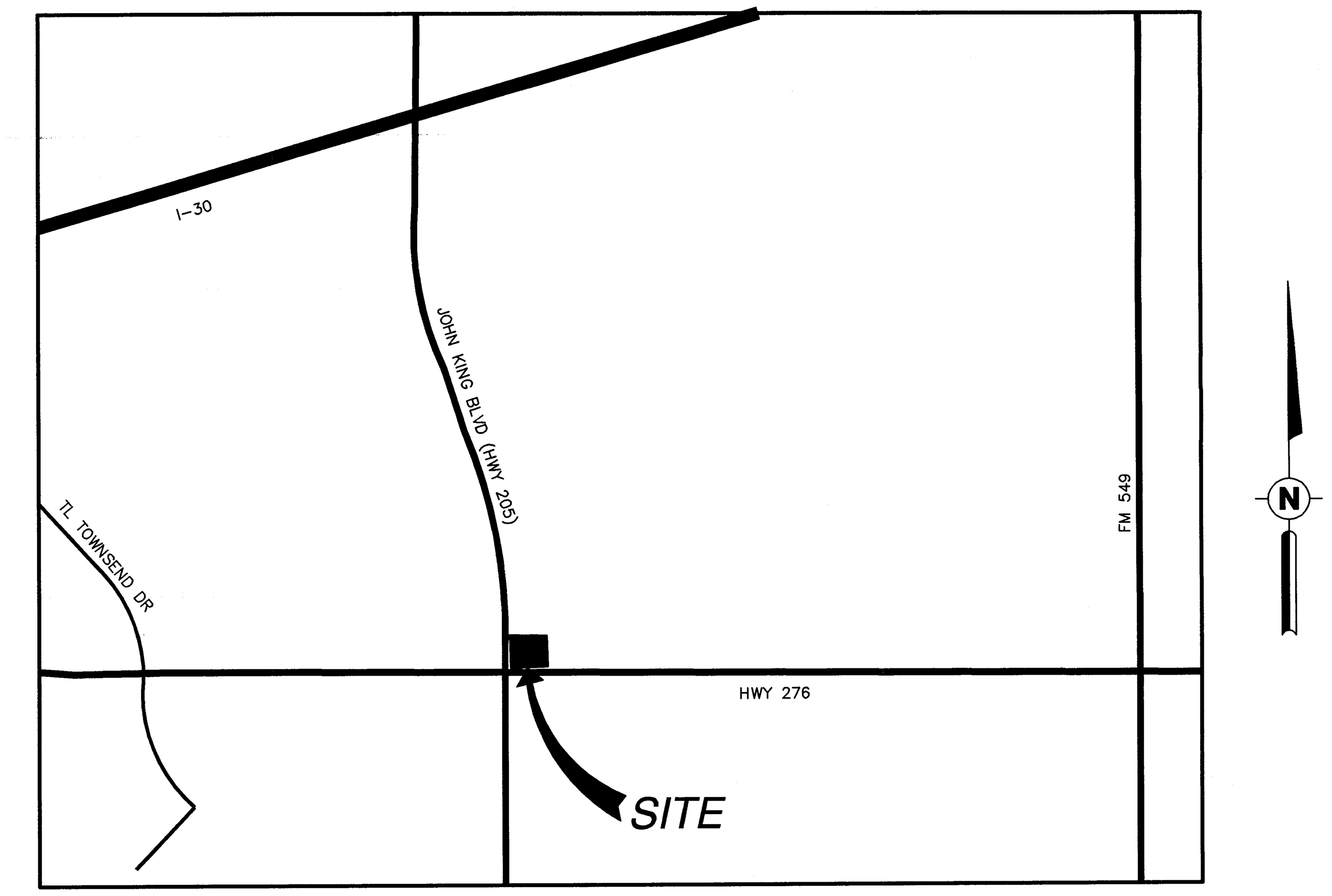
7-ELEVEN

JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
ROCKWALL COUNTY

Verdad
REAL ESTATE



VICINITY MAP
NO SCALE

GENERAL NOTES

1. CONTRACTOR SHALL HAVE ONE SIGNED COPY OF THE APPROVED PLANS AND THE APPROPRIATE STANDARDS AND SPECIFICATIONS ALONG WITH A COPY OF ANY PERMITS AND AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
2. CONTRACTOR SHALL MEET OR EXCEED ALL SITE WORK SPECIFICATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS FOR ALL MATERIALS AND CONSTRUCTION AND CITY OF ROCKWALL STANDARDS AND NCTCOG 3RD EDITION. CONTRACTOR SHALL USE THE MOST CURRENT TXDOT SPECIFICATIONS FOR ALL WORK DONE IN THE TXDOT RIGHT OF WAY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS IS ENCOUNTERED.
5. NO REVISION SHALL BE MADE TO THESE PLANS WITH OUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
7. ANY REFERENCE TO PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
8. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.

FLOOD NOTE

THIS SITE IS NOT IN ANY PRESENTLY ESTABLISHED FLOODWAY OR FLOODPLAIN AS SHOWN IN THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 48397C0045L DATED SEPTEMBER 26,2008.

811 Know what's **below.** **Call** before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

SHEET LIST

C0.0 COVER SHEET
C1.0 SITE PLAN
C1.1 PAVING PLAN
C2.0 GRADING PLAN
C2.1 STORM SEWER PROFILES
C2.2 PRE DEVELOPED DRAINAGE MAP
C2.3 POST DEVELOPED DRAINAGE MAP
C4.0 UTILITY PLAN
C4.1 SANITARY SEWER PROFILES

CONTACTS

DEVELOPER
VERDAD REAL ESTATE
502 N CARROLL AVE, SUITE 120
SOUTHLAKE, TX 76092
817-912-0524
MICHAEL MONTGOMERY

ARCHITECT, ENGINEER, MEP, & FUELING
HARRISON FRENCH & ASSOCIATES
809 SW A ST, SUITE 201
BENTONVILLE, AR 72712
479-273-7780

ZONING
CITY OF ROCKWALL PLANNING & ZONING DEPT
385 S. GOLIAD ST
ROCKWALL, TX 75087
972-771-7745
ROBERT LACROIX

PLANNING
CITY OF ROCKWALL PLANNING & ZONING DEPT
385 S. GOLIAD ST
ROCKWALL, TX 75087
972-771-7745
JODEE SANFORD

FIRE
CITY OF ROCKWALL FIRE DEPT
385 S. GOLIAD ST
ROCKWALL, TX 75087
972-771-7770
ARIANA HARGROVE

HIGHWAY 276
TXDOT
972-962-3848
CHRIS JOHNSON

JOHN KING BLVD
CITY OF ROCKWALL ENGINEERING DEPT
385 S GOLIAD ST
ROCKWALL, TX 75087
972-771-7746
CHUCK TODD

SANITARY SEWER
CITY OF ROCKWALL ENGINEERING DEPT
385 S GOLIAD ST
ROCKWALL, TX 75087
972-771-7746
CHUCK TODD

WATER
CITY OF ROCKWALL ENGINEERING DEPT
385 S GOLIAD ST
ROCKWALL, TX 75087
972-771-7746
CHUCK TODD

STORM WATER
CITY OF ROCKWALL ENGINEERING DEPT
385 S GOLIAD ST
ROCKWALL, TX 75087
972-771-7746
CHUCK TODD

ELECTRIC
ONCOR
214-486-4245
RICHARD BREWSTER

TELEPHONE
AT&T
903-457-2210
ROBERT HALL

TXDOT STANDARDS, SPECIFICATIONS, AND GUIDELINES MUST BE UTILIZED WITHIN TXDOT RIGHT OF WAY.

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

TO THE BEST OF OUR KNOWLEDGE SMITH ENGINEERING, INC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

HFA
ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad REAL ESTATE

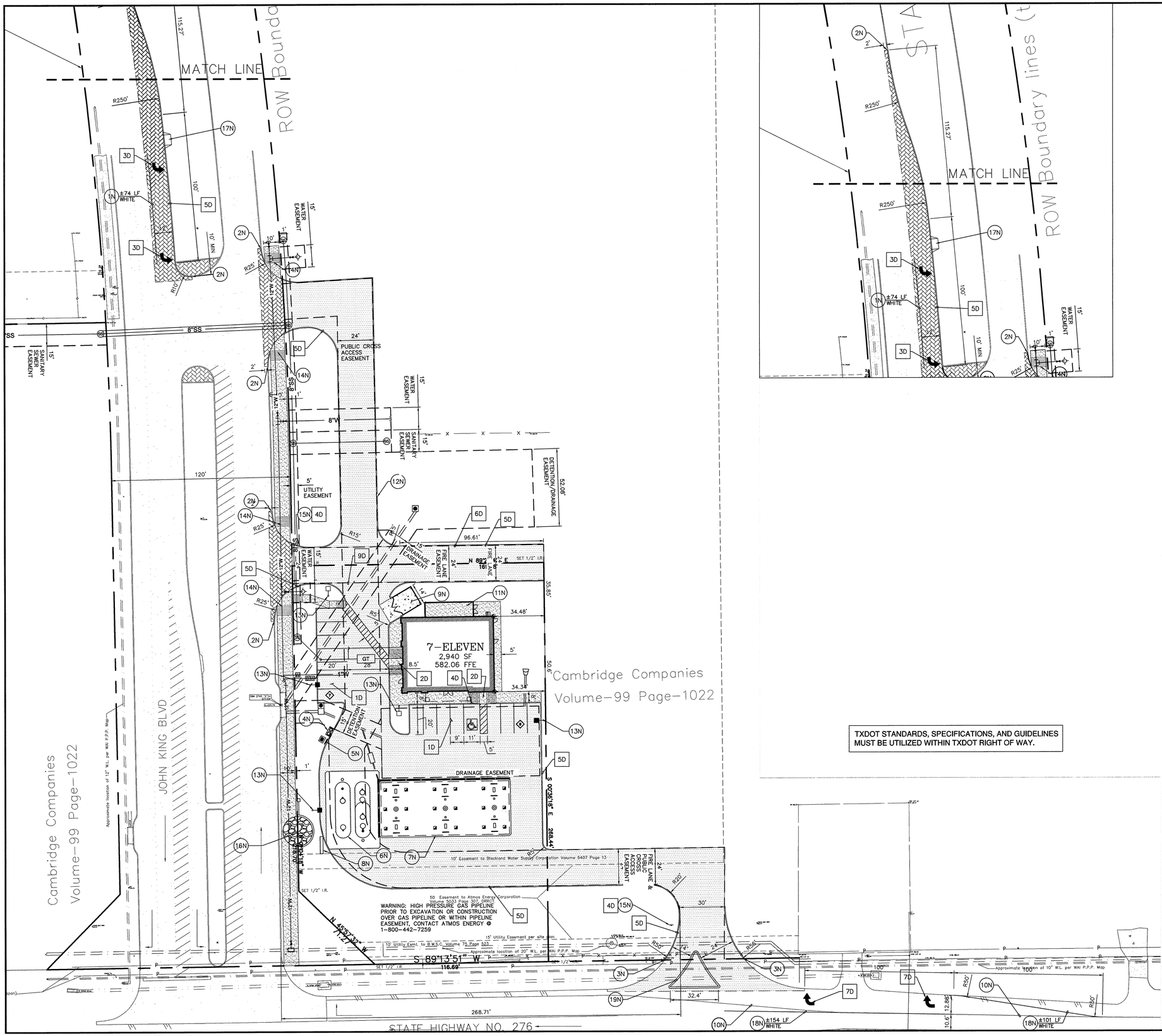
STATE OF TEXAS
THOMAS A. BURRY
111976
LICENSED PROFESSIONAL ENGINEER
2/4/13

TEXAS COA #F-8576

COVER SHEET

AS-BUILT

SHEET: C0.0



PROPOSED

- PROPERTY LINE
- CURBING
- FIRE LANE
- BUILDING CONTROL POINT
- CURB INLET
- ELECTRIC METER
- FIRE HYDRANT
- PARKING COUNT
- FLARED END
- WATER METER
- GT — GREASE TRAP
- SIDEWALKS
- REGULAR DUTY CONCRETE PAVING
- HEAVY DUTY CONCRETE PAVING
- ENTRY DRIVE CONCRETE PAVING

