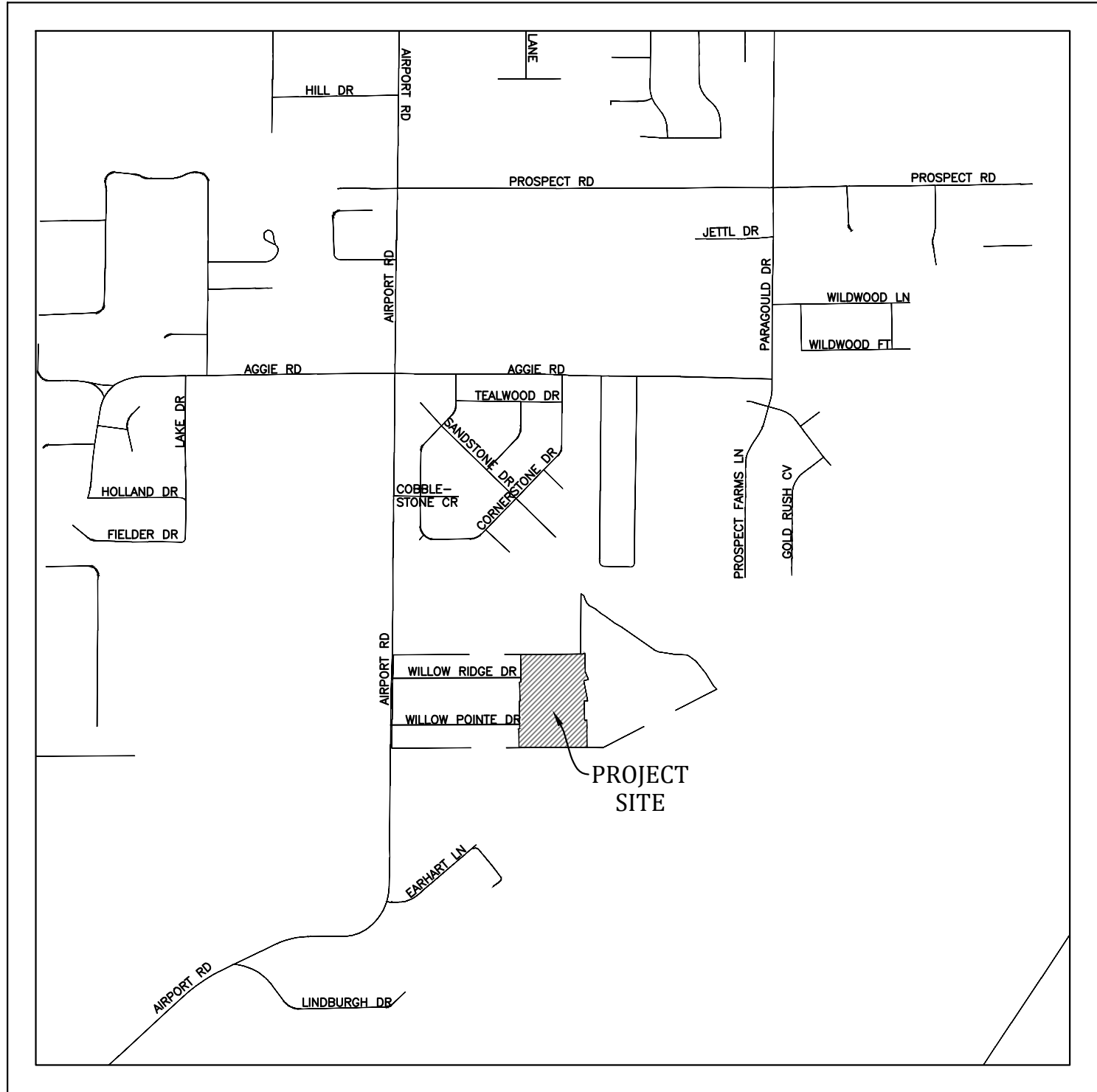


WILLOW POINTE

WILLOW POINTE PHASE III -PRELIMINARY APPROVAL JONESBORO, CRAIGHEAD COUNTY, ARKANSAS

LOCAL CONTACTS

CITY OF JONESBORO ENGINEERING DEPT.	870-932-2438
CITY OF JONESBORO PLANNING AND ZONING	870-932-0406
CITY, WATER, & LIGHT	870-935-5581
AT&T	1-800-464-7928
RITTER COMMUNICATIONS	870-336-3400
SUDDENLINK COMMUNICATIONS	870-935-3615
CENTER POINT ENERGY	870-972-6682



VICINITY MAP
(SCALE: 1"= 1000')

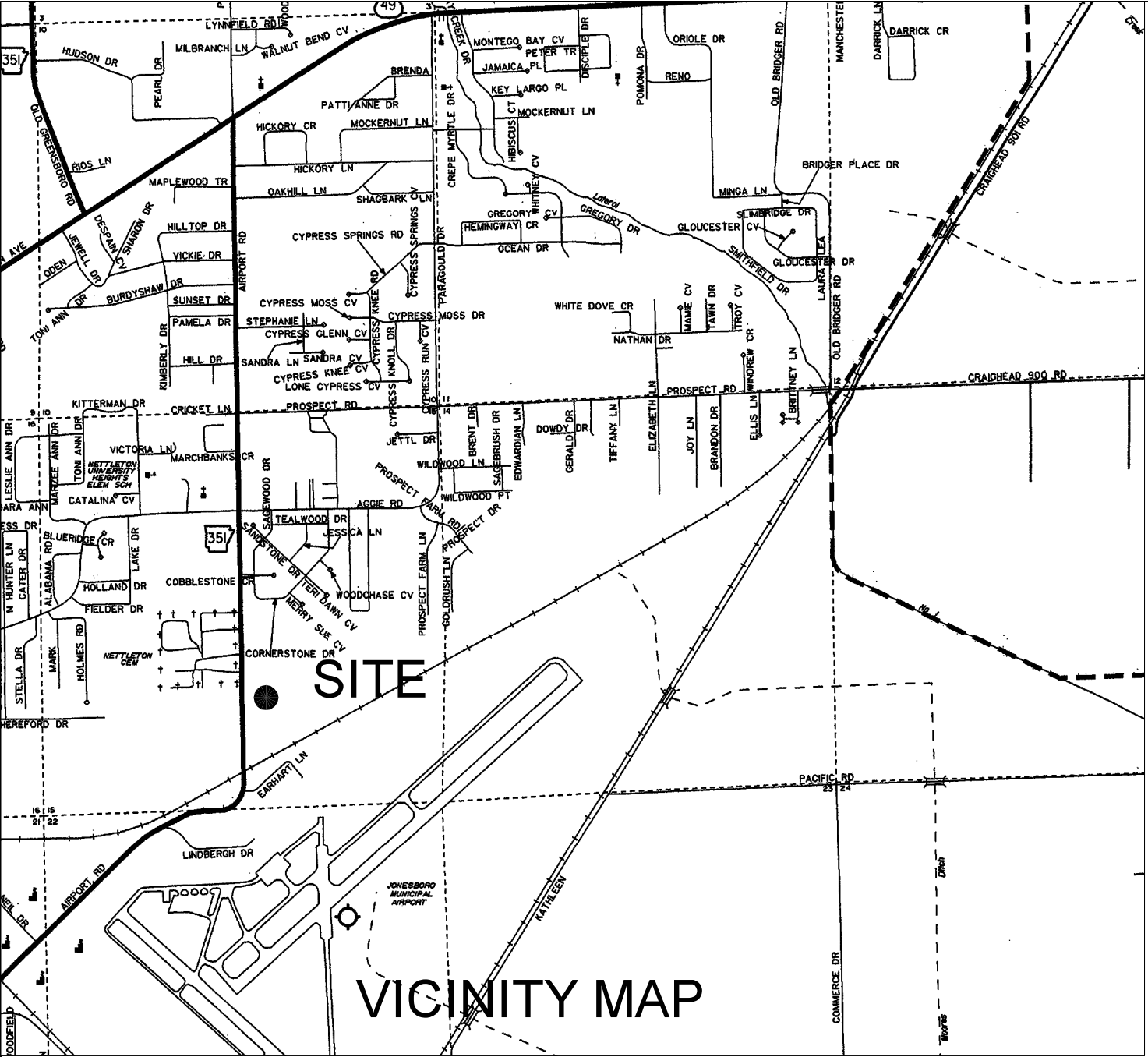
NAD83 Arkansas State Planes, North Zone, US Foot

INDEX OF SHEETS	
PAGE	DESCRIPTION
1	COVER PAGE
2	PLAT
3	OVERALL LAYOUT
4	OVERALL UTILITY
5	STREET PLAN & PROFILE
6	STREET PLAN & PROFILE
7	WATER DETAILS
8	STREET DETAILS

