DEVELOPMENT PLANS

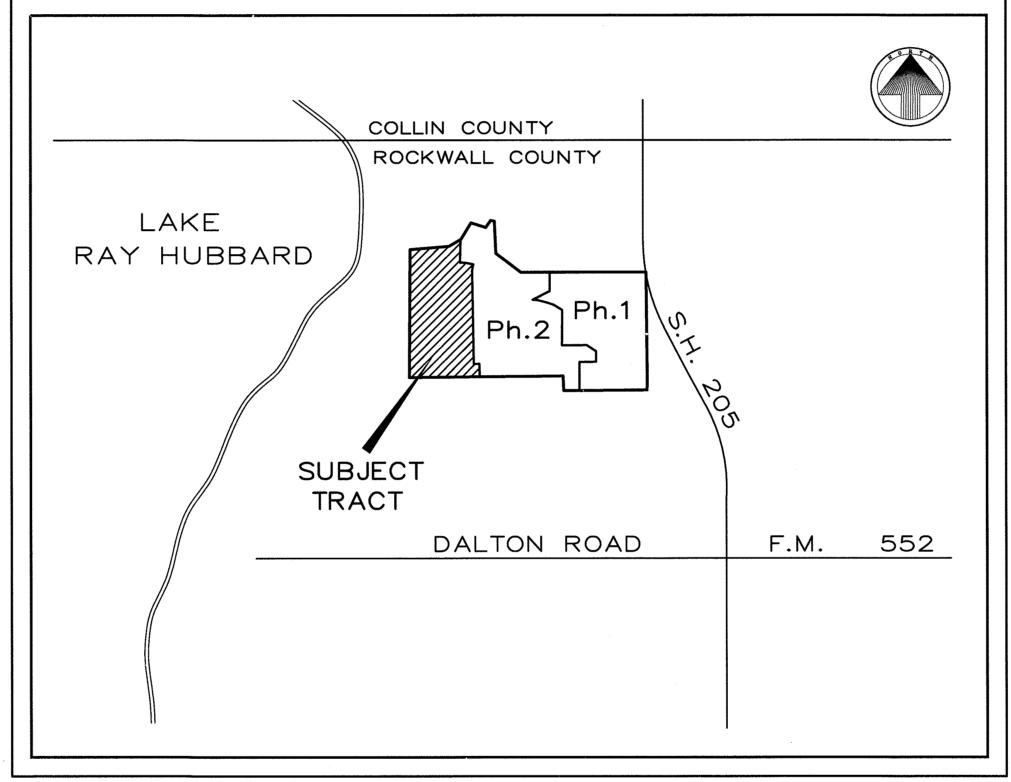
FOR

CASTLE RIDGE ESTATES PHASE 3

CITY OF ROCKWALL, TEXAS

GENERAL NOTES

- 1. All street and alleys intersections and connections shall be built by the developer.
- 2. Excavation from streets to be deposited in low areas to allow proper drainage.
- 3. All existing ditches, except as noted on drainage plans, are to be filled to conform to surrounding terrain.
- 4. It will be the responsibilty of the developer and/or the contractor to protect and maintain to proper line and grade all public utilities, manholes, cleanouts, valve boxes, fire hydrants, etc. during the construction of this project, prior to and after placing permanent pavement.
- 5. All materials and workmanship shall conform to the City Standards and Specifications.
- 6. All Fill Shall be Compacted with Sheep's Foot Roller to 95%.



MAP - MAPSCO REFERENCE 263-T LOCATION NOT TO SCALE

CITY OF ROCKWALL **SURVEY MONUMENT #1** Top of Inlet No. 10-Line A Pavement STA 22+00 Windham Drive N:7044393.512 E: 2590316.207 ELEV.=450.09

CITY OF ROCKWALL **SURVEY MONUMENT #2** Top of Inlet No. 11-Line D Pavement STA 9+00 Chestnut Drive N:7043295.565 E: 2590080.745 ELEV.=484.54

RECORD DRAWING - 5/9/16

The alignment and grade were set on the ground for construction per the plans. To the best of our knowledge Westwood Professional Services states that are not aware of any changes or revisions to these plans during construction except as noted according to surveying at the site and information provided by the contractor.

PREPARED FOR

D·R·HORTON® 器體 America's Builder

4306 Miller Road — Rowlett, Texas 75088 214-607-4244 - dbooth@drhorton.com

Westwood

Toll Free

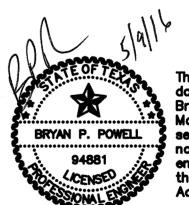
(214) 473-4640 2740 North Dallas Parkway,#280 (888) 937-5150 Plano, TX 75093 westwoodps.com

Westwood Professional Services, Inc.

Bryan.Powell@westwoodps.com - Firm No. F-11756

INDEX

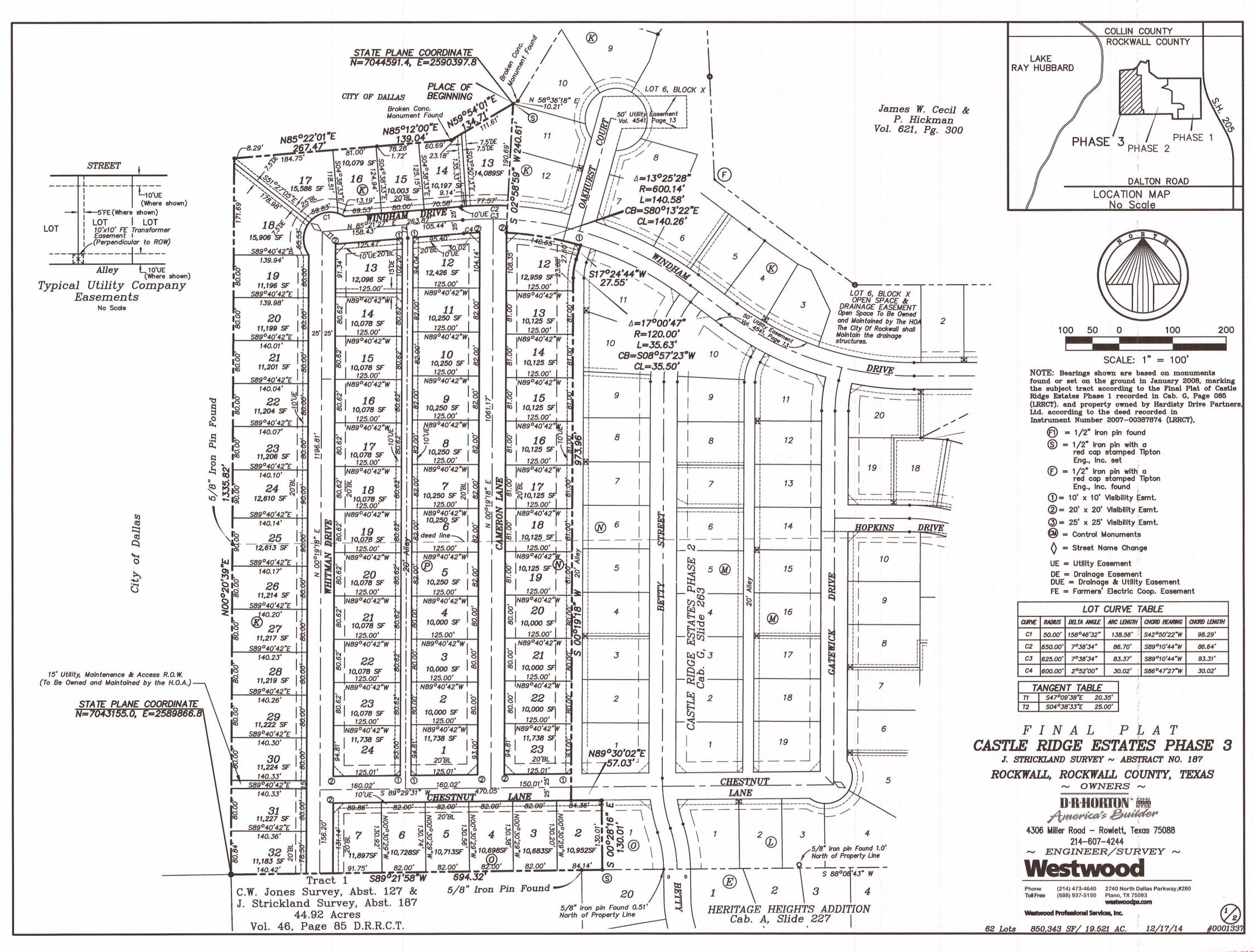
Sheet No.	Description
1-2	Final Plat
3-10	Paving Plans
11	Drainage Area Map
12	Drainage Calculations
13-15A	Storm Sewer Plans
15B	Interim Storm Sewer Plans
16	Water & Sewer Plans
17	Sanitary Sewer Profiles
18-19	Lot Grading Plans
20	Storm Water Pollution
	Prevention Plan
21	Tree Preservation Plan
22	Street Sign and Lighting Plan
23-24	Pedestrian Facilities Curb Ramp
	Details



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

NO.	DATE	REVISION	SHEETS
•	•	•	•

#0001337



RELEASED FOR CONSTRUCTION
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN
REMAINS WITH THE DESIGN ENGINEER. THE CITY
OF ROCKWALL, IN REVIEWING AND RELEASING
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RESPONSIBILITY FOR ADEQUACY OR ACCURACY
OF DESIGN.

STATE OF TEXAS)(
COUNTY OF ROCKWALL)(

OWNERS CERTIFICATE

WHEREAS, D.R. HORTON— TEXAS Ltd. a Texas limited partnership is the owner of a tract of land situated in the J. Strickland Survey, Abstract No. 187, City of Rockwall, Rockwall County, Texas according to the Special Warranty Deed recorded in Instrument Number 2014—00006940 of the Land Records of Rockwall County, Texas (LRRCT), the subject tract being more particularly described as follows;

BEGINNING at a 1/2 inch Iron rod with yellow plastic cap found for the northwest corner of Lot 11, Block K of Castle Ridge Estates Phase 2, an addition to the City of Rockwall, Rockwall County, Texas as recorded in Cabinet G, Slide 263, Real Property Records, Rockwall County, Texas, same being the northeast corner of the herein described tract and being on the south line of a 2.00 acre tract of land conveyed to the City of Dallas by deed recorded in Volume 76, Page 530, Real Property Records, Rockwall County, Texas;

THENCE along the east line of the herein described tract and the common west line of said Castle Ridge Estates Phase 2 boundary line, the following courses and distances:

South 02 Degrees 58 Minutes 59 Seconds West, a distance of 240.61 feet to a 5/8 inch iron rod with yellow plastic cap stamped "ADAMS 5610" found for corner on the south right—of—way line of Windham Drive (a 50 foot Right—of—Way) of said Castle Ridge Estates Phase 2 addition plat and being the beginning of a non—tangent curve to the right, having a Central Angle of 13 Degrees 25 Minutes 28 Seconds, a Radius of 600.00 feet and a long Chord that bears South 80 Degrees 13 Minutes 22 seconds East, a distance of 140.26 feet.

Along said non-tangent curve to the right, an arc length of 140.58 feet to a 5/8 inch iron rod with yellow plastic cap stamped "ADAMS 5610" found for corner;

South 17 Degrees 24 Minutes 44 Seconds West, a distance of 27.55 feet to a 5/8 inch iron rod with yellow plastic cap stamped "ADAMS 5610" found for corner and the beginning of a tangent curve to the left, having a Central Angle of 17 Degrees 00 Minutes 47 Seconds, a radius of 120.00 feet and a long Chord that bears South 08 Degrees 57 Minutes 23 Seconds West, a distance of 35.50 feet;

Along said tangent curve to the left, and arc length of 35.63 feet to a 5/8 inch iron rod with yellow plastic cap stamped "ADAMS 5610" found for corner;

South 00 Degrees 19 Minutes 18 Seconds West, a distance of 973.96 feet to a 5/8 inch iron rod with yellow plastic cap stamped "ADAMS 5610" found for corner on the south right—of—way line of Chestnut Lane (a 50 foot right—of—way) of said Castle Ridge Estates Phase 2;

North 89 Degrees 30 Minutes 02 Seconds East, along the south right—of—way line of said Chestnut Lane, a distance of 57.03 feet to a 1/2 inch iron rod with yellow cap stamped "TIPTON" found for corner:

South 00 Degrees 28 Minutes 16 Seconds East, a distance of 130.01 feet to a 1/2 inch iron rod with yellow cap stamped "TIPTON" found for the southeast corner of the herein described tract and the common southwest corner of said Castle Ridge Estates Phase 2 addition, same being on the north line of Heritage Heights Addition, an addition to the City of Rockwall, according to the plat recorded in Cabinet A, Slide 227, Plat Records, Rockwall County, Texas;

THENCE South 89 Degrees 21 Minutes 58 Seconds West, passing at a distance of 38.65 feet a 5/8 inch iron pin found for the northwest corner of Lot 20, Block D of said Heritage Heights Addition, in all a distance of 694.32 feet to a 5/8 inch iron rod with a yellow plastic cap stamped "WESTWOOD" set for the southwest corner of the herein described tract from which a fence post bears North 83 Degrees 08 Minutes 11 Seconds West, a distance of 1.30 feet and being on the east line of a tract of land conveyed to the City of Dallas;

THENCE North 00 Degrees 20 Minutes 39 Seconds East, along the west line of said remainder tract, passing at a distance of 616.70 feet a 5/8 inch iron pin found, in all a distance of 1335.82 feet to a concrete monument found for the northwest corner of said remainder tract and the common southwest corner of aforementioned 2.00 acre tract of land conveyed to the City of Dallas:

THENCE along the north line of said remainder tract and the common south line of said 2.00 acre tract, the following courses and distances:

North 85 Degrees 22 Minutes 01 Seconds East, a distance of 267.47 feet to a broken concrete monument found for corner;

North 85 Degrees 12 Minutes 00 Seconds East, a distance of 139.04 feet to a broken concrete monument found for corner;

THENCE North 59 Degrees 54 Minutes 01 Seconds East, a distance of 134.71 feet to the **POINT OF BEGINNING** and containing 19.521 acres of land more or less.

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.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: STATE OF TEXAS COUNTY OF ROCKWALL

We the undersigned owner of the land shown on this plat, and designated herein as the CASTLE RIDGE ESTATES PHASE 3 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 CASTLE RIDGE ESTATES PHASE 3 subdivision have been notified.

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;

No buildings shall be constructed or placed upon, over, or across the utility easements as described herein.
 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 and egress to, from, and upon the said easement strips for purposes of construction.

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

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

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

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 down; 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.

D.R. HORTON — TEXAS, LTD., a Texas limited partnership

the specifications of the City of Rockwall; or

By: D.R. HORTON, INC.
a Delaware corporation,
its authorized agent

improvements.

By: David L. Booth Asst. Vice President

THE STATE OF TEXAS)
COUNTY OF DALLAS

BEFORE ME, the undersigned, a notary public in and for the State of Texas, on this day personally appeared David L. Booth, known to be to be the person whose name is subscribed for the purpose and consideration therein expressed.

GIVEN UNDER MY HAND SEAL OF OFFICE, this _____ day of ______, 2015.

Notary Public, State of Texas

Commission Expires:

SURVEYOR'S CERTIFICATE

KNOW ALL MEN BY THESE PRESENTS;

THAT I, Harry L. Dickens do hereby certify that I prepared this plat from an actual and an accurate survey of the land and that the corner monuments shown thereon were properly placed under my personal supervision, in accordance with the subdivision regulations of the City of Rockwall, Texas.

Released for review only. 5-6-2014 In accordance with Texas Board of Professional Land Surveying Rule 663.18(c), 29 T.A.C. 663.18(c) this is a preliminary document, and shall not be signed or sealed. "Preliminary, this document shall not be recorded for any purpose."

Harry L. Dickens Registered Professional Land Surveyor No. 5939

THE STATE OF TEXAS
COUNTY OF DALLAS

BEFORE ME, the undersigned, a notary public in and for the State of Texas, on this day personally appeared Harry L. Dickens, known to me to be the person whose name is subscribed for the purpose and consideration therein expressed.

GIVEN	UNDER M	IY HAND , 2	SEAL 2015.	OF OF	FICE, th	is
Notar	y Public,	State o	of Tex	as		
Comm	nission E	xpires: _				

RECOMMENDED FOR FINAL APPROVAL APPROVED

Chairman, Planning & Zoning Commission

Date

day of.

I hereby certify that the above and foregoing plat of Castle Ridge Estates Phase 3, an addition to the City of Rockwall, Texas was approved by the City Council of the City of Rockwall on the _____day of ______2015.

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

Said Addition shall be subject to all the requirements of the Platting Ordinances of the City of Rockwall.

City Engineer

F I N A L P L A T

CASTLE RIDGE ESTATES PHASE 3

J. STRICKLAND SURVEY ~ ABSTRACT NO. 187

ROCKWALL, ROCKWALL COUNTY, TEXAS

~ OWNERS ~

D·R·HORTON NYSE America's Builder 4306 Miller Road – Rowlett, Texas 75088 214–607–4244

~ ENGINEER/SURVEY ~

Westwood

Phone (214) 473-4640 2740 North Dallas Parkway,#280 Plano, TX 75093 wastwoodps.com

Westwood Professional Services, Inc.

62 Lots 850,343 SF/ 19.521 AC. 12/17/14



RELEASED FOR CONSTRUCTION

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN

REMAINS WITH THE DESIGN ENGINEER. THE CITY

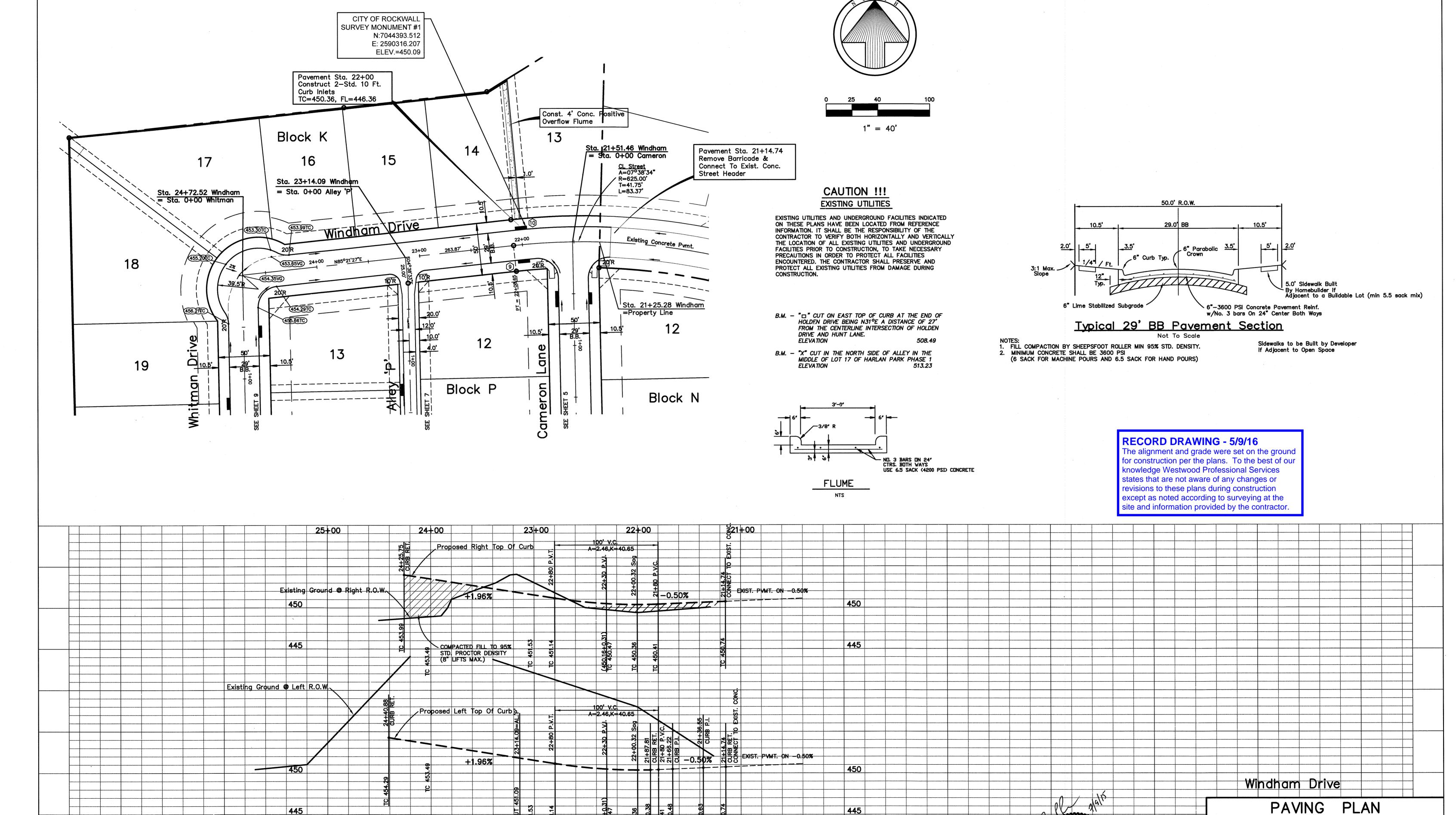
OF ROCKWALL, IN REVIEWING AND RELEASING

PLANS FOR CONSTRUCTION, ASSUMES NO

RESPONSIBILITY FOR ADEQUACY OR ACCURACY

OF DESIGN.