GENERAL SITE NOTES

1. UNLESS OTHERWISE SHOWN, ALL CURB RADII SHALL BE 2' OR 10'.
2. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBING SHALL BE TYPE A PER DETAIL TYPE A CURB, UNLESS OTHERWISE NOTED.
4. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL REGULATIONS AND O.S.H.A. STANDARDS.
5. CONTRACTOR SHALL REFER TO ARCHITECT PLANS FOR EXACT BUILDING LOCATION AND DIMENSIONS AND UTILITY ENTRANCE LOCATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE UNTIL WORK IS ACCEPTED BY THE OWNER.
7. ALL SIGNS SHALL BE PER TMUTCD.
8. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE TRAFFIC CONTROL THROUGHOUT THE PROJECT, INCLUDING PROPER TRAFFIC CONTROL DEVICES AND/OR PERSONNEL AS REQUIRED. THIS INCLUDES BOTH VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH T.M.U.T.C.D.

NOTES

1N. BUTTON TURN LANE LINE PER CITY DETAIL (SEE PLAN FOR COLOR)
2N. TAPER CURB TO MATCH EXISTING
3N. TRANSITION CURB FROM 6 INCHES TO 0 INCHES OVER 2 FEET.
4N. AIR AND VACUUM MACHINE (PER FUELING PLANS)
5N. FUELING VENT PIPES (PER FUELING PLANS)
6N. UNDERGROUND STORAGE TANKS (PER FUELING PLANS)
7N. FUELING CANOPY (PER FUELING PLANS)
8N. MONUMENT SIGN (PER SIGN PLANS)
9N. DUMPSTER PAD
10N. REMOVE EXISTING ALIGNMENT STRIPING AS NECESSARY FOR PROPOSED STRIPING. REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH TXDOT SPECIFICATION ITEM 677. CONTRACTOR SHALL REMOVE STRIPING BY ONE OF TXDOT APPROVED METHODS: FLAILING, WATERBLASTING, OR SANDBLASTING. GRINDING OF PAVEMENT WILL NOT BE ALLOWED.
11N. MECHANICAL ENCLOSURE (PER ARCH PLANS)
12N. CURB CUT, SEE GRADING PLAN
13N. SITE LIGHTING, PER PHOTOMETRIC PLAN
14N. ADA RAMP WITH TRUNCATED DOME PER CITY, SHALL NOT EXCEED 8.33% RUN SLOPE OR 2% GROSS SLOPE.
15N. RIGHT TURN ONLY SIGN, TMUTCD R3-5 PER TXDOT STANDARD TRS (4)-08 AND SMD(TY G)-08
16N. FLAG STONE CIRCLE WITH LIMESTONE SEATING WALL.
17N. LANDSCAPE MAINTENANCE RAMP PER CITY OF ROCKWALL DETAIL
18N. 4" LEFT TURN LANE ALIGNMENT STRIPE PER TXDOT STANDARDS. REMOVE ALL CONTAMINATION AND LOOSE MATERIAL. AVOID DAMAGING THE PAVEMENT SURFACE. PLACE MARKINGS BEFORE OPENING TO TRAFFIC AND APPLY ONE PAVEMENT THAT IS COMPLETELY DRY.
19N. TYPE I CURB AS PER TXDOT STANDARD
20N. PAINT TYPE 1 CURB YELLOW AND PLACE DIAGONAL YELLOW STRIPING ON TOP OF MEDIAN

DETAILS

1D. STRIPING
2D. LINEAR ADA RAMP
3D. FLOW ARROWS
4D. SIGN BASE SUPPORTS
5D. CURB AND GUTTER
6D. FIRE LANE STRIPING
7D. TURN LANE MARKING AS PER TXDOT STANDARD PM(3)-12. REMOVE ALL CONTAMINATION AND LOOSE MATERIAL. AVOID DAMAGING THE PAVEMENT SURFACE. PLACE MARKINGS BEFORE OPENING TO TRAFFIC AND APPLY ONE PAVEMENT THAT IS COMPLETELY DRY.

HFA
ARCHITECTS
ENGINEERS
INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.:	1029049
DOCUMENT DATE:	2/1/2013
CHECKED BY:	JWK
DRAWN BY:	TAB

Verdad REAL ESTATE

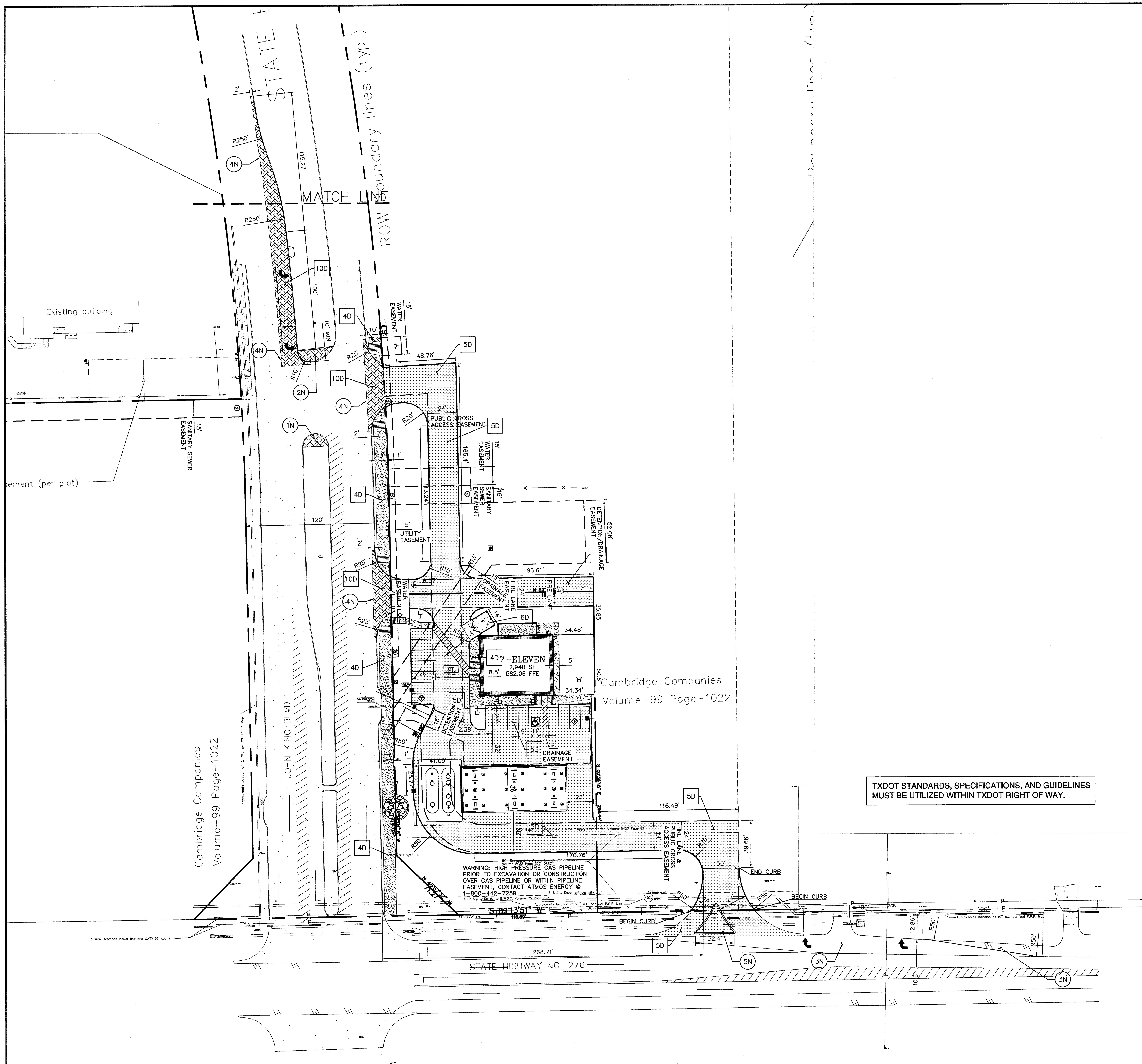
STATE OF TEXAS
THOMAS A. BURRY
111978
LICENSED
PROFESSIONAL ENGINEER
2/4/13

TEXAS COA #F-8576

SITE PLAN

AS-BUILT

SHEET: C1.0



SCALE

1 inch = 40 ft.

PROPOSED

- PROPERTY LINE
- CURBING
- FIRE LANE
- BUILDING CONTROL POINT
- CURB INLET
- ELECTRIC METER
- FIRE HYDRANT
- PARKING COUNT
- FLARED END
- WATER METER
- GT — GREASE TRAP

GENERAL SITE NOTES

1. UNLESS OTHERWISE SHOWN, ALL CURB RADII SHALL BE 2' OR 10'.
2. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBING SHALL BE TYPE A PER DETAIL TYPE A CURB, UNLESS OTHERWISE NOTED.
4. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL REGULATIONS AND O.S.H.A. STANDARDS.
5. CONTRACTOR SHALL REFER TO ARCHITECT PLANS FOR EXACT BUILDING LOCATION AND DIMENSIONS AND UTILITY ENTRANCE LOCATIONS.
6. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND GEOTECHNICAL REPORT DETAILS FOR PAVING DESIGN AND PROPER MATERIALS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE UNTIL WORK IS ACCEPTED BY THE OWNER.
8. ALL SIGNS SHALL BE PER TMUTCD, UNLESS WITHIN TXDOT RIGHT OF WAY. IN TXDOT RIGHT OF WAY USE APPLICABLE STANDARDS.
9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE TRAFFIC CONTROL THROUGHOUT THE PROJECT, INCLUDING PROPER TRAFFIC CONTROL DEVICES AND/OR PERSONNEL AS REQUIRED. THIS INCLUDES BOTH VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH T.M.U.T.C.D.

