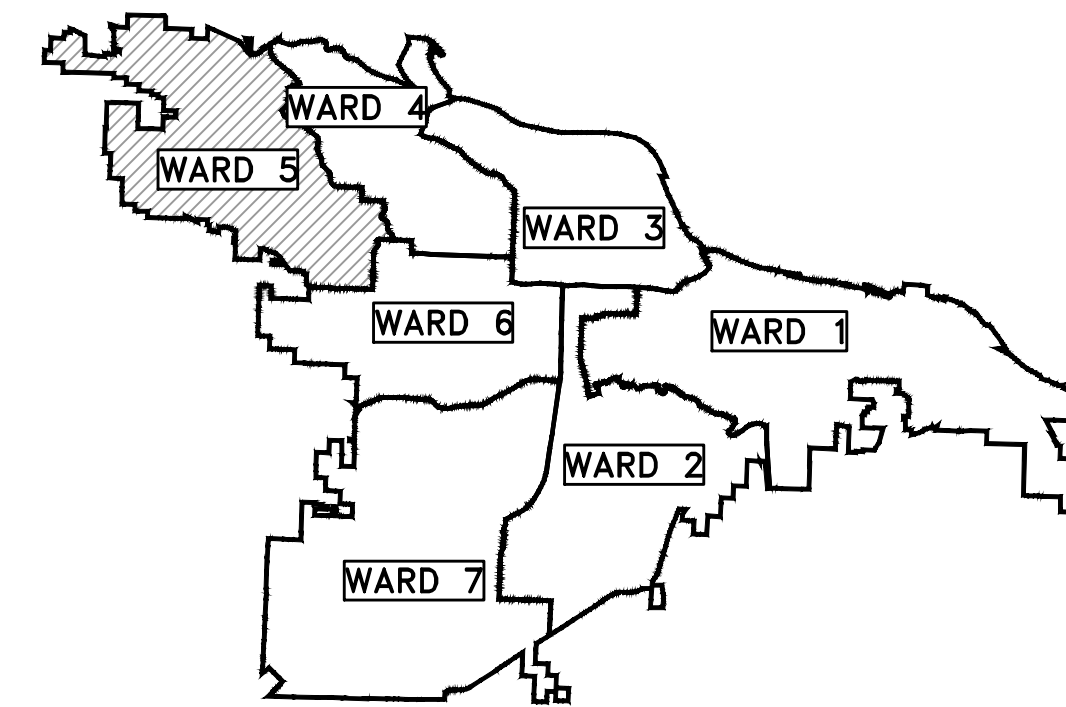
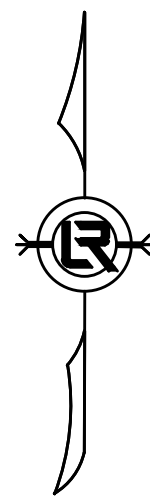


GAMBLE RD

16-5-ST-15

WARD 5

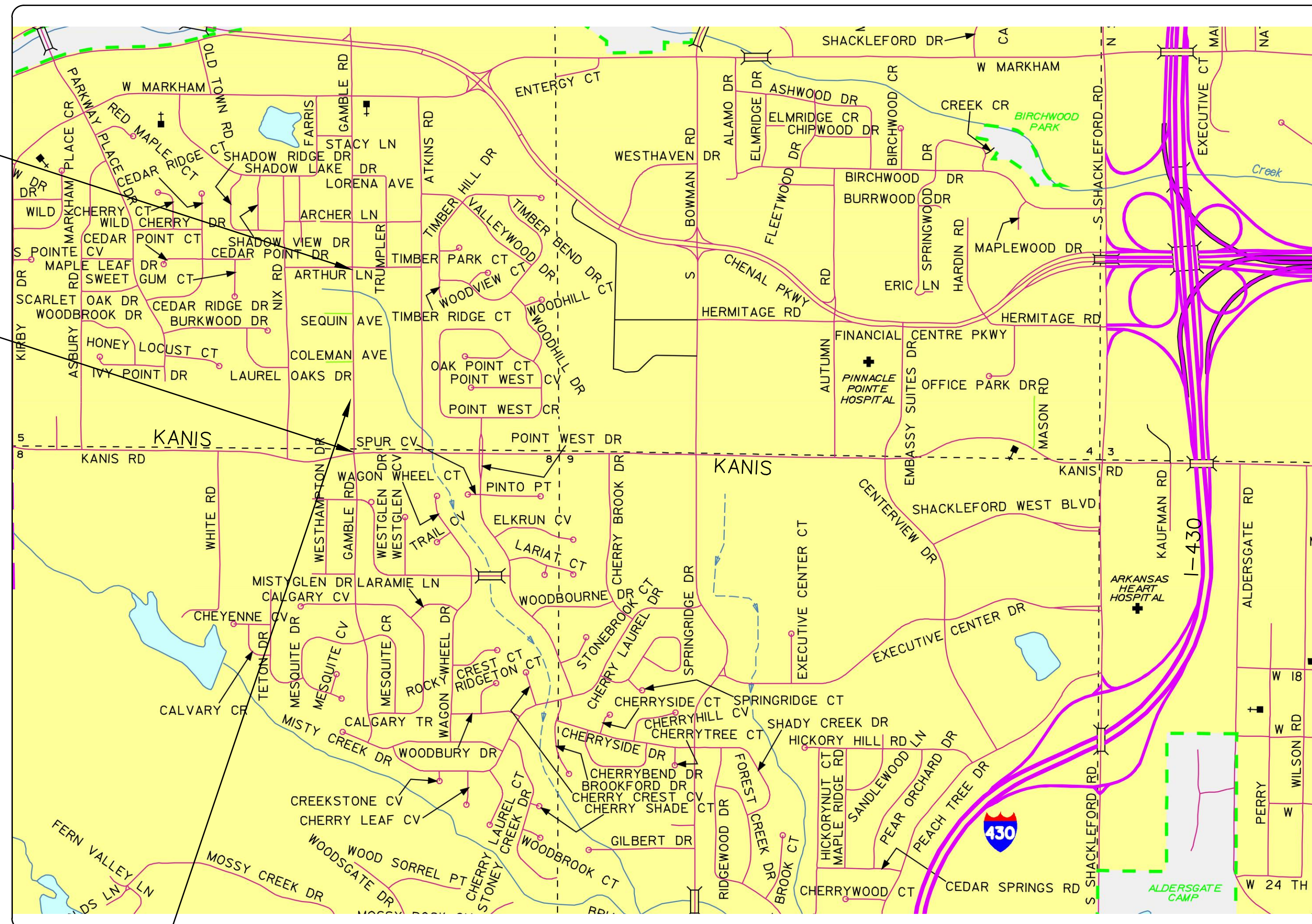
KANIS RD TO ARTHUR LN



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

REVISIONS DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

COVER SHEET

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

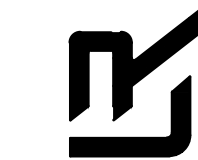


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CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



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RH

DATE

2019-11-19

SCALE

N.T.S.

PROJECT NO.

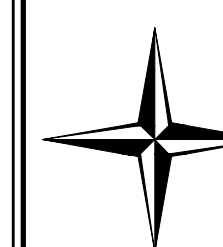
16-5-ST-15

SHEET NO.

C1



Know what's below.
Call before you dig.



CENTRAL ARKANSAS ENGINEERING

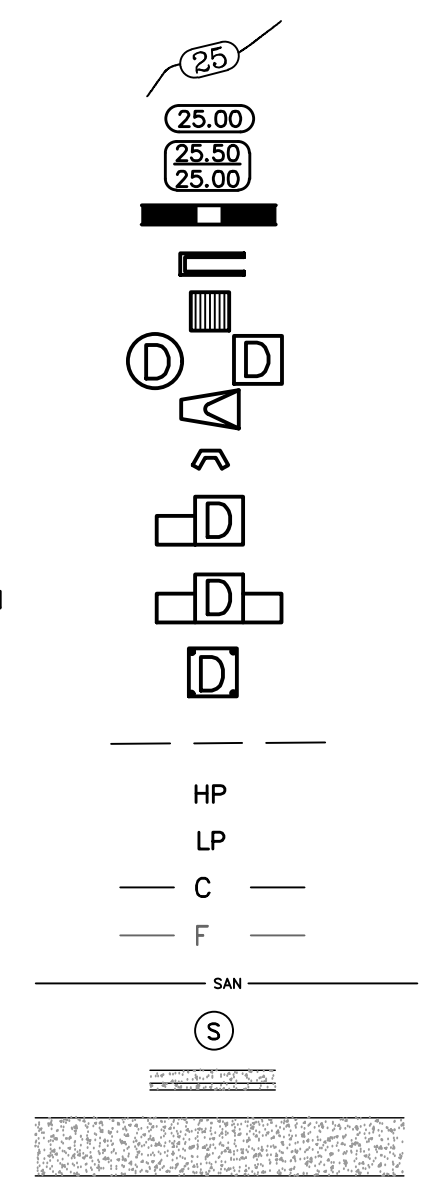
A PROFESSIONAL LIMITED LIABILITY COMPANY

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

CLR PROJECT #16-5-ST-15			
GAMBLE ROAD			
March 11, 2019			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	Site Preparation	L.S.	1
3.01	Unclassified Excavation	C.Y.	5,900
3.02	Compacted Embankment	C.Y.	2,500
3.06	Borrow Material	C.Y.	300
4.01	Aggregate Base Course Class 7	TON	2,420
6.01	Asphalt Surface Course	TON	870
7.04	Concrete Driveway (6" Thick), Standard Finish	S.F.	8,500
8.03	Concrete Curb and Gutter (Class 3)	L.F.	2,635
9.04	Concrete Sidewalk (4" Thick)	S.F.	7,176
9.05	Curb Inlets 4'x4'	EA	9
9.07	Curb Inlets 6'x4'	EA	2
11.25	Segmental Retaining Wall	S.F.	825
13.18C	Storm Drain Pipe 18" Cross Drain	L.F.	71
13.18S	Storm Drain Pipe 18" Side Drain	L.F.	413
13.24C	Storm Drain Pipe 24" Cross Drain	L.F.	34
13.24_	Storm Drain Pipe 24" Side Drain	L.F.	214
13.30C	Storm Drain Pipe 30" Cross Drain	L.F.	35
13.30S	Storm Drain Pipe 30" Side Drain	L.F.	35
14.01	Solid Sodding (Bermuda)	S.Y.	6,500
16.01	Maintenance of Traffic	L.S.	1
18.50	Access Ramp	S.F.	1,200
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
32.36	Flared End Section 36"	E.A.	2
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	⊕
TELEPHONE MANHOLE	⊕
ELECTRIC MANHOLE	⊕
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	— X — X —
OVERHEAD UTILITY	— OHP — OHP —
UNDERGROUND TELEPHONE	— UGT — UGT — UGT —
UNDERGROUND ELECTRIC	— UGE — UGE — UGE —
WATER LINE	— 8"W — 8"W — 8"W —
SEWER LINE	— SAN —
GAS LINE	— GAS — GAS — GAS —
STORM SEWER/CULVERT	— 24" CMP/RCP/DIP —
CONTOUR LINE	— 650 —



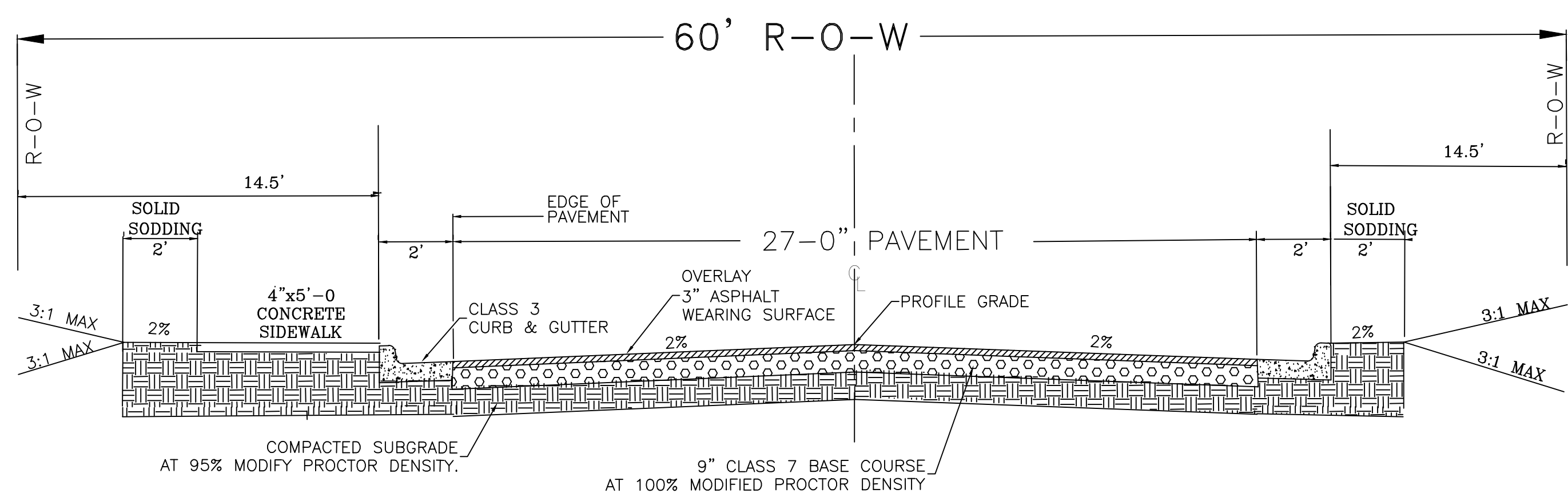
REVISIONS	DATE

100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
LEGEND

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 CIVIL ENGINEERING
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 LITTLE ROCK, ARKANSAS 72201

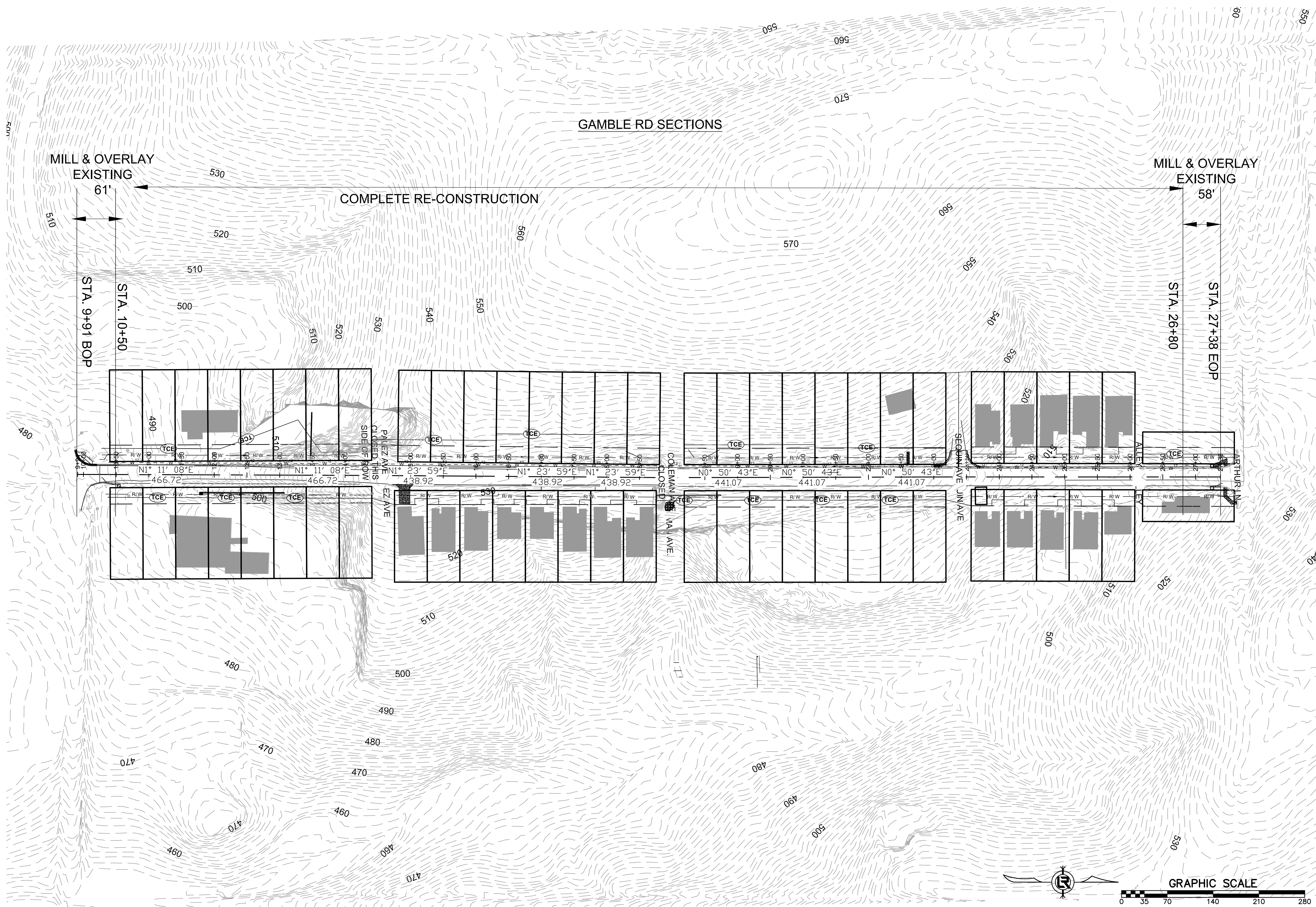
TYP SECTION STA 13+12 TO STA 17+75



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.

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

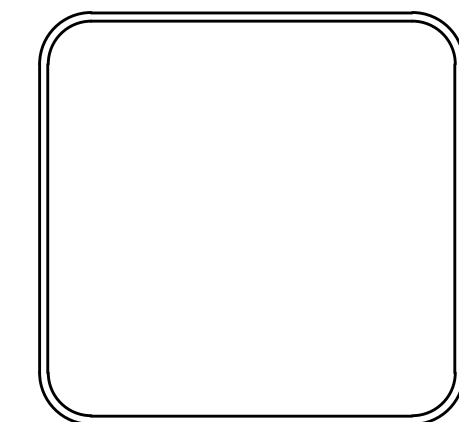


REVISIONS	DATE

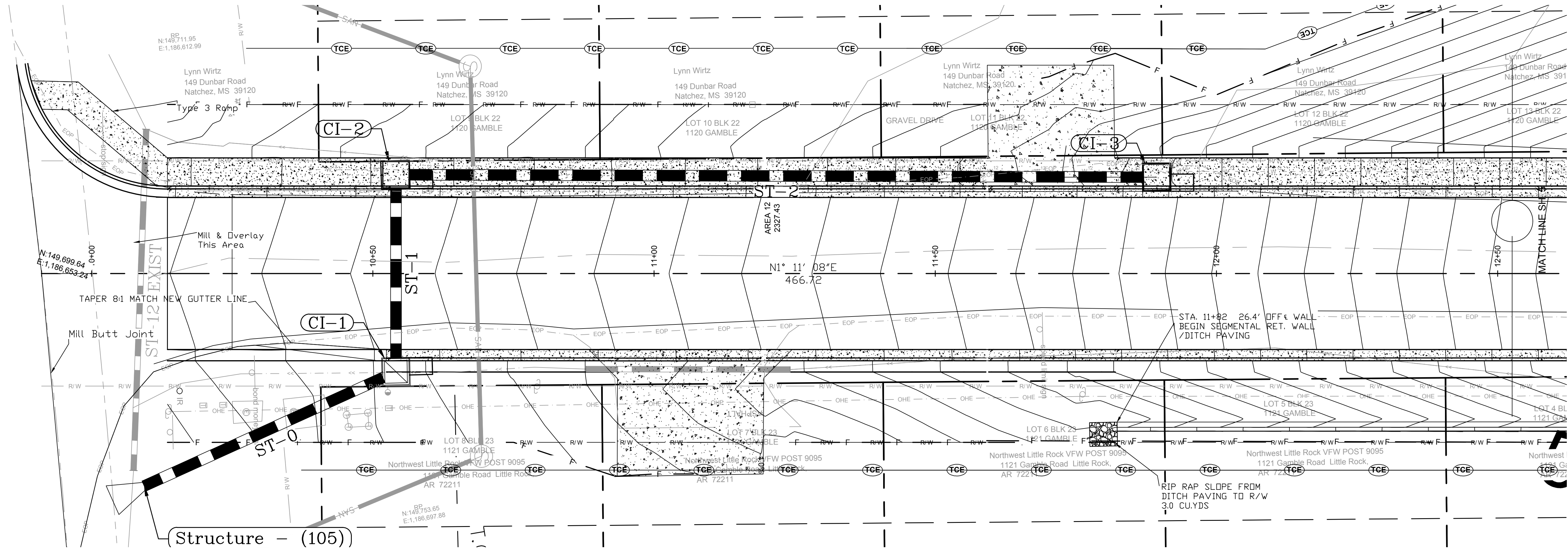
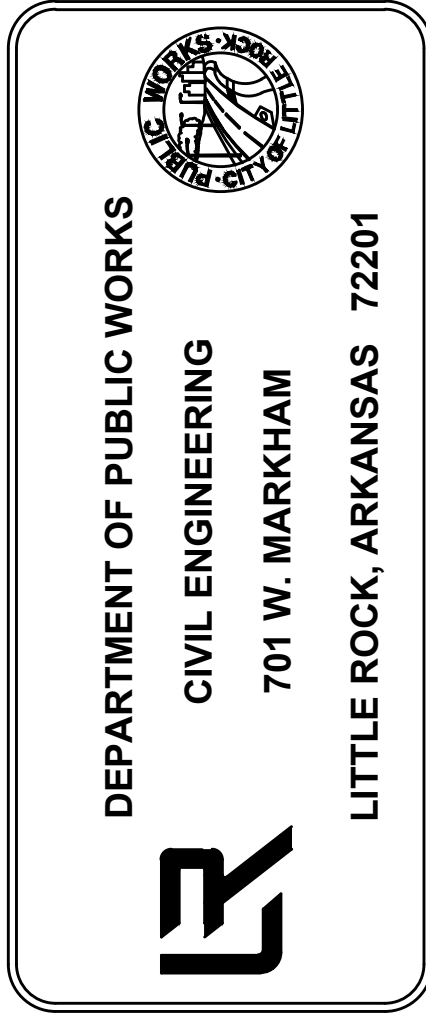
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 CONSTRUCTION SECTIONS

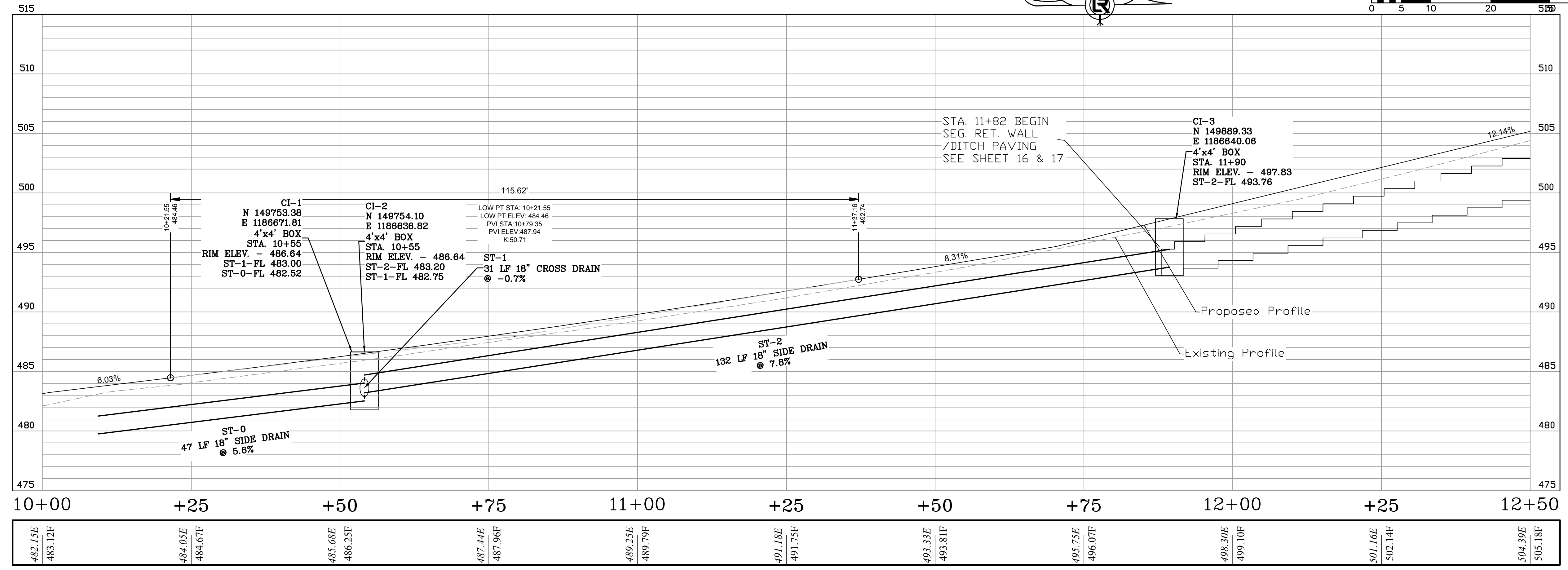
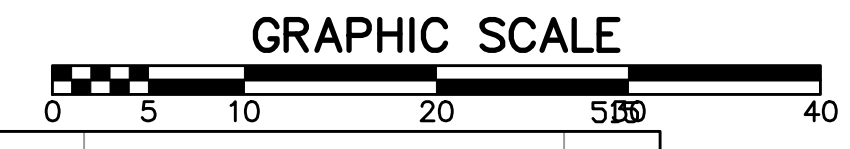
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DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C3

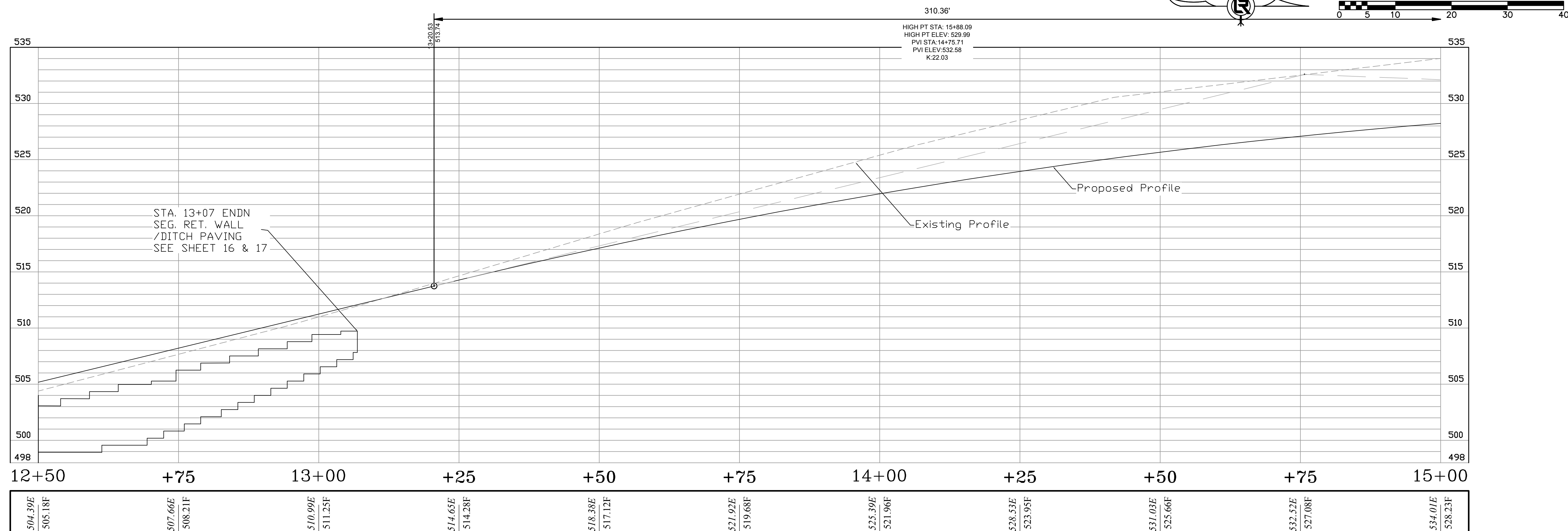
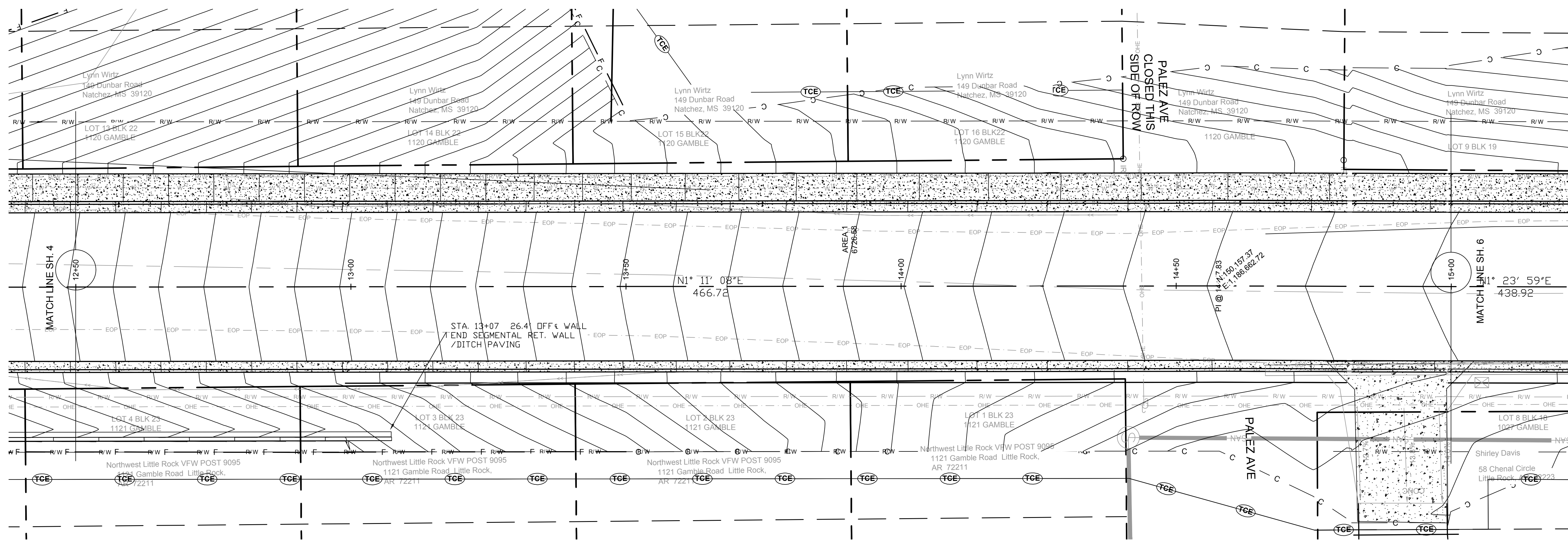


Structure - (105)



GAMBLE ROAD

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DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE H: 1"=10' V: 1"=5'
PROJECT NO. 16-5-ST-15
SHEET NO. C4



GAMBLE ROAD

REVISIONS	DATE

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GAMBLE RD

PLAN - PROFILE

STA. 12+50 TO STA. 15+00

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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

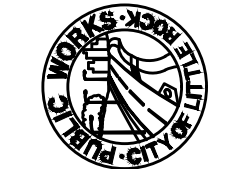
REVISIONS DATE

100% SUBMITTAL

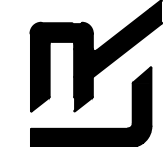
CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

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



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LITTLE ROCK, ARKANSAS 72201



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ZR

DESIGNED
RH

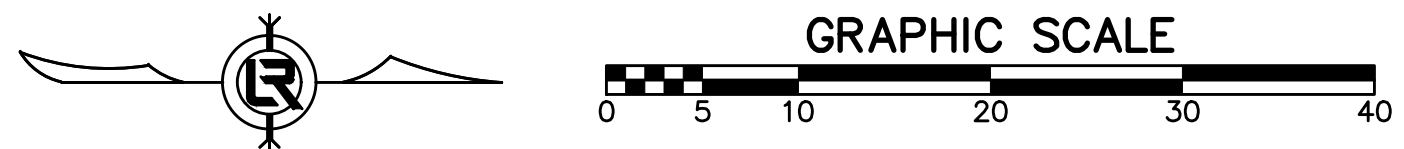
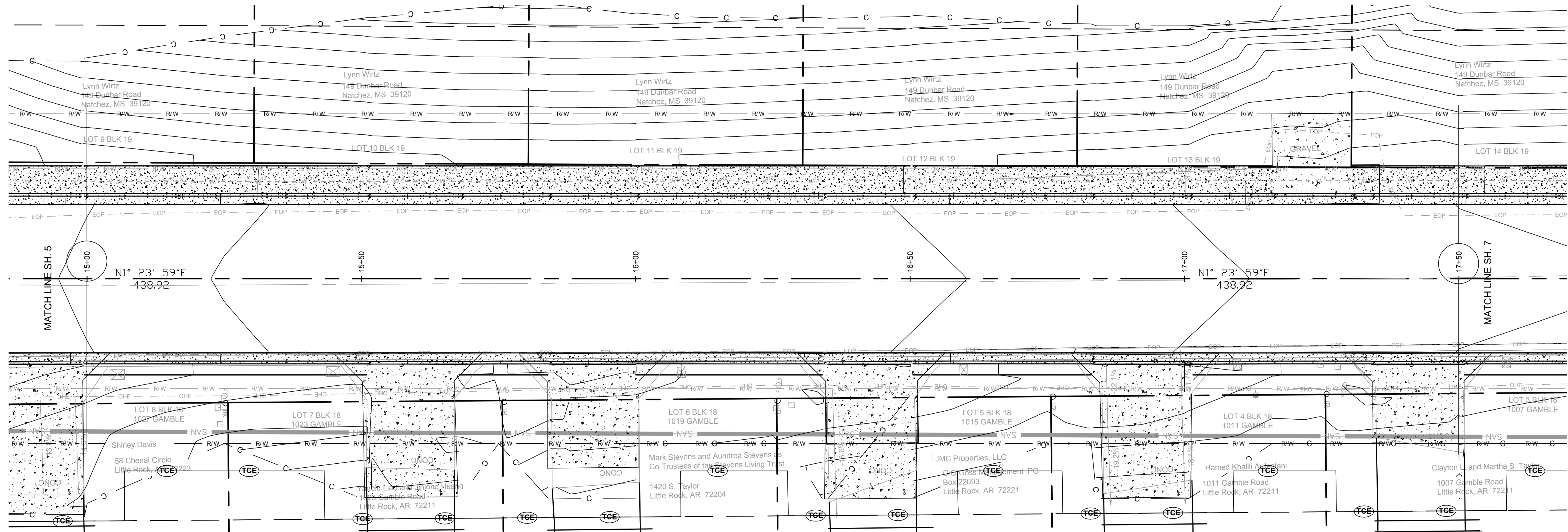
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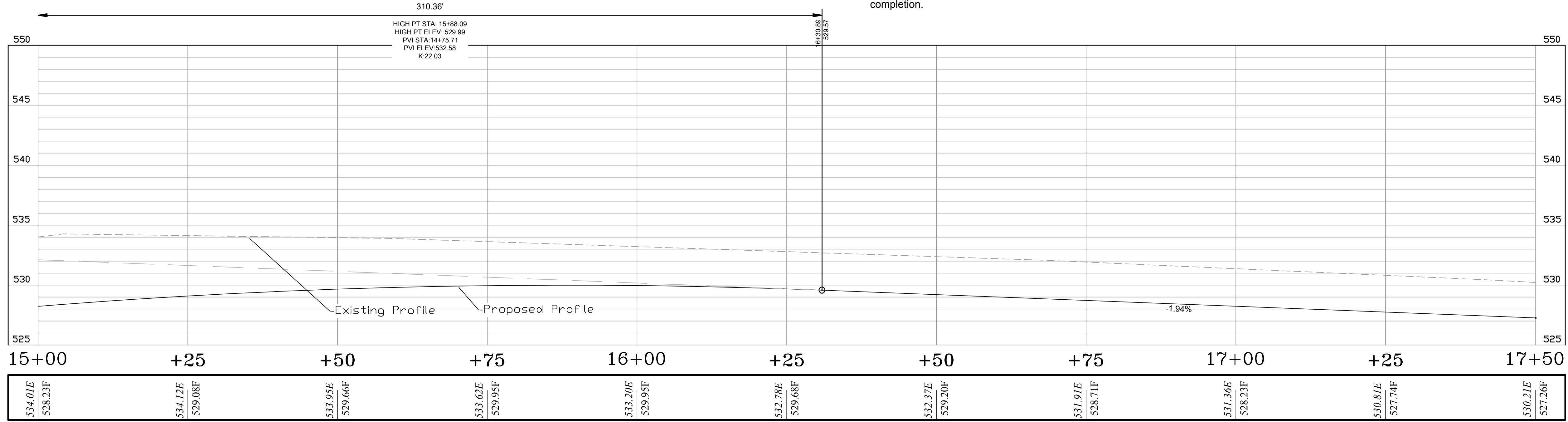
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PROJECT NO.
19-11-36

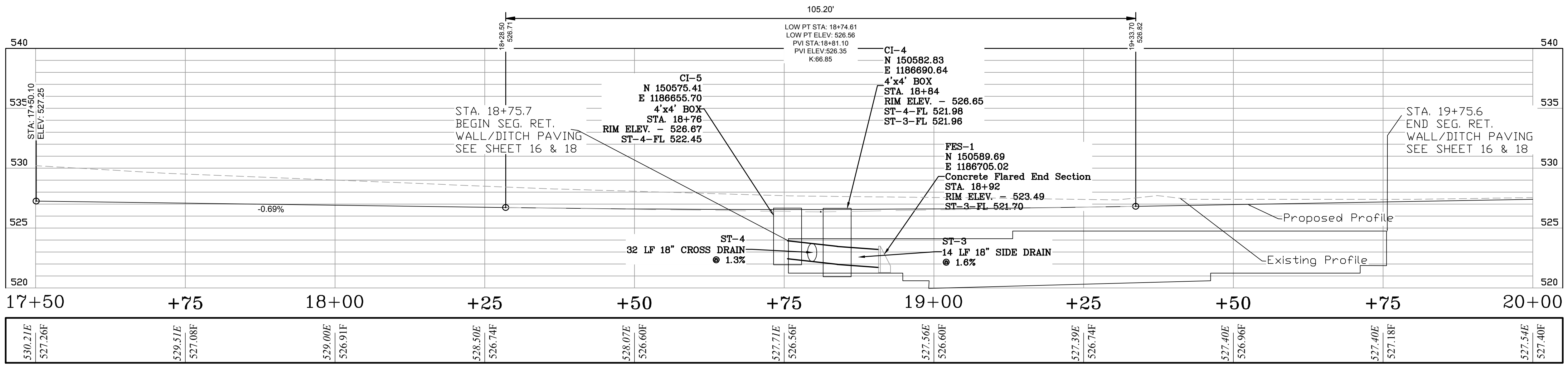
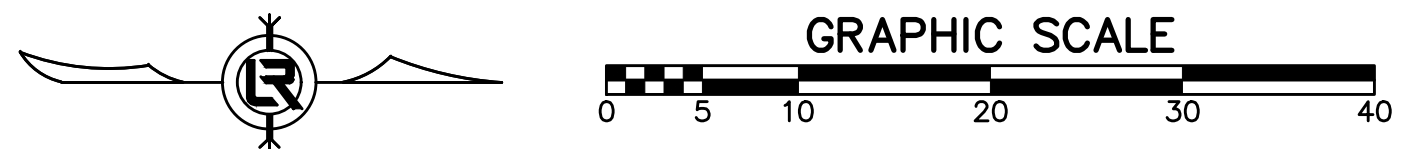
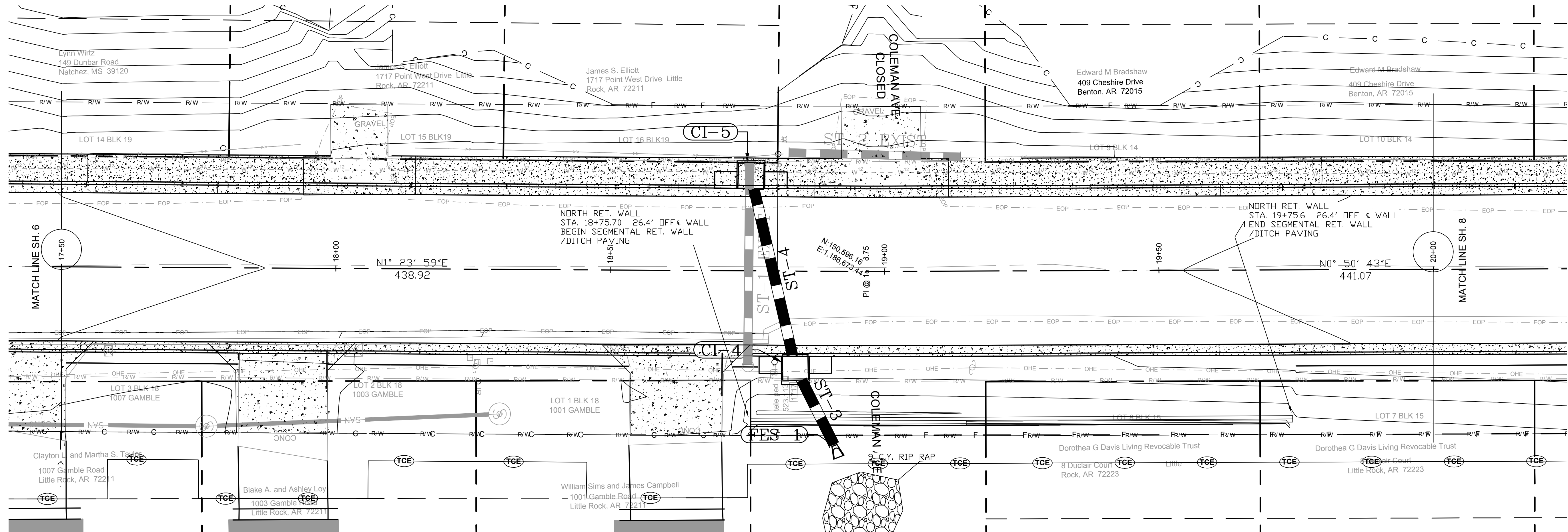
SHEET NO.
C6



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



GAMBLE ROAD

REVISIONS DATE

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GAMBLE RD

PLAN - PROFILE

STA. 17+50 TO STA. 20+00

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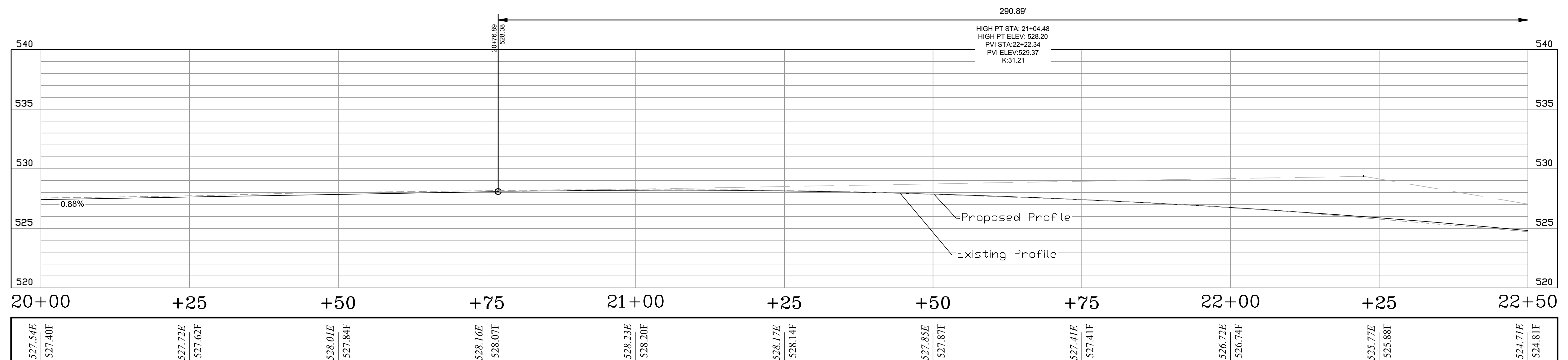
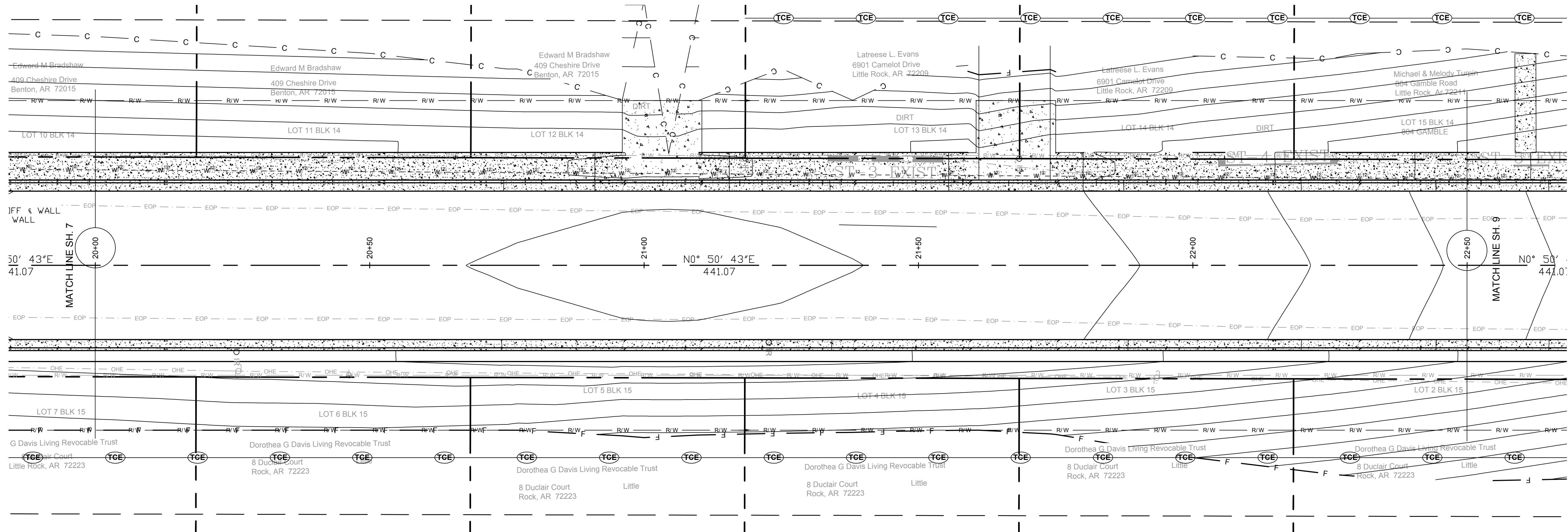
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DATE
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SCALE
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PROJECT NO.
16-5-ST-15

