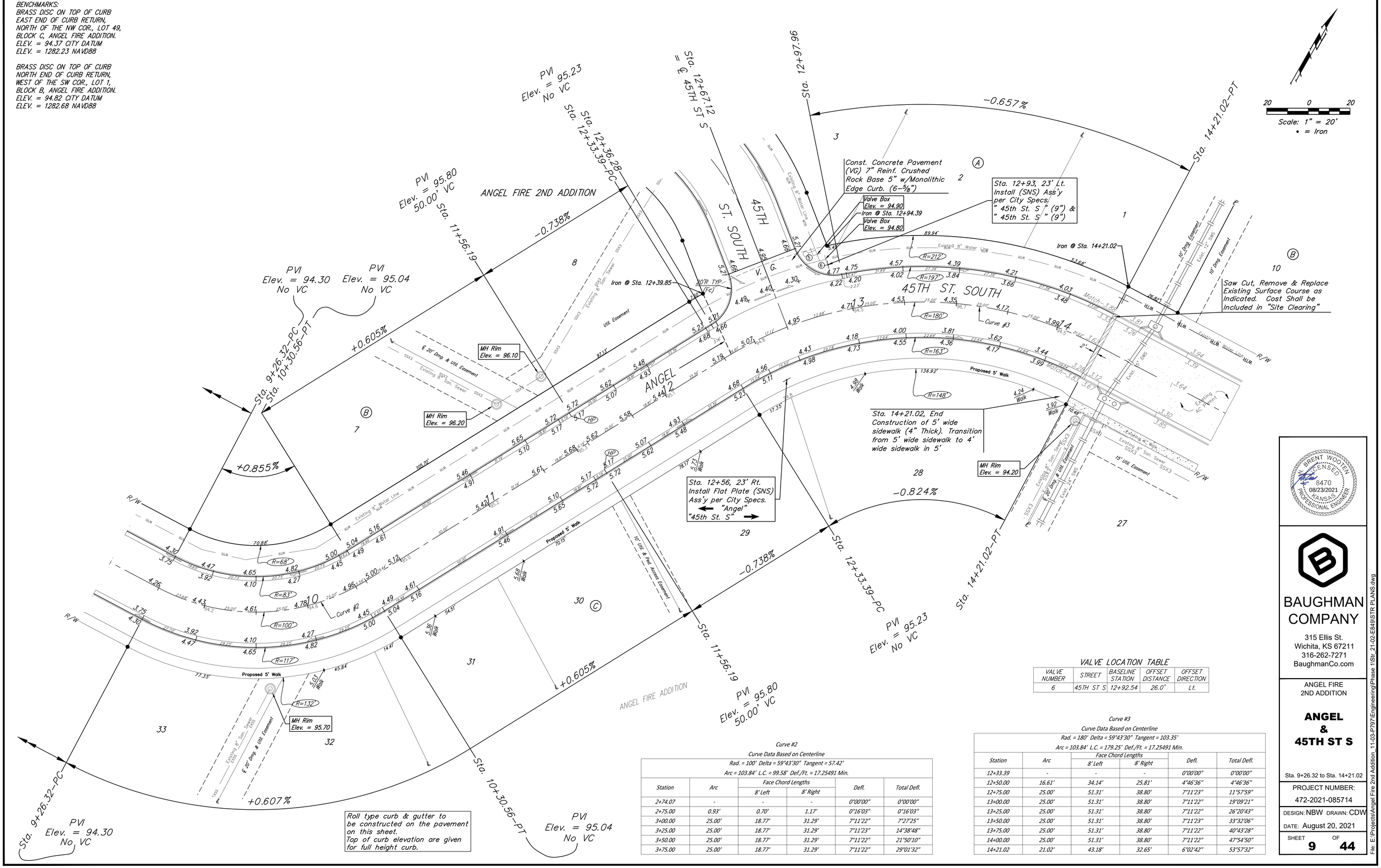
BENCHMARKS:
BRASS DISC ON TOP OF CURB
EAST END OF CURB RETURN,
NORTH OF THE NW COR., LOT 49,
BLOCK C, ANGEL FIRE ADDITION.
ELEV. = 94.37 CITY DATUM
ELEV. = 1282.23 NAVD88

BRASS DISC ON TOP OF CURB
NORTH END OF CURB RETURN,
WEST OF THE SW COR., LOT 1,
BLOCK B, ANGEL FIRE ADDITION.
ELEV. = 94.82 CITY DATUM
ELEV. = 1282.68 NAVD88



Roll type curb & gutter to be constructed on the pavement on this sheet. Top of curb elevation are given for full height curb.

VALVE LOCATION TABLE

VALVE NUMBER	STREET	BASELINE STATION	OFFSET DISTANCE	OFFSET DIRECTION
6	45TH ST S	12+92.54	26.0'	Lt.

Curve #2
Curve Data Based on Centerline
Rad. = 100' Delta = 59°43'30" Tangent = 57.42'
Arc = 103.84' L.C. = 99.58' Def./Ft. = 17.25491 Min.

Station	Arc	Face Chord Lengths 8' Left	Face Chord Lengths 8' Right	Defl.	Total Defl.
2+74.07	-	-	-	0°00'00"	0°00'00"
2+75.00	0.93'	0.70'	1.17'	0°16'03"	0°16'03"
3+00.00	25.00'	18.77'	31.29'	7°11'22"	7°27'25"
3+25.00	25.00'	18.77'	31.29'	7°11'23"	14°38'48"
3+50.00	25.00'	18.77'	31.29'	7°11'22"	21°50'10"
3+75.00	25.00'	18.77'	31.29'	7°11'22"	29°01'32"

Curve #3
Curve Data Based on Centerline
Rad. = 180' Delta = 59°43'30" Tangent = 103.35'
Arc = 103.84' L.C. = 179.25' Def./Ft. = 17.25491 Min.

Station	Arc	Face Chord Lengths 8' Left	Face Chord Lengths 8' Right	Defl.	Total Defl.
12+33.39	-	-	-	0°00'00"	0°00'00"
12+50.00	16.61'	34.14'	25.81'	4°46'36"	4°46'36"
12+75.00	25.00'	51.31'	38.80'	7°11'23"	11°57'59"
13+00.00	25.00'	51.31'	38.80'	7°11'22"	19°09'21"
13+25.00	25.00'	51.31'	38.80'	7°11'22"	26°20'43"
13+50.00	25.00'	51.31'	38.80'	7°11'23"	33°32'06"
13+75.00	25.00'	51.31'	38.80'	7°11'22"	40°43'28"
14+00.00	25.00'	51.31'	38.80'	7°11'22"	47°54'50"
14+21.02	21.02'	43.18'	32.65'	6°02'42"	53°57'32"

BRENT WOOTEN LICENSED 8470 08/23/2021 KANSAS PROFESSIONAL ENGINEER

BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

ANGEL FIRE
2ND ADDITION

ANGEL & 45TH ST S

Sta. 9+26.32 to Sta. 14+21.02

PROJECT NUMBER:
472-2021-085714

DESIGN: NBW DRAWN: CDW

DATE: August 20, 2021

SHEET 9 OF 44

File: E:\Projects\Angel Fire 2nd Addition_11-03-P797\Engineering\Phase 1\Str. 21-02-E849\STR PLANS.dwg