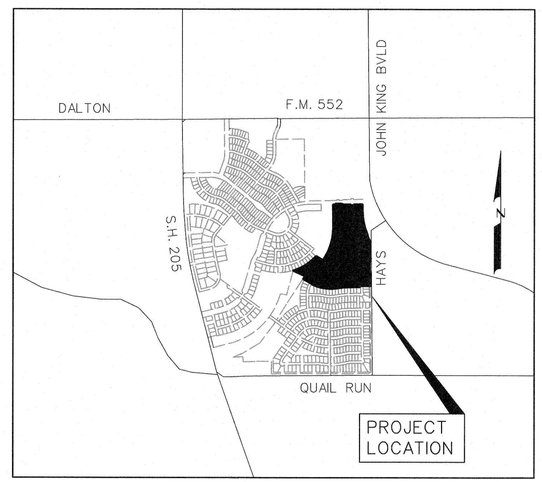
DEVELOPMENT PLANS
FOR
STONE CREEK
PHASE X

CITY OF ROCKWALL, TEXAS



LOCATION MAP

PREPARED FOR

STONE CREEK PHASE 10, LTD.

8214 WESTCHESTER DRIVE, SUITE 710, DALLAS, TEXAS 75225

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STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

CORWIN ENGINEERING, INC. — CONSULTING ENGINEERS

200 W. BELMONT, SUITE E — TBPE FIRM #5951 — ALLEN, TEXAS 75013

BENCHMARK:

CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET
AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND
HARVARD DR.
ELEV.- 525.31

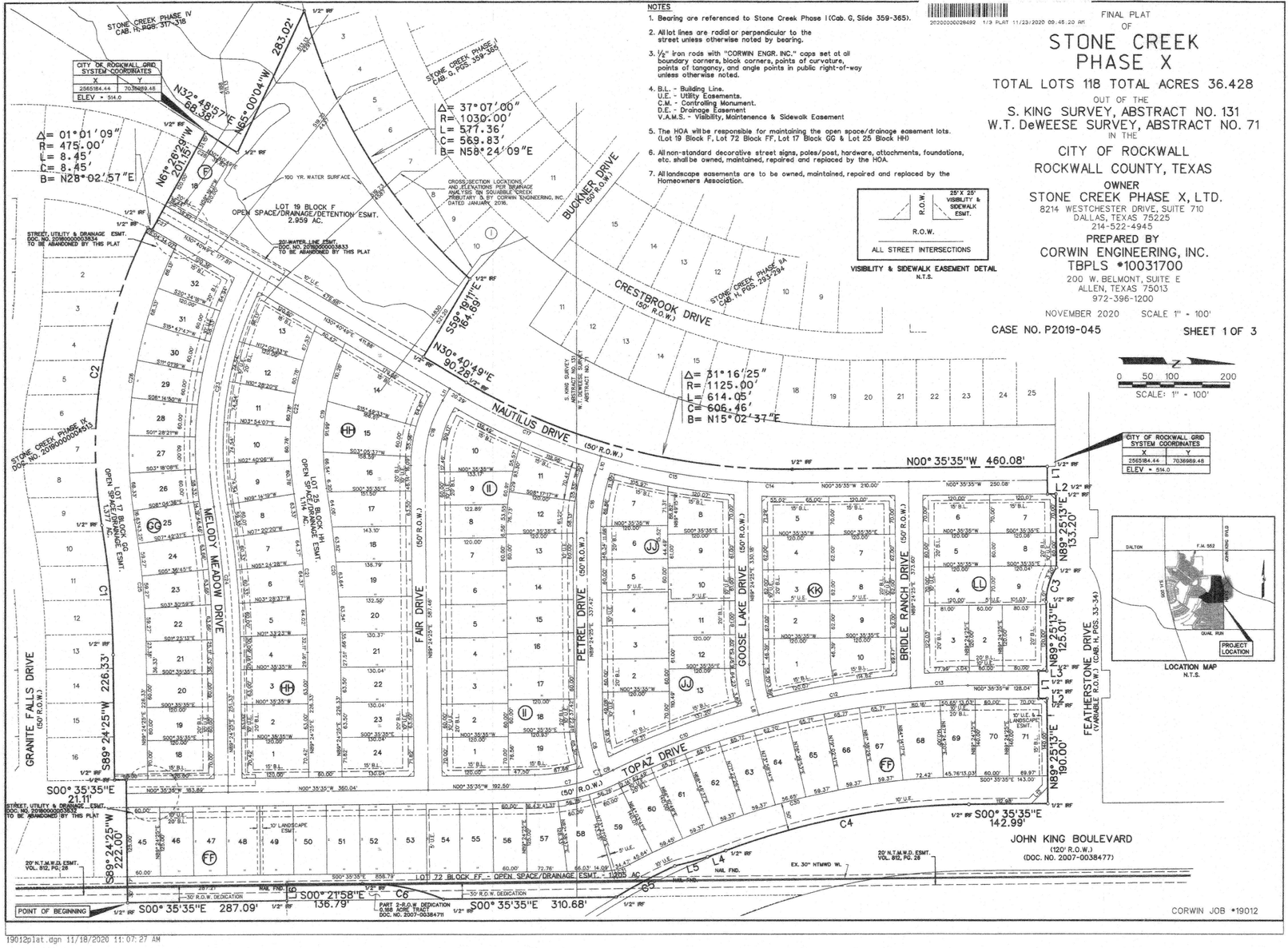
NOTE:

CITY OF ROCKWALL STANDARDS
AND NCTCOG 4th ADDITION STANDARDS
SHALL BE USED FOR REFERENCE.

NO.	REVISIONS	DATE
3	CITY COMMENTS	8-7-19
2	CITY COMMENTS	7-17-19
1	CITY COMMENTS	6-13-19

APRIL 2019

STONE CREEK PHASE X
19012



NOTES

1. Bearing are referenced to Stone Creek Phase I (Cab. G, Slide 359-365).
2. All lot lines are radial or perpendicular to the street unless otherwise noted by bearing.
3. ½" iron rods with "CORWIN ENGR. INC." caps set at all boundary corners, block corners, points of curvature, points of tangency, and angle points in public right-of-way unless otherwise noted.
4. B.L. - Building Line.
   U.E. - Utility Easements.
   C.M. - Controlling Monument.
   D.E. - Drainage Easement.
   V.A.M.S. - Visibility, Maintenance & Sidewalk Easement
5. The HOA will be responsible for maintaining the open space/drainage easement lots. (Lot 19 Block F, Lot 72 Block FF, Lot 17 Block GG & Lot 25 Block HH)
6. All non-standard decorative street signs, poles/post, hardware, attachments, foundations, etc. shall be owned, maintained, repaired and replaced by the HOA.
7. All landscape easements are to be owned, maintained, repaired and replaced by the Homeowner's Association.

VISIBILITY & SIDEWALK EASEMENT DETAIL
N.T.S.

FINAL PLAT
OF

STONE CREEK PHASE X

TOTAL LOTS 118 TOTAL ACRES 36.428

OUT OF THE
S. KING SURVEY, ABSTRACT NO. 131
W.T. DeWEESE SURVEY, ABSTRACT NO. 71
IN THE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OWNER
STONE CREEK PHASE X, LTD.
8214 WESTCHESTER DRIVE, SUITE 710
DALLAS, TEXAS 75225
214-522-4945

PREPARED BY
CORWIN ENGINEERING, INC.
TBPLS *10031700
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013
972-396-1200

NOVEMBER 2020 SCALE 1" - 100'

CASE NO. P2019-045 SHEET 1 OF 3

0 50 100 200
SCALE: 1" - 100'

CITY OF ROCKWALL GRID SYSTEM COORDINATES
X Y
2565184.44 7036969.48
ELEV = 514.0

LOCATION MAP
N.T.S.

OWNER'S CERTIFICATE

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:
STATE OF TEXAS
COUNTY OF ROCKWALL
We the undersigned owners of the land shown on this plat, and designated herein as the STONE CREEK PHASE X, subdivision 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, water courses, drains, easements and public places thereon shown for the purpose and consideration therein expressed. We further certify that all other parties who have a mortgage or lien interest in the STONE CREEK PHASE X, subdivision have been notified and signed this plat.

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. 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 effected by storm drainage from the development.

6. The detention drainage system is to be maintained, repaired and owend by the subdivision. Property owner shall be responsible for maintaining, repairing, and replacing all systems within the drainage and detention easements.

7. 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.

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; we, our successors and assigns hereby waive any claim, damage, or cause of action that we may have as a result of the dedication of exactions made herein.

Stone Creek Phase X, Ltd.
an Texas limited partnership
By: Stone Creek Phase 10 GP Corporation,
a Texas corporation, its General Partner

John Arnold
Director

STATE OF TEXAS
COUNTY OF DALLAS
Before me, the undersigned authority, on this day personally appeared JOHN ARNOLD, 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 ___ day of November, 2020.

Notary Public in and for the State of Texas

My Commission Expires: 5/15/2024

HUMBERTO JOHNSON
Notary ID #132479174
My Commission Expires
May 15, 2024

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.

LINE TABLE

LINE NO.	BEARING	DISTANCE
1.	N 89°25'13" E	50.00'
2.	N 00°35'35" W	15.00'
3.	S 00°35'35" E	15.00'
4.	S 19°17'03" E	34.76'
5.	S 15°03'48" E	61.67'
6.	N 89°38'02" E	30.11'
7.	N 67°57'38" E	10.99'
8.	N 74°35'09" E	28.68'
9.	S 80°07'39" W	37.73'
10.	N 73°13'30" W	36.04'
11.	N 59°19'11" W	25.00'
12.	S 45°35'11" E	42.44'

CURVE TABLE

CURVE NO.	DELTA	RADIUS	LENGTH	CHORD	BEARING
1.	08°38'43"	1560.00'	235.39'	235.16'	S85°05'03"W
2.	36°03'38"	880.00'	553.85'	544.75'	N81°12'30"W
3.	34°10'49"	110.00'	65.62'	64.65'	S73°29'23"E
4.	20°22'32"	1260.00'	448.08'	445.72'	S10°46'51"E
5.	05°21'14"	1271.00'	118.77'	118.72'	S27°58'51"E
6.	22°31'28"	380.00'	149.39'	148.43'	S10°53'46"W
7.	21°26'47"	325.00'	121.65'	120.94'	N11°18'59"W
8.	21°26'47"	250.00'	93.58'	93.03'	S78°41'01"W
9.	04°14'57"	325.00'	24.10'	24.10'	N24°09'51"W
10.	10°52'59"	1475.00'	279.95'	279.53'	N20°51'05"W
11.	14°49'15"	250.00'	64.67'	64.49'	S81°59'47"W
12.	10°49'06"	1475.00'	278.50'	278.09'	N10°00'18"W
13.	04°00'09"	1475.00'	103.04'	103.02'	N02°35'40"W
14.	03°59'21"	1150.00'	80.07'	80.05'	N01°24'05"E
15.	13°22'44"	1150.00'	268.53'	267.92'	N10°05'08"E
16.	17°22'05"	350.00'	106.10'	105.69'	N81°54'33"W
17.	13°54'19"	1150.00'	279.10'	278.41'	S23°43'40"W
18.	31°16'25"	225.00'	122.81'	121.29'	N74°57'23"W
19.	32°46'07"	470.00'	268.80'	265.15'	S82°51'15"E
20.	08°38'43"	1970.00'	297.25'	296.97'	N85°05'03"E
21.	08°38'43"	1910.00'	288.20'	287.93'	S85°05'03"W
22.	33°34'54"	530.00'	310.64'	306.21'	N82°26'52"W
23.	37°04'26"	675.00'	436.77'	429.19'	N80°42'05"W
24.	08°38'43"	1765.00'	266.32'	266.07'	S85°05'03"W
25.	08°38'43"	1620.00'	244.44'	244.21'	S85°05'03"W
26.	35°49'40"	820.00'	512.76'	504.44'	N81°19'29"W
27.	02°07'18"	500.00'	18.52'	18.51'	S29°37'10"W
28.	02°07'18"	645.00'	23.88'	23.88'	N29°37'10"E
29.	19°40'49"	495.00'	170.03'	169.19'	N80°45'11"W

Planning & Zoning Commission Date 11/10/20

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 19 day of December, 2020.A.

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

WITNESS OUR HANDS, this 18th day of November, 2020.

Mayor, City of Rockwall — City Secretary — City Engineer

CITY OF ROCKWALL, TEXAS
SEAL

FINAL PLAT
OF

STONE CREEK PHASE X

TOTAL LOTS 118 TOTAL ACRES 36.428

OUT OF THE
S. KING SURVEY, ABSTRACT NO. 131
W.T. DeWEESE SURVEY, ABSTRACT NO. 71
IN THE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OWNER
STONE CREEK PHASE X, LTD.
8214 WESTCHESTER DRIVE, SUITE 710
DALLAS, TEXAS 75225
214-522-4945

PREPARED BY
CORWIN ENGINEERING, INC.
TBPLS *10031700
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013
972-396-1200

JANUARY 2020

CASE NO. P2019-045 SHEET 2 OF 3

19012plat.dgn 11/3/2020 9:27:01 AM

LEGAL DESCRIPTION

BEING, a tract of land situated in the W.T. DeWeese Survey, Abstract No. 71 and the S. King Survey, Abstract No. 131 in the City of Rockwall, Rockwall County, Texas, being part of a tract of land as described in Stone Creek Balance LTD., Clerks File No. 2007-00375394 and Stone Creek SF, LTD., Clerks File No. 2007-00375398 in said Deed Records, and being more particularly described as follows:

BEGINNING, at a 1/2 inch iron rod found at the northeast corner of Stone Creek Phase IX, an addition to the City of Rockwall, as described in Doc No. 20190000004513 in the Plat Records of Rockwall County, Texas, and being in Hays Road;

THENCE, South 89° 24'25" West, along the north line of said Stone Creek Phase IX, for a distance of 222.00 feet, to a 1/2 inch iron rod found;

THENCE, South 00° 35'35" East, continuing along said north line, for a distance of 21.11 feet, to a 1/2 inch iron rod found;

THENCE, South 89° 24'25" West, continuing along said north line, for a distance of 226.33 feet, to a 1/2 inch iron rod found at the point of curvature of a curve to the left, having a radius of 1560.00 feet, a central angle of 08° 38'43";

THENCE, continuing along said north line and with said curve to the left for an arc distance of 235.39 feet (Chord Bearing South 85° 05'03" West - 235.16 feet), to a 1/2 inch iron rod found at the point of reverse curvature of a curve to the right, having a radius of 880.00 feet, a central angle of 36° 03'38";

THENCE, continuing along said north line and with said curve to the right for an arc distance of 553.85 feet (Chord Bearing North 81° 12'30" West - 544.75 feet), to a 1/2 inch iron rod found on a non-tangent curve to the right, having a radius of 475.00 feet, a central angle of 01° 01'09";

THENCE, continuing along said north line and with said curve to the right for an arc distance of 8.45 feet (Chord Bearing North 28° 02'57" East - 8.45 feet), to a 1/2 inch iron rod found;

THENCE, North 61° 26'29" West, continuing along said north line, for a distance of 201.15 feet, to a 1/2 inch iron rod found in the east line of Stone Creek Phase IV, an addition to the City of Rockwall, as described in Cab. H, Pgs. 317-318, in said Plat Records and being the northwest corner of said Stone Creek Phase IX;

THENCE, North 32° 48'57" East, along the east line of said Stone Creek Phase IV, for a distance of 68.38 feet, to a 1/2 inch rod found at the most easterly northeast corner of said Stone Creek Phase IV;

THENCE, North 65° 00'04" West, along the north line of said Stone Creek Phase IV, for a distance of 283.02 feet, to a 1/2 inch iron rod found, being in a south line of Stone Creek Phase I, an addition to the City of Rockwall, as described in Cabinet G, Pages 359-365 in said Plat Records, being on a non-tangent curve to the left, having a radius of 1030.00 feet, a central angle of 37° 07'00";

THENCE, departing the north line of said Stone Creek Phase IV and along the south line of said Stone Creek Phase I and with said curve to the left for an arc distance of 577.36 feet (Chord Bearing North 58° 24'09" East - 569.83 feet), to a 1/2 inch iron rod found, being the southeast corner of Lot 10 Block 1out of said Stone Creek Phase I, same being the south line of Stone Creek Phase IIA, an addition to the City of Rockwall, as described in Cabinet H, Pages 293-294 in said Plat Records;

THENCE, South 59° 19'11" East, departing the south line of said Stone Creek Phase I and along the south line of said Stone Creek Phase IIA, for a distance of 164.69 feet, to a 1/2 inch iron rod found being the southwest corner of said Stone Creek Phase IIA;

THENCE, North 30° 40'49" East, along the east line of said Stone Creek Phase IIA, for a distance of 90.28 feet, to a 1/2 inch iron rod found being the point of curvature of a curve to the left, having a radius of 1125.00 feet, a central angle of 31° 16'25";

THENCE, continuing along said east line and with said curve to the left for an arc distance of 614.05 feet (Chord Bearing North 15° 02'37" East 606.46 feet), to a 1/2 inch iron rod found at the point of tangency;

THENCE, North 00° 35'35" West, continuing along said east line, for a distance of 460.08 feet, to a 1/2 inch iron rod found being in the south line of Featherstone Drive, an addition to the City of Rockwall, as described in Cab. H, Pgs. 33-34, in said Plat Records;

THENCE, North 89° 25'13" East, departing said east line and with said south line, for a distance of 50.00 feet, to a 1/2 inch iron rod found;

THENCE, North 00° 35'35" West, continuing along said south line, for a distance of 15.00 feet, to a 1/2 inch iron rod found;

THENCE, North 89° 25'13" East, continuing along said south line, for a distance of 133.20 feet, to a 1/2 inch iron rod found, being on a curve to the left, having a radius of 110.00 feet, a central angle of 34° 10'49";

THENCE, continuing along said south line and with said curve to the left for an arc distance of 65.62 feet (Chord Bearing South 73° 29'23" East - 64.65 feet), to a 1/2 inch iron rod found, being the point of tangency;

THENCE, North 89° 25'13" East, continuing along said south line, for a distance of 125.01 feet, to a 1/2 inch iron rod found;

THENCE, South 00° 35'35" East, continuing along said south line, for a distance of 15.00 feet, to a 1/2 inch iron rod found;

THENCE, North 89° 25'13" East, continuing along said south line, for a distance of 50.00 feet, to a 1/2 inch iron rod found;

THENCE, North 00° 35'35" West, continuing along said south line, for a distance of 15.00 feet, to a 1/2 inch iron rod found;

THENCE, North 89° 25'13" East, continuing along said south line, for a distance of 190.00 feet, to a 1/2 inch iron rod found at the most easterly southeast corner of said Featherstone Drive and being in the west line of John King Boulevard (120' R.O.W.), as described in Doc. No. 2007-0038477 in said Deed Records;

THENCE, South 00° 35'35" East, along the west line of said John King Boulevard, for a distance of 142.99 feet, to a 1/2 inch iron rod found being the point of curvature of a curve to the left, having a radius of 1260.00 feet, a central angle of 20° 22'32";

THENCE, continuing along said west line and with said curve to the left for an arc distance of 448.08 feet (Chord Bearing South 10° 46'51" East - 445.72 feet), to a 1/2 inch iron rod found;

THENCE, South 19° 17'03" East, continuing along said west line, for a distance of 34.76 feet, to a nail found;

THENCE, South 15° 03'48" East, continuing along said west line, for a distance of 61.67 feet, to a nail found on a non-tangent curve to the left, having a radius of 1271.00 feet, a central angle of 05° 21'14";

THENCE, continuing along said west line and with said curve to the left for an arc distance of 118.77 feet (Chord Bearing South 27° 58'51" East - 118.72 feet), to a nail found in the east line of said Stone Creek Balance, being in said Hays Road;

THENCE, South 00° 35'35" East, departing said west line and along the east line of said Stone Creek Balance and with said Hays Road, for a distance of 310.68 feet, to a 1/2 inch iron rod found at the most northerly corner of Part 2, R.O.W. Dedication, as described in Doc. No. 2007-00384711, in said Deed Records being on a curve to the left, having a radius of 380.00 feet, a central angle of 22° 31'28";

THENCE, departing the east line of said Stone Creek Balance Tract and continuing along Hays Road with the west line of said Part 2, tract and along said curve to the left having an arc distance of 149.39 feet (Chord Bearing South 10° 53'46" West 148.43 feet), to a 1/2 inch iron rod found;

THENCE, South 00° 21'58" East, continuing along said lines, for a distance of 136.79 feet, to a nail found at the southwest corner of said Part 2 tract;

THENCE, North 89° 38'02" East, along the south line of said Part 2 tract, for a distance of 30.11 feet, to a 1/2 inch iron rod found at the southeast corner of said Part 2 tract, being in east line of said Stone Creek Balance tract and said Hays Road;

THENCE, South 00° 35'35" East, along the east line of said Stone Creek Balance tract and with Hays Road, for a distance of 287.09 feet, to the POINT OF BEGINNING and containing 36.428 acres of land.

SURVEYOR CERTIFICATE

I, WARREN L. CORWIN, do hereby certify that the plat shown hereon accurately represents the results of an on-the-ground survey made under my direction and supervision and all corners are as shown thereon and there are no encroachments, conflicts, protrusions or visible utilities on the ground except as shown and said plat has been prepared in accordance with the platting rules and regulations of the City Plan Commission of the City of Rockwall, Texas.

DATED the this 2 day of Nov, 2020.

WARREN L. CORWIN
R.P.L.S. No. 4621

STATE OF TEXAS REGISTERED WARREN L. CORWIN 4621 PROFESSIONAL LAND SURVEYOR

THE STATE OF TEXAS
COUNTY OF COLLIN

BEFORE ME, the undersigned, a Notary Public in and for the State of Texas, on this day personally appeared WARREN L. CORWIN, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same in the capacity therein stated and for the purposes and considerations therein expressed.

WITNESS MY HAND AND SEAL OF OFFICE, this the 2 day of NOV., 2020.

MARIA HALLFORD
My Notary ID # 126048221
Expires February 26, 2024

Notary Public in and for the State of Texas

Filed and Recorded
Official Public Records
Shelli Miller, County Clerk
Rockwall County, Texas
11/23/2020 09:45:20 AM
$150.00
20200000028492

FINAL PLAT
OF
STONE CREEK PHASE X

TOTAL LOTS 118 TOTAL ACRES 36.428

OUT OF THE
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JANUARY 2020

CASE NO. P2019-045 SHEET 3 OF 3

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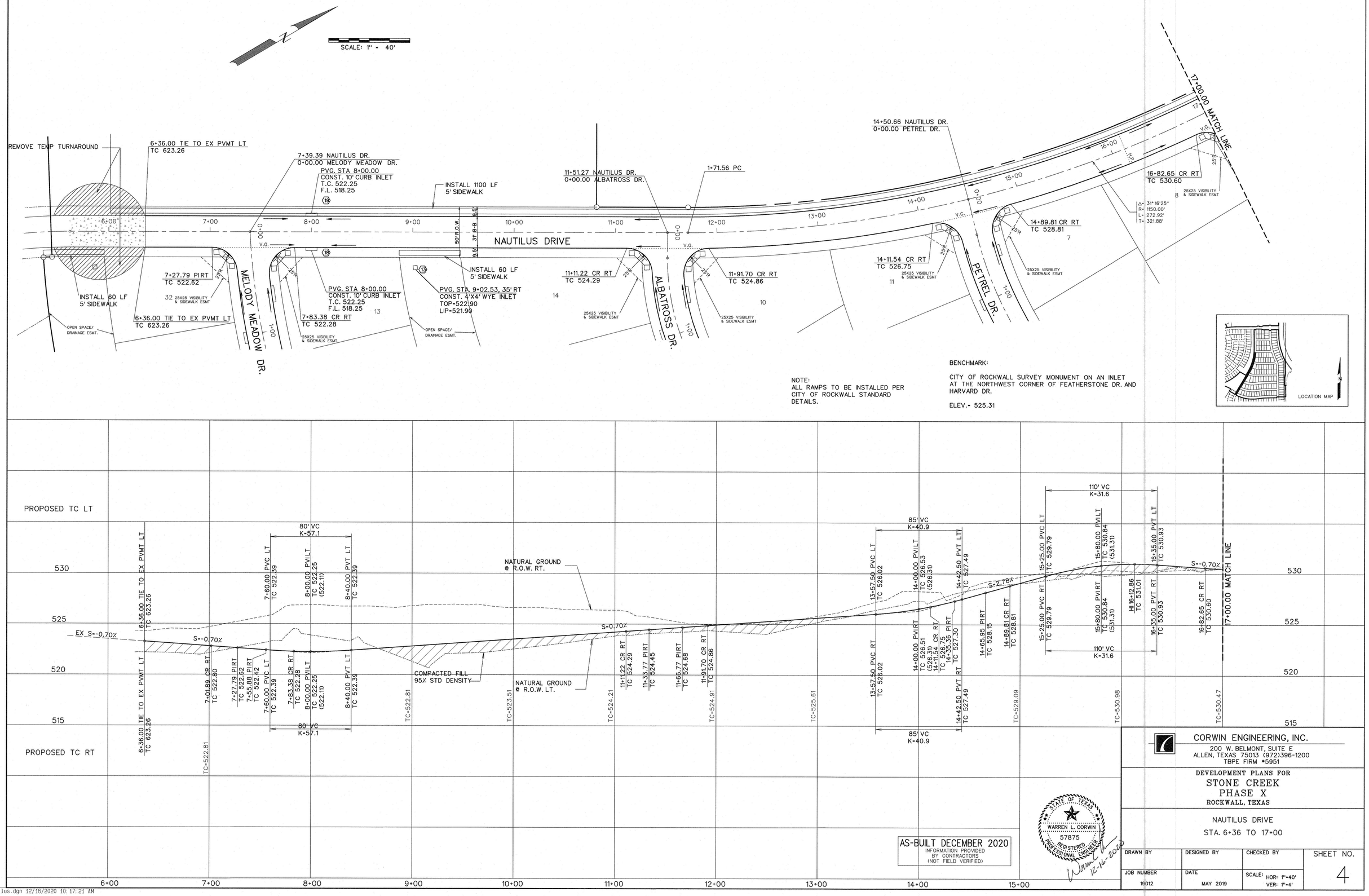


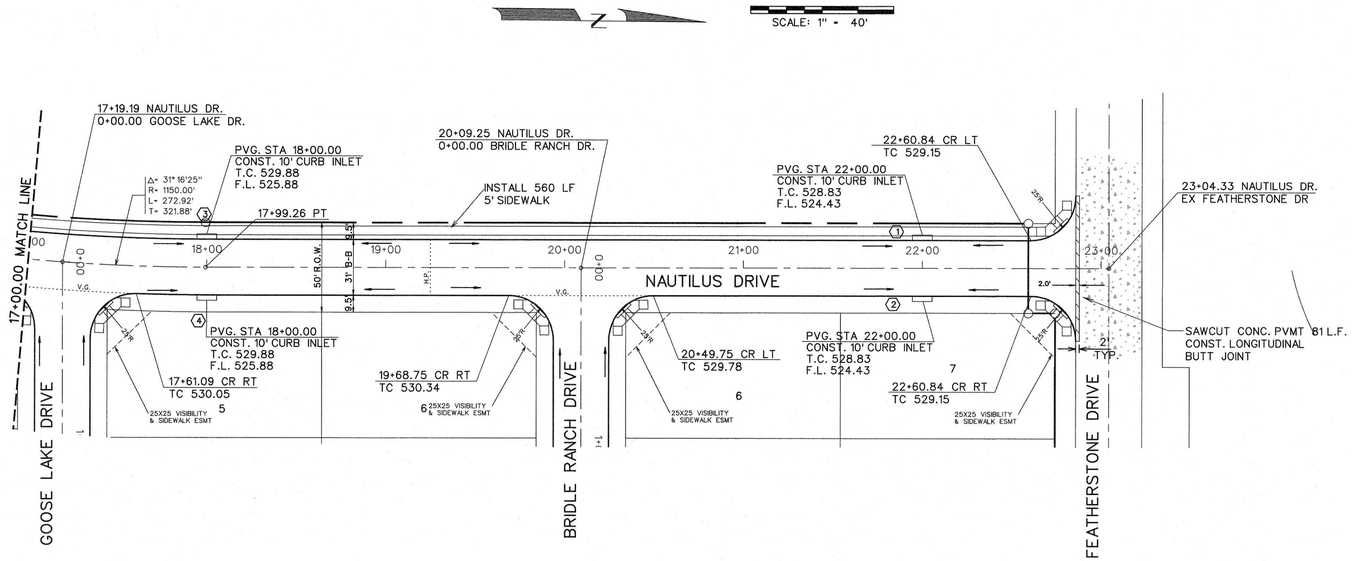
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

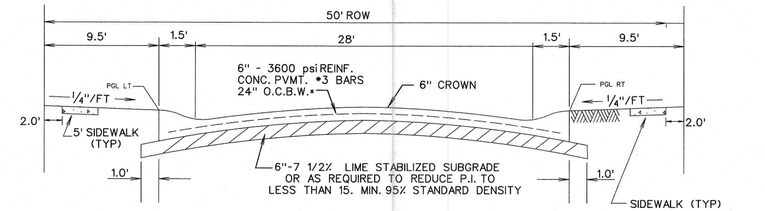
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

NAUTILUS DRIVE
STA. 6+36 TO 17+00

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	4

19012_nautilus.dgn 12/16/2020 10:17:21 AM

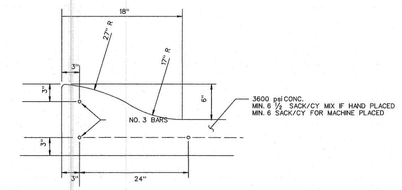




TYPICAL PAVEMENT SECTION - LAYDOWN CURB

N.T.S.