SHEET NO.
C7



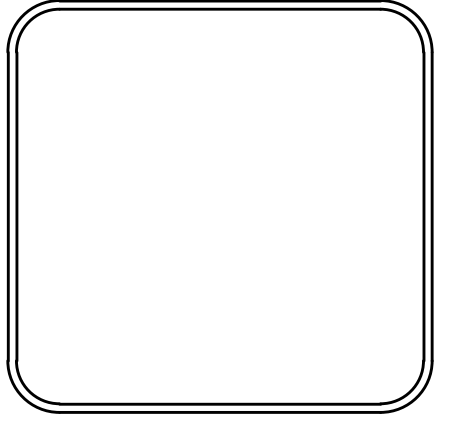
GAMBLE ROAD

REVISIONS	DATE

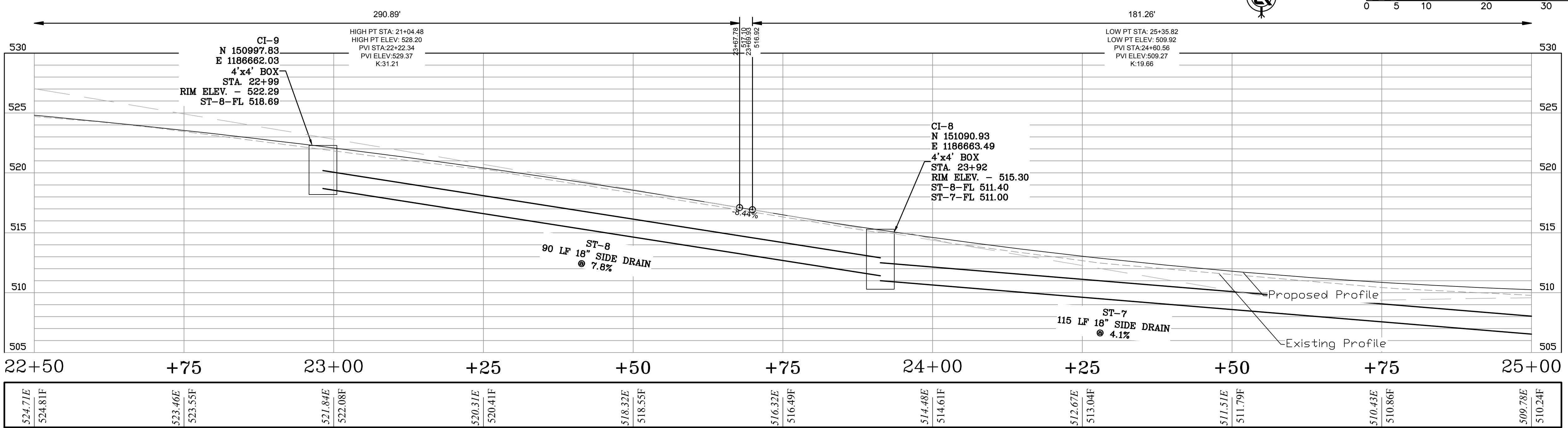
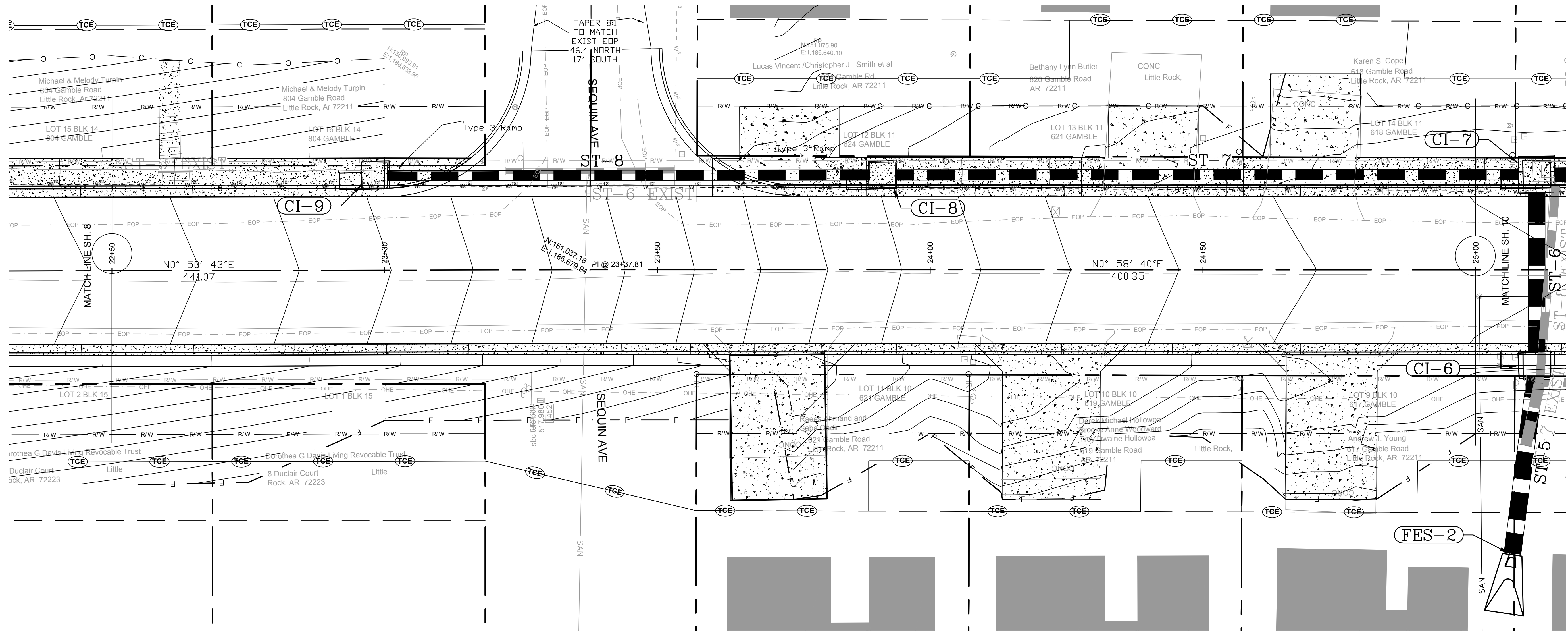
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CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
PLAN - PROFILE
STA. 20+00 TO STA. 22+50

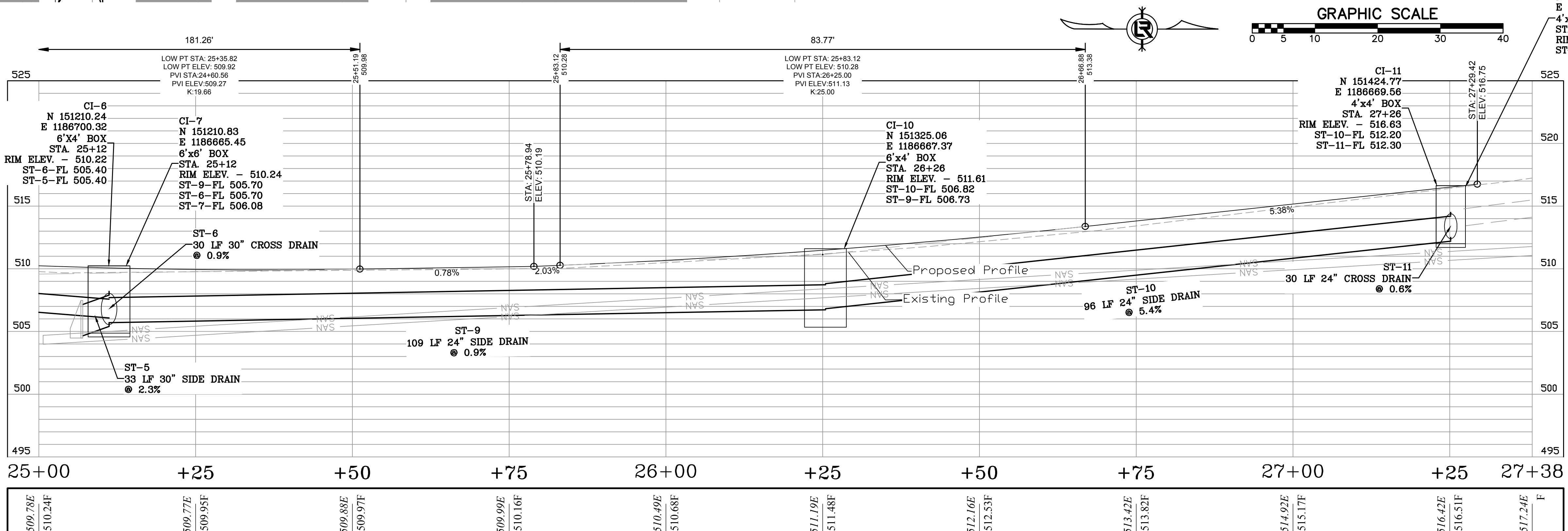
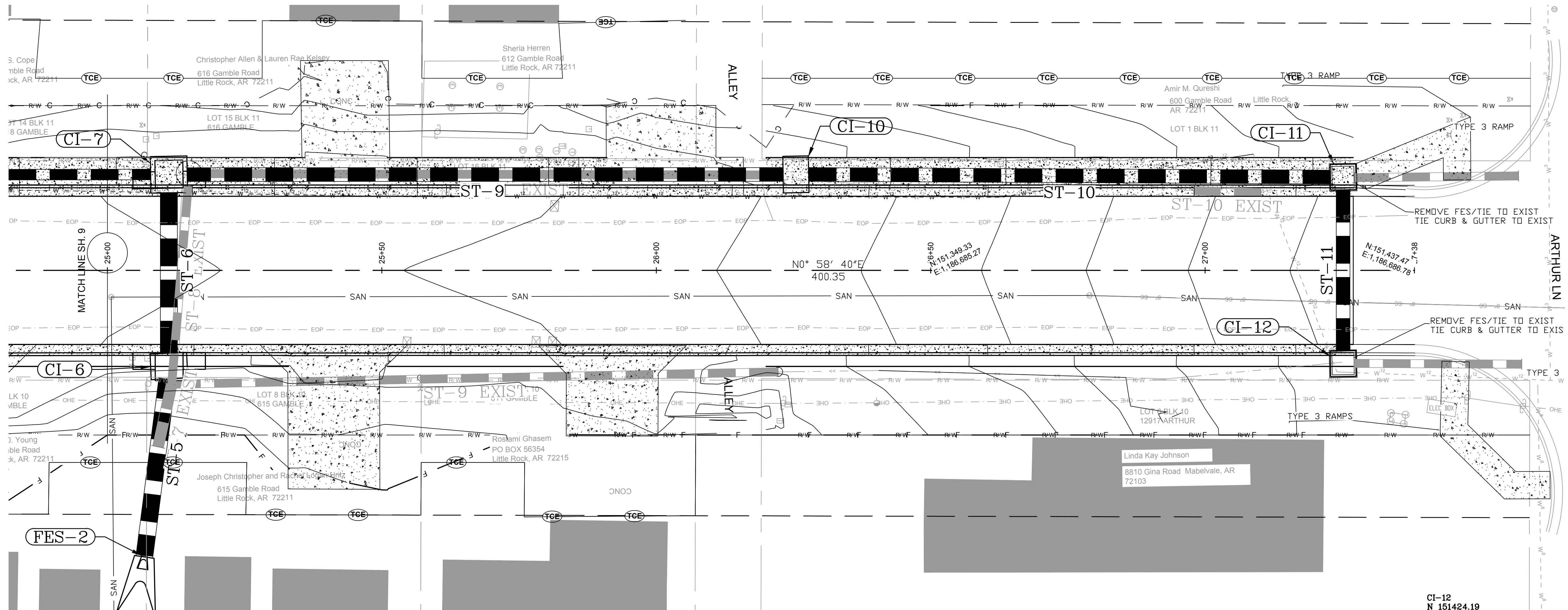
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DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE H: 1"=10' V: 1"=5'
PROJECT NO. 16-5-ST-15
SHEET NO. C8



GAMBLE ROAD



GAMBLE ROAD

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GAMBLE RD

PLAN - PROFILE

STA. 25+00 TO STA. 27+38

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RH

DATE

2019-11-19

SCALE

H: 1"=10'

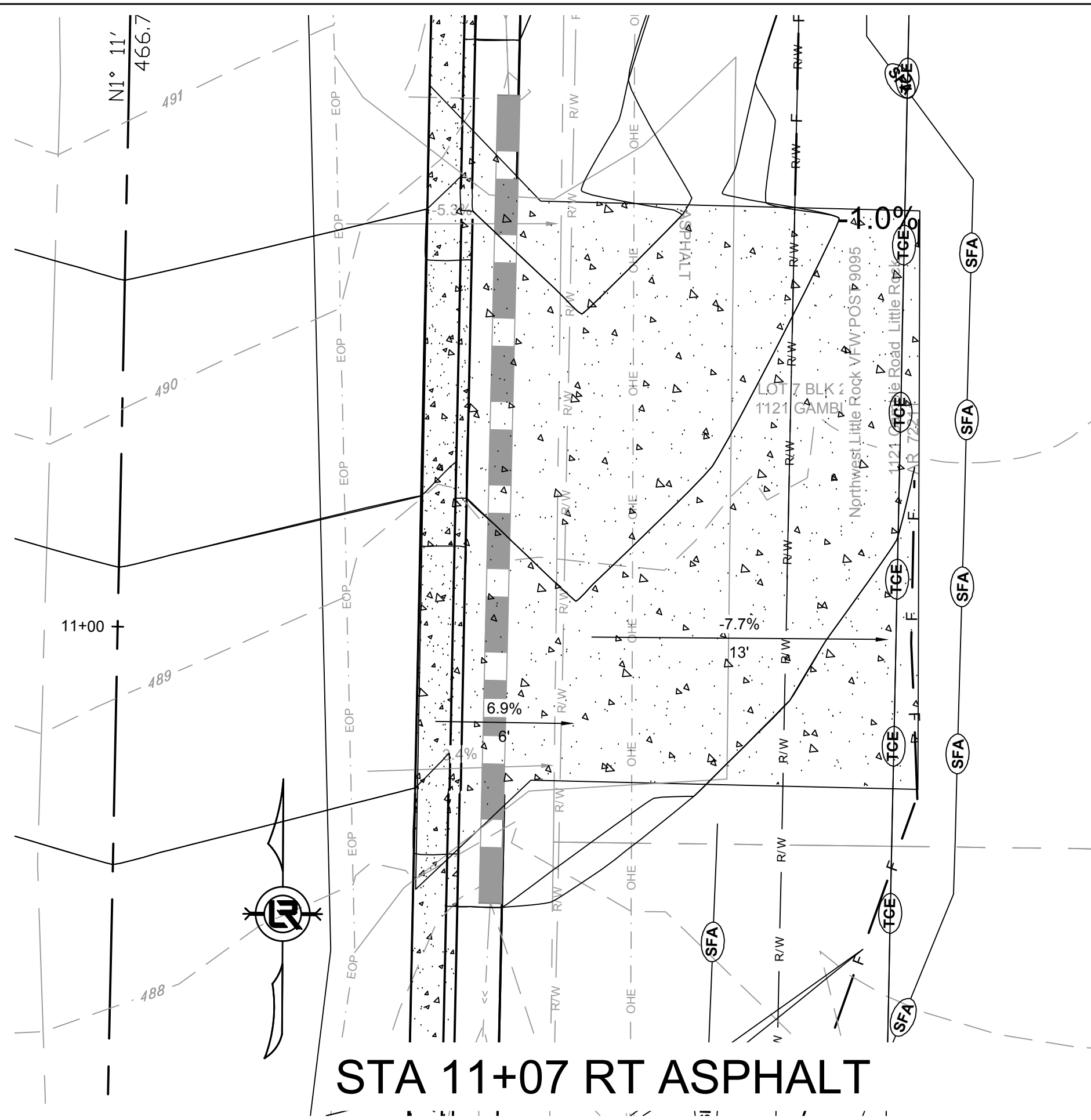
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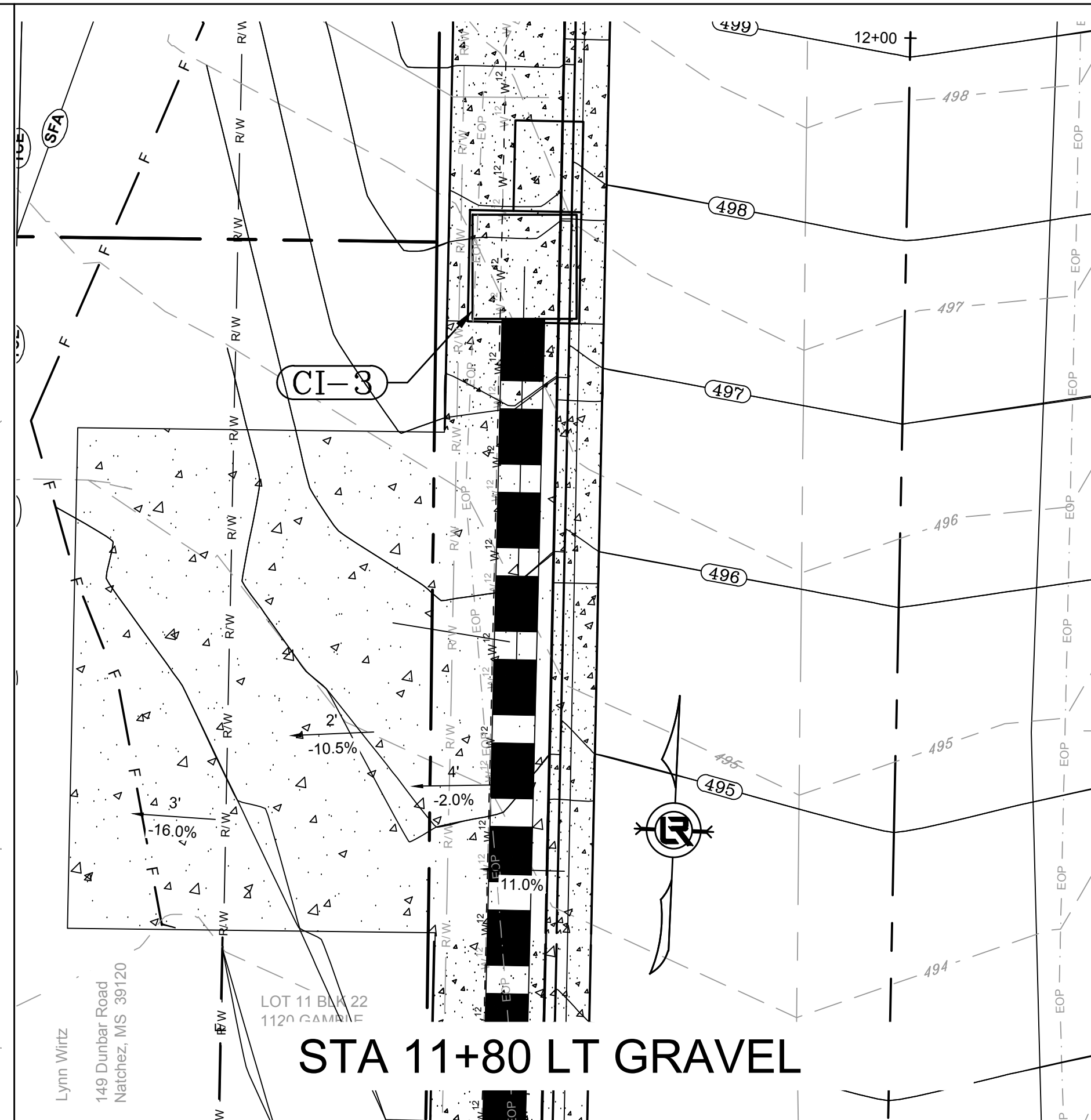
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SHEET NO.

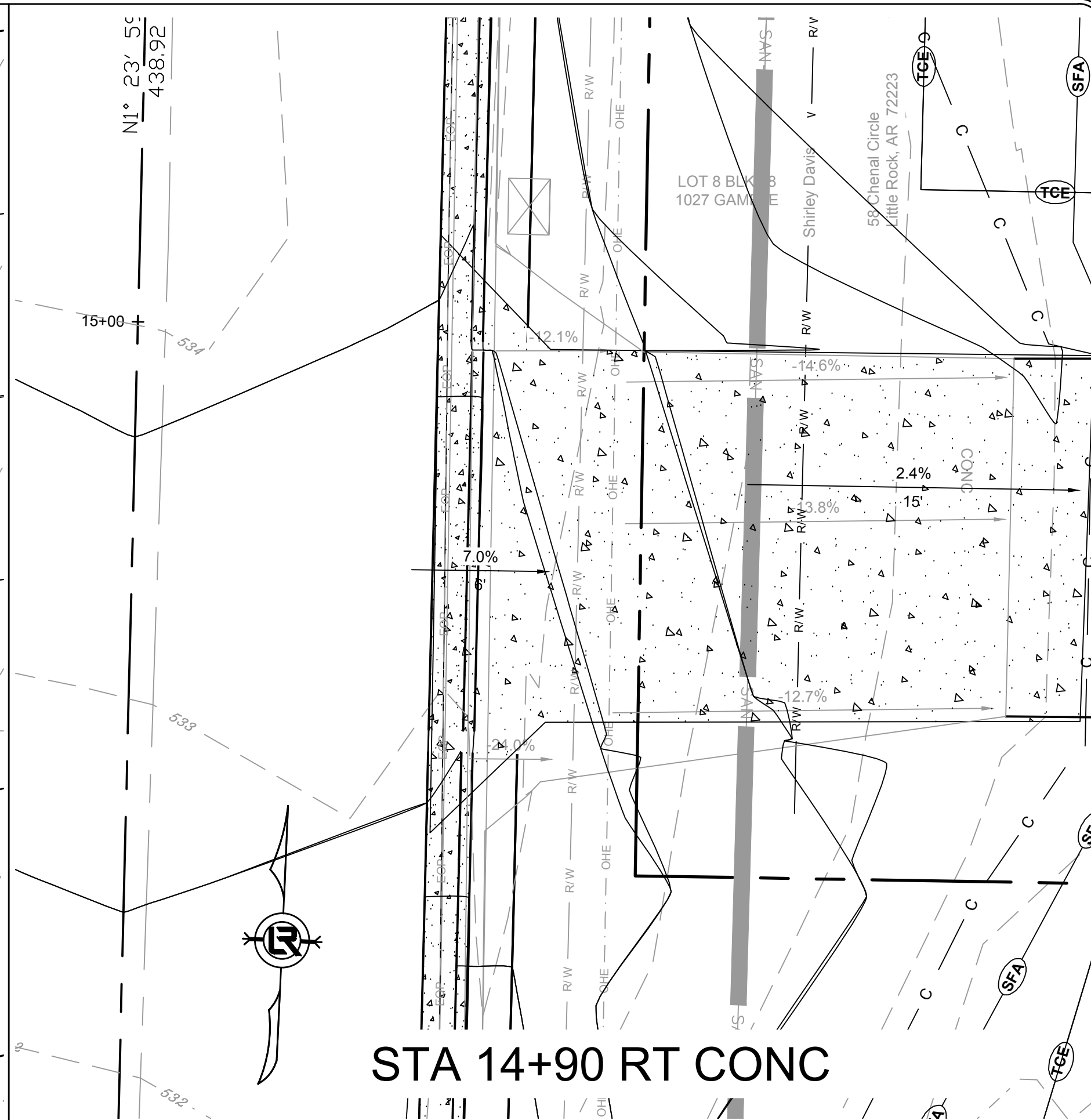
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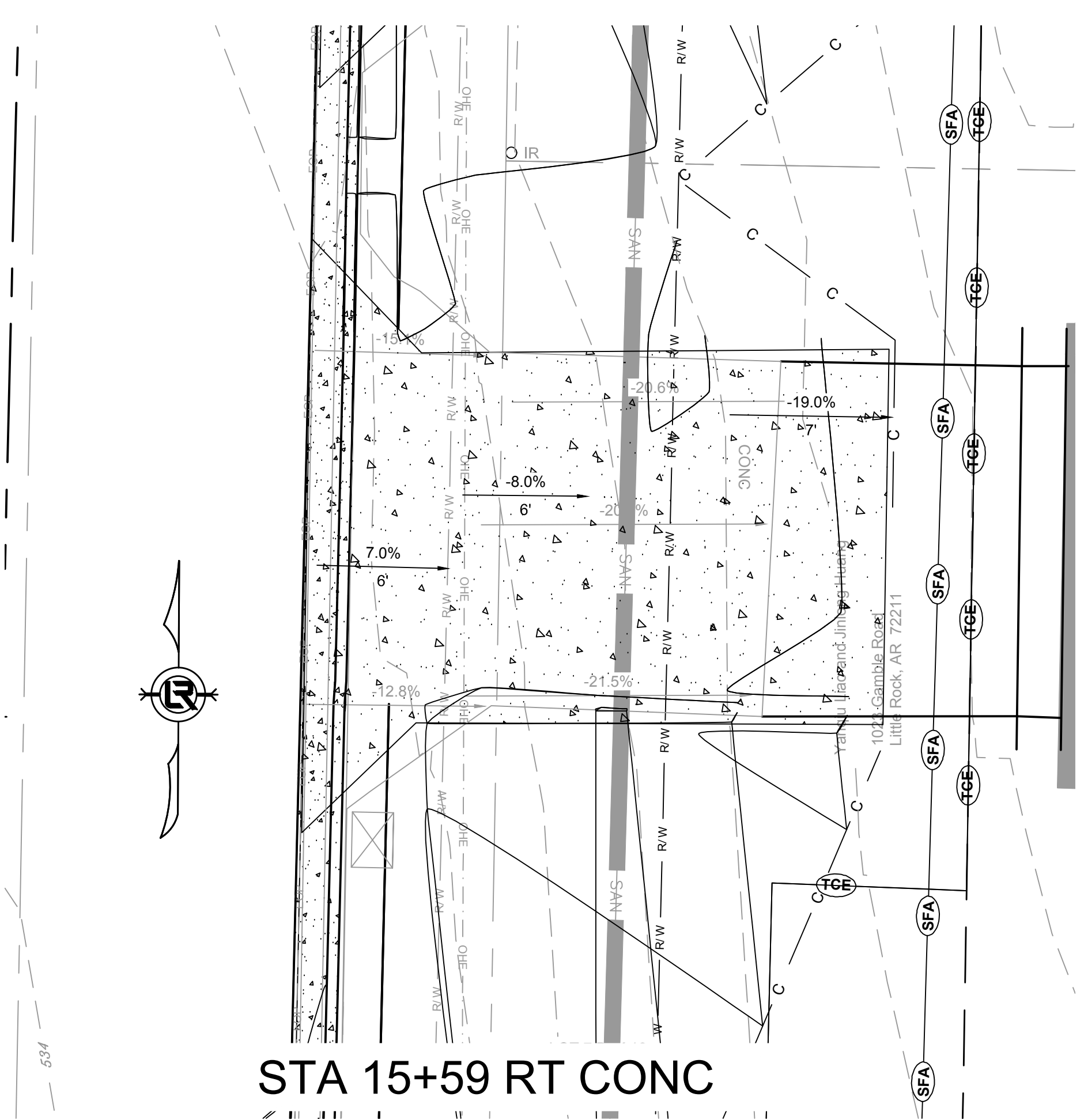
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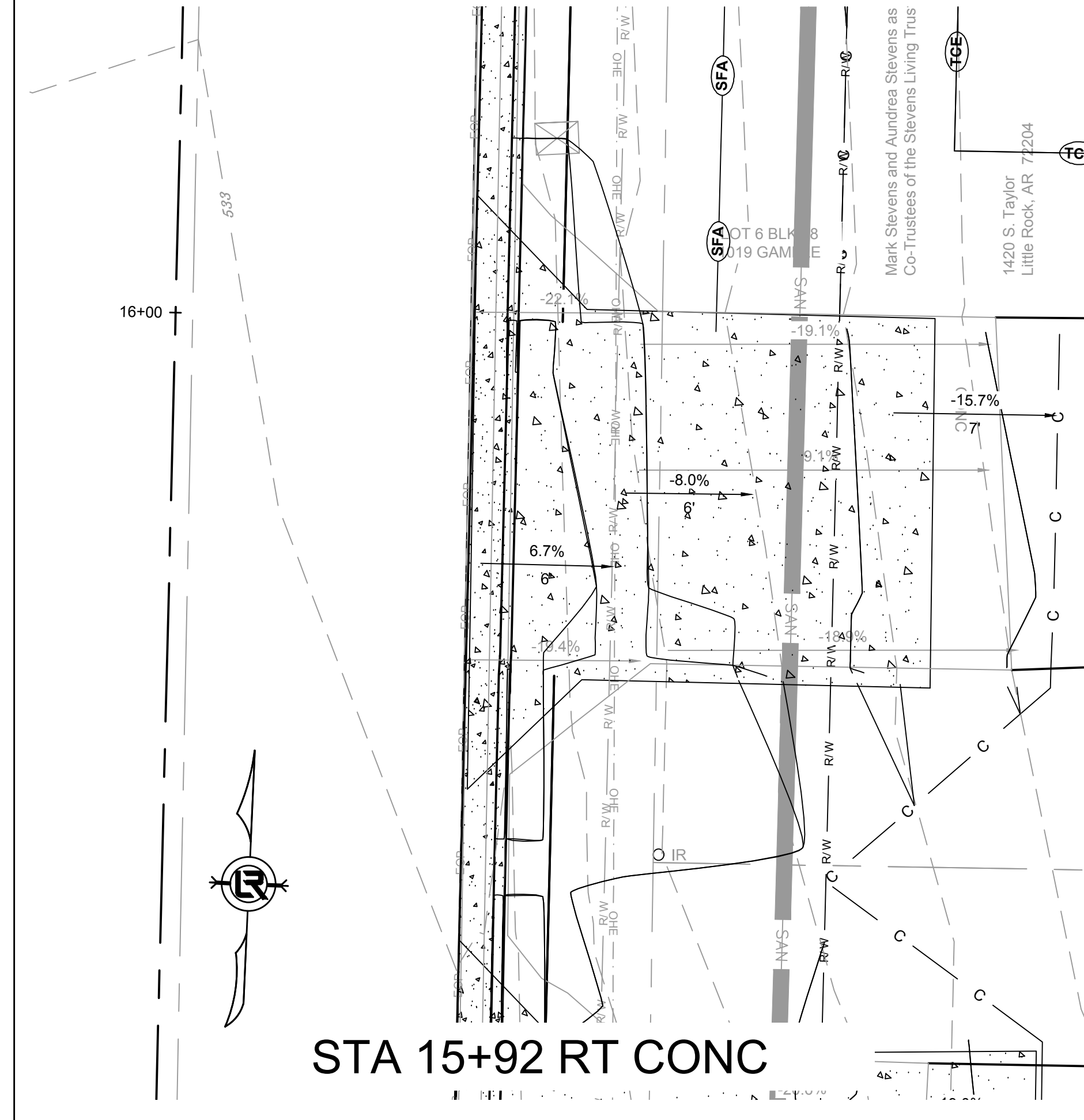
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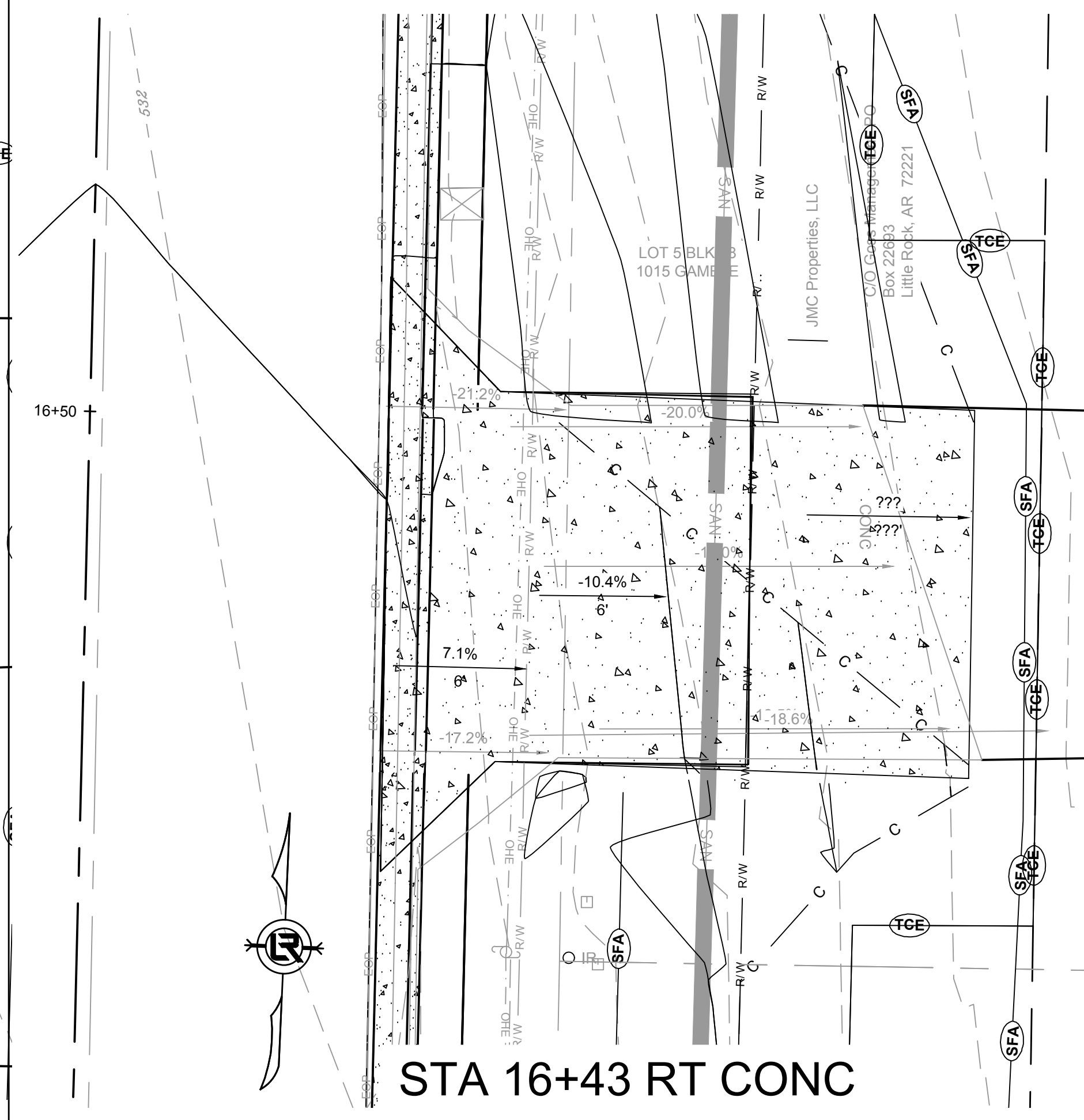
STA 14+90 RT CONC



STA 15+59 RT CONC



STA 15+92 RT CONC



STA 16+43 RT CONC

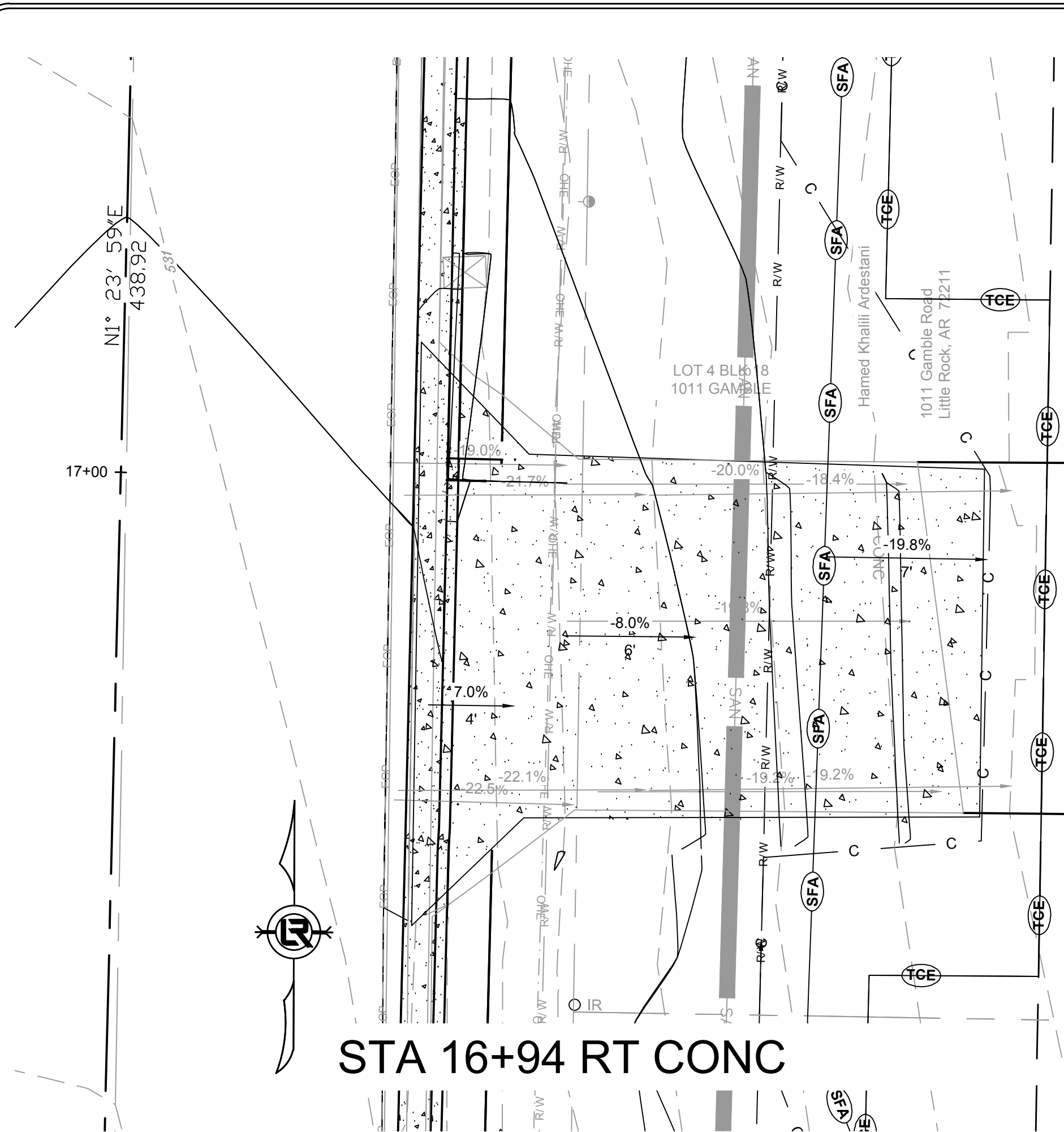
REVISIONS	DATE

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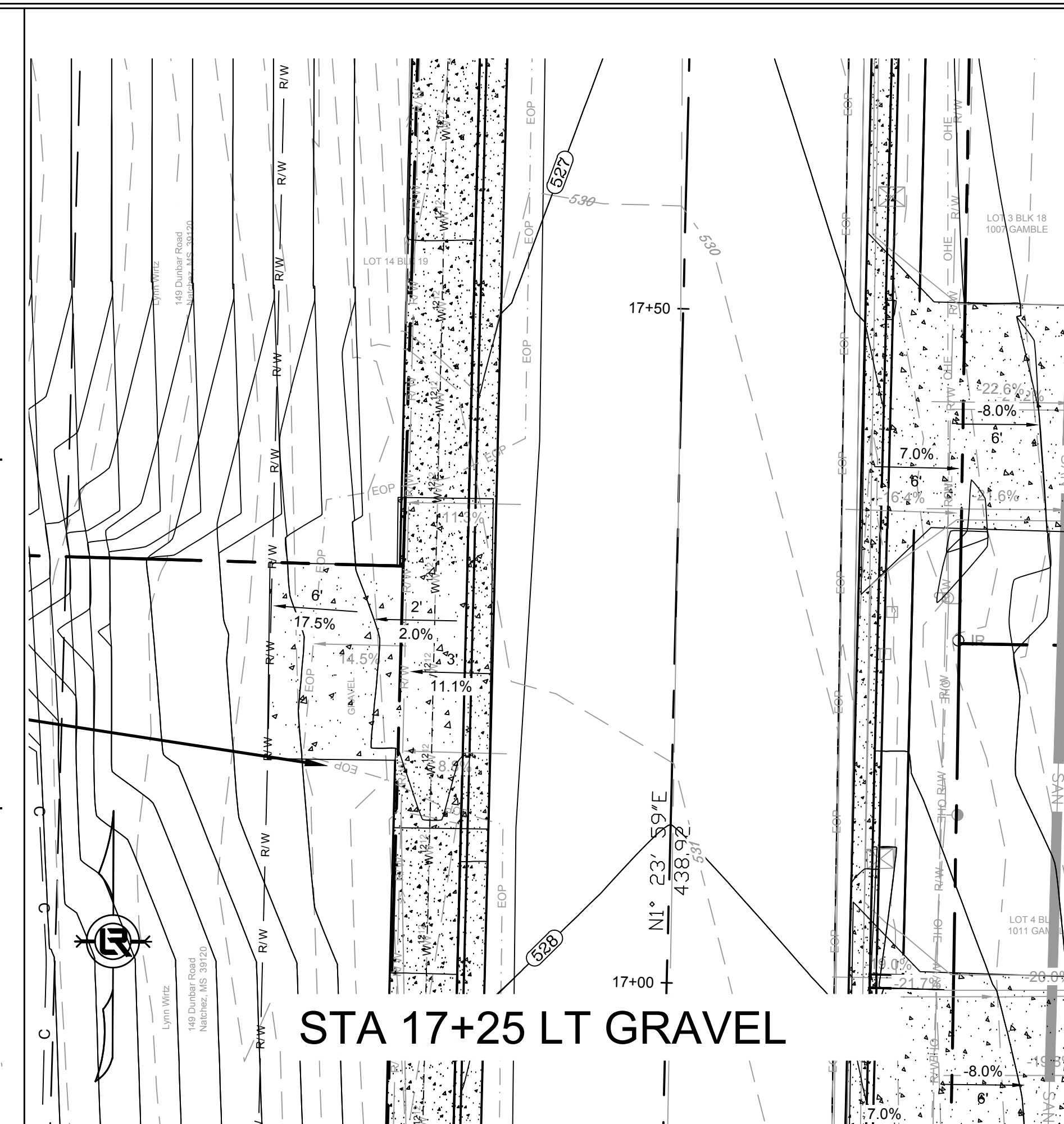
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
 DRIVEWAY PROFILES
DRIVEWAY 1

