

PUBLIC PLANS FOR  
**QUAIL MEADOWS—PHASE V**  
 STREET, WATER, SANITARY & STORM  
 SEWER IMPROVEMENTS  
 IN THE CITY OF SALINA, SALINE COUNTY, KANSAS  
 SOUTHEAST QUARTER OF SECTION 36,  
 TOWNSHIP 14 SOUTH, RANGE 3 WEST

**UTILITY INFORMATION:**

**GAS UTILITY CO.:** KANSAS GAS SERVICE  
 1001 EDISON PLACE  
 SALINA, KS 67401  
 (785)822-3567  
 DEBBIE REINBOLD

**ELECTRIC UTILITY:** WESTAR  
 1001 EDISON PLACE  
 SALINA, KS 67401  
 (785)822-3505  
 CRAIG MADISON

**WATER, STORM & SANITARY:** CITY OF SALINA  
 ENGINEERING DEPARTMENT  
 P.O. BOX 736  
 300 N. ASH  
 SALINA, KS 67402  
 (785)309-5725  
 MARTHA TASKER

**LIQUID FUEL:** KANEB  
 1152 14TH AVENUE  
 MCPHERSON, KS 67460  
 (316)241-2641  
 BRENT MOSSMAN

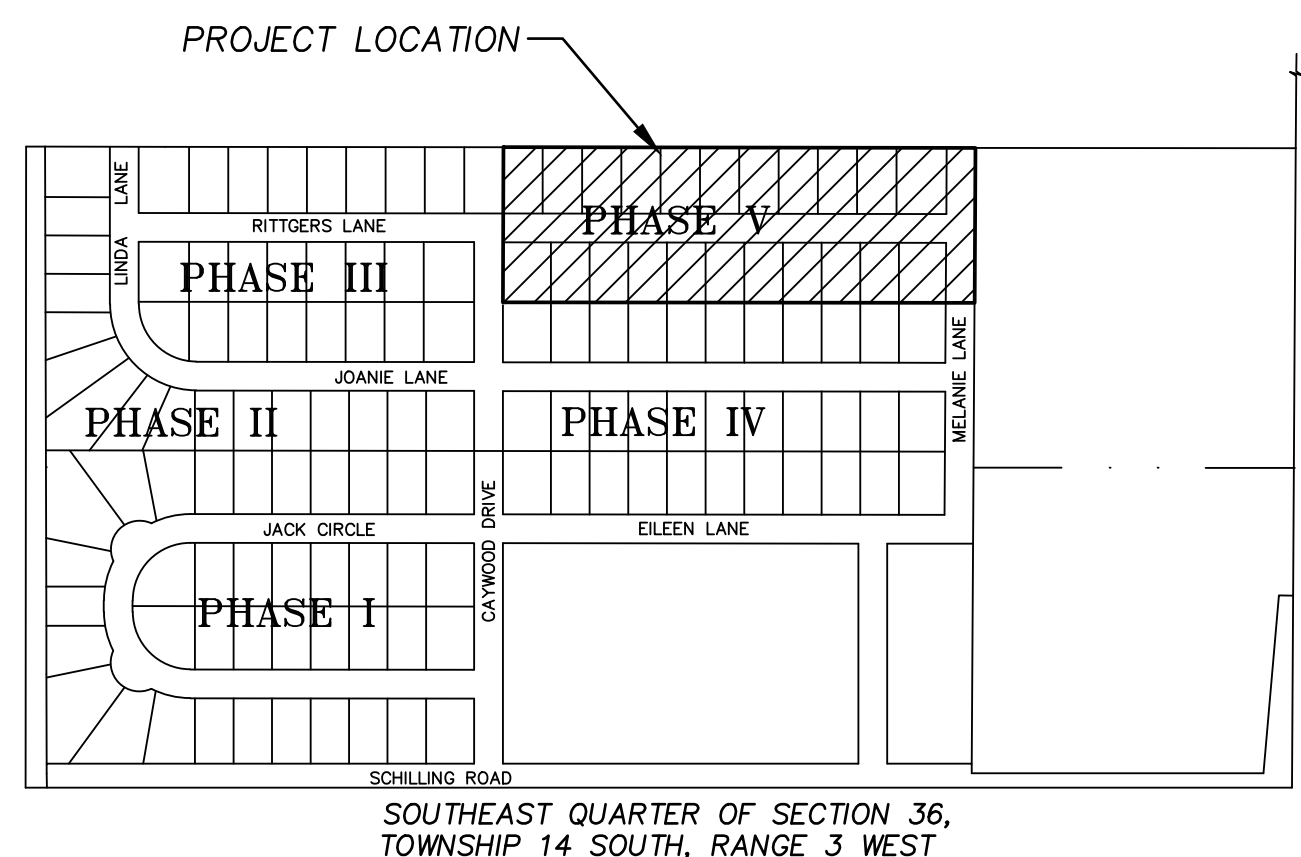
**CABLE TELEVISION:** COX CABLEVISION, INC.  
 144 N. 7TH STREET  
 SALINA, KS 67401  
 (785)825-7151  
 TIM JAMES

**FIBER OPTIC:** VERIZON  
 621 WESTPORT BOULEVARD  
 SALINA, KS 67401  
 (620)386-0103  
 (620)386-0446  
 BOB CHESTNUT

**TELEPHONE:** AT&T  
 137 S. 7TH STREET  
 SALINA, KS 67401  
 (785)826-1002  
 MIKE PRITCHETT

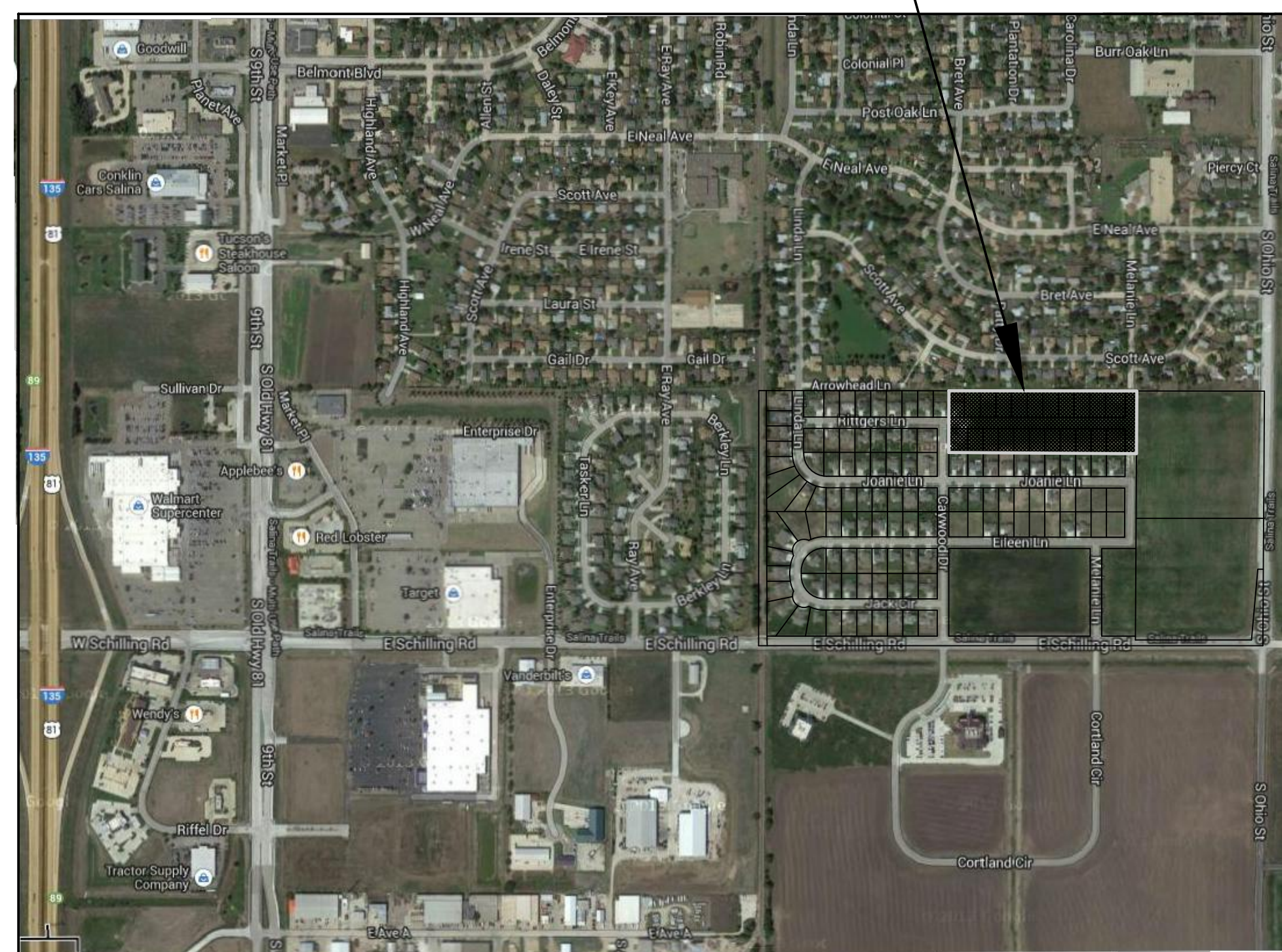
THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE FROM VISUAL INDICATIONS OR FROM UTILITY COMPANY RECORDS AND ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL "1-800-DIG-SAFE" AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING EXCAVATION/CONSTRUCTION ACTIVITIES. **!!STOP!! CALL BEFORE YOU DIG!! CALL 1.800.344.7233.**

CONTACT THE CITY OF SALINA DIRECTLY FOR LOCATION OF EXISTING CITY OWNED UTILITIES.



**VICINITY MAP**  
 NOT TO SCALE

**PROJECT LOCATION**



**LOCATION MAP**  
 not to scale

**INDEX OF SHEETS**

SHEET NO.	TITLE
1	TITLE SHEET
2-3	PLAT
4	GENERAL LAYOUT
5-6	EROSION CONTROL PLAN & DETAILS
7	TYPICAL SECTION & INTERSECTION DETAIL
8-9	RITTIGERS LANE PLAN & PROFILE
10	MELANIE LANE PLAN & PROFILE
11	FLUME/PUBLIC STORM SEWER PLAN & PROFILE
12-13	PUBLIC SANITARY SEWER PLAN & PROFILE
14	WATER MAIN PLAN
15-22	DETAILS
23-24	CROSS SECTIONS

**BENCHMARK:**

CBM: #265 U.S.G.S. BRASS DISK IN CONC. STAMPED "C-292-1952", 29' WEST OF WEST RAIL & 40' NORTH OF CENTERLINE SCHILLING RD. ELEVATION=1245.22

**APPROVED BY:**

CITY OF SALINA  
 Karlon Poon, P.E., CITY ENGINEER, 300 W. ASH, SALINA, KANSAS 67401 PH 785-309-5725  
 KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
 FORBES FIELD BUILDING 740, TOPEKA, KANSAS 66620 PH 785-296-5528

**DATE:**

\_\_\_\_\_



**AS-BUILT**

2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL: jv@kveeng.com  
 KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER  
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
 AUTHORIZATION #E-113, EXPIRES 12/31/14  
 PROJ. NO.: A13\_6395 DSN:  
 CFN: 812818-COV DWN: JT

**GENERAL NOTES:**

- ALL MATERIALS AND CONSTRUCTION ON PUBLIC STREETS SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF SALINA.
- CONNECTIONS TO EXISTING CITY WATER MAIN ARE TO BE COMPLETED USING FITTINGS AND METHODS APPROVED BY THE CITY OF SALINA PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE SUBMITTAL OF MANUFACTURER'S DATA ON ALL FITTINGS TO THE CITY OF SALINA ENGINEERING DEPARTMENT PRIOR TO ORDERING.
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS PREVIOUSLY APPROVED AND ON FILE WITH THE CITY OF SALINA AND THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT, AND SHALL BE INSPECTED BY THE CITY. IT IS THE CONTRACTORS RESPONSIBILITY TO ASSURE THAT THIS INSPECTION OCCURS.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.
- THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE CITY OF SALINA AT THIS TIME. HOWEVER, NEITHER OLSSON ASSOCIATES NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE OLSSON ASSOCIATES PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION AT THE SITE.
- ALL WATER LINES TO BE PLACED WITH A MINIMUM 4'-6" OF COVER.
- ALL TREES OVER 40 INCH IN CIRCUMFERENCE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED. THIS WORK SHALL BE SUBSIDIARY TO THE BID ITEM "CLEARING AND GRUBBING".
- ALL CONSTRUCTION TRAFFIC SHALL ACCESS SITE FROM SCHILLING ROAD.
- CONTRACTOR TO CALL CITY TO OBTAIN LOCATION OF CITY OWNED UTILITIES.

**SPECIAL TRENCH COMPACTION:**

- TRENCH BACKFILL WHICH IS IN A STREET OR PROPOSED STREET, OR AS DIRECTED BY THE ENGINEER, SHALL BE PLACED IN LAYERS AND COMPACTED BY MEANS OF SUITABLE EQUIPMENT. EACH LAYER SHALL BE COMPACTED TO A DENSITY TO OR GREATER THAN 95 PERCENT OF THE MAXIMUM DENSITY OF THE SOIL OBTAINED BY TESTING METHOD OF A.S.T.M. DESIGNATION, D-698-66T OR LATEST REVISION. EACH LAYER SHALL CONTAIN ONLY THAT AMOUNT WHICH WILL INSURE PROPER COMPACTION, BUT IN NO CASE SHALL ANY LAYER BE GREATER THAN EIGHT (8) INCHES, (LOOSE MEASUREMENT) IN DEPTH. THE MOISTURE CONTENT OF SOIL TO BE USED SHALL BE UNIFORM AND SHALL BE SUCH THAT A DENSITY OF 95 PERCENT OF MAXIMUM DENSITY CAN BE OBTAINED. THE ENGINEER MAY ORDER COMPACTION TEST BY AN AUTHORIZED LABORATORY AT ANY LOCATION OR DEPTH AS HE FEELS NECESSARY. THE COMPACTION TEST MAY BE CONDUCTED BY THE SAND CORE METHOD OR NUCLEAR DENSITY GAUGE AT THE DISCRETION OF THE ENGINEER. WHEN THE PERCENT OF COMPACTION DOES NOT FALL IN THE REQUIRED RANGE THE MATERIAL SHALL BE REMOVED, MOISTURE CONTENT ADJUSTED, AND THE COMPACTION PROCESS REPEATED UNTIL COMPACTION REQUIREMENTS ARE OBTAINED. ALL COST FOR TESTING SHALL BE AT THE CONTRACTORS EXPENSE.

- THE CONTRACTOR AT HIS OPTION MAY USE THE FOLLOWING SPECIAL COMPACTION METHOD FOR ALL PIPE MATERIALS EXCEPT P.V.C. PIPELINES. TRENCHES WITHIN THE LIMITS OF STREETS OR PROPOSED STREETS SHALL BE ENTIRELY BACKFILL WITH SAND HAVING A MAXIMUM SIZE OF 1/2 INCH. TRENCHES SHALL THEN BE THOROUGHLY FLUSHED OR JETTED UNTIL ALL THE SAND IS COMPLETELY INUNDATED BY THE USE OF APPROVED INTERNAL VIBRATORS. BACKFILLING, INUNDATING, AND VIBRATING SHALL BE REPEATED UNTIL THE TRENCH HAS BEEN COMPLETELY BACKFILLED TO SUBGRADE ELEVATION AND NO FURTHER SETTLEMENT OCCURS. THE TOP SURFACE OF INUNDATED SAND BACKFILL SHALL BE MAINTAINED UNDISTURBED UNTIL COVERED BY THE PAVEMENT. THE ENGINEER MAY ORDER COMPACTION TEST BY AN AUTHORIZED LABORATORY AT ANY LOCATION OR DEPTH AS HE FEELS NECESSARY.

**SAFETY NOTICE TO CONTRACTOR:**

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

**WARRANTY / DISCLAIMER:**

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER OLSSON ASSOCIATES NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE OLSSON ASSOCIATES PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

DWG: Z:\Civl\_3D\Projects\A13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-COV.dwg  
 DATE: Aug 28, 2013 9:46am  
 USER: Trumpp  
 XREFS: OA\_24x26



REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	8/27/13	AS-BUILT PLANS

TITLE SHEET

QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET

2010

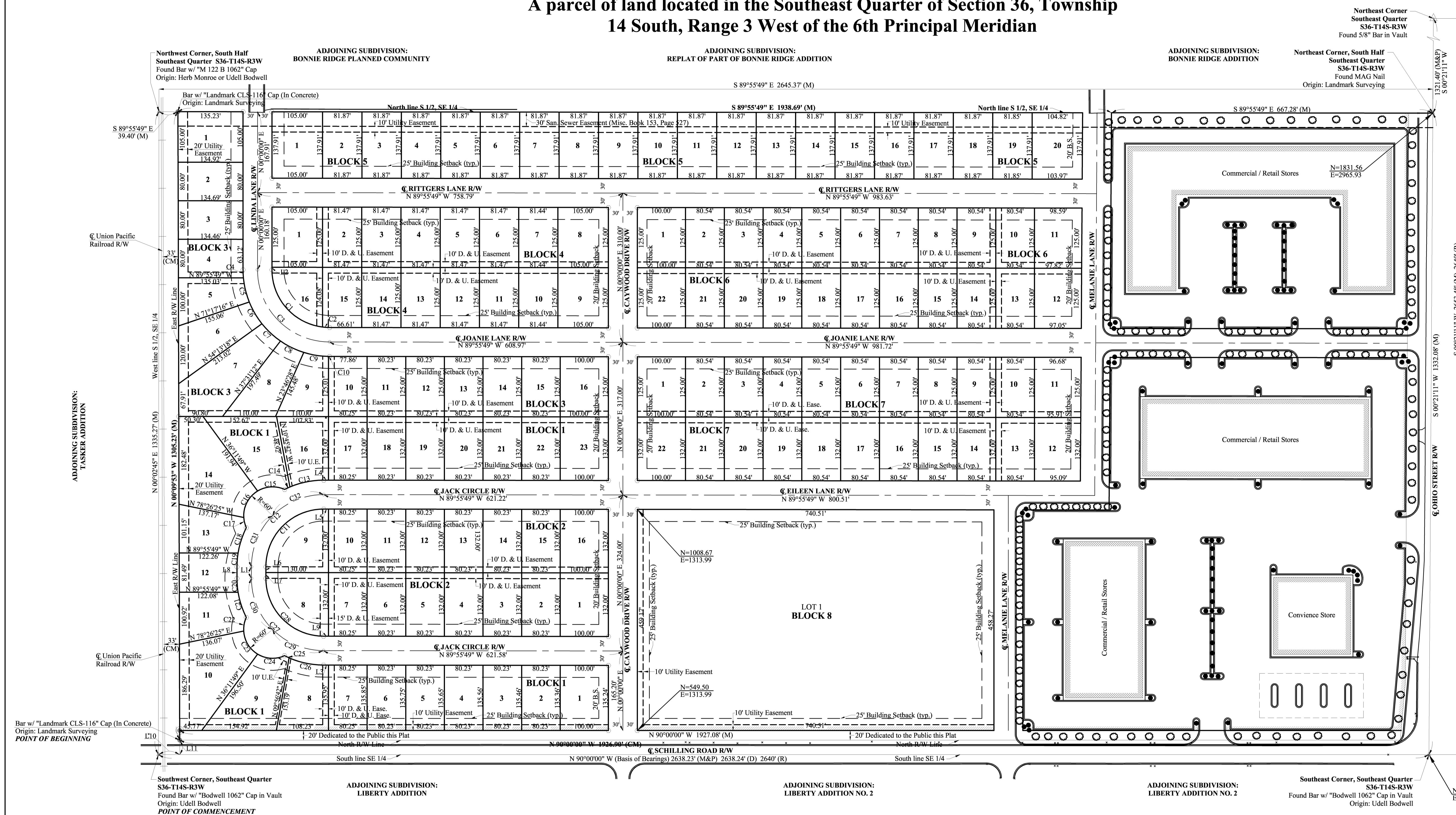
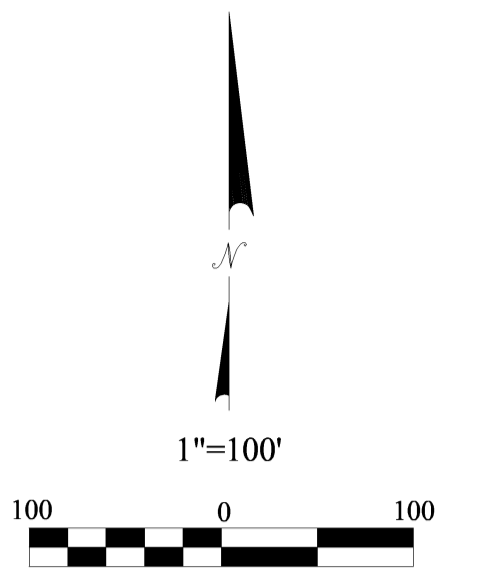
SALINA, KANSAS

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-COV  
 date: APRIL 28, 2010

SHEET  
 1 OF 24

# The Final Development Plan of Quail Meadows Estates Addition

to the City of Salina, Saline County, Kansas  
A parcel of land located in the Southeast Quarter of Section 36, Township  
14 South, Range 3 West of the 6th Principal Meridian



**LEGEND**

- Monuments Found
- Set 1/2" Rebar w/ "Landmark CLS-116" cap (In Concrete)
- Set 1/2" Rebar w/ "Landmark CLS-116" cap (As Block Corner)
- PC or PT of Curve (typ.)
- △ Section Corner
- M Measured Distance
- P Platted Distance
- D Described Distance
- CM Calculated from Measurement
- R Record Distance (from GLO Notes)
- R/W Right-of-Way
- D. & U. Drainage & Utility Easement
- U.E. Utility Easement
- B.S. Building Setback Line
- Restricted Access
- Easement Line
- Building Setback Line (25' typ.)
- Addition Boundary Line

**PLAT NOTES**

- 1) Basis of Bearings: Assumed N 90°00'00" W along the South line of the Southeast Quarter of S36-T14S-R3W.
- 2) Monuments found have an unknown origin unless noted otherwise.
- 3) All adjoining land is unplatted unless noted otherwise.
- 4) The majority of this plat is located in Flood Zone B, however portions of the Lots along the North line of this plat are located in Flood Zones AH & A1. According to the Flood Insurance Rate Map for the City of Salina, Saline County, Kansas. Map Number: 200316 0060 B Effective Date: 02/05/1986 Base Flood Elevation = 1242.0

LINE	BEARING	DISTANCE
L1	N 00°00'00" E	24.00'
L2	N 00°00'00" E	5.14'
L3	S 89°55'49" E	10.22'
L4	S 89°55'49" E	9.78'
L5	S 89°55'49" E	9.86'
L6	S 00°00'00" E	11.86'
L7	N 00°00'00" E	12.14'
L8	S 00°00'00" E	24.00'
L9	S 89°55'49" E	10.14'
L10	N 90°00'00" E	44.31' (CM)
L11	N 00°09'53" W	30.00' (CM)

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	120.00'	173.46'	158.75'	N 41°24'32" W	82°49'13"	105.83'
C2	120.00'	14.90'	14.89'	N 86°22'31" W	07°06'44"	7.46'
C3	150.00'	235.44'	212.01'	N 44°57'55" W	89°55'56"	149.82'
C4	180.00'	16.90'	16.90'	N 02°41'22" W	05°22'49"	8.46'
C5	180.00'	51.71'	51.54'	N 13°36'36" W	16°27'40"	26.04'
C6	180.00'	52.48'	52.30'	N 30°11'36" W	16°42'21"	26.43'
C7	180.00'	52.81'	52.62'	N 46°57'03" W	16°48'31"	26.59'
C8	180.00'	54.04'	53.83'	N 63°57'19" W	17°12'02"	27.22'
C9	180.00'	52.19'	52.01'	N 80°51'45" W	16°36'48"	26.28'
C10	180.00'	2.39'	2.39'	N 89°33'00" W	00°45'43"	1.20'
C11	120.00'	188.64'	169.81'	N 45°02'05" E	90°04'02"	120.14'
C12	150.00'	235.80'	212.26'	N 45°02'05" E	90°04'04"	150.18'
C13	180.00'	72.14'	71.66'	N 78°35'16" E	22°57'45"	36.56'
C14	180.00'	12.18'	12.18'	N 65°10'05" E	03°52'36"	6.09'
C15	60.00'	58.45'	56.17'	N 86°38'20" E	55°49'02"	31.78'
C16	60.00'	65.24'	62.07'	N 27°34'58" E	62°17'42"	36.26'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C17	60.00'	21.90'	21.78'	N 14°01'16" W	20°54'47"	11.07'
C18	180.00'	55.61'	55.39'	N 17°59'22" E	17°42'05"	28.03'
C19	180.00'	28.71'	28.68'	N 04°34'11" E	09°08'16"	14.38'
C20	180.00'	29.03'	29.00'	N 04°37'10" W	09°14'25"	14.55'
C21	180.00'	55.07'	54.86'	N 18°00'18" W	17°31'51"	27.75'
C22	60.00'	29.11'	28.83'	N 10°38'55" E	27°47'53"	14.85'
C23	60.00'	58.29'	56.03'	N 31°05'03" W	55°40'01"	31.68'
C24	60.00'	58.18'	55.93'	N 86°41'52" W	55°33'37"	31.61'
C25	180.00'	10.49'	10.49'	N 64°49'48" W	03°20'24"	5.25'
C26	180.00'	73.61'	73.10'	N 78°12'56" W	23°25'52"	37.33'
C27	150.00'	235.44'	212.01'	N 44°57'55" W	89°55'56"	149.82'
C28	120.00'	188.35'	169.61'	N 44°57'55" W	89°55'57"	119.86'
C29	150.00'	117.72'	114.72'	N 67°26'53" W	44°57'58"	62.08'
C30	150.00'	117.72'	114.72'	N 22°28'56" W	44°57'58"	62.08'
C31	150.00'	117.90'	114.89'	N 22°31'05" E	45°02'02"	62.18'
C32	150.00'	117.90'	114.89'	N 67°33'06" E	45°02'02"	62.18'

**DEVELOPMENT NOTES**

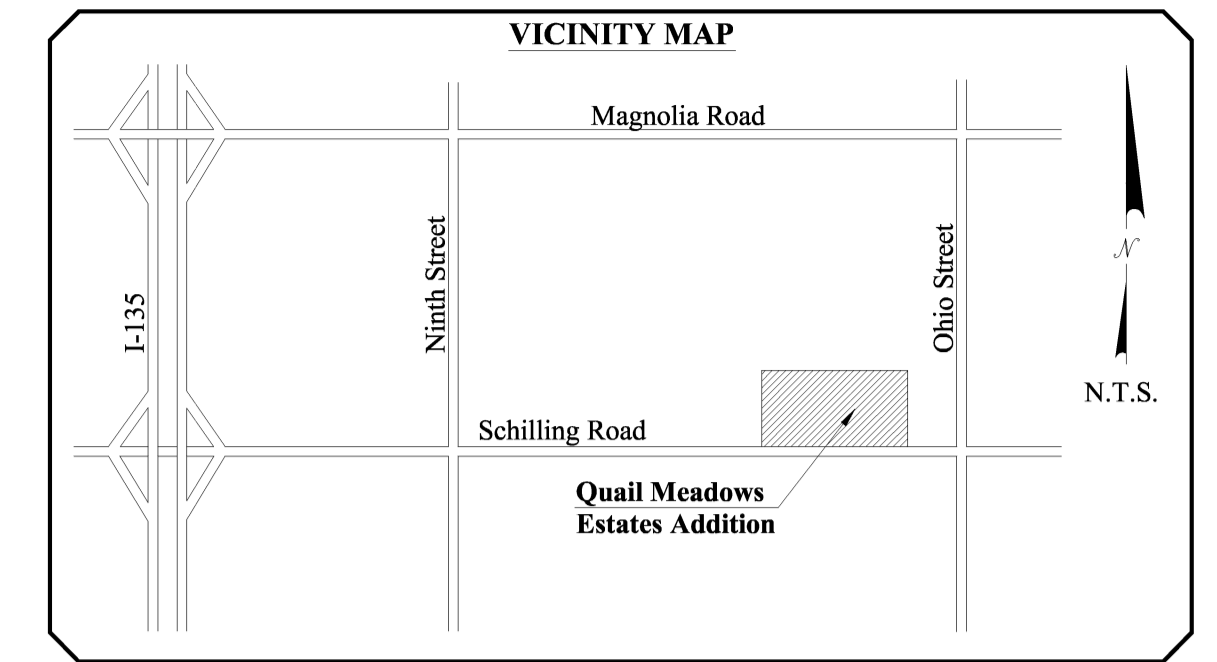
- 1) Purchase and subsequent improvement and use of the land within the Quail Meadows Estates Addition shall be subject to and regulated by the provisions of the "Declaration of Covenants, Conditions and Regulations for the Quail Meadows Estates Addition" submitted herewith.
- 2) Lots 1-15, Block 1, shall be served by underground electric service.
- 3) No outbuildings, fences or trees may be placed within the 30' sanitary sewer easement shown on this plat. This easement may be crossed by overhead wires.
- 4) Acceptance by the City of the drainage easements shown on this plat shall not constitute acceptance of maintenance responsibility. Maintenance of all drainage ways and other drainage improvements contained within the drainage easements delineated on this final plat shall be the responsibility of the abutting property owner.
- 5) Base Flood Elevation for this addition is 1242.0.

**Landmark SURVEYING & MAPPING INC.**  
Member Kansas Society of Land Surveyors  
Office: (785) 263-2625 Fax: (785) 263-1580  
301 North Broadway, P.O. Box 97  
Abilene, Kansas 67410

Date of Plot:	04/5/07	Project #: 04-3820
Drawn By:	JPJ	Client: Quail Meadows, Inc.
Checked By:	TR	Sheet 2 of 2

# The Final Plat of Quail Meadows Estates Addition

to the City of Salina, Saline County, Kansas  
A parcel of land located in the Southeast Quarter of Section 36, Township  
14 South, Range 3 West of the 6th Principal Meridian



## LEGAL DESCRIPTION

A parcel of land located in the Southeast Quarter of Section 36, Township 14 South, Range 3 West of the 6th Principal Meridian in Saline County, Kansas more particularly described as follows:

Commencing at the Southwest corner of said Southeast Quarter; thence on an assumed bearing of N 90°00'00" E along the South line of said Southeast Quarter a distance of 44.31 to a point on the East right-of-way line of the Union Pacific Railroad; thence N 00°09'53" W along said East right-of-way line a distance of 30.00 feet to a point the North right-of-way line of Schilling Road, said point also being the POINT OF BEGINNING of the parcel to be described;  
- thence continuing N 00°09'53" W along said East right-of-way line a distance of 1305.23 feet to point on the North line of the South Half of said Southeast Quarter;  
- thence S 89°55'49" E along said North line a distance of 1938.69 feet;  
- thence S 00°21'11" W a distance of 1302.89 feet to a point on said North right-of-way line of Schilling Road;  
- thence N 90°00'00" W along said North right-of-way line a distance of 1926.90 feet to the POINT OF BEGINNING;  
Said parcel contains 57.86 acres, more or less, and is subject to easements, reservations and restrictions of record.

## SURVEYOR'S CERTIFICATE

State of Kansas )  
County of Dickinson) SS

I, the undersigned, do hereby certify that I am a registered land surveyor in the State of Kansas, with experience and proficiency in land surveying; that the heretofore described property was surveyed and subdivided by me, or under my supervision; that all Subdivision Regulations of the City of Salina, Kansas have been complied with the preparation of this plat; and that all of the monuments shown herein actually exist and their positions are correctly shown to the best of my knowledge and belief.  
Date of Fieldwork: November 14, 2004

Given under my hand and seal at Abilene, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

Thad C. Reynolds L.S. # 1354

## COUNTY SURVEYOR CERTIFICATE

State of Kansas )  
County of Saline) SS

Reviewed in accordance with K.S.A. 58-2005 on this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

County Surveyor

## ABTRACTOR'S CERTIFICATE

State of Kansas )  
County of Saline) SS

The undersigned, being duly licensed and bonded abstractor or an authorized representative thereof, hereby certifies that the above is the legal owner of the property shown on this plat.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

Licensed Abstractor

## CORPORATE OWNER'S CERTIFICATE

State of Kansas )  
County of Saline) SS

This is to certify that the undersigned Proprietor, Quail Meadow Property, Incorporated, owns the land described in the plat and has caused the same to be surveyed and subdivided as indicated thereon, for the uses and purposes therein set forth and does hereby acknowledge and adopt the same under the style and title thereon indicated.

All streets shown on this plat are hereby dedicated to the public. An easement or license to the public to locate, construct, and maintain or authorize the location, construction, and maintenance of poles, wires, conduits, water, gas and sewer pipes or required drainage channels or structures under or upon the areas marked for easements on this plat is hereby granted

Given under my hand at Salina, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

Quail Meadow Property, Inc.  
Stan Byquist, President

## NOTARY CERTIFICATE

State of Kansas )  
County of Saline) SS

I \_\_\_\_\_, a Notary Public in and for said county, in the state aforesaid, do hereby certify that Stan Byquist, President of Quail Meadow Property, Incorporated, is personally known to me to be the same person whose name is subscribed to the foregoing instrument as such owner, appeared before me this day in person and acknowledged that he signed and delivered the plat as the free and voluntary act of said corporation for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

Notary

## OWNER'S CERTIFICATE

State of California )  
County of San Diego) SS

This is to certify that the undersigned, James R. Caywood, owns the land described in the plat and has caused the same to be surveyed and subdivided as indicated thereon, for the uses and purposes therein set forth and does hereby acknowledge and adopt the same under the style and title thereon indicated.

All streets shown on this plat are hereby dedicated to the public. An easement or license to the public to locate, construct, and maintain or authorize the location, construction, and maintenance of poles, wires, conduits, water, gas and sewer pipes or required drainage channels or structures under or upon the areas marked for easements on this plat is hereby granted

Given under my hand at San Diego, California, this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

James R. Caywood

## NOTARY CERTIFICATE

State of California )  
County of San Diego) SS

I \_\_\_\_\_, a Notary Public in and for said county, in the state aforesaid, do hereby certify that James R. Caywood, is personally known to me to be the same person whose name is subscribed to the foregoing instrument as such owner, appeared before me this day in person and acknowledged that he signed and delivered the plat as his free and voluntary act for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

Notary

## COUNTY CLERK AND CITY CLERK CERTIFICATE

State of Kansas )  
County of Saline) SS

I do, hereby certify that there are no delinquent general taxes, no unpaid current general taxes, no unpaid forfeited taxes, and no redeemable tax sales against any of the land included in the plat.

I further certify that I have received all statutory fees in connection with the plat.

Given under my hand and seal at Salina, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

County Clerk

City Clerk

## CERTIFICATE OF SPECIAL ASSESSMENTS

State of Kansas )  
County of Saline) SS

I do hereby certify that there are no delinquent or unpaid current or forfeited special assessments or any deferred installments thereof that have not been apportioned against the tract of land included in the plat.

Given under my hand and seal at Salina, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

County Clerk

City Clerk

## SALINA CITY PLANNING COMMISSION CERTIFICATE

State of Kansas )  
County of Saline) SS

Approved this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

SALINA CITY PLANNING COMMISSION SALINA, KANSAS.

Chairman

Attest:  
Secretary

## CERTIFICATE OF THE CITY COMMISSION

State of Kansas )  
County of Saline) SS

Approved this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2005.

BOARD OF CITY COMMISSIONERS OF CITY OF SALINA, KANSAS.

Mayor

Attest:  
City Clerk

## REGISTER OF DEEDS CERTIFICATE

State of Kansas )  
County of Saline) SS


Final Plat of Quail Meadows Estates Addition to the City of Salina, Saline County, Kansas, was filed in my office on this \_\_\_\_\_ day of \_\_\_\_\_ 2005, at \_\_\_\_\_ o'clock \_\_\_\_\_ M. and duly recorded in volume \_\_\_\_\_ of plats, at page \_\_\_\_\_.

