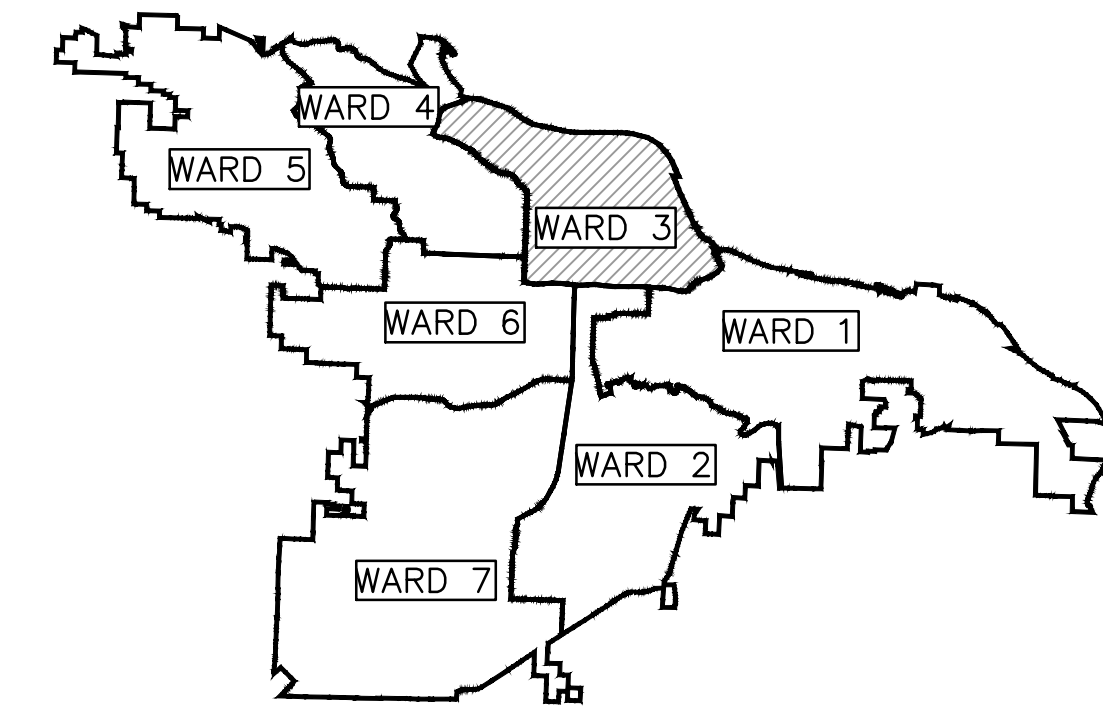


# B STREET RECONSTRUCTION

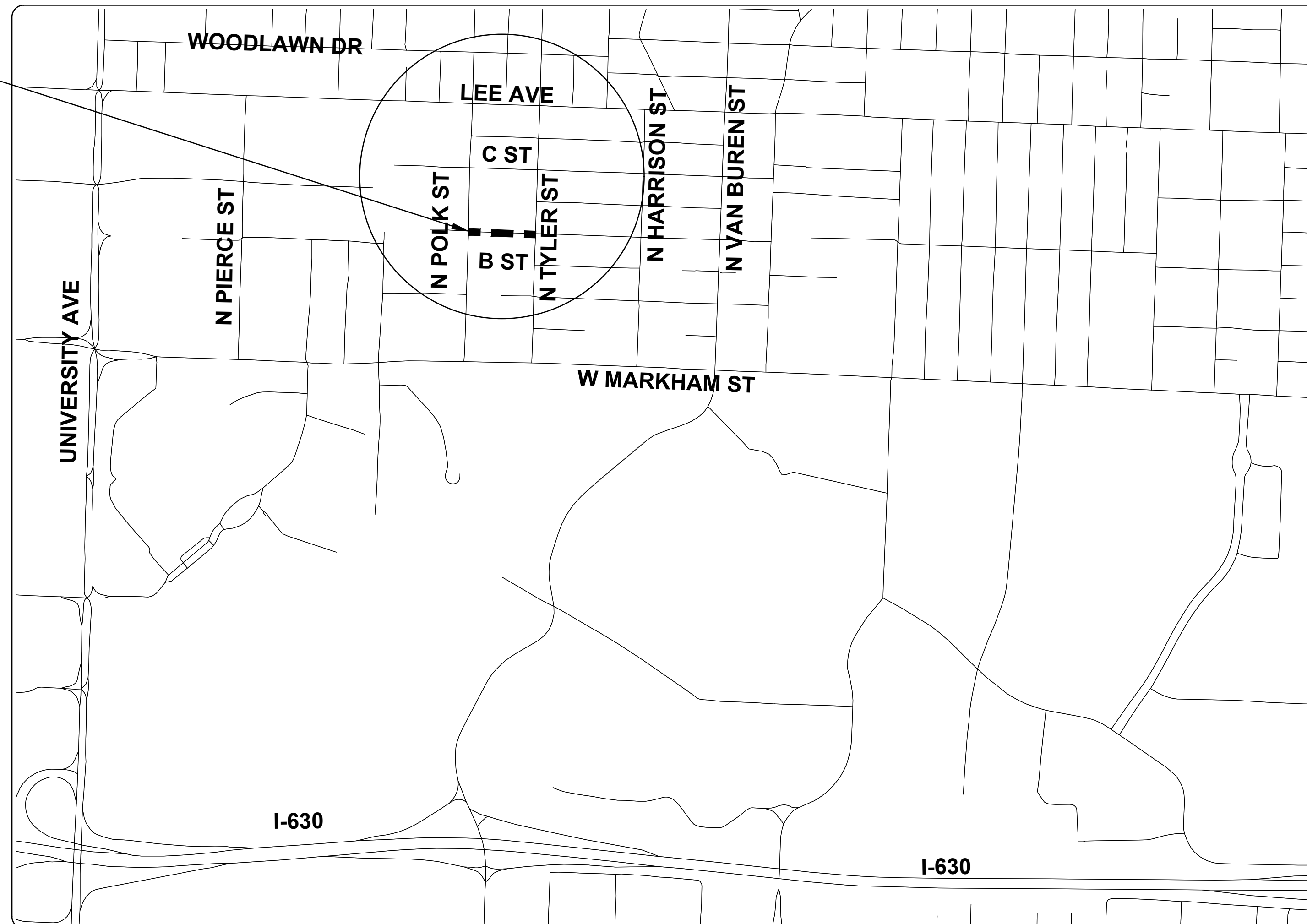
## N POLK ST TO N TYLER ST

### CLR PROJECT #03-17-ST-156

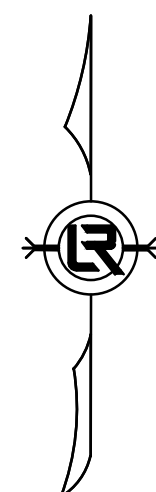


PROJECT LOCATION - WARD 3

PROJECT LOCATION



SHEET NO.	TITLE
C0	COVER SHEET
C1	LEGEND AND QUANTITIES
C2	TYPICAL SECTION
C3	EXISTING CONDITION
C4	PLAN AND PROFILE
C5	CROSS SECTIONS- I
C6	CROSS SECTIONS- II
C7	SURVEY CONTROL PLAN
C8	EROSION CONTROL PLAN - PHASE 1
C9	EROSION CONTROL PLAN - PHASES 2 AND 3
C10	MAINTENANCE OF TRAFFIC PLAN



**2019-2021**  
**BOND PROGRAM**

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 WEST MARKHAM STREET  
LITTLE ROCK, ARKANSAS 72201



**GNE** Designing our client's success  
**GarNat Engineering, LLC**

P.O. Box 116 (72018)  
2909 Military Road  
Benton, AR 72015

Ph (501) 408-4650  
Fx (888) 900-3068  
garnatengineering@gmail.com

REVISIONS	DATE

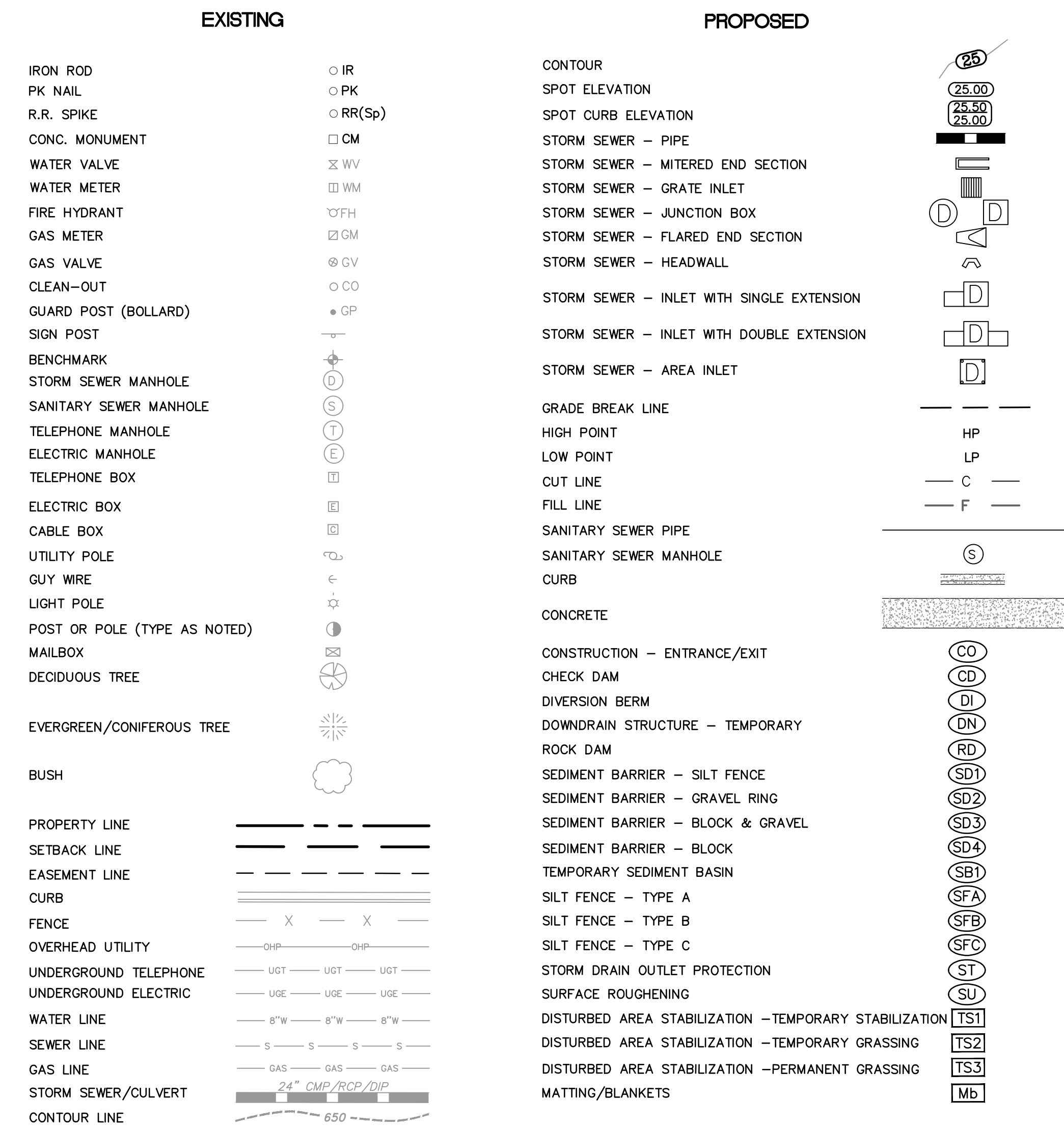
CITY OF LITTLE ROCK, ARKANSAS  
B STREET RECONSTRUCTIONS  
COVER SHEET  
90% REVIEW SET

