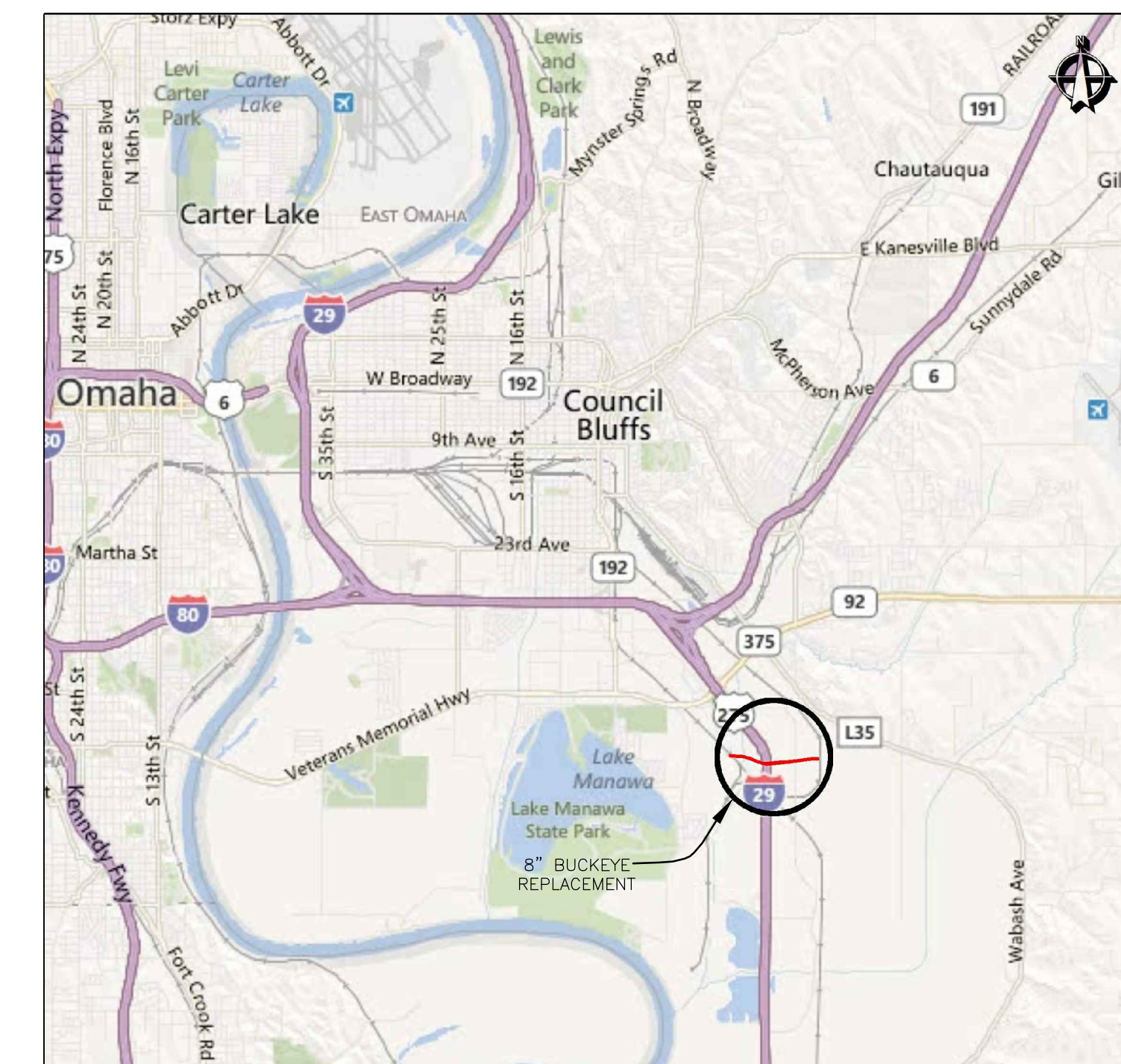


BUCKEYE PARTNERS, L.P
 FIVE TEK PARK
 9999 HAMILTON BLVD
 BREINIGSVILLE, PA 18031

VICINITY MAP



N.T.S.

