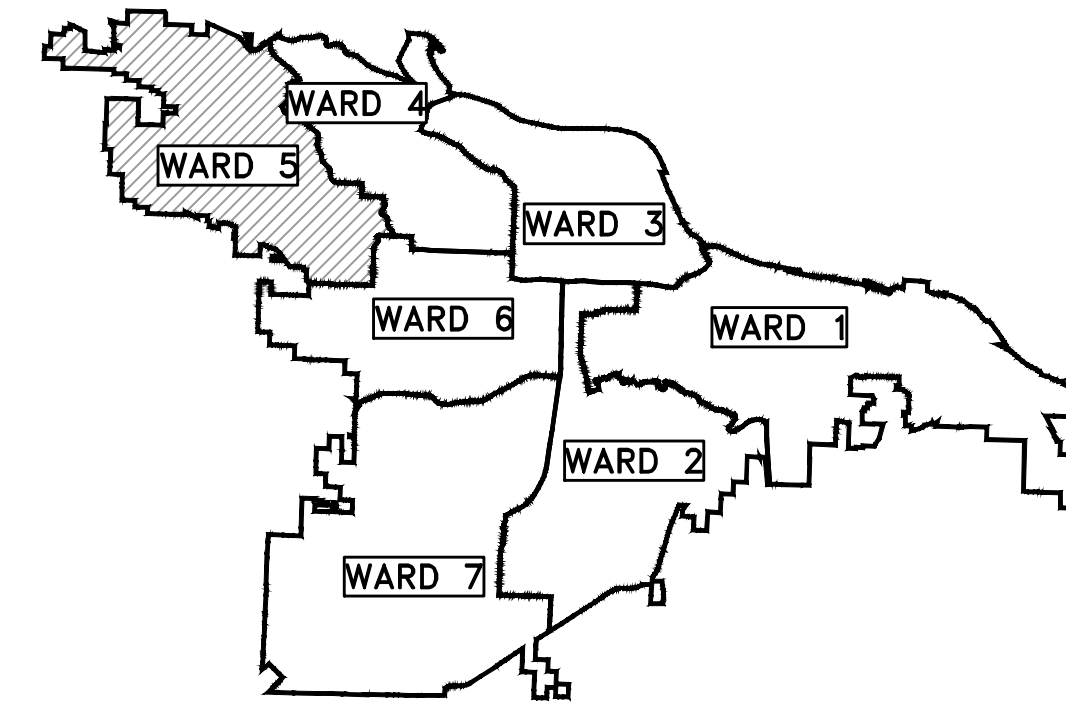


GAMBLE RD

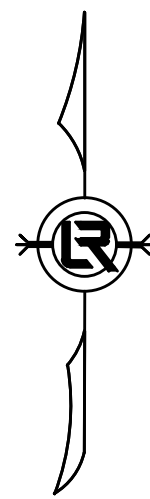
16-5-ST-15

WARD 5

KANIS RD TO ARTHUR LN

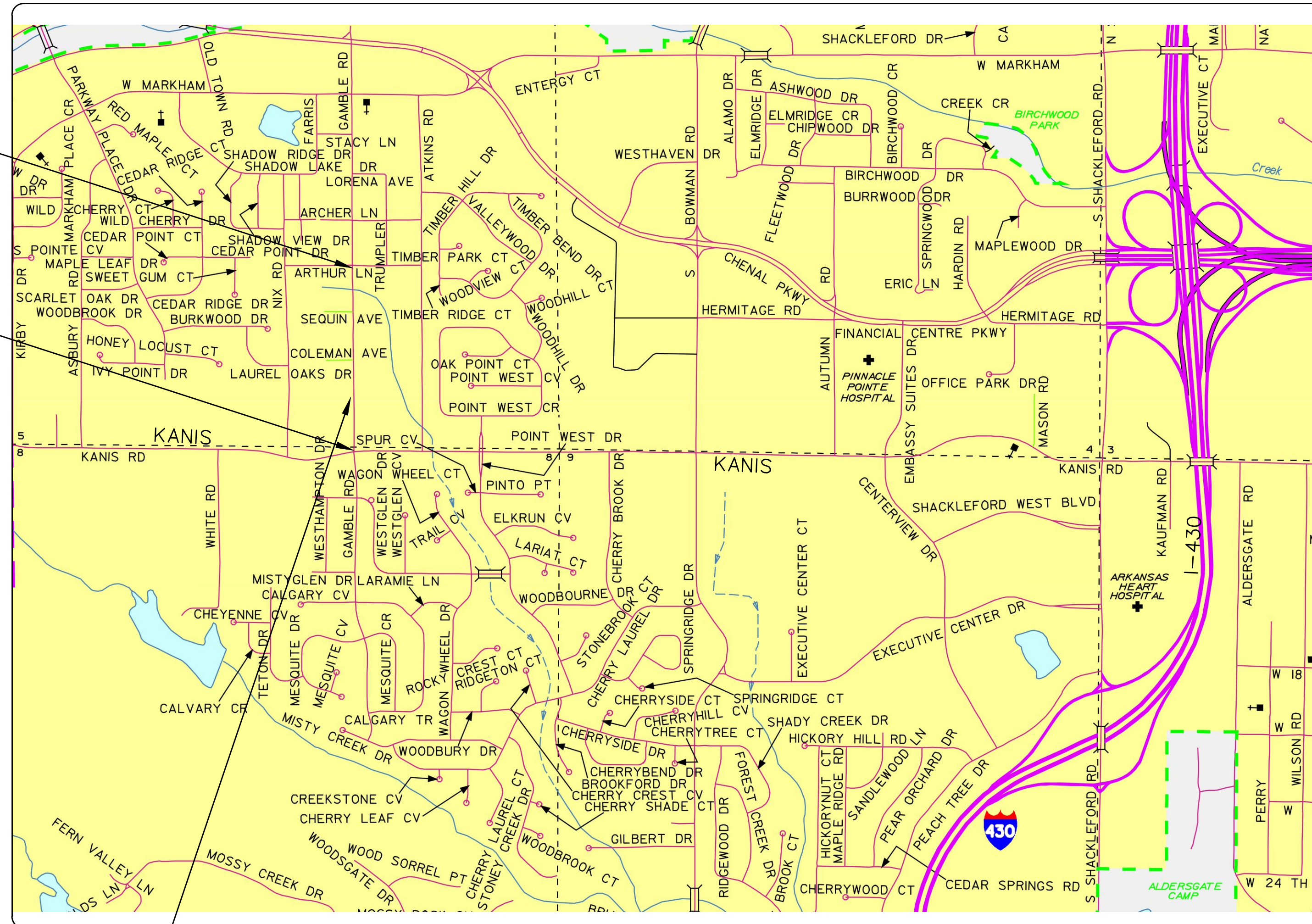


PROJECT LOCATION - WARD 5



END PROJECT
STA. 27+38

START PROJECT
STA. 10+00



PROJECT
LOCATION

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



THIS PLAN SET INCORPORATES REVISIONS
FROM ADDENDUM 1 (3/4/2020) AND FROM
ADDENDUM 3 (3/12/2020)

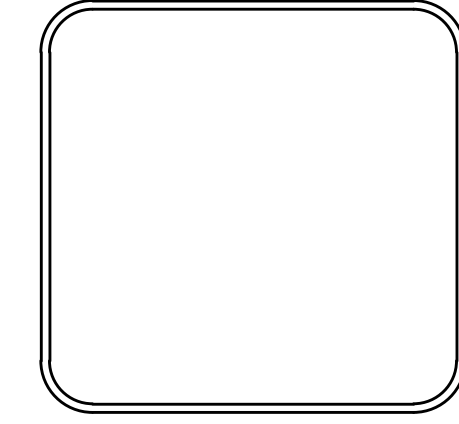
SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND
C3	CONSTRUCTION SECTIONS
C4	PLAN & PROFILE STA. 10+00 TO STA. 12+50
C5	PLAN & PROFILE STA. 12+50 TO STA. 15+00
C6	PLAN & PROFILE STA. 15+00 TO STA. 17+50
C7	PLAN & PROFILE STA. 17+50 TO STA. 20+00
C8	PLAN & PROFILE STA. 20+00 TO STA. 22+50
C9	PLAN & PROFILE STA. 22+50 TO STA. 25+00
C10	PLAN & PROFILE STA. 25+00 TO STA. 27+38
C11	DRIVEWAY 1
C12	DRIVEWAY 2
C13	DRIVEWAY 3
C14	DRIVEWAY 4
C15	DRIVEWAY 5
C16	SEGMENTAL RETAINING WALLS
C17	SOUTH RETAINING WALL DETAILS
C18	NORTH RETAINING WALL DETAILS
C19	EROSION CONTROL 1
C20	EROSION CONTROL 2
C21	EROSION CONTROL 3
C22	EROSION CONTROL 4
C23	CROSS SECTION 1
C24	CROSS SECTION 2
C25	CROSS SECTION 3
C26	CROSS SECTION 4
C27	CROSS SECTION 5
C28	CROSS SECTION 6
C29	CROSS SECTION 7
C30	CROSS SECTION 8
C31	CROSS SECTION 9
C32	CROSS SECTION 10
C33	CROSS SECTION 11
C34	CROSS SECTION 12
C35	CROSS SECTION 13
C36	CROSS SECTION 14
C37	CROSS SECTION 15
C38	CROSS SECTION 16
C39	CROSS SECTION 17
C40	CROSS SECTION 18

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
COVER SHEET

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



DRAWN BY
ZR
DESIGNED
RH
CHECKED
RH
DATE
2019-11-19
SCALE
N.T.S.
PROJECT NO.
16-5-ST-15
SHEET NO.
C1

CENTRAL ARKANSAS ENGINEERING
A PROFESSIONAL LIMITED LIABILITY COMPANY
CIVIL ENGINEERING | SURVEYING | GIS
1012 AUTUMN ROAD, SUITE #2 | LITTLE ROCK, ARKANSAS 72211
OFFICE: 501.227.4459 | FAX: 501.227.3820 | EMAIL: CAENGR@SBCGLOBAL.NET
www.CentralArkansasEngineering.com

REVISIONS	DATE

100% SUBMITTAL

CLR PROJECT #16-5-ST-15			
GAMBLE ROAD			
20-04-2020			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	Site Preparation	L.S.	1
3.01	Unclassified Excavation	C.Y.	5,150
3.02	Compacted Embankment	C.Y.	1,350
3.06	Borrow Material	C.Y.	300
4.01	Aggregate Base Course Class 7	TON	1,500
6.01	Asphalt Surface Course	TON	600
7.04	Concrete Driveway (6" Thick), Standard Finish	S.F.	8,600
8.03	Concrete Curb and Gutter (Class 3)	L.F.	2,175
9.04	Concrete Sidewalk (4" Thick)	S.F.	5,500
9.05	Curb Inlets 4'x4'	EA	6
9.07	Curb Inlets 6'x4'	EA	2
9.09	Curb Inlet 6'x6'	EA	1
10.07	3' Wing Extension	EA	13
13.18C	Storm Drain Pipe 18" Cross Drain	L.F.	122
13.18S	Storm Drain Pipe 18" Side Drain	L.F.	129
13.24C	Storm Drain Pipe 24" Cross Drain	L.F.	30
13.24	Storm Drain Pipe 24" Side Drain	L.F.	205
13.30C	Storm Drain Pipe 30" Cross Drain	L.F.	30
13.30S	Storm Drain Pipe 30" Side Drain	L.F.	33
14.01	Solid Sodding (Bermuda)	S.Y.	3,000
16.01	Maintenance of Traffic	L.S.	1
18.50	Access Ramp	S.F.	800
18.55	Water for Dust Control	GAL	1,000
19.01	Final Cleanup	L.S.	1
22.10	Mailbox Relocation	EA	5
22.15	Mailbox Relocation Brick	EA	10
24.02	Check Dam (CD)	C.Y.	20
24.09	Sediment Barrier, Block (SD4)	EA	9
24.11	Silt Fence - Type A (SFA)	L.F.	4,000
24.14	Storm Drain Outlet Protection (ST)	EA	9
24.17	Disturbed Area Stabilization - Temporary Grassing (TS2)	AC	1
24.18	Disturbed Area Stabilization - Permanent Grassing (TS3)	AC	1
30.18	Flared End Section 18"	EA	1
30.30	Flared End Section 30"	EA	1
726.01	Standard Sign	S.F.	54.0
729.01	Channel Post Sign Support (Type C)	EA	1.0

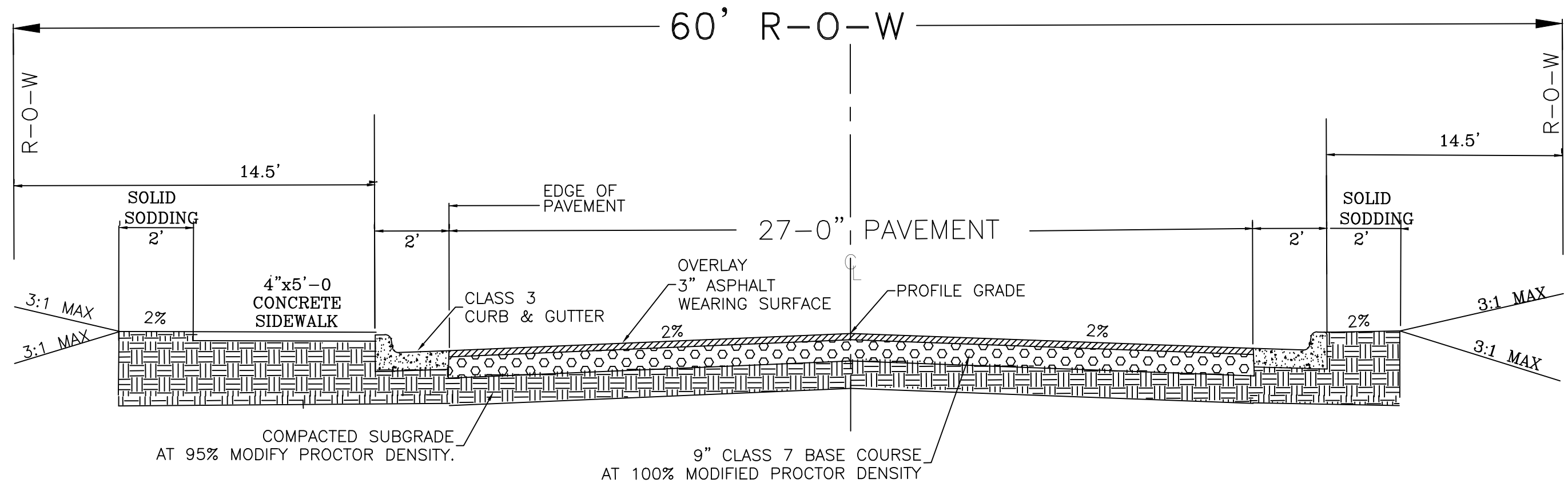
EXISTING	PROPOSED
IRON ROD	○ IR
PK NAIL	○ PK
R.R. SPIKE	○ RR(Sp)
CONC. MONUMENT	□ CM
WATER VALVE	⊗ WV
WATER METER	⊞ WM
FIRE HYDRANT	⊞ FH
GAS METER	⊞ GM
GAS VALVE	⊗ GV
CLEAN-OUT	○ CO
GUARD POST (BOLLARD)	● GP
SIGN POST	—
BENCHMARK	⊕
STORM SEWER MANHOLE	⊙
SANITARY SEWER MANHOLE	⊙ S
TELEPHONE MANHOLE	⊙ T
ELECTRIC MANHOLE	⊙ E
TELEPHONE BOX	⊞
ELECTRIC BOX	⊞
CABLE BOX	⊞
UTILITY POLE	⊞
GUY WIRE	—
LIGHT POLE	⊙
POST OR POLE (TYPE AS NOTED)	⊙
MAILBOX	⊞
DECIDUOUS TREE	⊙
EVERGREEN/CONIFEROUS TREE	⊙
BUSH	⊙
PROPERTY LINE	—
SETBACK LINE	—
EASEMENT LINE	—
CURB	—
FENCE	—
OVERHEAD UTILITY	—
UNDERGROUND TELEPHONE	—
UNDERGROUND ELECTRIC	—
WATER LINE	—
SEWER LINE	—
GAS LINE	—
STORM SEWER/CULVERT	—
CONTOUR LINE	—

CONTOUR	25.00
SPOT ELEVATION	25.50
SPOT CURB ELEVATION	25.00
STORM SEWER - PIPE	—
STORM SEWER - MITERED END SECTION	—
STORM SEWER - GRATE INLET	—
STORM SEWER - JUNCTION BOX	—
STORM SEWER - FLARED END SECTION	—
STORM SEWER - HEADWALL	—
STORM SEWER - INLET WITH SINGLE EXTENSION	—
STORM SEWER - INLET WITH DOUBLE EXTENSION	—
STORM SEWER - AREA INLET	—
GRADE BREAK LINE	—
HIGH POINT	HP
LOW POINT	LP
CUT LINE	—
FILL LINE	—
SANITARY SEWER PIPE	—
SANITARY SEWER MANHOLE	—
CURB	—
CONCRETE	—
CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILT FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATting/BLANKETS	Mb

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
LEGEND

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

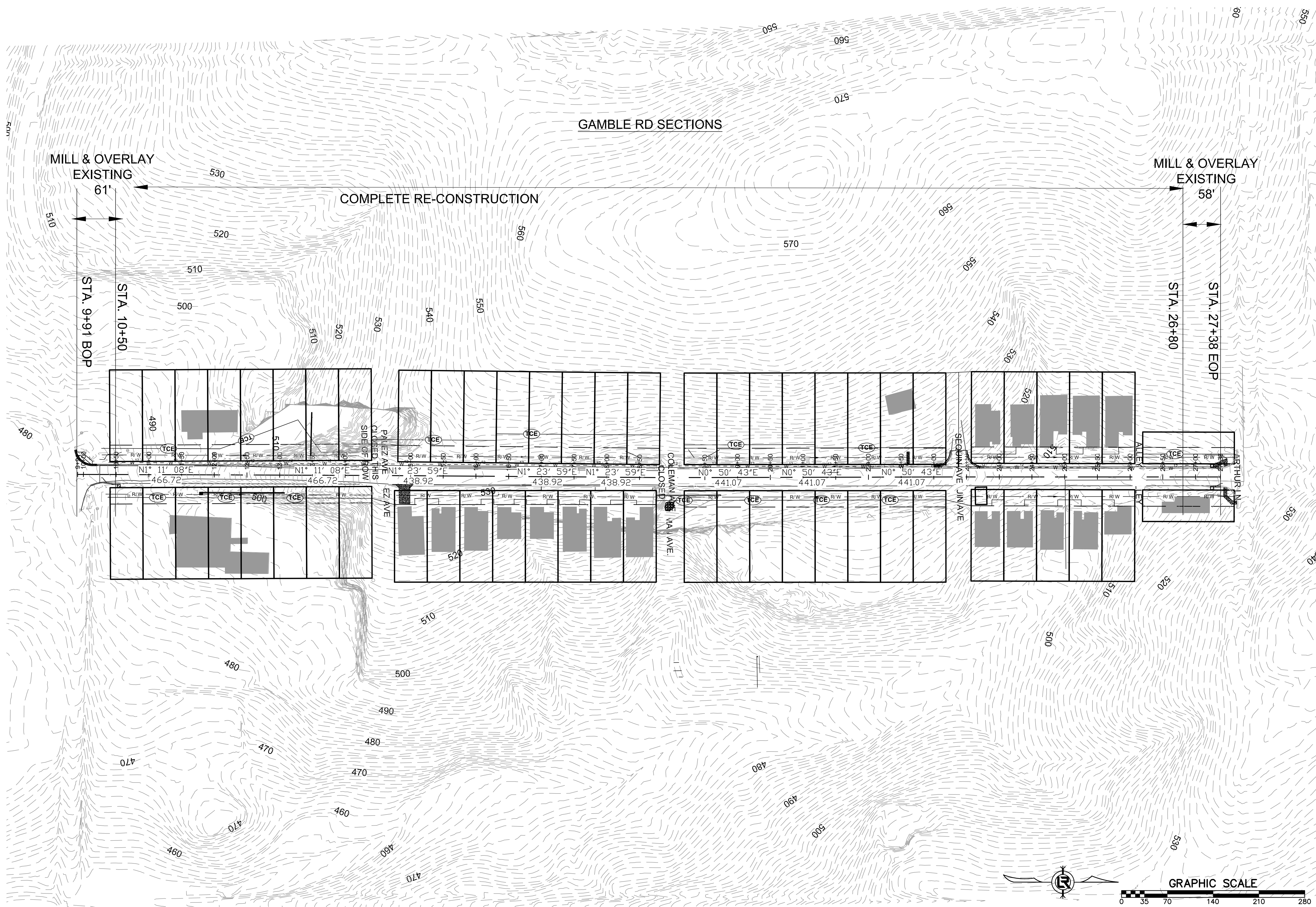
TYP SECTION STA 13+12 TO STA 17+75



GENERAL NOTES

1. IN AREAS TO RECEIVE BITUMINOUS PAVING, CONCRETE DRIVEWAYS, OR CURB AND GUTTER, SUBGRADE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OF MAXIMUM DENSITY OBTAINED AT OPTIMUM MOISTURE CONTENT. (AASHTO T-180)
2. FOR AREAS OF SUBGRADE PREPARATION TO RECEIVE CONCRETE SIDEWALKS, SUBGRADE SHALL BE COMPACTED TO A DENSITY OF 90% MAXIMUM. (AASHTO T-180).
3. CRUSHED STONE - MATERIAL IN EACH COURSE SHALL BE COMPACTED TO A DENSITY OF 100% MAXIMUM (AASHTO T-191).
4. CENTERLINE PROFILE WILL REQUIRE HEIGHT GREATER THAN CURB FOR SOME STREETS TO MAINTAIN 2% MINIMUM CROSS-SLOPE.

DRAWN BY	ZR
DESIGNED	RH
CHECKED	RH
DATE	2019-11-19
SCALE	
PROJECT NO.	16-5-ST-15
SHEET NO.	C2


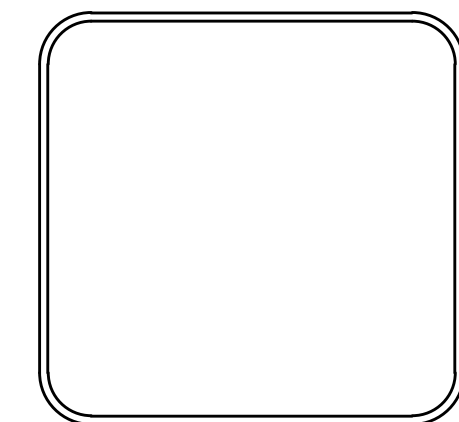


REVISIONS	DATE

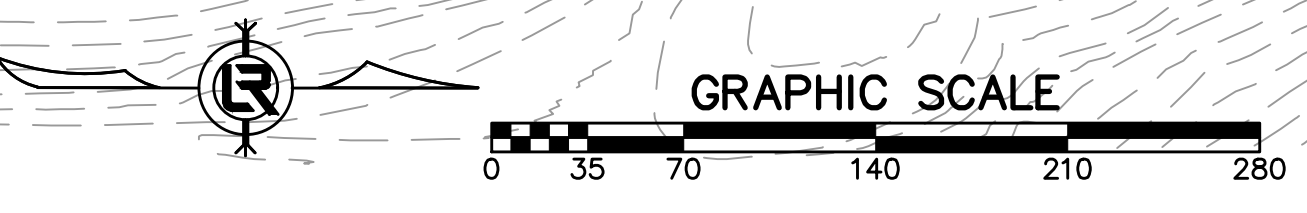
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 CONSTRUCTION SECTIONS

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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C3




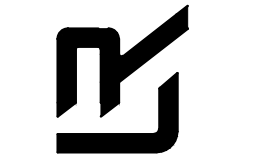
REVISED PER ADDENDUM 3,
3/12/2020

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 PLAN - PROFILE
 STA. 10+00 TO STA. 12+50

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

DRAWN BY
ZR

DESIGNED
RH

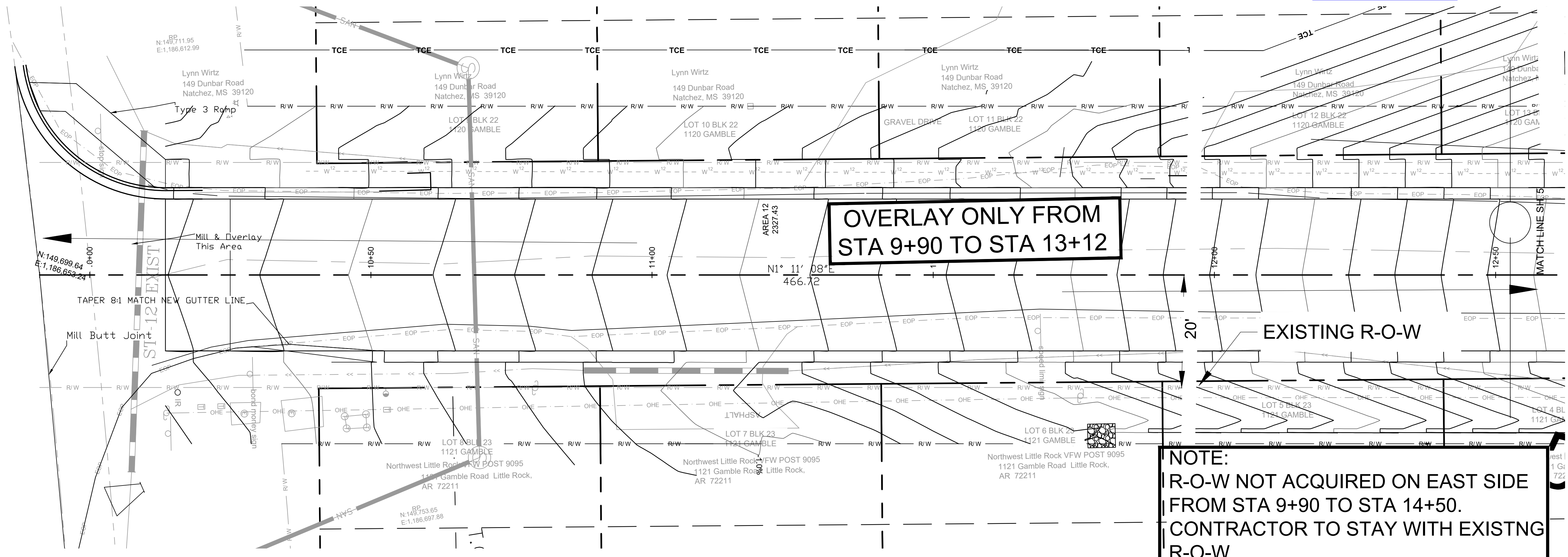
CHECKED
RH

DATE
2019-11-19

SCALE
H: 1"=10'
V: 1"=5'

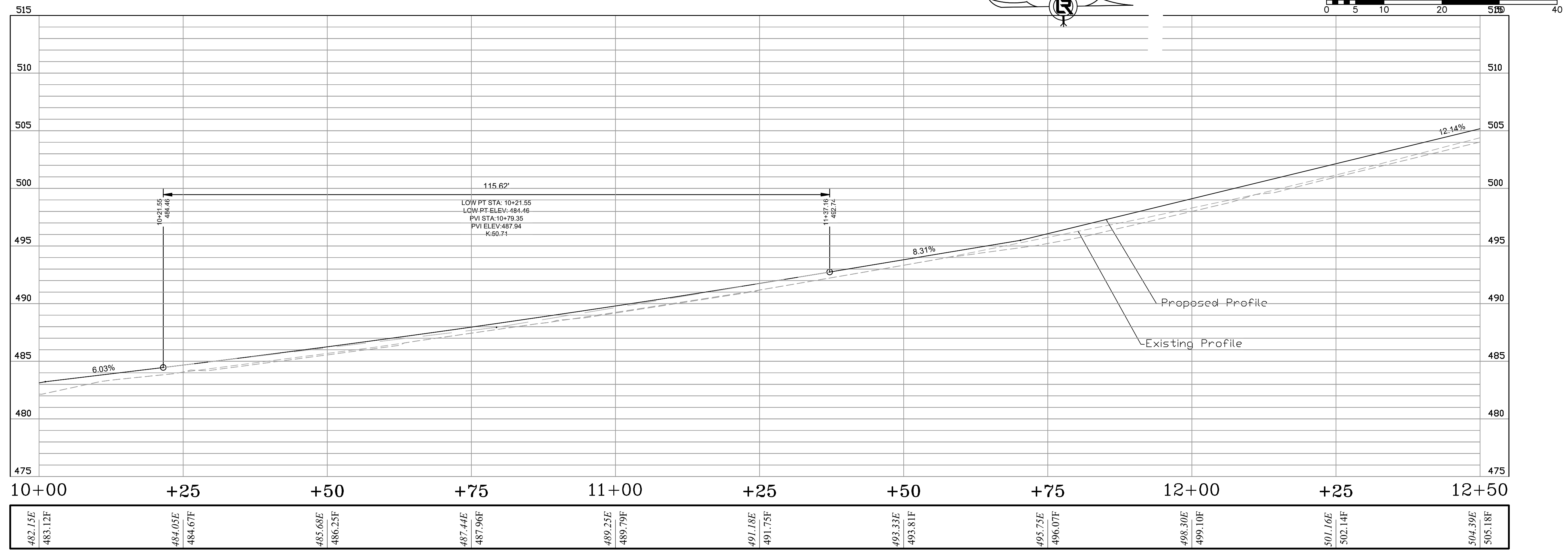
PROJECT NO.
16-5-ST-15

SHEET NO.
C4



**OVERLAY ONLY FROM
STA 9+90 TO STA 13+12**

NOTE:
R-O-W NOT ACQUIRED ON EAST SIDE
FROM STA 9+90 TO STA 14+50.
CONTRACTOR TO STAY WITH EXISTING
R-O-W.



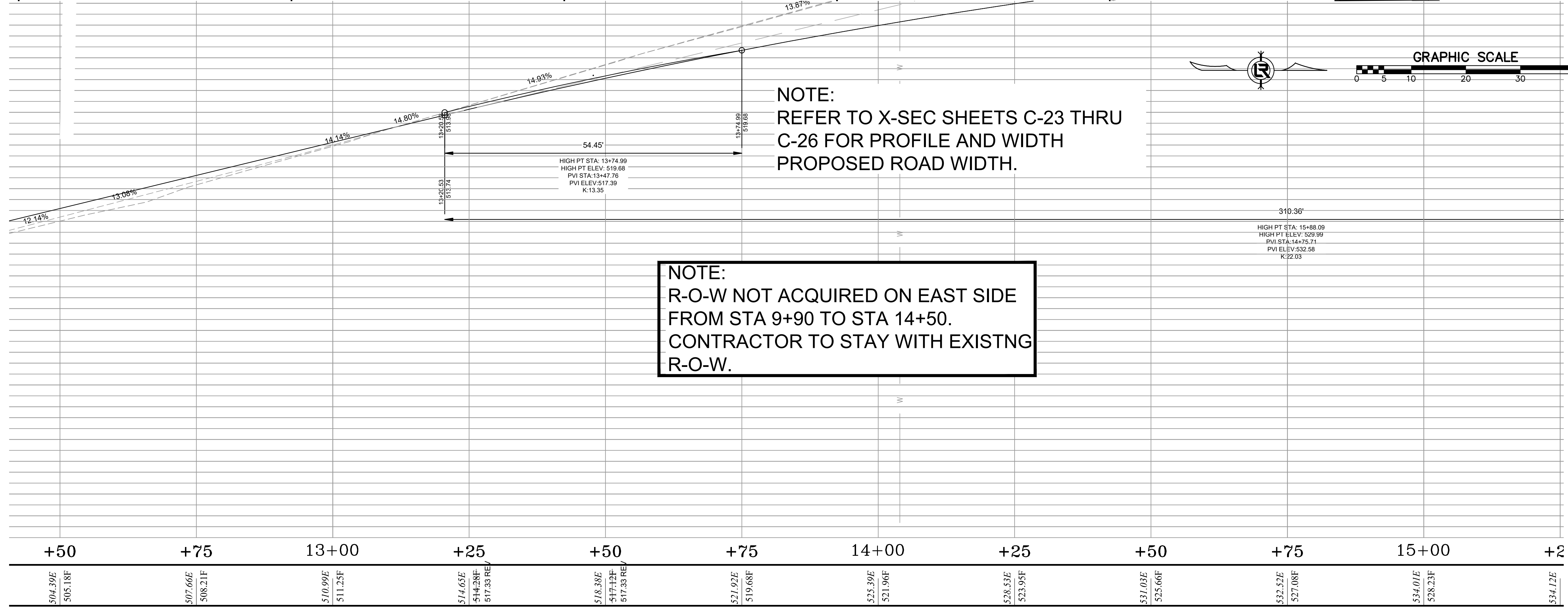
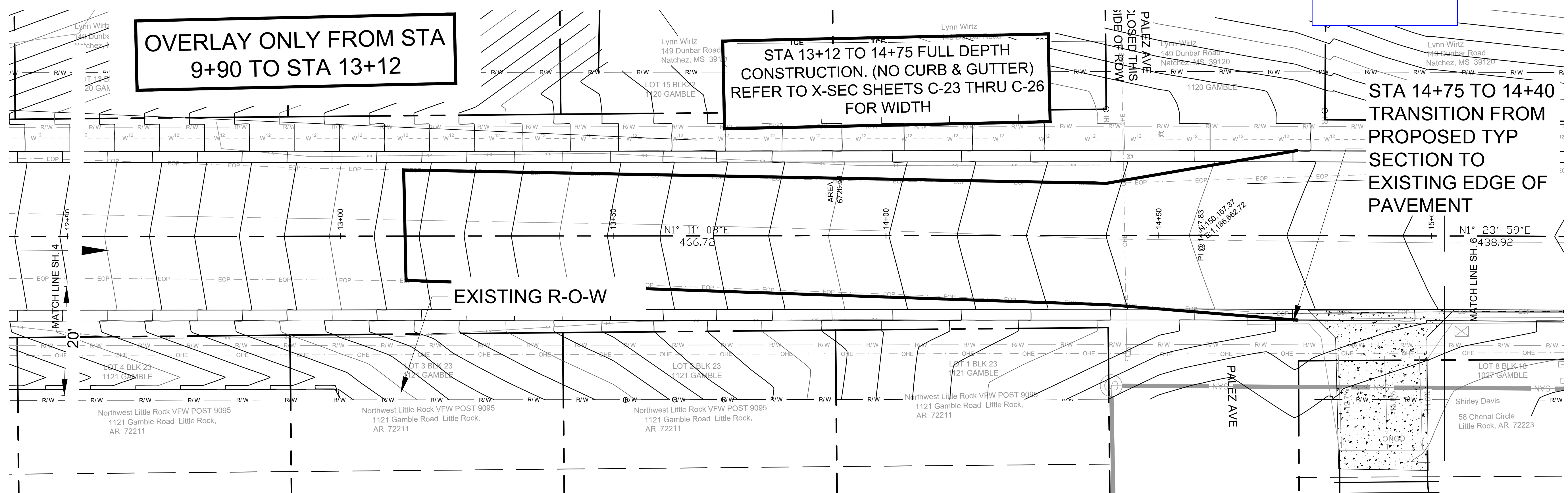
GAMBLE ROAD (2)

REVISED PER ADDENDUM 3,
3/12/2020

**OVERLAY ONLY FROM STA
9+90 TO STA 13+12**

**STA 13+12 TO 14+75 FULL DEPTH
CONSTRUCTION. (NO CURB & GUTTER)
REFER TO X-SEC SHEETS C-23 THRU C-26
FOR WIDTH**


**STA 14+75 TO 14+40
TRANSITION FROM
PROPOSED TYP
SECTION TO
EXISTING EDGE OF
PAVEMENT**



REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
PLAN - PROFILE
STA. 12+50 TO STA. 15+00


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

DRAWN BY
ZR
DESIGNED
RH
CHECKED
RH
DATE
2019-11-19
SCALE
H: 1"=10'
V: 1"=5'
PROJECT NO.
16-5-ST-15
SHEET NO.
C5

REVISIONS DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

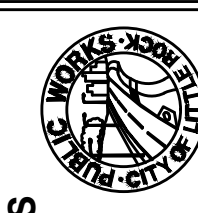
PLAN - PROFILE
STA. 15+00 TO STA. 17+50

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



DRAWN BY

ZR

DESIGNED

RH

CHECKED

RH

DATE

2019-11-19

SCALE

H: 1"=10'

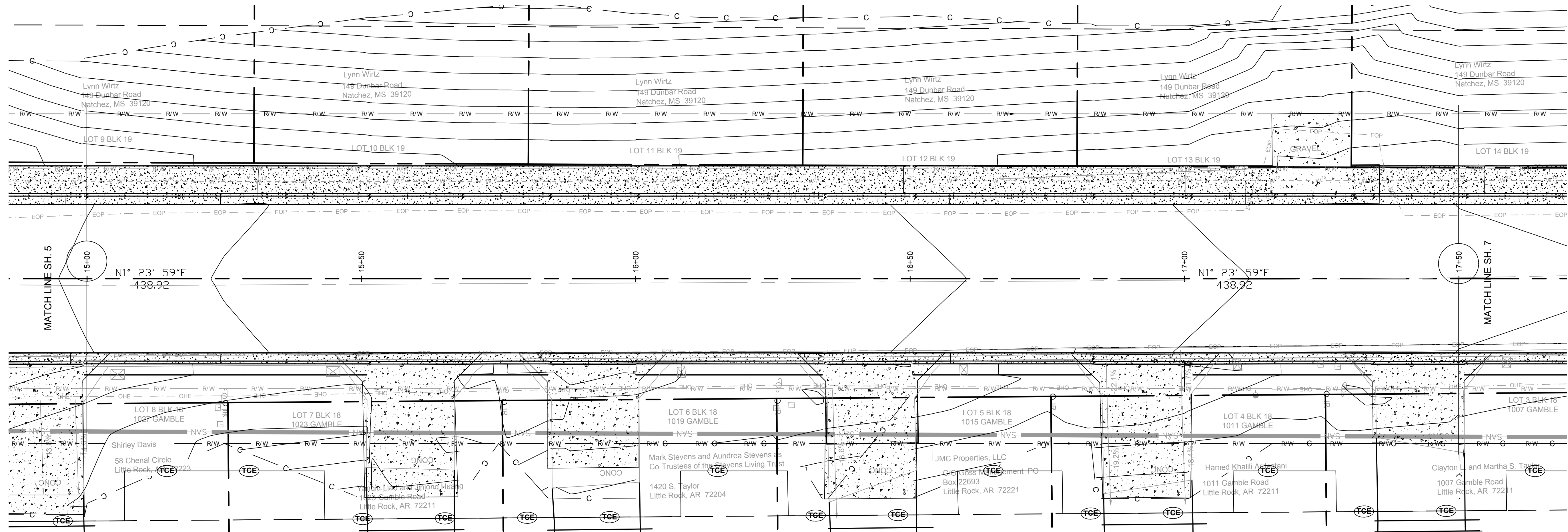
V: 1"=5'

PROJECT NO.

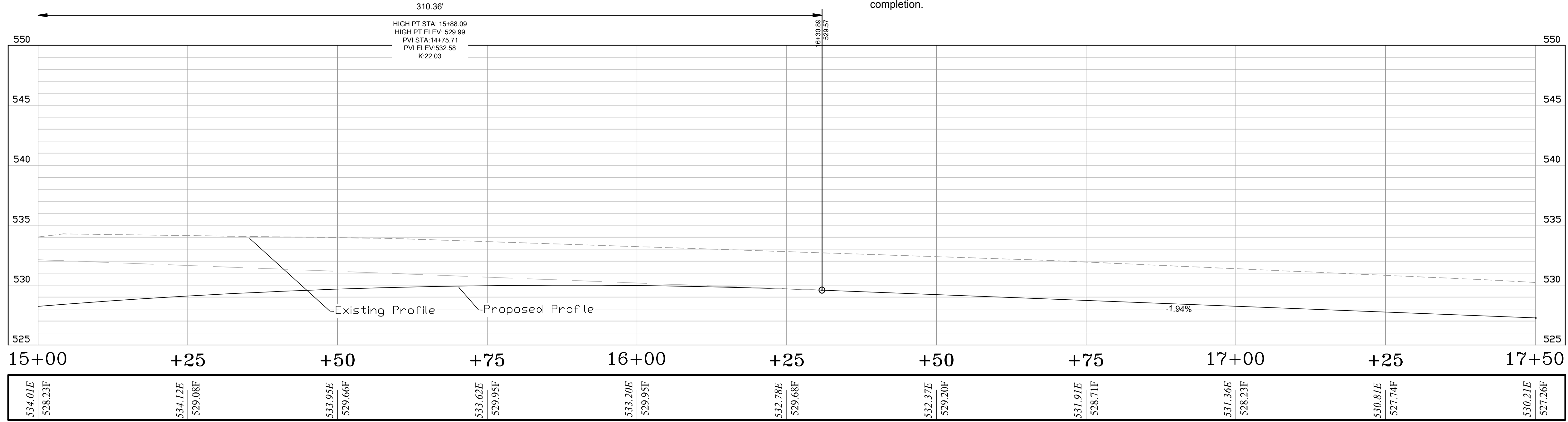
19-11-36

SHEET NO.

C6



Property owners indicate they have existing sprinkler systems which may be affected by proposed construction. It shall be the responsibility of the contractor to locate any sprinkler system components and relocate and repair to clear the proposed construction and demonstrate their proper function prior to project completion.



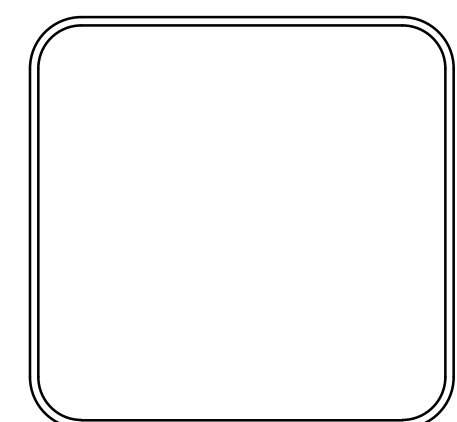
GAMBLE ROAD

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 PLAN - PROFILE
STA. 12+50 TO STA. 15+00

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



DRAWN BY
ZR

DESIGNED
RH

CHECKED
RH

DATE
2019-11-19

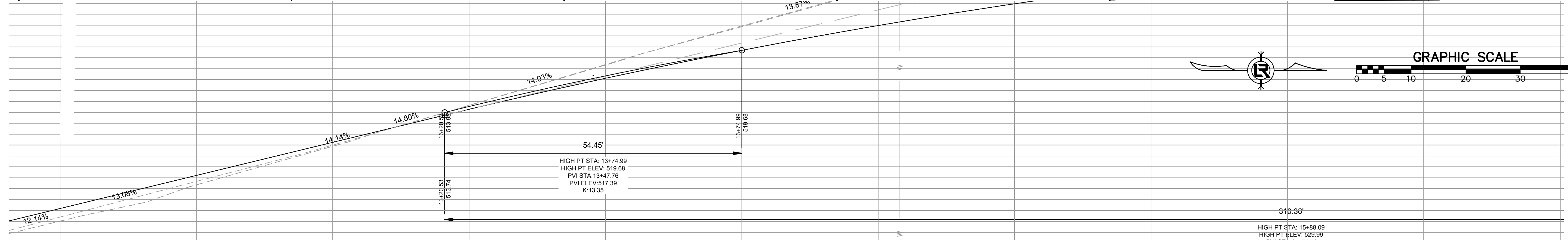
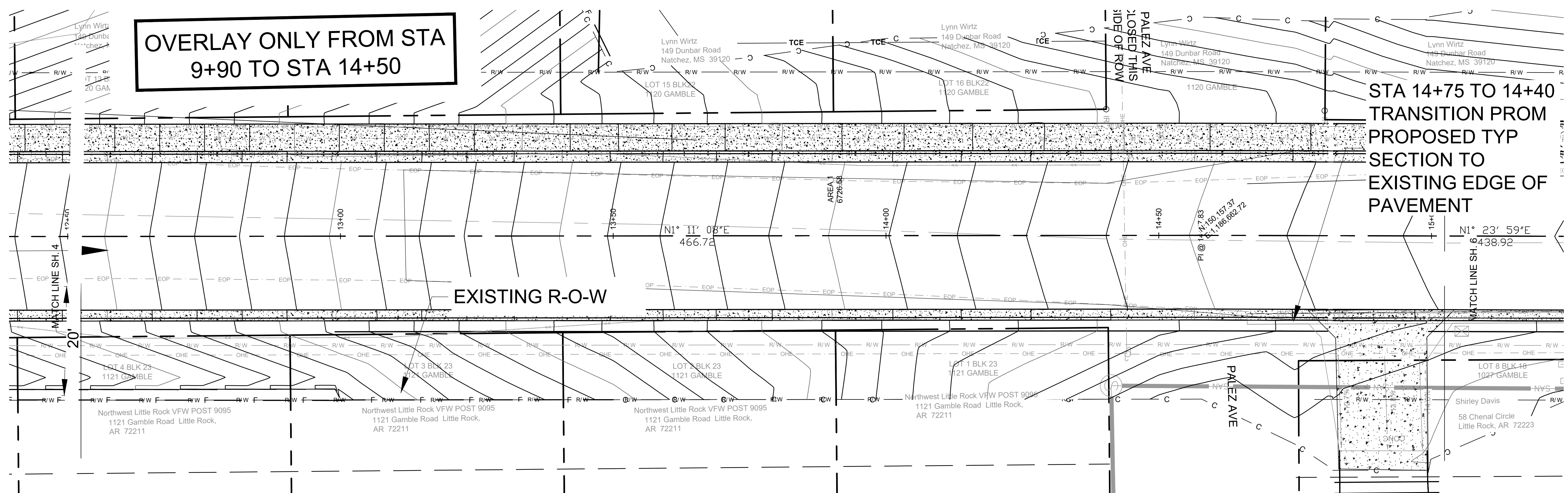
SCALE
H: 1"=10'
V: 1"=5'

PROJECT NO.
16-5-ST-15

SHEET NO.
C5

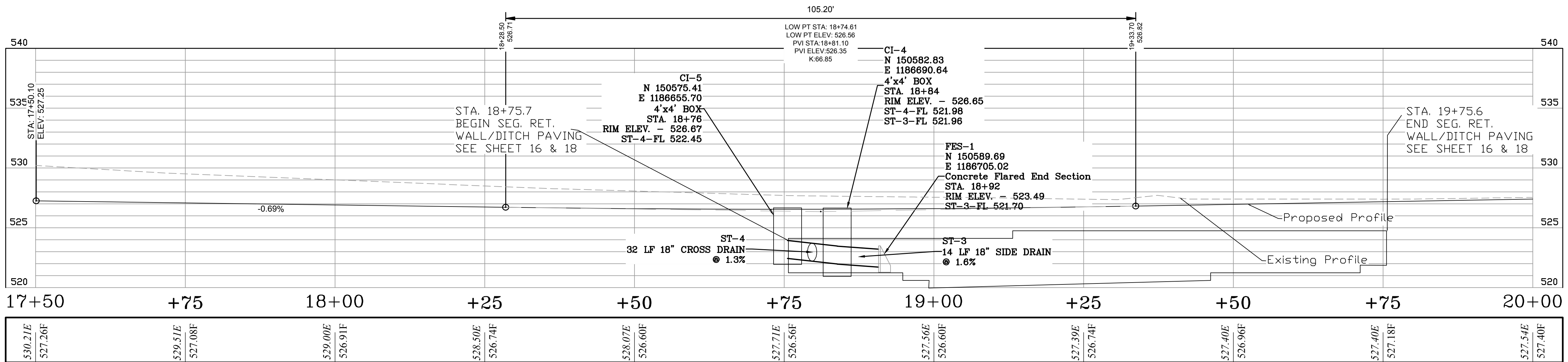
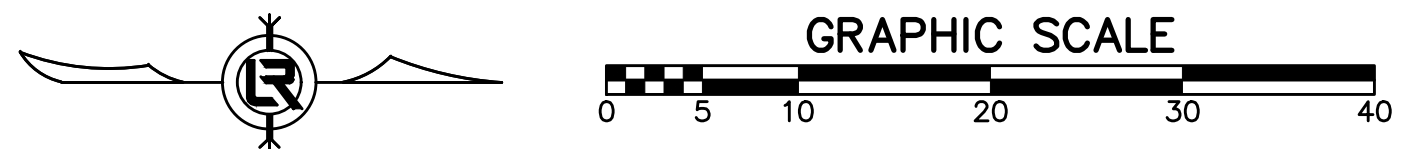
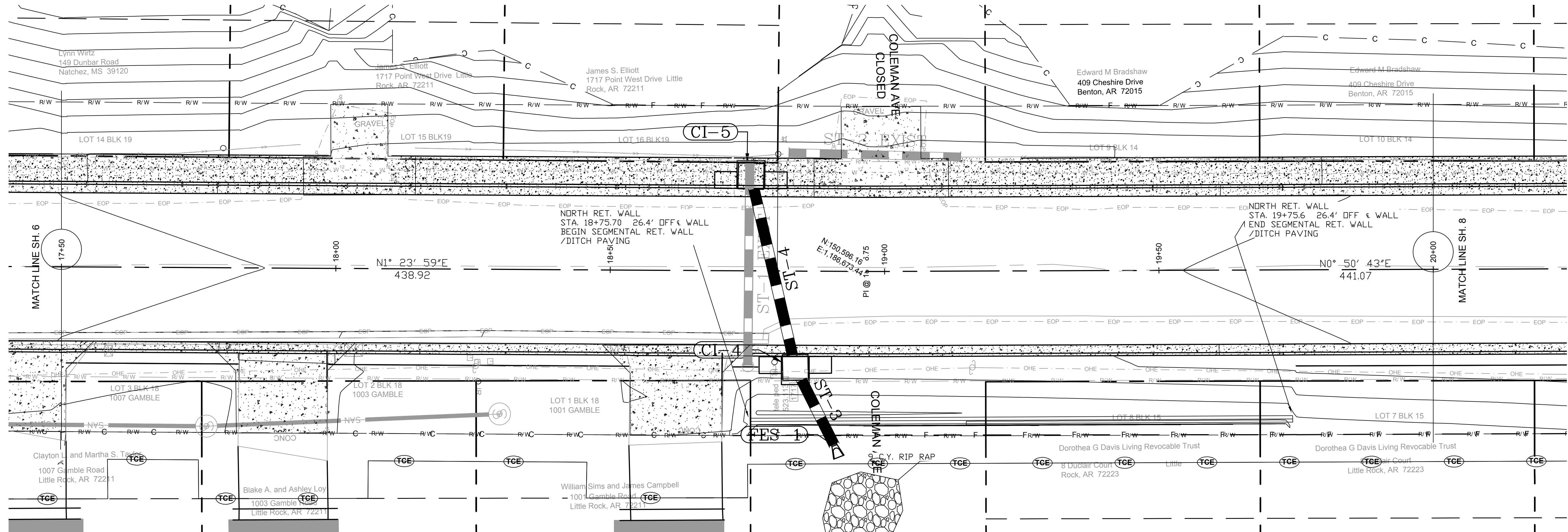
**OVERLAY ONLY FROM STA
9+90 TO STA 14+50**

**STA 14+75 TO 14+40
TRANSITION FROM
PROPOSED TYP
SECTION TO
EXISTING EDGE OF
PAVEMENT**



NOTE:
R-O-W NOT ACQUIRED ON EAST SIDE
FROM STA 9+90 TO STA 14+50.
CONTRACTOR TO STAY WITH EXISTNG
R-O-W.

Station	Elevation
+50	504.39E 505.18F
+75	507.66E 508.21F
13+00	510.99E 511.25F
+25	514.65E 514.38F 517.33 RE
+50	518.38E 517.12F 517.33 RE
+75	521.92E 519.68F
14+00	525.39E 521.96F
+25	528.53E 523.95F
+50	531.03E 525.66F
+75	532.52E 527.08F
15+00	534.01E 528.23F
+2	534.12E



GAMBLE ROAD

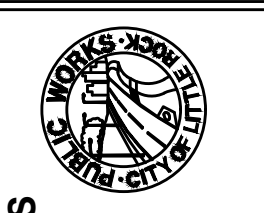
REVISIONS	DATE

100% SUBMITTAL

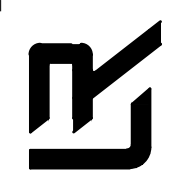
CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

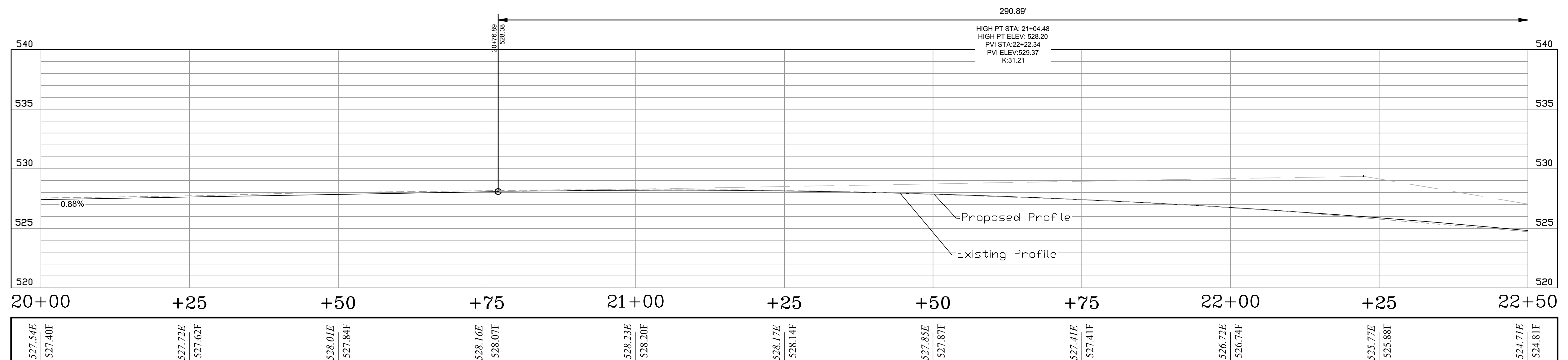
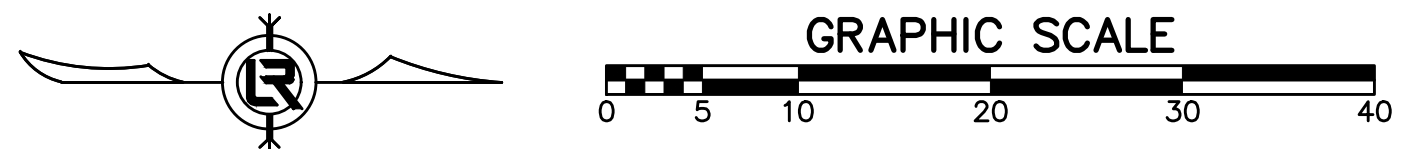
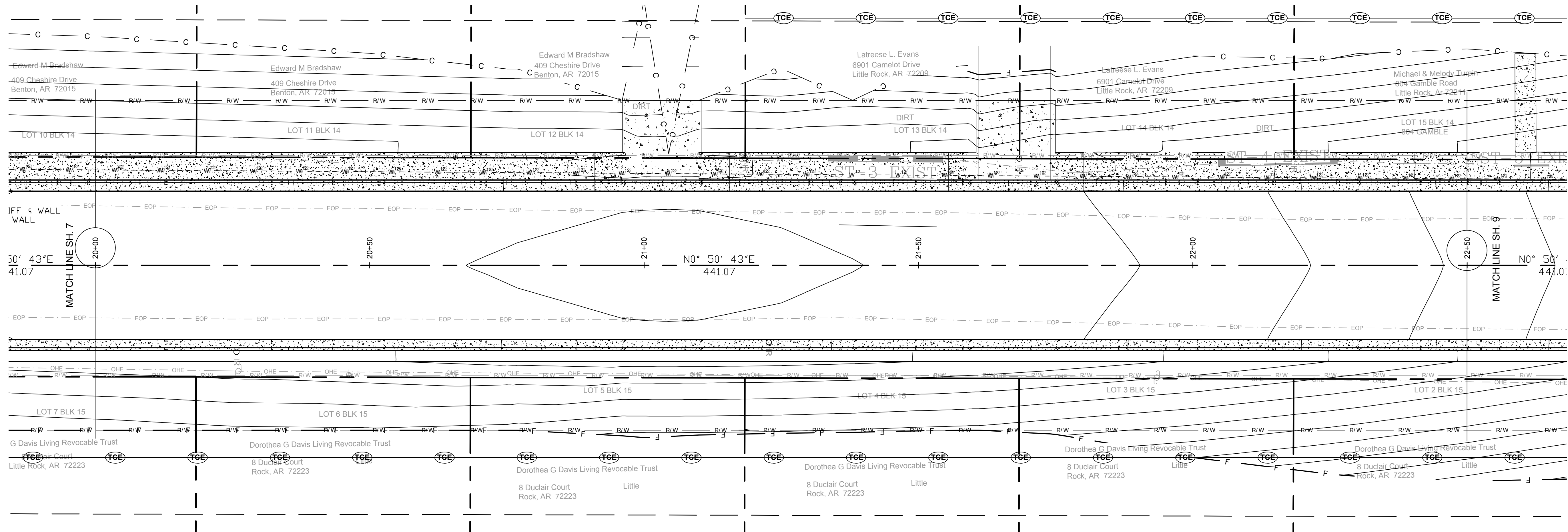
PLAN - PROFILE
STA. 17+50 TO STA. 20+00



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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE H: 1"=10' V: 1"=5'
PROJECT NO. 16-5-ST-15
SHEET NO. C7



GAMBLE ROAD

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

PLAN - PROFILE
STA. 20+00 TO STA. 22+50

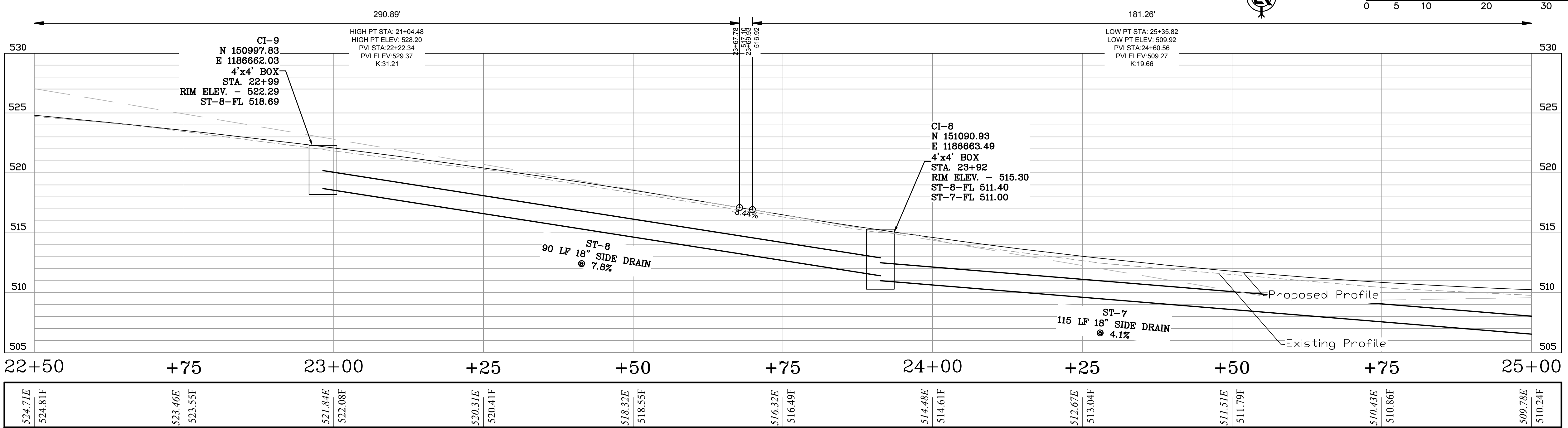
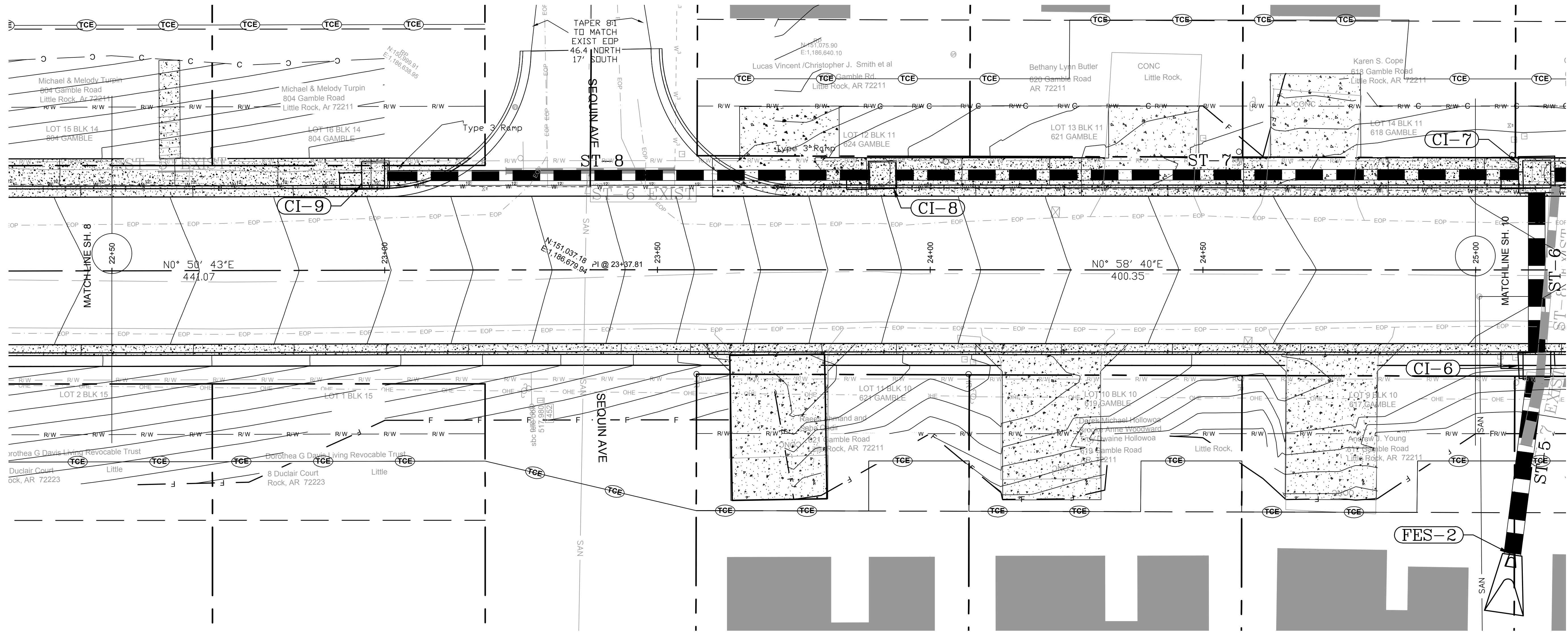


