

FORT WAYNE
CITY UTILITIES ENGINEERING
KRAMER DITCH
DRAINAGE IMPROVEMENTS
W.O. #83384
RESOLUTION NO. 83384

MAYOR

HONORABLE THOMAS C. HENRY

BOARD OF STORMWATER MANAGEMENT

ROBERT P. KENNEDY, CHAIRMAN

MATTHEW WIRTZ, P.E., MEMBER

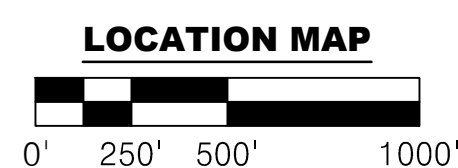
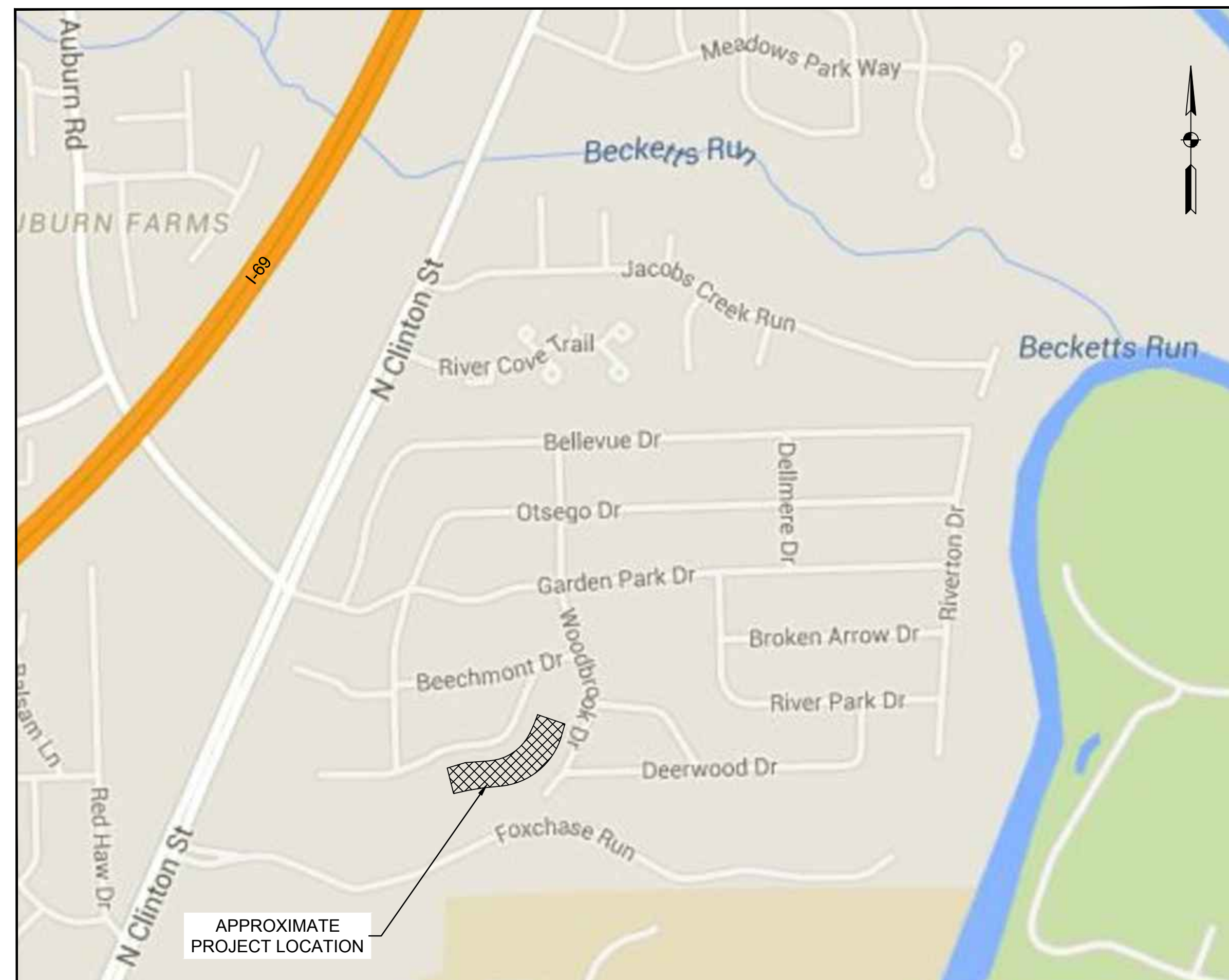
MIKE AVILA, MEMBER