NOTES

1N. EXISTING STONE PAVERS TO REMAIN
2N. MODIFY EXISTING STONE PAVERS AS NEEDED FOR TURN LANE. SEE STONE PAVER DETAIL PER CITY OF ROCKWALL. PAVERS MUST MATCH EXISTING COLOR AND STYLE.
3N. EXISTING PAVING TO REMAIN. SEE PROPOSED STRIPING PER SITE PLAN.
4N. LONGITUDINAL BUTT JOINT NCTCOG 3RD EDITION AND ROCKWALL STANDARDS
5N. TYPE I CURB AS PER TXDOT STANDARD

DETAILS

4D. 4" THICK SIDEWALK, 3,000 PSI WITH A 5.5 SACK MINIMUM
5D. 6" SURFACE COARSE AT 3,600 PSI ON 6" LIME STABILIZED SUBGRADE. FOR FIRE LANE AREAS USE A 6.5 SACK MIX MINIMUM.
6D. 7" SURFACE COARSE REINFORCED AT 3,600 PSI ON 6" LIME STABILIZED SUBGRADE.
10D. 10" THICK 5,000 PSI CONCRETE ON 8" LIME STABILIZED SUBGRADE USE A 7.5 SACK MIX MINIMUM

TXDOT STANDARDS, SPECIFICATIONS, AND GUIDELINES MUST BE UTILIZED WITHIN TXDOT RIGHT OF WAY.

HFA ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad REAL ESTATE

STATE OF TEXAS THOMAS A. BURRY 111970 LICENSED PROFESSIONAL ENGINEER
2/1/13

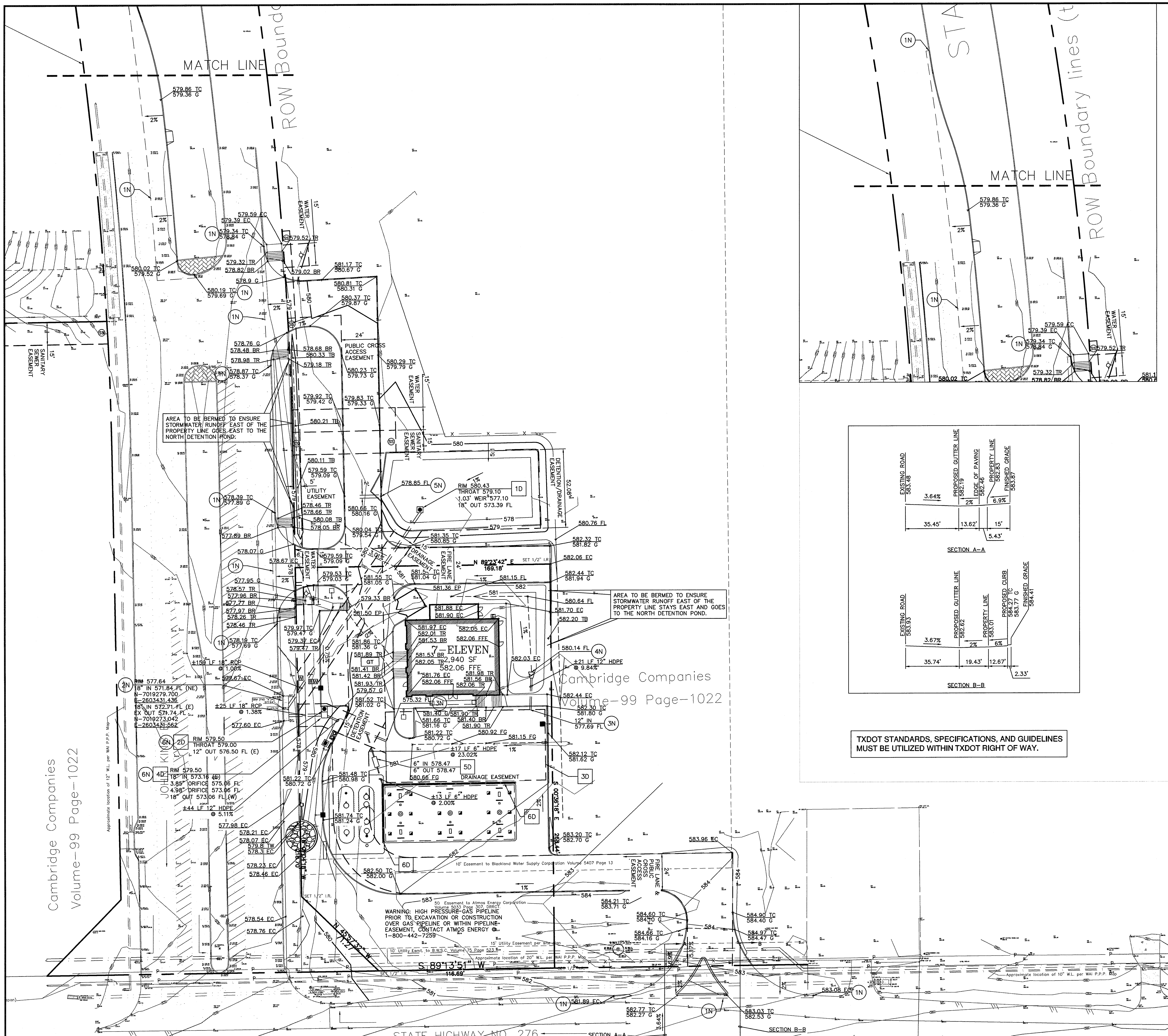
TEXAS COA #F-8576

PAVING PLAN

AS-BUILT

SHEET: C1.1

Feb01,2013–9:58am – User nick.jewett
J:\2011 Projects\11-99009 Rockwall, TX Hwy 276\Civil\Civil Dwgs\Rev-8 (01-31-13) Record Drawings\ 11-99009 PROJ.dwg



SCALE

30 0 30 60

1 inch = 30 ft.

N

PROPOSED

— — —	PROPERTY LINE
- - - -	BREAKLINE
— · · —	LIMITS OF PONDING
═ ═ ═ ═	STORM SEWER
XXX.XX	SPOT ELEVATION
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
G	GUTTER
TC	TOP OF CURB
EP	EDGE OF PAD
EC	EDGE OF CONCRETE
TR	TOP OF RAMP
BR	BOTTOM OF RAMP
FL	FLOW LINE
TB	TOP OF BERM

GENERAL GRADING NOTES

1. ALL STORM PIPE MATERIAL SHALL COMPLY WITH LOCAL REGULATIONS.
2. CONTRACTOR SHALL INSURE THAT ALL STORM PIPE CONNECTIONS ARE WATER TIGHT.
3. ALL STORM SEWER STRUCTURES PLACED IN A PAVED AREA SHALL BE FLUSH WITH FINISH GRADE AND SHALL HAVE A TRAFFIC BEARING FRAME AND LID. ALL STORM SEWER STRUCTURES PLACED IN UNPAVED AREAS SHALL BE 6 INCHES ABOVE FINISH GRADE, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR PAVED AND UNPAVED AREAS.
5. ALL STORM STRUCTURES SHALL HAVE A UNIFORM SMOOTH POURED MORTAR SLOPE FROM INVERT IN TO INVERT OUT.
6. ALL STORM SEWER TRENCHING AND BEDDING SHALL BE PER NCTCOG 3RD EDITION AND ROCKWALL STANDARDS.
7. ALL FILL TO BE COMPACTED TO MIN OF 95% STANDARD DENSITY USING A SHEEP'S FOOT ROLLER.
8. ALL STORM STRUCTURES TO BE MIN 4,200 PSI WITH A 6.5 SACK MIX MINIMUM.
9. ALL DETENTION TO BE INSTALLED AND FUNCTIONING AS DESIGNED PRIOR TO ANY PAVING. FOR ABOVE GROUND DETENTION THE SIDES AND BOTTOM MUST HAVE SOD OR ANCHORED CURLEX PRIOR TO PAVING.

◯ NOTES

1N. SAWCUT LINE/ MATCH EXISTING ELEVATIONS. MINIMUM 2 FEET. LONGITUDINAL BUTT JOINT AT 12". LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE PLANS. ANY DAMAGE INCURRED TO ANY SURROUNDING AREAS SHALL BE REPAIRED / REPLACED AT THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROTECT EXISTING ADJACENT STRUCTURES, PAVEMENT, UTILITIES, LANDSCAPE, ETC. FROM DAMAGE DURING CONSTRUCTION. SAW CUT WITHIN TXDOT RIGHT OF WAY SHALL BE ALONG THE EDGE OF THE EXISTING ASPHALT PAVEMENT AND REMOVE ONLY MATERIAL NEEDED, IN ORDER TO PREPARE A CLEAN STRAIGHT EDGE TO ABUT DRIVEWAY.

2N. CONNECT TO EXISTING CURB INLET

3N. CONNECT TO EXISTING UNDERGROUND CMP STORAGE

4N. ADS FLARED END SECTION SEE DETAIL SHEET C7.1 FOR SPECIFICATIONS

5N. 2' CURB CUT

6N. 5' CURB INLET AND OUTFALL STRUCTURE SHALL SHARE A COMMON WALL WITH A 12" ORIFICE TO ALLOW STORM WATER CONVEYANCE.

☐ DETAILS

1D. 4'x4' DROP INLET OUTFALL STRUCTURE

2D. 5' CURB INLET

3D. CONTECH CMP UNDERGROUND DETENTION

4D. 5' JUNCTION BOX OUTFALL STRUCTURE

5D. CONTECH VORTCLAREX OIL/WATER SEPARATOR

6D. ADS DRAINTECH TRAFFIC RATED CHANNEL DRAIN

HFA
ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

7-ELEVEN

JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS

PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.:	1029049
DOCUMENT DATE:	2/1/2013
CHECKED BY:	JWK
DRAWN BY:	TAB