Register of Deeds

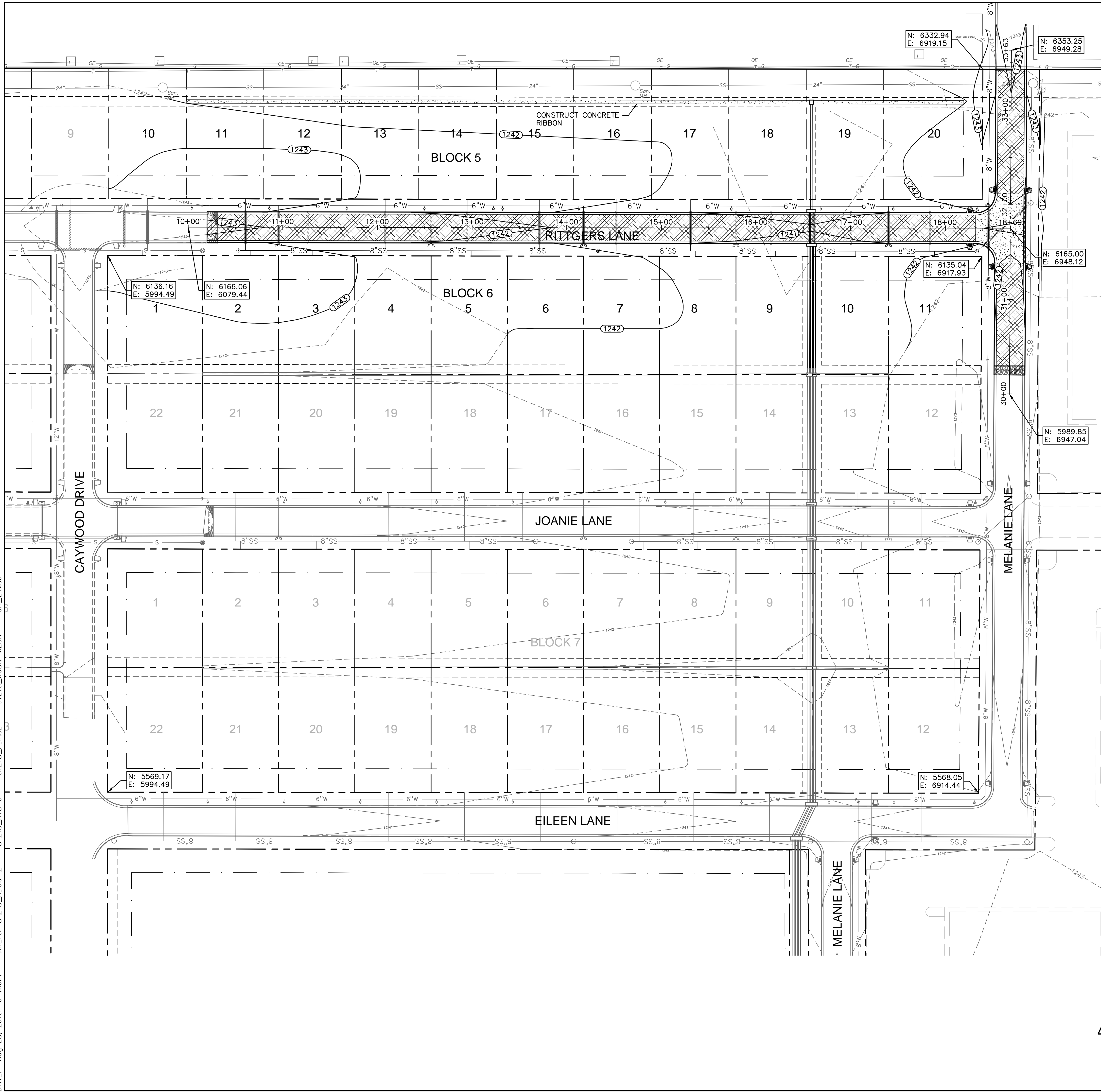
Filing fee of \_\_\_\_\_ paid.

## SECTION CORNER TIES

<p><b>Northeast Corner, Southeast Quarter S36-T14S-R2W</b> <i>Found Bar w/ 2" Aluminum Cap (in Vault)</i></p> <p>1) Top of cadastral marker 27.0' W 2) Top, end of CMP 31.5' WNW 3) Bar w/ 2" aluminum cap stamped "Wilson &amp; Co." 49.9' E 4) Centerline of Ohio Street traveled way</p>	<p><b>Southeast Corner, Southeast Quarter S36-T15S-R3W</b> <i>Found 1/2" Bar w/ "Bodwell-1062" Cap (in vault)</i></p> <p>1) Nail in North face of power pole 61.1' SE 2) Nail in North face of power pole 53.6' NE 3) Nail in South face of power pole 141.5' WNW 4) Nail in North face of power pole 143.5' WSW</p>
<p><b>Northwest Corner, South Half, Southeast Quarter S36-T14S-R2W</b> <i>Found Bar w/ "Monroe 122" Cap</i></p> <p>1) 20d nail in power pole 57.4 SW 2) Top, center of West rail of railroad tracks 3.4' E 3) Top, center of steel corner fence post for chain link fence 29.3' WNW 4) Bar w/ "Landmark CLS-116" Cap (In Concrete) 39.4' E</p>	<p><b>Southwest Corner, Southeast Quarter S36-T15S-R3W</b> <i>Found 1/2" Bar w/ "Bodwell-1062" Cap (in vault)</i></p> <p>1) Center of Southwest bolt on railroad light bar 33.6' NE 2) Center of Northeast bolt on railroad light bar 27.2' SSW 3) Northwest corner of railroad control shack 62.6' SE 4) Centerline of West rail of tracks 8.1' E 5) Centerline of Schilling Road traveled way</p>
<p><b>Northeast Corner, South Half, Southeast Quarter S36-T14S-R2W</b> <i>Found MAG Nail</i></p> <p>1) 20d nail in power pole 31.6' SE 2) Southeast corner of house (at ground) @ 2826 S. Ohio 62.8' WNW 3) Northeast corner of house (at ground) @ 2826 S. Ohio 87.9' NW 4) Bar w/ "Landmark CLS-116" Cap (In Concrete) 30.0' W 5) Centerline of Ohio Street traveled way 2.0' E</p>	

 <p>Member Kansas Society of Land Surveyors Office: (785) 263-2625 Fax: (785) 263-1580 301 North Broadway, P.O. Box 97 Abilene, Kansas 67410</p>		
Date of Plot:	02/25/05	Project #: 04-3820
Drawn By:	JPJ	Client: Earles, Inc.
Checked By:	TR	Sheet 1 of 2

DWG: Z:\Civl\_3D\_Proj\13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-GLP.dwg  
 DATE: Aug 28, 2013 9:46am XREFS: 81218\_XTOP 81218\_XCON-MESH 81218\_XCON-MESH  
 USER: Trumpp OA\_24x36



**LEGEND**

- Right-of-Way
- Property Line
- Lot Line
- Easement Line
- Building Setback Line
- Existing Contours
- Finish Grade Contours
- Construct Curb & Gutter
- Construct Spill Curb
- Construct Storm Sewer
- Construct 8" Sanitary Sewer Main & 4' Diameter Manholes
- Install 6" Sanitary Service
- Install 8" Water Main
- Install 6" Water Main
- Install Standard "Y" Double Water Meter
- Install Single Water Meter
- Install Fire Hydrant
- Install Gate Valve
- Install Asphalt Paving per Typical Section
- Install Concrete Paving per Concrete Pavement Section
- Special Compaction Trench

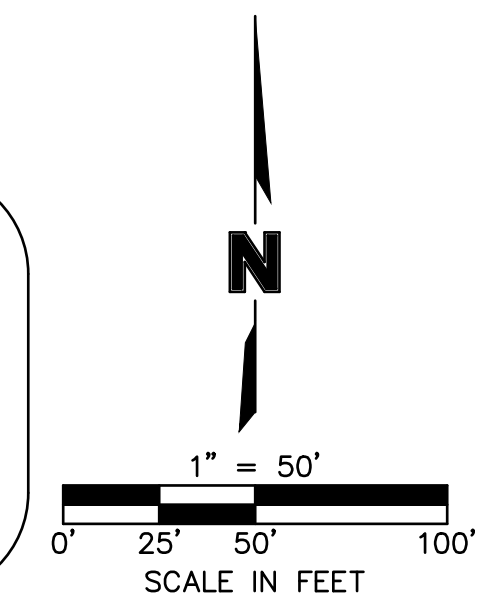
**SECTION CORNER CONTROL:**  
 NE CORNER, S 1/2, SE 1/4, SEC. 36, T-14-S, R-3-W  
 N: 6332.06 E: 7646.43  
 SE CORNER, SE 1/4, SEC. 36, T-14-S, R-3-W  
 N: 5000.00 E: 7638.23  
 SW CORNER, SE 1/4, SEC. 36, T-14-S, R-3-W  
 N: 5000.00 E: 5000.00  
 NW CORNER, S 1/2, SE 1/4, SEC. 36, T-14-S, R-3-W  
 N: 6335.27 E: 5001.07

**BENCHMARK:**  
 CBM: #265 U.S.G.S. BRASS DISK IN CONC. STAMPED "C-292-1952",  
 29' WEST OF WEST RAIL & 40' NORTH OF CENTERLINE SCHILLING RD.  
 ELEVATION=1245.22

**NOTES:**  
 1. CONTRACTOR TO CONSTRUCT CONCRETE RIBBON ALONG BACK OF LOTS AS SHOWN ON SHEET 11.  
 2. THE COORDINATES SHOWN AT BLOCK CORNERS ARE PLATTED LOCATIONS. CONTRACTOR TO VERIFY EXISTING MONUMENTATION.

**LOT GRADING:**  
 THESE PLANS SHOW FINISH GRADE ONCE HOMES ARE CONSTRUCTED. STREET CONTRACTOR SHALL ONLY PROVIDE GRADING TO THE RIGHT-OF-WAY LINE (TYPICAL SECTION). THE LOTS WILL BE FILLED TO FINAL GRADE ONCE BASEMENTS ARE DUG BY THE INDIVIDUAL LOT OWNERS.

2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL: jv@kveeng.com  
 KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER  
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
 AUTHORIZATION #E-113, EXPIRES 12/31/14  
 PROJ. NO. A13\_6395 DSN:  
 CFN: 81218-GLP DWN: JT



**AS-BUILT**

**MOLSSON ASSOCIATES**  
 2627 FCB Plaza, Suite 101W  
 Manhattan, Kansas 66503-8154  
 TEL: 785.539.6900  
 FAX: 785.539.6901  
 www.caconsulting.com

REV. NO.	DATE	REVISIONS DESCRIPTION	INITIAL ISSUE	
			AS-BUILT PLANS	AS-BUILT PLANS
0	4/28/10			
1	8/27/13			

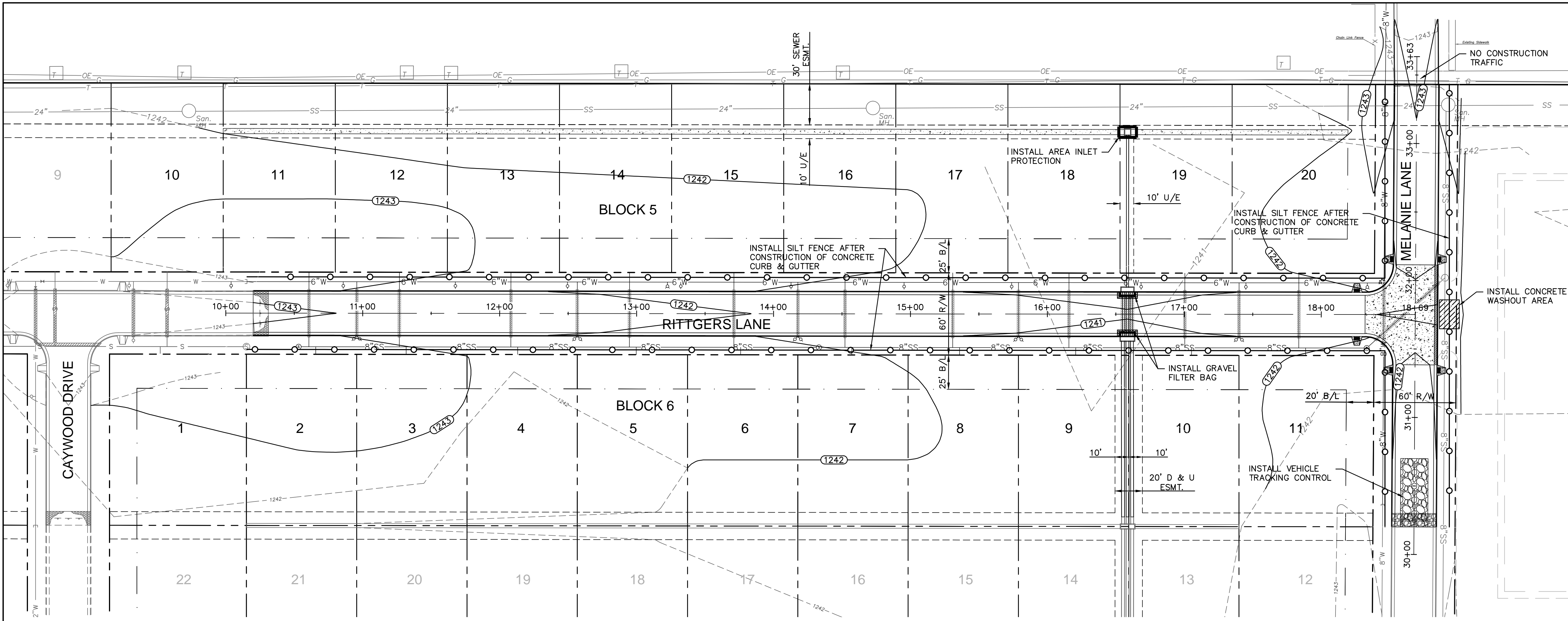
**REVISIONS**

2010

**GENERAL LAYOUT**  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

drawn by: AJK	checked by: BWS
approved by: PWP	QA/QC by: TLD
project no.: 009-1218	drawing no.: 81218-GLP
date: APRIL 28, 2010	

**SHEET 4 OF 24**



**EROSION CONTROL GENERAL NOTES:**

1. THE INTENT OF THIS EROSION CONTROL PLAN IS TO ASSIST THE CONTRACTOR IN HIS RESPONSIBILITY TO PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR NECESSARY TO CONTROL EROSION, SILTATION AND DISCHARGES OF SOIL MATERIAL (SEDIMENT) INTO DOWNSTREAM SYSTEMS OR RECEIVING CHANNELS. THIS SHALL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION AND UNTIL SUITABLE GROUND COVER IS ESTABLISHED FOR ALL DISTURBED AREAS. IF ANY METHOD OF CONTROL FAILS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY, SO THAT THE OWNER OR HIS AGENT CAN REVIEW THE CONTRACTORS PROPOSED METHOD OF REPAIR.

THIS PLAN INDICATES THE CRITICAL AREA(S) OF CONCERN AND THESE AREA(S) WILL BE CONTROLLED AS A MINIMUM. THE CONTROL MAY CONSIST OF TEMPORARY CONTROL MEASURES AS SHOWN ON THE PLANS OR ORDERED BY THE OWNER DURING THE LIFE OF THE CONTRACT TO CONTROL EROSION OR WATER POLLUTION, THROUGH THE USE OF BERMS, DIKES, DAMS, SEDIMENT BASINS, FIBER MATS, NETTING, STRAW BALES, GRAVEL, MULCHES, GRASSES, SLOPE DRAINS, DIVERSION SWALES OR OTHER EROSION CONTROL DEVICES OR METHODS. THE OWNER HAS THE AUTHORITY TO LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY THE CONSTRUCTION OPERATIONS AND TO DIRECT THE CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, OR OTHER AREAS OF WATER IMPOUNDMENT OR CONVEYANCES.

2. WHERE SOIL DISTURBING ACTIVITIES CEASE IN AN AREA FOR MORE THAN 14 DAYS, THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES. IF THE SLOPE OF THE AREA IS GREATER THAN 3:1 OR IF THE SLOPE IS GREATER THAN 3% AND GREATER THAN 150 FEET IN LENGTH, THEN THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES IF ACTIVITIES CEASE FOR MORE THAN SEVEN (7) DAYS.

3. EXISTING VEGETATION SHALL BE PRESERVED TO THE EXTENT WHERE POSSIBLE AND WHERE PRACTICAL, IN NO CASE SHALL DISTURBED AREAS REMAIN WITHOUT VEGETATIVE GROUND COVER FOR A PERIOD IN EXCESS OF 60 DAYS.

4. ADDITIONAL SITE MANAGEMENT PRACTICES WHICH SHALL BE ADHERED TO DURING THE CONSTRUCTION PROCESS SHALL INCLUDE: SOLID AND HAZARDOUS WASTE MANAGEMENT INCLUDING PROVIDING TRASH CONTAINERS AND REGULAR SITE CLEAN UP FOR PROPER DISPOSAL OF SOLID WASTE SUCH AS BUILDING MATERIAL, PRODUCT/MATERIAL SHIPPING WASTE, FOOD CONTAINERS AND CUPS, AND PROVIDING CONTAINERS FOR THE PROPER DISPOSAL OF WASTE PAINTS SOLVENTS, AND CLEANING COMPOUNDS.

PROVISIONS OF PORTABLE TOILETS FOR PROPER DISPOSAL OF SANITARY SEWAGE.

STORAGE OF CONSTRUCTION MATERIALS AWAY FROM DRAINAGE COURSES AND LOW AREAS.

INSTALLATION OF CONTAINMENT BERMS AND USE OF DRIP PANS AT PETROLEUM PRODUCT AND LIQUID STORAGE TANKS AND CONTAINERS.

5. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON-SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. THIS SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER COMPLETING THE WORK, IN ANY AREA. IF THIS IS OUTSIDE OF THE SEEDING PERIOD, SILT BARRIERS OR OTHER SIMILARLY EFFECTIVE MEASURES SHALL BE PROVIDED UNTIL SUCH TIME THAT THE AREAS CAN BE SEEDED.

6. ALL EROSION CONTROL MEASURES, TEMPORARY OR PERMANENT, REQUIRE MAINTENANCE TO PRESERVE THEIR EFFECTIVENESS. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL EVENT OF 0.5" OR GREATER, AND AT LEAST ONCE PER MONTH. ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY. ALL COSTS ASSOCIATED WITH THE REPAIR WORK INCLUDING RELATED INCIDENTALS WILL BE THE CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE CONTRACTORS BID FOR THE PROPOSED WORK. INSPECTION REPORTS ARE TO BE PREPARED AND RECORDS KEPT AS PER THE GENERAL PERMIT REQUIREMENTS.

7. INSTALL VEHICLE TRACKING STATION AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING THE SITE.

8. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL SPECIFICATIONS OF THE CITY OF SALINA, KANSAS.




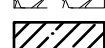
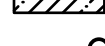
9. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT PROJECT FROM SCHILLING ROAD.

**CAUTION - NOTICE TO CONTRACTOR:**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

**THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.**

**PROPOSED LEGEND**

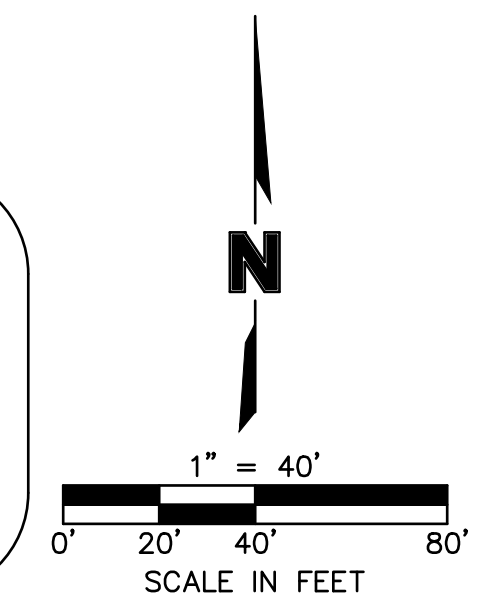
-  INSTALL GRAVEL FILTER BAG
-  INSTALL AREA INLET PROTECTION
-  INSTALL VEHICLE TRACKING CONTROL
-  INSTALL CONCRETE WASHOUT AREA
-  INSTALL SILT FENCE

2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL: jce@kveeng.com

**KV**

KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION #E-113, EXPIRES 12/31/14  
 PROJ. NO. A13\_6395 DSN: DWN: JT  
 CFN: 812818-ERC



**AS-BUILT**

REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	8/27/13	AS-BUILT PLANS

**EROSION CONTROL PLAN**

**QUAIL MEADOWS - PHASE V**  
**SCHILLING ROAD & OHIO STREET**

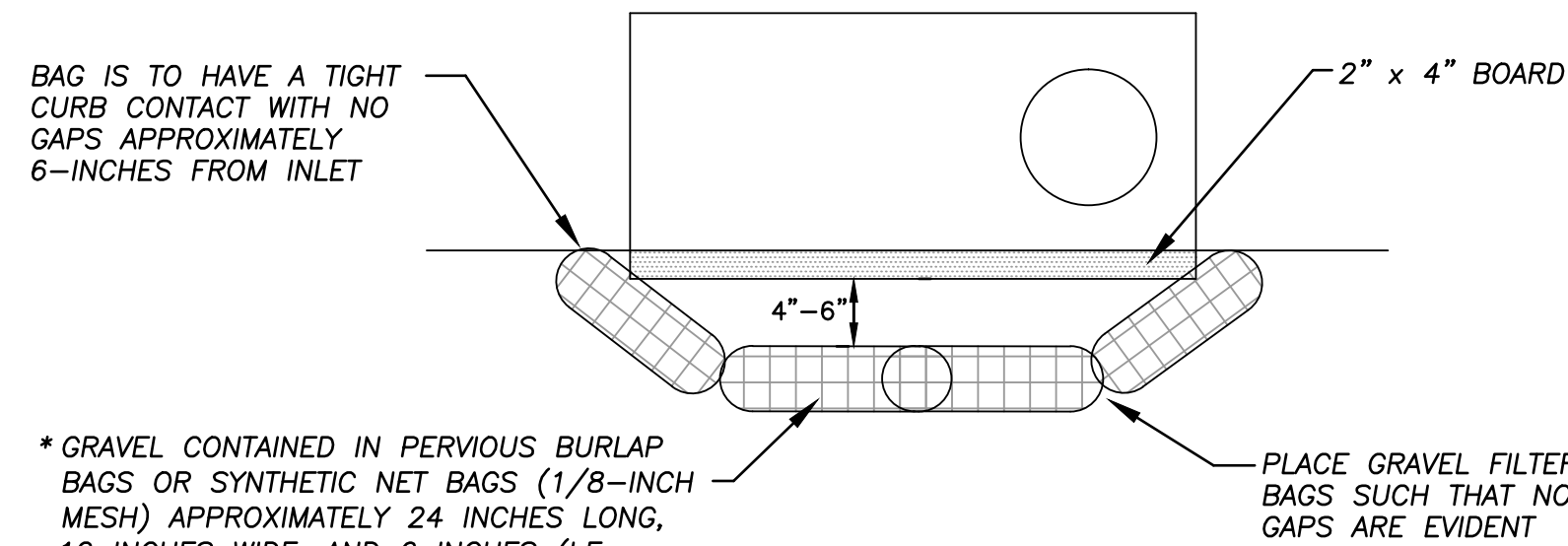
**2010**

**SALINA, KANSAS**

drawn by:	AJK
checked by:	BWS
approved by:	PWP
QA/QC by:	TLD
project no.:	008-1218
drawing no.:	81218-ERC
date:	APRIL 28, 2010

**SHEET**  
**5 OF 24**

DWG: Z:\Civl\_3D\_Proj\81218\AS-BUILT\QUAIL MEADOWS PHASE V\81218-ERC.dwg, 8/28/2013 9:47:07 AM, Trumpp  
 DATE: Aug 28, 2013 9:47:07 AM  
 USER: Trumpp  
 81218\_XCON-MESH  
 0A\_24x36  
 V:\81218-ERC.dwg  
 81218\_PHASE  
 81218\_XTOP  
 XREFS: 81218\_XBDU-2



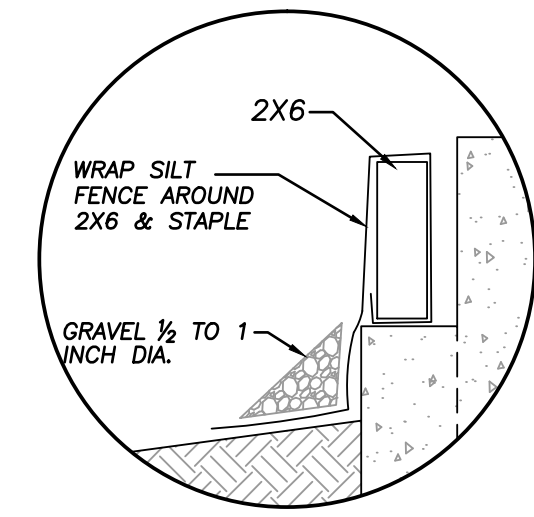
BAG IS TO HAVE A TIGHT CURB CONTACT WITH NO GAPS APPROXIMATELY 6-INCHES FROM INLET

\* GRAVEL CONTAINED IN PERVIOUS BURLAP BAGS OR SYNTHETIC NET BAGS (1/8-INCH MESH) APPROXIMATELY 24 INCHES LONG, 12 INCHES WIDE, AND 6 INCHES (I.E. CURB HEIGHT) HIGH.

PLACE GRAVEL FILTER BAGS SUCH THAT NO GAPS ARE EVIDENT

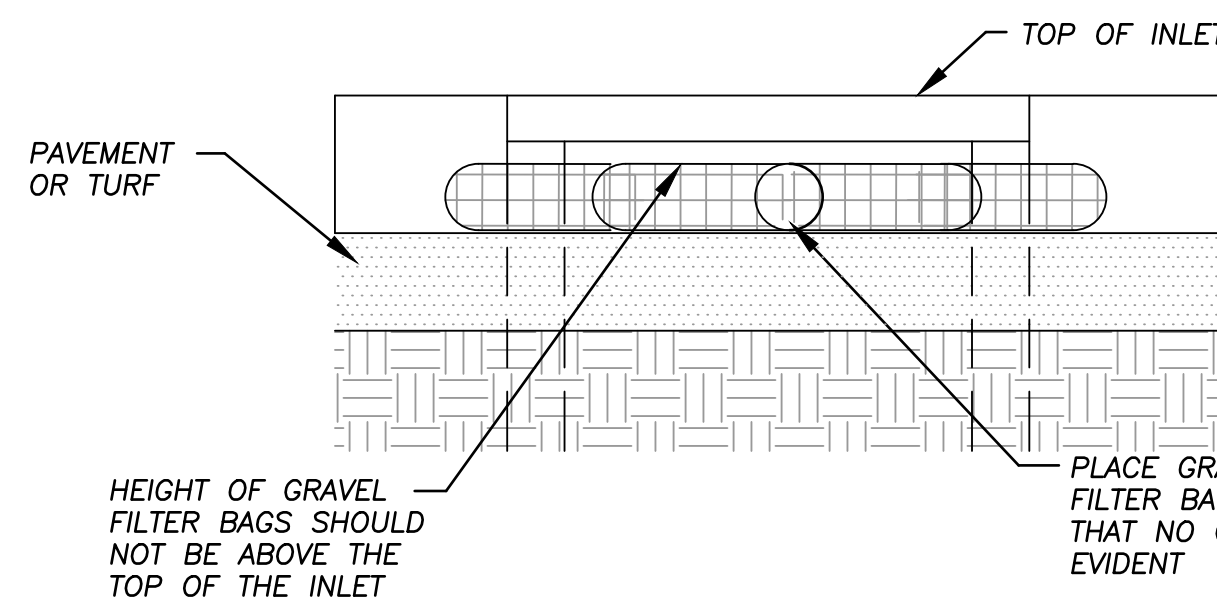
**TOP VIEW**

\* COARSE AGGREGATE FROM 1/2" TO 1" DIAMETER.



**DETAIL A**

FOR PROTECTION PRIOR TO POURING THROAT



**FRONT VIEW**

**CURB INLET SEDIMENT FILTER**

NOT TO SCALE

**NOTES**

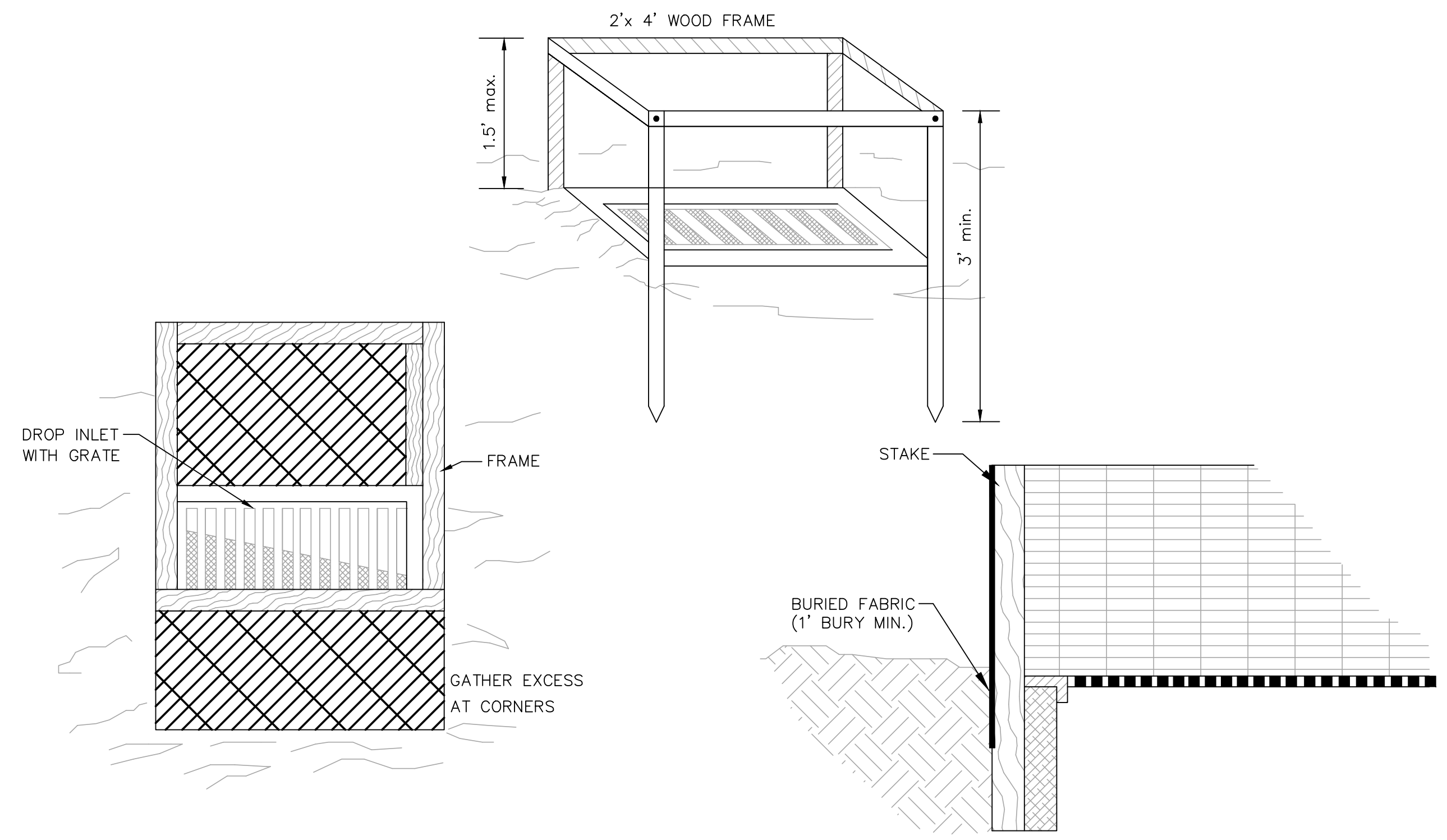
- ALTERNATIVE APPROVED CURB INLET SEDIMENT FILTER MATERIALS INCLUDE:
  - A. LOG OR WATTLE PRODUCTS
  - B. GUTTER BUDDIES
  - C. OTHER MATERIAL WITH APPROVAL OF THE CITY
- IMMEDIATELY FOLLOWING INLET CONSTRUCTION AND PRIOR TO CONSTRUCTION OF CURB AND INLET THROAT, PROTECT INLET OPENING BY INSTALLING 2 X 6 BOARD AND SILT FENCING IN ACCORDANCE WITH DETAIL A.
- CONTRACTOR TO CLEAN OUT SEDIMENT AFTER EACH SIGNIFICANT RAINFALL. SEDIMENT REMOVAL SHALL NOT INVOLVE WASHING MATERIALS INTO INLET.
- DURING CONSTRUCTION OF RESIDENTIAL SUBDIVISIONS, THE FILTER BAG SHALL BE REPLACED BEFORE BAG MATERIAL BECOMES DEGRADED. ANY GRAVEL DEPOSITED INTO THE INLET SHALL BE PROMPTLY REMOVED.

**CONSTRUCTION SPECIFICATIONS**

- AS SYNTHETIC FABRIC, USE A PERVIOUS SHEET OF NYLON, POLYESTER, OR ETHYLENE YARN - EXTRA STRENGTH - THAT CONTAINS ULTRAVIOLET RAY INHIBITORS AND STABILIZERS. FABRIC SHOULD BE SUFFICIENTLY POROUS TO PROVIDE ADEQUATE DRAINAGE OF THE TEMPORARY SEDIMENT POOL. BURLAP MAY BE USED FOR SHORT-TERM APPLICATIONS. IT MUST BE REPLACED EVERY 60 DAYS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS.
- FOR STAKES, USE 2 X 4 INCH WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF THREE FEET.
- SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF THREE FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18 INCHES APART.
- TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2 X 4 INCH WOOD STRIPS AROUND THE CREST TO THE OVERFLOW AREA AT A MINIMUM OF 1.5 FEET ABOVE THE DROP INLET CREST.
- PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH AT LEAST FOUR INCHES OF CRUSHED STONE OR TWELVE INCHES OF COMPACTED SOIL.
- FASTEN FABRIC SECURELY TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
- THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM BYPASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW. MATERIAL FROM WITHIN THE SEDIMENT POOL MAY BE USED FOR DIKING.

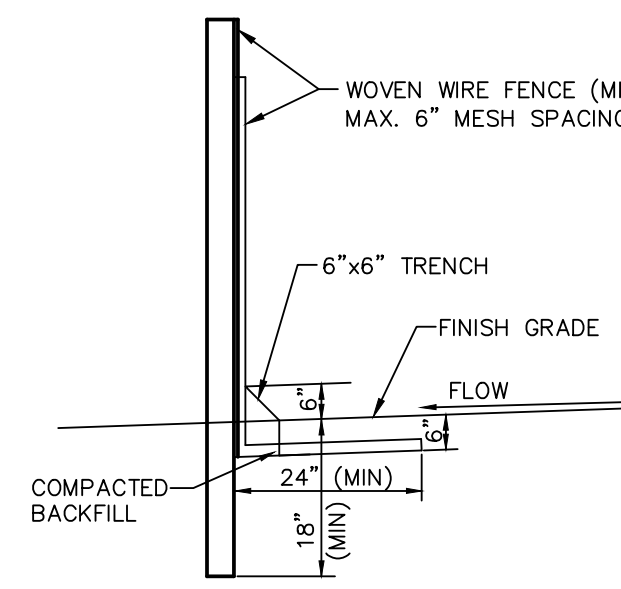
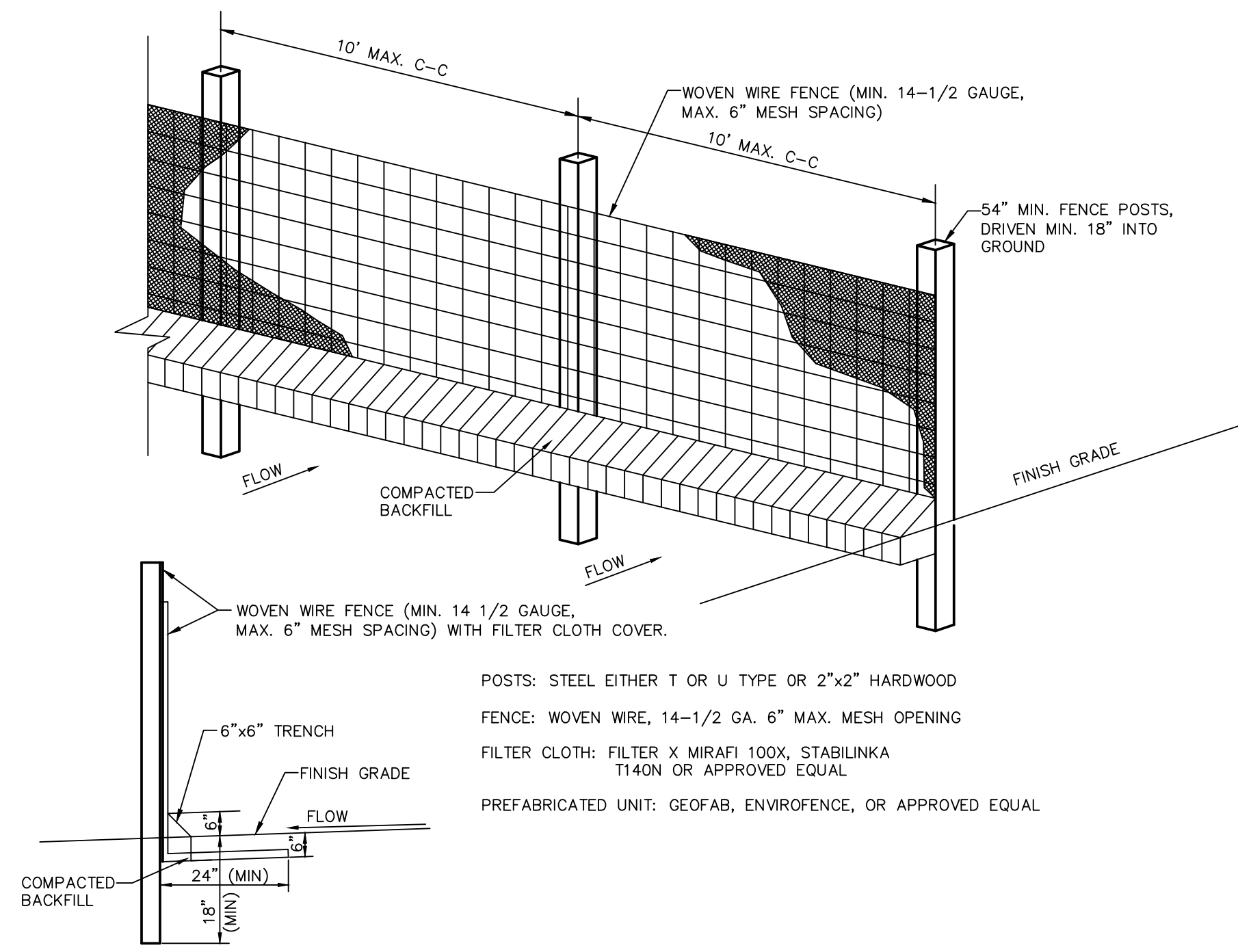
**MAINTENANCE**

- INSPECT THE FABRIC BARRIER AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED.
- REMOVE SEDIMENT FROM THE POOL AREA NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN EVENT. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE FABRIC DURING SEDIMENT REMOVAL.
- WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SEDIMENT AND DISPOSE OF THEM PROPERLY. BRING THE DISTURBED AREA TO THE GRADE OF THE DROP INLET AND SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.