8-INCH I-29, RR, & LEVEE PIPELINE RELOCATION PROJECT

COUNCIL BLUFFS, IA



WILLBROS ENGINEERING

4400 POST OAK PARKWAY
 SUITE 1000
 HOUSTON, TX 77027
 TX-F-82

PROJECT DRAWINGS

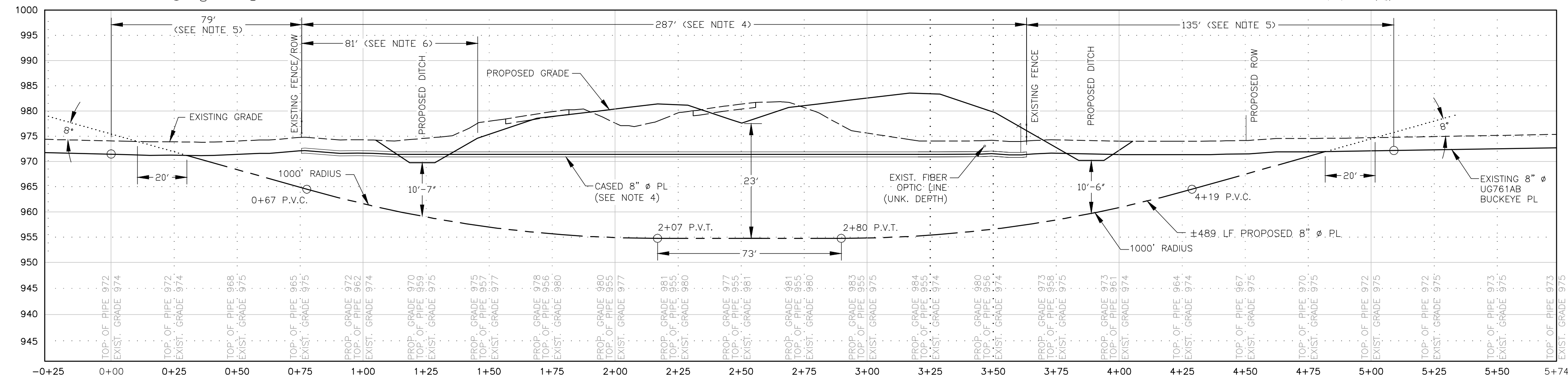
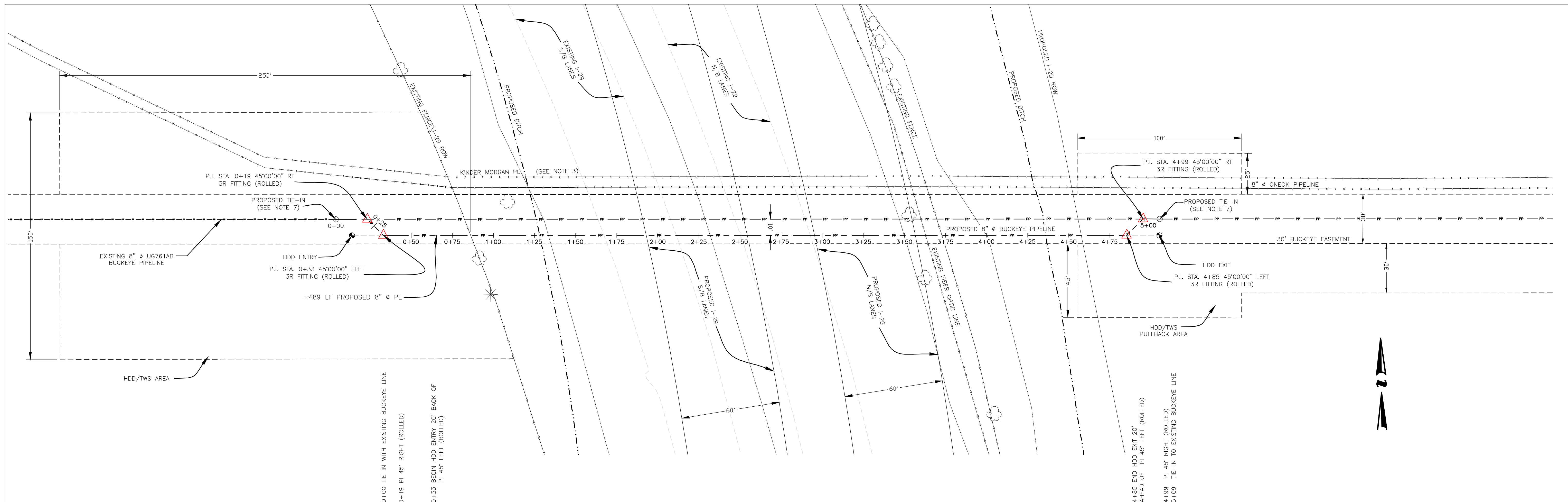
<u>DRAWING NUMBER</u>	<u>REV. NO.</u>	<u>PAGE NO.</u>	<u>DESCRIPTION</u>
52048-RPL-01	3	1	HDD PLAN AND PROFILE
52048-RPL-02	3	2	ABANDONMENT PLAN
52048-RPL-03	2	3	PROPOSED LEVEE PLAN AND PROFILE
52048-RPL-04	2	4	PROPOSED RR ABANDONMENT PLAN
52048-RPL-05	2	5	PROPOSED RR REROUTE PAGE 1
52048-RPL-05	2	6	PROPOSED RR REROUTE PAGE 2



Know what's below.
 Call before you dig.

BUCKEYE PARTNERS, L.P. ("BUCKEYE") IS NOT LIABLE FOR ANY EVENT(S) ARISING OUT OF THE USE OF THIS INFORMATION. INFORMATION CONTAINED HEREIN IS "SECURITY SENSITIVE INFORMATION" AND SHOULD NOT BE REPRODUCED OR DISTRIBUTED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM BUCKEYE. THE LOCATION OF BUCKEYE'S PIPELINES/FACILITIES ARE NOTED FOR GENERAL PURPOSES ONLY AND SHOULD NOT BE CONSIDERED SPECIFIC OR EXACT. THIS INFORMATION SHOULD NOT BE USED AS A SUBSTITUTE FOR CONTACTING THE APPROPRIATE ONE-CALL CENTER. BUCKEYE ENDORSES THE USE OF THE 811 NATIONAL ONE-CALL SYSTEM.

PRELIMINARY DRAWINGS ONLY
NOT FOR CONSTRUCTION



PLAN VIEW LEGEND	
EDGE OF EXISTING I-29 (PAVED SHOULDER)	---
EDGE OF PROPOSED I-29 (PAVED SHOULDER)	---
DITCHLINE (EXISTING)	---
FENCE (EXISTING)	---
BUCKEYE ROW (EXISTING)	---
BUCKEYE 8" CL (EXISTING)	---
PROPOSED BUCKEYE TWS	---
PROPOSED BUCKEYE 8" REPLACEMENT	---
EXISTING FIBER OPTIC LINE	---
EXISTING FOREIGN GAS LINE (SIZE UNK.)	---

PROFILE LEGEND	
EXISTING GRADE	---
PROPOSED GRADE	---
BUCKEYE 8" CL (EXISTING)	---
PROPOSED BUCKEYE 8" REPLACEMENT	---

NOTES:
 1. EXISTING PIPELINE IN PROFILE IS SHOWN AT AN ASSUMED DEPTH OF 32" BASED ON CORRESPONDENCE WITH IOWA DOT UTILITY COORDINATOR.
 2. THE PROFILE SHOWN REFLECTS STATION 8671+50 OF IOWA DOT'S PROFILE DRAWINGS - DRAWING IS PRELIMINARY AND MAY NOT REFLECT ACTUAL ELEVATIONS.
 3. THE PRESENCE OF THE KINDER MORGAN LINE COULD NOT BE FIELD VERIFIED.
 4. EXISTING 8" PL AND CASING TO BE CUT, CAPPED, & FILLED IN WITH GROUT.
 5. EXISTING 8" PIPELINE TO BE REMOVED BY PIPELINE CONTRACTOR.
 6. 8" GROUT-FILLED PIPE AND CASING TO BE REMOVED BY HIGHWAY CONSTRUCTION CONTRACTOR.
 7. INTERNAL TAPER BORE NEW PIPE TO TRANSITION TO EXIST PIPE (0.282" W.T.).
 8. ALL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AT THE TIME OF PREPARATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL BURIED UTILITIES & PIPELINES. WILLBROS WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO UTILITIES OR PIPELINES CAUSED BY THE CONTRACTOR DURING CONSTRUCTION.

