CONSTRUCTION PLANS

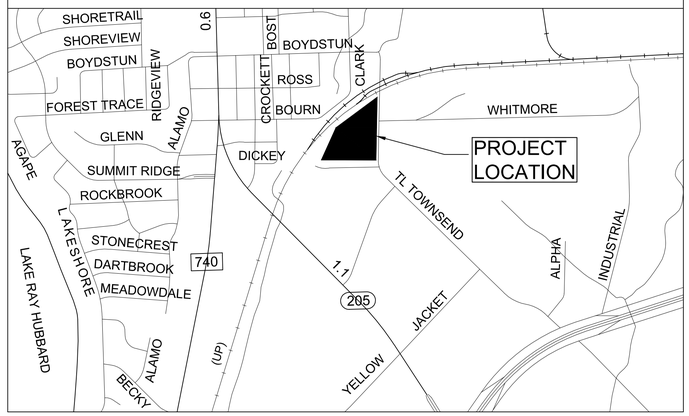
FOR

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION

PLANS SUBMITTAL/REVIEW LOG

BID SET -NOT FOR CONSTRUCTION	04/09/2020
50% CD SET	05/07/2020
2ND CITY SUBMITTAL	06/02/2020
3RD CITY SUBMITTAL	06/26/2020
CITY APPROVED SET	07/06/2020

VICINITY MAP NOT TO SCALE



OWNER

ROCKWALL COUNTY
101 E. RUSK SUITE 202
ROCKWALL, TEXAS 75087
PHONE: 772-204-6000
CONTACT: DENNIS BAILEY

ARCHITECT

DLR GROUP
100 EAST PINE STREET, SUITE 404
ORLANDO, FL 32801
PHONE: 407-803-4931
CONTACT: TIM GIBSON

ENGINEER

Kimley»Horn

TWO GALLERIA OFFICE TOWER, SUITE 700
13455 NOEL ROAD
DALLAS, TEXAS 75240
PHONE: 972-770-1300
CONTACT: CHASE HELM, P.E.
TEXAS REGISTERED ENGINEERING FIRM NO. F-928

CITY OF ROCKWALL, TEXAS

JULY 2020

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LP 3.00	PLANTING DETAILS

RECORD DRAWING
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.
Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

GEOTECH INFORMATION	
REED ENGINEERING	PROJECT NO. 22859
2424 STUTZ DRIVE, SUITE 400 DALLAS, TX 75235	
214-350-5600	

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY
1	CITY AND V.E. COMMENTS	06/25/2020	CBF
2	BID ADDENDUM 2	06/02/2020	ABG
1	BID ADDENDUM 1	02/07/2020	BKW

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

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

COVER SHEET

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-001

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
XREFS
LAST SAVED
PLOTTED BY
DWG NAME

CBF Sheet_No Date: 39-1901-00_rockcountyfail_al_2019_alsalleyre4vy9ncovery.dr_tpg_black-2453468 7/8 :08:33AM
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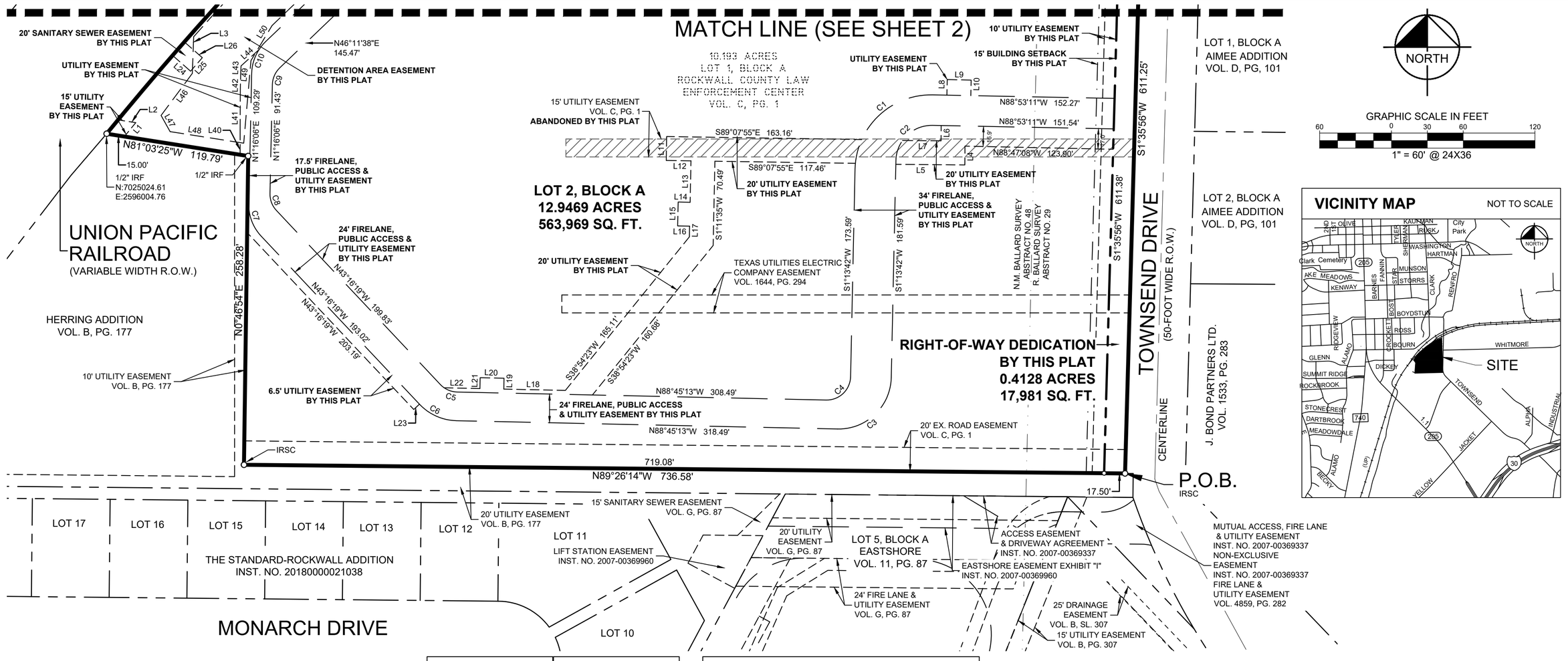
C-COVER.dwg



LEGEND:

P.O.B. = POINT OF BEGINNING
IRSC = 5/8" IRON ROD W/ "KHA" CAP SET
IRF = IRON ROD FOUND
IPF = IRON PIPE FOUND
XS = "X" CUT IN CONCRETE SET
XF = "X" CUT IN CONCRETE FOUND
O.P.R.R.C.T. = OFFICIAL PUBLIC RECORDS, ROCKWALL COUNTY, TEXAS

NOTES:

1. It shall be the policy of the City of Rockwall to withhold issuing building permits until all streets, water, sewer and storm drainage systems have been accepted by the City. The approval of a plat by the City does not constitute any representation, assurance or guarantee that any building within such plat shall be approved, authorized or permit therefore issued, nor shall such approval constitute any representation, assurance or guarantee by the City of the adequacy and availability for water for personal use and fire protection within such plat, as required under Ordinance 83-54.

2. Bearing system based on the Texas Coordinate System of 1983, North Central Zone (4202), North American Datum of 1983(2011).

3. The coordinates shown hereon are surface values of the Texas Coordinate System of 1983, North Central Zone (4202), North American Datum of 1983(2011).

4. The distances shown hereon are surface values. The combined scale factor for this plat is 0.999855936.

5. Property owner shall be responsible for all liability maintenance, repairs, and reconstruction of drainage and detention easements on site.

6. All recording information are per the Plat Records of Rockwall County, Texas unless otherwise stated.

LINE TABLE			LINE TABLE		
NO.	BEARING	LENGTH	NO.	BEARING	LENGTH
L1	N39°20'21"E	15.00'	L25	N41°10'56"E	15.00'
L2	S81°03'25"E	15.00'	L26	N48°49'04"W	20.02'
L3	S02°05'08"W	30.69'	L28	N01°06'11"E	16.29'
L4	S00°20'59"W	15.73'	L29	S43°47'06"E	3.58'
L5	N89°31'37"W	57.71'	L30	S88°59'47"E	37.79'
L6	S00°20'59"W	12.79'	L31	N01°00'13"E	20.00'
L7	N89°31'37"W	32.26'	L32	N88°59'47"W	27.56'
L8	N01°16'41"E	12.99'	L33	N01°06'11"E	38.22'
L9	S88°43'19"E	20.00'	L34	N01°06'11"E	38.22'
L10	S01°16'41"W	12.99'	L35	N34°59'06"W	10.16'
L11	N00°53'49"E	20.00'	L36	N55°00'54"E	20.00'
L12	S89°07'55"E	20.68'	L37	S34°59'06"E	10.16'
L13	S01°11'35"W	34.77'	L38	N65°14'13"W	19.69'
L14	N88°48'25"W	10.00'	L39	S88°59'47"E	44.29'
L15	S01°11'35"W	20.00'	L40	N00°02'47"E	20.87'
L16	S88°48'25"E	10.00'	L41	N00°15'00"E	32.65'
L17	S01°11'35"W	8.89'	L42	N01°15'28"E	15.27'
L18	N88°45'13"W	51.47'	L43	N02°39'59"E	5.49'
L19	S01°14'47"W	9.10'	L44	N47°48'00"E	20.30'
L20	S88°45'13"E	20.00'	L46	S36°36'06"W	43.77'
L21	N01°14'47"E	9.10'	L47	S29°02'54"E	15.48'
L22	N88°45'13"W	29.88'	L48	S81°03'25"E	62.29'
L23	S46°43'41"W	6.50'	L49	N05°00'29"E	69.32'
L24	S48°49'04"E	20.00'	L50	N31°01'14"E	34.28'

CURVE TABLE					
NO.	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	89°53'07"	63.50'	99.62'	S46°10'16"W	89.71'
C2	89°53'07"	30.00'	47.06'	S46°10'16"W	42.38'
C3	90°01'05"	44.00'	69.13'	N46°14'15"E	62.24'
C4	90°01'05"	20.00'	31.42'	N46°14'15"E	28.29'
C5	45°28'54"	20.00'	15.88'	S66°00'46"E	15.46'
C6	45°28'54"	44.00'	34.93'	S66°00'46"E	34.02'
C7	44°32'25"	38.00'	29.54'	S21°00'06"E	28.80'
C8	44°32'25"	20.00'	15.55'	S21°00'06"E	15.16'
C9	44°21'07"	20.00'	15.48'	S24°01'04"W	15.10'
C10	44°55'31"	38.00'	29.80'	S23°43'52"W	29.04'
C11	132°50'53"	20.50'	47.53'	N65°19'15"W	37.58'
C12	45°06'43"	44.00'	34.64'	N23°39'33"E	33.76'
C13	45°06'43"	20.00'	15.75'	N23°39'33"E	15.34'
C14	49°43'42"	44.00'	38.19'	S25°58'02"W	37.00'
C15	49°43'42"	20.00'	17.36'	S25°58'02"W	16.82'
C16	4°11'01"	1000.00'	73.02'	S52°55'24"W	73.00'
C17	4°11'01"	1024.00'	74.77'	S52°55'24"W	74.75'
C18	36°08'05"	44.00'	27.75'	S73°04'57"W	27.29'
C19	36°08'05"	20.00'	12.61'	S73°04'57"W	12.41'
C20	9°52'56"	25.00'	4.31'	N86°12'31"E	4.31'
C21	5°34'37"	25.00'	2.43'	N86°03'42"W	2.43'
C22	49°17'16"	30.00'	25.81'	S66°21'35"W	25.02'
C23	49°17'16"	16.00'	13.76'	N66°21'35"E	13.34'
C24	143°58'32"	16.00'	40.21'	S17°00'31"E	30.43'

FINAL PLAT
LOT 2, BLOCK A,ROCKWALL LAW ENFORCEMENT CENTER ADDITION
BEING A REPLAT OF LOT 1, BLOCK 1, CEDAR GROVE CHRISTIAN ADDITION
AND LOT 1, BLOCK A, ROCKWALL CORRECTIONAL ADDITION
CONTAINING A TOTAL OF 13.3597 ACRES
SITUATED IN THE CEDAR GROVE CHRISTIAN CHURCH ADDITION
AND SITUATED IN THE ROCKWALL LAW ENFORCEMENT CENTER ADDITION
ADDITIONS TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
N.M. BALLARD SURVEY, ABSTRACT NO. 48, R. BALLARD SURVEY, ABSTRACT NO. 29
B.F. BOYDSTON SURVEY, ABSTRACT NO. 14
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
CASE NO. P2020-023

OWNER/APPLICANT:
ROCKWALL COUNTY
101 E RUSK, SUITE 202
ROCKWALL, TEXAS 75087
PHONE: 772-204-6000
CONTACT: DENNIS BAILEY

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
13455 NOEL ROAD, TWO GALLERIA
OFFICE TOWER, SUITE 700
DALLAS, TEXAS 75240
PHONE: 972-770-1300
CONTACT: CHRIS FERGUSSON, P.E.

Kimley»Horn
13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, Texas 75240
FIRM # 10115500
Tel. No. (972) 770-1300
Fax No. (972) 239-3820

Scale	Drawn by	Checked by	Date	Project No.	Sheet No.
1" = 60'	SRD/MTC	JAD	JULY 2020	064510401	1 OF 3

DWG NAME: K:\DAL_SURVEY\064510401 ROCKWALL CORRECTIONAL IMPROVEMENT\DWG\064510401_ROCKWALL CORRECTIONAL_FP.DWG PLOTTED BY BLANKENSHIP, MATTHEW 7/7/2020 6:03 PM LAST SAVED 7/7/2020 6:00 PM

LEGEND:

P.O.B. = POINT OF BEGINNING
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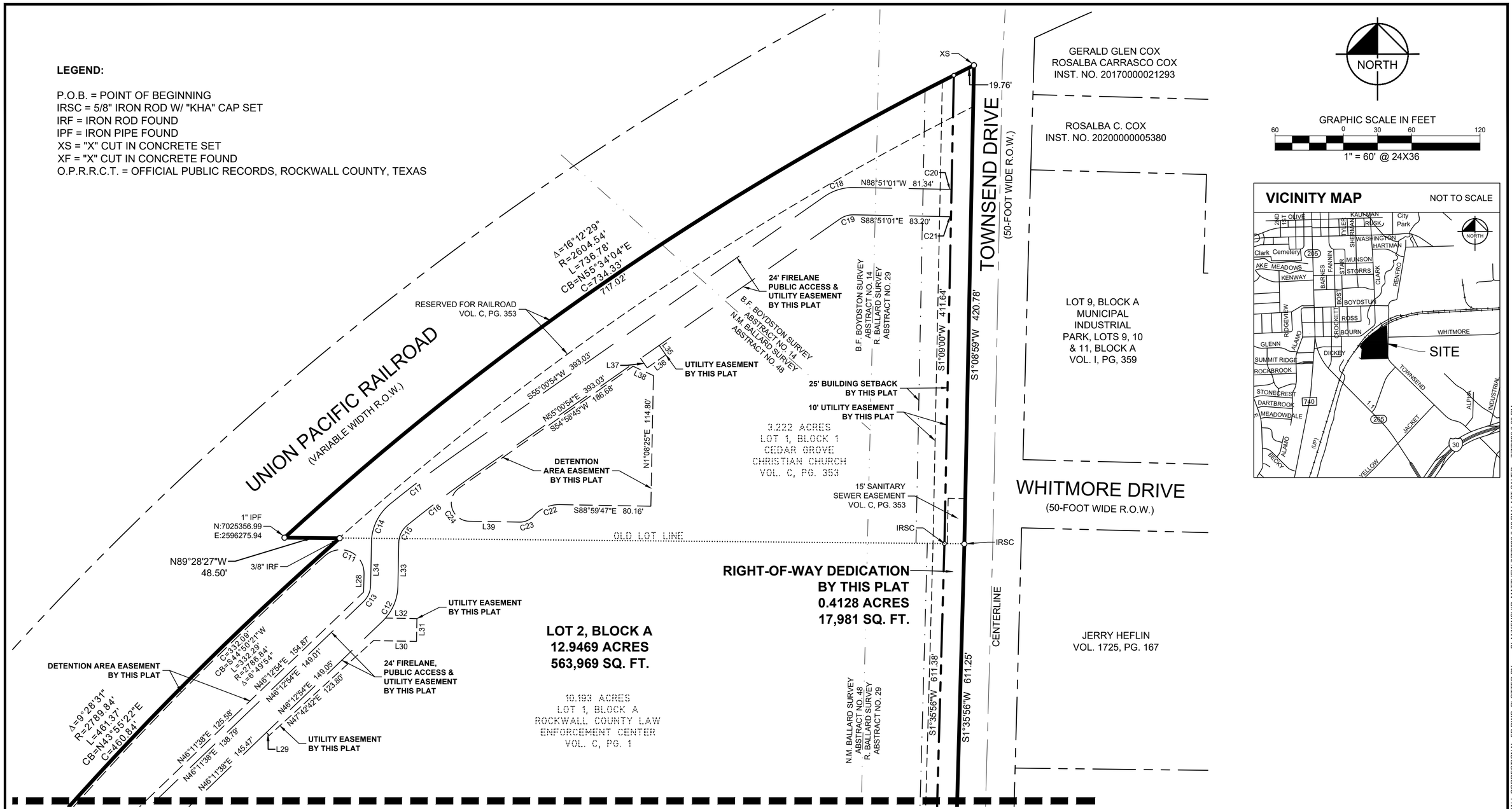

NORTH

GRAPHIC SCALE IN FEET
60 0 30 60 120
1" = 60' @ 24X36

VICINITY MAP NOT TO SCALE

MATCH LINE (SEE SHEET 1)

NOTES:

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6. All recording information are per the Plat Records of Rockwall County, Texas unless otherwise stated.
7. See sheet 1 for line and curve table.

FINAL PLAT
LOT 2, BLOCK A,ROCKWALL LAW ENFORCEMENT CENTER ADDITION
BEING A REPLAT OF LOT 1, BLOCK 1, CEDAR GROVE CHRISTIAN ADDITION
AND LOT 1, BLOCK A, ROCKWALL CORRECTIONAL ADDITION
CONTAINING A TOTAL OF 13.3597 ACRES
SITUATED IN THE CEDAR GROVE CHRISTIAN CHURCH ADDITION
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ADDITIONS TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
N.M. BALLARD SURVEY, ABSTRACT NO. 48, R. BALLARD SURVEY, ABSTRACT NO. 29
B.F. BOYDSTON SURVEY, ABSTRACT NO. 14
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
CASE NO. P2020-023

OWNER/APPLICANT:
ROCKWALL COUNTY
101 E RUSK, SUITE 202
ROCKWALL, TEXAS 75087
PHONE: 772-204-6000
CONTACT: DENNIS BAILEY

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
13455 NOEL ROAD, TWO GALLERIA
OFFICE TOWER, SUITE 700
DALLAS, TEXAS 75240
PHONE: 972-770-1300
CONTACT: CHRIS FERGUSSON, P.E.

Kimley»Horn
13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, Texas 75240
FIRM # 10115500
Tel. No. (972) 770-1300
Fax No. (972) 239-3820

Scale	Drawn by	Checked by	Date	Project No.	Sheet No.
1" = 60'	SRD/MTC	JAD	JULY 2020	064510401	2 OF 3

DWG NAME: K:\DAL_SURVEY\064510401 ROCKWALL CORRECTIONAL IMPROVEMENT\DWG\064510401_ROCKWALL CORRECTIONAL_FP.DWG PLOTTED BY BLANKENSHIP, MATTHEW 7/7/2020 6:03 PM LAST SAVED 7/7/2020 6:00 PM

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

STATE OF TEXAS

COUNTY OF ROCKWALL

I (we) the undersigned owner(s) of the land shown on this plat, and designated herein as the **Rockwall Correctional Addition** to the City of Rockwall, Texas, and whose name is subscribed hereto, hereby dedicate to the use of the public forever all streets, alleys, parks, watercourses, drains, easements and public places thereon shown on the purpose and consideration therein expressed. I (we) further certify that all other parties who have a mortgage or lien interest in the **Rockwall Correctional Addition** have been notified and signed this plat. I (we) understand and do hereby reserve the easement strips shown on this plat for the purposes stated and for the mutual use and accommodation of all utilities desiring to use or using same. I (we) also understand the following;

1. No buildings shall be constructed or placed upon, over, or across the utility easements as described herein.
2. Any public utility shall have the right to remove and keep removed all or part of any buildings, fences, trees, shrubs, or other growths or improvements which in any way endanger or interfere with construction, maintenance or efficiency of their respective system on any of these easement strips; and any public utility shall at all times have the right of ingress or egress to, from and upon the said easement strips for purpose of construction, reconstruction, inspecting, patrolling, maintaining, and either adding to or removing all or part of their respective system without the necessity of, at any time, procuring the permission of anyone.
3. The City of Rockwall will not be responsible for any claims of any nature resulting from or occasioned by the establishment of grade of streets in the subdivision.
4. The developer and subdivision engineer shall bear total responsibility for storm drain improvements.
5. The developer shall be responsible for the necessary facilities to provide drainage patterns and drainage controls such that properties within the drainage area are not adversely affected by storm drainage from the development.
6. No house dwelling unit, or other structure shall be constructed on any lot in this addition by the owner or any other person until the developer and/or owner has complied with all requirements of the Subdivision Regulations of the City of Rockwall regarding improvements with respect to the entire block on the street or streets on which property abuts, including the actual installation of streets with the required base and paving, curb and gutter, water and sewer, drainage structures, storm structures, storm sewers, and alleys, all according to the specifications of the City of Rockwall; or

   Until an escrow deposit, sufficient to pay for the cost of such improvements, as determined by the city's engineer and/or city administrator, computed on a private commercial rate basis, has been made with the city secretary, accompanied by an agreement signed by the developer and/or owner, authorizing the city to make such improvements at prevailing private commercial rates, or have the same made by a contractor and pay for the same out of the escrow deposit, should the developer and/or owner fail or refuse to install the required improvements within the time stated in such written agreement, but in no case shall the City be obligated to make such improvements itself. Such deposit may be used by the owner and/or developer as progress payments as the work progresses in making such improvements by making certified requisitions to the city secretary, supported by evidence of work done; or

   Until the developer and/or owner files a corporate surety bond with the city secretary in a sum equal to the cost of such improvements for the designated area, guaranteeing the installation thereof within the time stated in the bond, which time shall be fixed by the city council of the City of Rockwall.
7. Property owner shall be responsible for maintaining, repairing, and replacing all systems within the drainage and detention easements.

Until an escrow deposit, sufficient to pay for the cost of such improvements, as determined by the city's engineer and/or city administrator, computed on a private commercial rate basis, has been made with the city secretary, accompanied by an agreement signed by the developer and/or owner, authorizing the city to make such improvements at prevailing private commercial rates, or have the same made by a contractor and pay for the same out of the escrow deposit, should the developer and/or owner fail or refuse to install the required improvements within the time stated in such written agreement, but in no case shall the City be obligated to make such improvements itself.

Such deposit may be used by the owner and/or developer as progress payments as the work progresses in making such improvements by making certified requisitions to the city secretary, supported by evidence of work done; or

I (we) further acknowledge that the dedications and/or exaction's made herein are proportional to the impact of the Subdivision upon the public services required in order that the development will comport with the present and future growth needs of the City; I (we), my (our) successors and assigns hereby waive any claim, damage, or cause of action that I (we) may have as a result of the dedication of exactions made herein.

By: ROCKWALL COUNTY

_____

Dennis Bailey, County Commissioner

STATE OF TEXAS §
COUNTY OF _____ §

BEFORE ME, the undersigned, a Notary Public in and for the said County and State, on this day personally appeared Dennis Bailey, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose therein expressed and under oath stated that the statements in the foregoing certificate are true.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this _____ day of _____ 2020.

_____

Notary Public in and for the State of Texas

SURVEYOR'S STATEMENT

I, J. Andy Dobbs, a Registered Professional Land Surveyor, licensed by the State of Texas, affirm that this plat was prepared under my direct supervision, from recorded documentation, evidence collected on the ground during field operations and other reliable documentation; and that this plat substantially complies with the Rules and Regulations of the Texas Board of Professional Land Surveying.

Dated this the _____ day of _____, 2020.

_____

J. ANDY DOBBS
REGISTERED PROFESSIONAL
LAND SURVEYOR NO. 6196
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
SUITE 700
DALLAS, TEXAS 75240
PH. (972) 770-1300
ANDY.DOBBS@KIMLEY-HORN.COM

PRELIMINARY

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

STATE OF TEXAS

COUNTY OF ROCKWALL

WHEREAS, ROCKWALL COUNTY, is the owner of a tract of land situated in the N.M. Ballard Survey, Abstract No. 48, the R. Ballard Survey, Abstract No. 29 and the B.F. Boydston Survey, Abstract No. 14, City of Rockwall, Rockwall County, Texas and being all of Lot 1, Block 1, Cedar Grove Christian Church, an addition to the City of Rockwall, Texas according to the plat thereof recorded in Volume C, Page 353, Plat Records of Rockwall County, Texas and being all of Lot 1, Block A, Rockwall County Law Enforcement Center, an addition to the City of Rockwall, Texas according to the plat thereof recorded in Volume C, Page 1, Plat Records of Rockwall County, Texas and being more particularly described as follows:

BEGINNING at a 5/8" iron rod w/ "KHA" cap set in the west right-of-way line of Townsend Drive (a 50-foot wide right-of-way) at the southeast corner of said Lot 1, Block A and at the easternmost northeast corner of Herring Addition, an addition to the City of Rockwall, Texas according to the plat thereof recorded in Volume B, Page 177, Plat Records of Rockwall County, Texas;

THENCE departing said west right-of-way line and with the north line of said Herring Addition, North 89°26'14" West, a distance of 736.58 feet to a 5/8" iron rod w/ "KHA" cap set for corner at an interior corner of said Herring Addition;

THENCE with the east line of said Herring Addition, North 0°46'54" East, a distance of 258.28 feet to a 1/2" iron rod found at the northeast corner of said Herring Addition;

THENCE with the north line of said Herring Addition, North 81°03'25" West, a distance of 119.79 feet to a 1/2" iron rod found in the southeast right-of-way line of Union Pacific Railroad (a variable width right-of-way) and at the beginning of a non-tangent curve to the right having a central angle of 9°28'31", a radius of 2789.84 feet, a chord bearing and distance of North 43°55'22" East, 460.84 feet;

THENCE with said southeast right-of-way line, the following courses and distances:

In a northeasterly direction, with said curve to the right, an arc distance of 461.37 feet to a 3/8" iron rod found in the south line of said Lot 1, Block 1 and at the northwest corner of said Lot 1, Block A;

North 89°28'27" West, a distance of 48.50 feet to a 1" iron pipe found at the southwest corner of said Lot 1, Block 1 and at the beginning of a non-tangent curve to the right having a central angle of 16°12'29", a radius of 2604.54 feet, a chord bearing and distance of North 55°34'04" East, 734.33 feet;

In a northeasterly direction, with said curve to the right, an arc distance of 736.78 feet to a "X" cut in concrete set at the intersection of said southeast right-of-way line with said west right-of-way line of Townsend Drive;

THENCE with said west right-of-way line, the following courses and distances:

South 1°08'59" West, a distance of 420.78 feet to a 5/8" iron rod w/ "KHA" cap set for corner;

South 1°35'56" West, a distance of 611.25 feet to the **POINT OF BEGINNING** and containing 13.3597 acres or 581,950 square feet of land.

RECOMMENDED FOR FINAL APPROVAL

_____ _____ _____

Planning and Zoning Commission Date

APPROVED

I hereby certify that the above and foregoing plat of an addition to the City of Rockwall, Texas, was approved by the City Council of the City of Rockwall on the _____ day of _____, 2020.

This approval shall be invalid unless the approved plat for such addition is recorded in the office of the County Clerk of Rockwall, County, Texas, within one hundred eighty (180) days from said date of final approval.

WITNESS OUR HANDS, this _____ day of _____, 2020.

_____ _____ _____

Mayor, City of Rockwall City Secretary City Engineer

FINAL PLAT
LOT 2, BLOCK A,ROCKWALL LAW ENFORCEMENT CENTER ADDITION
BEING A REPLAT OF LOT 1, BLOCK 1, CEDAR GROVE CHRISTIAN ADDITION
AND LOT 1, BLOCK A, ROCKWALL CORRECTIONAL ADDITION
CONTAINING A TOTAL OF 13.3597 ACRES
SITUATED IN THE CEDAR GROVE CHRISTIAN CHURCH ADDITION
AND SITUATED IN THE ROCKWALL LAW ENFORCEMENT CENTER ADDITION
ADDITIONS TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
N.M. BALLARD SURVEY, ABSTRACT NO. 48, R. BALLARD SURVEY, ABSTRACT NO. 29
B.F. BOYDSTON SURVEY, ABSTRACT NO. 14
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
CASE NO. P2020-023

OWNER/APPLICANT:
ROCKWALL COUNTY
101 E RUSK, SUITE 202
ROCKWALL, TEXAS 75087
PHONE: 772-204-6000
CONTACT: DENNIS BAILEY

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
13455 NOEL ROAD, TWO GALLERIA
OFFICE TOWER, SUITE 700
DALLAS, TEXAS 75240
PHONE: 972-770-1300
CONTACT: CHRIS FERGUSSON, P.E.

