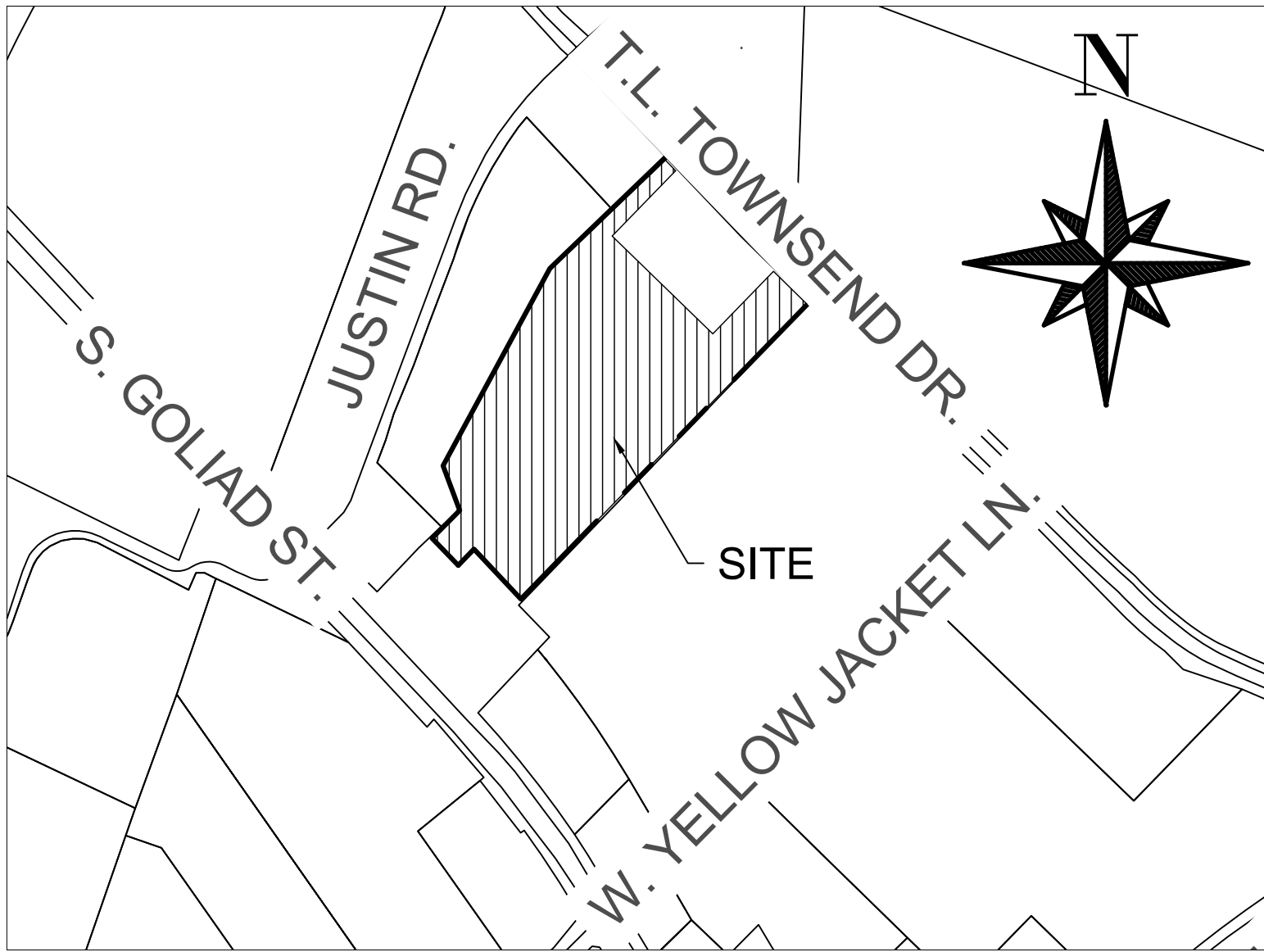


CONSTRUCTION PLANS
FOR
ALDERS AT ROCKWALL
LOT 1, BLOCK A
IN THE
CITY OF ROCKWALL,
ROCKWALL COUNTY, TEXAS

ESTIMATED CONSTRUCTION START DATE: JANUARY 2019



LOCATION MAP
N.T.S.

DEVELOPER:
ALDERS AT ROCKWALL
PROPERTY, LLC
1625 CLARK SPRINGS DR.
ALLEN, TEXAS 75002
(469) 446-1276
CONTACT: BART TINSLEY

ARCHITECT:
ARCHITECTTURA, INC.
808 18TH STREET
PLANO, TEXAS 75074
(972) 509-0088
CONTACT: FRANK POLLACIA

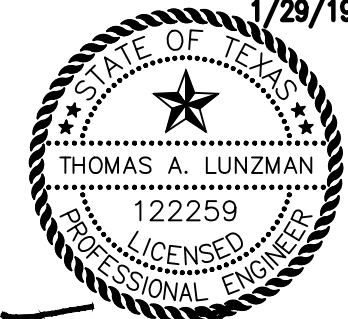
OWNER:
ALDERS AT ROCKWALL
PROPERTY, LLC
1625 CLARK SPRINGS DR.
ALLEN, TEXAS 75002
(469) 446-1276
CONTACT: BART TINSLEY

SURVEYOR:
MILLER SURVEYING, INC.
430 MID CITIES BLVD. HURST,
TEXAS 76054
(817) 577-1052
CONTACT: JASON RAWLINGS

CIVIL ENGINEER:

BURGESS & NIPLE

10701 CORPORATE DRIVE, SUITE 118
STAFFORD, TX 77477
PHONE: (281)980-7705
TBPE FIRM REGISTRATION NO. F-10834
CONTACT: JOSEPH T. REUE



11/13/20
01/21/20
12/06/19
11/13/19
9/19/19
7/17/19
5/17/19
2/21/19
1/29/19

Sheet List Table	
Sheet Number	Sheet Title
C.01	COVER SHEET
C.02.A	FINAL PLAT (1 OF 3 - FOR REFERENCE ONLY)
C.02.B	FINAL PLAT (2 OF 3 - FOR REFERENCE ONLY)
C.02.C	FINAL PLAT (3 OF 3 - FOR REFERENCE ONLY)
C.03	SITE PLAN
C.04	GENERAL NOTES
C.05	DIMENSION CONTROL & PAVING PLAN
C.06	TRAFFIC CONTROL PLAN
C.07	EROSION CONTROL PLAN
C.08	GRADING PLAN (SHEET 1 OF 2)
C.09	GRADING PLAN (SHEET 2 OF 2)
C.10	DRAINAGE AREA MAP (PRE)
C.11	DRAINAGE AREA MAP (POST)
C.12	DRAINAGE CALCULATIONS
C.13	STORM DRAINAGE PLAN
C.14	STORM DRAINAGE PROFILES (SHEET 1 OF 3)
C.15	STORM DRAINAGE PROFILES (SHEET 2 OF 3)
C.16	STORM DRAINAGE PROFILES (SHEET 3 OF 3)
C.17	STORM DETENTION PLAN
C.18	SANITARY SEWER PLAN
C.19	WATER PLAN
C.20	UTILITY PROFILES (SHEET 1 OF 2)
C.21	UTILITY PROFILES (SHEET 2 OF 2)
C.22	NCTCOG EROSION CONTROL DETAILS
C.23	NCTCOG STORMWATER DETAILS

L0.01 LANDSCAPE/TREESCAPE PLAN
L0.02 LANDSCAPE/TREESCAPE PLAN, NOTES & SPECIFICATIONS
L0.03 OPEN SPACE/AMENITY PLAN

RECORD DRAWING

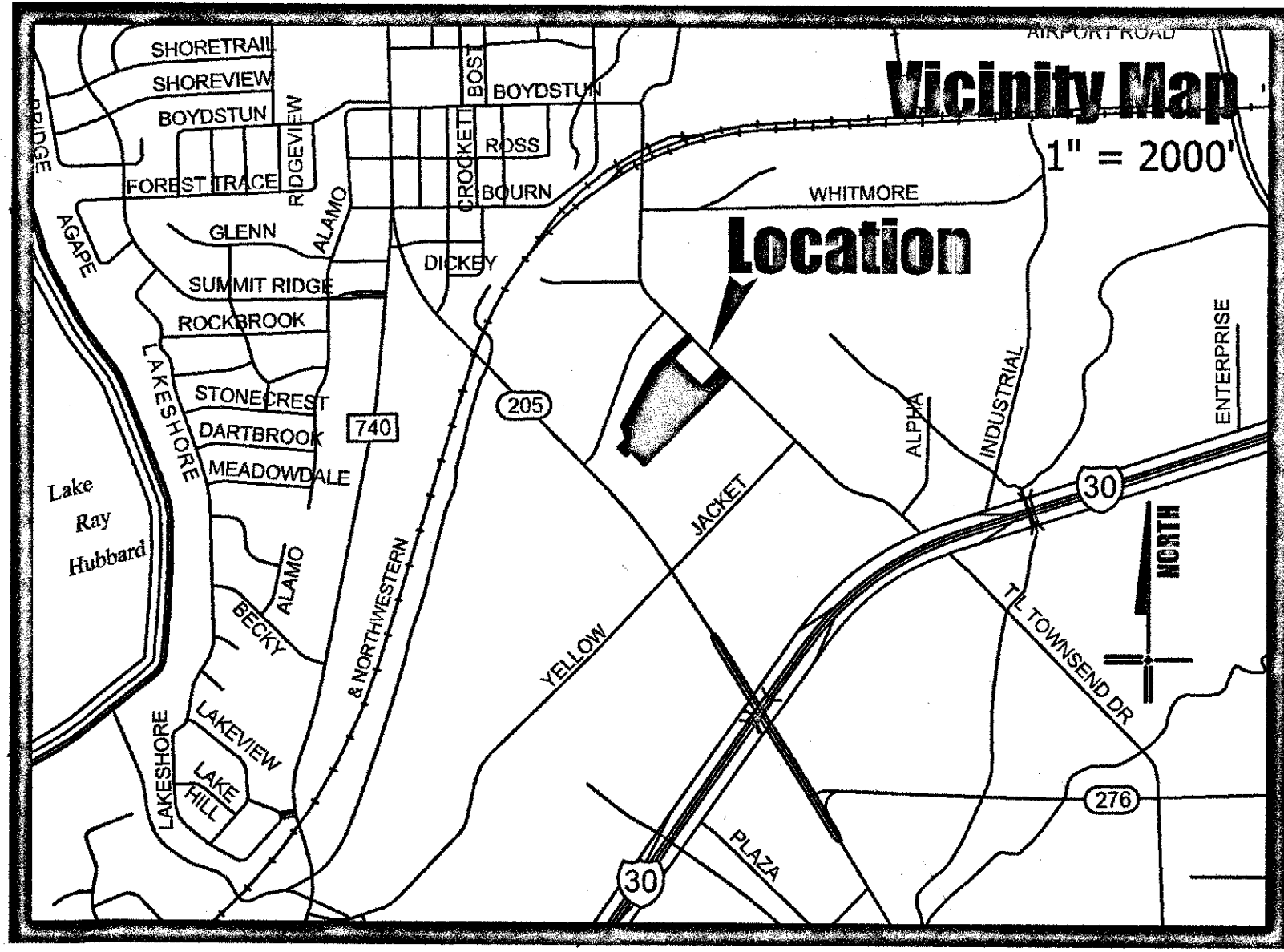
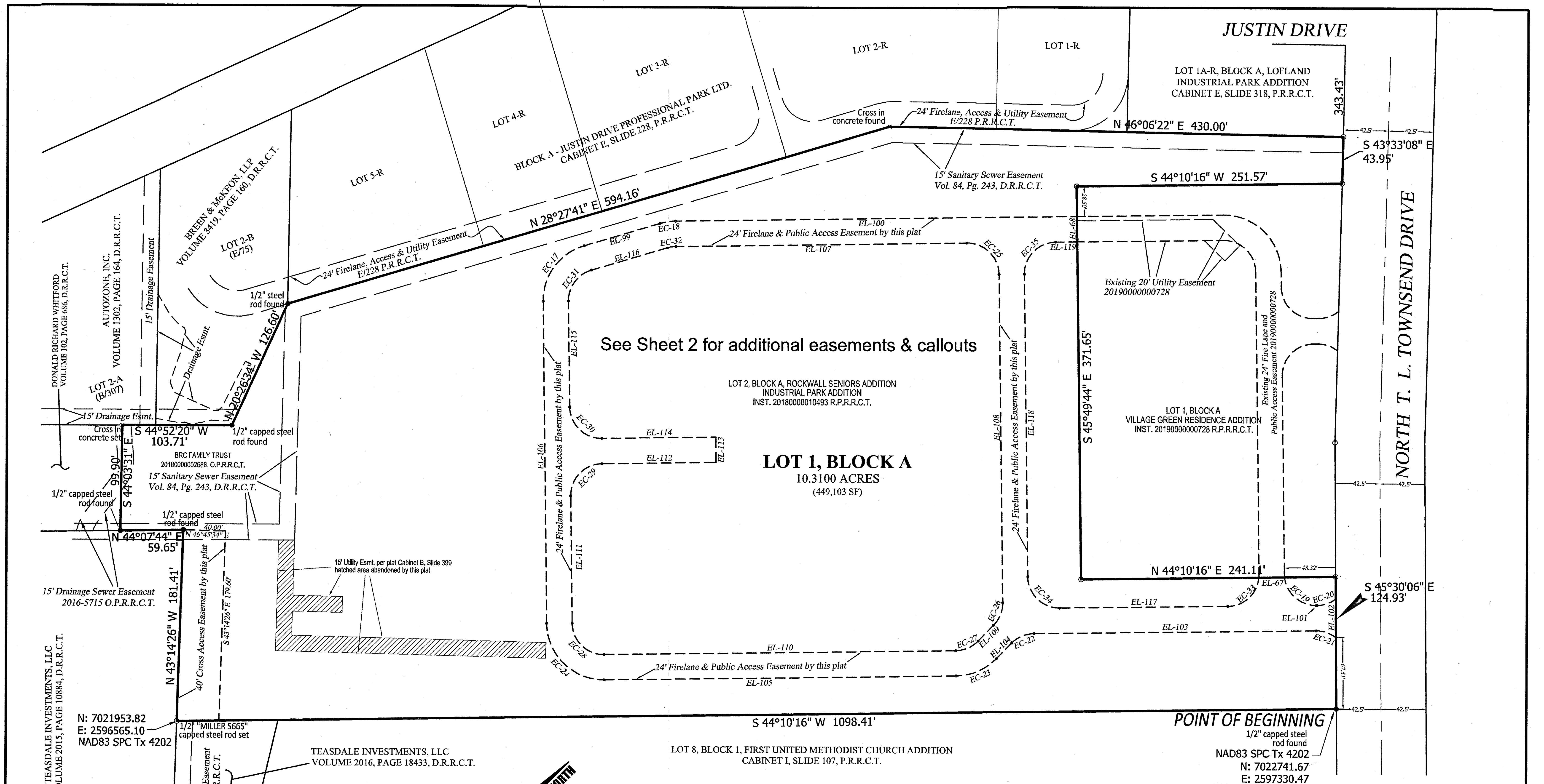
THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED
BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD,
SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS
AS=BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT
THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

Thomas A. Lunzman

THOMAS A. LUNZMAN P.E.

02/08/2021

DATE



MILLER SURVEYING, INC.
EST. 1985

Graphic Scale in Feet: 0, 60, 120, 180. 1" = 60'

MILLER Surveying, Inc.
Commercial • Residential • Municipal
430 Mid Cities Blvd. 817-577-1052
Hurst, Texas 76054 TXLSF No. 10100400
millersurvey.net

Owner/Applicant:
Alders at Rockwall Property, LLC
1625 Clarke Springs Drive
Allen, Texas 75002
Bart Tinsley
469-446-1276
Email: bart@alder-group.com

Engineer:
Burgess & Niple
Joseph T. Reue, P.E.
10701 Corporate Drive, Suite 118
Stafford, Texas 77477
281-980-7705 x6301
Email: joseph.reue@burgessniple.com

STATE OF TEXAS
REGISTERED
JASON B. RAWLINGS
5665
PROFESSIONAL
LAND SURVEYOR

RECOMMENDED FOR FINAL APPROVAL

Planning and Zoning Commission
Date: 10/11/18

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 11 day of October 2018.

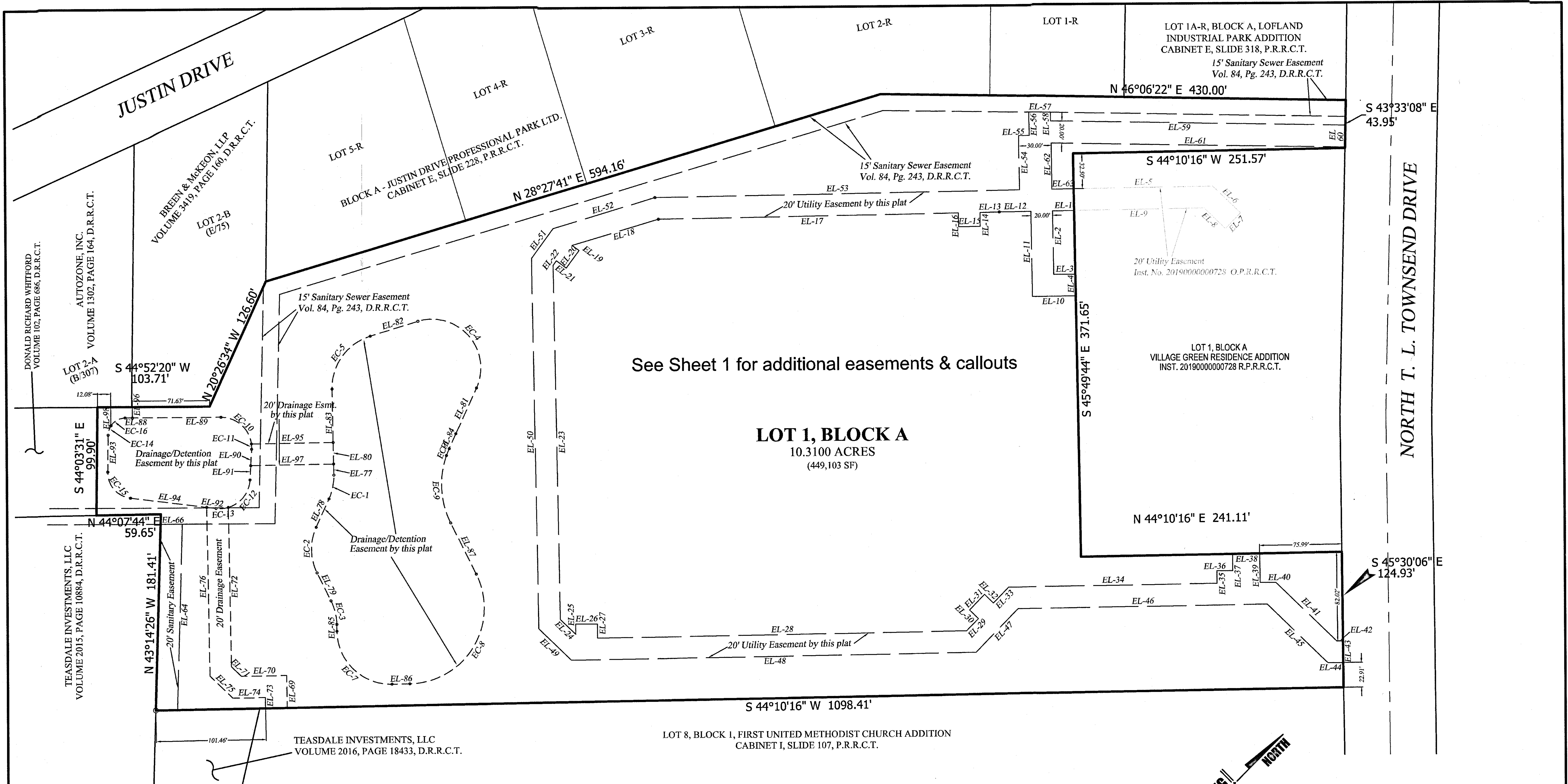
This approval shall be invalid unless the approved plat for such addition is recorded in the office of the County Clerk of Rockwall, County, Texas, within one hundred eighty (180) days from said date of final approval.

WITNESS OUR HANDS, this 18th day of June 2019

Mayor, City of Rockwall
City Secretary
City Engineer

FINAL PLAT
ALDERS AT ROCKWALL
LOT 1, BLOCK A
An addition to the City of Rockwall, Rockwall County, Texas
Being Lot 2, Block A, Rockwall Seniors Addition
An addition to the City of Rockwall, Texas according to the plat thereof
recorded as Instrument No. 20180000010493 of the Real Property Records
Rockwall County, Texas
And being 10.3100 acres of land out of the
B. J. LEWIS SURVEY, ABSTRACT NO. 325
Prepared September 2018

SHEET 1 OF 3
City Case No. P2018-035
Job No. 17062 • Plot File 17062 Alders 18x24



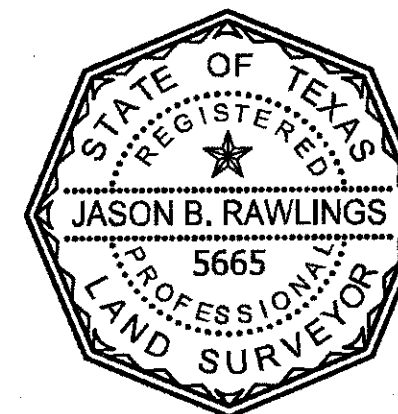
Curve	Arc	Radius	Central Angle	Chord	
EC-1	22.60'	51.00'	25°23'14"	S 33°08'11" E	22.41'
EC-2	43.42'	49.00'	50°46'27"	S 45°49'48" E	42.02'
EC-3	22.60'	51.00'	25°23'14"	S 58°31'25" E	22.41'
EC-4	102.96'	45.00'	131°05'45"	N 85°59'27" W	81.93'
EC-5	64.59'	50.00'	74°00'59"	S 08°49'19" E	60.19'
EC-6	6.81'	80.00'	4°52'49"	N 22°52'59" W	6.81'
EC-7	78.54'	50.00'	89°59'56"	N 89°10'14" E	70.71'
EC-8	140.97'	70.00'	115°23'17"	N 13°31'23" W	118.33'
EC-9	64.08'	80.00'	45°53'38"	N 48°16'13" W	62.38'
EC-10	40.87'	28.00'	83°38'16"	S 86°41'28" W	37.34'
EC-11	4.78'	28.00'	9°47'03"	N 46°35'52" W	4.78'
EC-12	34.42'	28.00'	70°25'54"	N 06°29'24" W	32.29'
EC-13	11.46'	28.00'	23°26'45"	N 40°26'56" E	11.38'
EC-14	9.26'	16.00'	33°08'50"	S 27°29'06" E	9.13'
EC-15	35.09'	24.00'	83°46'10"	S 85°56'36" E	32.05'
EC-16	15.58'	16.00'	55°47'01"	S 16°58'50" W	14.97'
EC-17	70.02'	54.00'	74°17'26"	S 08°41'01" E	65.21'
EC-18	14.81'	54.00'	15°42'34"	S 36°18'58" W	14.76'
EC-19	43.93'	30.00'	83°54'07"	N 86°07'19" E	40.11'
EC-20	19.11'	30.00'	36°30'01"	N 25°55'13" E	18.79'
EC-21	20.29'	30.00'	38°45'24"	S 63°32'57" W	19.91'
EC-22	23.56'	30.00'	45°00'00"	S 21°40'15" W	22.96'
EC-23	42.41'	54.00'	45°00'00"	N 21°40'15" E	41.33'
EC-24	84.82'	54.00'	90°00'00"	N 89°10'16" E	76.37'
EC-25	47.12'	30.00'	90°00'03"	S 89°10'15" W	42.43'
EC-26	23.56'	30.00'	45°00'00"	N 23°19'45" W	22.96'
EC-27	23.56'	30.00'	45°00'00"	N 21°40'15" E	22.96'
EC-28	47.12'	30.00'	90°00'00"	N 89°10'16" E	42.43'
EC-29	47.12'	30.00'	90°00'00"	S 00°49'44" E	42.43'
EC-30	47.12'	30.00'	90°00'00"	N 89°10'16" E	42.43'
EC-31	38.90'	30.00'	74°17'26"	S 08°41'01" E	36.23'
EC-32	8.23'	30.00'	15°42'34"	S 36°18'58" W	8.20'
EC-33	43.93'	30.00'	83°54'08"	N 02°13'11" E	40.11'
EC-34	47.12'	30.00'	90°00'00"	N 89°10'15" E	42.43'
EC-35	47.12'	30.00'	90°00'03"	S 00°49'44" E	42.43'

Line	Bearing	Distance
EL-1	S 44°10'16" W	19.94'
EL-2	S 45°49'44" E	58.63'
EL-3	N 44°10'16" E	19.94'
EL-4	S 45°49'44" E	20.00'
EL-5	N 44°10'16" E	128.66'
EL-6	N 89°10'15" E	35.58'
EL-7	S 00°49'45" E	20.00'
EL-8	S 89°10'15" W	27.29'
EL-9	S 44°10'16" W	120.37'
EL-10	S 44°10'16" W	39.94'
EL-11	N 45°49'44" W	78.63'
EL-12	S 44°10'16" W	29.06'
EL-13	S 44°10'16" W	17.90'
EL-14	S 45°49'44" E	12.76'
EL-15	S 44°10'16" W	20.00'
EL-16	N 45°49'44" W	12.76'
EL-17	S 44°10'16" W	277.43'
EL-18	S 28°27'41" W	83.33'
EL-19	N 81°18'59" E	7.92'
EL-20	S 08°41'01" E	20.00'
EL-21	S 81°18'59" W	11.34'
EL-22	S 08°41'01" E	5.15'
EL-23	S 45°49'44" E	326.90'
EL-24	N 89°10'16" E	19.89'
EL-25	N 45°49'44" W	9.35'
EL-26	N 44°10'16" E	20.00'
EL-27	S 45°49'44" E	13.26'
EL-28	N 44°10'16" E	341.48'
EL-29	N 00°49'45" W	15.62'
EL-30	S 89°10'15" W	11.50'
EL-31	N 00°49'45" W	20.00'
EL-32	N 89°10'15" E	11.50'
EL-33	N 00°49'45" W	20.18'
EL-34	N 44°10'15" E	192.87'
EL-35	N 45°49'45" W	11.50'