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

PRELIMINARY

DRAWN BY ATV
DESIGNED VJW & NHC
CHECKED VJW
DATE 05-31-2019
SCALE N.T.S.
PROJECT NO. 03-17-ST-156
SHEET NO. C0

CLR PROJECT 03-17-ST-156			
B STREET RECONSTRUCTIONS-90% QUANTITIES			
31-May-19			
Item	Description	Unit	Quantity
2.01	SITE PREPARATION	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	200
3.06	BORROW MATERIAL	CY	200
3.40	TOP SOIL	CY	100
4.01	AGGREGATE BASE COURSE	TON	100
5.01	TACK COAT	GAL	90
6.10	ACHM SURFACE COURSE (TYPE 2)	TON	160
7.06	CONCRETE DRIVEWAY AND APRON (6" THICK)	SF	2200
8.01	CONCRETE CURB AND GUTTER (CLASS 3)	LF	500
9.10	CONCRETE SIDEWALK	SF	1300
10.05	CURB INLET 5' BOX	EA	5
10.07	WING 3' EXTENSION	EA	6
10.10	WING 6' EXTENSION	EA	1
13.18	STORM DRAIN PIPE, 18" (SIDE DRAIN)	LF	12
13.18	STORM DRAIN PIPE, 18" (CROSS DRAIN)	LF	150
13.24	STORM DRAIN PIPE, 24" (SIDE DRAIN)	LF	41
13.24	STORM DRAIN PIPE, 24" (CROSS DRAIN)	LF	32
13.61	TIE PIPE INTO EXISTING BOX	EA	1
14.01	SOLID SOD, BERMUDA	SY	350
14.02	SOLID SOD, SPECIAL (MATCH EXISTING)	SY	100
16.01	MAINTENANCE OF TRAFFIC	LS	1
17.10	CUT & REPAIR EXISTING STREET SURFACE (PW-25)	SY	80
18.50	ACCESS RAMP (TYPE 3)	SF	60
18.55	WATER FOR DUST CONTROL	GAL	10000
19.01	FINAL CLEANUP	LS	1
23.01	B STONE	TON	160
24.05	ROCK DAM (RD)	CY	5
24.06	SEDIMENT BARRIER, SILT FENCE (SD1)	EA	5
24.09	SEDIMENT BARRIER, BLOCK (SD-4)	EA	5
24.12	SILT FENCE (TYPE A)	LF	330
26.10	TRENCH EXCAVATION & SAFETY	LS	1
606.18C	FLARED END SECTION, 18"	EA	1
606.24C	FLARED END SECTION, 24"	EA	1
726.01	STANDARD SIGN	SF	12.5
729.01	CHANNEL POST SIGN SUPPORT (TYPE C)	EA	2



REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**B STREET RECONSTRUCTIONS**  
**LEGEND & QUANTITIES**  
**90% REVIEW SET**

DEPARTMENT OF PUBLIC WORKS  
**CIVIL ENGINEERING**  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

**PRELIMINARY**

<b>DRAWN BY</b> ATV
<b>DESIGNED</b> VJW & NCH
<b>CHECKED</b> VJW
<b>DATE</b> 05-31-2019
<b>SCALE</b> N.T.S.
<b>PROJECT NO.</b> 03-17-ST-156
<b>SHEET NO.</b> C1

REVISIONS    DATE


CITY OF LITTLE ROCK, ARKANSAS  
B STREET RECONSTRUCTION

TYPICAL SECTION  
90% REVIEW SET

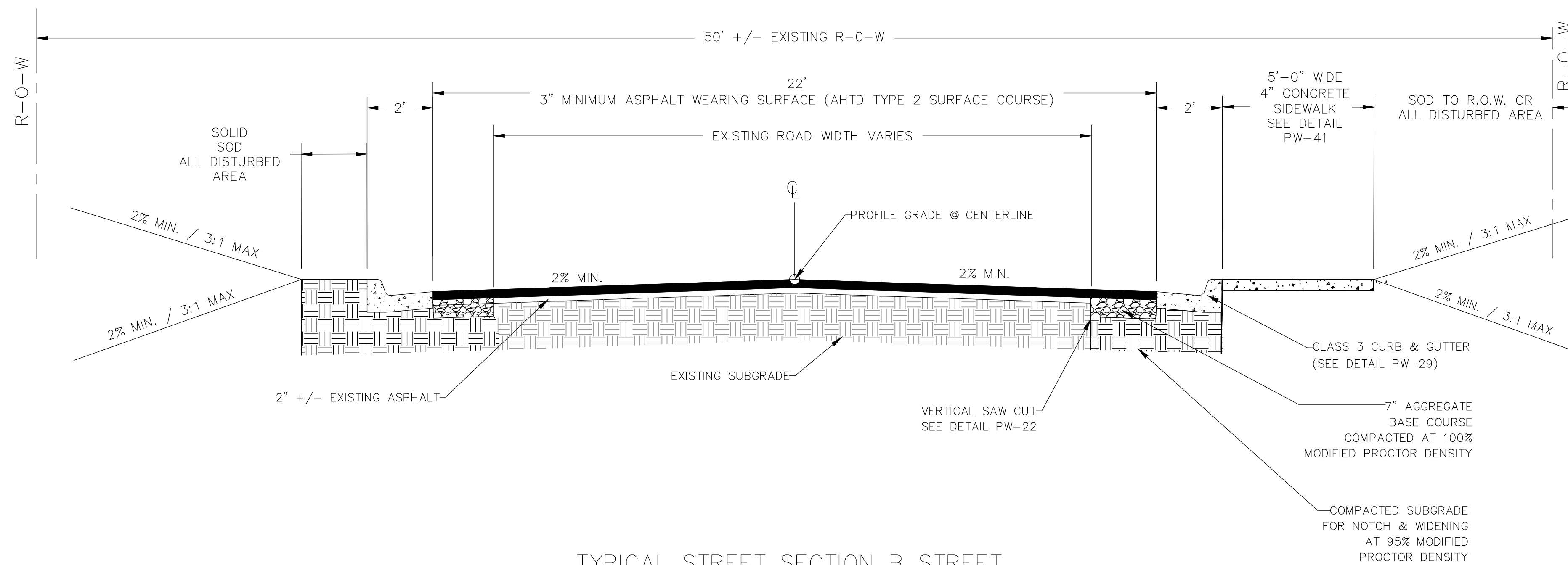
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



PRELIMINARY

DRAWN BY  
ATV  
DESIGNED  
VJW & NHC  
CHECKED  
VJW  
DATE  
05-31-2019  
SCALE  
N.T.S.  
PROJECT NO.  
03-17-ST-156  
SHEET NO.

C2



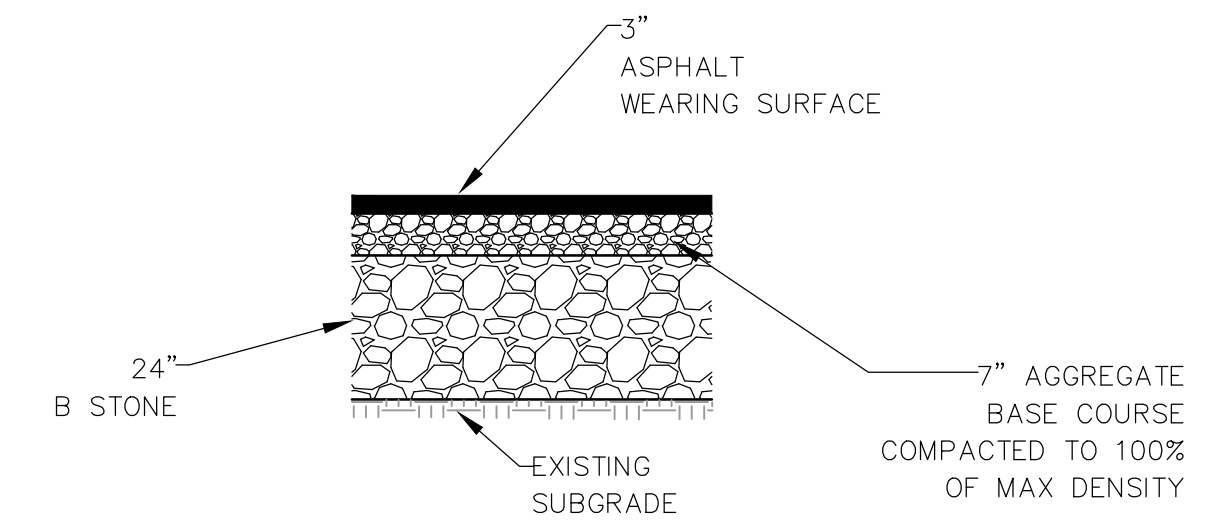
TYPICAL STREET SECTION B STREET

SCALE: 1/8" = 1'-0"

STA 1+87 TO STA 5+44

GENERAL STREET CONSTRUCTION NOTES:

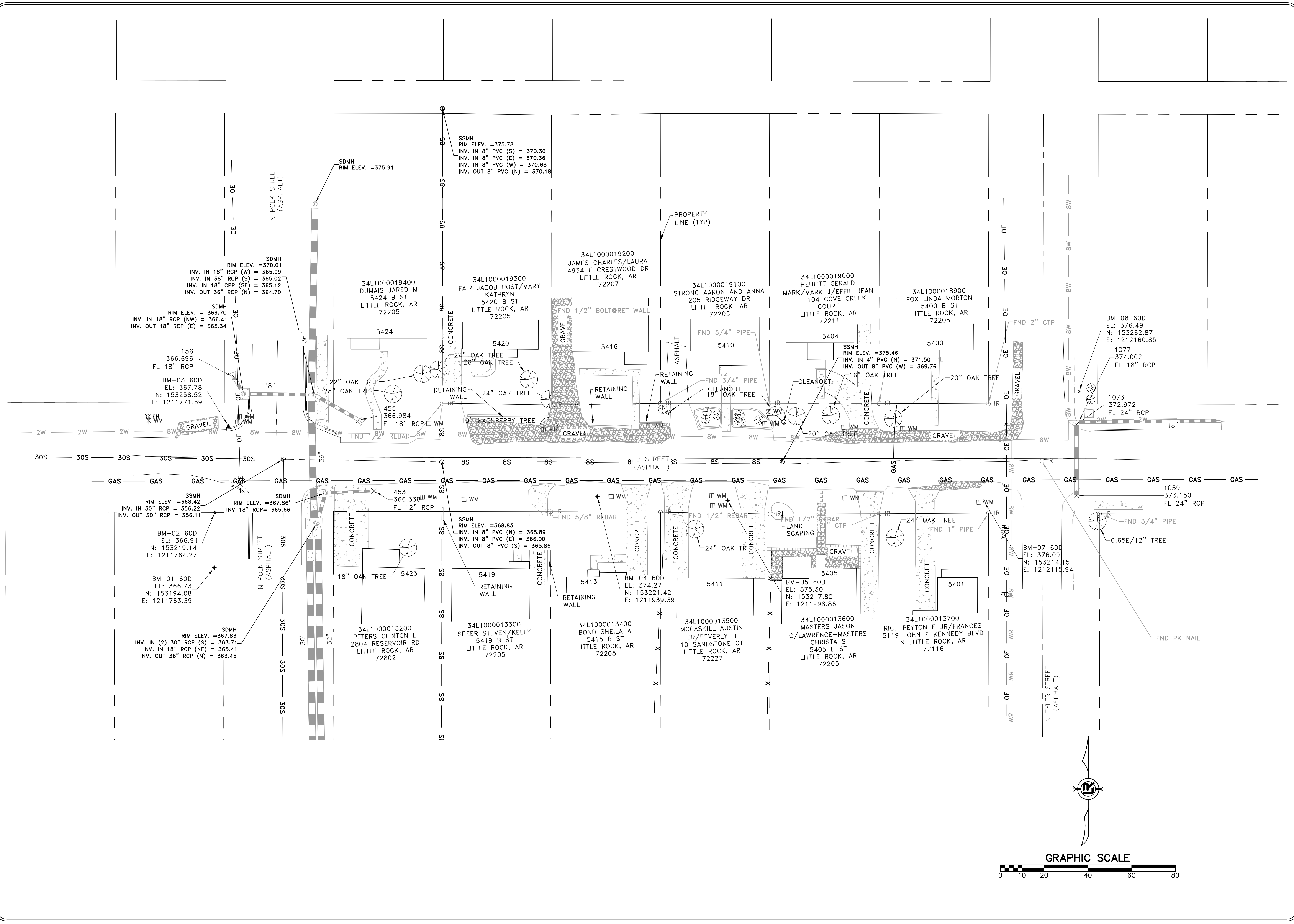
1. WORK ASSOCIATED WITH THESE DETAILS COMPLY WITH LITTLE ROCK PW-22 DETAIL.
2. IF OR WHERE DIRECTED, UNDERCUT, EXCAVATE AND RECONSTRUCT SUBGRADE WITH B STONE PER DETAIL A AS DIRECTED BY ENGINEER TO REPAIR SUBGRADE FAILURES.