Kimley»Horn
13455 Noel Road, Two Galleria Office Tower, Suite 700, Dallas, Texas 75240 FIRM # 10115500
Tel. No. (972) 770-1300
Fax No. (972) 239-3820

Scale	Drawn by	Checked by	Date	Project No.	Sheet No.
N/A	SRD/MTC	JAD	JULY 2020	064510401	3 OF 3

DWG NAME: K:\DAL_SURVEY\064510401 ROCKWALL CORRECTIONAL IMPROVEMENT\DWG\064510401_ROCKWALL CORRECTIONAL_FP.DWG PLOTTED BY BLANKENSHIP, MATTHEW 7/7/2020 6:03 PM LAST SAVED 7/7/2020 6:00 PM

KH GENERAL NOTES

OVERALL:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN) STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.
2. THE CONTRACTOR SHALL COMPLY WITH CITY OF TOWN STANDARD NOTES FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE CITY. FOR INSTANCES WHERE THEY CONFLICT WITH THESE KH GENERAL NOTES, THEN THE MORE RESTRICTIVE SHALL APPLY.
3. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES SPECIFICATIONS AND REQUIREMENTS.
4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
5. THE EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY THE PROJECT SURVEYOR, AND ARE BASED ON THE BENCHMARKS SHOWN. THE CONTRACTOR SHALL REFERENCE THE SAME BENCHMARKS.
6. THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING TOPOGRAPHIC SURVEY SHOWN ON THE PLANS REPRESENTS EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DISCREPANCIES FOUND TO THE OWNER AND ENGINEER
7. IF THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO THE OWNER AND ENGINEER FOR REVIEW.
8. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING AND STAKING.
9. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL, INCLUDING BENCHMARKS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS. PROPERTY LINES AND CORNERS SHALL BE HELD AS THE HORIZONTAL CONTROL.
10. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ARCHITECT, ENGINEER, AND (IF APPLICABLE) THE CITY AND OWNER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
11. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
13. CONTRACTOR SHALL CALL TEXAS 811 AND CITY FOR WATER AND SANITARY (972-771-7730) AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.
14. CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC AND PRIVATE UTILITIES.
15. THE LOCATIONS, ELEVATIONS, DEPTH, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY MAPS AND PLANS, AND ARE CONSIDERED APPROXIMATE AND INCOMPLETE. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION, ELEVATION, DEPTH, AND DIMENSION OF EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE ENGINEER SHALL BE NOTIFIED WHEN A PROPOSED IMPROVEMENT CONFLICTS WITH AN EXISTING UTILITY.
16. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE. RELOCATING EXISTING POLES AND GUY WIRES THAT CONFLICT WITH PROPOSED GRADES, ADJUSTING THE HORIZONTAL OR VERTICAL ALIGNMENT OF EXISTING UNDERGROUND UTILITIES TO ACCOMMODATE PROPOSED GRADE OR CROSSING WITH A PROPOSED UTILITY, AND ANY OTHERS THAT MAY BE ENCOUNTERED THAT ARE UNKNOWN AT THIS TIME AND NOT SHOWN ON THESE PLANS.
17. CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS, CABLE, UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED. NO OVERHEAD ALLOWED.
18. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION, AND SERVICE TO THE PROPOSED DEVELOPMENT.
19. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTORS' FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL ASSUME ALL LIABILITY, DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
20. BRACING OF UTILITY POLES MAY BE REQUIRED BY THE UTILITY COMPANIES WHEN TRENCHING OR EXCAVATING IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR, WITH NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE PAY ITEM
21. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND UTILITY OWNER REGULATIONS PERTAINING TO WORK SETBACKS FROM POWER LINES.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.
23. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, GEOTECHNICAL REPORT AND ADDENDA, PROJECT AND CITY SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS.
24. ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE. THE CONTRACTOR SHALL OBTAIN CITY APPROVAL ON ALL PUBLIC ITEMS AS WELL.
25. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.
26. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
27. CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
28. ALL SYMBOLS SHOWN ON THESE PLANS (E.G. FIRE HYDRANTS, METERS, VALVES, INLETS, ETC…) ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE. CONTRACTOR SHALL COORDINATE FINAL SIZES AND LOCATIONS WITH APPROPRIATE CITY INSPECTOR.
29. THE SCOPE OF WORK FOR THE CIVIL IMPROVEMENTS SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. REFERENCE THE BUILDING PLANS (E.G. ARCHITECTURAL, STRUCTURAL, MEP) FOR AREAS WITHIN 5-FEET OF THE BUILDING AND WITHIN THE BUILDING FOOTPRINT.
30. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMENSIONS.
31. THE PROPOSED BUILDING FOOTPRINT(S) SHOWN IN THESE PLANS WAS PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (KH) BY THE PROJECT ARCHITECT AT THE TIME THESE PLANS WERE PREPARED. IT MAY NOT BE THE FINAL CORRECT VERSION BECAUSE THE BUILDING DESIGN WAS ONGOING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFIRMING THE FINAL CORRECT VERSION OF THE BUILDING FOOTPRINT WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO LAYOUT. DIMENSIONS AND/OR COORDINATES SHOWN ON THESE PLANS WERE BASED ON THE ABOVE STATED ARCHITECTURAL FOOTPRINT, AND ARE THEREFORE A PRELIMINARY LOCATION OF THE BUILDING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERIFY WHAT PART OF THE BUILDING THE ARCHITECT'S FOOTPRINT REPRESENTS (E.G. SLAB, OUTSIDE WALL, MASONRY LEDGE, ETC.….) AND TO CONFIRM ITS FINAL POSITION ON THE SITE BASED ON THE FINAL ARCHITECTURAL FOOTPRINT, CIVIL DIMENSION CONTROL PLAN, SURVEY BOUNDARY AND/OR PLAT. ANY DIFFERENCES FOUND SHALL BE REPORTED TO KH IMMEDIATELY.
32. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT ADDENDA.
33. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND COMPLY WITH CITY STANDARD SPECIFICATIONS AND GEOTECHNICAL REPORT. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR TESTING AND CERTIFICATION.
34. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE OWNER, CITY INSPECTOR, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING AGENCY.
35. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
36. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING, IF NONE IS CURRENTLY EXISTING.
37. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
38. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
39. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC… TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
40. ALL AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER, INCLUDING AS NECESSARY GRADING, LANDSCAPING, CULVERTS, SOD, AND PAVEMENT.
41. THE CONTRACTOR SHALL SALVAGE ALL EXISTING POWER POLES, SIGNS, WATER VALVES, FIRE HYDRANTS, METERS, ETC… THAT ARE TO BE RELOCATED DURING CONSTRUCTION.
42. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
43. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
44. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
45. SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
46. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
47. SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS.
48. CONTRACTOR OFFICE AND TRAILER AREAS SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION OFFICE, TRAILER, STORAGE, AND STAGING OPERATIONS AND LOCATIONS.
49. LIGHT POLES, SIGNS, AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES.
50. ALL SIGNAL, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
51. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING.
52. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING.
53. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE CITY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.
54. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY OF A SIGNED AND SEALED TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.
55. CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.
56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION.

EROSION CONTROL:

1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE "TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000".
3. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE.
4. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT.
5. CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPS), AND FOR UPDATING THE EROSION CONTROL PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHANGE.
6. CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL FOR EACH BMP EMPLOYED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE.
7. AS STORM SEWER INLETS ARE INSTALLED ON-SITE, TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED AT EACH INLET PER APPROVED DETAILS.
8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED.
9. CONTRACTOR SHALL PROVIDE ADEQUATE EROSION CONTROL DEVICES NEEDED DUE TO PROJECT PHASING.
10. CONTRACTOR SHALL OBSERVE THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND MAKE FIELD ADJUSTMENTS AND MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. IF THE EROSION CONTROL DEVICES DO NOT EFFECTIVELY CONTROL EROSION AND PREVENT SEDIMENTATION FROM WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
11. OFF-SITE SOIL BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMP'S TO CONTROL EROSION AND SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AND EROSION CONTROL PLAN TO INCLUDE BMPS FOR ANY OFF-SITE THAT ARE NOT ANTICIPATED OR SHOWN ON THE EROSION CONTROL PLAN.
12. ALL STAGING, STOCKPILES, SPOIL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. PROTECTIVE MEASURES SHALL BE PROVIDED IF NEEDED TO ACCOMPLISH THIS REQUIREMENT, SUCH AS COVERING OR ENCIRCLING THE AREA WITH AN APPROPRIATE BARRIER.
13. CONTRACTORS SHALL INSPECT ALL EROSION CONTROL DEVICES, BMPS, DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS WEEKLY AND WITHIN 24 HOURS OF A RAIN EVENT THAT PRODUCES 0.5 INCHES OR GREATER, AND KEEP A RECORD OF THIS INSPECTION IN THE SWPPP BOOKLET IF APPLICABLE, TO VERIFY THAT THE DEVICES AND EROSION CONTROL PLAN ARE FUNCTIONING PROPERLY.
14. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS IN ACCORDANCE WITH CITY STANDARDS. CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS.
15. SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT ONTO OFF-SITE ROADWAYS. ALL SEDIMENT AND DIRT FROM THE SITE THAT IS DEPOSITED ONTO AN OFF-SITE ROADWAY SHALL BE REMOVED IMMEDIATELY.
16. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-SITE ROADWAYS THAT ARE A RESULT OF THE CONSTRUCTION, AS REQUESTED BY OWNER AND CITY. AT A MINIMUM, THIS SHOULD OCCUR ONCE PER DAY FOR THE OFF-SITE ROADWAYS.
17. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO EXITING THE SITE, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP BMP.
18. CONTRACTOR SHALL INSTALL A TEMPORARY SEDIMENT BASIN FOR ANY ON-SITE DRAINAGE AREAS THAT ARE GREATER THAN 10 ACRES, PER TCEQ AND CITY STANDARDS. IF NO ENGINEERING DESIGN HAS BEEN PROVIDED FOR A SEDIMENTATION BASIN ON THESE PLANS, THEN THE CONTRACTOR SHALL ARRANGE FOR AN APPROPRIATE DESIGN TO BE PROVIDED.
19. ALL FEES 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 INTO STORM SEWER INLETS 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 IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
22. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION, ALWAYS CLEANING UP DIRT, LOOSE MATERIAL, AND TRASH AS CONSTRUCTION PROGRESSES.
23. UPON COMPLETION, SURFACES OF FINE GRADED 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 COMPLETION OF THE PROJECT, ALL INLETS, PIPE, CHANNELS, DRAINAGEWAYS AND BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE DREDGED, AND THE SEDIMENT GENERATED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.
25. ALL BMPS SHALL BE REMOVED PRIOR TO ENGINEERING ACCEPTANCE OR CERTIFICATE OF OCCUPANCY.
26. ALL DISTURBED AREAS TO HAVE 80% GRASS (NO WINTER RYE OR WEEDS) COVERAGE A MINIMUM OF 1" IN HEIGHT.

STORM WATER DISCHARGE AUTHORIZATION:

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

DEMOLITION:

1. KH IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS PRELIMINARY DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACT THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.
2. KH DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY OTHERS, SHOWS ALL IMPROVEMENTS AND UTILITIES. THAT THE IMPROVEMENTS AND UTILITIES ARE SHOWN ACCURATELY, OR THAT THE UTILITIES SHOWN CAN BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ITS OWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE OWNERS OF IMPROVEMENTS AND UTILITIES THE ABILITY AND PROCESS TO DEMOLISH AND REMOVE.
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, SITE ASSESSMENT, AND UTILITIES, TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR IS STRONGLY CAUTIONED TO REVIEW THE FOLLOWING REPORTS DESCRIBING SITE CONDITIONS PRIOR TO BIDDING AND IMPLEMENTING THE DEMOLITION PLAN:
   a. ENVIRONMENTAL SITE ASSESSMENT PROVIDED BY THE OWNER.
   b. ASBESTOS BUILDING INSPECTION REPORT(S) PROVIDED BY THE OWNER.
   c. GEOTECHNICAL REPORT PROVIDED BY THE OWNER.
   d. OTHER REPORTS THAT ARE APPLICABLE AND AVAILABLE.
5. CONTRACTOR SHALL 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.
6. KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE SHOWING ALL ITEMS THAT WILL NEED TO BE REMOVED.
7. SURFACE PAVEMENT INDICATED MAY OVERLAY OTHER HIDDEN STRUCTURES, SUCH AS ADDITIONAL LAYERS OF PAVEMENT, FOUNDATIONS OR WALLS, THAT ARE ALSO TO BE REMOVED.

GRADING:

1. THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE CIVIL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
2. CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY.
3. UNLESS OTHERWISE NOTED, PROPOSED CONTOURS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT SURFACE. IN LOCATIONS

GENERAL ITEMS

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

EROSION CONTROL & VEGETATION

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

TRAFFIC CONTROL

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

UTILITY LINE LOCATES

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

WATER LINE NOTES

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

WASTEWATER LINE NOTES

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

GENERAL CONSTRUCTION NOTES
Sheet 1 of 2
June 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

385 S. Goliad
Rockwall, Texas 75087

P (972) 771-7746
F (972) 771-7748

RECORD DRAWING
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.
Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 2	06/02/2020	ABG
2	BID ADDENDUM 1	02/07/2020	BKW

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

CITY OF ROCKWALL GENERAL NOTES (1 OF 2)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-003

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION NOTES

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

PAVING AND GRADING

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

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

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

DRAINAGE / STORM SEWER NOTES

1. The CONTRACTOR shall maintain drainage at all times during construction. Ponding of water in streets, drives, trenches, etc. will not be allowed. Existing drainage ways shall not be blocked or removed unless explicitly stated in the plans or written approval is given by the City.
2. All structural concrete shall be 4200 psi compressive strength at 28 days minimum 7.0 sack mix, air entrained, unless noted otherwise. Fly ash shall not be allowed in any structural concrete.
3. Proposed storm sewer embedment shall be NCTCOG Class 'B' as amended by the City of Rockwall's Engineering Department Standards of Design and Construction Manual.
4. All public storm pipe shall be a minimum of 18-inch reinforced concrete pipe (RCP), Class III, unless otherwise noted.
5. All storm pipe entering structures shall be grouted to assure connection at the structure is watertight.
6. All storm structures shall have a smooth uniform poured mortar invert from invert in to invert out.
7. All storm sewer manholes in paved areas shall be flush with the paving grade, and shall have traffic bearing ring and covers.

RETAINING WALLS

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

FINAL ACCEPTANCE AND RECORD DRWINGS/AS-BUILTS

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

GENERAL CONSTRUCTION NOTES
Sheet 2 of 2
June 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

385 S. Goliad
Rockwall, Texas 75087

P (972) 771-7746
F (972) 771-7748

RECORD DRAWING
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE “AS-BUILT” BUT IS BASED ON THE INFORMATION MADE AVAILABLE.
Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!
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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 2	06/02/2020	ABG
2	BID ADDENDUM 1	02/07/2020	BKW

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

CITY OF ROCKWALL
GENERAL NOTES
(2 OF 2)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-004

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IMAGES
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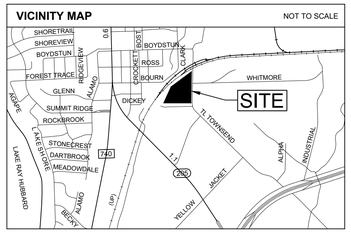


6" OF 3,000 PSI PCC (MIN. 5.5 SACK) PAVEMENT WITH #3 BARS ON 24" O.C.E.W.

A MINIMUM OF 6" OF SOIL BELOW THE PAVEMENT SHALL BE SCARIFIED AND RECOMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY, ASTM 698 AT OR ABOVE OPTIMUM MOISTURE CONTENT

CONCRETE
3,000 PSI COMPRESSIVE STRENGTH
6"
6"

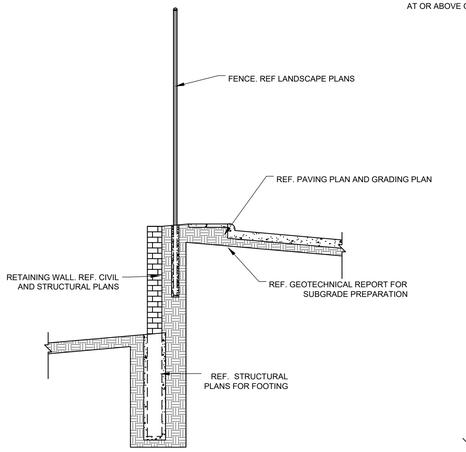
PARKING PAVEMENT
N.T.S.

7" OF 3,600 PSI PCC (MIN. 6.5 SACK) PAVEMENT WITH #3 BARS ON 24" O.C.E.W.

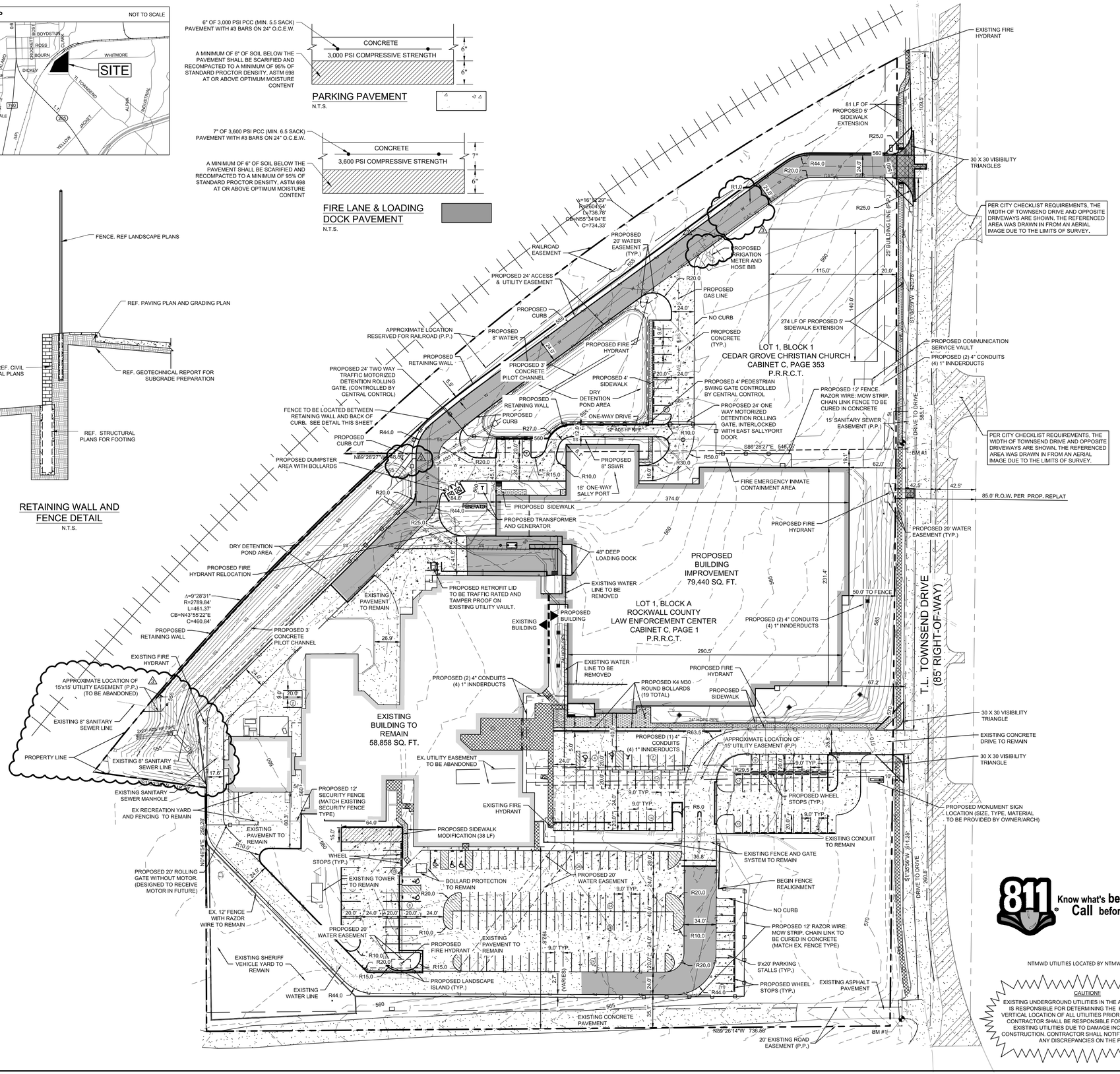
A MINIMUM OF 6" OF SOIL BELOW THE PAVEMENT SHALL BE SCARIFIED AND RECOMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY, ASTM 698 AT OR ABOVE OPTIMUM MOISTURE CONTENT

CONCRETE
3,600 PSI COMPRESSIVE STRENGTH
7"
6"

FIRE LANE & LOADING DOCK PAVEMENT
N.T.S.



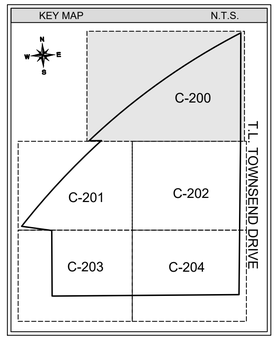
RETAINING WALL AND FENCE DETAIL
N.T.S.


EXISTING FIRE HYDRANT
81 LF OF PROPOSED 5' SIDEWALK EXTENSION
30 X 30 VISIBILITY TRIANGLES
PER CITY CHECKLIST REQUIREMENTS, THE WIDTH OF TOWNSEND DRIVE AND OPPOSITE DRIVEWAYS ARE SHOWN. THE REFERENCED AREA WAS DRAWN IN FROM AN AERIAL IMAGE DUE TO THE LIMITS OF SURVEY.
RAILROAD EASEMENT
PROPOSED 20' WATER EASEMENT (TYP.)
PROPOSED 24' ACCESS & UTILITY EASEMENT
PROPOSED IRRIGATION METER AND HOSE BIB
PROPOSED GAS LINE
PROPOSED CURB
NO CURB
PROPOSED CONCRETE (TYP.)
LOT 1, BLOCK 1
CEDAR GROVE CHRISTIAN CHURCH
CABINET C, PAGE 353
P.R.R.C.T.
274 LF OF PROPOSED 5' SIDEWALK EXTENSION
PROPOSED COMMUNICATION SERVICE VAULT
PROPOSED (2) 4" CONDUITS (4) 1" INNDERDUCTS
APPROXIMATE LOCATION RESERVED FOR RAILROAD (P.P.)
PROPOSED RETAINING WALL
PROPOSED 8" WATER
PROPOSED FIRE HYDRANT
PROPOSED 3' CONCRETE PILOT CHANNEL
PROPOSED 4' SIDEWALK
PROPOSED 24' TWO WAY TRAFFIC MOTORIZED DETENTION ROLLING GATE. (CONTROLLED BY CENTRAL CONTROL)
DRY DETENTION POND AREA
PROPOSED 4' PEDESTRIAN SWING GATE CONTROLLED BY CENTRAL CONTROL
PROPOSED 24' ONE WAY MOTORIZED DETENTION ROLLING GATE, INTERLOCKED WITH EAST SALLYPORT DOOR.
PROPOSED 12' FENCE, RAZOR WIRE: MOW STRIP, CHAIN LINK FENCE TO BE CURED IN CONCRETE
15' SANITARY SEWER EASEMENT (P.P.)
FENCE TO BE LOCATED BETWEEN RETAINING WALL AND BACK OF CURB. SEE DETAIL THIS SHEET.
ONE-WAY DRIVE
PROPOSED CURB CUT
PROPOSED DUMPSTER AREA WITH BOLLARDS
PROPOSED 8" SSWR
18' ONE-WAY SALLY PORT
FIRE EMERGENCY INMATE CONTAINMENT AREA
PROPOSED SIDEWALK
PROPOSED TRANSFORMER AND GENERATOR
PROPOSED FIRE HYDRANT
PROPOSED 20' WATER EASEMENT (TYP.)
85.0' R.O.W. PER PROP. REPLAT
48" DEEP LOADING DOCK
PROPOSED BUILDING IMPROVEMENT 79,440 SQ. FT.
EXISTING WATER LINE TO BE REMOVED
PROPOSED FIRE HYDRANT RELOCATION
PROPOSED RETROFIT LID TO BE TRAFFIC RATED AND TAMPER PROOF ON EXISTING UTILITY VAULT.
LOT 1, BLOCK A
ROCKWALL COUNTY
LAW ENFORCEMENT CENTER
CABINET C, PAGE 1
P.R.R.C.T.
EXISTING BUILDING
PROPOSED BUILDING
PROPOSED (2) 4" CONDUITS (4) 1" INNDERDUCTS
EXISTING WATER LINE TO BE REMOVED
PROPOSED K4 M30 ROUND BOLLARDS (19 TOTAL)
PROPOSED SIDEWALK
T.L. TOWNSEND DRIVE
(85' RIGHT-OF-WAY)
30 X 30 VISIBILITY TRIANGLE
EXISTING CONCRETE DRIVE TO REMAIN
30 X 30 VISIBILITY TRIANGLE
PROPOSED MONUMENT SIGN - LOCATION (SIZE, TYPE, MATERIAL - TO BE PROVIDED BY OWNER/ARCH)
EXISTING BUILDING TO REMAIN
58,858 SQ. FT.
EX. UTILITY EASEMENT TO BE ABANDONED
APPROXIMATE LOCATION OF 15' UTILITY EASEMENT (P.P)
PROPOSED (1) 4" CONDUITS (4) 1" INNDERDUCTS
PROPOSED WHEEL STOPS (TYP.)
EXISTING FIRE HYDRANT
EXISTING CONDUIT TO REMAIN
PROPOSED 12' SECURITY FENCE (MATCH EXISTING SECURITY FENCE TYPE)
PROPOSED SIDEWALK MODIFICATION (38 LF)
EXISTING PAVEMENT TO REMAIN
WHEEL STOPS (TYP.)
EXISTING FENCE AND GATE SYSTEM TO REMAIN
PROPOSED 20' ROLLING GATE WITHOUT MOTOR. (DESIGNED TO RECEIVE MOTOR IN FUTURE)
EXISTING TOWER TO REMAIN
BOLLARD PROTECTION TO REMAIN
PROPOSED 20' WATER EASEMENT
BEGIN FENCE REALIGNMENT
NO CURB
EX. 12' FENCE WITH RAZOR WIRE TO REMAIN
PROPOSED 12' RAZOR WIRE: MOW STRIP. CHAIN LINK TO BE CURED IN CONCRETE (MATCH EX. FENCE TYPE)
EXISTING SHERIFF VEHICLE YARD TO REMAIN
PROPOSED LANDSCAPE ISLAND (TYP.)
9'x20' PARKING STALLS (TYP.)
EXISTING WATER LINE
PROPOSED WHEEL STOPS (TYP.)
EXISTING ASPHALT PAVEMENT
EXISTING CONCRETE PAVEMENT
20' EXISTING ROAD EASEMENT (P.P.)
BM #1
PROPOSED 20' WATER EASEMENT (TYP.)
50.0' TO FENCE
PROPOSED (2) 4" CONDUITS (4) 1" INNDERDUCTS
PROPOSED FIRE HYDRANT
PROPOSED SIDEWALK
EXISTING FIRE HYDRANT
APPROXIMATE LOCATION OF 15'x15' UTILITY EASEMENT (P.P.) (TO BE ABANDONED)
EXISTING 8" SANITARY SEWER LINE
PROPERTY LINE
EXISTING 8" SANITARY SEWER LINE
EXISTING SANITARY SEWER MANHOLE
EX RECREATION YARD AND FENCING TO REMAIN
DRY DETENTION POND AREA
PROPOSED FIRE HYDRANT RELOCATION
PROPOSED RETAINING WALL
PROPOSED 3' CONCRETE PILOT CHANNEL
EXISTING PAVEMENT TO REMAIN
PROPOSED 24" HDPE PIPE
PROPOSED 20' WATER EASEMENT
EXISTING FIRE HYDRANT
PROPOSED 24" HDPE PIPE
PROPOSED 24" HDPE PIPE
PROPOSED 24" HDPE PIPE

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP N.T.S.



RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

NOTES

* NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH THE RAILROAD

LEGEND

PROPERTY LINE	
SAWCUT LINE	
EXISTING PAVEMENT TO BE REMOVED	
EXISTING SIDEWALK TO REMAIN	
EXISTING WATER LINE	W W
EXISTING SANITARY SEWER LINE	SS SS
EXISTING STORM SEWER LINE	
EXISTING GAS LINE	GAS GAS
EXISTING OVERHEAD ELECTRIC	OHE OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE UGE
EXISTING INFRASTRUCTURE TO BE REMOVED	
EXISTING CHAIN LINK FENCE WITH RAZOR WIRE	x x x
EXISTING TREE TO BE REMOVED (SEE LANDSCAPE PLAN)	
EXISTING TREE TO BE PRESERVED (SEE LANDSCAPE PLAN)	

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EX. FIRE HYDRANT (TO REMAIN)

EX. SIDEWALK (TO REMAIN)

SAWCUT, REMOVE AND REPLACE EX. CONC. PVMT. REMOVE CONC. CURB AND GUTTER

Δ=16°12'29"
R=2604.54'
L=736.78'
CB=N55°34'04"E
C=734.33'

APPROXIMATE LOCATION RESERVED FOR RAILROAD (P.P.)

LOT 1, BLOCK 1
CEDAR GROVE CHRISTIAN CHURCH
CABINET C, PAGE 353
P.R.R.C.T.

25' BUILDING LINE (P.P.)

15' SANITARY SEWER EASEMENT (P.P.)

EX. 16" RCCP WATER LINE

420.78' S10°59'59"W

S89°28'27"E 548.75'

N89°28'27"W

MATCHLINE, SEE SHEET C-201

MATCHLINE, SEE SHEET C-202

No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

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

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

DEMOLITION PLAN (1 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-200

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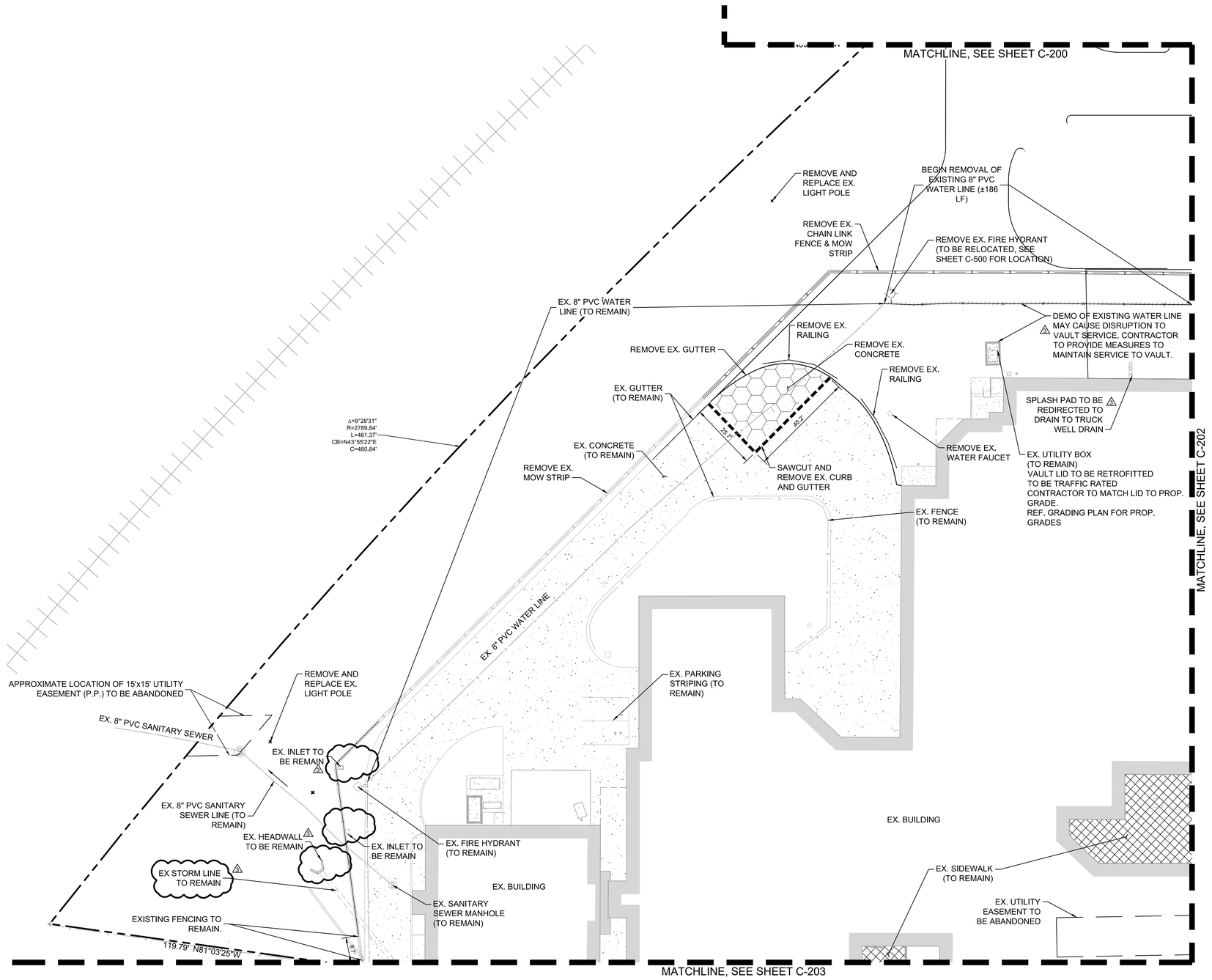

NORTH

GRAPHIC SCALE IN FEET
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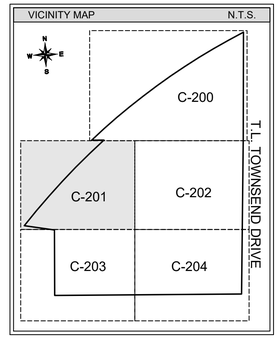
VICINITY MAP N.T.S.