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

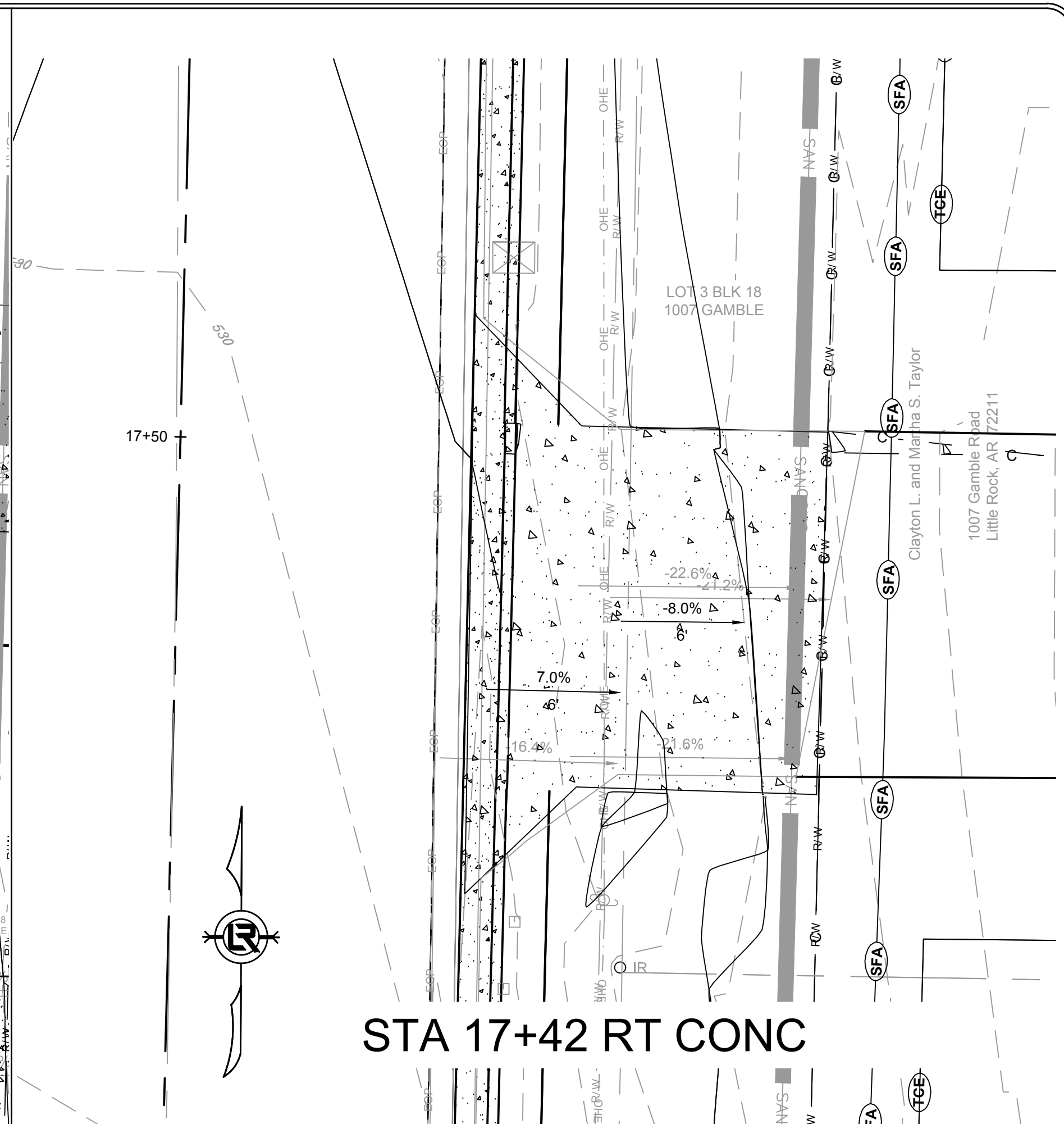
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 ZR
 DESIGNED
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 CHECKED
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 DATE
 2019-11-19
 SCALE
 1" = 5'
 PROJECT NO.
 16-5-ST-15
 SHEET NO.
C11



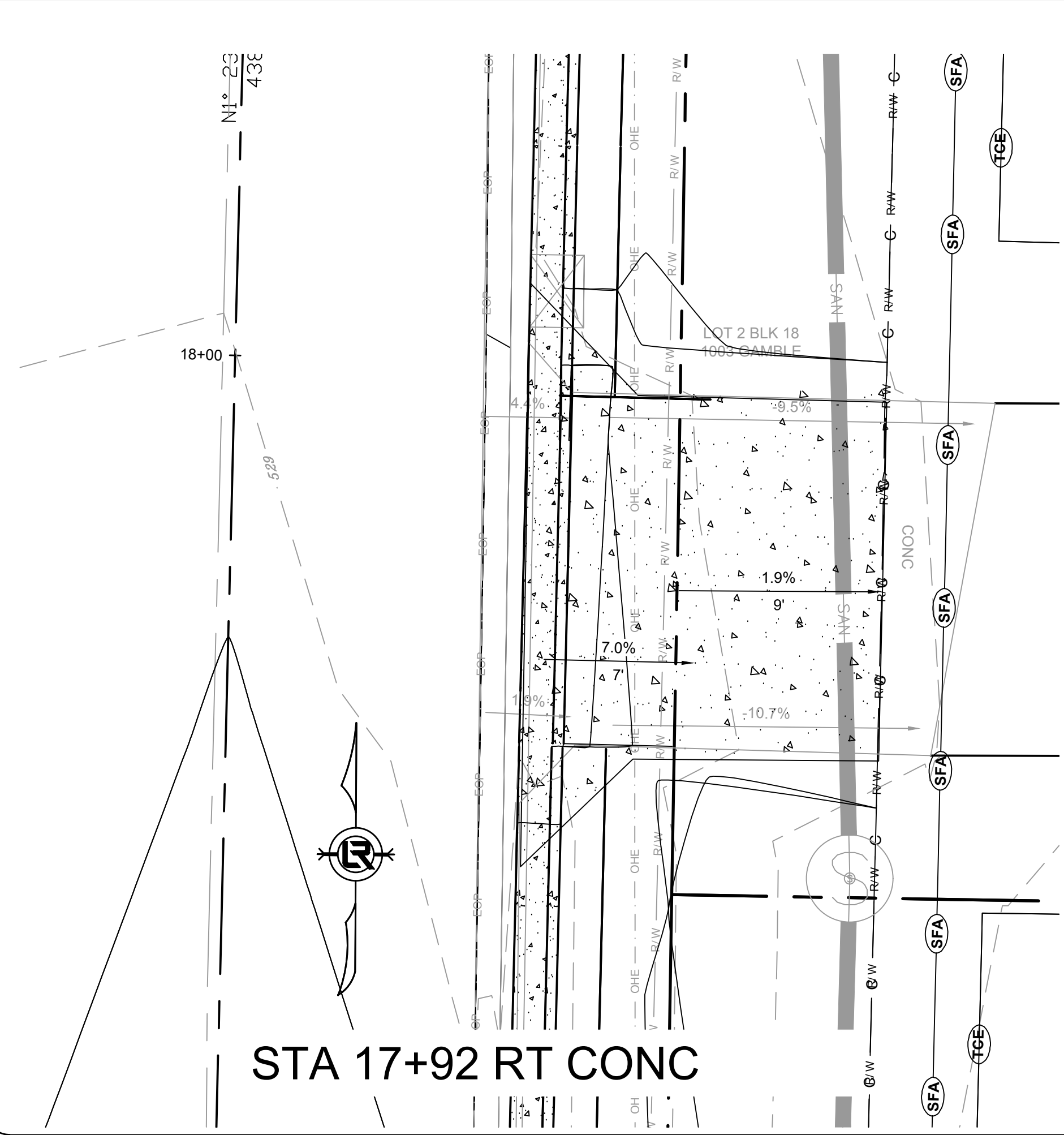
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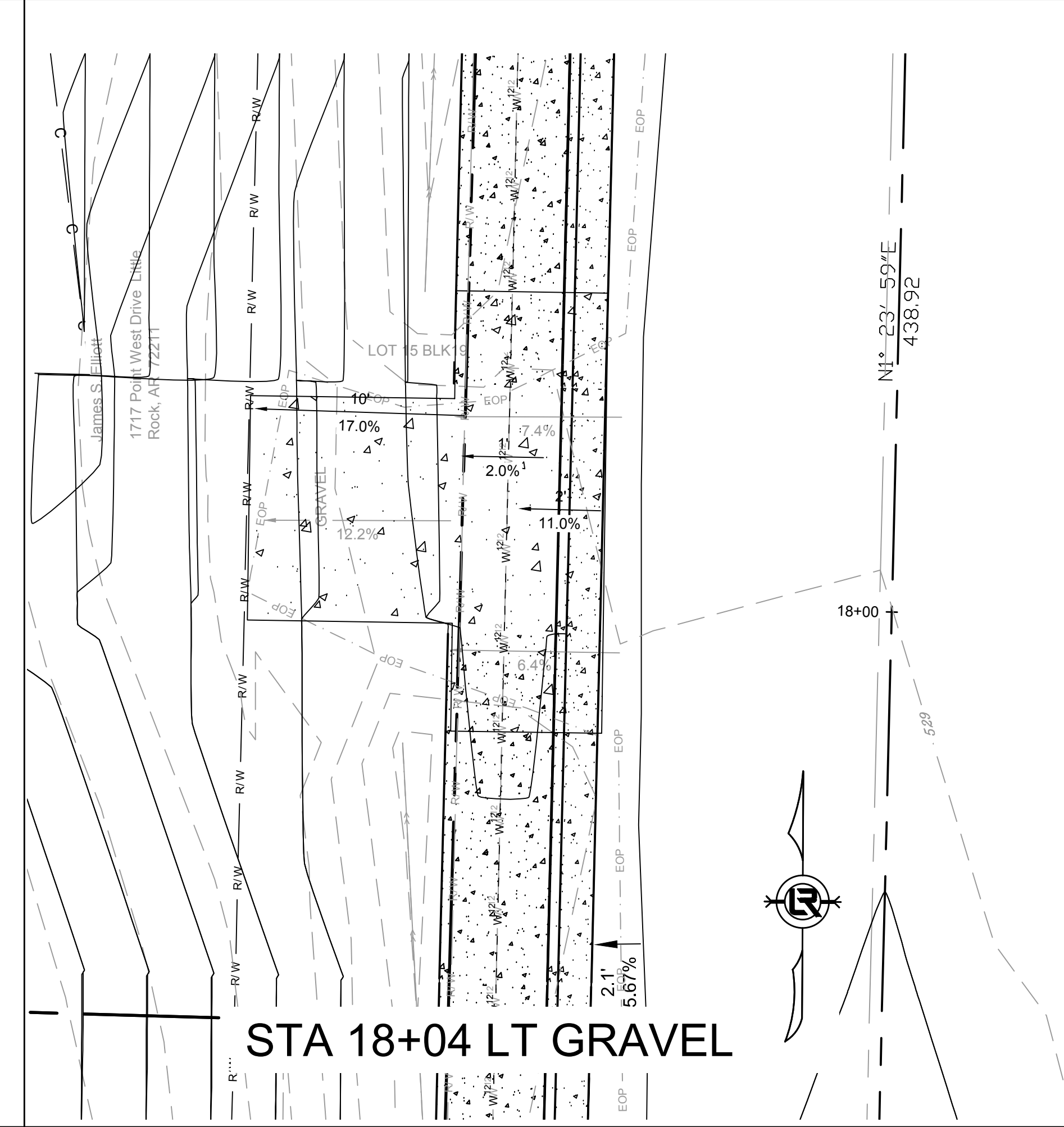
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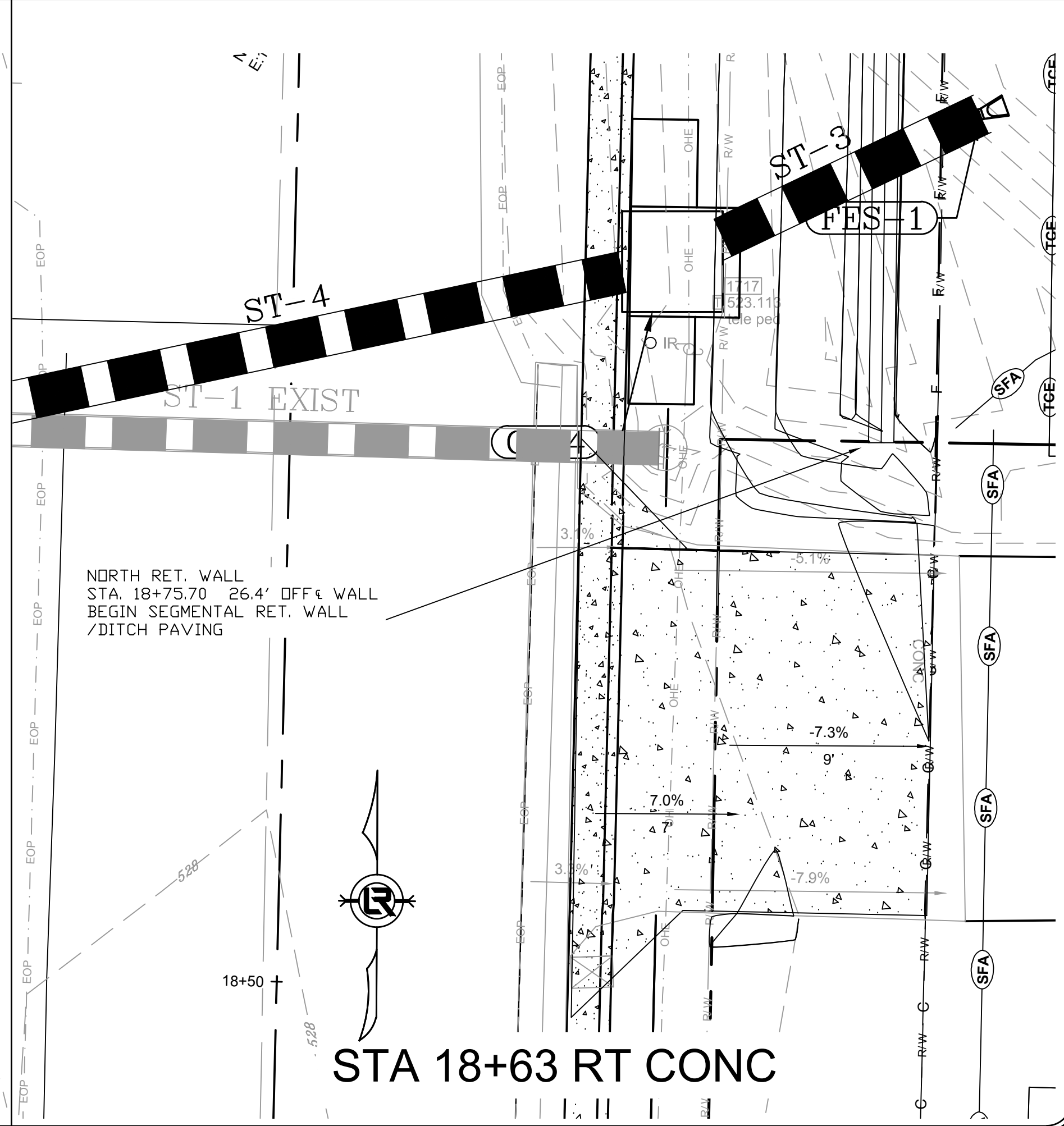
STA 17+42 RT CONC



STA 17+92 RT CONC



STA 18+04 LT GRAVEL




STA 18+63 RT CONC

REVISIONS	DATE

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CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
DRIVEWAY PROFILES
DRIVEWAY 2



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 LITTLE ROCK, ARKANSAS 72201

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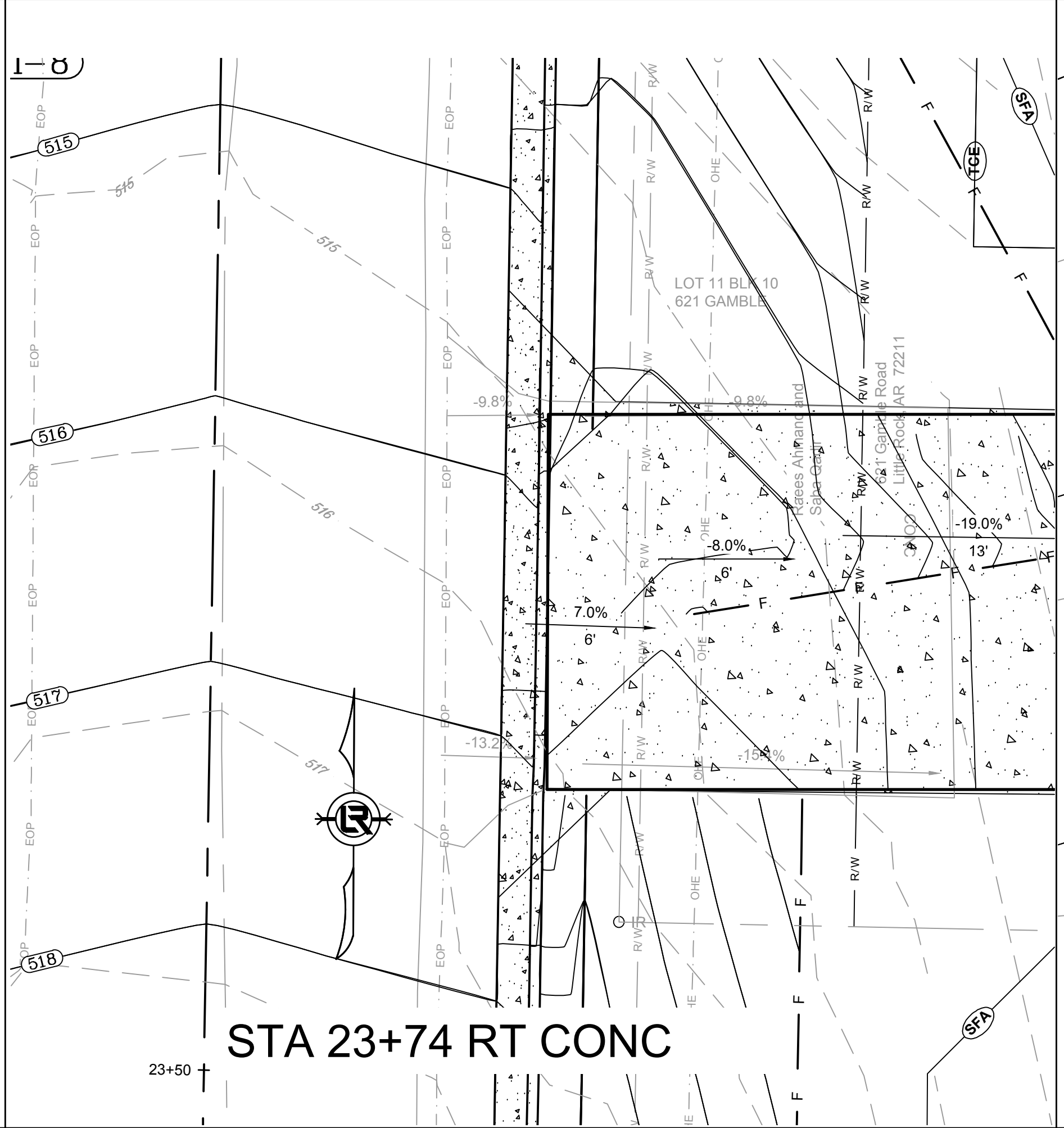
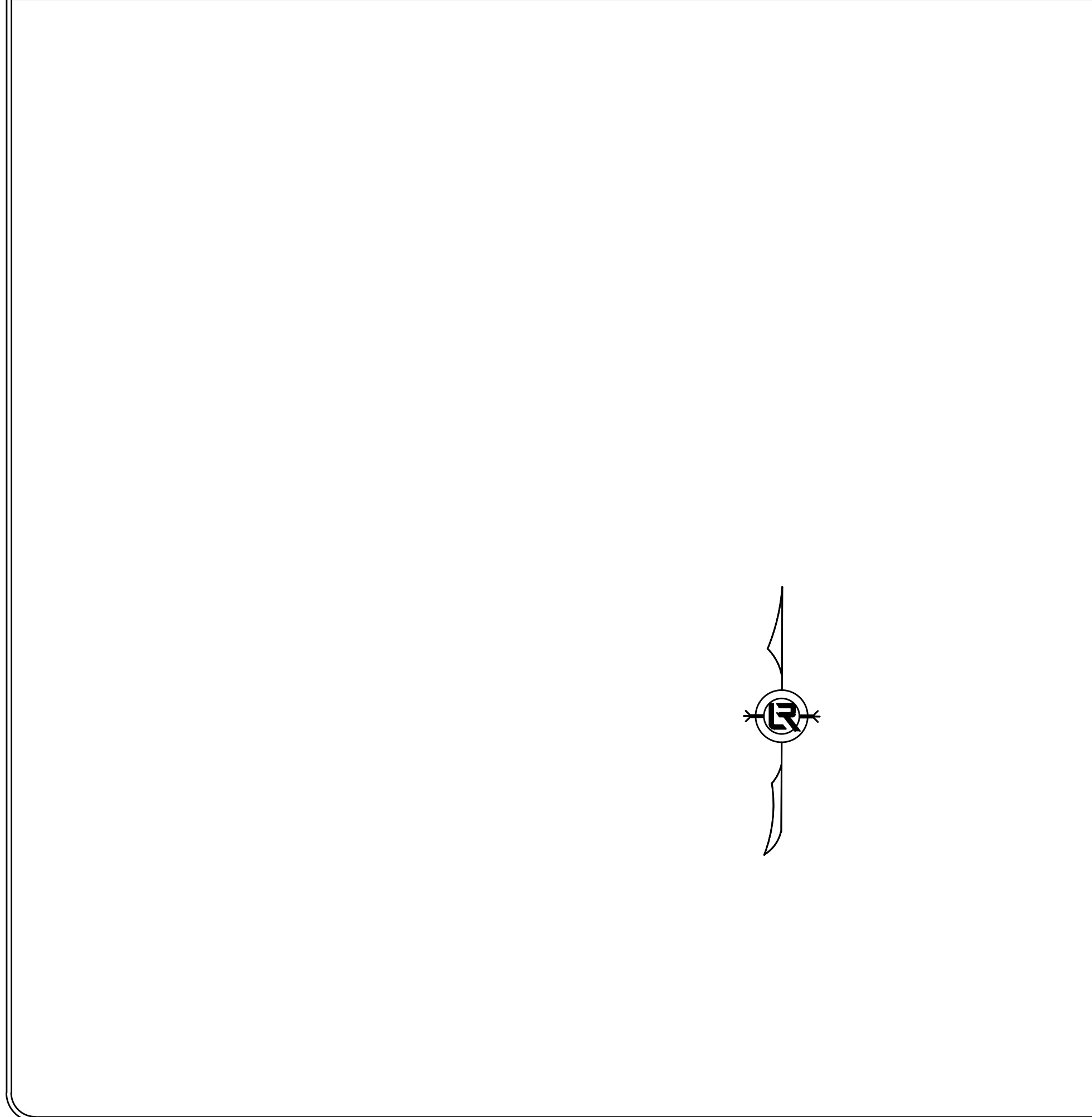
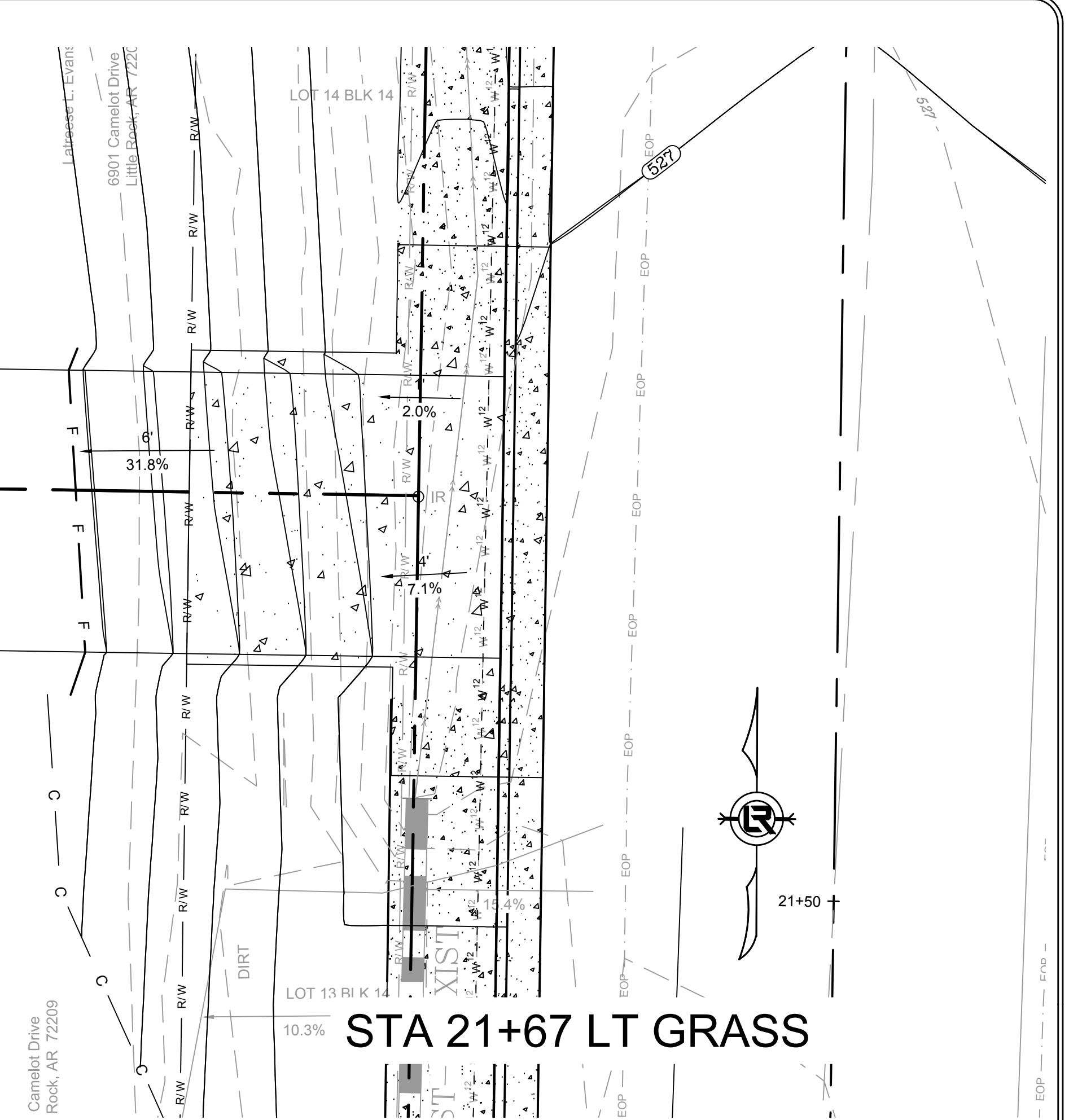
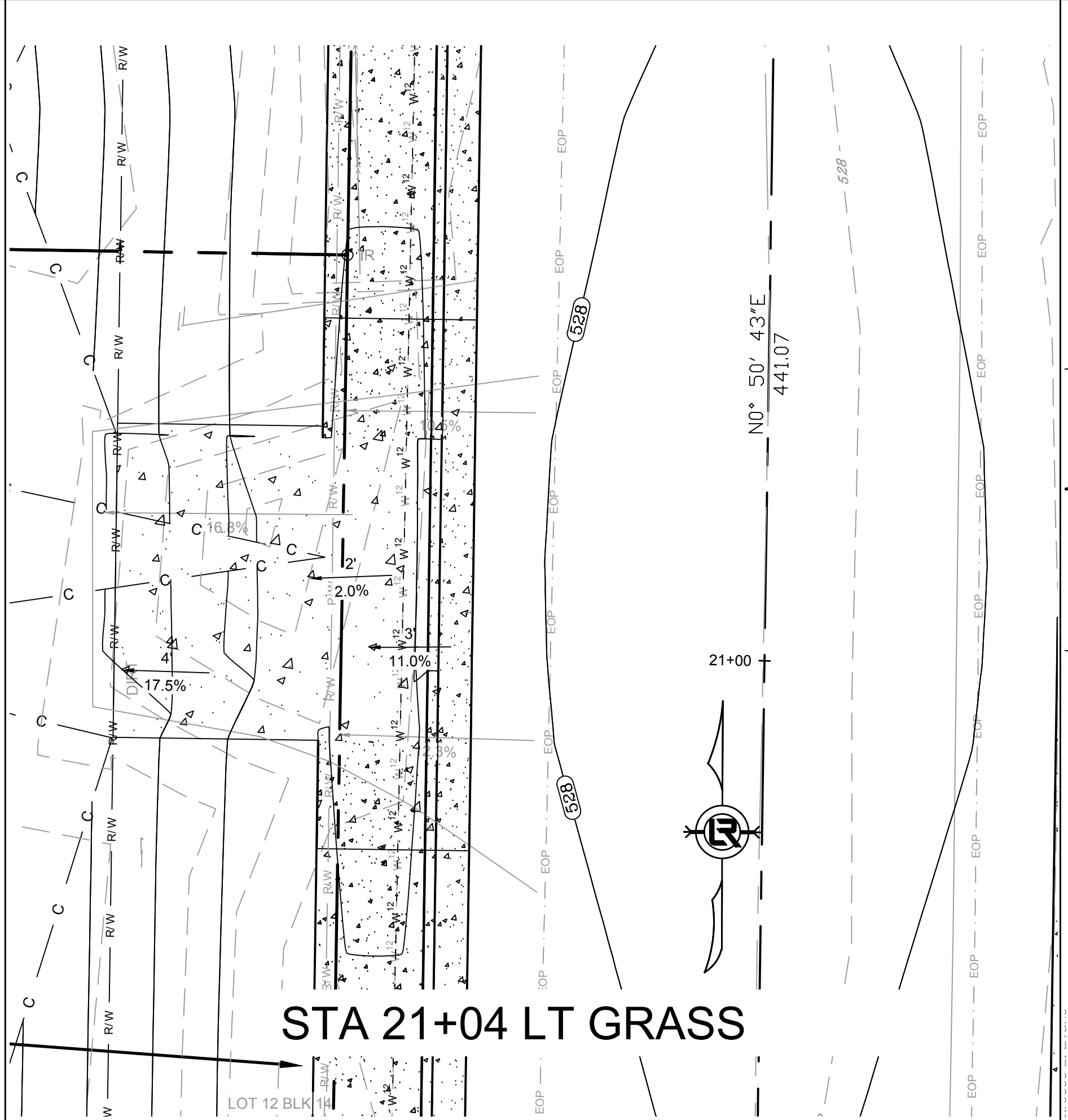
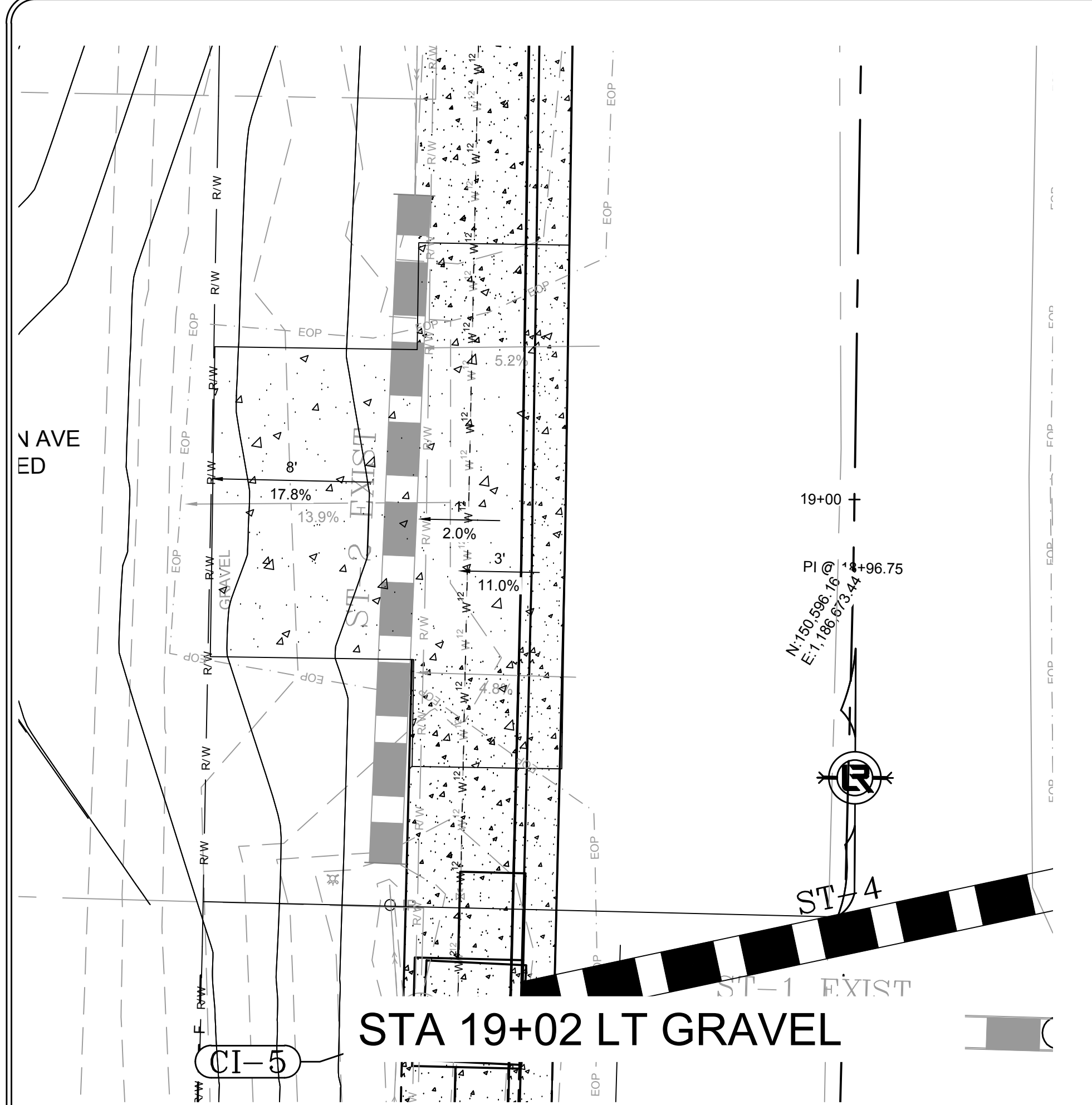
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DATE
2019-11-19

SCALE
N.T.S.

PROJECT NO.
16-5-ST-15

SHEET NO.
C12



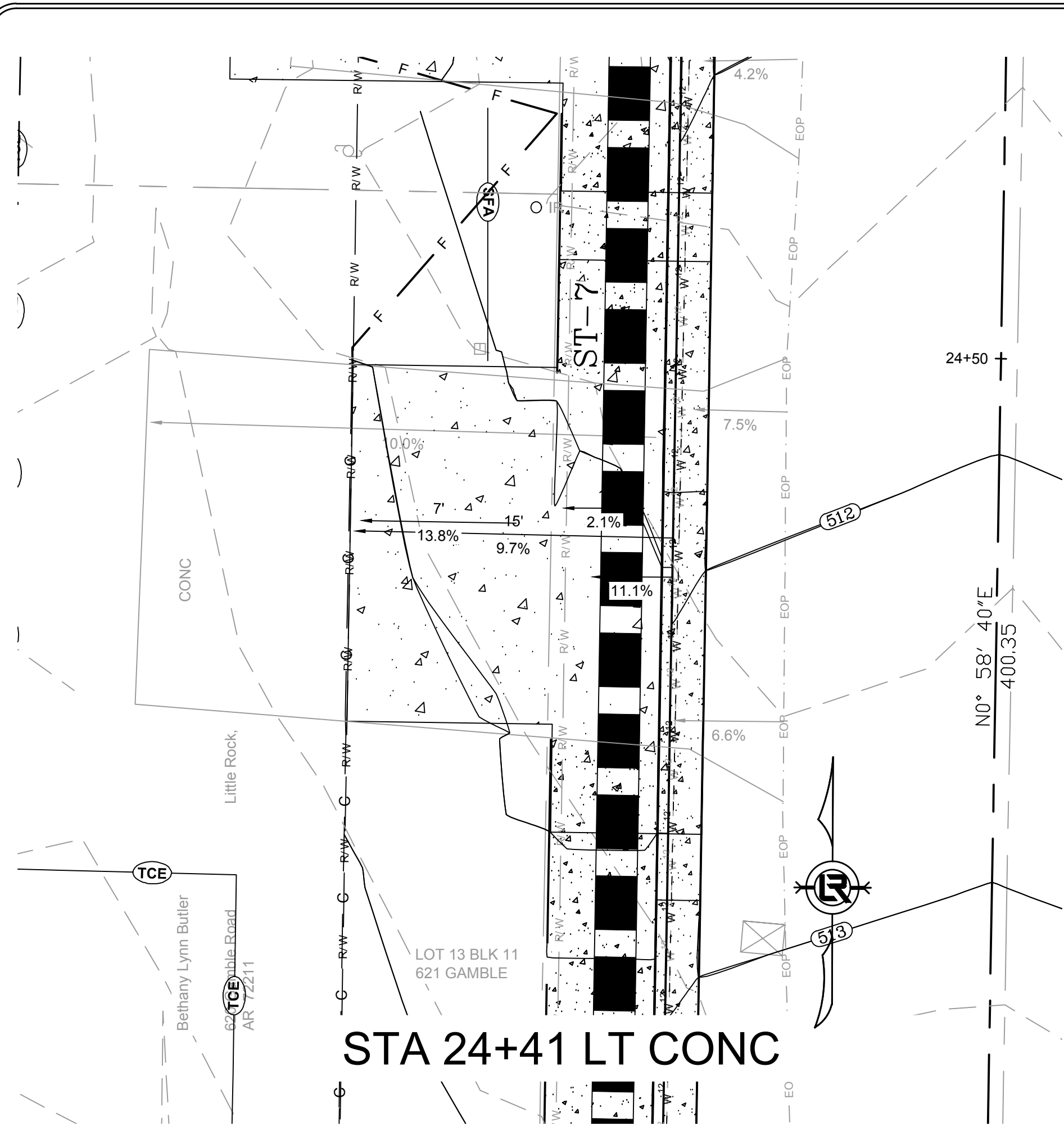
REVISIONS	DATE

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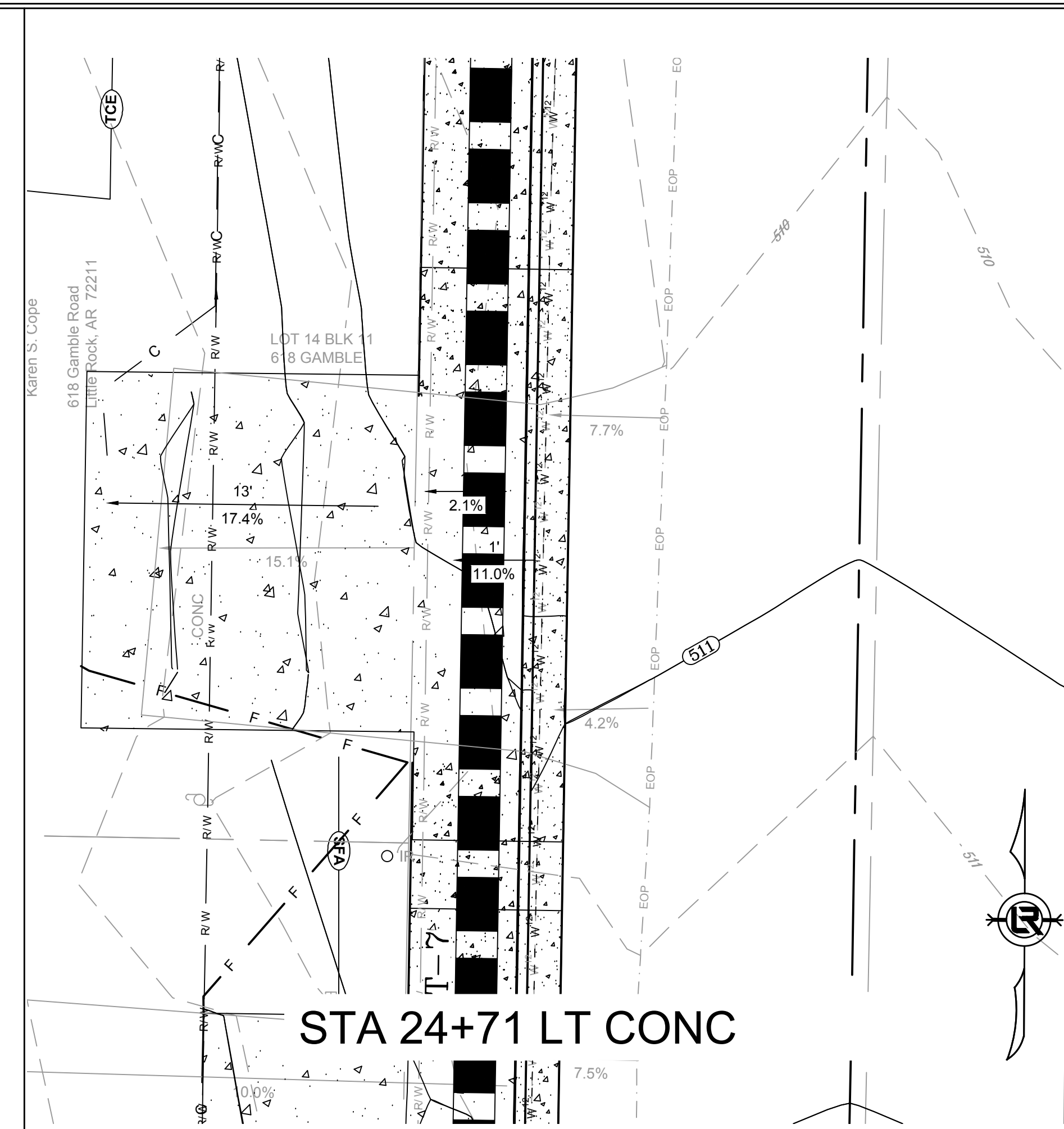
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
DRIVEWAY PROFILES
DRIVEWAY 3

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CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

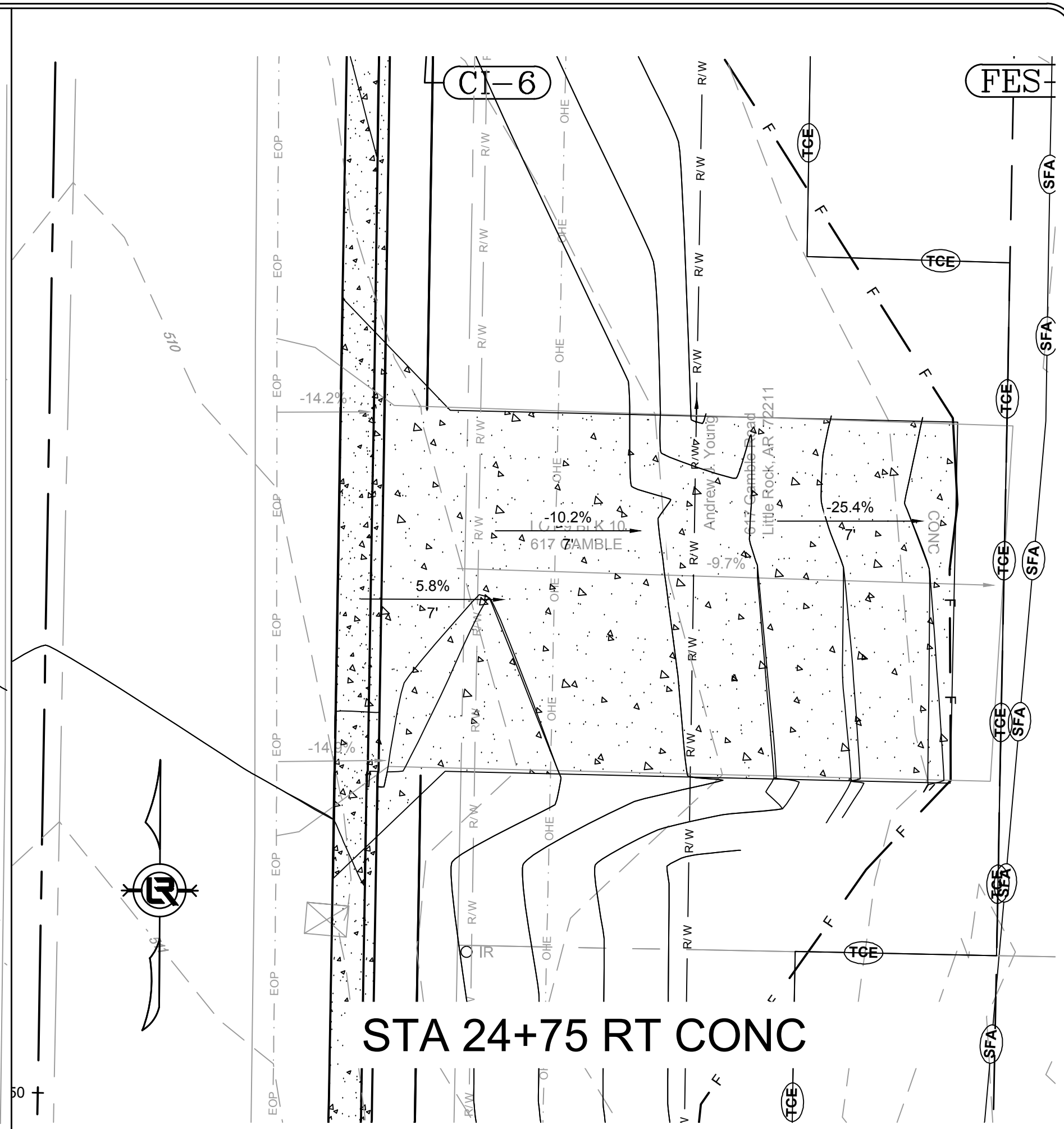
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PROJECT NO. 16-5-ST-15
SHEET NO. C13