DATE



445

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN

-ENGINEER. THE CITY OF ROCKWALL, -IN REVIEWING AND RELEASING PLANS

FOR CONSTRUCTION, ASSUMES NO

-ACCURACY OF DESIGN.

-RESPONSIBILITY FOR ADEQUACY OR

445

The seal appearing on this document was authorized by Bryan P. Powell, P.E. 94881 July 9, 2015. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

4925paving(p1)

Westwood Professional Services, Inc.
State of Texas Firm Registration: F-11756

CASTLE RIDGE ESTATES PHASE 3

CITY OF ROCKWALL, TEXAS

NOTES

SCALE

1"=40' H. 1"=5' V.

Westwood

DATE

7-9-15

FIRM NO.

F-11756

2740 North Dallas Parkway, Suite 280 Plano, Texas 75093

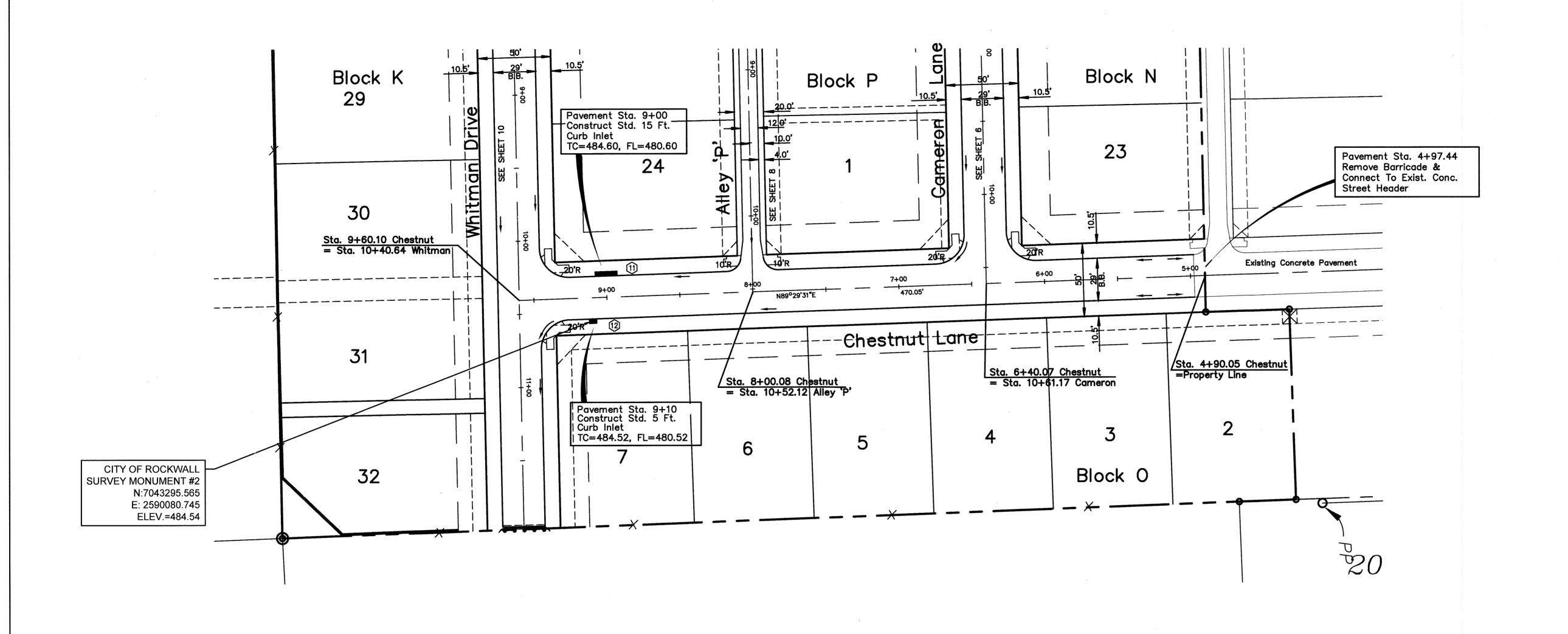
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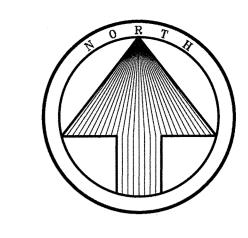
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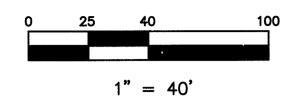
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FILE

R0001337.0







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B.M. — "

"CUT ON EAST TOP OF CURB AT THE END OF HOLDEN DRIVE BEING N31°E A DISTANCE OF 27' FROM THE CENTERLINE INTERSECTION OF HOLDEN DRIVE AND HUNT LANE.

ELEVATION 508.49

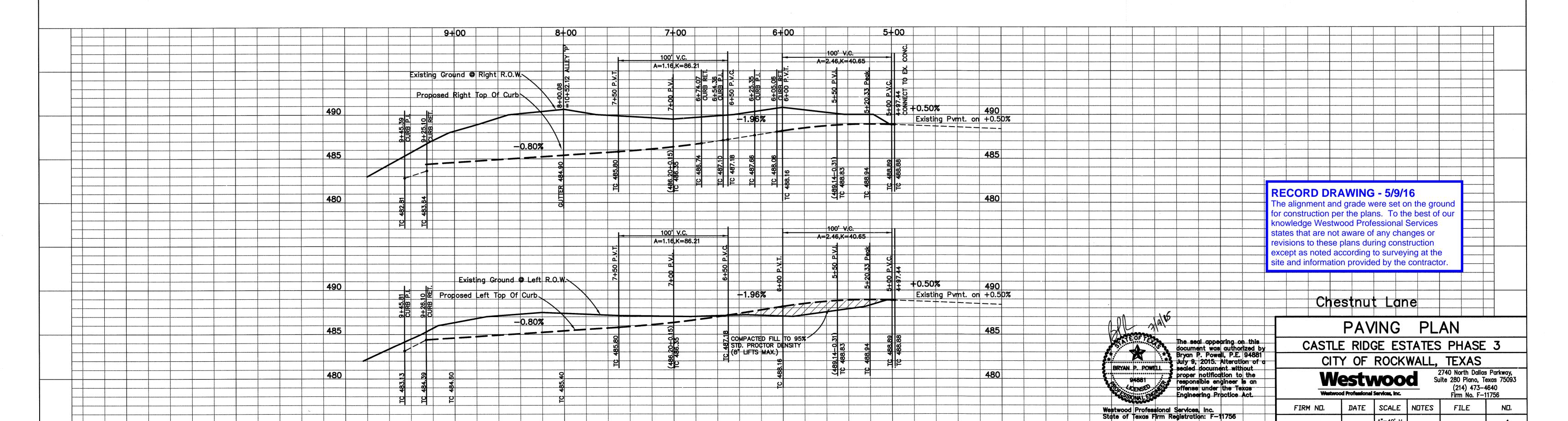
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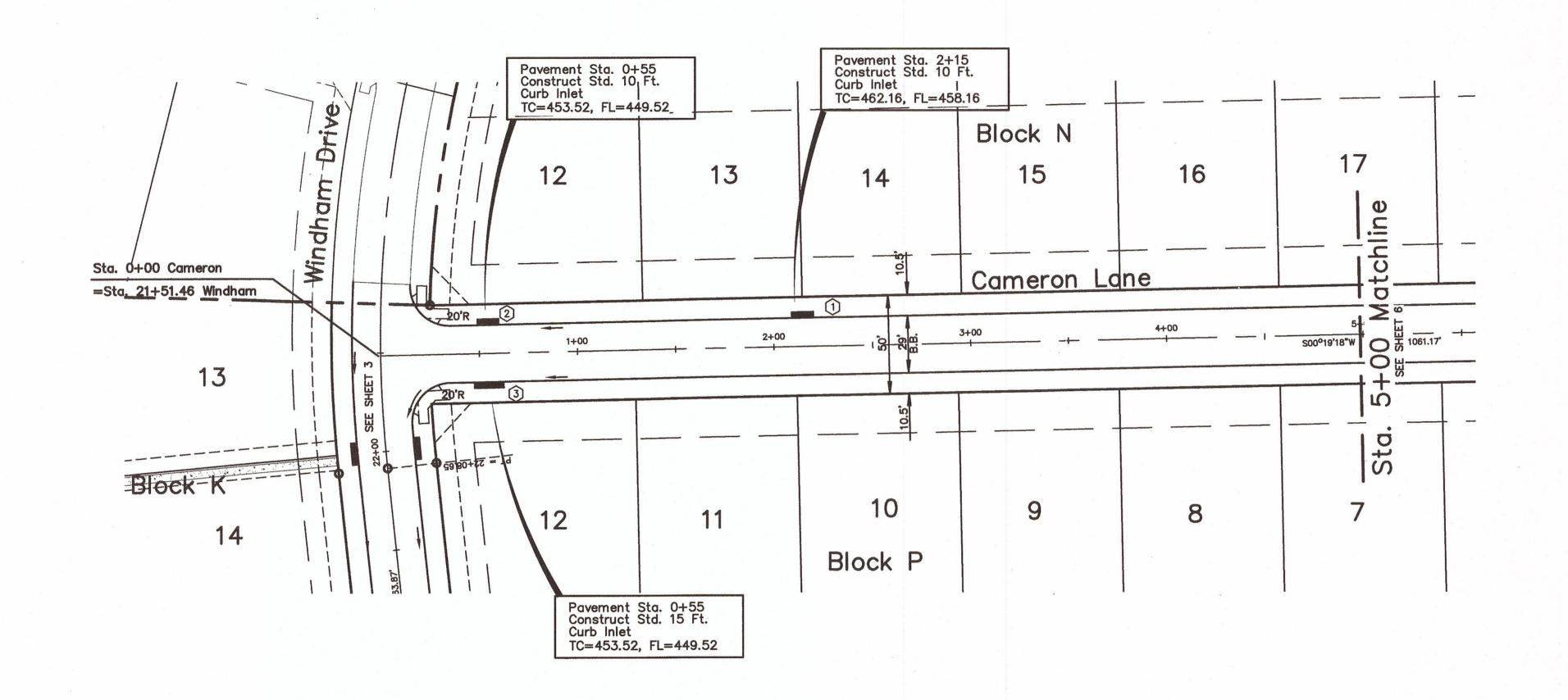
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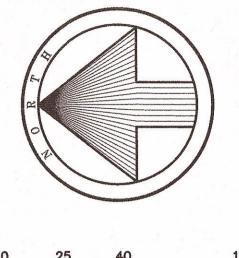
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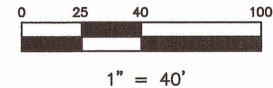
F-11756

B.M. — "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1 ELEVATION 513.23









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RECORD DRAWING - 5/9/16

Westwood Professional Services, Inc.
State of Texas Firm Registration: F-11756

4925paving(p3)

The alignment and grade were set on the ground for construction per the plans. To the best of our knowledge Westwood Professional Services states that are not aware of any changes or revisions to these plans during construction except as noted according to surveying at the site and information provided by the contractor.

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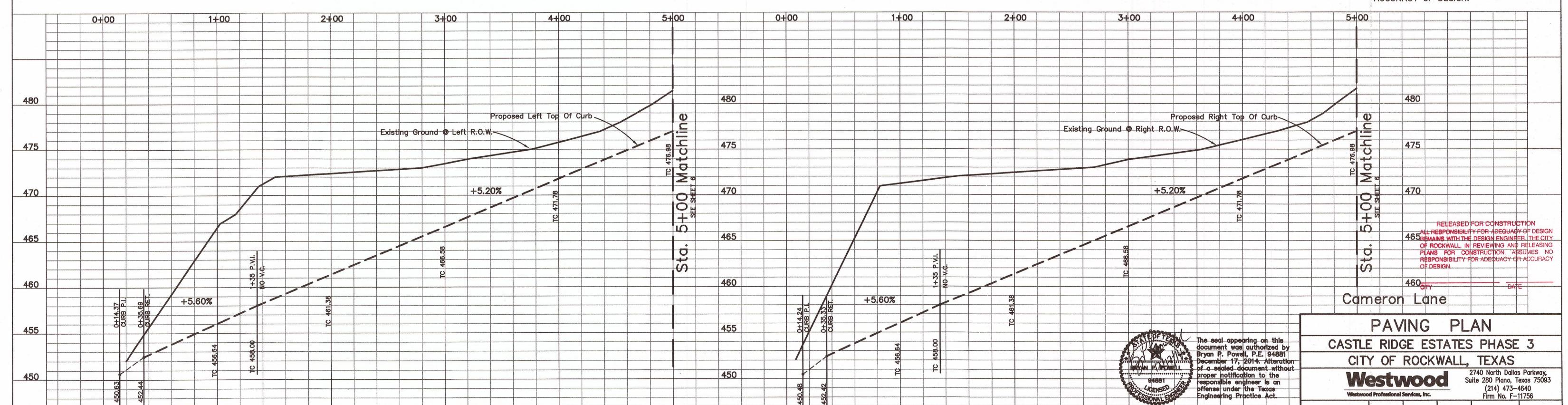
DATE SCALE NOTES

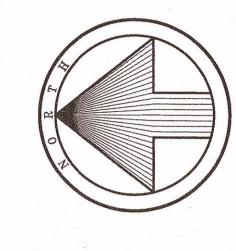
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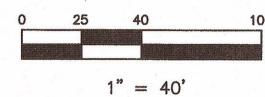
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FIRM NO.

F-11756









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ELEVATION 508.49

B.M. - "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1

RECORD DRAWING - 5/9/16

Block O

Sta. 10+61.17 Cameron =Sta. 6+40.07 Chestnut

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Westwood Professional Services, Inc.
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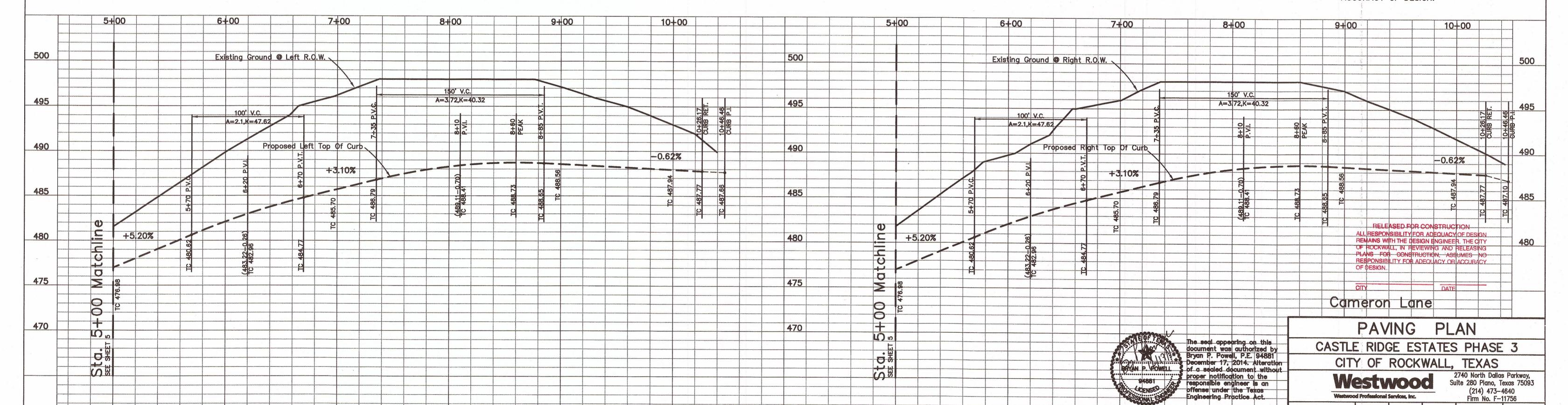
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NO.

FIRM NO.

F-11756

4925paving(p4)



Block 1

Cameron Lane

Block

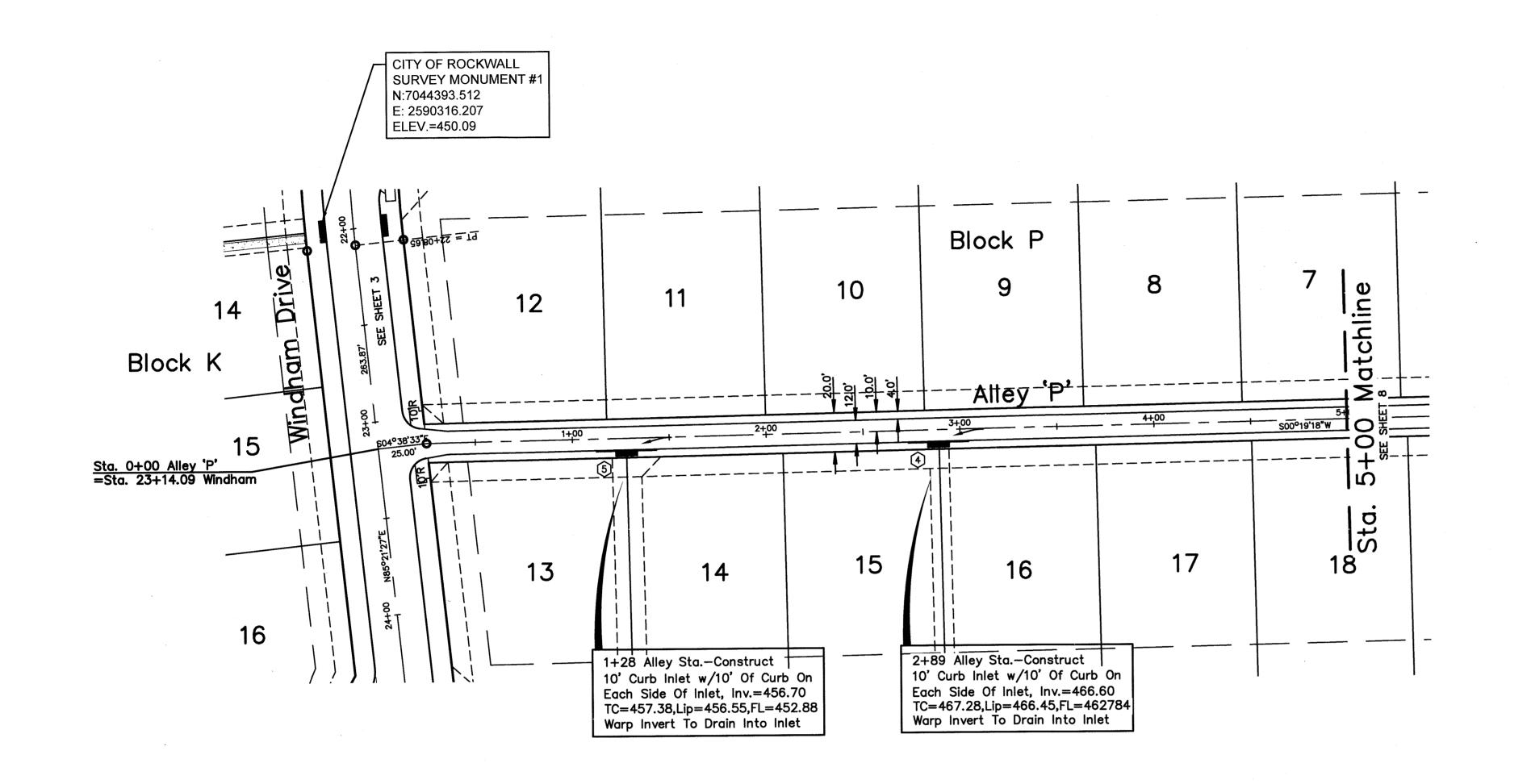
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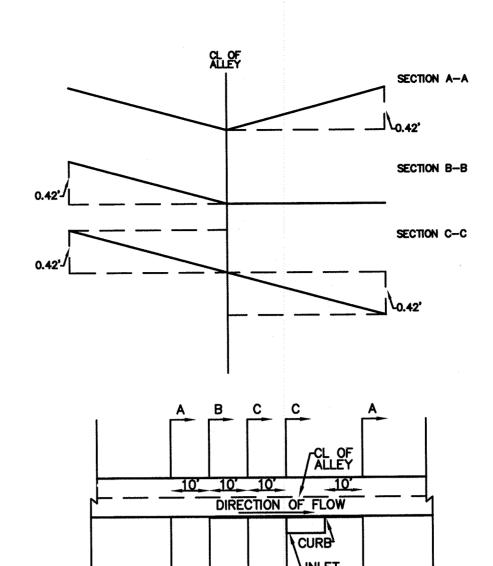
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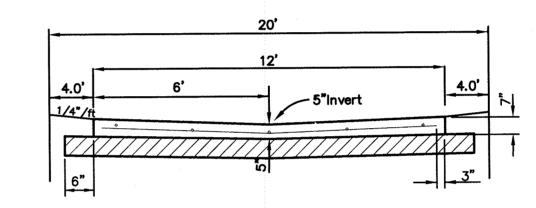
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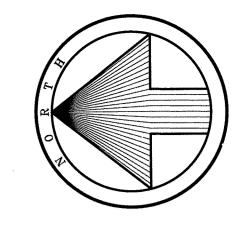


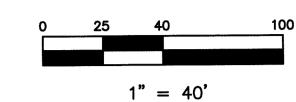
Warp Alley Section
N.T.S.