LEGEND	
PROPERTY LINE	
SAWCUT LINE	
EXISTING PAVEMENT TO BE REMOVED	
EXISTING SIDEWALK TO REMAIN	
EXISTING CONCRETE TO REMAIN	
EXISTING WATER LINE	W
EXISTING SANITARY SEWER LINE	SS
EXISTING STORM SEWER LINE	
EXISTING GAS LINE	GAS
EXISTING OVERHEAD ELECTRIC	OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE
EXISTING INFRASTRUCTURE TO BE REMOVED	
EXISTING CHAIN LINK FENCE WITH RAZOR WIRE	x
EXISTING TREE TO BE REMOVED (SEE LANDSCAPE PLAN)	
EXISTING TREE TO BE PRESERVED (SEE LANDSCAPE PLAN)	

NOTES
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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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No.	REVISIONS	DATE	BY
1	CITY AND V.E. COMMENTS	06/25/2020	CBF
2	BID ADDENDUM 2	06/02/2020	ABG
1	BID ADDENDUM 1	02/07/2020	BKW

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401			
DATE 07/06/2020	SCALE	AS SHOWN	
	DESIGNED BY	CBF	
	DRAWN BY	TAD	
	CHECKED BY	CBF	

DEMOLITION PLAN (2 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-201

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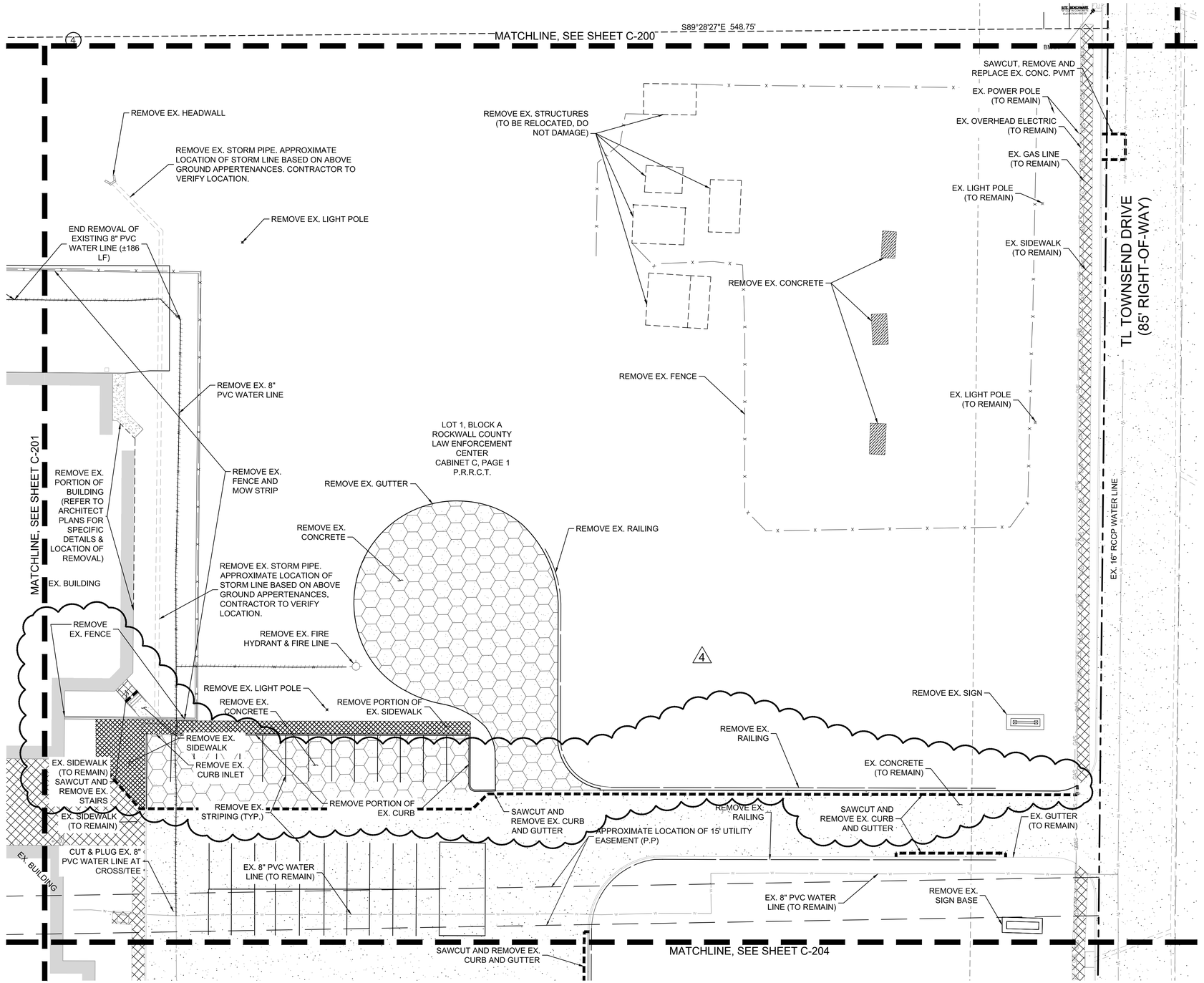
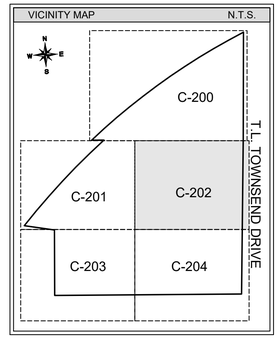
LAST SAVED: 7/7/2020 7:48 AM
PLOTTED BY: FERGUSSON, CHRIS 7/13/2020 7:49 AM
PLOT STYLE: KHA - Full Size.ctb
LAYOUT: C-201 Removed Commercial Improvement A_Design\CAD\Plan\Sheets
DWG NAME: C-201D.dwg





LEGEND	
PROPERTY LINE	
SAWCUT LINE	
EXISTING PAVEMENT TO BE REMOVED	
EXISTING SIDEWALK TO REMAIN	
EXISTING CONCRETE TO REMAIN	
EXISTING SIDEWALK TO BE REMOVED	
EXISTING WATER LINE	W
EXISTING SANITARY SEWER LINE	SS
EXISTING STORM SEWER LINE	
EXISTING GAS LINE	GAS
EXISTING OVERHEAD ELECTRIC	OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE
EXISTING INFRASTRUCTURE TO BE REMOVED	
EXISTING CHAIN LINK FENCE WITH RAZOR WIRE	x
EXISTING TREE TO BE REMOVED (SEE LANDSCAPE PLAN)	
EXISTING TREE TO BE PRESERVED (SEE LANDSCAPE PLAN)	

NOTES
1. NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH THE RAILROAD. 2. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC LOCATION AND DETAILS ON EXISTING WALL AND BUILDING REMOVAL.

RECORD DRAWING

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1	ASI 002	09/25/2020	ABG
2	BID ADDENDUM 2	06/02/2020	ABG
1	BID ADDENDUM 1	02/07/2020	BKW

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
03-25-2020

KHA PROJECT	064510401
DATE	09/25/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

DEMOLITION PLAN (3 OF 5)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-202

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PLOTTED BY
DWG NAME
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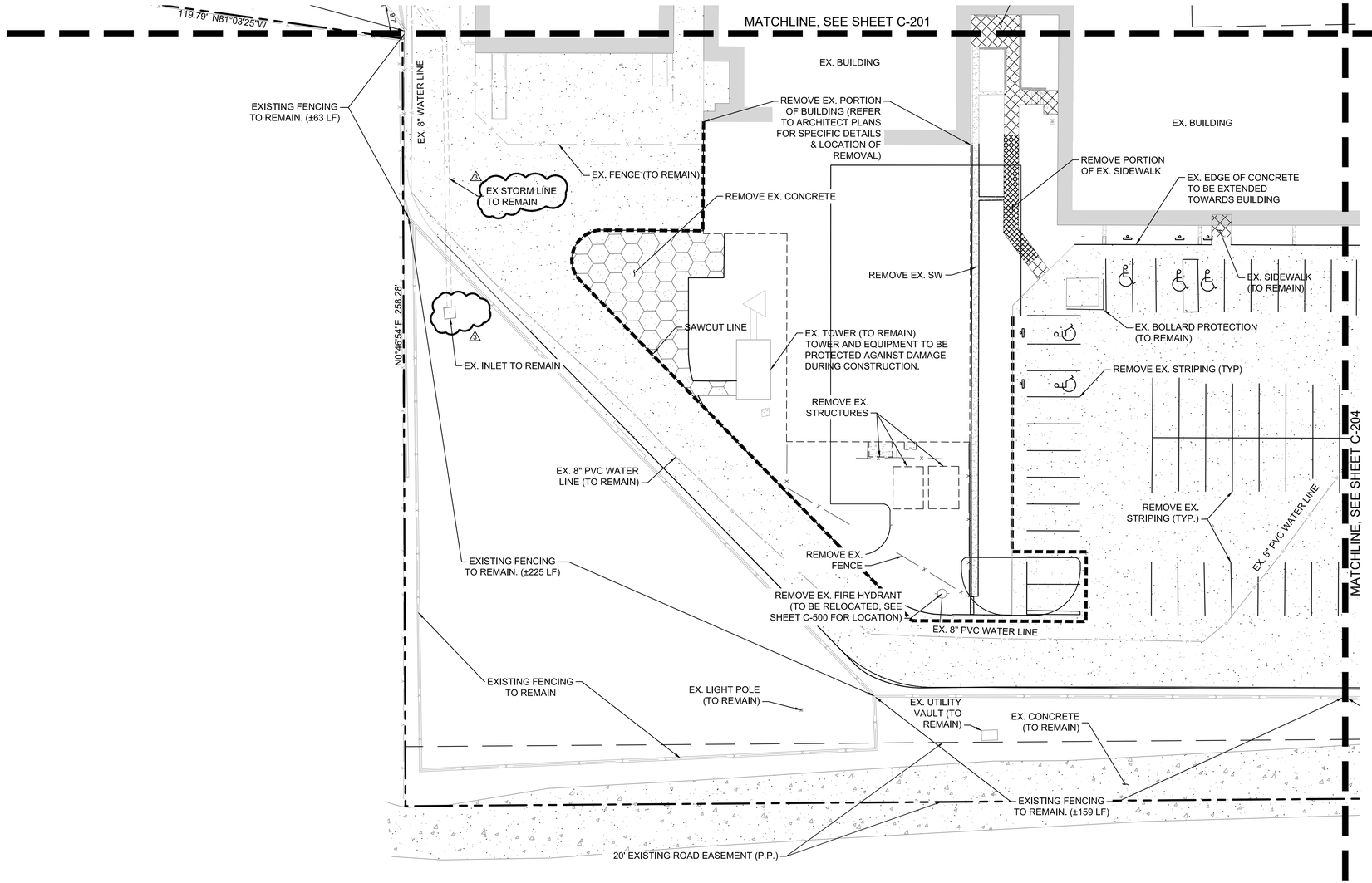

NORTH

GRAPHIC SCALE IN FEET
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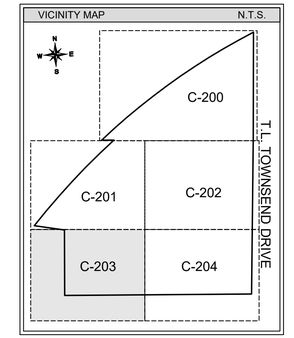
VICINITY MAP N.T.S.



LEGEND	
PROPERTY LINE	
SAWCUT LINE	
EXISTING PAVEMENT TO BE REMOVED	
EXISTING SIDEWALK TO REMAIN	
EXISTING CONCRETE TO REMAIN	
EXISTING SIDEWALK TO BE REMOVED	
EXISTING WATER LINE	W W
EXISTING SANITARY SEWER LINE	SS SS
EXISTING STORM SEWER LINE	
EXISTING GAS LINE	GAS GAS
EXISTING OVERHEAD ELECTRIC	OHE OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE UGE
EXISTING INFRASTRUCTURE TO BE REMOVED	
EXISTING CHAIN LINK FENCE WITH RAZOR WIRE	x x x
EXISTING TREE TO BE REMOVED (SEE LANDSCAPE PLAN)	
EXISTING TREE TO BE PRESERVED (SEE LANDSCAPE PLAN)	

NOTES
1. NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH THE RAILROAD. 2. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC LOCATION AND DETAILS ON EXISTING WALL AND BUILDING REMOVAL.

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY
1	CITY AND V.E. COMMENTS	06/25/2020	CBF
2	BID ADDENDUM 2	06/02/2020	ABG
3	BID ADDENDUM 1	02/07/2020	BKW

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

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

DEMOLITION PLAN (4 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-203

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IMAGES
XREFS
LAST SAVED
PLOTTED BY
PLOT DATE
DWG NAME

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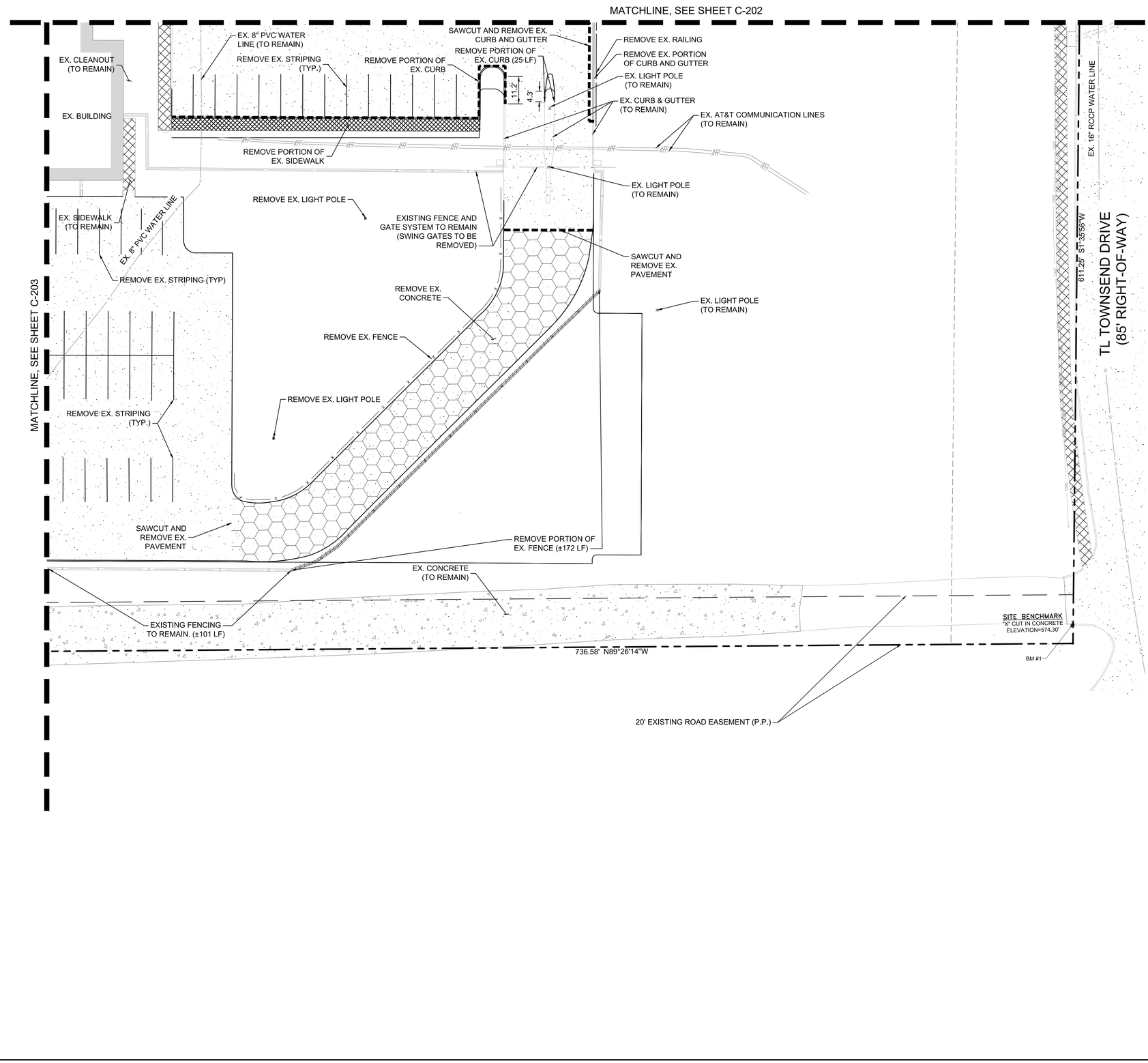

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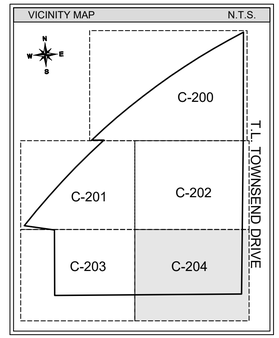

LEGEND	
PROPERTY LINE	
SAWCUT LINE	
EXISTING PAVEMENT TO BE REMOVED	
EXISTING SIDEWALK TO REMAIN	
EXISTING CONCRETE TO REMAIN	
EXISTING SIDEWALK TO BE REMOVED	
EXISTING WATER LINE	W W
EXISTING SANITARY SEWER LINE	SS SS
EXISTING STORM SEWER LINE	
EXISTING GAS LINE	GAS GAS
EXISTING OVERHEAD ELECTRIC	OHE OHE
EXISTING UNDERGROUND ELECTRIC LINE	UGE UGE
EXISTING INFRASTRUCTURE TO BE REMOVED	
EXISTING CHAIN LINK FENCE WITH RAZOR WIRE	x x x
EXISTING TREE TO BE REMOVED (SEE LANDSCAPE PLAN)	
EXISTING TREE TO BE PRESERVED (SEE LANDSCAPE PLAN)	

NOTES
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RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!

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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

DEMOLITION PLAN (5 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-204

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PLOTTED BY
PLOTTED
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NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

PROPERTY LINE	
SAWCUT LINE	
PROPOSED CURB	
EXISTING CONCRETE TO REMAIN	
LIGHT DUTY CONCRETE	
FIRE LANE / MEDIUM DUTY CONCRETE	
DRIVE APPROACH / HEAVY DUTY CONCRETE	
EXISTING SIDEWALK	
PROPOSED SIDEWALK (PROPOSED STRENGTH AND THICKNESS PER CITY STANDARD, 3,000 PSI (5.5 SACK / CY), #3 BARS AT 24" O.C.E.W.	

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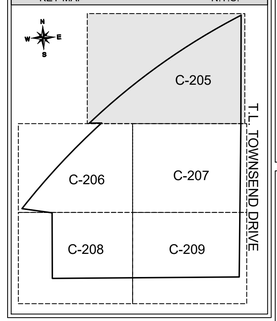
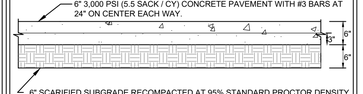
Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

KEY MAP N.T.S.

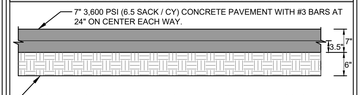


LIGHT DUTY PAVEMENT SECTION



NOTE:
PAVEMENT SECTIONS SHOWN FOR REFERENCE ONLY. SEE GEOTECH FOR DETAILS. ALL PARKING SHALL HAVE NO SAND UNDER PAVING.

FIRE LANE/MEDIUM DUTY PAVEMENT SECTION



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NOTES

1. * NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH THE RAILROAD.
2. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
3. ALL RADII ARE 2' UNLESS NOTED OTHERWISE.
4. TRAFFIC CONTROL PLAN TO BE SUBMITTED TO SENIOR CONSTRUCTION INSPECTOR, JAMES PALMER, JPALMER@ROCKWALL.COM FOR CLOSURE OF LANES ON T.L. TOWNSEND DRIVE. TRAFFIC CONTROL PLAN TO BE SIGNED AND SEALED BY LICENSED PROFESSIONAL ENGINEER. TWO LANES TO BE LEFT OPEN AT ALL TIMES.

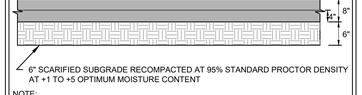
GEOTECH INFORMATION

REED ENGINEERING PROJECT NO. 22859

2424 STUTZ DRIVE, SUITE 400
DALLAS, TX 75235

214-350-5600

DRIVE APPROACH PAVEMENT SECTION



NOTE:
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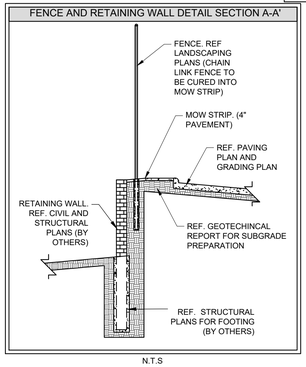
FENCE AND RETAINING WALL DETAIL SECTION A-A'



N.T.S

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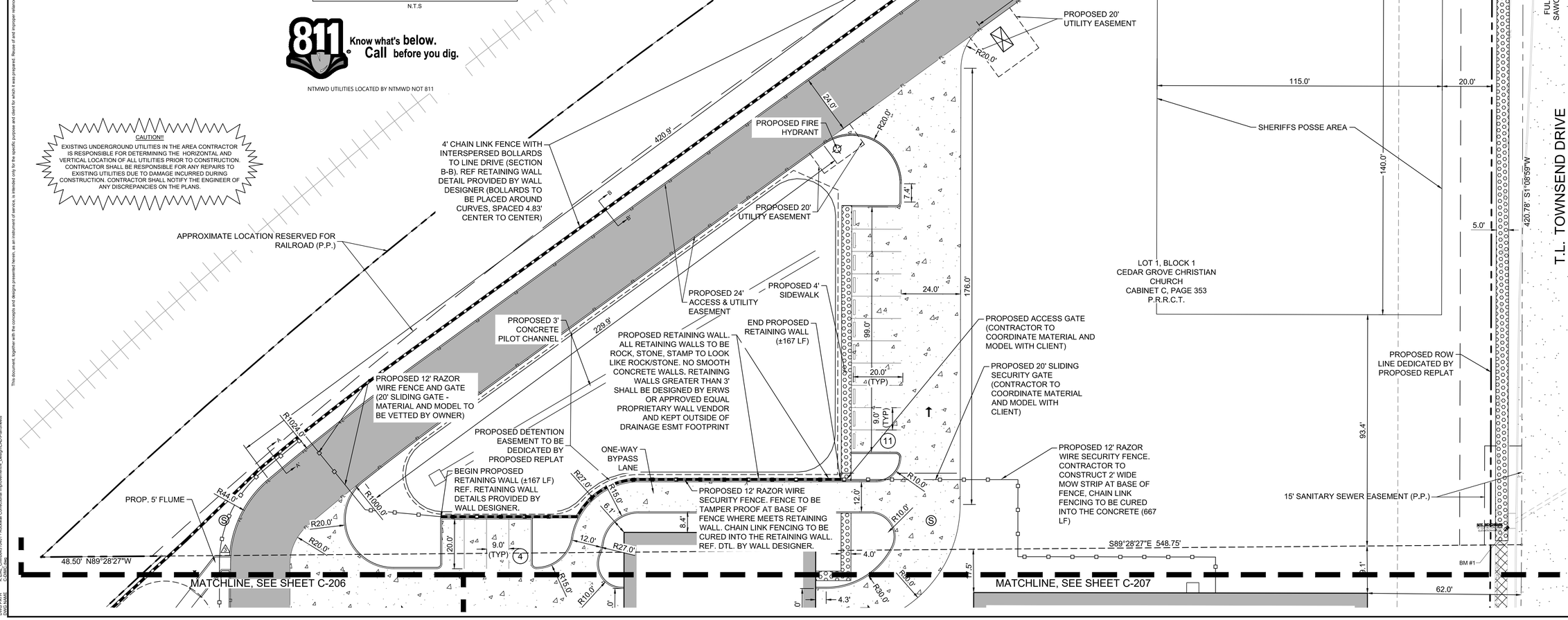

No.	REVISIONS	DATE	BY
1	ASI 002	09/25/2020	CBF
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKW

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

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
09.25.2020

KHA PROJECT	064510401
DATE	09/25/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

DIMENSION CONTROL AND PAVING PLAN (1 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-205

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PLOTTED BY
PLOT DATE
DWG NAME
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RECORD DRAWING

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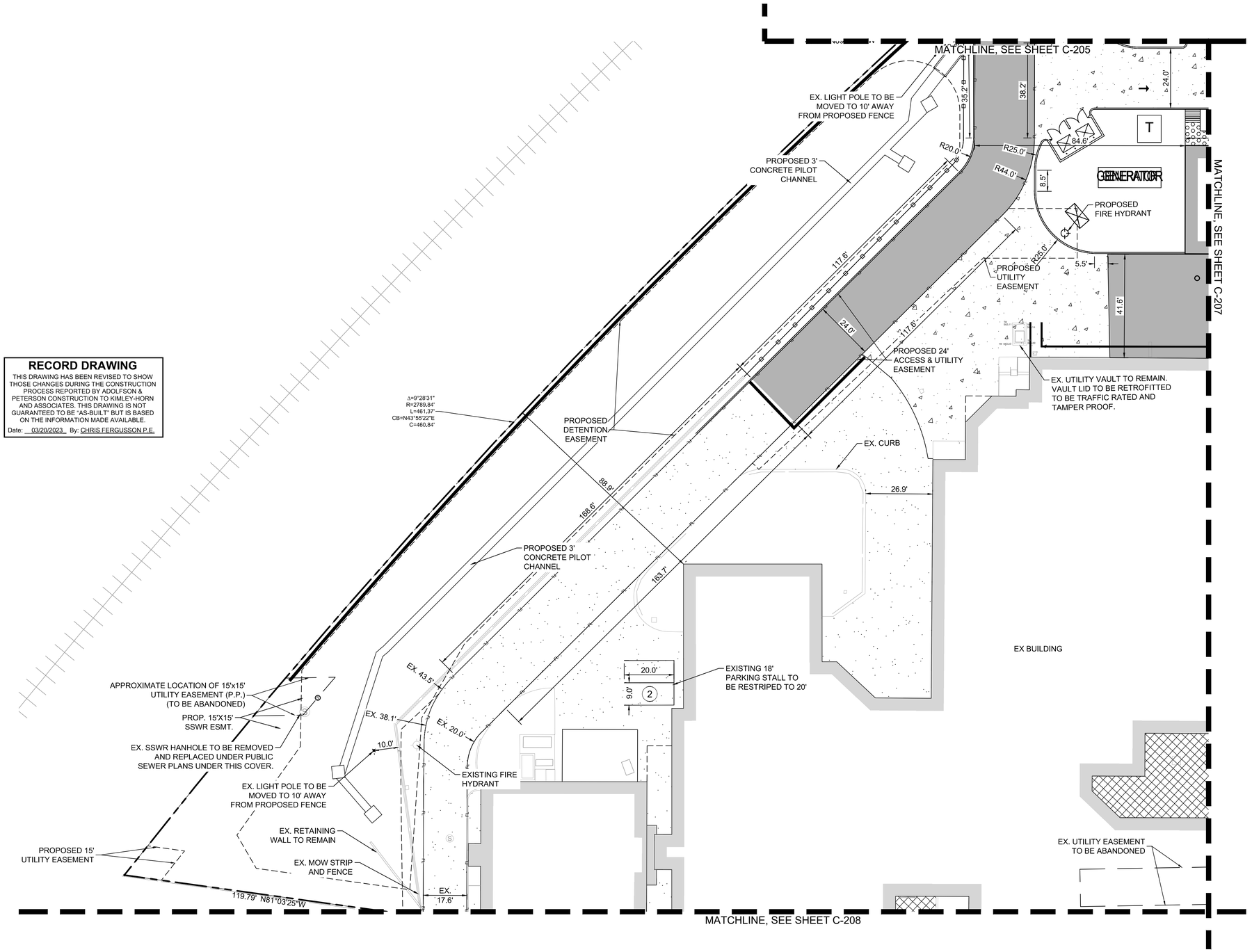
Date: 03/20/2023 By: CHRIS FERGUSSON P.E.



NOTES
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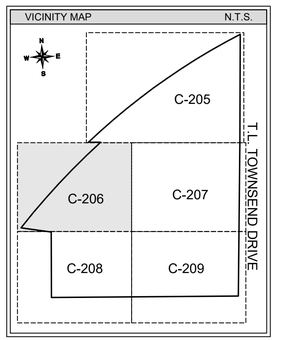
3. ALL RADII ARE 2' UNLESS NOTED OTHERWISE.

NORTH

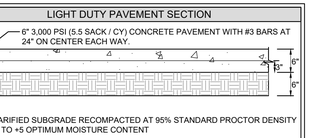
GRAPHIC SCALE IN FEET
0 10 20 40

VICINITY MAP N.T.S.



LEGEND	
PROPERTY LINE	
SAWCUT LINE	
PROPOSED CURB	
EXISTING CONCRETE TO REMAIN	
LIGHT DUTY CONCRETE	
FIRE LANE / MEDIUM DUTY CONCRETE	
EXISTING SIDEWALK	
PROPOSED SIDEWALK (PROPOSED STRENGTH AND THICKNESS PER CITY STANDARD, 3,000 PSI (5.5 SACK / CY), #3 BARS AT 24" O.C.E.W.	

LIGHT DUTY PAVEMENT SECTION



NOTE:
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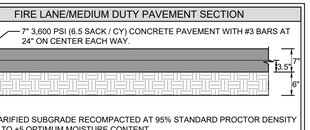
FIRE LANE/MEDIUM DUTY PAVEMENT SECTION



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GEOTECH INFORMATION	
REED ENGINEERING	PROJECT NO. 22859
2424 STUTZ DRIVE, SUITE 400 DALLAS, TX 75235	
214-350-5600	

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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

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WWW.KIMLEY-HORN.COM TX F-928
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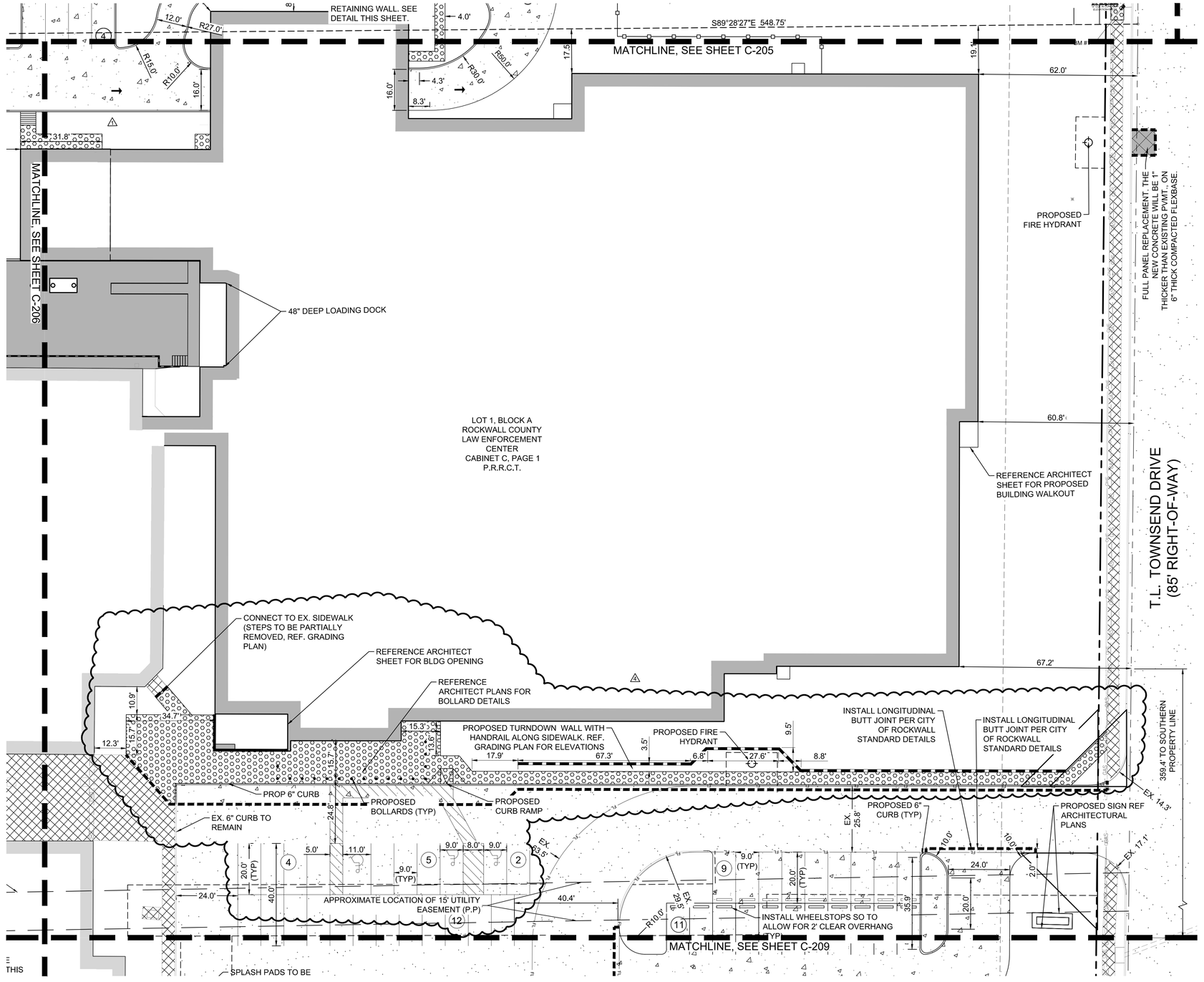
STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

DIMENSION CONTROL AND PAVING PLAN (2 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-206



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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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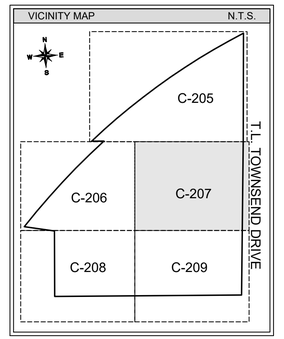
NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

VICINITY MAP N.T.S.



