHEET NUMBER
C-320

CITY FILE NO. SP2023-006

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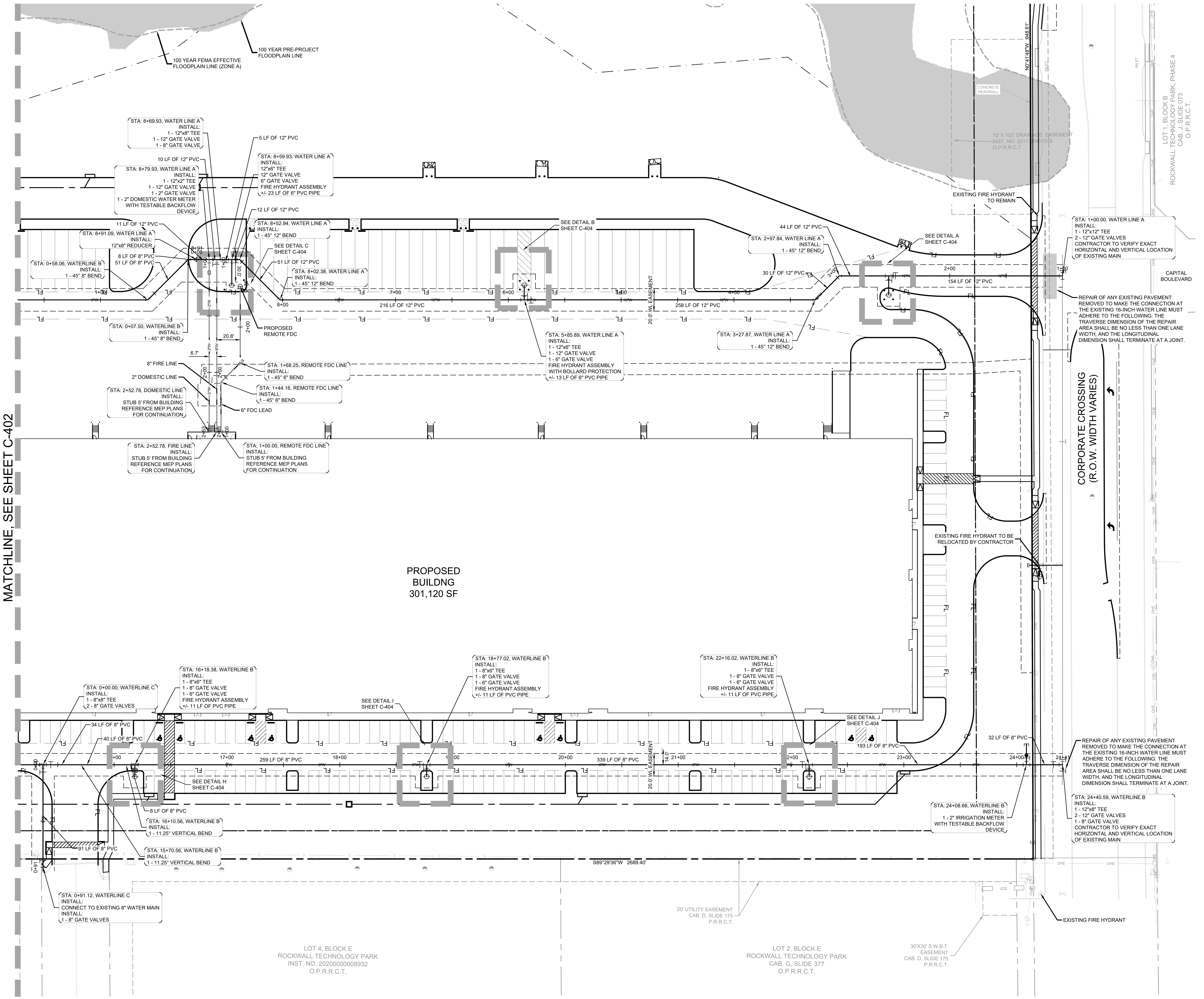
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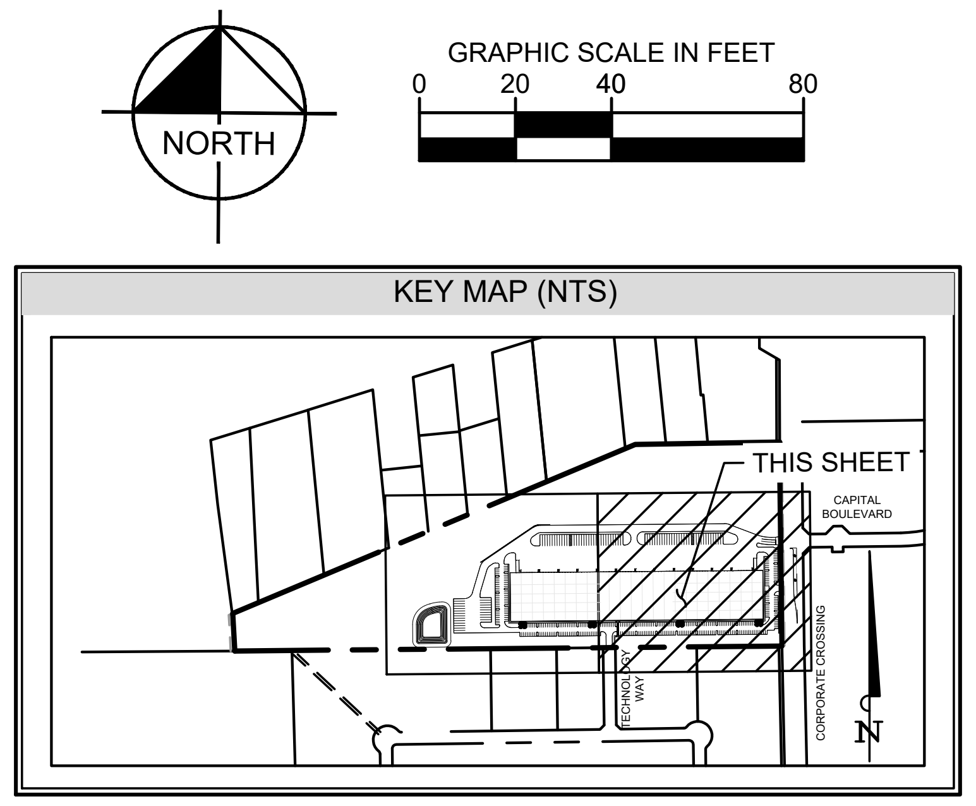
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
100 YEAR PRE-PROJECT FLOODPLAIN LINE
STA: 8+69.93, WATER LINE A INSTALL: 1 - 12"x8" TEE 1 - 12" GATE VALVE 1 - 8" GATE VALVE
5 LF OF 12" PVC
STA: 8+59.93, WATER LINE A INSTALL: 12"x6" TEE 12" GATE VALVE 6" GATE VALVE FIRE HYDRANT ASSEMBLY +/- 23 LF OF 6" PVC PIPE
10 LF OF 12" PVC
STA: 8+79.93, WATER LINE A INSTALL: 1 - 12"x2" TEE 1 - 12" GATE VALVE 1 - 2" GATE VALVE 1 - 2" DOMESTIC WATER METER WITH TESTABLE BACKFLOW DEVICE
12 LF OF 12" PVC
11 LF OF 12" PVC
STA: 8+52.94, WATER LINE A INSTALL: 1 - 45° 12" BEND
STA: 8+91.09, WATER LINE A INSTALL: 12"x8" REDUCER
SEE DETAIL C SHEET C-404
8 LF OF 8" PVC
51 LF OF 8" PVC
51 LF OF 12" PVC
STA: 0+58.06, WATERLINE B INSTALL: 1 - 45° 8" BEND
STA: 8+02.38, WATER LINE A INSTALL: 1 - 45° 12" BEND
8+91
0+00
1+00
30.0'
8+00
216 LF OF 12" PVC
7+00
6+00
5+00
4+00
3+00
2+00
1+00
STA: 0+07.50, WATERLINE B INSTALL: 1 - 45° 8" BEND
PROPOSED REMOTE FDC
20.8'
6.7'
2"W
8"W
12"W
FL
8" FIRE LINE
2" DOMESTIC LINE
STA: 1+68.25, REMOTE FDC LINE INSTALL: 1 - 45° 6" BEND
STA: 1+44.16, REMOTE FDC LINE INSTALL: 1 - 45° 6" BEND
STA: 2+52.78, DOMESTIC LINE INSTALL: STUB 5' FROM BUILDING REFERENCE MEP PLANS FOR CONTINUATION
6" FDC LEAD
2+53
STA: 2+52.78, FIRE LINE INSTALL: STUB 5' FROM BUILDING REFERENCE MEP PLANS FOR CONTINUATION
STA: 1+00.00, REMOTE FDC LINE INSTALL: STUB 5' FROM BUILDING REFERENCE MEP PLANS FOR CONTINUATION
SEE DETAIL B SHEET C-404
STA: 5+85.89, WATER LINE A INSTALL: 1 - 12"x6" TEE 1 - 12" GATE VALVE 1 - 6" GATE VALVE FIRE HYDRANT ASSEMBLY WITH BOLLARD PROTECTION +/- 13 LF OF 6" PVC PIPE
20.0' WL EASEMENT
258 LF OF 12" PVC
44 LF OF 12" PVC
STA: 2+97.84, WATER LINE A INSTALL: 1 - 45° 12" BEND
30 LF OF 12" PVC
SEE DETAIL A SHEET C-404
STA: 3+27.87, WATER LINE A INSTALL: 1 - 45° 12" BEND
154 LF OF 12" PVC
CONCRETE HEADWALL
70' X 155' DRAINAGE EASEMENT INST. NO. 2011-00451626 O.P.R.R.C.T.
N0°41'48"W 948.61'
INLET
OHE
EXISTING FIRE HYDRANT TO REMAIN
LOT 1, BLOCK B ROCKWALL TECHNOLOGY PARK, PHASE 4 CAB. J, SLIDE 073 O.P.R.R.C.T.
STA: 1+00.00, WATER LINE A INSTALL: 1 - 12"x12" TEE 2 - 12" GATE VALVES CONTRACTOR TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MAIN
CAPITAL BOULEVARD
REPAIR OF ANY EXISTING PAVEMENT REMOVED TO MAKE THE CONNECTION AT THE EXISTING 16-INCH WATER LINE MUST ADHERE TO THE FOLLOWING: THE TRAVERSE DIMENSION OF THE REPAIR AREA SHALL BE NO LESS THAN ONE LANE WIDTH, AND THE LONGITUDINAL DIMENSION SHALL TERMINATE AT A JOINT.
CORPORATE CROSSING (R.O.W. WIDTH VARIES)
PROPOSED BUILDNG 301,120 SF
EXISTING FIRE HYDRANT TO BE RELOCATED BY CONTRACTOR
STA: 0+00.00, WATERLINE C INSTALL: 1 - 8"x8" TEE 2 - 8" GATE VALVES
STA: 16+18.38, WATERLINE B INSTALL: 1 - 8"x6" TEE 1 - 8" GATE VALVE 1 - 6" GATE VALVE FIRE HYDRANT ASSEMBLY +/- 11 LF OF PVC PIPE
34 LF OF 8" PVC
40 LF OF 8" PVC
SEE DETAIL I SHEET C-404
STA: 18+77.02, WATERLINE B INSTALL: 1 - 8"x6" TEE 1 - 8" GATE VALVE 1 - 6" GATE VALVE FIRE HYDRANT ASSEMBLY +/- 11 LF OF PVC PIPE
STA: 22+16.02, WATERLINE B INSTALL: 1 - 8"x6" TEE 1 - 8" GATE VALVE 1 - 6" GATE VALVE FIRE HYDRANT ASSEMBLY +/- 11 LF OF PVC PIPE
17+00
18+00
20+00
21+00
22+00
23+00
24+00
24+41
259 LF OF 8" PVC
339 LF OF 8" PVC
14.0'
SEE DETAIL H SHEET C-404
SEE DETAIL J SHEET C-404
193 LF OF 8" PVC
32 LF OF 8" PVC
8 LF OF 8" PVC
STA: 16+10.56, WATERLINE B INSTALL: 1 - 11.25° VERTICAL BEND
91 LF OF 8" PVC
STA: 15+70.56, WATERLINE B INSTALL: 1 - 11.25° VERTICAL BEND
0+91
STA: 0+91.12, WATERLINE C INSTALL: CONNECT TO EXISTING 8" WATER MAIN INSTALL: 1 - 8" GATE VALVES
STA: 24+08.66, WATERLINE B INSTALL: 1 - 2" IRRIGATION METER WITH TESTABLE BACKFLOW DEVICE
STA: 24+40.59, WATERLINE B INSTALL: 1 - 12"x8" TEE 2 - 12" GATE VALVES 1 - 8" GATE VALVE CONTRACTOR TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MAIN
S89°29'36"W 2689.40'
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
EXISTING FIRE HYDRANT
30'X30' S.W.B.T. EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 4, BLOCK E ROCKWALL TECHNOLOGY PARK INST. NO. 20200000008932 O.P.R.R.C.T.
LOT 2, BLOCK E ROCKWALL TECHNOLOGY PARK CAB. G, SLIDE 377 O.P.R.R.C.T.


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80
KEY MAP (NTS)
THIS SHEET
CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND

PROPERTY LINE	▬ ▬ ▬
PROPOSED FIRE LANE	FL FL
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - -
PROPOSED EASEMENT	- - - -
PROPOSED WATER LINE	W W
PROPOSED SANITARY SEWER LINE	SS SS
EXISTING FENCE LINE	X X
EXISTING WATER LINE	W W
EXISTING SANITARY SEWER LINE	8"SS
EXISTING STORM DRAIN LINE	═ ═ ═
EXISTING OVERHEAD ELECTRIC LINE	OHE OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE UGE
100 YEAR FLOODPLAIN	▬

NOTES

1. CONTRACTOR TO SUBMIT TO CITY TRAFFIC CONTROL PLAN FOR WORK IN CORPORATE CROSSING FOR REVIEW AND APPROVAL PRIOR TO PAVEMENT REMOVAL AND REPLACEMENT. ONE LANE EACH DIRECTION TO REMAIN OPEN.

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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

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WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME 138132
Dylan Adame 05/11/2023

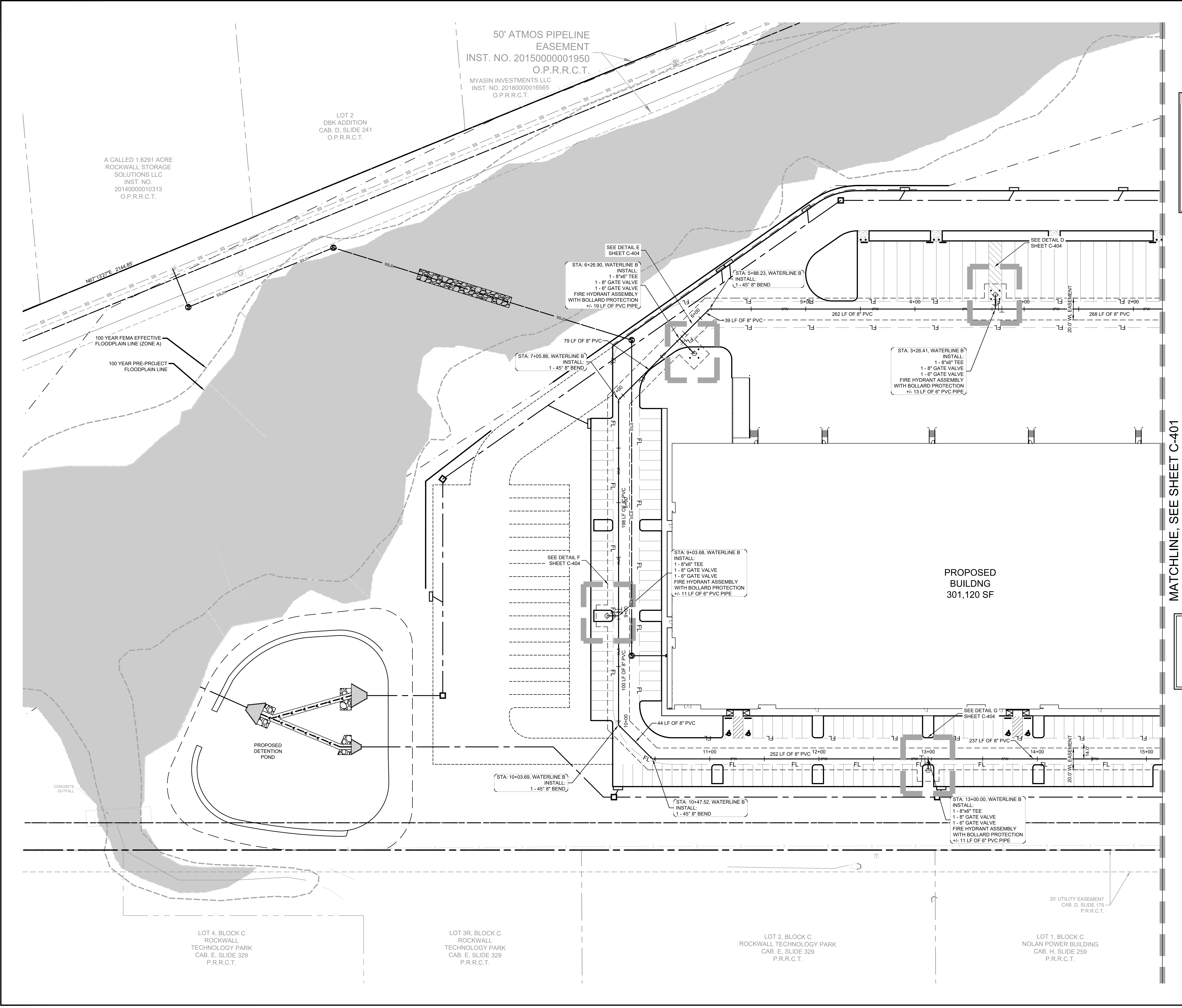
KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

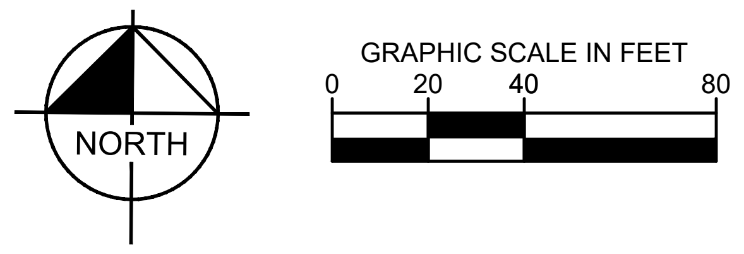
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

WATER PLAN (1 OF 2)