NOTES:
1. FILL COMPACTION BY SHEEPSFOOT ROLLER MIN 95% STD. DENSITY.
2. MINIMUM CONCRETE SHALL BE 4000 PSI
(6.5 SACK FOR MACHINE POURS AND 7.0 SACK FOR HAND POURS)

Typical Alley Section





CAUTION !!! EXISTING UTILITIES

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ACCURACY OF DESIGN

DATE SCALE NOTES

1"=40' H. 1"=5' V.

7-9-15

FIRM NO.

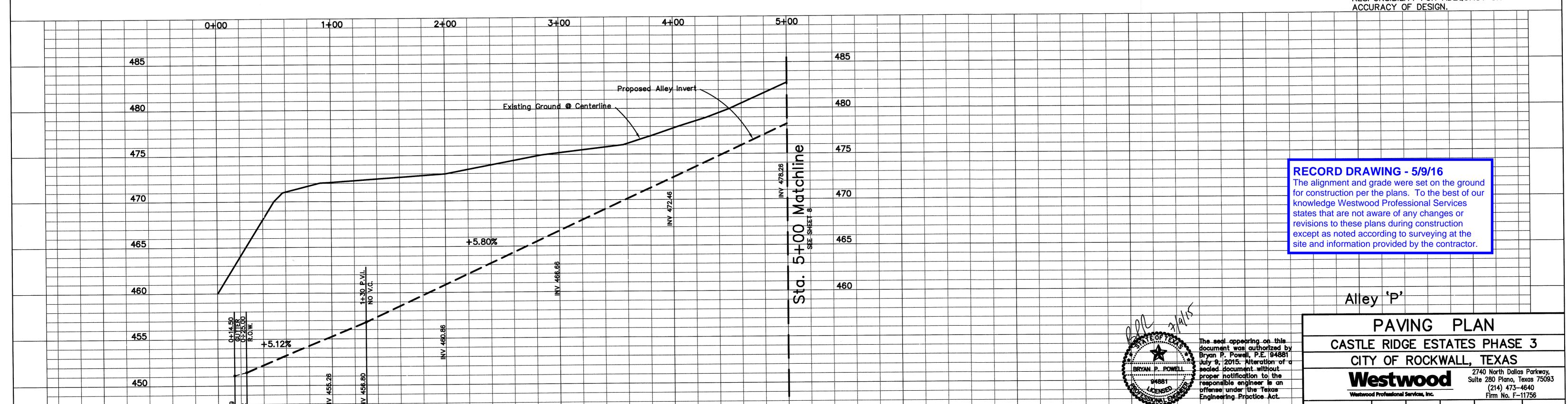
F-11756

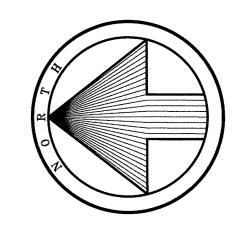
4925paving(p5)

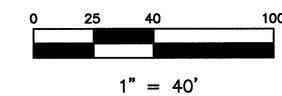
FILE

R0001337.0

NO.







EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE

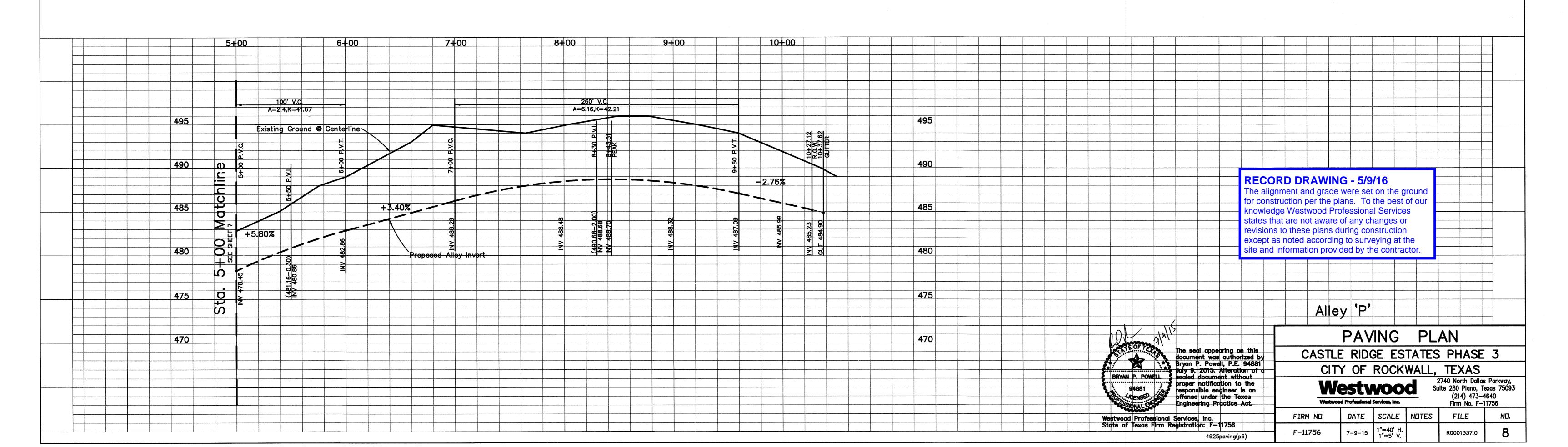


INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

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B.M. - " CUT ON EAST TOP OF CURB AT THE END OF HOLDEN DRIVE BEING N31°E A DISTANCE OF 27' FROM THE CENTERLINE INTERSECTION OF HOLDEN DRIVE AND HUNT LANE. ELEVATION 508.49

B.M. - "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1 ELEVATION 513.23



Block O

Sta. 10+52.12 Alley 'P' =Sta. 8+00.08 Chestnut

CITY OF ROCKWALL

N:7043295.565

E: 2590080.745

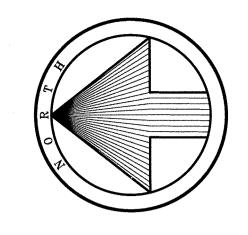
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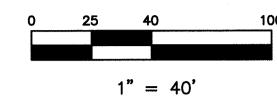
SURVEY MONUMENT #2

Block P

atchline

Sta





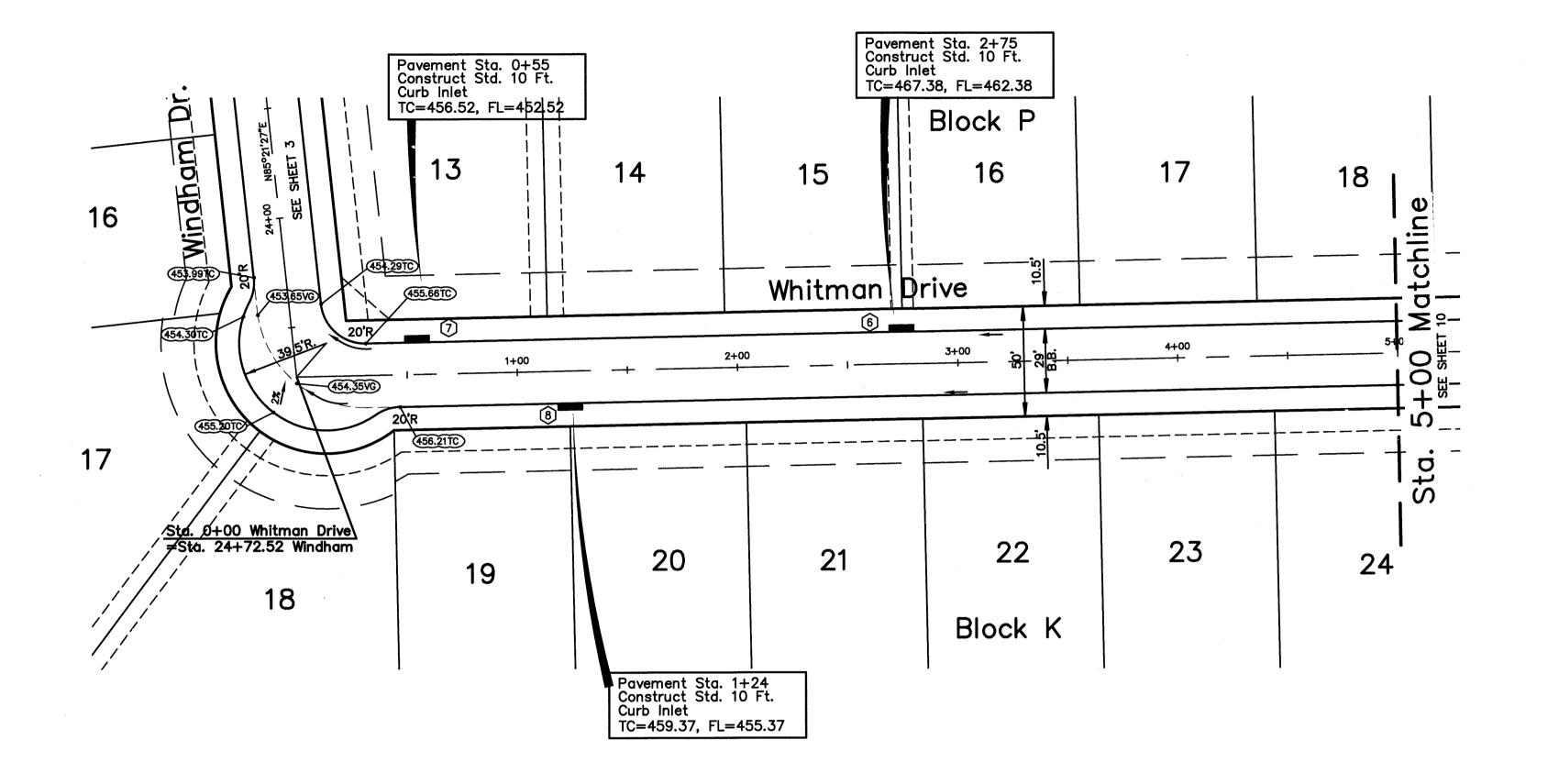
EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

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B.M. - "a" CUT ON EAST TOP OF CURB AT THE END OF HOLDEN DRIVE BEING N31°E A DISTANCE OF 27" FROM THE CENTERLINE INTERSECTION OF HOLDEN DRIVE AND HUNT LANE. ELEVATION

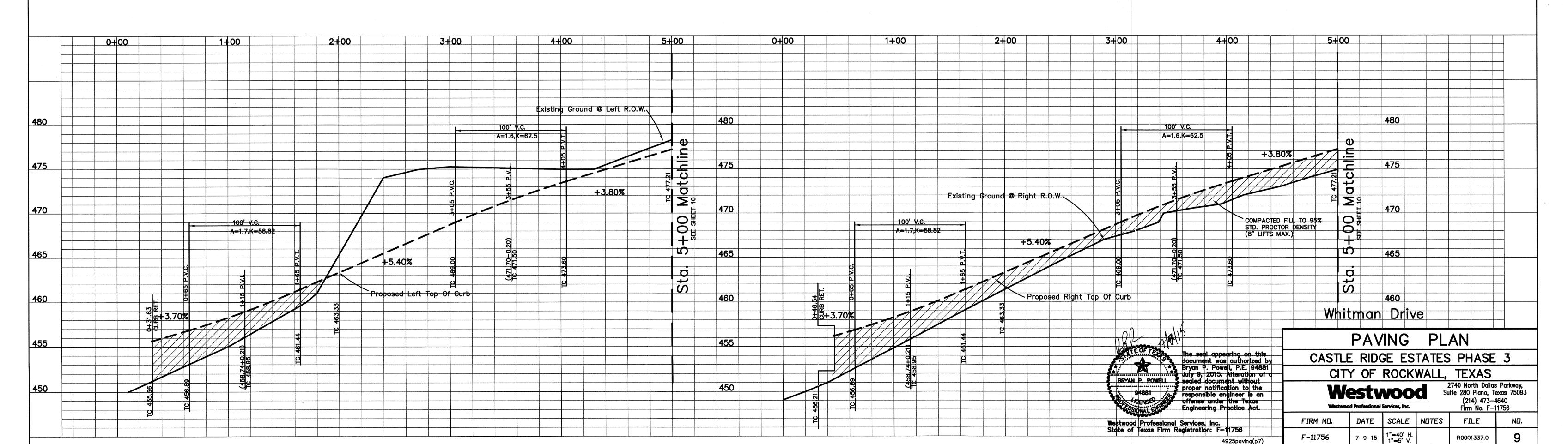
B.M. - "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1

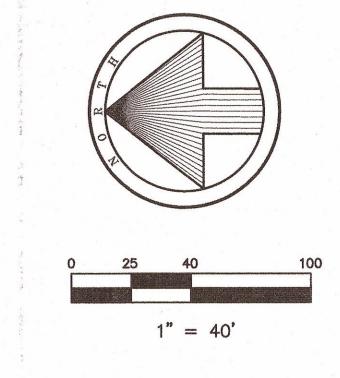
7-9-15



RECORD DRAWING - 5/9/16

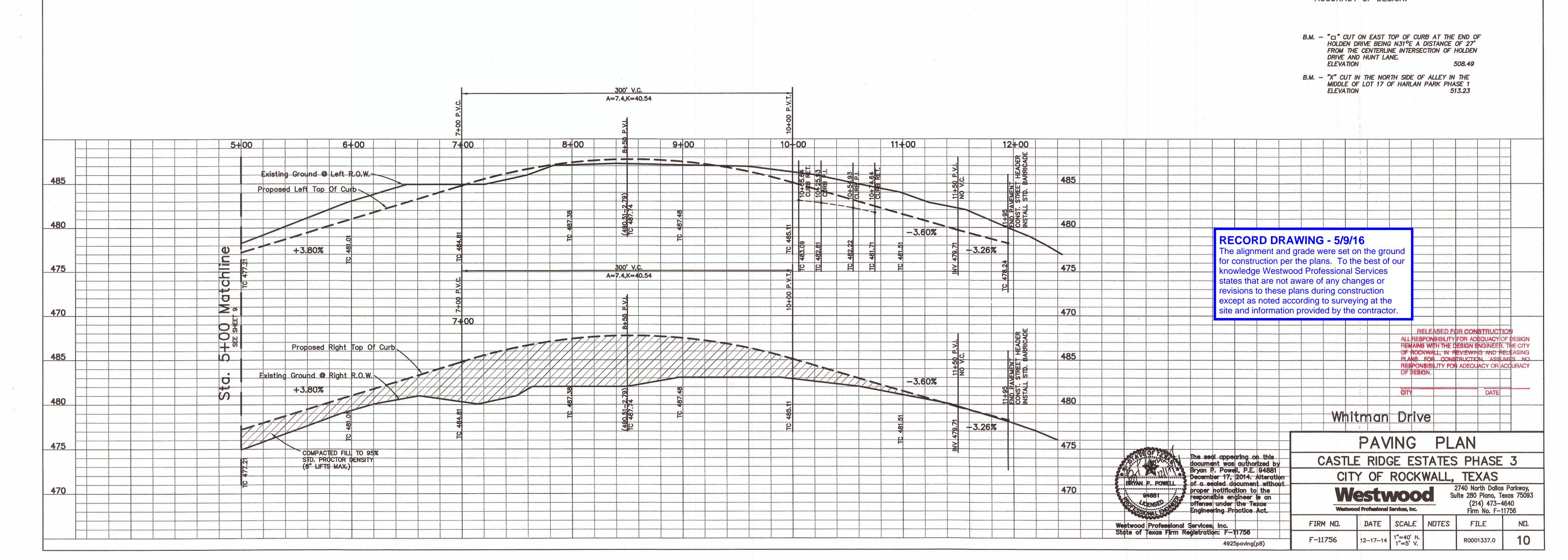
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Block P

27

18

-Itchline

-0H

S

19

S00°19'18"W

1196.81

Block O

stnu

딩

23

Whitman Drive

28

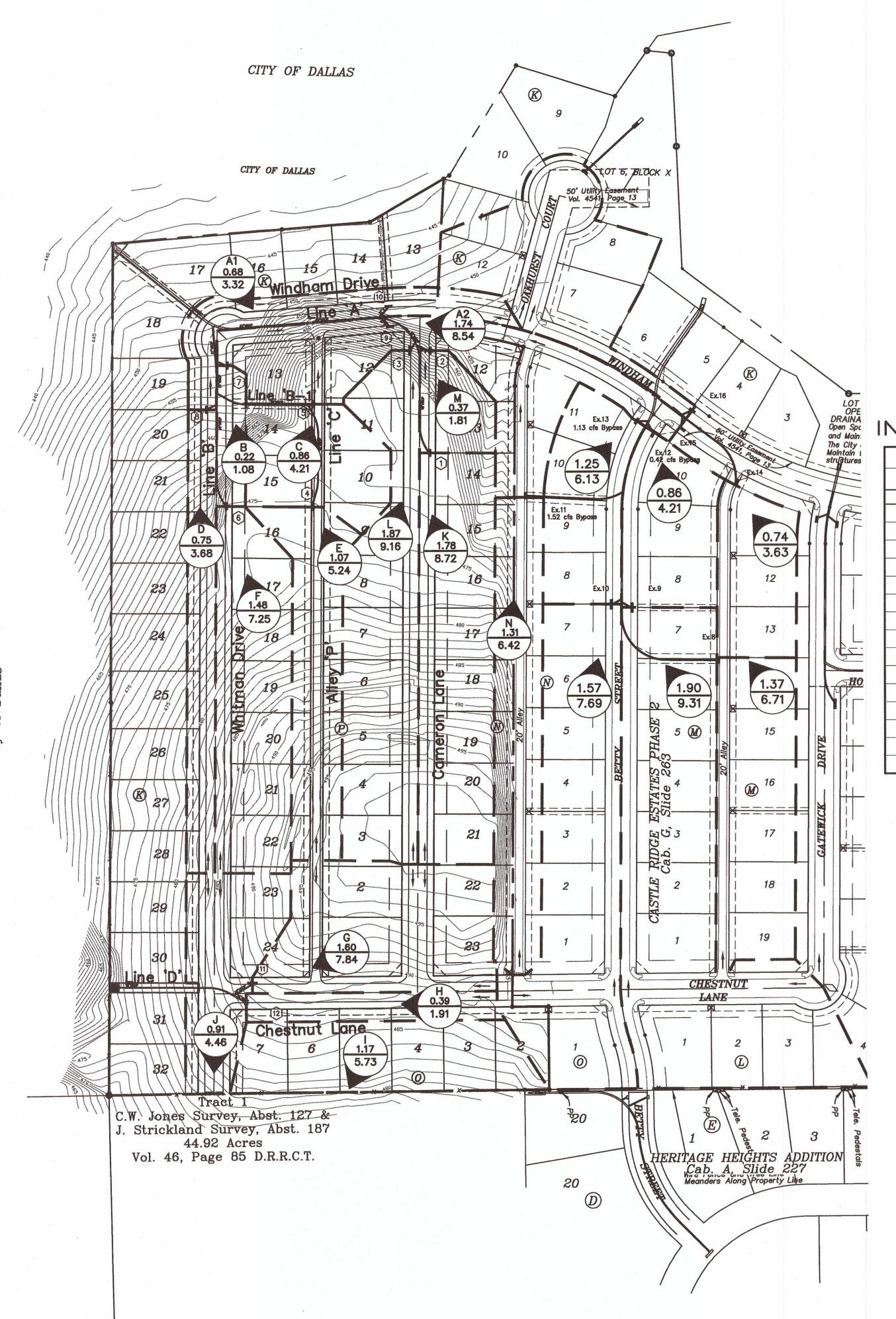
Block K

Sta. 10+40.64 Whitman =Sta. 9+60.10 Chestnut

> Sta. 11+96.81 Whitman =Property Line

> > Pavement Sta. 11+95 Construct Std. Conc. Street Header & Install

Std. Barricade



Legend

= Drainage Area Designation = Acreage

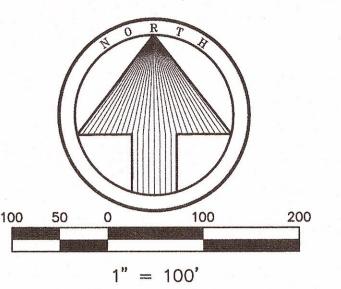
> Drainage Area Divide **Existing Contours**