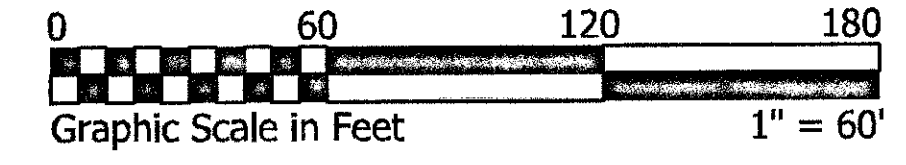
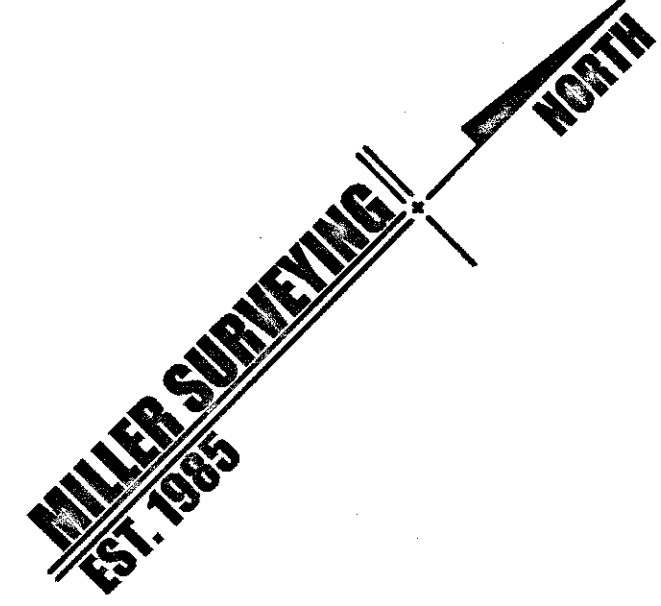
Line	Bearing	Distance
EL-36	N 44°10'15" E	14.72'
EL-37	S 45°49'45" W	15.31'
EL-38	N 44°10'15" E	25.00'
EL-39	S 45°49'45" E	26.81'
EL-40	N 44°10'15" E	14.42'
EL-41	N 89°10'15" E	77.90'
EL-42	N 45°19'35" E	6.02'
EL-43	S 45°30'06" E	20.00'
EL-44	S 45°19'35" W	14.36'
EL-45	S 89°10'15" W	77.66'
EL-46	S 44°10'15" W	230.45'
EL-47	S 00°49'45" E	55.79'
EL-48	S 44°10'16" W	374.14'
EL-49	S 89°10'16" W	41.98'
EL-50	N 08°41'01" E	341.91'
EL-51	N 08°41'01" E	34.07'
EL-52	N 28°27'41" W	98.48'
EL-53	N 44°10'16" E	337.15'
EL-54	N 45°49'44" W	49.86'
EL-55	N 44°10'16" E	10.00'
EL-56	N 45°49'44" W	21.45'
EL-57	N 46°06'22" E	20.01'
EL-58	S 45°49'44" E	8.00'
EL-59	N 46°06'22" E	272.50'
EL-60	S 43°44'24" E	20.00'
EL-61	S 46°06'22" W	271.77'
EL-62	S 45°49'44" E	42.62'
EL-63	N 44°10'16" E	19.94'
EL-64	S 43°14'26" E	171.70'
EL-65	S 45°00'00" W	15.02'
EL-66	N 44°10'16" E	24.34'
EL-67	N 44°10'16" E	24.00'
EL-68	S 45°49'44" E	24.00'
EL-69	S 45°49'44" E	30.00'
EL-70	N 44°10'16" E	41.67'

Line	Bearing	Distance
EL-71	N 89°10'16" E	12.93'
EL-72	S 45°49'44" E	147.12'
EL-73	S 45°49'44" E	10.00'
EL-74	N 44°10'16" E	29.96'
EL-75	N 89°10'16" E	29.50'
EL-76	S 45°49'44" E	155.88'
EL-77	S 45°49'48" E	10.21'
EL-78	S 20°26'34" E	28.85'
EL-79	S 71°13'02" E	28.85'
EL-80	S 45°49'48" E	20.00'
EL-81	N 20°26'34" W	46.22'
EL-82	S 28°11'11" W	46.21'
EL-83	S 45°49'48" E	49.22'
EL-84	N 20°26'34" W	15.19'
EL-85	S 45°49'48" E	6.33'
EL-86	N 44°10'16" E	16.57'
EL-87	N 71°13'02" W	52.81'
EL-88	S 44°52'20" W	6.69'
EL-89	S 44°52'20" W	81.88'
EL-90	N 41°42'20" W	15.26'
EL-91	N 41°42'20" W	13.20'
EL-92	N 52°10'19" E	8.73'
EL-93	S 44°03'31" E	34.12'
EL-94	N 52°10'19" E	70.91'
EL-95	N 44°10'16" E	75.67'
EL-96	S 45°49'44" E	10.00'
EL-97	N 44°10'16" E	76.70'
EL-98	S 45°49'44" E	17.00'
EL-99	S 28°27'41" W	75.07'
EL-100	S 44°10'16" W	380.20'
EL-101	S 44°10'15" W	0.53'
EL-102	N 45°30'06" E	36.49'
EL-103	N 44°10'15" E	267.11'
EL-104	N 00°49'45" W	21.00'
EL-105	N 44°10'16" E	333.12'

Line	Bearing	Distance
EL-106	S 45°49'44" E	305.09'
EL-107	S 44°10'16" W	275.70'
EL-108	N 45°49'44" W	310.57'
EL-109	N 00°49'45" W	21.00'
EL-110	N 44°10'16" E	333.12'
EL-111	S 45°49'44" E	120.65'
EL-112	S 44°10'16" W	108.00'
EL-113	S 45°49'44" E	24.00'
EL-114	N 44°10'16" E	108.00'
EL-115	S 45°49'44" E	100.44'
EL-116	S 28°27'41" W	75.07'
EL-117	N 44°10'15" E	159.12'
EL-118	S 45°49'44" E	285.96'
EL-119	S 44°10'16" W	20.50'



MILLER
Surveying, Inc.
Commercial • Residential • Municipal
430 Mid Cities Blvd. Hurst, Texas 76054
817-577-1052
millerstexas.com



FINAL PLAT
ALDERS AT ROCKWALL
LOT 1, BLOCK A
An addition to the City of Rockwall, Rockwall County, Texas
Being Lot 2, Block A, Rockwall Seniors Addition
An addition to the City of Rockwall, Texas according to the plat thereof
recorded as Instrument No. 2018000010493 of the Real Property Records
Rockwall County, Texas
And being 10.3100 acres of land out of the
B. J. LEWIS SURVEY, ABSTRACT NO. 325
Prepared September 2018

SHEET 2 OF 3
City Case No. P2018-035

STATE OF TEXAS

COUNTY OF ROCKWALL

WHEREAS Alders Rockwall Property, LLC is the current sole owner of a tract of land out of the B. J. Lewis Survey, Abstract No. 225 and situated in the City of Rockwall, Rockwall County, Texas, and surveyed by Miller Surveying, Inc. of Hurst, Texas, in September of 2018, said tract being a portion of the same tract of land described in the deed to BRC Family Land Trust recorded in Document No. 2012-00480248, of the Official Public Records of Rockwall County, Texas, and being more particularly described as follows:

BEGINNING at a 1/2 inch capped steel rod found for the most easterly corner of said BRC tract, said rod being in the southwesterly right-of-way line of North T. L. Townsend Drive, and being the most northerly corner of Lot 8, Block 1, First United Methodist Church Addition, an addition to the City of Rockwall, Rockwall County, Texas, recorded in Cabinet I, Slide 107, of the Plat Records of Rockwall County, Texas;

THENCE South 44 degrees 10 minutes 16 seconds West with the northwesterly boundary line of said Lot 8 a distance of 1098.41 feet to a 1/2 inch capped "MILLER 5665" steel rod set for the most westerly corner thereof, and also being in the northeasterly boundary line of the same tract of land described in the deed to Teasdale Investments, LLC., recorded in Volume 2015, Page 10884, of the Deed Records of Rockwall County, Texas;

THENCE North 43 degrees 14 minutes 26 seconds West with the northeasterly boundary line of said Teasdale tract a distance of 181.41 feet to a 1/2 inch capped steel rod found for the most northerly corner of the said Teasdale tract;

THENCE South 44 degrees 07 minutes 44 seconds West a distance of 59.65 feet to a 1/2 inch capped steel rod found;

THENCE North 44 degrees 03 minutes 31 seconds West a distance of 99.90 feet to a cross in concrete set;

THENCE North 44 degrees 52 minutes 20 seconds East a distance of 103.71 feet to a 1/2 inch capped steel rod found;

THENCE North 20 degrees 26 minutes 34 seconds West a distance of 126.60 feet to a 1/2 inch capped steel rod found for the most southerly corner of Lot 5-R, Block A, Justin Drive Professional Park, LTD, an addition to the City of Rockwall, Rockwall County, Texas recorded in Cabinet E, Slide 228 of the Plat Records of Rockwall County, Texas;

THENCE North 28 degrees 27 minutes 41 seconds East with the southeasterly boundary line of said Block A a distance of 594.16 feet to a cross in concrete found for an angle point therein;

THENCE North 46 degrees 06 minutes 22 seconds East continuing with said southeasterly boundary line a distance of 430.00 feet to a 1/2 inch capped "MILLER 5665" steel rod set for the most easterly corner of Lot 1A-R, Block A, Lofton Industrial Park Addition, an addition to the City of Rockwall, Rockwall County, Texas recorded in Cabinet E, Slide 318 of the Plat Records of Rockwall County, Texas, said rod being in the said southwesterly right-of-way line of North T. L. Townsend Drive;

THENCE South 43 degrees 33 minutes 08 seconds East with said southwesterly right-of-way line a distance of 43.95 feet to a 1/2 inch capped "MILLER 5665" steel rod set;

THENCE South 44 degrees 10 minutes 16 seconds West a distance of 51.57 feet to a 1/2 inch "MILLER 5665" capped steel rod set;

THENCE South 45 degrees 49 minutes 44 seconds East a distance of 371.65 feet to a 1/2 inch "MILLER 5665" capped steel rod set;

THENCE North 44 degrees 10 minutes 16 seconds East a distance of 51.57 feet to a 1/2 inch "MILLER 5665" capped steel rod set in said southwesterly right-of-way line;

THENCE South 45 degrees 30 minutes 06 seconds East with said southwesterly right-of-way line a distance of 124.93 feet to the point of beginning and containing 10.3100 acres of land more or less.

Owner/Applicant:

Alders at Rockwall Property, LLC
1625 Clarke Springs Drive
Allen, Texas 75002
Bart Tinsley
469-446-1276
Email: bart@alder-group.com

Engineer:

Burgess & Niple
Joseph T. Reue, P.E.
10701 Corporate Drive, Suite 118
Stafford, Texas 77477
281-980-7705 x6301
Email: joseph.reue@burgessniple.com

SURVEYOR'S CERTIFICATE

NOW, THEREFORE KNOW ALL MEN BY THESE PRESENTS:

THAT I, Jason B. Rawlings, do hereby certify that I prepared this plat from an actual and accurate survey of the land, and that the corner monuments shown thereon were properly placed under my personal supervision.

Jason B. Rawlings
Texas Registered Professional Land Surveyor No. 5665



Filed and Recorded
Official Public Records
Shelli Miller, County Clerk
Rockwall County, Texas
07/01/2019 08:59:47 AM
\$150.00
20190000010606



Shelli Miller

MILLER
Surveying, Inc.

Commercial • Residential • Municipal
430 Mid Cities Blvd. Hurst, Texas 76054
817-577-1052
TxLSF No. 10100400
millersurvey.net

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 Lot 1, Block A, Alders at Rockwall, an 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 subdivision 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 all maintenance, repair and reconstruction of drainage and detention systems;

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.

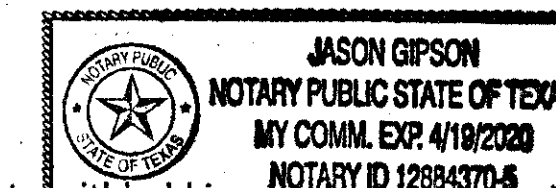
Bart Tinsley
"Alders Rockwall Property, LLC"

STATE OF TEXAS
COUNTY OF Collin

Before me, the undersigned authority, on this day personally appeared Bart Tinsley, of Alders Rockwall Property, LLC, 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 and consideration therein stated.

Given upon my hand and seal of office this 20th day of MARCH, 2019.

Notary Public in and for the State of Texas
My Commission Expires: 4/19/20



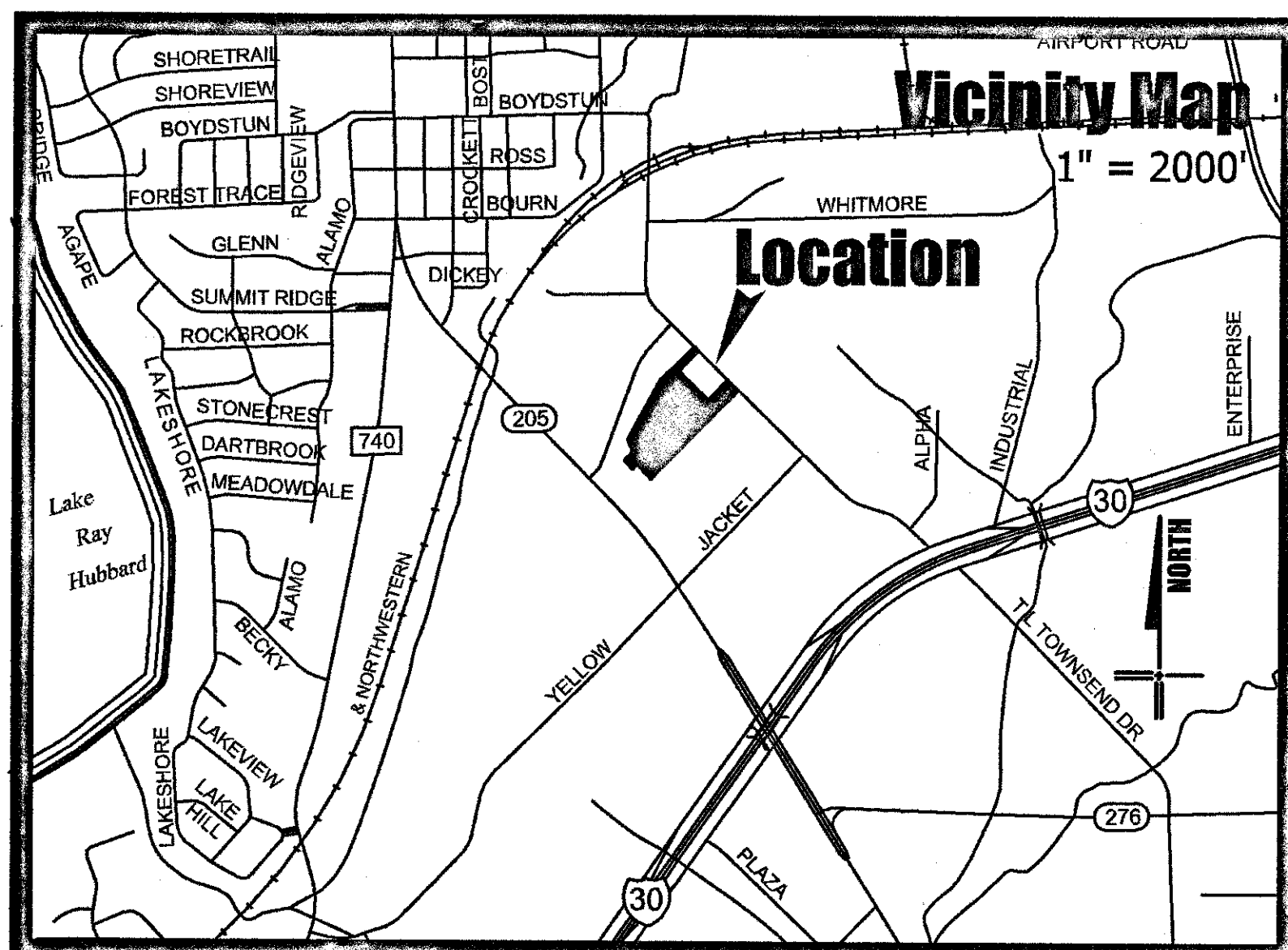
NOTE: It shall be the policy of the City of Rockwall to withhold issuing building permits until all streets, water, sewer and storm drainage systems have been accepted by the City. The approval of a plat by the City does not constitute any representation, assurance or guarantee that any building within 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.

FINAL PLAT
ALDERS AT ROCKWALL
LOT 1, BLOCK A
An addition to the City of Rockwall, Rockwall County, Texas
Being Lot 2, Block A, Rockwall Seniors Addition
An addition to the City of Rockwall, Texas according to the plat thereof
recorded as Instrument No. 20180000010493 of the Real Property Records
Rockwall County, Texas

And being 10.3100 acres of land out of the
B. J. LEWIS SURVEY, ABSTRACT NO. 325
Prepared September 2018

SHEET 3 OF 3
City Case No. P2018-035

Job No. 17062 • Plot File 17062 Alders 18x24



GENERAL NOTES (PRIVATE):

1. SURVEYS: SURVEY LAYOUT, HORIZONTAL AND VERTICAL ALIGNMENT FOR CONSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR. THE ENGINEER WILL PROVIDE THE PROPERTY CORNERS AND ONE BENCH MARK.

2. EXISTING STRUCTURES: EVERY ATTEMPT HAS BEEN MADE TO SHOW ON THE PLANS THE LOCATIONS OF ALL KNOWN SURFACE AND SUBSURFACE STRUCTURES. HOWEVER, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL OF THESE STRUCTURES ON THE PLANS, OR TO SHOW THEM IN THEIR EXACT LOCATIONS. IT IS MUTUALLY AGREED THAT SUCH FAILURE SHALL NOT BE CONSIDERED SUFFICIENT BASIS FOR CLAIMS FOR ADDITIONAL COMPENSATION FOR EXTRA WORK OR FOR INCREASING THE PAY QUANTITIES IN ANY MANNER WHATSOEVER; UNLESS THE OBSTRUCTION ENCOUNTERED IS SUCH AS TO NECESSITATE CHANGES IN THE LINE OR GRADES, OR REQUIRES THE BUILDING OF SPECIAL WORK, PROVISIONS FOR WHICH ARE NOT MADE IN THE PLANS.

3. BARRICADES AND WARNING SIGNS: CONSTRUCTION OF SIGNING AND BARRICADES SHALL CONFORM WITH THE CURRENT "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, VOLUME 1."

4. SPECIFICATIONS: CONSTRUCTION OF GRADING, PAVING AND UTILITIES SHALL BE GOVERNED BY THE SITE GEOTECHNICAL DESIGN SPECIFICATIONS AND/OR THE CITY'S STANDARDS AND SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

5. EXISTING STORM DRAIN INLETS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING STRUCTURAL INTEGRITY AND PROTECTING FROM ILLICIT RUNOFFS, ALL EXISTING STORM DRAIN INLETS.

6. VENDOR'S CERTIFICATION: ALL MATERIALS USED IN CONSTRUCTION SHALL HAVE A VENDOR'S CERTIFIED TEST REPORT. ALL VENDOR'S TEST REPORTS SHALL BE SUBJECT TO REVIEW BY THE ENGINEER, AND SHALL BE SUBJECT TO VERIFICATION BY TESTING OF SAMPLES OF MATERIALS AS RECEIVED FOR USE ON THE PROJECT. IN THE EVENT ADDITIONAL TESTS ARE REQUIRED, THEY SHALL BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY AND SHALL BE PAID FOR BY THE CONTRACTOR.

7. CLEANUP FOR FINAL ACCEPTANCE: THE CONTRACTOR SHALL MAKE A FINAL CLEAN UP OF ALL PARTS OF THE WORK AREA BEFORE ACCEPTANCE BY THE DEVELOPER OR HIS REPRESENTATIVE. THIS CLEAN UP SHALL INCLUDE REMOVAL OF ALL OBJECTIONABLE MATERIALS AND, IN GENERAL, PREPARING THE SITE OF WORK IN AN ORDERLY MANNER OF APPEARANCE.

8. PUBLIC CONVENIENCE AND SAFETY

8.1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

8.2. MATERIAL STORED ABOUT THE WORK SITE SHALL BE SO PLACED, AND THE WORK SHALL AT ALL TIME BE SO CONDUCTED, AS TO LIMIT OBSTRUCTION TO THE TRAVELING PUBLIC. THE MATERIALS EXCAVATED SHALL BE PLACED SO AS NOT TO ENDANGER THE WORK OR PREVENT FREE ACCESS TO ALL FIRE HYDRANTS, WATER VALVES, GAS VALVES, MANHOLES (TELEPHONE OR ELECTRICAL CONDUITS, AND SANITARY SEWERS) AND FIRE ALARM OR POLICE CALL BOXES IN THE VICINITY.

8.3. THE DEVELOPER RESERVES THE RIGHT TO REMEDY ANY NEGLECT ON THE PART OF THE CONTRACTOR IN REGARD TO THE PUBLIC CONVENIENCE AND SAFETY WHICH MAY COME TO THE DEVELOPER'S ATTENTION, AFTER 24 HOURS NOTICE IN WRITING TO THE CONTRACTOR, SAVE IN CASES OF EMERGENCY, WHEN THE DEVELOPER SHALL HAVE THE RIGHT TO REMEDY ANY NEGLECT WITHOUT NOTICE; AND, IN EITHER CASE, THE COST OF SUCH WORK DONE BY THE DEVELOPER SHALL BE DEDUCTED FROM THE MONIES DUE OR TO BECOME DUE THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY WHEN ANY STREET IS TO BE CLOSED OR OBSTRUCTED; SUCH NOTICE SHALL IN THE CASE OF MAJOR THOROUGHFARES OR STREETS UPON WHICH TRANSIT BY THE DEVELOPER OR THE CITY, KEEP ANY STREET OR STREETS IN CONDITION FOR UNOBSTRUCTED USE BY EMERGENCY SERVICES. WHERE THE CONTRACTOR IS REQUIRED TO CONSTRUCT TEMPORARY BRIDGES OR TO MAKE OTHER ARRANGEMENTS FOR CROSSING OVER DITCHES OR STREAMS, HIS RESPONSIBILITY FOR ACCIDENTS SHALL INCLUDE THE ROADWAY APPROACHES AS WELL AS THE STRUCTURES OF SUCH CROSSINGS.
9. PROPERTY LINES AND MONUMENTS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET AT THE EXPENSE OF THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR PERMISSION TO ANY ADJACENT PROPERTIES AS NEEDED FOR ACCESS OR CONSTRUCTION.
10. WATER FOR CONSTRUCTION: THE CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR PURCHASING WATER AND/OR METERS FROM THE CITY.
11. PARKING OF CONSTRUCTION EQUIPMENT: AT NIGHT AND DURING ALL OTHER PERIODS OF TIME WHEN EQUIPMENT IS NOT BEING ACTIVELY USED ON THE CONSTRUCTION WORK, THE CONTRACTOR SHALL PARK THE EQUIPMENT AT LOCATIONS, WHICH ARE APPROVED BY THE DEVELOPER. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES, MARKERS AND LIGHTS TO PROTECT THE DEVELOPER, THE CITY, THE PUBLIC AND WORKERS. ALL BARRICADES, LIGHTS, AND MARKERS MUST MEET THE REQUIREMENTS OF CITY, STATE AND FEDERAL REGULATIONS.
12. ACCESS ROUTES, STAGING AREAS AND STORAGE AREAS: ALL HAUL ROADS AND ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND DEVELOPER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL ROADS AND OTHER FACILITIES USED DURING CONSTRUCTION. UPON COMPLETION OF THE PROJECT ALL EXISTING ROADS SHALL BE LEFT IN A CONDITION EQUAL TO OR BETTER THAN THAT FOUND AT THE TIME THE CONTRACTOR COMMENCES WORK ON THIS PROJECT.
13. EXISTING UTILITIES: THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT HE MAY NEGOTIATE SUCH LOCAL ADJUSTMENTS AS NECESSARY IN THE CONSTRUCTION PROCESS TO PROVIDE ADEQUATE CLEARANCES. ANY DAMAGE TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT HIS/HER EXPENSE.
THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL EXISTING STRUCTURES, IMPROVEMENTS AND UTILITIES WHICH MAY BE ENCOUNTERED. CONTRACTOR SHALL ADJUST ALL UTILITIES TO FINAL GRADE.
14. SAFETY RESTRICTION-WORK NEAR HIGH VOLTAGE LINES: THE FOLLOWING PROCEDURES WILL BE FOLLOWED REGARDING THE SUBJECT ITEM ON THIS CONTRACT:

A. A WARNING SIGN NOT LESS THAN FIVE INCHES BY SEVEN INCHES PAINTED YELLOW WITH BLACK LETTERS THAT ARE LEGIBLE AT 12 FEET SHALL BE PLACED INSIDE AND OUTSIDE VEHICLES SUCH AS CRANES, DERRICKS, POWER SHOVELS, DRILLING RIGS, PILE DRIVER, HOISTING EQUIPMENT OR SIMILAR APPARATUS. THE WARNING SIGN SHALL READ AS FOLLOWS: "WARNING-UNLAWFUL TO OPERATE THIS EQUIPMENT WITHIN SIX FEET OF HIGH VOLTAGE LINES."

B. EQUIPMENT THAT MAY BE OPERATED WITHIN TEN FEET OF HIGH VOLTAGE LINES SHALL HAVE AN INSULATING CAGE-TYPE OF GUARD ABOUT THE BOOM OR ARM, EXCEPT BACKHOES OR DIPPERS, AND INSULATOR LINKS ON THE LIFT HOOK CONNECTIONS.

C. WHEN NECESSARY TO WORK WITHIN SIX FEET OF HIGH VOLTAGE ELECTRIC LINES, NOTIFY THE POWER PROVIDER, WHO WILL ERECT TEMPORARY MECHANICAL BARRIERS, DE-ENERGIZE THE LINE OR RAISE OR LOWER THE LINE. THE WORK DONE BY THE NOTIFYING DEPARTMENT SHALL MAINTAIN AN ACCURATE LOG OF ALL SUCH CALLS TO THE POWER PROVIDER AND SHALL RECORD ACTION TAKEN IN EACH CASE.

D. THE CONTRACTOR IS REQUIRED TO MAKE ARRANGEMENT WITH THE POWER COMPANY FOR THE TEMPORARY RELOCATION OR RISING OF HIGH VOLTAGE LINES AT THE CONTRACTOR'S SOLE COST AND EXPENSE.

E. NO PERSON SHALL WORK WITHIN SIX FEET OF A HIGH VOLTAGE LINE WITHOUT PROTECTION HAVING BEEN TAKEN AS OUTLINED IN PARAGRAPH C., ABOVE.