Verdad REAL ESTATE

STATE OF TEXAS
THOMAS A. BURRY
111978
LICENSED PROFESSIONAL ENGINEER

2/4/13

TEXAS COA #F-8576

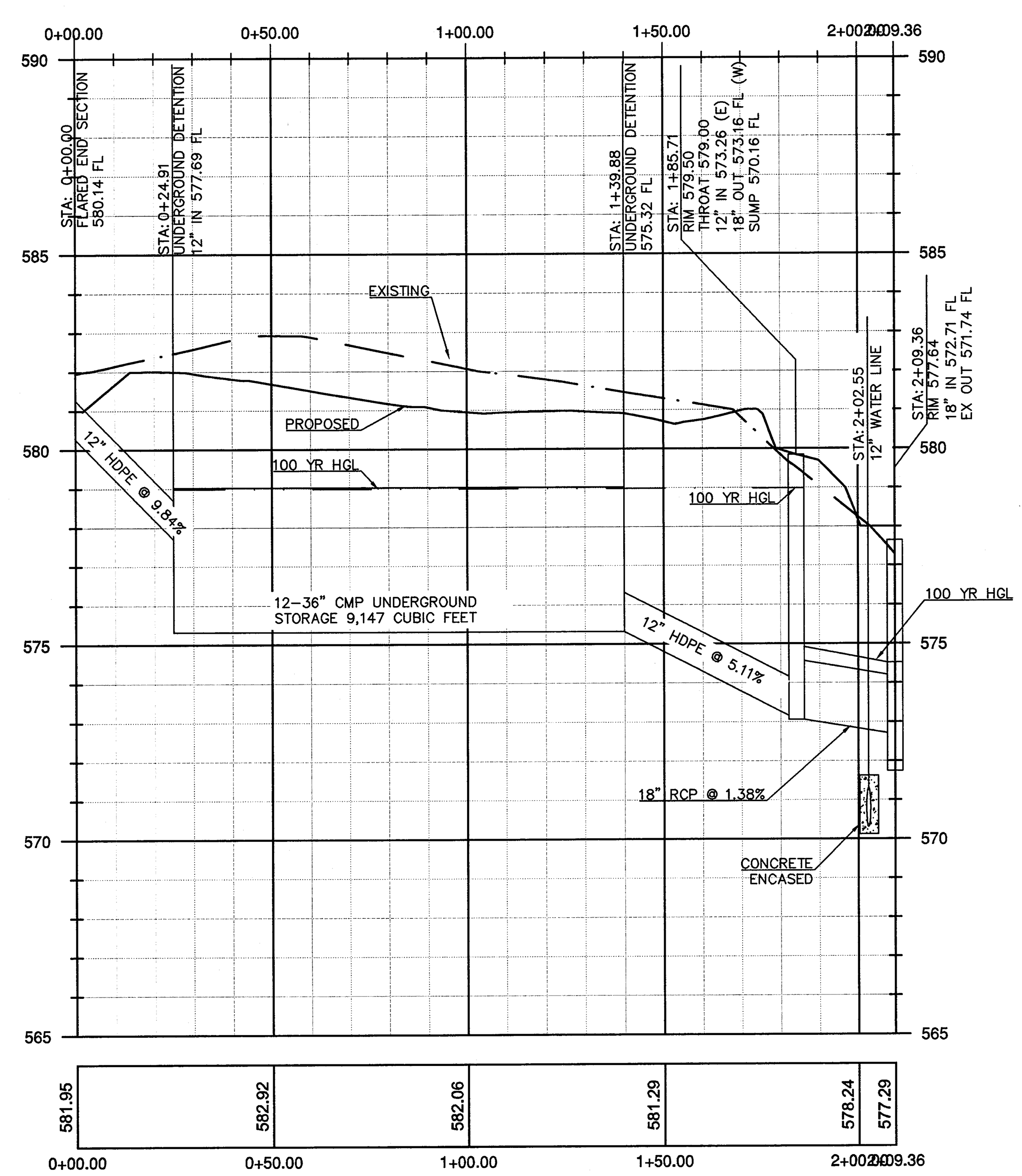
GRADING PLAN

AS-BUILT

SHEET: C2.0

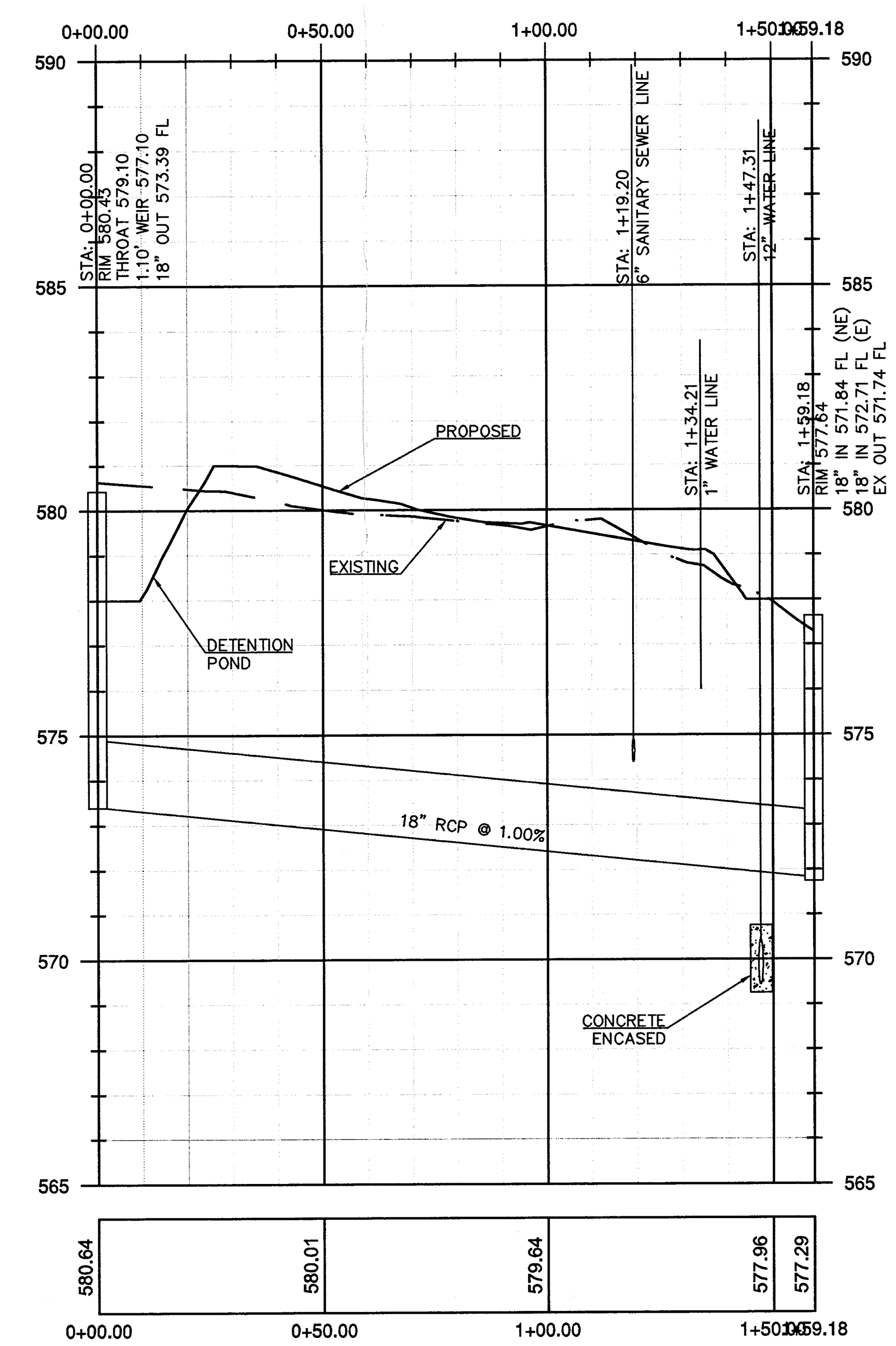
TXDOT STANDARDS, SPECIFICATIONS, AND GUIDELINES
MUST BE UTILIZED WITHIN TXDOT RIGHT OF WAY.

SCALE
30 0 30 60
1 inch = 30 ft.



7-ELEVEN STORM SEWR
Horizontal Scale - 1"=30'
Vertical Scale - 1"=3'

NOTE: INITIAL HYDRAULIC GRADELINE WAS DETERMINED FROM PHASE I S.H. 205 BYPASS FROM S.H. 276 TO INTERSTATE 30 PLANS, SHEET D110, PREPARED BY WIER & ASSOCIATES, INC. DATED 11/30/07.



OFFSITE STORM SEWER
Horizontal Scale - 1"=30'
Vertical Scale - 1"=3'

Feb01,2013-10:07am - User nick.jewett
J:\2011 Projects\11-99009 Rockwall, TX Hwy 276\Civil\Civil Dwgs\Rev-8 (01-31-13) Record Drawings\ 11-99009 PROJ.dwg

HFA ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad REAL ESTATE

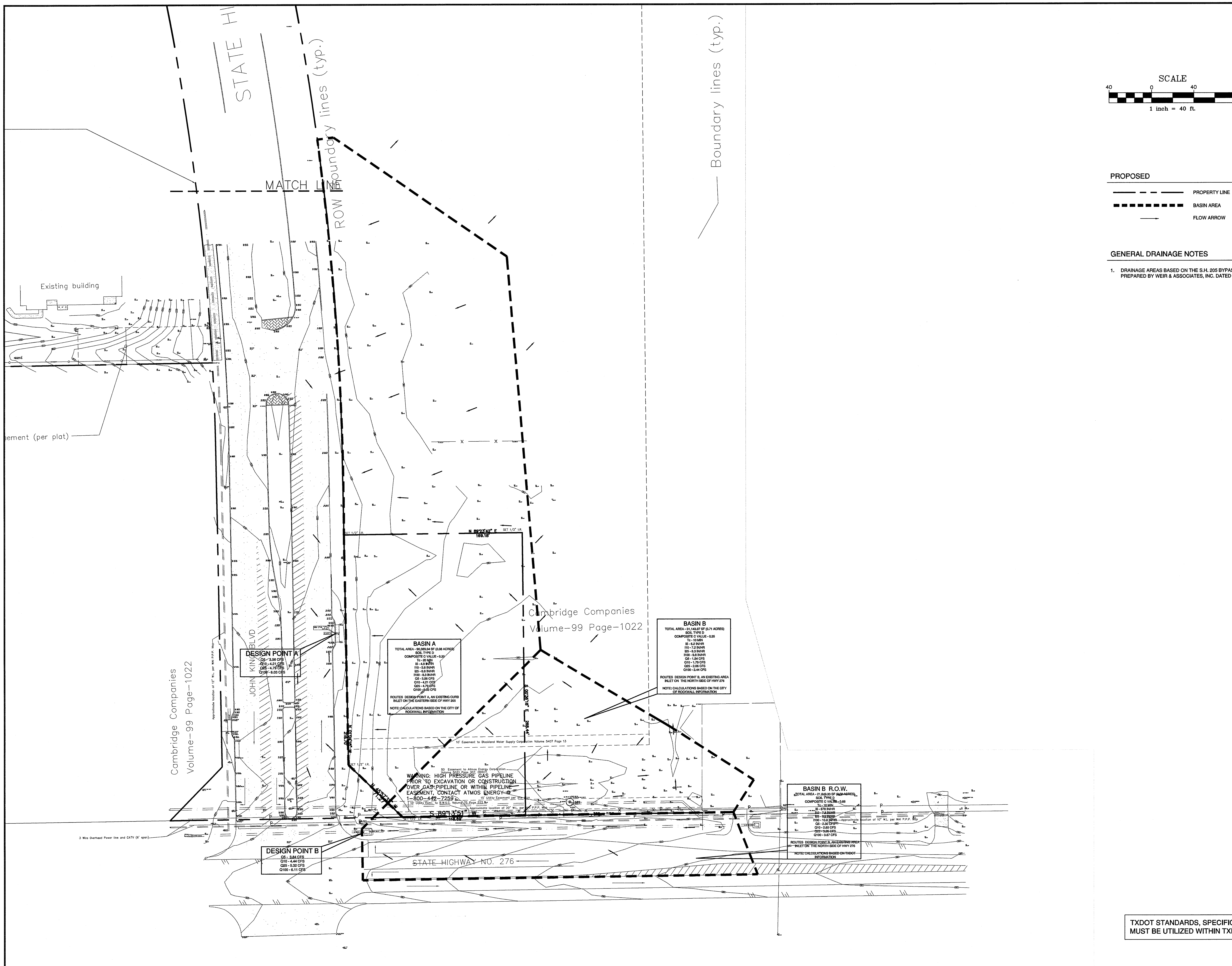
STATE OF TEXAS
THOMAS A. BURRY
111978
LICENSED
PROFESSIONAL ENGINEER
2/1/13

TEXAS COA
#F-8576

STORM SEWER PROFILES

AS-BUILT

SHEET: C2.1



PROPOSED

— — —	PROPERTY LINE
- - - -	BASIN AREA
→	FLOW ARROW

GENERAL DRAINAGE NOTES

1. DRAINAGE AREAS BASED ON THE S.H. 205 BYPASS PHASE I DRAINAGE MAP PREPARED BY WEIR & ASSOCIATES, INC. DATED AUGUST 31, 2006.