LEGEND	
PROPERTY LINE	
SAWCUT LINE	
PROPOSED CURB	
EXISTING CONCRETE TO REMAIN	
LIGHT DUTY CONCRETE	
FIRE LANE / MEDIUM DUTY CONCRETE	
EXISTING SIDEWALK	
PROPOSED SIDEWALK (PROPOSED STRENGTH AND THICKNESS PER CITY STANDARD, 3,000 PSI (5.5 SACK / CY), #3 BARS AT 24" O.C.E.W.	

LIGHT DUTY PAVEMENT SECTION

6" 3,000 PSI (5.5 SACK / CY) CONCRETE PAVEMENT WITH #3 BARS AT 24" ON CENTER EACH WAY.

6" SCARIFIED SUBGRADE RECOMPACTED AT 95% STANDARD PROCTOR DENSITY AT +1 TO +5 OPTIMUM MOISTURE CONTENT

NOTE:
PAVEMENT SECTIONS SHOWN FOR REFERENCE ONLY. SEE GEOTECH FOR DETAILS. ALL PARKING SHALL HAVE NO SAND UNDER PAVING.

FIRE LANE/MEDIUM DUTY PAVEMENT SECTION

7" 3,600 PSI (6.5 SACK / CY) CONCRETE PAVEMENT WITH #3 BARS AT 24" ON CENTER EACH WAY.

6" SCARIFIED SUBGRADE RECOMPACTED AT 95% STANDARD PROCTOR DENSITY AT +1 TO +5 OPTIMUM MOISTURE CONTENT

NOTE:
PAVEMENT SECTIONS SHOWN FOR REFERENCE ONLY. SEE GEOTECH FOR DETAILS. ALL PARKING SHALL HAVE NO SAND UNDER PAVING.

GEOTECH INFORMATION

REED ENGINEERING PROJECT NO. 22859

2424 STUTZ DRIVE, SUITE 400
DALLAS, TX 75235

214-350-5600

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!
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No.	REVISIONS	DATE	BY
2	ASI 002	09/25/2020	ABG
1	BID ADDENDUM 2	06/02/2020	ABG
0	BID ADDENDUM 1	02/07/2020	BKV

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13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
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PHONE: 972-770-1300 FAX: 972-239-3820
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
09-25-2020

KHA PROJECT 064510401
DATE 09/25/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

DIMENSION CONTROL AND PAVING PLAN (3 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-207

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IMAGES
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PLOTTED BY
PLOTTED
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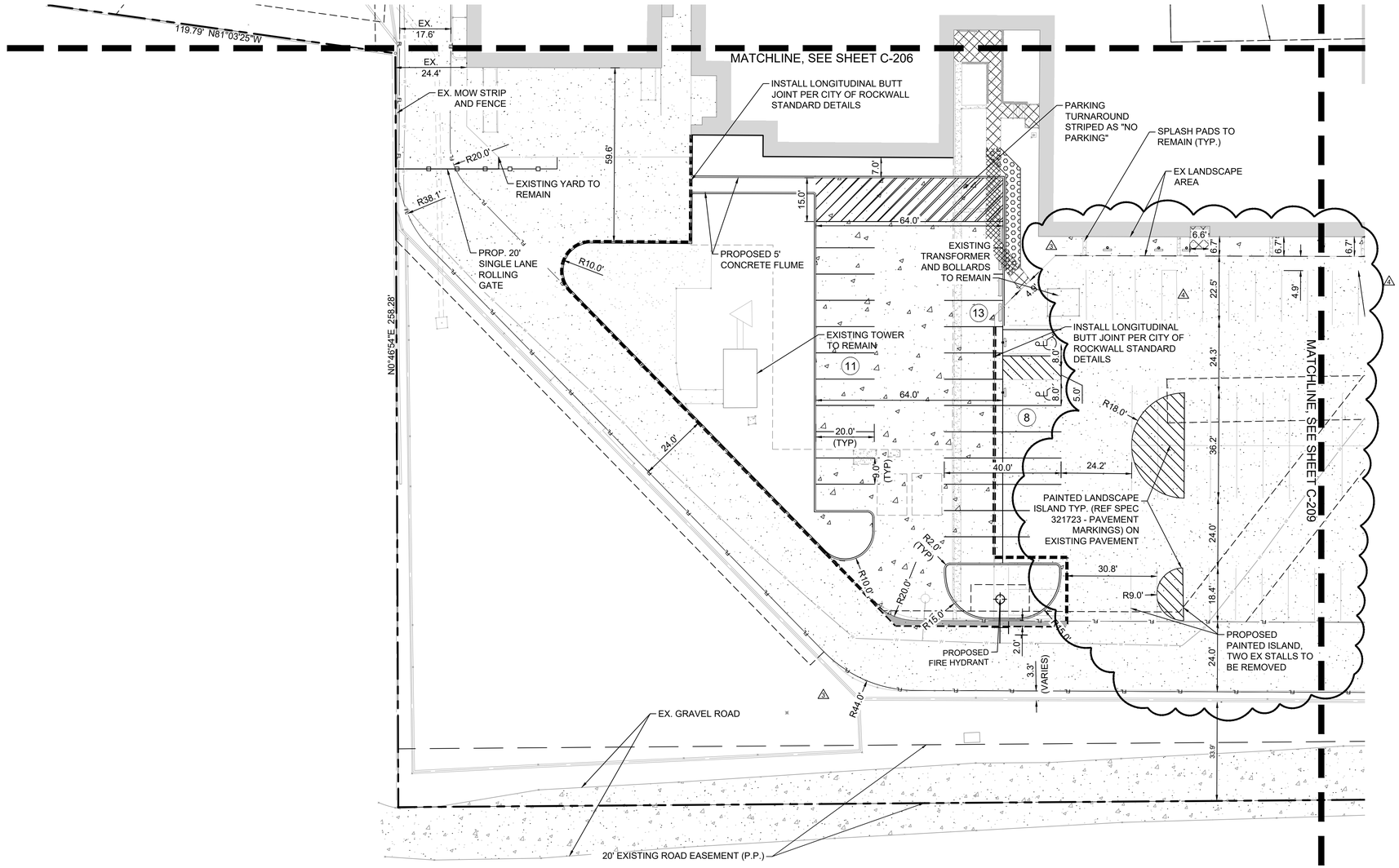

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GRAPHIC SCALE IN FEET
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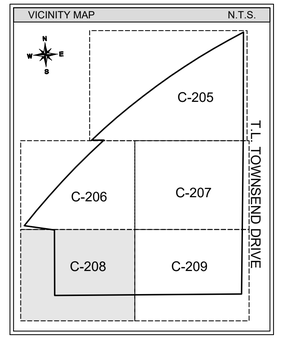
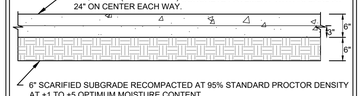
VICINITY MAP N.T.S.



LEGEND	
PROPERTY LINE	
SAWCUT LINE	
PROPOSED CURB	
EXISTING CONCRETE TO REMAIN	
LIGHT DUTY CONCRETE	
FIRE LANE / MEDIUM DUTY CONCRETE	
EXISTING SIDEWALK	
PROPOSED SIDEWALK (PROPOSED STRENGTH AND THICKNESS PER CITY STANDARD, 3,000 PSI (5.5 SACK / CY), #3 BARS AT 24" O.C.E.W.	

LIGHT DUTY PAVEMENT SECTION



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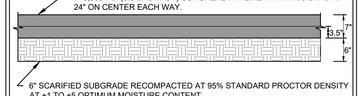
FIRE LANE/MEDIUM DUTY PAVEMENT SECTION



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GEOTECH INFORMATION	
REED ENGINEERING	PROJECT NO. 22859
2424 STUTZ DRIVE, SUITE 400 DALLAS, TX 75235	
214-350-5600	

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

NOTES
1. * NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH THE RAILROAD.
2. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
3. ALL RADII ARE 2' UNLESS NOTED OTHERWISE.

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No.	REVISIONS	DATE	BY
1	EX PARKING STRIPING TO REMAIN	10/17/2022	CBF
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKW

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
03/20/2023

KHA PROJECT 064510401
DATE 06/17/2021
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY NES

DIMENSION CONTROL AND PAVING PLAN (4 OF 5)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL TEXAS

SHEET NUMBER
C-208

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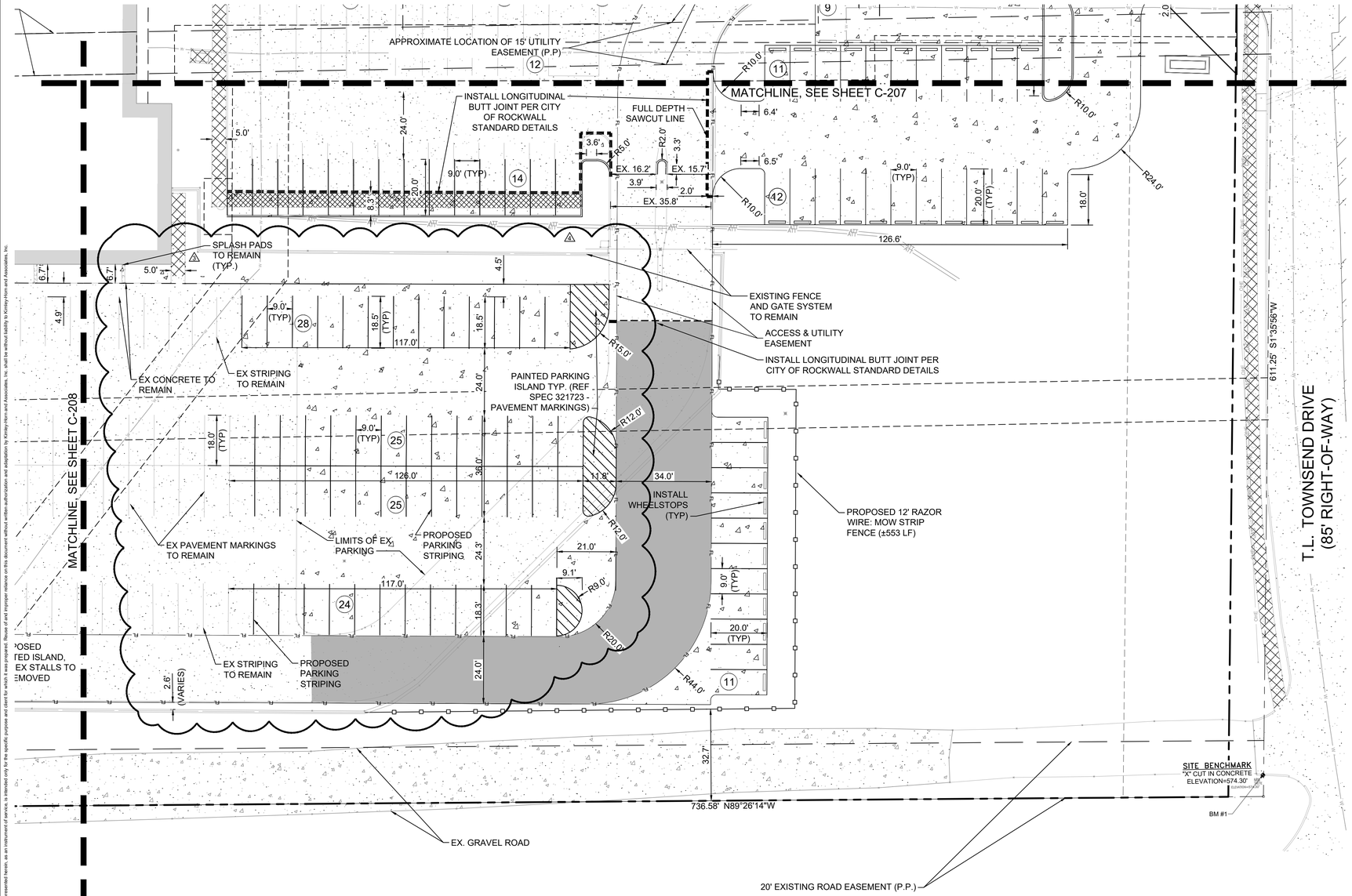
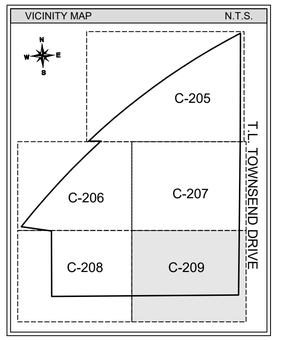
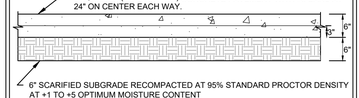




LEGEND	
PROPERTY LINE	
SAWCUT LINE	
PROPOSED CURB	
EXISTING CONCRETE TO REMAIN	
LIGHT DUTY CONCRETE	
FIRE LANE / MEDIUM DUTY CONCRETE	
EXISTING SIDEWALK	
PROPOSED SIDEWALK (PROPOSED STRENGTH AND THICKNESS PER CITY STANDARD, 3,000 PSI (5.5 SACK / CY), #3 BARS AT 24" O.C.E.W.	

LIGHT DUTY PAVEMENT SECTION



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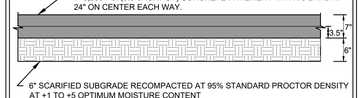
FIRE LANE/MEDIUM DUTY PAVEMENT SECTION



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214-350-5600	

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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No.	REVISIONS	DATE	BY
1	EX PARKING STRIPING TO REMAIN	10/17/2022	CBF
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKV

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED PROFESSIONAL ENGINEER
10/17/2022

KHA PROJECT 084510401
DATE 06/17/2021
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY NES

DIMENSION CONTROL AND PAVING PLAN (5 OF 5)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-209

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IMAGES USER'S

NORTH

GRAPHIC SCALE IN FEET
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NOTES

1. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO VERIFY A.D.A. COMPLIANCE. FOR ANY QUESTIONS CONTACT CIVIL ENGINEER IMMEDIATELY.
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5. MAXIMUM SLOPE IN TURF AREAS SHAL BE 4:1.
6. REFER TO LANDSCAPE PLANS FOR GRADING DETAILS IN LANDSCAPE AREAS.
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7. RETAINING WALLS 3' AND TALLER MUST BE ENGINEERED. PLANS MUST BE APPROVED BEFORE CONSTRUCTION.

LEGEND

PROPOSED CONTOURS	
EXISTING CONTOURS	
TOP OF PAVEMENT ELEVATION	506.50TP
DROP INLET THROAT ELEVATION	THROAT 506.50
TOP OF LANDSCAPE ELEVATION	506.50TL
MATCH EXISTING ELEVATION	506.50ME
TOP OF WALL ELEVATION BOTTOM OF WALL ELEVATION	596.00TW 596.00BW
DRAINAGE ARROW	
SWALE	
HIGH POINT	
GRADING LIMITS	

KEY MAP N.T.S.

RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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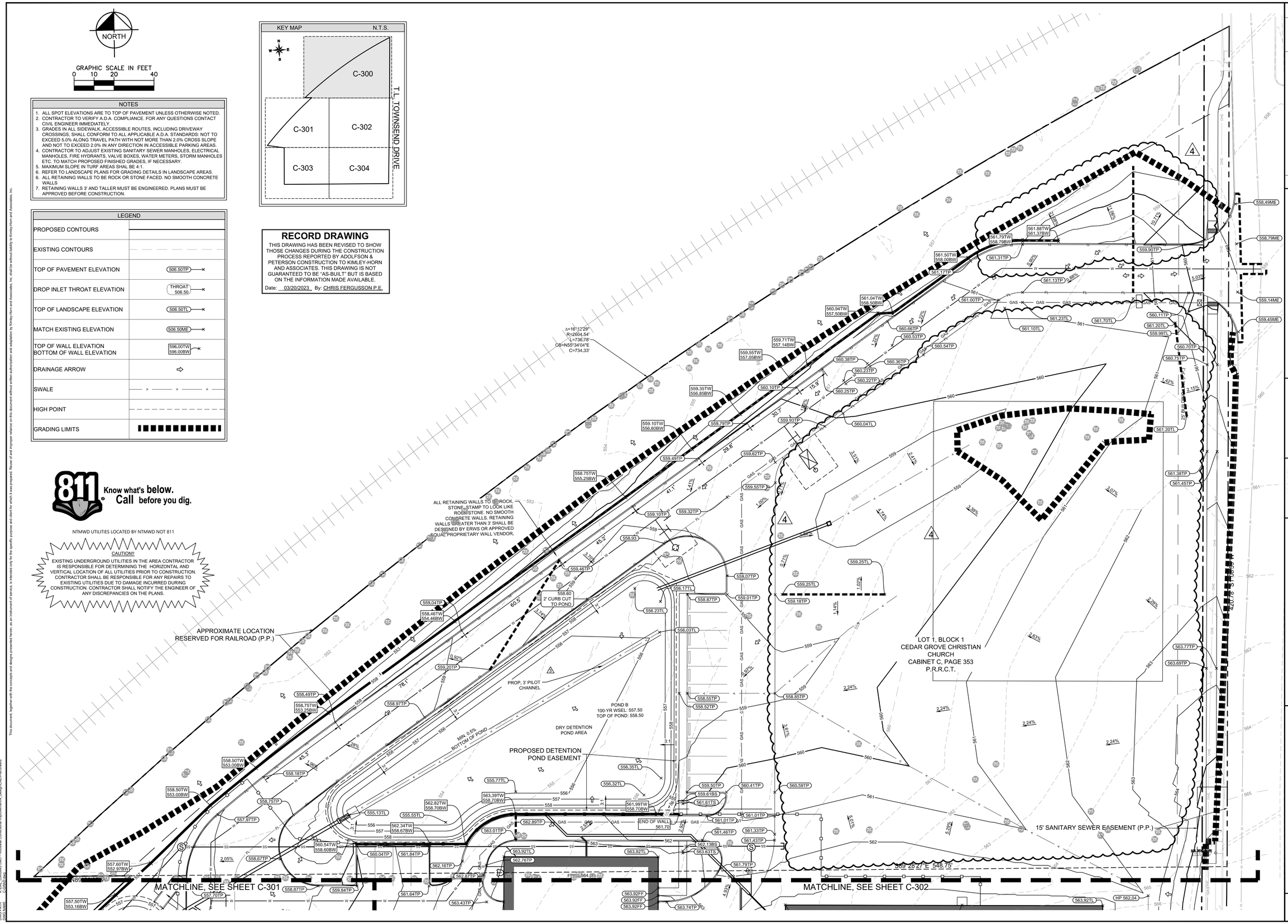

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No.	REVISIONS	DATE	BY
1	ASI 002	09/25/2020	CBF
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
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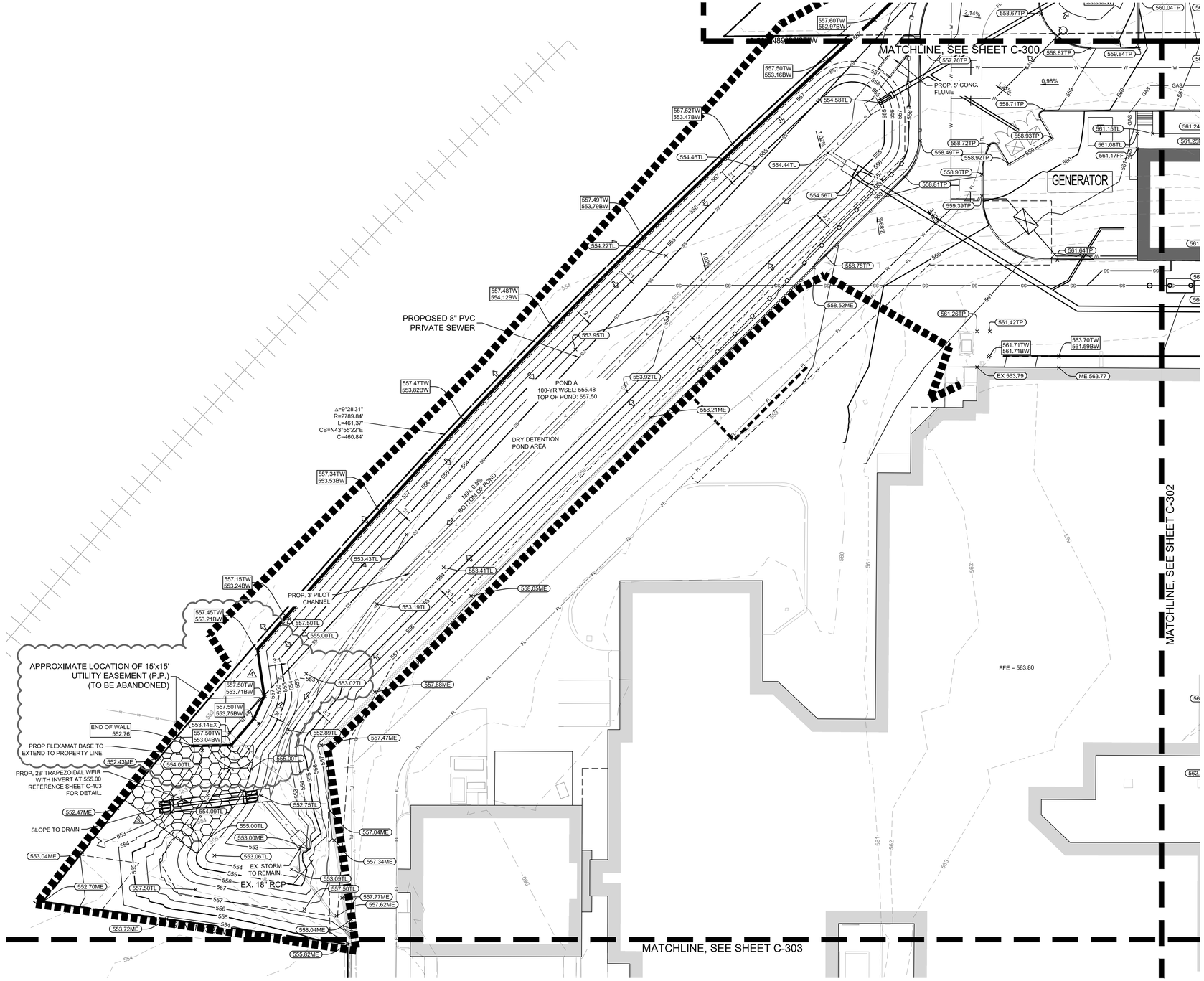
PROFESSIONAL ENGINEER
09.25.2020

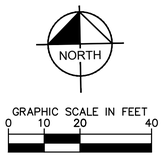
KHA PROJECT 064510401
DATE 09/25/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

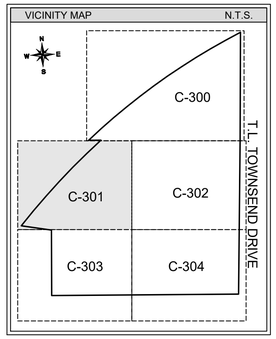
GRADING PLAN (1 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-300







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2. CONTRACTOR TO VERIFY A.D.A. COMPLIANCE. FOR ANY QUESTIONS CONTACT CIVIL ENGINEER IMMEDIATELY.
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EXISTING CONTOURS	
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DRAINAGE ARROW	
SWALE	
HIGH POINT	
GRADING LIMITS	

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No.	REVISIONS	DATE	BY
1	GRADING AT MANHOLE	11/10/2020	JMM
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKW

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KHA PROJECT 064510401
DATE 10/29/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY NES

GRADING PLAN (2 OF 5)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR ROCKWALL COUNTY
ROCKWALL TEXAS

SHEET NUMBER
C-301

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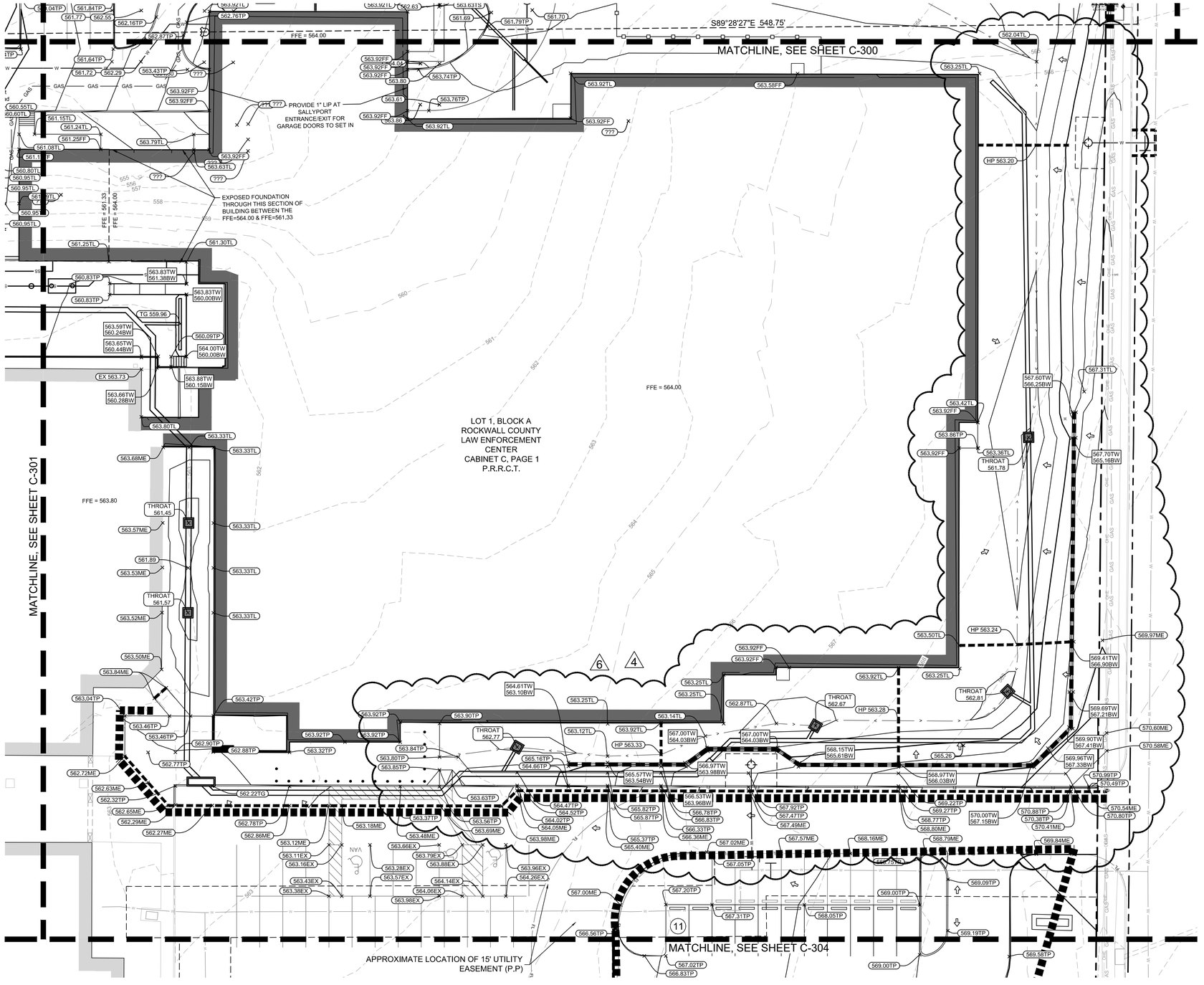

NORTH

GRAPHIC SCALE IN FEET
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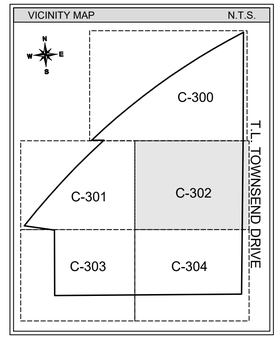
VICINITY MAP N.T.S.



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LEGEND

PROPOSED CONTOURS	
EXISTING CONTOURS	
TOP OF PAVEMENT ELEVATION	506.50TP
DROP INLET THROAT ELEVATION	THROAT 506.50
TOP OF LANDSCAPE ELEVATION	506.50TL
MATCH EXISTING ELEVATION	506.50ME
TOP OF WALL ELEVATION BOTTOM OF WALL ELEVATION	596.00TW 596.00BW
DRAINAGE ARROW	
SWALE	
HIGH POINT	
GRADING LIMITS	

RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!

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No.	REVISIONS	DATE	BY
1	RFI: FRONTAGE LA WALL	06/17/2021	ABG
2	RFI: CURB AND SIDEWALK REVISION	09/04/2020	ABG
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKW

Kimley»Horn
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SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
03/17/21

KHA PROJECT 064510401
DATE 06/17/2021
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY NES

GRADING PLAN (3 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-302

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PLOTTED BY FERGUSSON, CHRIS 6/17/2021 11:24 AM
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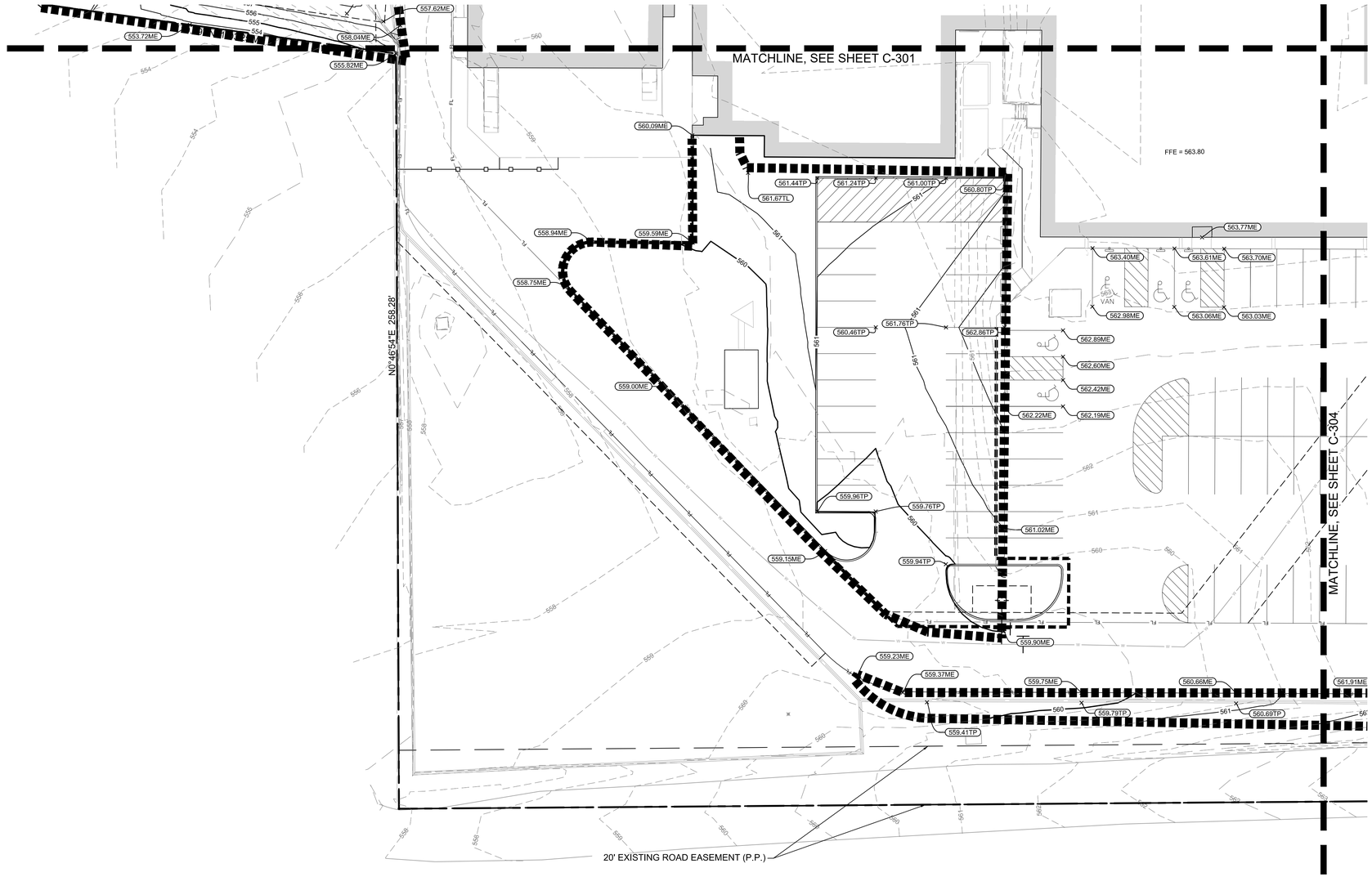
DWG NAME C:\Users\chris.fergusson\Kimley-Horn\Rockwall Jail Renovation and Expansion - Documents\Rockwall Improvement\4_Design\CAD\SiteSheets



NORTH

GRAPHIC SCALE IN FEET
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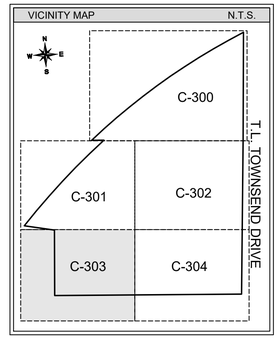
VICINITY MAP N.T.S.



