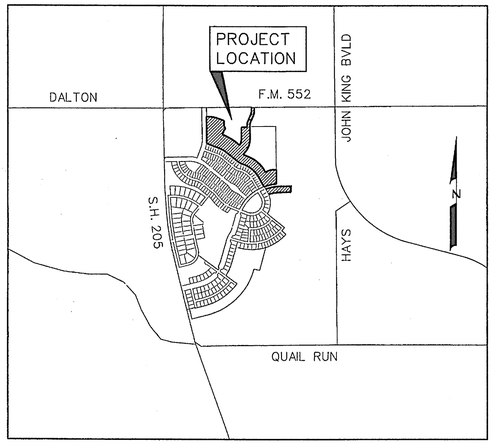
STONE CREEK PHASE VI 13068

DEVELOPMENT PLANS
FOR
STONE CREEK
PHASE VI
CITY OF ROCKWALL, TEXAS



INDEX

PREPARED FOR

STONE CREEK SF LTD.

8214 WESTCHESTER DRIVE, SUITE 710 DALLAS, TEXAS 75225

CORWIN ENGINEERING, INC. — CONSULTING ENGINEERS

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

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

BENCHMARK:

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

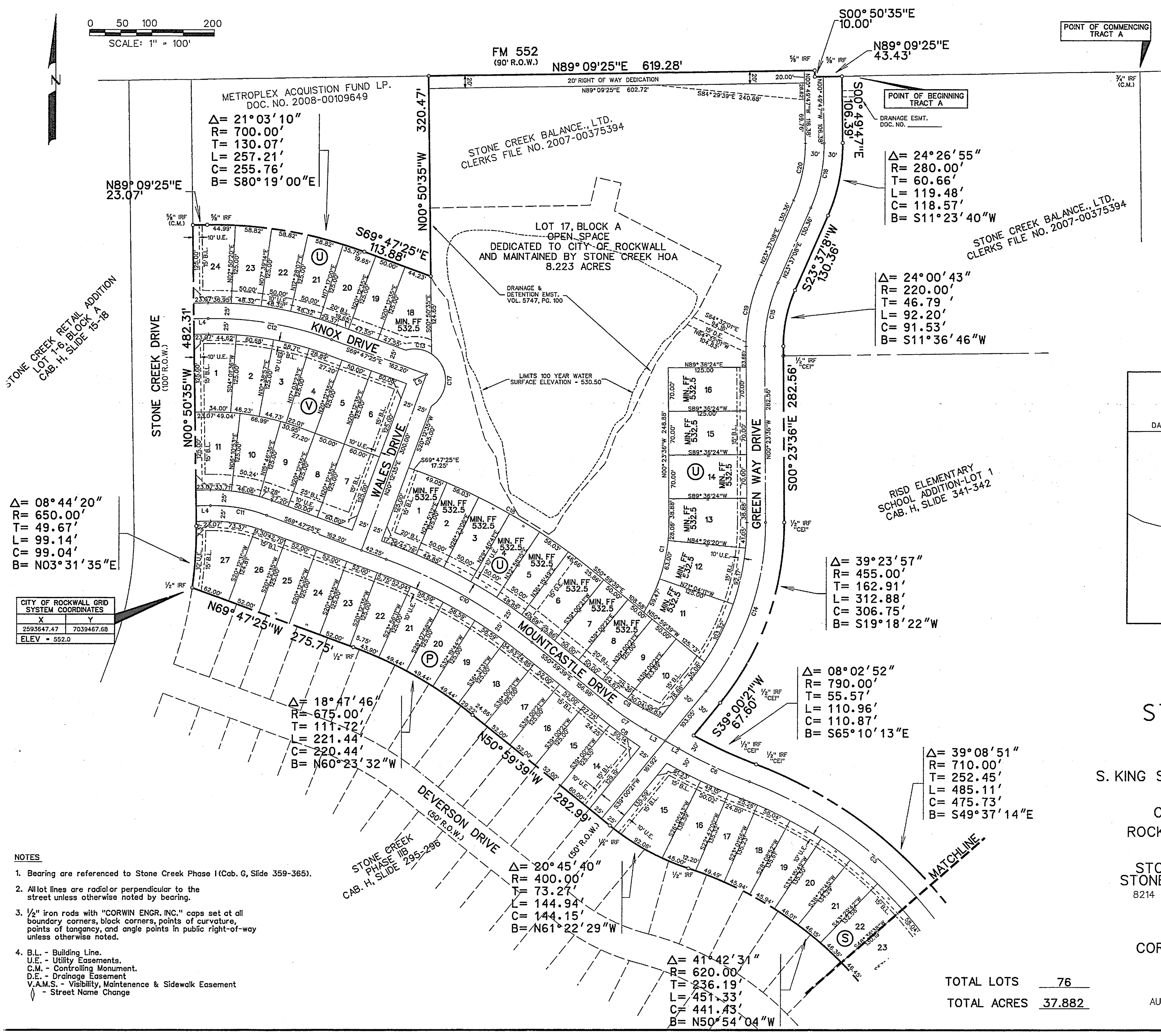
NOTE:

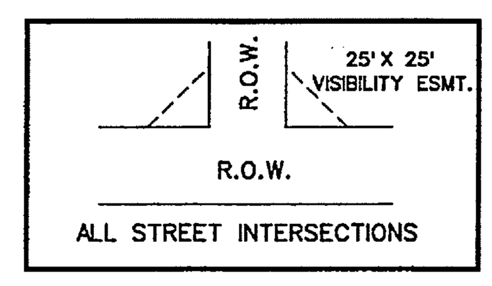
CITY OF ROCKWALL STANDARDS AND NCTCOG 3rd ADDITION STANDARDS SHALL BE USED FOR REFERENCE.

NO.	REVISIONS	DATE
2	REVISED PER CITY COMMENTS	7-28-14
1	REVISED PER CITY COMMENTS	6-18-14

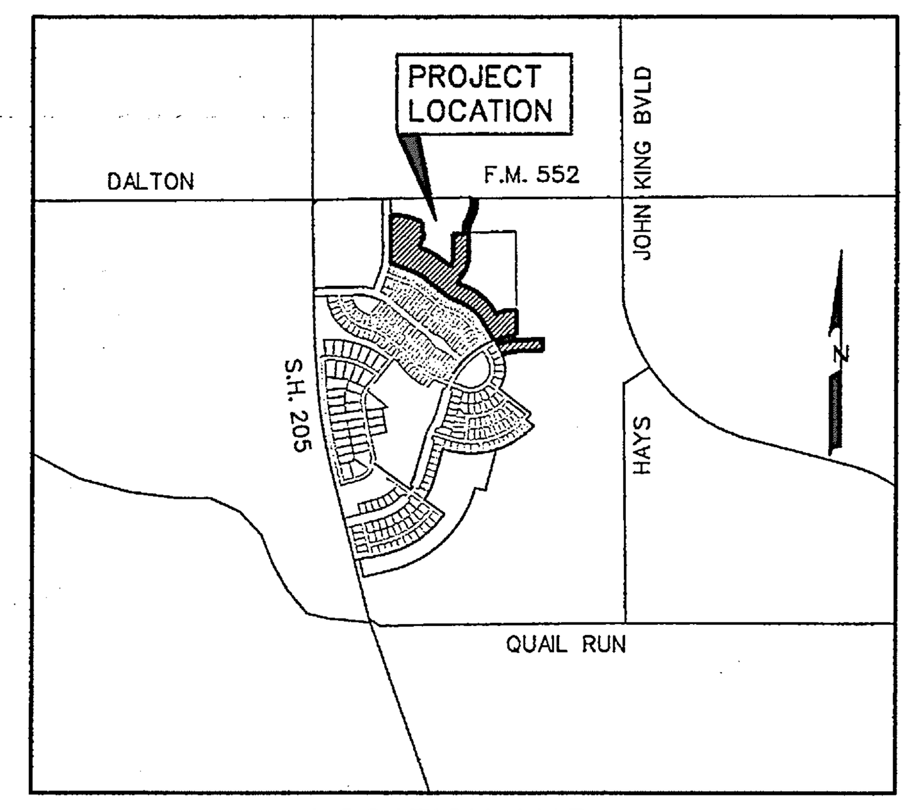
MAY 2014

...\dgn\13068_title.dgn 9/10/2014 1:40:43 PM





VISIBILITY & SIDEWALK EASEMENT DETAIL
N.T.S.



LOCATION MAP
N.T.S.

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, Maintenence & Sidewalk Easement
◊ - Street Name Change

TOTAL LOTS 76
TOTAL ACRES 37.882

FINAL PLAT
OF
STONE CREEK PHASE VI
OUT OF THE
S. KING SURVEY, ABSTRACT NO. 131
IN THE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OWNERS
STONE CREEK SF, LTD. &
STONE CREEK BALANCE, LTD.
8214 WESTCHESTER DRIVE, SUITE 710
DALLAS, TEXAS 75219
214-522-4945

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

AUGUST 2014 SCALE 1" = 100'

CASE NO. P2014-018 SHEET 1 OF 4

OWNER'S CERTIFICATE

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:
STATE OF TEXAS
COUNTY OF ROCKWALL
We the undersigned owner(s) of the land shown on this plat, and designated herein as the STONE CREEK PHASE VI, 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 on 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 VI, 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 affected by storm drainage from the development.

6. No house dwelling unit, or other structure shall be constructed on any lot in this addition by the owner or any other person until the developer and/or owner has complied with all requirements of the Subdivision Regulations of the City of Rockwall regarding improvements with respect to the entire block on the street or streets on which property abuts, including the actual installation of streets with the required base and paving, curb and gutter, water and sewer, drainage structures, storm structures, storm sewers, and alleys, all according to the specifications of the City of Rockwall; or

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

Until the developer and/or owner files a corporate surety bond with the city secretary in a sum equal to the cost of such improvements for the designated area, guaranteeing the installation thereof within the time stated in the bond, which time shall be fixed by the city council of the City of Rockwall.

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 SF, LTD.,
a Texas limited partnership
By: STONE CREEK SF GP Corporation,
a Texas corporation, its General Partner

______________________ ______________________
Richard M. Skorburg Mortgage or Lien Interest
President

STATE OF TEXAS
COUNTY OF DALLAS
Before me, the undersigned authority, on this day personally appeared RICHARD M. SKORBURG, 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_______________, 2014.

Notary Public in and for the State of Texas My Commission Expires: ______________________

STATE OF TEXAS
COUNTY OF DALLAS
Before me, the undersigned authority, on this day personally appeared 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_____________, 2014.

Notary Public in and for the State of Texas My Commission Expires: ______________________

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.

STONE CREEK BALANCE, LTD.,
a Texas limited partnership
By: STONE CREEK BALANCE GP Corporation,
a Texas corporation, its General Partner

______________________ ______________________
Richard M. Skorburg Mortgage or Lien Interest
President

STATE OF TEXAS
COUNTY OF DALLAS
Before me, the undersigned authority, on this day personally appeared RICHARD M. SKORBURG, 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_______________, 2014.

Notary Public in and for the State of Texas My Commission Expires: ______________________

STATE OF TEXAS
COUNTY OF DALLAS
Before me, the undersigned authority, on this day personally appeared 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_____________, 2014.

Notary Public in and for the State of Texas My Commission Expires: ______________________

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.

______________________ ______________________
Planning & Zoning Commission Date

APPROVED

I hereby certify that the above and foregoing plat of an addition to the City of Rockwall, Texas, was approved by the City Council of the City of Rockwall on the________day of_____________, 2014.

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_______day of_____________, 2014.

______________________ ______________________ ______________________
Mayor, City of Rockwall City Secretary City Engineer

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______day of_________, 2014.

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

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_______day of__________, 2014.

____
Notary Public in and for the State of Texas

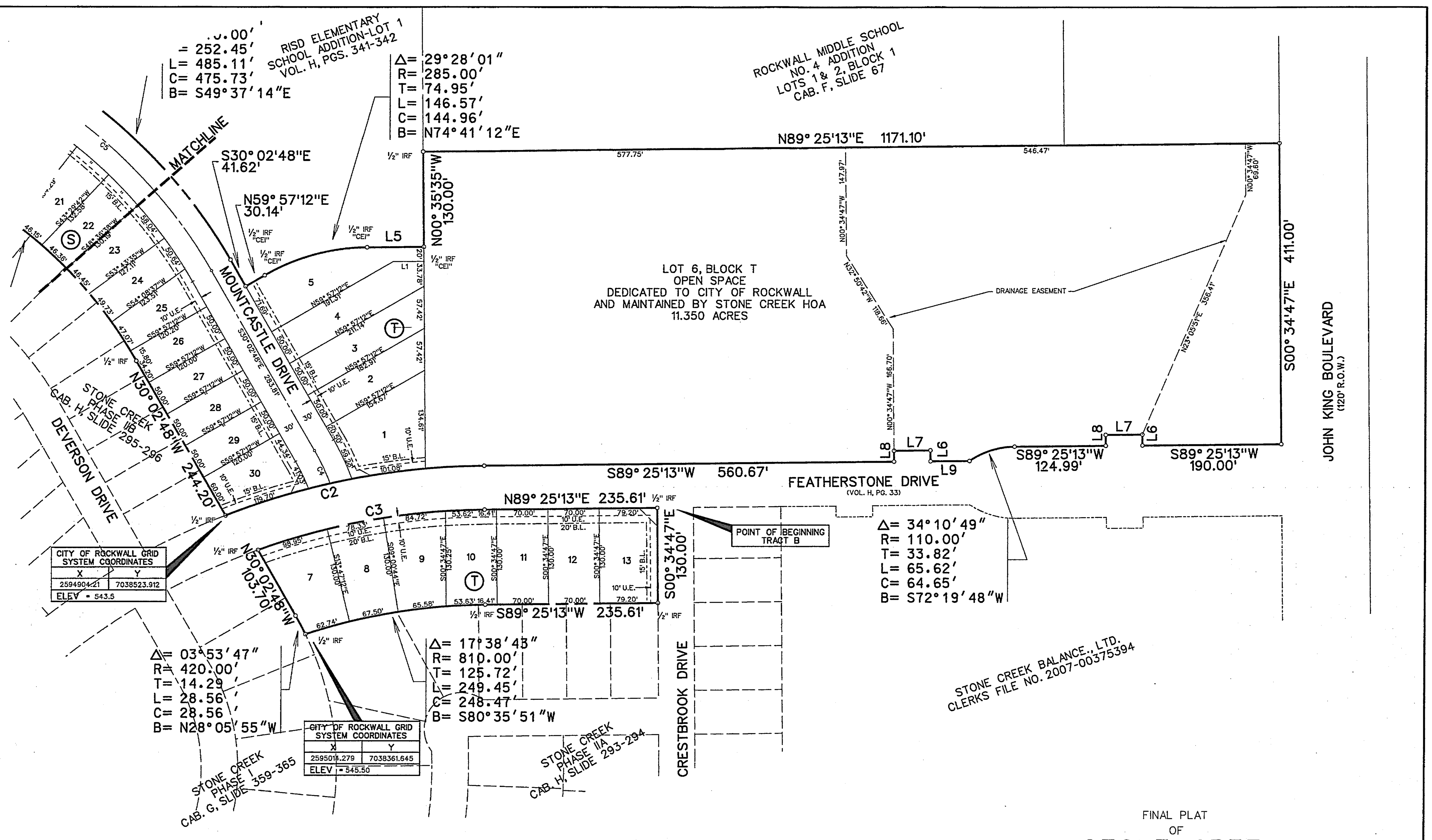
FINAL PLAT
OF
STONE CREEK PHASE VI
OUT OF THE
S. KING SURVEY, ABSTRACT NO. 131
IN THE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OWNERS
STONE CREEK SF, LTD. &
STONE CREEK BALANCE, LTD.
8214 WESTCHESTER DRIVE, SUITE 710
DALLAS, TEXAS 75219
214-522-4945

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

AUGUST 2014

CASE NO. P2014-018 SHEET 4 OF 4



CURVE TABLE

CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT	CHORD	BEARING
1.	31°56'36"	270.00'	150.53'	77.28'	148.59'	N15°34'42"E
2.	20°43'45"	1000.0'	361.79'	182.90'	359.82'	S79°03'20"W
3.	19°14'20"	940.00'	315.63'	159.32'	314.15'	N79°48'03"E
4.	09°19'50"	305.00'	49.67'	24.89'	49.61'	S25°22'53"E
5.	39°08'51"	680.00'	464.61'	241.79'	455.63'	N49°37'14"W
6.	08°46'38"	820.00'	125.62'	62.93'	125.49'	N64°48'20"W
7.	09°25'22"	450.00'	74.01'	37.09'	73.92'	N55°42'20"W
8.	10°55'35"	290.50'	55.40'	27.78'	55.32'	S56°27'27"E
9.	05°41'18"	850.00'	84.39'	42.23'	84.23'	S53°50'18"E
10.	18°47'46"	825.00'	270.64'	136.55'	269.43'	N60°23'32"W
11.	21°03'10"	250.00'	91.86'	46.45'	91.34'	N80°19'00"W
12.	21°03'10"	550.00'	202.09'	102.20'	200.96'	S80°19'00"E
13.	50°07'15"	50.00'	43.74'	23.38'	42.36'	S81°36'00"E
14.	39°23'57"	425.00'	292.25'	152.17'	286.52'	N19°18'22"E
15.	24°00'43"	250.00'	104.77'	53.17'	104.01'	N11°36'46"E
16.	24°26'55"	250.00'	106.68'	54.16'	105.87'	N11°23'40"E
17.	113°37'09"	50.00'	99.15'	76.44'	83.69'	S00°16'12"W
18.	18°47'46"	975.00'	319.85'	161.38'	318.42'	S60°23'32"E
19.	24°00'43"	280.00'	117.34'	59.55'	116.49'	N11°36'46"E
20.	24°26'55"	220.00'	93.88'	47.66'	93.17'	N11°23'40"E

LINE TABLE

LINE NO.	BEARING	DISTANCE
1.	N 89°25'13" E	41.86'
2.	N 60°25'01" W	25.34'
3.	N 60°25'01" W	35.69'
4.	S 89°09'25" W	23.07'
5.	N 89°25'13" E	77.24'
6.	N 00°35'35" W	15.00'
7.	S 89°25'13" W	50.00'
8.	S 00°35'35" E	15.00'
9.	S 89°25'13" W	53.21'

FINAL PLAT
OF
STONE CREEK PHASE VI
OUT OF THE
S. KING SURVEY, ABSTRACT NO. 131
IN THE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OWNERS
STONE CREEK SF, LTD. &
STONE CREEK BALANCE, LTD.
8214 WESTCHESTER DRIVE, SUITE 710
DALLAS, TEXAS 75219
214-522-4945

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

AUGUST 2014 SCALE 1" - 100'

CASE NO. P2014-018 SHEET 2 OF 4

LEGAL DESCRIPTION

WHEREAS, STONE CREEK SF, LTD. & STONE CREEK BALANCE, LTD., are the owners of a tract of land situated in the W.T. DeWeese Survey, Abstract No. 71 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:

COMMENCING, at a ¾ inch iron rod found at the northwest corner of Rockwall Middle School No. 4 Addition, an addition to the City of Rockwall, as described in Cabinet F, Page 67, in the Plat Records of Rockwall County, Texas, being in the south line of F.M. 552 (Variable R.O.W.);

THENCE, South 89°09'25" West, along the south line of said F.M. 552 and being in the north line of said Stone Creek Balance tract, for a distance of 478.00 feet, to the POINT OF BEGINNING;

THENCE, South 00°49'47" East, departing said north and south lines, for a distance of 106.39 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", being at the point of curvature of a curve to the right, having a radius of 280.00 feet, a central angle of 24°26'55", and a tangent of 60.66 feet;

THENCE, along said curve to the right for an arc distance of 119.48 feet (Chord Bearing South 11°23'40" West - 118.57 feet), to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", being at the point of tangency of said curve;

THENCE, South 23°37'08" West, for a distance of 130.36 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", being at the point of curvature of a curve to the left, having a radius of 220.00 feet, a central angle of 24°00'43", and a tangent of 46.79 feet;

THENCE, along said curve to the left for an arc distance of 92.20 feet (Chord Bearing South 11°36'46" West - 91.53 feet), to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", at the point of tangency of said curve;

THENCE, South 00°23'36" East, at 15.60 feet, passing a ½ inch iron rod found at the northwest corner of RISD Elementary School Addition-Lot 1, an addition to the City of Rockwall, as described in Vol. H, Pg. 341-342, in said Plat Records, for a total distance of 282.56 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", being the point of curvature of a curve to the right, having a radius of 455.00 feet, a central angle of 39°23'57", and a tangent of 162.91 feet;

THENCE, along the west line of said RISD Elementary School Addition-Lot 1 and with said curve to the right for an arc distance of 312.88 feet (Chord Bearing South 19°18'22" West - 306.75 feet), to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", being at the point of tangency of said curve;

THENCE, South 39°00'21" West, continuing along said west line, for a distance of 67.60 feet, to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", at the most westerly southwest corner of said RISD Elementary School Addition-Lot 1, being on a curve to the left, having a radius of 790.00 feet, a central angle of 08°02'52", and a tangent of 55.57 feet;

THENCE, along the south line of said RISD Elementary School Addition-Lot 1 and with said curve to the left for an arc distance of 110.96 feet (Chord Bearing South 65°10'13" East - 110.87 feet), to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", at the point of reverse curvature of a curve to the right, having a radius of 710.00 feet, a central angle of 39°08'51", and a tangent of 252.45 feet;

THENCE, along the south line of said RISD Elementary School Addition-Lot 1 and with said curve to the right for an arc distance of 485.11 feet (Chord Bearing South 49°37'14" East - 475.73 feet), to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", at the point of tangency of said curve;

THENCE, South 30°02'48" East, continuing along said south line, for a distance of 41.62 feet, to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", at the most southerly southwest corner of said RISD Elementary School Addition-Lot 1;

