

PAVING, GRADING, DRAINAGE & UTILITIES

FOR

PROPOSED GOLIAD RETAIL

LOT 3, BLOCK A

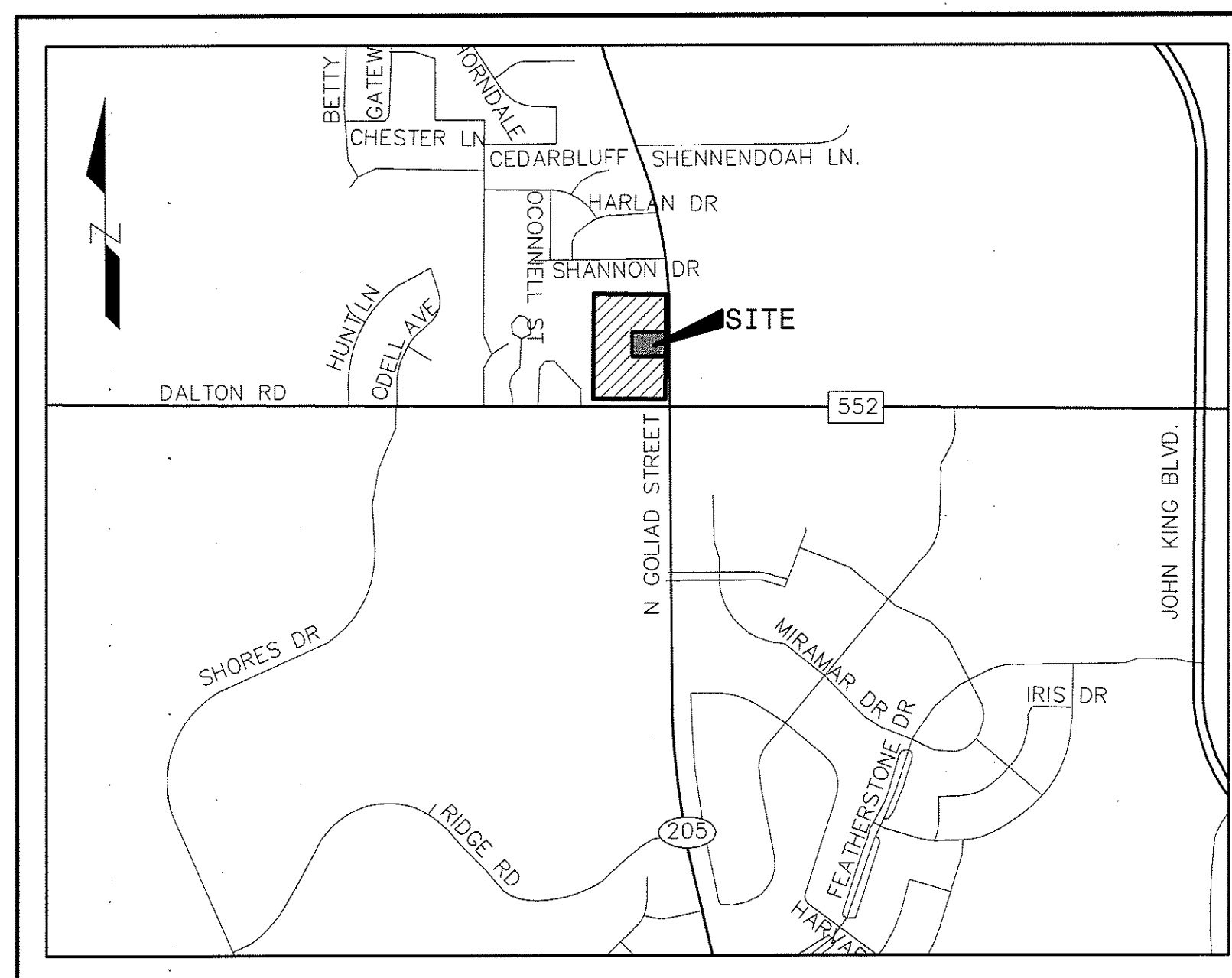
DALTON GOLIAD ADDITION

CITY OF ROCKWALL, TEXAS

613-01 DALTON GOLIAD ADDITION, ROCKWALL, TEXAS

DEVELOPER:

ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
DALLAS, TX 75254



LOCATION MAP
N.T.S.

SHEET INDEX

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HARLAN PARK PHASE TWO, "STORM SEWER PLAN" SHT 8/9
NEBBIE WILLIAMS ELEM. SCHOOL, "DRAINAGE AREA MAP" SHT C2.5

SUBMITTALS

NO	DATE	COMMENTS
1	02/26/2016	FOR COORDINATION
2	04/28/2016	FIRST ENGINEERING SUBMITTAL
3	05/27/2016	CITY COMMENT SUBMITTAL
4	06/21/2016	CITY COMMENT SUBMITTAL
5	11/06/2017	RECORD DRAWINGS

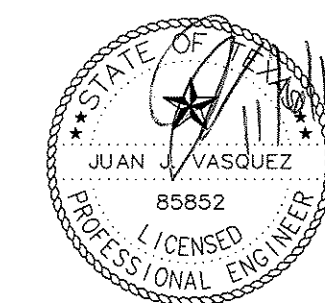
RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

SIGNED: JJ DATE: 11/6/17

VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JUAN J. VASQUEZ, P.E. 85852, ON 04/28/2016



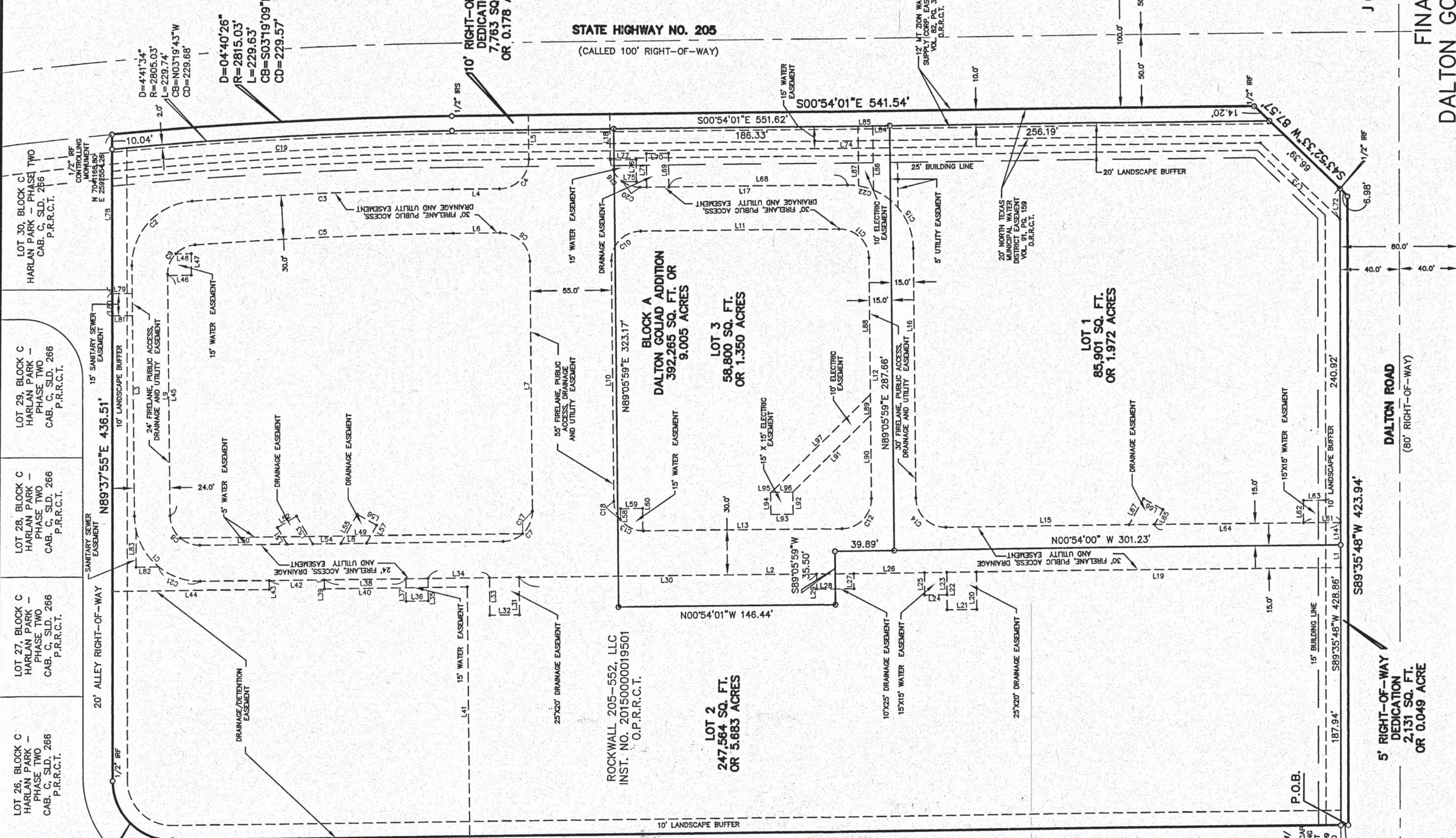
VE VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-278-2948
TX Registration #F-12266

LINETYPE TABLE

---	BOUNDARY LINE
---	ADJOINER LINE
---	EASEMENT LINE
---	BUILDING LINE
---	STREET CENTERLINE

LINE TABLE

LINE	LENGTH	BEARING
L1	15.00	S89°35'48"W
L2	769.50	N00°54'01"W
L3	168.91	S89°05'59"W
L4	31.53	S00°54'01"E
L5	30.01	S89°07'40"W
L6	30.01	S00°54'01"E
L7	168.92	S89°05'59"W
L8	204.57	N00°54'01"W
L9	162.89	N89°05'59"E
L10	162.67	S00°53'59"E
L11	133.83	S89°05'59"W
L12	162.67	N00°54'01"W
L13	133.83	N89°05'59"E
L14	14.98	N89°35'48"E
L15	268.35	N00°53'45"W
L16	139.33	N89°05'59"E
L17	139.33	S00°54'01"E
L18	30.00	S89°05'59"W
L19	245.76	N00°54'01"W
L20	25.00	N89°05'59"E
L21	20.00	N00°54'01"W
L22	25.00	S89°05'59"E
L23	15.00	N89°05'59"E
L24	15.00	S89°05'59"W
L25	47.73	N89°05'59"E
L26	10.00	S89°05'59"W
L27	10.00	N00°54'01"W
L28	25.00	N00°54'01"W
L29	10.00	S89°05'59"W
L30	200.88	N00°54'01"W
L31	25.00	N89°05'59"E
L32	20.00	N00°54'01"W
L33	25.00	N89°05'59"E
L34	41.43	N00°54'01"W
L35	15.00	N89°05'59"E
L36	15.00	S00°54'01"E
L37	15.00	N89°05'59"E
L38	55.02	N00°54'01"W
L39	6.00	N89°05'59"E
L40	98.46	N00°54'01"E
L41	167.57	N89°05'59"E
L42	37.24	N00°54'01"E
L43	6.00	N89°05'59"E
L44	161.71	S00°54'01"E
L45	161.71	N00°54'01"E
L46	16.02	N00°54'01"E
L47	15.00	N89°37'55"E
L48	10.47	N00°22'05"W
L49	231.02	N00°54'01"E
L50	58.83	S00°54'01"E
L51	12.92	S89°05'59"W
L52	15.00	N00°54'01"E
L53	21.58	S89°05'59"W
L54	128.96	N00°54'01"E
L55	22.45	N89°05'59"W
L56	15.00	N00°54'01"E
L57	13.79	N62°05'52"E
L58	7.52	S89°35'48"W
L59	14.96	N00°53'45"W
L60	15.00	S89°25'45"W
L61	25.00	N00°47'50"W
L62	14.96	S89°35'48"W
L63	128.96	N00°54'01"E
L64	11.43	N00°54'01"E
L65	15.00	N89°05'59"E
L66	15.00	N00°54'01"E
L67	20.09	N00°54'01"W
L68	120.42	N00°54'01"W
L69	23.00	N89°05'59"E
L70	15.00	N00°54'00"W
L71	23.00	S89°05'59"W
L72	20.95	S89°35'48"W
L73	545.44	S43°52'33"W
L74	9.37	N00°54'01"W
L75	15.00	N89°05'59"E
L76	15.00	N00°54'01"E
L77	17.47	N00°54'01"E
L78	108.95	S89°37'55"W
L79	13.41	S00°22'05"E
L80	15.00	S89°37'55"W
L81	13.55	S00°22'05"E
L82	23.30	S00°22'05"E
L83	23.30	S89°37'40"E
L84	11.42	N00°54'01"E
L85	10.00	N00°54'01"W
L86	43.67	S 89°35'48"W
L87	40.66	N89°05'59"E
L88	92.93	S89°05'59"W
L89	13.87	S89°05'59"W
L90	55.85	S89°05'59"W
L91	73.40	N44°46'03"W
L92	15.00	S89°05'59"W
L93	15.00	N00°54'01"W
L94	15.00	N89°05'59"E
L95	14.43	S00°54'01"E
L96	14.43	S00°54'01"E
L97	93.41	S44°46'03"E



NOTE:
 Lot 2 will require screening/buffering from the adjacent residential properties in accordance with the residential screening requirements of the Unified Development Code.

LOT 1, BLOCK A
 ROCKWALL SCHOOL NORTH ADDITION
 CAB. C. SLD. 270
 P.R.R.C.T.

LOT 2
 247,564 SQ. FT.
 OR 5.683 ACRES

LOT 3
 58,800 SQ. FT.
 OR 1.350 ACRES

LOT 1
 85,901 SQ. FT.
 OR 1.972 ACRES

LOT 26, BLOCK C
 HARLAN PARK - PHASE TWO
 CAB. C. SLD. 266
 P.R.R.C.T.

LOT 27, BLOCK C
 HARLAN PARK - PHASE TWO
 CAB. C. SLD. 266
 P.R.R.C.T.

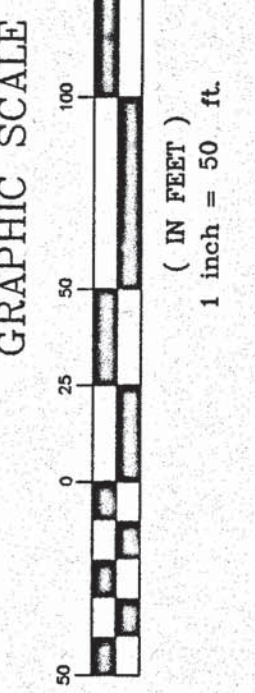
LOT 28, BLOCK C
 HARLAN PARK - PHASE TWO
 CAB. C. SLD. 266
 P.R.R.C.T.

LOT 29, BLOCK C
 HARLAN PARK - PHASE TWO
 CAB. C. SLD. 266
 P.R.R.C.T.

LOT 30, BLOCK C
 HARLAN PARK - PHASE TWO
 CAB. C. SLD. 266
 P.R.R.C.T.

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CD
C1	69.12	44.00	90°00'00"	62.23'
C2	66.25	44.00	86°16'14"	60.17'
C3	178.01	27.00	03°38'52"	176.00'
C4	174.52	27.00	03°38'52"	172.88'
C5	174.52	27.00	03°38'52"	172.88'
C6	31.42	20.00	90°00'01"	28.28'
C7	31.42	20.00	90°00'01"	28.28'
C8	31.42	20.00	90°00'01"	28.28'
C9	30.11	20.00	85°15'44"	27.35'
C10	31.42	20.00	90°00'01"	28.28'
C11	31.42	20.00	90°00'01"	28.28'
C12	31.42	20.00	90°00'01"	28.28'
C13	31.42	20.00	90°00'01"	28.28'
C14	31.42	20.00	90°00'01"	28.28'
C15	69.12	44.00	90°00'01"	66.93'
C16	31.42	20.00	90°00'01"	28.28'
C17	16.96	20.00	48°35'25"	16.46'
C18	13.55	20.00	38°48'39"	13.29'
C19	229.91	2790.03	04°43'17"	229.84'
C20	12.71	20.00	04°43'17"	12.50'
C21	50.28	44.00	39°24'02"	29.66'
C22	10.47	44.00	133°7'48"	10.44'



FINAL PLAT
DALTON GOLIAD ADDITION
LOTS 1-3, BLOCK A
 BEING 9.232 ACRES OUT OF THE
 T. R. BAILEY SURVEY, ABSTRACT NO. 30
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
 JANUARY 2016

CASE NO. P2016-034

JOB NO.: 15-1216
 DATE: 1/14/2016
 SCALE: 1" = 50'
 DRAWN: J.B.W.

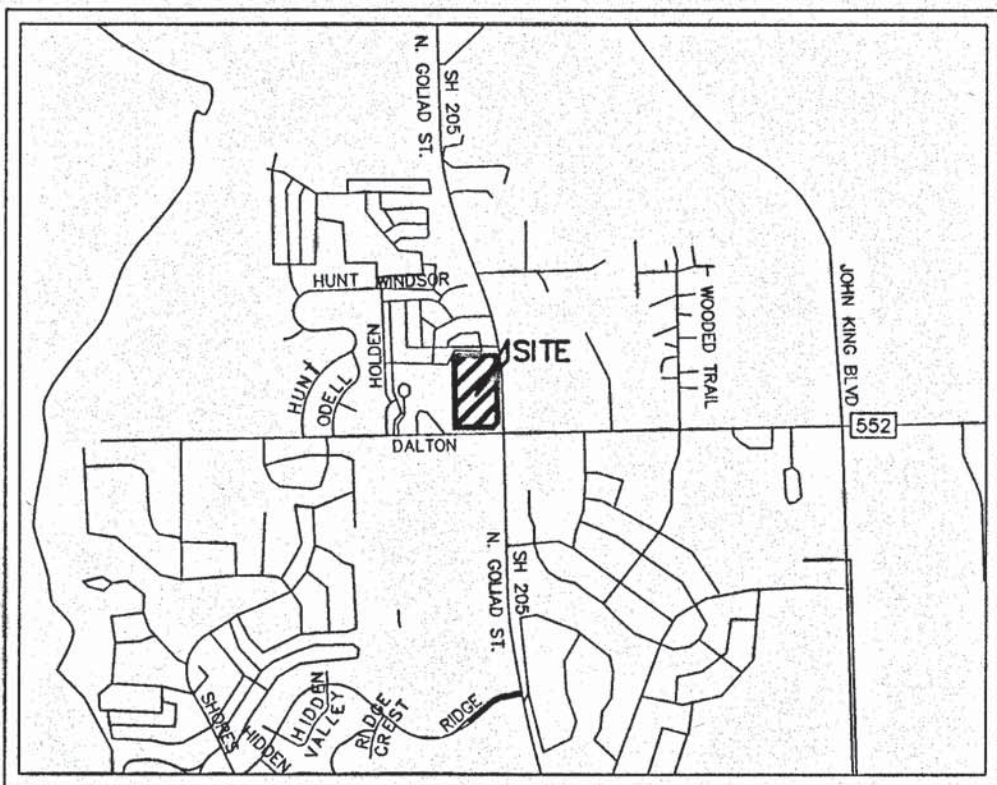
REV: 05/07/2016
 06/21/2016
 06/27/2016
 08/09/2016

PEISER & MANKIN SURVEYING, LLC
 www.peisersurveying.com

623 E. DALLAS ROAD
 GRAPEVINE, TEXAS 76051
 817-481-1806 (O)
 817-481-1809 (F)

COMMERCIAL BOUNDARIES TOPOGRAPHY MORTGAGE
 Texas Society of Professional Surveyors
 FIRM No. 100999-00 Member Since 1977

VICINITY MAP
N.T.S.



NOTES:

1. IRF - Iron Rod Found
2. IRS - Iron Rod Set w/ "PEISER & MANKIN SURV" red plastic cap
3. Notice: Selling a portion of this addition by metes and bounds is a violation of city subdivisions ordinance and state platting statutes and is subject to fines and withholding of utilities and building certificates.
4. P.O.B. - Point of Beginning.
5. O.P.R.D.C.T. - Official Public Records, Collin County, Texas.
6. D.R.C.C.T. - Deed Records, Collin County, Texas.
7. Bearings based on the Texas State Plano Coordinate System, North Central Zone 4202, NAD83, as derived by field observations utilizing the RTK Network Administrated by Western Data Systems.
8. Lots 3 and 4 will require screening/buffering from the adjacent residential properties in accordance with the residential screening requirements of the Unified Development Code.
9. SLD. - SLIDE
10. CAB. - CABINET

RECOMMENDED FOR FINAL APPROVAL

Planning & Zoning Commission, Chairman

Date 7/28/16

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 1 day of August, 2016.

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

WITNESS OUR HANDS, this 28 day of Sept, 2016.

Mayor, City of Rockwall

City Secretary

City Engineer

SURVEYOR'S CERTIFICATE

I, Timothy R. Mankin, a Registered Professional Land Surveyor in the State of Texas, do hereby certify that I prepared this plat from an actual on the ground survey of the land and that the monuments shown thereon were properly placed under my personal supervision in accordance with the subdivision regulations of the City of Rockwall, Texas.

Timothy R. Mankin
Registered Professional Land Surveyor, No. 6122

Date 08/18/2016

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

STATE OF TEXAS
COUNTY OF ROCKWALL

I the undersigned owner of the land shown on this plat, and designated herein as the **DALTON GOLIAD ADDITION** 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. I further certify that all other parties who have a mortgage or lien interest in the **DALTON GOLIAD ADDITION** subdivision have been notified and signed this plat. I understand and do hereby reserve the easement strips shown on this plat for the purposes stated and for the mutual use and accommodation of all utilities desiring to use or using same. I 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. All detention/drainage systems to be maintained, repaired, and replaced by property owner.
7. No house dwelling unit, or other structure shall be constructed on any lot in this addition by the owner or any other person until the developer and/or owner has complied with all requirements of the Subdivision Regulations of the City of Rockwall regarding improvements with respect to the entire block on the street or streets on which property abuts, including the actual installation of streets with the required base and paving, curb and gutter, water and sewer, drainage structures, storm structures, storm sewers, and alleys, all according to the specifications of the City of Rockwall; or Until an escrow deposit, sufficient to pay for the cost of such improvements, as determined by the city's engineer and/or city administrator, computed on a private commercial rate basis, has been made with the city secretary, accompanied by an agreement signed by the developer and/or owner, authorizing the city to make such improvements at prevailing private-commercial rates, or have the same made by a contractor and pay for the same out of the escrow deposit, should the developer and/or owner fail or refuse to install the required improvements within the time stated in such written agreement, but in no case shall the City be obligated to make such improvements itself. Such deposit may be used by the owner and/or developer as progress payments as the work progresses in making such improvements by making certified requisitions to the city secretary, supported by evidence of work done; or Until the developer and/or owner files a corporate surety bond with the city secretary in a sum equal to the cost of such improvements for the designated area, guaranteeing the installation thereof within the time stated in the bond, which time shall be fixed by the city council of the City of Rockwall. I further acknowledge that the dedications and/or exaction's made herein are proportional to the impact of the Subdivision upon the public services required in order that the development will comport with the present and future growth needs of the City; I, my successors and assigns hereby waive any claim, damage, or cause of action that I may have as a result of the dedication of exactions made herein.

WITNESS MY HAND, this 25th day of August, 2016

ROCKWALL 205-552, LLC

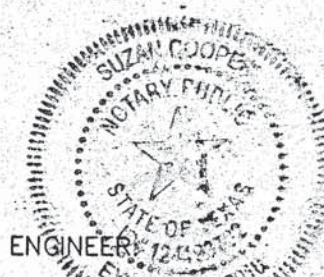
By: OWNER DANIEL L. SILVERMAN, MANAGER

STATE OF TEXAS:
COUNTY OF Dallas:

BEFORE ME, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally appeared DANIEL SILVERMAN, 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 thereof expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS 25TH DAY OF August, 2016.

NOTARY PUBLIC in and for the STATE OF TEXAS



ENGINEER
VASQUEZ ENGINEERING, L.L.C.
1919 S. SHILOH ROAD
SUITE 440, LB 44
GARLAND, TEXAS 75042
972-278-2948
CONTACT: JUAN VASQUEZ, P.E.

OWNER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
DALLAS, TX 75254

REV: 05/27/2016
06/01/2016
06/21/2016
06/27/2016
08/09/2016

OWNER'S CERTIFICATION

WHEREAS ROCKWALL 205-552, LLC, BEING THE OWNER OF A TRACT OF land in the County of Rockwall, State of Texas, said tract being described as follows:

BEING that certain tract of land situated in the T. R. BAILEY SURVEY, ABSTRACT NO. 30, in the City of Rockwall, Rockwall County, Texas, and being all of that certain tract of land conveyed to ROCKWALL 205-552, LLC in Warranty Deed recorded under Instrument Number 2015000019501, Deed Records, Rockwall County, Texas, and being more particularly described as follows;

BEGINNING at a point for the Southwest corner of said Rockwall 205 tract, same being in the North right-of-way line of Dalton Road (80 foot right-of-way);

THENCE North 00 deg. 57 min. 42 sec. West, along the west line of said Rockwall 205 tract, passing at a distance of 5.00 feet, a 1/2 inch iron rod with yellow "Brittain" cap found, same being the Southeast corner of Lot 1, Block A, Rockwall School North Addition, an addition to the City of Rockwall, Rockwall County, Texas, according to the plat thereof recorded in Cabinet C, Page 270, Plat Records, Rockwall County, Texas, and continuing along the common line of said Rockwall 205 tract and said Rockwall School North Addition, a total distance of 793.33 feet to a 1/2 inch iron rod found for the most westerly Northwest corner of said Rockwall 205 tract, same being the Northeast corner of said Rockwall School North Addition, same being in the South line of a 20 foot alley in Block C, Harlan Park - Phase Two, an addition to the City of Rockwall, Rockwall County, Texas, according to the plat thereof recorded in Cabinet C, Page 266, said Plat Records, same being the beginning of a curve to the right, having a radius of 40.00 feet, a central angle of 90 deg. 32 min. 33 sec., and a chord bearing and distance of North 44 deg. 12 min. 06 sec. East, 56.84 feet;

THENCE along the common line of said Rockwall 205 tract and said Block C as follows:

Along said curve to the right, an arc distance of 63.21 feet to a 1/2 inch iron rod found for angle point;

North 89 deg. 37 min. 55 sec. East, a distance of 436.51 feet to a 1/2 inch iron rod found for the Northeast corner of said Rockwall 205 tract, same being the Southeast corner of said Block C, same being in the westerly right-of-way line of State Highway No. 205 (called 100' right-of-way), same being the beginning of a non-tangent curve to the right, having a radius of 2815.03 feet, a central angle of 04 deg. 40 min. 26 sec., and a chord bearing and distance of South 03 deg. 19 min. 09 sec. East, 229.57 feet;

THENCE along the common line of said Rockwall 205 tract and said State Highway No. 205 as follows:

Along said non-tangent curve to the right, an arc distance of 229.63 feet to a 1/2 inch iron rod set with "Peiser & Mankin SURV" red plastic cap for angle point;

South 00 deg. 54 min. 01 sec. East, a distance of 541.54 feet to a 1/2 inch iron rod found for the most easterly Southeast corner of said Rockwall 205 tract, same being the North end of a corner clip in the intersection of said State Highway No. 205 and aforesaid Dalton Road;

THENCE South 43 deg. 52 min. 33 sec. West, along the common line of said Rockwall 205 tract and said corner clip, passing at a distance of 80.59 feet, a 1/2 inch iron rod found, and continuing a total distance of 87.57 feet to a point for the most southerly Southeast corner of said Rockwall 205 tract, same being the South end of said corner clip;

THENCE South 89 deg. 35 min. 48 sec. West, along the common line of said Rockwall 205 tract and said Dalton Road, a distance of 423.94 feet to the POINT OF BEGINNING and containing 402,160 square feet or 9.232 acre of computed land, more or less.

J018

FINAL PLAT
DALTON GOLIAD ADDITION
LOTS 1-3, BLOCK A

BEING 9.232 ACRES OUT OF THE
T. R. BAILEY SURVEY, ABSTRACT NO. 30
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
JANUARY 2016

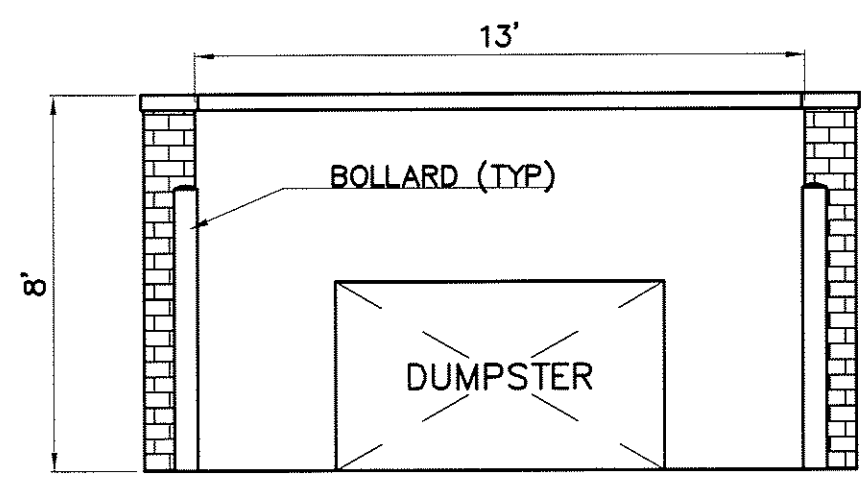
CASE NO. P2016-034

JOB NO.: 15-1216	PEISER & MANKIN SURVEYING, LLC		SHEET
DATE: 1/14/2016	www.peisersurveying.com		2
SCALE: 1" = 50'	623 E. DALLAS ROAD GRAPEVINE, TEXAS 76051 817-481-1806 (O) 817-481-1809 (F)	COMMERCIAL RESIDENTIAL BOUNDARIES TOPOGRAPHY MORTGAGE	OF
DRAWN: J.B.W.	tmankin@peisersurveying.com	FIRM No. 100999-00	2

Filed and Recorded
Official Public Records
Shelli Miller, County Clerk
Rockwall County, Texas
09/28/2016 10:58:40 AM
\$100.00
2016000017019

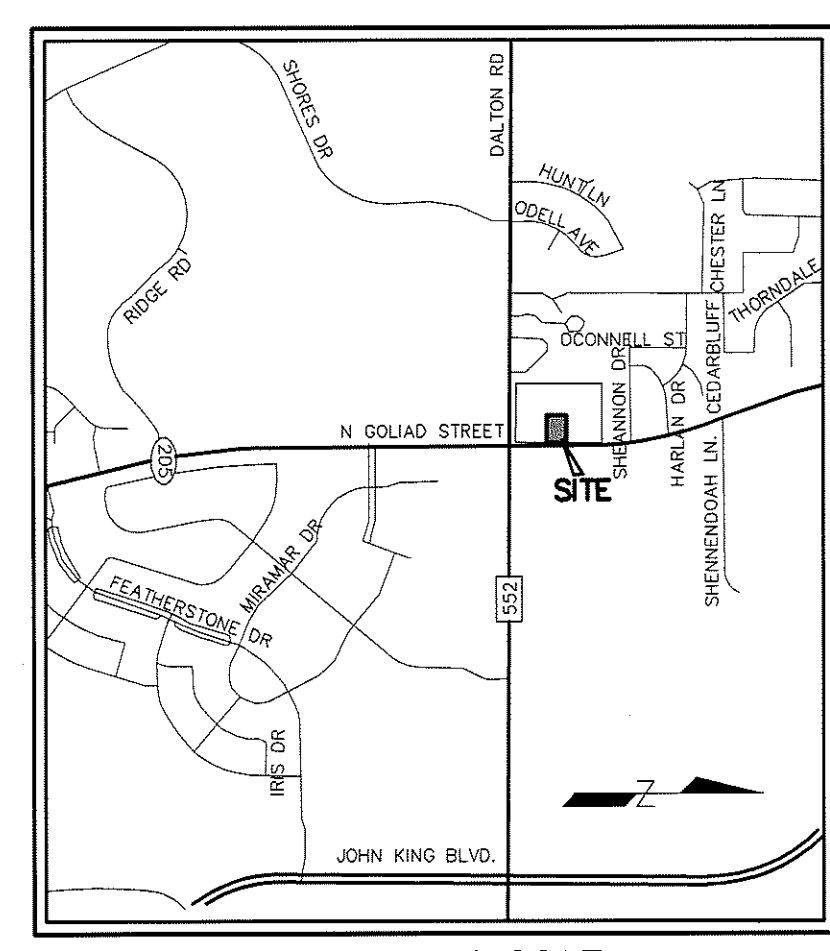


Shelli Miller



NOTE: SEE ARCH PLANS FOR DETAILS AND MATERIALS

DUMPSTER ELEVATION
SCALE: 1/4"=1'



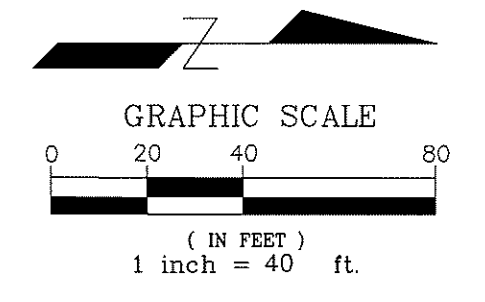
LOCATION MAP
N.T.S.

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

SIGNED: *JJV* DATE: 11/6/17

VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266



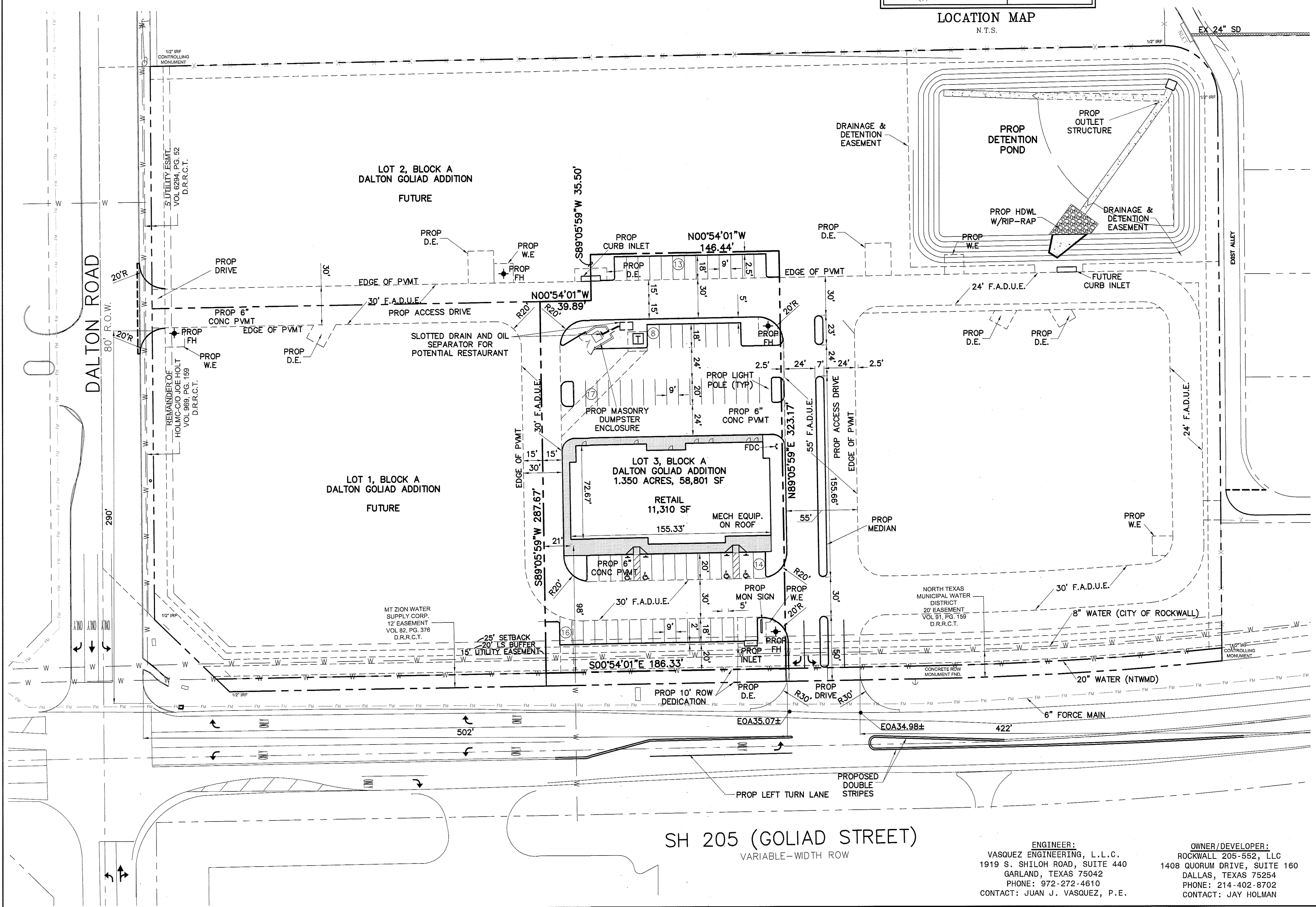
EXISTING	LEGEND	PROPOSED
---	PROPERTY LINE	---
---	PAVEMENT	---
---	SIDEWALK	---
---	LIGHT POLE	---
---	FIRE LANE, PUBLIC ACCESS, DRAINAGE & UTILITY EASEMENT	F.A.D.U.E.