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DRAINAGE ARROW	
SWALE	
HIGH POINT	
GRADING LIMITS	

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

GRADING PLAN (4 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-303

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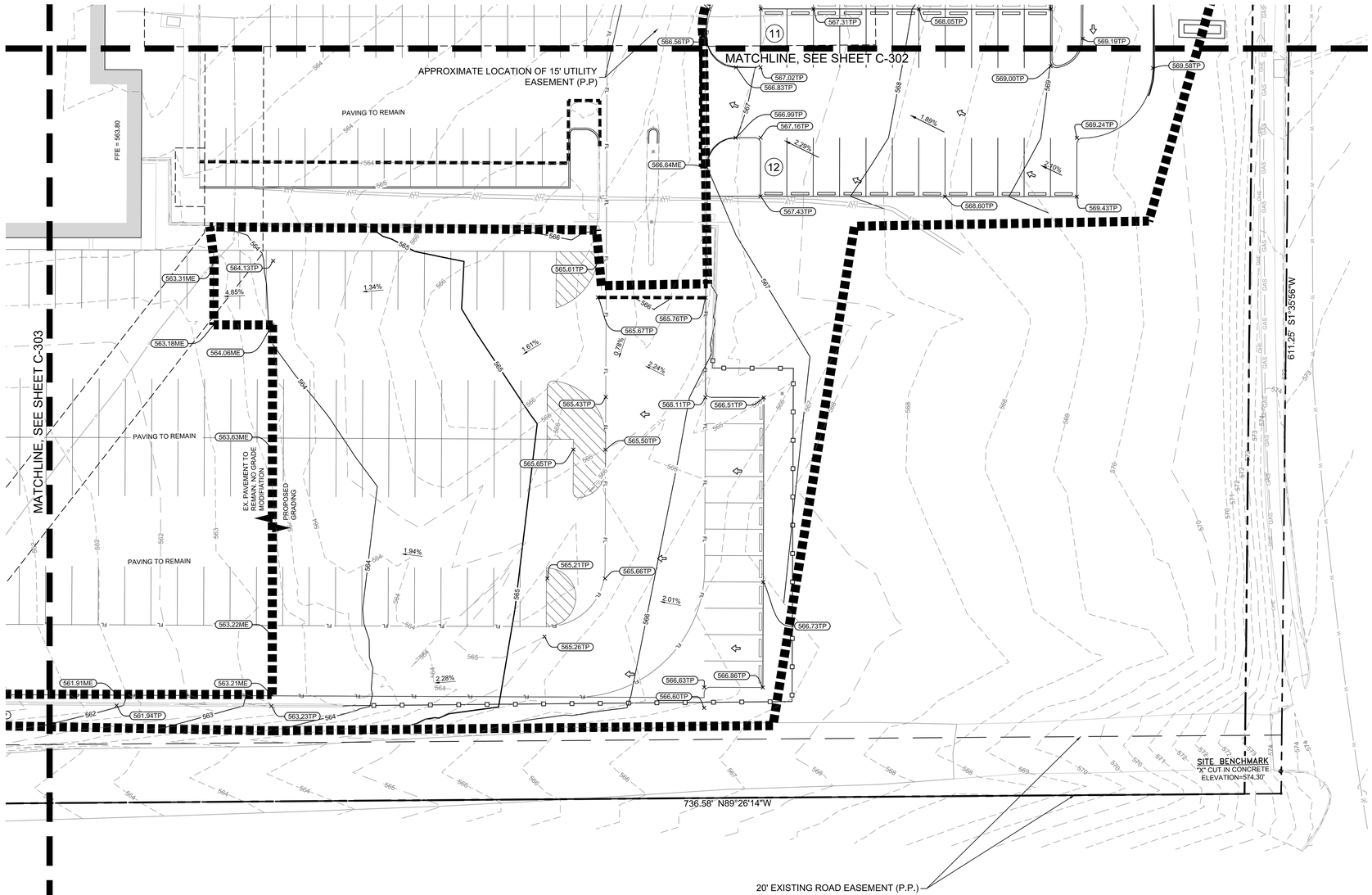

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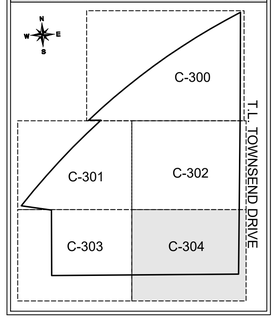
VICINITY MAP N.T.S.



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DRAINAGE ARROW	
SWALE	
HIGH POINT	
GRADING LIMITS	

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT	064519401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	CBF

GRADING PLAN (5 OF 5)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-304

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FERGUSSON, CHRIS
PLOT DATE
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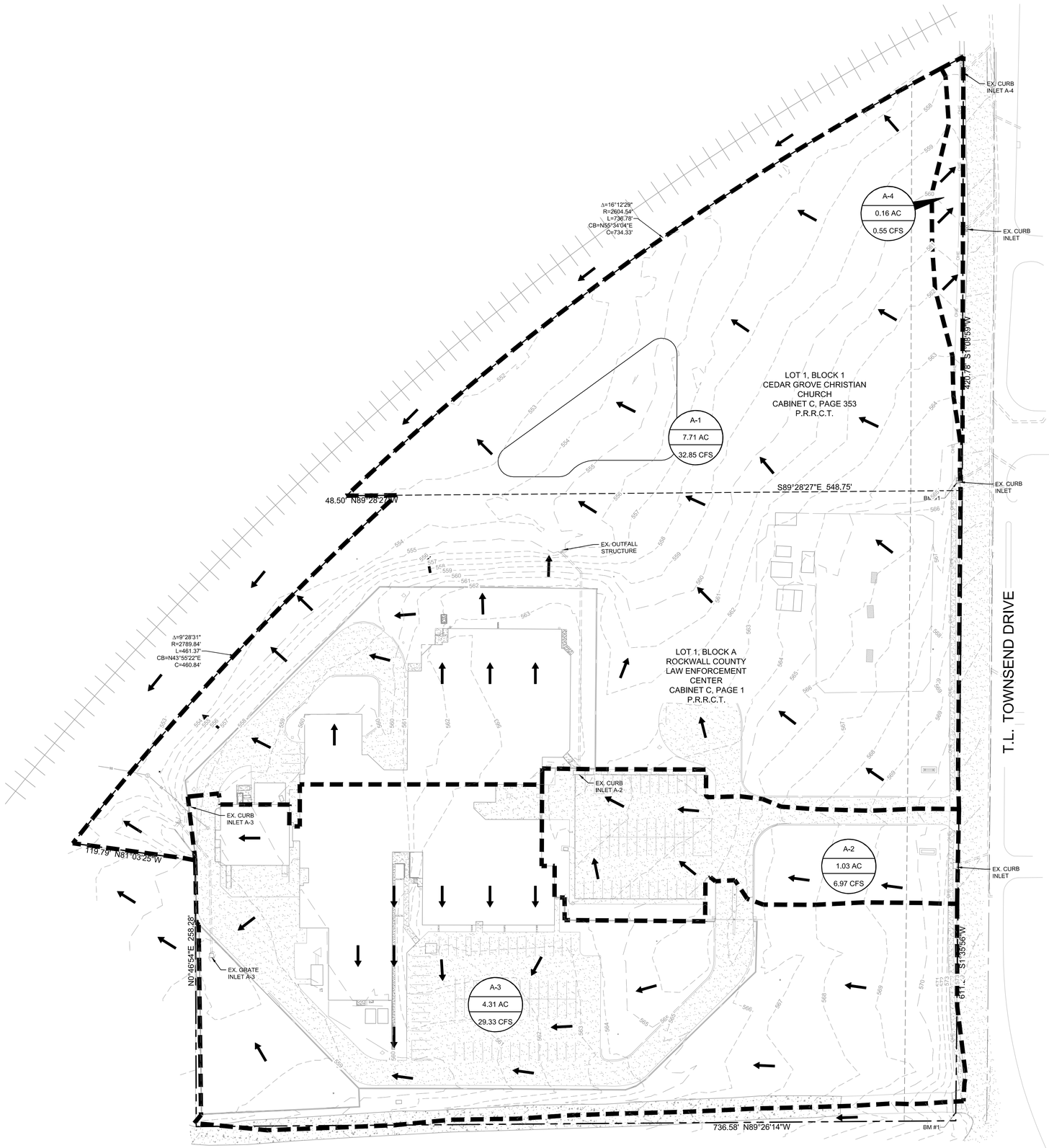

NORTH

GRAPHIC SCALE IN FEET
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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

DRAINAGE KEY	
5	DRAINAGE AREA DESIGNATION
1.56	AREA (ACRES)
12.26	RUNOFF Q (CFS)
	PROPOSED DRAINAGE AREA BOUNDARY

Q = C I A
Q = (100 YEAR PEAK DISCHARGE IN CFS)
C = (RATIONAL METHOD RUNOFF COEFFICIENT)
I = (RAINFALL INTENSITY, INCH/HOUR)
A = (DRAINAGE AREA IN ACRES)

DRAINAGE SUMMARY
PRE-DEVELOPMENT RUNOFF CALCULATIONS

Drainage Area	Area (Acres)	Runoff Coeff. "C"	Time of Conc. (Min)	I_{100} (IN/HR.)	Q_{100} (cfs)	COMMENTS
A-1	7.71	0.43	10	9.80	32.85	OFFSITE FLOW
A-2	1.03	0.69	10	9.80	6.97	EX. CURB INLET A-2
A-3	4.31	0.69	10	9.80	29.36	EX. GRATE INLET A-3 & EX. CI A-3
A-4	0.16	0.35	10	9.80	0.55	EX. CI A-4 (T.L. TOWNSEND DRIVE)

WEIGHTED C VALUES		
AREA	ACRES	C VALUE
AREA A-1		
IMPERVIOUS	1.19	0.9
OPEN SPACE	6.52	0.35
WEIGHTED C		0.43
AREA A-2		
IMPERVIOUS	0.64	0.9
OPEN SPACE	0.39	0.35
WEIGHTED C		0.69
AREA A-3		
IMPERVIOUS	2.70	0.9
OPEN SPACE	1.61	0.35
WEIGHTED C		0.69
AREA A-4		
IMPERVIOUS	0.00	0.9
OPEN SPACE	0.16	0.35
WEIGHTED C		0.35

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

EXISTING DRAINAGE AREA MAP

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-400

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C-EX DRAIN.dwg

DRAINAGE SUMMARY
POST-DEVELOPMENT RUNOFF CALCULATIONS

Drainage Area	Open Space Area (Acres)	Open Space Runoff Coeff. "C"	Impervious Cover Area (Acres)	Impervious Area Runoff Coeff. "C"	Total Area (Acres)	Weighted Runoff Coeff. "C"	Time of Conc. (Min)	I_{100} (IN/HR.)	Q_{100} (cfs)	COMMENTS
A-1.1	1.36	0.35	0.91	0.9	2.27	0.57	10	9.80	12.69	DETENTION POND B
A-1.2	0.00	0.35	0.46	0.9	0.46	0.90	10	9.80	4.02	DETENTION POND B VIA ROOF DRAINS
A-1.3	0.00	0.35	1.32	0.9	1.32	0.90	10	9.80	11.62	DETENTION POND A VIA ROOF DRAINS
A-2	0.22	0.35	0.88	0.9	1.10	0.79	10	9.80	8.49	EX. CURB INLET A-2
A-3.1	1.18	0.35	2.94	0.9	4.11	0.74	10	9.80	29.94	EX. GRATE INLET A-3
A-4	0.02	0.35	0.00	0.9	0.02	0.35	10	9.80	0.07	PROPOSED DROP INLET A-4
A-5	0.03	0.35	0.00	0.9	0.03	0.39	10	9.80	0.13	PROPOSED DROP INLET A-5
A-6	0.03	0.35	0.01	0.9	0.03	0.49	10	9.80	0.16	PROPOSED DROP INLET A-6
A-7	0.07	0.35	0.01	0.9	0.09	0.45	10	9.80	0.37	PROPOSED DROP INLET A-7
A-8	0.09	0.35	0.02	0.9	0.11	0.46	10	9.80	0.50	PROPOSED DROP INLET A-8
A-9	0.29	0.35	0.03	0.9	0.32	0.39	10	9.80	1.23	PROPOSED DROP INLET A-9
A-10	0.76	0.35	0.01	0.9	0.77	0.35	10	9.80	2.67	OFFSITE FLOW (BYPASS)
A-11	0.04	0.35	0.04	0.9	0.08	0.60	10	9.80	0.47	EX. CURB INLET A-4
A-12.1	0.09	0.35	1.23	0.9	1.32	0.86	10	9.80	11.17	DETENTION POND A
A-12.2	0.05	0.35	0.82	0.9	0.87	0.87	10	9.80	7.41	DETENTION POND A
A-12.3	0.03	0.35	0.31	0.9	0.34	0.85	10	9.80	2.80	PROPOSED CURB INLET A-2
TOTAL	4.26		8.97		13.23				93.74	

WEIGHTED C VALUES

AREA A-1.1		
AREA COVER	ACRES	C VALUE
IMPERVIOUS	0.91	0.9
OPEN SPACE	1.36	0.35
WEIGHTED C:		0.57

AREA A-1.2		
IMPERVIOUS	0.46	0.9
OPEN SPACE	0.00	0.35
WEIGHTED C:		0.90

AREA A-1.3		
IMPERVIOUS	1.32	0.9
OPEN SPACE	0.00	0.35
WEIGHTED C:		0.90

AREA A-2		
IMPERVIOUS	0.88	0.9
OPEN SPACE	0.22	0.35
WEIGHTED C:		0.79

AREA A-3.1		
IMPERVIOUS	2.94	0.9
OPEN SPACE	1.18	0.35
WEIGHTED C:		0.74

AREA A-4		
IMPERVIOUS	0.00	0.9
OPEN SPACE	0.02	0.35
WEIGHTED C:		0.35

AREA A-5		
AREA COVER	ACRES	C VALUE
IMPERVIOUS	0.00	0.9
OPEN SPACE	0.03	0.35
WEIGHTED C:		0.39

AREA A-6		
IMPERVIOUS	0.01	0.9
OPEN SPACE	0.03	0.35
WEIGHTED C:		0.49

AREA A-7		
IMPERVIOUS	0.01	0.9
OPEN SPACE	0.07	0.35
WEIGHTED C:		0.45

AREA A-8		
IMPERVIOUS	0.02	0.9
OPEN SPACE	0.09	0.35
WEIGHTED C:		0.46

AREA A-9		
IMPERVIOUS	0.03	0.9
OPEN SPACE	0.29	0.35
WEIGHTED C:		0.39

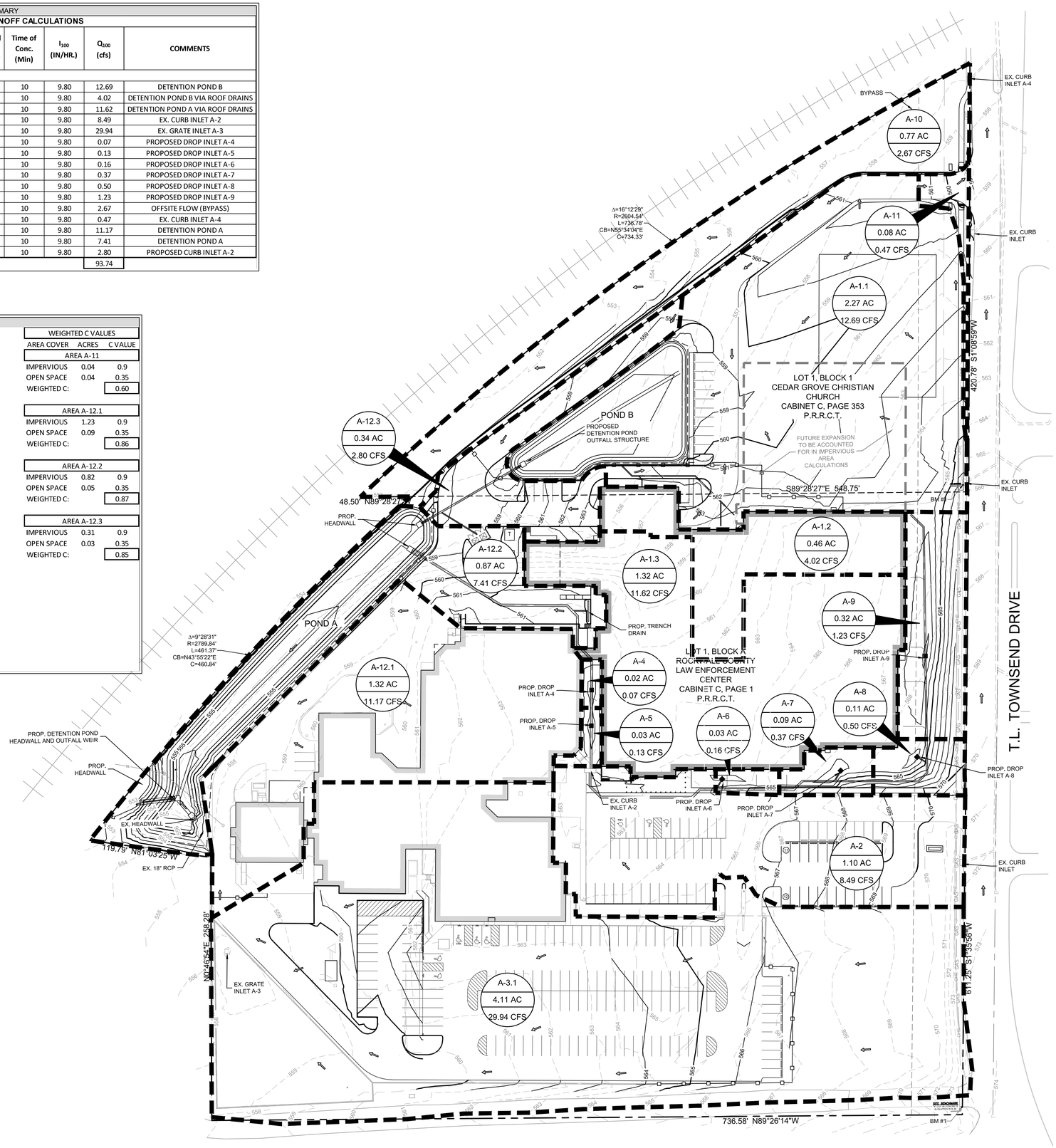
AREA A-10		
IMPERVIOUS	0.01	0.9
OPEN SPACE	0.76	0.35
WEIGHTED C:		0.35

AREA A-11		
IMPERVIOUS	0.04	0.9
OPEN SPACE	0.04	0.35
WEIGHTED C:		0.60

AREA A-12.1		
IMPERVIOUS	1.23	0.9
OPEN SPACE	0.09	0.35
WEIGHTED C:		0.86

AREA A-12.2		
IMPERVIOUS	0.82	0.9
OPEN SPACE	0.05	0.35
WEIGHTED C:		0.87

AREA A-12.3		
IMPERVIOUS	0.31	0.9
OPEN SPACE	0.03	0.35
WEIGHTED C:		0.85



DRAINAGE KEY

5 — DRAINAGE AREA DESIGNATION
1.56 — AREA (ACRES)
12.26 — RUNOFF Q (CFS)

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A = (DRAINAGE AREA IN ACRES)

RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!!
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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

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

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

PROPOSED DRAINAGE AREA MAP

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-401

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IMAGES
XREFS
LAYERS SAVED
PLOTTED BY
PLOT DATE
DWG NAME

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AABlush : xDmZy : XrS : xalx : xaslam : ; dr 30x42 : xstm : dp : xsent
06/02/2020 11:17:36 AM
FERGUSSON, CHRIS 7/13/2020 8:19 AM
P:\Projects\064510401 - Rockwall Combined Improvements\4_Design\CAD\Plan\Sheets
C-2312P (MAP).dwg

Allowable Release Summary

Condition	Drainage Areas	A (ac)	C	T_c (min)	I_5 (in/hr)	I_{10} (in/hr)	I_{25} (in/hr)	I_{100} (in/hr)	Q_5 (cfs)	Q_{10} (cfs)	Q_{25} (cfs)	Q_{100} (cfs)
Existing	A-1, A-2, A-3	13.05	0.54	10.0	6.10	7.10	8.30	9.80	42.70	49.70	58.10	68.60
Bypass	A-10	0.85	0.37	10.0	6.10	7.10	8.30	9.80	1.94	2.25	2.64	3.11
Proposed to Pond	A-1.1, A-1.2, A-1.3, A-2, A-3.1, A-3.2, A-4, A-5, A-6, A-7, A-8, A-9, A-12.1, A-12.2, A-12.3	12.39	0.75	10.0	6.10	7.10	8.30	9.80	56.34	65.58	76.66	90.52
Allowable Release									**40.76**	**47.45**	**55.46**	**65.49**

100-Year Detention Volume Calculations

Storm Duration (min)	I_{100} (in/hr)	Q_{100} (cfs)	$V_{100,\ INFLOW}$ (cu. ft.)	$V_{100,\ OUTFLOW}$ (cu. ft.)	$V_{100,\ MAX\ STORAGE}$ (cu. ft.)	$V_{100,\ MAX\ STORAGE}$ (ac-ft)
10	9.80	90.52	54,312	39,293	15,019	0.345
15	9.00	83.13	74,817	49,116	25,702	0.590
20	8.30	76.66	91,998	58,939	33,059	0.759
30	**6.90**	**63.73**	**114,720**	**78,585**	**36,135**	**0.830**
35	6.30	58.19	122,202	88,408	33,793	0.776
40	5.80	53.57	128,575	98,231	30,344	0.697
50	5.00	46.18	138,551	117,878	20,673	0.475
60	4.50	41.57	149,635	137,524	12,111	0.278
70	4.00	36.95	155,177	157,170	-1,993	-0.046
80	3.70	34.18	164,044	176,816	-12,773	-0.293
90	3.50	32.33	174,574	196,463	-21,889	-0.503
100	3.40	31.40	188,429	216,109	-27,680	-0.635
110	3.20	29.56	195,079	235,755	-40,676	-0.934

25-Year Detention Volume Calculations

Storm Duration (min)	I_{25} (in/hr)	Q_{25} (cfs)	$V_{25,\ INFLOW}$ (cu. ft.)	$V_{25,\ OUTFLOW}$ (cu. ft.)	$V_{25,\ MAX\ STORAGE}$ (cu. ft.)	$V_{25,\ MAX\ STORAGE}$ (ac-ft)
10	8.30	76.66	45,999	33,278	12,720	0.292
15	7.50	69.28	62,348	41,598	20,750	0.476
20	6.60	60.96	73,155	49,918	23,237	0.533
30	**5.50**	**50.80**	**91,443**	**66,557**	**24,887**	**0.571**
40	4.60	42.49	101,973	83,196	18,777	0.431
50	4.00	36.95	110,840	99,835	11,005	0.253
60	3.50	32.33	116,382	116,474	-92	-0.002
70	3.30	30.48	128,021	133,113	-5,093	-0.117
80	3.10	28.63	137,442	149,753	-12,310	-0.283
90	2.90	26.79	144,647	166,392	-21,745	-0.499
100	2.70	24.94	149,635	183,031	-33,396	-0.767
110	2.50	23.09	152,406	199,670	-47,265	-1.085

10-Year Detention Volume Calculations

Storm Duration (min)	I_{10} (in/hr)	Q_{10} (cfs)	$V_{10,\ INFLOW}$ (cu. ft.)	$V_{10,\ OUTFLOW}$ (cu. ft.)	$V_{10,\ MAX\ STORAGE}$ (cu. ft.)	$V_{10,\ MAX\ STORAGE}$ (ac-ft)
10	7.10	65.58	39,348	28,467	10,881	0.250
15	6.50	60.04	54,035	35,584	18,451	0.424
20	**5.90**	**54.50**	**65,396**	**42,701**	**22,695**	**0.521**
30	4.80	44.34	79,805	56,934	22,871	0.525
40	4.00	36.95	88,672	71,168	17,505	0.402
50	3.50	32.33	96,985	85,401	11,584	0.266
60	3.00	27.71	99,756	99,635	122	0.003
70	2.80	25.86	108,624	113,868	-5,245	-0.120
80	2.60	24.02	115,274	128,102	-12,828	-0.294
90	2.50	23.09	124,695	142,335	-17,640	-0.405
100	2.40	22.17	133,008	156,569	-23,560	-0.541
110	2.30	21.24	140,213	170,802	-30,589	-0.702

5-Year Detention Volume Calculations

Storm Duration (min)	I_5 (in/hr)	Q_5 (cfs)	$V_{5,\ INFLOW}$ (cu. ft.)	$V_{5,\ OUTFLOW}$ (cu. ft.)	$V_{5,\ MAX\ STORAGE}$ (cu. ft.)	$V_{5,\ MAX\ STORAGE}$ (ac-ft)
10	6.10	56.34	33,806	24,458	9,349	0.215
15	5.50	50.80	45,722	30,572	15,150	0.348
20	4.90	45.26	54,312	36,686	17,625	0.405
30	**4.10**	**37.87**	**68,167**	**48,915**	**19,252**	**0.442**
40	3.40	31.40	75,371	61,144	14,228	0.327
50	2.80	25.86	77,588	73,373	4,216	0.097
60	2.60	24.02	86,456	85,602	854	0.020
70	2.40	22.17	93,106	97,830	-4,724	-0.108
80	2.30	21.24	101,973	110,059	-8,086	-0.186
90	2.10	19.40	104,744	122,288	-17,544	-0.403
100	1.90	17.55	105,298	134,517	-29,218	-0.671
110	1.80	16.63	109,732	146,746	-37,014	-0.850

Storm Event	$Q_{allowable}$	Q_{actual}	$V_{required}$	$V_{provided}$	$WSEL_{Pond\ A}$	$WSEL_{Pond\ B}$
5-Year	40.76	36.92	0.442	0.556	555.19	556.69
10-Year	47.45	44.64	0.525	0.641	555.30	556.91
25-Year	55.46	53.42	0.571	0.736	555.39	557.17
100-Year	65.49	63.53	0.830	0.855	555.50	557.50

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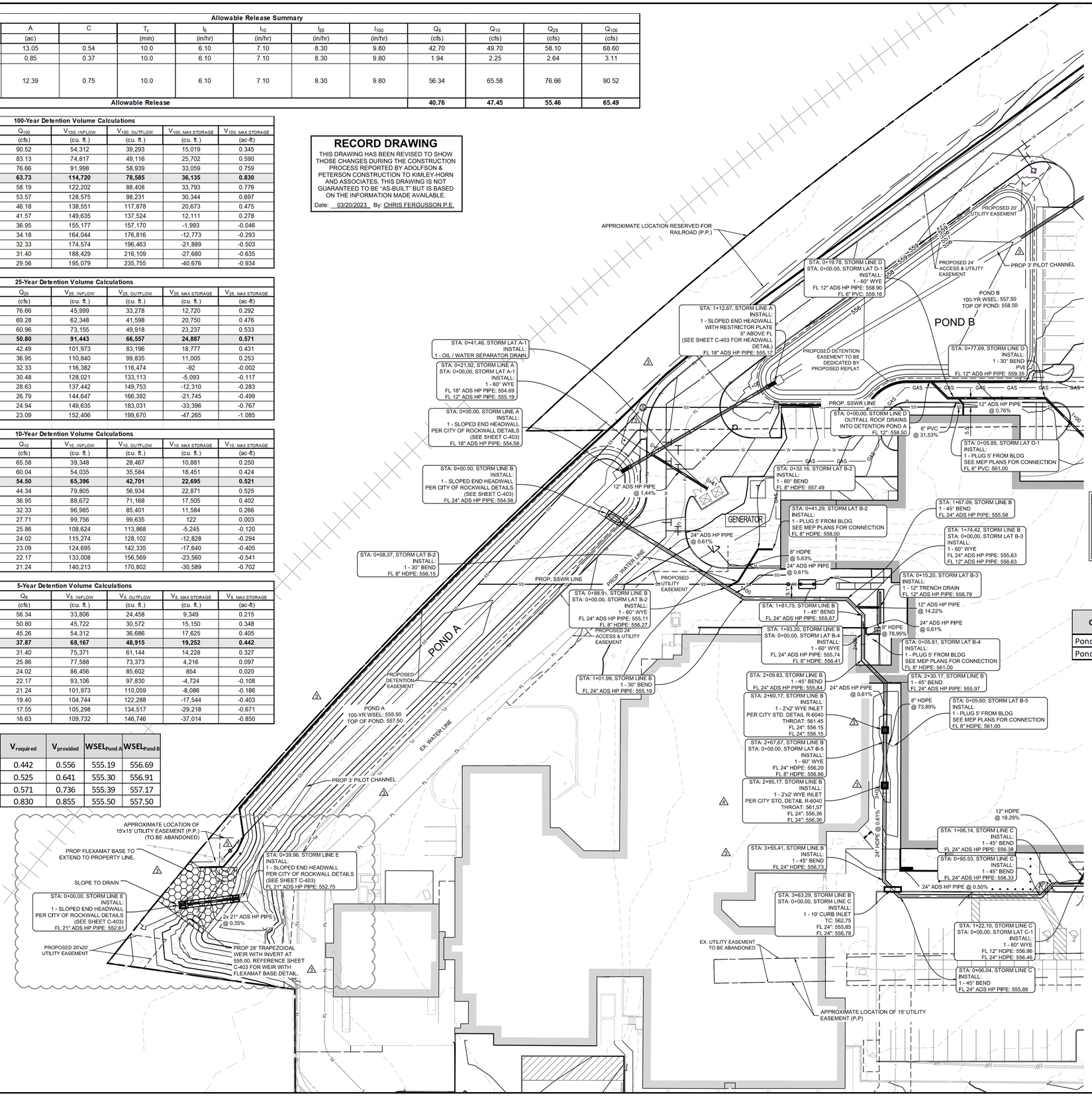

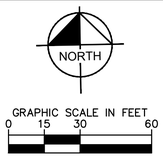

GRAPHIC SCALE IN FEET
0 15 30 60

NOTES

1. REFER TO SHEET C-002 FOR GENERAL NOTES.
2. REFER TO THE CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS FOR STORM SEWER STRUCTURES AND EMBEDMENT.
3. USE 4' JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100'.
4. REFER TO MEP PLANS FOR STORM LINES WITHIN 5' AND UNDERNEATH BUILDING.
5. ALL STORM SEWER PIPES 18" AND ABOVE SHALL BE CLASS III RCP. ALL STORM SEWER PIPES SMALLER THAN 18" SHALL BE CONSIDERED PRIVATE LINES, AND WILL BE PVC OR HDPE.
6. ALL STORM SEWER INTERSECTIONS WITH SANITARY SEWER AND WATER ARE SHOWN ON PROFILES.
7. ALL STORM PIPE WITHIN THE PROPERTY LINE SHALL BE CONSIDERED PRIVATE.