DETAIL A

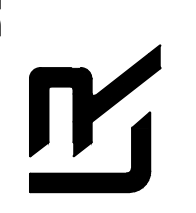


REVISIONS	DATE



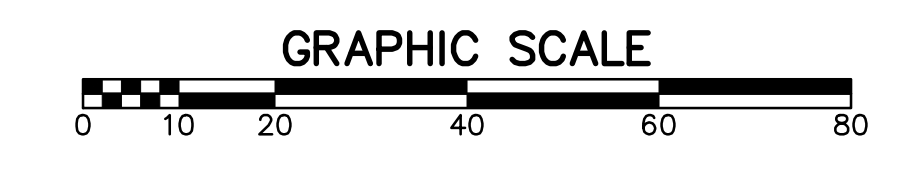
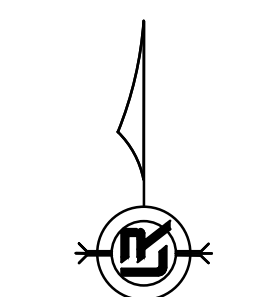
**CITY OF LITTLE ROCK, ARKANSAS**  
**B STREET RECONSTRUCTIONS**  
 EXISTING CONDITION  
 90% REVIEW

**DEPARTMENT OF PUBLIC WORKS**  
**CIVIL ENGINEERING**  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



**PRELIMINARY**

**DRAWN BY**  
 ATV  
**DESIGNED**  
 NCH  
**CHECKED**  
 VJW  
**DATE**  
 05-31-2019  
**SCALE**  
 1"=20' (22X34)  
**PROJECT NO.**  
 03-17-ST-156  
**SHEET NO.**  
 C3



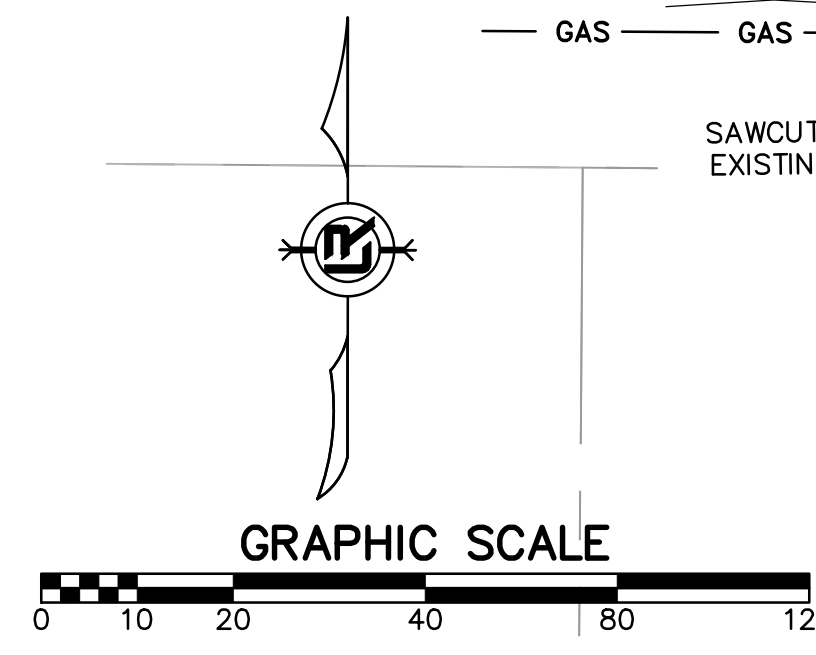
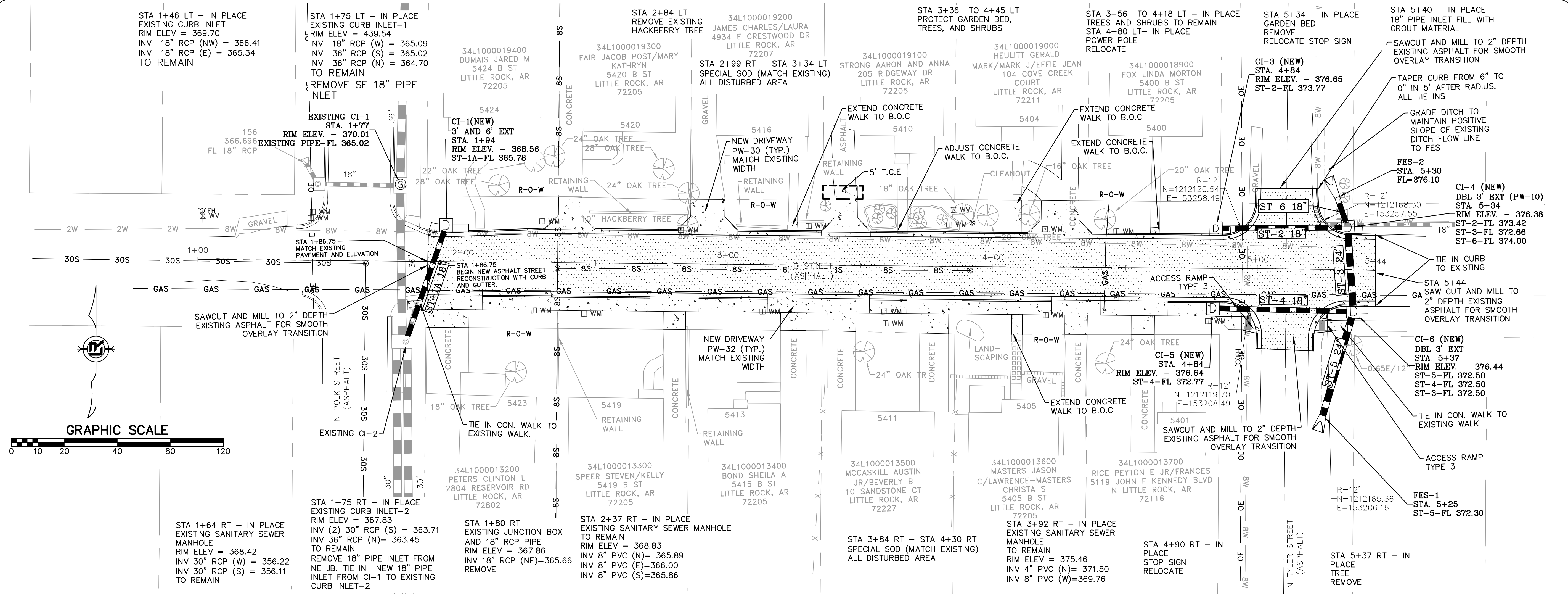
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**B STREET RECONSTRUCTION**  
**PLAN AND PROFILE**  
**90% REVIEW**

**DEPARTMENT OF PUBLIC WORKS**  
**CIVIL ENGINEERING**  
**701 W. MARKHAM**  
**LITTLE ROCK, ARKANSAS 72201**

**PRELIMINARY**

**DRAWN BY**  
**NHC & ATV**  
**DESIGNED**  
**NHC & VJW**  
**CHECKED**  
**VJW**  
**DATE**  
**05-31-2019**  
**SCALE**  
**1"=20' (22X34)**  
**PROJECT NO.**  
**03-17-ST-156**  
**SHEET NO.**  
**C4**



STA 1+46 LT - IN PLACE EXISTING CURB INLET  
RIM ELEV = 369.70  
INV 18" RCP (W) = 365.41  
INV 18" RCP (E) = 365.34  
TO REMAIN

STA 1+75 LT - IN PLACE EXISTING CURB INLET-1  
RIM ELEV = 439.54  
INV 18" RCP (W) = 365.09  
INV 36" RCP (S) = 365.02  
INV 36" RCP (N) = 364.70  
TO REMAIN  
REMOVE SE 18" PIPE INLET

EXISTING CI-1  
STA. 1+77  
RIM ELEV. - 370.01  
EXISTING PIPE-FL 365.02

341000019400 DUMAIS JARED M  
5424 B ST  
LITTLE ROCK, AR  
72205

341000019300 FAIR JACOB POST/MARY  
KATHRYN  
5420 B ST  
LITTLE ROCK, AR  
72205

341000019200 JAMES CHARLES/LAURA  
4934 E CRESTWOOD DR  
LITTLE ROCK, AR  
72207

341000019100 STRONG AARON AND ANNA  
205 RIDGEWAY DR  
LITTLE ROCK, AR  
72205

341000019000 HEULITT GERALD  
MARK/MARK J/EFFIE JEAN  
104 COVE CREEK COURT  
LITTLE ROCK, AR  
72211

341000018900 FOX LINDA MORTON  
5400 B ST  
LITTLE ROCK, AR  
72205

STA 5+34 - IN PLACE GARDEN BED REMOVE  
RELOCATE STOP SIGN

STA 5+40 - IN PLACE 18" PIPE INLET FILL WITH GROUT MATERIAL

CI-3 (NEW)  
STA. 4+84  
RIM ELEV. - 376.65  
ST-2-FL 373.77

TAPER CURB FROM 6" TO 0" IN 5' AFTER RADIUS. ALL TIE INS

GRADE DITCH TO MAINTAIN POSITIVE SLOPE OF EXISTING DITCH FLOW LINE TO FES

FES-2  
STA. 5+30  
FL=376.10

CI-4 (NEW)  
DBL 3' EXT  
STA. 5+34  
RIM ELEV. - 376.38  
ST-2-FL 373.42  
ST-3-FL 372.66  
ST-6-FL 374.00

TIE IN CURB TO EXISTING

STA 5+44  
SAW CUT AND MILL TO 2" DEPTH EXISTING ASPHALT FOR SMOOTH OVERLAY TRANSITION

CI-6 (NEW)  
DBL 3' EXT  
STA. 5+37  
RIM ELEV. - 376.44  
ST-5-FL 372.50  
ST-4-FL 372.50  
ST-3-FL 372.50

TIE IN CON. WALK TO EXISTING WALK

ACCESS RAMP TYPE 3

FES-1  
STA. 5+25  
ST-5-FL 372.30

STA 5+37 RT - IN PLACE TREE REMOVE

STA 1+86.75 MATCH EXISTING PAVEMENT AND ELEVATION

SAWCUT AND MILL TO 2" DEPTH EXISTING ASPHALT FOR SMOOTH OVERLAY TRANSITION

N POLK STREET (ASPHALT)