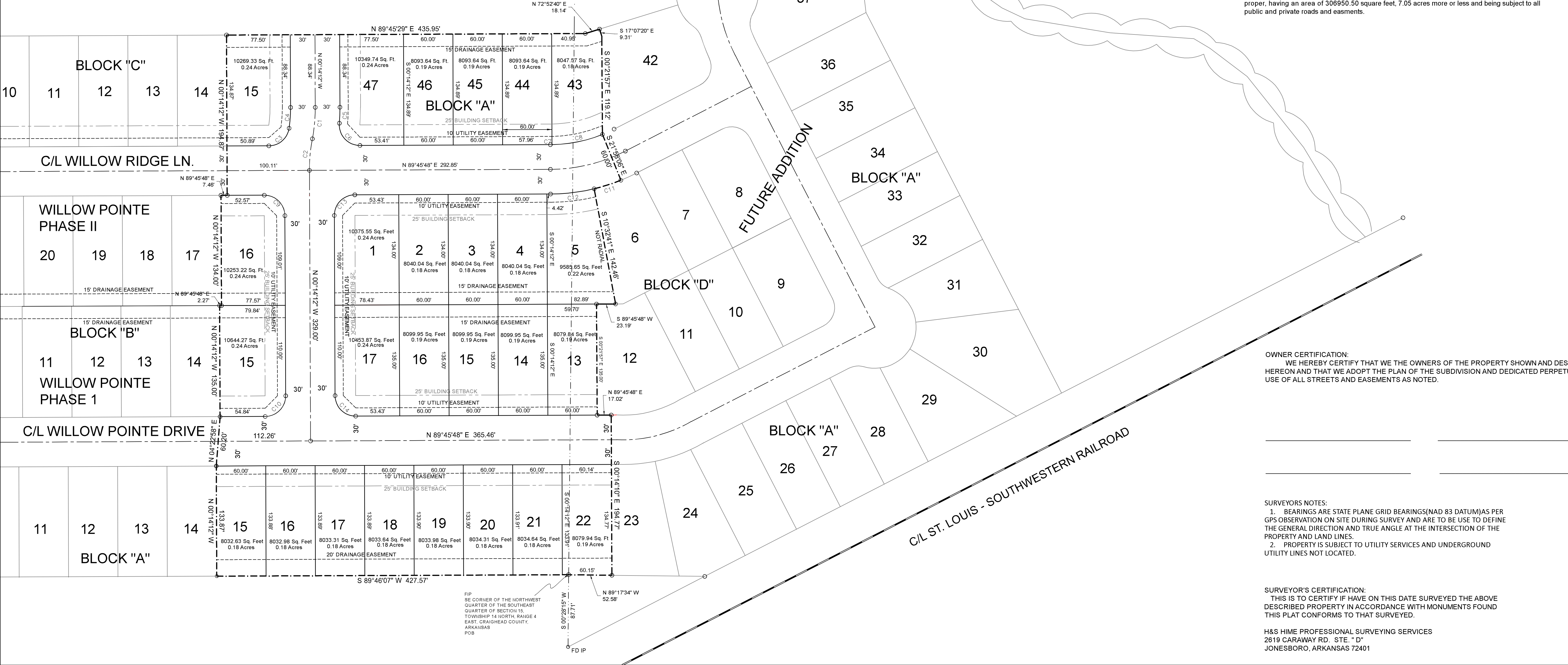


REVISIONS		
DATE	BY	DESCRIPTION

DRAWING INFO.	
DRAWN BY:	GMD
DATE:	4/1/20118
SCALE:	1"=77'



CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	38.51'	200.00'	11°01'53"	N 05°16'45" E	38.45'
C2	38.51'	200.00'	11°01'53"	N 05°16'44" E	38.45'
C3	35.54'	25.00'	81°27'22"	N 49°02'04" E	32.62'
C4	25.35'	170.00'	8°32'35"	N 04°02'05" E	25.32'
C5	19.45'	230.00'	4°50'43"	S 02°11'10" W	19.44'
C6	41.38'	25.00'	84°50'44"	S 42°48'50" E	36.82'
C7	2.00'	171.00'	0°40'12"	N 89°25'42" E	2.00'
C8	62.86'	171.00'	21°03'42"	N 78°33'44" E	62.51'
C9	39.27'	25.00'	90°00'03"	N 45°14'14" W	35.36'
C10	39.27'	25.00'	90°00'03"	N 44°45'48" E	35.36'
C11	34.16'	231.00'	8°28'26"	S 72°16'06" W	34.13'
C12	53.45'	231.00'	13°15'29"	S 83°08'03" W	53.33'
C13	39.27'	25.00'	90°00'00"	N 44°45'48" E	35.36'
C14	39.27'	25.00'	90°00'00"	N 45°14'12" W	35.36'



PRELIMINARY PLAT NOT FOR RECORD

H&S HIME PROFESSIONAL SURVEYING SERVICES

PHONE: 870-972-1288
EMAIL: hshime_butch@yahoo.com

2619 SO. CARAWAY RD. SUITE "D"
JONESBORO, ARKANSAS 72401

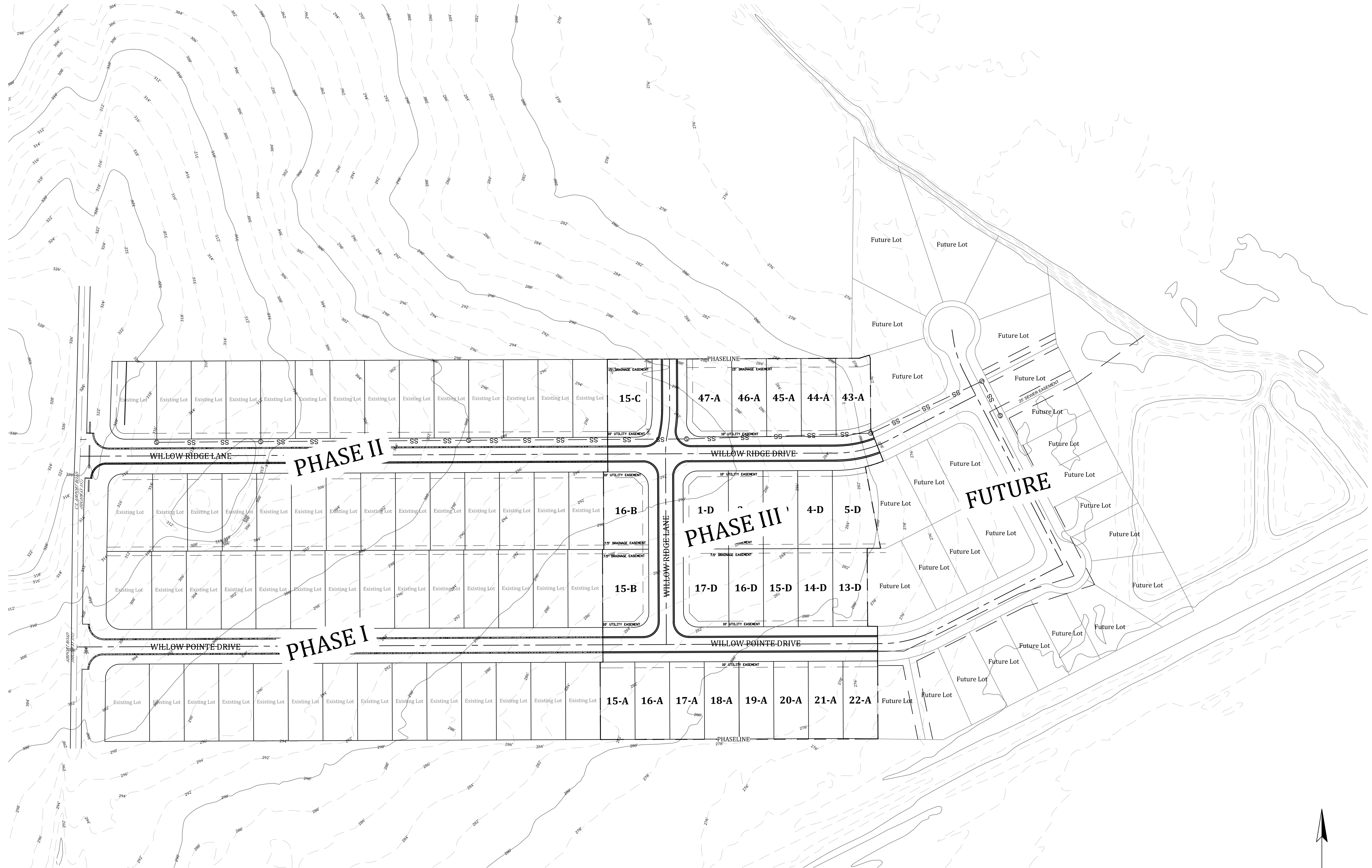
WILLOW POINTE SUBDIVISION
PHASE 3
JONESBORO, ARKANSAS

DATE: 4-11-2018
REV:

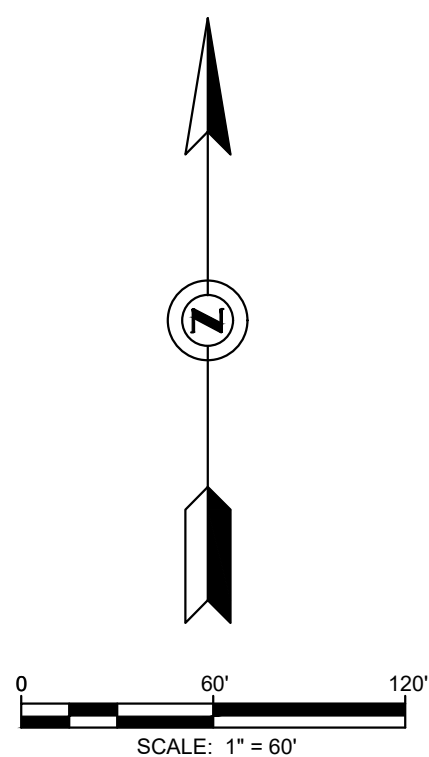
DRAWN BY: H.HIME

HERBERT C. HIME

PLS # 1142



ARKANSAS ONE-CALL SYSTEM, INC.
1-800-482-8998 OR 811



WILLOW POINTE PHASE III

KEY MAP

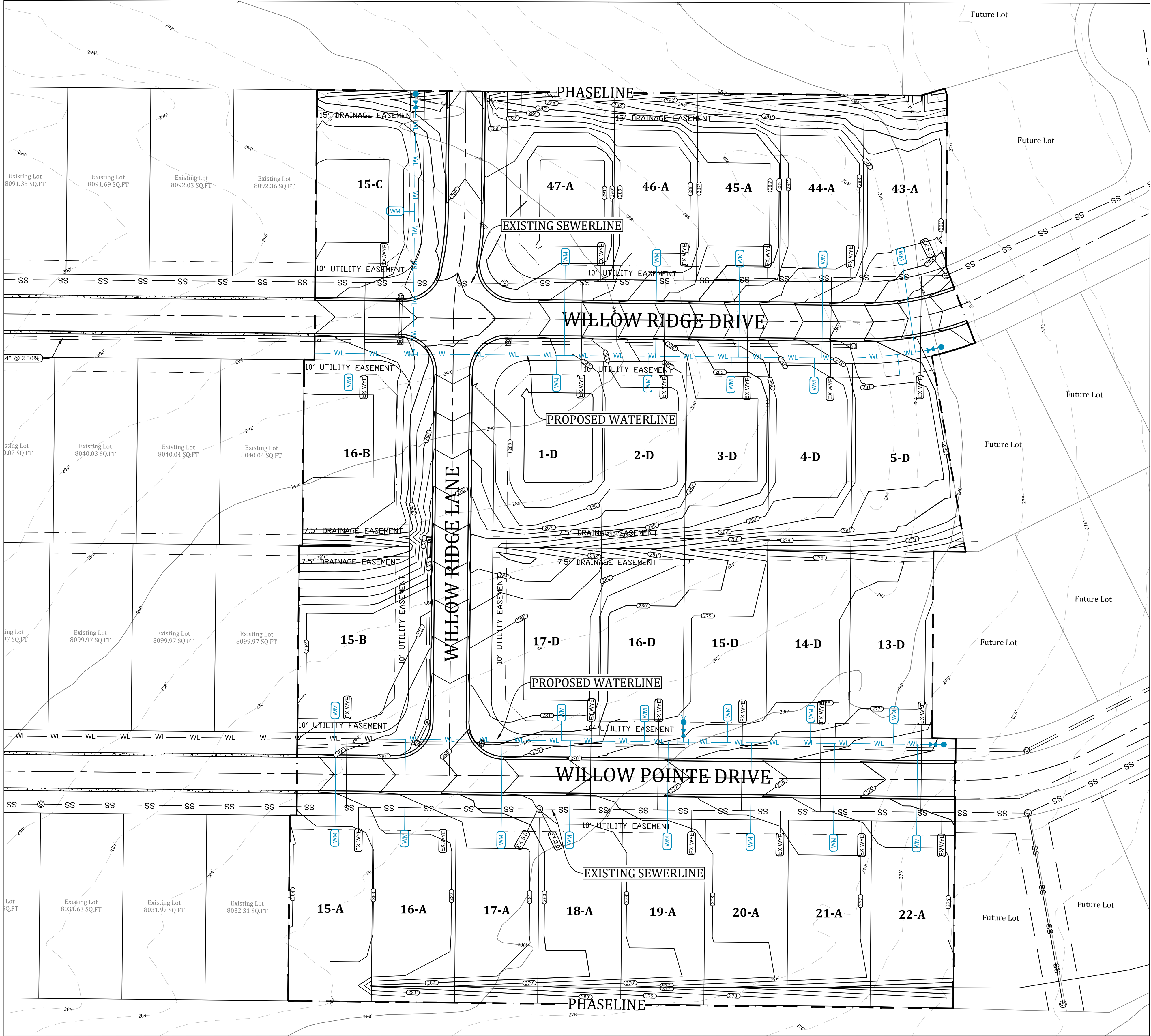


REVISIONS		
DATE	BY	DESCRIPTION

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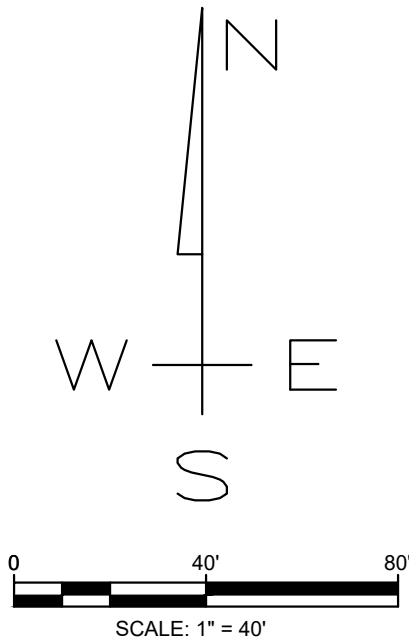
SHEET NUMBER:
OV-1

MARK MORRIS
P.E.
3221 SHELBY DRIVE
JONESBORO, AR 72404
PH: 1-870-919-7700
MARK.B.MORRIS@YAHOO.COM



LEGEND

- CURB
- SS — SS — SANITARY SEWER
- WL — WL — WATER LINE
- ⊙ SEWER MANHOLE
- ⊙ STORM DRAIN INLET
- — — STORM DRAIN PIPE
- WM WATER METER
- WYE PROPOSED SEWER WYE
- S.O. PROPOSED SEWER STUB- OUT
- ⊕ FIRE HYDRANT
- ⊕ BLOW-OFF ASSEMBLY
- ⊕ GATE VALVE