**TEMPORARY AREA INLET PROTECTION**

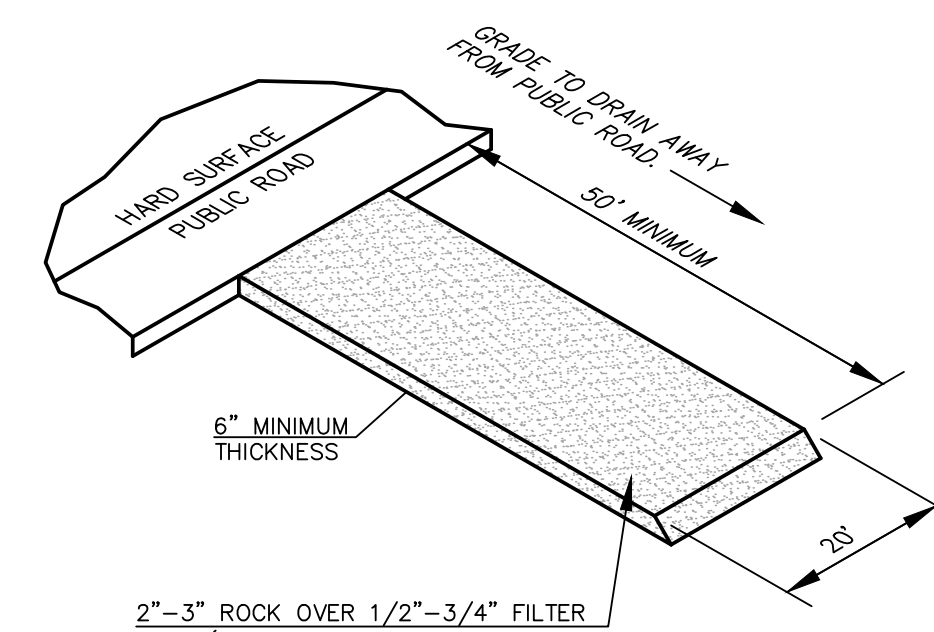
NOT TO SCALE



- POSTS: STEEL EITHER T OR U TYPE OR 2"x2" HARDWOOD
- FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING
- FILTER CLOTH: FILTER X MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
- PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

**SEDIMENTATION FENCE**

NOT TO SCALE



**VEHICLE TRACKING CONTROL**

NOT TO SCALE

2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL: jse@kaveng.com

**KAW VALLEY ENGINEERING, INC.**  
 CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION #E-113. EXPIRES 12/31/14

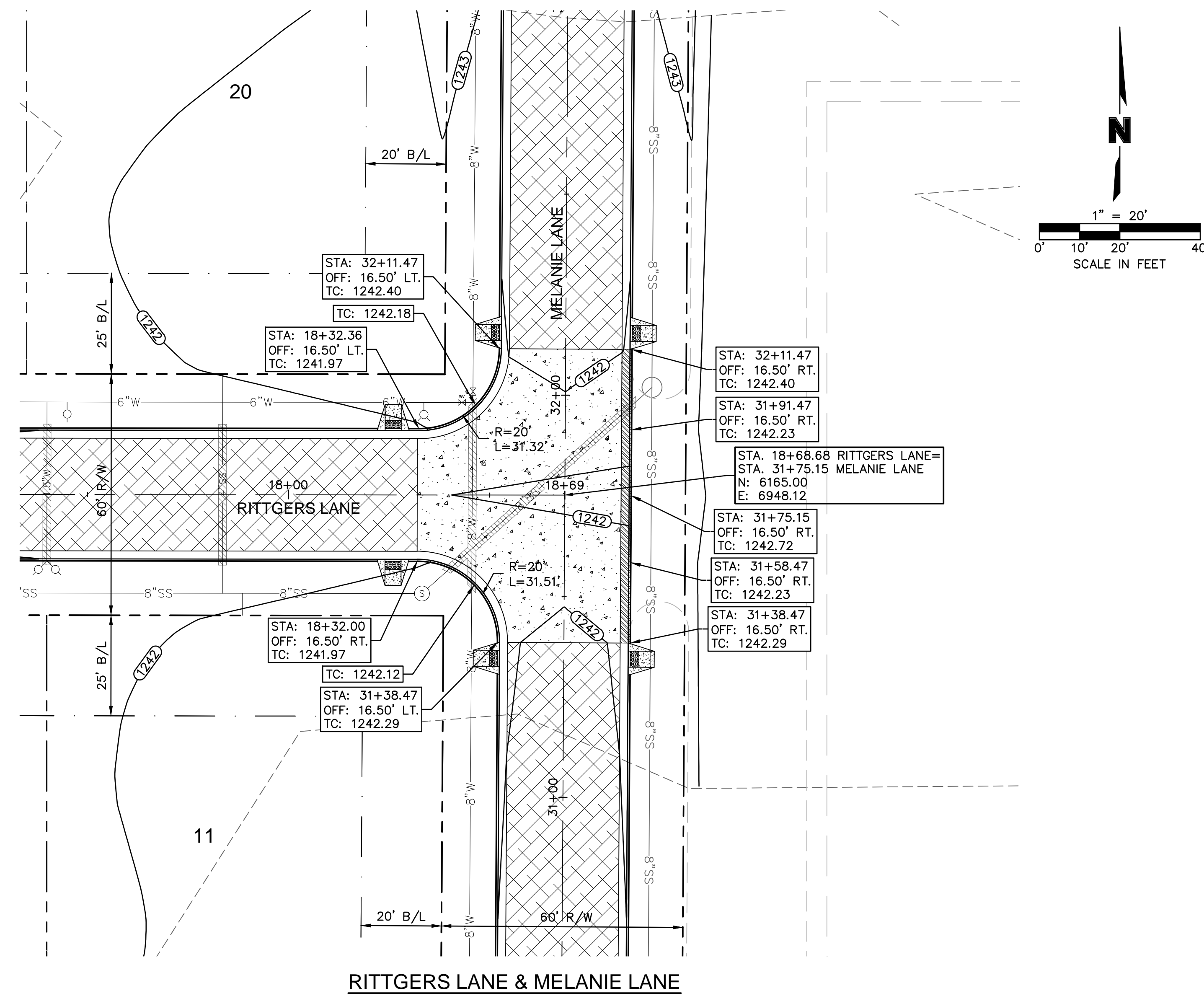
PROJ. NO. A13\_6395 DSN:  
 CFN: 812818-ERC DWN: JT

**AS-BUILT**

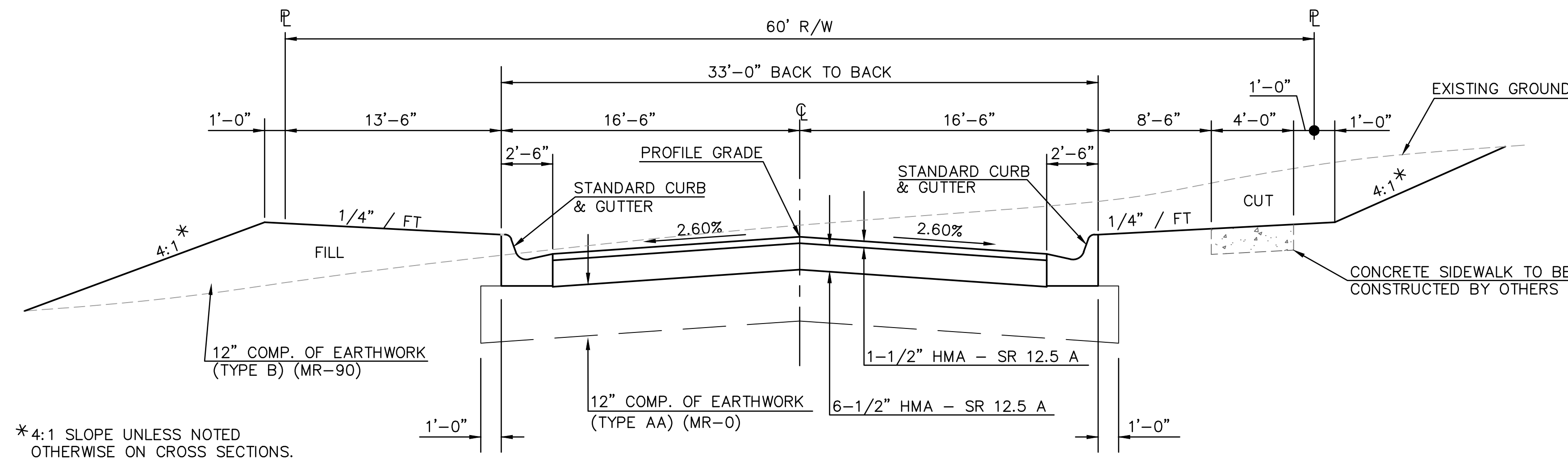
REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	8/27/13	AS-BUILT PLANS

REVISIONS	2010
EROSION CONTROL DETAILS	
QUAIL MEADOWS - PHASE V	
SCHILLING ROAD & OHIO STREET	
SALINA, KANSAS	

DWG: Z:\Civl\_3D\_Proj\13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-ERC.dwg  
 DATE: Aug 28, 2013 9:47am  
 USER: Trumpp  
 81218\_XCON-MESH  
 81218\_XTOPO  
 81218\_PBASE  
 81218\_XDOU-2  
 81218\_XDOU-2  
 0A\_24x36

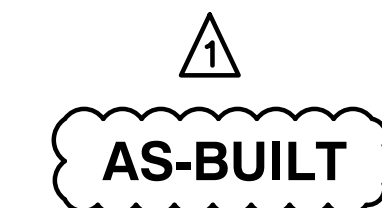
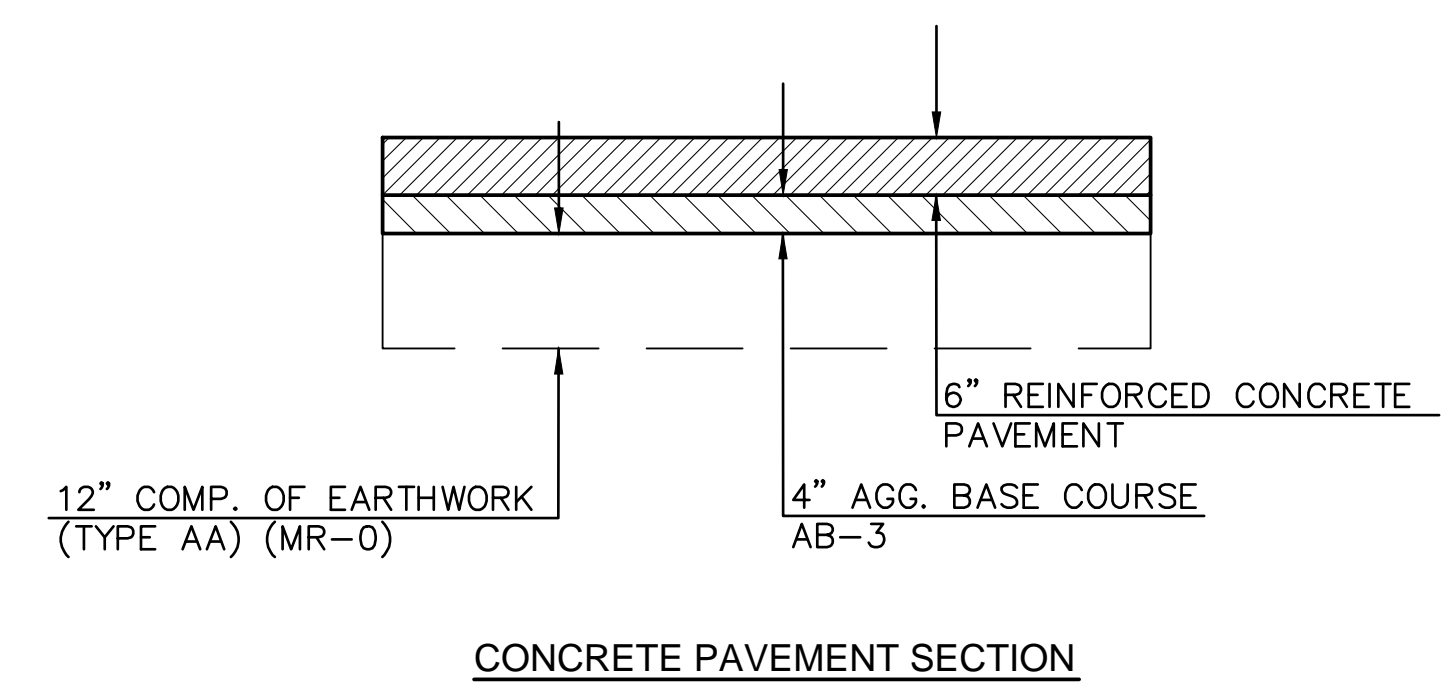
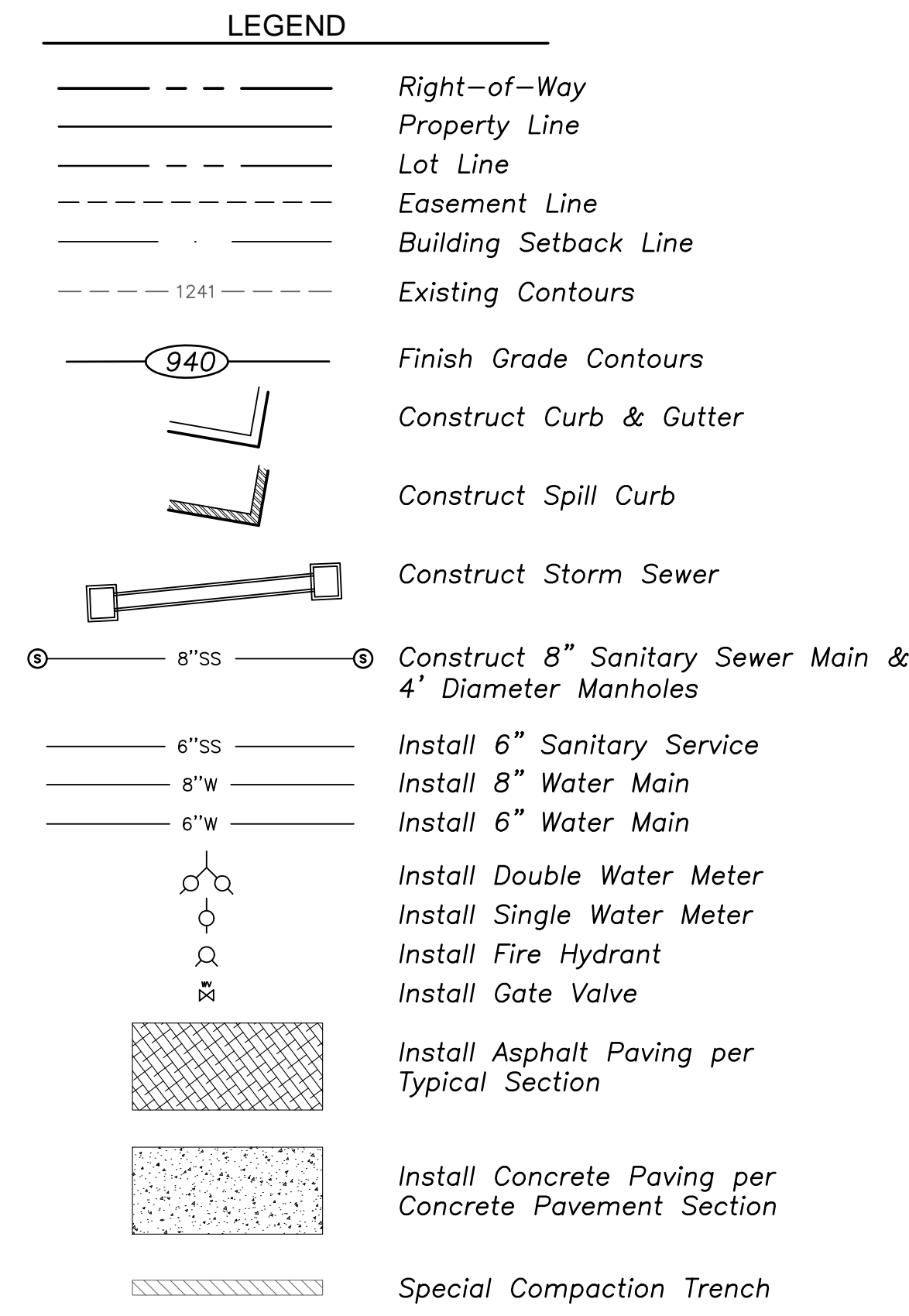


RITTGERS LANE & MELANIE LANE



TYPICAL SECTION

STA. 10+20.00 TO STA. 18+32.00, RITTGERS LANE  
 STA. 30+20.00 TO STA. 31+38.47, MELANIE LANE  
 STA. 32+11.47 TO STA. 33+43.40, MELANIE LANE



2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL jc@kveng.com

**KV**  
 KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS

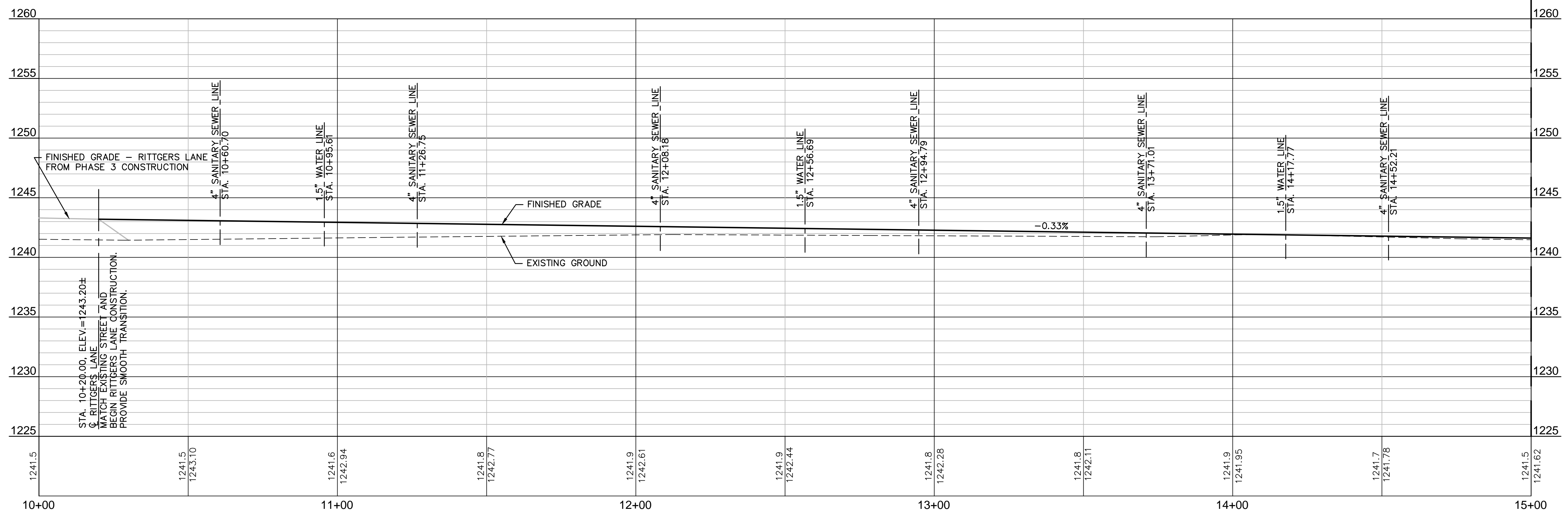
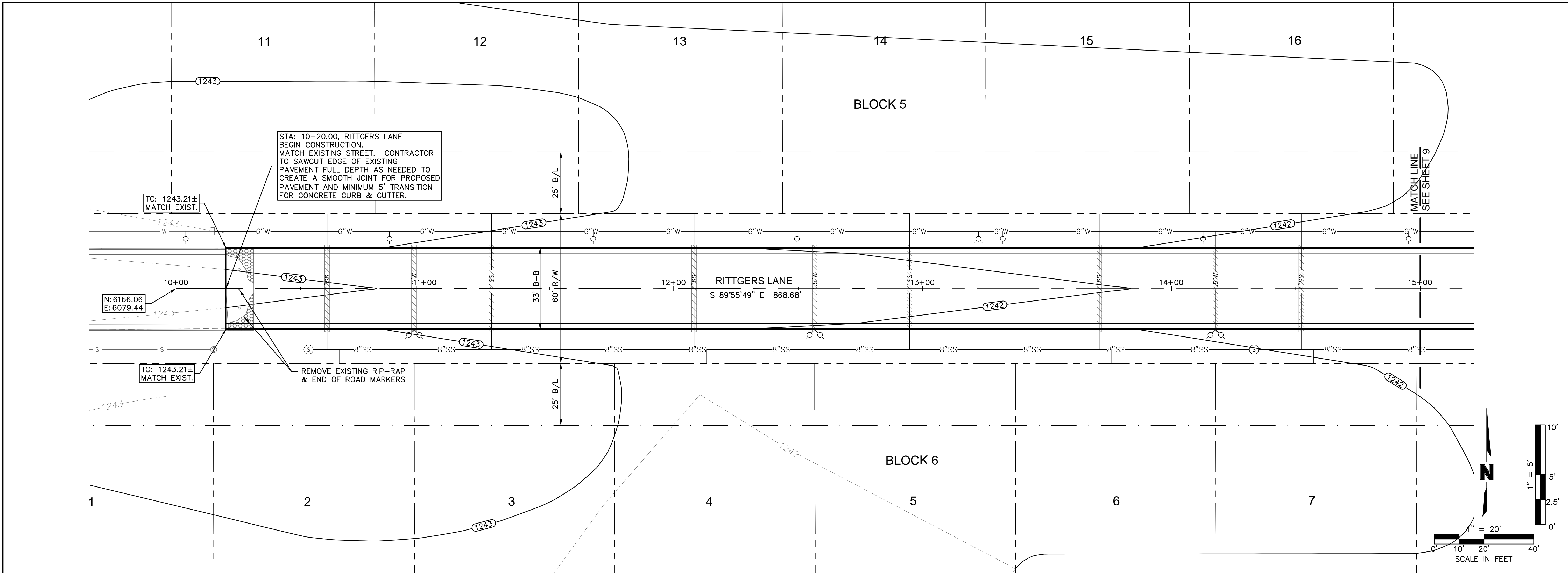
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION #E-113. EXPIRES 12/31/14

PROJ. NO. A13\_6395 DSN: JT  
 CFN: 812818-TYP DWN: JT

REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	8/27/13	AS-BUILT PLANS

TYPICAL SECTIONS & INTERSECTION DETAIL  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

2010



2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL jc@kveneng.com

KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER  
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
 AUTHORIZATION #E-113, EXPIRES 12/31/14

PROJ. NO. A13\_6395 DSN:  
 CFN: 812818-RPP01 DWN: JT



REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	8/27/13	AS-BUILT PLANS

**MOLSSON ASSOCIATES**

2637 FCS Plaza, Suite 101W  
 Manhattan, Kansas 66503-8154  
 TEL: 785.659.6900  
 FAX: 785.539.6901  
 www.caconsul.com

RITTIGERS LANE  
 PLAN & PROFILE

QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET

SALINA, KANSAS

2010

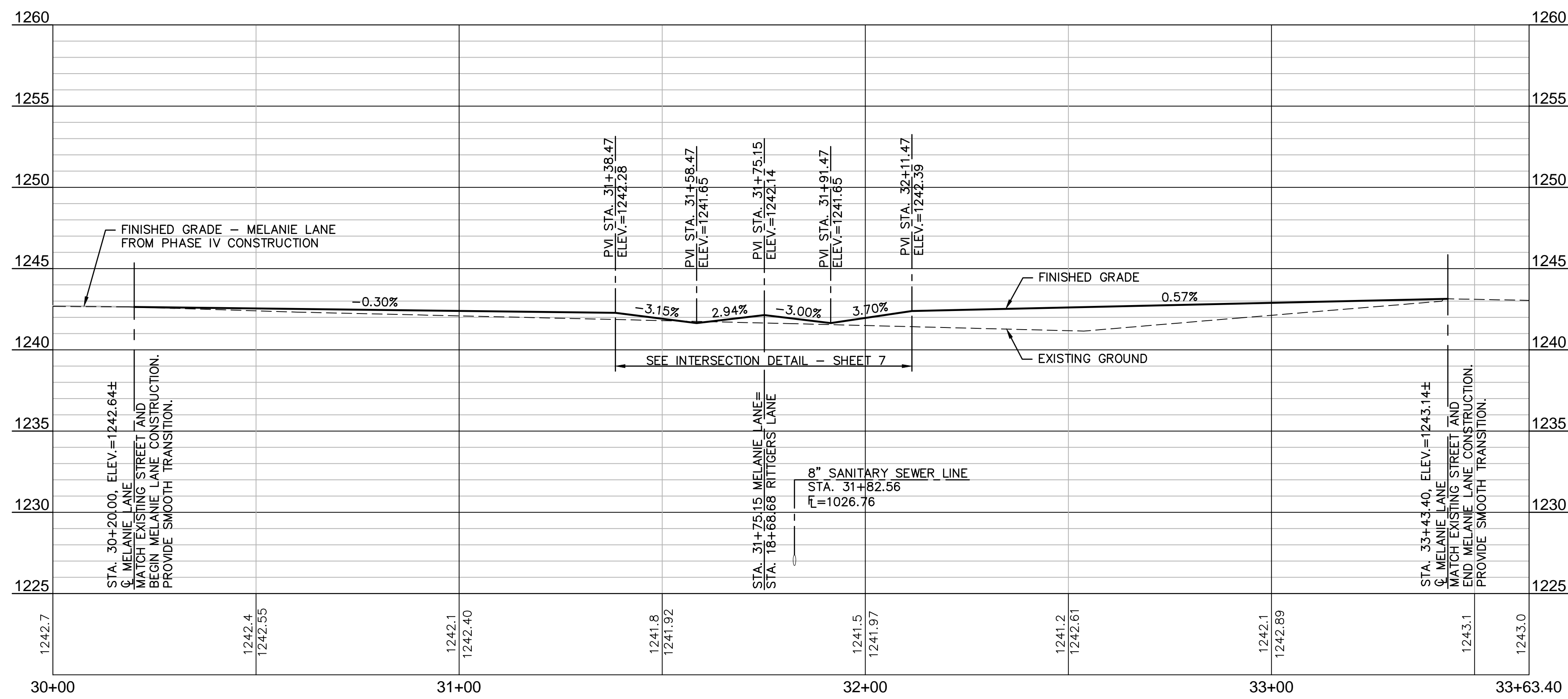
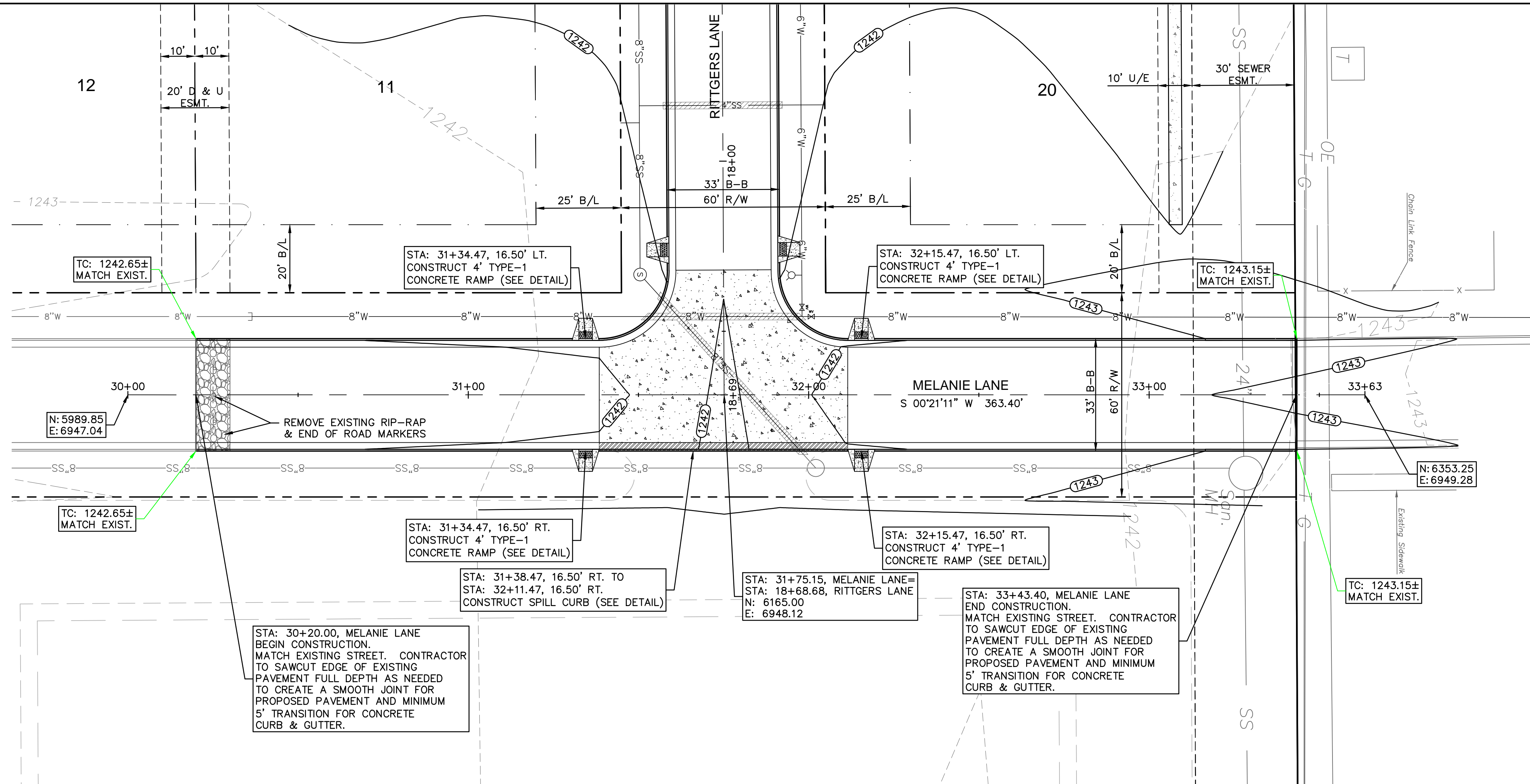
REVISIONS

SHEET  
 8 OF 24



Z:\Civil 3D Projects\113\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-RPP02.dwg 8/28/2013 9:56:49 AM, Trump

DWG: Z:\Civil 3D Projects\113\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-RPP02.dwg USER: Trump  
DATE: Aug 28, 2013 9:56am XREFS: 81218\_XBDU-2 81218\_XTOPO 81218\_PBASE 81218\_XCON-MESH

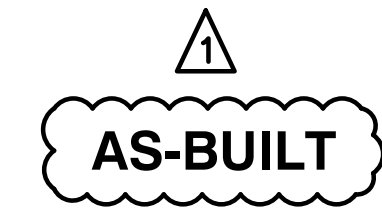


2319 NORTH JACKSON  
P.O. BOX 1304  
JUNCTION CITY, KANSAS 66441  
(785)762-5040  
FAX: (785)762-7744  
E-MAIL: jse@kveeng.com

**KAW VALLEY ENGINEERING, INC.**  
CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER  
ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
AUTHORIZATION #E-113, EXPIRES 12/31/14