*MIN. 6 1/2 SACK/CY MIX IF HAND PLACED
MIN. 6 SACK/CY FOR MACHINE PLACED



MONOLITHIC CURB

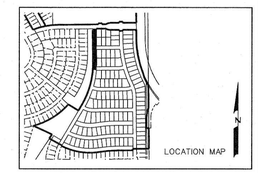
N.T.S.

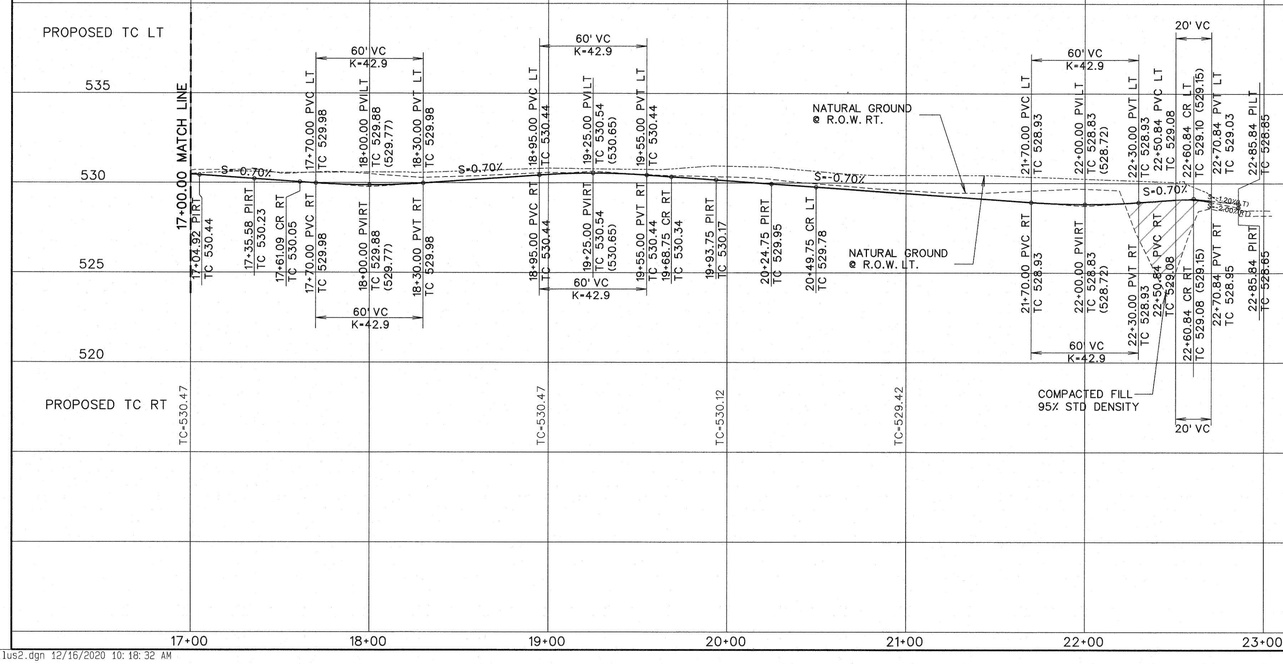
NOTE:
ALL RAMPS TO BE INSTALLED PER
CITY OF ROCKWALL STANDARD DETAIL.

BENCHMARK:

CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET
AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND
HARVARD DR.

ELEV.= 525.31





AS-BUILT DECEMBER 2020
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED
PROFESSIONAL ENGINEER
12-16-2020

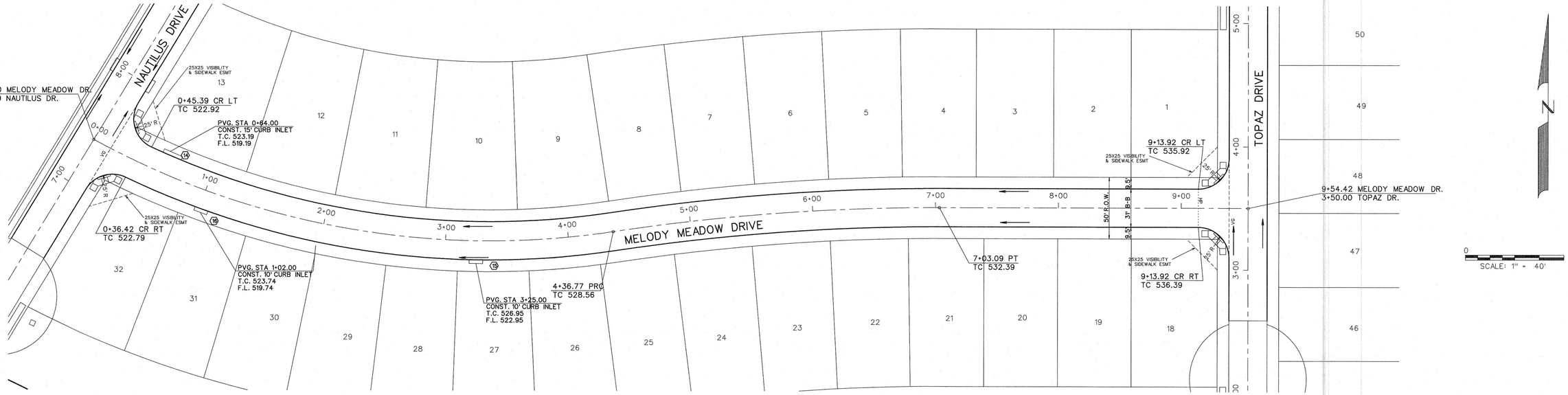
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

NAUTILUS DRIVE
STA. 17+00 TO END

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	5

19012_nautilus2.dgn 12/16/2020 10:18:32 AM

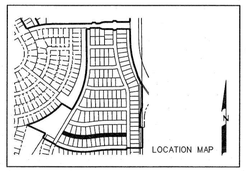


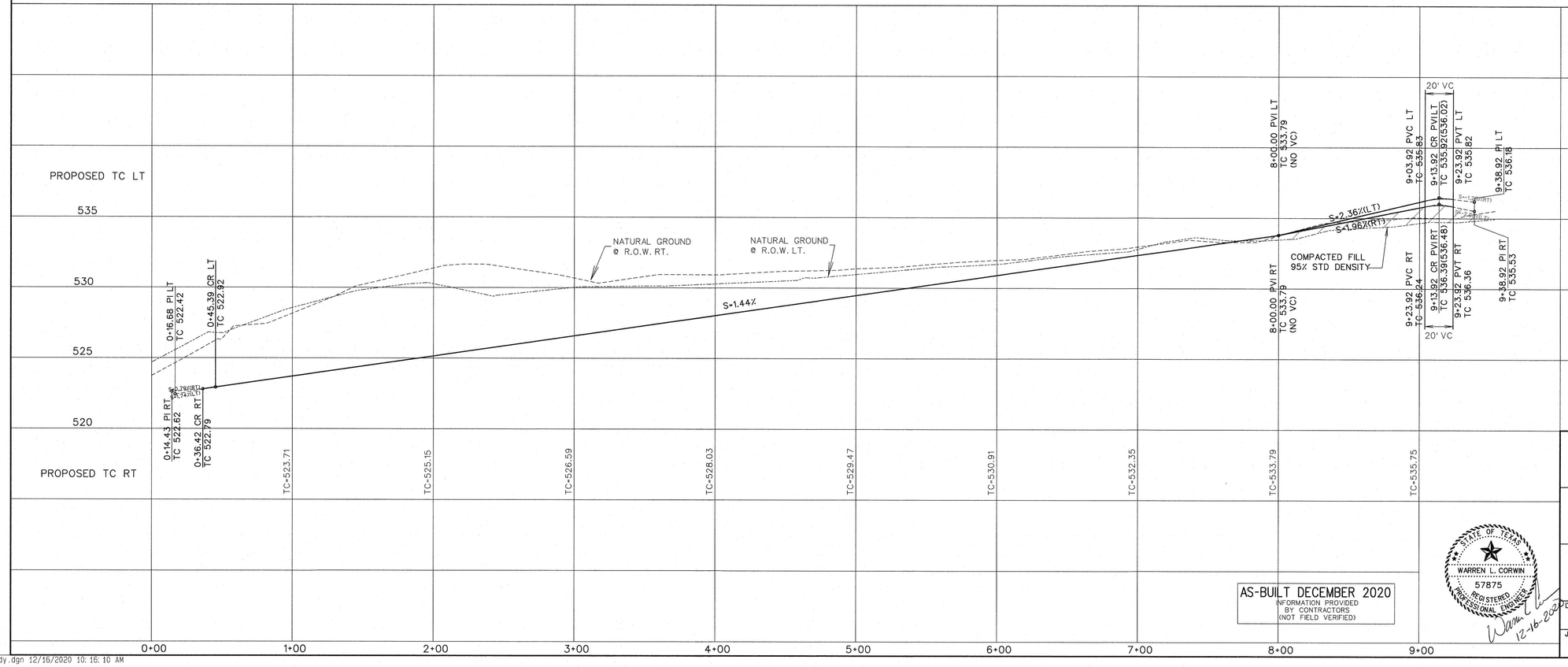
NOTE:
ALL RAMPS TO BE INSTALLED PER CITY OF ROCKWALL STANDARD DETAILS.

BENCHMARK:

" X " Cut on top of curb on east side of John King Bvld. approx. 48' north of the centerline of Pleasant View Dr.

ELEVATION = 505.61





AS-BUILT DECEMBER 2020
(INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

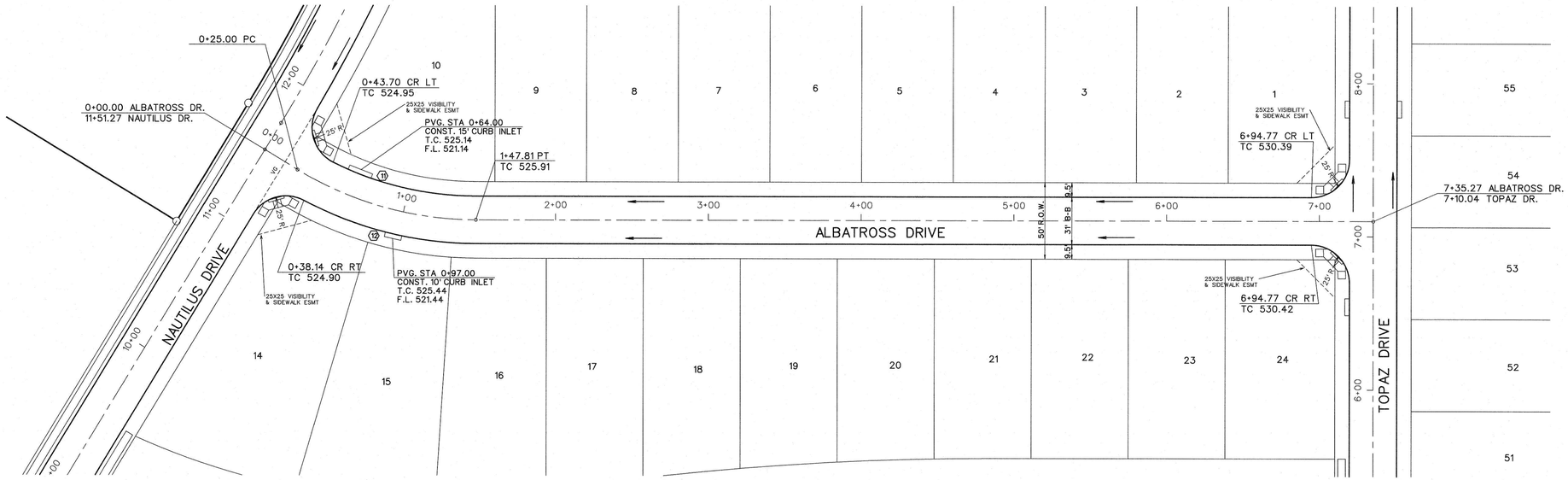
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

MELODY MEADOW DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	6

19012_melody.dgn 12/16/2020 10:16:10 AM



NOTE:
ALL RAMPS TO BE INSTALLED PER CITY OF ROCKWALL STANDARD DETAILS.

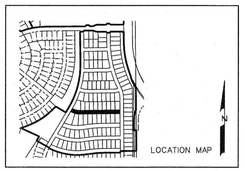
0
SCALE: 1" = 40'

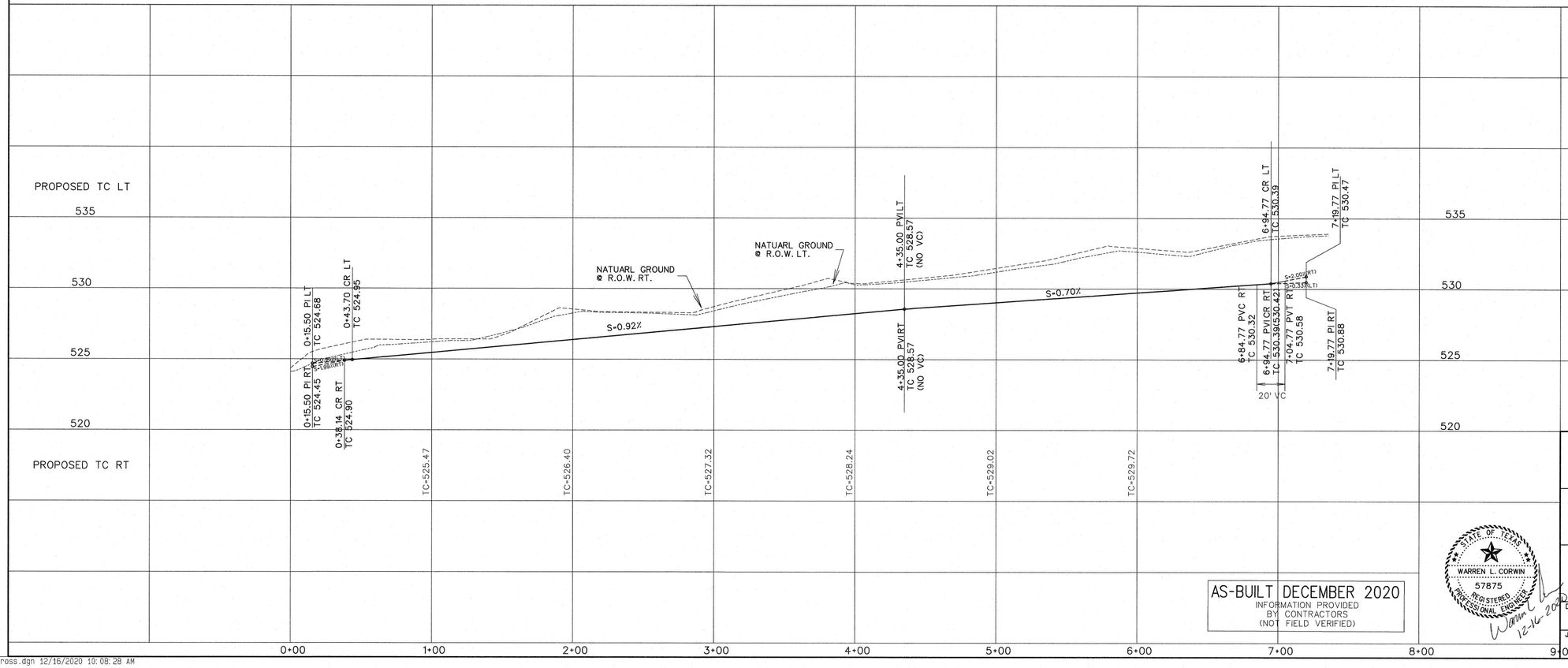
N

BENCHMARK:

" X " Cut on top of curb on east side of John King Blvd. approx. 48' north of the centerline of Pleasant View Dr.

ELEVATION = 505.61





AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

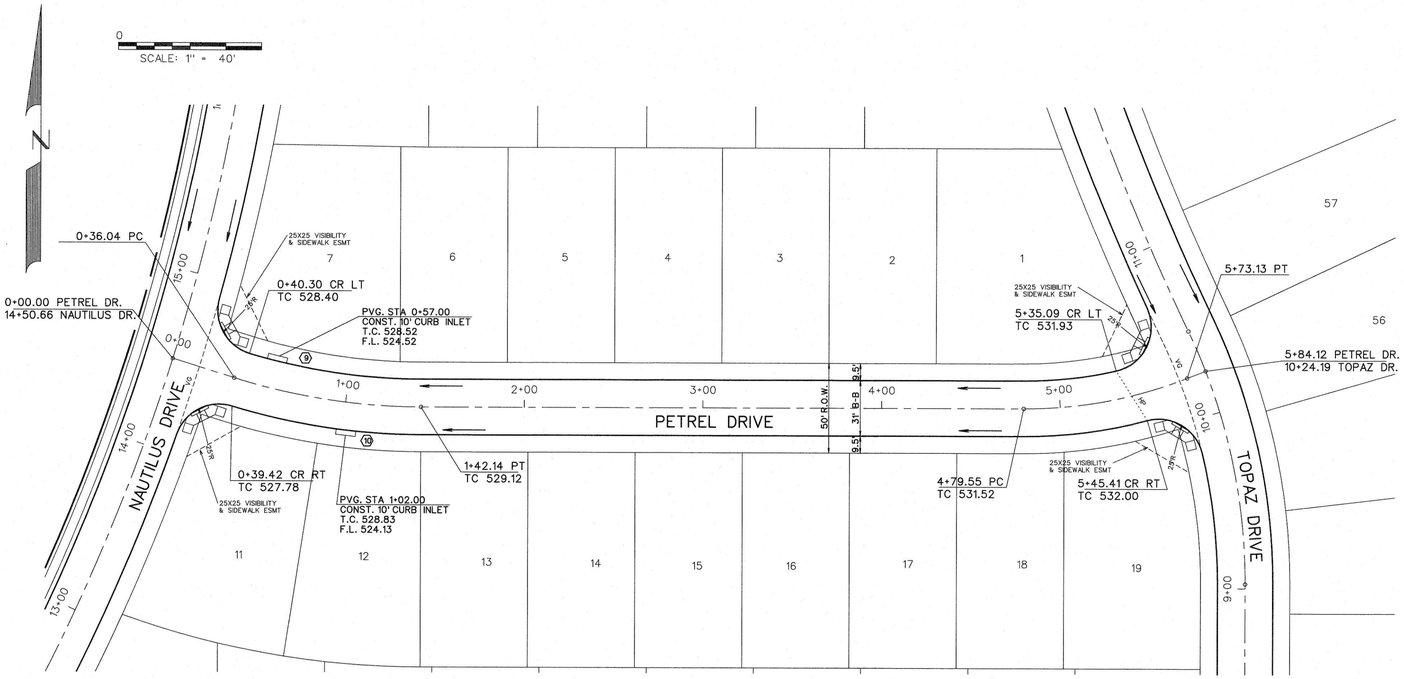
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

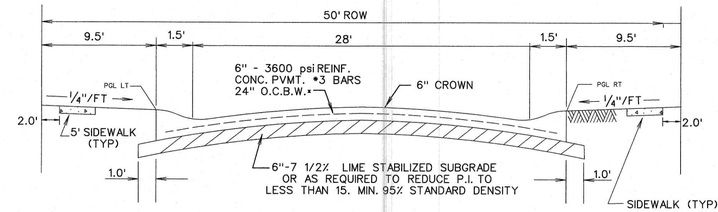
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

ALBATROSS DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	7

19012_albatross.dgn 12/16/2020 10:08:28 AM

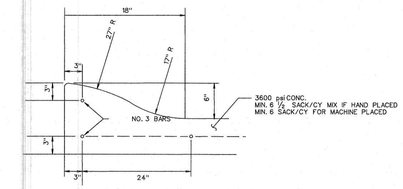




TYPICAL PAVEMENT SECTION - LAYDOWN CURB

N.T.S.

*MIN. 6 1/2 SACK/CY MIX IF HAND PLACED
MIN. 6 SACK/CY FOR MACHINE PLACED



MONOLITHIC CURB

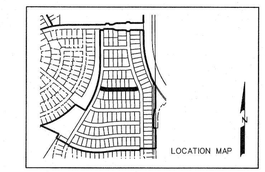
N.T.S.

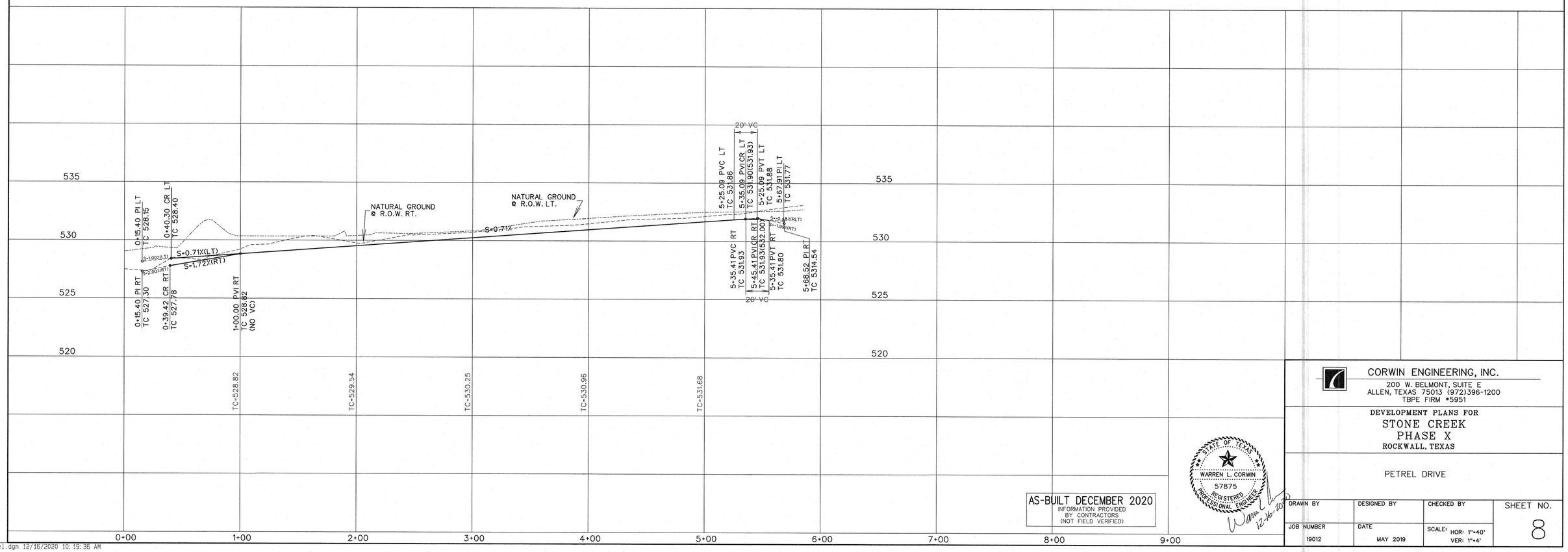
NOTE:
ALL RAMPS TO BE INSTALLED PER CITY OF ROCKWALL STANDARD DETAILS.

BENCHMARK:

" X " Cut on top of curb on east side of John King Blvd. approx. 48' north of the centerline of Pleasant View Dr.

ELEVATION = 505.61





AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-20

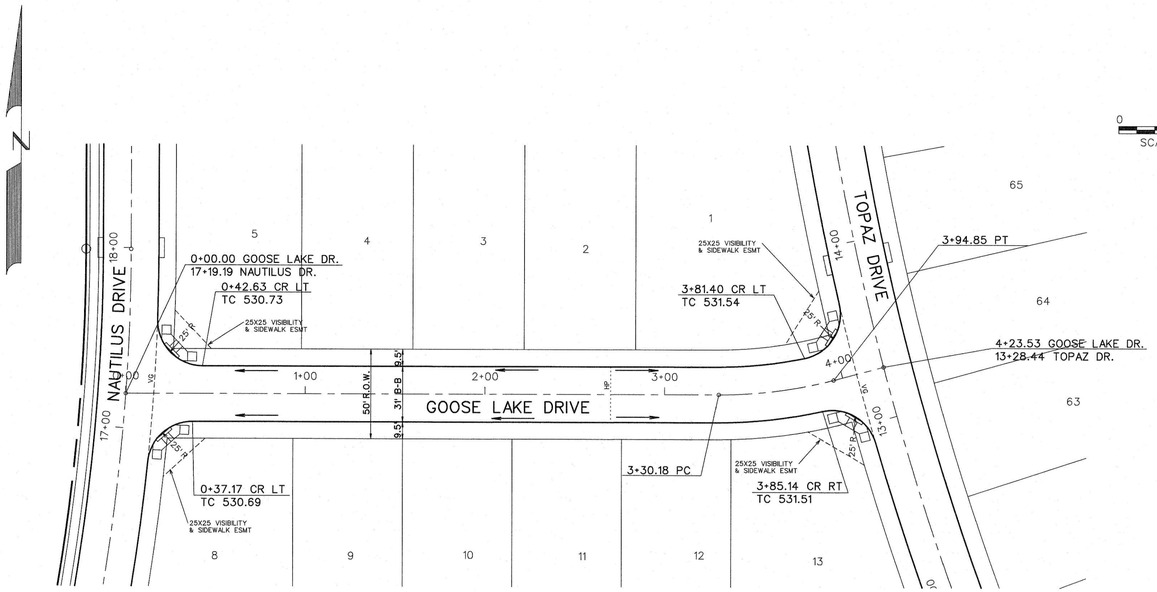
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

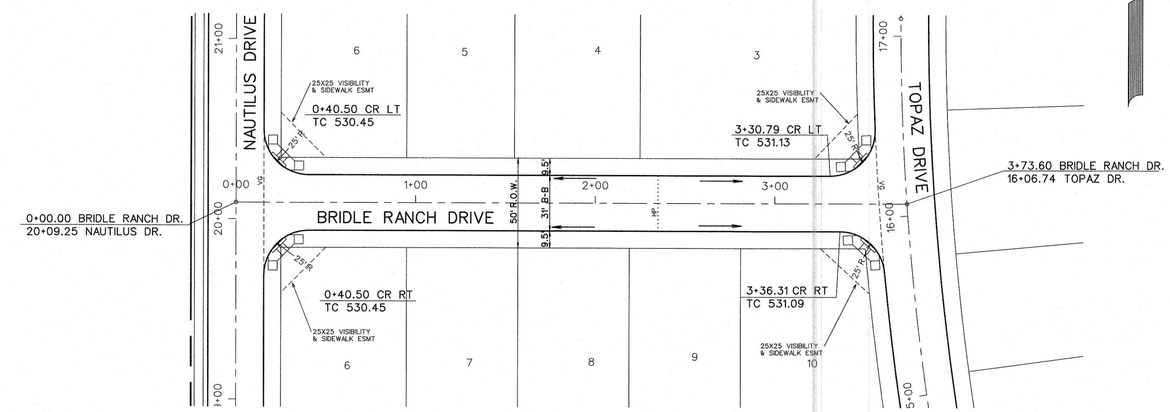
PETREL DRIVE

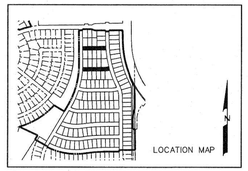
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	8

19012_petrel.dgn 12/16/2020 10:19:36 AM



0
SCALE: 1" = 40'

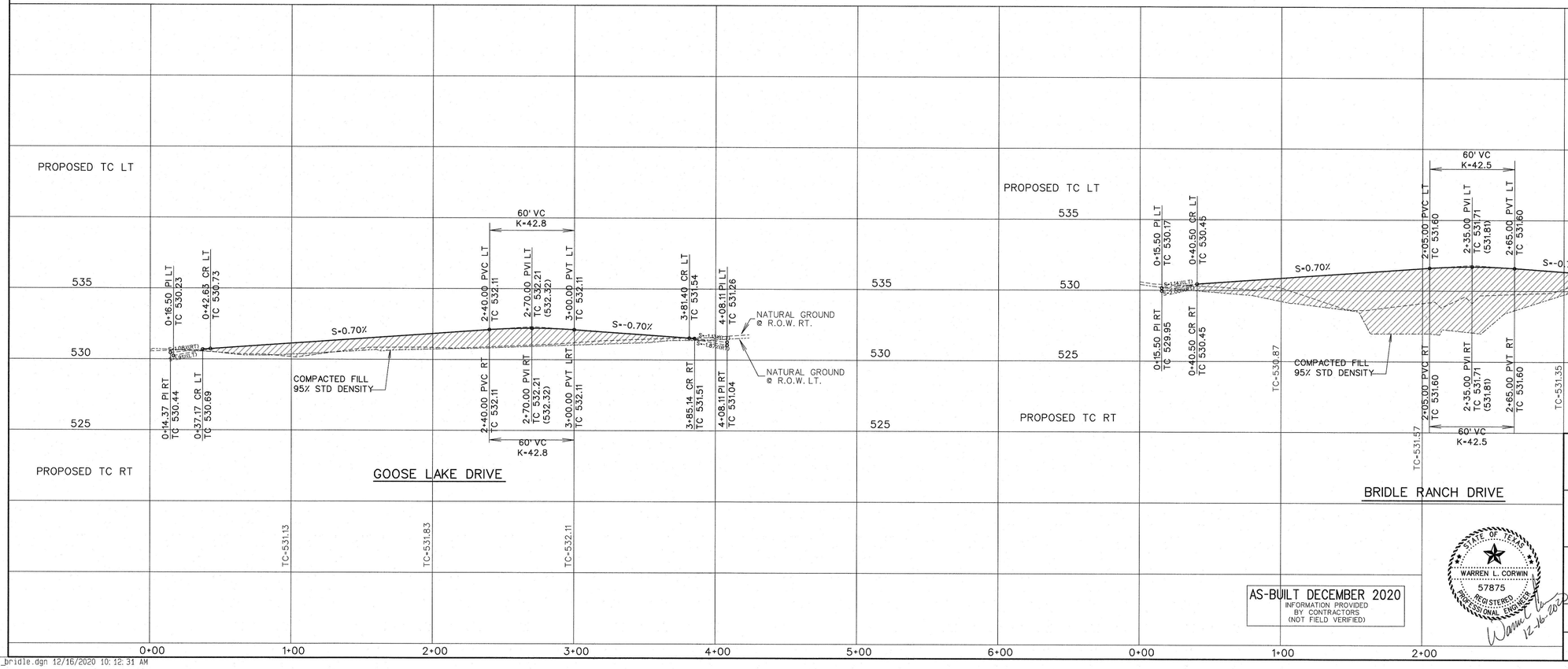




BENCHMARK:

" X " Cut on top of curb on east side of John King Bvld. approx. 48' north of the centerline of Pleasant View Dr.