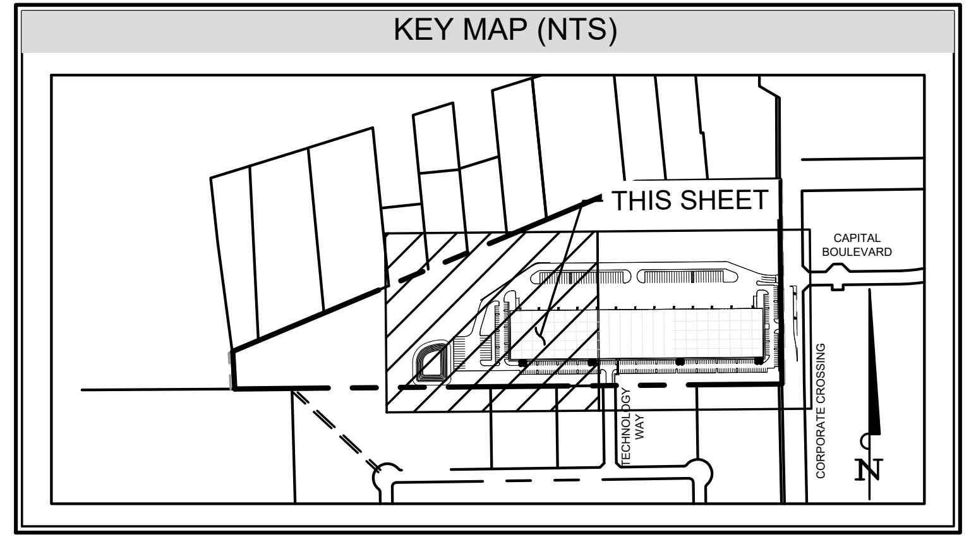
SHEET NUMBER
C-401

CITY FILE NO. SP2023-006


50' ATMOS PIPELINE
EASEMENT
INST. NO. 20150000001950
O.P.R.R.C.T.
MYASIN INVESTMENTS LLC
INST. NO. 20180000016565
O.P.R.R.C.T.
LOT 2
DBK ADDITION
CAB. D, SLIDE 241
O.P.R.R.C.T.
A CALLED 1.6291 ACRE
ROCKWALL STORAGE
SOLUTIONS LLC
INST. NO.
20140000010313
O.P.R.R.C.T.
N67°13'27"E 2144.85'
SS
10"SS
100 YEAR FEMA EFFECTIVE
FLOODPLAIN LINE (ZONE A)
100 YEAR PRE-PROJECT
FLOODPLAIN LINE
SEE DETAIL E
SHEET C-404
STA: 6+26.90, WATERLINE B
INSTALL:
1 - 8"x6" TEE
1 - 8" GATE VALVE
1 - 6" GATE VALVE
FIRE HYDRANT ASSEMBLY
WITH BOLLARD PROTECTION
+/- 19 LF OF PVC PIPE
STA: 5+88.23, WATERLINE B
INSTALL:
1 - 45° 8" BEND
79 LF OF 8" PVC
39 LF OF 8" PVC
STA: 7+05.86, WATERLINE B
INSTALL:
1 - 45° 8" BEND
SEE DETAIL D
SHEET C-404
5+00
4+00
2+00
262 LF OF 8" PVC
268 LF OF 8" PVC
20.0' WL EASEMENT
STA: 3+26.41, WATERLINE B
INSTALL:
1 - 8"x6" TEE
1 - 8" GATE VALVE
1 - 6" GATE VALVE
FIRE HYDRANT ASSEMBLY
WITH BOLLARD PROTECTION
+/- 13 LF OF 6" PVC PIPE
6+00
7+00
8+00
9+00
10+00
198 LF OF 8" PVC
100 LF OF 8" PVC
8"SS
8"W
FL
SEE DETAIL F
SHEET C-404
STA: 9+03.68, WATERLINE B
INSTALL:
1 - 8"x6" TEE
1 - 8" GATE VALVE
1 - 6" GATE VALVE
FIRE HYDRANT ASSEMBLY
WITH BOLLARD PROTECTION
+/- 11 LF OF 6" PVC PIPE
PROPOSED
BUILDNG
301,120 SF
PROPOSED
DETENTION
POND
CONCRETE
OUTFALL
44 LF OF 8" PVC
SEE DETAIL G
SHEET C-404
237 LF OF 8" PVC
11+00
252 LF OF 8" PVC
12+00
13+00
14+00
15+00
20.0' WL EASEMENT
STA: 10+03.69, WATERLINE B
INSTALL:
1 - 45° 8" BEND
STA: 10+47.52, WATERLINE B
INSTALL:
1 - 45° 8" BEND
STA: 13+00.00, WATERLINE B
INSTALL:
1 - 8"x6" TEE
1 - 8" GATE VALVE
1 - 6" GATE VALVE
FIRE HYDRANT ASSEMBLY
WITH BOLLARD PROTECTION
+/- 11 LF OF 6" PVC PIPE
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
LOT 4, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 3R, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 2, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 1, BLOCK C
NOLAN POWER BUILDING
CAB. H, SLIDE 259
P.R.R.C.T.
MATCHLINE, SEE SHEET C-401


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND

PROPERTY LINE	——— — — ———
PROPOSED FIRE LANE	—— FL —— FL ——
BUILDING SETBACK	— · — · — · —
EXISTING EASEMENT	- - - - - -
PROPOSED EASEMENT	- - - - - -
PROPOSED WATER LINE	—— W —— W ——
PROPOSED SANITARY SEWER LINE	—— SS —— SS ——
EXISTING FENCE LINE	—— X —— X ——
EXISTING WATER LINE	—— W —— W ——
EXISTING SANITARY SEWER LINE	—— 8"SS ——
EXISTING STORM DRAIN LINE	═══
EXISTING OVERHEAD ELECTRIC LINE	—— OHE —— OHE ——
EXISTING UNDERGROUND ELECTRIC LINE	—— UGE —— UGE ——
100 YEAR FLOODPLAIN	▨

NOTES

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No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
05/11/2023
Dylan Adame

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS

STREAM ROCKWALL

PREPARED FOR

STREAM REALTY ACQUISITION, LLC.

ROCKWALL TEXAS

WATER PLAN (2 OF 2)

SHEET NUMBER
C-402

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : oWatr : xKeymap : xSswr : xEsmt : xWatr
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PLOTTED BY SHUROR, AARON 5/11/2023 3:17 PM
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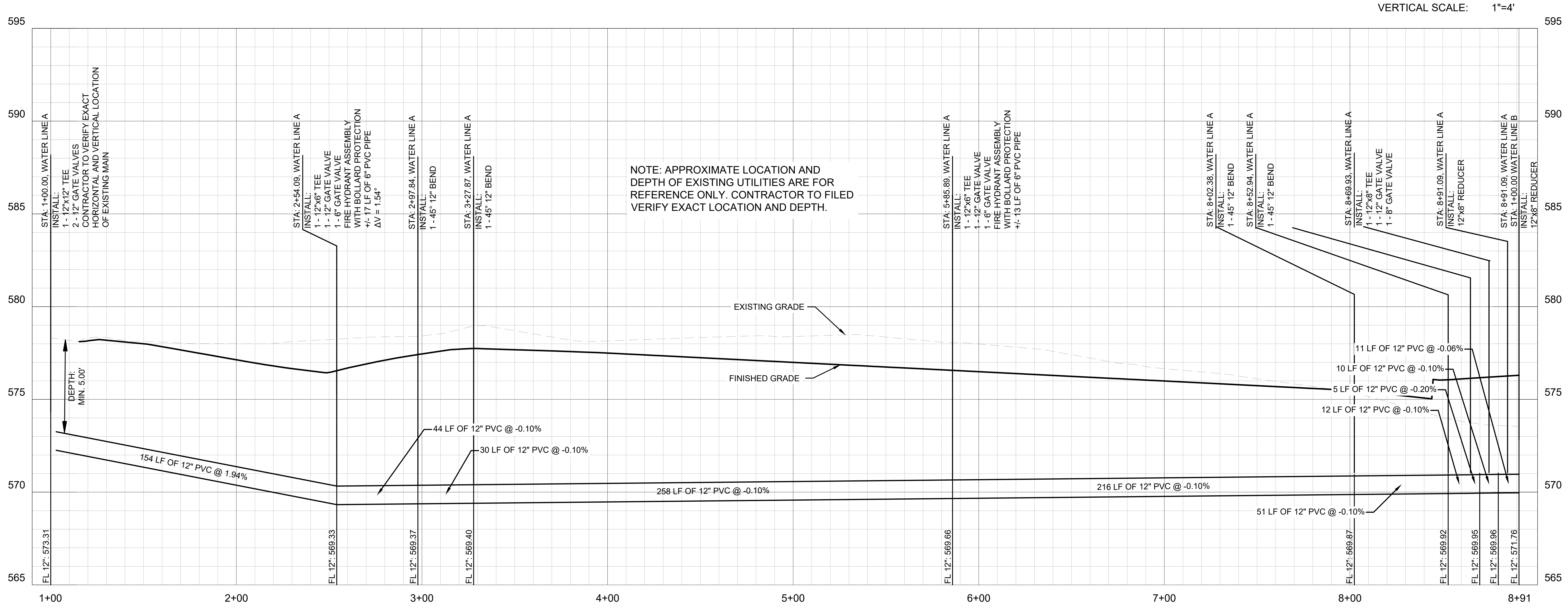
DWG NAME C-WATR.dwg

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



595
590
585
580
575
570
565
STA: 1+00.00, WATER LINE A
INSTALL:
1 - 12"x12" TEE
2 - 12" GATE VALVES
CONTRACTOR TO VERIFY EXACT
HORIZONTAL AND VERTICAL LOCATION
OF EXISTING MAIN
STA: 2+54.09, WATER LINE A
INSTALL:
1 - 12"x6" TEE
1 - 12" GATE VALVE
1 - 6" GATE VALVE
FIRE HYDRANT ASSEMBLY
WITH BOLLARD PROTECTION
+/- 17 LF OF 6" PVC PIPE
ΔV = 1.54°
STA: 2+97.84, WATER LINE A
INSTALL:
1 - 45° 12" BEND
STA: 3+27.87, WATER LINE A
INSTALL:
1 - 45° 12" BEND
NOTE: APPROXIMATE LOCATION AND DEPTH OF EXISTING UTILITIES ARE FOR REFERENCE ONLY. CONTRACTOR TO FILED VERIFY EXACT LOCATION AND DEPTH.
STA: 5+85.89, WATER LINE A
INSTALL:
1 - 12"x6" TEE
1 - 12" GATE VALVE
1 - 6" GATE VALVE
FIRE HYDRANT ASSEMBLY
WITH BOLLARD PROTECTION
+/- 13 LF OF 6" PVC PIPE
STA: 8+02.38, WATER LINE A
INSTALL:
1 - 45° 12" BEND
STA: 8+52.94, WATER LINE A
INSTALL:
1 - 45° 12" BEND
STA: 8+69.93, WATER LINE A
INSTALL:
1 - 12"x8" TEE
1 - 12" GATE VALVE
1 - 8" GATE VALVE
STA: 8+91.09, WATER LINE A
INSTALL:
12"x8" REDUCER
STA: 8+91.09, WATER LINE A
STA: 1+00.00 WATER LINE B
INSTALL:
12"x8" REDUCER
EXISTING GRADE
FINISHED GRADE
DEPTH:
MIN. 5.00'
154 LF OF 12" PVC @ 1.94%
44 LF OF 12" PVC @ -0.10%
30 LF OF 12" PVC @ -0.10%
258 LF OF 12" PVC @ -0.10%
216 LF OF 12" PVC @ -0.10%
51 LF OF 12" PVC @ -0.10%
11 LF OF 12" PVC @ -0.06%
10 LF OF 12" PVC @ -0.10%
5 LF OF 12" PVC @ -0.20%
12 LF OF 12" PVC @ -0.10%
FL 12": 573.31
FL 12": 569.33
FL 12": 569.37
FL 12": 569.40
FL 12": 569.66
FL 12": 569.87
FL 12": 569.92
FL 12": 569.95
FL 12": 569.96
FL 12": 571.76
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
8+91

WATER LINE A
STA. 1+00 TO STA. 8+91

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AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

WATER PROFILE

SHEET NUMBER
C-403

CITY FILE NO. SP2023-006

IMAGES DSA :
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PLOTTED BY SHUROR, AARON 5/11/2023 3:17 PM
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DWG NAME C-WATR.dwg

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : oWatr : xKeymap : xSswr : xEsmt : xWatr
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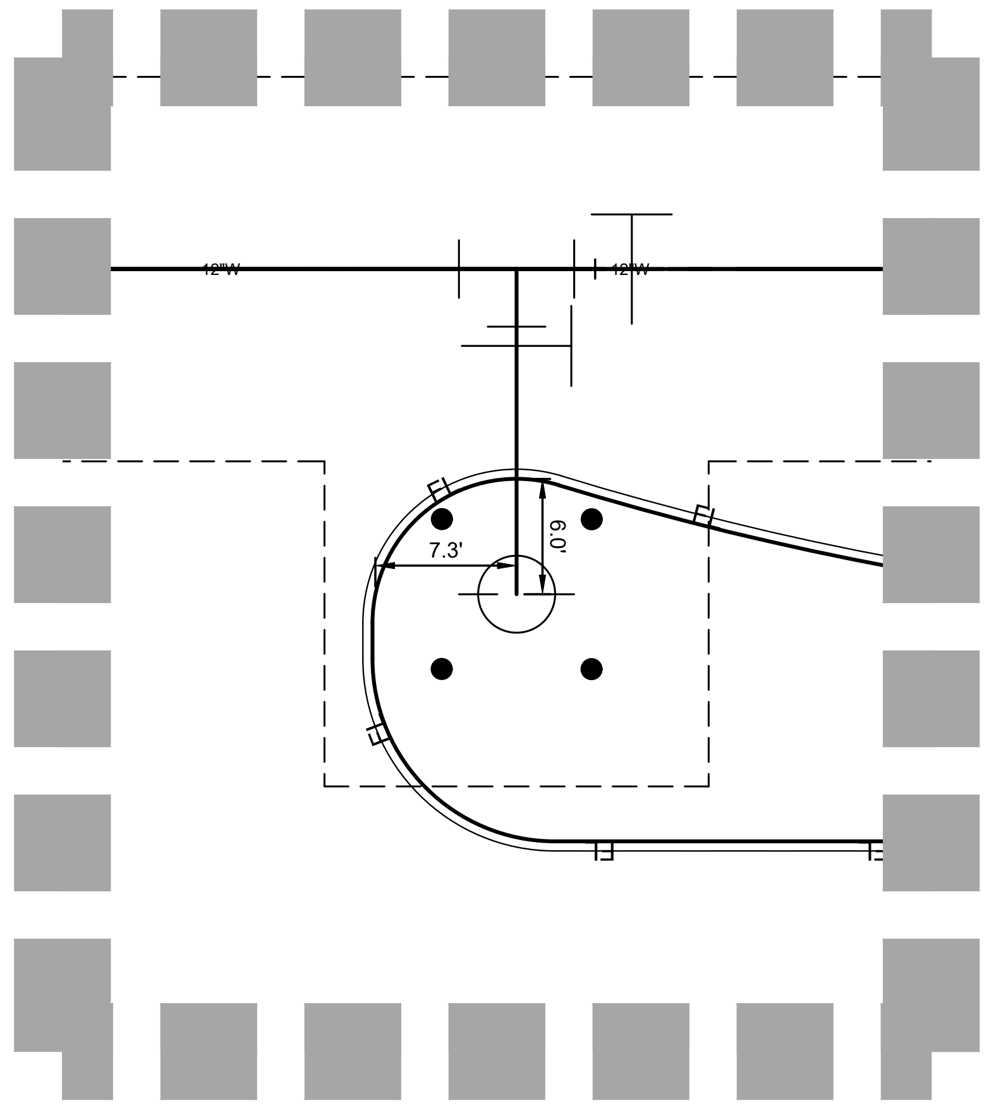
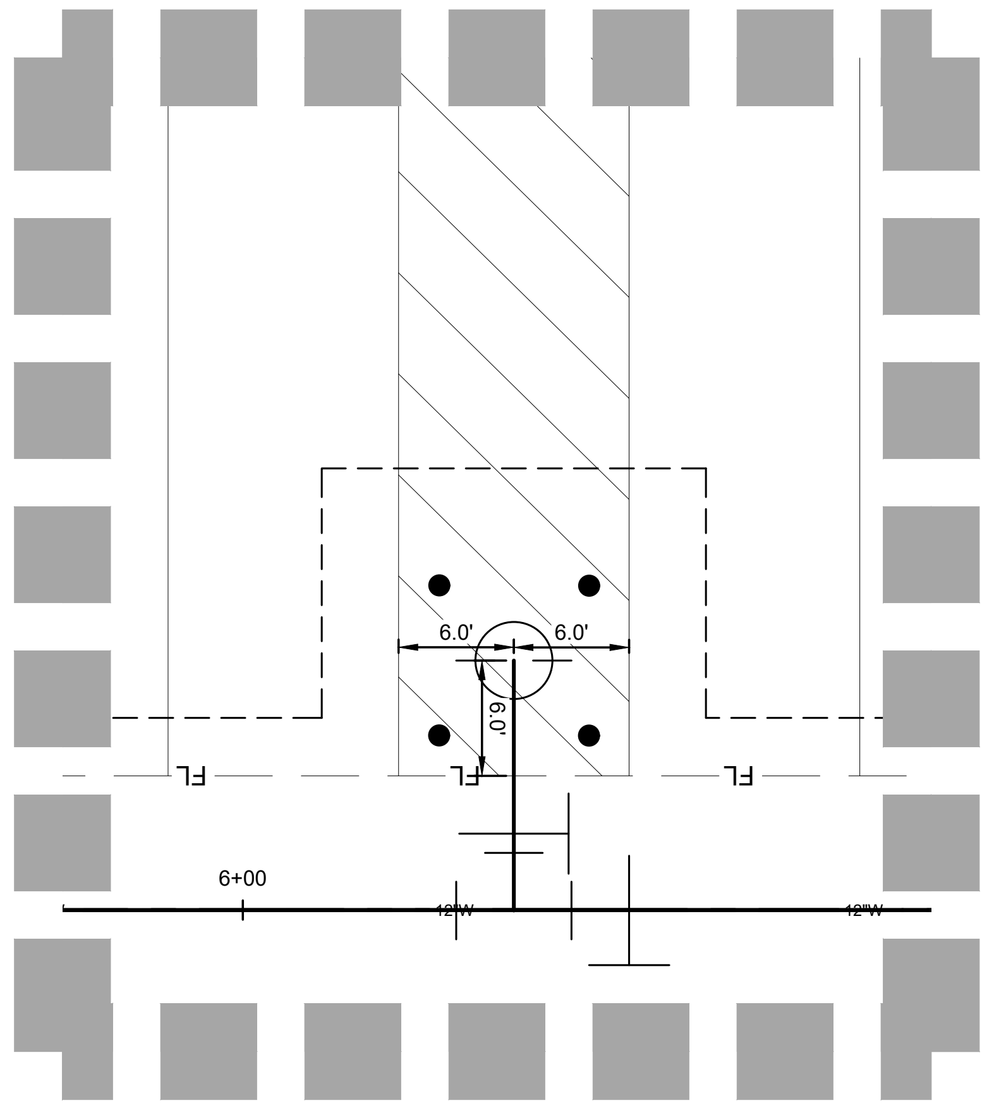
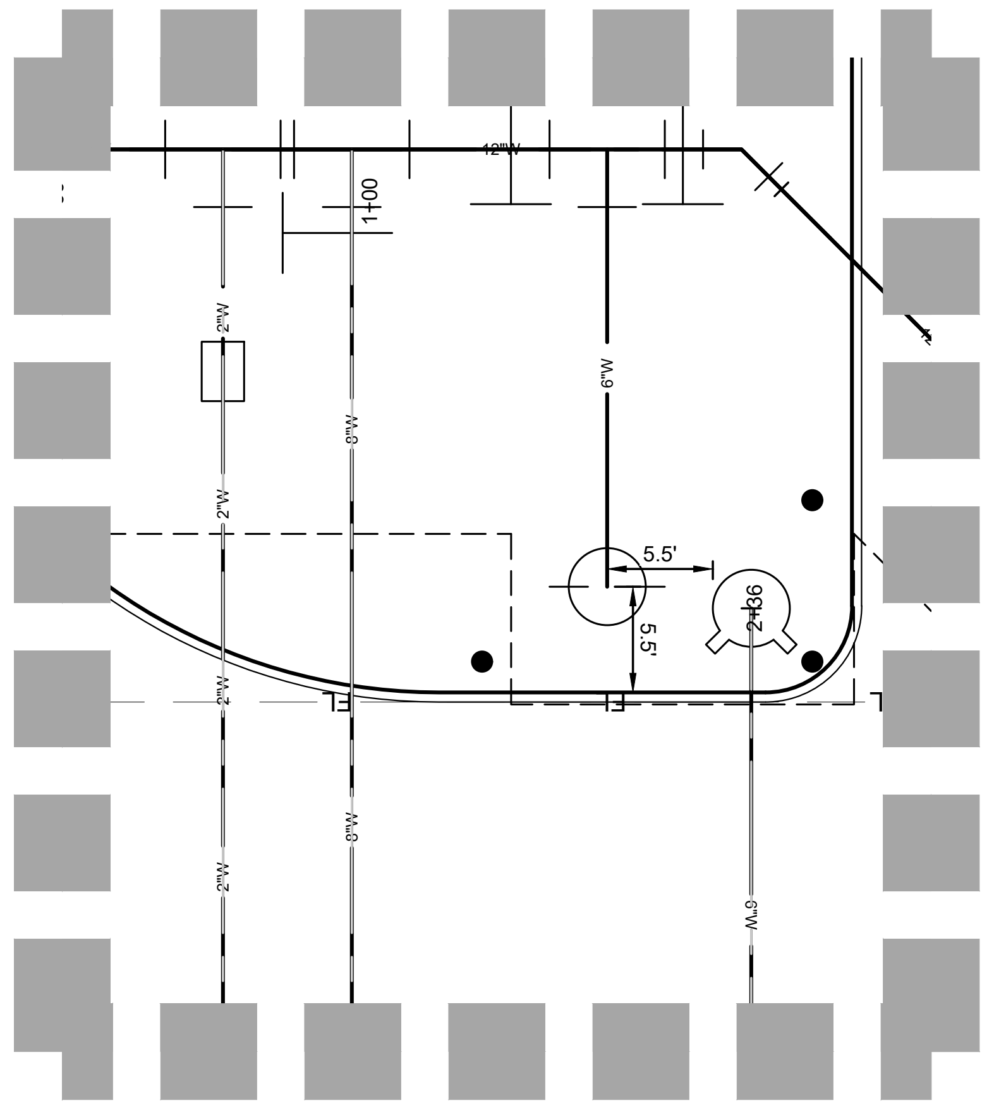
DWG NAME C-WATR.dwg