15. TRENCH SAFETY: IT SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR TO PROVIDE AND MAINTAIN A VIABLE TRENCH SAFETY SYSTEM AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS DIRECTED TO BECOME KNOWLEDGEABLE AND FAMILIAR WITH THE STANDARDS AS SET BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) FOR TRENCH SAFETY THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRENCH SAFETY SYSTEM PLANS TO THE CITY OF FORT WORTH, IF NECESSARY. THE TRENCH SAFETY PLAN SHALL BE SPECIFIC TO THIS SITE.

16. COORDINATION WITH OTHERS: IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THIS PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF ANY OTHER CONTRACTORS.

17. COMPLIANCE WITH LAWS: THE CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, INCLUDING ALL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS CONTRACT AND THE WORK TO BE DONE THEREUNDER, WHICH EXIST OR WHICH MAY BE ENACTED LATER BY GOVERNMENTAL BODIES HAVING JURISDICTION OR AUTHORITY FOR SUCH ENACTMENT. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, IMPACT AND INSPECTION FEES, ANY CITY FEES AND LICENSES NECESSARY FOR THE EXECUTION OF THE WORK AND SHALL FULLY COMPLY WITH ALL THEIR TERMS AND CONDITIONS. WHEREVER THE WORK UNDER THIS CONTRACT REQUIRES THE OBTAINING OF PERMITS FROM THE CITY OR OTHER PUBLIC AUTHORITIES, DUPLICATE COPIES OF SUCH PERMITS SHALL BE FURNISHED TO THE DEVELOPER AND OBTAINED.

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

19. DURING CONSTRUCTION: DURING CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL AT ALL TIMES, KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE AND SHALL REMOVE SAME FROM ANY PORTION OF THE SITE IF, IN THE OPINION OF THE OWNER, SUCH MATERIAL, DEBRIS OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE. IN CASE OF FAILURE ON THE PART OF THE CONTRACTOR TO MAINTAIN A CLEAN SITE, THE DEVELOPER MAY, UPON 24 HOUR WRITTEN NOTICE, CLEAN THE SITE, AND THE COST THEREOF SHALL BE DEDUCTED FROM ANY MONIES DUE OR TO BECOME DUE TO THE CONTRACTOR UNDER HIS CONTRACT, OR WHERE SUFFICIENT CONTRACT FUNDS ARE UNAVAILABLE FOR THIS PURPOSE, THE CONTRACTOR OR HIS SURETY SHALL REIMBURSE THE DEVELOPER FOR ALL SUCH COSTS.

20. RECORD DRAWINGS: EACH CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF ALL MATERIALS AND SYSTEMS COVERED BY HIS CONTRACTUAL AGREEMENT. THESE RECORD PRINTS WILL BE REVIEWED BY THE DEVELOPER EACH MONTH PRIOR TO THE PRELIMINARY REVIEW OF CONTRACTOR'S REQUEST FOR PAYMENT. IF THE DRAWINGS ARE NOT COMPLETE, ACCURATE AND UP-TO-DATE, THE PAYMENT REQUEST WILL NOT BE ACCEPTED BY THE DEVELOPER. THE COMPLETED SET OF "RECORD" DRAWINGS MUST BE DELIVERED TO THE DEVELOPER BEFORE REQUESTING FINAL PAYMENT.

21. INSPECTION: INSPECTION OF THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY THE DEVELOPER AND/OR THE CITY. COSTS FOR INSPECTION SERVICES WILL BE ASSUMED BY THE DEVELOPER.

22. DISPOSITION AND DISPOSAL OF EXCESS AND UNSUITABLE MATERIALS: ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING UNSUITABLE MATERIAL SUCH AS CONCRETE, LARGE ROCKS, REFUSE AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT. CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO DISPOSAL SITE.

23. STORM WATER POLLUTION PREVENTION PLAN (SWPPP): CONTRACTORS SHALL BE REQUIRED TO COMPLY WITH THE CONDITIONS OF THE SWPPP WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWPPP INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SWPPP) DURING PROJECT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING ALL EROSION CONTROL STRUCTURES INDICATED ON THE CONSTRUCTION PLANS. ALL EROSION CONTROL MEASURES SHALL BE IN STRICT ACCORDANCE WITH CITY, STATE AND FEDERAL REGULATIONS. SILT FENCES, ROCK BERMS, SEDIMENTATION BASINS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION MAY BE REGULARLY INSPECTED BY THE CITY FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY OR ENGINEER, THEY ARE WARRANTED.

24. SUBSURFACE EXPLORATION: PROFESSIONAL SERVICE INDUSTRIES, INC. HAS MADE AN INVESTIGATION OF SURFACE CONDITIONS FOR THIS PROJECT. THE RESULTS OF WHICH CAN BE FOUND IN THEIR GEOTECHNICAL ENGINEERING STUDY REFERENCED IN REPORT NO. 03421613 DATED SEPTEMBER 07, 2018.

25. ALL SITE PREPARATION, BUILDING PAD PREPARATION, BUILDING FOUNDATIONS, PAVEMENT SUBGRADE PREPARATION AND PAVEMENT SECTIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS SET FORTH IN THE GEOTECHNICAL ENGINEERING STUDY AND/OR CITY STANDARDS, WHICHEVER IS MORE STRINGENT. ANY MODIFICATION OR REVISIONS TO THE SPECIFICATIONS SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER. ANY ALTERNATIVES SHALL BE REVIEWED AND APPROVED BY THE GEOTECHNICAL ENGINEER AND BY THE CITY ENGINEER IF NECESSARY.

26. CONTRACTORS SHALL MAKE ANY INVESTIGATION OF EXISTING SUBSURFACE CONDITIONS AS DEEMED NECESSARY. NO SEPARATE PAY ITEM WILL BE ALLOWED FOR THE INVESTIGATIONS PERFORMED BY THE CONTRACTOR.

27. NEITHER THE DEVELOPER NOR ENGINEER WILL BE RESPONSIBLE IN ANY WAY FOR ADDITIONAL COMPENSATION FOR EXCAVATION WORK PERFORMED UNDER THIS CONTRACT DUE TO CONTRACTOR'S ASSUMPTIONS REGARDING SUBSURFACE CONDITIONS.

28. PROPOSED PUBLIC AND PRIVATE IMPROVEMENTS: ALL PAVING, STORM SEWER LINES, WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THESE PLANS AND THE RULES, REGULATIONS, POLICIES AND PROCEDURES OF THE CITY, THE GEOTECHNICAL EVALUATION, AND THE T.C.E.Q.

29. MATERIALS AND CONSTRUCTION METHODS: ALL MATERIALS AND CONSTRUCTION METHODS FOR THIS PROJECT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THESE PLANS AND THE RULES, REGULATIONS, POLICIES AND PROCEDURES OF THE CITY, THE GEOTECHNICAL EVALUATION AND THE T.C.E.Q.

30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMISSION FROM ADJACENT PROPERTY OWNER(S) PRIOR TO COMMENCING ANY OFFSITE GRADING, UTILITY OR PAVING WORK.

31. DETENTION SYSTEM TO BE FULLY INSTALLED AND FUNCTIONING PER APPROVED PLAN PRIOR TO ANY CONCRETE/PAVING INSTALLATION INCLUDING SLABS. SIDES AND BOTTOM OF ALL DETENTION SYSTEMS TO HAVE EITHER SOD OR ANCHORED SEEDED CURLEX PRIOR TO CONCRETE INSTALLATION.

32. 75-80% OF ALL DISTURBED AREA TO HAVE 1" MIN. STAND OF GRASS (NOT WEEDS OR WINTER RYE) PRIOR TO CITY ACCEPTANCE.

33. ANY AND ALL DETAILS NOT PROVIDED WITH THE CONSTRUCTION DRAWINGS, SHALL COME FROM CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION & NCTCOG PUBLIC WORKS CONSTRUCTION STANDARDS FOURTH EDITION.

BENCHMARK
CITY 980

SITE BM ONE: CROSS CUT ON TOP OF CURB AT THE NORTHEAST CORNER OF DISTRICT BUILDING 95 SOUTHWESTERLY FROM THE CENTER OF TOWNSHED BLVD. & 347 SOUTHWESTERLY FROM THE CENTER OF TOWNSHED BLVD. ELEV. = 983.32
SITE BM TWO: CROSS CUT IN SIDEWALK AT SOUTHWESTERLY FROM THE CENTER OF TOWNSHED BLVD. & 809 SOUTHWESTERLY FROM THE CENTER OF TOWNSHED BLVD. ELEV. = 985.72

GENERAL NOTES

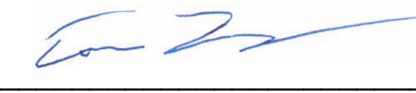
ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REV. / SIONS	DATE	BY	CHK					
					TAL	TAL	TAL	TAL	TAL
1	UPDATE WATERLINE LAYOUT	02/21/19							
2	MINOR HUD/OWNER COMMENTS	05/17/19							
3	REV. TO SIDEWALKS & COURTYARD (STORM) PER LANDSCAPE	07/17/19							
4									
5									
6									
7									
8									
9									
10									

STATE OF TEXAS THOMAS A. LUNZMAN 122259 PROFESSIONAL ENGINEER 7/17/19 12/15/18	
JOB NUMBER:	56230
DESIGNED BY:	TAL
DRAWN BY:	NRM/TAL
APPROVED BY:	TAL
CHECKED BY:	JTR
DATE:	01/29/2019
SCALE:	NONE
SHEET NUMBER:	OF
C.04	23

RECORD DRAWING

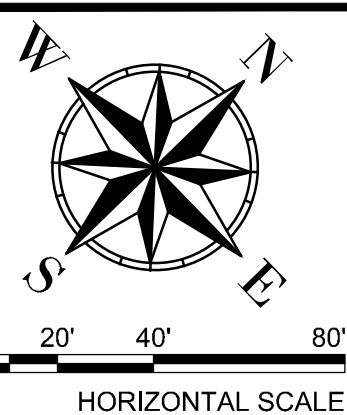
THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS=BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



02/08/2021

THOMAS A. LUNZMAN P.E.

DATE



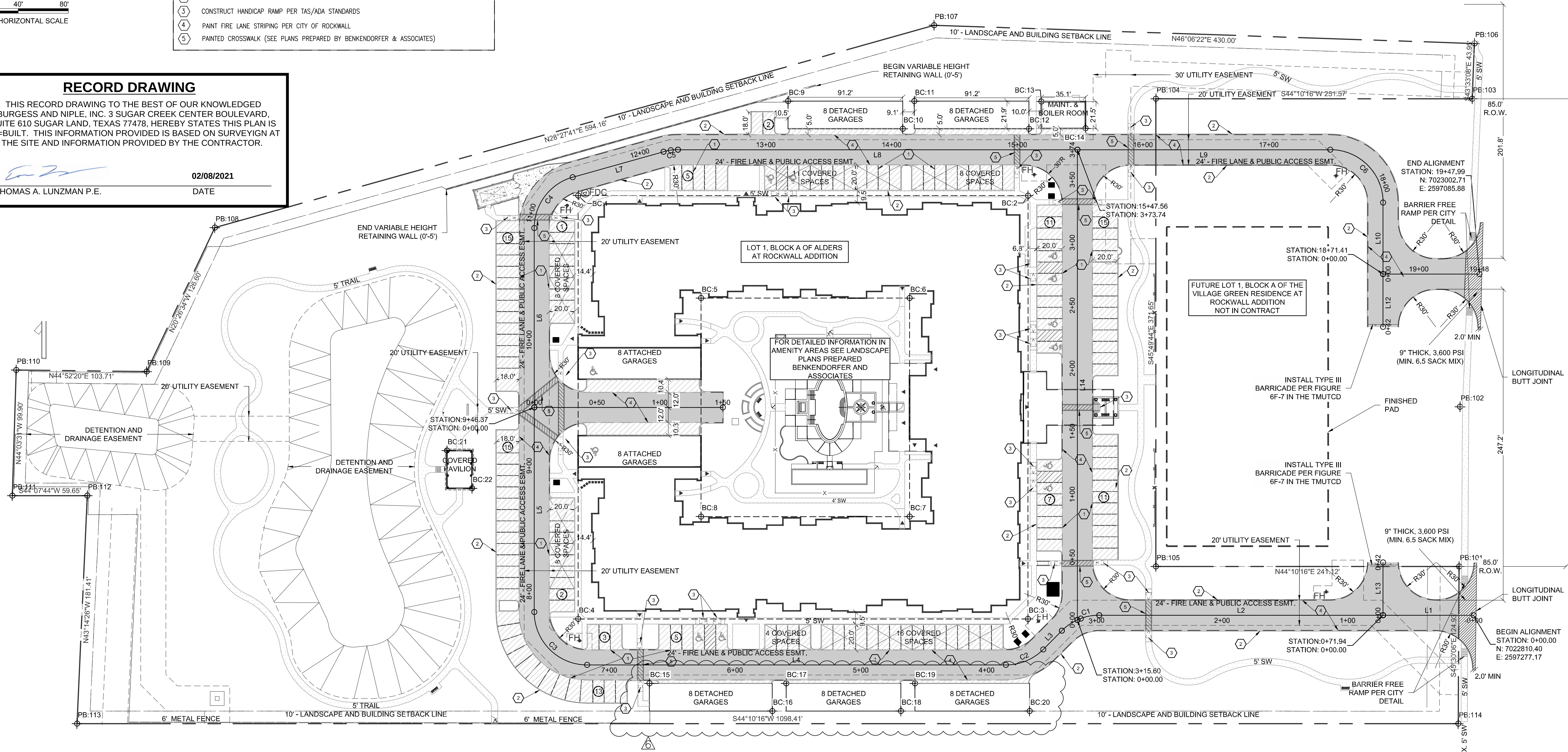
KEY NOTES	
①	PAINT 4" WIDE SOLID PARKING STRIPE - WHITE
②	CONSTRUCT 6" CONCRETE CURB PER CITY OF ROCKWALL STANDARD DETAIL
③	CONSTRUCT HANDICAP RAMP PER T&S/ADA STANDARDS
④	PAINT FIRE LANE STRIPING PER CITY OF ROCKWALL
⑤	PAINTED CROSSWALK (SEE PLANS PREPARED BY BENKENDORFER & ASSOCIATES)

RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

THOMAS A. LUNZMAN P.E.

02/08/2021
DATE



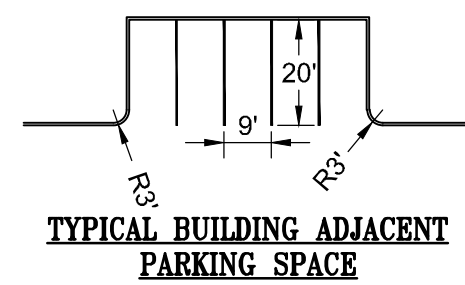
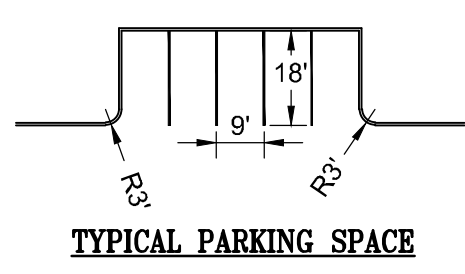
PRIVATE PAVEMENT LEGEND:

24" FIRE LANE: (±61,256.5 S.F.)
6" THICK REINFORCED CONCRETE, 6.5 SACK MINIMUM CEMENT, 3,600 PSI MINIMUM 28-DAY CONCRETE STRENGTH WITH #3 BARS AT 24" ON CENTER EACH WAY. 6" MINIMUM LIME STABILIZED SUBGRADE WITH A LIME CONTENT OF 27%/S.Y. EXTENDING 1' BEYOND THE BACK OF CURB. PER CITY OF ROCKWALL STANDARDS

TRASH COMPACTOR AREA: (±995.3 S.F.)
7" THICK REINFORCED CONCRETE, 6.5 SACK MINIMUM CEMENT, 3,600 PSI MINIMUM 28-DAY CONCRETE STRENGTH WITH #3 BARS AT 18" ON CENTER EACH WAY. 6" MINIMUM DEPTH LIME STABILIZED SUBGRADE WITH A LIME CONTENT OF 41%/S.Y. EXTENDING 1' BEYOND THE EDGE OF PAVEMENT. PER GEOTECHNICAL REPORT DATED FEBRUARY 5, 2018

LIGHT VEHICULAR/PARKING PAVEMENT AREAS: (±28,530 S.F.)
6" THICK REINFORCED CONCRETE, 5.5 SACK MINIMUM CEMENT, 3,000 PSI MINIMUM 28-DAY CONCRETE STRENGTH WITH #3 BARS AT 18" ON CENTER EACH WAY. SUBGRADE TO BE SCARIFIED 6" MINIMUM AND COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698)

SIDEWALK AREAS, 5.5 SACK MINIMUM CEMENT, 3,000 PSI PER CITY OF ROCKWALL SPECIFICATIONS



BUILDING CORNER POINT TABLE		
POINT NO.	NORTHING	EASTING
BC:1	7022532.06	2596541.83
BC:2	7022788.60	2596791.09
BC:3	7022554.21	2597032.37
BC:4	7022297.65	2596783.13
BC:5	7022545.40	2596668.33
BC:6	7022664.36	2596783.90
BC:7	7022543.40	2596908.40
BC:8	7022424.44	2596792.83
BC:9	7022704.11	2596604.33
BC:10	7022754.26	2596683.60
BC:11	7022776.05	2596674.21

BUILDING CORNER POINT TABLE		
POINT NO.	NORTHING	EASTING
BC:12	7022826.20	2596753.49
BC:13	7022848.32	2596744.89
BC:14	7022858.68	2596784.57
BC:15	7022302.61	2596859.37
BC:16	7022357.42	2596943.17
BC:17	7022380.65	2596935.18
BC:18	7022430.80	2597014.45
BC:19	7022454.01	2597006.46
BC:20	7022504.16	2597085.73
BC:21	7022316.03	2596614.40
BC:22	7022309.47	2596649.86

PROPERTY BOUNDARY POINTS TABLE		
POINT NO.	NORTHING	EASTING
PB:101	7022829.23	2597241.36
PB:102	7022918.13	2597150.89
PB:103	7023095.70	2596982.07
PB:104	7022915.26	2596806.78
PB:105	7022856.29	2597073.35
PB:106	7023127.61	2596951.77
PB:107	7022829.43	2596641.92
PB:108	7022307.08	2596358.77
PB:109	7022188.45	2596402.99
PB:110	7022114.95	2596329.82
PB:111	7022043.16	2596399.28
PB:112	7022085.98	2596440.82
PB:113	7021953.82	2596565.10

LINE SEGMENTS TABLE				
LINE SEGMENT	LENGTH	BEARING	START STA.	END STA.
L1	71.94 L.F.	S44° 10' 15" W	-0+00.00	0+71.94
L2	225.72 L.F.	S44° 10' 15" W	0+71.94	2+97.66
L3	21.00 L.F.	S00° 49' 43" E	3+30.65	3+51.65
L4	333.12 L.F.	S44° 10' 16" W	3+84.64	7+17.75
L5	162.65 L.F.	N45° 49' 44" W	7+83.73	9+46.37
L6	142.44 L.F.	N45° 49' 44" W	9+46.37	10+88.82
L7	75.07 L.F.	N28° 27' 41" E	11+43.28	12+18.35
L8	317.70 L.F.	N44° 10' 16" E	12+29.86	15+47.56
L9	201.12 L.F.	N44° 10' 16" E	15+47.56	17+48.68
L10	56.75 L.F.	S45° 49' 44" E	18+14.66	18+71.41
L12	42.00 L.F.	S45° 49' 44" E	0+00.00	0+42.00
L13	42.00 L.F.	N45° 49' 44" W	0+00.00	0+42.00
L14	373.74 L.F.	N45° 49' 44" W	0+00.00	3+73.74

CURVE SEGMENT TABLE					
CURVE SEGMENT	RADIUS	LENGTH	CHORD BEARING	START STA.	END STA.
C1	42.00 L.F.	32.986	S21° 40' 16" W	2+97.66	3+30.65
C2	42.00 L.F.	32.986	S21° 40' 16" W	3+51.65	3+84.64
C3	42.00 L.F.	65.974	S89° 10' 16" W	7+17.75	7+83.73
C4	42.00 L.F.	54.458	N08° 41' 01" W	10+88.82	11+43.28
C5	42.00 L.F.	11.516	N36° 18' 58" E	12+18.35	12+29.86
C6	42.00 L.F.	65.973	N89° 10' 16" E	17+48.68	18+14.66

NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

NOTES:

- ALL SITE SIGNAGE SHALL CONFORM TO CITY OF ROCKWALL CODES.
- REFER TO THE LANDSCAPE PLANS FOR DETAILS OF PROPOSED LANDSCAPING, SIGNAGE AND AMENITIES FOR THIS PROJECT.
- FOR SPECIFIC BUILDING SIZES SEE ARCHITECTURAL PLANS. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER AND PROJECT ARCHITECT IF THERE ARE ANY DISCREPANCIES WITH BUILDINGS.
- ALL BUILDING CORNERS ARE TO THE OUTSIDE BRICK LEDGE.
- ALL FIRE LANE INNER RADI TO BE 30' TO THE FACE OF THE CURB MINIMUM.
- ALL PARKING ADJACENT TO THE BUILDING MUST BE MINIMUM OF 20' IN DEPTH.
- ANY & ALL DETAILS NOT PROVIDED WITH THESE CONSTRUCTION DRAWINGS, SHALL COME FROM CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION & NCTCOG PUBLIC WORKS CONSTRUCTION STANDARDS FOURTH EDITION.

BENCHMARK
CITY 881

SITE B.M. CROSS CUT ON TOP OF CURB AT THE NORTHEAST CORNER OF THE DISTRICT BUILDING 95' SOUTHWESTERLY FROM THE CENTER OF JASTIN ROAD & 347' SOUTHEASTERLY FROM THE CENTER OF JASTIN ROAD
N: 7023100.073 E: 2596900.421 ELEV. = 983.32
SITE B.M. TWO: CROSS CUT IN SIDEWALK 41' SOUTHWESTERLY FROM THE CENTER OF TOWNSHED BLVD. & 89' SOUTHWESTERLY FROM THE CENTER OF JASTIN ROAD
N: 7022744.440 E: 2597331.260 ELEV. = 985.72

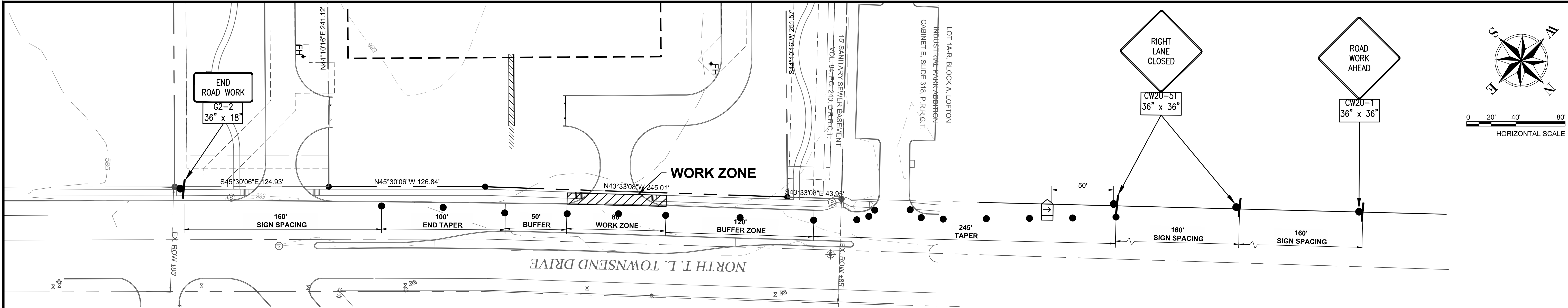
DIMENSION CONTROL
& PAVING PLAN
ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

REV	DATE	BY	CHK	REVISIONS
1	02/21/19	TAL	TAL	UPDATE WATERLINE LAYOUT
2	05/17/19	TAL	TAL	MINOR HUD/OWNER COMMENTS
3	07/17/19	KIM	TAL	REV. TO SW & CRYTO/STRM PER INDSCOPE
4	09/19/19	KIM	TAL	REV. EX. STRM TIE-IN EL. & SD 'A' (PBLIC)
5	11/13/19	KIM	TAL	REV. COURTYARD DRAINS, BACKFLOW, SS SERVICE, GARAGE FOOTPRINTS
6	12/06/19	NRM	TAL	REV. GARAGE LOCATIONS EAST SIDE

Professional Engineer Seal for Thomas A. Lunzman, State of Texas, License No. 122259.

JOB NUMBER:	56230
DESIGNED BY:	TAL
DRAWN BY:	NRM/TAL
APPROVED BY:	TAL
CHECKED BY:	JTR
DATE:	01/29/2019
SCALE:	1" = 40'
SHEET NUMBER:	C.05
OF	23

BURGESS & NIPLE
10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TBE FIRM REGISTRATION NO. F-10834

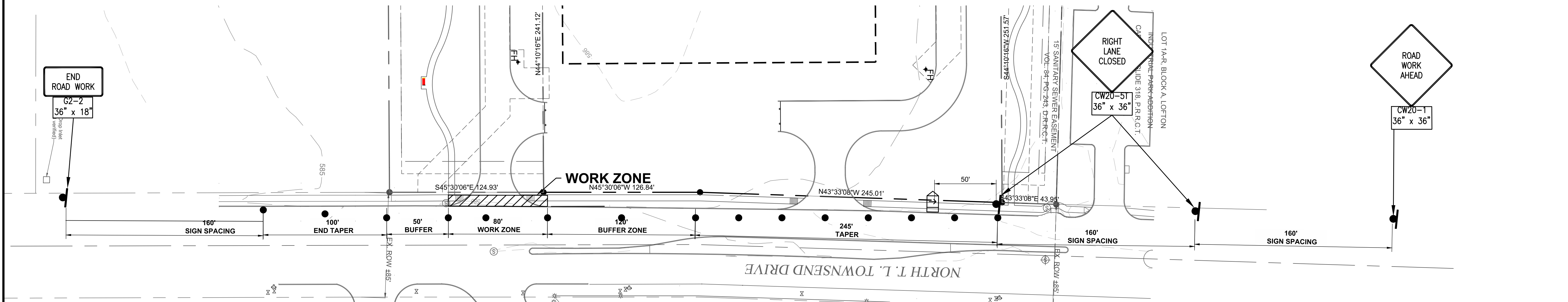
**RECORD DRAWING**

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS=BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYIGN AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

THOMAS A. LUNZMAN P.E.