ELEVATION = 505.61



AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

GOOSE LAKE DRIVE
BRIDLE RANCH DRIVE

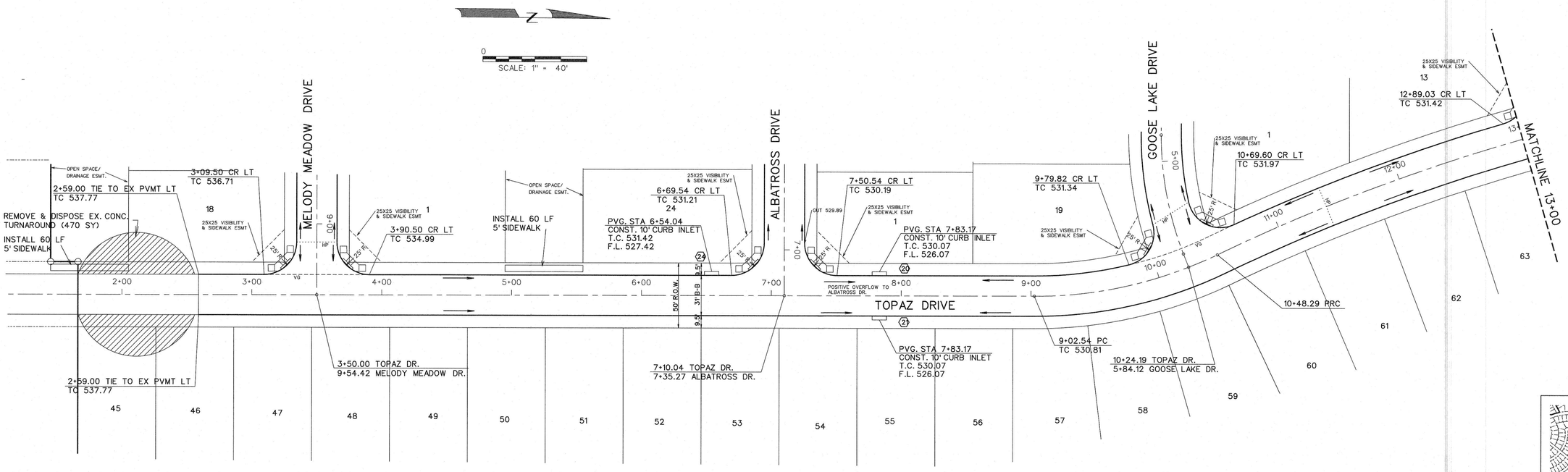
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	9

19012_goose_bridle.dgn 12/16/2020 10:12:31 AM

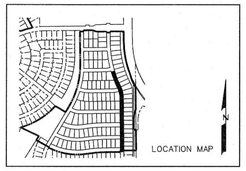
BENCHMARK:

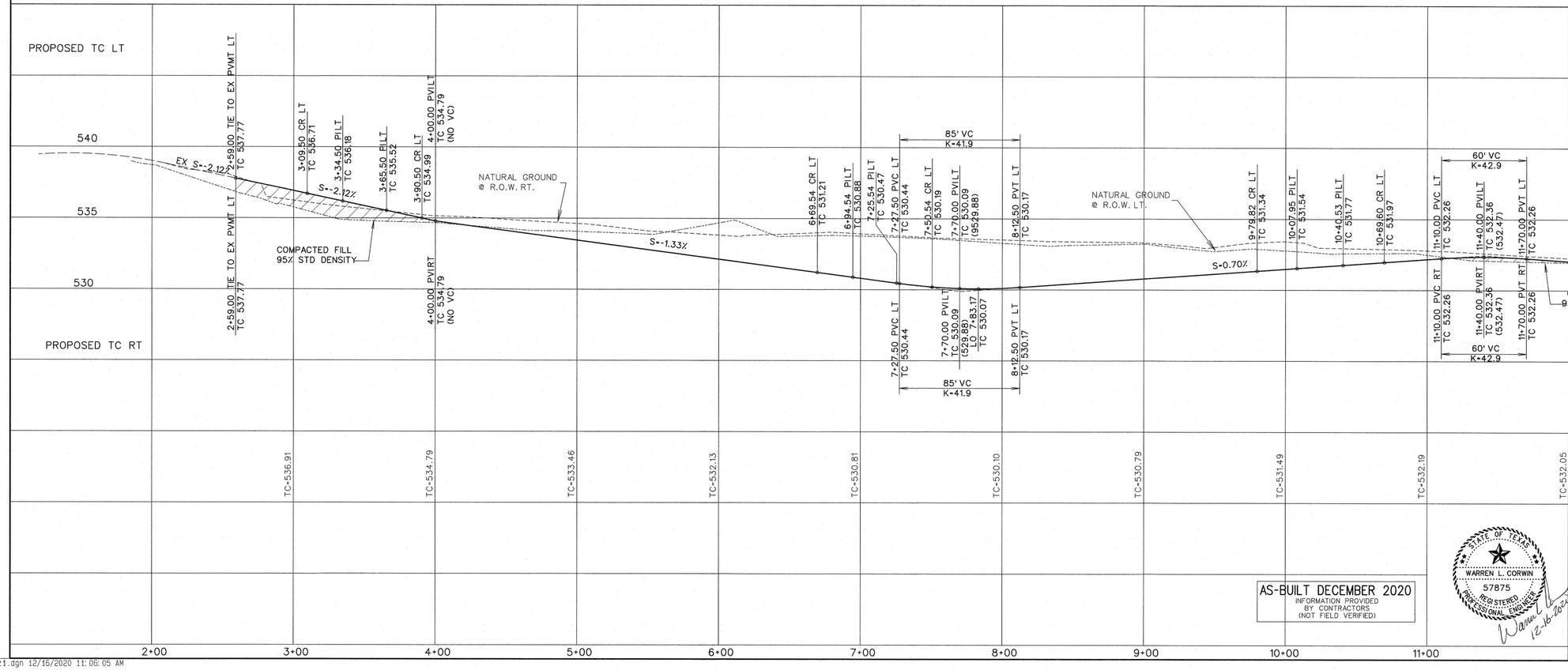
" X " Cut on top of curb on east side of John King Bvld. approx. 48' north of the centerline of Pleasant View Dr.

ELEVATION = 505.61



NOTE:
ALL RAMPS TO BE INSTALLED PER CITY OF ROCKWALL STANDARD DETAILS.





AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

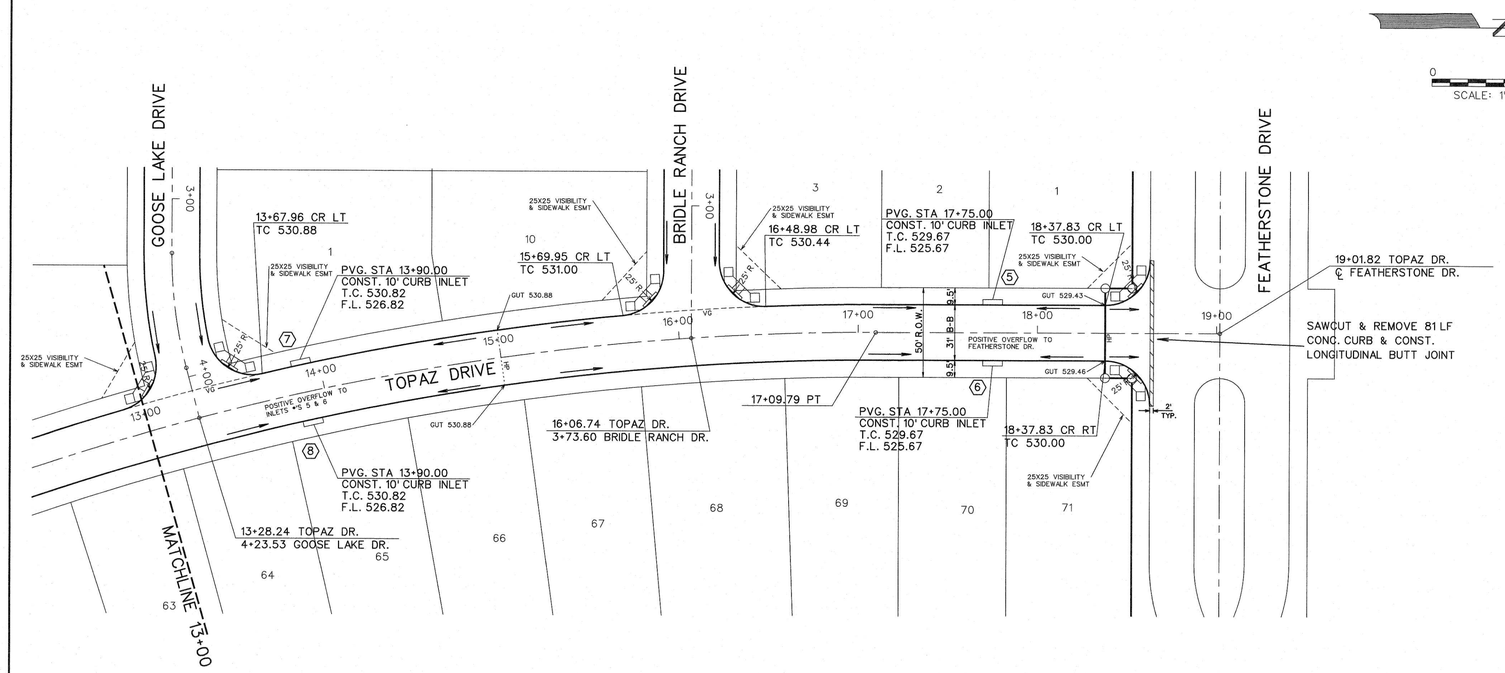
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

TOPAZ DRIVE (STA. 2+59 TO 13+00

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	10

19012_topaz1.dgn 12/16/2020 11:06:05 AM

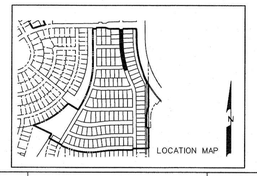


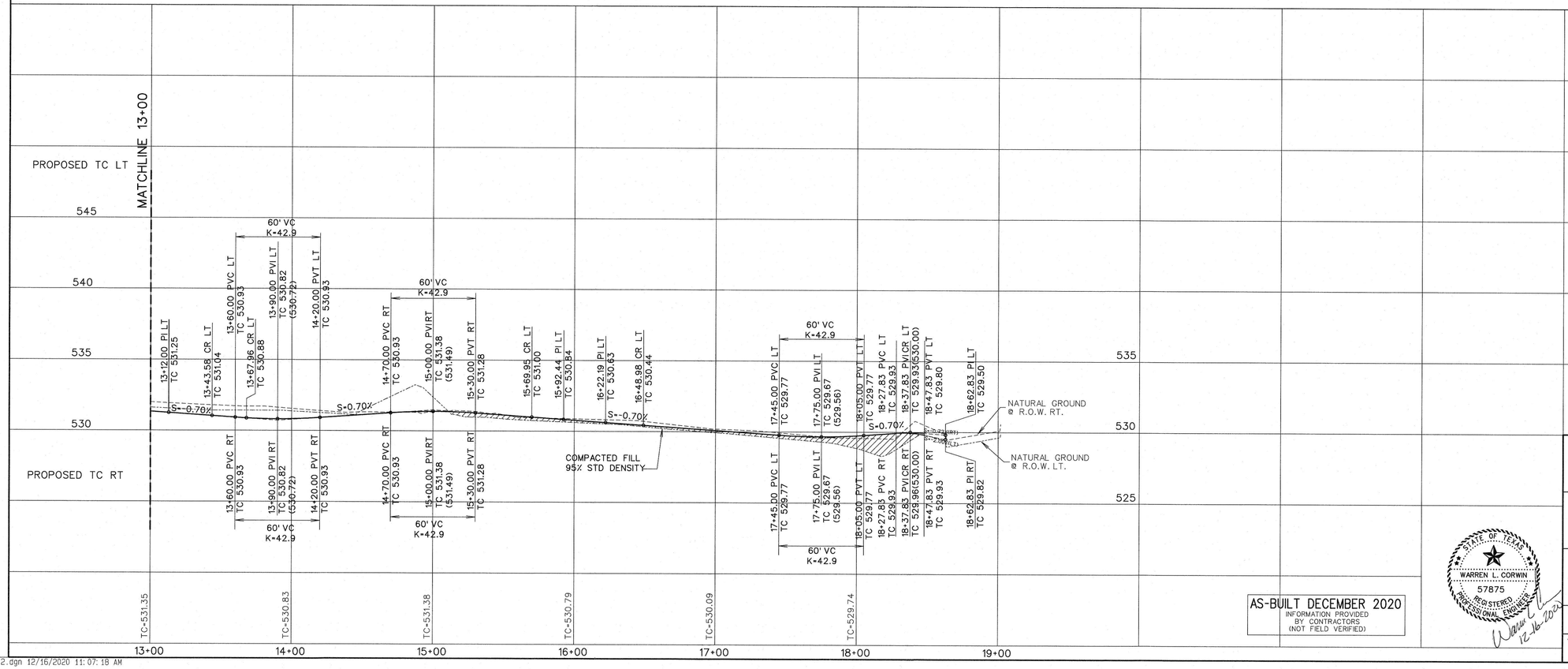
NOTE:
ALL RAMPS TO BE INSTALLED PER CITY OF ROCKWALL STANDARD DETAILS.

BENCHMARK:

" X " Cut on top of curb on east side of John King Bvld. approx. 48' north of the centerline of Pleasant View Dr.

ELEVATION = 505.61





AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

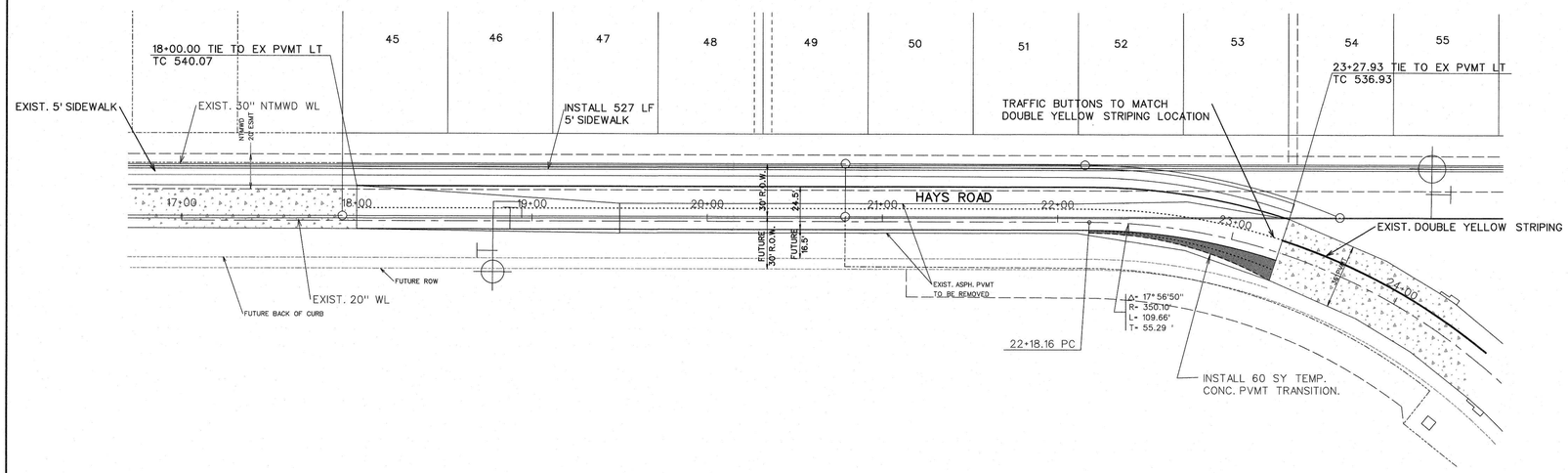
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

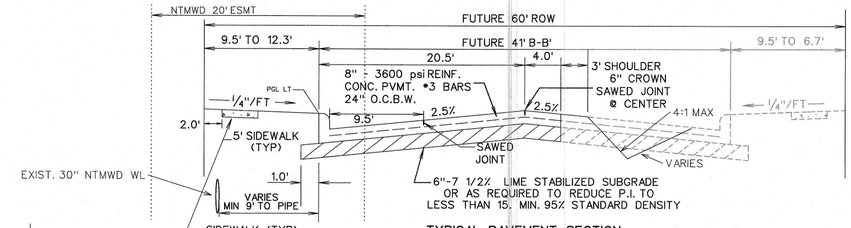
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

TOPAZ DRIVE (STA. 13+00 TO END)

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
			11
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	

19012_topaz2.dgn 12/16/2020 11:07:18 AM





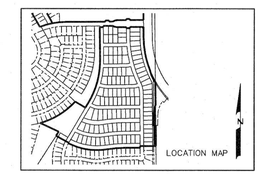
TYPICAL PAVEMENT SECTION

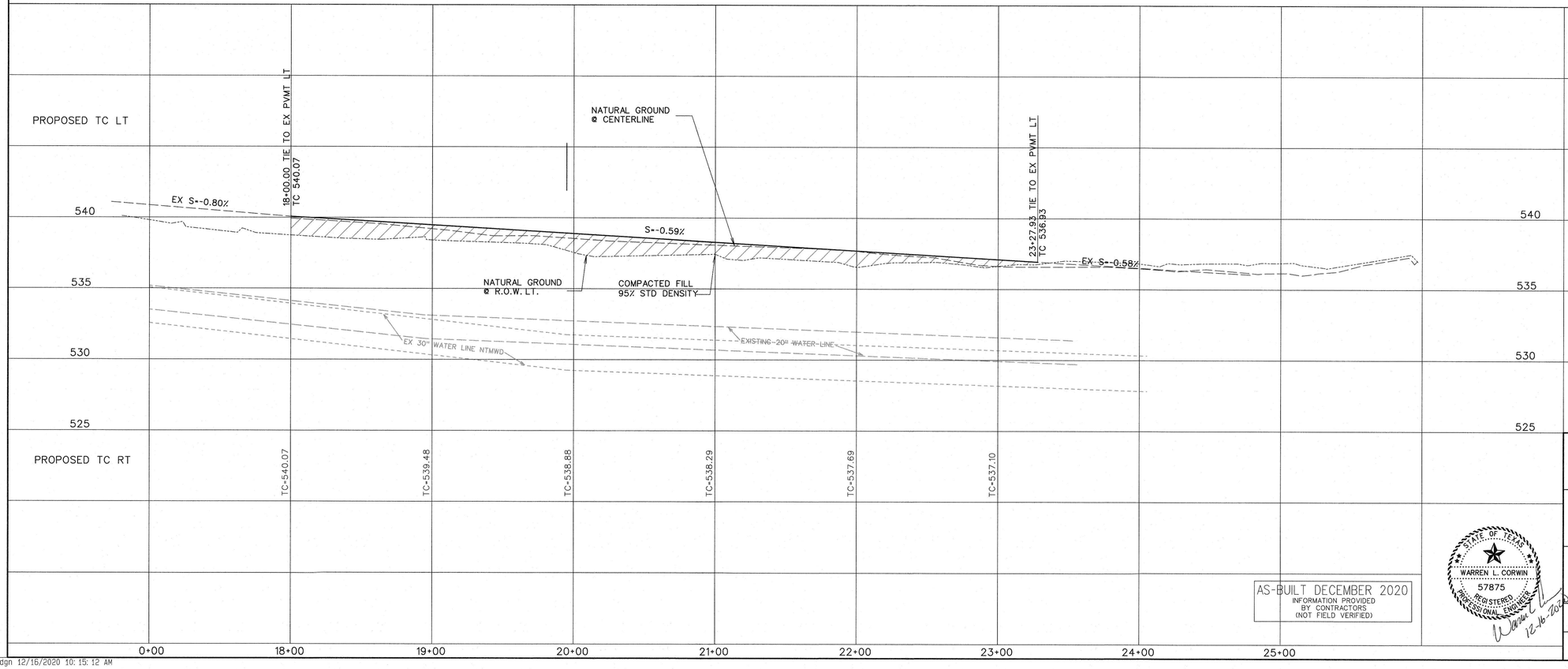
N.T.S.

*MIN. 6 1/2 SACK/CY MIX IF HAND PLACED
MIN. 6 SACK/CY FOR MACHINE PLACED

NOTE:

THE CONTRACTOR SHALL CONTACT NTMWD ENGINEERING AT (972) 442-5405 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF THE NTMWD FACILITIES.





AS-BUILT DECEMBER 2020
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED
PROFESSIONAL ENGINEER
12-16-2020

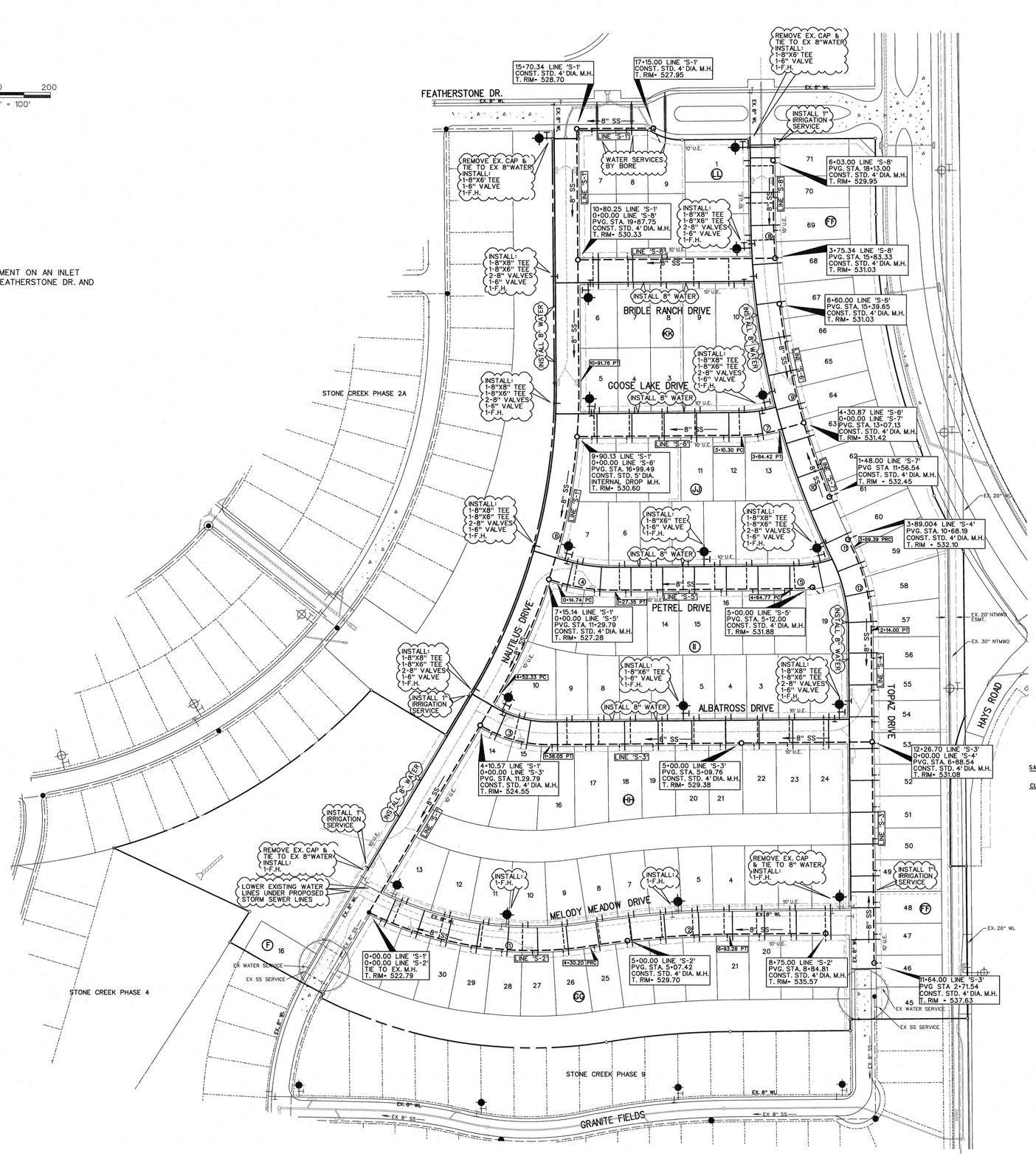
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

HAYS ROAD

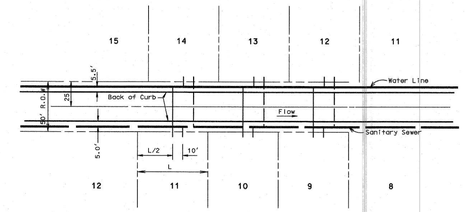
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	12

19012_hays.dgn 12/16/2020 10:15:12 AM



BENCHMARK:

CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR.
ELEV.= 525.31



TYPICAL WATER & SEWER SERVICE LAYOUT

N.T.S.

NOTE:

ALL WATER LINES TO BE CLASS 200 PIPE DR-14 C-900.

ALL SANITARY SEWER PIPE TO BE SDR 35 FOR 5-10' DEEP AND SDR 26 FOR 10' AND GREATER.

INSTALL BLUE "EMS" DISK ON WATER LINE AT EVERY 250' AND CHANGE IN DIRECTION, VALVE, AND SERVICE.

INSTALL GREEN "EMS" DISK ON SANITARY SEWER LINE EVERY 250' AND AT EVERY CHANGE IN DIRECTION, MANHOLE, CLEANOUT, AND SERVICE.

ALL MANHOLES TO BE RAVEN EPOXY LINED AND SEALED OR APPROVED EQUAL. TO BE SPARK AND PRESSURE TESTED.