LEGEND

PROPERTY LINE	
PROPOSED WATER	W W
EXISTING WATER	W W
PROPOSED SANITARY SEWER	SS SS
EXISTING SANITARY SEWER	SS SS
PROPOSED STORM SEWER	
EXISTING STORM SEWER	
PROPOSED UNDERGROUND ELECTRIC LINE	UE UE
EXISTING UNDERGROUND ELECTRIC LINE	UE UE
PROPOSED NATURAL GAS LINE	GAS GAS
EXISTING NATURAL GAS LINE	GAS GAS
PROPOSED WATER VALVE	
EXISTING WATER VALVE	
PROPOSED FIRE HYDRANT	
EXISTING FIRE HYDRANT	
PROPOSED WATER METER	
EXISTING WATER METER	
PROPOSED SANITARY SEWER CLEANOUT	
EXISTING SANITARY SEWER CLEANOUT	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	

NOTES

NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH RAILROAD.

PROPOSED PONDS MODELED USING PONDPACK v8i.

REFERENCE SHEET FOR OUTFALL STRUCTURE DETAILS.

ALL STORM LINES ARE PRIVATE UNLESS NOTED OTHERWISE.

IMPERVIOUS COVER	
Existing Impervious Cover (AC)	4.07
Proposed Ipmervious Cover (AC)	7.51
New Impervious Cover (AC)	3.44

Outfall	Structure
Pond B Outfall	18" RCP with restrictor plate 5" above flowline
Pond A Outfall	2-21" Pipes with 28' Trapezoidal Weir with invert at 555.00'

Pond A

Elevation	Area (sf)	Area (ac)	Cumulative Volume (cu-ft)	Cumulative Volume (ac-ft)
552.75	0.00	0.00	0.00	0.00
553.00	1,019.23	0.02	509.62	0.01
554.00	6,219.87	0.14	4,129.17	0.09
555.00	11,913.95	0.27	13,196.08	0.30
556.00	14,530.98	0.33	26,418.54	0.61
557.00	17,278.47	0.40	42,323.27	0.97

Pond B

Elevation	Area (sf)	Area (ac)	Cumulative Volume (cu-ft)	Cumulative Volume (ac-ft)
555.00	0.00	0.00	0.00	0.00
556.00	5,948.94	0.14	2,974.47	0.07
557.00	9,348.21	0.21	10,623.05	0.24
558.00	10,758.41	0.25	20,676.36	0.47
559.00	12,224.47	0.28	32,167.80	0.74

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

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1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG
3	CITY AND V.E. COMMENTS	06/25/2020	CBF
4	RFI: CURB, SIDEWALK, & STORM REVISION	09/10/2020	CBF
5	GRADING REVISION AT SSWR MANHOLE	11/10/2020	JMM

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
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KHA PROJECT 064510401
DATE 10/29/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY NES

STORM SEWER PLAN

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-402

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IMAGES
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PLOT DATE
DWG NAME
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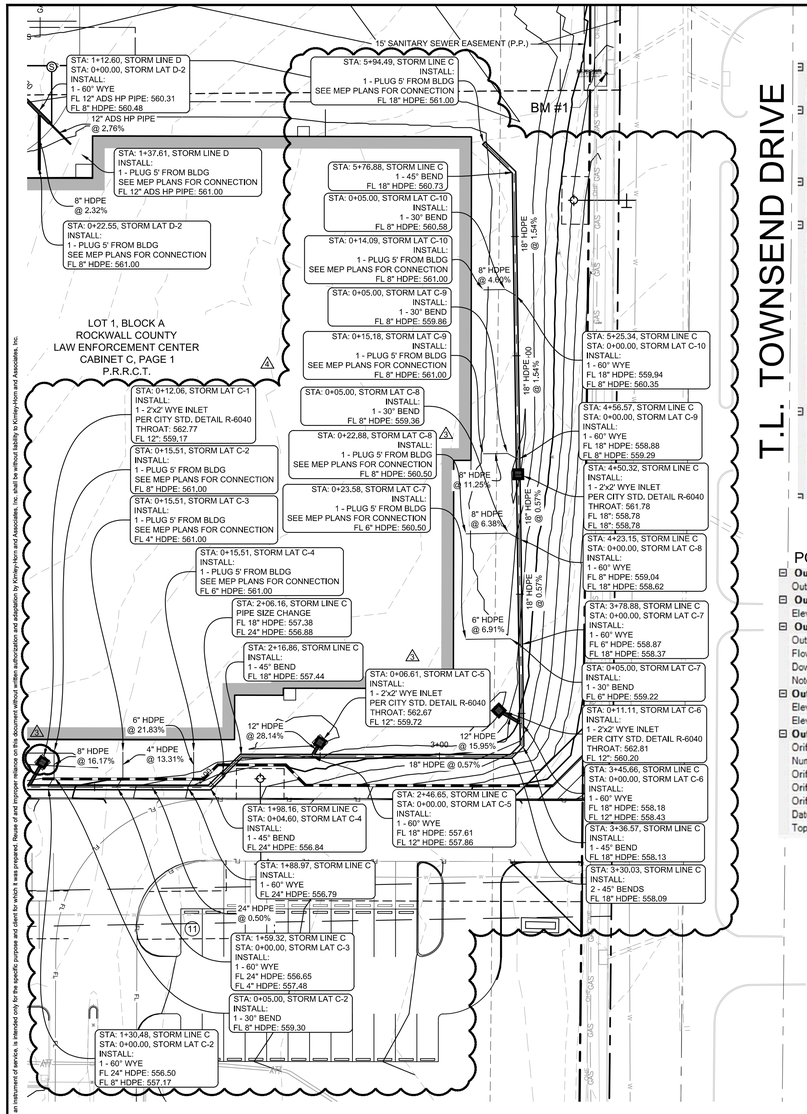

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POND A OUTFALL (CULVERT)

Outlet Structure	
Outlet Structure Type	Culvert
Culvert Type	Circular
Outlet Structure (IDs and Direction)	
Outlet ID	Culvert - 1
Flow Direction	Forward and Reverse Flow
Downstream ID	Tailwater
Notes	
Culvert (Advanced)	
Convergence Tolerance (ft)	0.00
Specify Number of Backwate	False
Culvert Coefficients	
Inlet Description	Concrete - Groove end projecting
Chart	Chart 1
Nomograph	Nomograph 3
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
Manning's n	0.013
Ke	0.40000
Kr	0.00000
Slope Correction Factor	-0.50000
Culvert Data	
Number of Barrels	2
Length (ft)	41.45
Upstream Invert (ft)	552.75
Downstream Invert (ft)	552.48
Diameter (in)	21.0
Outlet Structure (Advanced)	

POND B OUTFALL STRUCTURE

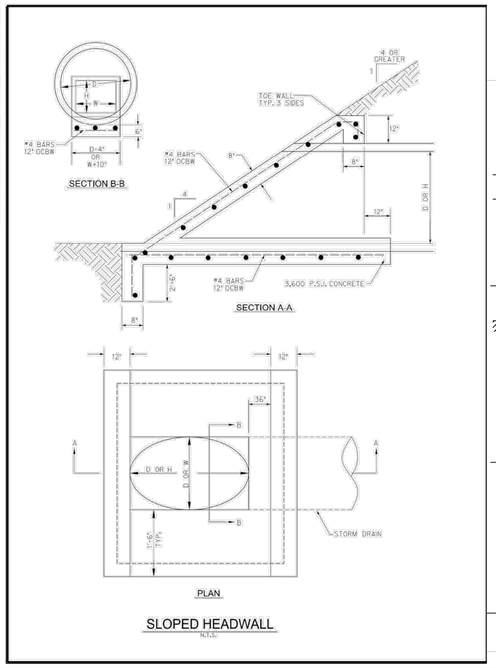
Outlet Structure	
Outlet Structure Type	Orifice
Outlet Structure (Common)	
Elevation (ft)	555.00
Outlet Structure (IDs and Direction)	
Outlet ID	Culvert - 1
Flow Direction	Forward and Reverse Flow
Downstream ID	Tailwater
Notes	
Outlet Structure (Advanced)	
Elevation (On) (ft)	0.00
Elevation (Off) (ft)	0.00
Outlet Structure (Orifice)	
Orifice	Area Orifice
Number of Openings	1
Orifice Coefficient	0.60000
Orifice Area (ft²)	0.4
Orifice Orientation	Perpendicular Orifice
Datum Elevation (ft)	555.00
Top Elevation (ft)	555.42

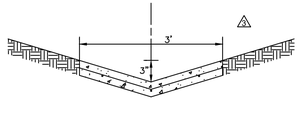
Pond A Outfall Rating Table (Culvert + Weir)	
Water Surface Elevation (ft)	Flow (ft³/s)
552.75	0.00
553.00	0.46
553.25	1.77
553.50	3.84
553.75	6.57
554.00	9.81
554.25	13.45
554.50	17.38
554.75	21.46
555.00	25.82
555.25	40.31
555.50	63.62
555.75	93.43
556.00	129.53
556.25	171.54
556.50	219.17
556.75	272.39
557.00	331.14
557.25	395.44
557.50	465.22

Pond A Outfall Rating Table (Weir)	
Water Surface Elevation (ft)	Flow (ft³/s)
552.75	0.00
553.00	0.00
553.25	0.00
553.50	0.00
553.75	0.00
554.00	0.00
554.25	0.00
554.50	0.00
554.75	0.00
555.00	0.00
555.25	10.77
555.50	31.20
555.75	58.69
556.00	92.49
556.25	132.22
556.50	177.70
556.75	228.84
557.00	285.59
557.25	347.94
557.50	415.89

Pond A Outfall Rating Table (Culvert)	
Water Surface Elevation (ft)	Flow (ft³/s)
552.75	0.00
553.00	0.46
553.25	1.77
553.50	3.84
553.75	6.57
554.00	9.81
554.25	13.45
554.50	17.38
554.75	21.46
555.00	25.82
555.25	29.55
555.50	32.42
555.75	34.74
556.00	37.05
556.25	39.32
556.50	41.47
556.75	43.55
557.00	45.55
557.25	47.51
557.50	49.32

Pond B Outfall Rating Table (At Peak Tailwater =555.50)	
Water Surface Elevation (ft)	Flow (ft³/s)
555.00	-1.50
555.50	0.00
556.00	1.36
556.50	1.97
557.00	2.43
557.50	2.82
558.00	3.16
558.50	3.47



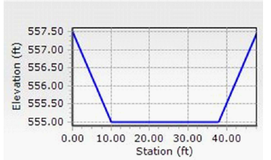


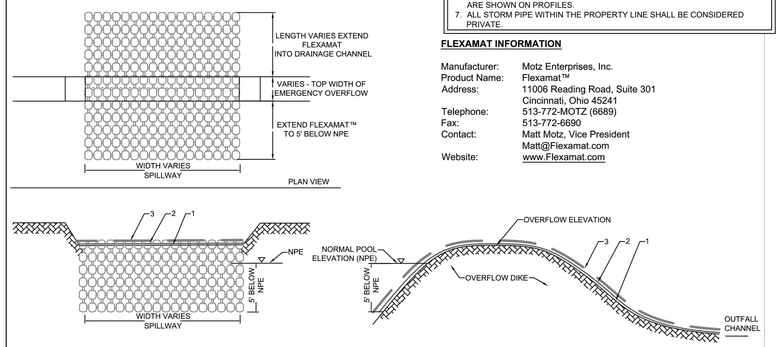
POND A OUTFALL (WEIR)

Outlet Structure	
Outlet Structure Type	Weir
Outlet Structure (Common)	
Elevation (ft)	0.00
Outlet Structure (IDs and Direction)	
Outlet ID	Weir - 1
Flow Direction	Forward and Reverse Flow
Downstream ID	Tailwater
Notes	
Outlet Structure (Weir)	
Weir	Irregular Weir
Vary Coefficient with Depth	False
Weir Coefficient ((ft^0.5)/s)	3.00
Irregular Weir Cross-section	<Collection: 4 items>

POND A WEIR CROSS-SECTION

	Station (ft)	Elevation (ft)
1	0.00	557.50
2	10.00	555.00
3	38.00	555.00
4	48.00	557.50
*		

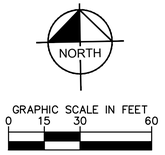




NOTES

1. GRADE THE SPILLWAY SO THAT WATER FLOW WILL BE CONTAINED WITHIN THE SPILLWAY. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS WITH NO SHARP OR ABRUPT BREAKS IN THE GRADE.
2. APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
3. INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 5.5', 8', 10', 12, & 16', OF CUSTOM LENGTHS. WHEN POSSIBLE, MAT SHALL BE THE FULL WIDTH OF THE SPILLWAY. MATS MAY BE INSTALLED ADJACENT TO ONE ANOTHER FOR WIDER APPLICATIONS. CONSULT MANUFACTURER FOR RECOMMENDATIONS.
4. MAT SHALL EXTEND 5' BELOW NORMAL POND ELEVATION AND THE LENGTH OF THE SPILLWAY.

FLEXAMAT™ SPILLWAY
PLAN AND PROFILE DETAIL



LEGEND	
PROPERTY LINE	
PROPOSED WATER	W W
EXISTING WATER	W W
PROPOSED SANITARY SEWER	SS SS
EXISTING SANITARY SEWER	SS SS
PROPOSED STORM SEWER	
EXISTING STORM SEWER	
PROPOSED UNDERGROUND ELECTRIC LINE	UE UE
EXISTING UNDERGROUND ELECTRIC LINE	UE UE
PROPOSED NATURAL GAS LINE	GAS GAS
EXISTING NATURAL GAS LINE	GAS GAS
PROPOSED WATER VALVE	
EXISTING WATER VALVE	
PROPOSED FIRE HYDRANT	
EXISTING FIRE HYDRANT	
PROPOSED WATER METER	
EXISTING WATER METER	
PROPOSED SANITARY SEWER CLEANOUT	
EXISTING SANITARY SEWER CLEANOUT	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	

NOTES

1. REFER TO SHEET C-002 FOR GENERAL NOTES.
2. REFER TO THE CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS FOR STORM SEWER STRUCTURES AND EMBEDMENT.
3. USE 4' JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100'.
4. REFER TO MEP PLANS FOR STORM LINES WITHIN 5' AND UNDERNEATH BUILDING.
5. ALL STORM SEWER PIPES 18" AND ABOVE SHALL BE CLASS III RCP. ALL STORM SEWER PIPES SMALLER THAN 18" SHALL BE CONSIDERED PRIVATE LINES, AND WILL BE PVC OR HDPE.
6. ALL STORM SEWER INTERSECTIONS WITH SANITARY SEWER AND WATER ARE SHOWN ON PROFILES.
7. ALL STORM PIPE WITHIN THE PROPERTY LINE SHALL BE CONSIDERED PRIVATE.

FLEXAMAT INFORMATION

Manufacturer: Motz Enterprises, Inc.
Product Name: Flexamat™
Address: 11006 Reading Road, Suite 301
Cincinnati, Ohio 45241
Telephone: 513-772-MOTZ (6689)
Fax: 513-772-6690
Contact: Matt Motz, Vice President
Matt@Flexamat.com
Website: www.Flexamat.com

NOTES
NO WORK TO BE PERFORMED WITHIN RAILROAD ROW OR RESERVATION UNLESS COORDINATED WITH RAILROAD.
REFERENCE SHEET C-402 FOR POND DESIGN TABLES.
ALL PIPES ARE PRIVATE UNLESS OTHERWISE NOTED.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

5-YR					
Label	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
DA-A	1.907	0.85	43.56	(N/A)	(N/A)
DA-B	0.432	0.85	9.81	(N/A)	(N/A)
O-2	2.339	0.9	36.92	(N/A)	(N/A)
Pond A (IN)	2.339	0.85	45.97	(N/A)	(N/A)
Pond A (OUT)	2.339	0.9	36.92	555.19	0.359
Pond B (IN)	0.432	0.85	9.81	(N/A)	(N/A)
Pond B (OUT)	0.432	1.2	2.63	556.69	0.197

10-YR					
Label	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
DA-A	2.22	0.85	50.71	(N/A)	(N/A)
DA-B	0.502	0.85	11.42	(N/A)	(N/A)
O-2	2.722	0.9	44.64	(N/A)	(N/A)
Pond A (IN)	2.722	0.85	53.15	(N/A)	(N/A)
Pond A (OUT)	2.722	0.9	44.64	555.3	0.392
Pond B (IN)	0.502	0.85	11.42	(N/A)	(N/A)
Pond B (OUT)	0.502	1.25	2.8	556.91	0.249

25-YR					
Label	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
DA-A	2.595	0.85	59.28	(N/A)	(N/A)
DA-B	0.587	0.85	13.35	(N/A)	(N/A)
O-2	3.182	0.9	53.42	(N/A)	(N/A)
Pond A (IN)	3.182	0.85	61.76	(N/A)	(N/A)
Pond A (OUT)	3.182	0.9	53.42	555.39	0.421
Pond B (IN)	0.587	0.85	13.35	(N/A)	(N/A)
Pond B (OUT)	0.587	1.3	2.98	557.17	0.315

100-YR					
Label	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
DA-A	3.064	0.85	69.99	(N/A)	(N/A)
DA-B	0.693	0.85	15.76	(N/A)	(N/A)
O-2	3.758	0.9	63.53	(N/A)	(N/A)
Pond A (IN)	3.758	0.85	72.55	(N/A)	(N/A)
Pond A (OUT)	3.758	0.9	63.53	555.5	0.455
Pond B (IN)	0.693	0.85	15.76	(N/A)	(N/A)
Pond B (OUT)	0.693	1.35	3.2	557.5	0.4

No.	REVISIONS	DATE	BY
1	ASI 002	09/25/2020	CBF
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKW

Kimley»Horn
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SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
09/25/2020

KHA PROJECT 064510401
DATE 09/25/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

STORM SEWER PLAN

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-403

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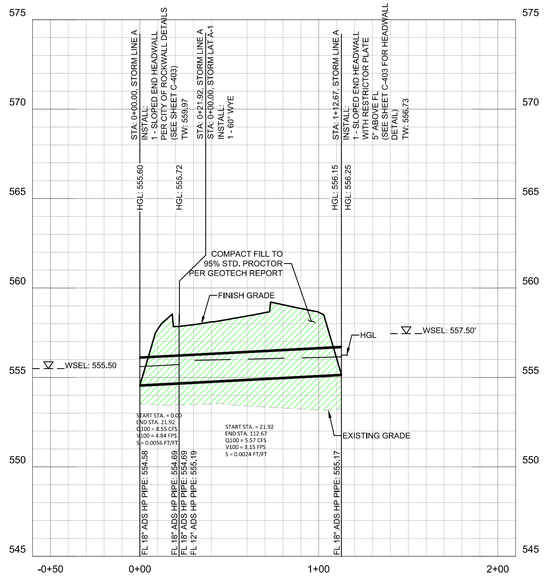
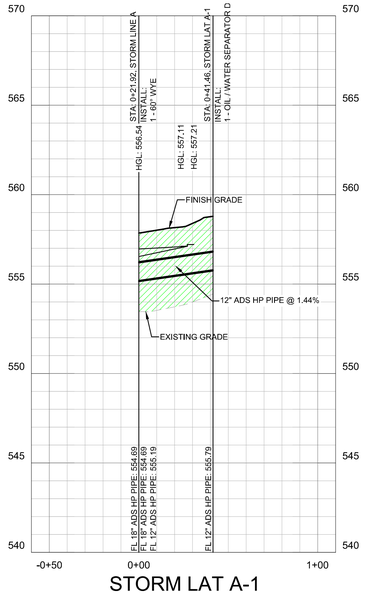


STORM LINE A
(PRIVATE)



STORM LAT A-1

STORM LINE B
(PRIVATE)

STORM LINE C
(PRIVATE)

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL
0 2 4 8
VERTICAL

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

No.	REVISIONS	DATE	BY
1	RFI: CURB AND SIDEWALK REVISION	09/10/2020	ABG
2	CITY AND V.E. COMMENTS	06/25/2020	CBF
3	BID ADDENDUM 2	06/02/2020	ABG
4	BID ADDENDUM 1	02/07/2020	BKW

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
3-16-2020

KHA PROJECT 064510401
DATE 06/10/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

STORM SEWER PROFILE

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
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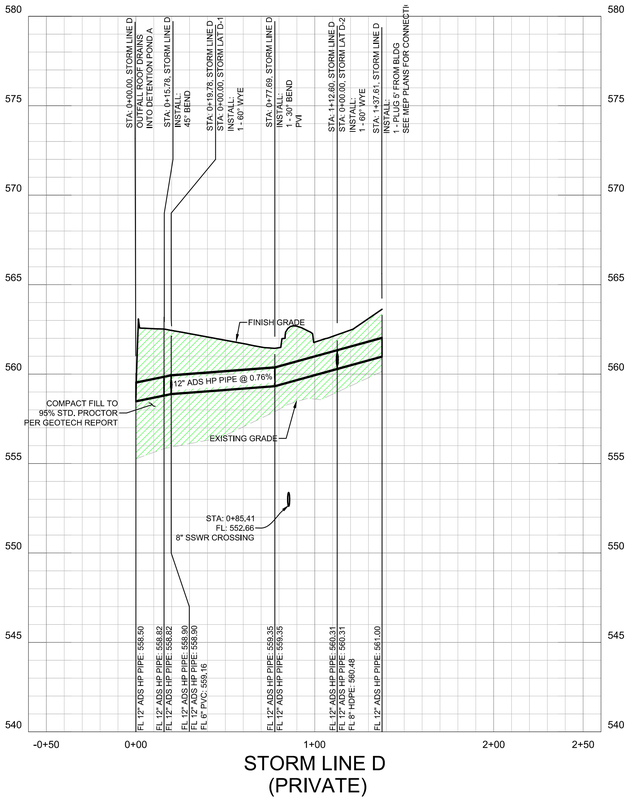
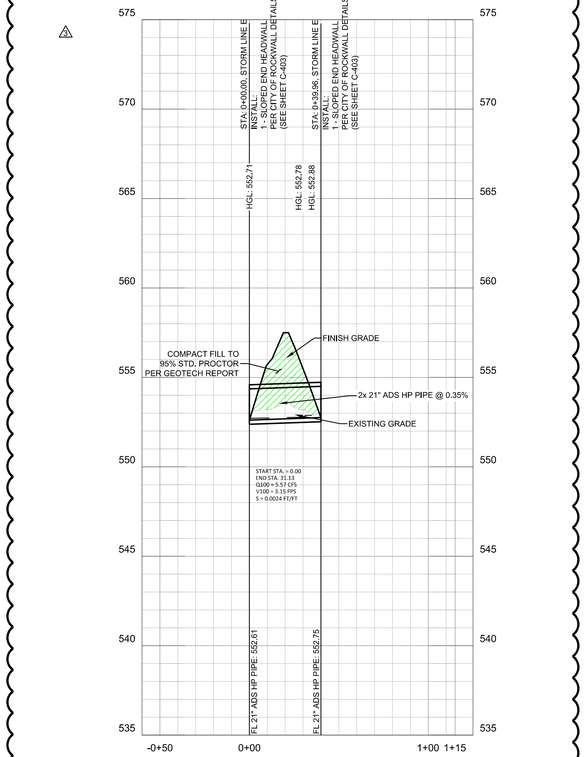


STORM LINE D
(PRIVATE)



STORM LINE E
(PRIVATE)

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL

0 2 4 8
VERTICAL

RECORD DRAWING

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

STORM SEWER PROFILE

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

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RUNOFF COLLECTION POINT INFORMATION			DRAINAGE AREA INFORMATION											RCP							
U/S	D/S	Length	Area ID	Interc-epted Area "A"	Runoff Coeff. "C"	Incre-mental "CA"	Accum-ulated "CA"	Design Storm Freq-uency	DA Time to inlet	Flow Time at U/S	Rainfall Intensity "I"	Storm Water Runoff "Q"	Pipe Dia.	Invert Elev U/S	Invert Elev D/S	Hydraulic Grade Slope "S"	Velocity "V"	Head Loss at U/S Junction	Hydraulic Gradient Elevations U/S
(ft.)	(ft.)	(ft.)		(ac.)		(ac.)	(ac.)	(yrs)	(min)	(min)	(in/hrs)	(cfs)	(in.)	(ft.)	(ft.)	(ft/ft)	(fps)	(ft.)	(ft.)
SD LINE A																			
1+12.67	0+21.92	90.75	POND B	0.00	0.00	0.00	0.00	100	10.00	10.00	9.80	5.57	18	555.27	554.79	0.0024	3.15	0.10	556.15
0+21.92	0+00.00	21.92	LAT A-1	0.39	0.78	0.30	0.30	100	10.00	10.00	9.80	8.55	18	554.79	554.68	0.0056	4.84	0.21	555.72

RUNOFF COLLECTION POINT INFORMATION			DRAINAGE AREA INFORMATION											RCP							
U/S	D/S	Distance Between STA	Area ID	Interc-epted Area "A"	Ante-cedent Factor "K"	Runoff Coeff. "C"	Incre-mental "KCA"	Accum-ulated "KCA"	Design Storm Freq-uency	DA Time to inlet	Flow Time at U/S	Rainfall Intensity "I"	Storm Water Runoff "Q"	Pipe Dia.	Invert Elev U/S	Invert Elev D/S	Hydraulic Grade Slope "S"	Velocity "V"	Head Loss at U/S Junction	Hydraulic Gradient Elevations U/S
(ft.)	(ft.)	(ft.)		(ac.)			(ac.)	(ac.)	(yrs)	(min)	(min)	(in/hrs)	(cfs)	(in.)	(ft.)	(ft.)	(ft/ft)	(fps)	(ft.)	(ft.)
SD LINE B																				
3+63.29	3+55.41	7.88	A-2, Line C	2.53	1.00	0.74	1.86	1.86	100	10.00	10.00	9.80	18.25	24	556.78	556.73	0.0055	5.81	0.26	560.53
3+55.41	2+95.17	60.24		-	1.00	-	0.00	1.86	100	10.00	10.00	9.80	18.25	24	556.73	556.36	0.0055	5.81	0.10	560.29
2+95.17	2+67.67	27.50	A-5	0.03	1.00	0.39	0.01	1.87	100	10.00	10.20	9.80	18.36	24	556.36	556.20	0.0056	5.85	0.27	559.69
2+67.67	2+60.17	7.50	A-1.3	0.26	1.00	0.90	0.23	2.11	100	10.00	10.30	9.80	20.66	24	556.20	556.15	0.0071	6.58	0.14	559.40
2+60.17	2+30.17	30.00	A-4	0.02	1.00	0.39	0.01	2.12	100	10.00	10.30	9.80	20.73	24	556.15	555.96	0.0071	6.60	0.34	559.01
2+30.17	2+09.83	20.34		-	1.00	-	0.00	2.12	100	10.00	10.40	9.80	20.73	24	555.96	555.84	0.0071	6.60	0.10	558.69
2+09.83	1+93.20	16.63		-	1.00	-	0.00	2.12	100	10.00	10.50	9.80	20.73	24	555.84	555.74	0.0071	6.60	0.10	558.45
1+93.20	1+81.75	11.45	A-1.3	0.18	1.00	0.90	0.16	2.28	100	10.00	10.50	9.80	22.32	24	555.74	555.67	0.0083	7.10	0.11	558.22
1+81.75	1+74.42	7.33		-	1.00	-	0.00	2.28	100	10.00	10.50	9.80	22.32	24	555.67	555.62	0.0083	7.10	0.12	558.01
1+74.42	1+67.09	7.33	A-12	0.30	1.00	0.84	0.25	2.53	100	10.00	10.50	9.80	24.79	24	555.62	555.58	0.0102	7.89	0.18	557.77
1+67.09	1+01.99	65.10		-	1.00	-	0.00	2.53	100	10.00	10.50	9.80	24.79	24	555.58	555.18	0.0102	7.89	0.14	557.55
1+01.99	0+88.91	13.08		-	1.00	-	0.00	2.53	100	10.00	10.60	9.80	24.79	24	555.18	555.10	0.0102	7.89	0.10	556.79
0+88.91	0+00.00	88.91	A-1.3	0.18	1.00	0.90	0.16	2.69	100	10.00	10.60	9.80	26.38	24	555.10	554.56	0.0115	8.40	0.13	556.52

RUNOFF COLLECTION POINT INFORMATION			DRAINAGE AREA INFORMATION											RCP							
U/S	D/S	Distance Between STA	Area ID	Interc-epted Area "A"	Ante-cedent Factor "K"	Runoff Coeff. "C"	Incre-mental "KCA"	Accum-ulated "KCA"	Design Storm Freq-uency	DA Time to inlet	Flow Time at U/S	Rainfall Intensity "I"	Storm Water Runoff "Q"	Pipe Dia.	Invert Elev U/S	Invert Elev D/S	Hydraulic Grade Slope "S"	Velocity "V"	Head Loss at U/S Junction	Hydraulic Gradient Elevations U/S
(ft.)	(ft.)	(ft.)		(ac.)			(ac.)	(ac.)	(yrs)	(min)	(min)	(in/hrs)	(cfs)	(in.)	(ft.)	(ft.)	(ft/ft)	(fps)	(ft.)	(ft.)
SD LINE C																				
5+94.49	5+76.88	17.61	A-1.2	0.15	1.00	0.90	0.14	0.14	100	10.00	10.00	9.80	1.32	18	561.00	560.73	0.0001	0.75	0.10	563.78
5+76.88	5+25.34	51.54	-	-	1.00		0.00	0.14	100	10.00	10.40	9.80	1.32	18	560.73	559.93	0.0001	0.75	0.10	563.68
5+25.34	4+56.57	68.77	A-1.3	0.15	1.00	0.90	0.14	0.27	100	10.00	11.50	9.80	2.65	18	559.93	558.87	0.0005	1.50	0.10	563.57
4+56.57	4+50.32	6.25	A-1.3	0.15	1.00	0.90	0.14	0.41	100	10.00	12.30	9.80	3.97	18	558.87	558.78	0.0012	2.25	0.10	563.43
4+50.32	4+23.15	27.17	A-9	0.32	1.00	0.39	0.12	0.53	100	10.00	12.30	9.80	5.19	18	558.78	558.62	0.0021	2.94	0.10	563.32
4+23.15	3+78.88	44.27	A-1.3	0.10	1.00	0.90	0.09	0.62	100	10.00	12.50	9.80	6.07	18	558.62	558.37	0.0028	3.44	0.10	563.17
3+78.88	3+45.66	33.22	A-1.3	0.06	1.00	0.46	0.03	0.65	100	10.00	12.70	9.80	6.34	18	558.37	558.18	0.0031	3.59	0.10	562.94
3+45.66	3+36.57	9.09	A-8	0.11	1.00	0.46	0.05	0.70	100	10.00	12.90	9.80	6.84	18	558.18	558.13	0.0036	3.87	0.10	562.74
3+36.57	3+30.03	6.54	-	-	1.00	-	0.00	0.70	100	10.00	12.90	9.80	6.84	18	558.13	558.09	0.0036	3.87	0.10	562.61
3+30.03	2+46.65	83.38	-	-	1.00	-	0.00	0.70	100	10.00	12.90	9.80	6.84	18	558.09	557.61	0.0036	3.87	0.10	562.48
2+46.65	2+16.86	29.79	A-7	0.09	1.00	0.45	0.04	0.74	100	10.00	13.30	9.80	7.24	18	557.61	557.44	0.0040	4.10	0.10	562.08
2+16.86	2+06.16	10.70	-	-	1.00	-	0.00	0.74	100	10.00	13.40	9.80	7.24	18	557.44	557.38	0.0040	4.10	0.10	561.86
2+06.16	1+98.16	8.00	-	-	1.00	-	0.00	0.74	100	10.00	13.40	9.80	7.24	24	556.88	556.84	0.0009	2.30	0.10	561.72
1+98.16	1+88.97	9.19	-	-	1.00	-	0.00	0.74	100	10.00	13.50	9.80	7.24	24	556.84	556.79	0.0009	2.30	0.10	561.61
1+88.97	1+59.32	29.65	A-1.3	0.12	1.00	0.90	0.11	0.85	100	10.00	13.60	9.80	8.30	24	556.79	556.65	0.0011	2.64	0.10	561.51
1+59.32	1+30.48	28.84	A-1.3	0.02	1.00	0.90	0.02	0.86	100	10.00	13.80	9.80	8.47	24	556.65	556.50	0.0012	2.70	0.10	561.37
1+30.48	1+22.10	8.38	A-1.3	0.13	1.00	0.90	0.12	0.98	100	10.00	14.00	9.80	9.62	24	556.50	556.46	0.0015	3.06	0.10	561.24
1+22.10	1+06.14	15.96	A-6	0.03	1.00	0.49	0.01	1.00	100	10.00	14.00	9.80	9.76	24	556.46	556.38	0.0016	3.11	0.10	561.12
1+06.14	0+95.53	10.61		-	1.00	-	0.00	1.00	100	10.00	14.10	9.80	9.76	24	556.38	556.33	0.0016	3.11	0.10	561.00
0+95.53	0+06.04	89.49		-	1.00	-	0.00	1.00	100	10.00	14.20	9.80	9.76	24	556.33	555.88	0.0016	3.11	0.10	560.88
0+06.04	0+00.00	6.04		-	1.00	-	0.00	1.00	100	10.00	14.70	9.80	9.76	24	555.88	555.85	0.0016	3.11	0.10	560.64

