# STREAM REALTY ACQUISITION, LLC.

## OWNER

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## ARCHITECT

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## **ENGINEER**

KIMLEY-HORN AND ASSOCIATES, INC. 13455 NOEL ROAD TWO GALLERIA OFFICE TOWER, SUITE 700 DALLAS, TEXAS 75240 PHONE: 972-770-1300 CONTACT: DYLAN ADAME, P.E. EMAIL: DYLAN.ADAME@KIMLEY-HORN.COM **TEXAS REGISTERED ENGINEERING FIRM NO. F-928** 

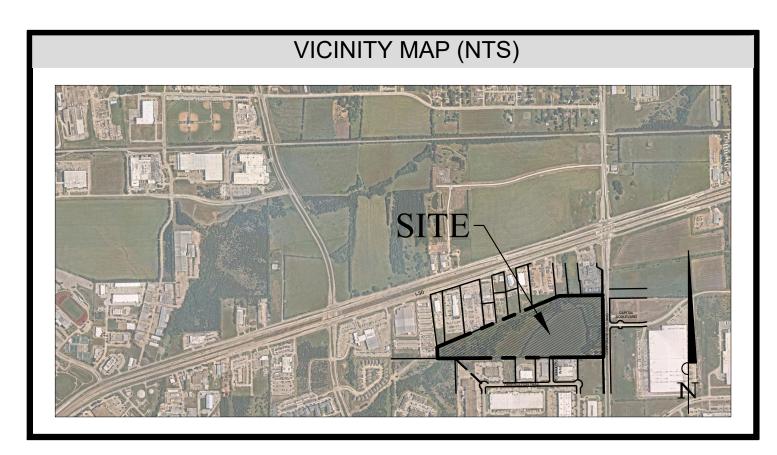
## LANDSCAPE ARCHITECT

KIMLEY-HORN AND ASSOCIATES, INC. 13455 NOEL ROAD TWO GALLERIA OFFICE TOWER, SUITE 700 DALLAS, TEXAS 75240 PHONE: 972-770-1300 CONTACT: BLAINE MIKULIK, PLA. EMAIL: BLAINE.MIKULIK@KIMLEY-HORN.COM **TEXAS REGISTERED ENGINEERING FIRM NO. F-928** 

## **CIVIL CONSTRUCTION DOCUMENTS** PAVING, DRAINAGE & UTILITY IMPROVEMENTS

# **ROCKWALL INDUSTRIAL** PREPARED FOR

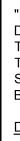
**1515 CORPORATE CROSSING** CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS



SHEET N C-001 C-002 C-003 C-004 C-101 C-102 C-103 C-104 C-201 C-202 C-203 C-301 C-302 C-303 C-304 C-305 C-306 C-401 C-601 C-602

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

DECEMBER 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.

							No. REVISIONS DATE	
				13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER,	SUITE 700, DALLAS, TX 75240 PHONF: 979-770-1300 FAX: 979-38-3820	WWW.KIMLEY-HORN.COM TX F-928	© 2024 KIMLEY-HORN AND ASSOCIATES, INC.	
ANNUNNUNN CE			DYLAN S. ADAME	138132 5 FI	CENSCO ST	A A ARABARA	1112024 5/17/2024	
Ŀ	068213100	TE 2001	AY 2024	SCALE AS SHOWN	DESIGNED BY CAL	DRAWN BY CAL	снескер ву DSA	
				PREPARED FOR			ROCKWALL TEXAS CHECKED B	
								CITY FILE NO. <u>SP2023-006</u>
		<sup>SHE</sup>			мве <b>)1</b>			CITY FI

- . All construction shall conform to the requirements set forth in the City of Rockwall's Engineeric Department's "Standards of Design and Construction" and the "Standard Specifications for Public Wor Construction" by the North Texas Central Council of Governments, 5th edition amended by the City Rockwall. The CONTRACTOR shall reference the latest City of Rockwall standard details provided in t Rockwall Engineering Departments "Standards of Design and Construction" manual for details not provid in these plans. The CONTRACTOR shall possess one set of the NCTCOG Standard Specifications and Deta and the City of Rockwall's "Standards of Design and Construction" manual on the project site at all times
- Where any conflicting notes, details or specifications occur in the plans the City of Rockwall Gener Construction Notes, Standards, Details and Specifications shall govern unless detail or specification is mo strict.
- The City of Rockwall Engineering Departments "Standards of Design and Construction" can be found onli at: <u>http://www.rockwall.com/engr.asp</u>
- 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 s
- 5. Prior to construction, CONTRACTOR shall have in their possession all necessary permits, plans, license etc.
- 6. The CONTRACTOR shall have at least one original stamped and signed set of approved engineering pla and specifications on-site and in their possession at all times. A stop work order will be issued if items a not on-site. Copies of the approved plans will not be substituted for the required original "approved plans be on-site".
- All material submittals, concrete batch designs and shop drawings required for City review and approval sh be submitted by the CONTRACTOR to the City sufficiently in advance of scheduled construction to allo 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, was systems, wastewater systems, storm sewer systems including detention systems, and associated fixtures a structures which are located within the right-of-ways or defined easements. The two (2) year maintenan 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. T design engineer or their designated representative and the CONTRACTOR shall be present to walk the s 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 permitting as required by the Environmental Protection Agency (EPA) and the Texas Commission Environmental Quality (TCEQ). This includes, but is not limited to, preparation of the Storm Water Polluti Prevention Plan (SWPPP), the Construction Site Notice (CSN), the Notice of Intent (NOI), the Notice 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 sta of land disturbing activities.
- 3. All erosion control devices are to be installed in accordance with the approved plans, specifications and Stor Water Pollution Prevention Plan (SWPPP) for the project. Erosion control devices shall be placed and working order prior to start of construction. Changes are to be reviewed and approved by the design engine and the City of Rockwall prior to implementation.
- 4. If the Erosion Control Plans and Storm Water Pollution Prevention Plan (SWPPP) as approved cannappropriately control erosion and off-site sedimentation from the project, the erosion control plan and/or t SWPPP is required to be revised and any changes reported to the Texas Commission on Environment Quality (TCEQ), when applicable.
- 5. All erosion control devices shall be inspected weekly by the CONTRACTOR and after all major rain even or more frequently as dictated in the project Storm Water Pollution Prevention Plan (SWPPI CONTRACTOR shall provide copies of inspection's reports to the engineering inspection after ea inspection.
- The CONTRACTOR shall not dispose of waste and any materials into streams, waterways or floodplain The CONTRACTOR shall secure all excavation at the end of each day and dispose of all excess materials.
   CONTRACTOR shall take all available precautions to control dust. CONTRACTOR shall control dust
- 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 "Permane Stand of Grass" is obtained at which time the project will be accepted by the City. A "Stand of Grass" (r winter rye or weeds) shall consist of 75% to 80% coverage of all disturbed areas and a minimum of one-in (1") in height as determined by the City. No bare spots will be allowed. Re-seeding will be required in 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-w 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, debris and trash shall be removed at the end of each work day, and all vegetation on the construction site 1 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 contrarequirements 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 wi sediment trapping measures. The CONTRACTOR is responsible for the temporary protection and permane stabilization of all soil stockpiles on-site as well as borrow areas and soil intentionally transported from t project site.
- 14. Where construction vehicles access routes intersect paved or public roads/alleys, construction entrances sh be installed to minimize the transport of sediment by vehicular tracking onto paved surfaces. Where sedime is transferred onto paved or public surfaces, the surface shall be immediately cleaned. Sediment shall

		removed from the surface by shoveling or sweeping and transported to a sediment disposal area. Pavement	WATER LINE NO
ing rks	15.	washing shall be allowed only after sediment is removed in this manner. All drainage inlets shall be protected from siltation, ineffective or unmaintained protection devices shall be	<ol> <li>The CONTRAC</li> <li>Proposed water</li> </ol>
rks of	10.	immediately replaced and the inlet and storm system cleaned. Flushing is not an acceptable method of	pipeline sizes 12
the		cleaning.	shown on water
led	16.	During all dewatering operations, water shall be pumped into an approved filtering device prior to discharge	feet for 6-inch th
ails		into a receiving outlet.	3. Proposed water engineering stan
eral	TR	AFFIC CONTROL	4. CONTRACTOR
ore	1.	All new Detouring or Traffic Control Plans are required to be submitted to the City for review and approval	Inspector and W
	2.	a minimum of 21 calendar days prior to planned day of implementation.	date of notice to
ine	۷.	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	CONTRACTOR Water shut down
ion		public through the area. Consideration for road user safety, worker safety, and the efficiency of road user flow	is required to co
OR SR	_	is an integral element of every traffic control zone.	as any costs incu
set.	3.	All traffic control plans shall be prepared and submitted to the Engineering Department in accordance with	5. CONTRACTOR
ses,		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	(both existing ar
		plan. Traffic control plans shall be required on all roadways as determined by the City Engineer or the	6. All fire hydrant Service Center.
ans are		designated representative.	7. Blue EMS pads s
s to	4.	All traffic control plans must be prepared, signed, and sealed by an individual that is licensed as a professional	water line and ev
		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.	8. All water valve
nall	5.	The CONTRACTOR executing the traffic control plan shall notify all affected property owners two (2) weeks	9. All fire hydrants 10. Abandoned wate
ow		prior to any the closures in writing and verbally.	line shall be fille
	6.	Any deviation from an approved traffic control plan must be reviewed by the City Engineer or the designated	in place shall hav
ter		representative. If an approved traffic control plan is not adhered to, the CONTRACTOR will first receive a	11. All fire hydrants
and		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.	to parking space
nce	7.	All temporary traffic control devices shall be removed as soon as practical when they are no longer needed.	12. All joints are to 1 13. Water and sewer
The		When work is suspended for short periods of time at the end of the workday, all temporary traffic control	14. CONTRACTOR
site		devices that are no longer appropriate shall be removed or covered. The first violation of this provision will	15. All domestic and
		result in a verbal warning to the construction foreman. Subsequent violations will result in suspension of all	installed per the
		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.	WASTEWATED I
	8.	Lane closures on any major or minor arterial will not be permitted between the hours of 6:00 am to 9:00 am	WASTEWATER L1.The CONTRAC
all		and 3:30 pm to 7:00 pm. Where lane closures are needed in a school area, they will not be permitted during	2. Wastewater line
on ion		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	and SDR 26 (AS
of		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	PVC – PS 46 (A
		all work at the job site for a minimum of 48 hours. All contractors working on City funded projects will be	will be allowed of 3. Proposed waster
tart		charged one working day for each 24 hour closure of a roadway whether they are working or not.	public works star
		No traffic signs shall be taken down without permission from the City.	4. Green EMS pac
rm in	10.	No street/roadway will be allowed to be fully closed.	wastewater lines
eer	UT	ILITY LINE LOCATES	5. CONTRACTOR are accounted fo
	1.	It is the CONTRACTOR's responsibility to notify utility companies to arrange for utility locates at least 48	6. All abandoned v
not		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	abandoned line s
the ntal		depth and location of existing underground utilities proper to excavating, trenching, or drilling and shall be	7. Existing manhol
11111		required to take any precautionary measures to protect all lines shown and .or any other underground utilities	8. All wastewater prior to final acc
nts,		not on record or not shown on the plans.	to the Engineering
P).		The CONTRACTOR shall be responsible for damages to utilities	pipes. Any sags
ach	3. 4.	CONTRACTOR shall adjust all City of Rockwall utilities to the final grades. All utilities shall be placed underground.	CONTRACTOR
ns.	5.	CONTRACTOR shall be responsible for the protection of all existing main lines and service lines crossed or	$(20^{\text{th}})$ month of the observation of the obs
		exposed by construction operations. Where existing mains or service lines are cut, broken or damaged, the	9. All manholes (put to the measures of
by		CONTRACTOR shall immediately make repairs to or replace the entire service line with same type of original	10. All new or exist
ont		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	coating, ConShie
ent not		timely manner by the CONTRACTOR.	cast-in-place cor
nch	6.	The City of Rockwall (City utilities) is not part of the Dig Tess or Texas one Call $-811$ – line locate system.	manhole as nece 11. All new or exist
all		All City of Rockwall utility line locates are to be scheduled with the City of Rockwall Service Center. 972-	and cover to prev
	7	771-7730. A 48-hour advance notice is required for all non-emergency line locates.	12. If an existing wa
vay	7.	Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:	plan shall be requ
		a. No more than 500 linear feet of trench may be opened at one time.	prior to impleme
all		b. Material used for backfilling trenches shall be properly compacted to 95% standard density in order to	Ordinance. Plan 10 business days
10-		minimize erosion, settlement, and promote stabilization that the geotechnical engineer recommends.	13. CONTRACTOR
-r-01	11	c. Applicable safety regulations shall be complied with. This plan details pipes up to 5 feet from the building. Refer to the building plans for building connections	
rol	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.	
vith	12.	All underground lines shall be installed, inspected, and approved prior to backfilling.	
ent		All concrete encasement shall have a minimum of 28 days compressive strength at 3,000 psi (min. 5.5 sack	
the		mix).	
nall			
ent			
be			
		"RECORD DRA	//NG"

DRAWING HAS BEEN REVISED TO SH
THE CONSTRUCTION PROCESS REPO
TO KIMLEY-HORN AND ASSOCIATES,

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.

TES

TOR shall maintain existing water service at all times during construction.

lines shall be AWWA C900-16 PVC Pipe (blue in color) for all sizes, DR 14 (PC 305) for 2-inch and smaller, and DR 18 (PC 235) for 14-inch and larger water pipelines unless otherwise plan and profiles sheets. Proposed water lines shall be constructed with minimum cover of 4 hrough 8-inch, 5 feet for 12-inch through 18-inch and 6 feet for 20-inch and larger.

line embedment shall be NCTCOG Class 'B-3' as amended by the City of Rockwall's indards of design and construction manual.

R shall coordinate the shutting down of all water lines with the City of Rockwall Engineering Vater Department. The City shall operate all water valves. Allow 5 business days from the allow City personnel time to schedule a shut down. Two additional days are required for the R to notify residents in writing of the shut down after the impacted area has been identified. ns impacting businesses during their normal operation hours is not allowed. CONTRACTOR pordinate with the Rockwall Fire Department regarding any fire watch requirements as well urred when the loss of fire protection to a structure occurs.

R shall furnish and install gaskets on water lines between all dissimilar metals and at valves nd proposed).

ts and valves removed and salvaged shall be returned to the City of Rockwall Municipal

shall be installed at every change in direction, valve, curb stop and service tap on the proposed very 250'.

hardware and valve extensions, bolts, nuts and washers shall be 316 stainless steel.

s bolts, nuts and washers that are buried shall be 316 stainless steel.

ter lines to remain in place shall be cut and plugged and all void spaces within the abandoned ed with grout, flowable fill or an expandable permanent foam product. Valves to be abandoned ave any extensions and the valve box removed and shall be capped in concrete.

s will have a minimum of 5 feet of clearance around the appurtenance including but not limited es and landscaping.

be megalug joints with thrust blocking.

r mains shall be kept 10 feet apart (parallel) or when crossing 2 feet vertical clearance.

shall maintain a minimum of 4 feet of cover on all water lines.

d irrigation services are required to have a testable backflow device with a double check valve City of Rockwall regulations at the property line and shown on plans.