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE H: 1"=10' V: 1"=5'
PROJECT NO. 16-5-ST-15
SHEET NO. C8

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



GAMBLE ROAD

DRAWN BY
ZR

DESIGNED
RH

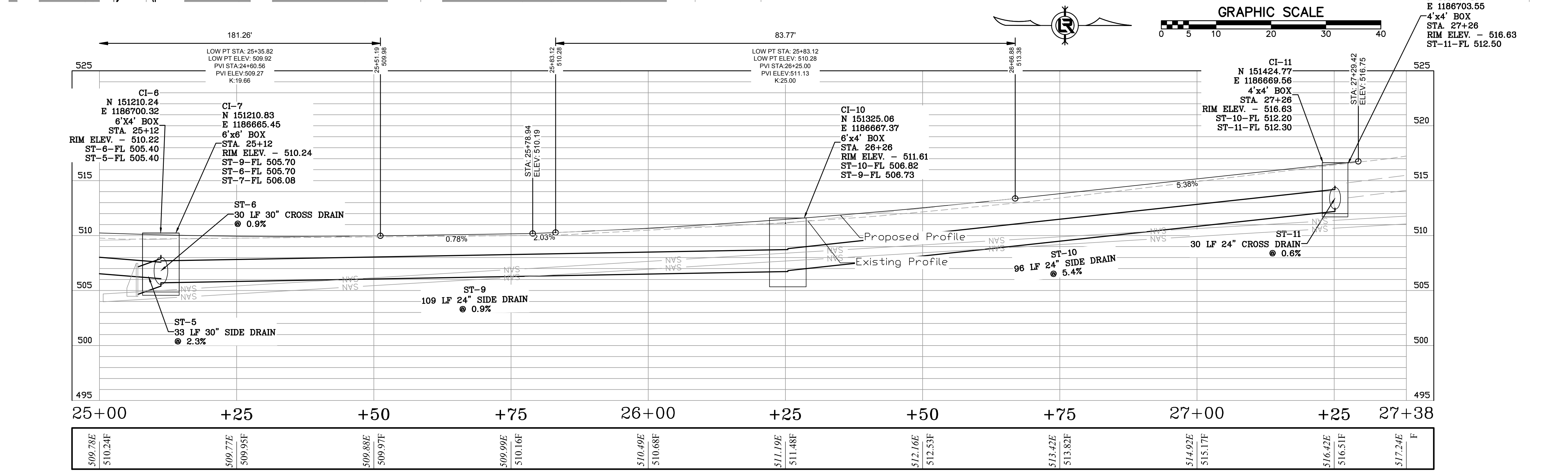
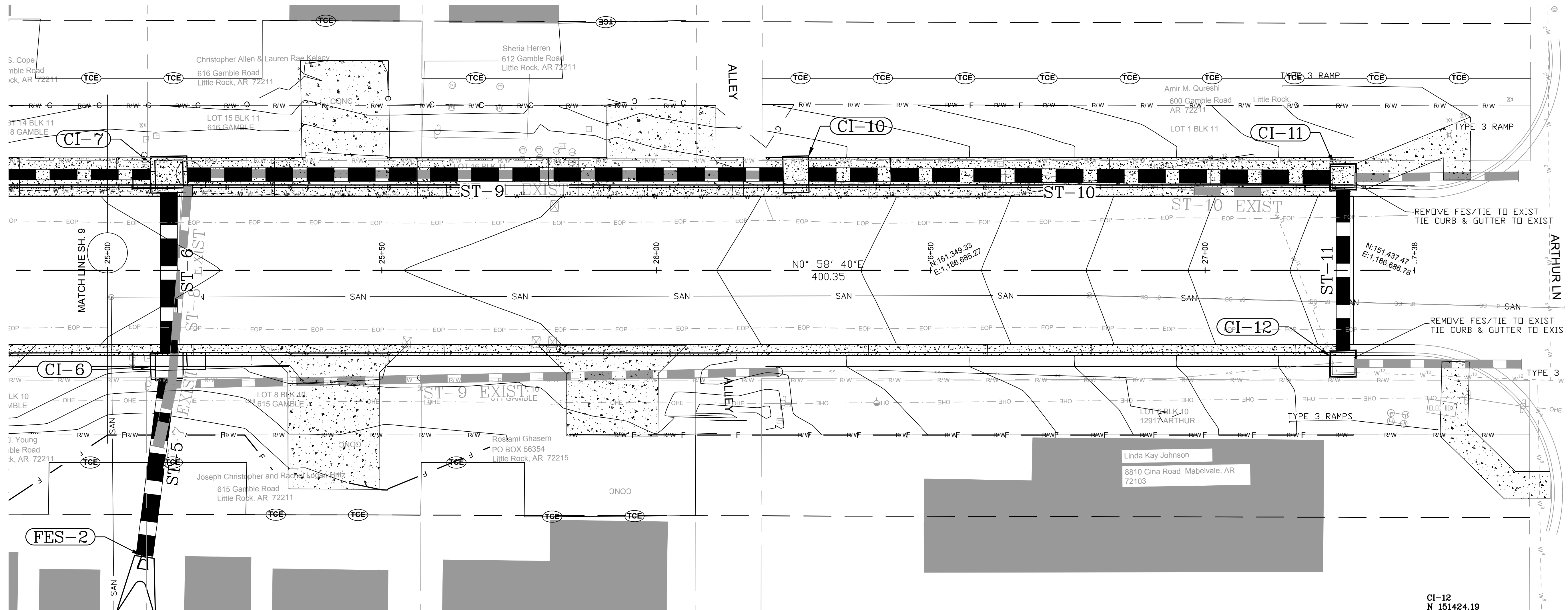
CHECKED
RH

DATE
2019-11-19

SCALE
H: 1"=10'
V: 1"=5'

PROJECT NO.
16-5-ST-15

SHEET NO.
C9



GAMBLE ROAD

REVISIONS DATE

--	--

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

PLAN - PROFILE

STA. 25+00 TO STA. 27+38

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201

DRAWN BY
ZR

DESIGNED
RH

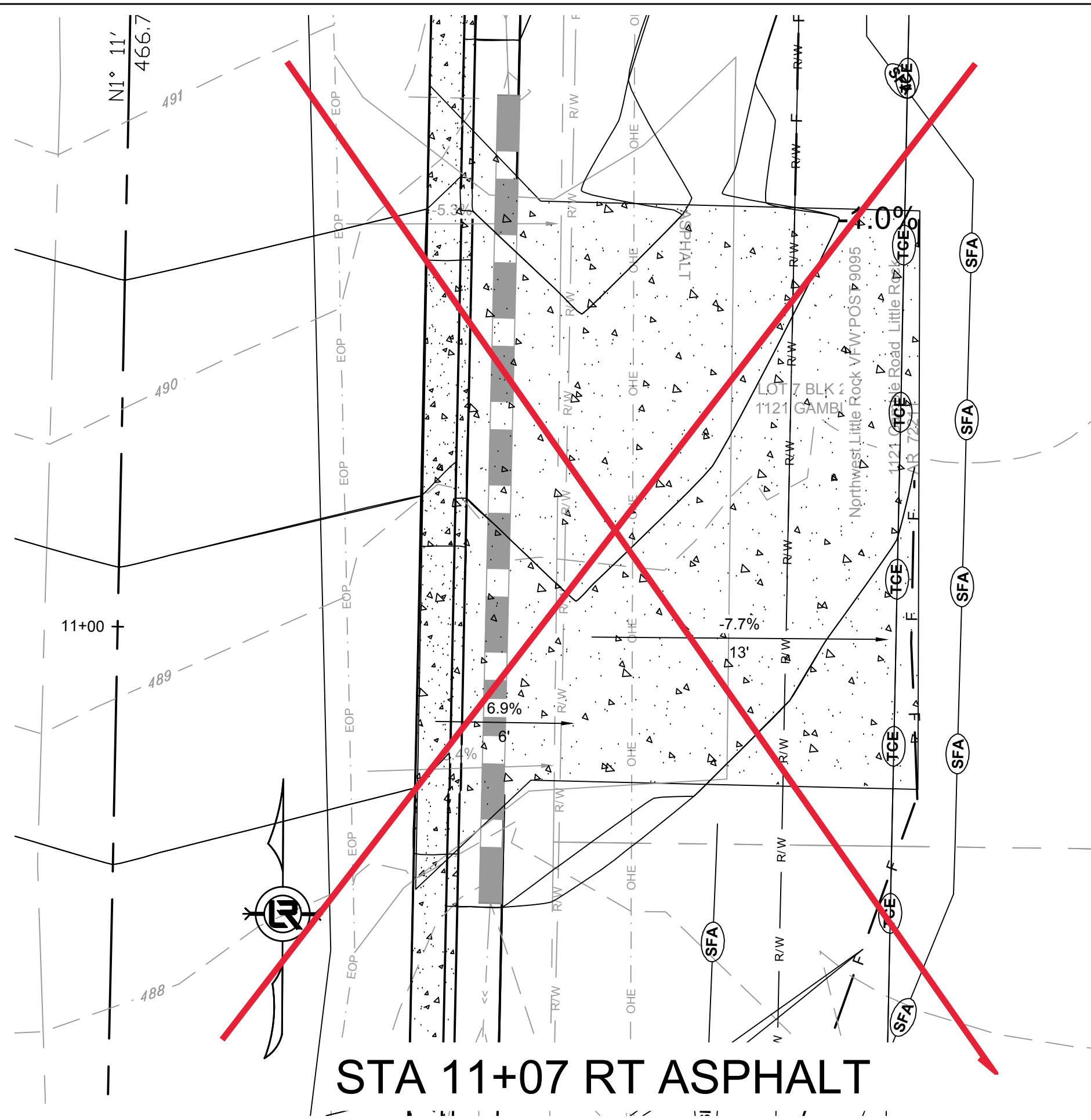
CHECKED
RH

DATE
2019-11-19

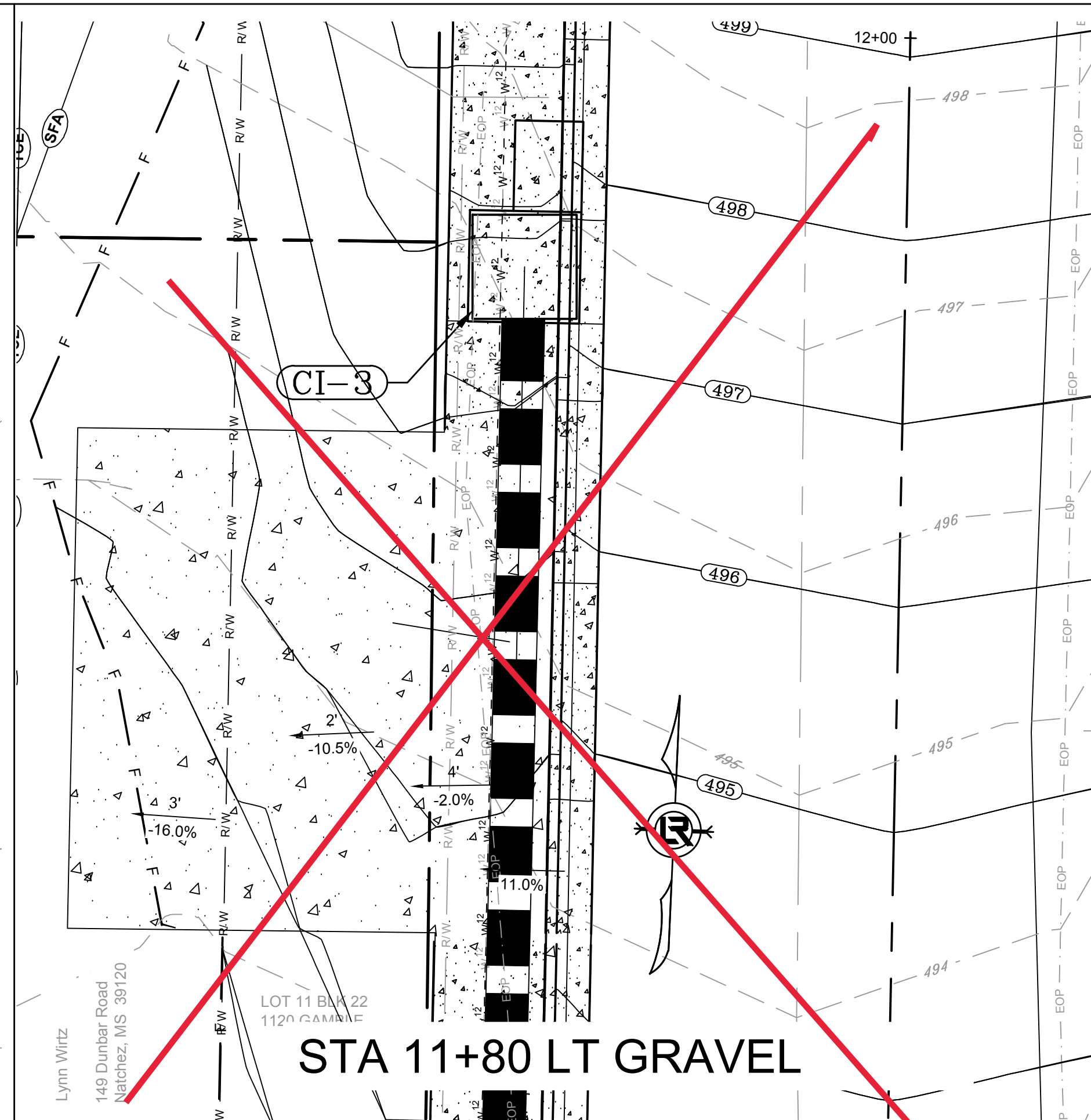
SCALE
H: 1"=10'
V: 1"=5'

PROJECT NO.
16-5-ST-15

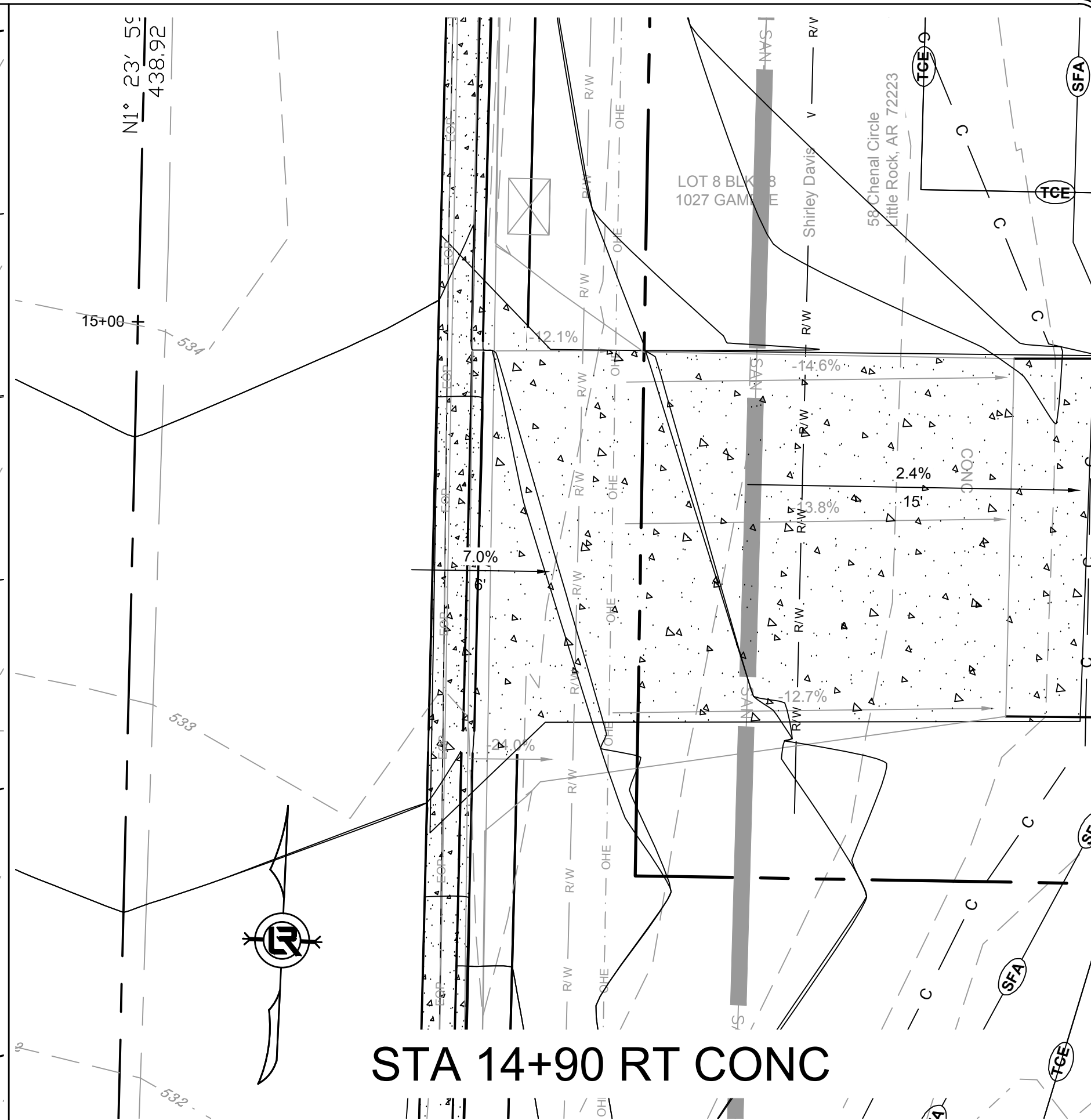
SHEET NO.
C10



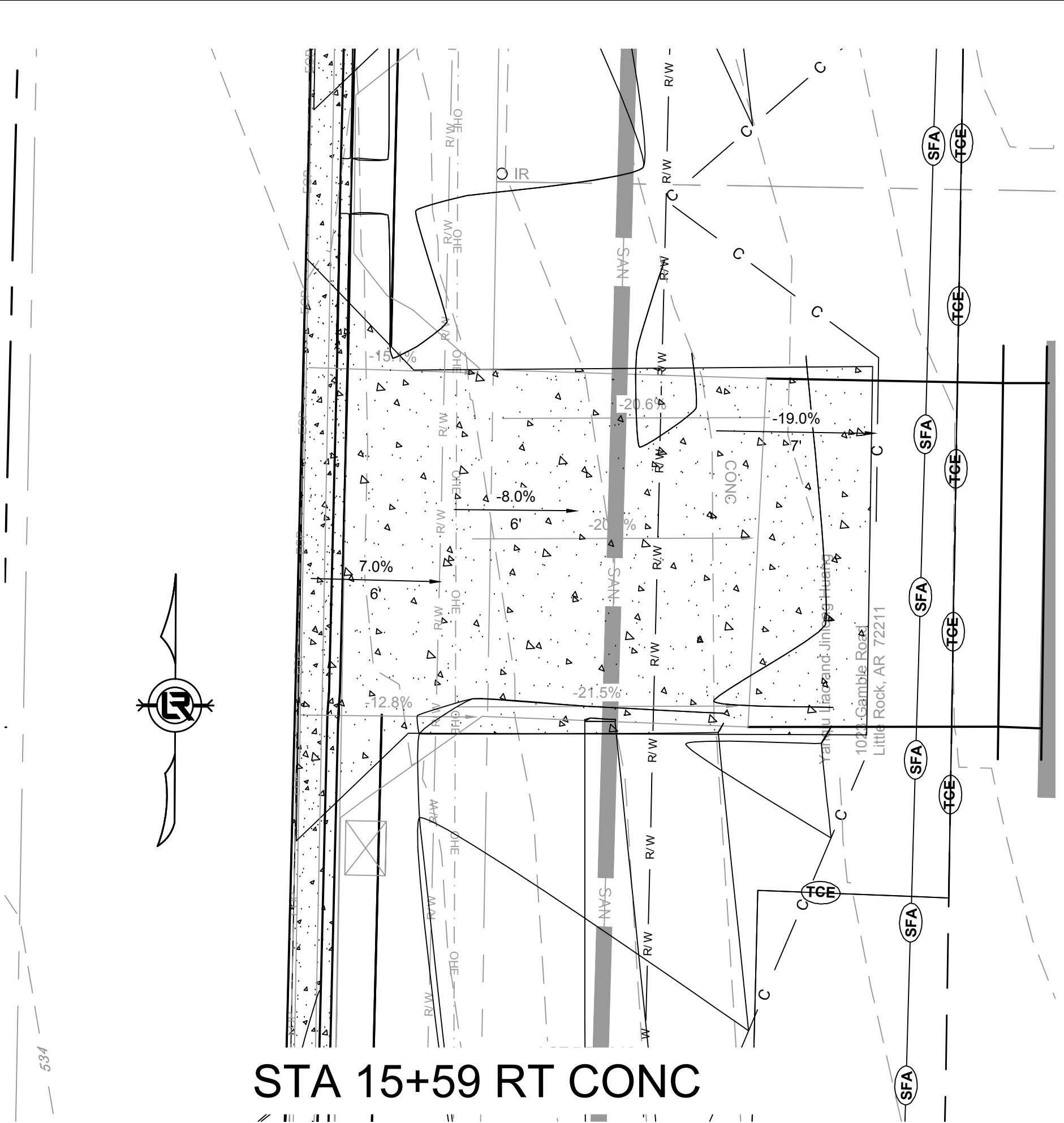
STA 11+07 RT ASPHALT



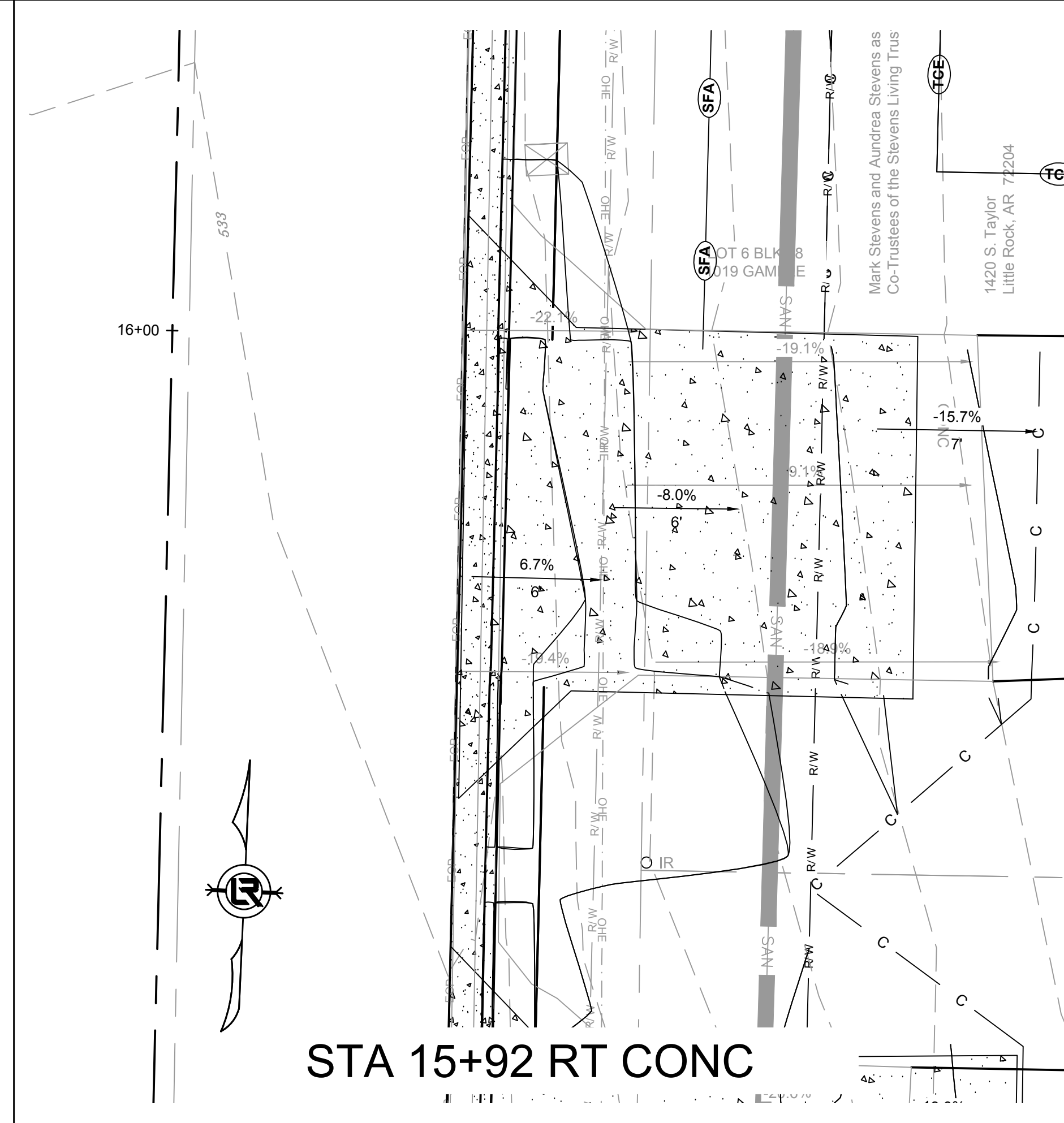
STA 11+80 LT GRAVEL



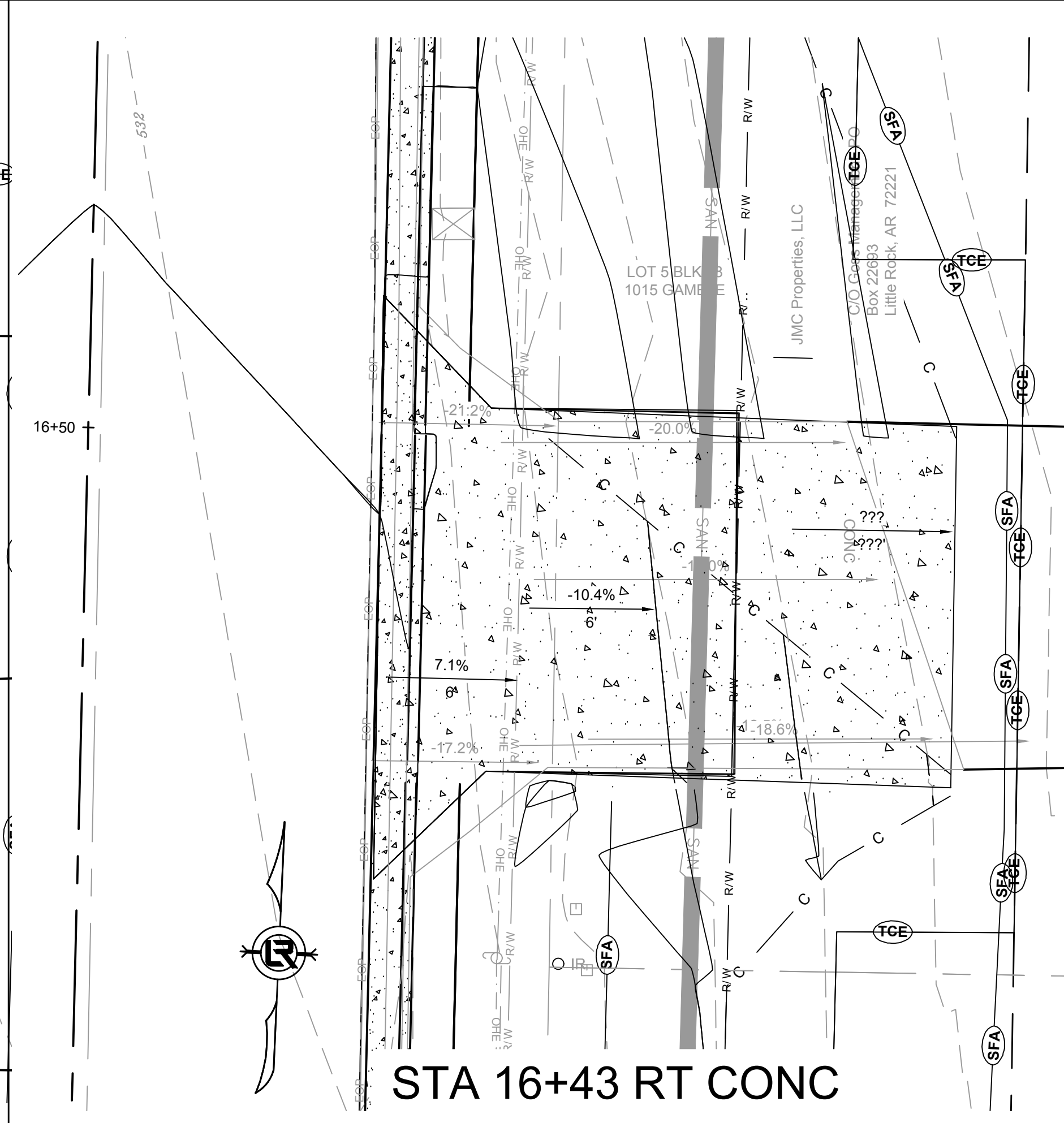
STA 14+90 RT CONC



STA 15+59 RT CONC



STA 15+92 RT CONC



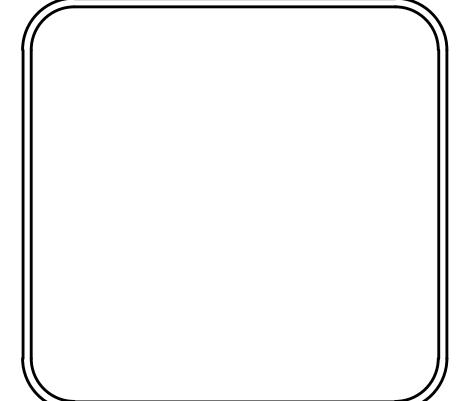
STA 16+43 RT CONC

REVISIONS	DATE

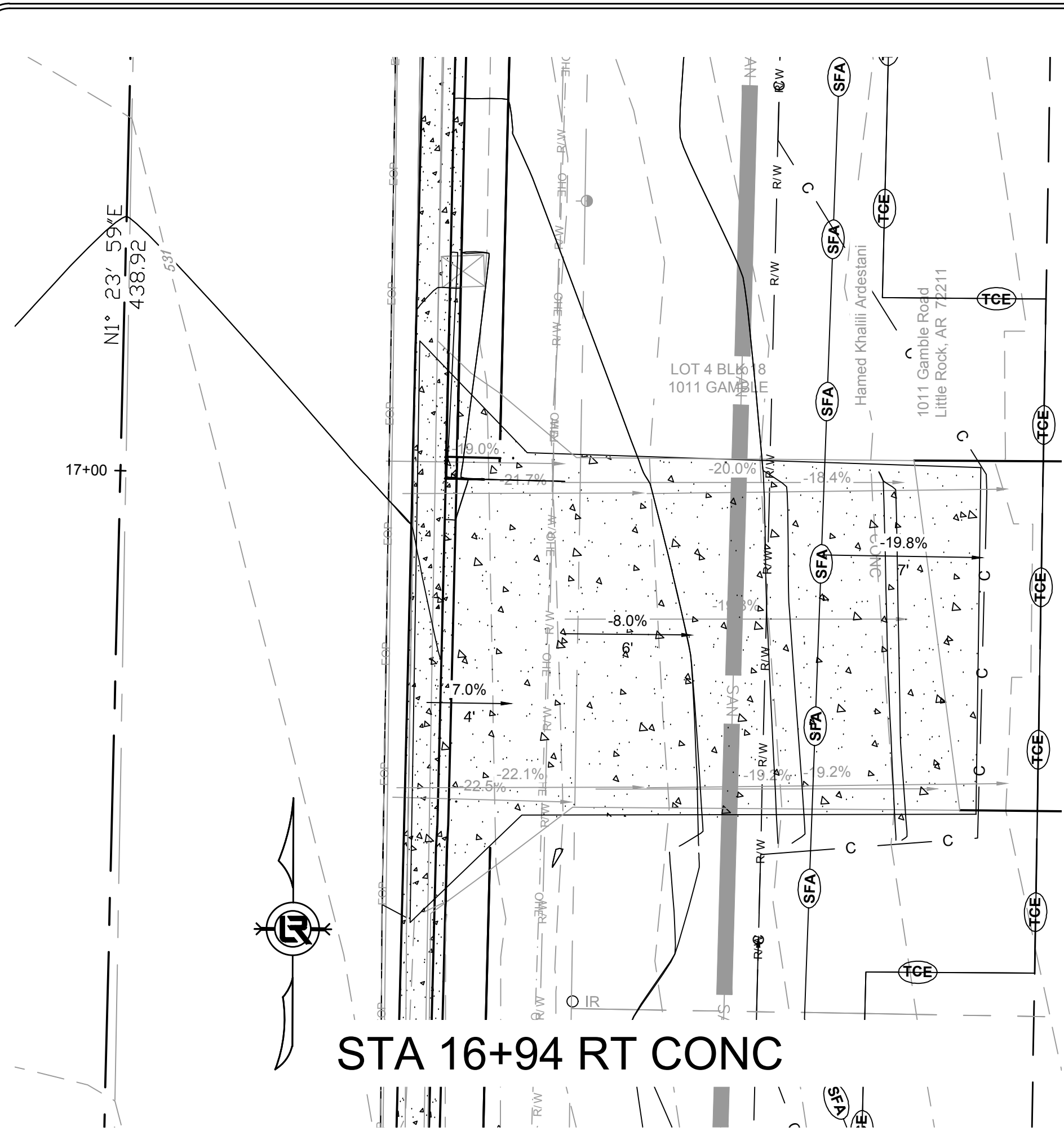
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 DRIVEWAY PROFILES
DRIVEWAY I

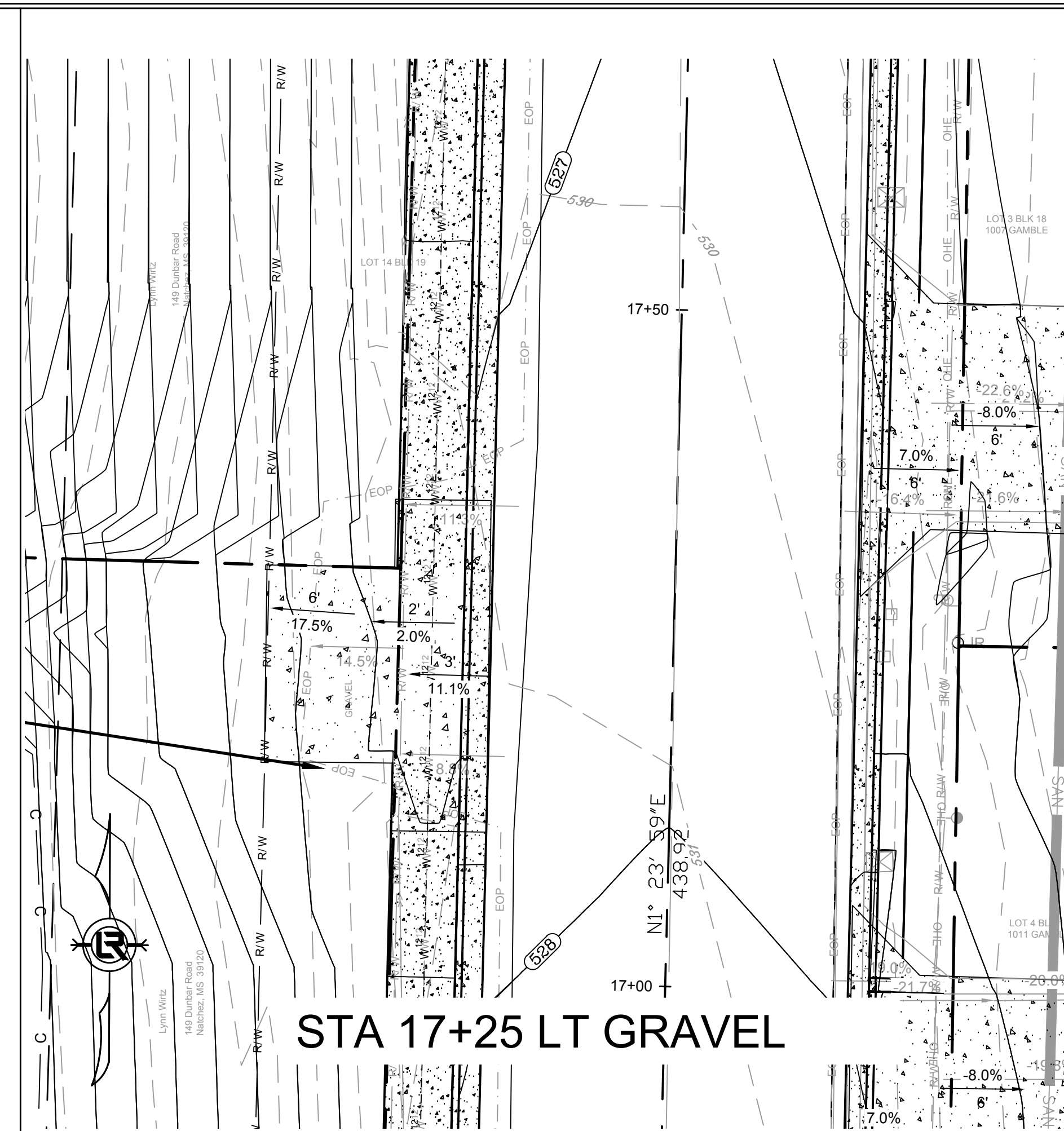
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



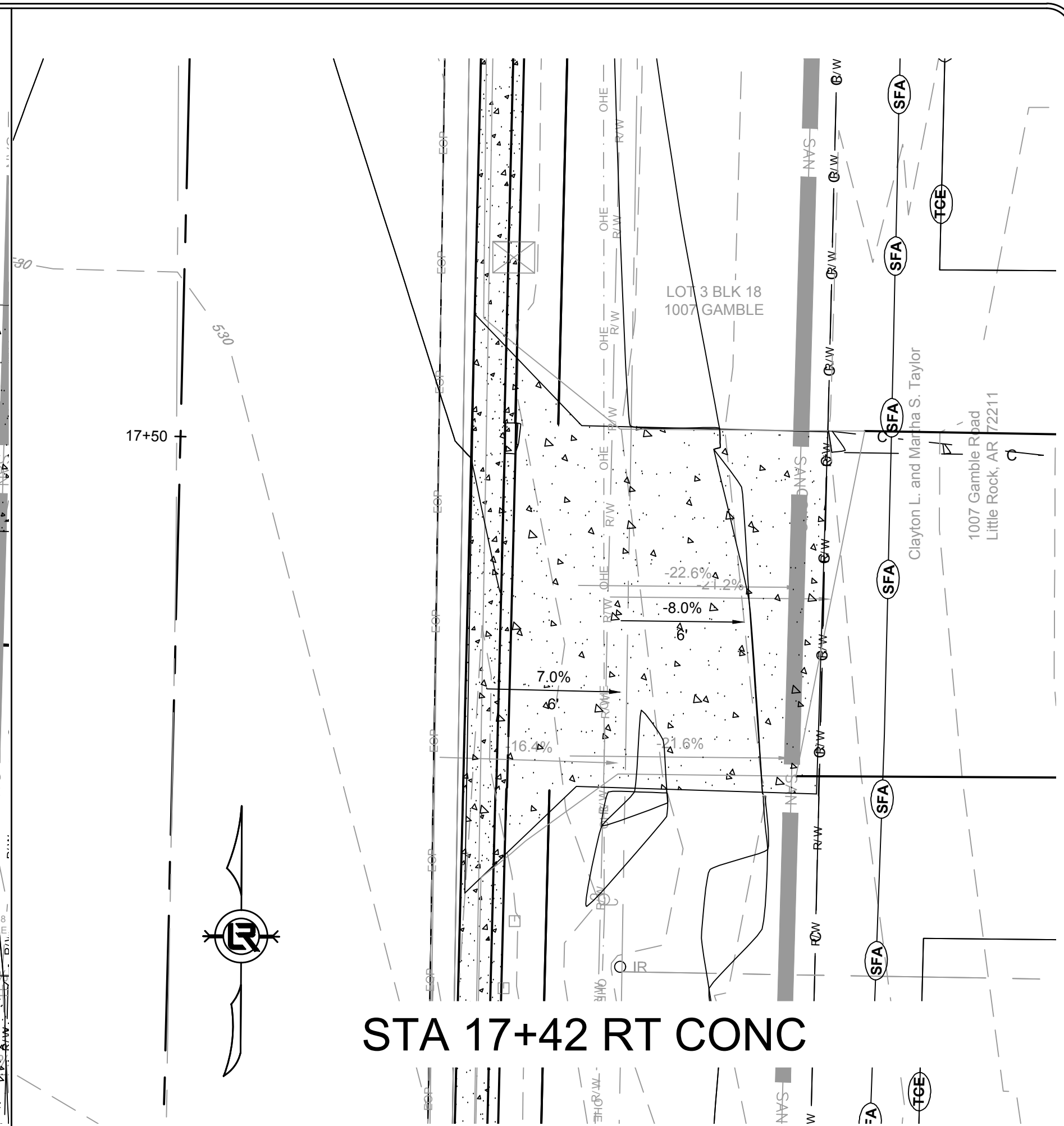
DRAWN BY
 ZR
 DESIGNED
 RH
 CHECKED
 RH
 DATE
 2019-11-19
 SCALE
 1" = 5'
 PROJECT NO.
 16-5-ST-15
 SHEET NO.
C11



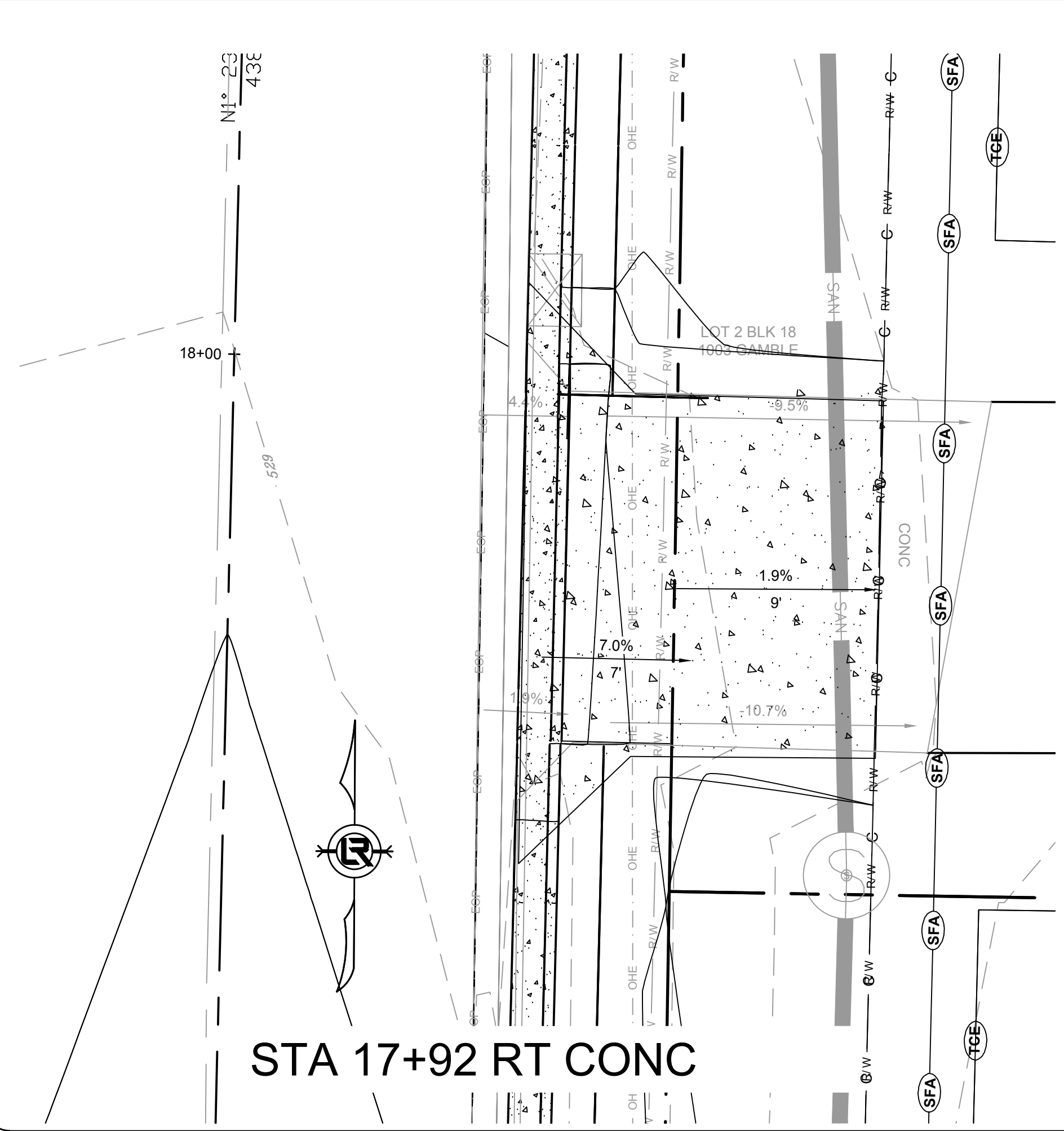
STA 16+94 RT CONC



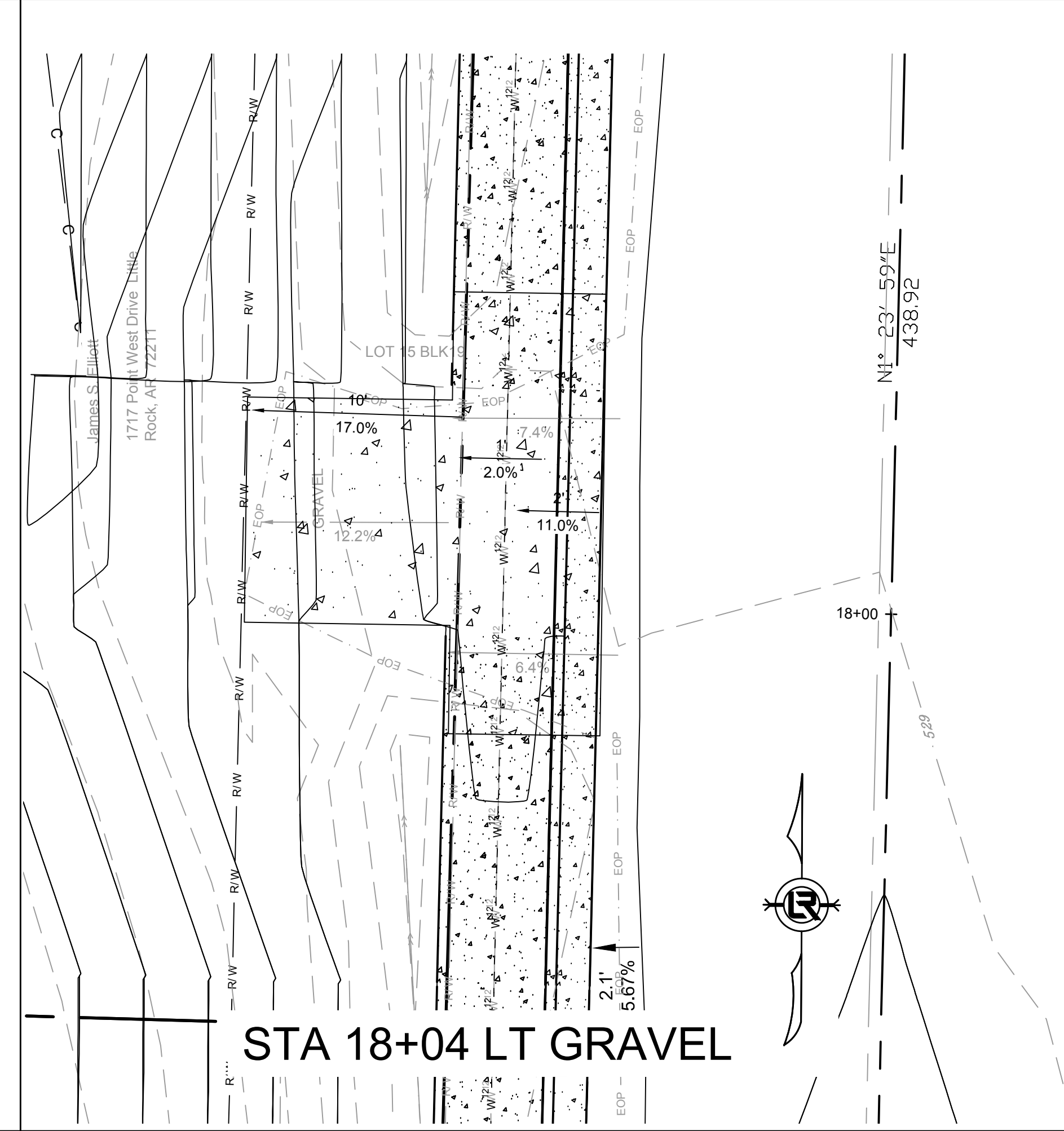
STA 17+25 LT GRAVEL



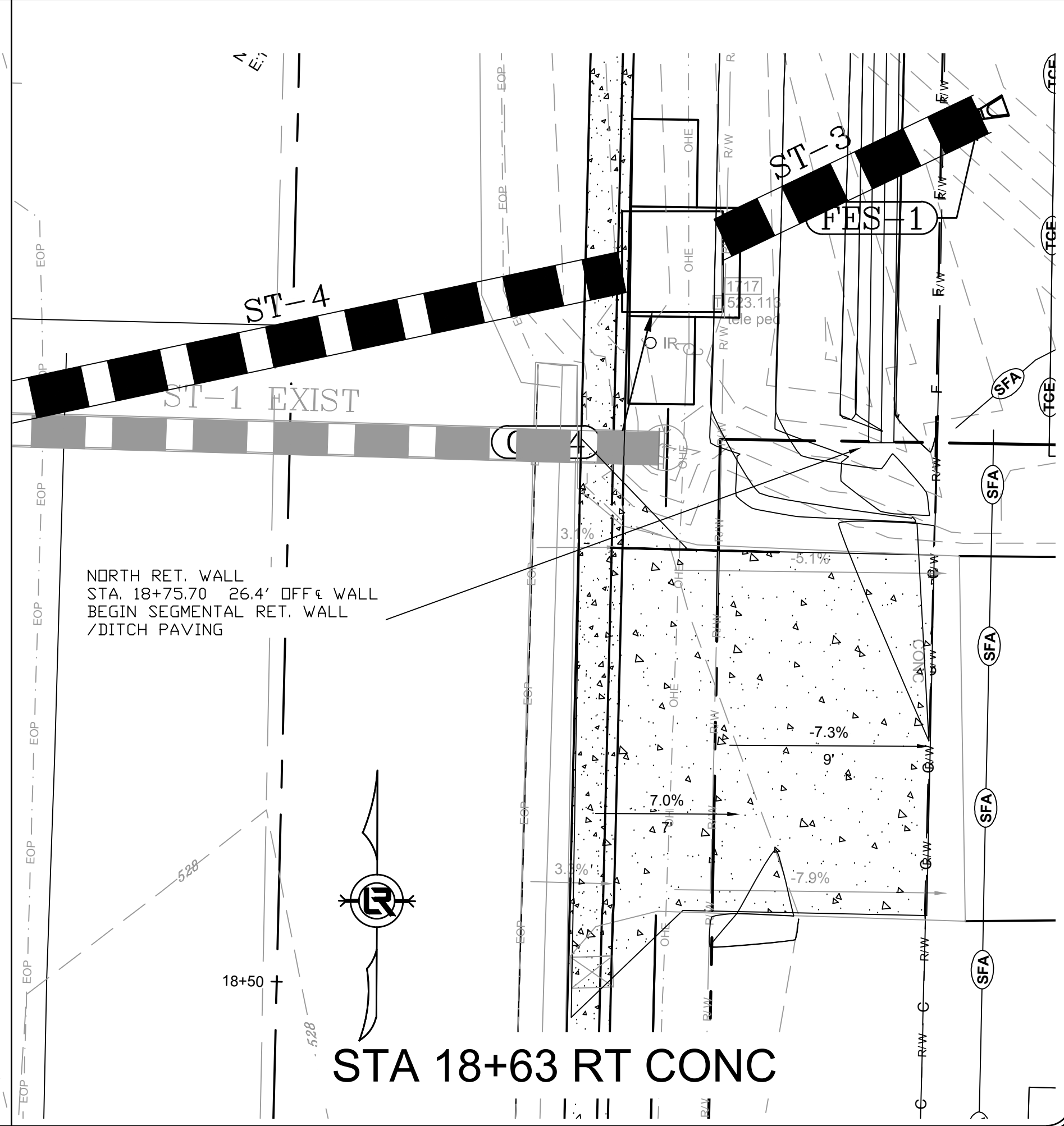
STA 17+42 RT CONC



STA 17+92 RT CONC



STA 18+04 LT GRAVEL



STA 18+63 RT CONC

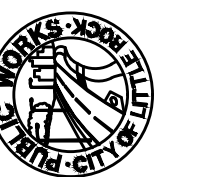
REVISIONS DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

