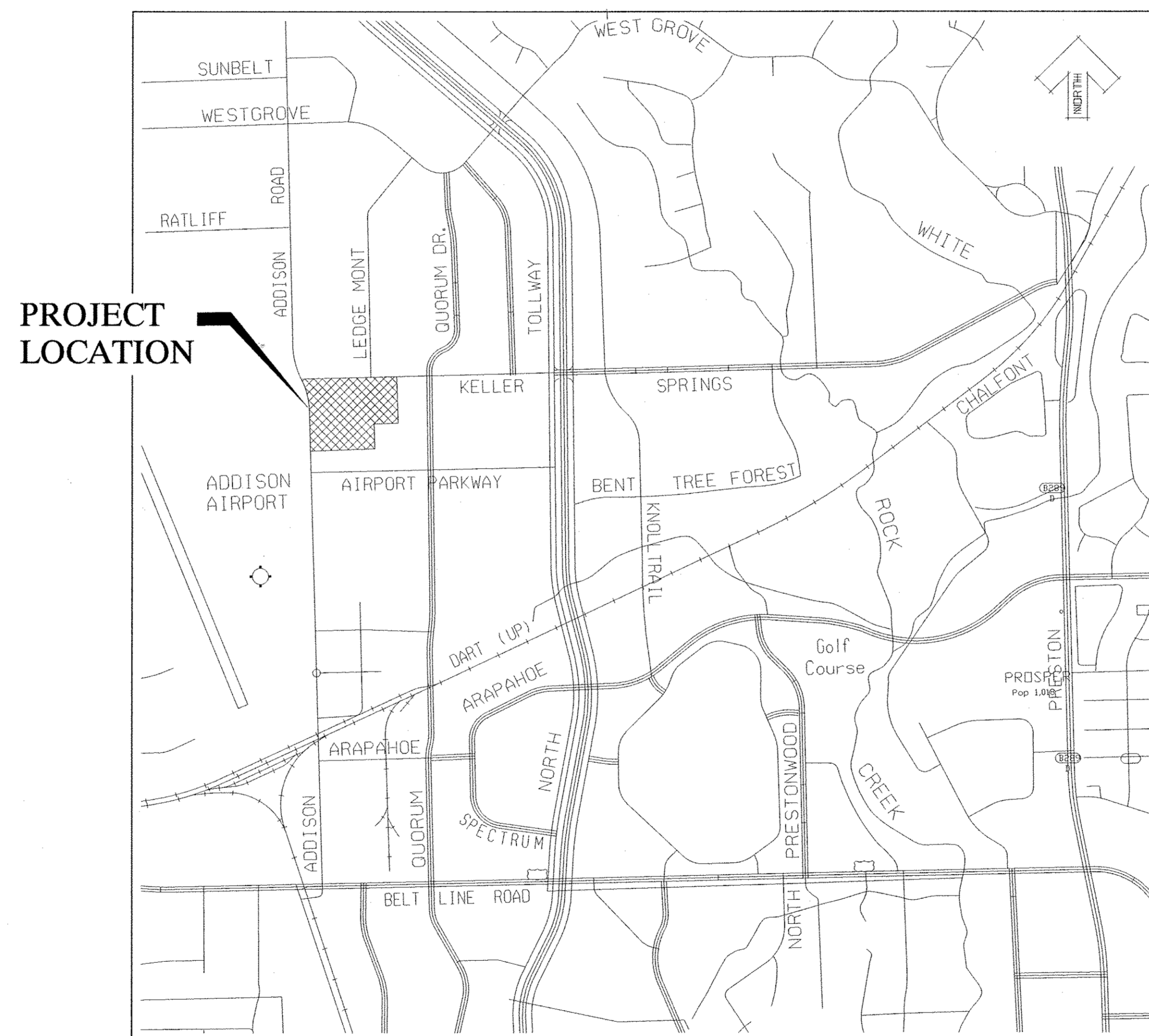


KELLER SPRINGS LOFTS

LOFT APARTMENTS IN ADDISON TOWN OF ADDISON, DALLAS COUNTY, TEXAS

PLANS SUBMITTAL/REVIEW LOG

PERMIT SET - NOT FOR CONSTRUCTION.	08/05/2011
PROJECT COORDINATION SET	08/19/2011
100% COORDINATION SET CITY SUBMITTAL #2	08/26/2011
100% COORDINATION SET CITY SUBMITTAL #3	09/14/2011
ISSUES FOR CONSTRUCTION	10/11/2011



VICINITY MAP
(NOT TO SCALE)

SHEET LIST	
SHEET NUMBER	SHEET TITLE
C1	COVER SHEET
	FINAL PLAN
C2	GENERAL NOTES
C2a	TOWN OF ADDISON WATER AND WASTEWATER REQUIREMENTS
C2b	TOWN OF ADDISON WATER AND WASTEWATER REQUIREMENTS
C3	DIMENSION CONTROL PLAN
C4	GRADING PLAN
C4a	PAVING PLAN
C5	DRAINAGE AREA MAP
C6	DETENTION POND CALCULATIONS
C7	DRAINAGE CALCULATIONS
C8	STORM SEWER PLAN
C8a	TREE DRAIN PLAN
C9	STORM SEWER PROFILES
C10	WATER & WASTEWATER PLAN - PROFILE
C10a	ELECTRICAL SITE PLAN
C11-11a	POLLUTION CONTROL PLAN
C12-12b	PAVING DETAILS
C13-C14	STORM WATER DETAILS
C15-C20	JUNCTION STRUCTURE DETAILS
C21-C22a	WATER DETAILS
C23	WASTEWATER DETAILS
C24	UTILITY DETAILS

PREPARED FOR:

Embrey Partners, Ltd.

1020 NE Loop 410, Ste 700
San Antonio, Texas 78209

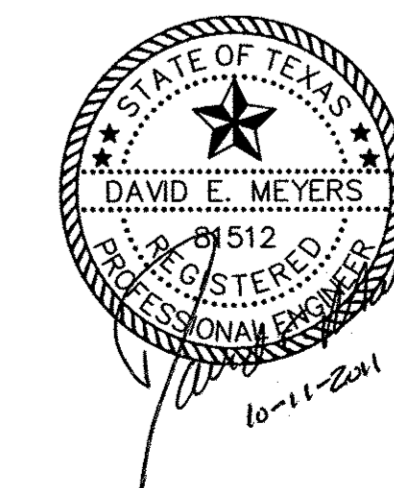
PREPARED BY:



**Kimley-Horn
and Associates, Inc.**

12700 Park Central Drive, Suite 1800, Dallas, TX 75251-1516 972-770-1300
Firm Registration No. F-928

OCTOBER 11, 2011
PW# 2006-001

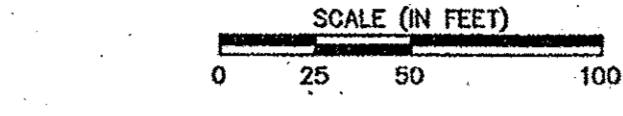
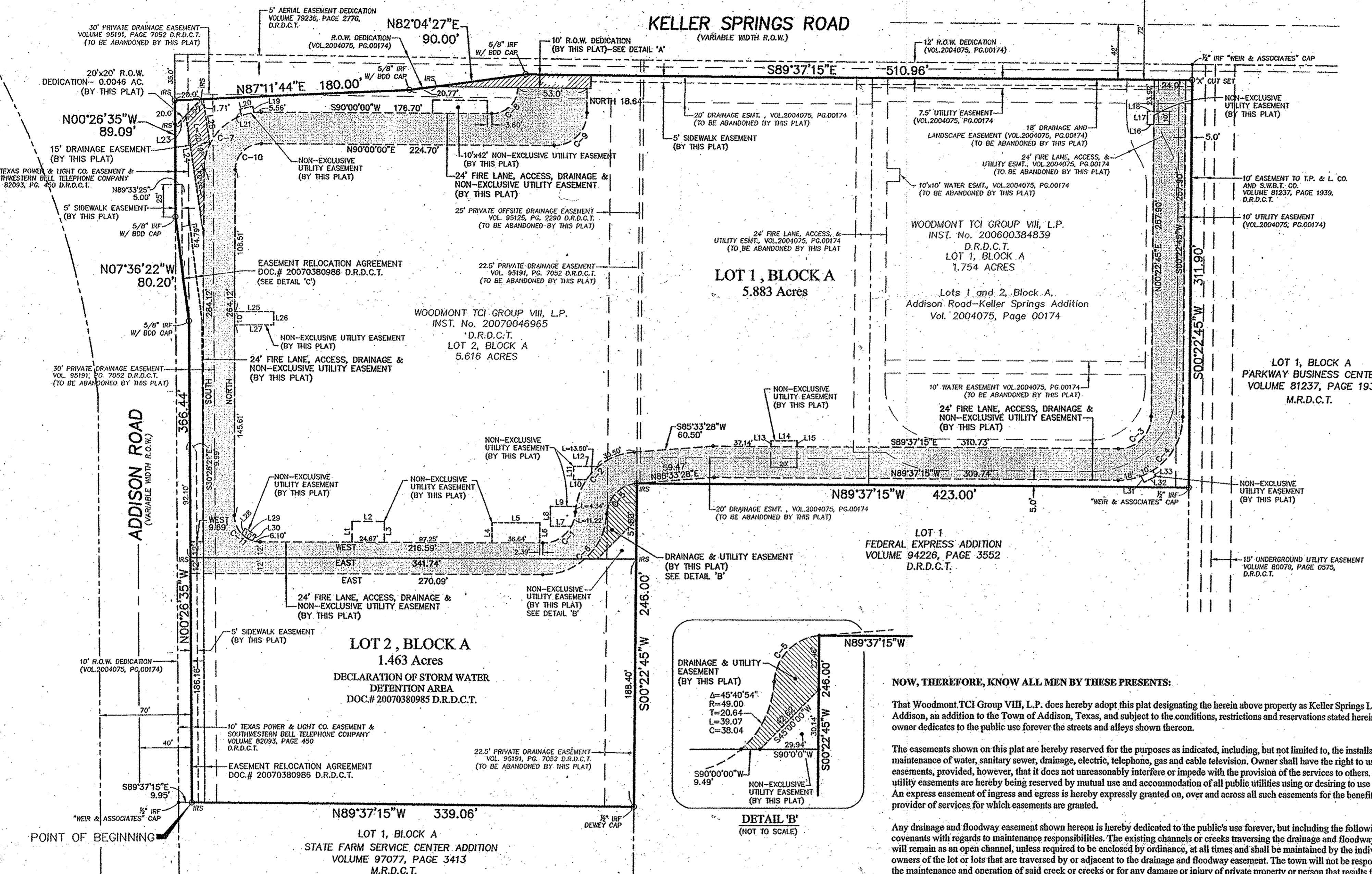
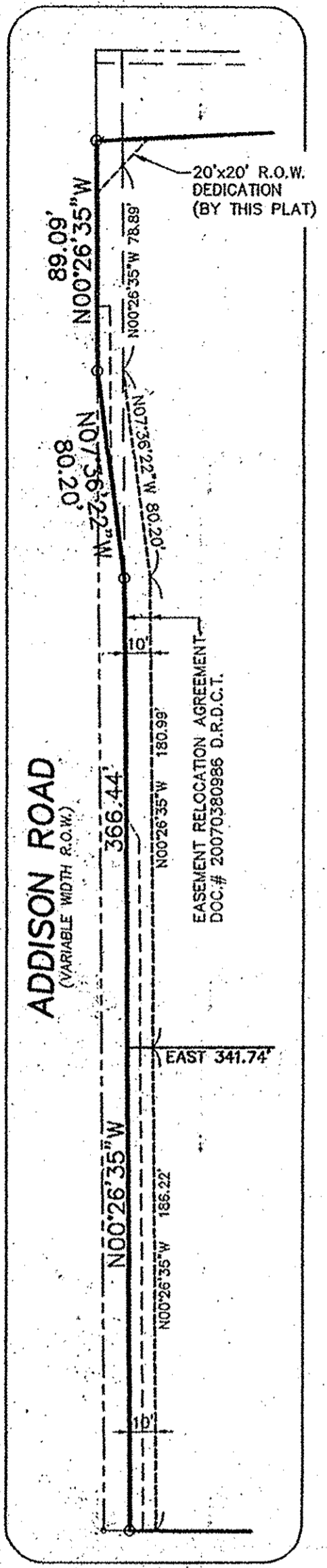


LOT 1
GATEWAY CENTER
VOLUME 79174, PAGE 351
D.R.D.C.T.

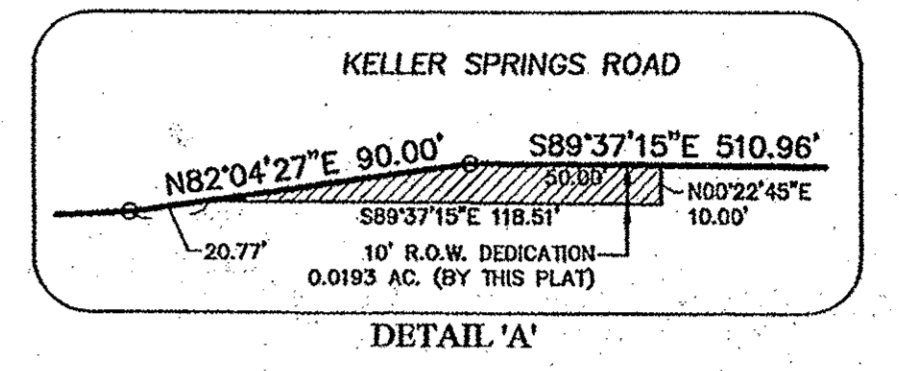
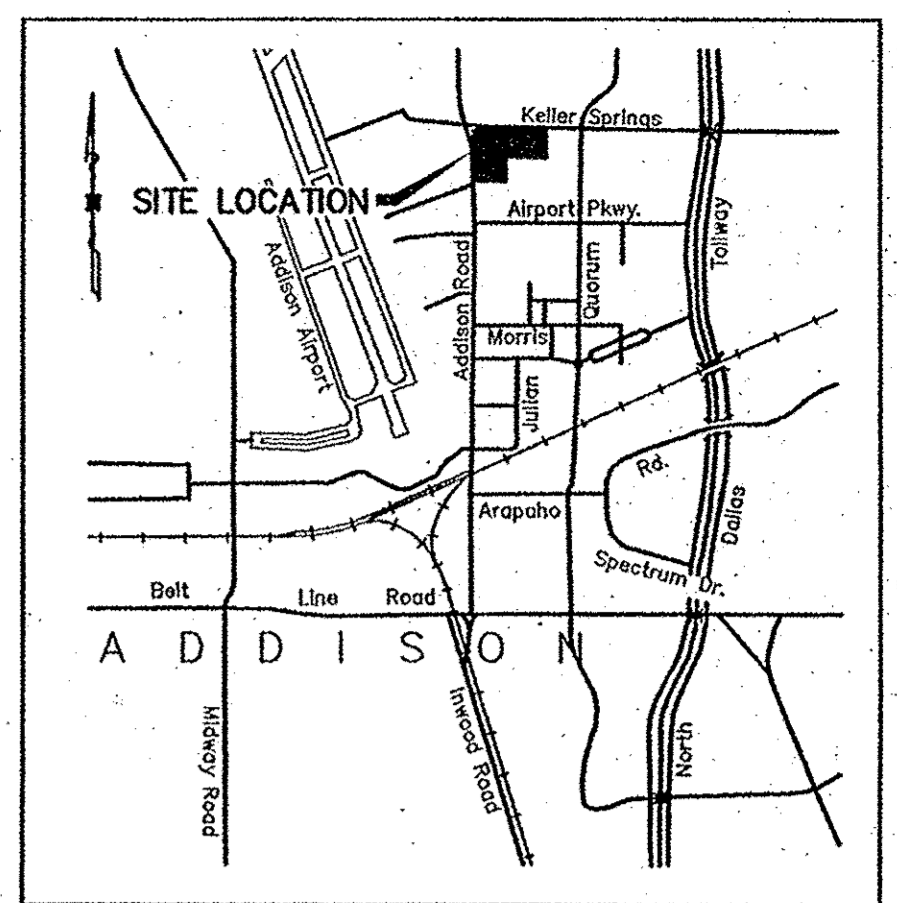
LOT 2
GATEWAY CENTER
VOLUME 79174, PAGE 351
D.R.D.C.T.

DAC GROUP
VOLUME 79051, PAGE 2524
D.R.D.C.T.

KELLER SPRINGS ROAD
(VARIABLE WIDTH R.O.W.)



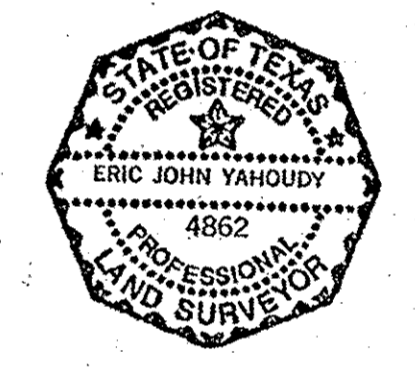
BASIS OF BEARINGS / DIRECTIONAL CONTROL:
THE FINAL PLAT OF ADDISON ROAD-KELLER SPRINGS ROAD ADDITION, AS RECORDED IN VOLUME 2004075, PAGE 00174, DEED RECORDS OF DALLAS COUNTY, TEXAS.



CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	CB CHORD
C-1	86°38'51"	25.00'	37.81'	N46°40'34"E 34.31'
C-2	82°12'15"	49.00'	70.30'	N44°27'17"E 64.43'
C-3	90°00'00"	25.00'	39.27'	N45°22'45"E 35.36'
C-4	90°00'00"	49.00'	76.97'	S45°22'45"W 68.30'
C-5	82°12'15"	25.00'	35.87'	S42°27'10"W 32.87'
C-6	86°38'51"	49.00'	74.10'	N46°40'34"E 67.24'
C-7	90°00'00"	44.00'	69.12'	S49°00'00"W 62.23'
C-8	89°58'48"	20.00'	31.41'	N45°00'36"E 28.28'
C-9	90°00'00"	25.00'	39.27'	S45°00'00"W 35.36'
C-10	90°00'00"	20.00'	31.42'	N45°00'00"E 28.28'
C-11	90°00'00"	20.00'	31.42'	S45°00'00"E 28.28'

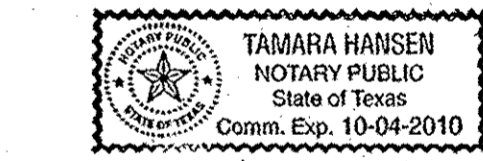
LEGEND:
 IRF IRON ROD FOUND
 IRS 3/8" IRON ROD SET WITH "HUITT-ZOLLARS" YELLOW PLASTIC CAP
 (CM) CONTROL MONUMENT

SURVEYOR'S CERTIFICATE
 I, ERIC J. YAHOUDY, a Registered Professional Land Surveyor in the State of Texas, do hereby certify that I have prepared this plat from an actual on the ground survey of the land, and the monuments shown herein were found and/or placed under my personal supervision in accordance with the planning rules and regulations of the City Plan Commission of the Town of Addison.



STATE OF TEXAS :
COUNTY OF DALLAS :
 BEFORE me, the undersigned authority, a Notary Public in and for State of Texas on this day personally appeared, Eric J. Yahoudy, 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 purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 14th day of January, 2008.
Tamara Hansen
 NOTARY PUBLIC IN AND FOR STATE OF TEXAS
 My commission expires: 10-04-2010



CERTIFICATE OF APPROVAL
 APPROVED THIS 10th day of July, 2008, by the City Council of Addison, Texas.

John F. Warren
 Mayor
Mani Giff
 City Secretary

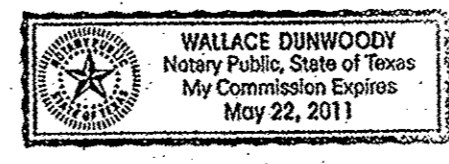
THE PURPOSE OF THIS RE-PLAT IS TO CHANGE LOTS, ABANDON EXISTING PLATTED EASEMENTS AND TO ADD A FIRE LANE, ACCESS, DRAINAGE AND UTILITY EASEMENT.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:
 That Woodmont TCI Group VIII, L.P. does hereby adopt this plat designating the herein above property as Keller Springs Lofts Addition, an addition to the Town of Addison, Texas, and subject to the conditions, restrictions and reservations stated hereinafter, owner dedicates to the public use forever the streets and alleys shown thereon.
 The easements shown on this plat are hereby reserved for the purposes as indicated, including, but not limited to, the installation and maintenance of water, sanitary sewer, drainage, electric, telephone, gas and cable television. Owner shall have the right to use these easements, provided, however, that it does not unreasonably interfere or impede with the provision of the services to others. Said utility easements are hereby being reserved by mutual use and accommodation of all public utilities using or desiring to use the same. An express easement of ingress and egress is hereby expressly granted on, over and across all such easements for the benefit of the provider of services for which easements are granted.
 Any drainage and floodway easement shown herein is hereby dedicated to the public's use forever, but including the following covenants with regards to maintenance responsibilities. The existing channels or creeks traversing the drainage and floodway easement will remain as an open channel, unless required to be enclosed by ordinance, at all times and shall be maintained by the individual owners of the lot or lots that are traversed by or adjacent to the drainage and floodway easement. The town will not be responsible for the maintenance and operation of said creek or creeks or for any damage or injury of private property or person that results from the flow of water along said creek, or for the control of erosion. No obstruction to the natural flow of water runoff shall be permitted by construction of any type of building, fence or any other structure within the drainage and floodway easement. Provided, however, it is understood that in the event it becomes necessary for the town to channelize or consider erecting any type of drainage structure in order to improve the storm drainage, then in such event, the town shall have the right, but not the obligation, to enter upon the drainage and floodway easement at any point, or points, with all rights of ingress and egress to investigate, survey, erect, construct or maintain any drainage facility deemed necessary by the town for maintenance or efficiency of its respective system or service.
 Water main and sanitary sewer easements shall also include additional area of working space for construction and maintenance of the systems. Additional easement area is also conveyed for installation and maintenance of manholes, cleanouts, fire hydrants, water service and sewer services from the main to curb or pavement line, and the descriptions of such additional easements herein granted shall be determined by their locations as installed.
 This plat is approved subject to all platting ordinances, rules, regulations and resolutions of the Town of Addison, Texas.

WOODMONT TCI GROUP VIII, L.P., a Texas limited partnership.
 BY: James R. Duff
 TITLE: SR VP
 WITNESS MY HAND at Irving in Dallas, Texas this 14th day of January, 2008.

CONFORMED COPY
 OFFICIAL PUBLIC RECORDS
 John F. Warren County Clerk
 Dallas County TEXAS
 January 22, 2008 11:52:09 AM
 FEE: \$33.00 20080022312

STATE OF TEXAS :
COUNTY OF DALLAS :
 BEFORE me, the undersigned authority, a Notary Public in and for State of Texas on this day personally appeared, Jim Duff, 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 purposes and consideration therein expressed.
 GIVEN UNDER MY HAND AND SEAL OF OFFICE this 14th day of January, 2008.
Wallace Dunwoody
 NOTARY PUBLIC IN AND FOR STATE OF TEXAS
 My commission expires: May 22, 2011

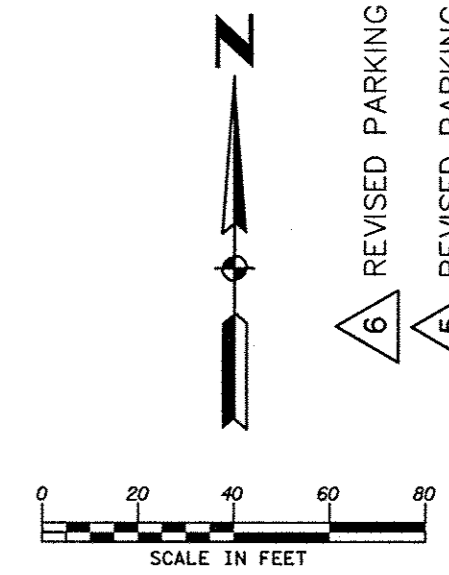
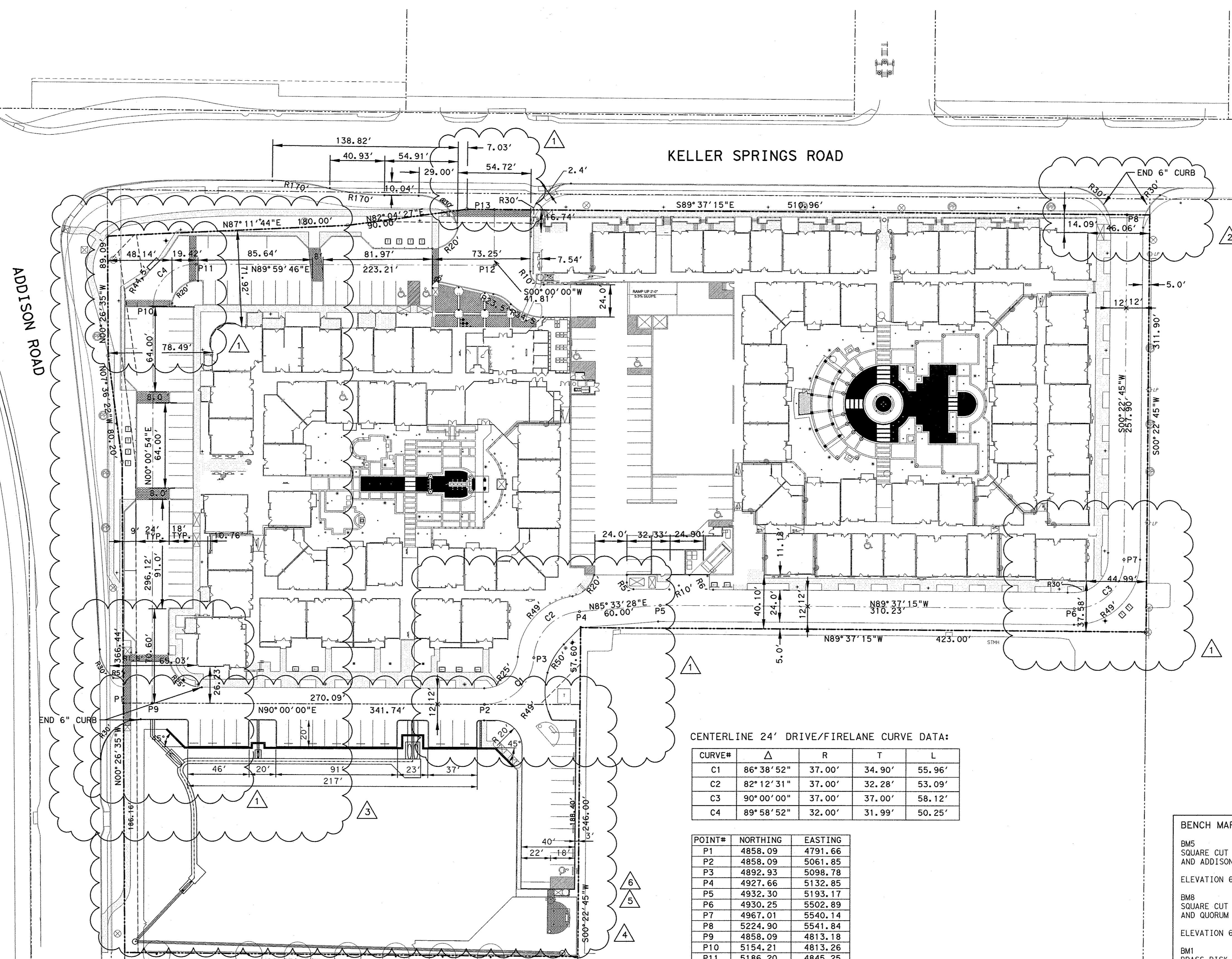


FINAL PLAT
KELLER SPRINGS LOFTS ADDITION
LOT 1 & LOT 2, BLOCK A
 BEING A RE-PLAT OF LOTS 1 & 2, BLOCK A, ADDISON ROAD - KELLER SPRINGS ADDITION TOWN OF ADDISON, DALLAS COUNTY, TEXAS 7.370 ACRES SITUATED IN THE G.W. FISHER SURVEY, ABSTRACT No. 482.
 JANUARY 2008
 PREPARED FOR **WOODMONT TCI GROUP VIII, L.P.**
 1800 VALLEY VIEW LANE, SUITE 300 - DALLAS, TEXAS 75231
 PHONE (469) 522-4371
 PREPARED BY **HUITT-ZOLLARS**
 Huitt-Zollars, Inc.
 3131 McKinney Avenue, Suite 600
 Dallas, Texas 75204-2489
 Phone (214) 671-3311 Fax (214) 871-0757

LINE	LENGTH	BEARING	LINE	LENGTH	BEARING	LINE	LENGTH	BEARING	LINE	LENGTH	BEARING
L1	15.86'	NORTH	L9	19.75'	EAST	L17	10.00'	N00°22'45"E	L25	30.00'	WEST
L2	24.67'	EAST	L10	9.87'	WEST	L18	5.00'	S89°37'15"W	L26	10.00'	NORTH
L3	15.86'	SOUTH	L11	10.00'	NORTH	L19	5.00'	N13°45'23"W	L27	30.00'	EAST
L4	15.36'	NORTH	L12	18.87'	EAST	L20	9.98'	S76°14'37"W	L28	5.00'	S31°47'57"W
L5	36.64'	EAST	L13	4.44'	NORTH	L21	5.00'	S13°45'23"E	L29	9.90'	N58°12'03"W
L6	15.36'	SOUTH	L14	20.00'	EAST	L22	16.89'	N43°22'34"E			
L7	16.20'	WEST	L15	4.57'	SOUTH	L23	11.97'	N43°22'34"E			
L8	15.00'	NORTH	L16	5.00'	N89°37'15"W	L24	93.52'	N08°33'32"W			

OWNER'S CERTIFICATE
 Being a tract of land situated in the G.W. FISHER SURVEY, Abstract No. 482, Town of Addison, Dallas County, Texas and being all of Lots 1 and 2, Block A, Addison Road-Keller Springs Addition, an addition to the Town of Addison, Texas, as recorded in Volume 2004075, Page 174, and being all of two tracts of land as described in Instrument to Woodmont TCI Group VIII, L.P., a Texas limited partnership as recorded under Instrument No. 200600384839 and 20070046965, all of the Dead Records of Dallas County Texas (D.R.D.C.T.) and being more particularly described as follows:
 BEGINNING at a 5/8 inch iron rod set with yellow plastic cap stamped "HUITT-ZOLLARS" at the southwest corner of said Lot 2, Block A, the same being on the east right-of-way line of Addison Road (as established by said plat recorded in Volume 2004075, Page 174) said corner being on the north line of Lot 1, Block A, State Farm Service Center Addition, an Addition to the City of Addison, Texas, according to the Plat recorded in Volume 97077, Page 3143, of the Deed Records of Dallas County, Texas (D.R.D.C.T.);
 THENCE in a northerly direction, along the west line of said Lot 2 and the east right-of-way line of Addison Road the following:
 North 00 degrees 26 minutes 35 seconds West, a distance of 366.44 feet to a 5/8 inch iron rod found with BDD cap for a corner;
 North 07 degrees 36 minutes 22 seconds West, a distance of 80.20 feet to a 5/8 inch iron rod found with BDD cap for corner;
 North 00 degrees 26 minutes 35 seconds West, a distance of 89.09 feet to a 5/8 inch iron rod set with yellow plastic cap stamped "HUITT-ZOLLARS" for the northwest corner of said Lot 2 and the intersection of the east right-of-way line of said Addison Road with the south right-of-way line of Keller Springs Road (a variable width right-of-way as established by said plat recorded in Volume 2004075, Page 174);

THENCE in an easterly direction, along the north line of said Lot 1 and 2, and the south right-of-way line of Keller Springs Road the following:
 North 87 degrees 11 minutes 44 seconds East, a distance of 180.00 feet to a 5/8 inch iron rod found with BDD cap for a corner;
 North 82 degrees 04 minutes 27 seconds East, a distance of 90.00 feet to a 5/8 inch iron rod found with BDD cap for corner;
 South 89 degrees 37 minutes 15 seconds East, passing at a distance of 265.96 feet, the common north corner of said Lots 1 and 2, and continuing for a total distance of 510.96 feet to an x set in concrete for the northeast corner of said Lot 1, said point being on the west line of Lot 1, Block A, Parkway Business Center I, an addition to the Town of Addison, Texas, as recorded in Volume 81237, Page 1939, (D.R.D.C.T.);
 THENCE South 00 degrees 22 minutes 45 seconds West, departing the south right-of-way line of Keller Springs Road and along the east line of said Addison Road-Keller Springs Road Addition, and the west line of said Parkway Business Center I, a distance of 311.90 feet to a 1/2 inch iron rod found with plastic cap stamped "Weir & Associates" for the southeast corner of Lot 1 of said Addison Road-Keller Springs Road Addition, said point also being the northeast corner of Lot 1, Federal Express Addition, an addition to the Town of Addison, Texas, as recorded in Volume 94226, Page 3552, (D.R.D.C.T.);
 THENCE North 89 degrees 37 minutes 15 seconds West, departing the west line of said Parkway Business Center I and along the south line of said Addison Road-Keller Springs Road Addition, and north line of said Federal Express Addition a distance of 423.00 feet to a 5/8 inch iron rod set with yellow plastic cap stamped "HUITT-ZOLLARS" for a corner, said point also being the northwest corner of said Federal Express Addition;
 THENCE South 00 degrees 22 minutes 45 seconds West, along the west line of said Federal Express Addition, and the east line of Addison Road-Keller Springs Addition, a distance of 246.00 feet to a 1/2 inch iron rod found with plastic cap stamped "Dewey" for the most southerly southeast corner of Lot 2 of said Addison Road-Keller Springs Road Addition, said point also being the northeast corner of Lot 1, Block A, of said State Farm Service Center Addition;
 THENCE North 89 degrees 37 minutes 15 seconds West, along the north line of said State Farm Service Center Addition, and the south line of said Addison Road-Keller Springs Road Addition a distance of 339.06 feet to POINT OF BEGINNING and containing 7.370 acres of land, more or less.



KELLER SPRINGS ROAD

ADDISON ROAD

CENTERLINE 24' DRIVE/FIRELANE CURVE DATA:

CURVE#	Δ	R	T	L
C1	86° 38' 52"	37.00'	34.90'	55.96'
C2	82° 12' 31"	37.00'	32.28'	53.09'
C3	90° 00' 00"	37.00'	37.00'	58.12'
C4	89° 58' 52"	32.00'	31.99'	50.25'

POINT#	NORTHING	EASTING
P1	4858.09	4791.66
P2	4858.09	5061.85
P3	4892.93	5098.78
P4	4927.66	5132.85
P5	4932.30	5193.17
P6	4930.25	5502.89
P7	4967.01	5540.14
P8	5224.90	5541.84
P9	4858.09	4813.18
P10	5154.21	4813.26
P11	5186.20	4845.25
P12	5186.22	5068.46
P13	5228.03	5068.46

BENCH MARKS:

BMS
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.
 ELEVATION 637.20

BMB
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
 ELEVATION 631.15

BM1
 BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
 ELEVATION 638.91

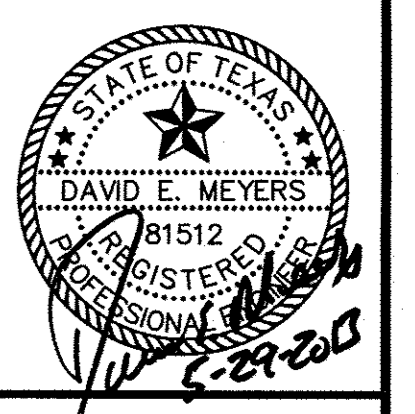
NOTES:

- THIS PLAN IS FOR SITE PAVING CONTROL ONLY. CONTRACTOR SHALL COORDINATE WITH THE OWNER, ENGINEER, ARCHITECT AND SURVEYOR PRIOR TO STAKING BUILDING CORNERS OTHERWISE.
- ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.
- ALL PARKING RADII DIMENSIONS TO BE 2' MINIMUM UNLESS OTHERWISE NOTED.

5/29/13
4/18/13

REVISOR
6 REVISOR PARKING
5 REVISOR PARKING

No.	Revision	Date
1	REVISED FIRE LANE FOR WB-50	9/14/11
2	REVISED DRIVEWAY	10/27/11
3	REVISED PARKING	2/6/12
4	ADDED PARKING	2/28/13

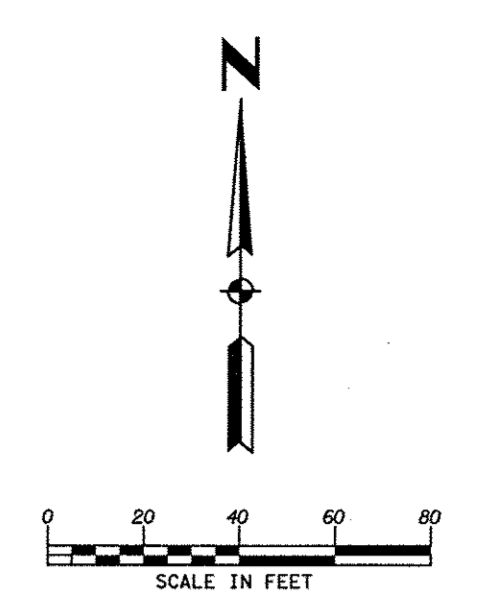
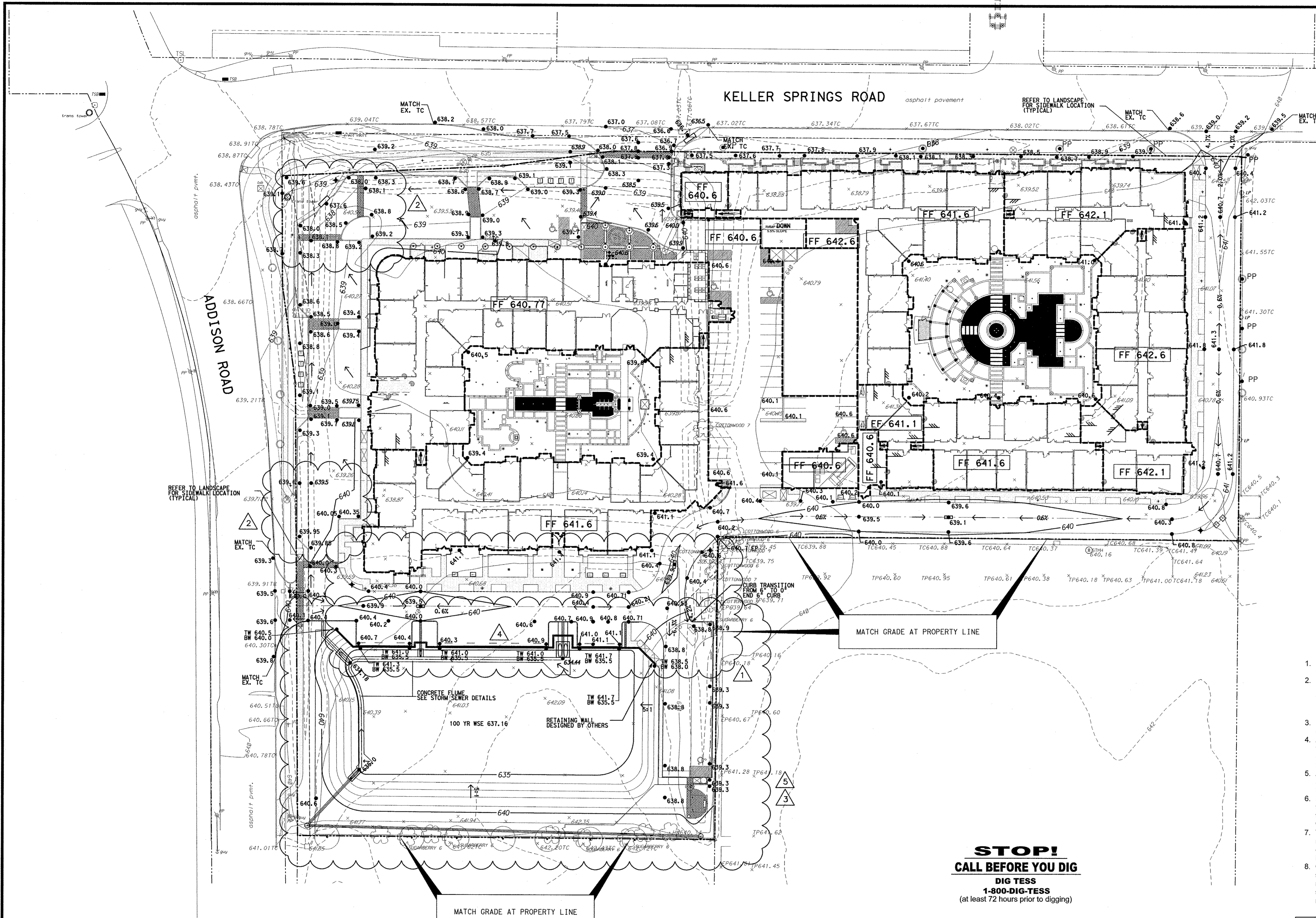


Keller Springs Lofts
Loft Apartments in Addison
 Town of Addison, Texas

DIMENSION CONTROL PLAN

DATE: FEBRUARY 28, 2013
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO.: 064362003
 CITY NO.:

SHEET
C3



LEGEND

--- 634 ---	EX. MINOR CONTOUR
--- 635 ---	EX. MAJOR CONTOUR
---	PROP. CONTOUR
• 559.5	PROP. SPOT ELEVATION
* 559.19	EXIST. SPOT ELEVATION
F.F.	FINISH FLOOR ELEVATION
---	SURFACE FLOW DIRECTION

- Grading Notes (Multi-family)**
- This plan is for site rough grading only. See architect and structural plans for slab elevations to be used for foundation construction.
 - Plan elevations are to finish building slab, top of pavement, or finish grade in planting areas. Adjustment for slab, pavement, and planting bed thickness must be made for the purposes of earthwork. Refer to the architect and landscape architect plans for elements not detailed in this plan set.
 - Rough grading shall be accomplished to within +/- 0.10 feet of plan elevation after adjustment for finish thickness.
 - As a minimum requirement, all fill shall be placed in 6-inch lifts compacted to between 95% of standard proctor density between -3% and +3% of optimum moisture content. Refer to the geo-tech report for complete project specifications.
 - All trees, stumps, brush, grasses and surface organics are to be removed and properly disposed of offsite. Tree removal permits shall be obtained by the owner or the contractor prior to commencement of grading.
 - Existing utility poles will be removed or relocated by the utility companies through coordination by the owner and contractor. Contractor shall bring to the owner's attention any facilities that are, or appear to be, in conflict with construction activities.
 - The contractor shall install erosion control measures per the plans and maintain streets free of mud, dirt and debris for the duration of the construction activities. See Erosion Control and Storm Water Pollution Prevention Plan for specific details and requirements.
 - Cross slopes on sidewalks shall not exceed a 2% grade and longitudinal slopes shall not exceed a 5% grade. Slopes in excess of the above noted maximums will be in violation of accessibility requirements and will be subject to removal and replacement at the direction of the accessibility reviewer and at the expense of the contractor.

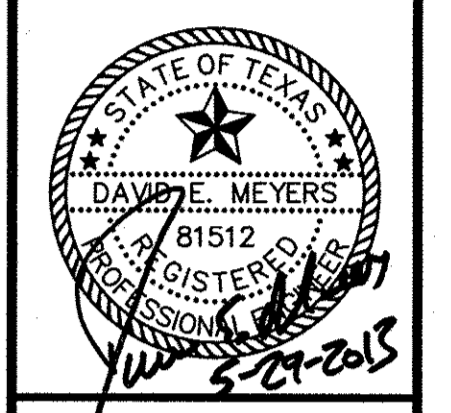
BENCH MARKS:

BMS	SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.	ELEVATION 637.20
BMS	SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.	ELEVATION 631.15
BM1	BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.	ELEVATION 638.91

5/29/13
MODIFIED PARKING

Kimley-Horn and Associates, Inc.

No.	Revision	Date
1	REVISED FIRE LANE GRADES	11/17/11
2	REVISED PARKING GRADING	2/6/12
3	ADDED PARKING	2/28/13
4	ADDED PARKING	4/18/13

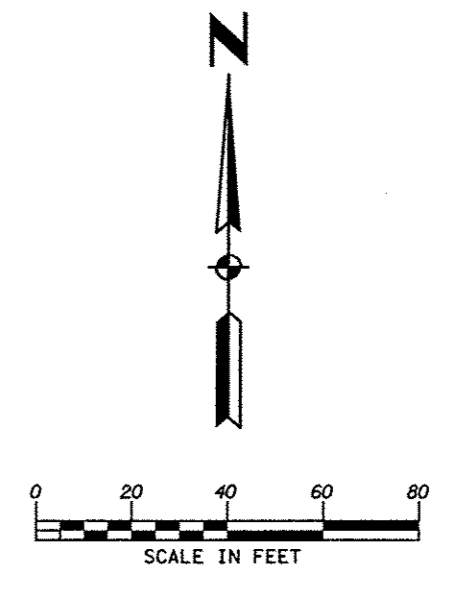
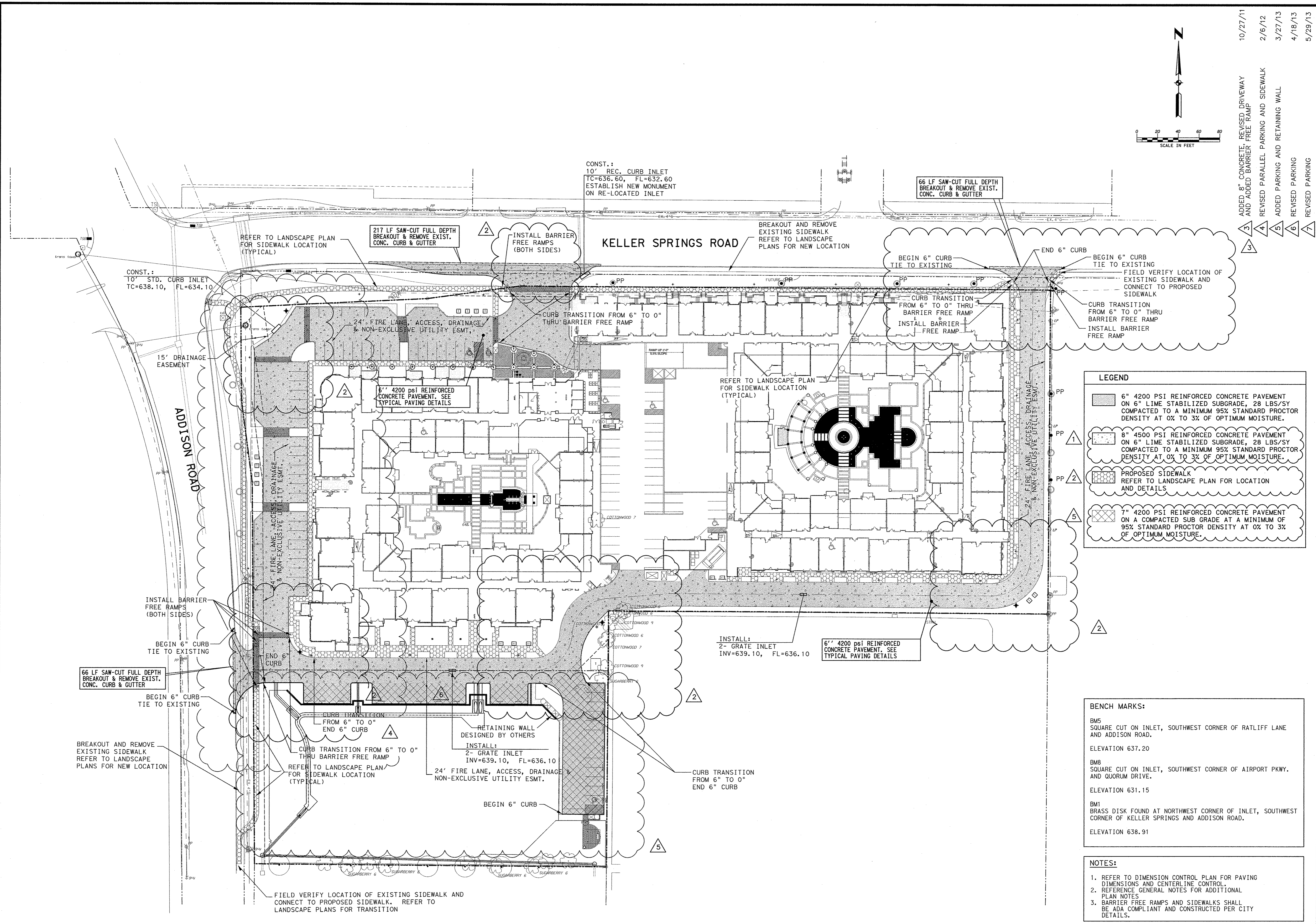


Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

GRADING PLAN

DATE:	FEBRUARY 28, 2013
DESIGN:	KHA
DRAWN:	KHA
CHECKED:	KHA
KHA NO.:	06-4362003
CITY NO.:	

SHEET
C4



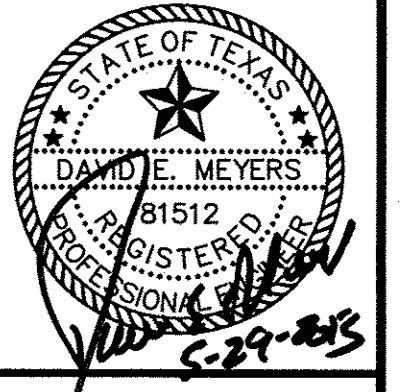
10/27/11	ADDED 8" CONCRETE, REVISED DRIVEWAY AND ADDED BARRIER FREE RAMP
2/6/12	REVISED PARALLEL PARKING AND SIDEWALK
3/27/13	ADDED PARKING AND RETAINING WALL
4/18/13	REVISED PARKING
5/29/13	REVISED PARKING

LEGEND	
	6" 4200 PSI REINFORCED CONCRETE PAVEMENT ON 6" LIME STABILIZED SUBGRADE, 28 LBS/SY COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY AT 0% TO 3% OF OPTIMUM MOISTURE.
	8" 4500 PSI REINFORCED CONCRETE PAVEMENT ON 6" LIME STABILIZED SUBGRADE, 28 LBS/SY COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY AT 0% TO 3% OF OPTIMUM MOISTURE.
	PROPOSED SIDEWALK REFER TO LANDSCAPE PLAN FOR LOCATION AND DETAILS
	7" 4200 PSI REINFORCED CONCRETE PAVEMENT ON A COMPACTED SUB GRADE AT A MINIMUM OF 95% STANDARD PROCTOR DENSITY AT 0% TO 3% OF OPTIMUM MOISTURE.

BENCH MARKS:	
BMS	SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD. ELEVATION 637.20
BM8	SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE. ELEVATION 631.15
BM1	BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD. ELEVATION 638.91

- NOTES:**
- REFER TO DIMENSION CONTROL PLAN FOR PAVING DIMENSIONS AND CENTERLINE CONTROL.
 - REFERENCE GENERAL NOTES FOR ADDITIONAL PLAN NOTES.
 - BARRIER FREE RAMPS AND SIDEWALKS SHALL BE ADA COMPLIANT AND CONSTRUCTED PER CITY DETAILS.

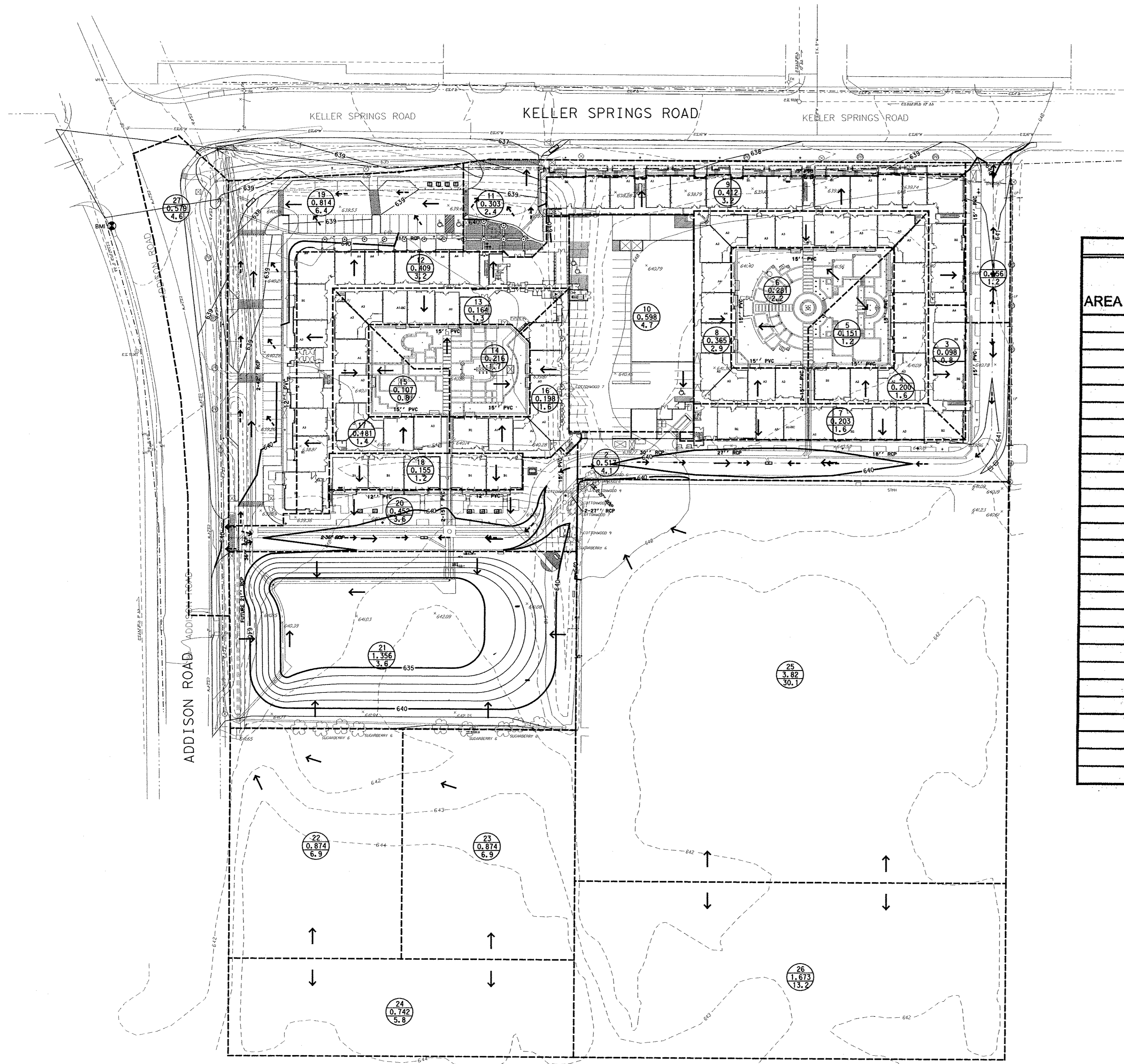
Kimley-Horn and Associates, Inc.	
2700 Ross Street, Suite 300 Dallas, TX 75201-9588 Phone: 972-770-8000 Fax: 972-770-8988	No. 1 No. 2 No. 3 No. 4 No. 5 No. 6 No. 7 No. 8 No. 9 No. 10 No. 11 No. 12 No. 13 No. 14 No. 15 No. 16 No. 17 No. 18 No. 19 No. 20 No. 21 No. 22 No. 23 No. 24 No. 25 No. 26 No. 27 No. 28 No. 29 No. 30 No. 31 No. 32 No. 33 No. 34 No. 35 No. 36 No. 37 No. 38 No. 39 No. 40 No. 41 No. 42 No. 43 No. 44 No. 45 No. 46 No. 47 No. 48 No. 49 No. 50 No. 51 No. 52 No. 53 No. 54 No. 55 No. 56 No. 57 No. 58 No. 59 No. 60 No. 61 No. 62 No. 63 No. 64 No. 65 No. 66 No. 67 No. 68 No. 69 No. 70 No. 71 No. 72 No. 73 No. 74 No. 75 No. 76 No. 77 No. 78 No. 79 No. 80 No. 81 No. 82 No. 83 No. 84 No. 85 No. 86 No. 87 No. 88 No. 89 No. 90 No. 91 No. 92 No. 93 No. 94 No. 95 No. 96 No. 97 No. 98 No. 99 No. 100
Revision	Date
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Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

PAVING PLAN

DATE: FEBRUARY 28, 2013
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 084362003
CITY NO.:



Runoff Calculations					
AREA NO.	AREA "A" (ACRES)	Tc (MIN)	INTENSITY "I ₁₀₀ " (IN/HR)	RUNOFF COEFF. "C"	STORM RUNOFF "Q ₁₀₀ "
1	0.158	10	8.74	0.9	1.2
2	0.517	10	8.74	0.9	4.1
3	0.098	10	8.74	0.9	0.8
4	0.200	10	8.74	0.9	1.6
5	0.151	10	8.74	0.9	1.2
6	0.281	10	8.74	0.9	2.2
7	0.203	10	8.74	0.9	1.6
8	0.365	10	8.74	0.9	2.9
9	0.412	10	8.74	0.9	3.2
10	0.598	10	8.74	0.9	4.7
11	0.303	10	8.74	0.9	2.4
12	0.409	10	8.74	0.9	3.2
13	0.164	10	8.74	0.9	1.3
14	0.216	10	8.74	0.9	1.7
15	0.107	10	8.74	0.9	0.8
16	0.198	10	8.74	0.9	1.6
17	0.181	10	8.74	0.9	1.4
18	0.155	10	8.74	0.9	1.2
19	0.814	10	8.74	0.9	6.4
20	0.452	10	8.74	0.9	3.6
21	1.356	10	8.74	0.3	3.6
22	0.874	10	8.74	0.9	6.9
23	0.874	10	8.74	0.9	6.9
24	0.742	10	8.74	0.9	5.8
25	3.823	10	8.74	0.9	30.1
26	1.673	10	8.74	0.9	13.2
27	0.579	10	8.74	0.9	4.6

LEGEND

EXISTING CONTOUR - - - 500 - - -

DRAINAGE DIVIDE LINE - - - - -

SURFACE FLOW DIRECTION →

DRAINAGE AREA AREA NO. (X)
 AREA (AC) (XX.XX)
 Q100 (XX.XX)

BENCH MARKS:

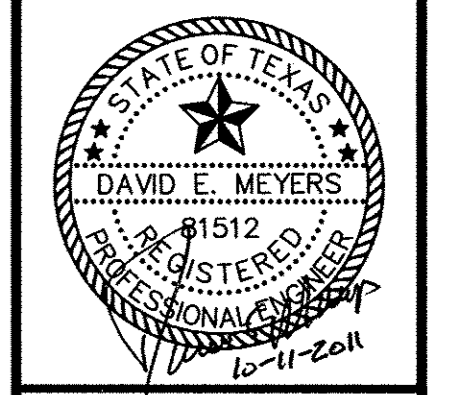
BMS
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 ELEVATION 637.20

BMB
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
 ELEVATION 631.15

BM1
 BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
 ELEVATION 638.91

Kimley-Horn and Associates, Inc.
 5000 West Loop South, Suite 800
 Dallas, TX 75240-8888 972-770-8000
 Fax: 972-770-8988

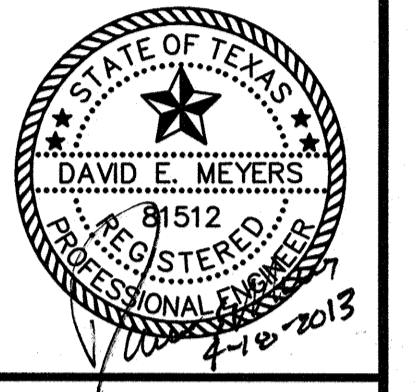
No.	Revision	Date



**Keller Springs Lofts
 Loft Apartments in Addison**
 Town of Addison, Texas

DRAINAGE AREA MAP

DATE: OCTOBER 11, 2011
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO.: 064-362003
 CITY NO.:

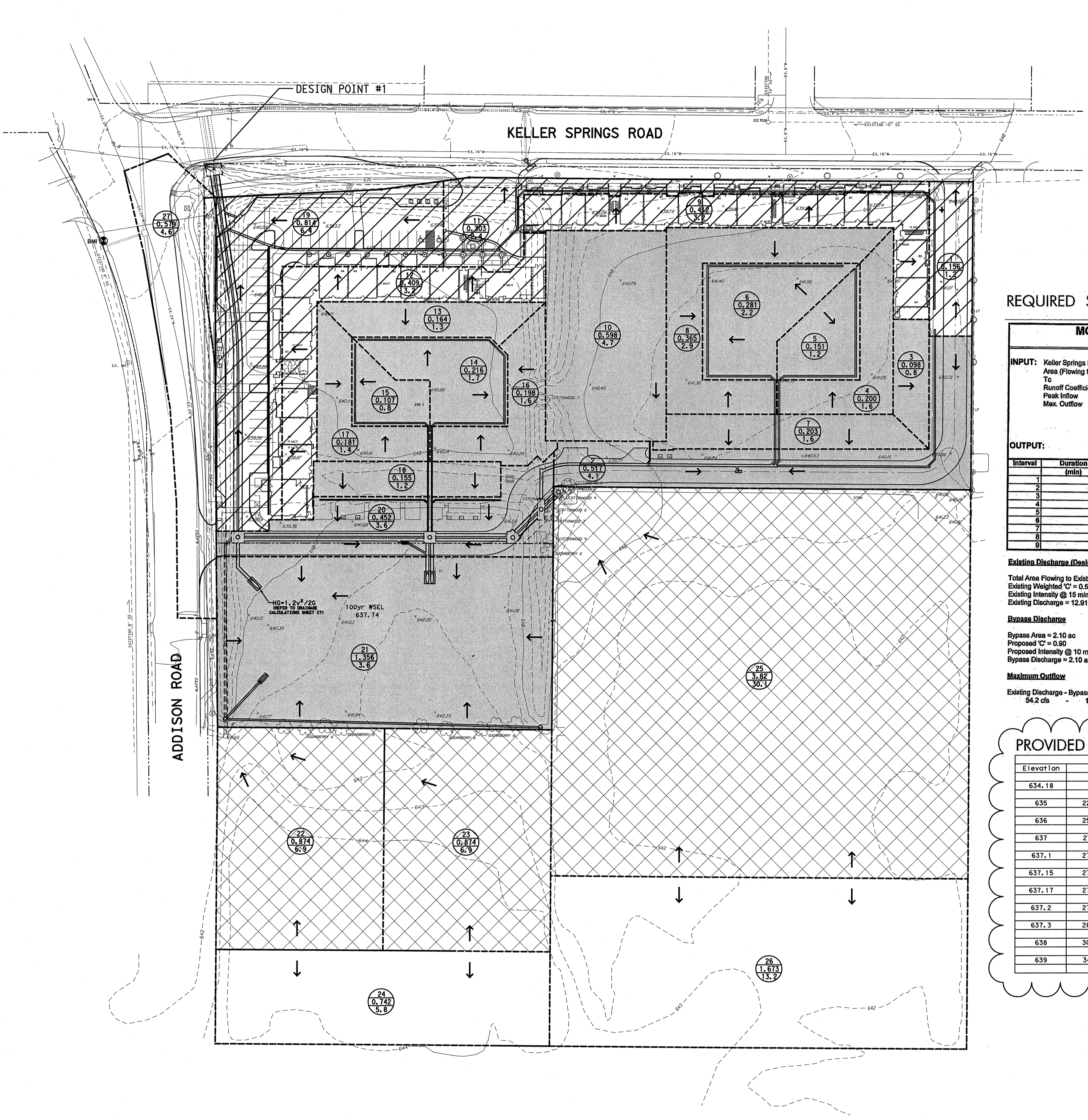


**Keller Springs Lofts
 Loft Apartments in Addison**
 Town of Addison, Texas

**DETENTION POND
 CALCULATIONS**

DATE: FEBRUARY 28, 2013
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO.: 064362003
 CITY NO.:

SHEET
C6



LEGEND

- EXISTING CONTOUR ---500---
- DRAINAGE DIVIDE LINE
- SURFACE FLOW DIRECTION
- DRAINAGE AREA AREA NO. (X)
AREA (AC) (XXX.X)
Q100
- AREAS FLOWING TO POND AND BEING DETAINED
- AREAS FLOWING TO POND AND NOT BEING DETAINED
- AREAS BYPASSING POND AND BEING DETAINED FOR

REQUIRED STORAGE

**MODIFIED RATIONAL METHOD (DETENTION VOLUME CALCULATIONS)
 FOR A FLOW-THROUGH SYSTEM**

INPUT: Keller Springs Lofts Area (Flowing to pond) 10.85 acre
 Tc 10 min
 Runoff Coefficient 0.8
 Peak Inflow 86.0 cfs
 Max. Outflow 37.7 cfs

RAINFALL INTENSITIES (I):

Storm Event (yr)	Intensity (in/hr)
10	6.7
15	7.5
20	6.8
30	5.9
40	5.0
50	4.4
60	3.9
70	3.6
80	3.3

OUTPUT:

Interval (min)	Duration (min)	Intensity (in/hr)	Qin (cfs)	Volume (in) (cf)	Volume (out) (cf)	Volume (storage) (cf)
1	10	8.7	85.3	51,208	22,620	28,588
2	15	7.5	73.4	68,000	28,275	37,815
3	20	6.8	66.4	79,582	33,850	45,732
4	30	5.8	56.1	101,068	46,240	55,828
5	40	5.0	48.8	117,180	56,550	60,630
6	50	4.4	43.0	128,898	67,280	61,618
7	60	3.9	38.2	137,452	75,170	62,282
8	70	3.6	35.2	147,847	80,450	67,187
9	80	3.3	32.2	154,678	101,790	52,888

Existing Discharge (Design Point #1)
 Total Area Flowing to Existing Culverts = 12.91 ac
 Existing Weighted 'C' = 0.66
 Existing Intensity @ 15 min = 7.5 in/hr
 Existing Discharge = 12.91 ac * 0.66 * 7.5 in/hr = 54.2 cfs

Bypass Discharge
 Bypass Area = 2.10 ac
 Proposed 'C' = 0.80
 Proposed Intensity @ 10 min = 8.74 in/hr
 Bypass Discharge = 2.10 ac * 0.80 * 8.74 in/hr = 16.5 cfs

Maximum Outflow
 Existing Discharge - Bypass Discharge = Maximum Outflow
 54.2 cfs - 16.5 cfs = **37.7 cfs**

PROVIDED STORAGE

Detention Pond Volume by Elevation

Elevation (ft)	Surface Area (Ac)	Incremental Volume (Ac-Ft)	Accumulated Volume (Ac-Ft)
634.18	0	0.00	0.00
635	22302	0.51	6096
636	25700	0.59	23981
637	27791	0.64	26739
637.1	27810	0.64	2780
637.15	27910	0.64	1393
637.17	27947	0.64	559
637.2	27985	0.64	839
637.3	28456	0.65	2822
638	30448	0.70	20612
639	34281	0.79	32346

BENCH MARKS:

BM5
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.
 ELEVATION 637.20

BM8
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
 ELEVATION 631.15

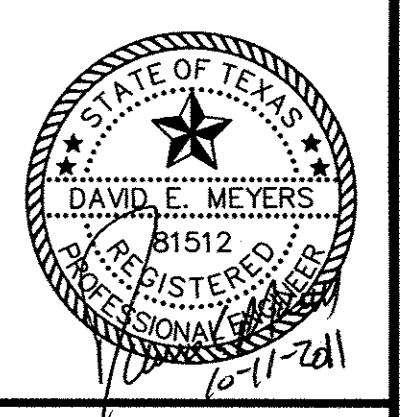
BM1
 BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
 ELEVATION 638.91

Storm Sewer Calculations																								
Line or Lateral Name	Runoff Collection Point (Inlet or Manhole)		Distance Between Collection Points	Incremental Drainage Area				Accumulated "CA"	Time at Upstream Station (minutes)	Design Storm Frequency (years)	Intensity "I" (in/hr)	Storm Water Runoff "Q" (cfs)	Slope of Hydraulic Gradient "S" (ft/ft)	Selected Storm Water Size	Velocity in Sewer Between Connection Points "V" (fps)	Velocity Head Loss at Upstream Station	Inlet, Manhole, Bends, Lateral, or Junction Box Losses	Head Loss Coeff. K _j	Velocity Head Loss at Downstream Station	Flow Time in Sewer (minutes)	Time at Downstream Station (minutes)	Hydraulic Grade Line Elevation Upstream (elev)	Hydraulic Grade Line Elevation Downstream (elev)	Remarks
	Upstream Station	Downstream Station		Area No.	Drainage Area "A" (acres)	Runoff Coeff. "C"	Incremental "CA"																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
B	38.00	0.00	38	2,3,4,5,6,7,8,10	2.413	0.9	2.1717	2.1717	10	100	8.74	18.981	0.0008	36	2.69	0.112	Lateral	0.6	0.13	0.24	10.24	638.92	638.89	
B-1	6.00	0.00	6	2	0.517	0.9	0.4653	0.4653	10	100	8.74	4.067	0.0015	18	2.30	0.082	Inlet	1.5	0.15	0.04	10.04	639.59	639.58	
C	281.66	50.59	231.07	9,(1/2)12	0.6165	0.9	0.55485	0.55485	10	100	8.74	4.849	0.0009	21	2.02	0.063	Lateral	0.6	0.07	1.91	11.91	637.13	636.91	
C-1	50.59	0.00	50.59	(1/2)12	0.2045	0.9	0.18405	0.7389	100	100	8.74	6.458	0.0017	21	2.68	0.112	Lateral	0.6	0.01	0.31	12.22	636.84	636.75	
D	344.34	319.42	24.92	25	3.823	0.9	3.4407	3.4407	10	100	8.74	30.072	0.0024	2-27	3.78	0.222	Box	0.5	0.08	0.11	10.11	638.89	638.84	
Line A	319.42	278.92	40.5	2,3,4,5,6,7,8,10	2.413	0.9	2.1717	5.6124	100	100	8.74	49.052	0.0014	2-36	3.47	0.187	Box	0.5	0.12	0.19	10.30	638.76	638.70	
E	428.00	397.69	30.31	Detention Pond Out	4.792779	0.9	4.3135011	4.313501144	10	100	8.74	37.700	0.0032	36	5.33	0.442	Headwall	1.2	0.29	0.09	10.09	637.19	637.09	
Line C	53.02	36.24	16.78	9,12	0.821	0.9	0.7389	5.052401144	100	100	8.74	44.158	0.0005	2-42	2.29	0.082	Lateral	0.6	0.06	0.12	12.99	636.74	636.73	
Lat E1	36.24	0.00	36.2393	19	0.814	0.9	0.7326	5.785001144	100	100	8.74	50.561	0.0006	2-42	2.63	0.107	Lateral	0.6	0.44	0.23	10.42	636.67	636.65	
E-1	18.00	0.00	18	19	0.814	0.9	0.7326	0.7326	10	100	8.74	6.403	0.0009	18	1.81	0.051	Inlet	1.5	0.08	0.17	10.17	636.77	636.75	
F	47.00	28.50	18.5	2,3,4,5,6,7,8,10,13,14,15,16,17,18,25	7.258	0.9	6.5322	6.5322	10	100	8.74	57.091	0.0018	2-36	4.04	0.253	Box	0.5	0.13	0.08	10.08	638.31	638.28	
Lat F1	28.50	0.00	28.5	20	0.452	0.9	0.4068	6.939	100	100	8.74	60.647	0.0021	2-36	4.29	0.286	Lateral	0.6	0.34	0.11	10.19	638.14	638.08	
F-1	25.00	0.00	25	20	0.452	0.9	0.4068	0.4068	10	100	8.74	3.555	0.0003	18	1.01	0.016	Inlet	1.5	0.28	0.41	10.41	638.43	638.42	
G	62.00	0.00	62	22,23	1.748	0.9	1.5732	1.5732	10	100	8.74	13.750	0.0075	21	5.72	0.507	Manhole	1.25	0.61	0.18	10.18	638.82	638.35	
H	320.05	0.00	320.05	23	0.874	0.9	0.7866	0.7866	10	100	8.74	6.875	0.0043	18	3.89	0.235	Manhole	1.25	0.29	1.37	11.37	640.40	639.03	
Future Storm Sewer Calculations																								
A (Alt)*	38.00	0.00	38	2,3,4,5,6,7,8,10	2.413	0.9	2.1717	2.1717	10	100	8.74	18.981	0.0008	36	2.69	0.112	Lateral	0.6	0.13	0.24	10.24	637.95	637.92	
B (Alt)*	392.50	237.50	155	3,(1/2)7	0.1995	0.9	0.17955	0.17955	10	100	8.74	1.569	0.0002	18	0.89	0.012	Lateral	0.6	0.10	2.91	12.91	638.77	638.73	
pvc	237.50	198.50	39	4,5,6,(1/2)7,8	1.0985	0.9	0.98865	1.1682	100	100	8.74	10.210	0.0011	27	2.57	0.102	Lateral	0.6	0.14	0.25	13.16	638.64	638.59	
Lat B1	198.50	107.50	91	2	0.517	0.9	0.4653	1.6335	100	100	8.74	14.277	0.0021	27	3.59	0.200	Lateral	0.6	0.11	0.42	13.58	638.46	638.26	
pvc	107.50	0.00	107.5	10	0.598	0.9	0.5382	2.1717	100	100	8.74	18.981	0.0021	30	3.87	0.232	Lateral	0.6	-0.03	0.46	14.05	638.15	637.92	
C (Alt)*	281.66	50.59	231.07	9,(1/2)12	0.6165	0.9	0.55485	0.55485	10	100	8.74	4.849	0.0009	21	2.02	0.063	Lateral	0.6	0.07	1.91	11.91	636.58	636.36	
pvc	50.59	0.00	50.59	(1/2)12	0.2045	0.9	0.18405	0.7389	100	100	8.74	6.458	0.0017	21	2.68	0.112	Lateral	0.6	0.28	0.31	12.22	636.28	636.20	
D (Alt)*	344.34	319.42	24.92	25	3.823	0.9	3.4407	3.4407	10	100	8.74	30.072	0.0009	2-27	3.78	0.222	Box	0.5	0.08	0.11	10.11	637.88	637.86	
Line A*	319.42	278.92	40.5	2,3,4,5,6,7,8,10	2.413	0.9	2.1717	5.6124	100	100	8.74	49.052	0.0014	2-36	3.47	0.187	Box	0.5	0.12	0.19	10.30	637.79	637.73	
Lat F-1*	194.73	156.00	38.73	13,14,15,16,17,18,23,25	1.021	0.9	0.9189	6.5313	100	100	8.74	57.084	0.0018	2-36	4.04	0.253	Box	0.5	0.13	0.16	10.87	637.34	637.26	
Line C*	53.02	36.24	16.78	9,12	0.821	0.9	0.7389	10.4724	100	100	8.74	91.529	0.0021	2-42	4.76	0.351	Lateral	0.6	0.19	0.06	1.24	635.92	635.88	
Lat E1*	36.24	0.00	36.2393	19	0.814	0.9	0.7326	11.205	100	100	8.74	97.932	0.0024	2-42	5.09	0.402	Lateral	0.6	1.19	0.12	0.12	635.69	635.60	
D-1	12.00	0.00	12	20	0.452	0.9	0.4068	0.4068	10	100	8.74	3.555	0.0003	18	1.01	0.016	Inlet	1.5	0.28	0.20	10.20	637.41	637.41	

* Alternative flow when/if detention pond is abandoned

Kimley-Horn
and Associates, Inc.
5200 West Center Drive, Suite 800
Dallas, TX 75244
Tel: 972-361-8500
Fax: 972-361-8501
Email: kha@kimley-horn.com

David E. Meyers
Professional Engineer
No. 81512
State of Texas
10-1-2011



**Keller Springs Lofts
Loft Apartments in Addison**
Town of Addison, Texas

DRAINAGE CALCULATIONS

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 064362003
CITY NO.:

CAUTION!!
 EXIST. GAS MAIN IN AREA
 CONTACT TEXAS ONE CALL
 1-800-245-4545
 48 HOURS PRIOR TO
 CONSTRUCTION

REMOVE & DISPOSE EXIST. INLET
 CONST. STD. 4" DIA. MH. AT THE END
 OF EXIST. 18" RCP.
 STA 0+00 BEGIN 18" RCP
 TOP= 637.05, FL= 633.03

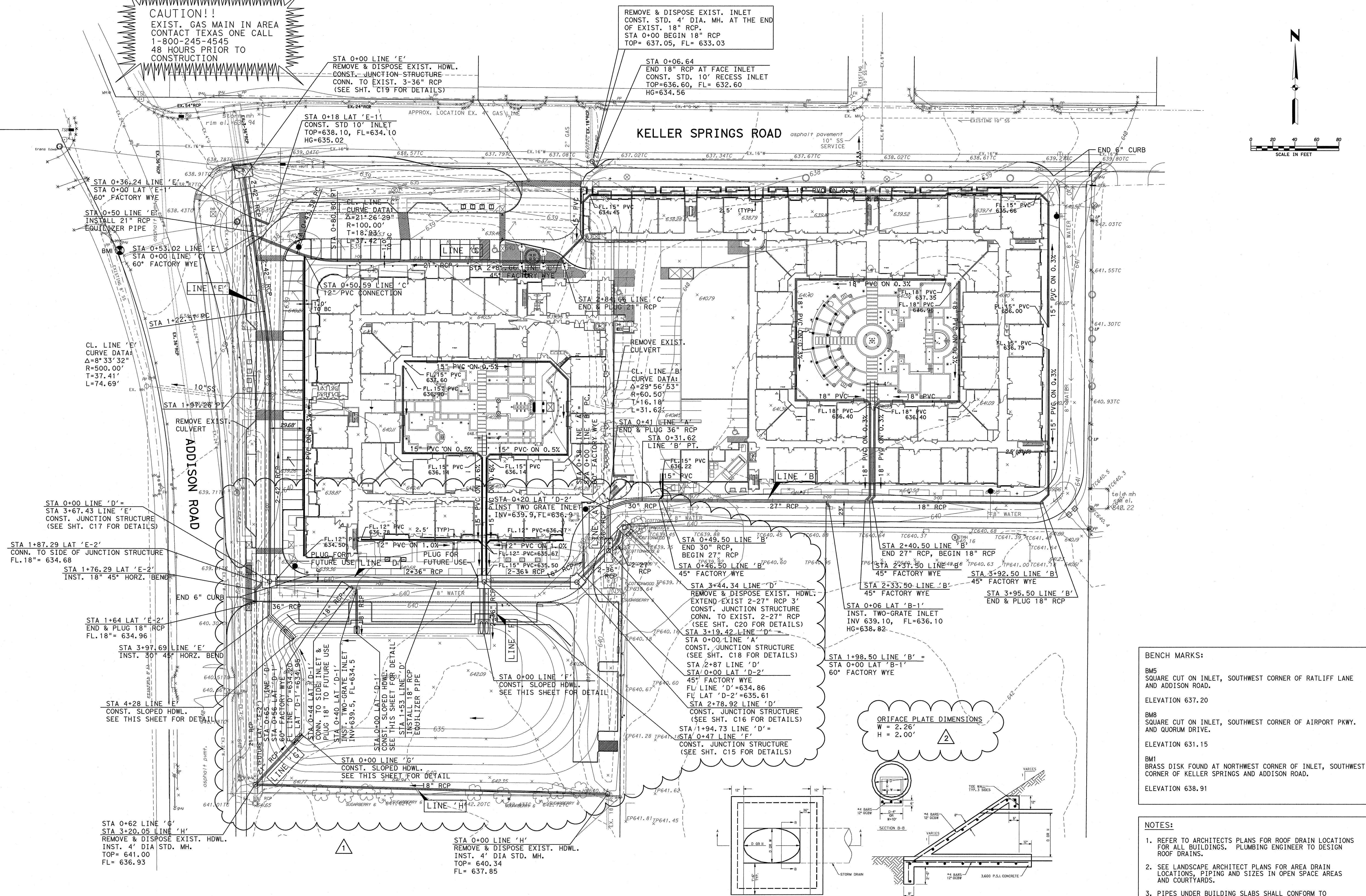
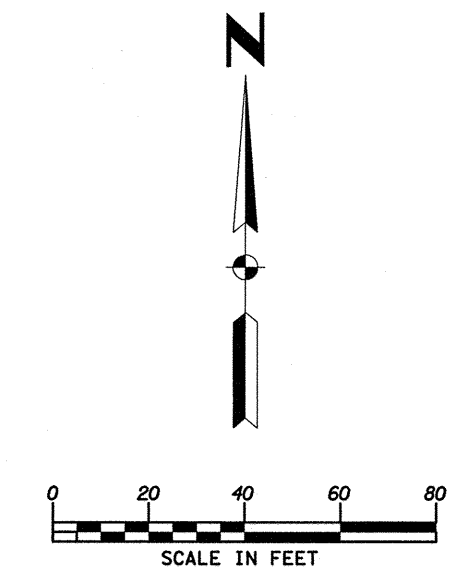
STA 0+06.64
 END 18" RCP AT FACE INLET
 CONST. STD. 10' RECESS INLET
 TOP=636.60, FL= 632.60
 HG=634.56

STA 0+18 LAT 'E-1'
 REMOVE & DISPOSE EXIST. HDWL.
 CONST. JUNCTION STRUCTURE
 CONN. TO EXIST. 3-36" RCP
 (SEE SHT. C19 FOR DETAILS)

STA 0+18 LAT 'E-1'
 CONST. STD 10' INLET
 TOP=638.10, FL=634.10
 HG=635.02

CL. LINE 'C'
 CURVE DATA:
 $\Delta=21^{\circ}26'29"$
 $R=100.00'$
 $T=18.83'$
 $L=33.42'$

KELLER SPRINGS ROAD
 asphalt pavement
 10" SS
 SERVICE



CL. LINE 'E'
 CURVE DATA:
 $\Delta=8^{\circ}33'32"$
 $R=500.00'$
 $T=37.41'$
 $L=74.69'$

STA 0+00 LINE 'D'=
 STA 3+67.43 LINE 'E'
 CONST. JUNCTION STRUCTURE
 (SEE SHT. C17 FOR DETAILS)

STA 1+87.29 LAT 'E-2'
 CONN. TO SIDE OF JUNCTION STRUCTURE
 FL.18"= 634.68

STA 1+76.29 LAT 'E-2'
 INST. 18" 45° HORZ. BEND

STA 1+64 LAT 'E-2'
 END & PLUG 18" RCP
 FL.18"= 634.96

STA 3+97.69 LINE 'E'
 INST. 30" 45° HORZ. BEND

STA 4+28 LINE 'E'
 CONST. SLOPED HDWL.
 SEE THIS SHEET FOR DETAIL

STA 0+62 LINE 'G'
 STA 3+20.05 LINE 'H'
 REMOVE & DISPOSE EXIST. HDWL.
 INST. 4" DIA STD. MH.
 TOP= 641.00
 FL= 636.93

STA 0+00 LINE 'H'
 REMOVE & DISPOSE EXIST. HDWL.
 INST. 4" DIA STD. MH.
 TOP= 640.34
 FL= 637.85

STA 0+49.50 LINE 'B'
 END 30" RCP,
 BEGIN 27" RCP

STA 0+46.50 LINE 'B'
 45° FACTORY WYE

STA 3+44.34 LINE 'D'
 REMOVE & DISPOSE EXIST. HDWL.
 EXTEND EXIST 2-27" RCP 3'
 CONST. JUNCTION STRUCTURE
 CONN. TO EXIST. 2-27" RCP
 (SEE SHT. C20 FOR DETAILS)

STA 0+00 LINE 'A'
 CONST. JUNCTION STRUCTURE
 (SEE SHT. C18 FOR DETAILS)

STA 2+87 LINE 'D'
 STA 0+00 LAT 'D-2'
 45° FACTORY WYE
 FL LINE 'D'=634.86
 FL LAT 'D-2'=635.61
 STA 2+78.92 LINE 'D'
 CONST. JUNCTION STRUCTURE
 (SEE SHT. C16 FOR DETAILS)

STA 1+94.73 LINE 'D'
 STA 0+47 LINE 'F'
 CONST. JUNCTION STRUCTURE
 (SEE SHT. C15 FOR DETAILS)

STA 2+40.50 LINE 'B'
 END 27" RCP, BEGIN 18" RCP

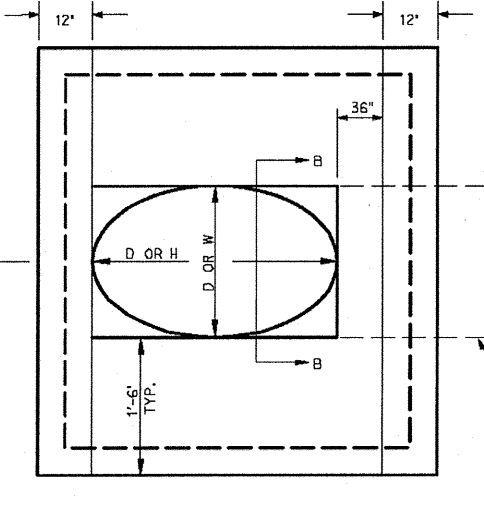
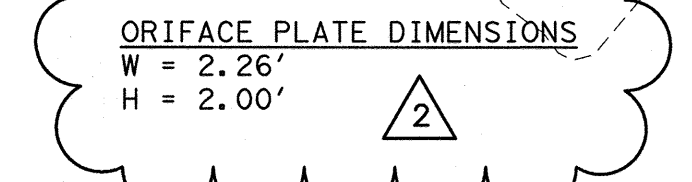
STA 2+37.50 LINE 'B'
 45° FACTORY WYE

STA 0+06 LAT 'B-1'
 INST. TWO-GRATE INLET
 INV 639.10, FL=636.10
 HG=638.82

STA 1+98.50 LINE 'B'
 STA 0+00 LAT 'B-1'
 60° FACTORY WYE

STA 3+92.50 LINE 'B'
 45° FACTORY WYE

STA 3+95.50 LINE 'B'
 END & PLUG 18" RCP

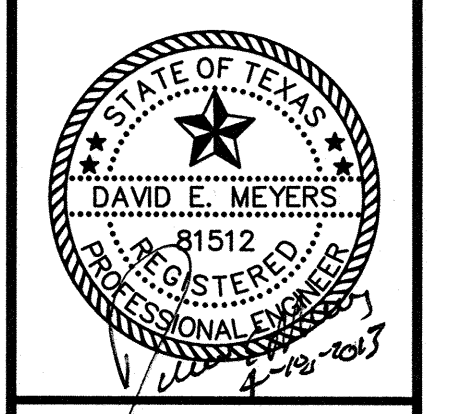


- BENCH MARKS:**
- BMS SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.
ELEVATION 637.20
 - BMS SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
ELEVATION 631.15
 - BM1 BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
ELEVATION 638.91

- NOTES:**
- REFER TO ARCHITECTS PLANS FOR ROOF DRAIN LOCATIONS FOR ALL BUILDINGS. PLUMBING ENGINEER TO DESIGN ROOF DRAINS.
 - SEE LANDSCAPE ARCHITECT PLANS FOR AREA DRAIN LOCATIONS, PIPING AND SIZES IN OPEN SPACE AREAS AND COURTYARDS.
 - PIPES UNDER BUILDING SLABS SHALL CONFORM TO PLUMBING CODE REQUIREMENTS.

Kimley-Horn and Associates, Inc.
 6700 Katy, Houston, Texas 77057
 Phone: 713.265.8800
 Fax: 713.265.8801
 Email: kha@kimley-horn.com

Revision	Date
1	REVISED INLETS & STORM DRAIN
2	REVISED ORIFICE PLATE DIM.
	11/17/11
	4/18/13



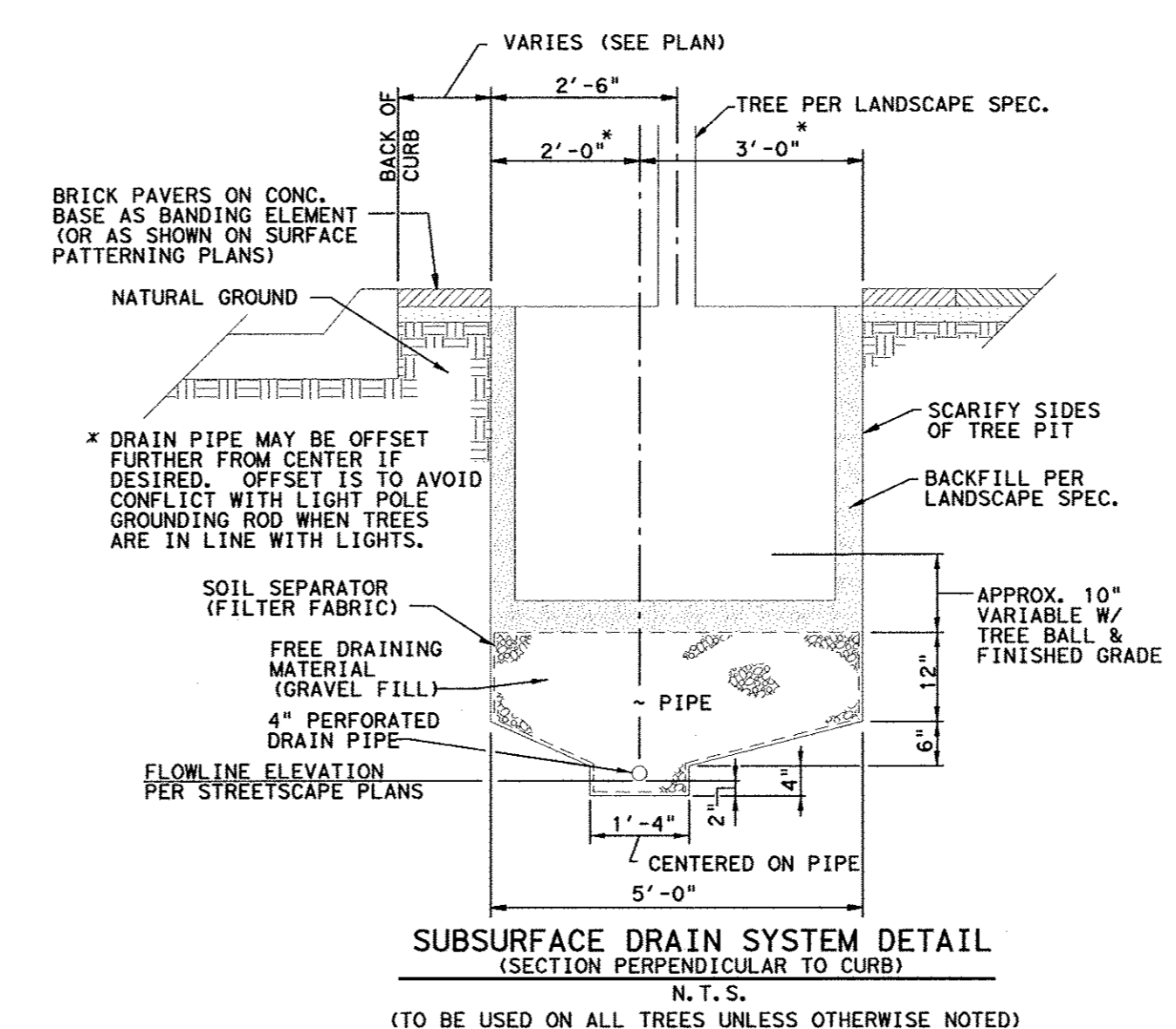
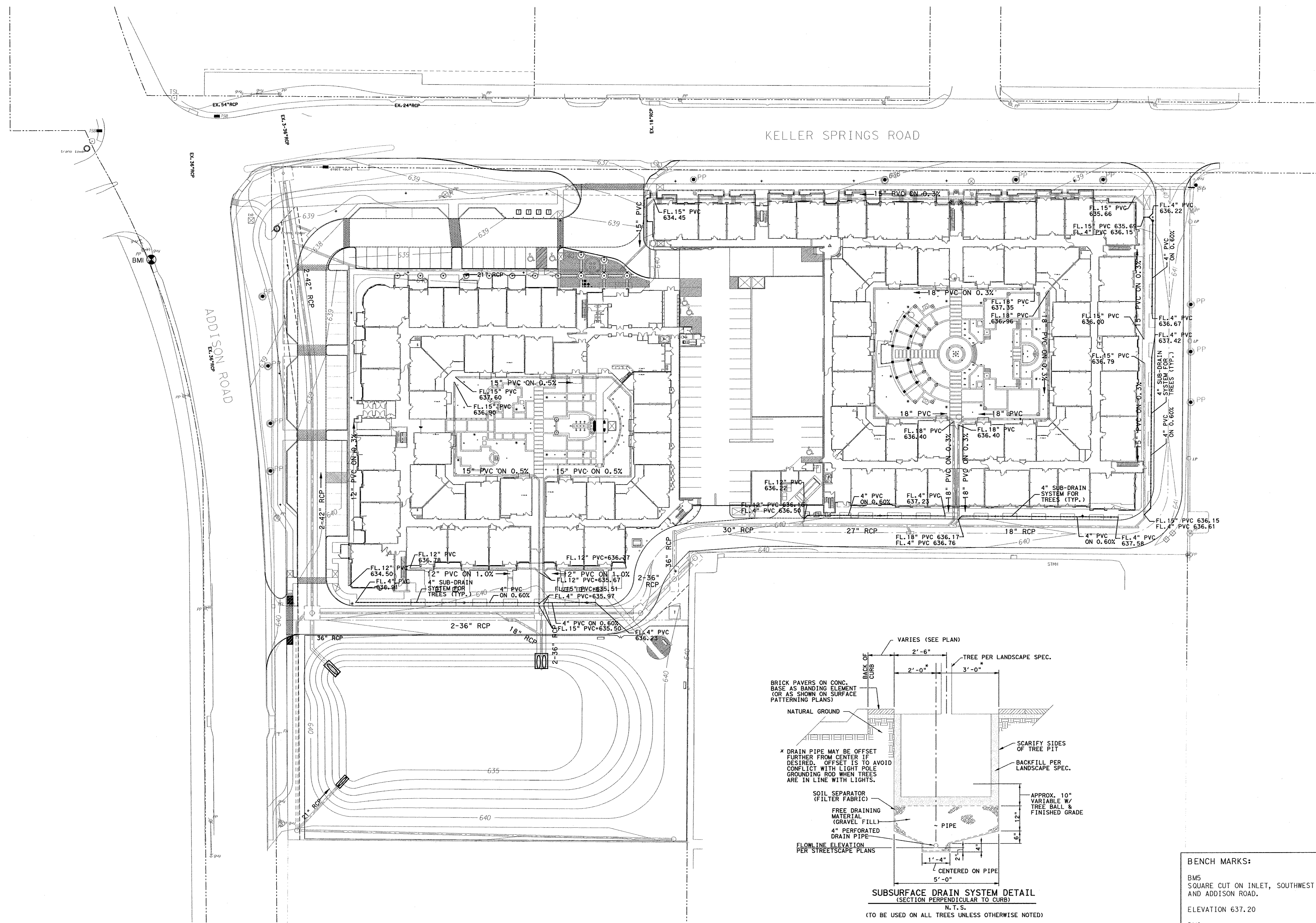
Keller Springs Lofts
 Loft Apartments in Addison
 Town of Addison, Texas

STORM SEWER PLAN

DATE: FEBRUARY 28, 2013
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO: 064362003
 CITY NO:

SHEET

C8



BENCH MARKS:

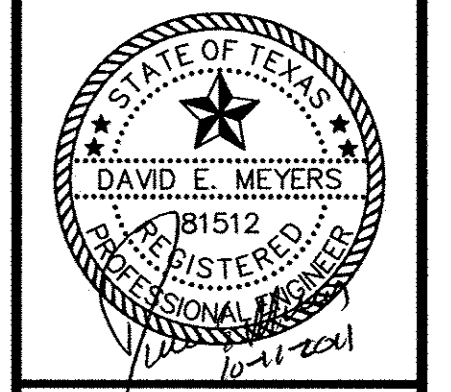
BM5
SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.
ELEVATION 637.20

BM8
SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
ELEVATION 631.15

BM1
BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
ELEVATION 638.91

Kimley-Horn and Associates, Inc.
1000 West Park Drive, Suite 800
Dallas, TX 75208-1888 Tel: 214-770-8000
Fax: 214-770-8000

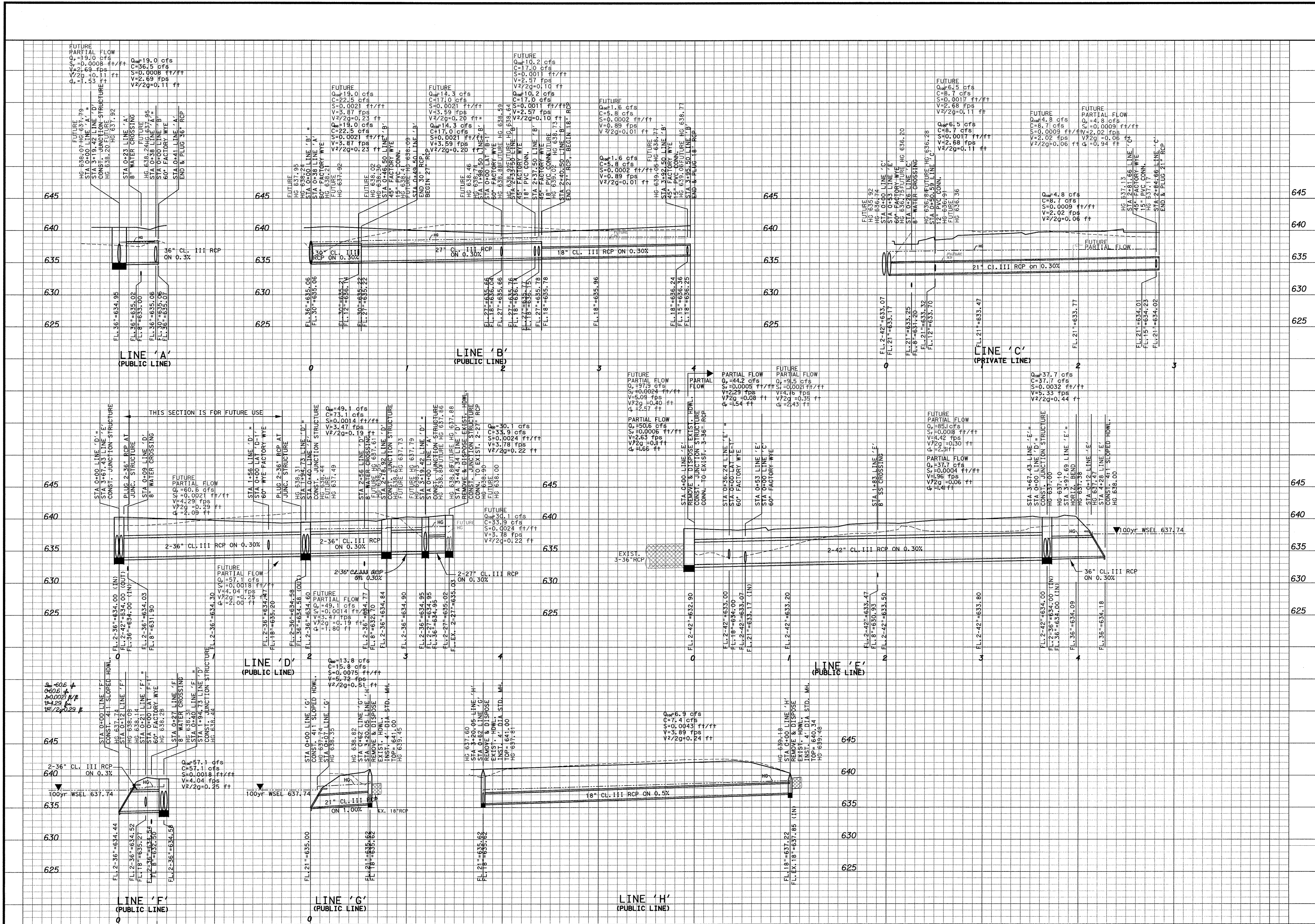
No.	Revision	Date



Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

TREE DRAIN PLAN

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 064362003
CITY NO.:

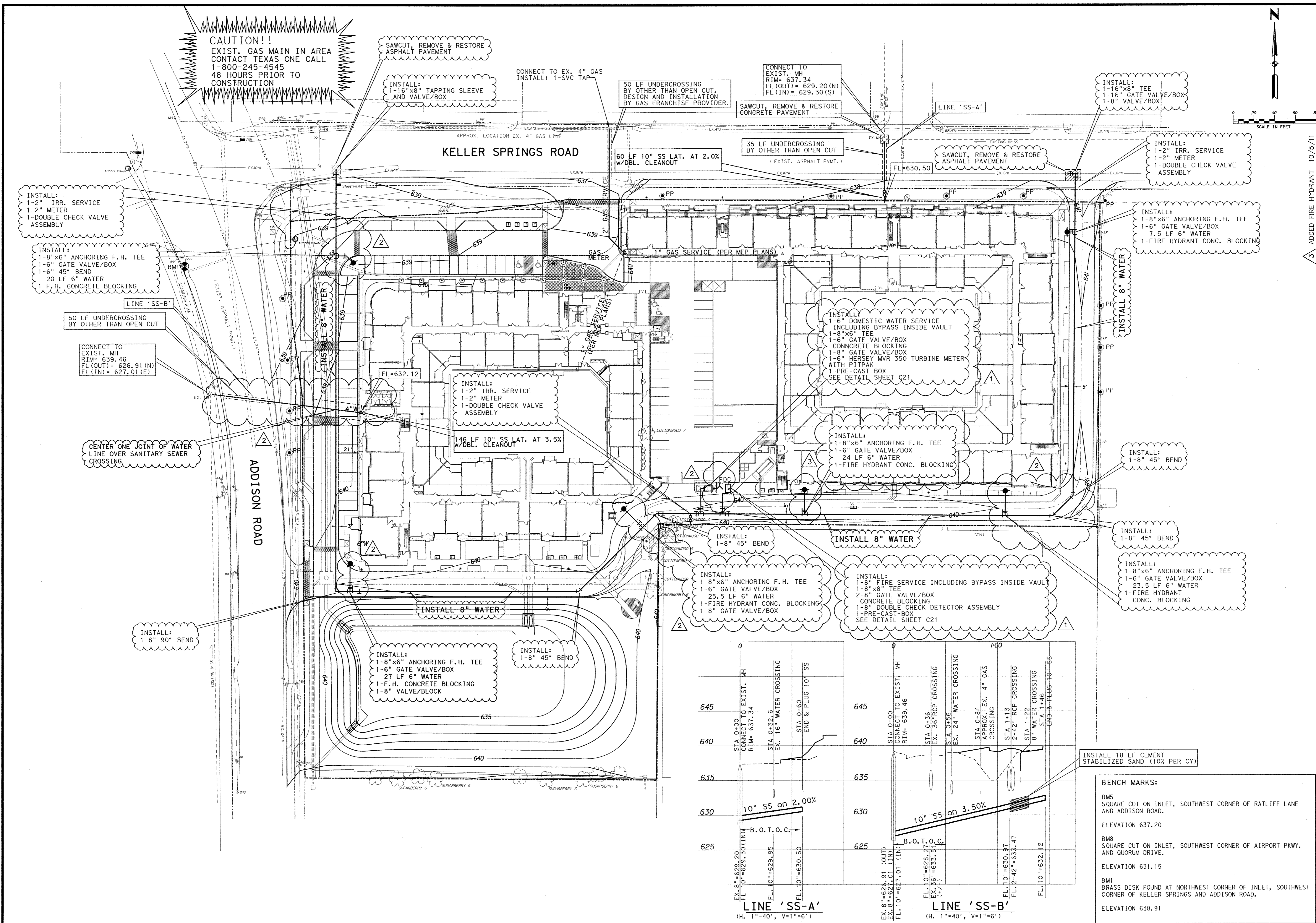


Keller Springs Lofts Loft Apartments in Addison

Town of Addison, Texas

STORM SEWER PROFILES

DATE: OCTOBER 11, 2011
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO: 064-362003
 CITY NO:



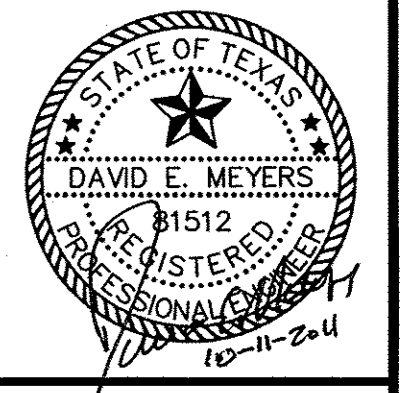
**Kimley-Horn
and Associates, Inc.**

2700 West Central Expressway, Suite 800
Dallas, Texas 75201
Phone: 972-761-1111
Fax: 972-761-1112

Revision	Date
1	8/26/11
2	9/14/11

NO. 1
REVISED WATER SERVICE AND
FIRE SERVICE NOTES

NO. 2
RELOCATED FIRE HYDRANTS PER
TOWN & REVISED LINE SS-B

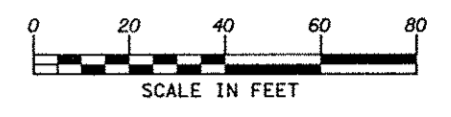
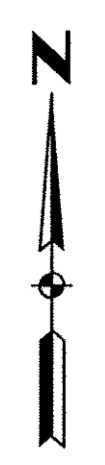
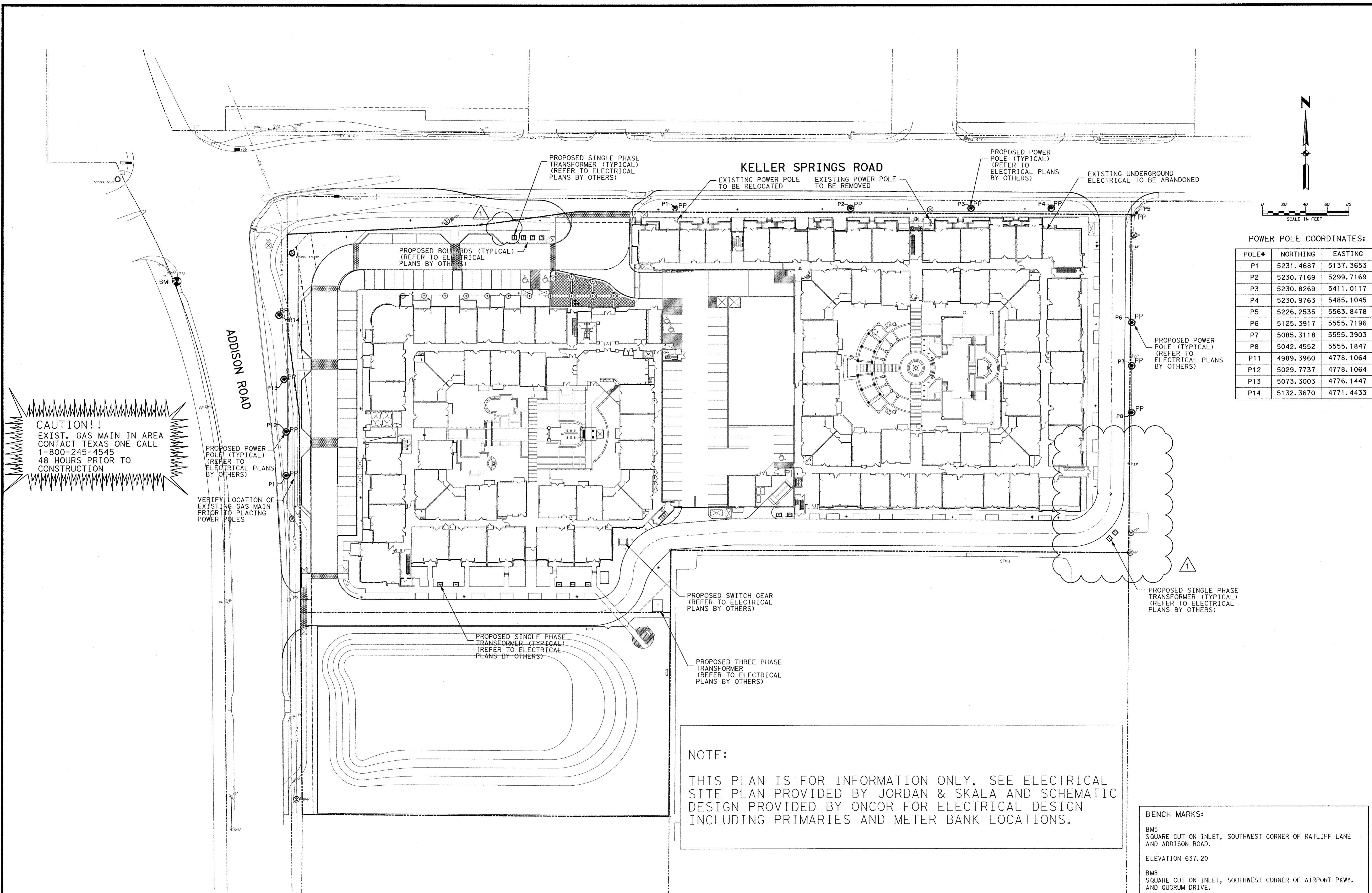


Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

**WATER AND WASTEWATER
PLAN - PROFILE**

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 06-4362003
CITY NO.:

SHEET
C10



POWER POLE COORDINATES:

POLE#	NORTHING	EASTING
P1	5231.4687	5137.3653
P2	5230.7169	5299.7169
P3	5230.8269	5411.0117
P4	5230.9763	5485.1045
P5	5226.2535	5563.8478
P6	5125.3917	5555.7196
P7	5085.3118	5555.3903
P8	5042.4552	5555.1847
P11	4989.3960	4778.1064
P12	5029.7737	4778.1064
P13	5073.3003	4776.1447
P14	5132.3670	4771.4433

CAUTION!!
 EXIST. GAS MAIN IN AREA
 CONTACT TEXAS ONE CALL
 1-800-245-4545
 48 HOURS PRIOR TO
 CONSTRUCTION

PROPOSED POWER POLE (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

VERIFY LOCATION OF EXISTING GAS MAIN PRIOR TO PLACING POWER POLES

PROPOSED BOLLARDS (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

PROPOSED SINGLE PHASE TRANSFORMER (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

EXISTING POWER POLE TO BE RELOCATED

EXISTING POWER POLE TO BE REMOVED

PROPOSED POWER POLE (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

EXISTING UNDERGROUND ELECTRICAL TO BE ABANDONED

PROPOSED POWER POLE (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

PROPOSED SWITCH GEAR
 (REFER TO ELECTRICAL PLANS BY OTHERS)

PROPOSED SINGLE PHASE TRANSFORMER (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

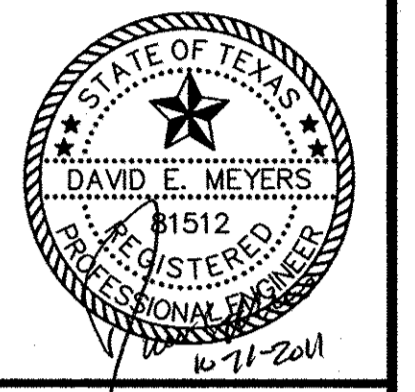
PROPOSED THREE PHASE TRANSFORMER
 (REFER TO ELECTRICAL PLANS BY OTHERS)

PROPOSED SINGLE PHASE TRANSFORMER (TYPICAL)
 (REFER TO ELECTRICAL PLANS BY OTHERS)

NOTE:
 THIS PLAN IS FOR INFORMATION ONLY. SEE ELECTRICAL SITE PLAN PROVIDED BY JORDAN & SKALA AND SCHEMATIC DESIGN PROVIDED BY ONCOR FOR ELECTRICAL DESIGN INCLUDING PRIMARIES AND METER BANK LOCATIONS.

BENCH MARKS:
 BM5
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.
 ELEVATION 637.20
 BM6
 SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
 ELEVATION 631.15
 BM1
 BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
 ELEVATION 638.91

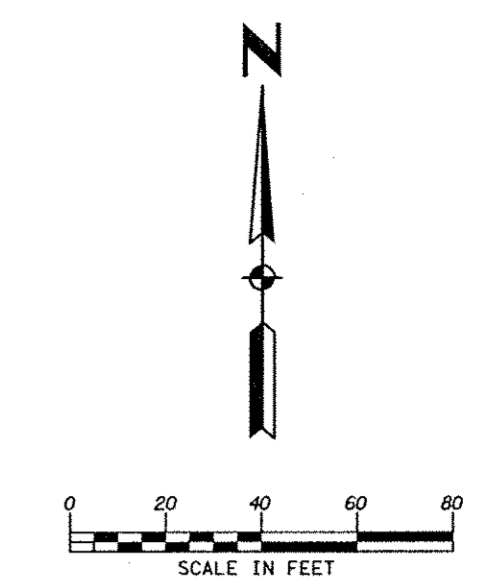
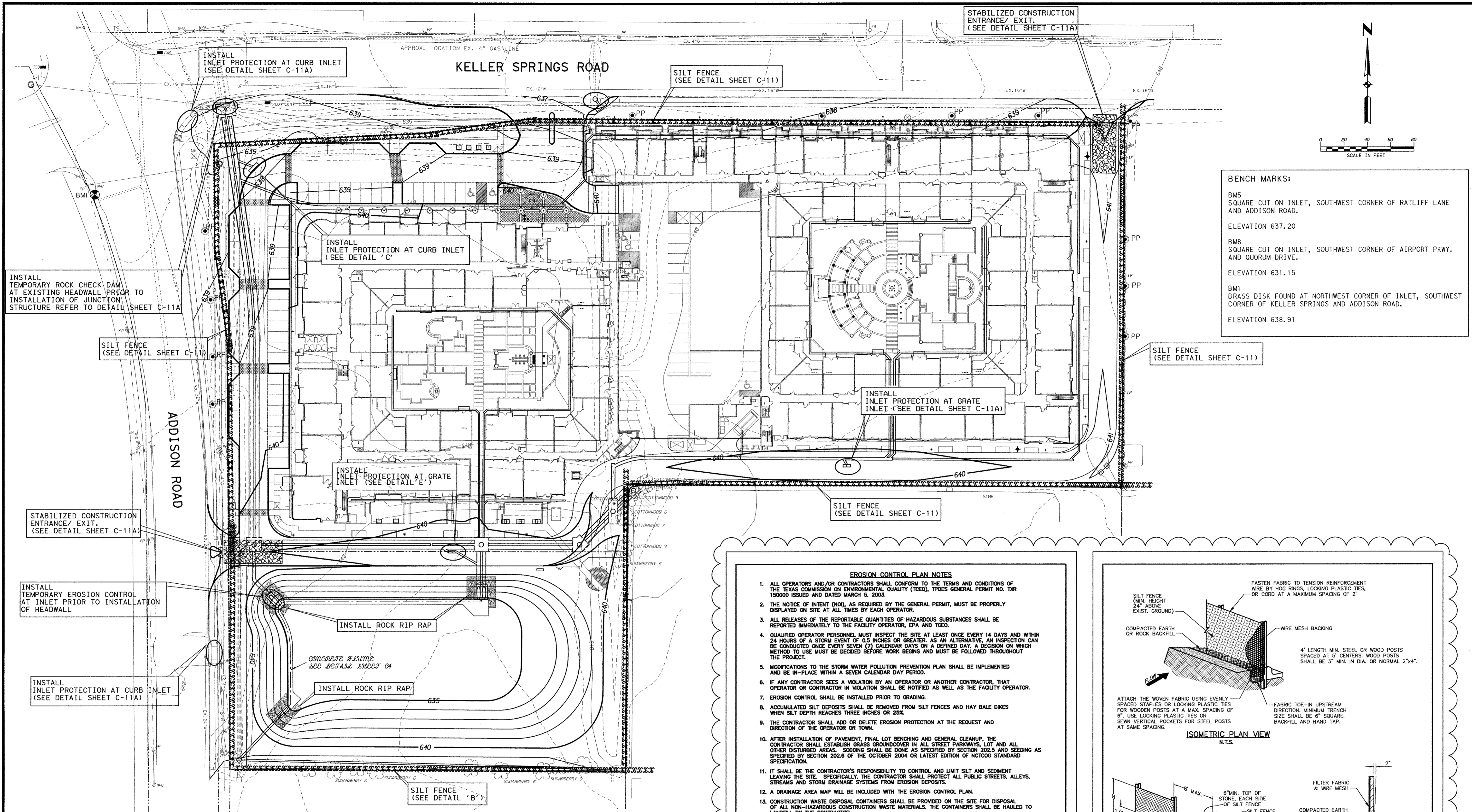
Kimley-Horn and Associates, Inc.
 1000 West Central Expressway, Suite 800
 Irving, TX 75039
 Phone: 972.261.1111
 Fax: 972.261.1112
 Email: kha@kimley-horn.com
 Project No.: 064362003
 Revision: 1
 Description: REVISED TRANSFORMERS AND POWER POLE LAYOUTS
 Date: 9/19/11



**Keller Springs Lofts
 Loft Apartments in Addison**
 Town of Addison, Texas

ELECTRICAL SITE PLAN

DATE: OCTOBER 11, 2011
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO.: 064362003
 CITY NO.:
 SHEET



BENCH MARKS:

BM5
SQUARE CUT ON INLET, SOUTHWEST CORNER OF RATLIFF LANE AND ADDISON ROAD.
ELEVATION 637.20

BM8
SQUARE CUT ON INLET, SOUTHWEST CORNER OF AIRPORT PKWY. AND QUORUM DRIVE.
ELEVATION 631.15

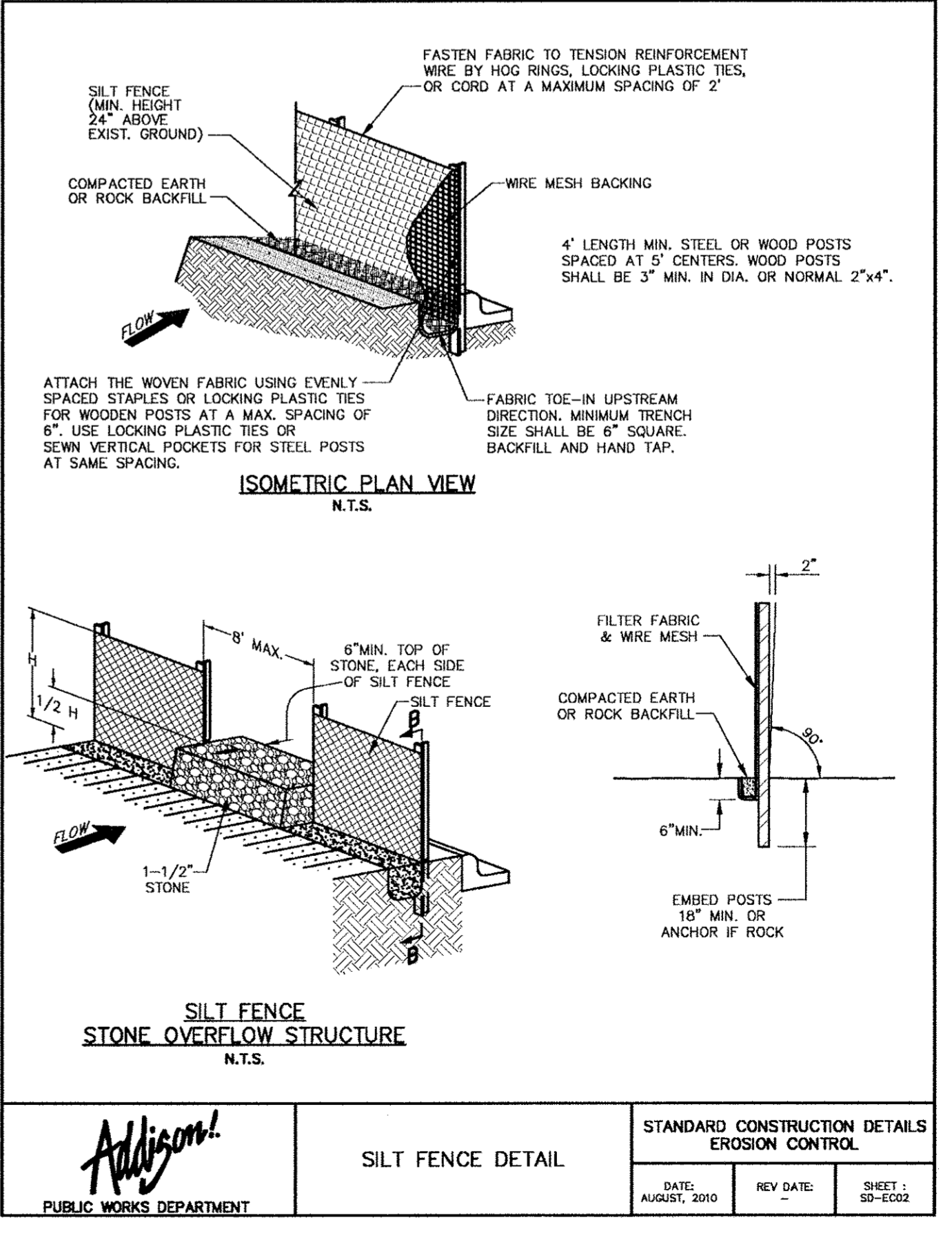
BM1
BRASS DISK FOUND AT NORTHWEST CORNER OF INLET, SOUTHWEST CORNER OF KELLER SPRINGS AND ADDISON ROAD.
ELEVATION 638.91

EROSION CONTROL PLAN NOTES

1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), TPDES GENERAL PERMIT NO. TDR 150000 ISSUED AND DATED MARCH 5, 2003.
2. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR.
3. ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA AND TCEQ.
4. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER. AS AN ALTERNATIVE, AN INSPECTION CAN BE CONDUCTED ONCE EVERY SEVEN (7) CALENDAR DAYS ON A DESIGNATED DAY. A DECISION ON WHICH METHOD TO USE MUST BE DECIDED BEFORE WORK BEGINS AND MUST BE FOLLOWED THROUGHOUT THE PROJECT.
5. MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD.
6. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
7. EROSION CONTROL SHALL BE INSTALLED PRIOR TO GRADING.
8. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
9. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
10. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUNDCOVER IN ALL STREET PARKWAYS, LOT AND ALL OTHER DISTURBED AREAS. SOODING SHALL BE DONE AS SPECIFIED BY SECTION 202.6 AND SEEDING AS SPECIFIED BY SECTION 202.6 OF THE OCTOBER 2004 OR LATEST EDITION OF NCTCOG STANDARD SPECIFICATION.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
12. A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
13. CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO LANDFILL BY THE CONTRACTOR.
14. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SILT FENCE NOTES