PROJ. NO. A13\_6395 DSW  
CFN: 812818-RPP02 DWN: JT



REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	8/27/13	AS-BUILT PLANS

REVISED	DATE	DESCRIPTION

**MELANIE LANE  
PLAN & PROFILE**

**QUAIL MEADOWS - PHASE V  
SCHILLING ROAD & OHIO STREET**

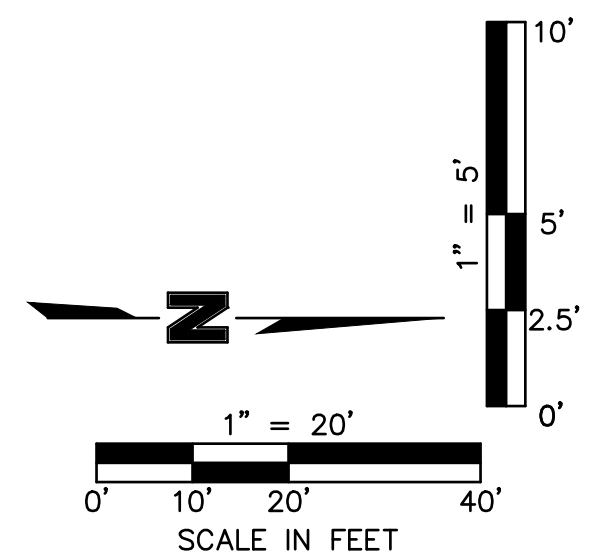
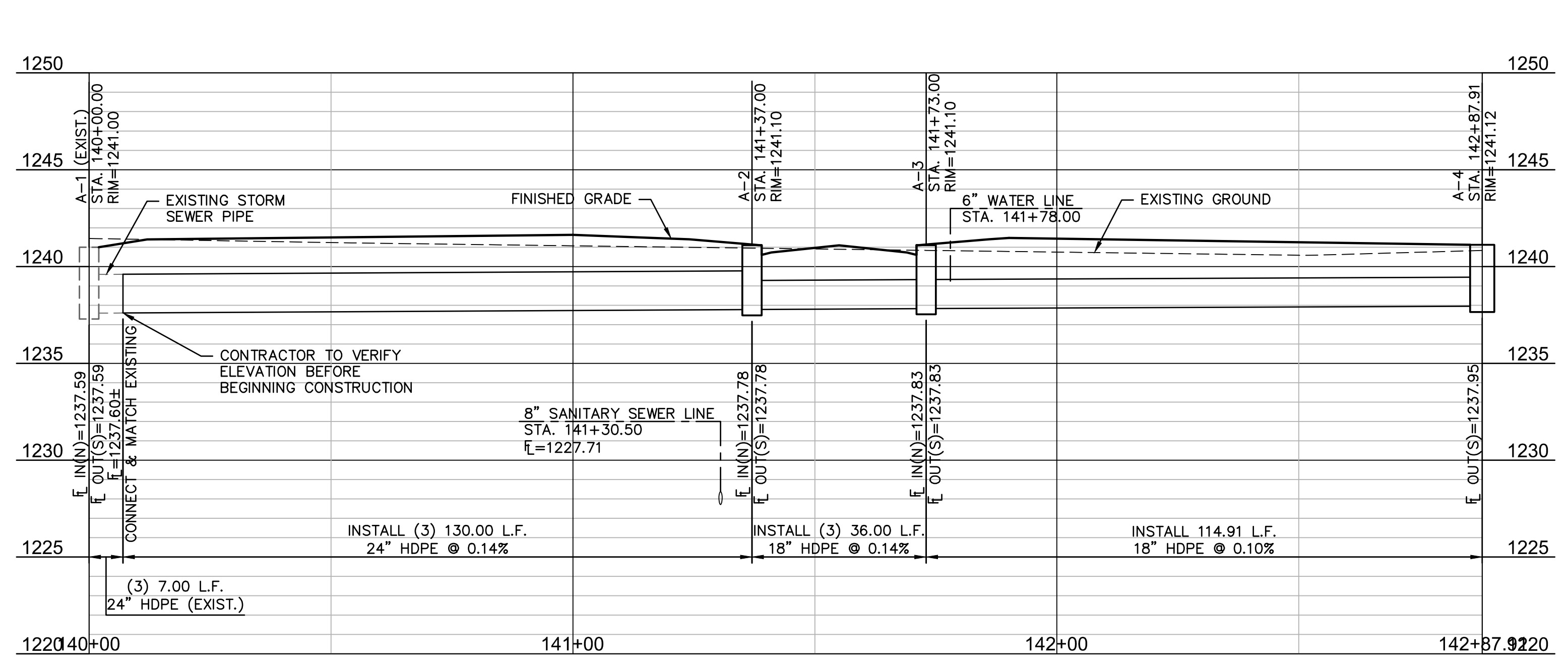
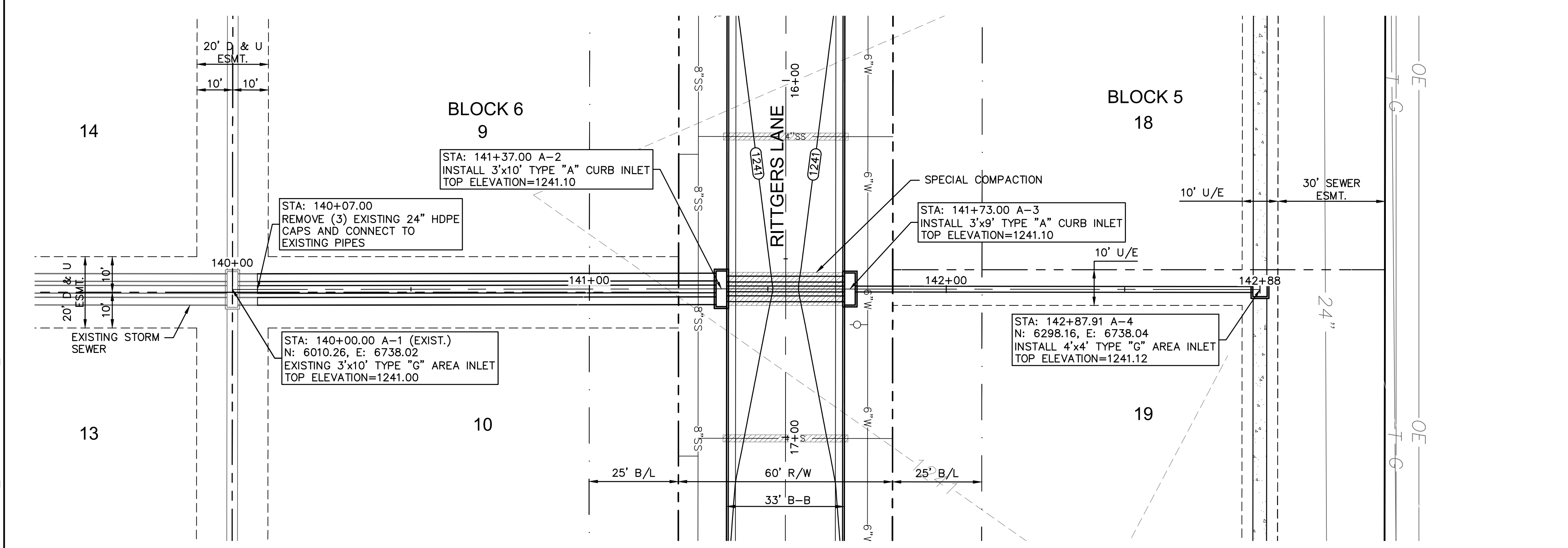
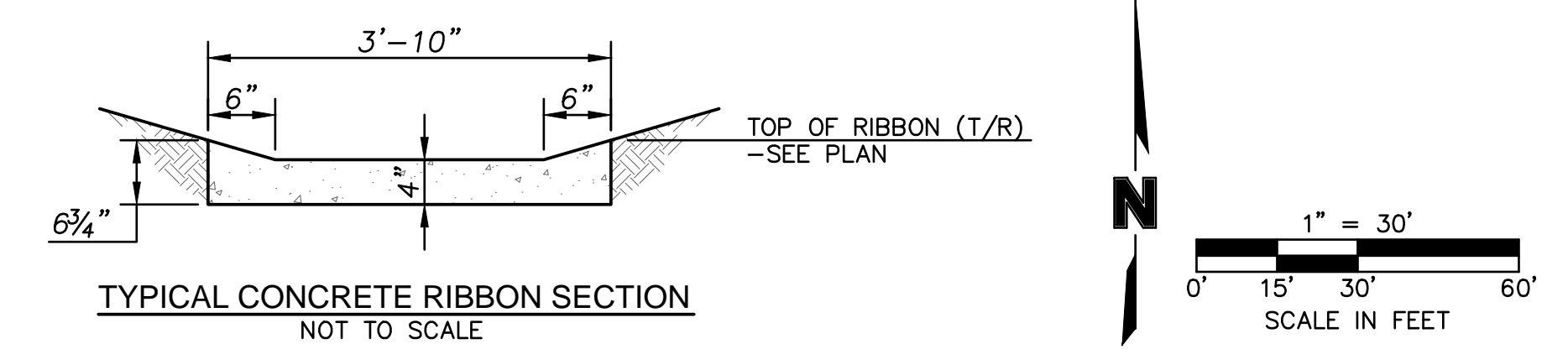
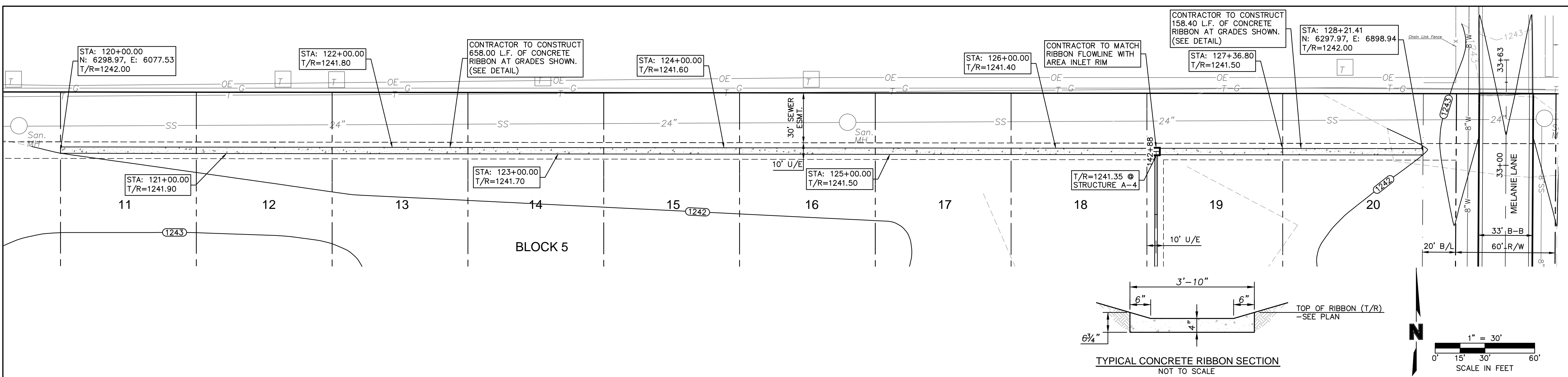
**SALINA, KANSAS**

2010

**OLSSON  
ASSOCIATES**

2627 WES Plaza, Suite 101W  
Manhattan, Kansas 66503-8154  
TEL: 785.659.6900  
FAX: 785.539.6901  
www.olson.com

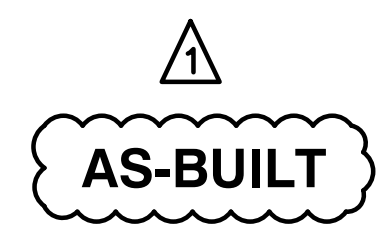
DWG: Z:\Civl\_3D Projects\A13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-STW01.dwg  
 DATE: Aug 28, 2013 9:48am  
 USER: Trumpp  
 81218\_XCON-MESH  
 81218\_PBASE  
 81218\_XTOPO  
 0A\_24x36



2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL: jce@kveeng.com  
 KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER  
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
 AUTHORIZATION #E-113, EXPIRES 12/31/14  
 PROJ. NO. A13\_6395 DSN:  
 CFN: 81218-STW01 DWN: JT

**BENCHMARK:**  
 CBM: #265 U.S.G.S. BRASS DISK IN CONC. STAMPED "C-292-1952",  
 29' WEST OF WEST RAIL & 40' NORTH OF CENTERLINE SCHILLING RD.  
 ELEVATION=1245.22

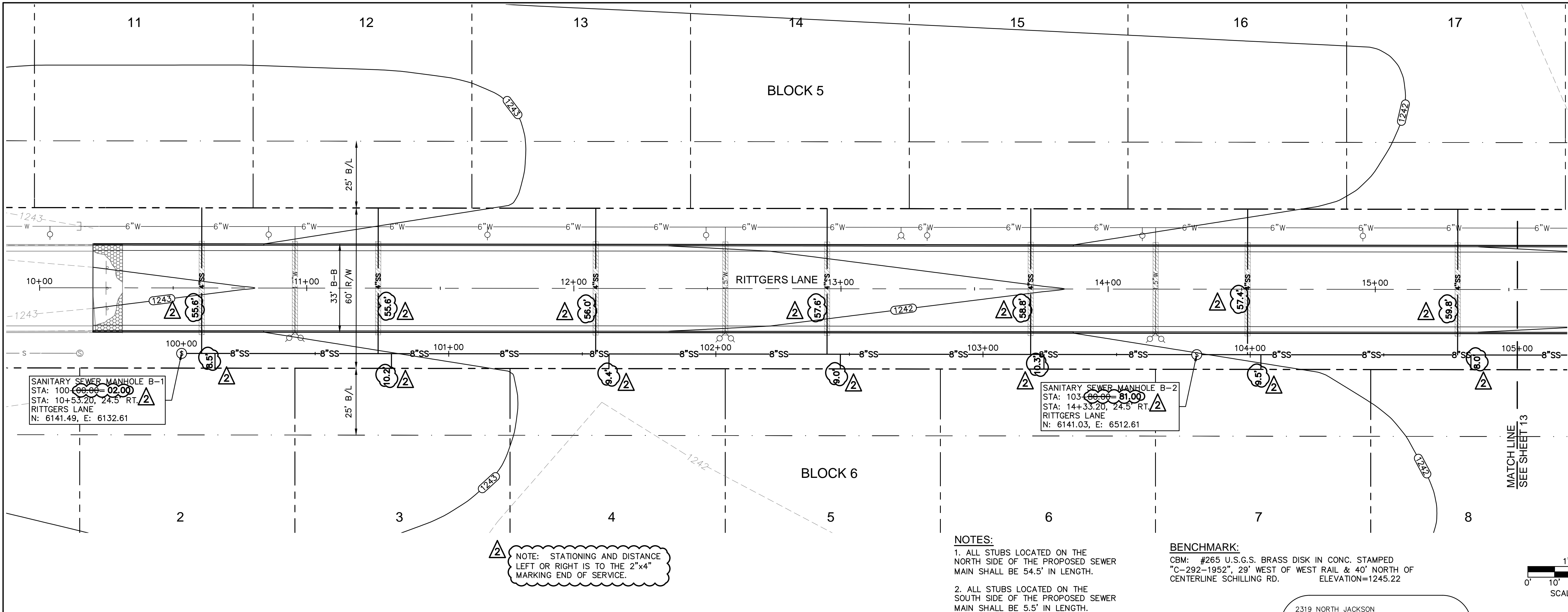
**NOTE:**  
 CONTRACTOR TO VERIFY EXISTING STORM SEWER  
 FLOWLINE ELEVATIONS BEFORE CONSTRUCTION.



**OLSSON ASSOCIATES**  
 2637 FCS Plaza, Suite 101W  
 Manhattan, Kansas 66503-8154  
 TEL: 785.639.6900  
 FAX: 785.539.6901  
 www.olsonassociates.com

REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE AS-BUILT PLANS
1	8/27/13	

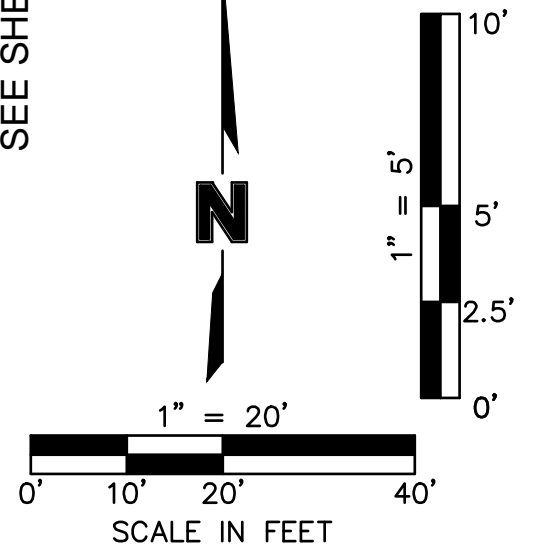
PUBLIC STORM SEWER  
 PLAN & PROFILE  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS  
 2010  
 SHEET  
 11 OF 24



NOTE: STATIONING AND DISTANCE LEFT OR RIGHT IS TO THE 2"x4" MARKING END OF SERVICE.

- NOTES:**
- ALL STUBS LOCATED ON THE NORTH SIDE OF THE PROPOSED SEWER MAIN SHALL BE 54.5' IN LENGTH.
  - ALL STUBS LOCATED ON THE SOUTH SIDE OF THE PROPOSED SEWER MAIN SHALL BE 5.5' IN LENGTH.

**BENCHMARK:**  
 CBM: #265 U.S.G.S. BRASS DISK IN CONC. STAMPED  
 "C-292-1952", 29' WEST OF WEST RAIL & 40' NORTH OF  
 CENTERLINE SCHILLING RD. ELEVATION=1245.22

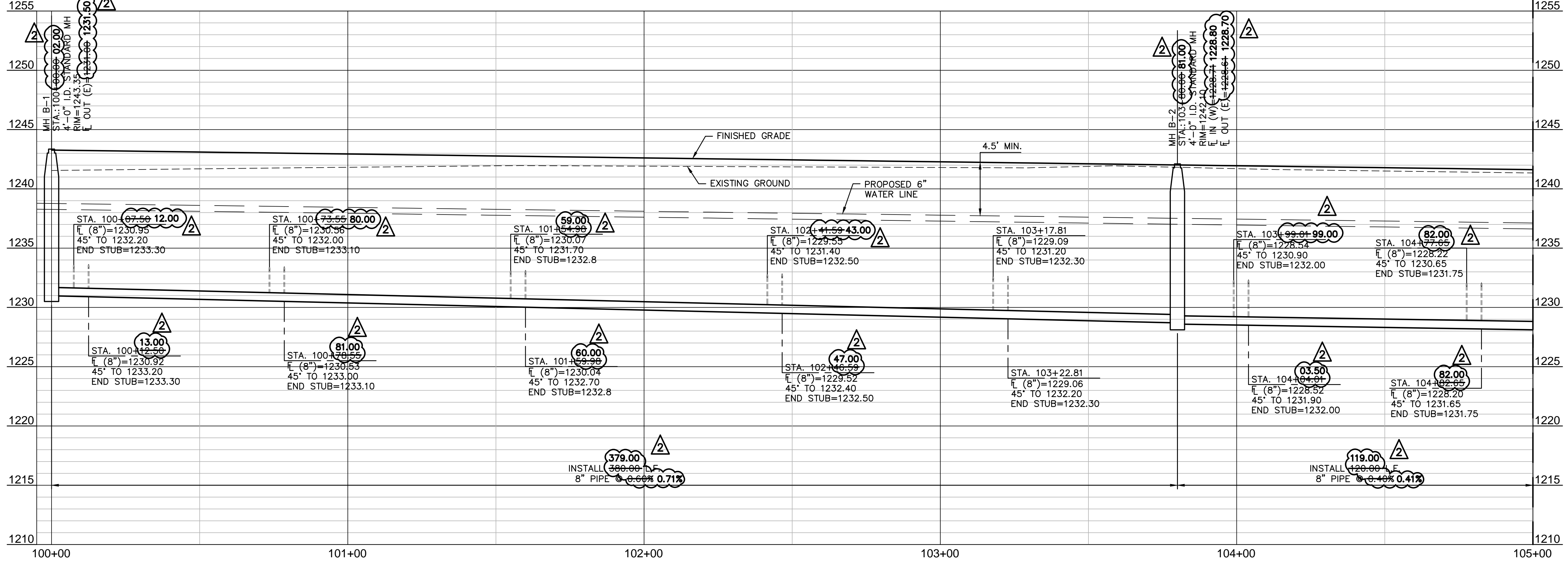


2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX (785)762-7744  
 E-MAIL: jv@kveeng.com

**KAW VALLEY ENGINEERING, INC.**  
 CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION #E-113. EXPIRES 12/31/14

CFN: 812818-SAN01 DWN: JT



**AS-BUILT**

DWG: Z:\Civl\_3D\Projects\13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-SAN01.dwg USER: Trumpp  
 DATE: Aug 28, 2013 9:48am XREFS: 81218\_XBODU-2 81218\_XTOPD 81218\_PBASE 81218\_XCON-MESH

REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	5/5/10	REVISED PER KICHE COMMENTS
2	8/27/13	AS-BUILT PLANS

**PUBLIC SANITARY SEWER PLAN & PROFILE**

QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

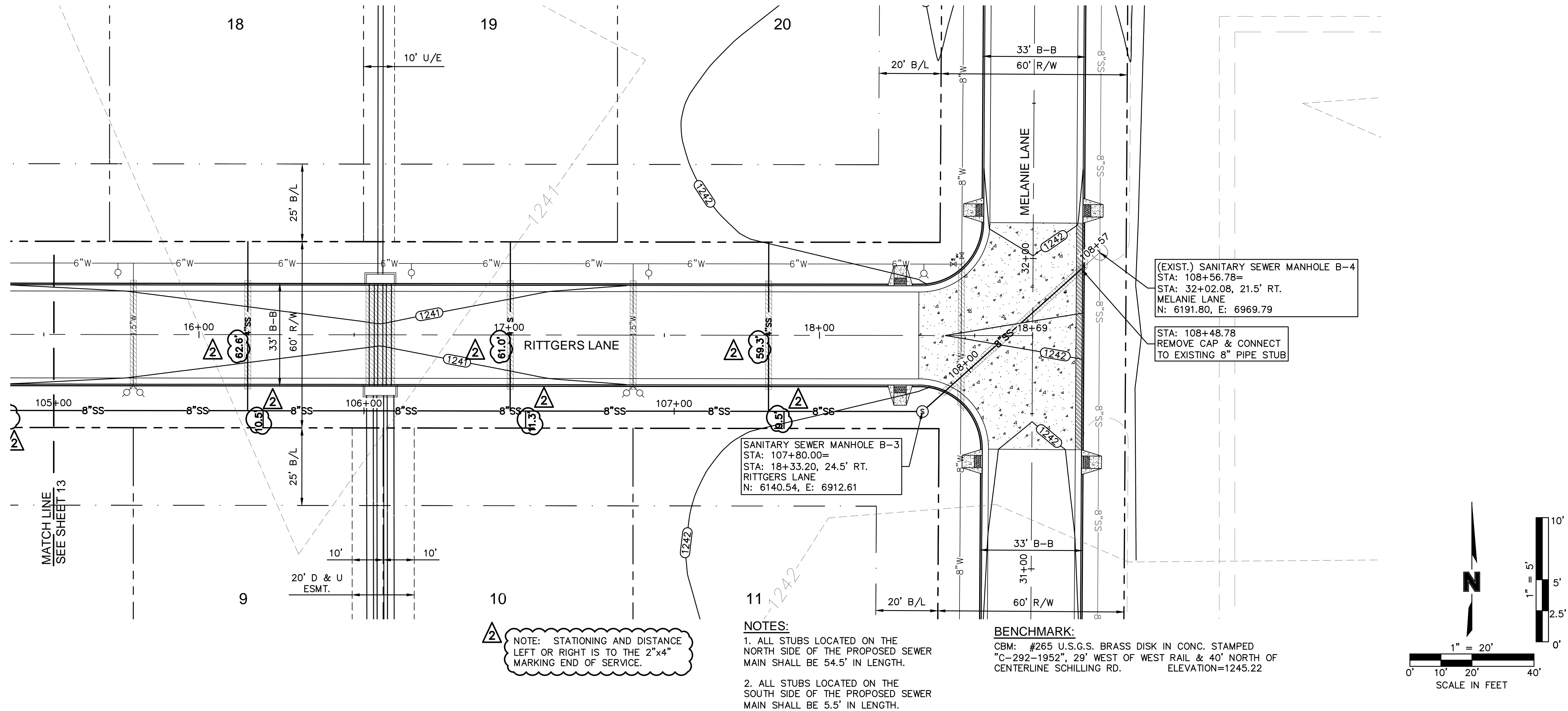
2010

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-SAN01  
 date: APRIL 28, 2010

**SHEET 12 OF 24**

Z:\Civil 3D Projects\113\_6395 SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-SAN01.dwg, 8/28/2013 9:45:05 AM, Trump

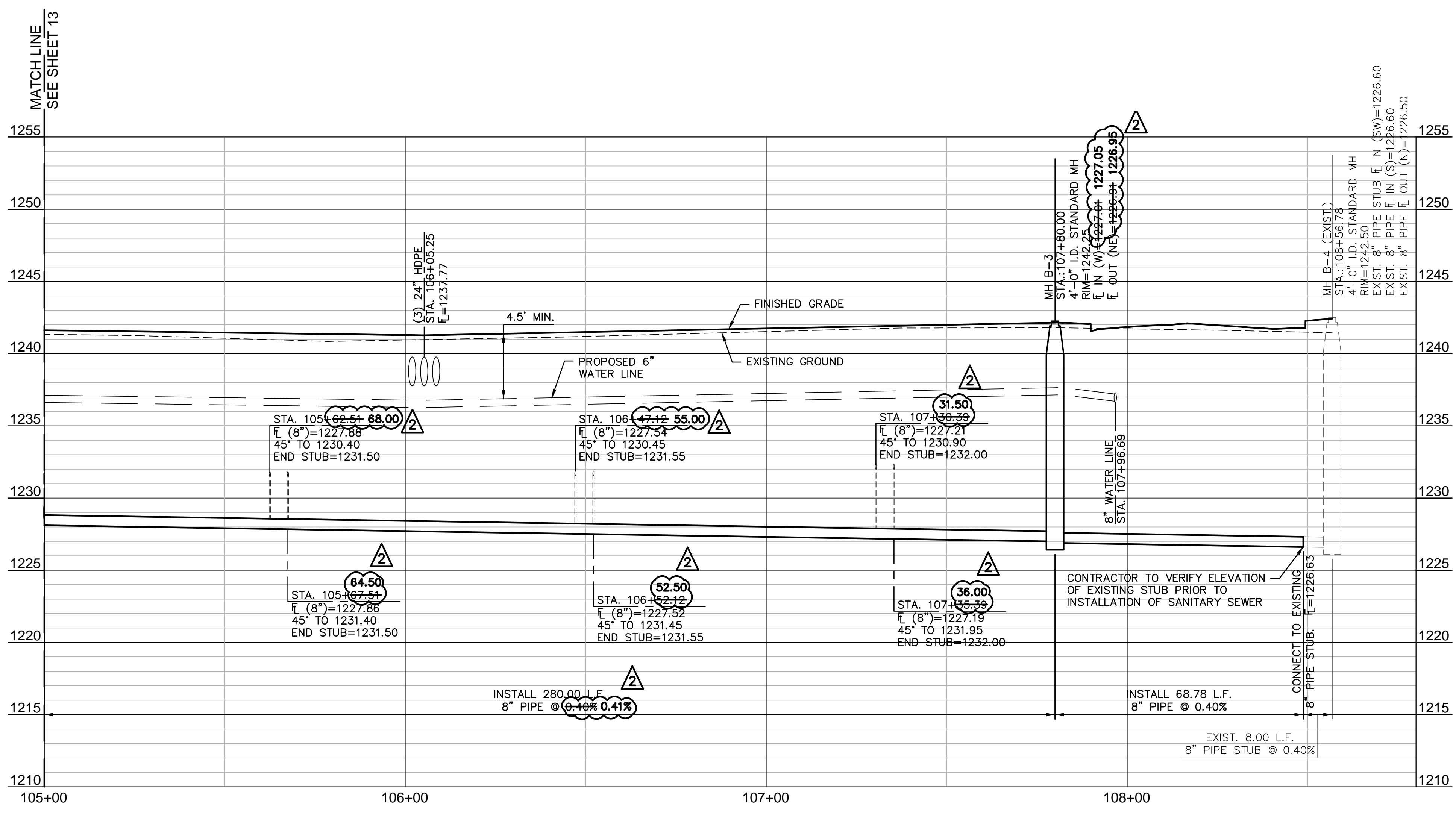
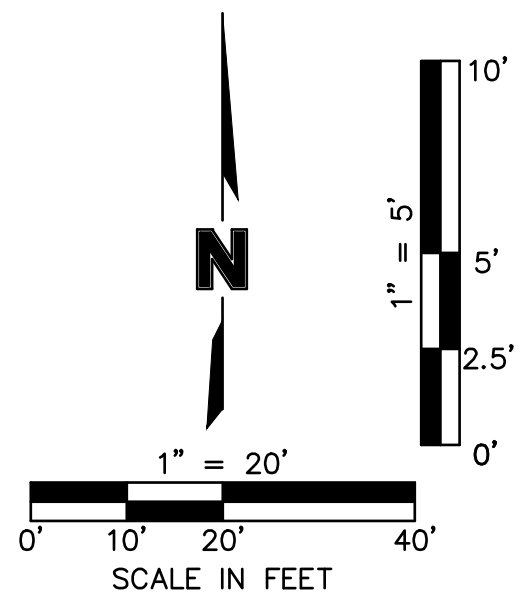
DWG: Z:\Civil 3D Projects\113\_6395 SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-SAN01.dwg USER: Trump  
 DATE: Aug 28, 2013 9:45am XREFS: 81218\_XBDD-2 81218\_XTOPO 81218\_PBASE 81218\_XCON-MESH



NOTE: STATIONING AND DISTANCE LEFT OR RIGHT IS TO THE 2"x4" MARKING END OF SERVICE.

- NOTES:
- ALL STUBS LOCATED ON THE NORTH SIDE OF THE PROPOSED SEWER MAIN SHALL BE 54.5' IN LENGTH.
  - ALL STUBS LOCATED ON THE SOUTH SIDE OF THE PROPOSED SEWER MAIN SHALL BE 5.5' IN LENGTH.

BENCHMARK:  
 CBM: #265 U.S.G.S. BRASS DISK IN CONC. STAMPED  
 C-292-1952', 29' WEST OF WEST RAIL & 40' NORTH OF  
 CENTERLINE SCHILLING RD. ELEVATION=1245.22



**AS-BUILT**

2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785) 762-5040  
 FAX (785) 762-7744  
 E-MAIL: jce@kveinc.com

KAW VALLEY ENGINEERING, INC.  
 CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER  
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
 AUTHORIZATION #E-113. EXPIRES 12/31/14

PROJ. NO. A13\_6395 DSN:  
 CFN: 812818-SAN01 DWN: JT

**MOLSSON ASSOCIATES**

2637 FCB Plaza, Suite 101W  
 Manhattan, Kansas 66503-8154  
 TEL: 785.659.6900  
 FAX: 785.539.6901  
 www.caiconsulting.com

REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE
1	5/5/10	REVISED PER KACHE COMMENTS
2	8/27/13	AS-BUILT PLANS

PUBLIC SANITARY SEWER  
 PLAN & PROFILE  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

2010

REVISIONS

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-SAN01  
 date: APRIL 28, 2010