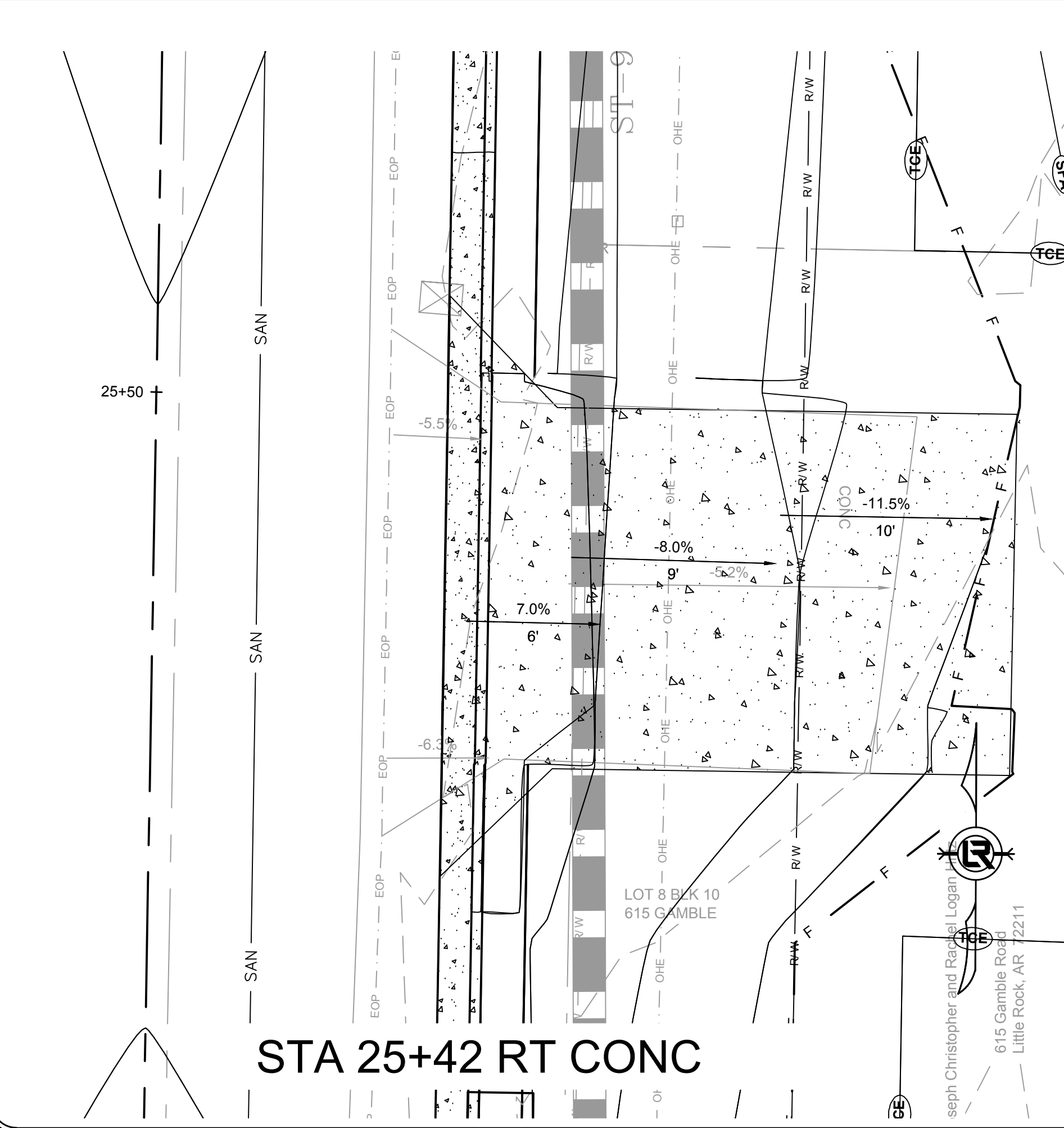
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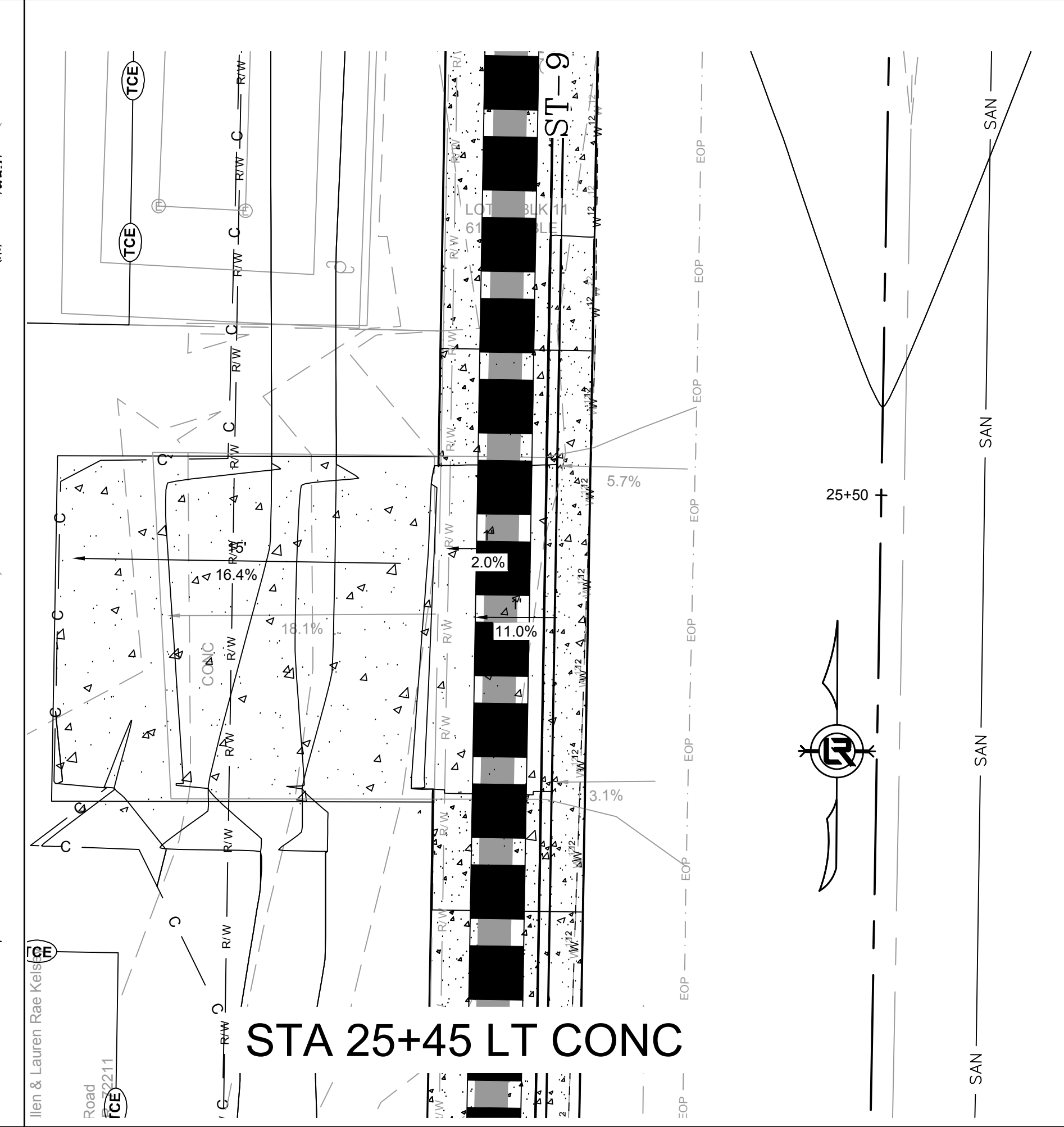
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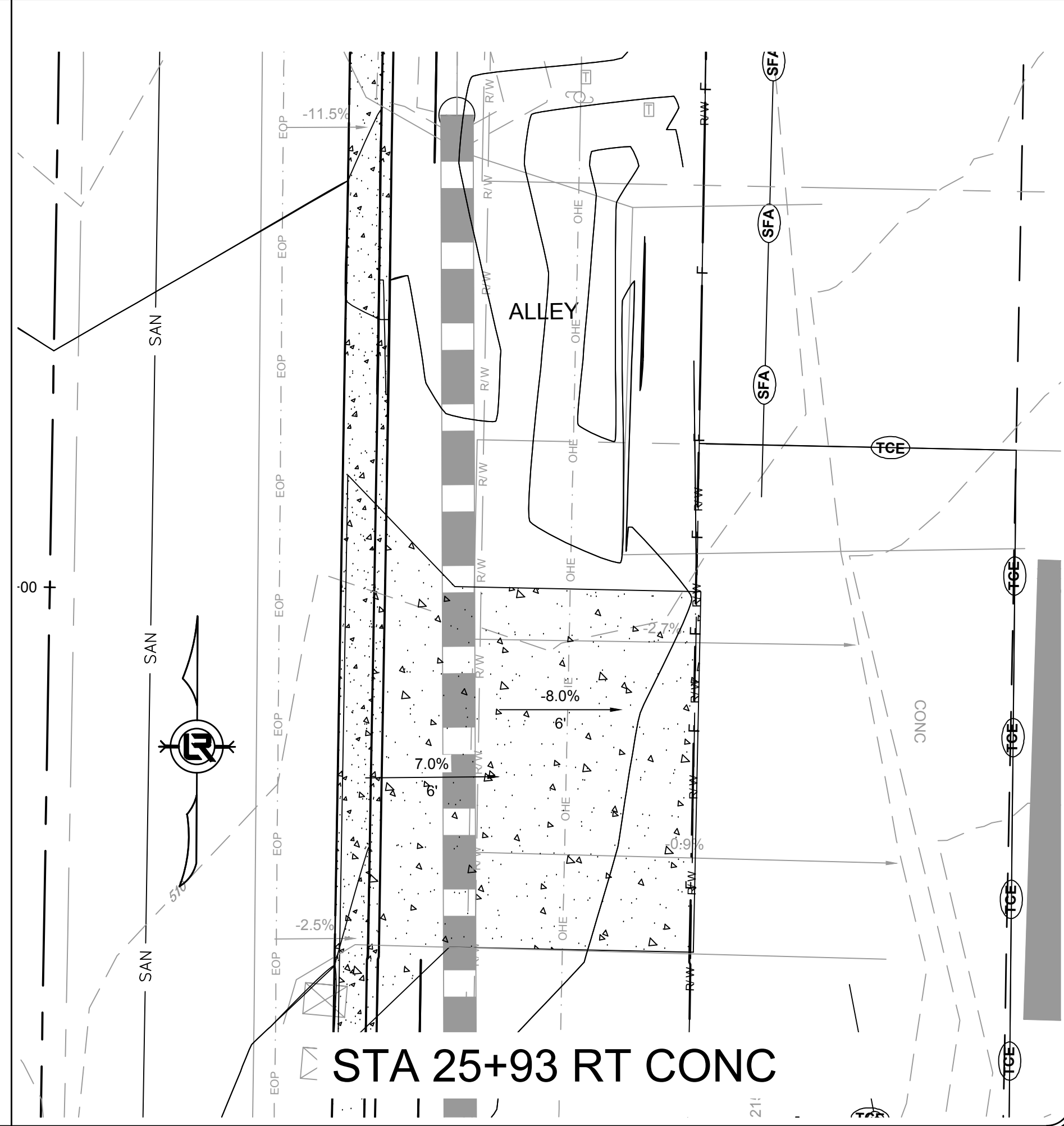
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REVISIONS DATE

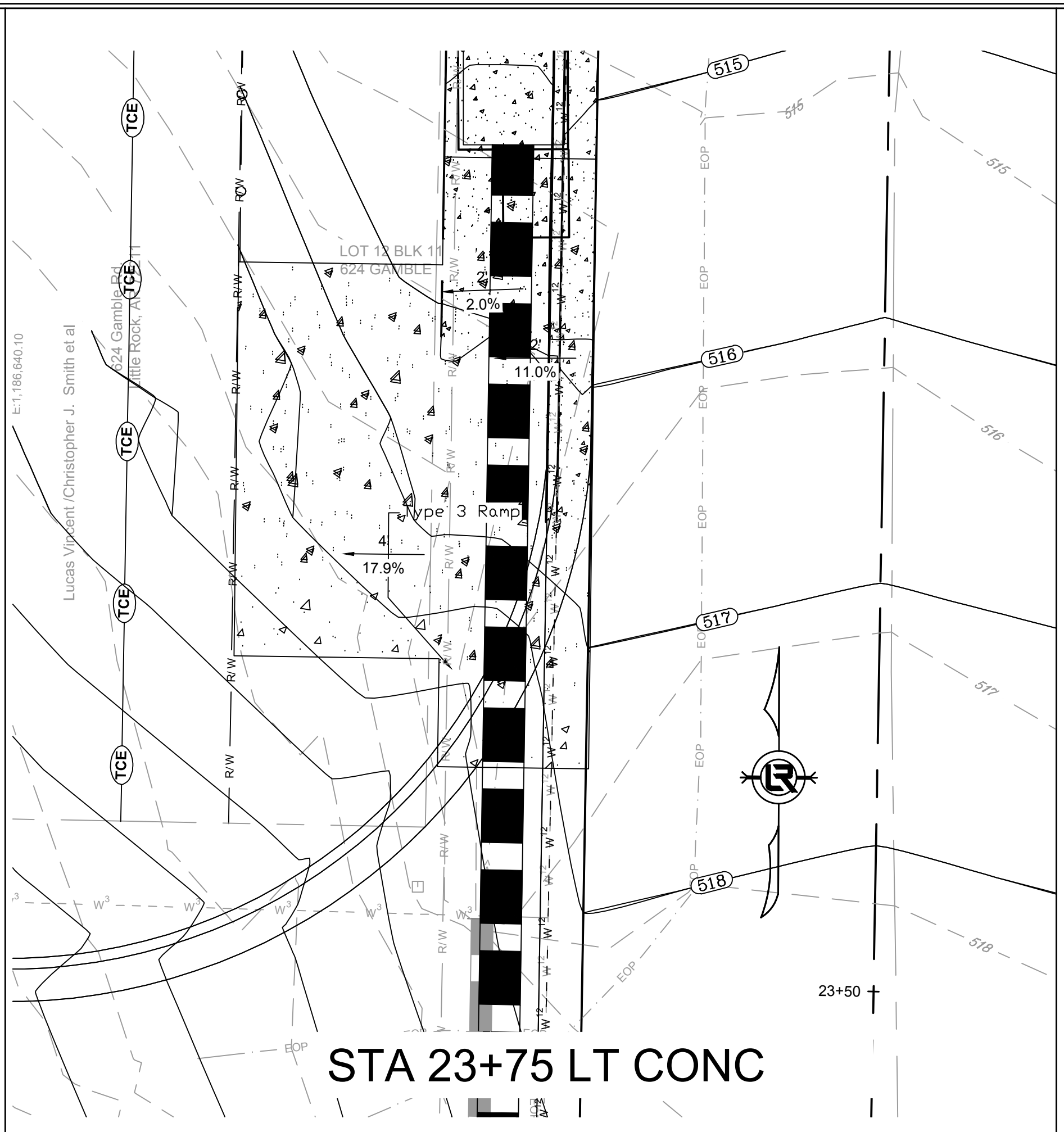
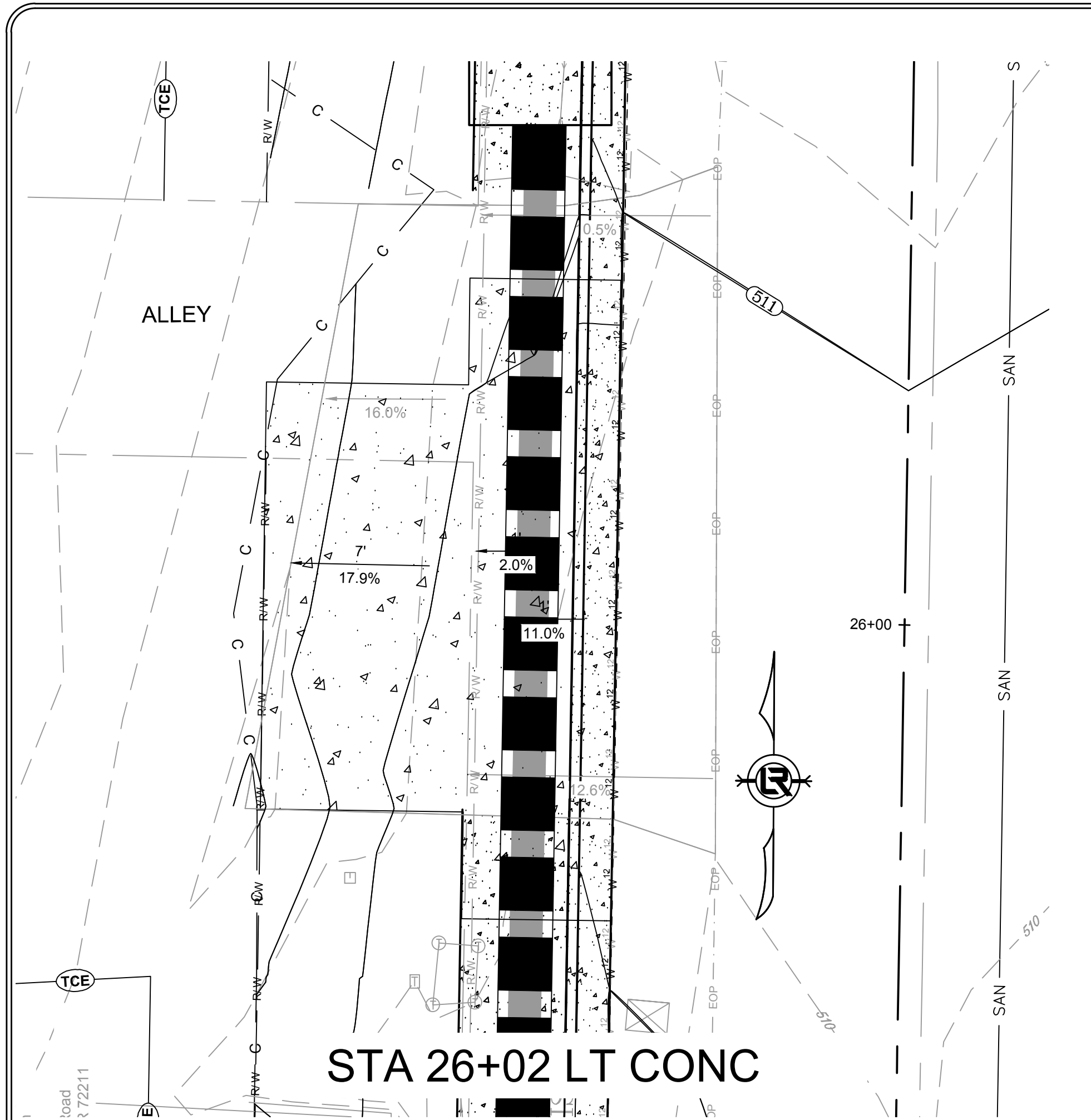
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GAMBLE RD
 DRIVEWAY PROFILES
DRIVEWAY 4

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 PROJECT NO.
 16-5-ST-15
 SHEET NO.
C14



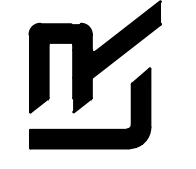
REVISIONS	DATE

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



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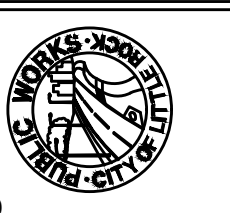
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SCALE 1" = 5'
PROJECT NO. 16-5-ST-15
SHEET NO. C15

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SOUTH RETAINING WALL



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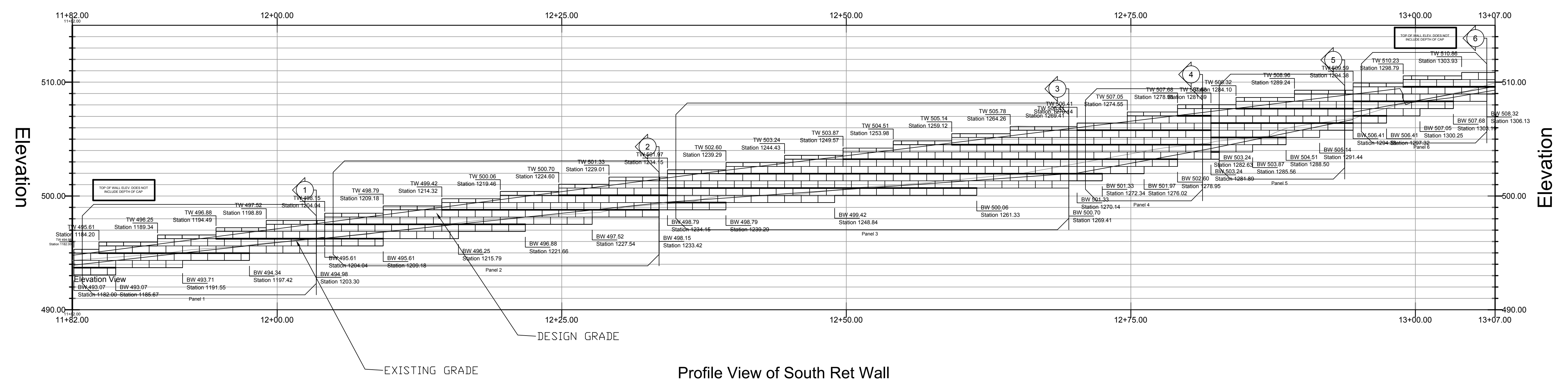
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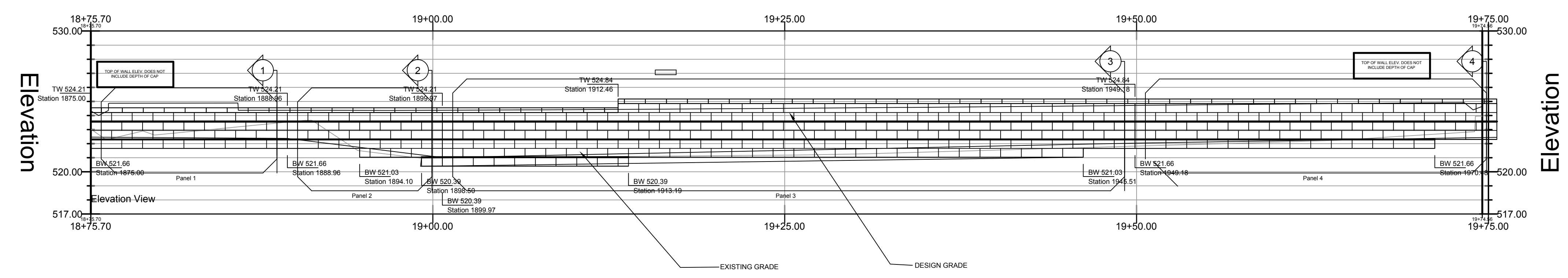
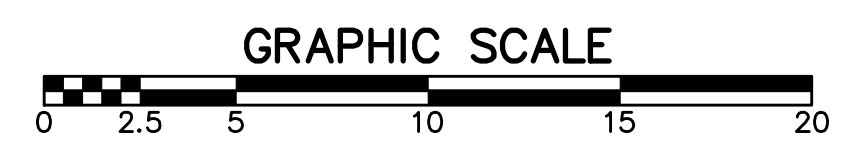
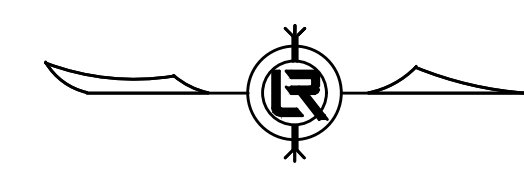
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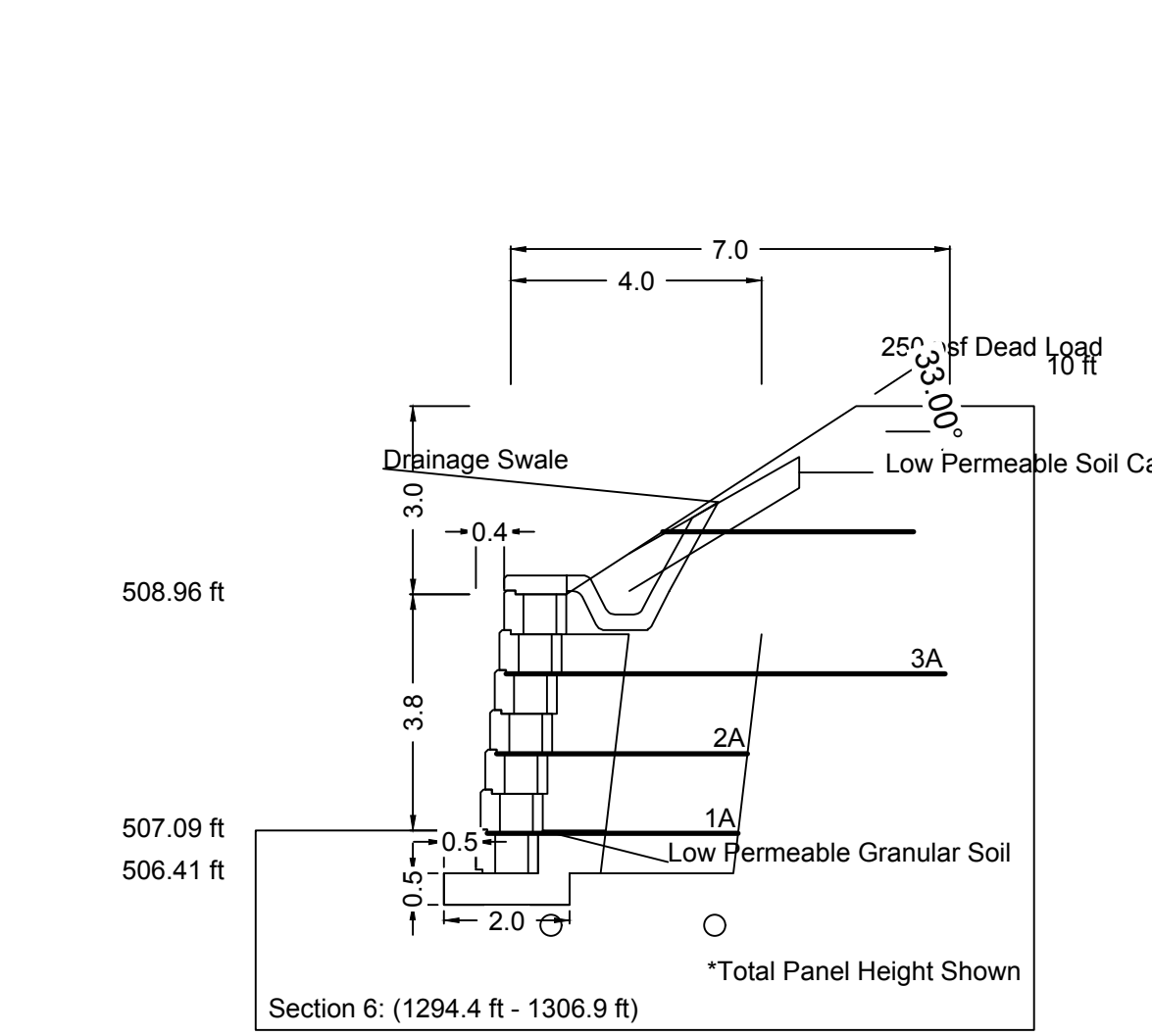
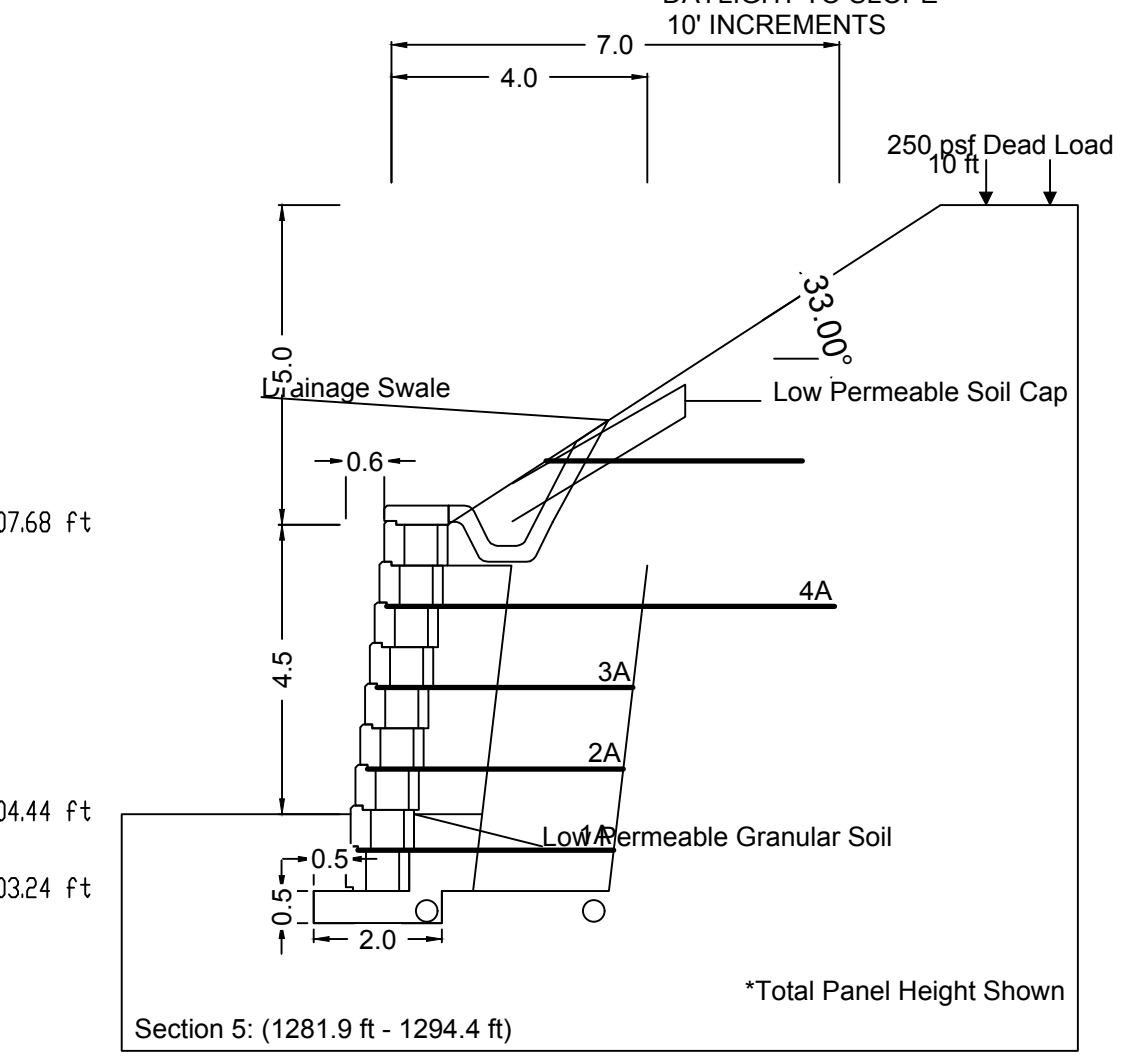
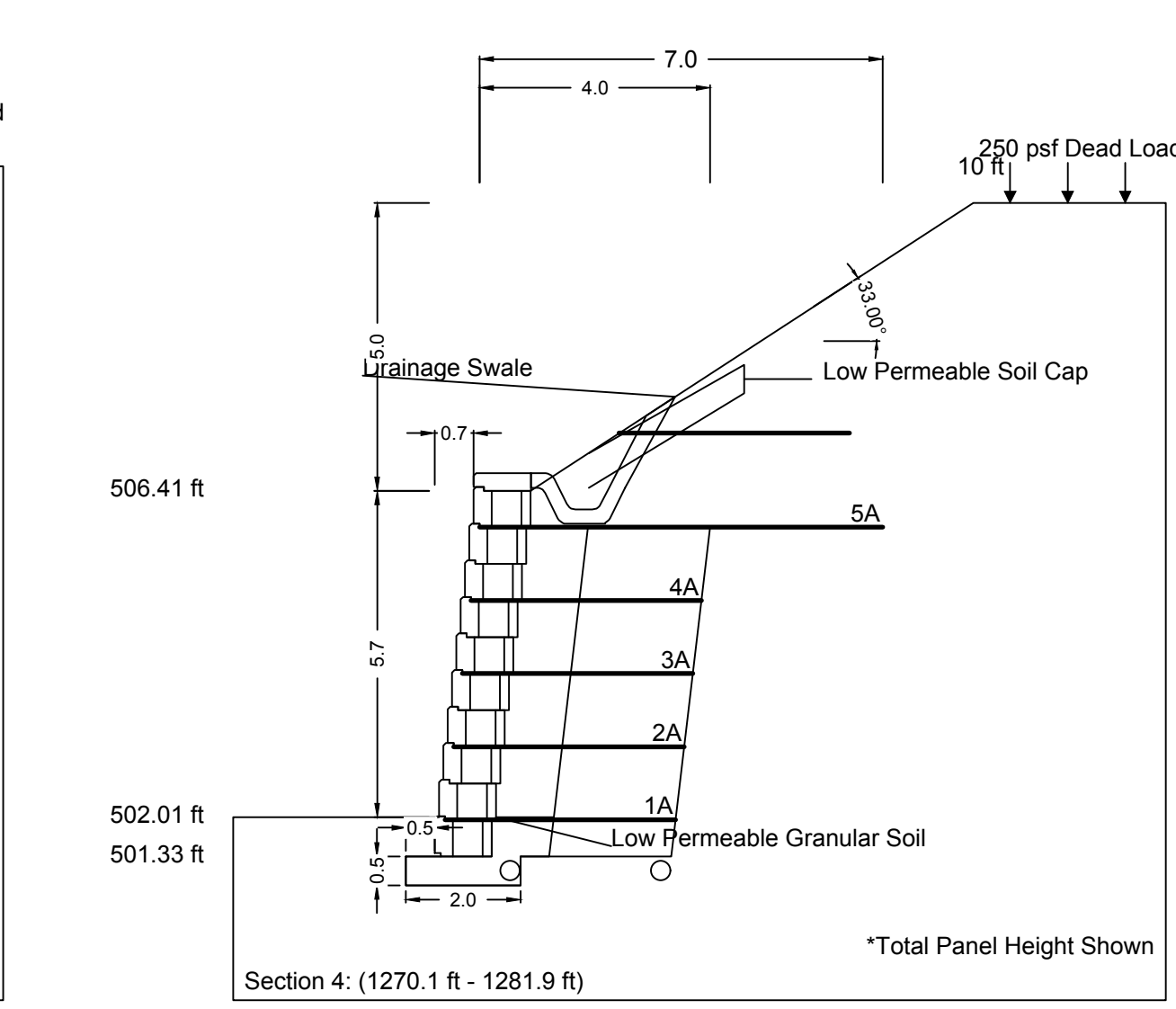
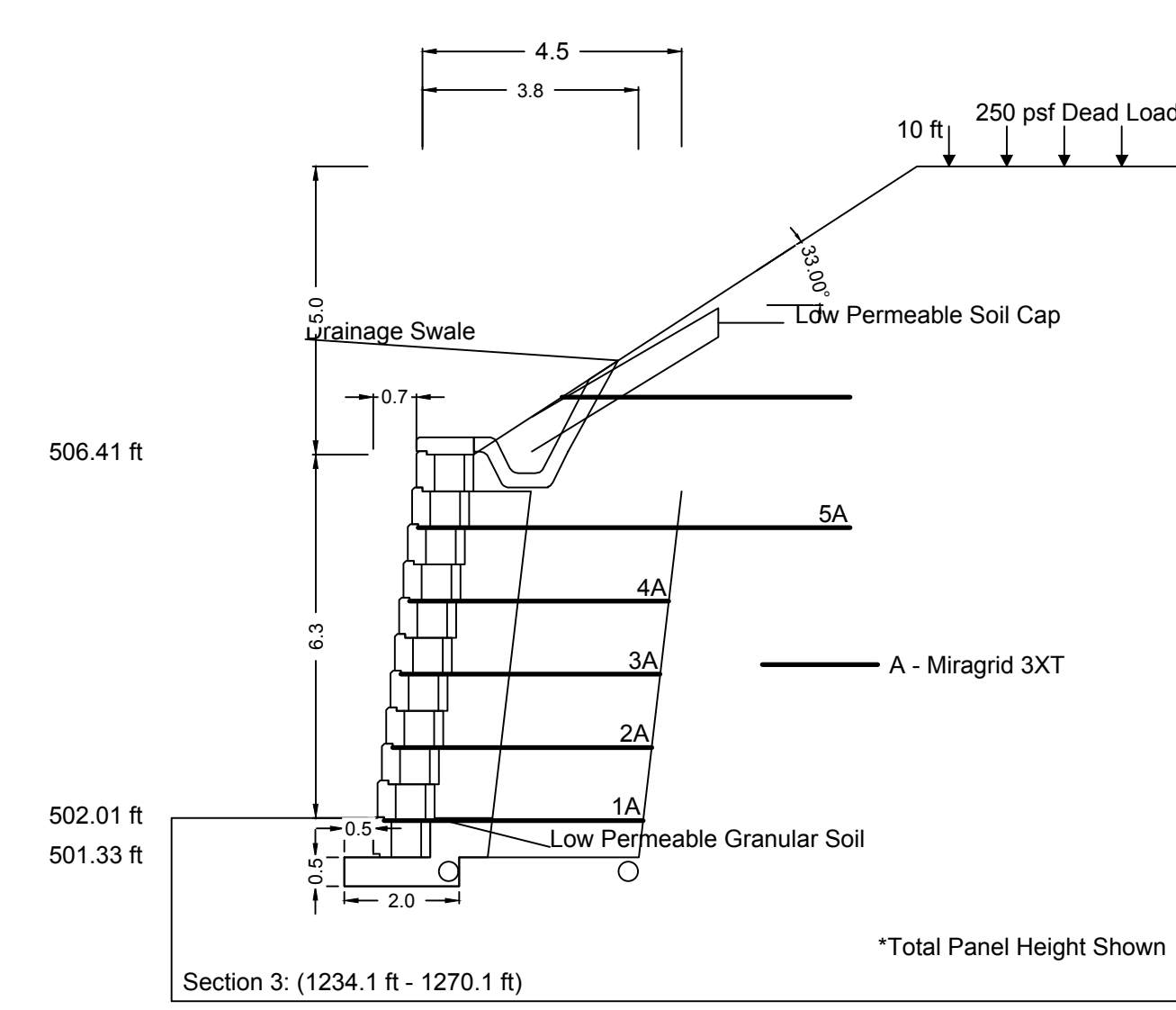
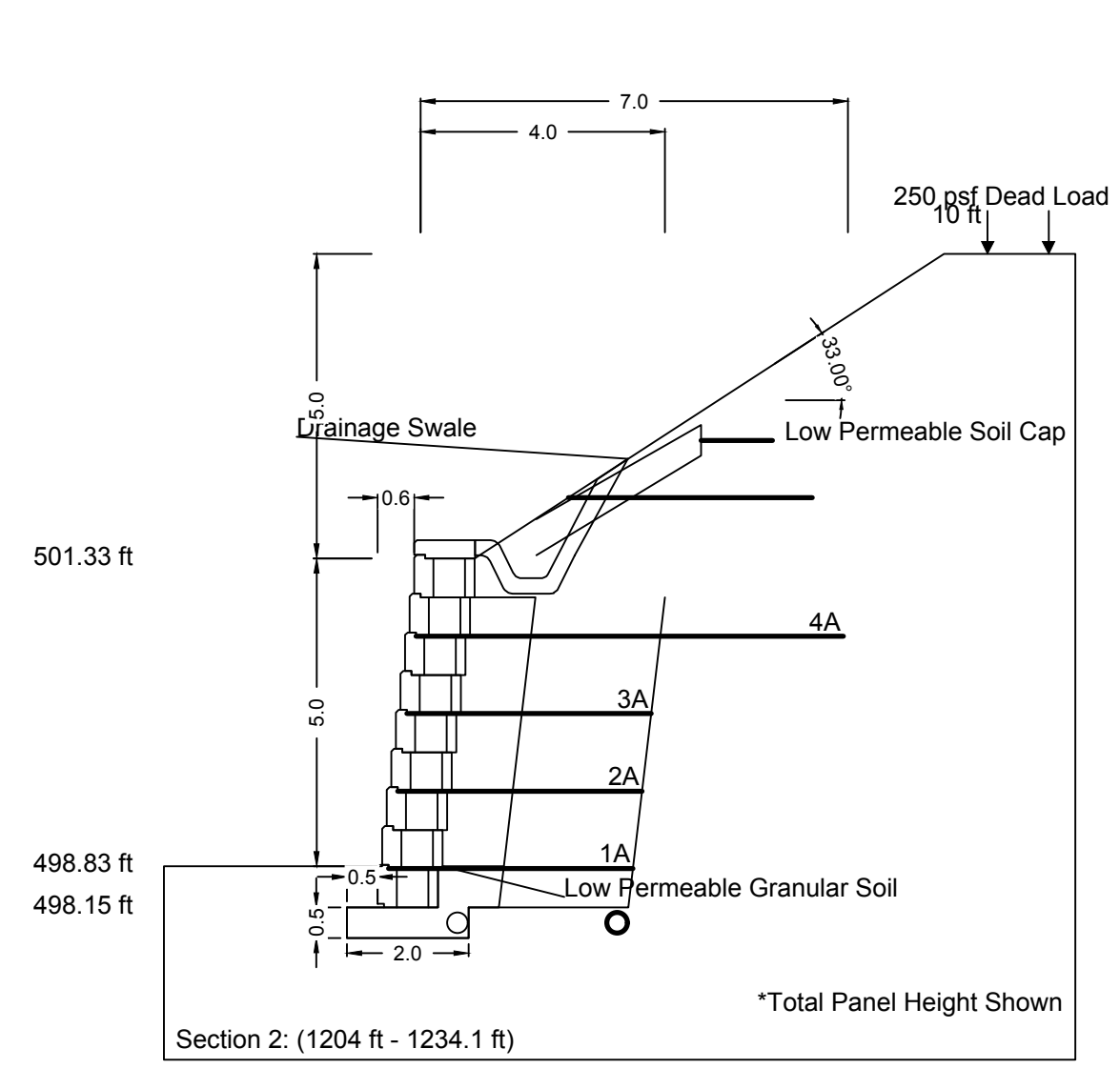
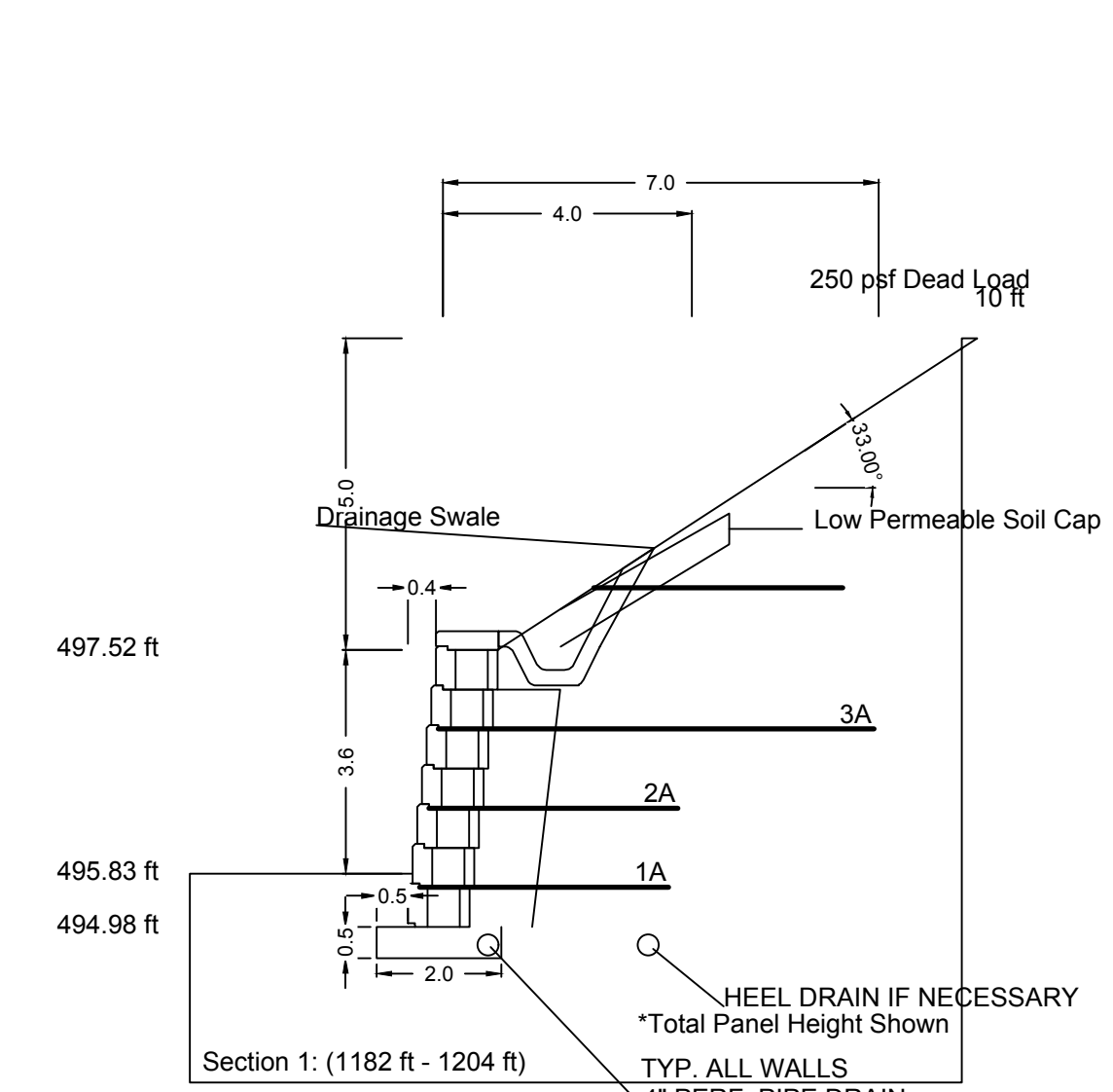
SHEET NO.
C16