THENCE, North 59°57'12" East, continuing along said south line, for a distance of 30.14 feet, to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", at the point of curvature of a curve to the right, having a radius of 285.00 feet, a central angle of 29°28'01", and a tangent of 74.95 feet;

THENCE, continuing along said south line and with said curve to the right for an arc distance of 146.57 feet (Chord Bearing North 74°41'12" East - 144.96 feet), to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc." at the point of tangency;

THENCE, North 89°25'13" East, continuing along said south line, for a distance of 77.24 feet, to a ½ inch iron rod found with a yellow cap stamped "Corwin Eng. Inc.", at the southeast corner of said RISD Elementary School Addition-Lot 1;

THENCE, North 00°35'35" West, along the east line of said RISD Elementary School Addition-Lot 1, for a distance of 130.00 feet, to a ½ inch iron rod found, at the southwest corner of said Rockwall Middle School Tract No. 4 Addition;

THENCE, South 89°25'13" West, departing said east line and along the south line of said Rockwall Middle School Tract No. Addition, for a distance of 1171.10 feet, to a ½ inch iron rod set at the in the west line of John King Boulevard (120' R.O.W.);

THENCE, South 00°34'47" East, departing said south line and along the west line of said John King Boulevard, for a distance of 411.00 feet, to a ½ inch rod set at the northeast corner of Featherstone Drive, an addition to the City of Rockwall, as described in Vol. H, Pg. 33, in said Plat Records;

THENCE, South 89°25'13" West, along the north line of said Featherstone Drive, for a distance of 190.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, North 00°35'35" West, continuing along said north line, for a distance of 15.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, South 89°25'13" West, continuing along said north line, for a distance of 50.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, South 00°35'35" East, continuing along said north line, for a distance of 15.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, South 89°25'13" West, continuing along said north line, for a distance of 124.99 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", at the point of curvature of a curve to the left, having a radius of 110.00 feet, a central angle of 34°10'49" , and a tangent of 33.82 feet;

THENCE, continuing along said north line and with said curve to the left for an arc distance of 65.62 feet (Chord Bearing South 72°19'48" West - 64.65 feet), to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, South 89°25'13" West, continuing along said north line, for a distance of 53.21 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, North 00°35'35" West, continuing along said north line, for a distance of 15.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, South 89°25'13" West, continuing along said north line, for a distance of 50.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.";

THENCE, South 00°35'35" East, continuing along said north line, for a distance of 15.00 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc. ";

THENCE, South 89°25'13" West, continuing along said north line, for a distance of 560.67 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", being on a curve to the left, having a radius of 1000.00 feet, a central angle of 20°43'45" and a tangent of 182.90 feet;

THENCE, along the north line of said Featherstone Drive and with said curve to the left for an arc distance of 361.79 feet (Chord Bearing South 79°03'20" West - 359.82 feet), to a ½ inch iron rod found with a yellow cap, being the most easterly northeast corner of Stone Creek Phase IIB, an addition to the City of Rockwall, as described in Vol. H, Pgs. 295-296, in said Plat Records;

THENCE, North 30°02'48" West, departing the north line of said Featherstone Drive and along the north line of said Stone Creek Phase IIB, for a distance of 244.20 feet, to a ½ inch iron rod found with a yellow cap at the point curvature of a curve to the left, having a radius of 620.00 feet, a central angle of 41°42'31", and a tangent of 236.19 feet;

THENCE, continuing along said north line and with said curve to the left for an arc distance of 451.33 feet (Chord Bearing North 50°54'04" West - 441.43 feet), to a ½ inch iron rod found with a yellow cap at the point of reverse curvature of a curve to the right, having a radius of 400.00 feet, a central angle of 20°45'40", and a tangent of 73.27 feet;

THENCE, continuing along said north line and with said curve to the right for an arc distance of 144.94 feet (Chord Bearing North 61°22'29" West - 144.15 feet), to a ½ inch iron rod found with a yellow cap at the point of tangency;

THENCE, North 50°59'39" West, continuing along said north line, for a distance of 282.99 feet, to a ½ inch iron rod found with a yellow cap at the point of curvature of a curve to the left, having a radius of 675.00 feet, a central angle of 18°47'46", and a tangent of 111.72 feet;

THENCE, continuing along said north line and with said curve to the left for an arc distance of 221.44 feet (Chord Bearing North 60°23'32" West - 220.44 feet), to a ½ inch iron rod found with a yellow cap at the point of tangency;

THENCE, North 69°47'25" West, continuing along said north line, for a distance of 275.75 feet, to a ½ inch iron rod found with a yellow cap at the northwest corner of said Stone Creek Phase IIB, being in the east line of Stone Creek Drive (100' R.O.W.), same being on a curve to the left, having a radius of 650.00 feet, a central angle of 08°44'20", and a tangent of 49.67 feet;

THENCE, along the east line of said Stone Creek Drive and with said curve to the left for an arc distance of 99.14 feet (Chord Bearing North 03°31'35" East - 99.04 feet), to a ½ inch rod set with a yellow cap stamped "Corwin Eng. Inc.", being the point of tangency;

THENCE, North 00°50'35" West, continuing along said east line, for a distance of 482.31 feet, to a ⅝ inch iron rod found stamped "Pogue Sur" at the southwest corner of a 2.2881 acre tract, as described in Doc. No.2008-00409649, in said Deed Records;

THENCE, North 89°09'25" East, departing said east line and along said south line, for a distance of 23.07 feet to a ⅝ inch iron rod found stamped "Pogue Sur" being on a curve to the right having a radius of 700.00 feet, a central angle of 21°03'10", and a tangent of 130.07 feet;

THENCE, continuing along said south line and with said curve to the right for an arc distance of 257.21 feet (Chord Bearing South 80°19'00" East - 255.76 feet), to a ½ inch iron rod set with a yellow cap stamped Corwin Eng. Inc. at the point of tangency;

THENCE, South 69°47'25" East, continuing along said south line, for a distance of 113.88 feet, to a ½ inch iron rod set stamped "Corwin Eng. Inc.", being the southeast corner of said 2.2881 acre tract;

THENCE, North 00°50'35" West, along the east line of said 2.2881 acre tract, for a distance of 320.47 feet, to a ½ inch iron rod set with a yellow cap stamped "Corwin Eng. Inc.", in the south line of said F.M. 552;

THENCE, North 89°09'25" East, along the south line of said F.M. 552, for a distance of 619.28 feet, to a ⅝ inch iron rod found;

THENCE, South 00°50'35" East, continuing along said south line, for a distance of 10.00 feet, to a ⅝ inch iron rod found;

THENCE, North 89°09'25" East, continuing along said south line, for a distance of 43.43 feet, to the POINT OF BEGINNING and containing 36.337 acres of land.

LEGAL DESCRIPTION - TRACT B

WHEREAS, STONE CREEK SF, LTD. & STONE CREEK BALANCE, LTD., are the owners of a tract of land situated in the W.T. DeWeese Survey, Abstract No. 71 in the City of Rockwall, Rockwall County, Texas, being part of a tract of land as described in Stone Creek SF, LTD., Clerks File No. 2007-00375398 in said Deed Records, and being more particularly described as follows:

BEGINNING, at a ½ inch iron rod found at the most northerly northwest corner of Stone Creek Phase IIA, an addition to the City of Rockwall, as described in Cab. H, Pg. 293, in the Plat Records of Rockwall County, Texas, same being in the south line of Featherstone Drive (Variable R.O.W):

THENCE, South 00°34'47" East, along a west line of said Stone Creek Phase IIA, for a distance of 130.00 feet, to a ½ inch iron rod found at an ell corner of said Stone Creek Phase IIA;

THENCE, South 89°25'13" West, along the north line of said Stone Creek Phase IIA, for a distance of 235.61 feet, to a ½ inch iron rod found at the point of curvature of a curve to the left, having a radius of 810.00 feet, a central angle of 17°38'43" and a tangent of 125.72 feet;

THENCE, continuing along said north line and with said curve to the left for an arc distance of 249.45 feet (Chord Bearing South 80°35'51" West - 248.47 feet), to a ½ inch iron rod found at the most westerly northwest corner of said Stone Creek Phase IIA being in the east line of Stone Creek Phase I, an addition to the City of Rockwall, as described in Vol. G, Pg. 359-365 in said Plat Records, being a curve to the left, having a radius of 420.00 feet, a central angle of 03°53'47", and a tangent of 14.29 feet;

THENCE, along the east line of said Stone Creek Phase I and with said curve to the left for an arc distance of 28.56 feet (Chord Bearing North 28°05'55" West - 28.56 feet), to a ½ inch iron rod set with a yellow cap stamped Corwin Eng. Inc. at the point of tangency;

THENCE, North 30°02'48" West, continuing along said east line, for a distance of 103.70 feet, to a ½ inch iron rod set with a yellow cap stamped Corwin Eng. Inc., being in the south line of said Featherstone Drive and being on a curve to the right, having a radius of 940.00 feet, a central angle of 19°14'20", and a tangent of 159.32 feet;

THENCE, departing the east line of said Stone Creek Phase I and along the south line of said Featherstone Drive for an arc distance of 315.63 feet (Chord Bearing North 79°48'03" East - 314.15 feet), to a ½ inch iron rod set with a yellow cap stamped Corwin Eng. Inc. at the point of tangency;

THENCE, North 89°25'13" East, continuing along said south line, for a distance of 235.61 feet, to the POINT OF BEGINNING and containing 1.545 acres of land.

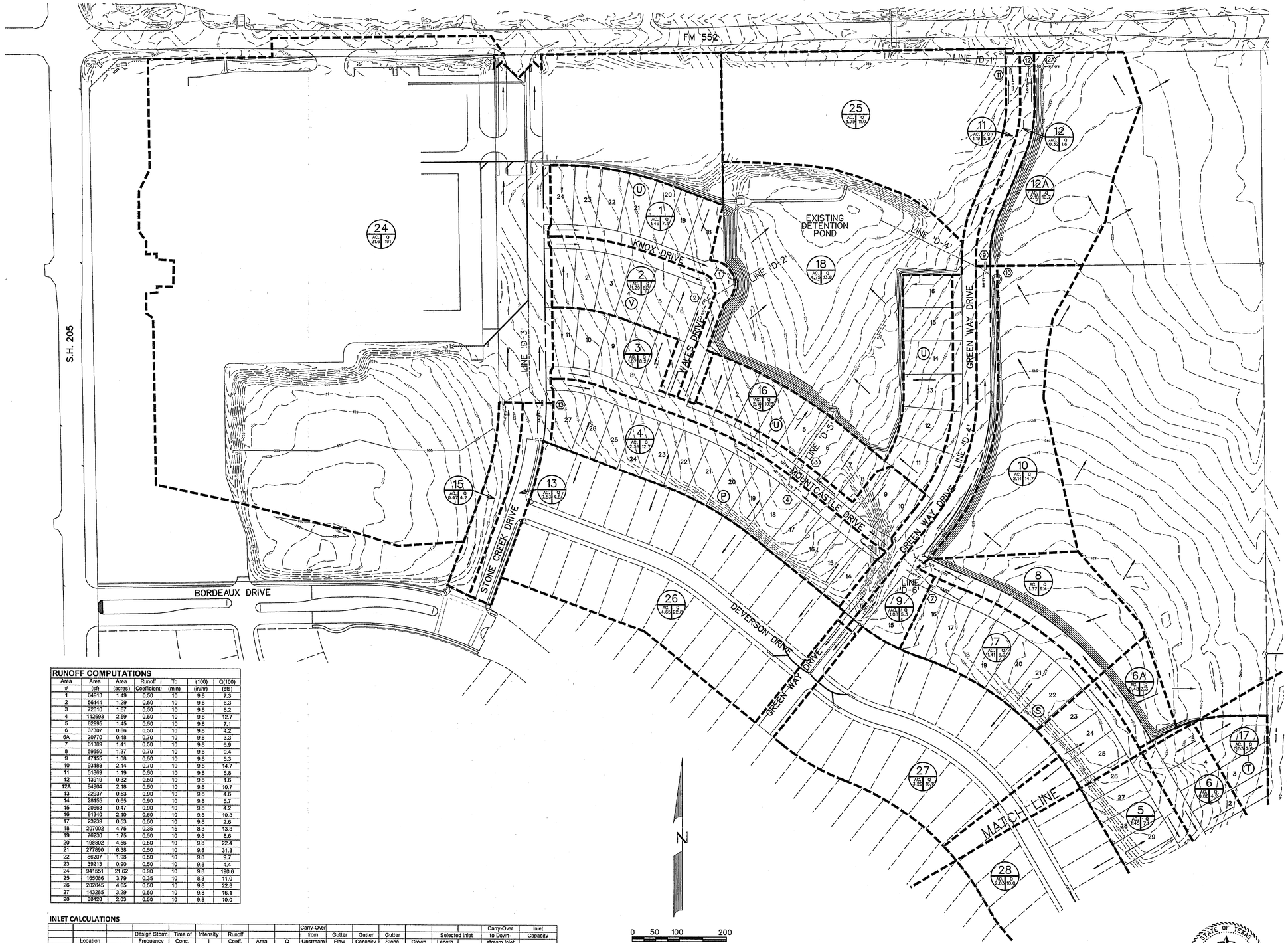
FINAL PLAT
OF
STONE CREEK PHASE VI
OUT OF THE
S. KING SURVEY, ABSTRACT NO. 131
IN THE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OWNERS
STONE CREEK SF, LTD. &
STONE CREEK BALANCE, LTD.
8214 WESTCHESTER DRIVE, SUITE 710
DALLAS, TEXAS 75219
214-522-4945

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

AUGUST 2014

CASE NO. P2014-018 SHEET 3 OF 4



LEGEND

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

RUNOFF COMPUTATIONS

Area #	Area (sf)	Area (acres)	Runoff Coefficient	Tc (min)	I(100) (in/hr)	Q(100) (cfs)
1	64913	1.49	0.50	10	9.8	7.3
2	56144	1.29	0.50	10	9.8	6.3
3	72810	1.67	0.50	10	9.8	8.2
4	112693	2.59	0.50	10	9.8	12.7
5	62995	1.45	0.50	10	9.8	7.1
6	37307	0.86	0.50	10	9.8	4.2
6A	20770	0.48	0.70	10	9.8	3.3
7	61389	1.41	0.50	10	9.8	6.9
8	59550	1.37	0.70	10	9.8	9.4
9	47155	1.08	0.50	10	9.8	5.3
10	93188	2.14	0.70	10	9.8	14.7
11	51869	1.19	0.50	10	9.8	5.8
12	13919	0.32	0.50	10	9.8	1.6
12A	94904	2.18	0.50	10	9.8	10.7
13	22937	0.53	0.90	10	9.8	4.6
14	28155	0.65	0.90	10	9.8	5.7
15	20663	0.47	0.90	10	9.8	4.2
16	91340	2.10	0.50	10	9.8	10.3
17	23239	0.53	0.50	10	9.8	2.6
18	207002	4.75	0.35	15	8.3	13.8
19	76230	1.75	0.50	10	9.8	8.6
20	198802	4.56	0.50	10	9.8	22.4
21	277890	6.38	0.50	10	9.8	31.3
22	86207	1.98	0.50	10	9.8	9.7
23	39213	0.90	0.50	10	9.8	4.4
24	941551	21.62	0.90	10	9.8	190.6
25	165086	3.79	0.35	10	8.3	11.0
26	202645	4.65	0.50	10	9.8	22.8
27	143285	3.29	0.50	10	9.8	16.1
28	88428	2.03	0.50	10	9.8	10.0

INLET CALCULATIONS

	Location		Design Storm Frequency	Time of Conc.	Intensity I	Runoff Coeff. "C"	Area	Q	Carry-Over from Upstream	Gutter Flow	Gutter Capacity	Gutter Slope	Crown	Selected Inlet Length	Selected Inlet Type	Carry-Over to Down-stream Inlet	Inlet Capacity
Inlet #	Street	Station	(yrs.)	(min.)	(in/hr)		(acres)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/ft)	Type	(ft)	Type	(cfs)	(cfs)
1	Wales/Knox	-	100	10	9.8	0.50	1.49	7.3	0.0	7.3	10.6	Low Pt	6" pbl	10	STD.	0.0	21.0
2	Wales	2+44.50	100	10	9.8	0.50	1.29	6.3	0.0	6.3	12.3	Low Pt	6" pbl	10	STD.	0.0	21.0
3	Mountcastle	6+24.10	100	10	9.8	0.50	1.67	8.2	0.0	8.2	17.7	Low Pt	6" pbl	10	STD.	0.0	21.0
4	Mountcastle	6+24.10	100	10	9.8	0.50	2.59	12.7	0.0	12.7	17.7	Low Pt	6" pbl	10	STD.	0.0	21.0
5	Mountcastle	18+21.45	100	10	9.8	0.50	1.45	7.1	0.0	7.1	16.5	1.65%	6" pbl	15	STD.	0.0	11.5
6	Mountcastle	18+36.60	100	10	9.8	0.57	1.33	7.5	0.0	7.5	21.7	2.36%	6" pbl	15	STD.	0.0	10.5
7	Mountcastle	9+91.44	100	10	9.8	0.50	1.41	6.9	0.0	6.9	19.3	1.20%	6" pbl	10	STD.	0.1	6.6
8	Mountcastle	9+69.02	100	10	9.8	0.70	1.37	9.4	0.0	9.4	21.7	2.07%	6" pbl	10	STD.	2.9	6.5
9	Greenway	16+75.00	100	10	9.8	0.50	1.08	5.3	3.0	8.3	21.1	1.96%	6" pbl	15	STD.	0.0	10.0
10	Greenway	16+47.73	100	10	9.8	0.70	2.14	14.7	0.0	14.7	N/A	Low Pt	-	4	WYE	0.0	20.5
11	Greenway	21+00.00	100	10	9.8	0.50	1.19	5.8	0.0	5.8	10.6	1.63%	6" pbl	10	STD.	0.0	6.3
12	Greenway	20+97.50	100	10	9.8	0.50	0.32	1.6	0.0	1.6	10.6	0.88%	6" pbl	10	STD.	0.0	6.3
12A	Greenway	21+10.00	100	10	9.8	0.50	2.18	10.7	0.0	10.7	N/A	Low Pt	-	4	WYE	0.0	20.5
13	Stone Creek	4+82.55	100	10	9.8	0.90	0.53	4.6	0.0	4.6	27.0	1.69%	1/4"/ft	10	STD.	0.0	5.6
14	Featherstone	36+47.97	100	10	9.8	0.90	0.65	5.7	0.0	5.7	21.9	2.10%	6" pbl	10	STD.	0.0	6.2
15	Stone Creek	4+82.55	100	10	9.8	0.90	0.47	4.2	0.0	4.2	27.0	1.69%	1/4"/ft	10	STD.	0.0	5.6

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

BENCHMARK:

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

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

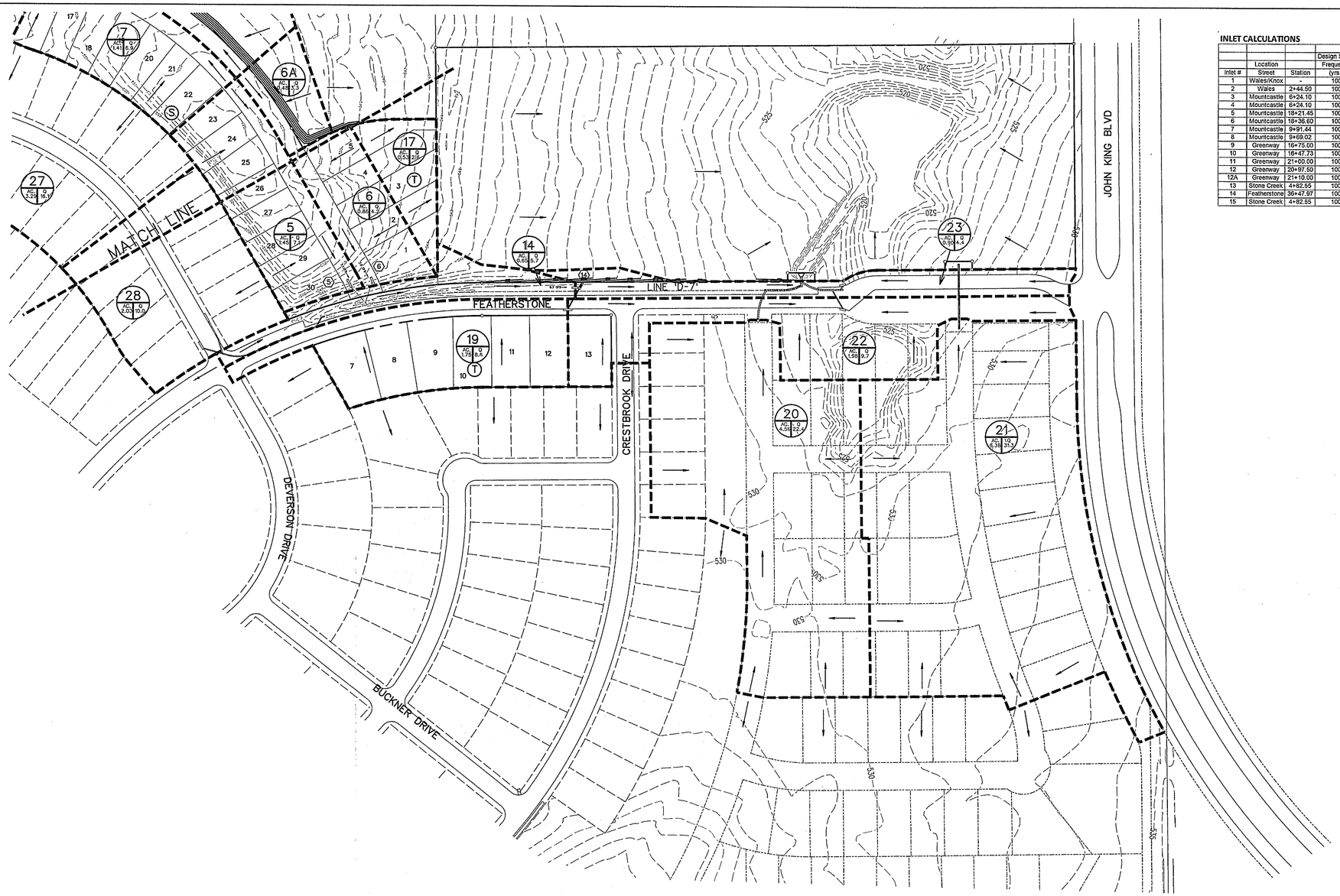
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