SHEET  
 13 OF 24



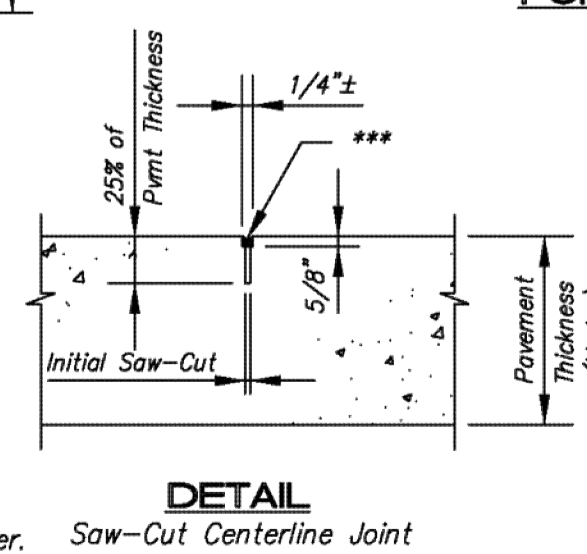
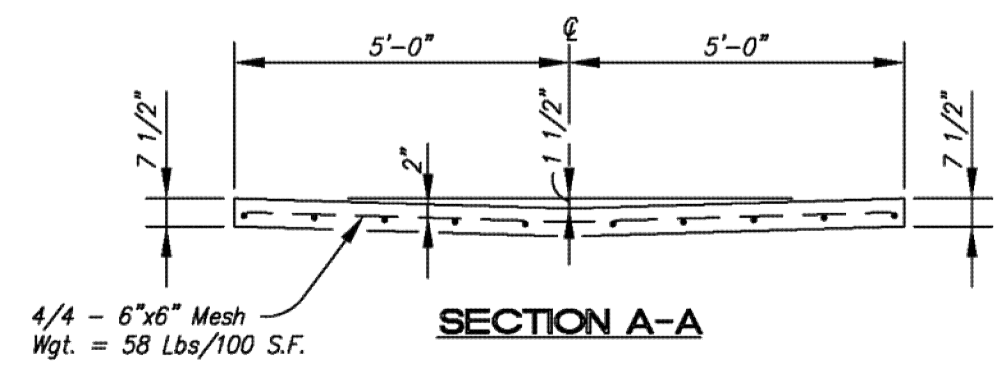
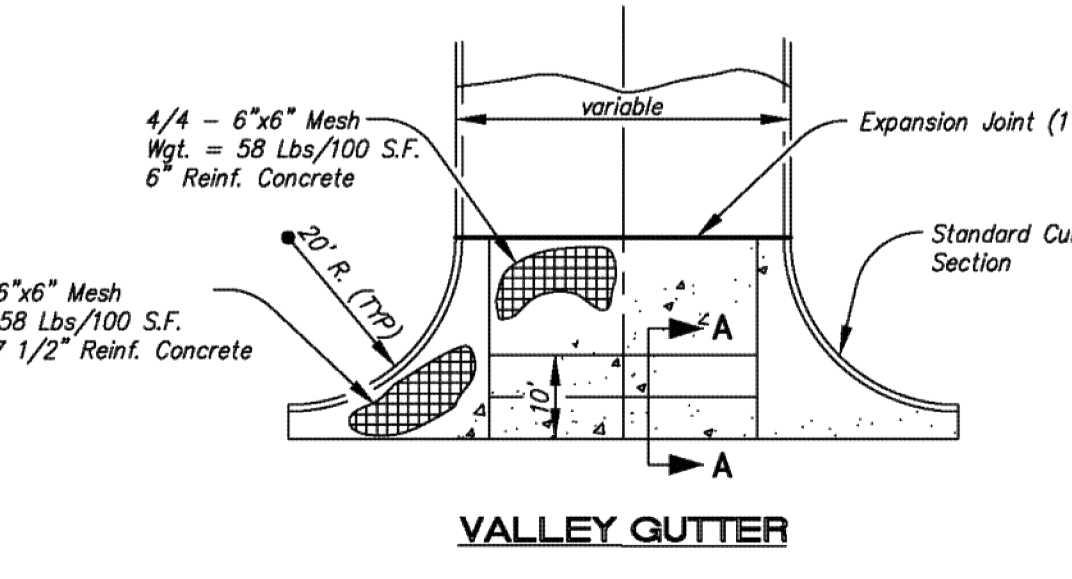
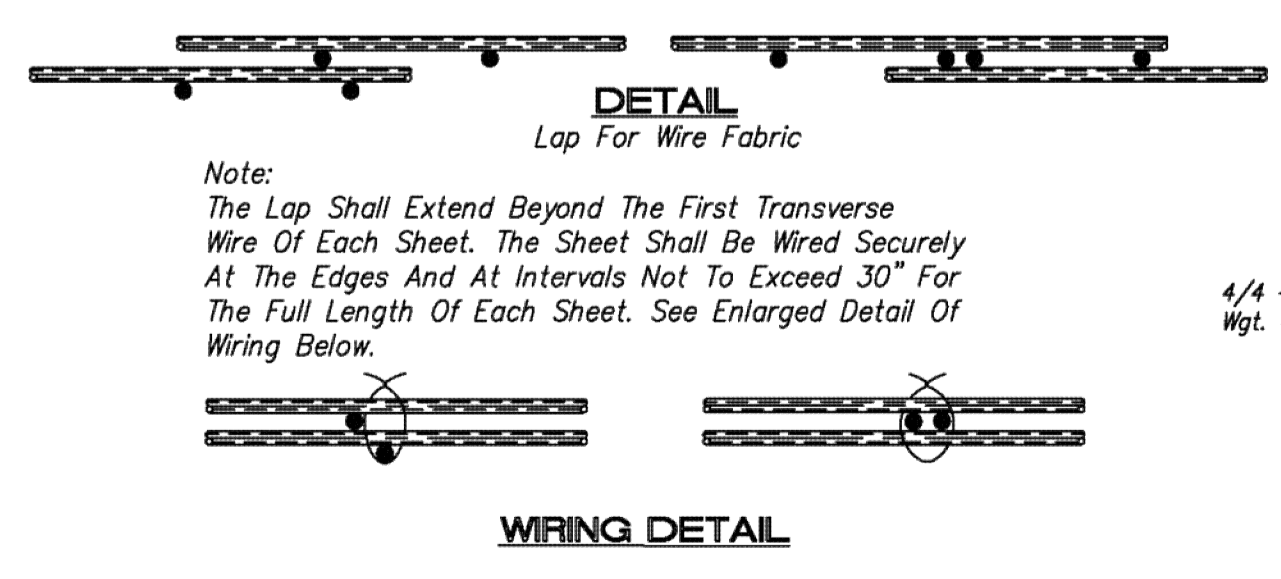
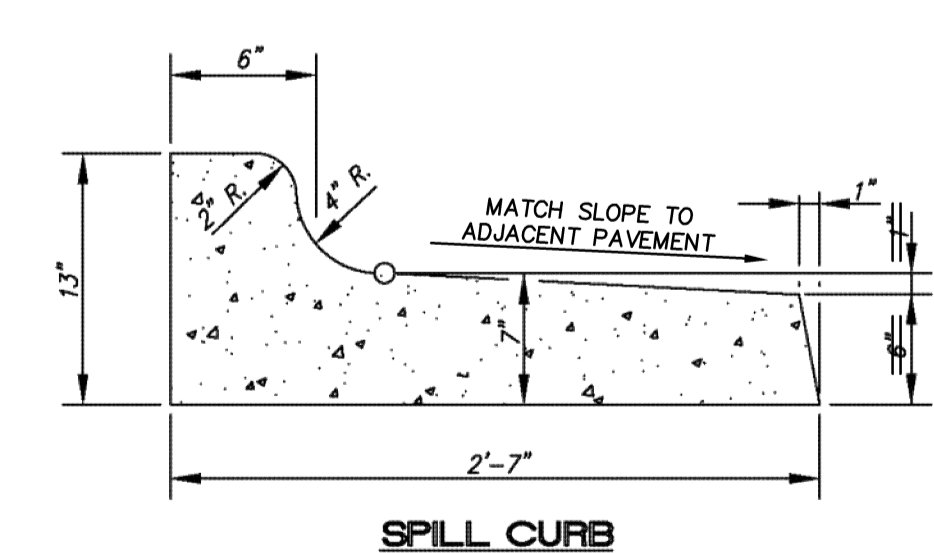
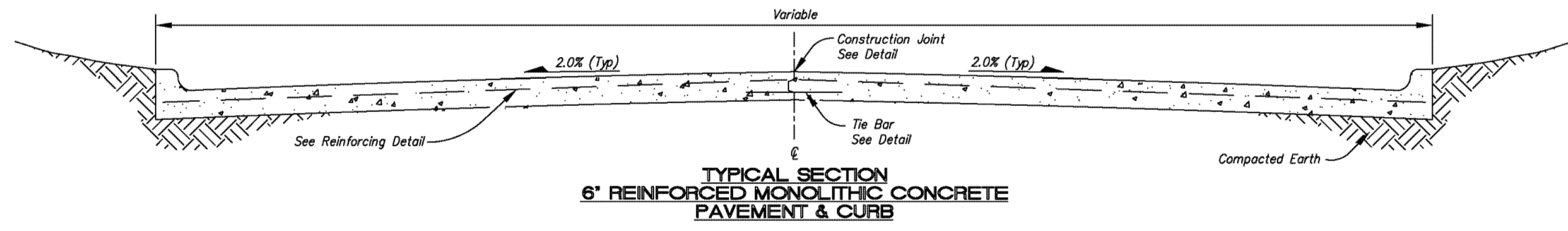
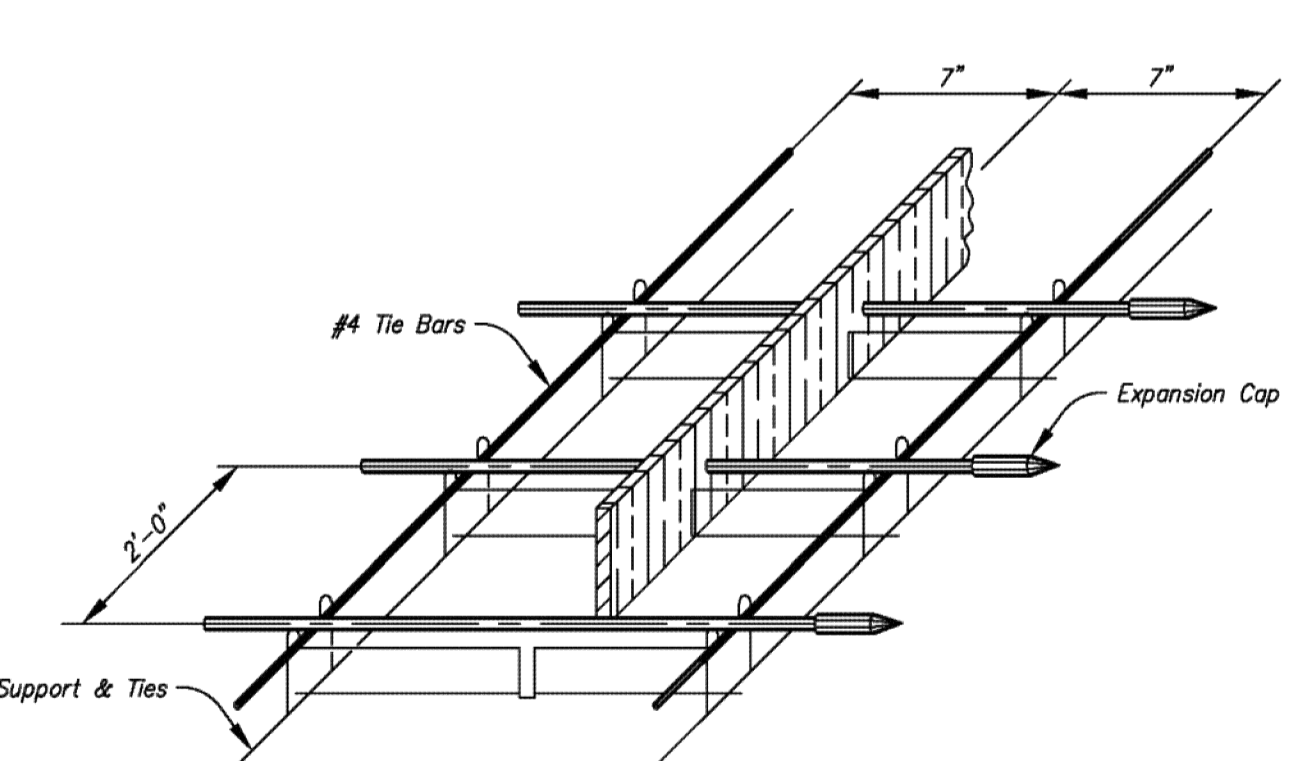
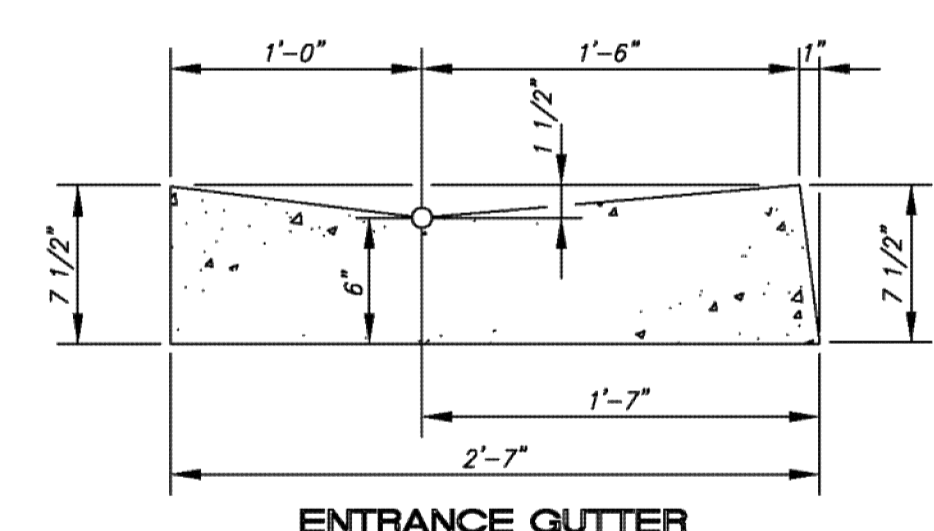
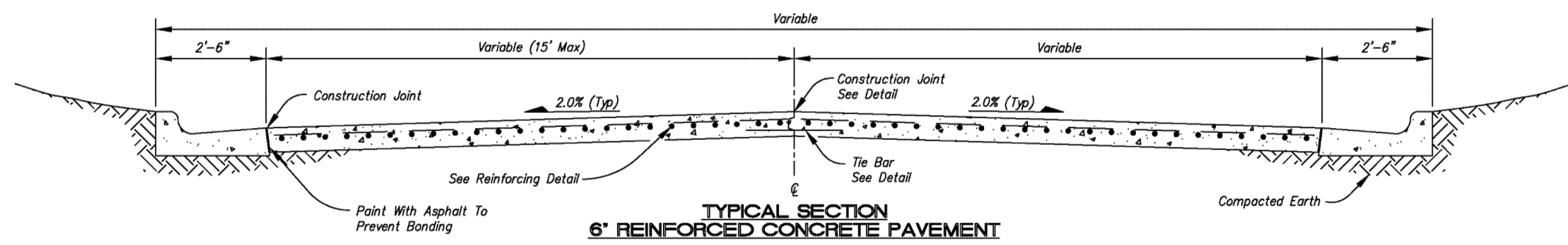
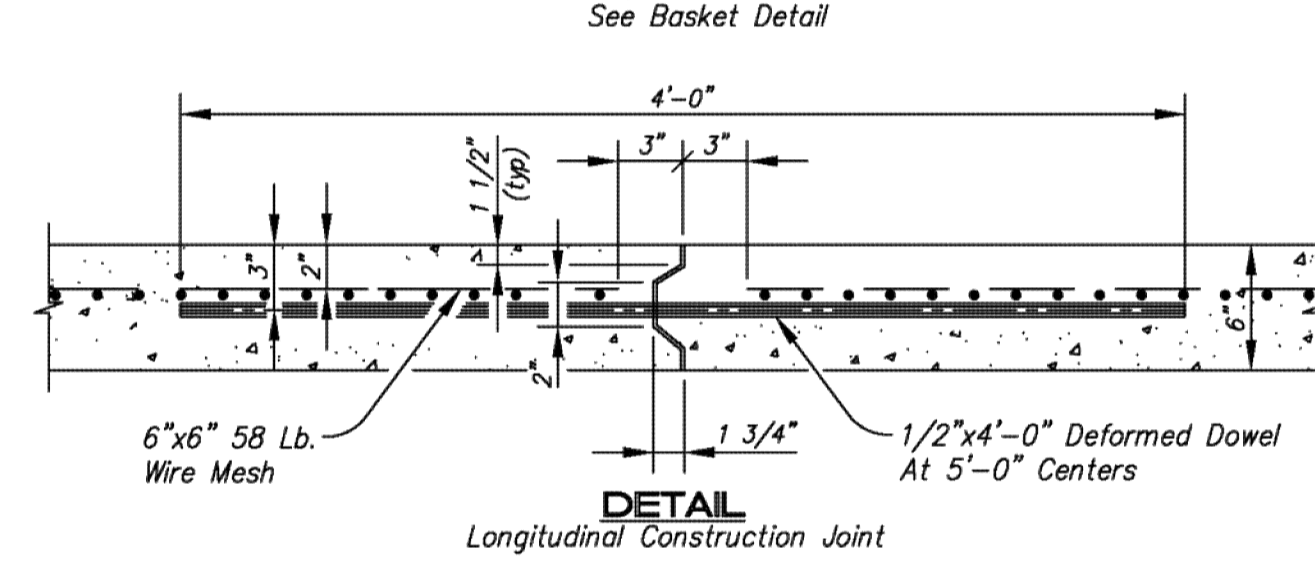
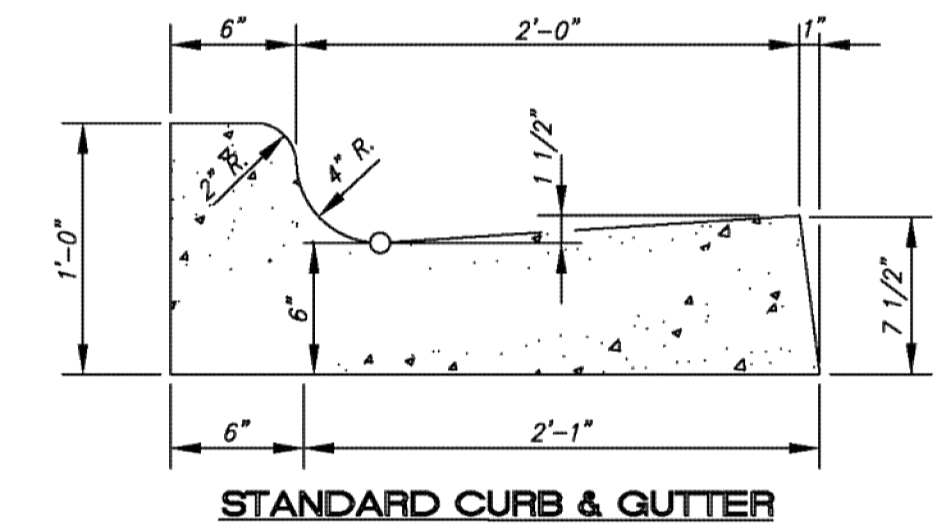
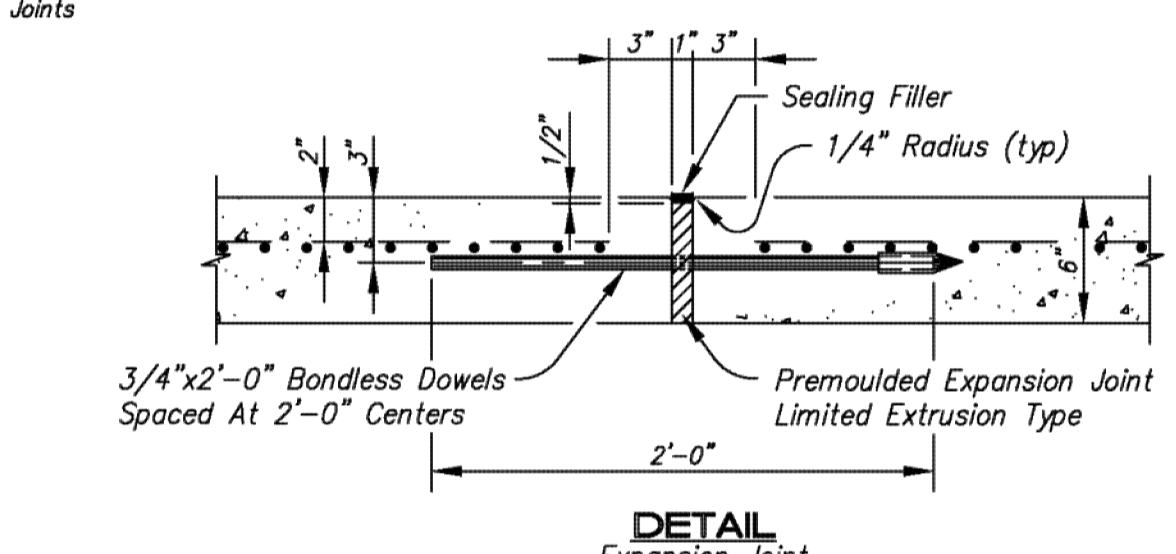
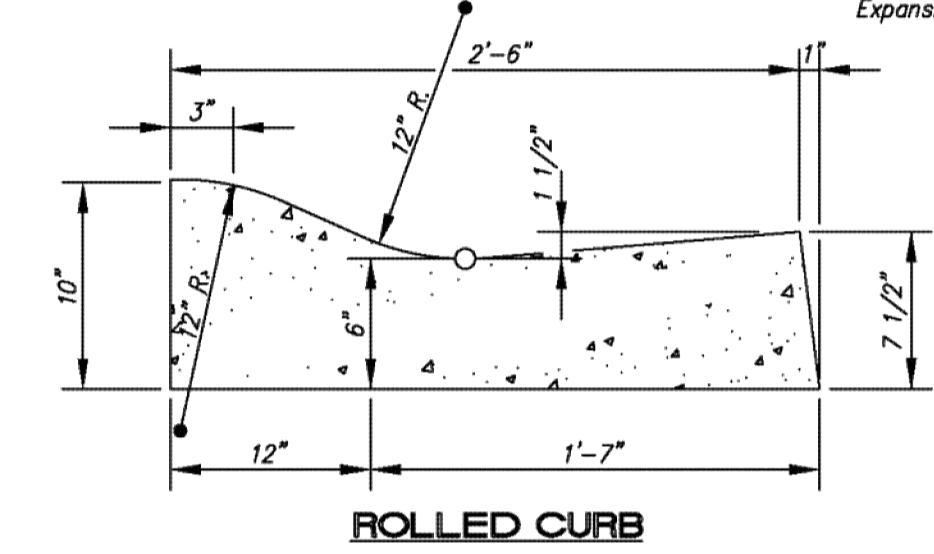
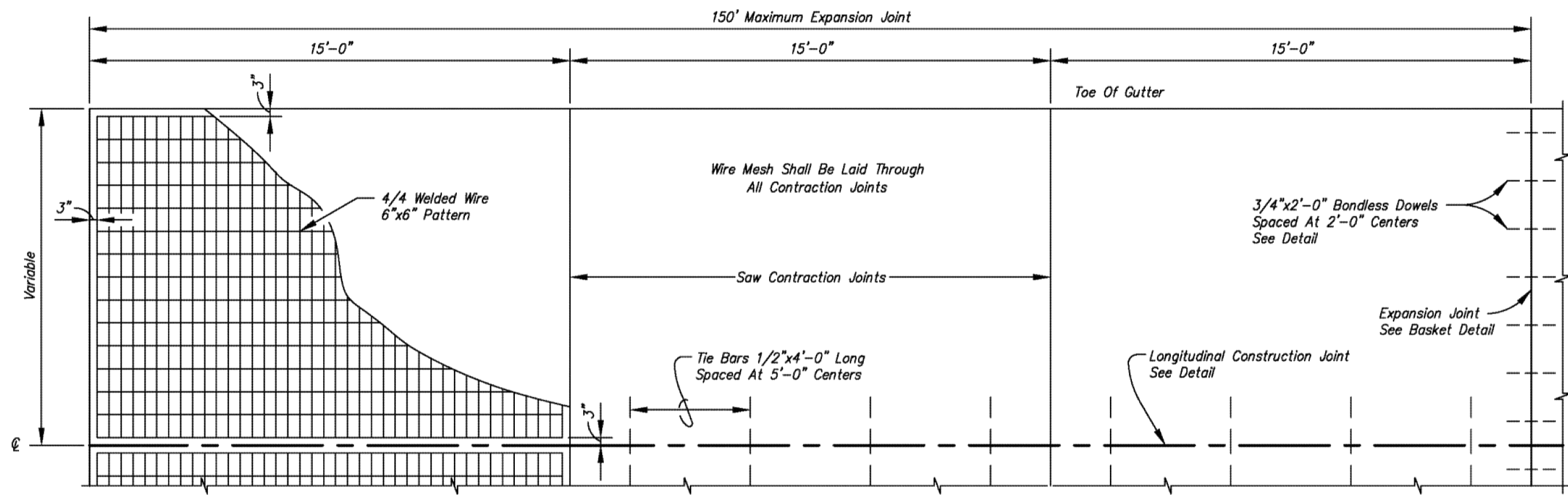
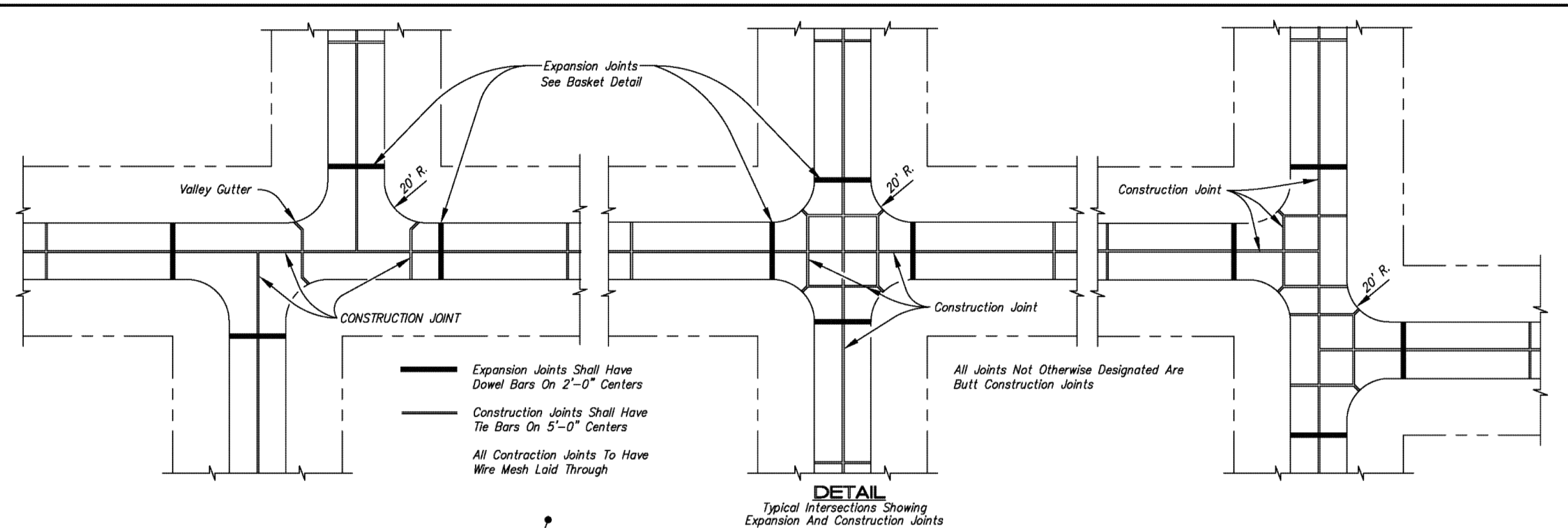
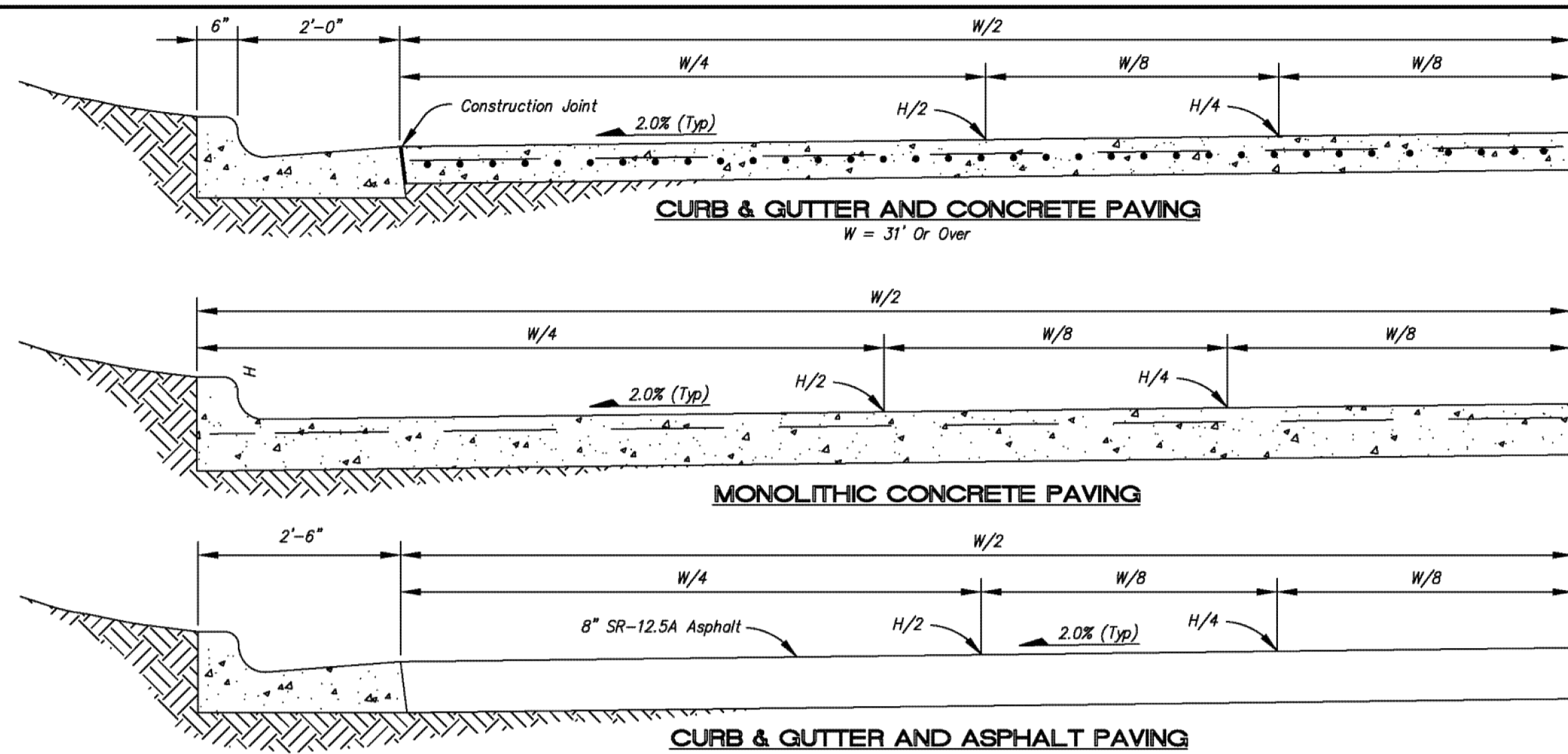


REVISIONS DESCRIPTION  
 INITIALS  
 DATE  
 4/28/10

REV. NO. 0

QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-DTL  
 date: APRIL 28, 2010

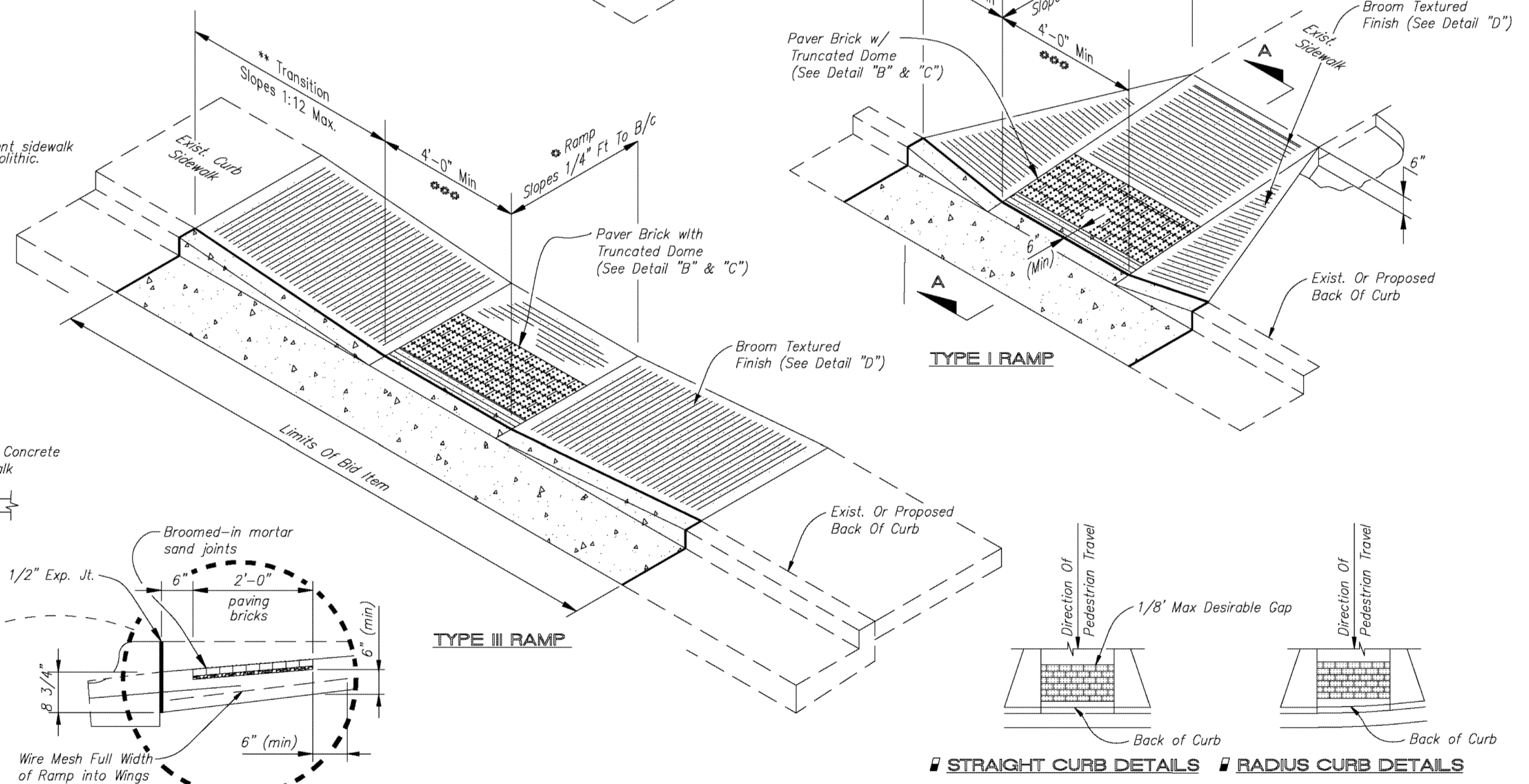
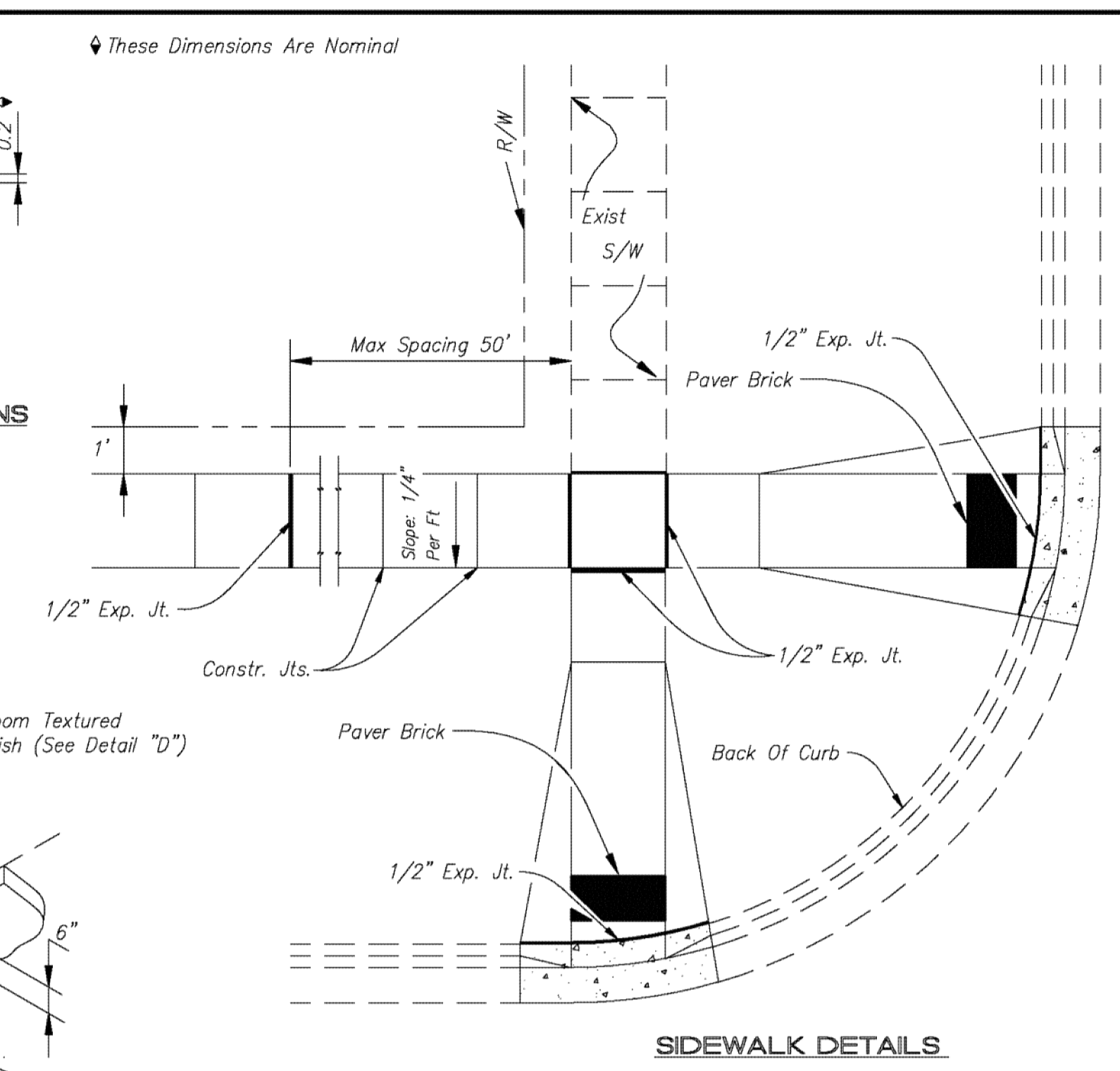
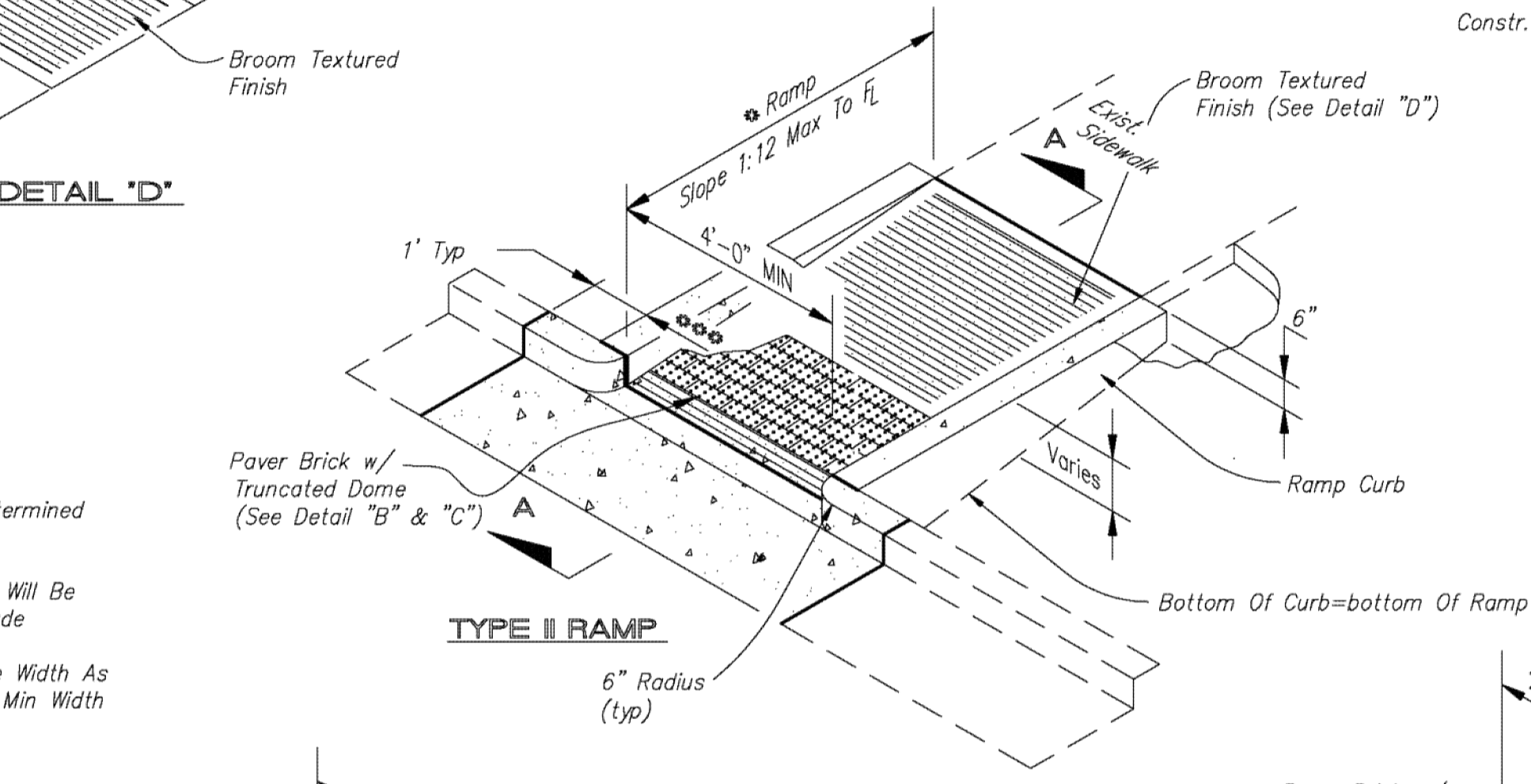
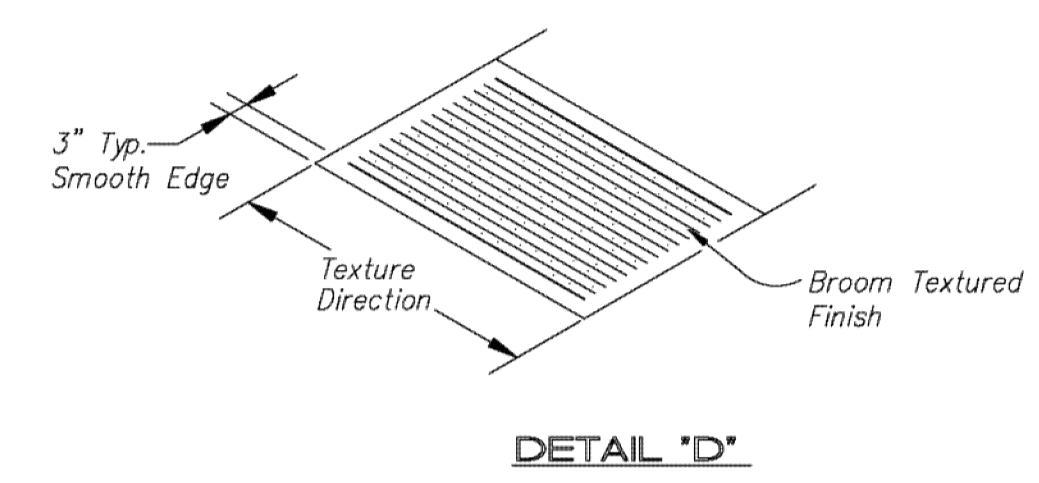
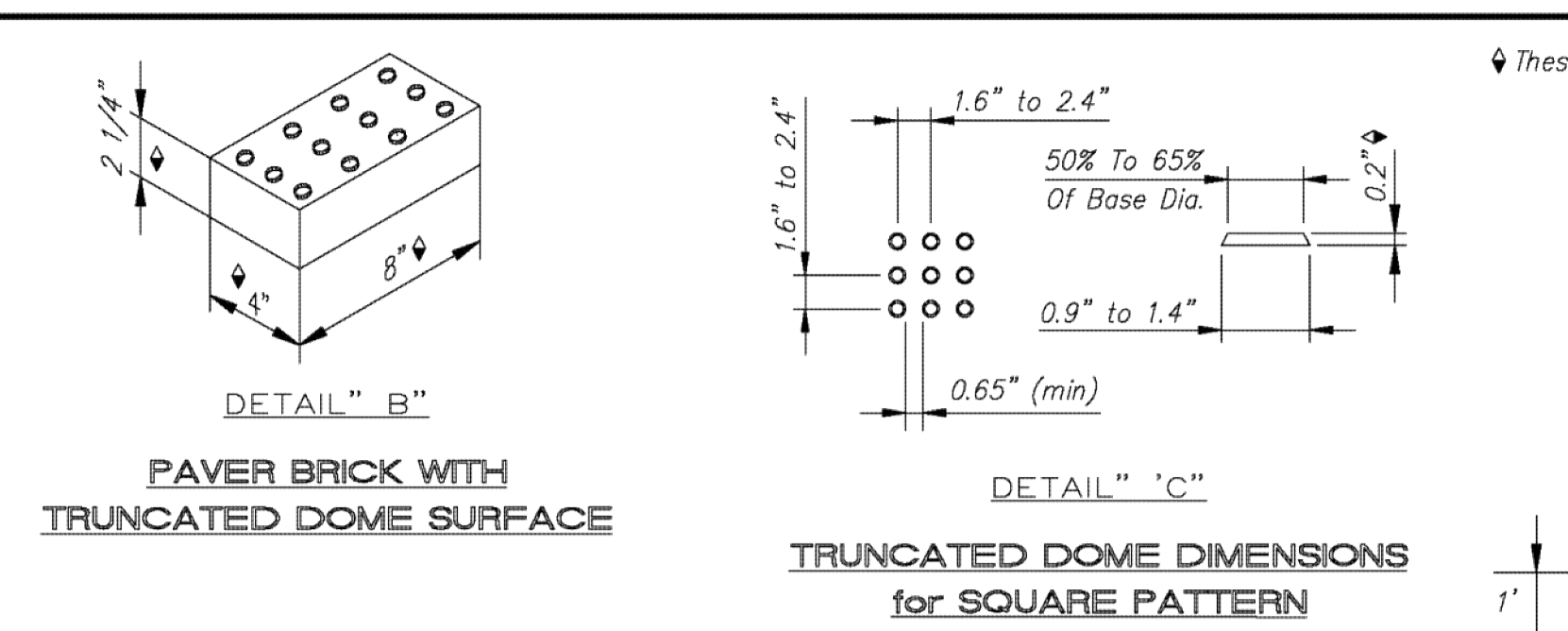
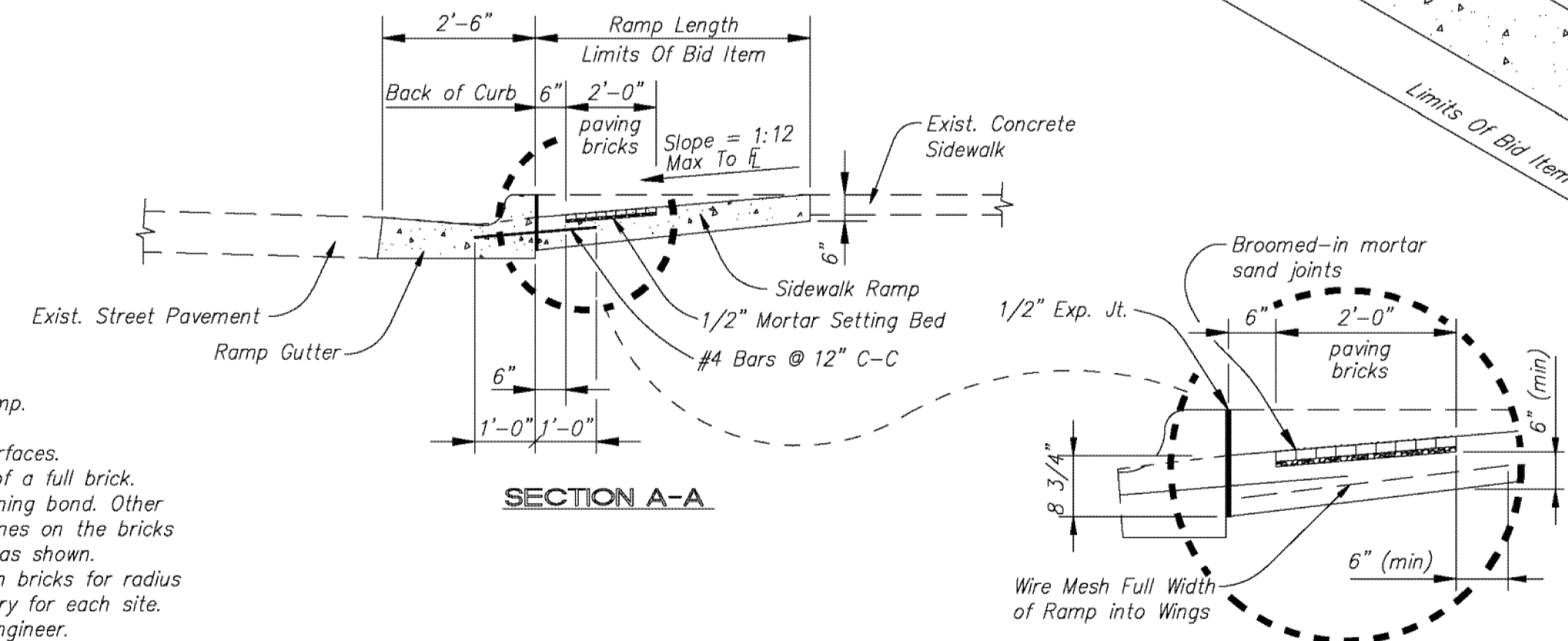
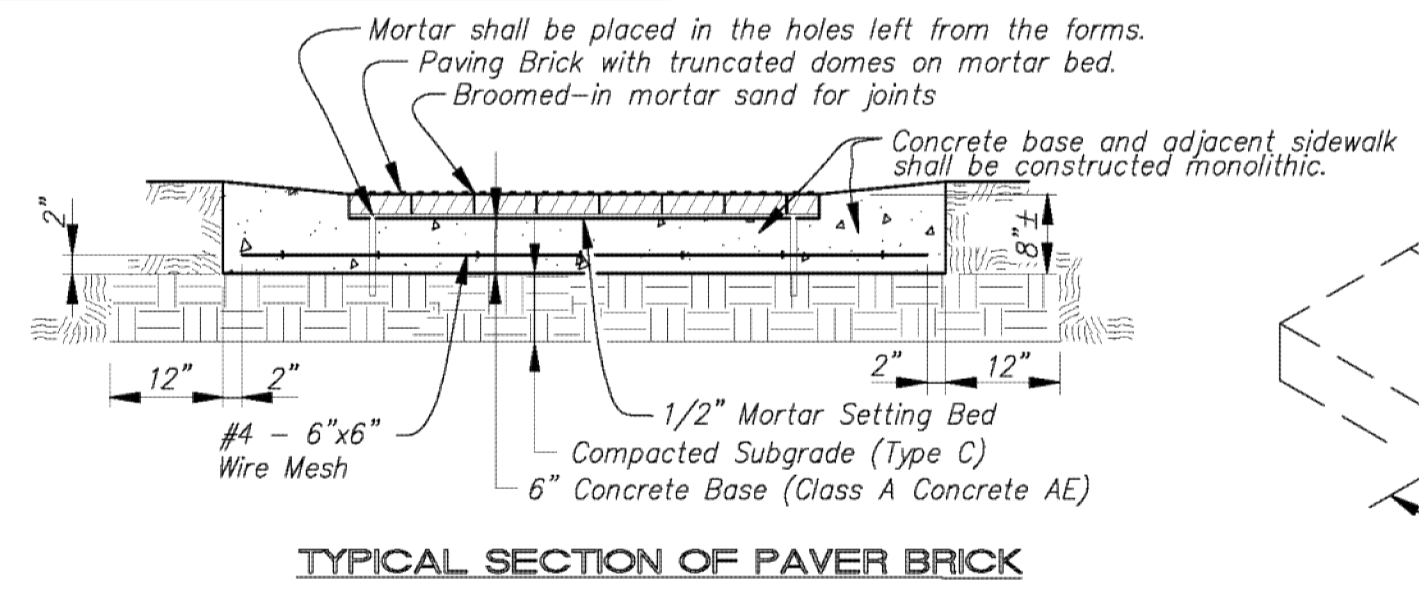
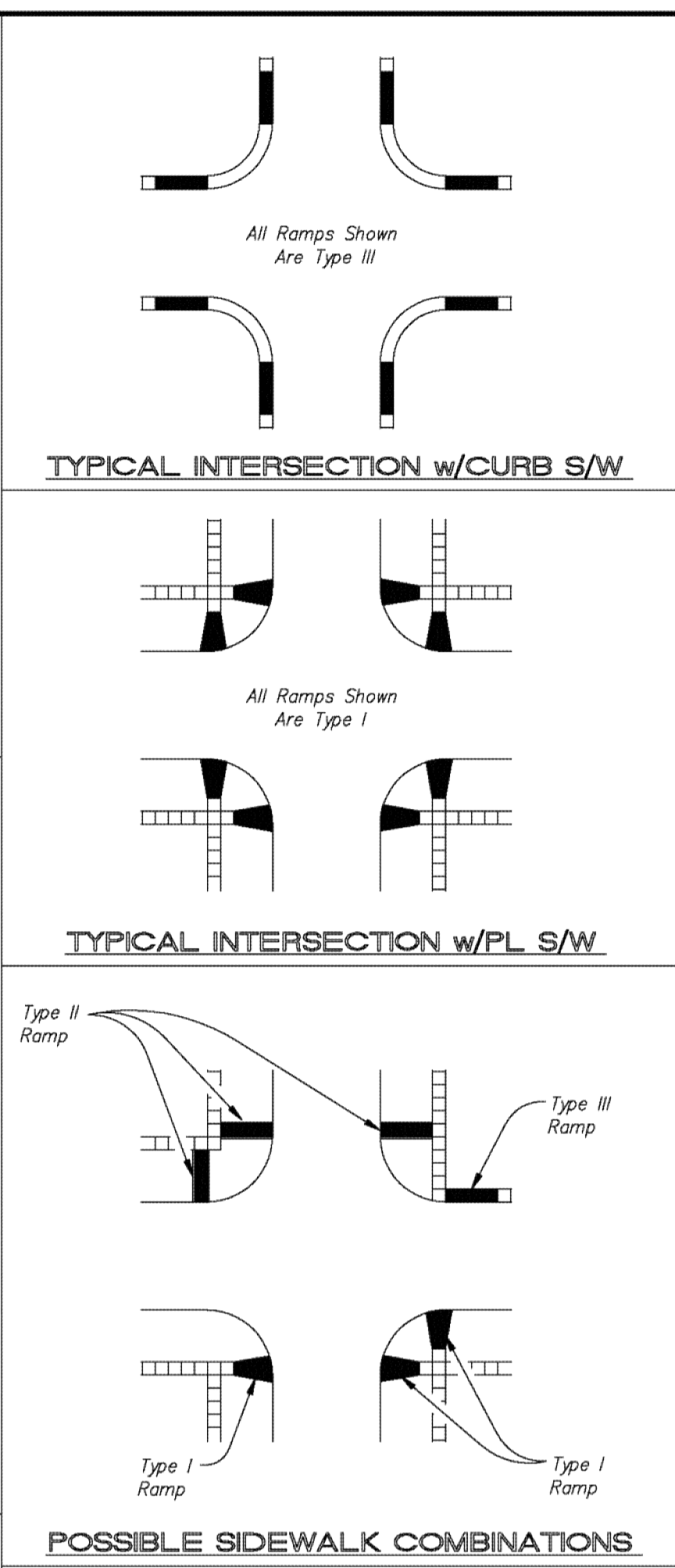
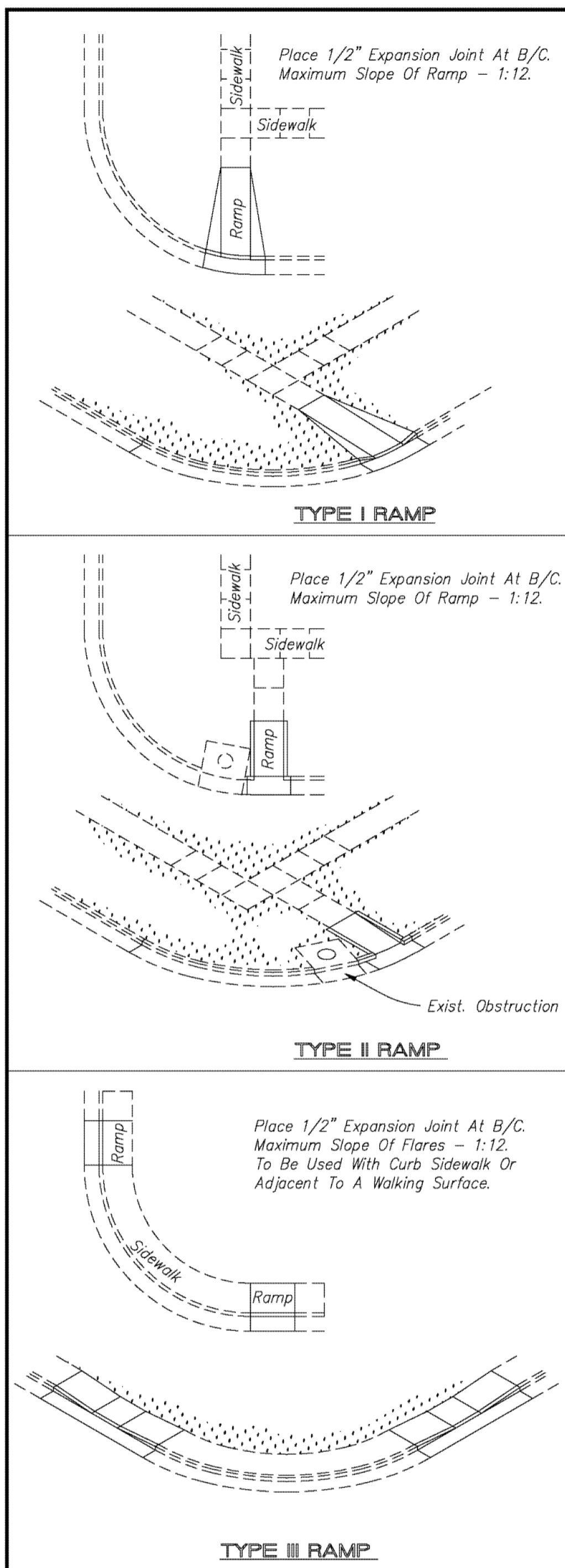


