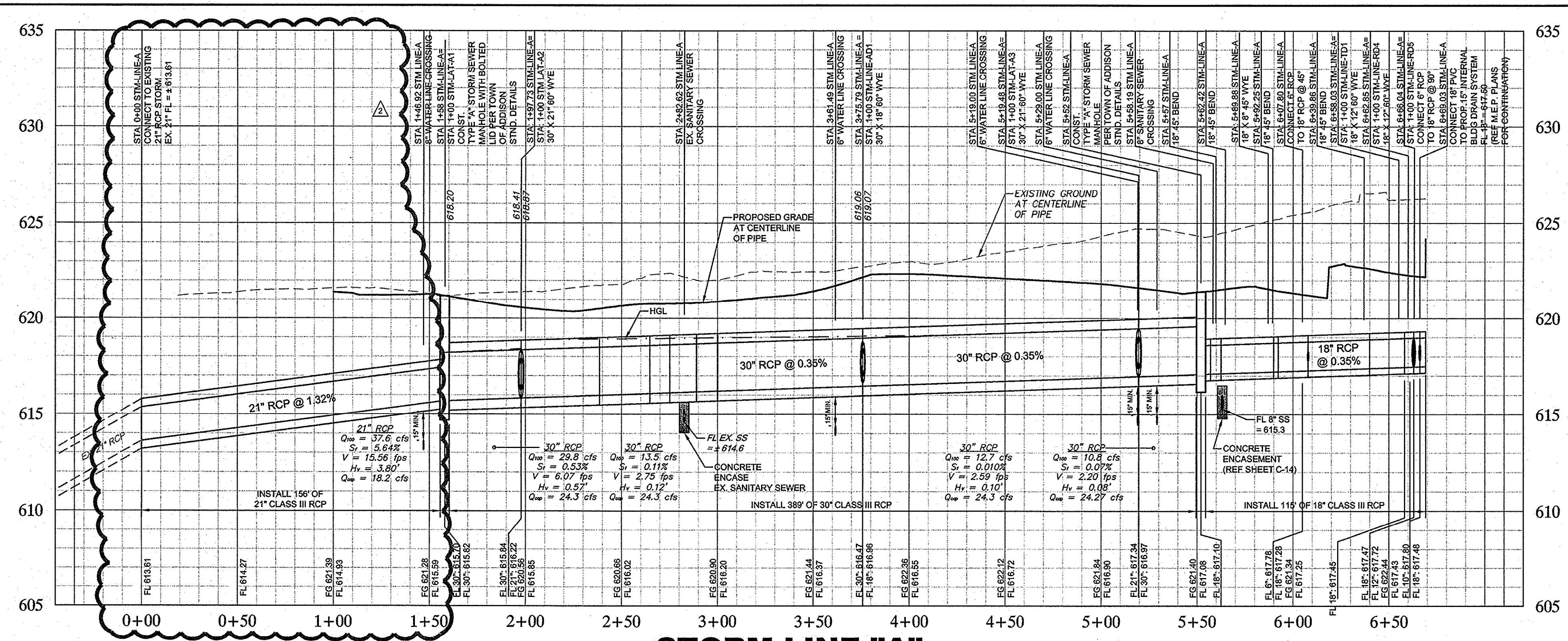