= Direction Of Flow

Subdivision

C = 0.50Tc = 10 min

1 - Denotes Inlet Numbers



CAUTION !!! EXISTING UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING

INLET CALCULATION CHART

	INLET LOCATION		7	AREA Q=	RUNOFF CIA		Runoff	Carry- Over From	Total Gutter	Gutter Slope	Street Capacity	Crown Type	s	ELECTED INL	ET	Inter-	Carry- Over To	Carry- Over To
		Storm Frequency	Time Of	Intensity (in/hr)	Runoff Coefficient	Area In Acres	(cfs)	Upstream Inlet	Flow	The second second	(TC-TC)	Туре	Length 'L1'	Туре	Capacity	Flow	Dnstream Inlet	Dnstream Inlet No.
No.	STREET NAME	(YEARS)	(MIN)	"l"(100 yr)	"c"	"A"	"Q"	(CFS)	(CFS)	(%)	(CFS)		(FEET)		(CFS)	(CFS)	(CFS)	
1	2+15 Cameron	100	10	9.80	0.50	1.78	8.72	0	8.72	5.20	26.7	6" Par.	10'	Curb	4.9	4.9	3.82	2
2	0+55 Cameron	100	10	9.80	0.50	0.37	1.81	3.82	5.63	5.60	27.7	6" Par.	10'	Curb	4.9	4.9	0.73	9
3	0+55 Cameron	100	10	9.80	0.50	1.87	9.16	0	9.16	5.60	27.7	6" Par.	15'	Curb	8.0	8.0	1.16	9
4	2+89 Alley 'P'	100	10	9.80	0.50	1.07	5.24	0	5.24	5.80	17.9	5" Inv.	10'	Curb	4.8	4.8	0.44	5
5	1+28 Alley 'P'	100	10	9.80	0.50	0.86	4.21	0.44	4.65	5.80	17.9	5" Inv.	10'	Curb	4.8	4.65	0	****
6	2+75 Whitman	100	10	9.80	0.50	1.48	7.25	0	7.25	5.40	27.2	6" Par.	10'	Curb	4.8	4.8	2.45	7
7	0+55 Whitman	100	10	9.80	0.50	0.22	1.08	2.45	3.53	3.70	22.5	6" Par.	10'	Curb	5.1	3.53	0	-
8	1+24 Whitman	100	10	9.80	0.50	0.75	3.68	0	3.68	3.70	22.5	6" Par.	10'	Curb	5.1	3.68	0	-
9	22+00 Windham	100	10	9.80	0.50	1.74	8.53	4.96	13.49	SAG	N/A	6" Par.	10'	Curb	21.0	13.49	0	*****
10	22+00 Windham	100	10	9.80	0.50	0.68	3.33	0	3.33	SAG	N/A	6" Par.	10'	Curb	21.0	3.33	0	
11	9+00 Chestnut	100	10	9.80	0.50	1.60	7.84	0	7.84	0.80	12.5	6" Par.	15'	Curb	9.7	7.84	0	******
12	9+10 Chestnut	100	10	9.80	0.50	0.39	1.91	0	1.91	0.80	12.5	6" Par.	5'	Curb	2.6	1.91	0	
		-																

Ex. Inlet No. 12 - 0.42 cfs Bypass To Inlet 9 Ex. Inlet No. 13 - 1.13 cfs Bypass To Inlet 9 Ex. Inlet No. 11 - 1.52 cfs Bypass To Inlet 9

]	DRAINAGI	E CALCU	LTATIONS	3
Area Designation	Runoff Coefficient	Intensity (in,/hr)	Area (acres)	Runoff (cfs)
(MIN)	"c"	"l"(100 yr)	"A"	"Q100"
A1	0.50	9.80	0.68	3.33
A2	0.50	9.80	1.74	8.53
В	0.50	9.80	0.22	1.08
С	0.50	9.80	0.86	4.21
D	0.50	9.80	0.75	3.68
E	0.50	9.80	1.07	5.24
F	0.50	9.80	1.48	7.25
G	0.50	9.80	1.60	7.84
Н	0.50	9.80	0.39	1.91
ı	0.50	9.80	1.17	5.73
J	0.50	9.80	0.91	4.46
K	0.50	9.80	1.78	8.72
L	0.50	9.80	1.87	9.16
М	0.50	9.80	0.37	1.81
N	0.50	9.80	1.31	6.42

B.M. - "" CUT ON EAST TOP OF CURBAT THE END OF HOLDEN DRIVE BEING N31°E A DISTANCE OF 27' FROM THE CENTERLINE INTERSECTION OF HOLDEN DRIVE AND HUNT LANE. ELEVATION

B.M. - "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1 ELEVATION

RECORD DRAWING - 5/9/16

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F-11756

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

DRAINAGE AREA MAP

R0001337.0

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The seal appearing on this document was authorized by Bryan P. Powell, P.E. 94881 December 17, 2014. Alteration SHYAN P. POWELL & of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

Westwood Professional Services, Inc. State of Texas Firm Registration: F-11756

CASTLE RIDGE ESTATES PHASE 3

12-17-14 1"=100"

CITY OF ROCKWALL, TEXAS 2740 North Dallas Parkway, Suite 280 Plano, Texas 75093

(214) 473-4640 Firm No. F-11756 DATE SCALE FILE FIRM NO.

4925da(DA)

COLLEC	TION PT Manhole Down- stream Station (ft.)	Distance Between Coll- ection Points (ft.)	Contrib- uting Area, System or Inlet	Area "A" (acres)	INCREM DRAINAC Ante- cedent Factor "Ca"		Incre- mental "CaCA"	Accum- ulated "CaCA"	Time at Up- stream Station (min.)	Design Storm Freq- uency (years)	Inten- sity "ן" (in./hr)		Slope of Hydraulic Grade "S" (ft./ft.)	No. of Barr- els	RCP Dia- meter (in.)	SPAN (ft.)	RISE (ft.)	Velocity in Sewer	Manholes,		Flow Time in	Time at Down- stream Station (min.)	HYDRA GRAD ELEVA Up- stream (ft.)	DIENT
720.00	549.00	171.00	INLET 1	1.00	1.00	0.50	0.50	0.50	10.0	100	9.80	4.9	0.0022	1	18	0	0	2.8	1.50	0.18	1.0	11.0	452.72	452.35
549.00	543.00	6.00	INLET 2	1.00	1.00	0.50	0.50	1.00	11.0	100	9.80	9.8	0.0087	1	18	0	0	5.5	1.00	0.36	0.0	11.0	451.99	451.94
543.00	516.00	27.00	INLET 3	1.63	1.00	0.50	0.82	1.82	11.0	100	9.80	17.8	1	11	18	0	0	10.1	1.00	1.10	0.0			
516.00	477.00		PI		1.00	0.50	0.00	1.82	11.0	100	9.80	17.8	<u> </u>	1	18	0	0	10.1	1.00	0.00	0.1	11.1	450.07	
477.00	471.00	6.00		2.75	1.00	0.50	1.38	3.19	11.1	100	9.80	31.3	0.0058	11	30	0	0	6.4	1.00	0.00	0.0		448.95 448.77	
471.00 207.00	207.00 24.34	264.00 182.66	INLET 10 LINE B	0.68 4.38	1.00	0.50	0.34 2.19	3.53 5.72	11.1 11.7	100 100	9.80 9.80	34.6 56.1	0.0071	1	30	0	0	7.0 7.9	1.00	0.14	0.6		446.69	
207.00	24.34	102.00	LINE D	4.50	1.00	0.50	2.10	0.72		100	0.00	00.1	0.0071	3	1 00			7.0	1.00	0.2.				1
RUN	IOFF		Contrib-		INCREM	WENTAL													Head Loss					
COLLEC	TION PT	Distance	uting		DRAINA	GE AREA			Time									Velocity	Coefficient	Velocity			HYDR	AULIC
Inlet or I	Manhole	Between	Area,		Ante-				at	Design		Storm	Slope of					in Sewer	Bends,	Head Loss		Time at	GRAI	DIENT
Up-	Down-	Coll-	System		cedent	Runoff	Incre-	Accum-	Up-	Storm	Inten-	Water	Hydraulic	No.	RCP	RO	CB	Between	Manholes,	at	Flow	Down-	ELEVA	ATIONS
stream	stream	ection	or	Area	Factor	Coeff.	mental	ulated	stream	Freq-	sity	Runoff	Grade	of	Dia-			Points	and	Upstream	7		Up-	Down-
Station	Station	Points	Inlet	"A"	"Ca"	"C"	"CaCA"	"CaCA"	Station	uency	" "	"Q"	"S"	Barr-	meter	SPAN	RISE	"V"	Junctions	1	Sewer	Station		stream
(ft.)	(ft.)	(ft.)		(acres)					(min.)	(years)	(in./hr)	(c.f.s.)	(ft./ft.)	els	(in.)	(ft.)	(ft.)	(f.p.s.)	(Kj)	(ft.)	(min.)	(min.)	(ft.)	(ft.) 464.88
LINEB	1 400 00	10100			4.00	0.50	0.40	0.40	10.0	400	0.00	10	0.0004	1	18	0	^	2.7	1.50	0.17	1.0	11.0	455.02	1
287.00	123.00		INLET 6	0.98	1.00	0.50	0.49	0.49 0.87	10.0	100	9.80	4.8 8.5		1	18	0	0	4.8	1.00	0.17	0.1	2 22 2	453.64	
123.00 105.00	105.00 57.00		INLET 8 LINE B-1	0.75 1.93	1.00	0.50	0.38	1.83	11.1	100	9.80	17.9		1	21	0	0	7.5	1.00	0.51	0.1			
57.00				0.72	1.00	0.50	0.36	2.19	11.2	100	9.80	21.5		1	21	0	0	8.9	1.00	0.37	0.1			
37.00	0.00	07.00	LINE A	4.38	1.00	0.00	0.00	2.10			0.00							7.9		0.23			446.69	
	•				200																		_	
COLLEC		Distance	Contrib- uting		DRAINA	WENTAL GE AREA			Time		1988								Head Loss Coefficient	Velocity			HYDR	
		Between	Area,		Ante-	D			at	Design	luta		Slope of	NIa	DCD	D.	S.D.	in Sewer		Head Loss	1	Time at		DIENT
Up-	Down-	Coll-	System	A	cedent	Runoff	Incre-	Accum-	Up-	Storm	Inten-		Hydraulic		RCP Dia-	R	СВ	Points	Manholes, and	at Upstream	Flow Time in	Down- stream		Down-
stream Station	Station Station	ection Points	or Inlet	Area "A"	Factor "Ca"	Coeff.	mental "CaCA"	ulated "CaCA"	stream Station	Freq- uency	sity	Runoff	Grade "S"	of Barr-	meter	SPAN	RISE	"V"	Junctions			Station		stream
(ft.)	(ft.)	(ft.)	HIIGL	(acres)	Ca		OdoA	Odon	accordences of the birth birth	(years)			(ft./ft.)	els	(in.)	(ft.)	(ft.)	(f.p.s.)	(Kj)	(ft.)	(min.)	(min.)	(ft.)	(ft.)
LINE B-1		1 ()				Automobile Company																		455.11
154.96	148.00	6.96	INLET 5	0.95	1.00	0.50	0.48	0.48	10.0	100	9.80	4.7	0.0020	1	18	0	0	2.6	1.50	0.16	0.0	10.0	454.95	454.94
148.00	0.00	148.00	LINE C	0.98	1.00	0.50	0.49	0.97	10.0	100	9.80	9.5	0.0081	1	18	0	0	5.4	1.00	0.34	0.5	10.5	454.60	453.40
			LINE B	1.93								A A A A A A A A A A A A A A A A A A A						7.5	0.60	0.60			450.39	
RUN	NOFF		Contrib-		INCREI	MENTAL													Head Loss					
COLLEC	TION PT	Distance	uting		DRAINA	GE AREA	\		Time									Velocity	Coefficient	Velocity			HYDR	RAULIC
Inlet or I	Manhole	Between	Area,		Ante-				at	Design		Storm	Slope of					in Sewer	Bends,	Head Loss		Time at	GRAI	DIENT
Up-	Down-	Coll-	System	j (4)	cedent	Runoff	Incre-	Accum-	Up-	Storm	Inten-	Water	Hydraulic	No.	RCP	R	CB	Between	Manholes,	at	Flow	Down-	ELEV/	ATIONS
stream	stream	ection	or	Area	Factor	Coeff.	mental	ulated	stream	Freq-	sity	Runoff	Grade	of	Dia-			Points	and	Upstream	Time in	stream	Up-	Down-
Station	Station	Points	Inlet	"A"	"Ca"	"C"	"CaCA"	"CaCA"	Station	uency	l	"Q"	"S"	Barr-	meter	SPAN	RISE	"V"	Junctions			Station		stream
(ft.)	(ft.)	(ft.)		(acres)					(min.)	(years)	(in./hr)	(c.f.s.)	(ft./ft.)	els	(in.)	(ft.)	(ft.)	(f.p.s.)	(Kj)	(ft.)	(min.)	(min.)	(ft.)	(ft.)
LINEC	1	I		1		1				Γ	1	1	I I		1	T		T	1	1 0.4=		107	150.50	464.28
156.54	48.00	***************************************		0.98	1.00	0.50	0.49	0.49	10.0		9.80	4.8		1	18	0	0	2.7	1.50	0.17			1	
48.00	0.00	48.00		0.00	1.00	0.50	0.00	0.49	10.7	100	9.80	4.8	0.0021	1	18	0	0	2.7 5.4	0.60	0.00		11.0	455.08 454.60	
			LINE B-1	0.98			1											1 5.4	0.00	0.30			434.00	1
RUN	OFF		Contrib-		INCREI	MENTAL													Head Loss					
COLLEC	CTION PT	Distance	uting		DRAINA	GE AREA	L		Time									Velocity	Coefficient	Velocity			HYDR	RAULIC
Inlet or I	Manhole	Between	Area,		Ante-				at	Design		Storm	Slope of	1 1 2 5				in Sewer	Bends,	Head Loss	i	Time at	GRAI	DIENT
	Down-	Coll-	System		cedent	Runoff	Incre-	Accum-	Up-	Storm	Inten-	Water	Hydraulic	No.	RCP	R	CB	Between	Manholes,	at	Flow	Down-		ATIONS
Up-	stream	ection	or	Area	Factor	Coeff.	mental	ulated	stream	Freq-	sity	Runoff	Grade	of	Dia-			Points	and	Upstream				Down-
Up- stream		Points	Inlet	"A"	"Ca"	"C"	"CaCA"	"CaCA"	Station	uency	"ון"	"Q"	"S"	Barr-	meter	SPAN	RISE	"V"	Junctions			Station		stream
	Station			(acres)					(min.)	(years)	(in./hr)	(c.f.s.)	(ft./ft.)	els	(in.)	(ft.)	(ft.)	(f.p.s.)	(Kj)	(ft.)	(min.)	(min.)	(ft.)	(ft.)
stream Station (ft.)	Station (ft.)	(ft.)		(acres)																				482.02
stream Station (ft.) LINE D	(ft.)	(ft.)													1			1	1			100	470.00	
stream Station (ft.) LINE D	(ft.)	(ft.) 23.00		0.39	1.00	0.50	0.20		10.0		9.80	1.9		1	18.	0	0	1.1		0.03				479.97
stream Station (ft.) LINE D 218.00 195.00	(ft.) 195.00 150.00	23.00 45.00	INLET 11		1.00	0.50	0.80	1.00	10.4	100	9.80	9.8	0.0086	1	18	0	0	5.5	1.00	0.45	0.1	10.5	476.35	479.97 475.96
stream Station (ft.) LINE D 218.00	(ft.) 195.00 150.00 100.00	(ft.) 23.00	INLET 11 PI	0.39				1.00		100 100			0.0086 0.0086	1		0 0 0			1.00 1.00		0.1	10.5	476.35 475.11	479.97 475.96 474.68

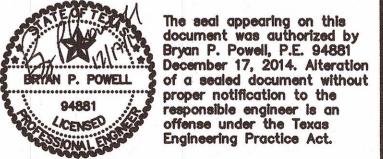
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DRAINAGE CALCULATIONS

CASTLE RIDGE ESTATES PHASE 3



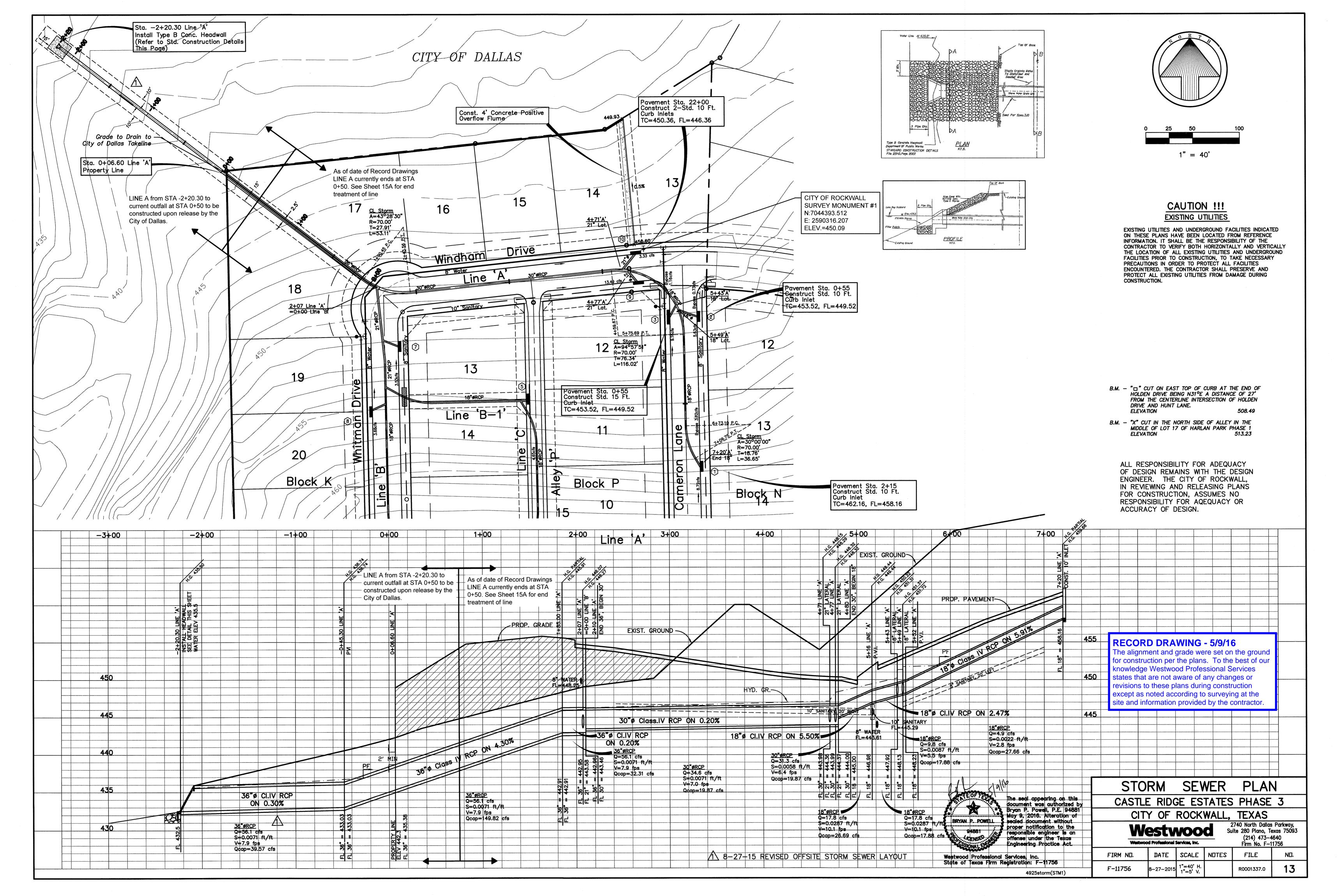
Westwood Professional Services, Inc. State of Texas Firm Registration: F—11756