BILL OF MATERIAL				
NO.	UOM	UNITS	DESCRIPTION	
1	LF	520	8.625" O.D., 0.500" W.T., API 5L X52, PSL 2, ERW, DRL, PEB for welding, coated w/14-16 mils of FBE and 40 mils of POWERCRETE	
2	EACH	4	8", 45', 3R ROLLED WELD ELLS, 0.500" W.T., GRADE Y52, BW, BARE	

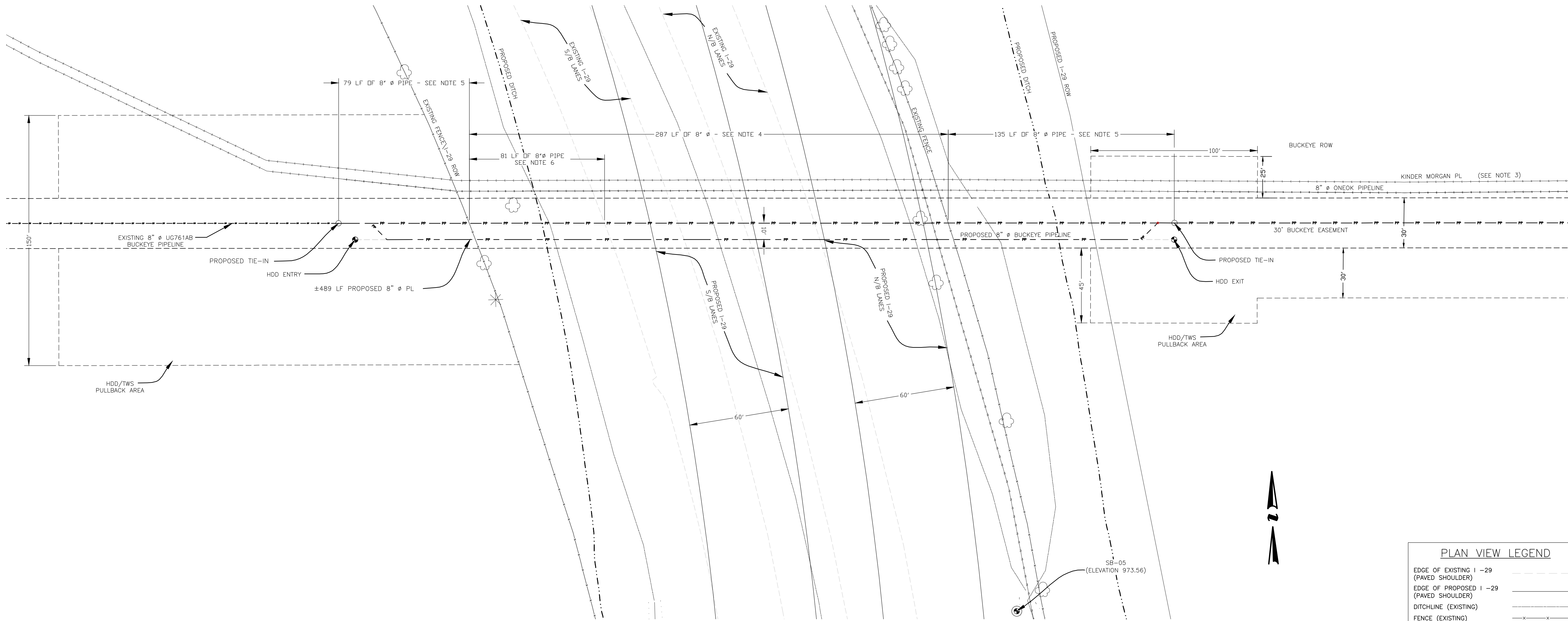
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WILLBROS ENGINEERING
 4400 POST OAK PARKWAY
 SUITE 1000
 HOUSTON, TX 77027
 TX-F-82

NO	LOC	DESCRIPTION OF REVISION	BY DATE	APPR DATE	
5					
4					
3		REVISED PER REVIEW	AMW 10/17/12	JAW 10/29/12	
2		REVISED PER NEW LOCATION PROVIDED	JAW 09/28/12	AL 10/10/12	
1		ISSUE FOR REVIEW	JAW 5/04/12	BAM 5/04/12	
NO LOC		DESCRIPTION OF REVISION	BY DATE	APPR DATE	
		WORK ORDER NO. 52048			
BUCKEYE PARTNERS, LP WILLBROS ENGINEERING					
I-29 PIPELINE RELOCATION HDD PLAN AND PROFILE COUNCIL BLUFFS, IA					
DRAWN:	JAW	SCALE:	1"=30'	DATE:	5/04/12
APPROVED:		CHECKED:		DRAWING NUMBER:	52048-RPL-01
				REV	3

PAGE 1
 DO NOT SCALE DRAWING



PLAN VIEW LEGEND	
EDGE OF EXISTING I -29 (PAVED SHOULDER)	---
EDGE OF PROPOSED I -29 (PAVED SHOULDER)	---
DITCHLINE (EXISTING)	---
FENCE (EXISTING)	-x-x-
BUCKEYE ROW (EXISTING)	---
BUCKEYE 8" CL (EXISTING)	PP
PROPOSED BUCKEYE TWS	---
PROPOSED BUCKEYE 8" REPLACEMENT	---
EXISTING FIBER OPTIC LINE	---
EXISTING FOREIGN GAS LINE (SIZE UNK.)	---