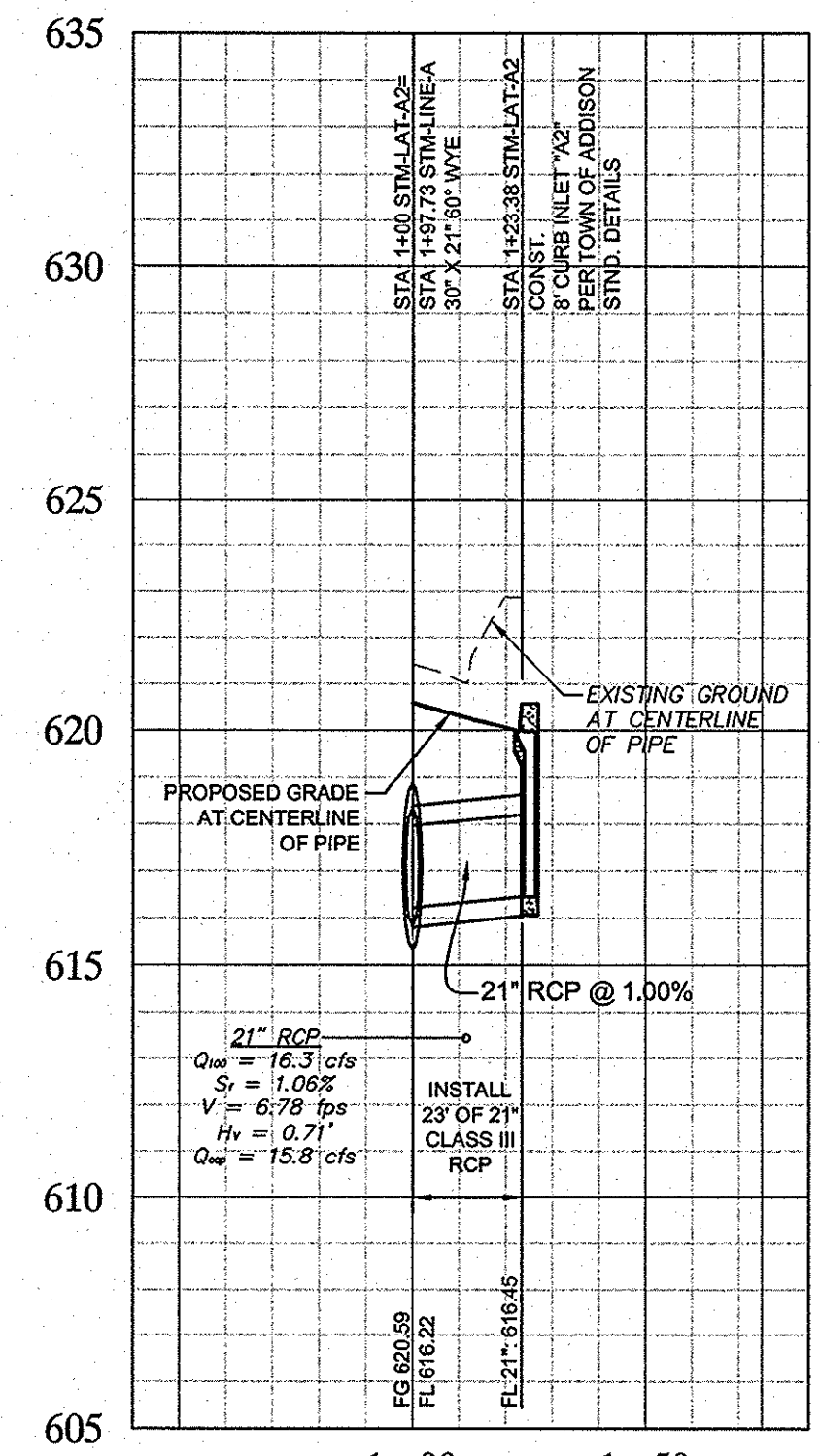