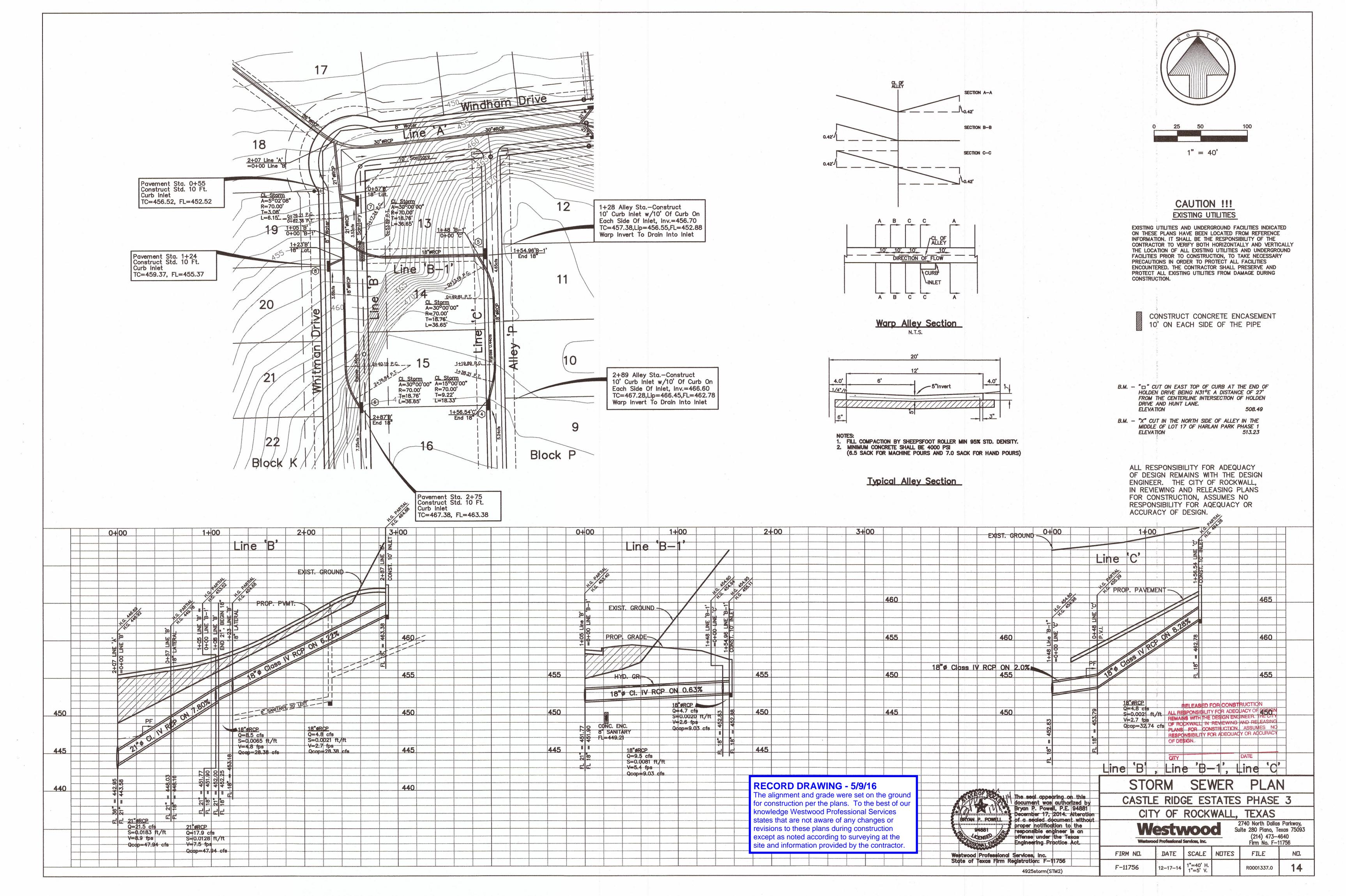
CITY OF ROCKWALL, TEXAS

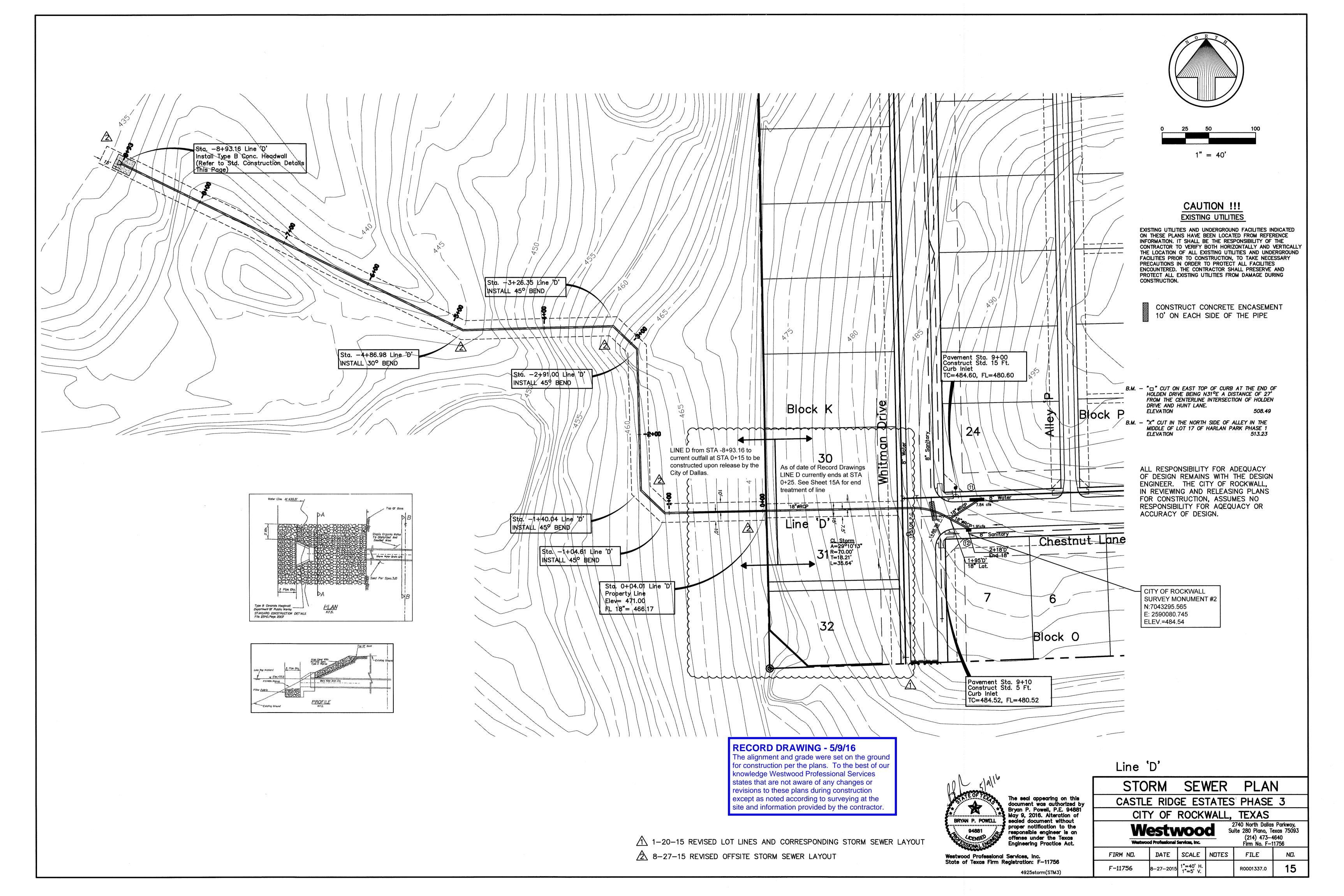
2740 North Dallas Parkway, Suite 280 Plano, Texas 75093 (214) 473-4640 Firm No. F-11756

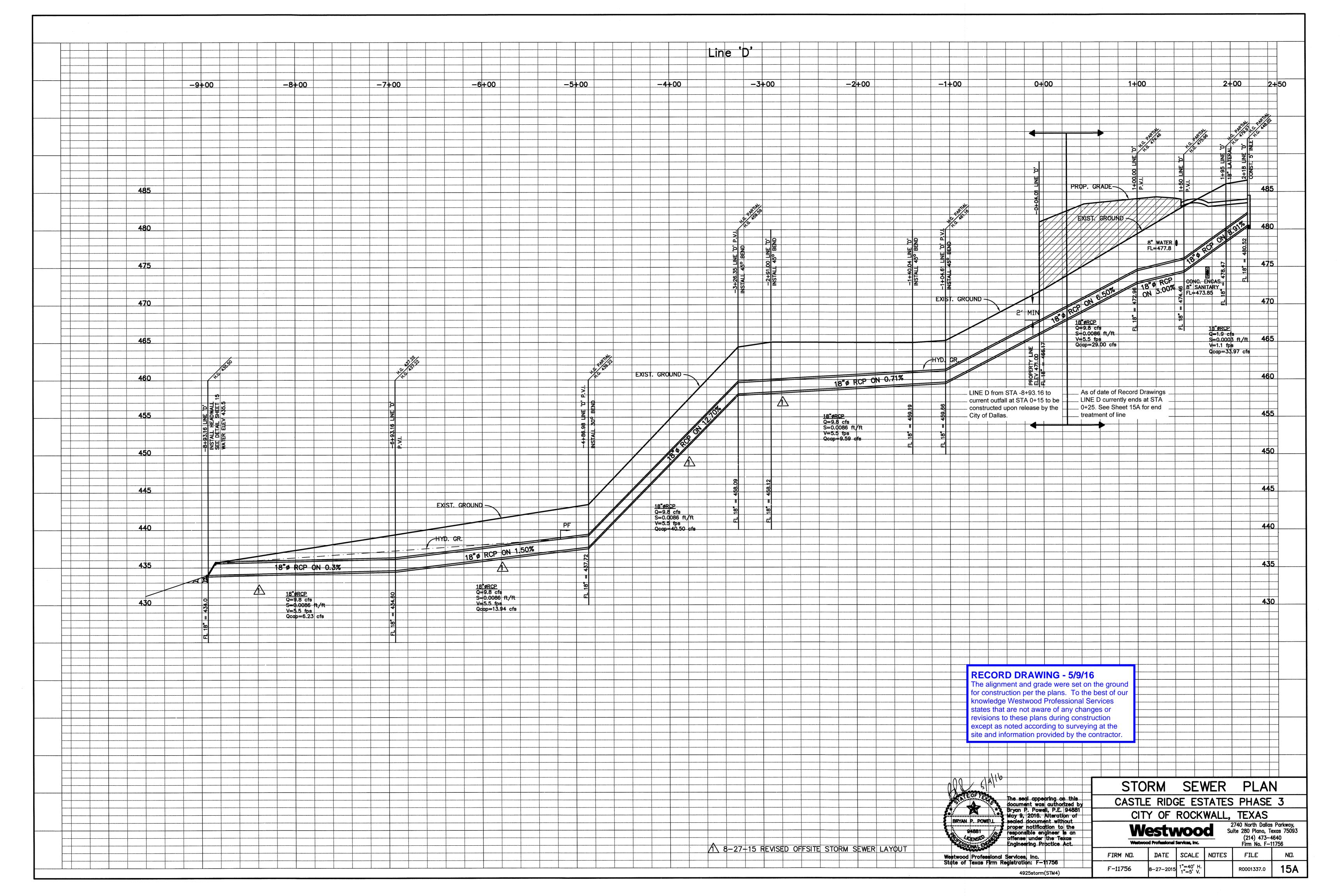
DATE SCALE NOTES FILE FIRM NO. 12 F-11756 12-17-14 R0001337.0

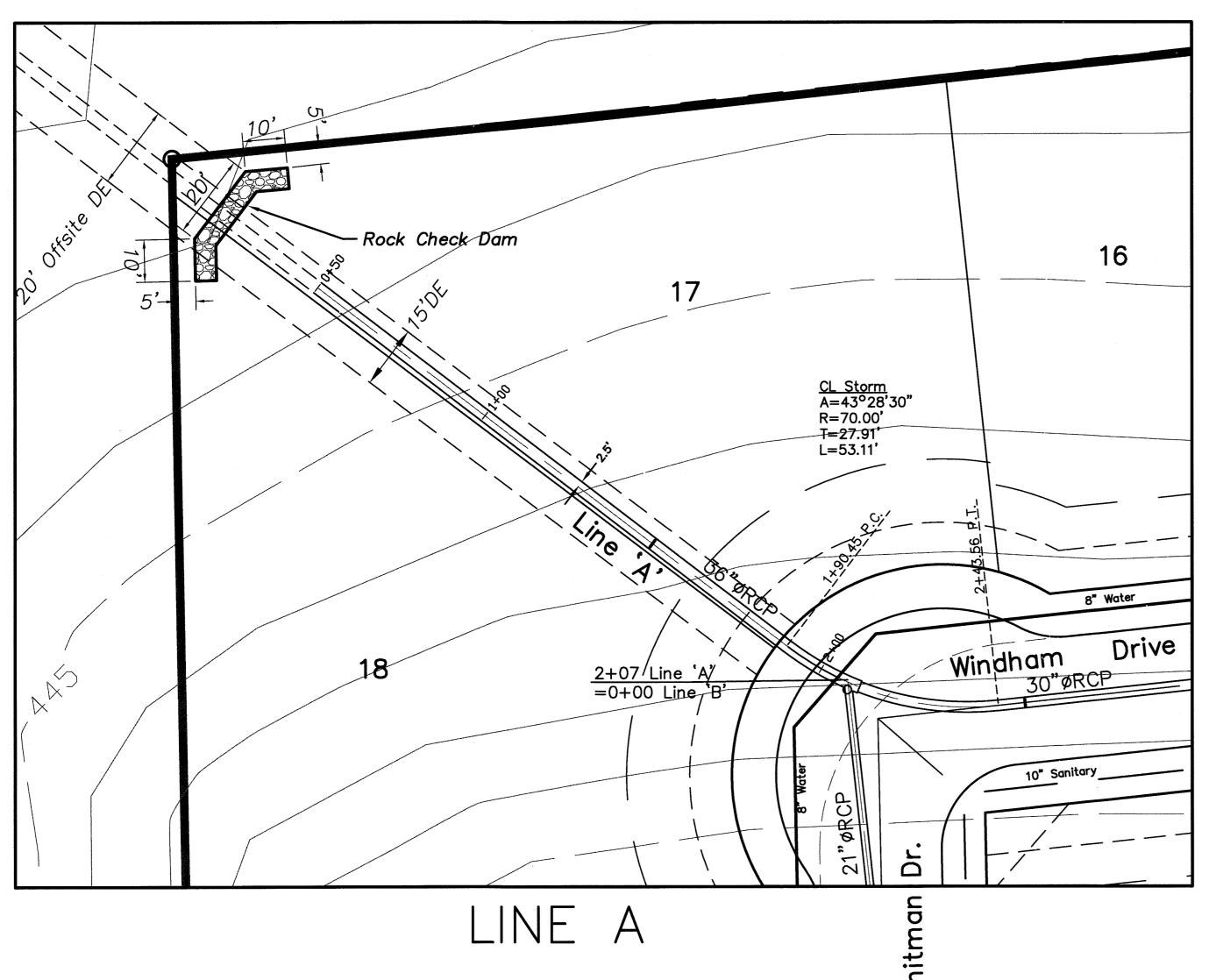
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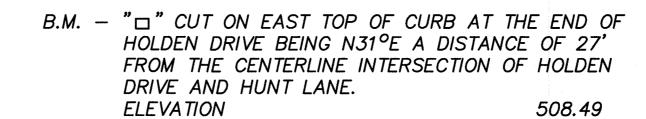






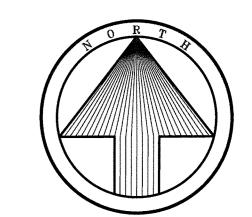






B.M. - "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1 ELEVATION

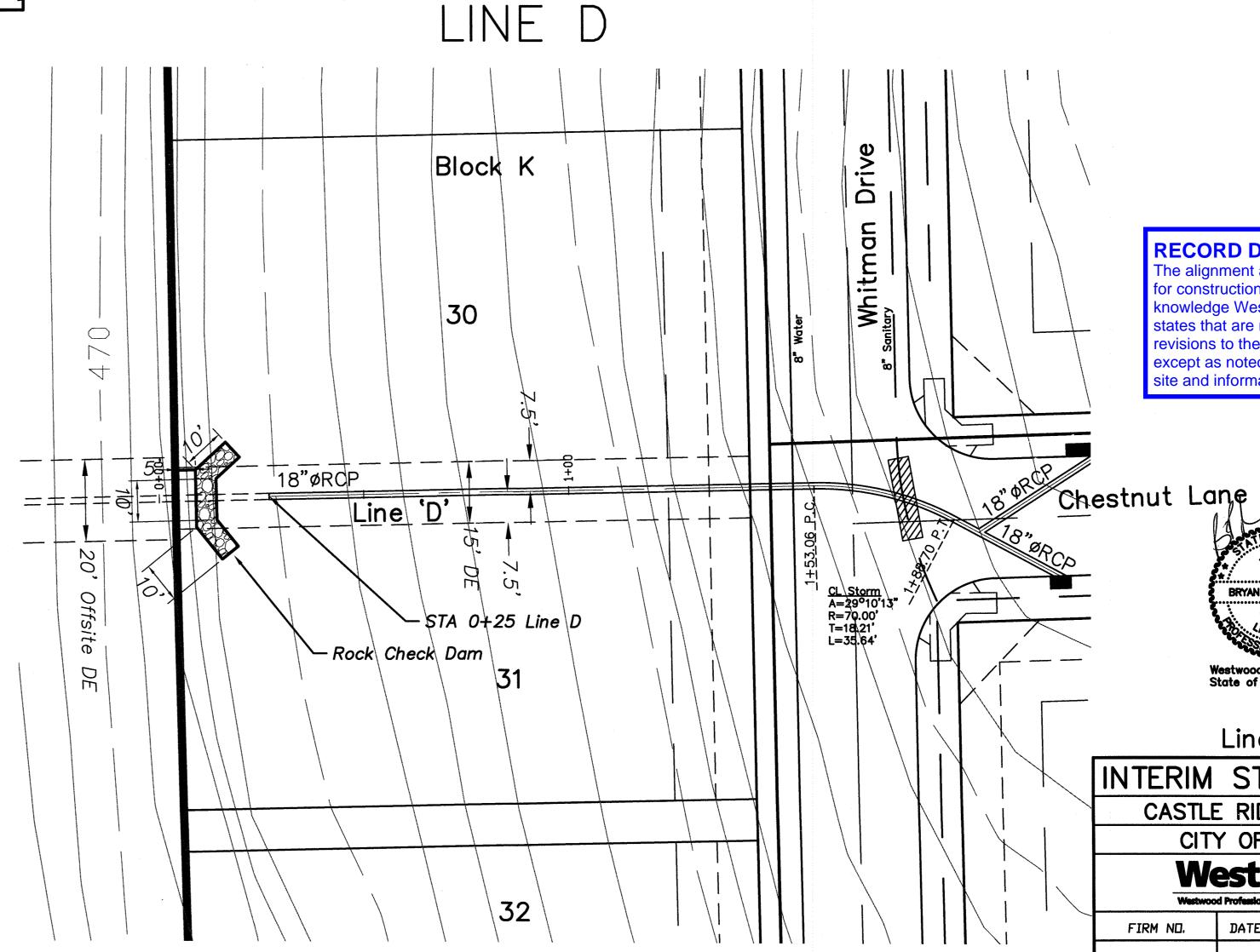
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR AQEQUACY OR ACCURACY OF DESIGN.



CAUTION !!! EXISTING UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

NOTE: INTERIM DESIGN SHALL BE EFFECTIVE UNTIL THE FINAL RELEASE IS OBTAINED FROM THE CITY OF DALLAS FOR THE TWO OFFSITE STORM SEWER LINES



RECORD DRAWING - 5/9/16

The alignment and grade were set on the ground for construction per the plans. To the best of our knowledge Westwood Professional Services states that are not aware of any changes or revisions to these plans during construction except as noted according to surveying at the site and information provided by the contractor.