TXDOT STANDARDS, SPECIFICATIONS, AND GUIDELINES MUST BE UTILIZED WITHIN TXDOT RIGHT OF WAY.

Feb01,2013–10:07am – User nick.jewett
J:\2011 Projects\11-99009 Rockwall, TX Hwy 276\Civil Dwgs\Rev-8 (01-31-13) Record Drawings\ 11-99009 PROJ.dwg

HFA
ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT:
ROCKWALL, TEXAS
CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON:
2/1/2013
AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad REAL ESTATE

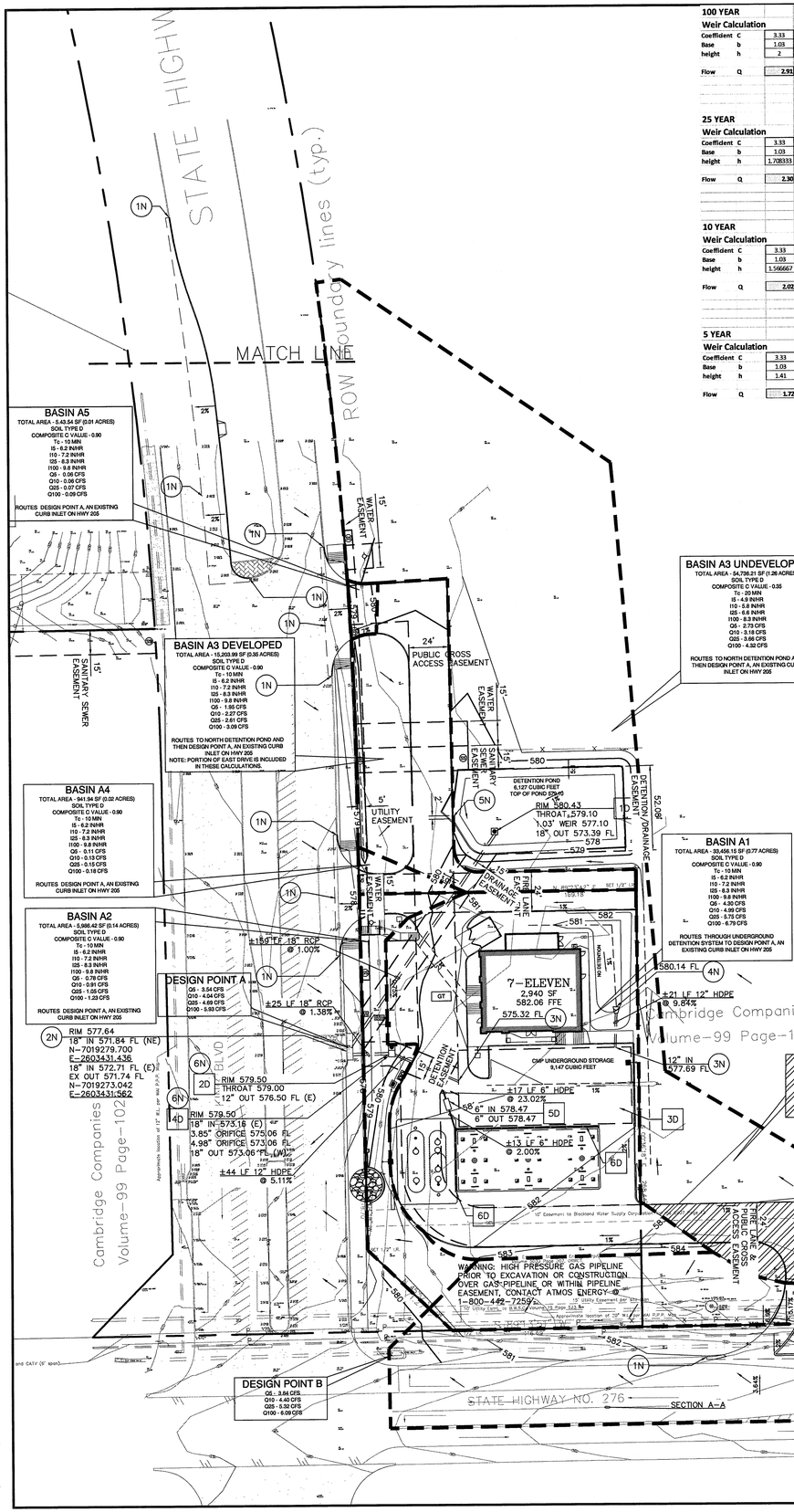
STATE OF TEXAS
THOMAS A. BURRY
111976
LICENSED
PROFESSIONAL ENGINEER
2/4/13

TEXAS COA #F-8576

PRE DEVELOPED DRAINAGE MAP

AS-BUILT

SHEET: C2.2



100 YEAR
Weir Calculation

Coefficient	C	3.33		
Base	b	1.03	ft	
height	h	2	ft	24 in
Flow	Q	2.91	cfs	

25 YEAR
Weir Calculation

Coefficient	C	3.33		
Base	b	1.03	ft	
height	h	1.708333	ft	20.5 in
Flow	Q	2.30	cfs	

10 YEAR
Weir Calculation

Coefficient	C	3.33		
Base	b	1.03	ft	
height	h	1.566667	ft	18.8 in
Flow	Q	2.02	cfs	

5 YEAR
Weir Calculation

Coefficient	C	3.33		
Base	b	1.03	ft	
height	h	1.41	ft	16.92 in
Flow	Q	1.72	cfs	

NORTH DETENTION POND OFF SITE
100 YEAR DETENTION CALCULATION

	Offsite Rate A3 Developed	Offsite Rate A3 Undeveloped	Pre Rate A3 & A4	Pond Bypass Rate A4+A5
Drainage Area (Ac)	0.35	1.26	1.1	0.03
Comp C-Factor	0.90	0.35	0.35	0.9

NOTE: THE PRE RATE AREA DOES NOT EQUAL POST DUE TO ADDITION OF A PORTION OF PRE DEVELOPED BASIN B

Duration Time (min)	Intensity for 100 yr storm (in/hr)	Offsite Rate A3 Developed (cfs)	Offsite Rate A3 Undeveloped (cfs)	Pre Rate A3 & A4 (cfs)	Pond Bypass Rate A4 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	9.8	3.09	4.32	3.20	0.26	2.93	4445.28	1758.54	2687
20	8.3	2.61	3.66	3.20	0.26	2.93	7529.76	2637.81	4892
30	6.9	2.17	3.04	3.20	0.26	2.93	9389.52	3517.08	5872
40	5.8	1.83	2.56	3.20	0.26	2.93	10523.52	4396.35	6127
50	5	1.58	2.21	3.20	0.26	2.93	11340.00	5275.62	6064
60	4.5	1.42	1.98	3.20	0.26	2.93	12247.20	6154.89	6092
70	4	1.26	1.76	3.20	0.26	2.93	12700.80	7034.16	5667
80	3.7	1.17	1.63	3.20	0.26	2.93	13426.56	7913.43	5513
90	3.5	1.10	1.54	3.20	0.26	2.93	14288.40	8792.70	5496
100	3.3	1.04	1.46	3.20	0.26	2.93	14968.80	9671.97	5297
110	2.9	0.91	1.28	3.20	0.26	2.93	14469.84	10551.24	3919

25 YEAR DETENTION CALCULATION

	Offsite Rate A3 Developed	Offsite Rate A3 Undeveloped	Pre Rate A3 & A4	Pond Bypass Rate A4+A5
Drainage Area (Ac)	0.35	1.26	1.1	0.03
Comp C-Factor	0.90	0.35	0.35	0.9

Duration Time (min)	Intensity for 25 yr storm (in/hr)	Offsite Rate A3 Developed (cfs)	Offsite Rate A3 Undeveloped (cfs)	Pre Rate A3 & A4 (cfs)	Pond Bypass Rate A4 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	8.3	2.61	3.66	2.54	0.22	2.32	3764.88	1390.14	2375
20	6.6	2.08	2.91	2.54	0.22	2.32	5987.52	2085.21	3902
30	5.5	1.73	2.43	2.54	0.22	2.32	7484.40	2780.28	4704
40	4.6	1.45	2.03	2.54	0.22	2.32	8346.24	3475.35	4871
50	4	1.26	1.76	2.54	0.22	2.32	9072.00	4170.42	4902
60	3.5	1.10	1.54	2.54	0.22	2.32	9525.60	4865.49	4660
70	3.25	1.02	1.43	2.54	0.22	2.32	10319.40	5560.56	4759
80	3	0.95	1.32	2.54	0.22	2.32	10886.40	6255.63	4631
90	2.8	0.88	1.23	2.54	0.22	2.32	11430.72	6950.70	4480
100	2.4	0.76	1.06	2.54	0.22	2.32	10886.40	7645.77	3241
110	2.2	0.69	0.97	2.54	0.22	2.32	10977.12	8340.84	2636

10 YEAR DETENTION CALCULATION

	Offsite Rate A3 Developed	Offsite Rate A3 Undeveloped	Pre Rate A3 & A4	Pond Bypass Rate A4+A5
Drainage Area (Ac)	0.35	1.26	1.1	0.03
Comp C-Factor	0.90	0.35	0.35	0.9

Duration Time (min)	Intensity for 10 yr storm (in/hr)	Offsite Rate A3 Developed (cfs)	Offsite Rate A3 Undeveloped (cfs)	Pre Rate A3 & A4 (cfs)	Pond Bypass Rate A4 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	7.2	2.27	3.18	2.23	0.19	2.04	3265.92	1223.16	2043
20	5.8	1.83	2.56	2.23	0.19	2.04	5261.76	1834.74	3427
30	4.8	1.51	2.12	2.23	0.19	2.04	6531.84	2446.32	4086
40	4	1.26	1.76	2.23	0.19	2.04	7257.60	3057.90	4200
50	3.4	1.07	1.50	2.23	0.19	2.04	7711.20	3669.48	4042
60	3	0.95	1.32	2.23	0.19	2.04	8164.80	4281.06	3884
70	2.9	0.91	1.28	2.23	0.19	2.04	9208.08	4892.64	4315
80	2.7	0.85	1.19	2.23	0.19	2.04	9797.76	5504.22	4294
90	2.4	0.76	1.06	2.23	0.19	2.04	9797.76	6115.80	3682
100	2.2	0.69	0.97	2.23	0.19	2.04	9979.20	6727.38	3252
110	2	0.63	0.88	2.23	0.19	2.04	9979.20	7338.96	2640