Profile View of South Ret Wall



Profile View of North Ret Wall

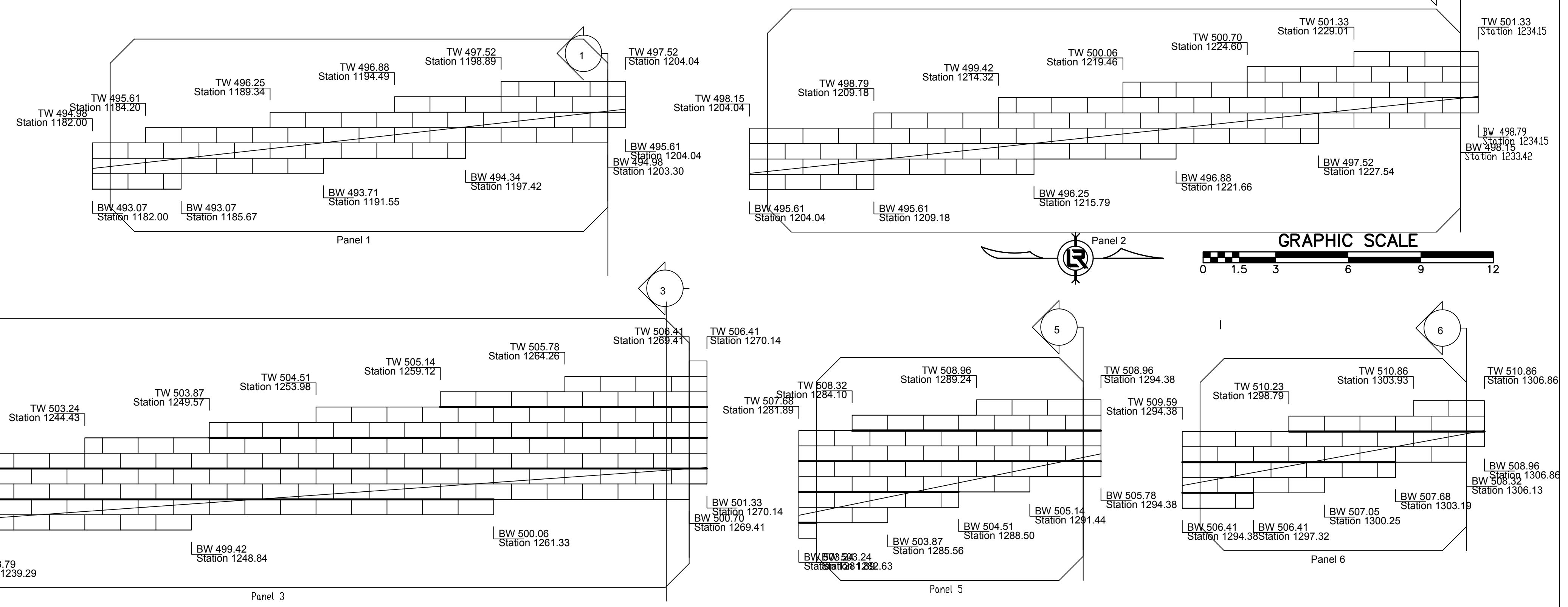
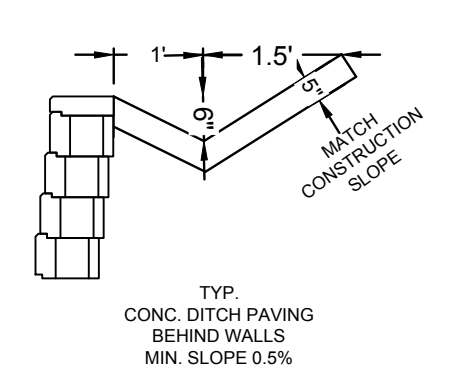


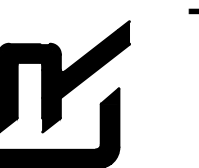
Soil Notes

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

- CONSTRUCTION NOTES:
- ACTUAL SOIL PARAMETERS MUST MEET OR EXCEED THESE LISTED CONDITIONS TO BE USED IN WALL CONSTRUCTION. IN GENERAL, GRANULAR SOILS (FRICTION ANGLE GREATER THAN OR EQUAL TO 32 DEGREES) ARE RECOMMENDED AS INFILL SOIL. FINE GRAINED COHESIVE SOILS (FRICTION ANGLE LESS THAN 32 DEGREES) WITH LOW PLASTICITY (PI LESS THAN 20) MAY BE USED IN WALL CONSTRUCTION, BUT ADDITIONAL BACKFILLING AND COMPACTION EFFORTS ARE REQUIRED. PP.
 - SUBSTITUTION OF INFILL SOILS ARE STRICTLY PROHIBITED UNLESS APPROVED BY THE ENGINEER OF RECORD.
 - IN THIS ANALYSIS, THE EFFECTIVE FRICTION ANGLE WITHOUT THE ADDITION OF COHESION IS USED TO DETERMINE THE DESIGN STRENGTH OF THE SOIL WHEN CALCULATING LATERAL FORCES. AT THE DISCRETION OF THE ENGINEER OF RECORD, COHESION MAY BE USED WHEN CALCULATING THE ULTIMATE BEARING CAPACITY EVEN THOUGH IT IS TYPICALLY IGNORED.
 - GLOBAL STABILITY AND SEISMIC LOADING ARE NOT CONSIDERED IN THIS DESIGN.
 - HYDROSTATIC LOADING IS NOT CONSIDERED IN THIS ANALYSIS. SUFFICIENT DRAINAGE MUST BE PROVIDED SUCH THAT HYDROSTATIC LOADING (PORE PRESSURE) DOES NOT DEVELOP IN THE REINFORCED ZONE.
 - ANALYSIS ASSUMES FILL PLACEMENT IN 8 INCH (200 MM) LIFTS COMPACTED TO 95% STANDARD PROCTOR DENSITY. FOR ANY WALL OVER 10 FEET (3 METERS), WITH A SURCHARGE OR CONTAINS COHESIVE SOILS, COMPACTION TEST FREQUENCY AND LOCATION SHALL BE DETERMINED BY THE ENGINEER OF RECORD OR AS OTHERWISE SPECIFIED.
 - ALL FILL PLACED ABOVE WALLS SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS FOR ALL OTHER REINFORCED MATERIAL.
 - RETAINING WALL UNITS AND INSTALLATION SHALL CONFORM TO THE MANUFACTURES SPECIFICATION GUIDELINES, GEOGRID REINFORCEMENT SYSTEMS SPECIFICATION GUIDELINES, AND WATER MANAGEMENT SPECIFICATION GUIDELINES.
 - RETAINING WALLS MUST BE INSTALLED AND CONSTRUCTED ACCORDING TO THE CONTRACT DRAWINGS. THE RETAINING WALL PLAN VIEW IS FOR WALL IDENTIFICATION ONLY.
 - GEOGRID SPACING IS DETERMINED BY STRUCTURAL CROSS-SECTION DESIGN REQUIREMENTS. TO INSURE PROPER GEOGRID PLACEMENT, CONTRACTOR MUST REVIEW BOTH ELEVATION VIEW AND CROSS SECTIONS PRIOR TO WALL CONSTRUCTION.
 - SUGGESTED QUALITY ASSURANCE REQUIREMENTS: A QUALIFIED ENGINEER OR TECHNICIAN SHALL SUPERVISE THE WALL CONSTRUCTION TO VERIFY FIELD AND SITE SOIL CONDITIONS. IN THE EVENT THAT THE SITE GEOTECHNICAL ENGINEER DOES NOT PERFORM THIS WORK, A QUALIFIED GEOTECHNICAL ENGINEER/TECHNICIAN SHALL BE CONSULTED TO ASSURE THE WALL IS CONSTRUCTED WITH PROPER SOIL PARAMETERS.
 - SEE SHEET C18 FOR SURFACE DRAINAGE NOTES





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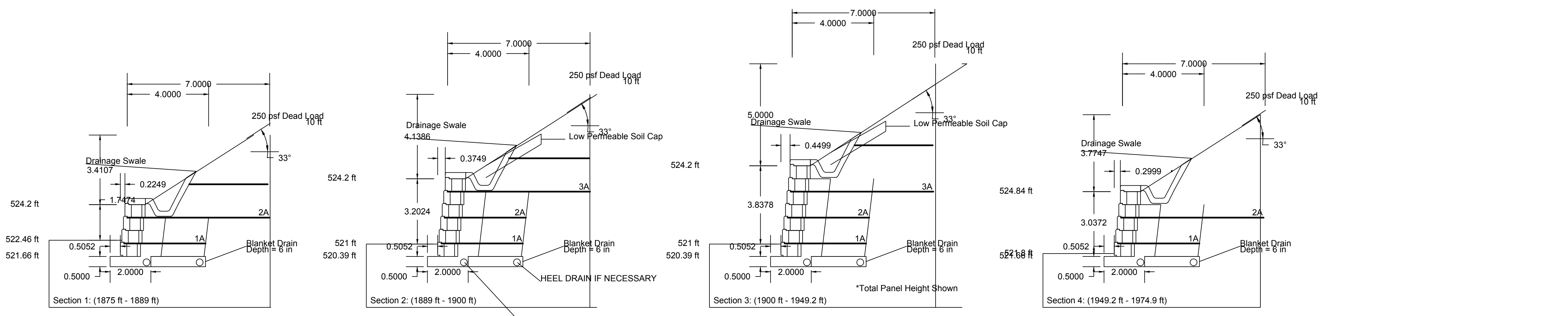
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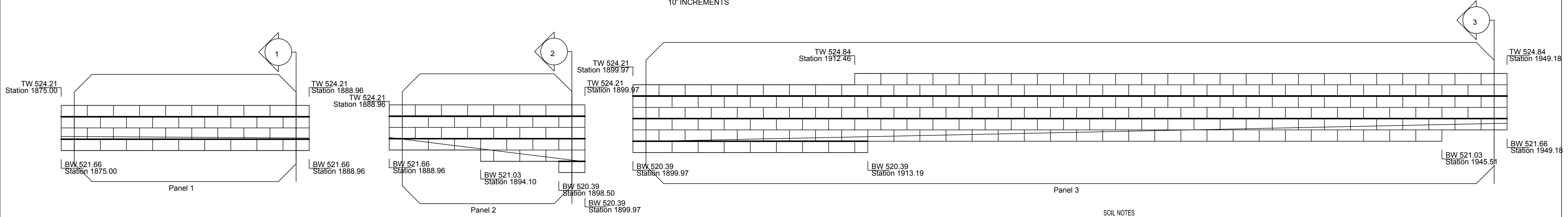
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SHEET NO.

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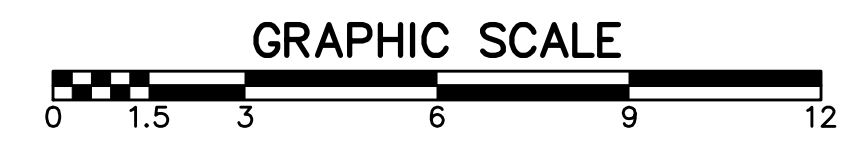
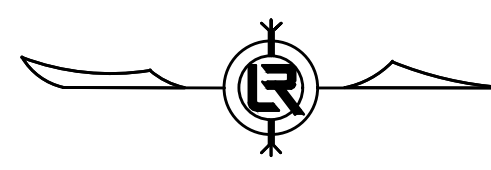


A - Miragrid 3XT
TYP. ALL WALLS
4" PERF. PIPE DRAIN
DAYLIGHT TO SLOPE
10' INCREMENTS



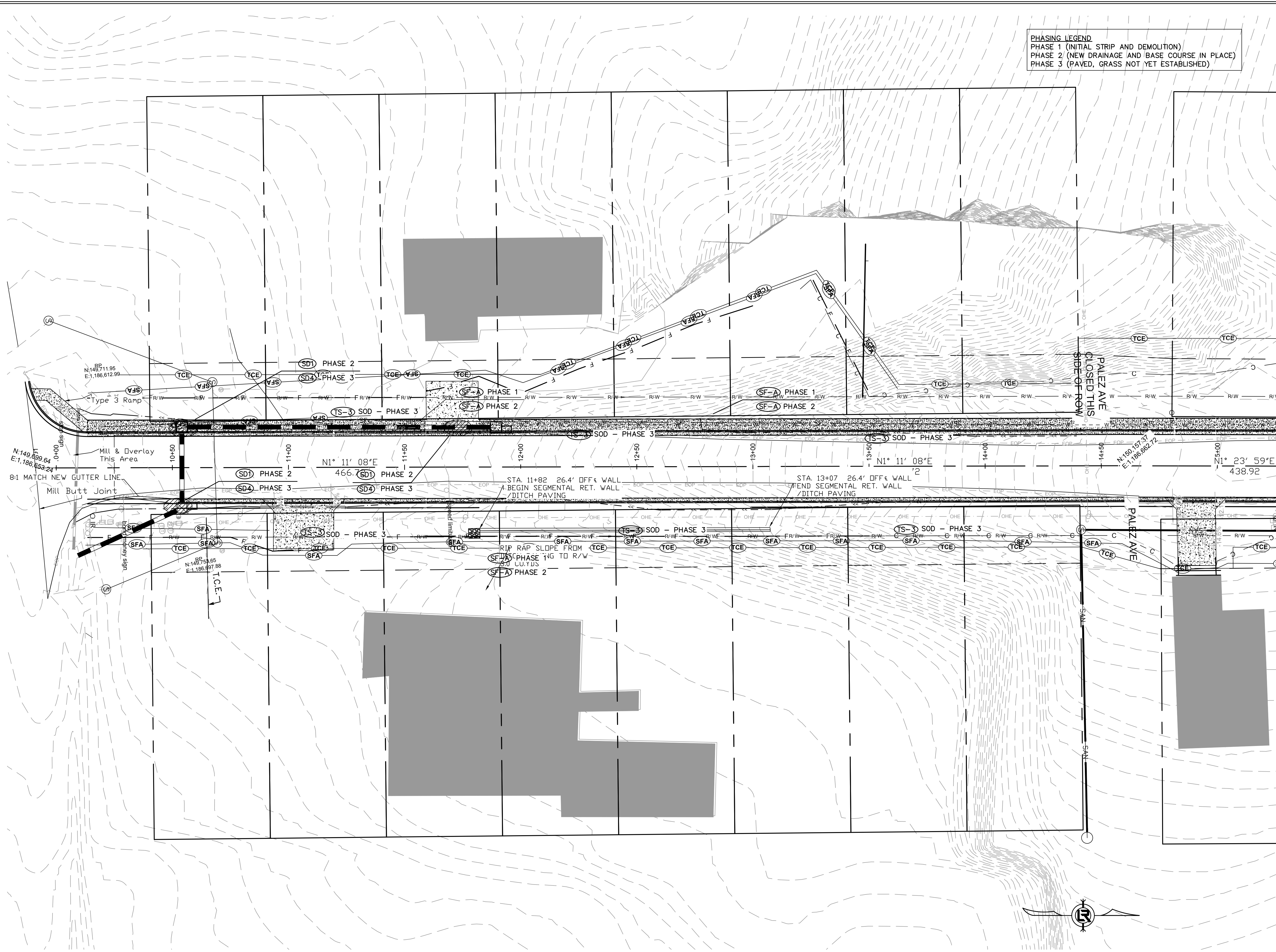
SOIL NOTES
SOIL LOADING CONSIDERED IN THIS DESIGN AND CALCULATIONS ARE BASED ON THE FOLLOWING PARAMETERS:

	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



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

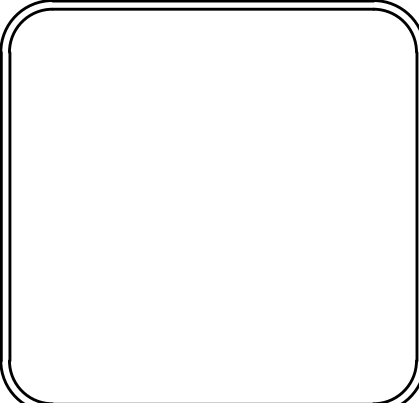
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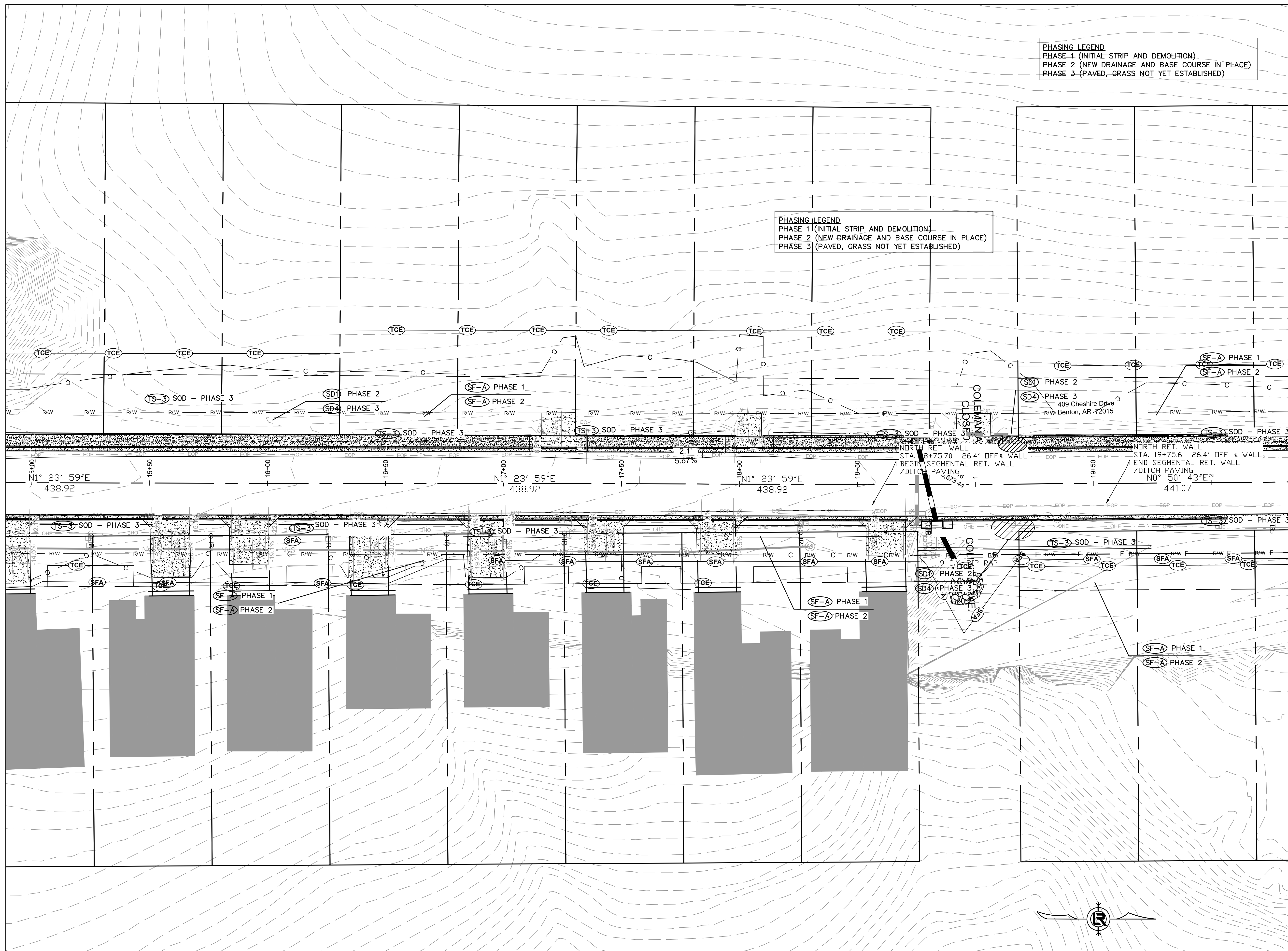
CITY OF LITTLE ROCK, ARKANSAS
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 EROSION 1



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DESIGNED RH
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SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C19



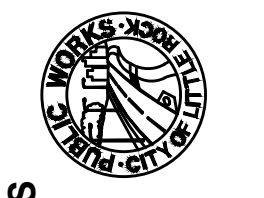
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 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

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

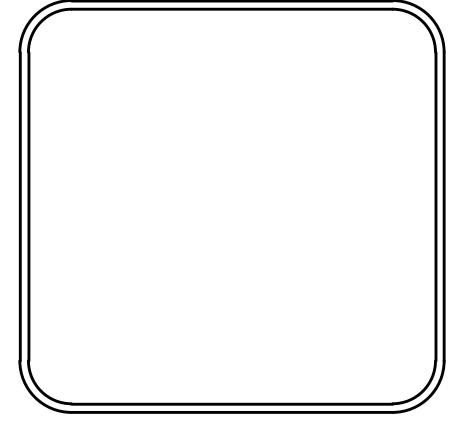
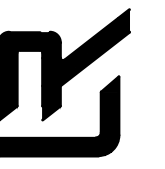
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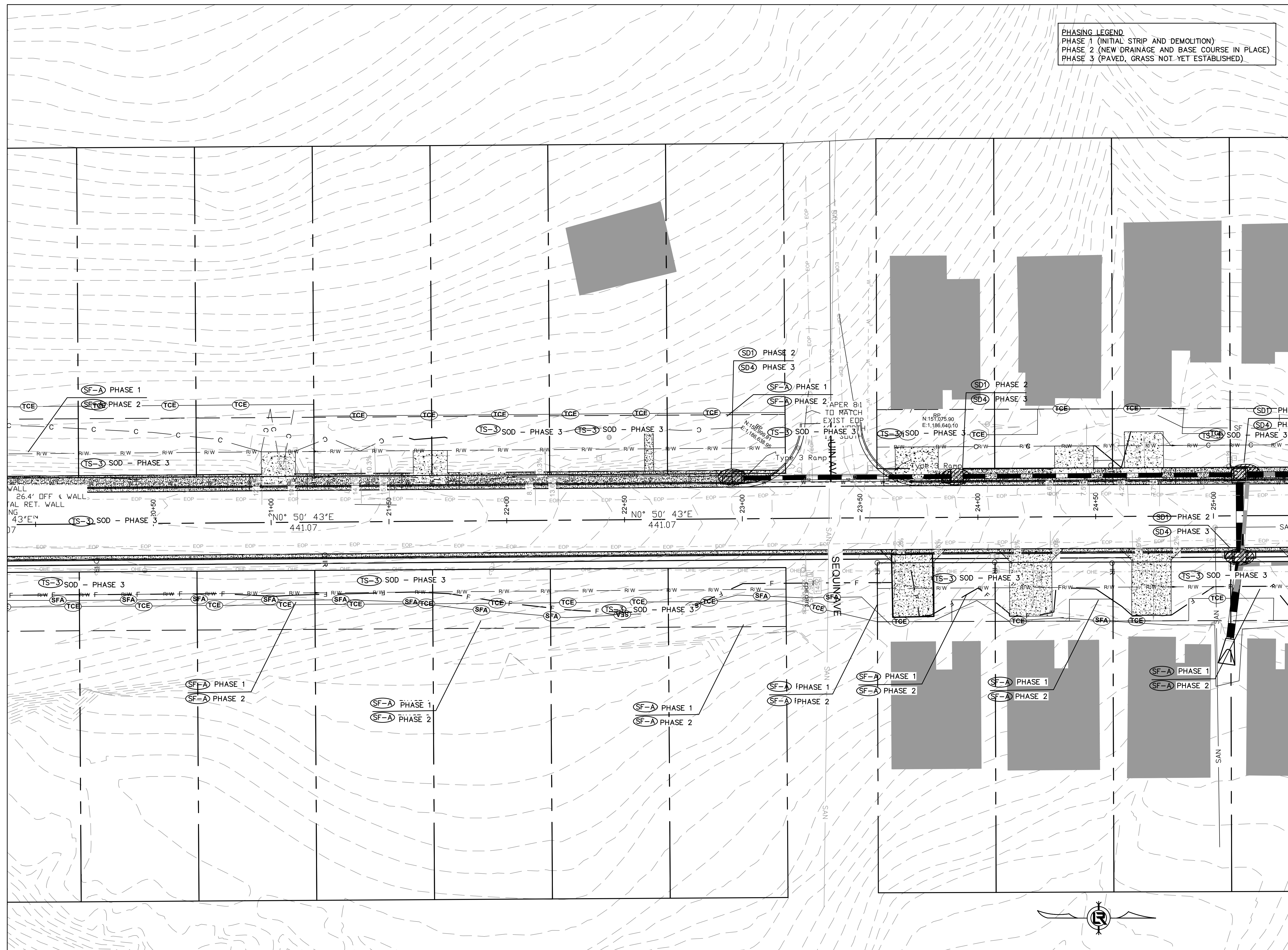
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 EROSION 2



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CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
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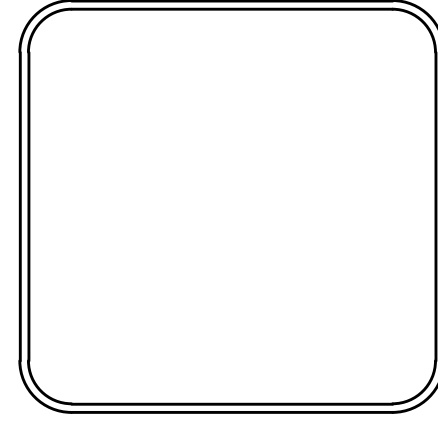
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 PHASE 1 (INITIAL STRIP AND DEMOLITION)
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

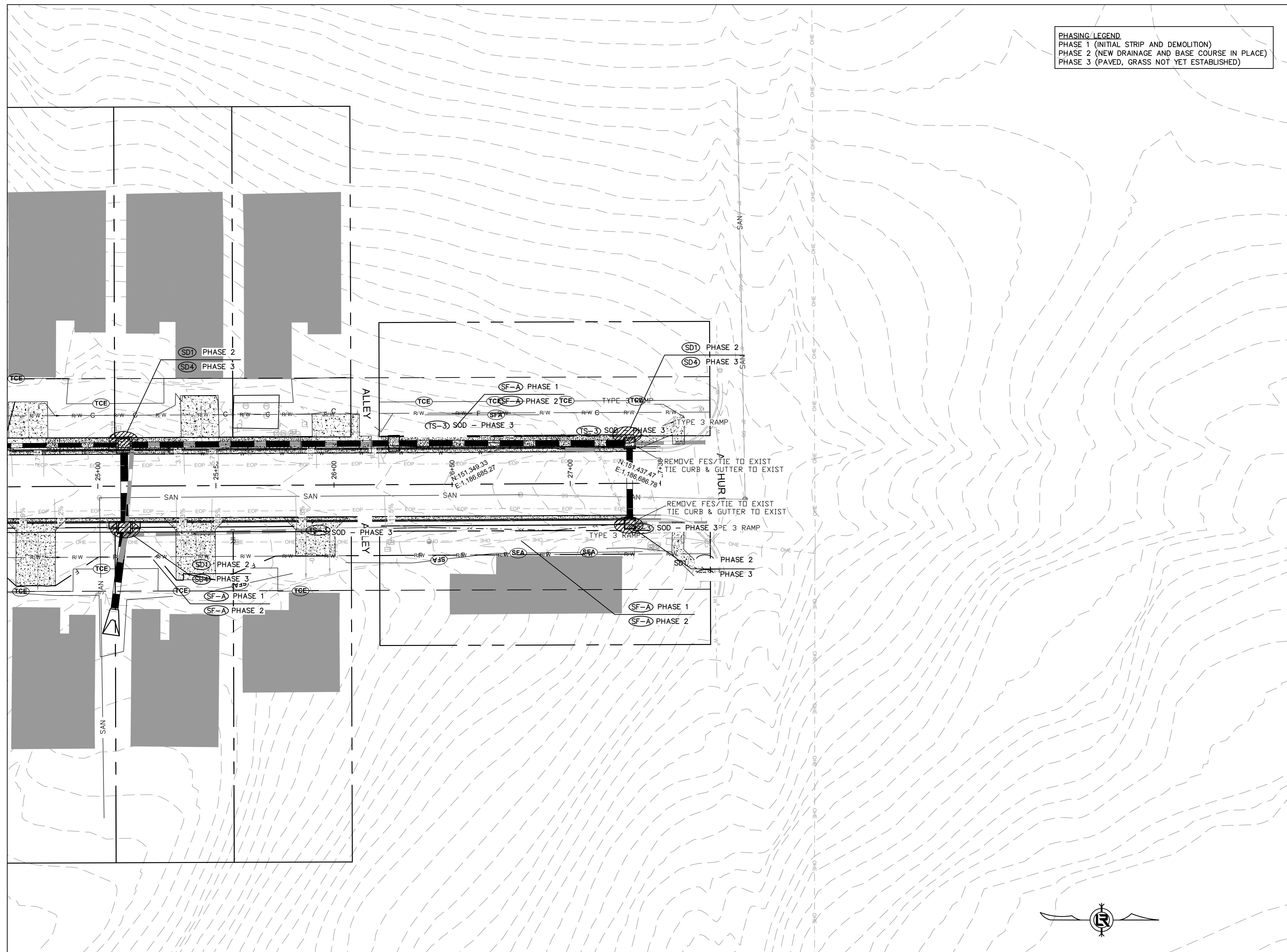
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CITY OF LITTLE ROCK, ARKANSAS
 GAMBLE RD
 EROSION 3

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 SCALE
 AS NOTED
 PROJECT NO.
 16-5-ST-15
 SHEET NO.
 C21



PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)
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 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

100% SUBMITTAL

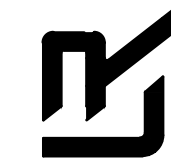
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GAMBLE RD

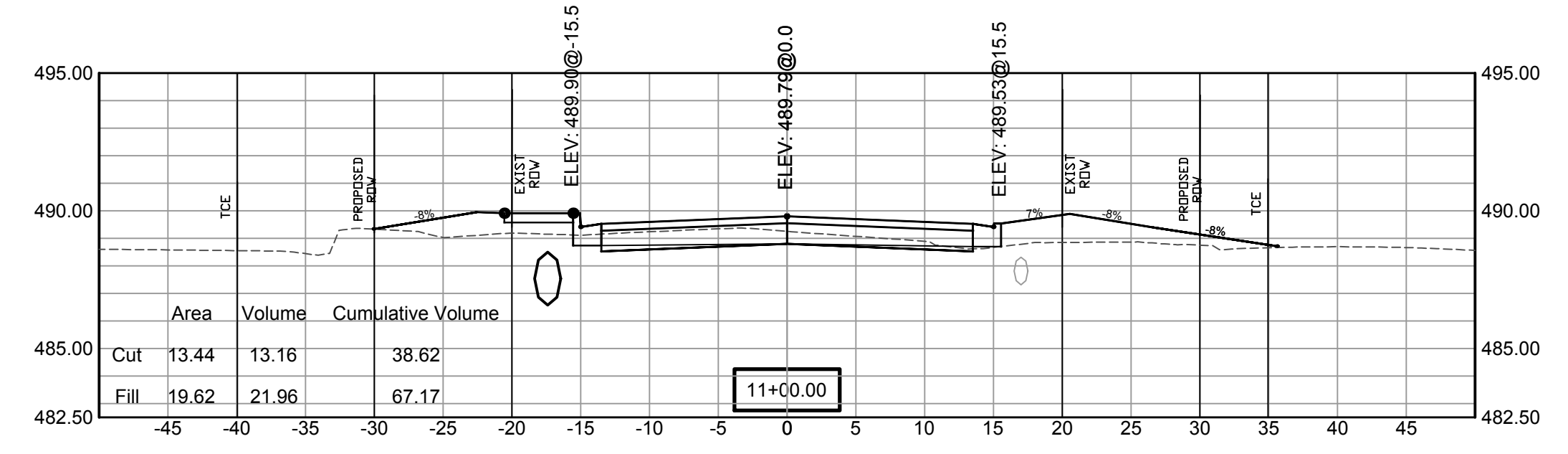
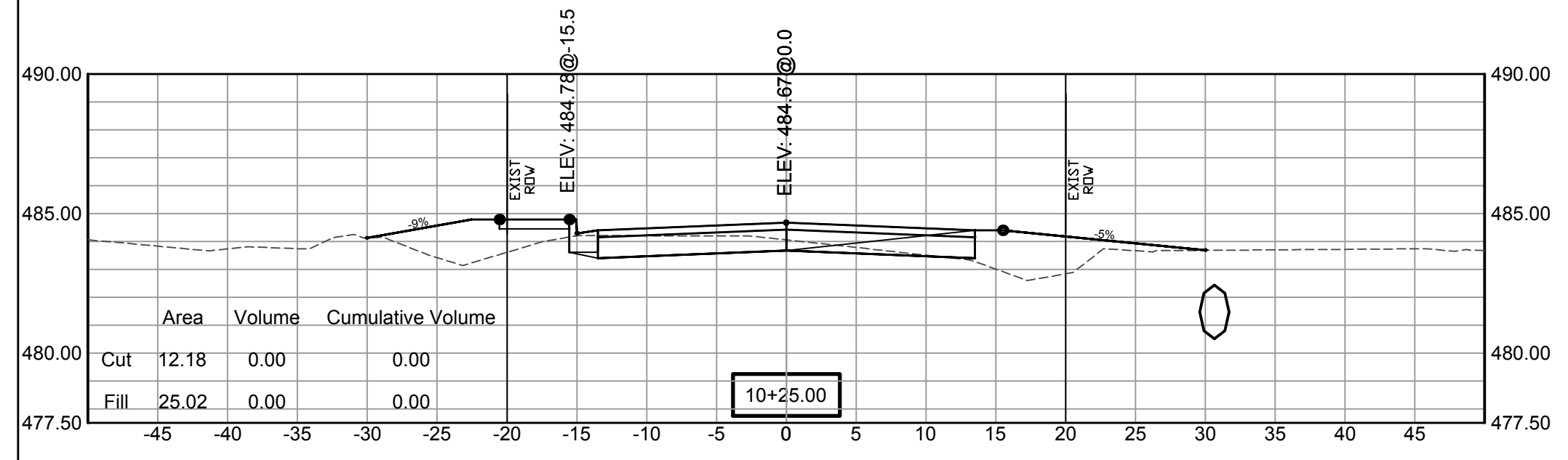
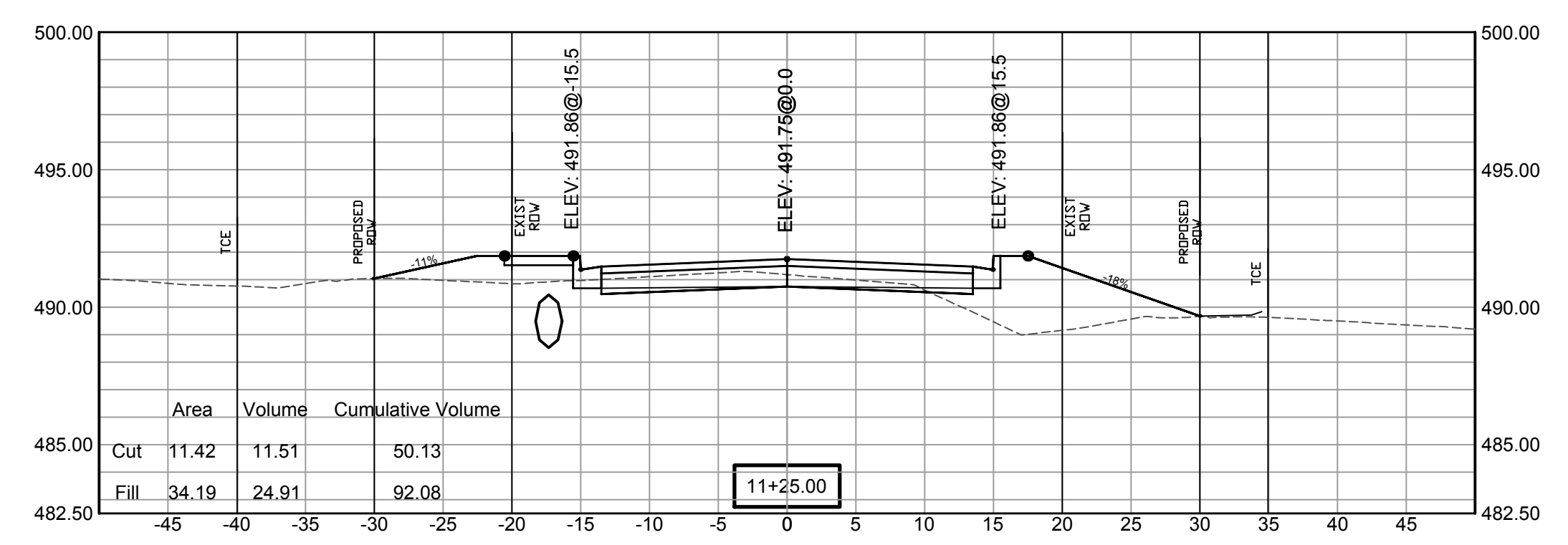
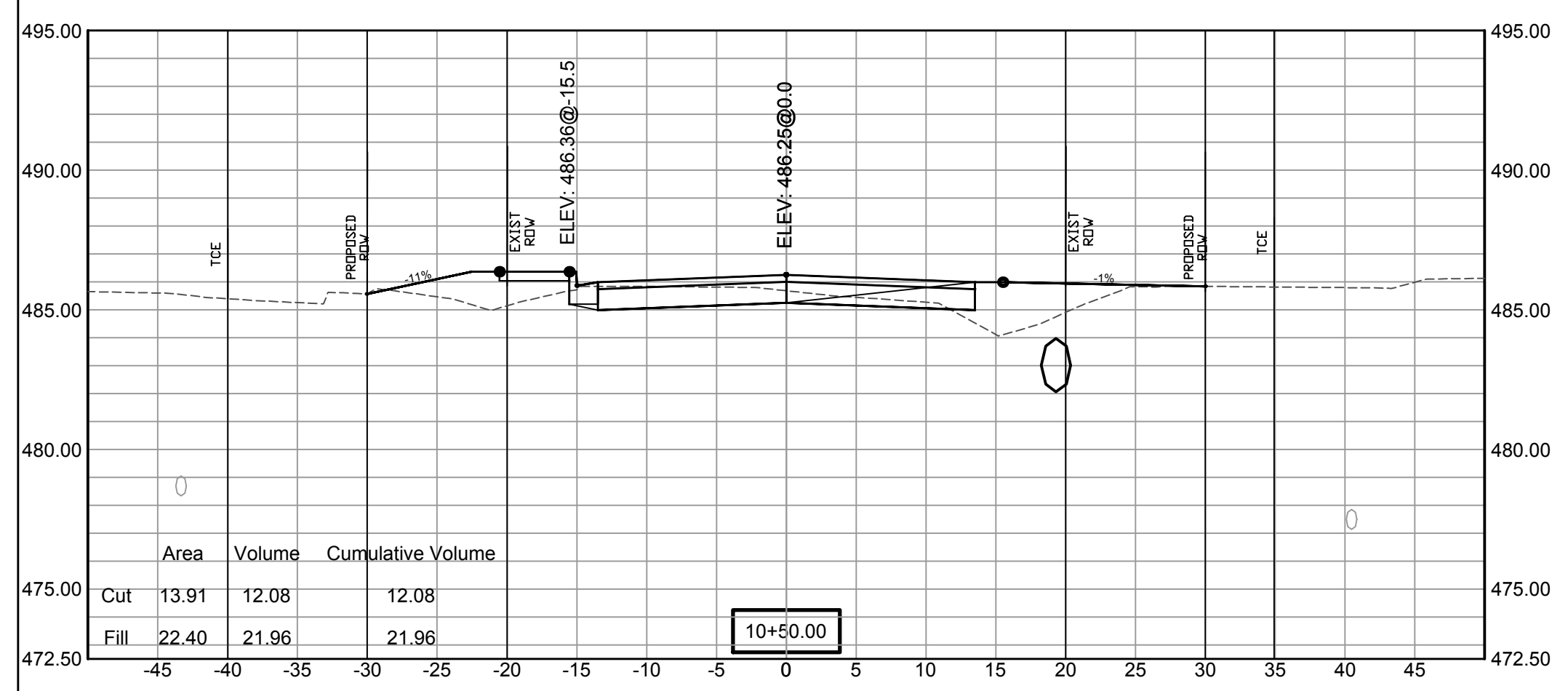
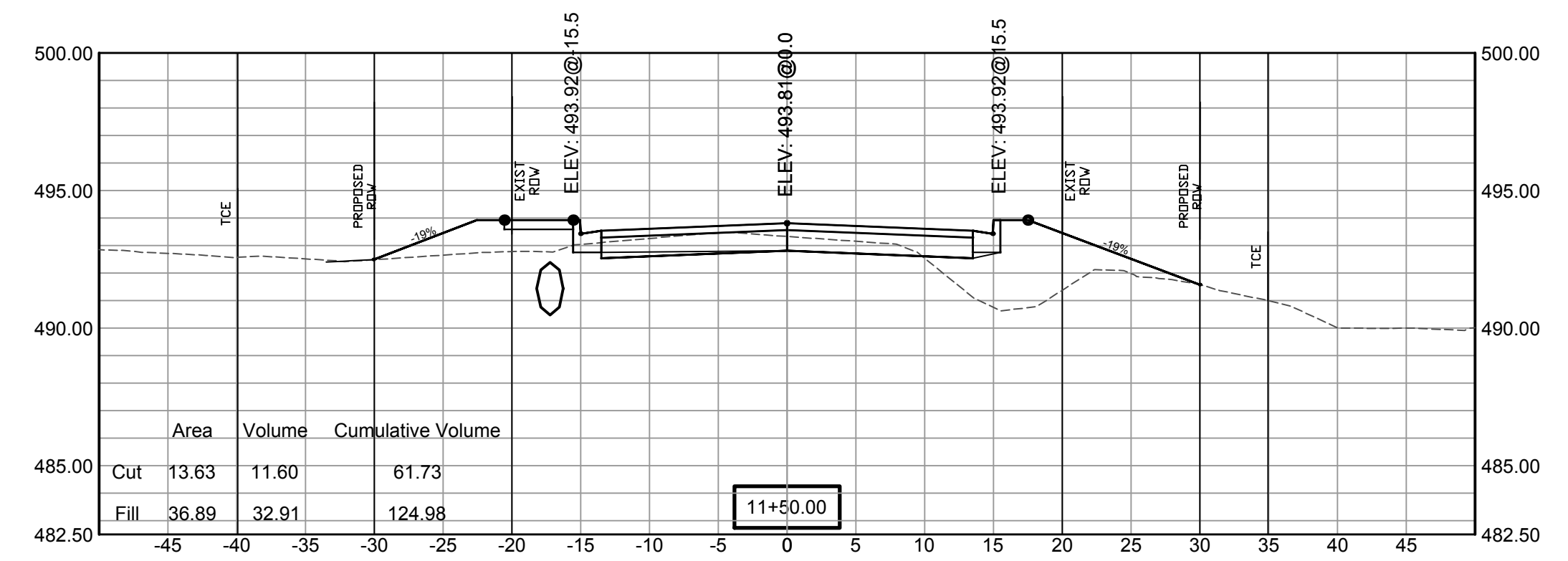
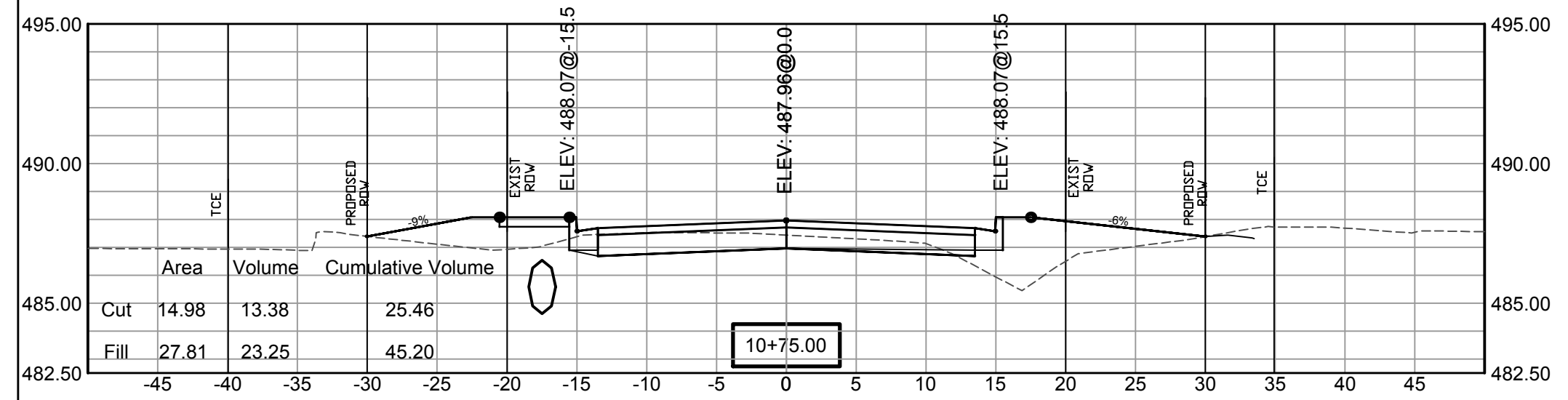
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DATE 2019-11-19
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PROJECT NO. 16-5-ST-15
SHEET NO. C22



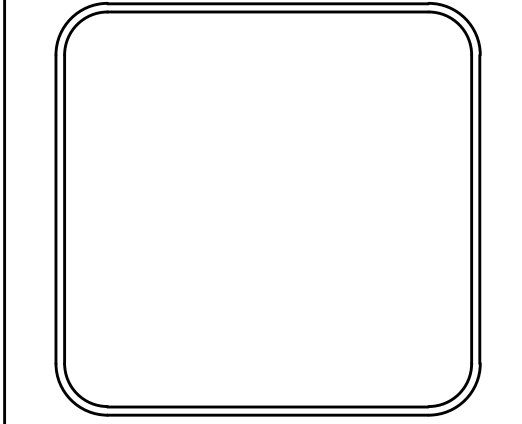
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REVISIONS	DATE