STANDARD DETAILS PAVEMENT - REINFORCING - CONSTRUCTION JOINTS				
CITY OF SALINA Dept. of Public Works Engineering Division				
300 W. Ash St. PHONE: 785.309.5725	SALINA, KANSAS 67401		FAX: 785.309.5713	
PROJECT NO.	DATE	SCALE	FILE NO.	
DESIGN BY	DRAWN BY	APPROVED	SHEET	

DWG: F:\Projects\008-1218\LD\PA\Final\_Plans\81218-DTL.dwg  
 DATE: Apr 28, 2010 1:17pm  
 USER: akruse  
 XREFS: 01-24-36

REVISED: MARCH 25, 2008

DWG: F:\Projects\008-1218\LD\PA\Final\_Plan\81218-DTL.dwg  
 DATE: Apr 28, 2010 1:16pm  
 USER: akruse  
 XREFS: CP\_2-4-36



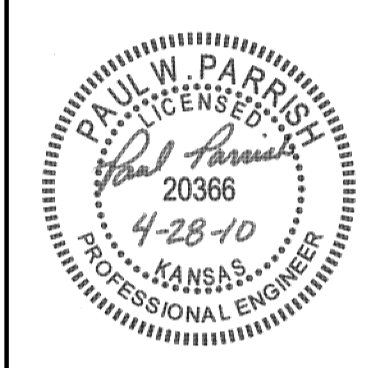
**GENERAL NOTES:**

- Surface texture of the ramp shall be brushed finished to the slop of the ramp.
- Mortar shall be placed in the holes left from frames.
- The truncated dome surface shall be a contrasting color to the adjacent surfaces.
- The bricks shall be saw cut only and any brick shall not be less than 25% of a full brick.
- The installation patten shown for the detectable warning paving bricks is running bond. Other patterns may be used upon the approval of the Engineer. The truncated domes on the bricks shall be placed in a parallel alignment for the direction of pedestrian travel as shown. The running bond pattern may be rotated 90° to reduce the spacing between bricks for radius installations. The spacing between bricks for radius curb installations may vary for each site. This spacing shall be kept to a minimum upon review and approval of the Engineer.

NO	REVISIONS	DATE	BY	NO	REVISIONS	DATE	BY

PROJECT TITLE: **STANDARD RAMP DETAILS**

<b>CITY OF SALINA</b> Dept. of Public Works Engineering Division	DESIGN: _____	DATE: _____	PROJ. NO.: _____	SCALE: Not to Scale
300 WEST ASH SALINA, KANSAS 67401 PH: 785.309.5725 FAX: 785.309.5713	DRAWN: _____	FILENAME: _____	SHEET: _____	OF: _____



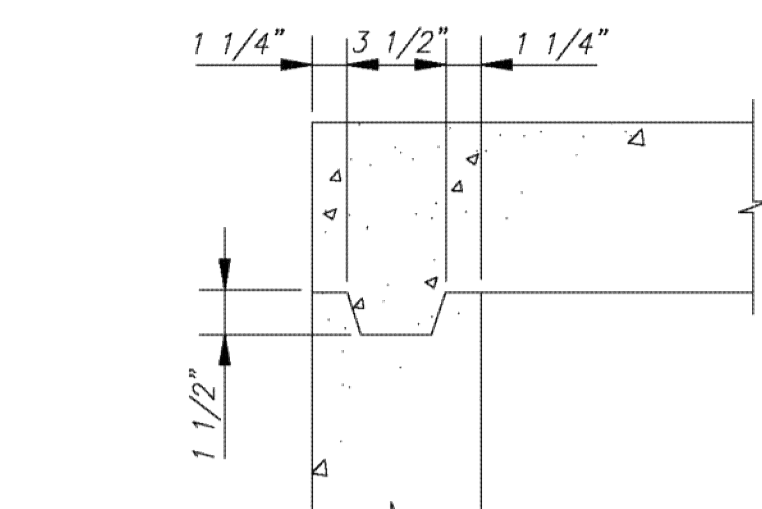
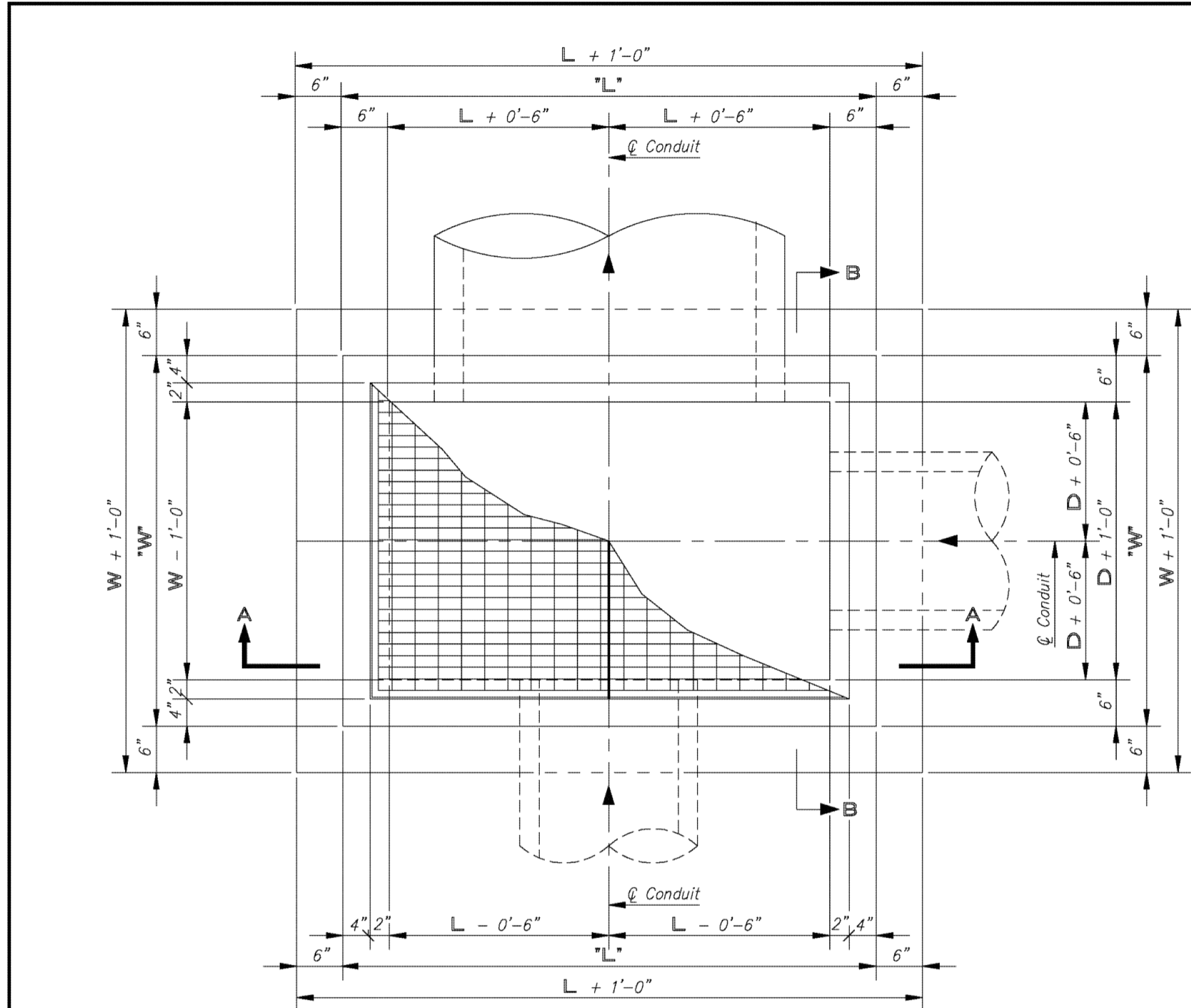
REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE

**DETAILS**  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS  
 2010

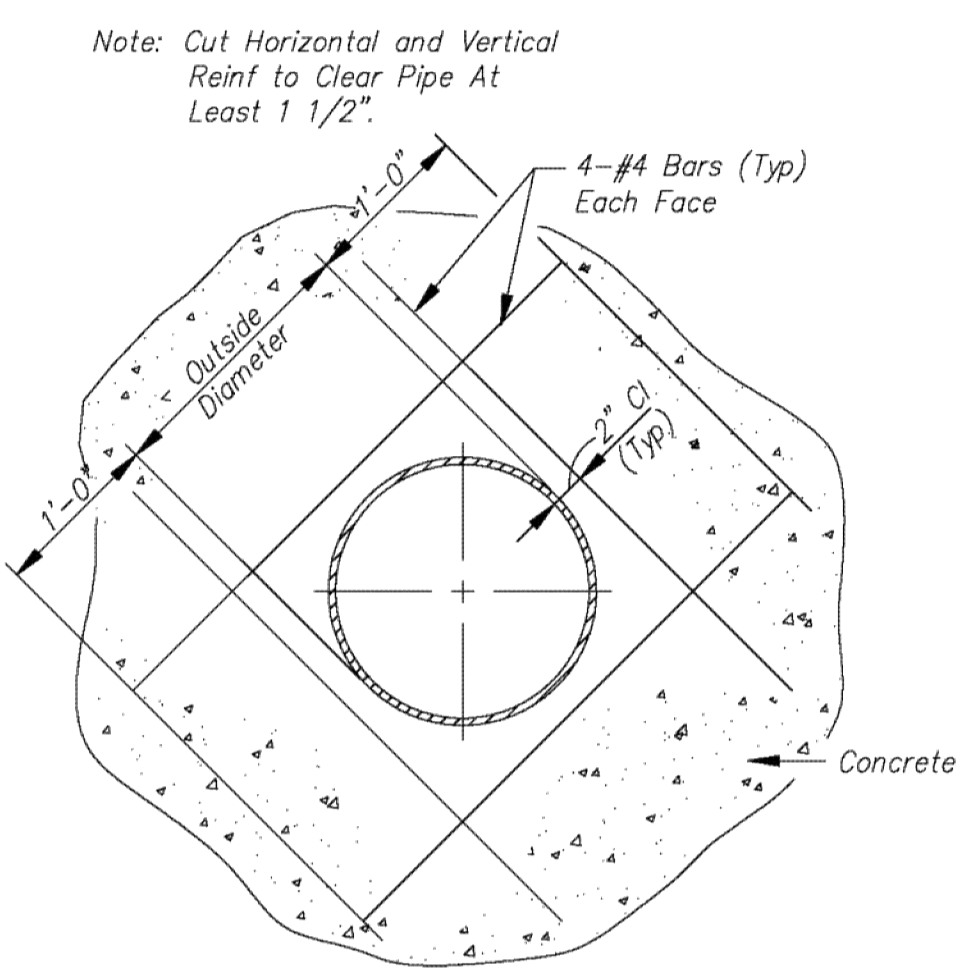
drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-DTL  
 date: APRIL 28, 2010



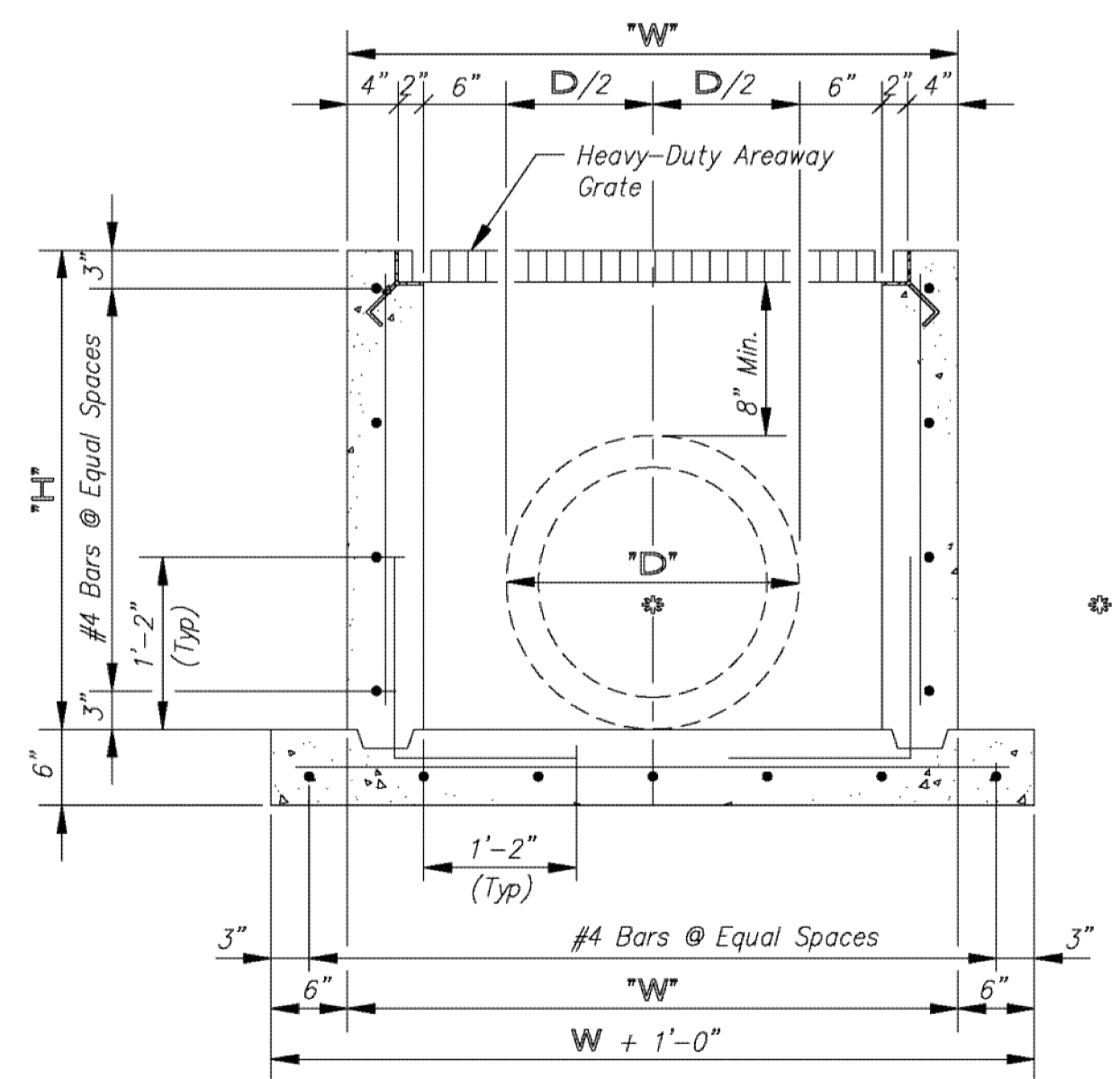
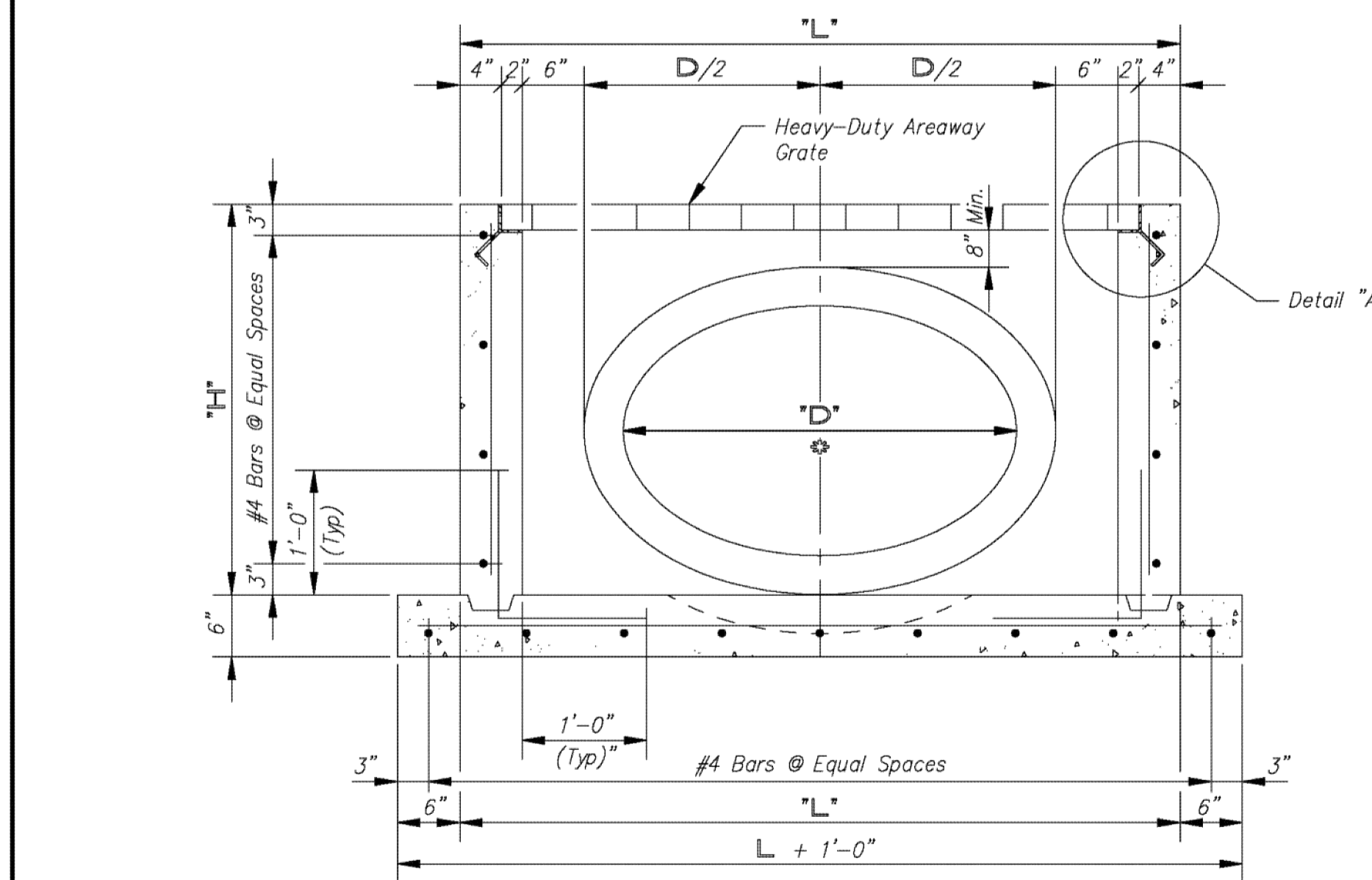
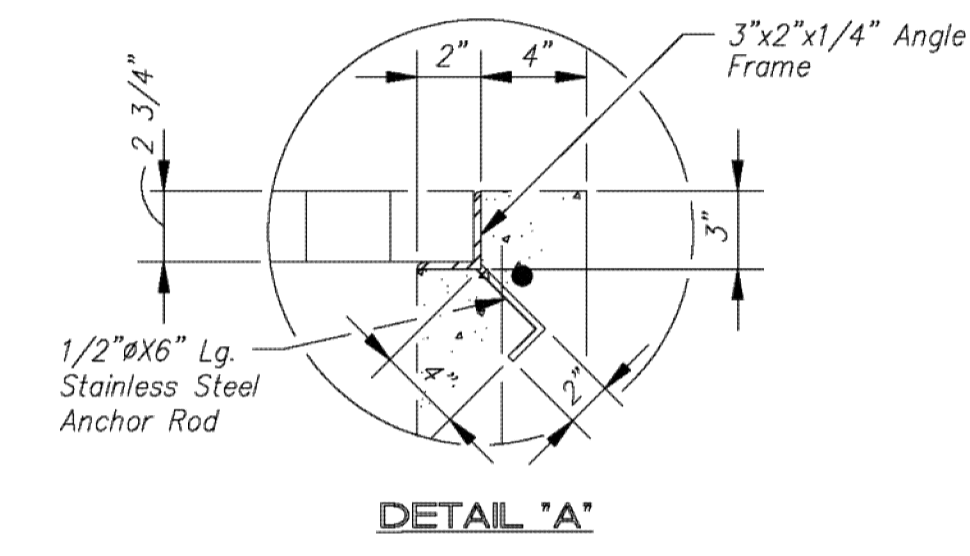




KEYED CONSTRUCTION JOINT DETAIL  
 Not to Scale



AT OPENING & PIPE LOCATION  
 Not to Scale



⊕ Diameter of pipe plus wall thickness x 2.

NOTES:

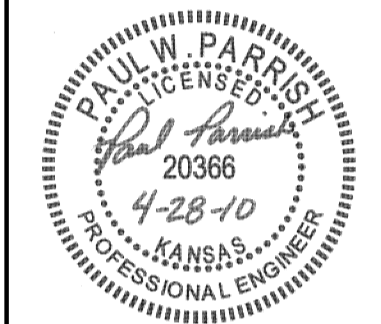
- All reinforcement shall be #4 rebar, unless noted otherwise.
- Reinforcement Clearances shall be 3" unless noted otherwise.
- At openings, cut or bend reinforcement to clear a minimum of 1 1/2".
- A 3/4" chamfer shall be used on all exposed edges.
- The heavy-duty areaway grate shall be fabricated in two sections.