5 YEAR DETENTION CALCULATION

	Offsite Rate A3 Developed	Offsite Rate A3 Undeveloped	Pre Rate A3 & A4	Pond Bypass Rate A4+A5
Drainage Area (Ac)	0.35	1.26	1.1	0.03
Comp C-Factor	0.90	0.35	0.35	0.9

Duration Time (min)	Intensity for 5 yr storm (in/hr)	Offsite Rate A3 Developed (cfs)	Offsite Rate A3 Undeveloped (cfs)	Pre Rate A3 & A4 (cfs)	Pond Bypass Rate A4 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	6.2	1.95	2.73	1.89	0.17	1.72	2812.32	1031.46	1781
20	4.9	1.54	2.16	1.89	0.17	1.72	4445.28	1547.19	2898
30	4	1.26	1.76	1.89	0.17	1.72	5443.20	2062.92	3380
40	3.4	1.07	1.50	1.89	0.17	1.72	6168.96	2578.65	3590
50	2.9	0.91	1.28	1.89	0.17	1.72	6577.20	3094.38	3483
60	2.5	0.79	1.10	1.89	0.17	1.72	6804.00	3610.11	3194
70	2.4	0.76	1.06	1.89	0.17	1.72	7620.48	4125.84	3495
80	2.2	0.69	0.97	1.89	0.17	1.72	7983.36	4641.57	3342
90	2	0.63	0.88	1.89	0.17	1.72	8164.80	5157.30	3008
100	1.8	0.57	0.79	1.89	0.17	1.72	8164.80	5673.03	2492
110	1.6	0.50	0.71	1.89	0.17	1.72	7983.36	6188.76	1795

GENERAL DRAINAGE NOTES

1. AREA B DRAINS TO THE INLET ON THE NORTH SIDE OF 276. THIS DRAINAGE AREA LIES IN THE ATMOS ENERGY EASEMENT AND CANNOT BE USED FOR DETENTION. AREA A IS OVER DETAINING FOR THIS POST DEVELOPED AREA.
2. THE NORTH DETENTION POND WAS DESIGNED FOR THE DEVELOPMENT OF THE ACCESS DRIVES TO THE NORTH AND EAST OF THE 7-ELEVEN LOT. THIS POND WAS NOT DESIGNED FOR DEVELOPED CONDITIONS FOR BASIN A3. WHEN FUTURE DEVELOPMENT OCCURS THIS POND WILL NEED TO BE ADJUSTED TO ACCOUNT FOR THE ADDITIONAL STORMWATER RUNOFF.

GENERAL GRADING NOTES

1. ALL STORM PIPE MATERIAL SHALL COMPLY WITH LOCAL REGULATIONS.
2. CONTRACTOR SHALL INSURE THAT ALL STORM PIPE CONNECTIONS ARE WATER TIGHT.
3. ALL STORM SEWER STRUCTURES PLACED IN A PAVED AREA SHALL BE FLUSH WITH FINISH GRADE AND SHALL HAVE A TRAFFIC BEARING FRAME AND LID. ALL STORM SEWER STRUCTURES PLACED IN UNPAVED AREAS SHALL BE 6 INCHES ABOVE FINISH GRADE, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR PAVED AND UNPAVED AREAS.
5. ALL STORM STRUCTURES SHALL HAVE A UNIFORM SMOOTH POURED MORTAR SLOPE FROM INVERT IN TO INVERT OUT.
6. ALL STORM SEWER TRENCHING AND BEDDING SHALL BE PER NCTCOG 3RD EDITION AND ROCKWALL STANDARDS.
7. ALL FILL TO BE COMPACTED TO MIN OF 95% STANDARD DENSITY USING A SHEEP'S FOOT ROLLER.
8. ALL STORM STRUCTURES TO BE MIN 4,200 PSI WITH A 6.5 SACK MIX MINIMUM.
9. ALL DETENTION TO BE INSTALLED AND FUNCTIONING AS DESIGNED PRIOR TO ANY PAVING. FOR ABOVE GROUND DETENTION THE SIDES AND BOTTOM MUST HAVE SOD OR ANCHORED CURLEX PRIOR TO PAVING.

NOTES

1N. SAWCUT LINE/ MATCH EXISTING ELEVATIONS. MINIMUM 2 FEET. LONGITUDINAL BUTT JOINT AT 12"
2N. CONNECT TO EXISTING CURB INLET
3N. CONNECT TO EXISTING UNDERGROUND CMP STORAGE
4N. ADS FLARED END SECTION SEE DETAIL SHEET C7.1 FOR SPECIFICATIONS
5N. 2' CURB CUT
6N. 5' CURB INLET AND OUTFALL STRUCTURE SHALL SHARE A COMMON WALL WITH A 12" ORIFICE TO ALLOW STORM WATER CONVEYANCE.

DETAILS

1D. 4'x4' DROP INLET OUTFALL STRUCTURE
2D. 5' CURB INLET
3D. CONTECH CMP UNDERGROUND DETENTION
4D. 5' JUNCTION BOX OUTFALL STRUCTURE
5D. CONTECH VORTCLAREX OIL/WATER SEPARATOR

SCALE
40 0 40 80
1 inch = 40 ft.

N

PROPOSED

PROPERTY LINE
BREAKLINE
STORM SEWER
BASIN AREA
FLOW ARROW

TXDOT STANDARDS, SPECIFICATIONS, AND GUIDELINES MUST BE UTILIZED WITHIN TXDOT RIGHT OF WAY.

100 YEAR
Orifice 1 Calculation

Coefficient	C	0.6		
Diameter	d	4.98	in	0.415 ft
Open Area	A			0.135265 sq. ft.
	g	32.2	ft/s^2	
Head	H	35	in	2.9167 ft
Flow	Q	1.07	cfs	

Orifice 2 Calculation

Coefficient	C	0.6		
Diameter	d	3.85	in	0.320833 ft
Open Area	A			0.080844 sq. ft.
	g	32.2	ft/s^2	
Head	H	11	in	0.9167 ft
Flow	Q	0.34	cfs	

25 YEAR
Orifice 1 Calculation

Coefficient	C	0.6		
Diameter	d	4.98	in	0.415 ft
Open Area	A			0.135265 sq. ft.
	g	32.2	ft/s^2	
Head	H	26	in	2.1667 ft
Flow	Q	0.91	cfs	

Orifice 2 Calculation

Coefficient	C	0.6		
Diameter	d	3.85	in	0.320833 ft
Open Area	A			0.080844 sq. ft.
	g	32.2	ft/s^2	
Head	H	3	in	0.2500 ft
Flow	Q	0.12	cfs	

10 YEAR
Orifice 1 Calculation

Coefficient	C	0.6		
Diameter	d	4.98	in	0.415 ft
Open Area	A			0.135265 sq. ft.
	g	32.2	ft/s^2	
Head	H	24	in	2.0000 ft
Flow	Q	0.87		

5 YEAR
Orifice 1 Calculation

Coefficient	C	0.6		
Diameter	d	4.98	in	0.415 ft
Open Area	A			0.135265 sq. ft.
	g	32.2	ft/s^2	
Head	H	19.8	in	1.6500 ft
Flow	Q	0.78		

UNDERGROUND DETENTION
100 YEAR DETENTION CALCULATION

	Onsite Rate A1	Pre Rate A1 & A2	Pond Bypass Rate A2
Drainage Area (Ac)	0.77	0.91	0.14
Comp C-Factor	0.90	0.35	0.9

Duration Time (min)	Intensity for 100 yr storm (in/hr)	Onsite Rate (cfs)	Pre Rate A1 & A2 (cfs)	Pond Bypass Rate A2 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	9.8	6.79	2.64	1.23	1.41	4074.84	845.25	3230
20	8.3	5.75	2.64	1.23	1.41	6902.28	1267.88	5634
30	6.9	4.78	2.64	1.23	1.41	8607.06	1690.50	6917
40	5.8	4.02	2.64	1.23	1.41	9646.56	2113.13	7533
50	5	3.47	2.64	1.23	1.41	10395.00	2535.75	7859
60	4.5	3.12	2.64	1.23	1.41	11226.00	2958.38	8268
70	4	2.77	2.64	1.23	1.41	11642.40	3381.00	8261
80	3.7	2.56	2.64	1.23	1.41	12307.68	3803.63	8504
90	3.5	2.43	2.64	1.23	1.41	13097.70	4226.25	8871
100	3.3	2.29	2.64	1.23	1.41	13721.40	4648.88	9073
110	2.9	2.01	2.64	1.23	1.41	13264.02	5071.50	8193

25 YEAR DETENTION CALCULATION

	Onsite Rate A1	Pre Rate A1 & A2	Pond Bypass Rate A2
Drainage Area (Ac)	0.77	0.91	0.14
Comp C-Factor	0.90	0.35	0.9

Duration Time (min)	Intensity for 25 yr storm (in/hr)	Onsite Rate (cfs)	Pre Rate A1 & A2 (cfs)	Pond Bypass Rate A2 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	8.3	5.75	2.10	1.05	1.06	3451.14	633.78	2817
20	6.6	4.57	2.10	1.05	1.06	5488.56	950.67	4538
30	5.5	3.81	2.10	1.05	1.06	6860.70	1267.56	5593
40	4.6	3.19	2.10	1.05	1.06	7650.72	1584.45	6066
50	4	2.77	2.10	1.05	1.06	8316.00	1901.34	6415
60	3.5	2.43	2.10	1.05	1.06	8731.80	2218.23	6514
70	3.25	2.25	2.10	1.05	1.06	9459.45	2535.12	6924
80	3	2.08	2.10	1.05	1.06	9979.20	2852.01	7127
90	2.8	1.94	2.10	1.05	1.06	10478.16	3168.90	7309
100	2.4	1.66	2.10	1.05	1.06	9979.20	3485.79	6493
110	2.2	1.52	2.10	1.05	1.06	10062.36	3802.68	6260

10 YEAR DETENTION CALCULATION

	Onsite Rate A1	Pre Rate A1 & A2	Pond Bypass Rate A2
Drainage Area (Ac)	0.77	0.91	0.14
Comp C-Factor	0.90	0.35	0.9

Duration Time (min)	Intensity for 10 yr storm (in/hr)	Onsite Rate (cfs)	Pre Rate A1 & A2 (cfs)	Pond Bypass Rate A2 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	7.2	4.99	1.85	0.91	0.94	2993.76	564.06	2430
20	5.8	4.02	1.85	0.91	0.94	4823.28	846.09	3977
30	4.8	3.33	1.85	0.91	0.94	5987.52	1128.12	4859
40	4	2.77	1.85	0.91	0.94	6652.80	1410.15	5243
50	3.4	2.36	1.85	0.91	0.94	7068.60	1692.18	5376
60	3	2.08	1.85	0.91	0.94	7484.40	1974.21	5510
70	2.9	2.01	1.85	0.91	0.94	8440.74	2256.24	6185
80	2.7	1.87	1.85	0.91	0.94	8981.28	2538.27	6443
90	2.4	1.66	1.85	0.91	0.94	8981.28	2820.30	6161
100	2.2	1.52	1.85	0.91	0.94	9147.60	3102.33	6045
110	2	1.39	1.85	0.91	0.94	9147.60	3384.36	5763