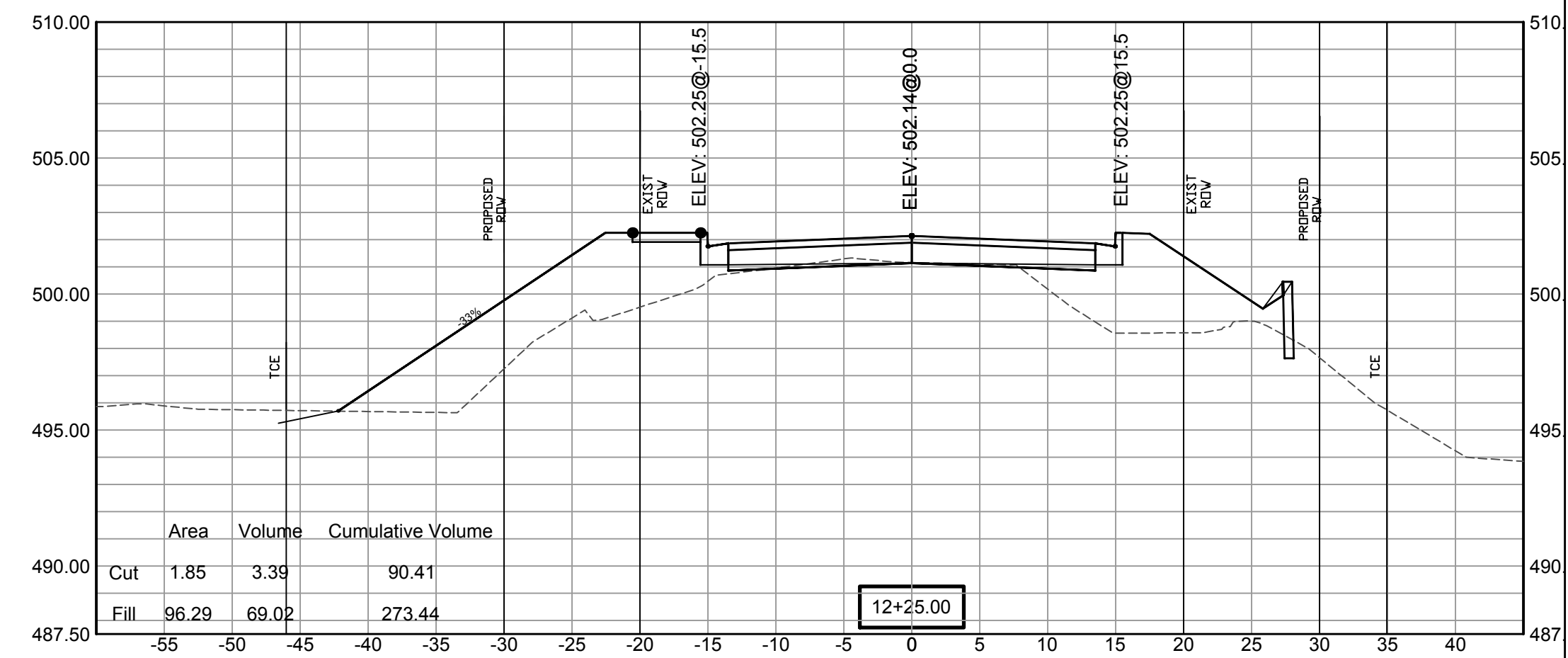
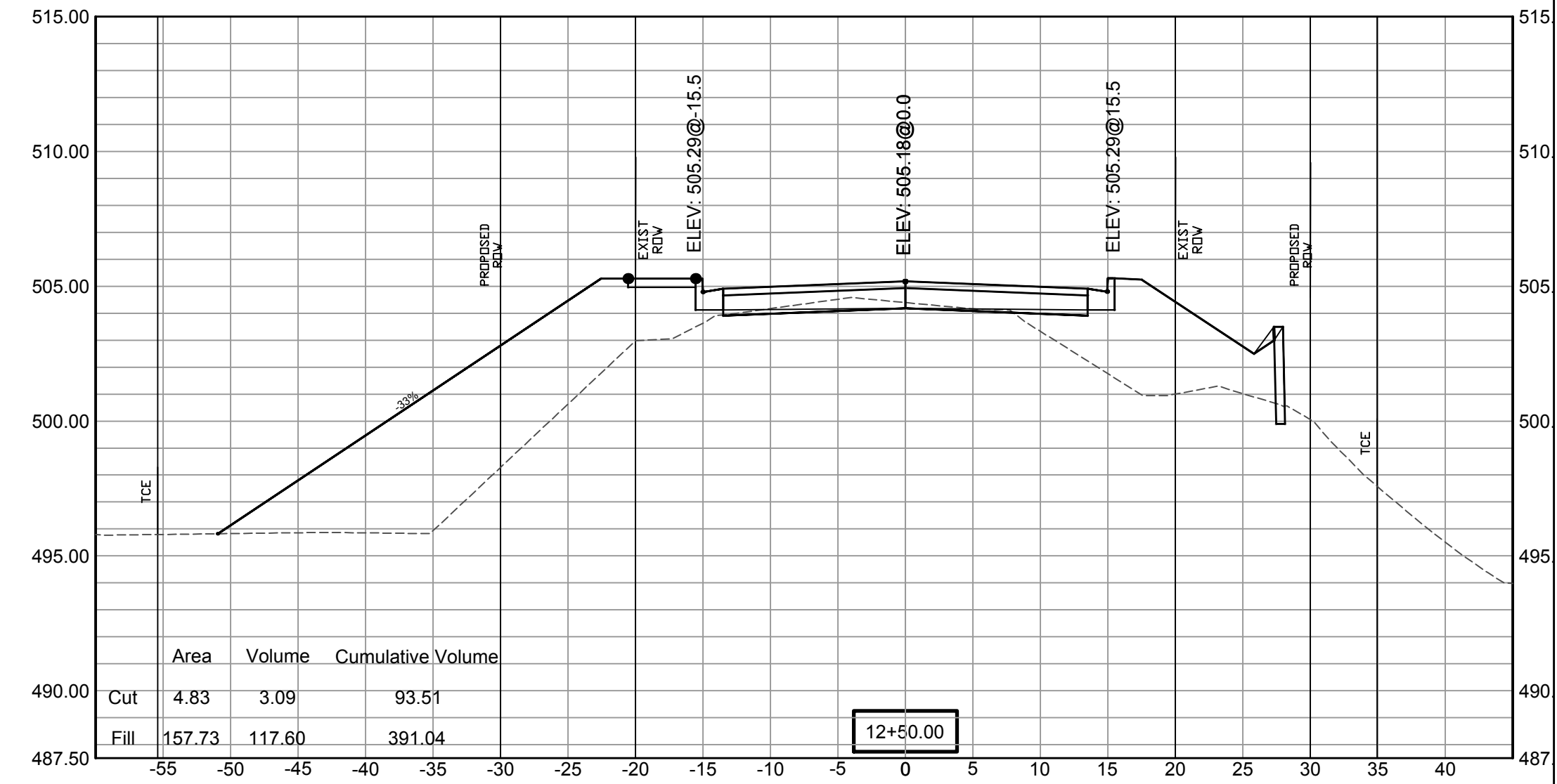
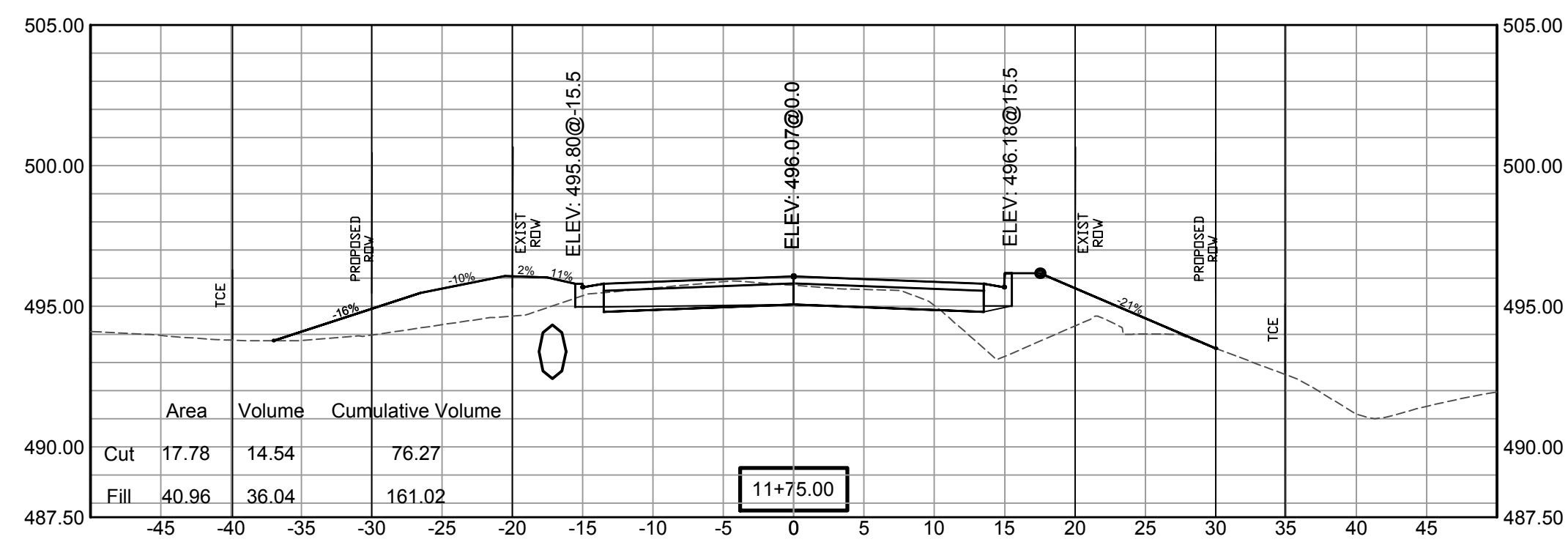
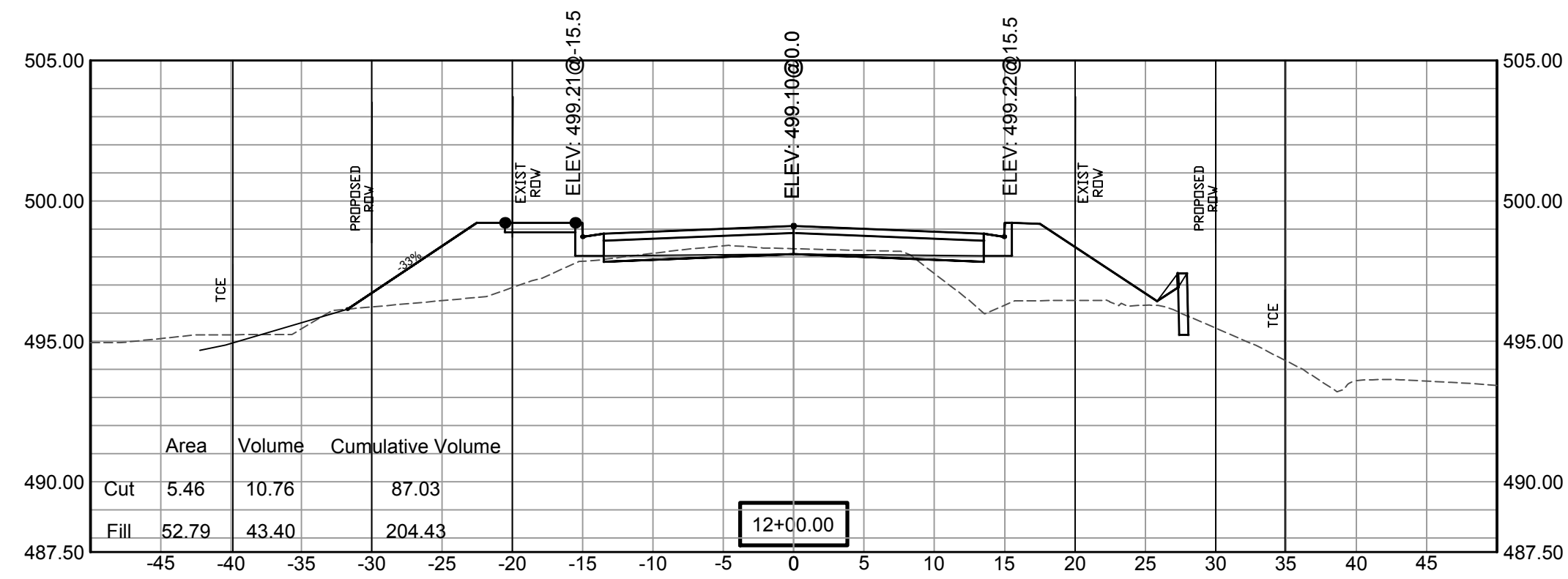
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CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 1

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



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1" = 10'H

REVISIONS	DATE

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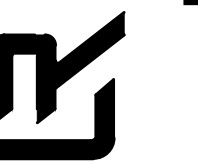
CITY OF LITTLE ROCK, ARKANSAS

GAMBLE RD

CROSS SECTION 2



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2019-11-19
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PROJECT NO.
16-5-ST-15

SHEET NO.
C24

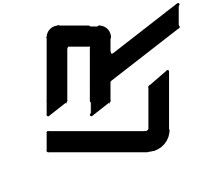
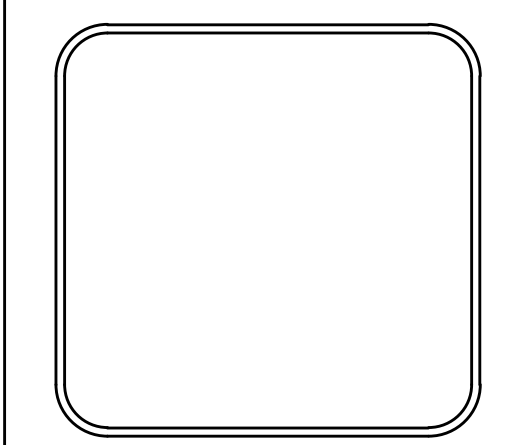
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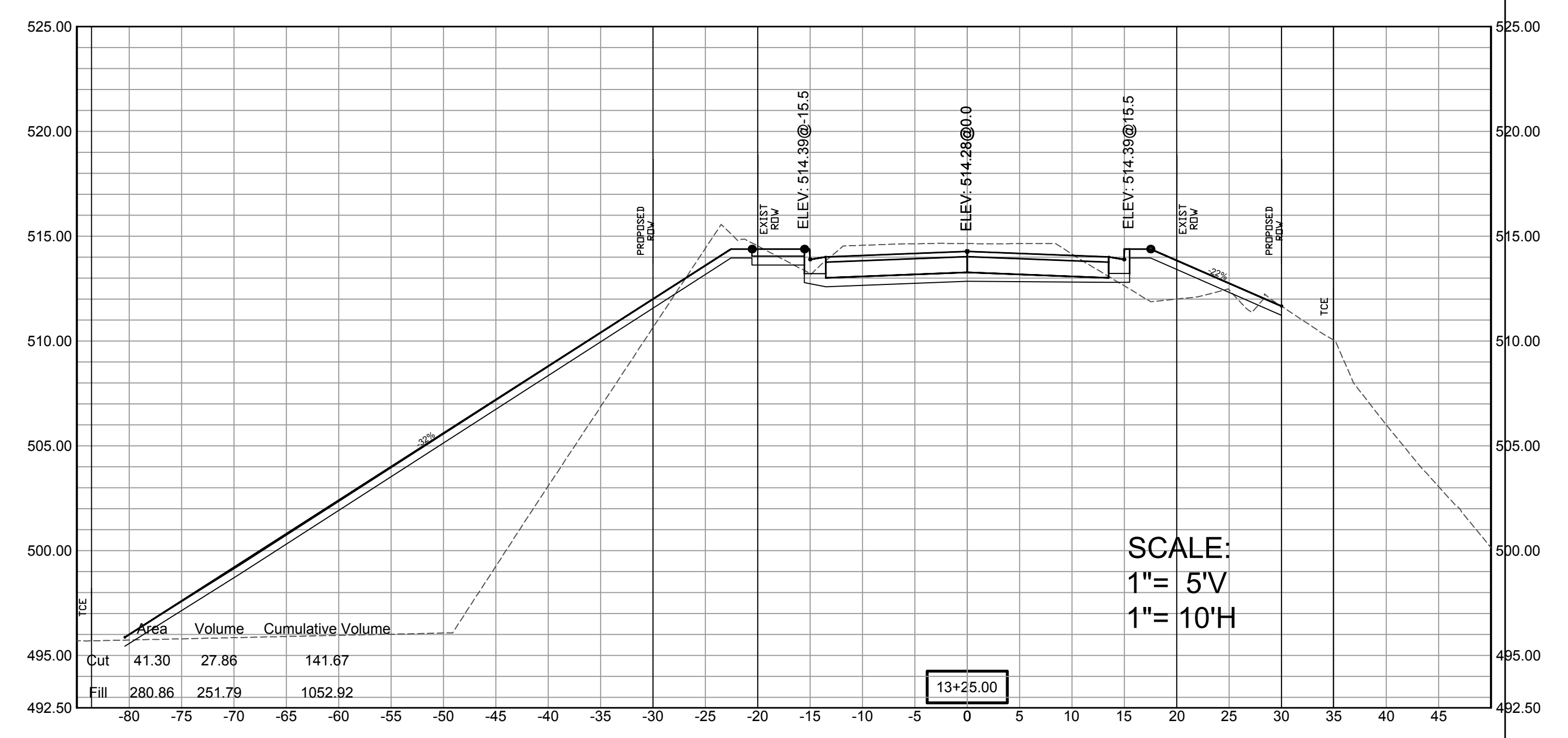
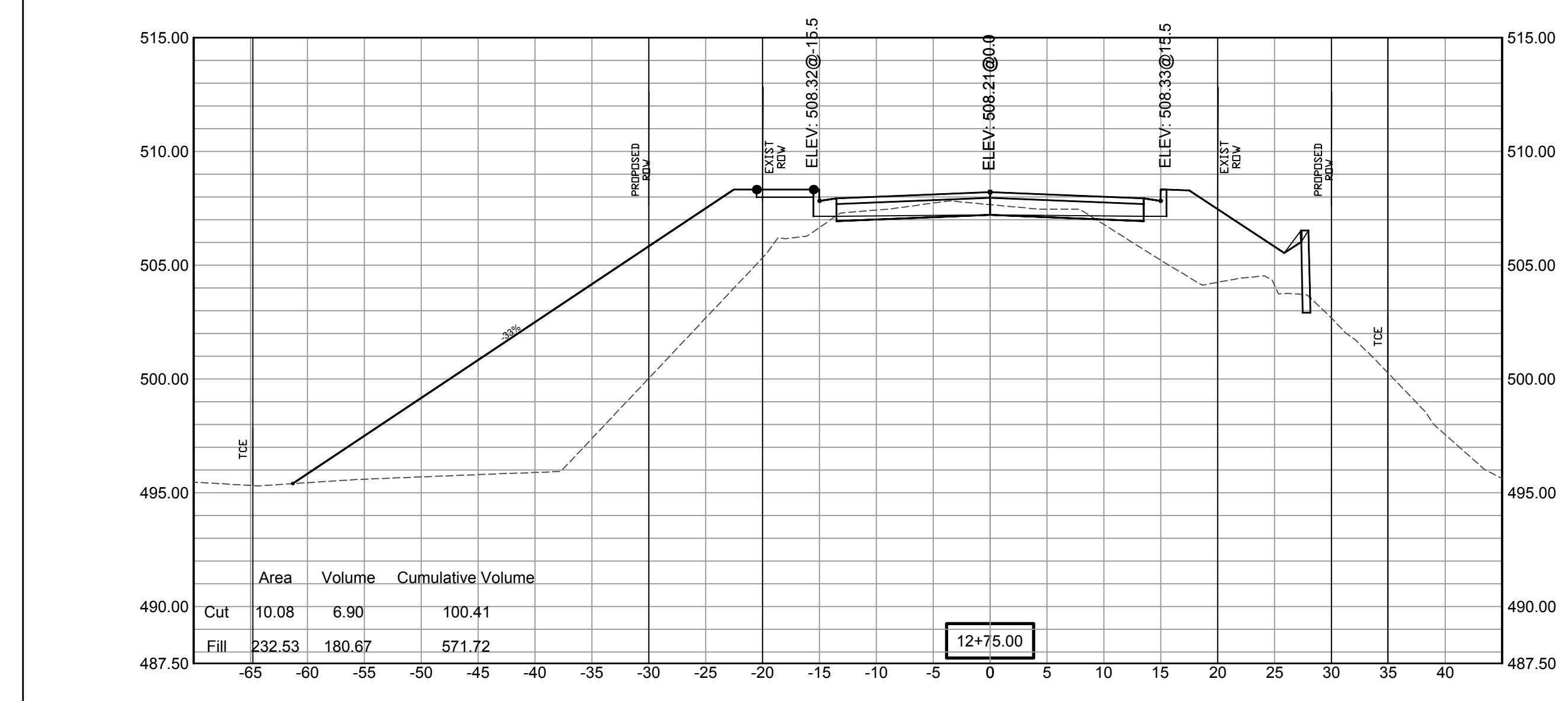
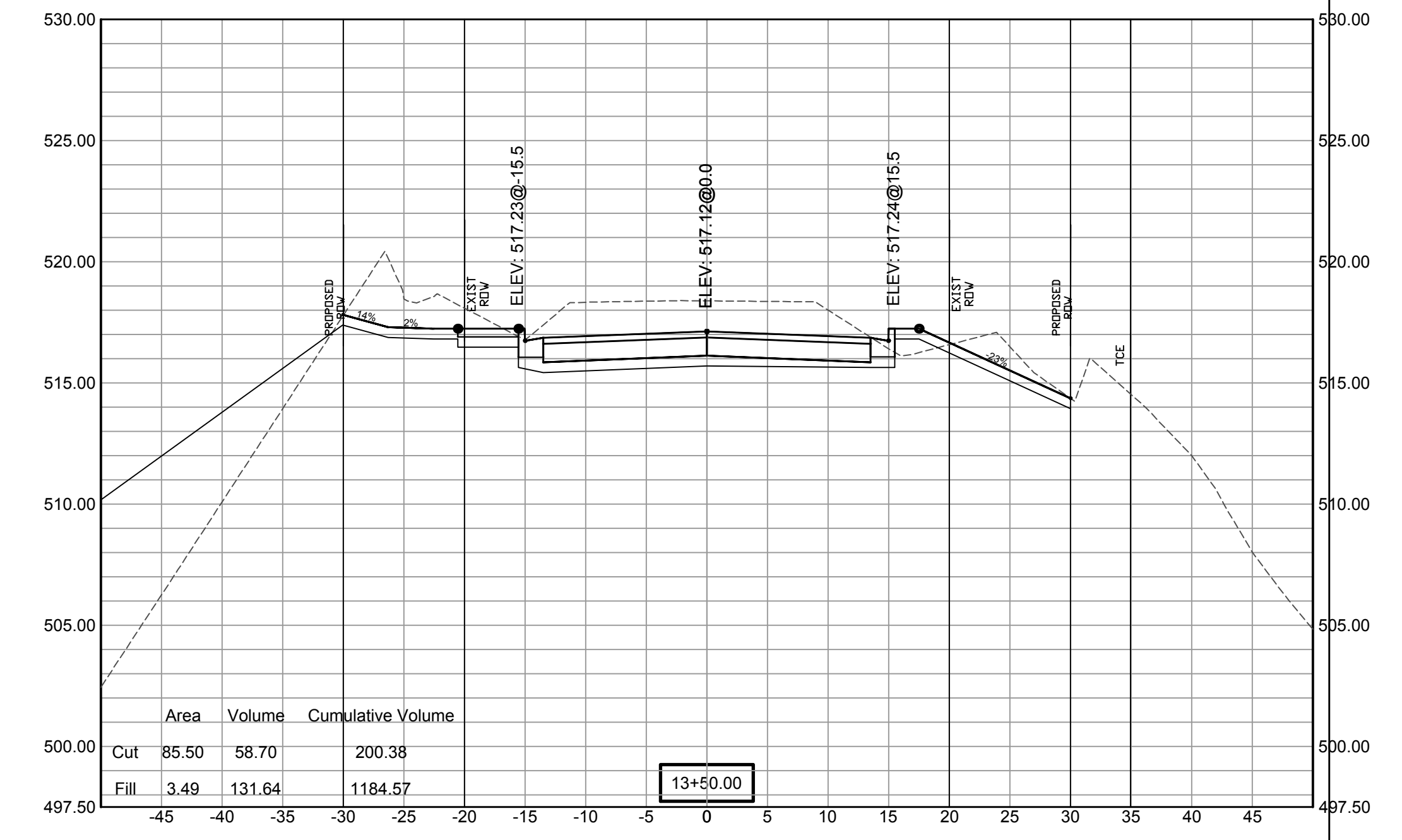
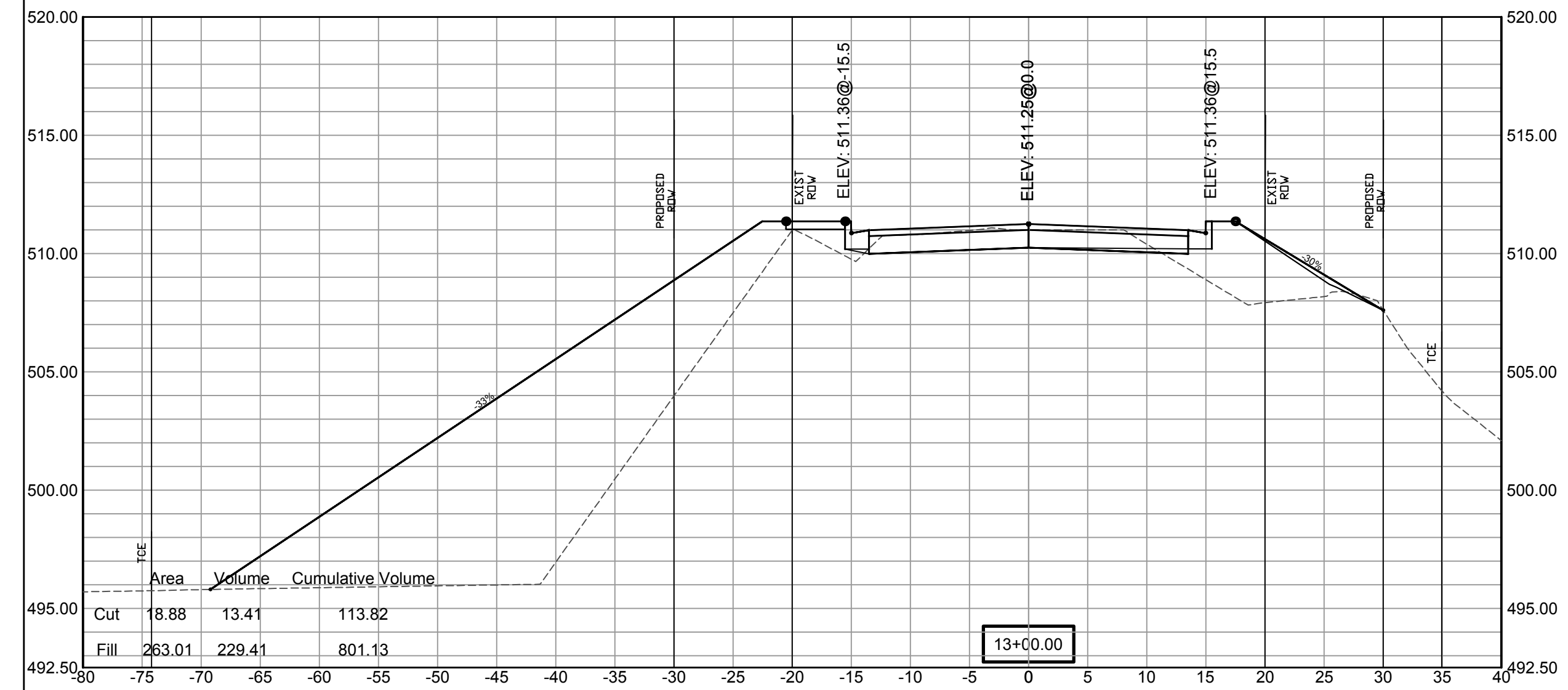
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 3



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

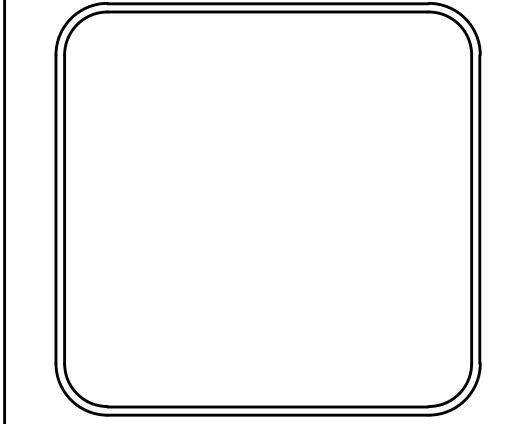


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CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
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701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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ZR

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RH

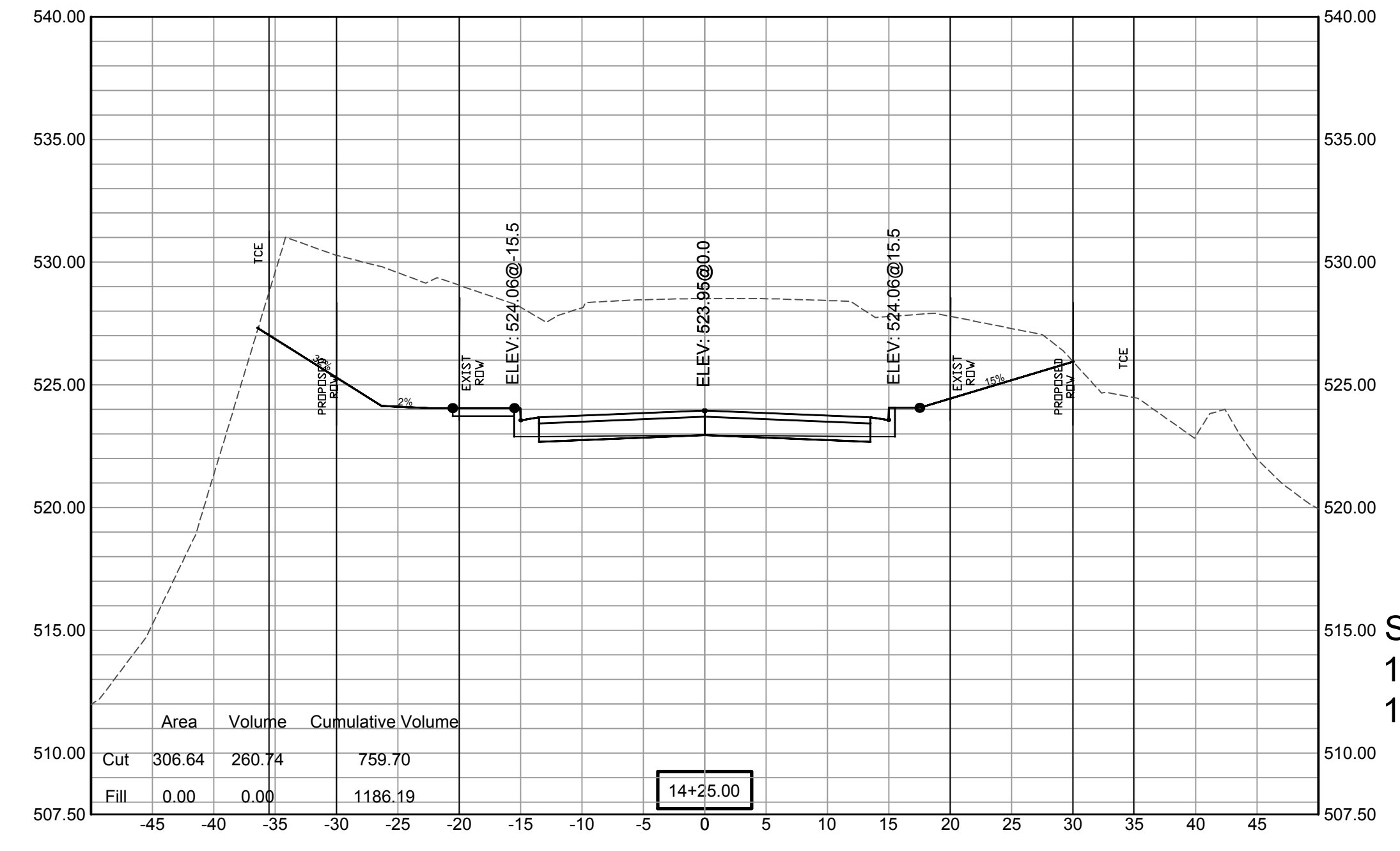
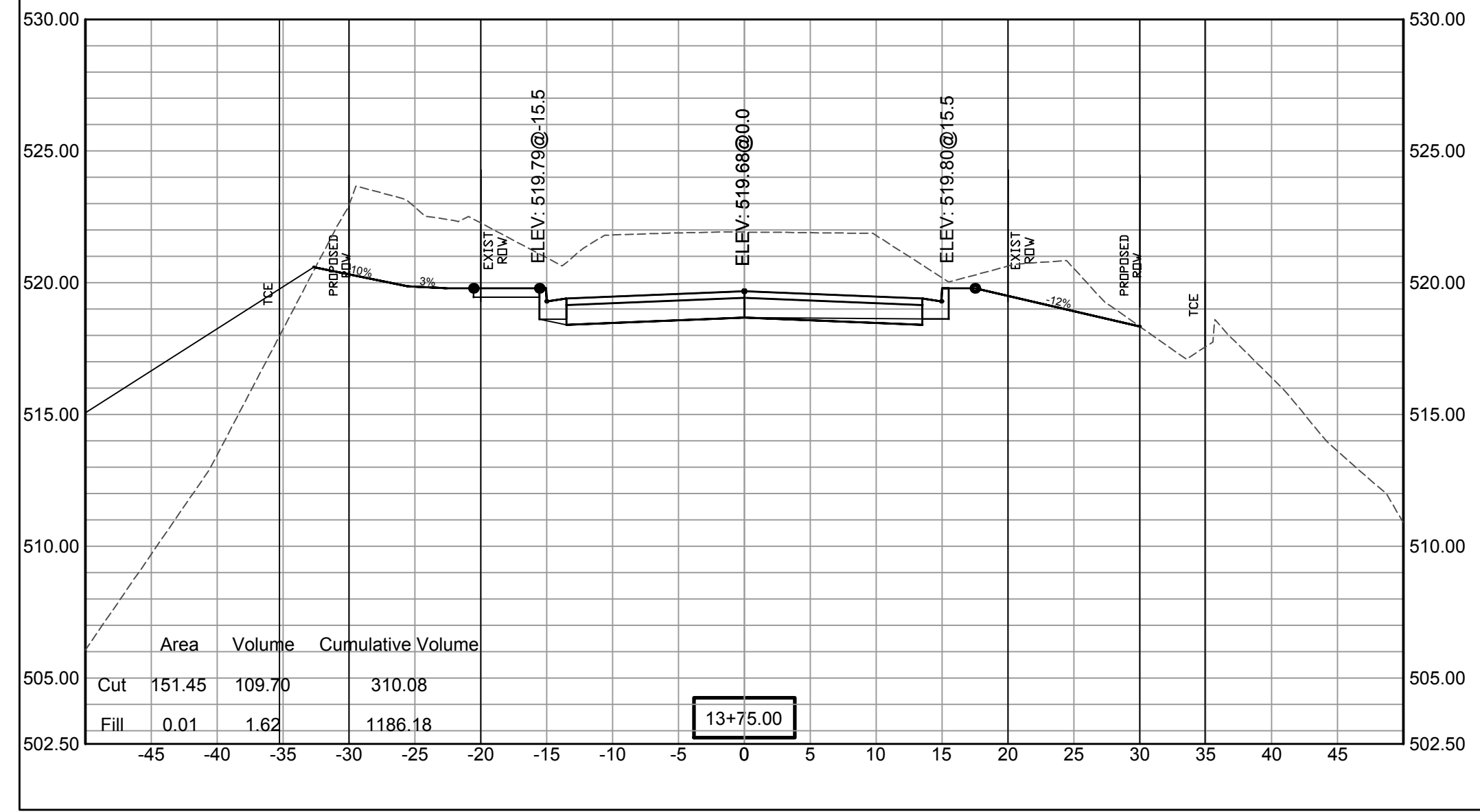
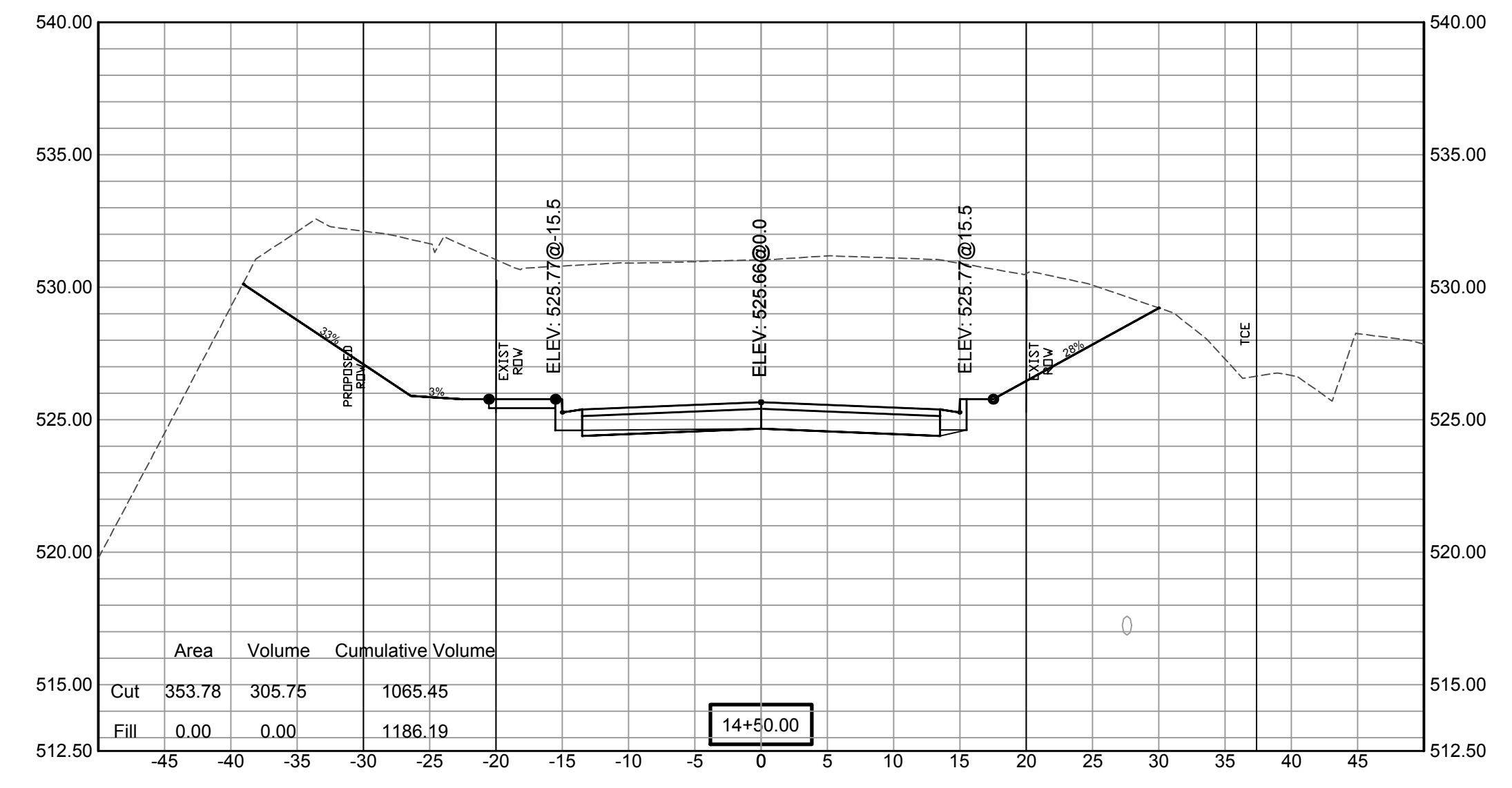
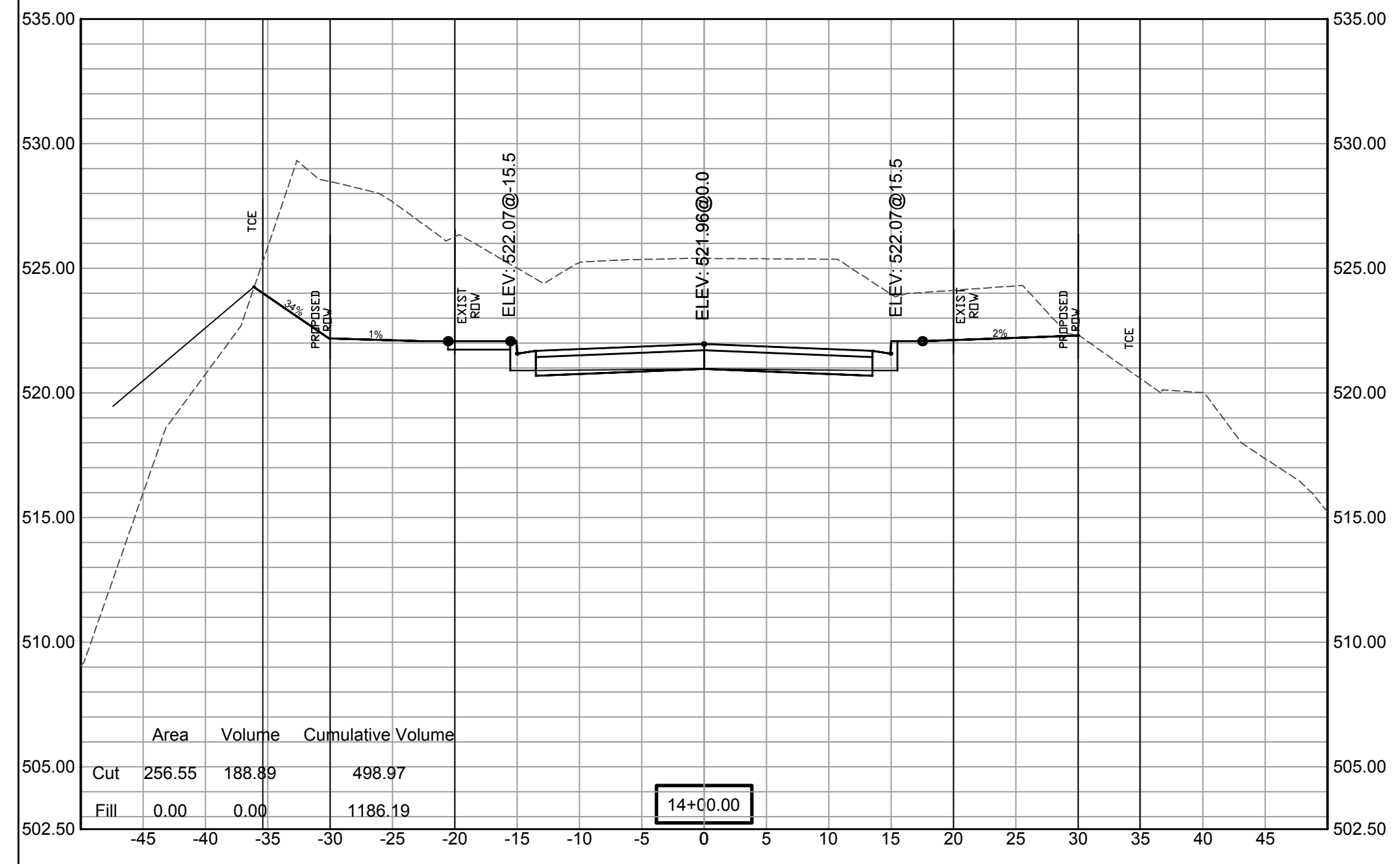
CHECKED
RH