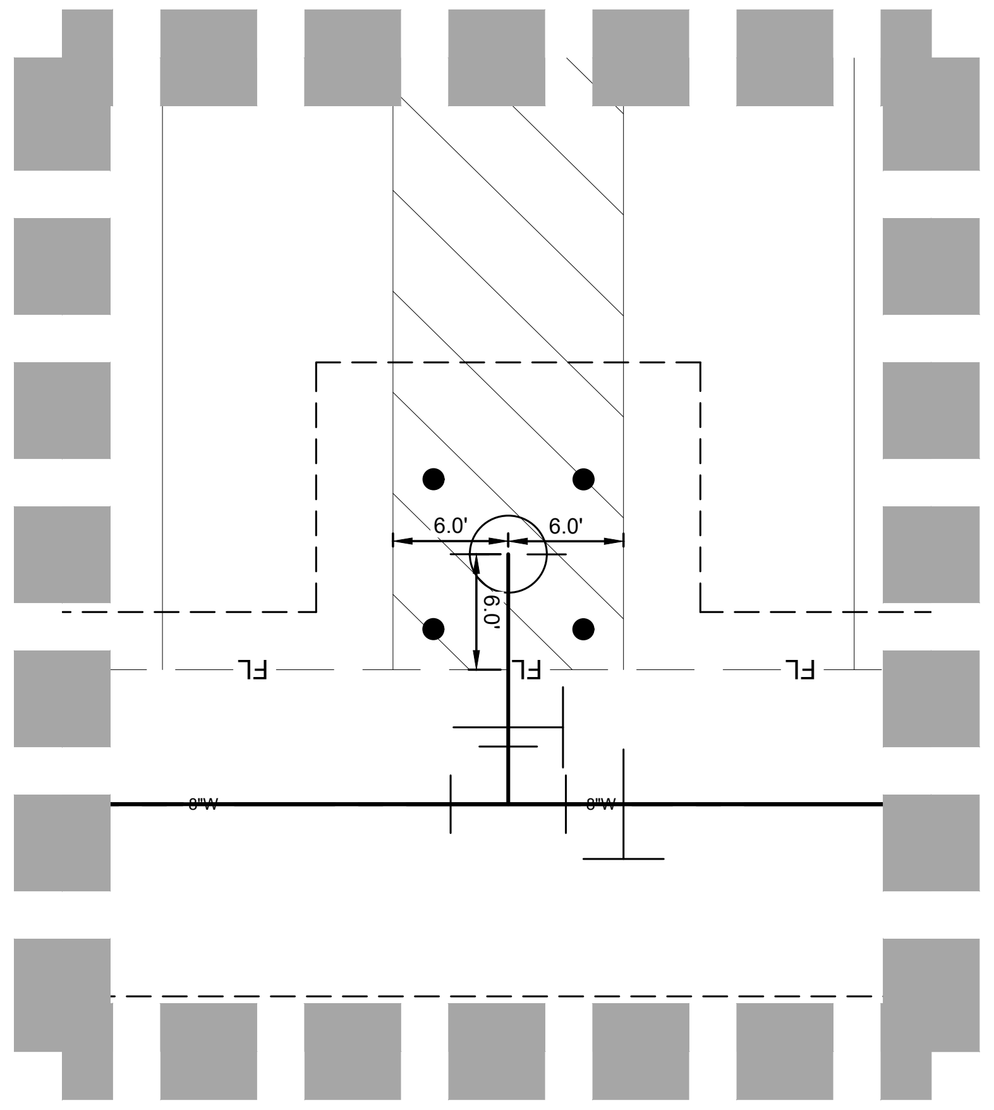
DETAIL A
SCALE 1" = 10'
NORTH


6.0'
6.0'
6.0'
FL
FL
6+00
12"W

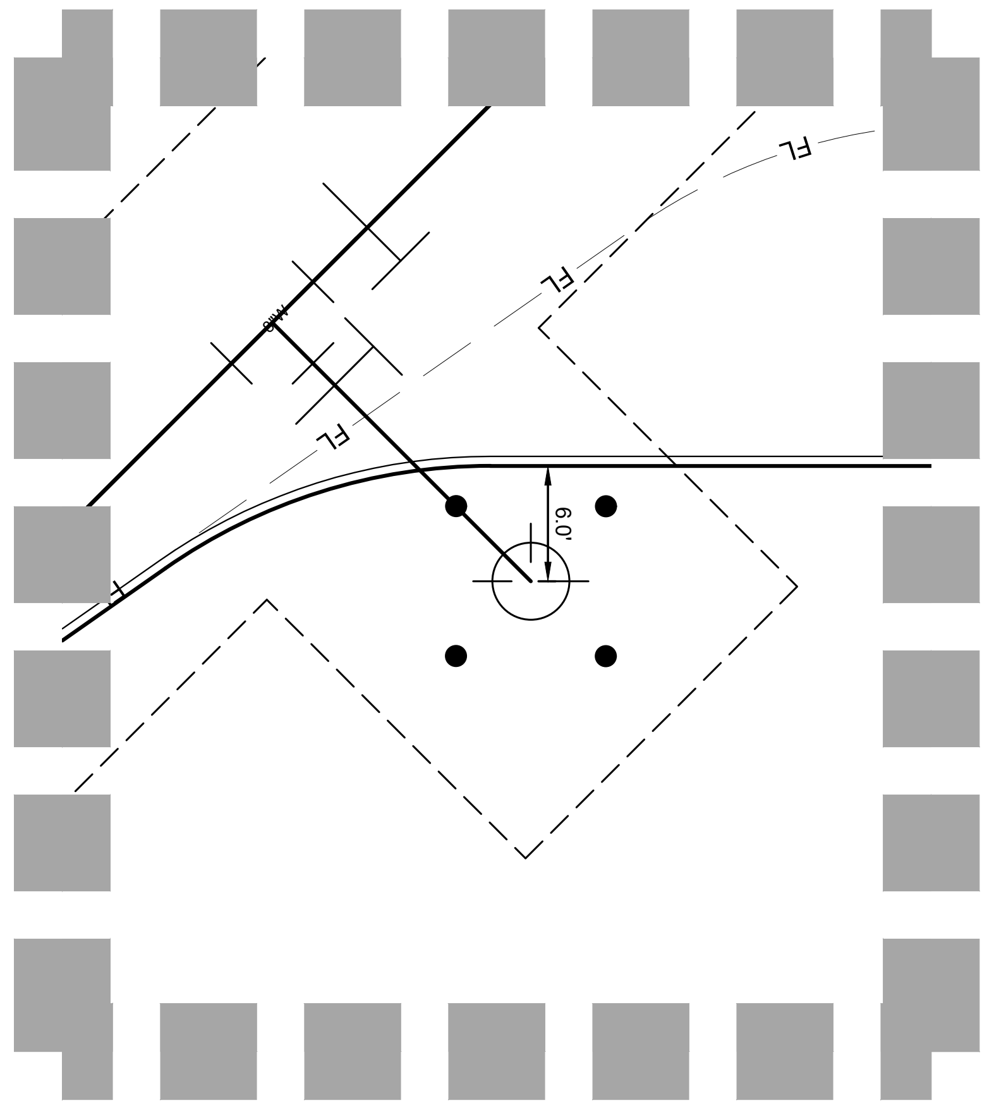
DETAIL B
SCALE 1" = 10'
NORTH


1+00
2"W
8"W
5.5'
5.5'
2+36
FL

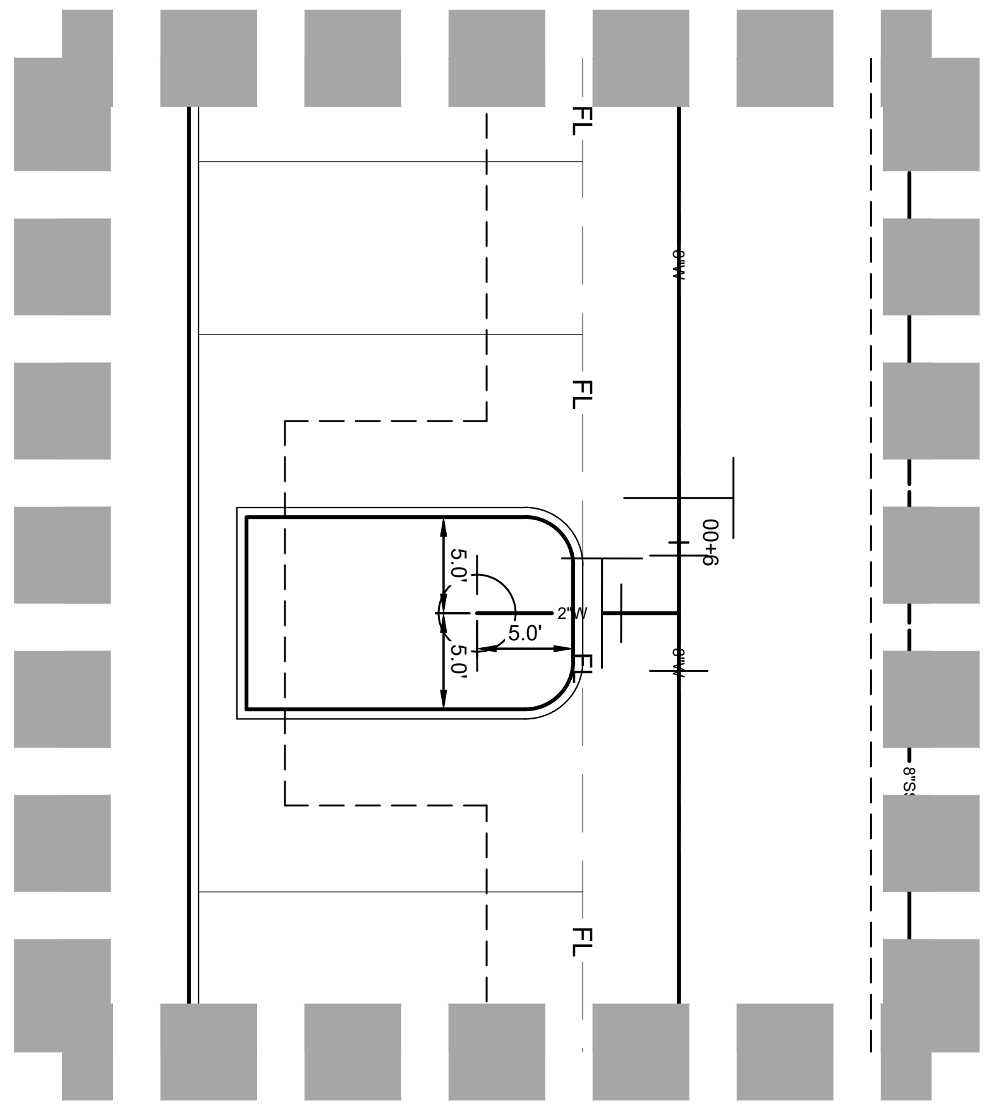
DETAIL C
SCALE 1" = 10'
NORTH


6.0'
6.0'
6.0'
FL
FL
FL
8"W

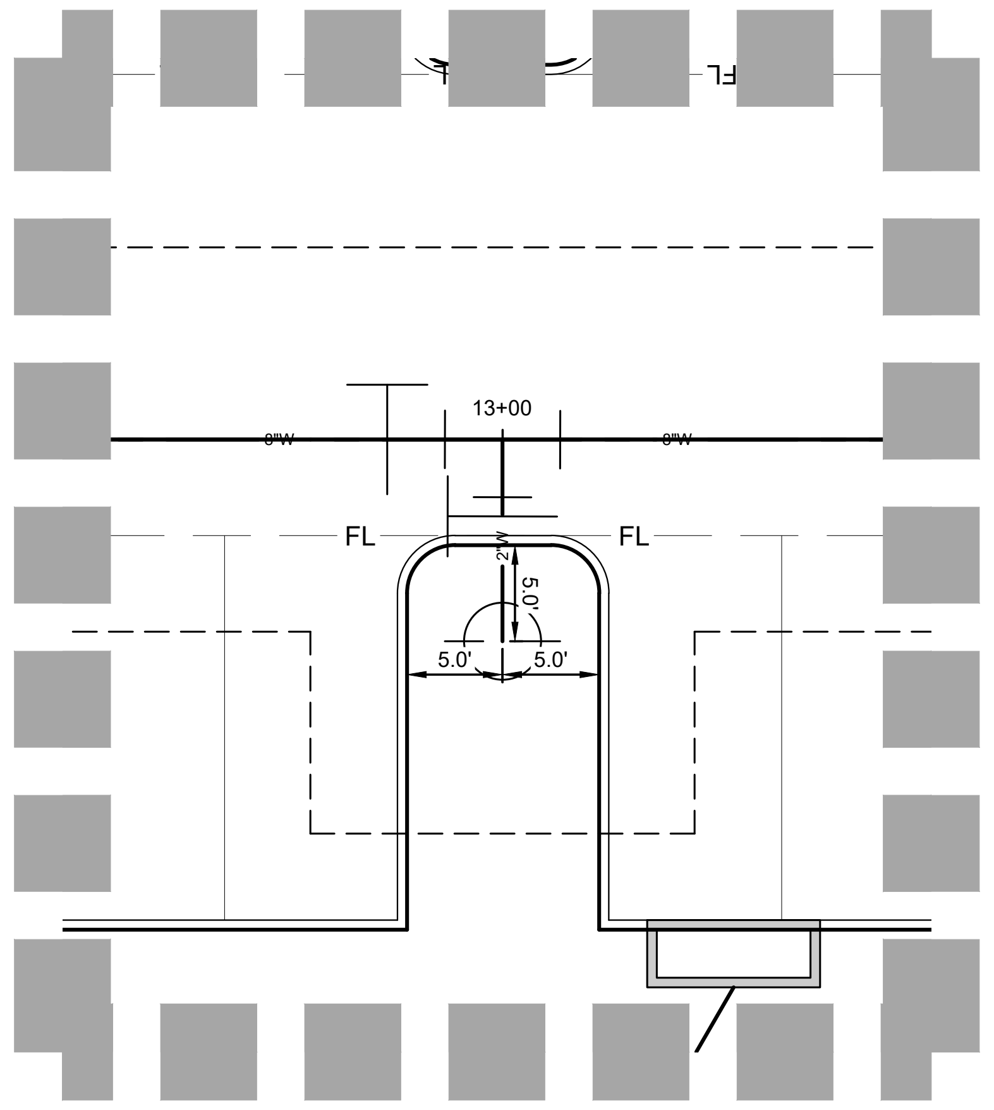
DETAIL D
SCALE 1" = 10'
NORTH



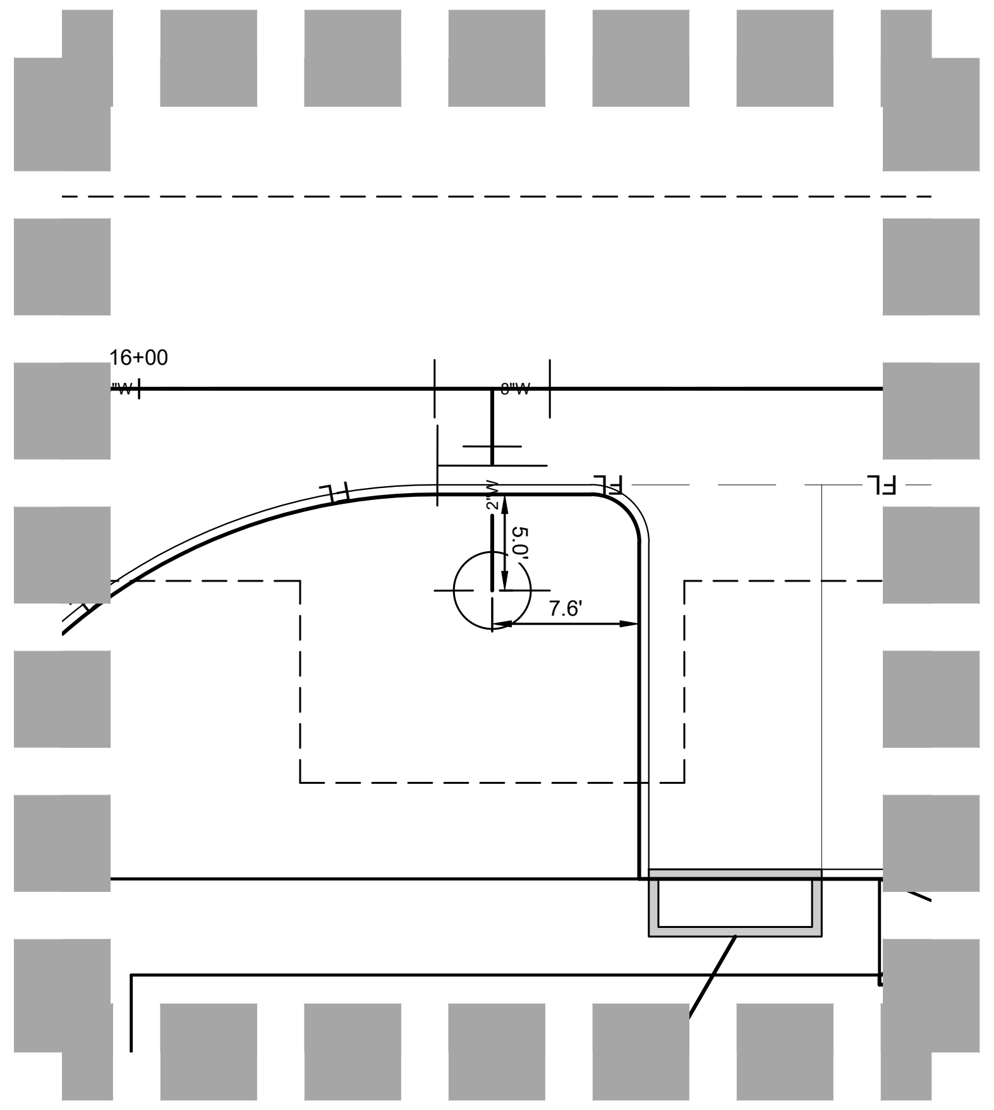
DETAIL E
SCALE 1" = 10'
NORTH


FL
FL
FL
9+00
5.0'
5.0'
5.0'
8"W

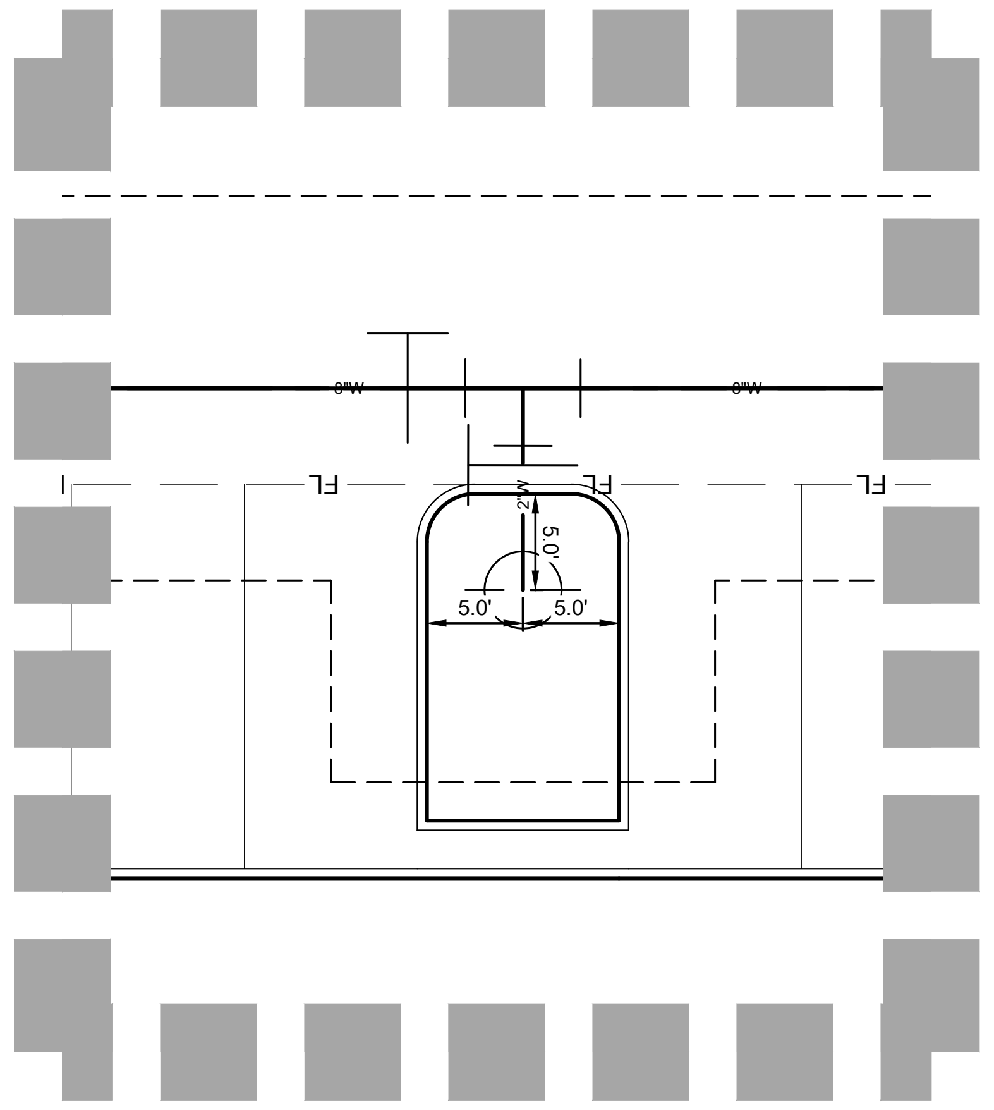
DETAIL F
SCALE 1" = 10'
NORTH


FL
13+00
FL
FL
5.0'
5.0'
5.0'
8"W

DETAIL G
SCALE 1" = 10'
NORTH


16+00
8"W
FL
5.0'
7.6'
FL

DETAIL H
SCALE 1" = 10'
NORTH


8"W
FL
FL
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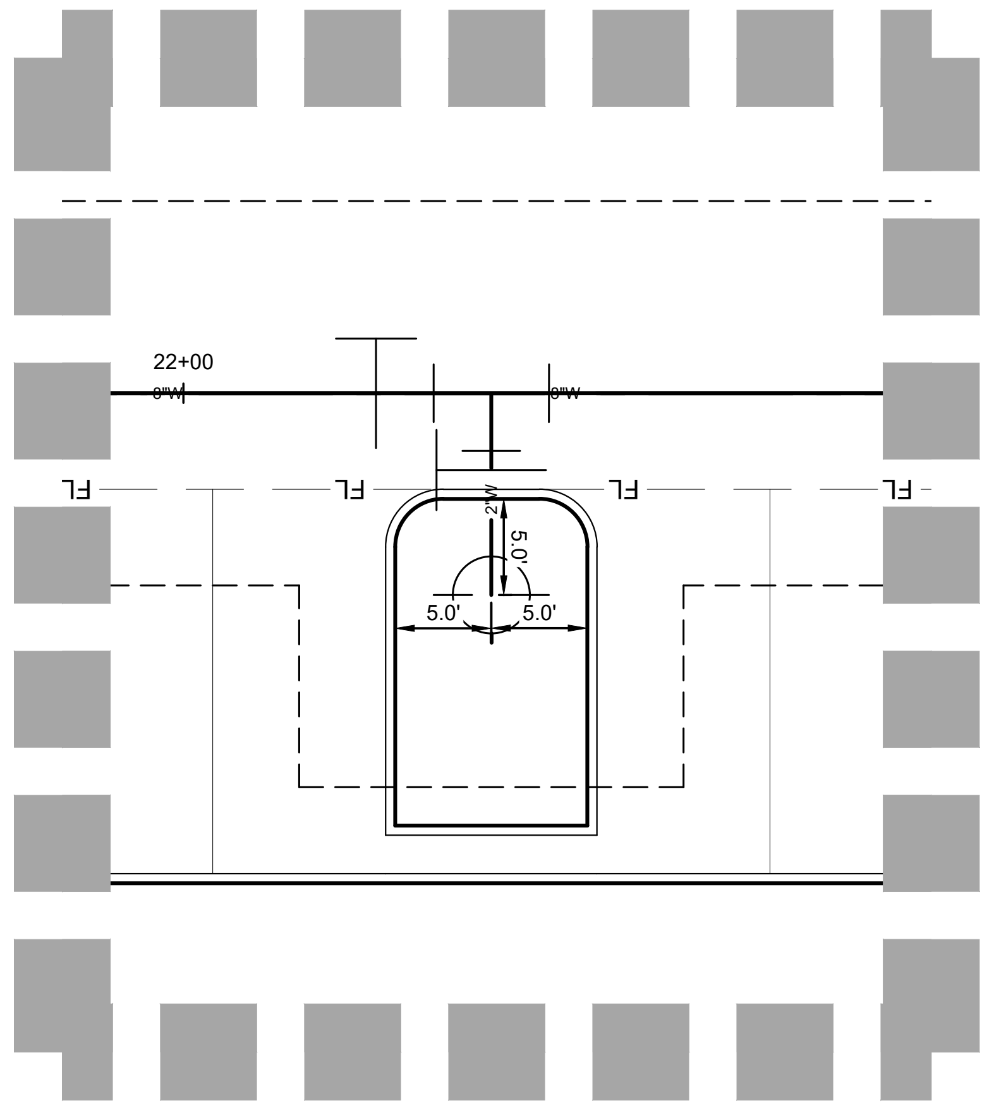
5.0'
5.0'

DETAIL I
SCALE 1" = 10'
NORTH


22+00
8"W
FL
FL
FL
FL
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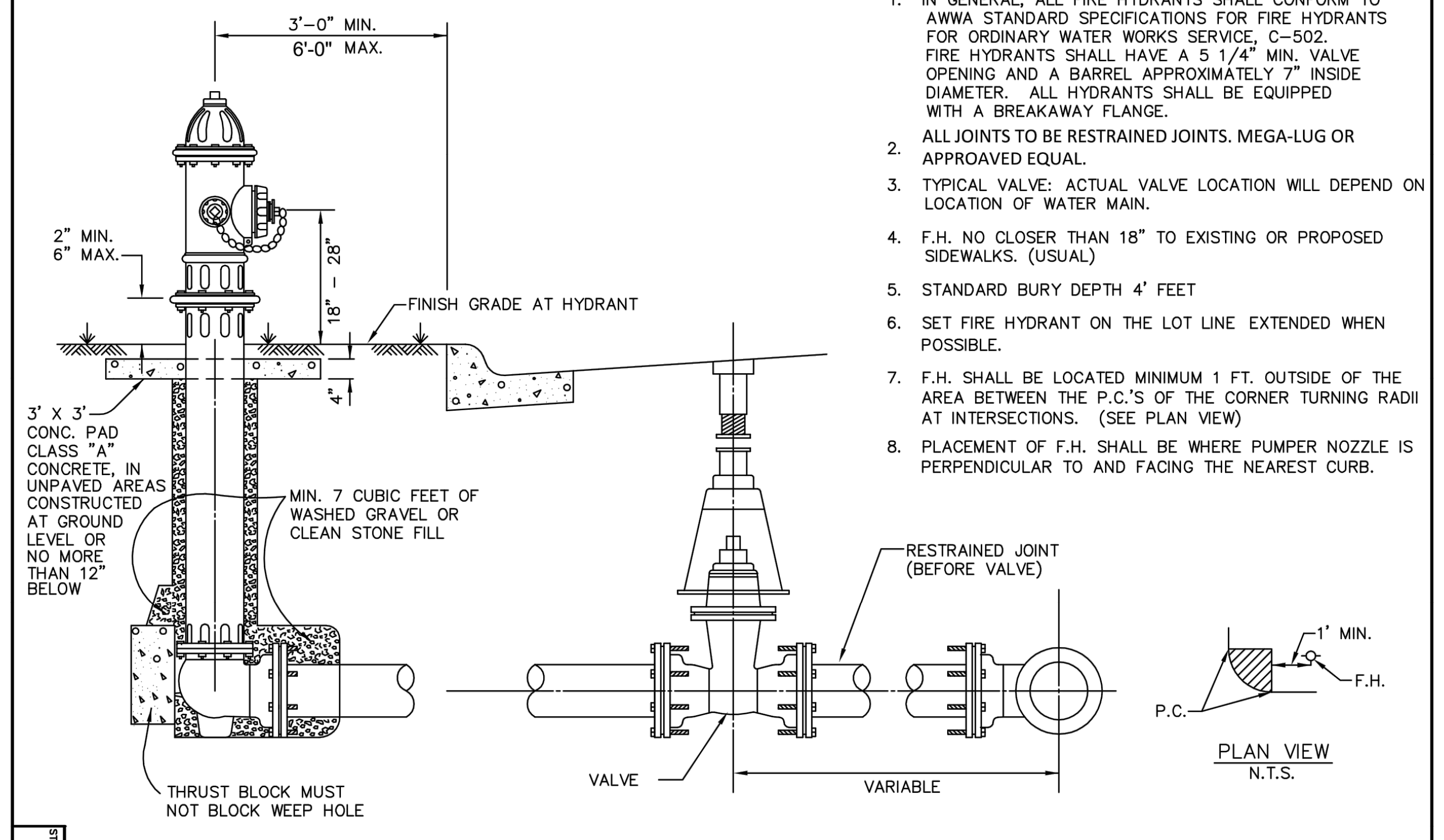
5.0'
5.0'

DETAIL J
SCALE 1" = 10'
NORTH


3'-0" MIN.
6'-0" MAX.
2" MIN.
6" MAX.
18" - 28"
18"
4'
FINISH GRADE AT HYDRANT
3' X 3' CONC. PAD CLASS "A" CONCRETE, IN UNPAVED AREAS CONSTRUCTED AT GROUND LEVEL OR NO MORE THAN 12" BELOW
MIN. 7 CUBIC FEET OF WASHED GRAVEL OR CLEAN STONE FILL
RESTRAINED JOINT (BEFORE VALVE)
THRUST BLOCK MUST NOT BLOCK WEEP HOLE
VALVE
VARIABLE
1' MIN.
F.H.
P.C.
PLAN VIEW
N.T.S.

NOTES:

1. IN GENERAL, ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE, C–502. FIRE HYDRANTS SHALL HAVE A 5 1/4" MIN. VALVE OPENING AND A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE.