EXISTING CI-2

STA 1+75 RT - IN PLACE EXISTING CURB INLET-2  
RIM ELEV = 367.83  
INV (2) 30" RCP (S) = 363.71  
INV 36" RCP (N) = 363.45  
TO REMAIN  
REMOVE 18" PIPE INLET FROM NE JB. TIE IN NEW 18" PIPE INLET FROM CI-1 TO EXISTING CURB INLET-2

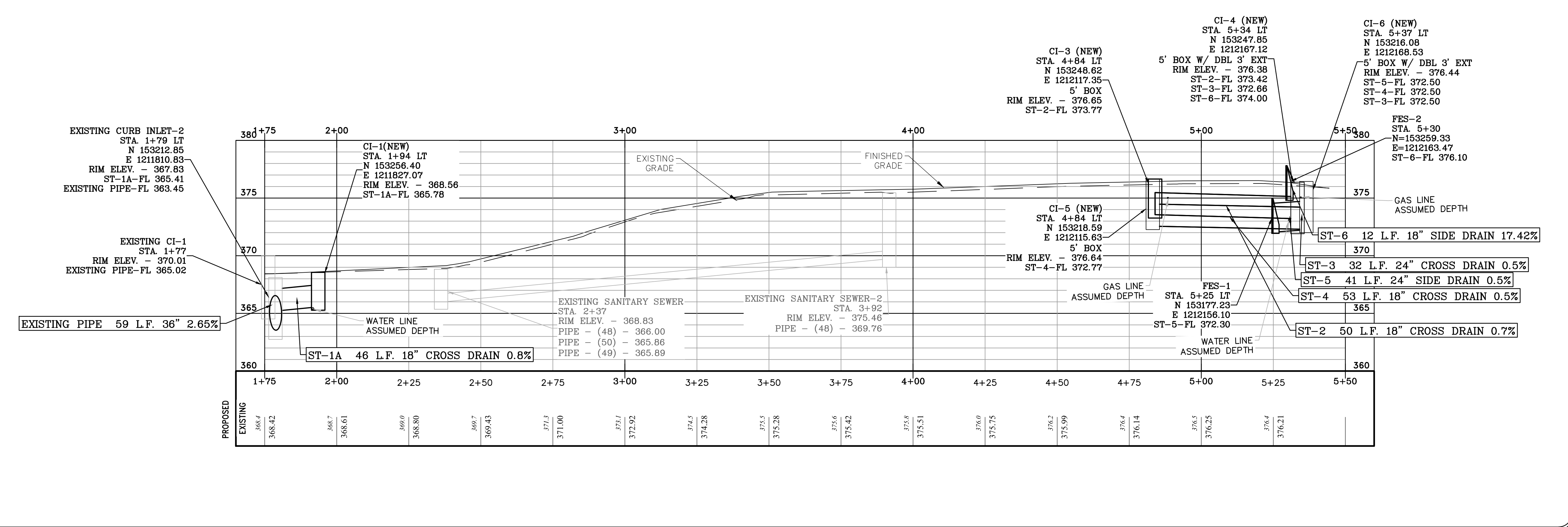
STA 1+80 RT EXISTING JUNCTION BOX AND 18" RCP PIPE  
RIM ELEV = 367.86  
INV 18" RCP (NE)=365.66  
REMOVE

STA 2+37 RT - IN PLACE EXISTING SANITARY SEWER MANHOLE TO REMAIN  
RIM ELEV = 368.83  
INV 8" PVC (N) = 365.89  
INV 8" PVC (E)=366.00  
INV 8" PVC (S)=365.86

STA 3+84 RT - STA 4+30 RT SPECIAL SOD (MATCH EXISTING) ALL DISTURBED AREA

STA 3+92 RT - IN PLACE EXISTING SANITARY SEWER MANHOLE TO REMAIN  
RIM ELEV = 375.46  
INV 4" PVC (N) = 371.50  
INV 8" PVC (W)=369.76