Westwood Professional Services, Inc. State of Texas Firm Registration: F-11756

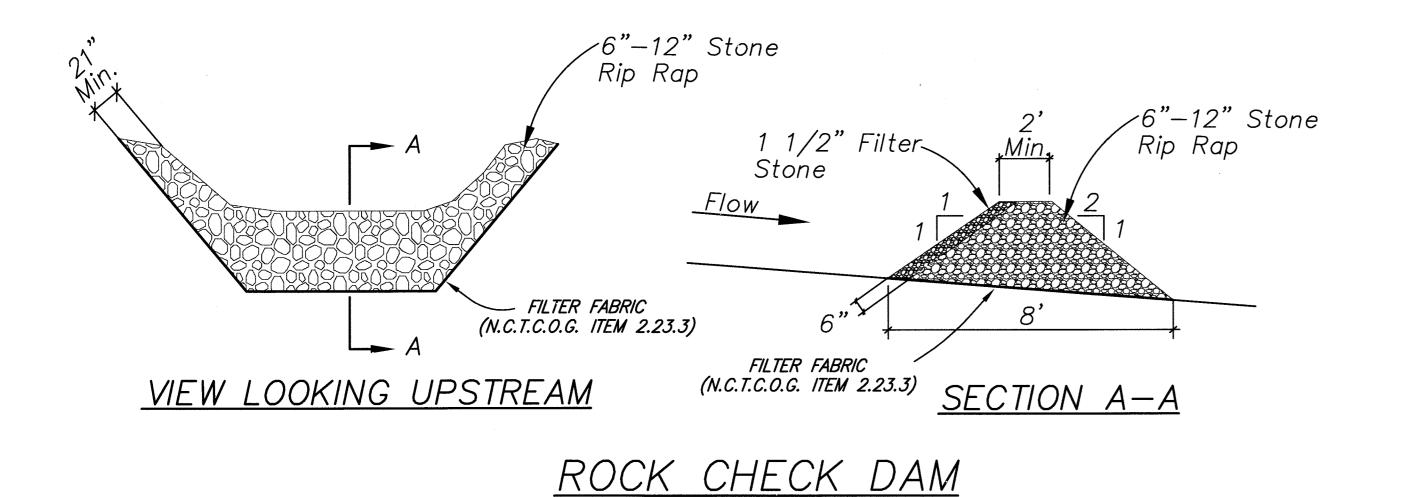
Line 'A' and 'D'

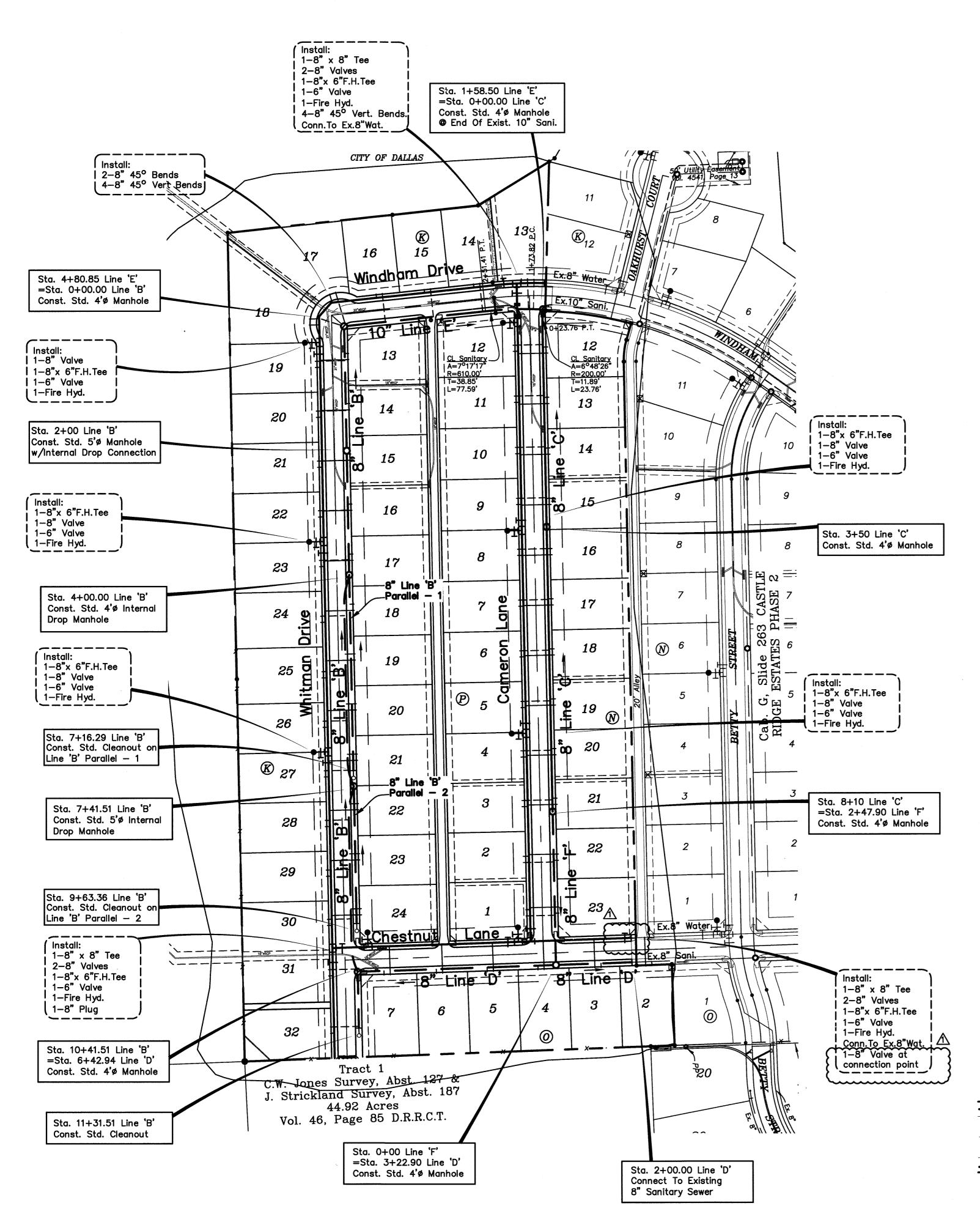
INTERIM STORM SEWER CASTLE RIDGE ESTATES PHASE 3

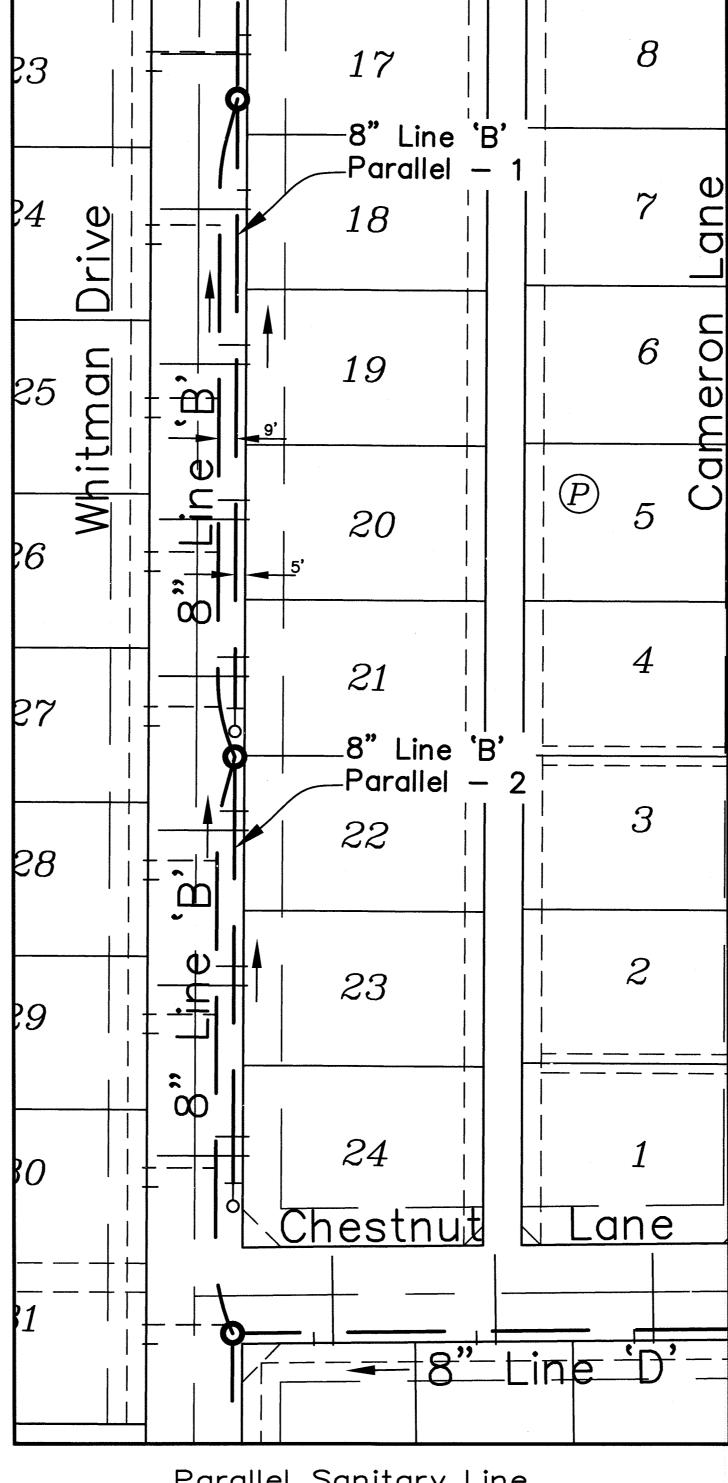
CITY OF ROCKWALL, TEXAS

2740 North Dallas Parkway, Suite 280 Plano, Texas 75093 (214) 473-4640 Firm No. F-11756 Westwood

DATE FIRM NO. SCALE NOTES FILE 15B F-11756 2-3-16 1"=20' H R0001337.0



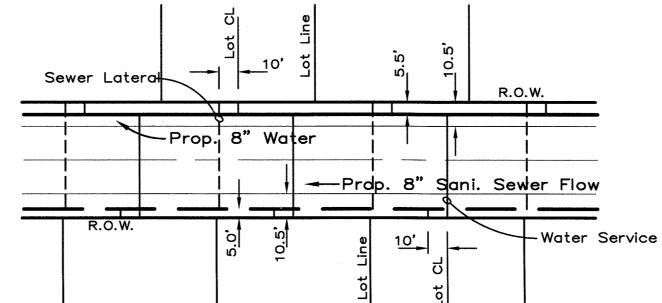




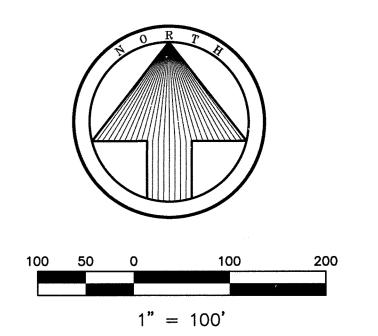
Parallel Sanitary Line Scale: 1" = 50'

Note:

Line B shall be in roadway where it is paralleled by a shallow line. Shallow, parallel line to be in ROW.



Typical Lot Service Detail



CAUTION !!! EXISTING UTILITIES

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GENERAL NOTES

- 1. All water lines shall be C-900 PVC Class 200 DR 14. C-905 pipe for water lines larger than 12".
- 2. All water lines to have 42" minimum cover below approved street grades as required to clear other utilities.
- All water services to be 1" polyethylene 200 PSI SDR located in the center of lot with cut-offs 3'-6" behind curb.
- All sanitary sewer laterals shall be 4" and located 10' downstream of water service, unless otherwise shown on plans.
- All water mains shall pass a four (4) hour 200 psi pressure test in accordance with the City of Rockwall Specifications. Test to be made by the Contractor. The Contractor shall record the location of all water and sewer services relative to lot corners. He shall also record any additions, deletions, or revisions to
- the plans which take place in the field. This information is to be furnished to the Engineer immediately after installation for the purpose of preparing "as-built" plans. Meter boxes will be supplied & installed by the Contractor. (NEED SPECIAL LID)
- The Contractor shall be responsible for coordinating line and grade for all water, sanitary sewer, and storm sewer and appurtenances. The Engineer shall furnish this information upon request.
- 9. Plastic tape for utility to be attached to the end of all water and sewer service lines, and extended above ground level. The tape shall meet the following specifications. The contractor shall provide an EMS pad on water and sewer as per City Of Rockwall Standards. "Allen Marking Tape" or equal
 - Toll marked continuously "Caution Water Line" or "Caution Sewer Line" Six (6) inches in width

 - Blue tape for water services
- 10. All existing underground facilities, such an existing water lines, sanitary sewer lines, gas lines, storm sewer lines, telephone conduits, electrical conduits, etc., that might conflict with our proposed underground facilities must be uncovered and the location verified with the Contractor prior to any underground construction for this project. The Engineer shall assist the Contractor in determining locations and elevations of these existing underground facilities.
- 11. Blue EMS disks shall be placed on every water line at change of direction, valve, service, and every 250 feet on continous line.
- 12. Green EMS disks shall be on every sanitary sewer line at every manhole, service, and cleanout.
- 13. All Manholes in paving shall be sealed.
- 14. All Manholes through undeveloped areas need to be 1 foot above existing ground.
- 15. All Manholes are to be lined with Ravon Epoxy Coating or approved equal.
- 16. All Manholes are to be spark tested. (if Ravon lined)

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

RECORD DRAWING - 5/9/16

. (CENSED.

The alignment and grade were set on the ground for construction per the plans. To the best of our knowledge Westwood Professional Services states that are not aware of any changes or revisions to these plans during construction except as noted according to surveying at the site and information provided by the contractor.

- B.M. "¬" CUT ON EAST TOP OF CURB AT THE END OF HOLDEN DRIVE BEING N31°E A DISTANCE OF 27' FROM THE CENTERLINE INTERSECTION OF HOLDEN DRIVE AND HUNT LANE.
- B.M. "X" CUT IN THE NORTH SIDE OF ALLEY IN THE MIDDLE OF LOT 17 OF HARLAN PARK PHASE 1

Water & Sanitary Sewer Plan CASTLE RIDGE ESTATES PHASE 3 The seal appearing on this document was authorized by Bryan P. Powell, P.E. 94881 May 9, 2016. Alteration of a sealed document without proper notification to the

1 5-3-16 added 8" valve at connetion point

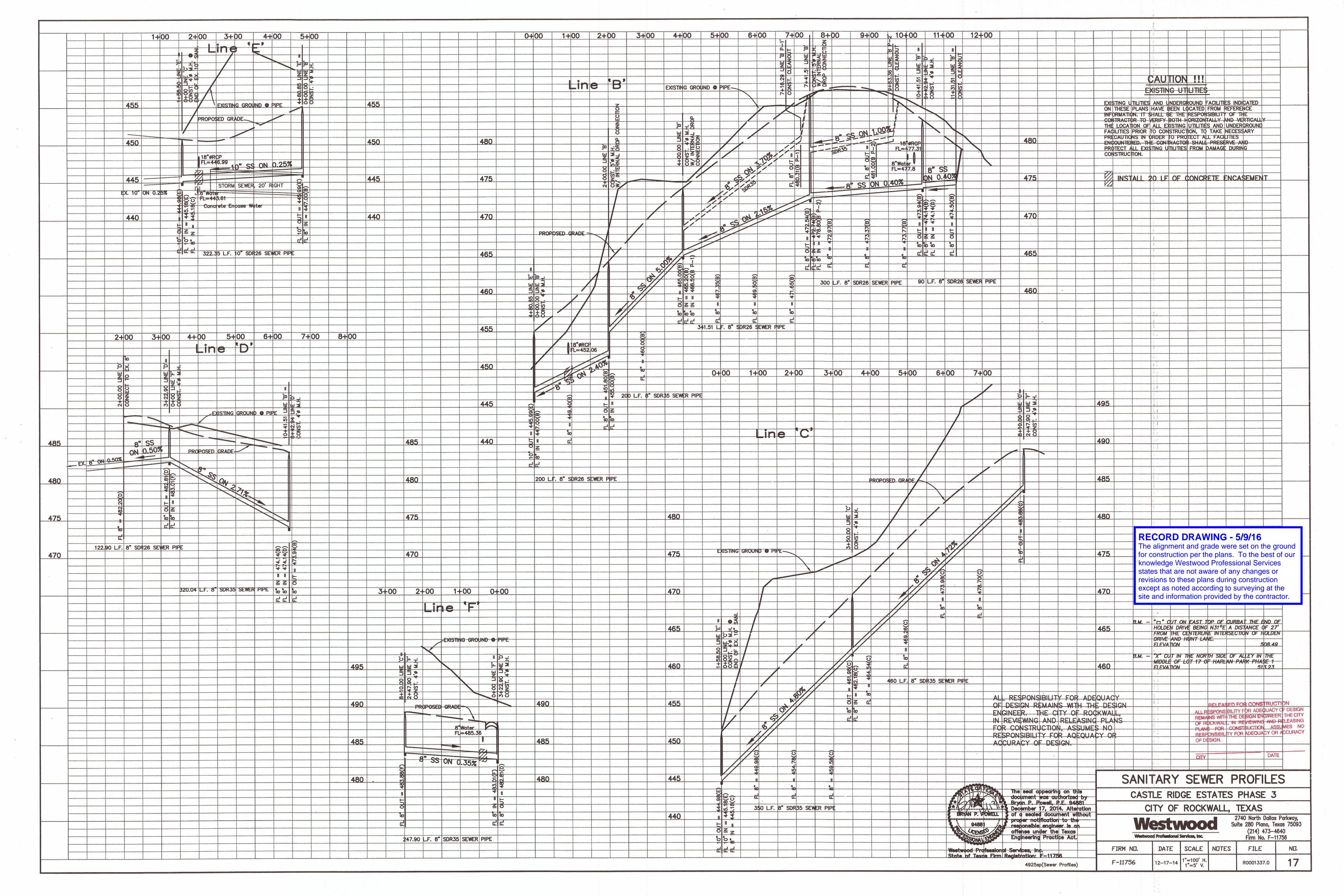
CITY OF ROCKWALL, TEXAS 2740 North Dallas Parkway, Suite 280 Plano, Texas 75093 Westwood (214) 473-4640 Firm No. F-11756

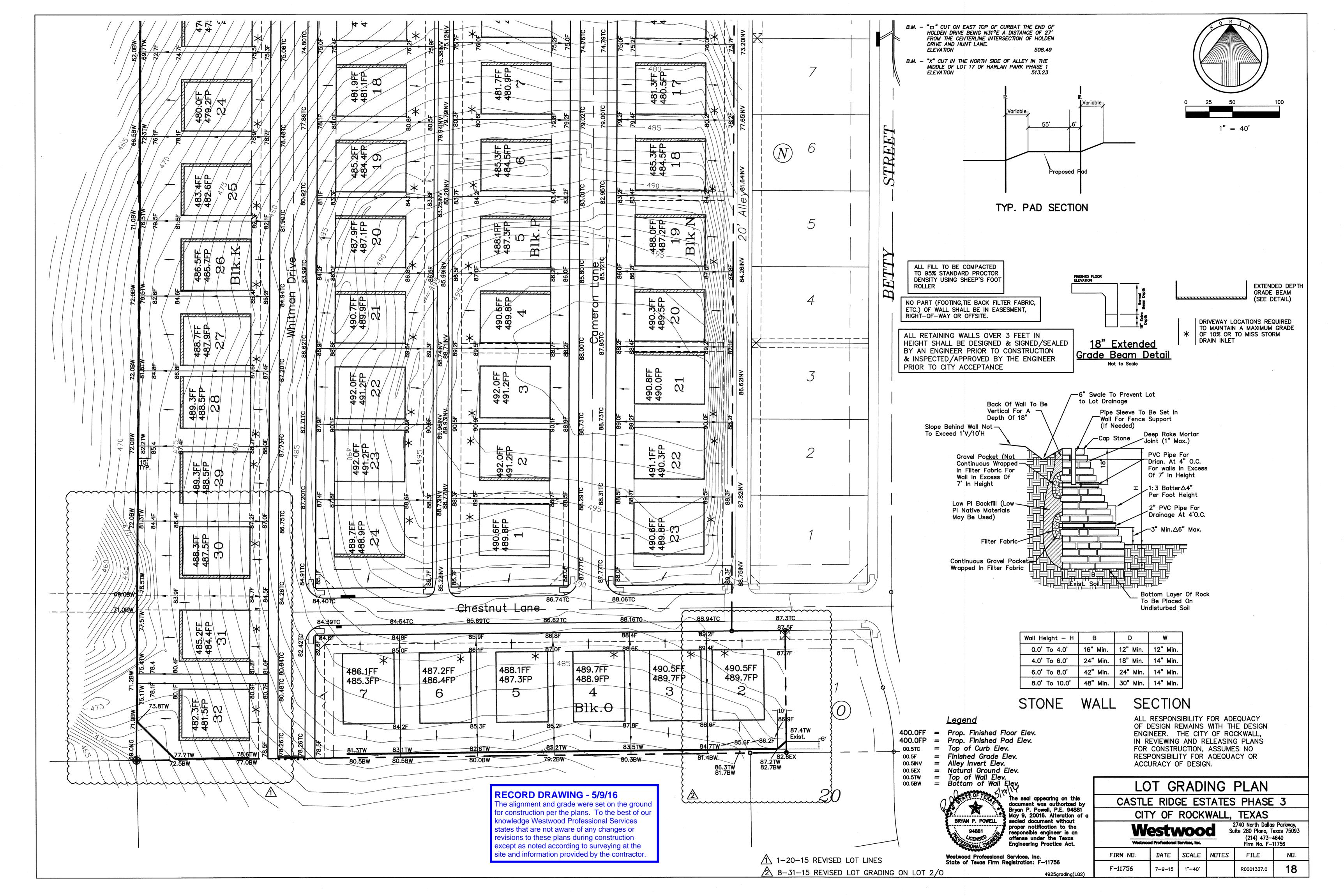
Westwood Professional Services, Inc. State of Texas Firm Registration: F-11756

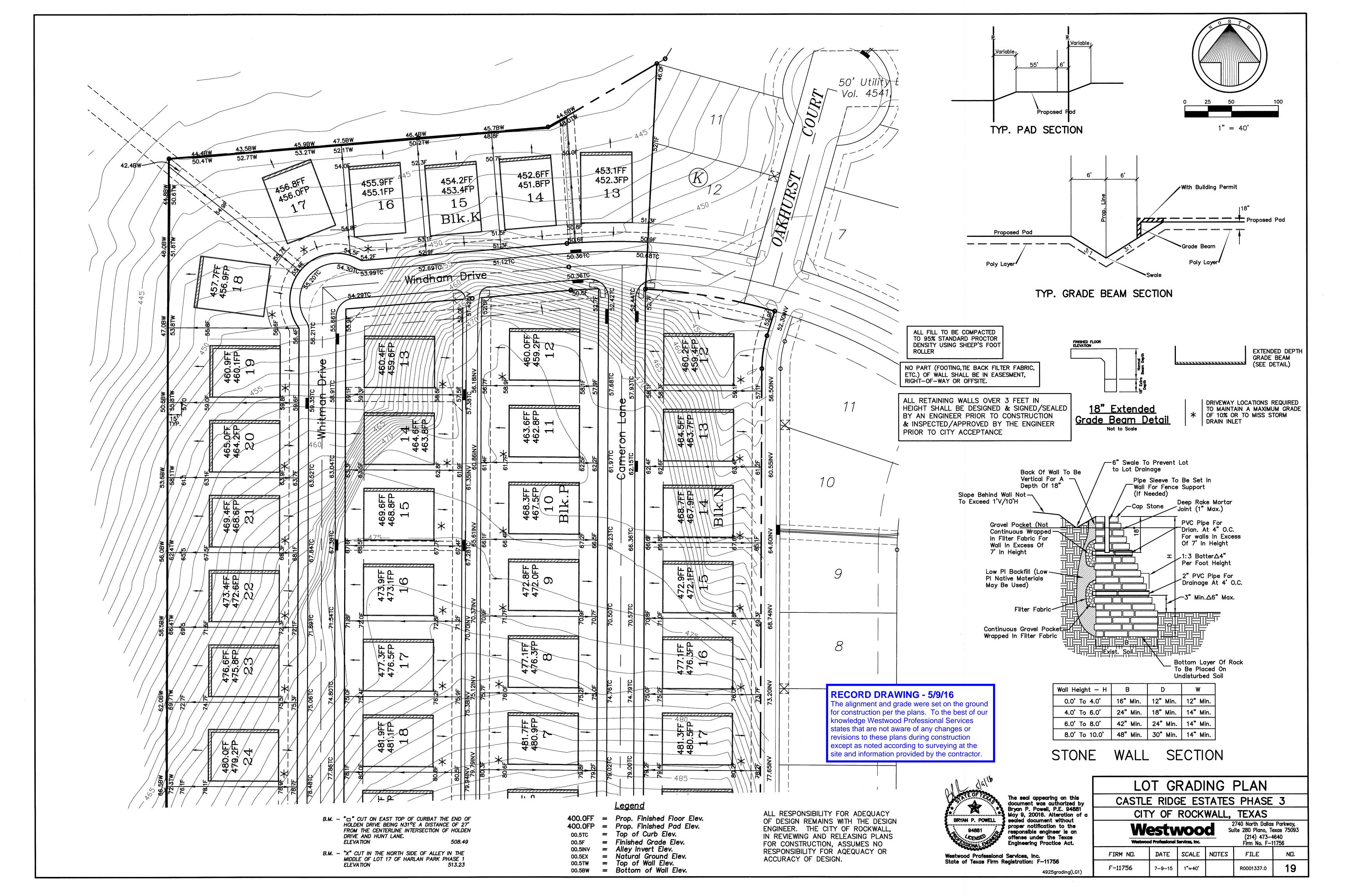
responsible engineer is an offense under the Texas

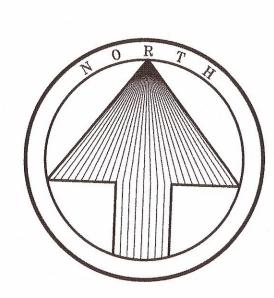
Engineering Practice Act.