2. ALL JOINTS TO BE RESTRAINED JOINTS. MEGA-LUG OR APPROAVED EQUAL.
3. TYPICAL VALVE: ACTUAL VALVE LOCATION WILL DEPEND ON LOCATION OF WATER MAIN.
4. F.H. NO CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALKS. (USUAL)
5. STANDARD BURY DEPTH 4' FEET
6. SET FIRE HYDRANT ON THE LOT LINE EXTENDED WHEN POSSIBLE.
7. F.H. SHALL BE LOCATED MINIMUM 1 FT. OUTSIDE OF THE AREA BETWEEN THE P.C.'S OF THE CORNER TURNING RADII AT INTERSECTIONS. (SEE PLAN VIEW)
8. PLACEMENT OF F.H. SHALL BE WHERE PUMPER NOZZLE IS PERPENDICULAR TO AND FACING THE NEAREST CURB.

FIRE HYDRANT INSTALLATION	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.3	
		DATE Aug. 2019	STANDARD DRAWING NO. R-4120

STANDARD DRAWING NO. R-4120

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

WARNING: EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS AND ABOVE GROUND FIELD SURVEY DATA, THEREFORE THERE MAY BE UTILITIES PRESENT THAT ARE NOT SHOWN ON THESE CONSTRUCTION PLANS. CONTRACTOR TO FIELD VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND USE CAUTION DURING CONSTRUCTION. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES.

811 Know what's **below.** **Call** before you dig.

No.	REVISIONS	DATE

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

DYLAN S. ADAME 138132
Dylan Adame 05/11/2023

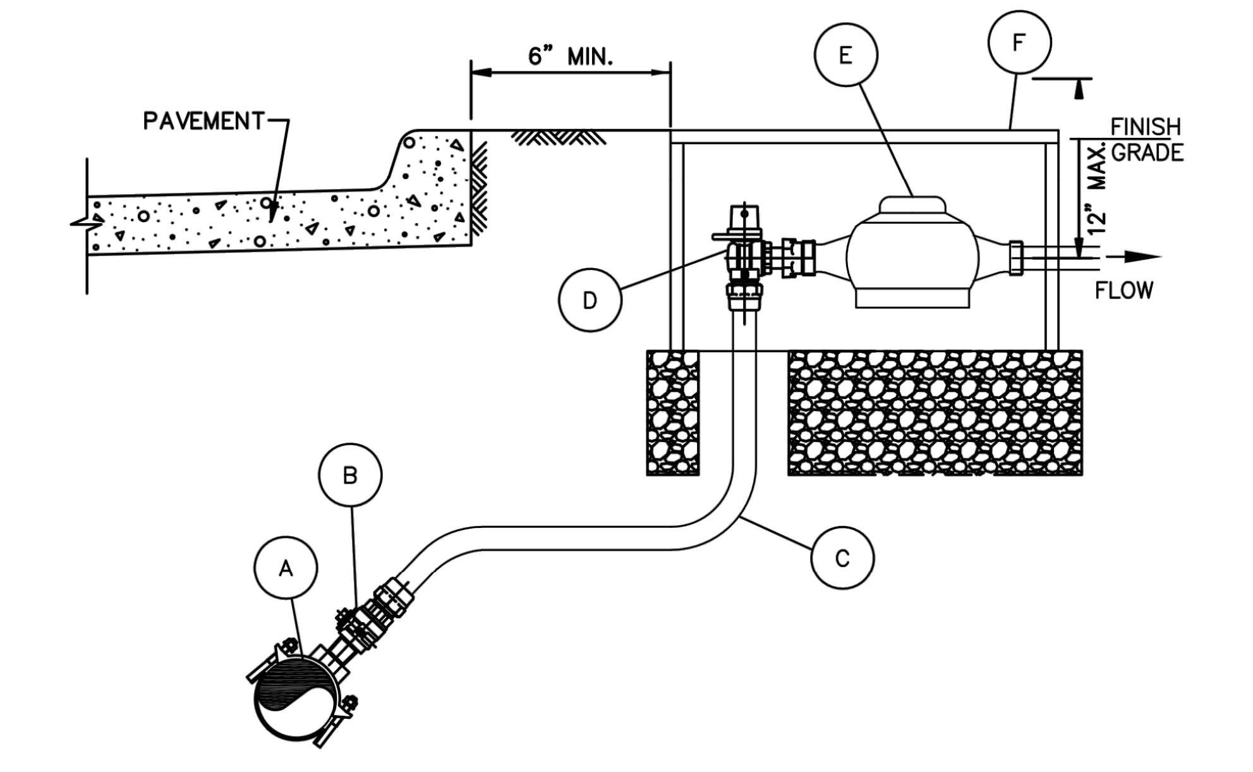
KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

WATER DETAILS (1 OF 2)

