

CURVE 1 DATA	
DETOUR	
P.I. STA.	2429+75.36
N	= 463225.2754
E	= 1574720.0149
R	= 1145.913'
Δ	= 125.498"
T	= 12'30"00"
L	= 249.999'
D	= 5'00"00"
V	= 45 MPH
S	= NO SUPER

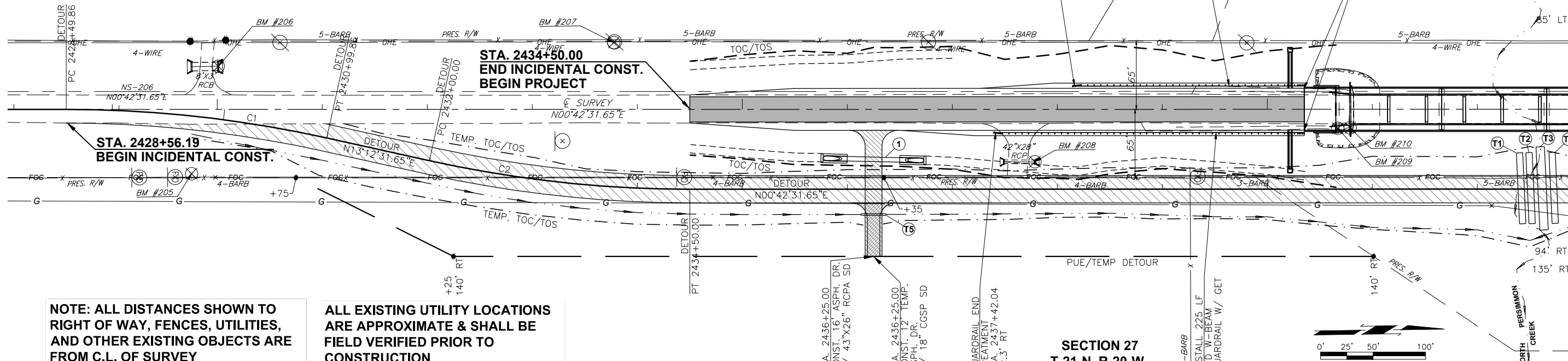
CURVE 2 DATA	
DETOUR	
P.I. STA.	2433+25.50
N	= 463567.1229
E	= 1574800.2499
R	= 1145.895'
Δ	= 125.496"
T	= 12'30"00"
L	= 249.995'
D	= 5'00"00"
V	= 45 MPH
S	= NO SUPER