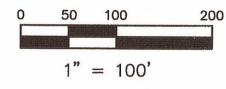
DATE SCALE NOTES FIRM NO. FILE F-11756 2-17-14 1"=100" R0001337.0











CONSTRUCTION NOTES - SILT FENCE

- 1. Posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source. The post must be embedded a minimum of 18 inches.
- 2. The toe of the silt fence shall be trenched in with a spade or mechanical trencher, so that the downslope face of the trench is flat and perpendicular to the line of flow. Where fence cannot be trenched in (e.g. pavement), weight fabric flap with washed gravel on the uphill side to prevent flow under fence.
- 3. The trench must be a minimum of 6 inches deep and 6 inches wide to allow for the silt fence fabric to be laid in the ground and backfilled with compacted material.

Silt fence shall be securely fastened to each support

- post or to woven wire, which is in turn attached to the support post. There shall be a 6 inch double overlap, securely fastened where ends of fabric meet.
- 5. Inspection shall be made weekly or after each rainfall. Repair or replacement shall be made promptly as needed.

ROCK CHECK DAM

ROCK CHECK DAW

Tract 1 C.W. Jones Survey, Abst. 127 &

J. Strickland Survey, Abst. 187

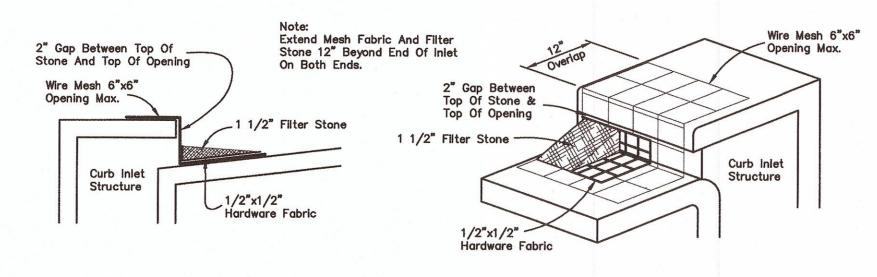
44.92 Acres

Vol. 46, Page 85 D.R.R.C.T.

19

- 6. Silt fence shall be removed when the site is completely stabilized so as not to block or impede storm flow or drainage.
- 7. Accumulated silt shall be removed when it reached a depth of 6 inches. The silt shall be disposed of at an approved site and in such a manner as to not contribute to additional siltation.

CITY OF DALLAS



1. Curb Inlet Protection 5.10, As Per City Of Plano Erosion And Sediment Control Manual Dated 1997.

2. Wire Fabric - Standard galvanized hardware fabric

SEDIMENT BARRIER AT INLETS

4. Wire Mesh — welded wire fabric conforming to NCTCOG Specification 2.2.7 maximum opening 6"x6".

Not to Scale

10

(N) 6

CONSTRUCTION ENTRANCE

0

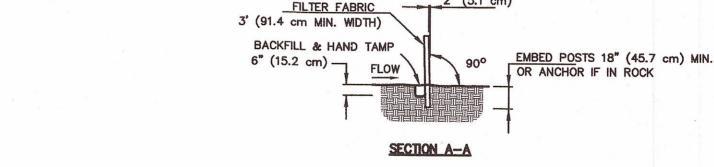
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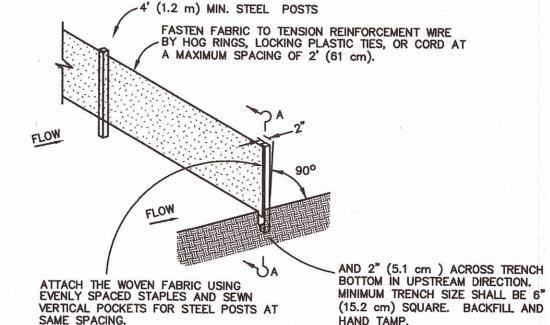
18

10

with 1/2" by 1/2" openings.

3. Filter Stone — NCTCOG Specification 2.1.8.(e)

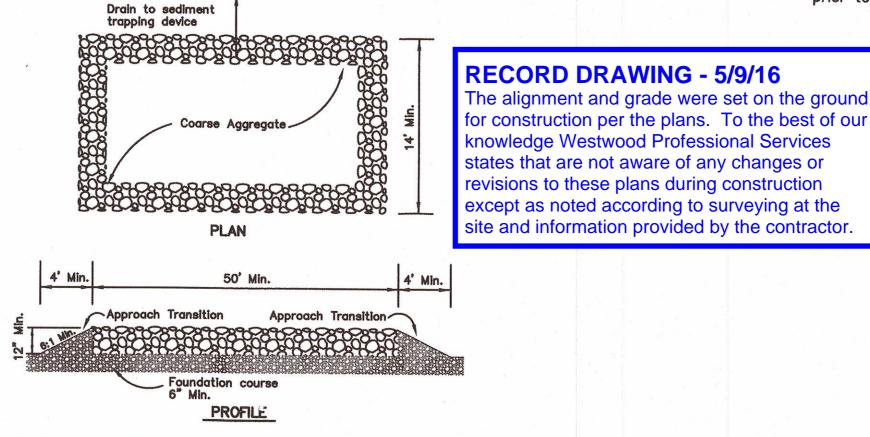




SILT FENCE Not To Scale

∕6"-12" Stone Rip Rap Stone FILTER FABRIC (N.C.T.C.O.G. ITEM 2.23.3) (N.C.T.C.O.G. ITEM 2.23.3) SECTION A-A VIEW LOOKING UPSTREAM

ROCK CHECK DAM



GENERAL NOTES: (Construction Exit-Type 1)

- 1. THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL NOT BE LESS THAN 50'. 2. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".

- 3. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.

 4. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
- 5. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
- 6. THE CONSTRUCTION EXIT SHALL NOT BE CRUSHED CONCRETE.

CONSTRUCTION EXIT (TYPE-1)



The seal appearing on this document was authorized by Bryan P. Powell, P.E. 94881 December 17, 2014. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas

Westwood Professional Services, Inc. State of Texas Firm Registration: F-11756 4925EC(EC)

GENERAL NOTES FOR STORM WATER POLLUTION PREVENTION PLAN

- 1. All operators and/or contractors shall conform to the terms and conditions of the National Pollution Discharge Elimination Systems (NPDES) General Permit as published in the Federal Register, Vol. 57, No. 175. September 9, 1992, by the Environmental Protection Agency (EPA).
- 2. The Notice of Intent (NOI), as required by the General Permit, must be
- properly displayed on site at all times by each operator. 3. All releases of reportable quantities of hazardous substances shall be
- reported immediately to the facility operator and EPA. 4. Qualified operator personnel must inspect the site at least once every seven days and within 24 hours of a 1/2 - inch or greater rainfall event. The inspector shall document the results.
- 5. Modifications to the Storm Water Pollution Prevention Plan shall be implemented and be in-place within a seven calendar day period.
- 6. If any contractor sees a violation by an operator or another contractor, he shall notify the operator and contractor in violation, as well as the facility
- Erosion control shall be installed prior to any grading.
- 8. Accumulated silt deposits shall be removed from silt fences and hay bale dikes when silt depth reaches six inches. Removal of silt deposits by the contractor shall be incidental to the performance of the contract and a separate bid item shall not be included.
- 9. The contractor shall add or delete erosion protection at the request and direction of the Operator or the City.
- 10. After installation of pavement, final lot benching and general cleanup, the Paving Contractor shall establish grass groundcover in all street parkways, lots and all other disturbed areas. Materials shall be as specified in Item 2.15 and seeding shall be in accordance with Item 3.10 of the NCTCOG Standard Specifications.
- 11. It shall be the contractor's responsibility to control and limit silt and sediment leaving the site. Specifically, the contractor shall protect all public streets, alleys, streams and storm drainage systems from erosion deposits.
- 12. It shall be the contractor's responsibility to provide a dumpster (or equal) to collect solid waste materials during construction.
- 13. The attached Drainage Area Map, as prepared by Tipton Engineering, Inc., specifically for this project, shall be made part of the Storm Water Pollution Prevention Plan.
- 14. It is anticipated that the following non-storm water discharges will be associated with this project. These discharges are authorized through the construction general permit:
 - A. Fire hydrant flushings B. Water used to wash vehicles and to control dust
 - C. Potable water sources including waterline flushings
 - D. Irrigation drainage
 - E. Pavement washdown
- F. Uncontaminated ground water
- G. Construction water
- 15. Construction waste disposal containers shall be provided on the site for disposal of all non-hazardous construction waste materials. The containers shall be hauled to landfill by the Contractor.
- 16. All hazardous materials shall be handled and disposed of by the Contractor in accordance with Federal, State and Local regulations.

CONSTRUCTION NOTES:

- 1. Silt fences shall be installed as shown in detail.
- 2. Contractor will install additional erosion control where erosion protection is needed as per the owners engineers, or the City
- 3. The existing vegetation along existing parkways and medians
- shall be replaced to its original condition or better.
- 4. All drainage swales shall be grassed as per City Standards, prior to the City acceptance of project.
- 5. All construction erosion control shall meet City Ordinance.
 6. Erosion construction shall be completed in the following PHASES:
- PHASE 1 (Prior To Start Of Rough Grading)
- 1. Silt fence to be installed as shown on plan or as required. PHASE 2 (After utility construction & prior to paving const.)
- 1. Silt fence shall be placed around top of inlets until topped out, prevent erosion material from entering storm sewer system.
- PHASE 3 (After paving construction)
- 1. Silt fence shall be placed along back of curb and along the edge
- of alley pavement on lots. 2. All parkways and disturbed areas. to be seeded with grass as
- per city standards prior to acceptance.
- 3. Vegitation to be established in all offsite disturbed areas.
- 4. 75-80% of all disturbed area to have a minimum of 1" stand of grass prior to engineering acceptance.

- Phase 1 - Phase 2

Legend

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

STORMWATER POLLUTION

PREVENTION PLAN

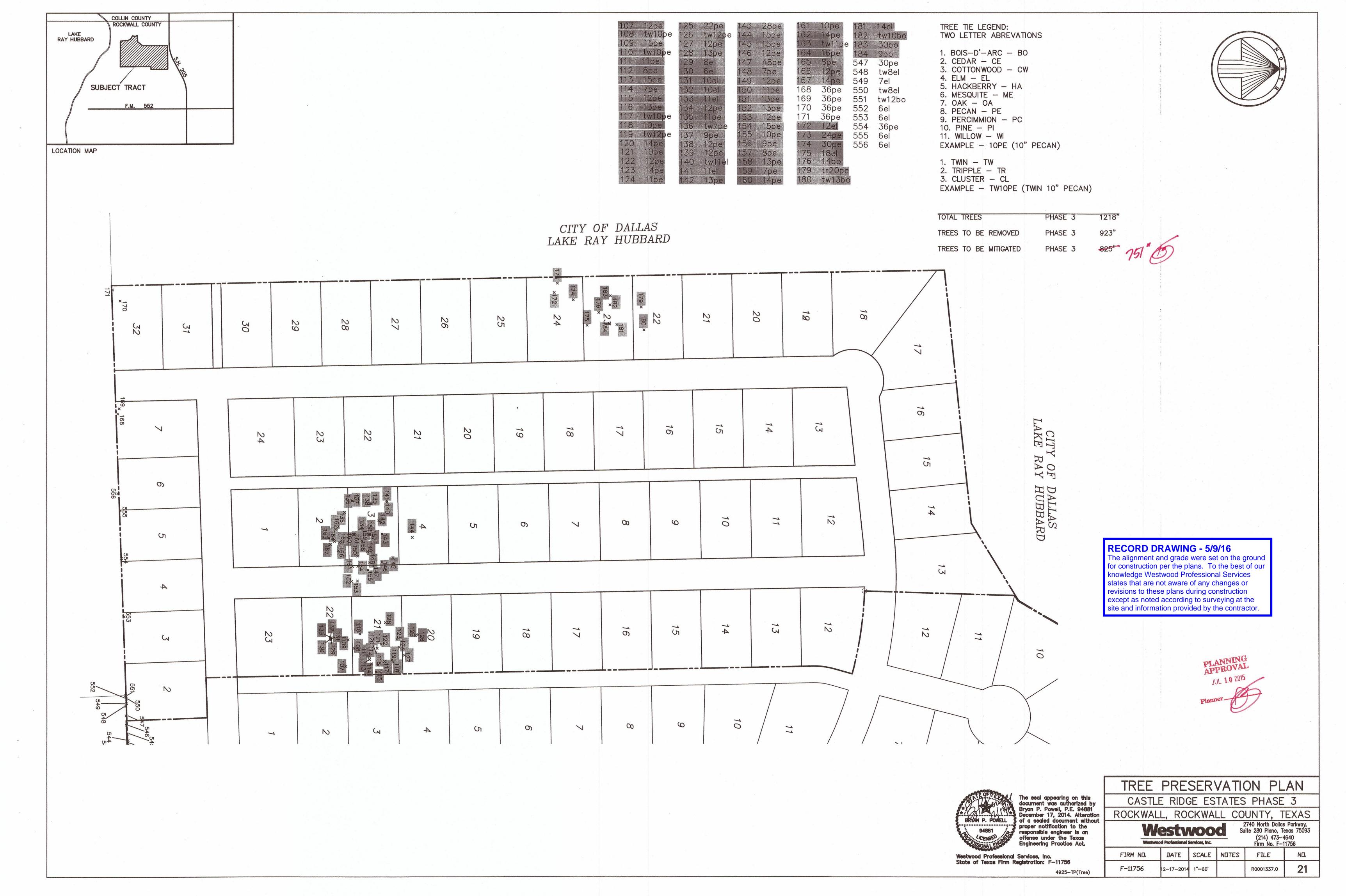
CASTLE RIDGE ESTATES PHASE 3 ROCKWALL, ROCKWALL COUNTY, TEXAS

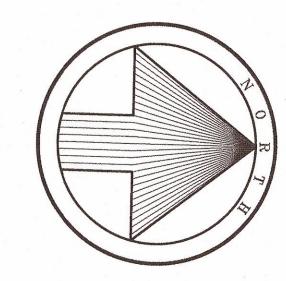
Westwood Westwood Professional Services, Inc.

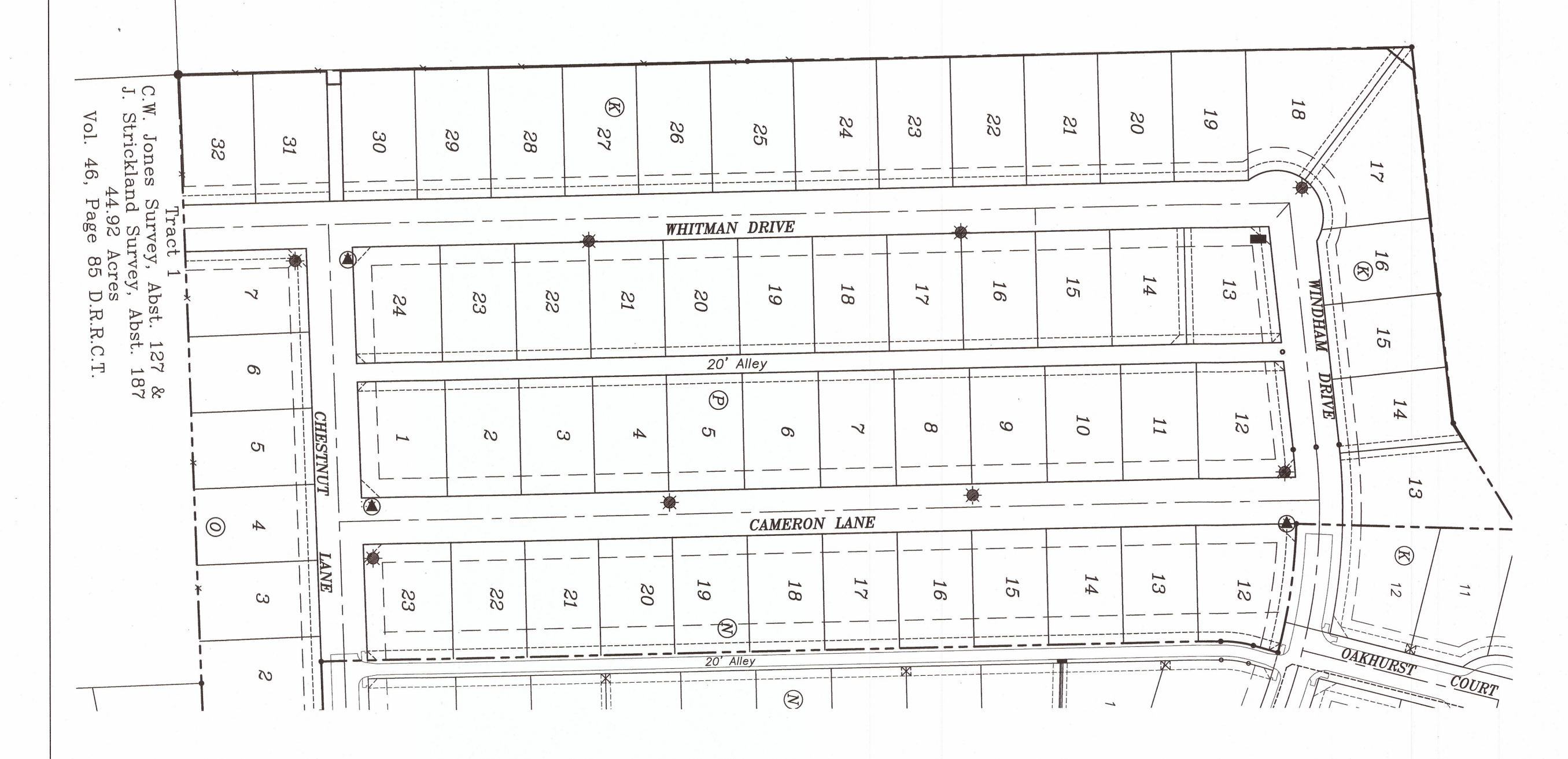
2740 North Dallas Parkway, Suite 280 Plano, Texas 75093 (214) 473-4640 Firm No. F-11756

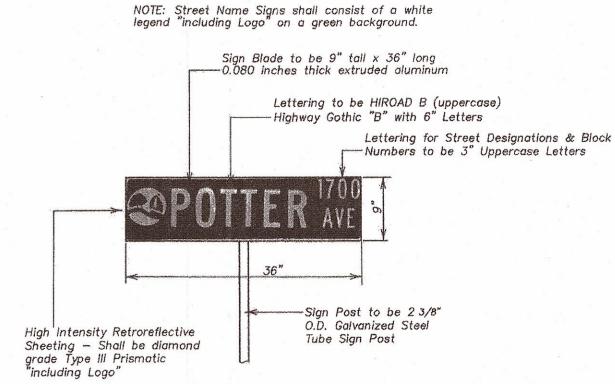
FIRM NO. DATE SCALE NOTES FILE F-11756 12-17-14 1"=100" R0001337.0

Engineering Practice Act.