ARKANSAS ONE-CALL SYSTEM, INC.
1-800-482-6998 OR 611

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WILLOW POINTE PHASE III

OVERALL UTILITY

REVISIONS

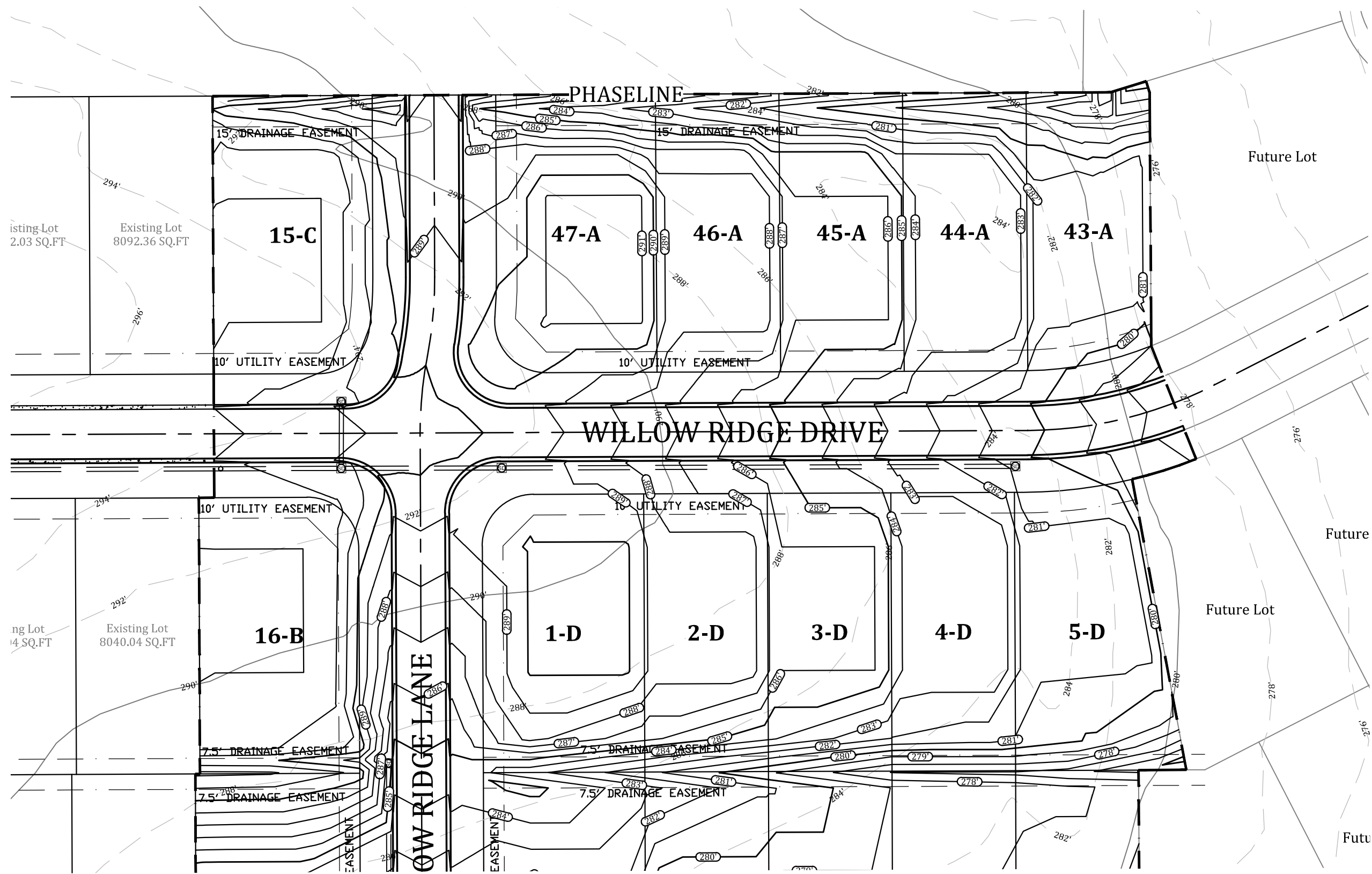
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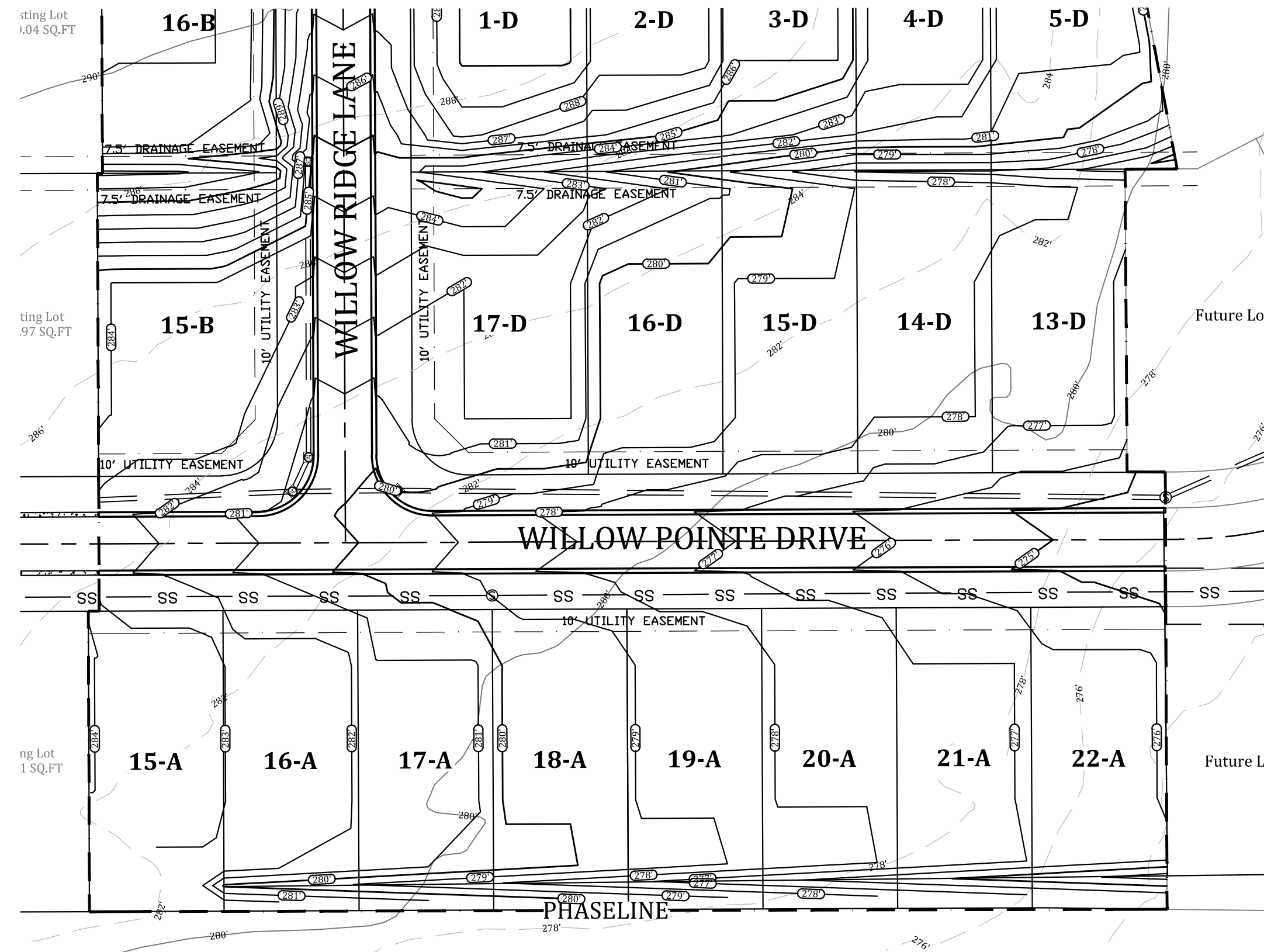
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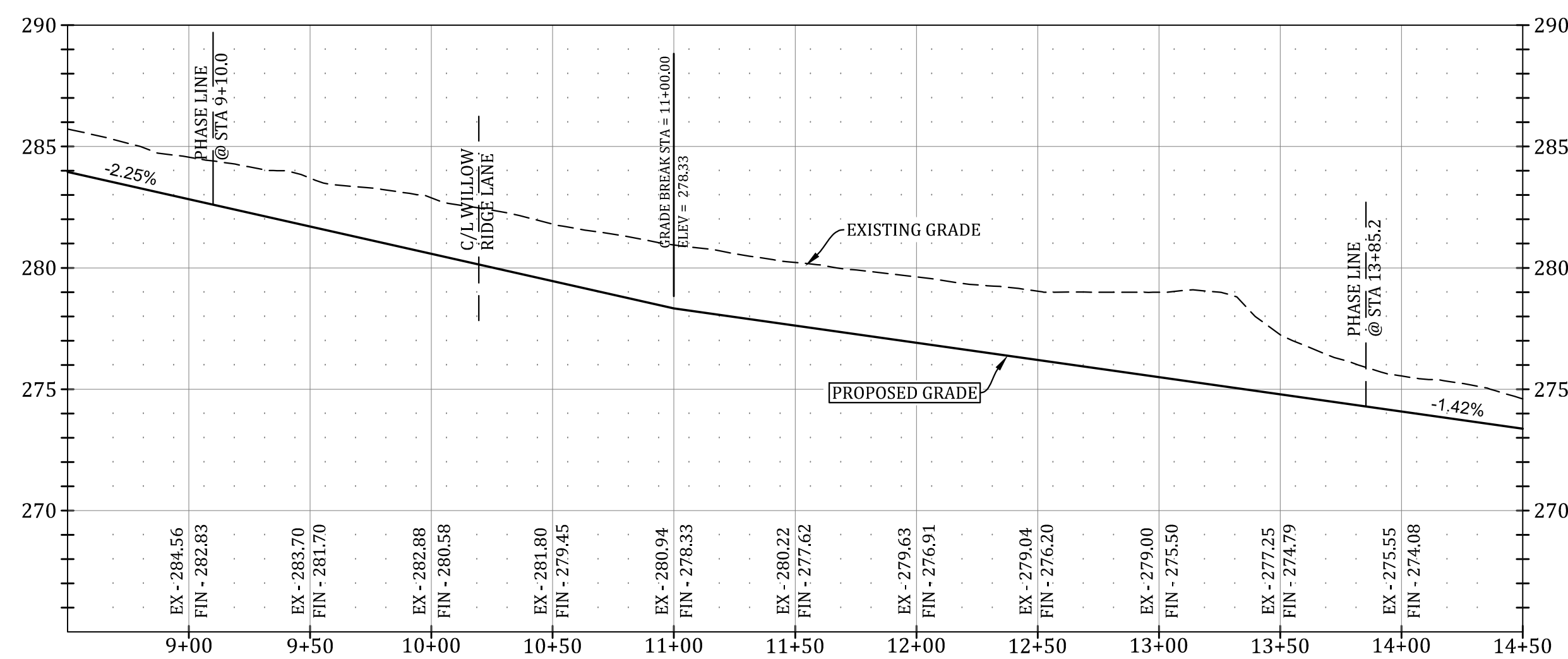
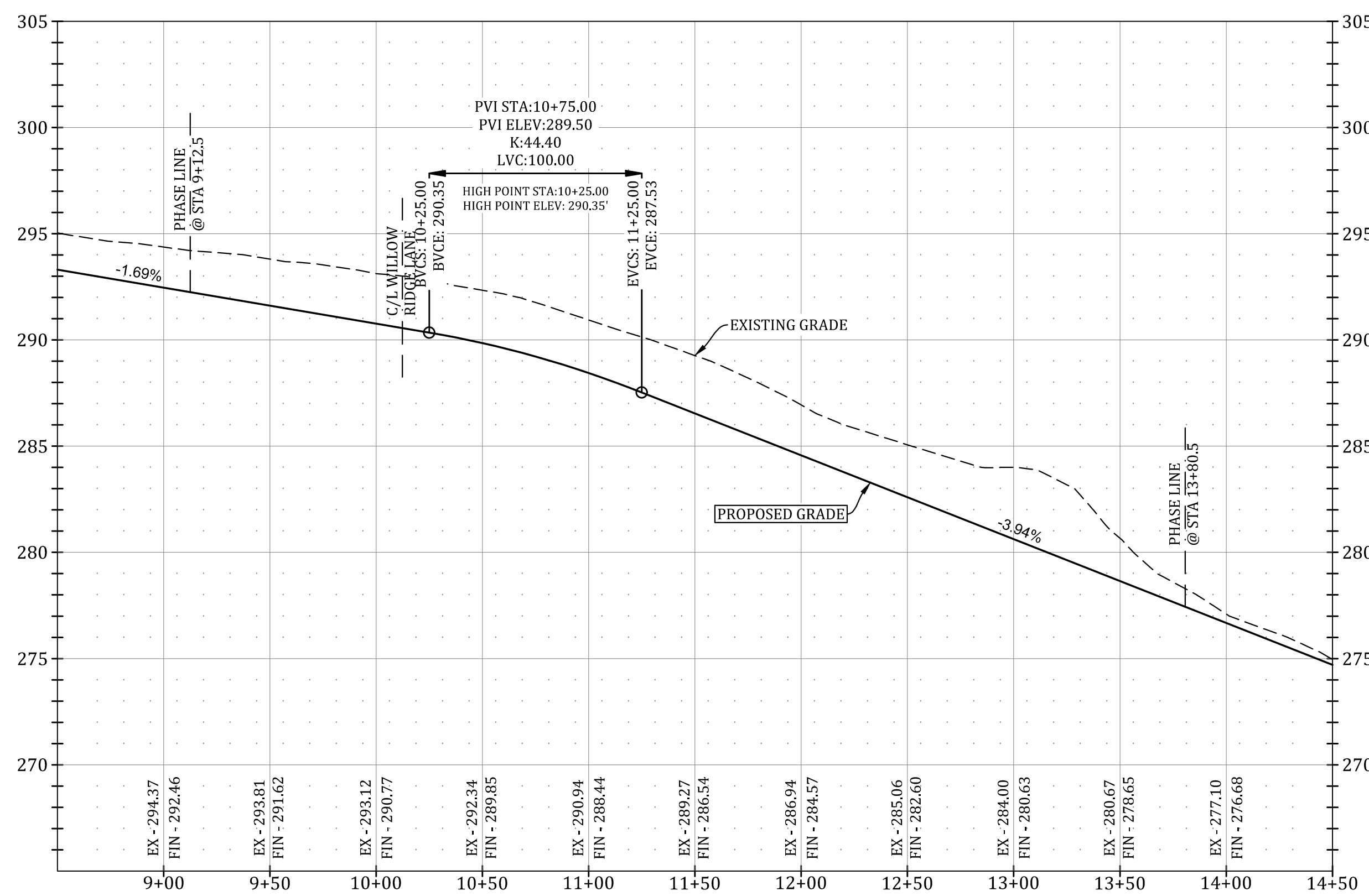
OV-2