INLET DATA	
INLET NO.	A-4
STATION	142+87.91
SIDE	N/A
FL ELEV.	1237.95
TOP ELEV.	1241.12
'L'	5'
'H'	3.33'
'W'	5'
'D'	21.2"

NO.	REVISIONS	DATE	BY

NO.	REVISIONS	DATE	BY

PROJECT TITLE		DESIGN	DATE	PROJ. NO.	SCALE
TYPE 'G' AREA INLET		Engineering Division			Not to Scale
		DRAWN	FILENAME	SHEET	OF
		300 WEST ASH SALINA, KANSAS 67401 PH: 785.309.5725 FAX: 785.309.5713			



REV. NO.	REVISIONS DESCRIPTION	DATE	INITIALS
0	4/28/10		

DETAILS

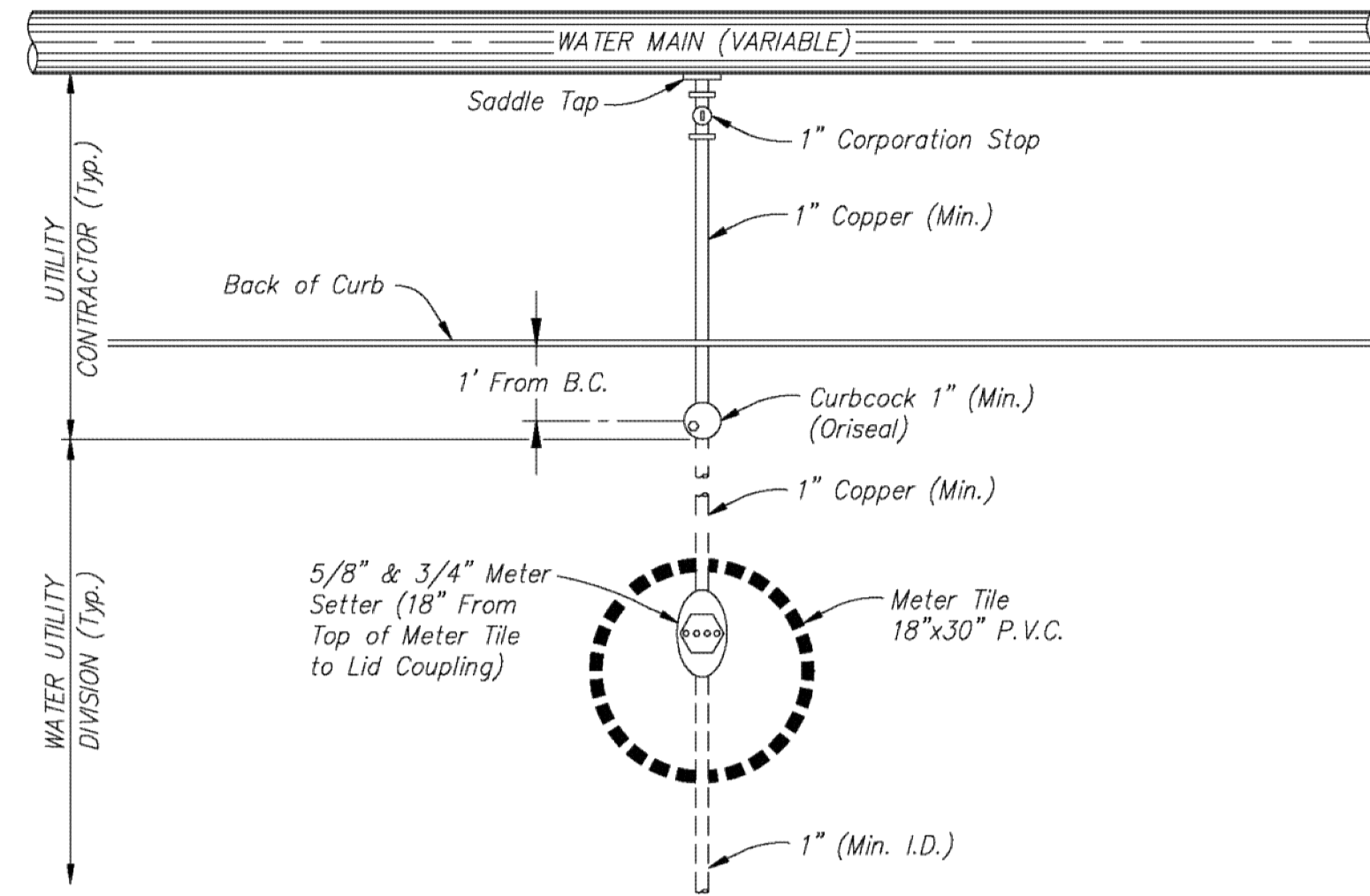
QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET

2010

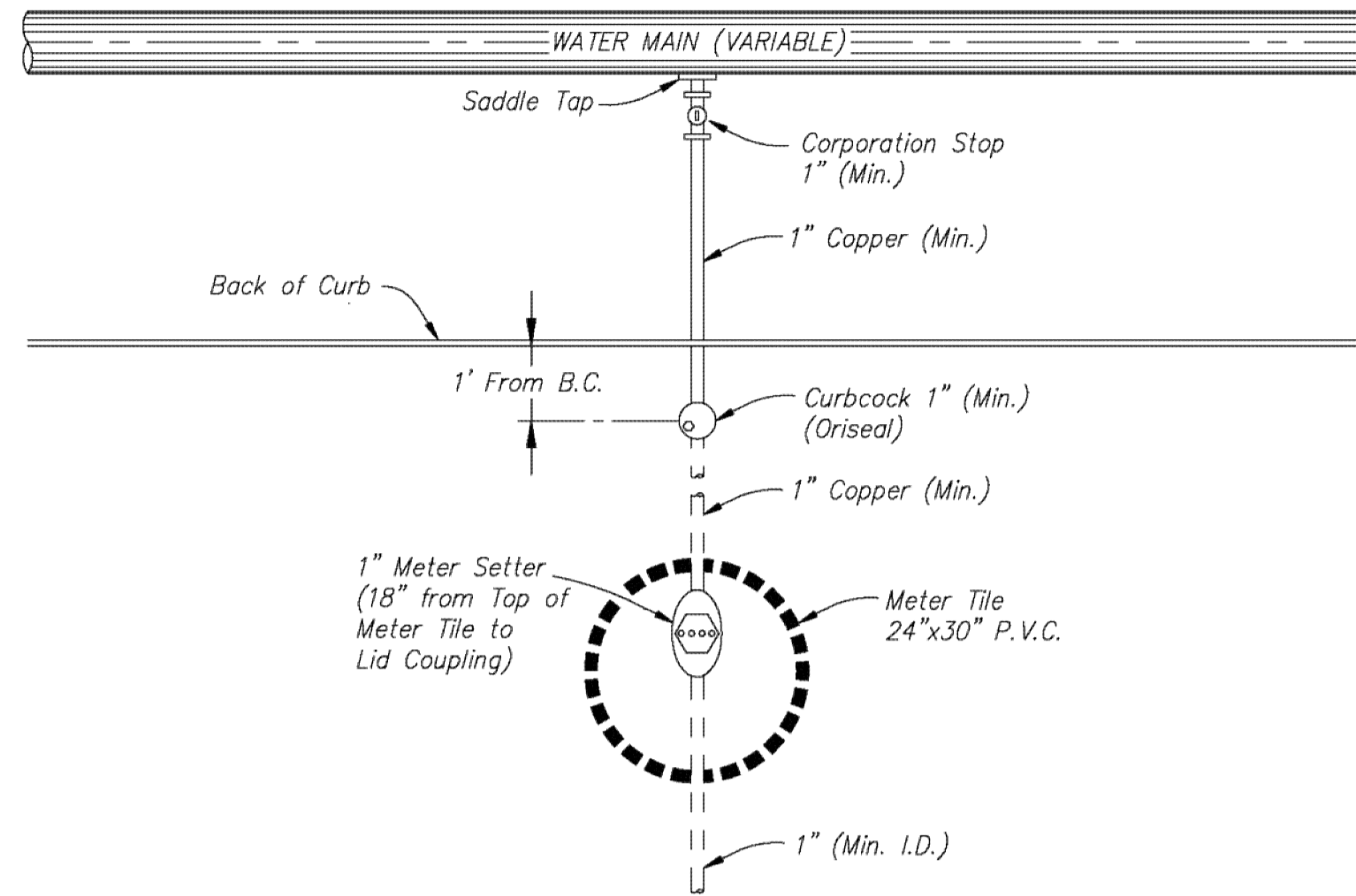
SALINA, KANSAS

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-DTL  
 date: APRIL 28, 2010

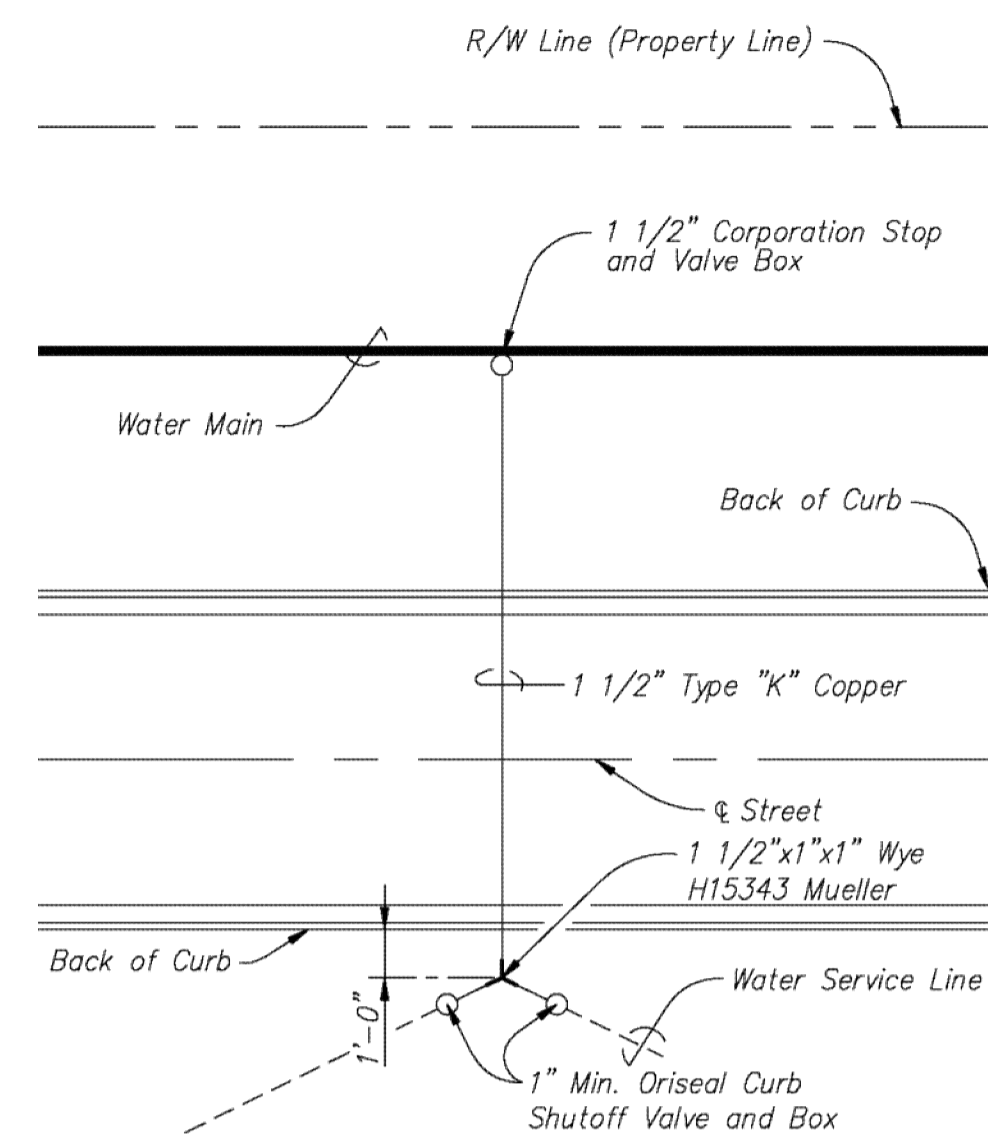
DWG: F:\Projects\008-1218\LDWP\Final Plans\81218-DTL.dwg  
 DATE: Apr 28, 2010 1:23pm  
 USER: akruse  
 XREFS: CA\_2.k36



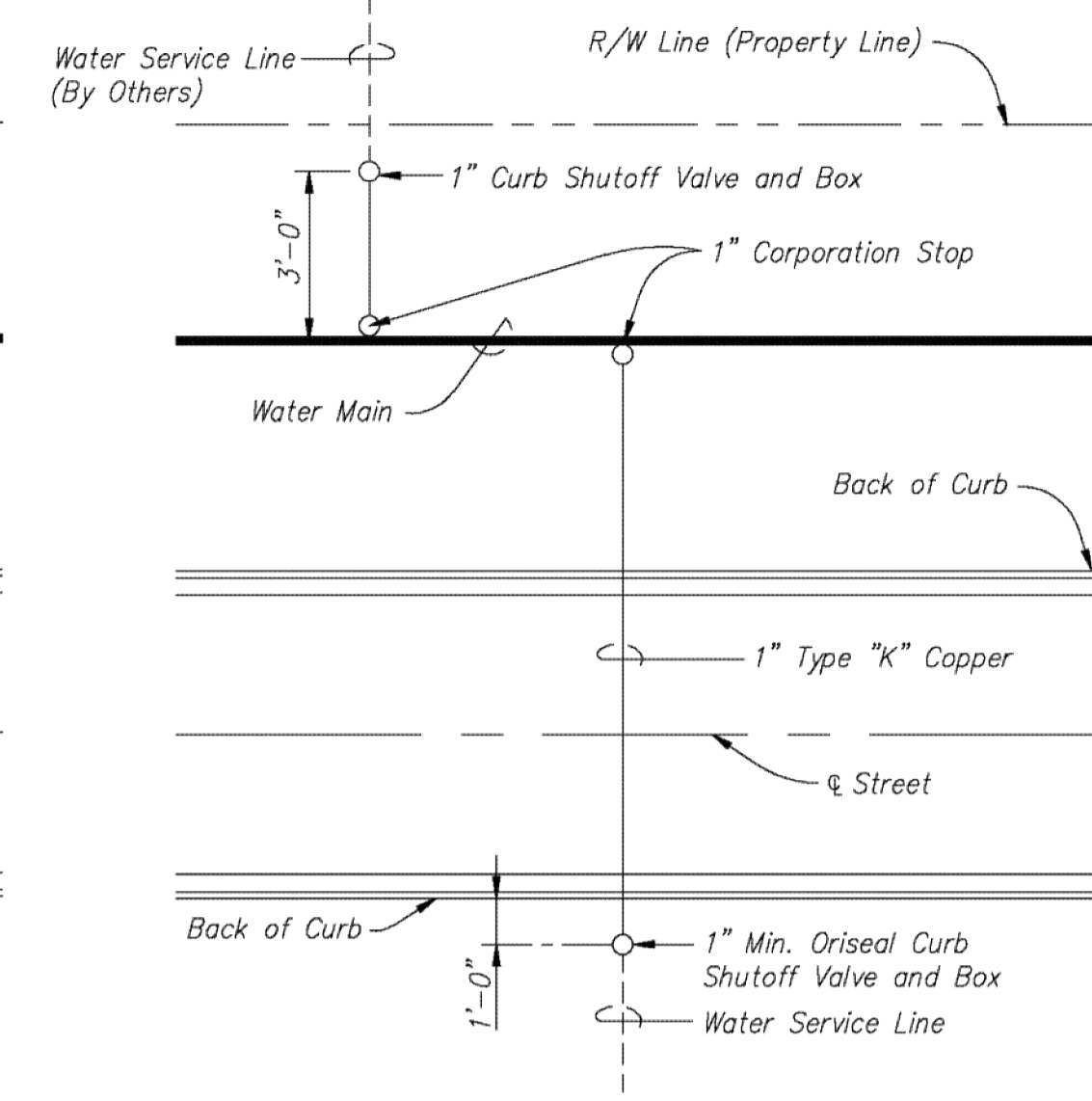
**STANDARD FOR 5/8" & 3/4" METER SETTINGS**  
 Not to Scale



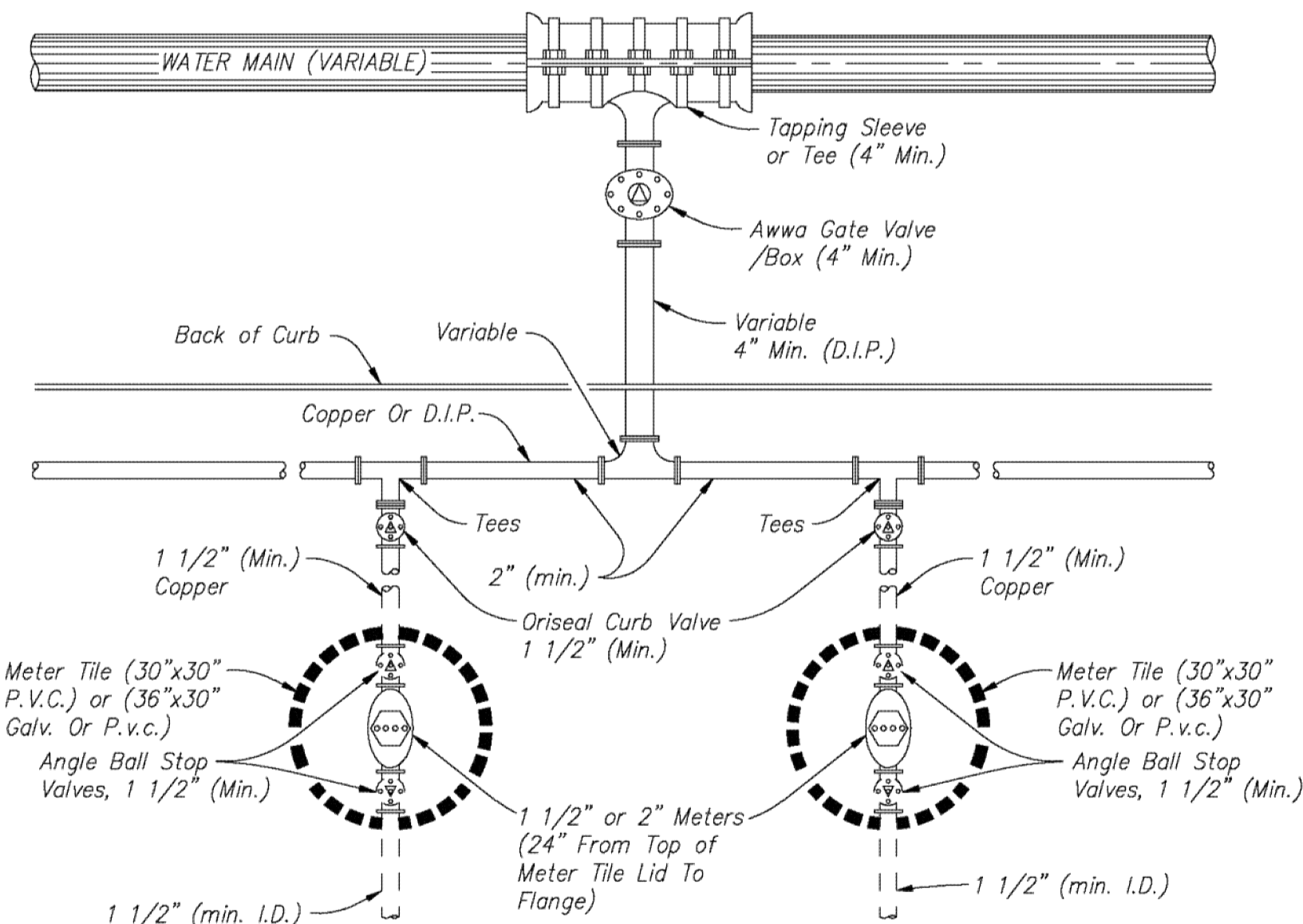
**STANDARD FOR 1" METER SETTINGS**  
 Not to Scale



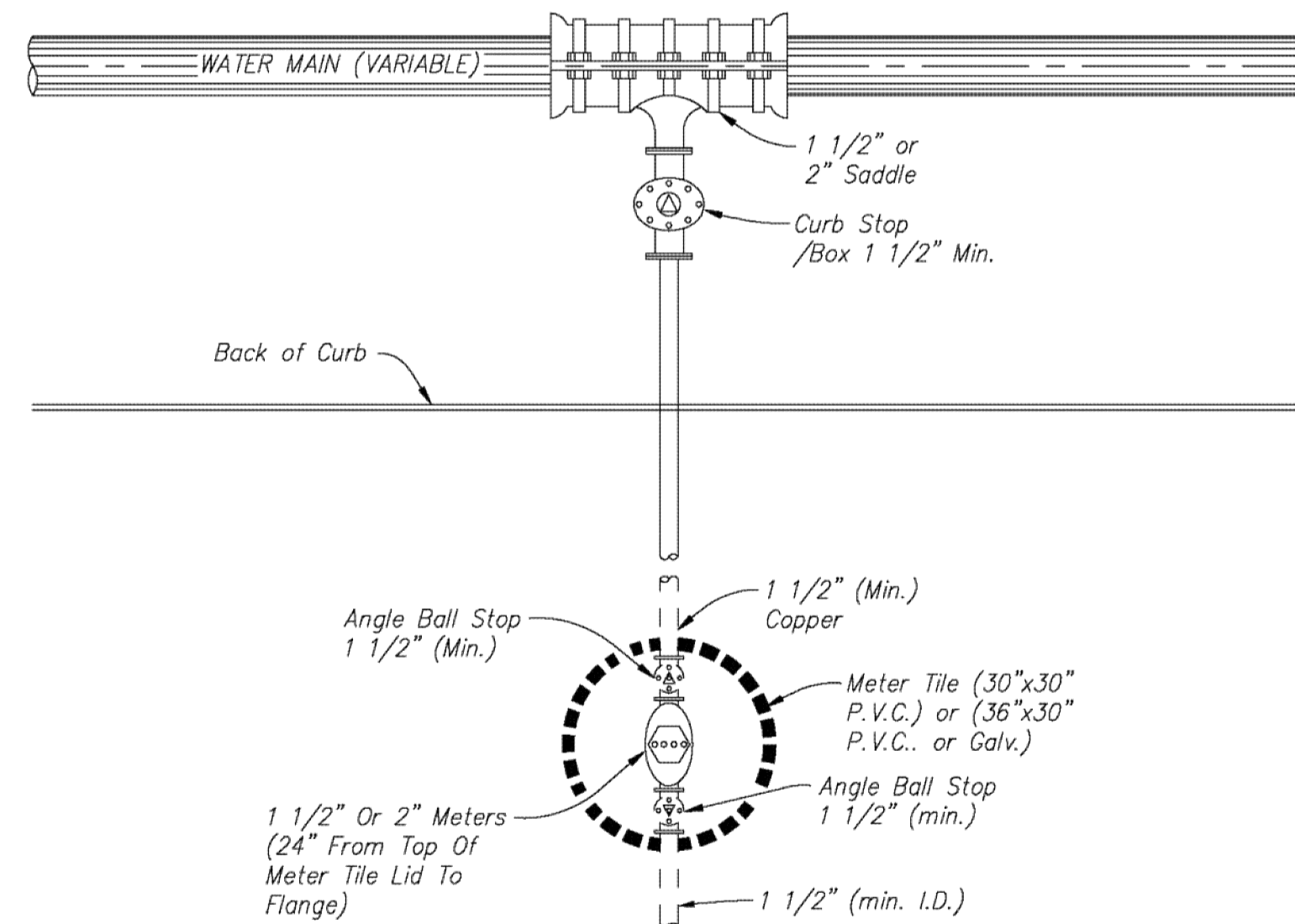
**TYPICAL 1 1/2" WATER SERVICE**  
 Not to Scale



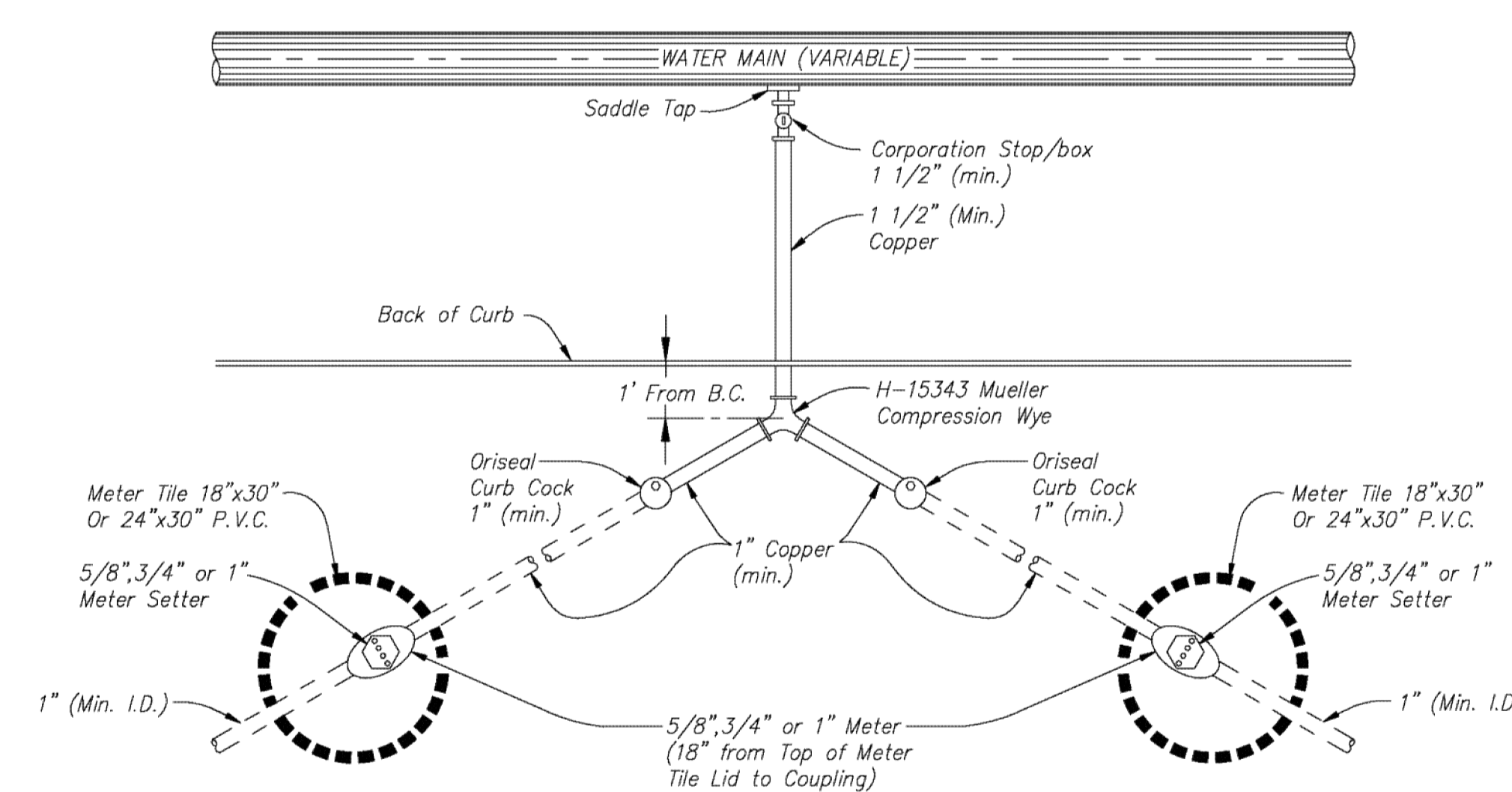
**TYPICAL 1" WATER SERVICE**  
 Not to Scale



**STANDARD FOR 1 1/2" AND 2" MULTIPLE METER SETTINGS**  
 Not to Scale



**STANDARD FOR 1 1/2" AND 2" METER SETTINGS**  
 Not to Scale



**STANDARD FOR "Y" BRANCH 5/8", 3/4" & 1" MULTIPLE METER SETTINGS**  
 Not to Scale

Note: All Curb Shut-off Valves Shall be Mueller Cat. No. H-15201.



REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE

2010

DETAILS  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

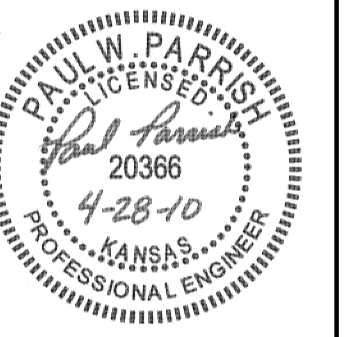
NO.	REVISIONS	DATE	BY	NO.	REVISIONS	DATE	BY

STANDARD DETAILS - WATER SERVICE

CITY OF SALINA  
 Dept. of Public Works  
 Engineering Division  
 300 WEST ASH SALINA, KANSAS 67401  
 PH: 785.309.5725 FAX: 785.309.5713

DESIGN: \_\_\_\_\_ DATE: \_\_\_\_\_ PROJ. NO.: \_\_\_\_\_ SCALE: Not to S  
 DRAWN: \_\_\_\_\_ FILENAME: \_\_\_\_\_ SHEET: \_\_\_\_\_ OF \_\_\_\_\_

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-DTL  
 date: APRIL 28, 2010

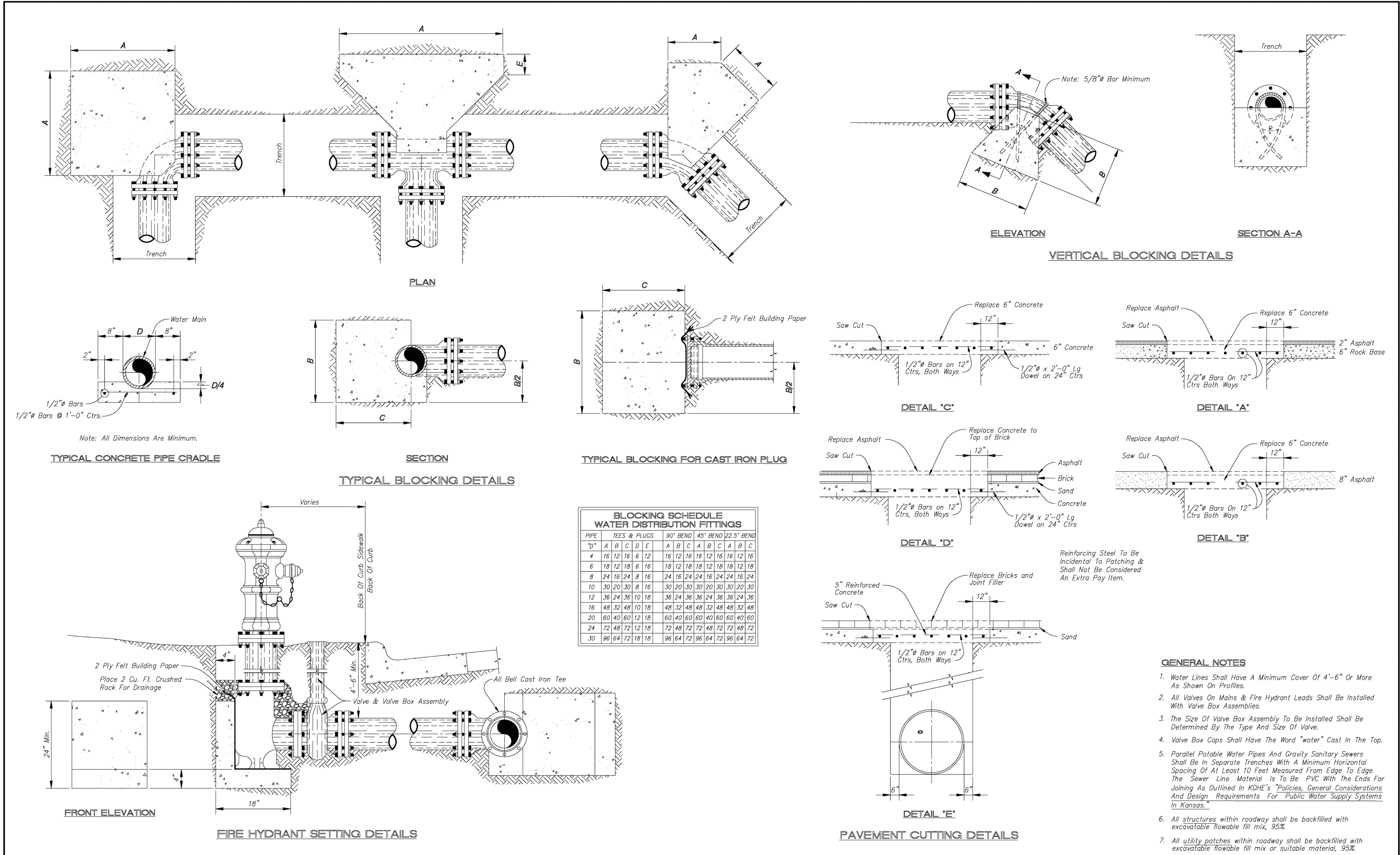


REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE

2010

DETAILS  
 QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET  
 SALINA, KANSAS

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-DTL  
 date: APRIL 28, 2010



PIPE	TEES & PLUGS				90° BEND			45° BEND			22.5° BEND		
	A	B	C	D	A	B	C	A	B	C	A	B	C
4	16	12	16	6	12	16	12	16	12	16	12	16	12
6	18	12	18	6	16	18	12	18	12	18	12	18	12
8	24	16	24	8	16	24	16	24	16	24	16	24	16
10	30	20	30	8	16	30	20	30	20	30	20	30	20
12	36	24	36	10	18	36	24	36	24	36	24	36	24
16	48	32	48	10	18	48	32	48	32	48	32	48	32
20	60	40	60	12	18	60	40	60	40	60	40	60	40
24	72	48	72	12	18	72	48	72	48	72	48	72	48
30	96	64	96	12	18	96	64	96	64	96	64	96	64

NO.	REVISIONS	DATE	BY

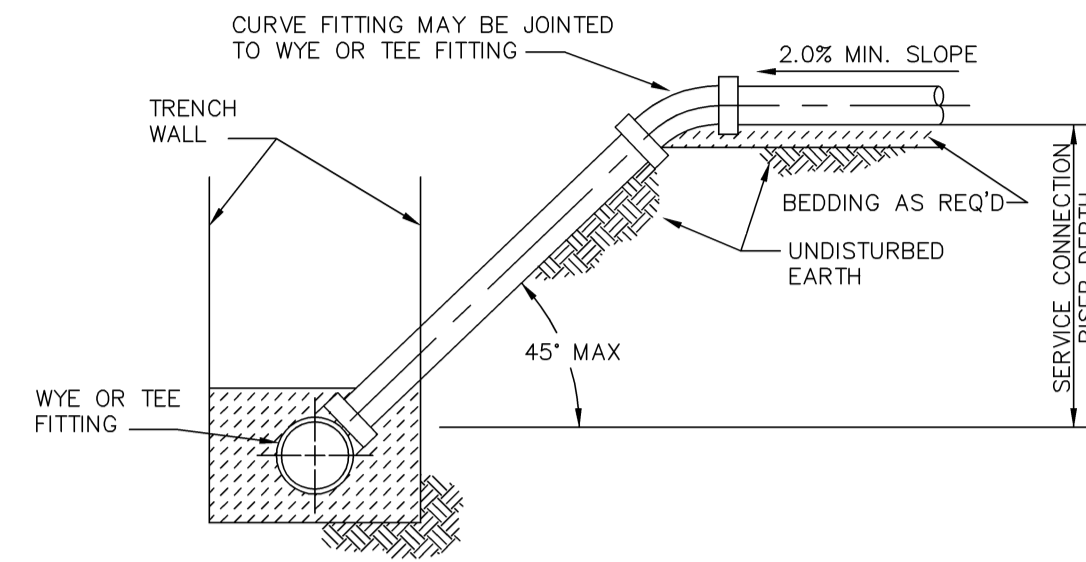
PROJECT TITLE:  
 FEB 8, 2005

STANDARD DETAILS - WATER DISTRIBUTION

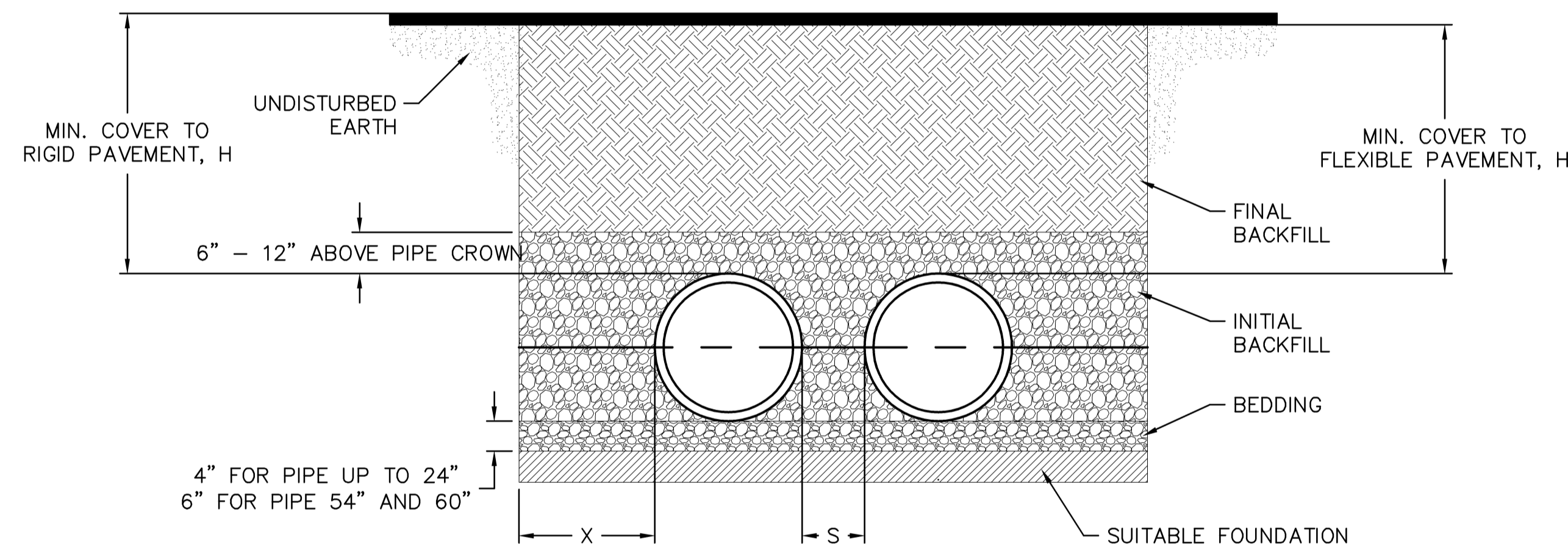
**CITY OF SALINA**  
 Dept. of Public Works  
 Engineering Division  
 300 WEST ASH SALINA, KANSAS 67401  
 PH: 785.309.5725 FAX: 785.309.5713

DESIGN	DATE	PROJ. NO.	SCALE
			Not to Scale
DRAWN	FILENAME	SHEET	OF

DWG: F:\Projects\008-1218\LDWP\Final Plans\81218-DTL.dwg  
 DATE: Apr 28, 2010 1:24pm  
 USER: akruse  
 XREFS: 01-24336



**SEWER SERVICE CONNECTION DETAIL**  
NOT TO SCALE



**NOTES:**

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATAION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

**MINIMUM RECOMMENDED COVER BASED ON LOADING CONDITIONS**

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
54" - 60"	24"	60"

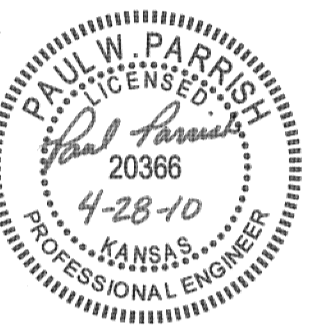
\* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

**RECOMMENDED MINIMUM SPACING**

PIPE DIAM.	MIN. "X"	MIN. "S" +
12"	8"	12"
15"	8"	12"
18"	9"	12"
24"	10"	12"
30"	18"	15"
36"	18"	18"
42"	18"	21"
48"	18"	24"
54"	18"	27"
60"	18"	30"