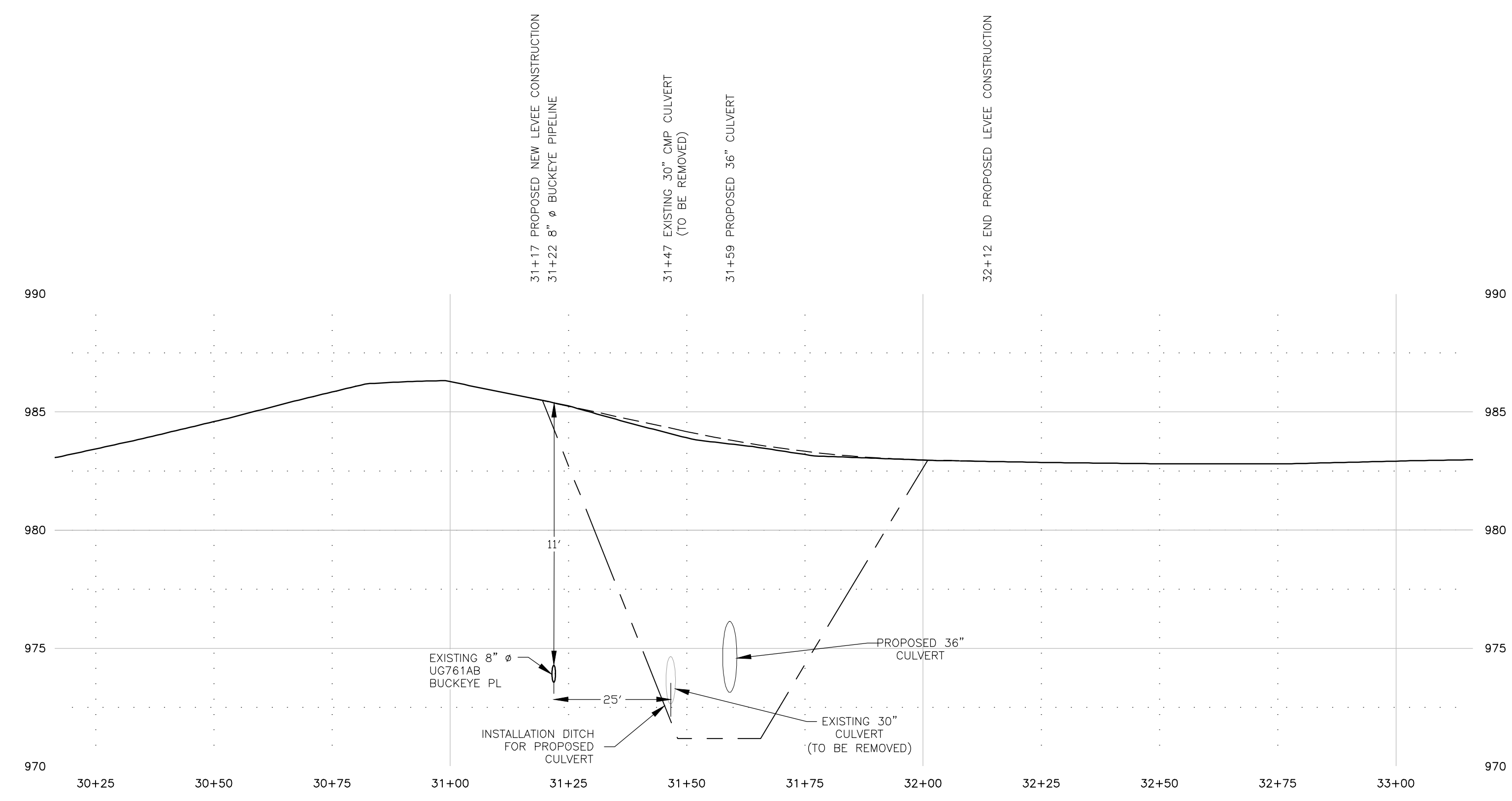
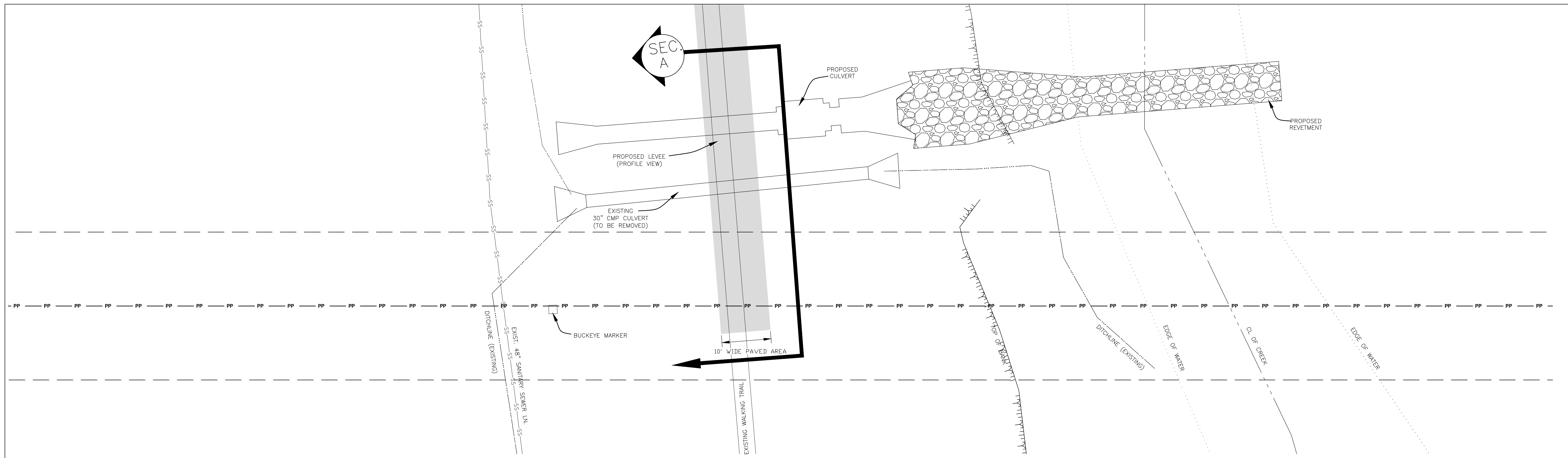
- NOTES:**
- EXISTING PIPELINE IN PROFILE IS SHOWN AT AN ASSUMED DEPTH OF 32" BASED ON CORRESPONDENCE WITH IOWA DOT UTILITY COORDINATOR.
 - THE PROFILE SHOWN REFLECTS STATION 6671+50 OF IOWA DOT'S PROFILE DRAWINGS - DRAWING IS PRELIMINARY AND MAY NOT REFLECT ACTUAL ELEVATIONS.
 - THE PRESENCE OF THE KINDER MORGAN LINE COULD NOT BE FIELD VERIFIED.
 - EXISTING 8" PL AND CASING TO BE CUT, CAPPED AND FILLED IN WITH GROUT.
 - EXISTING 8" PIPELINE TO BE REMOVED BY PIPELINE CONTRACTOR.
 - GROUT-FILLED 8" PIPE AND CASING TO BE REMOVED BY HIGHWAY CONSTRUCTION CONTRACTOR.