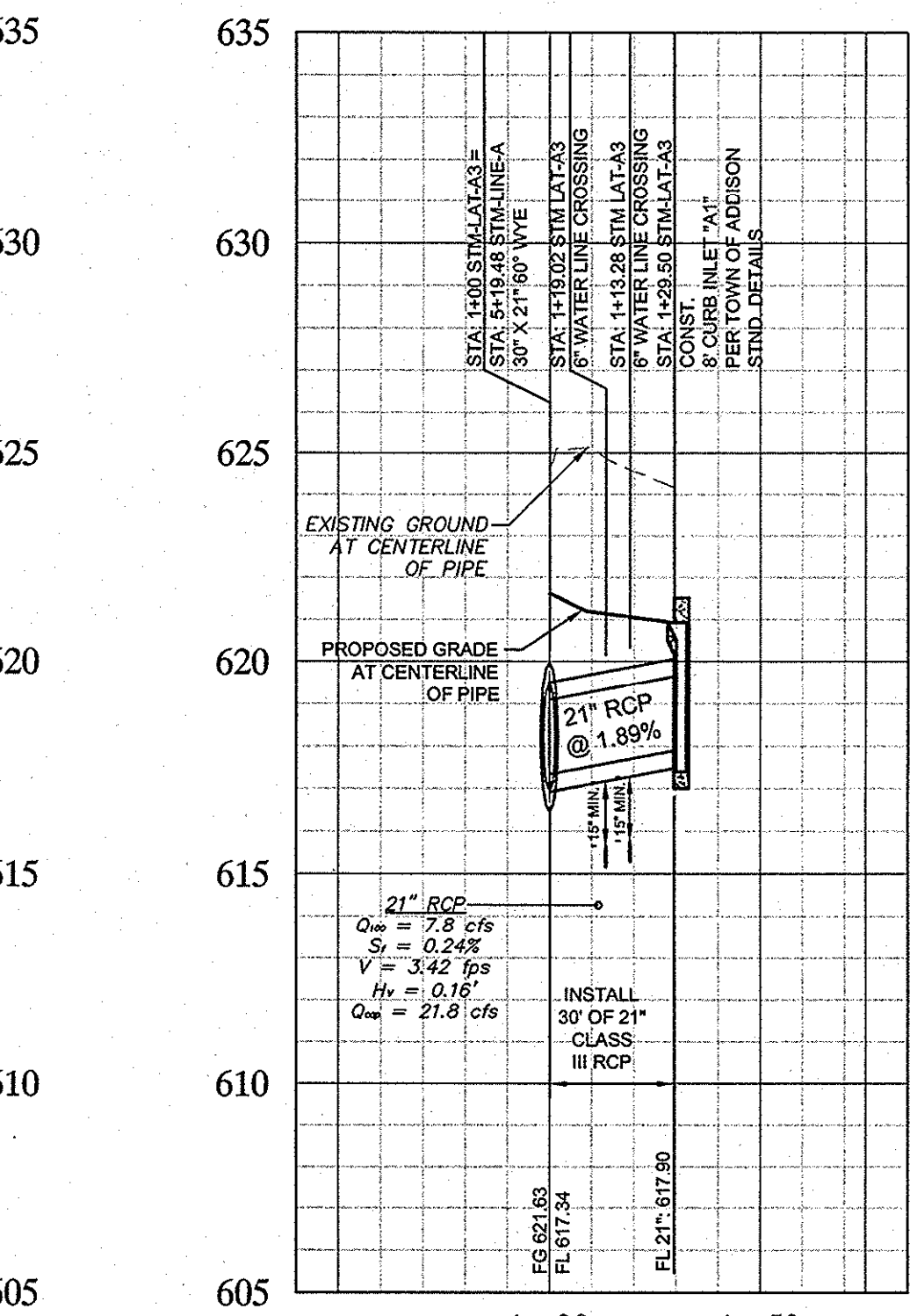
DRAWN BY: KIMLEY-HORN AND ASSOCIATES, INC. DATE: 11/15/2012
 CHECKED BY: DATE: 11/15/2012
 DESIGNED BY: DATE: 11/15/2012
 PROJECT NO.: 111500210000