RUNOFF COLLECTION POINT INFORMATION			DRAINAGE AREA INFORMATION												RCP							
U/S	D/S	Distance Between STA	Area ID	Interc-epted Area "A"	Ante-cedent Factor "K"	Runoff Coeff. "C"	Incre-mental "KCA"	Accum-ulated "KCA"	Design Storm Freq-uency	DA Time to inlet	Flow Time at U/S	Rainfall Intensity "I"	Storm Water Runoff "Q"	No. of Barrels	Pipe Dia.	Invert Elev U/S	Invert Elev D/S	Hydraulic Grade Slope "S"	Velocity "V"	Head Loss at U/S Junction	Hydraulic Gradie
(ft.)	(ft.)	(ft.)		(ac.)			(ac.)	(ac.)	(yrs)	(min)	(min)	(in/hrs)	(cfs)	(ea)	(in.)	(ft.)	(ft.)	(ft/ft)	(fps)	(ft.)	U/S (ft.)
SD LINE E																					
0+31.13	0+00.00	31.13			-	-	0.00	0.00	100	-	-	-	63.53	2	21	552.75	552.61	0.1362	26.41	0.00	556.85

Drainage Area	Area	Runoff Coeff.	Time of Concen-tration	Design Storm Frequ-ency	Rainfall Intensity	Storm Water Runoff	Upstream Bypass	Total Flow	PAVEMENT INFORMATION					DROP INLET									
									Manning's	Slope of Road	Cross Slope	Roadway Width to Crown	Crown Height	Allowable Flow Depth	Clogging Factor	Required Open Perimeter as Weir	Required Open Area as Orifice	Design Length	Design Width	Design Perimeter	Design Clear Opening	Weir Flow	Orifice Flow	Actual Flow Depth
	"A"	"C"	"Tc"		"I"	"Q"	"Q_B"	"Q_T"	"n"	"S_L"	"S_x"	"R_c"	"a"	"G_D"		"G_p"	"G_A"	"G_L"	"G_W"	"G_p"	"G_A"	"G_{OW}"	"G_{OO}"	"G_{D100}"
	Ac.		Min.		in/hr	cfs	cfs	cfs		ft/ft	ft/ft	ft	ft	ft		ft	ft^2	ft	ft	ft	ft^2	cfs	cfs	in.
A-4	0.02	0.35	10	100	9.80	0.07	0.00	0.07	0.016	0.010	0.02	12	0.50	0.40	50%	0.18	0.04	2.00	2.00	8.00	4.00	6.07	13.60	0.24
A-5	0.03	0.39	10	100	9.80	0.11	0.00	0.11	0.016	0.010	0.02	12	0.50	0.40	50%	0.30	0.07	2.00	2.00	8.00	4.00	6.07	13.60	0.34
A-6	0.03	0.49	10	100	9.80	0.14	0.00	0.14	0.016	0.010	0.02	12	0.50	0.40	50%	0.38	0.08	2.00	2.00	8.00	4.00	6.07	13.60	0.40
A-7	0.09	0.45	10	100	9.80	0.40	0.00	0.40	0.016	0.010	0.02	12	0.50	0.40	50%	1.05	0.23	2.00	2.00	8.00	4.00	6.07	13.60	0.78
A-8	0.11	0.46	10	100	9.80	0.50	0.00	0.50	0.016	0.010	0.02	12	0.50	0.40	50%	1.31	0.29	2.00	2.00	8.00	4.00	6.07	13.60	0.90
A-9	0.32	0.39	10	100	9.80	1.22	0.00	1.22	0.016	0.010	0.02	12	0.50	0.40	50%	3.22	0.72	2.00	2.00	8.00	4.00	6.07	13.60	1.65

No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG
3	CITY AND V.E. COMMENTS	06/25/2020	CBF
4	RFI: STORM LINES B & C	09/10/2020	CBF

RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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STATE OF TEXAS
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LICENSED
PROFESSIONAL ENGINEER
7-16-2020

KHA PROJECT 064510401
DATE 09/10/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

STORM CALCULATIONS

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-406

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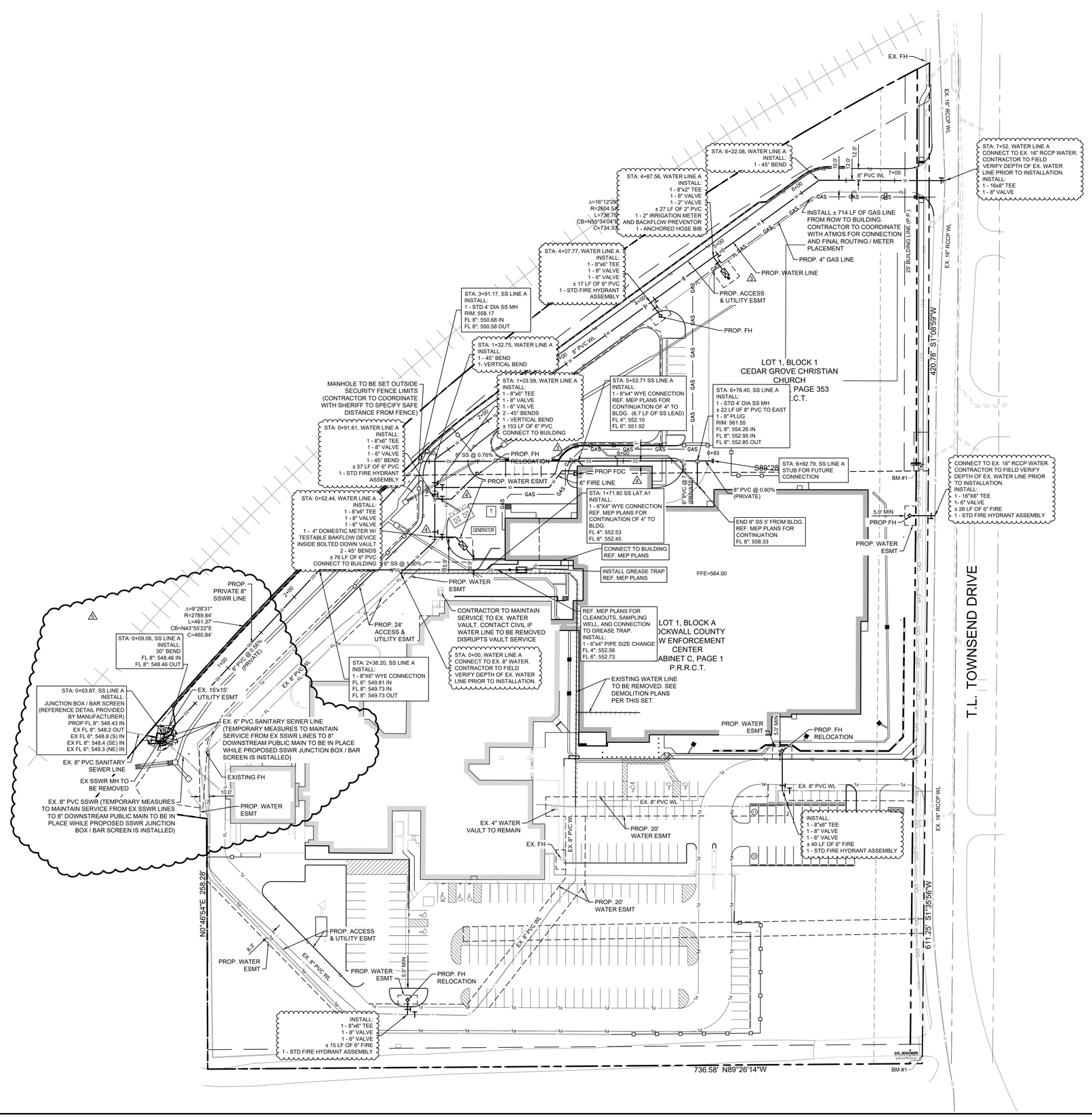

NOTES
1. REFER TO SHEET C-002 FOR GENERAL NOTES.
2. UTILITY CONNECTIONS TERMINATE 5' FROM BUILDING ENVELOPE. SEE ARCHITECT AND MEP PLANS FOR CONTINUATION.
3. VALVES 12" AND UNDER WILL BE RESILIENT SEAT GATE VALVES (RSGV).
4. SEE CITY OF ROCKWALL FOR UTILITY EMBEDMENT DETAILS.
5. WATER METER AND SERVICE TO BE INSTALLED BY CITY WATER DEPARTMENT AT OWNERS EXPENSE.
6. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR.
7. TRANSFORMER LOCATIONS SUBJECT TO CHANGE.
8. REFER TO CITY OF ROCKWALL DESIGN GUIDELINES FOR ALL WATER METER AND FIRE HYDRANT DETAILS.
9. SEE MEP PLANS FOR FRANCHISE UTILITIES SITE ROUTING.
10. REFER TO CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS FOR ALL SANITARY SEWER MANHOLES AND CLEANOUTS.
11. ALL FITTINGS SHALL BE OF DOMESTIC MANUFACTURE AND SHALL BE MECHANICALLY RESTRAINED.
12. REFER TO TCEQ DESIGN GUIDELINES (CHAPTER 217 AND 290) FOR ALL UTILITY CROSSINGS.
13. ALL ABOVE GROUND UTILITY STRUCTURES (MANHOLES, VAULTS, ETC) WITHIN THE SECURED AREA MUST BE BOLTED DOWN.
14. ALL FIRE HYDRANTS TO HAVE 5' CLEARANCE ON ALL SIDES. INCLUDING PARKING SPACES.
15. A BLUE EMS LOCATOR PAD ON THE WATER MAINS EVERY 250', ON ANY CHANGE IN DIRECTION, CURB STOP, AND SERVICE CONNECTION.
16. A GREEN EMS LOCATOR PAD SHALL BE INSTALLED AT EVERY MANHOLE, CLEANOUT AND SERVICE CONNECTION ON THE MAIN LINE.

LEGEND	
PROPERTY LINE	
PROPOSED WATER	W W
EXISTING WATER	W W
PROPOSED SANITARY SEWER	SS SS
EXISTING SANITARY SEWER	SS SS
PROPOSED STORM SEWER	
EXISTING STORM SEWER	
PROPOSED UNDERGROUND ELECTRIC LINE	UE UE
EXISTING UNDERGROUND ELECTRIC LINE	UE UE
PROPOSED NATURAL GAS LINE	GAS GAS
EXISTING NATURAL GAS LINE	GAS GAS
PROPOSED WATER VALVE	
EXISTING WATER VALVE	
PROPOSED FIRE HYDRANT	
EXISTING FIRE HYDRANT	
PROPOSED WATER METER	
EXISTING WATER METER	
PROPOSED SANITARY SEWER CLEANOUT	
EXISTING SANITARY SEWER CLEANOUT	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	

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2	BID ADDENDUM 2	06/02/2020	ABG
3	CITY AND V.E. COMMENTS	06/25/2020	CBF
4	ASI 002	09/25/2020	CBF
5	SSWR BAR SCREEN	03/22/2021	CBF

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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
06/17/2021

KHA PROJECT	064510401
DATE	06/17/2021
SCALE	AS SHOWN
DESIGNED BY	CBF
DRAWN BY	TAD
CHECKED BY	NES

UTILITY PLAN

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-500

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

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C-UTIL.dwg

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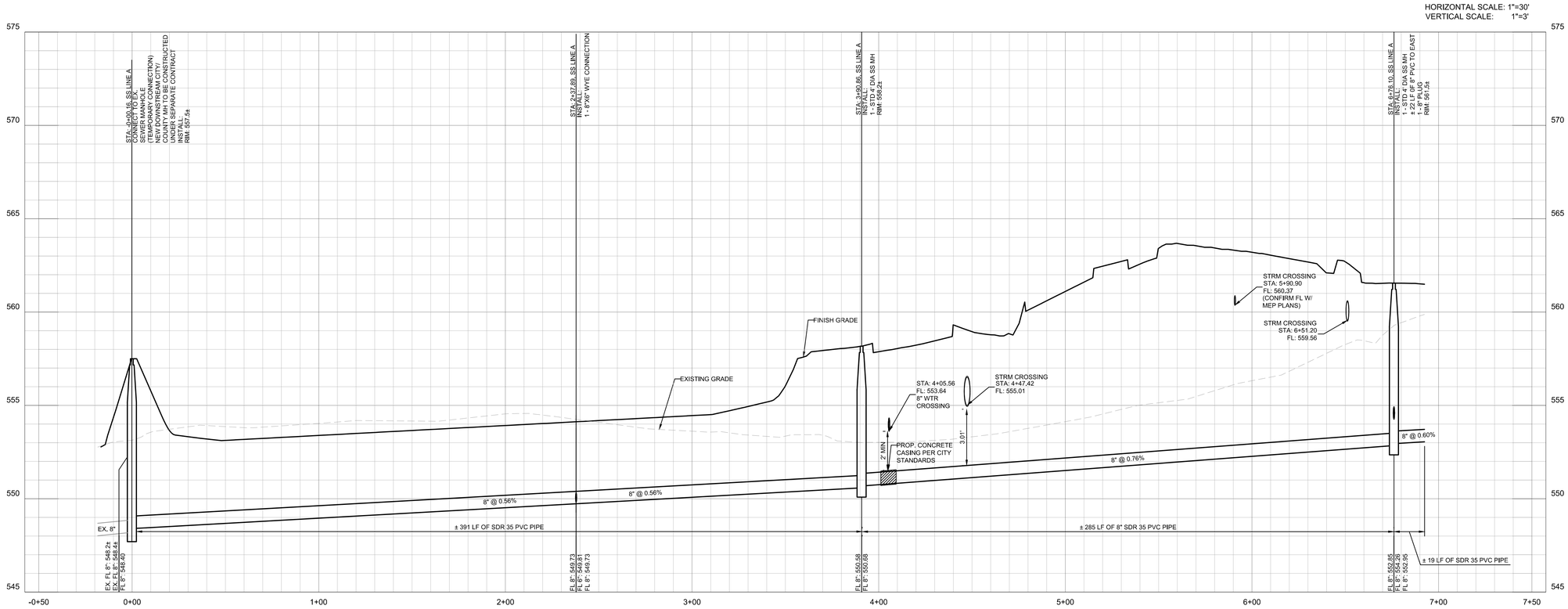

PRIVATE SS LINE A
STA. -0+50 TO STA. 7+50

RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

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2	BID ADDENDUM 2	06/02/2020	ABG

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STATE OF TEXAS
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07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
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CHECKED BY	CBF

SANITARY SEWER PROFILE

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-501

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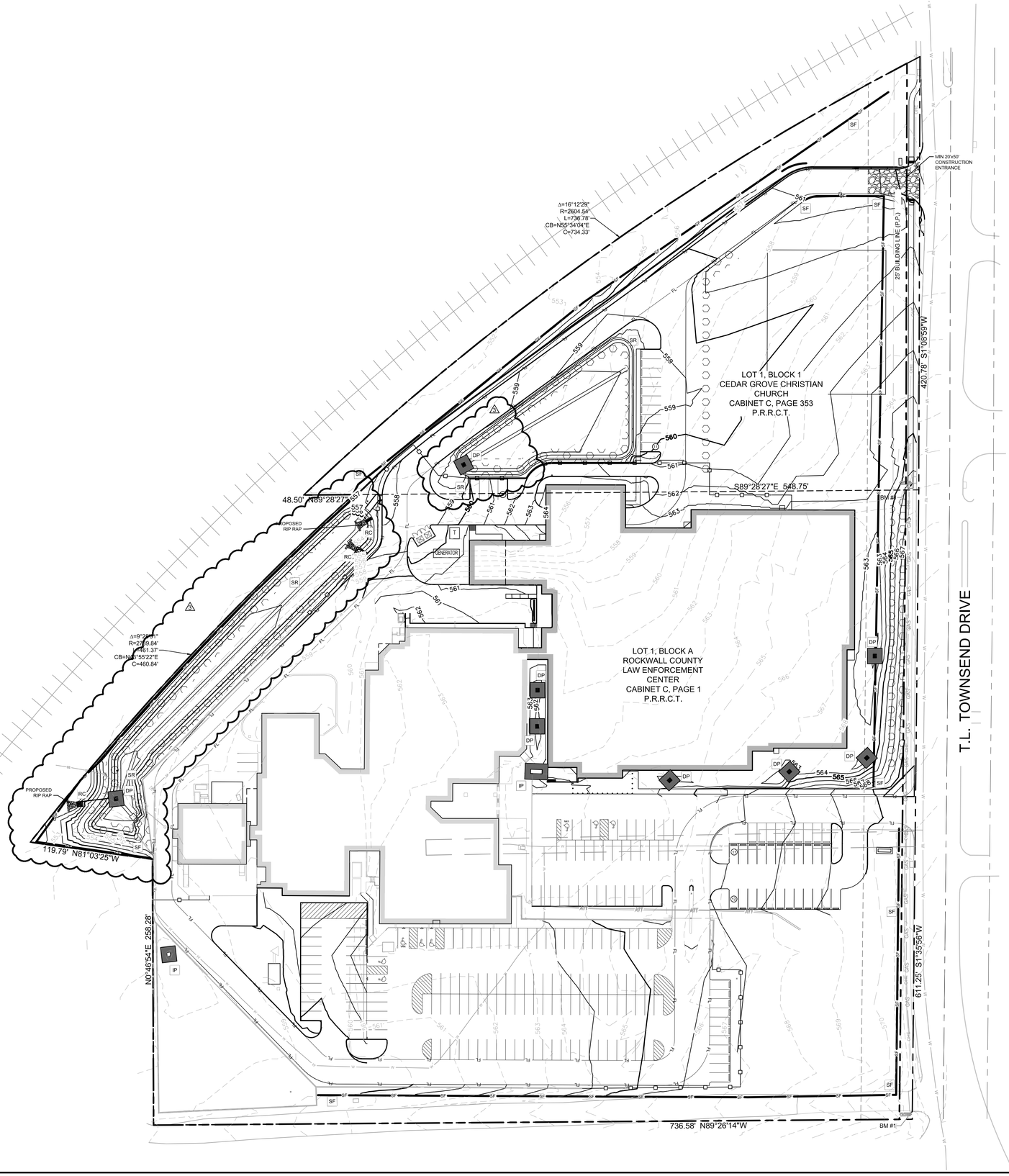

GRAPHIC SCALE IN FEET
0 25 50 100

NOTES

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
2. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
3. DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY PROPOSED AND EXISTING CONTOURS, FLOW ARROWS, AND SLOPES.
4. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
5. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
6. SANITARY SEWER EFFLUENT IS DISPOSED OF VIA AN ONSITE SEWER SYSTEM CONNECTED TO A MUNICIPAL SEWER SYSTEM.
7. IN AREAS WITH 4:1 SLOPES, CONTRACTOR TO INSTALL SOIL RETENTION BLANKET IF NECESSARY.
8. ALL SAWCUT WATER SHALL BE VACUUMED AND DISPOSED PROPERLY (I.E. CONCRETE WASHOUT PIT).
9. ALL HYPERCHLORINATED WATER AND BLOW OFF WATER SHALL BE DISCHARGED INTO SANITARY SEWER SYSTEM.
10. ALL DISTURBED AREAS, WHETHER ON-SITE OR OFF-SITE, SHALL RECEIVE A FULL STAND OF GRASS (PERMANENT GRASS) PRIOR TO ISSUANCE OF ANY OCCUPANCY BY THE BUILDING AND CODE DIVISION OF COMMUNITY DEVELOPMENT.

LEGEND

PROPERTY LINE	
PROPOSED CONTOURS	
EXISTING CONTOURS	
SILT FENCE	SF
CONSTRUCTION ENTRANCE	CE
DROP INLET PROTECTION	DP
CURB INLET PROTECTION	IP
SOIL RETENTION BLANKET (IF REQUIRED)	SR
ROCK CHECK DAM	RC

RECORD DRAWING

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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

PHASING

PHASE	EROSION CONTROL MEASURES
1. GRADING	ALL SILT FENCE AND CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING. CONSTRUCTION ENTRANCE TO BE INSTALLED AT THIS TIME.
2. UTILITY INSTALLATION	ALL SILT FENCE SHALL BE INSTALLED PRIOR TO THE INITIATION OF ALL UTILITY CONSTRUCTION. UPON THE COMPLETION OF STORM SEWER INSTALLATION, INLET PROTECTORS TO BE INSTALLED.
3. PAVING/BUILDING	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
4. SOIL STABILIZATION /LANDSCAPING	AFTER SITE CONSTRUCTION AND PAVING PHASE, CONTRACTOR TO EXCAVATE BOTTOM OF POND AND REMOVE SEDIMENT TRAP. REMOVE TEMPORARY ENTRANCE/EXIT AND INLET PROTECTION. ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED DURING FINE GRADING AND THROUGH OUT THE REMAINDER OF THE PROJECT.

TOTAL DISTURBED AREA

9.73 ACRES

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1	CITY AND V.E. COMMENTS	06/25/2020	CBF
2	BID ADDENDUM 2	06/02/2020	ABG
1	BID ADDENDUM 1	02/07/2020	BKW

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07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

EROSION CONTROL PLAN

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
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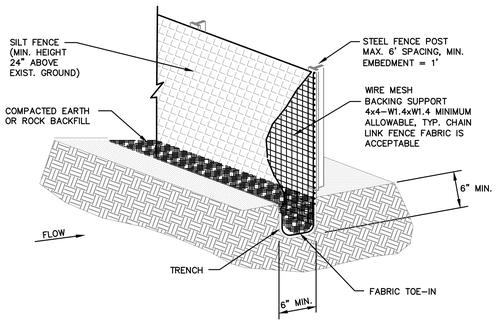
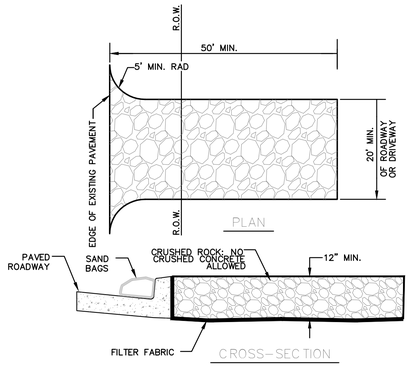


SILT FENCE GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN SLOPE 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 STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

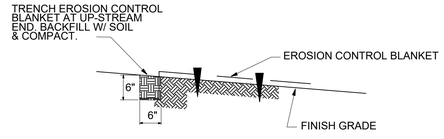
CONSTRUCTION OF A FILTER BARRIER



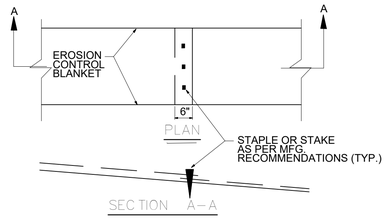
CONSTRUCTION ENTRANCE NOTES:

1. STONE SIZE – 4 TO 6 INCHES CRUSHED ROCK.
2. LENGTH – AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
3. THICKNESS – NOT LESS THAN 12 INCHES.
4. WIDTH – NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING – WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY, MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE – ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
8. CONTRACTOR TO COORDINATE EXACT LOCATION OF THIS DETAIL.

CONSTRUCTION ENTRANCE



UPSTREAM ANCHORING



TYPICAL JOINT OVERLAP

EB

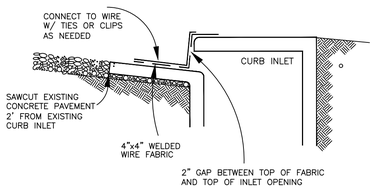
EROSION CONTROL BLANKET

N.T.S.

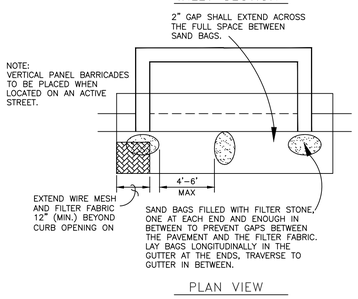
RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE 'AS-BUILT' BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

Date: 03/20/2023 By: CHRIS FERGUSSON P.E.



INLET SECTION

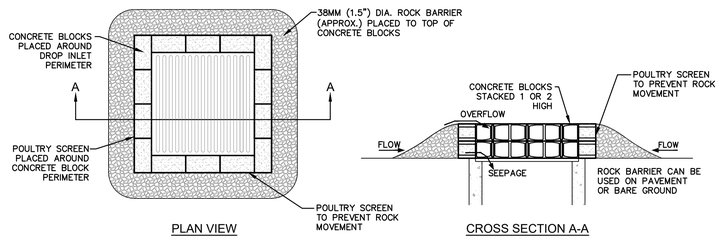


PLAN VIEW

TEMPORARY CURB INLET PROTECTION

IP

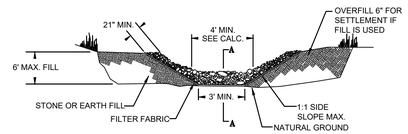
N.T.S.



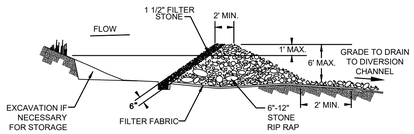
GRATE INLET PROTECTION DETAIL

IP

N.T.S.



VIEW LOOKING UPSTREAM



SECTION

REFERENCE SEDIMENT TRAP/BASIN CALCULATIONS FOR WIDTH OF OUTLET OPENING.

NOTE: REMOVE SEDIMENT FROM THE STORAGE AREA WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-HALF THE HEIGHT OF THE STONE OUTLET. INSPECT THE DOWNSTREAM BASE OF THE STONE OUTLET AND THE DOWNSTREAM FLOW CHANNEL TO ENSURE THAT NO EXCESSIVE EROSION OR GUILLIES HAVE DEVELOPED AND REPAIR AS NECESSARY. THE SEDIMENT STORAGE AREA SHOULD DRAIN WITHIN 48 TO 72 HOURS AFTER A RAIN EVENT. THE FILTER STONE ON THE UPSTREAM FACE OF THE STONE OUTLET MAY REQUIRE CLEANING OR REPLACEMENT IF STANDING WATER REMAINS FOR LONGER PERIODS.

ROCK CHECK DAM

RC

N.T.S.

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

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!!

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

EROSION CONTROL DETAILS

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-601

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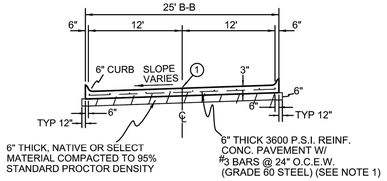
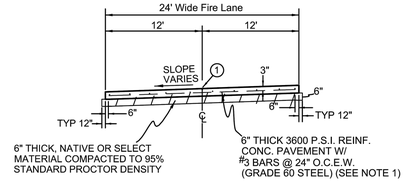


1 SAWED LONGITUDINAL CONTRACTION OR CONSTRUCTION JOINT

24' Wide Fire Lane with Curbs
(Not to Scale)

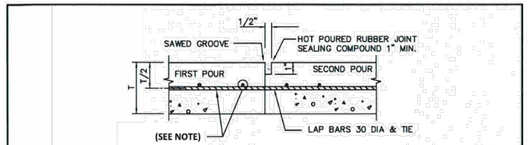


24' Wide Fire Lane
(Not to Scale)

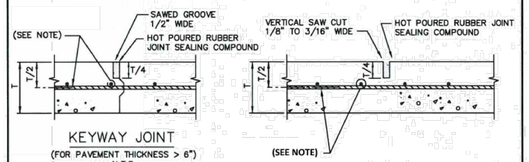
NOTES:

1. Street pavement cement content to be no less than 6 sacks per cubic yard for machine placed and not less than 6.5 sacks per cubic yard for hand placed.
2. Sidewalk Cement content of not less than 5.5 sack per cubic yard.
3. No sand allowed under pavement or sidewalks.

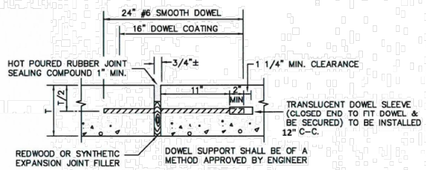
REINFORCED CONCRETE PAVEMENT	CITY OF ROCKWALL	
FIRE LANE		DATE: AUG. '19 | DRAWING NO.: R-2041



CONSTRUCTION JOINT
N.T.S.

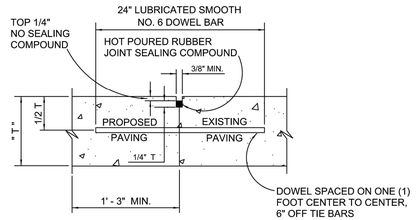


NOTE:
REINFORCING SHALL BE - #3 BARS AT 24" FOR 6" THICK PAVEMENT AND LESS. #4 BARS AT 18" FOR 8" THICK PAVEMENT AND GREATER.



EXPANSION JOINT
(SPACED 600 FT. MAXIMUM; LOCATE AT STRUCTURES AND AT INTERSECTION P.C.'S & P.T.'S)
N.T.S.

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

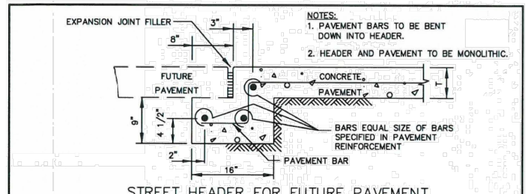


NOTES: T = PAVEMENT

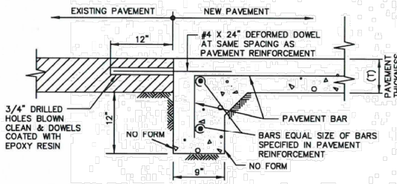
1. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
2. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
3. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

LONGITUDINAL BUTT JOINT
NOT TO SCALE

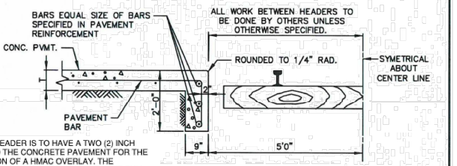
REINFORCED CONCRETE PAVEMENT	CITY OF ROCKWALL	
LONGITUDINAL BUTT JOINT		DATE: OCT. '17 | DRAWING NO.: R-2051



STREET HEADER FOR FUTURE PAVEMENT
N.T.S.



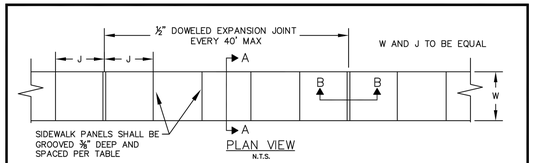
STREET HEADER AT EXISTING PAVEMENT
N.T.S.



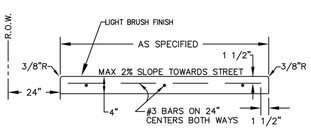
RAILROAD HEADER IS TO HAVE A TWO (2) INCH NOTCH INTO THE CONCRETE PAVEMENT FOR THE INSTALLATION OF A HMAC OVERLAY. THE CONCRETE UNDER THE HMAC IS TO BE THE FULL STREET THICKNESS. THE NOTCH SHOULD START AT THE END OF THE PAVEMETN AND GO TWENTY (20) FEET UP THE ROAD AWAY FROM THE CROSSING.