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	4			
	3	REVISED PER REVIEW	AMW	JAW
	2	REVISED PER NEW LOCATION PROVIDED	JAW	AL
	1	ISSUE FOR REVIEW	JAW	BAM

NO	LOC	DESCRIPTION OF REVISION	BY	DATE	
		WORK ORDER NO. 52048			
BUCKEYE PARTNERS, LP WILLBROS ENGINEERING					
I-29 PIPELINE RELOCATION ABANDONMENT PLAN COUNCIL BLUFFS, IA					
DRAWN:	JAW	SCALE:	1"=30'	DATE:	5/04/12
APPROVED:		CHECKED:		DRAWING NUMBER	52048-RPL-02
PAGE	2	DO NOT SCALE DRAWING		REV	3

WILLBROS ENGINEERING
 4400 POST OAK PARKWAY
 SUITE 1000
 HOUSTON, TX 77027
 TX-F-82



LEVEE PROFILE VIEW (SECTION A)
 HORZ: SCALE 1"=20'
 VERT: SCALE 1"=4'

PLAN VIEW LEGEND	
DITCHLINE (EXISTING)	---
CL OF CREEK	----
BUCKEYE ROW (EXISTING)	-----
BUCKEYE 8" CL (EXISTING)	-----
TOP OF BANK
EDGE OF WATER
EXISTING 48" SANITARY SEWER LINE	-----

PROFILE LEGEND	
EXISTING GRADE	---
PROPOSED GRADE	-----
BUCKEYE 8" CL (EXISTING)	-----

NOTES:
 1. THE PROFILE SHOWN WAS PROVIDED BY IOWA DOT FOR PROPOSED LEVEE 1064
 2. LOCATION OF BUCKEYE LINE PROVIDED BY IOWA DOT AND WAS LABELED "GRADE C" DATA - LOCATION WILL NEED TO BE FIELD VERIFIED.
 3. LOCATION OF EXISTING 8" # PL HAS BEEN PROVIDED BY BUCKEYE. ALL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AT THE TIME OF PREPARATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL BURIED UTILITIES & PIPELINES. WILLBROS WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO UTILITIES OR PIPELINES CAUSED BY THE CONTRACTOR DURING CONSTRUCTION.
 4. CONTRACTOR IS TO PROVIDE PROTECTION FOR EXISTING 8" # PL

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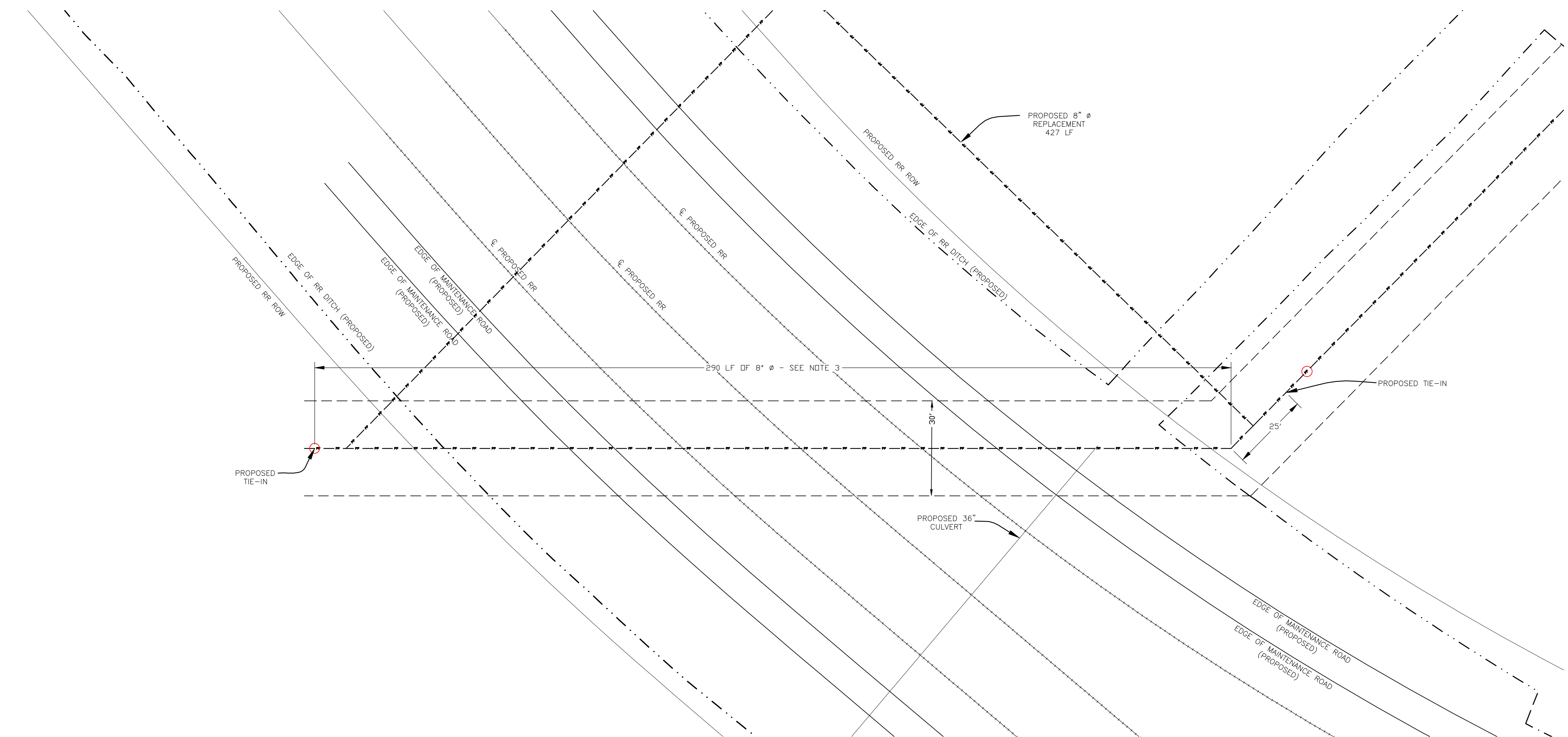
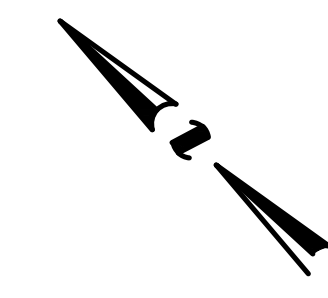
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NO	LOC	DESCRIPTION OF REVISION	BY DATE	APPR DATE
5				
4				
3				
2		REVISED PER REVIEW	JAW 10/17/12	JAW 10/29/12
1		ISSUE FOR REVIEW	JAW 09/28/12	BAM 10/10/12

WILLBROS ENGINEERING
 4400 POST OAK PARKWAY
 SUITE 1000
 HOUSTON, TX 77027
 TX-F-82

WORK ORDER NO. 52048
BUCKEYE PARTNERS, LP
 WILLBROS ENGINEERING
 PROPOSED LEVEE
 PLAN AND PROFILE
 COUNCIL BLUFFS, IA

PAGE	3	DO NOT SCALE DRAWING	DRAWN: JAW	SCALE: 1"=10'	DATE: 5/04/12	REV	2
APPROVED:		CHECKED:		DRAWING NUMBER	52048-RPL-03		