**SECTION 28
T-21-N, R-20-W**

2435+00

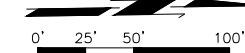
2440+00

STA. 2443+00

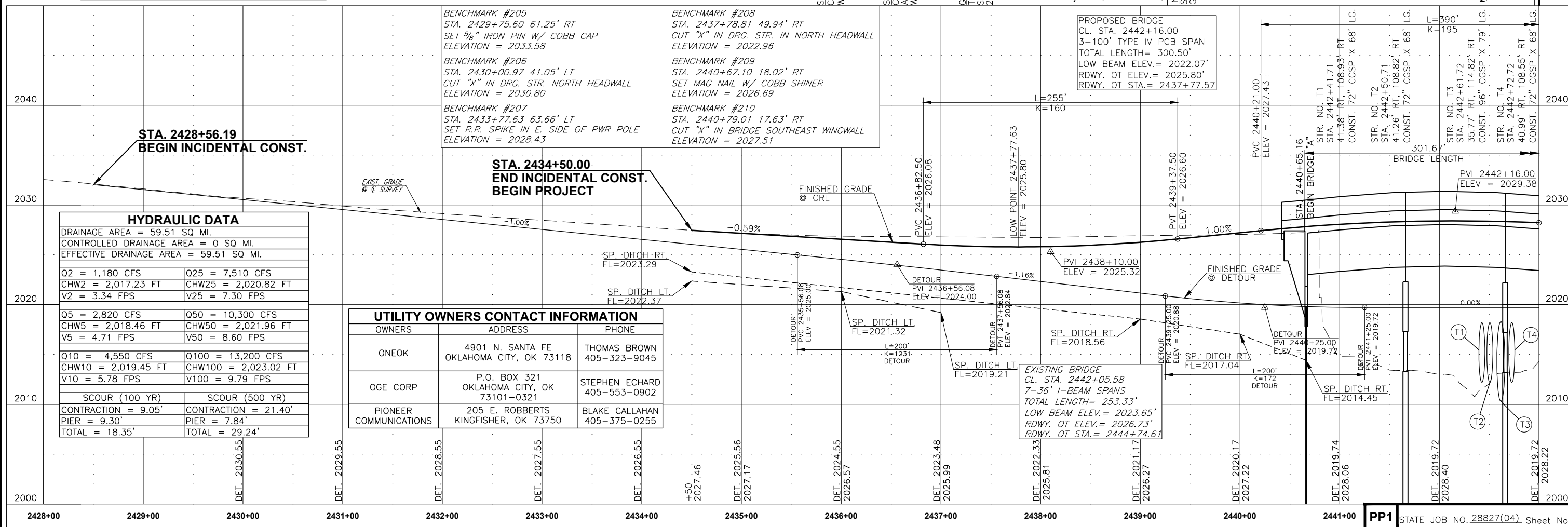


NOTE: ALL DISTANCES SHOWN TO RIGHT OF WAY, FENCES, UTILITIES, AND OTHER EXISTING OBJECTS ARE FROM C.L. OF SURVEY

ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE & SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION



**SECTION 27
T-21-N, R-20-W**



HYDRAULIC DATA	
DRAINAGE AREA = 59.51 SQ MI.	
CONTROLLED DRAINAGE AREA = 0 SQ MI.	
EFFECTIVE DRAINAGE AREA = 59.51 SQ MI.	
Q2 = 1,180 CFS	Q25 = 7,510 CFS
CHW2 = 2,017.23 FT	CHW25 = 2,020.82 FT
V2 = 3.34 FPS	V25 = 7.30 FPS
Q5 = 2,820 CFS	Q50 = 10,300 CFS
CHW5 = 2,018.46 FT	CHW50 = 2,021.96 FT
V5 = 4.71 FPS	V50 = 8.60 FPS
Q10 = 4,550 CFS	Q100 = 13,200 CFS
CHW10 = 2,019.45 FT	CHW100 = 2,023.02 FT
V10 = 5.78 FPS	V100 = 9.79 FPS
SCOUR (100 YR)	SCOUR (500 YR)
CONTRACTION = 9.05'	CONTRACTION = 21.40'
PIER = 9.30'	PIER = 7.84'
TOTAL = 18.35'	TOTAL = 29.24'

UTILITY OWNERS CONTACT INFORMATION		
OWNERS	ADDRESS	PHONE
ONEOK	4901 N. SANTA FE OKLAHOMA CITY, OK 73118	THOMAS BROWN 405-323-9045
OGE CORP	P.O. BOX 321 OKLAHOMA CITY, OK 73101-0321	STEPHEN ECHARD 405-553-0902
PIONEER COMMUNICATIONS	205 E. ROBERTS KINGFISHER, OK 73750	BLAKE CALLAHAN 405-375-0255

PROPOSED BRIDGE
CL. STA. 2442+16.00
3-100' TYPE IV PCB SPAN
TOTAL LENGTH= 300.50'
LOW BEAM ELEV.= 2022.07'
RDWY. OT ELEV.= 2025.80'
RDWY. OT STA.= 2437+77.57

EXISTING BRIDGE
CL. STA. 2442+05.58
7-36' I-BEAM SPANS
TOTAL LENGTH= 253.33'
LOW BEAM ELEV.= 2023.65'
RDWY. OT ELEV.= 2026.73'
RDWY. OT STA.= 2444+74.61