SHEET NUMBER
C-404

CITY FILE NO. SP2023-006



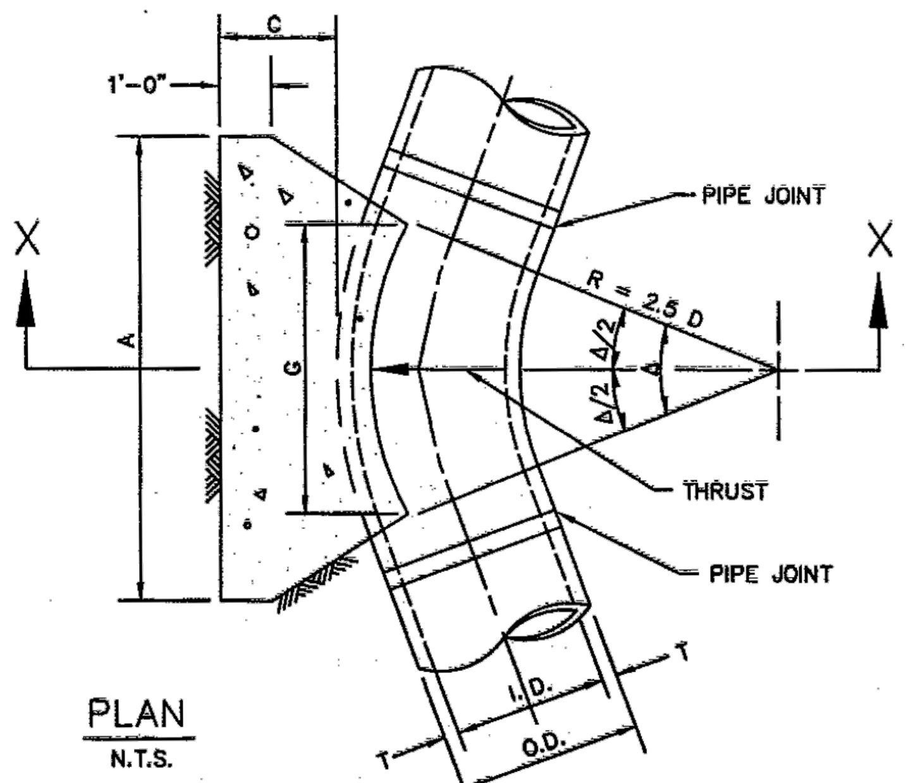
NOTES:

1. SERVICE PIPE SHALL BE 1" OR 2" SEAMLESS 250 PSI BLUE COLORED POLYETHYLENE ASTM D2737, SDR 9, CTS WATER SERVICE PIPE, NSF61 APPROVED.
2. TOP OF METER BOXES SHALL BE 1" ABOVE FINISHED GRADE.
3. METER BOX SHALL HAVE A MINIMUM OF 6" OF GRAVEL BENEATH METER BOX AS ILLUSTRATED.
4. LOCATION OF THE METER BOX SHALL BE LOCATED TO ALLOW 6" CLEARANCE FROM CURB.

MATERIAL LIST:

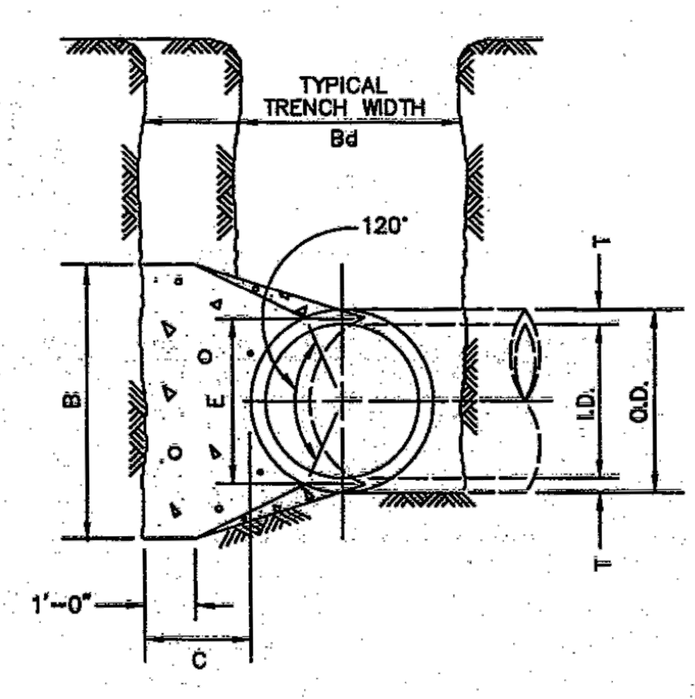
A. SERVICE SADDLE SHALL BE BRASS WITH DOUBLE BRONZE FLATTENED STRAPS OR STAINLESS STEEL DOUBLE BOLT WIDE STRAPS. NO BANDED OR HINGED STRAPS SHALL BE ALLOWED. SERVICE SADDLES SHALL MEET AWWA/CC TAPPING OUTLET (TAPERED THREADS) REQUIREMENTS. ALL SERVICE SADDLES SHALL BE PER APPROVED WATER MATERIALS LIST.
B. 1" OR 2" CORPORATION STOP PER APPROVED WATER MATERIALS LIST.
C. 1" OR 2" SERVICE PIPE SHALL BE SEAMLESS 250 PSI BLUE COLORED POLYETHYLENE ASTM D2737, SDR9, CTS WATER SERVICE PIPE, NSF61 APPROVED.
D. 1" OR 2" LOCKING ANGLE METER VALVE (STOP) PER APPROVED WATER MATERIALS LIST.
E. WATER METERS CENTERED IN BOX AS ILLUSTRATED.
F. ROUND METER BOX PER APPROVED WATER MATERIALS LIST.

WATER SERVICE INSTALLATION
1" OR 2" LINE
CITY OF ROCKWALL
DATE AUG '19
DRAWING NO. R-4130



PLAN
N.T.S.

REFER TO
STD. DWG. No. 4040
FOR GENERAL NOTES.



SECTION X–X
N.T.S.

HORIZONTAL THRUST BLOCK
AT PIPE BEND
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 502.4
DATE OCT. '04
STANDARD DRAWING NO. 4010A

I.D. (IN.)	T (IN.)	Δ = 11.25° C (FT.)	Δ ≥ 22.50° C (FT.)	E (FT.)
4,6,8	0.4	1.5	1.5	0.9
10,12	0.5	1.5	1.5	1.2
16,18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	2.9	1.5	1.9	2.6
36	4.5	1.5	2.3	3.3
42	5.0	1.8	2.6	3.8
48	5.5	2.0	3.0	4.3
54	6.0	2.3	3.4	4.8
60	6.5	2.5	3.8	5.3
66	6.8	2.8	4.1	5.7
72	7.5	3.0	4.5	6.3
78	7.5	3.3	4.9	6.7
84	8.0	3.5	5.3	7.2
90	8.5	3.8	5.6	7.7
96	9.0	4.0	6.0	8.2

I.D. (IN.)	Δ = 11.25° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	0.1
10,12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	0.1
16,18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3
24	1.1	8.9	3.0	3.5	0.5	1.5	3.0	0.3
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	3.3
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	3.9
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4

I.D. (IN.)	Δ = 22.50° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	0.8	2.0	1.5	1.5	0.1	1.0	1.0	0.1
10,12	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1
16,18	1.6	9.9	3.0	3.5	0.6	2.0	2.5	0.3
20	1.8	12.3	3.5	3.5	0.7	2.0	3.0	0.4
24	2.2	17.7	4.0	4.5	1.0	3.0	3.5	0.5
30	2.7	20.7	5.0	4.5	1.5	3.0	4.0	0.8
36	3.3	29.8	5.5	5.5	2.3	4.0	4.0	1.3
42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8
54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	5.5	82.7	9.5	9.0	10.6	6.0	7.0	5.3
66	6.0	100.1	10.5	10.0	14.1	6.5	8.0	7.2
72	6.6	119.1	11.0	11.0	17.6	7.5	8.0	9.1
78	7.1	139.8	12.0	12.0	22.5	8.0	9.0	11.7
84	7.6	162.1	13.0	12.5	27.2	8.5	10.0	14.8
90	8.2	186.1	14.0	13.5	33.7	9.5	10.0	17.7
96	8.7	211.7	15.0	14.5	41.2	10.0	11.0	21.8

TABLES OF DIMENSIONS AND QUANTITIES

HORIZONTAL THRUST BLOCK
AT PIPE BEND
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 502.4
DATE OCT. '04
STANDARD DRAWING NO. 4010B

I.D. (IN.)	Δ = 30° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1
10,12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2
16,18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.4
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7
30	3.6	27.5	6.5	5.0	1.9	3.5	4.0	0.9
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3
60	7.3	110.0	11.0	10.0	13.9	7.5	7.5	7.3
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	9.6
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	12.3
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	15.6
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	19.5
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	23.9
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	28.9

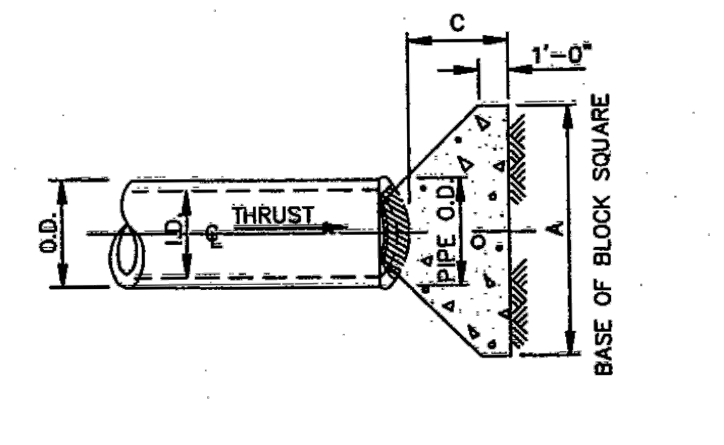
I.D. (IN.)	Δ = 45° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	1.5	3.9	2.0	2.0	0.2	1.5	1.5	0.1
10,12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3
16,18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6
20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7
24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1
30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6
36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.6
42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2
48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3
54	9.7	131.5	15.0	9.0	17.1	10.5	6.5	8.9
60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0
66	11.8	196.5	18.0	11.0	30.1	12.0	8.5	16.2
72	12.9	233.9	19.5	12.0	38.6	14.0	8.5	20.7
78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9
84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.6
90	16.1	365.5	24.5	15.0	74.5	17.5	10.5	39.6
96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5

I.D. (IN.)	Δ = 67.50° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4
16,18	4.7	28.3	7.5	4.0	1.9	5.5	3.0	0.9
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6
30	7.8	58.9	12.0	5.0	4.8	7.5	4.0	2.2
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9
60	15.6	235.8	24.0	10.0	35.6	16.0	7.5	17.6
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5
90	23.3	530.5	35.5	15.0	114.4	24.5	11.0	58.2
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0

I.D. (IN.)	Δ = 90° G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	2.7	7.1	5.0	1.5	0.4	2.0	2.0	0.2
10,12	4.0	16.0	6.5	2.5	1.0	3.5	2.5	0.5
16,18	6.0	36.0	9.0	4.0	2.4	4.5	4.0	1.0
20	6.6	44.4	10.0	4.5	3.1	6.0	4.0	1.5
24	7.9	64.0	14.5	4.5	5.0	8.0	4.0	2.1
30	9.9	75.0	15.0	5.0	6.7	10.0	4.0	3.3
36	11.9	108.0	18.0	6.0	11.4	12.0	4.5	5.3
42	13.9	147.0	21.0	7.0	17.8	14.0	5.5	8.7
48	15.9	192.0	24.0	8.0	26.2	16.0	6.0	12.4
54	17.9	243.0	27.0	9.0	36.9	18.0	7.0	18.1
60	19.9	299.8	30.0	10.0	50.3	20.0	7.5	24.0
66	21.8	362.8	33.0	11.0	66.2	22.0	8.5	32.5
72	23.8	431.8	36.0	12.0	85.6	24.0	9.0	41.0
78	25.7	506.7	39.0	13.0	108.2	26.0	10.0	53.2
84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	64.8
90	29.0	674.6	45.0	15.0	164.9	30.0	11.5	81.2
96	31.6	767.5	48.0	16.0	199.0	32.0	12.0	95.1

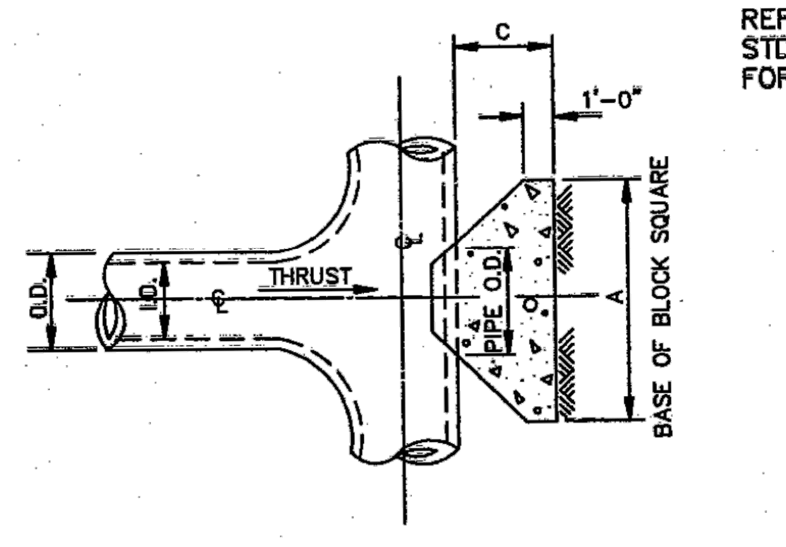
TABLES OF DIMENSIONS AND QUANTITIES

HORIZONTAL THRUST BLOCK
AT PIPE BEND
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 502.4
DATE OCT. '04
STANDARD DRAWING NO. 4010C



PLAN OF PLUG THRUST BLOCK
N.T.S.

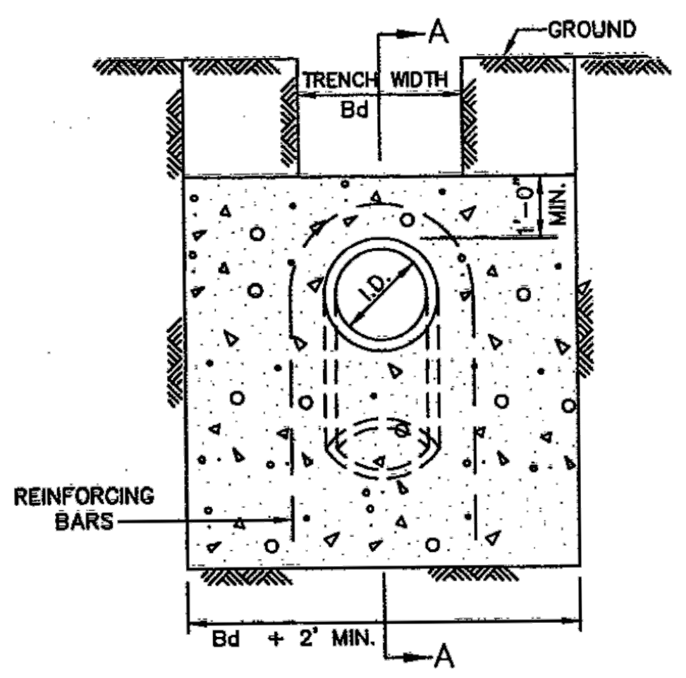
REFER TO
STD. DWG. No. 4040
FOR GENERAL NOTES.



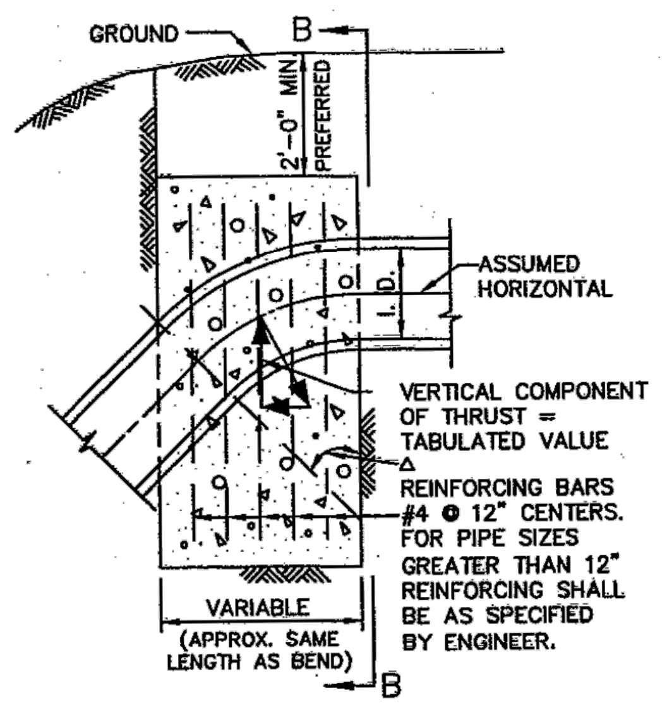
PLAN OF TEE THRUST BLOCK
N.T.S.

I.D. (IN.)	THRUST (TONS)	C (FT.)	EARTH A (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK VOL. (C.Y.)
4,6,8	5.1	1.5	2.5	0.3	2.0	0.2
10,12	11.3	1.5	3.5	0.6	2.5	0.3
16,18	25.5	2.0	5.5	1.6	4.0	0.9
20	31.5	2.0	6.0	1.9	4.0	0.9
24	45.2	2.5	7.0	3.1	5.0	1.7
30	53.0	3.0	7.5	4.1	5.5	2.4
36	76.3	4.0	9.0	7.3	6.5	4.2
42	104.0	4.5	10.5	11.0	7.5	6.2
48	136.0	5.0	12.0	15.6	8.5	8.7
54	172.0	5.5	13.5	21.4	9.5	11.9
60	212.0	6.0	15.0	28.4	10.5	15.7
66	257.0	6.5	16.5	36.8	11.5	20.5
72	305.0	7.5	17.5	47.2	12.5	27.2
78	358.0	8.0	19.0	58.9	13.5	33.7
84	416.0	8.5	20.5	72.3	14.5	41.2
90	477.0	9.0	22.0	87.7	15.5	49.7
96	543.0	9.5	23.5	104.8	16.5	61.0

HORIZONTAL THRUST BLOCK
AT TEES AND PLUGS
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 502.4
DATE OCT. '04
STANDARD DRAWING NO. 4020



ELEVATION "B–B"
N.T.S.


B
GROUND
2'-0" MIN PREFERRED
ASSUMED HORIZONTAL
VERTICAL COMPONENT OF THRUST = TABULATED VALUE
REINFORCING BARS #4 @ 12" CENTERS. FOR PIPE SIZES GREATER THAN 12" REINFORCING SHALL BE AS SPECIFIED BY ENGINEER.
VARIABLE (APPROX. SAME LENGTH AS BEND)
B

SECTION "A–A"
N.T.S.

REFER TO
STD. DWG. No. 4040
FOR GENERAL NOTES.