STA 4+90 RT - IN PLACE STOP SIGN RELOCATE



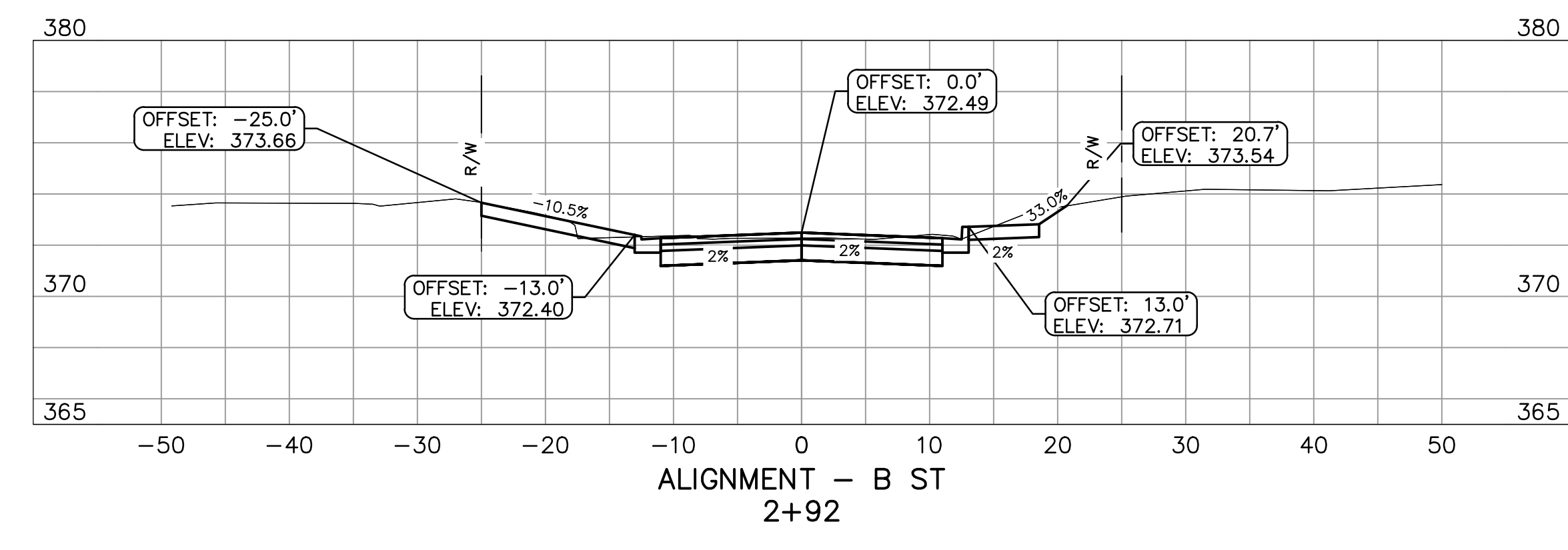
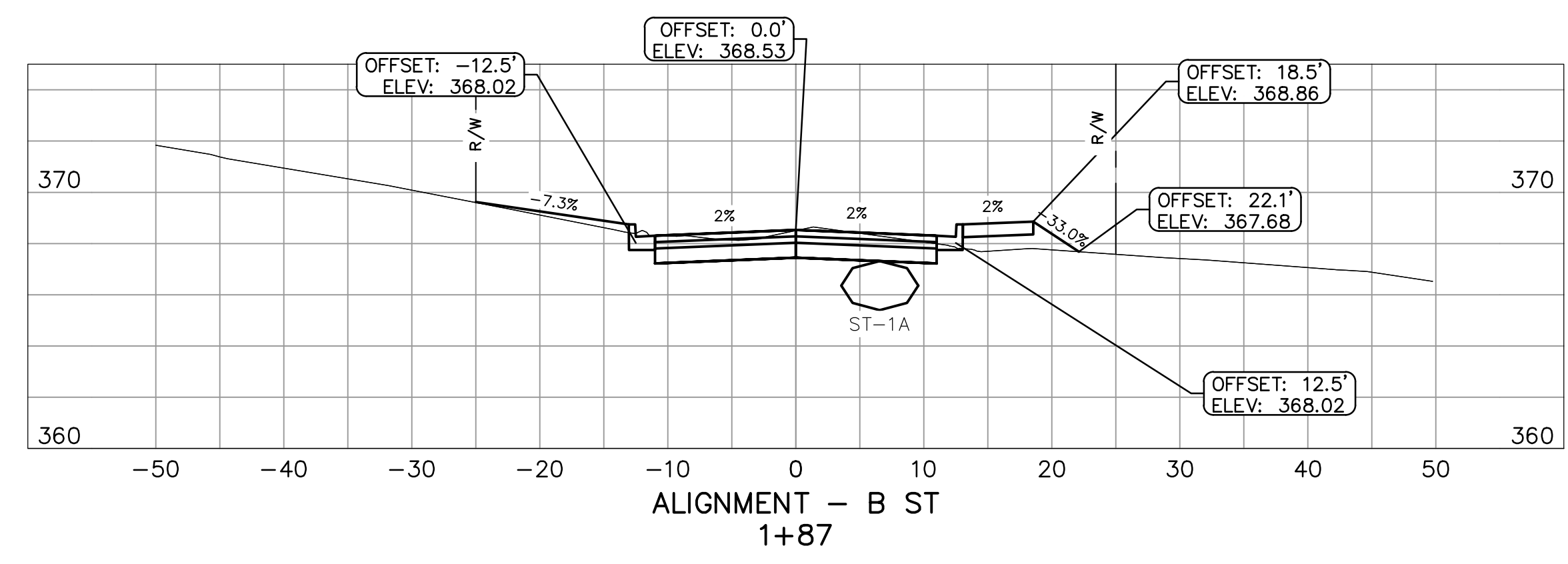
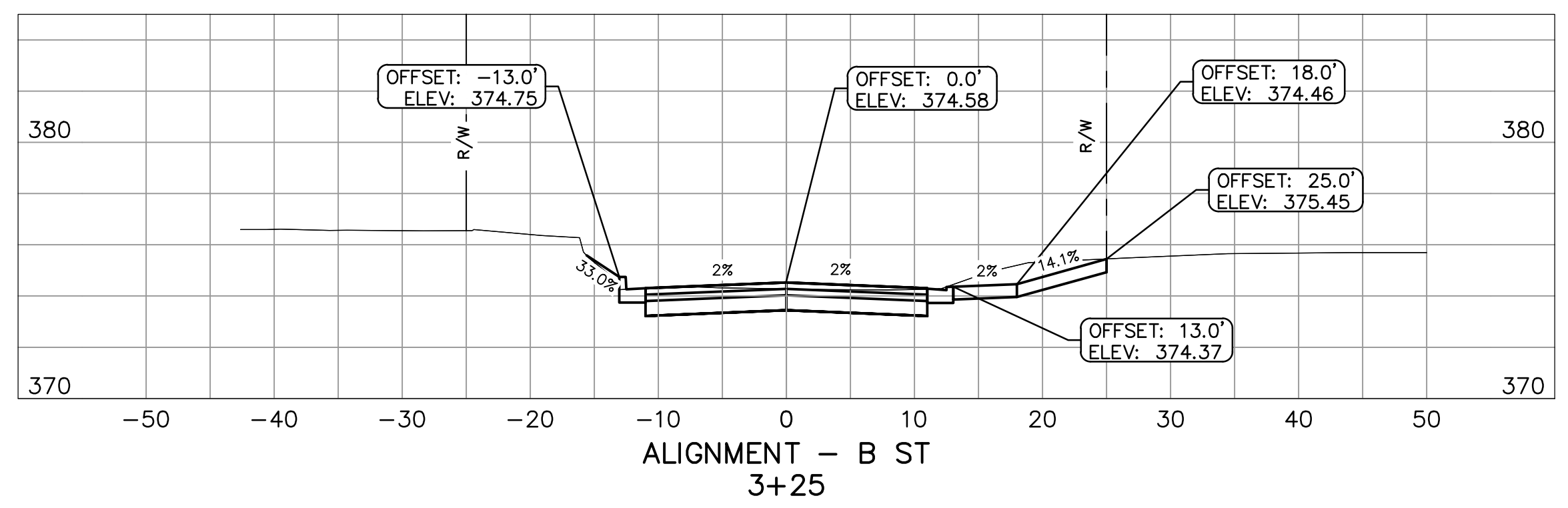
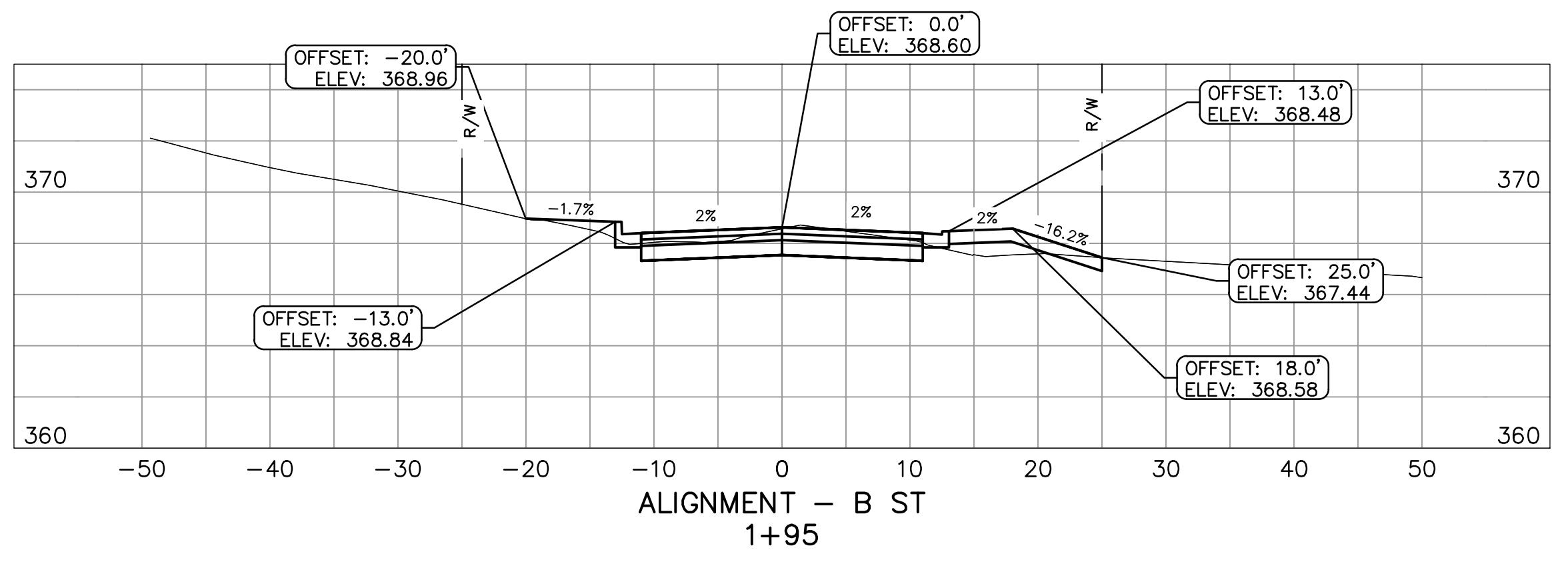
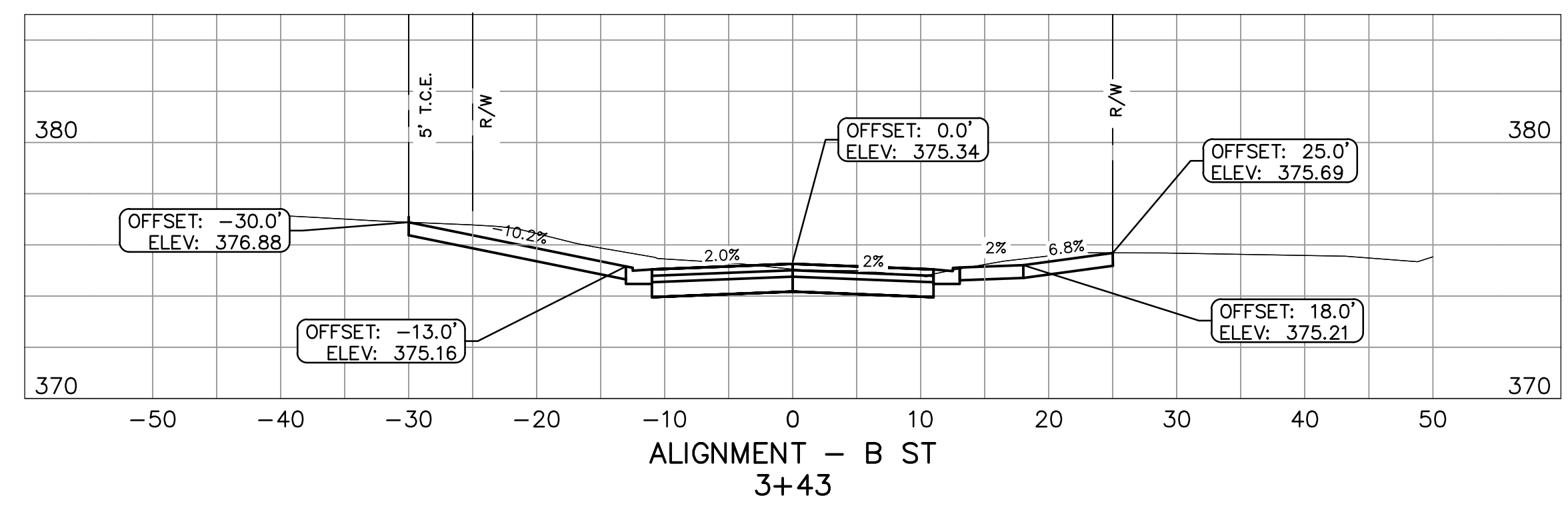
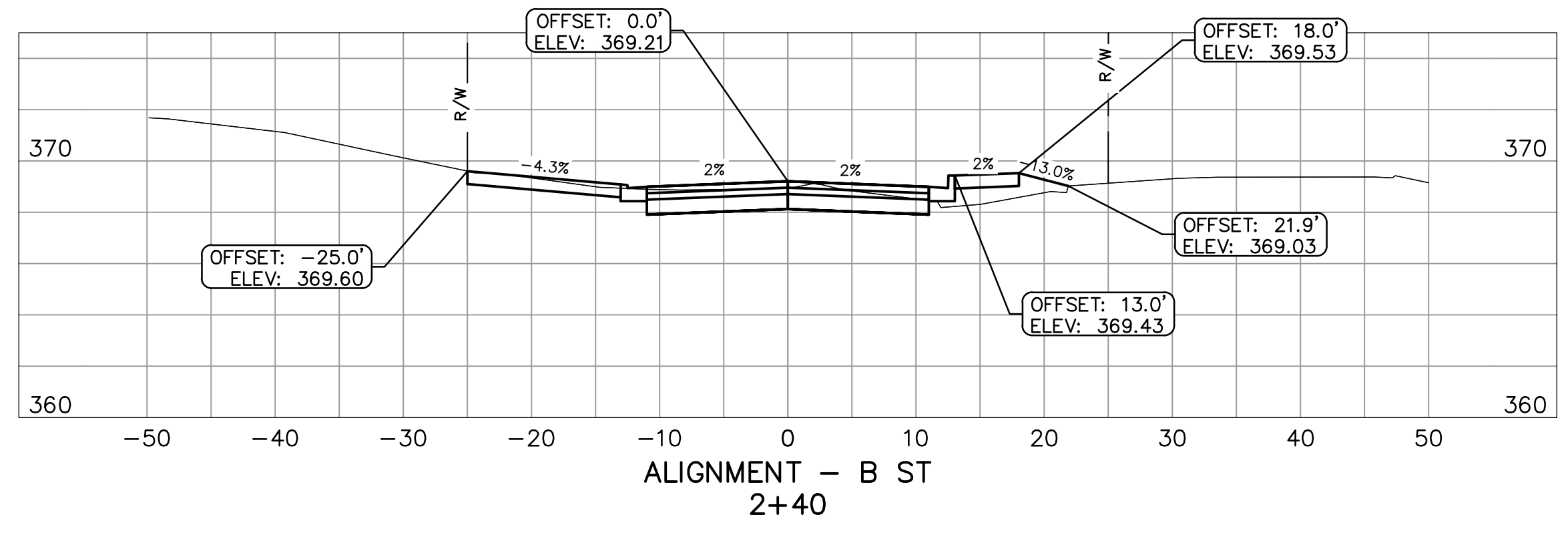
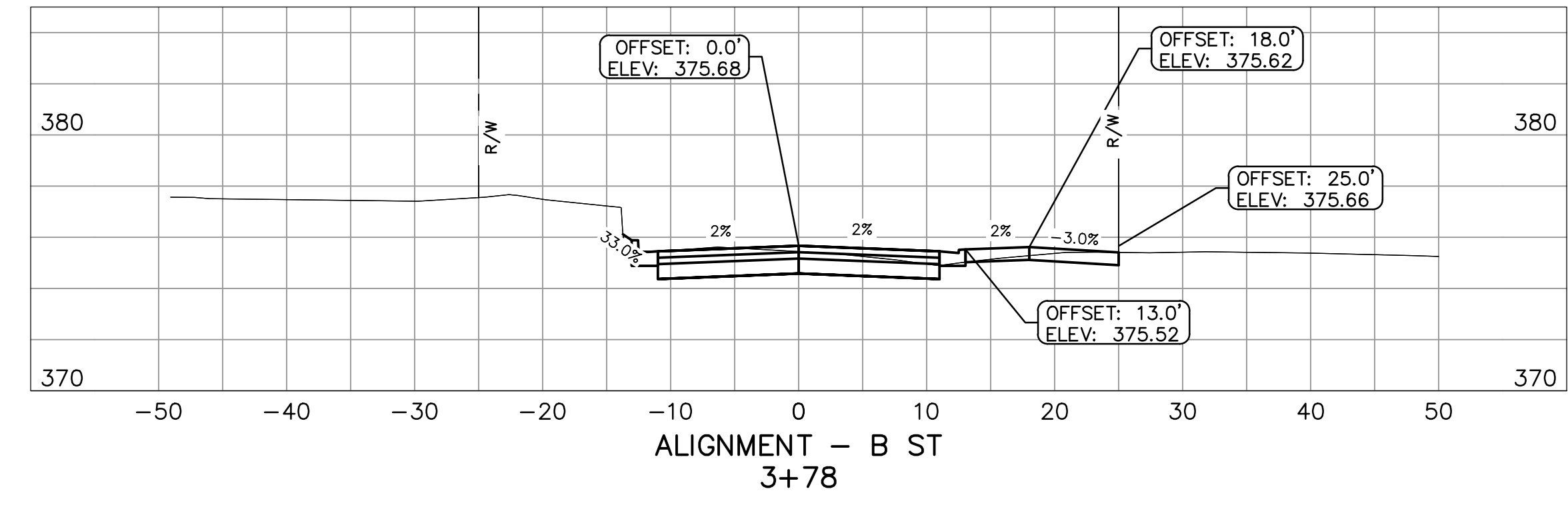
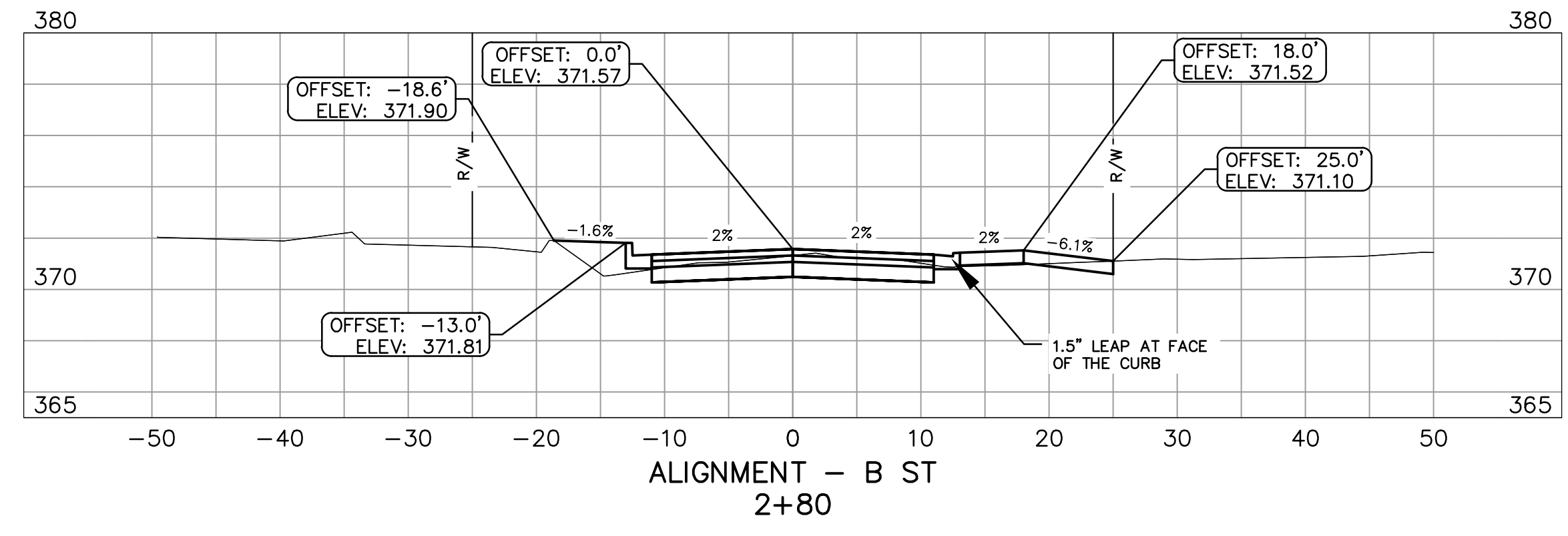
REVISIONS	DATE