02/08/2021

DATE



Posted Speed *	Formula	Minimum Desirable Taper Lengths					Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x"	Suggested Longitudinal Buffer Space "y"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent				
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'		
35		205'	225'	245'	35'	70'	160'	120'		
40	$L = WS$	265'	295'	320'	40'	80'	240'	155'		
45		450'	495'	540'	45'	90'	320'	195'		
50		500'	550'	600'	50'	100'	400'	240'		
55		550'	605'	660'	55'	110'	500'	295'		
60		600'	660'	720'	60'	120'	600'	350'		
65		650'	715'	780'	65'	130'	700'	410'		
70		700'	770'	840'	70'	140'	800'	475'		
75		750'	825'	900'	75'	150'	900'	540'		

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS FOR IMPLEMENTING TRAFFIC CONTROL MEASURES NECESSARY FOR CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OF T. L. TOWNSEND DRIVE.

THE POSTED SPEED LIMIT ON T. L. TOWNSEND DRIVE IS 35 MPH.

THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES AFTER WORKING HOURS.

FOR PUBLIC DRIVEWAYS/PAVEMENT LOCATED IN CITY OF ROCKWALL ROW, REF. STANDARD PAVING DETAILS WITHIN THIS PLAN SET.

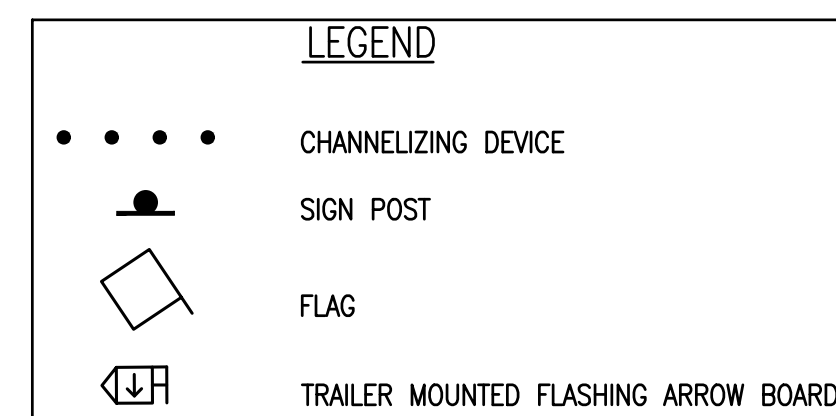
NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

GENERAL NOTES:

1. FLAGS ATTACHED TO SIGNS WHERE SHOWN, ARE REQUIRED.
2. ALL TRAFFIC CONTROL DEVICES ILLUSTRATED ARE REQUIRED, EXCEPT THOSE DENOTED WITH THE TRIANGLE SYMBOL MAY BE OMITTED WHEN STATED ELSEWHERE IN THE PLANS, OR FOR ROUTINE MAINTENANCE WORK, WHEN APPROVED BY THE ENGINEER.
3. THE DOWNSTREAM TAPER IS OPTIONAL. WHEN USED, IT SHOULD BE 100 FEET MINIMUM LENGTH PER LANE.
4. FOR SHORT TERM APPLICATIONS, WHEN POST MOUNTED SIGNS ARE NOT USED, THE DISTANCE LEGEND MAY BE SHOWN ON THE SIGN FACE RATHER THAN ON A CW16-3AP SUPPLEMENTAL PLAQUE.
5. A SHADOW VEHICLE WITH A TMA SHOULD BE USED ANYTIME IT CAN BE POSITIONED 30 TO 100 FEET IN ADVANCE OF THE AREA OF CREW EXPOSURE WITHOUT ADVERSELY AFFECTING THE PERFORMANCE OF QUALITY OF THE WORK. IF WORKERS ARE NO LONGER PRESENT BUT ROAD OR WORK CONDITIONS REQUIRE THE TRAFFIC CONTROL TO REMAIN IN PLACE, TYPE 3 BARRICADES OR OTHER CHANNELIZING DEVICES MAY BE SUBSTITUTED FOR THE SHADOW VEHICLE AND TMA.
6. ADDITIONAL SHADOW VEHICLES WITH TMAS MAY BE POSITIONED IN EACH CLOSED LANE, ON THE SHOULDER OR OFF THE PAVED SURFACE, NEXT TO THOSE SHOWN IN ORDER TO PROTECT A WIDER WORK SPACE.

ICP (2-4A)

7. IF THIS TCP IS USED FOR A LEFT LANE CLOSURE, CW20-5TL "LEFT LANE CLOSED" SIGNS SHALL BE USED AND CHANNELIZING DEVICES SHALL BE PLACED ON THE CENTERLINE TO PROTECT THE WORK SPACE FROM OPPOSING TRAFFIC WITH THE ARROW BOARD PLACED ON THE CLOSED LANE NEAR THE END OF THE MERGING TAPER.



THIS TRAFFIC CONTROL PLAN IS FOR REFERENCE ONLY. CONTRACTOR SHALL FOLLOW TxDOT, MUTCD, AND CITY OF FORT WORTH TRAFFIC CONTROL STANDARDS. CONTRACTOR IS SOLELY RESPONSIBLE FOR TRAFFIC CONTROL INSTALLATION AND IMPLEMENTATION.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING A "PARKWAY PERMIT" FROM THE CITY OF FORT WORTH BEFORE BEGINNING WORK.

BENCHMARK

SITE B.M. ONE: CROSS CUT ON TOP OF CURB AT THE NORTHEAST CORNER OF DISTRICT BUILDING 95' SOUTHWESTERLY FROM THE CENTER OF TOWNSEND DRIVE & 347' SOUTHEASTERLY FROM THE CENTER OF TOWNSEND DRIVE. ELEV. = 983.32
SITE B.M. TWO: CROSS CUT IN SIDEWALK, 41' SOUTHWESTERLY FROM THE CENTER OF TOWNSEND DRIVE & 89' SOUTHEASTERLY FROM THE CENTER OF TOWNSEND DRIVE. ELEV. = 985.72

TRAFFIC CONTROL PLAN

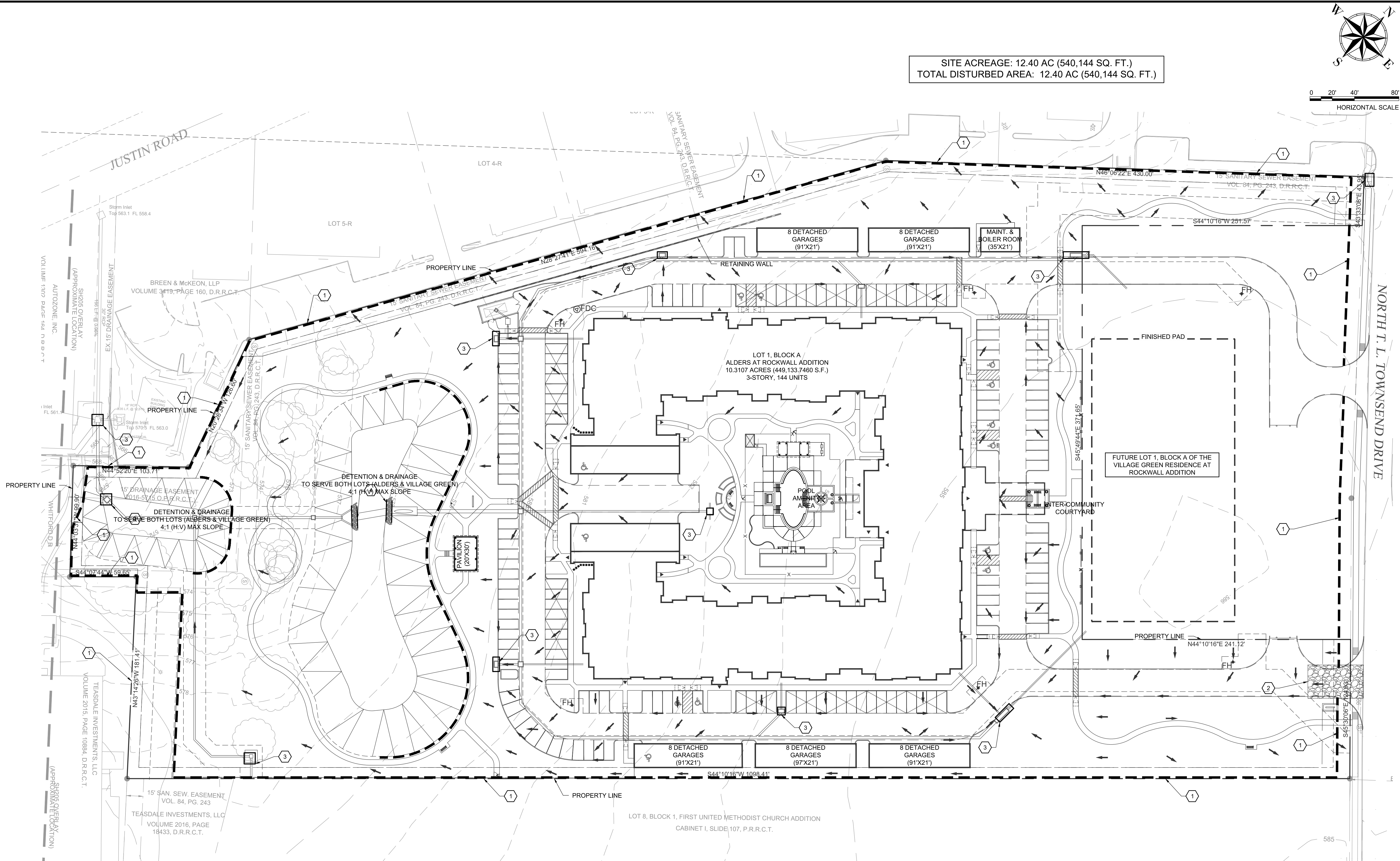
ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REVISIONS	DATE	BY	CHK
1	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
2	MINOR HUD/OWNER COMMENTS	05/17/19	TAL	TAL
3	REV. TO SIDEWALKS & COURTYARD (STORM) PER LANDSCAPE	07/17/19	KTM	TAL

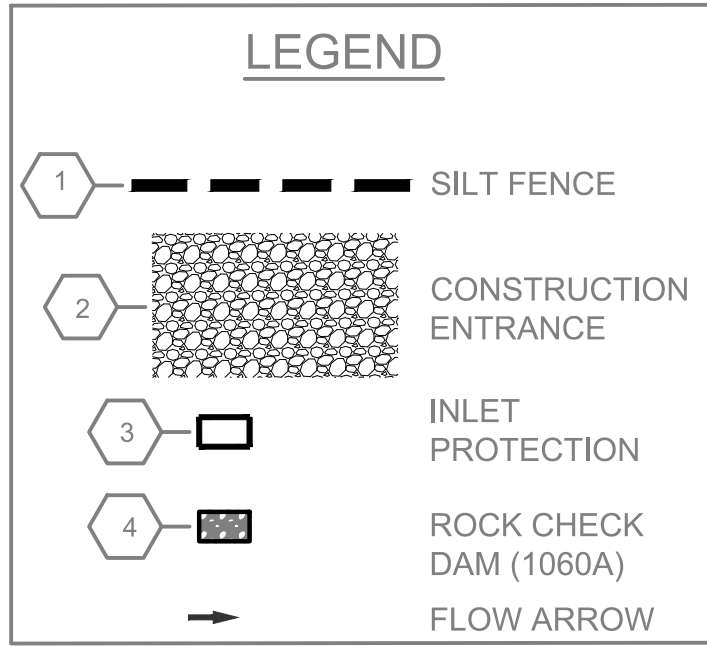
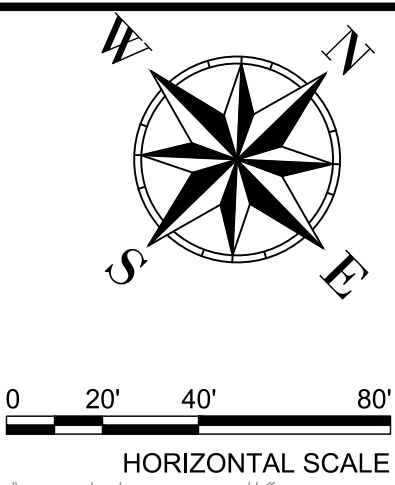
7/17/19

THOMAS A. LUNZMAN
122259
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

JOB NUMBER: 56211
DESIGNED BY: TAL
DRAWN BY: NRM/TAL
APPROVED BY: JTR
CHECKED BY: JTR
DATE: 01/29/2019
SCALE: 1" = 40'
SHEET NUMBER: C.06 OF 23



SITE ACREAGE: 12.40 AC (540,144 SQ. FT.)
TOTAL DISTURBED AREA: 12.40 AC (540,144 SQ. FT.)



GENERAL NOTES:

1. ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

2. ANY & ALL DETAILS NOT PROVIDED WITH THESE CONSTRUCTION DRAWINGS, SHALL COME FROM CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION & NCTCOG PUBLIC WORKS CONSTRUCTION STANDARDS FOURTH EDITION.

RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

DESIGNED BY: TAL
DRAWN BY: NRM/TAL
APPROVED BY: TAL
CHECKED BY: JTR
DATE: 01/29/2019

THOMAS A. LUNZMAN P.E. DATE: 02/08/2021

BURGESS & NIPLE
10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TBE FIRM REGISTRATION NO. F-10834

EROSION CONTROL PLAN
ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REVISIONS	DATE	BY	CHK
1	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
2	MINOR HUD/OWNER COMMENTS	05/17/19	TAL	TAL
3	REV. TO SIDEWALKS & COURTYARD (STORM) PER LANDSCAPE	07/17/19	KTM	TAL

DATE: 7/17/19

THOMAS A. LUNZMAN
122259
PROFESSIONAL ENGINEER
CIVIL ENGINEERING

JOB NUMBER: 56211
DESIGNED BY: TAL
DRAWN BY: NRM/TAL
APPROVED BY: TAL
CHECKED BY: JTR
DATE: 01/29/2019
SCALE: 1" = 40'
SHEET NUMBER: C.07 OF 23



GENERAL NOTES

1. ALL SITE GRADING, PREPARATION OF SITE, FILL MATERIALS AND BUILDING PAD PREPARATION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT FOR PROPOSED SIL DEVELOPMENT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THE DETAIL DESIGN OF ALL ONSITE RETAINING WALLS AND PERMITTING OF SUCH RETAINING WALLS IF REQUIRED BY THE CITY OF ROCKWALL. THE DETAILED DESIGN OF THE ONSITE RETAINING WALLS IS NOT PART OF THE CIVIL CONSTRUCTION PLANS PREPARED BY BURGESS & NIPLÉ, INC. RETAINING WALLS GREATER THAN 36-INCHES IN HEIGHT MUST BE DESIGNED, SIGNED AND SEALED BY A STRUCTURAL ENGINEER. CITY NEEDS TO APPROVE WALL DESIGNS PRIOR TO CONSTRUCTION OF NO SMOOTH WALLS. ALL WALLS TO BE ROCK OR STONE WITH ALL PORTIONS OUT OF EASEMENTS AND/OR OFF-SITE.
3. FOR TREE MITIGATION/PRESERVATION PLAN, REFERENCE PLANS PREPARED BY THE LANDSCAPE ARCHITECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMISSION FROM ADJACENT PROPERTY OWNER(S) PRIOR TO COMMENCING ANY OFFSITE GRADING WORK.
5. ALL SPOT GRADES SHOWN ARE TOP OF PAVEMENT OR FINISHED GRADE UNLESS OTHERWISE NOTED. ALL CURBS SHOWN ARE ASSUMED TO BE 6" STANDARD HEIGHT.
6. THE MINIMUM ALLOWABLE PAVEMENT SLOPE IN ANY DIRECTION SHALL BE 0.5%.
7. MAXIMUM CROSS SLOPE OF ANY SIDEWALK OR ACCESSIBLE ROUTE SHALL BE 2%. ALL ACCESSIBLE ROUTES SHALL BE CONSTRUCTED PER ADA STANDARDS AND REGULATIONS.
8. NO WORK WITHIN TxDOT RIGHT OF WAY UNTIL TxDOT PERMIT IS OBTAINED.
9. ANY & ALL DETAILS NOT PROVIDED WITH THESE CONSTRUCTION DRAWINGS SHALL COME FROM THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION & NCTCOG PUBLIC WORKS CONSTRUCTION STANDARDS & FOURTH EDITION.
10. ALL SITEWORK SHALL CONFORM TO CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION.
11. ALL DETENTION SYSTEMS MUST BE INSTALLED AND FUNCTIONING PER APPROVED PLAN PRIOR TO ANY PAVING/CONCRETE INSTALLATION (INCLUDING SLAB), WHICH INCLUDES THE SIDES AND BOTTOM OF ALL PONDS TO BE EITHER SEEDED OR HAVE ANCHORED SEEDED CURLEX INSTALLED.
12. ALL FILL TO BE 95% COMPACTED USING A SHEEP'S FOOT ROLLER.
13. ALL RETAINING WALLS WITH A DROP OF 2.5 FT OR GREATER SHALL REQUIRE A FENCE OR SAFETY RAILING.

TC:XX.XX	TOP OF CURB SPOT GRADE
XX.XX	TOP OF PAVEMENT SPOT GRADE
XX.X	FINISHED GROUND SPOT GRADE
TW:XX.X	TOP OF WALL SPOT GRADE
BW:XX.X	BOTTOM OF WALL SPOT GRADE
EB:XX.X	EXPOSED BEAM
FF:XXX.X	FINISHED FLOOR ELEVATION
HP:XX.XX	HIGH POINT
LP:XX.XX	LOW POINT
	PROPOSED CONDENSER
	FLOW ARROW
	PROPOSED CONTOURS
	EXISTING CONTOURS
	HIGH POINT
	SWALE CENTERLINE

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED
BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD,
SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS
AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT
THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

02/08/2021

DATE

Professional Engineer Seal for Thomas A. Lunzman, State of Texas, License No. 122259, Commission Expires 5/17/2011.

JOB NUMBER:	56211
DESIGNED BY:	TAL
DRAWN BY:	NRM/TAL
APPROVED BY:	TAL
CHECKED BY:	JTR
DATE:	01/29/2019
SCALE:	1" = 30'
SHEET NUMBER:	OF
C.08	23

BURGESS & NIPLÉ

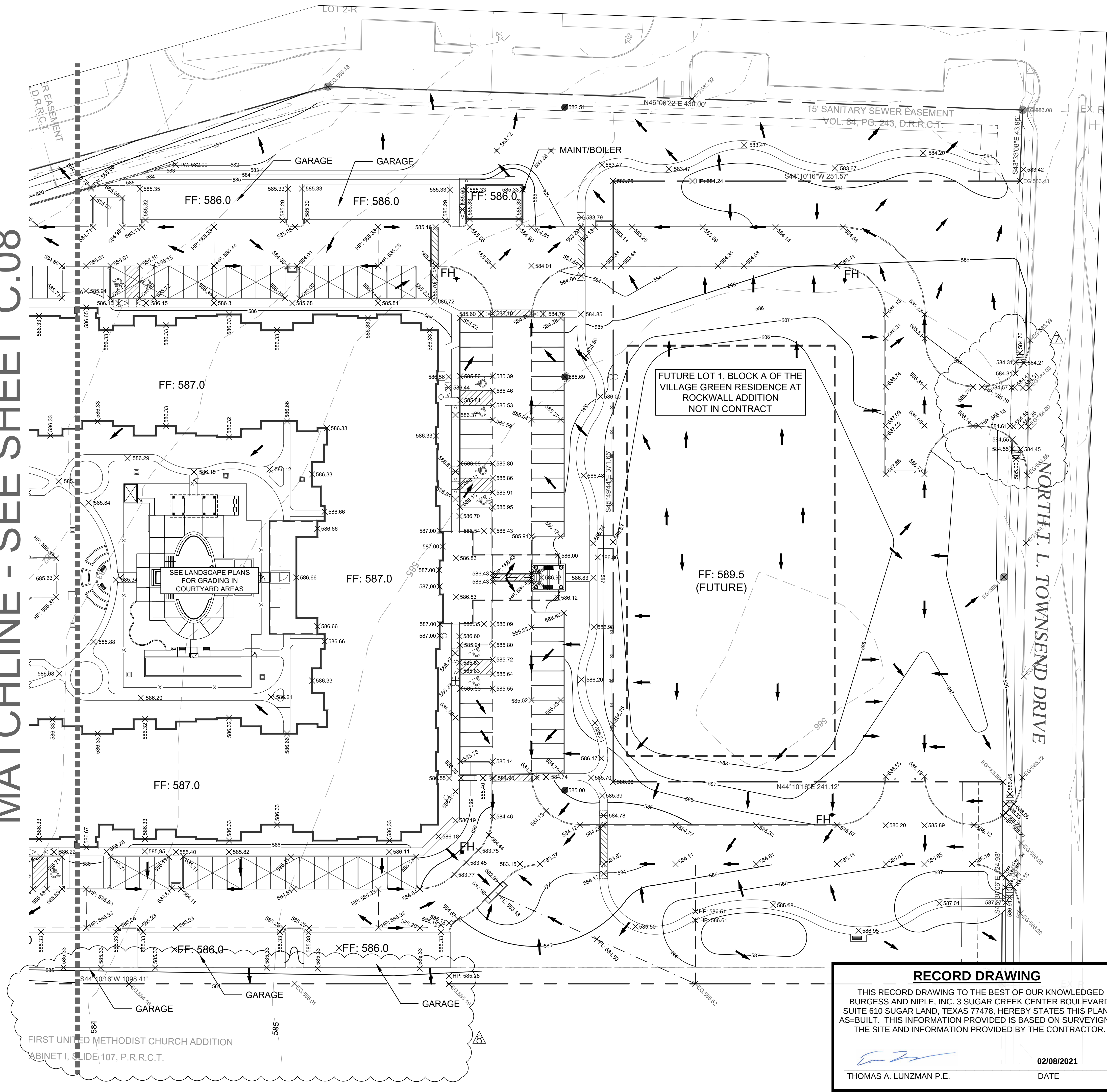
SITE B1M.0NE: CROSS CUT ON TOP OF CURB AT THE NORTHEAST END OF THE SOUTH HEAVEN PARKING FOR THE APPRAISAL DISTRICT BUILDING, 95' SOUTHWESTERLY FROM THE CENTER OF TOWNSHIP BLVD. & 340' SOUTHEASTERLY FROM THE CENTER OF JUSTIN DRIVE. E. 2569009.00 421 ELEV. = 583.32

SITE B1M.TWO: CROSS CUT IN SIDEWALK, 41' SOUTHWESTERLY FROM THE CENTER OF TOWNSHIP BLVD. & 895' SOUTHEASTERLY FROM THE CENTER OF JUSTIN DRIVE.

GRADING PLAN
(SHEET 1 OF 2)

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

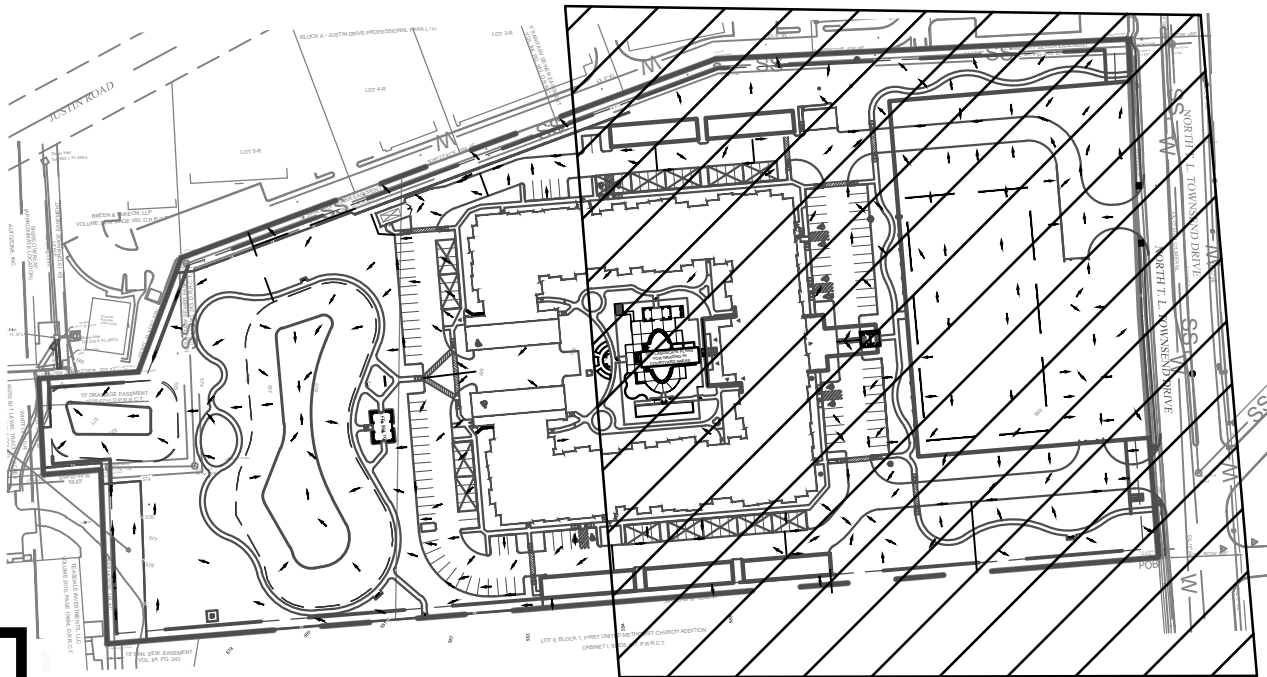
MATCHLINE - SEE SHEET C.08



- GENERAL NOTES:**
- ALL SITE GRADING, PREPARATION OF SITE, FILL MATERIALS AND BUILDING PAD PREPARATION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING REPORT FOR PROPOSED SIL DEVELOPMENT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THE DETAILED DESIGN OF ALL ONSITE RETAINING WALLS AND PERMITTING OF SUCH RETAINING WALLS IF REQUIRED BY THE CITY OF ROCKWALL. THE DETAILED DESIGN OF THE ONSITE RETAINING WALLS IS NOT PART OF THE CIVIL CONSTRUCTION PLANS PREPARED BY BURGESS & NIPL, INC. RETAINING WALLS GREATER THAN 36-INCHES IN HEIGHT MUST BE DESIGNED, SIGNED AND SEALED BY A STRUCTURAL ENGINEER. CITY NEEDS TO APPROVE WALL DESIGNS PRIOR TO CONSTRUCTION. NO SMOOTH WALLS. ALL WALLS TO BE ROCK OR STONE WITH ALL PORTIONS OUT OF EASEMENTS AND/OR OFF-SITE.
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 - ALL SITEWORK SHALL CONFORM TO CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION.
 - ALL DETENTION SYSTEMS MUST BE INSTALLED AND FUNCTIONING PER APPROVED PLAN PRIOR TO ANY PAVING/CONCRETE INSTALLATION (INCLUDING SLAB), WHICH INCLUDES THE SIDES AND BOTTOM OF ALL PONDS TO BE EITHER SEEDED OR HAVE ANCHORED SEEDED CURLEX INSTALLED.
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LEGEND

× TC:XX.XX	TOP OF CURB SPOT GRADE
× XX.XX	TOP OF PAVEMENT SPOT GRADE
× XX.X	FINISHED GROUND SPOT GRADE
× TW:XX.X	TOP OF WALL SPOT GRADE
× BW:XX.X	BOTTOM OF WALL SPOT GRADE
× EB:XX.X	EXPOSED BEAM
FF:XXX.X	FINISHED FLOOR ELEVATION
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	PROPOSED CONDENSER
	FLOW ARROW
	PROPOSED CONTOURS
	EXISTING CONTOURS
	HIGH POINT
	SWALE CENTERLINE

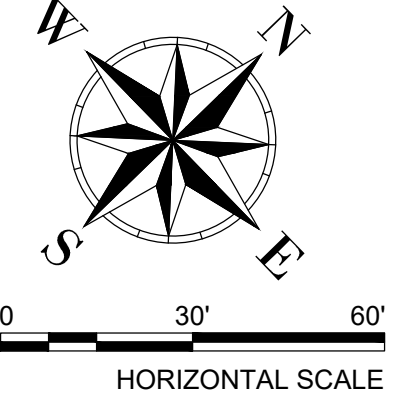


RECORD DRAWING

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THOMAS A. LUNZMAN P.E. DATE: 02/08/2021

NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.