I.D. (IN.)	11.25° THRUST (TONS)	11.25° VOL. (C.Y.)	22.50° THRUST (TONS)	22.50° VOL. (C.Y.)	30° THRUST (TONS)	30° VOL. (C.Y.)	45° THRUST (TONS)	45° VOL. (C.Y.)	67.50° THRUST (TONS)	67.50° VOL. (C.Y.)	90° THRUST (TONS)	90° VOL. (C.Y.)	I.D. (IN.)
4,6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4,6,8
10,12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10,12
16,18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16,18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.6	29.8	117.0	58.4	153.0	76.3	216.0	108.0	282.0	141.0	305.0	153.0	72
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

VERTICAL THRUST BLOCK
AT PIPE BEND
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 502.4
DATE OCT. '04
STANDARD DRAWING NO. 4030

GENERAL NOTES FOR ALL THRUST BLOCKS:

1. CONCRETE FOR BLOCKING SHALL BE CLASS "B".
2. ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 PSI FOR DUCTILE IRON, P.V.C., AND 150 PSI FOR CONCRETE PIPE.
3. VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.
4. WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
5. POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.
6. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
7. THE SOIL BEARING PRESSURES ARE BASED ON 1000 LBS./S.F. IN SOIL AND 2000 LBS./S.F. IN ROCK.
8. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR PLUG TO PREVENT THE CONCRETE FROM STICKING TO IT.
9. CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

THRUST BLOCK
GENERAL NOTES
North Central Texas Council of Governments
STANDARD SPECIFICATION REFERENCE 502.4
DATE OCT. '04
STANDARD DRAWING NO. 4040

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023
BY: DYLAN ADAME, P.E.

WARNING: EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS AND ABOVE GROUND FIELD SURVEY DATA, THEREFORE THERE MAY BE UTILITIES PRESENT THAT ARE NOT SHOWN ON THESE CONSTRUCTION PLANS. CONTRACTOR TO FIELD VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND USE CAUTION DURING CONSTRUCTION. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES.

811 Know what's below. Call before you dig.

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
05/11/2023

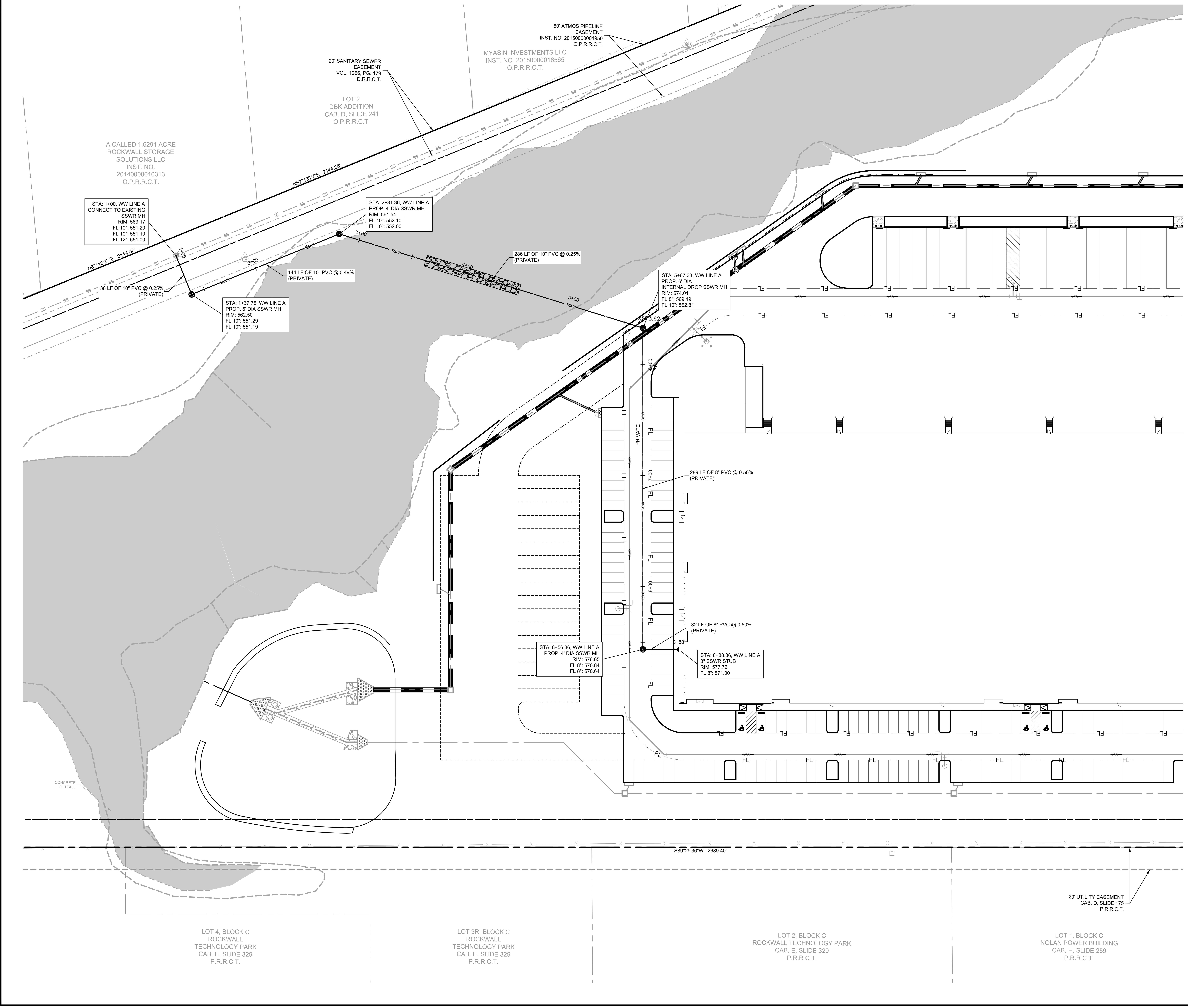
KHA PROJECT 068213100
DATE MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

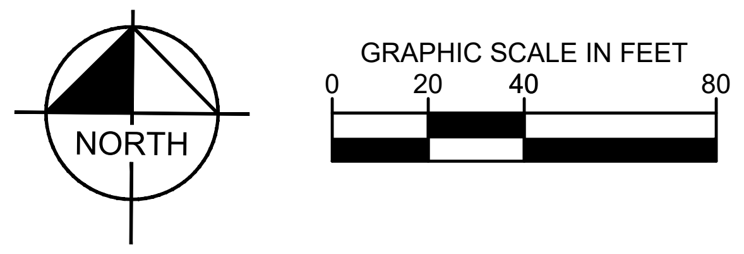
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

WATER DETAILS (2 OF 2)

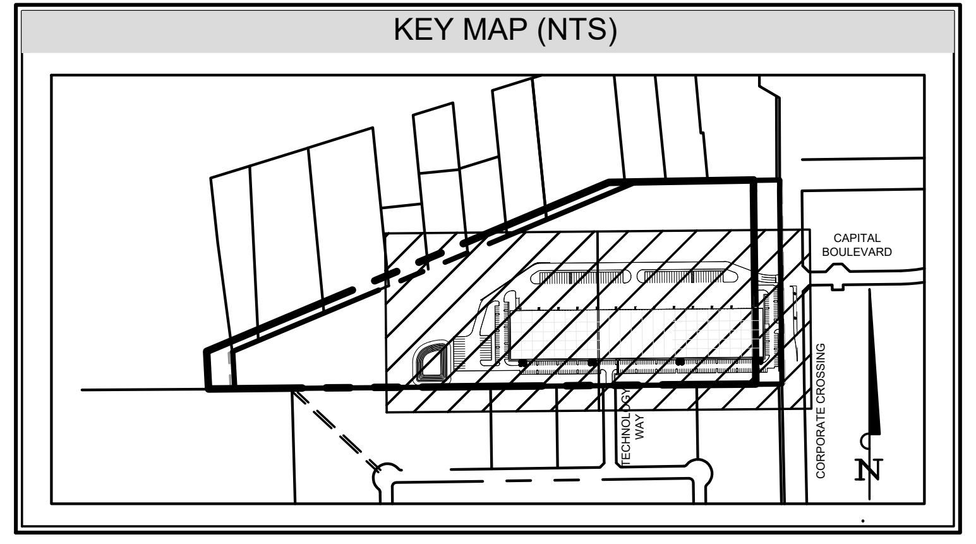
SHEET NUMBER
C-405

CITY FILE NO. SP2023-006


50' ATMOS PIPELINE
EASEMENT
INST. NO. 20150000001950
O.P.R.R.C.T.
MYASIN INVESTMENTS LLC
INST. NO. 20180000016565
O.P.R.R.C.T.
20' SANITARY SEWER
EASEMENT
VOL. 1256, PG. 179
D.R.R.C.T.
LOT 2
DBK ADDITION
CAB. D, SLIDE 241
O.P.R.R.C.T.
A CALLED 1.6291 ACRE
ROCKWALL STORAGE
SOLUTIONS LLC
INST. NO.
20140000010313
O.P.R.R.C.T.
N67°13'27"E 2144.85'
N67°13'27"E 2144.85'
STA: 1+00, WW LINE A
CONNECT TO EXISTING
SSWR MH
RIM: 563.17
FL 10": 551.20
FL 10": 551.10
FL 12": 551.00
38 LF OF 10" PVC @ 0.25%
(PRIVATE)
STA: 1+37.75, WW LINE A
PROP. 5' DIA SSWR MH
RIM: 562.50
FL 10": 551.29
FL 10": 551.19
144 LF OF 10" PVC @ 0.49%
(PRIVATE)
STA: 2+81.36, WW LINE A
PROP. 4' DIA SSWR MH
RIM: 561.54
FL 10": 552.10
FL 10": 552.00
286 LF OF 10" PVC @ 0.25%
(PRIVATE)
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
8+88
STA: 5+67.33, WW LINE A
PROP. 6' DIA
INTERNAL DROP SSWR MH
RIM: 574.01
FL 8": 569.19
FL 10": 552.81
573.62
PRIVATE
289 LF OF 8" PVC @ 0.50%
(PRIVATE)
32 LF OF 8" PVC @ 0.50%
(PRIVATE)
STA: 8+56.36, WW LINE A
PROP. 4' DIA SSWR MH
RIM: 576.65
FL 8": 570.84
FL 8": 570.64
STA: 8+88.36, WW LINE A
8" SSWR STUB
RIM: 577.72
FL 8": 571.00
CONCRETE
OUTFALL
S89°29'36"W 2689.40'
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
LOT 4, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 3R, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 2, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 1, BLOCK C
NOLAN POWER BUILDING
CAB. H, SLIDE 259
P.R.R.C.T.
FL
SS
10"SS
8"SS
8"W


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


CAPITAL BOULEVARD
N

LEGEND

PROPERTY LINE	— — —
PROPOSED FIRE LANE	—— FL —— FL ——
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - - - -
PROPOSED EASEMENT	— — — —
PROPOSED WATER LINE	—— W —— W ——
PROPOSED WASTEWATER LINE	—— WW —— WW ——
EXISTING FENCE LINE	—×—×—
EXISTING WATER LINE	—— W —— W ——
EXISTING WASTEWATER LINE	—— WW —— WW ——
EXISTING STORM DRAIN LINE	———————
EXISTING OVERHEAD ELECTRIC LINE	—— OHE —— OHE ——
EXISTING UNDERGROUND ELECTRIC LINE	—— UGE —— UGE ——
100 YEAR FLOOD PLANE	▨

NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY OF ROCKWALL STANDARD SPECIFICATIONS AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
2. SANITARY SEWER MAINS SHALL BE ASTM D 3034 (SDR-35).
3. ALL SANITARY SEWER EMBEDMENT SHALL FOLLOW THE CITY OF GRAND PRAIRIE STANDARD WASTEWATER EMBEDMENT DETAIL FOR PIPES 12" DIAMETER AND SMALLER.
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PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

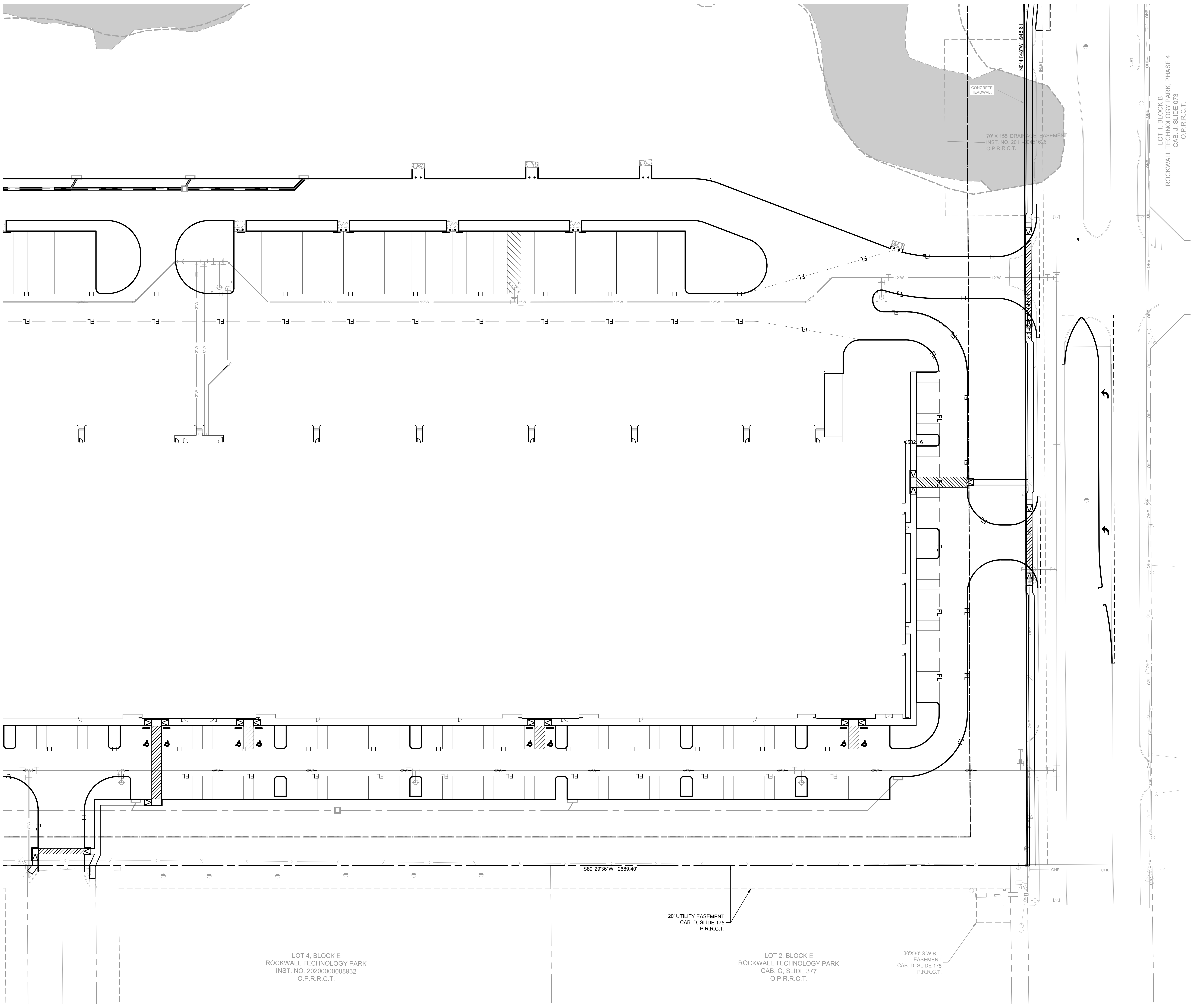
KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

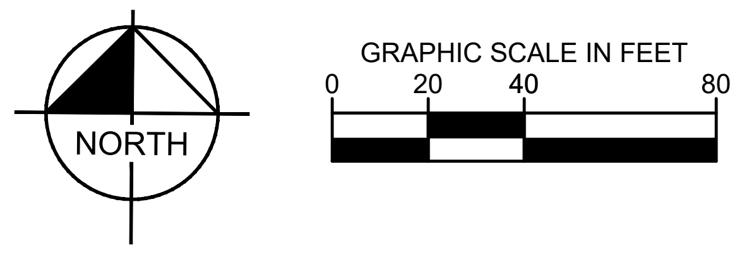
AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

SANITARY SEWER PLAN

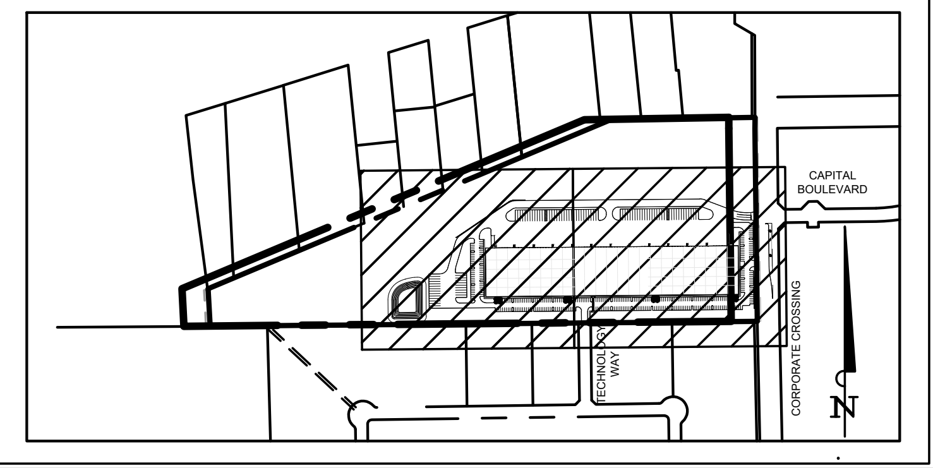
SHEET NUMBER
C-501

CITY FILE NO. SP2023-006


N0°41'48"W 948.61'
CONCRETE HEADWALL
70' X 155' DRAINAGE EASEMENT
INST. NO. 2011-00451626
O.P.R.R.C.T.
INLET
OHE
LOT 1, BLOCK B
ROCKWALL TECHNOLOGY PARK, PHASE 4
CAB. J, SLIDE 073
O.P.R.R.C.T.
FL
12"W
582.16
S89°29'36"W 2689.40'
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
LOT 4, BLOCK E
ROCKWALL TECHNOLOGY PARK
INST. NO. 20200000008932
O.P.R.R.C.T.
LOT 2, BLOCK E
ROCKWALL TECHNOLOGY PARK
CAB. G, SLIDE 377
O.P.R.R.C.T.
30'X30' S.W.B.T.
EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


CAPITAL BOULEVARD
TECHNOLOGY WAY
CORPORATE CROSSING
N

LEGEND	
PROPERTY LINE	▬ ▬ ▬
PROPOSED FIRE LANE	— FL — FL —
BUILDING SETBACK	— · — · —
EXISTING EASEMENT	- - - -
PROPOSED EASEMENT	- - - -
PROPOSED WATER LINE	— W — W —
PROPOSED WASTEWATER LINE	— WW — WW —
EXISTING FENCE LINE	— X — X —
EXISTING WATER LINE	— W — W —
EXISTING WASTEWATER LINE	— WW — WW —
EXISTING STORM DRAIN LINE	═ ═ ═
EXISTING OVERHEAD ELECTRIC LINE	— OHE — OHE —
EXISTING UNDERGROUND ELECTRIC LINE	— UGE — UGE —
100 YEAR FLOOD PLANE	▨