DRAINAGE AREA MAP
SHEET 1 OF 2

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: 1"=100'	4 OF 26

...\dgn\13068map.dgn 9/10/2014 1:42:10 PM



INLET CALCULATIONS

			Design Storm	Time of	Intensity	Runoff			Carry-Over from	Gutter	Gutter	Gutter		Selected Inlet			Carry-Over to Down-	Inlet
	Location		Frequency	Conc.		Coeff.	Area	Q	Upstream	Flow	Capacity	Slope	Crown	Length			stream Inlet	Capacity
Inlet #	Street	Station	(yrs.)	(min.)	(in/hr)	"C"	(acres)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/ft)	Type	(ft)	Type	(cfs)	(cfs)	(cfs)
1	Wales/Knox	-	100	10	9.8	0.50	1.49	7.3	0.0	7.3	10.6	Low Pt	6" pbl	10	STD.	0.0		21.0
2	Wales	2+44.50	100	10	9.8	0.50	1.29	6.3	0.0	6.3	12.3	Low Pt	6" pbl	10	STD.	0.0		21.0
3	Mountcastle	6+24.10	100	10	9.8	0.50	1.67	8.2	0.0	8.2	17.7	Low Pt	6" pbl	10	STD.	0.0		21.0
4	Mountcastle	6+24.10	100	10	9.8	0.50	2.59	12.7	0.0	12.7	17.7	Low Pt	6" pbl	10	STD.	0.0		21.0
5	Mountcastle	18+21.45	100	10	9.8	0.50	1.45	7.1	0.0	7.1	16.5	1.65%	6" pbl	15	STD.	0.0		11.5
6	Mountcastle	18+36.60	100	10	9.8	0.57	1.33	7.5	0.0	7.5	21.7	2.36%	6" pbl	15	STD.	0.0		10.5
7	Mountcastle	9+91.44	100	10	9.8	0.50	1.41	6.9	0.0	6.9	19.3	1.20%	6" pbl	10	STD.	0.1		6.8
8	Mountcastle	9+69.02	100	10	9.8	0.70	1.37	9.4	0.0	9.4	21.7	2.07%	6" pbl	10	STD.	2.9		8.5
9	Greenway	16+75.00	100	10	9.8	0.50	1.08	5.3	3.0	8.3	21.1	1.56%	6" pbl	15	STD.	0.0		10.0
10	Greenway	16+47.73	100	10	9.8	0.70	2.14	14.7	0.0	14.7	N/A	Low Pt	-	4	WYE	0.0		20.5
11	Greenway	21+00.00	100	10	9.8	0.50	1.19	5.8	0.0	5.8	10.6	1.63%	6" pbl	10	STD.	0.0		6.3
12	Greenway	20+97.50	100	10	9.8	0.50	0.32	1.6	0.0	1.6	10.6	0.88%	6" pbl	10	STD.	0.0		6.3
12A	Greenway	21+10.00	100	10	9.8	0.50	2.18	10.7	0.0	10.7	N/A	Low Pt	-	4	WYE	0.0		20.5
13	Stone Creek	4+82.55	100	10	9.8	0.90	0.53	4.6	0.0	4.6	27.0	1.69%	1/4"/ft	10	STD.	0.0		5.6
14	Featherstone	36+47.97	100	10	9.8	0.90	0.65	5.7	0.0	5.7	21.9	2.10%	6" pbl	10	STD.	0.0		6.2
15	Stone Creek	4+82.55	100	10	9.8	0.90	0.47	4.2	0.0	4.2	27.0	1.69%	1/4"/ft	10	STD.	0.0		5.6

RUNOFF COMPUTATIONS

Area #	Area (sf)	Area (acres)	Runoff Coefficient	Tc (min)	I(100) (in/hr)	Q(100) (cfs)
1	64913	1.49	0.50	10	9.8	7.3
2	56144	1.29	0.50	10	9.8	6.3
3	72610	1.67	0.50	10	9.8	8.2
4	112693	2.59	0.50	10	9.8	12.7
5	62985	1.45	0.50	10	9.8	7.1
6	37307	0.86	0.50	10	9.8	4.2
6A	20770	0.48	0.70	10	9.8	3.3
7	61389	1.41	0.50	10	9.8	6.9
8	59550	1.37	0.70	10	9.8	9.4
9	47155	1.08	0.50	10	9.8	5.3
10	93188	2.14	0.70	10	9.8	14.7
11	51669	1.19	0.50	10	9.8	5.8
12	13919	0.32	0.50	10	9.8	1.6
12A	94904	2.18	0.50	10	9.8	10.7
13	22937	0.53	0.90	10	9.8	4.6
14	28155	0.65	0.90	10	9.8	5.7
15	20563	0.47	0.90	10	9.8	4.2
16	91340	2.10	0.50	10	9.8	10.3
17	23239	0.53	0.50	10	9.8	2.6
18	207002	4.75	0.35	15	8.3	13.8
19	76230	1.75	0.50	10	9.8	8.6
20	198802	4.56	0.50	10	9.8	22.4
21	277690	6.38	0.50	10	9.8	31.3
22	86207	1.98	0.50	10	9.8	9.7
23	39213	0.90	0.50	10	9.8	4.4
24	5415S1	21.62	0.90	10	9.8	190.8
25	165086	3.79	0.35	10	8.3	11.0
26	202645	4.65	0.50	10	9.8	22.8
27	143285	3.29	0.50	10	9.8	16.1
28	88428	2.03	0.50	10	9.8	10.0

LEGEND

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

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)	Velocity (fps)	Head Loss (ft)	Flow Time (Min)	Time at D/S (Min)	Δ Velocity Head (ft)	Hydraulic Grade Upstream	Hydraulic Grade Downstream	Proposed Grade
Line D1																						
2+36.27	2+13.67	22.60	12A	2.18	2.18	0.50	1.09	1.09	10.00	100	9.80	10.7	0.0022	24	3.4	0.18	0.11	10.11	0.18		528.21	530.00
2+13.67	1+73.67	40.00	12	0.32	0.32	0.50	0.16	1.25	10.00	100	9.80	12.2	0.0029	24	3.9	0.24	0.17	10.17	0.06	528.16	528.11	530.48
1+73.67	1+56.59	17.17	11	1.19	1.19	0.50	0.60	1.84	10.00	100	9.80	18.1	0.0064	24	5.8	0.51	0.05	10.05	0.28	527.99	527.71	530.48
1+56.59																				527.60		
Line D2																						
1+39.91	0+58.72	81.19	2	1.29	1.29	0.50	0.64	0.64	10.00	100	9.80	6.3	0.0008	24	2.0	0.06	0.67	10.67	0.06	533.43	533.37	541.03
0+58.72	0+00.00	58.72	1	1.49	1.49	0.50	0.75	1.39	10.00	100	9.80	13.6	0.0036	24	4.3	0.29	0.23	10.23	0.23	533.30	533.07	540.53
0+00.00																				532.86		0.00
Line D3																						
2+10.43	1+76.19	34.24	13	0.53	0.53	0.90	0.47	0.47	10.00	100	9.80	4.6	0.0004	24	1.5	0.03	0.39	10.39	0.03	547.89	547.86	550.99
1+76.19	1+66.52	9.67	Bend	0.00	0.00	0.90	0.00	0.47	10.00	100	9.80	4.6	0.0004	24	1.5	0.03	0.11	10.11	0.00	547.85	547.85	550.60
1+66.52	0+00.00	166.52	15	0.47	0.47	0.90	0.43	0.90	10.00	100	9.80	8.8	0.0015	24	2.8	0.12	0.99	10.99	0.09	547.84	547.75	550.99
0+00.00																				547.50		
Line D4																						
10+23.08	8+81.68	141.40	26,27	7.94	7.94	0.50	3.97	3.97	10.00	100	9.80	38.9	0.0034	36	5.5	0.47	0.43	10.43	0.47	538.25	537.77	544.76
8+81.68	2+23.12	658.56	D6	2.78	2.72	0.50	1.36	5.33	10.00	100	9.80	52.2	0.0061	36	7.4	0.85	1.49	11.49	0.38	537.29	536.92	542.93
2+23.12	1+34.81	88.31	9,10	3.22	3.71	0.63	2.35	7.68	10.00	100	9.80	75.2	0.0056	42	7.8	0.95	0.19	10.19	0.10	532.88	532.77	536.81
1+34.81																				532.28		
Line D5																						
1+99.56	1+57.64	41.92	4	2.59	2.59	0.50	1.29	1.29	10.00	100	9.80	12.7	0.0031	24	4.0	0.25	0.17	10.17	0.25	2.12	1.87	540.69
1+57.64	0+04.00	153.64	3	1.67	1.67	0.50	0.83	2.13	10.00	100	9.80	20.8	0.0085	24	6.6	0.68	0.39	10.39	0.43	1.74	1.30	540.69
0+04.00																				0.00		
Line D6																						
0+83.05	0+36.55	46.50	7	1.41	1.39	0.50	0.70	0.70	10.00	100	9.80	6.8	0.0042	18	3.9	0.23	0.20	10.20	0.23	538.09	537.86	544.06
0+36.55	0+00.00	36.55	8	1.37	1.33	0.50	0.67	1.36	10.00	100	9.80	13.3	0.0035	24	4.2	0.28	0.14	10.14	0.05	537.66	537.61	543.52
0+00.00															7.4	0.85			0.57	537.48	536.92	
Line D7																						
8+79.17	7+97.99	81.18	28	2.03	2.03	0.50	1.02	1.02	10.00	100	9.80	10.0	0.0090	18	5.6	0.49	0.24	10.24	0.49	535.12	534.62	542.25
7+97.99	4+12.32	385.67	5,6,6A	2.78	2.78	0.53	1.49	2.50	10.00	100	9.80	24.6	0.0118	24	7.8	0.95	0.82	10.82	0.46	533.89	533.43	541.15
4+12.32	0+66.24	346.08	14,19	2.40	2.40	0.61	1.46	3.96	10.00	100	9.80	38.9	0.0090	30	7.9	0.97	0.73	10.73	0.02	528.86	528.84	532.94
0+66.24	0+00.00	66.24	Future	4.56	4.56	0.50	2.28	6.24	10.00	100	9.80	61.3	0.0037	42	6.4	0.63	0.17	10.17	-0.17	525.73	525.25	528.16
0+00.00																				525.00		

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

BENCHMARK:

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

N

0 50 100 200
SCALE: 1" = 100'

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

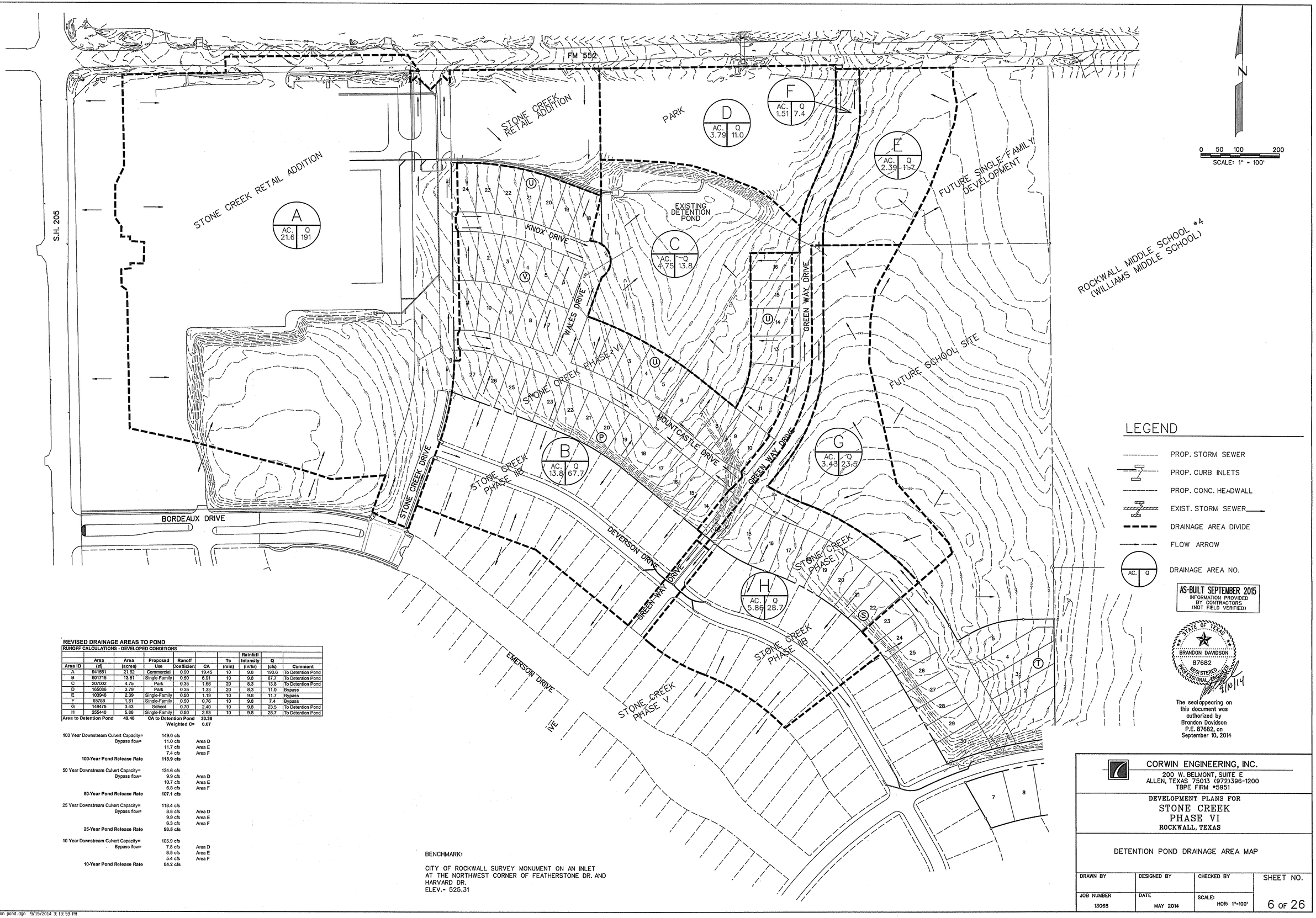
The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

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

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

DRAINAGE AREA MAP
SHEET 2 OF 2

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: 1"=100'	5 OF 26



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 SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

REVISED DRAINAGE AREAS TO POND

RUNOFF CALCULATIONS - DEVELOPED CONDITIONS

	Area	Area	Proposed	Runoff		Tc	Rainfall Intensity	Q	
Area ID	(sf)	(acres)	Use	Coefficien	CA	(min)	(in/hr)	(cfs)	Comment
A	941551	21.62	Commercial	0.90	19.45	10	9.8	190.6	To Detention Pond
B	601715	13.81	Single-Family	0.50	6.91	10	9.8	67.7	To Detention Pond
C	207002	4.75	Park	0.35	1.66	20	8.3	13.8	To Detention Pond
D	165056	3.79	Park	0.35	1.33	20	8.3	11.0	Bypass
E	103946	2.39	Single-Family	0.50	1.19	10	9.8	11.7	Bypass
F	65768	1.51	Single-Family	0.50	0.76	10	9.8	7.4	Bypass
G	149475	3.43	School	0.70	2.40	10	9.8	23.5	To Detention Pond
H	255440	5.86	Single-Family	0.50	2.93	10	9.8	28.7	To Detention Pond
Area to Detention Pond		49.48	CA to Detention Pond		33.36				
			Weighted C=		0.67				

100 Year Downstream Culvert Capacity=	149.0 cfs	
Bypass flow=	11.0 cfs	Area D
	11.7 cfs	Area E
	7.4 cfs	Area F
100-Year Pond Release Rate	**118.9 cfs**	
50 Year Downstream Culvert Capacity=	134.6 cfs	
Bypass flow=	9.9 cfs	Area D
	10.7 cfs	Area E
	6.8 cfs	Area F
50-Year Pond Release Rate	**107.1 cfs**	
25 Year Downstream Culvert Capacity=	118.4 cfs	
Bypass flow=	8.8 cfs	Area D
	9.9 cfs	Area E
	6.3 cfs	Area F
25-Year Pond Release Rate	**93.5 cfs**	
10 Year Downstream Culvert Capacity=	105.9 cfs	
Bypass flow=	7.8 cfs	Area D
	8.5 cfs	Area E
	5.4 cfs	Area F
10-Year Pond Release Rate	**84.2 cfs**	

BENCHMARK:

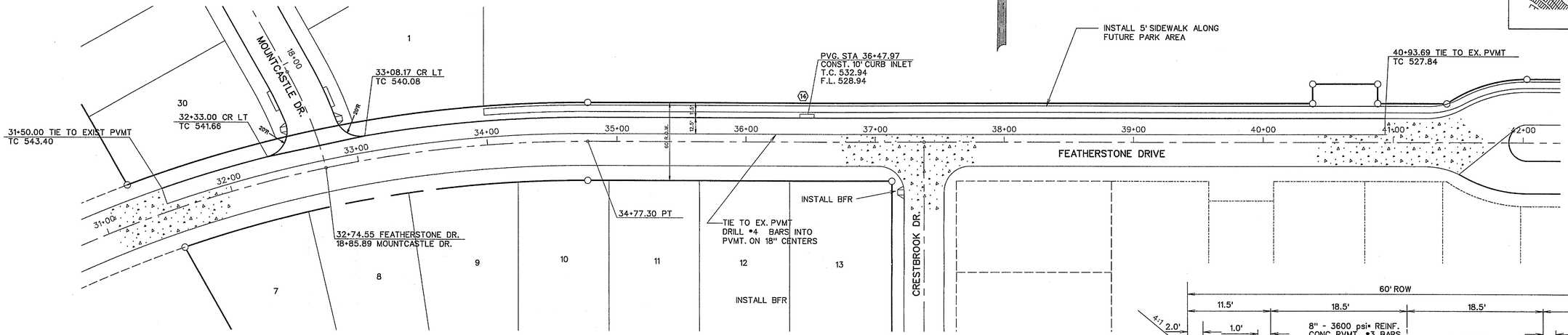
CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR.
ELEV.- 525.31

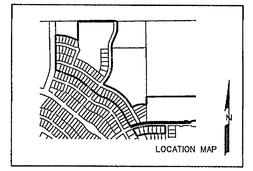
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK PHASE VI
ROCKWALL, TEXAS

DETENTION POND DRAINAGE AREA MAP

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
			6 OF 26
JOB NUMBER	DATE	SCALE:	
13068	MAY 2014	HOR: 1"=100'	



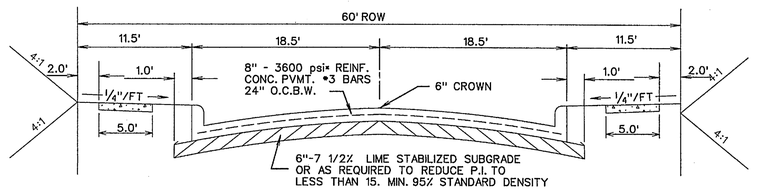


N

SCALE: 1" = 40'

BENCHMARK:

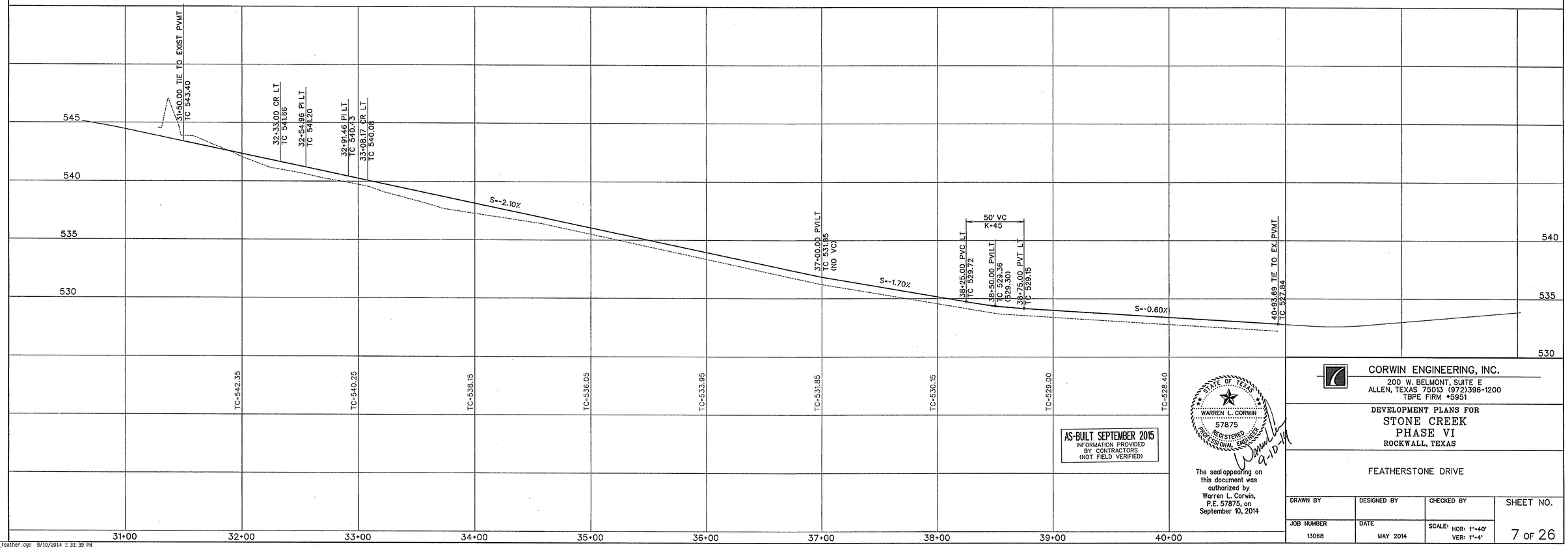
CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR.
ELEV.- 525.31



ULTIMATE PAVEMENT SECTION - 37' B-B

N.T.S.