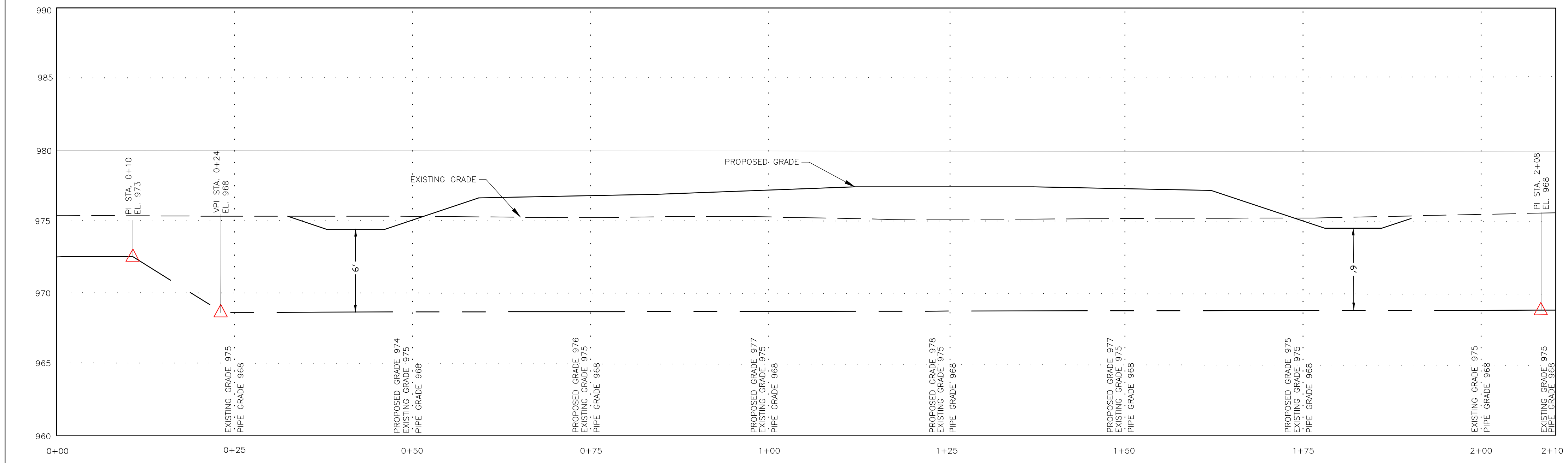
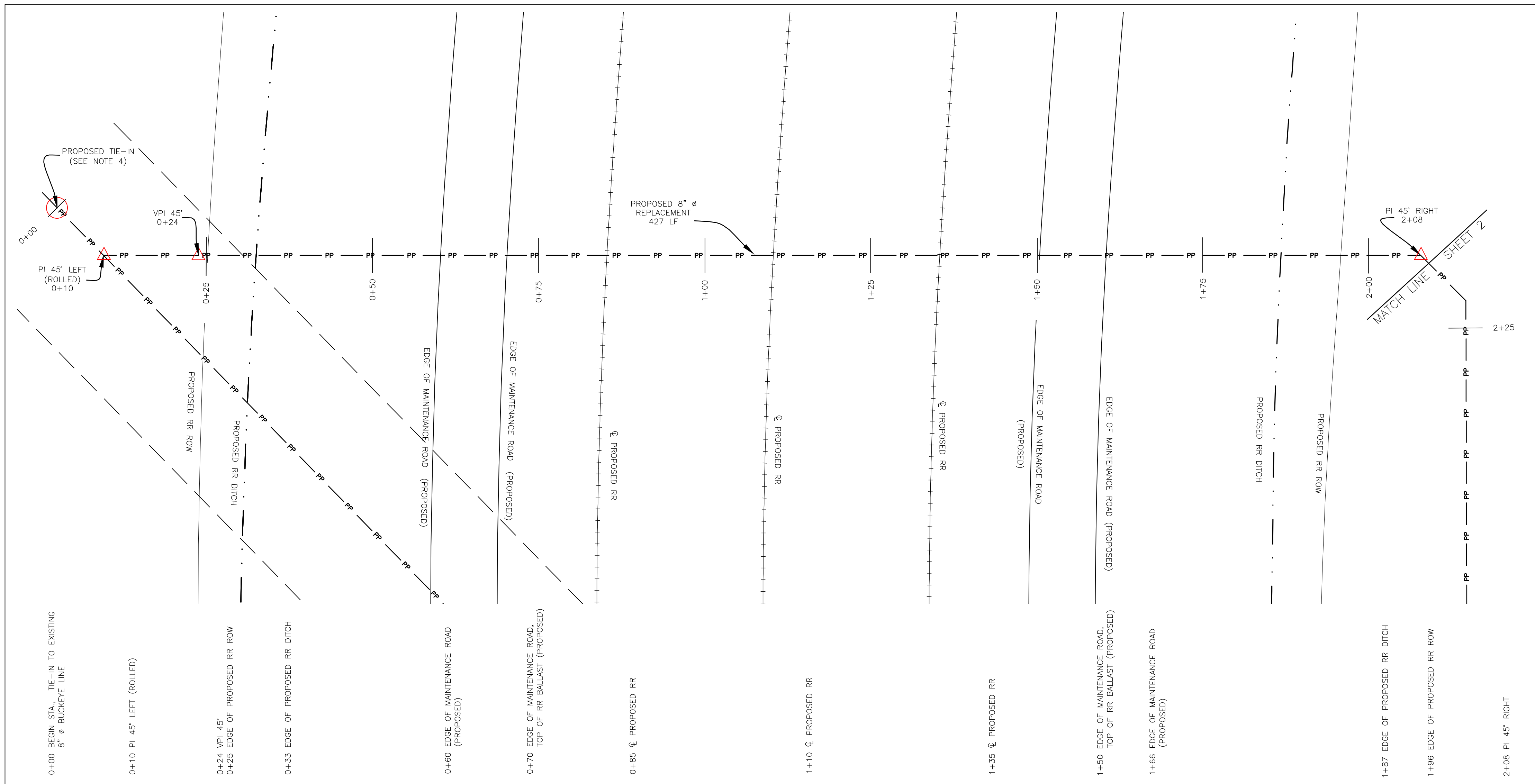
PLAN VIEW LEGEND	
EDGE OF EXISTING I -29 (PAVED SHOULDER)	---
EDGE OF PROPOSED I -29 (PAVED SHOULDER)	---
DITCHLINE (EXISTING)	---
FENCE (EXISTING)	-x-x-
BUCKEYE ROW (EXISTING)	---
BUCKEYE 8" CL (EXISTING)	---x---
PROPOSED BUCKEYE TWS	---
PROPOSED BUCKEYE 8" REPLACEMENT	---
EXISTING FIBER OPTIC LINE	---o---