CITY UTILITES ENGINEERING

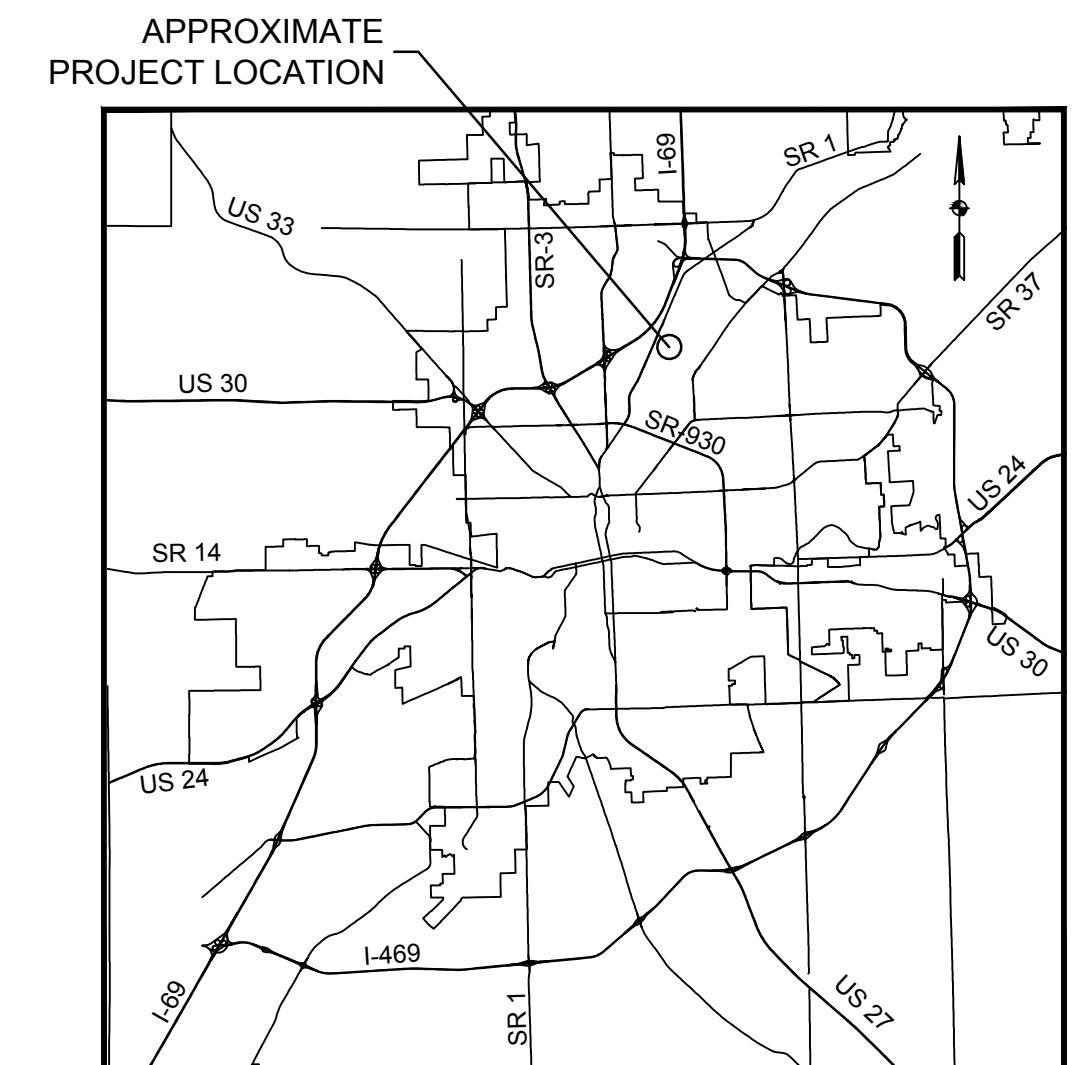
MATTHEW A. WIRTZ, P.E.
DEPUTY DIRECTOR/CHIEF ENGINEER

ANNE MARIE SMRCHEK, P.E.
SEWER AND STORM ENGINEERING MANAGER

KATHLEEN HERBER, E.I.
PROJECT MANAGER



CITY MAP(S): P42 & Q42



CITY VICINITY MAP
Scale: N.T.S.

SHEET INDEX			
NO.	ID NO.	DESCRIPTION	REMARKS
1	G-001-01	TITLE SHEET	
2	G-001-01	GENERAL NOTES	
3-4	C-106-01 TO C-106-02	RESTORATION	
5	C-108-03	PLAN AND PROFILE	
6-8	C-301-04 TO C-301-06	CROSS SECTIONS	
9	C-501-07	STANDARD DETAILS	

PLANS PREPARED BY:
FORT WAYNE
CITY UTILITIES ENGINEERING
CITIZENS SQUARE
200 E. BERRY ST., STE 250
FORT WAYNE, IN 46802

BY:
DATE:

BY:
DATE:

KRAMER DITCH
DRAINAGE IMPROVEMENTS

PREPARED FOR:
FORT WAYNE
CITY UTILITIES ENGINEERING
CITIZENS SQUARE
200 E. BERRY ST., STE 250
FORT WAYNE, IN 46802

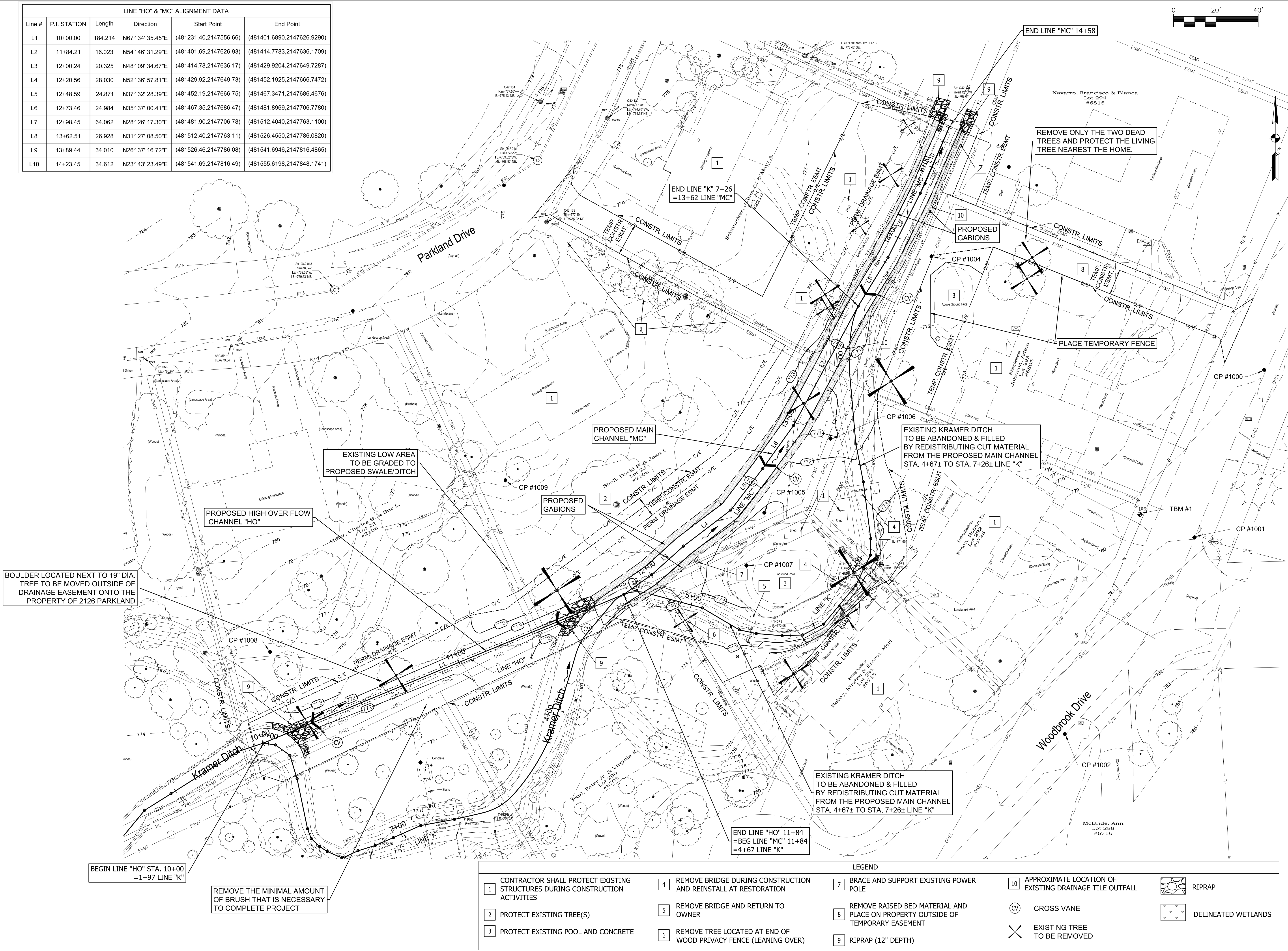
100% PLANS
FOR BIDDING
PURPOSES

W.O. NO:	83384
DWG NO:	SY-20668
SURVEYED BY:	APEX CONSULTING
DRAWN BY:	P. HOWARD / A. SPRINGER
DESIGNED BY:	KATHLEEN HERBER, E.I.
CHECKED BY:	ANNE MARIE SMRCHEK, PE
APPROVED BY:	ANNE MARIE SMRCHEK, PE
DATE:	10/27/15
SHEET TITLE:	
TITLE SHEET	
G-001-01	
SHEET 1 OF 9	



10/27/2015 8:14 AM
S:\2014 PROJECTS\14-407 FWC\KRAMER DITCH DRAINAGE IMPROVEMENTS\DRAWINGS\394C-106-01.DWG

LINE "HO" & "MC" ALIGNMENT DATA					
Line #	P.I. STATION	Length	Direction	Start Point	End Point
L1	10+00.00	184.214	N67° 34' 35.45"E	(481231.40,2147556.66)	(481401.6890,2147626.9290)
L2	11+84.21	16.023	N54° 46' 31.29"E	(481401.69,2147626.93)	(481414.7783,2147636.1709)
L3	12+00.24	20.325	N48° 09' 34.67"E	(481414.78,2147636.17)	(481429.9204,2147649.7287)
L4	12+20.56	28.030	N52° 36' 57.81"E	(481429.92,2147649.73)	(481452.1925,2147666.7472)
L5	12+48.59	24.871	N37° 32' 28.39"E	(481452.19,2147666.75)	(481467.3471,2147686.4676)
L6	12+73.46	24.984	N35° 37' 00.41"E	(481467.35,2147686.47)	(481481.8969,2147706.7780)
L7	12+98.45	64.062	N28° 26' 17.30"E	(481481.90,2147706.78)	(481512.4040,2147763.1100)
L8	13+62.51	26.928	N31° 27' 08.50"E	(481512.40,2147763.11)	(481526.4550,2147786.0820)
L9	13+89.44	34.010	N26° 37' 16.72"E	(481526.46,2147786.08)	(481541.6946,2147816.4865)
L10	14+23.45	34.612	N23° 43' 23.49"E	(481541.69,2147816.49)	(481555.6198,2147848.1741)