BURGESS & NIPL
10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TXPE FIRM REGISTRATION NO. F-10834

GRADING PLAN
(SHEET 2 OF 2)

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

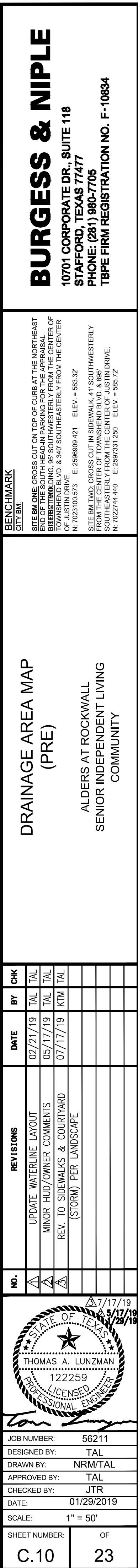
NO.	REV	DATE	BY	CHK
1	1	02/21/19	TAL	TAL
2	2	05/17/19	TAL	TAL
3	3	07/17/19	KTM	TAL
4	4	09/19/19	KTM	TAL
5	5	11/13/19	KTM	TAL
6	6	12/06/19	NRM	TAL
7	7	01/27/20	NRM	TAL
8	8	11/13/20	TAL	TAL

11/13/20
01/27/20
12/06/19

STATE OF TEXAS
THOMAS A. LUNZMAN
122259
Professional Engineer
Civil Engineering

Tom Lutzman

JOB NUMBER: 56211
DESIGNED BY: TAL
DRAWN BY: NRM/TAL
APPROVED BY: TAL
CHECKED BY: JTR
DATE: 01/29/2019
SCALE: 1" = 30'
SHEET NUMBER: C.09 OF 23



NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

PLOTTED: 7/17/2019 2:24:32 PM

P:\PR56211\CaddModels\Civil\CDR0001.dwg 7/17/2019 2:21:33 PM Mulvey, Kyle

BASIN 'D' PROPOSED DRAINAGE AREA CALCULATIONS													NOTES
AREA ID	AREA (acres)	C	Tc (min.)	I-5 (in/hr)	I-10 (in/hr)	I-25 (in/hr)	100.00 (in/hr)	Q-5 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q100 (cfs)		
TO DETENTION POND 'D-1'													
D-1	1.42	0.75	10	6.10	7.10	8.30	9.80	6.50	7.56	8.94	10.44	SHEET FLOW TO DETN. POND D-1	
OS-6	0.64	0.90	10	6.10	7.10	8.30	9.80	0.99	1.16	1.41	1.68	EX. DETN. POND RELEASE = 1.68 CFS TO POND D-1	
OS-7	0.37	0.35	10	6.10	7.10	8.30	9.80	0.79	0.92	1.07	1.27	EX. COMMERCIAL DEV. SHEET FLOWS TO POND D-1	
OS-4	0.50	0.90	10	6.10	7.10	8.30	9.80	2.73	3.17	3.71	4.38	EX. COMMERCIAL DEV. SHEET FLOWS TO POND D-1	
TOTAL AREA	2.93							TOTAL FLOW	11.00	12.81	15.03	17.77	TOTAL FLOW TO DETENTION POND D-1
TOTAL AREA	1.61							TOTAL FLOW	4.61	5.26	6.19	7.33	TOTAL FLOW FROM OFFSITE TO DETENTION POND D-1
TOTAL AREA	1.42							TOTAL FLOW	6.50	7.56	8.94	10.44	TOTAL FLOW FROM ONSITE FLOW TO DETENTION POND D-1
TO DETENTION POND 'D-2'													
D-2	1.77	0.75	10	6.10	7.10	8.30	9.80	8.10	9.43	11.02	13.01	SHEET FLOW TO DETN. POND D-2	
D-3	1.41	0.75	10	6.10	7.10	8.30	9.80	6.46	7.52	8.79	10.38	FLOWS TO C.Y. AREA DRAINS TO POND D-2	
D-4	0.56	0.75	10	6.10	7.10	8.30	9.80	2.58	3.00	3.51	4.15	SHEET FLOWS TO CURB INLET D-4 TO POND D-2	
D-5	0.38	0.75	10	6.10	7.10	8.30	9.80	1.76	2.05	2.40	2.83	SHEET FLOWS TO CURB INLET D-5 TO POND D-2	
D-6	0.25	0.75	10	6.10	7.10	8.30	9.80	1.15	1.34	1.56	1.85	SHEET FLOWS TO CURB INLET D-6 TO POND D-2	
D-7	1.72	0.75	10	6.10	7.10	8.30	9.80	7.87	9.16	10.71	12.65	SHEET FLOWS TO CURB INLET D-7 TO POND D-2	
D-8	2.03	0.75	10	6.10	7.10	8.30	9.80	9.28	10.80	12.63	14.91	SHEET FLOWS TO CURB INLET D-8 TO POND D-2	
D-9	0.44	0.75	10	6.10	7.10	8.30	9.80	2.02	2.35	2.74	3.24	SHEET FLOWS TO CURB INLET D-9 TO POND D-2	
D-10	0.84	0.75	10	6.10	7.10	8.30	9.80	3.83	4.46	5.21	6.15	SHEET FLOWS TO CURB INLET D-10 TO POND D-2	
TOTAL AREA	9.41							TOTAL FLOW	43.06	50.11	58.58	69.37	TOTAL FLOW TO DETENTION POND 'D-2' (NO OFFSITE FLOW)
BYPASS FLOW													
D-0	0.02	0.75	10	6.10	7.10	8.30	9.80	0.11	0.13	0.15	0.18	TO DROP INLET D-0 BYPASS POND TO DESIGN PNT. 4	
D-11	0.15	0.75	10	6.10	7.10	8.30	9.80	0.69	0.80	0.93	1.10	TO DROP INLET D-0 BYPASS POND TO DESIGN PNT. 4	
OS-1	0.16	0.80	10	6.10	7.10	8.30	9.80	0.79	0.93	1.08	1.10	EX. DETN. POND RELEASE = 1.1 CFS TO DESIGN PNT. 4	
OS-2	0.41	0.90	10	6.10	7.10	8.30	9.80	2.25	2.62	3.06	3.62	EX. COMMERCIAL DEV. SHEET FLOWS TO DESIGN PNT. 4	
OS-3	0.37	0.90	10	6.10	7.10	8.30	9.80	1.37	1.62	1.85	2.01	EX. DETN. POND RELEASE = 2.01 CFS TO DESIGN PNT. 4	
OS-5	3.02	0.35	20	4.90	5.90	6.60	8.30	5.18	6.24	6.98	8.78	BYPASS PIPE FLOW THROUGH SITE TO DESIGN PNT. 4	
TOTAL AREA	4.13							TOTAL FLOW	10.38	12.31	14.03	16.78	TOTAL FLOW TO BYPASS TO DESIGN PNT. 4
TOTAL AREA	16.48							TOTAL FLOW	64.43	75.24	87.65	103.72	TOTAL FLOW TO DESIGN PNT. 4

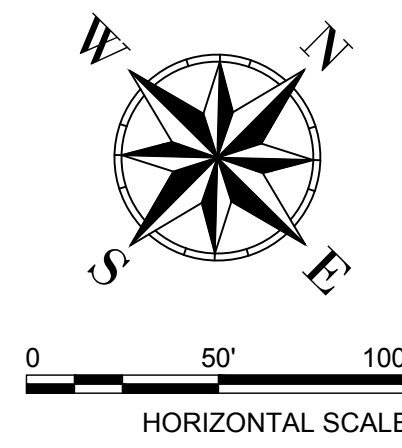
BASIN 'A' PROPOSED DRAINAGE AREA CALCULATIONS													NOTES
AREA ID	AREA (acres)	C	Tc (min.)	I-5 (in/hr)	I-10 (in/hr)	I-25 (in/hr)	100.00 (in/hr)	Q-5 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q100 (cfs)		
A-1	0.33	0.75	10	6.10	7.10	8.30	9.80	1.49	1.73	2.02	2.39	SHEET FLOW TO EX. CURB INLET	
A-2	0.18	0.75	10	6.10	7.10	8.30	9.80	0.81	0.94	1.10	1.30	SHEET FLOW TO TOWNSEND DRIVE	
TOTAL AREA	0.50					TOTAL FLOW	2.30	2.67	3.13	3.69		TOTAL FLOW TO DESIGN PNT.	

BASIN 'B' PROPOSED DRAINAGE AREA CALCULATIONS														NOTES
AREA ID	AREA (acres)	C	Tc (min.)	I-5 (in/hr)	I-10 (in/hr)	I-25 (in/hr)	100.00 (in/hr)	Q-5 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q100 (cfs)			
B-1	0.20	0.75	10	6.10	7.10	8.30	9.80	0.91	1.05	1.23	1.46	SHEET FLOW OFF-SITE TO DROP INLET		
TOTAL AREA	0.20					TOTAL FLOW	0.91	1.05	1.23	1.46	TOTAL FLOW TO DESIGN PNT. 2			

BASIN 'C' PROPOSED DRAINAGE AREA CALCULATIONS													NOTES
AREA ID	AREA (acres)	C	Tc (min.)	I-5 (in/hr)	I-10 (in/hr)	I-25 (in/hr)	100.00 (in/hr)	Q-5 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q100 (cfs)		
C-1	0.84	0.75	10	6.10	7.10	8.30	9.80	3.85	4.48	5.24	6.19	SHEET FLOW OFF-SITE TO EX FIRELANE	
TOTAL AREA	0.84						TOTAL FLOW	3.85	4.48	5.24	6.19	TOTAL FLOW TO DESIGN PNT. 3	

- NOTES:
- LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION TO BE DEVELOPED AT A LATER TIME.
 - DETENTION PONDS DESIGNED TO HANDLE STORM WATER FROM BOTH PROPOSED LOTS.
 - DETENTION IS ONLY PROVIDED FOR ONSITE DEVELOPMENT. EXISTING OFFSITE FLOW IS INCLUDED IN DESIGN CALCULATIONS.

NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.



DESIGN POINT 4:
EX. 4'X4' DROP INLET W/ 30" RCP.
EX. 30" RCP CAPACITY = 40.00 CFS

EX. OFF-SITE BYPASS = 22.83 CFS
REMAINING PIPE CAPACITY = 17.17 CFS

TOTAL PROPOSED FLOW TO DESIGN PNT. 4
DIRECT BYPASS = 16.78 CFS
(DRAINAGE AREAS = D-0, D-11, OS-1, OS-2, OS-3, OS-4)
DETN. POND D-1 RELEASE RATE = 10.93 CFS
(DRAINAGE AREAS = D-1, OS-6, OS-7, OS-4)
(7.33 CFS OFFSITE BYPASS)
DETN. POND D-2 RELEASE RATE = 11.99 CFS
(DRAINAGE AREAS = D-2 THRU D-10)
TOTAL (40.00 CFS ALLOWED) = 39.70 CFS

EX. DETENTION POND
MAX RELEASE RATE = 1.1 CFS

PRE-DEV. FLOW (C=0.35) = 8.78 CFS

ONLY PRE-DEV. FLOWS WILL BE ALLOWED
ON-SITE INTO THE DROP INLET. ALL POST
DEVELOPED FLOWS WILL NEED TO BE
DETAINED OFF-SITE (BY-OTHERS). AN 18" RCP
PIPE WILL BE STUBBED TO PROPERTY LINE
FOR FUTURE DEVELOPMENT. FLOW FROM
OS-5 BY PASSES DETENTION PONDS GOING
STRAIGHT TO DESIGN POINT 4

EX. DETENTION
MAX RELEASE RATE = 1.80 CFS

RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED
BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD,
SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS
AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT
THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

THOMAS A. LUNZMAN P.E.

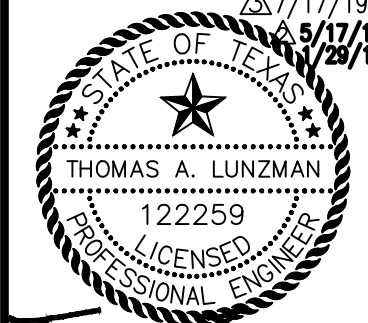
02/08/2021
DATE

DESIGN POINT 2:
EX. OFFSITE SHEET FLOW TO SE
(EVENTUALLY FLOWS TO DROP INLET).

EX. Q100 = 2.8 CFS
PROP. Q100 = 1.46 CFS

DRAINAGE AREA MAP (POST)

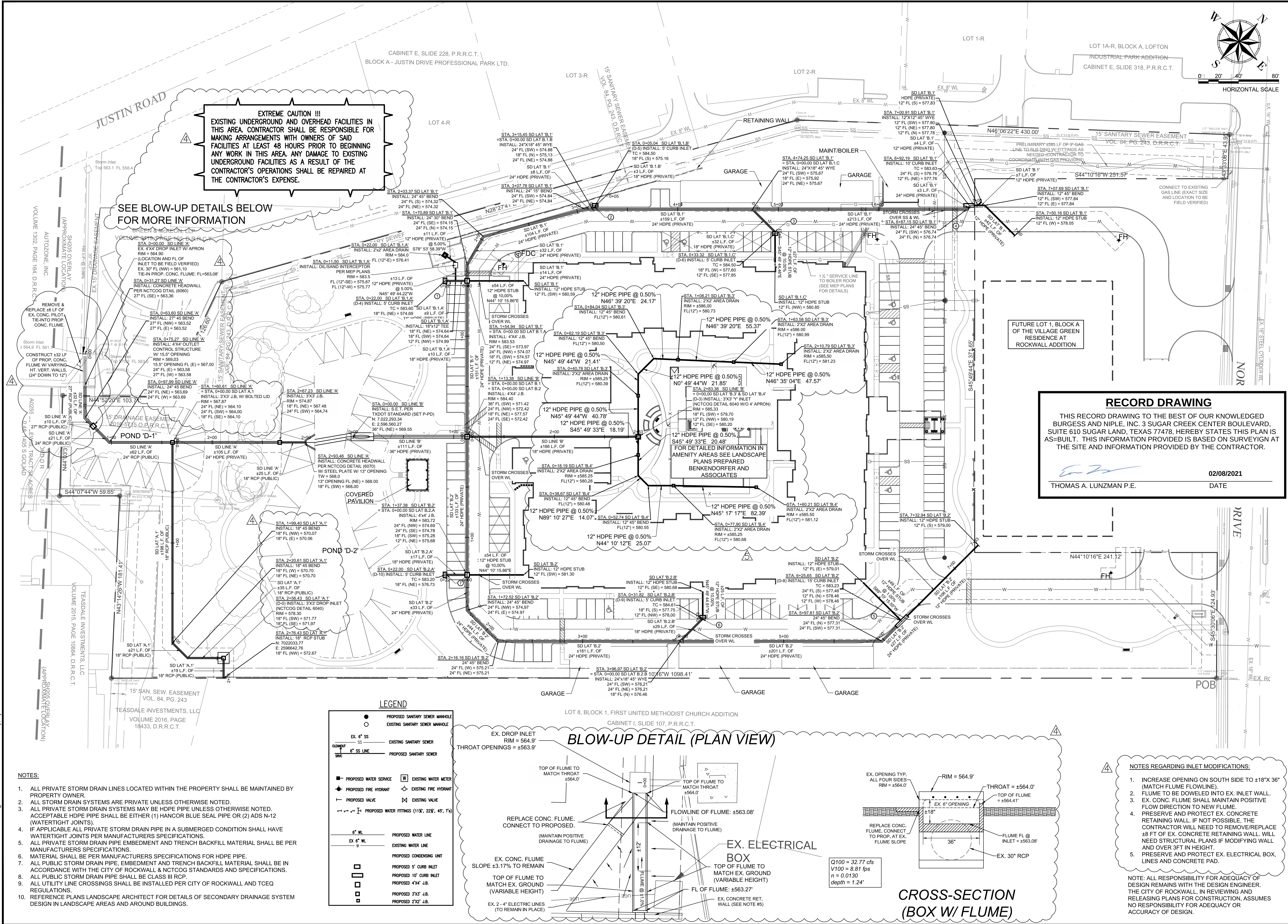
NO.	REV/ISONS	DATE	BY	CHK				
					TAL	TAL	TAL	TAL
1	UPDATE WATERLINE LAYOUT	02/21/19						
2	MINOR HUD/OWNER COMMENTS	05/17/19						
3	REV. TO SIDEWALKS & COURTYARD (STORM) PER LANDSCAPE	07/17/19						



JOB NUMBER	56211
DESIGNED BY	TAL
DRAWN BY	NRM/TAL
APPROVED BY	TAL
CHECKED BY	JTR
DATE	01/29/2019
SCALE	1" = 50'
SHEET NUMBER	OF
C.11	23

BENCHMARK
SITE BENCHMARK
SITE BENCHMARK CROSS CUT ON TOP OF CURB AT THE NORTHEAST CORNER OF LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION. DISTANCE FROM THE CENTER OF LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION TO THE CENTER OF LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION IS 102.100.073'. ELEV. = 983.32'.
SITE BENCHMARK CROSS CUT ON TOP OF CURB AT THE SOUTHWEST CORNER OF LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION. DISTANCE FROM THE CENTER OF LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION TO THE CENTER OF LOT 1, BLOCK 1 VILLAGE GREEN RESIDENCE AT ROCKWALL ADDITION IS 102.244.440'. ELEV. = 985.72'.

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY



BURGESS & NIPL

10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TBE FIRM REGISTRATION NO. F-10834

STORM DRAINAGE PLAN

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING COMMUNITY

NO.	DATE	BY	CHK	REVISIONS
1	02/21/19	TAL	TAL	UPDATE WATERLINE LAYOUT
2	05/17/19	TAL	TAL	MINOR DUD/OWNER COMMENTS
3	07/17/19	KIM	TAL	REV. TO SUBMITTALS & COURTYARD (STORM) PER LANDSCAPE
4	09/19/19	KIM	TAL	REV. TO EX. STORM TIE-IN ELEVATION AND SD LINE 'A' (PUBLIC)
5	11/07/19	KIM	TAL	REV. COURTYARD DRAINS, BACKFLOW, SS SERVICE, GARAGE FOOTPRINTS

DESIGNED BY: TAL

DRAWN BY: NRM/TAL

APPROVED BY: TAL

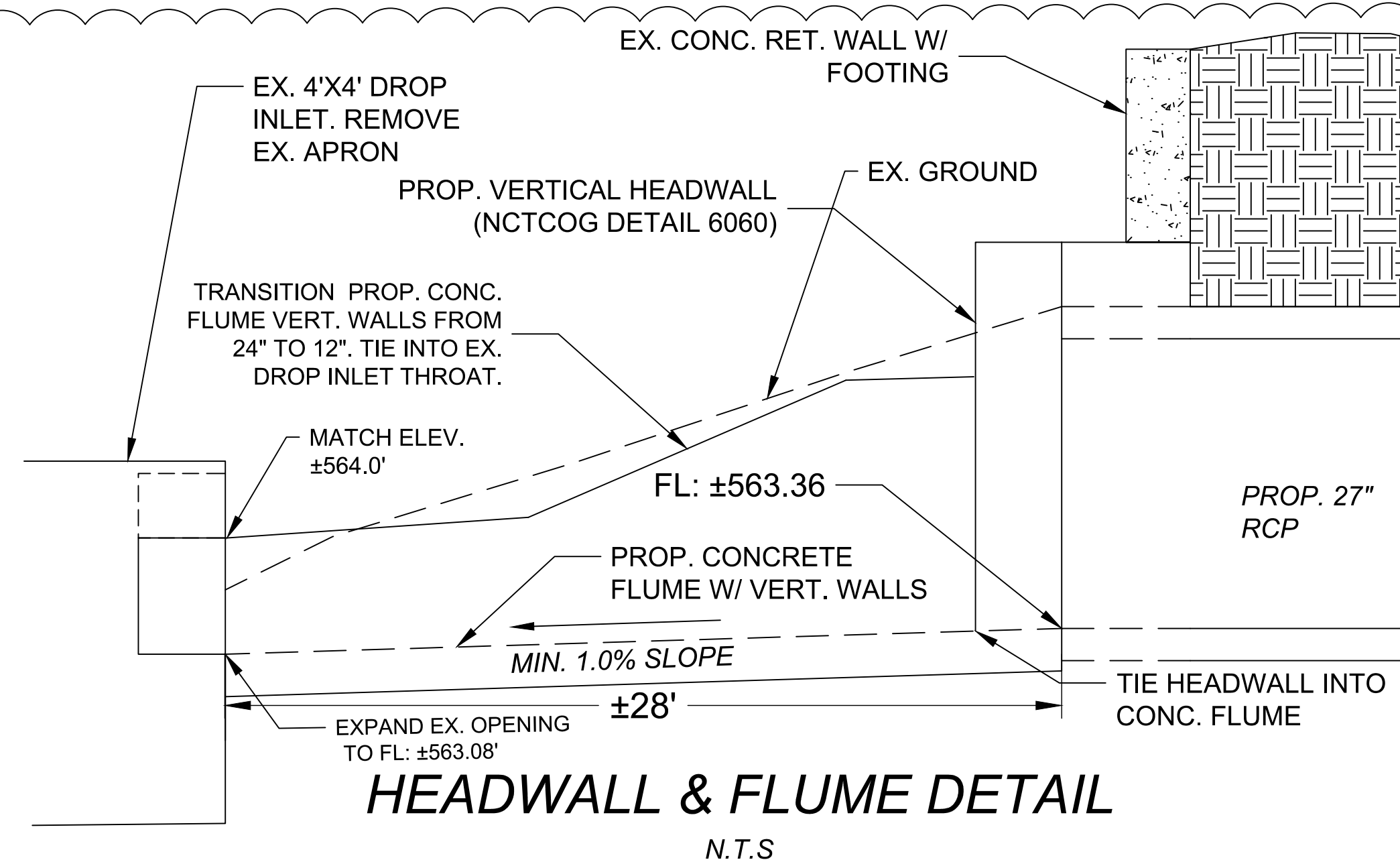
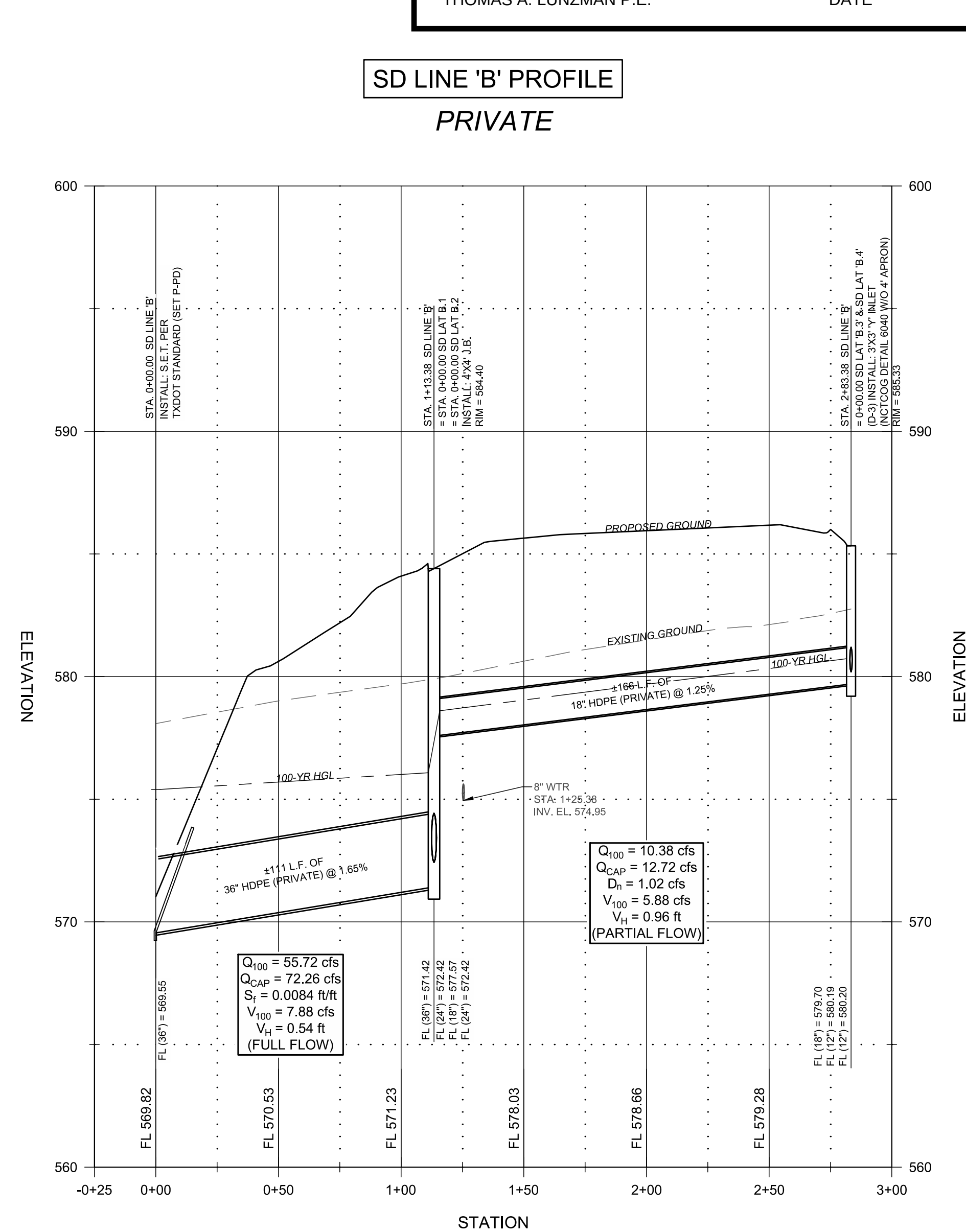
CHECKED BY: JTR

DATE: 01/29/2019

SCALE: 1" = 40'

SHEET NUMBER: C.13 OF 23

STATE OF TEXAS
Professional Engineer
122259
THOMAS A. LUNZMAN
11/07/19



2. ANY & ALL DETAILS NOT PROVIDED WITH THESE CONSTRUCTION DRAWINGS. SHALL COME FROM CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION & NCTCOG PUBLIC WORKS CONSTRUCTION STANDARDS FOURTH EDITION.