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138132
Dylan Adame
05/11/2023

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

SANITARY SEWER PLAN

SHEET NUMBER
C-502

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xBndy : xSite : xStrm : xSswr : xKeymap : xWatr : oPipeSswr : xTtlb
LAST SAVED 5/11/2023 2:41 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:18 PM
DWG PATH K:\DAL_Civil\68213100 - Stream Rockwall\4_Design\CAD\PlanSheets
DWG NAME C-SSWR.dwg

No.	REVISIONS	DATE

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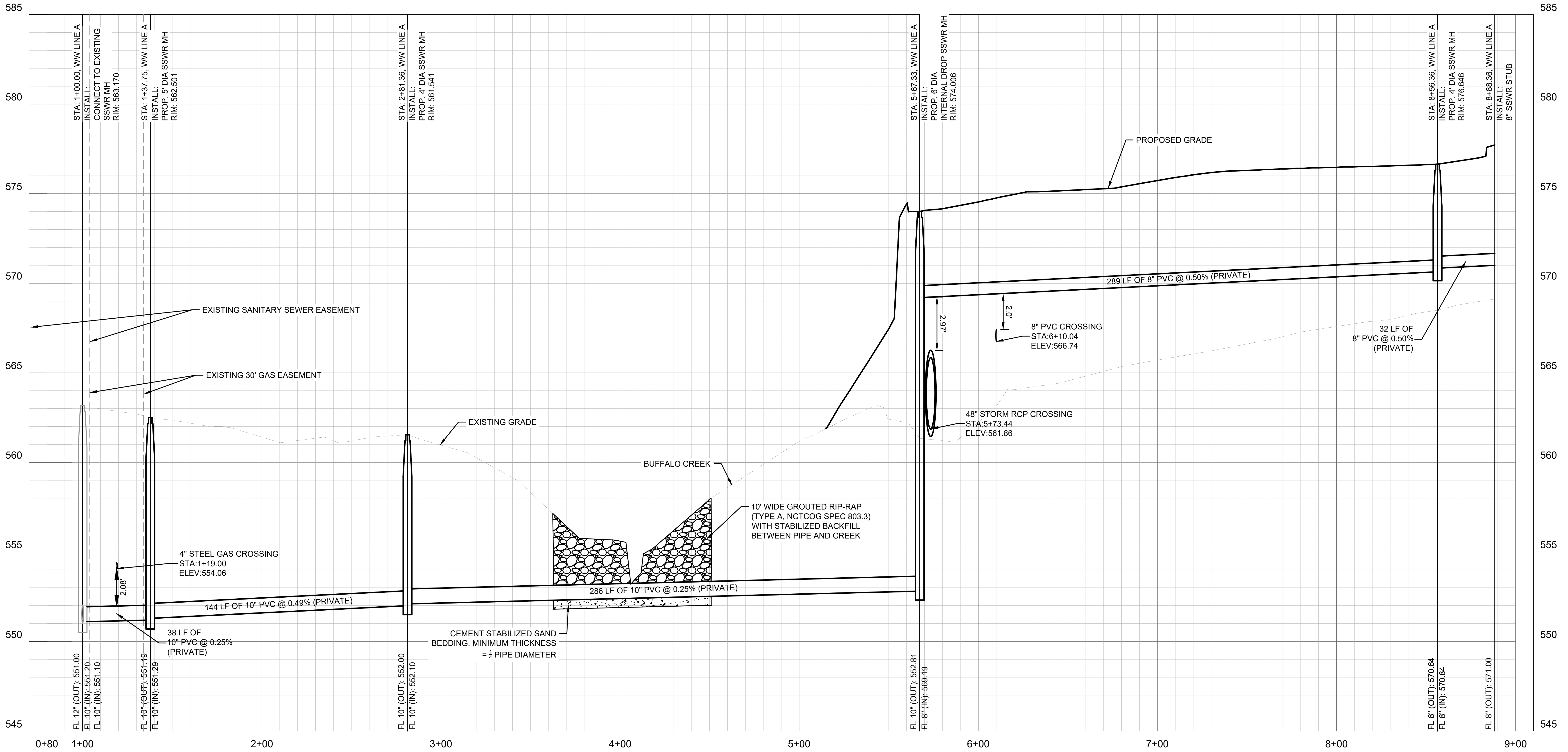
7. LOCATION OF THE SAMPLE PORT SHALL COMPLY WITH THE CITY STANDARD DETAIL.

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'


585
580
575
570
565
560
555
550
545
STA: 1+00.00, WW LINE A
INSTALL:
CONNECT TO EXISTING
SSWR MH
RIM: 563.170
STA: 1+37.75, WW LINE A
INSTALL:
PROP. 5' DIA SSWR MH
RIM: 562.501
STA: 2+81.36, WW LINE A
INSTALL:
PROP. 4' DIA SSWR MH
RIM: 561.541
STA: 5+67.33, WW LINE A
INSTALL:
PROP. 6' DIA
INTERNAL DROP SSWR MH
RIM: 574.006
STA: 8+56.36, WW LINE A
INSTALL:
PROP. 4' DIA SSWR MH
RIM: 576.646
STA: 8+88.36, WW LINE A
INSTALL:
8" SSWR STUB
PROPOSED GRADE
289 LF OF 8" PVC @ 0.50% (PRIVATE)
2.97'
2.0'
8" PVC CROSSING
STA:6+10.04
ELEV:566.74
32 LF OF
8" PVC @ 0.50%
(PRIVATE)
EXISTING SANITARY SEWER EASEMENT
EXISTING 30' GAS EASEMENT
EXISTING GRADE
48" STORM RCP CROSSING
STA:5+73.44
ELEV:561.86
BUFFALO CREEK
10' WIDE GROUTED RIP-RAP
(TYPE A, NCTCOG SPEC 803.3)
WITH STABILIZED BACKFILL
BETWEEN PIPE AND CREEK
4" STEEL GAS CROSSING
STA:1+19.00
ELEV:554.06
2.08'
286 LF OF 10" PVC @ 0.25% (PRIVATE)
144 LF OF 10" PVC @ 0.49% (PRIVATE)
38 LF OF
10" PVC @ 0.25%
(PRIVATE)
CEMENT STABILIZED SAND
BEDDING. MINIMUM THICKNESS
= ¼ PIPE DIAMETER
FL 12" (OUT): 551.00
FL 10" (IN): 551.20
FL 10" (IN): 551.10
FL 10" (OUT): 551.19
FL 10" (IN): 551.29
FL 10" (OUT): 552.00
FL 10" (IN): 552.10
FL 10" (OUT): 552.81
FL 8" (IN): 569.19
FL 8" (OUT): 570.64
FL 8" (IN): 570.84
FL 8" (OUT): 571.00
0+80
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00

PRIVATE WW LINE A
STA. 1+00 TO STA. 9+00

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023
BY: DYLAN ADAME, P.E.

WARNING: EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD DRAWINGS AND ABOVE GROUND FIELD SURVEY DATA, THEREFORE THERE MAY BE UTILITIES PRESENT THAT ARE NOT SHOWN ON THESE CONSTRUCTION PLANS. CONTRACTOR TO FIELD VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION AND USE CAUTION DURING CONSTRUCTION. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES.

811
Know what's **below.**
Call before you dig.

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
DESIGNED BY DSA
DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

SANITARY SEWER PROFILE

SHEET NUMBER
C-503

CITY FILE NO. SP2023-006

IMAGES DSA :
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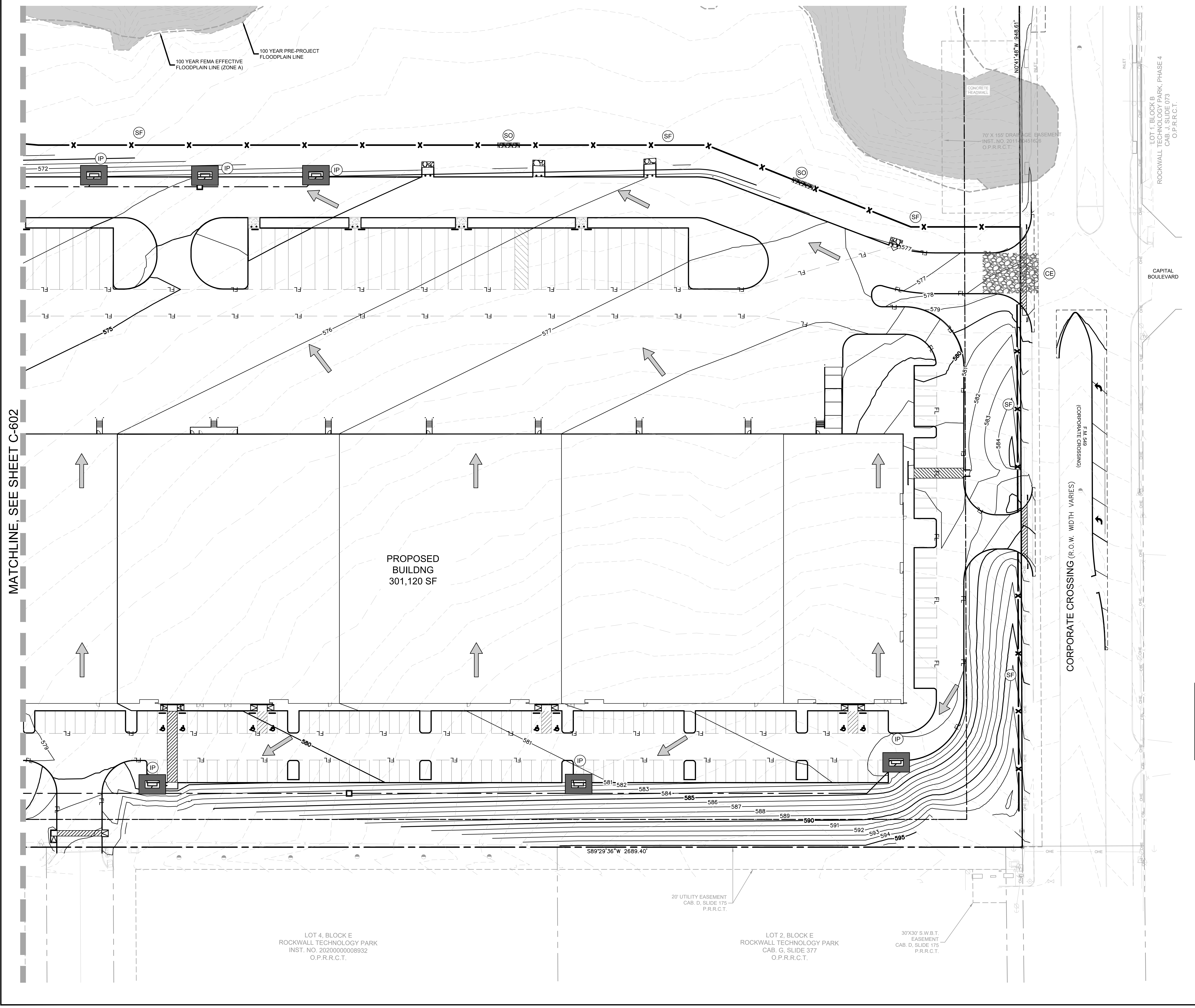
MATCHLINE, SEE SHEET C-602
100 YEAR FEMA EFFECTIVE FLOODPLAIN LINE (ZONE A)
100 YEAR PRE-PROJECT FLOODPLAIN LINE
SF
SO
IP
CE
PROPOSED BUILDNG 301,120 SF
CONCRETE HEADWALL
70' X 155' DRAINAGE EASEMENT INST. NO. 20110000451626 O.P.R.R.C.T.
N0°41'48"W 948.61'
S89°29'36"W 2689.40'
LOT 1, BLOCK B ROCKWALL TECHNOLOGY PARK, PHASE 4 CAB. J, SLIDE 073 O.P.R.R.C.T.
CAPITAL BOULEVARD
CORPORATE CROSSING (R.O.W. WIDTH VARIES)
F.M. 549 (CORPORATE CROSSING)
20' UTILITY EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
LOT 4, BLOCK E ROCKWALL TECHNOLOGY PARK INST. NO. 20200000008932 O.P.R.R.C.T.
LOT 2, BLOCK E ROCKWALL TECHNOLOGY PARK CAB. G, SLIDE 377 O.P.R.R.C.T.
30'X30' S.W.B.T. EASEMENT CAB. D, SLIDE 175 P.R.R.C.T.
572
575
576
577
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595
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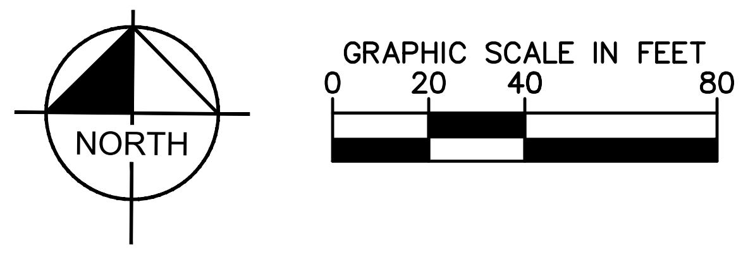
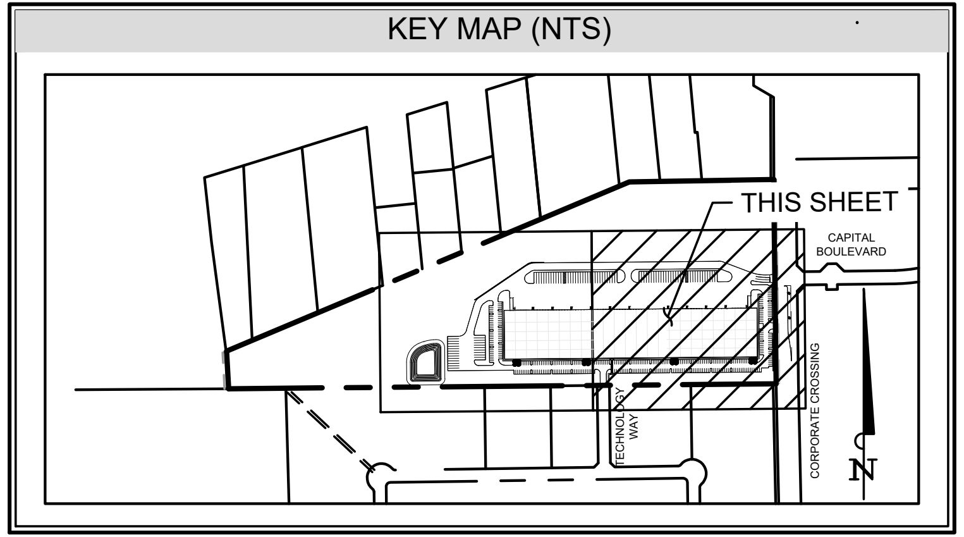
OHE


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
CORPORATE CROSSING
N

LEGEND	
PROPOSED CONTOUR	560
EXISTING CONTOUR	560
PROPERTY LINE	— —
SILT FENCE (SF)	—X—
STONE OVERFLOW* (SO)	▨
INLET PROTECTION (IP)	▭
CONSTRUCTION ENTRANCE (CE)	▨
FLOW DIRECTION	⇨

*PER 2018 ISWM TECHNICAL MANUAL, CONSTRUCTION CONTROL DETAILS

NOTES

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
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9. ALL EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AND MAINTAINED IN COMPLIANCE WITH CITY STANDARD EROSION CONTROL CONSTRUCTION DETAILS. SHEET 1 AND 2 ARE ATTACHED.
10. CONTRACTOR SHALL POLICE SITE REGULARLY AND KEEP SITE FREE OF TRASH AND DEBRIS.

TOTAL SITE ACREAGE: 42.237 ACRES
TOTAL DISTURBED ACREAGE = XX ACRES

"RECORD DRAWING"
DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

DATE: 5/11/2023　　BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT 068213100	DATE MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS

STREAM ROCKWALL

PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL　TEXAS

EROSION CONTROL PLAN (1 OF 2)

SHEET NUMBER
C-601

CITY FILE NO. SP2023-006

IMAGES　DSA :
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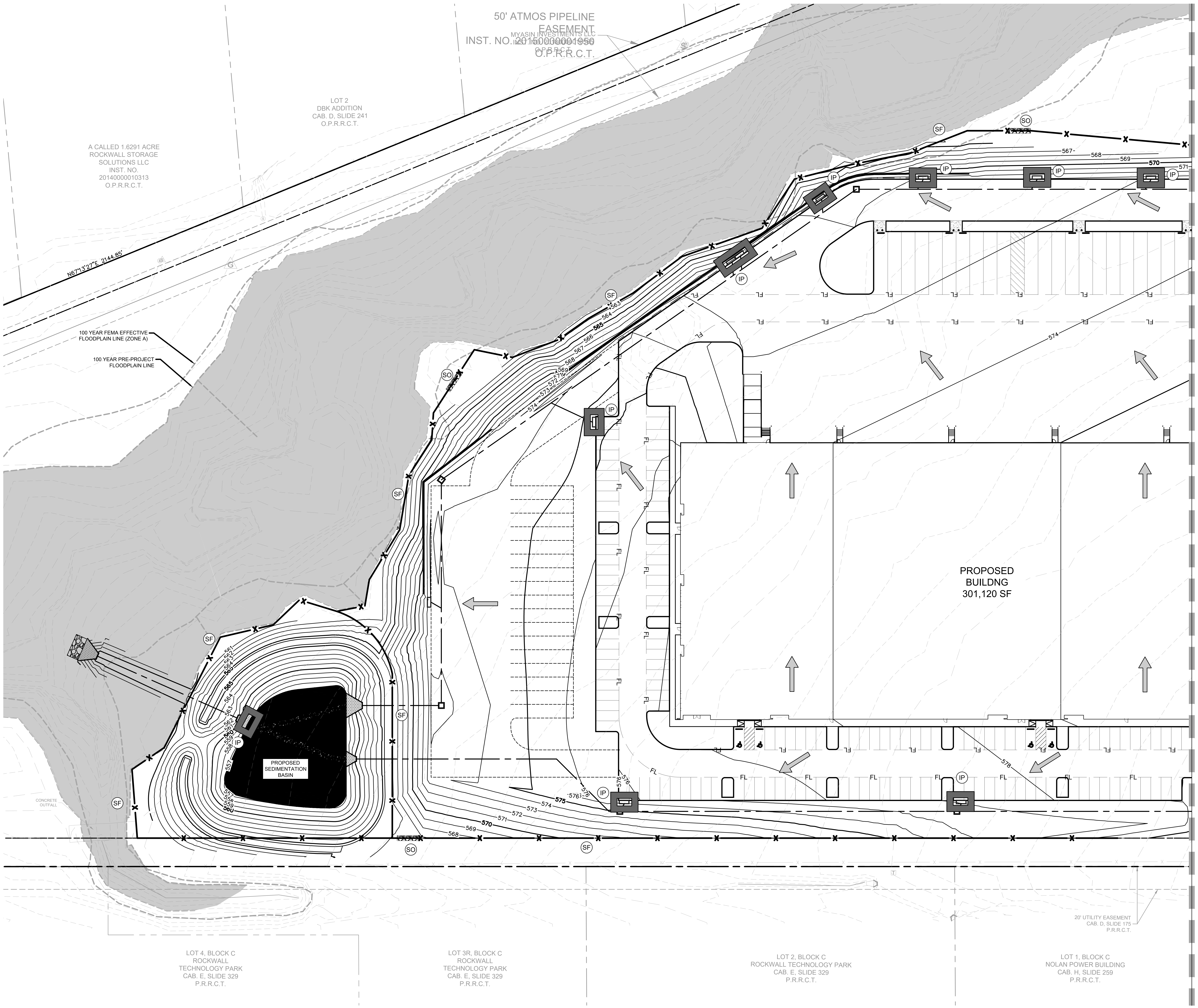
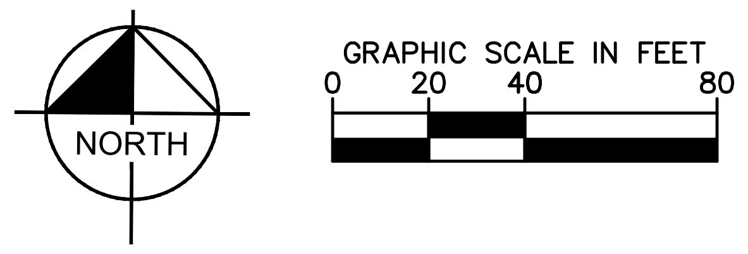
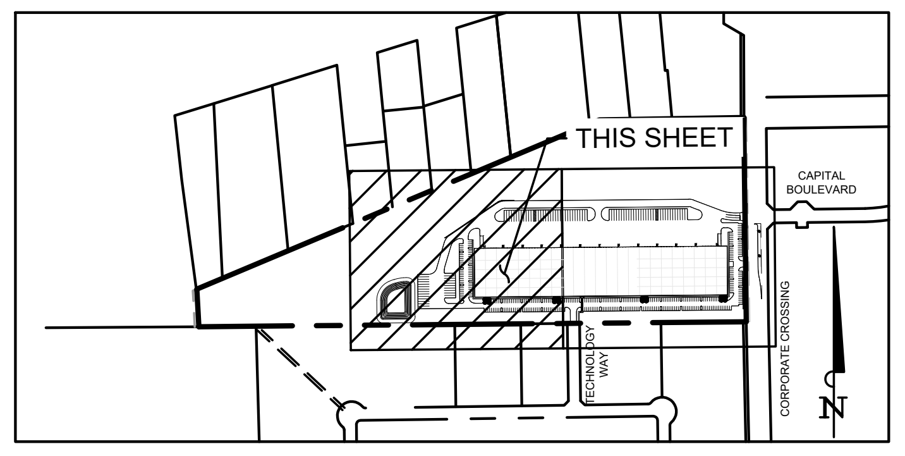