DRIVEWAY PROFILES
DRIVEWAY 2

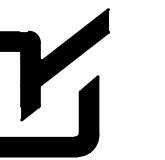


DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



DRAWN BY

ZR

DESIGNED

RH

CHECKED

RH

DATE

2019-11-19

SCALE

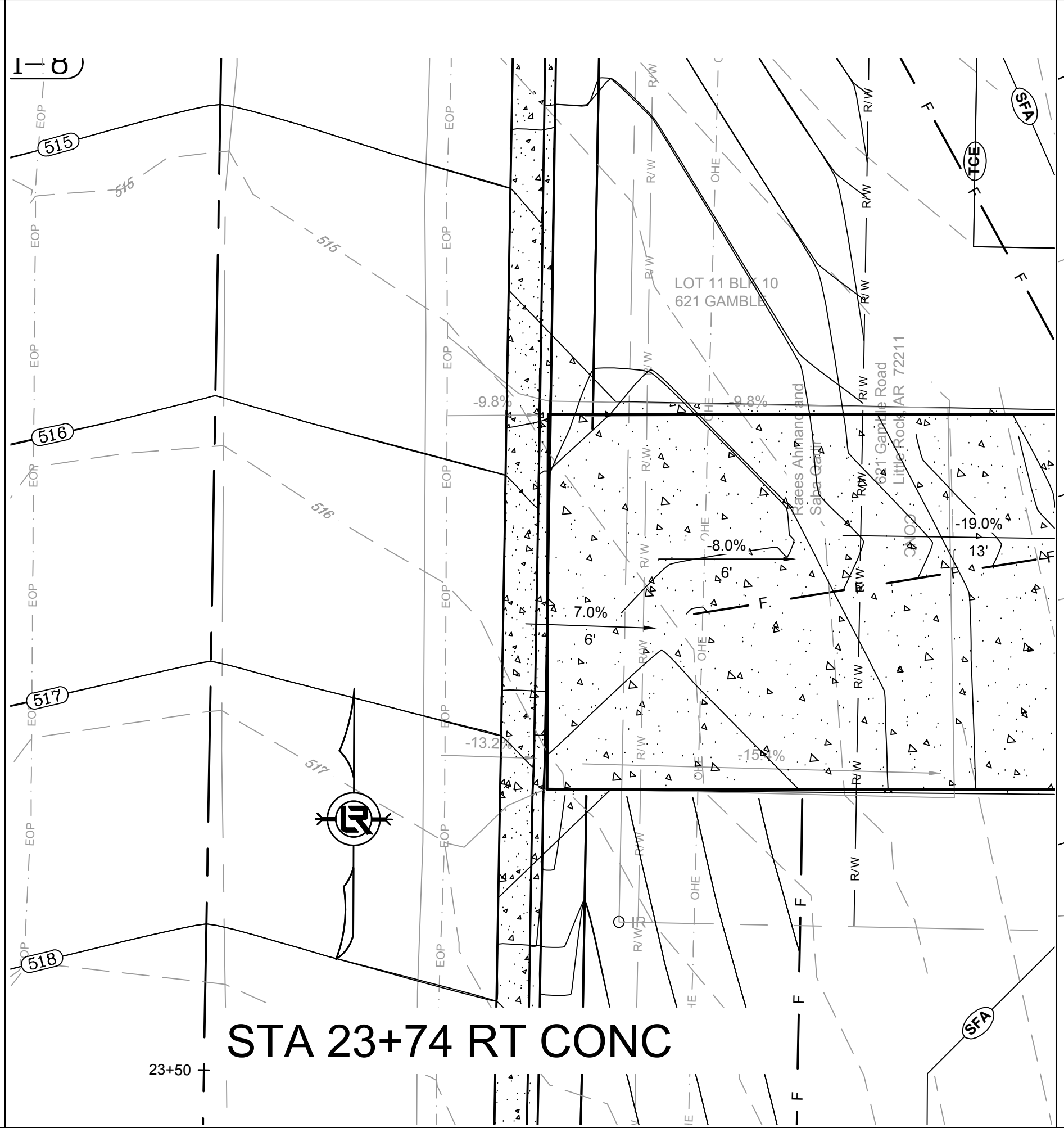
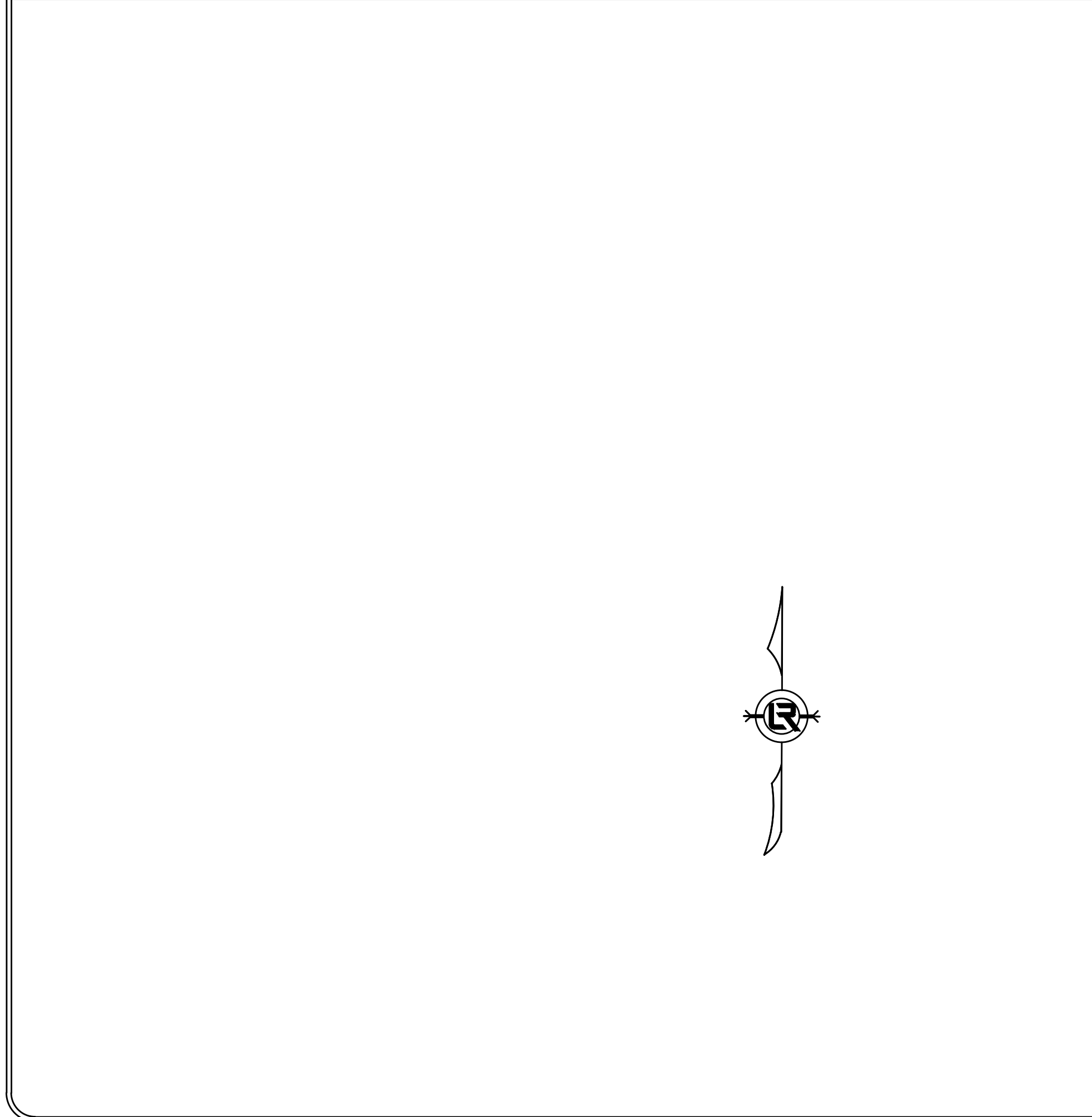
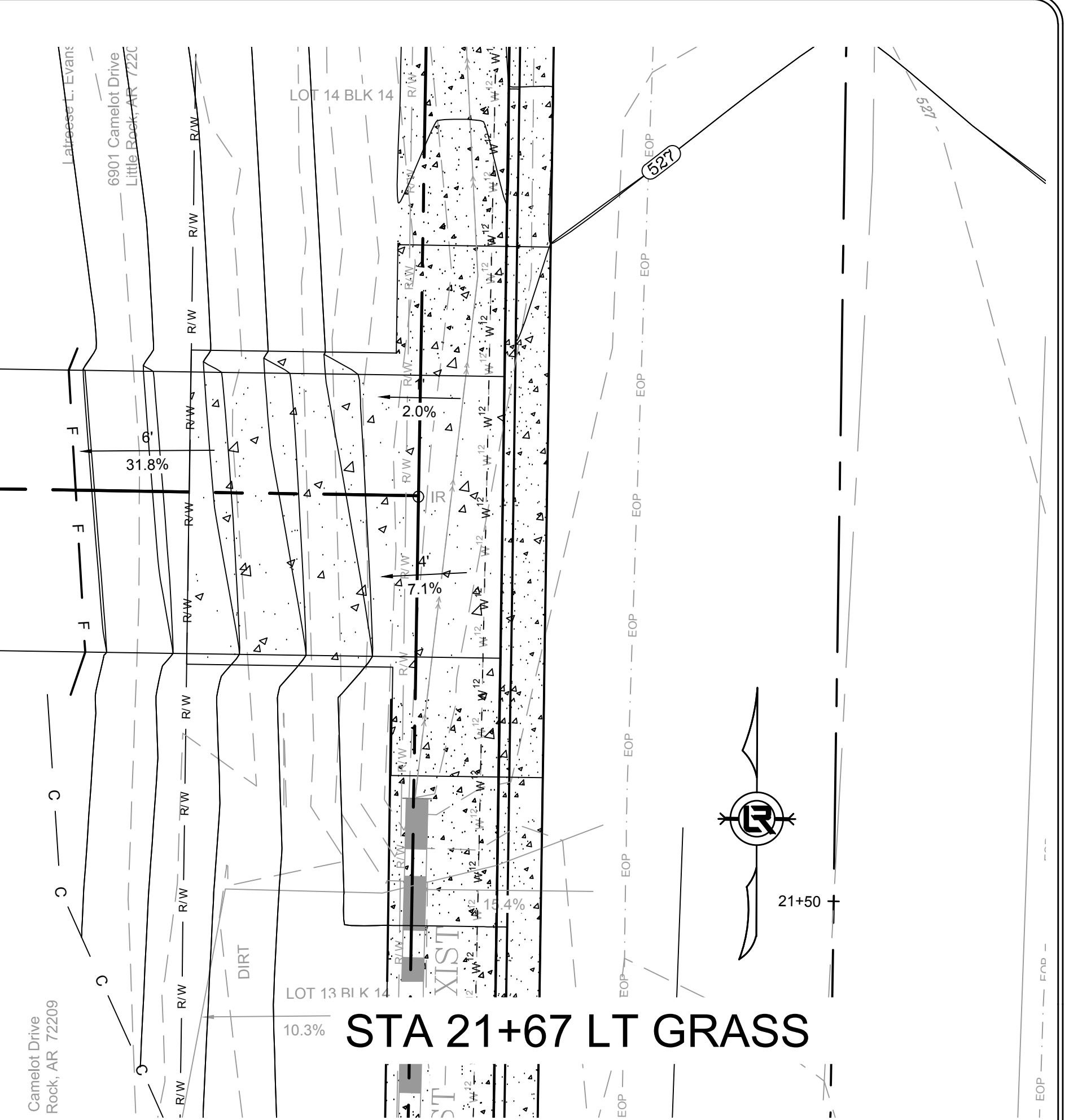
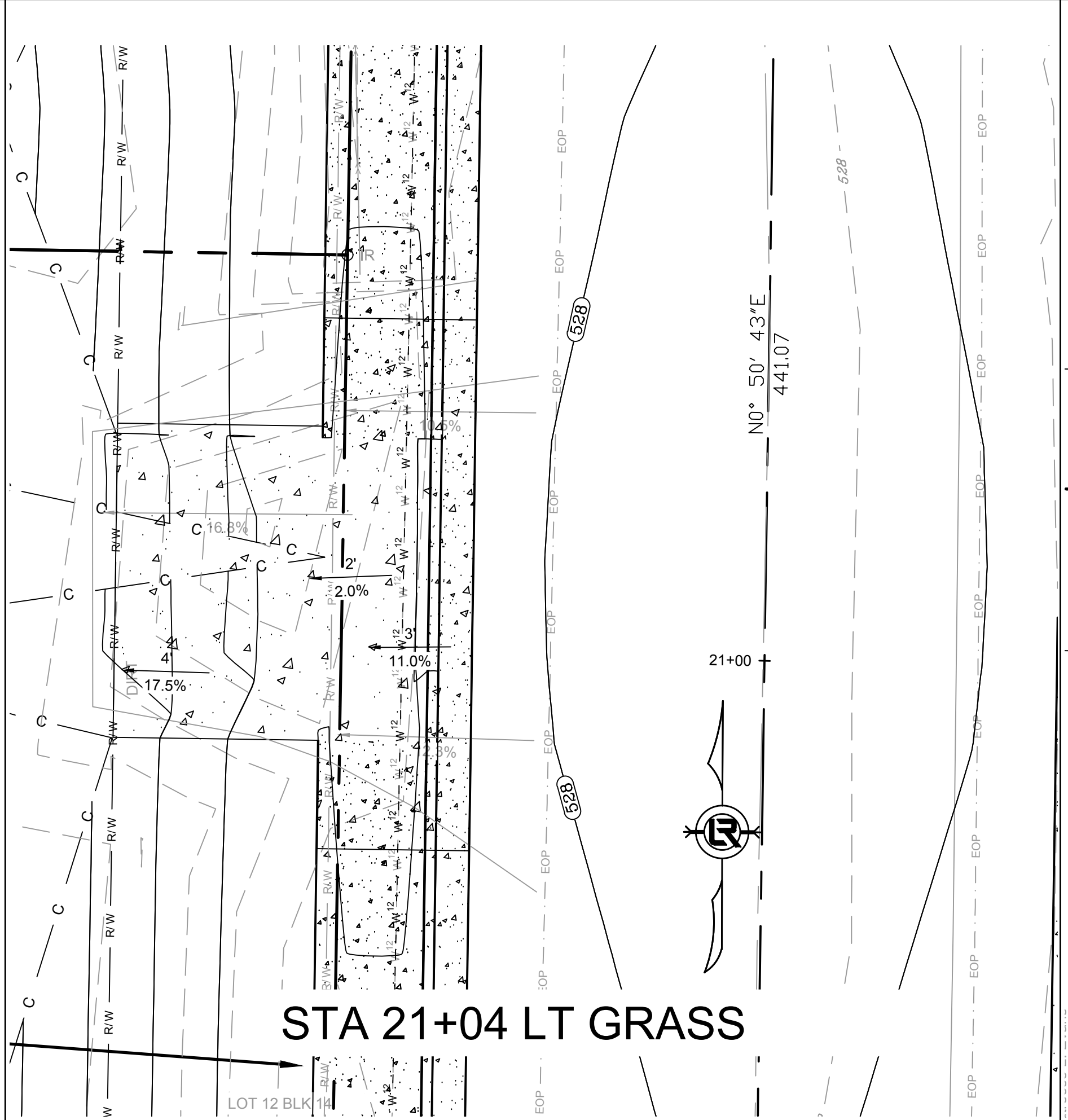
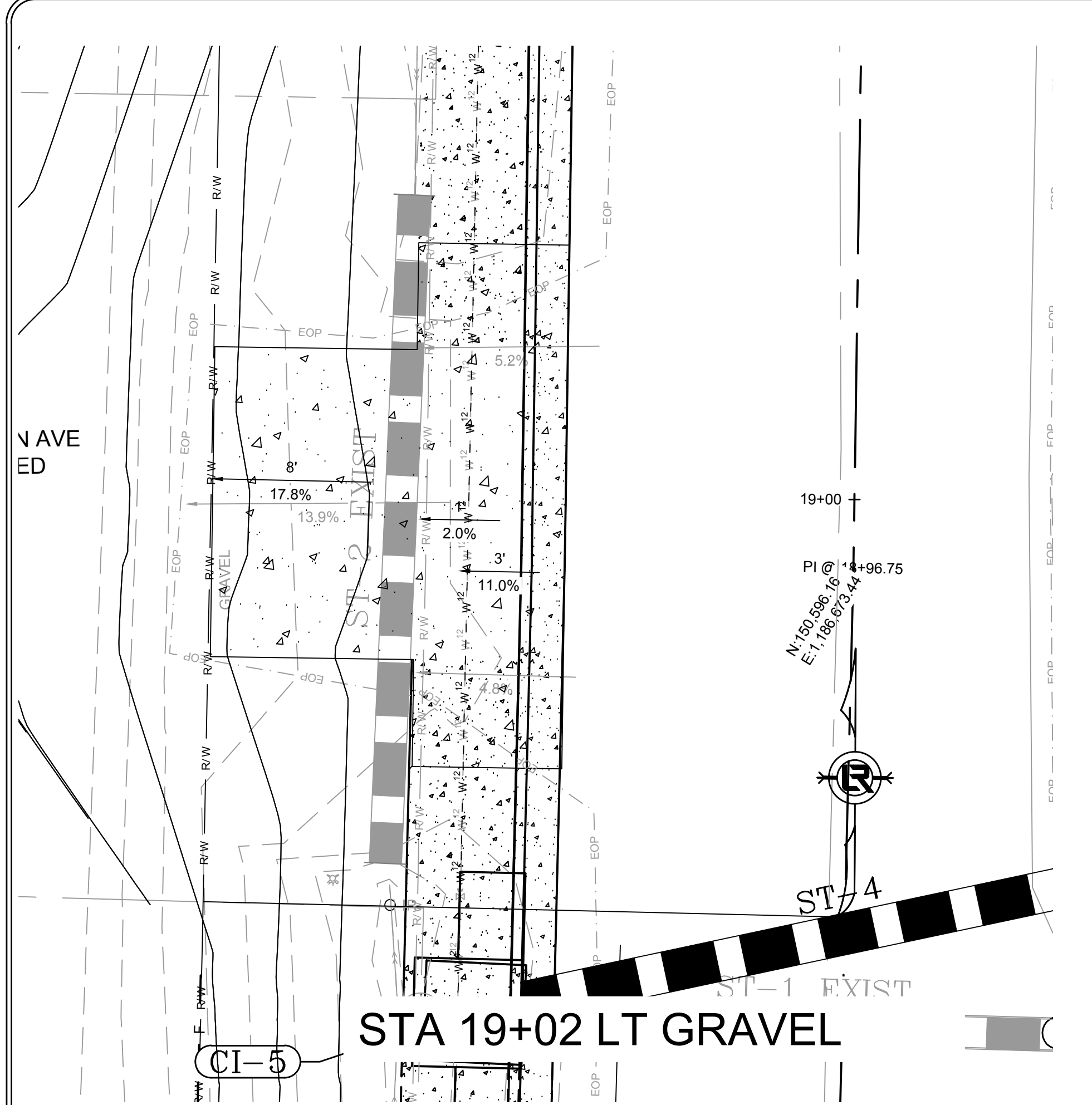
N.T.S.

PROJECT NO.

16-5-ST-15

SHEET NO.

C12



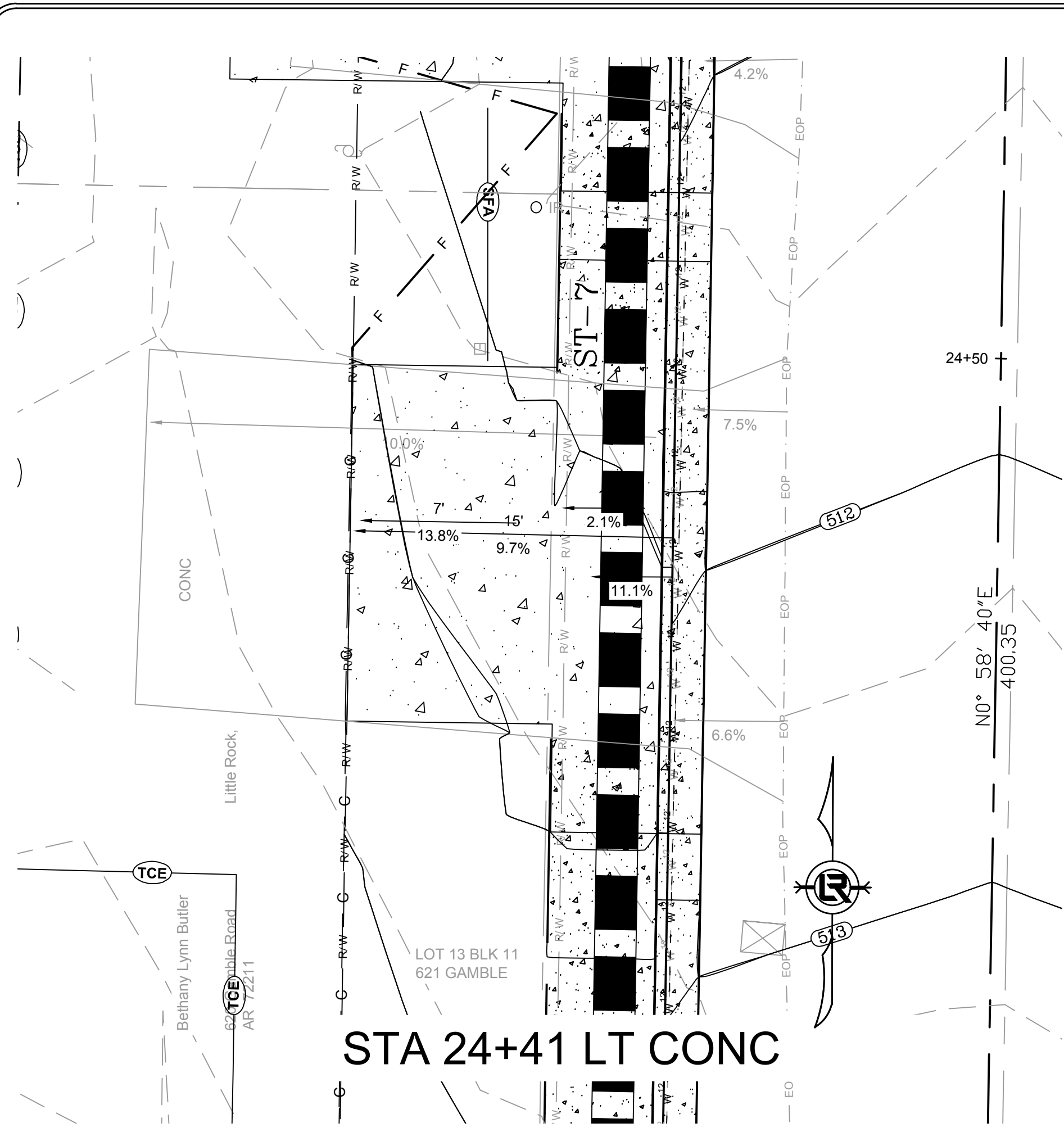
REVISIONS	DATE

100% SUBMITTAL

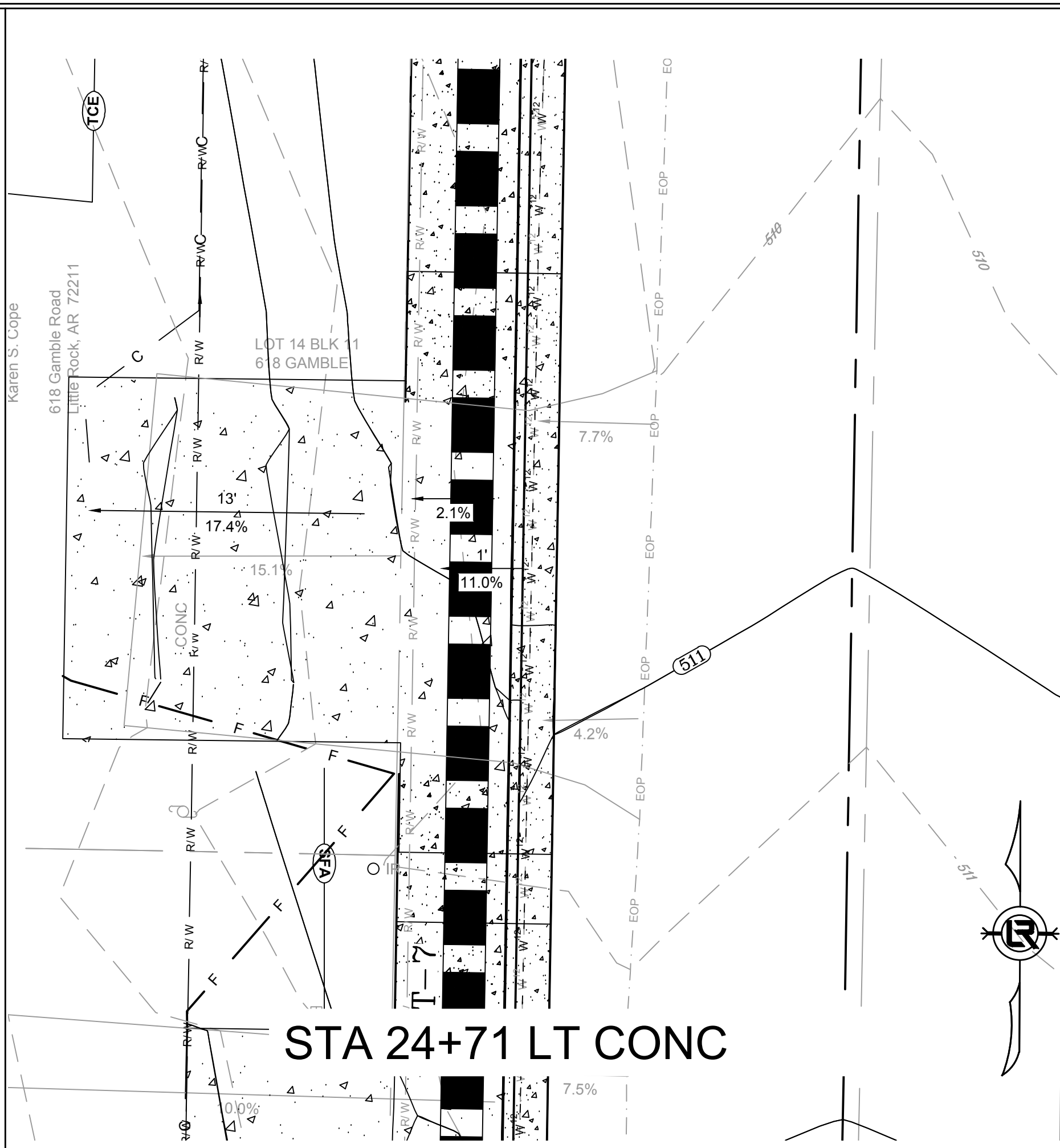
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 DRIVEWAY PROFILES
DRIVEWAY 3

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

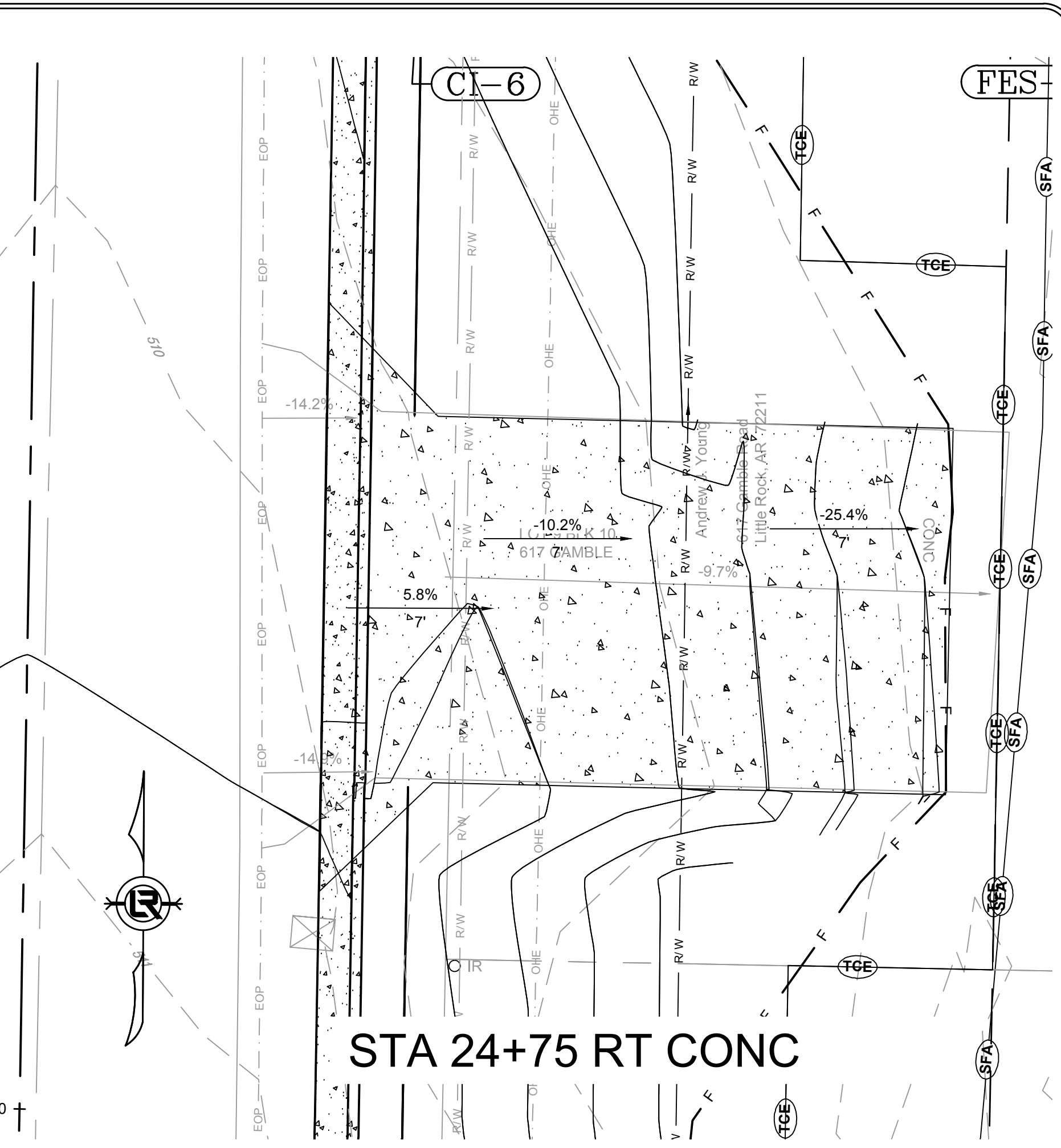
DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE 1" = 5'
PROJECT NO. 16-5-ST-15
SHEET NO. C13



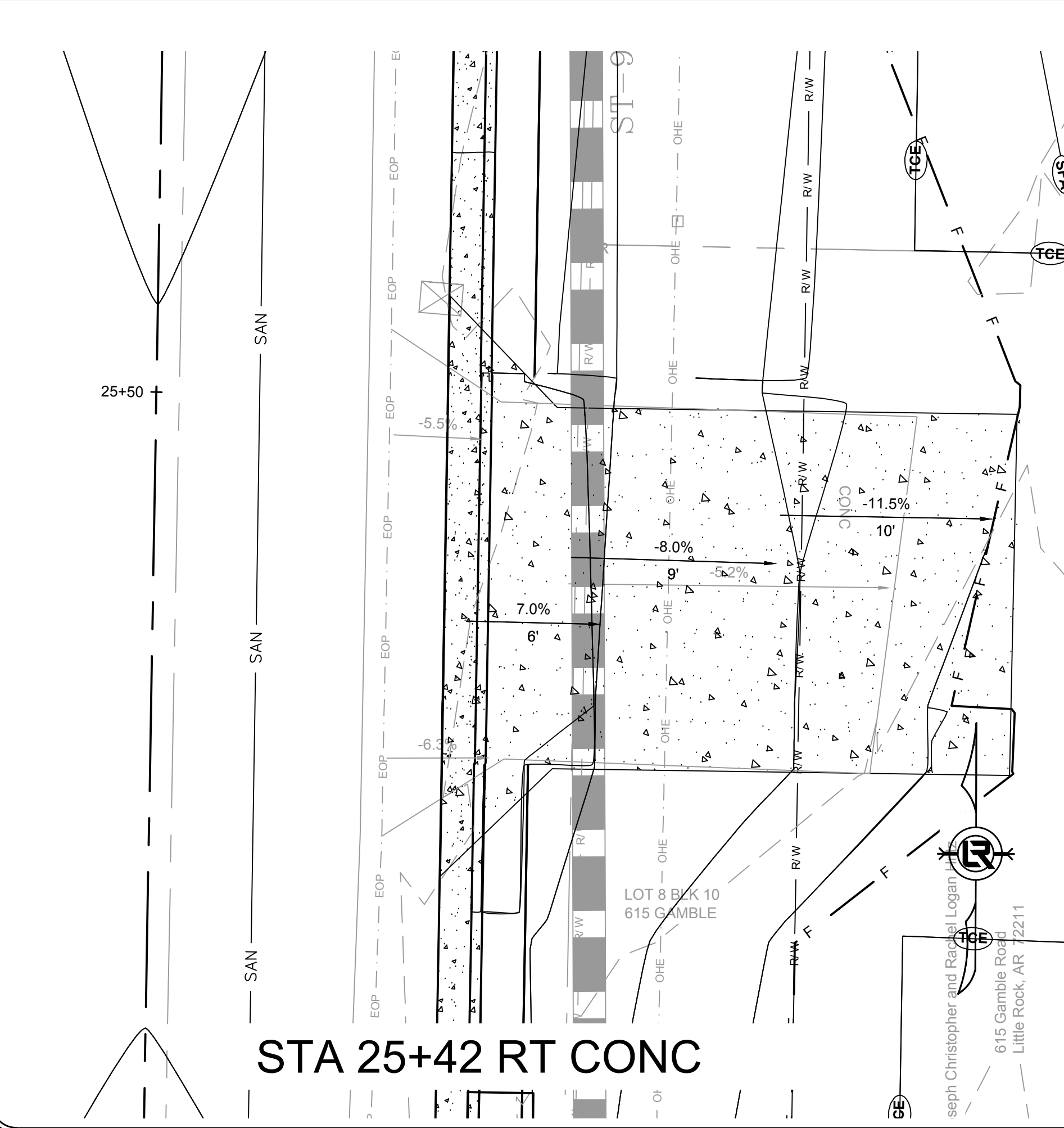
STA 24+41 LT CONC



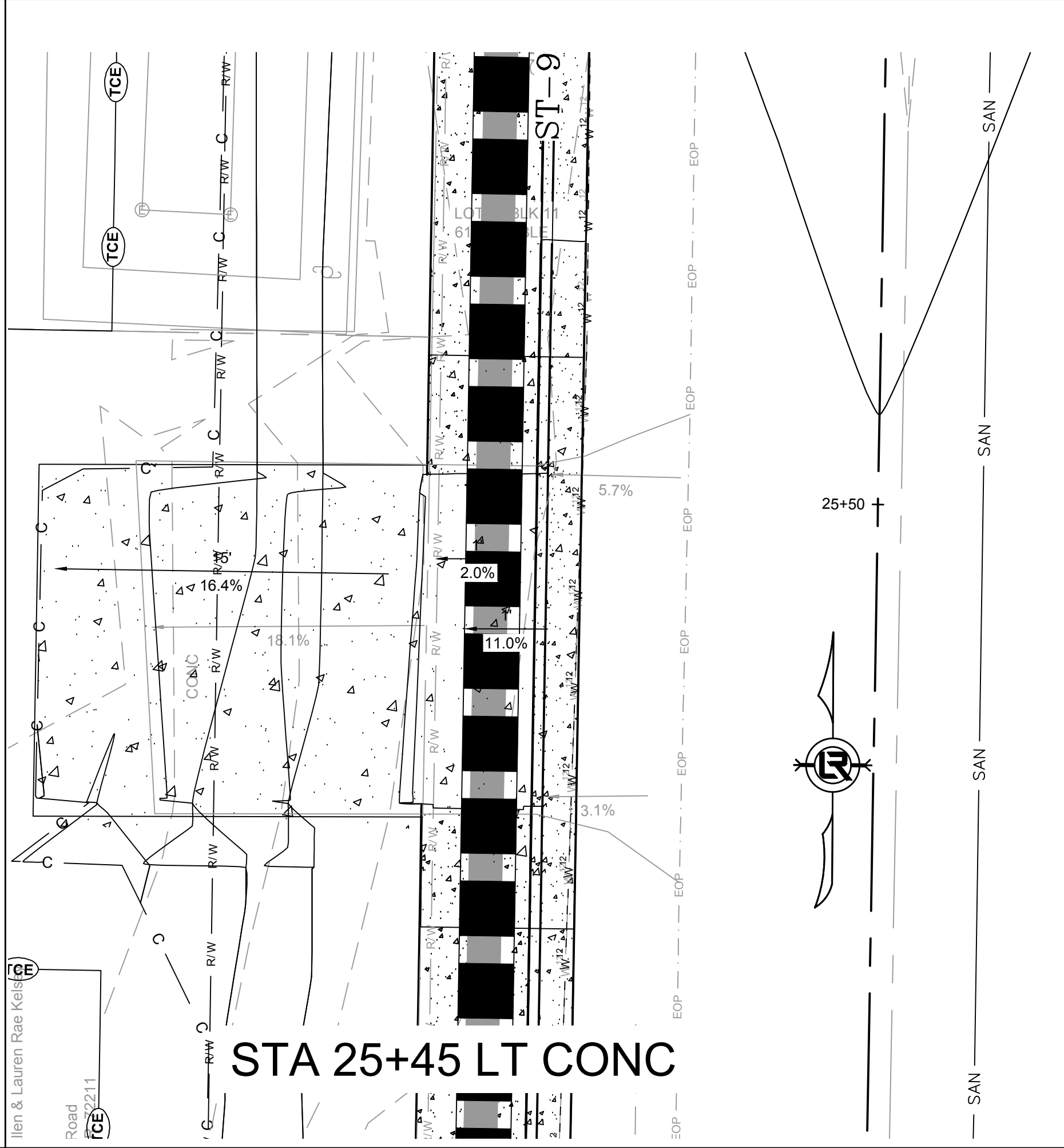
STA 24+71 LT CONC



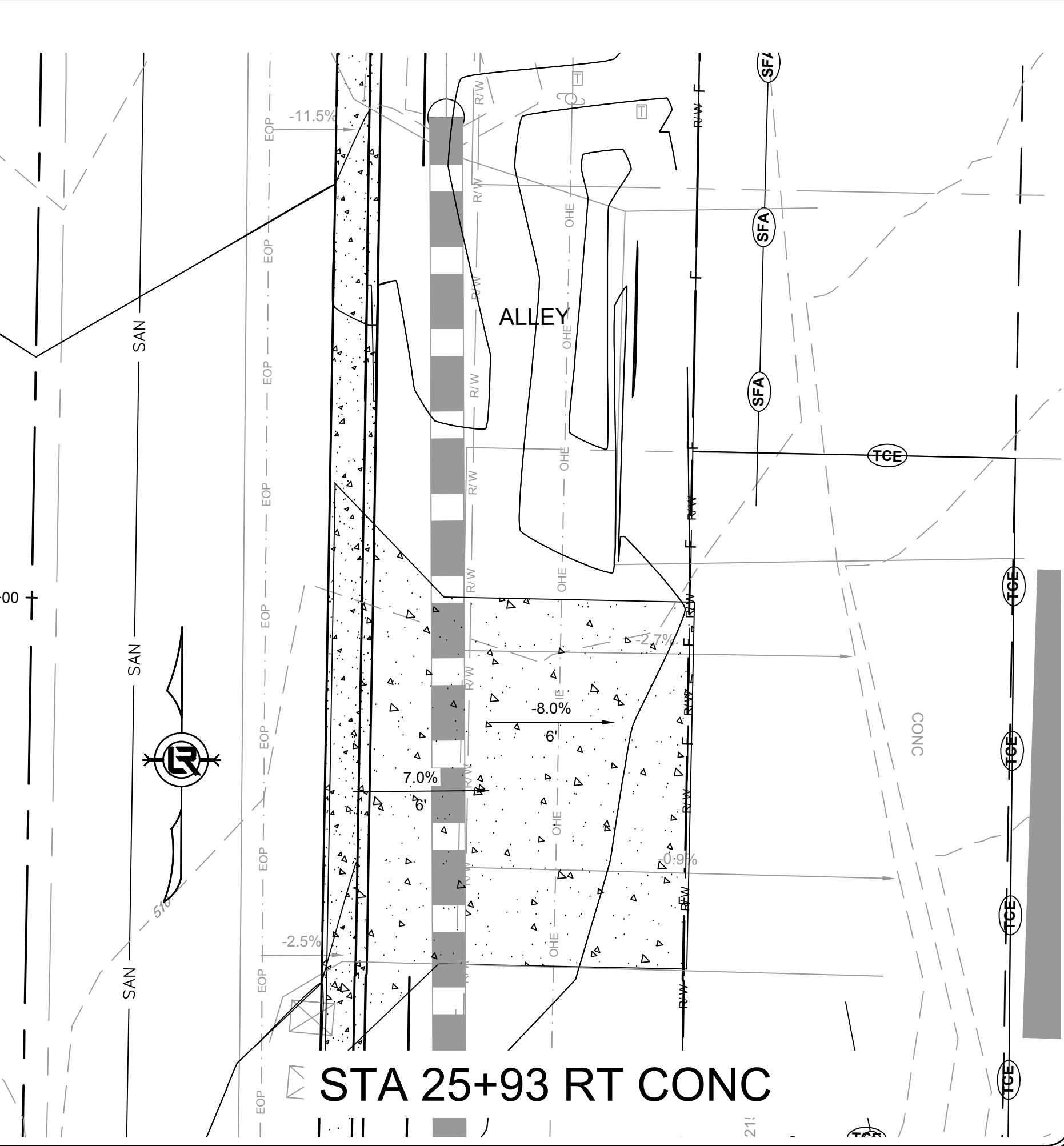
STA 24+75 RT CONC



STA 25+42 RT CONC



STA 25+45 LT CONC



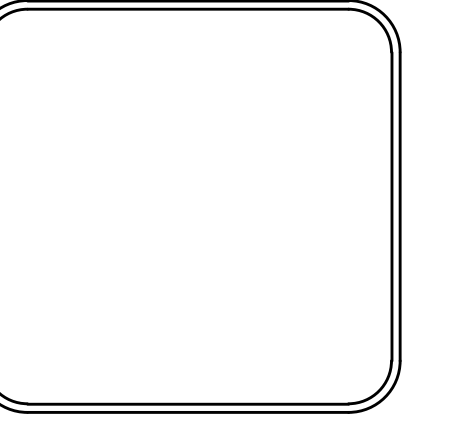
STA 25+93 RT CONC

REVISIONS	DATE

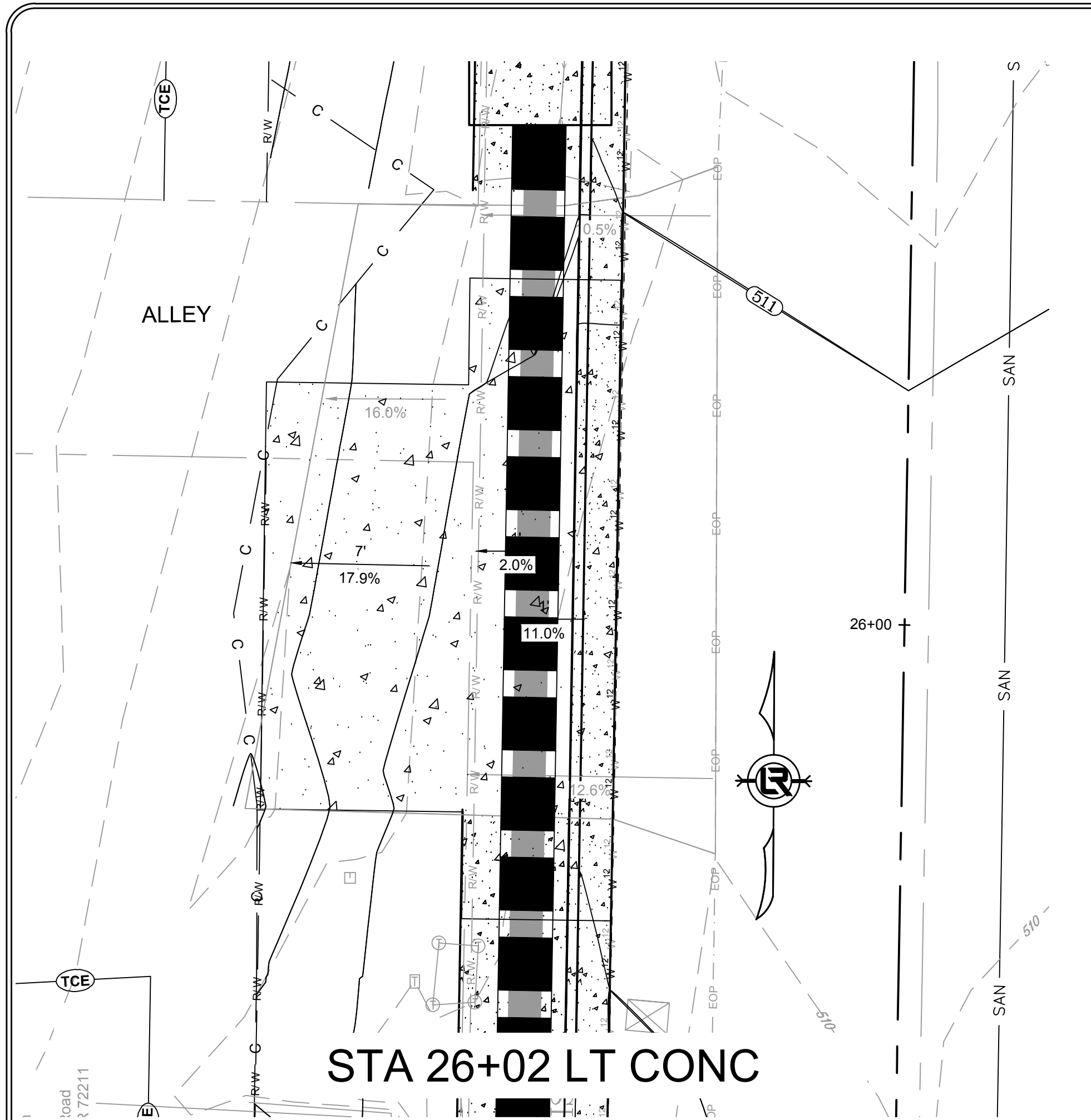
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 DRIVEWAY PROFILES
DRIVEWAY 4

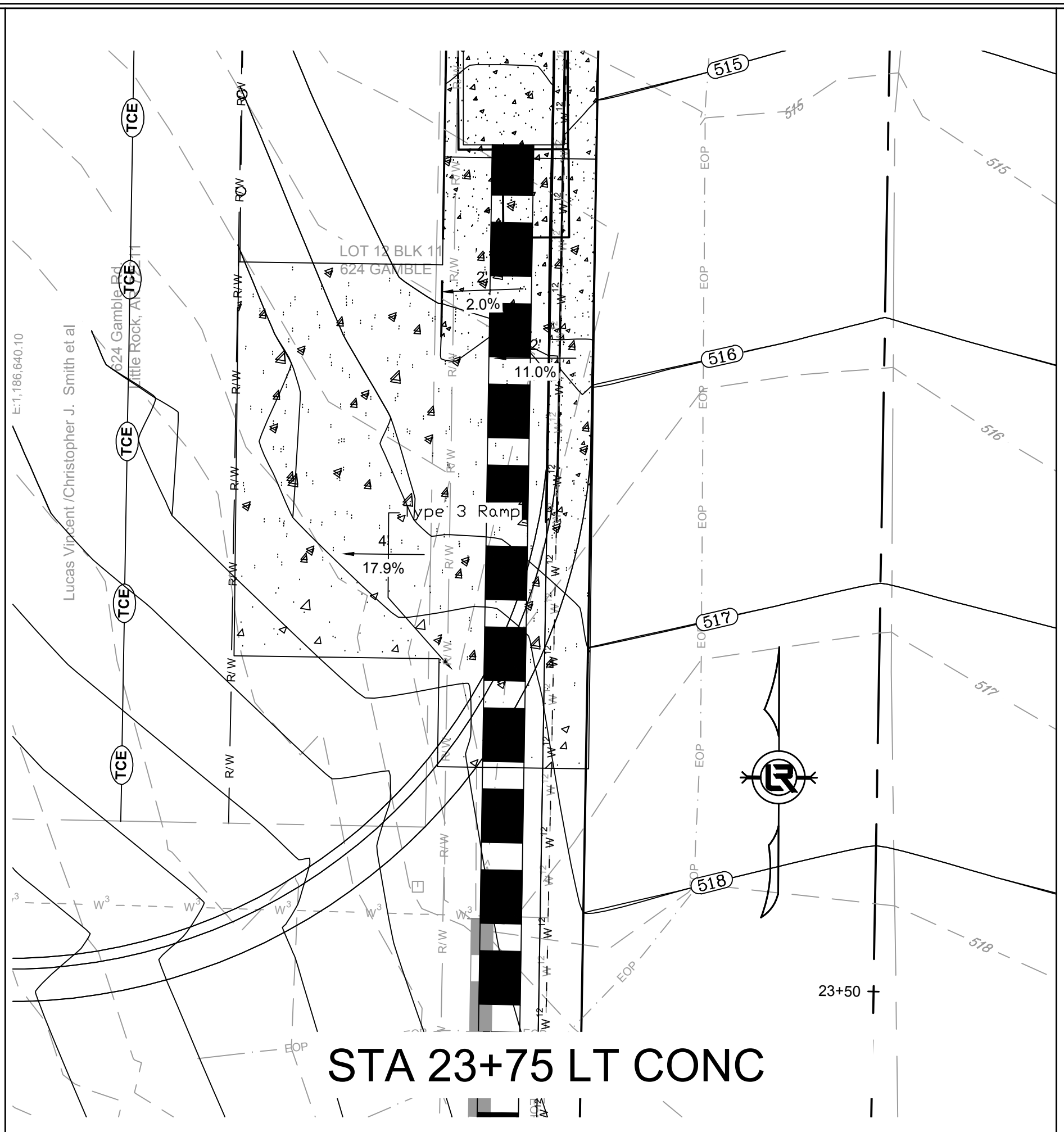
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE 1" = 5'
PROJECT NO. 16-5-ST-15
SHEET NO. C14



STA 26+02 LT CONC



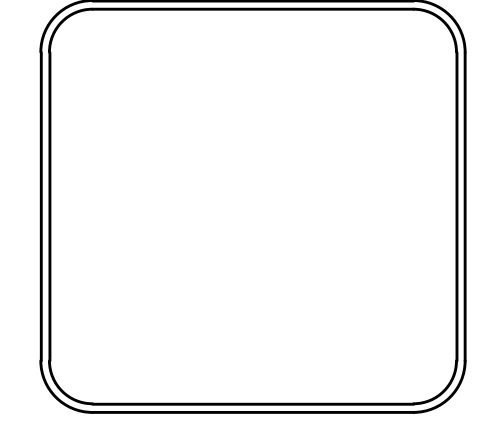
STA 23+75 LT CONC

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 DRIVEWAY PROFILES
DRIVEWAY 5

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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE 1" = 5'
PROJECT NO. 16-5-ST-15
SHEET NO. C15

REVISED PER ADDENDUM 1,
3/4/2020

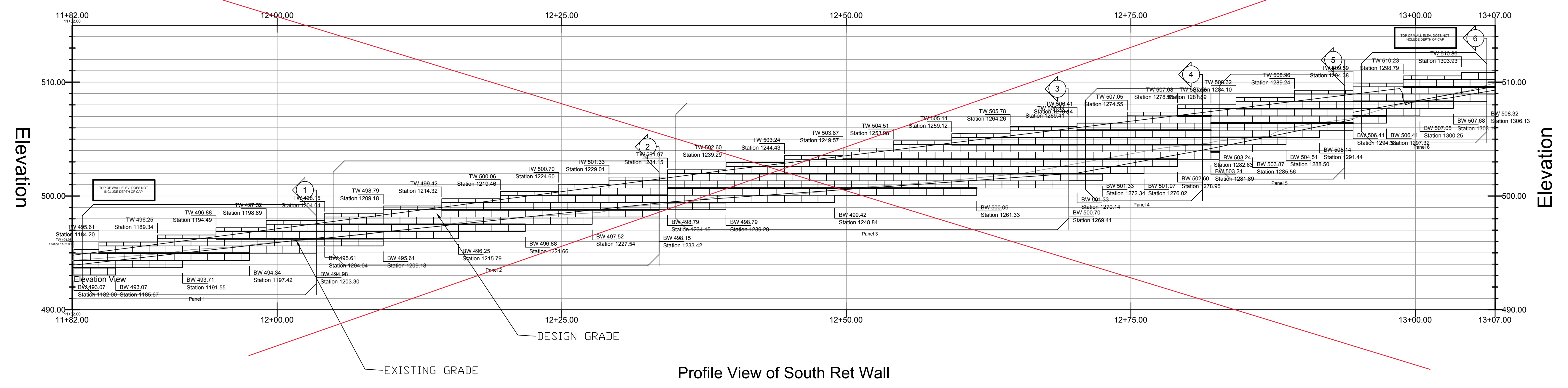
REVISIONS	DATE

100% SUBMITTAL

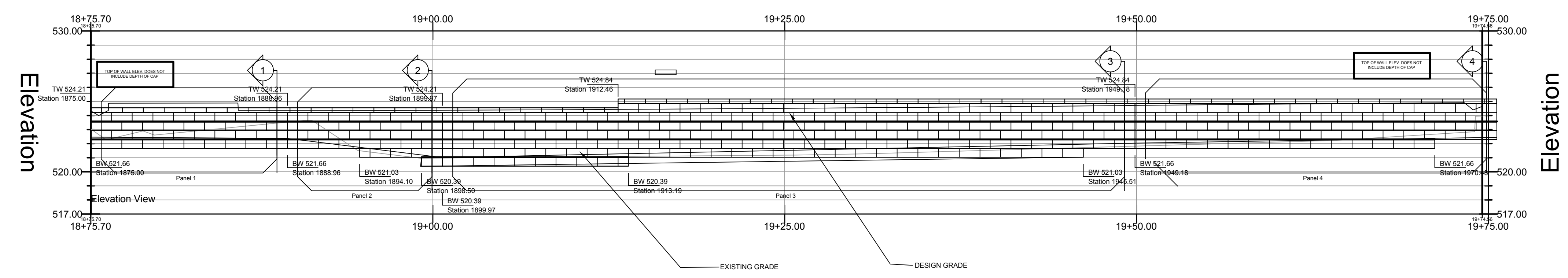
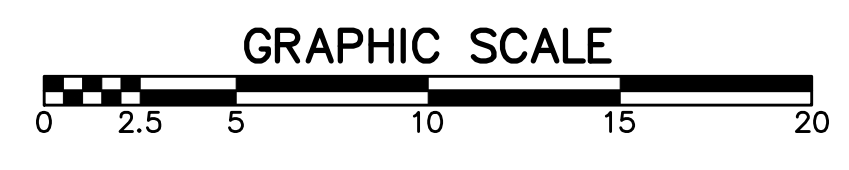
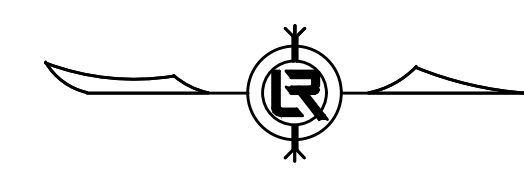
CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

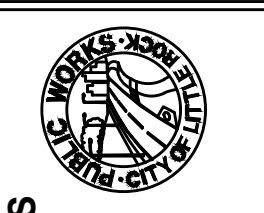
SOUTH RETAINING WALL



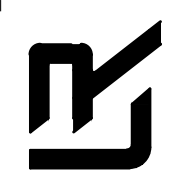
Profile View of South Ret Wall



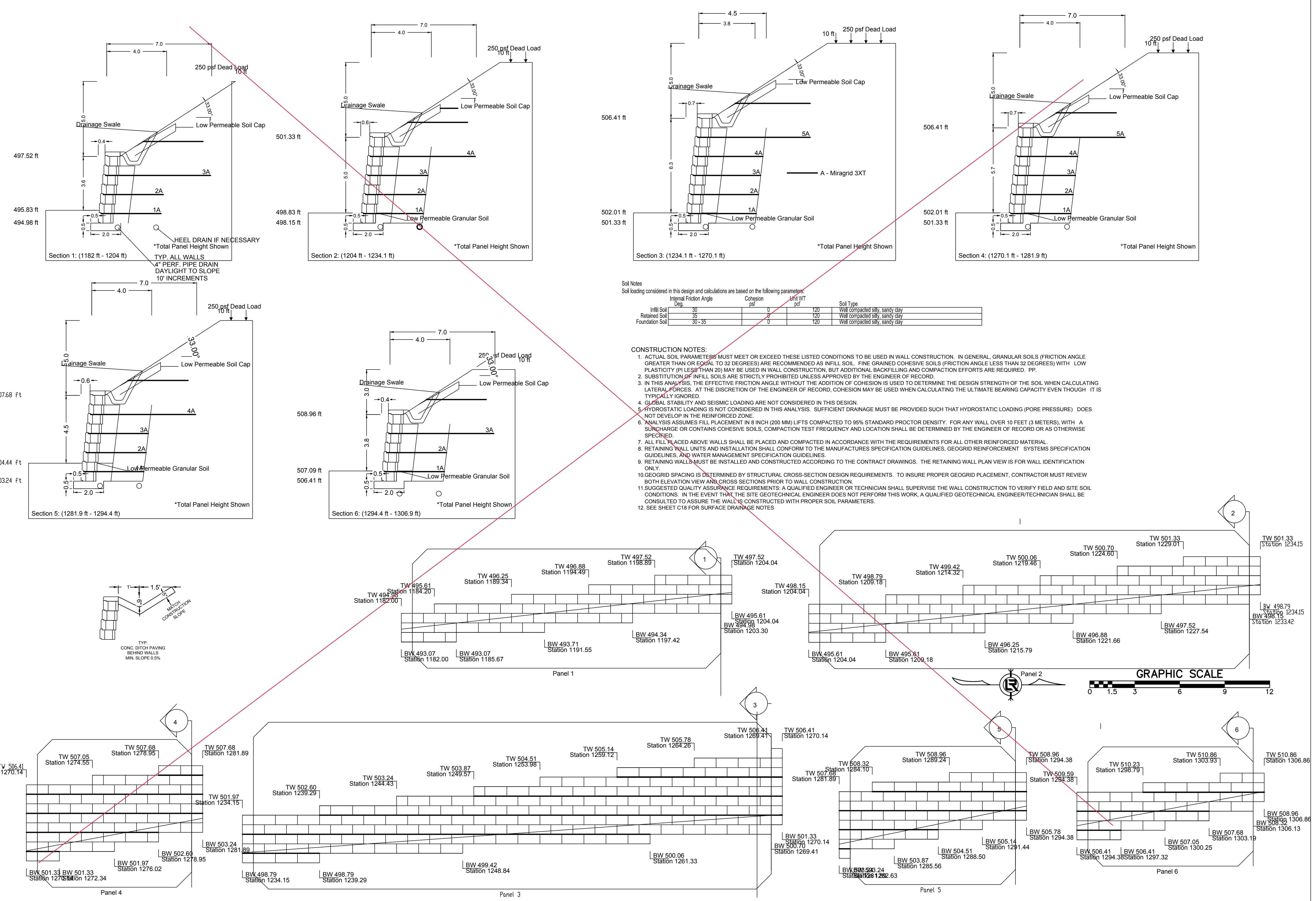
Profile View of North Ret Wall



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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE 1"=5'
PROJECT NO. 16-5-ST-15
SHEET NO. C16

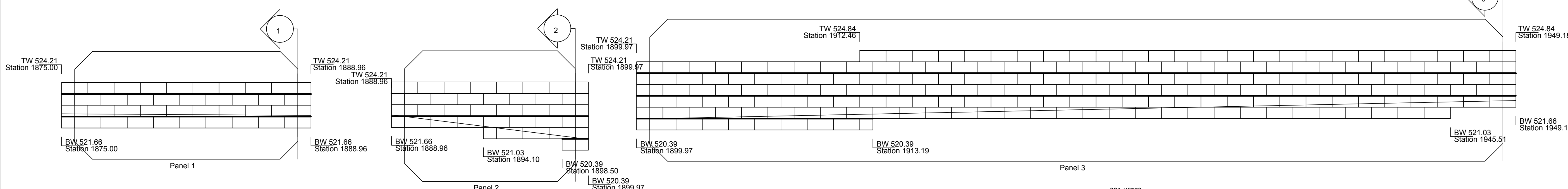
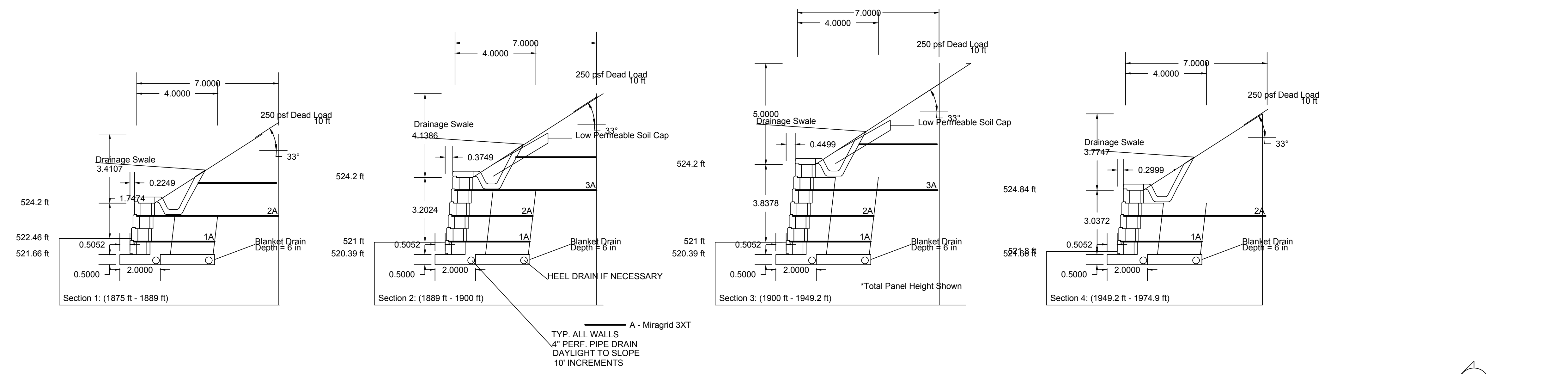


REVISED PER ADDENDUM 1,
3/4/2020

REVISIONS	DATE

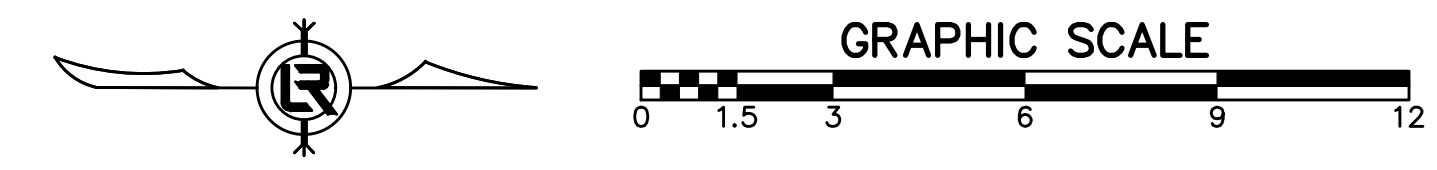
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
NORTH RETAINING WALL DETAILS



SOIL NOTES
SOIL LOADING CONSIDERED IN THIS DESIGN AND CALCULATIONS ARE BASED ON THE FOLLOWING PARAMETERS:

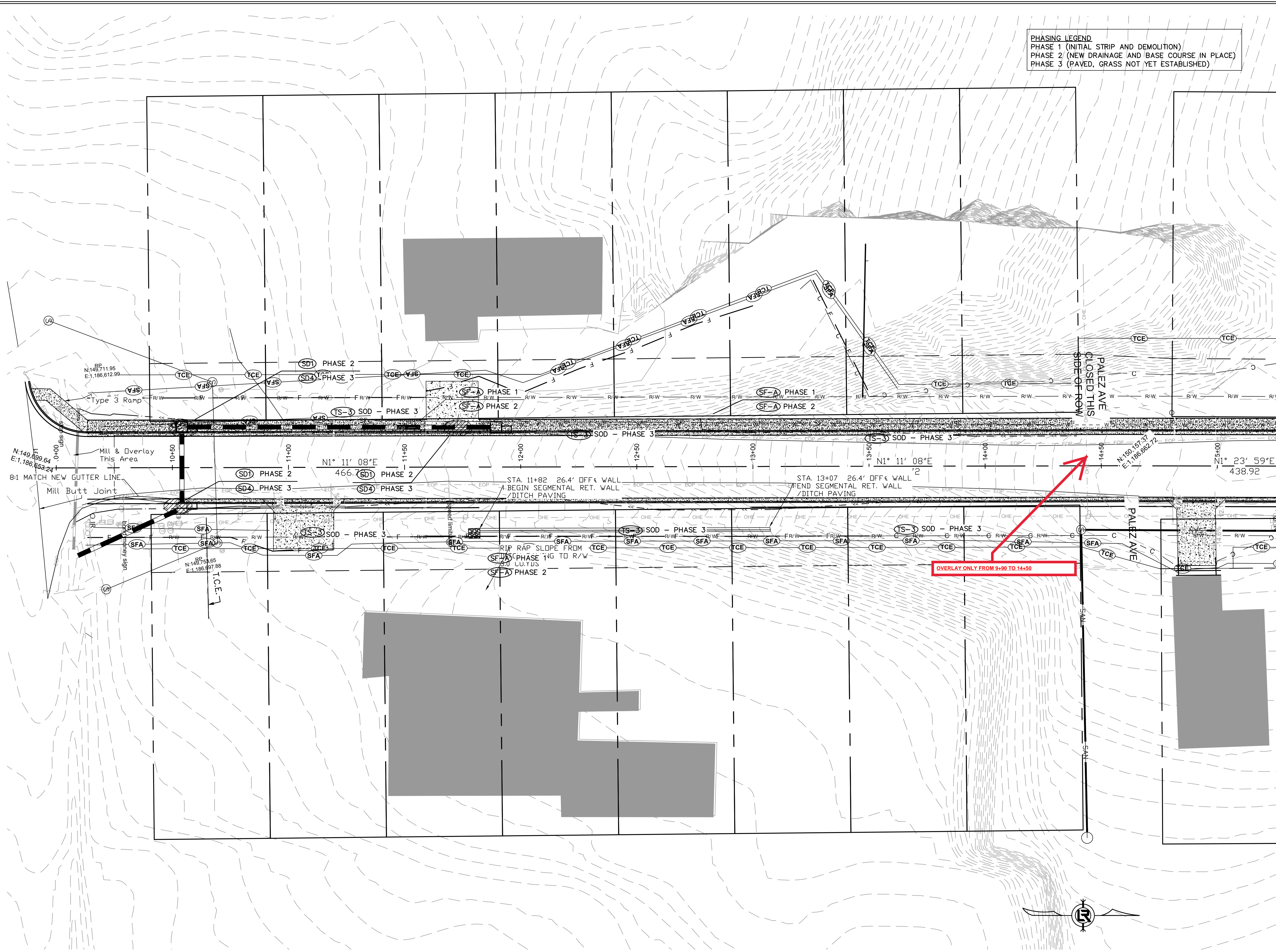
	Internal Friction Angle DEG.	COHESION PSF	Unit WT PCF	SOIL TYPE
INFILL SOIL	30	0	120	WELL COMPACTED SILTY SANDY CLAY
RETAINED SOIL	35	0	120	WELL COMPACTED SILTY SANDY CLAY
FOUNDATION SOIL	30-35	0	120	WELL COMPACTED SILTY SANDY CLAY