SANITARY SEWER CURVE DATA

CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT
1.	35°23'22"	696.50'	430.20'	222.21'
2.	08°38'43"	1743.50'	263.08'	131.79'
3.	32°05'14"	246.50'	138.05'	70.89'
4.	17°22'05"	371.50'	112.61'	56.74'
5.	07°26'05"	271.50'	35.23'	17.64'
6.	31°16'25"	1171.50'	639.44'	327.90'
7.	16°38'28"	271.50'	74.12'	37.29'
8.	03°12'46"	1453.50'	81.50'	40.76'
9.	09°01'56"	1453.50'	299.13'	114.80'
10.	05°50'03"	1453.50'	148.00'	74.06'
11.	00°46'22"	1453.50'	19.61'	9.80'
12.	25°41'44"	346.50'	155.40'	79.03'

SERVICE SCHEDULE

TYPE	SIZE	NO.
SANITARY	4"	116
WATER	1"	116
IRRIGATION	1"	4

LEGEND

- PROP. WATER LINE
- PROP. FIRE HYDRANT AND VALVE
- PROP. GATE VALVE
- PROP. FLUSH VALVE
- EXIST. WATER LINE
- EXIST. FIRE HYDRANT AND VALVE
- PROP. SANITARY SEWER
- PROP. MANHOLE
- PROP. CLEANOUT
- EXIST. SANITARY SEWER
- EXIST. MANHOLE
- PROP. STORM SEWER
- PROP. CURB INLETS
- PROP. CONC. HEADWALL

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

Warren L. Corwin 12-16-20

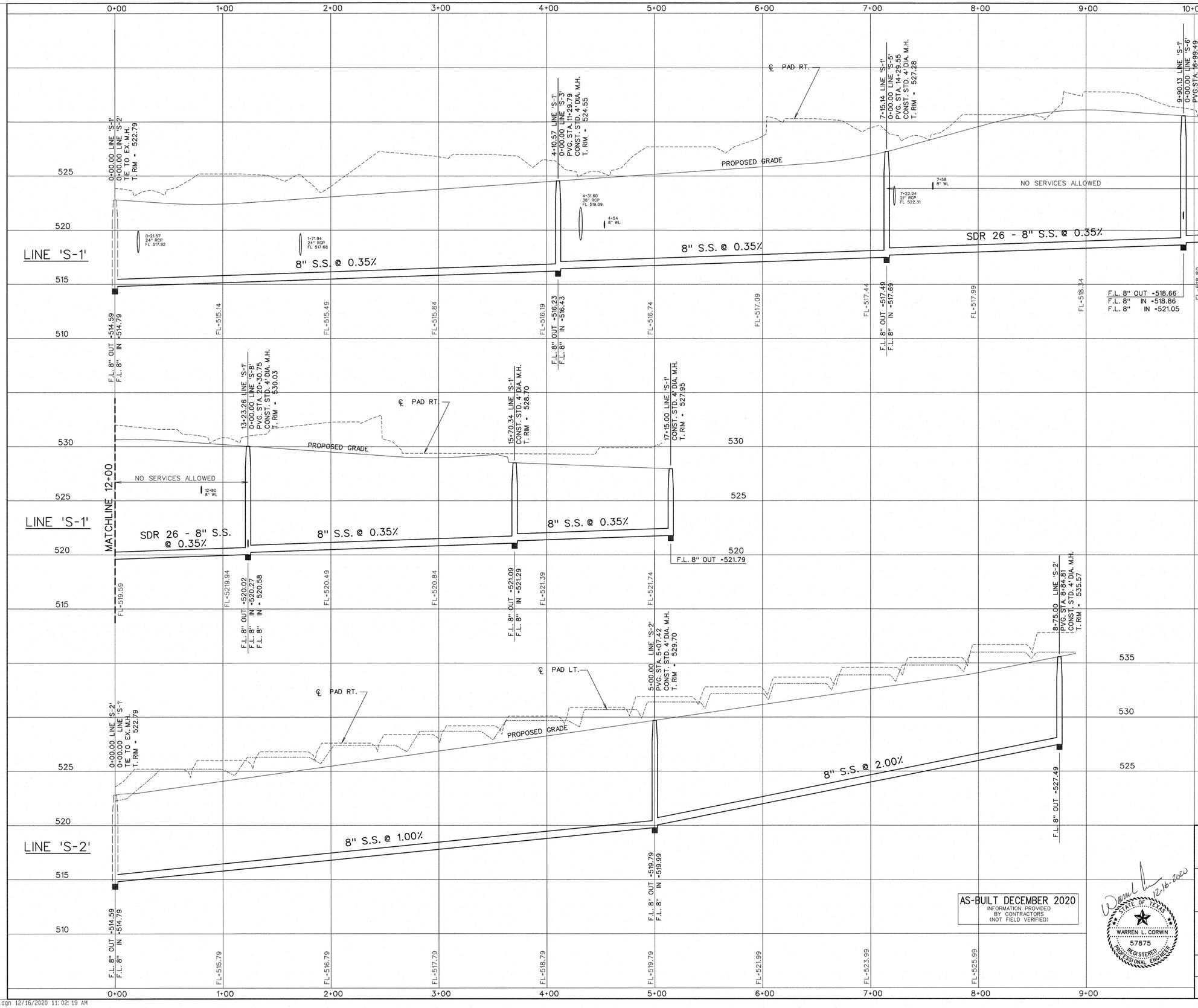
STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

WATER AND SANITARY SEWER PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=100'	13



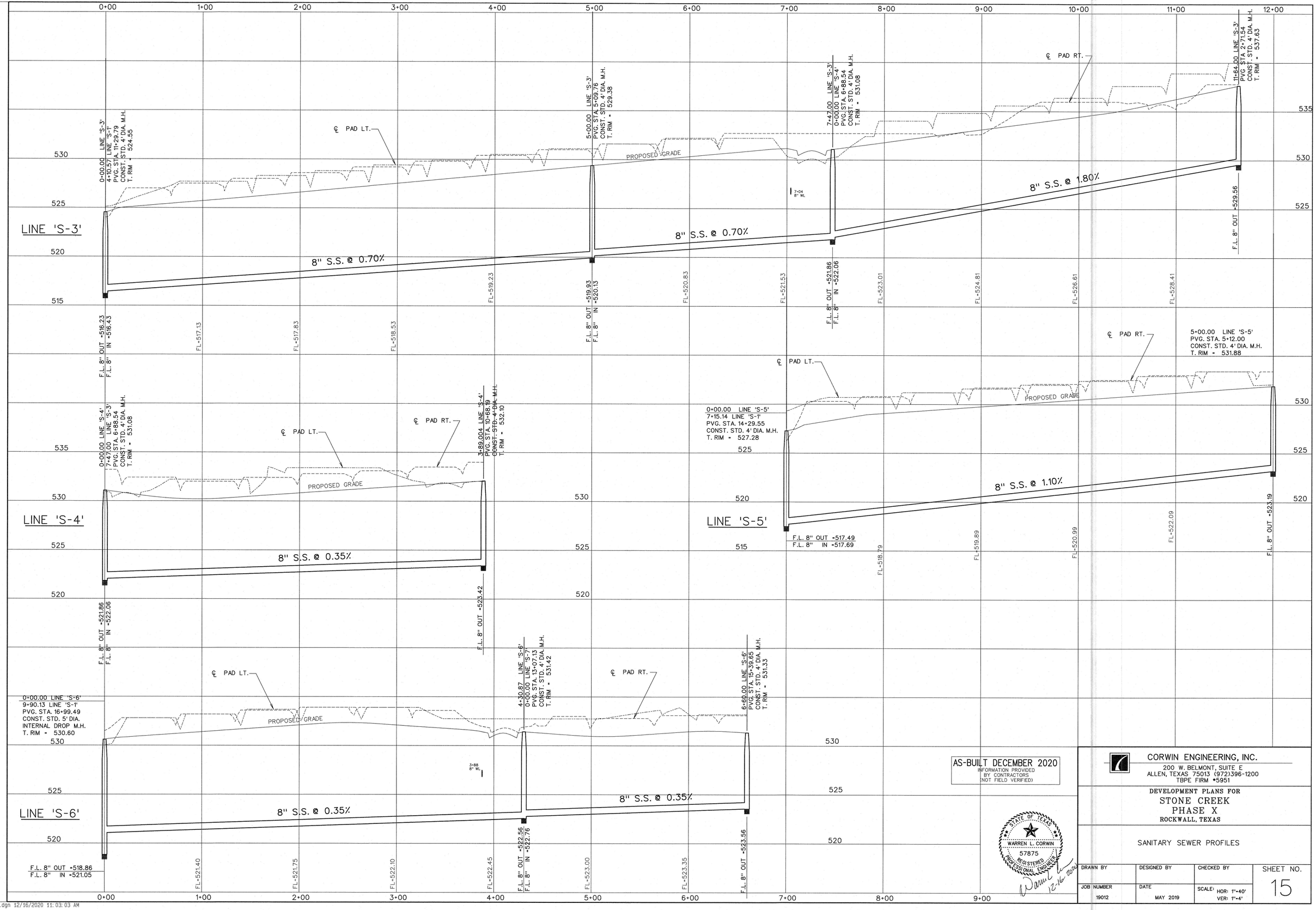
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

SANITARY SEWER PROFILES

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	14

19012_san1.dgn 12/16/2020 11:02:19 AM



AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

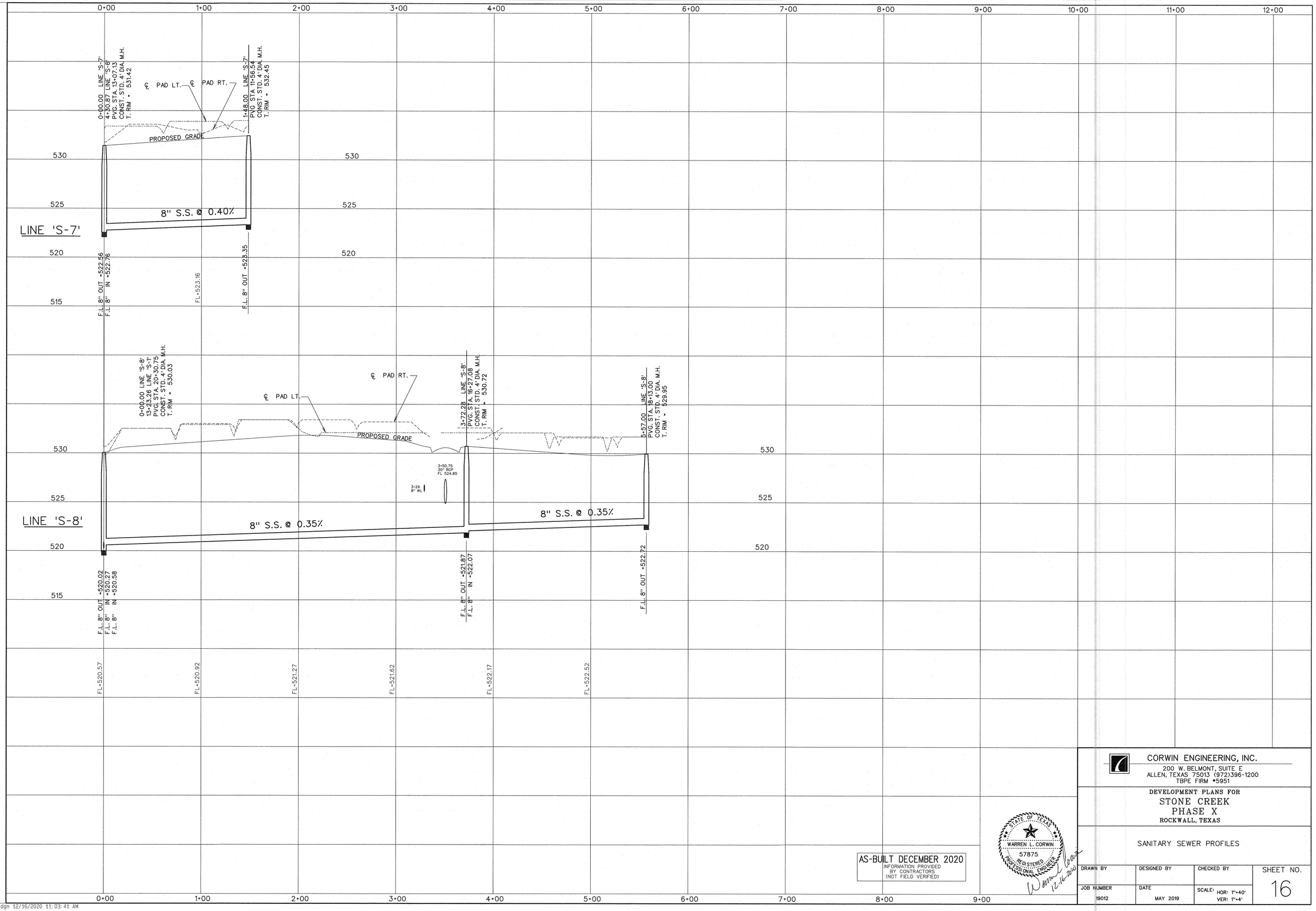
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

SANITARY SEWER PROFILES

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	15

19012_san2.dgn 12/16/2020 11:03:03 AM



CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

SANITARY SEWER PROFILES

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	16

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N

0 50 100 200
SCALE: 1" = 100'

EXISTING CONDITIONS RUNOFF COMPUTATIONS

Area #	Area (sf)	Area (acres)	Runoff Coefficient	CA	Tc (min)	I(100) (in/hr)	Q(100) (cfs)	Drains To:
EX1	425838	9.78	0.35	3.42	20	8.30	28.4	Ex. North Pond
EX2	23413	0.54	0.50	0.27	10	9.80	2.6	Ex. North Pond
EX3A	34933	0.80	0.50	0.40	10	9.80	3.9	Ex. North Pond
EX3B	88929	2.04	0.50	1.02	10	9.80	10.0	Ex. North Pond
EX4	347478	7.98	0.35	2.79	20	8.30	23.2	Ex. North Pond
EX5	1085911	24.9	0.50	12.46	10	9.80	122.2	Ex. SW Det. Pond
EX6	1355900	31.1	0.35	10.89	20	8.30	90.4	Ex. SW Det. Pond

LEGEND

- PROP. STORM SEWER
- PROP. CURB INLETS
- PROP. CONC. HEADWALL
- EXIST. STORM SEWER
- DRAINAGE AREA DIVIDE
- FLOW ARROW
- AC. / Q — DRAINAGE AREA NO.

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
12/16/2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

EXISTING CONDITIONS DRAINAGE AREA MAP

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	17

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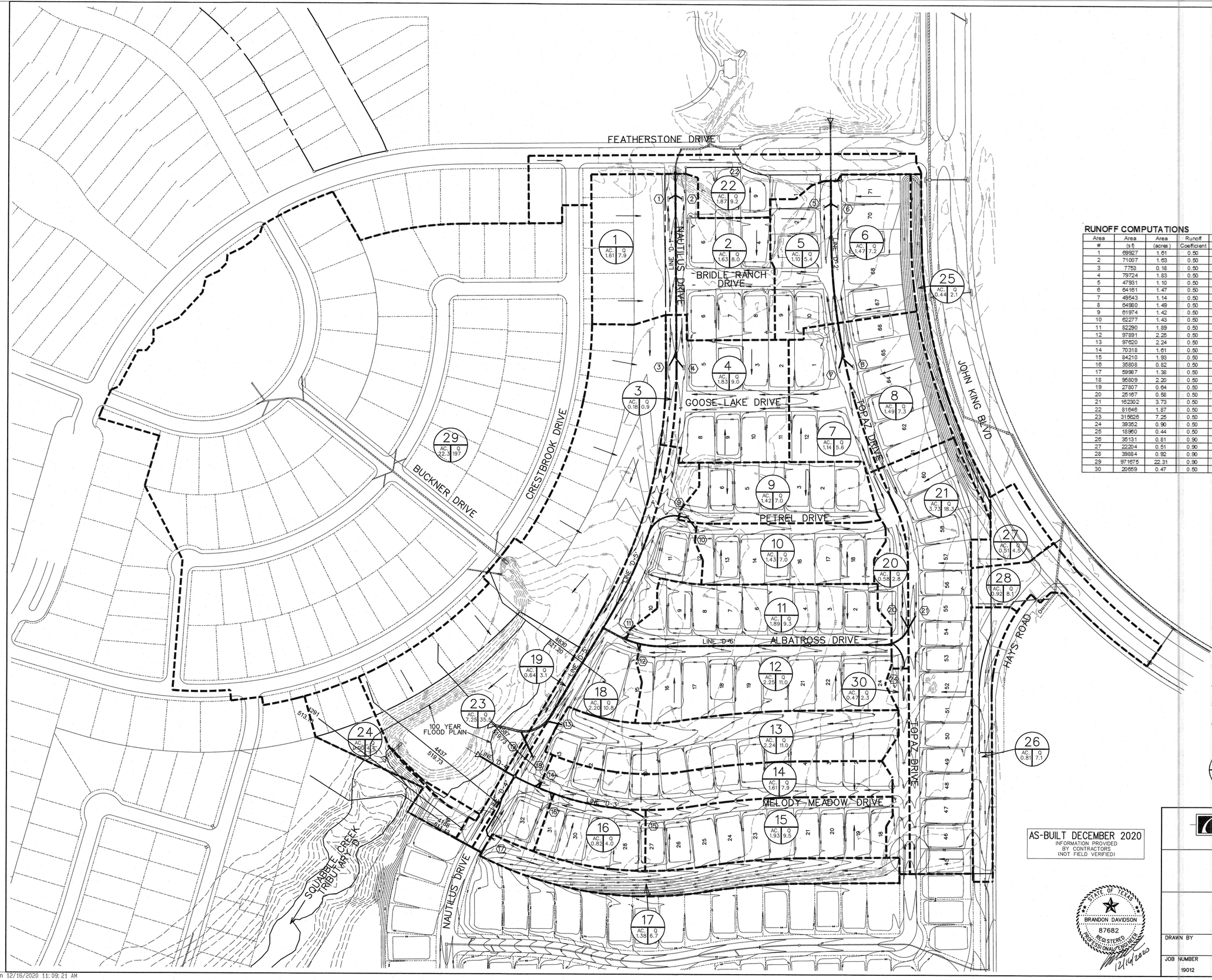

0 50 100 200
SCALE: 1" = 100'

RUNOFF COMPUTATIONS

Area #	Area (sf)	Area (acres)	Runoff Coefficient	CA	Tc (min)	I(100) (in/hr)	Q(100) (cfs)	Drains To:
1	69927	1.61	0.50	0.80	10	9.80	7.9	Inlet 1
2	71007	1.63	0.50	0.82	10	9.80	8.0	Inlet 2
3	7753	0.18	0.50	0.09	10	9.80	0.9	Inlet 3
4	79724	1.83	0.50	0.92	10	9.80	9.0	Inlet 4
5	47931	1.10	0.50	0.55	10	9.80	5.4	Inlet 5
6	64161	1.47	0.50	0.74	10	9.80	7.2	Inlet 6
7	49543	1.14	0.50	0.57	10	9.80	5.6	Inlet 7
8	64980	1.49	0.50	0.75	10	9.80	7.3	Inlet 8
9	61974	1.42	0.50	0.71	10	9.80	7.0	Inlet 9
10	62277	1.43	0.50	0.71	10	9.80	7.0	Inlet 10
11	82290	1.89	0.50	0.94	10	9.80	9.3	Inlet 11
12	97891	2.25	0.50	1.12	10	9.80	11.0	Inlet 12
13	97620	2.24	0.50	1.12	10	9.80	11.0	Inlet 13
14	70318	1.61	0.50	0.81	10	9.80	7.9	Inlet 14
15	84210	1.93	0.50	0.97	10	9.80	9.5	Inlet 15
16	35808	0.82	0.50	0.41	10	9.80	4.0	Inlet 16
17	59967	1.38	0.50	0.69	10	9.80	6.7	Inlet 17
18	95809	2.20	0.50	1.10	10	9.80	10.8	Inlet 18
19	27807	0.64	0.50	0.32	10	9.80	3.1	Inlet 19
20	25167	0.58	0.50	0.29	10	9.80	2.8	Inlet 20
21	162302	3.73	0.50	1.86	10	9.80	18.3	Inlet 21
22	81546	1.87	0.50	0.94	10	9.80	9.2	Ex. Inlet 22
23	315626	7.25	0.50	3.62	10	9.80	35.5	Ex. Pond
24	39352	0.90	0.50	0.45	10	9.80	4.4	Ex. Creek
25	18960	0.44	0.50	0.22	10	9.80	2.1	John King Blvd
26	35131	0.81	0.90	0.73	10	9.80	7.1	Hays Road
27	22204	0.51	0.90	0.46	10	9.80	4.5	John King Blvd
28	39884	0.92	0.90	0.82	10	9.80	8.1	John King Blvd
29	971675	22.31	0.90	20.08	10	9.80	196.7	Ex. Pond
30	20659	0.47	0.50	0.24	10	9.80	2.3	Inlet 24

LEGEND

- PROP. STORM SEWER
- PROP. CURB INLETS
- PROP. CONC. HEADWALL
- EXIST. STORM SEWER
- DRAINAGE AREA DIVIDE
- FLOW ARROW
- AC. / Q — DRAINAGE AREA NO.

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
12/14/2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