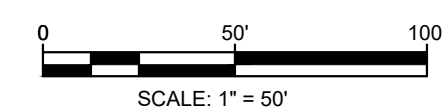
WILLOW RIDGE DRIVE



WILLOW POINTE DRIVE



VERTICAL SCALE 1:10
HORIZONTAL SCALE 1:50



WILLOW POINTE PHASE III

STREET PLAN & PROFILE

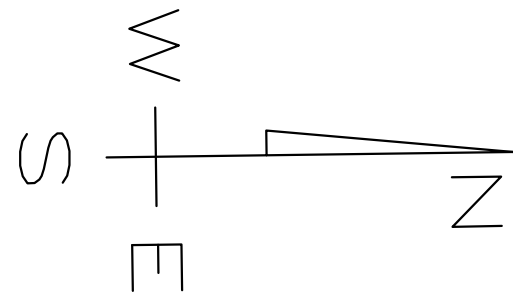
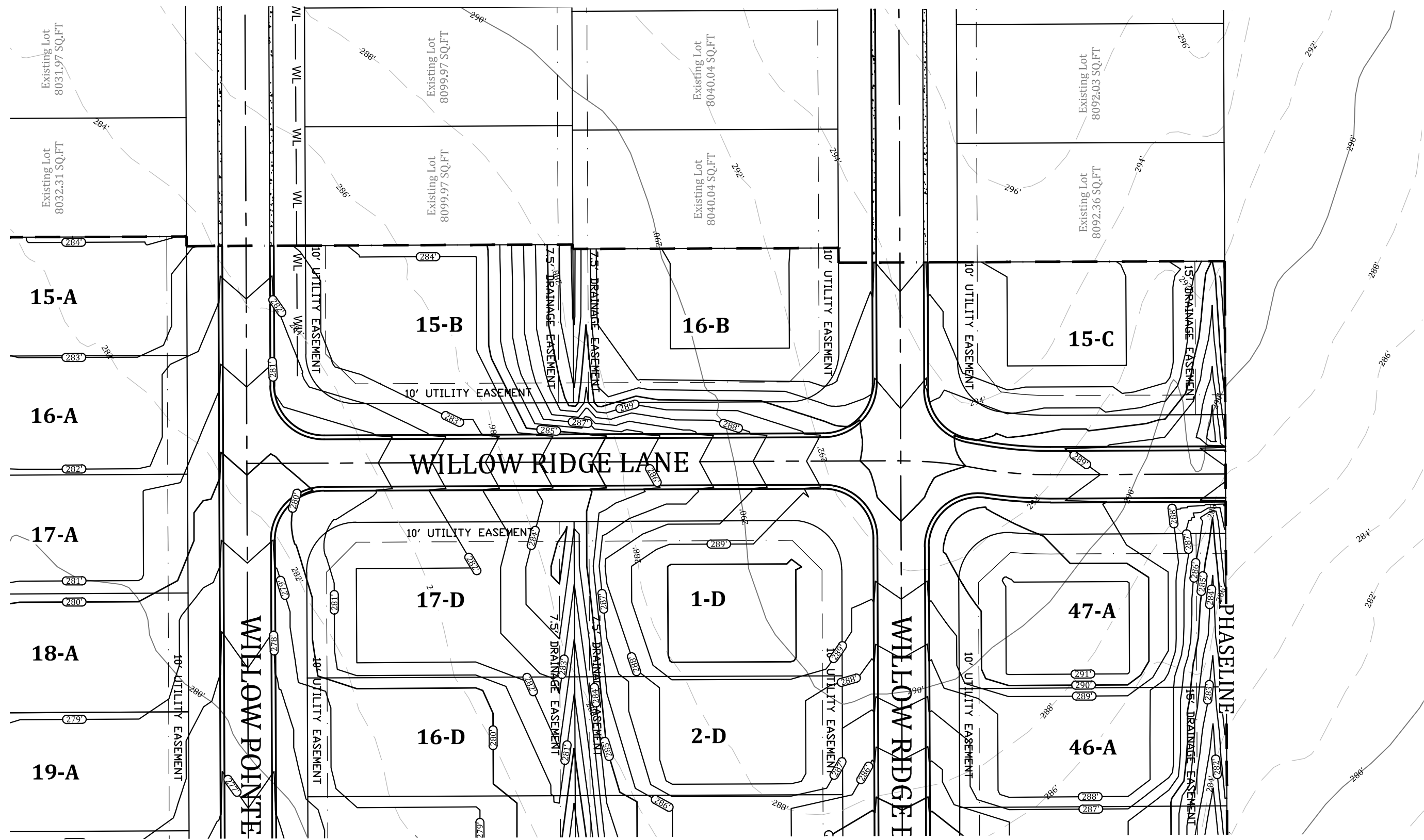