BENCHMARK:
MONUMENT 179.7' WEST OF WEST EDGE OF SH 205 PAVEMENT AND 6.8' NORTH OF BACK OF CURB DALTON ROAD. ELEVATION = 541.57'

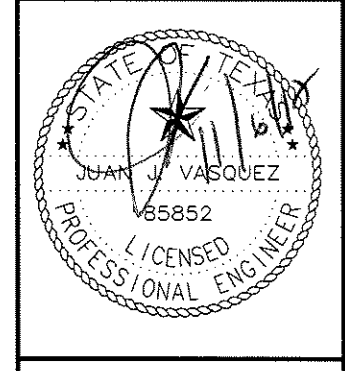
- NOTES:
- EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC DATED 1/14/2016.
 - SEE LANDSCAPE PLAN FOR SITE LANDSCAPING.

SITE SUMMARY TABLE	
County	ROCKWALL
Project Name	GOLIAD RETAIL
Zoning District	GR N. SH 205 OVERLAY DISTRICT
Proposed use	RETAIL STORE
Site Area:	1.350 Acres 58,801 S.F.
Building Area	11,310 S.F. (TOTAL)
Building Height:	28'2" - 1 STORY
Lot Coverage:	11,310/58,726 = 19.9%
Floor Area Ratio:	11,310/56,726 = 1:19.9
Parking Required:	2,822 SF (REST)/100 SF/SPC = 29 SPACES
	2,600 SF (DENTAL)/200SF/SPC = 13 SPACES
	5,888 SF (RTL)/250 SF/SPC = 24 SPACES
	Total = 66 SPACES
Parking Provided:	Regular = 64 SPACES
	Handicap = 4 SPACES
	Total = 68 SPACES
Impervious Area:	49,980 / 58,801 SF = 85%
Pervious Area:	8,913 / 58,801 SF = 15%

SITE PLAN
GOLIAD RETAIL
LOT 3, BLOCK A
DALTON GOLIAD ADDITION
1.350 ACRES
ROCKWALL, ROCKWALL COUNTY, TEXAS
MARCH 28, 2016
CASE #SP2016-005



NO.	DATE	RECORD DRAWINGS	APP.
1	11/06/17		



DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
DALLAS, TX 75254

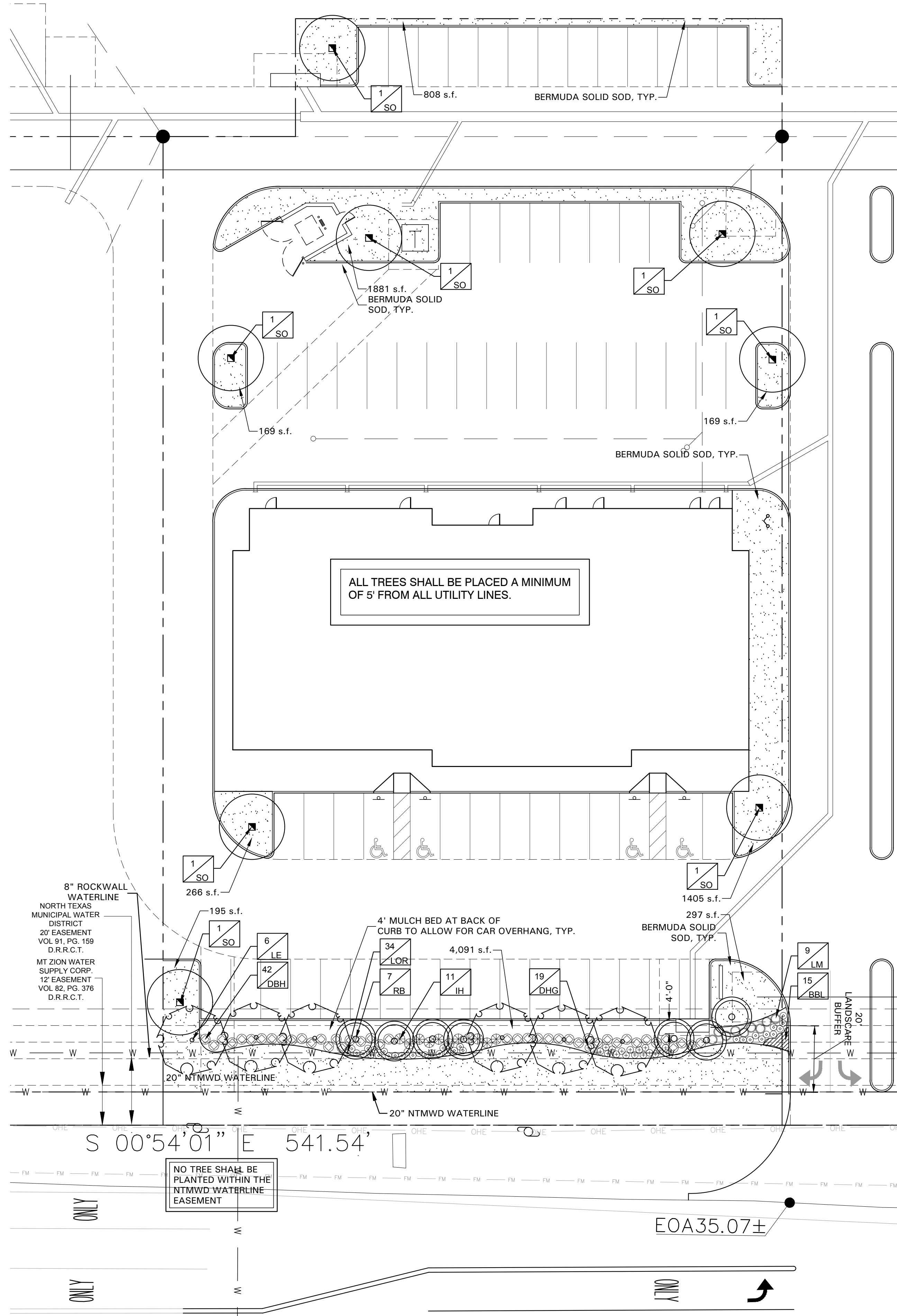
SITE PLAN
LOT 3, BLOCK A
DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

Scale:	1" = 40'
Designed by:	JJV
Drawn by:	JJV
Checked by:	JJV
Date:	06/21/2016

SHEET
SP1

ENGINEER:
VASQUEZ ENGINEERING, L.L.C.
1919 S. SHILOH ROAD, SUITE 440
GARLAND, TEXAS 75042
PHONE: 972-272-4610
CONTACT: JUAN J. VASQUEZ, P.E.

OWNER/DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE, SUITE 160
DALLAS, TEXAS 75254
PHONE: 214-402-8702
CONTACT: JAY HOLMAN



SITE SUMMARY TABLE	
County	ROCKWALL
Project Name	GOLIAD RETAIL
Zoning District	GR N. SH 205 OVERLAY DISTRICT
Proposed use	RETAIL STORE
Site Area:	1.350 Acres 58,801 S.F.
Building Area	11,310 S.F. (TOTAL)
Building Height:	26'2" - 1 STORY
Lot Coverage:	11,310/56,726 = 19.9%
Floor Area Ratio:	11,310/56,726 = 1:19.9
Parking Required:	2,822 SF (REST) / 100 SF/SPC = 29 SPACES
	2,600 SF (DENTAL) / 200SF/SPC = 13 SPACES
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Impervious Area:	49,980 / 58,801 SF = 85%
Pervious Area:	8,913 / 58,801 SF = 15%

LANDSCAPE TABULATIONS
ROCKWALL, TEXAS - SH205 Overlay
GENERAL

- Minimum of 15% of the lot area shall be landscaped (per GR zoning)
- No less than 50% of the required landscape shall be located in the front or side yard.

REQUIRED	PROVIDED
8,820 s.f. (15%)	9,281 s.f. (15.7%)
4,410 s.f. (50%)	6,192 s.f.

BUFFER STRIPS / STREET

- Buffer strips shall be a minimum of 20' wide and include a berm or shrubbery or a combination of both along the entire length of the property's frontage along the SH-205 r.o.w. The minimum required height is 30" and shall not exceed a maximum height of 48".
- Three canopy trees along with four accent trees are required per 100 feet of the SH-205 r.o.w.

Goliad Road (SH205) = 186 I.F.

REQUIRED	PROVIDED
20' wide buffer	20' wide buffer
berm and/or shrubs	shrubs 36" ht.
6 canopy trees, 4" cal.	6 canopy trees, 4" cal.
7 accent trees, 4' ht.	7 accent trees, 4' ht.

PARKING LOT LANDSCAPE

- Surface parking shall be screened from all adjacent public streets and neighboring sites. The screen must extend along all edges and be a min. 3' in height, 80% opaque.
- There shall be a landscape island every 10 parking spaces. One shade tree shall be provided for every 10 cars. (68 parking spaces)
- A minimum of 5% of the parking area shall be landscaped.

REQUIRED	PROVIDED
36" screen	36" screen
7 canopy trees, 4" cal.	7 canopy trees, 4" cal.
1,671 s.f. (5%)	3,801 s.f. (11.3%)

GENERAL LAWN NOTES

EROSION CONTROL AND SOIL PREPARATION: THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TOP SOIL AT THE CORRECT GRADES. CONTRACTOR TO FINE GRADE AREAS TO REACH FINAL CONTOURS AS SPECIFIED PER CIVIL PLANS. ALL CONTOURS SHOULD ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES. WATER SHOULD NOT BE ABLE TO POOL IN ANY AREAS UNLESS SPECIFIED OTHERWISE. EROSION FABRIC SUCH AS JUTE MATTING OR OPEN WEAVE TO BE USED WHERE NECESSARY TO PREVENT SOIL EROSION.

ANY LOSS OF TOPSOIL OR GRASS DUE TO EROSION IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL IT IS 100% ESTABLISHED.

CONTRACTOR TO REMOVE ANY ROCKS 3/4" AND LARGER, STICKS AND DEBRIS PRIOR TO INSTALLATION OF TOPSOIL AND SOD.

FOUR (4) OF TOPSOIL SHALL BE APPLIED TO AREAS DISTURBED BY CONSTRUCTION RECEIVING SOD. IF TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL AS APPROVED BY THE OWNER OR OWNERS REPRESENTATIVE.

TOPSOIL SHALL BE FRABLE, NATURAL LOAM, FREE OF ROCKS, WEEDS, BRUSH, CLAY LUMPS, ROOTS, TWIGS, LITTER AND ENVIRONMENTAL CONTAMINANTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SOD UNTIL ACCEPTANCE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: MOVING, WATERING, WEEDING, CULTIVATING, CLEANING AND REPLACING DEAD OR BARE AREAS TO KEEP PLANTS IN A VIGOROUS, HEALTHY CONDITION. SOD SHALL BE REPLACED IF NECESSARY.

SOLID SOD: SOLID SOD SHALL BE PLACED ALONG ALL IMPERVIOUS EDGES, AT A MINIMUM THIS SHALL INCLUDE CURBS, WALKS, INLETS, MANHOLES AND PLANTING BED AREAS. SOD SHALL COVER OTHER AREAS COMPLETELY AS INDICATED BY PLAN.

SOD SHALL BE STRONGLY ROOTED DROUGHT RESISTANT SOD, NOT LESS THAN 2 YEARS OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASS AND MACHINE CUT TO PAD THICKNESS OF 3/4" (+/- 1/4"), EXCLUDING TOP GROWTH AND THATCH. PROVIDE ONLY SOD CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED.

DO NOT INSTALL SOD IF IT IS DORMANT OR GROUND IS FROZEN. LAY SOD WITH TIGHTLY FITTING JOINTS, NO OVERLAPS WITH STAGGERED STRIPS TO OFFSET JOINTS.

SOD SHALL BE ROLLED TO CREATE A SMOOTH EVEN SURFACE. SOD SHOULD BE WATERED THOROUGHLY DURING INSTALLATION PROCESS.

SHOULD INSTALLATION OCCUR BETWEEN OCTOBER 1ST AND MARCH 1ST, SOD SHALL INCLUDE AN OVER-SEED OF ANNUAL RYE OR WINTER RYEGRASS AT A RATE OF FOUR POUNDS PER ONE THOUSAND SQUARE FEET FOR 4 TO GROWN IN APPEARANCE. CONTRACTOR SHALL ENSURE CONFORMANCE TO §15.0 D OF TITLE 7, PART XXIX, HORTICULTURE COMMISSION CHAPTER 1.

HYDROMULCH:

SCARIFY SURFACE TO A MINIMUM OF 2" DEPTH PRIOR TO THE IMPORT TOPSOIL APPLICATION. TOP SOIL SHALL BE PLACED 2" IN DEPTH IN ALL AREAS TO BE SEEDED. CONTRACTOR TO SUPPLY HIGH QUALITY IMPORTED TOPSOIL, HIGH IN HUMUS AND ORGANIC CONTENT FROM A LOCAL SUPPLY. IMPORTED TOPSOIL SHALL BE REASONABLY FREE OF CLAY LUMPS, COARSE SANDS, STONES, ROOTS AND OTHER FOREIGN DEBRIS.

IF INADEQUATE MOISTURE IS PRESENT IN SOIL, APPLY WATER AS NECESSARY FOR OPTIMUM MOISTURE FOR SEED APPLICATION.

ALL SEED SHALL BE HIGH QUALITY, TREATED LAWN TYPE SEED AND IS FREE OF NOXIOUS GRASS SEEDS. THE SEED APPLICATION SHALL BE UNIFORMLY DISTRIBUTED ON THE AREAS INDICATED ON PLANS.

HYDROMULCH WITH BERMUDA GRASS SEED AT A RATE OF TWO POUNDS PER ONE THOUSAND SQUARE FEET.

IF INSTALLATION OCCURS BETWEEN OCTOBER 1ST AND APRIL 1ST, ALL HYDROMULCH AREAS SHALL BE OVER-SEEDED WITH ANNUAL RYE GRASS AT A RATE OF FOUR POUNDS PER ONE THOUSAND SQUARE FEET. CONTRACTOR TO RE-HYDROMULCH WITH BERMUDA GRASS AT THE END OF THE ANNUAL RYE GROWING SEASON.

AFTER APPLICATION, NO EQUIPMENT SHALL OPERATE OVER APPLIED AREAS. WATER SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO SATURATION.

ALL LAWN AREAS TO BE HYDROMULCHED SHALL ACHIEVE 100% COVERAGE PRIOR TO FINAL ACCEPTANCE.

LANDSCAPE NOTES

REFERENCE SITEWORK AND SPECIFICATIONS FOR INFORMATION NEEDED FOR LANDSCAPE WORK.

CONTRACTOR TO VERIFY AND LOCATE ALL PROPOSED AND EXISTING STRUCTURES. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE FOR ANY LAYOUT DISCREPANCIES OR ANY CONDITION THAT WOULD PROHIBIT THE INSTALLATION AS SHOWN.

CONTRACTOR SHALL CALL 811 TO VERIFY AND LOCATE ANY AND ALL UTILITIES ON SITE PRIOR TO COMMENCING WORK. LANDSCAPE ARCHITECT SHOULD BE NOTIFIED OF ANY CONFLICTS.

A MINIMUM OF 2% SLOPE SHALL BE PROVIDED AWAY FROM ALL STRUCTURES. LANDSCAPE ISLANDS SHALL BE CROWNED, AND UNIFORM THROUGHOUT THE SITE.

ALL PLANTING AREAS SHALL BE GRADED SMOOTH TO ACHIEVE FINAL CONTOURS AS INDICATED ON PLAN WITH 3" OF TOPSOIL AND 3" OF COMPOST AND CONSISTENTLY BLENDED TO A DEPTH OF 8". ALL BEDS SHALL BE CROWNED TO ANTICIPATE SETTLEMENT AND ENSURE PROPER DRAINAGE.

PLANTING AREAS AND SOD TO BE SEPARATED BY STEEL EDGING. EDGING TO BE GREEN IN COLOR AND A MINIMUM OF 3/16" THICK. EDGING SHALL BE STAKED FROM THE INSIDE OF BED. EDGING NOT TO BE MORE THAN 1/2" ABOVE FINISHED GRADE.

MULCH SHALL BE INSTALLED AT 1/2" BELOW THE TOPS OF SIDEWALKS AND CURBING.

QUANTITIES ON THESE PLANS ARE FOR REFERENCE ONLY. THE SPACING OF PLANTS SHOULD BE AS INDICATED ON PLANS OR OTHERWISE NOTED. ALL TREES AND SHRUBS SHALL BE PLANTED PER DETAILS.

CONTAINER GROWN PLANT MATERIAL IS PREFERRED HOWEVER BALL AND BURLAP PLANT MATERIAL CAN BE SUBSTITUTED IF NEEDED BE AND IS APPROPRIATE TO THE SIZE AND QUALITY INDICATED ON THE PLANT MATERIAL LIST.

TREES SHALL BE PLANTED AT A MINIMUM OF 5' FROM ANY UTILITY LINE, SIDEWALK OR CURB. TREES SHALL ALSO BE 10' CLEAR FROM FIRE HYDRANTS.

4" OF SHREDDED HARDWOOD MULCH (2" SETTLED THICKNESS) SHALL BE PLACED OVER 4.1 OZ WOVEN WEED BARRIER FABRIC OR APPROVED EQUAL WEED BARRIER FABRIC SHALL BE USED IN PLANT BEDS AND AROUND ALL TREES AND SHALL BE DE WITT WEED BARRIER OR APPROVED EQUAL. MULCH SHALL BE SHREDDED BARK OR RUBBER LANDSCAPE MULCH, PINE STRAW MULCH IS PROHIBITED.

CONTRACTOR TO PROVIDE UNIT PRICING OF LANDSCAPE MATERIALS AND BE RESPONSIBLE FOR OBTAINING ALL LANDSCAPE AND IRRIGATION PERMITS.

IRRIGATION:

IN THE ABSENCE OF AN IRRIGATION SYSTEM OR AREAS BEYOND THE COVERAGE LIMITS OF A PERMANENT IRRIGATION SYSTEM, CONTRACTOR SHALL WATER SOD TEMPORARILY BY ANY MEANS AVAILABLE TO DEVELOP ADEQUATE GROWTH. TURF SHALL BE IN 100% ESTABLISHMENT AT THE TIME OF ACCEPTANCE.

ALL PLANTING BEDS SHALL HAVE AN AUTOMATIC IRRIGATION SYSTEM WITH A FREEZE-RAIN SENSOR. SYSTEM SHALL ALSO HAVE AN ET WEATHER BASED CONTROLLER AND BE DESIGNED AND INSTALLED BY A LICENSED IRRIGATOR.

MAINTENANCE REQUIREMENTS:

VEGETATION SHOULD BE INSPECTED REGULARLY TO ENSURE THAT PLANT MATERIAL IS ESTABLISHING PROPERLY AND REMAINS IN A HEALTHY GROWING CONDITION APPROPRIATE FOR THE SEASON. IF DAMAGED OR REMOVED, PLANTS MUST BE REPLACED BY A SIMILAR VARIETY AND SIZE.

MOWING, TRIMMING, EDGING AND SUPERVISION OF WATER APPLICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER OR OWNERS REPRESENTATIVE ACCEPTS AND ASSUMES REGULAR MAINTENANCE.

ALL LANDSCAPE AREAS SHOULD BE CLEANED AND KEPT FREE OF TRASH, DEBRIS, WEEDS AND OTHER MATERIAL.

MISCELLANEOUS MATERIALS:

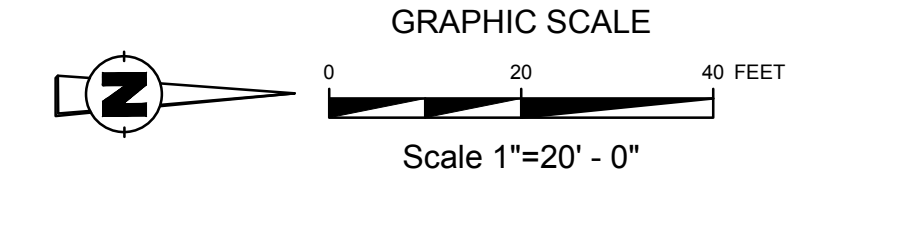
STEEL EDGING SHALL BE 3/16" X 4 X 16' DARK GREEN DURAEDEGE STEEL LANDSCAPE EDGING.

IRRIGATION WILL MEET THE REQUIREMENTS OF THE ROCKWALL UDC.

PLANT SCHEDULE

QTY	LABEL	COMMON NAME	SCIENTIFIC NAME	SIZE	NOTES
SHADE TREES					
6	LE	Lacebark Elm	<i>Ulmus parvifolia 'Sempervirens'</i>	4" cal.	12' ht., 4' spread
7	SO	Shumard Oak	<i>Quercus shumardii</i>	4" cal.	12' ht., 5' spread
ORNAMENTAL TREES					
7	RB	Oklahoma Redbud	<i>Cercis reniformis 'Oklahoma'</i>	30 gal.	8' ht., 4' spread, 3 trunk min.
SHRUBS					
42	DBH	Dwarf Burford Holly	<i>Ilex cornuta 'Burford Nana'</i>	5 gal.	full, 24" spread, 30" ht., 36" o.c.
19	DHG	Dwarf Hamlin Grass	<i>Pennisetum alopecuroides 'Hamelin'</i>	5 gal.	full, 18" sprd, 20" ht., 24" o.c.
11	IH	Indian Hawthorne 'Minor'	<i>Raphiolepis indica 'Minor'</i>	5 gal.	full, 24" spread, 30" ht., 36" o.c.
9	LM	Lindheimer Muhly Grass	<i>Muhlenbergia lindheimeri</i>	5 gal.	full, 24" spread, 36" o.c.
34	LOR	Loropetalum 'Purple Pixie'	<i>Loropetalum chinensis 'Purple Pixie'</i>	5 gal.	full, 18" sprd, 20" ht., 24" o.c.
GROUND COVER/VINES/GRASS					
15	BBL	Big Blue Liriope	<i>Liriope muscari 'Big Blue'</i>	1 gal.	full, 18" o.c.

Plant list is an aid to bidders only. Contractor shall verify all quantities on plan. All heights and spreads are minimums. Trees shall have a strong central leader and be of matching specimens. All plant material shall meet or exceed remarks as indicated.



LANDSCAPE ARCHITECT:
AWR
AWR Designs, LLC
10321 Bradshaw Drive
Fort Worth, Texas 76108
awr.designs@gmail.com
c. 512.517.5389

ENGINEER:
VASQUEZ ENGINEERING, L.L.C.
1919 S. SHILOH ROAD, SUITE 440
GARLAND, TEXAS 75042
PHONE: 972-272-4610
CONTACT: JUAN J. VASQUEZ, P.E.

OWNER/DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE, SUITE 160
DALLAS, TEXAS 75254
PHONE: 214-402-8702
CONTACT: JAY HOLMAN

LANDSCAPE PLAN
GOLIAD RETAIL
LOT 3, BLOCK A
DALTON GOLIAD ADDITION
1.350 ACRES
ROCKWALL, ROCKWALL COUNTY, TEXAS
MARCH 11, 2016
CASE #SP2016-005

Scale: 1" = 40'

Designed by: JUL

Drawn by: JUL

Checked by: JUL

606-0114mpRETABLDSP1.dwg

Date: 03/11/2016

LANDSCAPE PLAN

LOT 3, BLOCK A
DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

SHEET LP1

DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
DALLAS, TX 75254

APP.:

DATE:

NO.:

VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-272-2948
TX Registration # F-12286

REGISTERED LANDSCAPE ARCHITECT
AMANDA W. RICHARDS
NOV 27 2014
STATE OF TEXAS
3.7.16

SECTION 32 9300 - LANDSCAPE

PART 1 - GENERAL

- 1.1 QUALIFICATIONS OF THE LANDSCAPE CONTRACTOR
 - A. ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING
- 1.2 REFERENCE DOCUMENTS
 - A. REFER TO LANDSCAPE PLANS, NOTES, AND DETAILS FOR ADDITIONAL REQUIREMENTS
- 1.3 SCOPE OF WORK / DESCRIPTION OF WORK
 - A. WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS
 - B. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
 - C. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK
 - D. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY TO PROVIDE ALL WORK, COMPLETE IN PLACE AS SHOWN AND SPECIFIED. WORK SHOULD INCLUDE:
 - A. SEEDING
 - B. BED PREPARATION AND FERTILIZATION
 - C. WATER AND MAINTENANCE UNTIL FINAL ACCEPTANCE
 - D. WORK GUARANTEE

- 1.4 REFERENCES
 - A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) Z60.1 - NURSERY STOCK
 - B. TEXAS STATE DEPARTMENT OF AGRICULTURE
 - C. TEXAS ASSOCIATION OF NURSERYMEN, GRASSES AND STANDARDS
- 1.5 SUBMITTALS
 - A. PROVIDE REPRESENTATIVE QUANTITIES OF EACH SOIL, MULCH, BED MIX, GRAVEL, AND STONE BEFORE INSTALLATION. SAMPLES TO BE APPROVED BY OWNERS REPRESENTATIVE BEFORE USE
 - B. SOIL AMENDMENTS AND FERTILIZERS SHOULD BE RESEARCHED AND BASED ON THE SOILS IN THE AREA
 - C. BEFORE INSTALLATION, SUBMIT DOCUMENTATION THAT PLANT MATERIALS ARE AVAILABLE AND HAVE BEEN RESERVED. FOR ANY PLANT MATERIAL NOT AVAILABLE, SUBMIT REQUEST FOR SUBSTITUTION.
- 1.6 JOB CONDITIONS, DELIVERY, STORAGE AND HANDLING
 - A. GENERAL CONTRACTOR TO COMPLETE WORK BEFORE LANDSCAPE CONTRACTOR TO COMMENCE. ALL PLANTING BED AREAS SHALL BE LEFT THREE INCHES BELOW FINAL GRADE OF SIDEWALKS, DRIVES AND CURBS. ALL AREAS TO RECEIVE SOLID SOD SHALL BE LEFT ONE INCH BELOW THE FINAL GRADE OF WALKS, DRIVES AND CURBS. CONSTRUCTION DEBRIS SHALL BE REMOVED PRIOR TO LANDSCAPE CONTRACTOR BEGINNING WORK.
 - B. ALL PACKAGED MATERIALS SHALL BE SEALED IN CONTAINERS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. ALL MATERIALS SHALL BE PROTECTED FROM DETERIORATION IN TRANSIT AND WHILE STORED ON SITE.
 - C. DELIVER PLANT MATERIALS IMMEDIATELY PRIOR TO INSTALLATION. PLANT MATERIALS SHOULD BE INSTALLED ON THE SAME DAY AS DELIVERED. IF PLANTING CANNOT BE INSTALLED ON THE SAME DAY, PROVIDE ADDITIONAL PROTECTION TO MAINTAIN PLANTS IN A HEALTHY, VIGOROUS CONDITION.
 - D. STORE PLANT MATERIALS IN SHADE, PROTECT FROM FREEZING AND DRYING.

- E. KEEP PLANT MATERIALS MOIST AND PROTECT FROM DAMAGE TO ROOT BALLS, TRUNKS AND BRANCHES.
- F. PROTECT ROOT BALLS BY HEELING WITH SAWDUST OR OTHER MOISTURE RETAINING MATERIAL IF NOT PLANTED WITHIN 24 HOURS OF DELIVERY.
- G. NOTIFY OWNERS REPRESENTATIVE OF DELIVERY SCHEDULE 72 HOURS IN ADVANCE.
- H. FOR BALLED AND BURLAPPED PLANTS - DIG AND PREPARE SHIPMENT IN A MANNER THAT WILL NOT DAMAGE ROOTS, BRANCHES, SHAPE, AND FUTURE DEVELOPMENT.
- I. CONTAINER GROWN PLANTS - DELIVER PLANTS IN CONTAINER TO HOLD BALL SHAPE AND PROTECT ROOT MASS.
- J. STORAGE OF ALL MATERIALS AND EQUIPMENT WILL BE AT THE RISK OF THE LANDSCAPE CONTRACTOR. OWNER WILL NOT BE HELD RESPONSIBLE FOR THEFT OR DAMAGE.
- 1.7 SEQUENCING
 - A. INSTALL TREES, SHRUBS, AND LINER STOCK PLANT MATERIALS PRIOR TO INSTALLATION OF LAWN/SOLID SOD.
 - B. WHERE EXISTING TURF AREAS ARE BEING CONVERTED TO PLANTING BEDS, THE TURF SHALL BE CHEMICALLY ERADICATED TO MINIMIZE RE-GROWTH IN THE FUTURE. AREAS SHALL BE PROPERLY PREPARED WITH AMENDED ORGANIC MATTER.
- 1.8 WARRANTIES PERIOD, PLANT GUARANTEE, REPLACEMENTS
 - A. PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.
 - B. FURNISH WRITTEN WARRANTY THAT PLANT MATERIALS WILL BE IN A HEALTHY, VIGOROUS GROWING CONDITION FOR ONE YEAR (TWELVE MONTHS) AFTER FINAL ACCEPTANCE. DAMAGE DUE TO ACTS OF GOD, VANDALISM, OR NEGLIGENCE BY OWNER IS EXCLUDED.
 - C. REPLACE DEAD, UNHEALTHY, AND UNSIGHTLY PLANT MATERIAL UPON WARRANTY PERIOD UPON NOTIFICATION BY OWNER OR OWNERS REPRESENTATIVE. PLANTS USED FOR REPLACEMENT SHALL BE OF THE SAME SIZE AND KIND AS THOSE ORIGINALLY PLANTED OR SPECIFIED.
 - D. THE OWNER AGREES THAT FOR THE ONE YEAR WARRANTY PERIOD TO BE EFFECTIVE, HE WILL WATER PLANTS AT LEAST TWICE A WEEK DURING DRY PERIODS.
 - E. NOTIFY OWNER OR OWNERS REPRESENTATIVE SEVEN DAYS PRIOR TO THE EXPIRATION OF THE WARRANTY PERIOD.
- 1.9 MAINTENANCE
 - A. MAINTAIN PLANT LIFE AND PLANTING BEDS IMMEDIATELY AFTER PLACEMENT AND FOR MINIMUM 30 DAYS AFTER FINAL ACCEPTANCE.
 - B. ALL LANDSCAPE MUST BE MAINTAINED AND GRASS MOWED/EDGED ON A WEEKLY SCHEDULE UNTIL ACCEPTANCE BY OWNER.
 - C. REPLACE DEAD OR DYING PLANTS WITH PLANTS OF SAME SIZE AND SPECIES AS SPECIFIED.
 - D. REMOVE TRASH, DEBRIS, AND LITTER, WATER, PRUNE, RESTAKE TREES, FERTILIZE, WEED AND APPLY HERBICIDES AND FUNGICIDES AS REQUIRED.
 - E. REMOVE CLIPPINGS AND DEBRIS FROM SITE PROMPTLY.
 - F. COORDINATE WITH OPERATION OF IRRIGATION SYSTEM TO ENSURE THAT PLANTS ARE ADEQUATELY WATERED. HAND WATER AREAS NOT RECEIVING ADEQUATE WATER FROM AN IRRIGATION SYSTEM.
 - G. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN ACCORDANCE TO THE MAINTENANCE SERVICE TO ENSURE THE SYSTEM IS IN PROPER WORKING ORDER WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
 - H. RESET SETTLED PLANTS
 - I. REAPPLY MULCH TO BARE AND THIN AREAS.
 - J. SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
 - K. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:

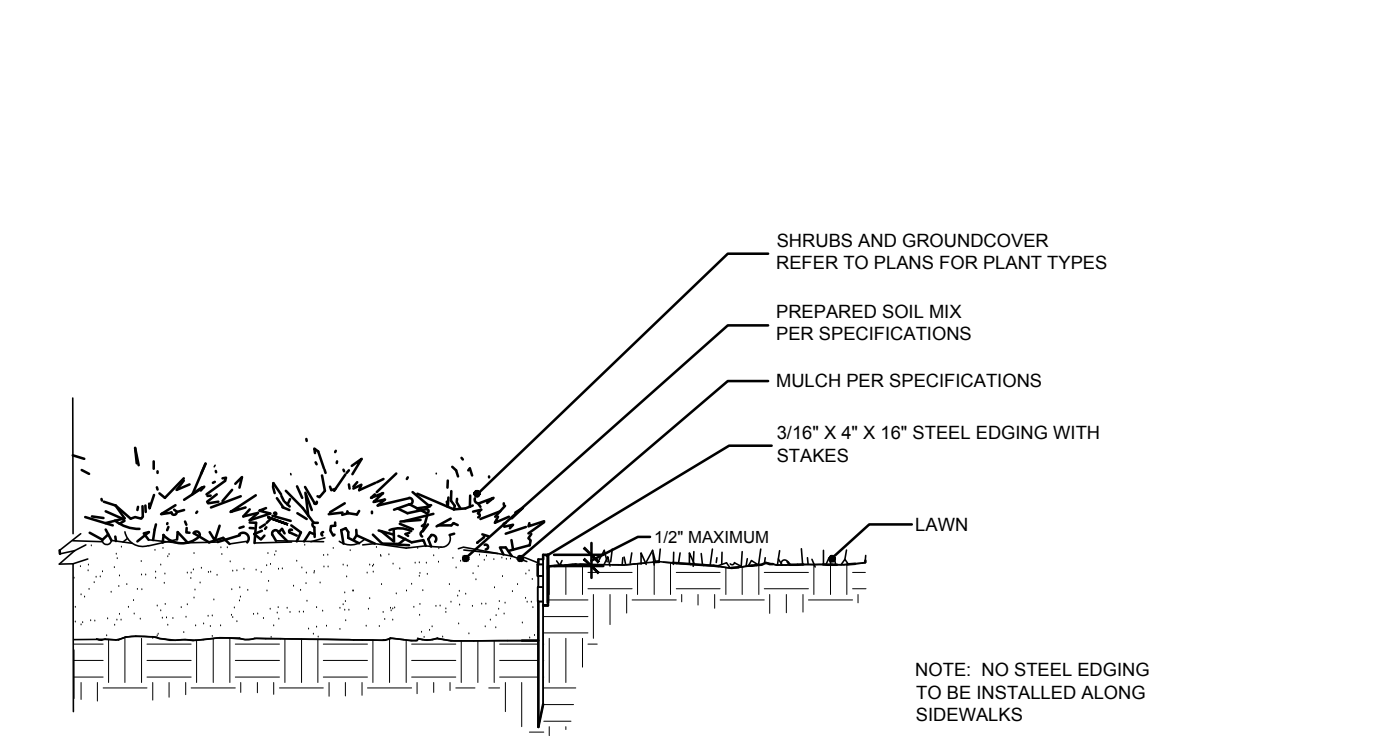
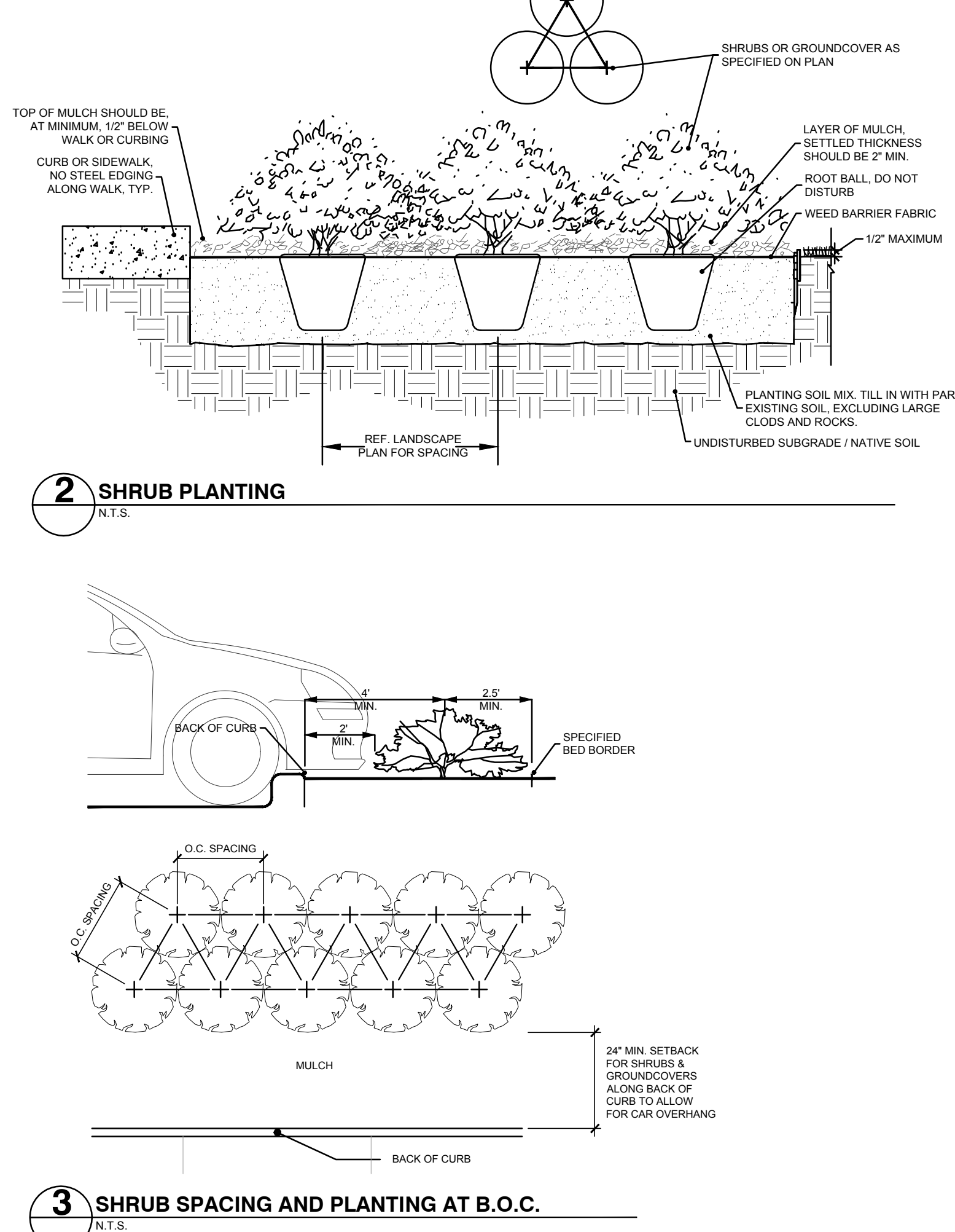
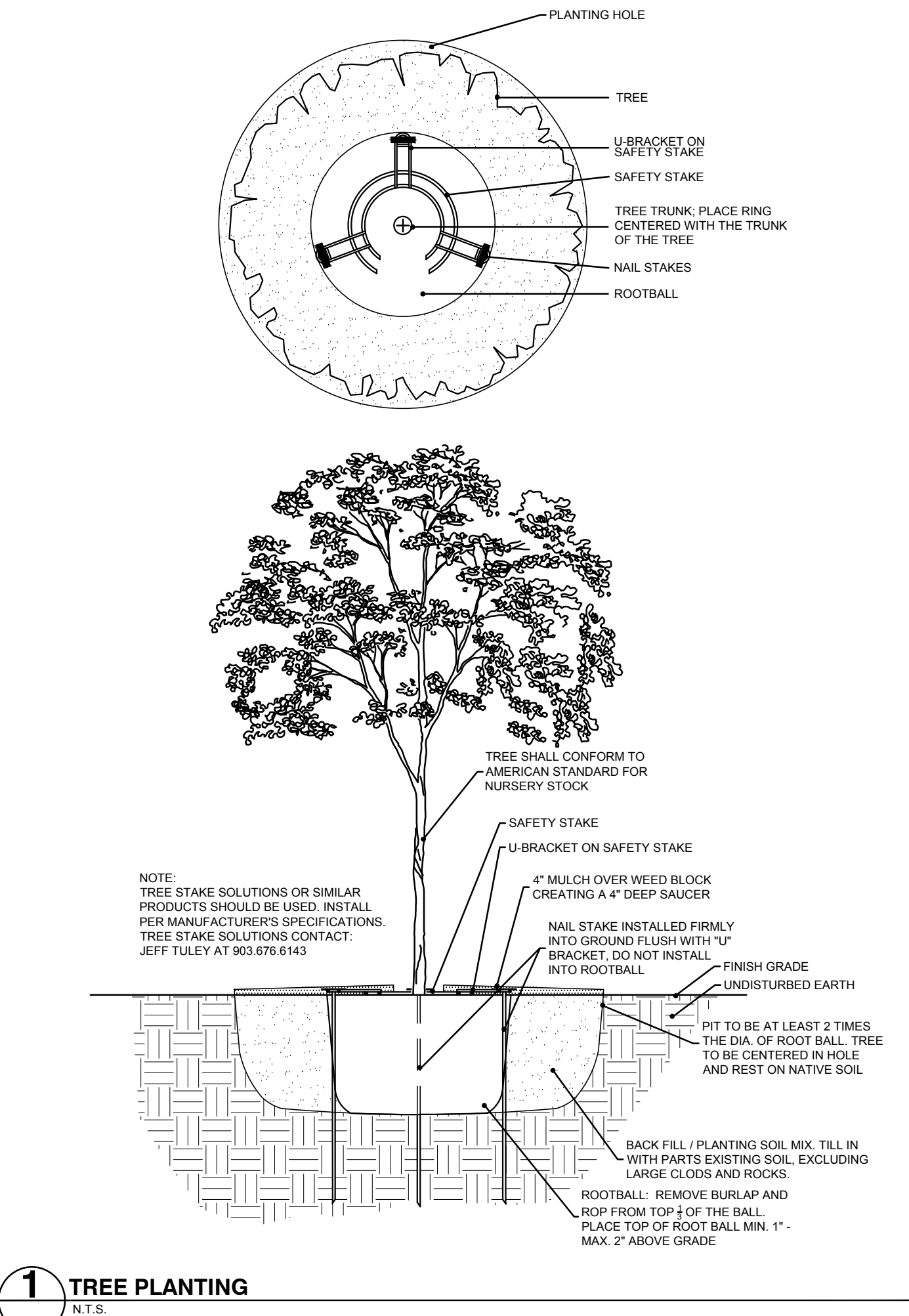
- a. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
- b. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
- c. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING, HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEEDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- 1.10 QUALITY ASSURANCE
 - A. COMPLY WITH ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK.
 - B. EMPLOY PERSONNEL EXPERIENCED AND FAMILIAR WITH THE REQUIRED WORK AND SUPERVISION BY A FOREMAN.
 - C. DO NOT MAKE PLANT MATERIAL SUBSTITUTIONS, IF THE LANDSCAPE MATERIAL SPECIFIED IS NOT READILY AVAILABLE, SUBMIT PROOF TO LANDSCAPE ARCHITECT ALONG WITH THE PROPOSED MATERIAL TO BE USED IN LIEU OF THE SPECIFIED PLANT.
 - D. OWNERS REPRESENTATIVE SHALL INSPECT ALL PLANT MATERIAL AND RETAINS THE RIGHT TO INSPECT MATERIALS UPON ARRIVAL TO THE SITE AND DURING INSTALLATION. THE OWNERS REPRESENTATIVE MAY ALSO REJECT ANY MATERIALS HEREIN SPECIFIED THAT ARE UNSATISFACTORY OR DEFECTIVE DURING THE WORK PROCESS. ALL PLANTS DAMAGED IN TRANSIT OR AT THE JOB SITE SHALL BE REJECTED.
- PART 2 - PRODUCTS
 - 2.1 PLANT MATERIALS
 - A. ALL PLANTS SHALL BE CERTIFIED IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK.
 - B. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
 - C. PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED, EXCEPT THE PLANTS LARGER THAN THOSE SPECIFIED MAY BE USED. USE OF LARGER PLANTS SHALL NOT INCREASE THE CONTRACT PRICE.
 - D. WHERE MATERIALS ARE PLANTED IN MASSES, PROVIDE PLANTS OF UNIFORM SIZE.
 - E. PLANT SCHEDULE ON DRAWING IS FOR CONTRACTORS INFORMATION ONLY AND NO GUARANTEE IS EXPRESSED OR IMPLIED THAT QUANTITIES THEREIN ARE CORRECT. THE CONTRACTOR SHALL ENSURE THAT ALL PLANT MATERIALS SHOWN ON THE DRAWINGS ARE INCLUDED IN HIS OR HER BID.
 - F. SHALL BE FREE OF DISEASE, INSECT INFESTATION, DEFECTS INCLUDING WEAK OR BROKEN LIMBS, CROTCHES, AND DAMAGED TRUNKS, ROOTS OR LEAVES, SUN SCALD, FRESH BARK ABRASIONS, EXCESSIVE ABRASIONS, OBJECTIONABLE DISFIGUREMENT, INSECT EGGS AND LARVAE.
 - G. ALL PLANTS SHALL EXHIBIT NORMAL GROWTH HABITS, VIGOROUS, HEALTHY, FULL WELL BRANCHED, WELL ROOTED, PROPORTIONATE AND SYMMETRICAL.
 - H. ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, FIBROUS ROOT SYSTEMS, NONPOT BOUND, FREE FROM ENCRUING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED ROOTS).
 - I. ALL PLANTS DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTORS OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNERS REPRESENTATIVE SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
 - J. ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
 - K. TREE TRUNKS TO BE STURDY, EXHIBIT HARDENED SYSTEMS AND
 - 2.2 ACCESSORIES/MISCELLANEOUS MATERIALS
 - A. MULCH - DOUBLE SHREDDED HARDWOOD MULCH, PARTIALLY DECOMPOSED BY LIVING BARTH TECHNOLOGIES OR APPROVED SUBSTITUTE. MULCH SHOULD BE FREE OF STICKS, STONES, CLAY, GROWTH AND GERMINATION INHIBITING INGREDIENTS.
 - B. FERTILIZER - COMMERCIAL FERTILIZER CONTAINING 10-20-10 OR SIMILAR ANALYSIS.
 - C. SOIL PREPARATION - SHALL BE FERTILE, LOAMY SOIL, ORGANIC MATTER SHALL ENCOMPASS BETWEEN 3% AND 10% OF THE TOTAL DRY WEIGHT. SOIL SHALL BE FREE FROM SUBSOL, REFUSE, ROOTS, HEAVY OR STIFF CLAY, STONES LARGER THAN 1" NODULOUS WEEDS, STICKS, BRUSH, LITTER AND OTHER SUBSTANCES. IT SHOULD BE SUITABLE FOR THE GERMINATION OF SEEDS AND THE SUPPORT OF VEGETATIVE GROWTH. THE PH VALUE SHOULD BE BETWEEN 4 AND 7.

- VIGOROUS AND FIBROUS ROOT SYSTEMS, NOT ROOT OR POT BOUND.
- L. TREES WITH DAMAGED OR CROOKED LEADERS, BARK ABRASIONS, SUNSCALD, DISFIGURING KNOTS, OR INSECT DAMAGE WILL BE REJECTED.
- M. CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER.
- N. MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL.
- O. ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- P. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1" EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
- 2.3 ACCESSORIES/MISCELLANEOUS MATERIALS
 - A. MULCH - DOUBLE SHREDDED HARDWOOD MULCH, PARTIALLY DECOMPOSED BY LIVING BARTH TECHNOLOGIES OR APPROVED SUBSTITUTE. MULCH SHOULD BE FREE OF STICKS, STONES, CLAY, GROWTH AND GERMINATION INHIBITING INGREDIENTS.
 - B. FERTILIZER - COMMERCIAL FERTILIZER CONTAINING 10-20-10 OR SIMILAR ANALYSIS.
 - C. SOIL PREPARATION - SHALL BE FERTILE, LOAMY SOIL, ORGANIC MATTER SHALL ENCOMPASS BETWEEN 3% AND 10% OF THE TOTAL DRY WEIGHT. SOIL SHALL BE FREE FROM SUBSOL, REFUSE, ROOTS, HEAVY OR STIFF CLAY, STONES LARGER THAN 1" NODULOUS WEEDS, STICKS, BRUSH, LITTER AND OTHER SUBSTANCES. IT SHOULD BE SUITABLE FOR THE GERMINATION OF SEEDS AND THE SUPPORT OF VEGETATIVE GROWTH. THE PH VALUE SHOULD BE BETWEEN 4 AND 7.
- APPROXIMATE PARTICLE DISTRIBUTION FOR TOPSOIL

CLAY	BETWEEN 15% AND 25%
SILT	BETWEEN 15% AND 25%
SAND	LESS THAN 50%
GRAVEL	LESS THAN 10%
- D. EXISTING TOPSOIL - MAY BE USED IF IT MEETS THE REQUIREMENTS FOR THE IMPORTED TOPSOIL OR IF APPROVED BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. TOPSOIL SHALL NOT BE STRIPPED, TRANSPORTED OR GRADED IF MOISTURE CONTENT EXCEEDS FIELD CAPACITY. TOPSOIL STOCKPILES SHALL BE PROTECTED FROM EROSION OR CONTAMINATION.
- E. ALL NEW TURF AREAS LOCATED ON THE FRONT, SIDES, REAR, AND INSIDE THE FIRE LANE SHALL BE SODDED AND SHALL BE AMENDED WITH QUALITY TOPSOIL AT A MINIMUM DEPTH OF FOUR INCHES.
- F. STEEL EDGING - SHALL BE 3/16" X 4" X 16" DARK GREEN LANDSCAPE EDGING.
- G. TREE STAKING - TREE STAKING SOLUTIONS OR APPROVED SUBSTITUTE; REFER TO DETAILS.
- H. FILTER FABRIC - MIRAFI 1405 BY MIRAFI INC. OR APPROVED SUBSTITUTE.
- I. SAND - UNIFORMLY GRADED, WASHED, CLEAN, BANK RUN SAND.
- J. DECOMPOSED GRANITE - BASE MATERIAL OF NATURAL MATERIAL MIX OF GRANITE AGGREGATE NOT TO EXCEED 1/8" IN DIAMETER.
- K. RUBBER ROCK - LOCALLY AVAILABLE RUBBER ROCK BETWEEN 2"-4" IN DIAMETER.
- L. PRE-EMERGENT HERBICIDES - ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURERS LABELED RATES.

- FINISH GRADE - THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
- B. SOIL TESTING:
 - A. AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, PH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL.
 - B. CONTRACTOR SHALL ALSO SUBMIT THE PROJECTS PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
 - C. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
 - D. THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS, ANY CHANGE IN COST DUE TO THE SOILS REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
 - E. IF WEEDS ARE GROWING IN PLANTING AREAS, APPLY HERBICIDE RECOMMENDED BY MANUFACTURER AND APPLIED BY AN APPROVED LICENSED APPLICATOR. ALLOW WEEDS TO DIE, AND THEN GRUB OUT ROOTS TO A MINIMUM OF 12 INCH DEPTH.
 - F. PREPARE NEW PLANTING BEDS BY TILING EXISTING SOIL TO A DEPTH OF SIX INCHES PRIOR TO PLACING COMPOST AND FERTILIZER. ADD SIX INCHES OF COMPOST AND TILL INTO A DEPTH OF SIX INCHES OF THE TOPSOIL.
 - G. POSITION TREES AND SHRUBS AS DESIGNED ON PLAN. OBTAIN OWNERS REPRESENTATIVES APPROVAL PRIOR TO PROCEEDING.
 - H. ALL PLANTING AREAS SHALL RECEIVE A MINIMUM OF 2 INCH LAYER OF MULCH (SETTLED THICKNESS).
- 3.2 EXCAVATING
 - A. EXCAVATE PITS FOR PLANTING. TREE PITS SHALL BE LARGE ENOUGH TO PERMIT THE HANDLING OF THE ROOT BALL WITHOUT DAMAGE TO THE ROOTS. TREES SHALL BE PLANTED AT A DEPTH THAT WHEN SETTLED, THE CROWN OF THE PLANT SHALL BEAR THE SAME RELATIONSHIP TO THE FINISH GRADE AS IT DID TO THE SOIL SURFACE IN ORIGINAL PLACE OF GROWTH.
 - B. TREE PITS PERCOLATION TEST: FILL PIT WITH WATER AND ALLOW TO STAND FOR 24 HOURS. IF PIT DOES NOT DRAIN, THE TREE NEEDS TO BE MOVED TO ANOTHER LOCATION OR HAVE DRAINAGE ADDED.
 - C. SHRUB AND TREE PITS SHALL BE NO LESS THAN 24" WIDER THAN THE ROOT BALL AND 6" DEEPER THAN ITS VERTICAL DIMENSION. HOLES SHOULD BE ROUGH, NOT SMOOTH OR GLAZED.
- 3.3 PLANTING
 - A. REMOVE NURSERY TAGS AND STAKES FROM ALL PLANTS
 - B. REMOVE CONTAINERS WITHOUT DAMAGE TO ROOTS.
 - C. REMOVE BOTTOM OF PLANT BOXES PRIOR TO PLACING PLANTS. REMOVE SIDES AFTER PLACEMENT AND PARTIAL BACKFILLING.
 - D. REMOVE UPPER THIRD OF BURLAP FROM BALLED AND BURLAPPED TREES AFTER PLACEMENT.
 - E. PLACE PLANT UPRIGHT AND PLUMS IN CENTER OF HOLE. ORIENT PLANTS FOR BEST APPEARANCE.
 - F. SET PLANTS WITH TOP OF ROOT BALLS FLUSH WITH ADJACENT GRADE AFTER COMPACTION. ADJUST PLANT HEIGHT IF SETTLEMENT OCCURS AFTER BACKFILLING.
 - G. BACKFILL HOLES IMMEDIATELY AFTER PLANT IS PLACED USING BACKFILL MIX. BACKFILL TO ONE HALF DEPTH, FILL HOLE WITH WATER AND LIGHTLY TAMP SOIL TO REMOVE VOIDS AND AIR POCKETS.
 - H. TRIM PLANTS TO REMOVE DEAD AND INJURED BRANCHES ONLY. BRACE PLANTS OVER 65 GALLONS IN SIZE.
 - I. MULCH TO THE TOP OF THE ROOT BALL. DO NOT PLANT GRASS ALL THE WAY TO TRUNK OF THE TREE. MULCH WITH AT LEAST 2" OF SPECIFIED MULCH.
 - J. DO NOT WRAP TREES.
 - K. DO NOT OVER PRUNE.
 - L. BLOCKS OF SOD SHOULD BE LAID JOINT TO JOINT AFTER FERTILIZING.

- 3.4 STEEL EDGING
 - A. STEEL EDGING SHALL BE INSTALLED AND ALIGNED AS INDICATED ON PLANS. OWNERS REPRESENTATIVE TO APPROVE THE STAKED OR PLANTING LOCATION OF STEEL EDGE PRIOR TO INSTALLATION.
 - B. ALL STEEL EDGING SHALL BE FREE OF BENDS OR KINKS.
 - C. TOP OF EDGING SHALL BE 1/2" MAXIMUM HEIGHT ABOVE FINAL FINISHED GRADE.
 - D. STAKES ARE TO BE INSTALLED ON THE PLANTING BED SIDE OF THE EDGING, NOT THE GRASS SIDE.
 - E. STEEL EDGING SHALL NOT BE INSTALLED ALONG SIDEWALKS OR CURBS.
 - F. EDGING SHOULD BE CUT AT A 45 DEGREE ANGLE WHERE IT MEETS SIDEWALKS OR CURBS.
- 3.5 CLEANUP
 - A. REMOVE CONTAINERS, TRASH, RUBBISH AND EXCESS SOILS FROM SITE AS WORK PROGRESSES.
 - B. REPAIR RUTS, HOLES AND SCARES IN GROUND SURFACES.
 - C. PREMISES SHALL BE KEPT NEAT AT ALL TIMES AND ORGANIZED.
 - D. ALL PAVED AREAS SHOULD BE CLEANED AT THE END OF EACH WORK DAY.
- 3.6 ACCEPTANCE
 - A. ENSURE THAT WORK IS COMPLETE AND PLANT MATERIALS ARE IN VIGOROUS AND HEALTHY GROWING CONDITION.
 - B. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
 - C. WHENIF THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNERS SATISFACTION WITHIN 24 HOURS.
 - D. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.



LANDSCAPE ARCHITECT:



AWR Designs, LLC
10321 Bradshaw Drive
Fort Worth, Texas 76108
awr.designs@gmail.com
c. 512.517.5589

ENGINEER:

VASQUEZ ENGINEERING, L.L.C.
1919 S. SHILOH ROAD, SUITE 440
GARLAND, TEXAS 75042
PHONE: 972-272-4610
CONTACT: JUAN J. VASQUEZ, P.E.

OWNER / DEVELOPER:

ROCKWALL 205-552, LLC
1408 QUORUM DRIVE, SUITE 160
DALLAS, TEXAS 75254
PHONE: 214-402-8702
CONTACT: JAY HOLMAN

LANDSCAPE SPECIFICATIONS AND DETAILS
GOLIAD RETAIL
LOT 3, BLOCK A
DALTON GOLIAD ADDITION
1.350 ACRES
ROCKWALL, ROCKWALL COUNTY, TEXAS
MARCH 11, 2016
CASE #SP2016-005

Scale: 1" = 40'	Designed by: JUV	Drawn by: JUV	Checked by: JUV	Date: 03/11/2016
LANDSCAPE SPECIFICATIONS AND DETAILS				
LOT 3, BLOCK A DALTON GOLIAD ADDITION CITY OF ROCKWALL, TEXAS				
SHEET LP2				

DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
DALLAS, TX 75254

VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-272-2948
TX Registration # F-12286

BENCHMARK:

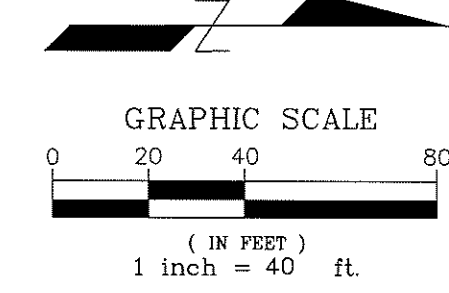
MONUMENT 179.7' WEST OF WEST EDGE OF SH 205 PAVEMENT AND 6.8' NORTH OF BACK OF CURB DALTON ROAD. ELEVATION = 541.57'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC., DATED 01/14/2016.
2. ALL WORK WITHIN TXDOT R.O.W. SHALL BE PER TXDOT STANDARDS AND SPECIFICATIONS.
3. TRAFFIC CONTROL TO BE PER TXDOT STANDARDS AND SPECIFICATIONS.
4. CONTRACTOR TO COORDINATE CONSTRUCTION W/ ADJOINING BUSINESS.
5. CONTRACTOR TO CONTACT TXDOT INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION.
6. EXISTING STRIPING TO BE REMOVED BY WATER OR SAND BLASTING. NO GRINDING OF THE EXISTING STRIPING WILL BE ALLOWED.

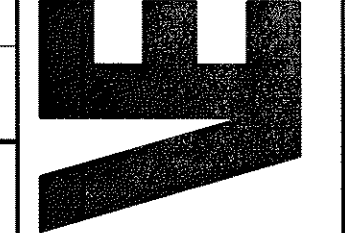
LEGEND

- PROP. 6" INTEGRAL CURB
- EXISTING CURB/PAVEMENT
- - - PROPERTY LINE



NO.	DATE	RECORD DRAWINGS	APP.
1	11/06/17		

VASQUEZ ENGINEERING, L.L.C.
 1919 S. Shiloh Road
 Suite 440, LB 44
 Garland, Texas 75042
 Ph: 972-278-2948
 TX Registration # F-12266



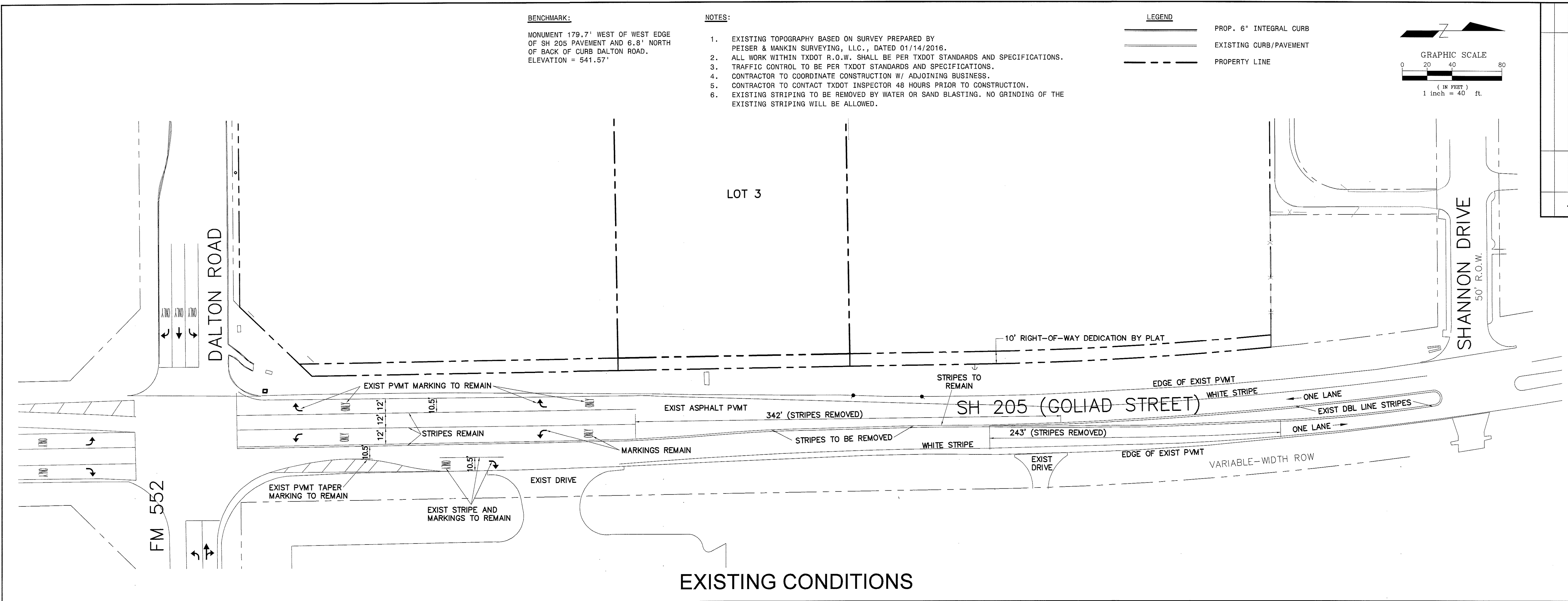
THE SEAL APPEARING ON THIS DRAWING IS THE PROPERTY OF VASQUEZ ENGINEERING, L.L.C. AND IS TO BE USED ONLY FOR THE PROJECT AND DATE SPECIFIED HEREON.
 JUAN V. VASQUEZ, P.E., 85852, ON 04/28/2016

DEVELOPER:
 ROCKWALL 205-552, LLC
 1408 QUORUM DRIVE
 SUITE 160
 DALLAS, TX 75254

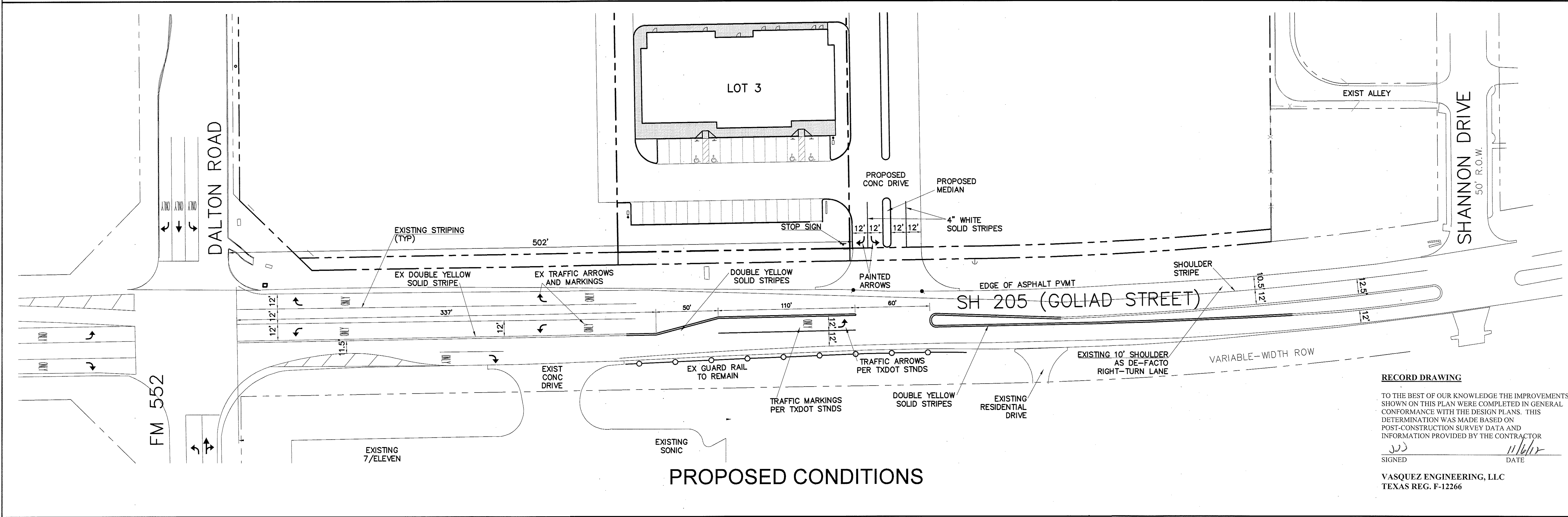
TURN LANE PLAN
 DALTON GOLIAD ADDITION
 CITY OF ROCKWALL, TEXAS

Scale: 1" = 40'
 Designed by: JUV
 Drawn by: JUV
 Checked by: JUV
 8/13/2016/02 TURN LANE PLAN.dwg
 Date: 08/21/2016

SHEET
C2



EXISTING CONDITIONS



PROPOSED CONDITIONS

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

SIGNED: *JUV* DATE: *11/6/17*

VASQUEZ ENGINEERING, LLC
 TEXAS REG. F-12266

GRADING NOTES:

- REFERENCE GENERAL NOTES ON THE PAVING PLAN FOR ADDITIONAL SPECIFICATIONS.
- ALL CONSTRUCTION SHALL BE PER CITY STANDARDS FOR CONSTRUCTION.
- AREAS TO RECEIVE PAVING SHALL BE STRIPPED TO A MINIMUM DEPTH OF SIX INCHES TO REMOVE ALL VEGETATION, TOP SOIL, AND DEBRIS IF PRESENT. EXCESS MATERIALS AND DEBRIS SHALL BE DISPOSED OF OFF SITE IN A LEGAL MANNER. TOP SOIL SHALL BE STOCKPILED FOR USE IN FINAL GRADING.
- CONTRACTOR SHALL ESTABLISH INTERIOR SWALES TO ROUTE RAINFALL THROUGH THE SITE. WATER MUST NOT BE ALLOWED TO POND IN TREE GRUB HOLES. THE SITE SHOULD BE GRADED SUCH THAT POSITIVE SURFACE DRAINAGE AWAY FROM THE WORK AREAS IS ESTABLISHED AND MAINTAINED AT ALL TIMES. WATER MUST NOT BE ALLOWED TO POND ON THE SURFACE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE FOR SEDIMENT AND EROSION CONTROL AS REQUIRED BY THE CITY THROUGHOUT THE CONSTRUCTION OF THE PROJECT. THE FILTER FABRIC NETS WILL BE PLACED AT THE TOE OF SLOPE OR IN THE FLOW LINE OF DITCHES AND ALONG PERIMETER OF THE PROJECT. EROSION CONTROL SHALL BE USED UNTIL LANDSCAPING IS COMPLETE AND GROUND COVER IS ESTABLISHED.
- ALL AREAS THAT WILL RECEIVE FILL SHALL BE PROOF-ROLLED TO IDENTIFY WEAK ZONES. ALL WEAK ZONES MUST BE REMOVED AND REPLACED PRIOR TO FILL PLACEMENT.
- FILL MATERIALS SHOULD BE PLACED IN LOOSE LIFTS, MAX. 8 INCHES THICK, AND EACH LIFT COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. EACH LIFT SHOULD BE INSPECTED AND APPROVED BY A QUALIFIED ENGINEERING TECHNICIAN, SUPERVISED BY A GEOTECHNICAL ENGINEER BEFORE ANOTHER LIFT IS ADDED. ALL FILL TO BE COMPACTED USING A SLEEPER'S FOOT ROLLER.
- TESTING IS REQUIRED, AND SHALL BE PERFORMED BY A LABORATORY APPROVED BY THE OWNER AND PAID FOR BY THE OWNER.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF FINAL GRADING OR PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING THE CONSTRUCTION OF PAVING FOR THIS PROJECT.
- MATCH EXISTING GRADES AT COMMON PROPERTY LINES.

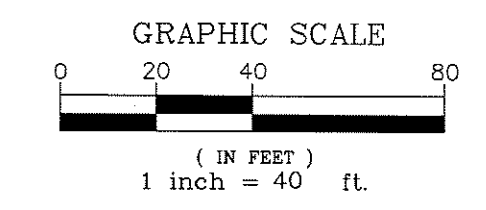
BENCHMARK:

MONUMENT 179.7' WEST OF WEST EDGE OF SH 205 PAVEMENT AND 6.8' NORTH OF BACK OF CURB DALTON ROAD. ELEVATION = 541.57'

NOTES:

- EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER MANKIN SURVEYING, LLC DATED 1/14/2016.
- SEE SHEET C1 FOR SITE LAYOUT.
- SEE SHEET C3.2 FOR ADDITIONAL LOT 3 GRADING.
- SEE SHEET C5.1 FOR STORM SEWER PLAN.
- SEE SHEET C8 FOR EROSION CONTROL.