## INE NOTES

CTOR shall maintain existing wastewater service at all times during construction.

for 4-inch through 15-inch shall be Green PVC – SDR 35 (ASTM D3034) [less 10 ft cover] STM D3034) [10 ft or more cover]. For 18-inch and lager wastewater line shall be Green ASTM F679) [less 10 ft cover] and PS 115 (ASTM F679) [10 ft or more cover]. No services on a sanitary sewer line deeper than 10 feet.

water line embedment shall be NCTCOG Class 'H' as amended by the City of Rockwall's indard design and construction manual.

ds shall be installed at every 250', manhole, clean out and service lateral on proposed s.

R shall CCTV all existing wastewater lines that are to be abandoned to ensure that all laterals or and transferred to proposed wastewater lines prior to abandonment.

wastewater and force main lines shall be cut and plugged and all void spaces within the shall be filled with grout, flowable fill or an expandable permanent foam product.

les and cleanouts not specifically called to be relocated shall be adjusted to match final grades. pipes and public services shall be inspected by photographic means (television and DVD) ceptance and after franchise utilities are installed. The CONTRACTOR shall furnish a DVD ing Construction Inspector for review. Pipes shall be cleaned prior to TV inspection of the s, open joints, cracked pipes, etc. shall be repaired or removed by the CONTRACTOR at the R's expense. A television survey will be performed as part of the final testing in the twentieth the maintenance period.

ublic or private) shall be fitted with inflow prevention. The inflow prevention shall conform called out in standard detail R-5031.

ting manholes being modified shall have corrosion protection being Raven Liner 405 epoxy field, or approved equal.. Consheild must have terracotta color dye mixed in the precast and ncrete. Where connections to existing manholes are made the CONTRACTOR shall rehab essary and install a 125 mil thick coating of Raven Liner 405 or approved equal.

ing manholes that are to be placed in pavement shall be fitted with a sealed (gasketed) rim vent inflow.

astewater main or trunk line is called out to be replaced in place a wastewater bypassing pump uired and submitted to the Engineering Construction Inspector and City Engineer for approval entation. Bypass pump shall be fitted with an auto dialer and conform to the City's Noise n shall be to the City sufficiently in advance of scheduled construction to allow no less than s for review and response by the City.

shall maintain a minimum of 4 feet of cover on all wastewater lines.

GENERAL CONST Sheet Octobe	1 of 2
CITY OF RO ENGINEERING I	
385 S. Goliad Rockwall, Texas 75087	P (972) 771-7746 F (972) 771-7748

					S DATE	
					No. REVISIONS	
		13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER,	SUITE 700, DALLAS, TX 75240 PHONE: 972-770-1300 EAX: 972-239-3820	WWW.KIMLEY-HORN.COM TX F-928	© 2024 KIMLEY-HORN AND ASSOCIATES, INC.	
AND OF TENN	I A A A A A A A A A A A A A A A A A A A		CENSES SUCCESS	A A ARABARA	1111 1000 5/17/2024	
KHA PROJECT 068213100	DATE MAY 2024	SCALE AS SHOWN	DESIGNED BY CAL	DRAWN BY CAL	TEXAS CHECKED BY DSA	
	STREAM ROCKWALL - 2				ROCKWALL TEXAS	
	GENERAL NOTES (1	OF 3)				
	SHEET					

## **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 show the plans.
- 2. Proposed concrete pavement shall be constructed with longitudinal butt construction joints at all connect to existing concrete pavement.
- 3. All public concrete pavement to be removed and replaced shall be full panel replacement, 1-inch thicker 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 writ permission from the affected property owner and the City of Rockwall. No excess excavation shall deposited in the City Limits without a permit from the City of Rockwall. If the CONTRACTOR places excavations in these areas without written permission, the CONTRACTOR will be responsible for all dama resulting from such fill and shall remove the material at their own cost.

## PAVING AND GRADING

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

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

- Reinforcing steel shall be tied (100%). Reinforcing steel shall be set on plastic chairs. Bar laps shall minimum 30 diameters. Sawed transverse dummy joints shall be spaced every 15 feet or 1.25 the longitudinal butt joint spacing whichever is less. Sawing shall occur within 5 to 12 hours after the princluding 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.
- Fly ash may be used in concrete pavement locations provided that the maximum cement reduction does exceed 20% by weight per C.Y. of concrete. The fly ash replacement shall be 1.25 lbs. per 1.0 lb. cen 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 life compaction shall be 8 inches. All lifts shall be tested for density by an independent laboratory. All laboration compaction reports shall be submitted to the City Engineering Construction Inspector once results 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 Ci Engineering Inspector immediately upon results.
- 10. All proposed sidewalks shall include barrier free ramps at intersecting streets, alleys, etc. Barrier free ram (truncated dome plate in Colonial or brick red color) shall meet current City and ADA requirements and 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 j material shall be used at these locations.
- 12. All connection of proposed concrete pavement to existing concrete pavement shall include a longitudinal joint as the load transfer device. All longitudinal butt joints shall be clean, straight and smooth (not jagge appearance)
- 13. Cracks formed in concrete pavement shall be repaired or removed by the CONTRACTOR at the Cardiscretion. CONTRACTOR shall replace existing concrete curbs, sidewalk, paving, a gutters as indicated the plans and as necessary to connect to the existing infrastructure, including any damage caused by CONTRACTOR.
- 14. All residential lots will require individual grading plans submitted during the building permit process 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 condition warrant off-site grading. Written permission must be obtained and signed from the affected property owner and temporary construction easements may be required. The written permission shall be provided to the as verification of approval by the adjacent property owner(s). Violation of this requirement will result 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 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 exis drainage inlets or sheet flow per these approved plans.

<ul> <li>unless noted otherwise. Fly ash shall not be allowed in any structural concrete.</li> <li>Proposed storm sewer embedment shall be NCTCOG Class 'B' as amended by the City of Rocky Engineering Department Standards of Design and Construction Manual.</li> <li>All public storm pipe shall be a minimum of 18-inch reinforced concrete pipe (RCP), Class III, u otherwise noted.</li> <li>All storm spenetring structures shall be grouted to assure connection at the structure is waterlight.</li> <li>All storm sever manholes in paved areas shall be flush with the paving grade, and shall have traffic bering and covers.</li> <li>All storm sever piges and laterals shall be inspected by photographic means (television and DVD) prifinal acceptance and after franchise utilities are installed. The CONTRACTOR shall furnish a DVD to Engineering Construction Inspector for review. Pipes shall be cleaned prior to TV inspection of the p Any sags, open joints, cracked pipes, etc. shall be repaired or removed by the CONTRACTOR a CONTRACTOR is expense. A television survey will be performed as part of the final testing in the twee (20<sup>th</sup>) month of the maintenance period.</li> <li>RETAINING WALLS</li> <li>All retaining walls, regardless of height, will be reviewed and approved by the City Engineering Depart 2. All retaining walls (including foundation stem walls), regardless of height. Will be constructed rock/stone/brick or ock/stone/brick faced. No smooth concrete walls are allowed. Wall materials shall b same for all walls on the project.</li> <li>All walls 3 feet and taller will be designed and signed/sealed by a registered professional engineer in the of Texas. The wall design engineer is required to inspect the wall construction and supply a signed/s letter of wall construction compliance to the City of Rockwall along with wall as-builts prior to Engineering acceptance.</li> <li>No walls are allowed in detention easements. A variance to allow retaining walls in a detention easement require</li></ul>	1. 7	<b><u>AINAGE / STORM SEWER NOTES</u></b> The CONTRACTOR shall maintain drainage at all times during construction. Ponding of water in streets
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	<b>Rimdey</b> Horn Sufficient of the tower, sufficient of towe
"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: 8/26/2024 BY: DYLAN ADAME, P.E.	KHA PROJECT 068213100     KHA PROJECT 068213100       DATE 068213100     DATE       DATE MAY 2024     DATE       MAY 2024     DATE       SCALE     AS SHOWN       DESIGNED BY     CAL       DESIGNED BY     CAL       DRAWN BY     CAL       DRAWN BY     CAL       DATE     DATE
	STREAM ROCKWALL - 2 PREPARED FOR WESTCORE BRAVO, LLC ROCKWALL
GENERAL CONSTRUCTION NOTES Sheet 2 of 2 October 2020CITY OF ROCKWALL ENGINEERING DEPARTMENT385 S. GoliadP (972) 771-7746 F (972) 771-7748385 S. Goliad, Texas 75087F (972) 771-7748	GENERAL NOTES (2 OF 3)
	SHEET NUMBER C-003

CITY FILE NO. SP2023-006



ACCORDANCE WITH APPLICABLE REGULATIONS. STORM WATER DISCHARGE AUTHORIZATION POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000. RECEIVING DISCHARGE FROM THE SITE. BY THE TCEQ AND EPA (E.G. NOI).

THE OPERATOR OF ANY MS4 RECEIVING DISCHARGE FROM THE SITE. AND REMOVED FROM THE SITE

PROCESS FOR THE REMOVAL OF THEIR FACILITIES. 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.

STARTING ANY WORK ON THE SITE.

SHOWING ALL ITEMS THAT WILL NEED TO BE DEMOLISHED AND REMOVED. FOUNDATIONS OR WALLS. THAT ARE ALSO TO BE REMOVED.

ANY DISCREPANCIES 2. CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY.

ELEVATION. 4. PROPOSED SPOT ELEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT ARE TO TOP OF FINISHED GRADE. DISCREPANCY.

PAVEMENT SECTION

SUBSEQUENT ADDENDA. CONTRACTOR AT NO ADDITIONAL EXPENSE REQUIREMENTS

GRADE CONTROL POINTS RELATED TO EARTHWORK. THE RECEIVING LANDOWNER'S APPROVAL TO DO SO.

DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES. 17. TEMPORARY CULVERTS MAY BE REQUIRED IN SOME LOCATIONS TO CONVEY RUN-OFF. 18. REFER TO DIMENSION CONTROL PLAN, AND PLAT FOR HORIZONTAL DIMENSIONS.

PLACEMENT 95% COMPACTION MINIMUM FOR ALL AREAS OUTSIDE THE BUILDING PAD.

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. IN THE BUILDING PAD.

FLATWORK ADJACENT TO THE BUILDING JE NONE IS CURRENTLY EXISTING

INFORMATION IN THE FIELD THAT AFFECT THE GRADING PLAN TO THE CIVIL ENGINEER.

PRESERVATION PLAN BY THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING THE WORK.

## EFFECTIVELY CONTROL EROSION AND PREVENT SEDIMENTATION FROM WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL

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

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 VERIEV 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

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 2. RETAINING WALL TYPE OR SYSTEM SHALL BE SELECTED BY THE OWNER. 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

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 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

## 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

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) 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

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 SOL 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

. 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

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 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

## 5 CONTRACTOR SHALL CONTACT THE OWNER TO VERIEV 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

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 . KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE 8. SURFACE PAVEMENT INDICATED MAY OVERLAY OTHER HIDDEN STRUCTURES, SUCH AS ADDITIONAL LAYERS OF PAVEMENT,

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

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

5. PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF . 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 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 10. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL

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 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

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

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 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.

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

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

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

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

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

28.EXISTING TREE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES FOUND 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

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 CC 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, OF 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 PAVE AREAS FOR EVIDENCE OF PONDING AND INADEQUATE SLOPE FOR DRAINAGE. ALL AREAS SHALL ADEQUATELY DRAIN TOWARI INTENDED STRUCTURE TO CONVEY STORMWATER RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER
- AREAS OF POOR DRAINAGE ARE DISCOVERED 35. CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED, IF THE APPROVAL OF THE CIVIL ENGINEER AND ( OBTAINED
- **RETAINING WALLS:** RETAINING WALLS SHOWN ARE FOR SITE GRADING PURPOSES ONLY, AND INCLUDE ONLY LOCATION AND SURFACE SPOT ELEV AT THE TOP AND BOTTOM OF THE WALL.
- 3. RETAINING WALL DESIGN SHALL BE PROVIDED BY OTHERS AND SHALL FIT IN THE WALL ZONE OR LOCATION SHOWN ON THESE STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER WALL SAFETY DEVICES SHALL BE PERFOR 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 ADJA BUILDING FOUNDATIONS, UTILITIES, PROPERTY LINES AND OTHER CONSTRUCTABILITY NOTES 5. RETAINING WALL ENGINEER SHALL CONSULT THESE PLANS, THE GEOTECHNICAL REPORT, AND CITY REQUIREMENTS FOR POT
- CONFLICTS.
- 1. ALL PAVING MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS. THE CITY STANDARD DETAILS AN 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 CONFLICT 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 (C
- 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 DIFFEREN 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 SPECIFICAT
- 5. CONTRACTOR IS RESPONSIBLE FOR ALL PAVING AND PAVING SUBGRADE TESTING AND CERTIFICATION, UNLESS SPECIFIED OT BY OWNER. ALL PAVING AND PAVING SUBGRADE TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTO TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING PAVING AND SUBGRADE. OWNER SH 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 P
- 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 GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PRO BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC
- 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 STAN 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 STANDAR
- SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF THE CURB RAMP, NOT INCLUDING FL 10. ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA AND TAS STANDARDS. FDITION
- 11 ANY COMPONENTS OF THE PROJECT SUBJECT TO RESIDENTIAL USE SHALL ALSO CONFORM TO THE FAIR HOUSING ACT, AND ( 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, CONNECT 13. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PAR SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT 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, AI BE SUPPORTED BY BAR CHAIRS. CONTRACTOR SHALL USE THE MORE STRINGENT OF THE CITY AND GEOTECHNICAL STANDAR
- 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 WOF
- 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 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 PLACEMEN 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, FHA) FXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS ACCESSIBLE PARKING SPACES ACCESSIAISLES AND ACCESS ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWA
- CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE 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 PAV TO VERIEV THAT ADA/TAS SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVIN EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA AND TAS SLOPE COMPLIANCE ISSUES.