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18 INCHES.
2. THE TOP OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SHARPE OR MECHANICAL TRENCHER, SO THAT THE TRENCHING DEPTH IS 12 INCHES AND PERPENDICULAR TO THE LINE OF FLOW. WIRE MESH SHALL NOT BE TRENCHED IN THE PAVEMENT. THE FABRIC FLAP WITH WASHED GRAVEL SHALL BE LIFTED TO PREVENT FLOW UNDER THE FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 8 INCHES DEEP AND 8 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPIDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 3 INCHES. THE SILT SHALL BE SLOTTED AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL



 PUBLIC WORKS DEPARTMENT	EROSION CONTROL & SILT FENCE NOTES	STANDARD CONSTRUCTION DETAILS EROSION CONTROL
	DATE: AUGUST, 2010	REV DATE:
 PUBLIC WORKS DEPARTMENT	SILT FENCE DETAIL	STANDARD CONSTRUCTION DETAILS EROSION CONTROL
	DATE: AUGUST, 2010	REV DATE:

Kimley-Horn and Associates, Inc.
2700 Perimeter Drive, Suite 900
Atlanta, GA 30328
Phone: 404-875-7000
Fax: 404-875-7001

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 06-4362003
CITY NO.:

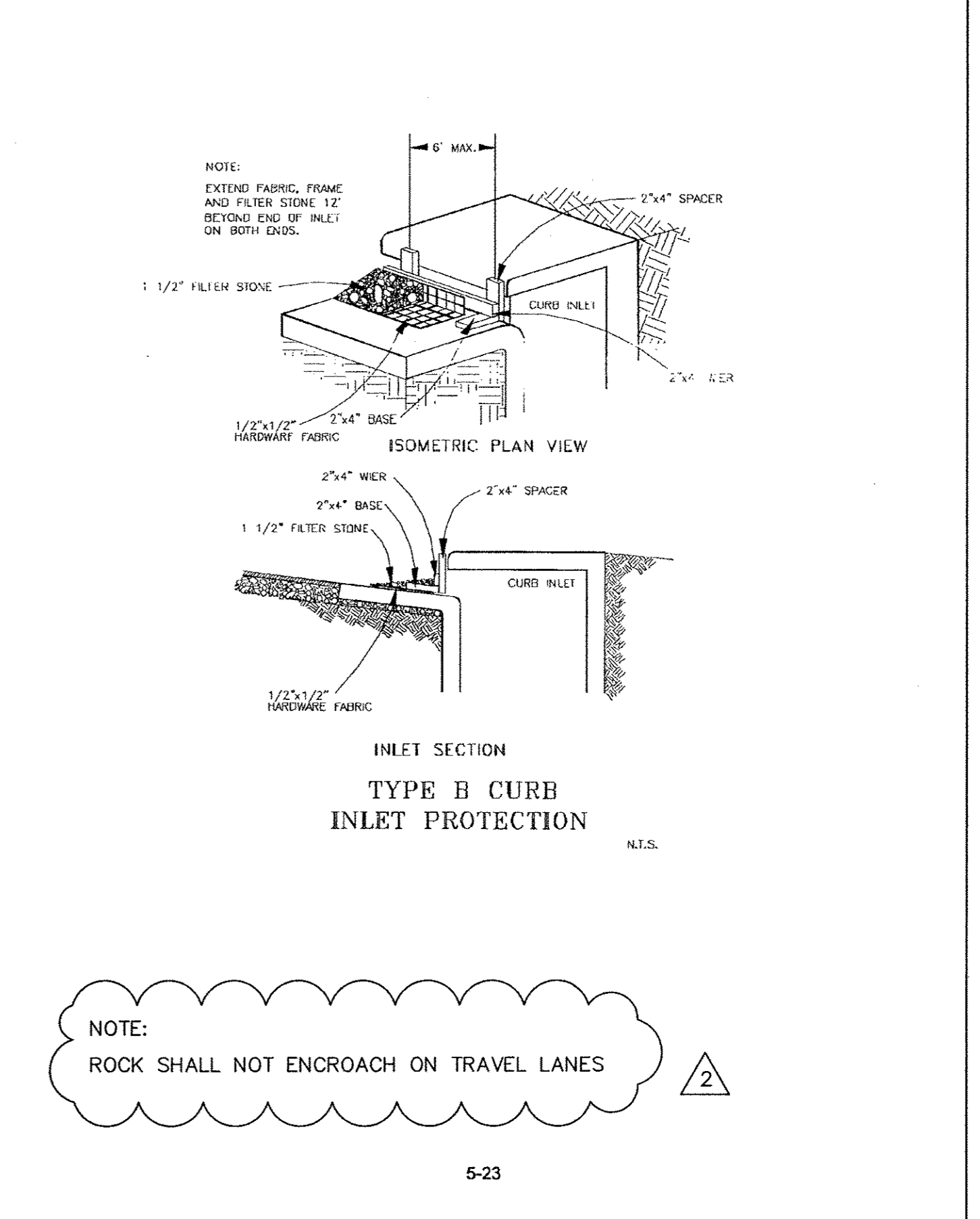
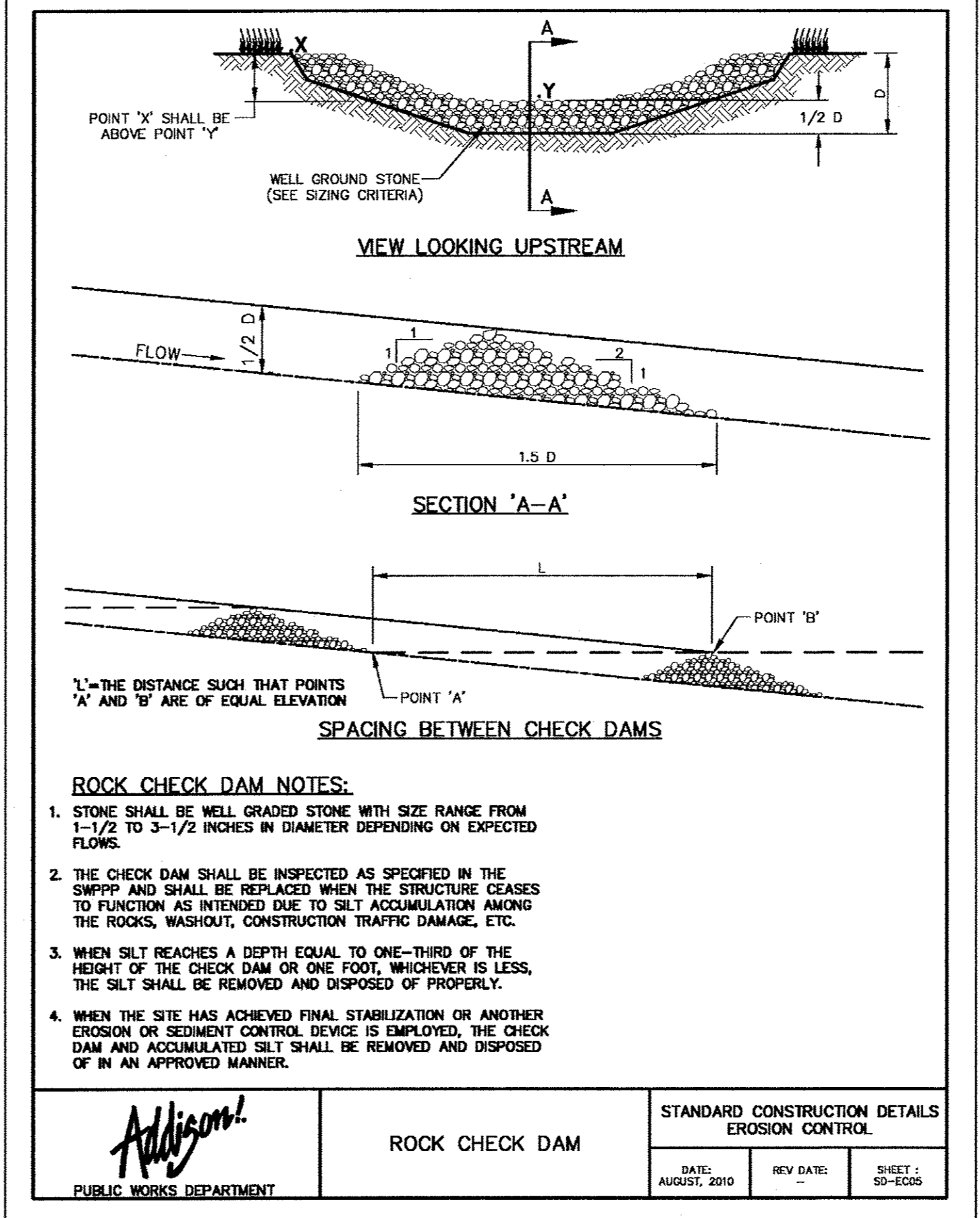
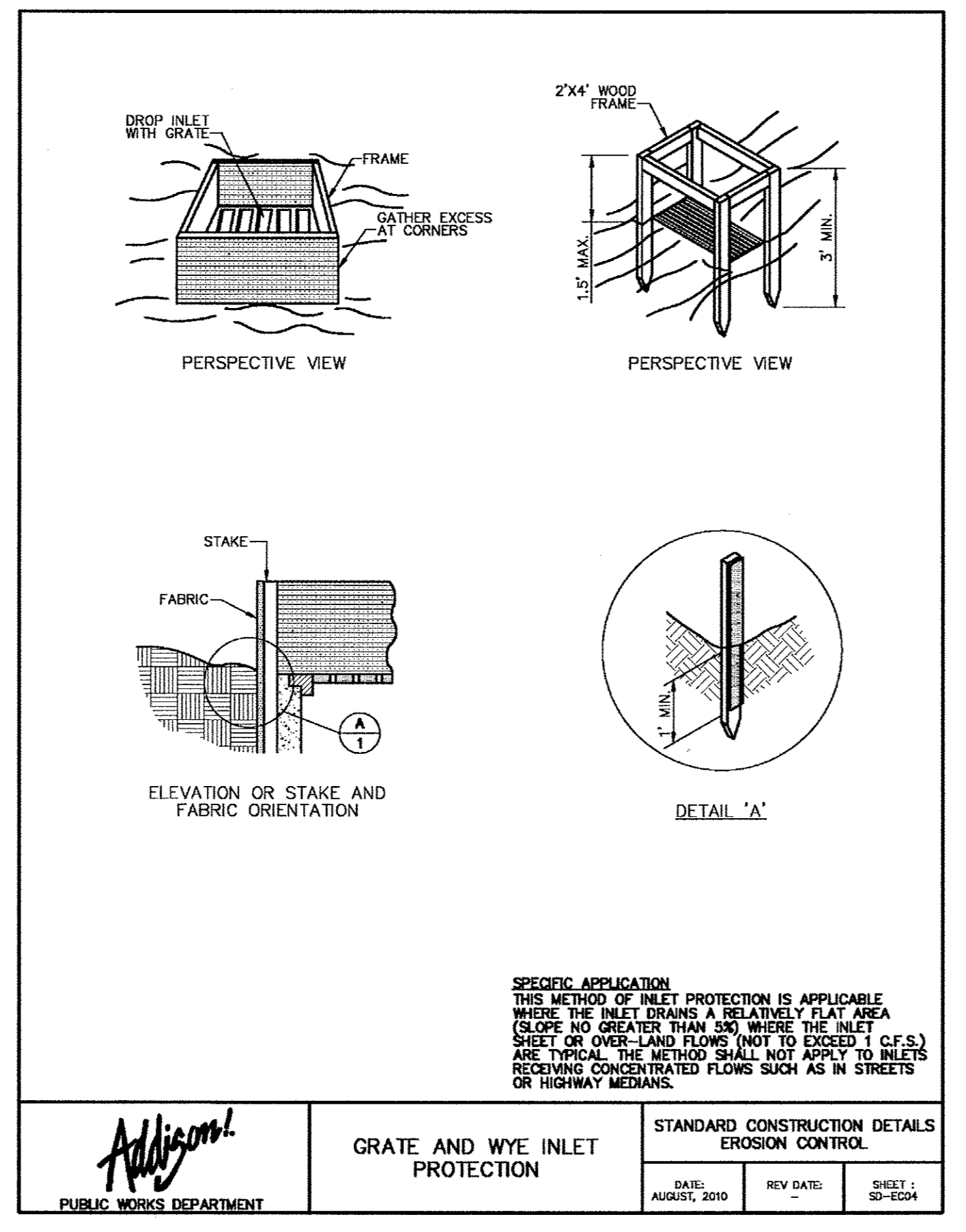
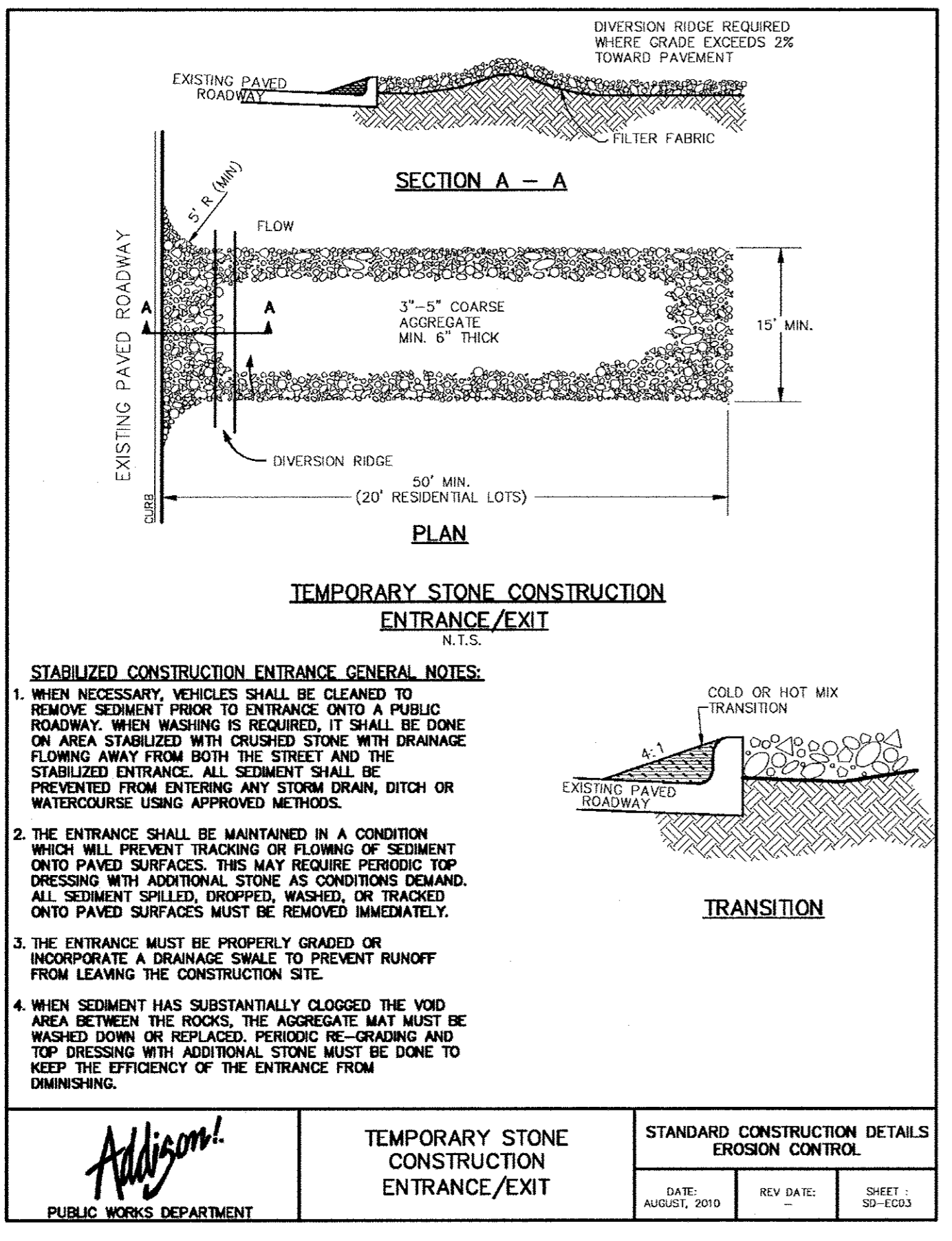
REVISION
1 REVISED TOWN DETAILS
Date: 8/26/11

STATE OF TEXAS
DAVID E. MEYERS
REGISTERED PROFESSIONAL ENGINEER
No. 112611

**Keller Springs Lofts
Loft Apartments in Addison**
Town of Addison, Texas

POLLUTION CONTROL PLAN

SHEET
C11



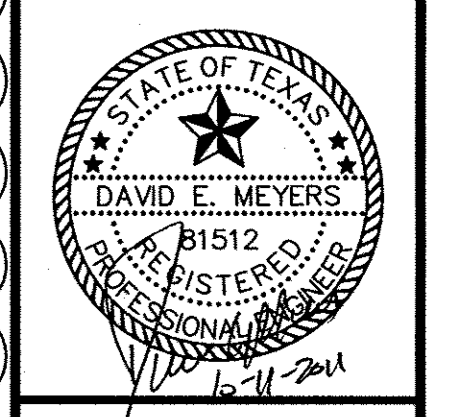
 PUBLIC WORKS DEPARTMENT	TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE:	SHEET: SD-EC03

 PUBLIC WORKS DEPARTMENT	GRATE AND WYE INLET PROTECTION	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE:	SHEET: SD-EC04

 PUBLIC WORKS DEPARTMENT	ROCK CHECK DAM	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE:	SHEET: SD-EC05

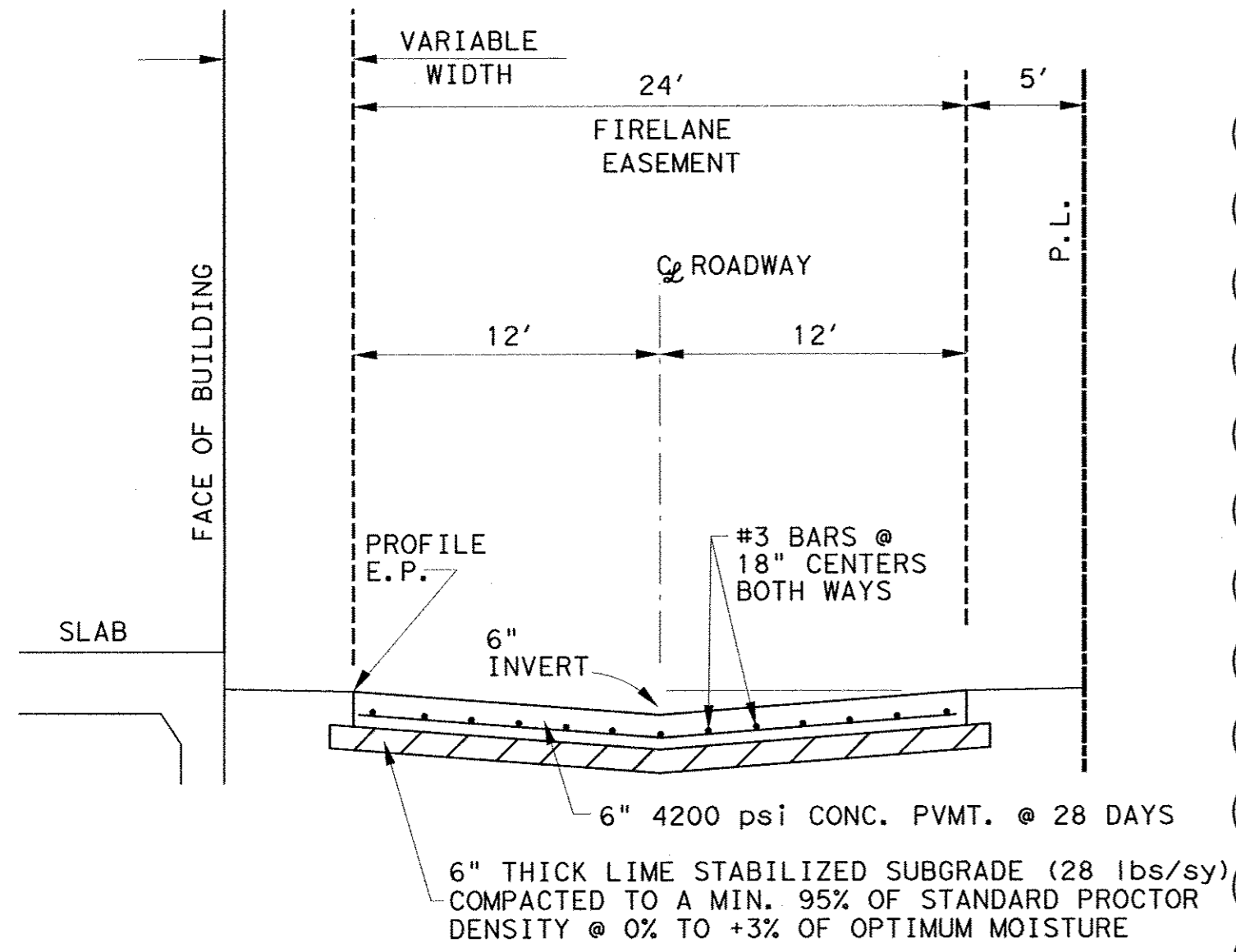
NOTE: ROCK SHALL NOT ENCR OACH ON TRAVEL LANES		
5-23		

 Kimley-Horn and Associates, Inc. 2000 West Loop South, Suite 800 Dallas, TX 75249-8888 972-770-8000 FAX: 972-770-8988		Date: 8/26/11 Revision: 1 REVISION TOWN DETAILS 2 REVISD TYPE B CURB INLET PROTECTION DETAIL 9/19/11
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Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

POLLUTION CONTROL PLAN	
DATE: OCTOBER 11, 2011 DESIGN: KHA DRAWN: KHA CHECKED: KHA KHA NO.: 064-362003 CITY NO.:	SHEET C11a



**FIRELANE
BEHIND BUILDING
LOOKING NORTH/EAST**

- PAVING - GENERAL NOTES**
- GENERAL: PAVEMENT THICKNESS IS AS SHOWN IN ITEM 7. SUBGRADE DESIGN SHALL CONFORM TO TOWN OF ADDISON PUBLIC WORKS REQUIREMENTS IN ITEM 3, AND SHALL EXTEND 12" MIN. BEHIND THE BACK OF CURB.
 - REINFORCED CONCRETE PAVEMENT:
 - CONCRETE STRENGTH SHALL BE AS SHOWN IN ITEM 7 (NCTCOG LATEST EDITION).
 - ALL CURBS SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE OF THE SAME STRENGTH AS CONCRETE PAVEMENT.
 - DETAIL AND ARRANGEMENT OF PAVEMENT JOINTS, ALL TYPES, SHALL BE AS SHOWN ON THE TOWN STANDARD CONSTRUCTION DETAILS.
 - BAR LAPS SHALL BE THIRTY DIAMETERS.
 - REINFORCING STEEL SHALL BE #3 REBAR (3/8") ON 18" CENTERS FOR 8" OR LESS. #4 FOR 10" OR ABOVE.
 - SUBGRADE: SUBGRADE UNDER ALL PAVEMENT SHALL BE 6" THICK AND SHALL BE STABILIZED WITH AT LEAST 30 LBS. PER SQ. YD. HYDRATED LIME, COMPACTED TO A DENSITY NOT LESS THAN 95 PERCENT. LABORATORY TESTS MUST BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL TO DETERMINE AMOUNT OF LIME REQUIRED. LABORATORY TEST MAY BE WAIVED PROVIDED AT LEAST 30 LBS. OF LIME PER SQ. YD. IS USED. SEE NCTCOG ITEM 301.2 "LIME TREATMENT", FLEXIBLE BASE (CRUSHED STONE/CONCRETE) PER NCTCOG ITEM 301.5 MAY BE SUBSTITUTED FOR LIME TREATMENT WITH THE APPROVAL OF THE TOWN ENGINEER.
 - REBAR SHALL BE SUPPORTED BY BAR CHAIRS OR OTHER DEVICES APPROVED BY TOWN ENGINEER.
 - NO TRAFFIC ON FINISHED SUBGRADE SHALL BE PERMITTED AFTER REINFORCING STEEL IS INSTALLED ABOVE SUBGRADE. NO TRAFFIC SHALL BE PERMITTED BEFORE OR DURING THE PLACING OF CONCRETE.
 - CROSS SLOPE OF STRAIGHT CROWN STREETS SHALL BE 1/4" PER FOOT UNLESS APPROVED BY THE TOWN ENGINEER.
 - PAVEMENT THICKNESS AND STRENGTHS SHALL BE AS FOLLOWS:

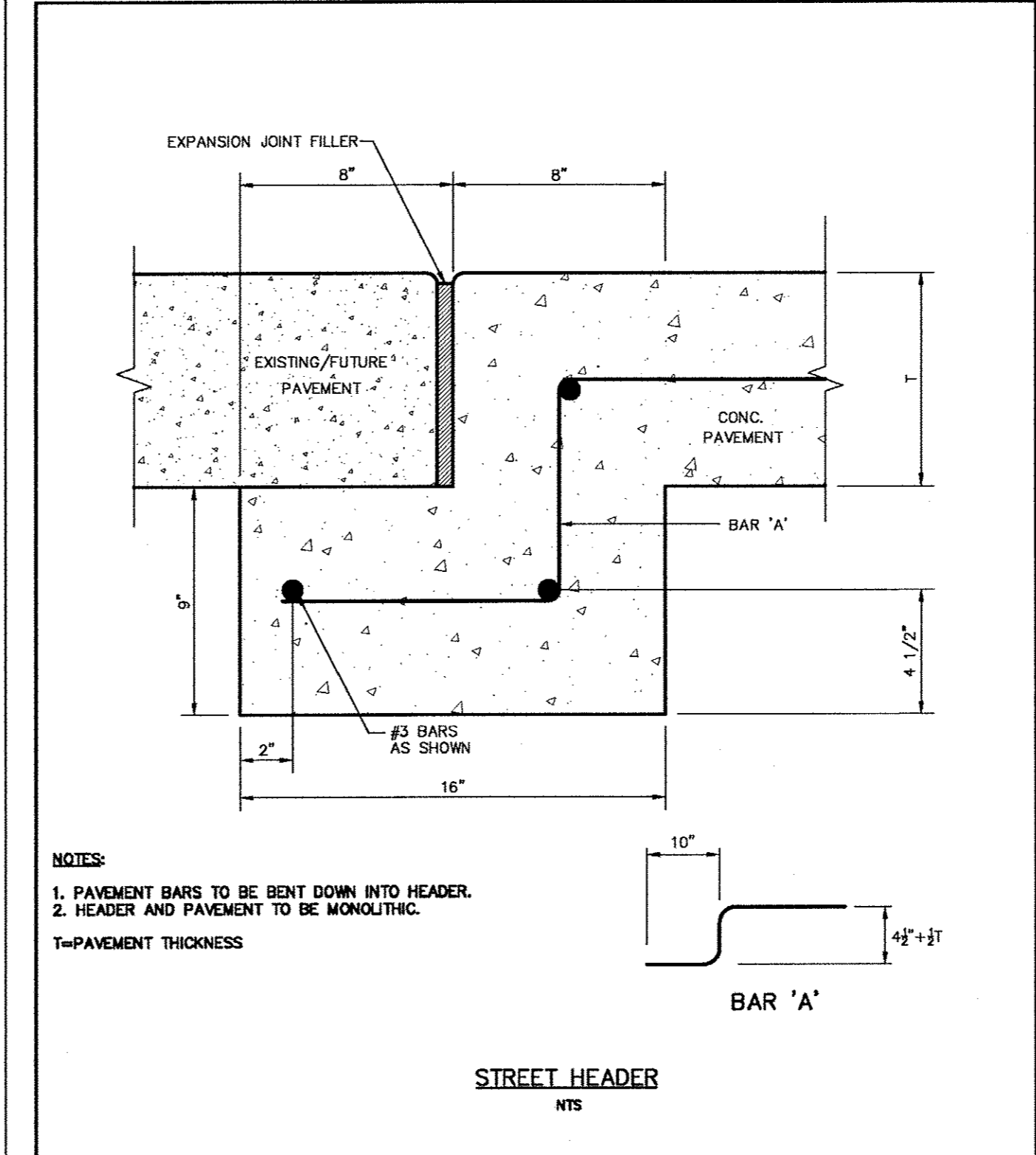
MAJOR ARTERIAL	- 10" CLASS "P1" OR "P2."
MINOR ARTERIAL	- 8" CLASS "P1" OR "P2."
COMMERCIAL/INDUSTRIAL COLLECTOR	- 8" CLASS "P1" OR "P2."
RESIDENTIAL LOCAL	- 8" CLASS "P1" OR "P2."
SIDEWALK AND BRW	- 4" CLASS "A"
DRIVE APPROACH	- 8" CLASS "P2"
ALLEY	- 8" CLASS "P1" OR "P2."
 - CONCRETE MIX DESIGN SHALL BE AS DEFINED BY NCTCOG 303.3.
 - ALL MEDIANS AND PARKWAYS SHALL BE PROVIDED WITH BERMUDA GROUND COVER.
 - ONCE A CURB ABUTTING A THOROUGHFARE HAS BEEN SAWCUT AND REMOVED, THE CONTRACTOR MUST REPLACE THE CONCRETE WITH A NEW POUR (A DRIVEWAY) WITHIN 14 CALENDAR DAYS. LIQUIDATED DAMAGES WILL BE ASSESSED AT \$500 PER DAY FOR EACH CALENDAR DAY IN EXCESS OF 14 CALENDAR DAYS. PAYMENT SHALL BE MADE PRIOR TO ACCEPTANCE OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 - ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%.
 - ALLEYS AND DRIVEWAYS
 - CONCRETE FOR ALLEY RETURNS AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS IDENTICAL TO THAT SPECIFIED FOR THE STREET PAVEMENT OR BASE WHEN BUILT AS COMPONENTS OF A CONCRETE PAVING PROJECT. WHEN BUILT SEPARATELY, THE STRENGTH SHALL BE AS SPECIFIED ON THE CONSTRUCTION PLAN.
 - SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO PARABOLIC STREET PAVEMENT.

Addison!
PUBLIC WORKS DEPARTMENT

**PAVING
GENERAL NOTES**

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P01

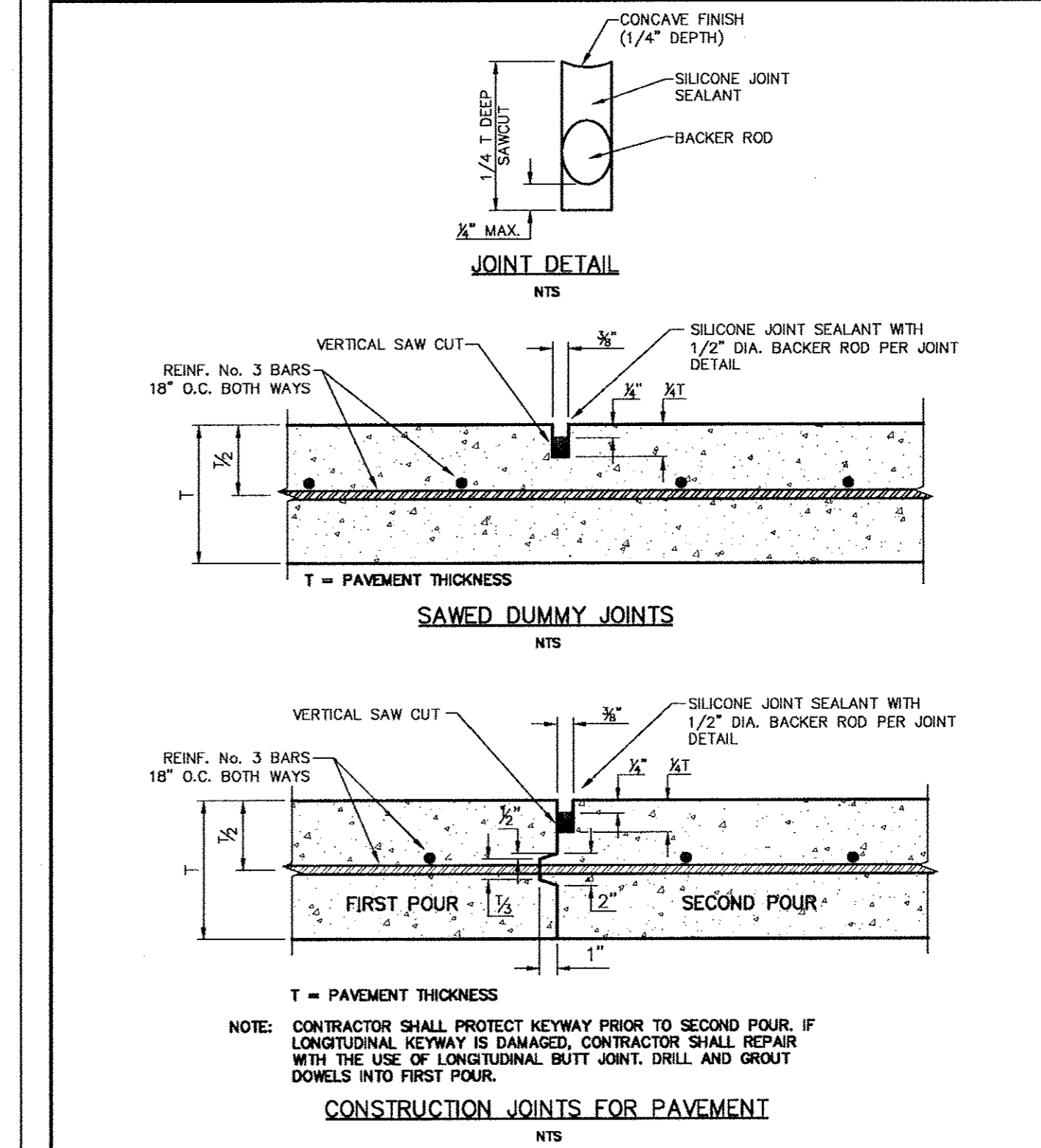


Addison!
PUBLIC WORKS DEPARTMENT

STREET HEADER

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P15

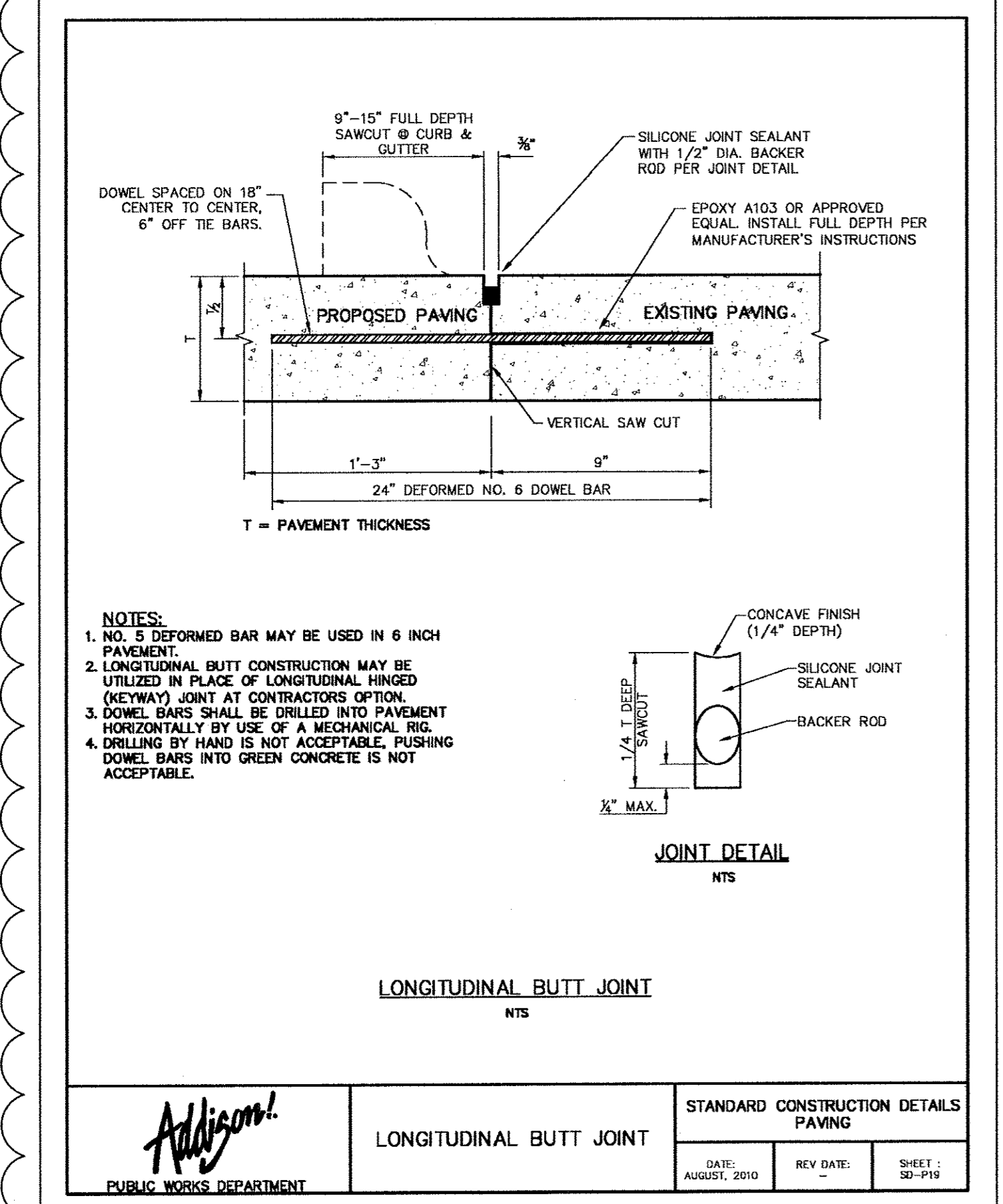


Addison!
PUBLIC WORKS DEPARTMENT

JOINT DETAILS

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P18

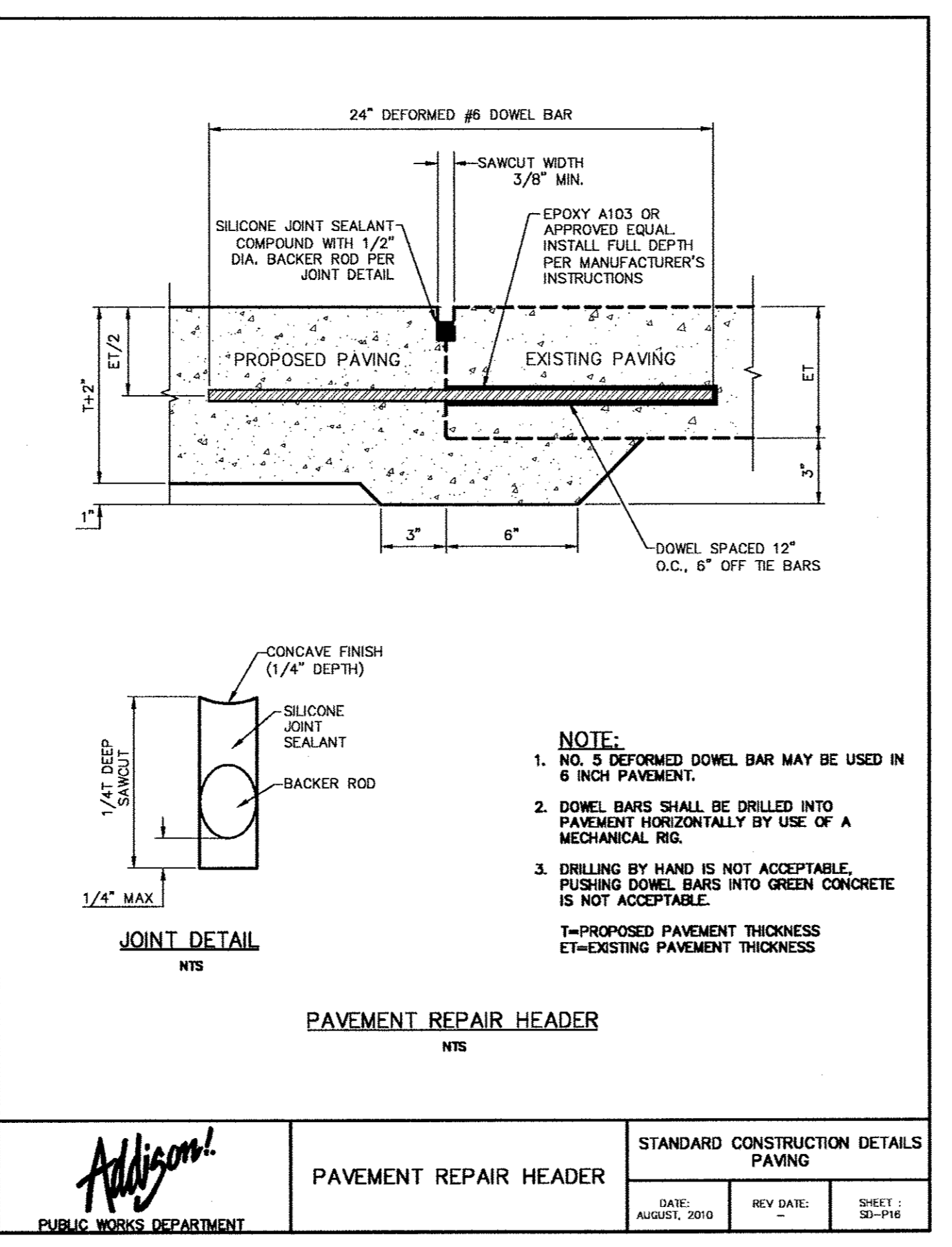


Addison!
PUBLIC WORKS DEPARTMENT

LONGITUDINAL BUTT JOINT

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P19

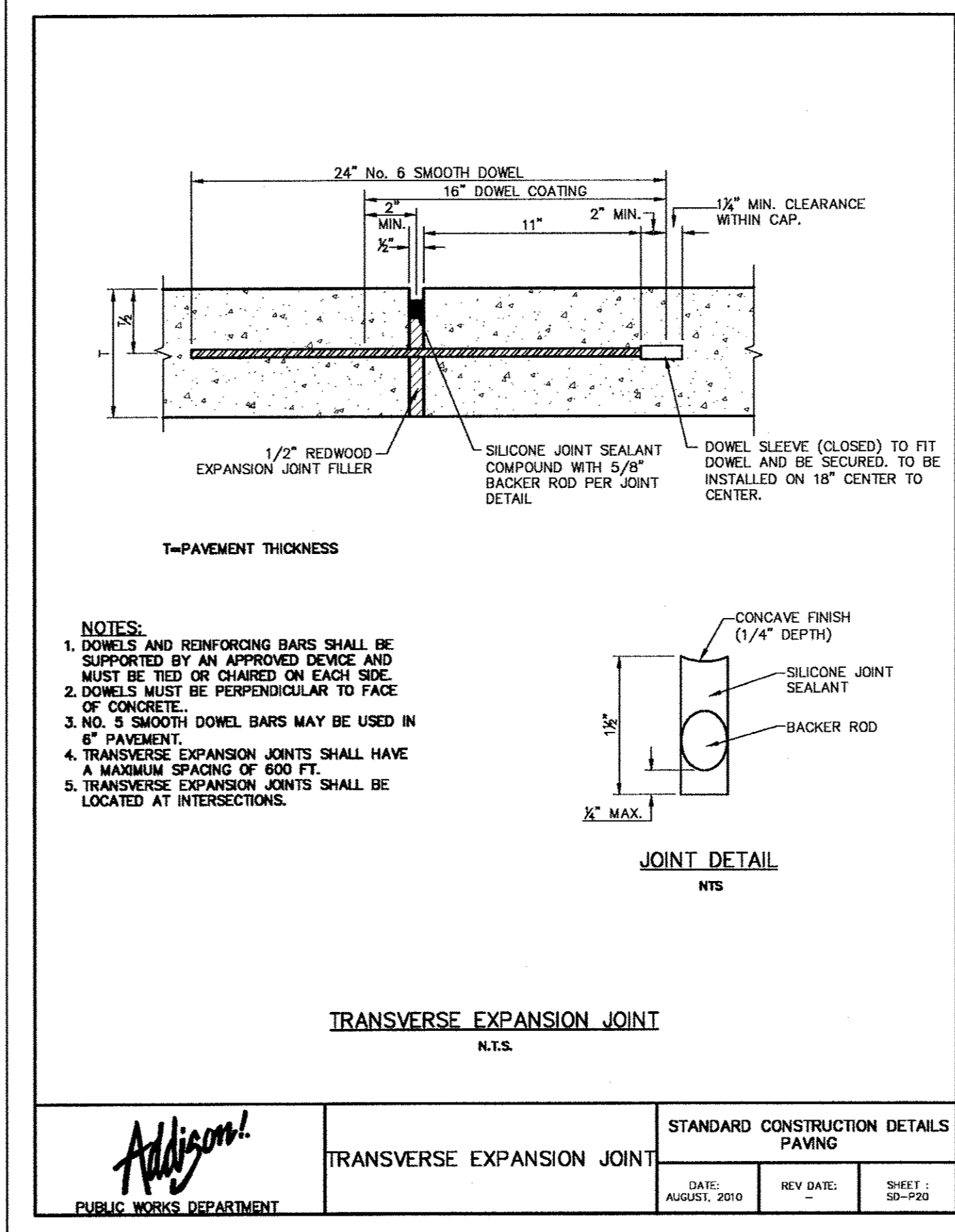


Addison!
PUBLIC WORKS DEPARTMENT

PAVEMENT REPAIR HEADER

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P16

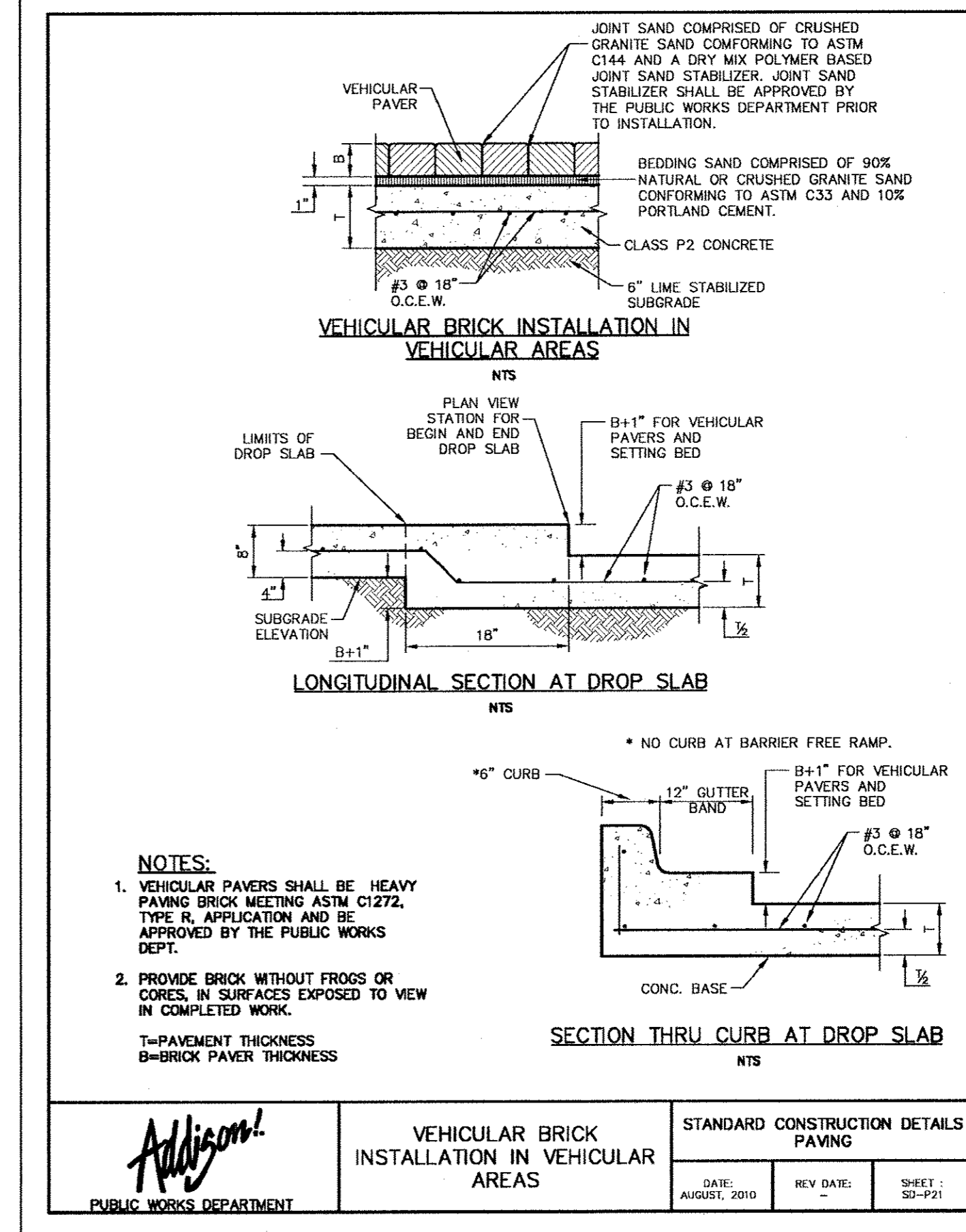


Addison!
PUBLIC WORKS DEPARTMENT

TRANSVERSE EXPANSION JOINT

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P20



Addison!
PUBLIC WORKS DEPARTMENT

**VEHICULAR BRICK
INSTALLATION IN
VEHICULAR
AREAS**

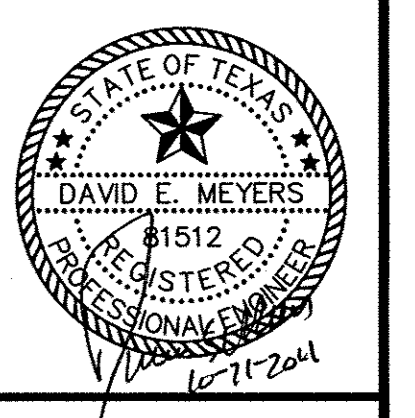
STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P21

**Kimley-Horn
and Associates, Inc.**

1700 West Central Expressway, Suite 800
Dallas, TX 75208-9818 972-770-8000
Fax: 972-770-8001

Revision: 1
Date: 8/26/11

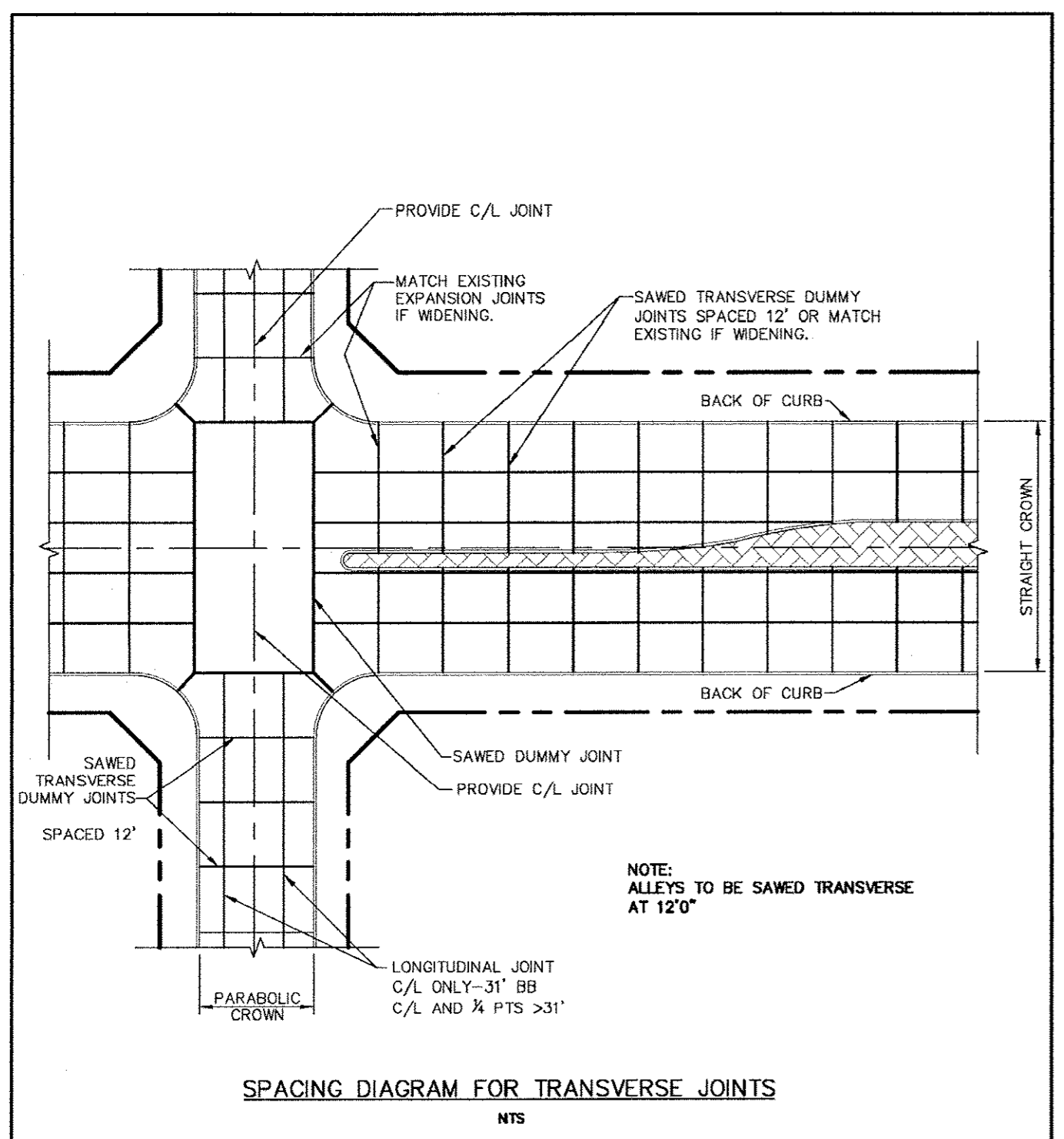


**Keller Springs Lofts
Loft Apartments in Addison**

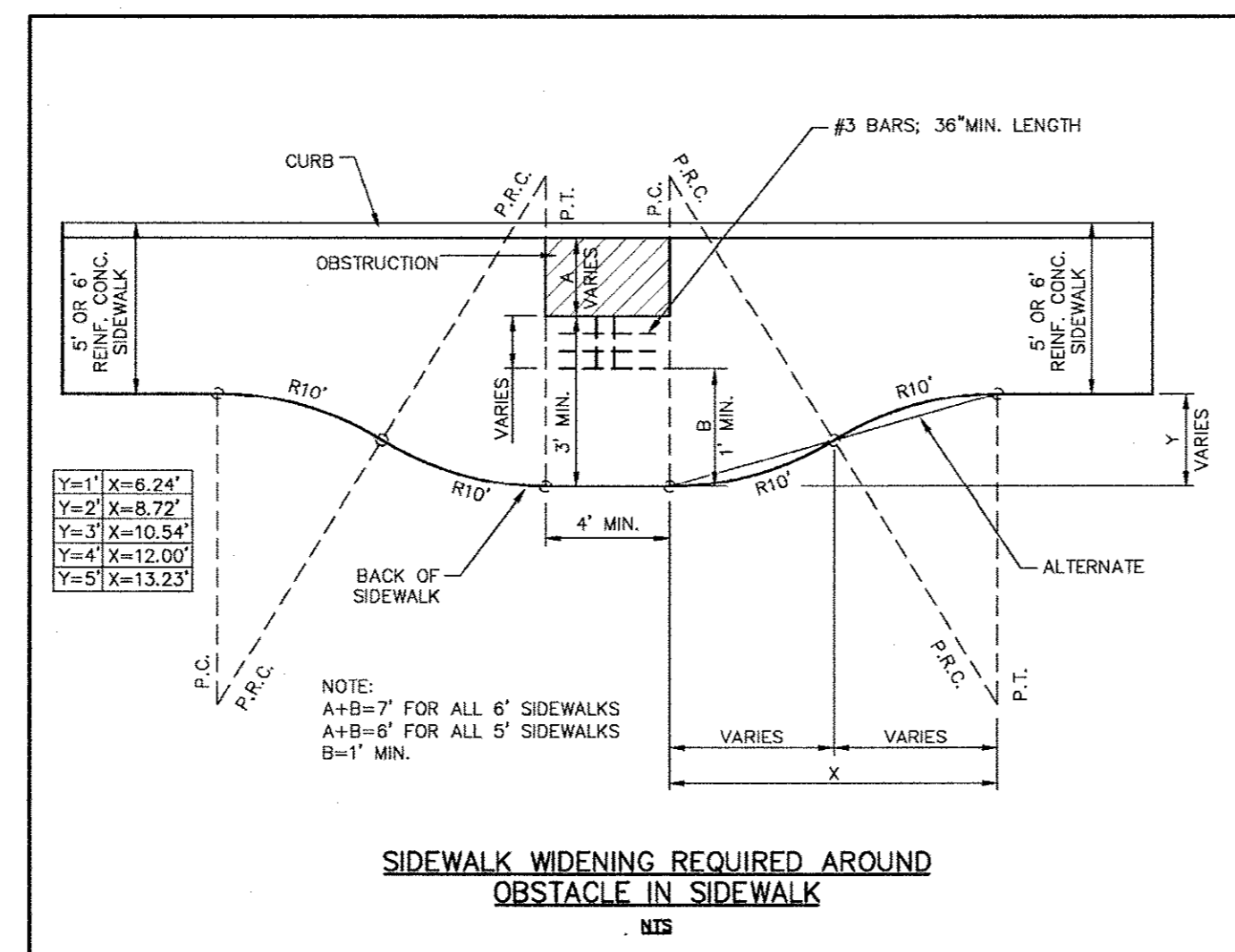
Town of Addison, Texas

PAVING DETAILS

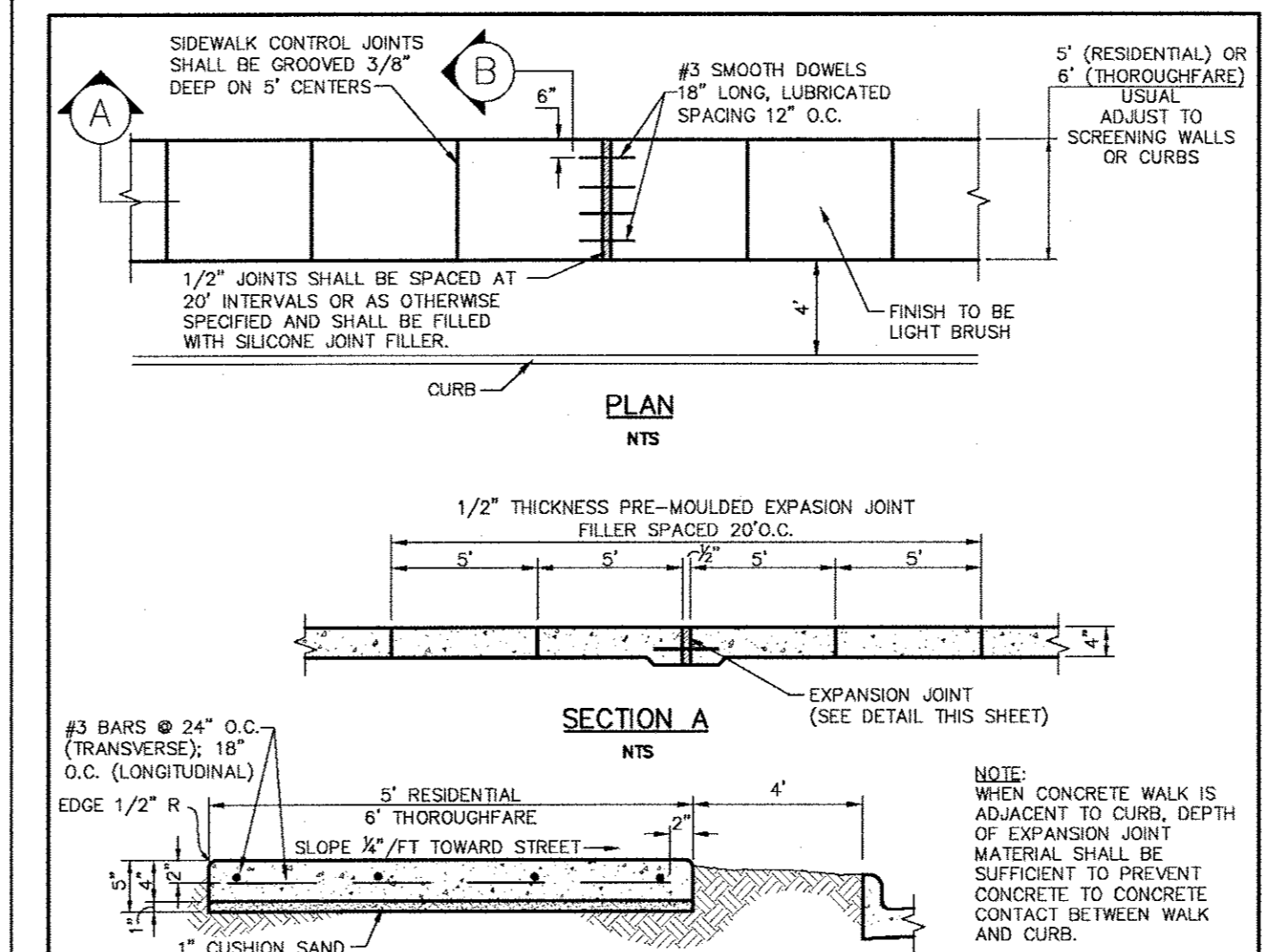
DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 064362003
CITY NO.:



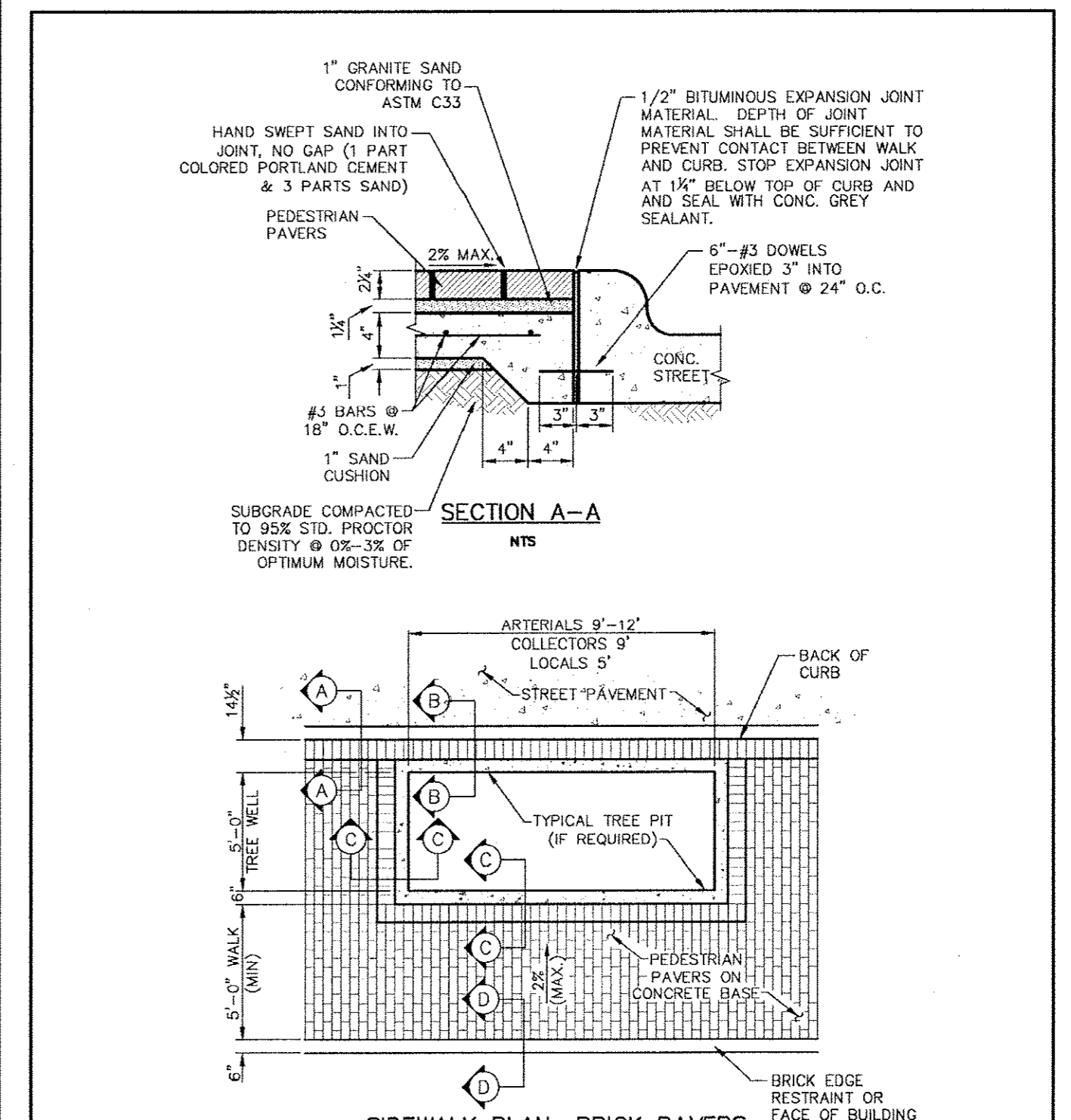
 PUBLIC WORKS DEPARTMENT	SPACING DIAGRAM FOR TRANSVERSE JOINTS	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P22



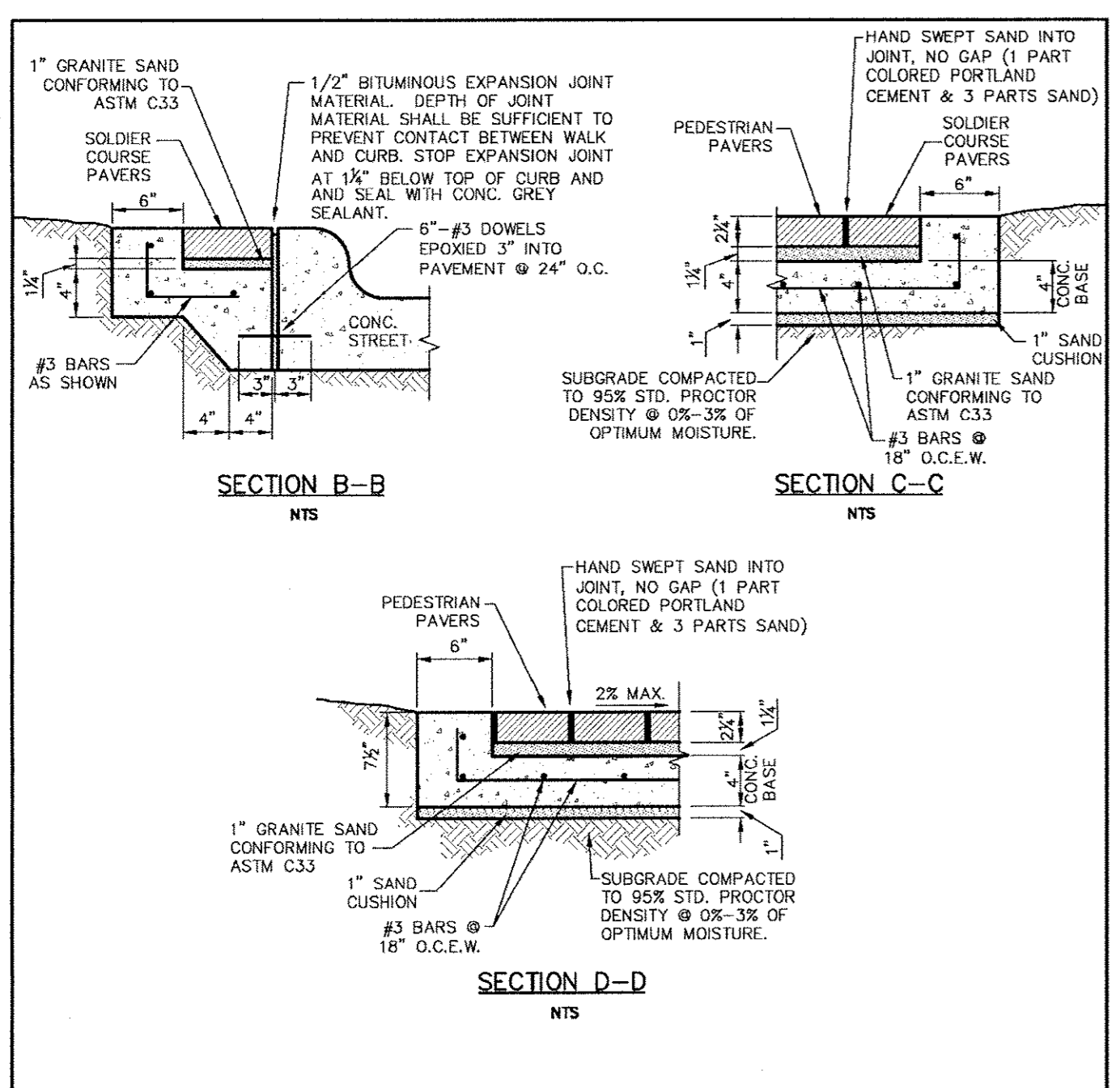
 PUBLIC WORKS DEPARTMENT	SIDEWALK WIDENING REQUIRED AROUND OBSTACLE IN SIDEWALK & JOINT DETAIL FOR SIDEWALKS ADJACENT TO CURB	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P23



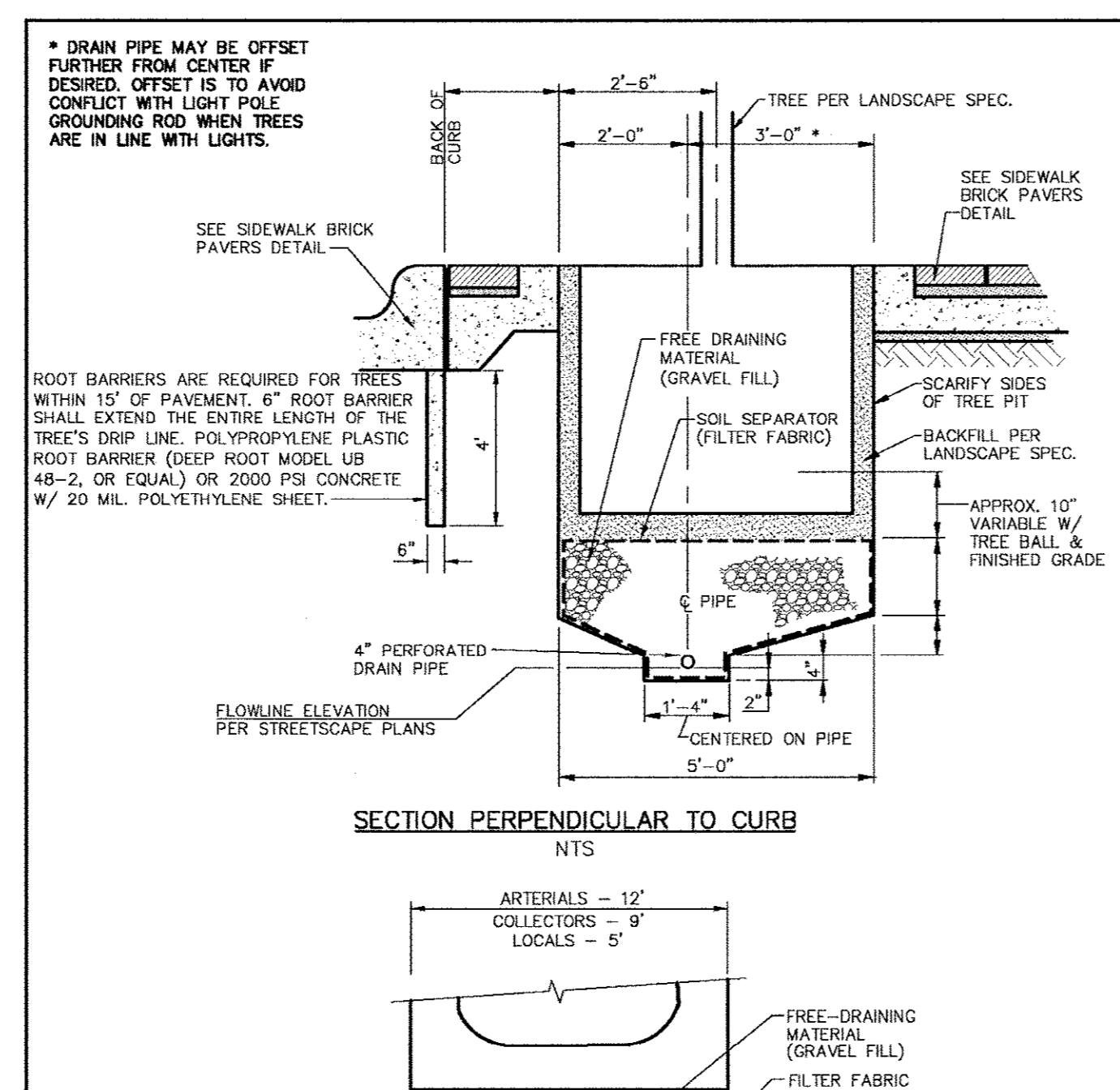
 PUBLIC WORKS DEPARTMENT	CONCRETE SIDEWALK	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P26



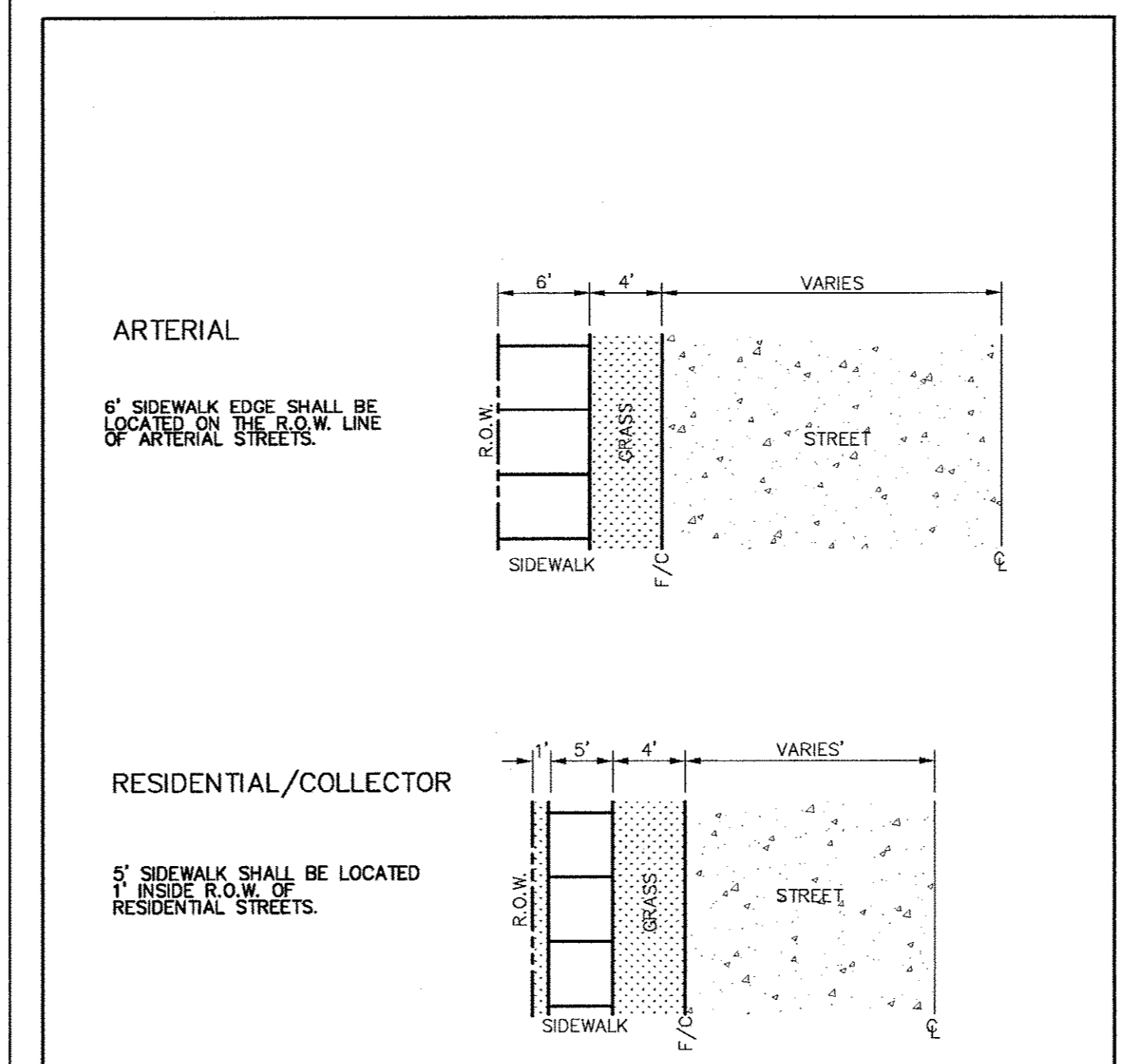
 PUBLIC WORKS DEPARTMENT	SIDEWALK BRICK PAVERS	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P28



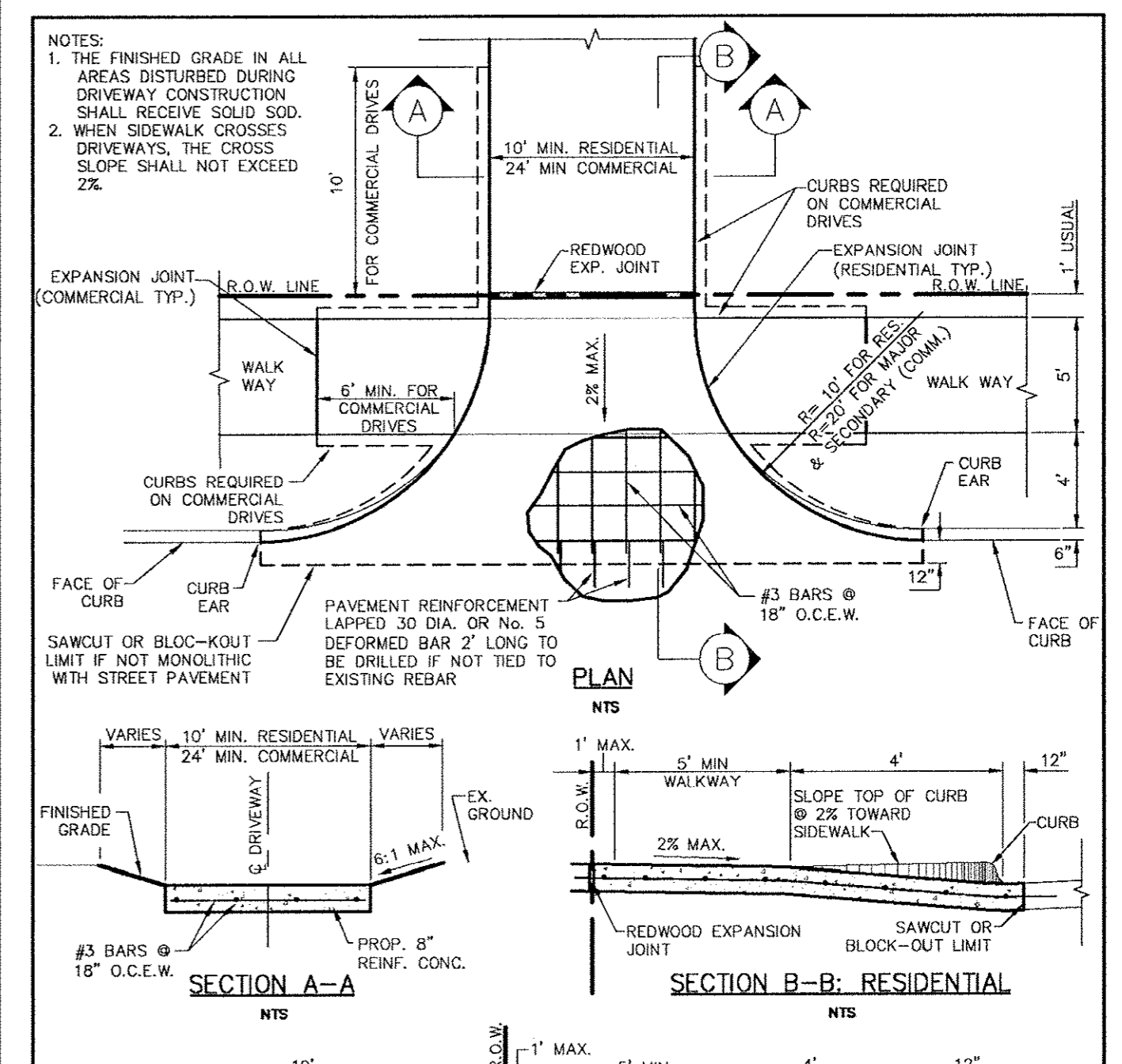
 PUBLIC WORKS DEPARTMENT	SIDEWALK BRICK PAVERS CONTINUED	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P29



 PUBLIC WORKS DEPARTMENT	SUBSURFACE DRAIN SYSTEM	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P30



 PUBLIC WORKS DEPARTMENT	CONCRETE SIDEWALK CONTINUED	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P27



 PUBLIC WORKS DEPARTMENT	DRIVEWAY RETURN DETAILS	STANDARD CONSTRUCTION DETAILS PAVING	
		DATE: AUGUST, 2010	SHEET: 30-P33

Kimley-Horn and Associates, Inc.
 1000 N. Loop West, Suite 200
 Houston, TX 77008
 Phone: 281-462-7000
 Fax: 281-462-7001
 Website: www.kimley-horn.com

DAVID E. MEYERS
 81512
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 License No. 81512

Keller Springs Lofts
Loft Apartments in Addison
 Town of Addison, Texas

PAVING DETAILS

DATE: OCTOBER 11, 2011	DESIGN: KHA	CITY NO.:
DRAWN: KHA	CHECKED: KHA	
	KHA NO.: 064362003	

GENERAL NOTES FOR PEDESTRIAN FACILITIES

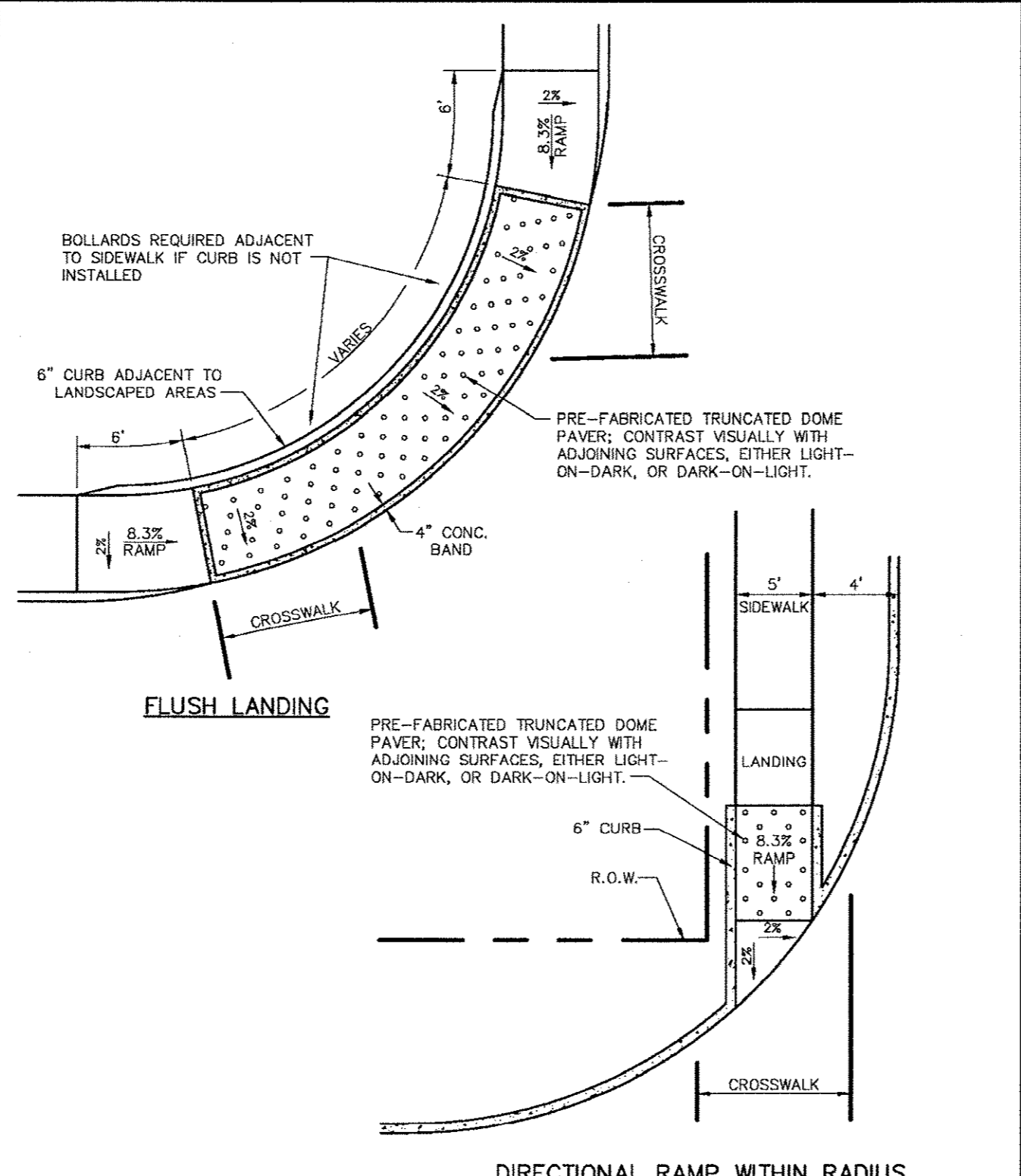
- ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
- LANDINGS SHALL BE 5'x5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMP SHALL BE A MINIMUM OF 4'x4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
- MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
- CURB RAMP WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. EITHER BECAUSE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR BECAUSE THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED. OTHERWISE, PROVIDE FLARED SIDES.
- ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND 16 TAC §661.02.
- CURB RAMP SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE TOWN ENGINEER.
- HANDRAILS ARE NOT REQUIRED ON CURB RAMP. PROVIDE CURB RAMP WHEREVER ON ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
- FLARE SLOPE SHALL NOT EXCEED 10% MEASURED ALONG CURB LINE.
- BARRIER FREE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS).
- ALL BARRIER FREE RAMPS MUST PASS AN INDEPENDENT INSPECTION. A LETTER OF COMPLIANCE ACCEPTANCE IS REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE TOWN OF ADDISON.
- STREETS ON STEEP GRADE WILL REQUIRE LONGER TRANSITION ON UPGRADE SIDE.
- MAXIMUM SLOPE ON RAMP PORTION SHALL NOT EXCEED 1" PER FOOT AT ANY LOCATION. VERTICAL DISTANCE BETWEEN STREET AND RAMP SHALL NOT EXCEED 4".

GENERAL NOTES FOR DETECTABLE WARNINGS

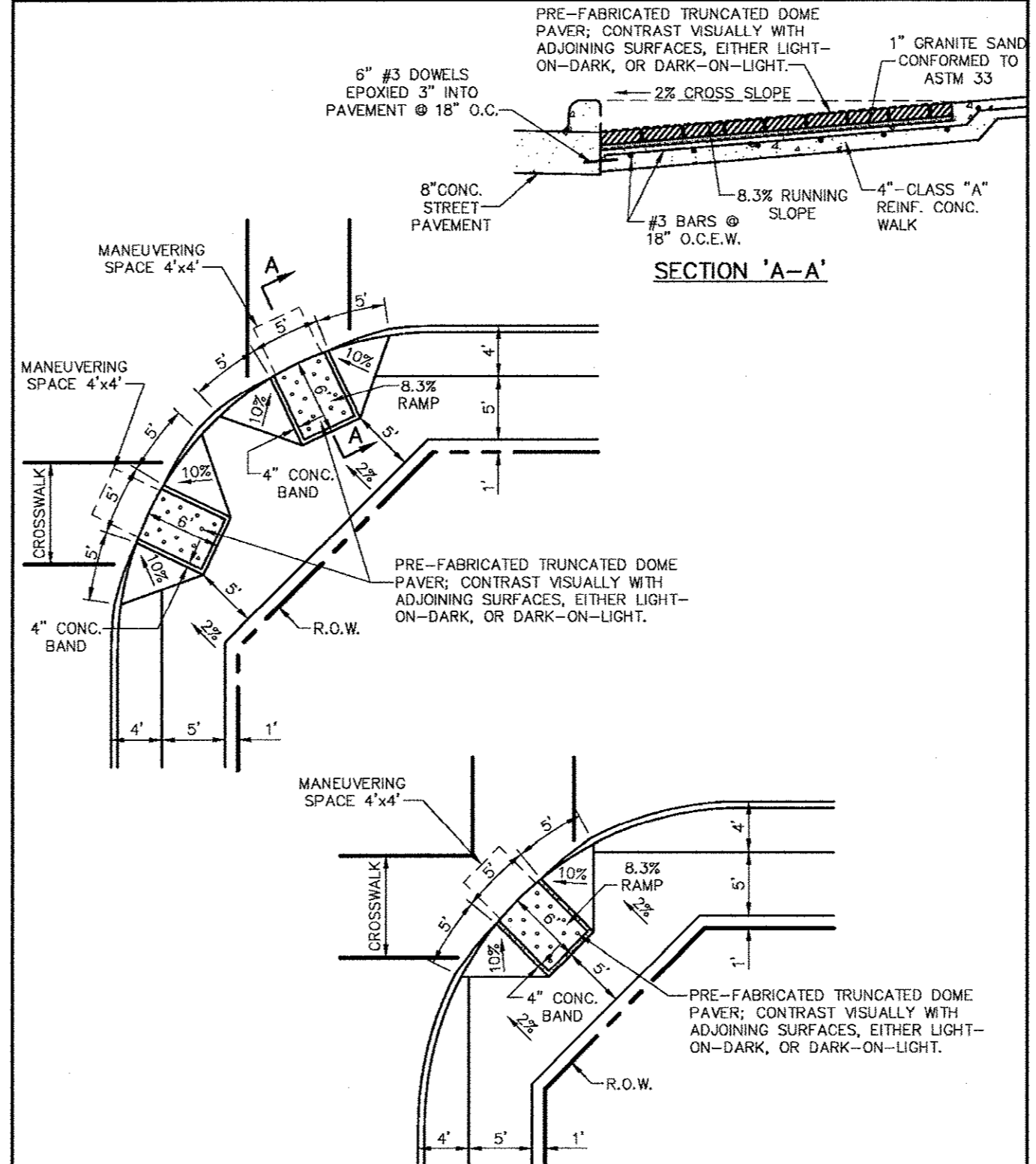
- CURB RAMP MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSIST OF RAISED TRUNCATED DOME PAVING UNITS COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH THE ADJOINING SURFACES, INCLUDING SIDE FLARES. FURNISH DARK RED COLORED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE AND CREAM COLORED DETECTABLE WARNING SURFACE ADJACENT TO DARK RED COLORED BRICK PAVERS.
- DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
- ALIGN TRUNCATED DOME IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
- DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
- DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS A MINIMUM OF 6" AND A MAXIMUM OF 8" FROM THE EXTENSION OF THE FACE OF CURB AND SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNING SURFACES MAY BE CURBED ALONG THE CORNER RADIUS.

GENERAL NOTES FOR DETECTABLE WARNING PAVER UNITS

- DETECTABLE WARNING PAVER UNITS SHALL MEET OR EXCEED ALL REQUIREMENTS OF ASTM C-936, C-933, AND BE Laid BY A TWO BY TWO UNIT BASKET WEAVE PATTERN OR AS DIRECTED.
- LAY FULL-SIZE UNITS FIRST FOLLOWED BY CLOSURE UNITS CONSISTING OF AT LEAST 25 PERCENT OF A FULL UNIT. CUT DETECTABLE WARNING PAVER UNITS USING A POWER SAW.



DIRECTIONAL RAMP WITHIN RADIUS



SECTION 'A-A'

MANEUVERING SPACE 4'x4'

8.3% RAMP

4\"/>

R.O.W.

PRE-FABRICATED TRUNCATED DOME PAVER; CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

4\"/>

MANEUVERING SPACE 4'x4'

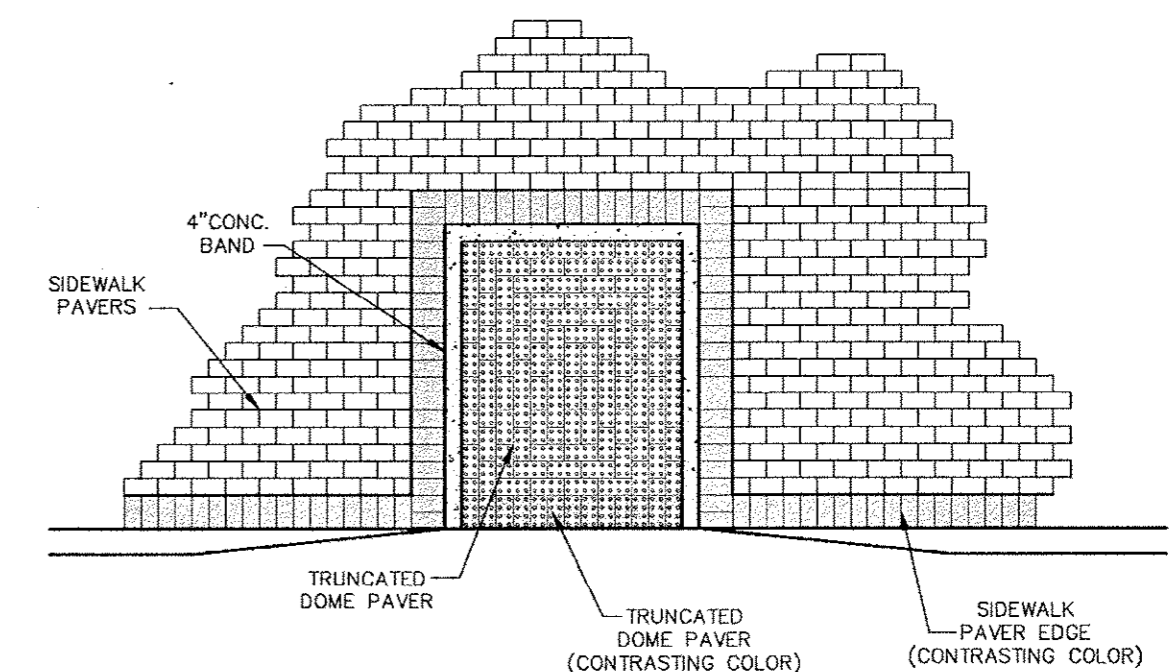
8.3% RAMP

4\"/>

R.O.W.

PRE-FABRICATED TRUNCATED DOME PAVER; CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

4\"/>



NOTE:
ALL PAVER COLORS TO BE APPROVED BY TOWN OF ADDISON.

TYPICAL PATTERN FOR PAVER SIDEWALK AND CURB RAMP

STANDARD CONSTRUCTION DETAILS PAVING

Addison!
PUBLIC WORKS DEPARTMENT

PEDESTRIAN FACILITIES
GENERAL NOTES

STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 REV DATE: SHEET: 30-197

Addison!
PUBLIC WORKS DEPARTMENT

PEDESTRIAN RAMPS

STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 REV DATE: SHEET: 30-198

Addison!
PUBLIC WORKS DEPARTMENT

BARrier FREE RAMP (RESIDENTIAL)

STANDARD CONSTRUCTION DETAILS PAVING

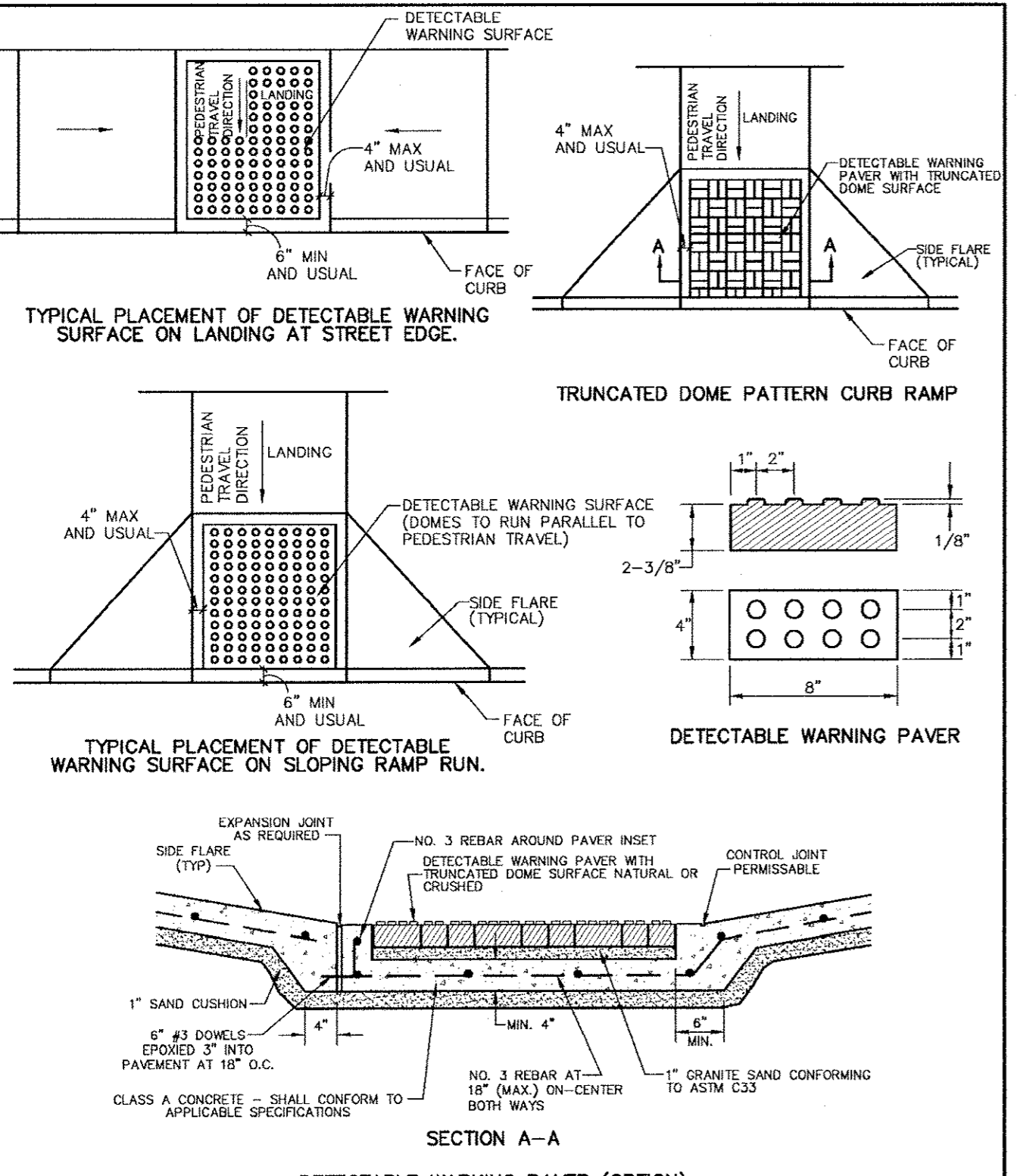
DATE: AUGUST, 2010 REV DATE: SHEET: 30-199

Addison!
PUBLIC WORKS DEPARTMENT

TYPICAL PATTERN FOR PAVER SIDEWALK AND CURB RAMP

STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 REV DATE: SHEET: 30-196



SECTION A-A

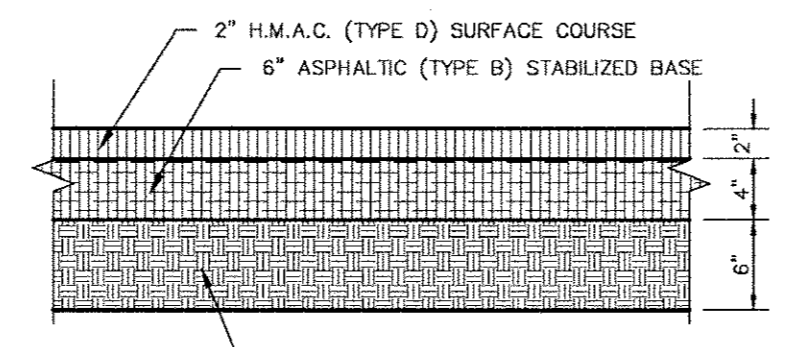
DETECTABLE WARNING PAVER (OPTION)

Addison!
PUBLIC WORKS DEPARTMENT

DETECTABLE WARNING PAVER

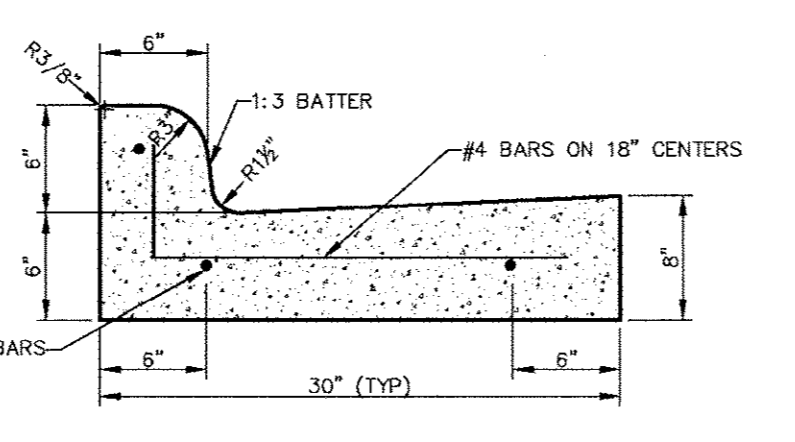
STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 REV DATE: SHEET: 30-194



ASPHALT PAVING CROSS SECTION

NOTE:
CUT OF 6" INTO EXISTING PAVEMENT IS REQUIRED FOR CONSTRUCTION JOINT WITH NEW POURS TO GET A SMOOTH FINISH.



CURB AND GUTTER & ASPHALT PAVING CROSS SECTION

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PUBLIC WORKS DEPARTMENT

CURB AND GUTTER & ASPHALT PAVING CROSS SECTION

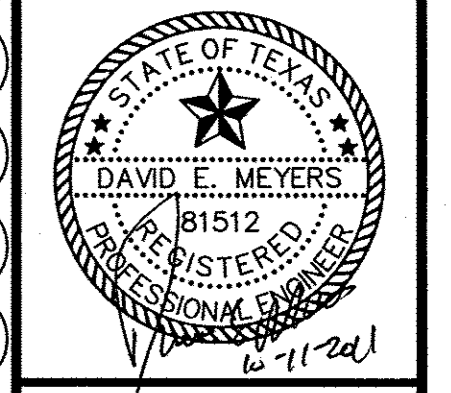
STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 REV DATE: SHEET: 30-195

Kimley-Horn and Associates, Inc.
1000 WEST 11TH AVE., SUITE 200
DALLAS, TX 75208-8888
TEL: 972-770-8800
FAX: 972-770-8800

Revision: 1
Date: 8/26/11

REVISION TOWN DETAILS



Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

PAVING DETAILS

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 064-362003
CITY NO.:

SHEET
C12b

STORM SEWER — GENERAL NOTES:

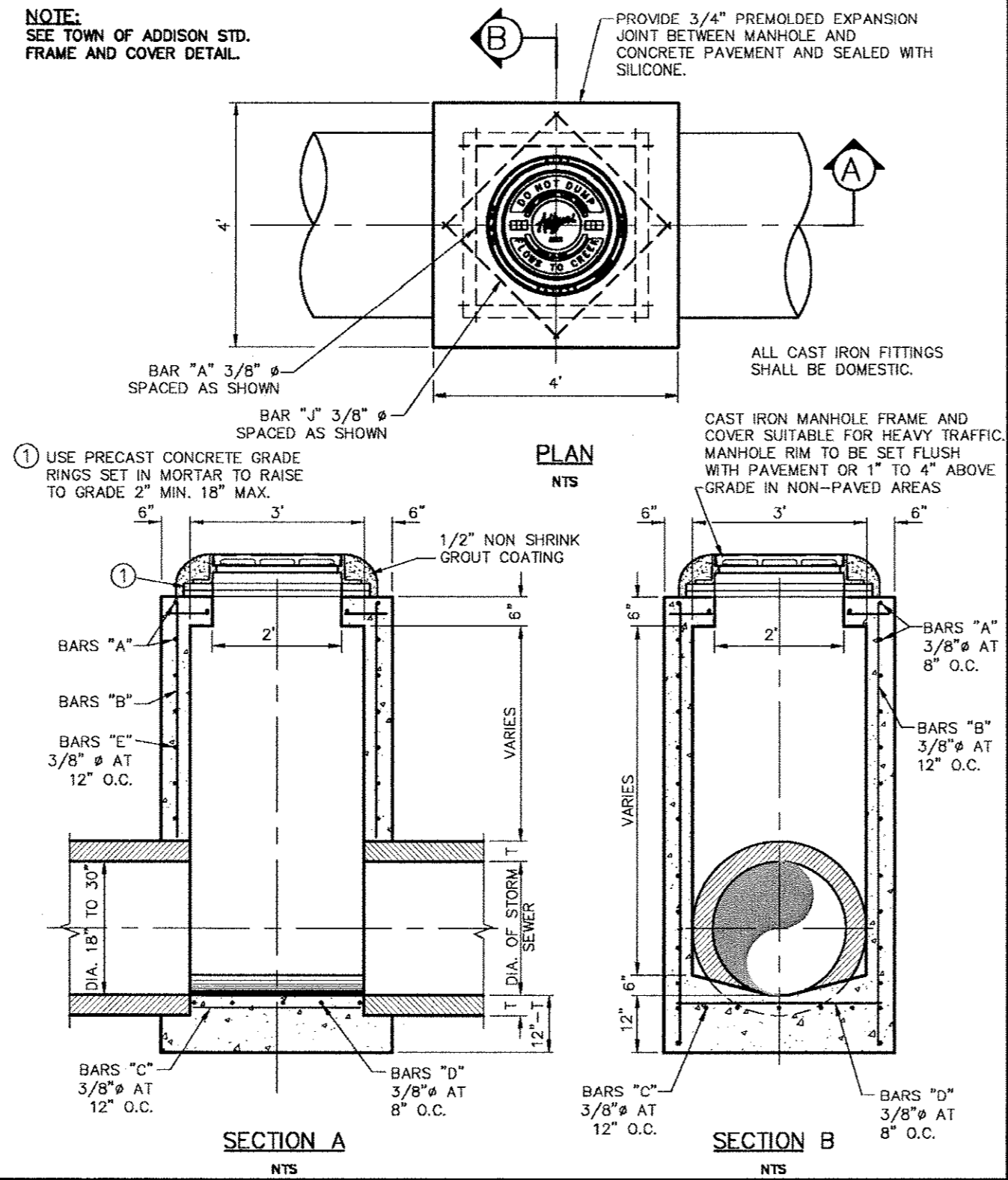
1. ALL CONCRETE DRAINAGE STRUCTURES SHALL BE CLASS C CONCRETE MINIMUM.
2. ALL CRUSHED STONE SHALL BE 3/4", PASSING #4 SIEVE (GRADE 4).
3. ALL FIELD JOINTS WILL BE APPROVED BY THE TOWN ENGINEER IF NECESSARY. FIELD JOINTS SHALL BE WIPED ON THE INSIDE AND OUTSIDE TO PROVIDE FOR SMOOTH FLOW OF WATER.
4. RAMNECK COMPOUND OR APPROVED EQUAL SHALL BE USED FOR JOINT SEALS.
5. ALL STORM SEWER PIPE SHALL BE CAMERA INSPECTED AFTER THE INSTALLATION OF ALL PAVING AND UTILITIES AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

Addison!
PUBLIC WORKS DEPARTMENT

STORM SEWER
GENERAL NOTES

STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-001

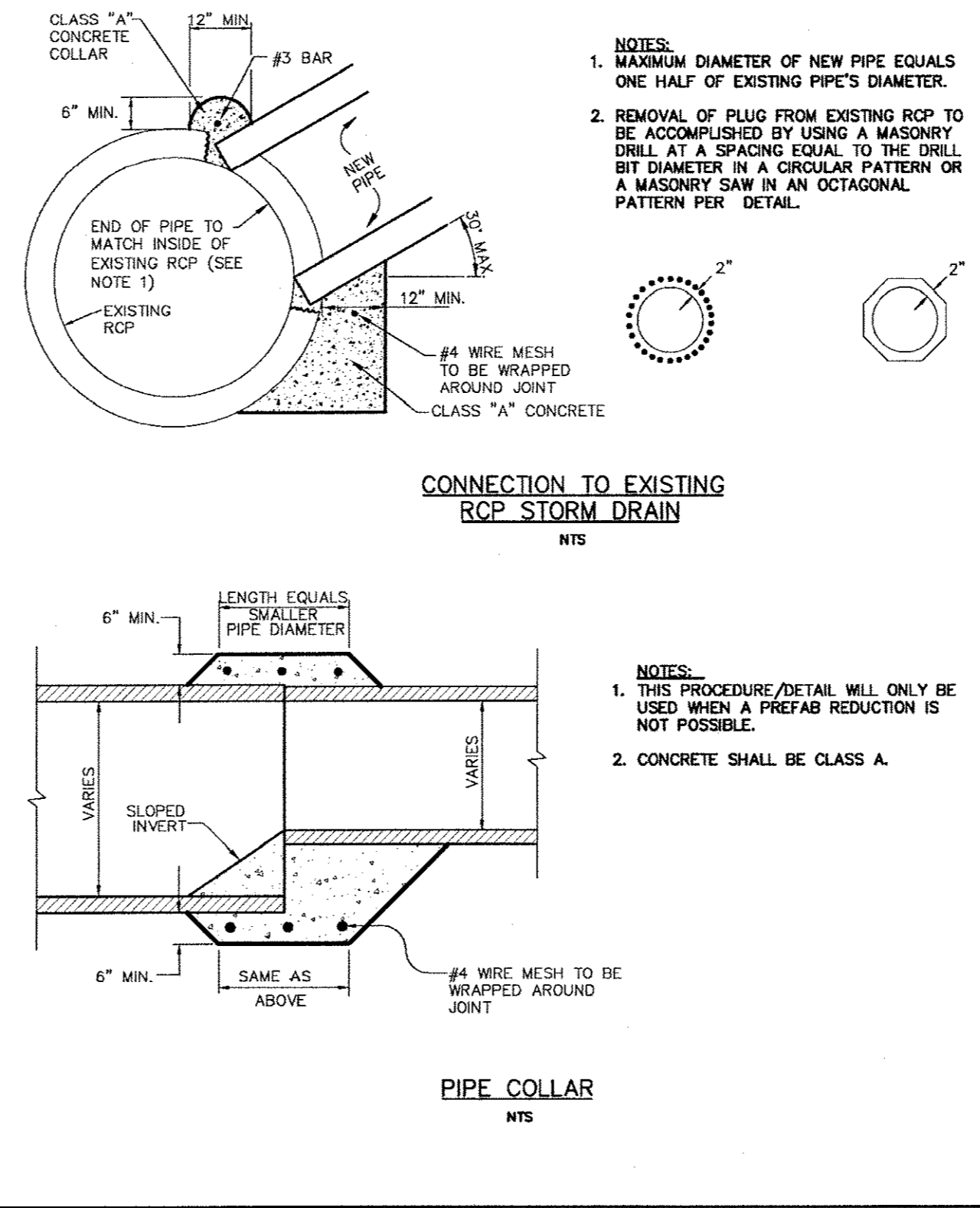
NOTE:
SEE TOWN OF ADDISON STD.
FRAME AND COVER DETAIL.



Addison!
PUBLIC WORKS DEPARTMENT

TYPE "A" STORM SEWER
MANHOLE
(FOR 18" TO 30" RCP)

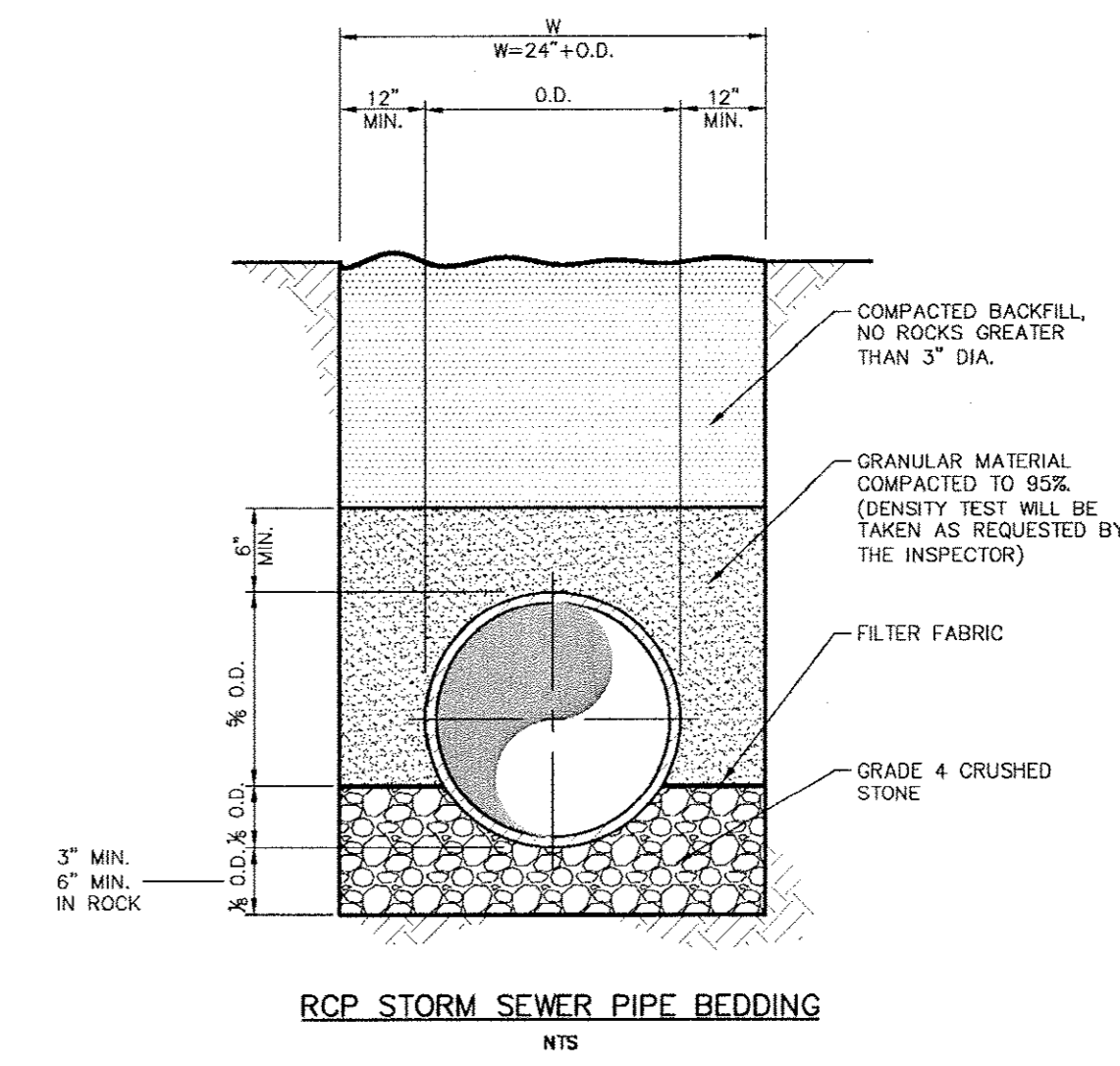
STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-005



Addison!
PUBLIC WORKS DEPARTMENT

CONNECTION TO EXISTING
RCP STORM DRAIN
PIPE COLLAR

STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-005

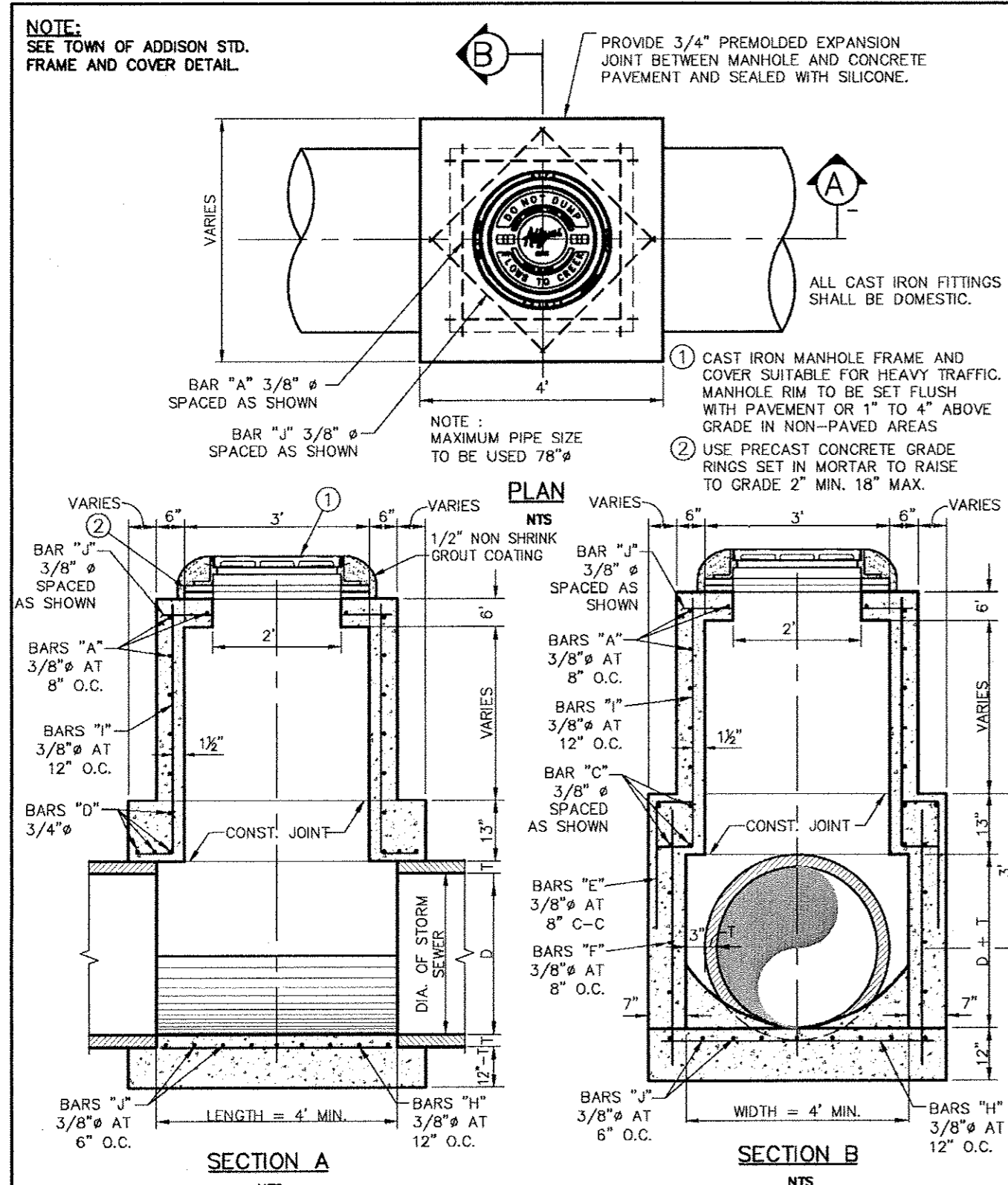


NOTE:
1. THE DEPTH OF TRENCH BELOW THE PROPOSED CONDUIT SHALL BE AS FOLLOWS:
- 3" MIN. FOR 27" PIPE & SMALLER.
- 4" MIN. FOR 30" TO 60" PIPE.
- 6" MIN. FOR 66" PIPE OR LARGER.