02/08/2021
DATE

BURGESS & NIPLE

10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TBPE FIRM REGISTRATION NO. F-118

BENCHMARK
CITY RM:

SITE BM ONE: CROSS CUT ON TOP OF CURB AT THE NORTHEAST CORNER OF THE SOUTH HEADIN PARKING FOR THE APPRAISAL DISTRICT BUILDING, 95' SOUTHWESTERLY FROM THE CENTER OF TOWNSHEND BLVD. & 340' SOUTHEASTERLY FROM THE CENTER OF JUSTIN DRIVE.
N: 7023100.573 E: 2596809.421 ELEV = 583.32'

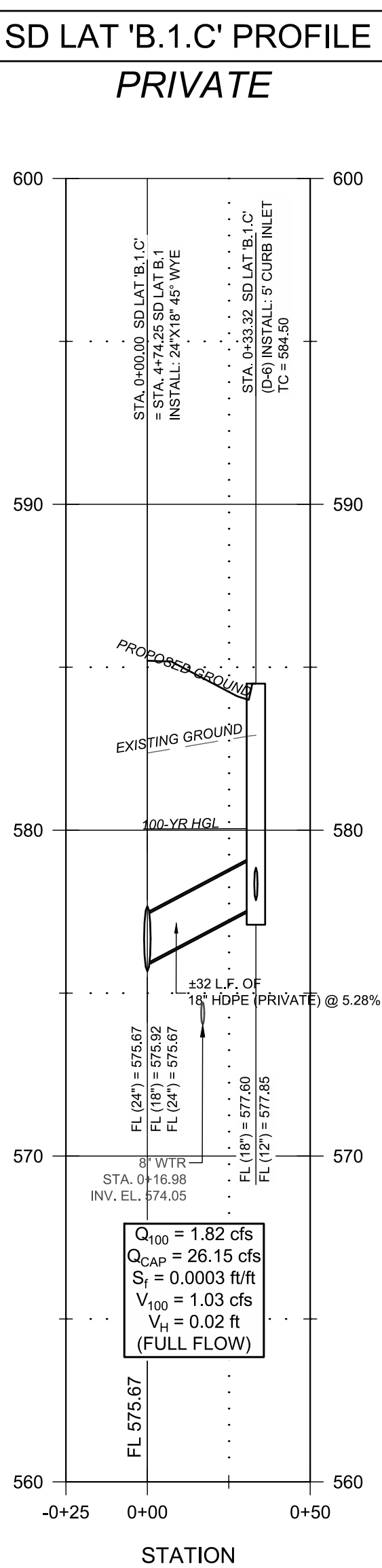
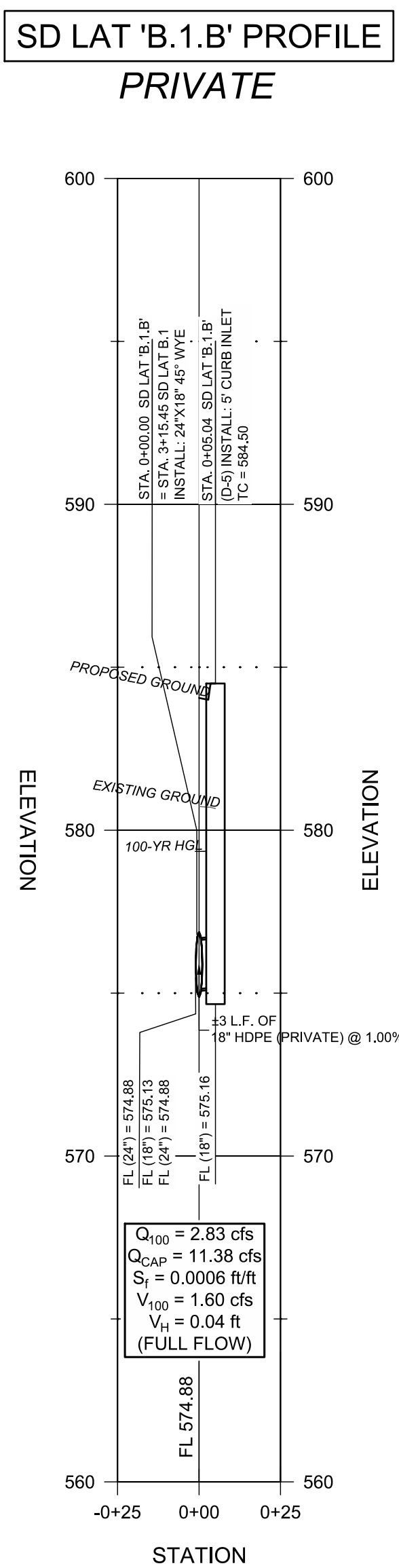
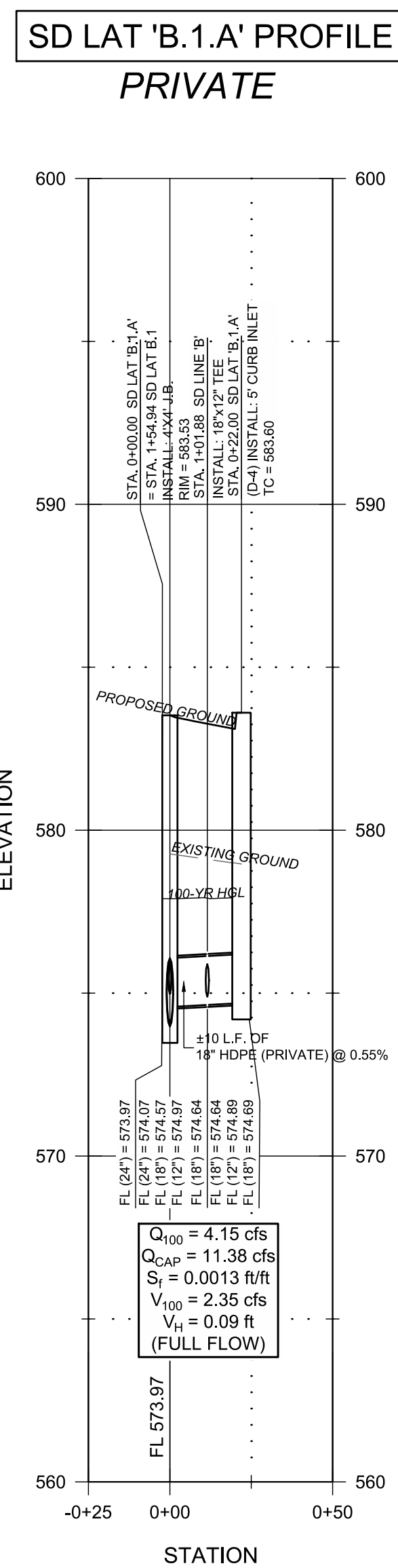
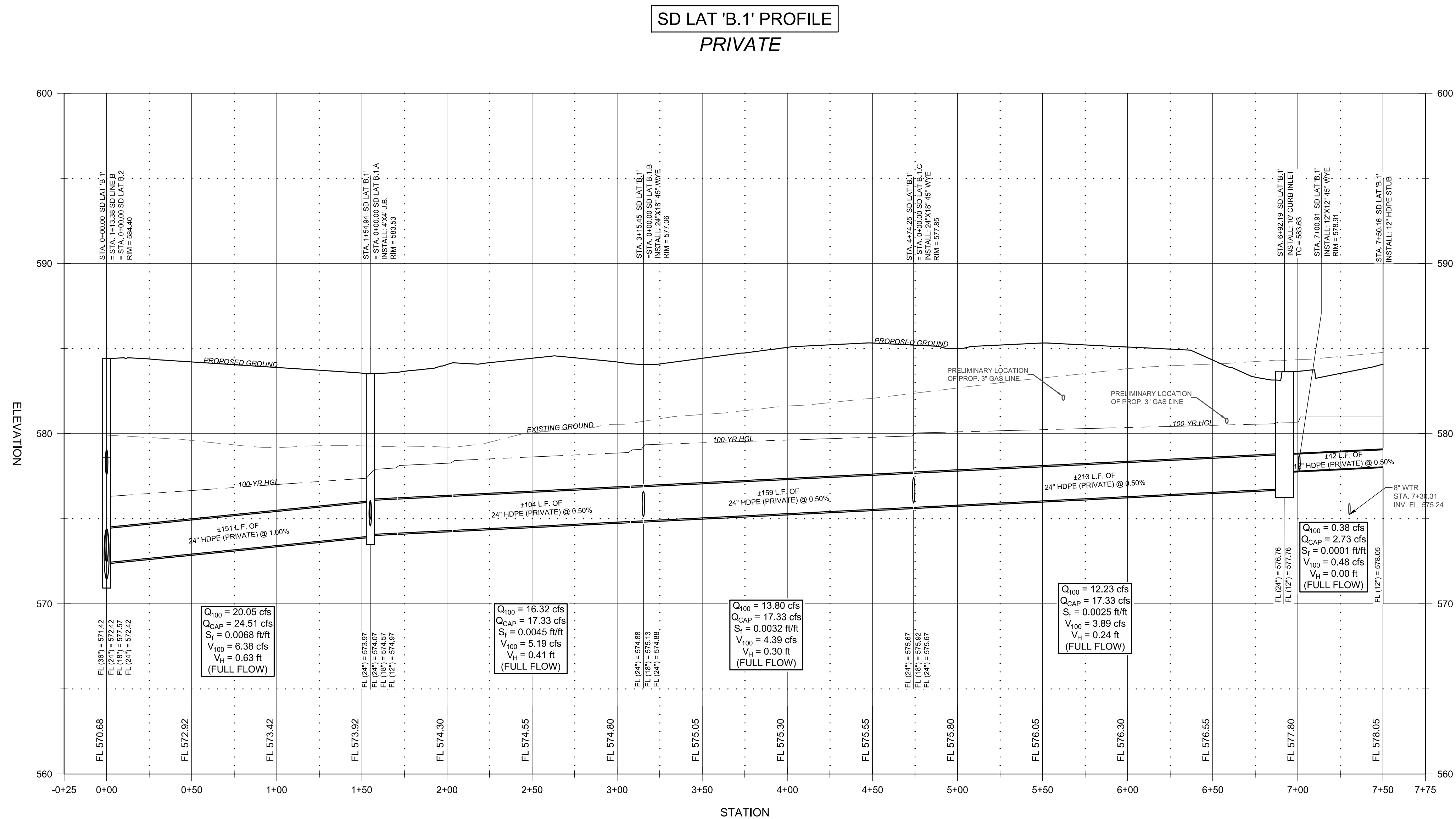
SITE BM TWO: CROSS CUT IN SIDEWALK, 41' SOUTHWESTERLY FROM THE CENTER OF TOWNSHEND BLVD. & 895' SOUTHEASTERLY FROM THE CENTER OF JUSTIN DRIVE.

STORM DRAINAGE
PROFILES (SHEET 1 OF 3)

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REVISIONS	DATE	BY	CHK
△	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
△	MINOR HUD/OWNER COMMENTS	05/17/19	TAL	TAL
△	REV. TO SIDEWALKS & COURTYARD	07/17/19	KTM	TAL
△	(STORM) PER LANDSCAPE			
△	REV. TO EX. STORM TIE-IN ELEVATION AND SD LINE "A" (PUBLIC)	09/19/19	KTM	TAL

JOB NUMBER: 56211
 DESIGNED BY: TAL
 DRAWN BY: NRMUTAL
 APPROVED BY: TAL
 CHECKED BY: JTR
 DATE: 01/29/2019
 SCALE: H: 1"=40', V: 1"=4'
 SHEET NUMBER: OF
C.14 23



PRIOR TO BEGINNING WORK. CONTRACTOR TO FIELD VERIFY EXACT DEPTH/
LOCATION, FLOWLINES OF EXISTING STORM DRAIN INLETS AND PIPES.
CONTRACTOR SHALL CONTACT ENGINEER IF THERE ARE ANY
DISCREPANCIES.

RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED
BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD,
SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS
AS=BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT
THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

THOMAS A. LUNZMAN P.E.

02/08/2021

DATE

NOTE:

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BENCHMARK
CITY BM:

SITE BM ONE: CROSS CUT ON TOP OF CURB AT THE NORTHEAST END OF THE SOUTH HEAVEN PARKING FOR THE APPRAISAL DISTRICT BUILDING, 935 SOUTHWESTERLY FROM THE CENTER OF TOWNSHIP BLVD., & 340' SOUTHEASTERLY FROM THE CENTER OF JUSTIN DRIVE. E: 25960909.421 ELEV. = 583.32'

SITE BM TWO: CROSS CUT IN SIDEWALK, 417' SOUTHWESTERLY FROM THE CENTER OF TOWNSHIP BLVD. & 895' SOUTHWESTERLY FROM THE CENTER OF JUSTIN DRIVE. E: 16027144.156 ELEV. = 684.72'

STORM DRAINAGE
PROFILES (SHEET 2 OF 3)

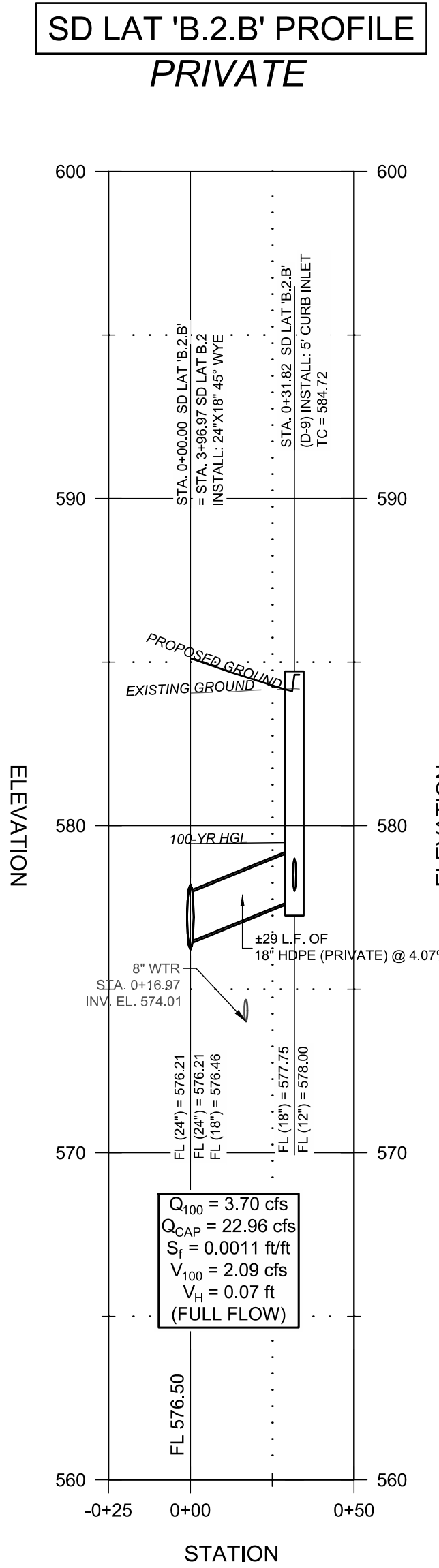
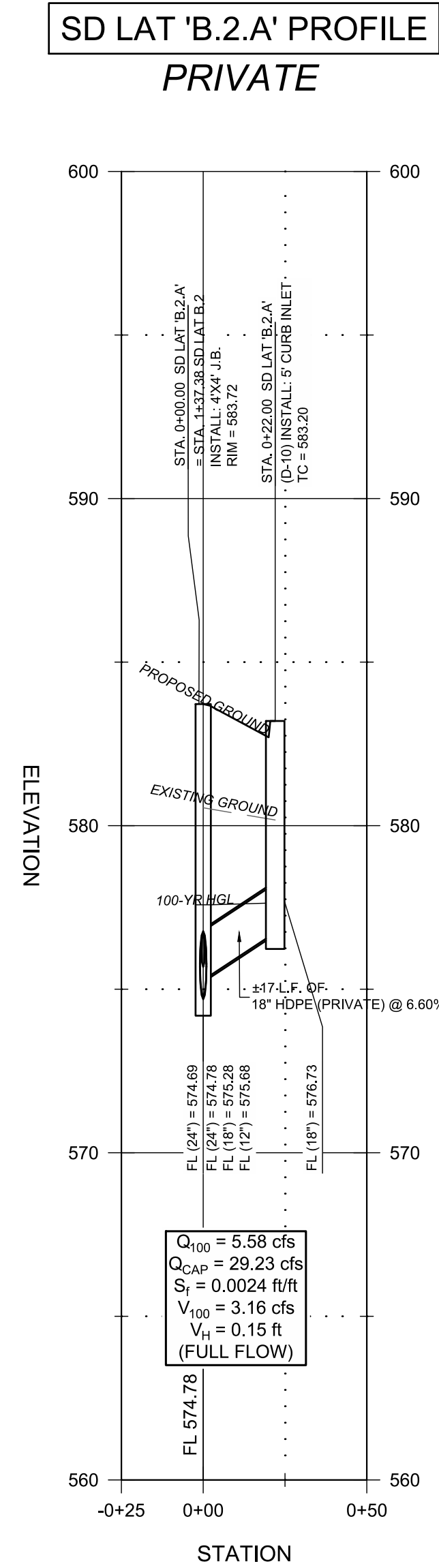
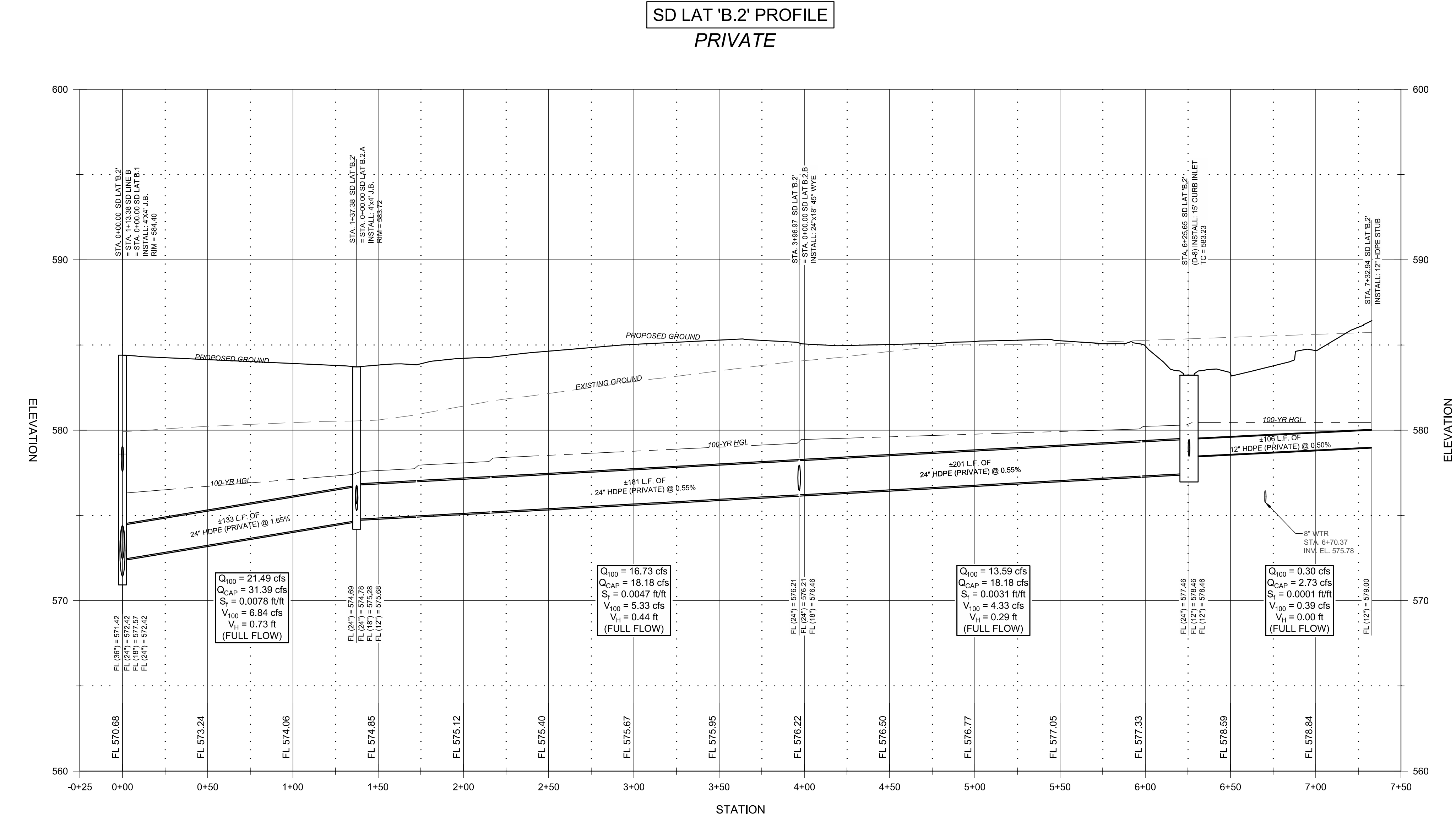
ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

BURGESS & NIPLE

10701 CORPORATE DR., SUITE 118

**STAFFORD, TEXAS 77477
PHONE: (281) 980-7705**

TBPE FIRM REGISTRATION NO. F-10834



RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

THOMAS A. LUNZMAN P.E. 02/08/2021 DATE

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PRIOR TO BEGINNING WORK, CONTRACTOR TO FIELD VERIFY EXACT DEPTH/ LOCATION, FLOWLINES OF EXISTING STORM DRAIN INLETS AND PIPES. CONTRACTOR SHALL CONTACT ENGINEER IF THERE ARE ANY DISCREPANCIES.

BURGESS & NIPLE
10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TBE FIRM REGISTRATION NO. F-10834

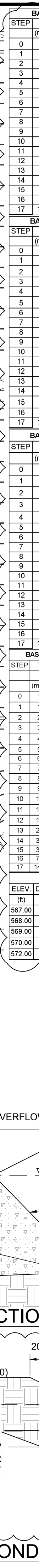
STORM DRAINAGE PROFILES (SHEET 3 OF 3)

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REVISIONS	DATE	BY	CHK
1	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
2	MINOR HUD/OWNER COMMENTS	05/17/19	TAL	TAL
3	REV. TO SIDEWALKS & COURTYARD (STORM) PER LANDSCAPE	07/17/19	KTM	TAL

STATE OF TEXAS
122259
THOMAS A. LUNZMAN
PROFESSIONAL ENGINEER

JOB NUMBER: 56211
DESIGNED BY: TAL
DRAWN BY: NRM/TAL
APPROVED BY: TAL
CHECKED BY: JTR
DATE: 01/29/2019
SCALE: H: 1" = 40' V: 1" = 4'
SHEET NUMBER: C.16 OF 23



ORIFICE

Q = CAV
 $g = 32.2 \text{ ft/sec}^2$
 h = varies
 567.00
 568.00
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 570.00
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NOTE: ALL

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POND D-1

POND D-1

POND D-2

DIRECT BY

WALL

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EEL PLAT

WIRE MES

T



REMAINS WITHIN REVIEWED, ASSURANCE SHALL BE MAINTAINED FROM THE DATE OF THE ACHIEVEMENT OF THE ANCHORAGE PONDSDURING THE CONSTRUCTION STAGE.

ORDONANCE AND C

DESIGN

FOR

DEVELOPED DRAINAGE

D-1, OS-3, D-2, OS-3, &

INSTALLED SHEET

MIN.