EXISTING	LEGEND	PROPOSED
---	PROPERTY LINE	---
---	PAVEMENT	---
---	CONTOUR	39
---	TOP OF PVMT ELEV	TP38.40
---	TOP OF CURB ELEV	TC38.25
---	GUTTER ELEV	G37.75
---	RIDGE	---
---	SWALE	---
---	FLOW ARROW	---
---	STORM SEWER	---



NO.	DATE	APP.
11/06/17		
RECORD DRAWINGS		

VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-278-2948
TX Registration # F-12266

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DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
Dallas, TX 75254

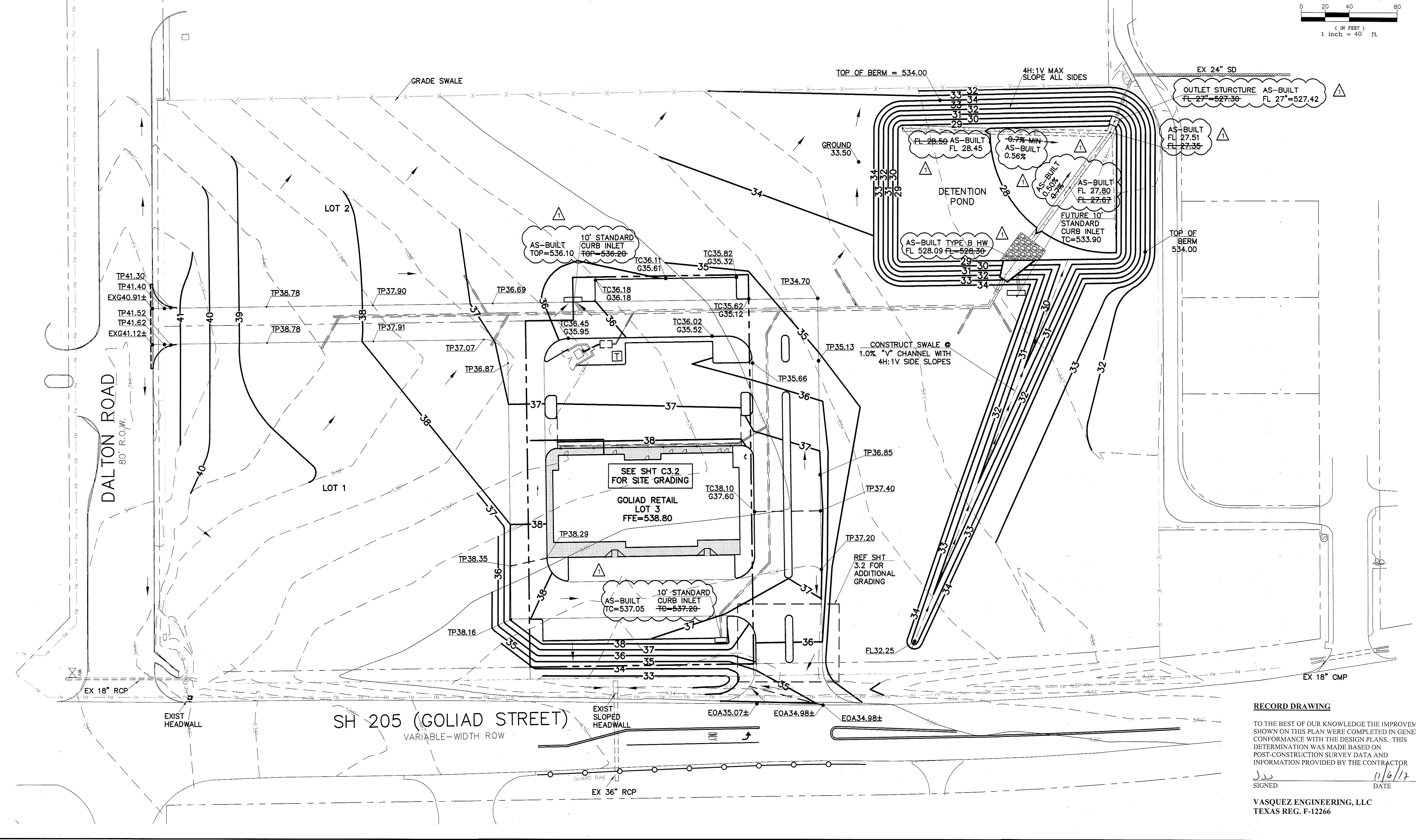
SITE GRADING PLAN
DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

RECORD DRAWING
TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

SIGNED: *JJV* DATE: 11/6/17

Scale: 1" = 40'
Designed by: JJV
Drawn by: JJV
Checked by: JJV
813-919wgc3 GRADING PLAN.dwg
Date: 06/21/2016

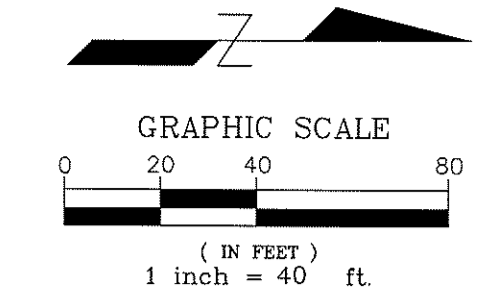
SHEET
C3.1



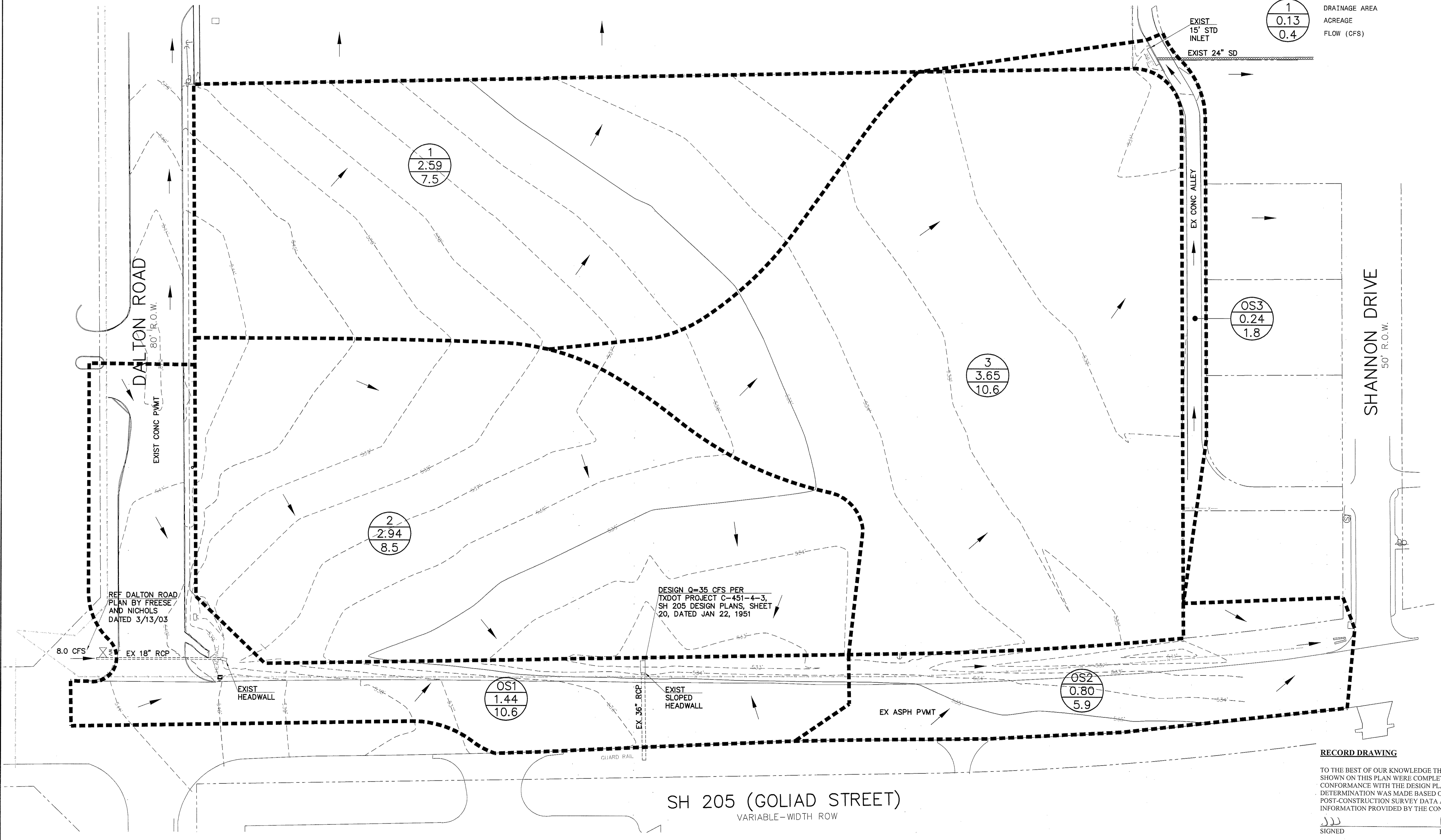
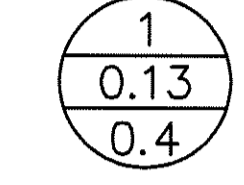
EXISTING STORM WATER RUNOFF DATA						
DRAINAGE AREA	AREA (Acres)	C	Tc (Min)	I100 (in/hr)	Q100 (cfs)	COMMENT
1	2.59	0.35	20	8.3	7.5	² To Nebbie Williams Elementary School
2	2.91	0.35	20	8.3	8.5	To Exist 36" Culvert
3	3.68	0.35	20	8.3	10.7	To Exist 15' Std Inlet
OS1	1.44	0.75	10	9.8	10.6	To Exist 36" Culvert
OS2	0.80	0.75	10	9.8	5.9	To Exist Culvert Shannon Road
OS3	0.24	0.75	10	9.8	1.8	To Exist 15' Std Inlet

Note: ¹Reference "Harlan Park Phase Two" Plans, Shts 7 and 8, Dated 11/15/94 by Harold L. Evans Consulting Engineer
²Reference "Nebbie Williams Elementary School" Plans, Sht C2.5, Dated 8/17/95 by Glenn Engineering

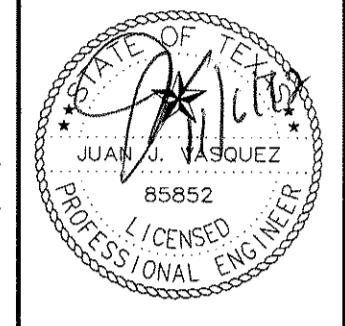
- NOTES:
1. TOPOGRAPHIC SURVEY PREPARED BY PETSER & MANKIN SURVEYING, LLC, DATED 1/14/2016.
 2. SEE SHEET C1 FOR SITE LAYOUT
 3. SEE SHEET C4.4 FOR DETENTION CALCULATIONS.
 4. SEE SHEET C5.1 FOR STORM SEWER PLAN.
 5. SEE SHEET C8 FOR EROSION CONTROL.



- LEGEND
- PROPERTY LINE
 - PAVEMENT CURB/GUTTER
 - EXIST. CONTOUR
 - PROP. CONTOUR
 - FLOW ARROW
 - DRAINAGE DIVIDE (PROP)
 - DRAINAGE AREA ACREAGE FLOW (CFS)



THE SEAL APPEARING ON THIS PLAN IS THE PROPERTY OF JUAN J. VASQUEZ, P.E. 85852, ON 04/28/2016



DEVELOPER:
 ROCKWALL 205-552, LLC
 1408 QUORUM DRIVE
 SUITE 160
 Dallas, TX 75254

EXISTING DRAINAGE AREA MAP
 DALTON GOLIAD ADDITION
 CITY OF ROCKWALL, TEXAS

Scale: 1" = 40'
 Designed by: JJV
 Drawn by: JJV
 Checked by: JJV
 813-0100924 DVM.org
 Date: 06/21/2016

RECORD DRAWING
 TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR
 SIGNED: [Signature] DATE: 6/12
 VASQUEZ ENGINEERING, LLC
 TEXAS REG. F-12266

SHEET
C4.1

NO.	DATE	RECORD DRAWINGS	APP.
1	11/06/17		

VASQUEZ ENGINEERING, L.L.C.
 1919 S. Shiloh Road
 Suite 440, LB 44
 Garland, Texas 75042
 Ph: 972-278-2948
 TX Registration # F-12266

PROPOSED STORM WATER RUNOFF DATA						
DRAINAGE AREA	AREA (Acres)	C	Tc (Min)	I100 (in/hr)	Q100 (cfs)	COMMENT
1	0.84	0.90	10	9.80	7.41	Detention Pond
2	1.27	0.90	10	9.80	11.20	10' Std Curb Inlet
3	0.38	0.90	10	9.80	3.35	To Detention Pond
4	0.23	0.90	10	9.80	2.03	Future Building
5	0.28	0.90	10	9.80	2.47	Future Building
6	0.29	0.90	10	9.80	2.56	10' Std Curb Inlet
7	1.05	0.90	10	9.80	9.26	10' Std Curb Inlet
8	0.43	0.90	10	9.80	3.79	10' Std Curb Inlet
9	0.28	0.90	10	9.80	2.47	Future Building
10	0.44	0.90	10	9.80	3.88	18" RCP Lateral
11	Not used					
12	0.28	0.90	10	9.80	2.47	To West to Nebbie Williams School
13	0.08	0.90	10	9.80	0.71	Dalton Road channel West
14	0.47	0.90	10	9.80	4.15	10' Std Curb Inlet
15	0.35	0.90	10	9.80	3.09	SH 205 North channel to Ex Inlet
16	Not used					
17	0.19	0.90	10	9.80	1.68	To Ex 15' Std Curb Inlet Via Alley
18	0.04	0.90	10	9.80	0.35	Future Building
19	0.23	0.90	10	9.80	2.03	Future Building
20	0.25	0.90	10	9.80	2.21	Future Building
21	0.16	0.90	10	9.80	1.41	10' Std Curb Inlet
22	0.85	0.90	10	9.80	7.50	Future Building
23	0.78	0.90	10	9.80	6.88	Future Building
OS1	1.44	0.75	10	9.80	10.58	To Exist 36" Culvert
OS2	0.80	0.75	10	9.80	5.9	To Exist Culvert Shannon Road
OS3	0.24	0.75	10	9.80	1.76	To Exist 15' Std Inlet

Reference "Ald Food Store" Plans, Sht C-7, Dated 5/2/2016 by Burger Engineering
 Reference "Nebbie Williams Elementary School" Plans, Sht C2-5, Dated 8/17/95 by Glenn Engineering

DRAINAGE NOTES:

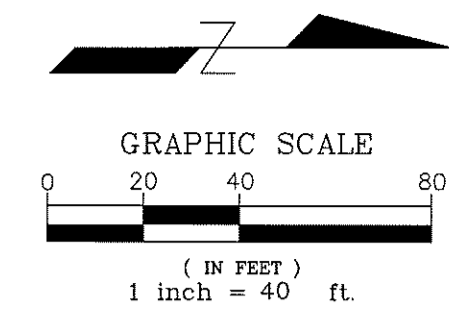
- PROPOSED AREA 12 FLOWS TO NEBBIE WILLIAMS SCHOOL TO THE WEST. THE DESIGN PLANS FOR NEBBIE WILLIAMS SHOW A DESIGN FOR RUNOFF OF 18.50 CFS FROM THIS TRACT. THE PROPOSED RUNOFF IS 2.5 CFS. REFERENCE SHEET 02.5 PREPARED BY SHW GROUP, INC DATED 08/17/1995.
- PROPOSED AREAS 20 AND 15 FLOW TO AN EXISTING 36" RCP. THE EXISTING FLOW TO THIS CULVERT IS 27.2 CFS AND THE PROPOSED FLOW IS 20.9 CFS. THE DESIGN FLOW FOR THE PIPE IS 35 CFS PER THE TxDOT DESIGN PLANS.

NOTES:

- TOPOGRAPHIC SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC, DATED 1/14/2016.
- SEE SHEET C1 FOR SITE LAYOUT
- SEE SHEET C4.4 FOR DETENTION CALCULATIONS.
- SEE SHEET C5.1 FOR STORM SEWER PLAN.
- SEE SHEET C8 FOR EROSION CONTROL.

NOTE:

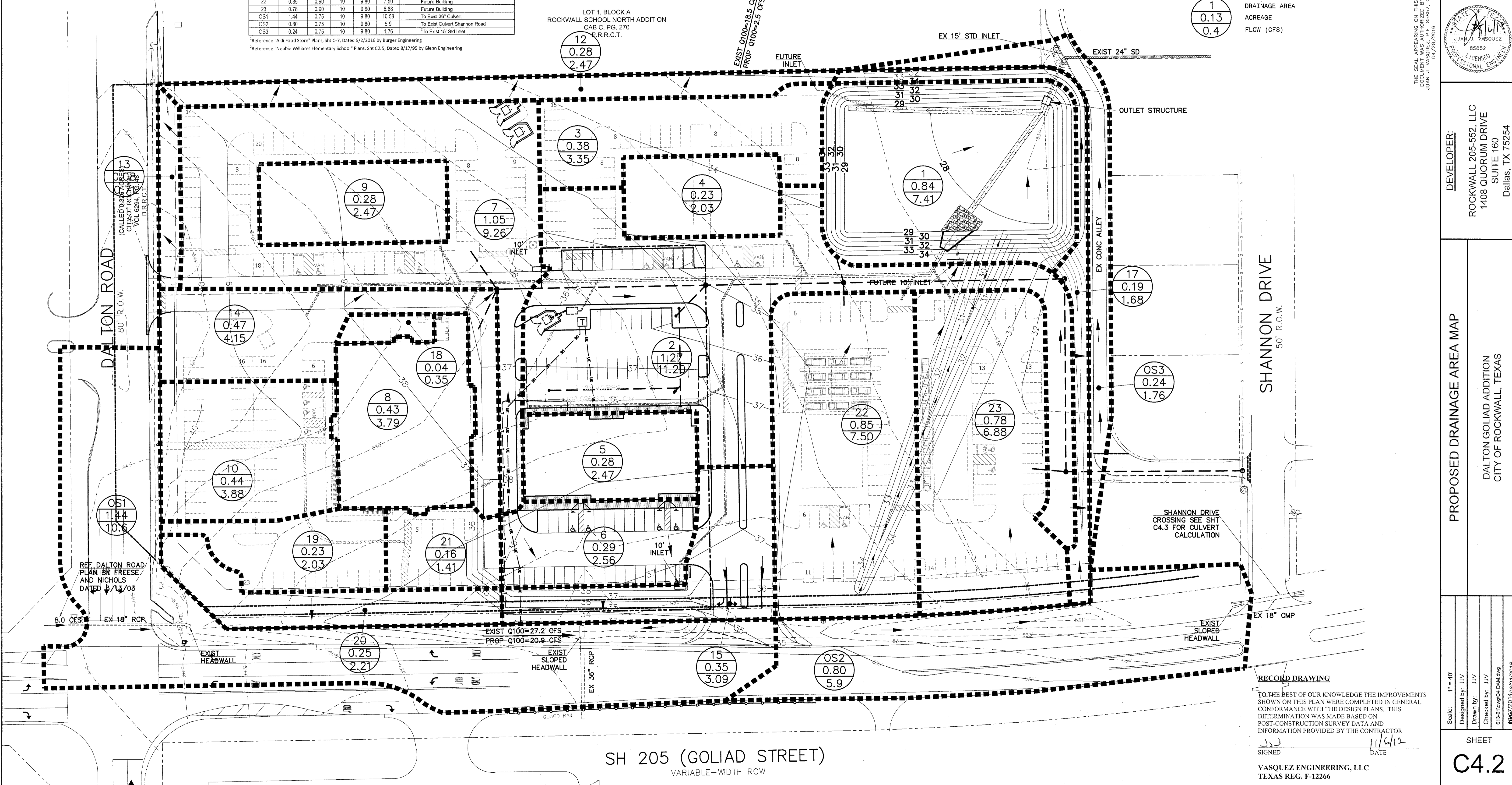
DISCHARGE FOR 100 YR STORM = 19.76 CFS PER HARLAN PARK PHASE TWO SHEETS 7 AND 8 OR 9, DATED 11/16/94. REFERENCE SHEETS C4.4 FOR FLOW CALCULATIONS.



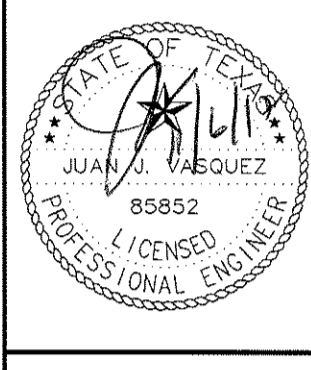
LEGEND

---	PROPERTY LINE
---	PAVEMENT CURB/GUTTER
---	EXIST. CONTOUR
---	PROP. CONTOUR
→	FLOW ARROW
---	DRAINAGE DIVIDE (PROP)
○	DRAINAGE AREA
○	ACREAGE
○	FLOW (CFS)

AREA 13 REMOVED FROM AREA A2 AND ADDED TO AREA A3 IN DESIGN BY FREESE AND NICHOLS PER DALTON ROAD RECONSTRUCTION PLANS, "DRAINAGE AREA MAP", SHEET 14, DATED 4/5/2002. DESIGN Q100 TO THE 15' SAG INLET IS 25.20 CFS AND INCREASES TO 25.91 CFS. THE INLET CAN ACCEPT 30 CFS AND IS ADEQUATE.



VASQUEZ ENGINEERING, L.L.C.
 1919 S. Shiloh Road
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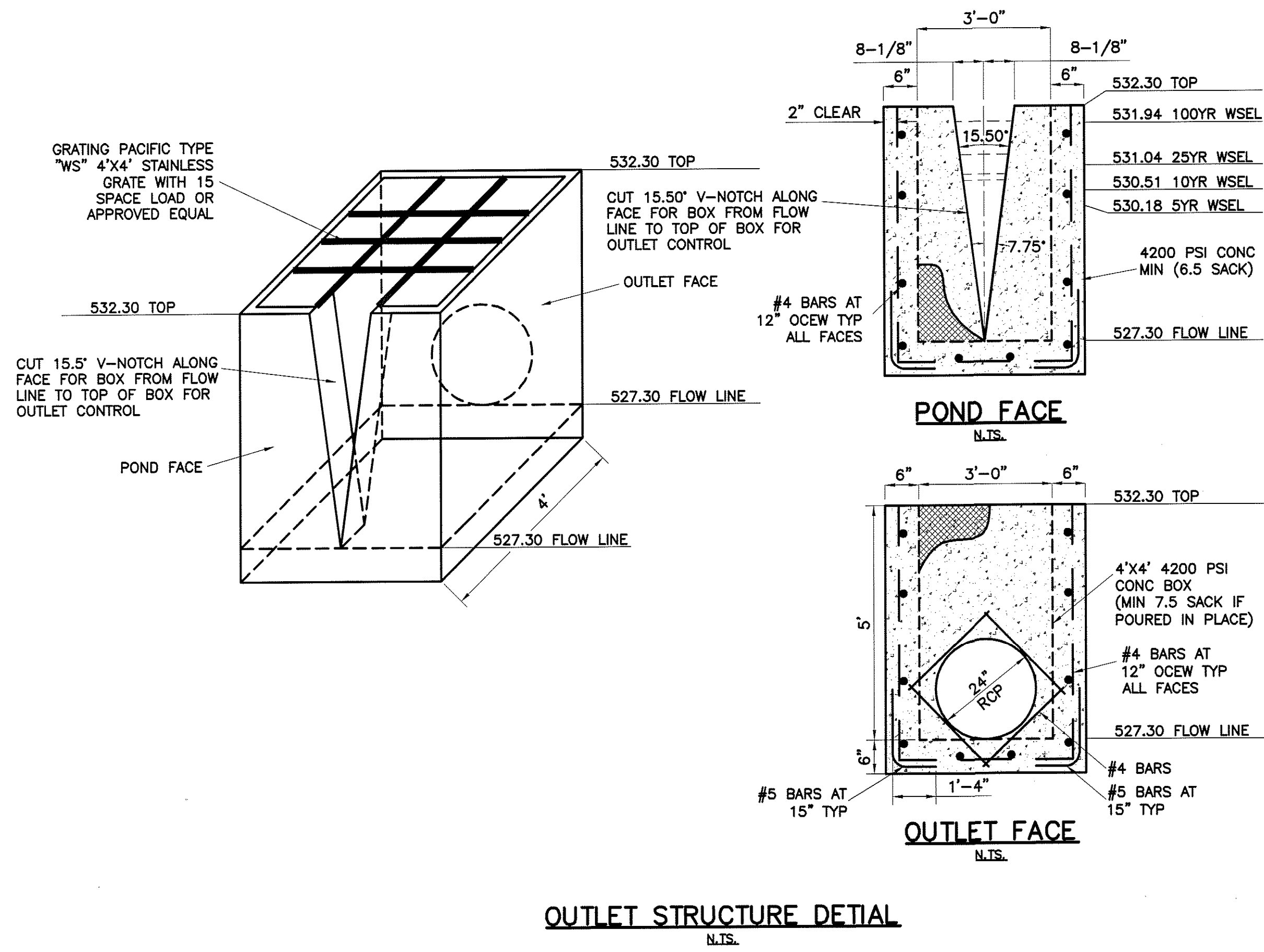
PROPOSED DRAINAGE AREA MAP
 DALTON GOLIAD ADDITION
 CITY OF ROCKWALL, TEXAS

Scale: 1" = 40'
 Designed by: JUV
 Drawn by: JUV
 Checked by: JUV
 6/13/2016
 8/6/2016

SHEET
C4.2

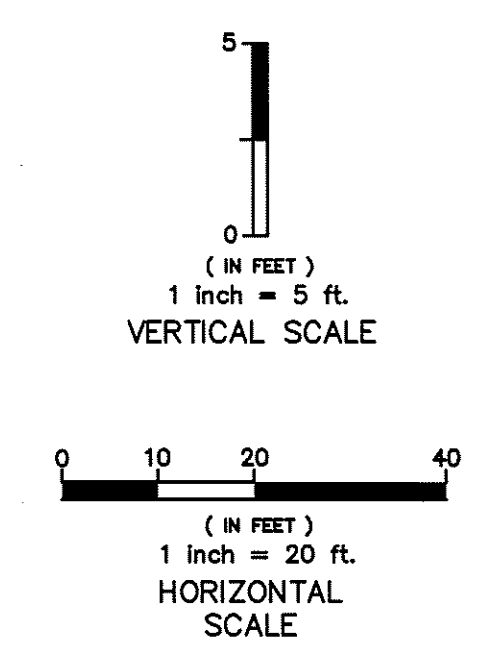
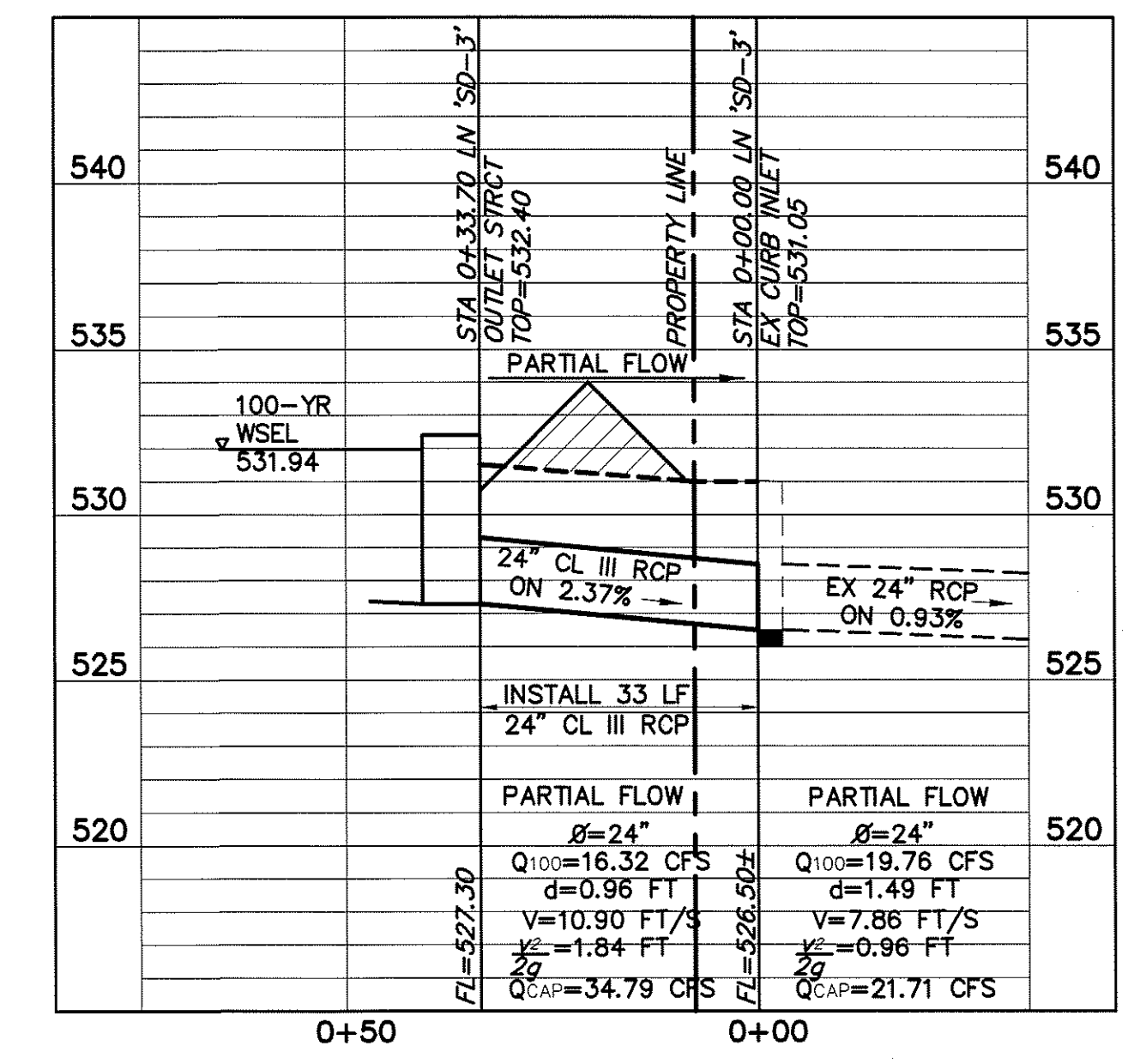
RECORD DRAWING
 TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

SIGNED: [Signature] DATE: 11/6/12
 VASQUEZ ENGINEERING, LLC
 TEXAS REG. F-12266



BENCHMARK:
MONUMENT 179.7' WEST OF WEST EDGE OF SH 205 PAVEMENT AND 6.8' NORTH OF BACK OF CURB DALTON ROAD. ELEVATION = 541.57'

- NOTES:**
- EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC DATED 1/14/2016.
 - SEE SHEETS C3.1 & C3.2 FOR GRADING AND DRAINAGE DESIGN.



NOTE: EXISTING 24" RCP DESIGN AND DATA PER "HARLAN PARK PHASE TWO", SHEETS 7 AND 8, BY HAROLD L. EVANS, DATED 11/16/1994. REFER TO INFORMATIONAL SHEETS IN THESE PLANS. DESIGN Q₁₀₀=19.76 PER THOSE PLANS.

NOTE: DESIGN OF EXISTING 24" RCP DOWNSTREAM OF DETENTION OUTLET WAS ORIGINALLY DESIGNED FOR 19.76 CFS TO INCLUDE 2.52 ACRES OF DEVELOPED LAND. THE PROPOSED TOTAL ENTERING THE PIPE FROM THE DETENTION AREA IS 16.32 CFS. FLOW FROM AREA OS3 ENTERS THE EX 15" INLET AND PROVIDES 1.76 CFS. AREA 17 BYPASSES THE DETENTION POND AND PROVIDES 1.68 CFS OF FLOW. THUS THE PROPOSED FLOW ENTERING THE EX 24" RCP IS 16.32+1.76+1.68 CFS OR 19.76 CFS. THE REFERENCE HARLAN PARK PHASE TWO RECORD DRAWINGS BY HAROLD L. EVANS, P.E., JANUARY 1995. SEE SHEET 7, "DRAINAGE AREA MAP", AND SHEET 8, "STORM SEWER PLAN" ATTACHED TO PLANS FOR INFORMATION PURPOSES.