REVISIONS		
DATE	BY	DESCRIPTION

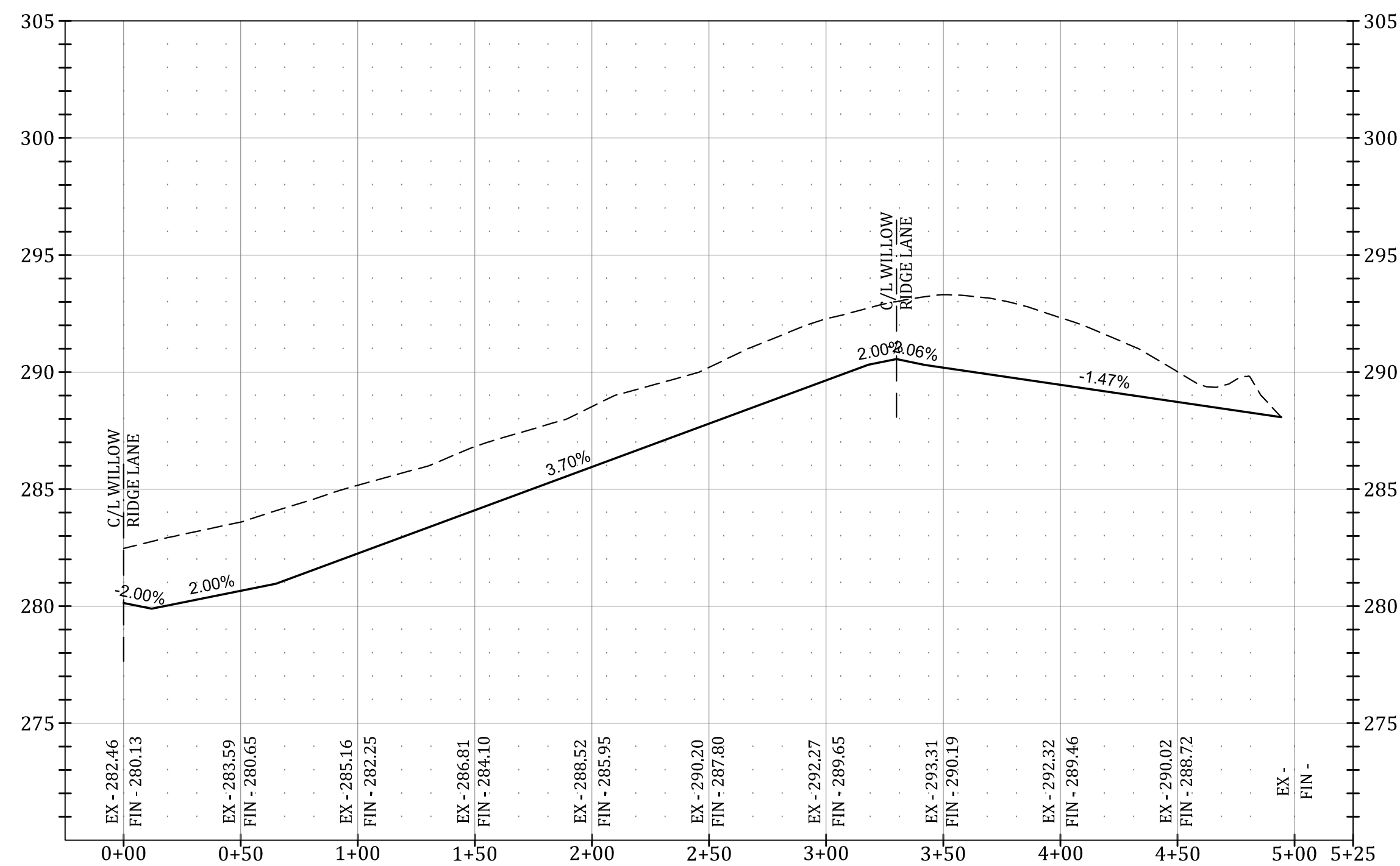
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SCALE:	1"=50'

SHEET NUMBER:
ST-1

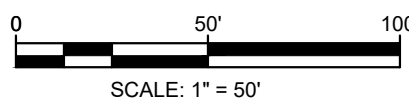
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WILLOW RIDGE LANE



VERTICAL SCALE 1:10
HORIZONTAL SCALE 1:50



WILLOW POINTE PHASE III

STREET PLAN & PROFILE



REVISIONS		
DATE	BY	DESCRIPTION

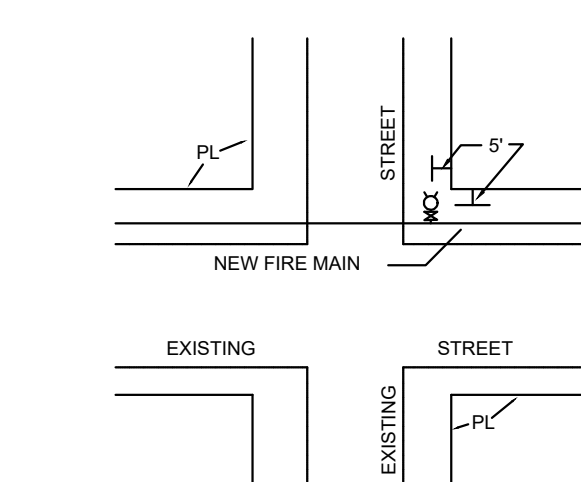
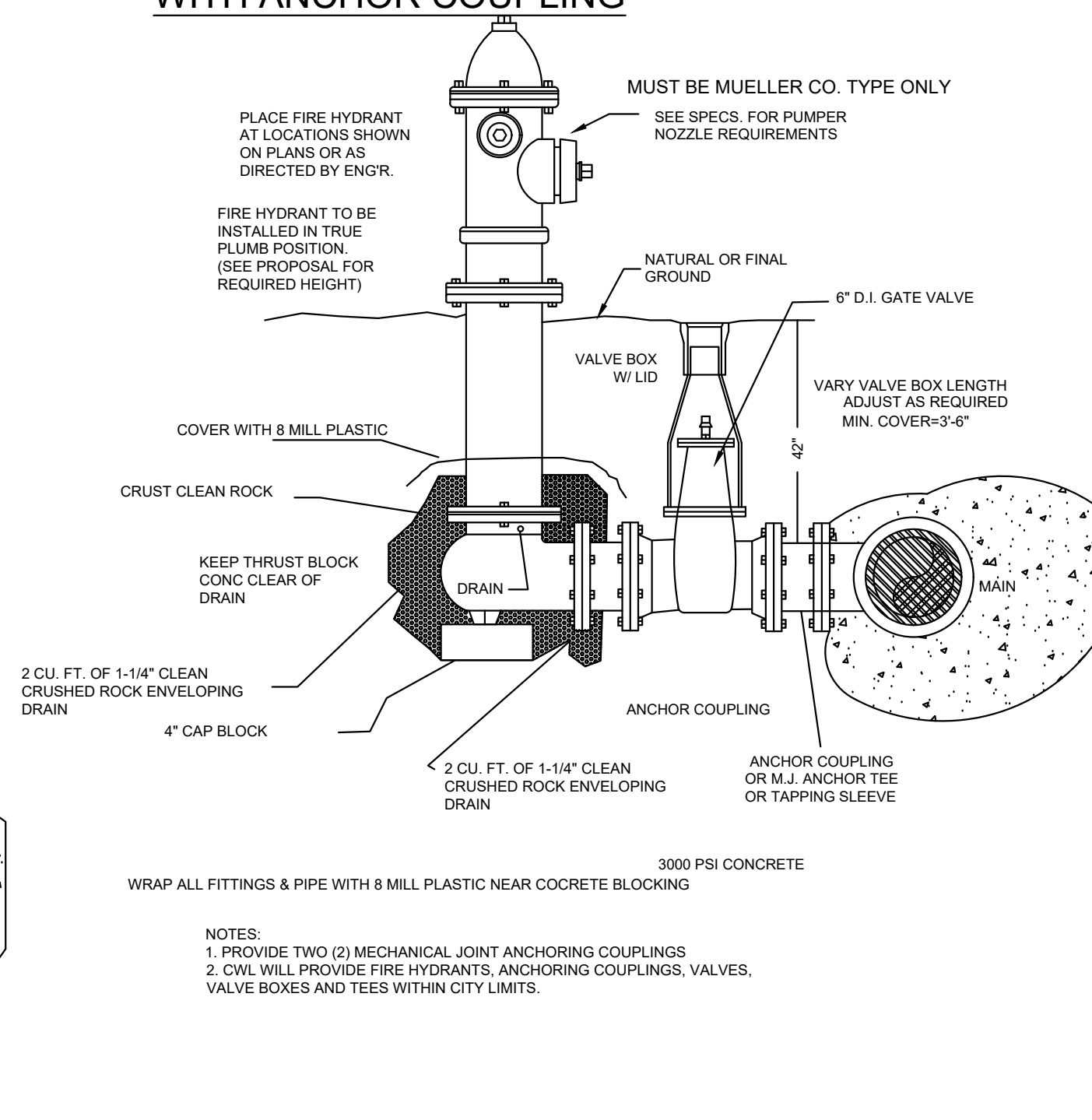
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DRAWN BY:	GMD
DATE:	4/1/20118
SCALE:	1"=50'