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PUBLIC WORKS DEPARTMENT

RCP STORM SEWER
PIPE BEDDING

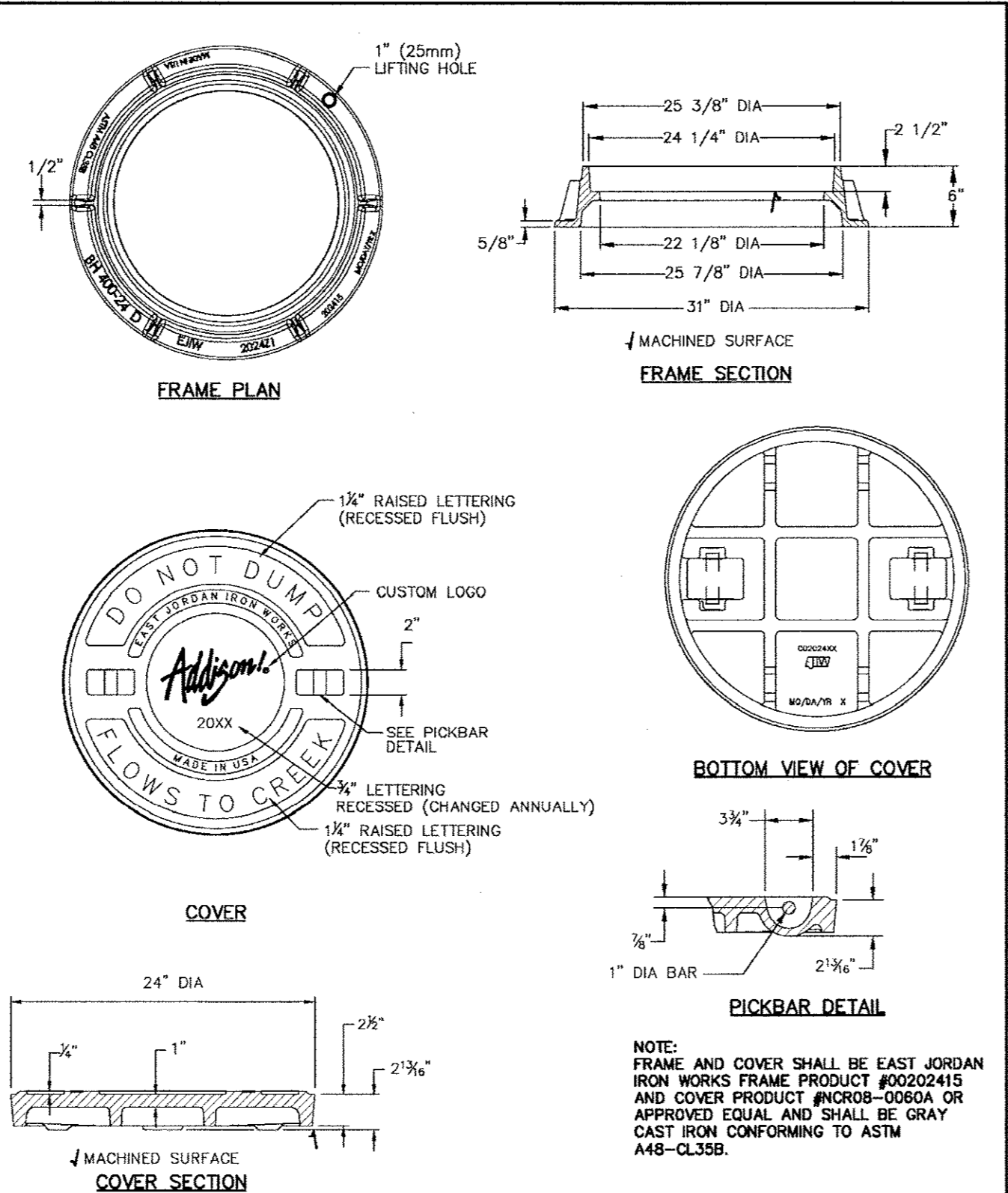
STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-003



Addison!
PUBLIC WORKS DEPARTMENT

TYPE "B" STORM SEWER
MANHOLE
(FOR 33" TO 78" RCP)

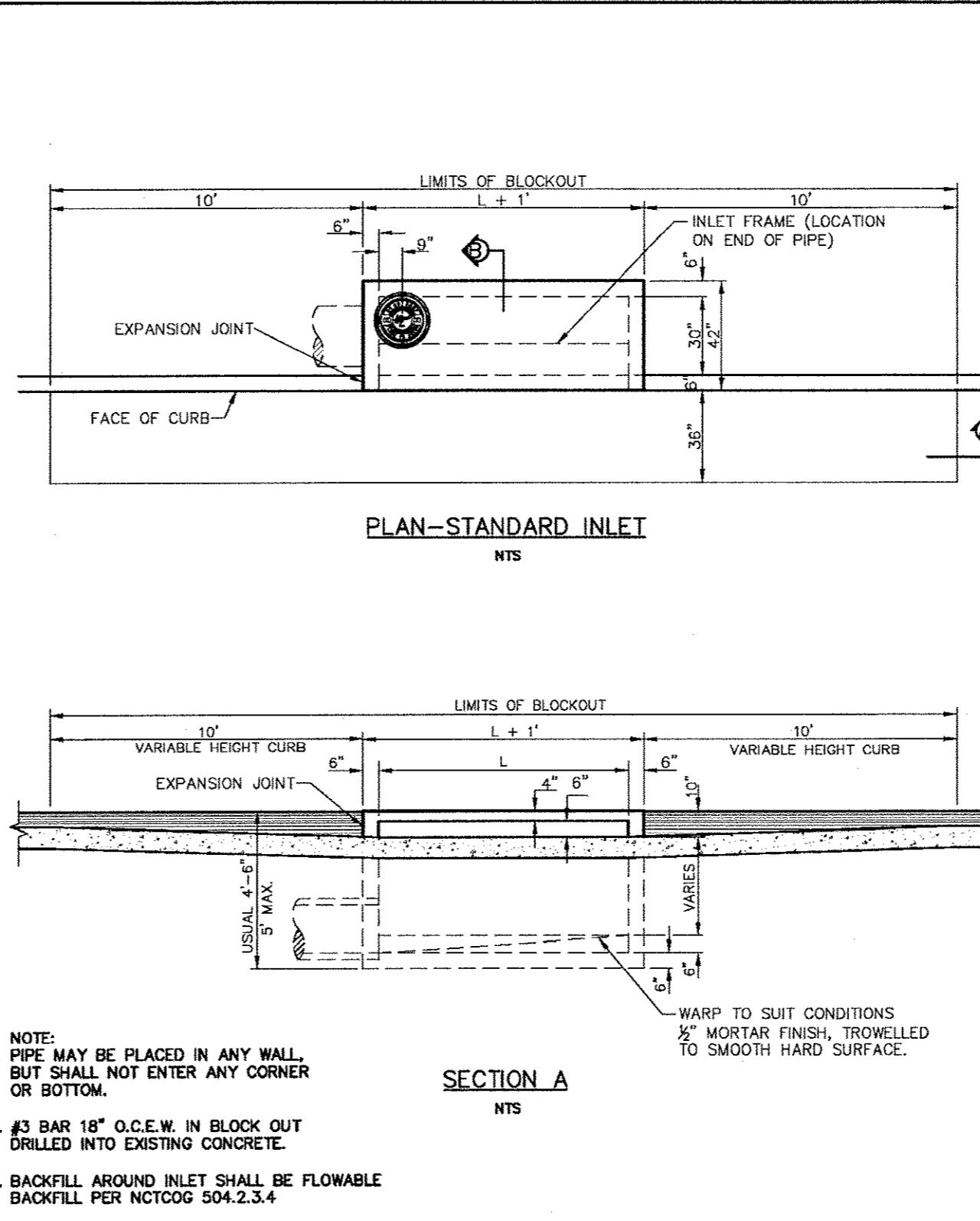
STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-007



Addison!
PUBLIC WORKS DEPARTMENT

STORM MANHOLE
FRAME & COVER

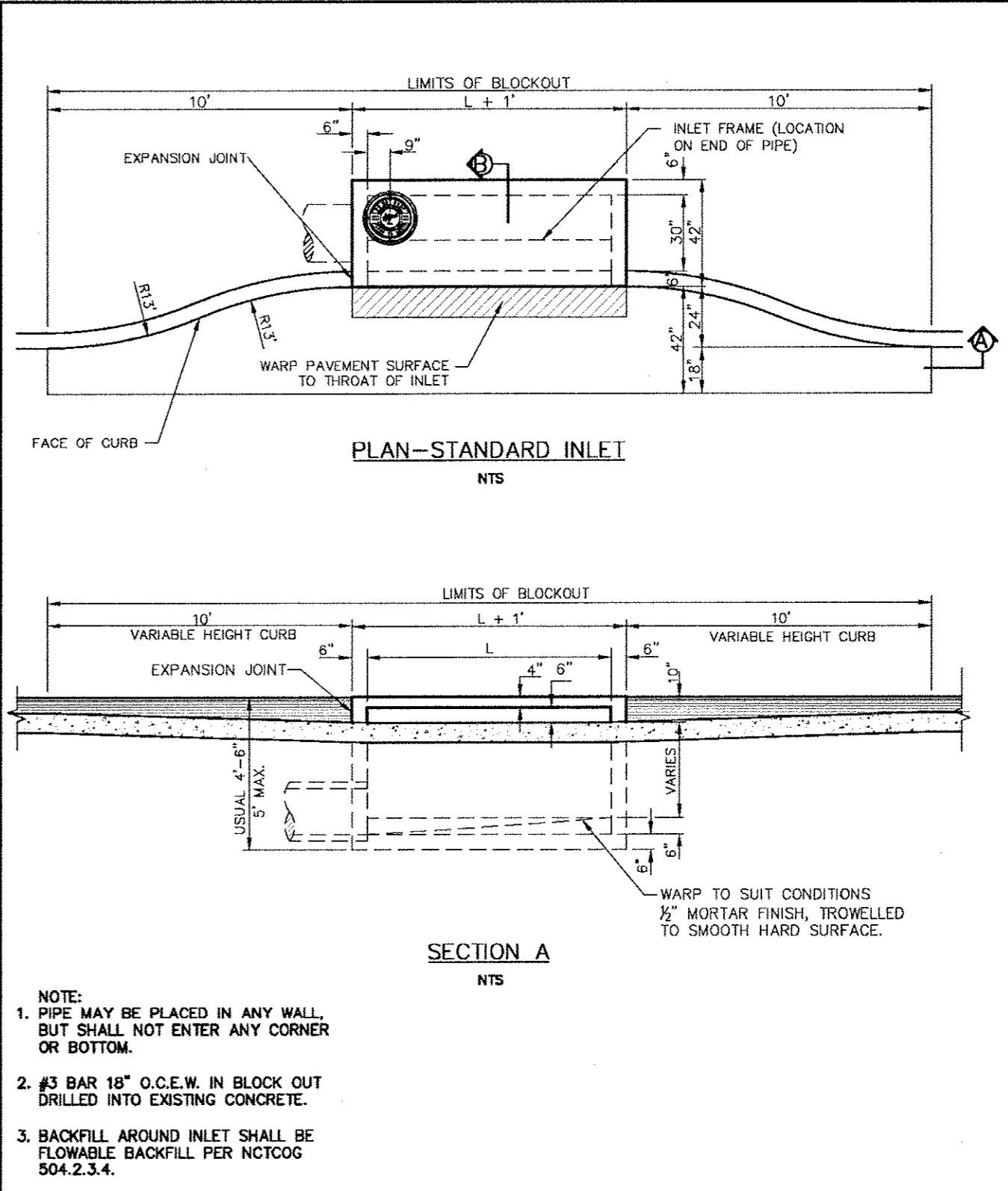
STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-008



Addison!
PUBLIC WORKS DEPARTMENT

STANDARD CURB INLET

STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-010



Addison!
PUBLIC WORKS DEPARTMENT

RECESSED CURB INLET

STANDARD CONSTRUCTION DETAILS STORM DRAINAGE		
DATE:	REV DATE:	SHEET:
AUGUST, 2010	-	SD-011

Kimley-Horn
and Associates, Inc.
1500 North Loop East, Suite 800
Dallas, TX 75246-8888
Phone: 972-770-8000
Fax: 972-770-8888

STATE OF TEXAS
DAVID E. MEYERS
REGISTERED PROFESSIONAL ENGINEER
No. 81512
12/11/2011

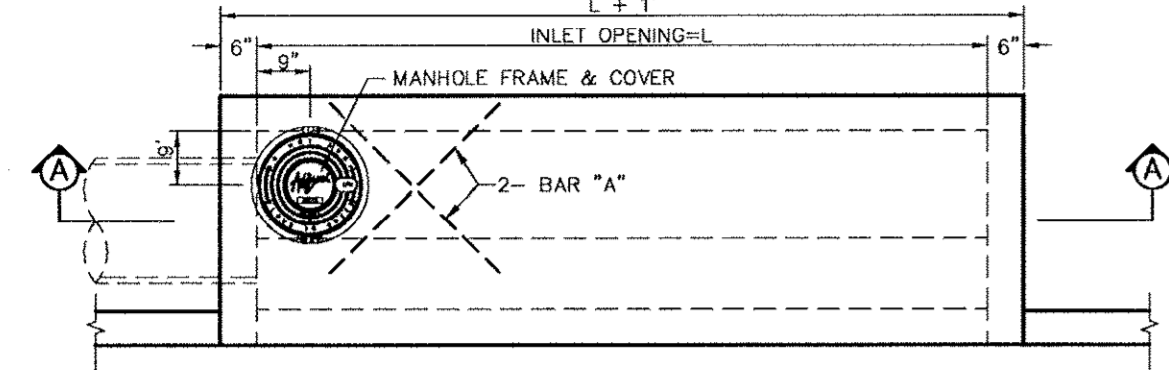
Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

STORM WATER DETAILS

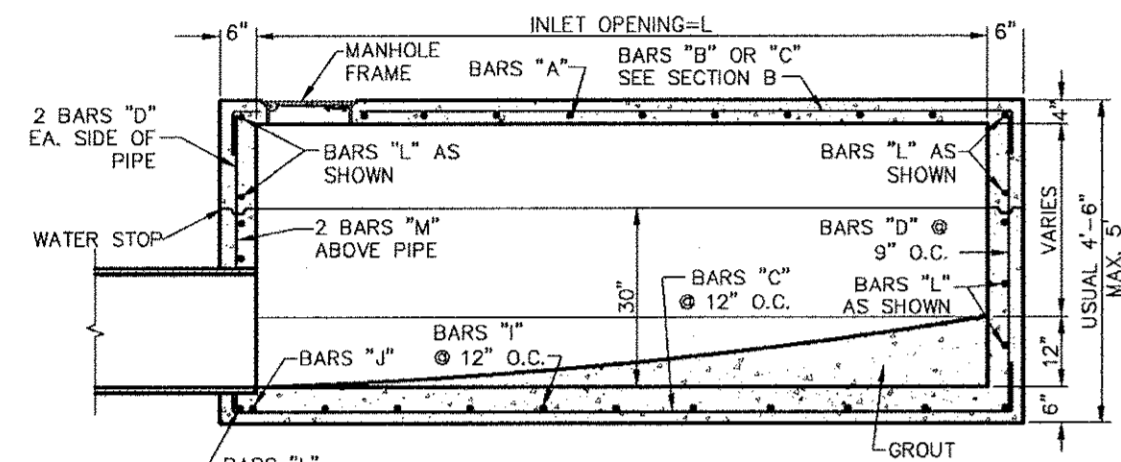
DATE:	DESIGN:	DRAWN:	CHECKED:	KHA NO.:	CITY NO.:
OCTOBER 11, 2011	KHA	KHA	KHA	064-362003	

SHEET

NOTE: REINFORCEMENT SHOWN IS ADDITIONAL FOR SPECIAL CONDITION, FOR REMAINDER OF REINFORCEMENT SEE SECTIONS.



PLAN-STANDARD INLET
NTS



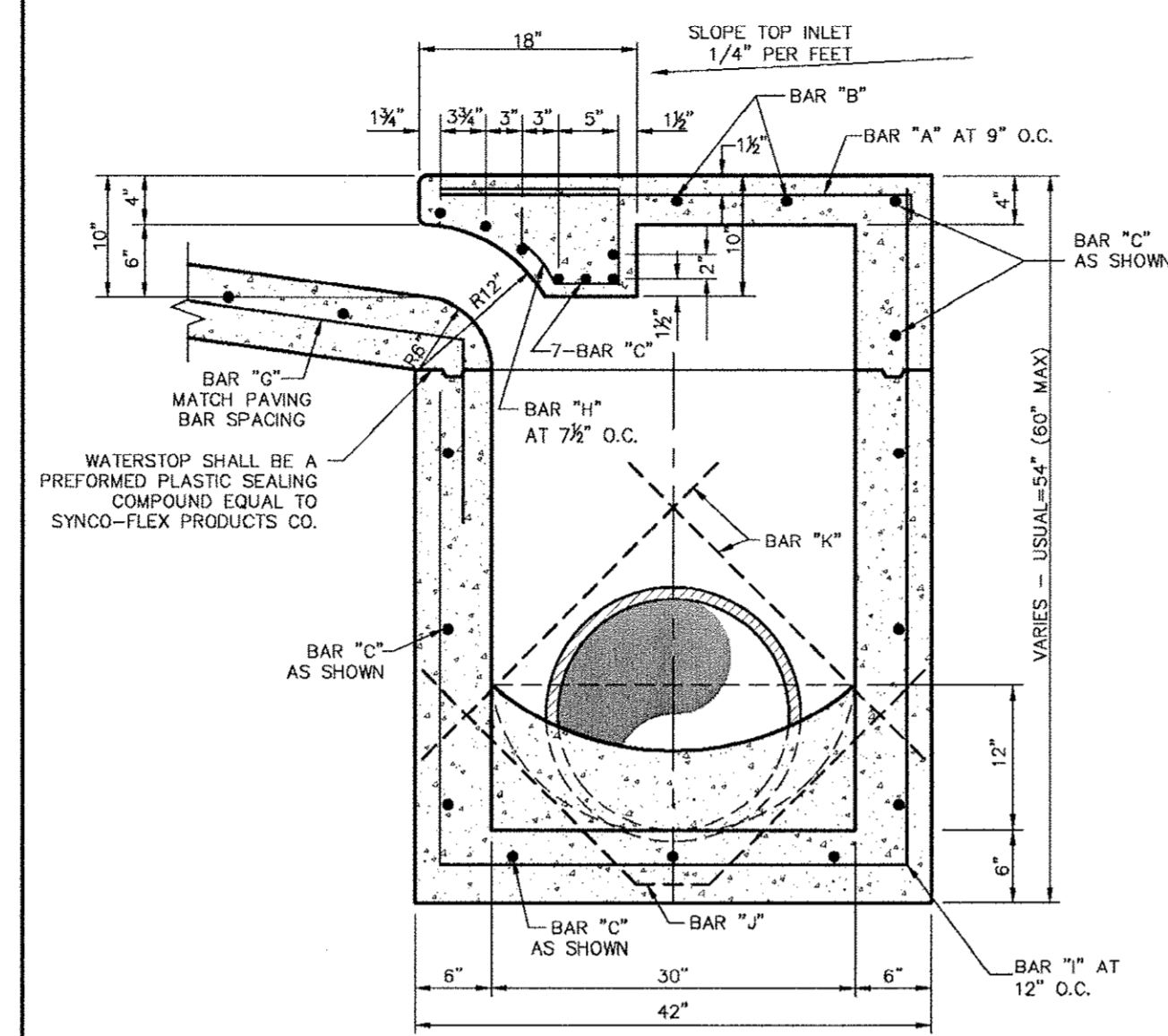
SECTION A
NTS

Addison!
PUBLIC WORKS DEPARTMENT

STANDARD CURB INLET 4, 6, 8 & 10 FOOT INLETS

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-012



SECTION "B"
NTS

Addison!
PUBLIC WORKS DEPARTMENT

TYPICAL SECTION "B" STANDARD & RECESSED CURB INLETS (4, 6, 8 & 10 FOOT INLETS)

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-013

REINFORCING STEEL SCHEDULE DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLET

INLET LENGTH	BAR TYPE	BAR DIA (1/8")	NO REQ'D	BAR DIMENSIONS		
				A	B	C
4'	A	3	6	3'-2"	0'-3"	-
	B	3	2	2'-10"	0'-6"	-
	C	4	18	4'-8"	0'-5"	-
	D	4	9	4'-8"	-	-
	G	3	4	2'-0"	1'-3"	-
	H	3	7	-	-	-
	I	4	3	3'-2"	3'-2"	4'-8"
	J	5	1	-	-	-
	K	5	2	3'-2"	0'-6"	-
	L	4	11	3'-2"	0'-6"	-
	M	4	2	3'-0"	-	-
6'	A	3	9	3'-2"	0'-3"	-
	B	3	2	4'-10"	-	-
	C	4	18	8'-6"	0'-6"	-
	D	4	9	4'-8"	-	-
	G	3	6	2'-0"	1'-3"	-
	H	3	11	-	-	-
	I	4	5	3'-2"	3'-2"	4'-8"
	J	5	1	-	-	-
	K	5	2	3'-2"	0'-6"	-
	L	4	11	3'-2"	0'-6"	-
	M	4	2	3'-0"	-	-
8'	A	3	12	3'-2"	0'-3"	-
	B	3	2	6'-10"	-	-
	C	4	18	10'-8"	0'-6"	-
	D	4	9	4'-8"	-	-
	G	3	7	2'-0"	1'-3"	-
	H	3	14	-	-	-
	I	4	7	3'-2"	3'-2"	4'-8"
	J	5	1	-	-	-
	K	5	2	3'-2"	0'-6"	-
	L	4	11	3'-2"	0'-6"	-
	M	4	2	3'-0"	-	-
10'	A	3	15	3'-2"	0'-3"	-
	B	3	2	8'-10"	-	-
	C	4	18	10'-8"	0'-6"	-
	D	4	9	4'-8"	-	-
	G	3	9	2'-0"	1'-3"	-
	H	3	17	-	-	-
	I	4	9	3'-2"	3'-2"	4'-8"
	J	5	1	-	-	-
	K	5	2	3'-2"	0'-6"	-
	L	4	11	3'-2"	0'-6"	-
	M	4	2	3'-0"	-	-

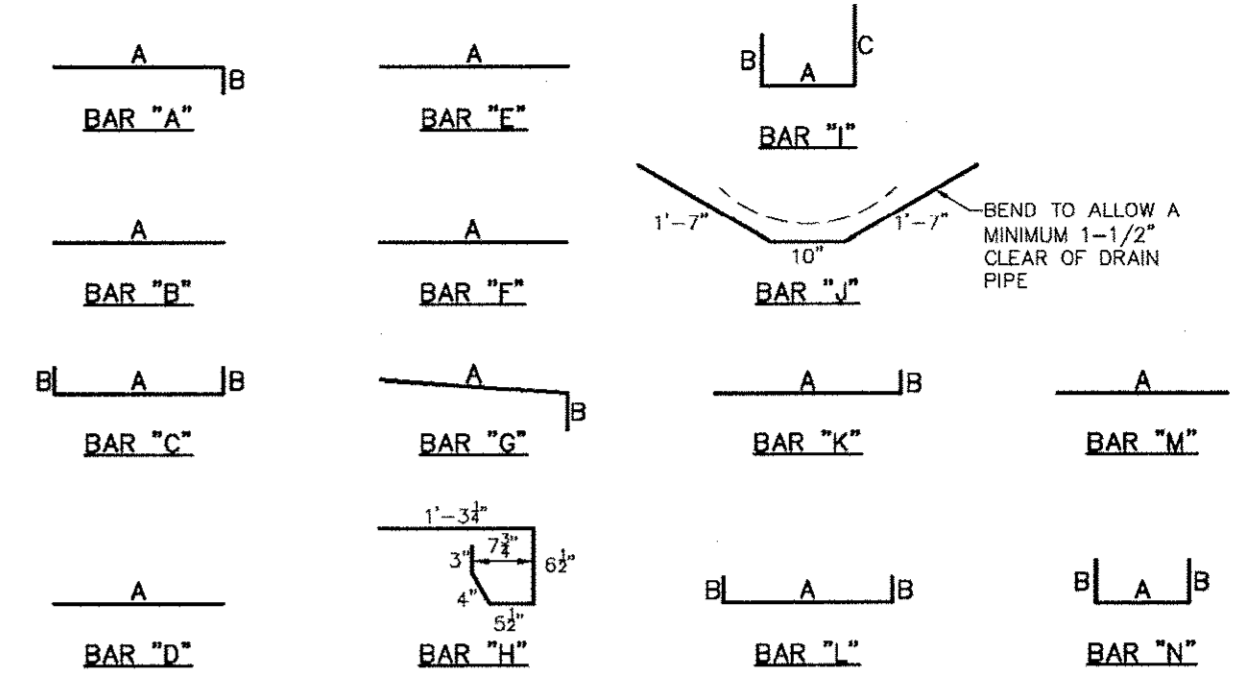
* SEE DIAGRAM FOR DIMENSIONS
** FIELD CUT AS REQUIRED TO ACCOMMODATE DRAIN PIPE

Addison!
PUBLIC WORKS DEPARTMENT

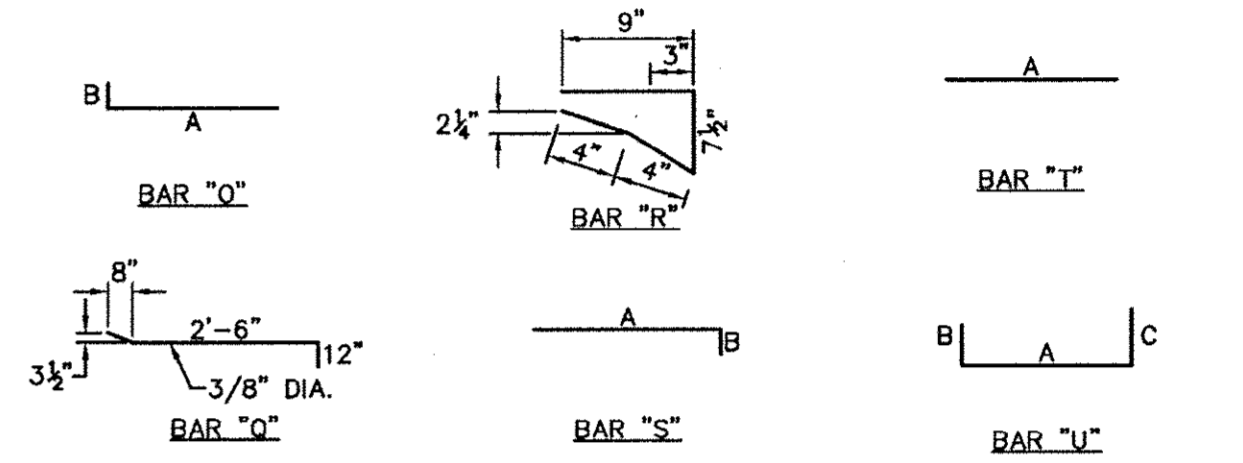
REINFORCING STEEL SCHEDULE 4, 6, 8 & 10 FOOT INLETS

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-014



REINFORCING BAR DIAGRAMS
NTS



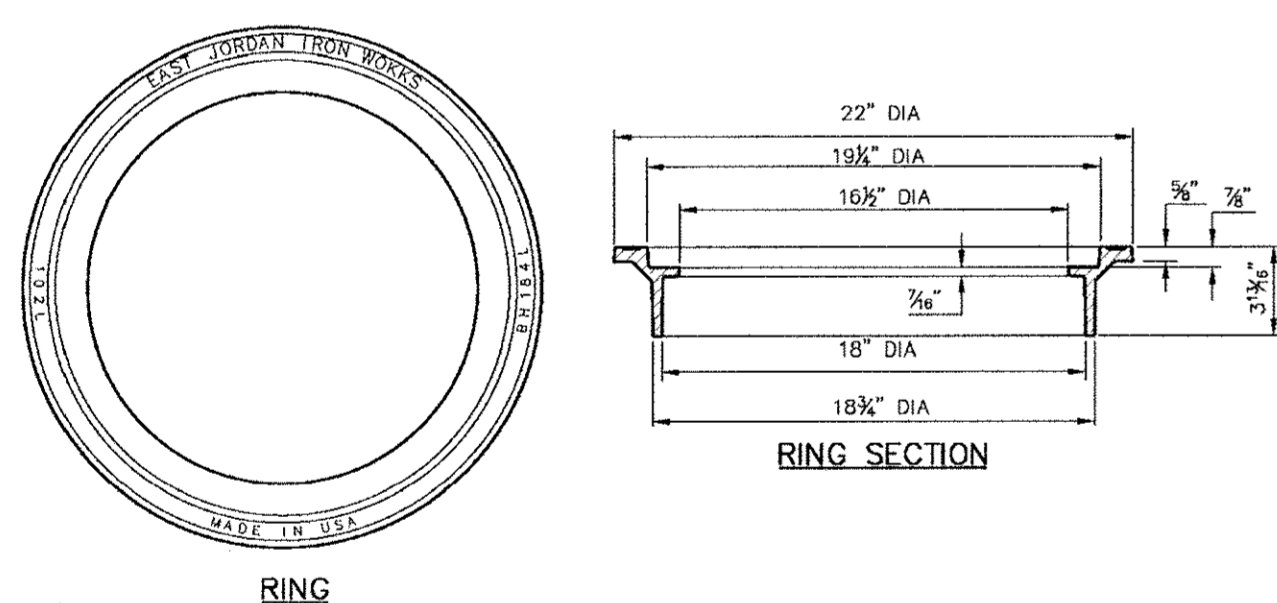
BAR DIAGRAMS (BRICK ON INLET)
NTS

Addison!
PUBLIC WORKS DEPARTMENT

REINFORCING BAR DIAGRAMS

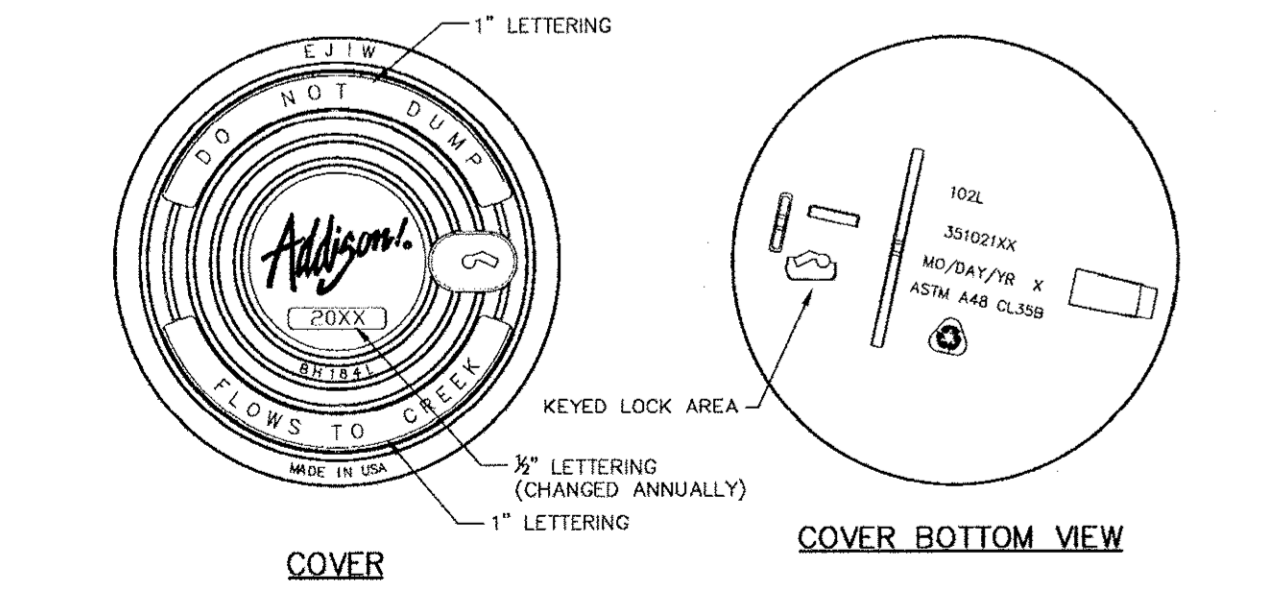
STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-015



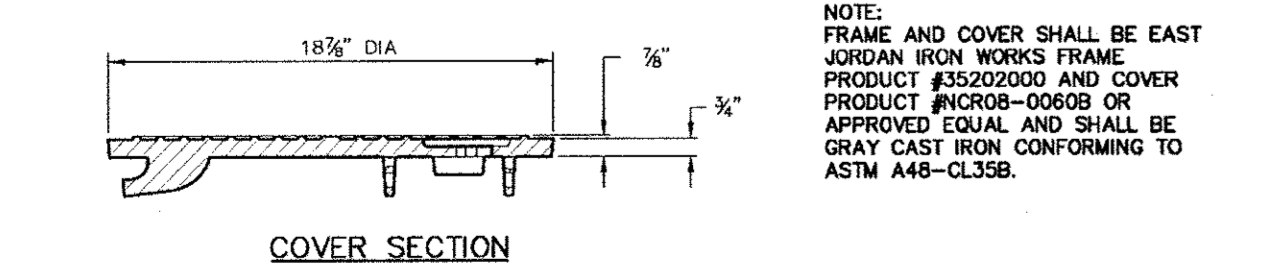
RING

RING SECTION



COVER

COVER BOTTOM VIEW



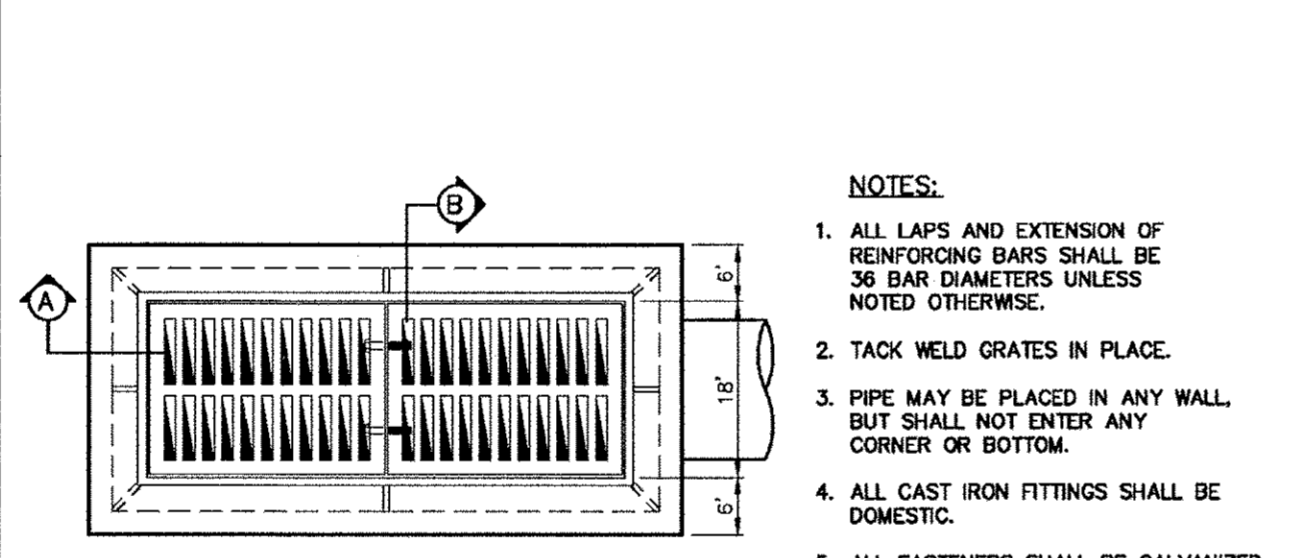
COVER SECTION

Addison!
PUBLIC WORKS DEPARTMENT

INLET FRAME & COVER

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-014



PLAN
NTS

SECTION A
NTS

SECTION B
NTS

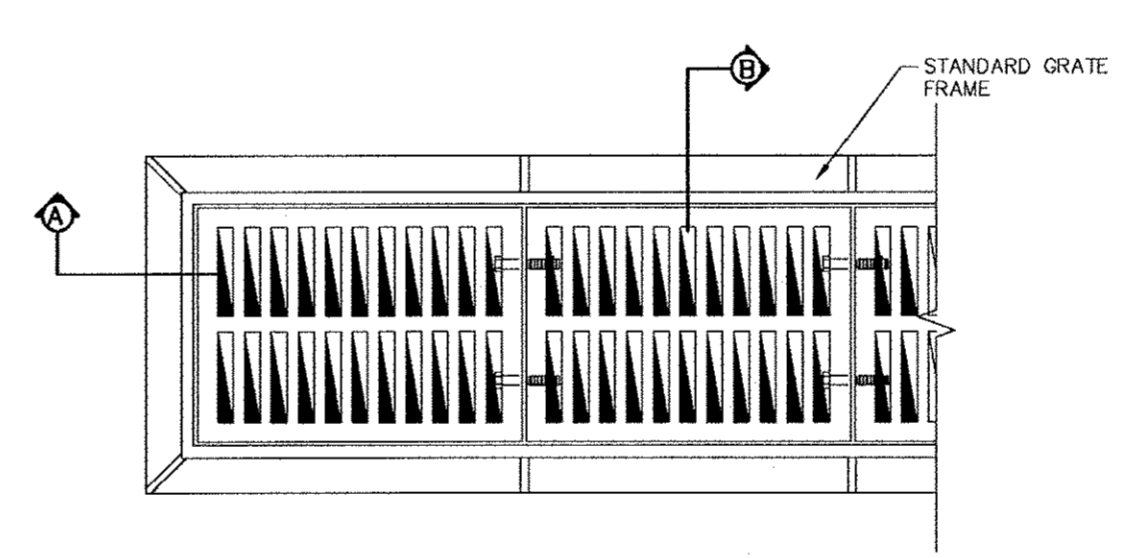
- NOTES:
- ALL LAPS AND EXTENSION OF REINFORCING BARS SHALL BE 36 BAR DIAMETERS UNLESS NOTED OTHERWISE.
 - TACK WELD GRATES IN PLACE.
 - PIPE MAY BE PLACED IN ANY WALL BUT SHALL NOT ENTER ANY CORNER OR BOTTOM.
 - ALL CAST IRON FITTINGS SHALL BE DOMESTIC.
 - ALL FASTENERS SHALL BE GALVANIZED.

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TWO GRATE INLET

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-016



PLAN
NTS

SECTION A
NTS

SECTION B
NTS

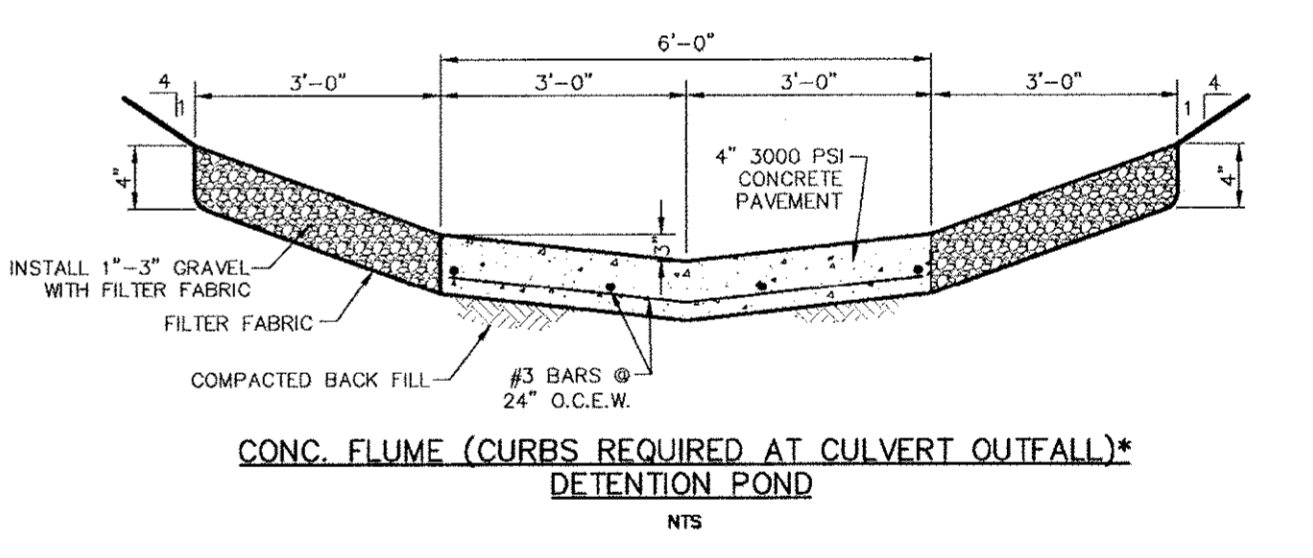
- NOTES:
- GRATE AND FRAME SHALL BE PATTERN NO. 814 AS MANUFACTURED BY BASS AND HAYES FOUNDRY OR APPROVED EQUAL.
 - ALL CAST IRON FITTINGS SHALL BE DOMESTIC.
 - ALL FASTENERS SHALL BE GALVANIZED.

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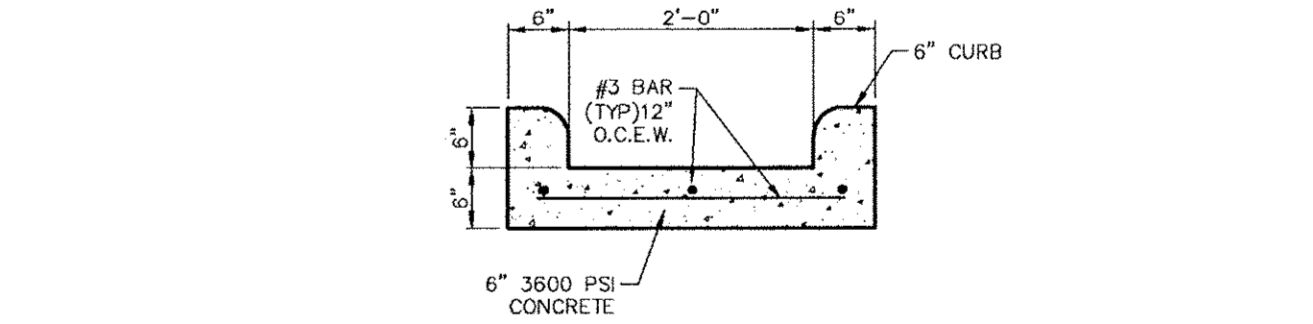
GRATE DETAIL

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

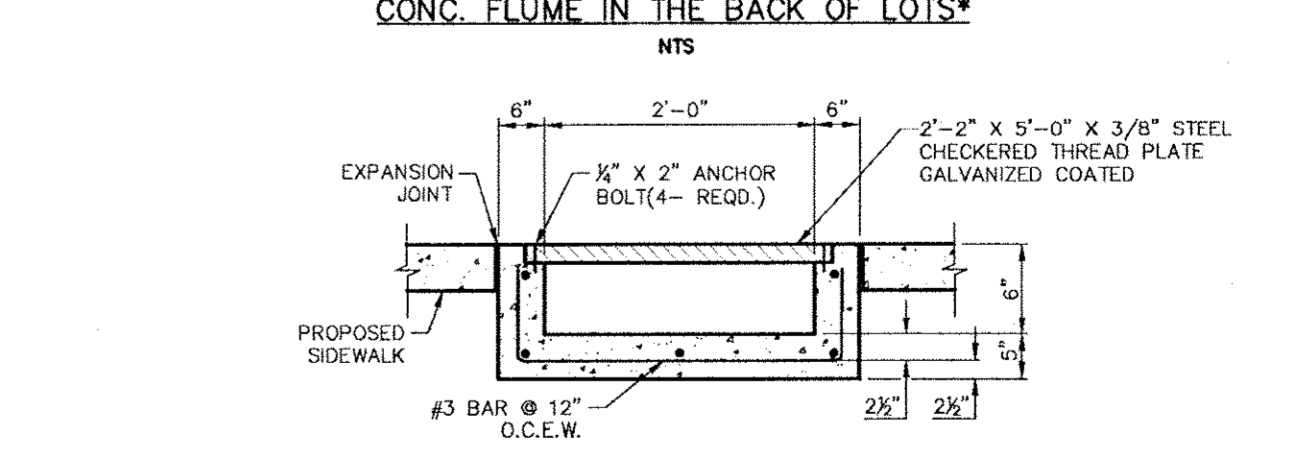
DATE: AUGUST, 2010 REV DATE: SHEET: SD-014



CONC. FLUME (CURBS REQUIRED AT CULVERT OUTFALL)*
DETENTION POND
NTS



CONC. FLUME IN THE BACK OF LOTS*
NTS



CONC. FLUME WITH PLATE COVER*
NTS

*FOR ALL FLUMES THE MINIMUM SLOPE WILL BE 0.75%

Addison!
PUBLIC WORKS DEPARTMENT

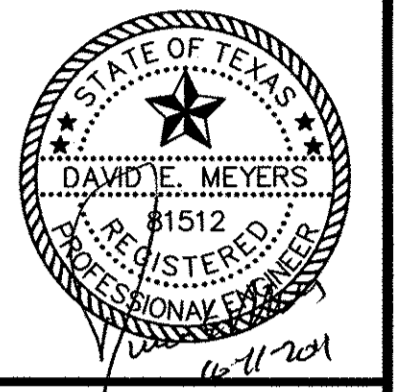
STORM RELATED FLUMES

STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE

DATE: AUGUST, 2010 REV DATE: SHEET: SD-015

Kimley-Horn and Associates, Inc.
1000 WEST 11TH STREET, SUITE 200
DALLAS, TEXAS 75204
TEL: 214.760.8800 FAX: 214.760.8800

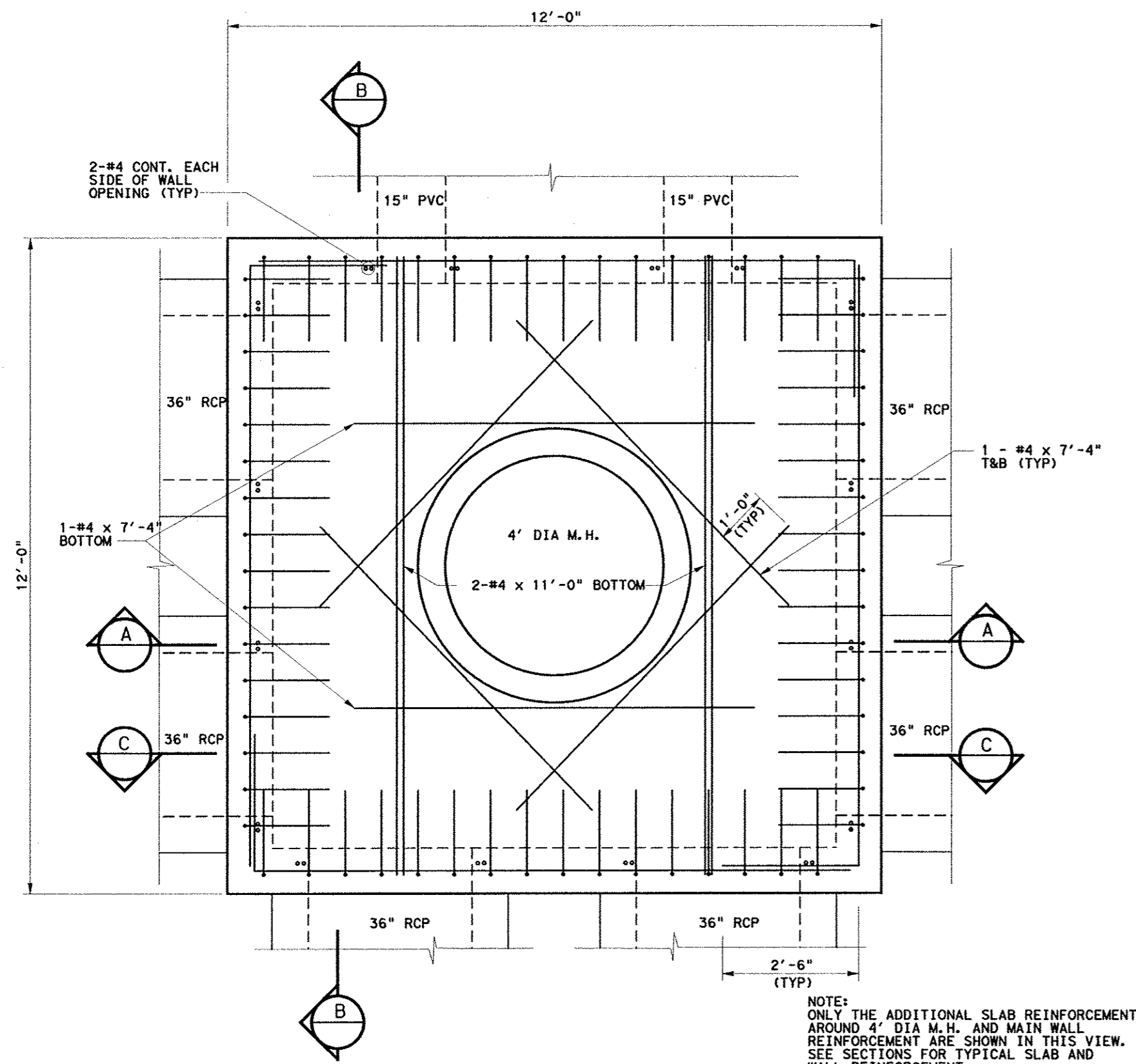
REVISION TOWN DETAILS
DATE: 8/26/11



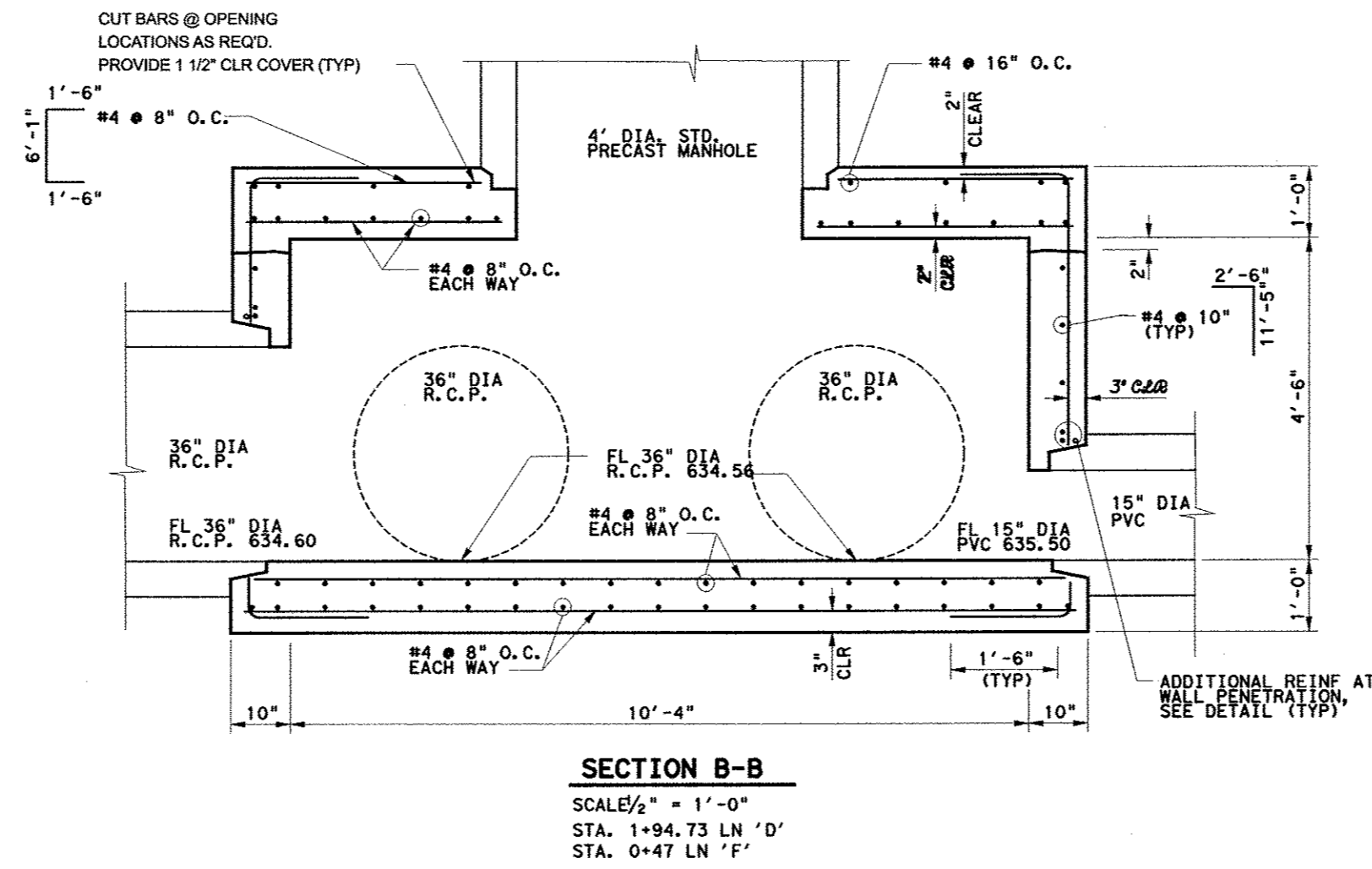
Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

STORM WATER DETAILS

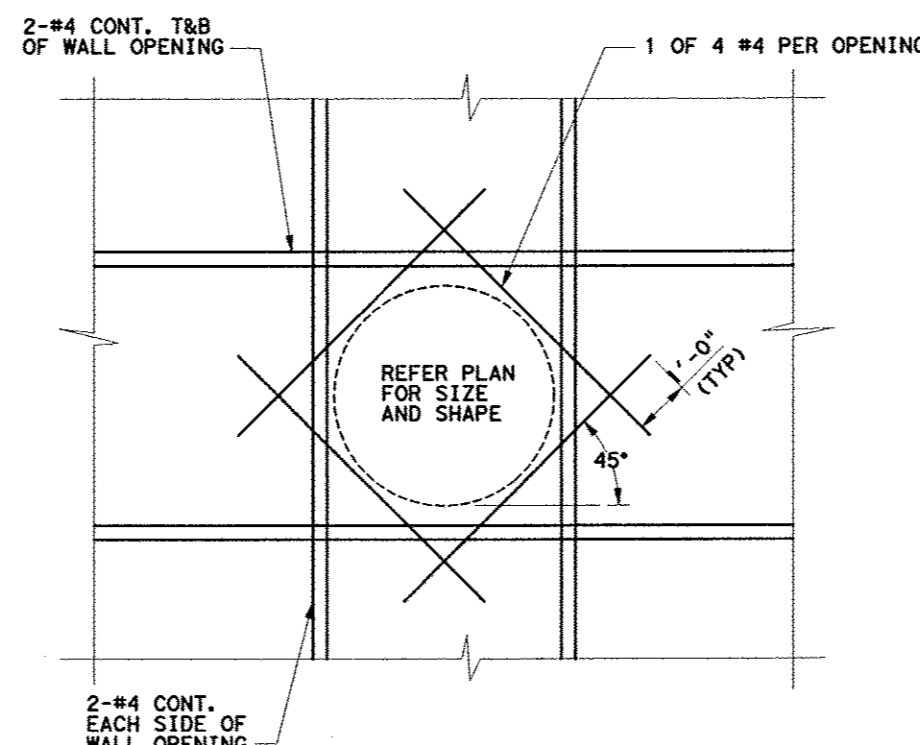
DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 064362003
CITY NO.:



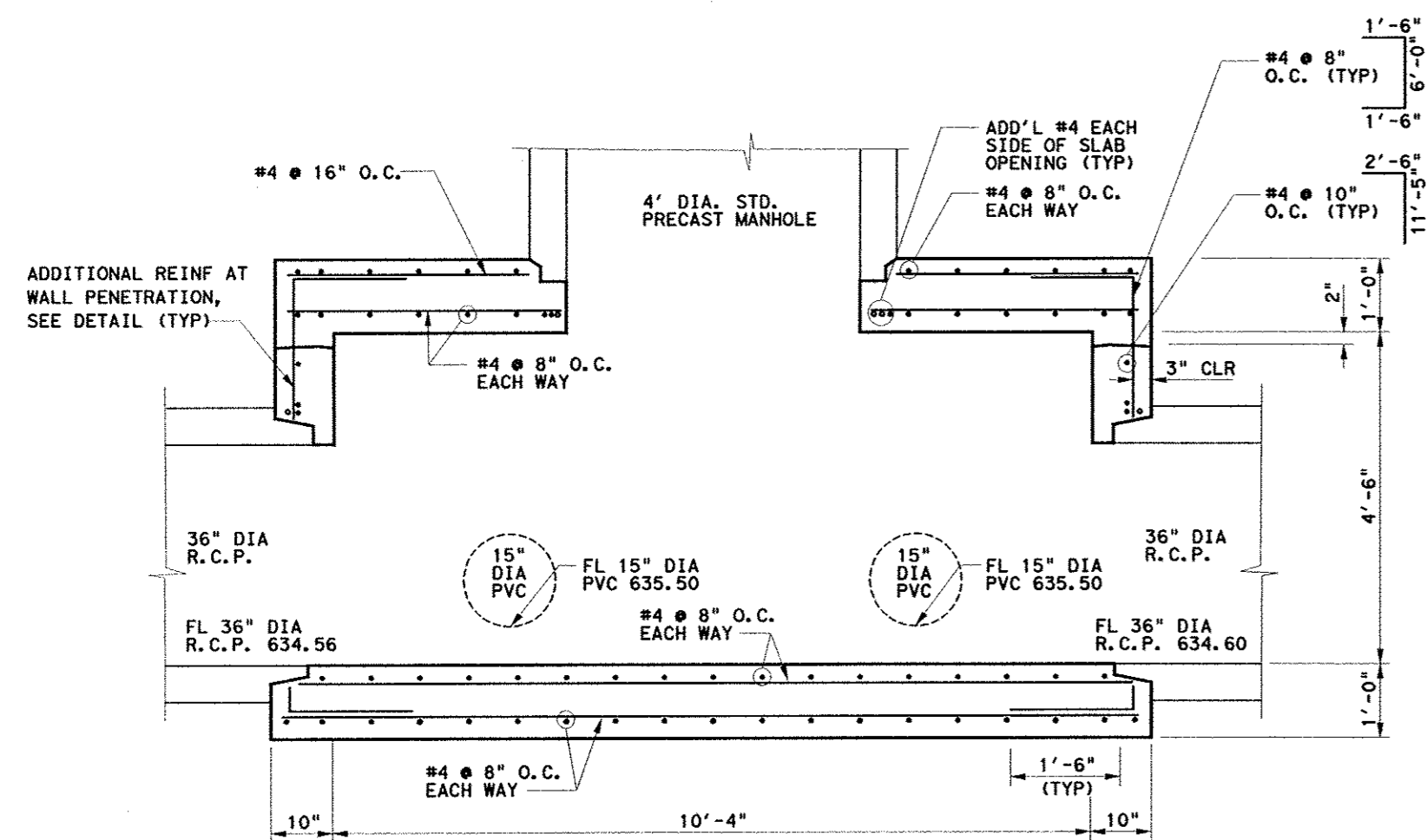
PLAN VIEW
SCALE 1/2" = 1'-0"
STA. 1+94.73 LN 'D'
STA. 0+47 LN 'F'



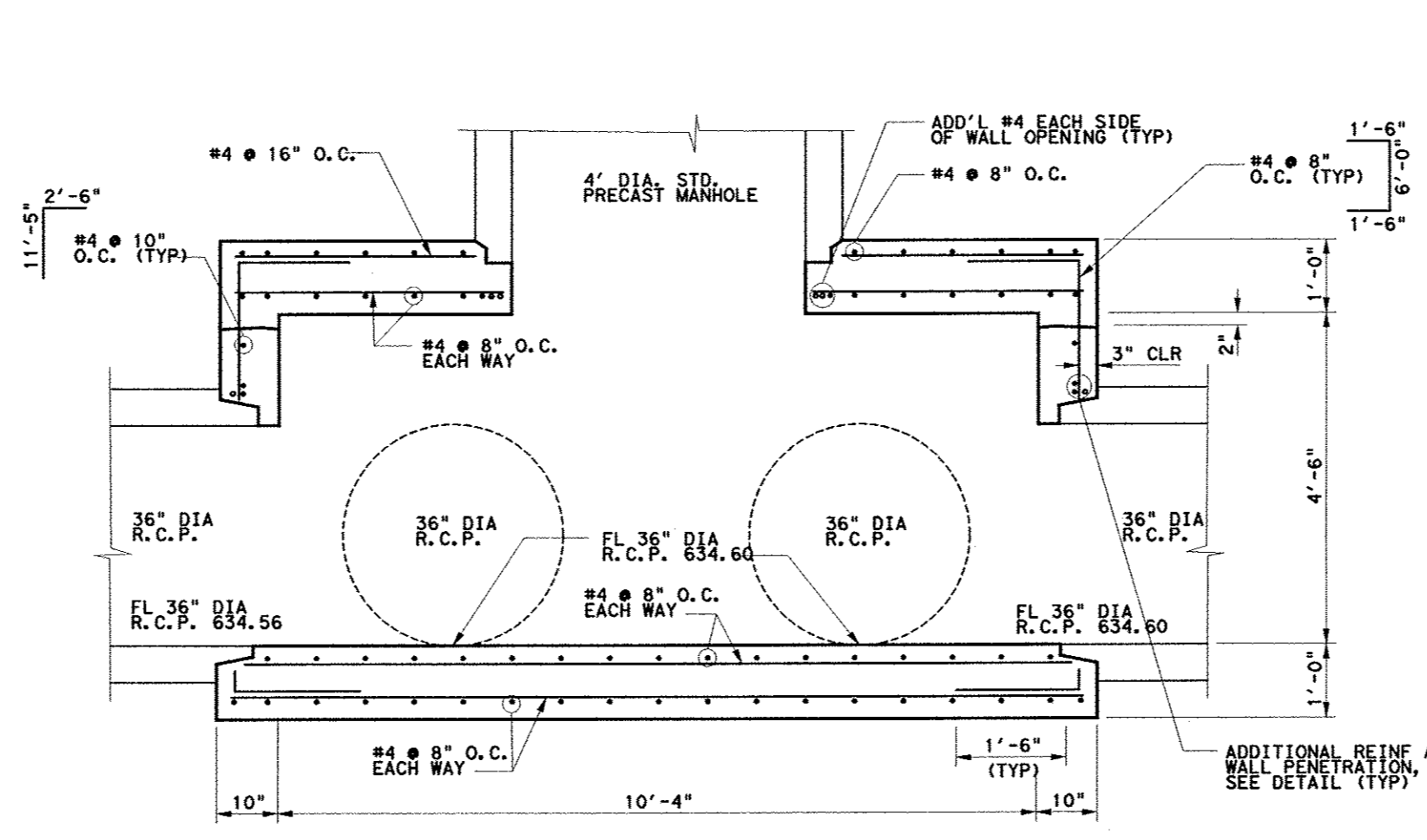
SECTION B-B
SCALE 1/2" = 1'-0"
STA. 1+94.73 LN 'D'
STA. 0+47 LN 'F'



DETAILS OF ADDITIONAL REINFORCEMENT AT TYPICAL WALL PENETRATION
SCALE 1/2" = 1'-0"



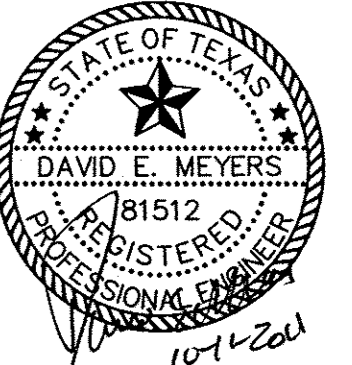
SECTION A-A
SCALE 1/2" = 1'-0"
STA. 1+94.73 LN 'D'
STA. 0+47 LN 'F'



SECTION C-C
SCALE 1/2" = 1'-0"
STA. 1+94.73 LN 'D'
STA. 0+47 LN 'F'

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO REQUIREMENTS OF STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002 17TH EDITION, HEREIN REFERRED TO AS THE STANDARD SPECIFICATION, AND/OR ADDITIONAL PREVAILING CODES.
- NOTES HEREIN EXCEPTED FROM THE STANDARD SPECIFICATIONS ARE FOR GENERAL INFORMATION ONLY AND DO NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITIES FOR OBTAINING COPIES OF AND/OR CONFORMING TO THE STANDARD SPECIFICATIONS.
- WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL COORDINATE, VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS, DETAILS AND CONDITIONS BEFORE STARTING THE WORK.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SHORING AND BRACING OF ALL WORK INCLUDING PROTECTION OF EXISTING STRUCTURES AND UTILITIES.
- ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO INSTALLATION, SHALL HAVE PREVIOUS APPROVAL FROM THE GOVERNING BUILDING DEPARTMENT AND SHALL HAVE EITHER A CURRENT INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS RESEARCH REPORT OR A NATIONAL EVALUATION REPORT.
- BACKFILL SHALL BE A COMPACTED EXISTING SITE SOIL OR ROCK AS APPROVED BY THE GEOTECHNICAL ENGINEER WITH MAXIMUM EQUIVALENT FLUID PRESSURE OF 80 PSF/FT DEPTH. UPPER 18" OF BACKFILL SHALL BE SEALED WITH A COMPACTED COHESIVE SOIL (PI > 25).
- BACKFILL SHALL BE PLACED AS STANDARD COMPACTED EARTHFILL, PLACED IN 8 INCH THICK LOOSE LIFTS AND COMPACTED AT 92% (MINIMUM) OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT. CARE SHOULD BE TAKEN TO ASSURE ADEQUATE COMPACTION ADJACENT TO WALL WITH MANUAL COMPACTION EQUIPMENT (NO HEAVY EQUIPMENT). NO VEGETATION OR ROCKS GREATER THAN 3 INCHES IN ANY DIMENSION SHALL BE ALLOWED IN THE FILL.
- SUB-GRADE PREPARATION AND BACKFILL MATERIALS AND COMPACTION TO BE UNDER THE SUPERVISION OF THE GEOTECHNICAL FIRM, REED ENGINEERING GROUP, LTD. A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF SHALL BE OBTAINED.
- CONCRETE FOR WALLS AND SLABS:
f'c = 4000 PSI @ 28 DAYS, NORMAL WEIGHT
COARSE AGGREGATE SIZE NO. 57, 1" MAXIMUM
AIR-ENTRAINMENT 2-1/2% BY VOLUME
WATER-CEMENT RATIO 0.48
CEMENT CONTENT 470 LBS PER CUBIC YARD MINIMUM
SLUMP 4" ± 1" WITH WATER REDUCING ADMIXTURE
FLY ASH - 20-25% MAY BE ADDED
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- ALL REINFORCING BARS SPLICE SHALL BE 40 BAR DIA. (18" MINIMUM) UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- UNLESS OTHERWISE NOTED (UNO), ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" - A.C.I. 315.
- ALL REINFORCING BAR HOOKS SHOWN ON DRAWINGS SHALL BE A.C.I. STANDARD 90 DEGREE HOOKS, UNO.
- CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/4" X 45 DEGREE CHAMFER, UNO.
- EXPANSION JOINT MATERIAL SHALL CONFORM TO ASTM D-1751 FOR NON-EXTRUDING AND RESILIENT BITUMINOUS TYPES.
- REFER TO GEOTECHNICAL ENGINEER FOR RECOMMENDED TECHNICAL PROVISIONS FOR THE CONSTRUCTION PRACTICE IN SHORING AND SLOPING OF EXCAVATIONS AND REQUIRED COMPACTION REQUIREMENTS. GEOTECHNICAL ENGINEER SHALL OBSERVE FOOTING/SLAB SUBGRADE BEFORE CONCRETE PLACEMENT.
- TIME OF OPEN EXCAVATION FOR WALL CONSTRUCTION SHALL BE LIMITED PER GEOTECHNICAL ENGINEER.
- CLEAR SPACING BETWEEN REINFORCING BARS SHALL BE A MINIMUM OF 1/2 BAR DIAMETERS, OR 1/2", OR 1 TIMES THE MAXIMUM AGGREGATE SIZE, WHICHEVER IS GREATER.
- REINFORCING SHALL HAVE THE FOLLOWING MINIMUM PROTECTIVE COVER OF CONCRETE, UNO:
A) 3" - CONCRETE CAST AGAINST GROUND
B) 2" - FORMED CONCRETE SURFACES IN CONTACT WITH GROUND
C) 2" - FORMED CONCRETE SURFACES EXPOSED TO WEATHER
D) 2" - TOP REINFORCEMENT IN DECK SLABS
- NO OPENINGS FOR PIPES, CONDUIT, ETC. SHALL BE MADE IN CONCRETE WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER UNLESS SHOWN ON THE DRAWINGS.



Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

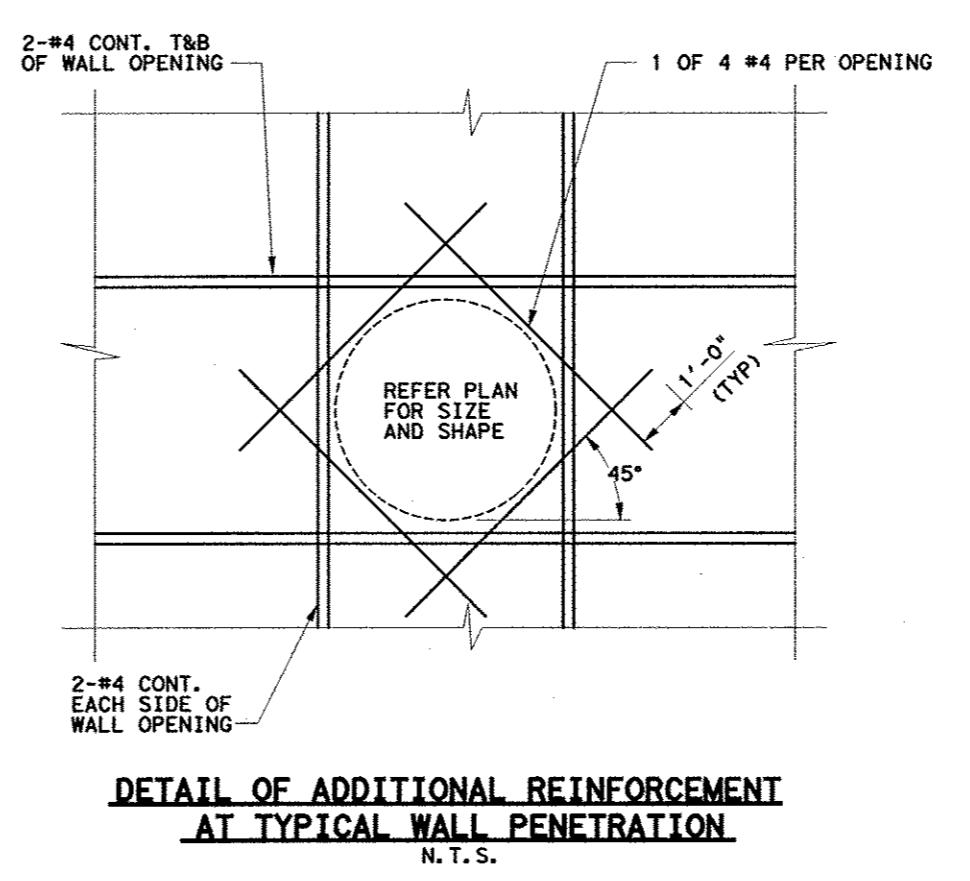
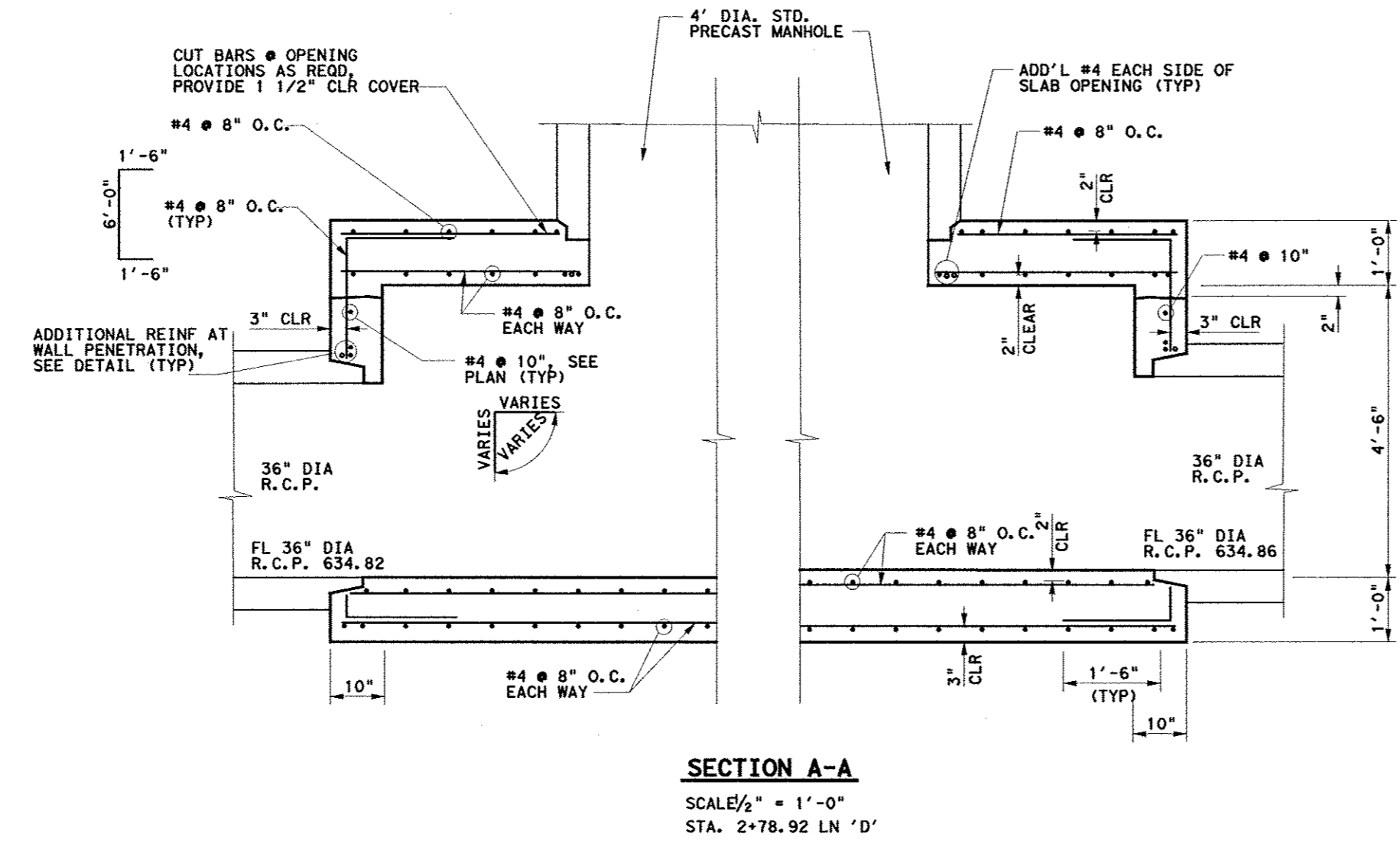
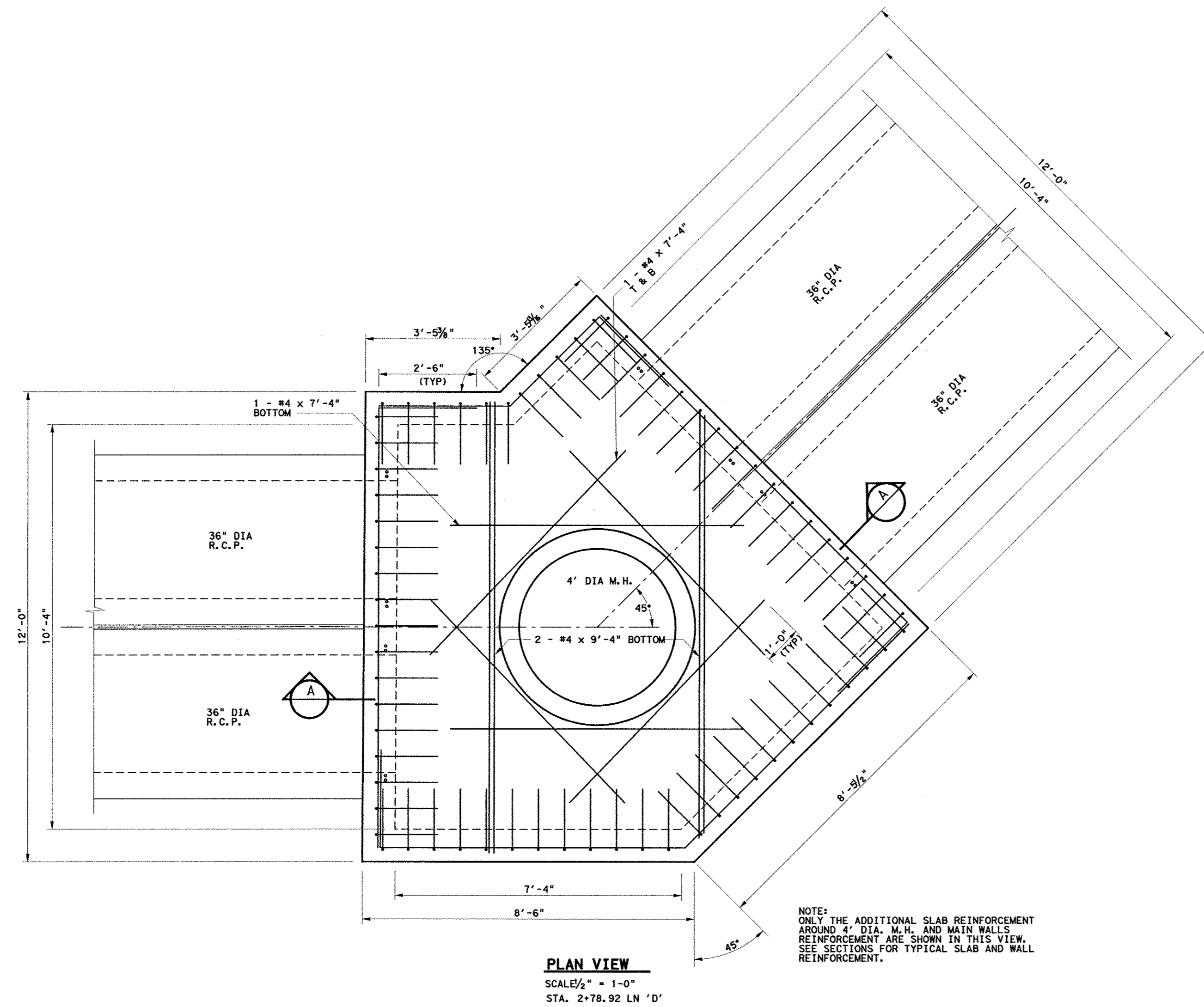
JUNCTION STRUCTURE DETAILS

DATE: OCTOBER 11, 2011
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KHA NO.: 064362003
CITY NO.:

SHEET

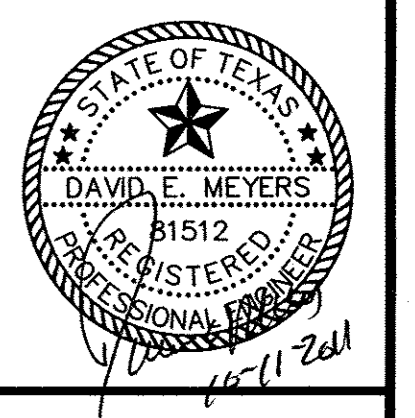
C15

NOTE: SEE SHEET C15 FOR GENERAL NOTES.



Kimley-Horn and Associates, Inc.
 1700 W. Loop West, Suite 300
 Dallas, TX 75201-2298
 P.O. Box 138
 Dallas, TX 75201-0138

No.	Revision	Date



Keller Springs Lofts
 Loft Apartments in Addison
 Town of Addison, Texas

JUNCTION STRUCTURE DETAILS

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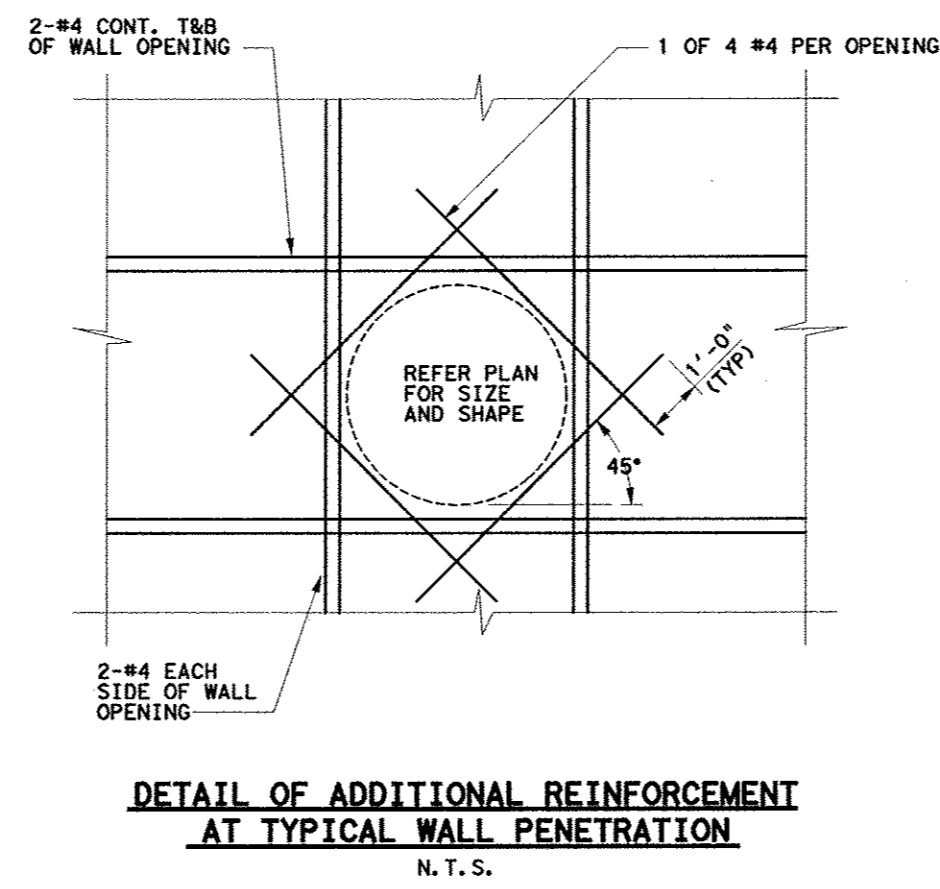
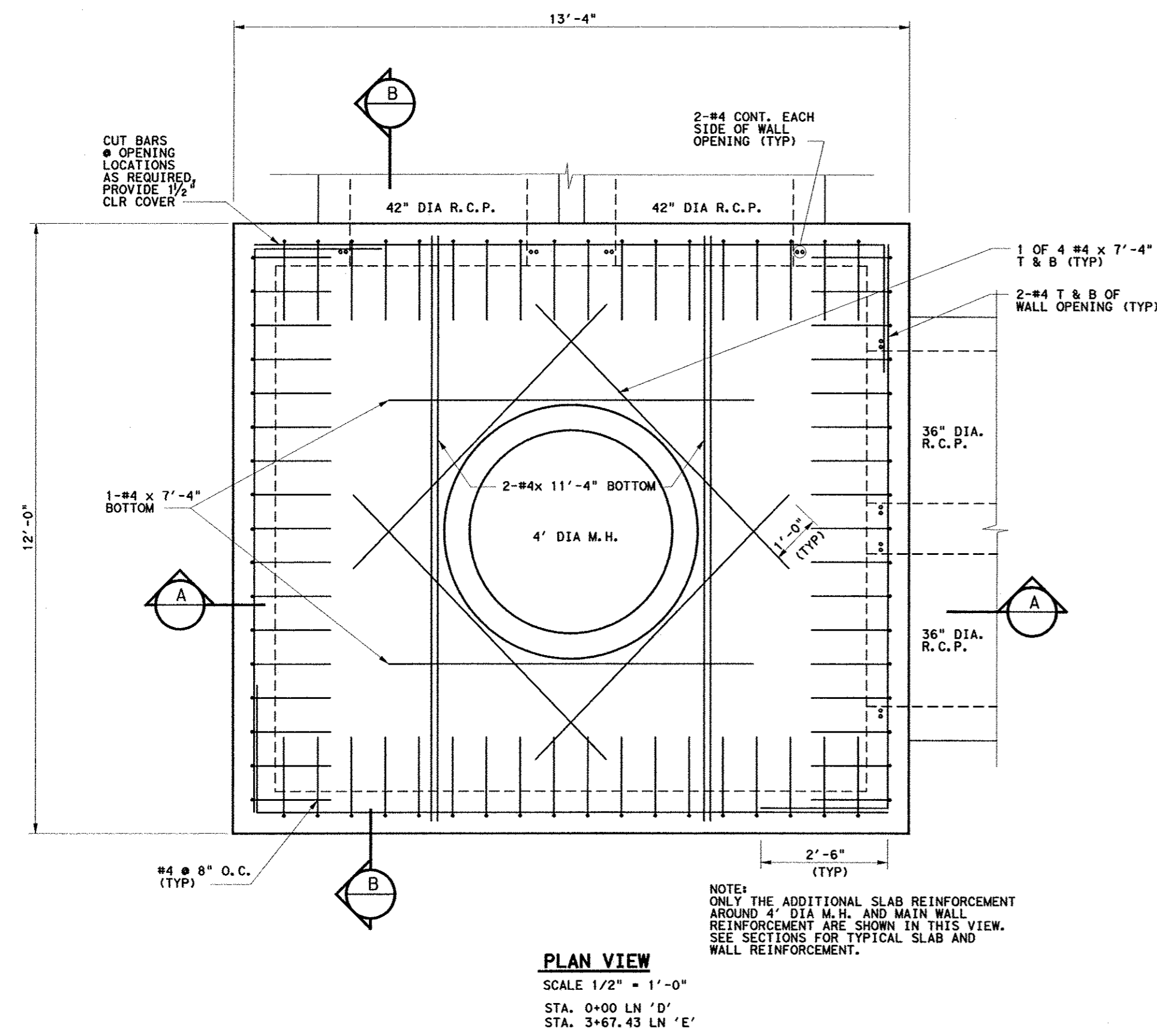


Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

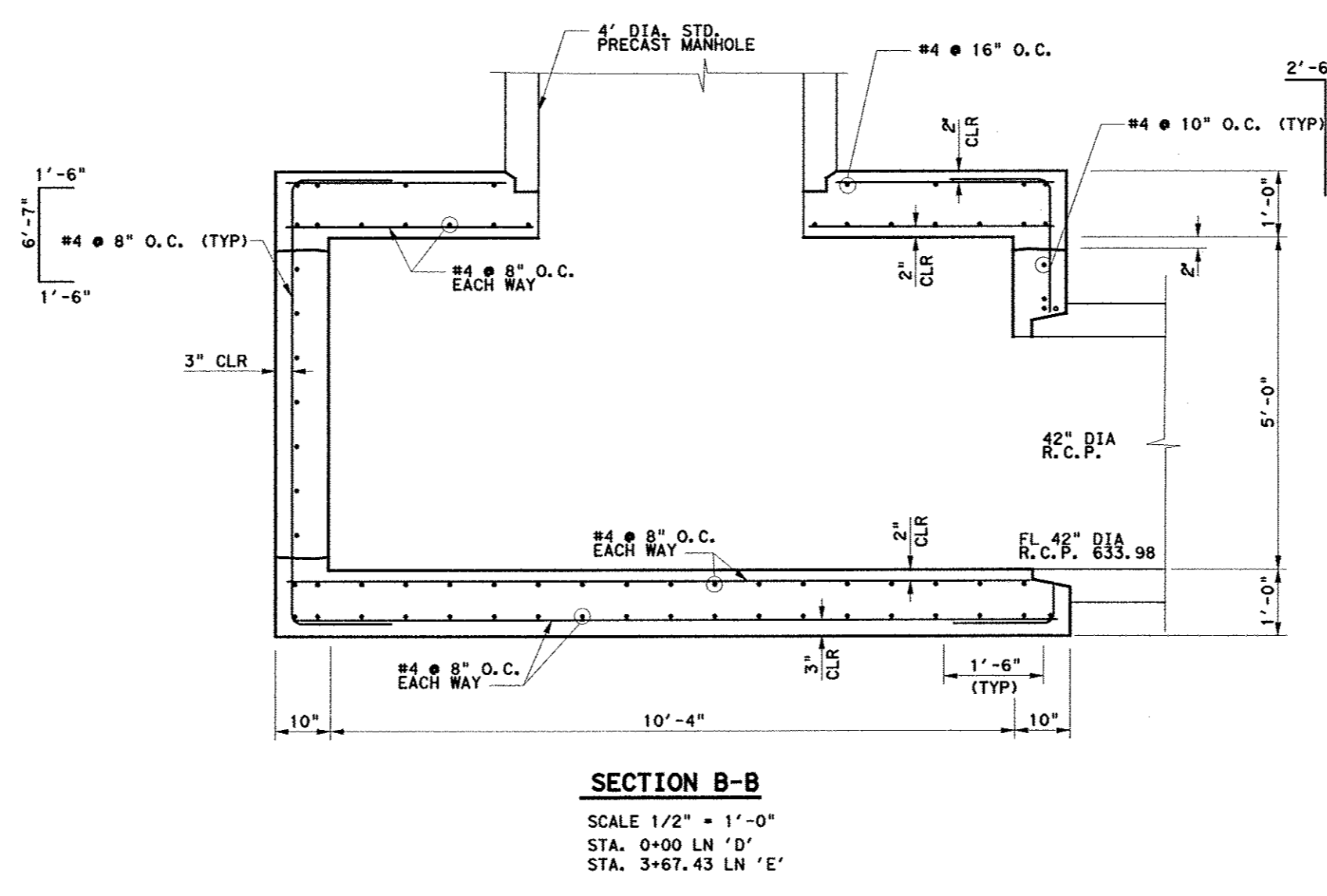
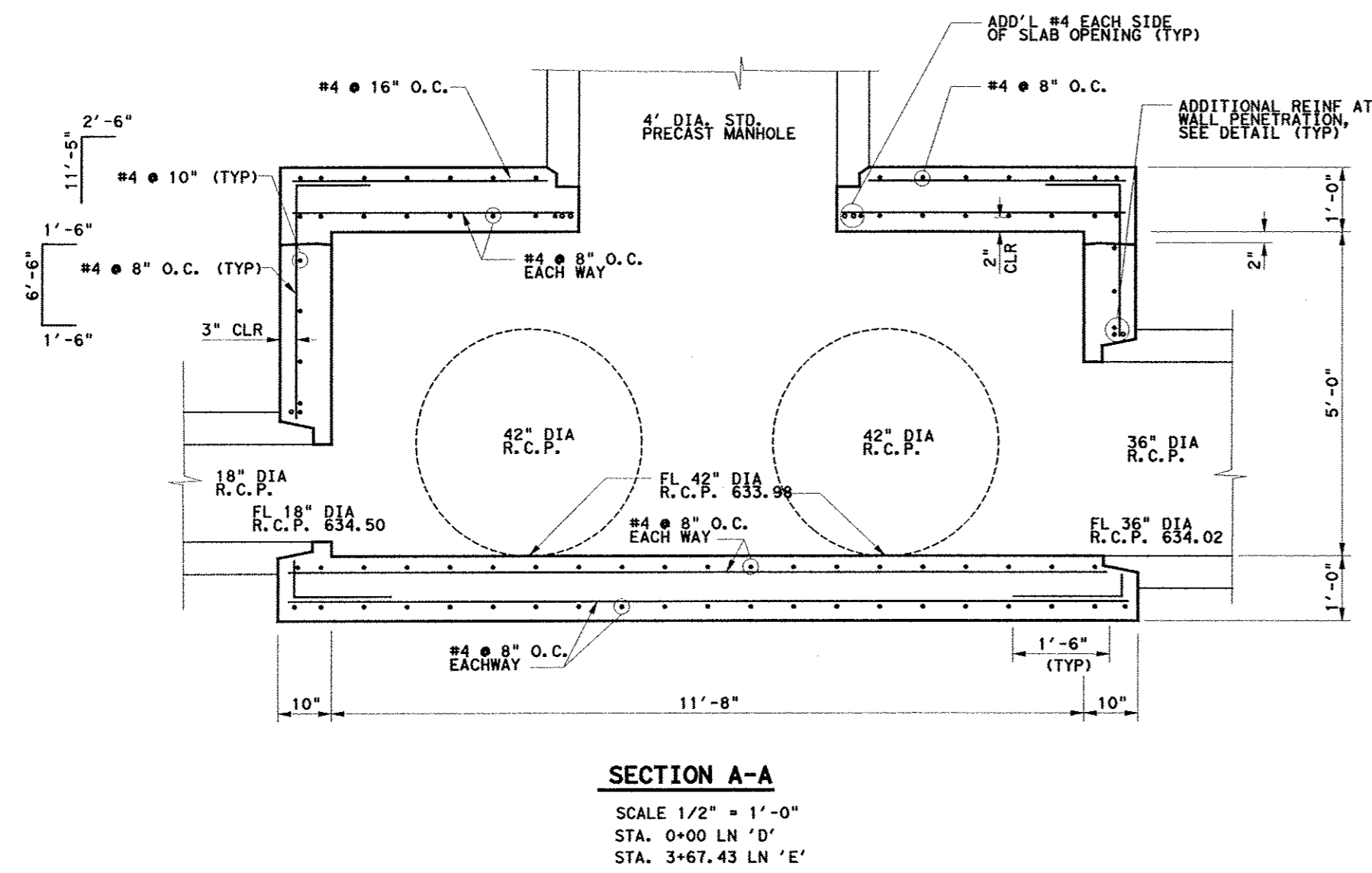
**JUNCTION STRUCTURE
DETAILS**

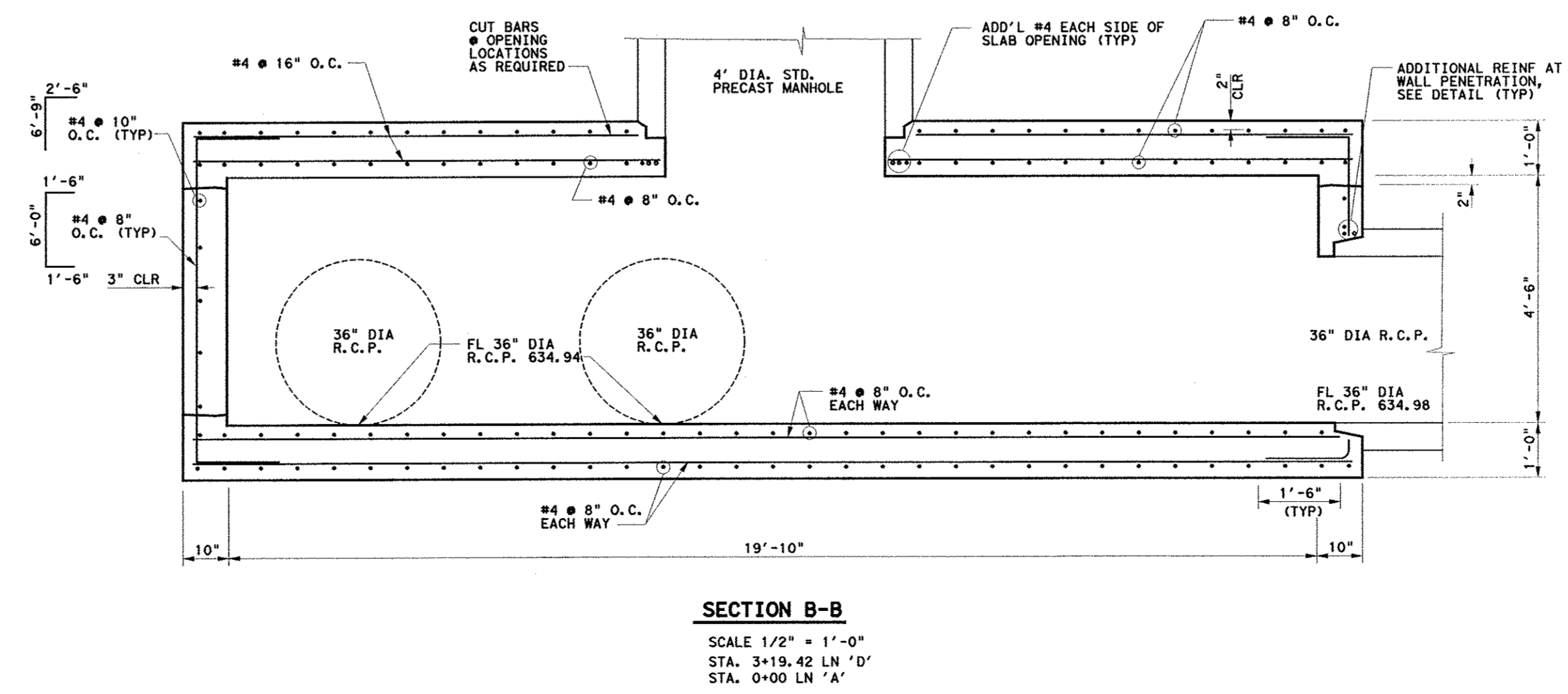
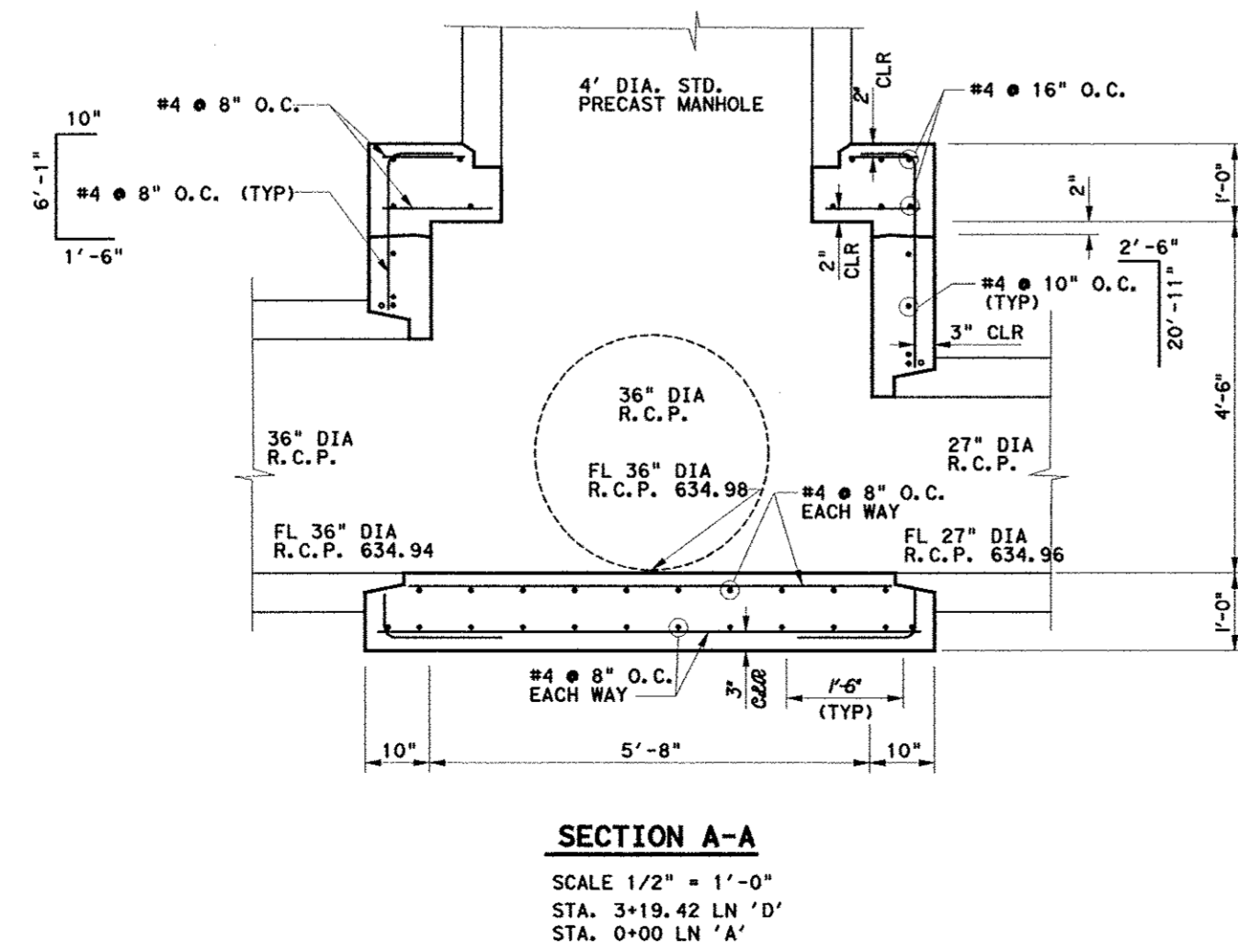
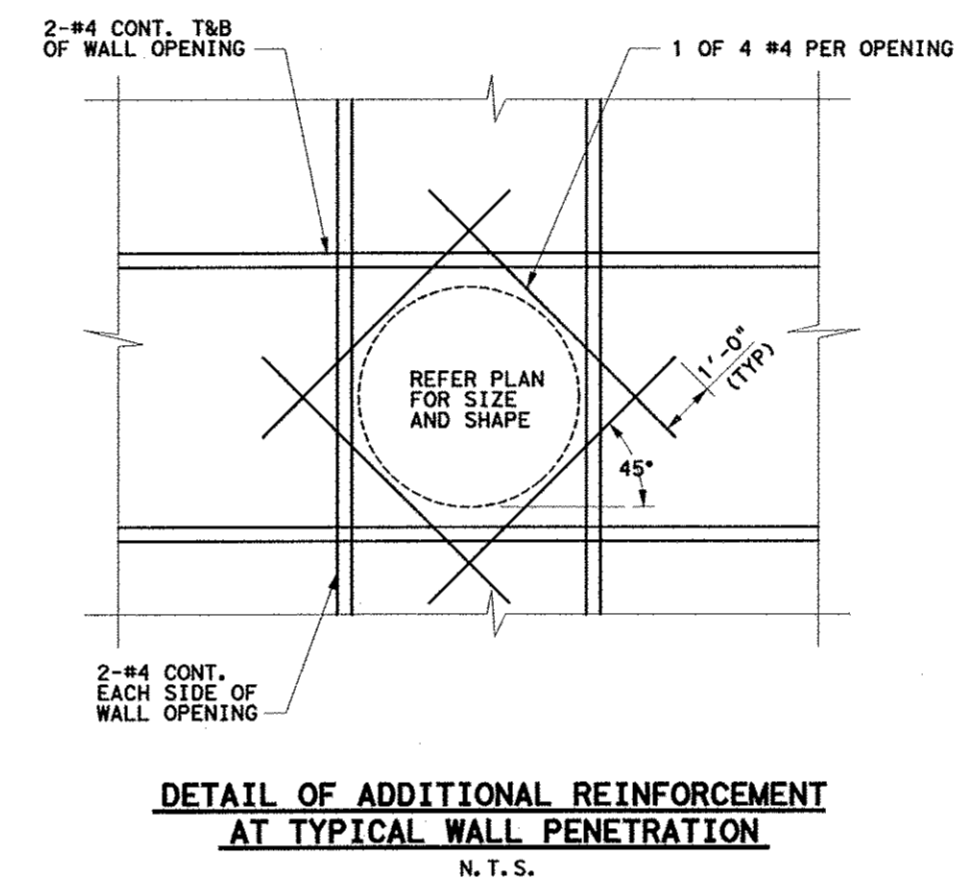
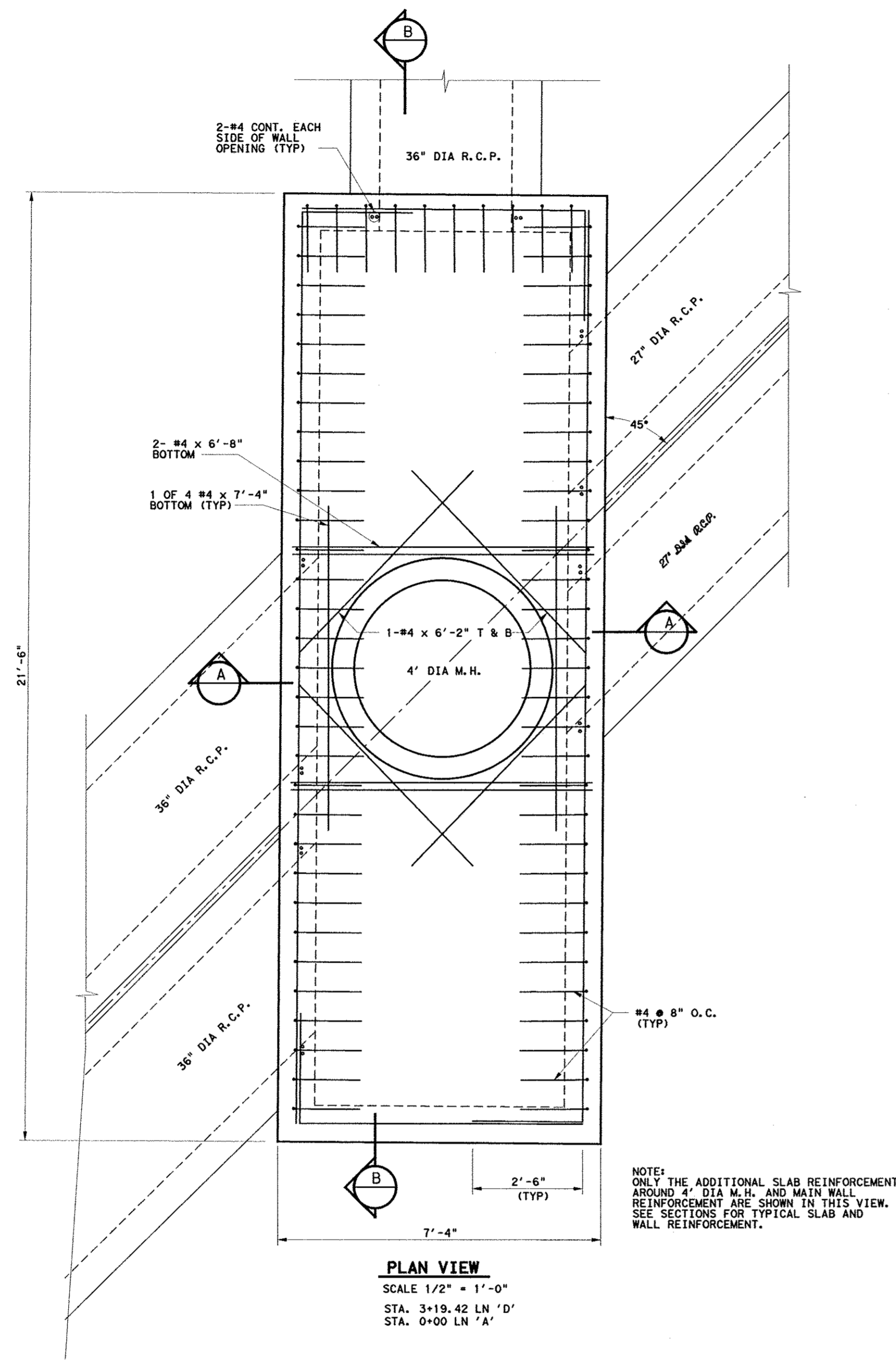
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KHA NO.: 064362003
CITY NO.:

SHEET
C17



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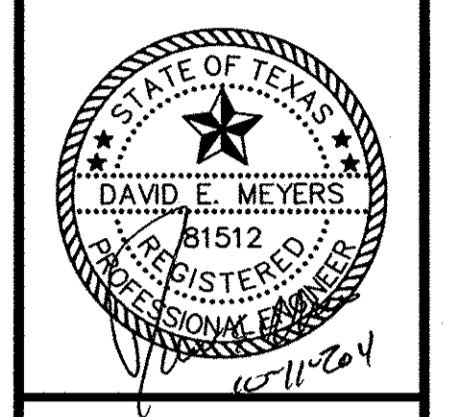


NOTE: SEE SHEET C15 FOR GENERAL NOTES.

Kimley-Horn and Associates, Inc.

1000 N. GULF SHORE BLVD. SUITE 200
DALLAS, TEXAS 75201-2800
TEL: 972-222-7700
FAX: 972-222-7700

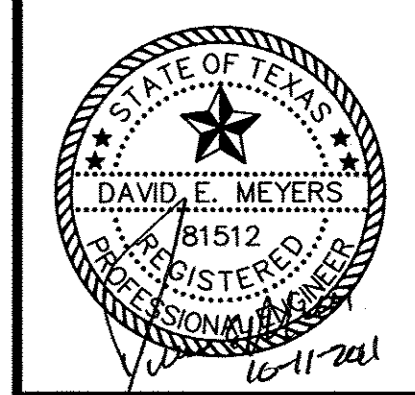
No.	Revision	Date



Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

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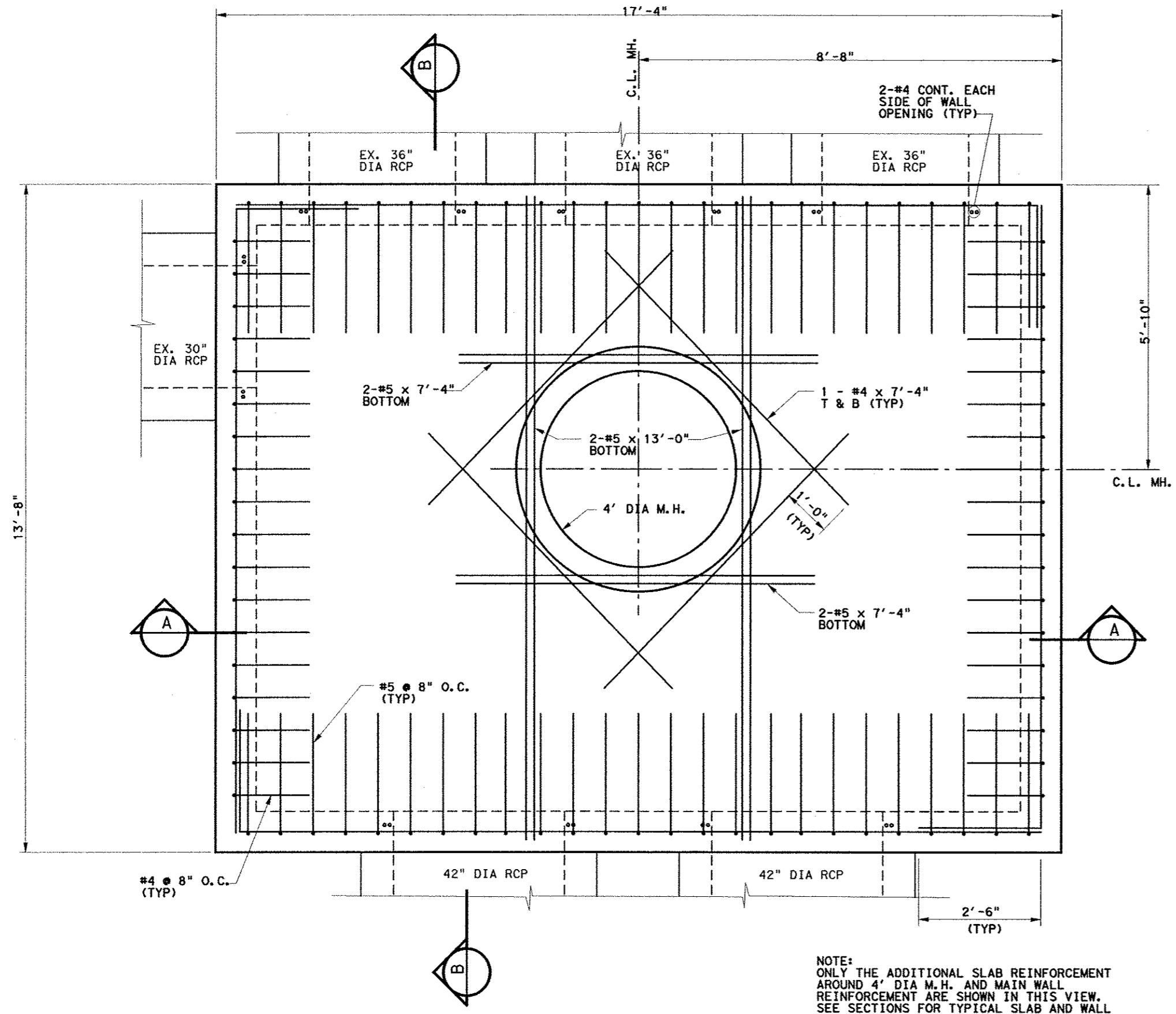


Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

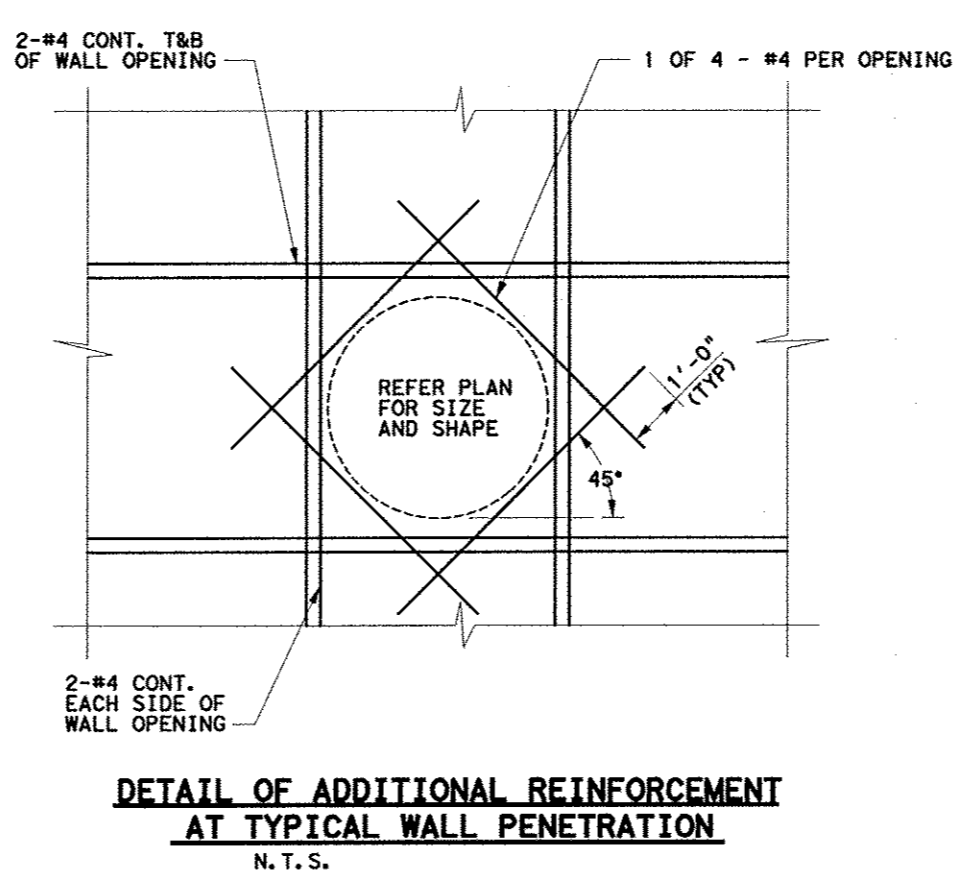
**JUNCTION STRUCTURE
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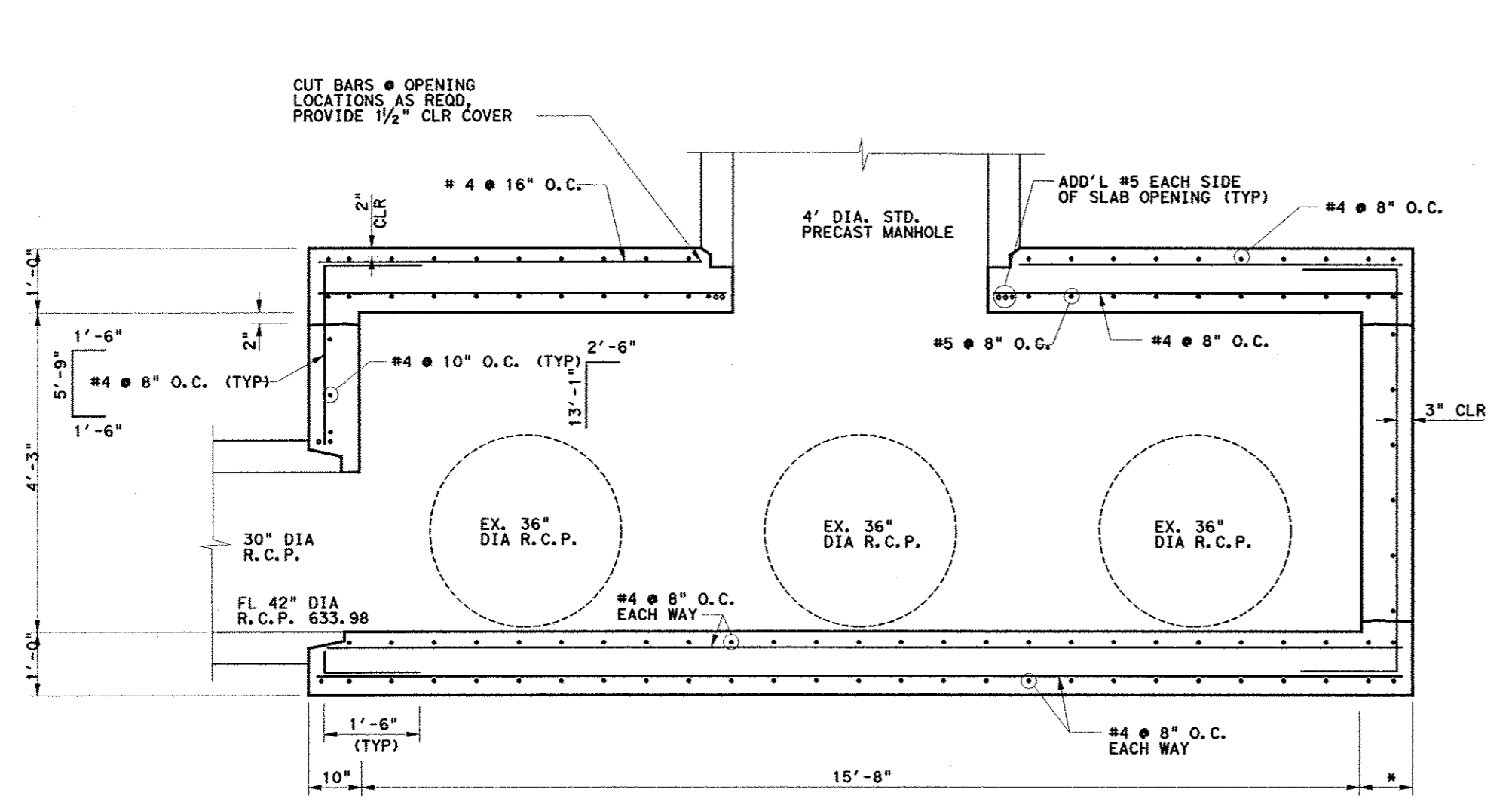
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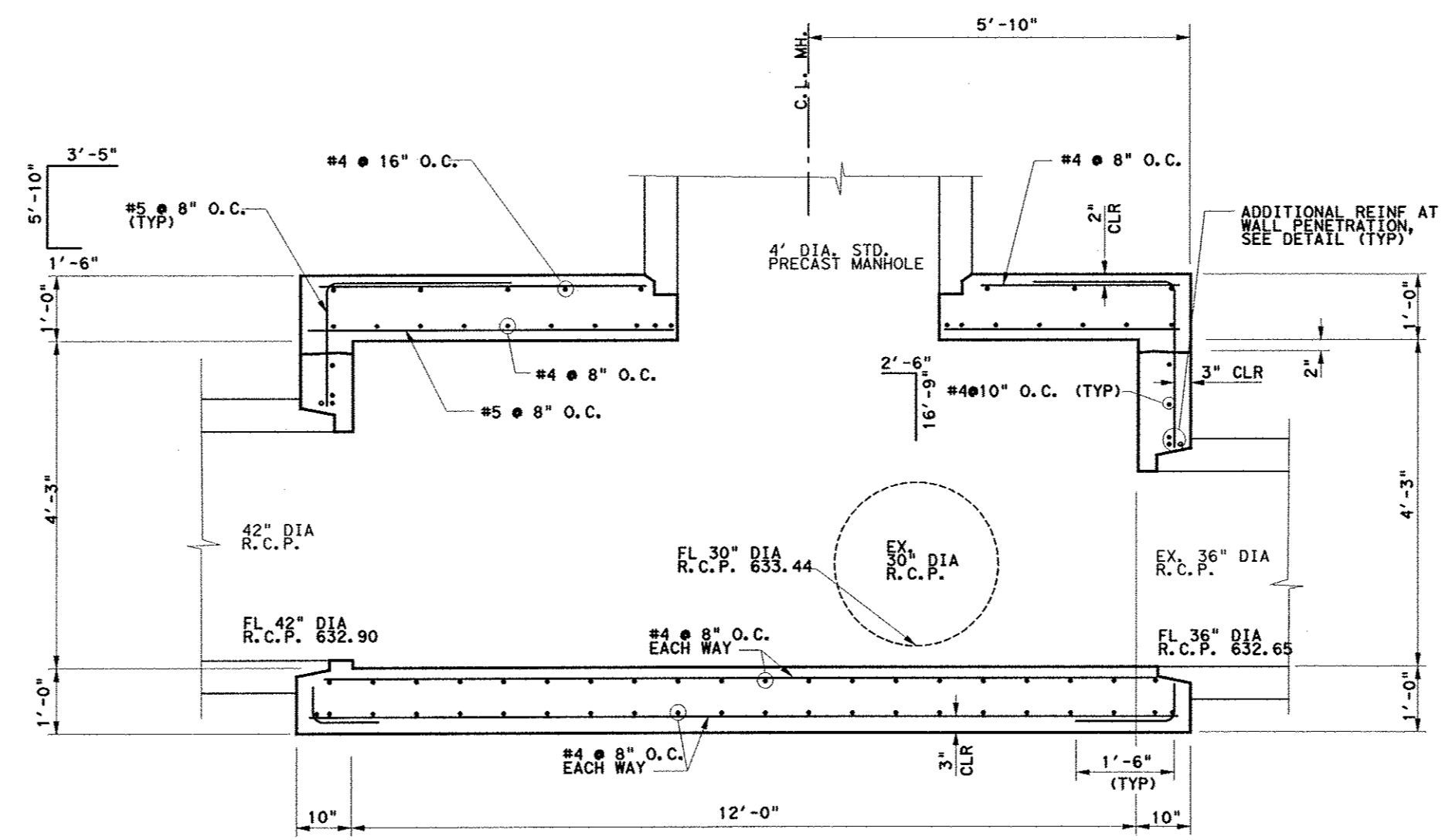
PLAN VIEW
SCALE 1/4" = 1'-0"
STA. 0+00 LN 'E'