SURFACE DRAINAGE NOTES:

- 1 RAINFALL AND OTHER WATER SOURCES SUCH AS IRRIGATION ACTIVITIES CAN BE DEFINED AS SURFACE WATER. THE RETAINING WALL DESIGN SHALL TAKE INTO CONSIDERATION THE MANAGEMENT OF THIS WATER.
 - 2 SITE GRADING SHALL BE DESIGNED TO ROUTE SURFACE WATER AROUND AND AWAY FROM THE WALL.
 - 3 THE INTERNAL DRAINAGE SYSTEM OF THE RETAINING WALL IS DESIGNED TO REMOVE INCIDENTAL WATER THAT INFILTRATES INTO THE SOIL BEHIND THE WALL. ADEQUATE STORM WATER DRAINAGE SYSTEMS ARE REQUIRED TO COMPLETELY DRAIN THE AREA AROUND THE RETAINING WALL STRUCTURE.
 - 4 DRAIN PIPING, TOE DRAIN, SHOULD BE LOCATED AT THE BACK OF THE ROCK DRAIN FIELD BEHIND THE WALL AS CLOSE TO THE BOTTOM OF THE WALL AS ALLOWED WHILE STILL MAINTAINING A POSITIVE GRADIENT FOR DRAINAGE TO DAYLIGHT, OR TO A STORM WATER MANAGEMENT SYSTEM.
 - 5 A HEEL DRAIN MAY BE REQUIRED AT BACK OF THE CUT TO ROUTE WATER AWAY FROM THE REINFORCED SOIL MASS DURING THE CONSTRUCTION PROCESS.
 - 6 GROUND WATER CAN BE PRESENT WITHIN THE SOIL DUE TO SURFACE INFILTRATION OR WATER TABLE FLUCTUATION. IF GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION, AN ADEQUATE DRAINAGE SYSTEM MUST BE INSTALLED OR THE WALL DESIGN MUST CONSIDER THE PRESENCE OF WATER WITHIN THE SOIL MASS.
 - 7 ALL WATER COLLECTION DEVICES SUCH AS ROOF DOWNSPOUTS, STORM SEWERS, AND CURB GUTTERS MUST BE DESIGNED TO ACCOMMODATE MAXIMUM FLOW RATES AND OUTLET OUTSIDE THE RETAINING WALL AREA.
 - 8 RETAINING WALLS IN CONDITIONS THAT ALLOW STANDING WATER TO OVERLAP THE WALL FACE ARE CONSIDERED WATER APPLICATIONS. THESE WALLS REQUIRE SPECIFIC DESIGN AND CONSTRUCTION STEPS TO ENSURE PERFORMANCE.
- SEE SHEET C17 FOR CONSTRUCTION NOTES

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE 1"=3'
PROJECT NO. 16-5-ST-15
SHEET NO. C18



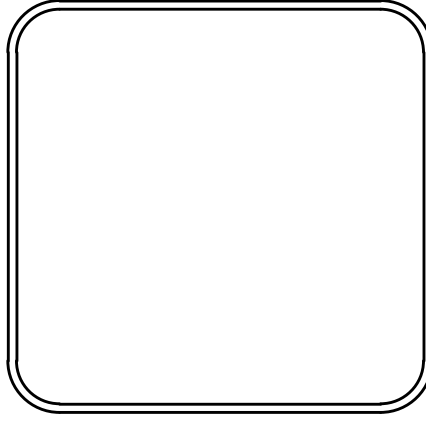
PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

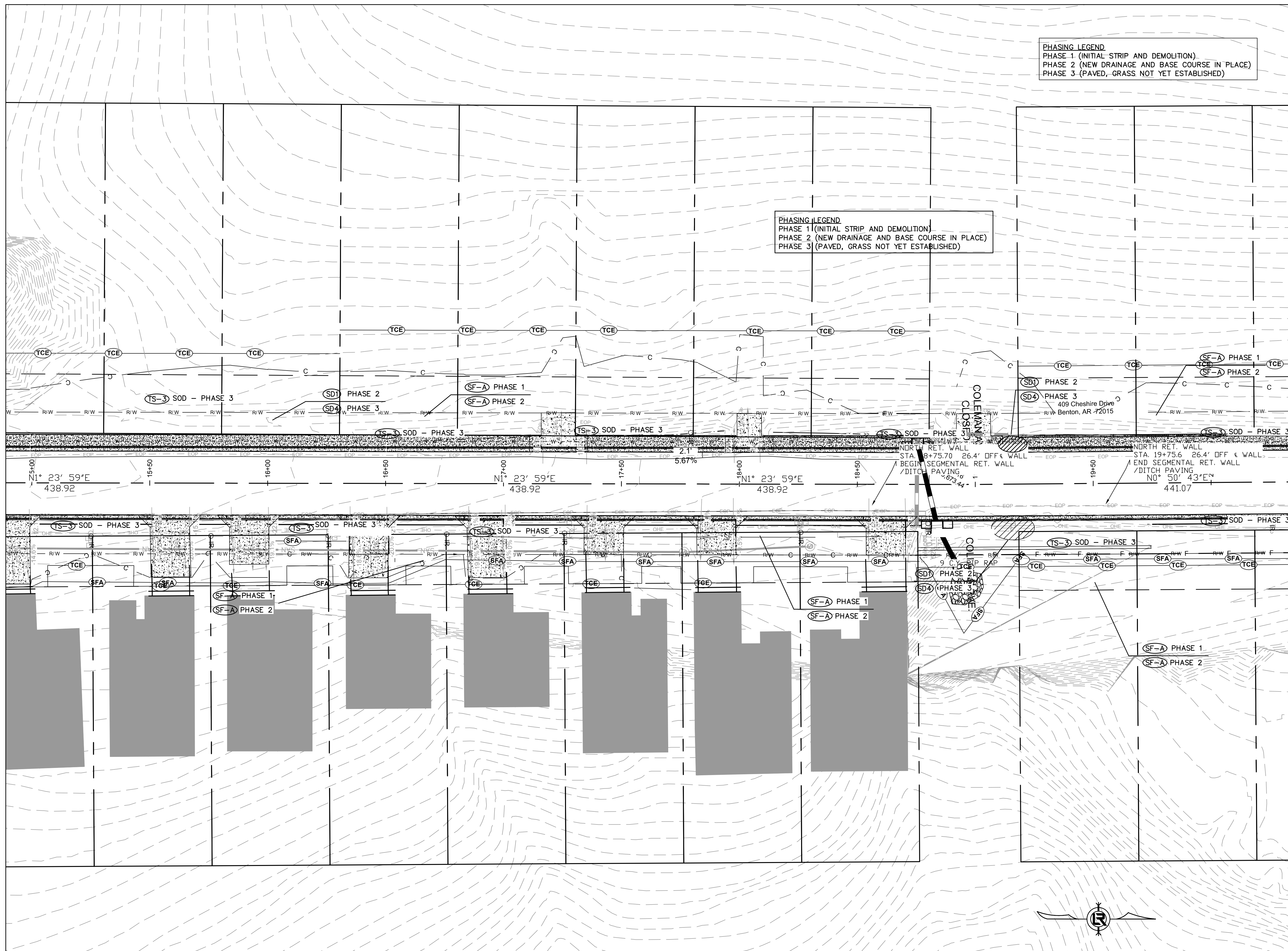
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
 GAMBLE RD
 EROSION 1

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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C19



PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

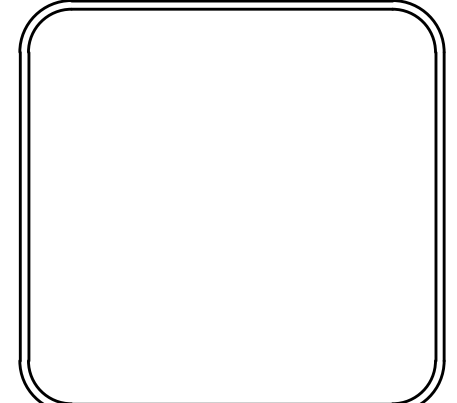
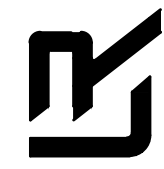
REVISIONS	DATE

100% SUBMITTAL

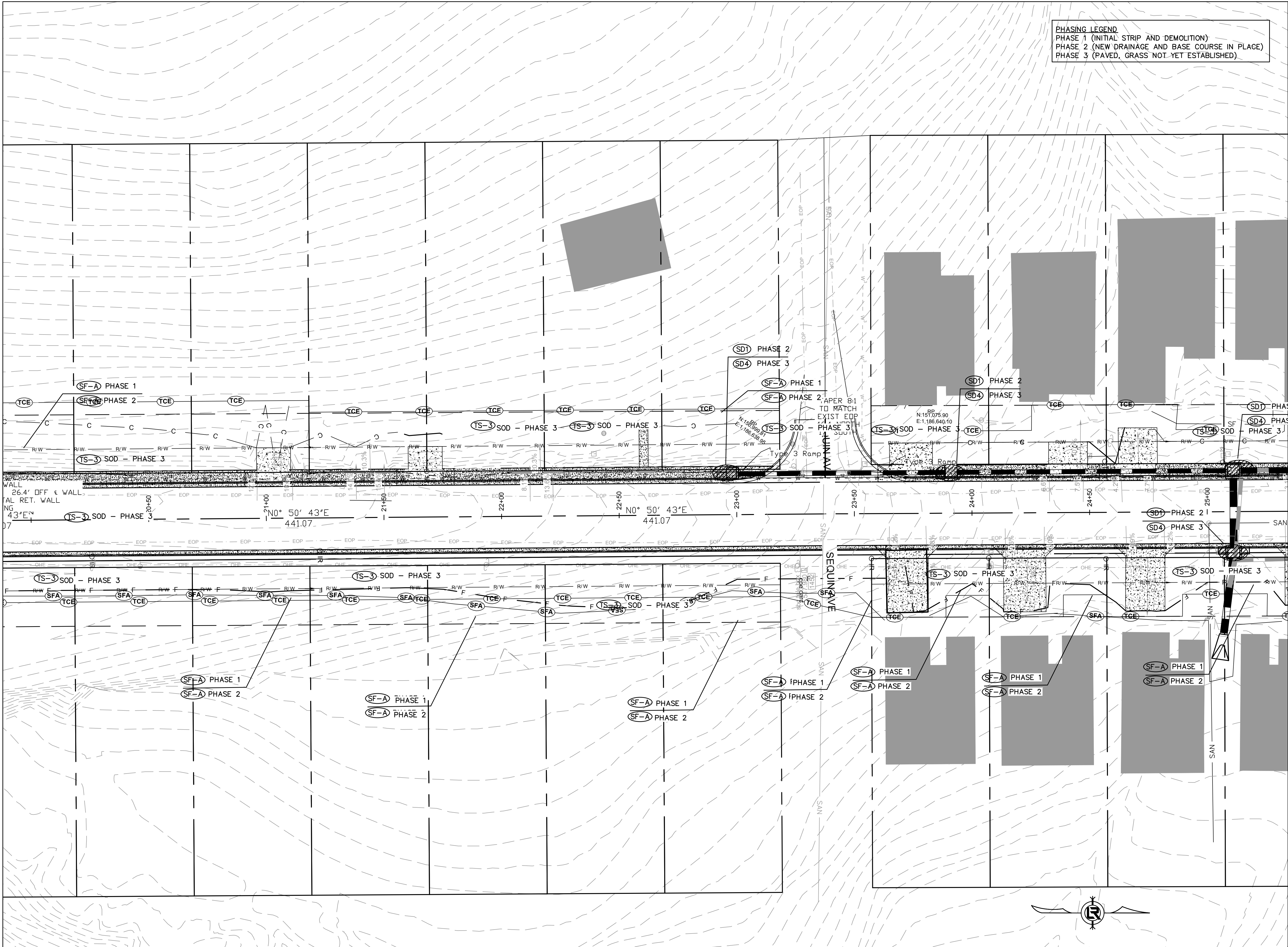
CITY OF LITTLE ROCK, ARKANSAS
 GAMBLE RD
 EROSION 2



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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C20



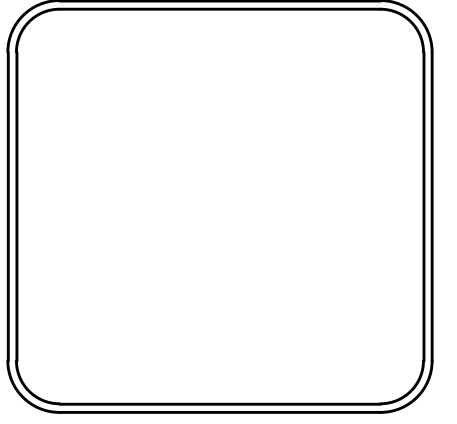
PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

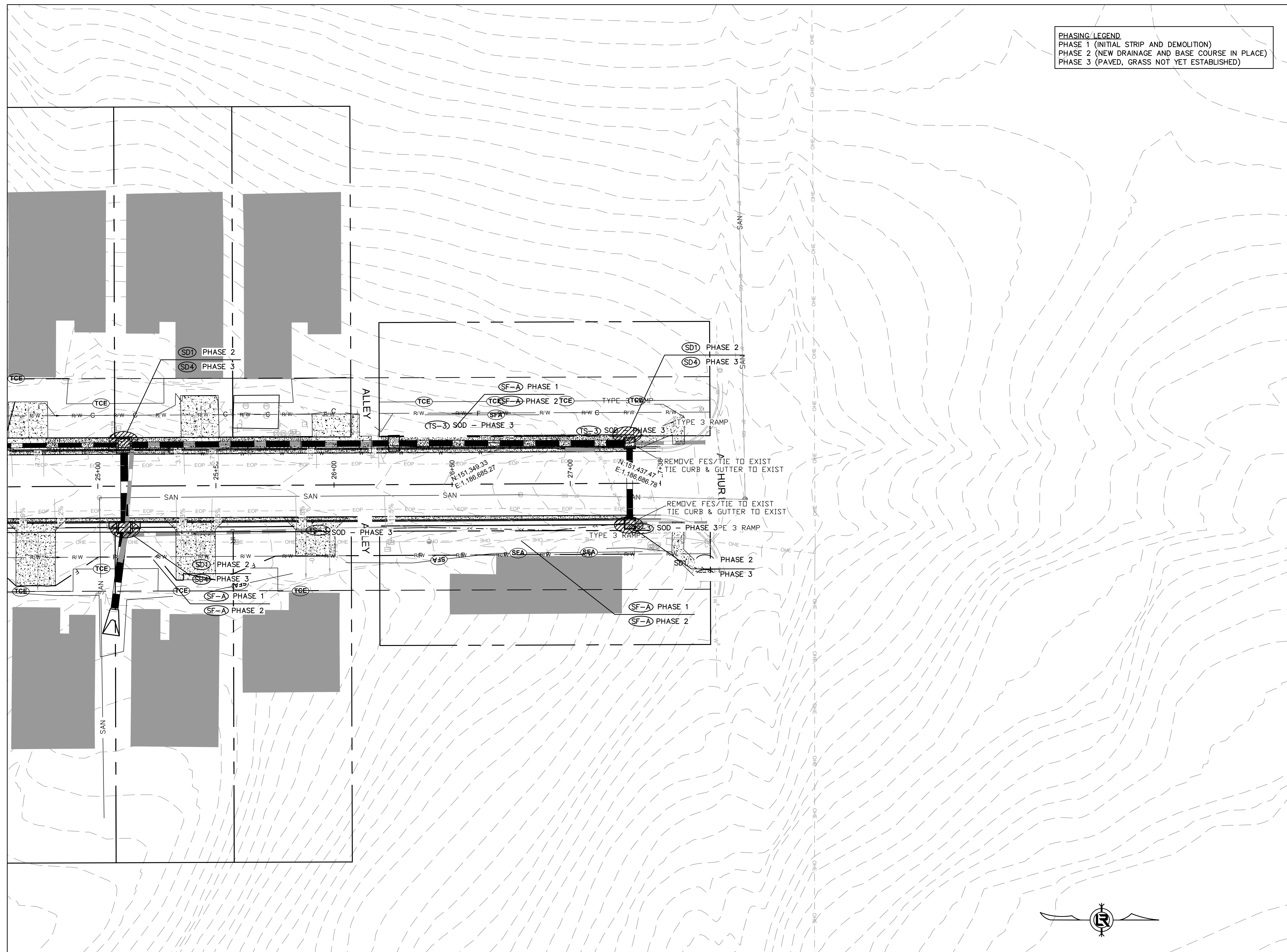
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
 GAMBLE RD
 EROSION 3

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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C21



PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

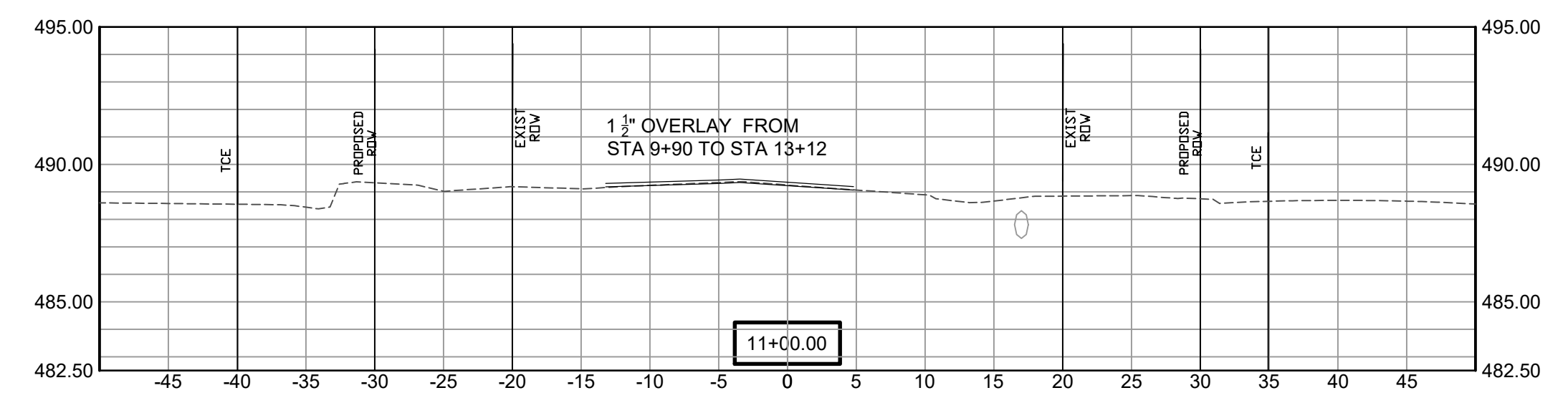
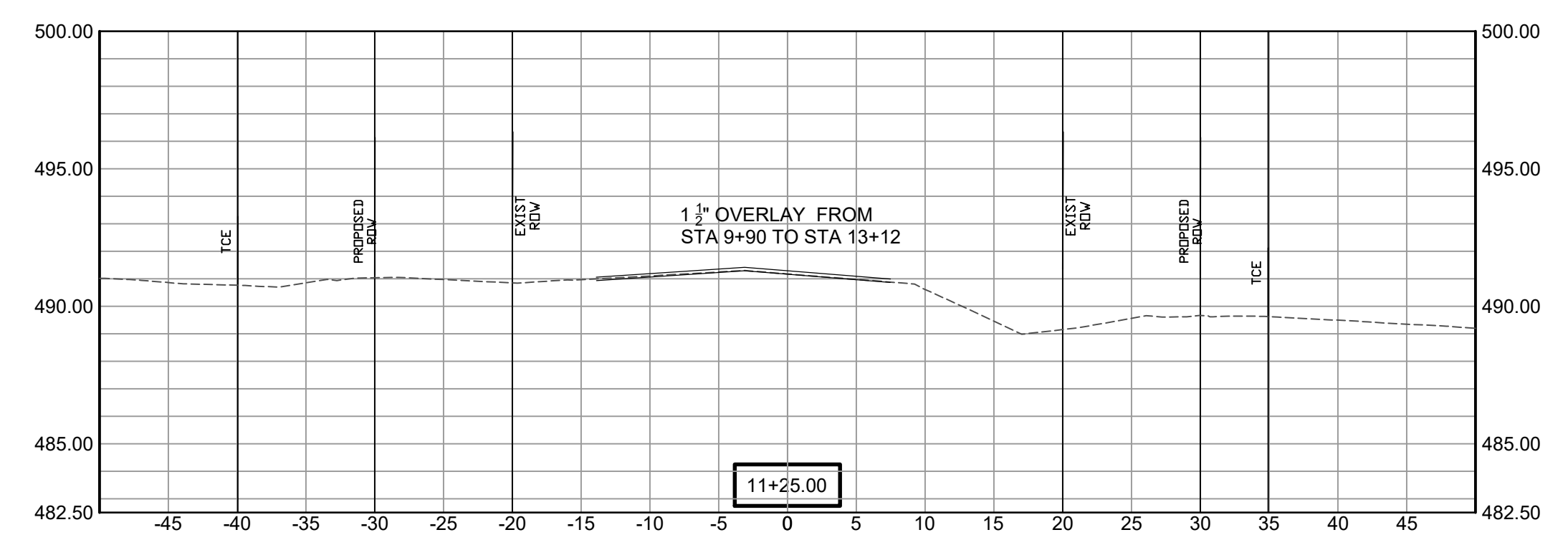
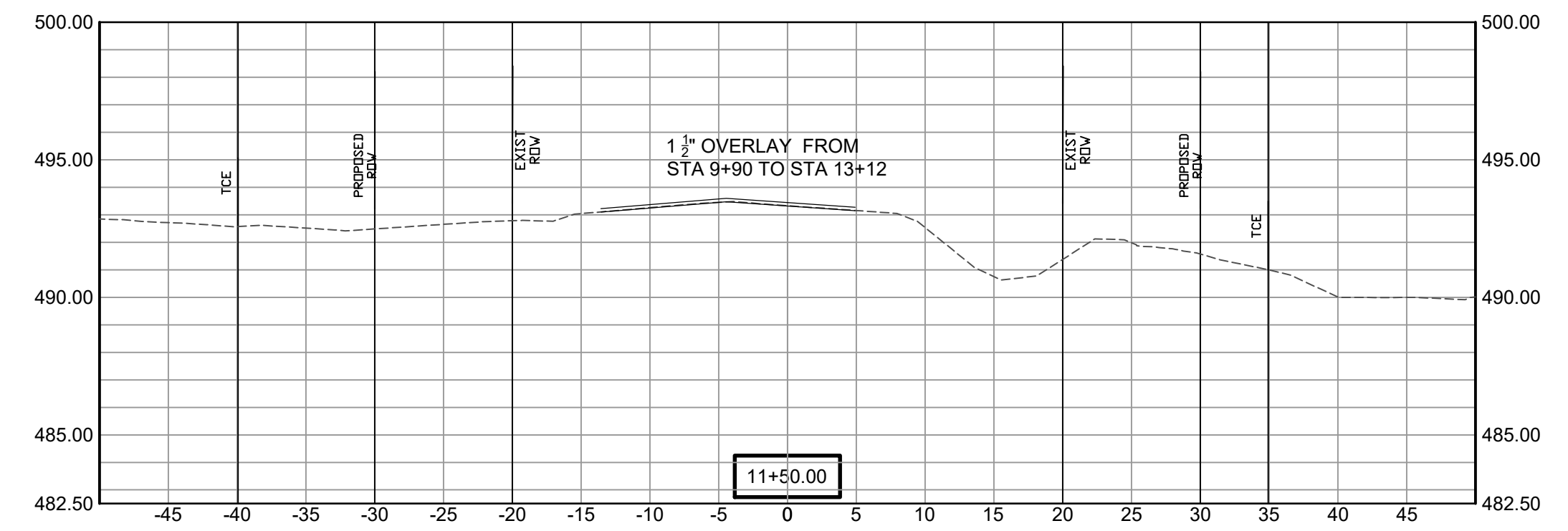
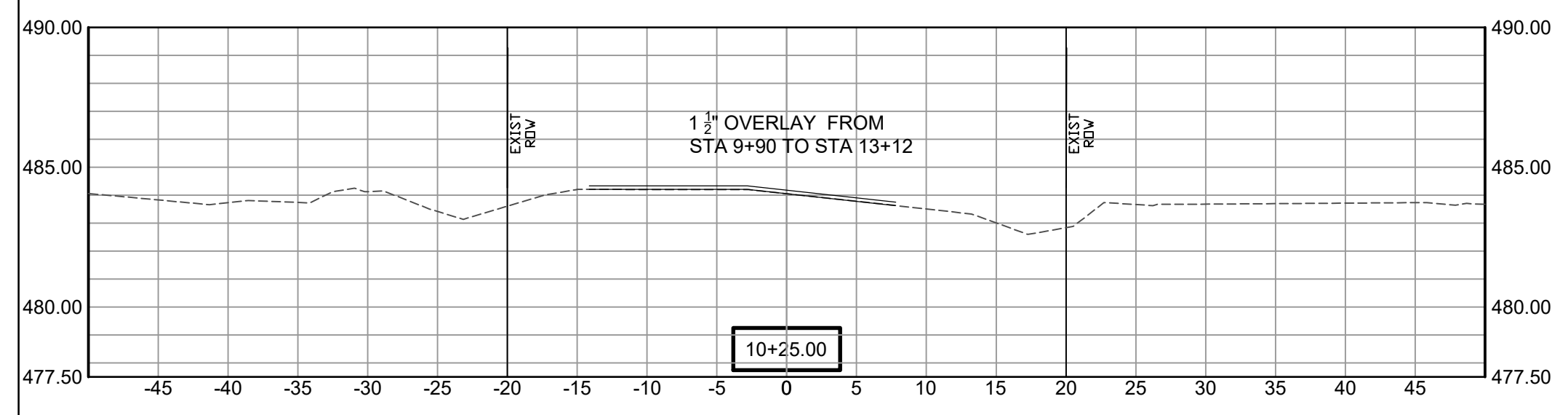
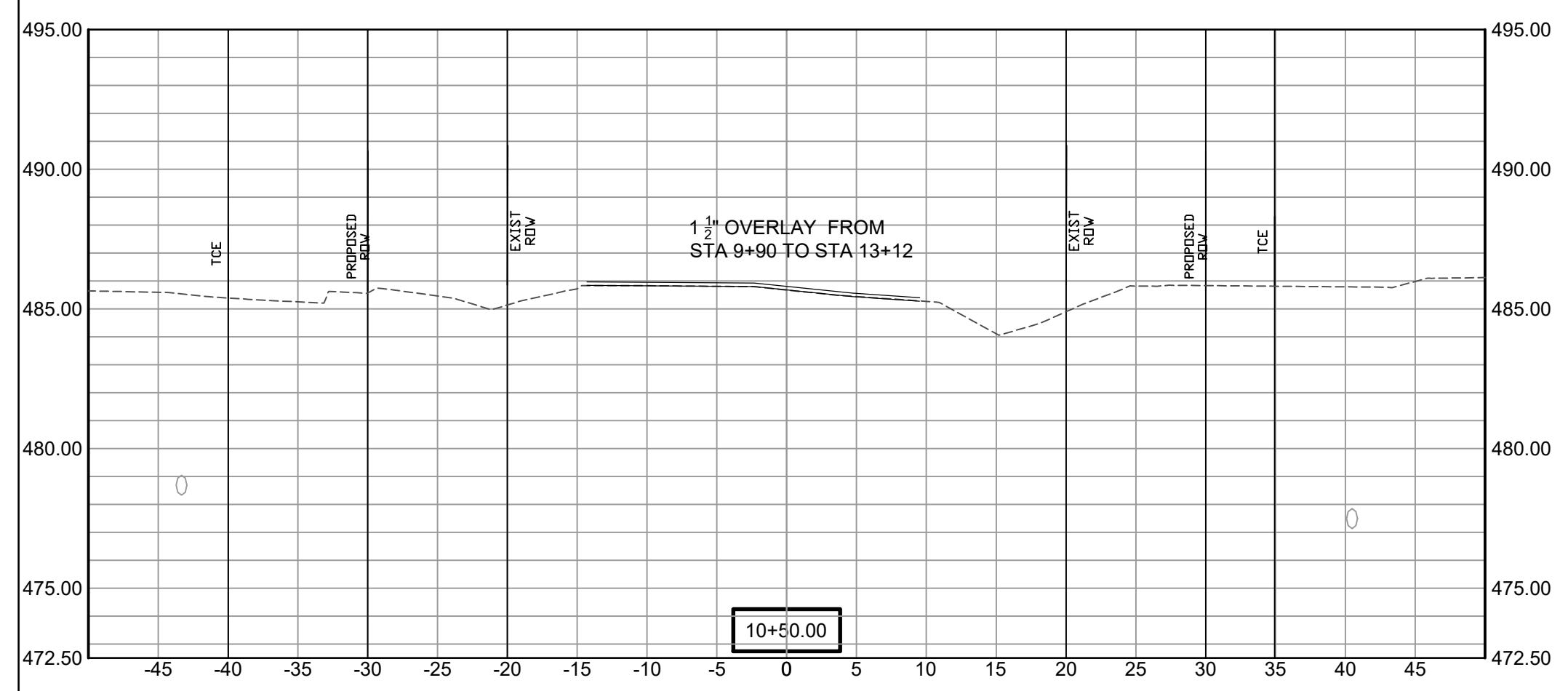
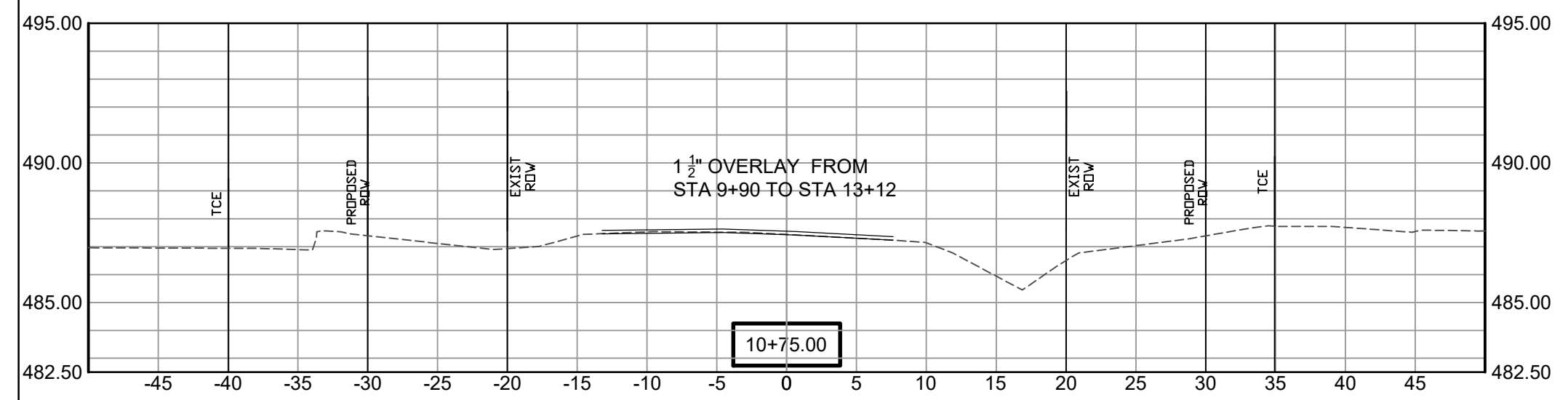
EROSION 4



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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C22



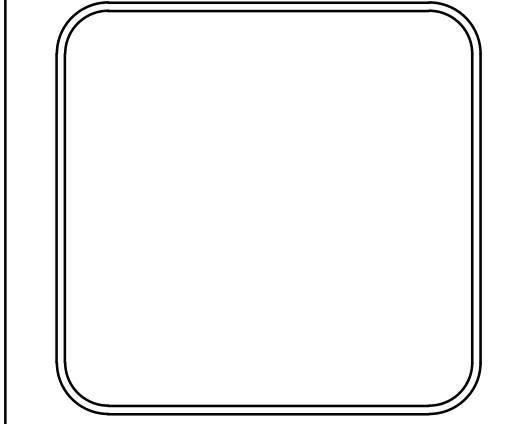
SCALE:
1"= 5'V
1"= 10'H

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 1

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




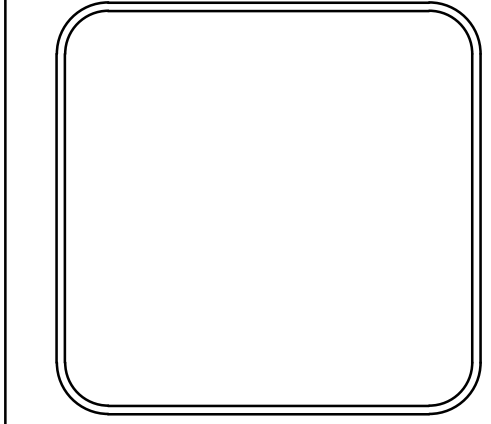
DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C23

REVISIONS	DATE

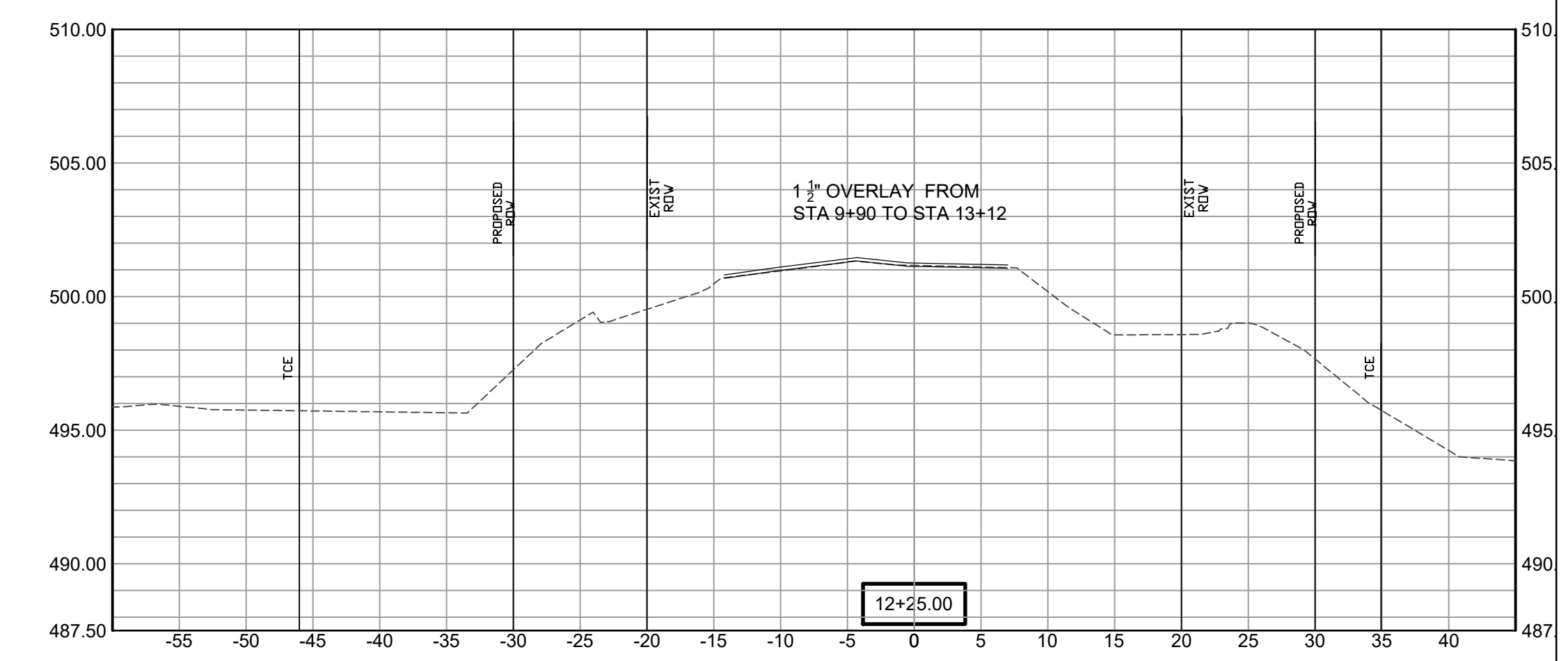
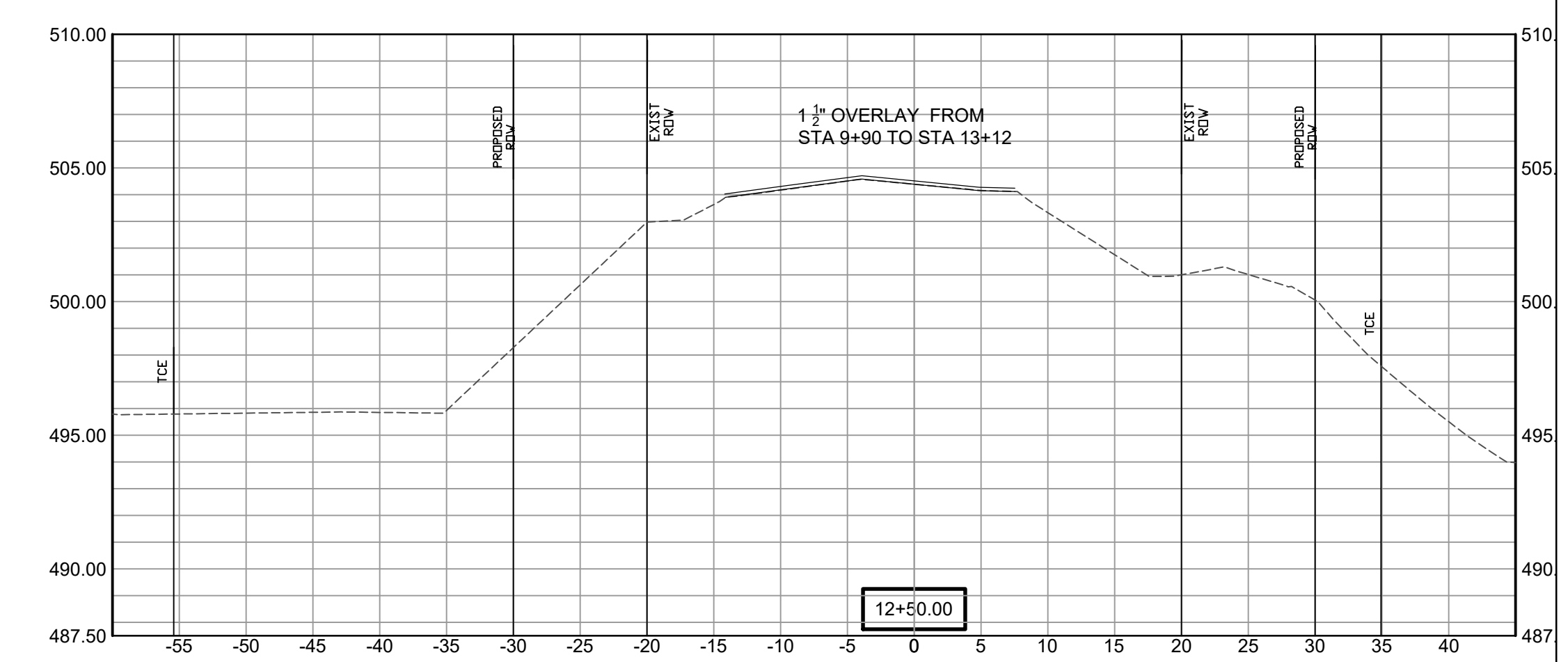
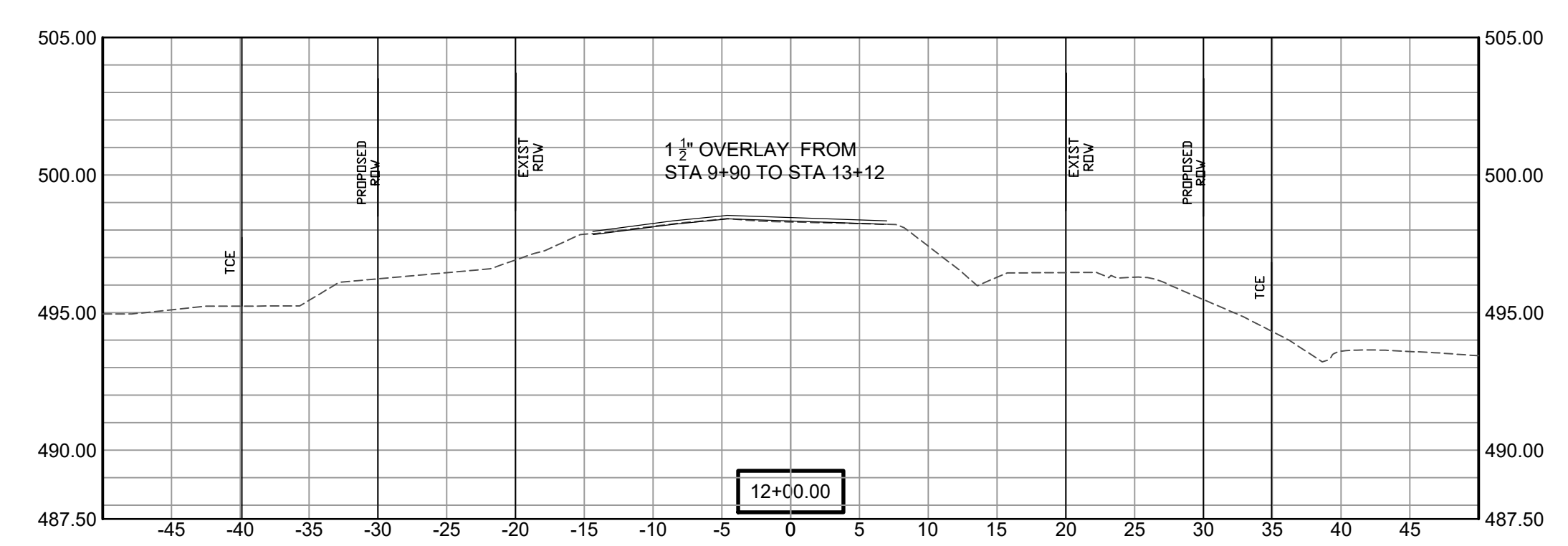
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 2


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



DRAWN BY
ZR
DESIGNED
RH
CHECKED
RH
DATE
2019-11-19
SCALE
AS NOTED
PROJECT NO.
16-5-ST-15
SHEET NO.
C24




SCALE:
1"= 5'V
1"= 10'H


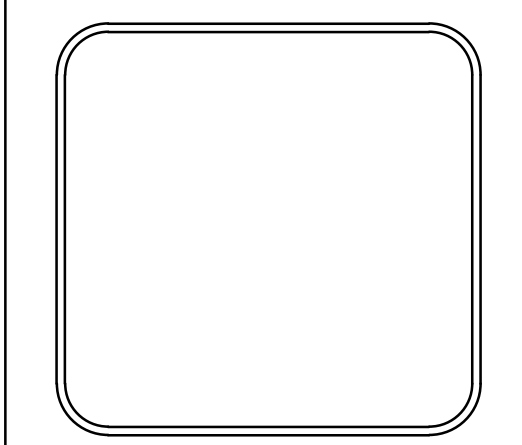
REVISIONS	DATE

100% SUBMITTAL

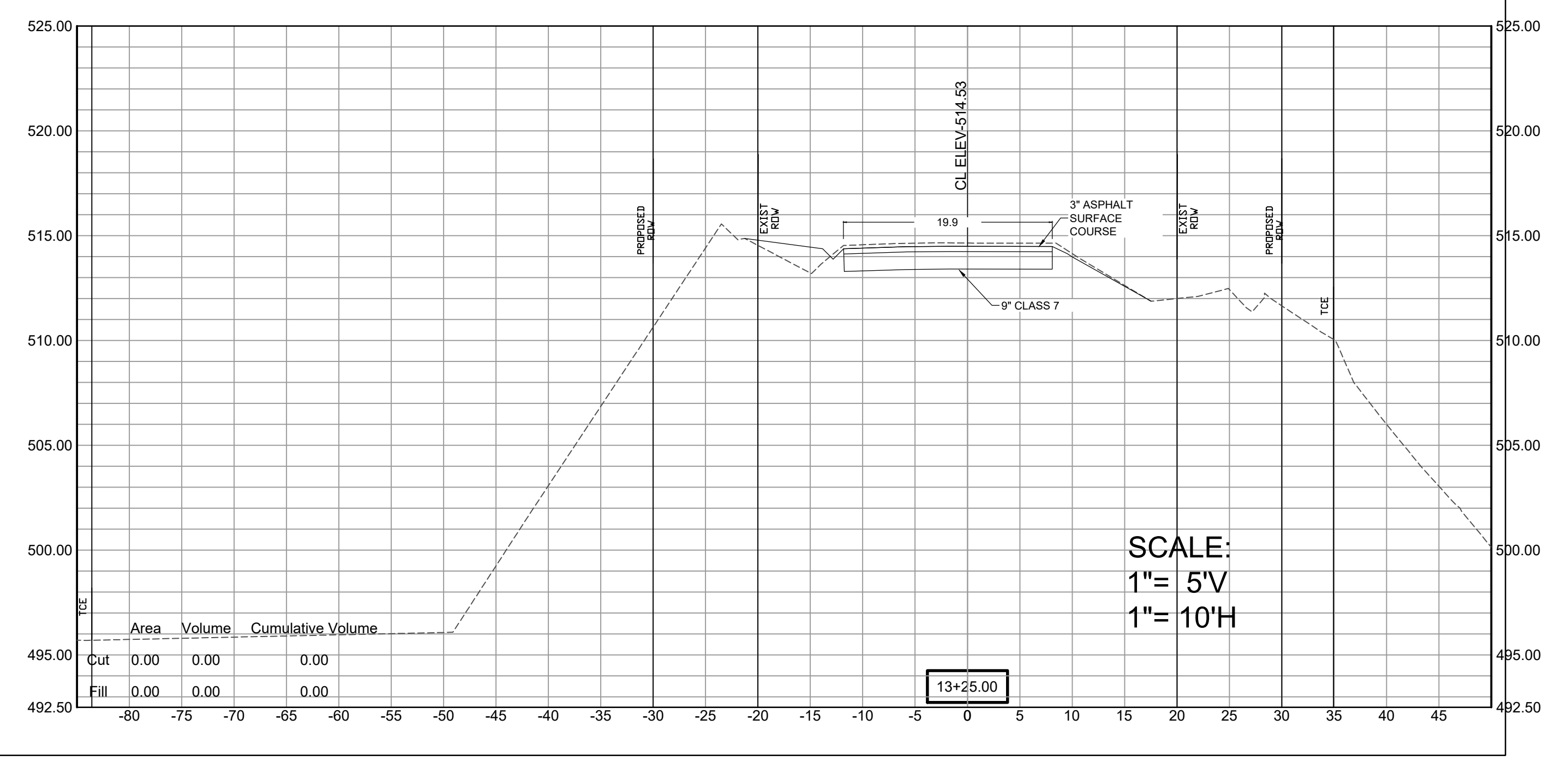
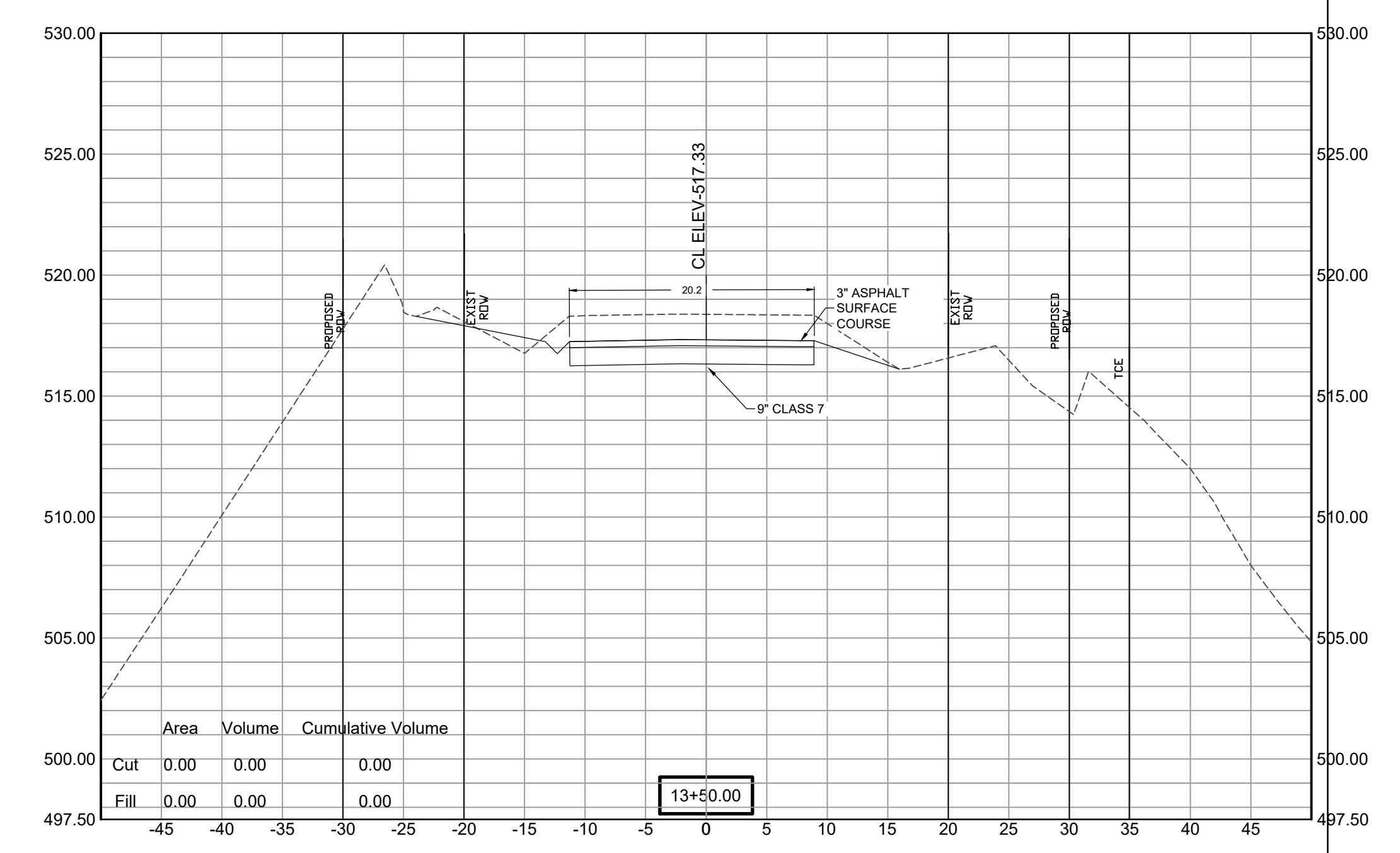
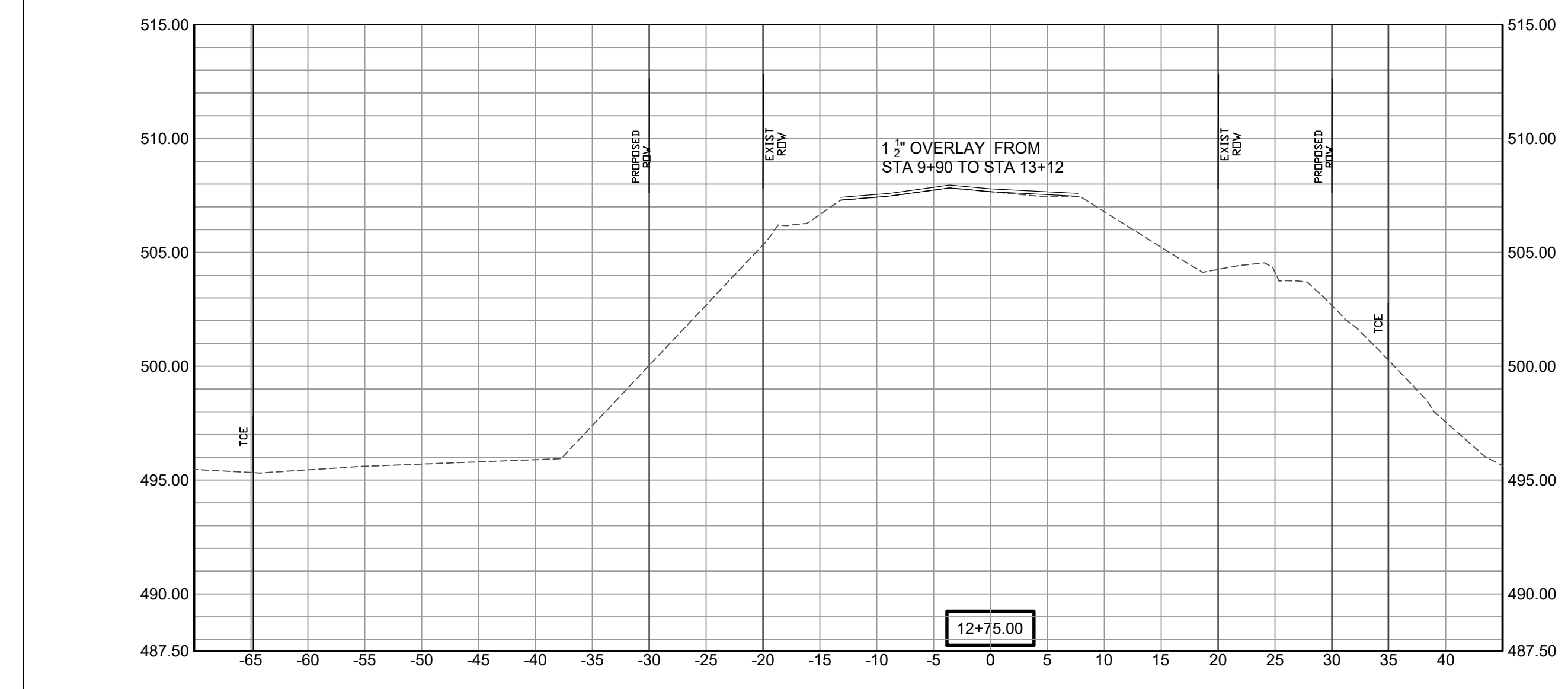
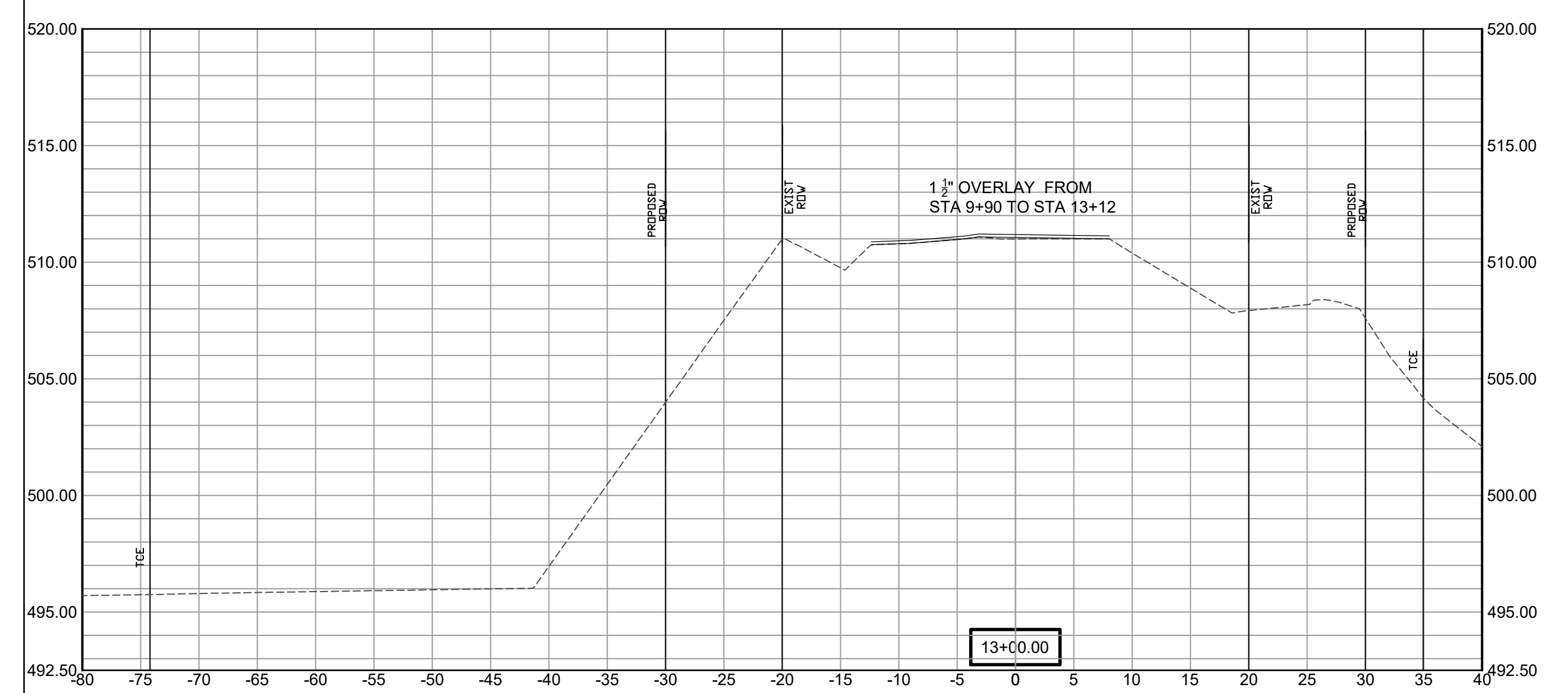
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 3