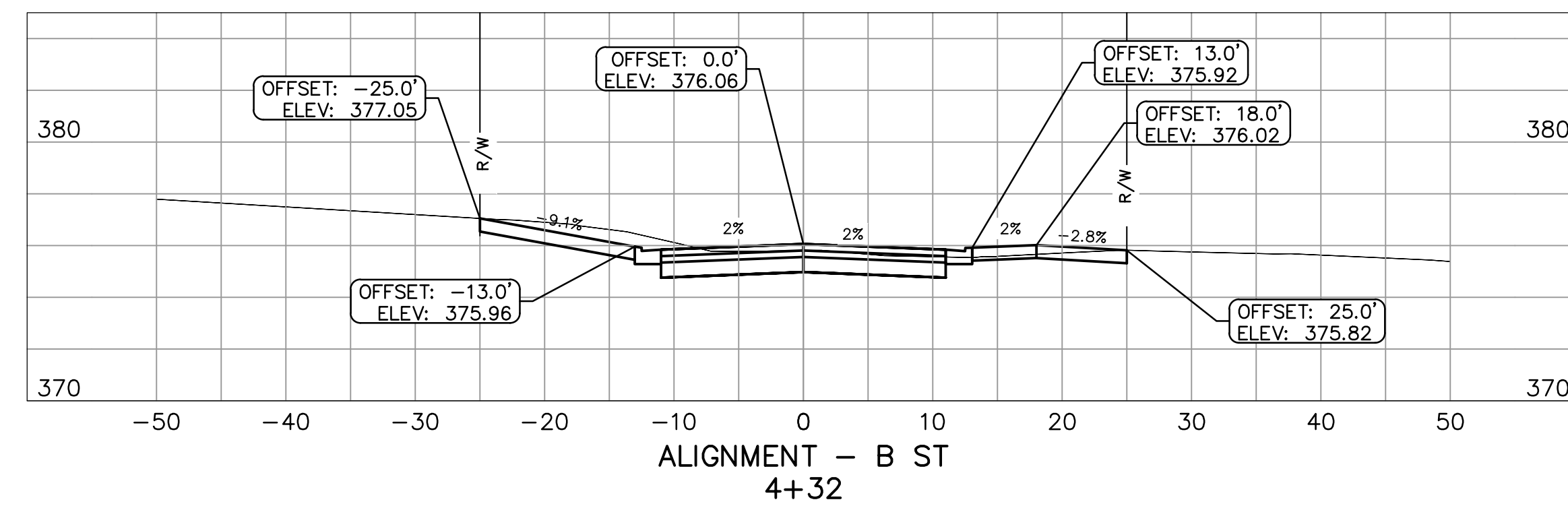
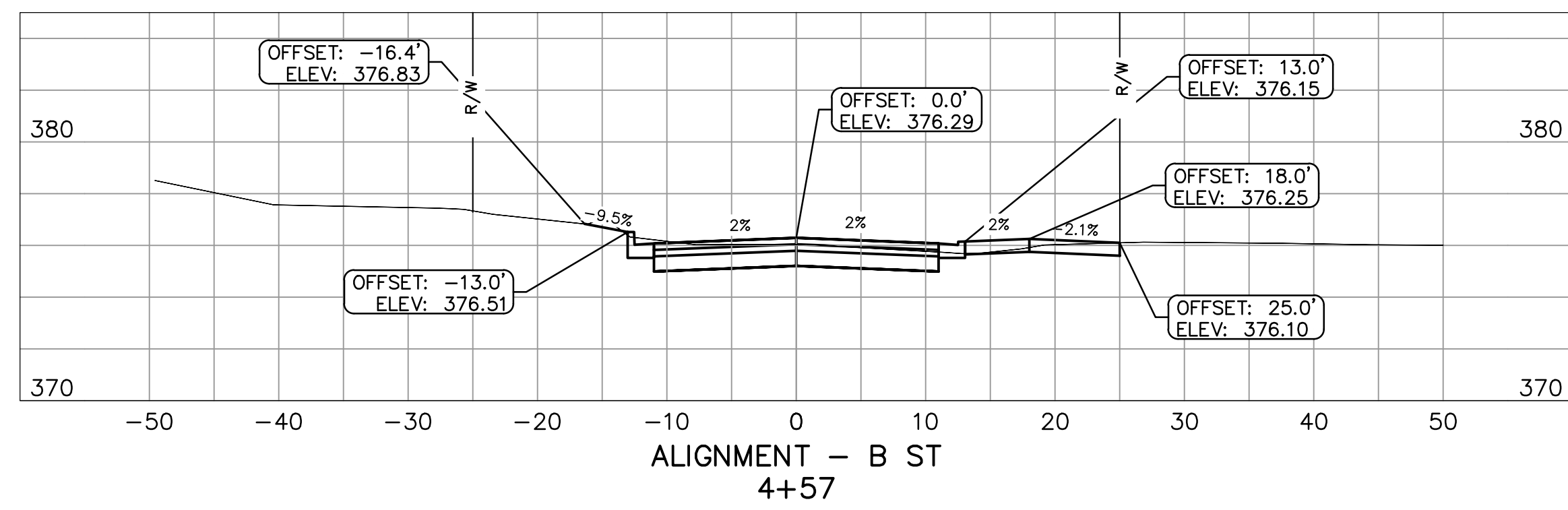
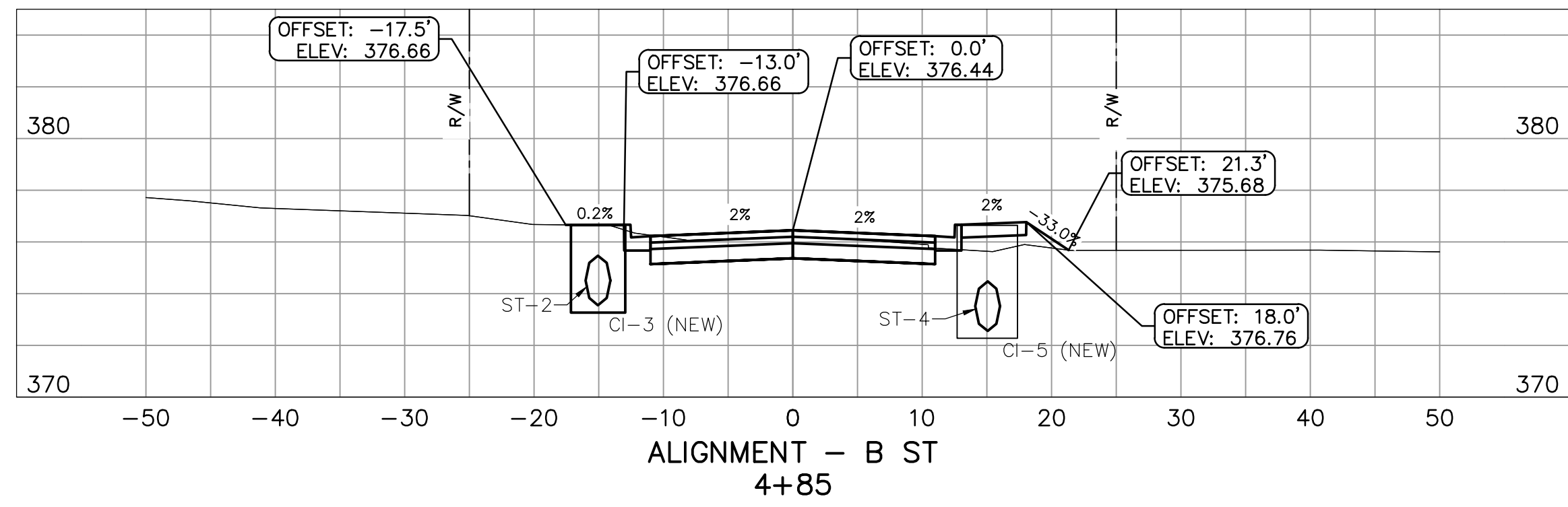
CITY OF LITTLE ROCK, ARKANSAS  
 B STREET RECONSTRUCTIONS  
 CROSS SECTIONS - I  
 90% REVIEW

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

PRELIMINARY

DRAWN BY  
 NHC & ATV  
 DESIGNED  
 NHC & VJW  
 CHECKED  
 VJW  
 DATE  
 05-31-2019  
 SCALE  
 1"=10' HZ : 1"=5' VT  
 PROJECT NO.  
 03-17-ST-156  
 SHEET NO.  
 C5

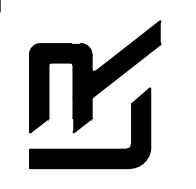




REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
B STREET CONSTRUCTIONS  
CROSS SECTIONS - II  
90% REVIEW

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



PRELIMINARY

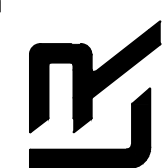
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NHC & ATV  
DESIGNED  
NHC & VJW  
CHECKED  
VJW  
DATE  
05-31-2019  
SCALE  
1"=10' HZ : 1"=5' VT  
PROJECT NO.  
03-17-ST-156  
SHEET NO.  
C6