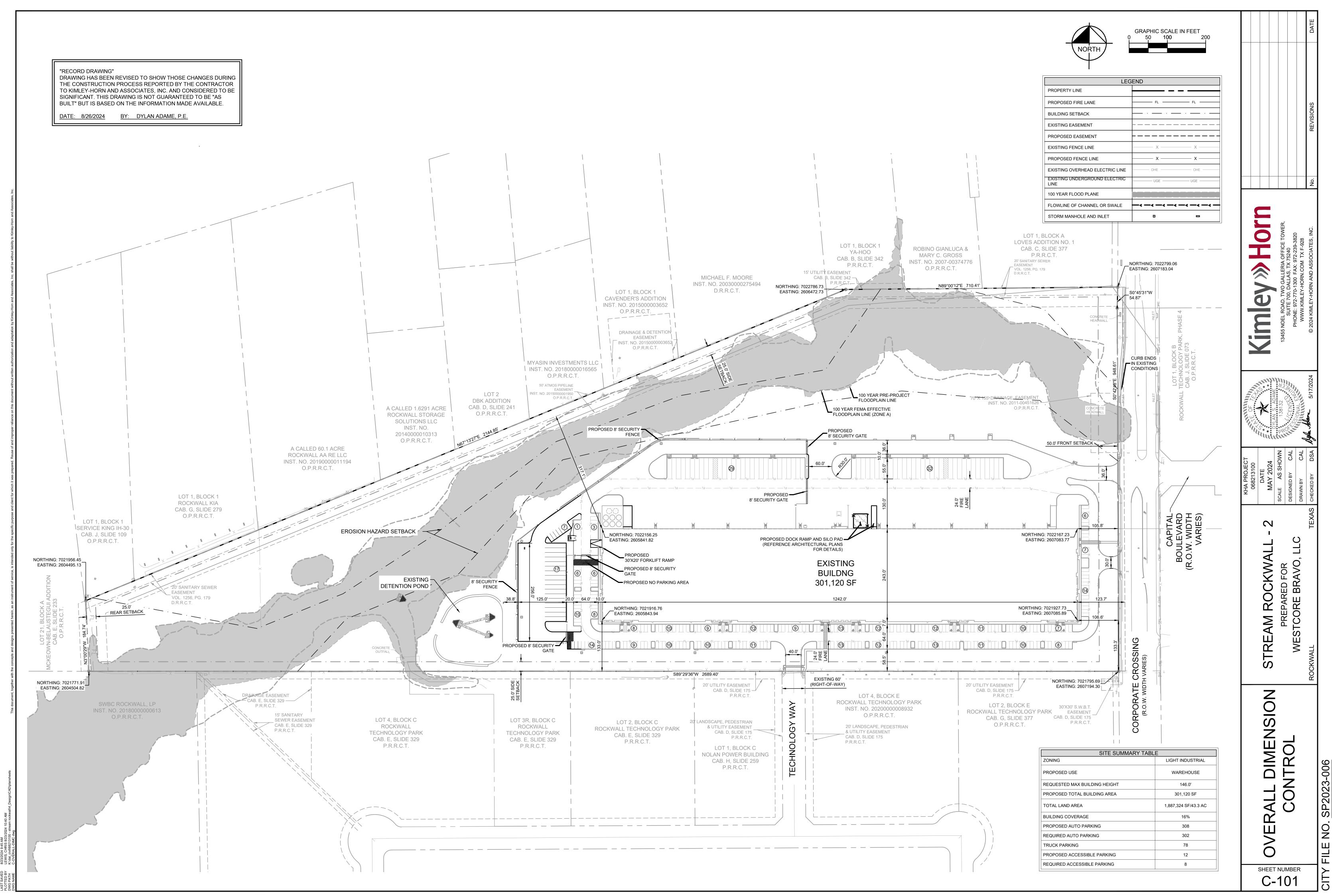
## STORM DRAINAGE

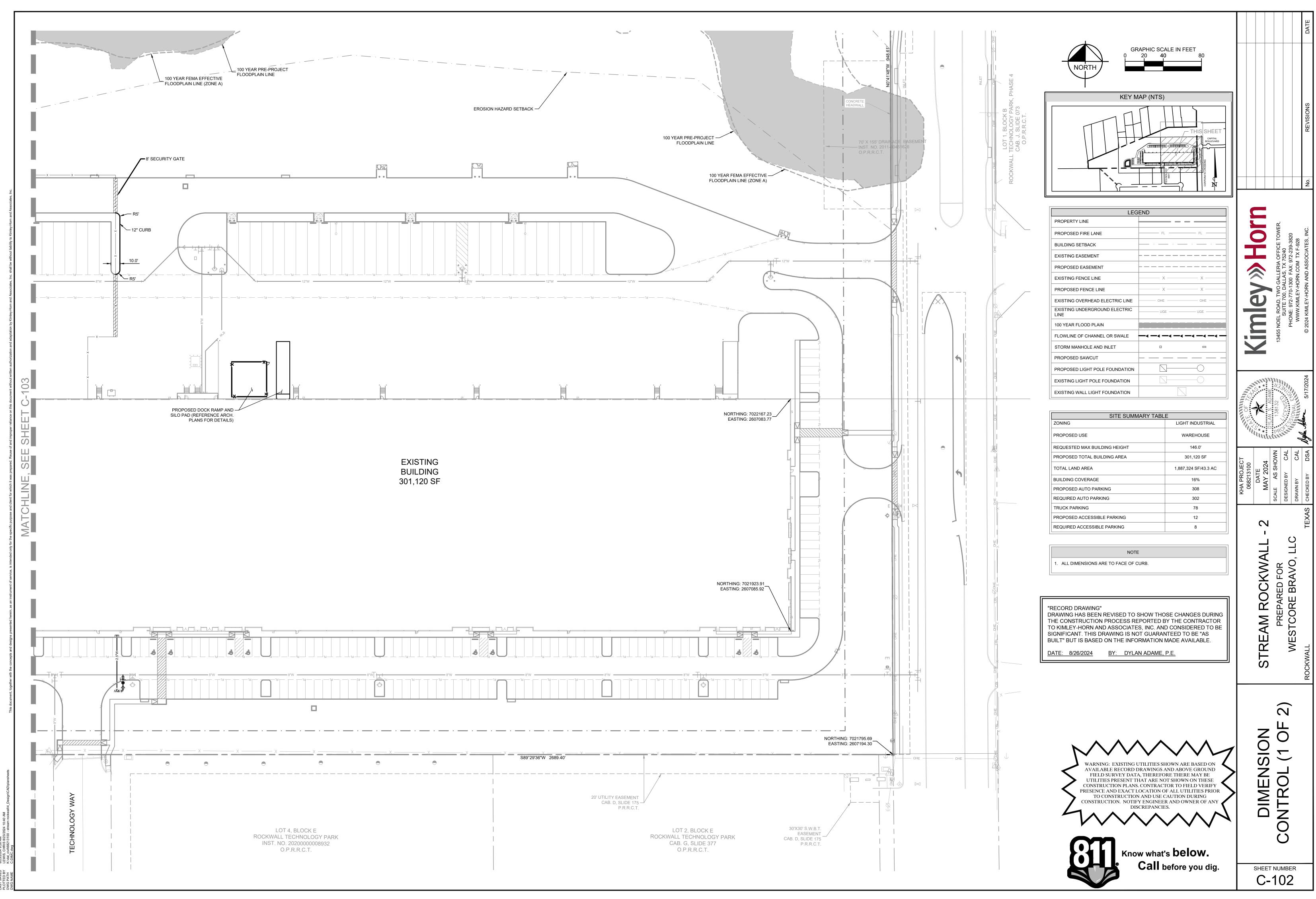
- 1. ALL STORM SEWER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS
- 2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALL THE STORM SEWER 3. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING STOP
- SEWER FACILITIES THAT ARE TO BE CONNECTED TO. PRIOR TO START OF CONSTRUCTION OF ANY STORM SEWER, AND SHALI THE ENGINEER OF ANY CONFLICTS DISCOVER
- 4. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOP 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 GRADIN
- AND FIELD CONDITIONS PRIOR TO THEIR INSTALLATION. 6. ALL PUBLIC STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STAND 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 PLUMBIN 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
- 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 CLASS III RCP OR OTHER APPROVED MATERIAI 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 MATE 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 PROFESSION. ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENC OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.

## 17. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

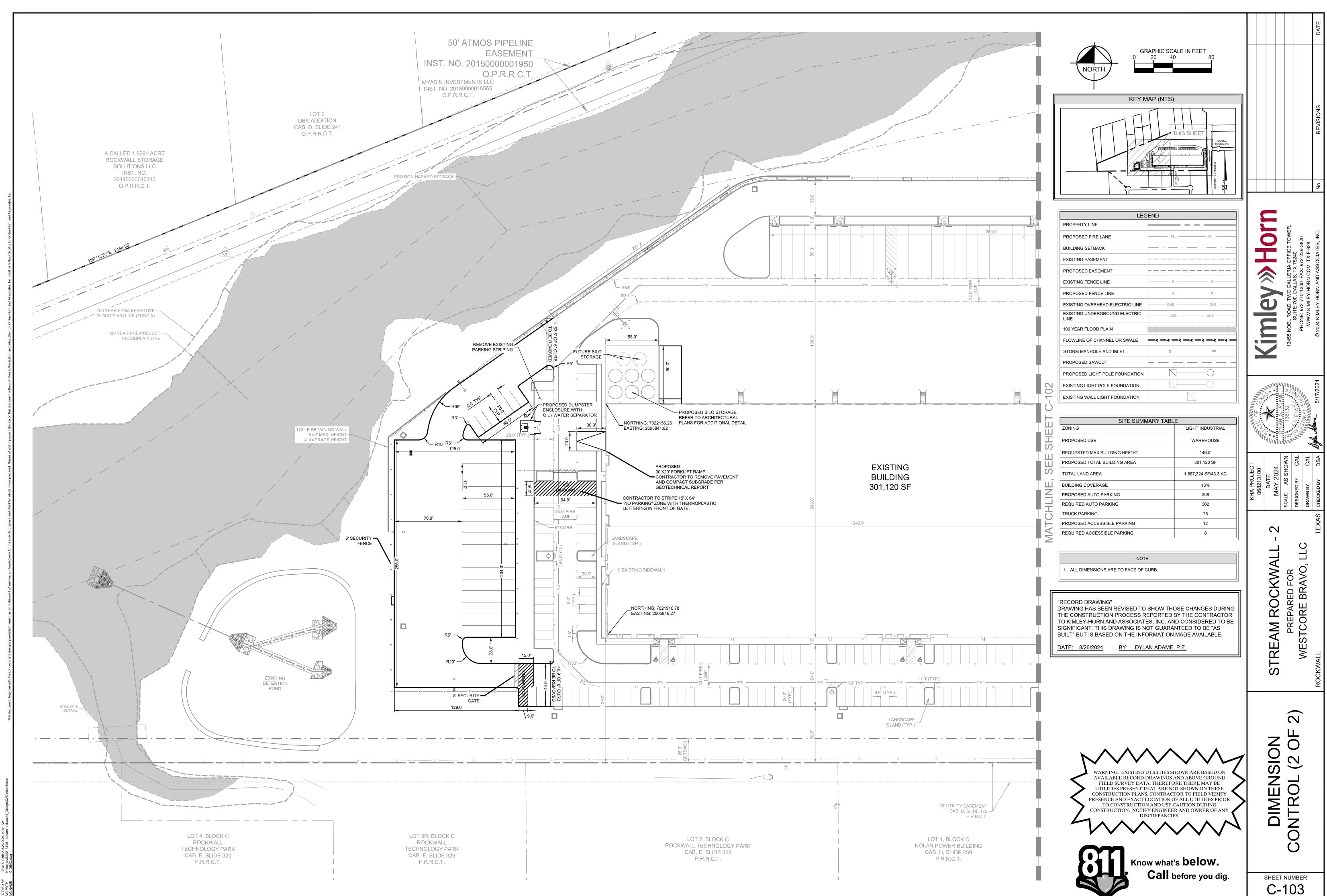
- WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE REMOVED FROM THE SITE AND APPROPRIATELY DISPOSED BY THE 1. ANY PONDS THAT ARE INTENDED TO HOLD WATER INDEFINITELY SHALL BE CONSTRUCTED WATERTIGHT 2. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT
  - POND LINER SPECIFICATIONS 3. A GEOTECHNICAL ENGINEER SHALL REVIEW AND APPROVE ALL POND LINER MATERIAL, PLACEMENT PROCEDURES, AND PROV 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 INSTAL 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 ELIMIN, AT LEAST 20-FEET FROM THE POND SO NO ROUTE FOR WATER TO LEAK THROUGH THE EMBEDMENT MATERIAL IS PROVIDED.
  - 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 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 LC 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 DETAIL SPECIFICATIONS
  - 2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AN WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWA CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED. 3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATI
  - 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 INSTALLA THE WATER AND WASTEWATER IMPROVEMENTS.
  - 6. ALL PUBLIC WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WO 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 APPLICAB 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 1
  - APPLICABLE CODES AND INSPECTIONS REQUIRED. THESE PLANS WERE PREPARED WITHOUT THE BENEFIT OF THE FIRE SPRIN 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 KEE
  - 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 AM 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 SURRO
  - PROPERTIES. 15. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCT 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 CONTR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS
  - 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 PROPOS PAVEMENT