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C25

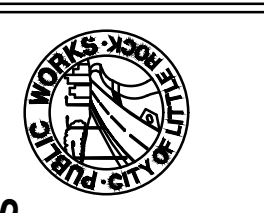


REVISED PER ADDENDUM 3,
3/12/2020

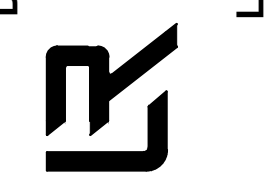
REVISIONS DATE

100% SUBMITTAL

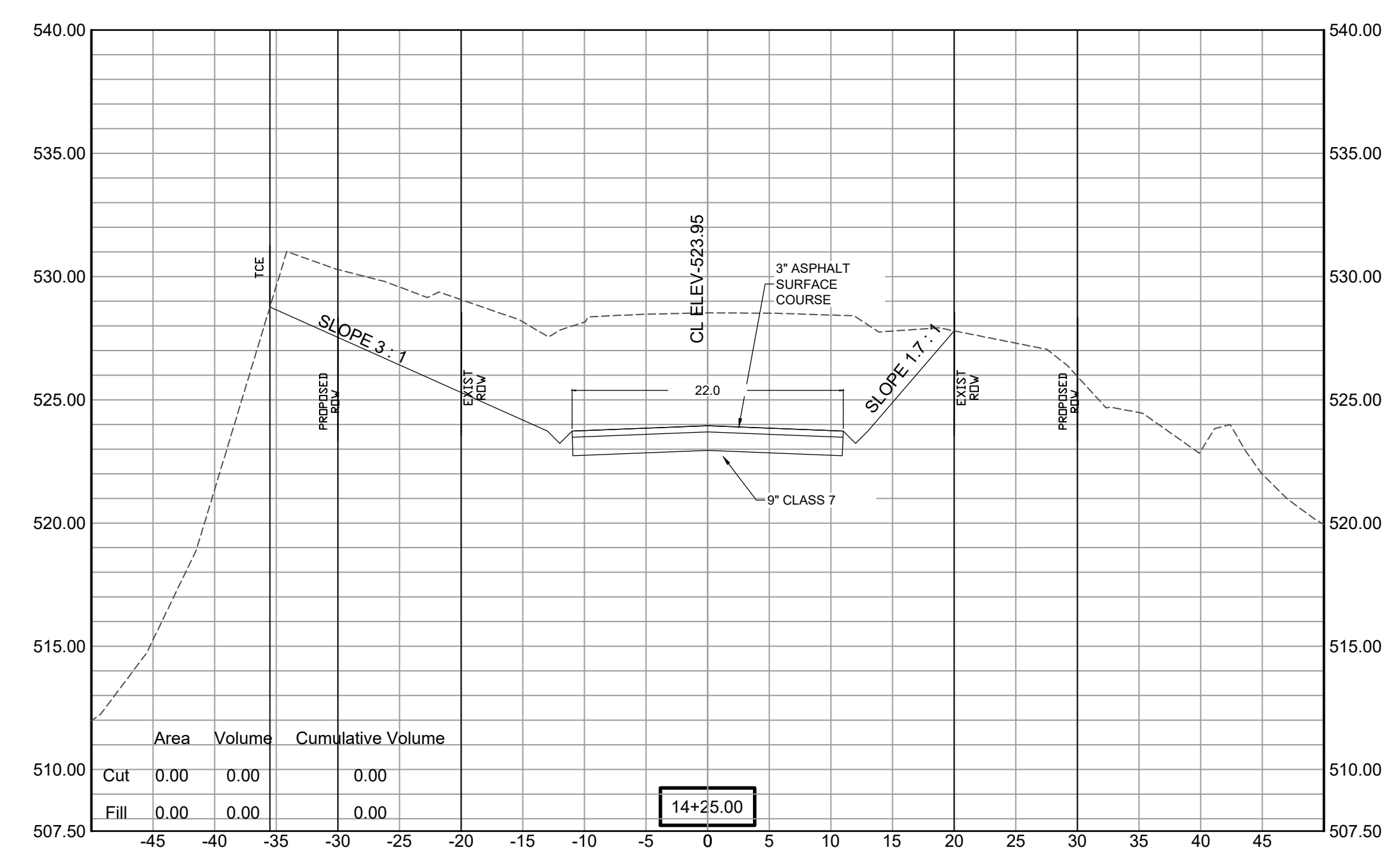
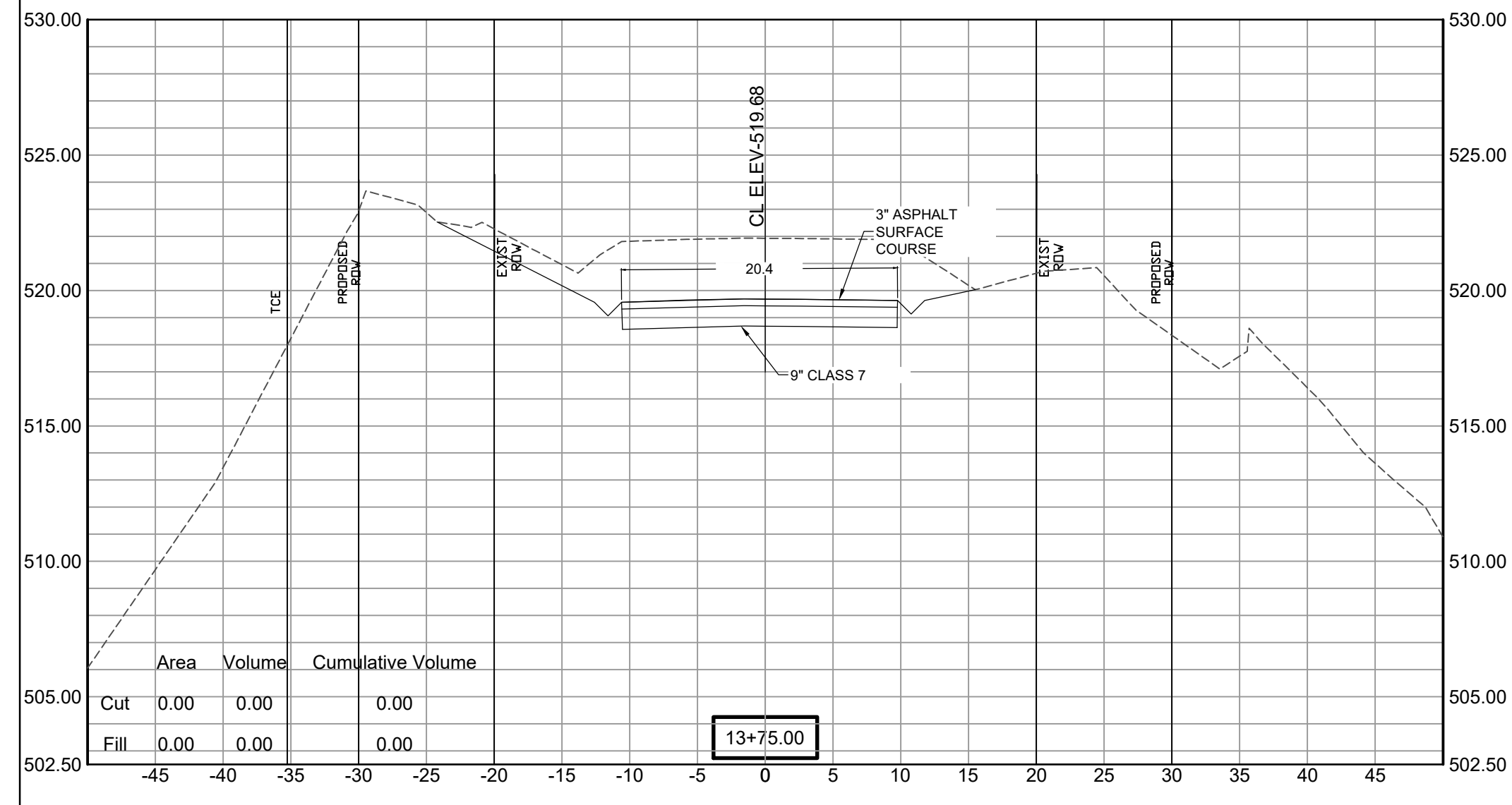
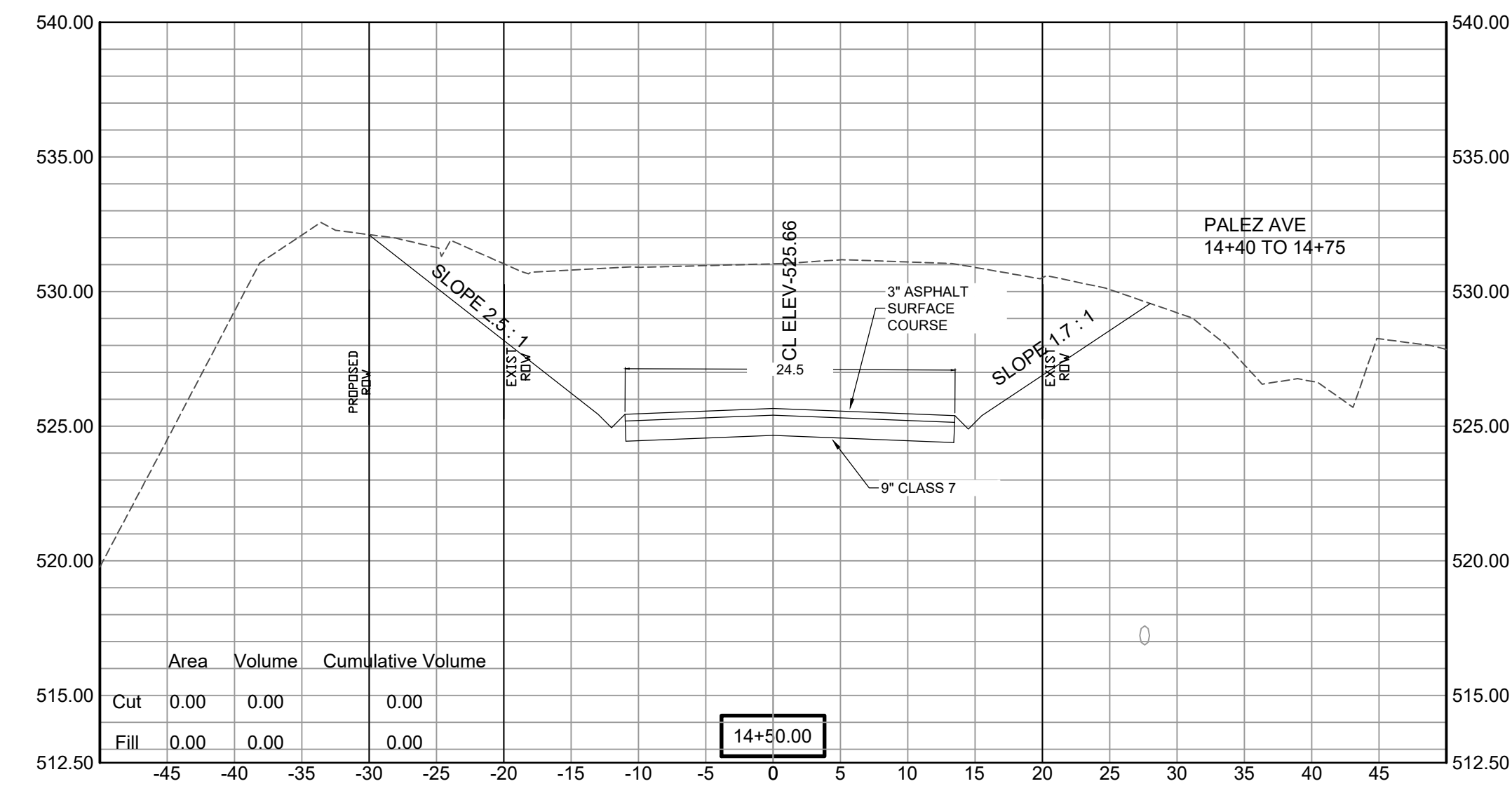
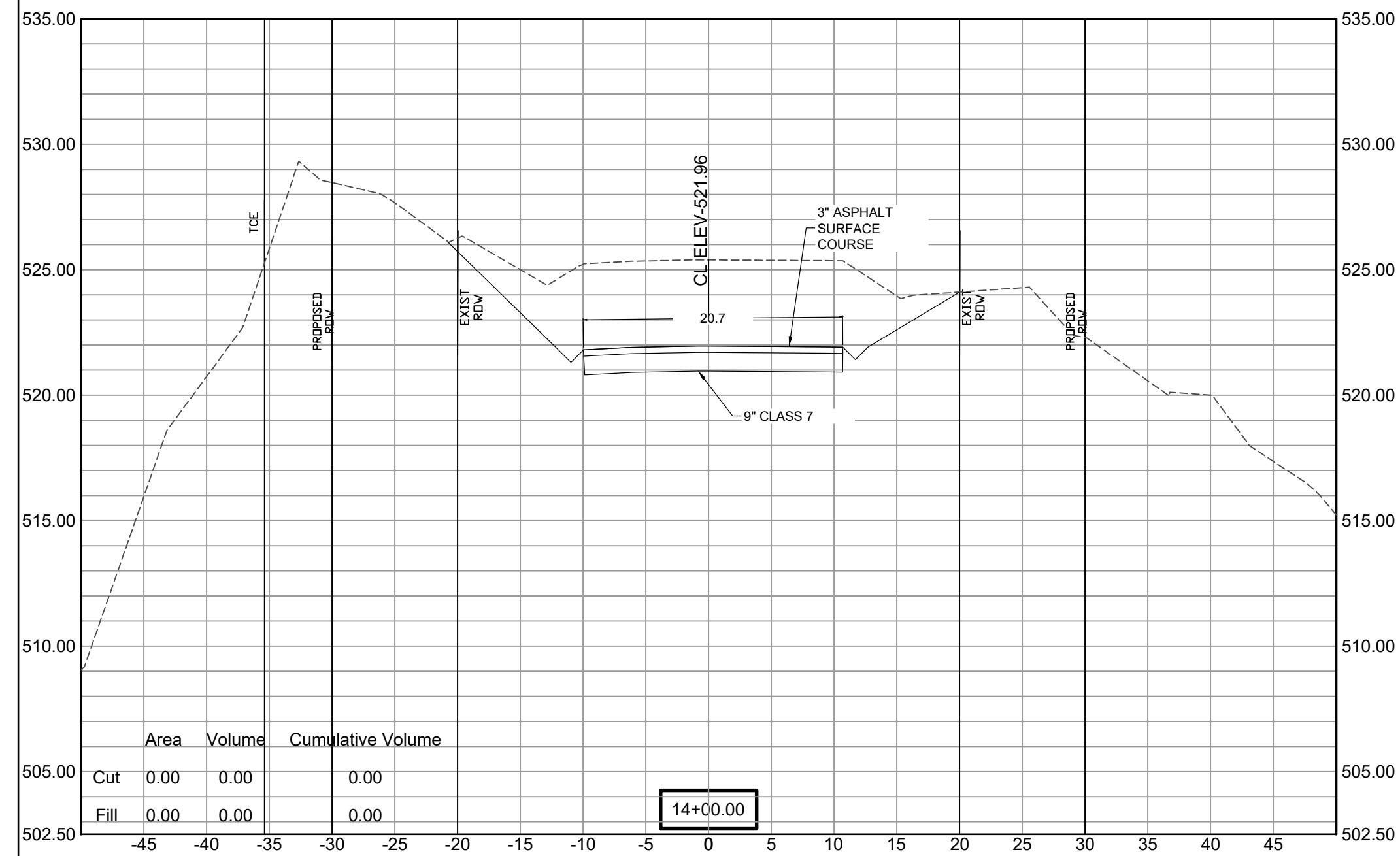
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 4



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



DRAWN BY
ZR
DESIGNED
RH
CHECKED
RH
DATE
2019-11-19
SCALE
AS NOTED
PROJECT NO.
16-5-ST-15
SHEET NO.
C26




SCALE:
1"= 5'V
1"= 10'H


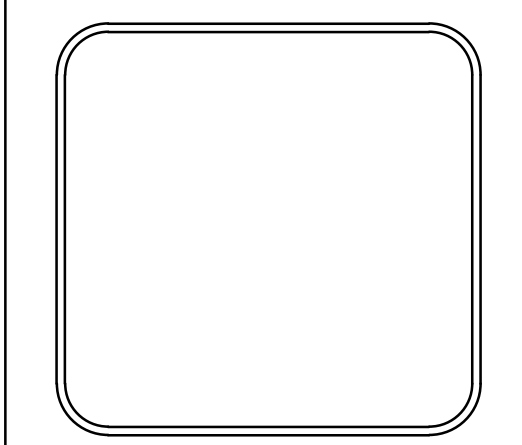
REVISIONS	DATE

100% SUBMITTAL

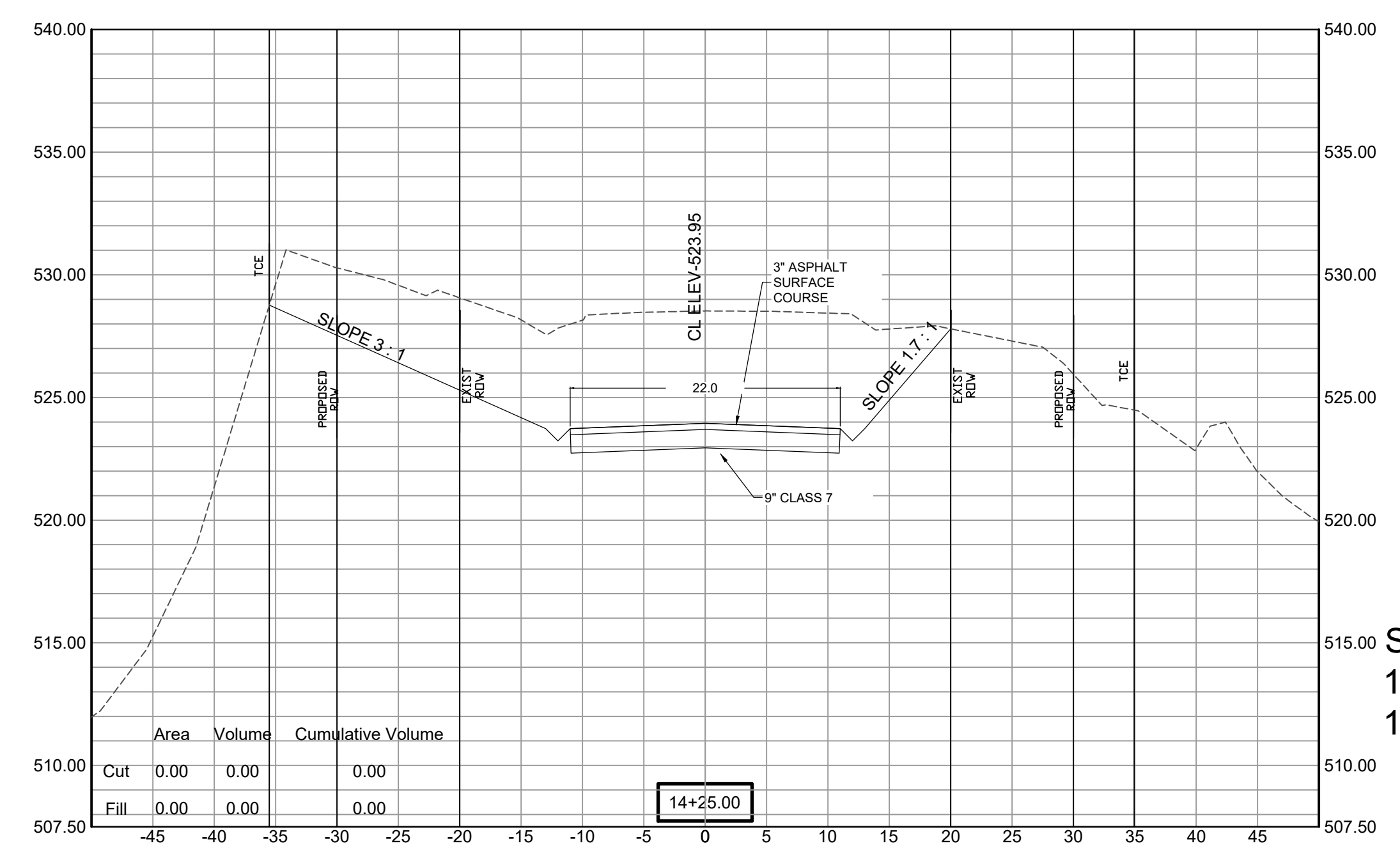
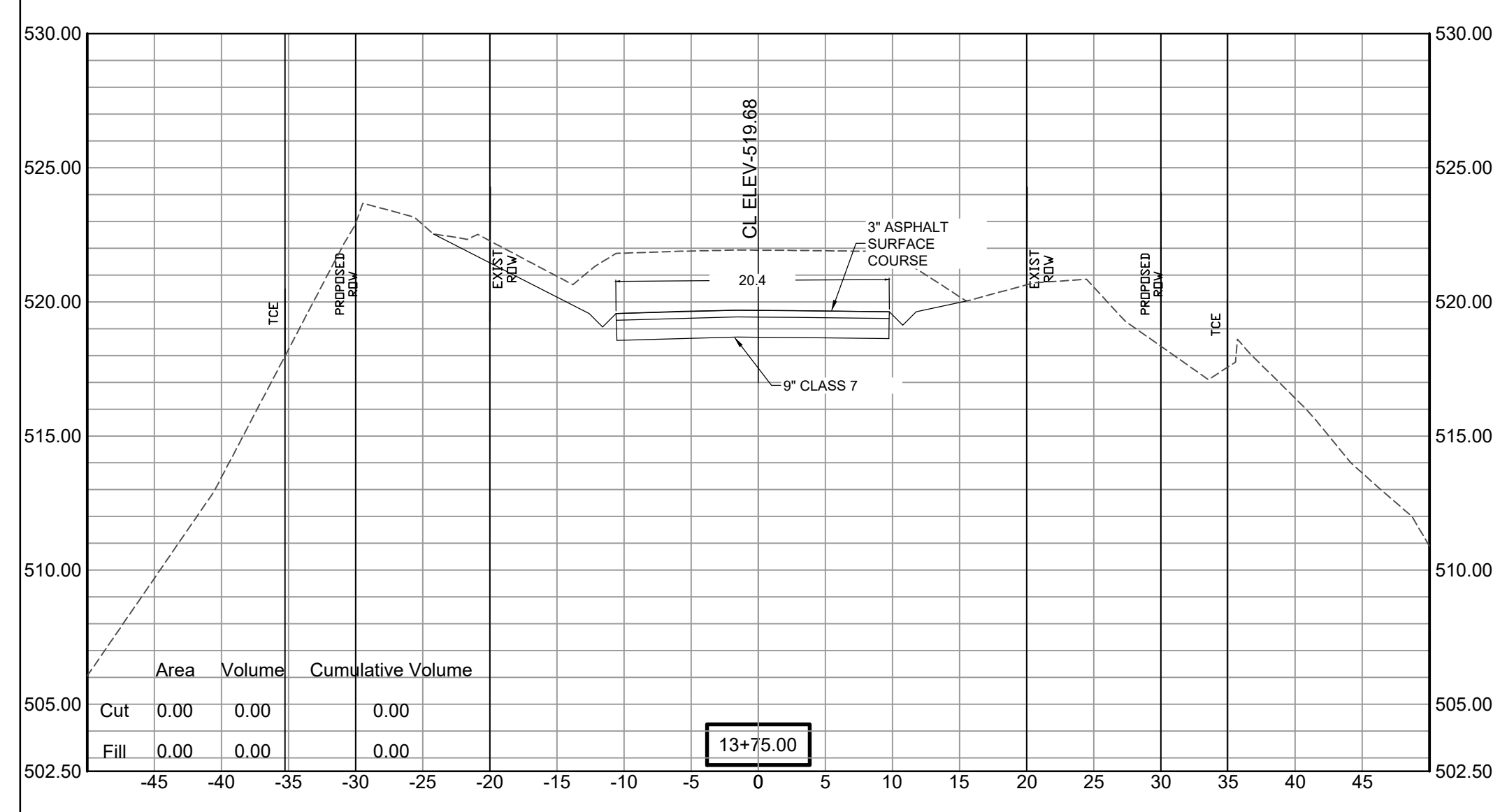
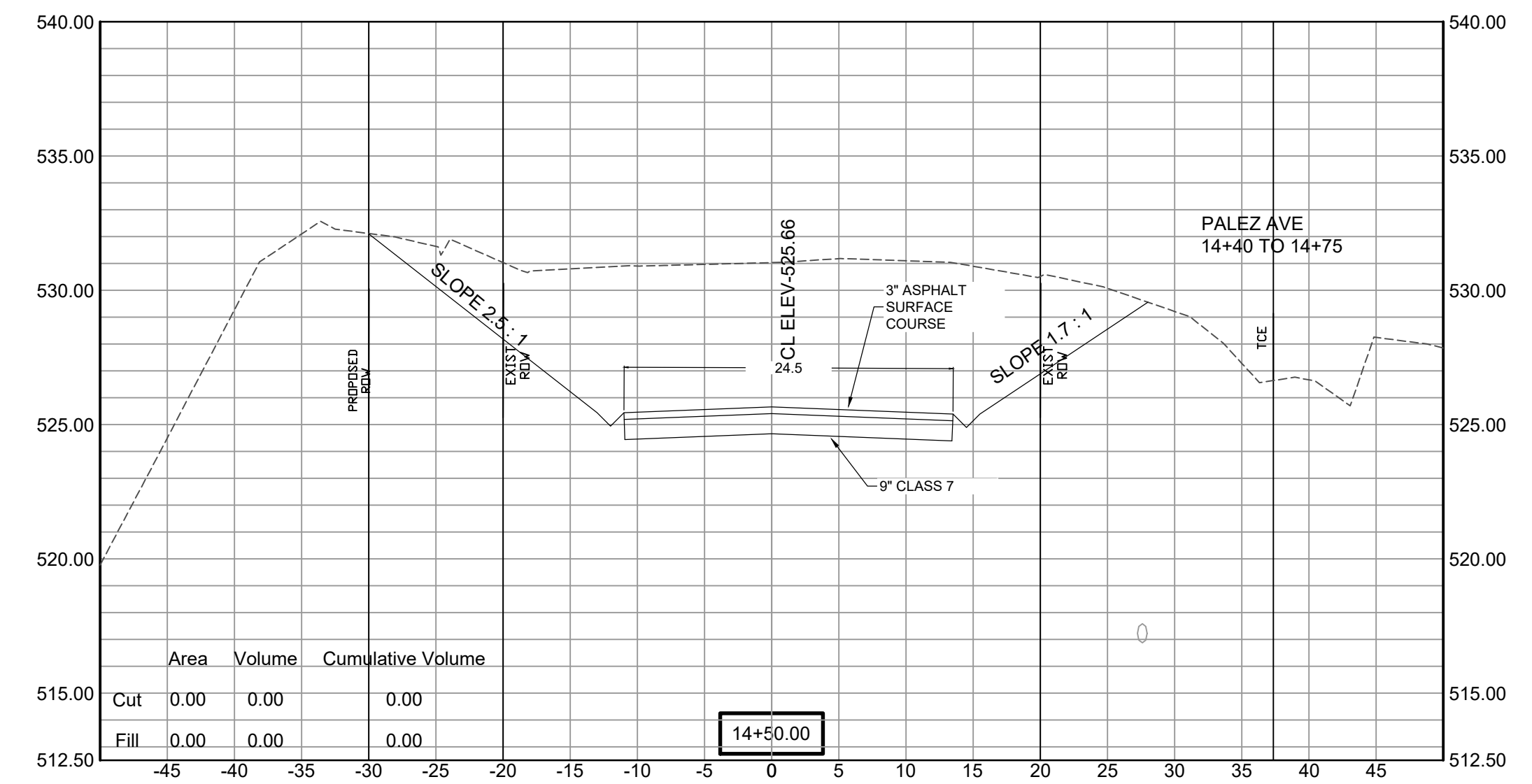
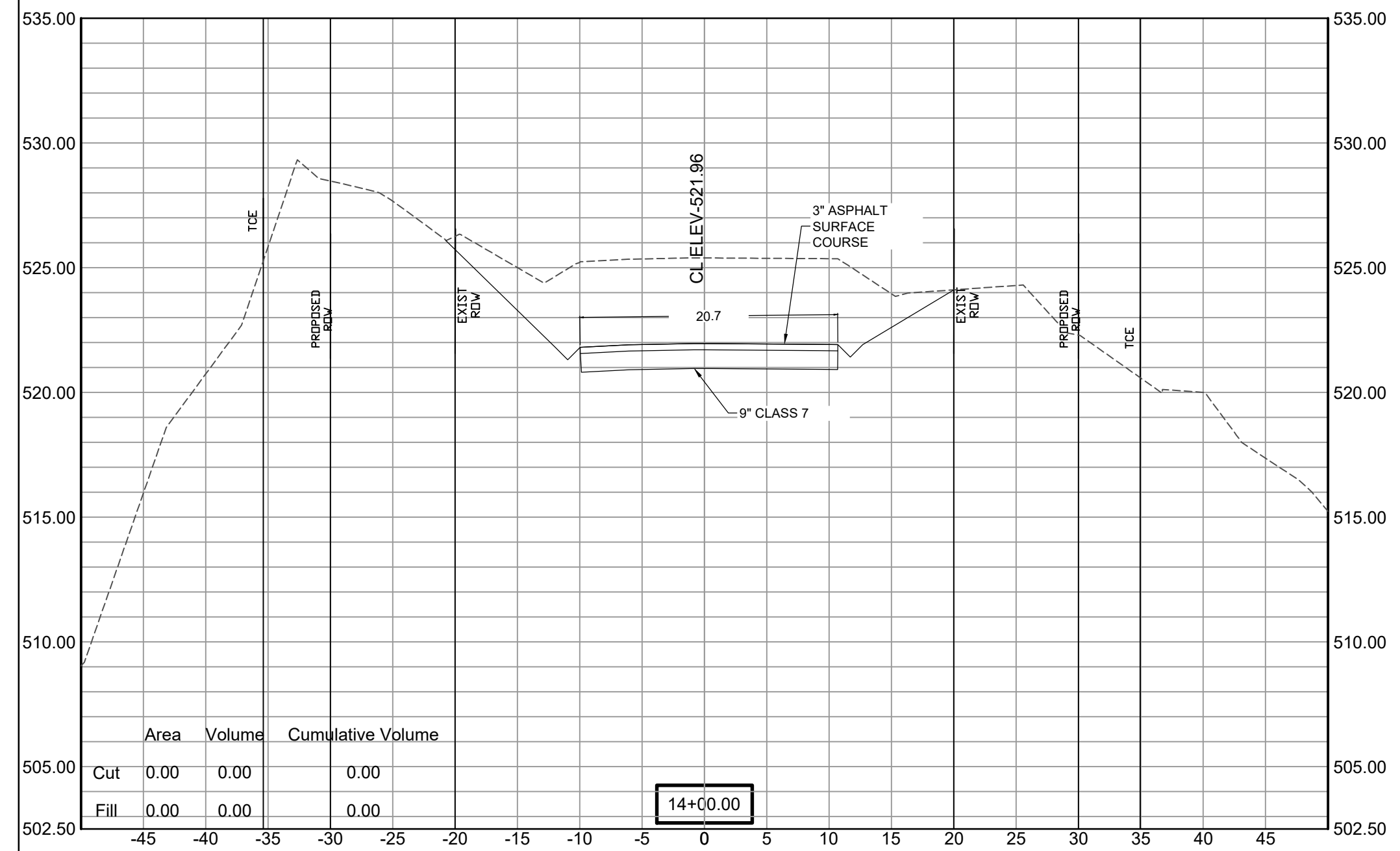
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 4



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C26



SCALE:
 1" = 5'V
 1" = 10'H

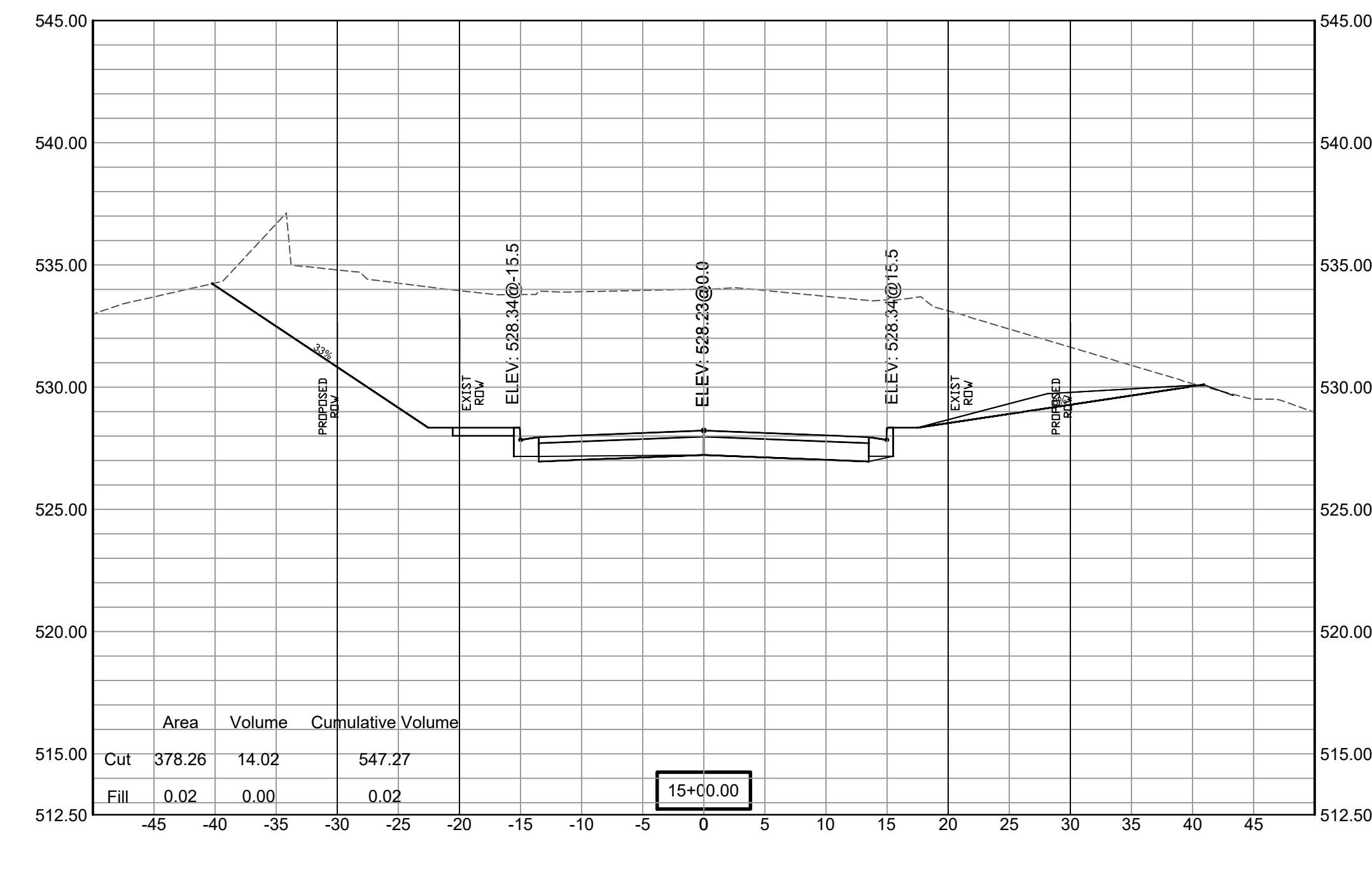
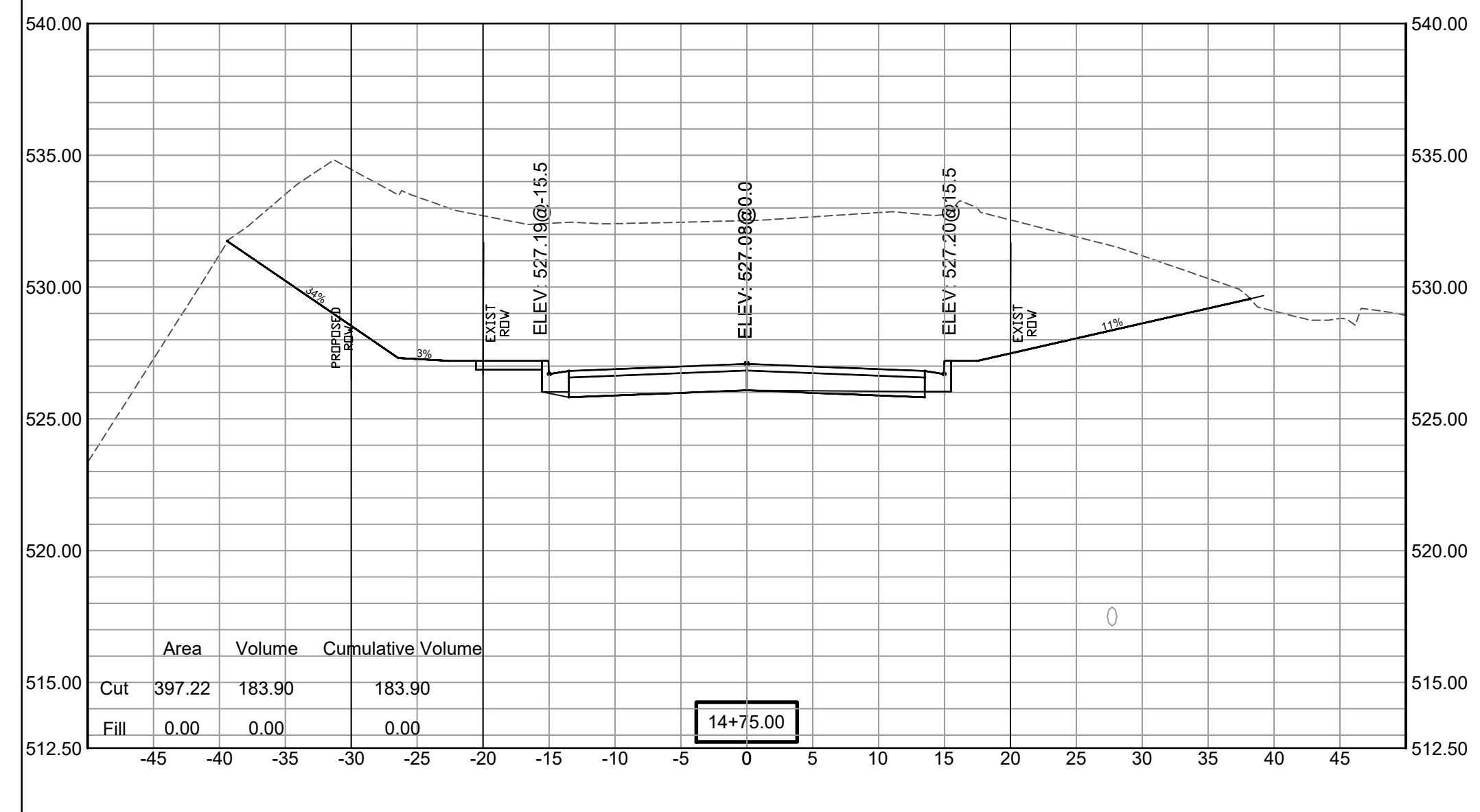
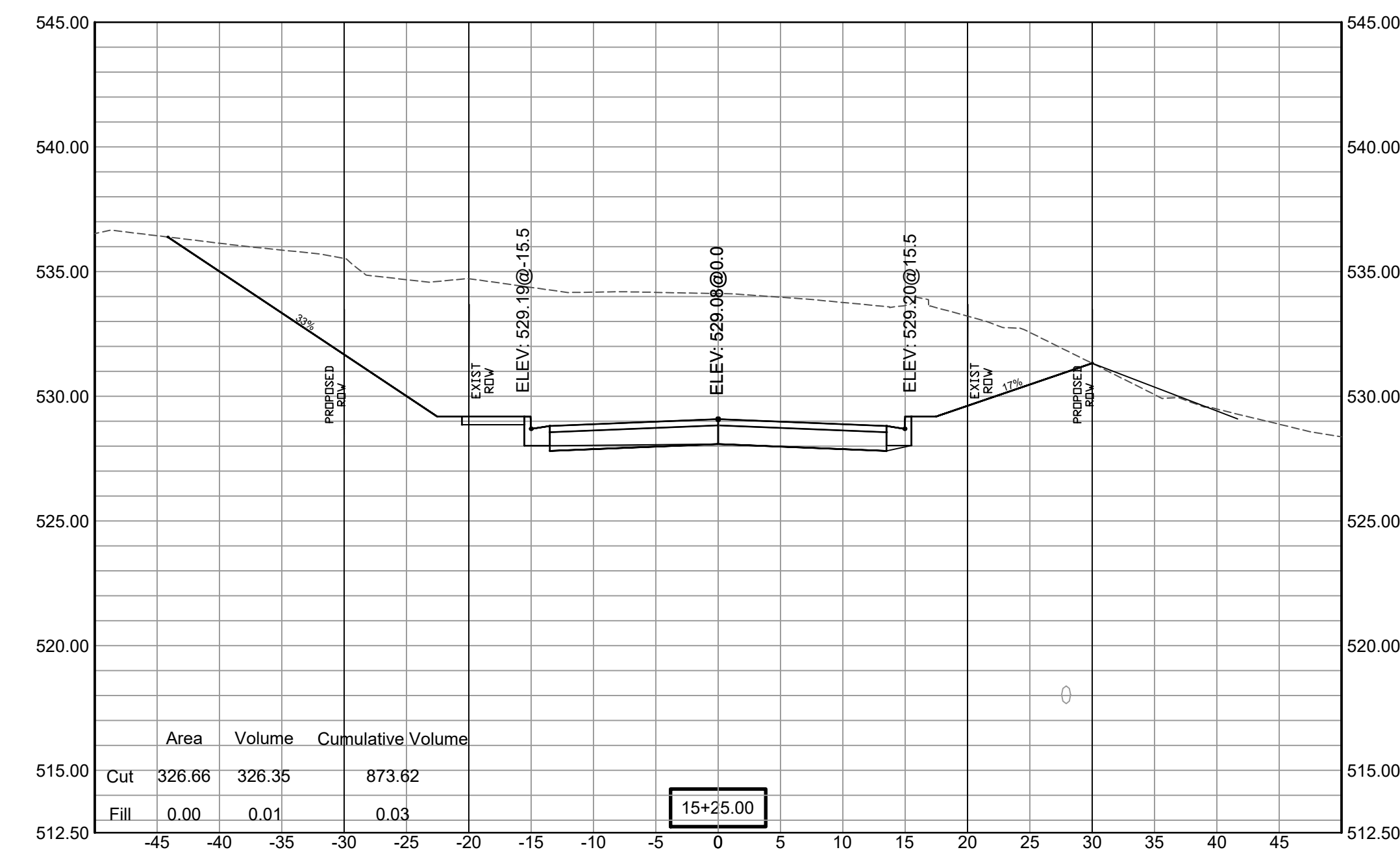
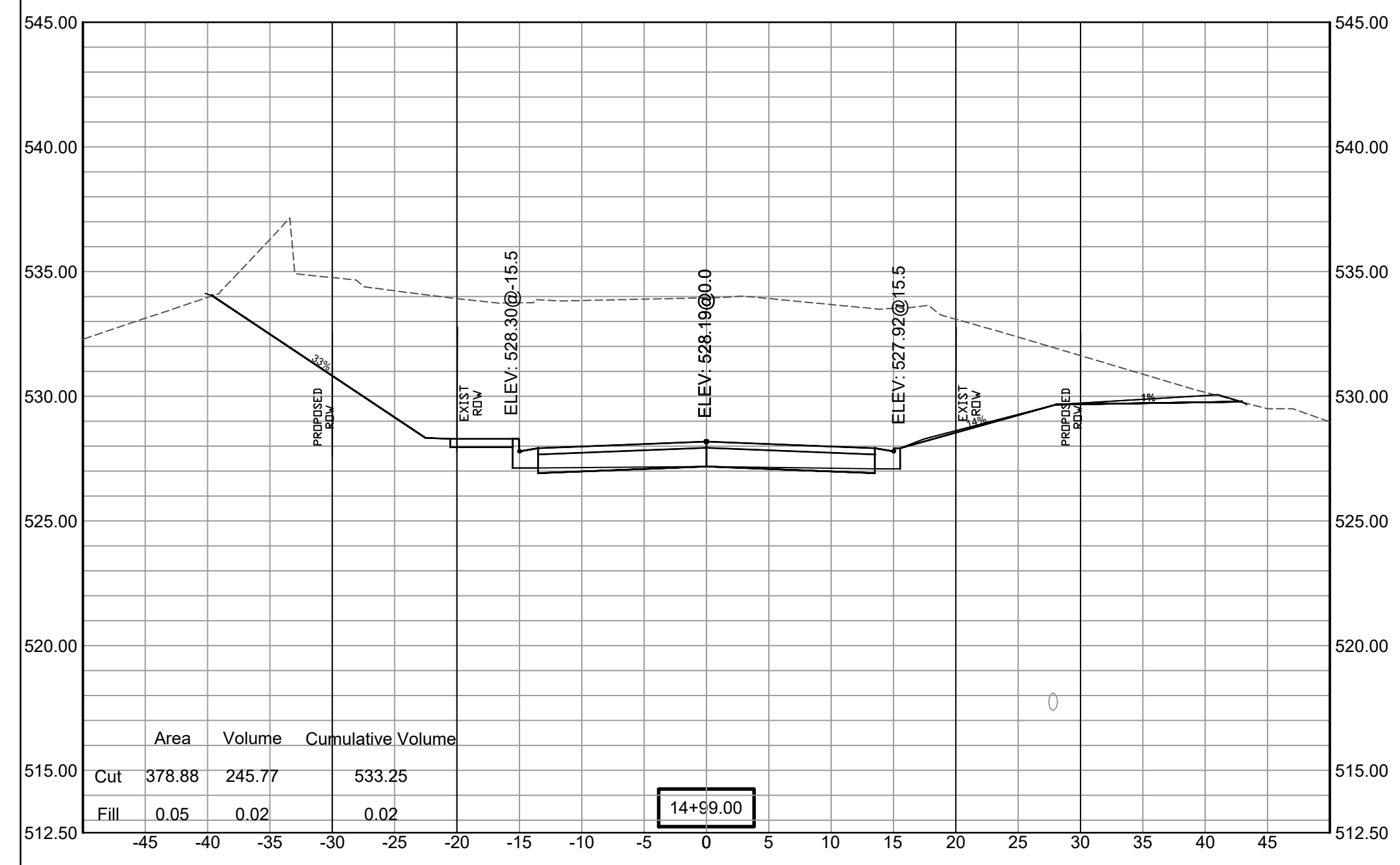
REVISED PER ADDENDUM 3,
3/12/2020

REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 5

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



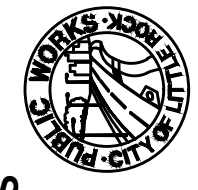
SCALE:
1"= 5'V
1"= 10'H

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C27


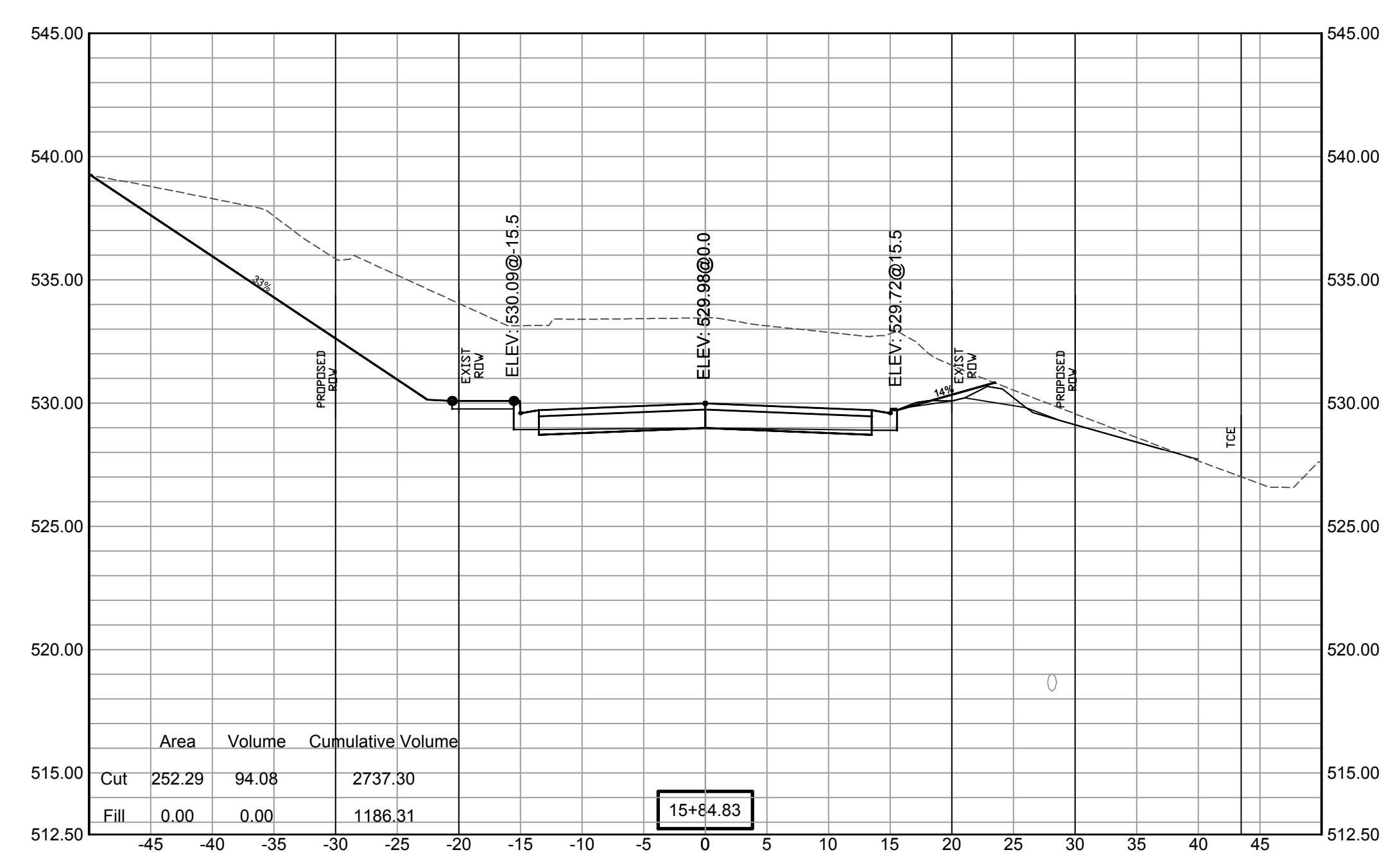
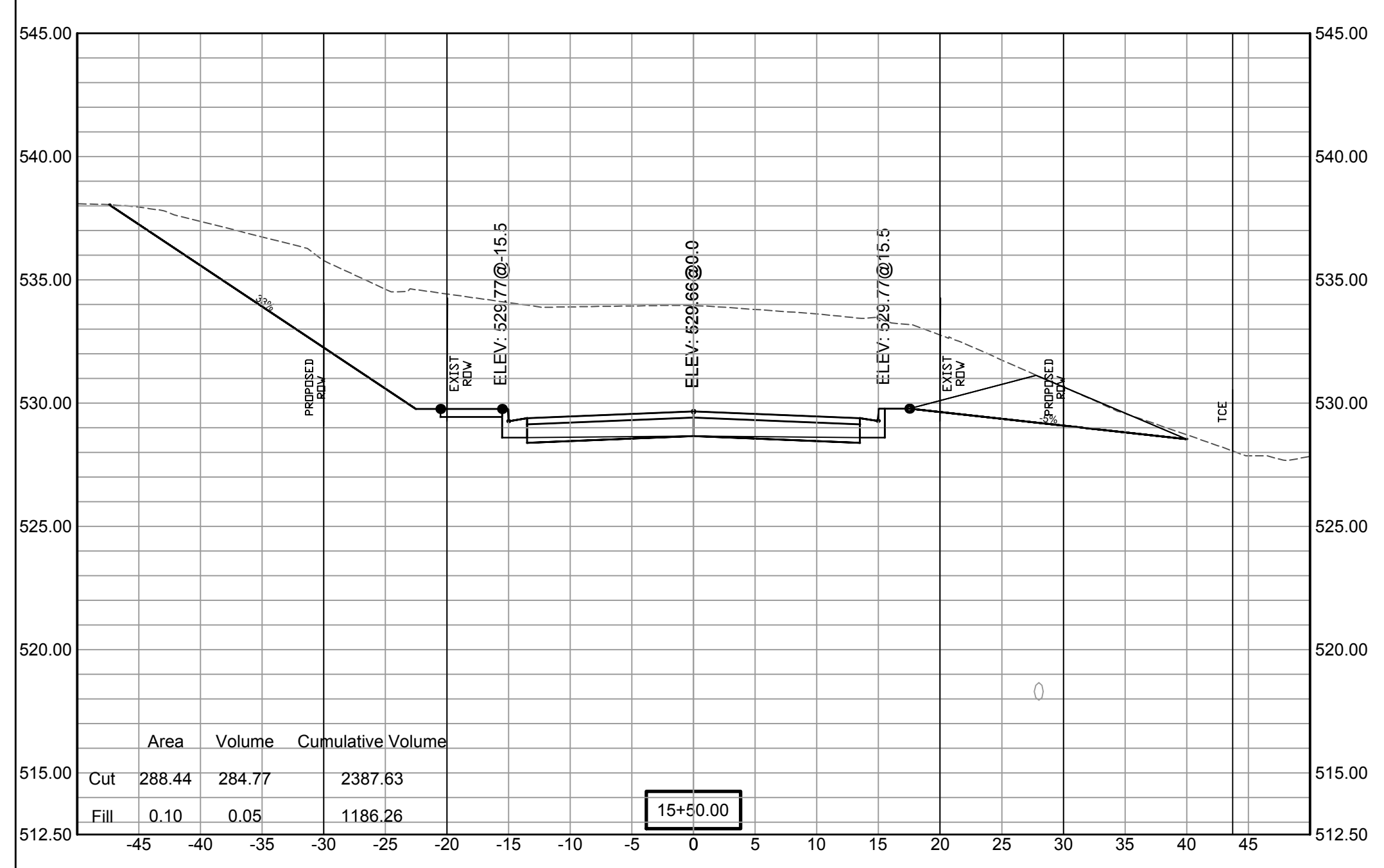
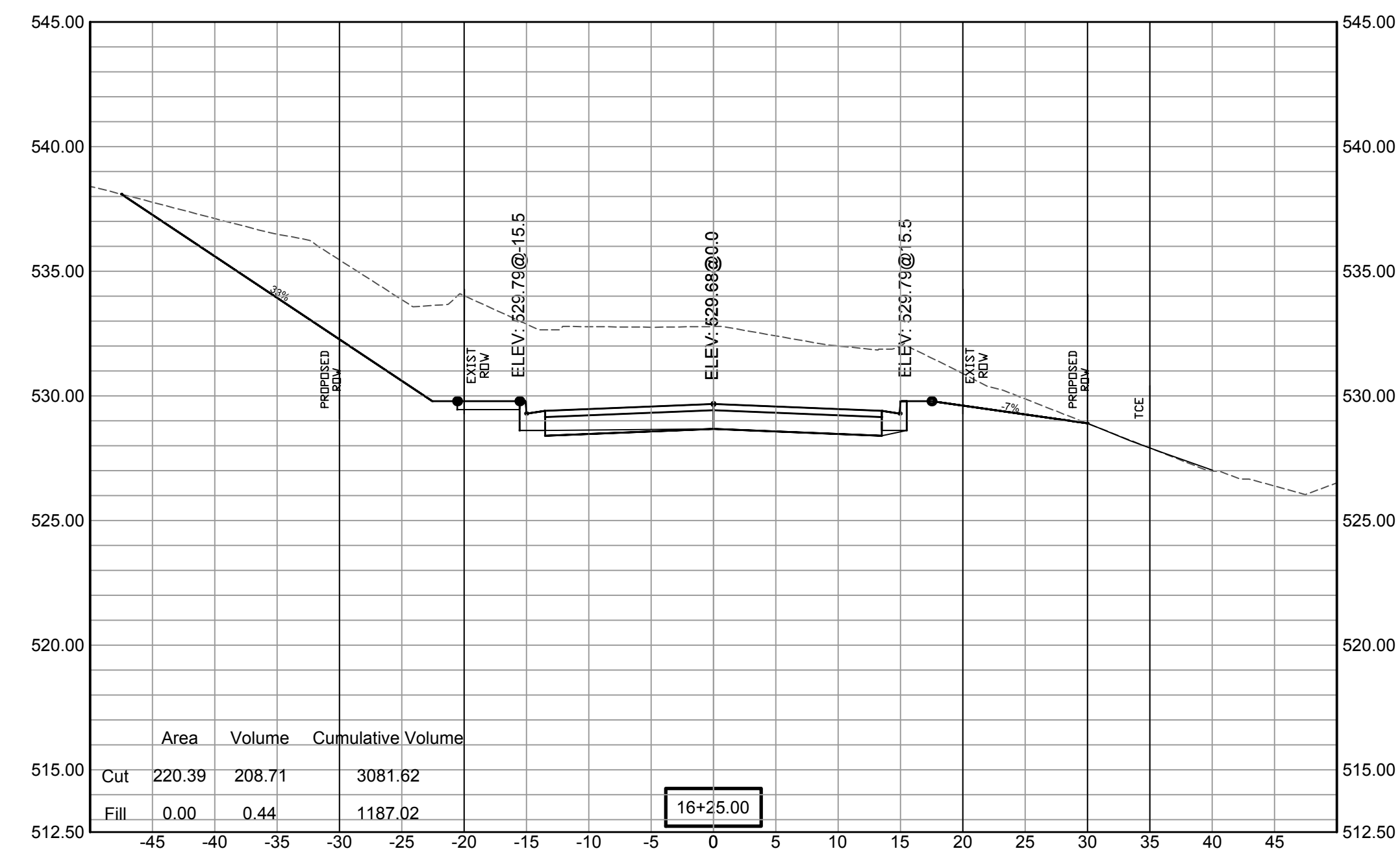
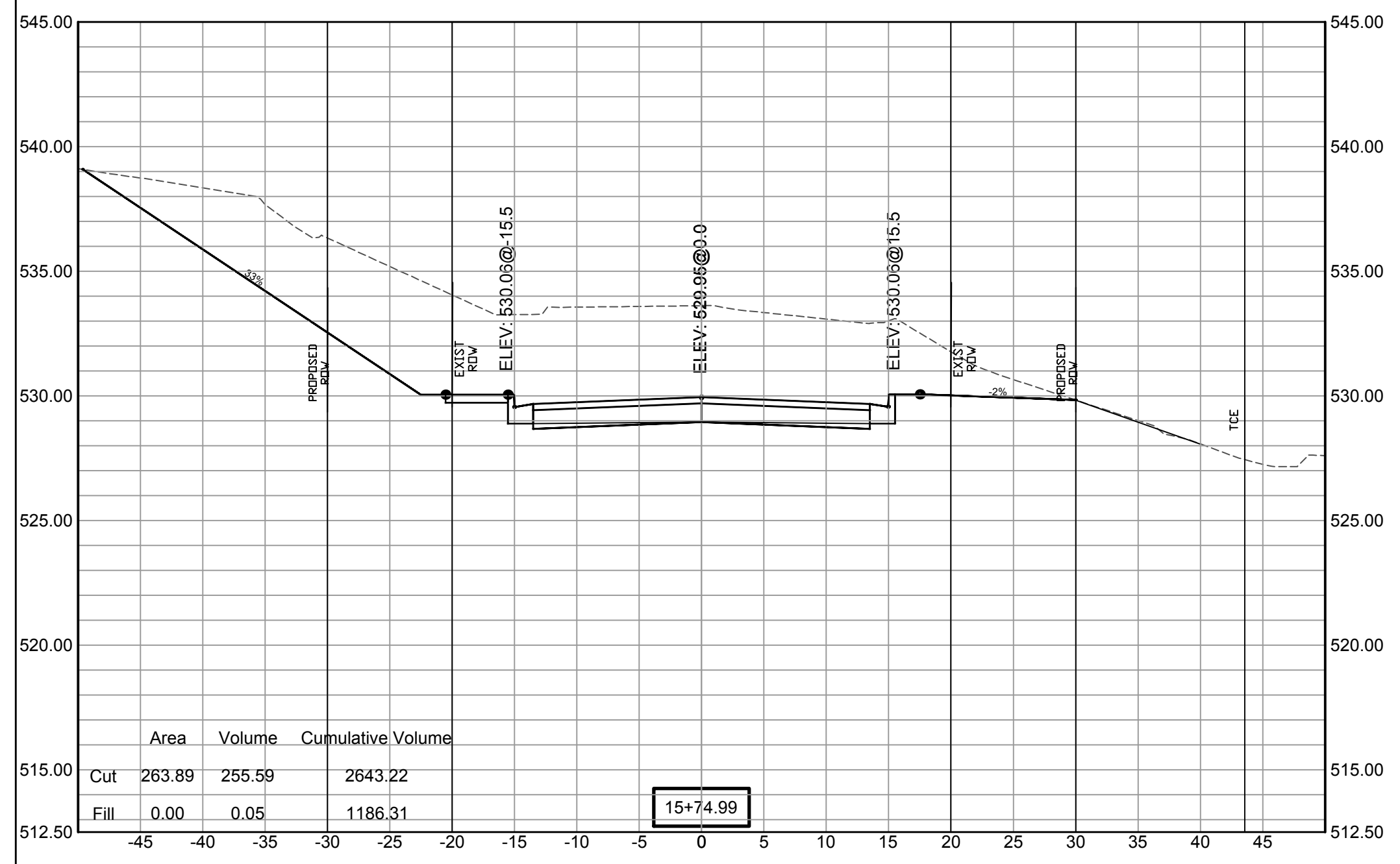
REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 6



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


SCALE:
1" = 5'V
1" = 10'H

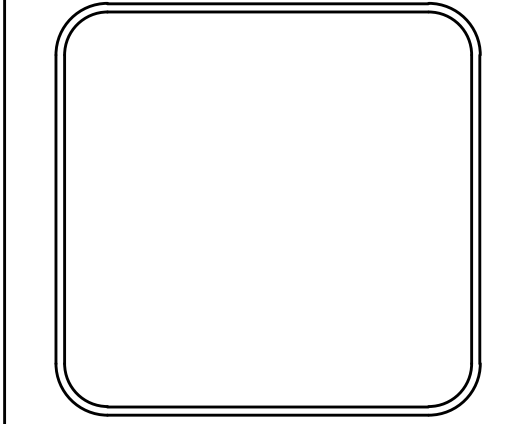
DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C28