5-YR STORM EVENT

A. TOTAL AREA DRAINING TO POND = 8.22 AC (DA 1-10, 14, 17-19, 21-23)
B. TOTAL BYPASS AROUND POND = 0.19 (DA 17)
C. ALLOWABLE DISCHARGE FROM POND = (8.22)(0.35)(4.90) = 14.10 CFS
D. PROPOSED BYPASS AROUND POND = C_A = 0.90(6.1)(0.19) = 1.04 CFS
E. EXISTING BYPASS AROUND POND = C_A = 0.35(4.9)(0) = 0 CFS
F. DESIGN DISCHARGE FROM POND C-(D-E) = 14.10 - (1.04-0) = 13.06 CFS

Area, acres	8.22		
Present Conditions		Proposed Conditions	
C	0.35	C	0.90
Tc	20.00	Tc	10.00
i(5)	4.90	i(5)	6.10
Q(5)	14.10	Q(5)	45.13
Q(release)	13.06		

Time	Proposed Intensities			Tc	Intensity
	Inflow	Outflow	Storage (cf)		
10	27077	7836	19241	10	6.10
20	43500	11754	31746	20	4.90
30	54597	15672	38925	30	4.10
40	60368	19590	40778	40	3.40
50	62143	23508	38635	50	2.80
60	69245	27426	41819	60	2.60
70	74572	31344	43228	70	2.40
80	81674	35262	46412	80	2.30
90	83893	39180	44713	90	2.10
100	84337	43098	41239	100	1.90
120	74572	50934	23638	120	1.40

10-YR STORM EVENT

A. TOTAL AREA DRAINING TO POND = 8.22 AC (DA 1-10, 14, 17-19, 21-23)
B. TOTAL BYPASS AROUND POND = 0.19 (DA 17)
C. ALLOWABLE DISCHARGE FROM POND = (8.22)(.35)(5.90) = 16.97 CFS
D. PROPOSED BYPASS AROUND POND = C_A = 0.90(7.1)(0.19) = 1.21 CFS
E. EXISTING BYPASS AROUND POND = C_A = 0.35(5.9)(0) = 0 CFS
F. DESIGN DISCHARGE FROM POND C-(D-E) = 16.97 - (1.21-0) = 15.76 CFS

Area, acres	8.22		
Present Conditions		Proposed Conditions	
C	0.35	C	0.90
Tc	20.00	Tc	10.00
i(10)	5.90	i(10)	7.10
Q(10)	16.97	Q(10)	52.53
Q(release)	15.76		

Time	Proposed Intensities			Tc	Intensity
	Inflow	Outflow	Storage (cf)		
10	31515	9456	22059	10	7.10
20	52378	14184	38194	20	5.90
30	63919	18912	45007	30	4.80
40	71021	23640	47381	40	4.00
50	77679	28368	49311	50	3.50
60	79888	33096	46902	60	3.00
70	87000	37824	49176	70	2.80
80	92327	42552	49775	80	2.60
90	98673	47280	52593	90	2.50
100	106531	52008	54523	100	2.40
120	85225	61464	23761	120	1.60

25-YR STORM EVENT

A. TOTAL AREA DRAINING TO POND = 8.22 AC (DA 1-10, 14, 17-19, 21-23)
B. TOTAL BYPASS AROUND POND = 0.19 (DA 17)
C. ALLOWABLE DISCHARGE FROM POND = 17.42 CFS (2)
D. PROPOSED BYPASS AROUND POND = C_A = 0.90(8.3)(0.19) = 1.42 CFS
E. EXISTING BYPASS AROUND POND = C_A = 0.35(6.6)(0) = 0 CFS
F. DESIGN DISCHARGE FROM POND C-(D-E) = 17.42 - (1.42-0) = 16.00 CFS

Area, acres	8.22		
Present Conditions		Proposed Conditions	
C	0.35	C	0.90
Tc	20.00	Tc	10.00
i(25)	6.60	i(25)	8.30
Q(25)	18.99	Q(25)	61.40
Q(release)	16.00		

Time	Proposed Intensities			Tc	Intensity
	Inflow	Outflow	Storage (cf)		
10	36842	9600	27242	10	8.30
20	58592	14400	44192	20	6.60
30	73240	19200	54040	30	5.50
40	81674	24000	57674	40	4.60
50	87775	28800	59675	50	4.00
60	93215	33600	59615	60	3.50
70	102536	38400	64136	70	3.30
80	110692	43200	66892	80	3.10
90	115853	48000	67853	90	2.90
100	119848	52800	67048	100	2.70
120	101205	62400	38805	120	1.90

100-YR STORM EVENT

A. TOTAL AREA DRAINING TO POND = 8.22 AC (DA 1-10, 14, 17-19, 21-23)
B. TOTAL BYPASS AROUND POND = 0.19 (DA 17)
C. ALLOWABLE DISCHARGE FROM POND = 18.00 CFS (1)
D. PROPOSED BYPASS AROUND POND = C_A = 0.90(9.6)(0.19) = 1.68 CFS
E. EXISTING BYPASS AROUND POND = C_A = 0.35(8.3)(0) = 0 CFS
F. DESIGN DISCHARGE FROM POND C-(D-E) = 18.00 - (1.68-0) = 16.32 CFS

Area, acres	8.22		
Present Conditions		Proposed Conditions	
C	0.35	C	0.90
Tc	20.00	Tc	10.00
i(100)	8.30	i(100)	9.60
Q(100)	23.88	Q(100)	72.50
Q(release)	16.32		

Time	Proposed Intensities			Tc	Intensity
	Inflow	Outflow	Storage (cf)		
10	43500	9792	33708	10	9.60
20	73694	14688	58986	20	8.30
30	91893	19584	72299	30	6.90
40	102980	24480	78500	40	5.80
50	110970	29376	81594	50	5.00
60	119848	34272	85576	60	4.50
70	124286	39168	85118	70	4.00
80	131388	44064	87324	80	3.70
90	139822	48960	90862	90	3.50
100	146525	53856	92669	100	3.30
120	146480	63648	82832	120	2.75

5-YR DETENTION POND VOLUME (CF)

CONTOUR	AREA (SF)	VOLUME (CF)	MM. VOLUME (CF)	100-YR VOLUME (CF)	100-YR WSEL
533.0	31502	30146	124482		
532.0	28789	27481	94337		
531.0	26173	24916	66856		
530.0	23659	22453	41940	46412	530.18
529.0	21246	15055	19487		
528.0	8864	4432	4432		
527.0	0				

10-YR DETENTION POND VOLUME (CF)

CONTOUR	AREA (SF)	VOLUME (CF)	MM. VOLUME (CF)	100-YR VOLUME (CF)	100-YR WSEL
533.0	31502	30146	124482		
532.0	28789	27481	94337		
531.0	26173	24916	66856		
530.0	23659	22453	41940	54523	530.51
529.0	21246	15055	19487		
528.0	8864	4432	4432		
527.0	0				

25-YR DETENTION POND VOLUME (CF)

CONTOUR	AREA (SF)	VOLUME (CF)	MM. VOLUME (CF)	100-YR VOLUME (CF)	100-YR WSEL
533.0	31502	30146	124482		
532.0	28789	27481	94337		
531.0	26173	24916	66856	67853	531.04
530.0	23659	22453	41940		
529.0	21246	15055	19487		
528.0	8864	4432	4432		
527.0	0				

100-YR DETENTION POND VOLUME (CF)

CONTOUR	AREA (SF)	VOLUME (CF)	MM. VOLUME (CF)	100-YR VOLUME (CF)	100-YR WSEL
533.0	31502	30146	124482		
532.0	28789	27481	94337		
531.0	26173	24916	66856	92669	531.94
530.0	23659	22453	41940		
529.0	21246	15055	19487		
528.0	8864	4432	4432		
527.0	0				

V-NOTCHED WEIR CALCULATION

EVENT	WSEL	FLOW LINE	C	ANGLE	Q CFS
5YEAR	530.18	527.30	0.60	0.271	4.92
10YEAR	530.51	527.30	0.60	0.271	6.45
25YEAR	531.04	527.30	0.60	0.271	9.45
100YEAR	531.94	527.30	0.60	0.271	16.21

Q = 8/15 * C * (2g)^{3/2} * H^{3/2} * TAN(ANGLE/2) * H^{2.5}
ANGLE = 15.5 DEGREES = 0.271 RADIAN
H = WSEL - FLOW LINE

DISCHARGE FROM POND

EVENT	ALLOWABLE DISCHARGE FROM POND (CFS)	ACTUAL DISCHARGE FROM POND (CFS)
5YEAR	13.06	4.92
10YEAR	15.76	6.45
25YEAR	16.00	9.45
100YEAR	16.32	16.21

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

SIGNED: *JJV* DATE: 11/6/17

VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

APP.	
RECORD DRAWINGS	11/06/17
NO.	
DATE	

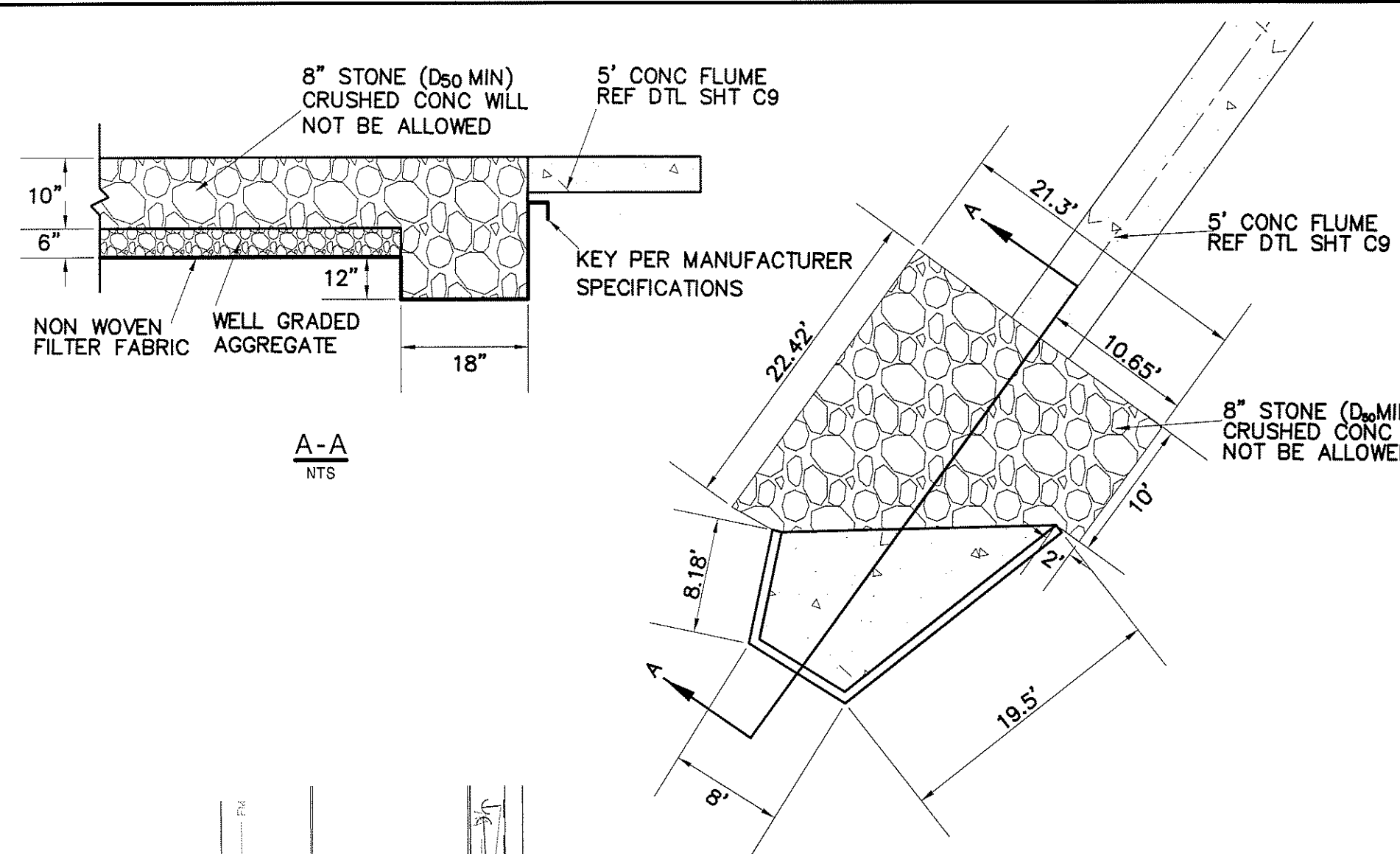
VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-276-2948
TX Registration # F-12266

DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
Dallas, TX 75254

DETENTION CALCULATIONS
DALTON GOLIAH ADDITION
CITY OF ROCKWALL, TEXAS

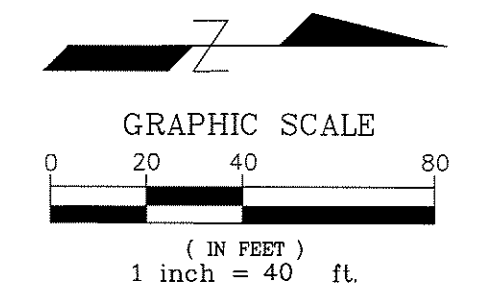
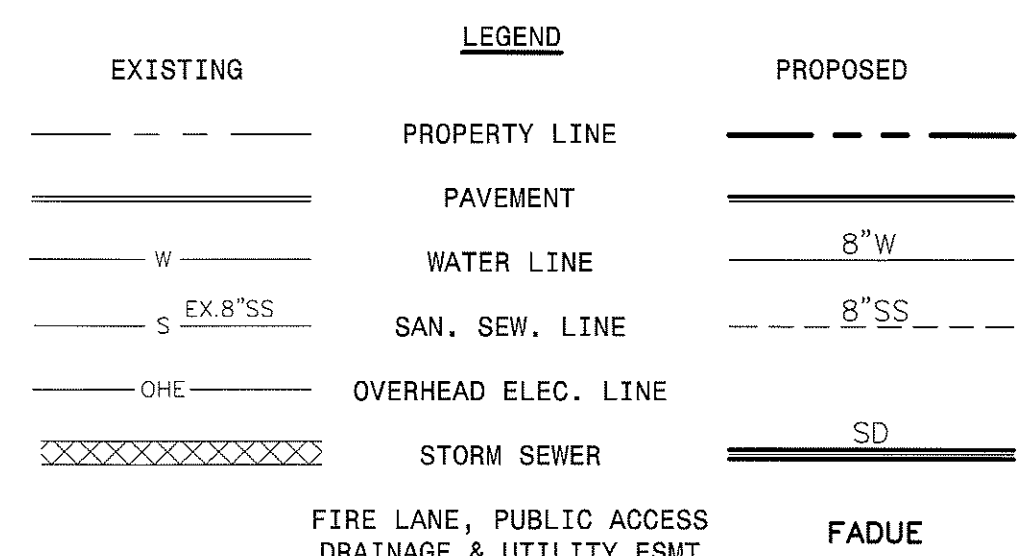
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Designed by: JJV
Drawn by: JJV
Checked by: JJV
6-13-01aimgc1.DETENTION CALCULATIONS.dwg
Date: 06/21/2016

SHEET
C4.4



- STORM SEWER NOTES:**
1. ALL CONSTRUCTION SHALL BE PER THE CITY'S REQUIREMENTS.
 2. ALL STORM SEWER SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED ON THE PLANS.
 4. ALL TRENCHING SHALL BE IN ACCORDANCE WITH THE LATEST OSHA STANDARDS AND SPECIFICATIONS.
 5. ALL CONCRETE PIPE JOINTS SHALL BE SEALED WITH RAUMAPAC OR EQUIVALENT.
 6. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONNECTING TO EXISTING STRUCTURES.
 7. GROUT ALL PIPE CONNECTIONS AT STRUCTURES TO PROVIDE A WATERTIGHT SEAL.
 8. ADJUST ALL UTILITY APPURTENANCES TO FINAL GRADE.
 9. ALL PRIVATE STORM SEWER TO BE MAINTAINED AND REPAIRED BY THE OWNER.
 10. USE 4" JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100 FEET.
 11. CURB INLET, SHALL BE PER CURRENT CITY STANDARDS.
 12. STORM SEWER MANHOLES SHALL BE PER CURRENT CITY STANDARDS.

- BENCHMARK:**
- MONUMENT 179.7' WEST OF WEST EDGE OF SH 205 PAVEMENT AND 6.8' NORTH OF BACK OF CURB DALTON ROAD. ELEVATION = 541.57'
- NOTES:**
1. EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC DATED 1/14/2016.
 2. SEE SHEET C3.1 AND 3.2 FOR GRADING PLAN.
 4. SEE SHEET C5.2 FOR STORM SEWER PROFILES.
 5. SEE SHEET C6 FOR OTHER SITE UTILITIES.
- NOTE:**
- ALL 18" STORM LATERALS TO BE CAPPED AND PLUGGED.



NO.	DATE	APP.
11/06/17		

RECORD DRAWINGS

VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-278-2948
TX Registration # F-12266

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JUAN V. VASQUEZ, P.E. 01/29/2016

DEVELOPER:

ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
Dallas, TX 75254

STORM SEWER PLAN

DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

RECORD DRAWING

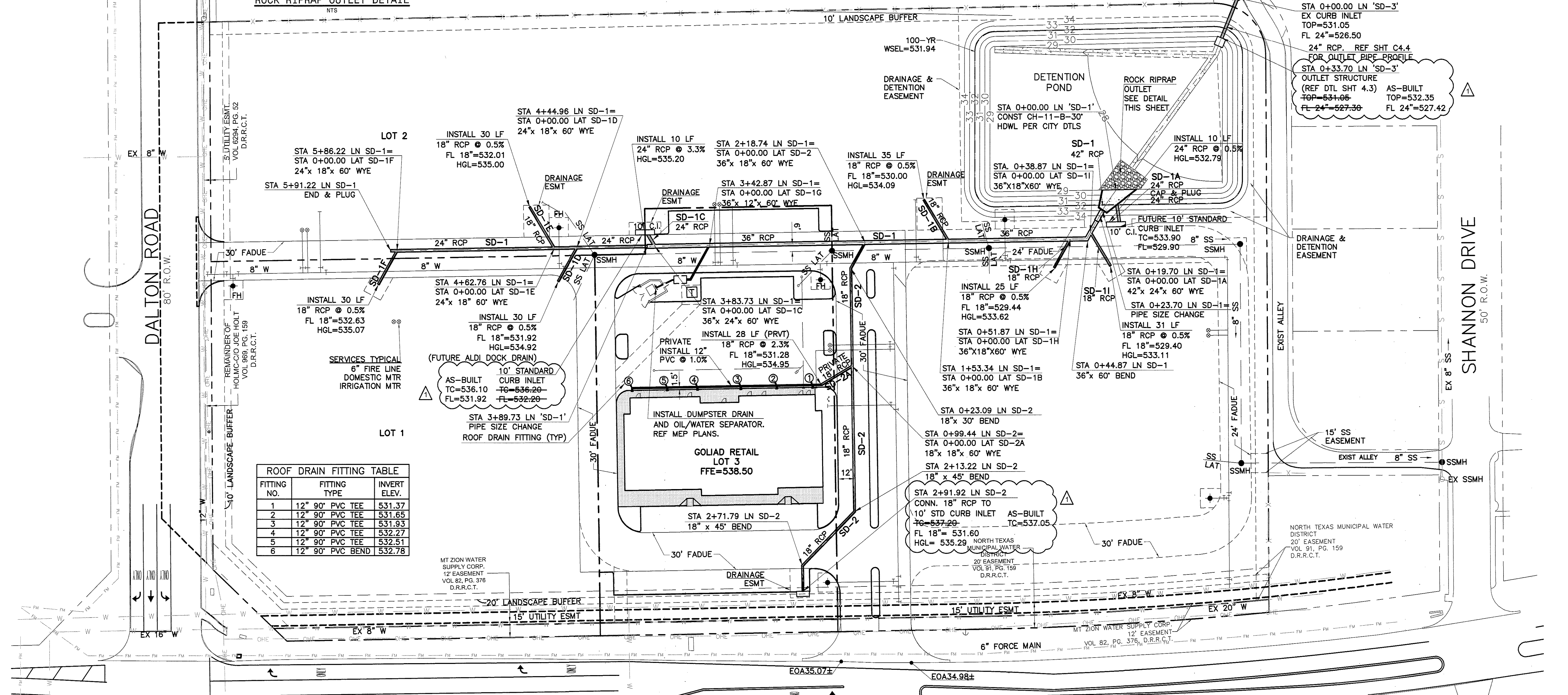
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SIGNED: *[Signature]* DATE: 11/6/17

VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

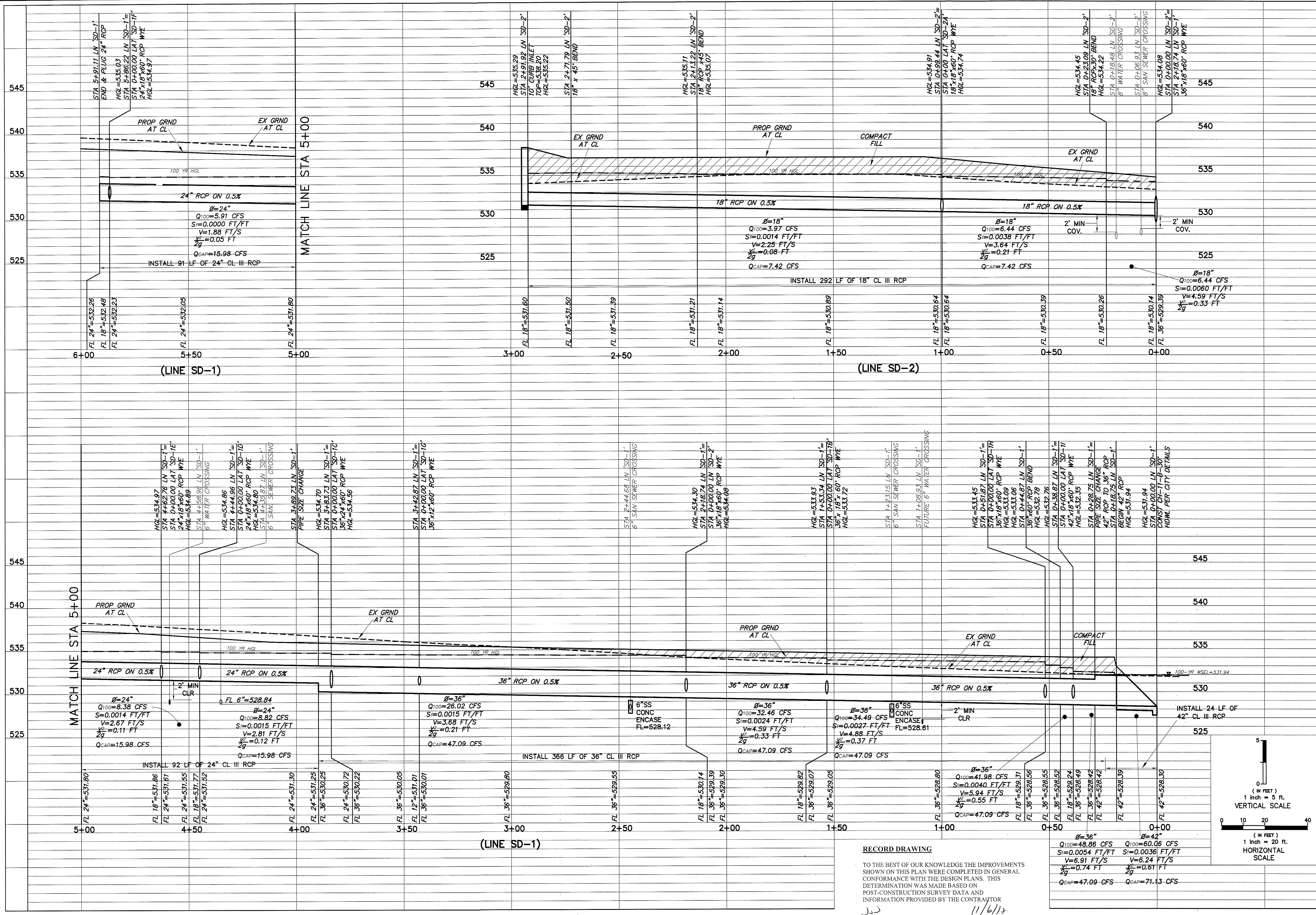
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Designed by: JVV
Drawn by: JVV
Checked by: JVV
913-9174051 STORM SEWER PLAN.dwg
Date: 08/21/2016

SHEET
C5.1



FITTING NO.	FITTING TYPE	INVERT ELEV.
1	12" 90° PVC TEE	531.37
2	12" 90° PVC TEE	531.65
3	12" 90° PVC TEE	531.93
4	12" 90° PVC TEE	532.27
5	12" 90° PVC TEE	532.51
6	12" 90° PVC BEND	532.78

SH 205 (GOLIAD STREET)
VARIABLE-WIDTH ROW



NO.	110617	RECORD DRAWINGS	APP.
DATE			

SEAL

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY
 JUAN P. VASQUEZ, P.E.
 04/25/2016

DEVELOPER:
 ROCKWALL 205-552, LLC
 1408 QUORUM DRIVE
 SUITE 160
 DALLAS, TX 75254

STORM SEWER PROFILES
 DALTON GOLIAD ADDITION
 CITY OF ROCKWALL, TEXAS

Scale: AS NOTED
 Designed by: JJV
 Drawn by: JJV
 Checked by: JJV
 613-5119652.2 STORM SEWER PROFILE.DWG
 Date: 08/21/2016

VASQUEZ ENGINEERING, L.L.C.
 1919 S. Shiloh Road
 Suite 440, LB 44
 Garland, Texas 75042
 Ph: 972-278-2946
 TX Registration # F-12266

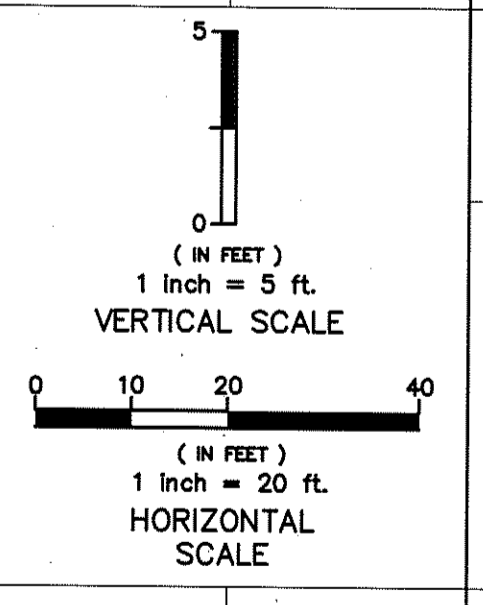
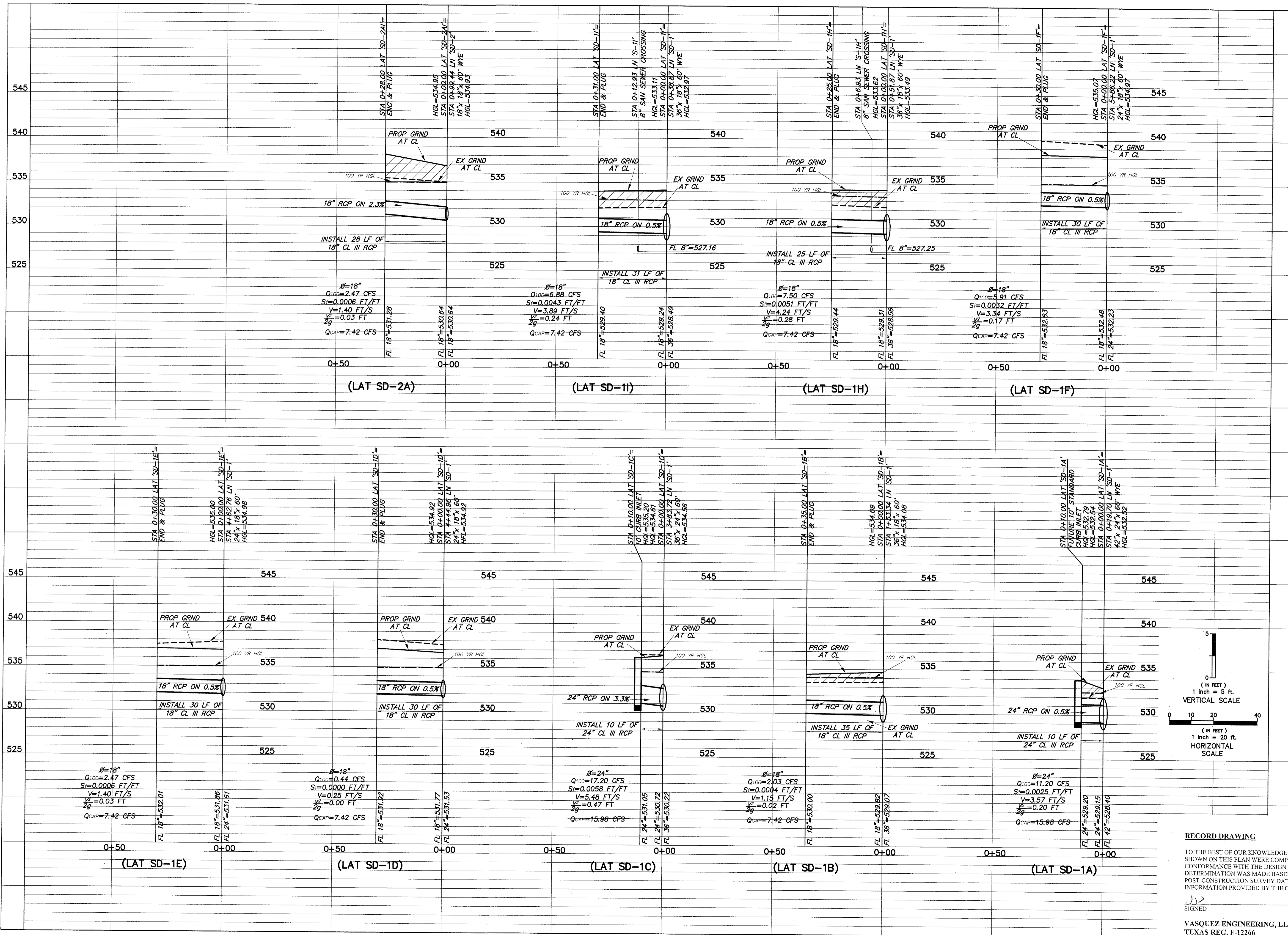
SHEET
C5.2

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR

سید
 SIGNED
 DATE 11/6/13

VASQUEZ ENGINEERING, LLC
 TEXAS REG. F-12266



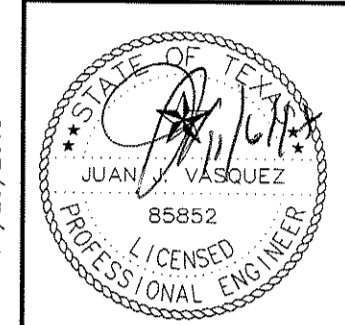
RECORD DRAWING

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SIGNED: *JJV* DATE: 11/6/12

VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

NO.	DATE	RECORD DRAWINGS	APP.
11/06/17			



DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
Dallas, TX 75254

STORM SEWER PROFILES
DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

Scale: AS NOTED
Designed by: JJV
Drawn by: JJV
Checked by: JJV
013-010001-02 STORM SEWER PROFILE.dwg
Date: 06/21/2016

SHEET
C5.3

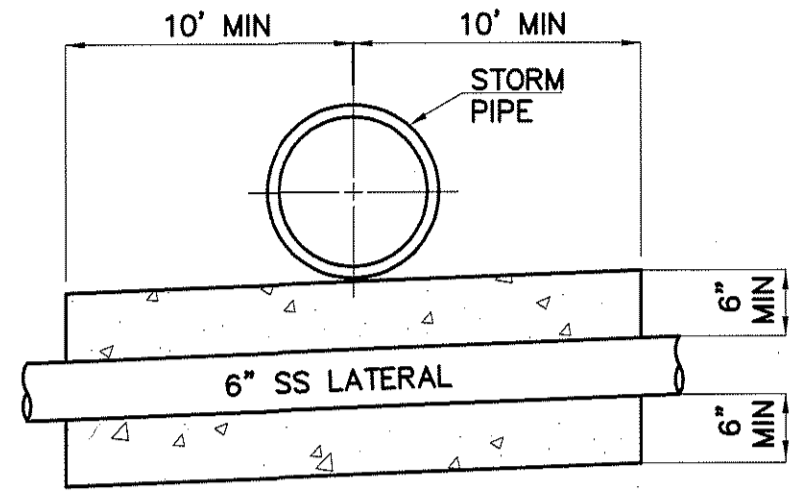
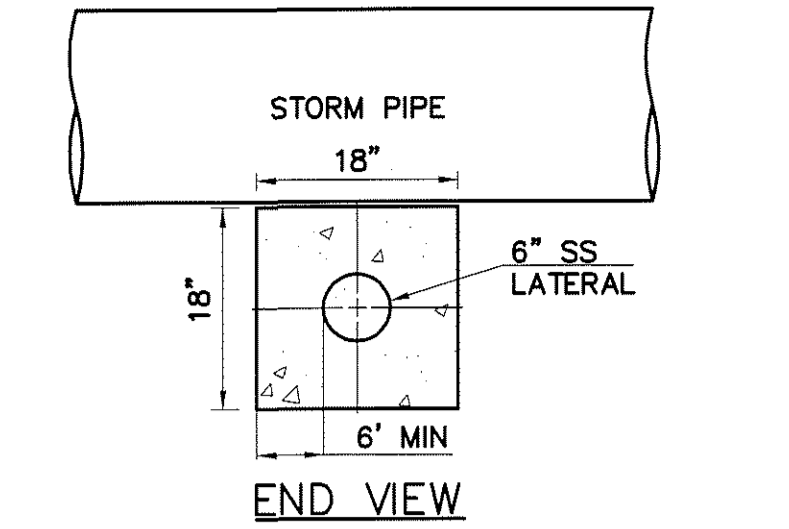
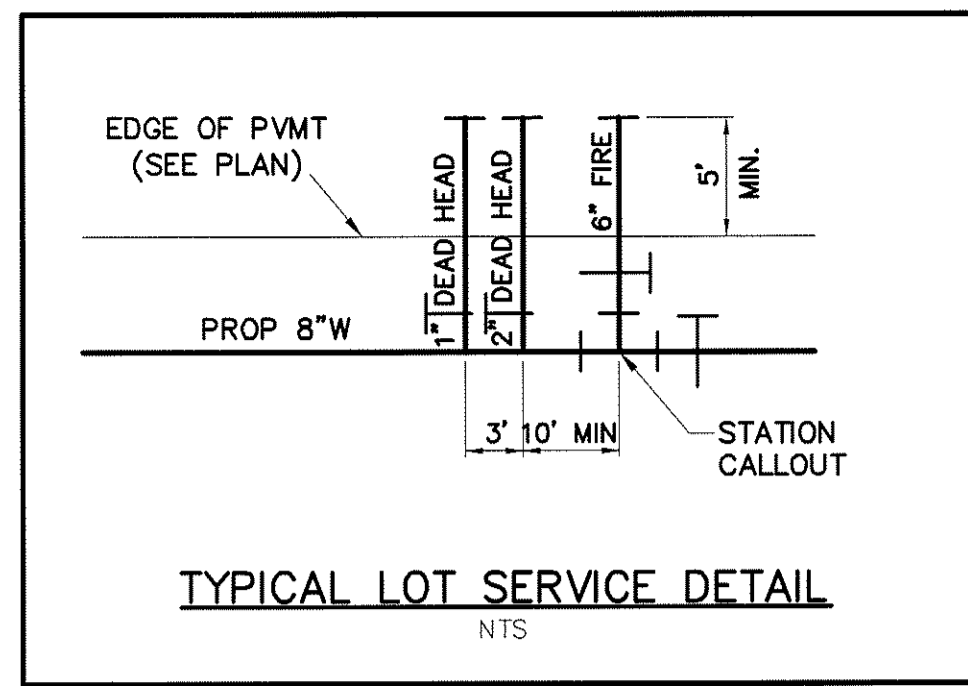
VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-278-2948
TX Registration # F-12266

UTILITY CONTACTS:

FARMERS ELECTRIC COOPERATIVE
FRANK SPATARO
2000 INTERSTATE 30 EAST
GREENVILLE, TX 75402
903-453-0583

ATMOS ENERGY
DINAH WOODS
1310 SH 66
GARLAND, TX 75010
972-465-6277

AT&T
SCOTT ULRICH
2702 WESLEY ST
GREENVILLE, TX 75401
903-457-2303



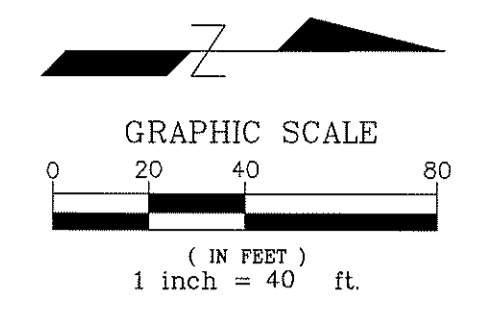
BENCHMARK:

MONUMENT 179.7' WEST OF WEST EDGE
OF SH 205 PAVEMENT AND 6.8' NORTH
OF BACK OF CURB DALTON ROAD.
ELEVATION = 541.57'

NOTES:

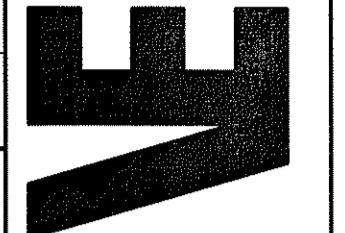
- 1. EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC DATED 1/14/2016.
- 2. SEE SHEET C3 FOR GRADING PLAN.
- 3. SEE SHEET C5 FOR STORM SEWER DESIGN.
- UTILITY NOTES:
 - 1. 8" & 6" WATER DR14 PIPE WILL BE C900 PVC WATER PIPE.
 - 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY'S STANDARDS AND SPECIFICATIONS.
 - 3. CONTRACTOR SHALL COORDINATE ALL CONNECTIONS TO PUBLIC MAINS WITH THE CITY.
 - 4. ALL TRENCHING SHALL BE IN ACCORDANCE WITH LATEST OSHA STANDARDS AND SPECIFICATIONS.
 - 5. CONTRACTOR SHALL CALL FOR UTILITY LOCATES AT LEAST 48 HRS PRIOR TO BEGINNING CONSTRUCTION.
 - 6. CONTRACTOR SHALL ADJUST ALL UTILITY APPURTENANCES TO FINAL GRADE.
 - 7. WATER AND SEWER CROSSINGS SHALL BE PER THE LATEST TCEQ REQUIREMENTS.
 - 8. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UTILITY CONFLICTS AS SOON AS POSSIBLE.
 - 9. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND TESTING WITH THE CITY.
 - 10. ALL MANHOLES TO BE EITHER RAVEN LINED OR HAVE CONSOLIDATED MIXED LIN.
 - 11. CONTRACTOR TO INSTALL TRANSFORMER PAD PER FARMERS ELEC COOPERATIVE STANDARDS. COORDINATE WITH FARMERS.

