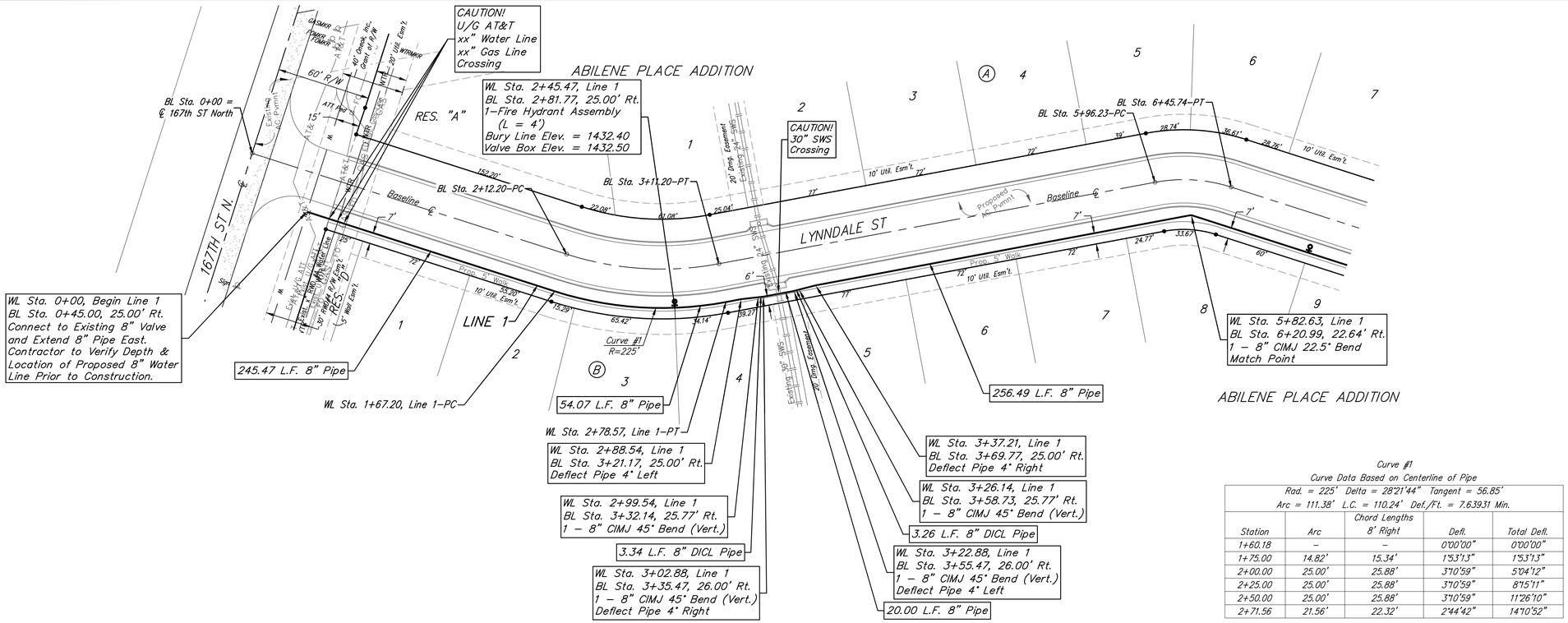
BENCHMARK #1:
Chiseled plus cut inside chiseled square, SE Cor. of catch basin on S. side of Apollo St., 32.5' W. to line of back of east curb of drive north, 11' E. to line of end of curb north, 103.2' ENE. of deflection cor., N. Line. Lot 9, Block A, Abilene Place Add. Elev. = 1432.98 NAVD88