**DETAIL OF ADDITIONAL REINFORCEMENT
AT TYPICAL WALL PENETRATION**
N.T.S.

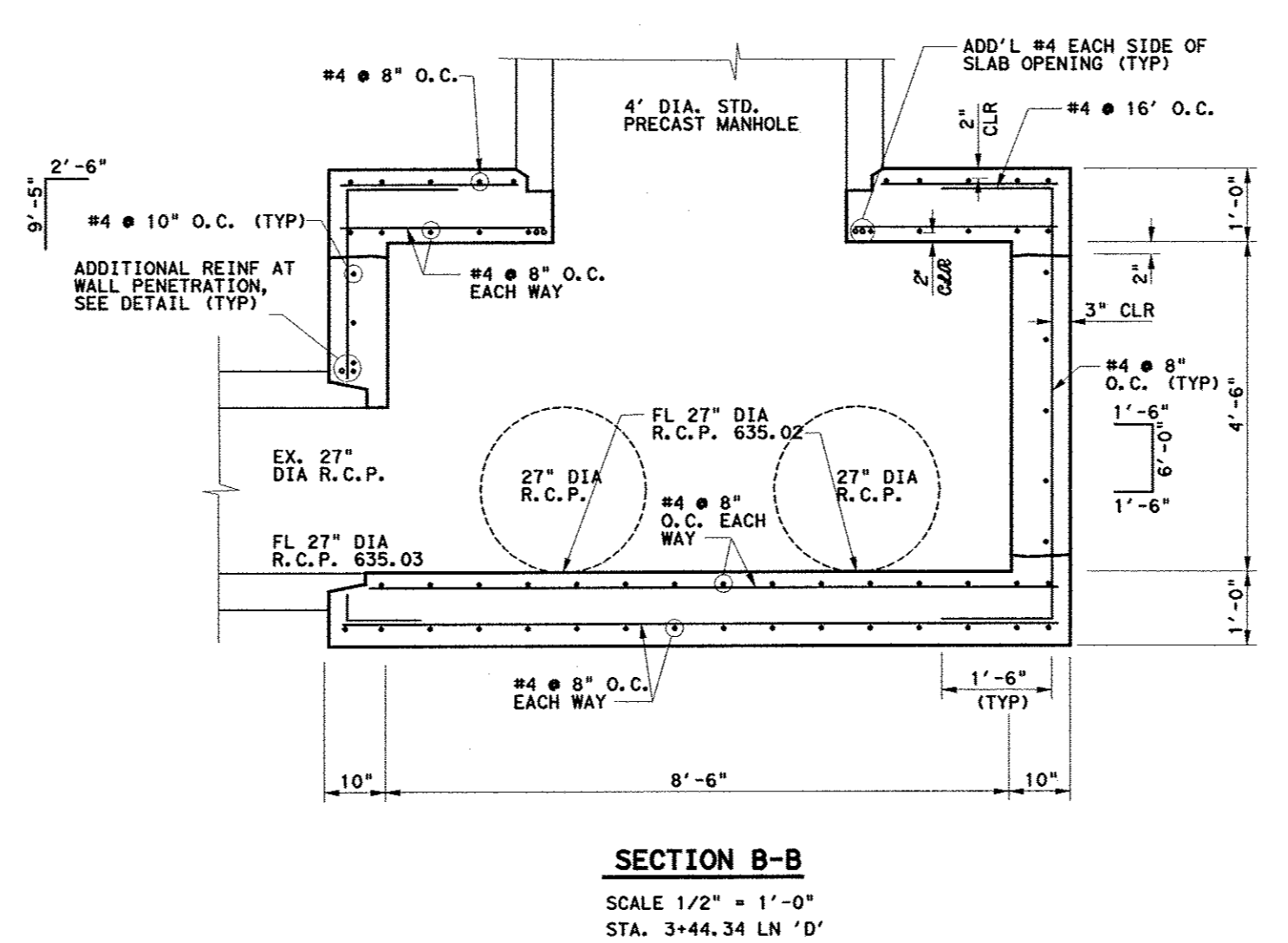
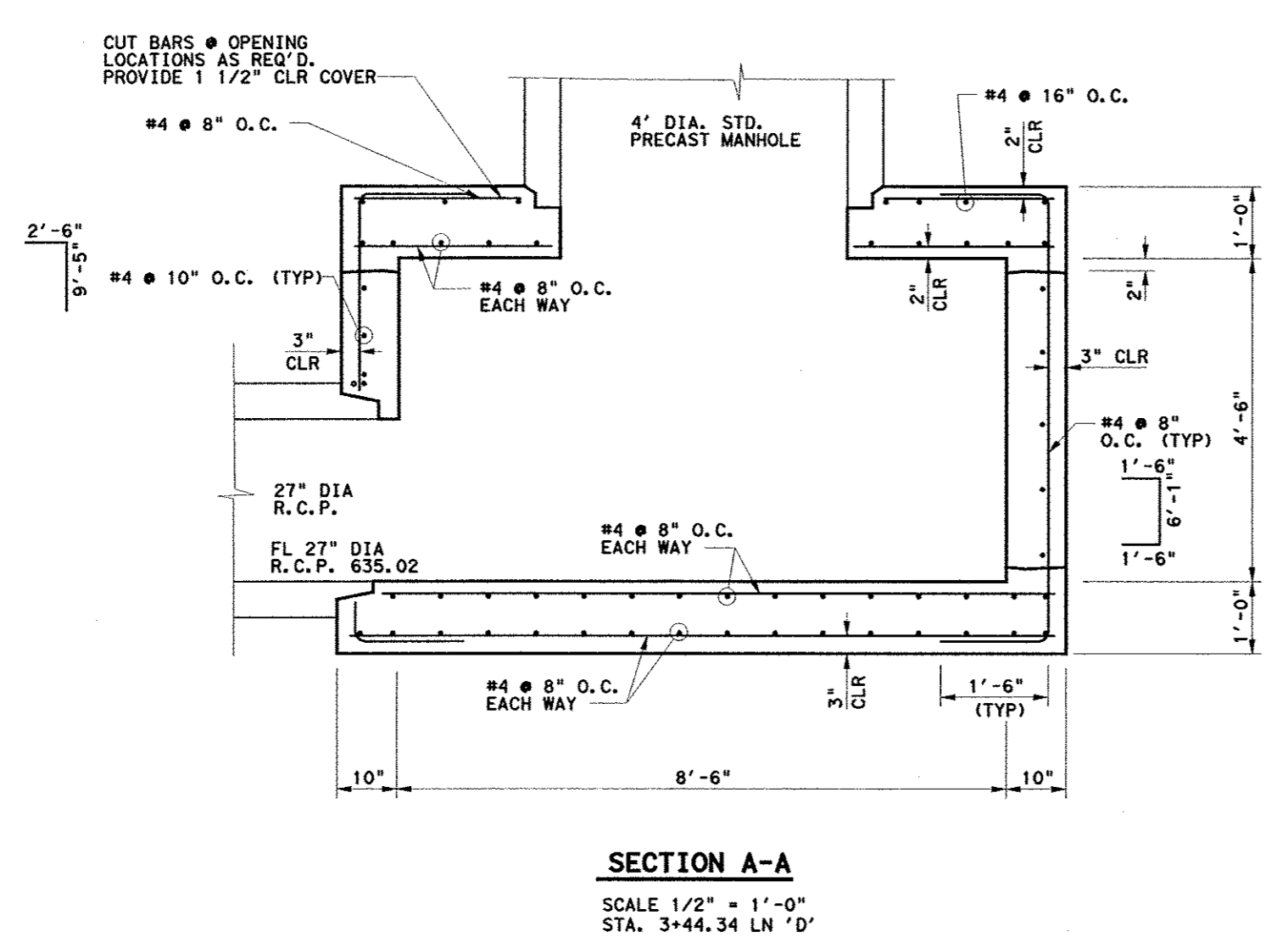
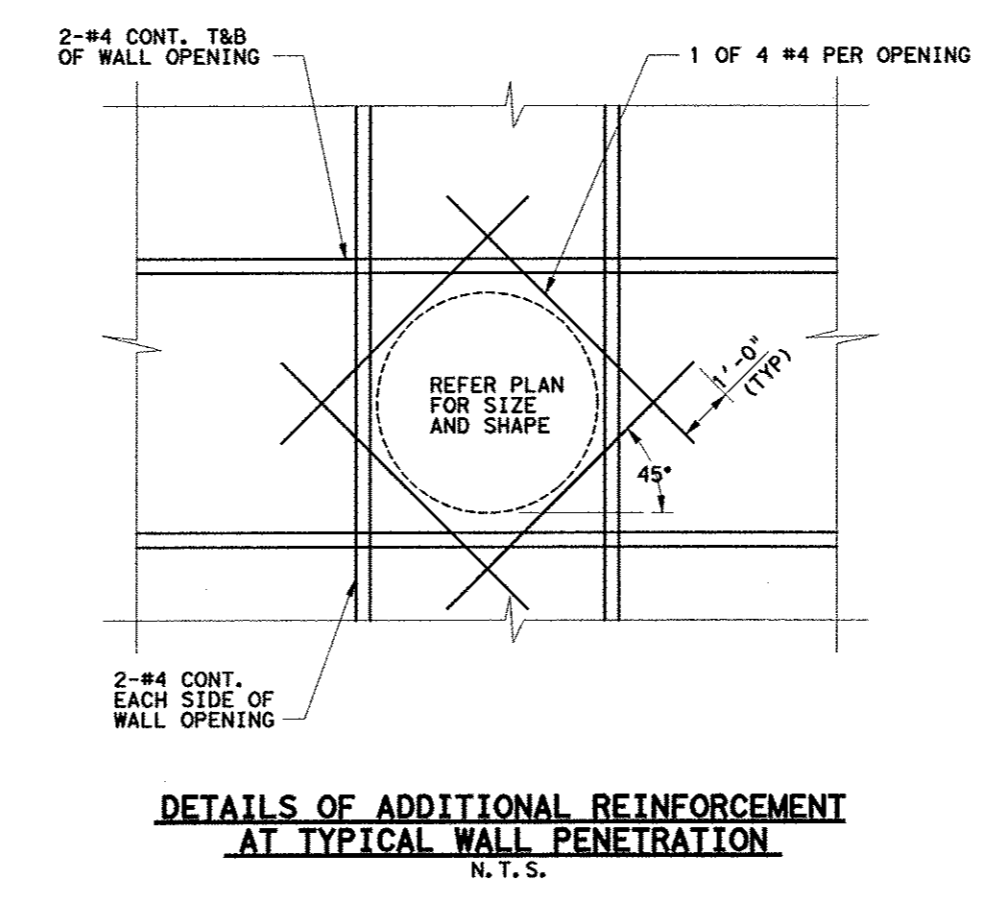
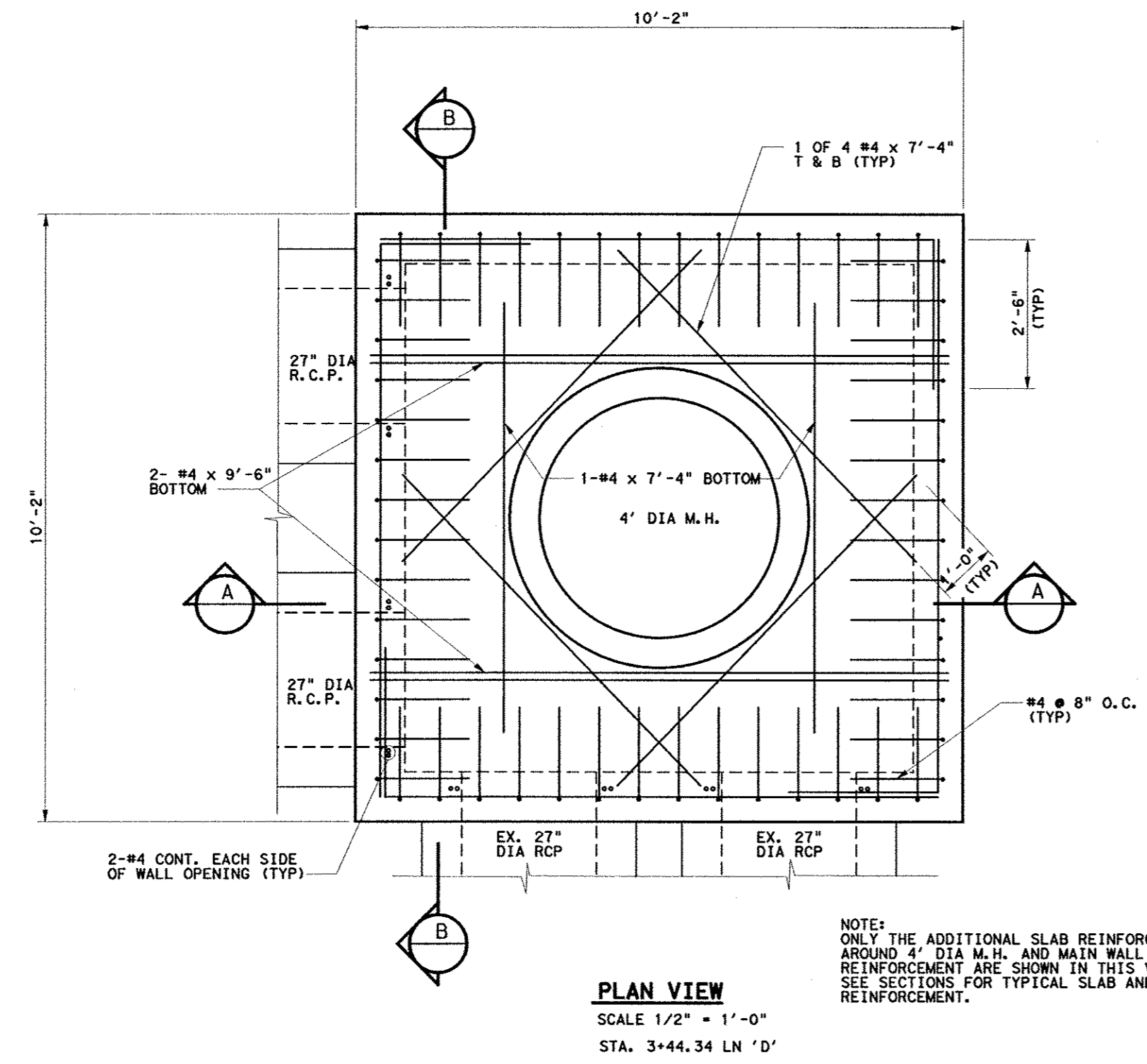


SECTION A-A
SCALE 1/2" = 1'-0"
STA. 0+00 LN 'E'



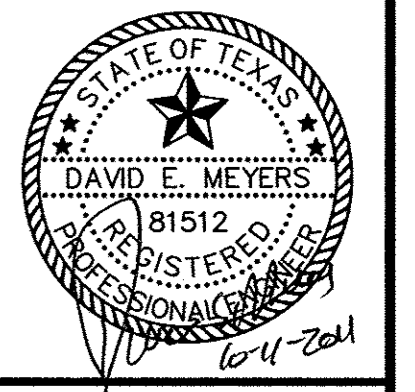
SECTION B-B
SCALE 1/2" = 1'-0"
STA. 0+00 LN 'E'

NOTE: SEE SHEET C15 FOR GENERAL NOTES.



Kimley-Horn and Associates, Inc.
1001 W. 14th Street, Suite 200
Fort Worth, TX 76102
Tel: 817-335-7700
Fax: 817-335-7701

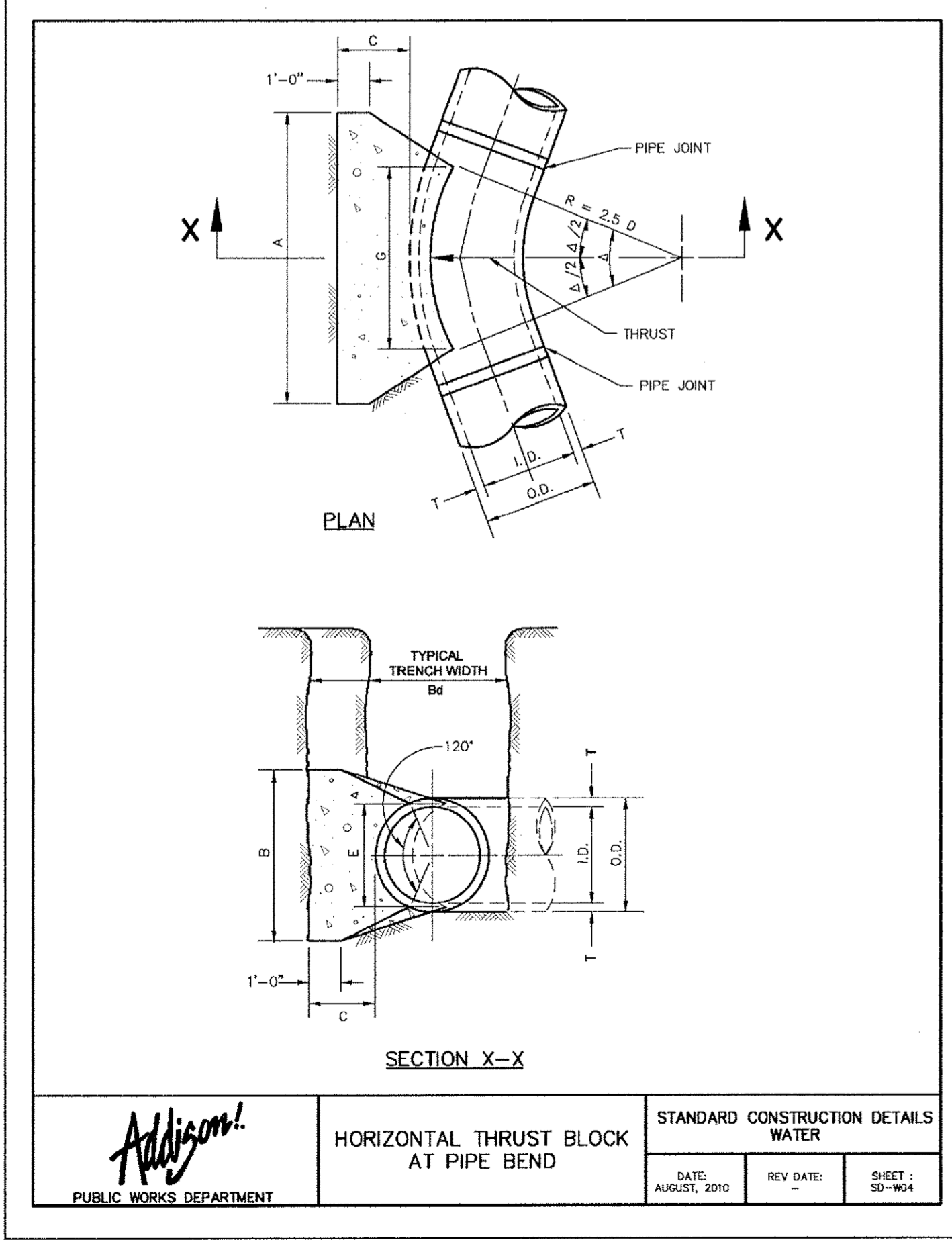
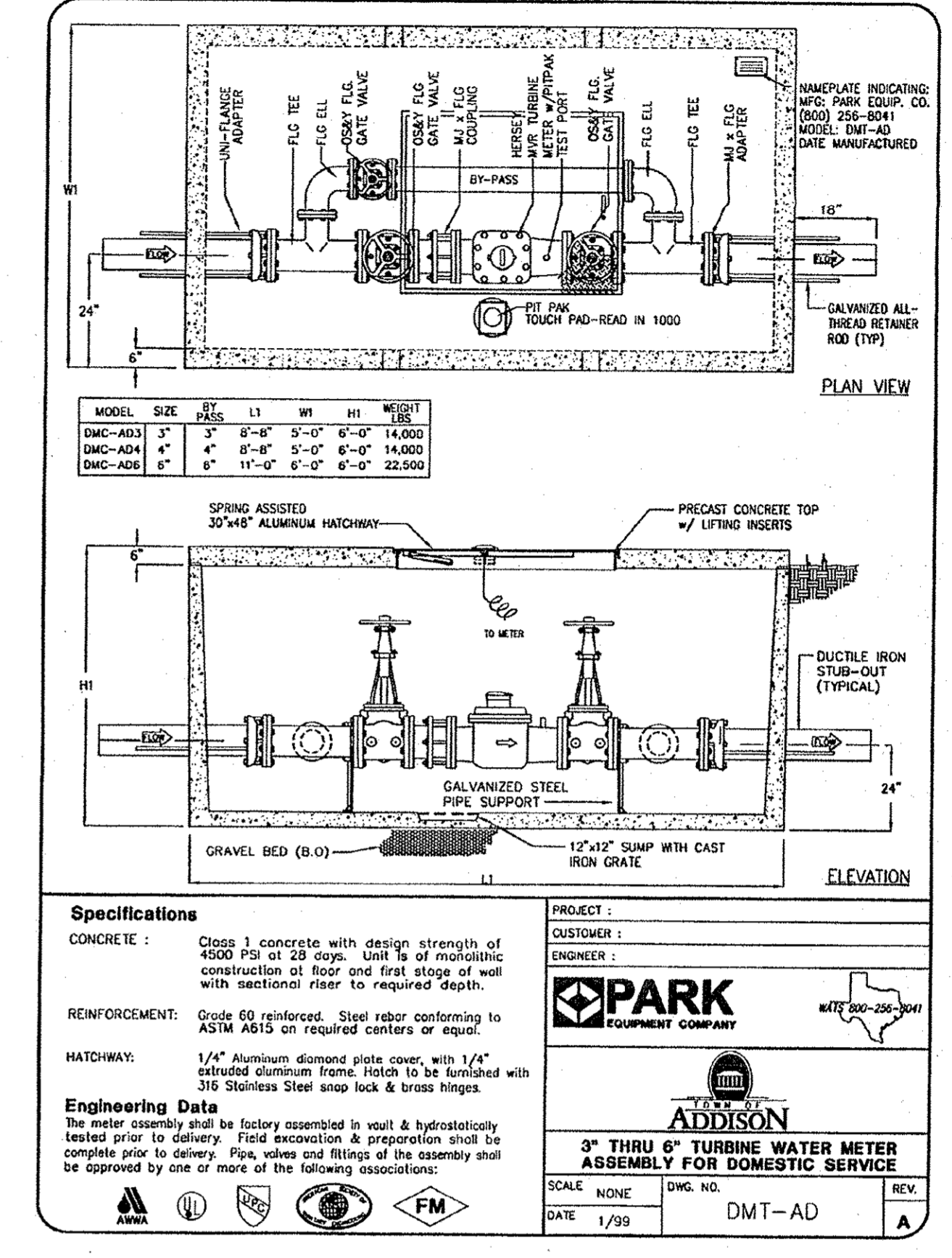
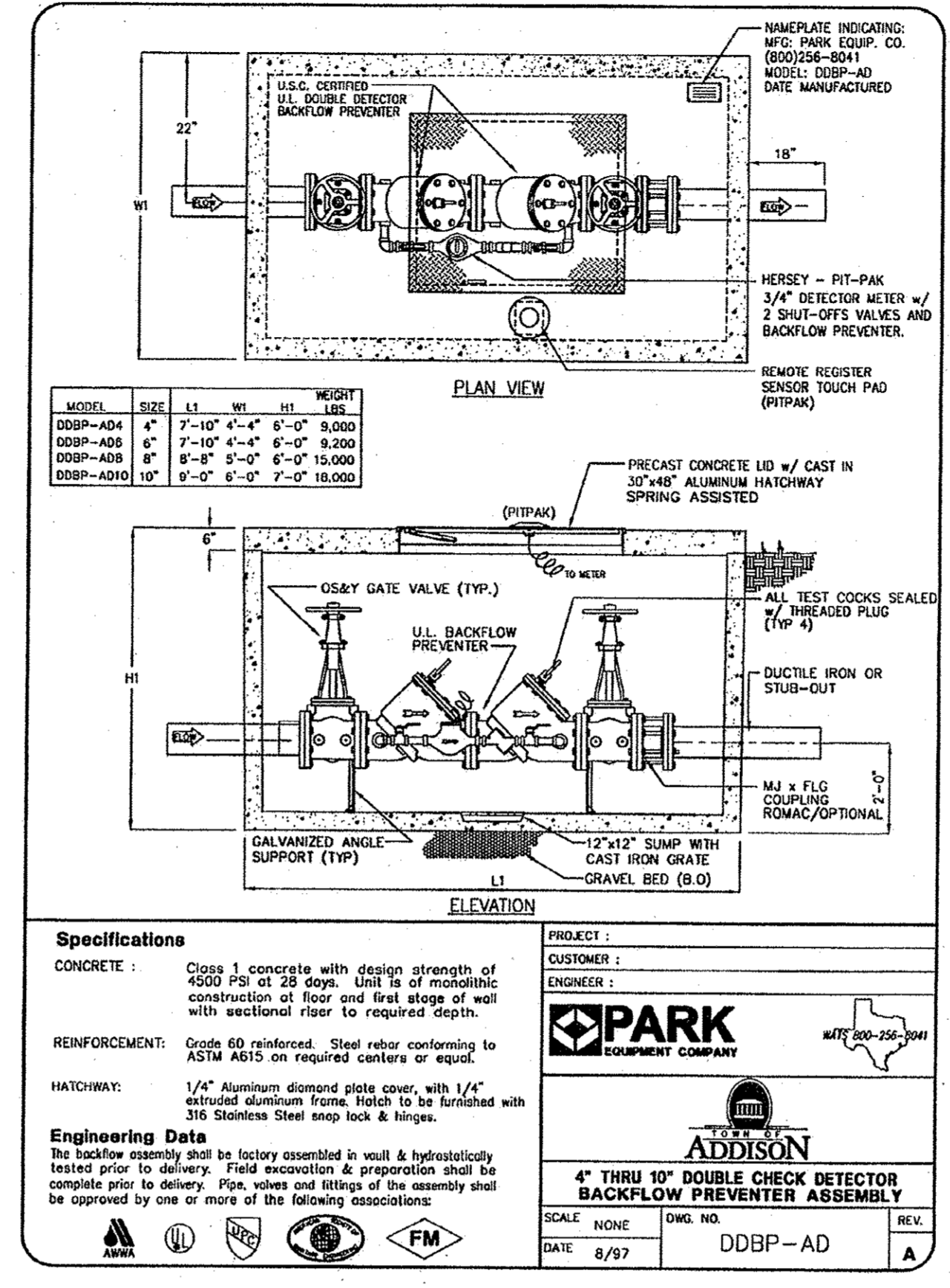
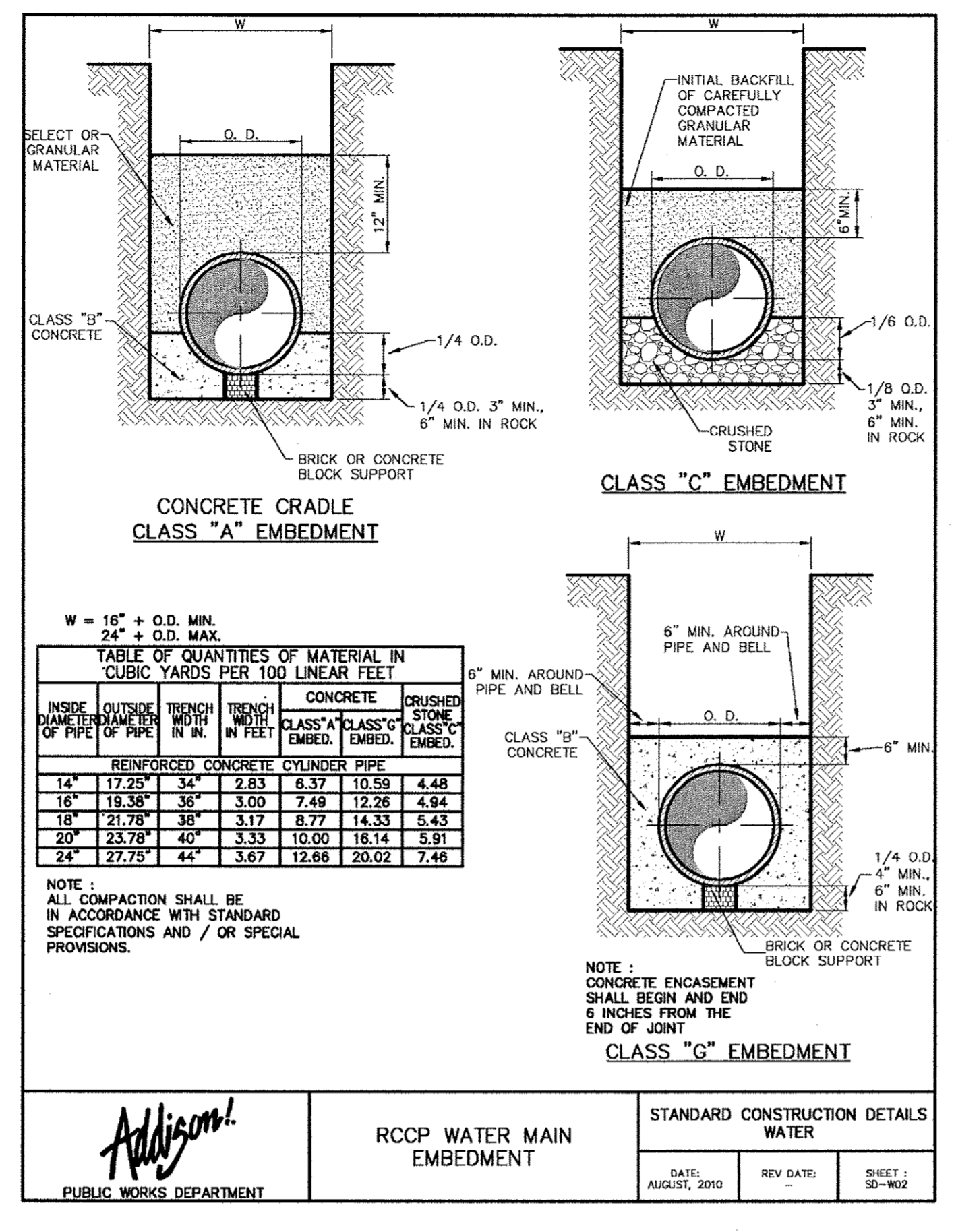
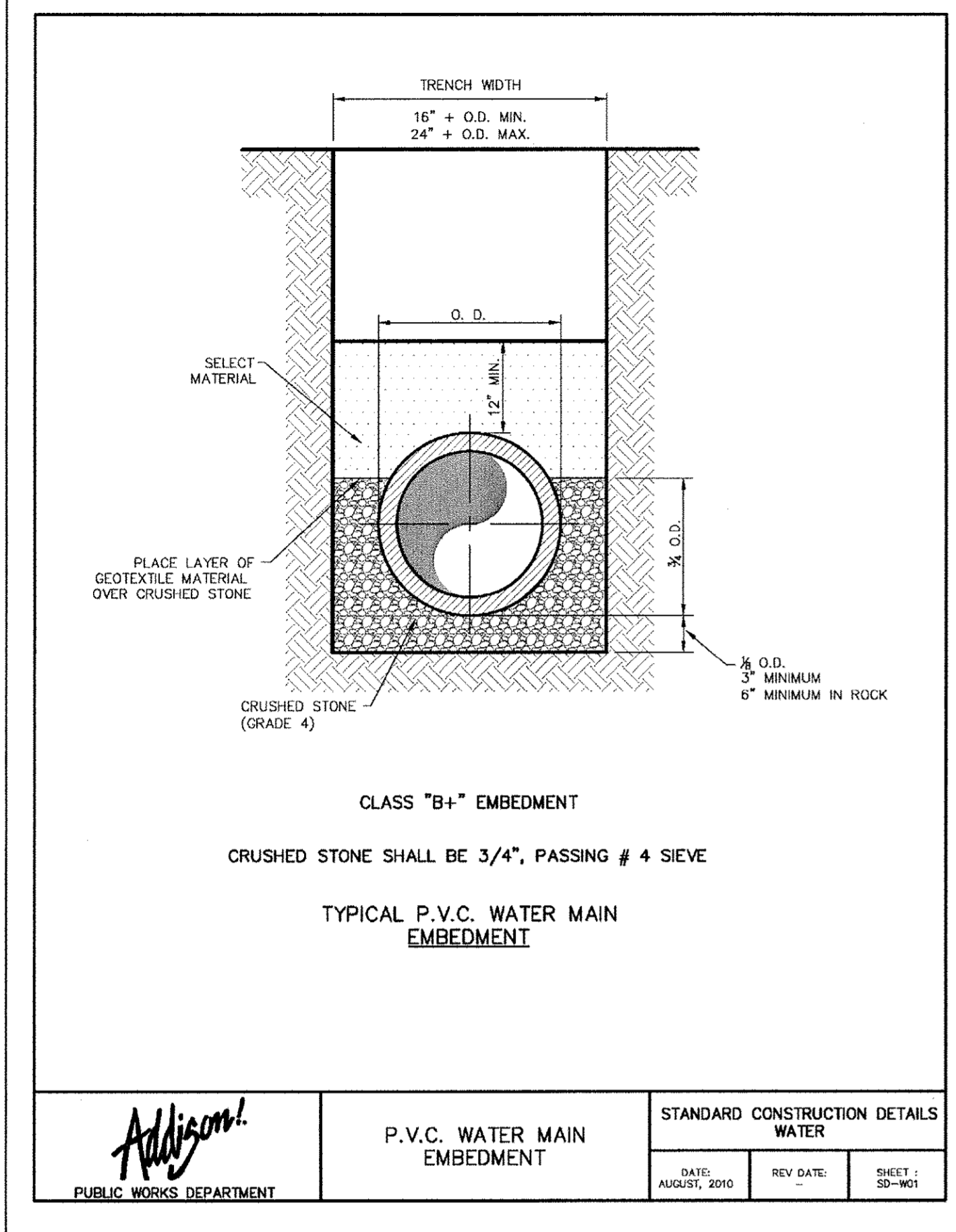
No.	Revision	Date



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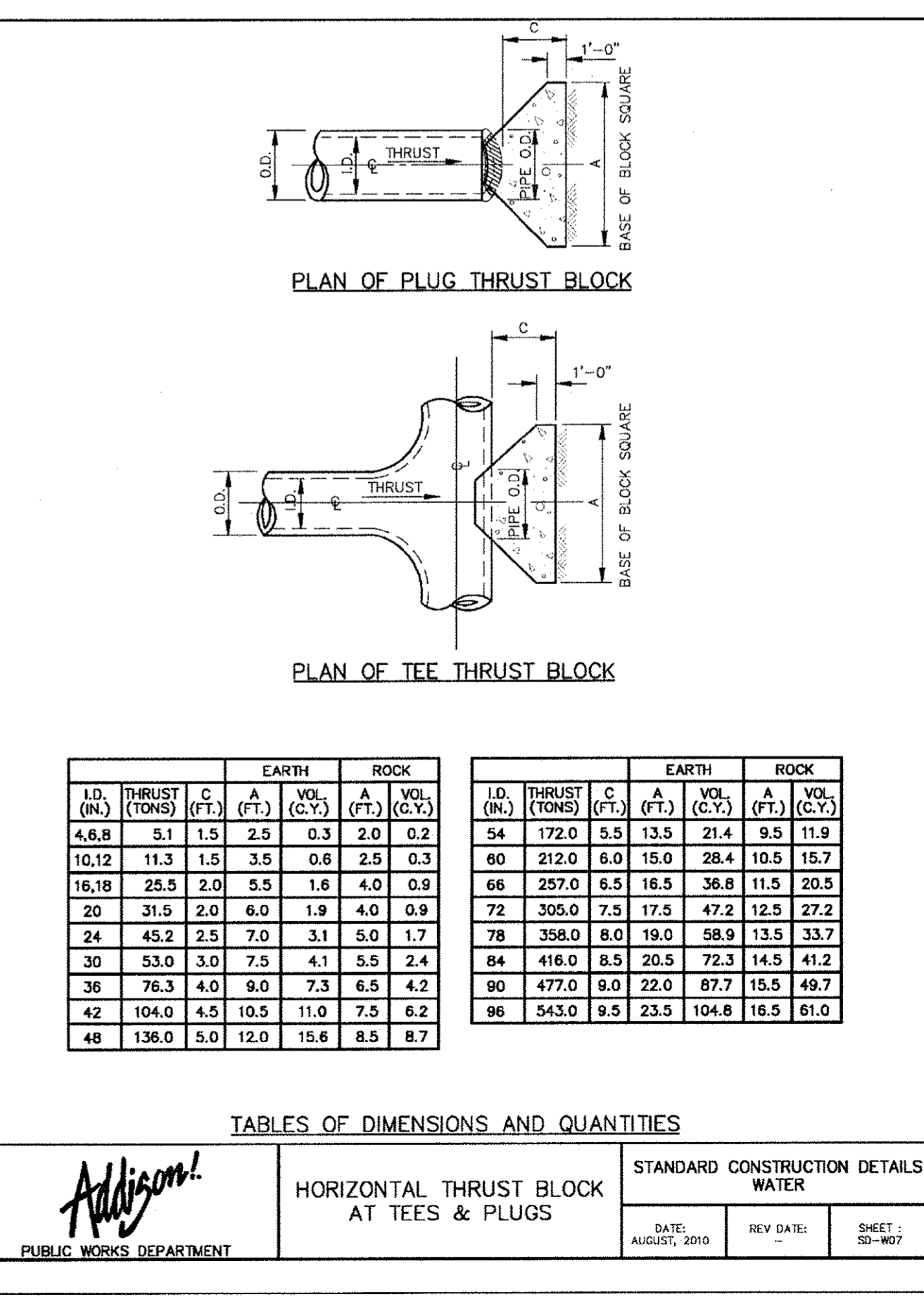
JUNCTION STRUCTURE DETAILS

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I.D. (IN.)	G THRU (FT.)	EARTH				ROCK			
		A (FT.)	B (FT.)	C (FT.)	D (FT.)	A (FT.)	B (FT.)	C (FT.)	D (FT.)
4.6, 8	0.4	1.0	1.5	1.5	1.5	0.9			
10.12	0.5	1.5	1.5	1.5	1.2				
16.18	0.6	1.5	1.5	1.5	1.6				
20	0.7	1.5	1.5	1.5	1.8				
24	0.9	1.5	1.5	1.5	2.1				
30	2.9	1.5	1.9	2.6					
36	4.5	1.5	2.3	3.3					
42	5.0	1.8	2.6	3.8					
48	5.5	2.0	3.0	4.3					
54	6.0	2.3	3.4	4.8					
60	6.5	2.5	3.8	5.3					
66	6.8	2.8	4.1	5.7					
72	7.5	3.0	4.5	6.3					
78	7.5	3.5	4.9	6.7					
84	8.0	3.5	5.3	7.2					
90	8.5	3.8	5.6	7.7					
96	9.0	4.0	6.0	8.2					

I.D. (IN.)	G THRU (FT.)	EARTH				ROCK			
		A (FT.)	B (FT.)	C (FT.)	D (FT.)	A (FT.)	B (FT.)	C (FT.)	D (FT.)
4.6, 8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1	4.6, 8
10.12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2	10.12
16.18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.4	16.18
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5	20
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7	24
30	3.6	27.5	6.5	5.0	1.9	3.5	4.0	0.9	30
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6	36
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5	42
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7	48
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3	54
60	7.3	110.0	11.0	10.0	13.9	7.5	7.3	6.0	60
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	6.6	66
72	8.7	158.2	13.5	12.0	24.0	9.0	8.0	7.3	72
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	8.6	78
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	9.8	84
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	12.3	90
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	14.1	96



Kimley-Horn and Associates, Inc. Date: 8/26/11

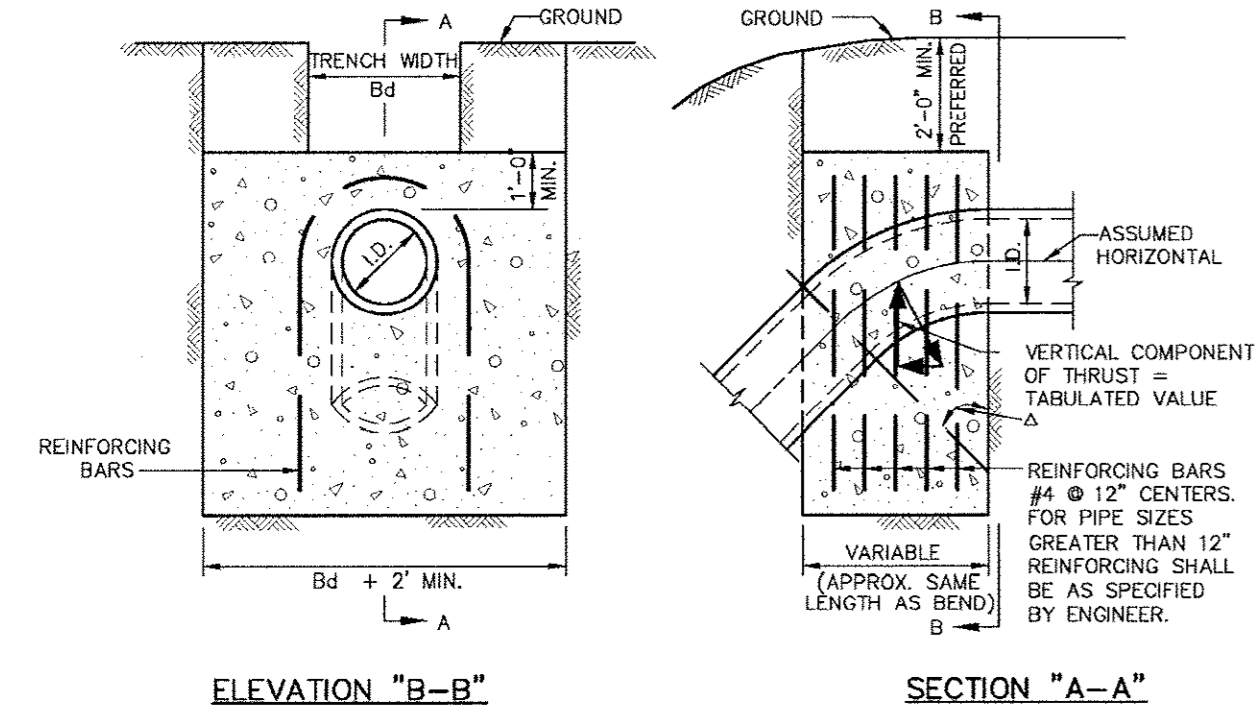
DAVID E. MEYERS, REGISTERED PROFESSIONAL ENGINEER

Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

WATER DETAILS

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 064-362003
CITY NO.:

SHEET C21



A	11.25'		22.50'		30'		45'		67.50'		90'		I.D. (IN.)
	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	
4.6, 8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4.6, 8
10, 12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10, 12
16, 18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16, 18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	48.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	78.4	38.2	36
42	20.3	10.1	38.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.8	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	99.2	48.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.8	29.8	117.0	58.4	153.0	76.3	215.0	108.0	282.0	141.0	305.0	153.0	72
78	69.0	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	416.0	208.0	446.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	168.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

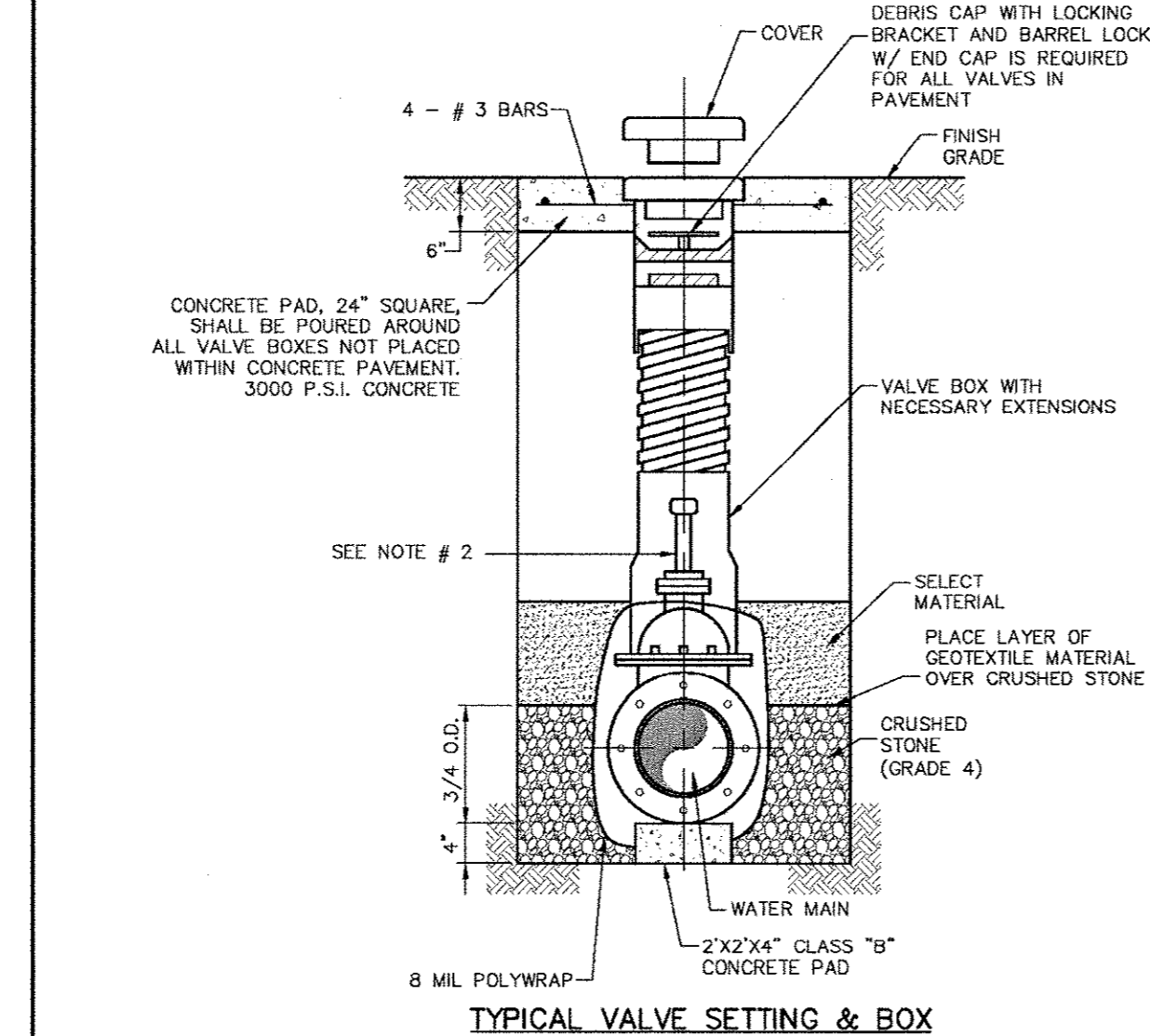
VERTICAL THRUST BLOCK

Addison!
PUBLIC WORKS DEPARTMENT

VERTICAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-108



TYPICAL VALVE SETTING & BOX

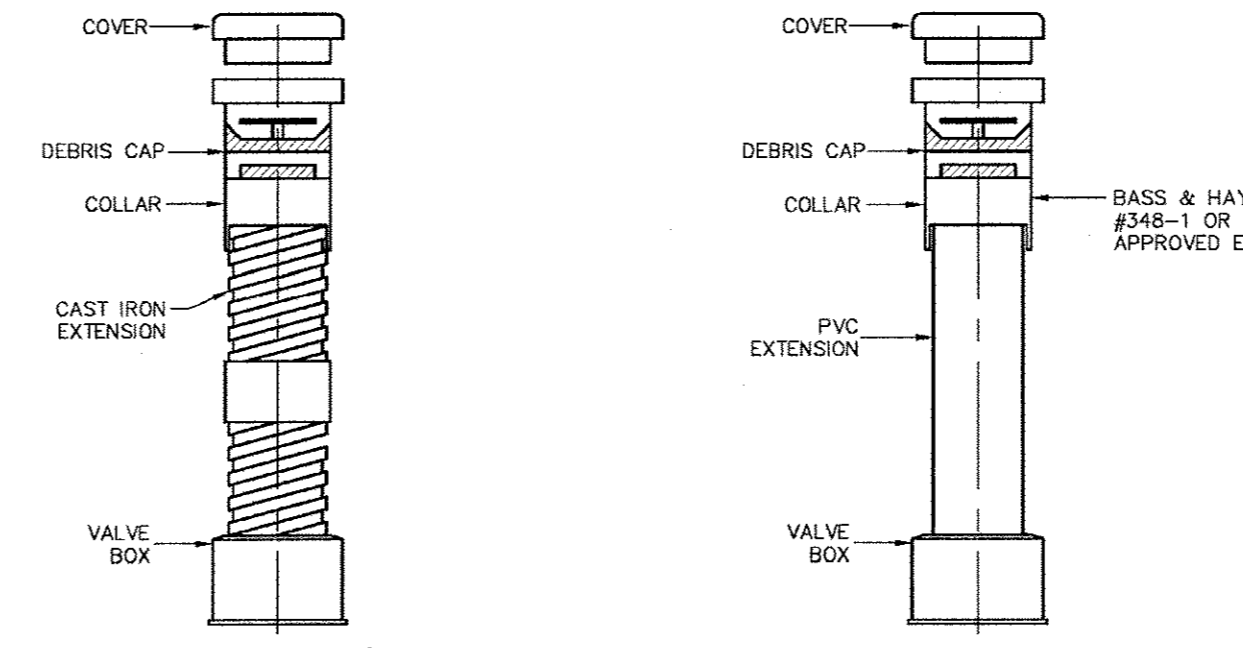
NOTE:
 1. 4"-12" R.S. GATE VALVES SHALL BE IN ACCORDANCE WITH TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.
 2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHERE THE OPERATING NUT IS LOCATED IN EXCESS OF 5 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 5 FEET OF VALVE BOX LID.
 3. BLUE "V" (3") CUT INTO FACE OF NEAREST CURB AND POINTING TOWARD THE VALVE.
 4. ALL IRON MATERIALS SHALL BE DOMESTIC (MADE IN USA).
 5. CRUSHED STONE SHALL BE 3/4", PASSING #4 SIEVE.

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PUBLIC WORKS DEPARTMENT

VALVE SETTING BOX

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-109



FOR BURY HEIGHT 5' OR LESS
FOR BURY HEIGHT GREATER THAN 5'

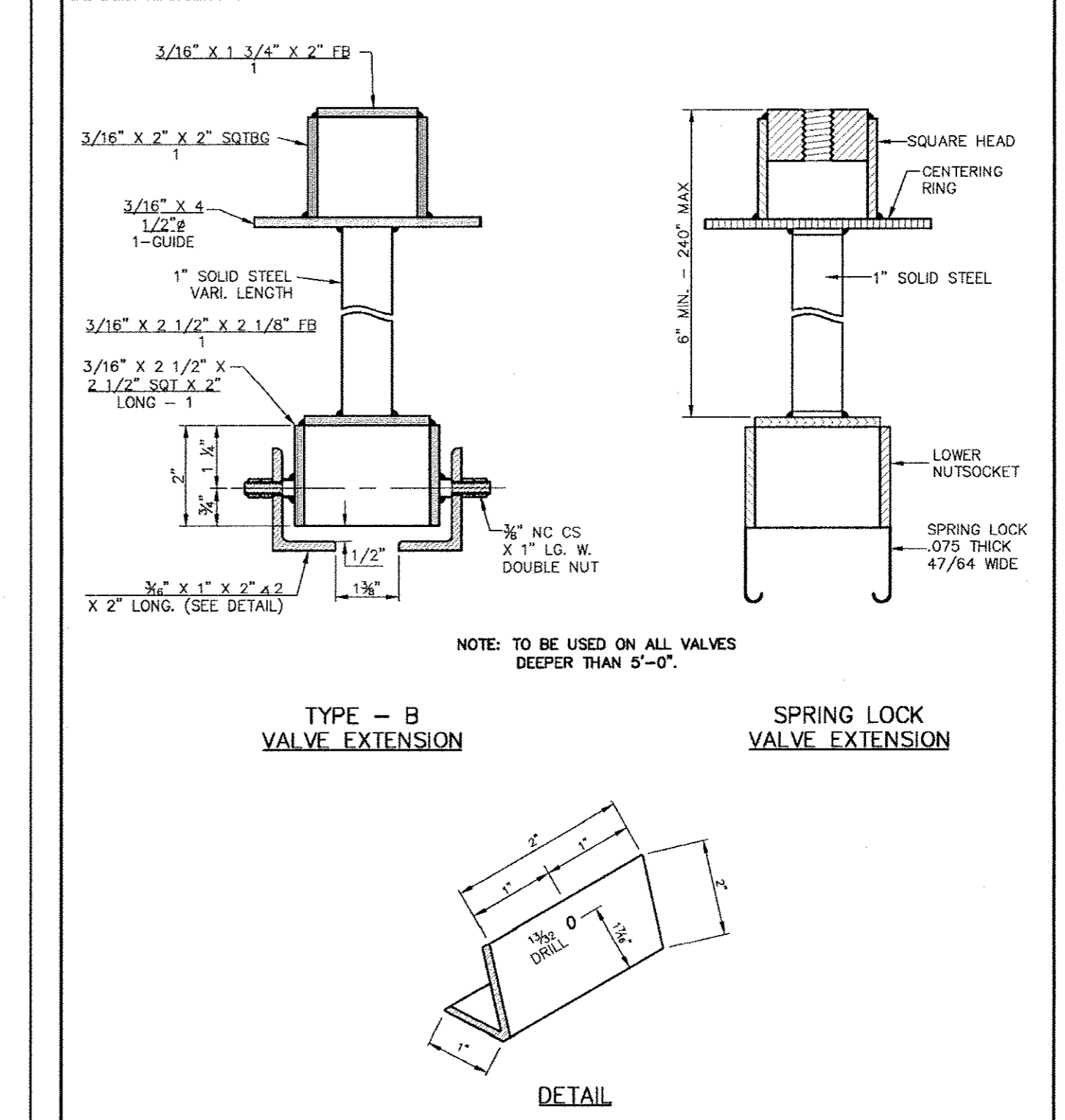
NOTE
 1. ALL CAST IRON FITTINGS SHALL BE DOMESTIC (MADE IN U.S.A.)
 2. VALVE BOXES SHALL BE PROVIDED FOR BURIED VALVES. THESE BOXES SHALL BE THREE (3) PIECE SCREW TYPE CAST IRON OF THE EXTENSION TYPE AND SHALL BE BASS & HAYS THREE (3) PIECE ADJUSTABLE SCREW TYPE, EAST JORDAN IRON WORKS 8560 W/ 6800 LID, MUELLER NO. H-10360 OR APPROVED EQUAL. THE THREE (3) PIECES SHALL CONSIST OF THE TOP SECTION, BOTTOM SECTION AND COVER.