*CONCRETE SHALL BE A 6 SACK MIX IF MACHINE POURED OR 6½SACK MIX IF HAND POURED



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

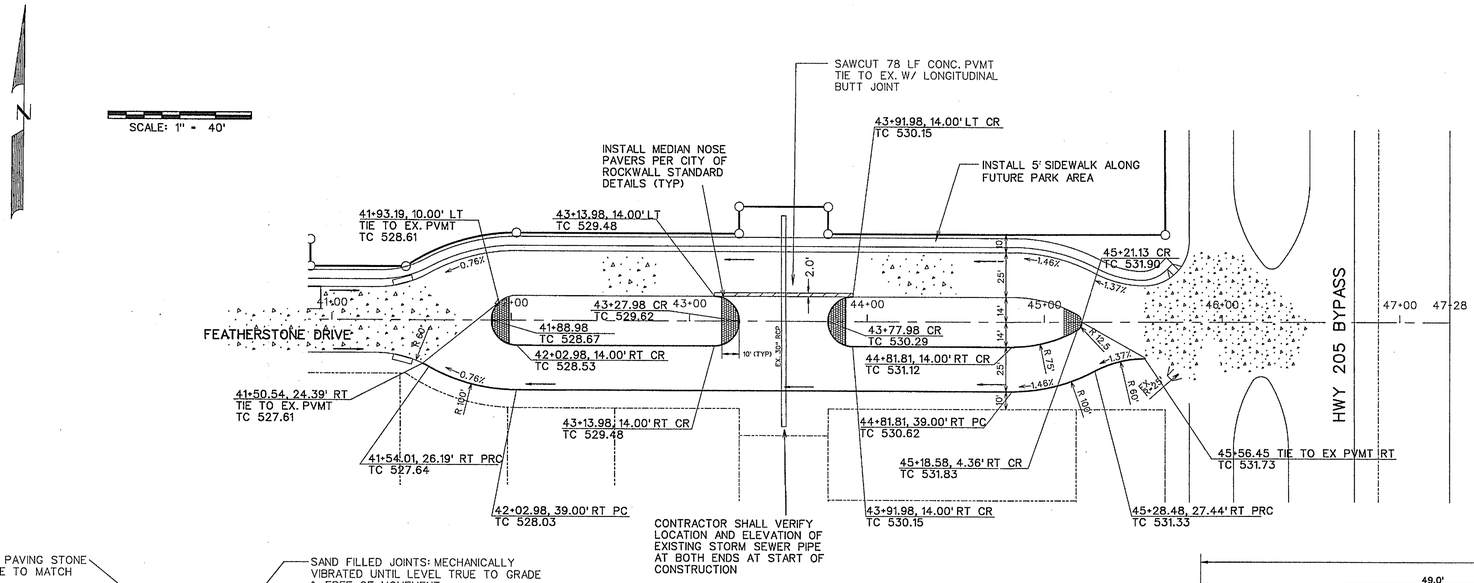
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

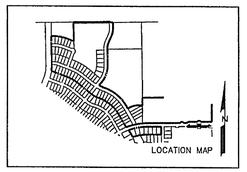
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

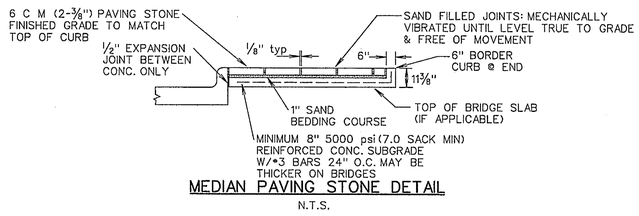
FEATHERSTONE DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	7 OF 26

...\dgn\13068_feather.dgn 9/10/2014 1:31:39 PM





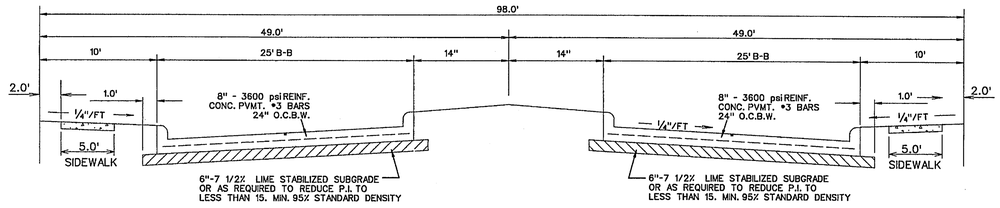


MEDIAN PAVING STONE DETAIL

N.T.S.

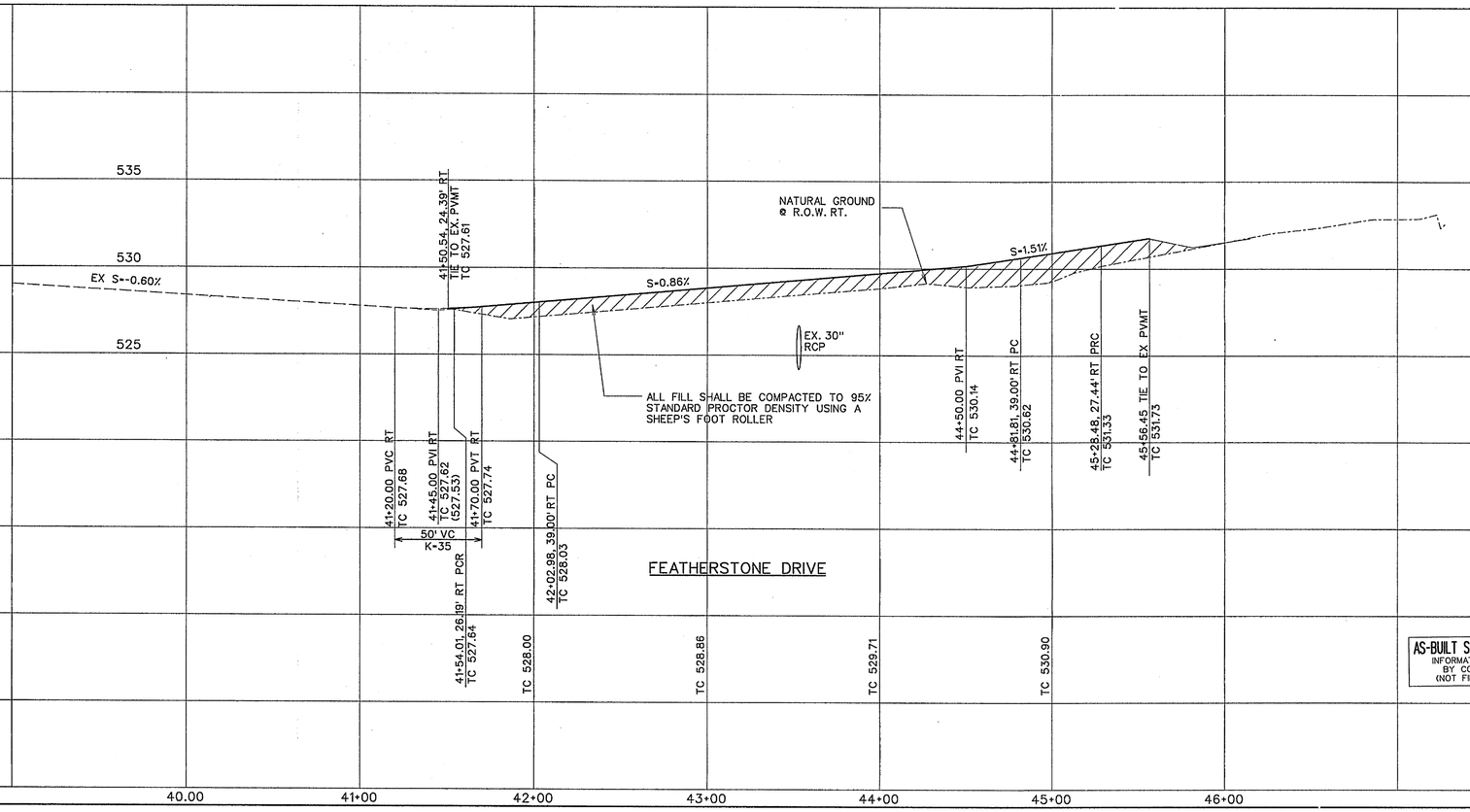
BENCHMARK:

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



TYPICAL SECTION - FEATHERSTONE

N.T.S.



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

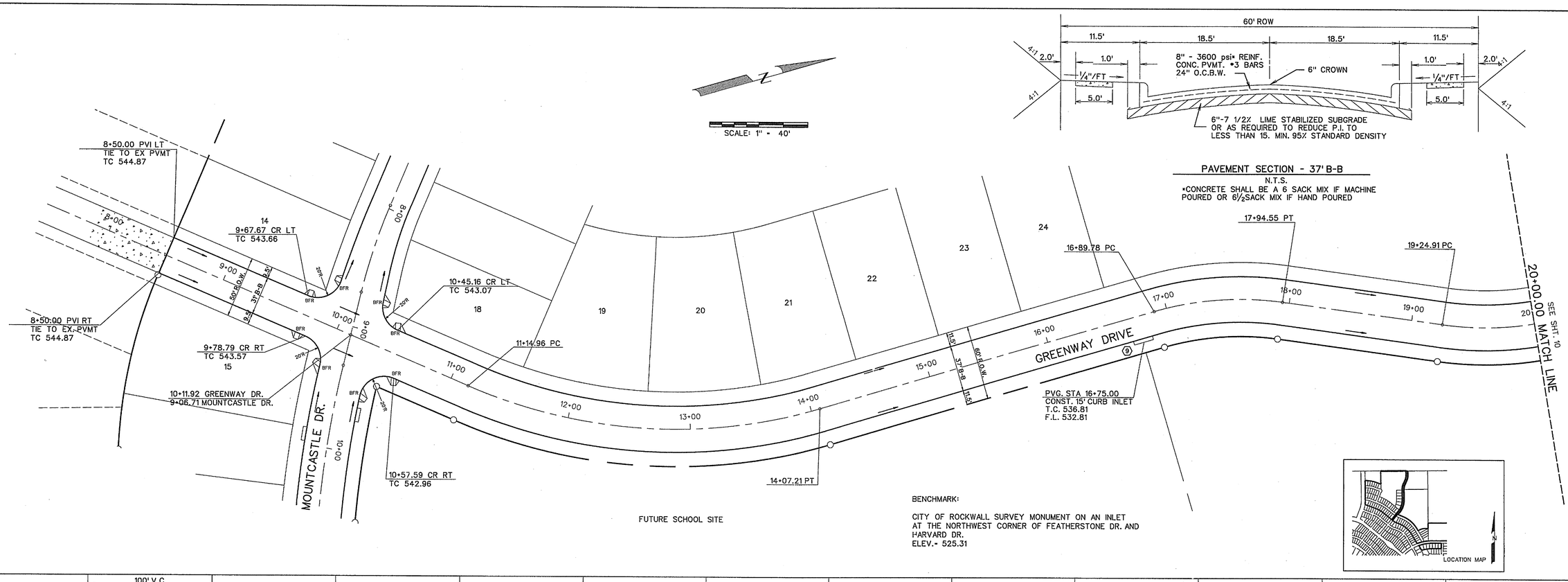
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

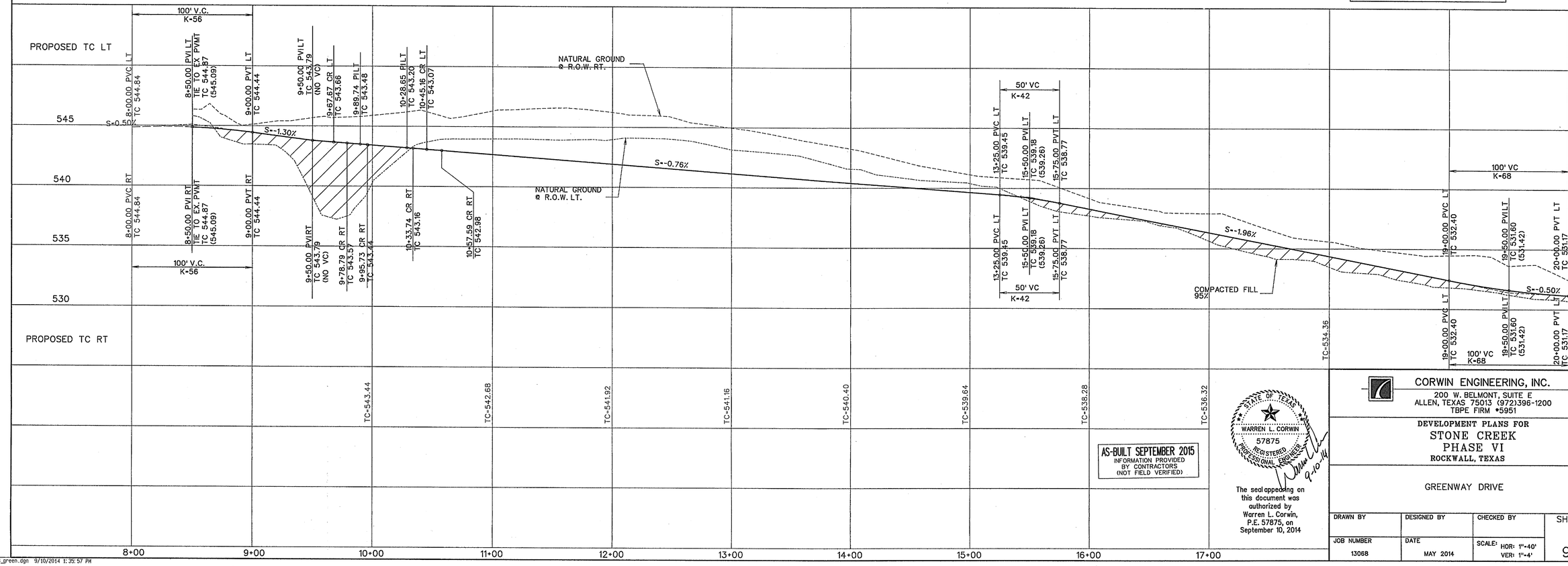
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

FEATHERSTONE DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	8 OF 26

...\dgn\13068_feather2.dgn 9/10/2014 1:32:18 PM





AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

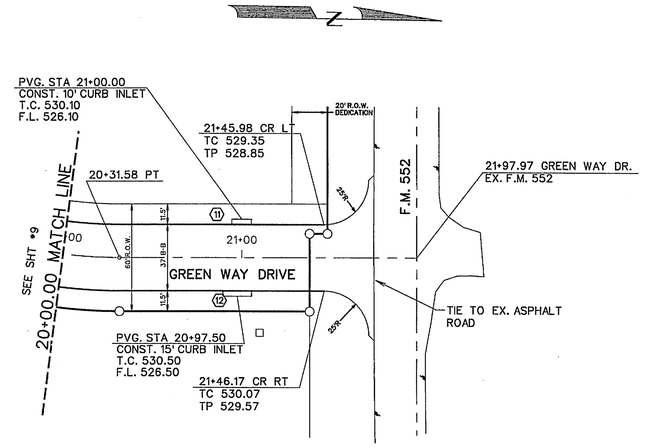
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

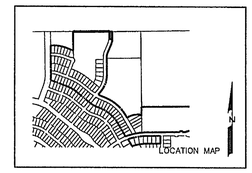
DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

GREENWAY DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	9 OF 26

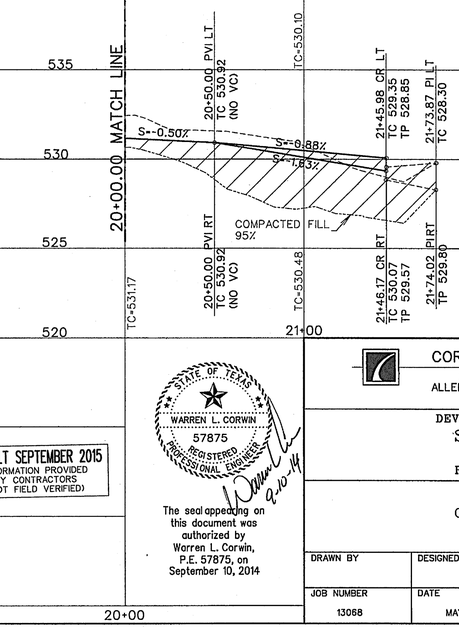
SCALE: 1" = 40'





BENCHMARK:

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



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

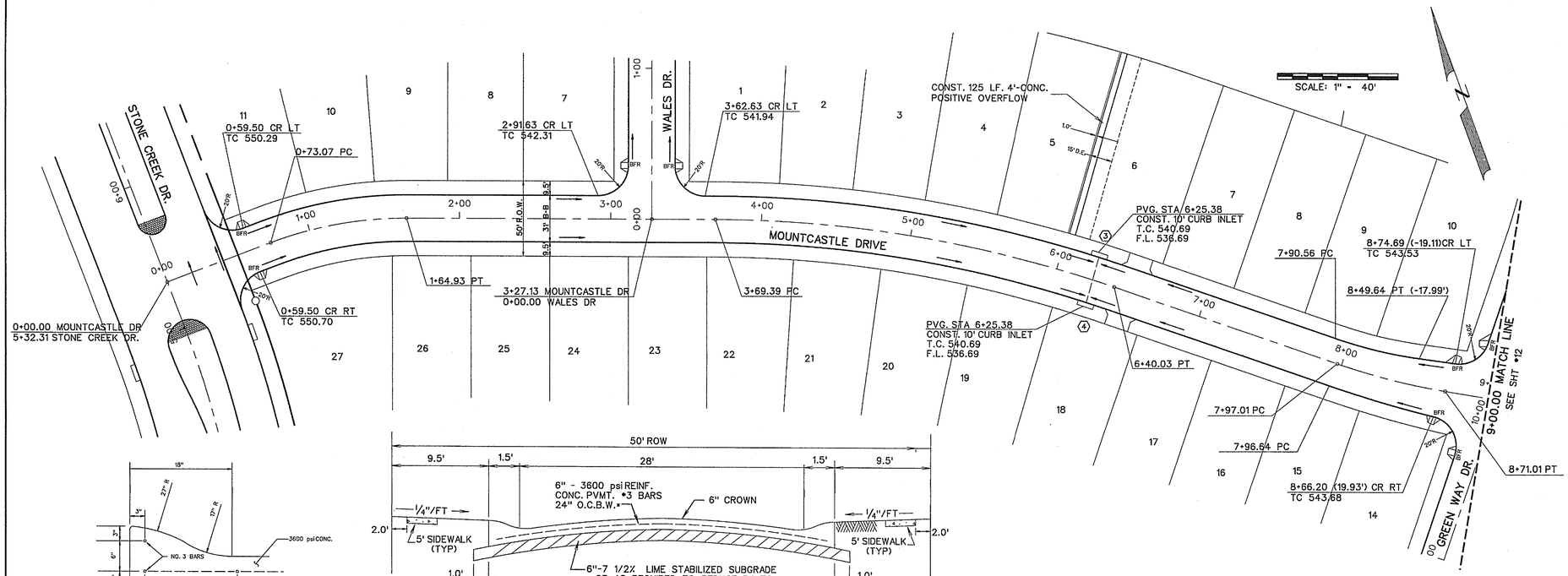
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

GREEN WAY DRIVE

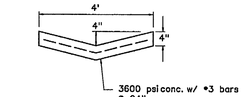
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	10 OF 26

...\dgn\13068_green2.dgn 9/10/2014 1:36:28 PM



MONOLITHIC CURB
N.T.S.