			AT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS RY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.		DATE	]
CONFIRMED	19. ALL FIR THRUST	E HYDRANTS, VALVES, TEES, BENDS, V I BLOCKED TO CITY STANDARDS.	YES, REDUCERS, FITTINGS, AND ENDS SHALL BE MECHANICALLY RESTRAINED AND/OR		DA	
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EVATIONS	b. WASTE REQUIR INSPEC	WATER LINES AND MANHOLES SHALL E ED PROCEDURES AND SHALL ALSO CO TION SHALL BE PERFORMED AND PRO	E PRESSURE TESTED. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR MPLY WITH TCEQ REGULATIONS. AFTER COMPLETION OF THESE TESTS, A TELEVISION /IDED TO THE CITY AND OWNER ON A DVD.		R	
SE PLANS. FORMED BY	MARKEF SHALL (	R DECALS SHALL BE LABELED "CAUTIO COMPLY WITH CITY STANDARDS, AND S	IRING OR MARKING TAPE A MINIMUM OF 12" ABOVE WATER AND WASTEWATER LINES. N - WATER LINE", OR "CAUTION - SEWER LINE". DETECTABLE WIRING AND MARKING TAPE SHALL BE INCLUDED IN THE COST OF THE WATER AND WASTEWATER PIPE. OM CORROSION BY A LOW-DENSITY POLYETHYLENE LINER WRAP THAT IS AT LEAST A		REVISIONS	
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OR LATEST	ENGINE SAFETY	ER IN THE STATE OF TEXAS, TO THE C ' REQUIREMENTS IN ACCORDANCE WIT	TY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH H CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO GHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.		No.	
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RACTOR IS, AND			SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.			
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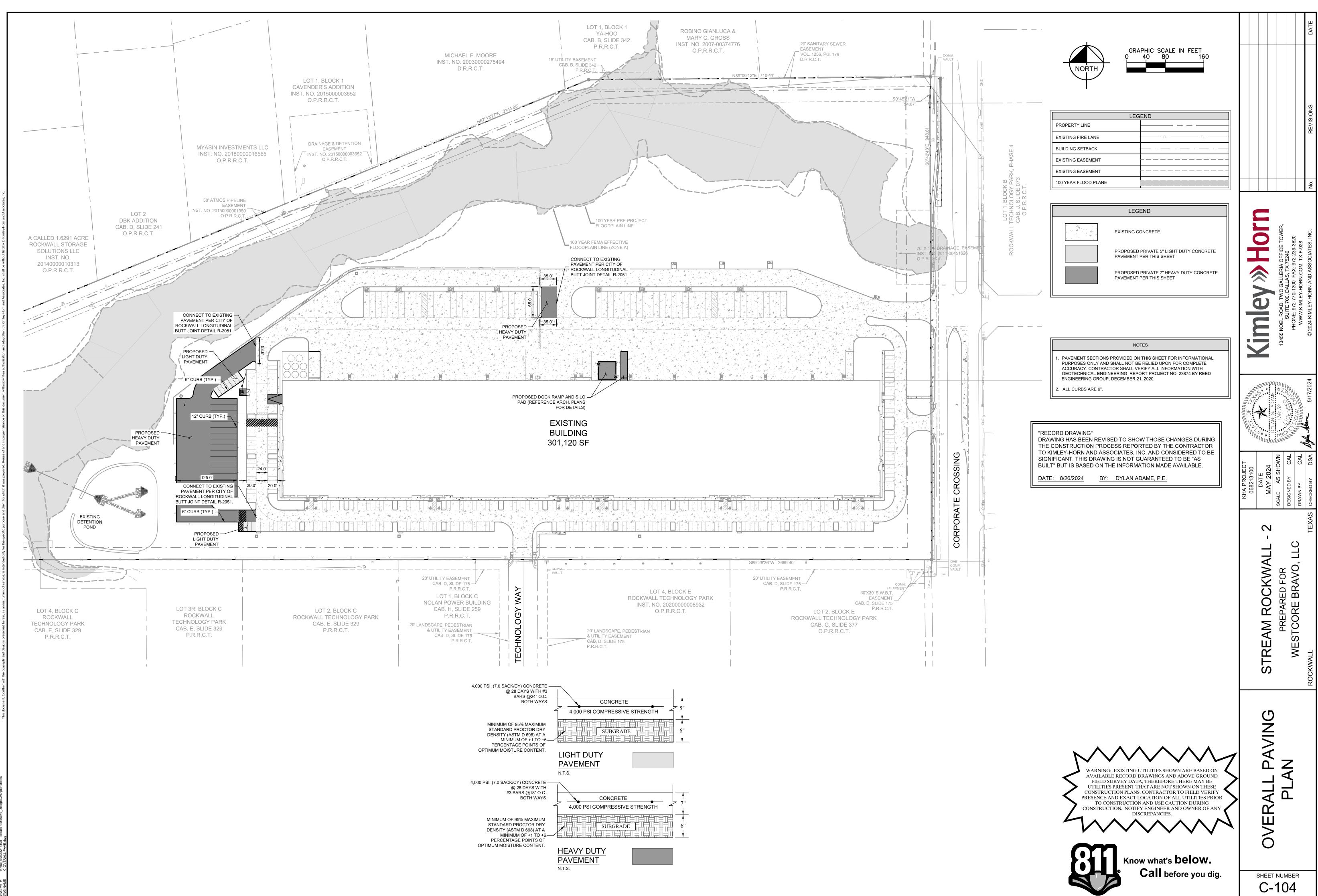




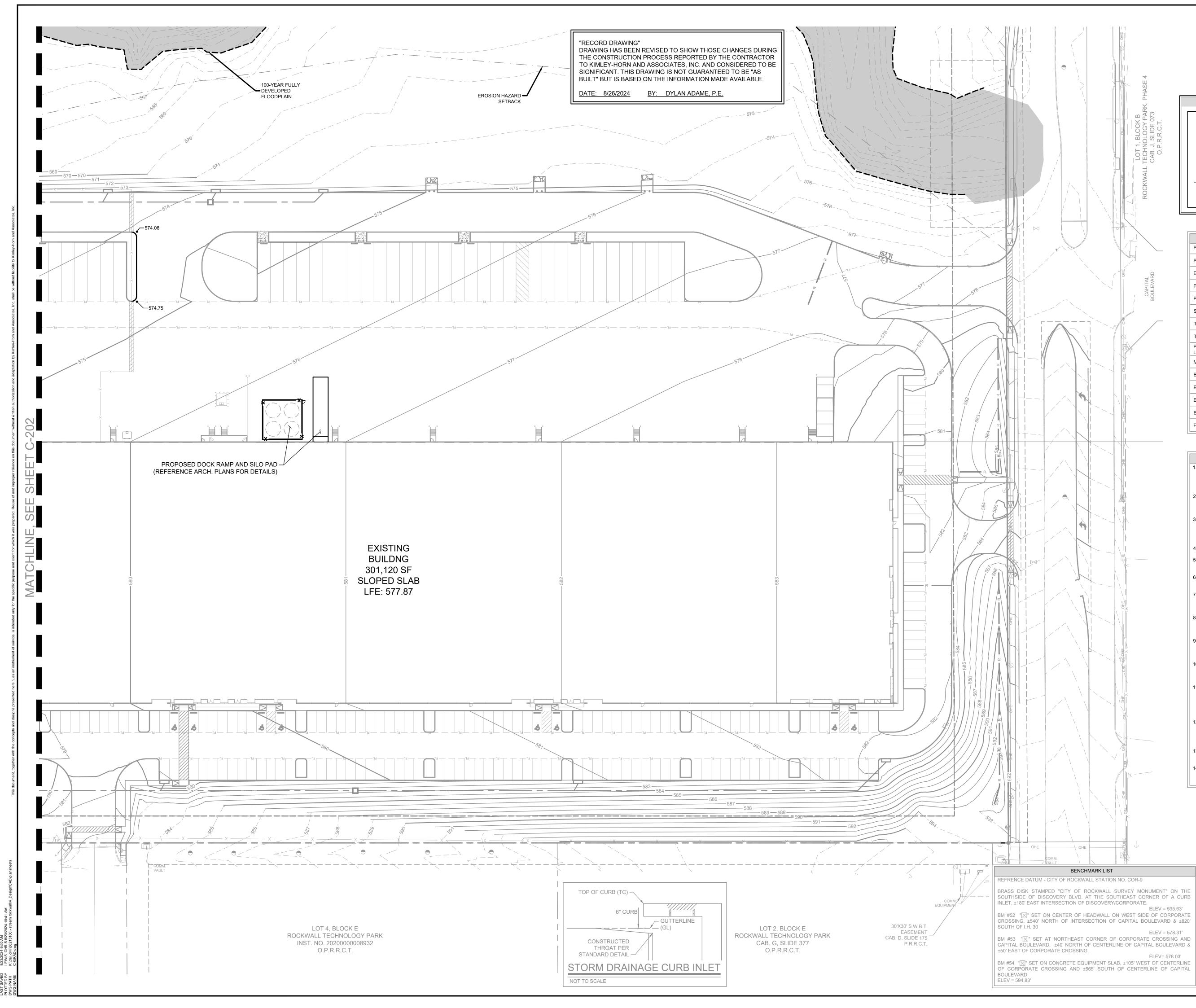
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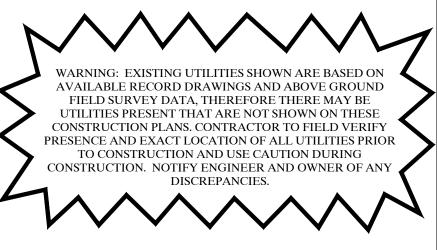


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 540, GL INLET LINE OF INLET •— 540, ME MATCH TO EXISTING ELEVATION •— 540, TG ELEVATION AT TOP OF GRATE ELEVATION AT FINISHED GROUND •— 540, FG •— 540, FF ELEVATION AT FINISHED FLOOR •— 540, FL ELEVATION AT FLOW LINE FLOW DIRECTION OF ROOF NOTES ALL 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. 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.
- 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 WALL IN EASEMENTS.



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

		KHA PROJECT 068213100	T. P. OF TENNA		
<b>BRADING PLAN</b>	STREAM ROCKWALL - 2	DATE MAY 2024		Nimey » Tom	
	DREDARED FOR	SCALE AS SHOWN		13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER,	
		DESIGNED BY CAL	CENSCO NO	SUITE 700, DALLAS, TX 75240 PHONE- 972-770-1300 EAX· 972-239-3820	
		DRAWN BY CAL	U N N NUMBER	WWW.KIMLEY-HORN.COM TX F-928	
	ROCKWALL TE	<b>FEXAS</b> CHECKED BY DSA	1111 100 - 5/17/2024	© 2024 KIMLEY-HORN AND ASSOCIATES, INC.	No. REVISIONS

SP2023-006 NON NON ш 

C

SHEET NUMBER

C-201

ELEV = 595.63'

ELEV = 578.31'

ELEV= 578.03'

PROPERTY LINE

SWALE

PROPOSED CONTOUR

EXISTING CONTOUR

PROPOSED RIDGE LINE

PROPOSED STORM DRAIN PIPE

TOP OF PAVEMENT ELEVATION

PAVEMENT ELEVATION AT GUTTER

TOP OF CURB ELEVATION

GRAPHIC SCALE IN FEET

KEY MAP (NTS)

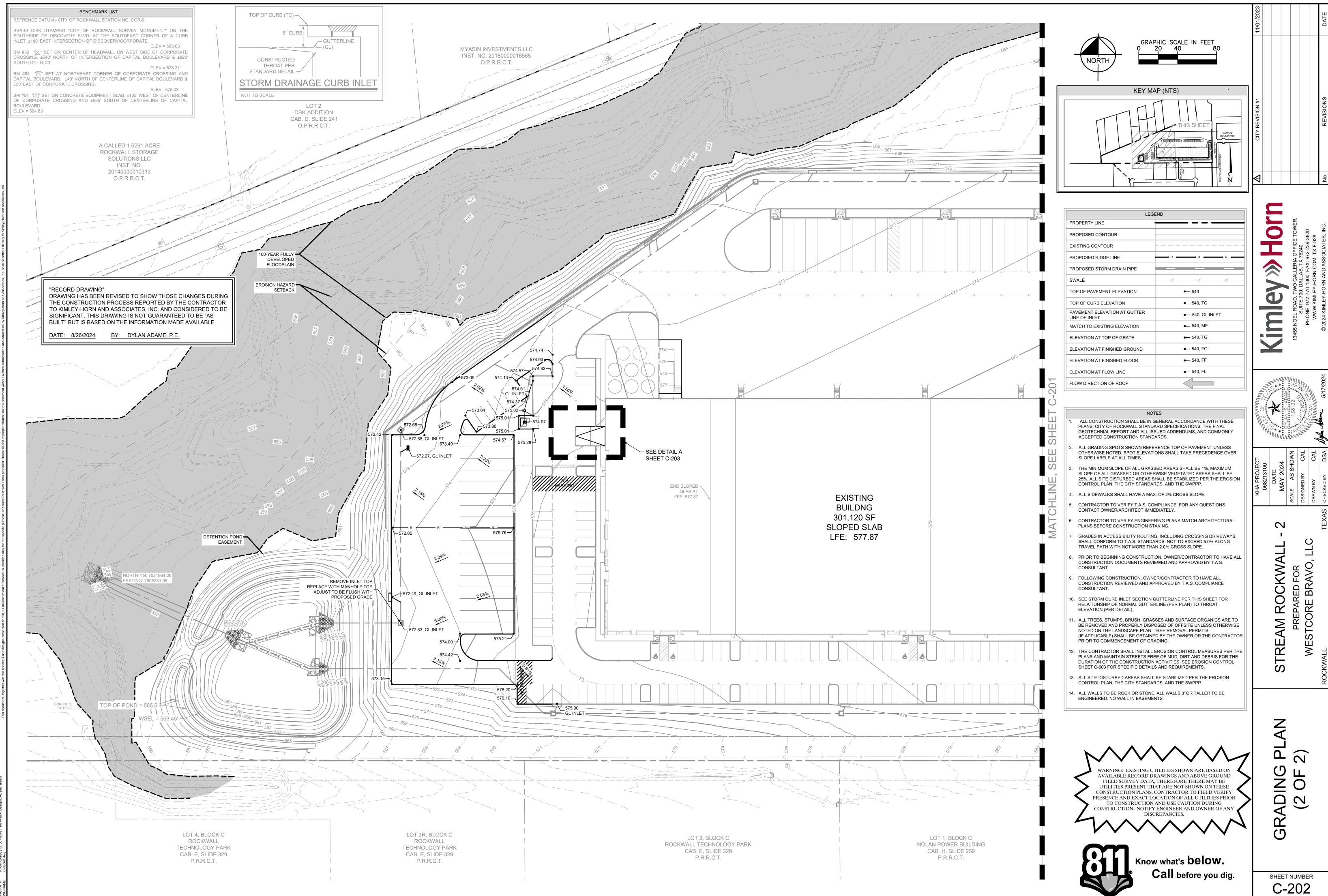
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**●** 540