REVISIONS	DATE

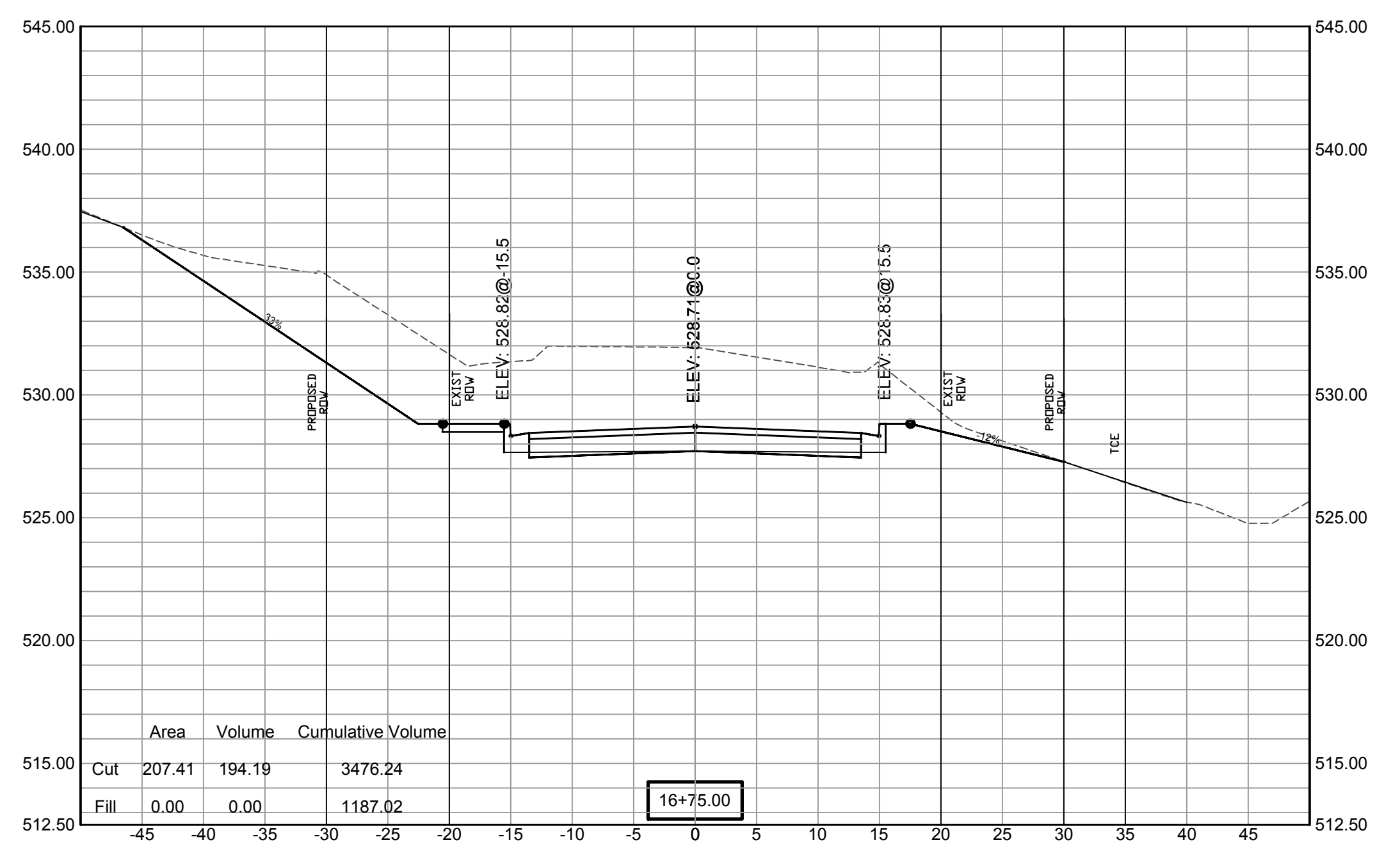
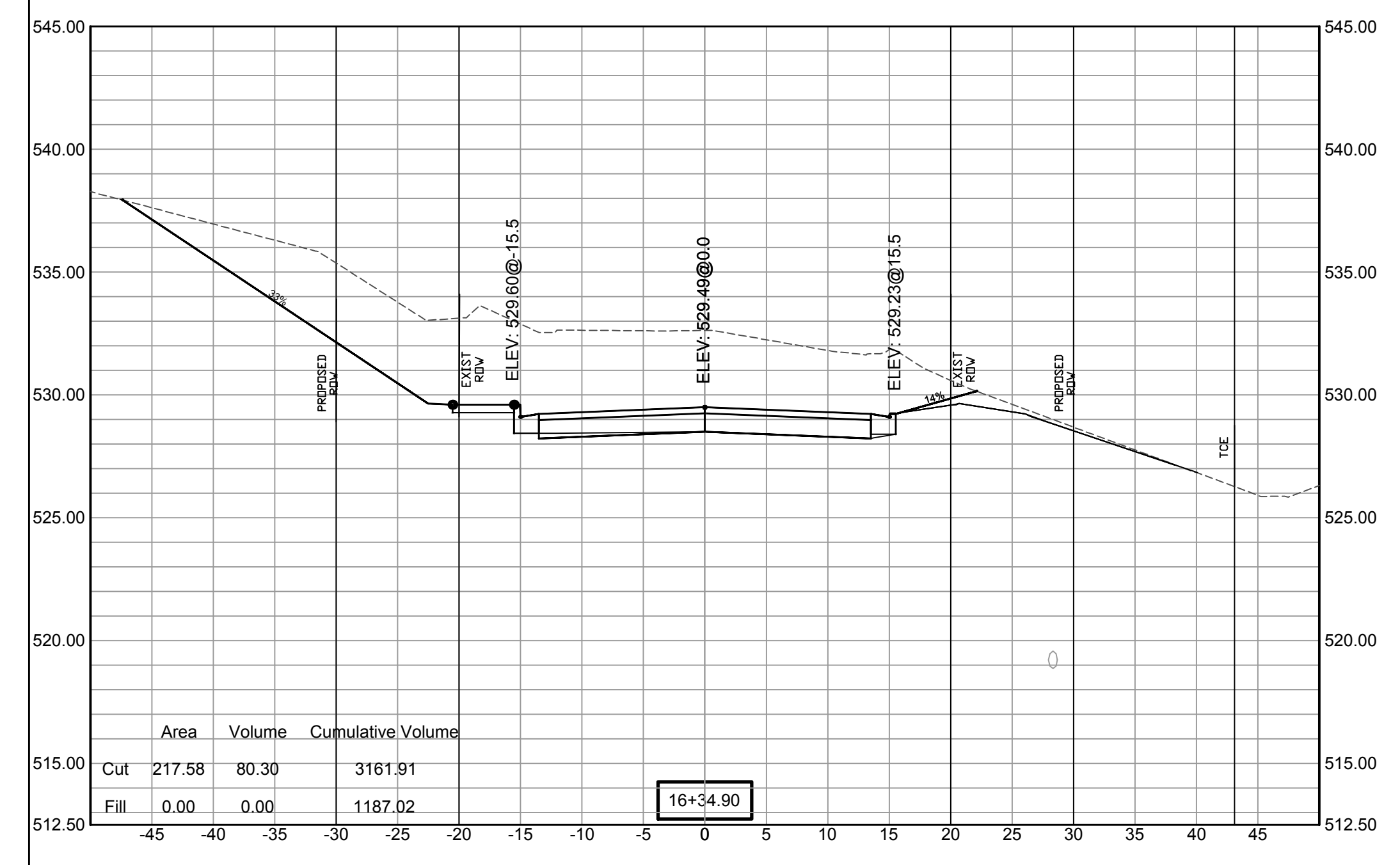
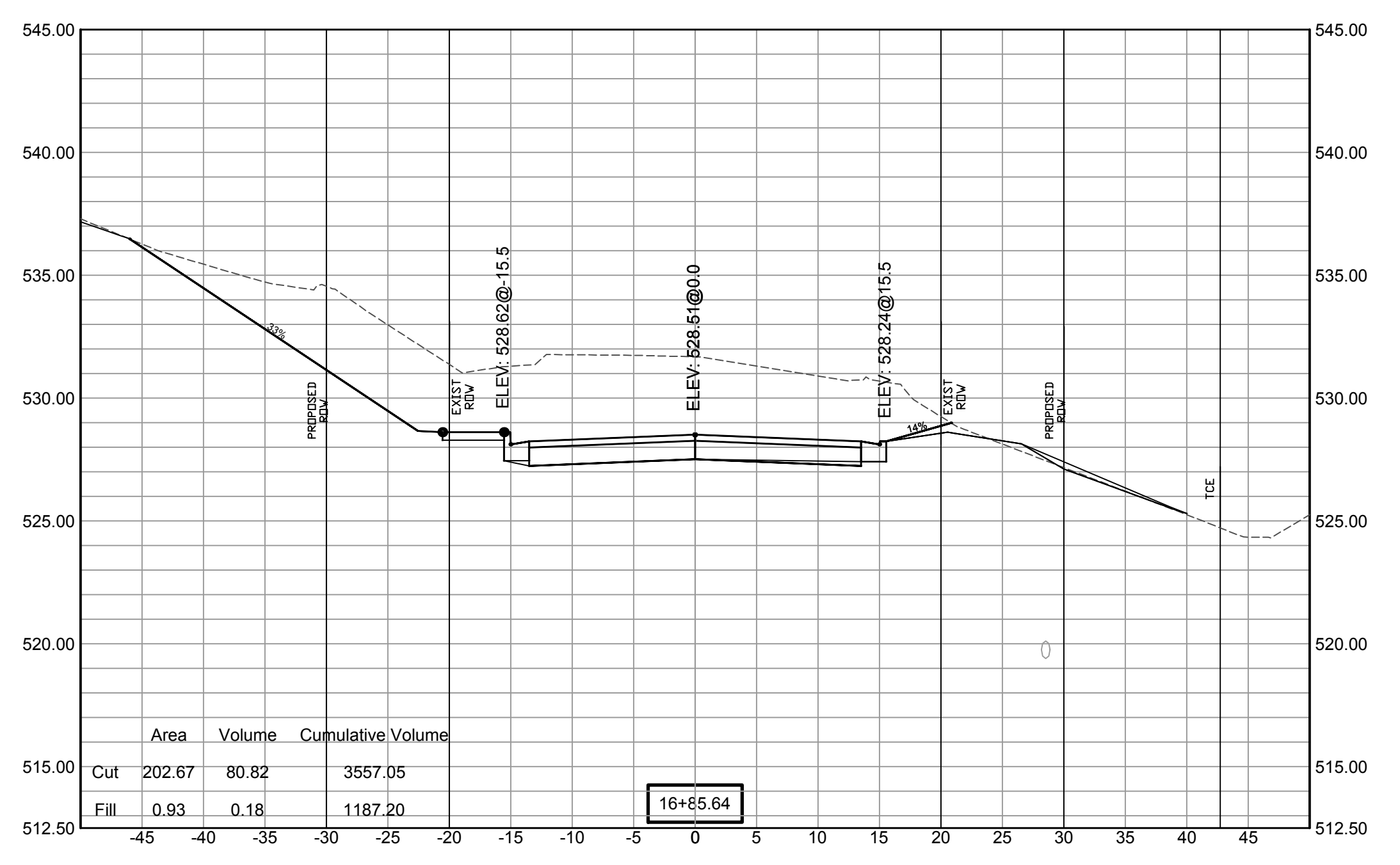
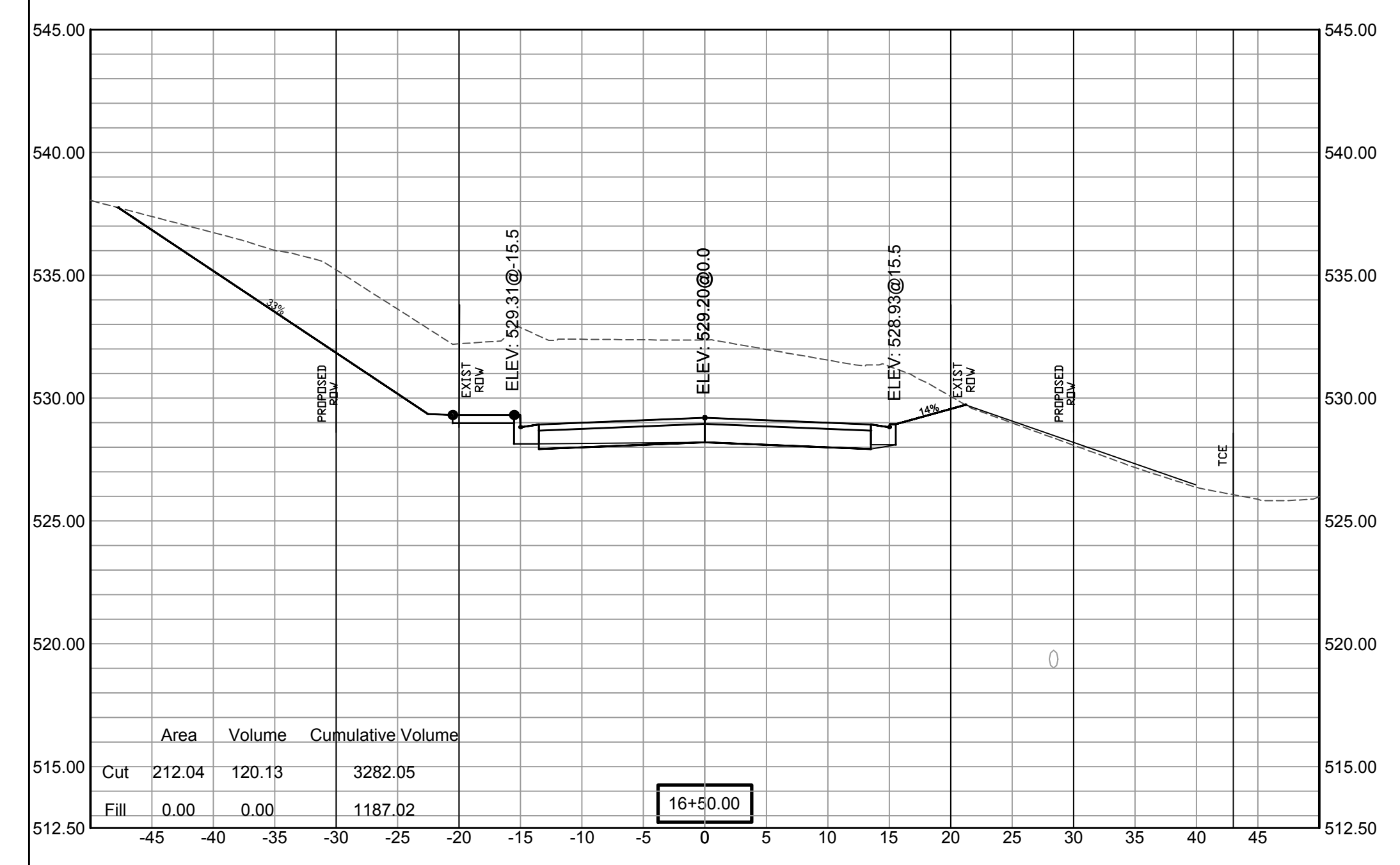
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 7


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



DRAWN BY
ZR
DESIGNED
RH
CHECKED
RH
DATE
2019-11-19
SCALE
AS NOTED
PROJECT NO.
16-5-ST-15
SHEET NO.
C29




SCALE:
1"= 5'V
1"= 10'H


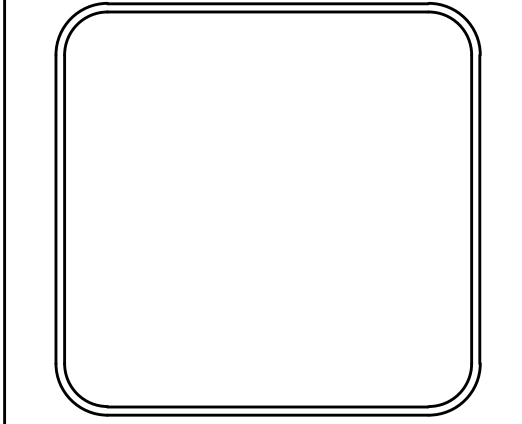
REVISIONS	DATE

100% SUBMITTAL

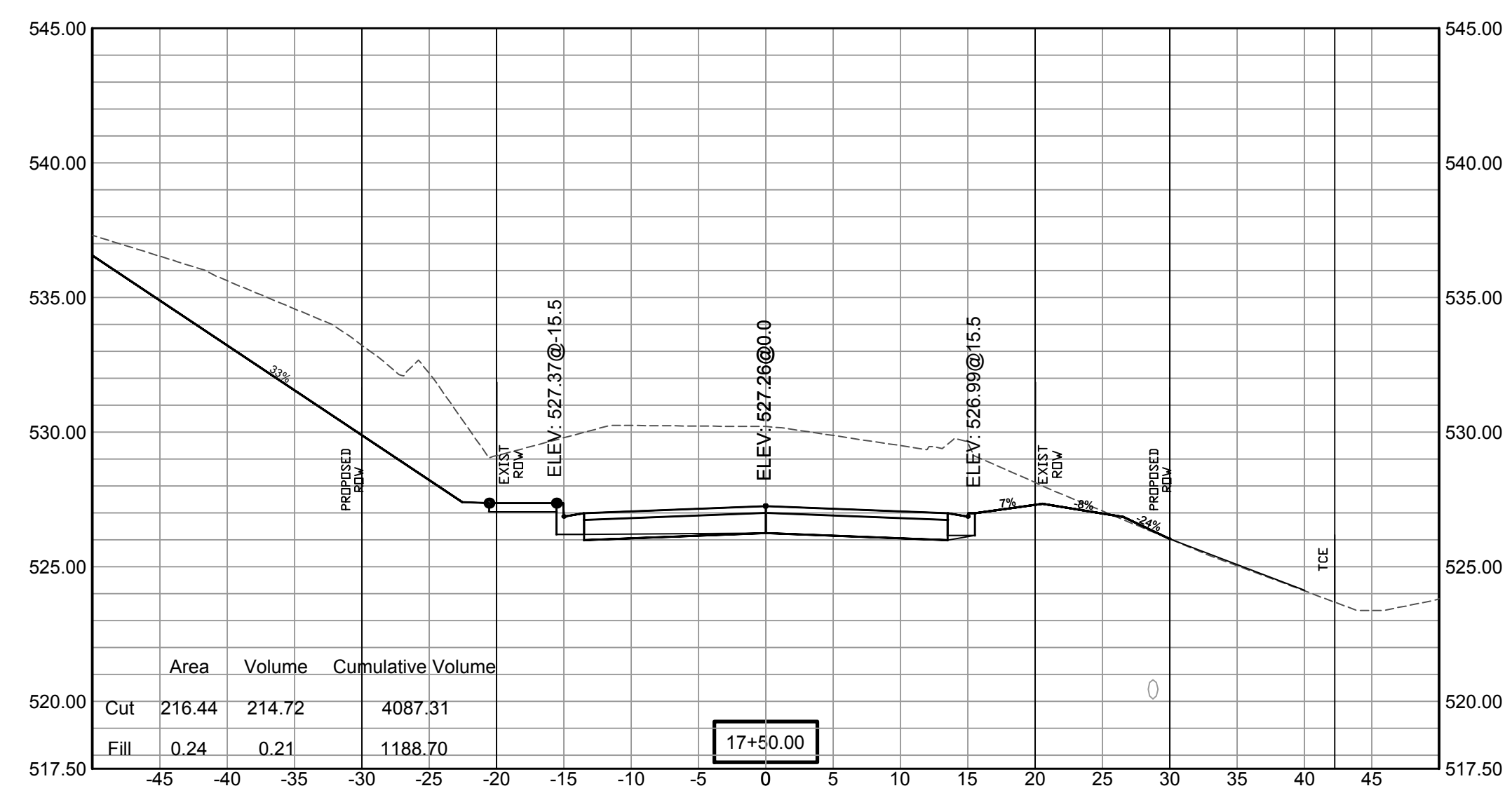
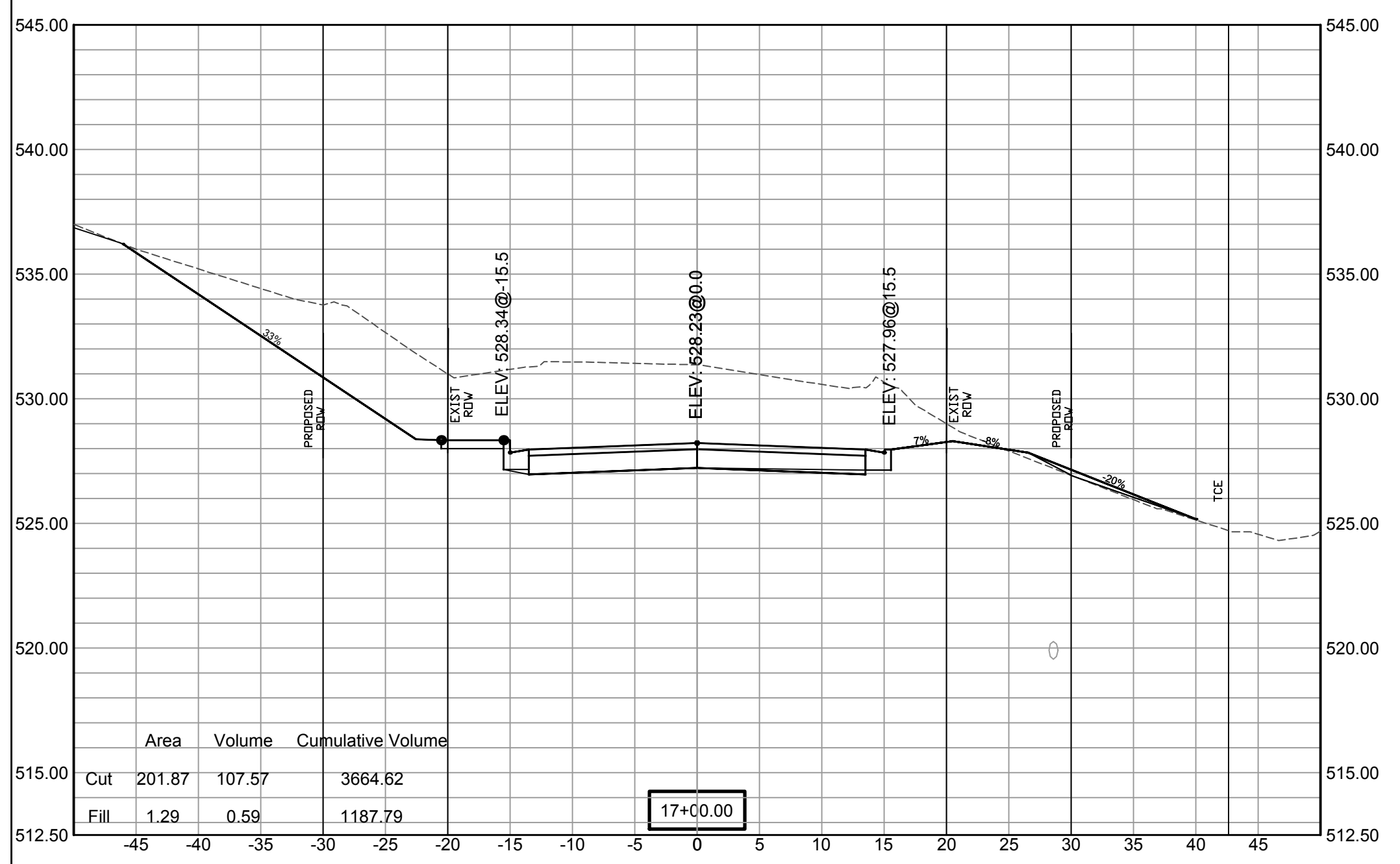
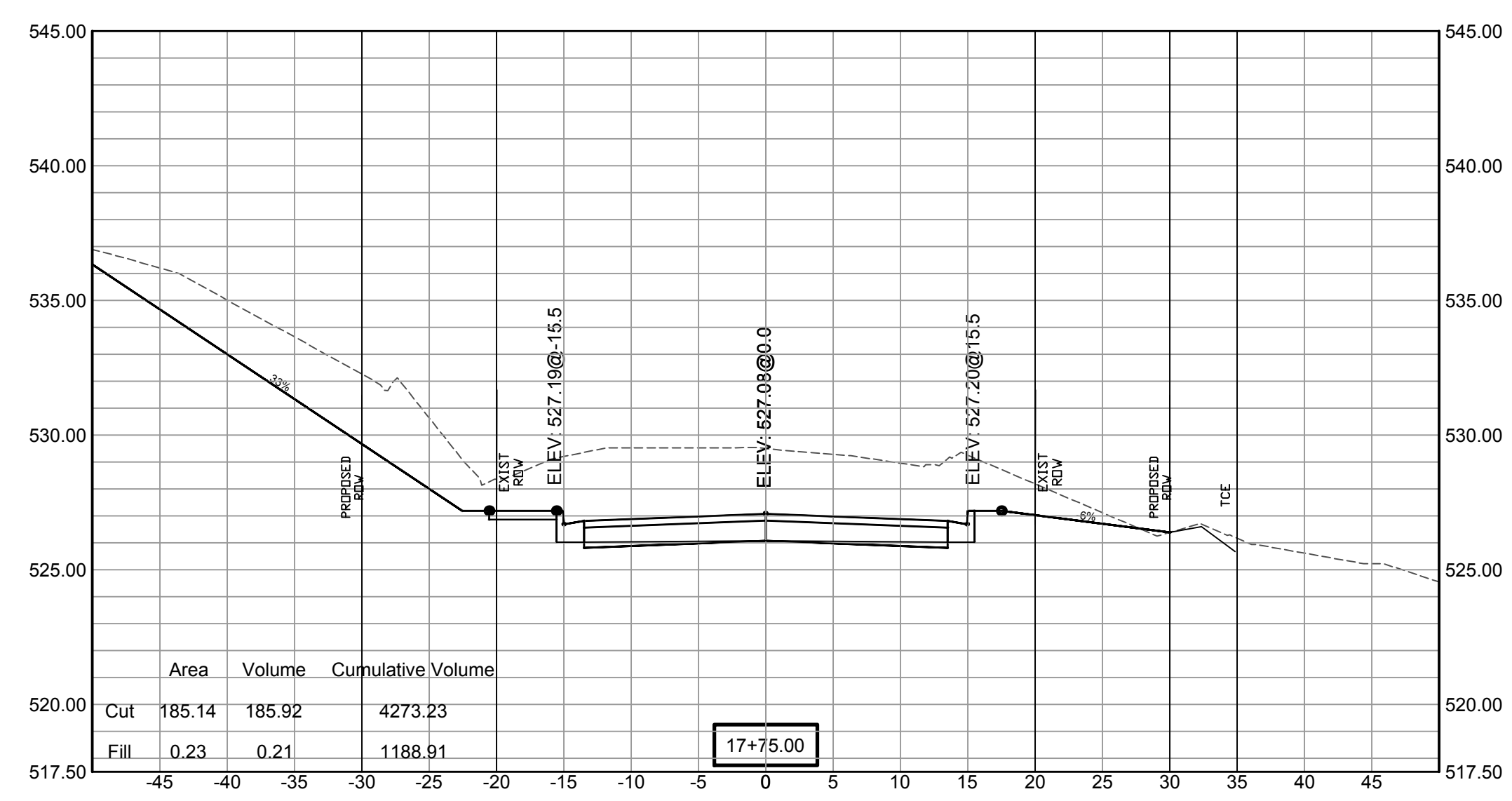
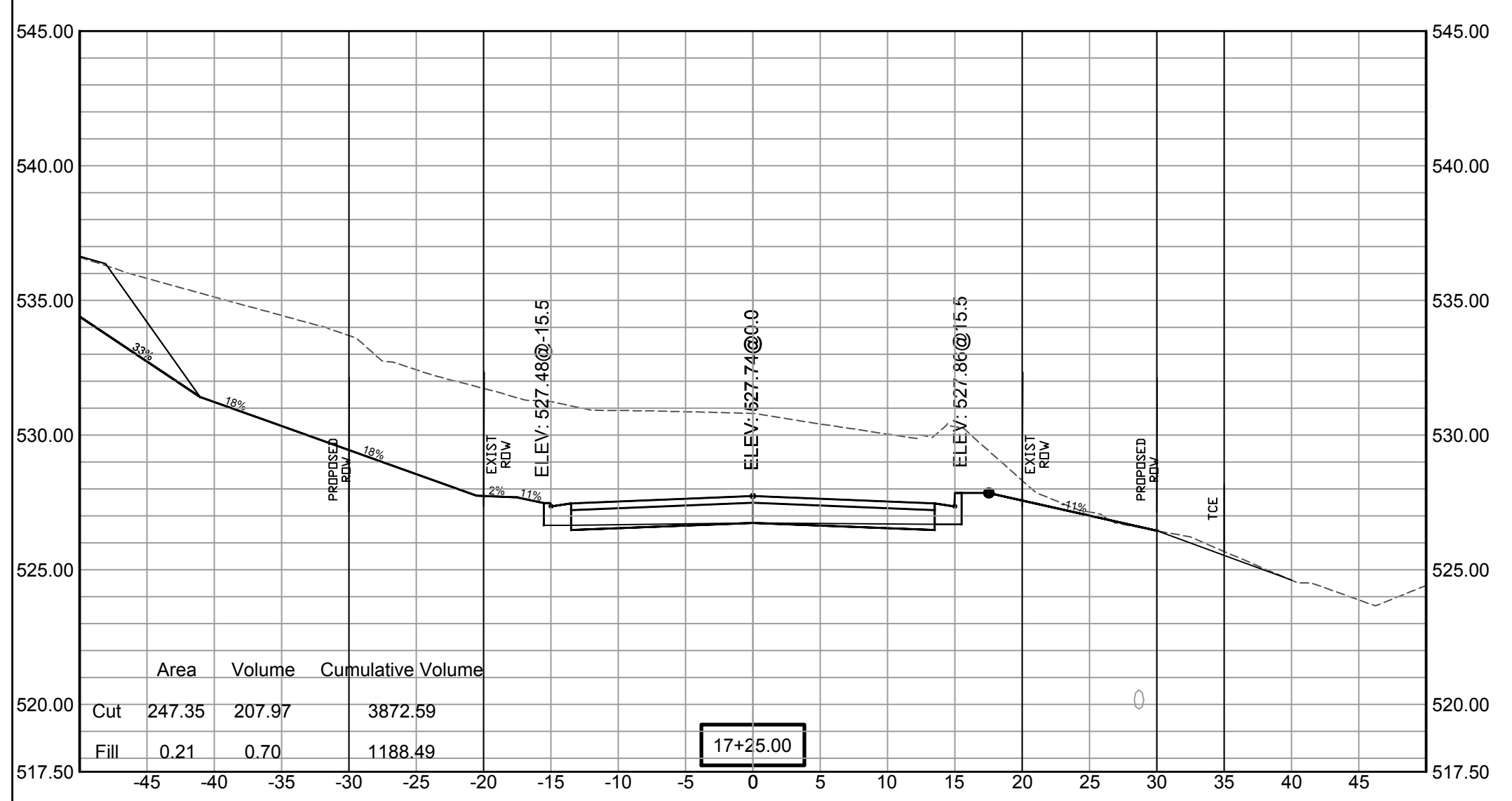
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 8



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C30




SCALE:
 1"= 5'V
 1"= 10'H

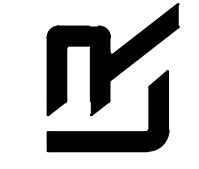
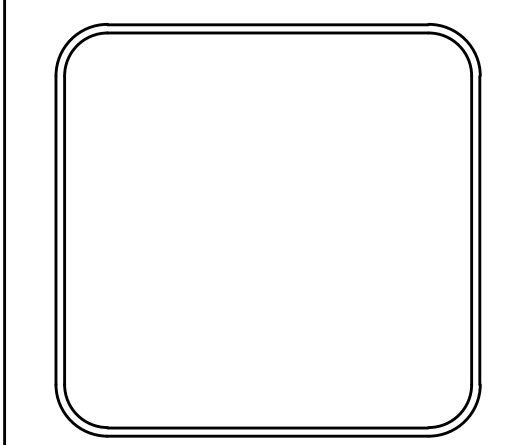
REVISIONS	DATE

100% SUBMITTAL

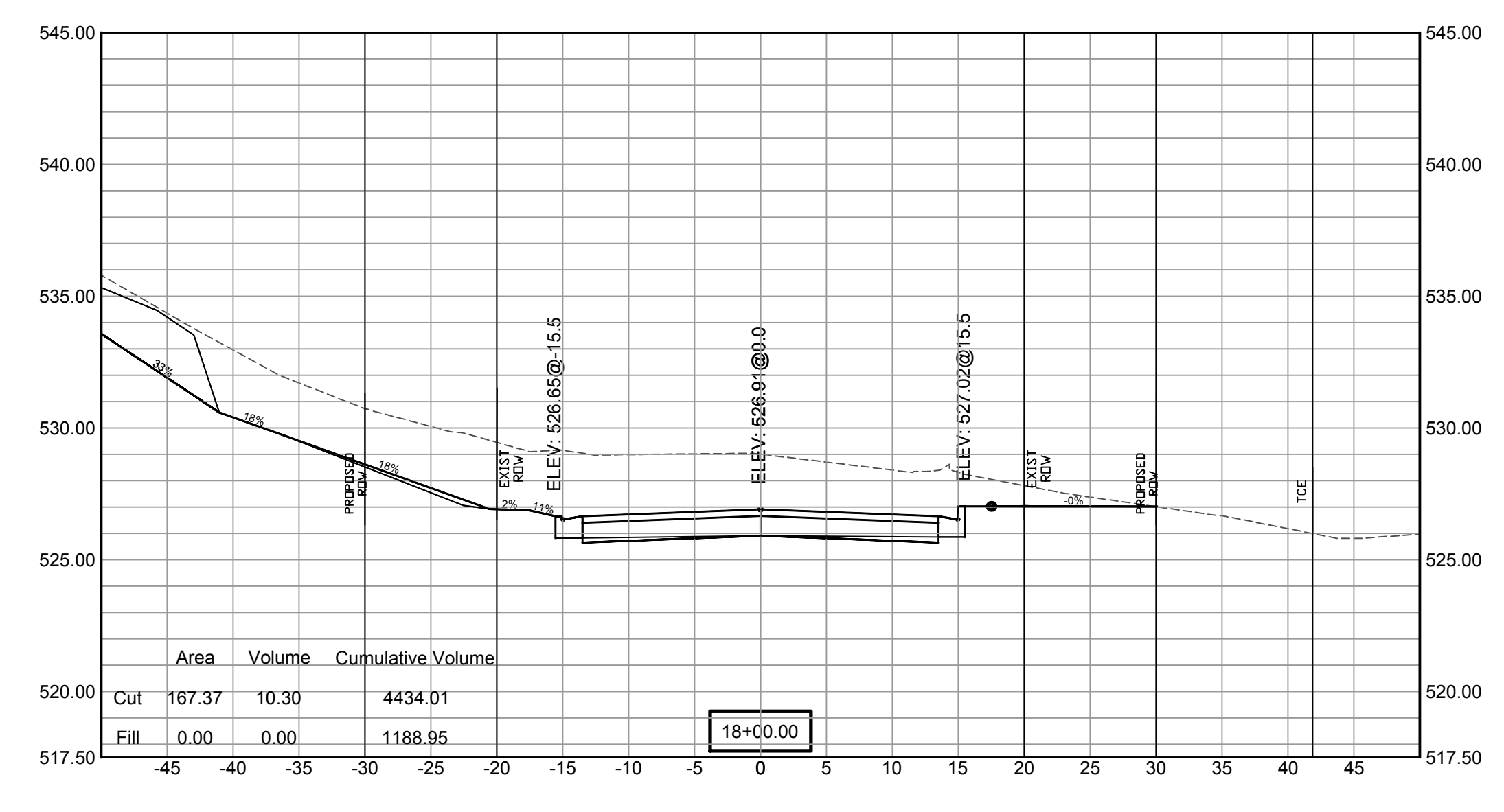
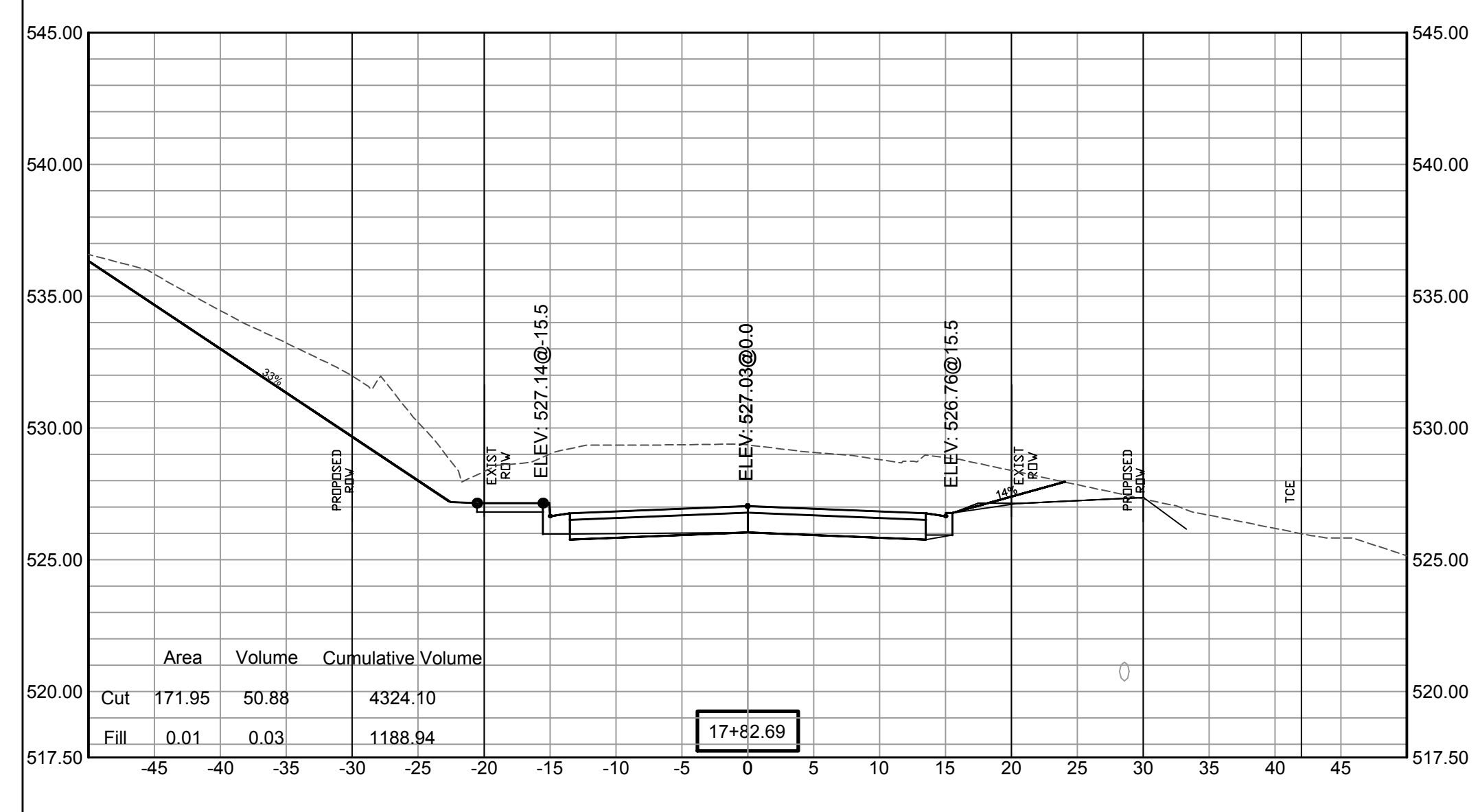
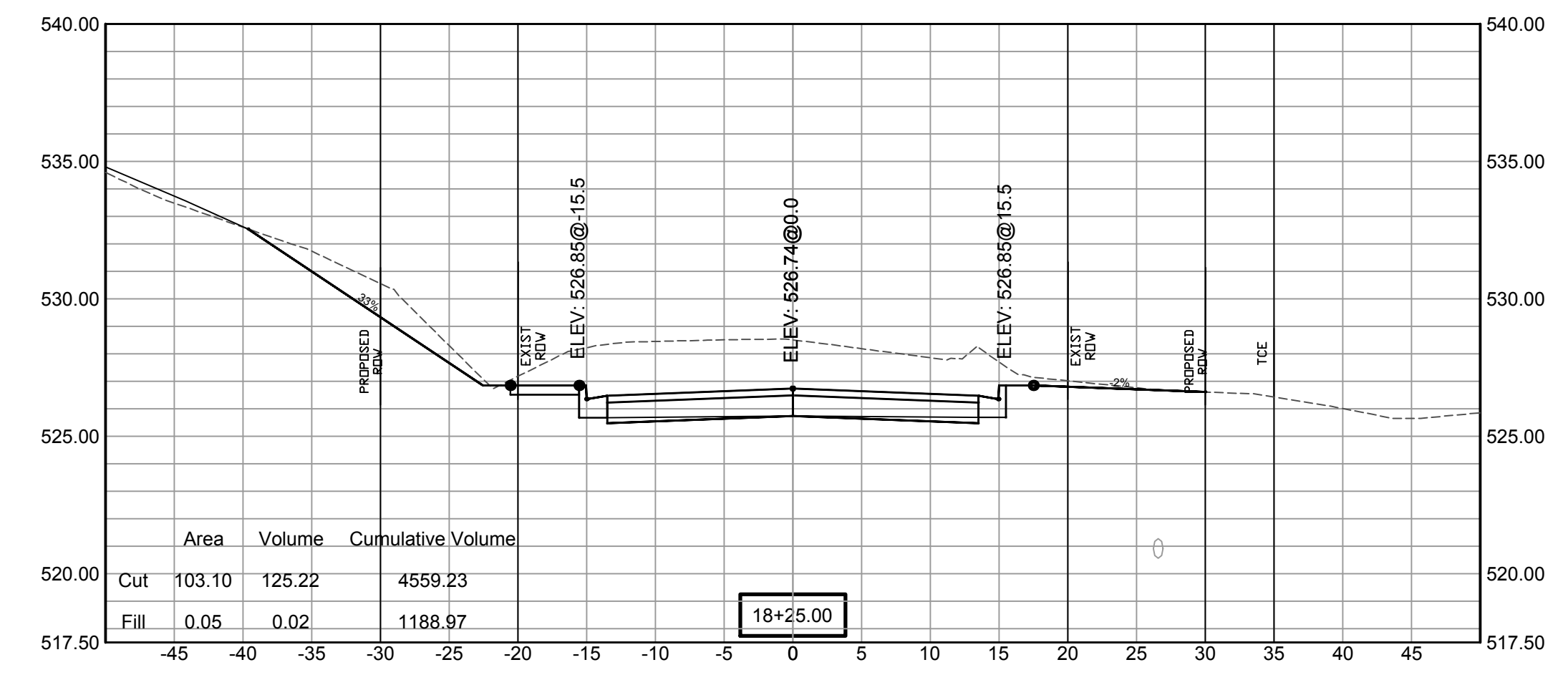
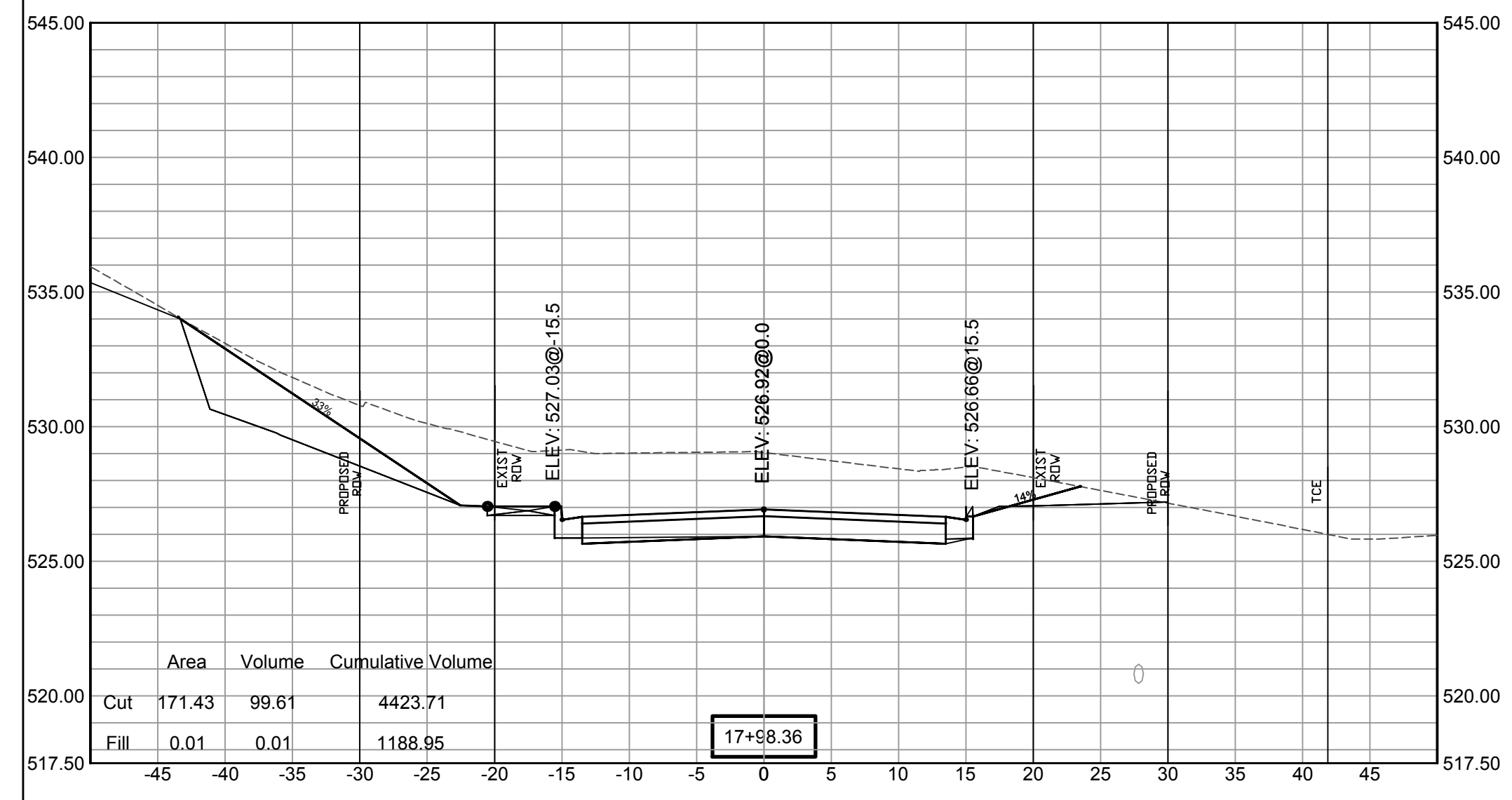
**CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 9**



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C31




SCALE:
1"= 5'V
1"= 10'H


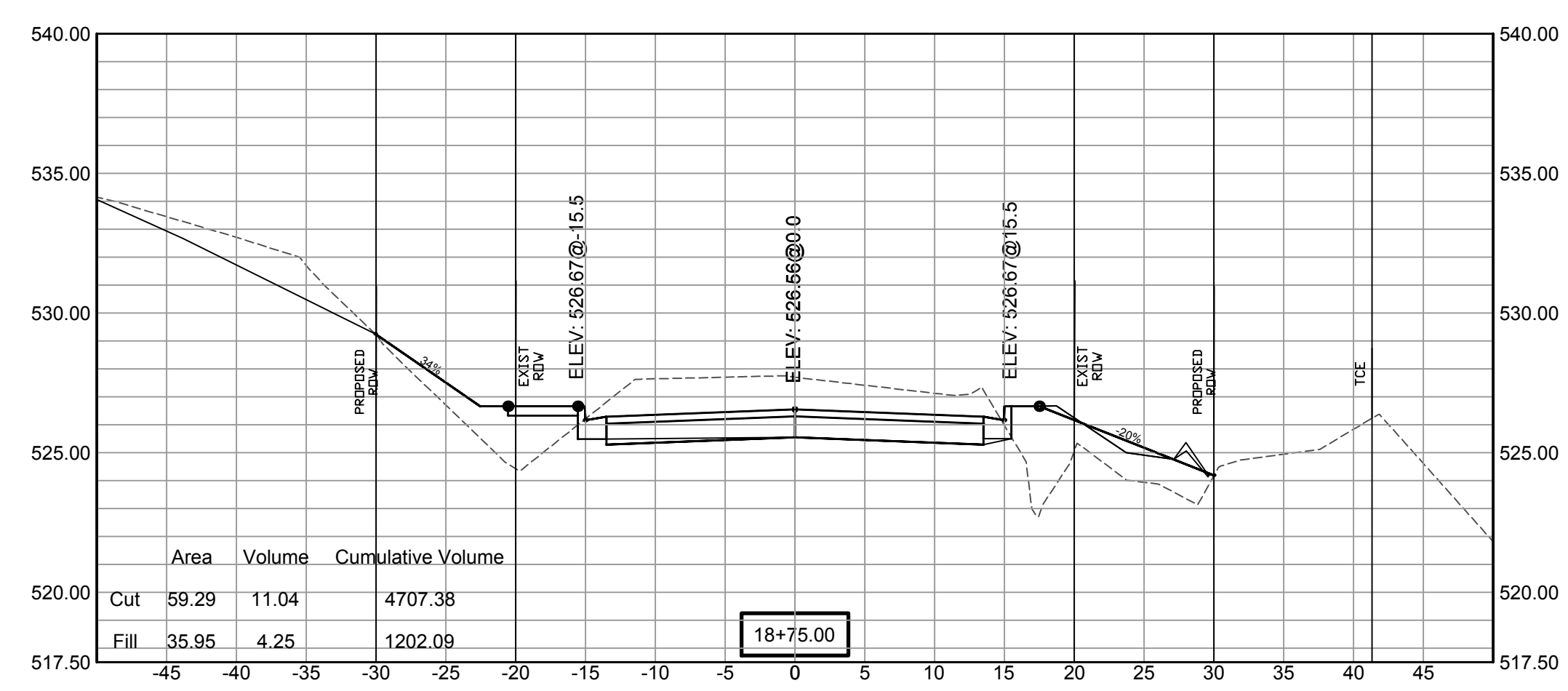
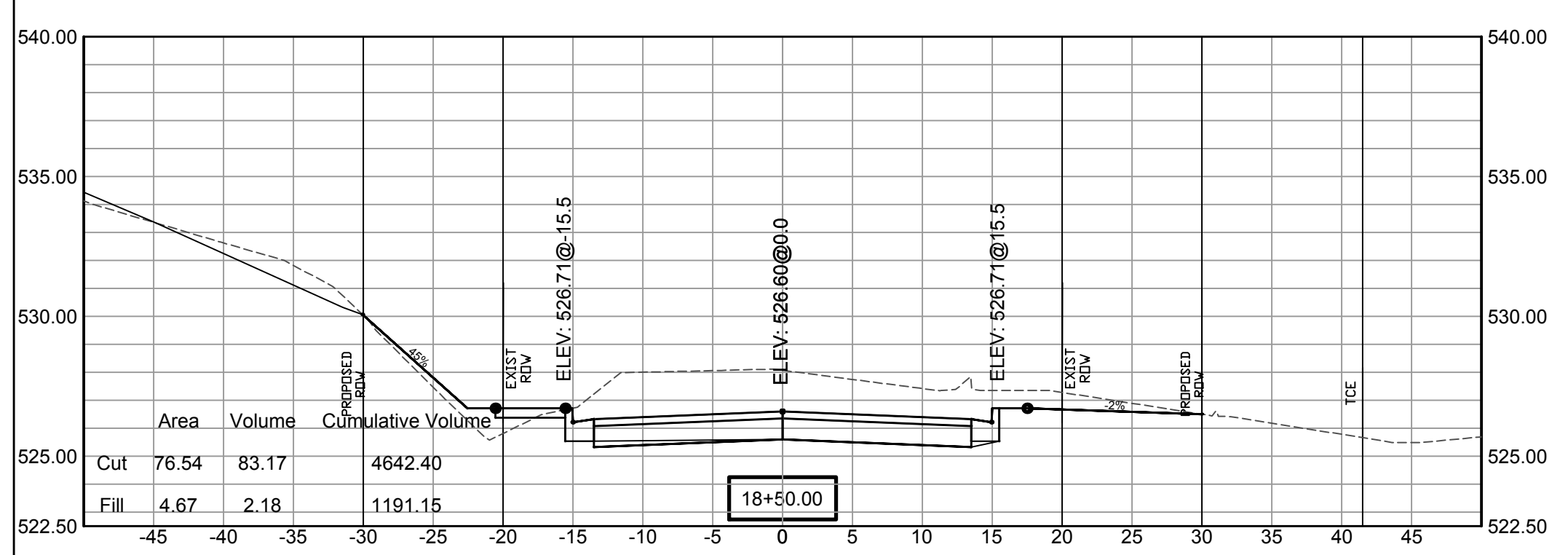
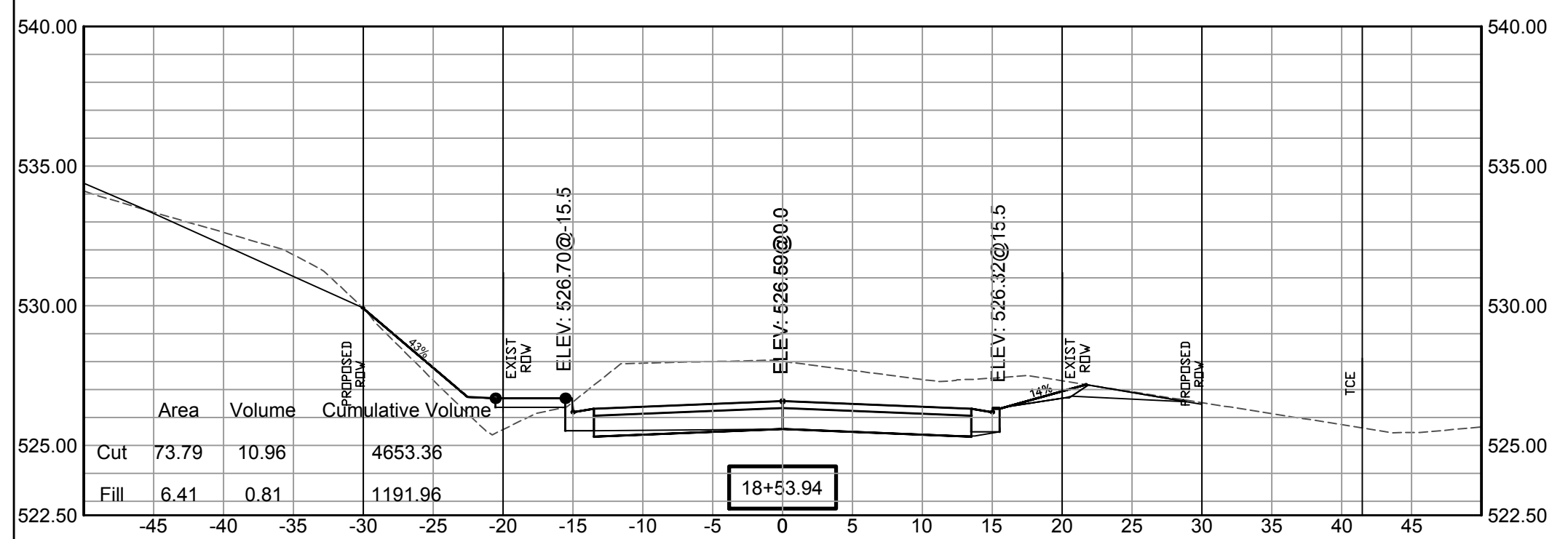
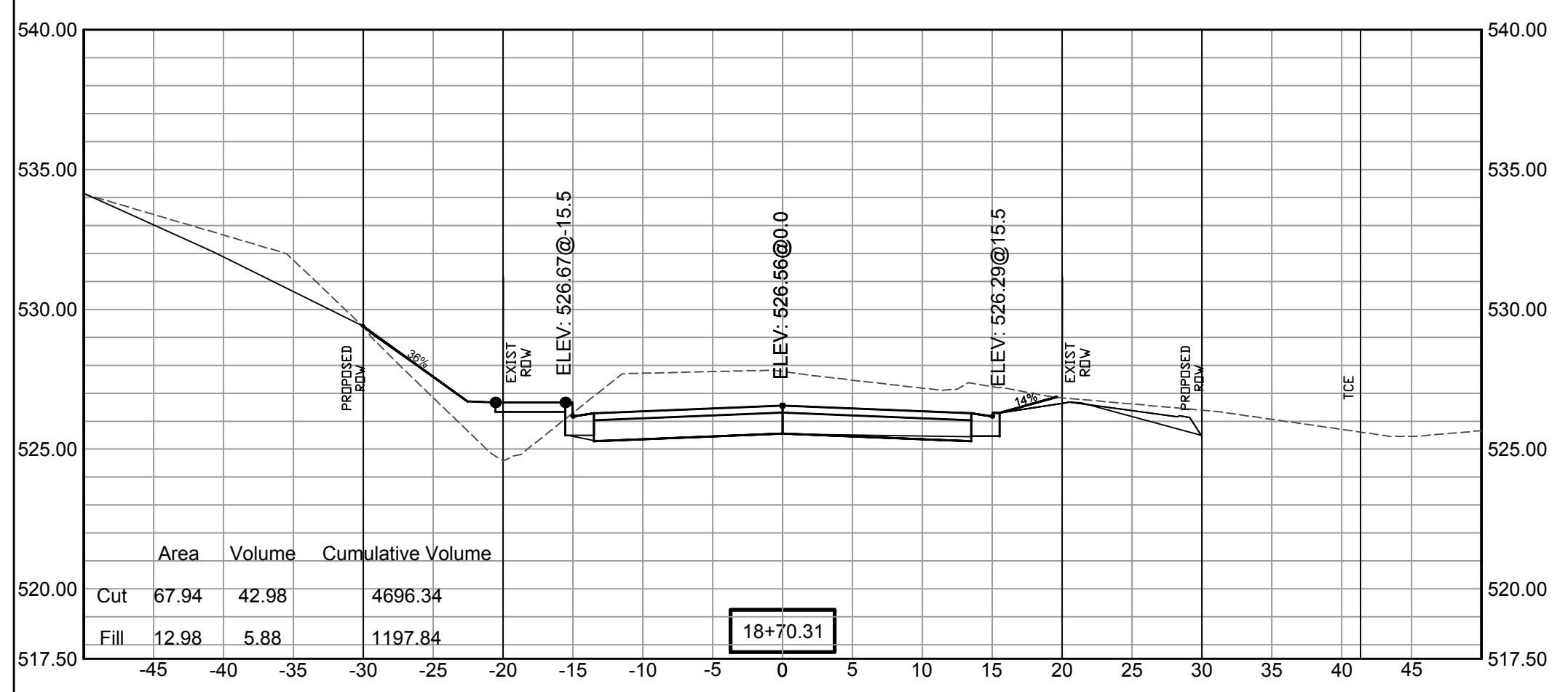
REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 10



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


SCALE:
 1" = 5'V
 1" = 10'H

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C32

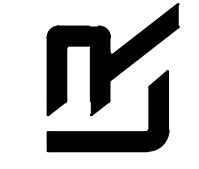
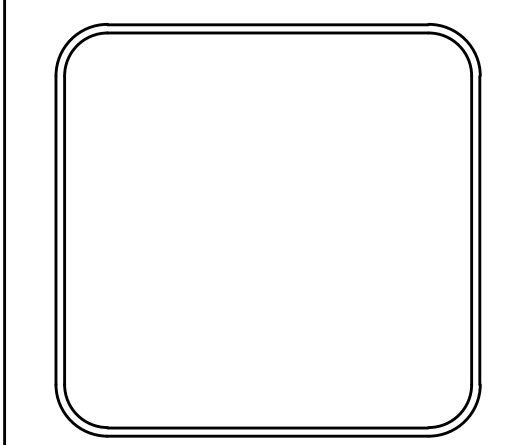
REVISIONS	DATE