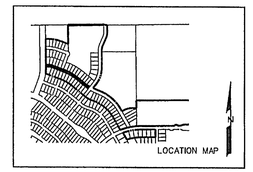
TYPICAL PAVEMENT SECTION - LAYDOWN CURB
N.T.S.
*MIN. 6 1/2 SACK MIX IF HAND PLACED

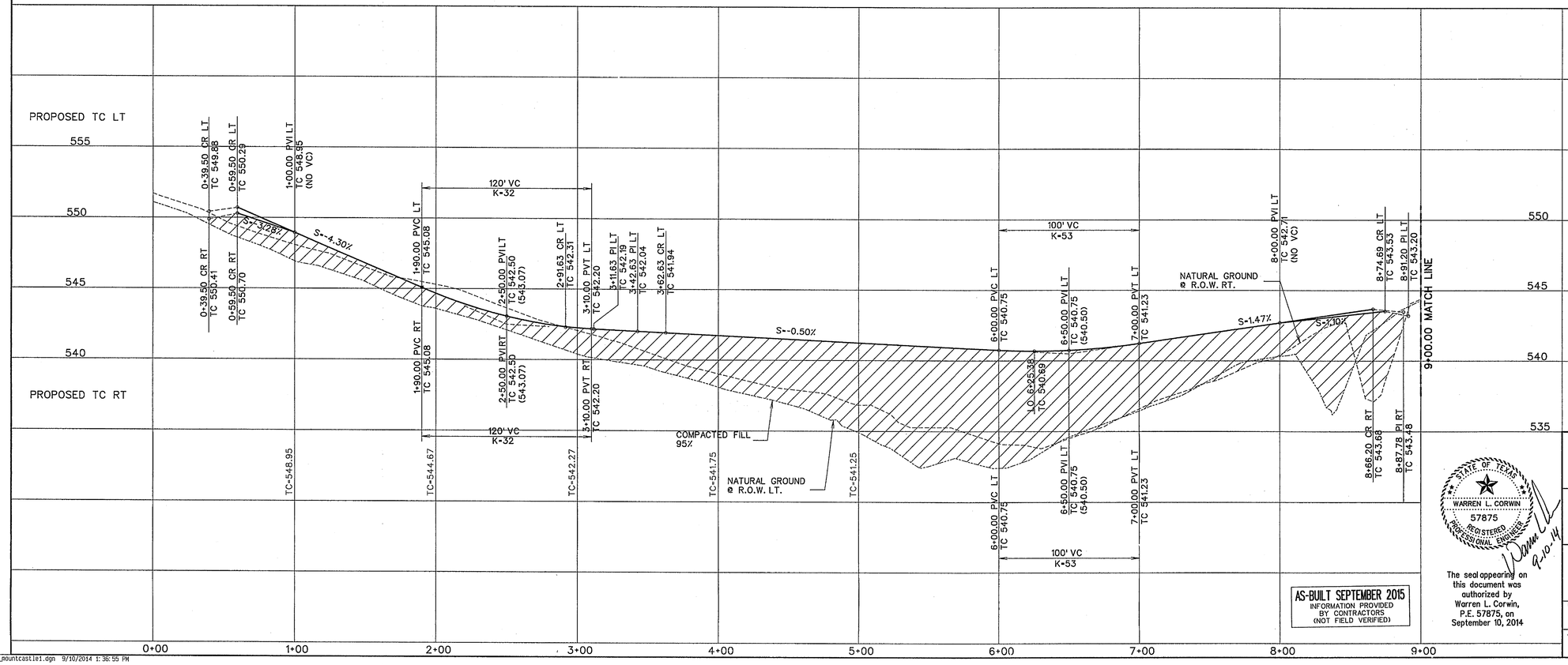


POSITIVE OVERFLOW DETAIL
NTS

BENCHMARK:

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





AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED
BY CONTRACTORS
(NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED
PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014.

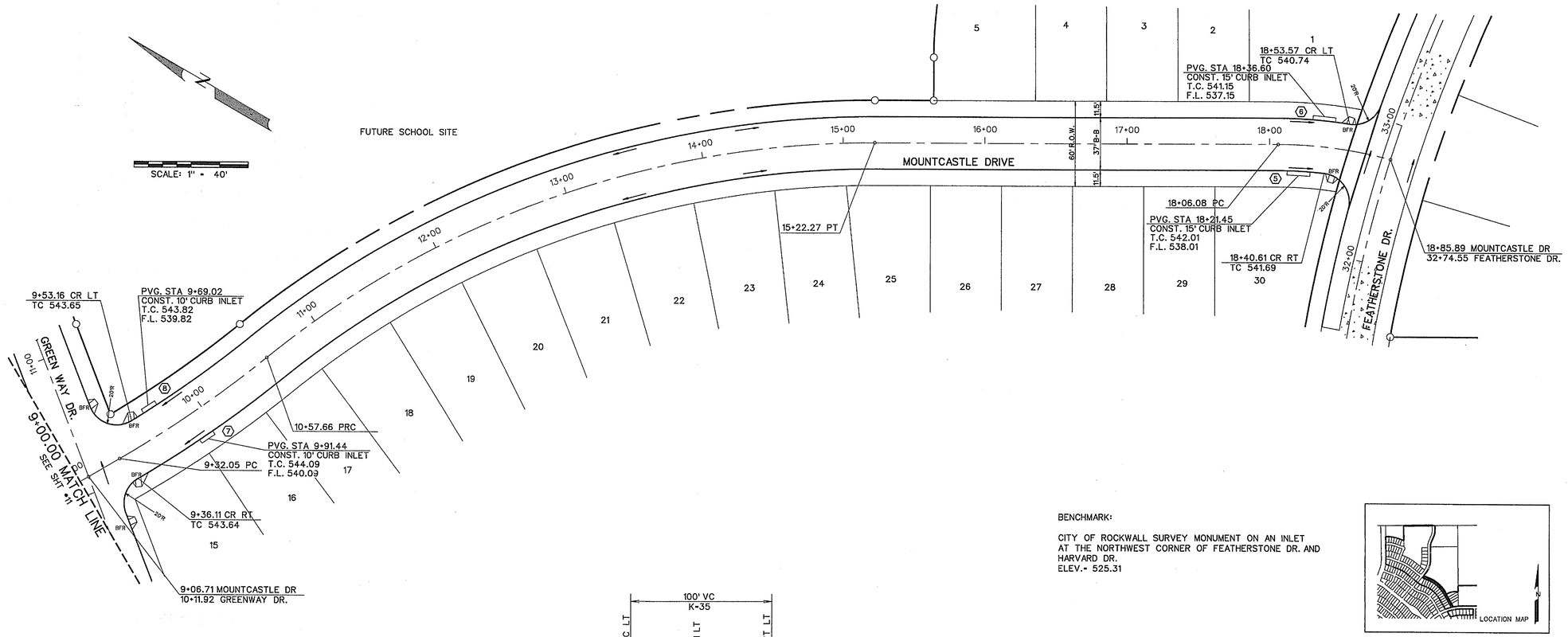
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

MOUNTCASTLE DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13088	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	11 OF 26

...\dgn\13088_mountcastle1.dgn 9/10/2014 1:36:55 PM



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS
(NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

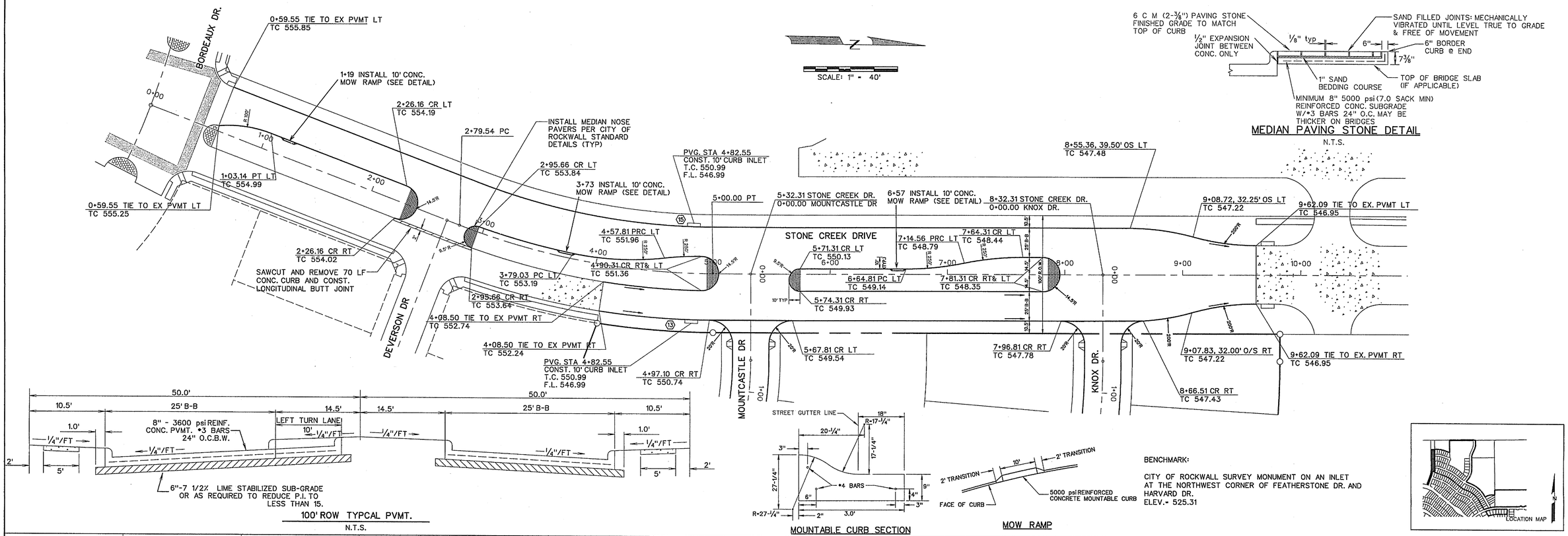
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

MOUNTCASTLE DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	12 OF 26

...\dgn\13068_mountcastle2.dgn 9/10/2014 1:37:30 PM



100' ROW TYPCAL PVMT.
N.T.S.

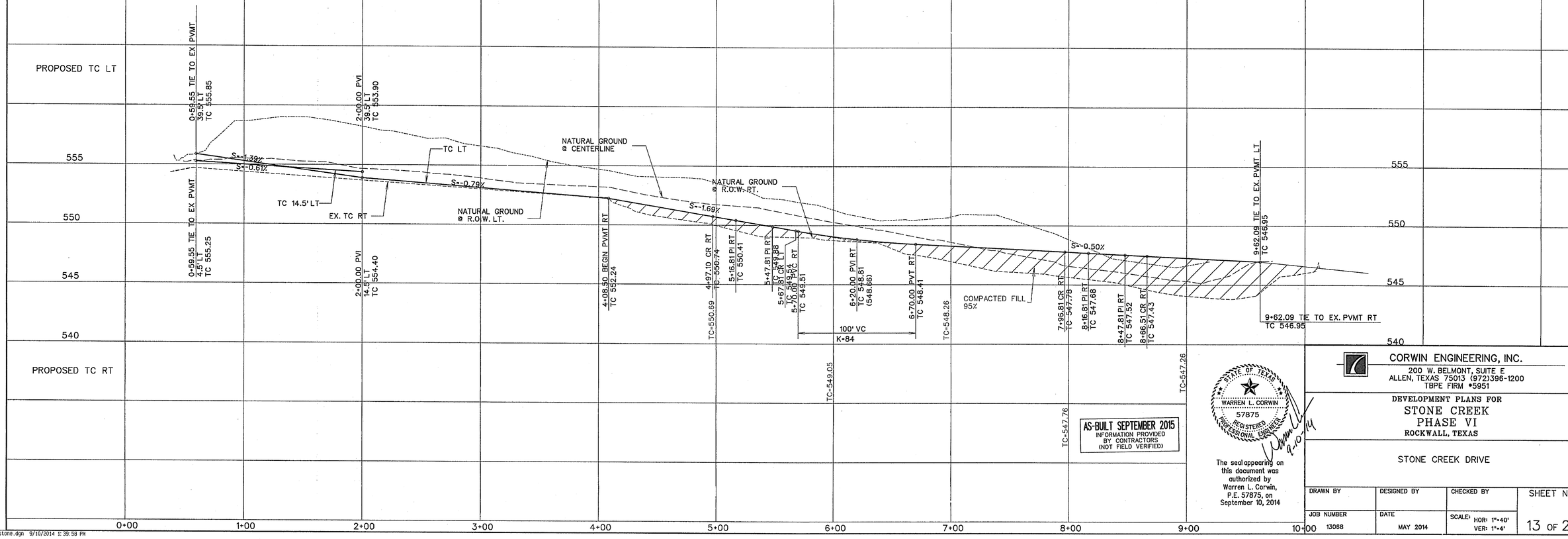
MOUNTABLE CURB SECTION

MOW RAMP

MEDIAN PAVING STONE DETAIL
N.T.S.

BENCHMARK:

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



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

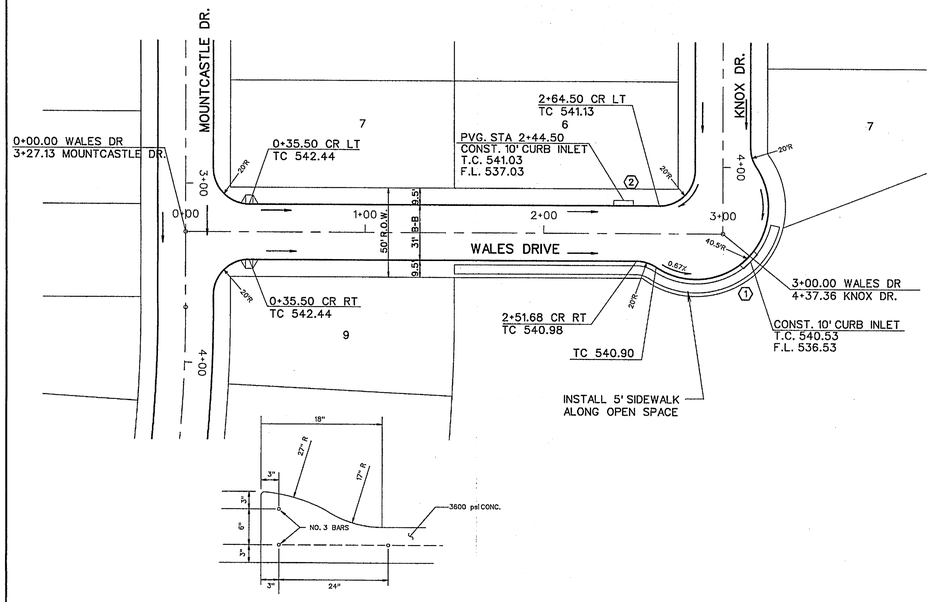
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

STONE CREEK DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	13 OF 26

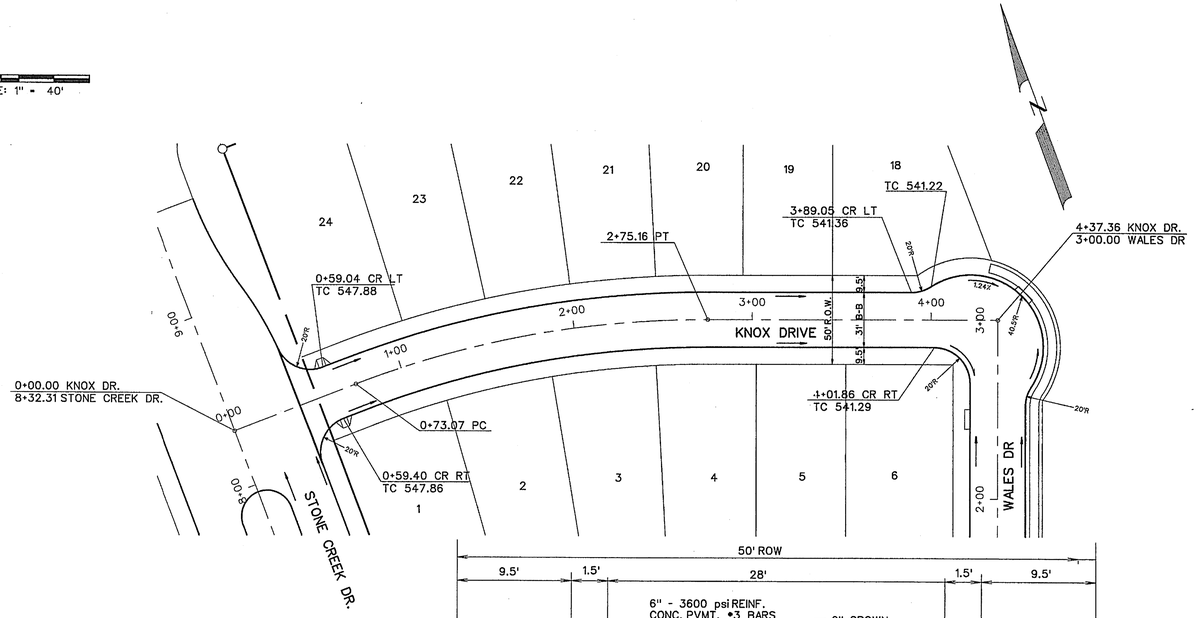
...\dgn\13068_stone.dgn 9/10/2014 1:39:58 PM



MONOLITHIC CURB

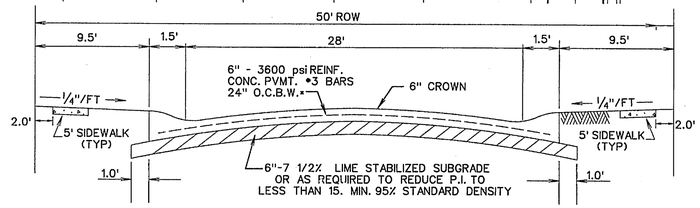
N.T.S.

SCALE: 1" = 40'



BENCHMARK:

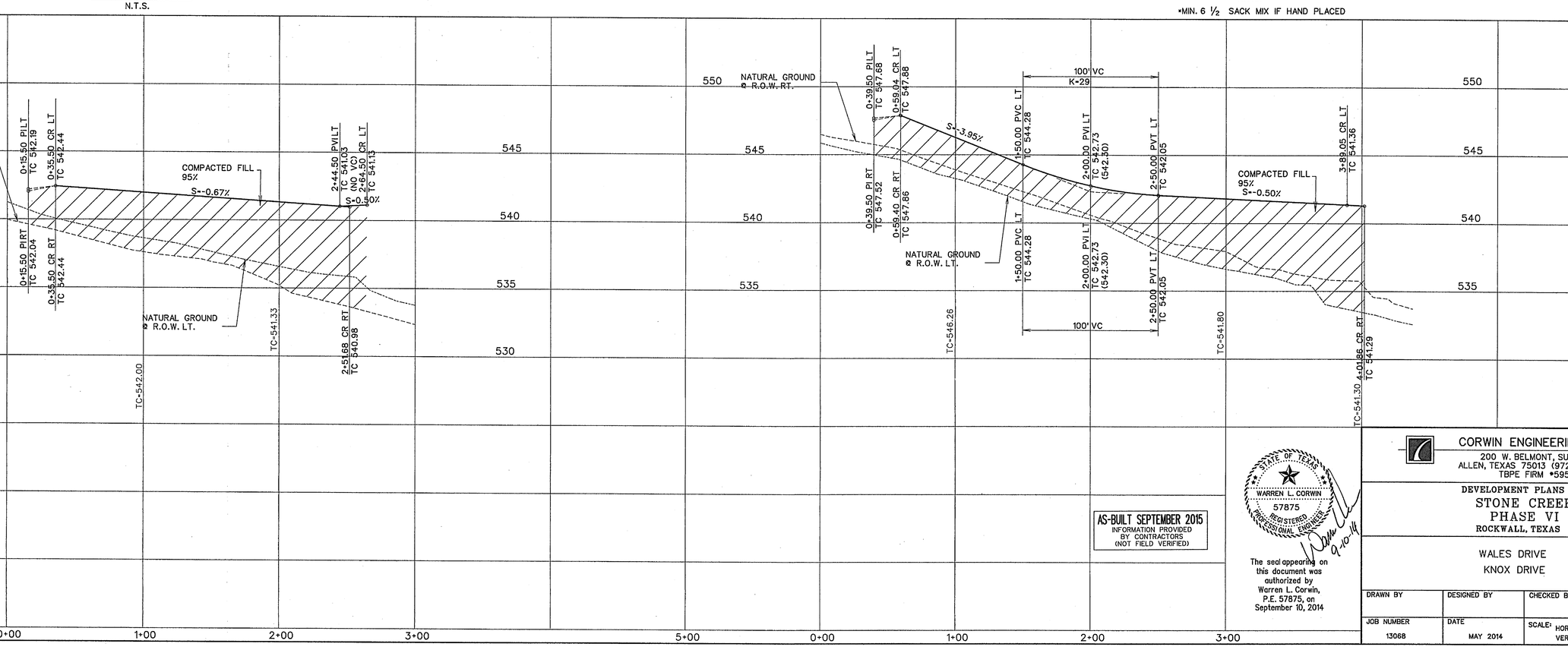
CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR.
ELEV.- 525.31



TYPICAL PAVEMENT SECTION - LAYDOWN CURB

N.T.S.