LEGEND table with columns for EXISTING, PROPOSED, and descriptions: PROPERTY LINE, PAVEMENT, WATER LINE, SAN. SEW. LINE, OVERHEAD ELEC. LINE, STORM SEWER, FIRE LANE, PUBLIC ACCESS DRAINAGE & UTILITY ESMT, FADUE.



RECORD DRAWINGS table with columns: REV NO., DATE, REV ON-SITE UTIL CONNS, DATE, APP.

VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-278-2948
TX Registration # F-12266



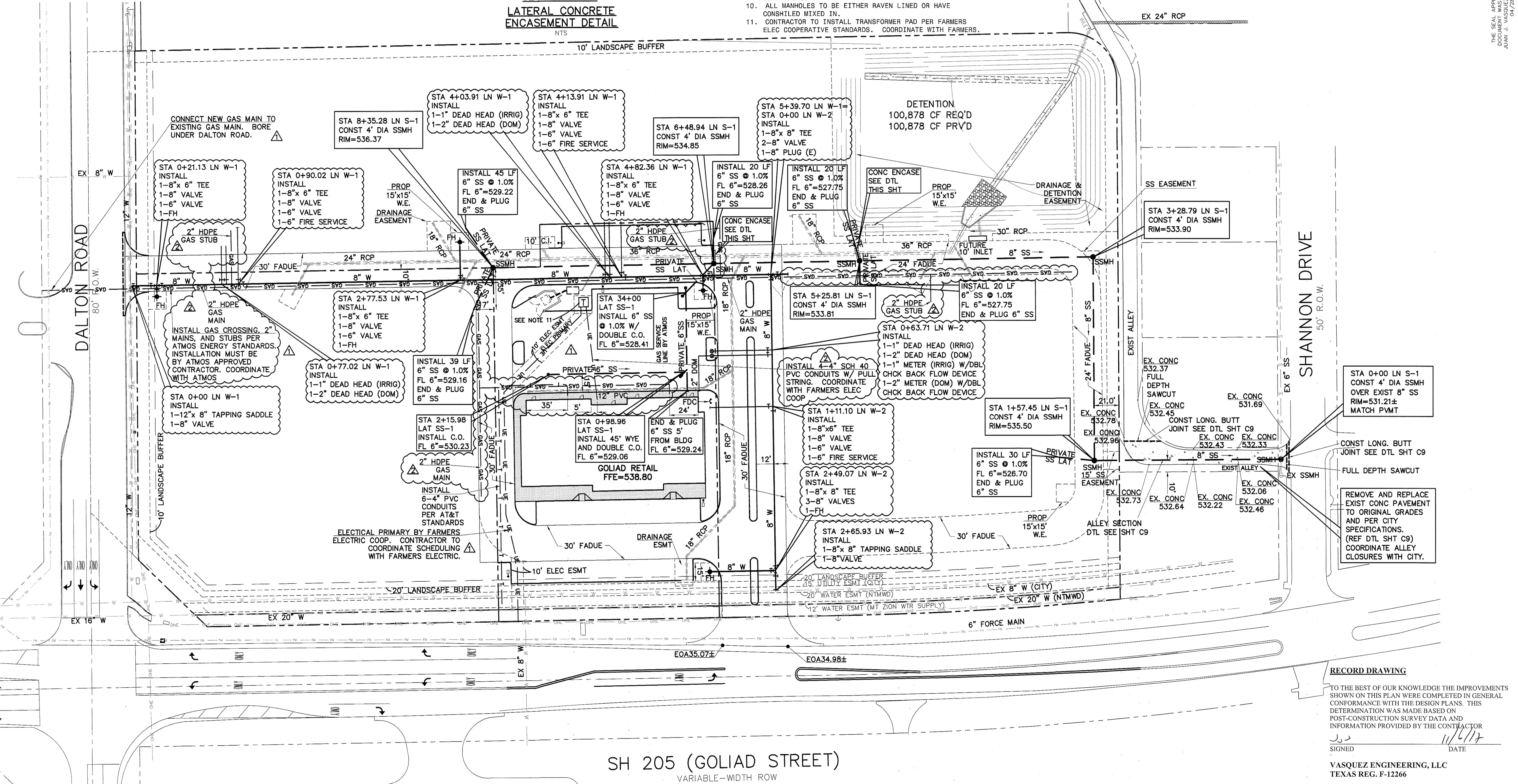
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JUAN J. VASQUEZ, P.E. 85552, ON 04/28/2016

DEVELOPER:
ROCKWALL, 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
Dallas, TX 75254

UTILITY PLAN
DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

Scale: 1" = 40'
Designed by: JUV
Drawn by: JUV
Checked by: JUV
613-01594068 UTILITY PLAN.dwg
Date: 09/01/2016

SHEET
C6



SH 205 (GOLIAD STREET)
VARIABLE-WIDTH ROW

RECORD DRAWING
TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR
SIGNED: [Signature] DATE: 11/16/17
VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

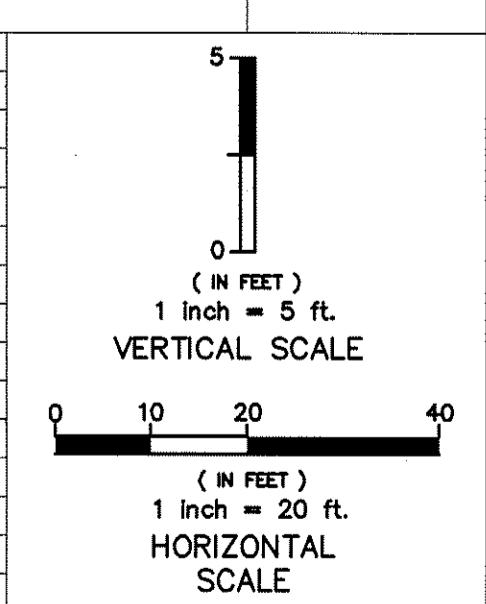


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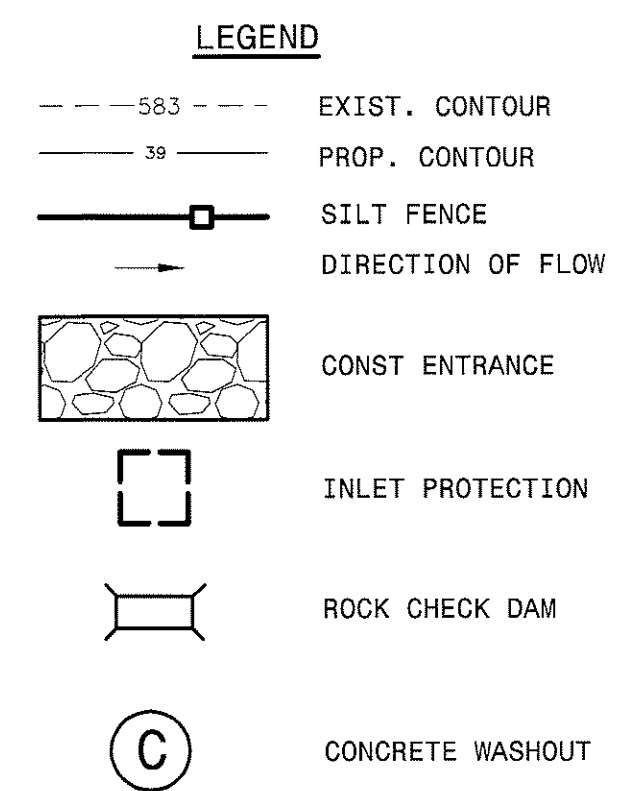
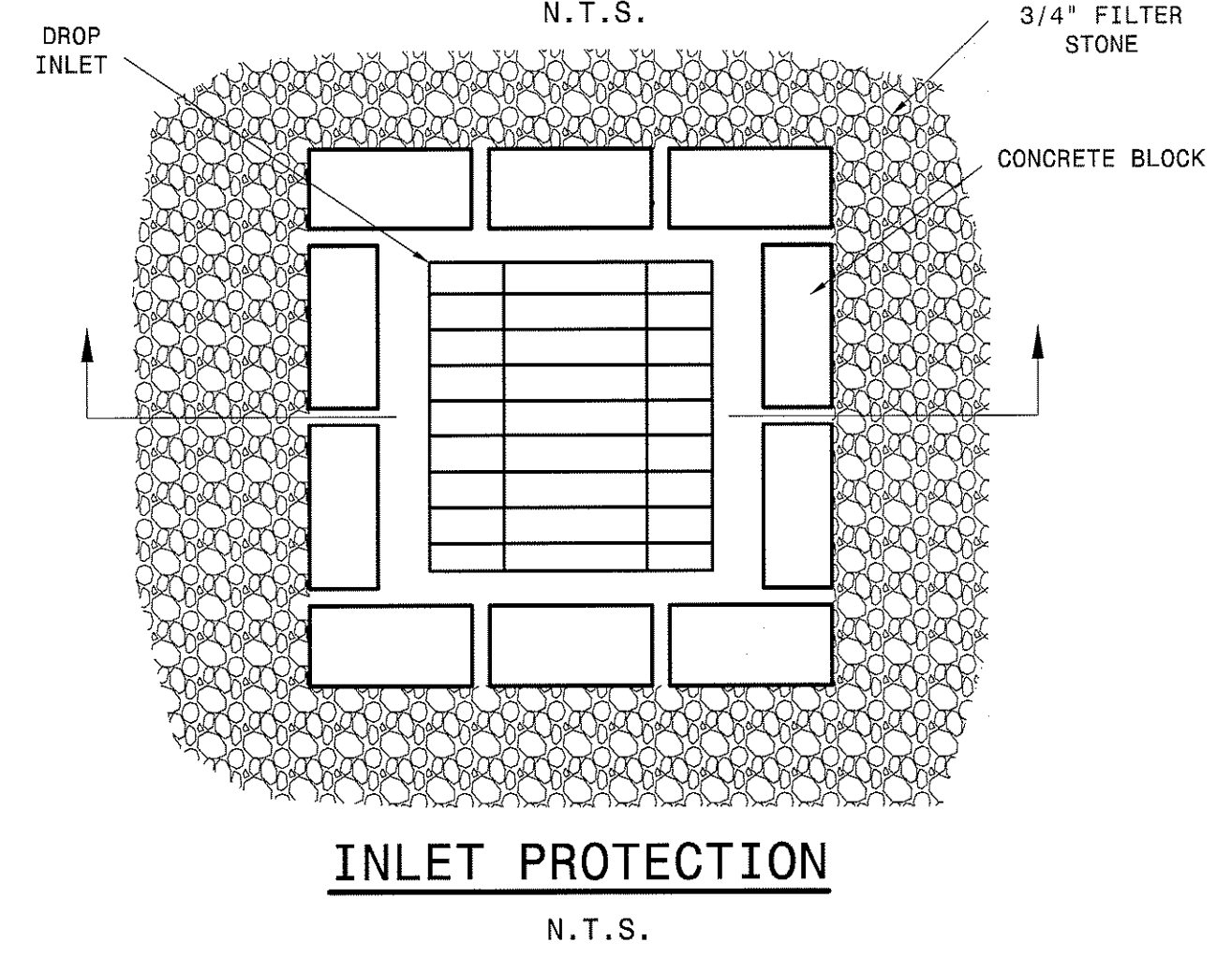
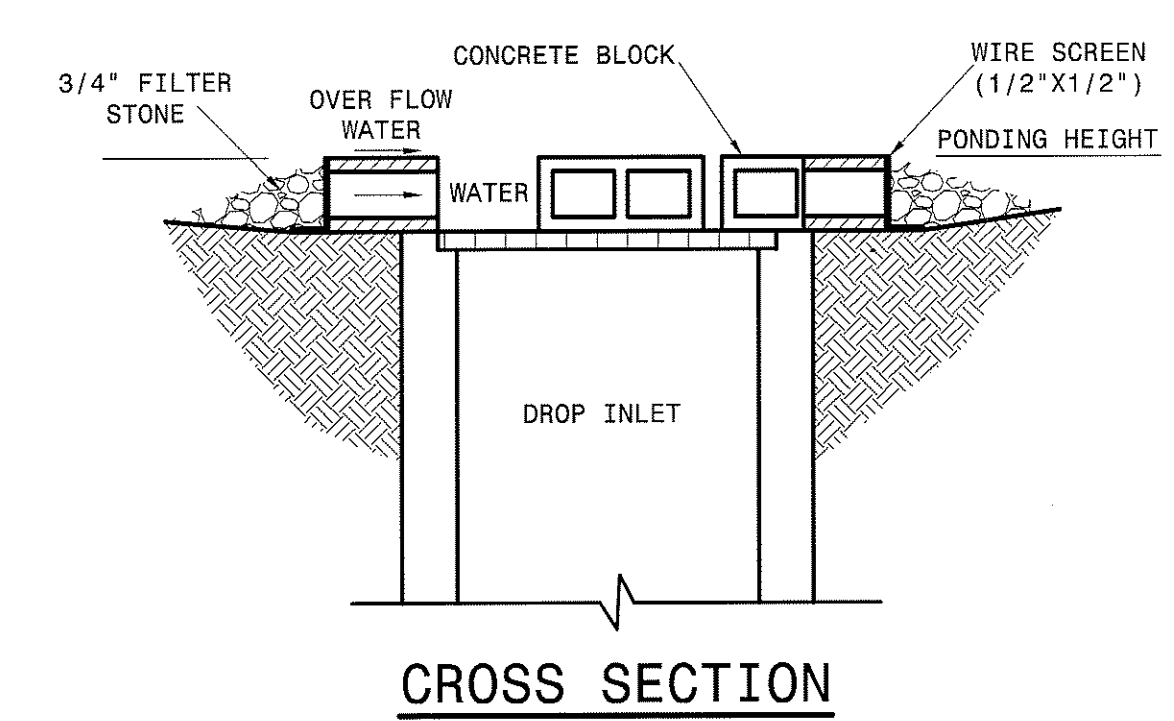
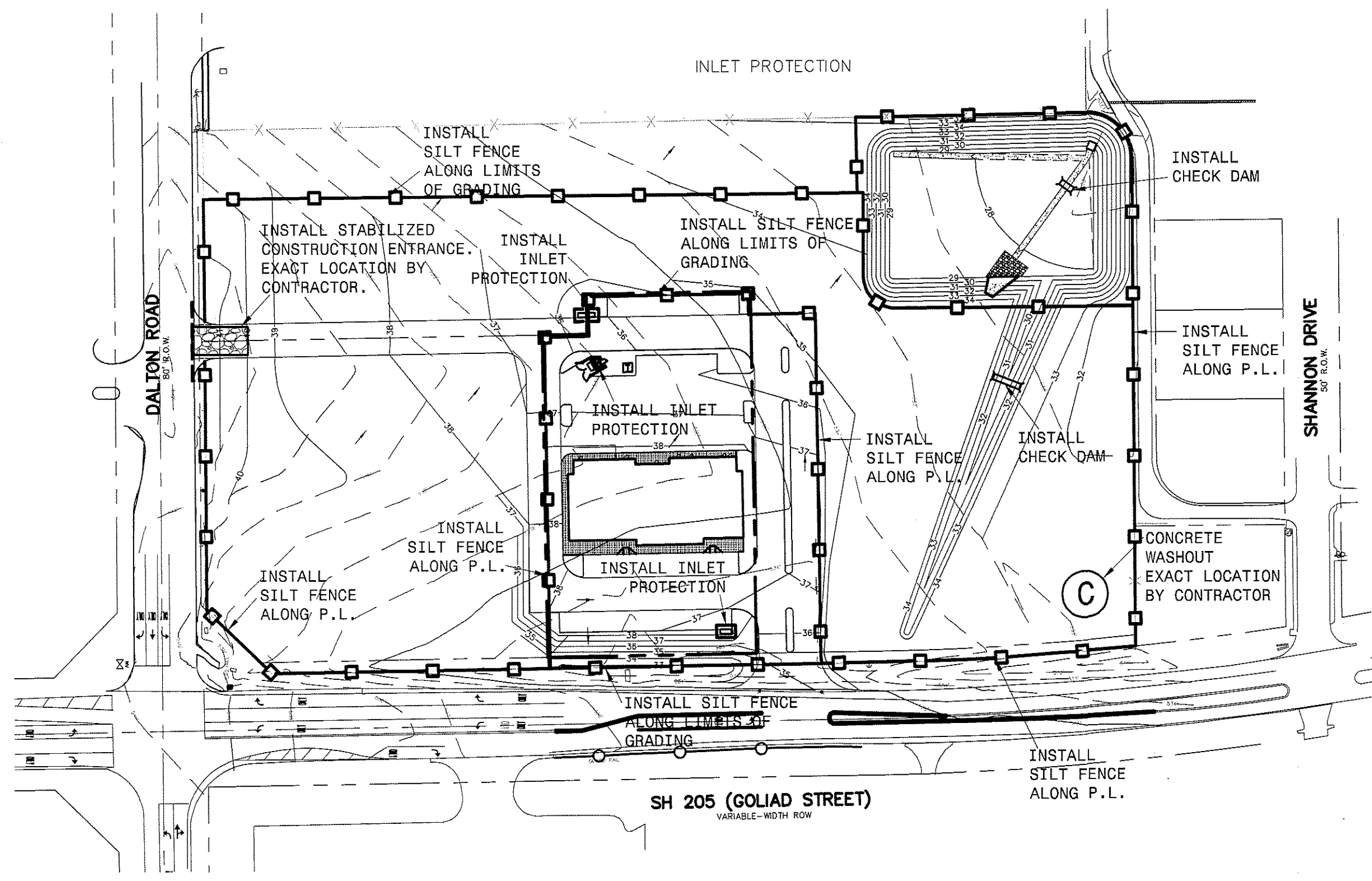
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SIGNED: *[Signature]* DATE: 06/21/2016

VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266



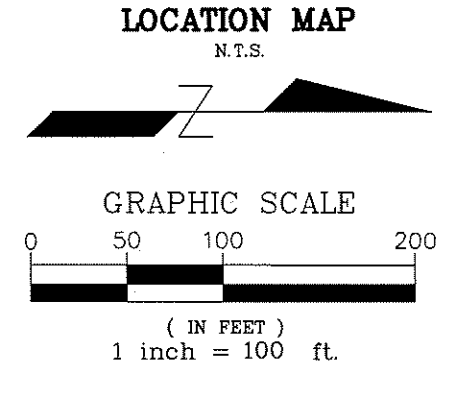
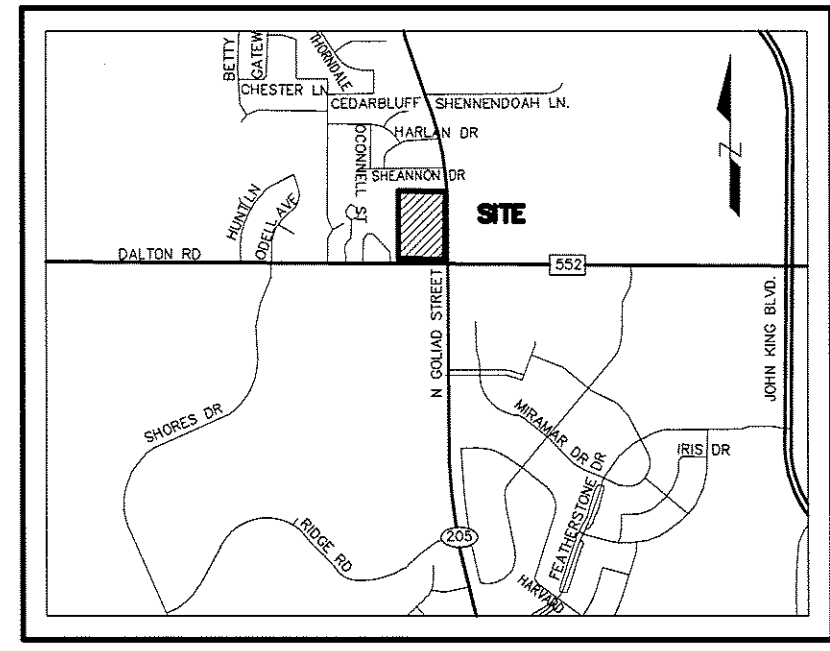
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SHEET C7				
<p>SANITARY SEWER PROFILE</p> <p>DALTON GOLIAD ADDITION CITY OF ROCKWALL, TEXAS</p>				
<p>DEVELOPER:</p> <p>ROCKWALL 205-552, LLC 1408 QUORUM DRIVE SUITE 160 Dallas, TX 75254</p>				
<p>THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOHN S. VASQUEZ ON 04/28/2016</p> <p>STATE OF TEXAS JUAN VASQUEZ 55852 LICENSED PROFESSIONAL ENGINEER</p>				
<p>VASQUEZ ENGINEERING, L.L.C. 1919 S. Shiloh Road Suite 440, LB 44 Garland, Texas 75042 PH: 972-276-2948 TX Registration # F-12266</p>				
11/06/17	RECORD DRAWINGS	APP.		



- NOTES:**
- EXISTING TOPOGRAPHY BASED ON SURVEY PREPARED BY PEISER & MANKIN, LLC., DATED 1/14/2016.
 - SEE SHEETS C3.1 & C3.2 FOR GRADING PLAN.
 - SEE SHEET C5.1 FOR STORM SEWER PLAN.
 - SEE SWPPP FOR ADDITIONAL INFORMATION.

TOTAL AREA = 9.19 ACRES
DISTURBED AREA = 8.32 ACRES

- DETENTION POND MUST BE FULLY INSTALLED AND FUNCTIONING WITH THE SIDES AND BOTTOM ANCHORED WITH EITHER SOD OR SEEDED CURLEX PRIOR TO ANY PAVING INCLUDING SLAB.



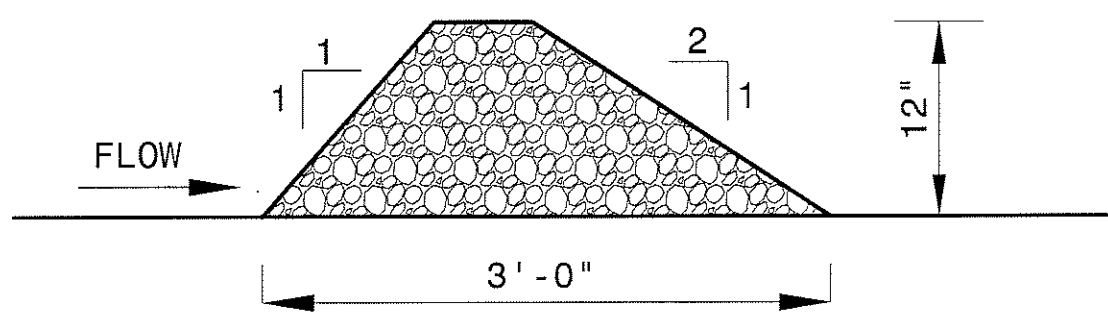
EROSION CONTROL NOTES

- THE SPECIFIC PLANT MATERIALS PROPOSED TO PROTECT FILL AND EXCAVATED SLOPES SHALL BE AS INDICATED ON THE PLANS. PLANT MATERIALS MUST BE SUITABLE FOR USE UNDER LOCAL CLIMATE AND SOIL CONDITIONS. IN GENERAL, HYDROSEEDING OR SODDING BERMOUDA GRASS IS ACCEPTABLE DURING THE SUMMER MONTHS (MAY 1, TO AUGUST 30). WINTER RYE OR FESCUE GRASS MAY BE PLANTED DURING TIMES OTHER THAN THE SUMMER MONTHS AS A TEMPORARY MEASURE UNTIL SUCH TIME AS THE PERMANENT PLANTING CAN BE MADE.
- PRIOR TO COMMENCING ANY CONSTRUCTION, A CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE SHALL BE INSTALLED AT THE LOCATION(S) SHOWN.
- AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED.
- AT THE COMPLETION OF THE PAVING AND FINAL GRADING, THE DISTURBED AREA(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS.
- SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED.
- DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND RESEEDED OR RESODDED, IF NECESSARY.

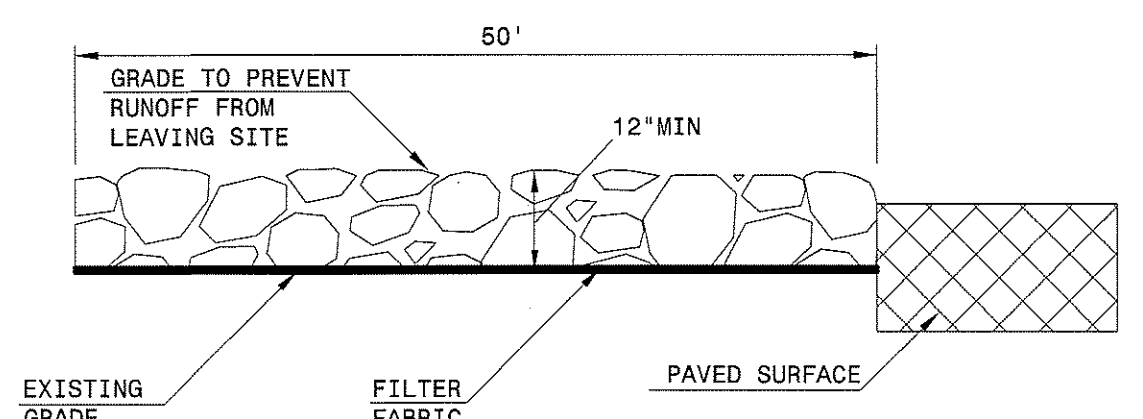
EROSION PROTECTION DURING CONSTRUCTION

- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL TECHNIQUES AND METHODS TO STOP EROSION OF ONSITE SOILS AND PROTECT ADJACENT PROPERTIES FROM POTENTIAL SILT MIGRATION. SILT FENCING SHALL BE INSTALLED AT THE LOCATIONS SHOWN PRIOR TO THE START OF CONSTRUCTION AND SITE GRADING.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PER CITY AND TCEQ REQUIREMENTS. ALL APPLICABLE FEES AND SUBMITTALS SHALL BE MADE PRIOR TO THE START OF CONSTRUCTION.
- SINCE DISTURBED AREA IS GREATER THAN 5.0 ACRES A SWPPP & NOI WILL BE REQUIRED.

- STONE SHALL BE WELL GRADED WITH SIZE RANGE FROM 1-1/2" TO 3-1/2" INCHES IN DIAMETER DEPENDING ON EXPECTED FLOWS.
- THE CHECK DAM SHALL BE INSPECTED AS SPECIFIED IN THE SWPPP AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE CHECK DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
- WHEN THE SITE HAS ACHIEVED FINAL STABILIZATION OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED, THE CHECK DAM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.



ROCK CHECK DAM
N.T.S.



PROFILE VIEW
N.T.S.

FILTER FABRIC SPEC
TENSILE STRENGTH: 300 LBS
PUNCTURE STRENGTH: 120 LBS
MULLEN BURST RATING: 600 PSI
APPROXIMATE OPENING SIZE:
U.S. SIEVE NO. 40 (MAX)

STABILIZED CONSTRUCTION ENTRANCE NOTES:

- STONE SIZE - 4 TO 6 INCHES STONE. NO RECYCLED CONCRETE ALLOWED.
- LENGTH-AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
- THICKNESS-NOT LESS THAN 12-INCHES.
- WIDTH-NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- WASHING-WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE USING APPROVED METHODS.
- MAINTENANCE-THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- DRAINAGE-ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- PREVENT SHORTCUTTING OF THE FULL LENGTH OF THE CONSTRUCTION ENTRANCE BY INSTALLING BARRIERS AS NECESSARY.

RECORD DRAWING

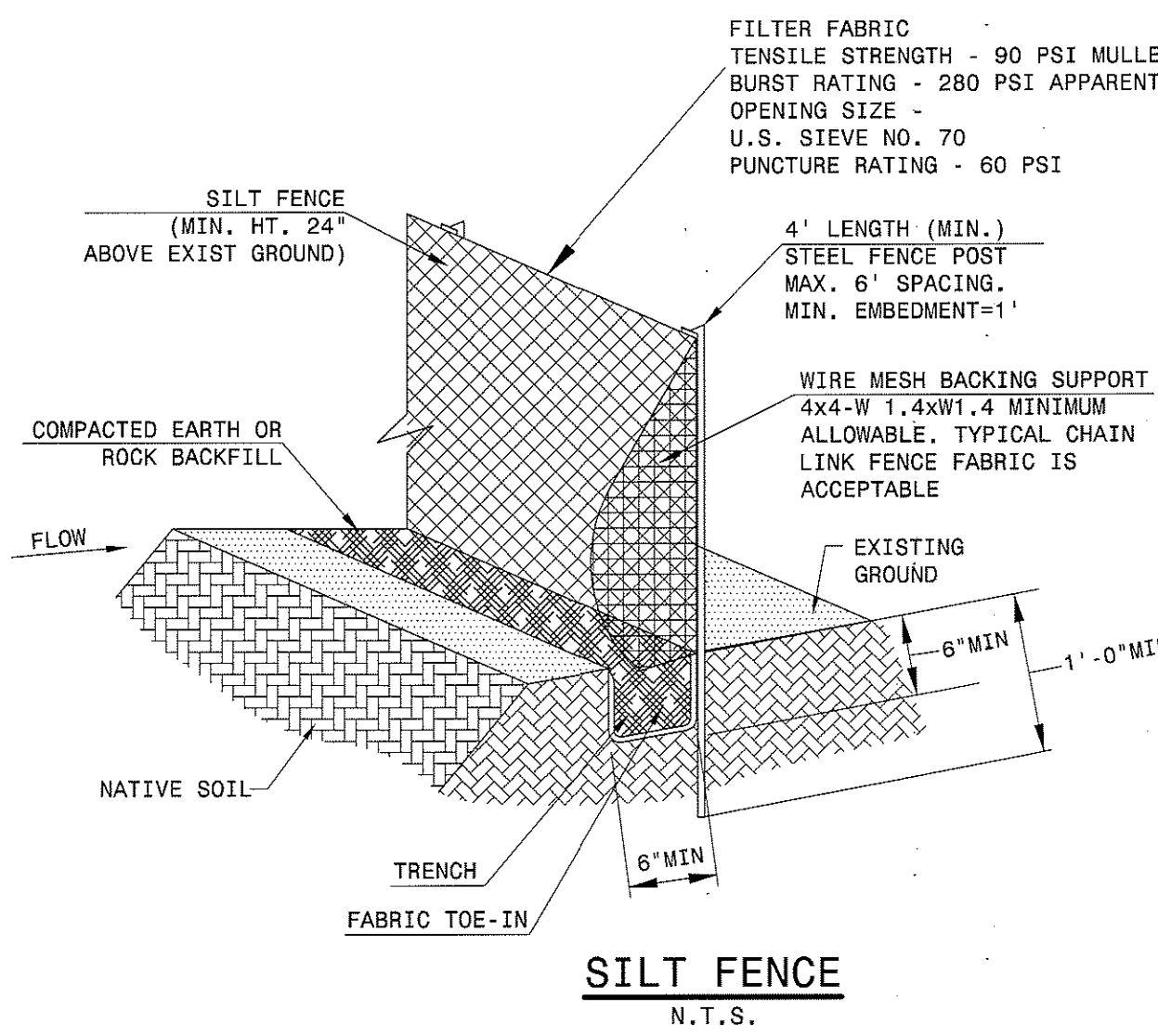
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SIGNED: *[Signature]* DATE: 11/6/14

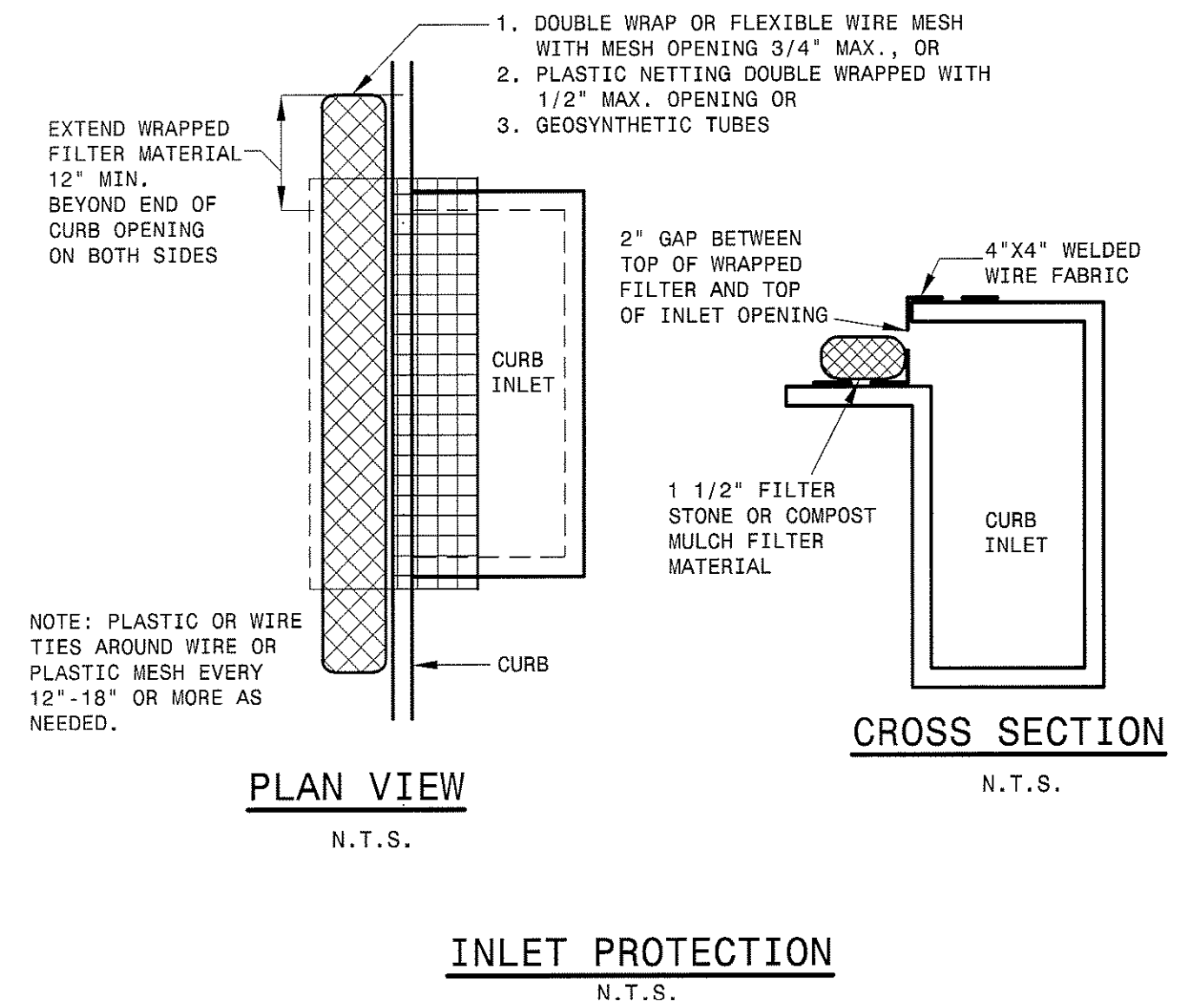
VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

SILT FENCE NOTES:

- STEEL POST WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- 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 SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

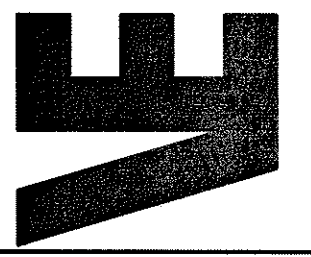


SILT FENCE
N.T.S.