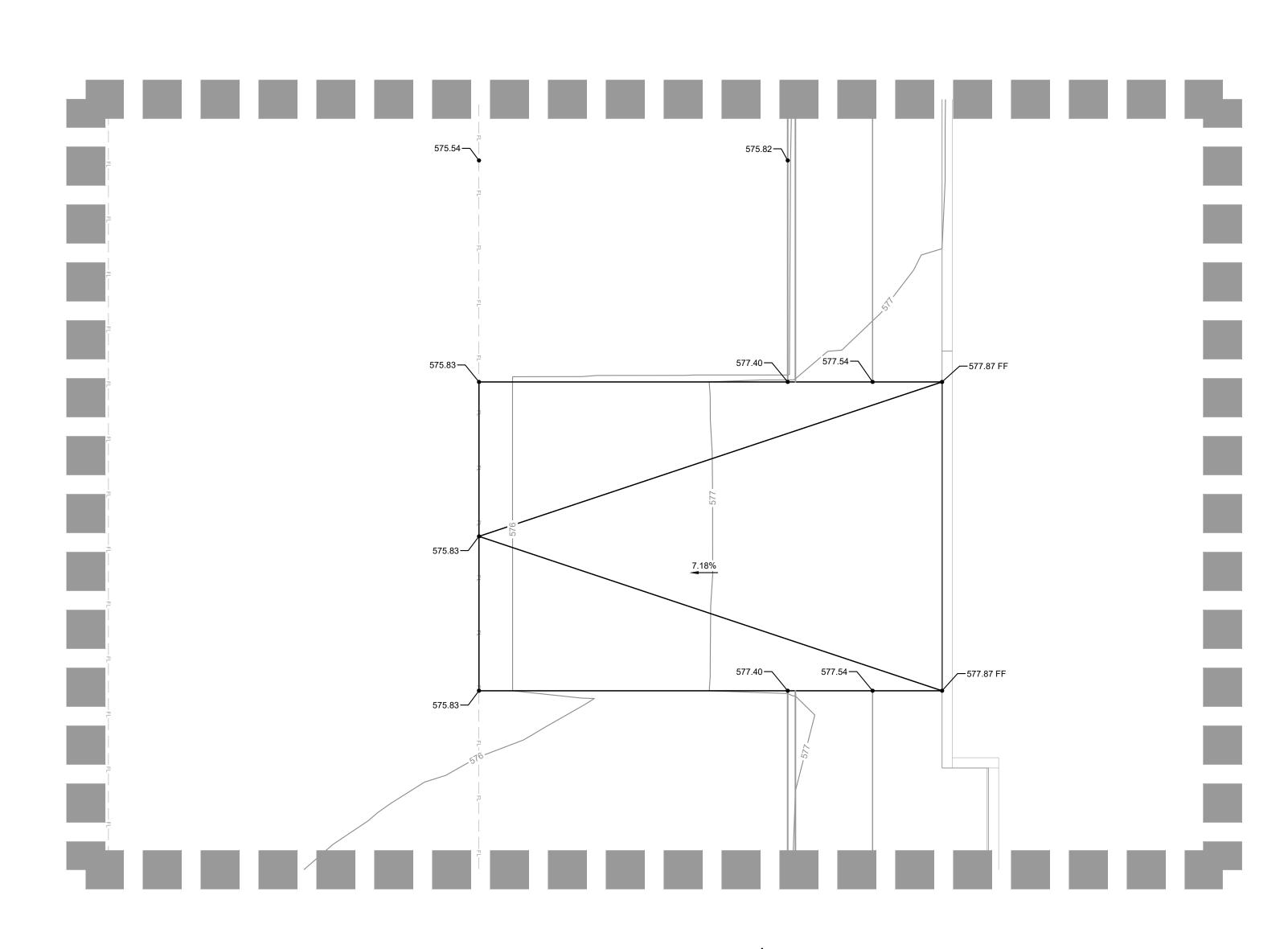
•— 540, TC

LEGEND



P2023-006 ၊ ဟ C Z





DETAIL A

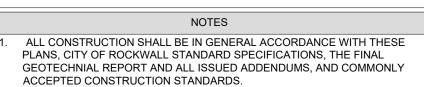
SCALE 1" = 5'

NORTH

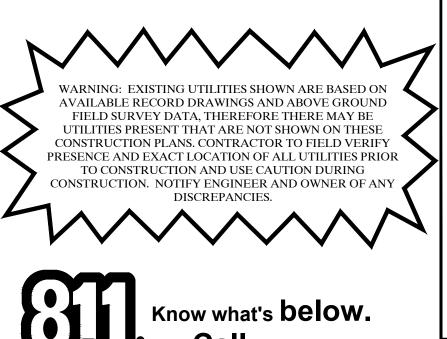
SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE. DATE: 8/26/2024 BY: DYLAN ADAME, P.E

"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

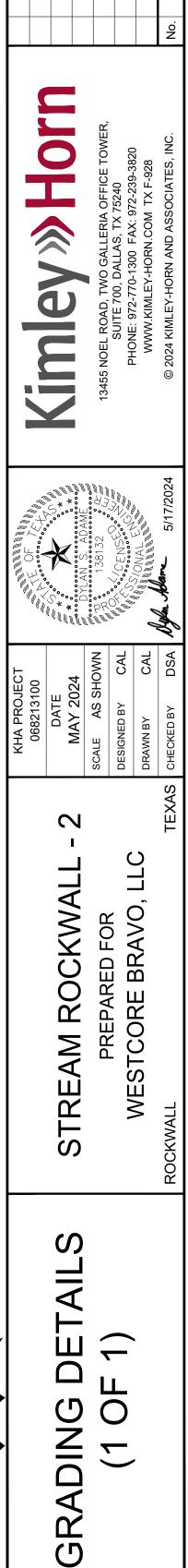
LEC	GEND
PROPERTY LINE	
PROPOSED CONTOUR	
EXISTING CONTOUR	
PROPOSED RIDGE LINE	R R R R
PROPOSED STORM DRAIN PIPE	
SWALE	<<<
TOP OF PAVEMENT ELEVATION	• 540
TOP OF CURB ELEVATION	•— 540, TC
PAVEMENT ELEVATION AT GUTTER LINE OF INLET	•— 540, GL INLET
MATCH TO EXISTING ELEVATION	•— 540, ME
ELEVATION AT 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	



- 2. ALL GRADING SPOTS SHOWN REFERENCE TOP OF PAVEMENT UNLESS OTHERWISE NOTED. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER
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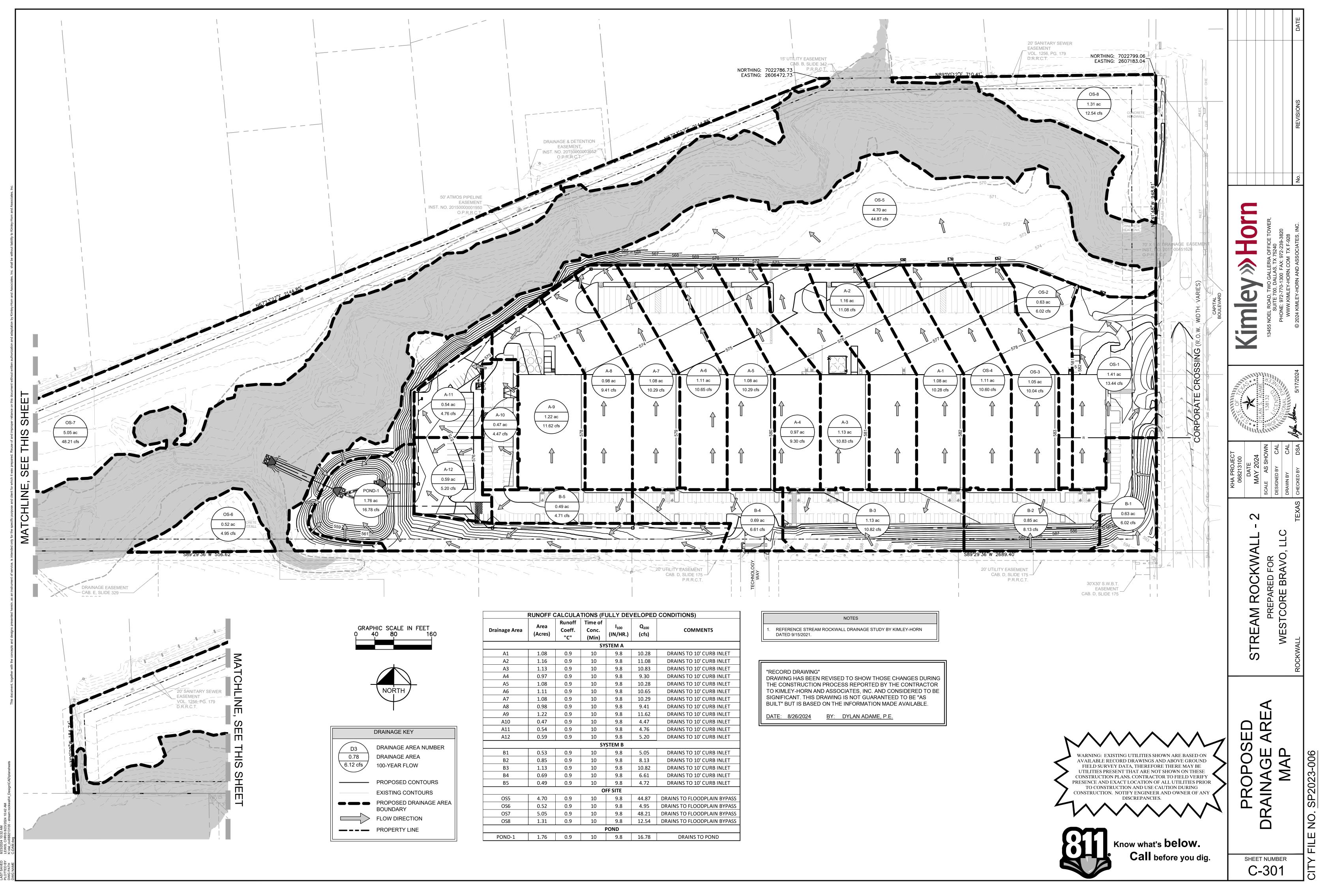
Call before you dig.



SP2023-006 . N N ш FIL | >- $\overline{\Box}$ 

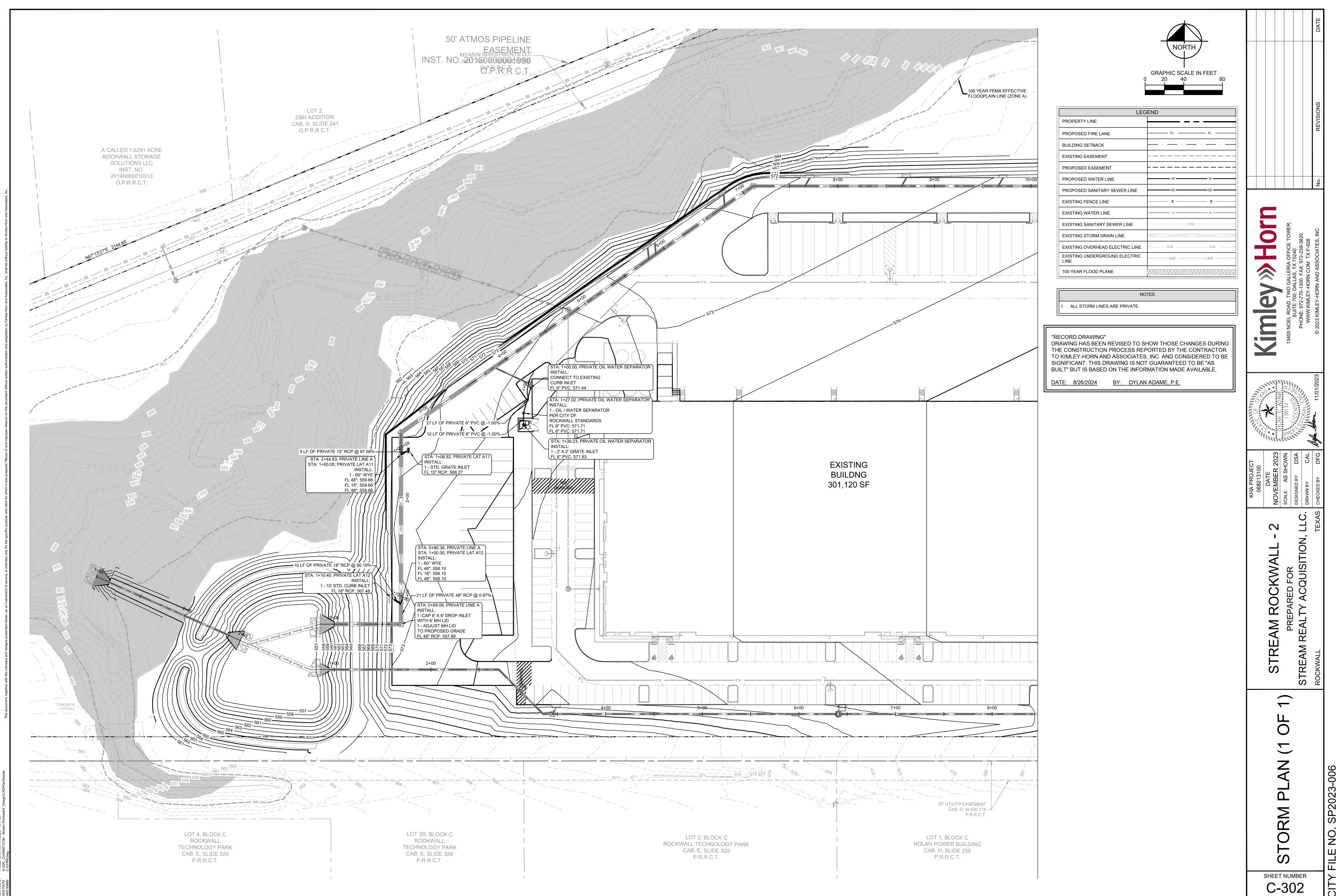
SHEET NUMBER

C-203



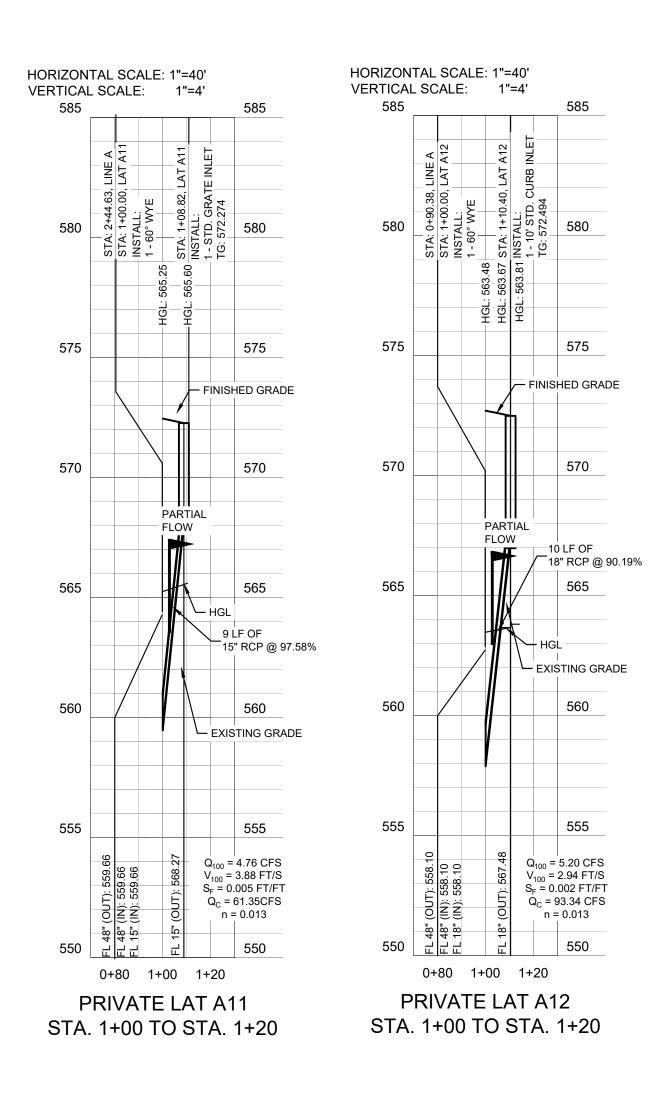
RUNOFF CALCULATIONS (FULLY DEVELOPED CONDITIONS)												
Drainage Area	Area (Acres)	Runoff Coeff. "C"	Time of Conc. (Min)	I <sub>100</sub> (IN/HR.)	Q <sub>100</sub> (cfs)	COMMENTS						
			SY	STEM A								
A1	1.08	0.9	10	9.8	10.28	DRAINS TO 10' CURB INLET						
A2	1.16	0.9	10	9.8	11.08	DRAINS TO 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 4.4			4.47	DRAINS TO 10' CURB INLET							
A11	0.54	0.9	10	9.8	4.76	DRAINS TO 10' CURB INLET						
A12	0.59	0.9	10	9.8	5.20	DRAINS TO 10' CURB INLET						
			SY	STEM 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						
			0	FF SITE		·						
OS5	4.70	0.9	10	9.8	44.87	DRAINS TO FLOODPLAIN BYPA						
OS6	0.52	0.9	10	9.8	4.95	DRAINS TO FLOODPLAIN BYPA						
OS7	5.05	0.9	10	9.8	48.21	DRAINS TO FLOODPLAIN BYPA						
OS8	1.31	0.9	10	9.8	12.54	DRAINS TO FLOODPLAIN BYPA						
				POND								