PROFILE LEGEND	
EXISTING GRADE	---
PROPOSED GRADE	---
BUCKEYE 8" CL (EXISTING)	---
PROPOSED BUCKEYE 8" REPLACEMENT	---

NOTES:
 1. EXISTING PIPELINE IN PROFILE IS SHOWN AT AN ASSUMED DEPTH OF 28" AS PER CORRESPONDANCE W/ IDOT.
 2. THE PROFILE SHOWN REFLECTS ELEVATIONAL DATA FROM PROPOSED RR DRAWING "D.23", CROSS SECTION DATA WAS NOT RECEIVED AND DEPTHS/ELEVATIONS NEED TO BE VERIFIED.
 3. EXISTING 8" ϕ PIPELINE TO BE REMOVED.

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	4				
	3	ADDED RR ROW		AMW	JAW
	2	REVISED PER REVIEW		AMW	JAW
	1	ISSUE FOR REVIEW		JAW	BAM
			09/28/12	10/10/12	
	NO LOC	DESCRIPTION OF REVISION	BY DATE	APPR DATE	
		WORK ORDER NO. 52048			
		BUCKEYE PARTNERS, LP WILLBROS ENGINEERING			
		4400 POST OAK PARKWAY SUITE 1000 HOUSTON, TX 77027 TX-F-82			
		PROPOSED RAILROAD ABANDONMENT PLAN COUNCIL BLUFFS, IA			
		DRAWN: JAW	SCALE: 1"=20'	DATE: 09/28/12	
		APPROVED:	CHECKED:	DRAWING NUMBER: 52048-RPL-04	REV: 3
		DO NOT SCALE DRAWING			



PLAN VIEW LEGEND	
TOE OF PROPOSED RR BALLAST	----
TOP OF PROPOSED RR BALLAST	----
PROPOSED RR	-----
PROPOSED CULVERT	-----
BUCKEYE ROW (EXISTING)	-----
BUCKEYE 8" CL (EXISTING)	-----
PROPOSED BUCKEYE TWS	-----
PROPOSED BUCKEYE 8" REPLACEMENT	-----
EXISTING FOREIGN GAS LINE	-----

PROFILE LEGEND	
EXISTING GRADE	-----
PROPOSED GRADE	-----
BUCKEYE 8" CL (EXISTING)	-----
PROPOSED BUCKEYE 8" REPLACEMENT	-----

- NOTES:
1. THE PROFILE SHOWN REFLECTS STATION 223+00 OF THE PROPOSED CBEC MAIN TRACK DRAWINGS - DRAWING IS PRELIMINARY AND MAY NOT REFLECT ACTUAL ELEVATIONS.
 2. EXISTING 8" PIPELINE TO BE REMOVED.
 3. ALL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AT THE TIME OF PREPARATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL BURIED UTILITIES & PIPELINES. WILLBROS WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO UTILITIES OR PIPELINES CAUSED BY THE CONTRACTOR DURING CONSTRUCTION.
 4. INTERNAL TAPER BORE NEW PIPE TO TRANSITION TO EXIST PIPE (0.282" W.T.)

BILL OF MATERIAL			
NO.	UOM	UNITS	DESCRIPTION
1	LF	210	8.625" O.D., 0.500" W.T., API 5L X52, PSL 2, ERW, DRL, PEB for welding, coated w/14-16 mils of FBE and 40 mils of POWERCRETE
2	EACH	2	8", 45', 3R WELD ELLS, 0.500" W.T., GRADE Y52, BW, BARE
3	EACH	1	8", 45', 3R, ROLLED, WELD ELLS, 0.500" W.T., GRADE Y52, BW, BARE