100% SUBMITTAL

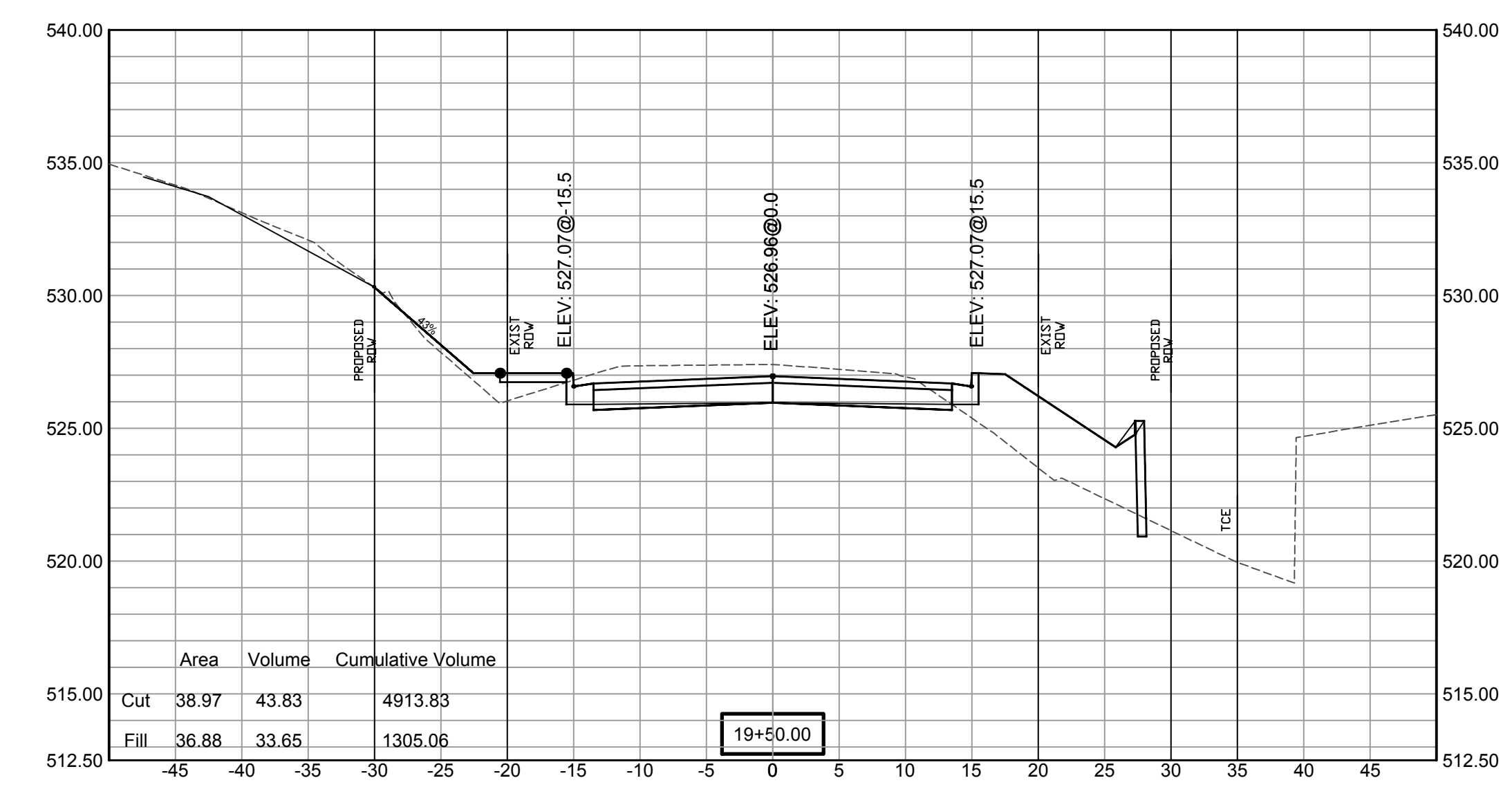
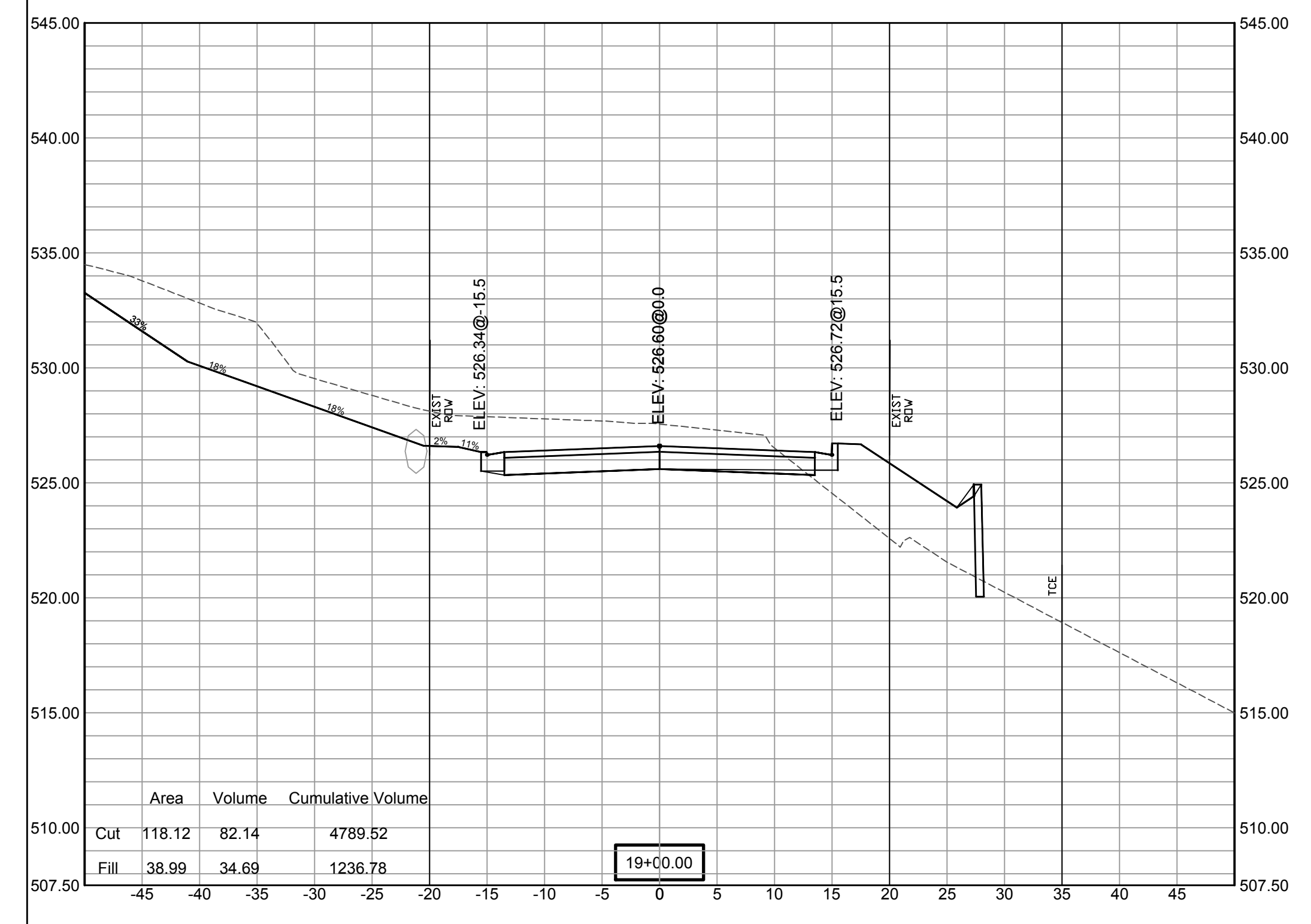
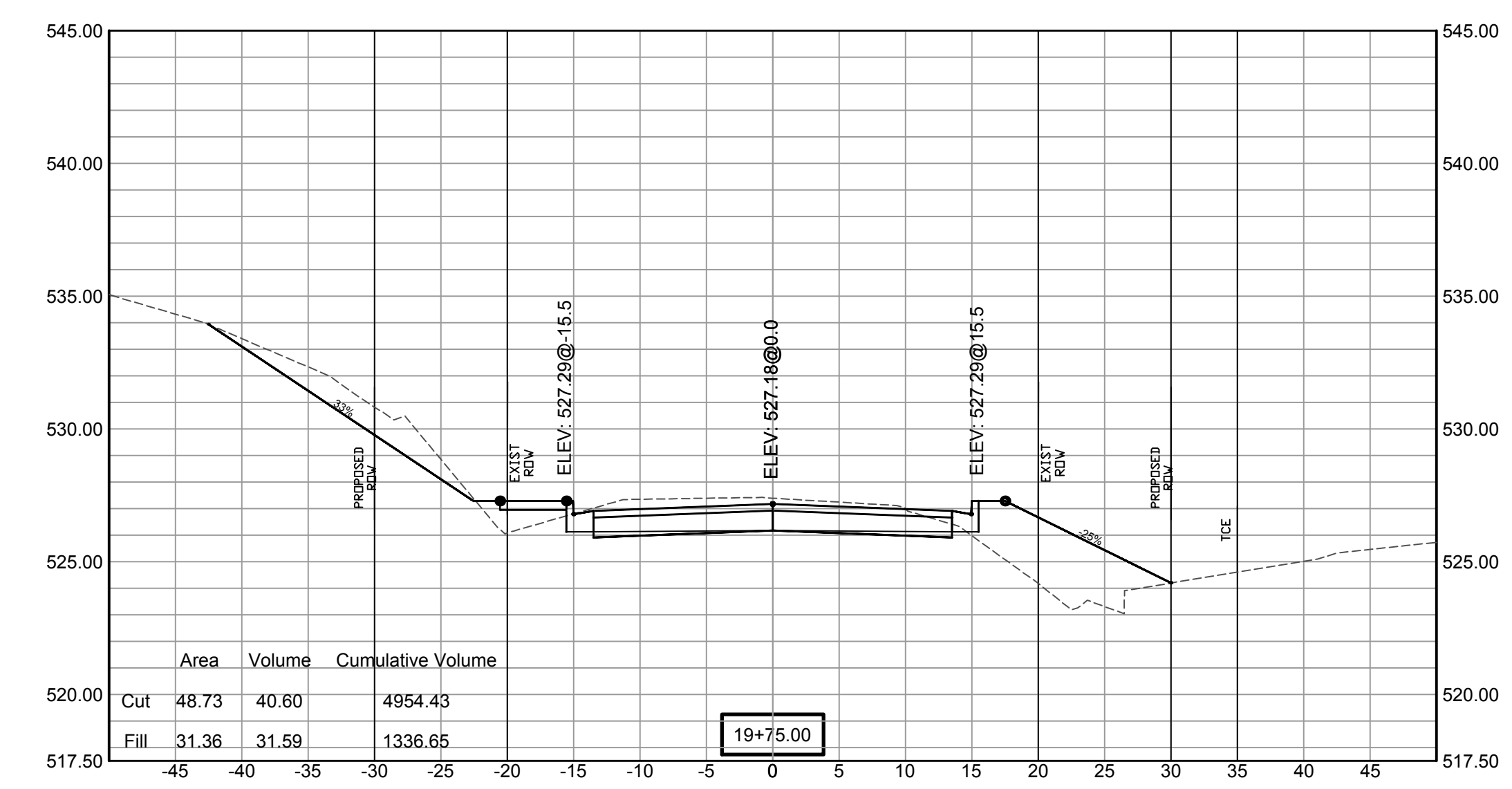
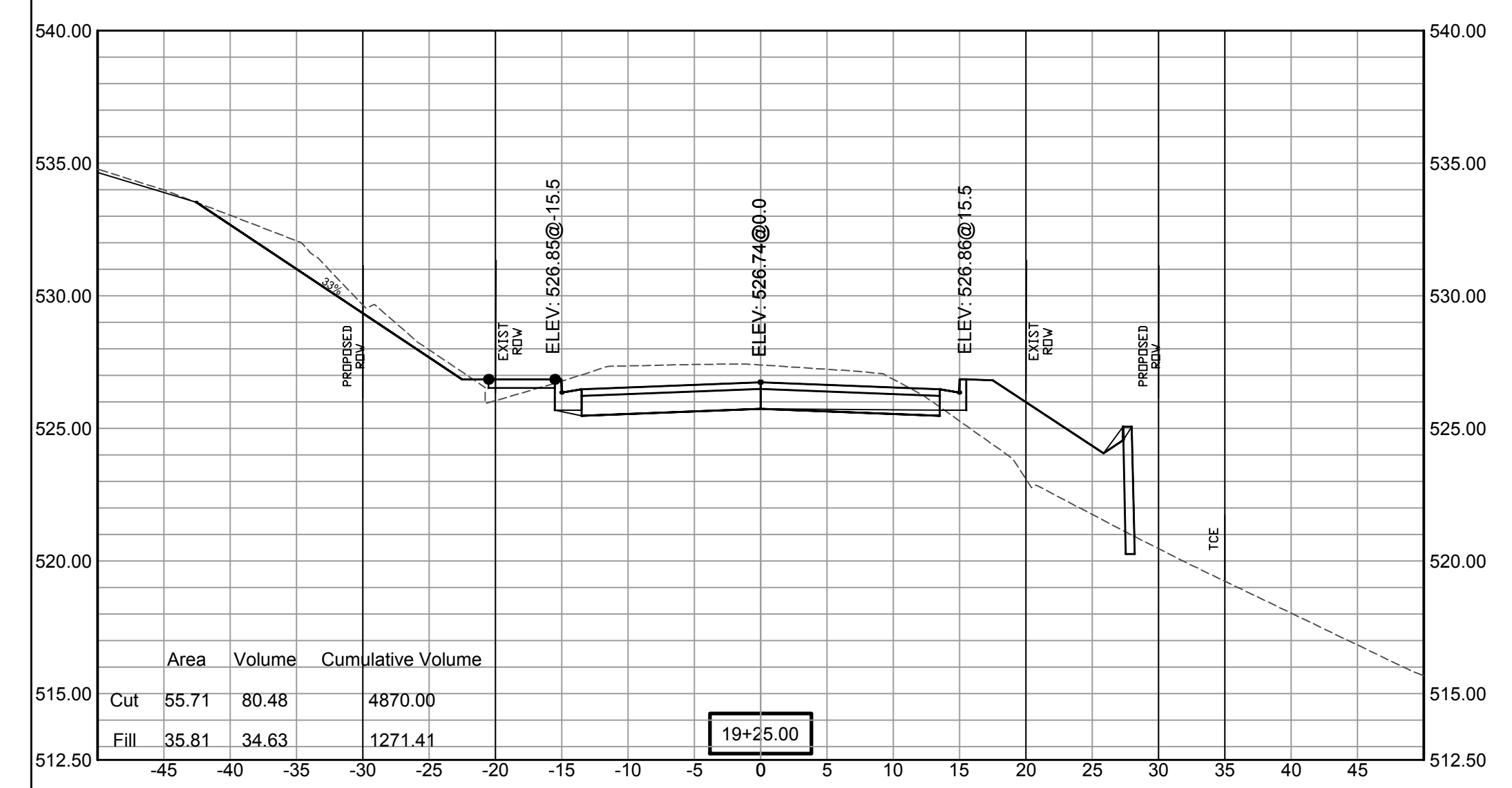
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 11



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C33




SCALE:
 1"= 5'V
 1"= 10'H


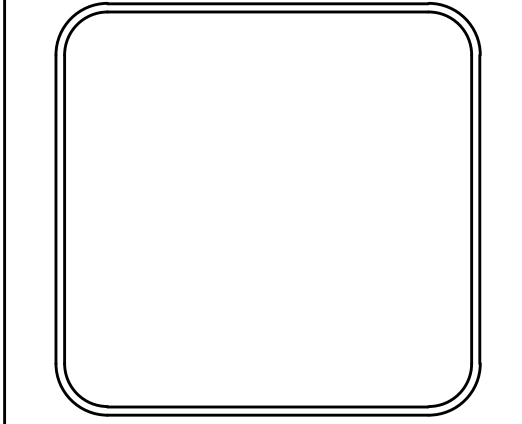
REVISIONS	DATE

100% SUBMITTAL

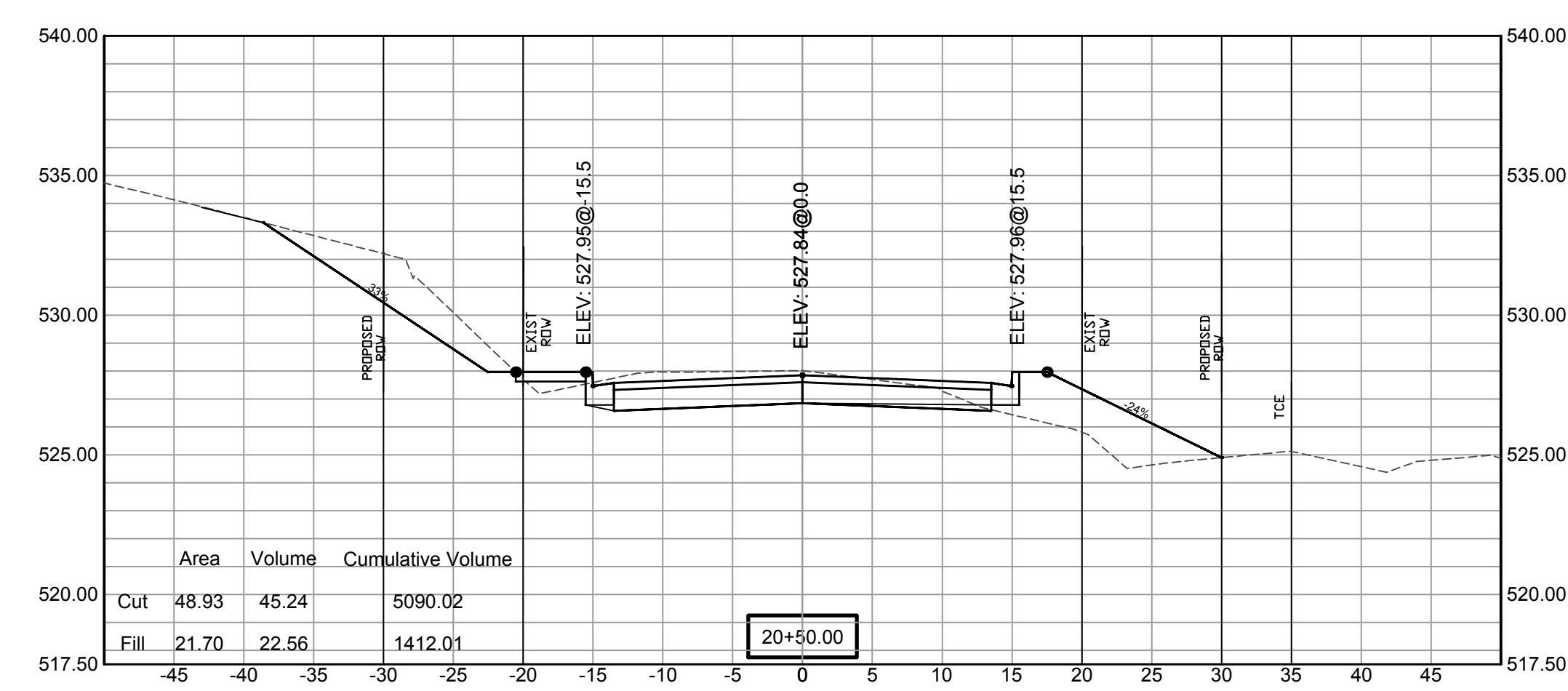
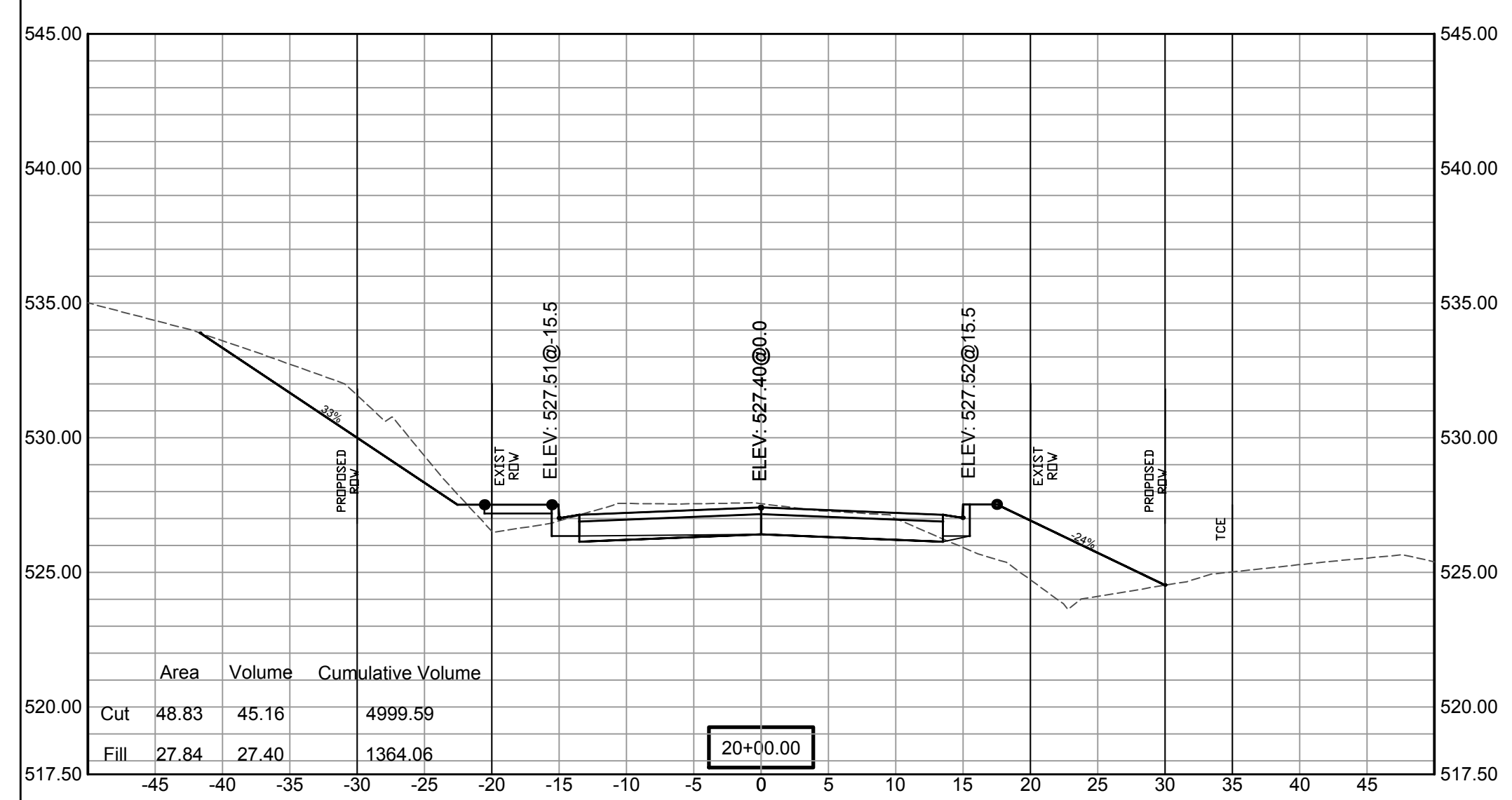
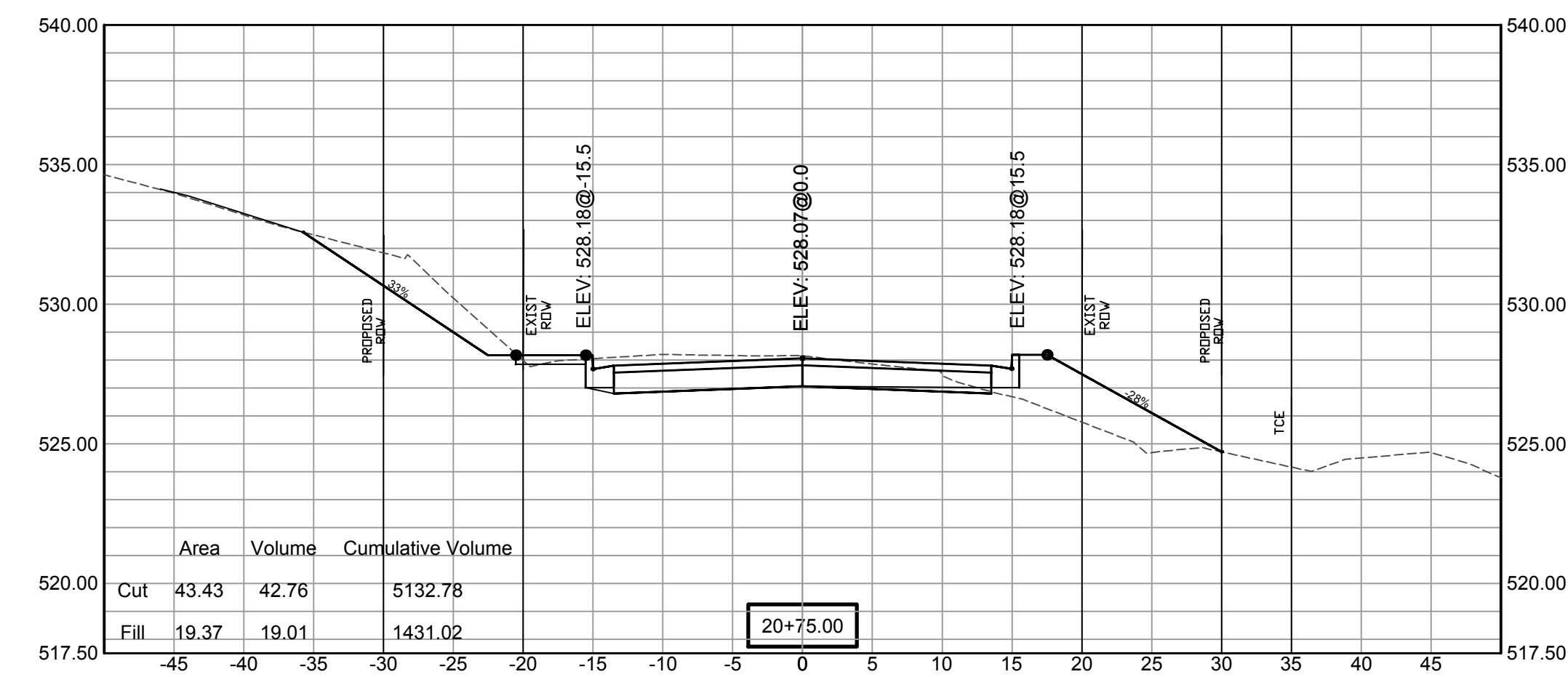
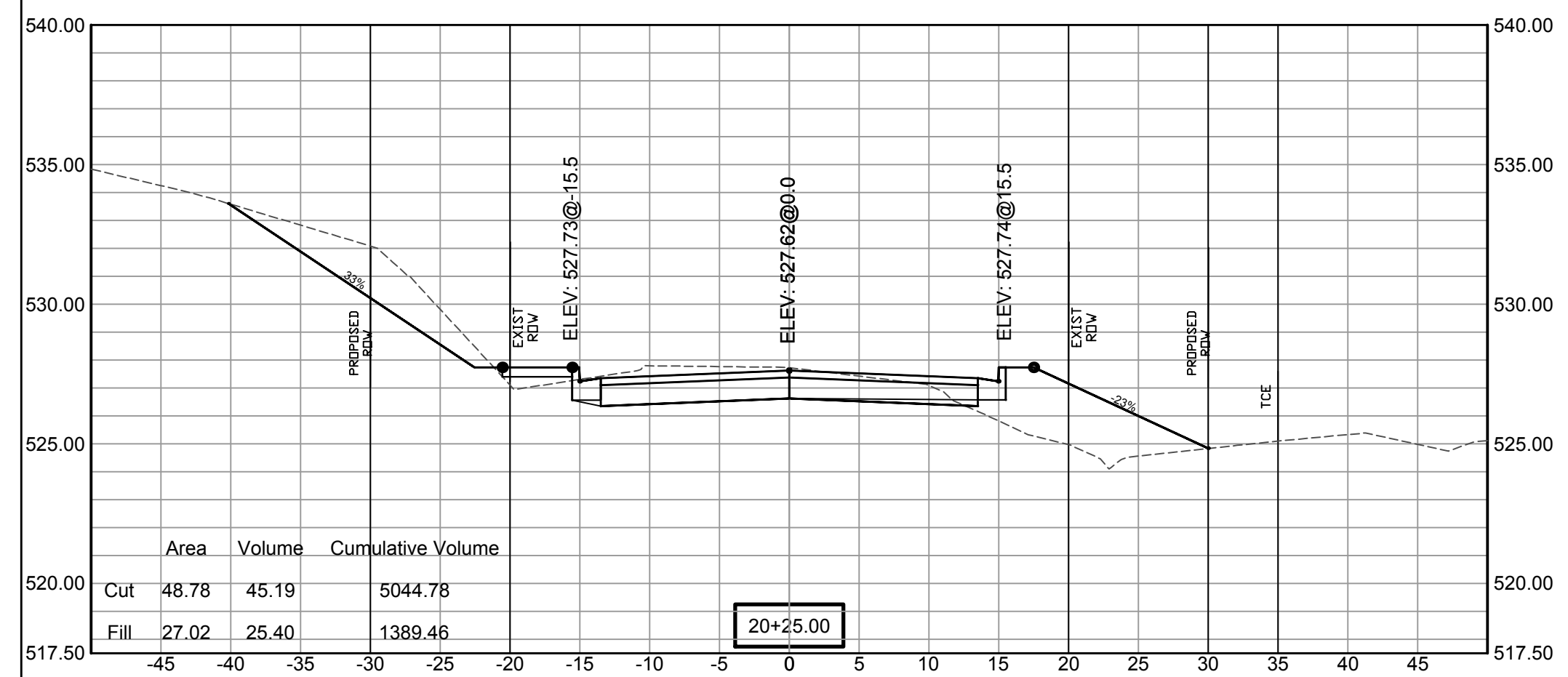
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 12



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C34




SCALE:
1"= 5'V
1"= 10'H


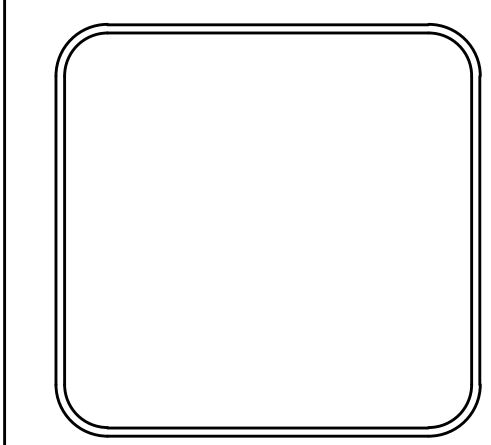
REVISIONS	DATE

100% SUBMITTAL

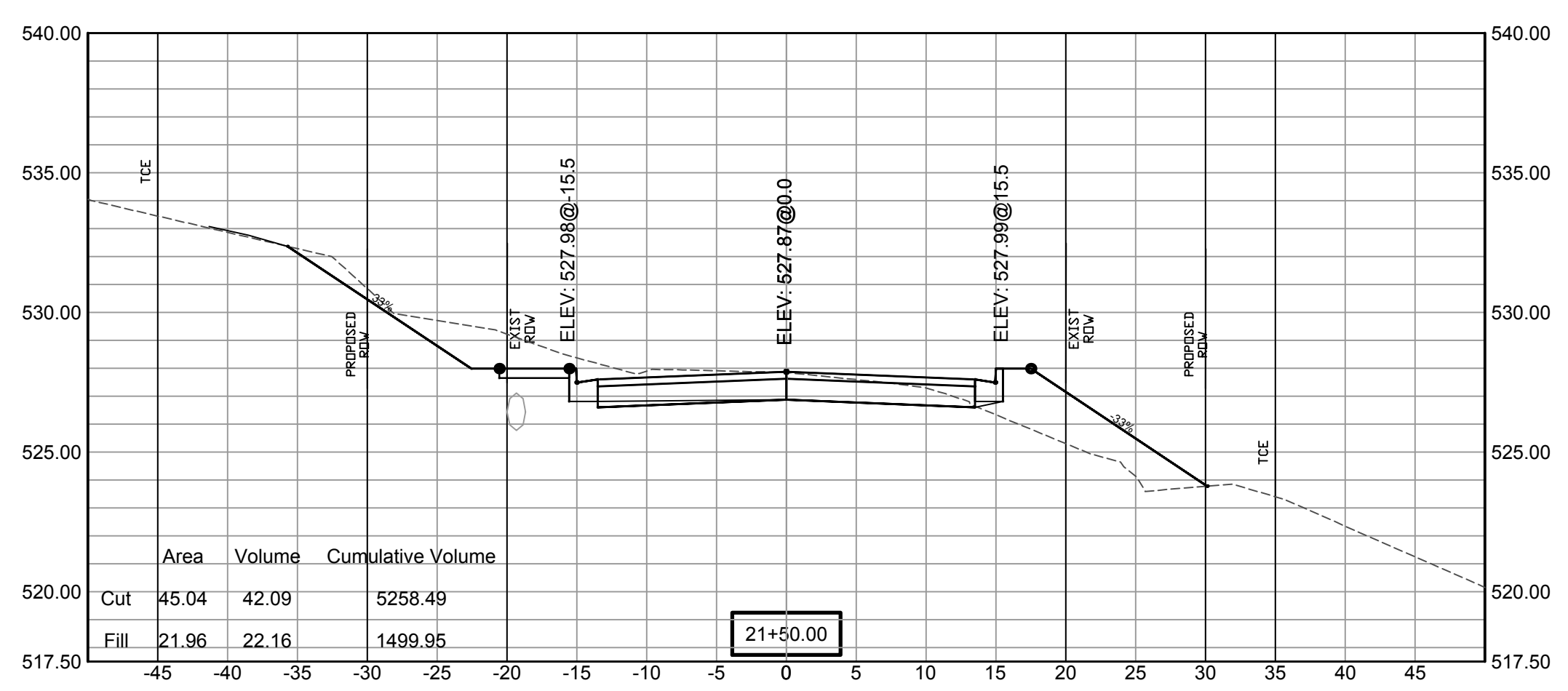
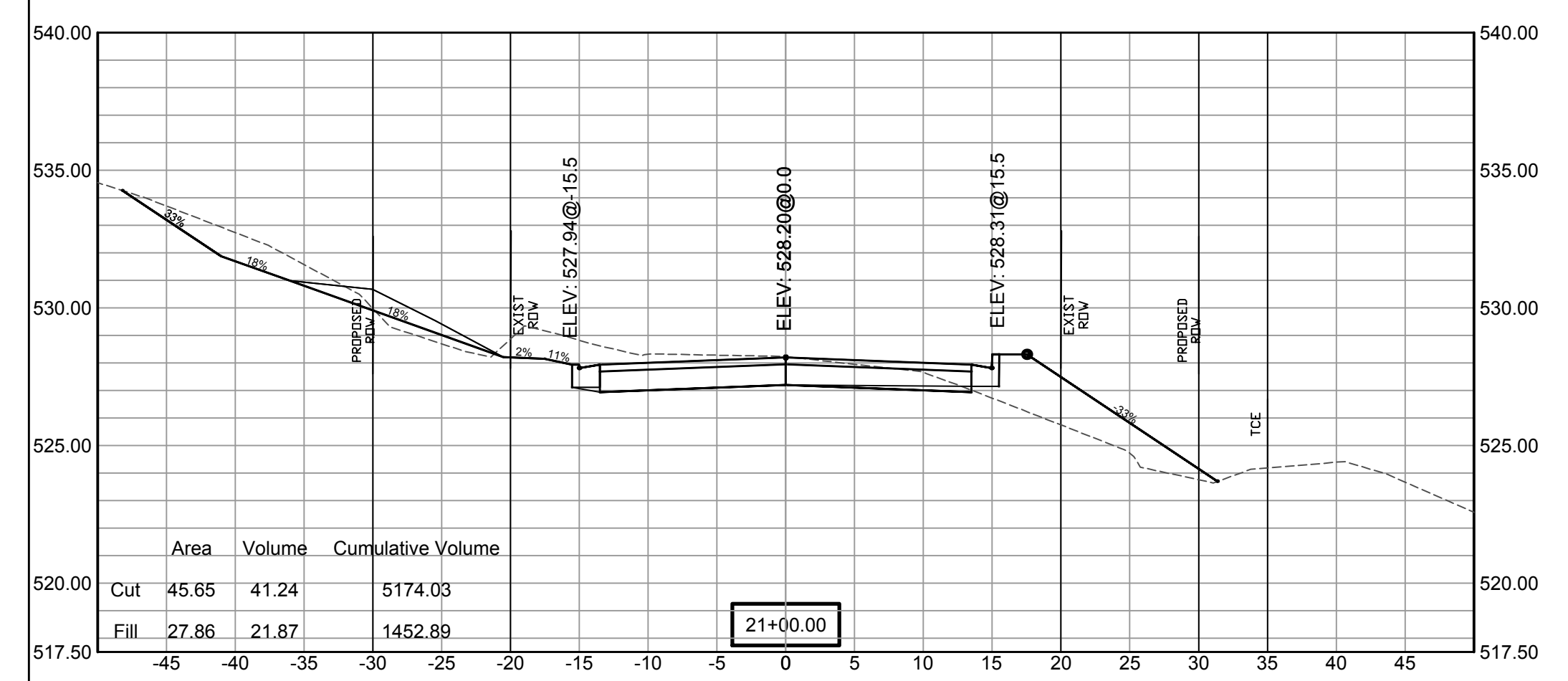
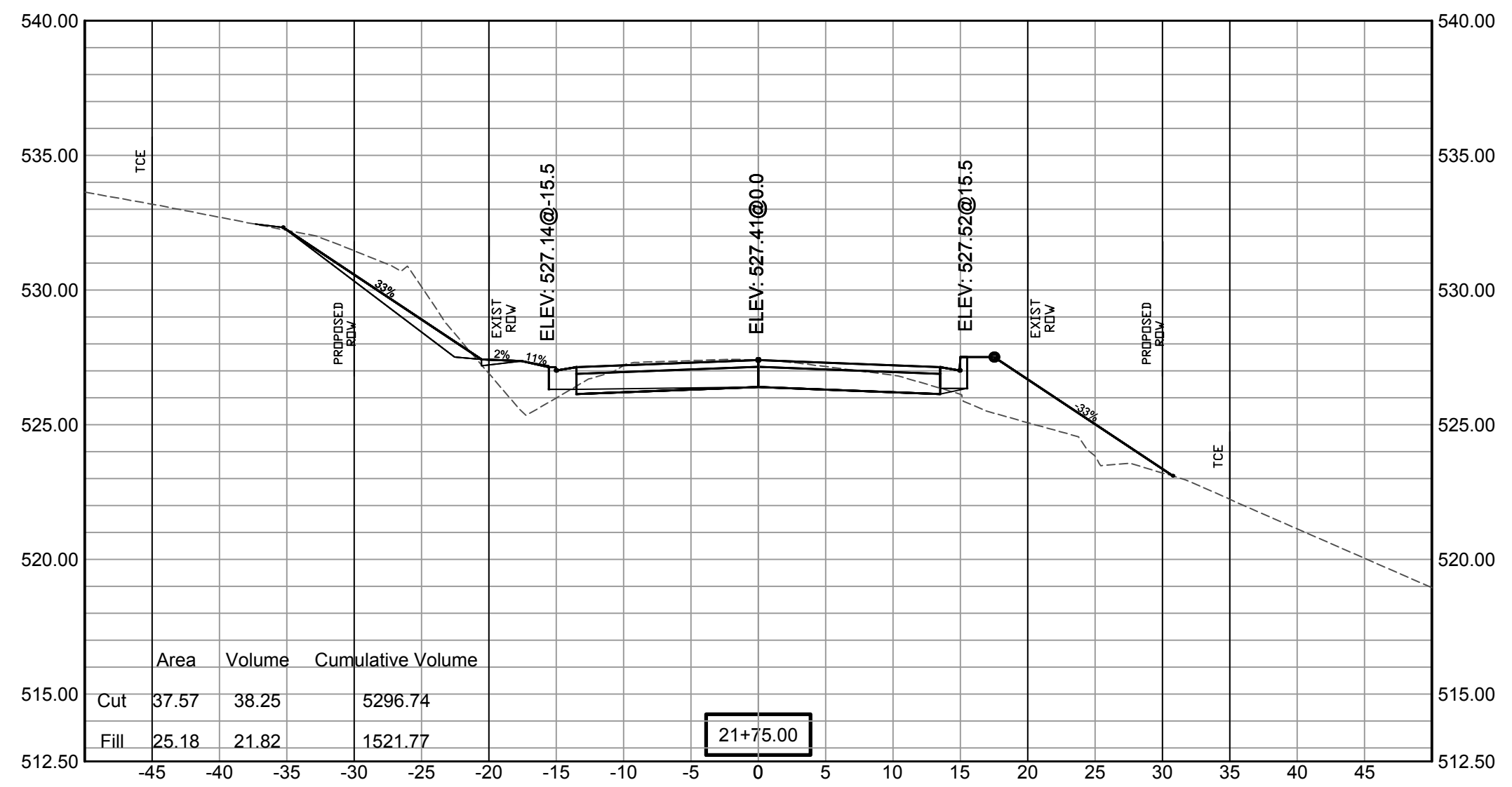
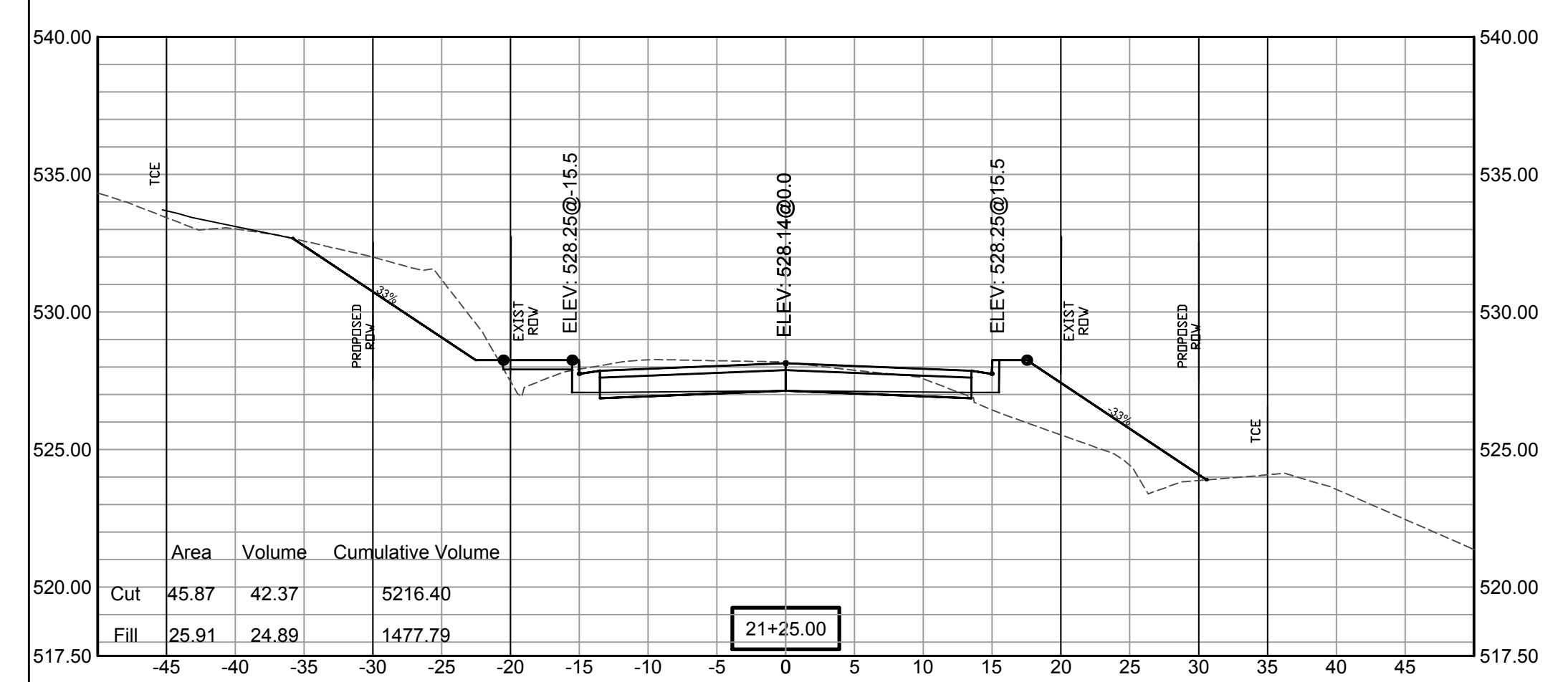
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 13



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C35

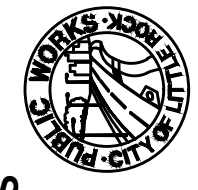


SCALE:
 1"= 5'V
 1"= 10'H

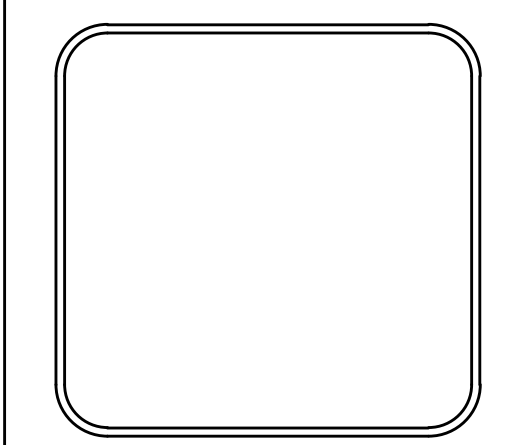
REVISIONS	DATE

100% SUBMITTAL

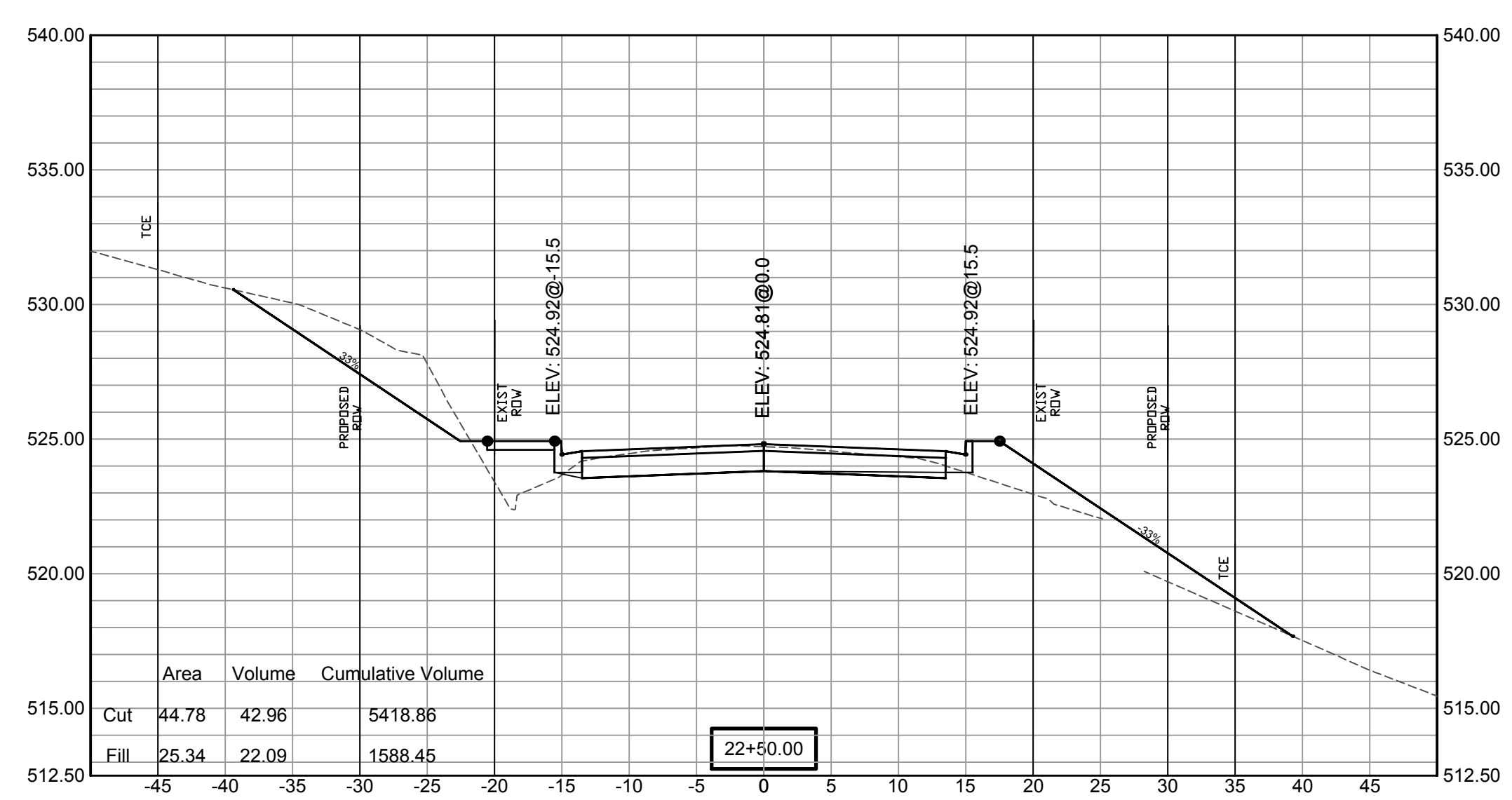
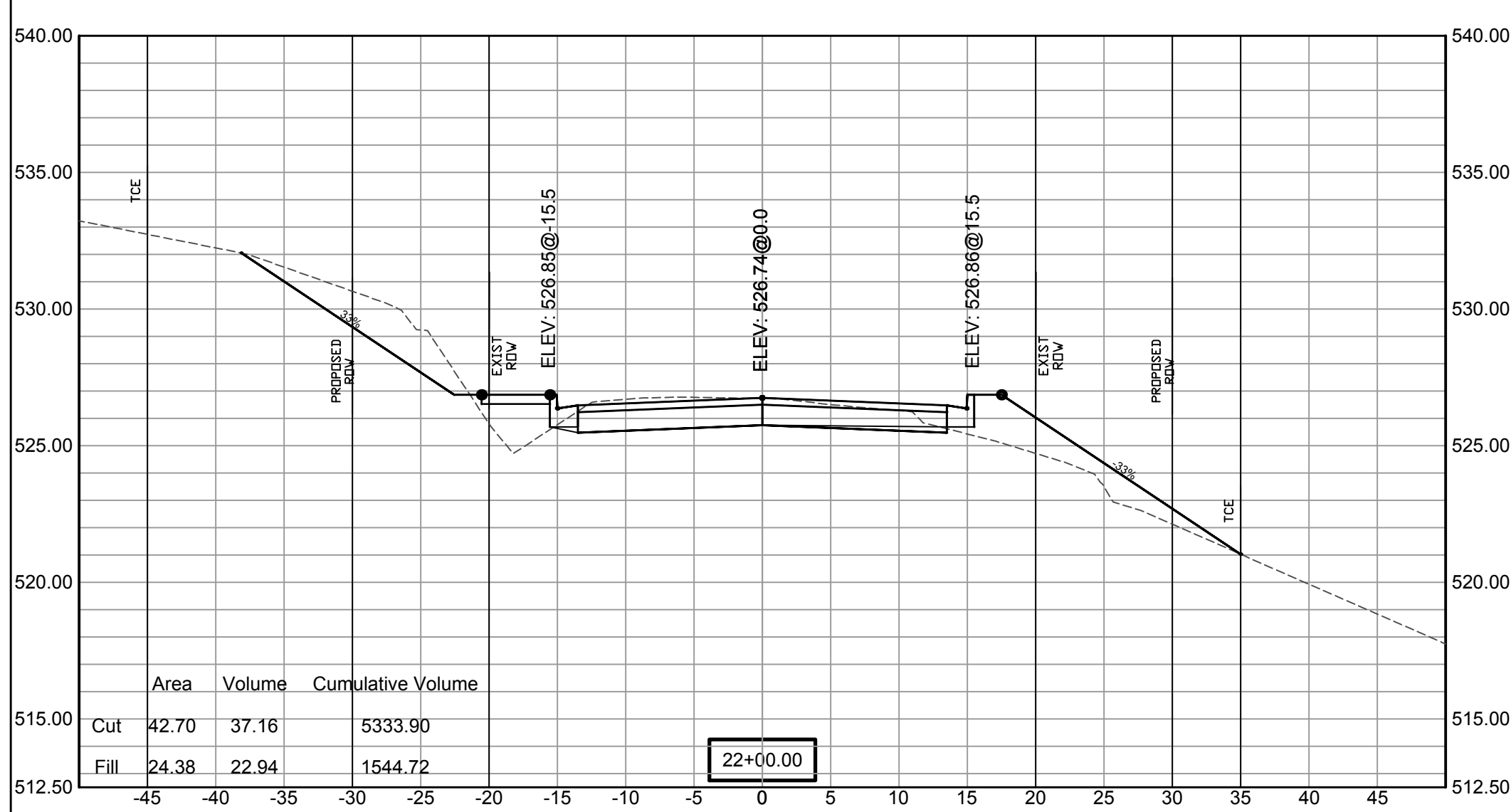
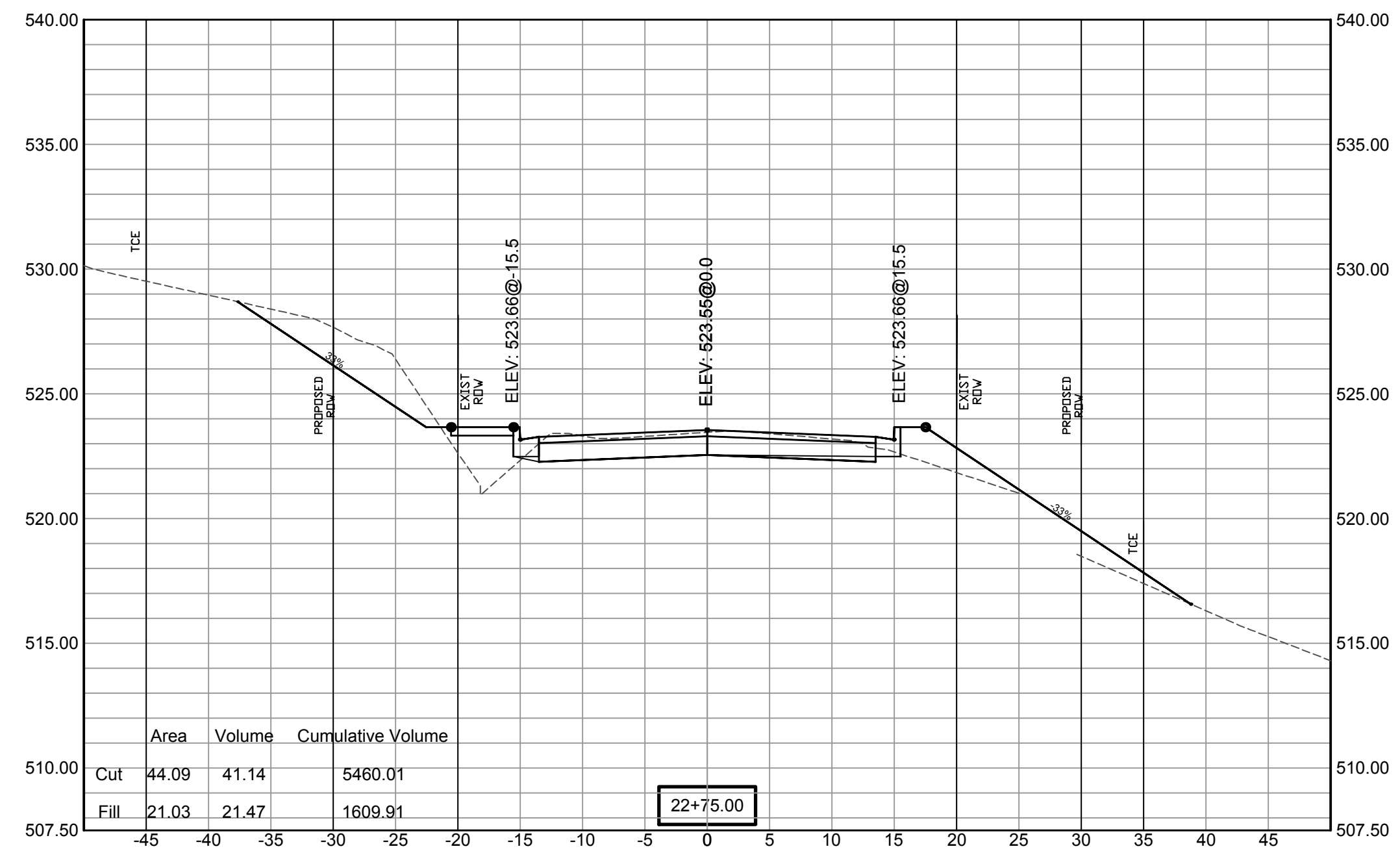
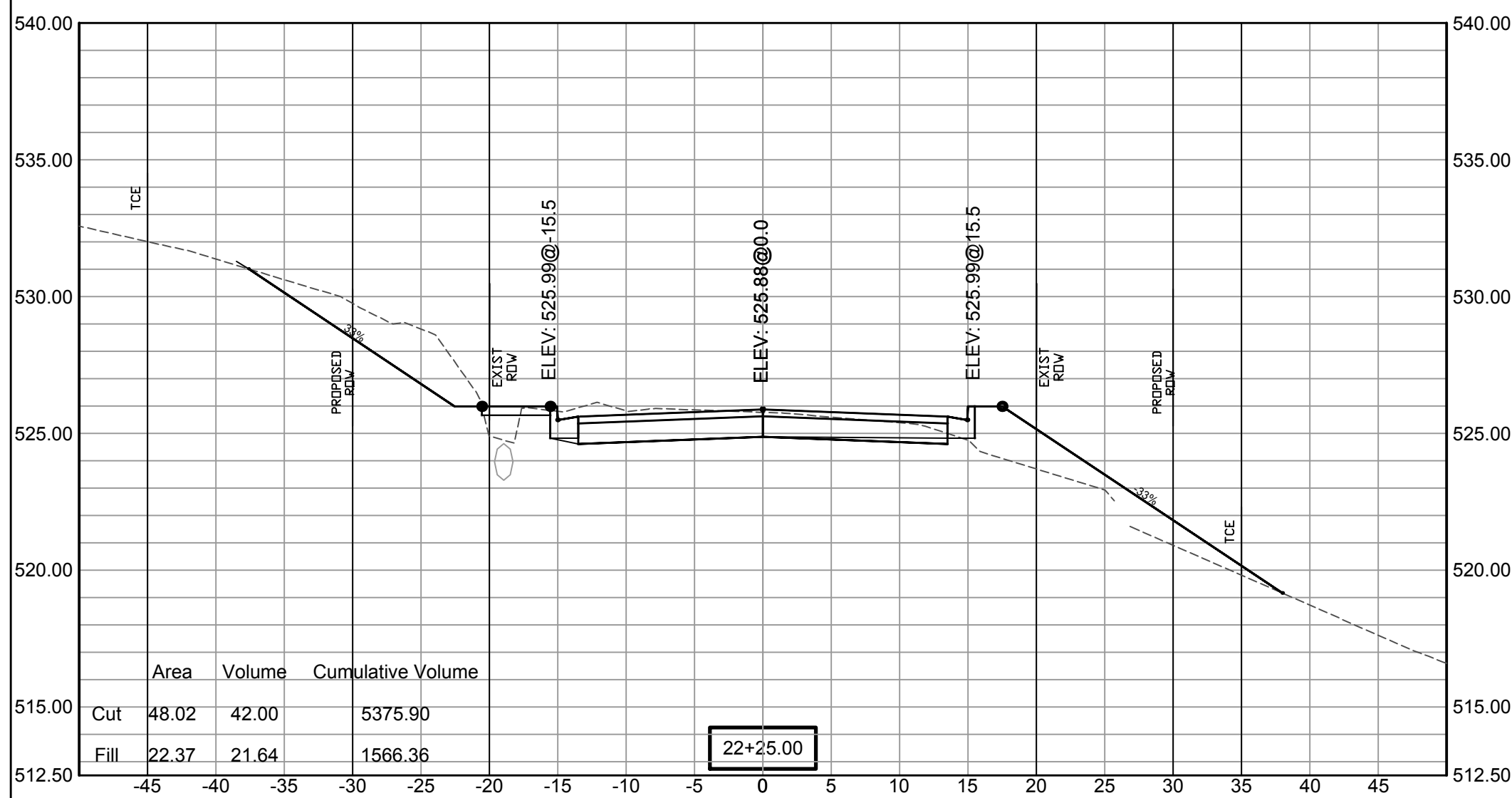
**CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 14**



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



DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C36

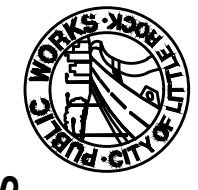


SCALE:
1"= 5'V
1"= 10'H

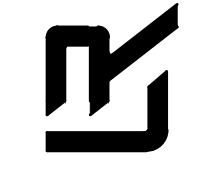
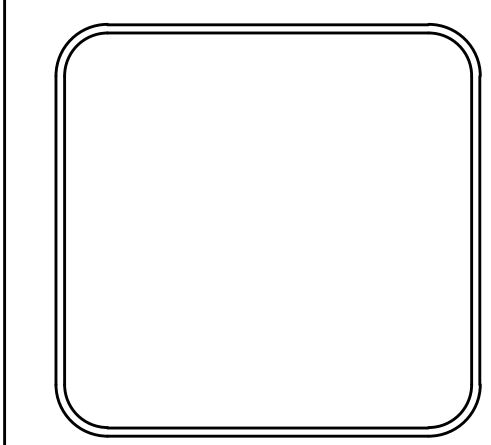
REVISIONS	DATE