5 YEAR DETENTION CALCULATION

	Onsite Rate A1	Pre Rate A1 & A2	Pond Bypass Rate A2
Drainage Area (Ac)	0.77	0.91	0.14
Comp C-Factor	0.90	0.35	0.9

Duration Time (min)	Intensity for 5 yr storm (in/hr)	Onsite Rate (cfs)	Pre Rate A1 & A2 (cfs)	Pond Bypass Rate A2 (cfs)	Outflow Allowed (cfs)	Inflow (cf)	Outflow (cf)	Required Storage (cf)
10	6.2	4.30	1.56	0.78	0.78	2577.96	467.67	2110
20	4.9	3.40	1.56	0.78	0.78	4074.84	701.51	3373
30	4	2.77	1.56	0.78	0.78	4989.60	935.34	4054
40	3.4	2.36	1.56	0.78	0.78	5654.88	1169.18	4486
50	2.9	2.01	1.56	0.78	0.78	6029.10	1403.01	4626
60	2.5	1.73	1.56	0.78	0.78	6237.00	1636.85	4600
70	2.4	1.66	1.56	0.78	0.78	6985.44	1870.68	5115
80	2.2	1.52	1.56	0.78	0.78	7318.08	2104.52	5214
90	2	1.39	1.56	0.78	0.78	7484.40	2338.35	5146
100	1.8	1.25	1.56	0.78	0.78	7484.40	2572.19	4912
110	1.6	1.11	1.56	0.78	0.78	7318.08	2806.02	4512

HFA
ARCHITECTS
ENGINEERS
INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad REAL ESTATE

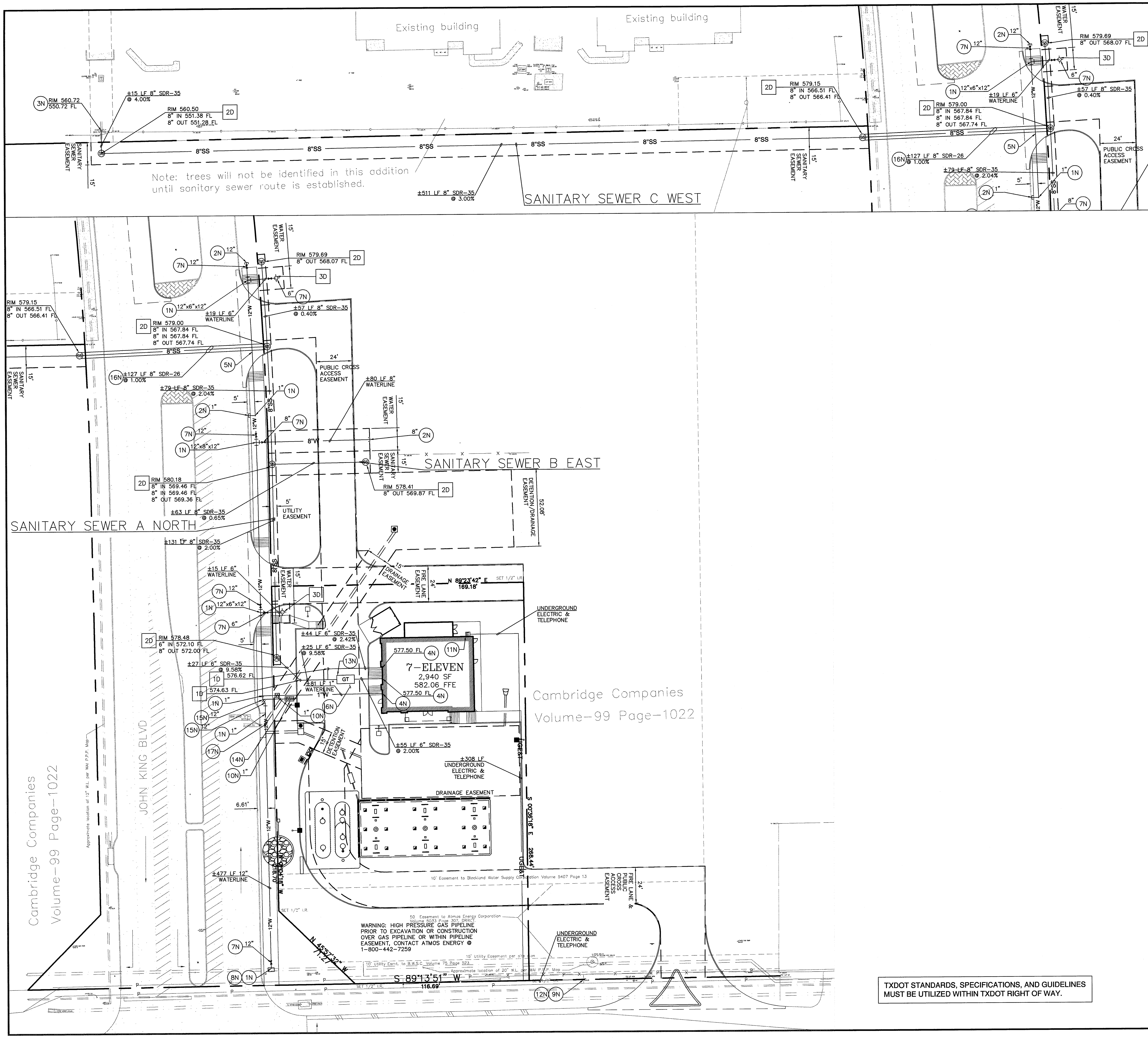
STATE OF TEXAS
THOMAS A. BURRY
111978
LICENSED
PROFESSIONAL ENGINEER
2/4/13

TEXAS COA #F-8576

POST DEVELOPED DRAINAGE MAP

AS-BUILT

SHEET: C2.3



SCALE

30 0 30 60

1 inch = 30 ft.

N

PROPOSED

——— ——— ———	PROPERTY LINE
——— X"W ———	WATERLINE
——— X"SS ———	SANITARY SEWER LINE
——— UGE&T ———	UNDERGROUND ELECTRIC AND TELEPHONE
= = = = = = = = =	STORM SEWER

GENERAL UTILITY NOTES

1. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND IS RESPONSIBLE TO REPAIR ANY DAMAGE TO EXISTING UTILITIES AND ADJUSTMENTS DUE TO CHANGE IN GRADE OF ALL EXISTING UTILITIES, INCLUDING DRAINAGE, DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. ALL UTILITIES ARE SHOWN FROM INFORMATION GATHERED AND SHOULD NOT BE USED AS EXACT. CONTRACTOR SHALL VERIFY EXACT DEPTHS AND LOCATIONS PRIOR TO UTILITY INSTILLATION.
3. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY FOR INSTALLATION AND SPECIFICATION REQUIREMENTS.
4. ALL PIPE MATERIALS SHALL COMPLY WITH LOCAL REGULATIONS.
5. ALL TRENCHING AND BEDDING SHALL BE PER THE UTILITY TRENCH AND BEDDING DETAIL.
6. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING UTILITY TIE INS.
7. ALL THRUST BLOCKING SHALL BE PER NCTCOG 3RD EDITION AND ROCKWALL STANDARDS.
8. WATER LINES CROSSING THE ATMOS EASEMENT WILL NEED TO BE PLACED AT LEAST 2 FEET BELOW THE TRANSMISSION LINE.
9. ALL WATER LINES SHALL BE CLASS 200
10. ALL DOMESTIC AND IRRIGATION TAPS TO HAVE BACKFLOW WITH DOUBLE CHECKS AT ALL METERS.
11. ALL MANHOLES TO BE RAVEN LINED OR APPROVED EQUAL.
12. INSTALL BLUE EMS DISKS ON THE WATER LINE AT EVERY CHANGE IN DIRECTION, VALVE, FIRE HYDRANT, OR SERVICE.
13. INSTALL GREEN EMS DISKS ON THE SANITARY SEWER LINE AT EVERY CHANGE IN DIRECTION, MANHOLE, CLEANOUT, AND SERVICE CONNECTION.
14. RIM ELEVATIONS FOR SANITARY SEWER MANHOLES TO THE WEST OF JOHN KING BLVD SHALL BE FIELD VERIFIED TO WORK WITH EXISTING GRADES. TOPOGRAPHIC INFORMATION WAS NOT DETERMINED IN THIS AREA AND RIM ELEVATIONS HAVE BEEN ESTIMATED.

◯ NOTES

- 1N. M.J. TEE
- 2N. CAP AND PLUG
- 3N. CONNECT TO EXISTING MANHOLE
- 4N. CONNECT TO BUILDING PER MEP PLANS
- 5N. MAINTAIN 24" VERTICAL SEPARATION
- 6N. MAINTAIN 10' HORIZONTAL SEPARATION
- 7N. GATE VALVE
- 8N. CONNECT TO EXISTING 20" WATER LINE WITH TAPPING SLEEVE PER CITY OF ROCKWALL
- 9N. CONNECT TO EXISTING ELECTRICAL SERVICE PER ONCOR
- 10N. 1" WATER METER PER CITY OF ROCKWALL
- 11N. ELECTRIC METER PER ONCOR
- 12N. CONNECT TO EXISTING TELEPHONE SERVICE PER VERIZON
- 13N. GREASE TRAP PER MECHANICAL PLANS.
- 14N. BACKFLOW PREVENTER PER IRRIGATION PLAN, SEE SHEET C6.0
- 15N. 45° BEND SEE PLAN FOR SIZE
- 16N. DIRECTIONAL BORE PER THE CITY OF ROCKWALL.
- 17N. CONCRETE ENCASE WATER PIPE TO 10 FEET ON BOTH SIDES OF STORM SEWER CROSSING.