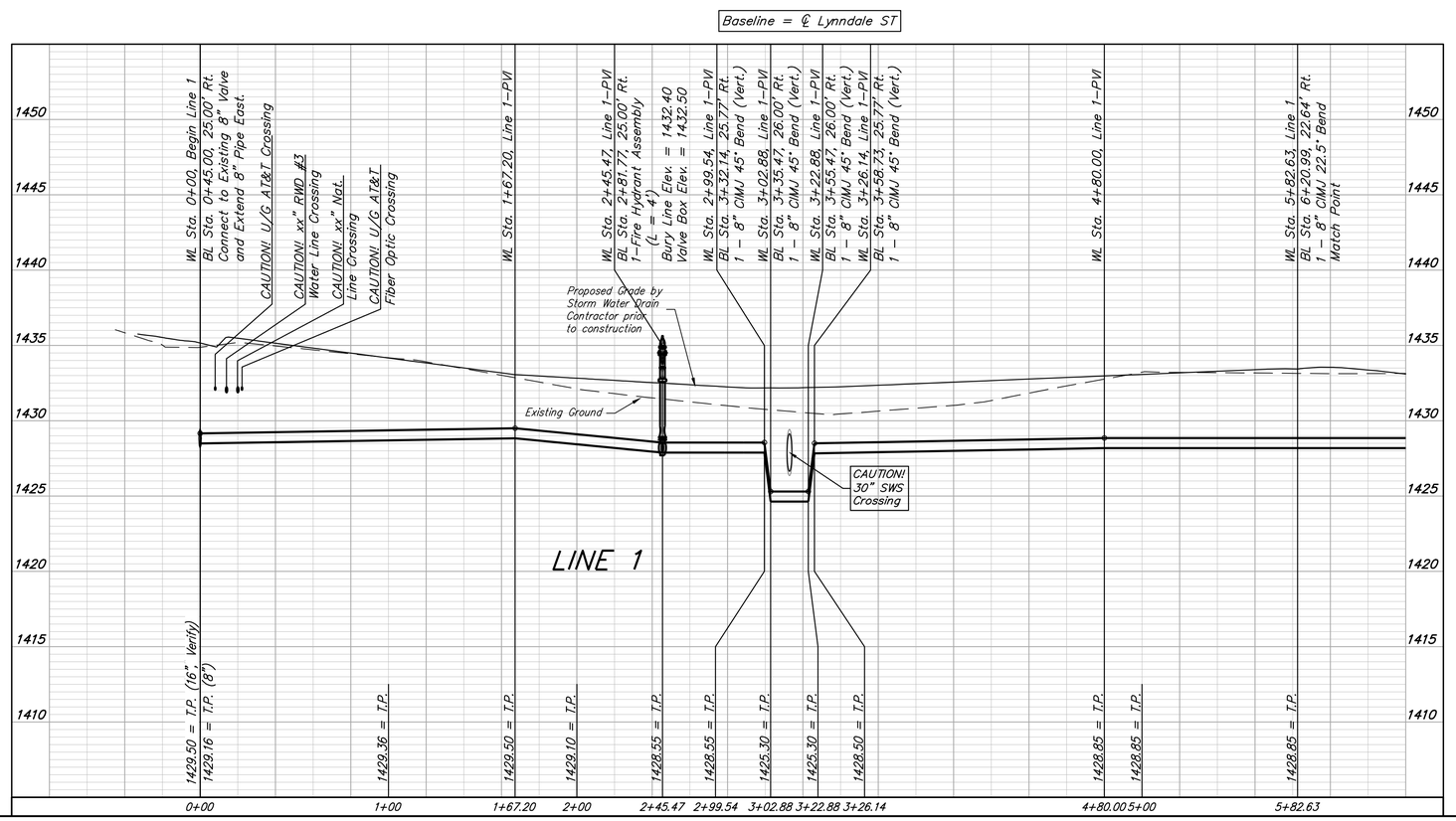
BENCHMARK #2:
Chiseled plus cut inside chiseled square, top of curb, most southerly SW Cor. of parking lot, 17.6' S. to back of N. curb of Apollo St., 34.7' WSW to centerline of light pole base, 114.3' E. & 143.5' N. of NW. Cor., Reserve "A", Abilene Place Add. Elev. = 1435.32 NAVD88



0 40 80
Scale: 1" = 40' Horizontal
1" = 5' Vertical
• = Iron
0 5

Curve #1
Curve Data Based on Centerline of Pipe
Rad. = 225' Delta = 28°21'44" Tangent = 56.85'
Arc = 111.38' L.C. = 110.24' Def./Ft. = 7.639.31 Min.

Station	Arc	Chord Lengths 8' Right	Defl.	Total Defl.
1+60.18	–	–	0°00'00"	0°00'00"
1+75.00	14.82'	15.34'	1°53'13"	1°53'13"
2+00.00	25.00'	25.88'	3°10'59"	5°04'12"
2+25.00	25.00'	25.88'	3°10'59"	8°15'11"
2+50.00	25.00'	25.88'	3°10'59"	11°26'10"
2+71.56	21.56'	22.32'	2°44'42"	14°10'52"



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DENISE M. VALERIO 15176 07/18/2022 KANSAS PROFESSIONAL ENGINEER

ABILENE PLACE ADDTION PHASE I

LINE 1

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER: 448-2021-016516

DESIGN: DMV DRAWN: JAK

DATE: June 23, 2022

SHEET 4 OF 16

File: E:\Projects\Abilene Place Addition_20-03-P540\Engineering\Phase 1\WTR_21-03-E876\WTR_21-03-E876.dwg