LEGEND			
1	CONTRACTOR SHALL PROTECT EXISTING STRUCTURES DURING CONSTRUCTION ACTIVITIES	4	REMOVE BRIDGE DURING CONSTRUCTION AND REINSTALL AT RESTORATION
2	PROTECT EXISTING TREE(S)	5	REMOVE BRIDGE AND RETURN TO OWNER
3	PROTECT EXISTING POOL AND CONCRETE	6	REMOVE TREE LOCATED AT END OF WOOD PRIVACY FENCE (LEANING OVER)
7	BRACE AND SUPPORT EXISTING POWER POLE	8	REMOVE RAISED BED MATERIAL AND PLACE ON PROPERTY OUTSIDE OF TEMPORARY EASEMENT
9	RIPRAP (12" DEPTH)	10	APPROXIMATE LOCATION OF EXISTING DRAINAGE TILE OUTFALL
		CV	CROSS VANE
		X	EXISTING TREE TO BE REMOVED
			RIPRAP
			DELINEATED WETLANDS

PLANS PREPARED BY:
FORT WAYNE
CITY UTILITIES ENGINEERING
CITIZENS SQUARE
200 E. BERRY ST., STE 250
FORT WAYNE, IN 46802

BY: *Marie Smrchek*
DATE: 10/26/2015

KRAMER DITCH
DRAINAGE IMPROVEMENTS

PREPARED FOR:
FORT WAYNE
CITY UTILITIES ENGINEERING
CITIZENS SQUARE
200 E. BERRY ST., STE 250
FORT WAYNE, IN 46802

100% PLANS
FOR BIDDING
PURPOSES

W.O. NO: 83384

DWG NO: SY-20668

SURVEYED BY:
APEX CONSULTING

DRAWN BY:
P. HOWARD / A. SPRINGER

DESIGNED BY:
KATHLEEN HERBER, E.I.

CHECKED BY:
ANNE MARIE SMRCHEK, PE

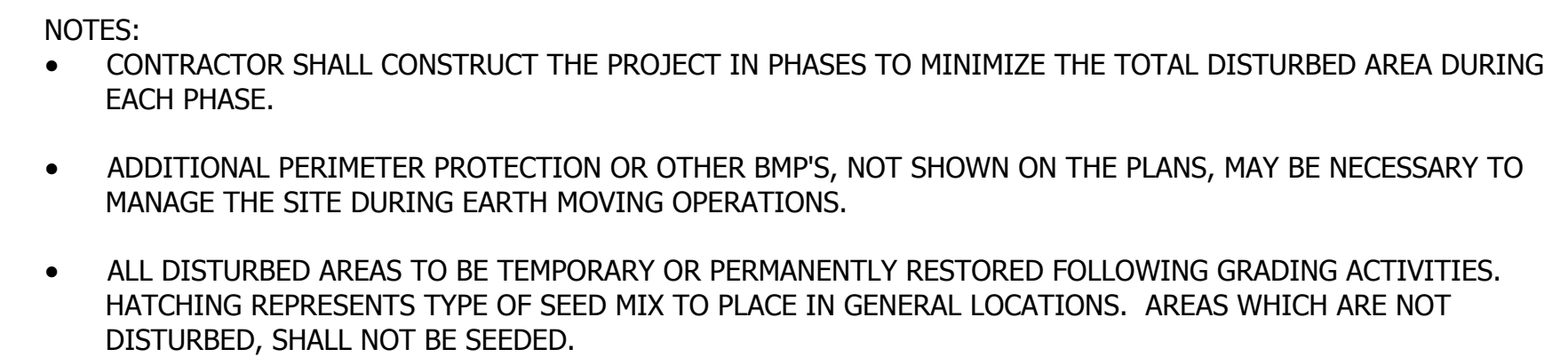
APPROVED BY:
ANNE MARIE SMRCHEK, PE

DATE: 10/27/15

SHEET TITLE:

SITE GRADING
PLAN

C-106-01
SHEET 3 OF 9



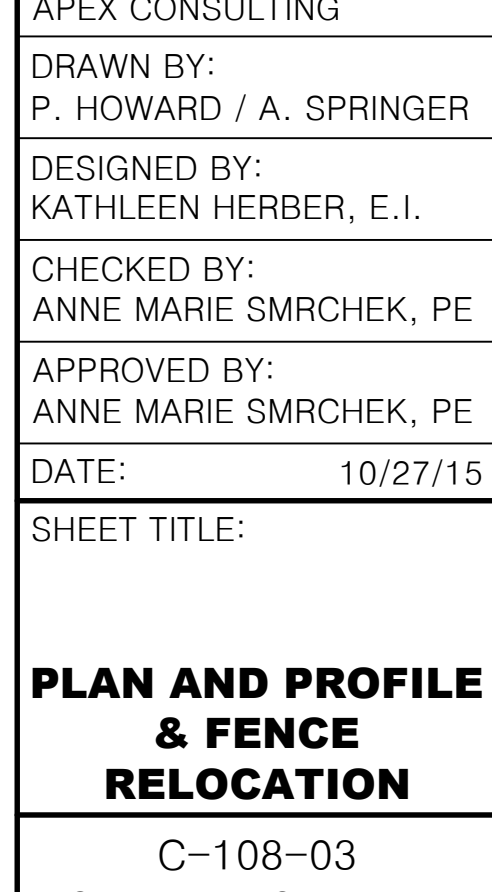
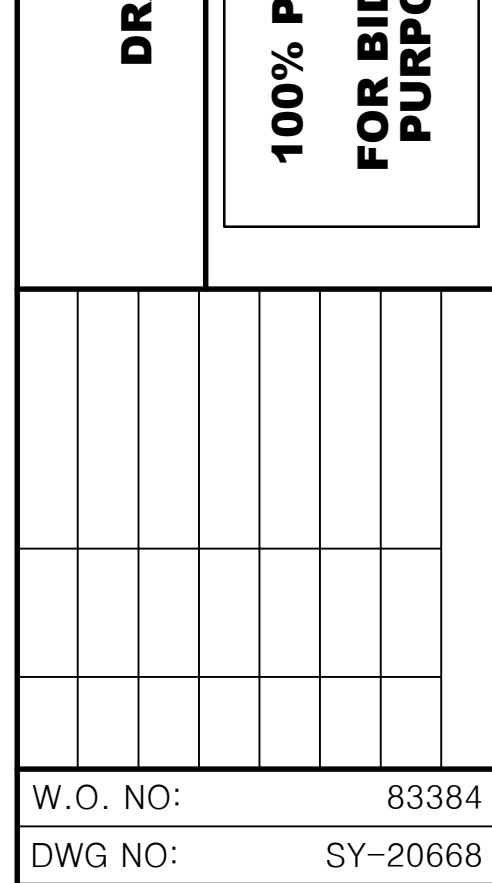
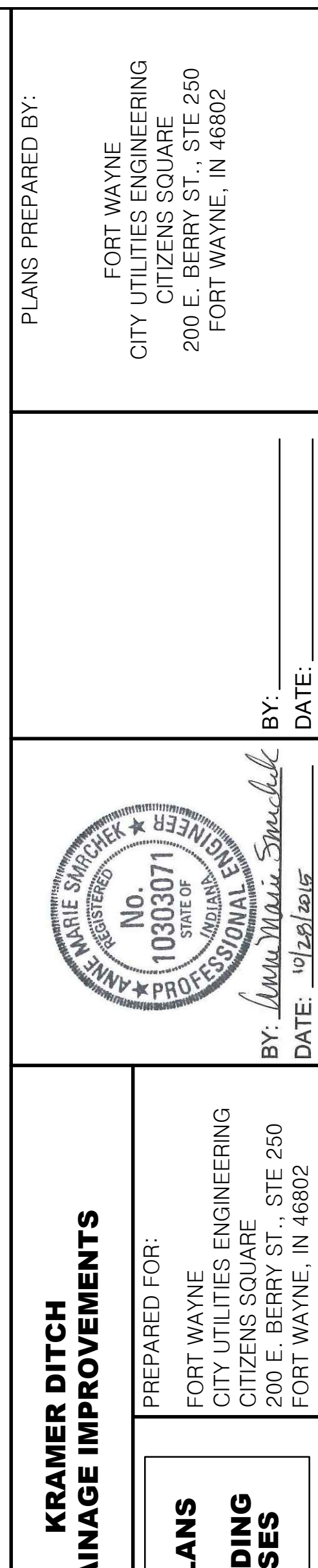
FORT WAYNE
CITY UTILITIES ENGINEERING
CITIZENS SQUARE
200 E. BERRY ST., STE 250
FORT WAYNE, IN 46802