REVISIONS	DATE

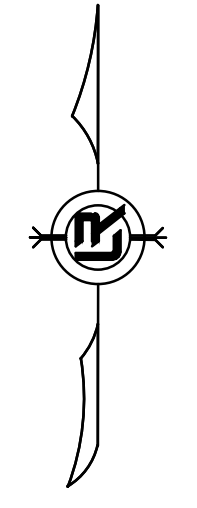
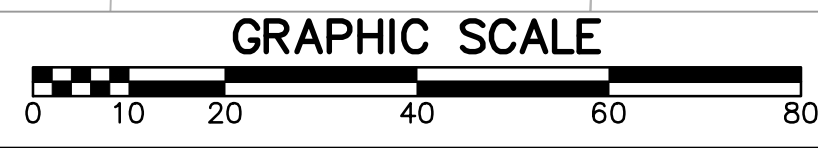
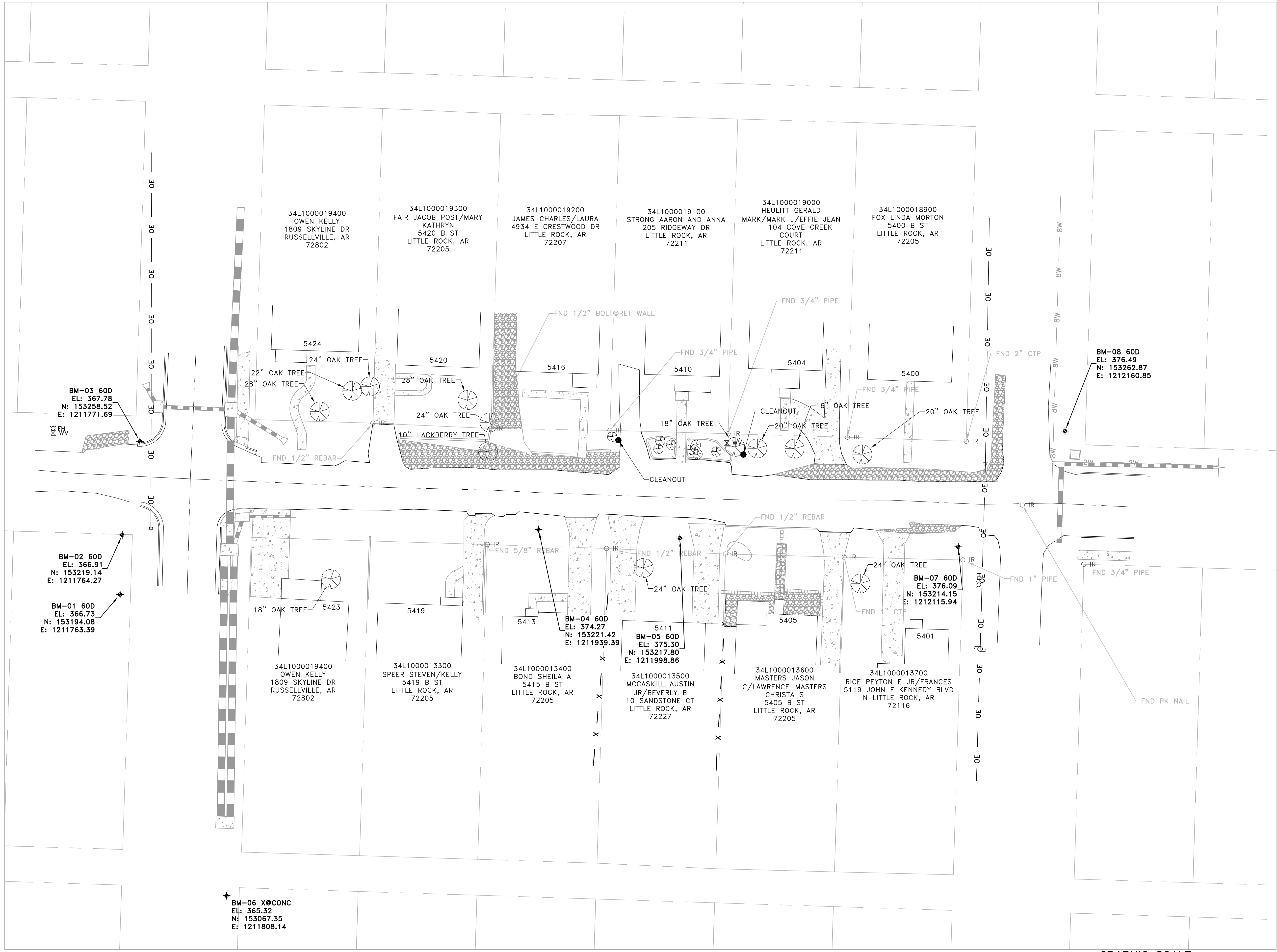
CITY OF LITTLE ROCK, ARKANSAS  
 B STREET IMPROVEMENTS  
 SURVEY CONTROL PLAN  
 90% REVIEW

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



PRELIMINARY

DRAWN BY  
 ATV  
 DESIGNED  
 VJW & NHC  
 CHECKED  
 VJW  
 DATE  
 05-31-2018  
 SCALE  
 1"=20' (22X34)  
 PROJECT NO.  
 03-17-ST-156  
 SHEET NO.  
 C7



BM-06 X@CONC  
 EL: 365.32  
 N: 153067.35  
 E: 1211808.14

BM-03 60D  
 EL: 367.78  
 N: 153258.52  
 E: 1211771.69

BM-02 60D  
 EL: 366.91  
 N: 153219.14  
 E: 1211764.27

BM-01 60D  
 EL: 366.73  
 N: 153194.08  
 E: 1211763.39

BM-04 60D  
 EL: 374.27  
 N: 153221.42  
 E: 1211939.39

BM-05 60D  
 EL: 375.30  
 N: 153217.80  
 E: 1211998.86

BM-07 60D  
 EL: 376.09  
 N: 153214.15  
 E: 1212115.94

BM-08 60D  
 EL: 376.49  
 N: 153262.87  
 E: 1212160.85

34L1000019400  
 OWEN KELLY  
 1809 SKYLINE DR  
 RUSSELLVILLE, AR  
 72802

34L1000019300  
 FAIR JACOB POST/MARY  
 KATHRYN  
 5420 B ST  
 LITTLE ROCK, AR  
 72205

34L1000019200  
 JAMES CHARLES/LAURA  
 4934 E CRESTWOOD DR  
 LITTLE ROCK, AR  
 72207

34L1000019100  
 STRONG AARON AND ANNA  
 205 RIDGEWAY DR  
 LITTLE ROCK, AR  
 72211

34L1000019000  
 HEULITT GERALD  
 MARK/MARK J/EFFIE JEAN  
 104 COVE CREEK  
 COURT  
 LITTLE ROCK, AR  
 72211

34L1000018900  
 FOX LINDA MORTON  
 5400 B ST  
 LITTLE ROCK, AR  
 72205

34L1000019400  
 OWEN KELLY  
 1809 SKYLINE DR  
 RUSSELLVILLE, AR  
 72802

34L1000013300  
 SPEER STEVEN/KELLY  
 5419 B ST  
 LITTLE ROCK, AR  
 72205

34L1000013400  
 BOND SHEILA A  
 5415 B ST  
 LITTLE ROCK, AR  
 72205

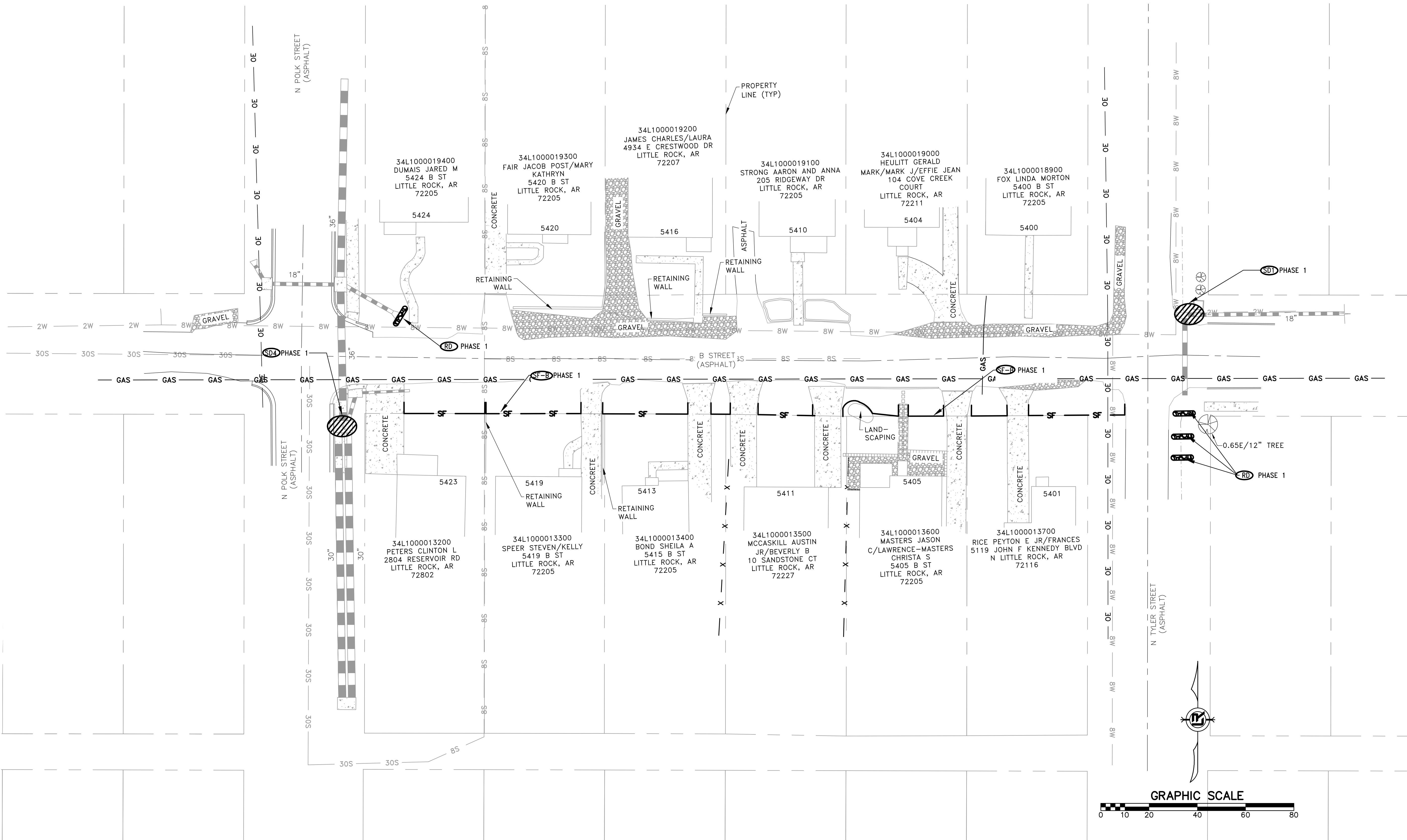
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 JR/BEVERLY B  
 10 SANDSTONE CT  
 LITTLE ROCK, AR  
 72227