STREET SIGN DETAIL NOT TO SCALE

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



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STREET SIGN NOTES:

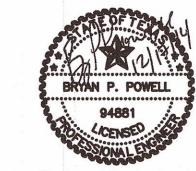
- 1. Block numbers are required on all street name blades. 2. All signage installed shall comply with the current Texas
- Manual on Uniform Traffic Control Devices.
- 3. Street name blades shall be nine inch tall extruded aluminum. The street name blades shall be 0.080 inches thick. 4. High Intensity retroflective sheeting for street and regulatory and warnging signs shall be Diamond Grade Prismatic Type III
- High Intensity. 5. The lettering for street name blades shall be Hiroad B-Font Highway Gothic-8" Uppercase 6" Tall Letter. Letters of abbreviated street designations shall be 3" tall and all uppercase
- (i.e. LN, PKWY, CT, etc.). Block numbers shall be 3" tall. 6. The street sign background shall be green and the legend shall be white.
- 7. Street sign blade must incorporate the current City of Rockwall logo. High Intensity Retroreflective Sheeting - White 8. For a street with only one cul-de-sac end, a standard W14-2A shall be mounted over the street name blade. In the case where two cul-de-sac ends, two standard 14-2A signes shall be mounted over the street name blade in the appropriate directions.

RECORD DRAWING - 5/9/16

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Legend

- Denotes Stop Sign
 Location w/Street Names
- Denotes Street Light Standard Location
- Denotes Street Name Sign



The seal appearing on this document was authorized by Bryan P. Powell, P.E. 94881
December 17, 2014. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

Westwood Professional Services, Inc. State of Texas Firm Registration: F-11756

4925EC(Sign-Light)

Street Sign and Lighting Plan CASTLE RIDGE ESTATES PHASE 3

ROCKWALL, ROCKWALL COUNTY, TEXAS

Westwood

2740 North Dallas Parkway, Suite 280 Plano, Texas 75093 (214) 473-4640 Firm No. F-11756 FILE NO.

DATE SCALE NOTES FIRM NO. F-11756 12-17-14 1"=60" R0001337.0

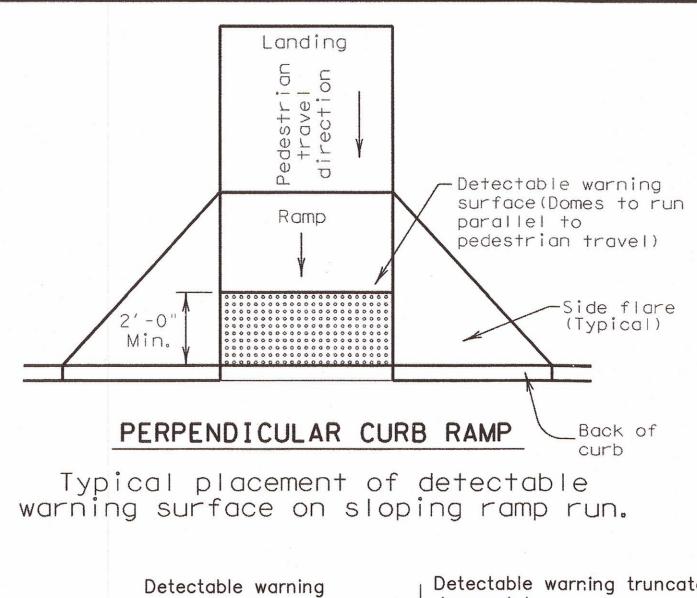
General Notes

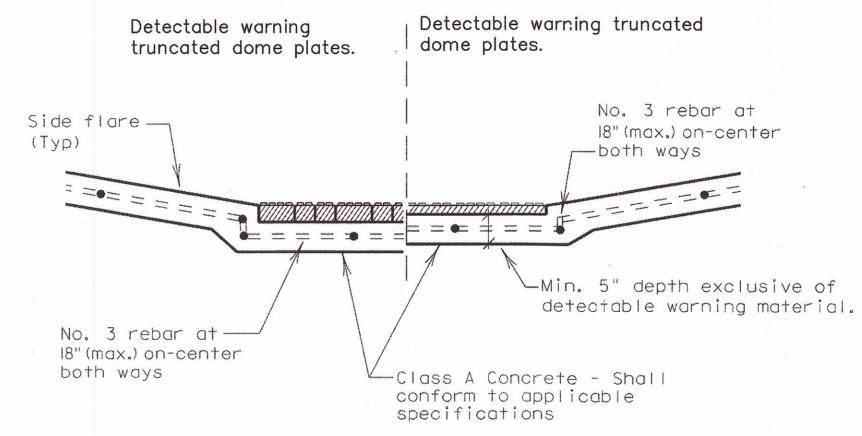
Curb Ramps

- 1. Install a curb ramp or blended transition at each pedestrian street crossing.
- 2. All slopes shown are maximum allowable. Lesser slopes that will still drain properly should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
- 3. The minimum sidewalk width is 5'. Where the sidewalk is adjacent to the back of curb, a 6' sidewalk width is desirable. Where a 5' sidewalk cannot be provided due to site constraints, sidewalk width may be reduced to 4' for short distances. 5'x 5' passing areas at intervals not to exceed 200' are required.
- 4. Landings shall be 5'x 5' minimum with a maximum 2% slope in any direction.
- 5. Maneuvering space at the bottom of curb ramps shall be a minimum of 4'x 4' wholly contained within the crosswalk and wholly outside the parallel vehicular travel path.
- 6. Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.
- 7. Provide flared sides where the pedestrian circulation path crosses the curb ramp. Flared sides shall be sloped at 10% maximum, measured parallel to the curb. Returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planted, substantially obstructed, or otherwise protected.
- 8. Additional information on curb ramp location, design, light reflective value and texture may be found in the current edition of the Texas Accessibility Standards (TAS) and 16 TAC 68.102.
- 9. To serve as a pedestrian refuge area, the median should be a minimum of 6' wide, measured from back of curbs. Medians should be designed to provide accessible passage over or through them.
- 10. Small channelization islands, which do not provide a minimum 5'x 5' landing at the top of curb ramps, shall be cut through level with the surface of the street.
- 11. Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required, curb ramps shall align with theoretical crosswalks unless otherwise directed.
- 12. Handrails are not required on curb ramps. Provide curb ramps wherever on accessible route crosses (penetrates) a curb.
- 13. Curb ramps and landings shall be constructed and paid for in accordance with Item 531 "Sidewalks".
- 14. Place concrete at a minimum depth of 5" for ramps, flares and landings, unless otherwise directed.
- 15. Provide a smooth transition where the curb ramps connect to the street.
- 16. Curbs shown on sheet 1 within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.
- 17. Existing features that comply with TAS may remain in place unless otherwise shown on the plans.

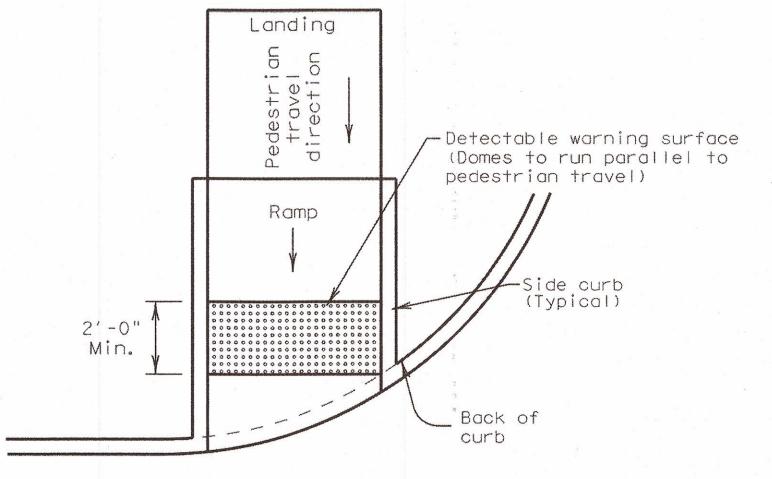
Detectable Warning Material

- 18. Curb ramps must contain a detectable warning surface that consists of raised truncated domes complying with Section 705 of the TAS. The surface must contrast visually with adjoining surfaces, including side flares. Furnish and install an approved colonial red truncated dome plates with detectable warning surface material adjacent to uncolored concrete, unless specified elsewhere in the plans.
- 19. Detectable Warning Materials must meet TxDOT Departmental Materials Specification DMS 4350 and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
- 20. Detectable warning surfaces must be slip resistant and not allow water to accumulate.
- 21. Detectable warning surfaces shall be a minimum of 24" in depth in the direction of pedestrian travel, and extend the full width of the curb ramp or landing where the pedestrian access route enters the street.
- 22. Detectable warning surfaces shall be located so that the edge nearest the curb line is at the back of curb. Align the rows of domes to be perpendicular to the grade break between the ramp run and the street. Detectable warning surfaces may be curved along the corner radius.
- 23. Shaded areas on Sheet 1 of 4 indicate the approximate location for the detectable warning surface for each curb ramp type.



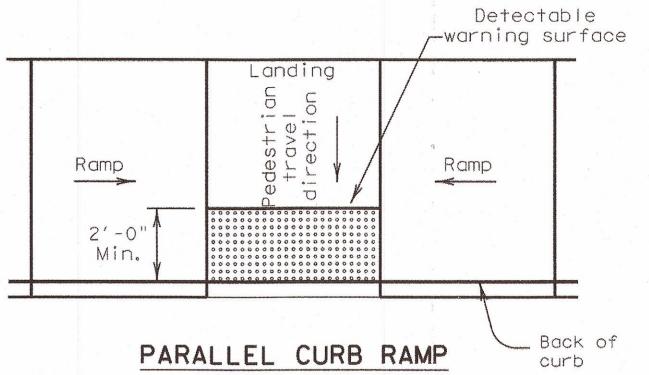


SECTION: CURB RAMP AT DETECTABLE WARNING



DIRECTIONAL CURB RAMP

Typical placement of detectable warning surface on sloping ramp run.



Typical placement of detectable warning surface on landing at street edge.

DETECTABLE WARNINGS

Sidewalks

- 26. Provide clear ground space at operable parts, including pedestrian push buttons.

 Operable parts shall be placed within one or more reach ranges specified in TAS 308.
- 27. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the pedestrian access route or clear ground space.
- 28. Street grades and cross slopes shall be as shown elsewhere in the plans.
- 29. Changes in level greater than 1/4 inch are not permitted.
- 30. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than 5% must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails shall comply with TAS 505.
- 31. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.
- 32. Driveways and turnouts shall be constructed and paid for in accordance with Item "Intersections, Driveways and Turnouts". Sidewalks shall be constructed and paid for in accordance with Item, "Sidewalks".
- 33. Sidewalk details are shown elsewhere in the plans.

RELEASED FOR CONSTRUCTION
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN
REMAINS WITH THE DESIGN ENGINEER. THE CITY
OF ROCKWALL, IN REVIEWING AND RELEASING
RESPONSIBILITY FOR ADEQUACY OR ACCURACY

CITY

SHEET 2 OF 4



Design Division Standard

PEDESTRIAN FACILITIES

CURB RAMPS

PED-12A

TILE: ped12a.dgn

DN: TxDOT CK: RM

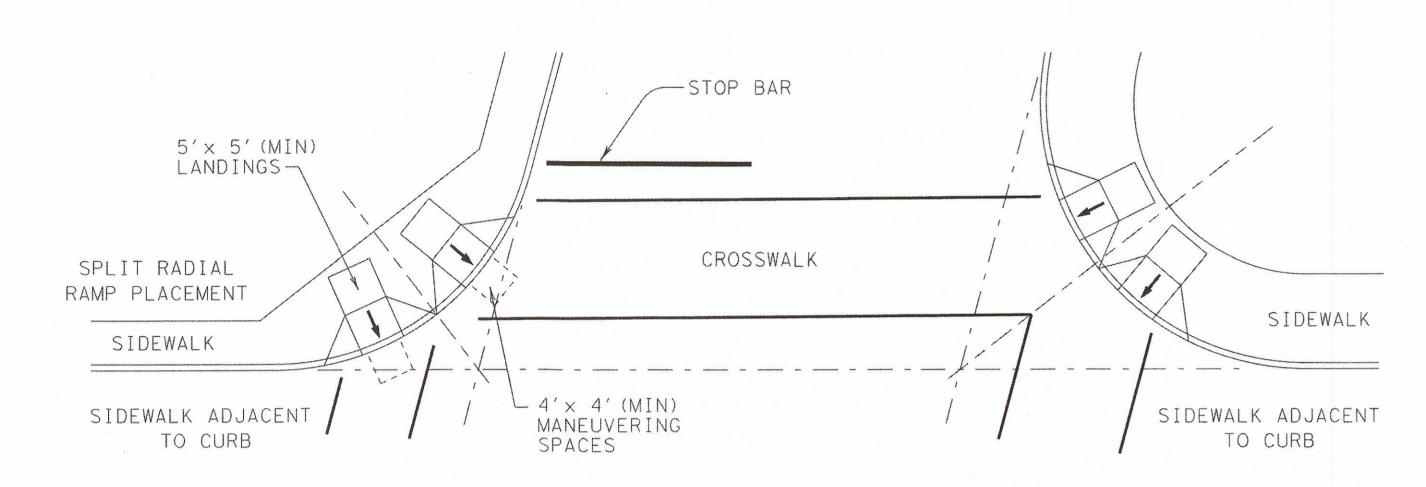
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CONT SECT JOB HIGHWAY

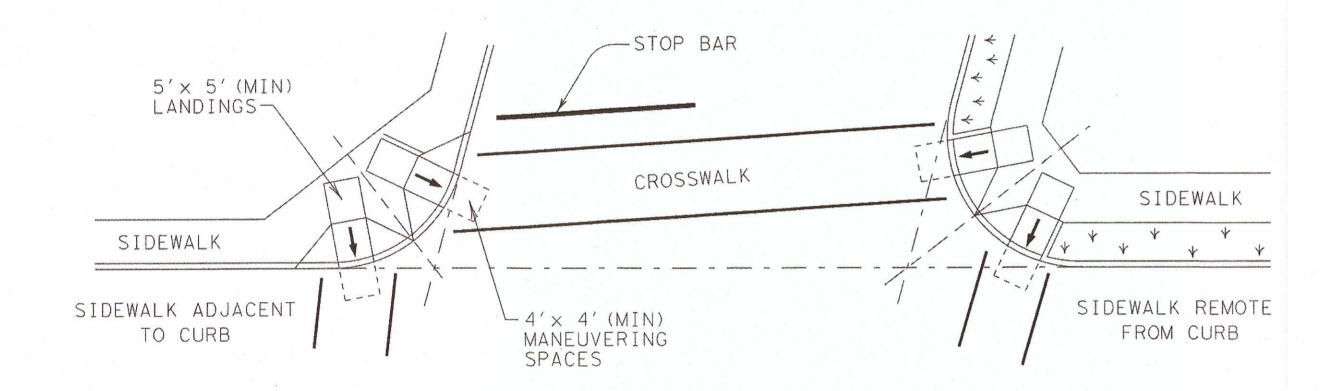
REVISIONS

VP June 13, 2012

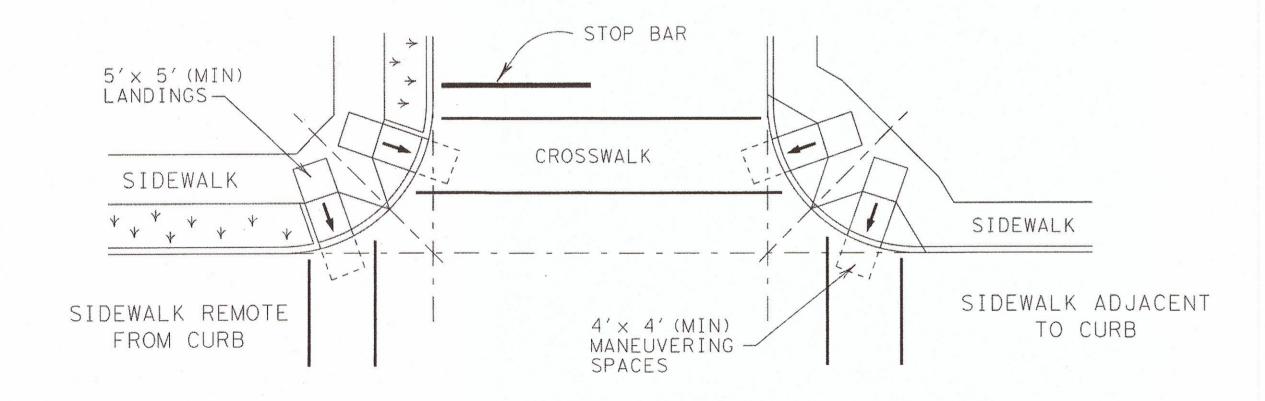
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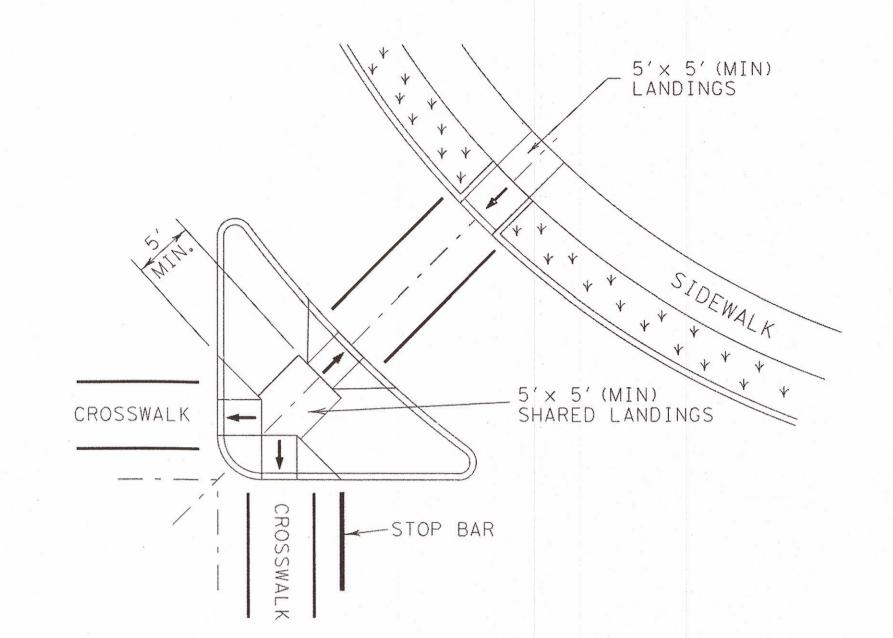
SKEWED INTERSECTION WITH "LARGE" RADIUS



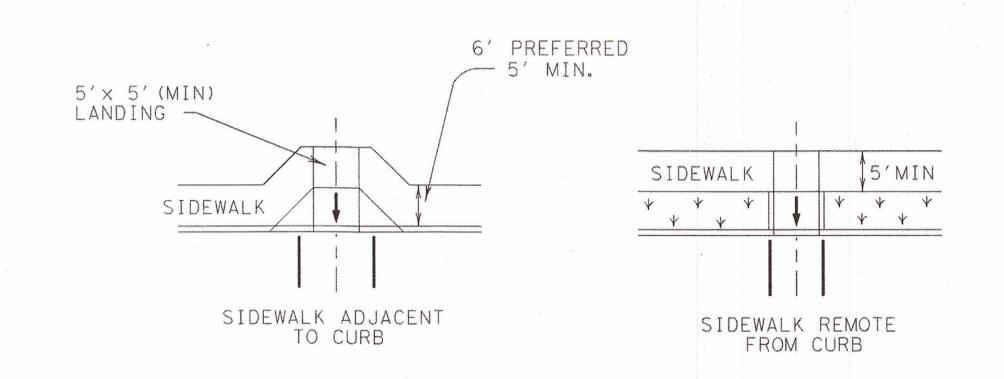
SKEWED INTERSECTION WITH "SMALL" RADIUS



NORMAL INTERSECTION WITH "SMALL" RADIUS



AT INTERSECTION W/FREE RIGHT TURN & ISLAND



MID-BLOCK PLACEMENT PERPENDICULAR RAMPS

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

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SHEET 4 OF 4

Texas Department of Transportation

Design Division Standard

PEDESTRIAN FACILITIES CURB RAMPS

PED-12A

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© TxDOT March 2002	CONT	SECT	JOB	ŀ	HIGHWAY			
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VP June 13, 2012	DIST		COUNT	Υ	SHEET NO			

TYPICAL CROSSING LAYOUTS