KRAMER DITCH DRAINAGE IMPROVEMENTS

PREPARED FOR:
FORT WAYNE
CITY UTILITIES ENGINEERING
CITIZENS SQUARE
200 E. BERRY ST., STE 250
FORT WAYNE, IN 46802

W.O. NO:	83384
DWG NO:	SY-20668
SURVEYED BY:	APEX CONSULTING
DRAWN BY:	P. HOWARD / A. SPRINGER
DESIGNED BY:	KATHLEEN HERBER, E.I.
CHECKED BY:	ANNE MARIE SMRCHEK, PE
APPROVED BY:	ANNE MARIE SMRCHEK, PE
DATE:	10/27/15
SHEET TITLE:	

TEMPORARY EROSION CONTROL & RESTORATION PLAN



EROS-9-2

EROS-1

1000 500 0

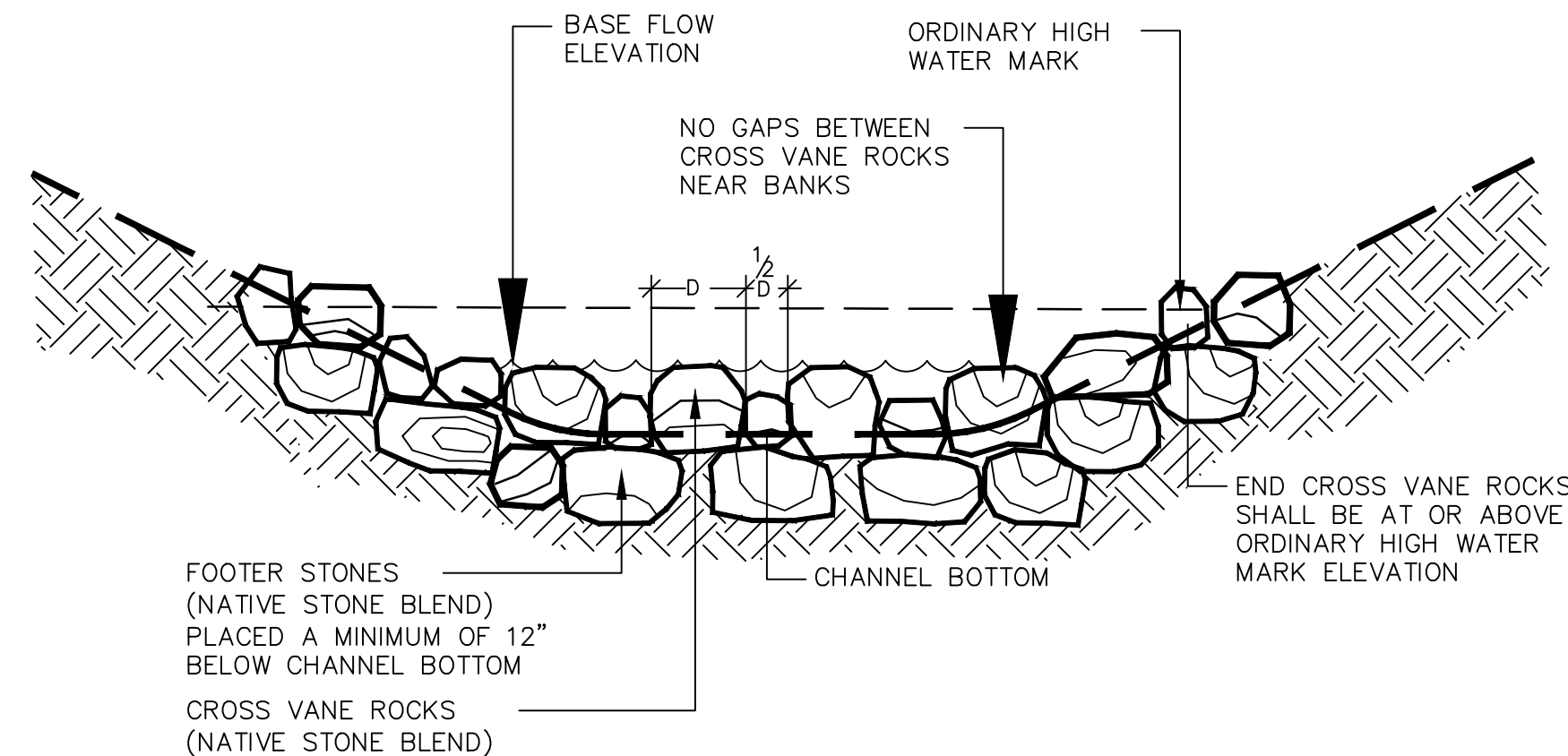
EROS-4-

EROS-4-2

TYPICAL CROSS SECTION
MAIN CHANNEL
SCALE: $\frac{1}{4}" = 1'-0"$
*STA. 11+80 TO 13+30 = 6'
*STA. 13+30 TO 13+40 = TRANS. 6'-
*STA. 13+40 TO 14+00 = 7'



1. ROCKS SHALL BE HAND PLACED BY RESTORATION CONTRACTOR.