100% SUBMITTAL

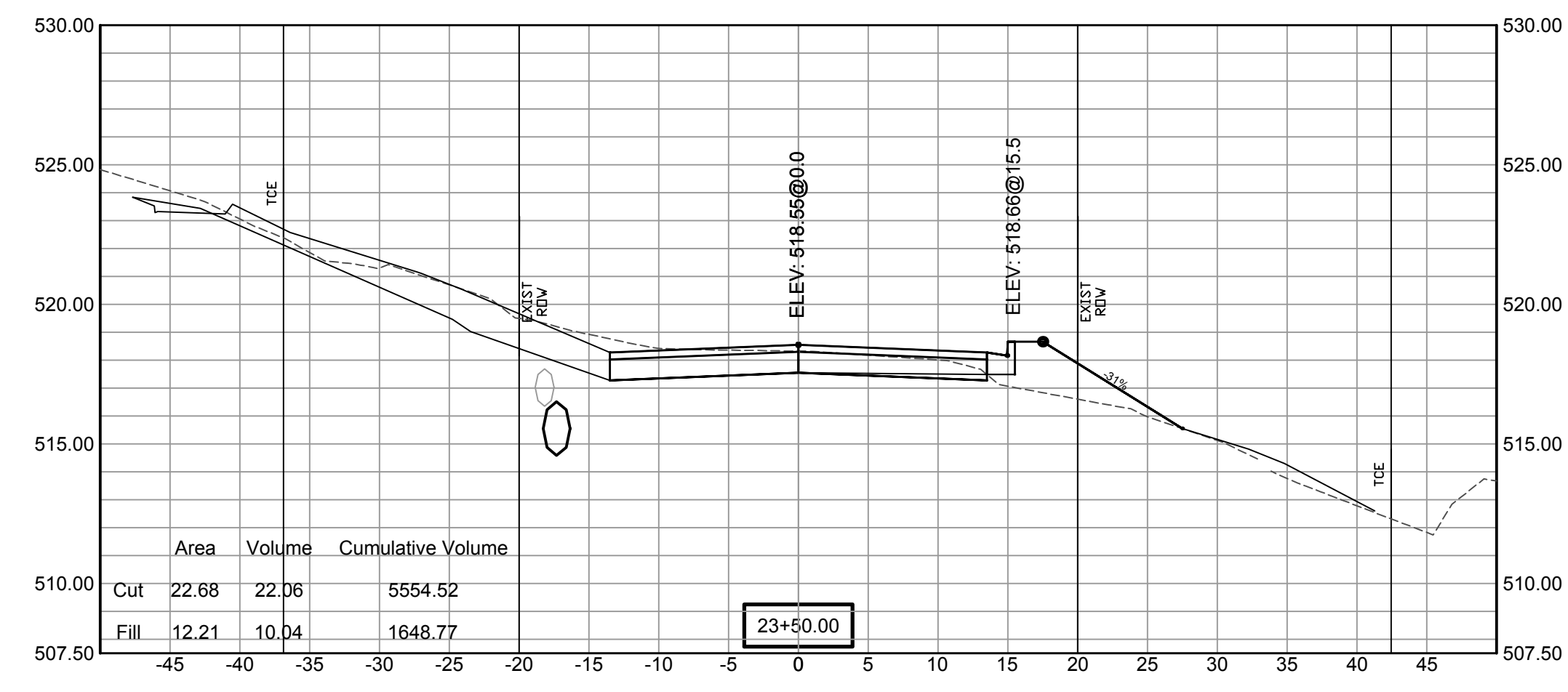
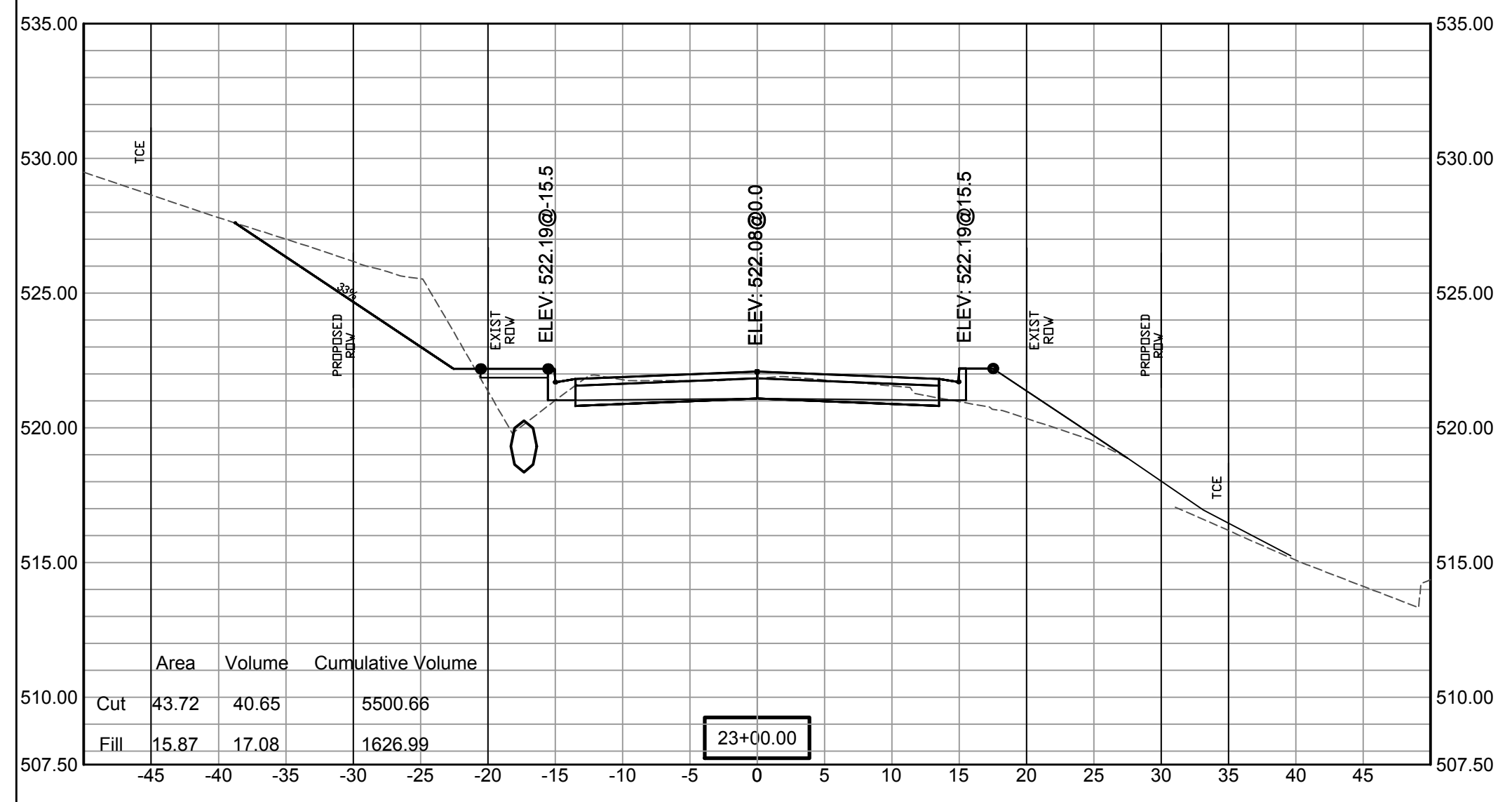
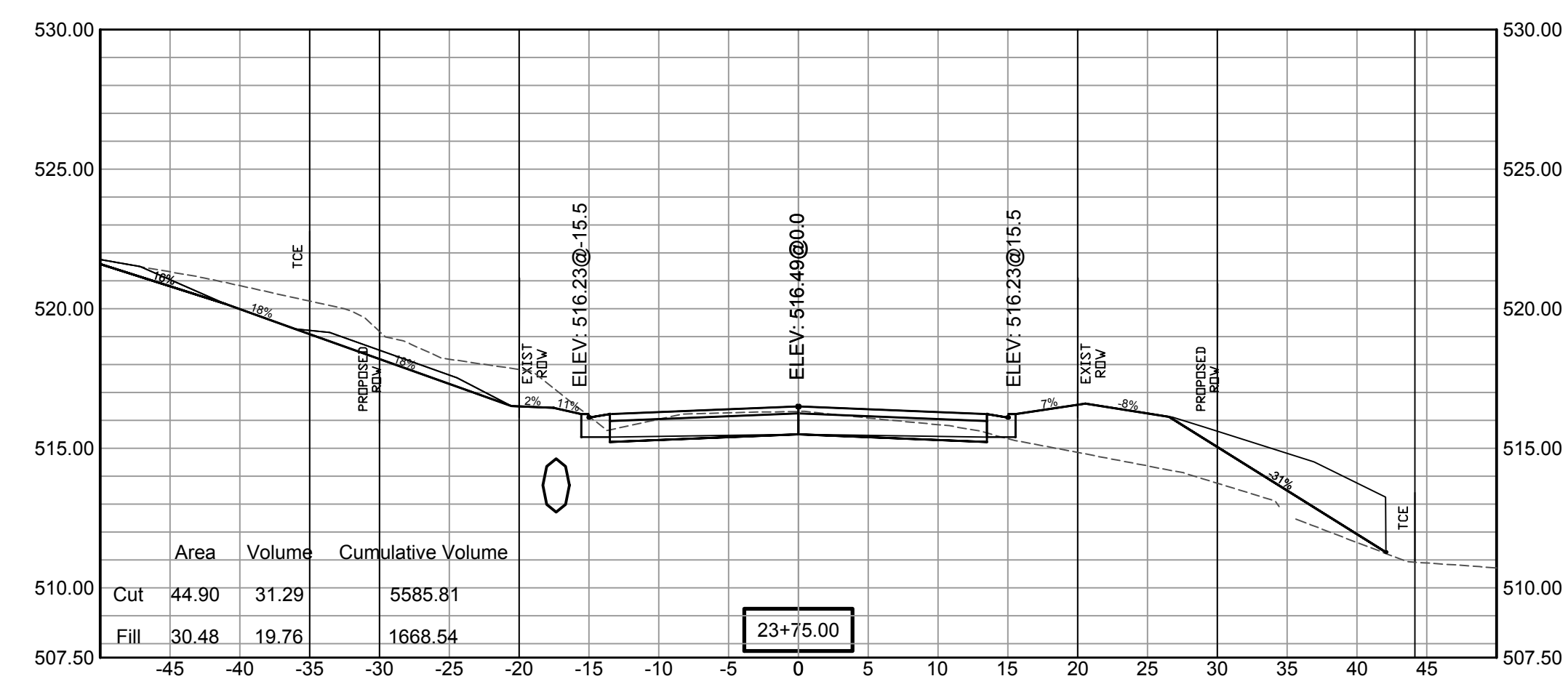
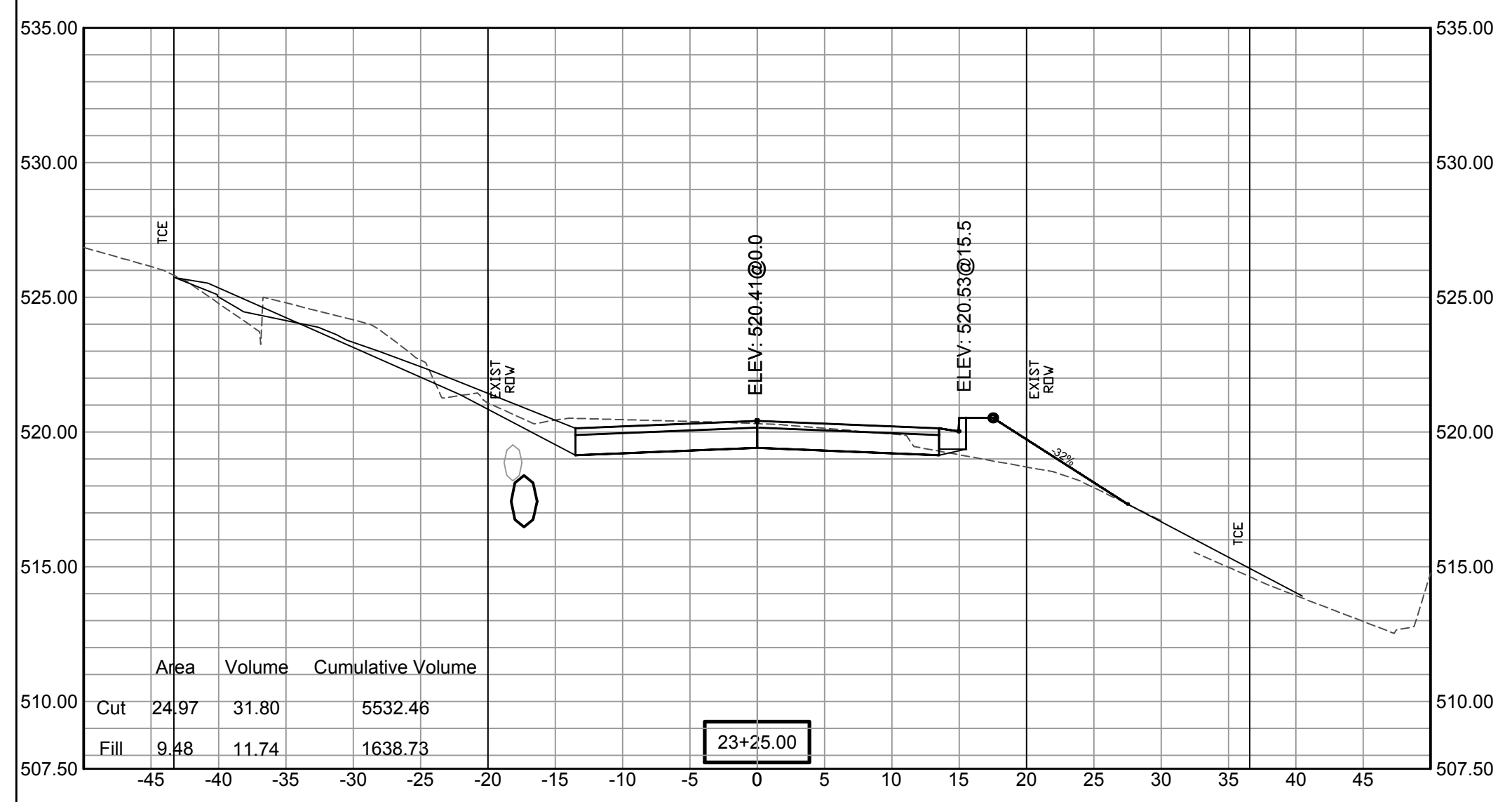
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 15



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C-37

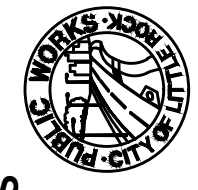


SCALE:
 1"= 5'V
 1"= 10'H


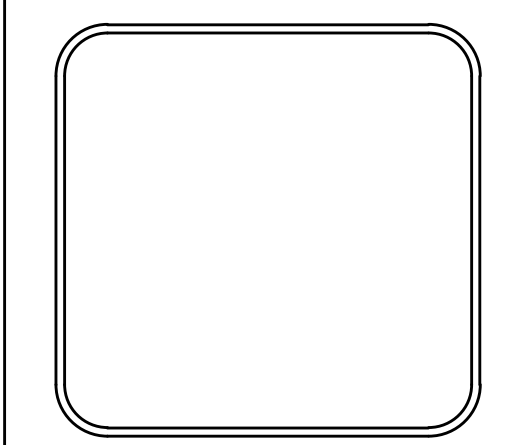
REVISIONS	DATE

100% SUBMITTAL

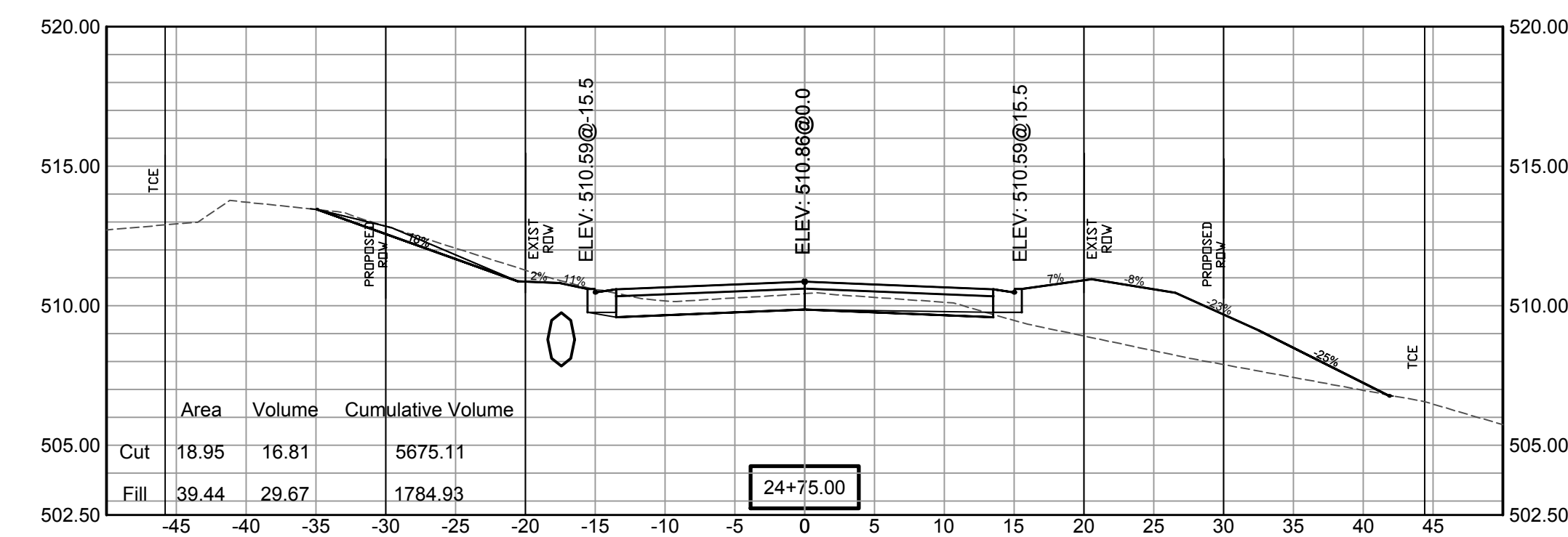
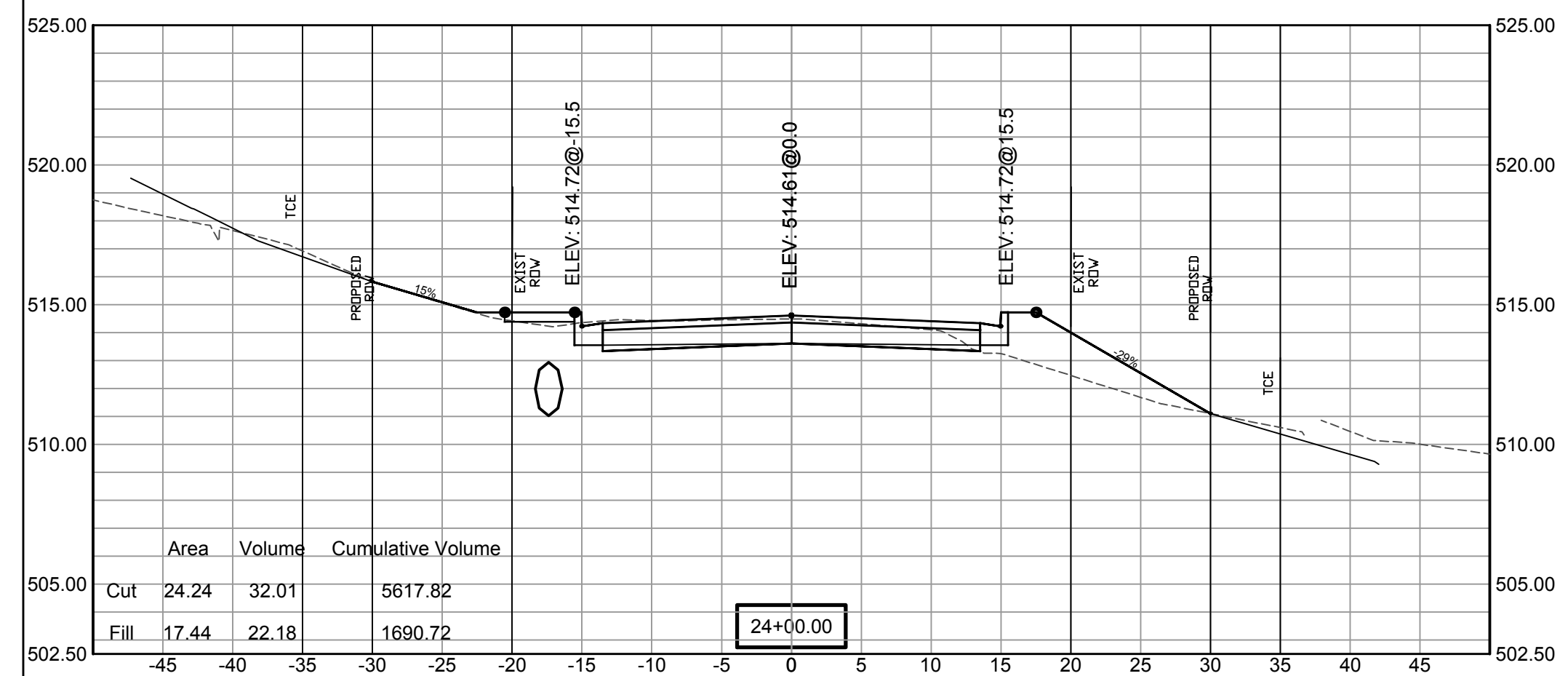
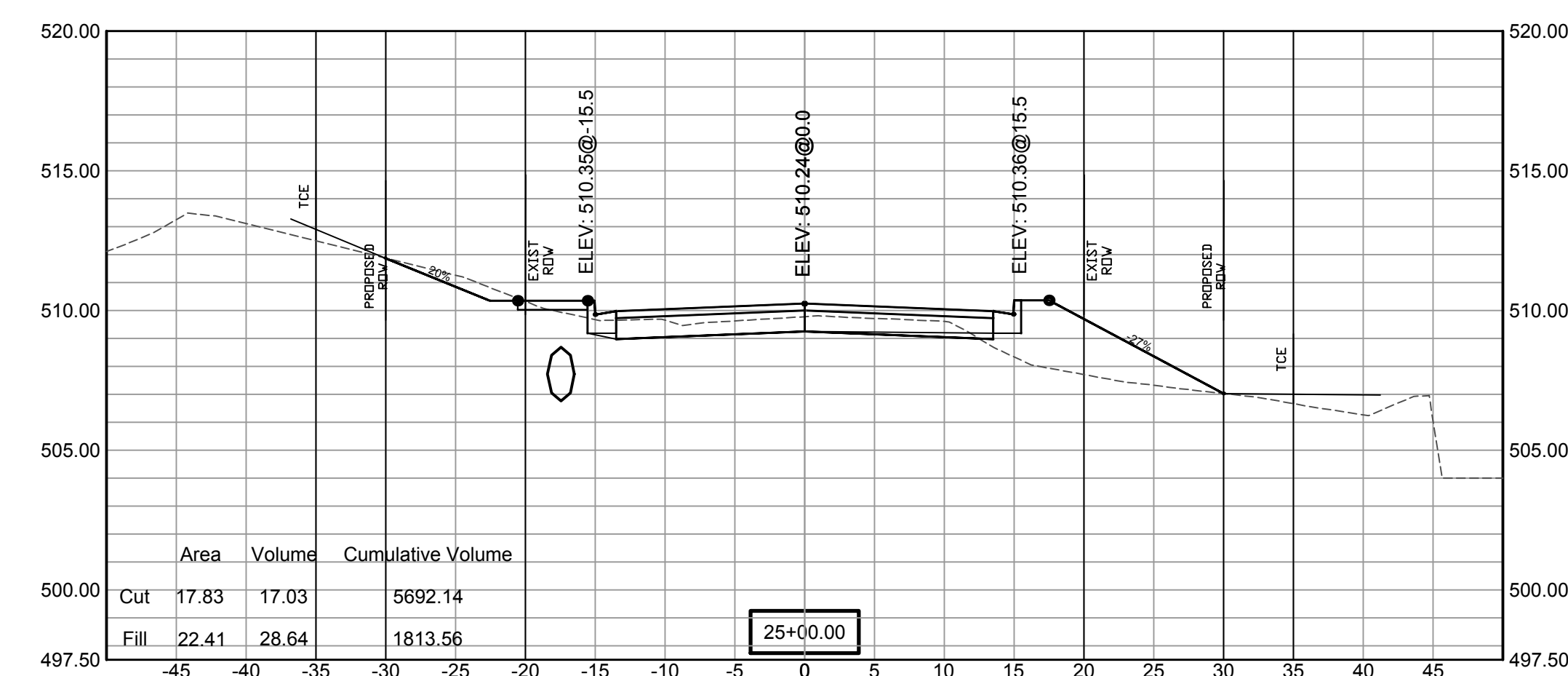
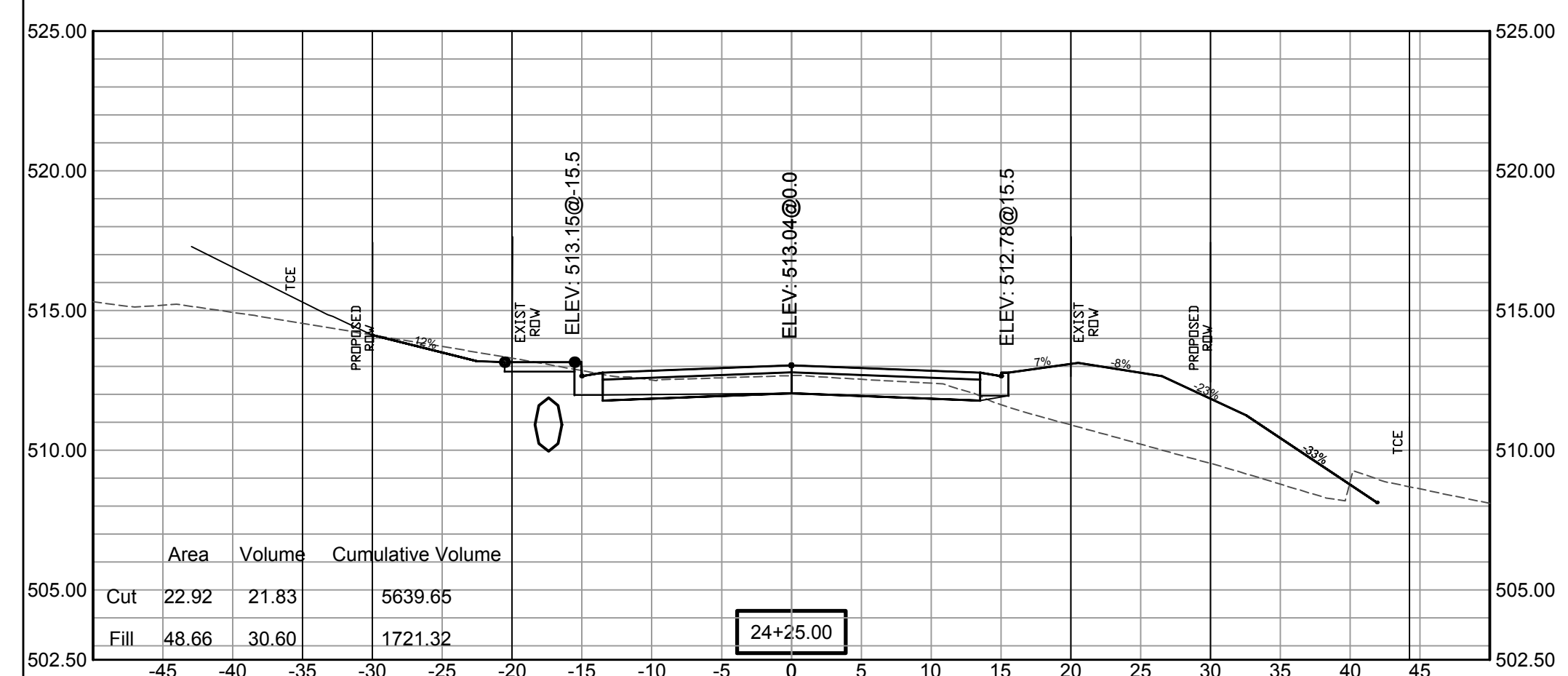
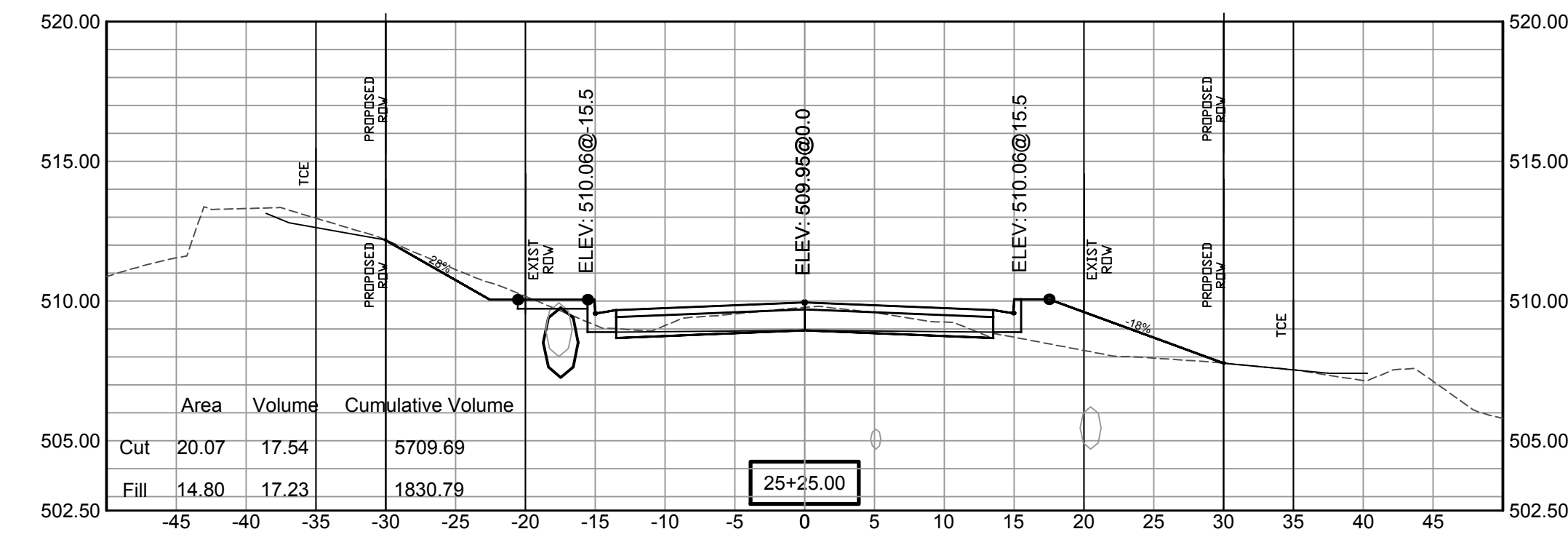
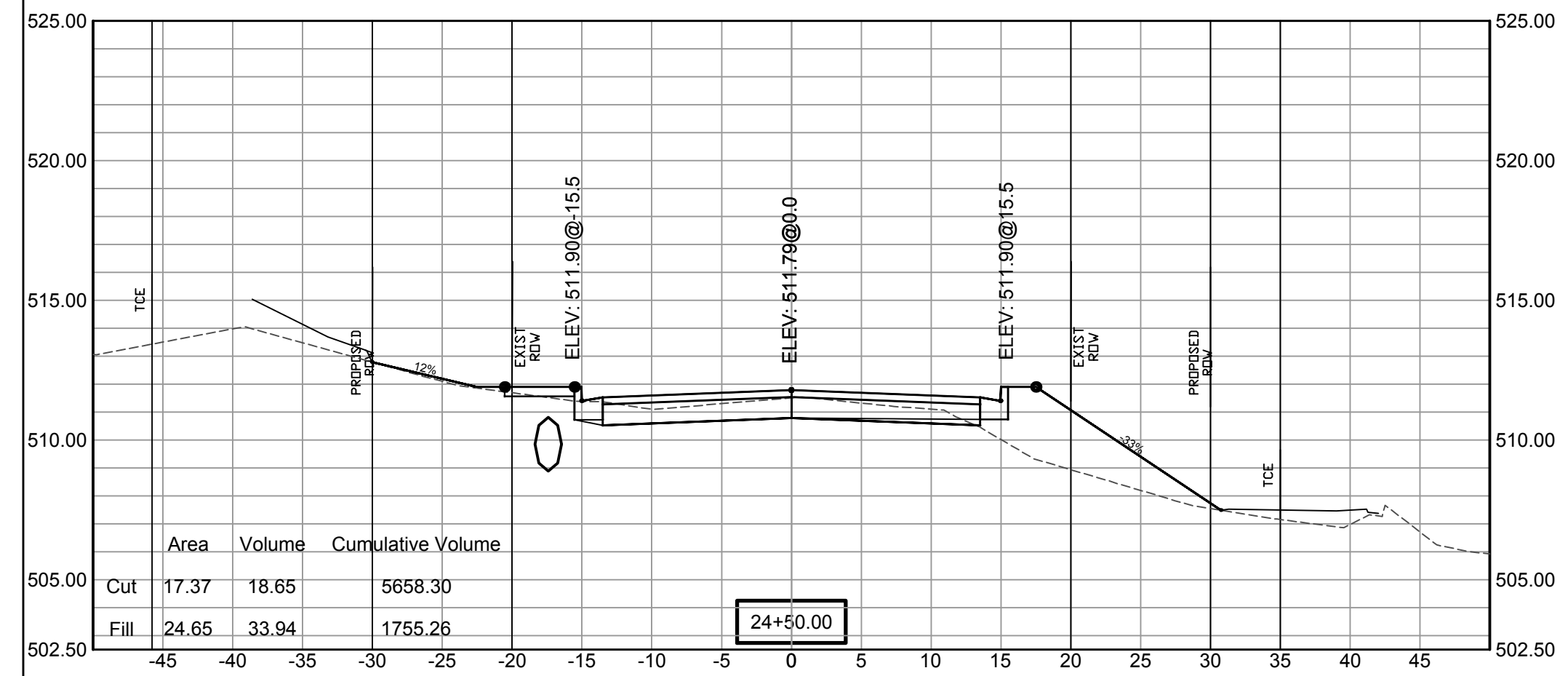
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 16



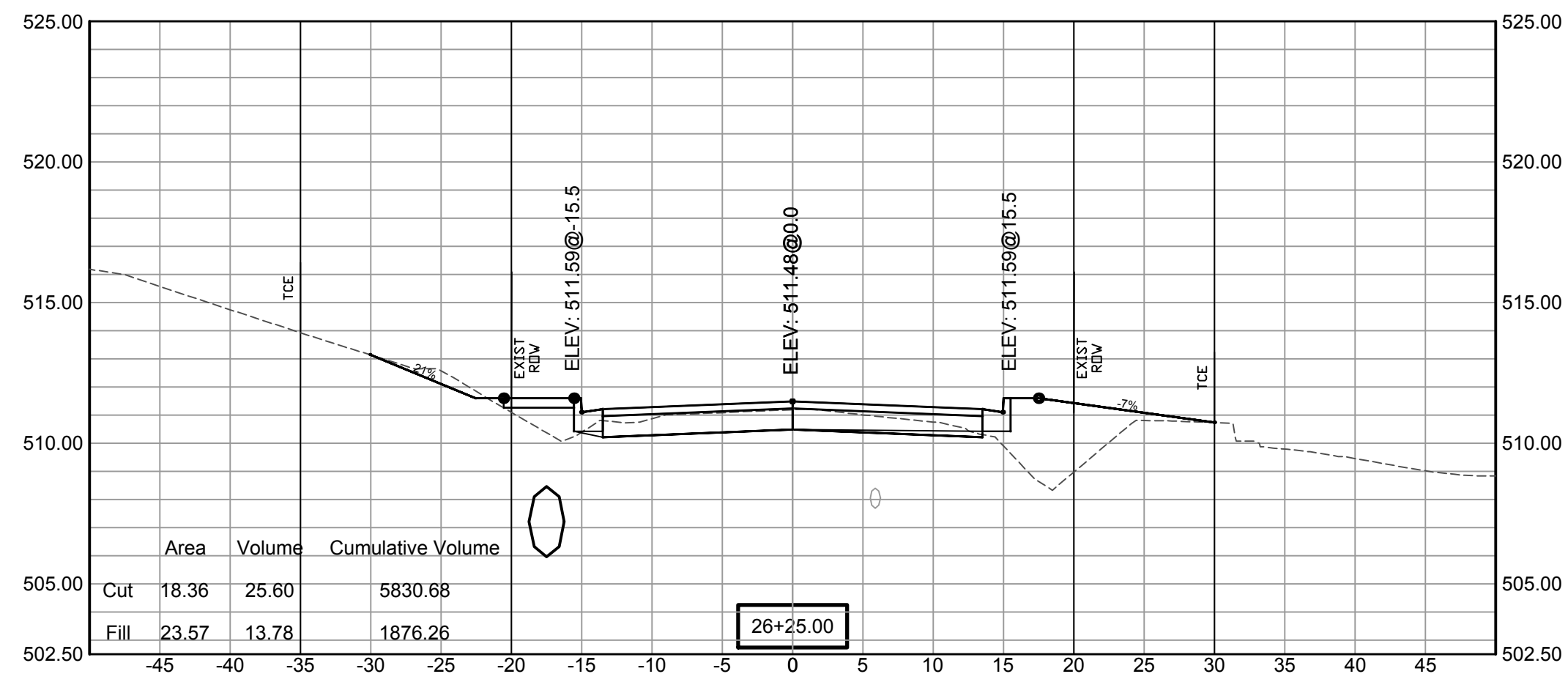
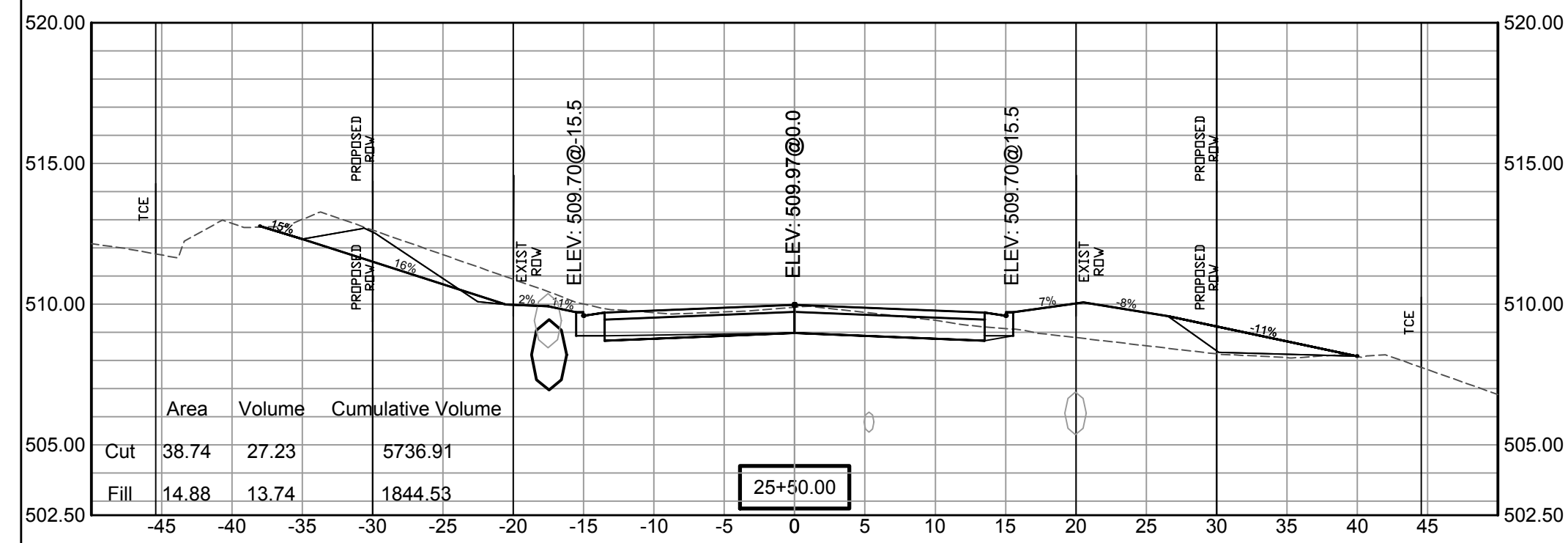
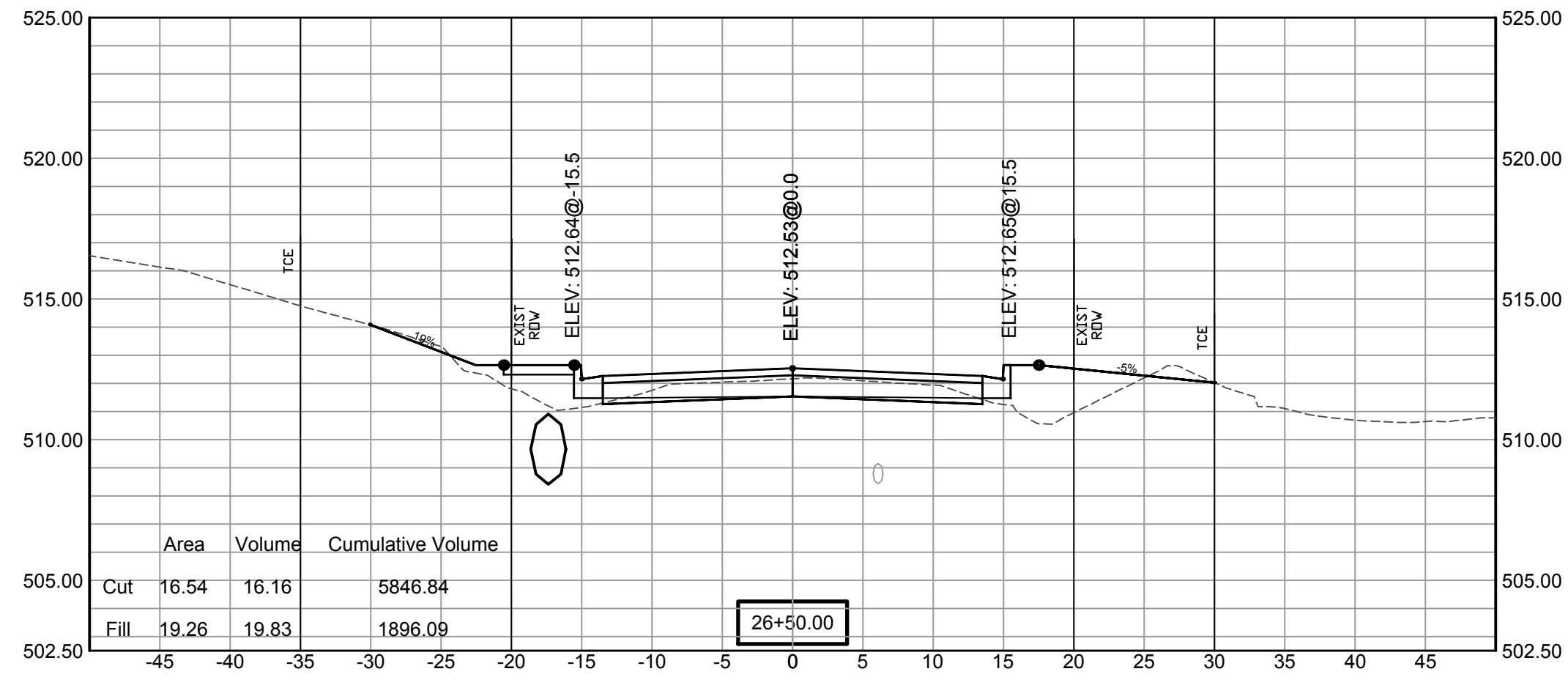
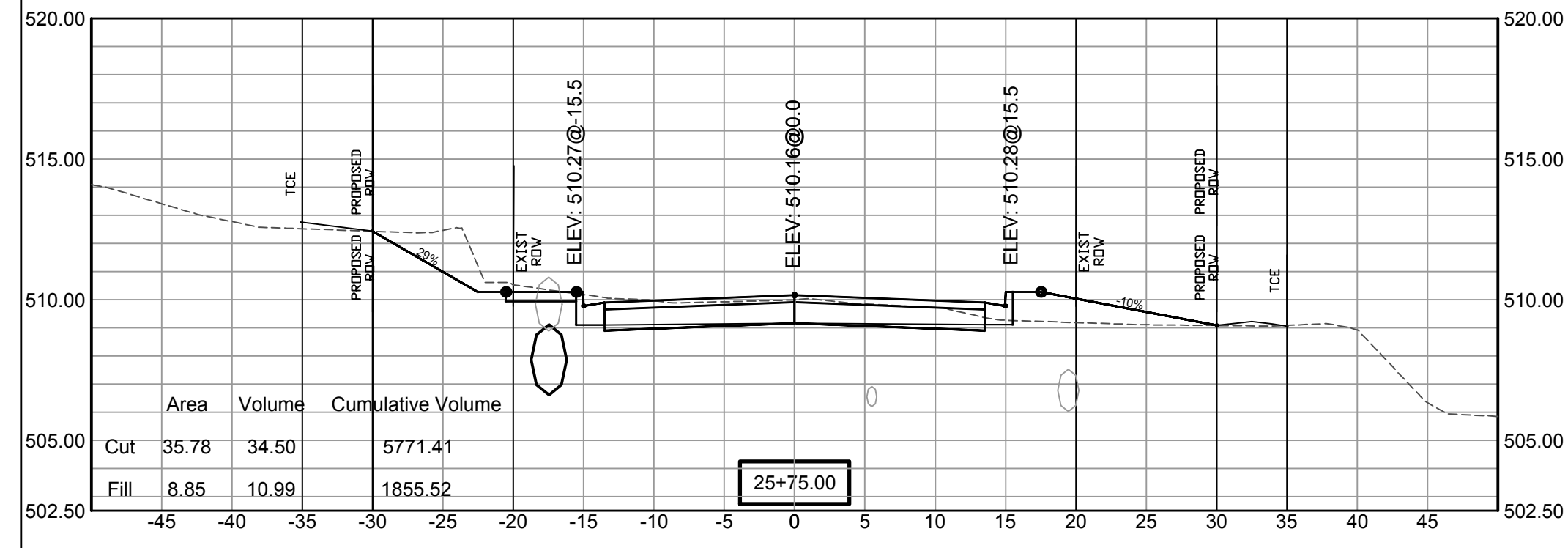
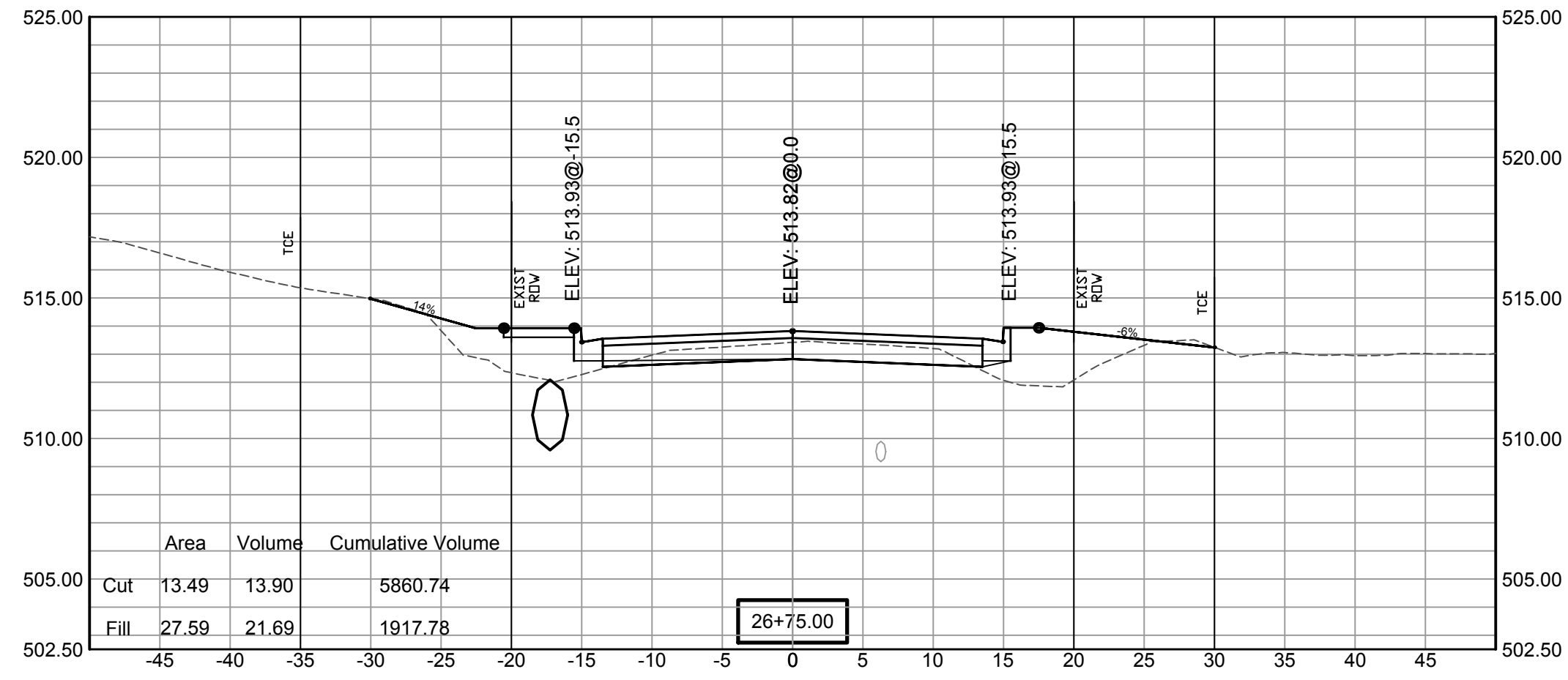
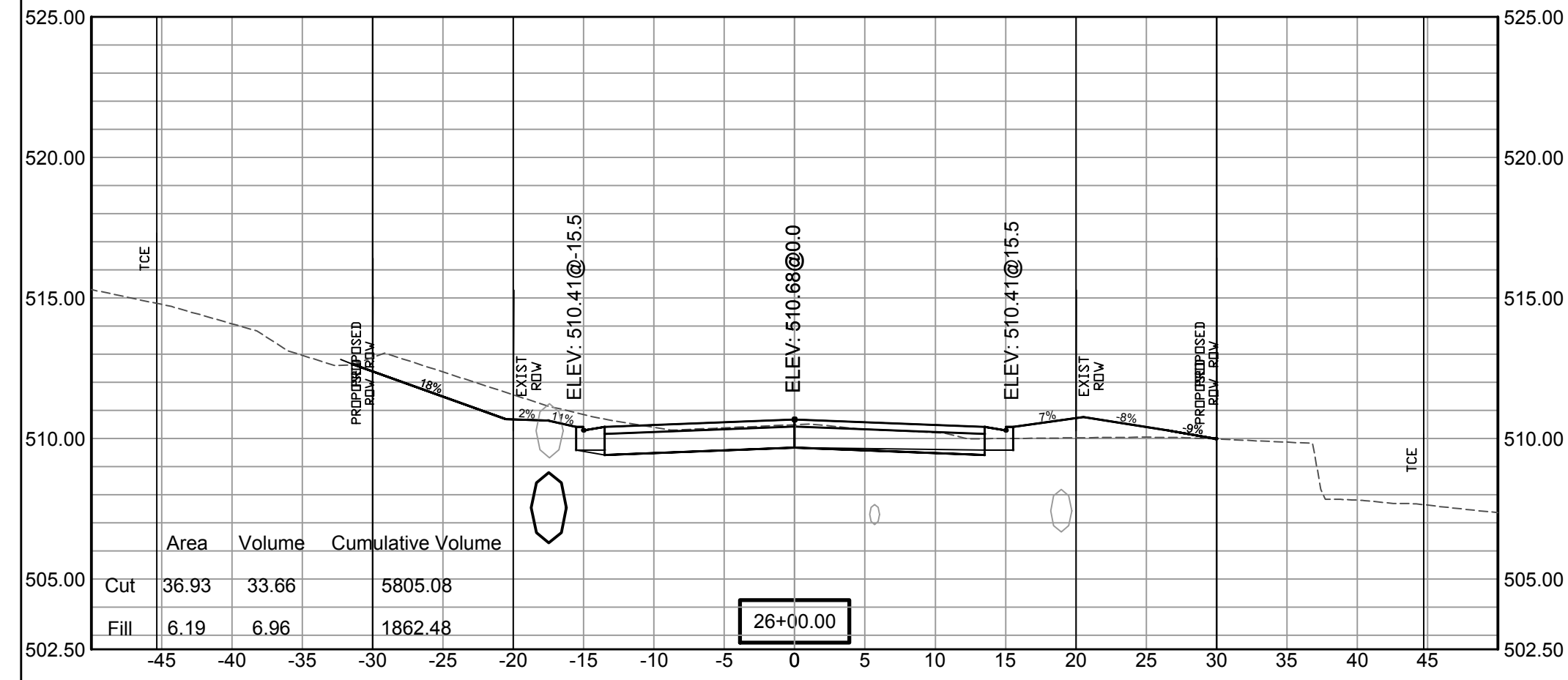
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C-38



SCALE:
1" = 5'V
1" = 10'H



SCALE:
1" = 5'V
1" = 10'H

REVISIONS DATE

100% SUBMITTAL

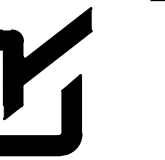
CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

CROSS SECTION 17



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



DRAWN BY

ZR

DESIGNED

RH

CHECKED

RH

DATE

2019-11-19

SCALE

AS NOTED

PROJECT NO.

16-5-ST-15


SHEET NO.

C-39

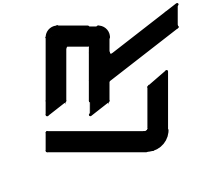
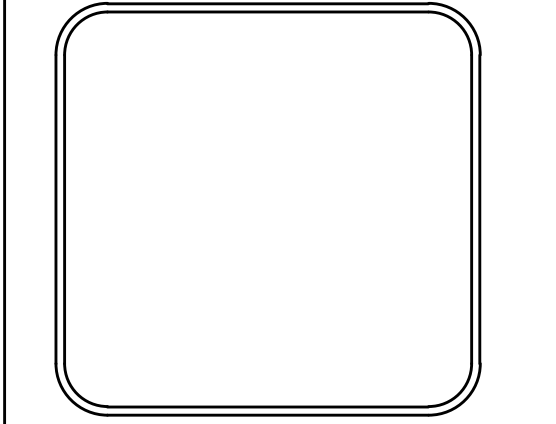
REVISIONS	DATE

100% SUBMITTAL

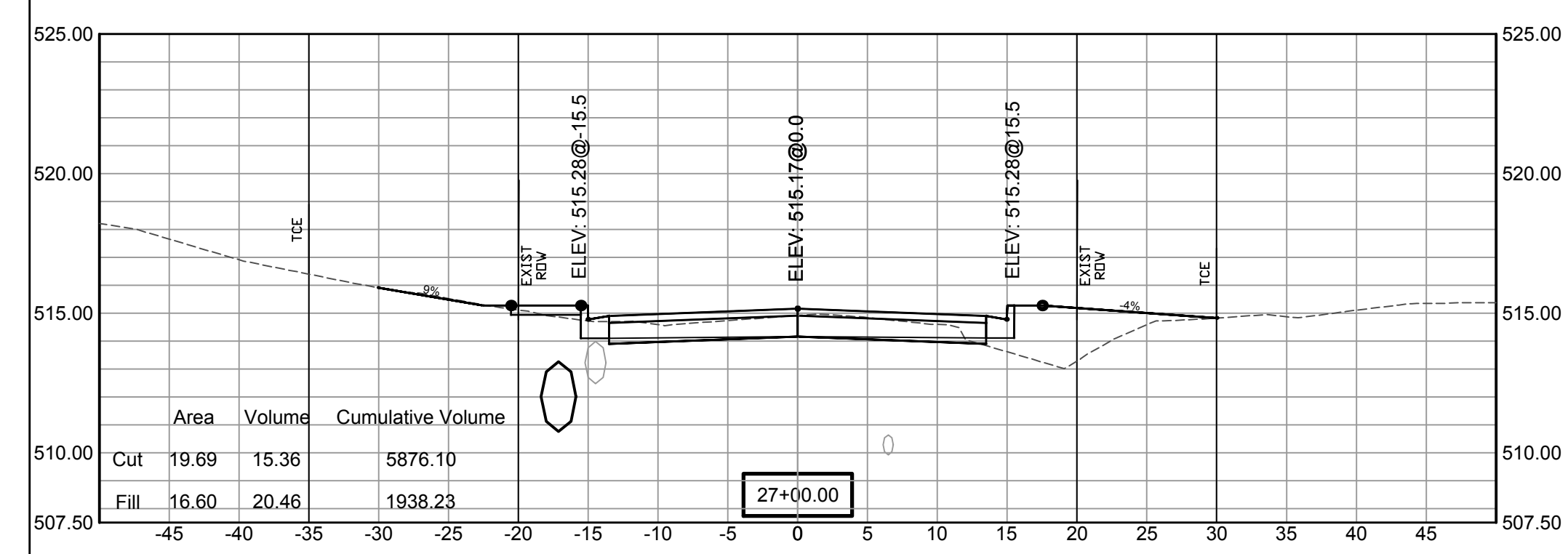
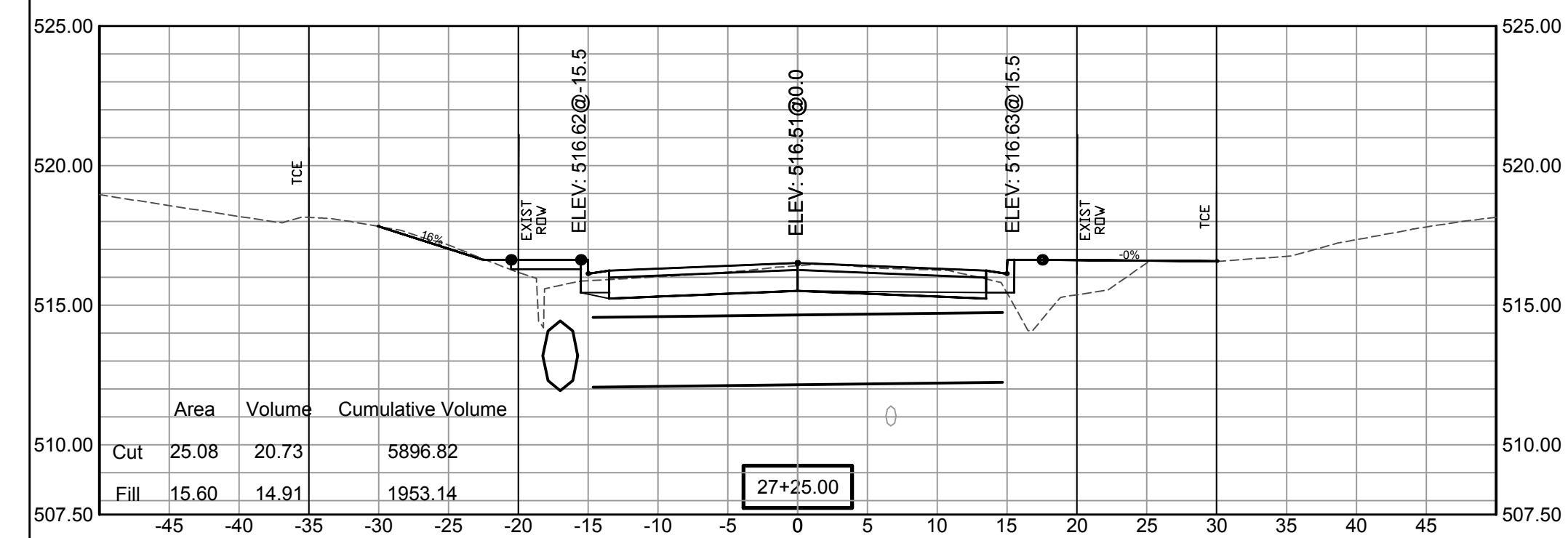
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 18



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

DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C-40



SCALE:
1"= 5'V
1"= 10'H