DRAINAGE AREA MAP

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	17A

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STORM SEWER CALCULATIONS

Upstream Station	Downstream Station	Distance (ft)	AREA NO.	Total Area (Acres)	Picked Up (Acres)	C	CA	Accumulated CA	Tc (Min)	Design Storm (Years)	I (in/hr)	Q (CFS)	S (ft/ft)	Pipe Size (in)	Partial Flow?	Velocity (fps)	Flow Time (Min)	Velocity Head (ft)	Junction Type	K	Time at D/S (Min)	Minor Losses (ft)	Hydraulic Grade Upstream	Hydraulic Grade Downstream	Proposed Grade	Difference
Line D1																										
5+18.97	4+94.25	24.72	3	0.18	0.18	0.50	0.09	0.09	10.00	100	9.80	0.9	0.0001	18	No	0.5	0.83	0.00	Inlet	1.25	10.83	0.00	527.23	527.23	529.88	2.65
4+94.25	1+11.77	382.48	D1A	1.83	1.83	0.50	0.92	1.00	10.83	100	9.67	9.7	0.0018	24	No	3.1	2.06	0.15	60° Wye	0.35	12.90	0.15	527.22	527.08	529.88	2.80
1+11.77	0+56.00	55.77	D1B,D1C	1.61	1.61	0.50	0.80	1.81	12.90	100	9.37	16.9	0.0056	24	No	5.4	0.17	0.45	60° Wye	0.35	13.07	0.40	526.37	525.97	528.83	2.86
0+56.00	0+00.00	56.00	0	0.00	0.00	0.50	0.00	1.81	13.07	100	9.34	16.9	0.0017	30	Yes	5.7	0.16	0.50	60° Wye	0.35	13.23	0.35	525.66	525.31	528.83	3.52
0+00.00																							525.22			
Lat D1A																										
0+34.07	0+00.00	34.07	4	1.83	1.83	0.50	0.92	0.92	10.00	100	9.80	9.0	0.0073	18	No	5.1	0.11	0.40	Inlet	1.25	10.11	0.50	527.83	527.33	529.88	2.55
0+00.00																3.1	0.00	0.15	60° Wye	0.35	0.00	0.00	527.08	527.08		
Lat D1B																										
0+17.90	0+00.00	17.90	1	1.61	1.61	0.50	0.80	0.80	10.00	100	9.80	7.9	0.0056	18	No	4.5	0.07	0.31	Inlet	1.25	10.07	0.38	526.80	526.42	528.83	2.41
0+00.00																5.4	0.00	0.45	60° Wye	0.35	0.00	0.34	526.32	525.97		
Lat D1C																										
0+17.90	0+00.00	17.90	2	1.63	1.63	0.50	0.82	0.82	10.00	100	9.80	8.0	0.0058	18	No	4.5	0.07	0.32	Inlet	1.25	10.07	0.40	526.81	526.42	528.83	2.41
0+00.00																5.4	0.00	0.45	60° Wye	0.35	0.00	0.34	526.31	525.97		
Line D2																										
6+14.88	5+89.51	25.37	7	1.14	1.14	0.50	0.57	0.57	10.00	100	9.80	5.6	0.0006	24	No	1.8	0.24	0.05	Inlet	1.25	10.24	0.05	527.78	527.73	530.82	3.04
5+89.51	2+22.43	367.08	D2A	1.49	1.49	0.50	0.75	1.31	10.24	100	9.76	12.8	0.0010	30	No	2.6	2.34	0.11	60° Wye	0.35	12.58	0.09	527.72	527.63	530.82	3.19
2+22.43	1+63.58	58.85	D2B,D2C	2.57	2.57	0.50	1.29	2.60	12.58	100	9.41	24.5	0.0036	30	No	5.0	0.20	0.39	60° Wye	0.35	12.77	0.35	527.27	526.92	529.67	2.75
1+63.58	0+30.00	133.58	PVI	0.00	0.00	0.50	0.00	2.60	12.77	100	9.38	24.4	0.0035	30	Yes	7.1	0.31	0.78	60° Wye	0.35	13.09	0.65	526.71	526.38	529.67	3.29
0+30.00																							525.91		529.67	
Lat D2A																										
0+34.20	0+00.00	34.20	8	1.49	1.49	0.50	0.75	0.75	10.00	100	9.80	7.3	0.0048	18	No	4.1	0.14	0.27	Inlet	1.25	10.14	0.33	528.13	527.79	530.82	2.69
0+00.00																2.6	0.00	0.11	60° Wye	0.35	0.00	0.00	527.63	527.63		
Lat D2B																										
0+17.90	0+00.00	17.90	5	1.10	1.10	0.50	0.55	0.55	10.00	100	9.80	5.4	0.0026	18	No	3.1	0.10	0.14	Inlet	1.25	10.10	0.18	527.48	527.30	529.67	2.19
0+00.00																5.0	0.00	0.39	60° Wye	0.35	0.00	0.34	527.26	526.92		
Lat D2C																										
0+17.90	0+00.00	17.90	6	1.47	1.47	0.50	0.74	0.74	10.00	100	9.80	7.2	0.0047	18	No	4.1	0.07	0.26	Inlet	1.25	10.07	0.32	527.62	527.30	529.67	2.05
0+00.00																5.0	0.00	0.39	60° Wye	0.35	0.00	0.30	527.22	526.92		
Line D3																										
4+58.96	2+28.48	230.48	15	1.93	1.22	0.50	0.61	0.61	10.00	100	9.80	6.0	0.0033	18	No	3.4	1.13	0.18	Inlet	1.25	11.13	0.18	522.81	522.63	526.95	4.32
2+28.48	1+90.00	38.48	D3A	0.82	1.22	0.50	0.61	1.22	11.13	100	9.63	11.8	0.0126	18	No	6.7	0.10	0.69	60° Wye	0.35	11.23	0.63	521.88	521.25	523.74	2.49
1+90.00	1+35.20	54.80	D3B	1.61	1.61	0.50	0.81	2.03	11.23	100	9.62	19.5	0.0075	24	No	6.2	0.15	0.60	60° Wye	0.35	11.37	0.00	520.77	520.77	523.19	2.42
1+35.20	0+40.00	95.20	D4	1.38	1.38	0.50	0.69	2.72	11.37	100	9.59	26.1	0.0040	30	No	5.3	0.30	0.44	MH	0.55	11.67	0.24	520.36	520.12	522.54	2.42
0+40.00																							519.73			
Lat D3A																										
0+17.83	0+00.00	17.83	16	0.82	1.22	0.50	0.61	0.61	10.00	100	9.80	6.0	0.0033	18	No	3.4	0.09	0.18	Inlet	1.25	10.09	0.18	522.12	521.94	523.74	1.62
0+00.00																6.7	0.00	0.69	60° Wye	0.35	0.00	0.63	521.88	521.25		
Lat D3B																										
0+17.97	0+00.00	17.97	14	1.61	1.61	0.50	0.81	0.81	10.00	100	9.80	7.9	0.0057	18	No	4.5	0.07	0.31	Inlet	1.25	10.07	0.31	521.67	521.36	523.19	1.52
0+00.00																6.2	0.00	0.60	60° Wye	0.35	0.00	0.49	521.26	520.77		
Line D4																										
1+73.78	1+58.26	15.52	17	1.38	1.38	0.50	0.69	0.69	10.00	100	9.80	6.7	0.0041	18	No	6.7	0.04	0.70	Inlet	1.25	10.04	0.70	522.15	521.46	524.00	2.54
1+58.26	1+44.12	14.14	Bend	0.00	0.00	0.50	0.00	0.69	10.04	100	9.79	6.7	0.0041	18	No	6.7	0.04	0.70	45° Bend	0.37	10.07	0.26	521.39	521.13	523.80	2.67
1+44.12	0+00.00	144.12	Bend	0.00	0.00	0.50	0.00	0.69	10.07	100	9.79	6.7	0.0041	18	No	6.7	0.36	0.70	45° Bend	0.37	10.43	0.26	521.08	520.82	523.80	2.98
0+00.00															No	5.3	0.00	0.44	30° Bend	0.25	0.00	0.11	520.23	520.12	522.80	2.68
Line D5																										
8+24.99	7+91.34	33.65	10	1.43	1.43	0.50	0.71	0.71	10.00	100	9.80	7.0	0.0044	18	Yes	8.7	0.06	1.18	Inlet	1.25	10.06	1.18	526.43	525.26	528.83	3.57
7+91.34	7+67.25	24.09	Bend	0.00	0.00	0.50	0.00	0.71	10.06	100	9.79	7.0	0.0044	18	Yes	8.7	0.05	1.18	45° Bend	0.37	10.11	0.43	525.11	524.67	528.61	3.94
7+67.25	4+30.07	337.18	D5A	1.42	1.42	0.50	0.71	1.43	10.11	100	9.78	14.0	0.0078	21	No	5.8	0.97	0.52	60° Wye	0.35	11.08	0.00	524.56	524.56	528.52	3.96
4+30.07	1+71.10	258.97	D6	8.91	8.12	0.50	4.06	5.48	11.08	100	9.64	52.9	0.0028	42	Yes	9.0	0.48	1.26	MH	0.55	11.56	0.69	521.95	520.92	524.56	3.64
1+71.10	1+02.80	68.30	D5B	2.24	2.24	0.50	1.12	6.60	11.56	100	9.57	63.2	0.0039	42	No	6.6	0.17	0.67	60° Wye	0.35	11.73	0.00	520.20	520.20	522.90	2.70
1+02.80	0+40.00	62.80	D5C,D5D	2.84	3.94	0.50	1.97	8.58	11.73	100	9.54	81.8	0.0032	48	No	6.5	0.16	0.66	60° Wye	0.35	11.89	0.00	519.93	519.93	522.25	2.32
0+40.00																5.3	0.00	0.44	MH	0.55	0.00	0.24	519.73			
Lat D5A																										
0+17.44	0+00.00	17.44	9	1.42	1.42	0.50	0.71	0.71	10.00	100	9.80	7.0	0.0044	18	No	3.9	0.07	0.24	Inlet	1.25	10.07	0.24	525.32	525.08	528.52	3.20
0+00.00																5.8	0.00	0.52	60° Wye	0.35	0.00	0.44	525.00	524.56		
Lat D5B																										
0+38.13	0+00.00	38.13	13	2.24	2.24	0.50	1.12	1.12	10.00	100	9.80	11.0	0.0024	24	No	3.5	0.18	0.19	Inlet	1.25	10.18	0.19	521.09	520.90	523.00	1.91
0+00.00																6.6	0.00	0.67	60° Wye	0.35	0.00	0.60	520.81	520.20		
Lat D5C																										
0+69.48	0+31.61	37.87	18	2.20	3.30	0.50	1.65	1.65	10.00	100	9.80	16.2	0.0051	24	No	5.2	0.12	0.41	Inlet	1.25	10.12	0.41	521.12	520.71	522.25	1.13
0+31.61	0+00.00	31.61	D5D	0.64	0.64	0.50	0.32	1.97	10.00	100	9.80	19.3	0.0022	30	No	3.9	0.13	0.24	60° Wye	0.35	10.13	0.00	520.52	520.52	522.25	1.73
0+00.00																6.5	0.00	0.66	60° Wye	0.35	0.00	0.51	520.45	519.93		
Lat D5D																										
0+17.90	0+00.00	17.90	19	0.64	0.64	0.50	0.32	0.32	10.00	100	9.80	3.1	0.0009	18	No	1.8	0.17	0.05	Inlet	1.25	10.17	0.05	520.64	520.59	522.25	1.61
0+00.00																6.5	0.00	0.66	60° Wye	0.35	0.00	0.64	520.57	519.93		
Line D6																										
7+84.48	7+50.48	34.00	21	3.73	3.73	0.50	1.86	1.86	10.00	100	9.80	18.3	0.0065	24	Yes	5.8	0.10	0.52	Inlet	1.25	10.10	0.66	527.55	526.89	530.07	2.52
7+50.48	6+97.75	52.73	D6A	0.58	0.58	0.50	0.29	2.15	10.10	100	9.79	21.1	0.0026	30	Yes	7.5	0.12	0.87	60° Wye	0.35	10.21	0.69	526.67	525.98	530.07	4.09
6+97.75	5+00.00	197.75	D6D	0.47	0.47	0.50	0.24	2.39	10.21	100	9.77	23.3	0.0032	30	Yes	7.5	0.44	0.87	60° Wye	0.35	10.65	0.57	525.84	525.27	530.07	4.80
5+00.00	0+88.86	411.14	MH	0.00	0.00	0.50	0.00	2.39	10.65	100	9.70	23.2	0.0032	30	No	4.7	1.45	0.35	MH	1.00	12.11	0.35	524.63	524.29	529.17	4.88
0+88.86	0+54.41	34.45	D6B	2.25	1.45	0.50	0.72	3.11	12.11	100	9.48	29.5	0.0052	30	No	6.0	0.10	0.56	60° Wye	0.35	12.20	0.44	522.97	522.53	525.44	2.91
0+54.41	0+00.00	54.41	D6C	1.89	1.89	0.50	0.94	4.06	12.20	100	9.47	38.4	0.0033	36	Yes	7.0	0.13	0.76	60° Wye	0.35	12.33	0.56	522.35	521.79	525.14	3.35
0+00.00																9.0	0.00	1.26	MH	0.55	0.00	0.69	521.61	520.92		
Lat D6A																										
0+34.00	0+00.00	34.00	20	0.58	0.58	0.50	0.29	0.29	10.00	100	9.80	2.8	0.0007	18	No	1.6	0.35	0.04	Inlet	1.25	10.35	0.04	526.90	526.86	530.07	3.17
0+00.00																7.5	0.00	0.87	60° Wye	0.35	0.00	0.86	526.84	525.98		
Lat D6B																										
0+17.71	0+00.00	17.71	12	2.25	1.45	0.50	0.72	0.72	10.00	100	9.80	7.1	0.0046	18	No	4.0	0.07	0.25	Inlet	1.25	10.07	0.25	523.34	523.09	525.44	2.10
0+00.00																6.0	0.00	0.56	60° Wye	0.35	0.00	0.47	523.01	522.53		
Lat D6C																										
0+18.12	0+00.00	18.12	11	1.89	1.89	0.50	0.94	0.94	10.00	100	9.80	9.3	0.0078	18	No	5.2	0.06	0.43	Inlet	1.25	10.06	0.43	522.97	522.54	525.14	2.17
0+00.00																7.0	0.00	0.76	60° Wye	0.35	0.00	0.61	522.40	521.79		
Lat D6D																										
0+69.55	0+62.48	7.07	30	0.47	0.47	0.50	0.24	0.24	10.00	100	9.80	2.3	0.0005	18	Yes	7.7	0.02	0.92	Inlet	1.25	10.02	0.92	526.57	525.65	531.42	4.85
0+62.48	0+00.00	62.48	Bend	0.00	0.00	0.50	0.00	0.24	10.02	100	9.80	2.3	0.0005	18	Yes	7.7	0.14	0.92	45° Bend	0.37	10.15	0.34	525.64	525.30	531.30	5.66
0+00.00																7.5	0.00	0.87	60° Wye	0.35	0.00	0.00	525.27	525.27		
John King A																										
24+97.70	24+61.44	36.26	OEM	16.70	16.70	0.35	5.85	5.85	20.00	100	8.30	48.5	0.0023	42		5.0	0.12	0.39	Inlet	1.25	20.12	0.49	533.71	533.22	536.00	2.29
24+61.44	24+44.03	17.41	A13	1.05	1.05	0.90	0.94	6.79	20.12	100	8.28	56.2	0.0031	42		5.8	0.05	0.53	45° Wye	0.50	20.17	0.33	533.13	532.80	535.77	2.97
24+44.03	24+44.03	0.00	Bend	0.00	0.00	0.90	0.00	6.79	20.17	100	8.28	56.2	0.0031	42		5.8	0.00	0.53	45° Bend	0.37	20.17	0.20	532.03	531.84		
24+44.03	23+13.96	130.07	A9	0.92	0.92	0.90	0.82	7.61	20.17	100	8.28	63.0	0.0039	42		6.5	0.33	0.67	45° Wye	0.50	20.50	0.40	532.75	532.34	535.38	3.04
23+13.96	22+70.36	43.60	A16	0.51	0.51	0.90	0.46	8.07	20.50	100	8.23	66.4	0.0044	42		6.9	0.11	0.74	45° Wye	0.50	20.61	0.41	531.84	531.43	536.05	4.62
22+70.36	20+33.12	237.24	A-1	3.57	3.48	0.90	3.13	11.20	20.61	100	8.22	92.0	0.0084	42		9.6	0.41	1.42	45° Bend	0.37	21.02	0.53	531.24	530.71		
20+33.12	20+20.92	12.20	Bend	0.00	0.00	0.90	0.00	11.20	21.02	100	8.16	91.4	0.0083	42		9.5	0.02	1.40	45° Bend	0.37	21.04	0.52	528.73	528.21		
20+20.92	19+09.82	111.10	MH	0.00	0.00	0.90	0.00	11.20	21.04	100	8.15	91.4	0.0082	42		9.5	0.20	1.40	MH	0.55	21.24	0.77	528.11	527.34	536.94	9.60
19+09.82	16+16.37	293.45	Bend	0.00	0.00	0.90	0.00	11.20	21.24	100	8.13	91.1	0.0082	42		9.5	0.52	1.39	45° Bend	0.37	21.75	0.51	526.42	525.91		
16+16.37	13+38.24	278.13	A8,A18	1.35	1.13	0.90	1.02	12.22	21.75	100	8.05	98.4	0.0096	42		10.2	0.45	1.63	MH	0.25	22.21	0.41	523.50	523.10	533.06	9.96
13+38.24	9+11.46	426.78	A10,A21	0.83	0.99	0.90	0.89	13.11	22.21	100	7.99	104.8	0.0053	48		8.3	0.85	1.08	MH	0.25	23.06	0.27	520.44	520.17	531.08	10.91
9+11.46	6+11.46	300.00	A22,A23	1.03	1.03	0.90	0.92	14.03	23.06	100	7.87	110.5	0.0059	48		8.8	0.57	1.20	MH	0.25	23.63	0.30	517.90	517.60	529.19	11.59
6+11.46	3+11.46	300.00	A24,A27	0.90	0.96	0.90	0.86	14.90	23.63	100	7.79	116.1	0.0065	48		9.2	0.54	1.33	MH	0.25	24.17	0.33	515.82	515.49	527.54	12.05
3+11.46	0+60.96	250.50	MH	0.00	0.00	0.90	0.00	14.90	24.17	100	7.72	115.0	0.0064	48		9.1	0.46	1.30	MH	0.25	24.63	0.32	513.53	505.33	520.35	15.02
0+60.96	0+11.46	49.50	A32	0.76	0.64	0.90	0.57	15.47	24.63	100	7.65	118.4	0.0068	48		9.4	0.09	1.38	MH	0.25	24.71	0.34	503.73	503.38	509.11	5.73
0+11.46	0+00.00	11.46	Bend	0.00	0.00	0.90	0.00	15.47	24.71	100	7.64	118.2	0.0068	48		9.4	0.02	1.37	45° Bend	0.37	24.73	0.51	503.05	502.54	507.00	4.46
0+00.00																9.2	0.00	1.31		0.50	0.00	0.00	502.46	502.46		
LAT A13																										
0+92.00	0+27.00	65.00	26	0.81	0.81	0.90	0.73	0.73	10.00	100	9.80	7.1	0.0046	18		4.0	0.27	0.25	Inlet	1.25	10.27	0.31	534.04	533.73	535.77	1.73
0+27.00	0+00.00	27.00	A12	0.24	0.24	0.90	0.22	0.94	10.27	100	9.76	9.2	0.0077	18		5.2	0.09	0.42	MH	0.25	10.36	0.11	533.43	533.33	535.48	2.05
0+00.00																5.8	0.00	0.53	45° Wye	0.50	0.00	0.32	533.12	532.80		
Lat A9																										
0+41.00	0+00.00	41.00	28	0.92	0.92	0.90	0.82	0.82	10.00	100	9.80	8.1	0.0059	18		4.6	0.15	0.32	Inlet	1.25	10.15	0.41	533.16	532.75	535.38	2.22
0+00.00																6.5	0.00	0.67	MH	0.25	0.00	0.17	532.51	532.34		
Lat A16																										
0+77.00	0+00.00	77.00	27	0.51	0.51	0.90	0.46	0.46	10.00	100	9.80	4.5	0.0018	18		2.5	0.50	0.10	Inlet	1.25	10.50	0.13	532.43	532.31	536.05	3.62
0+00.00																6.9	0.00	0.74	MH	1.00	0.00	0.74	532.17	531.43		
Lat A8																										
0+86.00	0+00.00	86.00	A8	0.64	0.48	0.90	0.43	0.43	10.00	100	9.80	4.2	0.0016	18		2.4	0.60	0.09	Inlet	1.25	10.60	0.11	528.70	528.59	533.06	4.36
0+00.00																10.2	0.00	1.63	MH	1.00	0.00	1.63	528.45	523.10		
Lat A18																										
0+06.00	0+00.00	6.00	A18	0.71	0.65	0.90	0.59	0.59	10.00	100	9.80	5.7	0.0030	18		3.2	0.03	0.16	Inlet	1.25	10.03	0.20	528.67	528.47	533.06	4.39
0+00.00																10.2	0.00	1.63	MH	1.00	0.00	1.63	528.45	523.10		
Lat A10																										
0+86.00	0+00.00	86.00	A10	0.41	0.53	0.90	0.48	0.48	10.00	100	9.80	4.7	0.0020	18		2.6	0.54	0.11	Inlet	1.25	10.54	0.14	526.23	526.10	531.08	4.85
0+00.00																8.3	0.00	1.08	MH	1.00	0.00	1.08	525.93	520.17		
Lat A21																										
0+06.00	0+00.00	6.00	A21	0.42	0.46	0.90	0.41	0.41	10.00	100	9.80	4.1	0.0015	18		2.3	0.04	0.08	Inlet	1.25	10.04	0.10	526.04	525.94	531.08	5.04
0+00.00																8.3	0.00	1.08	MH	1.00	0.00	1.08	525.93	520.17		
Lat A22																										
1+00.00	0+00.00	100.00	A22	0.48	0.50	0.90	0.45	0.45	10.00	100	9.80	4.4	0.0018	18		2.5	0.67	0.10	Inlet	1.25	10.67	0.12	524.22	524.10	529.19	4.97
0+00.00																8.8	0.00	1.20	MH	1.00	0.00	1.20	523.92	517.60		
Lat A23																										
0+06.00	0+00.00	6.00	A23	0.55	0.53	0.90	0.47	0.47	10.00	100	9.80	4.6	0.0020	18		2.6	0.04	0.11	Inlet	1.25	10.04	0.13	524.07	523.93	529.94	5.87
0+00.00																8.8	0.00	1.20	MH	1.00	0.00	1.20	523.92	517.60		
Lat A24																										
1+16.00	0+00.00	116.00	A24	0.49	0.52	0.90	0.47	0.47	10.00	100	9.80	4.6	0.0019	18		2.6	0.74	0.10	Inlet	1.25	10.74	0.13	522.77	522.64	527.54	4.77
0+00.00																9.2	0.00	1.33	MH	1.00	0.00	1.33	522.42	515.49		
Lat A27																										
0+06.00	0+00.00	6.00	A27	0.41	0.44	0.90	0.40	0.40	10.00	100	9.80	3.9	0.0014	18		2.2	0.05	0.07	Inlet	1.25	10.05	0.09	522.52	522.43	527.44	4.92
0+00.00																9.2	0.00	1.33	MH	1.00	0.00	1.33	522.42	515.49		
Lat A32																										
0+06.00	0+00.00	6.00	A32	0.76	0.64	0.90	0.57	0.57	10.00	100	9.80	5.6	0.0029	18		3.2	0.03	0.16	Inlet	1.25	10.03	0.20	504.97	504.78	509.11	4.14
0+00.00																9.4	0.00	1.38	MH	1.00	0.00	1.38	504.76	503.38		
Line A-1																										
8+61.20	7+62.95	98.25	A1	0.87	0.60	0.90	0.54	0.54	10.00	100	9.80	5.3	0.0026	18		3.0	0.54	0.14	Inlet	1.25	10.54	0.14	535.53	535.39	542.82	7.29
7+62.95	3+67.77	395.18	A2	0.87	0.60	0.90	0.54	1.08	10.54	100	9.72	10.5	0.0022	24		3.3	1.97	0.17	MH	0.25	12.51	0.14	535.14	535.00	542.82	7.82
3+67.77	1+36.39	231.38	A5,A6	1.13	1.52	0.90	1.37	2.45	12.51	100	9.42	23.1	0.0032	30		4.7	0.82	0.34	MH	0.25	13.33	0.30	534.14	533.84	537.70	3.86
1+36.39	0+08.50	127.89	A7	0.70	0.76	0.90	0.68	3.13	13.33	100	9.30	29.1	0.0050	30		5.9	0.36	0.55	MH	0.25	13.69	0.46	533.11	532.65	535.39	2.74
0+08.50	0+00.00	8.50	Size Chang	0.00	0.00	0.90	0.00	3.13	13.69	100	9.25	29.0	0.0008	42		3.0	0.05	0.14	MH	0.25	13.74	0.00	532.00	532.00	535.39	3.39
0+00.00																9.6	0.00	1.42	MH	0.25	0.00	1.28	532.00	530.71	0.00	
Lat A6																										
0+86.00	0+00.00	86.00	A6	0.58	0.77	0.90	0.69	0.69	0.00	100	11.30	7.8	0.0056	18		4.4	0.32	0.30	Inlet	1.25	0.32	0.30	534.89	534.59	537.70	2.81
0+00.00																4.7	0.00	0.34	MH	0.25	0.00	0.27	534.11	533.84	0.00	

INLET CALCULATIONS

Inlet					Design Storm Freq.	Area Runoff: Q=CIA						Carry-Over from Upstream	Total Gutter Flow	Gutter Capacity	Gutter Slope	Crown	Maximum Allowable Ponding Depth	Actual Ponding Depth	Maximum Allowable Spread	Actual Spread	Selected Inlet				
						Tc	Intensity "I"	Runoff Coeff. "C"		Area "A"	Q										Length		Inlet Capacity	Carry-Over to Downstream Inlet	Carry Over to Downstream Inlet No.
Inlet No.	Station	Offset		Street	(years)	(min)	(in/hr)	"C"	DA#	(acres)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/100 ft)	Type	(ft)	(ft)	(ft)	(ft)	Li (ft)	Type	(cfs)	Inlet (cfs)	Inlet No.
1	22+00.00	0+15.50	LT	NAUTILUS	100	10	9.8	0.50	1	1.61	7.9	0.0	7.9	12.6	0.70%	6" pbl	0.50	0.42	15	12.6	10	STD.	20.1	0.0	
2	22+00.00	0+15.50	RT	NAUTILUS	100	10	9.8	0.50	2	1.63	8.0	0.0	8.0	12.6	0.70%	6" pbl	0.50	0.42	15	12.6	10	STD.	20.1	0.0	
3	18+00.00	0+15.50	LT	NAUTILUS	100	10	9.8	0.50	3	0.18	0.9	0.0	0.9	12.6	0.70%	6" pbl	0.50	0.18	15	5.5	10	STD.	20.1	0.0	
4	18+00.00	0+15.50	RT	NAUTILUS	100	10	9.8	0.50	4	1.83	9.0	0.0	9.0	12.6	0.70%	6" pbl	0.50	0.44	15	13.2	10	STD.	20.1	0.0	
5	17+75.00	0+15.50	LT	TOPAZ	100	10	9.8	0.50	5	1.10	5.4	0.0	5.4	12.6	0.70%	6" pbl	0.50	0.36	15	10.9	10	STD.	20.1	0.0	
6	17+75.00	0+15.50	RT	TOPAZ	100	10	9.8	0.50	6	1.47	7.2	0.0	7.2	12.6	0.70%	6" pbl	0.50	0.40	15	12.2	10	STD.	20.1	0.0	
7	13+90.00	0+15.50	LT	TOPAZ	100	10	9.8	0.50	7	1.14	5.6	0.0	5.6	12.6	0.70%	6" pbl	0.50	0.37	15	11.0	10	STD.	20.1	0.0	
8	13+90.00	0+15.50	RT	TOPAZ	100	10	9.8	0.50	8	1.49	7.3	0.0	7.3	12.6	0.70%	6" pbl	0.50	0.41	15	12.2	10	STD.	20.1	0.0	
9	0+57.00	0+15.50	LT	PETREL	100	10	9.8	0.50	10	1.42	7.0	0.0	7.0	12.7	0.71%	6" pbl	0.50	0.40	15	12.0	10	STD.	8.1	0.0	
10	1+02.00	0+15.50	RT	PETREL	100	10	9.8	0.50	11	1.43	7.0	0.0	7.0	12.7	0.71%	6" pbl	0.50	0.40	15	12.0	10	STD.	8.1	0.0	
11	0+64.00	0+15.50	LT	ALBATROSS	100	10	9.8	0.50	12	1.89	9.3	0.0	9.3	14.5	0.92%	6" pbl	0.50	0.42	15	12.7	15	STD.	14.4	0.0	
12	0+97.00	0+15.50	RT	ALBATROSS	100	10	9.8	0.50	13	2.25	11.0	0.0	11.0	14.5	0.92%	6" pbl	0.50	0.45	15	13.5	10	STD.	7.1	3.9	18
13	9+98.00	0+35.00	RT	NAUTILUS	100	10	9.8	0.50	14	2.24	11.0	0.0	11.0	12.5	1.30%	SWALE (13:1 SS)	1.00	0.96	12	7.6	4X4	WYE	17.5	0.0	
14	0+64.00	0+15.00	LT	MELODY MEADOW	100	10	9.8	0.50	15	1.61	7.9	0.0	7.9	18.1	1.44%	6" pbl	0.50	0.37	15	11.0	15	STD.	12.5	0.0	
15	3+00.00	0+15.00	RT	MELODY MEADOW	100	10	9.8	0.50	16	1.93	9.5	0.0	9.5	18.1	1.44%	6" pbl	0.50	0.39	15	11.8	10	STD.	6.0	3.5	16
16	1+02.00	0+15.00	RT	MELODY MEADOW	100	10	9.8	0.50	17	0.82	4.0	3.5	7.5	18.1	1.44%	6" pbl	0.50	0.36	15	10.8	10	STD.	6.0	1.5	18
17	5+86.39	0+35.00	RT	NAUTILUS	100	10	9.8	0.50	18	1.38	6.7	0.0	6.7	16.5	1.20%	SWALE (12:1 SS)	1.00	0.22	15	6.6	4X4	WYE	17.5	0.0	
18	8+00.00	0+15.50	RT	NAUTILUS	100	10	9.8	0.50	19	2.20	10.8	5.4	16.2	16.6	0.70%	6" pbl	0.50	0.49	15	14.8	10	STD.	20.1	0.0	
19	8+00.00	0+15.50	LT	NAUTILUS	100	10	9.8	0.50	20	0.64	3.1	0.0	3.1	12.6	0.70%	6" pbl	0.50	0.30	15	8.9	10	STD.	20.1	0.0	
20	7+83.17	0+15.50	LT	TOPAZ	100	10	9.8	0.50	21	0.58	2.8	0.0	2.8	17.4	1.33%	6" pbl	0.50	0.25	15	7.6	10	STD.	20.1	0.0	
21	7+83.17	0+15.50	RT	TOPAZ	100	10	9.8	0.50	22	3.73	18.3	0.0	18.3	17.4	1.33%	6" pbl	0.50	0.41	15	12.4	10	STD.	20.1	0.0	
22 (EX)	41+40.00	0+20.68	RT	FEATHERSTONE	100	10	9.8	0.50	23	1.87	9.2	0.0	9.2	11.7	0.60%	6" pbl	0.50	0.46	15	13.7	10	STD.	20.1	0.0	
23 (EX)	24+25.00	0+18.50	LT	HAYS	100	10	9.8	0.90	26	0.81	7.1	0.0	7.1	11.5	0.58%	6" pbl	0.50	0.42	15	12.5	10	STD.	7.1	0.0	
24	6+54.04	0+18.50	LT	TOPAZ	100	10	9.8	0.50	30	0.47	2.3	0.0	2.3	17.4	1.33%	6" pbl	0.50	0.23	15	7.0	10	STD.	6.4	0.0	

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

BRANDON DAVIDSON
87682

12/16/2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

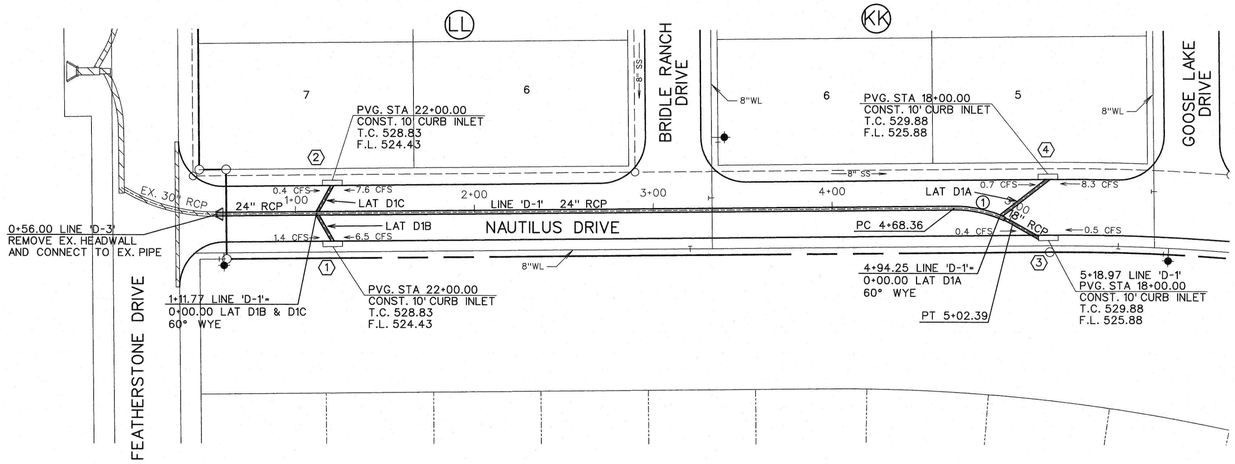
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

DRAINAGE CALCULATIONS

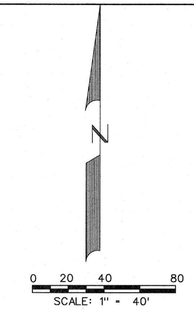
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	18

19012calc.dgn 12/16/2020 11:08:30 AM

STORM SEWER CURVE DATA			
CURVE NO.	1	2	3
Δ	30° 00'00"	° ' "	° ' "
R	65.00'	'	'
T	17.42'	'	'
L	34.03'	'	'

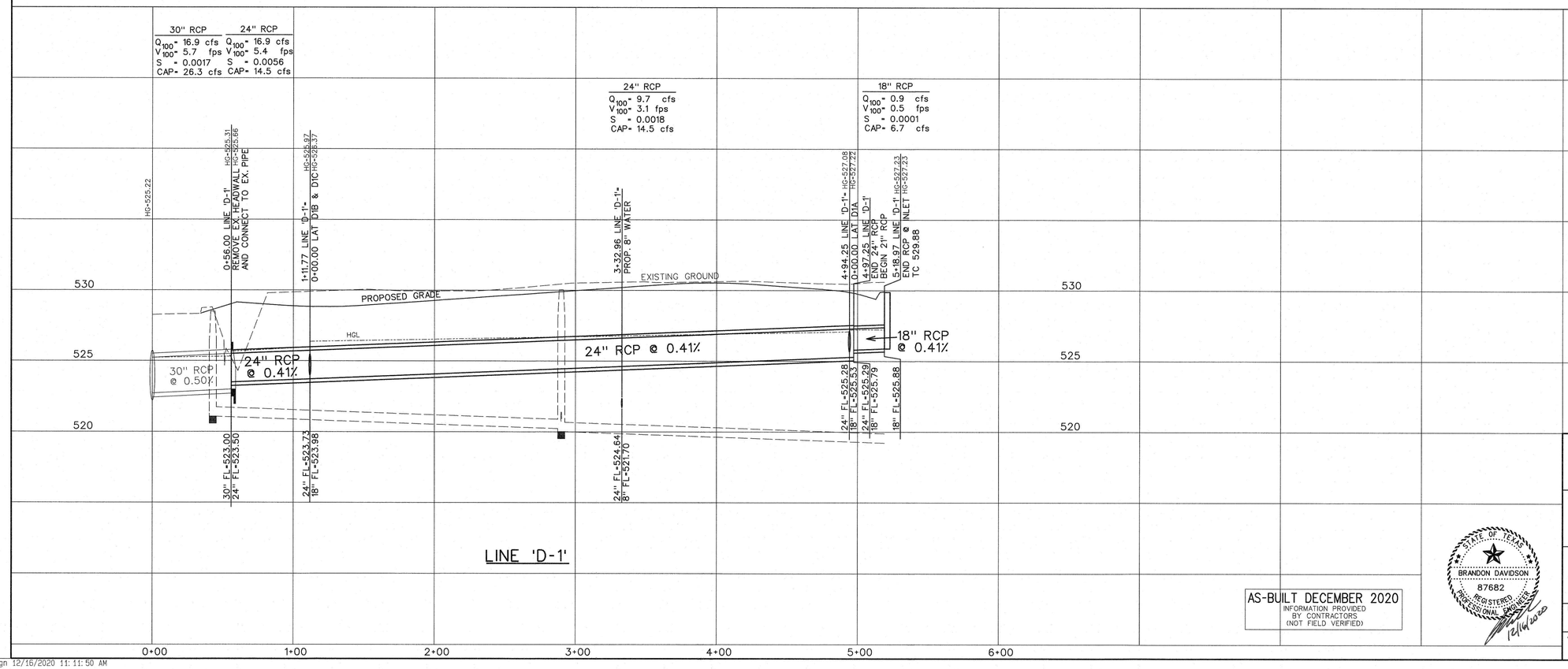


LINE 'D-1'



LEGEND

- (B) - BLOCK LABEL
- (19) - INLET NUMBER
- (1) - CURVE NUMBER
- SANITARY SEWER
- WATER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER



LINE 'D-1'

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED
PROFESSIONAL ENGINEER
12/16/2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINE 'D-1'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	19

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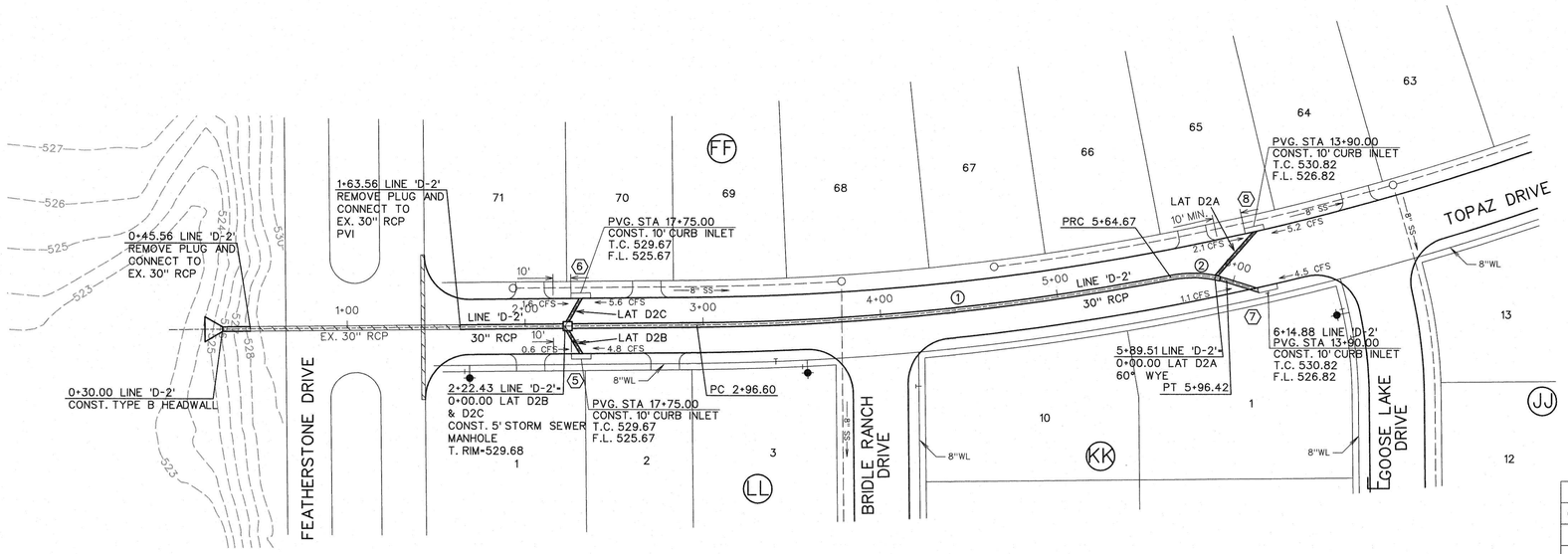
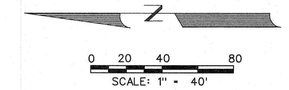