STEP		B ₁ (m)
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17

STEP		B ₂ (m)
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17

STEP		B ₃ (m)
0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
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RD		BENCHMARK CITY ONE	STORM RETENTION DIAM	BY	CHK	DATE	NO.			9/		JOB NO	DESIGN	DRAW	APPRO	CHECK	DATE	SCALE	SHEET

ALDERS AT ROCKWALL

(A)	(B) REV. TO EX. STORM TIE-IN ELEVATION AND SO. LINE "X" PUBLIC	(C) 09/19/19	(D) KTM	(E) TAL
TAL	5621'			
NRM/T				
JTR				
01/29/20	1" = 30'			

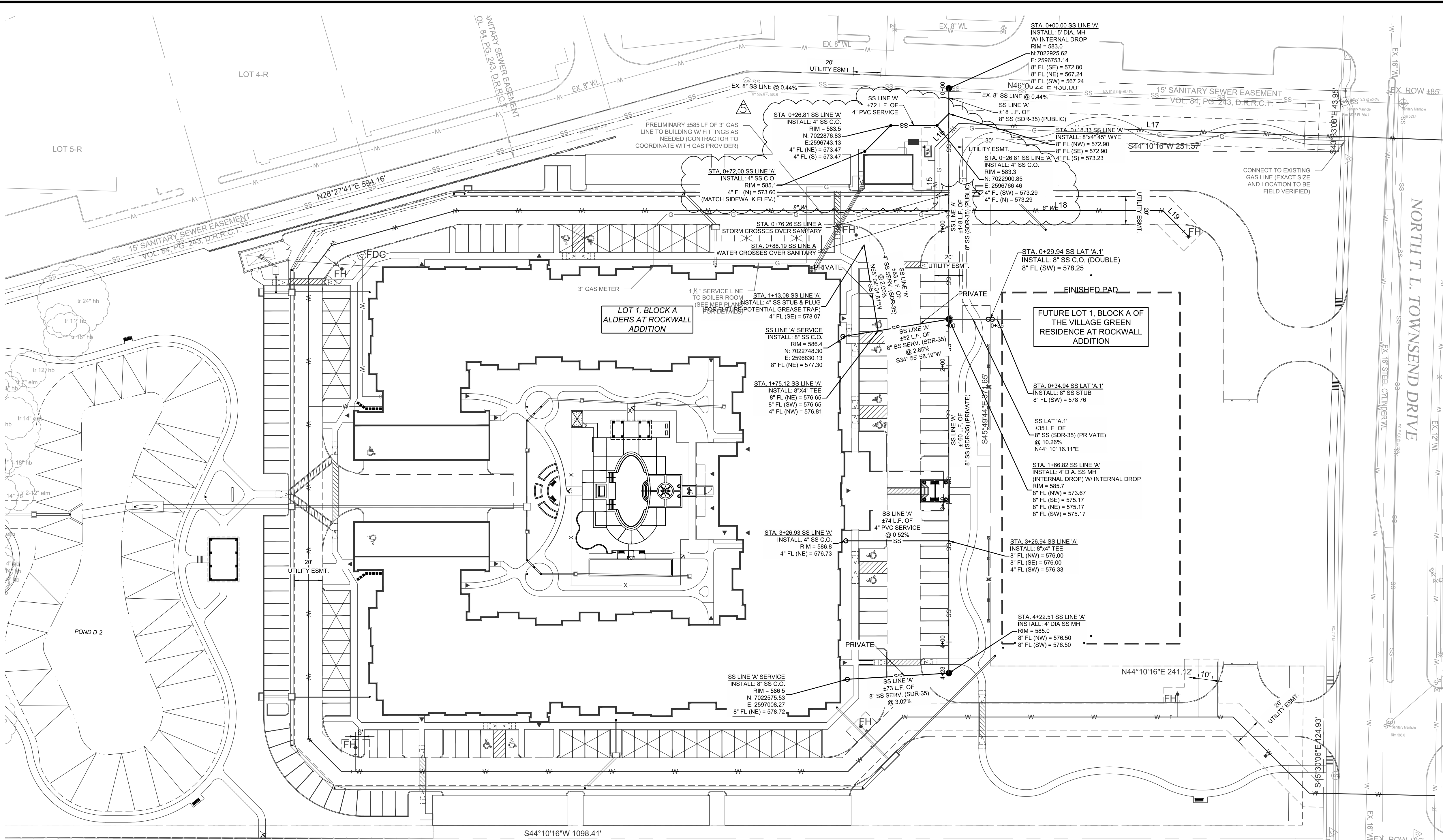
SITE BM 200 CROSS CUT IN SIDEWALK 41' SOUTHWESTLY FROM THE CENTER OF TOWNSHIP BLVD. & 885' N. 702303.575 E. 256609.921 ELEV. = 503.32

STAFFORD, TEXAS 77477

PHONE: (281) 880-7705

TXS REGISTRATION NO. E-00924

TXS EIGHT REGISTRATION NO.



LEGEND	
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER
	EXISTING SANITARY SEWER
	PROPOSED WATER SERVICE
	EXISTING WATER SERVICE
	PROPOSED FIRE HYDRANT
	EXISTING FIRE HYDRANT
	PROPOSED VALVE
	EXISTING VALVE
	PROPOSED WATER FITTINGS (11", 22", 45", 1')
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED CONDENSING UNIT
	PROPOSED 5' CURB INLET
	PROPOSED 10' CURB INLET
	PROPOSED 4'x4' J.B.
	PROPOSED 2'x2' J.B.

- NOTES:
1. PER CITY OF ROCKWALL STANDARDS, ALL 8" WATER MAINS SHALL HAVE 42" OF COVER.
 2. ALL 8" WATER MAINS SHALL BE AWA C900 / DR14 PVC PIPE, MECHANICAL JOINT OR A JOINT OF THE TYPE WHICH PROVIDES A RECESSION IN THE BELL FOR THE EMPLOYMENT OF A SINGLE RUBBER GASKET TO BE PLACED BEFORE THE INSERTION OF THE SUCCEEDING SPIGOT. JOINT MATERIAL SHALL CONFORM TO ASTM F477.
 3. REFER TO CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS - WATER PROVIDED BY DEPARTMENT OF ENGINEERING.
 4. ALL WATER LINE AND SANITARY SEWER CROSSINGS SHALL BE INSTALLED PER CITY OF ROCKWALL AND TCEQ REGULATIONS.
 5. NO SERVICES SHALL BE ALLOWED ON LINES 10-FOOT OR DEEPER
 6. MANHOLES TO BE SEALED AND RAVEN LINED OR APPROVED EQUAL.
 7. A GREEN EMS DISK SHALL BE INSTALLED ON EVERY MANHOLE, CLEANOUT, AND SERVICE CONNECTION.

NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

02/08/2021

THOMAS A. LUNZMAN P.E.

DATE

BURGESS & NIPLE

10701 CORPORATE DR., SUITE 118

STAFFORD, TEXAS 77477

PHONE: (281) 980-7705

TBPE FIRM REGISTRATION NO. F-10834

ALDERS AT ROCKWALL

SENIOR INDEPENDENT LIVING

COMMUNITY

NO.	REVISIONS	DATE	BY	CHK
1	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
2	MINOR HUD/OWNER COMMENTS	05/17/19	TAL	TAL
3	REV. TO SIDEWALKS & COURTYARD (STORM) PER LANDSCAPE	07/17/19	KTM	TAL
4	REV. TO EX. STORM IE-IN ELEVATION AND SD LINE 'A' (PUBLIC)	09/19/19	KTM	TAL
5	REV. COURTYARD DRAINS, BACKFLOW, SS SERVICE, GARAGE FOOTPRINTS	11/07/19	KTM	TAL

STATE OF TEXAS

THOMAS A. LUNZMAN

122259

PROFESSIONAL ENGINEER

11/07/19

11/17/19

JOB NUMBER: 56211

DESIGNED BY: TAL

DRAWN BY: NRM/TAL

APPROVED BY: TAL

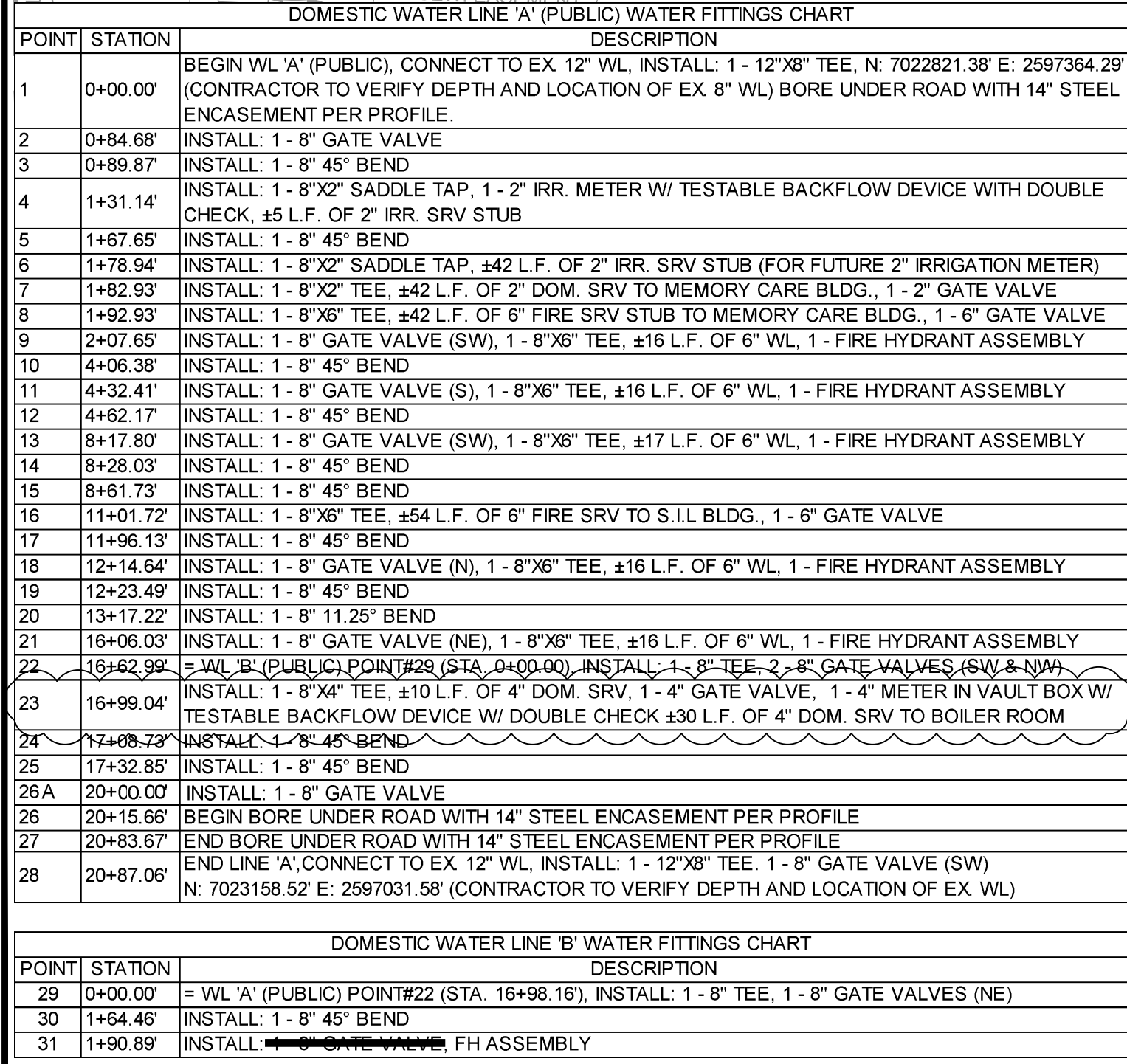
CHECKED BY: JTR

DATE: 01/29/2019

SCALE: 1" = 40'

SHEET NUMBER: C.18

OF 23



LINE DATA TABLE		
NO	BEARING	DISTANCE
L17	N46° 06' 59"E	354.20'
L18	N44° 10' 16"E	164.46'
L19	N89° 10' 15"E	26.44'

THOMAS A. LUNZMAN P.E.

DATE _____

- NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

●	PROPOSED SANITARY SEWER MANHOLE
○	EXISTING SANITARY SEWER MANHOLE
Ex. 6" SS	
SS —————	EXISTING SANITARY SEWER
C/ENDOUT SS ————— 6" SS LINE	PROPOSED SANITARY SEWER
■	PROPOSED WATER SERVICE
⬢	EXISTING WATER SERVICE
⬢	PROPOSED FIRE HYDRANT
⬢	EXISTING FIRE HYDRANT
—	PROPOSED VALVE
⌵	EXISTING VALVE
⌵ ⌵ ⌵	PROPOSED WATER FITTINGS (1 1/2", 2", 2 1/2", 4", 6", 8", 10")
6" WL	PROPOSED WATER LINE
Ex. 6" WL	
WL —————	EXISTING WATER LINE
□	PROPOSED CONDENSING UNIT
□	PROPOSED 5" CURB INLET
□	PROPOSED 10" CURB INLET
□	PROPOSED 14"x4" J.B.
□	PROPOSED 2'x2" J.B.

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED BY VARIOUS OWNERS OF THE FACILITIES. THE ENGINEER DOES NOT ACCEPT THE RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, AND TO NOTIFY THE ENGINEER PROMPTLY OF ALL CONFLICTS OF THE WORK WITH EXISTING FACILITIES. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING FACILITIES FROM DAMAGES DURING CONSTRUCTION. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE. CONTACT ALL POSSIBLE UTILITY AND UNDERGROUND FACILITY OWNERS.

10701 CORPORATE DR., SUITE 118
STAFFORD, TEXAS 77477
PHONE: (281) 980-7705
TTBPE FIRM REGISTRATION NO. F-118

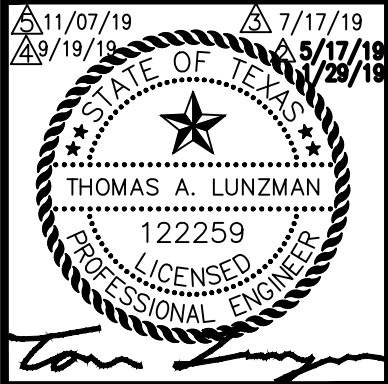
BENCHMARK
CITY/BLD

SITE BMO ONE: GROSS CUT ON TOP OF CURB AT THE NORTHEAST DISTRICT OF SOUTH-HEAVIN PARKING FOR THE APPRAISAL. 20' TOWNSHIP BLVD., 85' TOWNSHIP WESTERLY FROM THE CENTER OF TOWNSHIP BLVD., & 340' SOUTH-EASTERLY FROM THE CENTER OF JUSTIN DRIVE. N. 7622103.0173 E. 2596909.421 ELEV. = 593.32'

SITE BMO TWO: GROSS CUT IN SIDEWALK, 41' SOUTH-WESTERLY FROM THE CENTER OF TOWNSHIP BLVD., & 895' SOUTH-EASTERLY FROM THE CENTER OF JUSTIN DRIVE.

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REVISONS	DATE	BY	CHK
△	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
△	MINOR HUD/OWNER COMMENTS	05/17/19	TAL	TAL
△	REV. TO SIDEWALKS & COURTYARD (STORM)	07/17/19	KTM	TAL
△	REV. TO EX. STORM TIE-IN ELEVATION AND SD LINE "A" (PUBLIC)	09/19/19	KTM	TAL
△	RECKFLOW DRAINS, BACKFLOW, SS SERVICE, GARAGE FOOTPRINTS	11/07/19	KTM	TAL



JOB NUMBER:	56211
DESIGNED BY:	TAL
DRAWN BY:	NRM/TAL
APPROVED BY:	TAL
CHECKED BY:	JTR
DATE:	01/29/201
SCALE:	1" = 40'
SHEET NUMBER:	OF
C.19	23

A compass rose showing North (N), South (S), East (E), and West (W). Below it is a horizontal scale bar with markings at 0, 20', 40', and 80'.



THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED
BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD,
SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS
AS=BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEIGN AT
THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

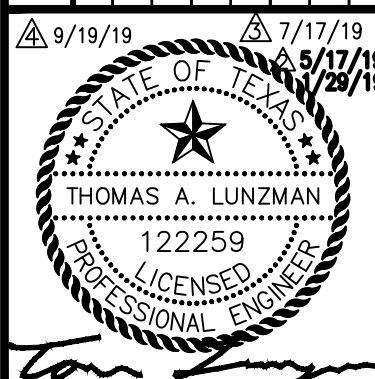

THOMAS A. LUNZMAN P.E.

03/24/2021
DATE

NOTES:
1. ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

2. ANY & ALL DETAILS NOT PROVIDED WITH THESE CONSTRUCTION DRAWINGS. SHALL COME FROM CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION & NCTCOG PUBLIC WORKS CONSTRUCTION STANDARDS FOURTH EDITION.

NO.	REVISIONS	DATE	BY	CNK
A	UPDATE WATERLINE LAYOUT	02/21/19	TAL	TAL
B	MINOR HUB/OWNER COMMENTS	05/17/19	TAL	TAL
C	REV. TO SIDEWALKS & COURTYARD (STORM) FOR LANDSCAPE	07/17/19	KTM	TAL
D	REV. TO EX. STORM TIE-IN ELEVATION AND SD LINE "A". (PUBLIC)	09/19/19	KTM	TAL



JOB NUMBER:	56211
DESIGNED BY:	TAL
DRAWN BY:	NRM/TAL
APPROVED BY:	TAL
CHECKED BY:	JTR
DATE:	01/29/2019
SCALE:	H: 1" 40' V: 1" = 4'
SHEET NUMBER:	OF
C.21	23

BENCHMARK

CITY BN:
SITE BN ONE: CROSS CUT ON TOP OF CURB AT THE NORTHEAST
END OF THE SOUTH HEAVEN PARKING FOR THE APPRAISAL
DISTRICT BUILDING, 96' SOUTHWESTERLY FROM THE CENTER
OF TOWNSHIP BLVD. & 340' SOUTHWESTERLY FROM THE CENTER
OF JUSTIN DRIVE. ELEV. = 563.32'
N. 70231100.573 E. 25966009.421
SITE BN TWO: CROSS CUT IN SIDEWALK, 411' SOUTHWESTERLY
FROM THE CENTER OF TOWNSHIP BLVD. & 885'
SOUTHWESTERLY FROM THE CENTERS OF JUSTIN DRIVE.
ELEV. = 564.72'
N. 70231244.156 E. 26027141.560

UTILITY PROFILES
(SHEET 2 OF 2)

ALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

BURGESS & NIPLE

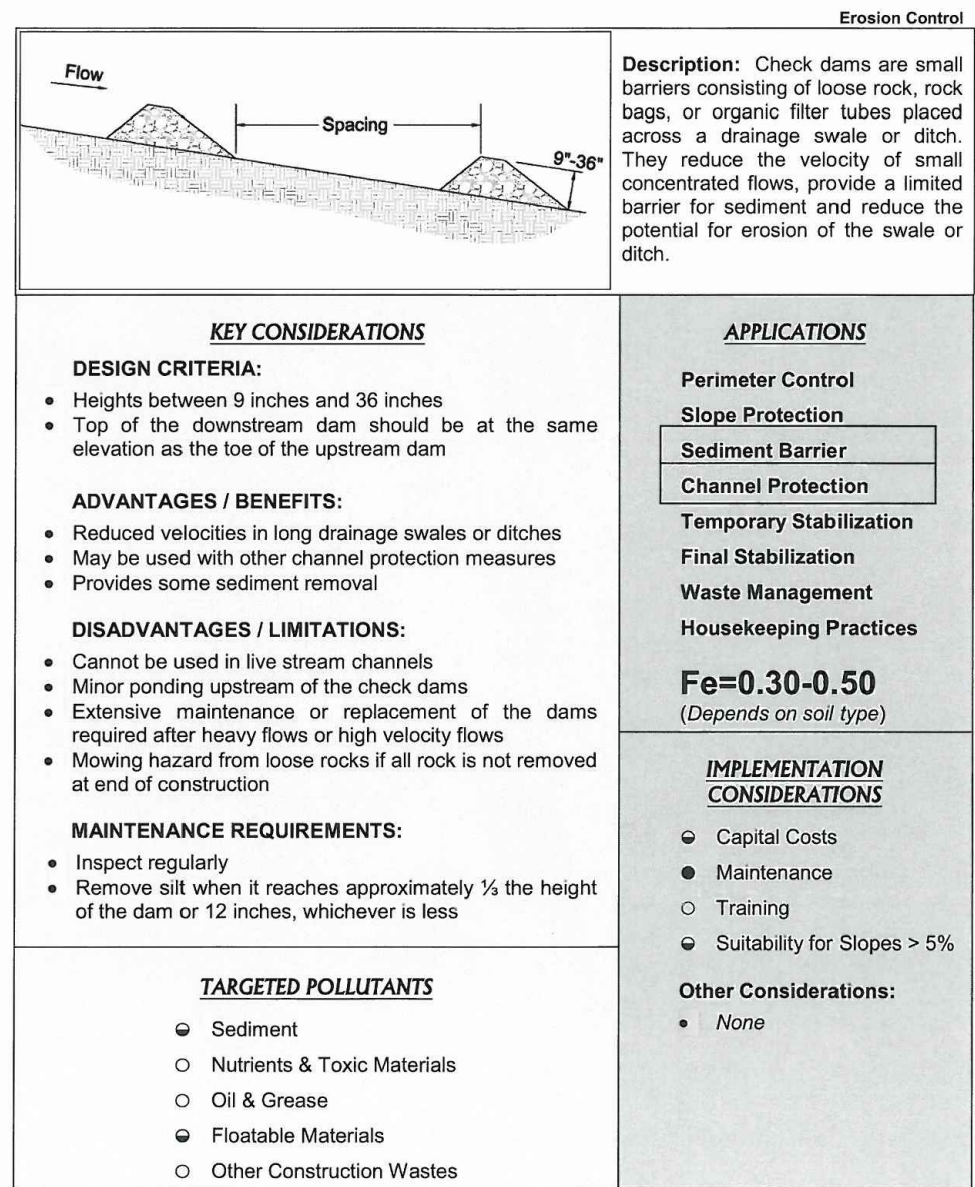
10701 CORPORATE DR., SUITE 118

STAFFORD, TEXAS 77477
PHONE: (281) 980-7705

TBPE FIRM REGISTRATION NO. F-10834

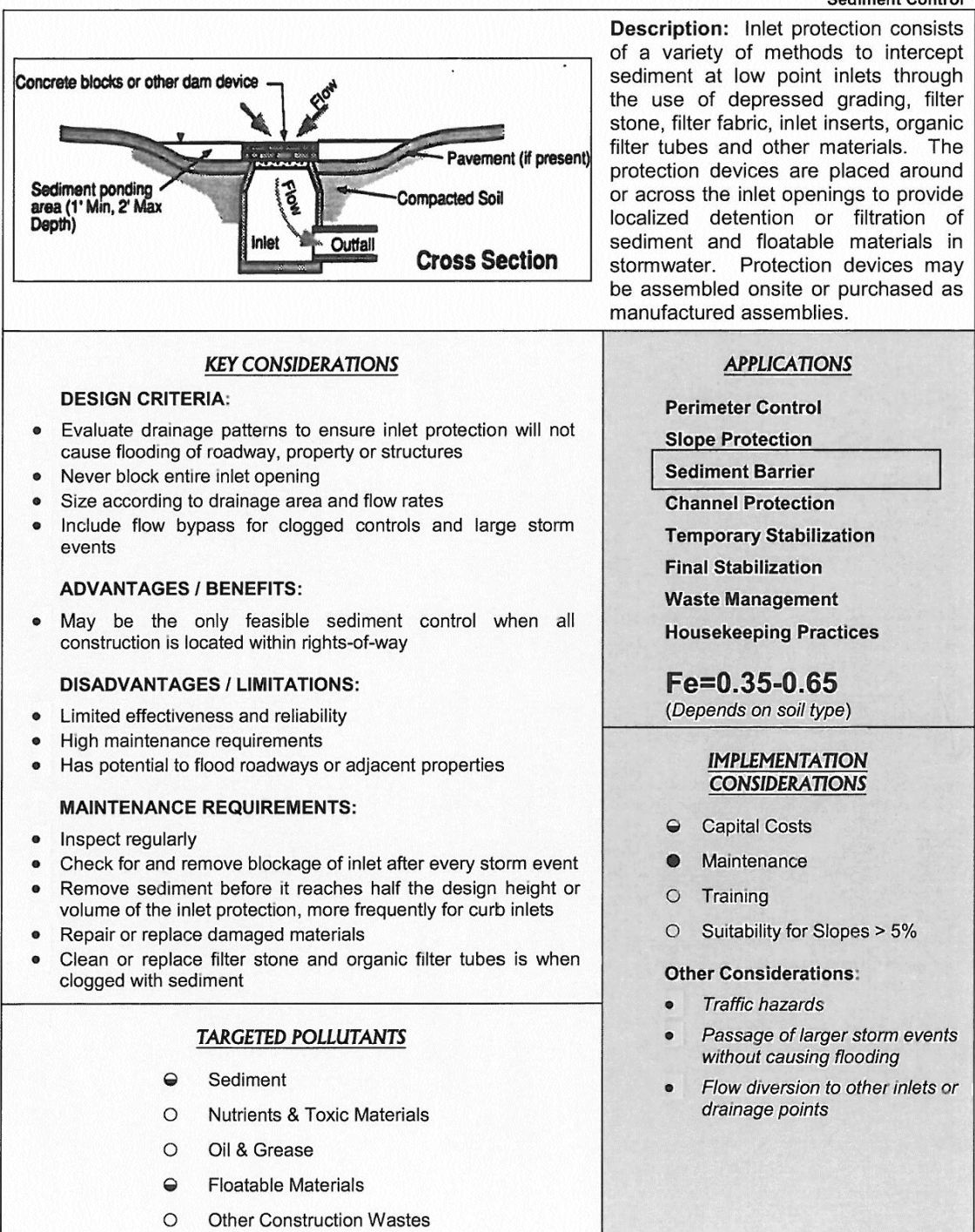
2.0 Erosion Controls

2.1 Check Dam

Check Dam
Revised 04/10

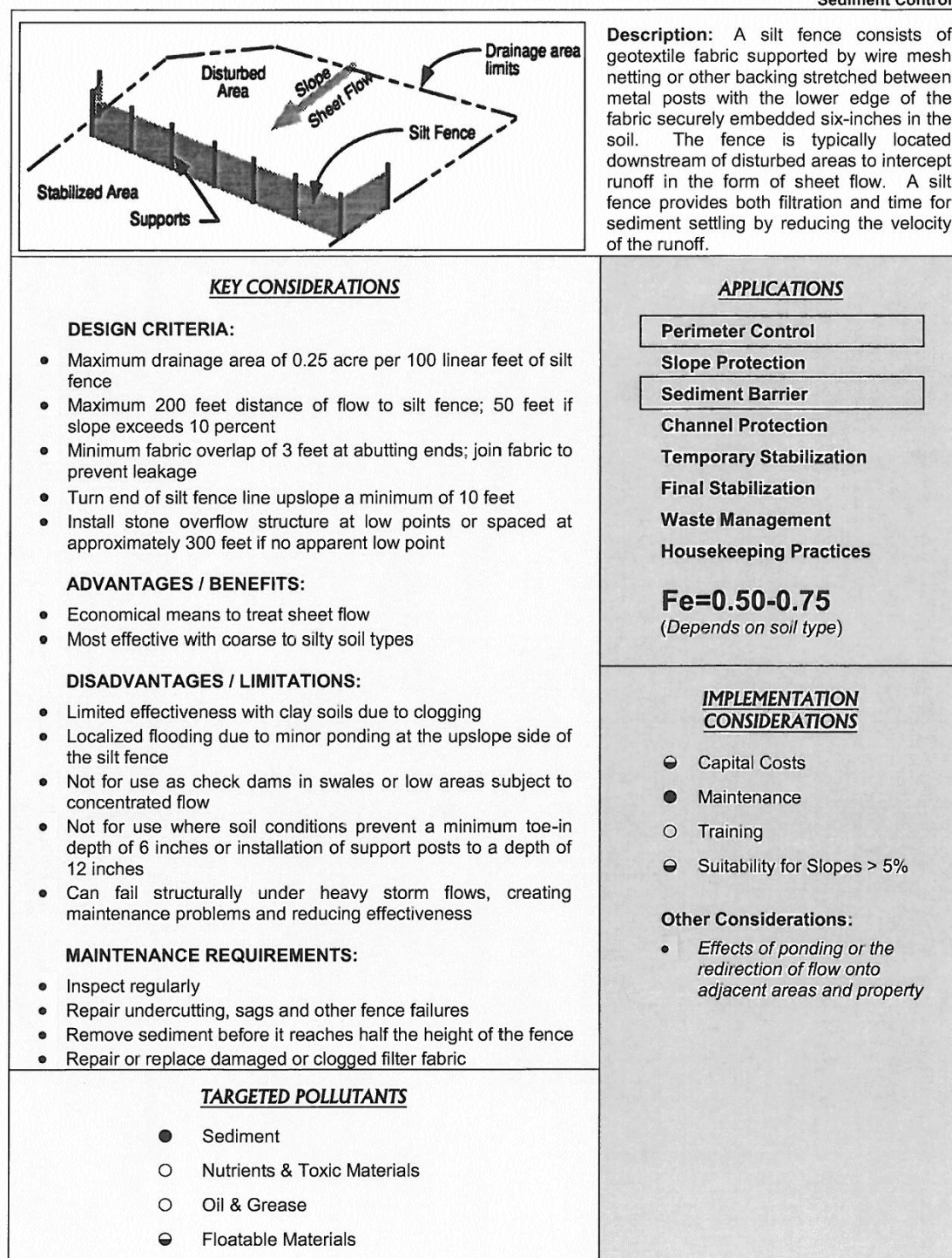
CC-12

3.4 Inlet Protection

Inlet Protection
Revised 04/10

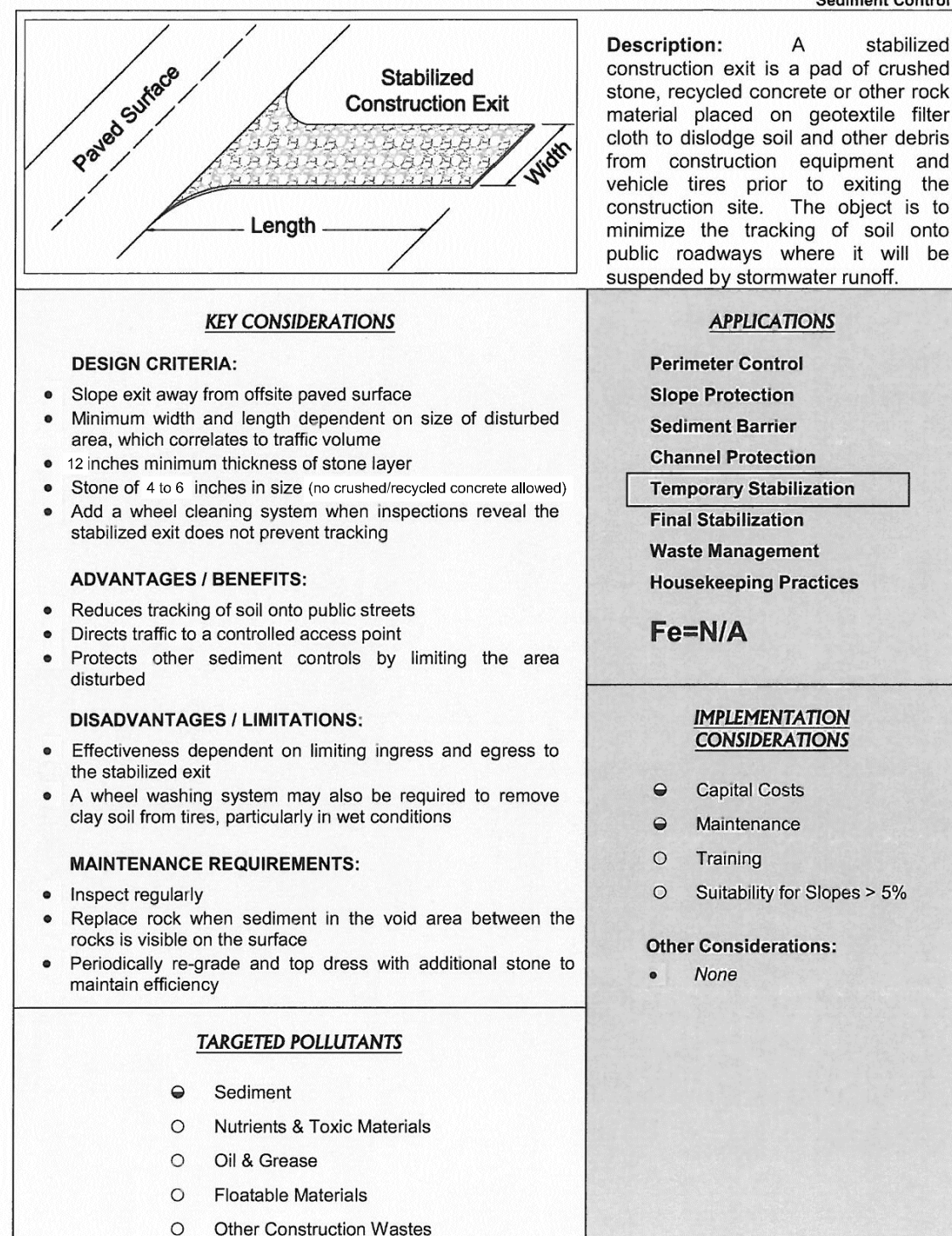
CC-81

3.10 Silt Fence

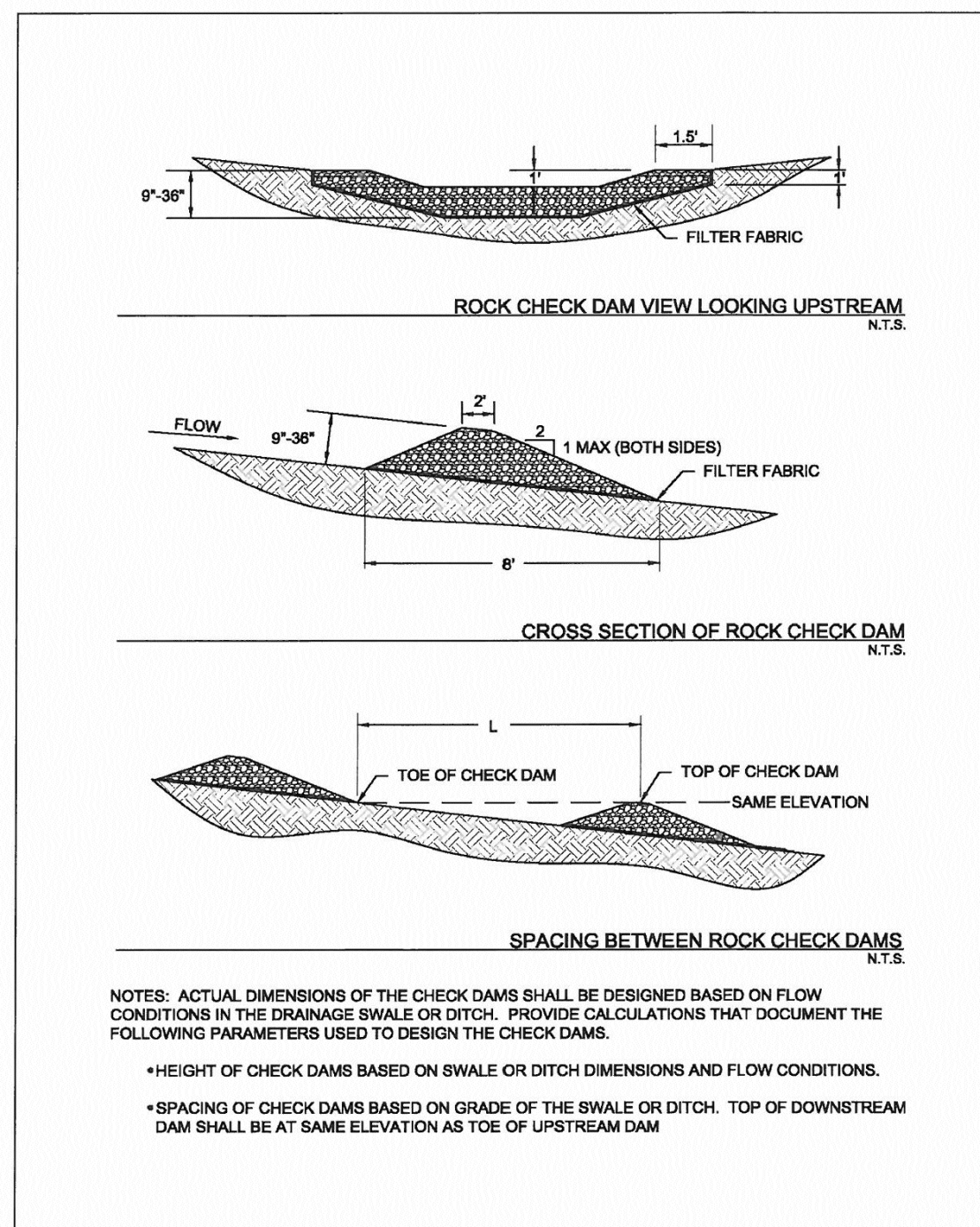
Silt Fence
Revised 04/10

CC-143

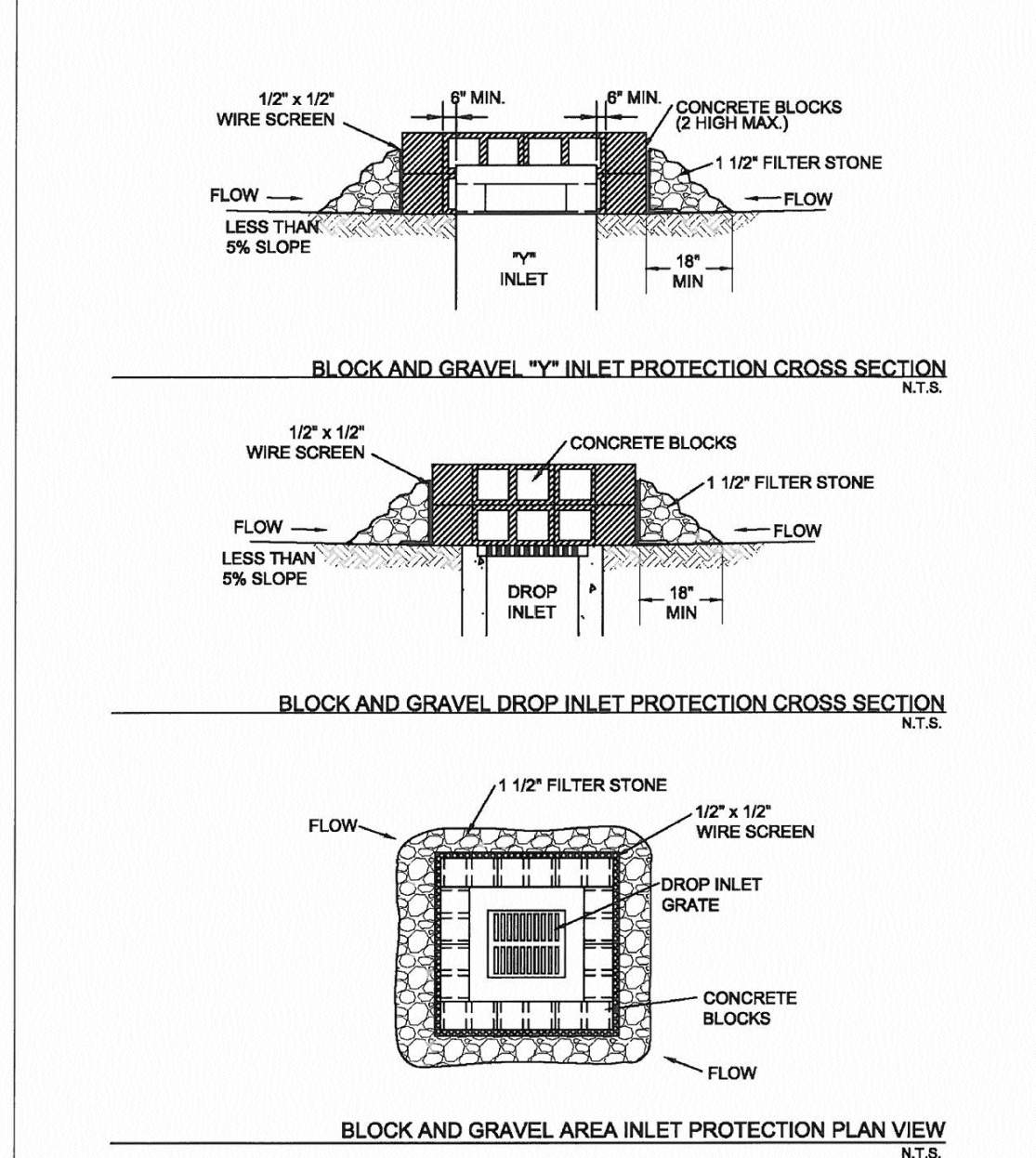
3.11 Stabilized Construction Exit

Stabilized Construction Exit
Revised 04/10

CC-148

Figure 2.1 Schematics of Rock Check Dams
(Source: Modified from Stormwater Management Manual for Western Washington)Check Dam
Revised 04/10

CC-16

Figure 3.12 Schematics of Block and Gravel Area Inlet Protection
(Source: Modified from City of Plano BMP SP-4)Inlet Protection
Revised 04/10

CC-94

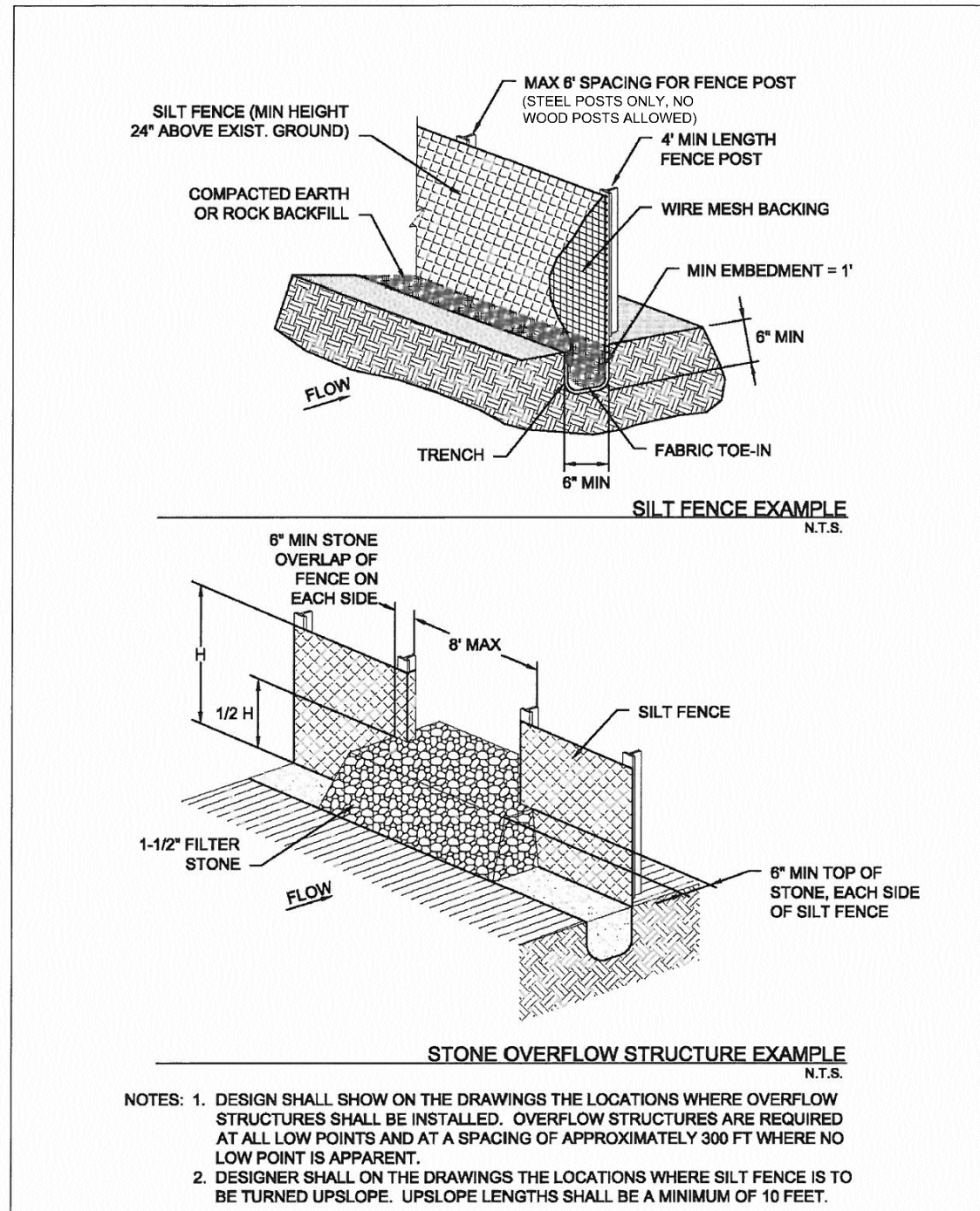
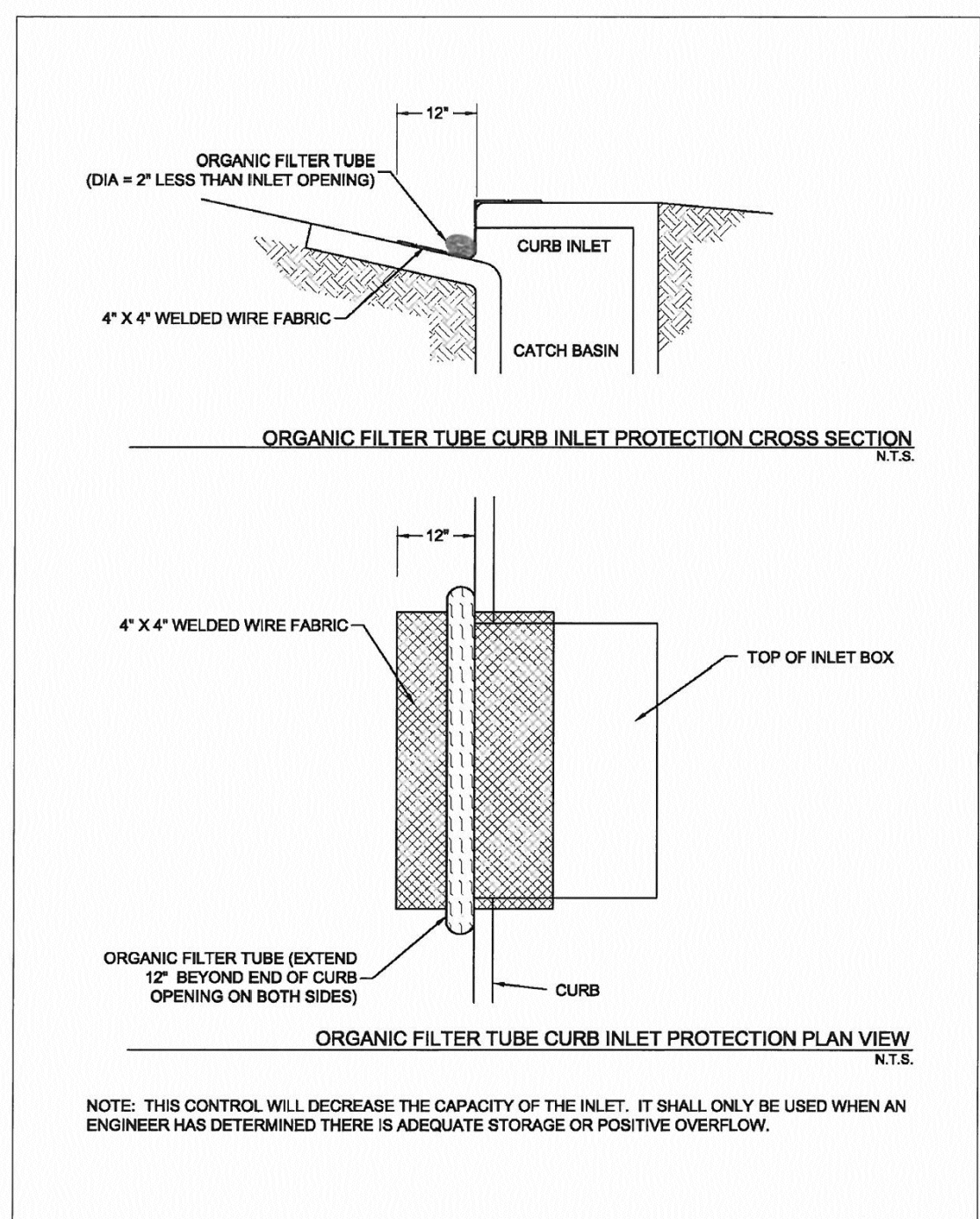


Figure 3.28 Schematics of Silt Fence

Silt Fence
Revised 04/10

CC-147

Figure 3.6 Schematics of Organic Filter Tube Curb Inlet Protection
(Source: Modified from City of Plano BMP SP-4)Inlet Protection
Revised 04/10

CC-88

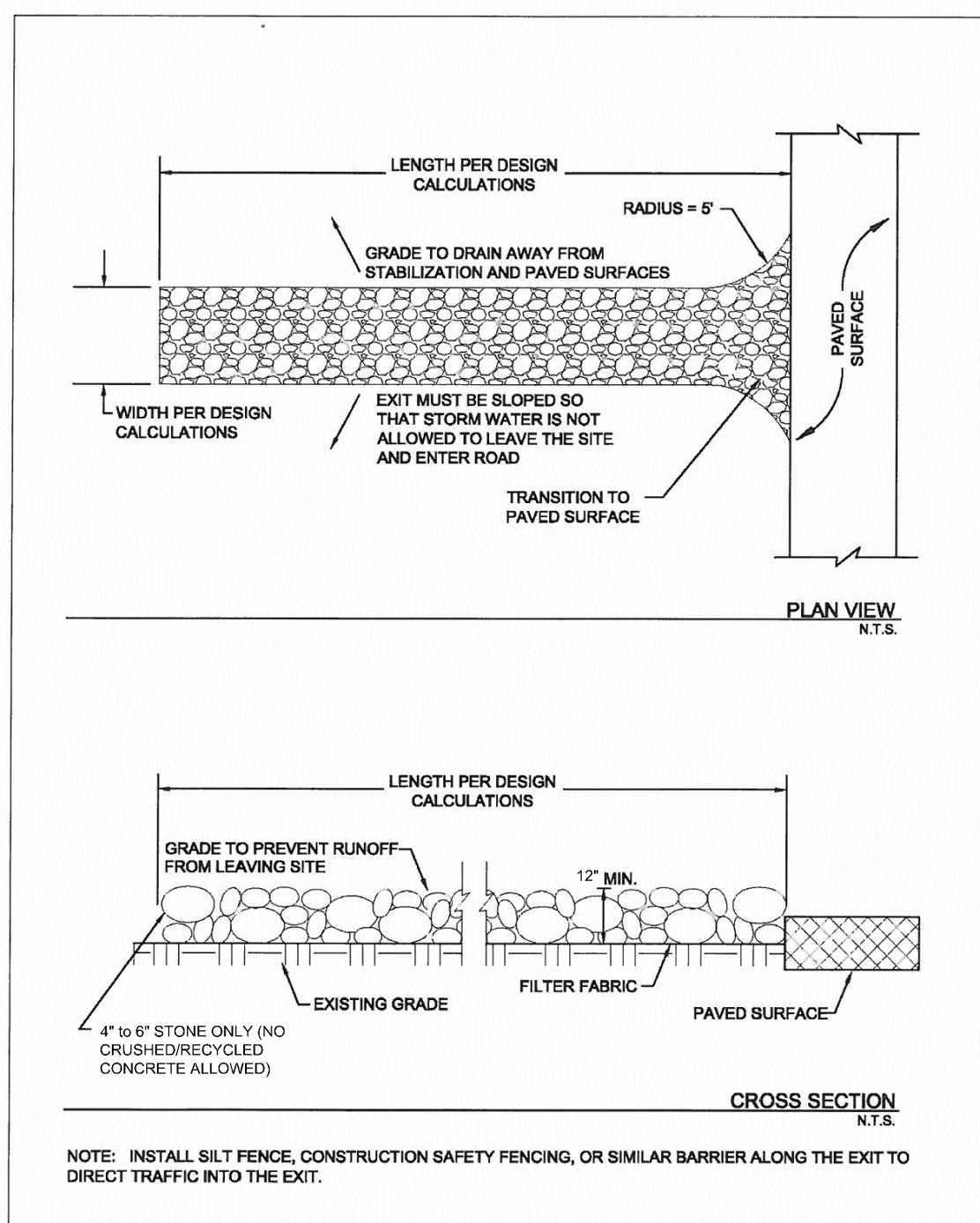


Figure 3.29 Schematics of Stabilized Construction Exit

Stabilized Construction Exit
Revised 04/10

CC-151

RECORD DRAWING

THIS RECORD DRAWING TO THE BEST OF OUR KNOWLEDGED BURGESS AND NIPLE, INC. 3 SUGAR CREEK CENTER BOULEVARD, SUITE 610 SUGAR LAND, TEXAS 77478, HEREBY STATES THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

THOMAS A. LUNZMAN P.E.

02/08/2021

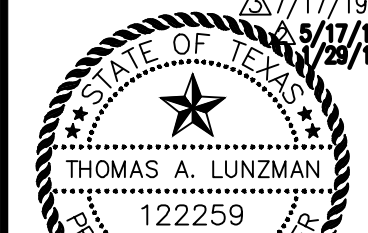
DATE

BENCHMARK
SIT 180

SITE BOUNDARY CROSS CUT ON TOP OF CURB AT THE NORTHEAST CORNER OF THE DISTRICT BUILDING 95° SOUTH-WESTERLY FROM THE CENTER OF JASTIN ROAD TO & 347° SOUTH-WESTERLY FROM THE CENTER OF JASTIN ROAD TO
N: 7023100.073 E: 2596900.421 ELEV: = 983.32
SITE BOUNDARY CROSS CUT IN SIDEWALK 41° SOUTH-WESTERLY FROM THE CENTER OF TOWNHEAD BLVD. & 89° NORTH-WESTERLY FROM THE CENTER OF TOWNHEAD BLVD. & 89°
N: 7022744.440 E: 2597337.260 ELEV: = 985.72

NCTCOG EROSION
CONTROL DETAILSALDERS AT ROCKWALL
SENIOR INDEPENDENT LIVING
COMMUNITY

NO.	REV	DATE	BY	CHK
1	1	02/21/19	TAL	TAL
2	2	05/17/19	TAL	TAL
3	3	07/17/19	KIM	TAL
4	4			
5	5			
6	6			
7	7			
8	8			
9	9			
10	10			



JOB NUMBER:	56211
DESIGNED BY:	TAL
DRAWN BY:	NRM/TAL
APPROVED BY:	TAL
CHECKED BY:	JTR
DATE:	01/29/2019
SCALE:	NONE
SHEET NUMBER:	OF
C.22	23