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



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED
PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

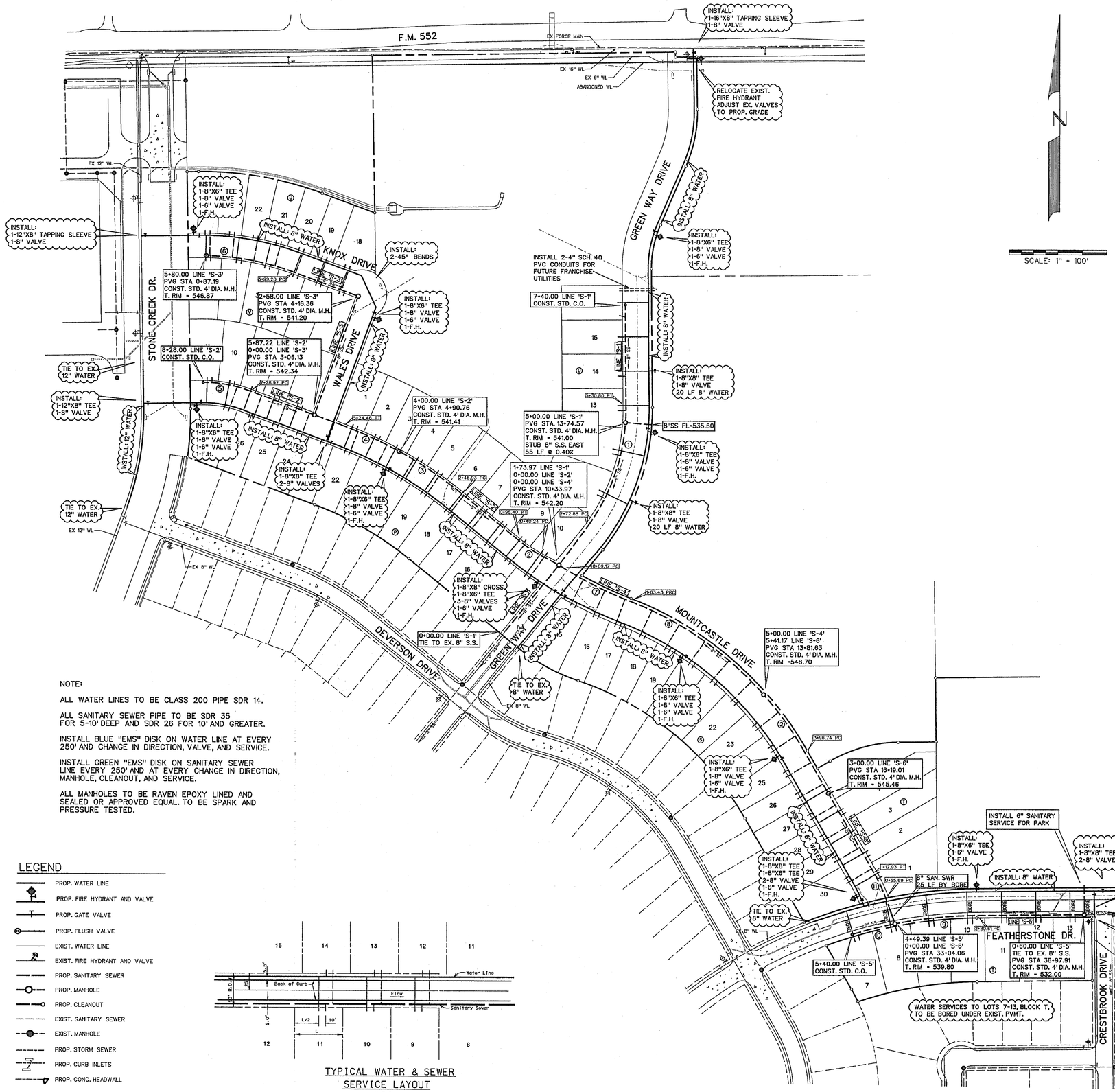
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

WALES DRIVE
KNOX DRIVE

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	14 OF 26

...\dgn\13068_walesknox.dgn 9/10/2014 1:41:13 PM



CURVE TABLE

Ⓧ	CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT
	1.	36°51'07"	401.00'	257.92'	133.60'
	2.	10°55'35"	294.50'	56.16'	28.17'
	3.	10°22'00"	846.00'	153.07'	76.74'
	4.	08°25'46"	846.00'	124.46'	62.34'
	5.	20°18'52"	271.00'	96.08'	48.55'
	6.	19°34'57"	529.00'	180.80'	91.29'
	7.	11°06'09"	796.00'	154.25'	77.36'
	8.	27°23'35"	704.00'	336.58'	171.57'
	9.	10°13'59"	945.00'	168.78'	84.61'
	10.	05°29'38"	945.00'	90.61'	45.34'
	11.	09°58'09"	329.00'	57.24'	28.69'
	12.	11°45'16"	704.00'	144.43'	72.47'

BENCHMARK:

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

SERVICE SCHEDULE		
TYPE	SIZE	NO.
SANITARY	4"	76
WATER	1"	76

NOTE:

ALL WATER LINES TO BE CLASS 200 PIPE SDR 14.

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.

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

TYPICAL WATER & SEWER SERVICE LAYOUT
N.T.S.

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

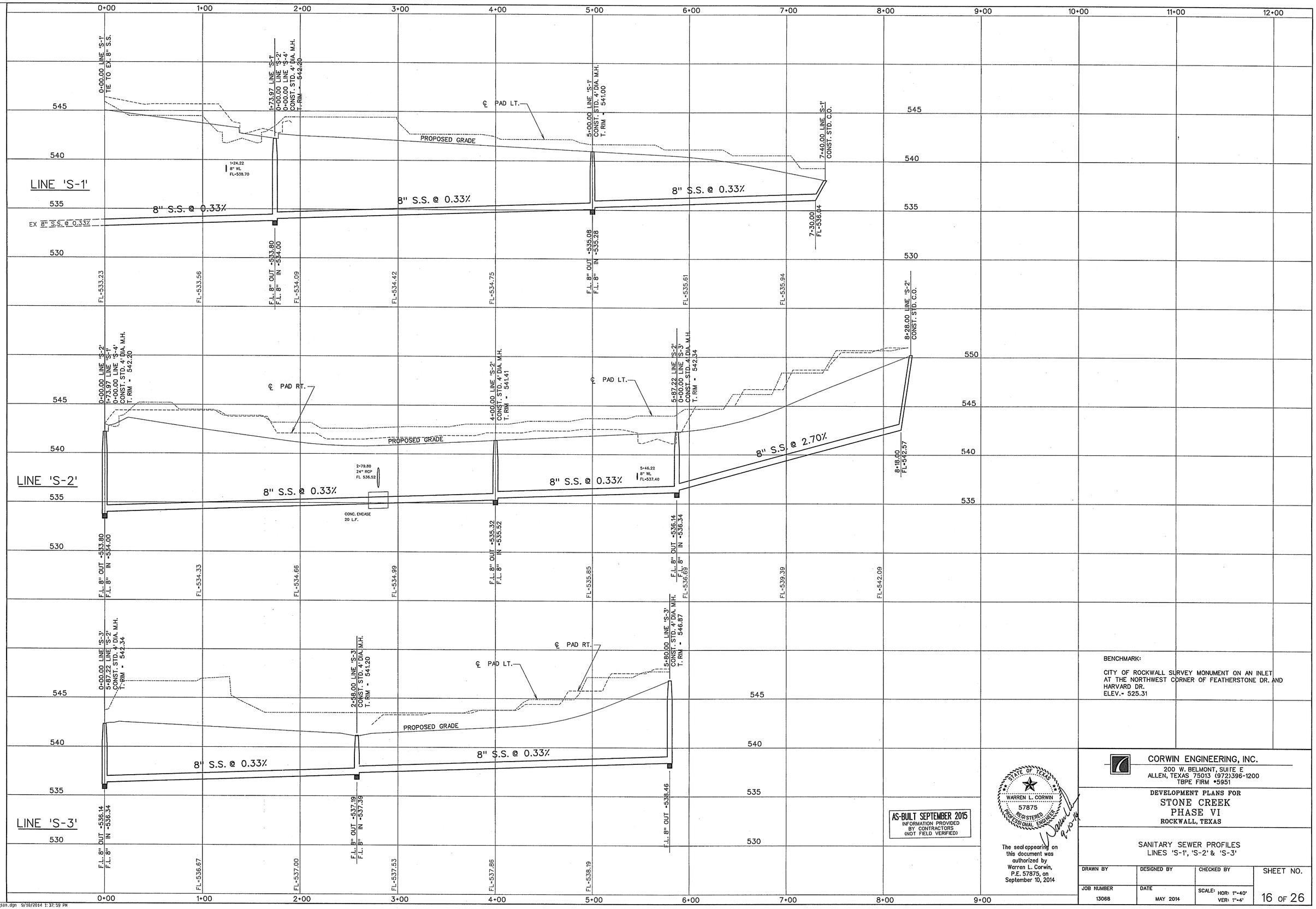
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

WATER AND SANITARY SEWER PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: 1"=100'	15 OF 26

...\dgn\13068_ws.dgn 9/16/2014 11:41:43 AM



BENCHMARK:

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

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

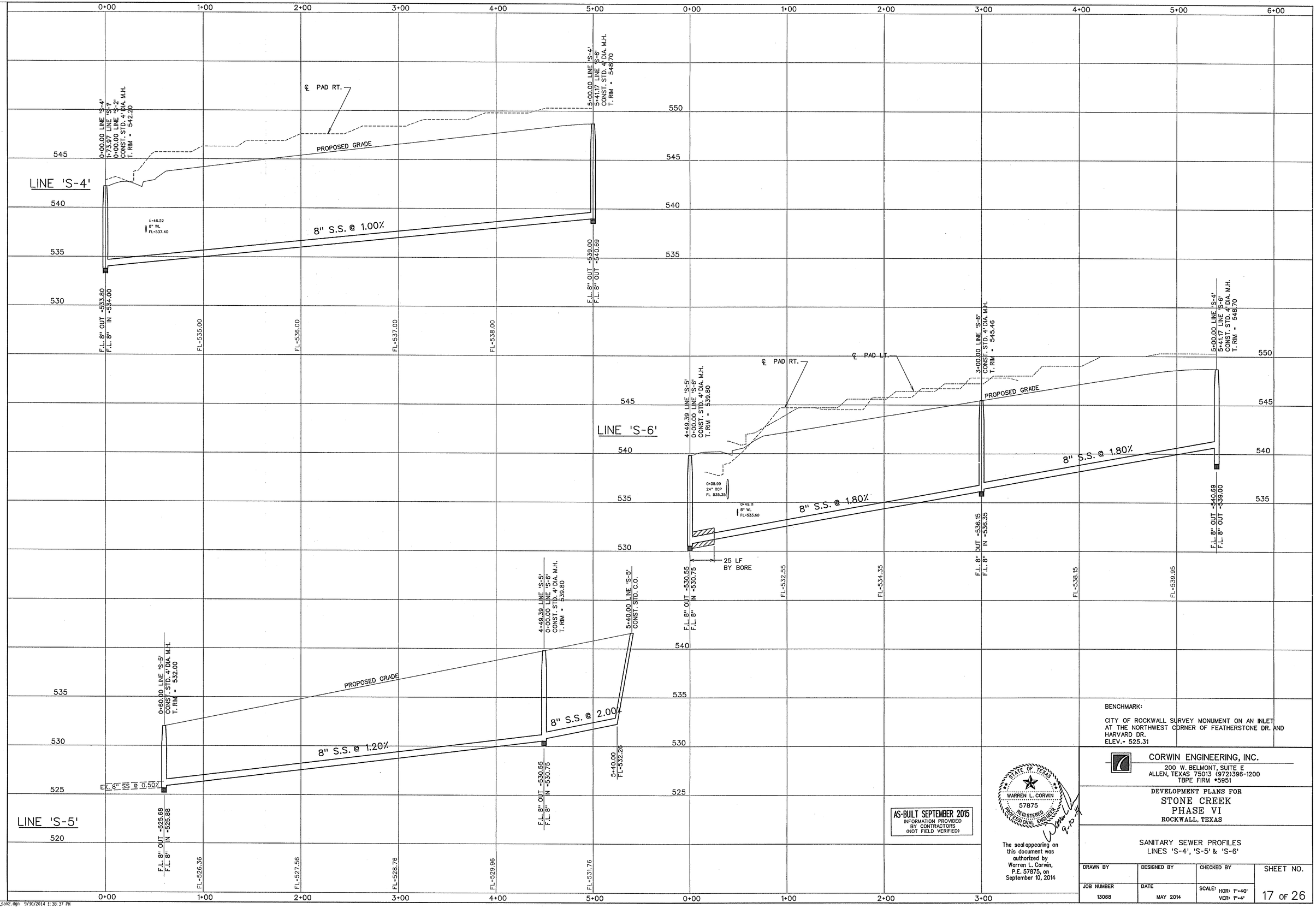
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

SANITARY SEWER PROFILES
LINES 'S-1', 'S-2' & 'S-3'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	16 OF 26

...\dgn\13068_san.dgn 9/10/2014 1:37:59 PM



BENCHMARK:

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

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

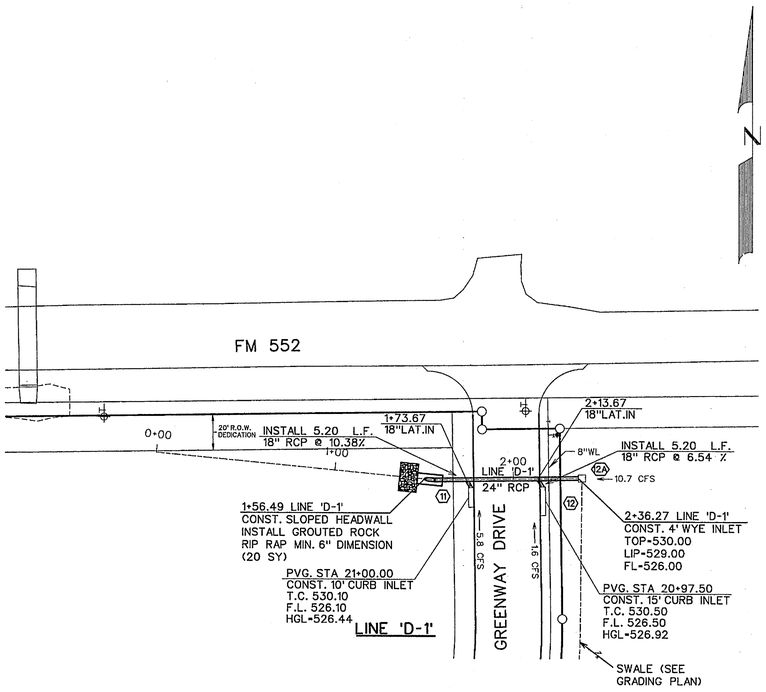
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

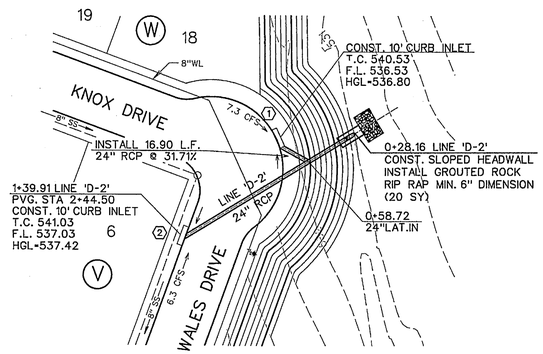
SANITARY SEWER PROFILES
LINES 'S-4', 'S-5' & 'S-6'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13088	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	17 OF 26

...\dgn\13088_san2.dgn 9/10/2014 1:38:37 PM

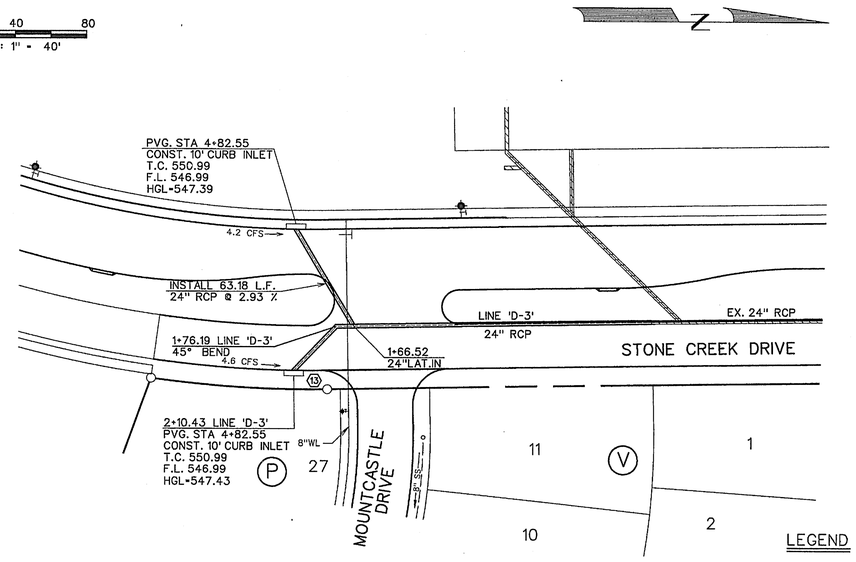


LINE 'D-1'



LINE 'D-2'

0 20 40 80
SCALE: 1" = 40'



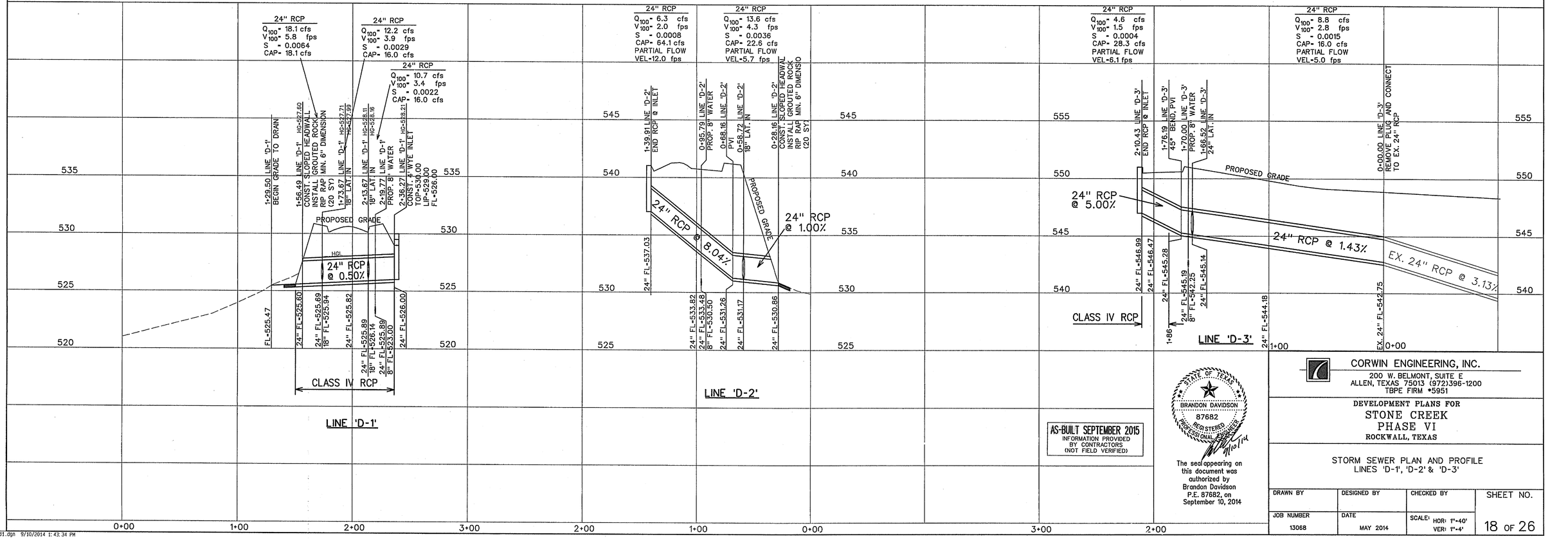
LINE 'D-3'

BENCHMARK:

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

LEGEND

- (B) - BLOCK LABEL
- (19) - INLET NUMBER
- (1) - CURVE NUMBER
- —o— - SANITARY SEWER
- —T— - WATER
- ═══ - PROPOSED STORM SEWER
- ZZZZZZ - EXISTING STORM SEWER



LINE 'D-1'

LINE 'D-2'

LINE 'D-3'

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

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

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINES 'D-1', 'D-2' & 'D-3'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13088	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	18 OF 26

PVG. STA 16+75.00
CONST. 15' CURB INLET
T.C. 536.81
F.L. 532.81
HGL-533.12

INSTALL 46.00 L.F.
42" RCP @ 0.50 %

PVG. STA. 16+47.73, 40' RT
CONST. 4' WYE INLET
TOP-536.00
LIP-535.00
FL-529.27

SWALE (SEE GRADING PLAN)

14.7 CFS

8.3 CFS

INSTALL 10.62 L.F.
24" RCP @ 35.16%

LINE 'D-4'
36" RCP

GREENWAY DRIVE

PC 4+90.91

2+23.12 LINE 'D-4'
CONST. 6' STORM SEWER MANHOLE
T. RIM-536.81

LINE 'D-4'
42" RCP

1+34.81 LINE 'D-4'
CONST. TYPE 'B' HEADWALL
INSTALL GROUTED ROCK
RIP RAP-MIN. 8" DIMENSION
(35 SY)

PT 7+83.16

LINE 'D-4'
36" RCP

MOUNTCASTLE DRIVE

8.9 CFS

9.4 CFS

LINE 'D-6'
24" RCP
0.1 CFS

8+81.68 LINE 'D-4'-
0+00.00 LINE 'D-6'
CONST. 5' STORM SEWER MANHOLE
T. RIM-542.93

LINE 'D-4'
36" RCP

10+23.08 LINE 'D-4'
REMOVE EX. HEADWALL AND
CONNECT TO EX. 36" RCP

GREENWAY DRIVE

BENCHMARK:

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

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

42" RCP
Q_{100}= 75.2 cfs
V_{100}= 7.8 fps
S = 0.0056
CAP= 75.2 cfs

36" RCP
Q_{100}= 52.2 cfs
V_{100}= 7.4 fps
S = 0.0061
CAP= 52.2 cfs

36" RCP
Q_{100}= 38.9 cfs
V_{100}= 5.5 fps
S = 0.0034
CAP= 60.8 cfs
PARTIAL FLOW
VEL.-8.8 fps

0+63.27 LINE 'D-4'
BEGIN GRADE TO DRAIN

1+34.81 LINE 'D-4'
CONST. TYPE 'B' HEADWALL
HG-532.28

2+23.12 LINE 'D-4'
CONST. 6' STORM SEWER MANHOLE
T. RIM-536.81

5+40.00 LINE 'D-4'
PVI

8+00.00 LINE 'D-4'
PVI

8+61.59 LINE 'D-4'-
0+20.16 LINE 'S-4'

8+81.68 LINE 'D-4'-
0+00.00 LINE 'D-6'
CONST. 5' STORM SEWER MANHOLE
T. RIM-542.93

9+11.53 LINE 'D-4'
PROP. 8" WATER

10+23.08 LINE 'D-4'
REMOVE EX. HEADWALL AND
CONNECT TO EX. 36" RCP

PROPOSED GRADE

HGL

GRADE TO DRAIN @ 1.00%

42" RCP @ 0.30%

36" RCP @ 0.30%

36" RCP @ 2.28%

36" RCP @ 0.50%

36" RCP @ 0.83%

EX. 36" RCP @ 0.50%

I-528.06

42" FL-528.78

42" FL-528.98

42" FL-529.04
36" FL-529.54

36" FL-529.77

36" FL-530.07

36" FL-530.37

36" FL-530.50

36" FL-531.87

36" FL-534.15

36" FL-536.43

36" FL-536.75
8" FL-534.20

36" FL OUT-536.85
36" FL IN-536.85

24" FL IN-537.85

36" FL-537.00

36" FL-537.10
8" FL-534.09

36" FL-537.83

36" FL-538.02

545
540
535
530
525

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

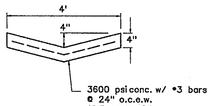
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