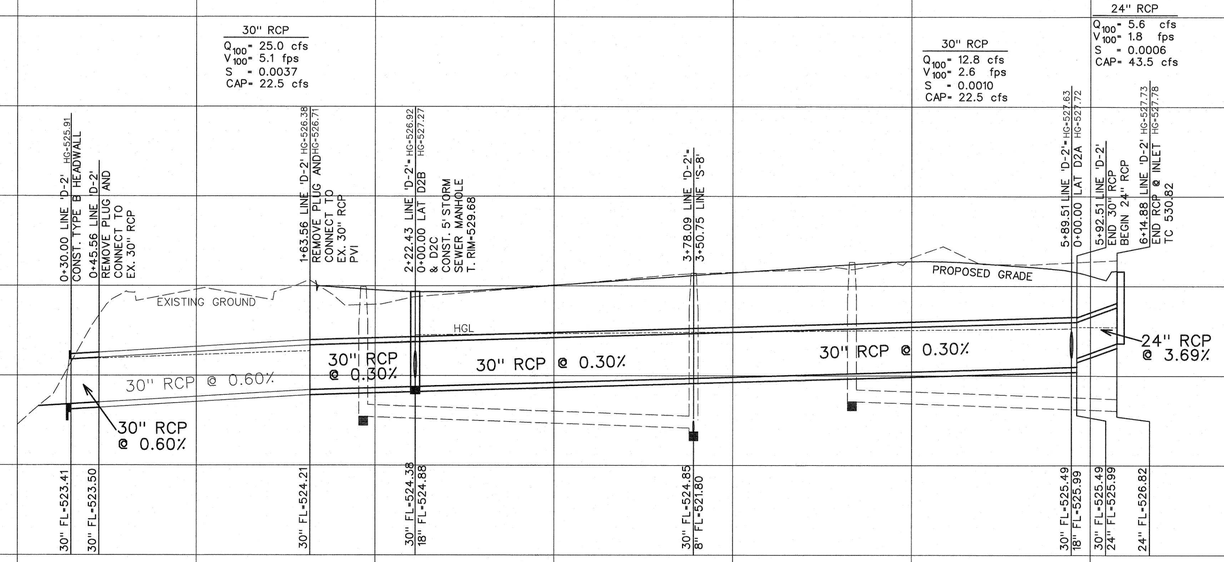
LINE 'D-2'



	STORM SEWER CURVE DATA		
CURVE NO.	1	2	3
Δ	10° 24'47"	27° 59'28"	° ' "
R	1475.00'	65.00'	'
T	134.41'	16.20'	'
L	268.07'	31.75'	'

LEGEND

- B - BLOCK LABEL
- 19 - INLET NUMBER
- 1 - CURVE NUMBER
- SANITARY SEWER
- WATER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER



LINE 'D-2'

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
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12/14/2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

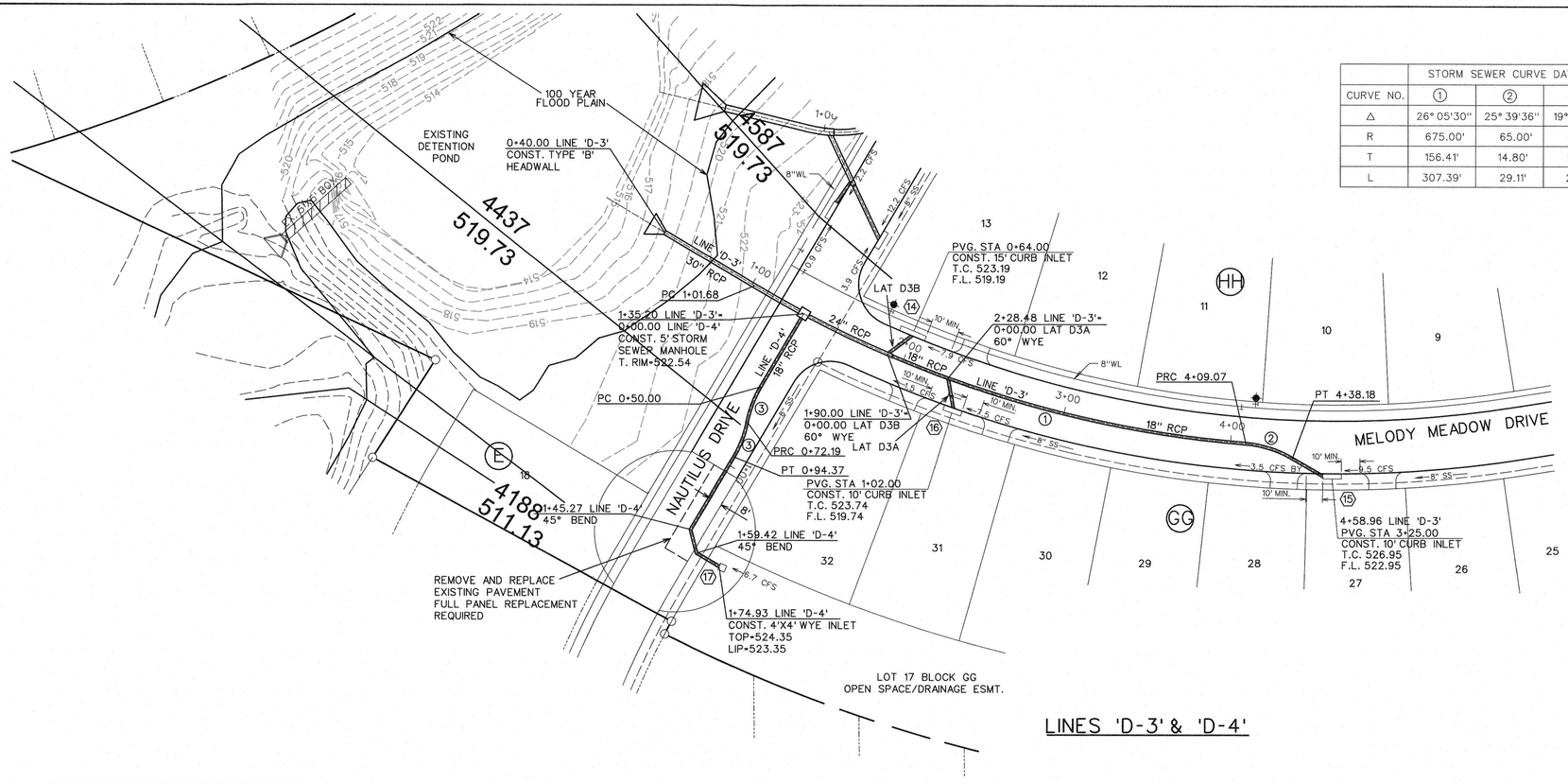
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINE 'D-2'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	20

19012sd2.dgn 12/16/2020 11:12:42 AM

STORM SEWER CURVE DATA			
CURVE NO.	1	2	3
Δ	26° 05'30"	25° 39'36"	19° 33'26"
R	675.00'	65.00'	65.00'
T	156.41'	14.80'	11.20'
L	307.39'	29.11'	22.19'



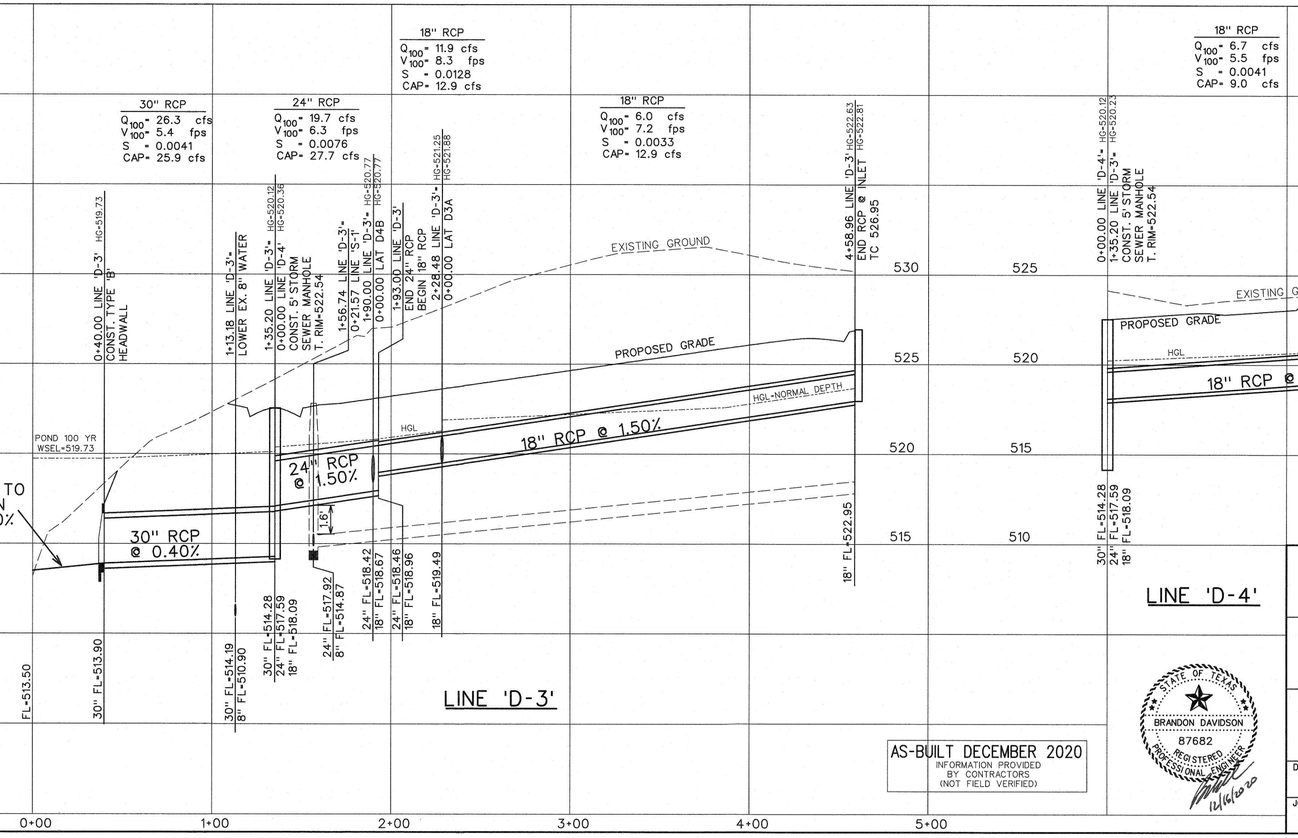
LINES 'D-3' & 'D-4'

N

0 20 40 80
SCALE: 1" = 40'

LEGEND

- (B) - BLOCK LABEL
- (19) - INLET NUMBER
- (1) - CURVE NUMBER
- SANITARY SEWER
- WATER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER



LINE 'D-3'

LINE 'D-4'

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
12/16/20

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

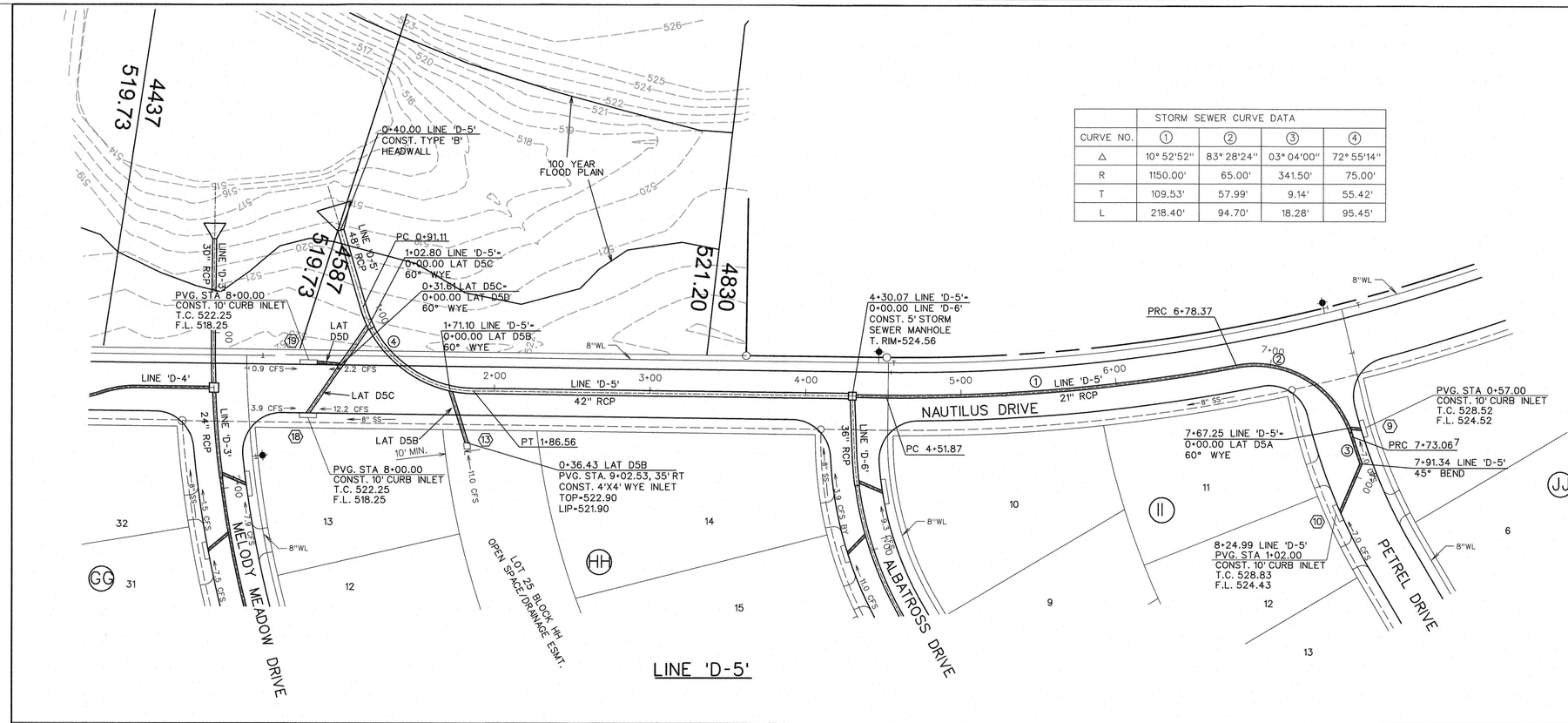
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

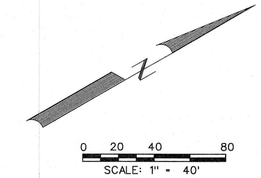
STORM SEWER PLAN AND PROFILE
LINES 'D-3' & 'D-4'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	21

19012sd3.dgn 12/16/2020 11:13:31 AM

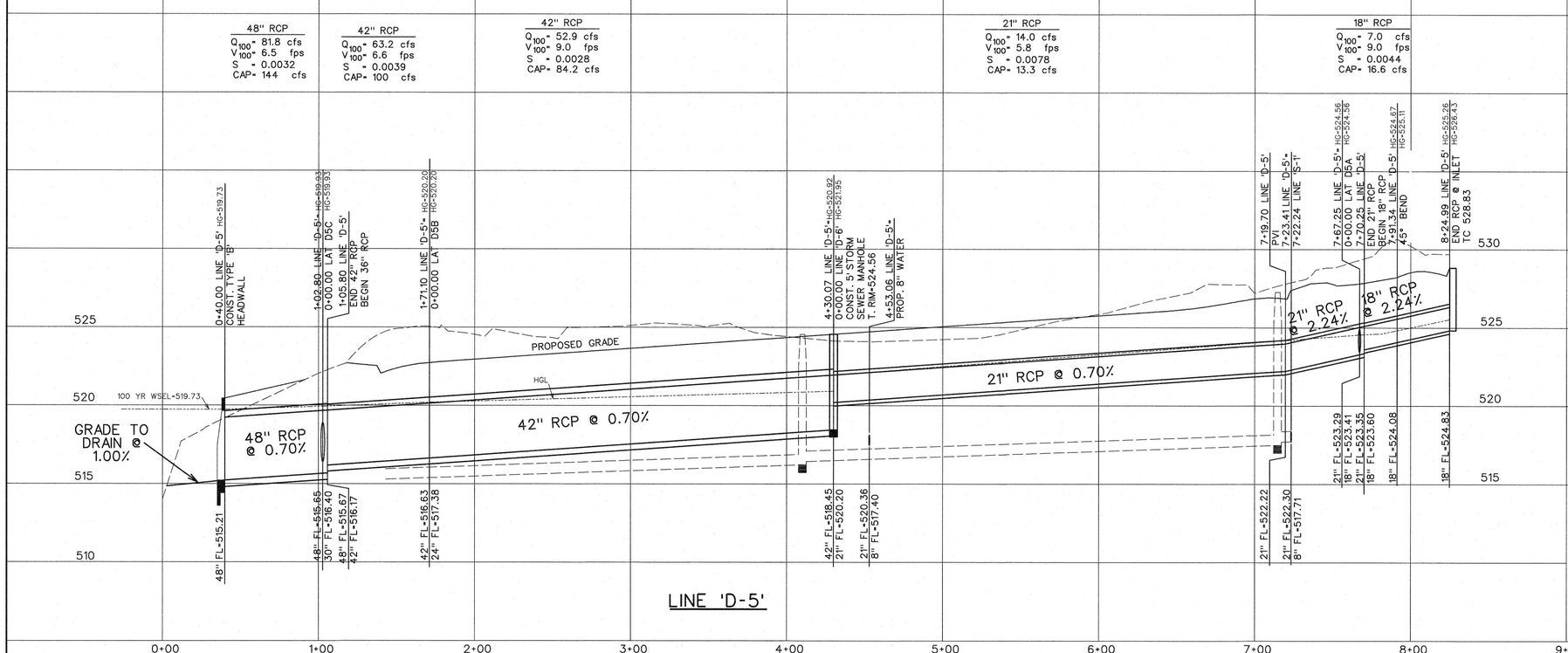
STORM SEWER CURVE DATA				
CURVE NO.	1	2	3	4
Δ	10° 52'52"	83° 28'24"	03° 04'00"	72° 55'14"
R	1150.00'	65.00'	341.50'	75.00'
T	109.53'	57.99'	9.14'	55.42'
L	218.40'	94.70'	18.28'	95.45'





LEGEND

- (B) - BLOCK LABEL
- (19) - INLET NUMBER
- (1) - CURVE NUMBER
- SANITARY SEWER
- WATER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER



AS-BUILT DECEMBER 2020
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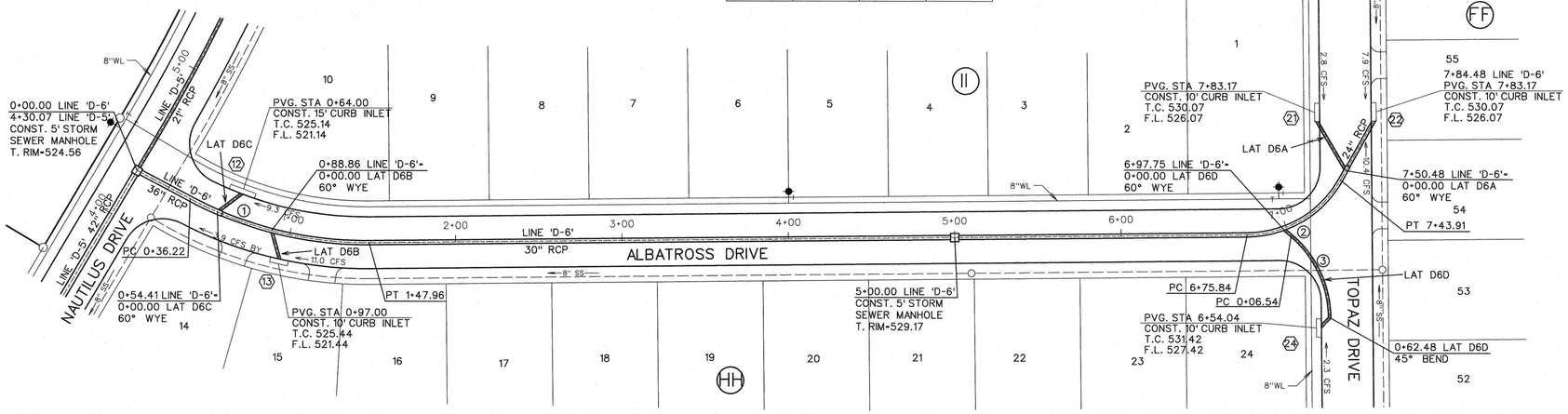
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINE 'D-5'

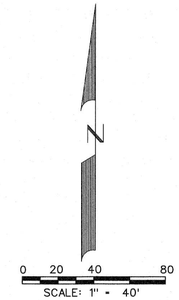
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	22

19012sd4.dgn 12/16/2020 11:14:33 AM

	STORM SEWER CURVE DATA		
CURVE NO.	1	2	3
Δ	28° 27'16"	60° 00'00"	49° 18'38"
R	225.00'	65.00'	65.00'
T	57.05'	37.53'	29.84'
L	111.74'	68.07'	55.94'

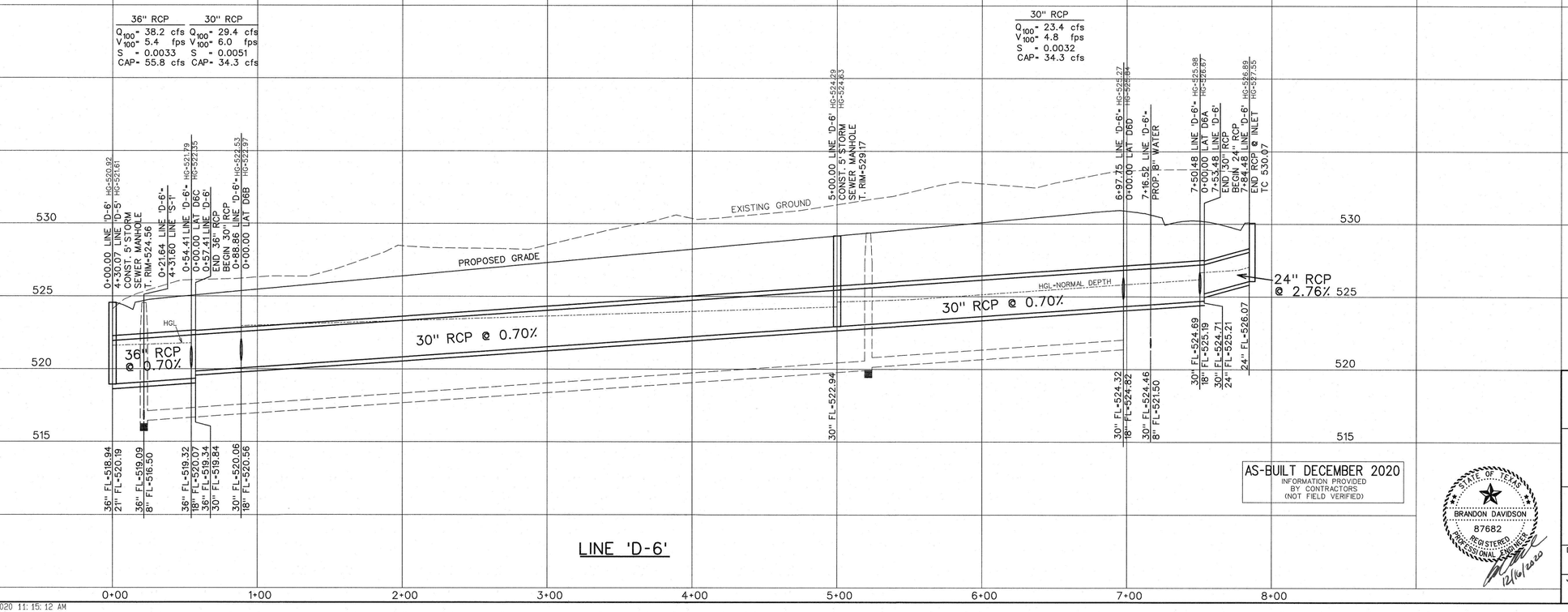


LINE 'D-6'



LEGEND

- (B) - BLOCK LABEL
- (19) - INLET NUMBER
- (1) - CURVE NUMBER
- SANITARY SEWER
- WATER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER



LINE 'D-6'

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

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12/16/2020

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ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINE 'D-6'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	23

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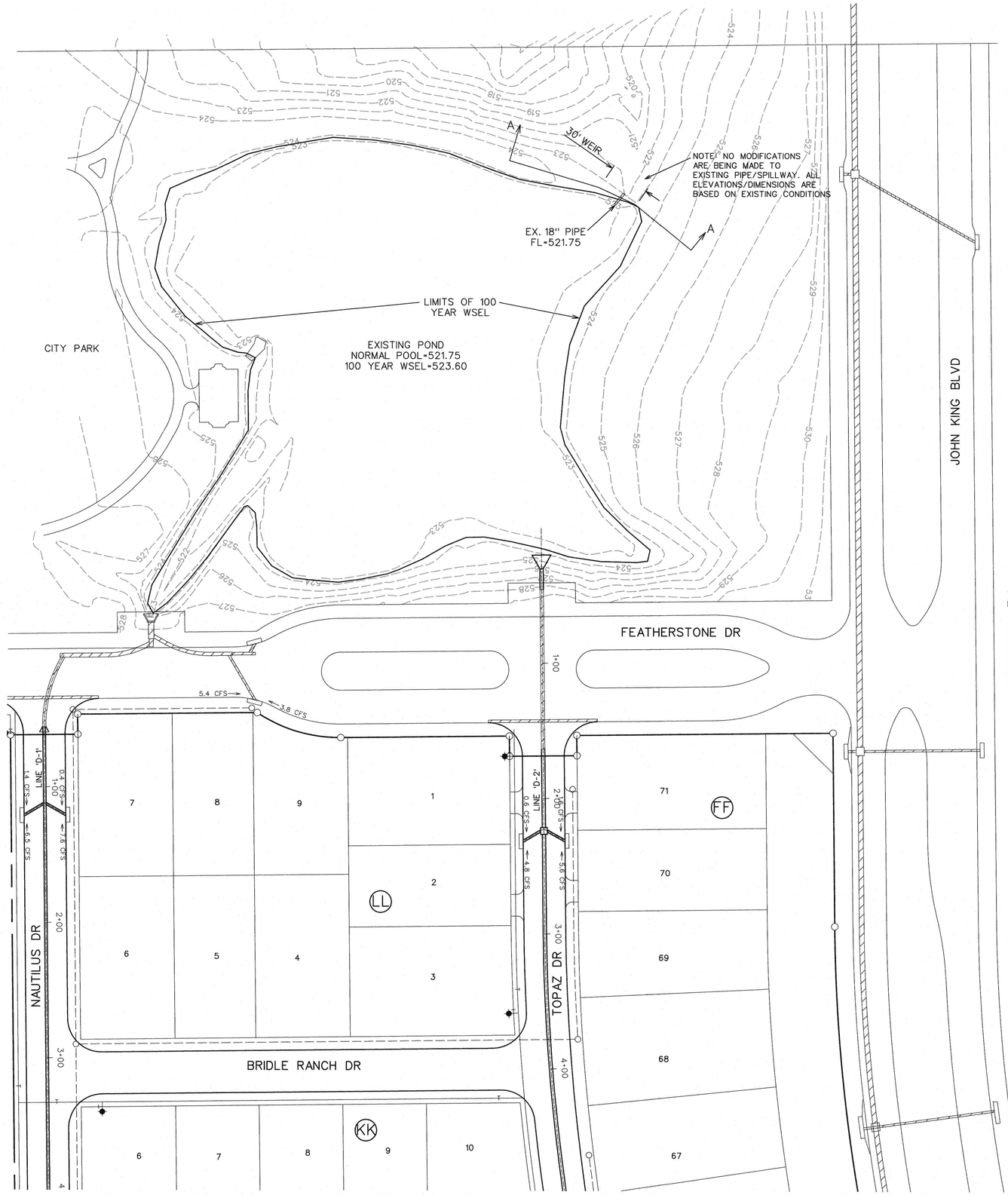


Stone Creek Phase 10 Existing Pond on City Park

5-Year Storm

Pre-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Existing Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Undeveloped (cfs)
EX1-EX4	920591	21.13	0.37	20	4.9	38.7
					Allowed Release=	**38.7**

Post-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Proposed Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Post Development (cfs)
1-8,22,EX1-2,3A	1020856	23.44	0.44	10	6.1	62.4
						62.4

10-Year storm

Pre-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Existing Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Undeveloped (cfs)
EX1-EX4	920591	21.13	0.37	20	5.9	46.6
					Allowed Release=	**46.6**

Post-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Proposed Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Post Development (cfs)
1-8,22,EX1-2,3A	1020856	23.44	0.44	10	7.1	72.6
						72.6

25-Year storm

Pre-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Existing Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Undeveloped (cfs)
EX1-EX4	920591	21.13	0.37	20	6.6	52.2
		21.13			Allowed Release=	**52.2**

Post-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Proposed Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Post Development (cfs)
1-8,22,EX1-2,3A	1020856	23.44	0.44	10	8.3	84.9
						84.9

50-Year storm

Pre-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Existing Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Undeveloped (cfs)
EX1-EX4	920591	21.13	0.37	20	7.5	59.3
						59.3

Post-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Proposed Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Post Development (cfs)
1-8,22,EX1-2,3A	1020856	23.44	0.44	10	9	92.1
					Allowed Release=	**52.1**

100-Year storm

Pre-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Existing Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Undeveloped (cfs)
EX1-EX4	920591	21.13	0.37	20	8.3	65.6
					Allowed Release=	**65.6**

Post-Project Runoff Calculations

Area #	Area (sf)	Area (acres)	Proposed Runoff Coefficient	Tc - Existing (min)	Rainfall Intensity (in/hr)	Q - Post Development (cfs)
1-8,22,EX1-2,3A	1020856	23.44	0.44	10	9.8	100.2
						100.2