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PUBLIC WORKS DEPARTMENT

VALVE BOX WITH EXTENSION

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-110



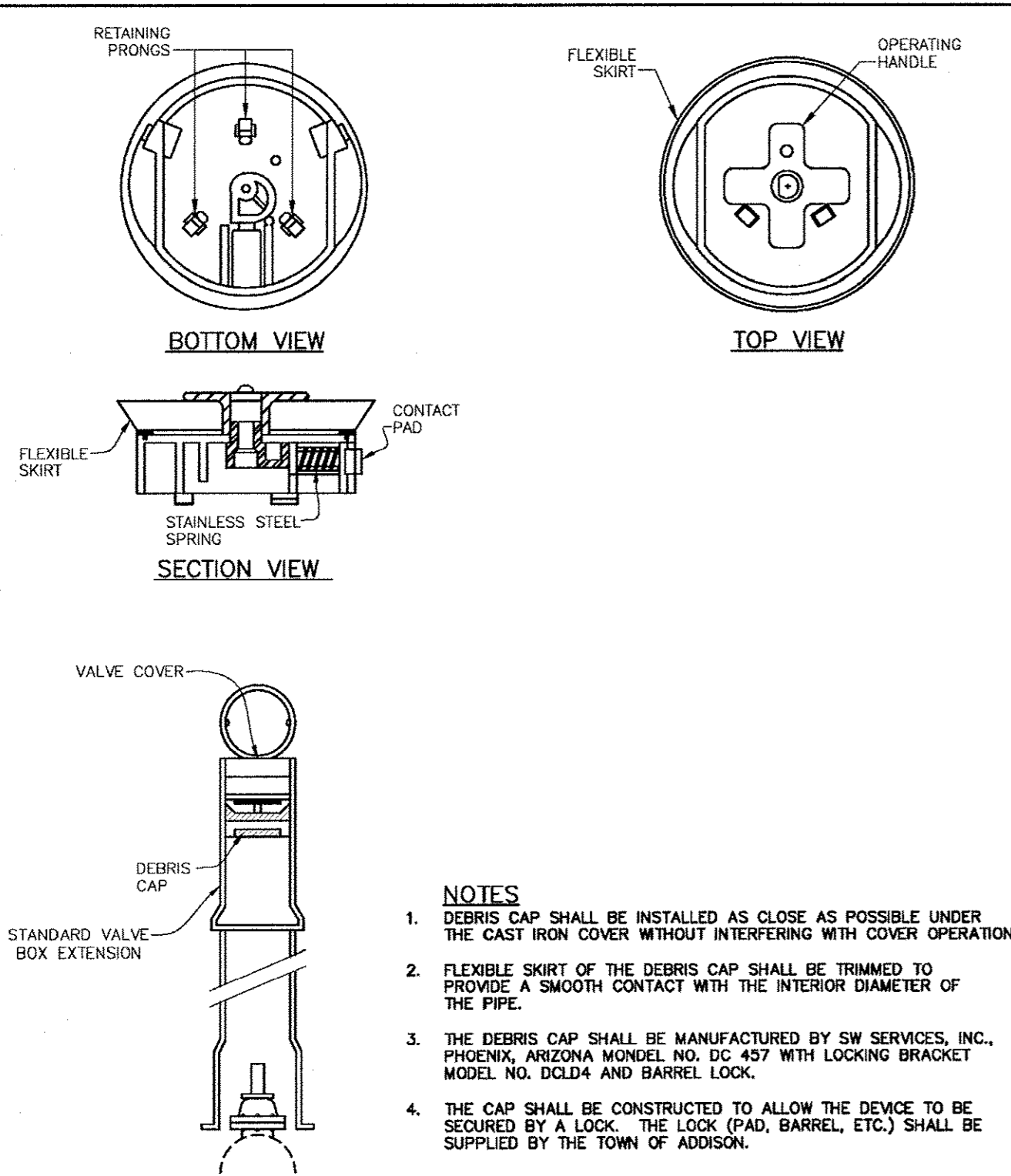
Addison!
PUBLIC WORKS DEPARTMENT

TYPE - B VALVE EXTENSION

SPRING LOCK VALVE EXTENSION

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-111

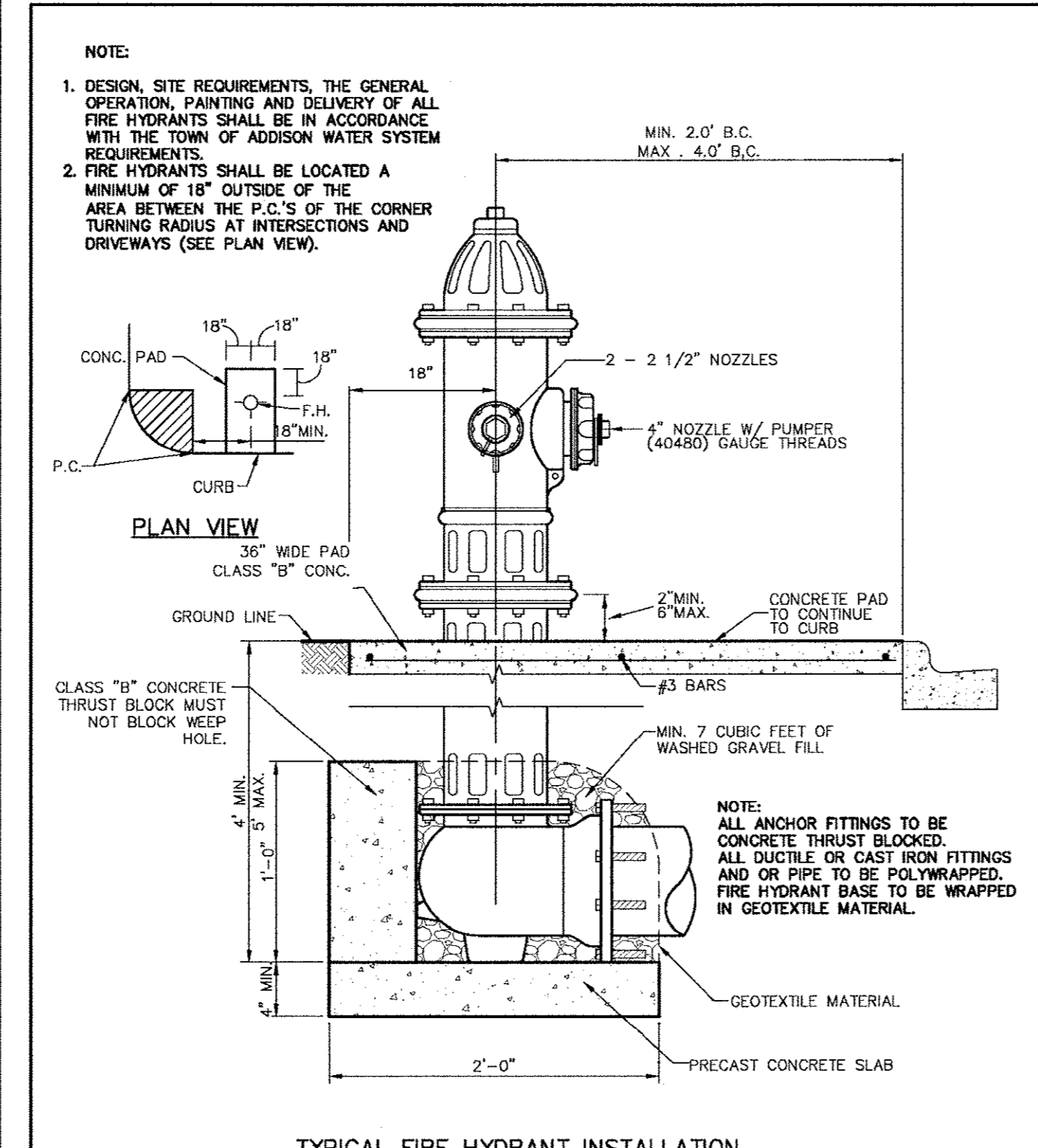


Addison!
PUBLIC WORKS DEPARTMENT

DEBRIS CAP

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-112

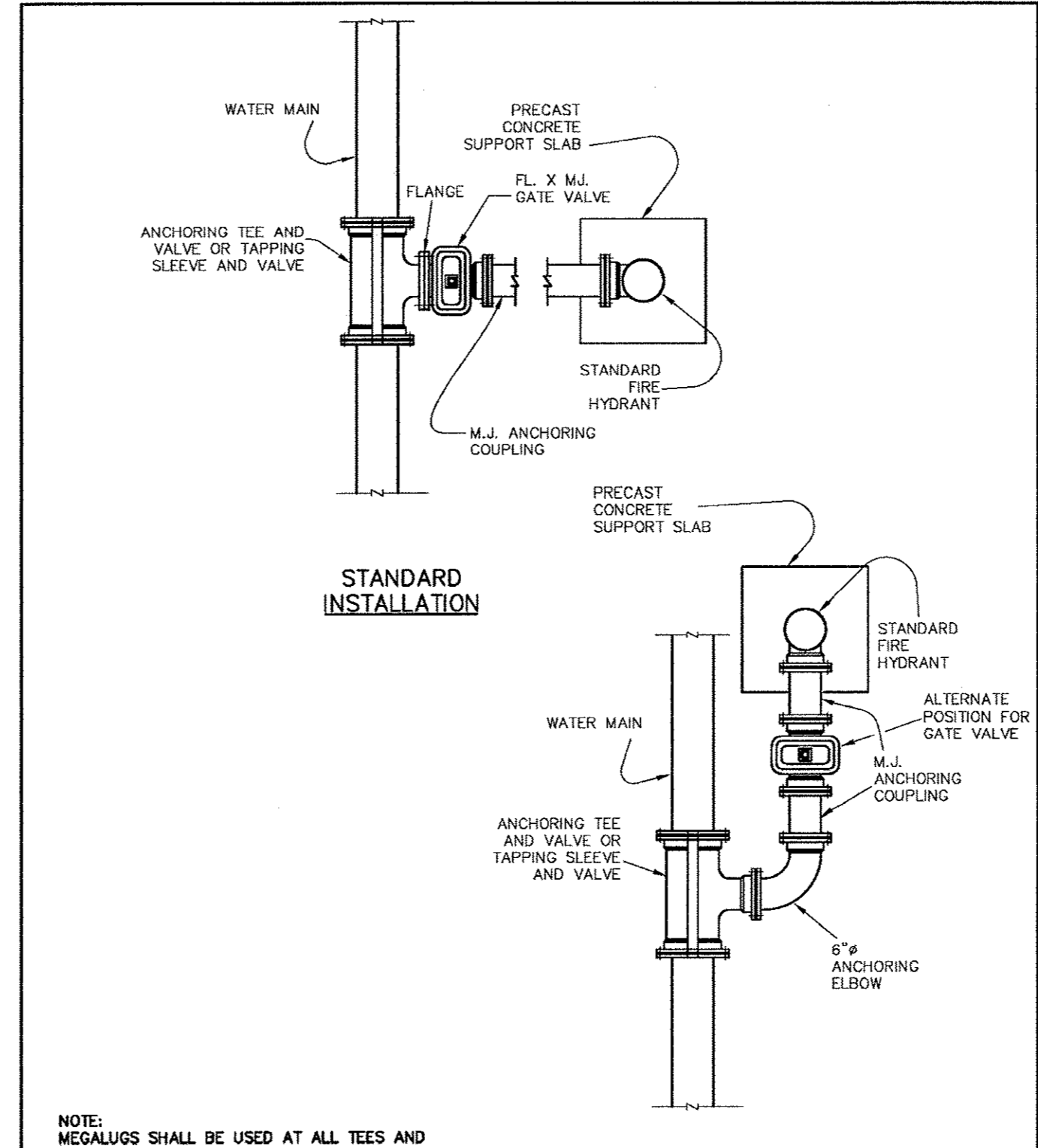


Addison!
PUBLIC WORKS DEPARTMENT

TYPICAL FIRE HYDRANT INSTALLATION

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-116

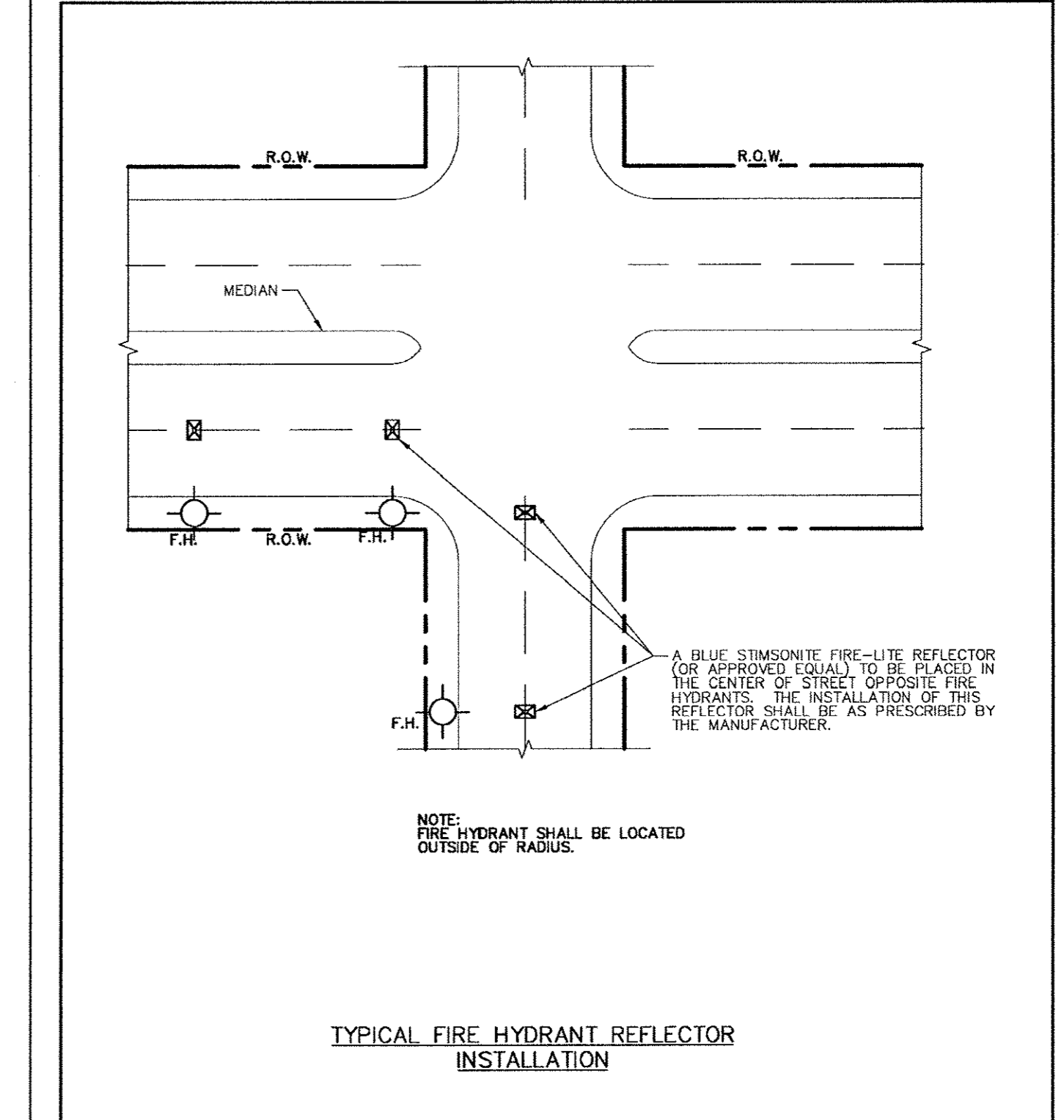


Addison!
PUBLIC WORKS DEPARTMENT

TYPICAL FIRE HYDRANT INSTALLATION

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-117



Addison!
PUBLIC WORKS DEPARTMENT

FIRE HYDRANT REFLECTOR INSTALLATION

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-119

Kimley-Horn and Associates, Inc.
 2700 Park Center Drive, Suite 800
 Dallas, TX 75244
 Phone: (972) 770-8800
 Fax: (972) 770-8801

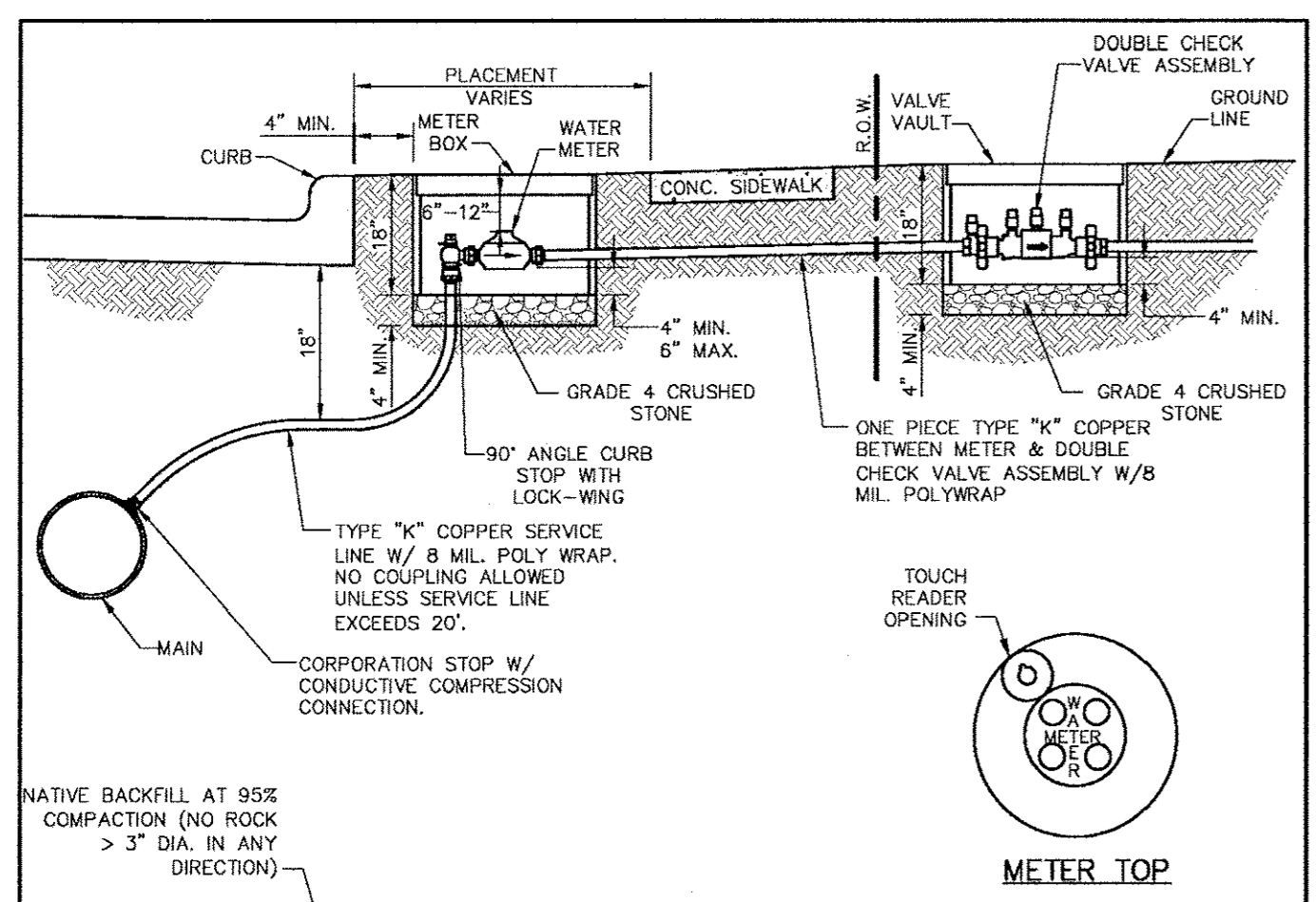
STATE OF TEXAS
 DAVID E. MEYERS
 81512
 RESIDENT ENGINEER
 EXPIRES 08/31/11

Keller Springs Lofts
 Loft Apartments in Addison
 Town of Addison, Texas

WATER DETAILS

DATE: OCTOBER 11, 2011
 DESIGN: KHA
 DRAWN: KHA
 CHECKED: KHA
 KHA NO.: 06-4-362003
 CITY NO.:

SHEET
C22



GENERAL INSTALLATION NOTES:

1. WATER METER SHALL BE PLACED IN CENTER OF LOT WITH THE SANITARY SEWER SERVICE TO BE LOCATED 10' DOWNSTREAM.
2. METER AND BOX SHALL BE SET BY THE CONTRACTOR TO ADDISON STANDARDS IN ALL CASES.
3. THE METER BOX SHALL BE SET WITHIN THE R.O.W. OR A DEDICATED UTILITY EASEMENT. IN ALL CASES, THE METER BOX SHALL BE PROTECTED FROM VEHICULAR TRAFFIC.
4. WATER SERVICES SHALL NOT BE CONNECTED TO DEAD END LINES OR FIRE HYDRANT LEADS.
5. ALL MATERIALS SHALL CONFORM TO THE TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.

Type "K" Copper Service Pipe.	Double Strap Bronze Service Saddle with C.C. Threads	East Jordan Iron Works Galvanized Meter Box With Iron Ring & Cover				
		Min. Dia.	Covers & Rings	Min. Ht.	Min. Con Weight	Min. Total Weight
3/4 inch	3/4 inch	18 inches	12 3/4 inches	18 inches	13 lbs.	42 lbs.
1 inch	1 inch	24 inches	20 1/2 inches	18 inches	17 lbs.	98 lbs.
1 1/2 inch	1 1/2 inch	28 inches	20 1/2 inches	18 inches	20 lbs.	127 lbs.
2 inch	2 inch	28 inches	20 1/2 inches	18 inches	20 lbs.	127 lbs.

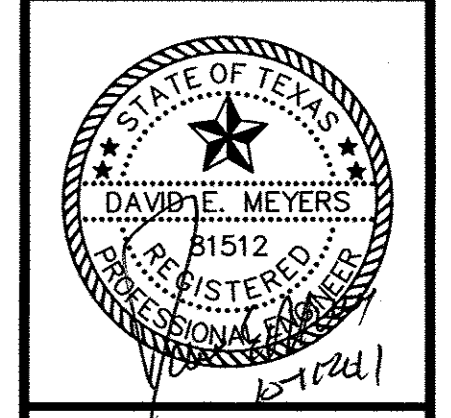
Service Connection with Meter Box

DATE: AUGUST, 2010 REV DATE: SHEET: 50-1000

ADDISON!
PUBLIC WORKS DEPARTMENT

Kimley-Horn and Associates, Inc.
2700 West Central Expressway, Suite 800
Ft. Worth, TX 76107
Tel: 817.335.1200
Fax: 817.335.1201

Revision: 1 REVISD TOWN DETAILS
Date: 8/26/11

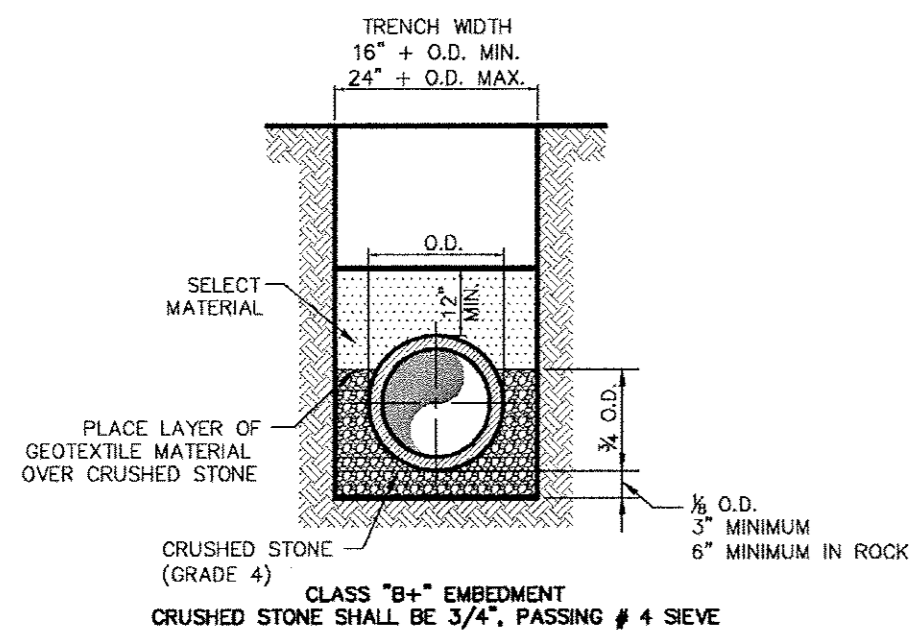


Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

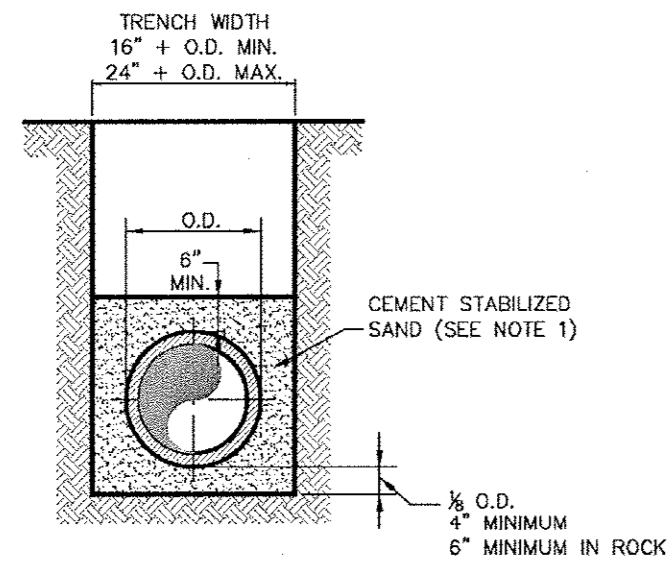
WATER DETAILS

DATE:	OCTOBER 11, 2011
DESIGN:	KHA
DRAWN:	KHA
CHECKED:	KHA
KHA NO.:	06-4362003
CITY NO.:	

SHEET
C22a



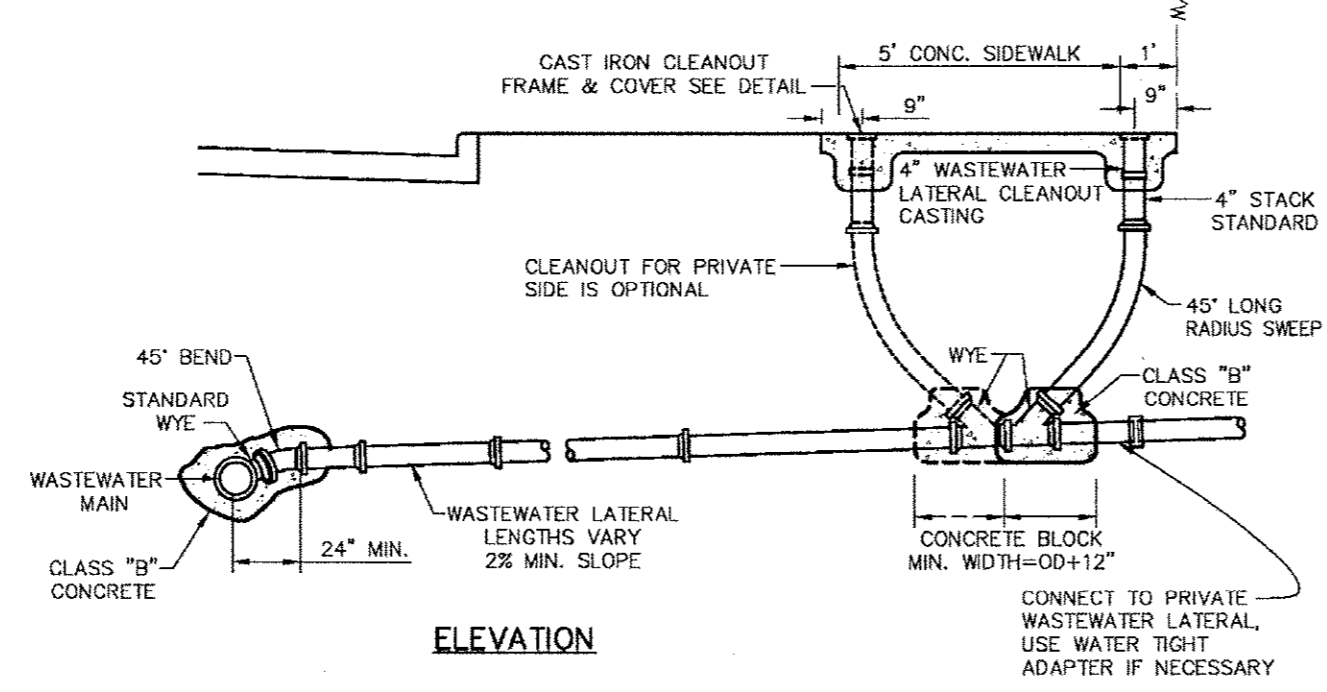
TYPICAL P.V.C. WASTEWATER MAIN EMBEDMENT



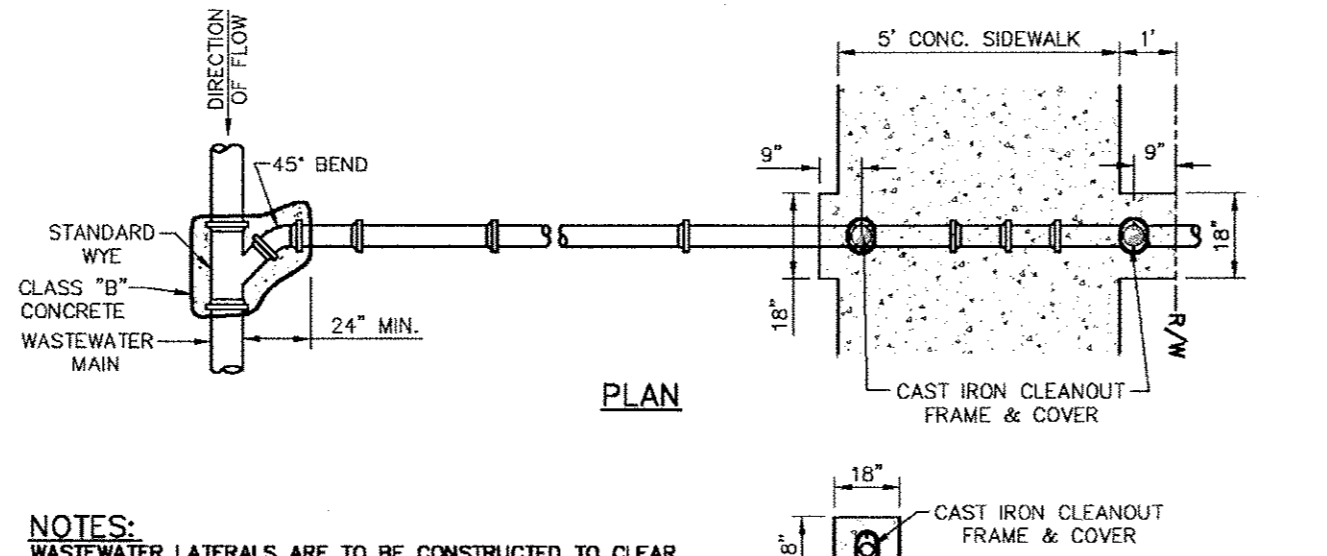
P.V.C. WASTEWATER MAIN CEMENT STABILIZED SAND EMBEDMENT

NOTE:
1. CEMENT STABILIZED SAND SHALL HAVE A MINIMUM OF 10% CEMENT PER CUBIC YARD OF CEMENT STABILIZED SAND MIXTURE, BASED ON LOOSE DRY WEIGHT VOLUME (AT LEAST 2.5 BAGS OF CEMENT PER CUBIC YARD OF MIXTURE). THE USE OF BROWN COLORING IN CEMENT STABILIZED SAND IS REQUIRED FOR PRESSURE RATED WASTEWATER MAIN AND LATERAL BEDDING.

 PUBLIC WORKS DEPARTMENT	P.V.C. WASTEWATER MAIN EMBEDMENT	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE:	SHEET: 30-WW03



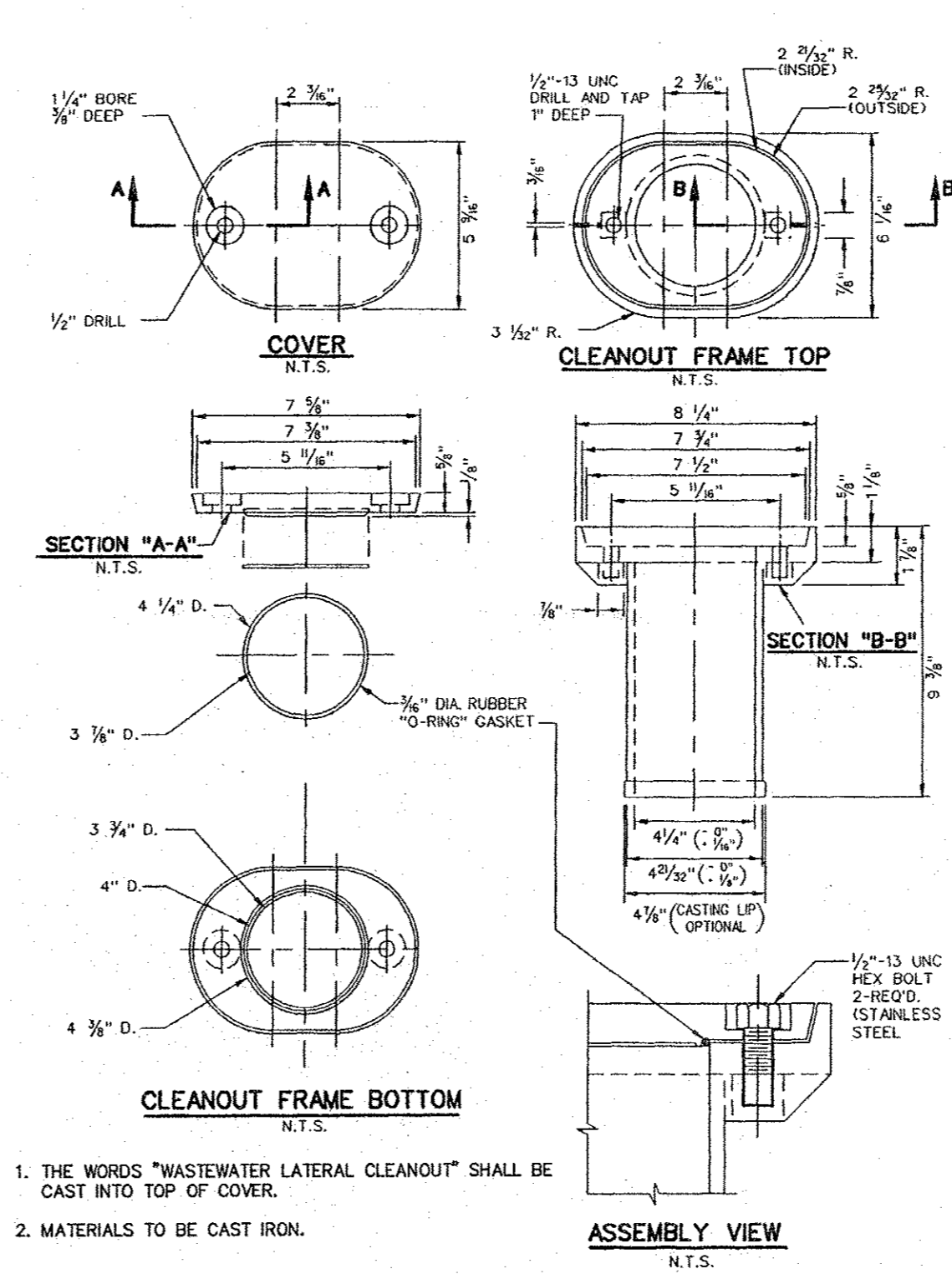
ELEVATION



PLAN

NOTES:
1. WASTEWATER LATERALS ARE TO BE CONSTRUCTED TO CLEAR EXISTING AND PROPOSED FACILITIES, SUCH AS STORM DRAIN MAINS, RETAINING WALLS, OTHER UTILITIES, ETC.
2. THE WASTEWATER LATERAL SHALL HAVE MINIMUM COVER OF 4'-0" BELOW THE PROPOSED CURB GRADE AT THE PROPERTY LINE, DETERMINED FROM PAVING GRADE, OR AS REQUIRED TO MAINTAIN A MINIMUM OF 2.0% GRADE, OR AS DIRECTED BY THE OWNER.

 PUBLIC WORKS DEPARTMENT	TWO-WAY CLEANOUT NEW CONSTRUCTION	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE:	SHEET: 30-WW02



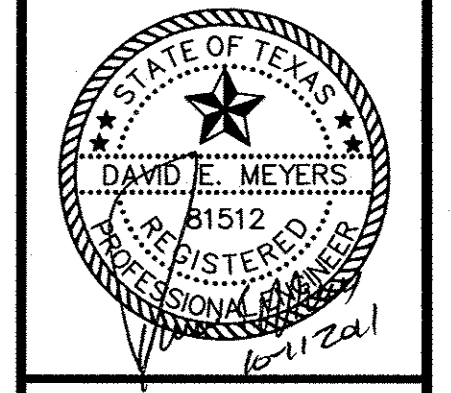
 PUBLIC WORKS DEPARTMENT	CAST IRON CLEANOUT FRAME & COVER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE:	SHEET: 30-WW03

Kimley-Horn and Associates, Inc.

100 W. Campbell Ave., Suite 800
Fort Worth, TX 76102
Phone: 817.335.4400
Fax: 817.335.4401

DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 06-4362003
CITY NO.:

REVISION: 1
REVISED TOWN DETAILS
DATE: 8/26/11

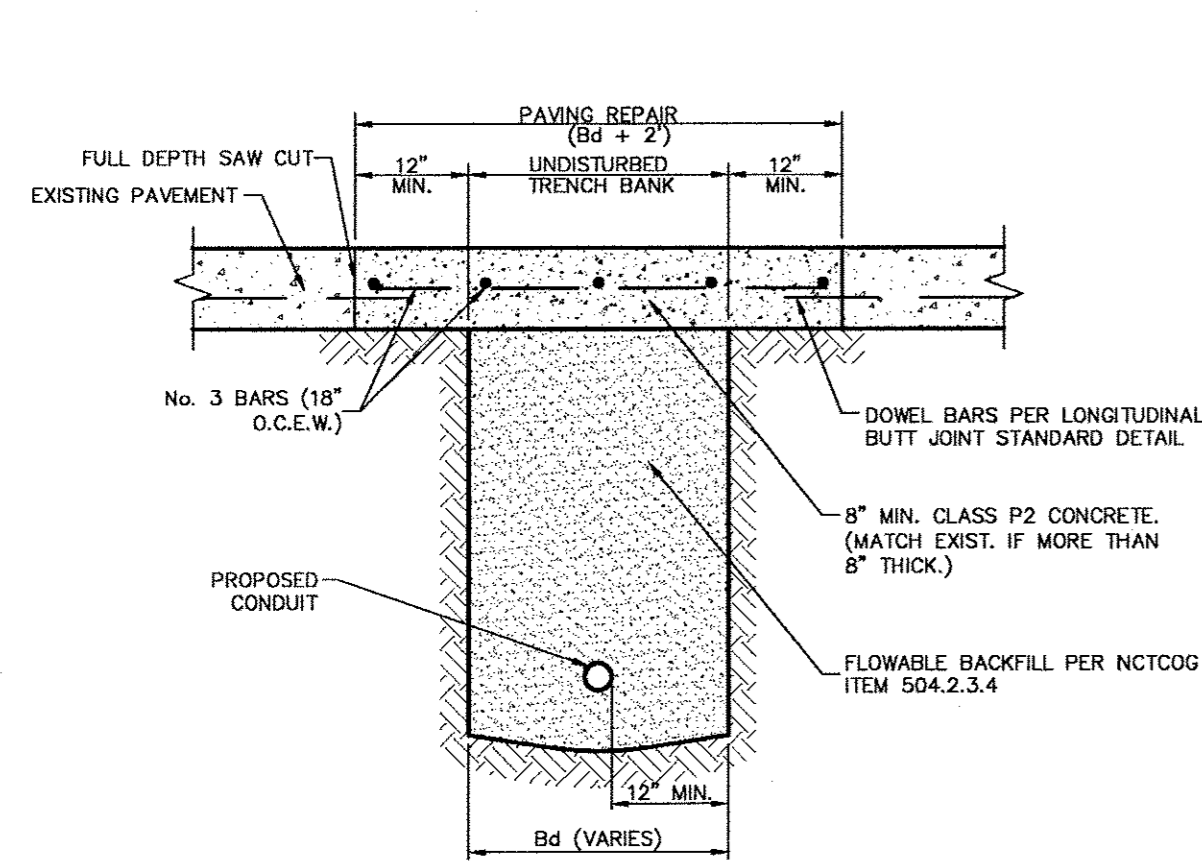


Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

WASTEWATER DETAILS

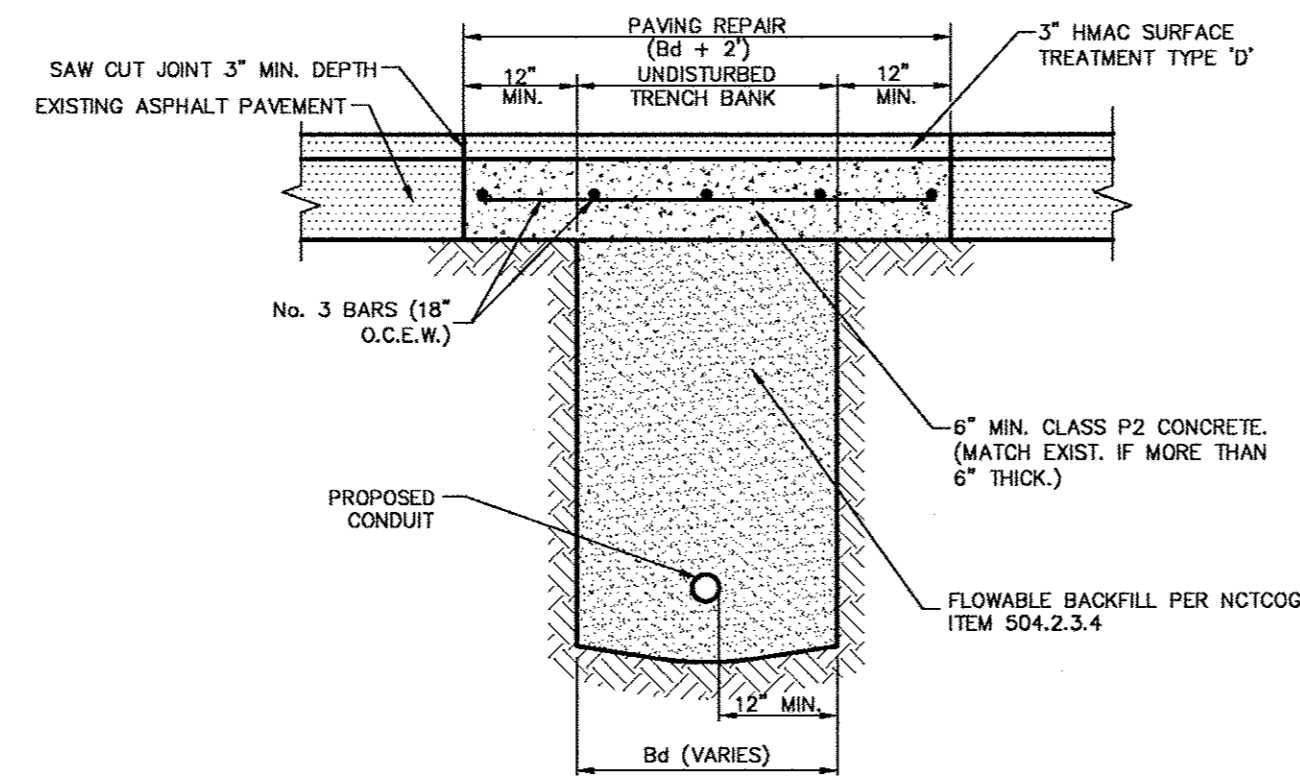
DATE: OCTOBER 11, 2011
DESIGN: KHA
DRAWN: KHA
CHECKED: KHA
KHA NO.: 06-4362003
CITY NO.:

SHEET
C23



- NOTES:**
1. REPAIRS SHALL EXTEND TO 1' BEYOND EACH SIDE OF TRENCH (Bd).
 2. REINFORCEMENT CHAIRS OR APPROVED DEVICE SHALL BE USED.
 3. REPAIRS SHALL MATCH EXISTING GRADE.

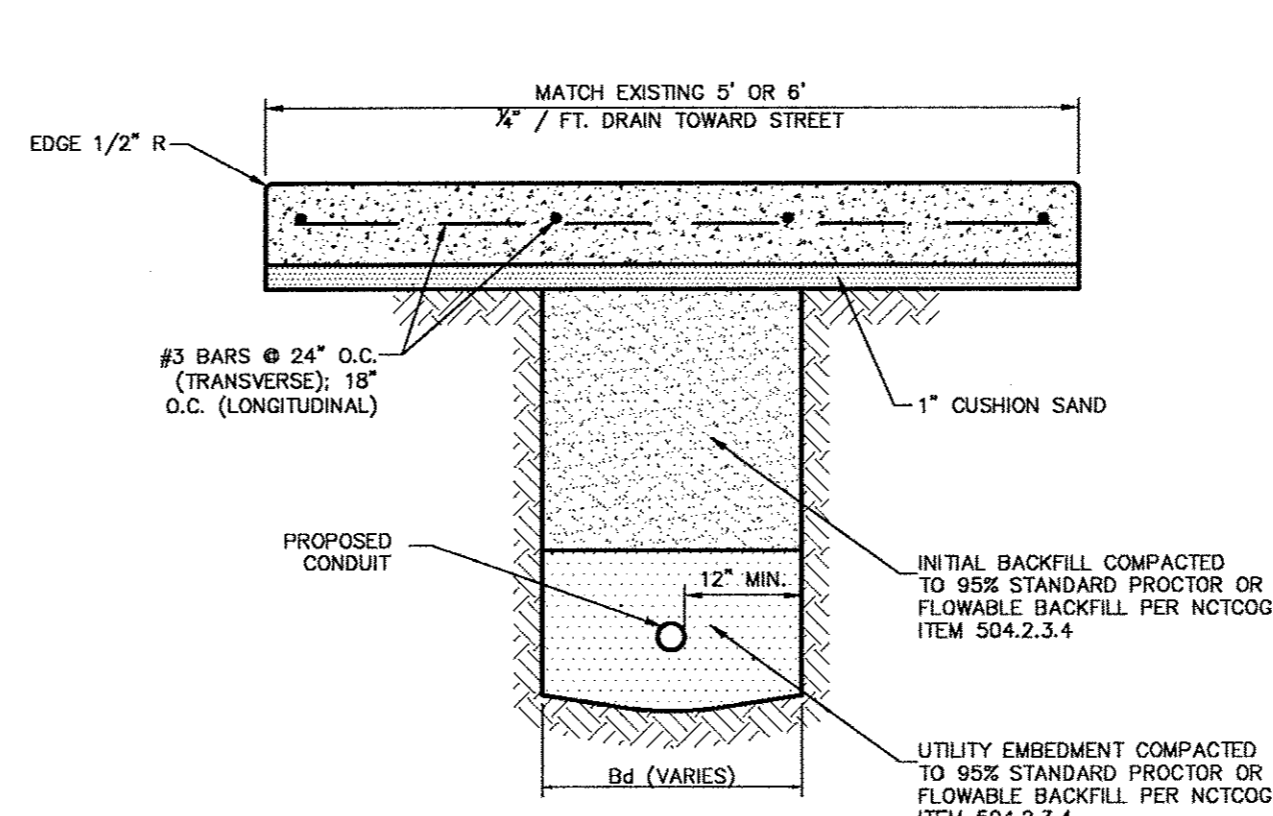
 PUBLIC WORKS DEPARTMENT	UTILITY INSTALLATION BENEATH CONCRETE ROAD SURFACE	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-100



- NOTES:**
1. REPAIR SHALL EXTEND TO 1' BEYOND EACH SIDE OF TRENCH (Bd).
 2. REPAIRS SHALL MATCH EXISTING GRADE.

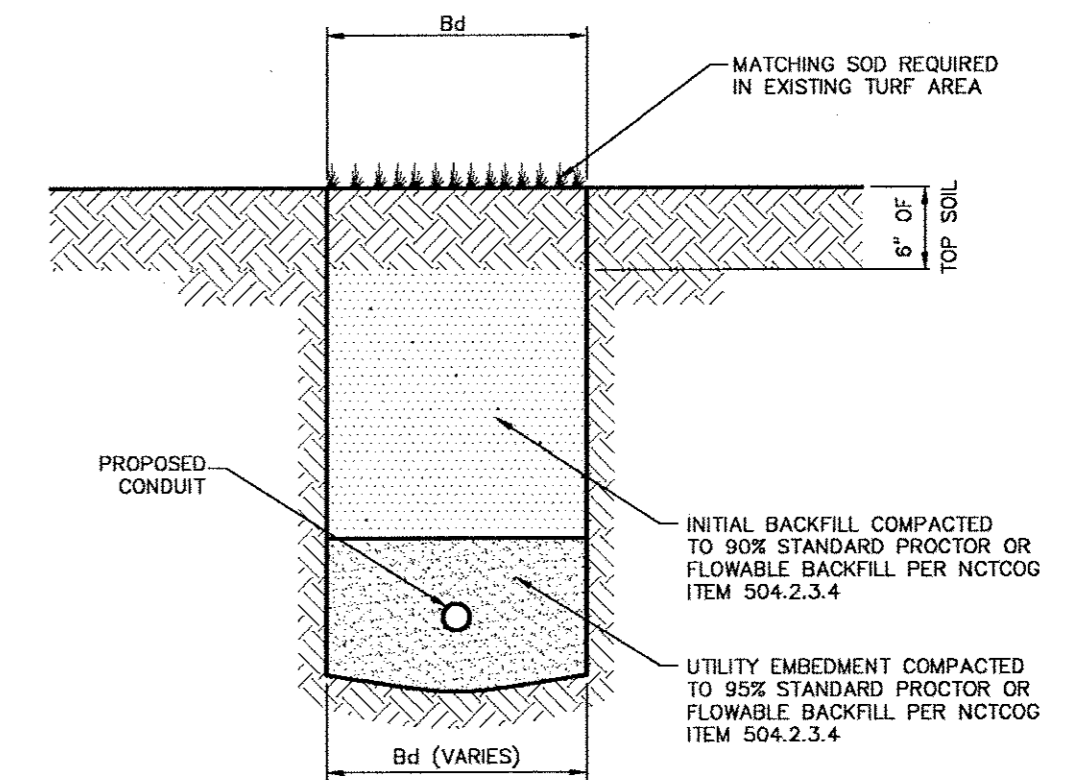
UTILITY INSTALLATION BENEATH
ASPHALT ROAD SURFACE
MIS

 PUBLIC WORKS DEPARTMENT	UTILITY INSTALLATION BENEATH ASPHALT ROAD SURFACE	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-100



- NOTES:**
1. REPAIRS SHALL INCLUDE FULL PANELS FROM JOINT TO JOINT, AND ANY ADJACENT DAMAGED PANELS INDEPENDENT OF Bd.
 2. REINFORCEMENT CHAIRS OR APPROVED DEVICE SHALL BE USED.
 3. SEE CONCRETE SIDEWALK STANDARD DETAIL FOR SIDEWALK JOINT DETAIL.
 4. ALL DISTURBED AREAS SHALL BE SOODED (UNLESS OTHERWISE APPROVED).
 5. BACKFILL AND EMBEDMENT PARTICLE SIZE SHALL NOT EXCEED 3" IN ANY DIRECTION.
 6. CONNECT TO EXISTING SIDEWALK WITH BARS MATCHING EXISTING INSTALLATION.

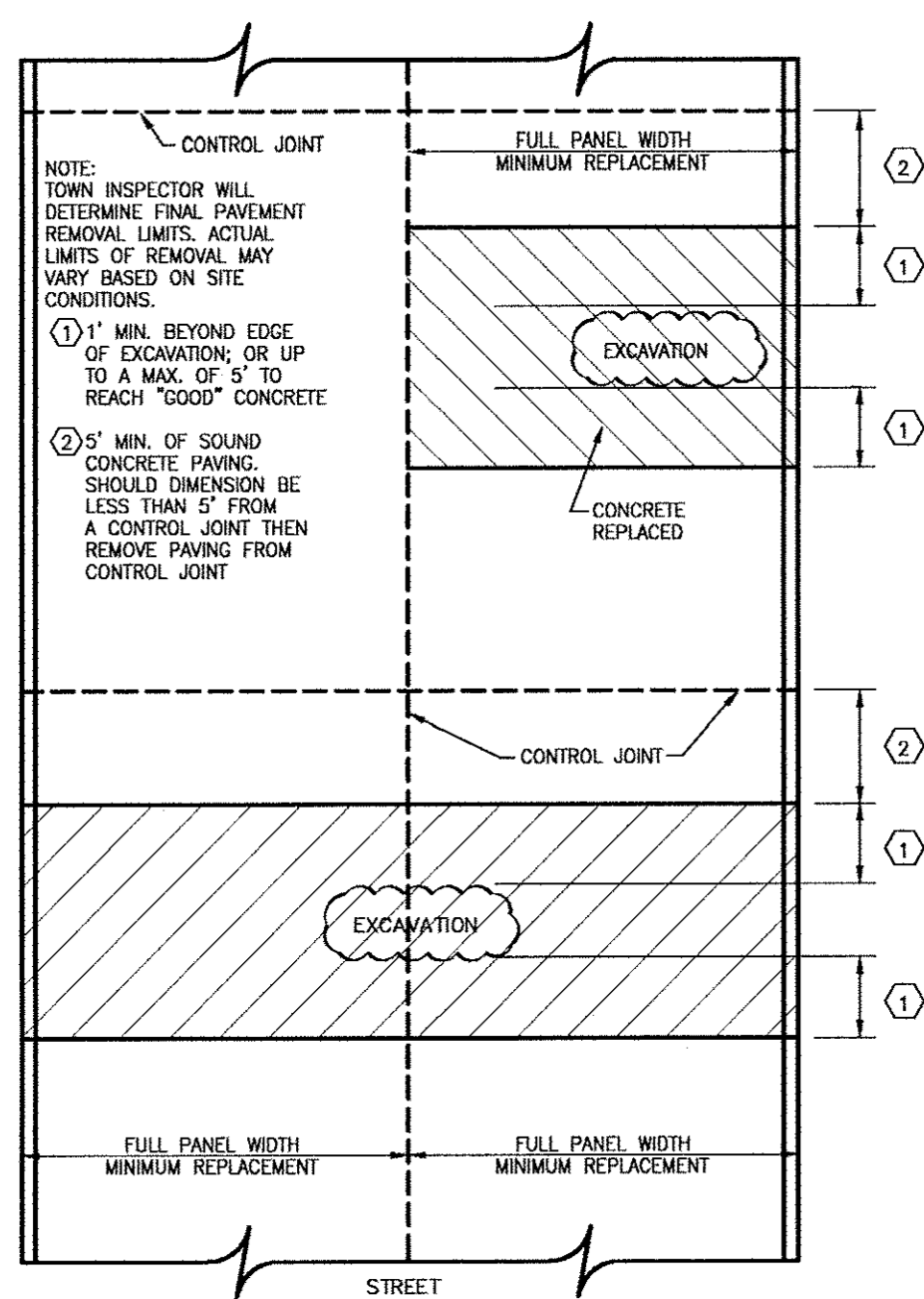
 PUBLIC WORKS DEPARTMENT	UTILITY INSTALLATION BENEATH SIDEWALK	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-103



- NOTES:**
1. ALL DISTURBED AREAS SHALL BE SOODED (UNLESS OTHERWISE APPROVED).
 2. BACKFILL AND EMBEDMENT PARTICLE SIZE SHALL NOT EXCEED 3" ANY DIRECTION.

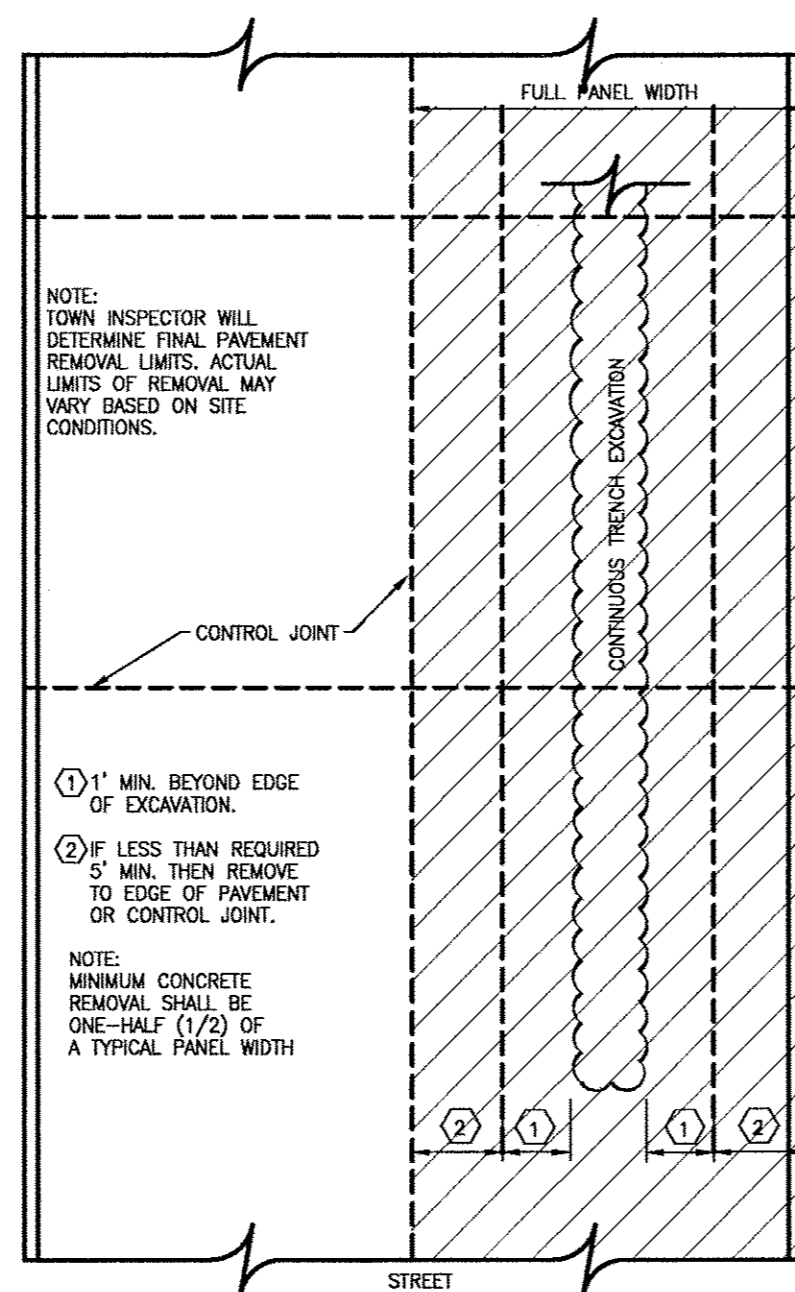
UTILITY INSTALLATION WITHIN
TURF AREAS
MIS

 PUBLIC WORKS DEPARTMENT	UTILITY INSTALLATION WITHIN TURF AREAS	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-104



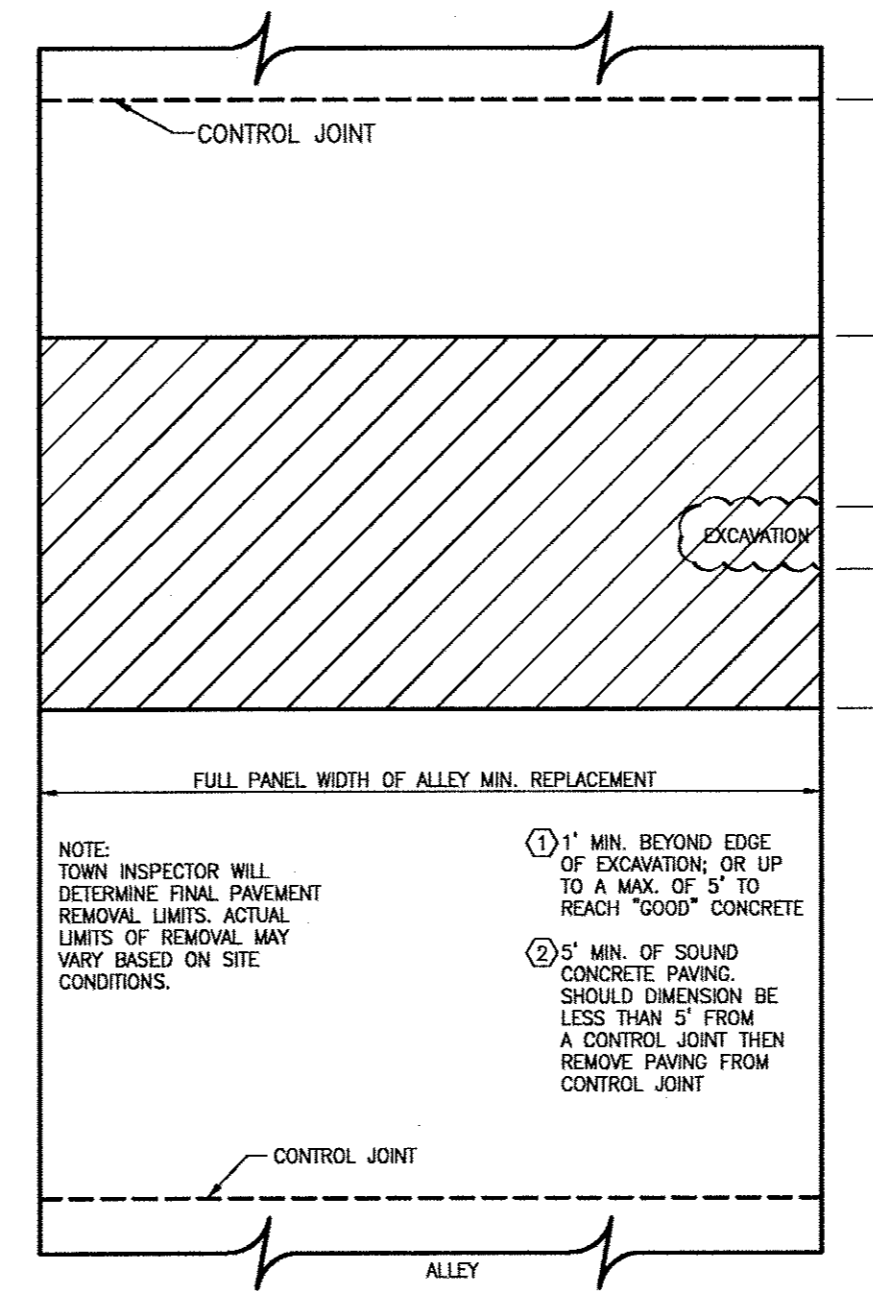
TYPICAL CONCRETE STREET REMOVAL/REPLACEMENT
EXAMPLE 1

 PUBLIC WORKS DEPARTMENT	STREET CUT REPAIRS EXAMPLE 1	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-105



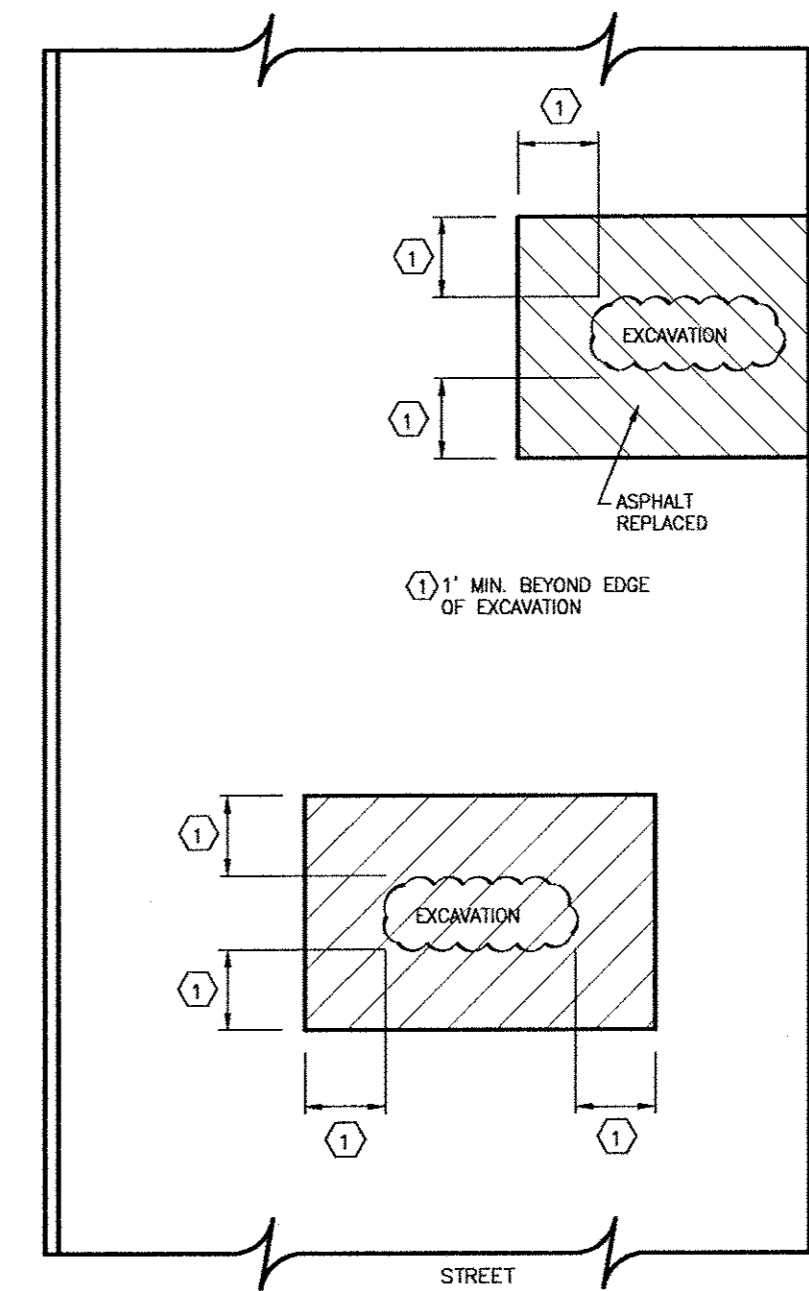
TYPICAL CONCRETE STREET REMOVAL/REPLACEMENT
EXAMPLE 2

 PUBLIC WORKS DEPARTMENT	STREET CUT REPAIRS EXAMPLE 2	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-106



TYPICAL CONCRETE ALLEY REMOVAL/REPLACEMENT
EXAMPLE 3

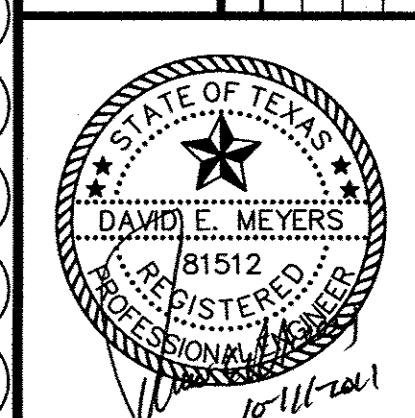
 PUBLIC WORKS DEPARTMENT	STREET CUT REPAIRS EXAMPLE 3	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-107



TYPICAL ASPHALT STREET REMOVAL/REPLACEMENT
EXAMPLE 4

 PUBLIC WORKS DEPARTMENT	STREET CUT REPAIRS EXAMPLE 4	STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION		
		DATE: AUGUST, 2010	REV. DATE: -	SHEET: SD-108

Kimley-Horn
and Associates, Inc.
1000 N. GULF Fwy., Suite 1000
Dallas, TX 75201-4898
Tel: 972-770-7000
Fax: 972-770-7001



Keller Springs Lofts
Loft Apartments in Addison
Town of Addison, Texas

UTILITY DETAILS

DATE: OCTOBER 11, 2011	DESIGN: KHA	CITY NO.:
DRAWN: KHA	CHECKED: KHA	
	KHA NO.: 064-362003	
SHEET		

C24