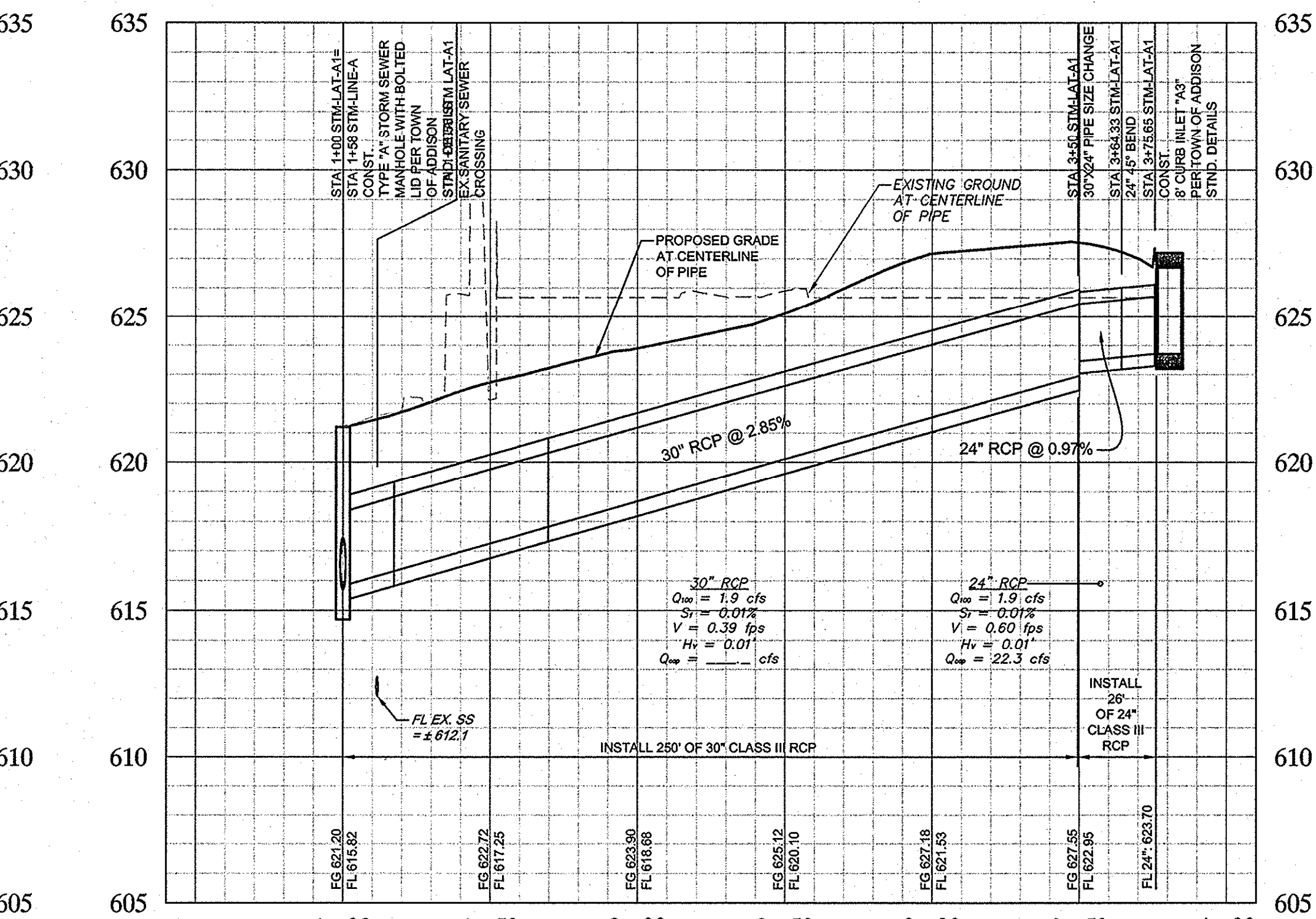
STORM LINE "A"