SHEET NUMBER:

ST-2

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FIRE HYDRANT DETAIL WITH ANCHOR COUPLING



TYPICAL FIRE HYDRANT LOCATION

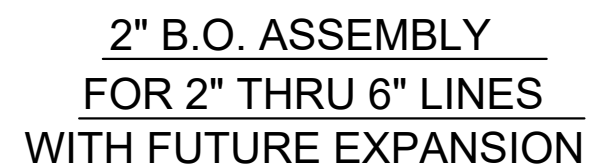
RADIUS OF CURVATURE FOR BENDING OF PIPE AROUND CURVES OR IN COVES SHALL NOT EXCEED THAT OF THE RECOMMENDATIONS OF THE PIPE MANUFACTURER OR REFER TO THE PVC PIPE HANDBOOK.		
PIPE SIZE (inches)	LENGTH (feet)	MIN. BENDING RADIUS (feet)
(DR 21) 2"	20	60
(DR 21) 3"	20	60
(DR 18) 4"	20	100
(DR 18) 6"	20	144
(DR 18) 8"	20	189
(DR 18) 10"	20	231
(DR 18) 12"	20	275
(DR 35) 4"	12.5 or 20	54.9
(DR 35) 6"	12.5 or 21	81.6
(DR 35) 8"	12.5 or 22	109
(DR 35) 10"	12.5 or 23	137
(DR 35) 12"	12.5 or 24	163
(DR 35) 15"	12.5 or 25	199



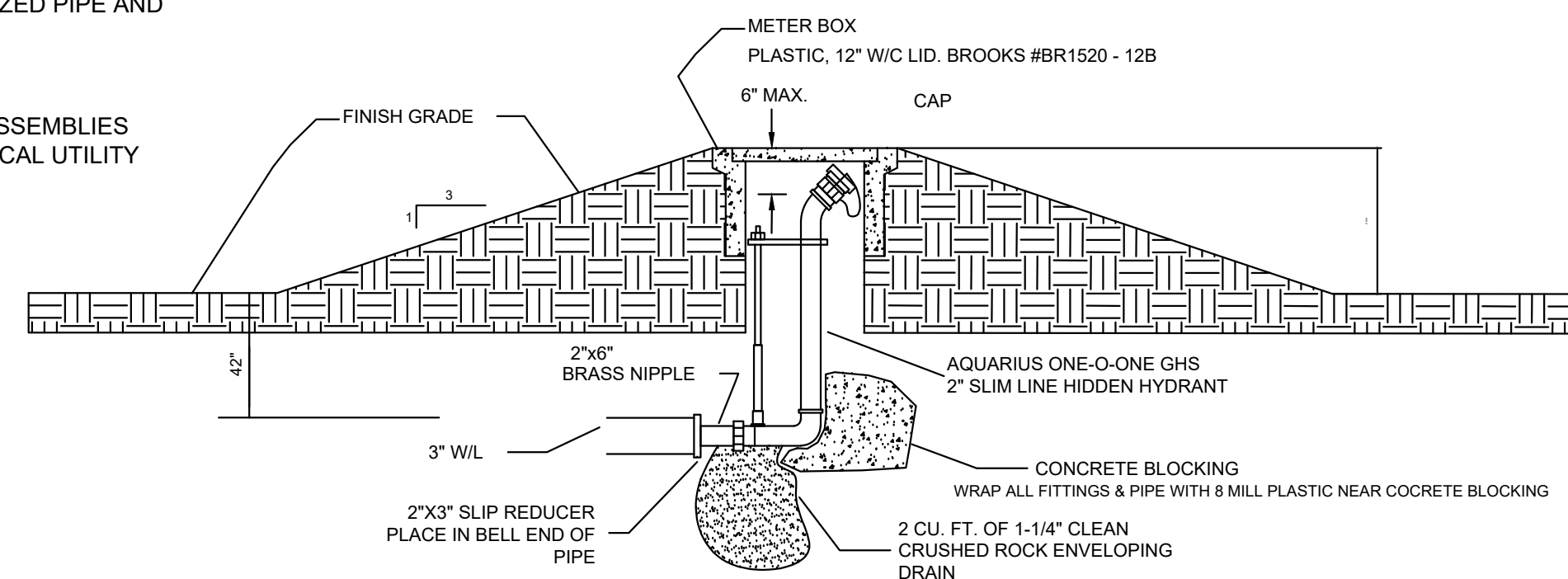
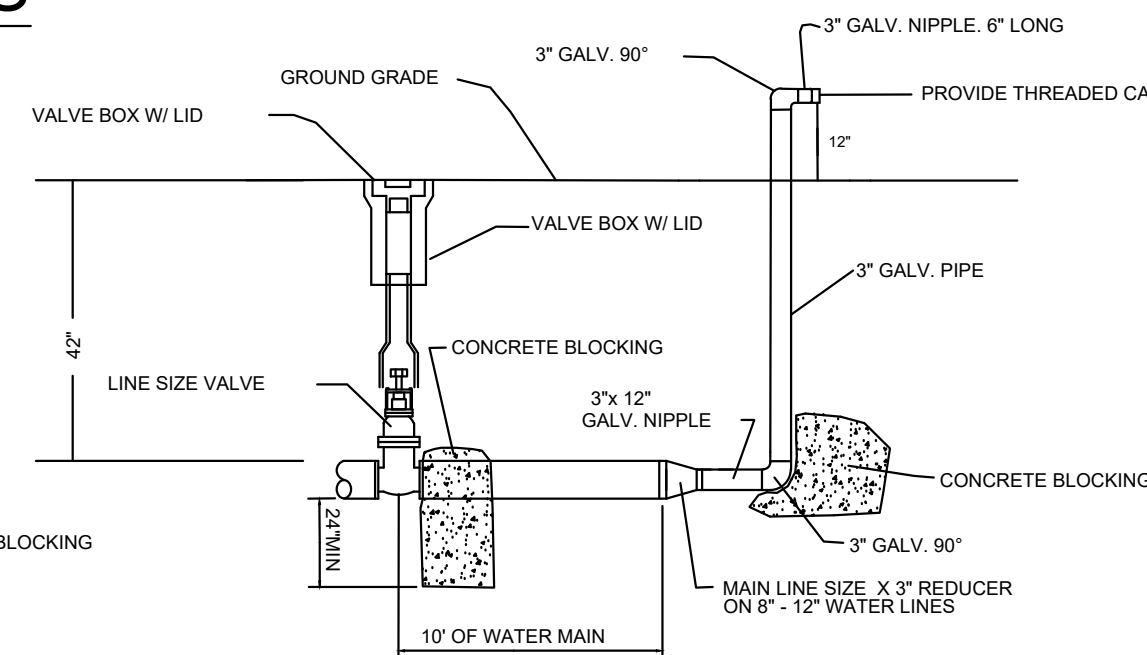
- NOTES:**
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HARD DUG SOIL.
 2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE BLOCKING OVER THE TOP, THE ENDS OF THE ADJACENT BLOCKS MUST HAVE A BRACE BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
 3. ALL FITTINGS & PIPE SHALL BE COVERED WITH 8 MILL PLASTIC WHEN BLOCKING TO PREVENT BONDING OF CONCRETE.
 4. WHERE SHEAR IS HIGH PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING AS DIRECTED BY ENGINEER.
 5. COVER SHALL BE A MINIMUM OF 3' BELOW NATURAL GRADE.
 6. CLEARANCE FROM OIL & GAS COMPANIES LINES SHALL BE A MINIMUM OF 18" FROM ANY LINES.
 7. THRUST BLOCKING DIMENSIONS SHALL BE 150% OF THE THRUST CALCULATED FROM THE TOTAL THRUST AT 20 PSI AND 150% OF THE THRUST CALCULATED FROM THE THRUST PRODUCED BY PUMPING LIQUID, & 4" ANGLE OF BEND TO BE BLOCKED AND SOIL BEARING CAPACITY OF 1500 PSI.
 8. ALL CONCRETE SHALL BE 3000 PSI AT 28 DAY STRENGTH.