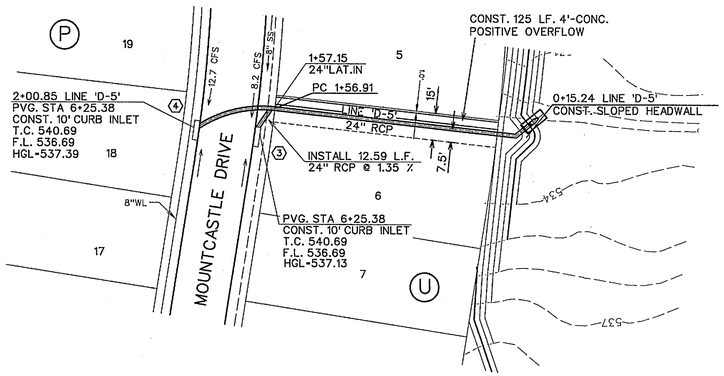
STORM SEWER PLAN AND PROFILE
LINE 'D-4'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	19 OF 26

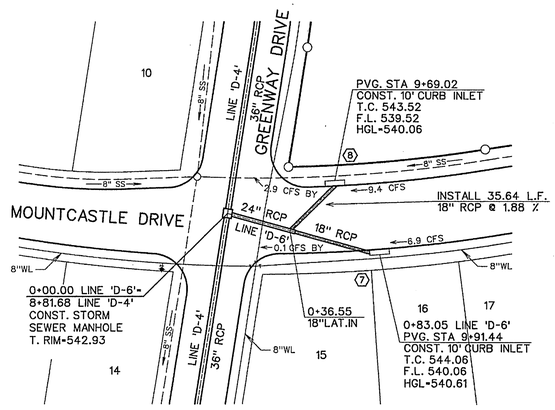
...\dgn\13068sd2.dgn 9/10/2014 1:43:57 PM



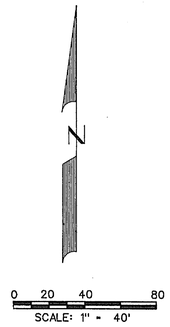
POSITIVE OVERFLOW DETAIL
NTS



LINE 'D-5'



LINE 'D-6'

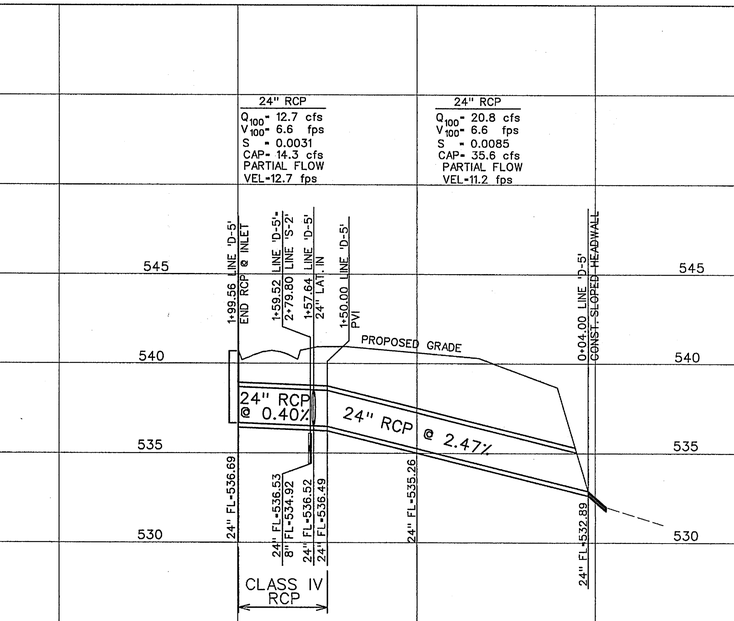


BENCHMARK:

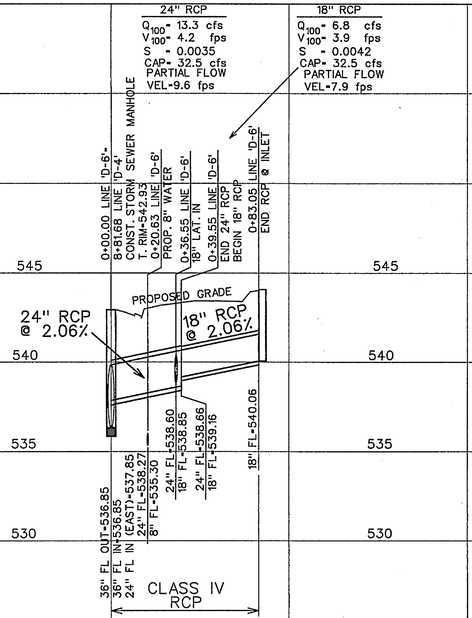
CITY OF ROCKWALL SURVEY MONUMENT ON AN INLET AT THE NORTHWEST CORNER OF FEATHERSTONE DR. AND HARVARD DR.
ELEV.= 525.31

LEGEND

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



LINE 'D-5'



LINE 'D-6'

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

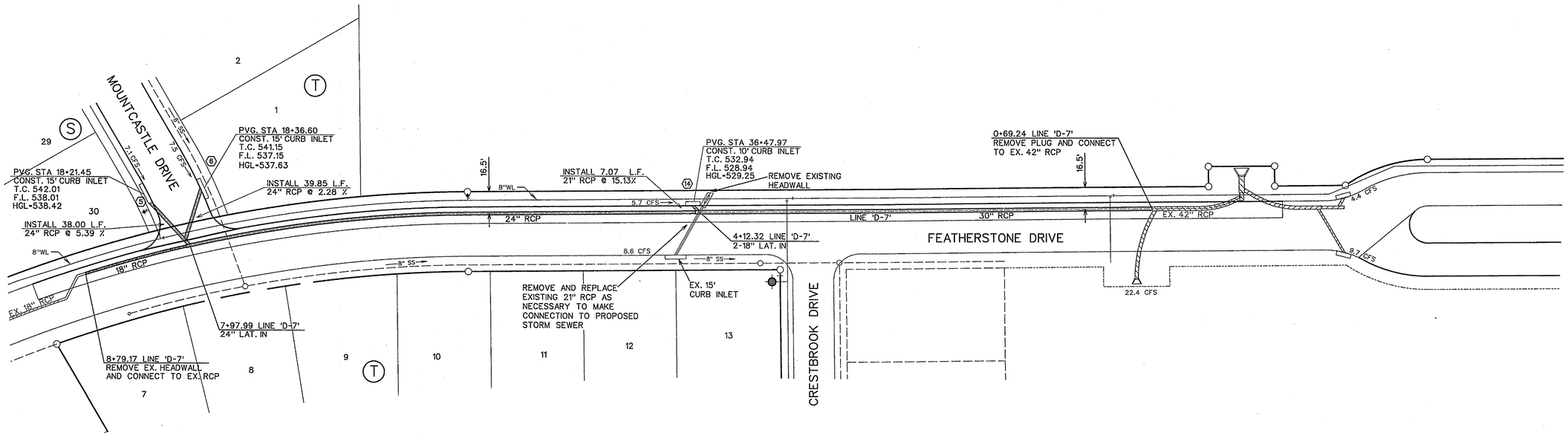
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINES 'D-5' & 'D-6'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	20 OF 26

...\dgn\13068sd3.dgn 9/10/2014 1:44:22 PM

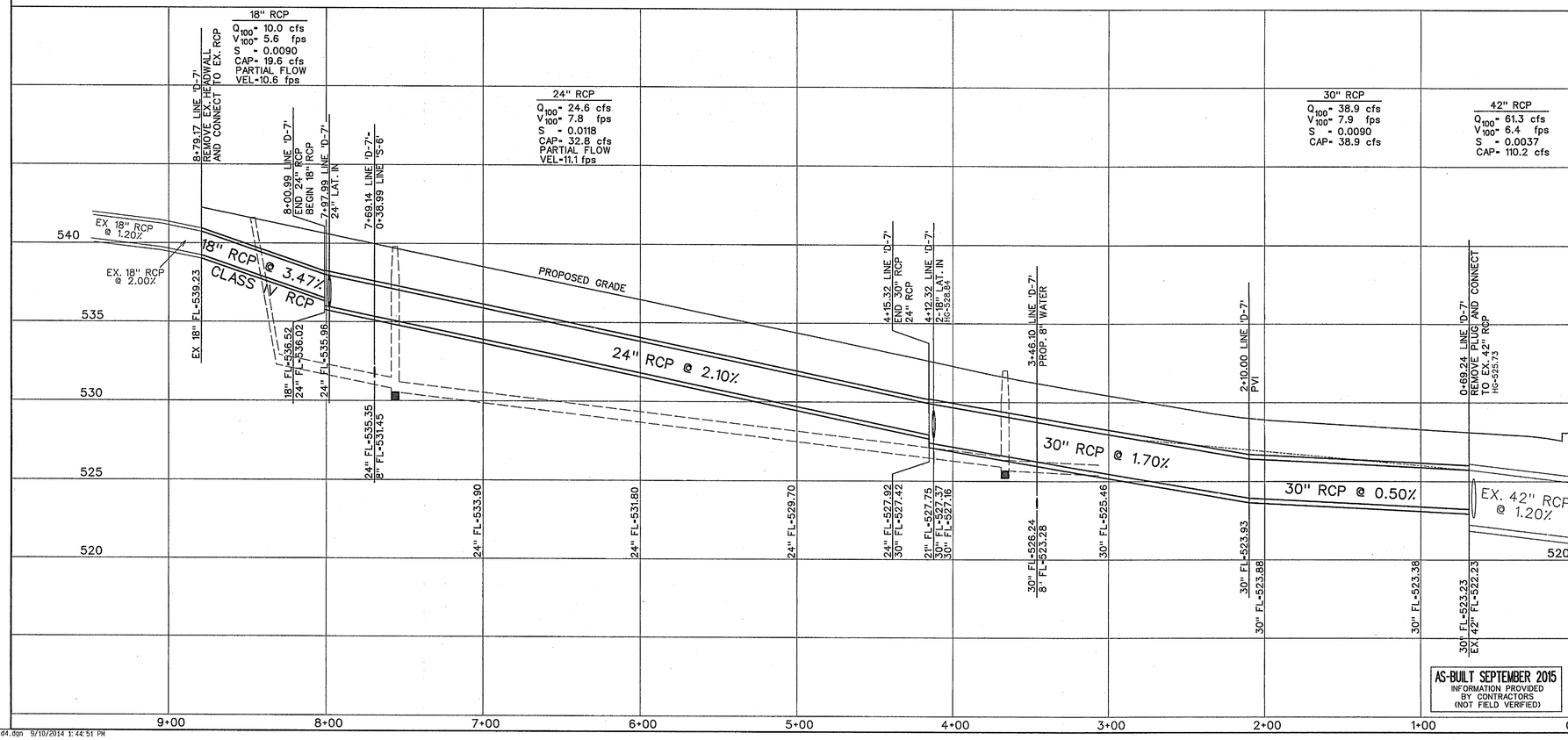


BENCHMARK:

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

LEGEND

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



AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER
9/10/14

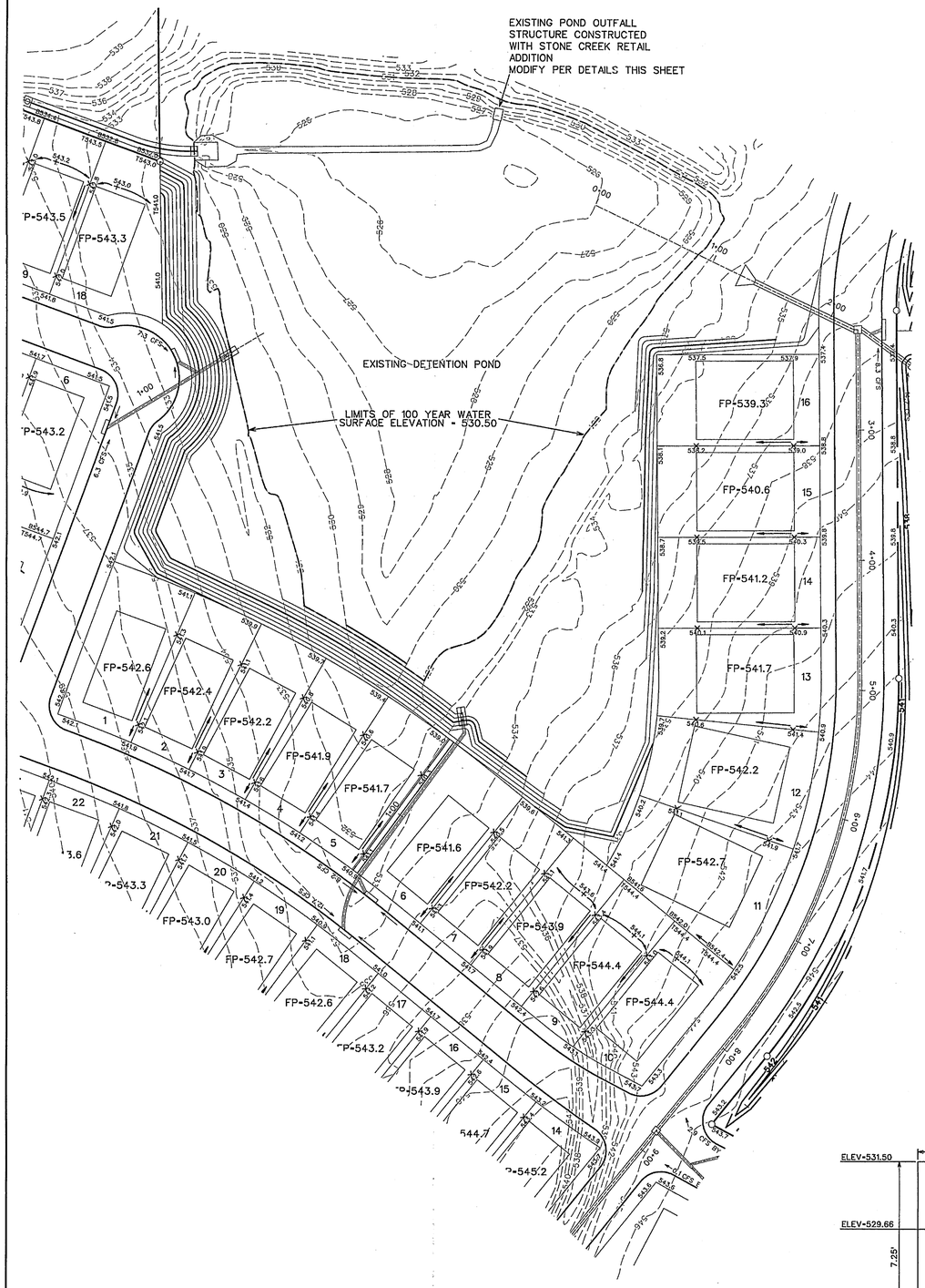
The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

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

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

STORM SEWER PLAN AND PROFILE
LINE 'D-7'

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	21 OF 26



DETENTION POND CALCULATIONS

SEE MEMORANDUM TO CITY OF ROCKWALL FROM CORWIN ENGINEERING, INC., DATED JUNE 17, 2014, FOR MORE DETAILED EXPLANATION OF THE NEED FOR UPDATED DETENTION CALCULATIONS.

REVISED DRAINAGE AREAS TO POND

RUNOFF CALCULATIONS - DEVELOPED CONDITIONS

Area ID	Area (sf)	Area (acres)	Proposed Use	Runoff Coefficien	CA	Tc (min)	Rainfall Intensity (in/hr)	Q (cfs)	Comment
A	941551	21.62	Commercial	0.90	19.45	10	9.8	190.6	To Detention Pond
B	601715	13.81	Single-Family	0.50	6.91	10	9.8	67.7	To Detention Pond
C	207002	4.75	Park	0.35	1.66	20	8.3	13.8	To Detention Pond
D	165086	3.79	Park	0.35	1.33	20	8.3	11.0	Bypass
E	103946	2.39	Single-Family	0.50	1.19	10	9.8	11.7	Bypass
F	65788	1.51	Single-Family	0.50	0.76	10	9.8	7.4	Bypass
G	149475	3.43	School	0.70	2.40	10	9.8	23.5	To Detention Pond
H	255440	5.86	Single-Family	0.50	2.93	10	9.8	28.7	To Detention Pond
Area to Detention Pond		49.48	CA to Detention Pond		33.38				
			Weighted C=		0.67				

100 Year Downstream Culvert Capacity= 149.0 cfs
Bypass flow= 11.0 cfs Area D
11.7 cfs Area E
7.4 cfs Area F
100-Year Pond Release Rate 118.9 cfs

50 Year Downstream Culvert Capacity= 134.6 cfs
Bypass flow= 9.9 cfs Area D
10.7 cfs Area E
6.8 cfs Area F
50-Year Pond Release Rate 107.1 cfs

25 Year Downstream Culvert Capacity= 118.4 cfs
Bypass flow= 8.8 cfs Area D
9.9 cfs Area E
6.3 cfs Area F
25-Year Pond Release Rate 93.5 cfs

10 Year Downstream Culvert Capacity= 105.9 cfs
Bypass flow= 7.8 cfs Area D
8.5 cfs Area E
5.4 cfs Area F
10-Year Pond Release Rate 84.2 cfs

Elevation/Storage Table From Topographic Survey

Elevation (ft)	Area (sq. ft)	Incremental Volume (cu. ft.)	Cumulative Volume (cu. ft.)
525	0	0	0
526	18907	9454	9454
527	41042	29975	39428
528	60691	50867	90295
529	78597	69844	159939
530	99043	88820	248759
531	120391	109717	358476
532	142155	131273	489749

Orifice #1 42" Wide x 35" tall, FL=525.0
Orifice #2 40" Wide x 8.5" Tall, FL=529.66
Orifice #3 11' Wide by 1' Tall, FL=530.0
Stage-Discharge Table

	Orifice 1			Orifice 2			Orifice 3			Total	Allowable	Above	
Stage	H	Area	Discharge	H	Area	Discharge	H	Area	Discharge	Discharge	Discharge	(Below)	
525.00	0	0	0	-	-	-	-	-	-	0.0			
526.00	0.50	3.50	11.9	-	-	-	-	-	-	11.9			
527.00	1.00	7.00	33.7	-	-	-	-	-	-	33.7			
528.00	1.46	10.20	59.3	-	-	-	-	-	-	59.3			
529.00	2.46	10.20	77.0	-	-	-	-	-	-	77.0			
529.45	2.91	10.20	83.7	-	-	-	-	-	-	83.7	84.2	(0.53)	10-year
529.66	3.12	10.20	86.8	-	-	-	-	-	-	86.8			
529.97	3.43	10.20	91.0	0.16	1.03	2.0	-	-	-	92.9	93.5	(0.56)	25-year
530.00	3.46	10.20	91.4	0.17	1.13	2.2	-	-	-	93.6			
530.26	3.72	10.20	94.8	0.25	2.36	5.7	0.13	2.90	5.1	105.8	107.1	(1.53)	50-year
530.50	3.96	10.20	97.7	0.49	2.36	8.0	0.25	5.50	13.2	118.9	118.9	0.00	100-year
531.00	4.46	10.20	103.7	0.99	2.36	11.3	0.50	11.00	37.5	152.5			
531.50	4.96	10.20	109.4	1.49	2.36	13.9	1.00	11.00	53.0	176.2			

Elevation Calculations

Event	Allowed Release Rate	Actual Release Rate	Storage Requirement	Occurs at Elevation
10-year	84.2	83.7	199580	529.45
25-year	93.5	92.9	245485	529.97
50-year	107.1	105.6	277682	530.26
100-year	118.9	118.9	303347	530.50

POND STORAGE CALCULATIONS

DETENTION CALCULATIONS - 10 Year

Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "KF"	Future "CA"	Rainfall Intensity	Inflow (cfs)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (acre-ft.)	Outflow (cfs)
10	20	49.48	0.67	1.00	33.36	7.10	236.8	142103	50225	**91878**	**2.11**	83.7
20	30	49.48	0.67	1.00	33.36	5.90	196.8	236172	75337	**160834**	**3.69**	83.7
30	40	49.48	0.67	1.00	33.36	4.80	160.1	288210	100450	**187760**	**4.31**	83.7
40	50	49.48	0.67	1.00	33.36	4.00	133.4	320033	125562	**194471**	**4.47**	83.7
50	60	49.48	0.67	1.00	33.36	3.50	116.8	350255	150675	**199580**	**4.58**	83.7
60	70	49.48	0.67	1.00	33.36	3.00	100.1	360262	175787	**184475**	**4.23**	83.7
70	80	49.48	0.67	1.00	33.36	2.80	93.4	392285	200899	**191386**	**4.39**	83.7
80	90	49.48	0.67	1.00	33.36	2.60	86.7	416303	228012	**190291**	**4.37**	83.7
90	100	49.48	0.67	1.00	33.36	2.50	83.4	450327	251124	**199203**	**4.57**	83.7
100	110	49.48	0.67	1.00	33.36	2.30	76.7	460335	276237	**184098**	**4.23**	83.7
110	120	49.48	0.67	1.00	33.36	2.20	73.4	484352	301349	**183003**	**4.20**	83.7
120	130	49.48	0.67	1.00	33.36	2.10	70.1	504367	326462	**177905**	**4.08**	83.7
130	140	49.48	0.67	1.00	33.36	2.00	66.7	520376	351574	**168804**	**3.88**	83.7
140	150	49.48	0.67	1.00	33.36	1.90	63.4	532387	376686	**155701**	**3.57**	83.7
										199580		