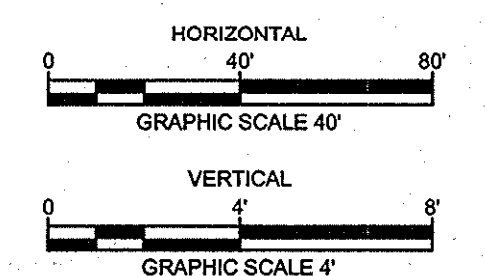
STORM LAT "A2"



STORM LINE "A3"



STORM LAT "A-1"



RECORD DRAWINGS
 (October 2013)
 Information Provided By:
BOB MOORE
CONSTRUCTION

NOTE
 PRIOR TO CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY SHOULD THERE BE ANY DISCREPANCIES OR IF EXISTING FIELD CONDITIONS VARY FROM THOSE SHOWN ON THESE PLANS.

!!WARNING!!
 EXISTING UTILITIES IN THE AREA. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE PROVIDER PRIOR TO START OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WHERE NECESSARY AND PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN). IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT THEIR OWN EXPENSE.

STOP!
CALL BEFORE YOU DIG
DIG TESS
1-800-DIG-TESS
 (at least 72 hours prior to digging)

BENCHMARKS
 BM 1 2" BRASS DISK STAMPED "TXDOT COA-5 GPS" 180" SOUTH FROM THE INTERSECTION OF EDWIN LEWIS DRIVE AND QUORUM DRIVE; 2" FROM WEST EDGE OF SIDEWALK; 50.5" FROM THE WEST SIDE OF MEDIAN IN QUORUM DRIVE & 76" FROM FIRE HYDRANT.
 ELEV=630.10
 BM 2 2" BRASS DISK STAMPED "TXDOT COA-10 GPS" AT THE NORTHWEST CORNER OF HAVENSHIRE PLACE AND BELLBROOK DRIVE; 21.80" FROM SANITARY SEWER MANHOLE; 11.10" FROM STREET SIGN & 2.45" TO PC IN SIDEWALK.
 ELEV=593.89
 BM 3 CITY OF DALLAS WATER DEPT. BENCHMARK "C" ON CONCRETE BASE OF 6" BRICK WALL AT THE NORTHEAST CORNER OF CELESTIAL ROAD AND MONTFORT DRIVE.
 ELEV=626.81

Manning's n:		C factor		Frequency:		Intensity:		Updated:		Calculated by:		Checked by:													
0.013		0.9		100 (years)		9.27 in/hr		9/17/2012		TBB		TBB													
Downstream Station	Upstream Station	DRAINAGE AREA				RUNOFF		Proposed Storm Sewer Slope	Slope of Hydraulic Gradient Based on Pipe Size	Full Flow Capacity	Q ₁₀₀ Flow Velocity	Head Loss Coeff.	Velocity Head Loss at Upstream Station	Pipe Flowline Elev.	Pipe Flowline Elev.	Top of Pipe Elev.	Top of Pipe Elev.	Hg Elev.	Hg Elev.	Full/Partial Flow					
		Distance Between Collection Points "L" (feet)	Drainage Area Name	Incremental "A" (acres)	Accumulative "A" (acres)	Runoff Coeff. "C"	Accumulative "CA" (acres)														Intensity "I" (in./hr.)	Incremental "Q" (c.f.s.)	Accumulative "Q" (c.f.s.)	Diameter "d" (in.)	Slope "S _p " (ft/ft)
1	2	3	4	5	6	7	8	9	10	11	13	16	17	18	21	27	28	30	29	32	31	34	33	35	
Storm Sewer Line A																									
5+52.00																		619.58						PARTIAL	
5+19.48	5+52.00	32.52	BLDG-A/VD-1	1.30	1.30	0.90	1.17	9.27	10.8	10.8	30	0.0035	0.0007	24.3	2.21	1.25	0.09	617.08	617.08	619.58	619.58	619.24	619.26	619.26	PARTIAL
3+75.79	5+19.48	143.69	A1	0.23	1.53	0.90	1.38	9.27	1.9	12.8	30	0.0035	0.0010	24.3	2.60	1.00	0.03	616.97	616.97	619.47	619.47	619.24	619.21	619.21	FULL
1+97.73	3+75.79	178.06	AD-1-AD-5	0.09	1.62	0.90	1.46	9.27	0.8	13.5	30	0.0035	0.0011	24.3	2.75	1.00	0.01	616.47	616.47	618.97	618.97	619.07	619.06	619.06	FULL
1+58.00	1+97.73	39.73	A2	1.95	3.57	0.90	3.21	9.27	16.3	29.8	30	0.0035	0.0053	24.3	6.07	1.00	0.45	615.84	615.84	618.34	618.34	618.87	618.41	618.41	FULL
1+58.00	1+58.00	58.00	A3	0.94	4.51	0.90	4.06	9.27	7.8	37.6	21	0.0035	0.0564	9.4	15.64	1.00	3.23	615.70	615.70	618.20	618.20	618.20	620.52	620.52	FULL

Kimley-Horn and Associates, Inc.

State of Texas Registration No. F-928

5750 GENESIS COURT, SUITE 200, FRISCO, TX, 75034

PHONE: 972-335-3580 FAX: 972-335-3779

WWW.KIMLEY-HORN.COM

11/15/2012 TBB

DATE

VILLAGE ON THE PARKWAY ADDISON, TEXAS

STORM SEWER PROFILES

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