STREET HEADER AT RAILROAD
N.T.S.

REINFORCED CONCRETE PAVEMENT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE: 305.4
STREET HEADERS		DATE: Mar. 2018 | STANDARD DRAWING NO.: R-2070

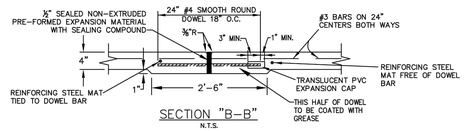


PLAN VIEW
N.T.S.

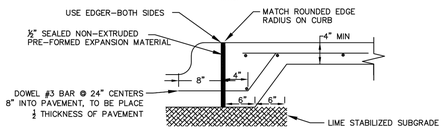


SECTION "A-A"
N.T.S.

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



SECTION "B-B"
N.T.S.

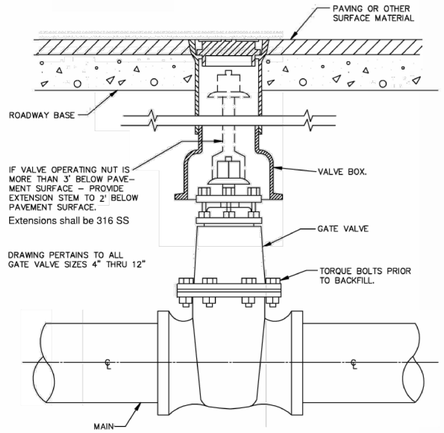


JOINT LUG DETAIL FOR MEDIAN PAVEMENT
LEAD WALK CONNECTIONS OR SIDEWALK ADJACENT TO CURB
N.T.S.

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

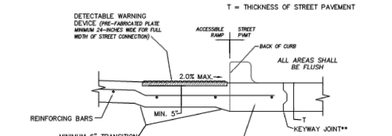
RECORD DRAWING
THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.
Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

NOTE:
IN UNPAVED AREAS, INSTALL 2' x 2' x 6" CONCRETE VALVE PAD FLUSH WITH THE TOP OF VALVE BOX. REINFORCE WITH #3 BARS ON 6" CENTERS BOTH WAYS.



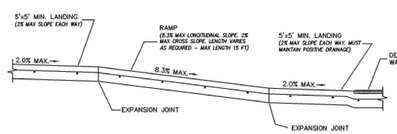
GATE VALVE BOX AND EXTENSION STEM
N.T.S.

GATE VALVE 4" TO 12" BOX & EXTENSION STEM	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE: 502.6.6*
		DATE: AUG. '19 | STANDARD DRAWING NO.: R-4050



SECTION X-X
N.T.S.

KEYWAY JOINT FOR NEW CONSTRUCTION. STREET CONNECTION SHALL BE LONGITUDINAL BUTT JOINT FOR CONNECTIONS TO EXISTING ROADWAYS.



SECTION Y-Y
N.T.S.

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

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

PEDESTRIAN ACCESSIBILITY (WITHIN PUBLIC R.O.W.)

All newly constructed sidewalks, curb ramps and crosswalks installed within City of Rockwall public rights-of-way shall be considered a pedestrian access route and shall conform to the most current Guidelines for Public Rights-of-Way created by the United States Access Board.

CURB RAMPS

1. All slopes shown are MAXIMUM ALLOWABLE. Lesser slopes that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
2. Landings shall be 5'x 5' minimum with a maximum 2% slope in the transverse and longitudinal directions..
3. Clear space at the bottom of curb ramps shall be a minimum of 5'x 5' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
4. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
5. Additional information on curb ramp location, design, light reflective value and texture may be found in the most current edition of the Texas Accessibility Standards (TAS) and 16 TAC 68.102. Federal guidelines shall supersede any conflicts.
6. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps and accessible routes shall align with theoretical crosswalks unless otherwise directed.
7. Handrails are not required on curb ramps.
8. Provide a flush transition where the curb ramps connect to the street.
9. Accessible routes are considered "ramps" when longitudinal slopes are between 5% and 8.3% (maximum allowable). Sidewalks under 5% longitudinal slope are deemed accessible routes and must follow all applicable guidelines.

DETECTABLE WARNING DEVICE

10. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 705 of the TAS. The surface must contrast visually with adjoining surfaces. Furnish and install an approved cast-in-place dark red detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
11. Detectable Warning Materials shall be truncated dome plates in the color approved by the City. Install products in accordance with manufacturer's specifications.
12. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
13. Detectable warning surfaces shall be a minimum of 24" in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
14. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb. When placed on the ramp, align the rows of domes to be perpendicular to the grade break between the ramp run and the street. Where detectable warning surfaces are provided on a surface with a slope that is less than 5 percent, dome orientation is less critical. Detectable warning surfaces may be curved along the corner radius.

SIDEWALKS

15. Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within one or more reach ranges specified in TAS 308.
16. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
17. Street grades and cross slopes shall be as shown elsewhere in the plans.
18. Changes in level greater than 1/4 inch are not permitted (1/2 inch with bevel).
19. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than 5% must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with TAS 505.
20. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.

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

No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

Kimley»Horn
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SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401	DATE 07/06/2020	SCALE AS SHOWN	DESIGNED BY CBF	DRAWN BY TAD	CHECKED BY CBF

CITY OF ROCKWALL STANDARD DETAILS (1 OF 3)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-700

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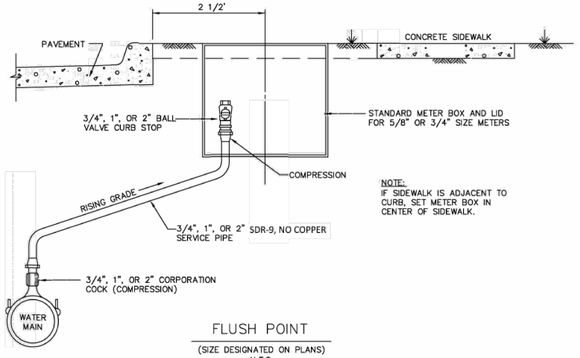
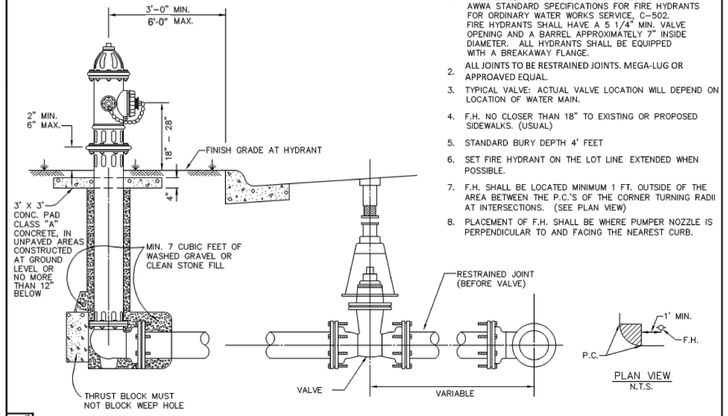


FLUSH POINT

(SIZE DESIGNATED ON PLANS)
N.T.S.

FLUSH POINT INSTALLATION	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.10.3*
TYPE "1"		DATE Mar. 2018 / STANDARD DRAWING NO. R-4110

DRAWING NO. R-4101

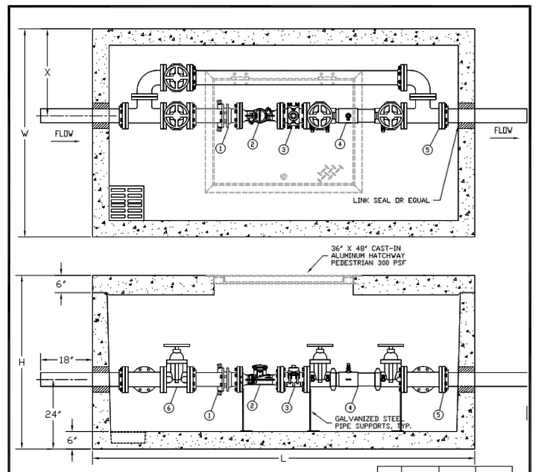


NOTES:

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

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

DRAWING NO. R-4120



SIZE	L	W	H
3"	11'- 0"	6'- 0"	5'- 0"
4"	8'- 8"	5'- 0"	5'- 0"
6"	11'- 0"	6' 0"	5'- 0"

NOTES:

1. CONCRETE SHALL HAVE MIN STRENGTH OF 4200 PSI AT 28 DAYS. NO CAST IN PLACE VAULTS SHALL BE ALLOWED.
2. REINFORCEMENT SHALL BE GRADE 60, STEEL BAR SHALL CONFORM TO ASTM A615 ON REQUIRED CENTERS OR EQUALS.
3. ACCESS IS 1/4" ALUMINUM DIAMOND PLATE COVER WITH ALUMINUM FRAME. HATCH TO BE FURNISHED WITH 316 STAINLESS STEEL SLAM LOCK & HINGES.

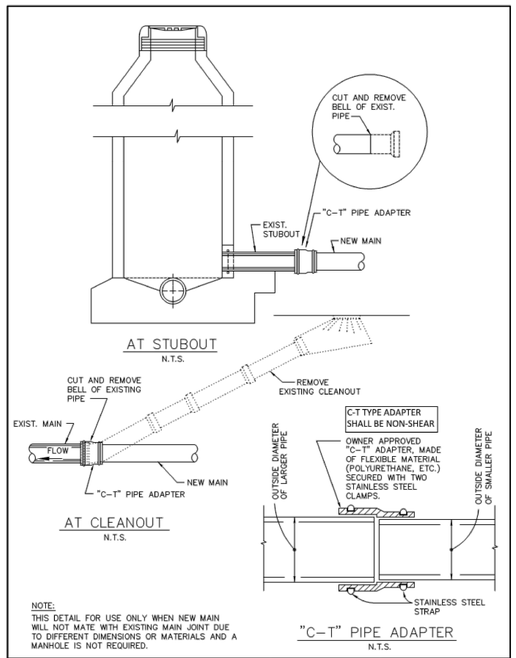
ITEM	DESCRIPTION
1	FLANGE COUPLING ADAPTER
2	MASTER METER OCTAVE METER
3	STRAPPING SADDLE W/2" NPT PLUG
4	DOUBLE CHECK ASSEMBLY
5	FLG X P.E. SPOOL, D.I.
6	FLG NRS GATE VALVE

IRRIGATION WATER METER VAULT	CITY OF ROCKWALL	
3", 4" OR 6" LINE		DATE AUG '19 / DRAWING NO. R-4160

RECORD DRAWING

THIS DRAWING HAS BEEN REVISED TO SHOW THOSE CHANGES DURING THE CONSTRUCTION PROCESS REPORTED BY ADOLFSON & PETERSON CONSTRUCTION TO KIMLEY-HORN AND ASSOCIATES. THIS DRAWING IS NOT GUARANTEED TO BE "AS-BUILT" BUT IS BASED ON THE INFORMATION MADE AVAILABLE.

Date: 03/20/2023 By: CHRIS FERGUSSON P.E.



AT STUBOUT

N.T.S.

AT CLEANOUT

N.T.S.

NOTE:
THIS DETAIL FOR USE ONLY WHEN NEW MAIN WILL NOT MATE WITH EXISTING MAIN JOINT DUE TO DIFFERENT DIMENSIONS OR MATERIALS AND A MANHOLE IS NOT REQUIRED.

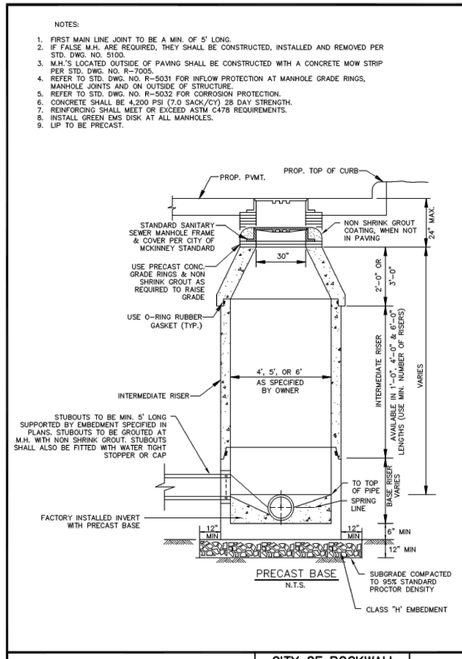
"C-T" PIPE ADAPTER

N.T.S.

WASTEWATER MAIN TIE-IN AT CLEANOUT OR M.H. STUBOUT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.10
		DATE Mar. 2018 / STANDARD DRAWING NO. R-5010

NOTES:

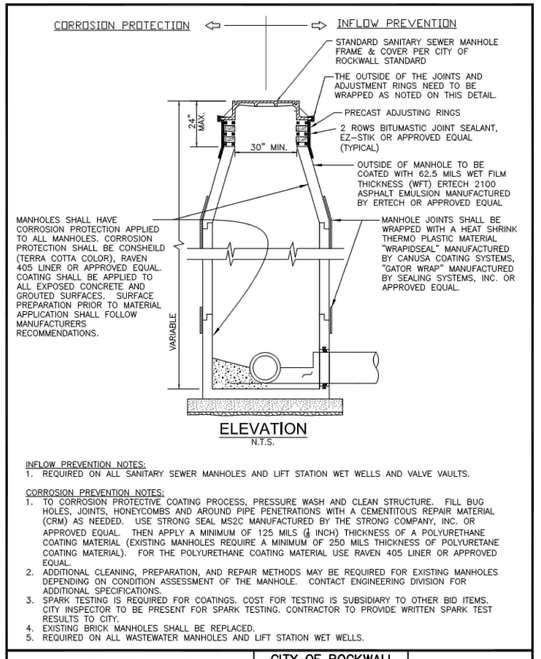
1. FIRST MAIN LINE JOINT TO BE A MIN. OF 5' LONG.
2. IF FALSE M.H. ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED AND REMOVED PER STD. DWG. NO. S100.
3. M.H.'S LOCATED OUTSIDE OF PAVING SHALL BE CONSTRUCTED WITH A CONCRETE MOW STRIP PER STD. DWG. NO. R-7005.
4. REFER TO STD. DWG. NO. R-5031 FOR INFLOW PROTECTION AT MANHOLE GRADE RINGS, MANHOLE JOINTS AND ON OUTSIDE OF STRUCTURE.
5. REFER TO STD. DWG. NO. R-5032 FOR CORROSION PROTECTION.
6. CONCRETE SHALL BE 4,200 PSI (7.0 SACK/CY) 28 DAY STRENGTH.
7. REINFORCING SHALL MEET OR EXCEED ASTM C478 REQUIREMENTS.
8. INSTALL GREEN EMS DISK AT ALL MANHOLES.
9. LIP TO BE PRECAST.



PRECAST BASE

N.T.S.

WASTEWATER MANHOLE PRECAST	CITY OF ROCKWALL	
		DATE AUG '19 / DRAWING NO. R-5020



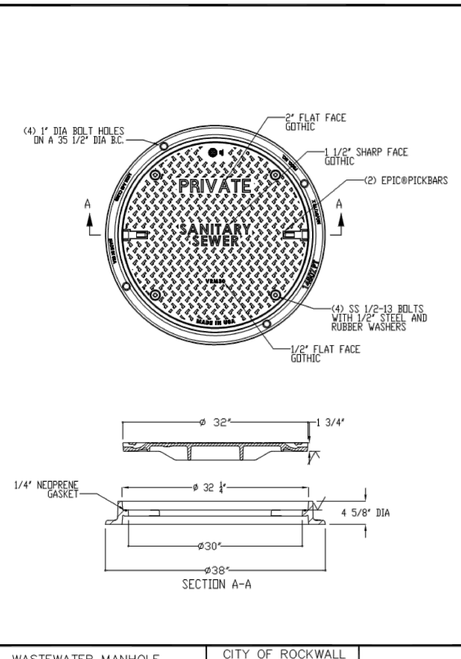
ELEVATION

N.T.S.

INFLOW PREVENTION NOTES:
1. REQUIRED ON ALL SANITARY SEWER MANHOLES AND LIFT STATION WET WELLS AND VALVE VAULTS.

CORROSION PREVENTION NOTES:
1. TO CORROSION PROTECTIVE COATING PROCESS, PRESSURE WASH AND CLEAN STRUCTURE. FILL BUG HOLES, JOINTS, HONEYCOMBS AND AROUND PIPE PENETRATIONS WITH A CEMENTITOUS REPAIR MATERIAL (CRM) AS NEEDED. USE STRONG SEAL MS2C MANUFACTURED BY THE STRONG COMPANY, INC. OR APPROVED EQUAL. THEN APPLY A MINIMUM OF 125 MILS (⅛ INCH) THICKNESS OF A POLYURETHANE COATING MATERIAL (EXISTING MANHOLES REQUIRE A MINIMUM OF 250 MILS THICKNESS OF POLYURETANE COATING MATERIAL). FOR THE POLYURETHANE COATING MATERIAL USE RAVEN 405 LINER OR APPROVED EQUAL.
2. ADDITIONAL CLEANING, PREPARATION, AND REPAIR METHODS MAY BE REQUIRED FOR EXISTING MANHOLES DEPENDING ON CONDITION ASSESSMENT OF THE MANHOLE. CONTACT ENGINEERING DIVISION FOR ADDITIONAL SPECIFICATIONS.
3. SPARK TESTING IS REQUIRED FOR COATINGS. COST FOR TESTING IS SUBSIDIARY TO OTHER BID ITEMS. CITY INSPECTOR TO BE PRESENT FOR SPARK TESTING. CONTRACTOR TO PROVIDE WRITTEN SPARK TEST RESULTS TO CITY.
4. EXISTING BRICK MANHOLES SHALL BE REPLACED.
5. REQUIRED ON ALL WASTEWATER MANHOLES AND LIFT STATION WET WELLS.

WASTEWATER MANHOLE INFLOW PREVENTION & CORROSION PROTECTION	CITY OF ROCKWALL	
		DATE AUG '19 / DRAWING NO. R-5031



SECTION A-A

WASTEWATER MANHOLE PRIVATE RIM AND COVER	CITY OF ROCKWALL	
		DATE AUG '19 / DRAWING NO. R-5103

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No.	REVISIONS	DATE	BY
1	BID ADDENDUM 1	02/07/2020	BKW
2	BID ADDENDUM 2	06/02/2020	ABG

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

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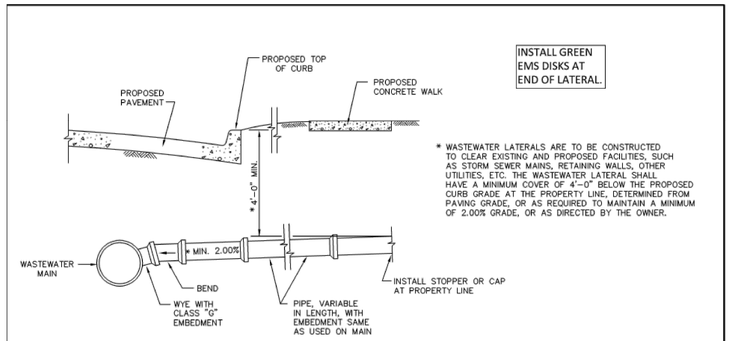
STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401	DATE 07/06/2020	SCALE AS SHOWN	DESIGNED BY CBF	DRAWN BY TAD	CHECKED BY CBF

CITY OF ROCKWALL STANDARD DETAILS (2 OF 3)

ROCKWALL COUNTY JAIL RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-701



WASTEWATER LATERAL STUBOUT
(FOR FUTURE CONNECTION, 4" OR 6" AS SPECIFIED)
N.T.S.

STANDARD DRAWING OR DRAWING REFERENCE	WASTEWATER LATERAL STUBOUT IN ADVANCE OF PAVING	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.10	
R-5150			DATE Mar. 2018	STANDARD DRAWING NO. R-5150

RECORD DRAWING
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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

No.	REVISIONS	DATE	BY
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2	BID ADDENDUM 2	06/02/2020	ABG

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
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PHONE: 972-770-1300 FAX: 972-239-3820
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STATE OF TEXAS
CHRIS B. FERGUSSON
120451
LICENSED
PROFESSIONAL ENGINEER
07/06/2020

KHA PROJECT 064510401
DATE 07/06/2020
SCALE AS SHOWN
DESIGNED BY CBF
DRAWN BY TAD
CHECKED BY CBF

CITY OF ROCKWALL STANDARD DETAILS (3 OF 3)

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
C-702

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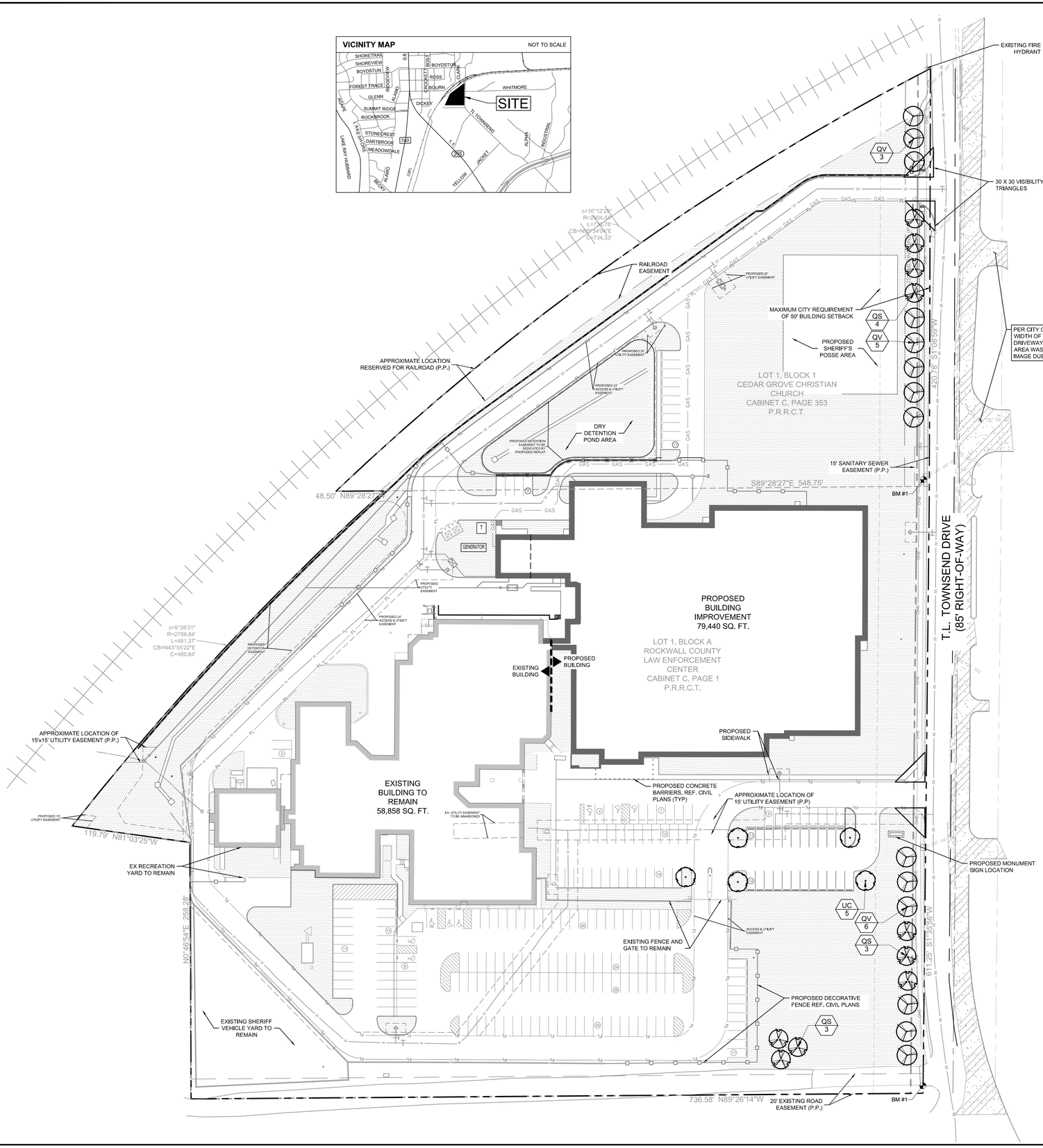

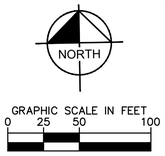

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	ROOT	CAL	SIZE	REMARKS
	UC	5	ULMUS CRASSIFOLIA / CEDAR ELM	B & B	4" CAL.	14`-16` HT.	SINGLE STRAIGHT CENTRAL LEADER, FULL
	QV	14	QUERCUS VIRGINIANA / LIVE OAK	B & B	4" CAL.	16`-18` HT.	FULL
	QS	10	QUERCUS SHUMARDII / SHUMARD RED OAK	B & B	4" CAL.	16`-18` HT.	SINGLE STRAIGHT CENTRAL LEADER, FULL

GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	ROOT	SIZE	SPACING	REMARKS
	SOD	187,389 SF	CYNODON DACTYLON / BERMUDA GRASS	N/A	N/A	N/A	SOD TO HAVE TIGHT, SAND FILLED JOINTS AND BE FREE OF WEEDS.

NOTE:
TEMPORARY IRRIGATION IS TO BE PROVIDED UNTIL LANDSCAPE IS ESTABLISHED. CONTRACTOR TO COORDINATE DESIGN/BUILD TEMPORARY IRRIGATION SYSTEM WITH OWNER.

City of Rockwall Landscape

	Required	Provided
1 tree every 50' of frontage. T.L. Townsend Drive: 1,032'/50 = 21 trees	21 trees	21 trees

NOTE:
ALL TREES TO BE A MINIMUM 5' FROM ALL PUBLIC UTILITIES LESS THAN 10" IN DIA. AND 10' FROM ALL PUBLIC UTILITIES GREATER THAN OR EQUAL TO 10" IN DIA.

SITE DATA

EX. ZONING:	LIGHT INDUSTRIAL AND COMMERCIAL
TOTAL LOT AREA	13.36± AC. (581,949.69 SQ.FT.)
BUILDING SQUARE FOOTAGE (FOR PARKING CALCULATION)	135,100± SQ.FT.
PARKING REQUIRED (BY APPLYING GOVERNMENT BUILDING USE DESIGNATION - CITY OF ROCKWALL TO EVALUATE APPLICABILITY)	267 SPACES
PARKING PROVIDED (AMOUNT OF PARKING VETTED BY SHERIFF'S STAFF TO FORECAST DEMAND)	231 SPACES
HANDICAP PARKING REQUIRED	7 SPACES
HANDICAP PARKING PROVIDED	7 SPACES

RECORD DRAWING
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Date: 03/20/2023 By: CHRIS FERGUSSON P.E.

Know what's below. Call before you dig.

NTMWD UTILITIES LOCATED BY NTMWD NOT 811

CAUTION!!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

PLANTING PLAN
ROCKWALL CORRECTIONAL IMPROVEMENT

LOT 1, BLOCK 1 AND BLOCK A
13.3597 ACRES, ROCKWALL COUNTY LAW ENFORCEMENT CENTER
CITY OF ROCKWALL , ROCKWALL COUNTY, TEXAS

OWNER:
ROCKWALL COUNTY
101 E. RUSK STREET
ROCKWALL, TEXAS 75087
CONTACT: DENNIS BAILEY
PHONE: 972-204-6000

LANDSCAPE ARCHITECT:
KIMLEY-HORN AND ASSOCIATES, INC.
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700
DALLAS, TEXAS 75240
PHONE: 972-770-1300
CONTACT: PAT HART, PLA, LEED AP

No.	REVISIONS	DATE	BY

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER
SUITE 700, DALLAS, TX 75240
PHONE: 972-770-1300 FAX: 972-239-3820
WWW.KIMLEY-HORN.COM TX F-928
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REGISTERED LANDSCAPE ARCHITECT
PATRICK B. HART
2833
STATE OF TEXAS
07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	BDM
DRAWN BY	BDM
CHECKED BY	PBH

PLANTING PLAN

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
LP 1.00

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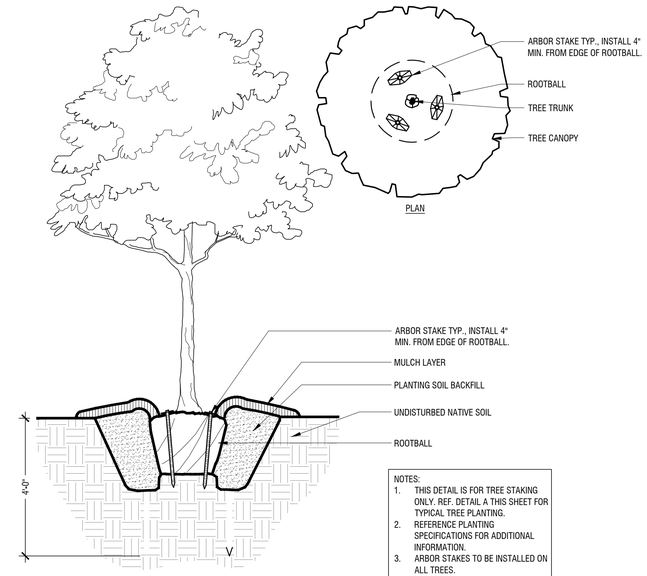
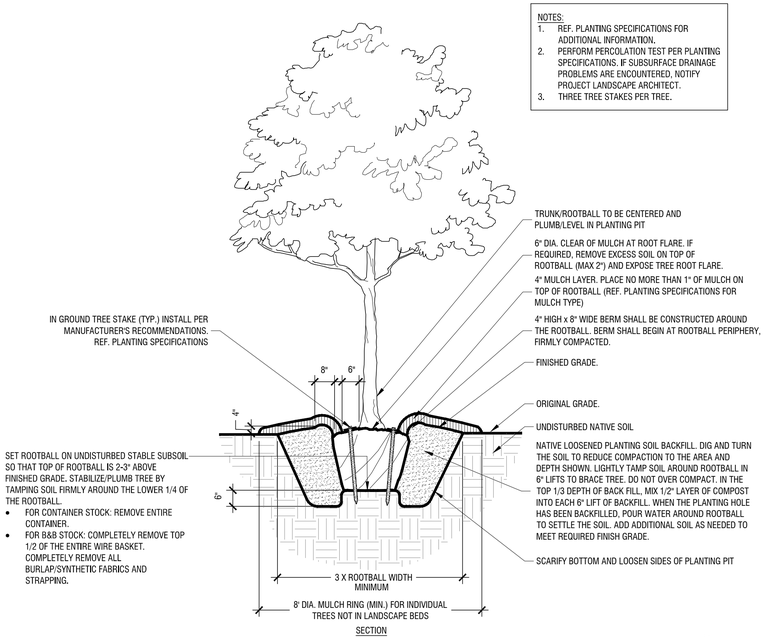


NOTES:
1. THIS DETAIL IS FOR TREE STAKING ONLY. REF. DETAIL A THIS SHEET FOR TYPICAL TREE PLANTING.
2. REFERENCE PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. ARBOR STAKES TO BE INSTALLED ON ALL TREES.

SURFACE LEVEL TREE STAKING

Scale: NTS

B



NOTES:
1. REF. PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. PERFORM PERCOLATION TEST PER PLANTING SPECIFICATIONS. IF SUBSURFACE DRAINAGE PROBLEMS ARE ENCOUNTERED, NOTIFY PROJECT LANDSCAPE ARCHITECT.
3. THREE TREE STAKES PER TREE.

TYPICAL TREE PLANTING (UP TO 3" CALIPER)

Scale: NTS

A

RECORD DRAWING

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ROCKWALL CORRECTIONAL IMPROVEMENT

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CITY OF ROCKWALL , ROCKWALL COUNTY, TEXAS

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REGISTERED LANDSCAPE ARCHITECT
PATRICK B. HART
2833
STATE OF TEXAS

07/06/2020

KHA PROJECT	064510401
DATE	07/06/2020
SCALE	AS SHOWN
DESIGNED BY	BDM
DRAWN BY	BDM
CHECKED BY	PBH

PLANTING DETAILS

ROCKWALL COUNTY JAIL
RENOVATION AND EXPANSION
PREPARED FOR
ROCKWALL COUNTY
ROCKWALL
TEXAS

SHEET NUMBER
LP 3.00

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