DETENTION CALCULATIONS - 25 Year

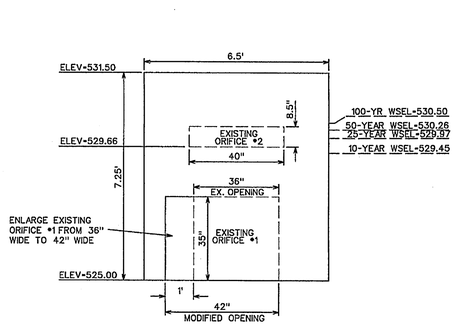
Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "KF"	Future "CA"	Rainfall intensity	Inflow (cfs)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (acre-ft.)	Outflow (cfs)
10	20	49.48	0.67	1.00	33.36	8.30	276.9	166121	55750	**110371**	**2.53**	92.9
20	30	49.48	0.67	1.00	33.36	6.60	220.2	264192	83625	**180567**	**4.15**	92.9
30	40	49.48	0.67	1.00	33.36	5.50	183.5	330240	111500	**218740**	**5.02**	92.9
40	50	49.48	0.67	1.00	33.36	4.60	153.4	368268	139375	**228892**	**5.25**	92.9
50	60	49.48	0.67	1.00	33.36	4.00	133.4	400291	167251	**233041**	**5.35**	92.9
60	70	49.48	0.67	1.00	33.36	3.50	116.8	420306	195126	**225180**	**5.17**	92.9
70	80	49.48	0.67	1.00	33.36	3.30	110.1	462336	223001	**239336**	**5.49**	92.9
80	90	49.48	0.67	1.00	33.36	3.10	103.4	496361	250876	**245485**	**5.64**	92.9
90	100	49.48	0.67	1.00	33.36	2.90	96.7	522380	278751	**243629**	**5.59**	92.9
100	110	49.48	0.67	1.00	33.36	2.70	90.1	540393	306626	**233767**	**5.37**	92.9
110	120	49.48	0.67	1.00	33.36	2.50	83.4	550400	334501	**215899**	**4.96**	92.9
120	130	49.48	0.67	1.00	33.36	2.40	80.1	576419	362376	**214043**	**4.91**	92.9
130	140	49.48	0.67	1.00	33.36	2.30	76.7	596435	390251	**206184**	**4.78**	92.9
140	150	49.48	0.67	1.00	33.36	2.20	73.4	616448	418126	**198322**	**4.55**	92.9
										245485		

DETENTION CALCULATIONS - 50 Year

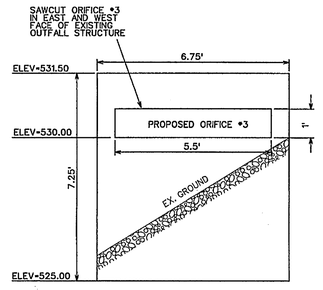
Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "KF"	Future "CA"	Rainfall intensity	Inflow (cfs)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (acre-ft.)	Outflow (cfs)
10	20	49.48	0.67	1.00	33.36	9.00	300.2	180131	63350	**116781**	**2.68**	105.6
20	30	49.48	0.67	1.00	33.36	7.50	250.2	300218	95025	**205193**	**4.71**	105.6
30	40	49.48	0.67	1.00	33.36	6.10	203.5	366266	126700	**239566**	**5.50**	105.6
40	50	49.48	0.67	1.00	33.36	5.20	173.5	416303	158375	**257928**	**5.92**	105.6
50	60	49.48	0.67	1.00	33.36	4.50	150.1	450327	190050	**260278**	**5.98**	105.6
60	70	49.48	0.67	1.00	33.36	3.90	130.1	468341	221725	**246616**	**5.66**	105.6
70	80	49.48	0.67	1.00	33.36	3.70	123.4	518377	253400	**264977**	**6.08**	105.6
80	90	49.48	0.67	1.00	33.36	3.50	116.8	560408	285075	**275333**	**6.32**	105.6
90	100	49.48	0.67	1.00	33.36	3.30	110.1	594432	316750	**277682**	**6.37**	105.6
100	110	49.48	0.67	1.00	33.36	3.00	100.1	600437	348425	**252012**	**5.79**	105.6
110	120	49.48	0.67	1.00	33.36	2.80	93.4	616448	380100	**236348**	**5.43**	105.6
120	130	49.48	0.67	1.00	33.36	2.70	90.1	648472	411775	**236697**	**5.43**	105.6
130	140	49.48	0.67	1.00	33.36	2.60	86.7	676492	443450	**233042**	**5.35**	105.6
140	150	49.48	0.67	1.00	33.36	2.40	80.1	672489	475125	**197364**	**4.53**	105.6
										277682		

DETENTION CALCULATIONS - 100 Year

Storm Duration	Outflow Duration	Area (AC.)	Future "C"	Future "KF"	Future "CA"	Rainfall intensity	Inflow (cfs)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (cubic ft.)	Volume (acre-ft.)	Outflow (cfs)
10	20	49.48	0.67	1.00	33.36	9.80	326.9	196143	71357	**124785**	**2.86**	118.9
20	30	49.48	0.67	1.00	33.36	8.30	276.9	332242	107036	**225206**	**5.17**	118.9
30	40	49.48	0.67	1.00	33.36	6.90	230.2	414301	142714	**271587**	**6.23**	118.9
40	50	49.48	0.67	1.00	33.36	5.80	193.5	464338	178393	**285945**	**6.56**	118.9
50	60	49.48	0.67	1.00	33.36	5.00	166.8	500364	214072	**286292**	**6.57**	118.9
60	70	49.48	0.67	1.00	33.36	4.50	150.1	540393	249750	**290643**	**6.67**	118.9
70	80	49.48	0.67	1.00	33.36	4.10	136.8	574418	285429	**288989**	**6.63**	118.9
80	90	49.48	0.67	1.00	33.36	3.90	130.1	624454	321107	**303347**	**6.96**	118.9
90	100	49.48	0.67	1.00	33.36	3.60	120.1	648472	356786	**291685**	**6.70**	118.9
100	110	49.48	0.67	1.00	33.36	3.20	106.7	640466	392465	**248001**	**5.69**	118.9
110	120	49.48	0.67	1.00	33.36	2.80	93.4	616448	428143	**188305**	**4.32**	118.9
120	130	49.48	0.67	1.00	33.36	2.70	90.1	648472	463822	**184650**	**4.24**	118.9
130	140	49.48	0.67	1.00	33.36	2.60	86.7	676492	499500	**176991**	**4.06**	118.9
140	150	49.48	0.67	1.00	33.36	2.40	80.1	672489	535179	**137310**	**3.15**	118.9
										303347		



SOUTH FACE



EAST AND WEST FACE

EXISTING POND OUTFALL STRUCTURE

DIMENSIONS FOR THIS STRUCTURE WERE TAKEN FROM ENGINEERING PLANS FOR STONE CREEK RETAIL ADDITION, BLOCK A, LOTS 1-6, DATED APRIL 15, 2010 BY POGUE ENGINEERING & DEVELOPMENT COMPANY, INC.

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
BRANDON DAVIDSON
87682
REGISTERED PROFESSIONAL ENGINEER

The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on September 10, 2014

BENCHMARK:

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

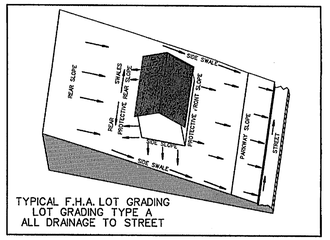
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

EXISTING DETENTION POND
PLAN AND CALCULATIONS

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: HOR: 1"=40' VER: 1"=4'	22 OF 26

...\dgn\13068pond.dgn 9/10/2014 1:43:11 PM



TYPICAL F.H.A. LOT GRADING
LOT GRADING TYPE A
ALL DRAINAGE TO STREET

Note:

Each lot will need a detailed grading plan with building permit submittal. This is a general grading plan for site work only.

Wall Notes:

1. No part of the wall (footing, tie back etc. shall be const. offsite, in an easement or in the R.O.W. Walls must be on one property.

2. All walls 4' or taller shall require a signed/sealed set of engineered drawings. Wall engineer shall submit signed/sealed letter prior to acceptance stating that the walls were constructed per drawings.

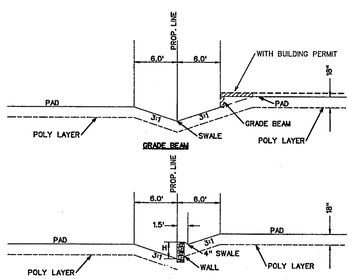
3. All fill to be compacted to 95% std. density using a sheep's foot roller.

⊛ Driveway must be located on noted side.

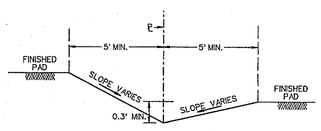
NOTES:

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. No lot to lot drainage allowed.
5. All fill to be min. 95% compaction using sheep's foot roller.

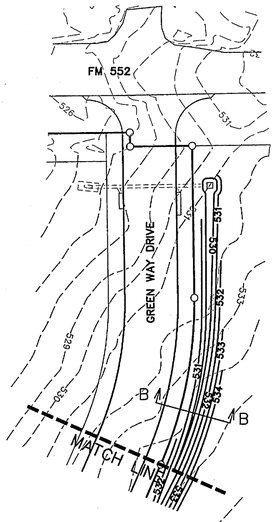
SCALE: 1" = 50'

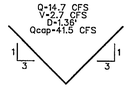


SIDEYARD WALL

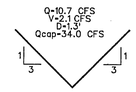


TYPICAL SWALE SIDE YARD
N.T.S.





SECTION 'A-A'
N.T.S.



SECTION 'B-B'
N.T.S.

BENCHMARK:

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

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

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

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

GRADING PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: 1" = 50'	23 OF 26

SCALE: 1" = 50'

N

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. No lot to lot drainage allowed.
5. All fill to be min. 95% compaction using sheep's foot roller.

Note:

Each lot will need a detailed grading plan with building permit submittal. This is a general grading plan for site work only.

Wall Notes:

1. No part of the wall (footing, tie back etc. shall be const. offsite, in an easement or in the R.O.W. Walls must be on one property.
2. All walls 4' or taller shall require a signed/sealed set of engineered drawings. Wall engineer shall submit signed/sealed letter prior to acceptance stating that the walls were constructed per drawings.
3. All fill to be compacted to 95% std. density using a sheep's foot roller.

Ⓓ Driveway must be located on noted side.

GREEN WAY DRIVE

MOUNTCASTLE DRIVE

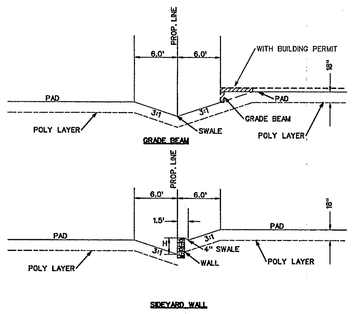
EXIST. RETAINING WALL

FEATHERSTONE

JOHN KING BLVD.

MATCH LINE

CRESTBROOK DRIVE



BENCHMARK:

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

AS-BUILT SEPTEMBER 2015
INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

STATE OF TEXAS
WARREN L. CORWIN
57875
REGISTERED PROFESSIONAL ENGINEER
9-10-14

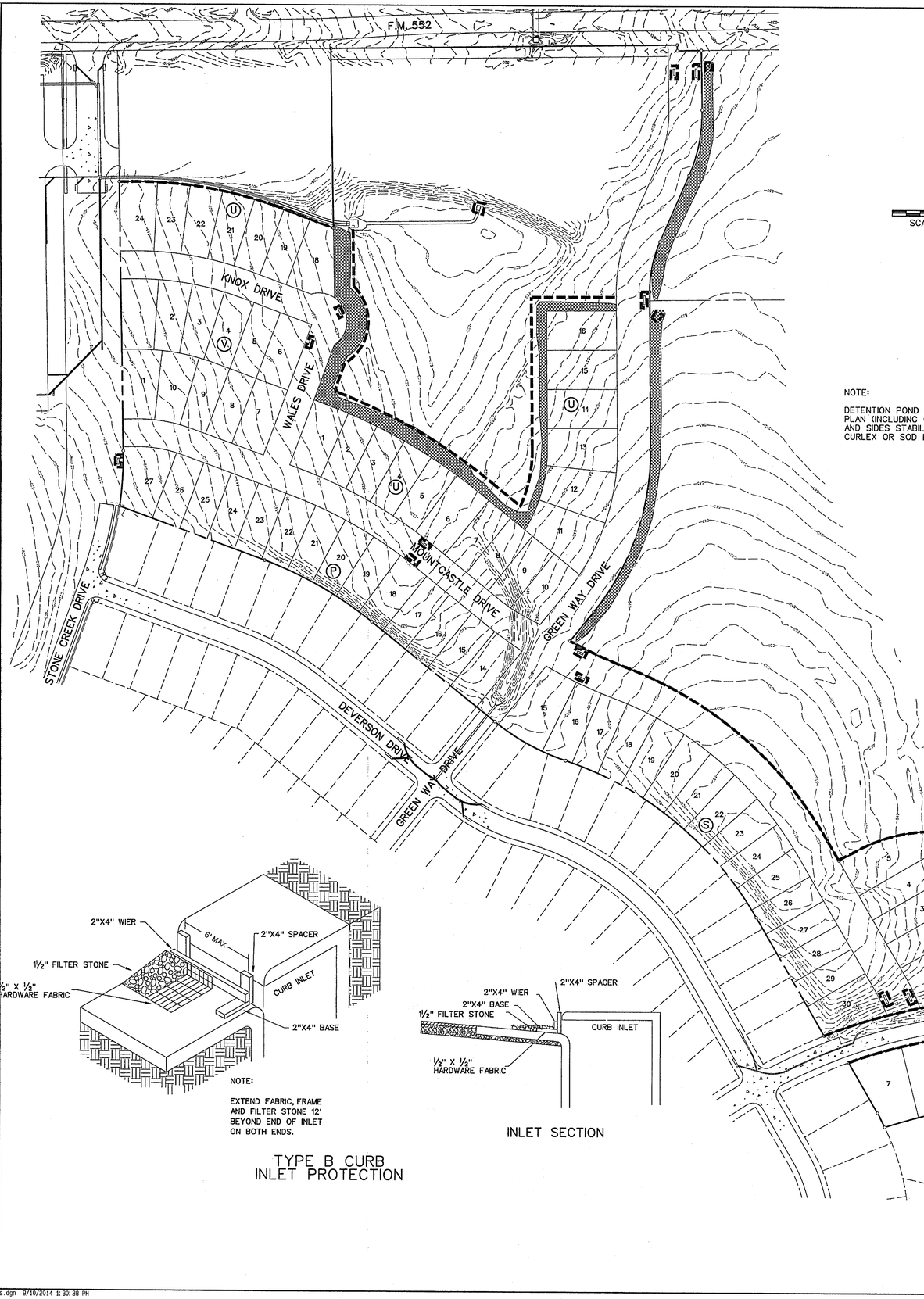
The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on September 10, 2014

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

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

GRADING PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: 1" = 50'	24 OF 26



SCALE: 1" = 100'

NOTE:

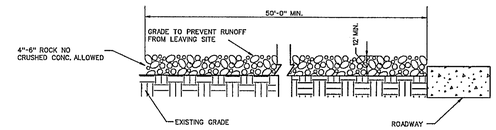
DETENTION POND SHALL BE INSTALLED PER PLAN (INCLUDING OUTFALL) WITH BOTTOM AND SIDES STABILIZED WITH ANCHORED CURLEX OR SOD PRIOR TO ANY PAVING.

LEGEND

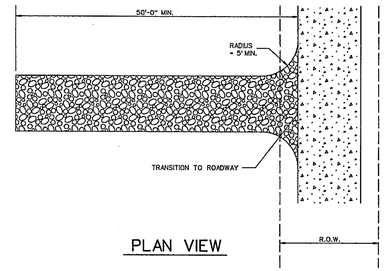
SILT FENCE (BEFORE CONSTRUCTION)

INLET PROTECTION

ANCHORED CURLEX MATTING



PROFILE

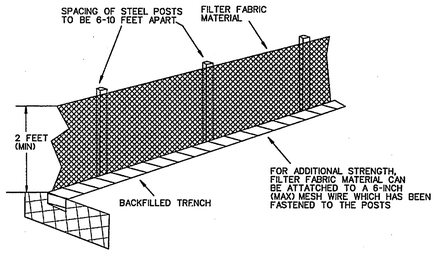


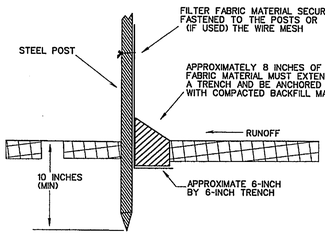
PLAN VIEW

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

NOTE:

EXTEND FABRIC, FRAME AND FILTER STONE 12' BEYOND END OF INLET ON BOTH ENDS.

TYPE B CURB INLET PROTECTION

INLET SECTION

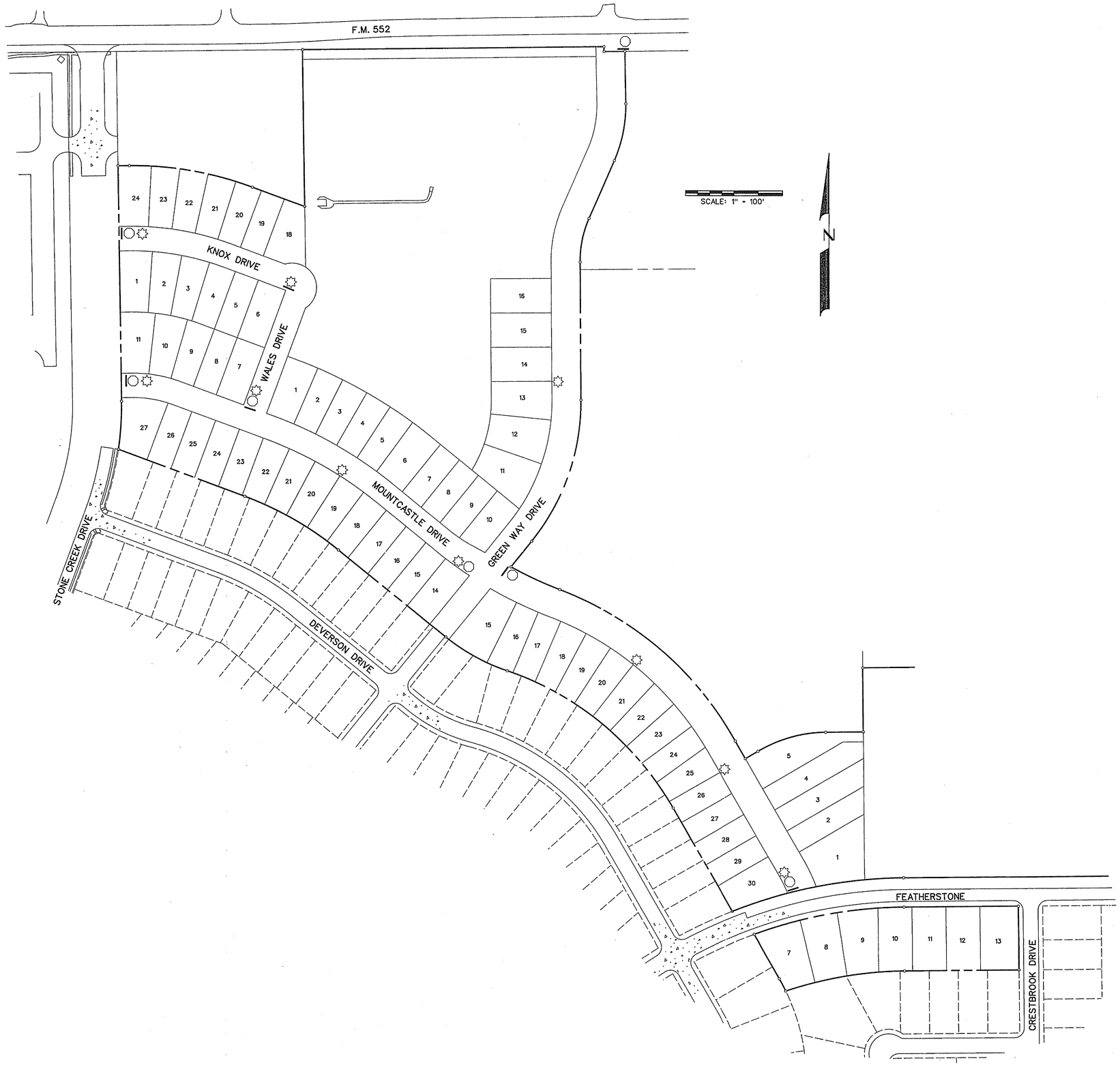
CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
STONE CREEK
PHASE VI
ROCKWALL, TEXAS

EROSION CONTROL PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13088	DATE MAY 2014	SCALE: 1"=100'	25 OF 26

...\dgn\13068_eros.dgn 9/10/2014 1:30:38 PM



STREET SIGN NOTES

All signage installed shall comply with the current "Texas Manual on Uniform Traffic Control Devices" and the "Standard Highway Sign Designs for Texas".

The developer shall be responsible for furnishing and installing all regulatory, warning and street name signs and sign mounts in accordance with the approved engineering plans.

Block Numbers are required on all street name blades.

Street Name Blades shall be nine inch (9") tall extruded aluminum. The blades shall be 0.080 inches thick.

High Intensity Retro reflective Sheeting for Street, Regulatory, and Warning Signs - shall be high intensity diamond grade type III prismatic.

The Lettering for the street blades shall be HIROAD B with all uppercase fonts. "Highway Gothic B" with six- inch letters. Letters for abbreviated street designations shall be three inches (3") tall with all uppercase fonts (i.e., LN, PKWY, CT, etc.). Block numbers shall be three- inches (3") tall.

The street sign background shall be green and the legend shall be white.

The street sign blade must incorporate the current City of Rockwall logo.

For a street with a cul-de-sac end, a standard W 14-2a shall be mounted over the street name blade.

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.

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 VI
ROCKWALL, TEXAS

SIGN AND LIGHT PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER 13068	DATE MAY 2014	SCALE: 1"=100'	26 OF 26

...\dgn\13068_sign.dgn 9/10/2014 1:38:54 PM