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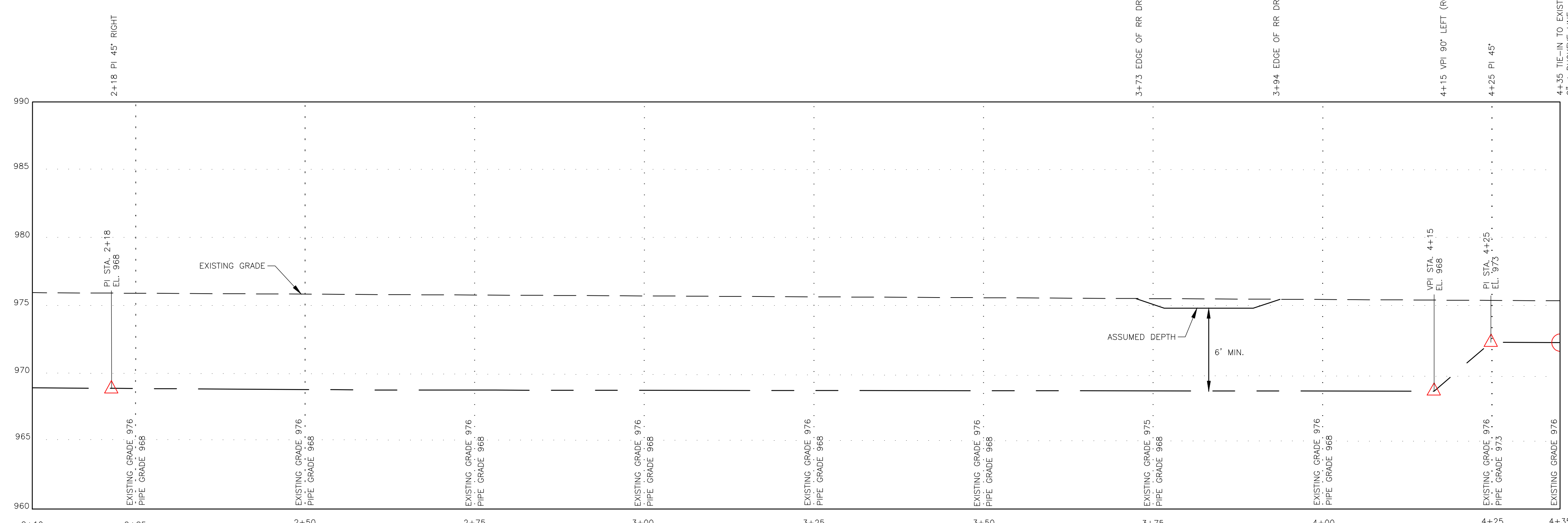
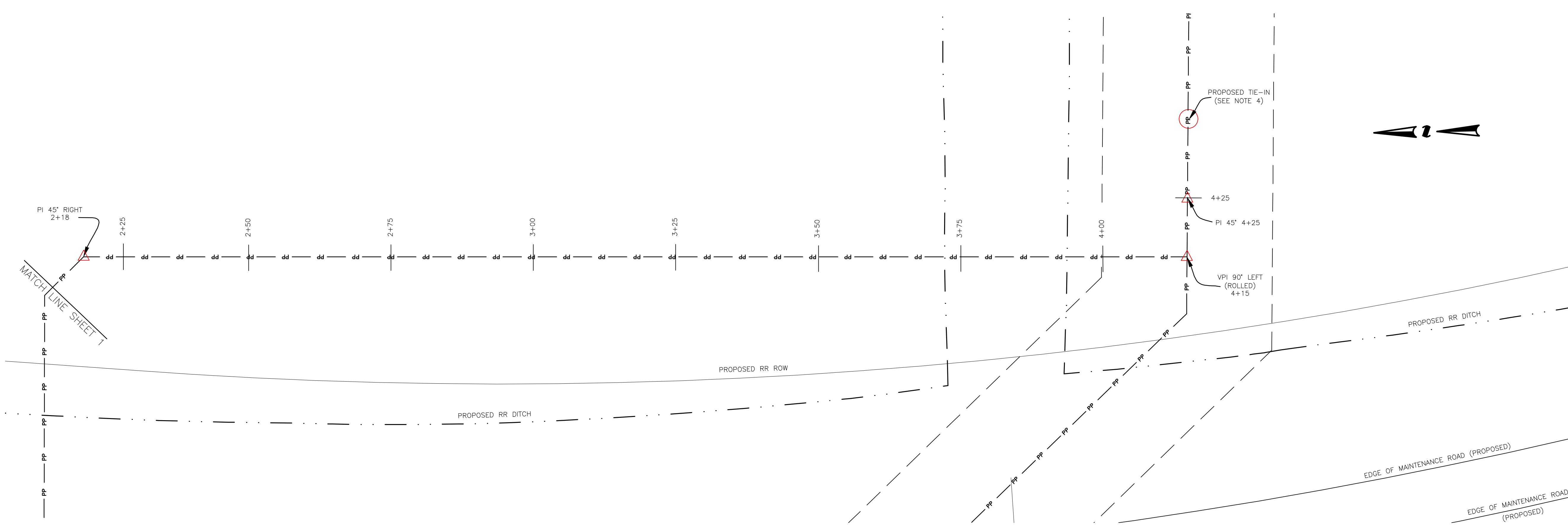
NO	LOC	DESCRIPTION OF REVISION	BY DATE	APPR DATE
5				
4				
3		ADDED RR ROW	AMW 01/28/13	JAW 01/28/13
2		REVISED PER REVIEW	AMW 12/31/12	JAW 01/02/13
1		ISSUE FOR REVIEW	JAW 09/28/12	BAM 10/10/12

WILLBROS ENGINEERING
4400 POST OAK PARKWAY
SUITE 1000
HOUSTON, TX 77027
TX-F-82

BUCKEYE PARTNERS, LP
WILLBROS ENGINEERING
PROPOSED RAILROAD
PROPOSED REPLACEMENT PLAN (SHEET 1 OF 2)
COUNCIL BLUFFS, IA

PAGE 5	DO NOT SCALE DRAWING	APPROVED:	CHECKED:	DATE: 09/28/12	REV 3
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PROFILE VIEW
HORIZ: SCALE 1"=10'
VERT: SCALE 1"=5'



PLAN VIEW LEGEND	
TOE OF PROPOSED RR BALLAST	---
TOP OF PROPOSED RR BALLAST	----
PROPOSED RR	-----
PROPOSED CULVERT	-----
BUCKEYE ROW (EXISTING)	-----
BUCKEYE 8" CL (EXISTING)	-----
PROPOSED BUCKEYE TWS	-----
PROPOSED BUCKEYE 8" REPLACEMENT	-----
EXISTING FOREIGN GAS LINE	-----

PROFILE LEGEND	
EXISTING GRADE	-----
PROPOSED GRADE	-----
BUCKEYE 8" CL (EXISTING)	-----
PROPOSED BUCKEYE 8" REPLACEMENT	-----

NOTES:
 1. THE PROFILE SHOWN REFLECTS STATION 223+00 OF THE PROPOSED CBEC MAIN TRACK DRAWINGS - DRAWING IS PRELIMINARY AND MAY NOT REFLECT ACTUAL ELEVATIONS.
 2. EXISTING 8" Ø PIPELINE TO BE REMOVED.
 3. ALL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AT THE TIME OF PREPARATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL BURIED UTILITIES & PIPELINES. WILLBROS WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO UTILITIES OR PIPELINES CAUSED BY THE CONTRACTOR DURING CONSTRUCTION.
 4. INTERNAL TAPER BORE NEW PIPE TO TRANSITION TO EXIST PIPE (0.282" W.T.).

BILL OF MATERIAL			
NO.	UOM	UNITS	DESCRIPTION
1	LF	217	8.625" O.D., 0.500" W.T., API 5L X52, PSL 2, ERW, DRL, PEB for welding, coated w/14-16 mills of FBE
2	EACH	2	8", 45°, 3R, WELD ELLS, 0.500" W.T., GRADE Y52, BW, BARE
3	EACH	1	8", 90°, 3R, ROLLED, WELD ELLS 0.500" W.T., GRADE Y52, BW, BARE

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NO	LOC	DESCRIPTION OF REVISION	BY	DATE
5				
4				
3		ADDED RR ROW	AMW	JAW 01/28/13
2		REVISED PER REVIEW	AMW	JAW 12/31/12
1		ISSUE FOR REVIEW	JAW	BAM 09/28/12

WILLBROS ENGINEERING
 4400 POST OAK PARKWAY
 SUITE 1000
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 TX-F-82

BUCKEYE PARTNERS, LP
 WILLBROS ENGINEERING
 PROPOSED RAILROAD
 PROPOSED REPLACEMENT PLAN (SHEET 2 OF 2)
 COUNCIL BLUFFS, IA

PAGE	6	DO NOT SCALE DRAWING
DRAWN:	JAW	SCALE: 1"=10'
APPROVED:	JAW	CHECKED: JAW
DATE:	09/28/12	DRAWING NUMBER: 52048-RPL-06
REV	3	