☐ DETAILS

- 1D. CLEANOUT PER NCTCOG 3RD EDITION AND ROCKWALL STANDARDS
- 2D. 5' SANITARY SEWER MANHOLE PER NCTCOG 3RD EDITION AND ROCKWALL STANDARDS
- 3D. FIRE HYDRANT

HFA
ARCHITECTS ENGINEERS INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

ELEVEN

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK	

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad REAL ESTATE

STATE OF TEXAS
THOMAS A. BURRY
111976
LICENSED
PROFESSIONAL ENGINEER
2/1/13

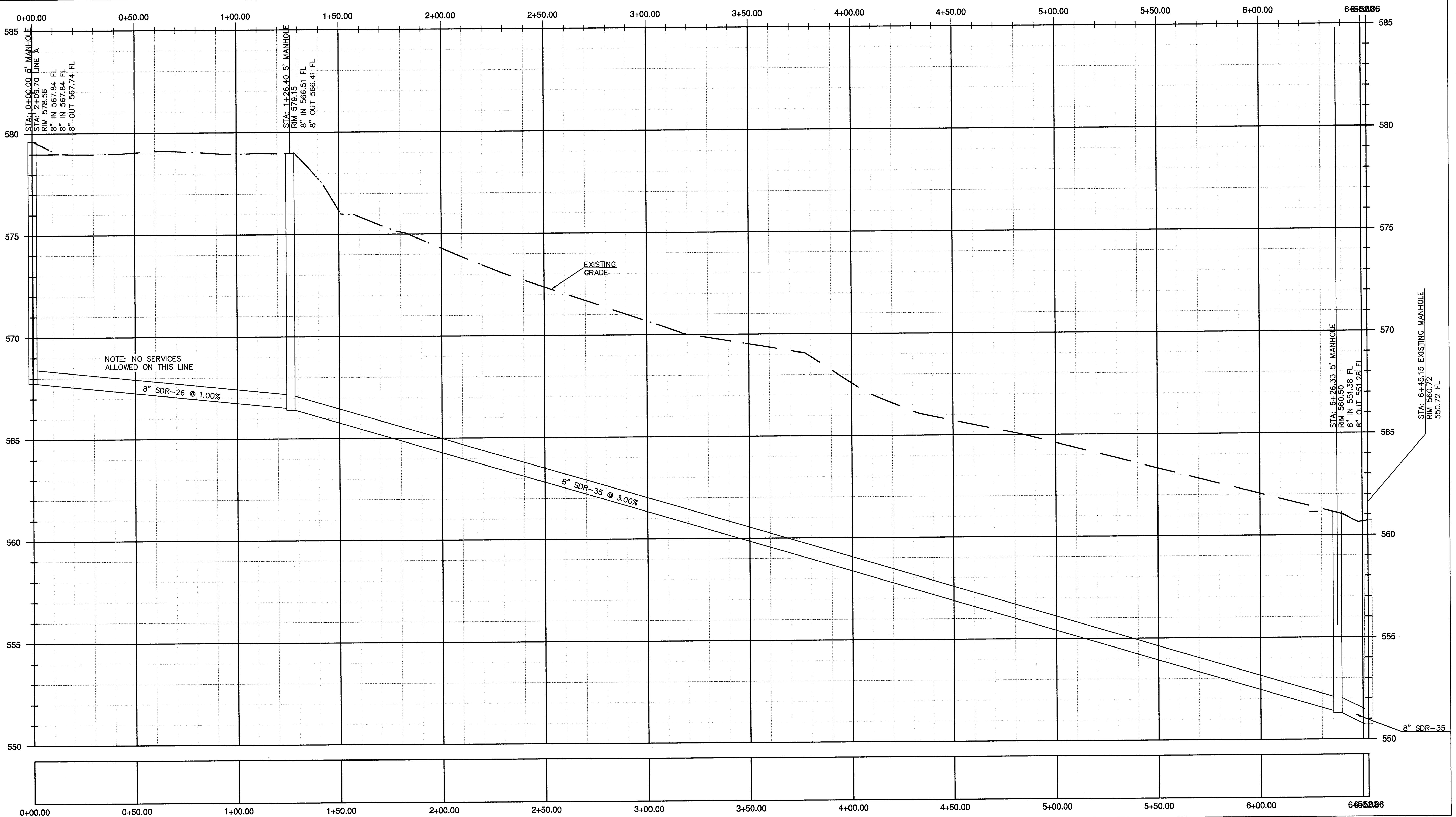
TEXAS COA
#F-8576

UTILITY PLAN

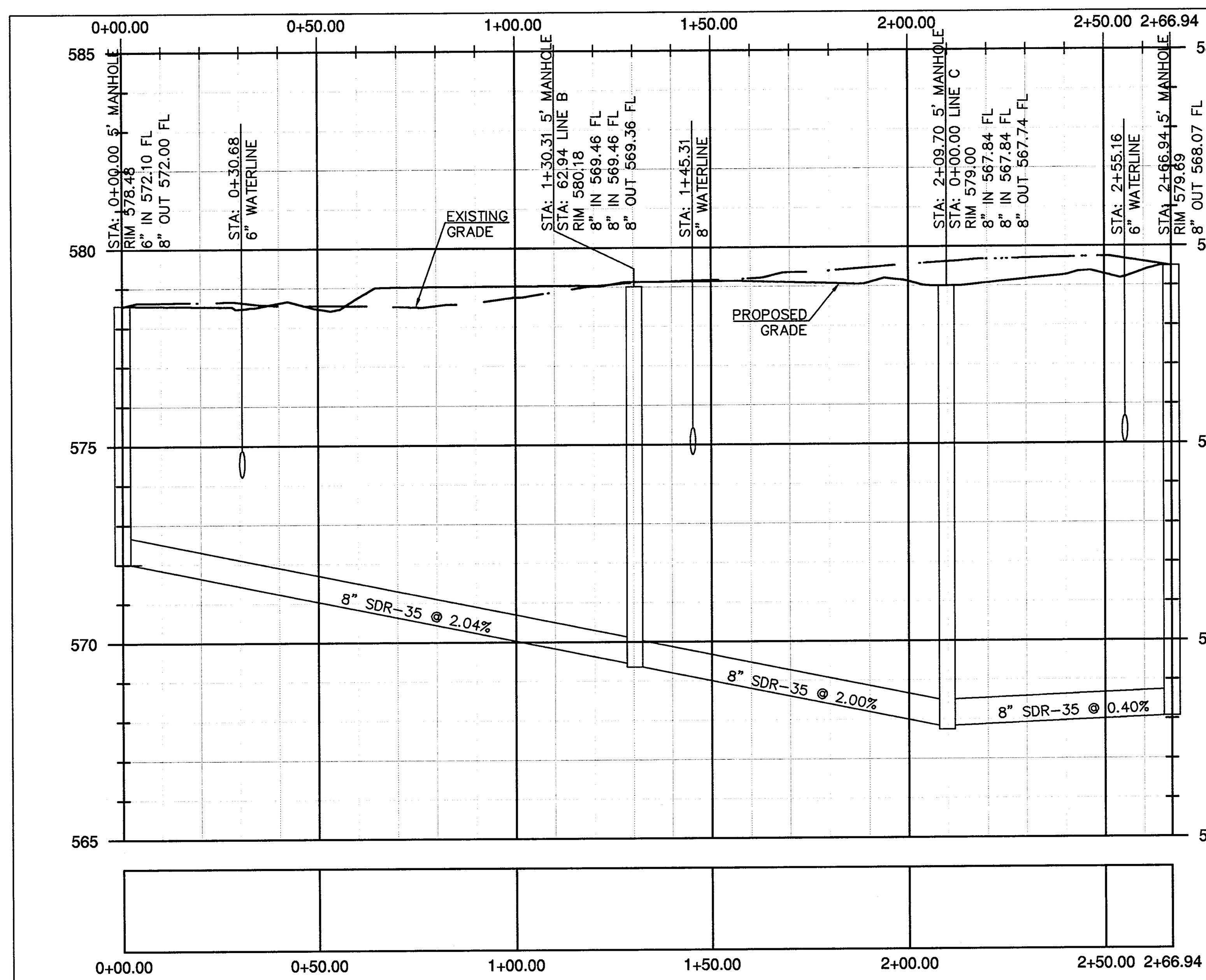
AS-BUILT

SHEET: C4.0

Feb04,2013–11:28am – User nick.jewett
J:\2011 Projects\11-99009 Rockwall, TX Hwy 276\Civil\Civil Dwgs\Rev-8 (01-31-13) Record Drawings\ 11-99009 PROJ.dwg

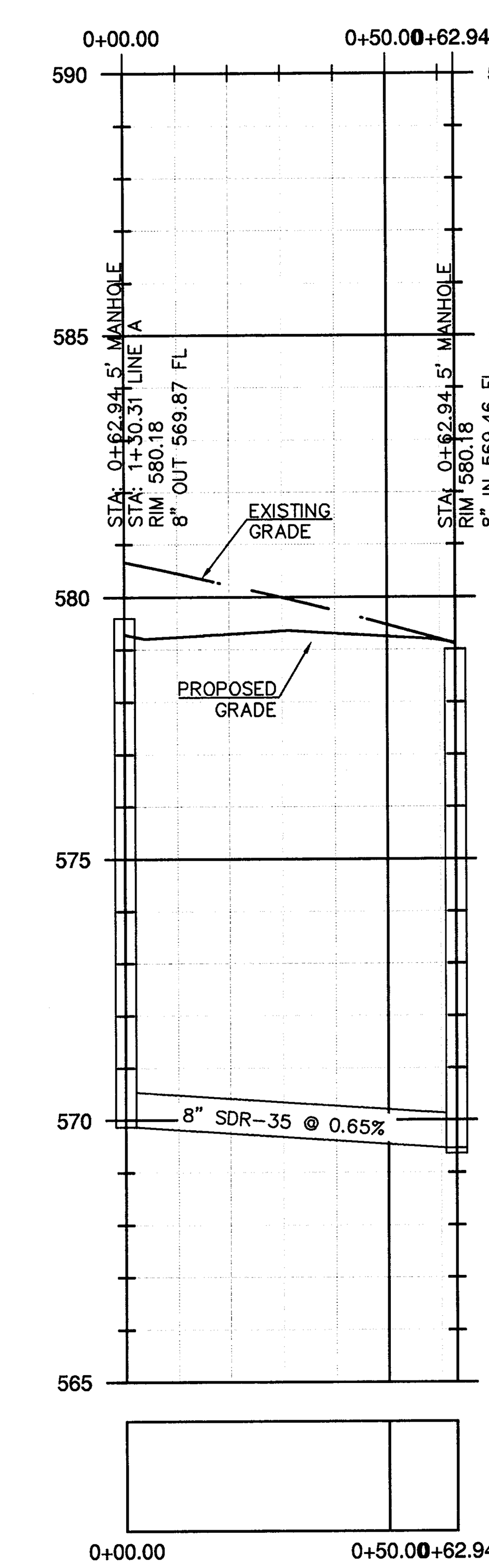


8 IN SANITARY SEWER C WEST
Horizontal Scale - 1"=30'
Vertical Scale - 1"=3'



8 IN SANITARY SEWER A NORTH
Horizontal Scale - 1"=30'
Vertical Scale - 1"=3'

TXDOT STANDARDS, SPECIFICATIONS, AND GUIDELINES MUST BE UTILIZED WITHIN TXDOT RIGHT OF WAY.



8 IN SANITARY SEWER B EAST
Horizontal Scale - 1"=30'
Vertical Scale - 1"=3'

HFA
ARCHITECTS
ENGINEERS
INTERIORS
HARRISON FRENCH & ASSOCIATES, LTD
809 S.W. A Street, Suite 201
Bentonville, Arkansas 72712
t 479.273.7780
f 479.273.9436
www.hfa-ae.com

ELEVEN

7-ELEVEN
JOHN KING BLVD & HWY 276
ROCKWALL, TEXAS
PROJ NUMBER: 12-11-99009

ISSUE BLOCK	

STORE NO.: 1029049
DOCUMENT DATE: 2/1/2013
CHECKED BY: JWK
DRAWN BY: TAB

Verdad
REAL ESTATE

STATE OF TEXAS
THOMAS A. BURRY
111978
LICENSED
PROFESSIONAL ENGINEER
2/4/13

TEXAS COA
#F-8576

SANITARY
SEWER
PROFILES

AS-BUILT

SHEET:
C4.1