INLET PROTECTION
N.T.S.

APP.	
RECORD DRAWINGS	11/06/17
DATE	11/06/17
NO.	110617



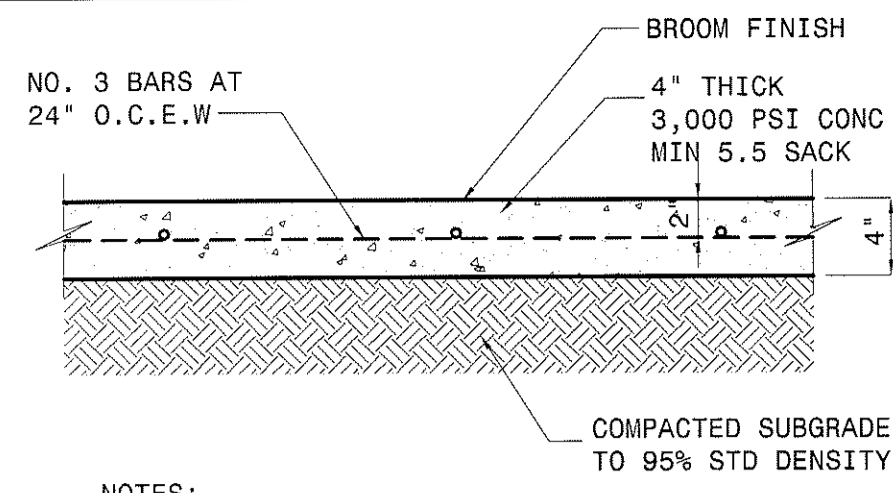
DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
Dallas, TX 75254

EROSION CONTROL PLAN

DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

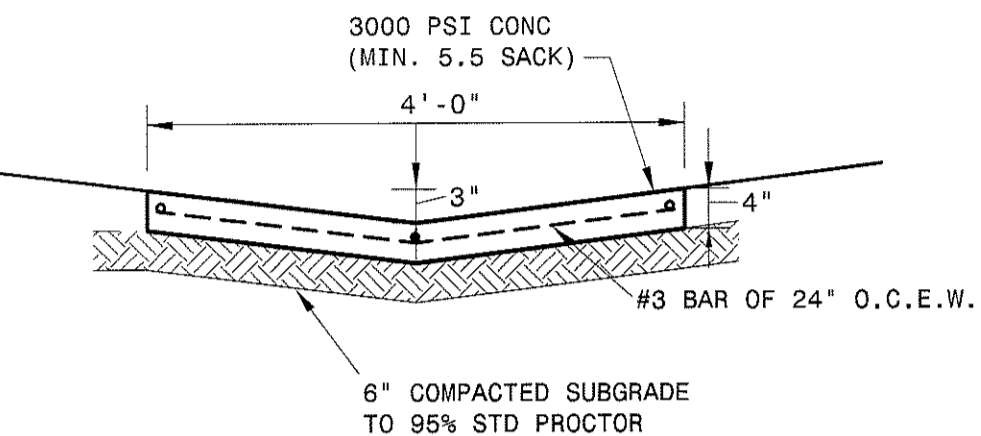
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Checked by: JUV
613-017467/08 EROSION CONTROL PLAN.dwg
Date: 06/21/2016

SHEET
C8

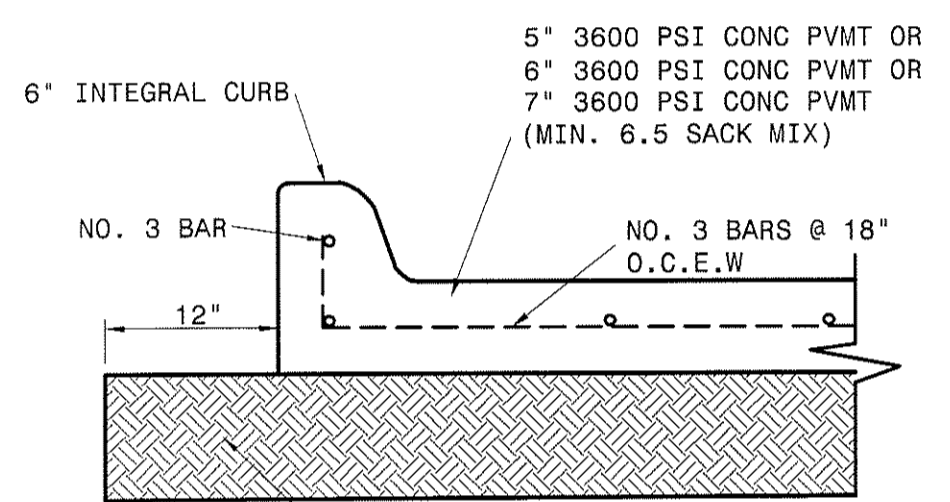


- NOTES:
- TOOLED JOINTS AT 5' MAXIMUM SPACING.
 - EXPANSION JOINTS AT 90° MAXIMUM SPACING.
 - 2% MAXIMUM CROSS SLOPE.

ON-SITE SIDEWALK DETAIL
NTS

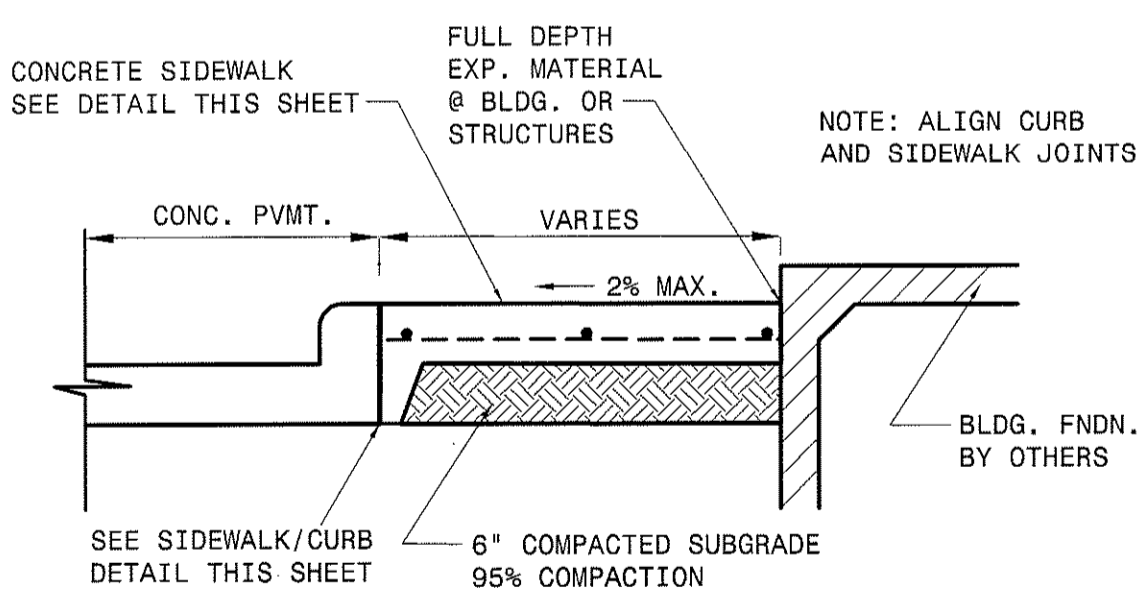


DETENTION POND CONCRETE FLUME DETAIL
NTS

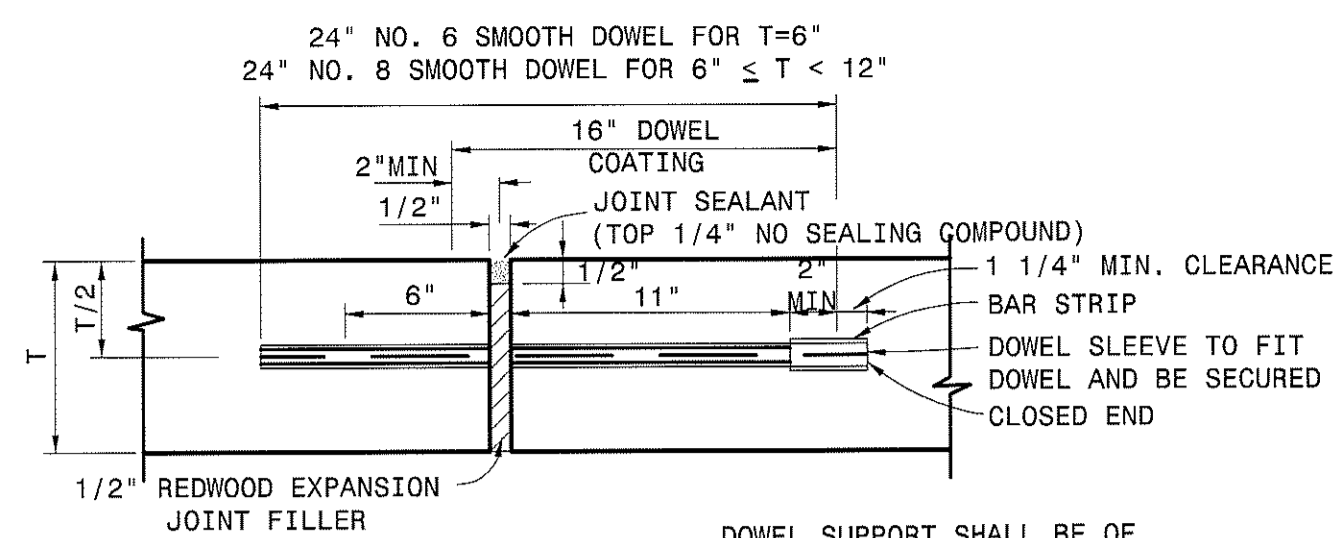


- NOTES:
- AREAS TO BE PAVED SHALL EXCAVATED BELOW THE PROPOSED FINISHED SUBGRADE REFER TO GEOTECHNICAL REPORT FOR RECOMMENDATIONS.
 - CONCRETE TO BE AIR ENTRAINED BETWEEN 3 AND 6%.
 - SAW JOINTS TO BE AT 15' O.C. MAX.
 - EXPANSION JOINTS SHALL BE AS NOTED ON PLAN.

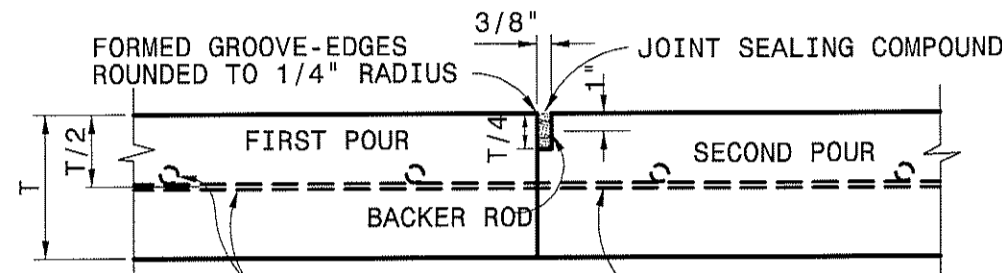
ON-SITE CONCRETE PVMT SECTION
NTS



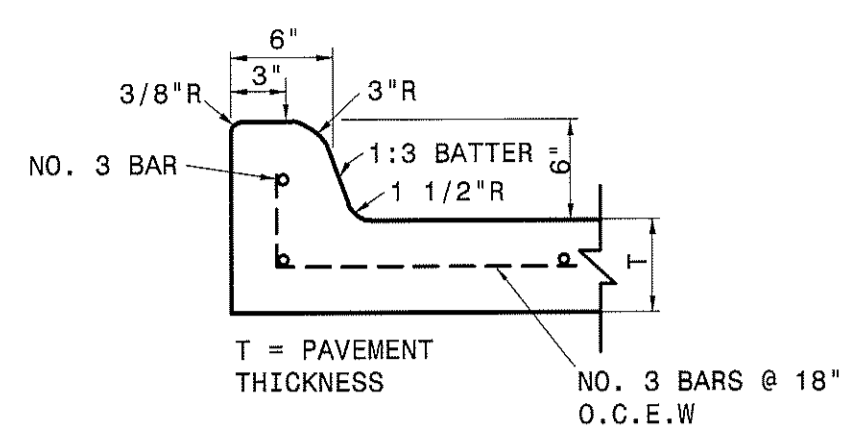
PRIVATE SIDEWALK ADJACENT TO CURB DETAIL
NTS



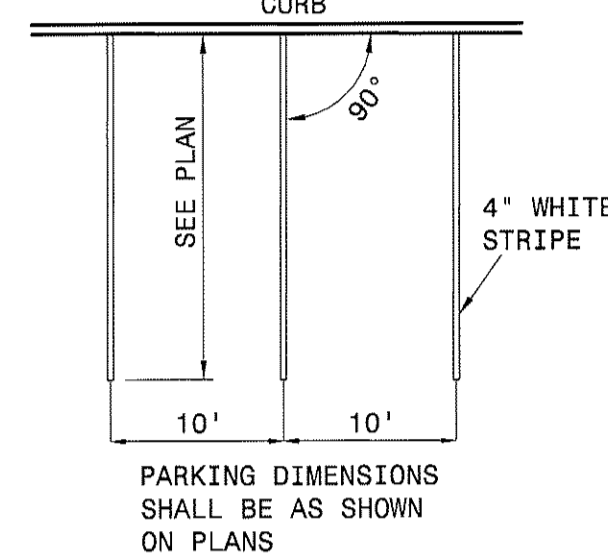
EXPANSION JOINT
NTS



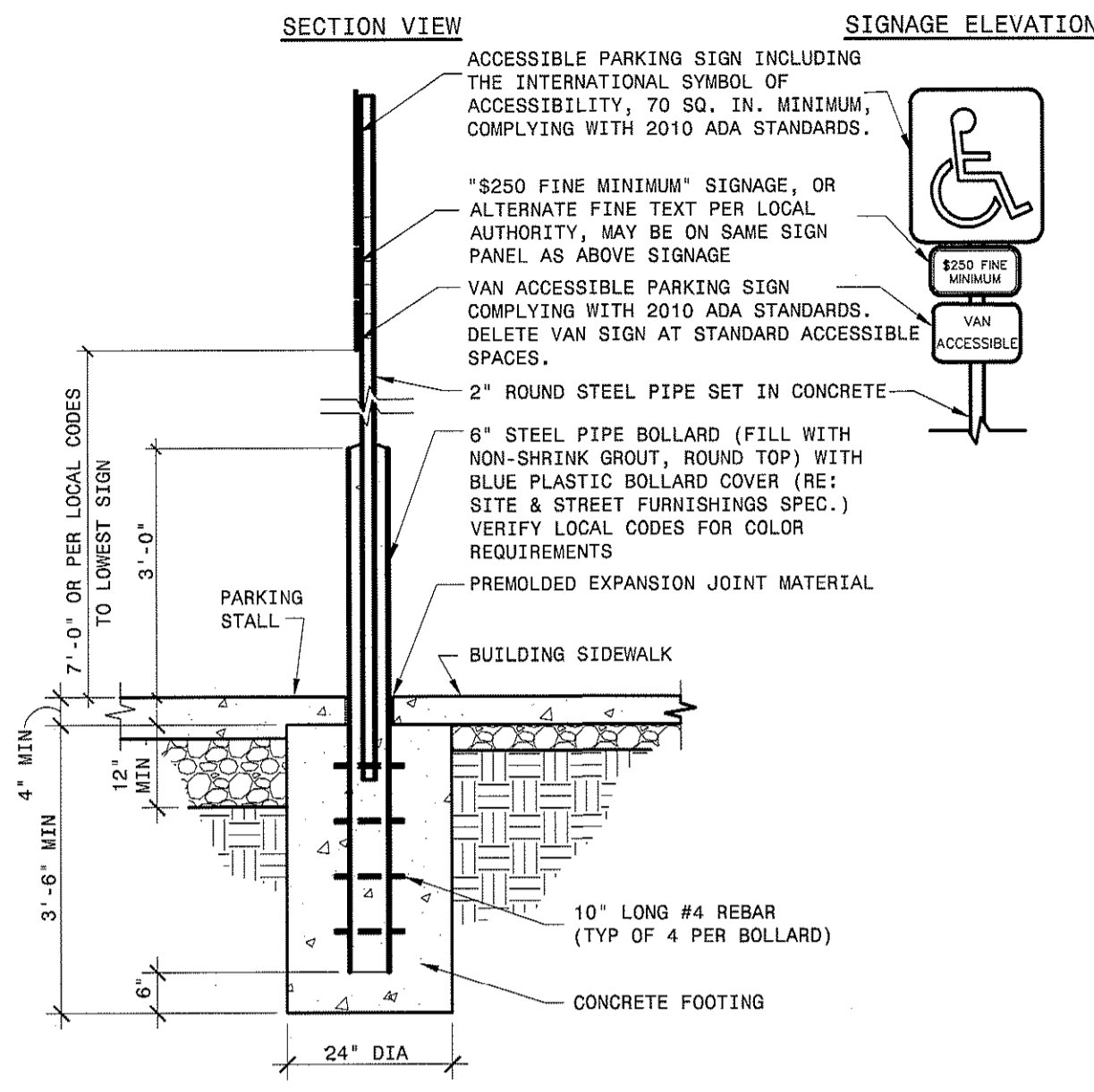
CONSTRUCTION JOINT
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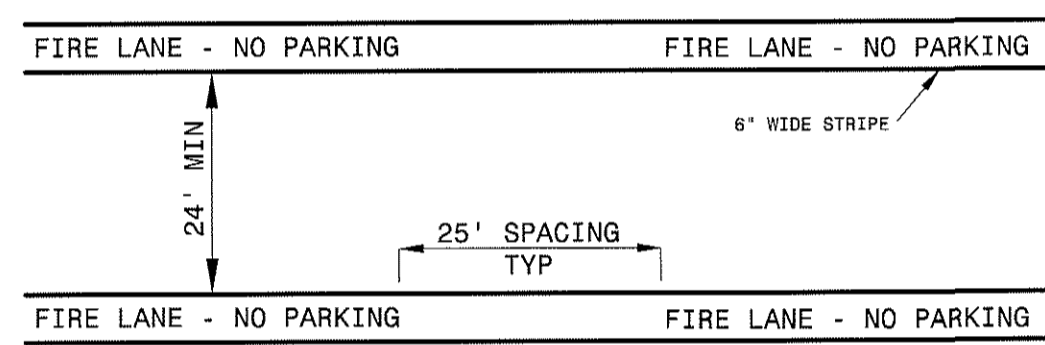
INTEGRAL CURB
NTS



STANDARD PARKING STALL DETAIL
NTS

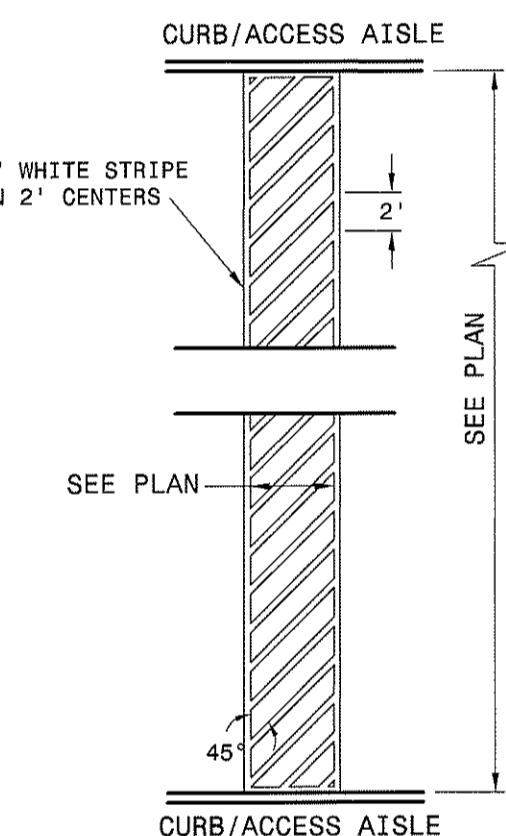


ACCESSIBLE SIGN DETAIL
NTS

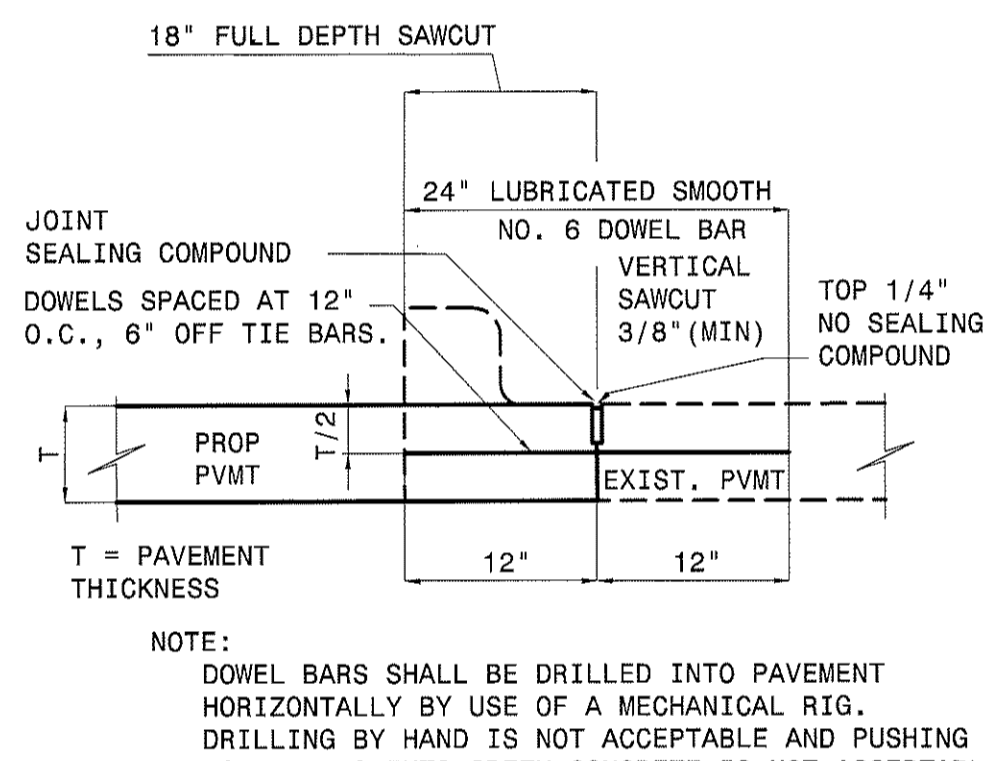


- FIRE LANE NOTES:
- STRIPES SHALL BE SIX(6) INCHES WIDE PAINTED "TRAFFIC RED". PAINT TO BE PER CITY SPECIFICATIONS.
 - LETTERS SHALL BE FOUR(4) INCHES HIGH PAINTED "TRAFFIC WHITE". PAINT TO BE PER CITY SPECIFICATIONS.
 - STRIPES MAY BE BRUSHED OR SPRAYED, ONE COAT TO FINISH. LETTERS SHALL BE STENCIL FORMED, BRUSH APPLIED AND SPACED AS DETAILED ON THIS SHEET.
 - WHERE IS AVAILABLE, THE STRIPPING SHALL BE ON BOTH THE VERTICAL AND HORIZONTAL FACES OF THE CURB.
 - COORDINATE WITH CITY FIRE DEPARTMENT PRIOR TO STRIPING.

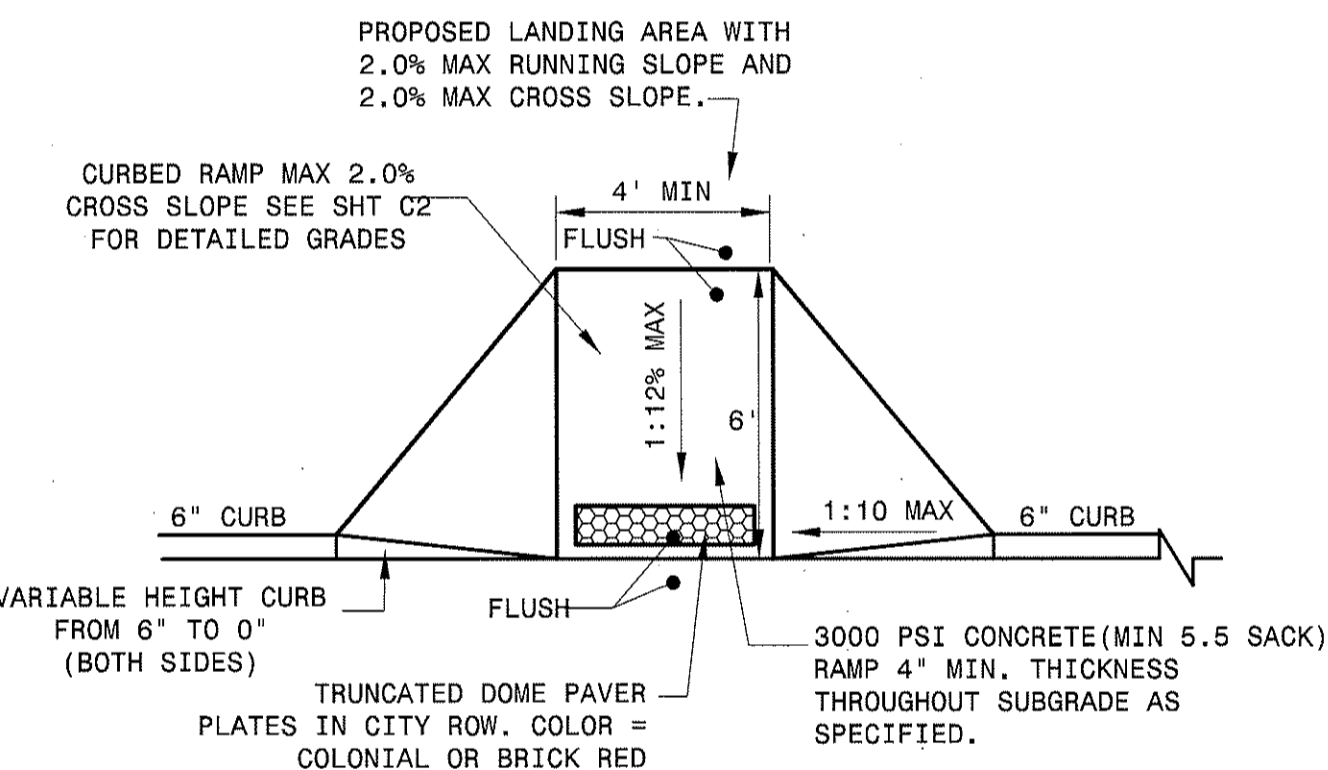
FIRE LANE STRIPING DETAIL
NTS



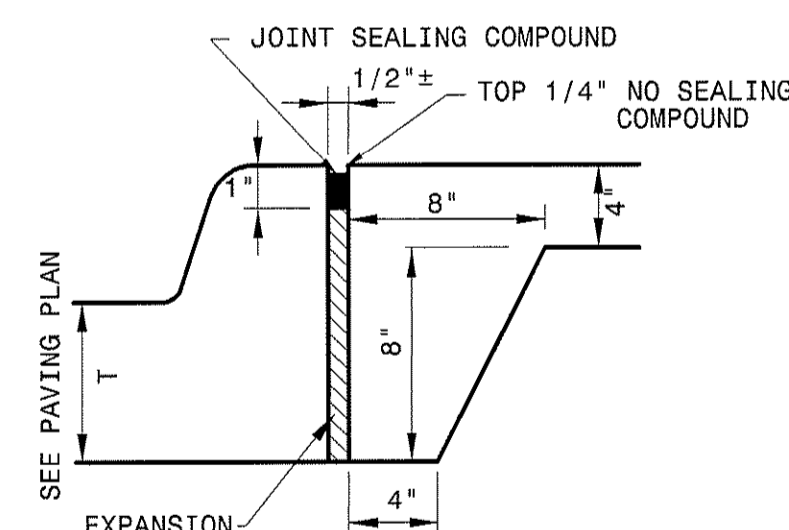
CROSSWALK STRIPING DETAIL
NTS



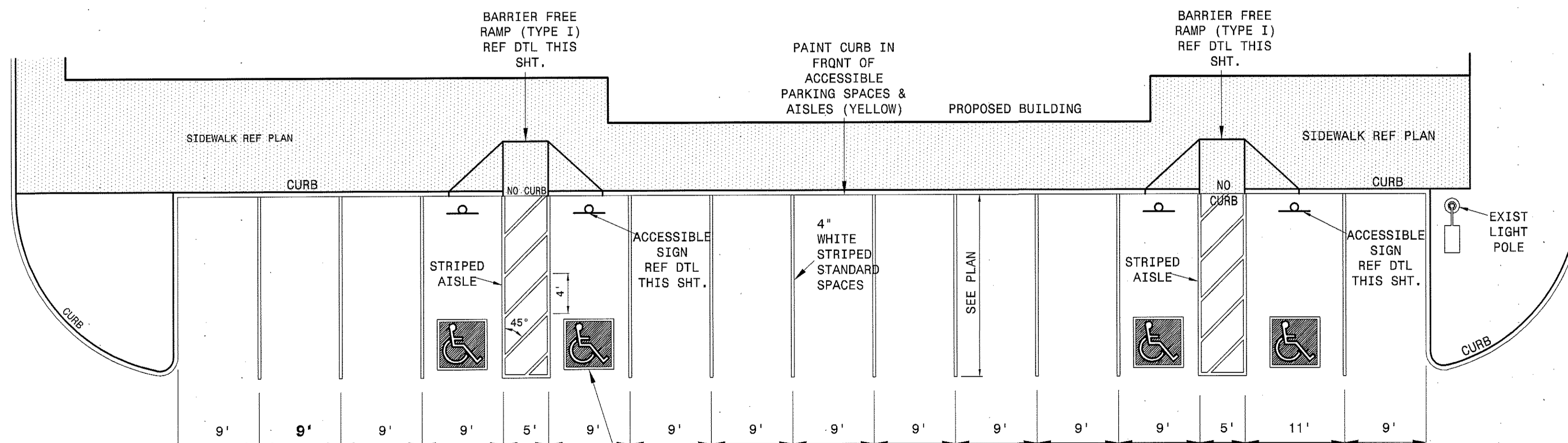
LONGITUDINAL BUTT JOINT
NTS



BARRIER FREE RAMP TYPE I
NTS

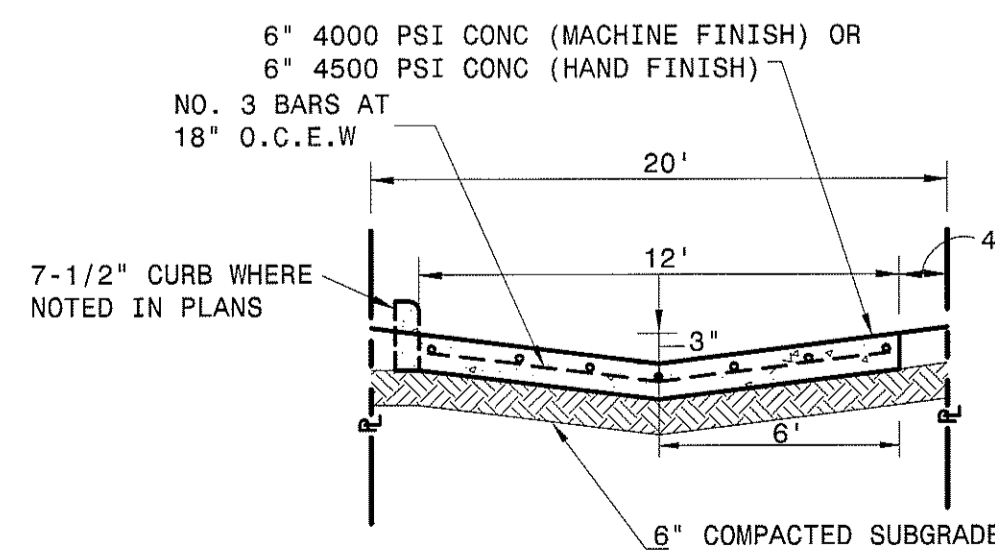


SIDEWALK/CURB DETAIL
NTS



SYMBOLS, STRIPING, SIGNAGE AND BARRIER FREE RAMP SHALL MEET CURRENT TDLR/TAS STANDARDS.

ACCESSIBLE PARKING STALL DETAIL
NTS



ALLEY SECTION DETAIL
NTS

- GENERAL NOTES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH THE PLANS AND SPECIFICATIONS FOR THIS PROJECT, THE PROJECT AREA, AND ALL CODES, REGULATIONS OR LAWS APPLICABLE TO THE PROJECT.
 - ALL CONSTRUCTION SHALL BE PER CITY OF ROCKWALL (CITY) STANDARDS FOR CONSTRUCTION.
 - OWNER SHALL DESIGNATE A STAGING AREA FOR THE CONTRACTOR. NO STORAGE OF EQUIPMENT OR MATERIALS SHALL BE PERMITTED WITHOUT PERMISSION OF THE OWNER.
 - CONTRACTOR SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY FASHION AND DISPOSE OF EXCESS MATERIALS AND DEBRIS BY LEGAL MEANS OFF SITE. NO DEBRIS SHALL BE BURIED ON SITE.
 - WORK IN THE RIGHT-OF-WAY SHALL BE COORDINATED WITH THE CITY. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW IN A SAFE MANNER IN ACCORDANCE WITH CITY REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROPRIATE PERMITS AND FOR PROVIDING ALL NECESSARY WARNING AND SAFETY DEVICES AS REQUIRED BY THE CITY OR TXDOT.
 - UTILITIES SHOWN ARE AT APPROXIMATE LOCATIONS BASED ON AVAILABLE PLANS AND NOT ALL UTILITIES MAY BE SHOWN. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE CITY AND ENGINEER OF POTENTIAL CONFLICTS WITH THE PLANS PRIOR TO CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES AND SITE FEATURES DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR ANY DAMAGED UTILITIES OR SITE FEATURES TO A LIKE NEW CONDITION AT CONTRACTORS EXPENSE PRIOR TO FINAL APPROVAL OF THE CONSTRUCTION BY OWNER.
 - CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL UTILITIES TO FINISHED GRADE.