Stage-Discharge Table Orifice 1 - 18" Pipe Weir - 30' wide @ 523.25

Stage	Orifice 1 H	Orifice 1 Area	Orifice 1 Discharge	Weir Length	Depth of Flow Over Weir	Weir Discharge	Total Actual Discharge	Total Allowable Discharge	Above Allowable (Below)	Storm Event
521.75	0	0	0			0.0	0.0			
522.00	0.13	0.19	0.3			0.0	0.3			
523.35	0.80	0.83	2.7	30.0	0.1	2.6	5.4	38.7	(33.3)	5-year
523.49	0.87	0.72	3.2	30.0	0.2	9.5	12.7	46.6	(33.9)	10-year
523.50	0.88	0.88	3.8	30.0	0.3	10.0	13.8	52.2	(38.24)	25-year
523.56	0.90	1.05	4.8	30.0	0.3	13.6	18.4	59.3	(40.8)	50-year
523.61	0.93	1.18	5.5	30.0	0.4	17.0	22.5	65.6	(43.08)	100-year
524.00	1.13	1.57	8.0	30.0	0.8	51.2	59.3			
524.30	1.27	1.77	9.8	30.0	1.0	84.9	94.5			
524.60	1.43	1.77	10.2	30.0	1.4	123.8	133.9			

THE STAGE-DISCHARGE TABLE IS BASED ON THE EXISTING PIPE OUTFALL AND POND SPILLWAY

Elevation Calculations

Event	Maximum Release Rate	Storage Requirement	Occurs at Elevation
5-year	5.4	103499	523.35
10-year	12.7	114488	523.49
25-year	13.8	115915	523.50
50-year	18.4	129123	523.56
100-year	22.5	132482	523.61

Elevation-Storage Table

Elevation	Volume (cf)
521.75	0
522.00	7950
523.00	74984
524.00	156090
524.60	216915

ELEVATION-STORAGE TABLE IS BASED ON EXISTING POND

DETENTION STORAGE CALCULATIONS -5 Year

Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "Kf"	Future "CA"	Rainfall intensity	Inflow (cfs)	Inflow Volume (cubic ft.)	Inflow Volume (cubic ft.)	Outflow Volume (cubic ft.)	Outflow Volume (acre-ft.)	Outflow (cfs)
10	30	23.44	0.44	1.00	10.23	6.10	62.4	37435	4830	**32605**	**0.75**	5.4
20	40	23.44	0.44	1.00	10.23	4.90	50.1	60141	6440	**53702**	**1.23**	5.4
30	50	23.44	0.44	1.00	10.23	4.10	41.9	75484	8049	**67434**	**1.55**	5.4
40	60	23.44	0.44	1.00	10.23	3.40	34.8	83861	9659	**73802**	**1.69**	5.4
50	70	23.44	0.44	1.00	10.23	2.80	28.6	85916	11269	**74647**	**1.71**	5.4
60	80	23.44	0.44	1.00	10.23	2.60	26.6	95735	12879	**82856**	**1.90**	5.4
70	90	23.44	0.44	1.00	10.23	2.40	24.5	103099	14489	**88611**	**2.03**	5.4
80	100	23.44	0.44	1.00	10.23	2.30	23.5	112918	16099	**96820**	**2.22**	5.4
90	110	23.44	0.44	1.00	10.23	2.10	21.5	115987	17709	**98278**	**2.26**	5.4
100	120	23.44	0.44	1.00	10.23	1.90	19.4	116601	19319	**97282**	**2.23**	5.4
110	130	23.44	0.44	1.00	10.23	1.80	18.4	121510	20928	**100582**	**2.31**	5.4
120	140	23.44	0.44	1.00	10.23	1.70	17.4	125192	22538	**102654**	**2.36**	5.4
130	150	23.44	0.44	1.00	10.23	1.60	16.4	127647	24148	**103499**	**2.38**	5.4
140	160	23.44	0.44	1.00	10.23	1.50	15.3	128874	25758	**103116**	**2.37**	5.4
150	170	23.44	0.44	1.00	10.23	1.40	14.3	128874	27368	**101506**	**2.33**	5.4
										103499		

DETENTION STORAGE CALCULATIONS - 10 Year

Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "Kf"	Future "CA"	Rainfall intensity	Inflow (cfs)	Inflow Volume (cubic ft.)	Inflow Volume (cubic ft.)	Outflow Volume (cubic ft.)	Outflow Volume (acre-ft.)	Outflow (cfs)
10	20	23.44	0.44	1.00	10.23	7.10	72.6	43572	7848	**35725**	**0.82**	12.7
20	30	23.44	0.44	1.00	10.23	5.90	60.3	72415	11489	**60946**	**1.40**	12.7
30	40	23.44	0.44	1.00	10.23	4.80	49.1	88371	15292	**73079**	**1.68**	12.7
40	50	23.44	0.44	1.00	10.23	4.00	40.9	98190	19115	**79075**	**1.82**	12.7
50	60	23.44	0.44	1.00	10.23	3.50	35.8	107995	22938	**84457**	**1.94**	12.7
60	70	23.44	0.44	1.00	10.23	3.00	30.7	110464	26761	**83703**	**1.92**	12.7
70	80	23.44	0.44	1.00	10.23	2.80	28.6	120283	30584	**89699**	**2.06**	12.7
80	90	23.44	0.44	1.00	10.23	2.60	26.6	127847	34407	**93240**	**2.14**	12.7
90	100	23.44	0.44	1.00	10.23	2.50	25.6	138090	38230	**99860**	**2.29**	12.7
100	110	23.44	0.44	1.00	10.23	2.40	24.5	147285	42053	**105232**	**2.42**	12.7
110	120	23.44	0.44	1.00	10.23	2.30	23.5	155283	45876	**109387**	**2.51**	12.7
120	130	23.44	0.44	1.00	10.23	2.20	22.5	162013	49699	**112315**	**2.58**	12.7
130	140	23.44	0.44	1.00	10.23	2.10	21.5	167537	53522	**114015**	**2.62**	12.7
140	150	23.44	0.44	1.00	10.23	2.00	20.5	171832	57345	**114488**	**2.63**	12.7
150	160	23.44	0.44	1.00	10.23	1.90	19.4	174901	61168	**113733**	**2.61**	12.7
										114488		

DETENTION STORAGE CALCULATIONS -25 Year

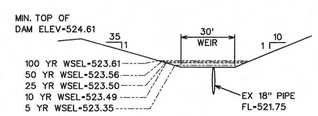
Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "Kf"	Future "CA"	Rainfall intensity	Inflow (cfs)	Inflow Volume (cubic ft.)	Inflow Volume (cubic ft.)	Outflow Volume (cubic ft.)	Outflow Volume (acre-ft.)	Outflow (cfs)
10	30	23.44	0.44	1.00	10.23	8.30	84.9	50936	12445	**38491**	**0.88**	13.8
20	40	23.44	0.44	1.00	10.23	6.60	67.5	81007	16593	**64413**	**1.48**	13.8
30	50	23.44	0.44	1.00	10.23	5.50	56.3	101258	20742	**80517**	**1.85**	13.8
40	60	23.44	0.44	1.00	10.23	4.60	47.0	112918	24890	**88028**	**2.02**	13.8
50	70	23.44	0.44	1.00	10.23	4.00	40.9	122737	29039	**93698**	**2.15**	13.8
60	80	23.44	0.44	1.00	10.23	3.50	35.8	128874	33187	**95687**	**2.20**	13.8
70	90	23.44	0.44	1.00	10.23	3.30	33.8	141762	37335	**104426**	**2.40**	13.8
80	100	23.44	0.44	1.00	10.23	3.10	31.7	152196	41484	**110711**	**2.54**	13.8
90	110	23.44	0.44	1.00	10.23	2.90	29.7	160172	45632	**114540**	**2.63**	13.8
100	120	23.44	0.44	1.00	10.23	2.70	27.6	165896	49780	**115915**	**2.66**	13.8
110	130	23.44	0.44	1.00	10.23	2.50	25.6	169764	53929	**114835**	**2.64**	13.8
120	140	23.44	0.44	1.00	10.23	2.30	23.5	169276	58077	**111201**	**2.55**	13.8
130	150	23.44	0.44	1.00	10.23	2.15	22.0	171526	62226	**109300**	**2.51**	13.8
140	160	23.44	0.44	1.00	10.23	2.00	20.5	171832	66374	**105459**	**2.42**	13.8
150	170	23.44	0.44	1.00	10.23	1.85	18.9	170298	70522	**99776**	**2.29**	13.8
										115915		

DETENTION STORAGE CALCULATIONS -50 Year

Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "Kf"	Future "CA"	Rainfall intensity	Inflow (cfs)	Inflow Volume (cubic ft.)	Inflow Volume (cubic ft.)	Outflow Volume (cubic ft.)	Outflow Volume (acre-ft.)	Outflow (cfs)
10	30	23.44	0.44	1.00	10.23	9.00	92.1	55232	16516	**38716**	**0.89**	18.4
20	40	23.44	0.44	1.00	10.23	7.50	76.7	92053	22022	**70031**	**1.61**	18.4
30	50	23.44	0.44	1.00	10.23	6.10	62.4	112306	27527	**84779**	**1.95**	18.4
40	60	23.44	0.44	1.00	10.23	5.20	53.2	127847	33033	**94814**	**2.17**	18.4
50	70	23.44	0.44	1.00	10.23	4.50	46.0	138090	38538	**99552**	**2.29**	18.4
60	80	23.44	0.44	1.00	10.23	3.90	39.9	143603	44043	**99559**	**2.29**	18.4
70	90	23.44	0.44	1.00	10.23	3.70	37.8	158845	49549	**109296**	**2.51**	18.4
80	100	23.44	0.44	1.00	10.23	3.50	35.8	171832	55054	**116778**	**2.68**	18.4
90	110	23.44	0.44	1.00	10.23	3.30	33.8	182265	60560	**121705**	**2.79**	18.4
100	120	23.44	0.44	1.00	10.23	3.00	30.7	184106	66065	**118041**	**2.71**	18.4
110	130	23.44	0.44	1.00	10.23	2.90	29.7	196798	71571	**124196**	**2.85**	18.4
120	140	23.44	0.44	1.00	10.23	2.80	28.6	206199	77076	**129123**	**2.96**	18.4
130	150	23.44	0.44	1.00	10.23	2.65	27.1	211415	82582	**128834**	**2.96**	18.4
140	160	23.44	0.44	1.00	10.23	2.50	25.6	214791	88087	**126704**	**2.91**	18.4
150	170	23.44	0.44	1.00	10.23	2.35	24.0	216325	93592	**122732**	**2.82**	18.4
										129123		

DETENTION STORAGE CALCULATIONS - 100 Year

Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "Kf"	Future "CA"	Rainfall intensity	Inflow (cfs)	Inflow Volume (cubic ft.)	Inflow Volume (cubic ft.)	Outflow Volume (cubic ft.)	Outflow Volume (acre-ft.)	Outflow (cfs)
10	30	23.44	0.44	1.00	10.23	9.80	100.2	60141	20289	**39872**	**0.92**	22.5
20	40	23.44	0.44	1.00	10.23	8.30	84.9	101872	27026	**74846**	**1.72**	22.5
30	50	23.44	0.44	1.00	10.23	6.90	70.8	127033	33762	**93271**	**2.14**	22.5
40	60	23.44	0.44	1.00	10.23	5.80	59.3	142275	40539	**101837**	**2.34**	22.5
50	70	23.44	0.44	1.00	10.23	5.00	51.1	153422	47295	**106126**	**2.44**	22.5
60	80	23.44	0.44	1.00	10.23	4.50	46.0	165896	54052	**111844**	**2.56**	22.5
70	90	23.44	0.44	1.00	10.23	4.00	40.9	171832	60808	**111024**	**2.55**	22.5
80	100	23.44	0.44	1.00	10.23	3.70	37.8	181651	67565	**114087**	**2.62**	22.5
90	110	23.44	0.44	1.00	10.23	3.50	35.8	193311	74321	**118990**	**2.73**	22.5
100	120	23.44	0.44	1.00	10.23	3.40	34.8	208854	81078	**127776**	**2.93**	22.5
110	130	23.44	0.44	1.00	10.23	3.20	32.7	216018	87834	**128184**	**2.94**	22.5
120	140	23.44	0.44	1.00	10.23	3.00	30.7	220927	94591	**126337**	**2.90**	22.5
130	150	23.44	0.44	1.00	10.23	2.90	29.7	231360	101347	**130013**	**2.98**	22.5
140	160	23.44	0.44	1.00	10.23	2.80	28.6	240965	108104	**132862**	**3.04**	22.5
150	170	23.44	0.44	1.00	10.23	2.60	26.6	239338	114860	**124478**	**2.86**	22.5
										132862	**3.04**	



CROSS SECTION 'A-A'

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
12/16/2020

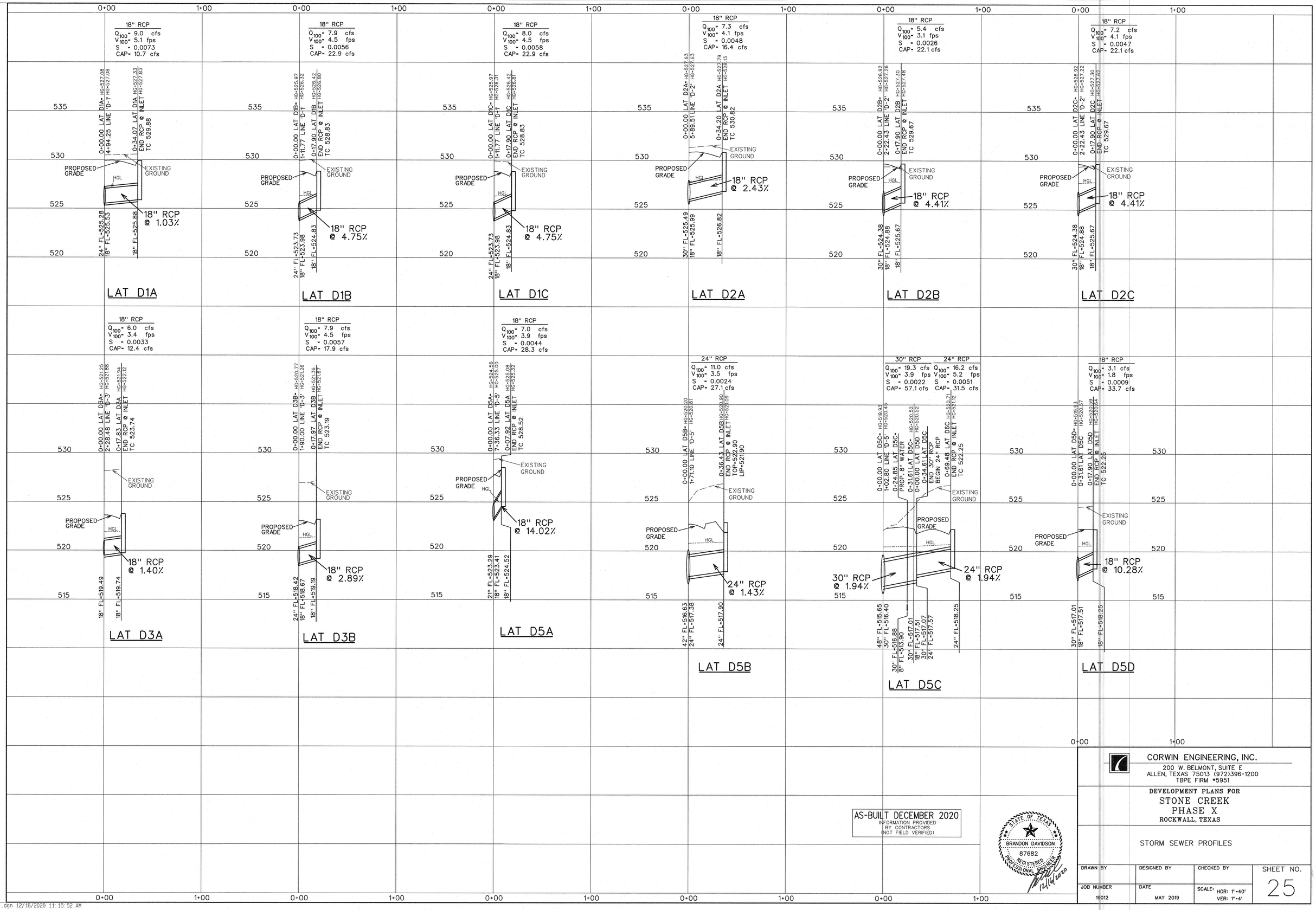
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

EXISTING POND ANALYSIS

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	24

19012pond.dgn 12/16/2020 11:10:55 AM



AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
12/16/2020

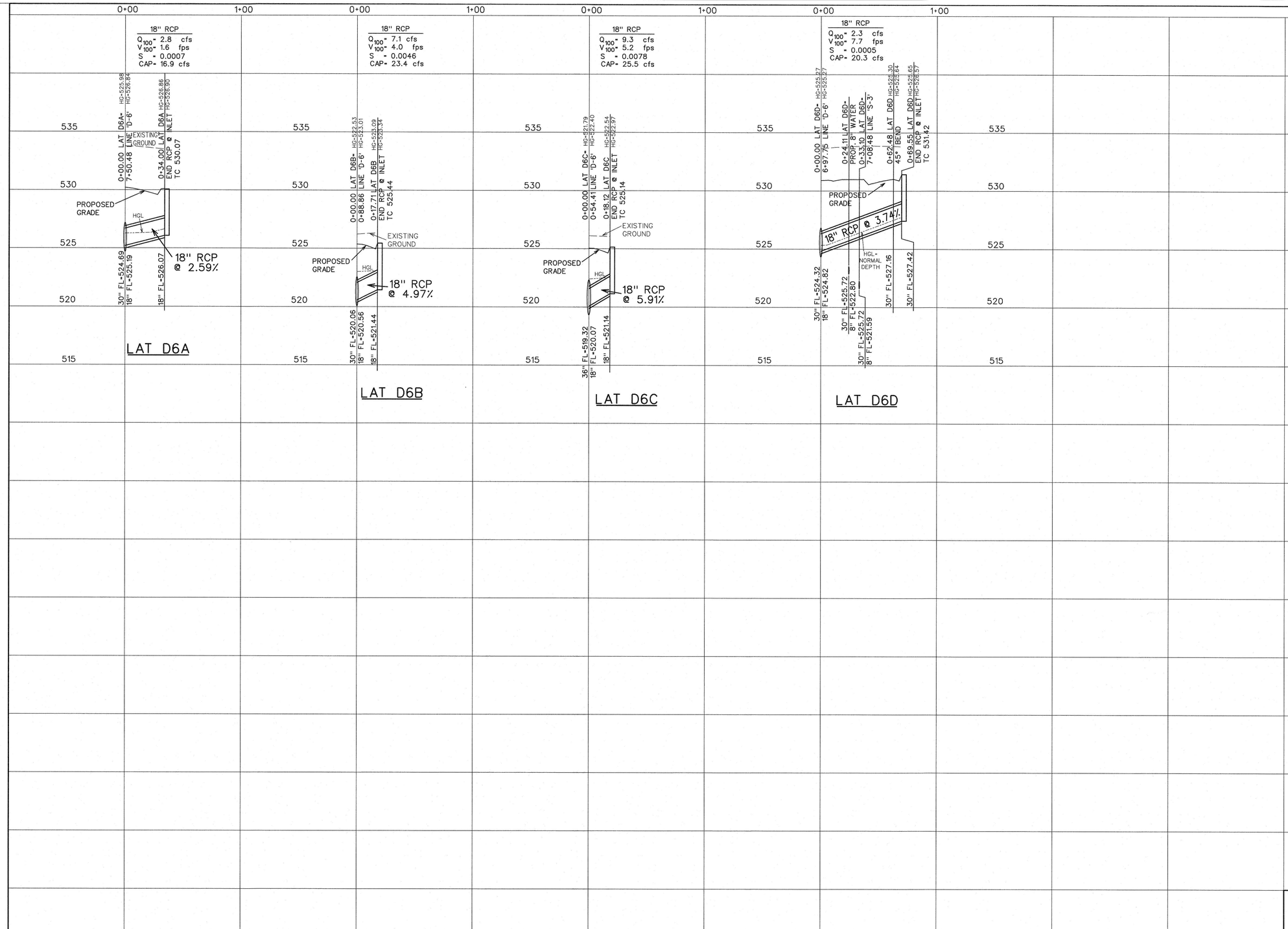
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

STORM SEWER PROFILES

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	25

19012sdprof.dgn 12/16/2020 11:15:52 AM



AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
12/16/2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

STORM SEWER PROFILES

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: HOR: 1"=40' VER: 1"=4'	26

19012sdprof2.dgn 12/16/2020 11:16:29 AM

NO SLOPES GREATER THAN 4:1 ALLOWED WITHOUT A RETAINING WALL

NOTE:

RETAINING WALLS 3' IN HEIGHT AND OVER NEED A ENGINEERED SEALED PLAN. (PLANS TO BE SUBMITTED PRIOR TO ENGINEERING APPROVAL)

LEGEND

SPOT ELEVATION	706.2
EXIST. CONTOUR	—700—
PROP. CONTOUR	—704—
RETAINING WALL	- - - - - -
HIGH POINT	HP
TOP OF WALL GRADE	T706.2
BOTTOM OF WALL GRADE	B706.2

NOTES:

1. Finish Floor Elevation to be 0.70 Feet above Finished Pad.(FP)
2. Additional Erosion Control to be installed in Parkways as determined by the City Inspector.
3. Finished Pad Elevations are within ± 0.3 Feet.
4. All fill compacted to min 95% std. density using sheeps foot roller.
5. All portions of the wall to be on one lot. Do not install on property line or in easements or right of way.
6. All R.O.W. to be ¼" per foot.

BENCHMARK:

CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR.
ELEV.- 525.31

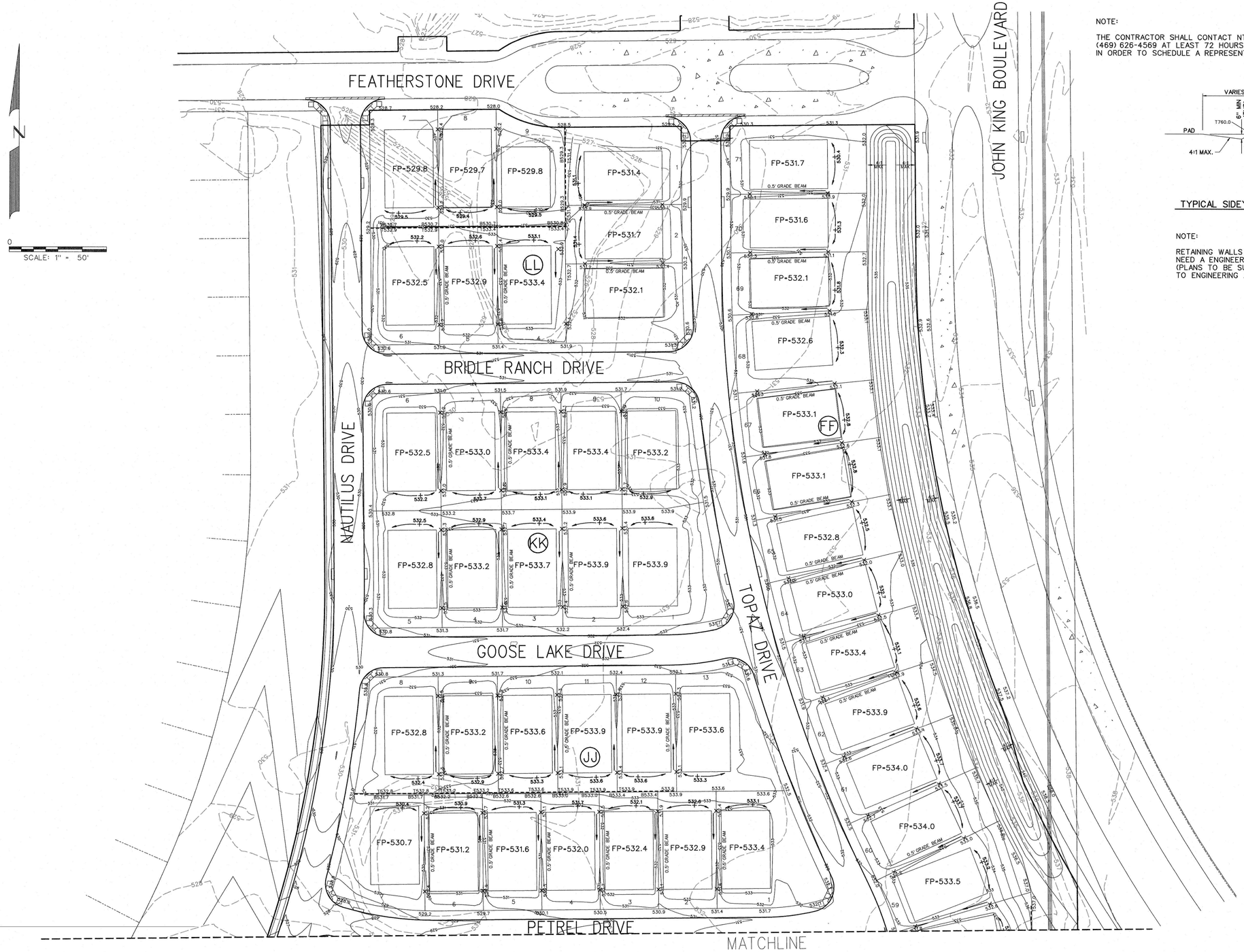
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

GRADING PLAN

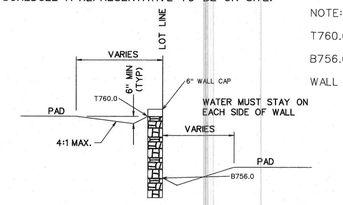
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
			27
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=50'	

19012_grade1.dgn 12/16/2020 10:13:27 AM



NOTE:

THE CONTRACTOR SHALL CONTACT NTMWD LINE LOCATES AT (469) 626-4569 AT LEAST 72 HOURS PRIOR TO WORKING IN EASEMENT IN ORDER TO SCHEDULE A REPRESENTATIVE TO BE ON SITE.



TYPICAL SIDEYARD RETAINING WALL

N.T.S.

NOTE:

RETAINING WALLS 3' IN HEIGHT AND OVER NEED A ENGINEERED SEALED PLAN. (PLANS TO BE SUBMITTED PRIOR TO ENGINEERING APPROVAL)

NOTE:

T760.0 - GRADE SHOWN AT WALL TOP

B756.0 - GRADE SHOWN AT WALL BOTTOM

WALL CAP SHALL BE 6" ABOVE SHOWN WALL TOP.

LEGEND

SPOT ELEVATION	706.2
EXIST. CONTOUR	700
PROP. CONTOUR	704
RETAINING WALL	
HIGH POINT	HP
TOP OF WALL GRADE	T706.2
BOTTOM OF WALL GRADE	B706.2

NOTES:

1. Finish Floor Elevation to be 0.70 Feet above Finished Pad.(FP)
2. Additional Erosion Control to be installed in Parkways as determined by the City Inspector.
3. Finished Pad Elevations are within ± 0.3 Feet.
4. All fill compacted to min 95% std. density using sheeps foot roller.
5. All portions of the wall to be on one lot. Do not install on property line or in easements or right of way.
6. All R.O.W. to be 1/4" per foot.