34L1000013600  
 MASTERS JASON  
 C/LAWRENCE-MASTERS  
 CHRISTA S  
 5405 B ST  
 LITTLE ROCK, AR  
 72205

34L1000013700  
 RICE PEYTON E JR/FRANCES  
 5119 JOHN F KENNEDY BLVD  
 N LITTLE ROCK, AR  
 72116



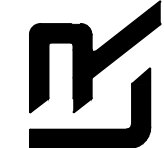
**PHASING LEGEND**  
 PHASE 1 (INITIAL STRIP AND DEMOLITION)



REVISIONS	DATE

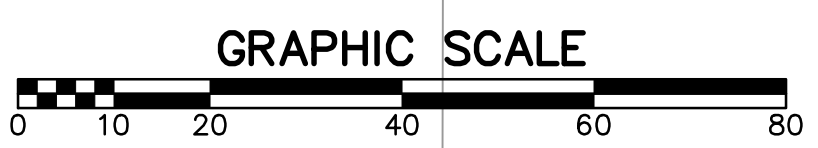
**CITY OF LITTLE ROCK, ARKANSAS**  
**B STREET RECONSTRUCTIONS**  
 EROSION CONTROL PLAN - PHASE 1  
 90% REVIEW

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



**PRELIMINARY**

**DRAWN BY**  
 ATV  
**DESIGNED**  
 NCH  
**CHECKED**  
 VJW  
**DATE**  
 05-31-2019  
**SCALE**  
 1"=20' (22X34)  
**PROJECT NO.**  
 03-17-ST-156  
**SHEET NO.**  
 C8



**PHASING LEGEND**  
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

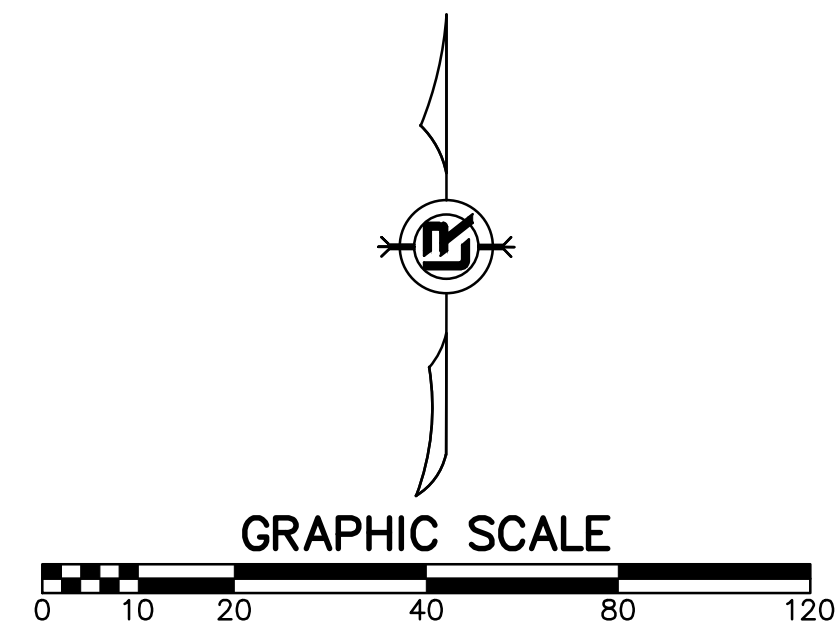
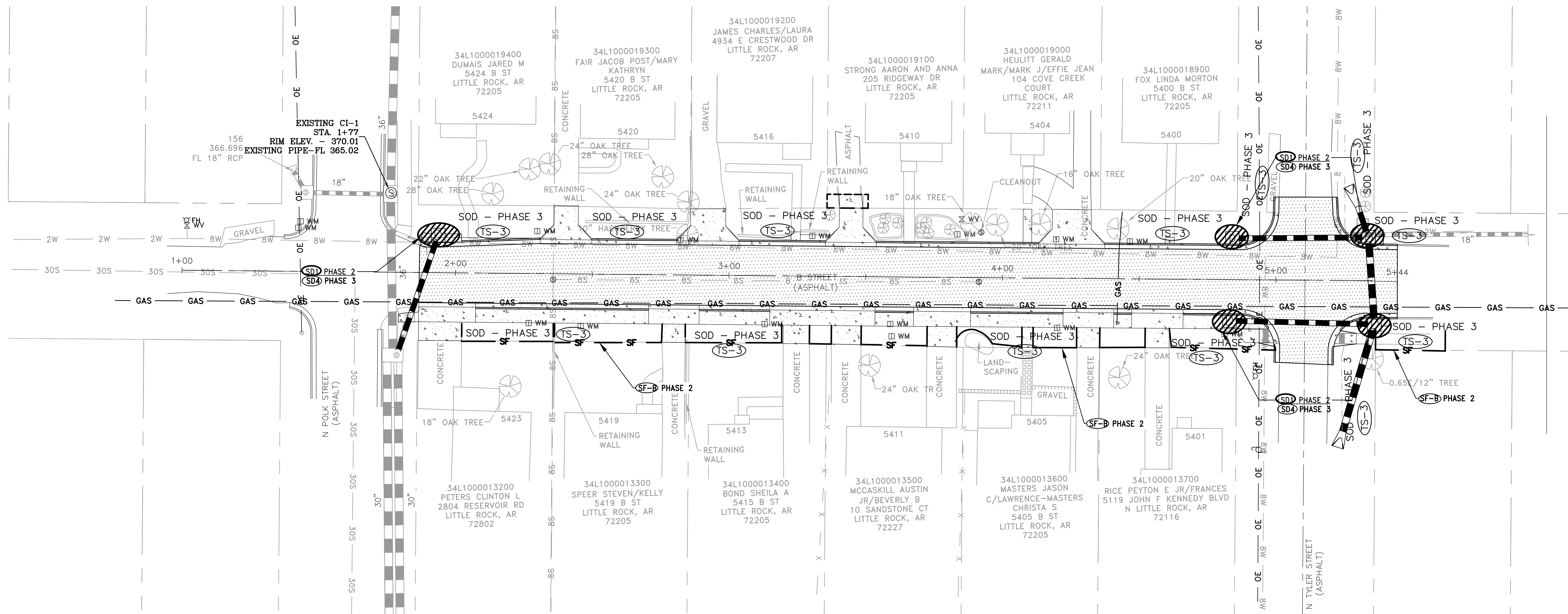
**CITY OF LITTLE ROCK, ARKANSAS**  
**B STREET RECONSTRUCTION**  
 EROSION CONTROL PLAN - PHASES 2 AND 3  
 90% REVIEW

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

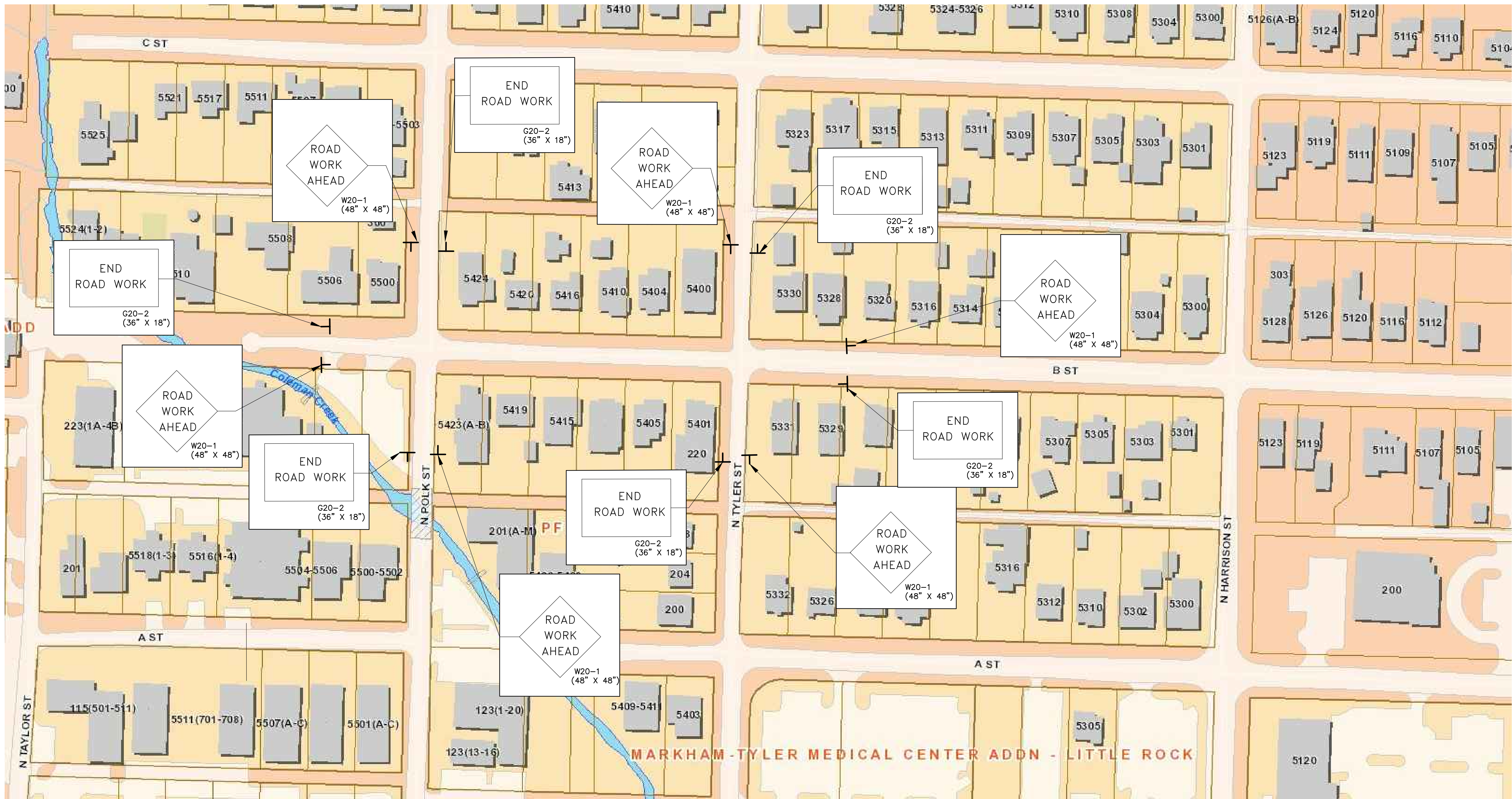


PRELIMINARY

**DRAWN BY**  
 NHC & ATV  
**DESIGNED**  
 NHC & VJW  
**CHECKED**  
 VJW  
**DATE**  
 05-31-2019  
**SCALE**  
 1"=20' (22X34)  
**PROJECT NO.**  
 03-17-ST-156  
**SHEET NO.**  
 C9



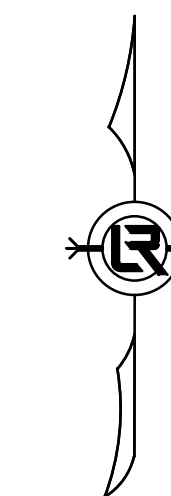




**MAINTENANCE OF TRAFFIC NOTES:**

WITHIN CONSTRUCTION LIMITS CONTRACTOR SHALL:

1. MAINTAIN CONTINUOUS VEHICULAR ACCESS TO ALL RESIDENCES.
2. PROVIDE, INSTALL, AND MAINTAIN (INCLUDING RELOCATION AS NEEDED) ALL TRAFFIC CONTROL DEVICES.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**B STREET RECONSTRUCTION**  
 MAINTENANCE OF TRAFFIC PLAN  
 90% REVIEW SET

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY NHC
DESIGNED NHC
CHECKED VJW
DATE 5-31-2019
SCALE N.T.S.
PROJECT NO. 03-17-ST-156
SHEET NO. <b>C10</b>