APP.	
RECORD DRAWINGS	
DATE	11/08/17
NO.	1

THE SEAL APPEARING ON THIS DOCUMENT WAS AFFIXED BY JUAN V. VASQUEZ, P.E. ON 04/28/2016

DEVELOPER:
ROCKWALL 205-552, LLC
1408 QUORUM DRIVE
SUITE 160
DALLAS, TX 75254

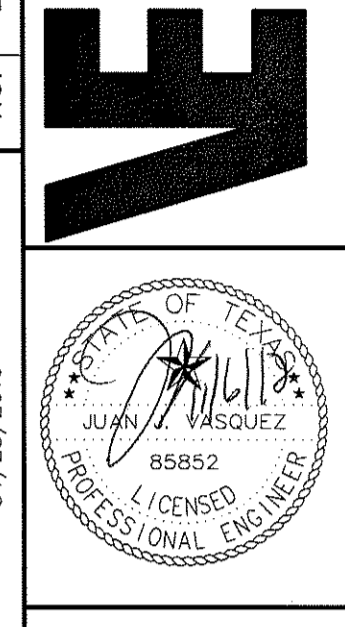
DETAILS AND GENERAL NOTES
DALTON GOLIAD ADDITION
CITY OF ROCKWALL, TEXAS

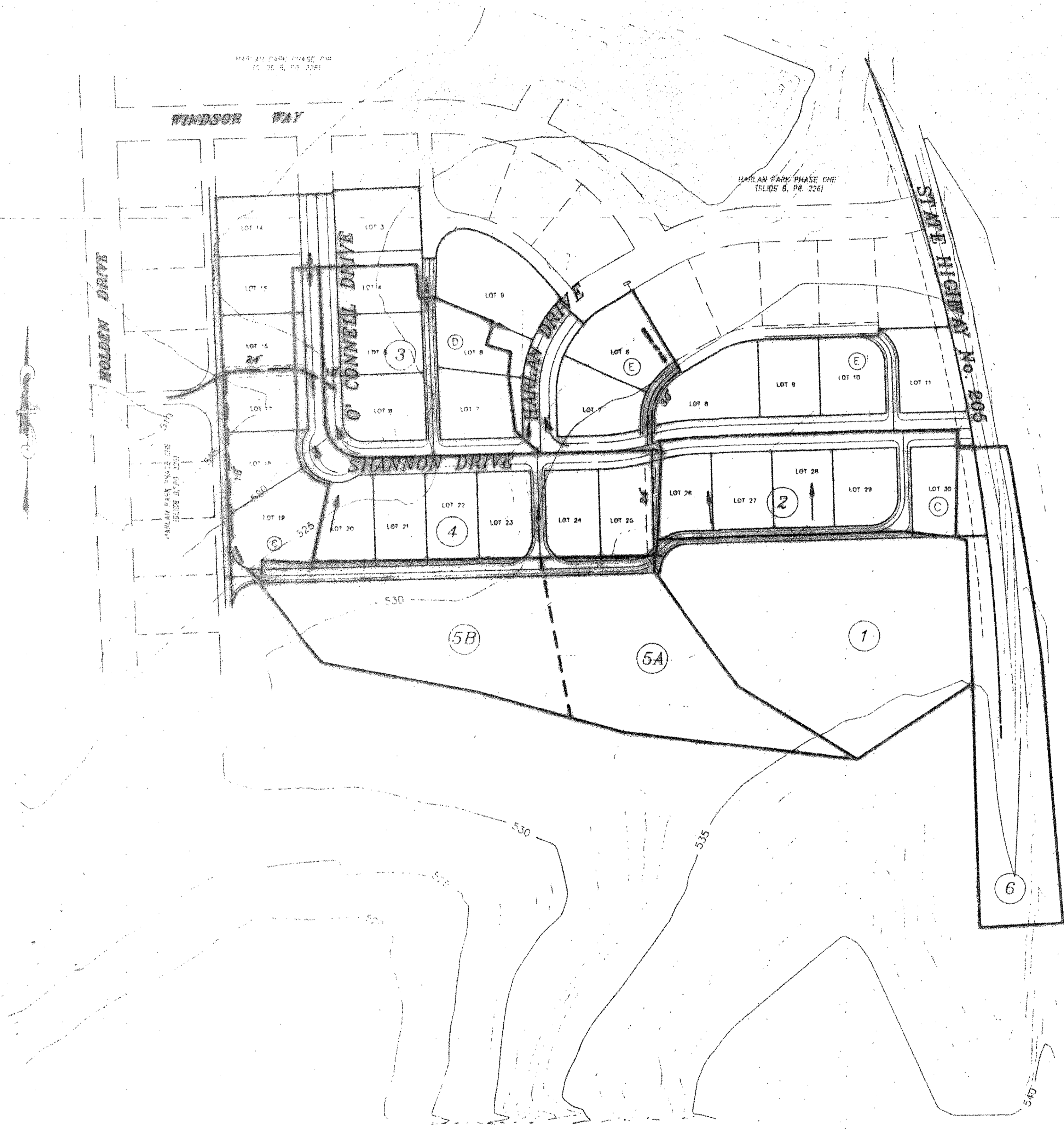
Scale: AS NOTED
Designed by: JUV
Drawn by: JUV
Checked by: JUV
Date: 08/21/2016

SHEET
C9

RECORD DRAWING
TO THE BEST OF OUR KNOWLEDGE THE IMPROVEMENTS SHOWN ON THIS PLAN WERE COMPLETED IN GENERAL CONFORMANCE WITH THE DESIGN PLANS. THIS DETERMINATION WAS MADE BASED ON POST-CONSTRUCTION SURVEY DATA AND INFORMATION PROVIDED BY THE CONTRACTOR.
SIGNED: [Signature] DATE: 11/16/17
VASQUEZ ENGINEERING, LLC
TEXAS REG. F-12266

VASQUEZ ENGINEERING, L.L.C.
1919 S. Shiloh Road
Suite 440, LB 44
Garland, Texas 75042
Ph: 972-278-2948
TX Registration # F-12266





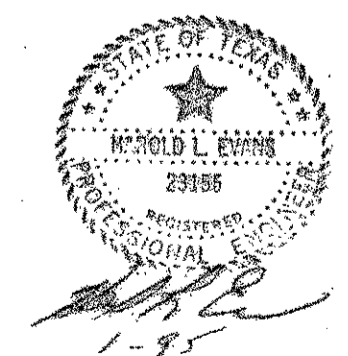
DRAINAGE DATA

D.A. No.	AREA (ACRES)	C	I (100)	Q (CFS)	SUM Q 100 (CFS)
1	2.52	.80	9.8	19.76	19.76
2	1.49	.50	9.8	7.30	27.06
3	1.55	.50	9.8	7.60	
4	2.01	.50	9.8	9.85	17.45
5A	1.43	.50	9.8	7.01	
5B	1.57	.50	9.8	7.69	32.15
6	1.24	.50	9.8	6.07	6.07

B.M.
 SQUARE ON TOP OF CONC. HDWL. 200' SOUTH
 OF SOUTHEAST ADDITION CORNER ON WEST SIDE
 ST. HWY. 205.
 ELEVATION = 532.95

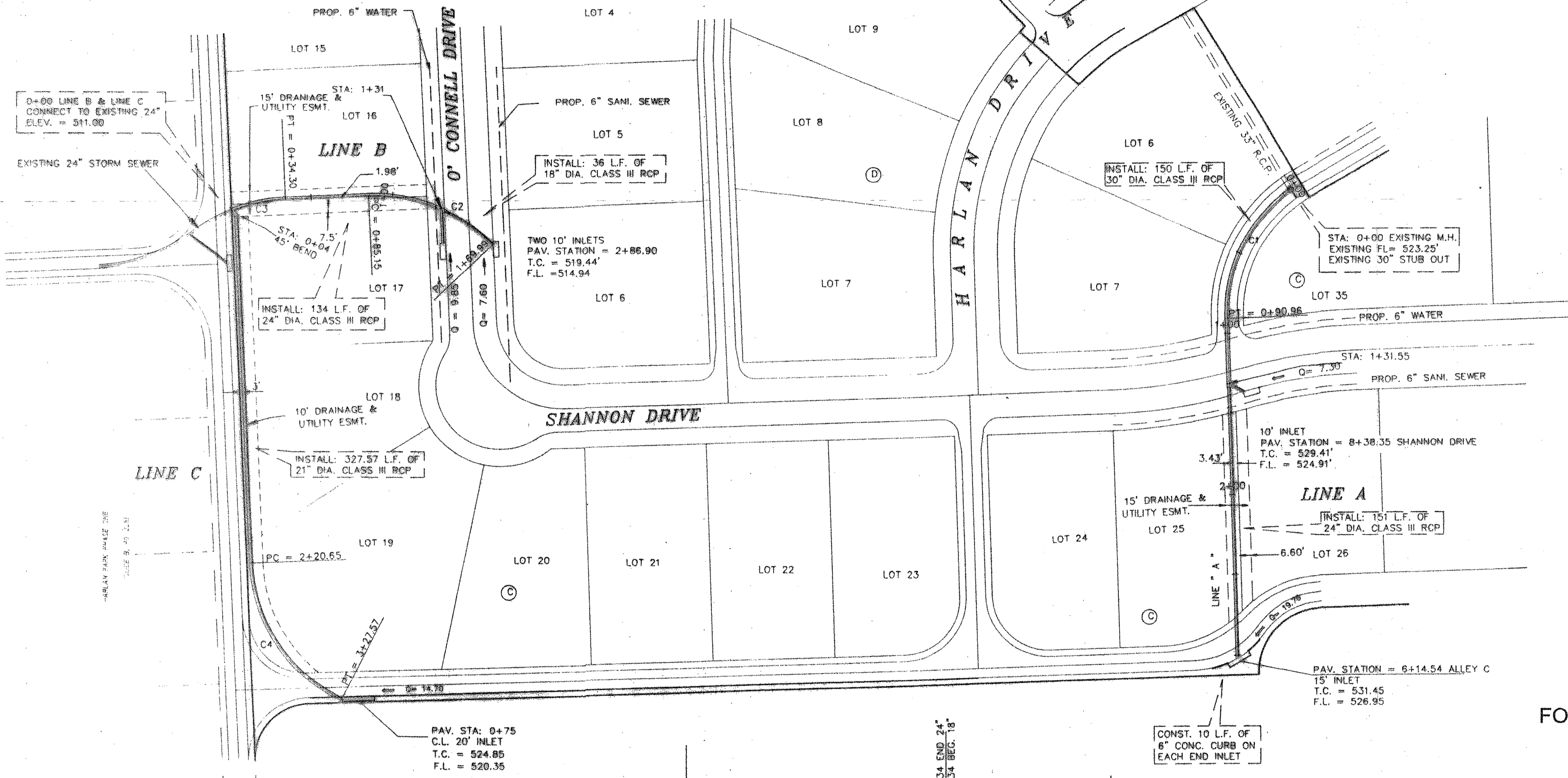
B.M.
 R.R. SPIKE IN P.P. ON WEST SIDE ST. HWY.
 205, 280' +/- NORTH OF NORTHEAST ADDITION
 CORNER.
 ELEVATION = 530.36

FOR INFORMATION ONLY

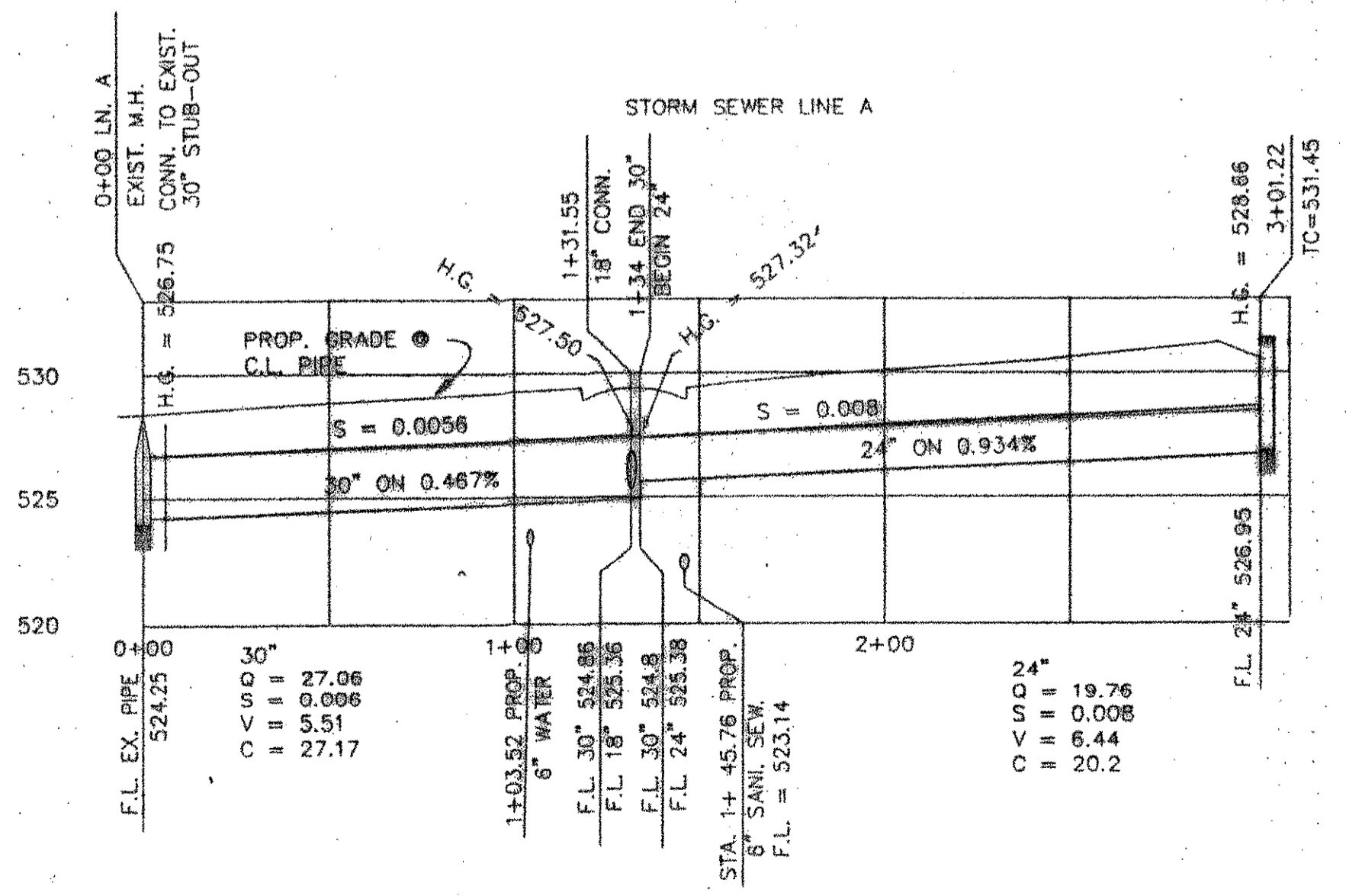
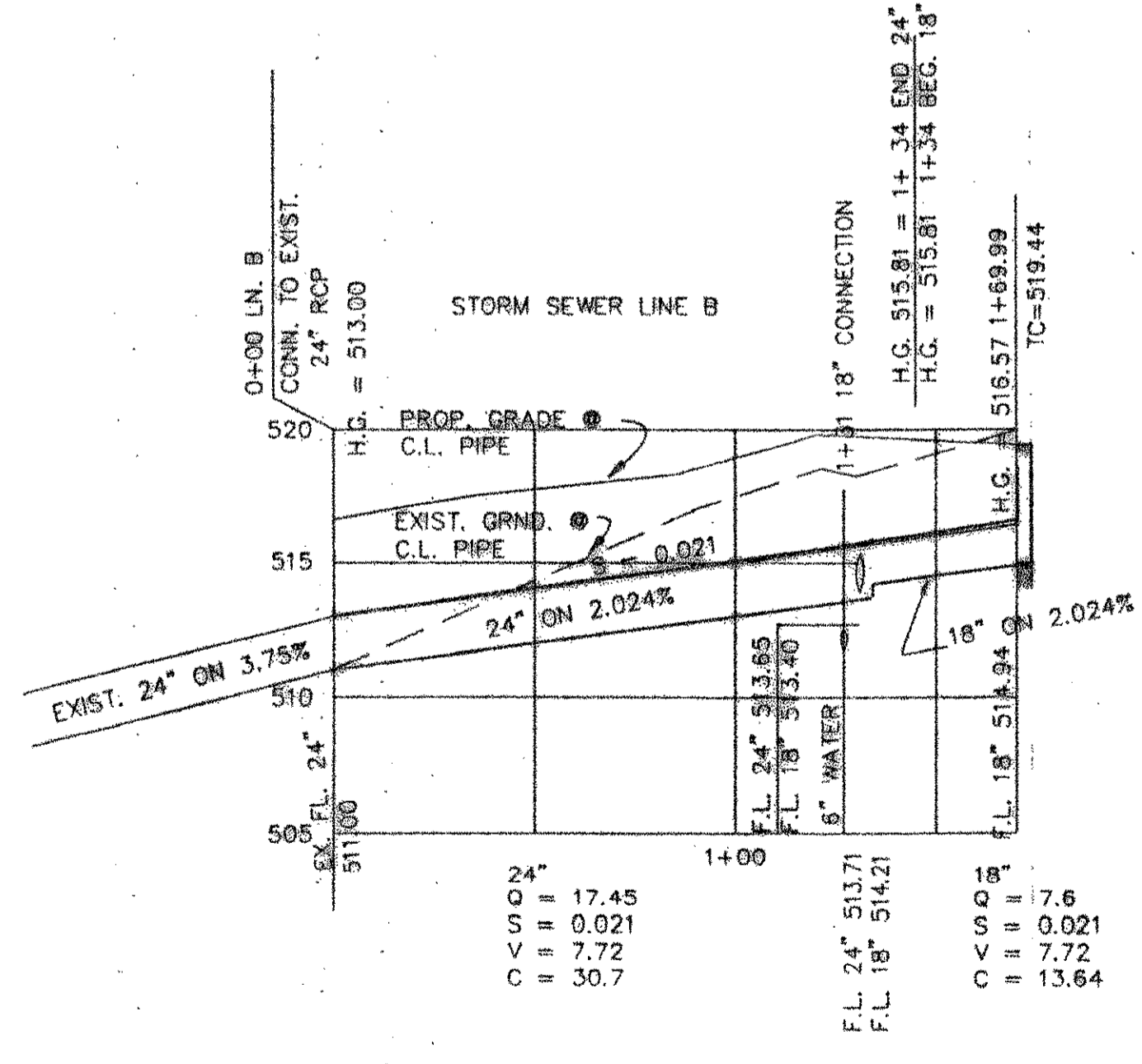
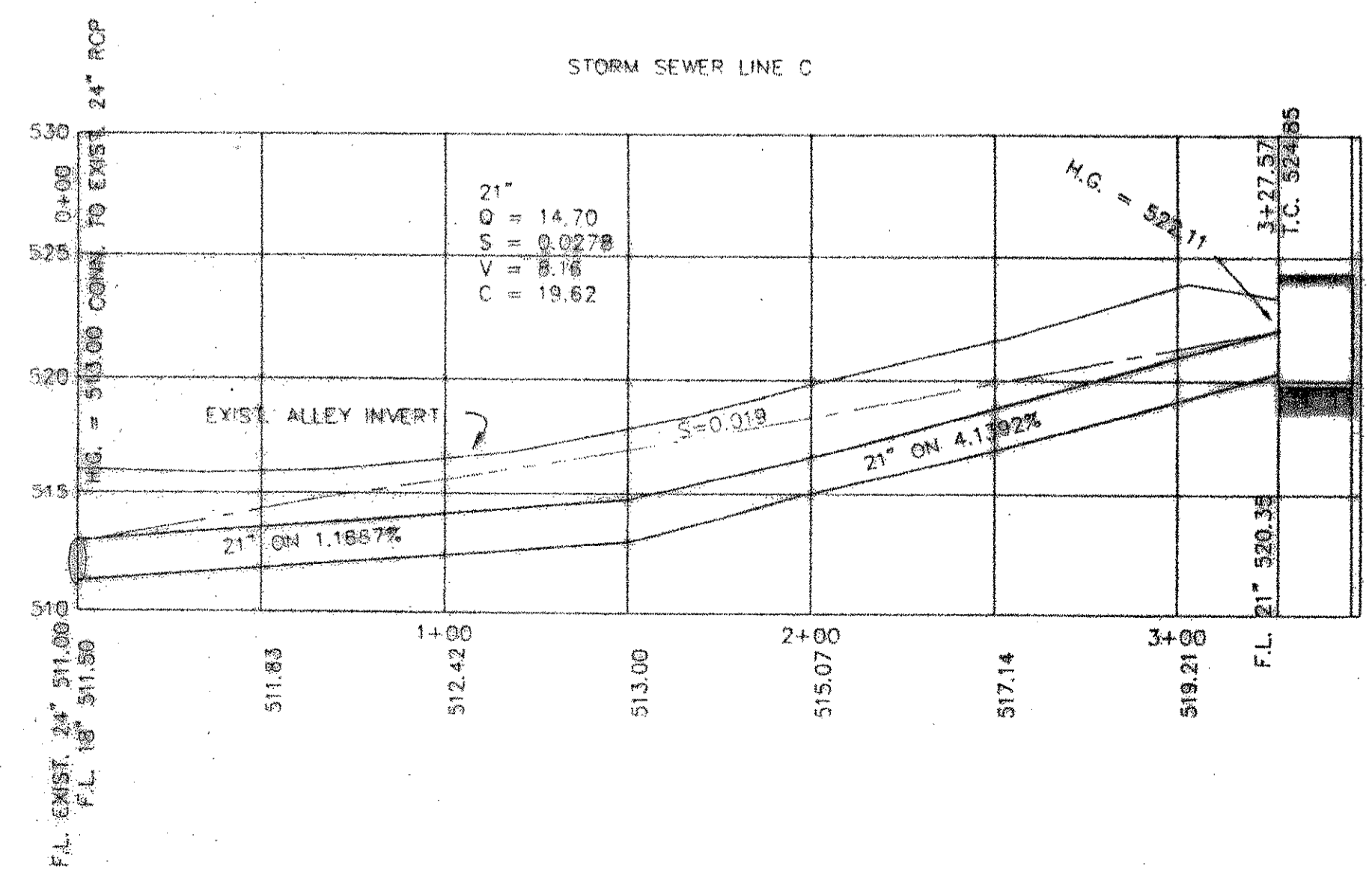


HAROLD L. EVANS CONSULTING ENGINEER P.O. BOX 28365 2321 GUS THOMASSON ROAD, SUITE 102 DALLAS, TEXAS 75228. (214) 328-8183		DRAINAGE AREA MAP HARLAN PARK PHASE TWO CITY OF ROCKWALL ROCKWALL COUNTY, TEXAS		SHEET NO. 7 9	
REV. PER CITY REVIEW 12/23/94	DATE 11/16/94	SCALE 1" = 100' HORZ.	DESIGN H.L.E.	DRAWN K.E.B.	JOB NO. 93144

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	92.80'	81.77'	50.03'	88.08'	S26°31'57" W	56°39'54"
C2	100.00'	84.84'	45.16'	82.37'	N68°03'43" W	48°36'35"
C3	100.00'	34.30'	17.37'	34.13'	S77°48'23" W	18°35'08"
C4	100.00'	108.92'	58.21'	101.90'	S32°42'30" E	61°13'39"

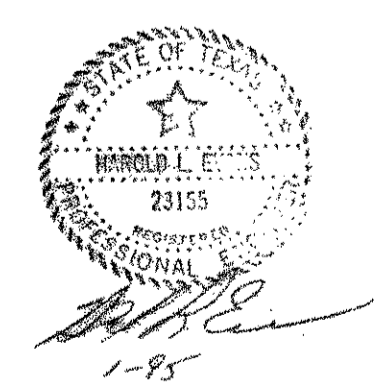


FOR INFORMATION ONLY



B.M.
SQUARE ON TOP OF CONC. HDML 200' SOUTH
OF SOUTHEAST CORNER ON WEST SIDE
ST. HWY. 205
ELEVATION = 532.95

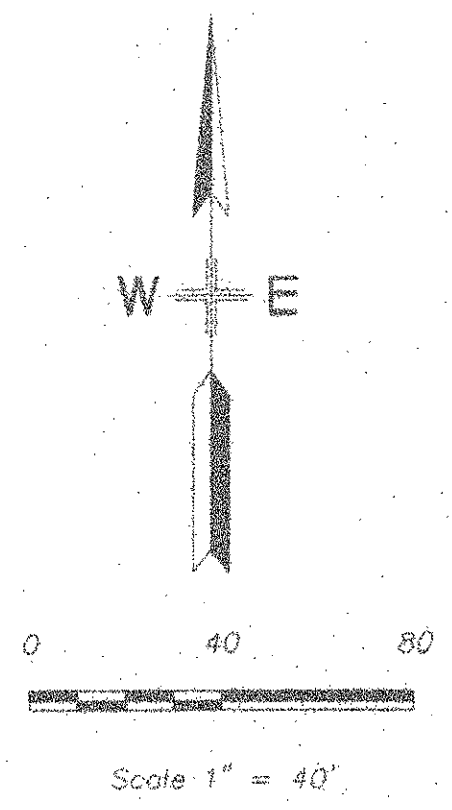
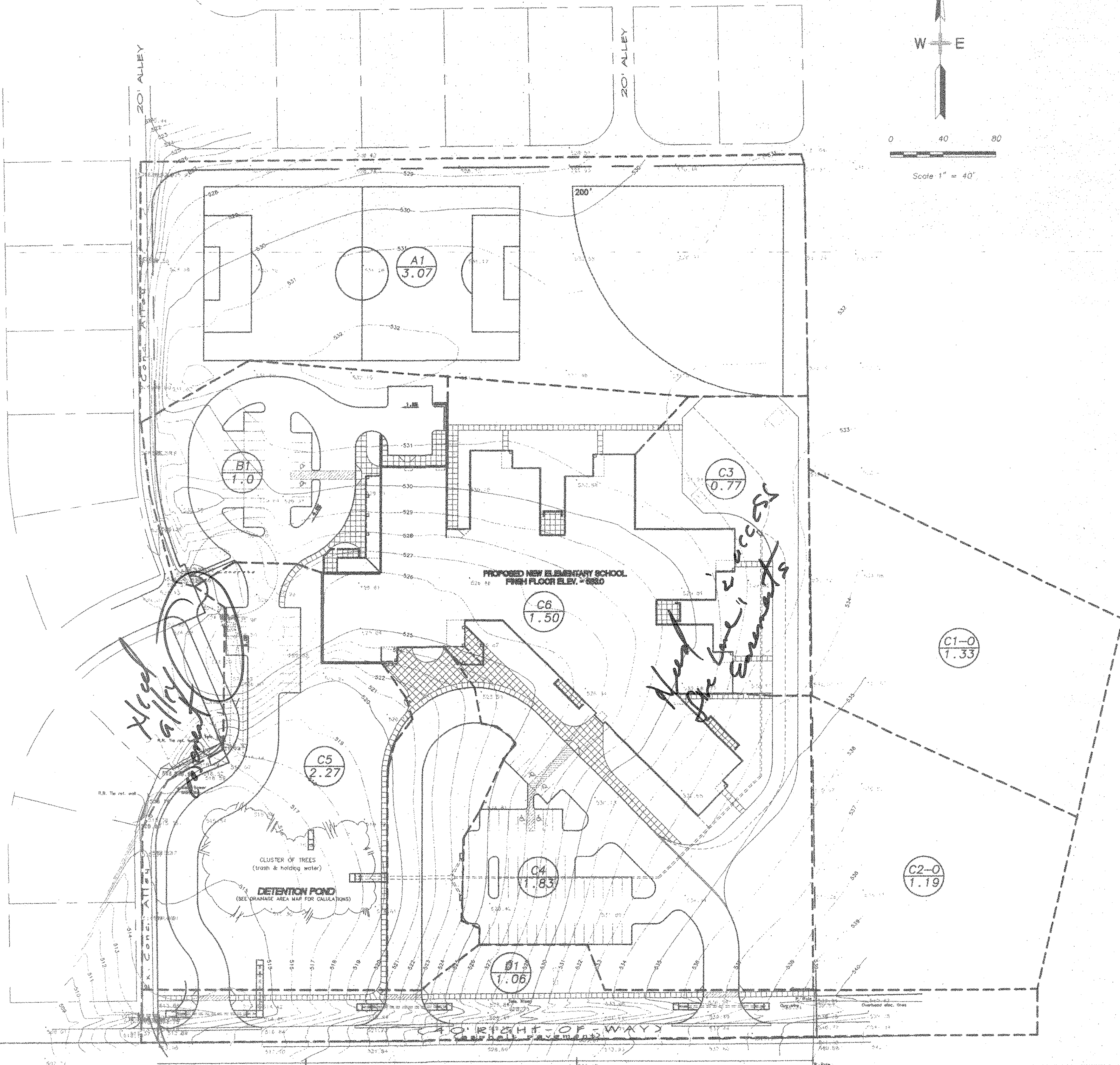
B.M.
R.B. SPIKE IN P.P. ON WEST SIDE ST. HWY.
205, 280' +/- NORTH OF NORTHEAST CORNER
ELEVATION = 530.35



HAROLD L. EVANS CONSULTING ENGINEER P.O. BOX 28365 2331 GUS THOMASSON ROAD, SUITE 102 DALLAS, TEXAS 75226 (214) 328-8133		STORM SEWER ROCKWALL COUNTY, TEXAS HARLAN PARK PHASE TWO CITY OF ROCKWALL		SHEET NO. 8 OF 9 JOB NO. 93144	
REV. PER FINAL CITY REVIEW 1/20/95	REV. PER CITY REVIEW 12/22/94	DATE 11/16/94	SCALE 1" = 40' HOR. 1" = 6' VERT.	DESIGN H.L.E.	DRAWN K.E.P.
REVISION DESCRIPTION					

HOLDEN DRIVE
HARLAN DR.

O'CONNELL DRIVE



STORM WATER RUNOFF CALCULATIONS

AREA NO.	DRAINAGE AREA (ACRES)	TIME OF CONCENTRATION (MINUTES)	RUNOFF COEFFICIENT 'C'	INTENSITY I ₂ (IN/HR)	DESIGN FLOW Q ₂ (CFS)	INTENSITY I ₁₀ (IN/HR)	DESIGN FLOW Q ₁₀ (CFS)
A1	3.07	10	0.50	6.2	9.5	9.5	15.0
B1	1.0	10	0.50	6.2	3.1	9.5	4.9
C1-O	1.39	10	0.75	6.2	6.2	9.5	9.9
C2-O	1.9	10	0.75	6.2	5.5	9.5	8.7
C3	0.77	10	0.50	6.2	2.3	9.5	3.8
C4	1.83	10	0.50	6.2	5.7	9.5	9.0
C5	2.27	10	0.50	6.2	7.0	9.5	11.1
C6	1.5	10	0.80	6.2	4.7	9.5	13.2
D1	1.06	10	0.50	6.2	3.3	9.5	5.2

DETENTION POND CALCULATIONS

POST DEVELOPMENT DRAINAGE AREAS C1 THRU C6 (8.89 AC.) = 82.90 c.f.s.
PREDEVELOPMENT 8.89AC x 0.30 x 11.6 = 30.94 c.f.s.
TOTAL C.F.S. TO DETAIN = 51.96 c.f.s.

DOWN STREAM RESTRAINTS - 18" RCP UNDER ALLEY - FULL FLOW CAP @ 1.00% = 11.38
11.38 USED FOR ALLOWABLE RELEASE RATE

RECORD NUMBER : 2 HYDROGRAPH REPORT
TYPE : RESER MOD. PULS
DESCRIPTION : outflow 1

[HYDROGRAPH INFORMATION]

Peak Discharge	9.73 (cfs)
Volume	0.72 (acft)
Time Interval	2.50 (min)
Time to Peak	17.50 (min)
Time of Base	2377.50 (min)
Peak Elevation	515.05 (ft)

[RESERVOIR STRUCTURE INFORMATION]

Reservoir #	1
Description	pond
Storage type	RECT VAULT
Max storage	28958.24 Cuft
Discharge type	COMP STAIR/DIS
Max discharge	11.41 cfs

INFLW TIME (min)	INFLOW (cfs)	EQUATION	OUTFLOW STORAGE ELEVATION (ft)
1 2.5	13.01	13.01 + 0.00 = 13.01	0.04 873.13 514.04
2 5.0	26.02	26.02 + 12.94 = 38.96	0.25 3879.11 514.16
3 7.5	39.04	39.04 + 81.47 = 120.51	1.15 8653.88 514.31
4 10.0	52.05	52.05 + 114.24 = 166.29	3.30 15144.15 514.41
5 12.5	65.07	65.07 + 148.63 = 213.70	6.41 21237.85 514.50
6 15.0	78.08	78.08 + 176.89 = 254.97	8.68 24988.39 514.58
7 17.5	91.10	91.10 + 194.99 = 286.09	9.73 26943.54 514.65
8 20.0	104.11	104.11 + 144.16 = 248.27	9.42 26083.09 514.64
9 22.5	117.13	117.13 + 138.36 = 255.49	8.82 24737.90 514.65
10 25.0	130.14	130.14 + 121.32 = 251.46	7.76 23516.98 514.64
11 27.5	143.16	143.16 + 108.80 = 251.96	6.49 21387.92 514.60
12 30.0	156.17	156.17 + 96.00 = 252.17	6.49 21387.92 514.60
13 32.5	169.19	169.19 + 83.00 = 252.19	5.96 20484.25 514.59
14 35.0	182.20	182.20 + 70.00 = 252.20	5.49 19580.59 514.57
15 37.5	195.22	195.22 + 57.00 = 252.22	5.04 18676.94 514.55
16 40.0	208.23	208.23 + 44.00 = 252.23	4.72 18064.30 514.53
17 42.5	221.25	221.25 + 31.00 = 252.25	4.36 17337.80 514.50
18 45.0	234.26	234.26 + 18.00 = 252.26	4.08 16794.48 514.47
19 47.5	247.28	247.28 + 5.00 = 252.28	3.81 16342.36 514.45
20 50.0	260.29	260.29 + 2.00 = 252.29	3.56 15940.18 514.43
21 52.5	273.31	273.31 + 0.00 = 273.31	3.33 15653.78 514.40
22 55.0	286.32	286.32 + 0.00 = 286.32	3.13 14609.69 514.38
23 57.5	299.34	299.34 + 0.00 = 299.34	2.95 14123.84 514.37
24 60.0	312.35	312.35 + 0.00 = 312.35	2.79 13703.29 514.36
25 62.5	325.37	325.37 + 0.00 = 325.37	2.65 13317.73 514.35
26 65.0	338.38	338.38 + 0.00 = 338.38	2.54 12958.09 514.33
27 67.5	351.40	351.40 + 0.00 = 351.40	2.44 12624.24 514.32
28 70.0	364.41	364.41 + 0.00 = 364.41	2.32 12317.73 514.30
29 72.5	377.43	377.43 + 0.00 = 377.43	2.21 12037.90 514.28
30 75.0	390.44	390.44 + 0.00 = 390.44	2.01 11808.59 514.26
31 77.5	403.46	403.46 + 0.00 = 403.46	1.92 11609.88 514.24
32 80.0	416.47	416.47 + 0.00 = 416.47	1.83 11423.27 514.24
33 82.5	429.49	429.49 + 0.00 = 429.49	1.74 10998.00 514.23
34 85.0	442.50	442.50 + 0.00 = 442.50	1.68 10803.45 514.23
35 87.5	455.52	455.52 + 0.00 = 455.52	1.58 10589.02 514.21

DRAINAGE AREA MAP
Scale 1" = 40'

BENCHMARK:
FLOW LINE OF THE UPSTREAM END OF THE 18" RCP
RUNNING UNDER THE ALLEY AT THE SOUTHWEST
CORNER OF THIS TRACT.
ELEVATION: 511.50

GLENN ENGINEERING
PHONE 214-771-5911
100 DESIGN COURT - SUITE 250
DALLAS, TEXAS 75243
FAX 214-771-4229
WWW.GLENNENGINEERING.COM

NEBBIE WILLIAMS ELEMENTARY SCHOOL
ROCKWALL INDEPENDENT SCHOOL DISTRICT
ROCKWALL, TEXAS



ARCHITECTS
ENGINEERS
SHW Group Inc

SHEET NUMBER
OF 13
SET NUMBER
C 25

FOR INFORMATION ONLY

DATE: JUNE 27, 1995
DRAWN BY: R.A.H.
CHECKED: C.M.G.
COM NO: 04955417
REVISED: 8-17-95