+MINIMUM SPACING ("S") MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER

**PARALLEL PIPE INSTALLATION**  
NOT TO SCALE



REV. NO.	DATE	REVISIONS DESCRIPTION
0	4/28/10	INITIAL ISSUE

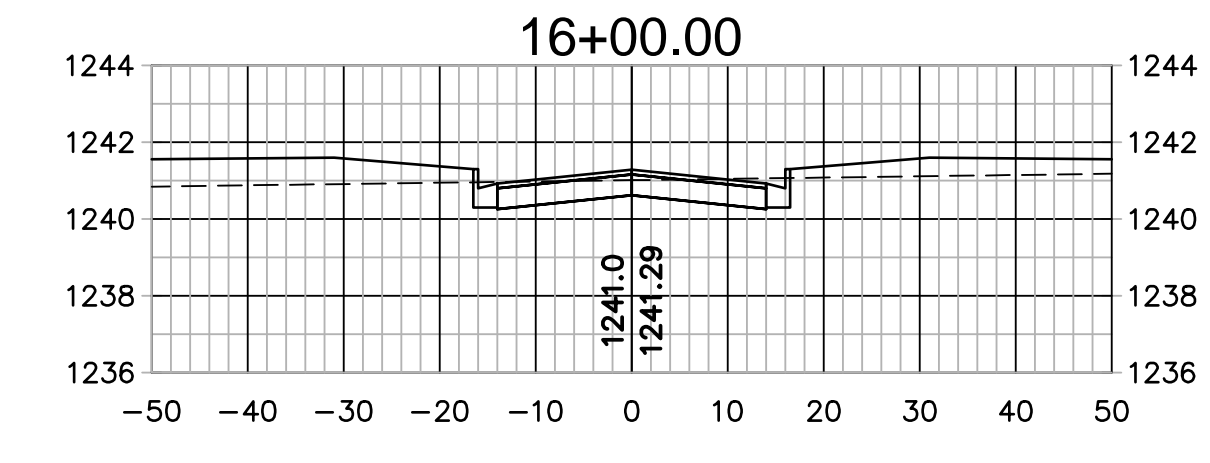
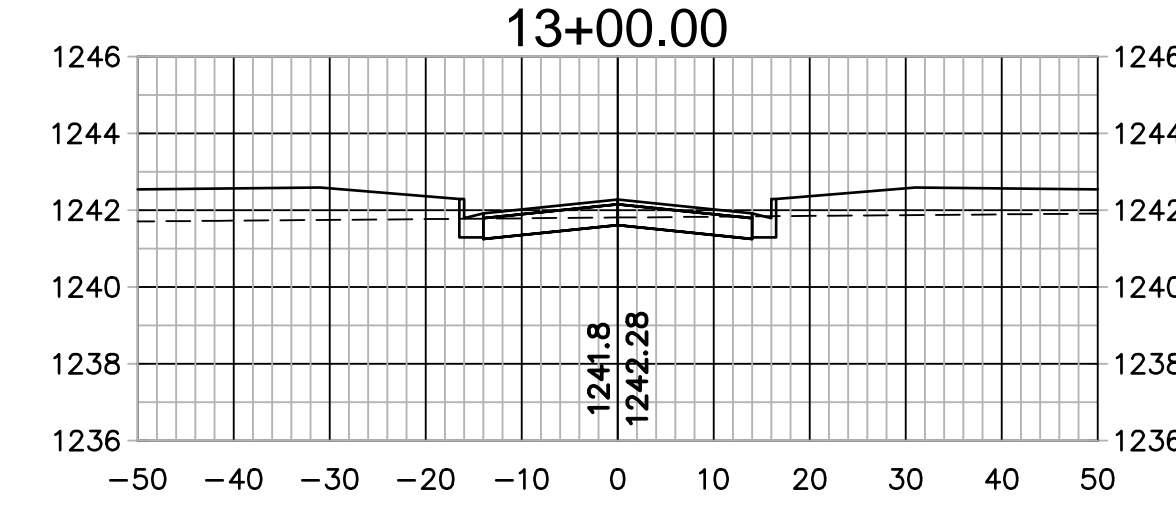
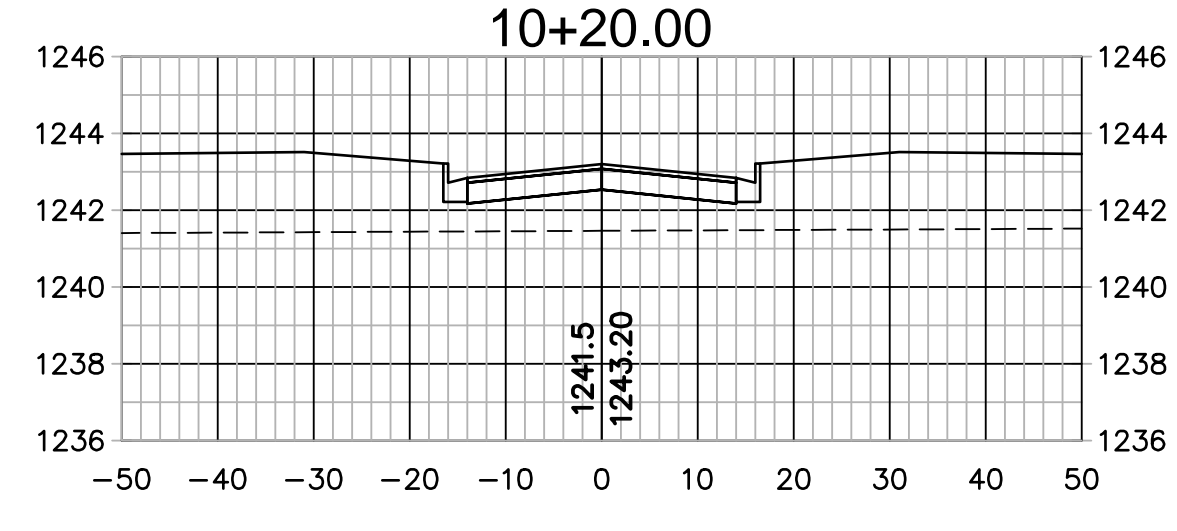
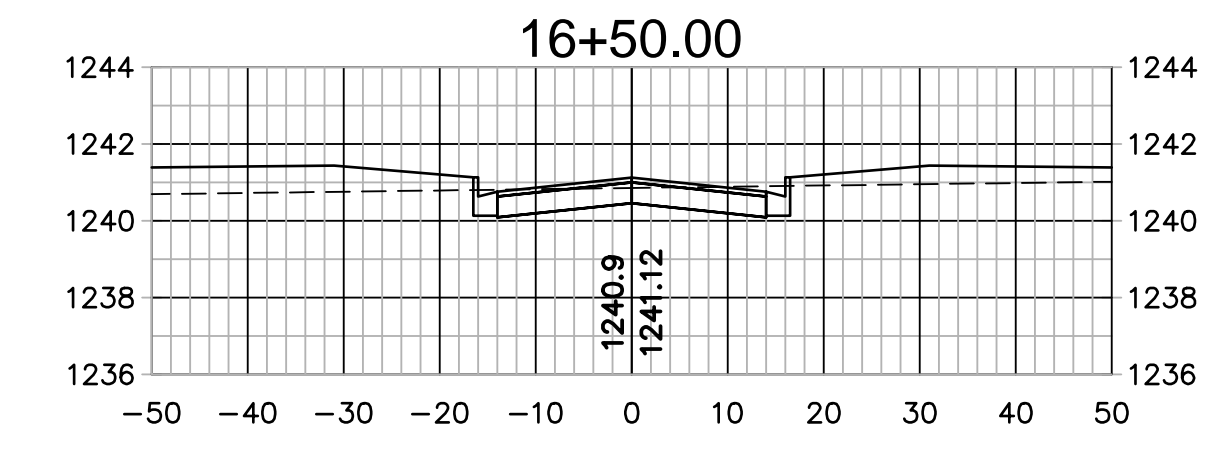
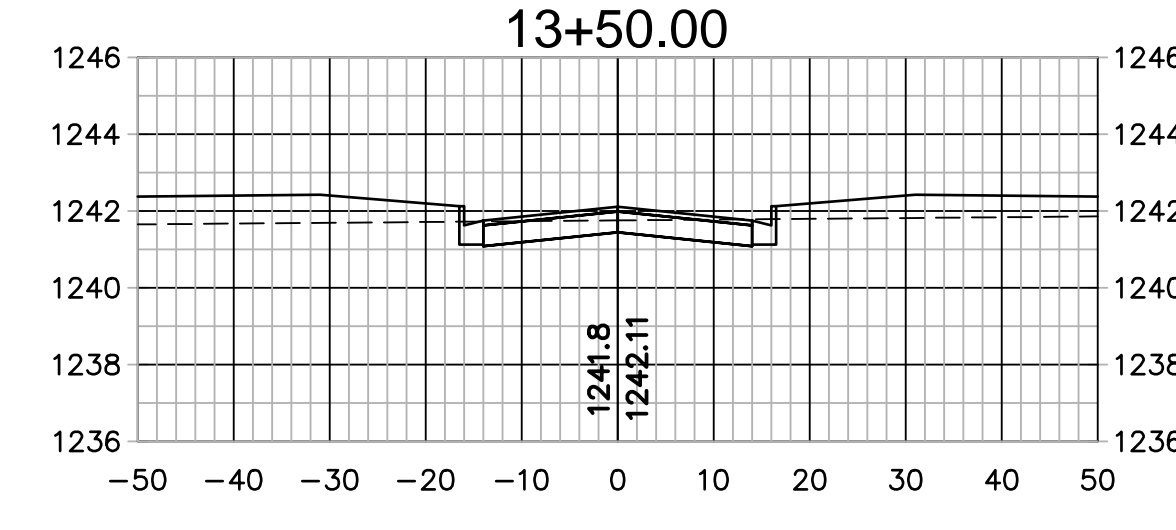
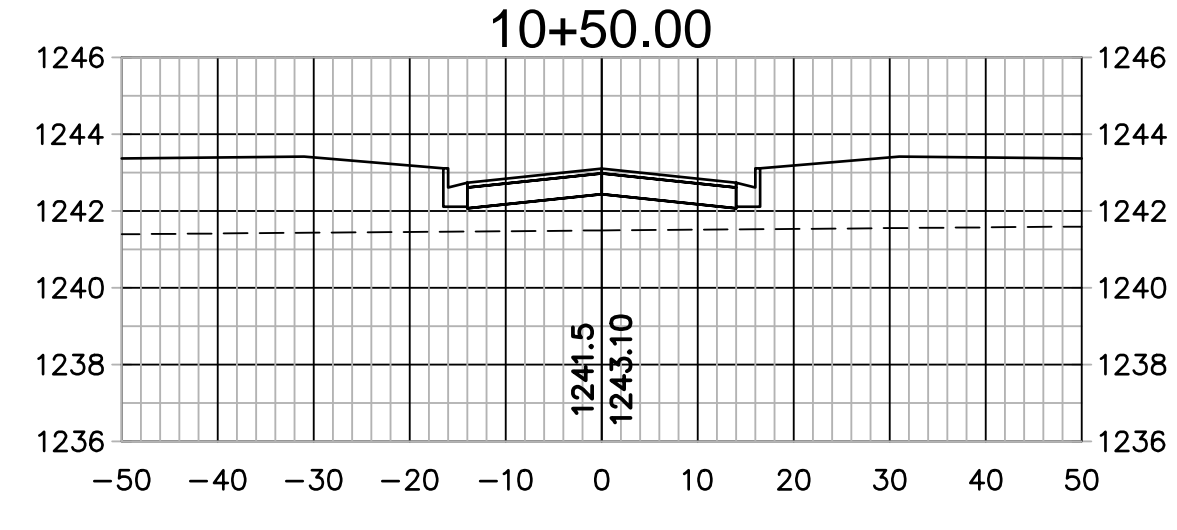
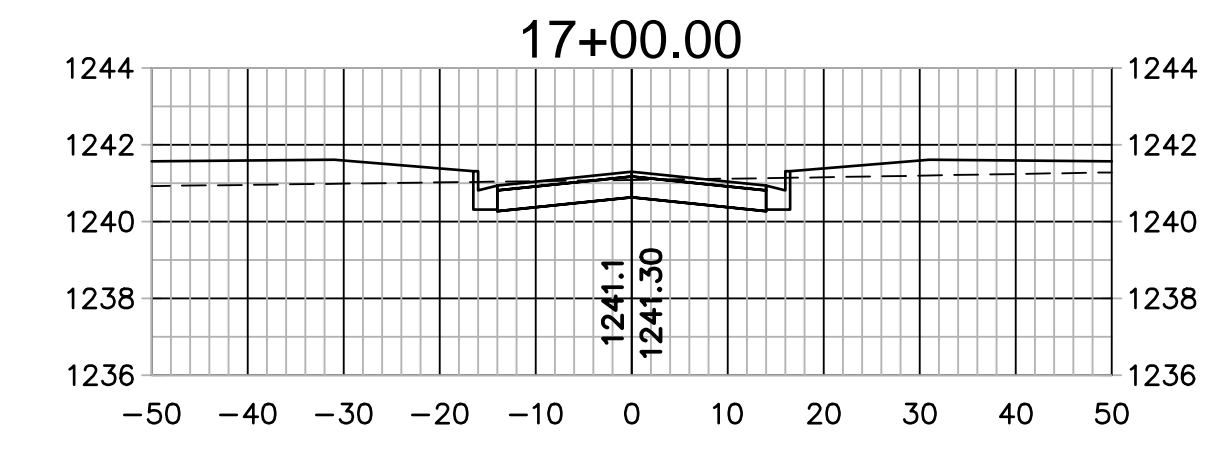
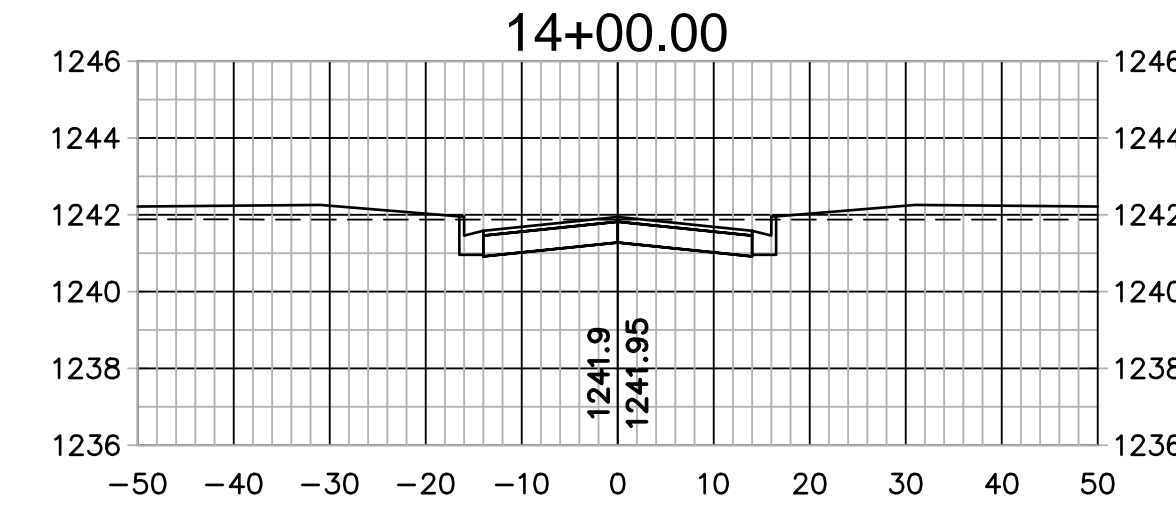
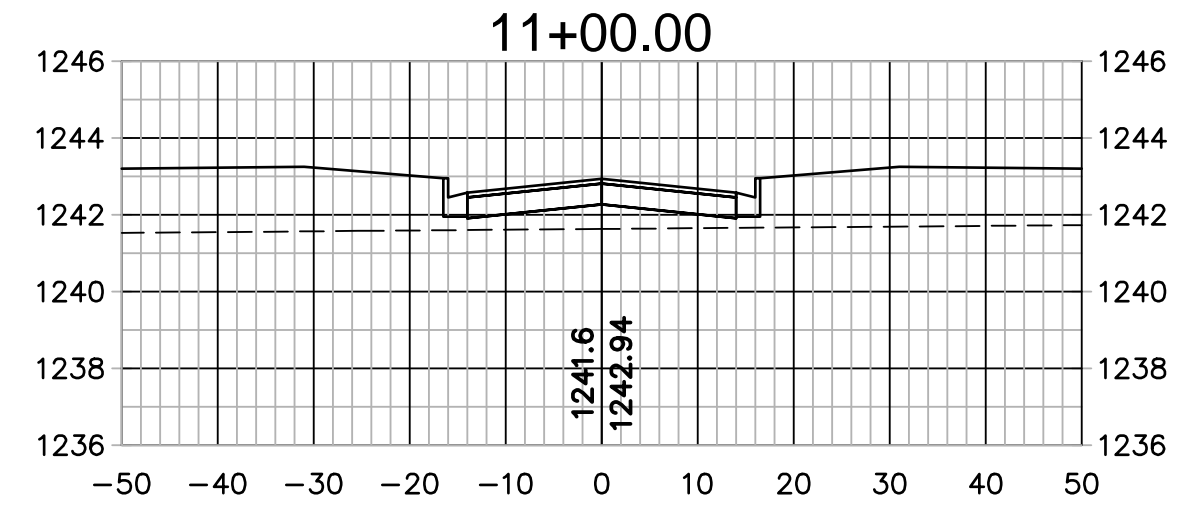
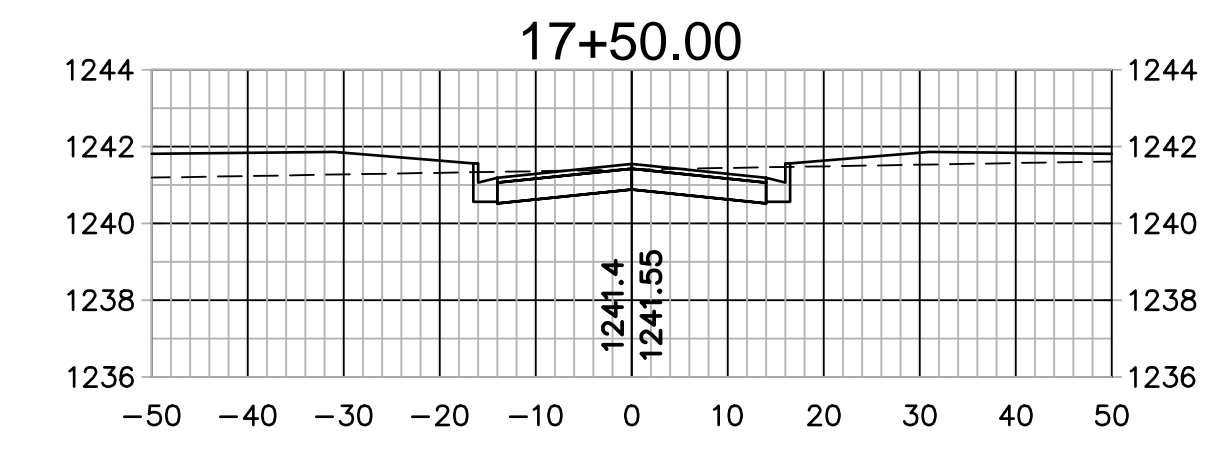
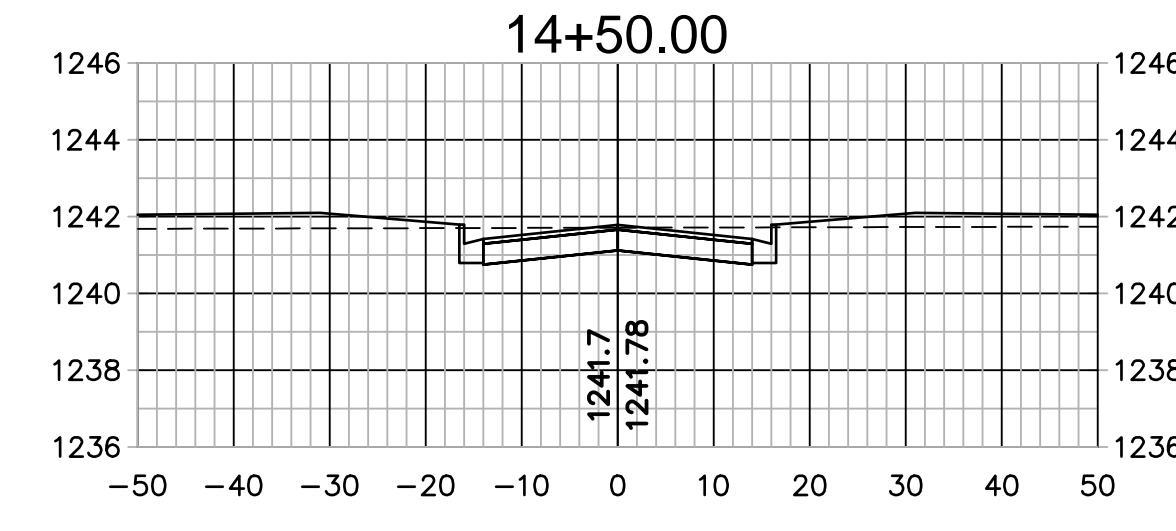
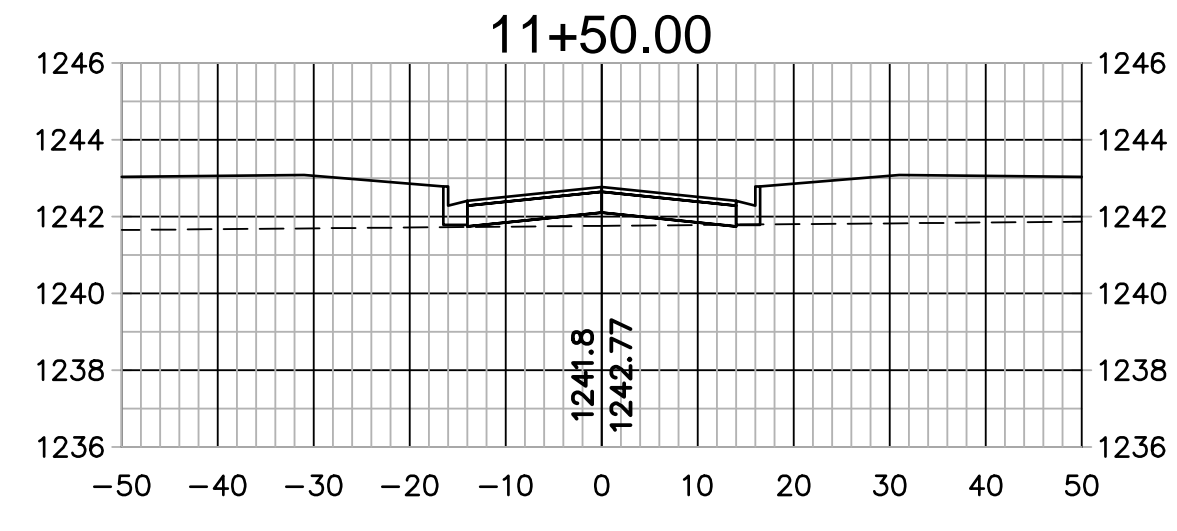
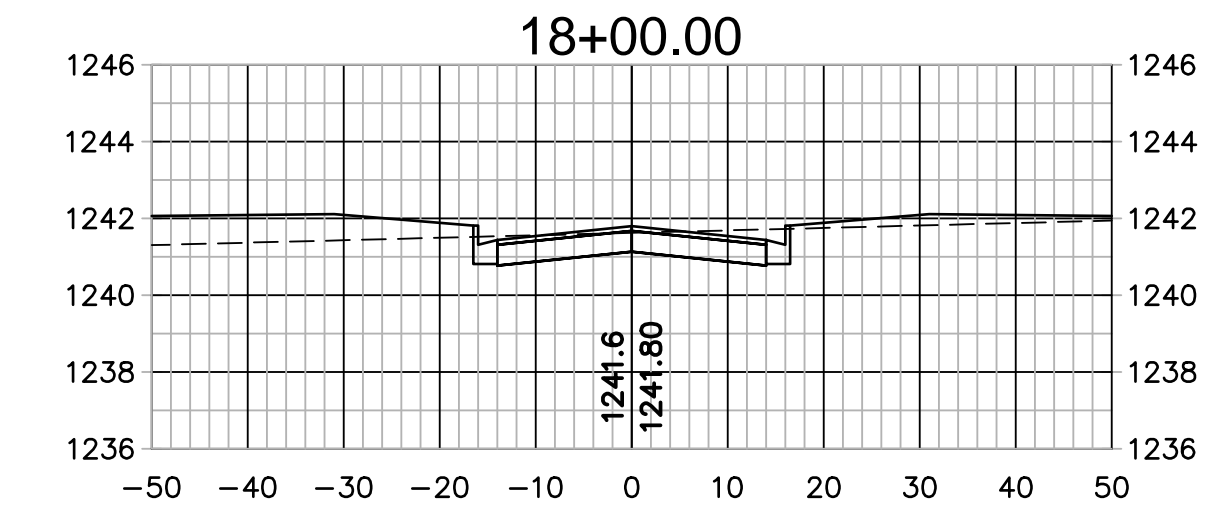
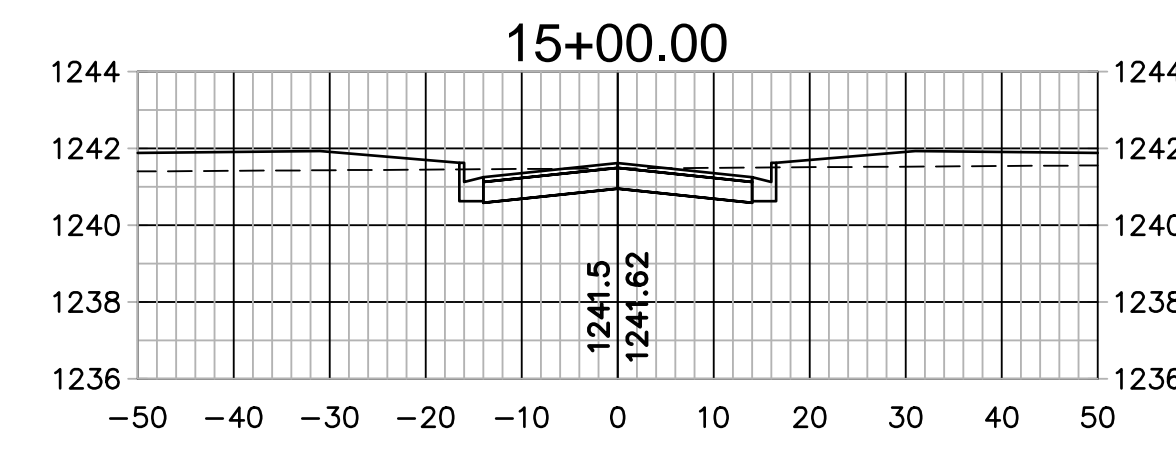
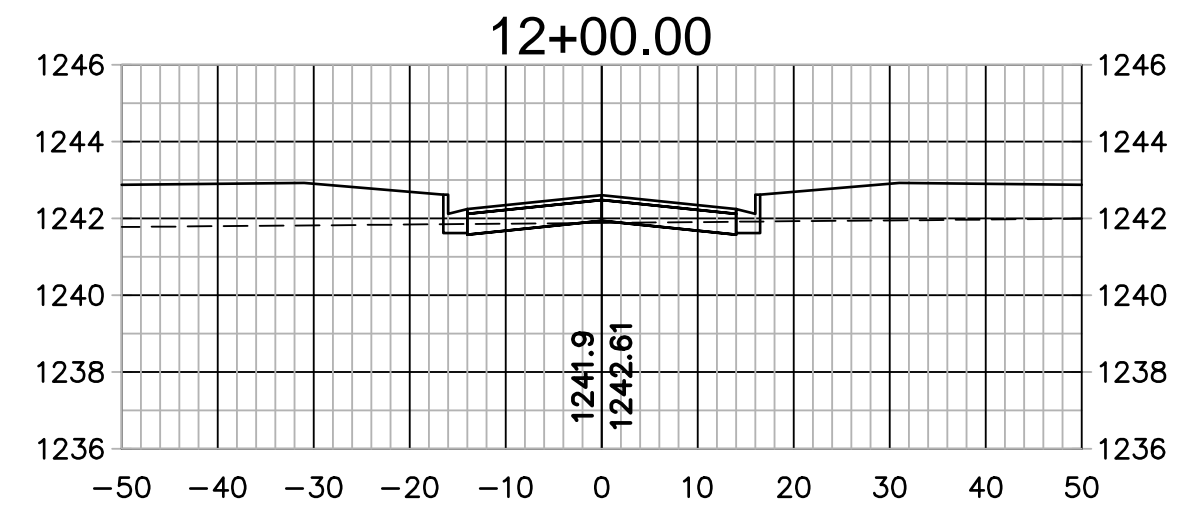
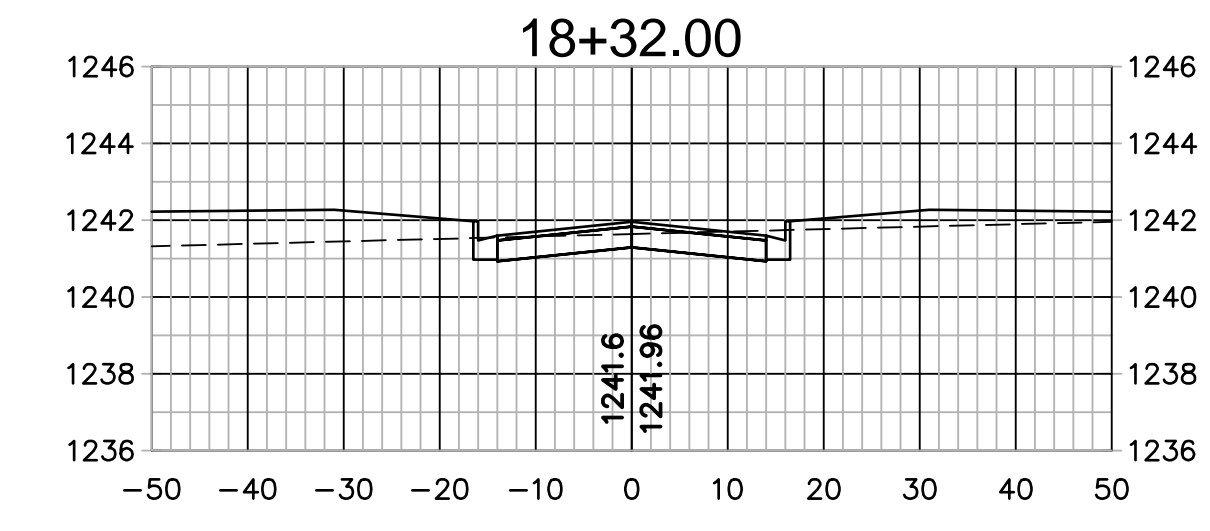
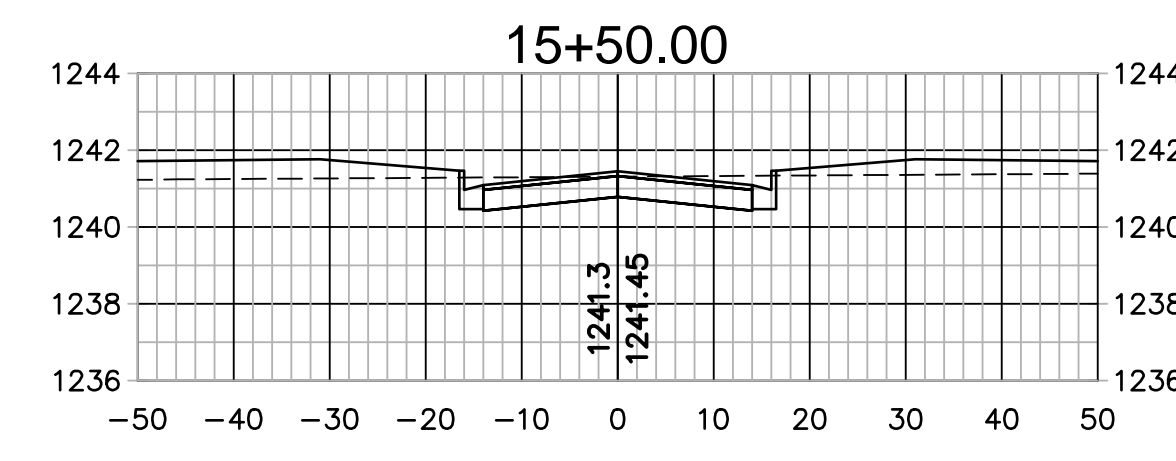
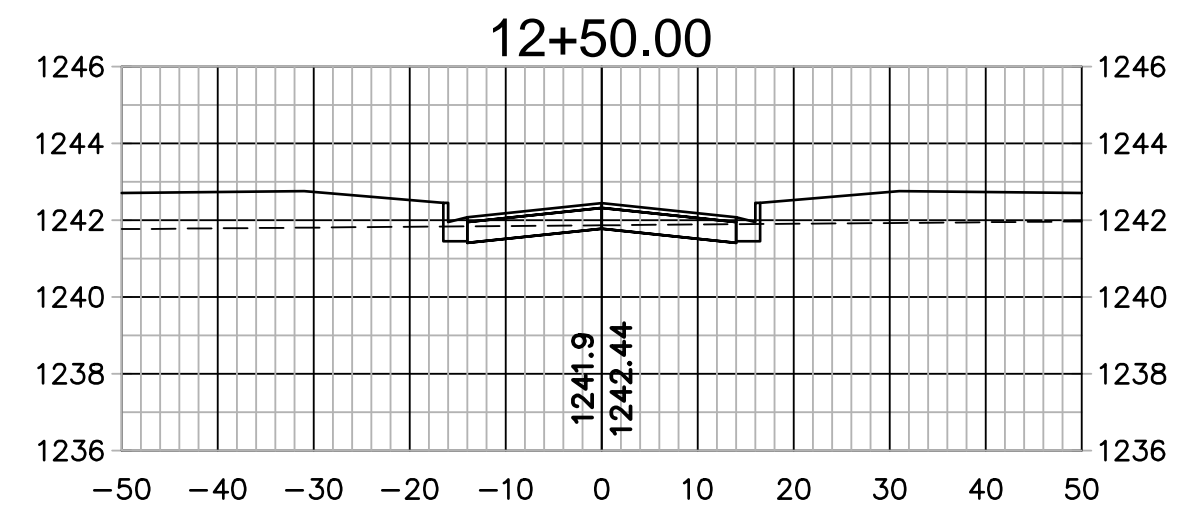
2010

DETAILS  
QUAIL MEADOWS - PHASE V  
SCHILLING ROAD & OHIO STREET  
SALINA, KANSAS

drawn by: AJK  
checked by: BWS  
approved by: PWP  
QA/QC by: TLD  
project no.: 008-1218  
drawing no.: 81218-DTL  
date: APRIL 28, 2010

Z:\Civil 3D Projects\A13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-XSC01.dwg, 8/29/2013 9:46:34 AM, Trump

DWG: Z:\Civil 3D Projects\A13\_6395\SURVEY\AS-BUILT\QUAIL MEADOWS PHASE V\81218-XSC01.dwg  
 DATE: Aug 28, 2013 9:46am  
 USER: Trump



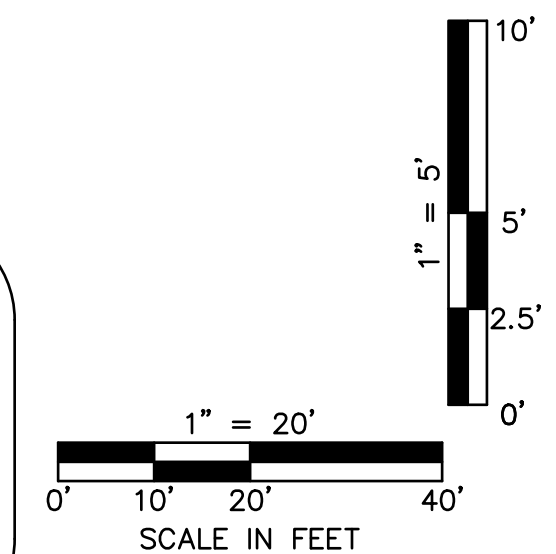
**AS-BUILT**

2319 NORTH JACKSON  
 P.O. BOX 1304  
 JUNCTION CITY, KANSAS 66441  
 (785)762-5040  
 FAX: (785)762-7744  
 E-MAIL: js@kveeng.com

**KAW VALLEY ENGINEERING, INC.**  
 CONSULTING ENGINEERS

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER  
 ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF  
 AUTHORIZATION #E-113, EXPIRES 12/31/14

PROJ. NO. A13\_6395 DSN:  
 CFN: 812818-XSC01 DWN: JT



REV. NO.	DATE	REVISION DESCRIPTION
0	4/28/10	INITIAL ISSUE
	8/27/13	AS-BUILT PLANS

RITTEGERS LANE  
 CROSS SECTIONS

QUAIL MEADOWS - PHASE V  
 SCHILLING ROAD & OHIO STREET

SALINA, KANSAS

2010

drawn by: AJK  
 checked by: BWS  
 approved by: PWP  
 QA/QC by: TLD  
 project no.: 008-1218  
 drawing no.: 81218-XSC01  
 date: APRIL 28, 2010