REACTION BEARING AREAS FOR HORIZONTAL WATER PIPE BENDS BASED ON TEST PRESSURE OF 200 P.S.I.		
SIZE & DEGREE OF BEND	STATIC THRUST IN POUNDS	SOIL - 1000 LBS PER FT ²
6" - 11 1/4°	1,108	2 FT ²
6" - 22 1/2°	2,207	3 FT ²
6" - 45°	4,328	5 FT ²
6" - 90°	7,996	8 FT ²
6" - PLUG	5,655	6 FT ²
8" - 11 1/4°	1,970	2 FT ²
8" - 22 1/2°	3,992	4 FT ²
8" - 45°	7,694	8 FT ²
8" - 90°	14,215	15 FT ²
8" - PLUG	10,053	10 FT ²

3" B.O. ASSEMBLY
FOR 8" THRU 12" LINES
WITH FUTURE EXPANSION



NOTE: ALL 2", OR 3" GALVANIZED PIPE AND FITTINGS ARE TO BE SCH 40

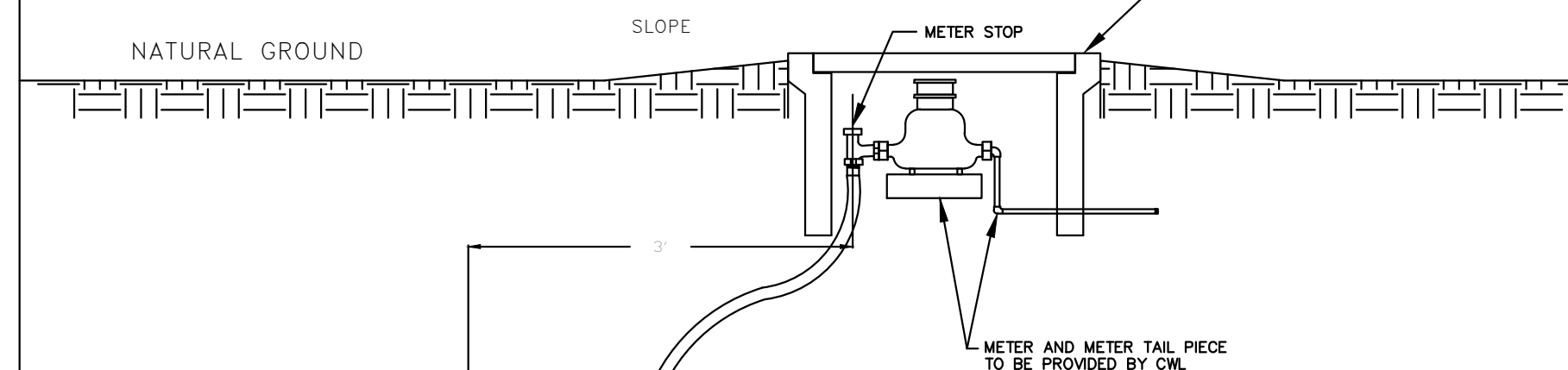


SERVICE CONNECTION AND METER SETTING

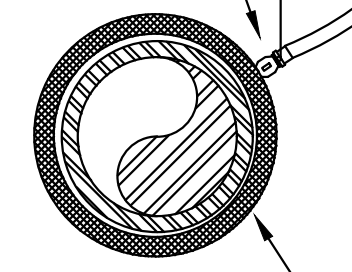
NOTE: ONLY 3/4" SERVICES TO BE USED OUTSIDE CITY LIMITS
NOTE: 1" SERVICES TO BE USE WHEN WATER PRESSURE IS BELOW 60 PSI



UNDERGROUND SERVICE LINE MINIMUM REQUIREMENTS CITY WATER AND LIGHT PLANT



WATER MAIN



PART SPECIFICATIONS

3/4" SERVICES

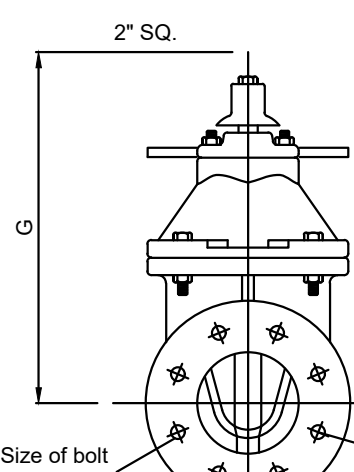
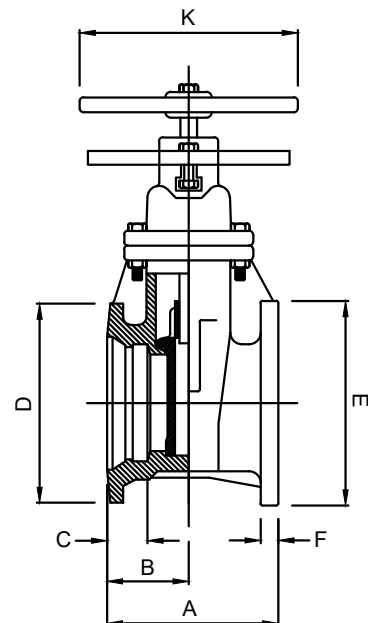
METER BOX BROOKS #BR1015-12B, PLASTIC 12" W/C LID
METER STOP 3/4" FORD BALL VALVE #BA-43-232WR CTS
CORP STOP 3/4" FORD #F1000 TAPER/CTS
COPPER 3/4" TYPE K
SADDLE FORDSTYLE #S70 + S90

1" SERVICES

METER BOX BROOK #BR1520-12B, PLASTIC W/C LID
METER STOP 1" FORD BALL VALVE #BA-43-444W CTS
CORP STOP FORD #F1000 TAPER/CTS
COPPER 1" TYPE K
SADDLE FORD STYLE #S70 + S90

TAPPING CONNECTIONS SHALL CONSIST OF TAPPING SLEEVES AND COMPANION TAPPING VALVES. THEY SHALL BE DESIGNED FOR WORKING WATER PRESSURE OF 200 PSI. SLEEVES SHALL BE FASTENED SECURELY TO THE PIPE TO BE TAPPED. TAPPING VALVES SHALL BE BOLTED SECURELY TO THE FLANGES OF THE SLEEVES, AND THE TAPPING MACHINE CONNECTED TO THE MECHANICAL JOINT END. THE INLET OPENINGS SHALL BE FLANGED AND THE OUTLET OPENINGS SHALL HAVE MECHANICAL JOINT ENDS. ALL TAPS WILL BE PERFORMED BY CWL.

NOTE: CONTRACTOR TO PURCHASE FROM CWI



No. & Size of bolt

VALUE SIZE	A	B	C	D	E	F	G	H	J	K
4	9-14	4-14	2-50	6-12	9	1-5/16	14-34	8-34	4-34	10
6	10-14	5	2-50	11-12	11	1	10	8-34	6-34	12
8	11	5-14	2-50	13-34	13-12	1	18	22-12	5-34	14
10	12-12	6	2-50	15-34	16	1-5/16	26-12	12-7/8	8-34	18
12	13-12	6-12	2-50	19	19	1-1/4	30	12-7/8	8-34	18
2	5-1/4	6-1/4	2-50	7-3/4	7-1/8	2-1/4	12-3/8	6-3/8	6-3/4	10

TAPPING SLEEVE
TAPPING VALVE DETAIL

WILLOW POINTE PHASE III

WATER DETAILS



REVISIONS		
DATE	BY	DESCRIPTION

DRAWING INFO	
DRAWN BY:	GMD
DATE:	4/1/2018
SCALE:	1"=??'

SHEET NUMBER

DT-1

MARK MORRIS P.E.
33221 SHELBY DRIVE
JONESBORO, AR 72404
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MARK R. MORRIS@YAHOO.COM

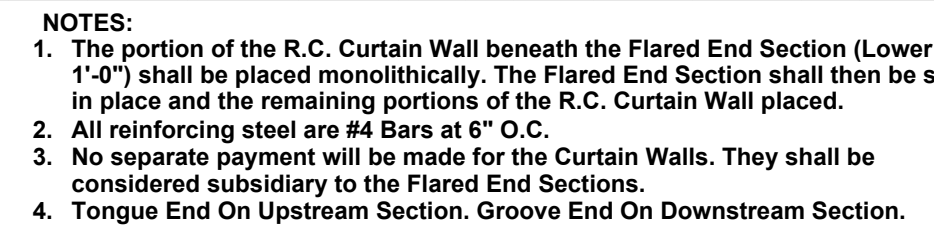
MARK MORRIS



NO DRIVEWAY CUTS ALLOWED WITH THIS TYPE OF CURE



NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.



N.T.S