NO SLOPES GREATER THAN 4:1 ALLOWED WITHOUT A RETAINING WALL

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

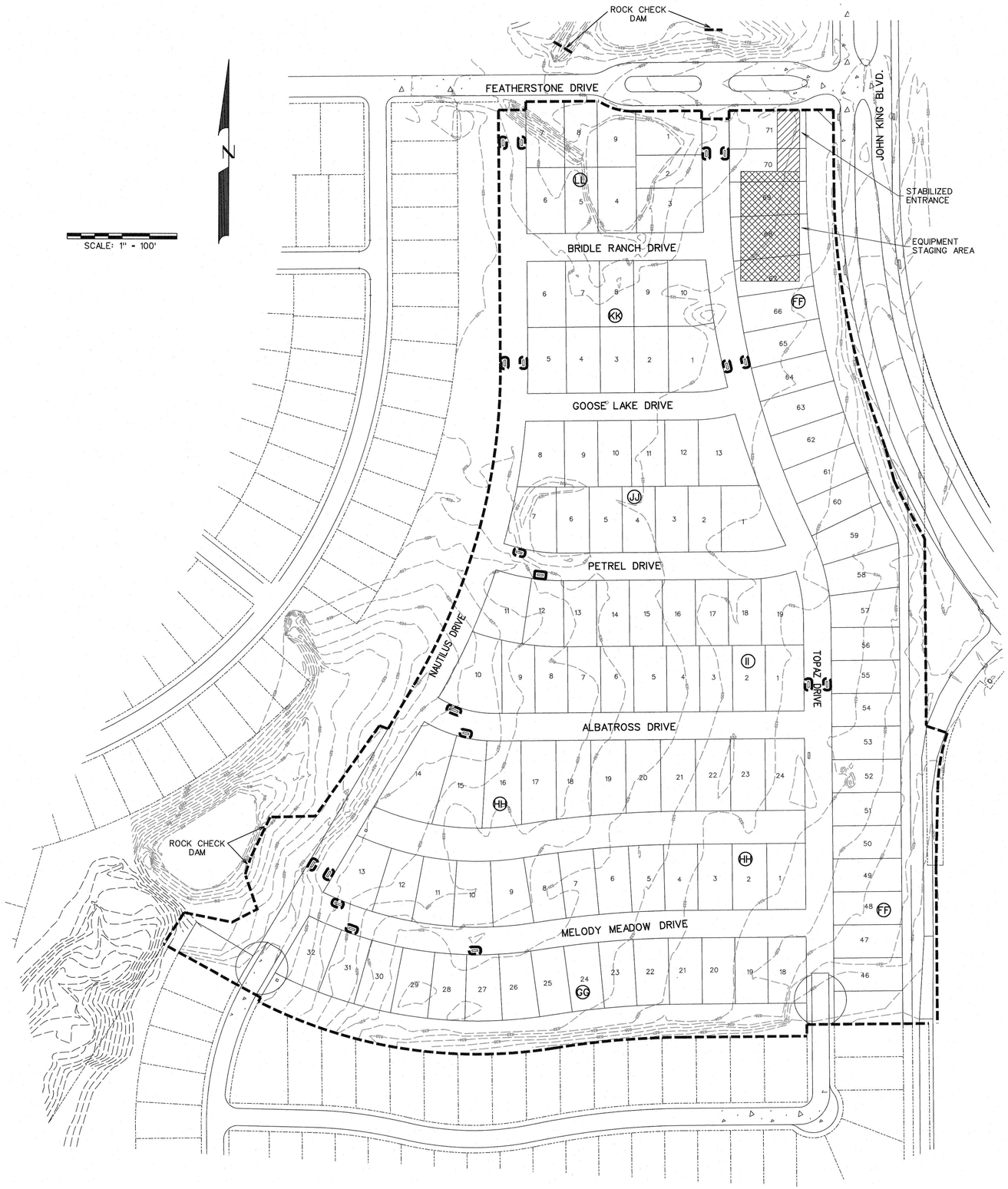
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

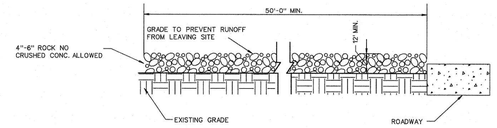
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

GRADING PLAN

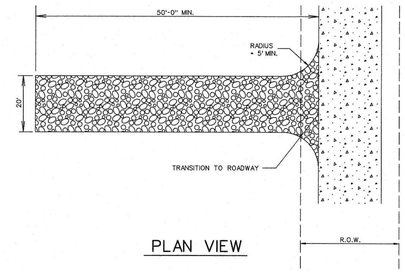
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=50'	28

19012_grade2.dgn 12/16/2020 10:14:08 AM





PROFILE

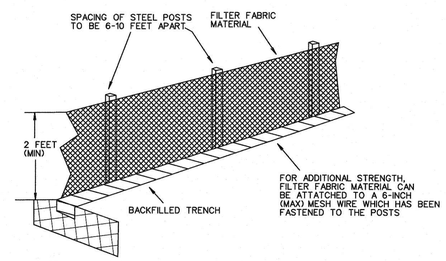


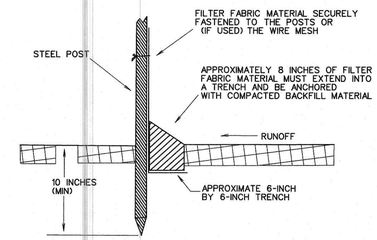
PLAN VIEW

STABILIZED ENTRANCE DETAIL

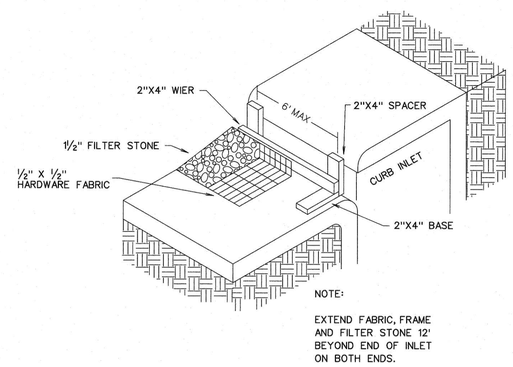
CONSTRUCTION SEQUENCE

1. GRADING CONTRACTOR TO INSTALL TEMPORARY STABILIZED ENTRANCE.
2. INSTALL SILT FENCE AS SHOWN, (TS-600 POLY FELT) PER C.O.G. SPECIFICATIONS.
3. PERFORM GRADING AND UTILITY CONSTRUCTION.
4. AFTER THE INLET BOTTOMS ARE CONSTRUCTED, THE INLETS SHALL BE FILLED WITH STONE AND COVERED WITH A FILTER FABRIC (TS-600 POLY FELT OR EQUIVALENT) BY UTILITY CONTRACTOR.
5. PRIOR TO CITY RELEASING PAVING, SOD OR SEEDED CURLEX SHALL BE INSTALLED ON SIDES AND BOTTOM OF ALL DETENTION PONDS.
6. AFTER PAVING AND COMPLETION OF INLETS, INLET FILTERS SHALL BE INSTALLED IN ALL INLETS AND MAINTAINED UNTIL RE-VEGETATION HAS BEEN COMPLETED BY PAVING CONTRACTOR.
7. SILT FENCE SHALL REMAIN IN PLACE UNTIL RE-VEGETATION HAS BEEN COMPLETED.
8. PAVING CONTRACTOR SHALL REMOVE TEMPORARY STABILIZED ENTRANCE.
9. PRIOR TO CITY ACCEPTANCE THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY MUD OR SILT WHICH COLLECTS ON THE EXISTING AND NEW PAVEMENT.
10. PRIOR TO CITY ACCEPTANCE 75-80% OF ALL DISTURBED AREA SHALL HAVE A MIN. 1" TALL GRASS ESTABLISHED
11. 75-80% OF ALL DISTURBED AREA TO HAVE 1" HIGH GRASS ESTABLISHED PRIOR TO ENGINEERING ACCEPTANCE.
12. ALL BAR DITCHES TO BE ANCHORED, SEEDED & CURLEXED PRIOR TO ACCEPTANCE OF GRASS ISN'T ESTABLISHED.

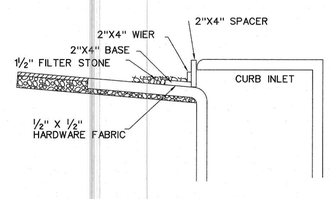




FILTER FABRIC FENCE DETAIL



TYPE B CURB INLET PROTECTION



INLET SECTION

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

LEGEND

SILT FENCE (BEFORE CONSTRUCTION)

INLET PROTECTION

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
12-16-2020

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

EROSION CONTROL PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=100'	29

19012_eros.dgn 12/16/2020 10:11:13 AM

The developer shall arrange for the installation of all pavement striping, regulatory, warning and guide signs, including posts, as shown on the plans or as directed by the City. Street name signs shall be installed at each intersection. Examples of regulatory, warning, information and guide signs are as follows:

-Regulatory signs shall include, but are not limited to, STOP, ALL-WAY, YIELD, KEEP RIGHT and speed limit signs.

-Warning signs shall include, but are not limited to, DEAD END, NO OUTLET, DIVIDED ROAD, DIP, and PAVEMENT ENDS.

-Guide signals shall include, but are not limited to, street name signs, DETOUR, direction arrow and advance arrow.

Regulatory signs should be used only where justified by engineering judgment or study. All signage plans shall be reviewed and approved by the City of Rockwall Engineering Department and be designed in accordance with the principles described in the current TMUTCD,

-A detailed street and regulatory signage plan is to be submitted to the City of Rockwall Engineering Department. All signs shall be shown in the engineering plans for review and approval. The signage plan shall be shown on a separate signage & pavement marking layout sheet or as a part of the plan & profile sheet. The plan shall identify the specific sign designation, size and location for each sign. Sign standards shall also be included in the engineering plans.

-All signage installed shall comply with the current" Texas Manual on Uniform Traffic Control Devices" and the" Standard Highway Sign Designs for Texas." The sign layout drawings shall show the color and dimensions of all sign face legend components including background color, legend color, borders, symbols, letter size and style.

-The developer shall be responsible for furnishing and installing all regulatory signage, warning signage and street name signage along with all necessary sign mounts in accordance with the approved engineering plans. A sample production sign shall be submitted to the Traffic Signs & Pavement Markings Supervisor for review and approval. The sample shall be directed to the City of Rockwall Service Center located at 1600 Airport Road, Rockwall Texas 75087. The sample sign must be submitted at least 10 days prior to the scheduled installation date.

-For a street with a cul-de-sac end, a standard W 14-2a shall be mounted over the street name blade, if the cul-de-sac is not clearly visible from the adjoining roadway, or is located in excess of 400 linear feet from the adjoining roadway.

-Sign posts shall be 2⅜ O.D. galvanized steel tube sign post with a galvanized finish.

-Sign clamps and brackets shall be high strength aluminum.

-Any decorative sign poles and fixtures installed shall be maintained by the HOA.

All developments shall be provided with streetlights. In general, lights should be located at street intersections and at intervals no greater than four hundred (400) feet apart. Streetlights should be the equivalent of 175-watt mercury vapor fixtures on minor residential streets. All collector and arterial, or commercial streets shall have sodium vapor fixtures with a minimum wattage of 250 or 400 watts as directed by the City. In some instances, the City may require greater wattage.

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

LEGEND
- STREET LIGHT
- STOP SIGN
- STREET NAME BLADE

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

SIGN AND LIGHT PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=100'	30

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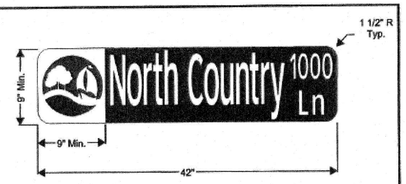
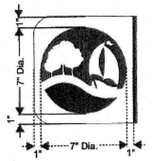
Street Name Blades





Rockwall Logo Detail

NOT TO SCALE

Notes:
1. Street name blades shall consist of white SCOTCHLITE 3930 High Intensity Prismatic Material, digitally printed using HP Latex 360 or higher.
   Green: Pantone 335C with overlay CMYK 100-0-20-0 set to darken.
   Blue: Pantone 287C.
2. Lettering to be composed of a combination of upper and lowercase letters, with initial uppercase letters. Font to be Clearview TCAD-1w with uppercase to be 6" Min. height and lowercase to be 4.5" Min. height. The N, S, E, and W designations, if required, shall be uppercase 4.5" Min. height preceding the street name. No more than 65% compression on font width.
3. Lettering for street designations and block numbers to be composed of initial uppercase letters at least 3" Min. height and lower-case letters at least 2.25" Min. height. Street designations shall consist of St, Ln, Dr, Blvd, Way, Ct, Cir, Trace, Trl, Ave, Rd, Pkwy, and Pl.
4. Sign post to be 2 3/8" O.D. galvanized steel tube sign pole.
5. All street signs shall be approved by Rockwall Streets Division prior to manufacture.
6. Any variation from this Street Sign detail must be approved by Rockwall Streets Division prior to manufacture.

STREET SIGN DETAIL

NOT TO SCALE

STREET REGULATORY SIGNAGE	CITY OF ROCKWALL	DATE	DRAWING NO.
TYPICAL STREET SIGN DETAIL		May 2018	R-2300

Street Department — City of Rockwall *Site of New Horizons* — **Public Works**

Street and Regulatory Signage

The developer shall arrange for the installation of all pavement striping, regulatory, warning and guide signs, including posts, as shown on the plans or as directed by the City. Street name signs shall be installed at each intersection. Examples of regulatory, warning, information and guide signs are as follows:

- Regulatory signs shall include, but are not limited to, STOP, ALL-WAY, YIELD, KEEP RIGHT and speed limit signs.
- Warning signs shall include, but are not limited to, DEAD END, NO OUTLET, DIVIDED ROAD, DIP, and PAVEMENT ENDS.
- Guide signals shall include, but are not limited to, street name signs, DETOUR, direction arrow and advance arrow.

Regulatory signs should be used only where justified by engineering judgment or study. All signage plans shall be reviewed and approved by the City of Rockwall Engineering Department and be designed in accordance with the principles described in the current TMUTCD.

- A detailed street and regulatory signage plan is to be submitted to the City of Rockwall Engineering Department. All signs shall be shown in the engineering plans for review and approval. The plan shall identify the specific sign designation, size and location for each sign. The plans shall also identify the type of post/poles and assemblies to be used. Sign standards shall also be included in the engineering plans.
- All signage installed shall comply with the current "*Texas Manual on Uniform Traffic Control Devices*" and the "*Standard Highway Sign Designs for Texas.*" The sign layout drawings shall show the color and dimensions of all sign face legend components including background color, legend color, borders, symbols, letter size and style.
- For a street with a cul-de-sac end, a standard W 14-2a shall be mounted over the street name blade, if the cul-de-sac is not clearly visible from the adjoining roadway, or is located in excess of 400 linear feet from the adjoining roadway.
- Sign posts shall be 2 3/8 O.D. galvanized steel tube sign post with a galvanized finish.
- Sign clamps and brackets shall be high strength aluminum.

Decorative Sign Poles and Fixtures – The City of Rockwall maintains Standard Street and regulatory sign post installed on public streets within its designated right-of-ways. These standard poles are 2 3/8 O.D. galvanized steel tube sign post with a galvanized finish. In such cases where the developer elects to install non standard decorative sign poles, the ownership and maintenance of all such poles, fixtures and associated hardware become the maintenance responsibility of the Homeowners Association and shall be so stated on the subdivision plat. The decorative pole, assemblies, base and anchoring details are to be submitted to and approved by the City of Rockwall prior to installation.

Street Name Blades

- Street name sign blades shall be double-sided with rounded corners.
- Street Name Blades shall be nine-inch (9") tall flat aluminum. The blades shall be 0.080 inches thick and be a minimum of 36" long.
- The lettering for the street signs shall be 3M Scotchlite Series 3930 high intensity prismatic material sheeting shall be used for street, regulatory, warning signs and shall be high intensity diamond grade type III prismatic. The street sign background shall be green and the legend and logo background shall be white.
- The street sign blade must incorporate the current City of Rockwall logo. The logo shall consist of white 3M Scotchlite Series 3930 high intensity prismatic material (product code 3830).
- Block Numbers are required on all street name blades and shall be located on the top right corner of the street blade.
- The lettering for the street blades shall be composed of a combination of lower-case letters with initial upper-case letters. The Clearview TCAD-1W font shall be used. The lettering shall be composed of initial upper-case letters of at least 6 inches in height and lower case letters of at least 4.5 inches in height. For supplementary lettering to indicate the type of street (such as Street, Avenue or Road) shall be composed of initial upper-case letters at least 3-inches in height and lower-case letters at least 2.25 inches in height. Abbreviations may be used (for example St., Ave., or Rd) except the street name itself. The supplementary lettering shall be located at the lower right corner of the street blade, under the block number.
- The street blade sign shall consist of green 3M Scotchlite Series 3930 high intensity prismatic material background – (product code 3937). The lettering shall consist of white 3M Scotchlite Series 3930 high intensity prismatic material (product code – 3930). The background sheeting shall be white 3M 3990 high intensity prismatic material. The background material shall be applied to the full width and height of the sign blank leaving no metal exposed. The background material shall be one continuous piece of material. Patching of background material is not allowed and any sign with patching material of any type will be rejected by the City.

- Alternative Option:

As an alternative, the foreground color may be green transparent Scotchlite ElectroCut1177 film (E.C. film). Lettering shall be cut out and removed producing a single continuous piece of green transparent film material.

The developer shall be responsible for furnishing and installing all regulatory signage, warning signage and street name signage along with all the necessary sign mounts in accordance with the approved engineering plans. A sample production sign shall be submitted to the Traffic Signs & Pavement Markings Supervisor for review and approval. The sample shall be directed to the City of Rockwall Service Center located at 1600 Airport Road, Rockwall Texas 75087. The sample sign must be submitted at least 10 days prior to the scheduled installation date.

All street and regulatory signage shall be installed, inspected and approved, prior to final acceptance of the project. This inspection typically takes place as part of the engineering department's final walkover. Any sign related issue/issues will be noted on the projects final punch list.

Post Top Luminaire — **213 - 125** (02 - 18)

The HOA Maintenance - Decorative Sign/Pole Responsibilities and Provisions:

The Homeowners Association is responsible for maintaining all non-standard decorative signs, poles/post, hardware, attachments or other approved non-standard items under this agreement. The City of Rockwall has no maintenance or other responsibility to these items. The City of Rockwall and the Homeowners Association agree the Association will bear any and all maintenance cost related to the said improvements. The City has the statutory authority to install and maintain Traffic Control Devices for vehicular traffic on public streets/roads within the ~~(ETJ) Extra Territorial Jurisdiction~~/City limits of the City of Rockwall, Texas. This agreement in no way constitutes a change in that authority and does not constitute any delegation of this authority to the Association.

The City of Rockwall reserves the right to install temporary replacement signs using standard sign post mounting or alternate temporary mounting when decorative sign posts and signs are damaged. Routine maintenance/replacement of damaged signs, posts and any sign mounting backboard/trim/hardware or other fixtures is the sole responsibility of the Homeowners Association and must be repaired within 4 weeks of reporting to the Homeowners Association.

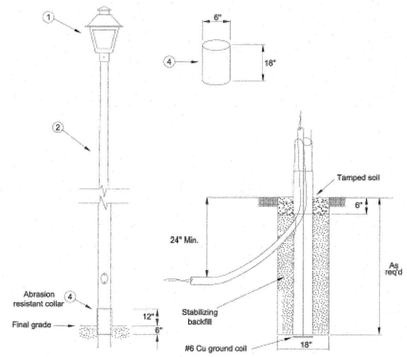
The City of Rockwall will not handle, store or be responsible for any decorative non-standard sign, post or associated fixtures installed under this agreement.

All signs (regulatory and warning) should be in conformance with the "*Texas Manual on Uniform Traffic Control Devices*" (Texas MUTCD) and the "*Standard Highway Sign Designs for Texas.*"

Sign posts must be of sufficient height to mount the sign in conformance with the current (Texas MUTCD) requirements. Most typical installations require a vertical clearance of 7 feet from the bottom edge of the sign to the ground surface. Overhead signs must conform to all required standards.

Signs/posts must be installed in locations as provided in the approved engineering/construction plans or as otherwise approved by the City of Rockwall. On occasion it may be necessary to re-locate signage/poles based engineering judgment, study or when otherwise deemed necessary by the City.

The City of Rockwall reserves the right to approve or disapprove any sign/pole design and/or location. The City of Rockwall must approve the color of signposts and any requested sign mounting/trim.



Item	Qty	Description	TSN/Ref	CU
1		LED, Luminaire, Post Top, 0-55 W, Type III, 120-277 V	902684	LEDPT55
1		LED, Luminaire, Post Top, 56-100 W, Type III, 120-277 V	902685	LEDPT100
1		High Pressure Sodium Luminaire, Post Top, 100 W, Type III, 120 V	303146	LL100H31
2		Round Pole, 20 ft., Black, Fiberglass, Embedded Base	313835	SLPF20
3		Stabilizing Backfill Foam, 2 1/2 cubic ft.	309116	
4		Abrasion Resistant Collar	321362	
5		Grounding		
6		Fusing		

ONCOR.

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED BY CONTRACTORS
(NOT FIELD VERIFIED)

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

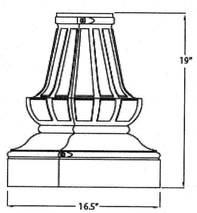
STREET SIGN DETAILS

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=100'	31

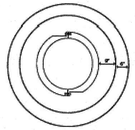
19012signdetails.dgn 12/16/2020 11:17:10 AM

BRANDON® INDUSTRIES
1601 Wilmeth Road
McKinney, Texas 75069
Phone: 972.542.3000
Toll Free: 800.247.1274
brandonindustries.com

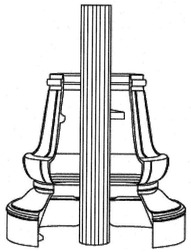
2PCL8



2PCL8
TWO-PIECE BASE FOR 4" OD ROUND POLE
CAST ALUMINUM ALLOY #356



TOP VIEW

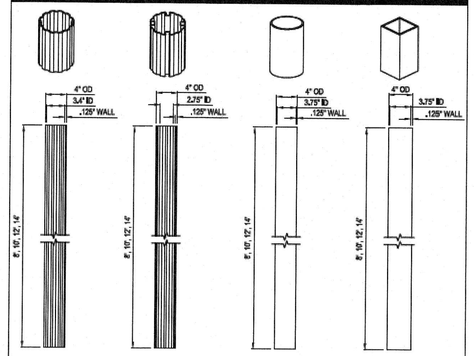


INSIDE VIEW

NOTES:
DRAWING FOR INFORMATION ONLY, NOT INTENDED FOR CONSTRUCTION PURPOSES.

File Name: 2PCL8

BRANDON® INDUSTRIES
1601 Wilmeth Road
McKinney, Texas 75069
Phone: 972.542.3000
Toll Free: 800.247.1274
brandonindustries.com



4" OD FLUTED POLE
EXTRUDED ALUMINUM ALLOY 6005-T5

SELECT POLE SIZE
- ☐ SP4X8 4" x 8'
- ☐ SP4X10 4" x 10'
- ☐ SP4X12 4" x 12'
- ☐ SP4X14 4" x 14'

4" OD CHANNEL POLE
EXTRUDED ALUMINUM ALLOY 6005-T5

SELECT POLE SIZE
- ☐ CP4X8 4" x 8'
- ☐ CP4X10 4" x 10'
- ☐ CP4X12 4" x 12'
- ☐ CP4X14 4" x 14'

4" OD SMOOTH POLE
EXTRUDED ALUMINUM ALLOY 6005-T5

SELECT POLE SIZE
- ☐ SP5X8 4" x 8'
- ☐ SP5X10 4" x 10'
- ☐ SP5X12 4" x 12'
- ☐ SP5X14 4" x 14'

4" OD SQUARE POLE
EXTRUDED ALUMINUM ALLOY 6005-T5

SELECT POLE SIZE
- ☐ SPQ4X8 4" x 8'
- ☐ SPQ4X10 4" x 10'
- ☐ SPQ4X12 4" x 12'
- ☐ SPQ4X14 4" x 14'

4-INCH OD SIGN POLES

NOTES:
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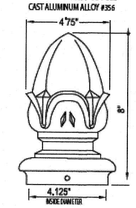
File Name: 4 INCH POLES

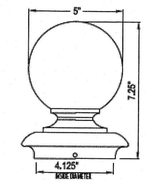
BRANDON® INDUSTRIES
1601 Wilmeth Road
McKinney, Texas 75069
Phone: 972.542.3000
Toll Free: 800.247.1274
brandonindustries.com

FINIALS FOR 4" OD POLES

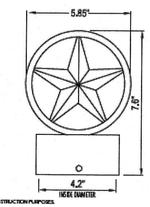
FIN-A4
ACORN FINIAL FOR 4" OD POLE
CAST ALUMINUM ALLOY #356



FIN-B4
BALL FINIAL FOR 4" OD POLE
CAST ALUMINUM ALLOY #356



FIN-CS4
CIRCLE-STAR FINIAL FOR 4" OD POLE
CAST ALUMINUM ALLOY #356



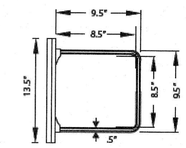
NOTES:
DRAWING FOR INFORMATION ONLY, NOT INTENDED FOR CONSTRUCTION PURPOSES.

File Name: 4 INCH FINIALS

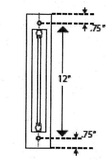
BRANDON® INDUSTRIES
1601 Wilmeth Road
McKinney, Texas 75069
Phone: 972.542.3000
Toll Free: 800.247.1274
brandonindustries.com

LOGO SIGN TRIMS

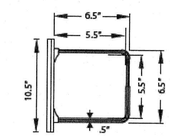
TDS0909
TRIM FOR 9" x 9" LOGO SIGN
CAST ALUMINUM ALLOY BACK PLATE #356
EXTRUDED FRAME ALLOY #6063



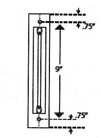
BACK VIEW



TDS0606
TRIM FOR 6" x 6" STREET SIGN
CAST ALUMINUM ALLOY BACK PLATE #356
EXTRUDED FRAME ALLOY #6063



BACK VIEW



NOTES:
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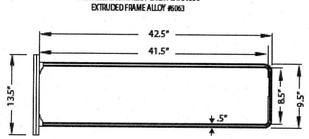
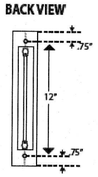
File Name: LOGO SIGN TRIM TDS0909, 0606

STREET SIGN TRIM

TDS0942
TRIM FOR 9" x 42" STREET SIGN
CAST ALUMINUM ALLOY BACK PLATE #356
EXTRUDED FRAME ALLOY #6063



BACK VIEW



NOTES:
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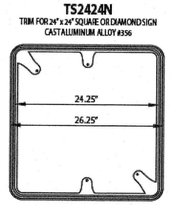
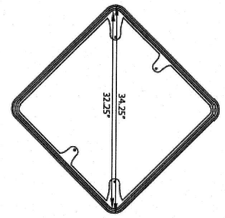
File Name: STREET SIGN TRIM TDS0942

BRANDON® INDUSTRIES
1601 Wilmeth Road
McKinney, Texas 75069
Phone: 972.542.3000
Toll Free: 800.247.1274
brandonindustries.com

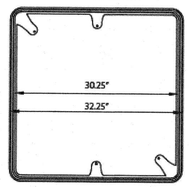
SIGN TRIMS FOR SQUARE OR DIAMOND SIGN

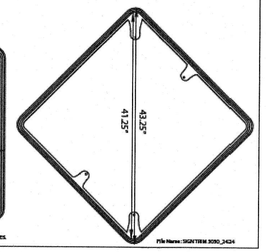
TS2424N
TRIM FOR 24" x 24" SQUARE OR DIAMOND SIGN
CAST ALUMINUM ALLOY #356





TS3030N
TRIM FOR 30" x 30" SQUARE OR DIAMOND SIGN
CAST ALUMINUM ALLOY #356





NOTES:
DRAWING FOR INFORMATION ONLY, NOT INTENDED FOR CONSTRUCTION PURPOSES.

File Name: SIGN TRIM 3030_2424

BRANDON® INDUSTRIES

Sign Pole Installation Instructions

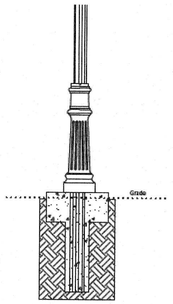
Before placing your order you need to contact your local authorities about all applicable ordinances and codes to make sure that the installation will comply. The clearance height to the bottom of the lowest sign is typically 7 feet. Your location may have additional requirements and specifications with regard to sign dimensions, vinyl types and more.

Before you begin your installation you must contact your local utility companies. Wait the required amount of time for them to survey. Respect the locate marks and dig with care. Failing to do so may result in property damage, injury or even death.

Sign Pole Installation

1. Dig your hole according to local codes and soil conditions.
2. Insert the pole with the holes or channels properly aligned with the roadway.
3. Level and brace the pole in place.
4. Create a form for the cement footing to be slightly above grade. This will serve to protect the finish of the pole from soil and lawn equipment. *See Example A*
5. Fill the hole with cement according to manufacturer's instructions.
6. Recheck with level and adjust as needed.*
7. Return after the concrete is sufficiently cured to install signs and other components to the pole.

* **NOTE: At this time it may be wise to install regulatory signs such as STOP and YIELD as a matter of public safety. Weather conditions may dictate that other components not be installed until after the cement has had time to cure.**



Example A

BRANDON® INDUSTRIES
1601 Wilmeth Road
McKinney, Texas 75069
Phone: 972.542.3000
Toll Free: 800.247.1274
brandonindustries.com

Complete Sign Unit

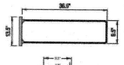
made from the following parts:

POLE:
SP4X12 - 4" x 12' FLUTED POLE
EXTRUDED ALUMINUM ALLOY 6005-T5
WALL THICKNESS .125"

P4 - FEDERALLY APPROVED BREAKAWAY KIT FOR 4" OD POST

FINIAL:
FIN-A4 - ACORN FINIAL FOR 4" OD ROUND POLE.
HEIGHT: 8"
WIDTH: 4.75"
CAST ALUMINUM ALLOY #356

TRIMS:
TDS0936 - TRIM FOR 9" x 36" STREET SIGN.
CAST ALUMINUM BACK PLATE ALLOY #356
EXTURDED FRAME ALLOY #6063



TDS0909 - TRIM FOR 9" x 9" LOGO SIGN.
CAST ALUMINUM BACK PLATE ALLOY #356
EXTURDED FRAME ALLOY #6063

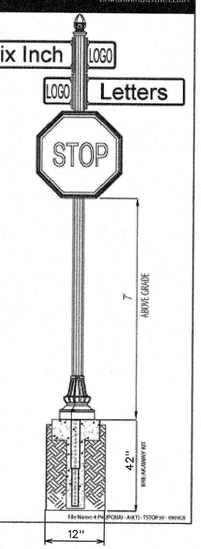
TSTOP30N - TRIM FOR 30" STOP SIGN.
CAST ALUMINUM ALLOY #356

SIGNS:
0936DS - DOUBLE-SIDED 9" x 36" REFLECTIVE STREET SIGN w/6" LETTERS
SPECIFY VINYL TYPE & COLOR

0909DS - DOUBLE-SIDED 9" x 9" LOGO SIGN

R1-1/30 - REFLECTIVE 30" STOP SIGN
SPECIFY VINYL TYPE

BASE:
2PCB - TWO-PIECE BASE FOR 4" OD POST
HEIGHT: 16"
WIDTH: 13"
CAST ALUMINUM ALLOY #356



NOTES:
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File Name: 4 PNL 2PCB100 - A18.73 - TSTOP30 - 0909LOGO

AS-BUILT DECEMBER 2020
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE X
ROCKWALL, TEXAS

DECORATIVE SIGN POLE DETAILS

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 19012	DATE MAY 2019	SCALE: 1"=100'	32

19012signpoles.dgn 12/16/2020 11:17:50 AM