50' ATMOS PIPELINE
EASEMENT
INST. NO. 20150000001950
O.P.R.R.C.T.
MYASIN INVESTMENTS LLC
LOT 2
DBK ADDITION
CAB. D, SLIDE 241
O.P.R.R.C.T.
A CALLED 1.6291 ACRE
ROCKWALL STORAGE
SOLUTIONS LLC
INST. NO.
20140000010313
O.P.R.R.C.T.
N67°13'27"E 2144.85'
100 YEAR FEMA EFFECTIVE
FLOODPLAIN LINE (ZONE A)
100 YEAR PRE-PROJECT
FLOODPLAIN LINE
SF
SO
IP
PROPOSED
BUILDNG
301,120 SF
PROPOSED
SEDIMENTATION
BASIN
CONCRETE
OUTFALL
FL
567
568
569
570
571
574
575
576
578
MATCHLINE, SEE SHEET C-601
20' UTILITY EASEMENT
CAB. D, SLIDE 175
P.R.R.C.T.
LOT 4, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 3R, BLOCK C
ROCKWALL
TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 2, BLOCK C
ROCKWALL TECHNOLOGY PARK
CAB. E, SLIDE 329
P.R.R.C.T.
LOT 1, BLOCK C
NOLAN POWER BUILDING
CAB. H, SLIDE 259
P.R.R.C.T.


NORTH
GRAPHIC SCALE IN FEET
0
20
40
80

KEY MAP (NTS)


THIS SHEET
CAPITAL BOULEVARD
CORPORATE CROSSING
N

LEGEND

PROPOSED CONTOUR		—560—
EXISTING CONTOUR		- -560- -
PROPERTY LINE		— — —
SILT FENCE	SF	—X—
STONE OVERFLOW*	SO	▨
INLET PROTECTION	IP	▭
CONSTRUCTION ENTRANCE	CE	▨
FLOW DIRECTION		⇨

*PER 2018 ISWM TECHNICAL MANUAL, CONSTRUCTION CONTROL DETAILS

NOTES

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TOTAL SITE ACREAGE: 42.237 ACRES
TOTAL DISTURBED ACREAGE = 22.24 ACRES

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DATE: 5/11/2023 BY: DYLAN ADAME, P.E.

No.	REVISIONS	DATE

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

DYLAN S. ADAME
138132
05/11/2023
Dylan Adame

KHA PROJECT	068213100
DATE	MAY 2023
SCALE	AS SHOWN
DESIGNED BY	DSA
DRAWN BY	CAL
CHECKED BY	DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

EROSION CONTROL PLAN (2 OF 2)

SHEET NUMBER
C-602

CITY FILE NO. SP2023-006

IMAGES DSA :
XREFS xTtlb : xBndy : xSite : xStrm : xKeymap
LAST SAVED 3/11/2022 1:13 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:19 PM
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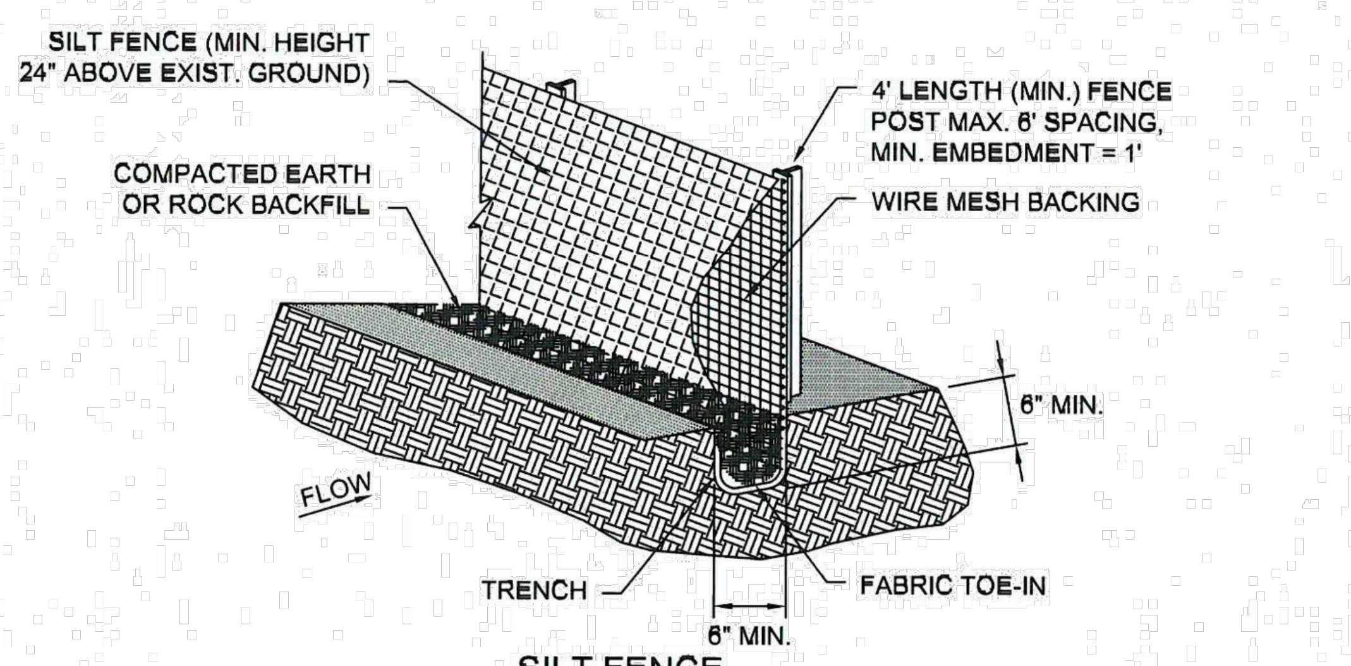
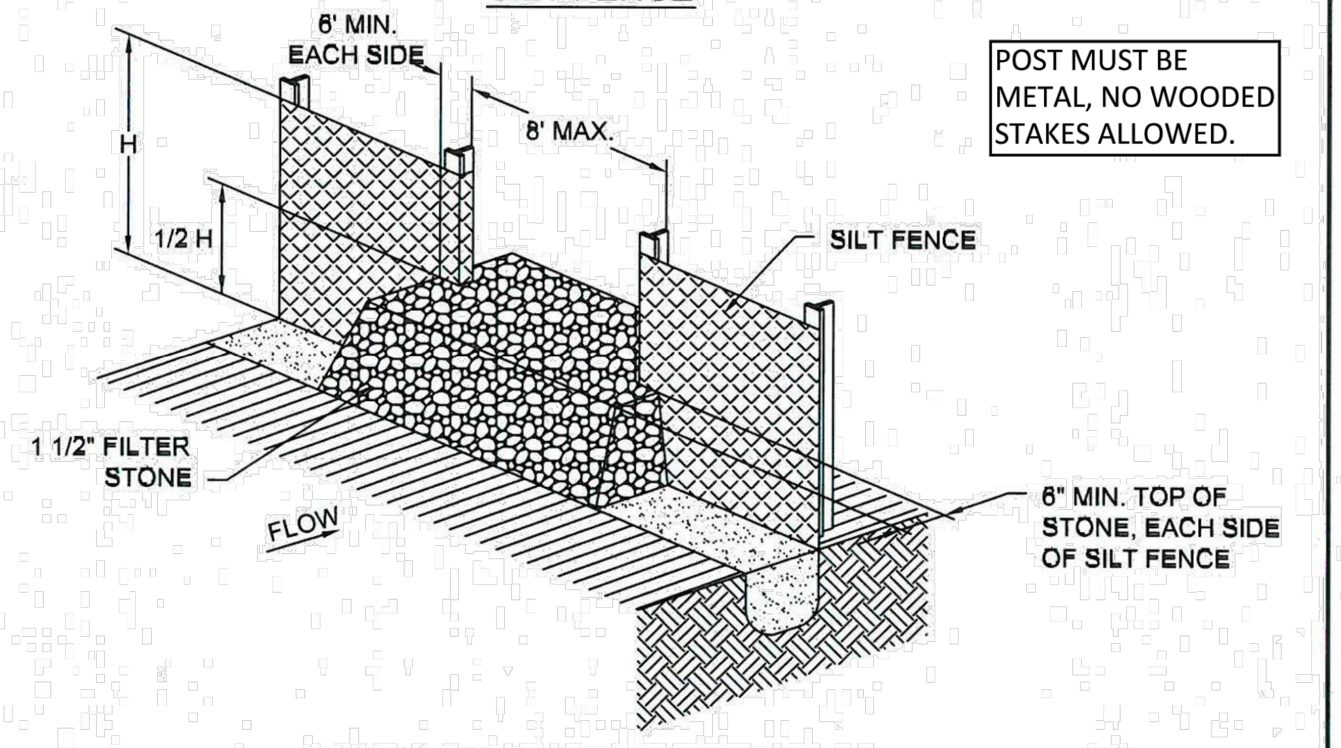

SILT FENCE (MIN. HEIGHT
24" ABOVE EXIST. GROUND)
COMPACTED EARTH
OR ROCK BACKFILL
4' LENGTH (MIN.) FENCE
POST MAX. 6' SPACING,
MIN. EMBEDMENT = 1'
WIRE MESH BACKING
6" MIN.
FLOW
TRENCH
FABRIC TOE-IN
6" MIN.

SILT FENCE


6' MIN.
EACH SIDE
8' MAX.
H
1/2 H
SILT FENCE
1 1/2" FILTER
STONE
FLOW
6" MIN. TOP OF
STONE, EACH SIDE
OF SILT FENCE

POST MUST BE
METAL, NO WOODED
STAKES ALLOWED.

STONE OVERFLOW STRUCTURE

SILT FENCE
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 202.5 *
DATE Mar. 2018
STANDARD DRAWING NO. R-1020A

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

SILT FENCE GENERAL NOTES:

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

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

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

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

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

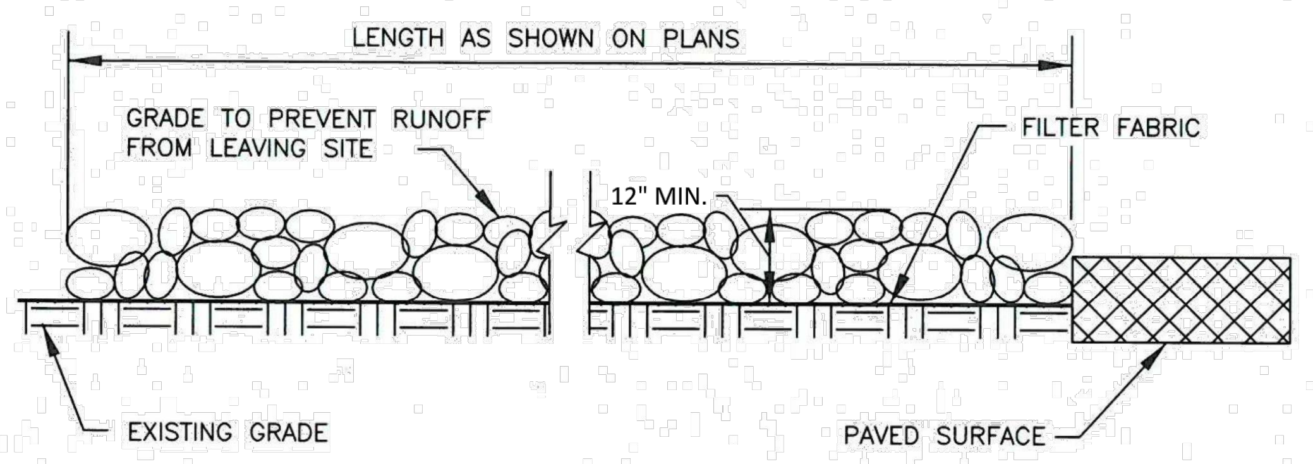
6. SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.

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

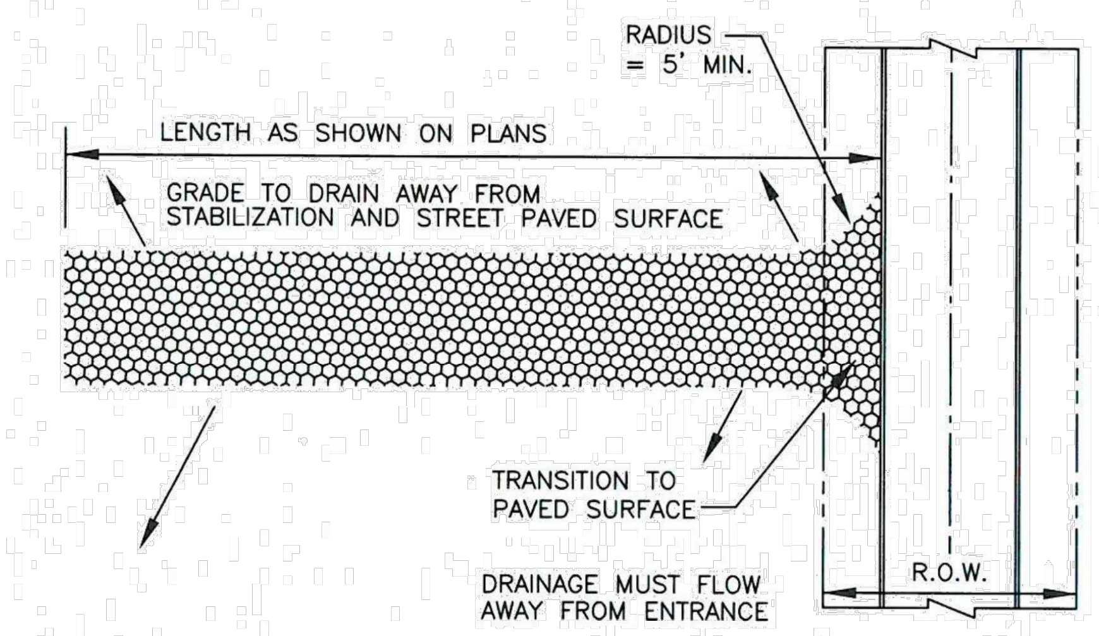
8. FILTER STONE SHALL BE WRAPPED IN FILTER FABRIC AND BURIED SIX (6") INCHES MINIMUM.

SILT FENCE
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 202.5 *
DATE Mar. 2018
STANDARD DRAWING NO. R-1020B

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


LENGTH AS SHOWN ON PLANS
GRADE TO PREVENT RUNOFF
FROM LEAVING SITE
12" MIN.
FILTER FABRIC
EXISTING GRADE
PAVED SURFACE

PROFILE VIEW
N.T.S.


RADIUS
= 5' MIN.
LENGTH AS SHOWN ON PLANS
GRADE TO DRAIN AWAY FROM
STABILIZATION AND STREET PAVED SURFACE
TRANSITION TO
PAVED SURFACE
DRAINAGE MUST FLOW
AWAY FROM ENTRANCE
R.O.W.

PLAN VIEW
N.T.S.

Note: No crushed
concrete or recycled
concrete allowed.

STABILIZED CONSTRUCTION ENTRANCE
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 202.11 *
DATE Mar. 2018
STANDARD DRAWING NO. R-1070A

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

STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

1. STONE SHALL BE 4 TO 6 INCH DIAMETER COARSE AGGREGATE.

2. MINIMUM LENGTH SHALL BE 50 FEET AND WIDITH SHALL BE 20 FEET.

3. THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.

4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.

5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.

7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

8. PREVENT SHORTCUTTING OF THE FULL LENGTH OF THE CONSTRUCTION ENTRANCE BY INSTALLING BARRIERS AS NECESSARY.

9. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP.

10. NO CRUSHED OR RECYCLED CONCRETE ALLOWED.

STABILIZED CONSTRUCTION ENTRANCE
CITY OF ROCKWALL
STANDARD SPECIFICATION REFERENCE 202.11 *
DATE Mar. 2018
STANDARD DRAWING NO. R-1070B

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BY: DYLAN ADAME, P.E.

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WWW.KIMLEY-HORN.COM TX F-928

DYLAN S. ADAME
138132
Dylan Adame
05/11/2023

KHA PROJECT
068213100
DATE
MAY 2023
SCALE AS SHOWN
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DRAWN BY CAL
CHECKED BY DFG

AS-BUILT DRAWINGS
STREAM ROCKWALL
PREPARED FOR
STREAM REALTY ACQUISITION, LLC.
ROCKWALL TEXAS

EROSION CONTROL
DETAILS

SHEET NUMBER
C-603

CITY FILE NO. SP2023-006

IMAGES DSA :
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LAST SAVED 3/11/2022 1:13 PM
PLOTTED BY SHUROR, AARON 5/11/2023 3:19 PM
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DWG NAME C-EROS.dwg