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



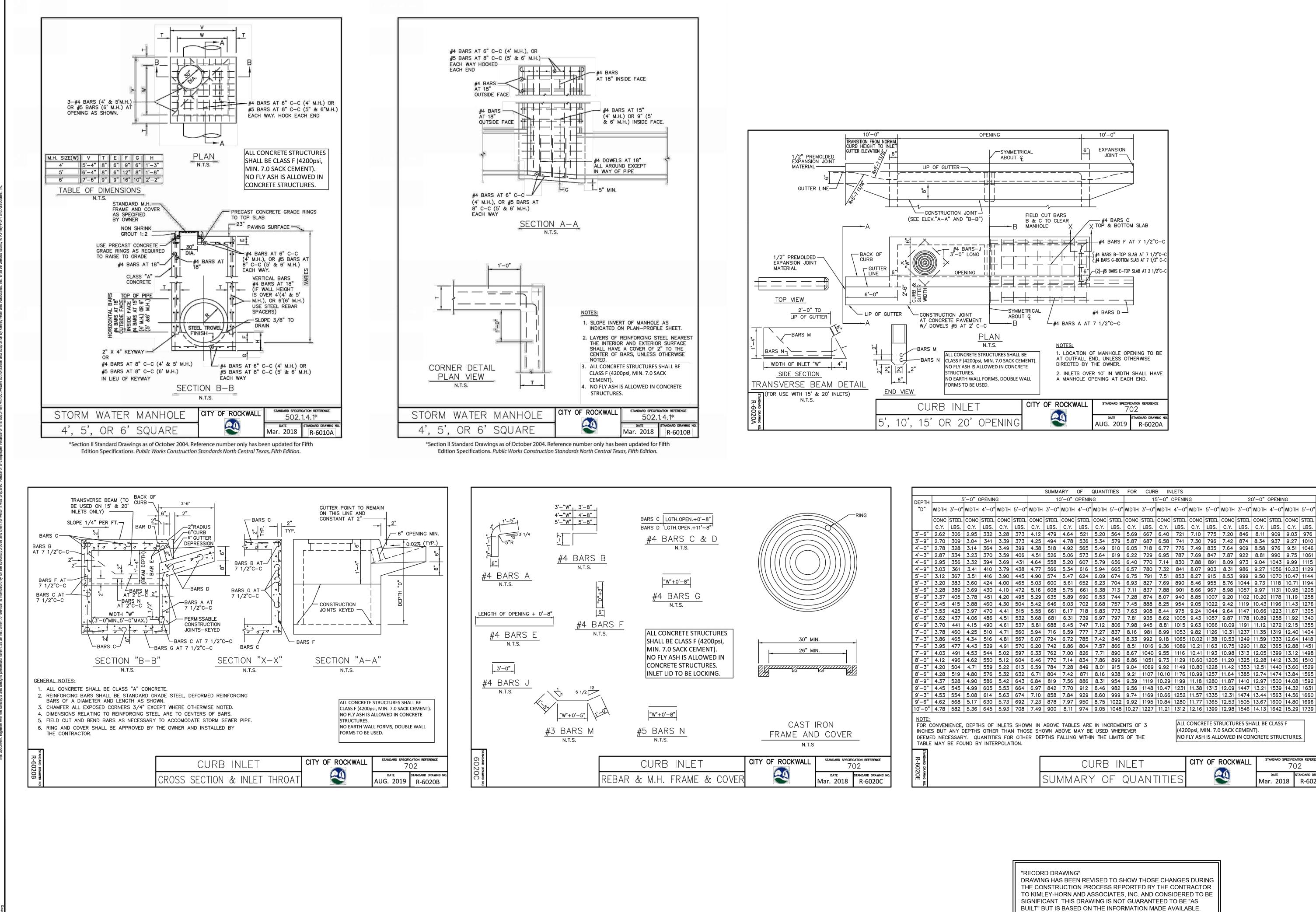
SP2023-006 NO. Ш FIL





			KHA PROJECT	COF TONN.				
,			068213100					
C-	STORM LINE A	STREAM ROCKWALL - 2	DATE NOVEMBER 2023					
		DDEDADED EOD	SCALE AS SHOWN	138132 % L	13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER.			
мве 03	LAIERALS		DESIGNED BY DSA	CENSED OF THE	SUITE 700, DALLAS, TX 75240 PHONF 972-770-1300 FAX 972-239-3820			
			DRAWN BY CAL	A ANDINAL CAR	WWW.KIMLEY-HORN.COM TX F-928			
		ROCKWALL TEXAS	снескер ву DFG	11/1/10/1/2023	© 2023 KIMLEY-HORN AND ASSOCIATES, INC.	No.	REVISIONS	DATE
CITY	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.



DEPTH			3'-0" (	
"D"	WIDTH	3'-0"	WIDTH	4'–
	CONC	STEEL	CONC	STE
	C.Y.	LBS.	C.Y.	LBS
3'-6"	2.62	306	2.95	33
3'-9"	2.70	309	3.04	34
4'-0"	2.78	328	3.14	36
4'-3"	2.87	334	3.23	37
4'-6"	2.95	356	3.32	39
4'-9"	3.03	361	3.41	41
5'-0"	3.12	367	3.51	41
5'–3"	3.20	383	3.60	42
5'-6"	3.28	389	3.69	43
5'-9"	3.37	405	3.78	45
6'-0"	3.45	415	3.88	46
6 <b>'</b> -3"	3.53	425	3.97	47
6'-6"	3.62	437	4.06	48
6 <b>'</b> -9"	3.70	441	4.15	49
7 <b>'</b> -0"	3.78	460	4.25	51
7'–3"	3.86	465	4.34	51
7'-6"	3.95	477	4.43	52
7'-9"	4.03	491	4.53	54
8'-0"	4.12	496	4.62	55
8'-3"	4.20	504	4.71	55
8'-6"	4.28	519	4.80	57
8'-9"	4.37	528	4.90	58
9'-0"	4.45	545	4.99	60
9'-3"	4.53	554	5.08	61
9'-6"	4.62	568	5.17	63
10'-0"	4.78	582	5.36	64

"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: 8/26/2024 BY: DYLAN ADAME, P.E.

CURB INLET	CITY OF ROCKWALL	standard specifi 7	cation reference
SUMMARY OF QUANTITIES		DATE Mar. 2018	standard drawing n R-6020E

EEL	CONC	SIEEL	CONC	SIFFT	CONC	SIEEL	CONC	SIEEL	CONC	SIEEL	CONC	SIFFT	CONC	SIFFT	CONC	SIFF	CONC	SIEEL	CONC	SIEEL
BS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.	C.Y.	LBS.
32	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
41	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
64	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
70	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
94	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
10	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
16	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
24	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
30	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
51	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
60	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
70	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
86	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
90	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
10	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
16	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
29	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
44	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
50	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
59	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
76	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
86	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
05	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
14	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
30	5.73	692	7.23	878	7.97	950	8.75	1022	9.92	1195	10.84	1280	11.77	1365	12.53		13.67	1600	14.80	1696
45	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
OF INLETS SHOWN IN ABOVE TABLES ARE IN INCREMENTS OF 3 THER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER TITLES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TITLES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE																				

15'-0" OPENING

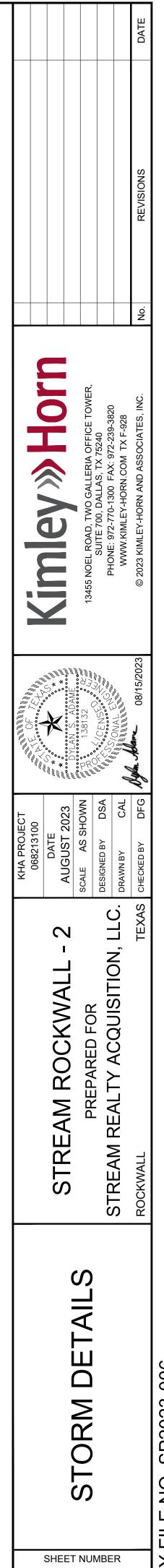
CONC STEEL CONC STEEL

20'-0" OPENING

SUMMARY OF QUANTITIES FOR CURB INLETS

10'-0" OPENING

NING		-	10'-0"	
SYMMETRICAL ABOUT ငူ		6"		
$\Pi$				
<u> </u>			. –	
	<b>/</b>		_	
B &	LD CUT BARS	×	── #4 BARS C 〈TOP & BOTTO	M SLAB
┝┍╴╞═╉╼╤╴╛	<u>ŧ</u> ŧ	₹	— #4 BARS F #	AT 7 1/2"C-C
	<u>+                                    </u>		\$#4 BARS B-TOP S {#4 BARS G-BOTTOM	LAB AT 7 1/2°C-C SLAB AT 7 1/2°C-C
∥        ↓↓ ₩───→────		6"	~(2)-#6 BARS E-TOP	SLAB AT 2 1/2"C-C
	ᆍᆖᅴᆧ		= $=$ $=$	
	- + + - + - + - + - + - + - + - + -			-
		_		
	<u>+ +</u>	+	<u> </u>	1
SYMMETRIC	al /		#4 BARS D	
ABOUT Ç			#+ DANS D	
∟B ¯	$L_{\#4}$ bars a	AT	7 1/2"C-C	
AN				
T.S.	NOTES:			
CTURES SHALL BE		ON O	F MANHOLE OP	ENING TO BE
N. 7.0 SACK CEMENT	AT OUTFAI	LL E	ND, UNLESS OT	
WED IN CONCRETE	DIRECTED	BY -	THE OWNER.	
	2. INLETS	OVE	R 10' IN WIDTH	SHALL HAVE
RMS, DOUBLE WALL	A MANHOL	E OI	PENING AT EAC	H END.
	TY OF ROCKWA	LL	STANDARD SPECIFIC	
			· · · ·	02
PENING				STANDARD DRAWING NO.
			AUG. 2019	R-6020A