2. THE CROSS VANE STRUCTURES SHALL EACH CONSIST OF A 50/50 BLEND OF 12"-18" LIMESTONE RIPRAP AND 12"-18" NATIVE FIELD STONE. THE CROSS VANE STRUCTURES SHALL BE APPROXIMATELY 24" WIDE AND 30" DEEP (INCLUDING FOOTER STONES), WITH THE FOOTER STONES BURIED A MINIMUM OF 12" BELOW THE CHANNEL BOTTOM.
3. WHERE EROSION CONTROL FABRIC IS INDICATED IN BOTTOM OF CHANNEL, FABRIC SHALL BE BURIED UNDER CROSS VANE STRUCTURES.



KRAMER DITCH DRAINAGE IMPROVEMENTS	100% PLANS FOR BIDDING PURPOSES	PREPARED FOR:		FORT WAYNE CITY UTILITIES ENGINEERING CITIZENS SQUARE 200 E. BERRY ST., STE 250 FORT WAYNE, IN 46802
W.O. NO:		83384		
DWG NO:		SY-20668		
SURVEYED BY: APEX CONSULTING				
DRAWN BY: P. HOWARD / A. SPRINGER				
DESIGNED BY: KATHLEEN HERBER, E.I.				
CHECKED BY: ANNE MARIE SMRCHEK, PE				
APPROVED BY: ANNE MARIE SMRCHEK, PE				
DATE:		10/20/15		
SHEET TITLE:				
STANDARD DETAILS				
C-501-07				
SHEET 9 OF		9		