C-304

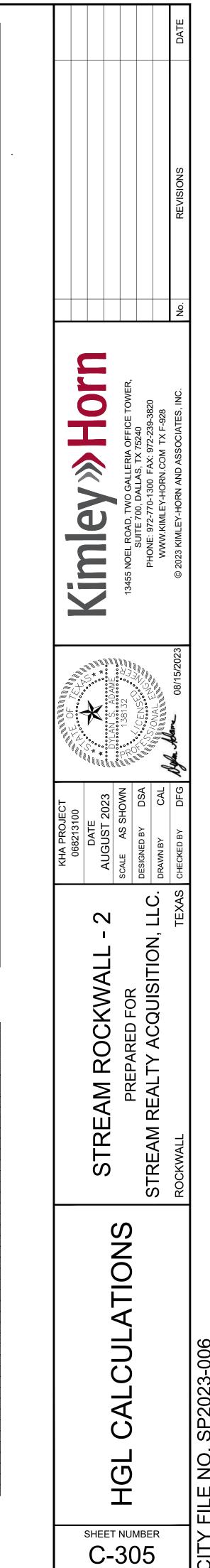
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																	HGL		HEADLOSS CALCULATION	IS	TOP OF	HGL
U/S D/S LENGTH S	F B REL PIPE SIZE SPAN			HYDRAULIC MANNIN UPSTREA DOWNSTREA		AREA C		MENTAL ACCUMULATE	UPSTREAM Tc	DESIGN STORM FREQ.		1 1		PARTIAL VELOCI TIME FLOW TY V CON			U/S D/S	V1^2/2G	V2 <sup>4</sup> 2/2G JCT. TYPE	COEFFICIEN HEADLOS DESIG T Kj S HI HGL	IGN CURB	1
SYSTEM ID (FT)	(INCHE S) (FT)		(SQ FT.)	(FT.) (	T/FT)	(ACRES)			(MIN.)	(YR)	(IN/HR)	(CFS)	(CFS)	(YES/NO) (FT/S) (M	N) (FT/FT)	(FT)		(FT)	(FT)	(FT)		(FT)
(1) (2) (3) (4) (5)	(6) (7)	(8) (9)	(10) (11)	(12) (13) (14) (15) 557.21 558.08	(16) (17)	(18)	(19) (2	20) (21)	(22)	(23)	(24)	(25)	(26)	(27) (28) (2	9) (30)	(31)	(32) (33)	(34)	(35) (36) OUTFALL	(37) (38) (39) 1.00 0.76 563	9) (40) 63.48 570.50	(41) (42)
Image: 1         0+00.00         0+30.00         89.50         1           0+90.38         2+52.39         0	48 N/A			1.000         0.013         0           558.08         559.65         0	.0097 A-12	0.42	0.9 0.	10.12	13.35	100.00	8.66			FULL FLOW 6.97 0.2	21 0.004	{	564.96 564.20	0.71			65.35 572.75	7.40
162.01         1           2+52.39         2+67.38			12.57 12.57	559.65 559.80	.0097 A-11	0.54	0.9 0.	9.74 49	12.96	100.00	8.74				40 0.003	0.71	565.97 565.25	0.65	0.71 60° WYE	0.35 0.48 566	66.45 573.56	7.11
2+67.38         3+85.12           117.74         1			12.57 12.57	559.80 560.94	.0097	0	0.9 0.	9.25	12.92	100.00	8.75			FULL FLOW 6.49 0.0		0.65	566.26 565.60	0.65	0.65 55° JUNCTION BOX	0.46 0.30 566	66.56 573.04	6.48
3+85.12 5+80.41				560.94 562.83	A-10	0.47	0.9 0	9.25	12.61	100.00	8.82			FULL FLOW 6.49 0.3			567.07 566.42	0.61	0.65 60° WYE	0.35 0.44 56	67.51 573.89	6.38
195.29         1           5+80.41         5+89.41				563.33 563.42	.0097 A-9 .0097	1.22	0.9 1.	8.83 10 7.73	12.10	100.00	8.93			FULL FLOW         6.27         0.8           FULL FLOW         5.50         0.0			568.06 567.45	0.47	0.61 60° WYE	0.35 0.45 566	68.51 572.28	3.77
5+89.41         6+76.34           86.93         1			12.57 12.57	563.92 564.76	A-8	0.98	0.9 0.	88 6.85	12.07	100.00	8.93			PARTIAL 4.89 0.1			568.28 567.81	0.37	0.47 60° WYE	0.35 0.34 566	68.62 572.14	3.52
6+76.34 7+12.34 36.00 1	36 N/A			564.76 565.11	A-7	1.08	0.9 0.	97 5.88	11.93	100.00	8.96			FULL FLOW 7.49 0.0			568.44 568.07	0.87	0.37 60° WYE	0.35 0.10 56	68.54 571.92	3.38
7+12.34 7+66.08 53.74 1	36 N/A			565.11 565.63	.0097	0	0.9 0.	00 5.88	11.85	100.00	8.98			FULL FLOW 7.49 0.1			569.45 568.58	0.87	0.87 35° MH	0.33 0.29 569	69.74 571.80	2.06
7+66.08 8+67.07 99.99 1	36 N/A			566.14 567.11	A-6	1.11	0.9 1.	00 4.88	11.74	100.00	9.01			FULL FLOW 6.26 0.2			570.45 569.58	0.61	0.87 60° WYE	0.35 0.66 57	71.11 572.10	0.99
8+66.07 9+66.08 100.01 1	36 N/A			567.11 568.08	A-5	1.08	0.9 0.	97 3.91	11.47	100.00	9.07	35.73		FULL FLOW 5.06 0.3			571.09 570.49	0.40	0.61 60° WYE	0.35 0.47 57	571.56 572.61	1.05
	30 N/A			568.08         569.05           0.625         0.013         0	A-4	0.97	0.9 0.	87 3.03	11.14	100.00	9.15			FULL FLOW 5.70 0.2		0.50	571.39 570.99				71.61 573.11	1.50
10+66.08 11+66.08 100.00 1	24 N/A	2 RCP	3.14 6.28		A-3	1.13		02 2.02	10.85	100.00	9.22	18.73	22.28	FULL FLOW 5.96 0.2	28 0.007	0.55	572.27 571.76				72.58 573.61	1.03
11+66.08 12+62.48 96.40 1	24 N/A	2 RCP	3.14 6.28		A-2	1.16		04 0.97	10.57	100.00	9.29	9.53	22.28	FULL FLOW 3.03 0.5	53 0.002	0.14	573.54 572.99				74.09 574.15	0.06
12+62.48         12+74.50           12+74.50         12.02         1           12+74.50         12         1	18 N/A	1.5 RCP	1.77 4.71	570.96         571.07           0.375         0.013         ()	.0097 A-1	0		00 0.97 97	10.04	100.00	9.43	9.53	10.35	FULL FLOW 5.39 0.0	04 0.008	0.45	573.47 573.33 574.44 573.99				73.64 574.59 75.01 574.69	-0.32
LAT A-12 1+00.00 1+10.40				557.17 557.17		1.00			10.00	100.00	3.00						574.44 573.99	0.00	CONNECT TO LINE A		.48 570.50	
10.40 1 1+10.40	18 N/A	1.5 RCP	1.77 4.71		.7897 A-12	0.59	0.9 0.	0.53	10.00		9.80	5.20	93.34	FULL FLOW 2.94 0.0	06 0.002	0.13	563.81 563.67	0.00			63.98 573.47	9.49
LAT A-11 1+00.00 1+10.40				557.17 557.17					10.04	100.00							565.25		CONNECT TO LINE A	565.:	.25 573.56	
10.40 1 1+10.40	15 N/A	1.25 RCP	1.23 3.93	0.313 0.013 556.80	.9019 A-11	0.54	0.9 0.	0.49 49	10.00		9.80	4.76	61.35	FULL FLOW 3.88 0.0	0.005		565.84 565.60	0.00	0.23 10' CURB INLET	1.25 0.29 566	66.13 573.47	7.34
LAT A-10 1+00.00 1+39.79 1	18 N/A	1.5 RCP	1.77 4.71	561.82         560.57           0.375         0.013	.2323 A-10			0.42	10.28	100.00		4.15	50.63	FULL FLOW 2.35 0.2	28 0.002	0.09	566.42		CONNECT TO LINE A	566.4	.42 573.89	
1+39.79				571.44		0.47	0.9 0.	42	10.00		9.80						566.67 566.59	0.00	0.09 10' CURB INLET	1.25 0.11 560	66.78 574.94	8.16
LAT A-9 1+00.00 1+11.55 11.55 1	18 N/A	1.5 RCP	1.77 4.71	564.04         562.79           0.375         0.013         0	.3959 A-9			1.10	10.03	100.00		10.76	66.09	FULL FLOW 6.09 0.0	0.010		567.81		CONNECT TO LINE A		.81 572.14	
1+11.55				568.77		1.22	0.9 1.	10	10.00		9.80						569.23 568.65	0.00	0.58 10' CURB INLET		69.95 572.16	2.21
LAT A-8 1+00.00 1+11.55 1 11.55 1 1+11.55	18 N/A	1.5 RCP	1.77 4.71	564.40         563.40           0.375         0.013         568.89	.3659 A-8	0.98	0.9 0.	0.88	10.04	100.00	0.00	8.64	63.54	FULL FLOW 4.89 0.0	0.007	0.37	568.73 568.35	0.00	0.37 10' CURB INLET		.81 572.10	
LAT A-7 1+00.00 1+11.55				565.64 564.89		0.98	0.9 0.	88	10.00	100.00	9.80						568.07	0.00	CONNECT TO LINE A		.07 572.10	2.96
11.55 1 1+11.55	18 N/A	1.5 RCP	1.77 4.71		.2367 A-7	1.08	0.9 0.	0.97	10.04		9.80	9.53	51.10	FULL FLOW 5.39 0.0	0.008		569.18 568.73	0.00	0.45 10' CURB INLET		69.74 571.75	2.01
LAT A-6 1+00.00 1+09.81				566.66 565.91					10.03	100.00							569.58		CONNECT TO LINE A		.58 573.11	
9.81 1	18 N/A	1.5 RCP	1.77 4.71	0.375 0.013 0 569.24	.2205 A-6	1.11	0.9 1.	1.00	10.00		9.80	9.79	49.32	FULL FLOW 5.54 0.0	0.009	0.48	570.74 570.26	0.00	0.48 10' CURB INLET	1.25 0.60 57	571.33 572.05	0.72
LAT A-5 1+00.00 1+09.82				568.05 567.55					10.03	100.00							570.49		CONNECT TO LINE A	570.4	.49 572.14	
9.82 1	18 N/A		1.77 4.71	0.375 0.013 569.87	.1472 A-5	1.08	0.9 0.	97	10.00		9.80	9.53	40.30	FULL FLOW 5.39 0.0	0.008	0.45	571.58 571.13	0.00	0.45 10' CURB INLET	1.25 0.56 57	72.15 572.55	0.40
LAT A-4 1+00.00 1+09.82 9.82 1	18 N/A	1.5 RCP	1.77 4.71	569.19         568.69           0.375         0.013         0	.0995 A-4		·····	0.87	10.03	100.00		8.56	33.13	FULL FLOW 4.84 0.0	0.007	0.36	570.99		CONNECT TO LINE A	570.9	.99 572.10	
1+09.82				570.50		0.97	0.9 0.	87	10.00		9.80		-				571.88 571.51	0.00		1.25 0.45 572		0.72
LAT A-3         1+00.00         1+09.82         9.82         1	18 N/A	1.5 RCP	1.77 4.71		.0518 A-3			1.02	10.01	100.00		9.97	23.91	PARTIAL 5.64 0.0	0.009	0.49	571.76		CONNECT TO LINE A		.76 572.14	
1+09.82				571.13		1.13	0.9 1.	.02	10.00		9.80						572.96 572.47	0.00			73.58 573.55	-0.03
LAT A-2 1+00.00 1+09.82 9.82 1 1+09.82	18 N/A	1.5 RCP	1.77 4.71	571.72         574.47           0.375         0.013         572.03	.0041 A-2	1.16	0.9 1.	1.04	10.04	100.00	9.80	10.23	6.73	PARTIAL 5.79 0.0	0.009		572.99 574.26 573.73	0.00	0.52 10' CURB INLET		.99 571.80 	-0.36
																						0.00
						FOF	R R F	FER	FN(	CFC	)N											
																1						
COLLECTION POINT STATION # OF	_						L DRAINAGE AREA						CONDUIT			FRICTION	HGL		HEADLOSS CALCULATIO		TOP OF	HGL DEPTH
U/S D/S LENGTH S	EL PIPE		PERI	MET HYDRAULI MANNING' UPSTREA DOWNSTREA	SLOPE INLET ID	AREA	COEFFICIENT INCRE	EMENTAL ACCUMULATE	UPSTREAM Tc	DESIGN STORM	INTENSITY		CAPACITY		ME IN FRICTIC NDUIT SLOPE	N HEADLOS	U/S D/S	V1^2/2G	6 V2^2/2G JCT. TYPE	COEFFICIEN HEADLOS DESI T Kj S HI HG	SIGN CURB	BELOW REMAR
SYSTEM ID (FT)	(INCHES) (FT)	) (FT)	(SQ FT.)	(FT.)	(FT/FT)	(ACRES) (18)			(MIN.)	(YR)	(IN/HR)	(CFS) (25)	(CFS) (26)		MIN) (FT/FT	) (FT)		(FT)	(FT)	(FT)		(FT)
(1) (2) (3) (4) (5)	(6) (7)	(8) (9)	(10) (11		(16) (17)	(18)	(19)	(20) (21)	(22)	(23)	(24)	(25)	(26)	(27) (28)	(29) (30)	(31)	(32) (33)			(37) (38) (39		(41) (42)
LINE B-1 0+94.08 2+70.25 176.17 1 2+70.25 3+35.30	30 N/A	2.5 RCF	2 4.91 7.8	5         0.625         0.013         560.46           5         560.46         561.68	0.0188	0.00	0.90	3.32	13.51 13.01	100	8.73	29.14	56.24	FULL FLOW 5.94	0.49 0.005	0.55	563.48 565.26 564.71		0.55 45 DEGREE BEND		3.48 570.42 5.60 575.73	10.13
2170.23         3133.30           65.05         1           3+35.30         3+44.89	30 N/A		2 4.91 7.8	5 0.625 0.013 561.68 561.87	0.0188	0.00		3.32 0.00	12.83	100	8.77	29.14			0.18 0.005		565.68 565.14		0.55 45 DEGREE BEND		5.78 574.83	
9.59 1 3+44.89 6+40.89			4.91 7.8	561.87 565.33	0.0188 B-5	0.49		3.32 0.44	12.80	100	8.78				0.03 0.005		566.08 565.53				6.42 574.82	
296.00         1           6+40.89         9+59.89           310.00         1		· · · ·		5 0.625 0.013 565.83 569.56	0.0117 B-4	0.69	0.90	2.88 0.62	12.27	100	8.89		44.37		0.53 0.004		567.33 566.91	0.65	0.42 60° MH	0.48 0.23 567.	7.57 577.66	10.09
9+59.89         13+43.89           384.00         1				8         0.500         0.013           569.56         574.05           8         0.500         0.013	0.0117 B-3 0.0117	1.13	0.90	2.26 1.02 1.24	11.66	100	9.03		24.47		0.61 0.008		570.70 570.04	0.21	0.65 60° MH	0.48 0.55 571.	1.25 580.49	9.24
13+43.89 16+07.14				574.53 577.61	0.0117 B-2 0.0117	0.85	0.90	0.77 0.48	10.83	100	9.22			PARTIAL 2.65			571.38 571.18			0.48 0.15 571.		
16+07.14         16+44.62           37.48         1				577.61         578.05           1         0.375         0.013	0.0117	0.00		0.00 0.48	10.10	100	9.41	4.67			0.10 0.002		571.90 571.79				2.00 584.80	
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.	2.18 581.54	9.36
LAT B-5 1+00.00 1+07.51	10 1/4	1.5 005		562.36 571.92	1 2736			0.05	10.00	100		6.25	110 54	PARTIAL 3.59	0.00 0.004	0.00	566.08		CONNECT TO LINE B	566.	6.08	
7.51         1           1+07.51         1	18 N/A	1.5 RCF	2 1.77 4.7	1 0.375 0.013 571.92	1.2736 B-5	0.72	0.90	0.65	10.00		9.80	6.35	118.54	PARTIAL 3.59 0	0.00 0.004	0.20	566.55 566.35	0.00	0.20 10' CURB INLET	1.25 0.25 56	566.81 575.90	9.09
LAT B-4 1+00.00 1+07.51 7.51 1	18 N/A	1.5 RCF	P 1.77 4 7	565.82         573.99           1         0.375         0.013	1.0873			0.74	10.00	100		7.23	109.53	PARTIAL 4.09	0.00	0.26	567.33		CONNECT TO LINE B	567.		
1+07.51				573.99	B-4	0.82	0.90	0.74	10.00		9.80						567.95 567.69				568.28 577.59	9.31
LAT B-3 1+00.00 1+07.51 7.51 1	18 N/A	1.5 RCF	2 1.77 4.7	569.79         575.50           1         0.375         0.013	0.7608			1.02	10.00	100		9.97	91.62	PARTIAL 5.64	0.00 0.009	0.49	570.70			570.		
LAT B-2 1+00.00 1+07.51				575.50	B-3	1.13	0.90	1.02	10.00		9.80						571.87 571.38				572.49 578.96	6.47
LAT B-2 1+00.00 1+07.51 7.51 1 1+07.51	18 N/A	1.5 RCF	2 1.77 4.7	574.28         578.09           1         0.375         0.013           578.09         578.09	0.5078 B-2	0.85	0.90	0.77	10.00	100	9.80	7.50	74.85	PARTIAL 4.24	0.00 0.005	0.28	571.38 572.05 571.77		0.28 10' CURB INLET	1.25 0.35 57		8 /6
				278.09	B-2	0.00	0.30				3.00						072.00 071.77	0.00			000.00	
																				"RECORD DRAWING" DRAWING HAS BEEN REVISED THE CONSTRUCTION PROCES		

XTtlb 8/11/ K:\D/ ES =S -SAVED - SAVED PATH PATH

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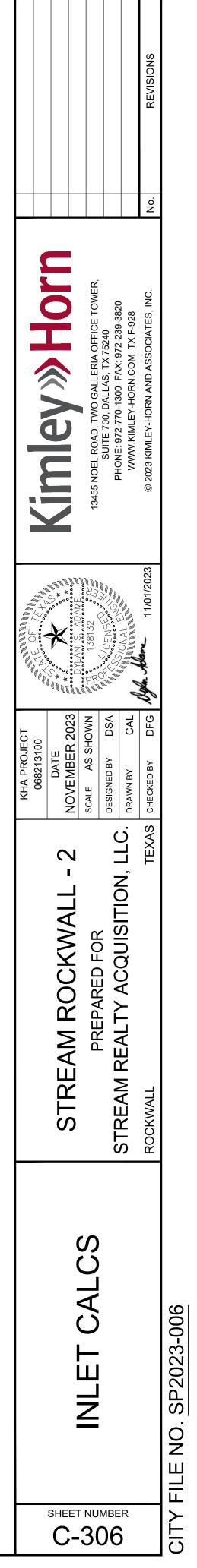
FILE NO. SP2023-006 CITY

TRECORD 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: 8/26/2024 BY: DYLAN ADAME, P.E.

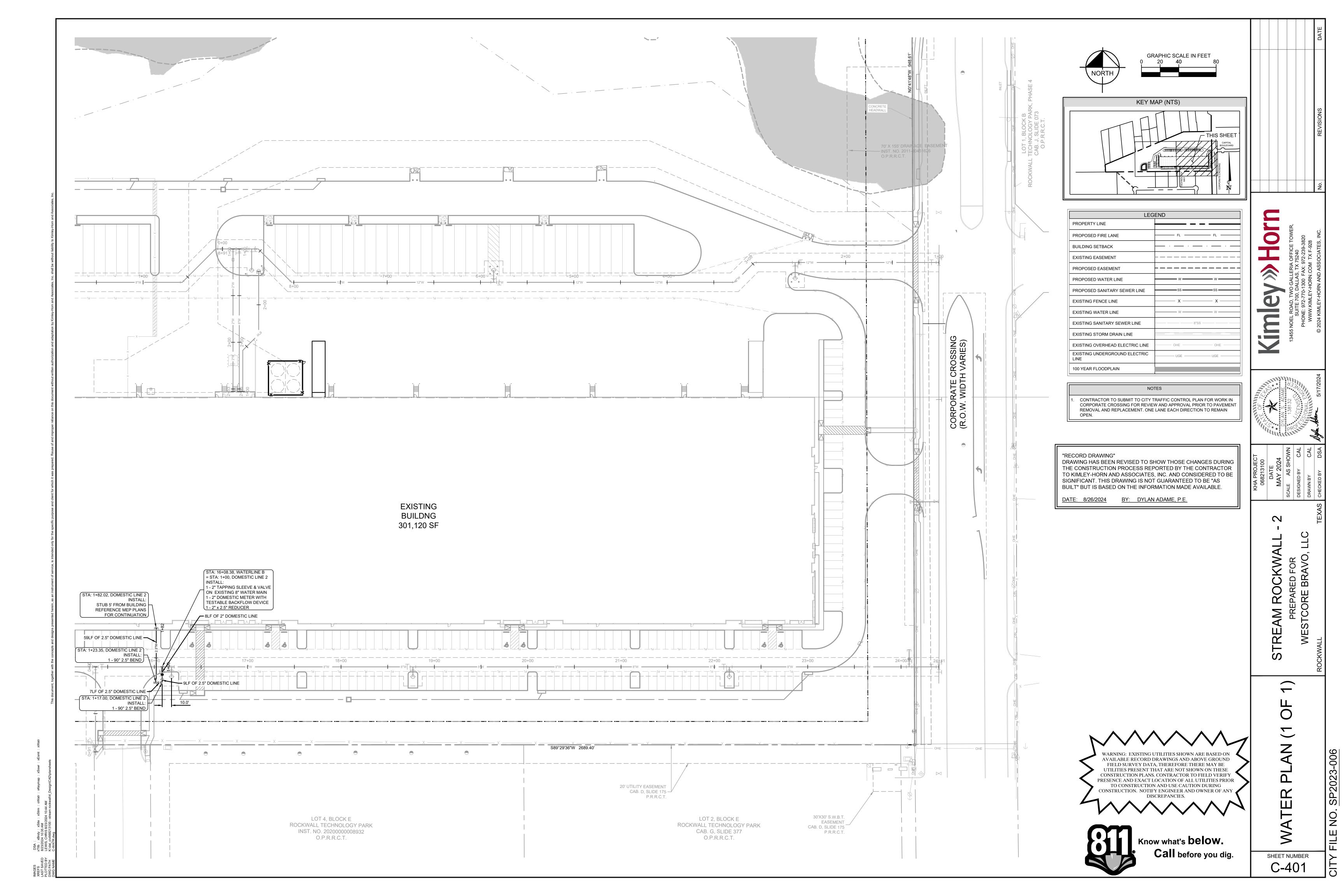
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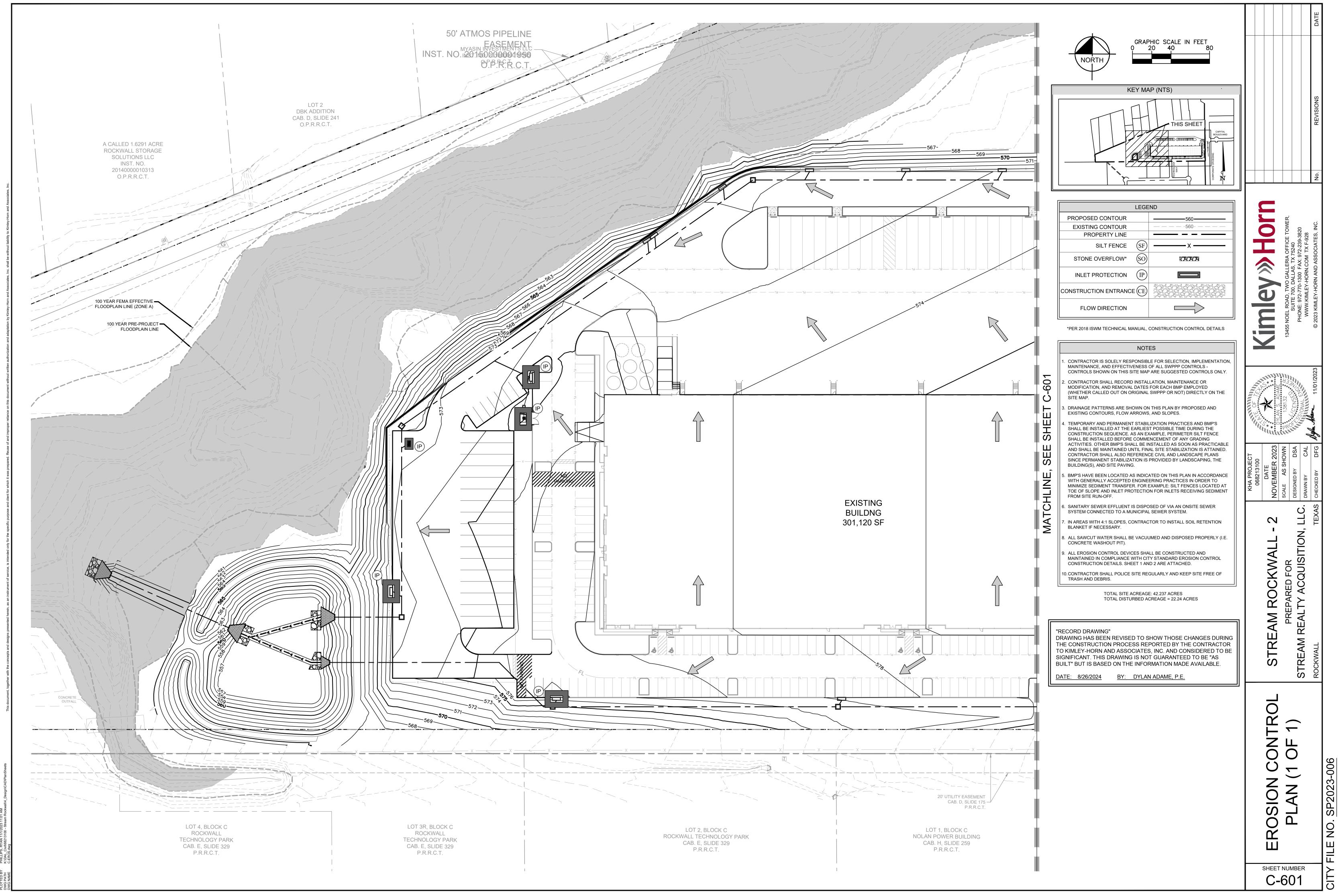
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								INLETS	ON SAG							Gr	rate Inlets				
			Total		Length of	Max Depth	Depression	Width of	H <sub>1</sub>					Weir	Orifice	Inlet Dir	mensions				
Inlet	On-Site Drainage Area	On-Site Flow (Q)	Total Gutter Flow (Q)	Type of Inlet	Inlet	of Ponding		Depression		Height of Inlet Opening	Inlet Capacity	Length Required		Conditions Perimeter Required (P = Q /		X	Y	Perimeter Provided	Area Provided	% Captured	Carry- Over Flow
Stm. Line	ACRES	(cfs)	(cfs)		L (ft)	(ft)	H <sub>2</sub> (ft)	W (ft)	H <sub>1</sub> (ft)	h (ft)	Q (cfs)	L (ft)		(ft)	(ft <sup>2</sup> )	(ft)	(ft)	(ft)	(ft <sup>2</sup> )	%	(cfs)
SYSTEM		, , , , , , , , , , , , , , , , , , ,	· · /																		
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	0.54	5.16	5.16	2'X2' GRATE INLET									0.5	5.16	1.36	2	2	2 8	4	100%	0.00
A12	0.59	5.62	5.62	10' CURB INLET	10.00	0.50	0.500	2	1.00	6.625	12.52	3.31									
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								Ī	

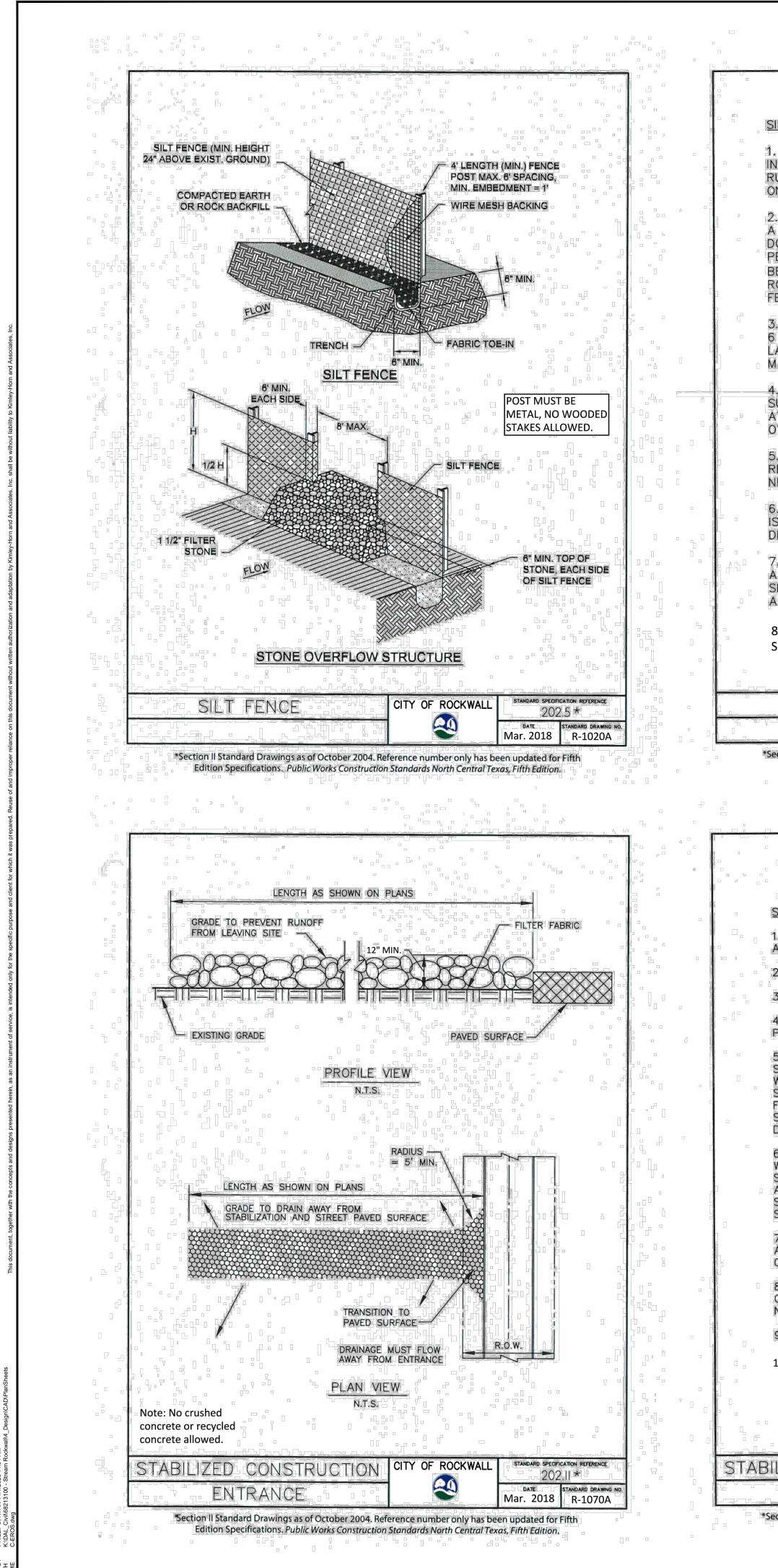


"RECORD DRAWING" DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY THE CONTRACTOR TO KIMLEY-HORN AND ASSOCIATES, INC. AND CONSIDERED TO BE SIGNIFICANT. THIS DRAWING IS NOT GUARANTEED TO BE "AS BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.





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## 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.

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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.

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. 

SI	LT FENCE	CITY OF ROCKWALL	
			Mar. 2018

\*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.

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			KHA PROJECT 068213100	THE OF THINK				
SHEET	<b>FROSION CONTROL</b>	STREAM ROCKWALL - 2	DATE NOVEMBER 2023		Nimey » Horn			
			SCALE AS SHOWN	138132 2 2 2 1 1 1 2 1 2 2 2 2 2 2 2 2 2 2	13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER.			
	DEIAILS		DESIGNED BY DSA	CENSCO ST	SUITE 700, DALLAS, TX 75240 PHONE: 972-770-1300 EAX: 972-230-3820			
			DRAWN BY CAL	A ANNAL CONTRACT	WWW.KIMLEY-HORN.COM TX F-928			
		ROCKWALL TEXAS	TEXAS CHECKED BY DFG	11/1 101/2023	© 2023 KIMLEY-HORN AND ASSOCIATES, INC.	No.	REVISIONS	DATE
CITY	CITY FILE NO. SP2023-006							

"RECORD DRAWING"

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