DATE
2019-11-19

SCALE
AS NOTED

PROJECT NO.
16-5-ST-15

SHEET NO.
C26




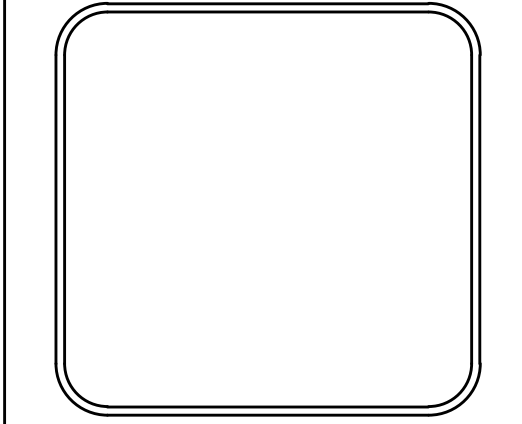
SCALE:
1"= 5'V
1"= 10'H

REVISIONS	DATE

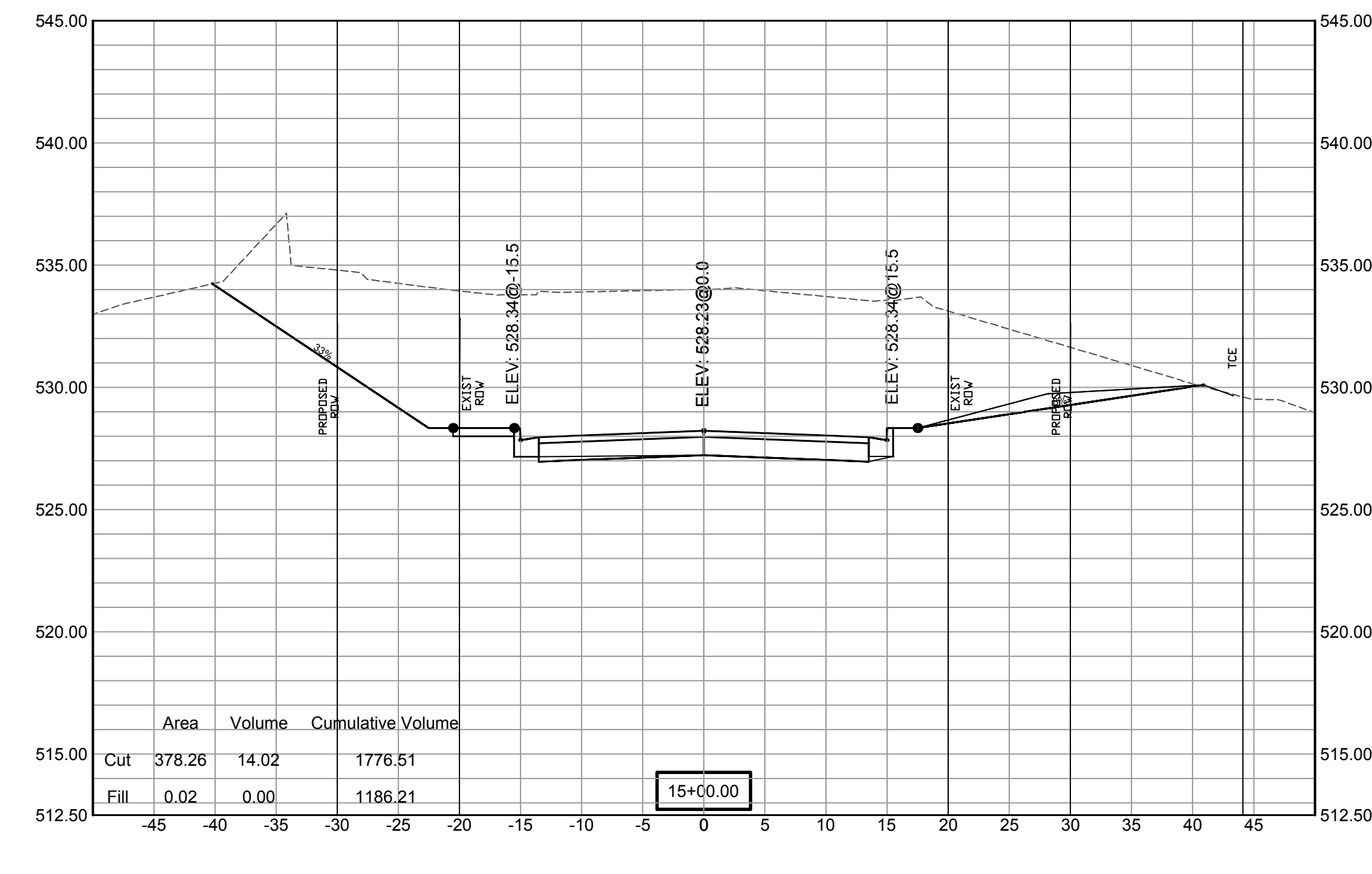
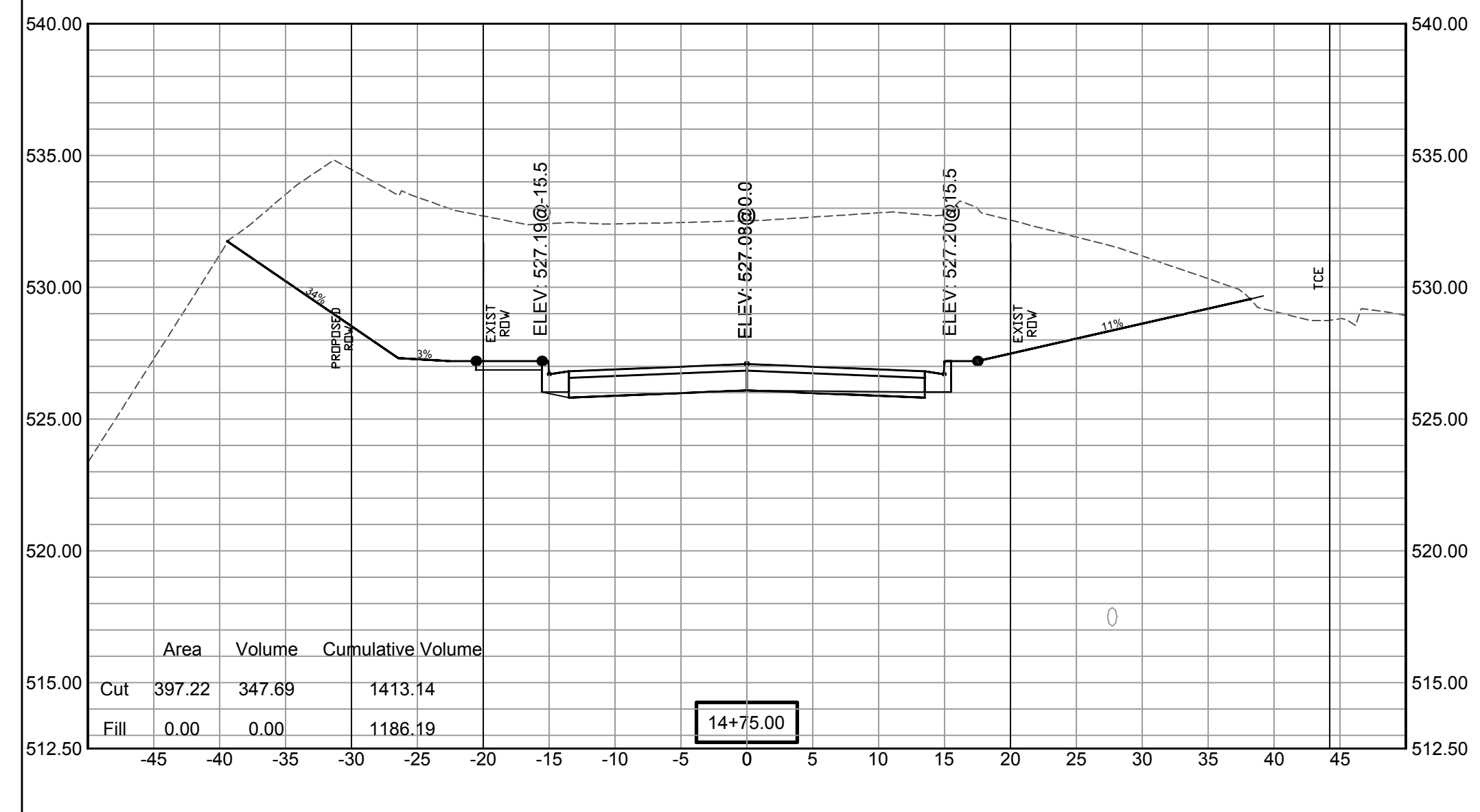
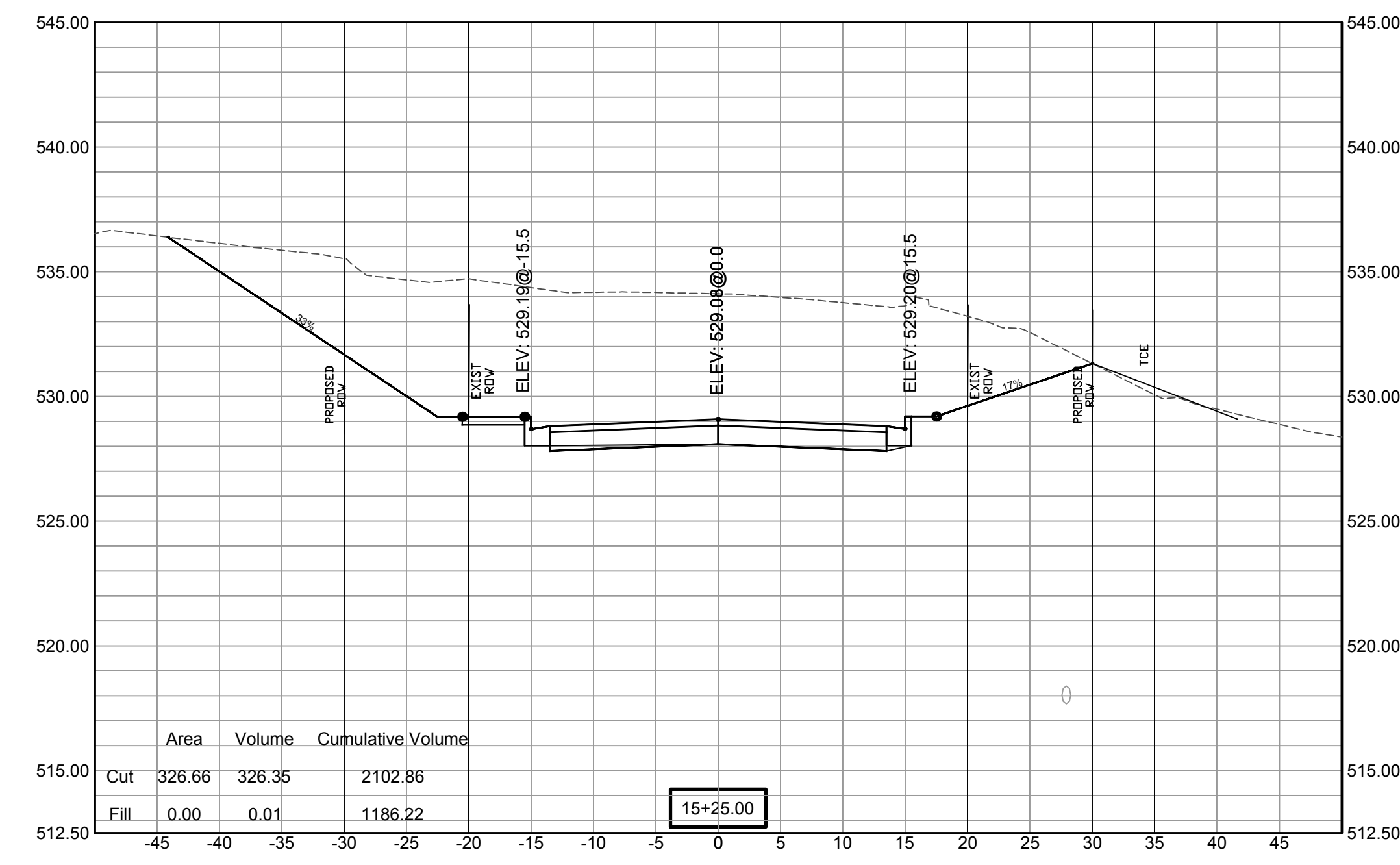
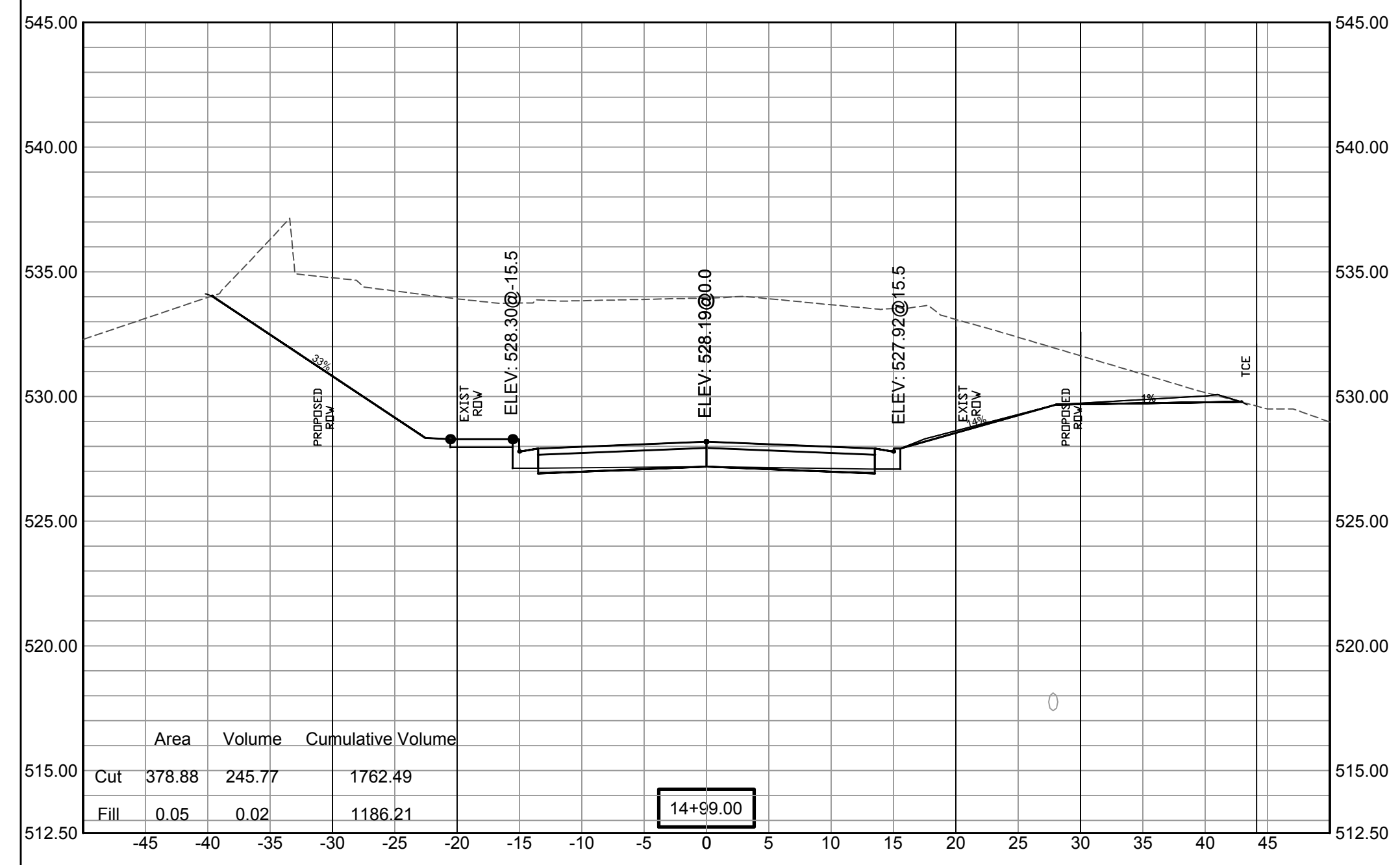
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CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
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CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



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

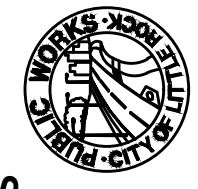


SCALE:
1"= 5'V
1"= 10'H


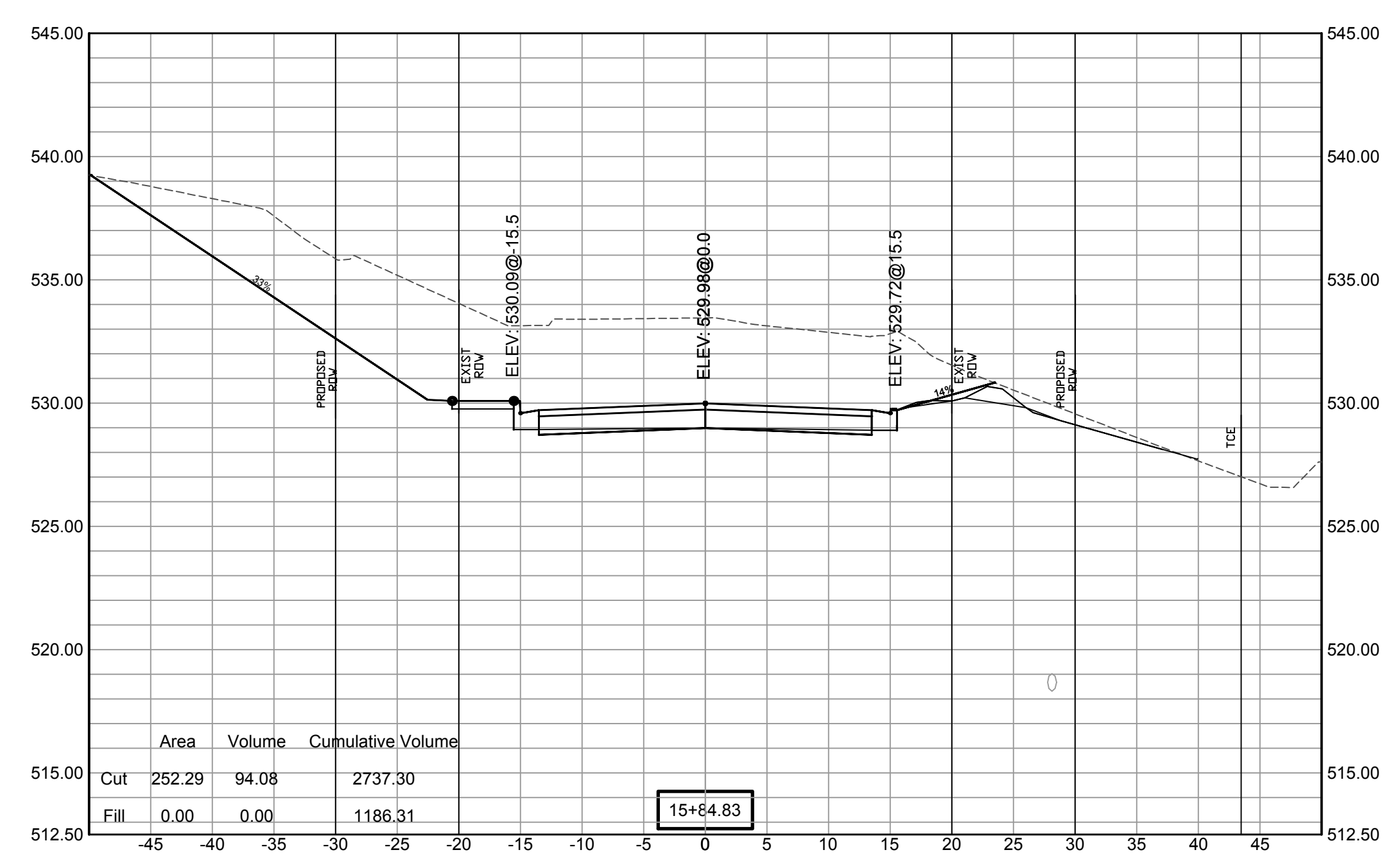
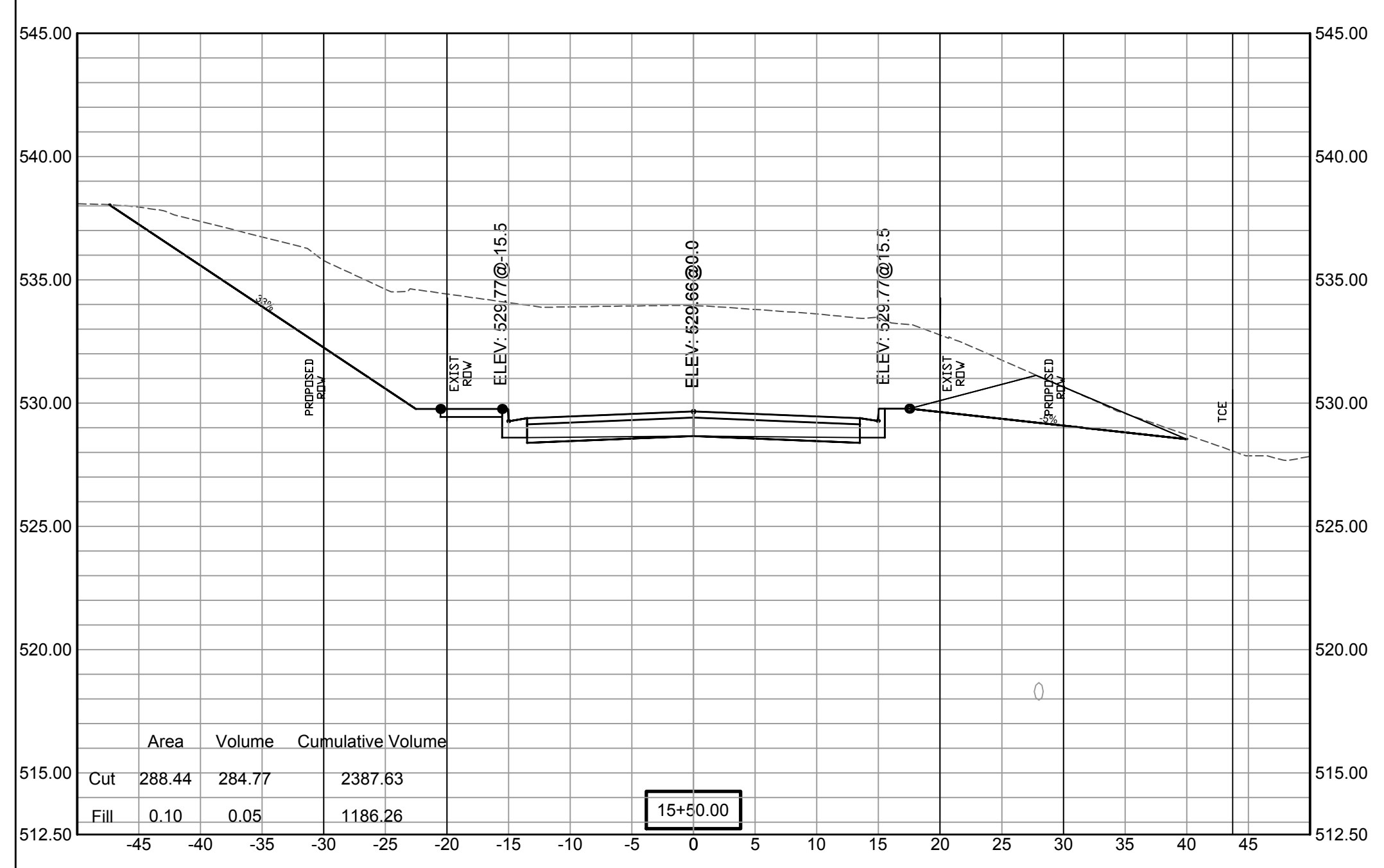
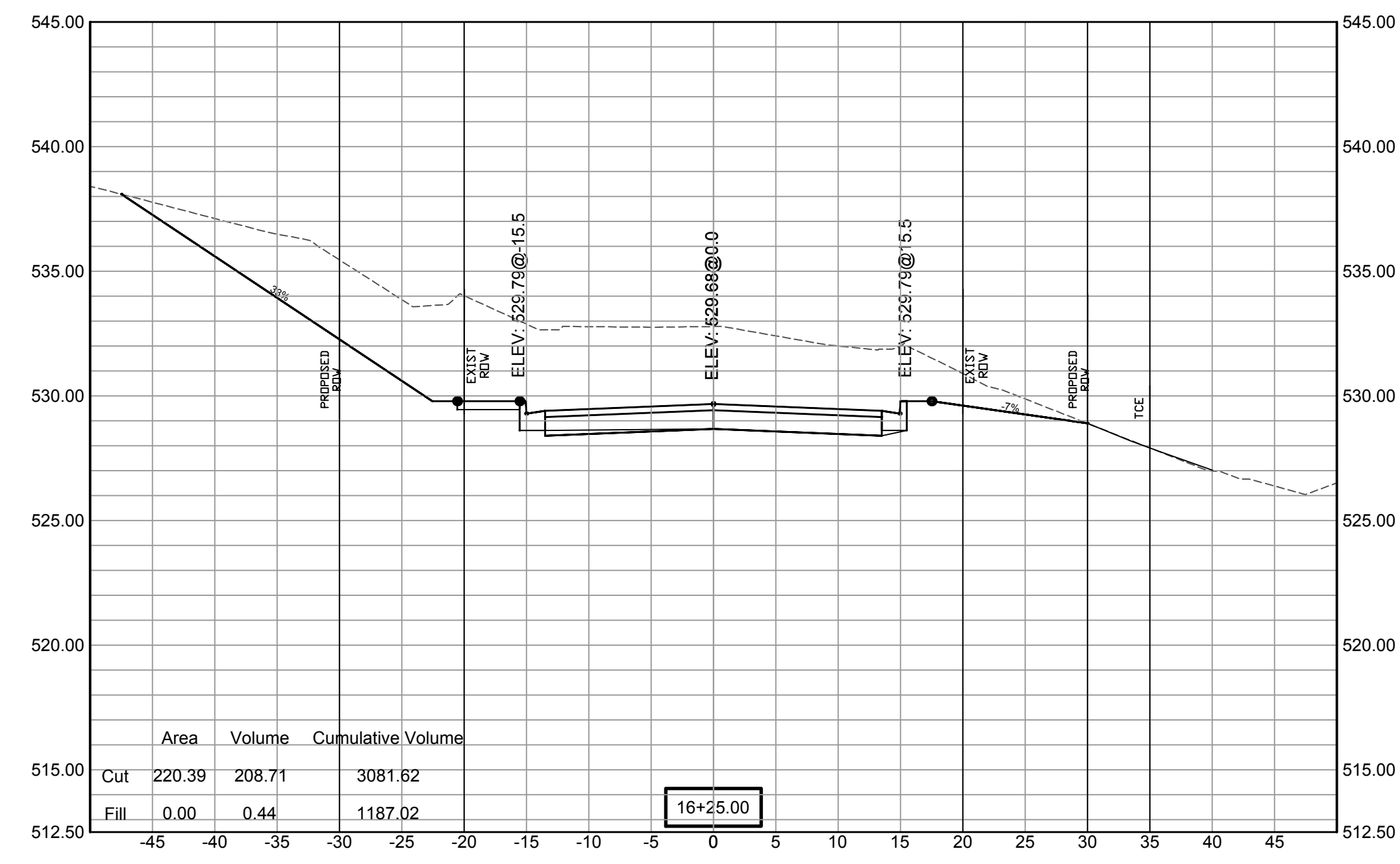
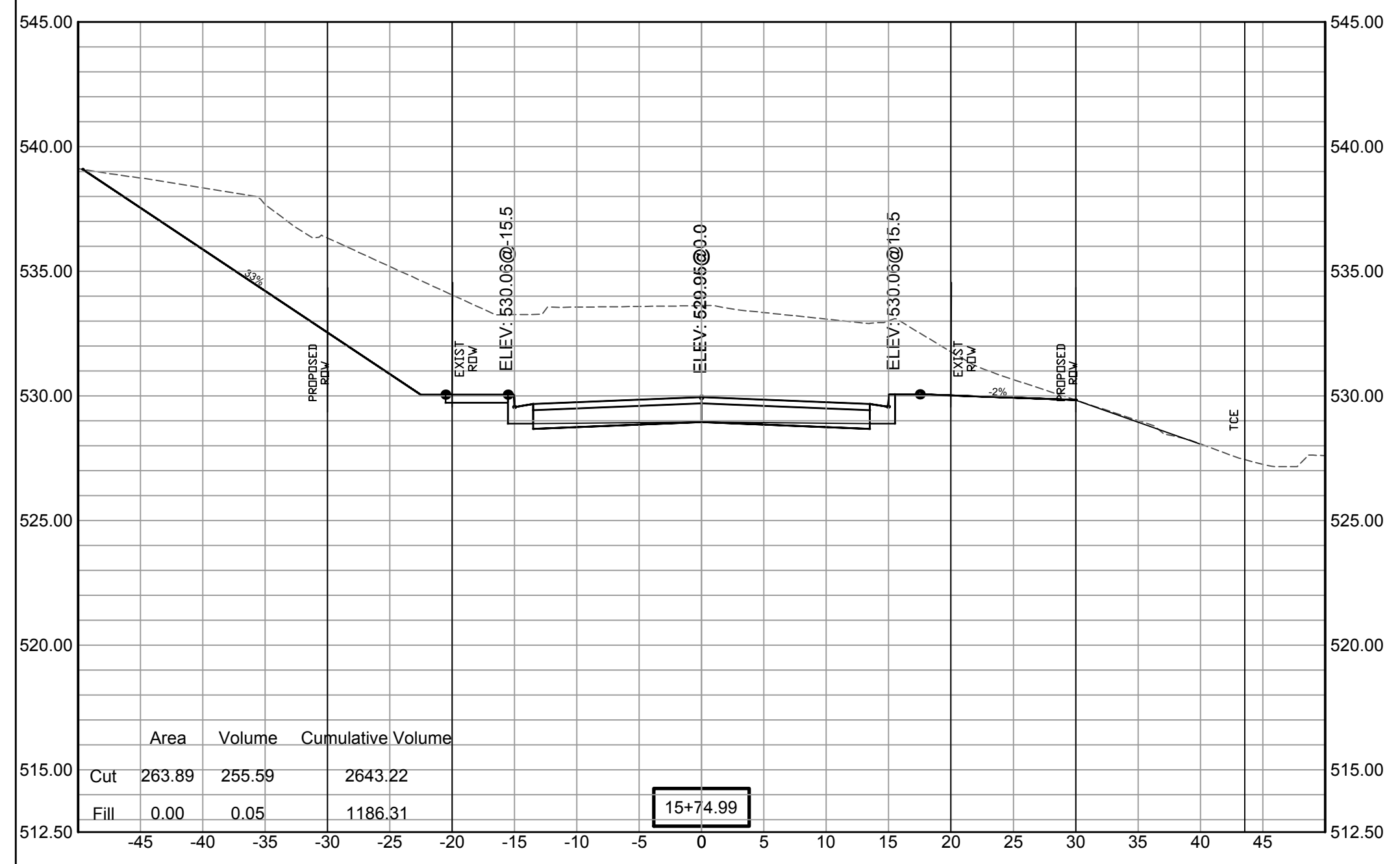
REVISIONS	DATE

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

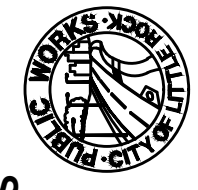
SCALE:
1" = 5'V
1" = 10'H

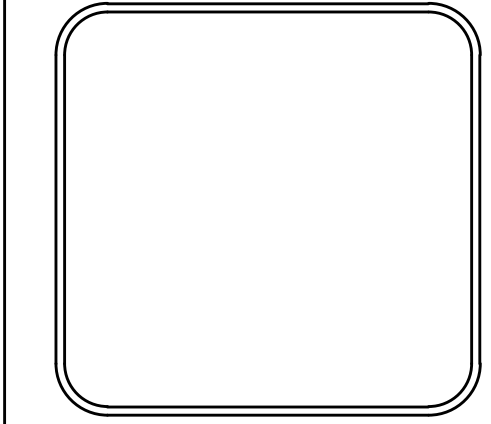
DRAWN BY ZR
DESIGNED RH
CHECKED RH
DATE 2019-11-19
SCALE AS NOTED
PROJECT NO. 16-5-ST-15
SHEET NO. C28

REVISIONS	DATE

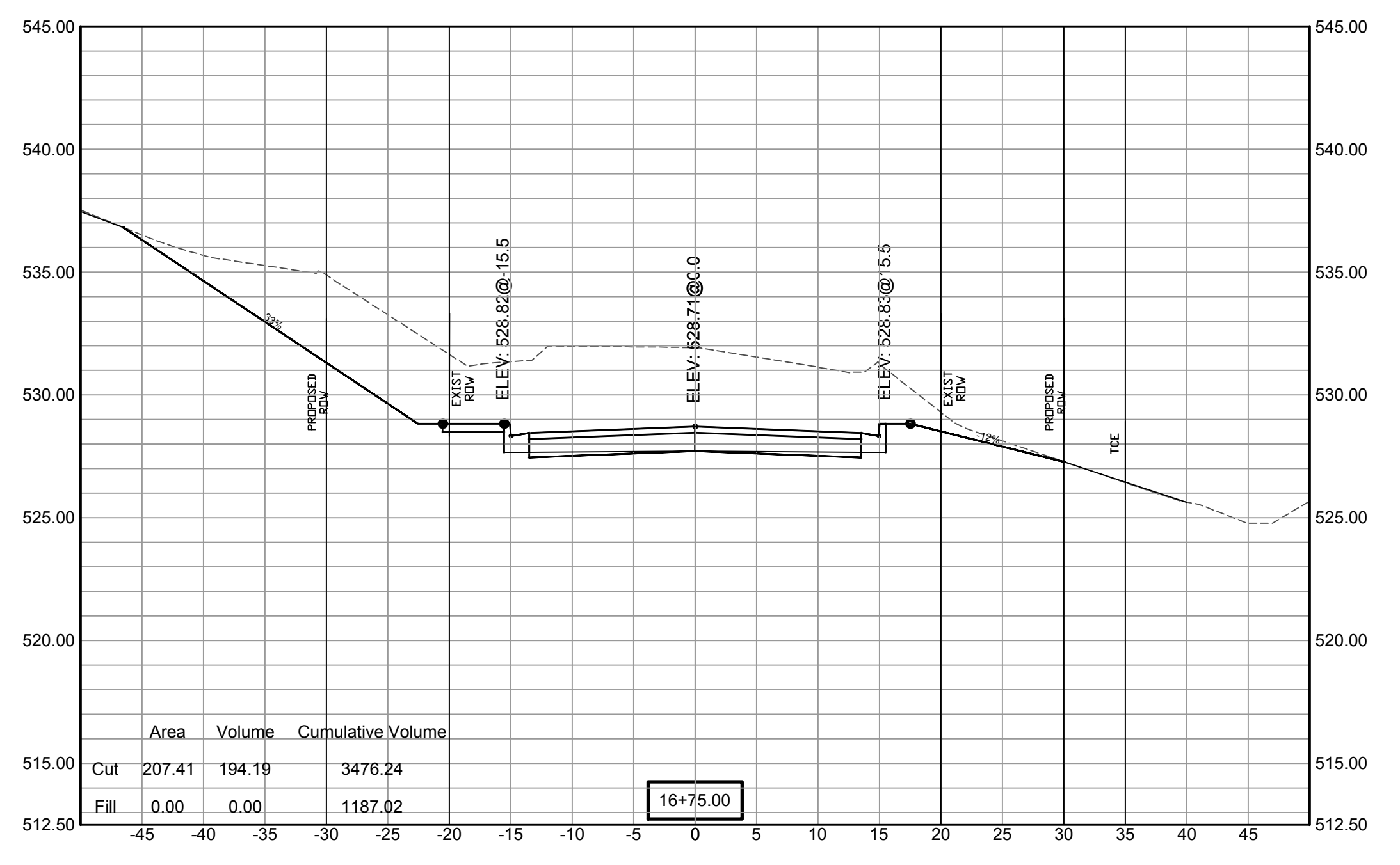
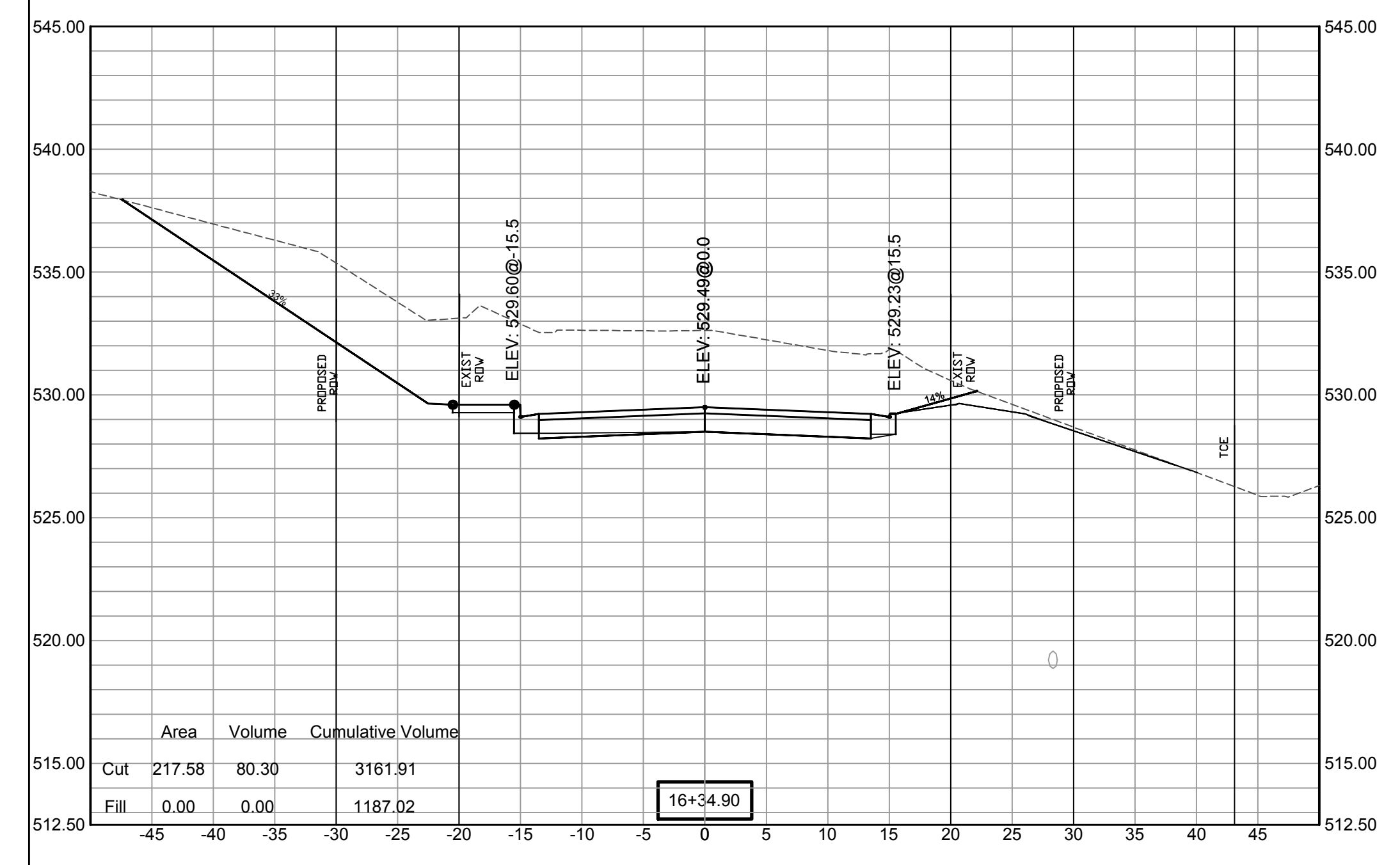
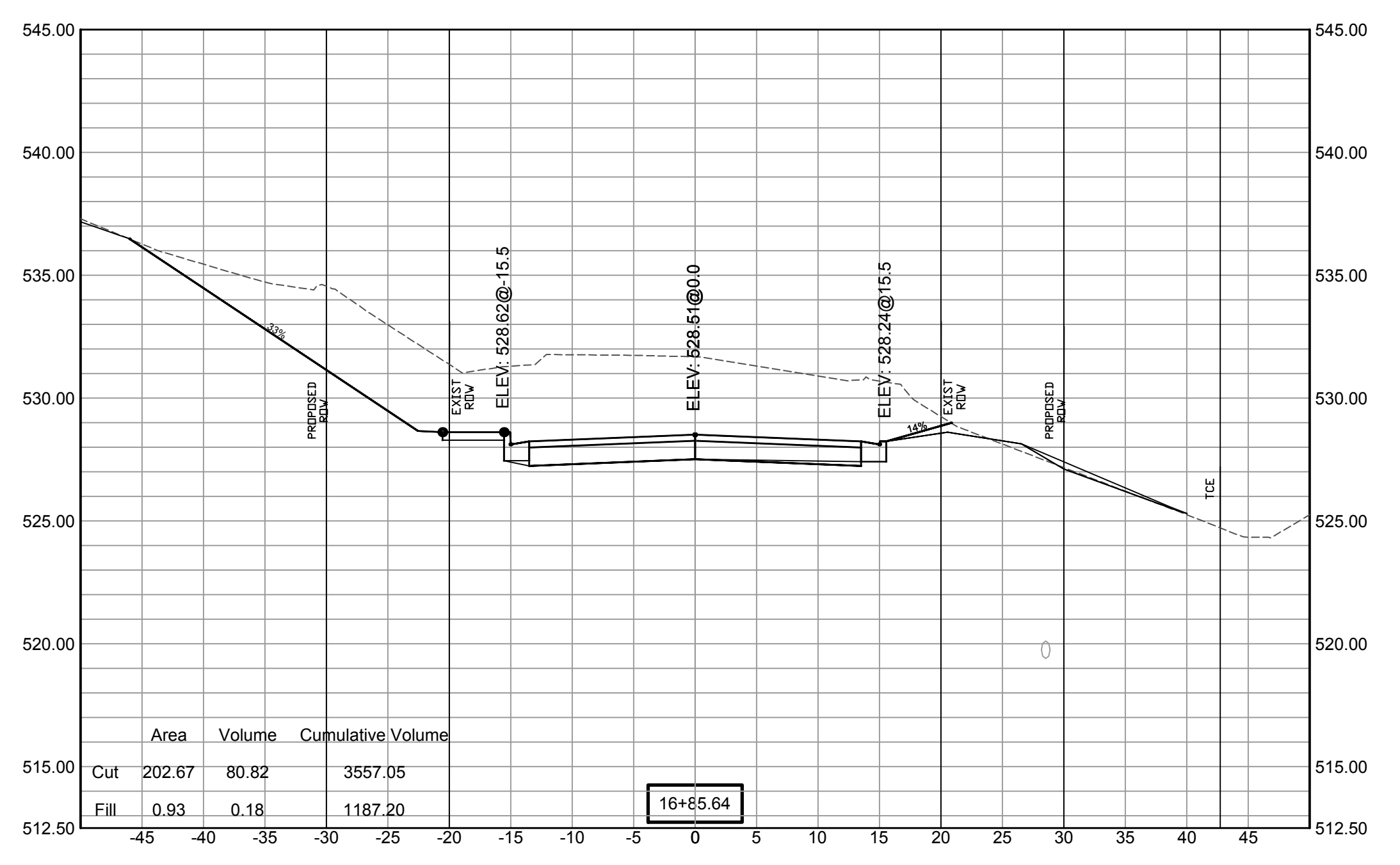
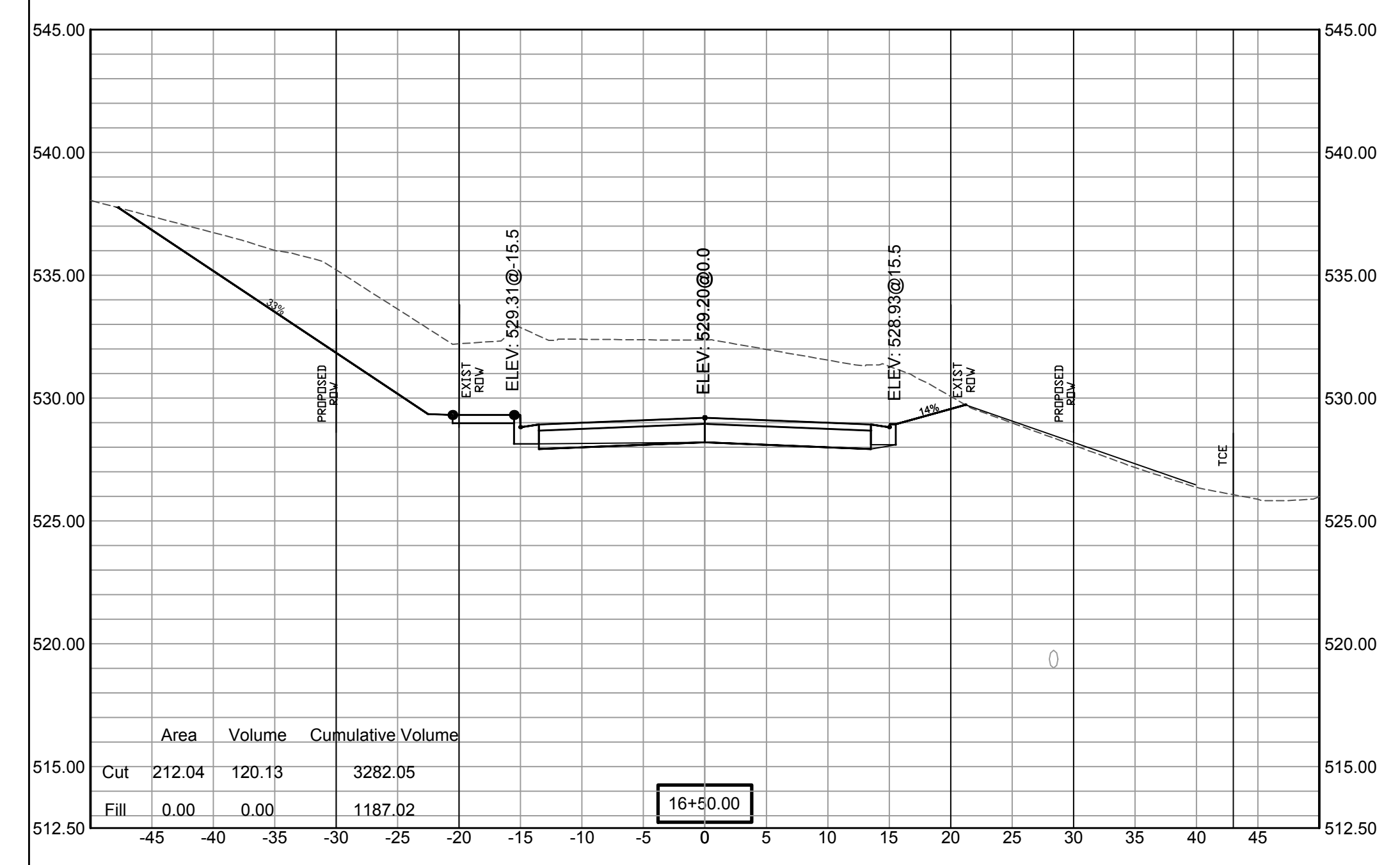
100% SUBMITTAL

CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 7


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



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




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


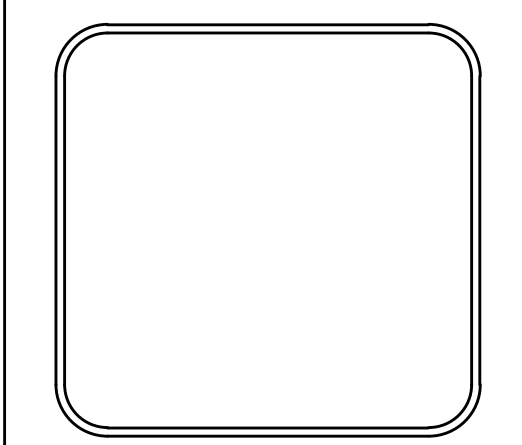
REVISIONS	DATE

100% SUBMITTAL

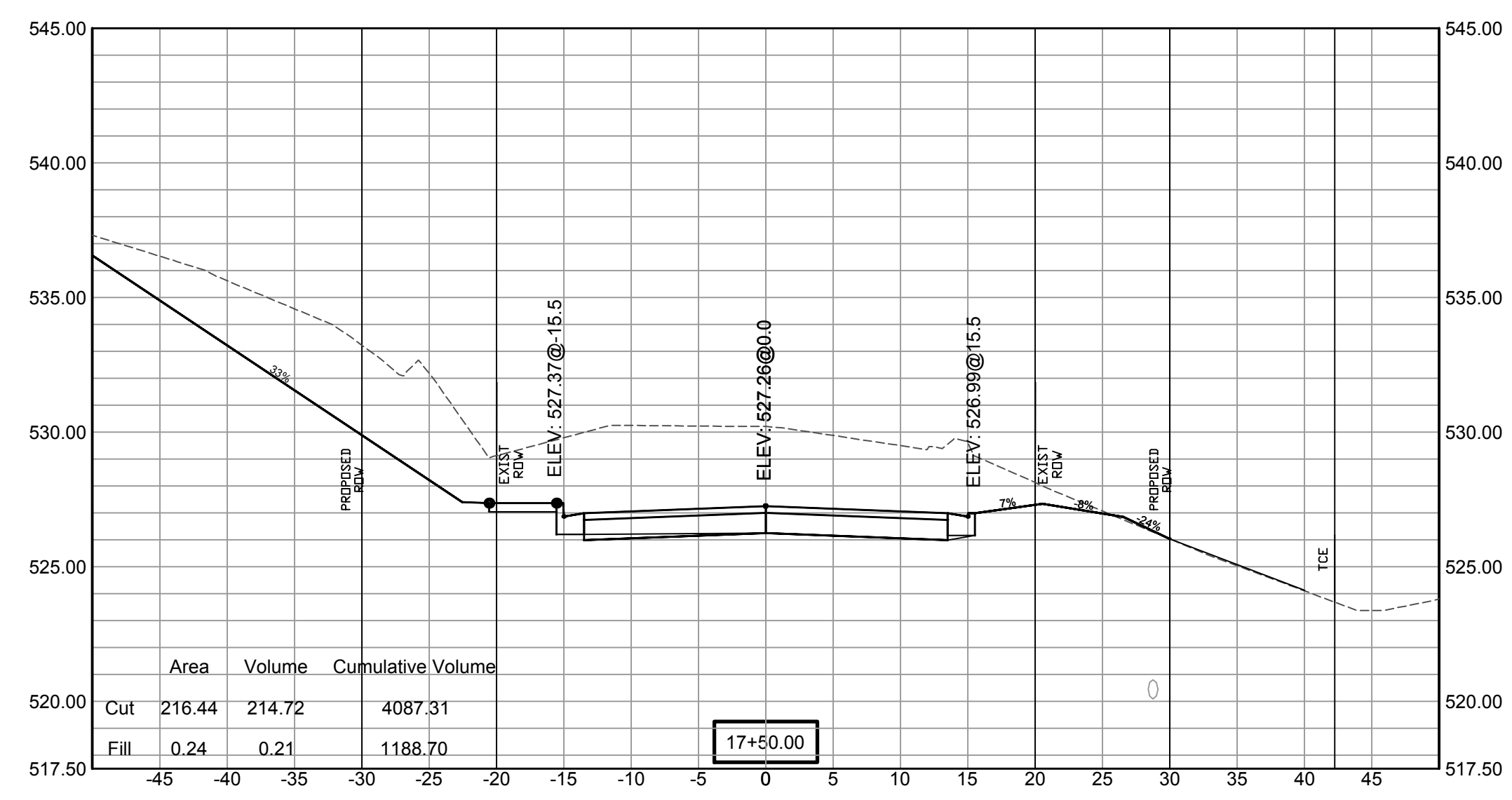
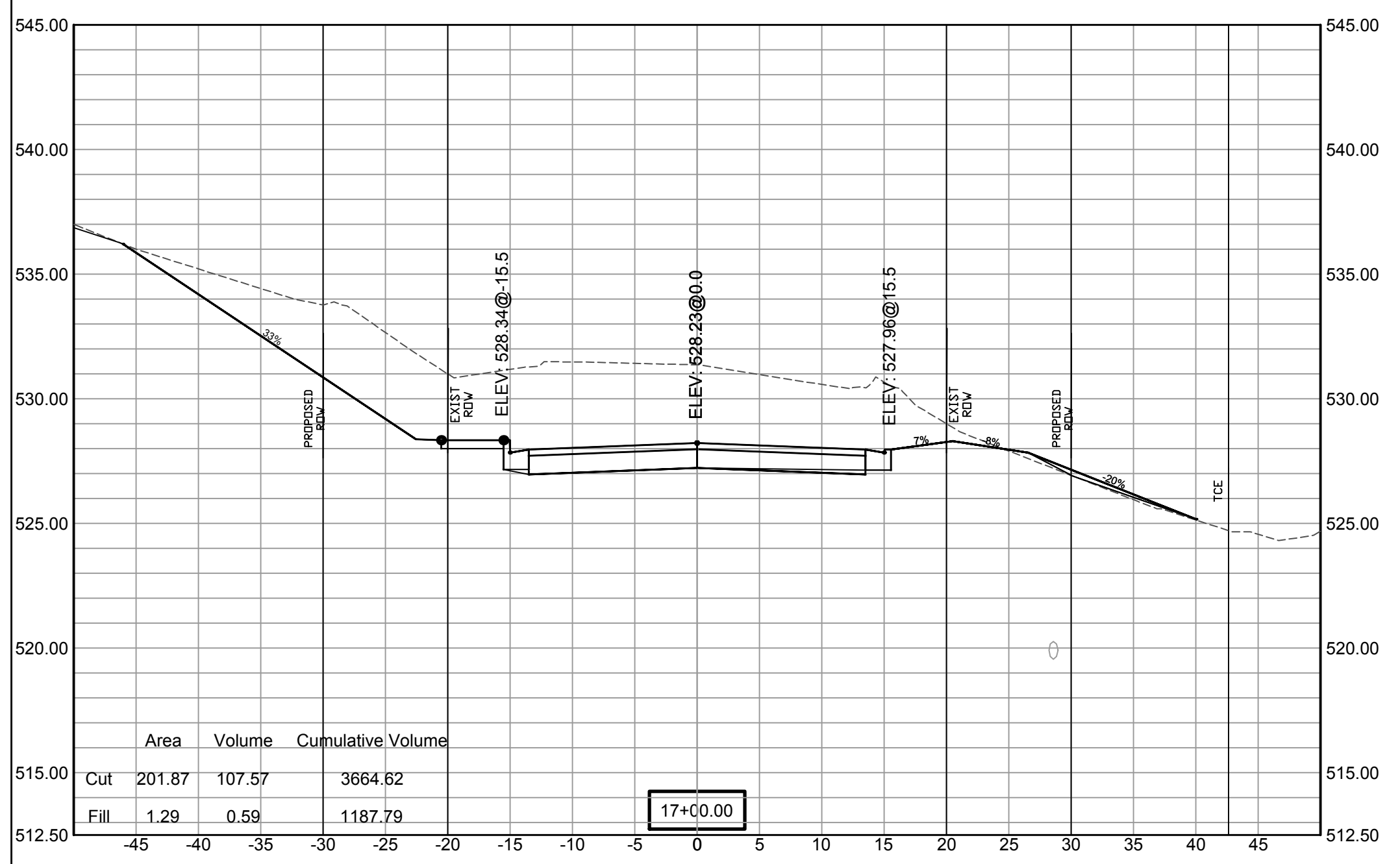
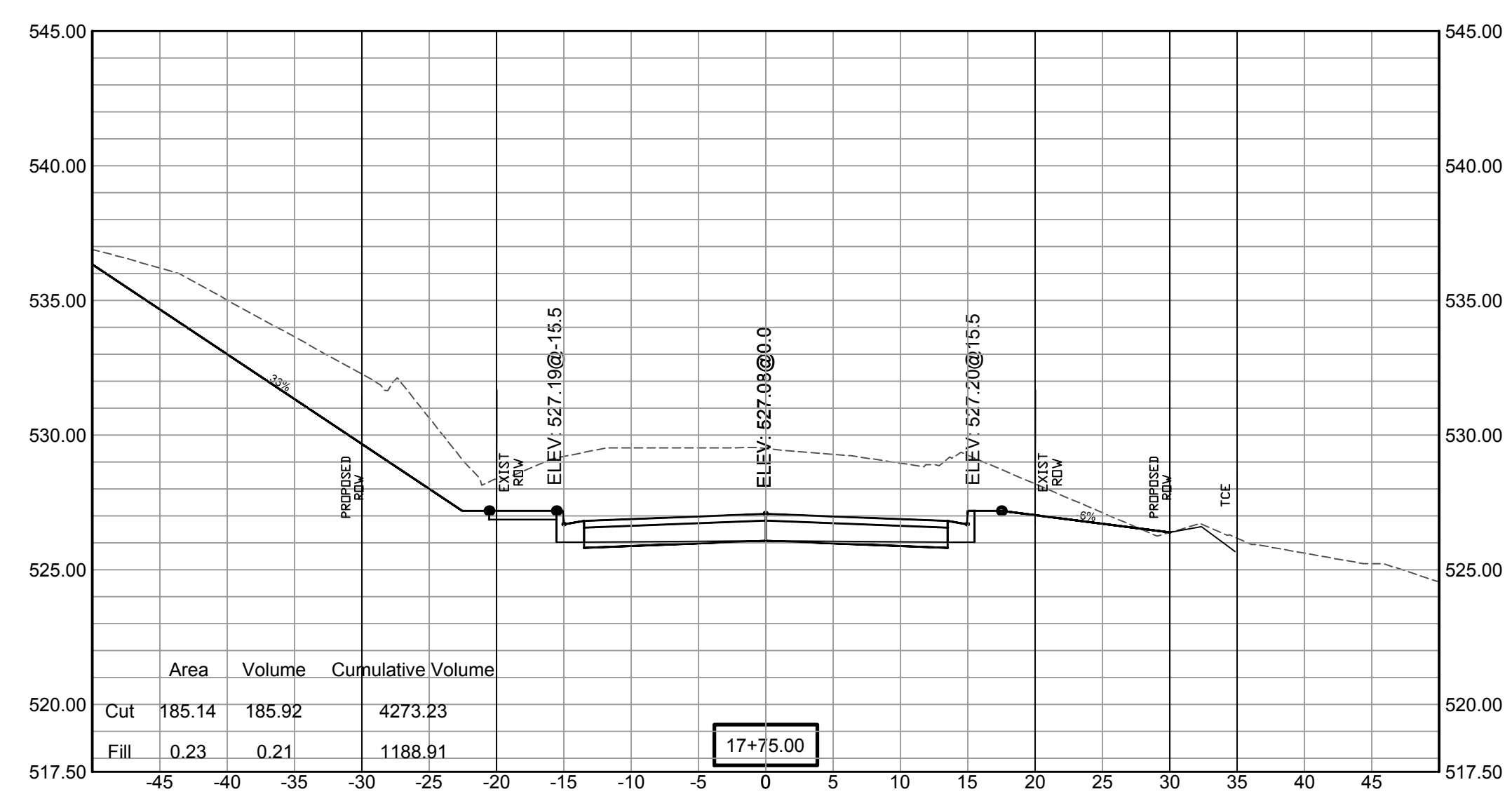
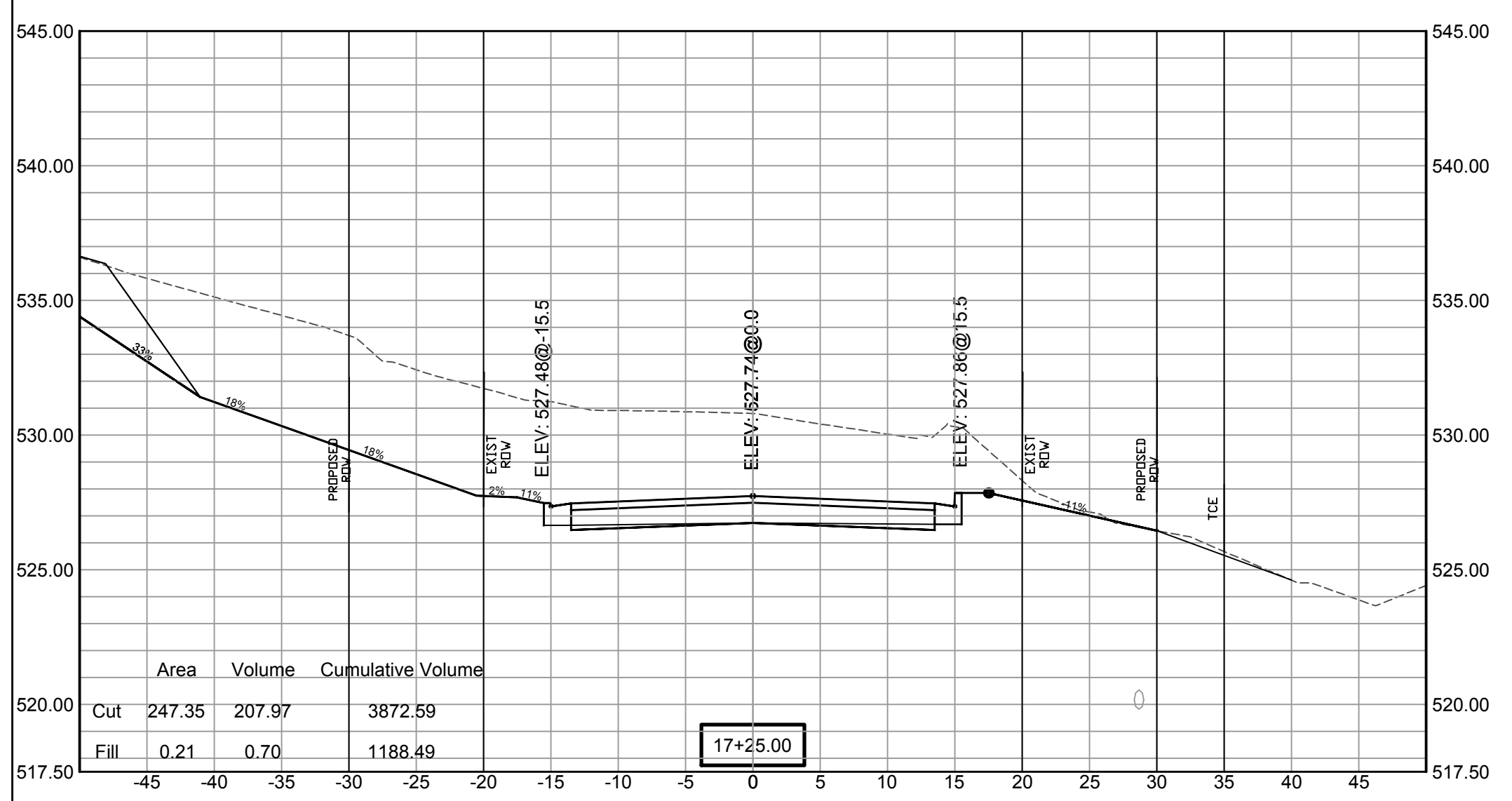
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 8



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


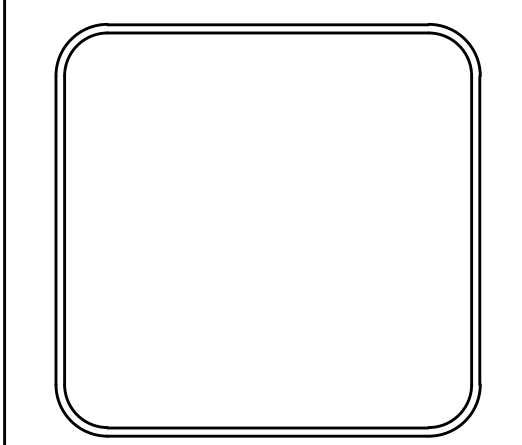
REVISIONS	DATE

100% SUBMITTAL

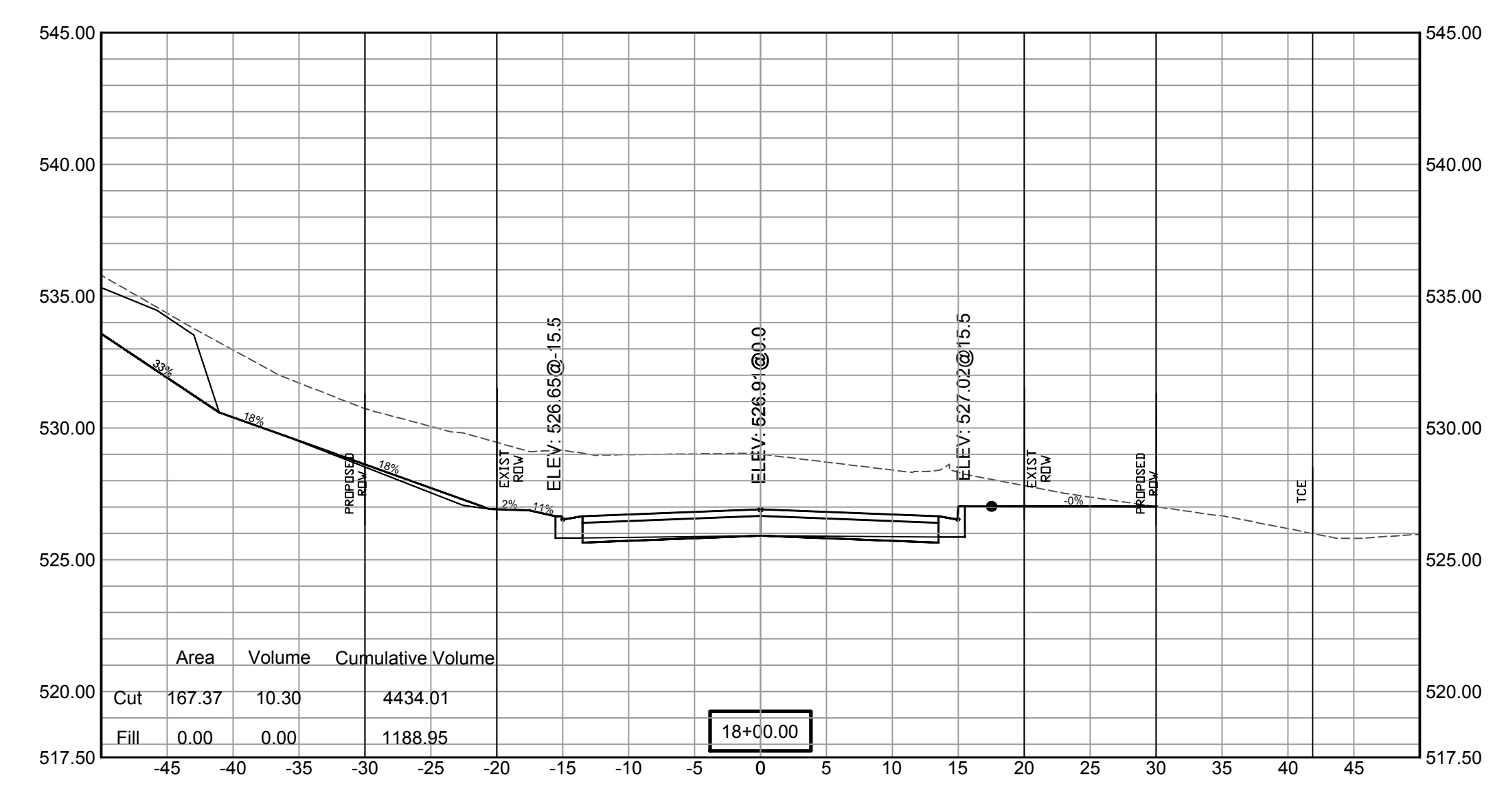
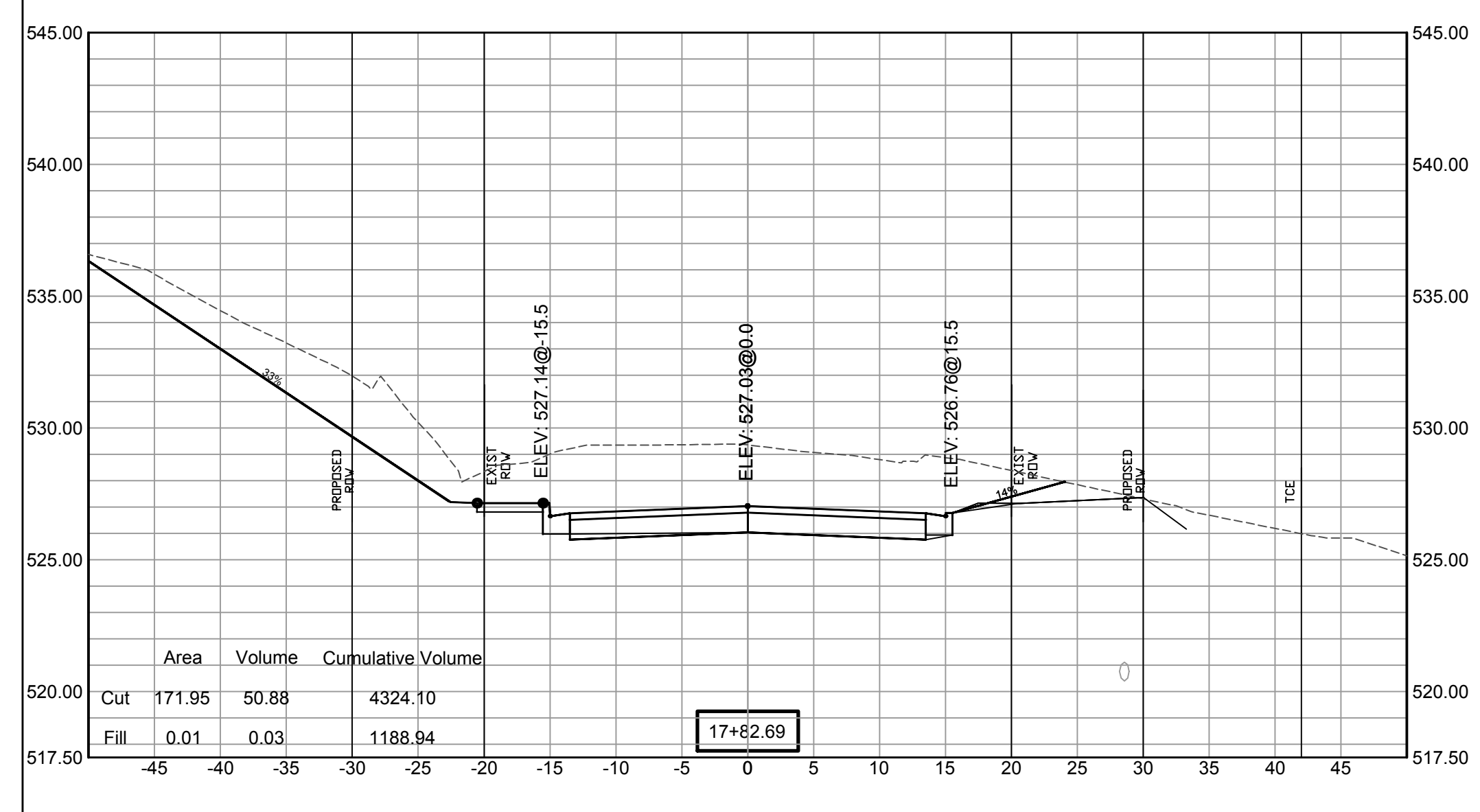
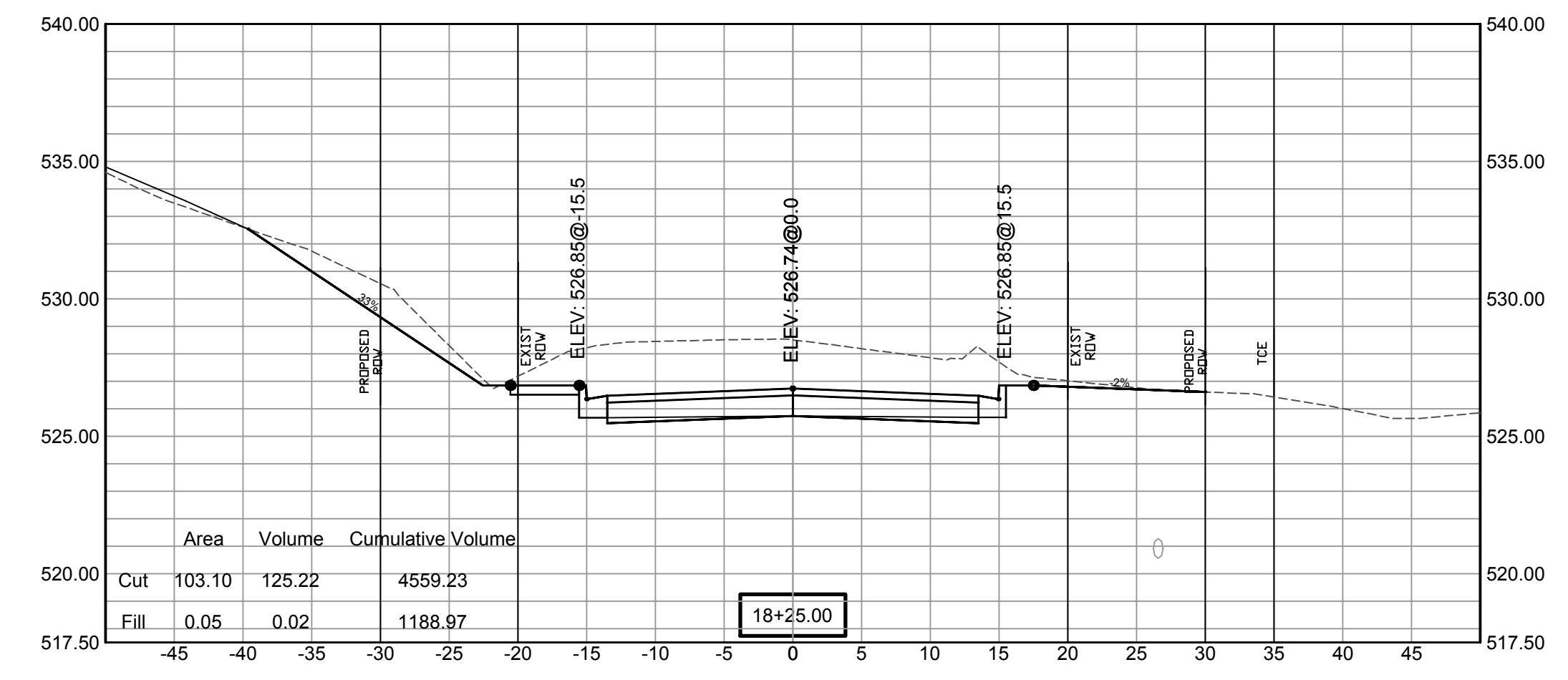
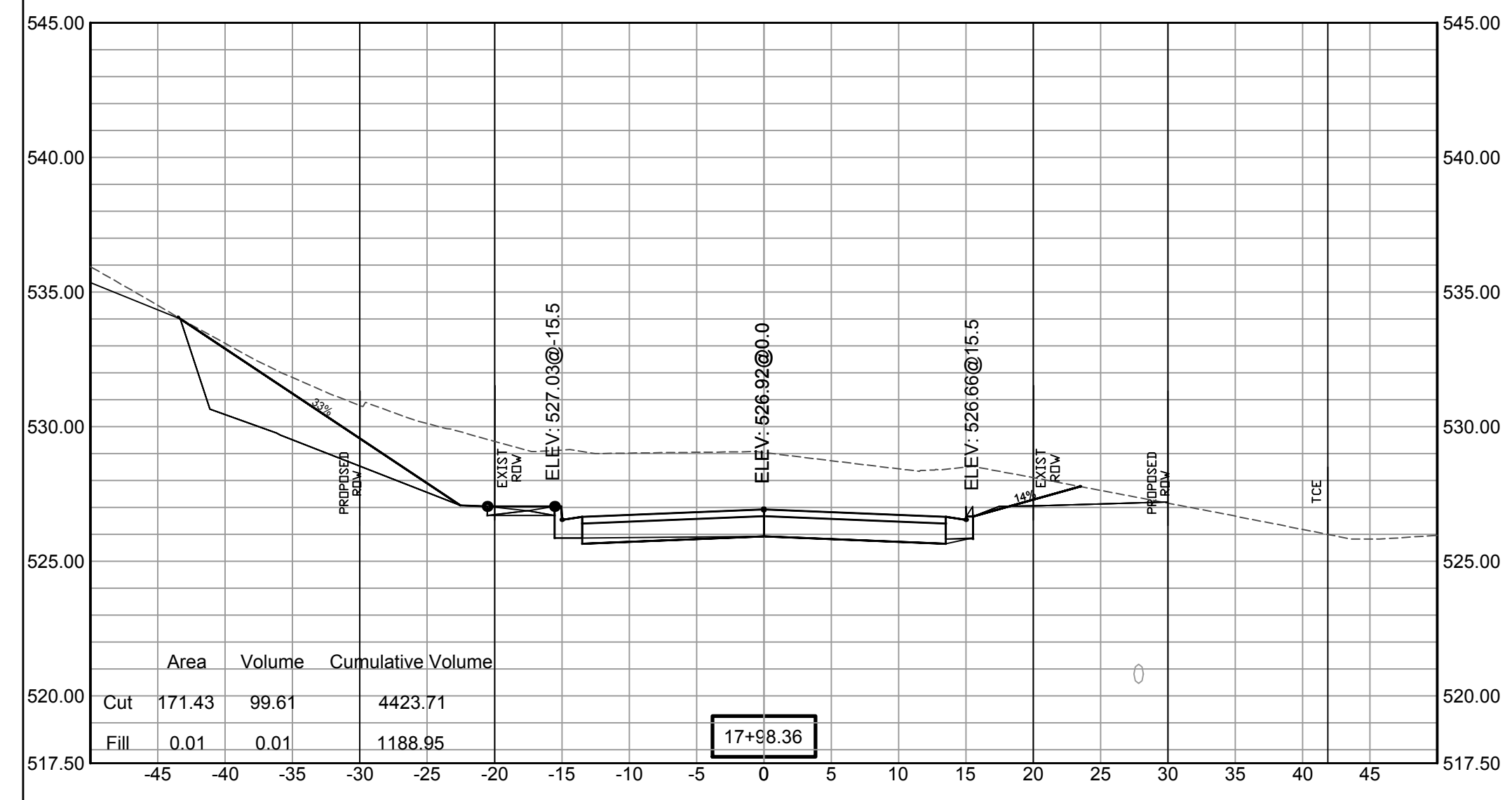
**CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 9**



**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

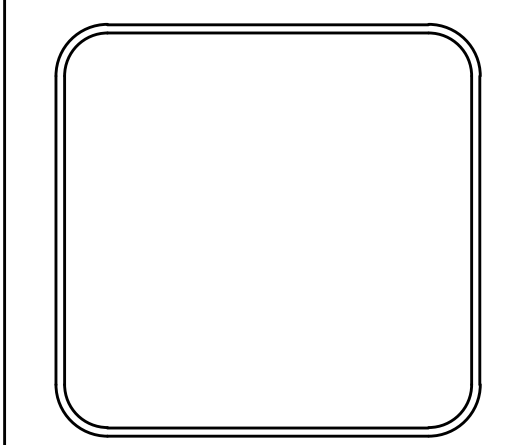
REVISIONS	DATE

100% SUBMITTAL

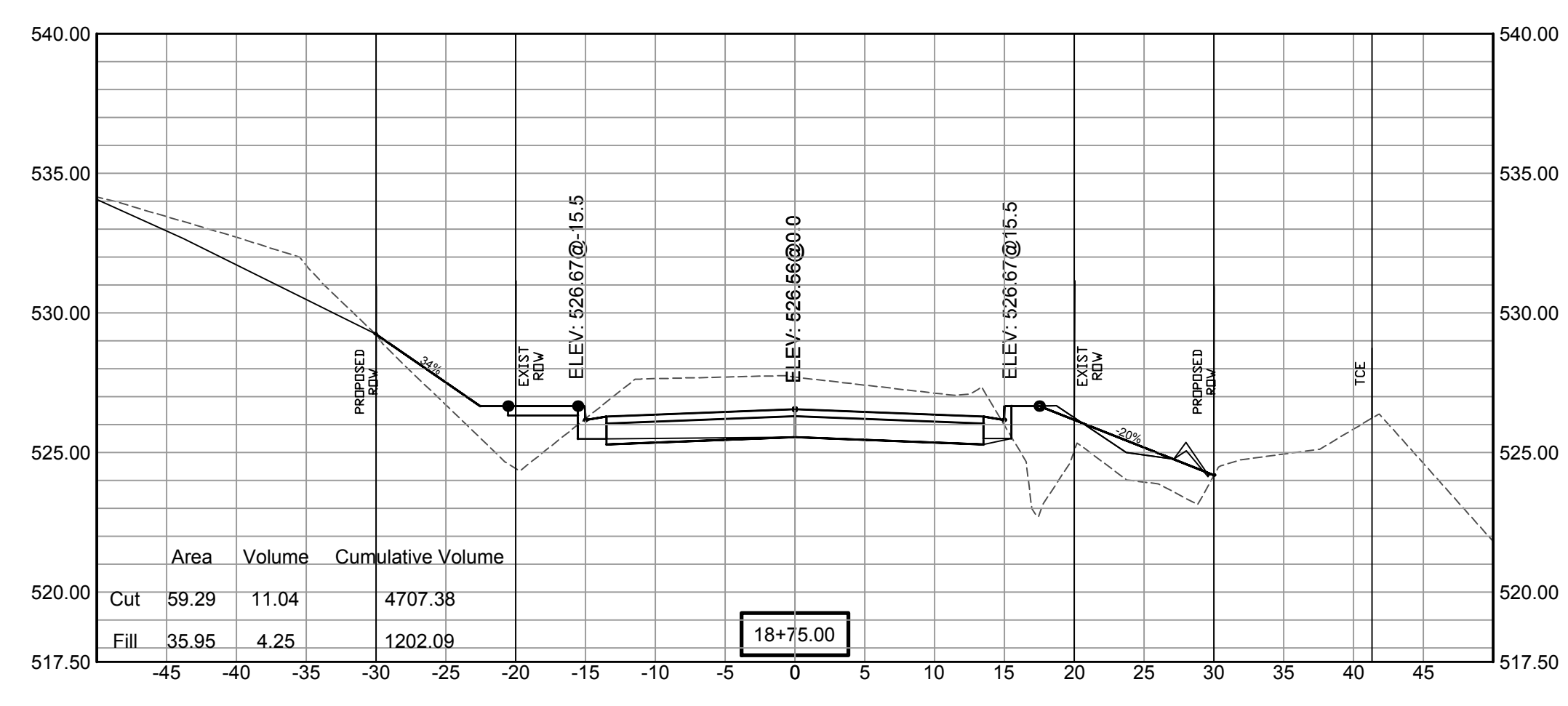
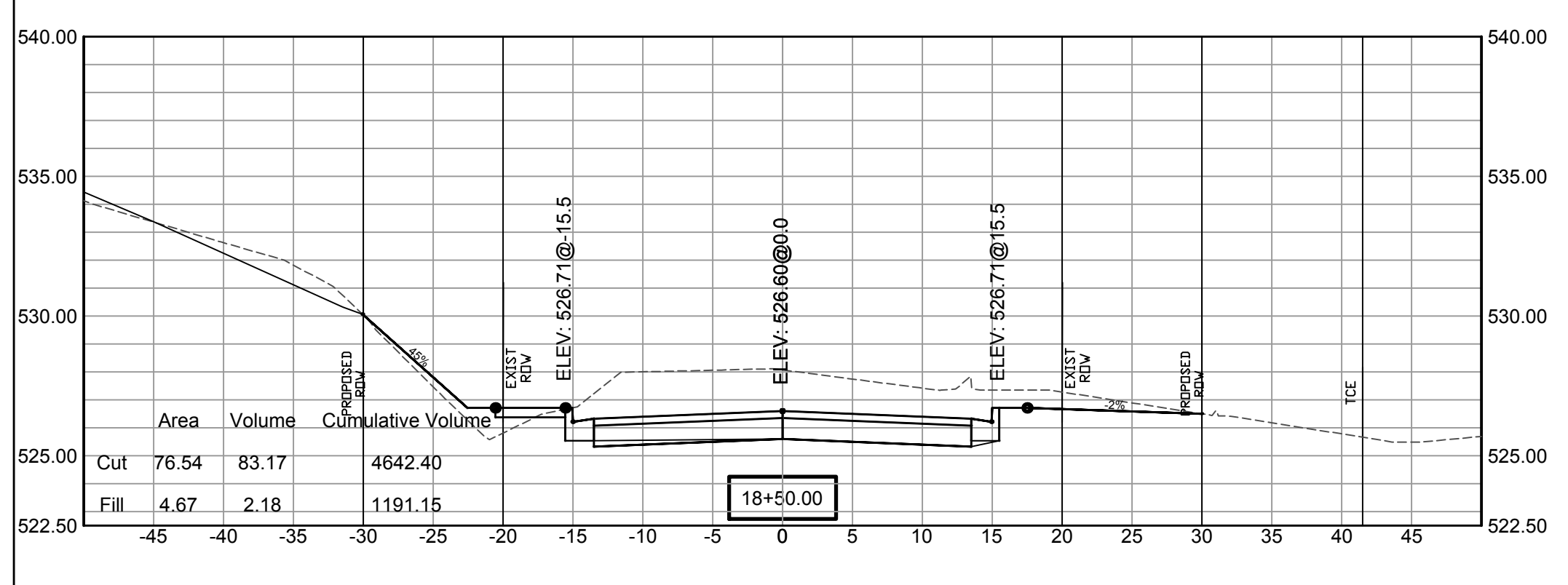
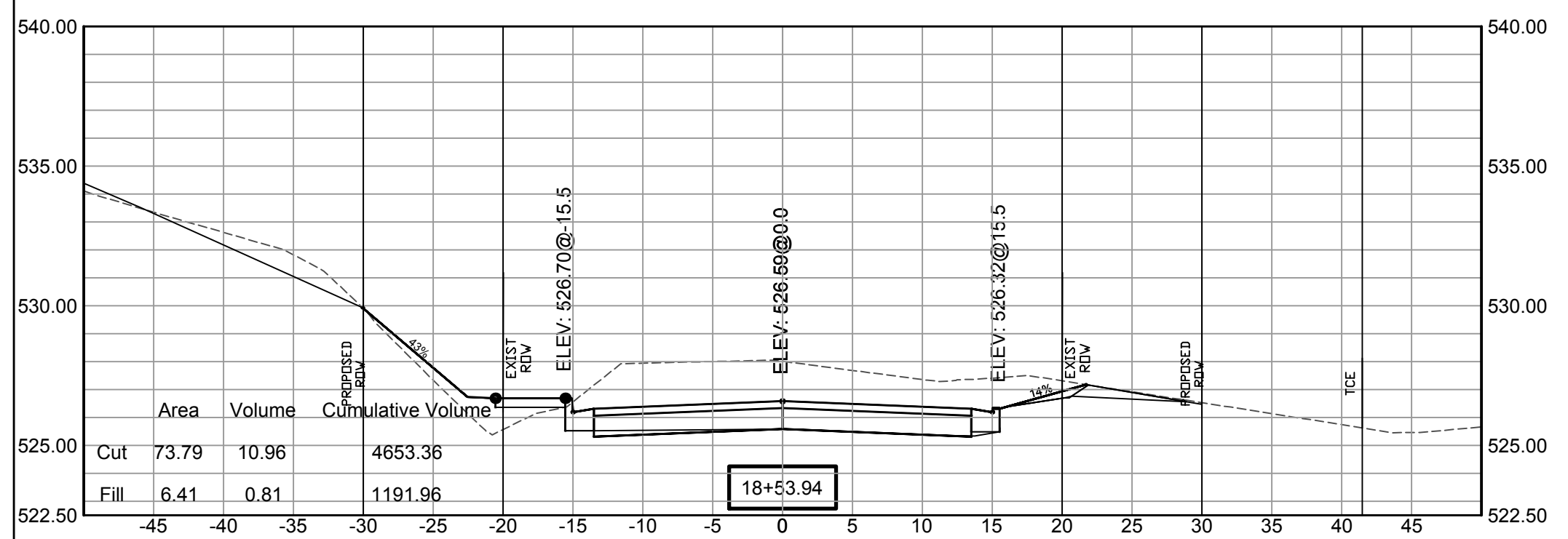
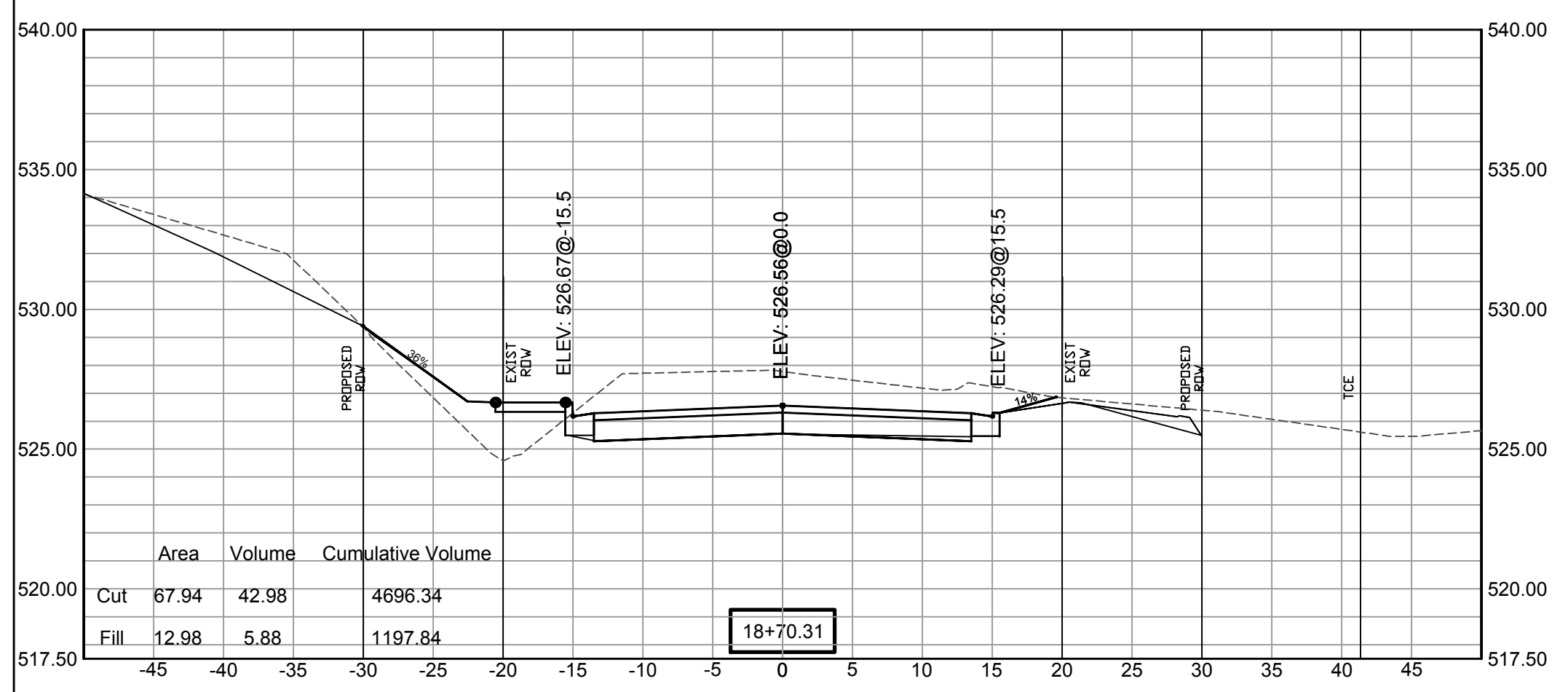
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 10



DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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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. C32




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

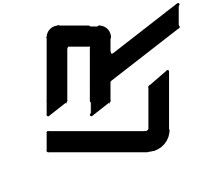
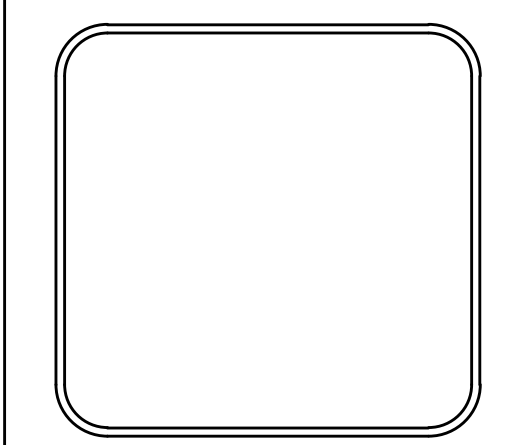
REVISIONS	DATE

100% SUBMITTAL

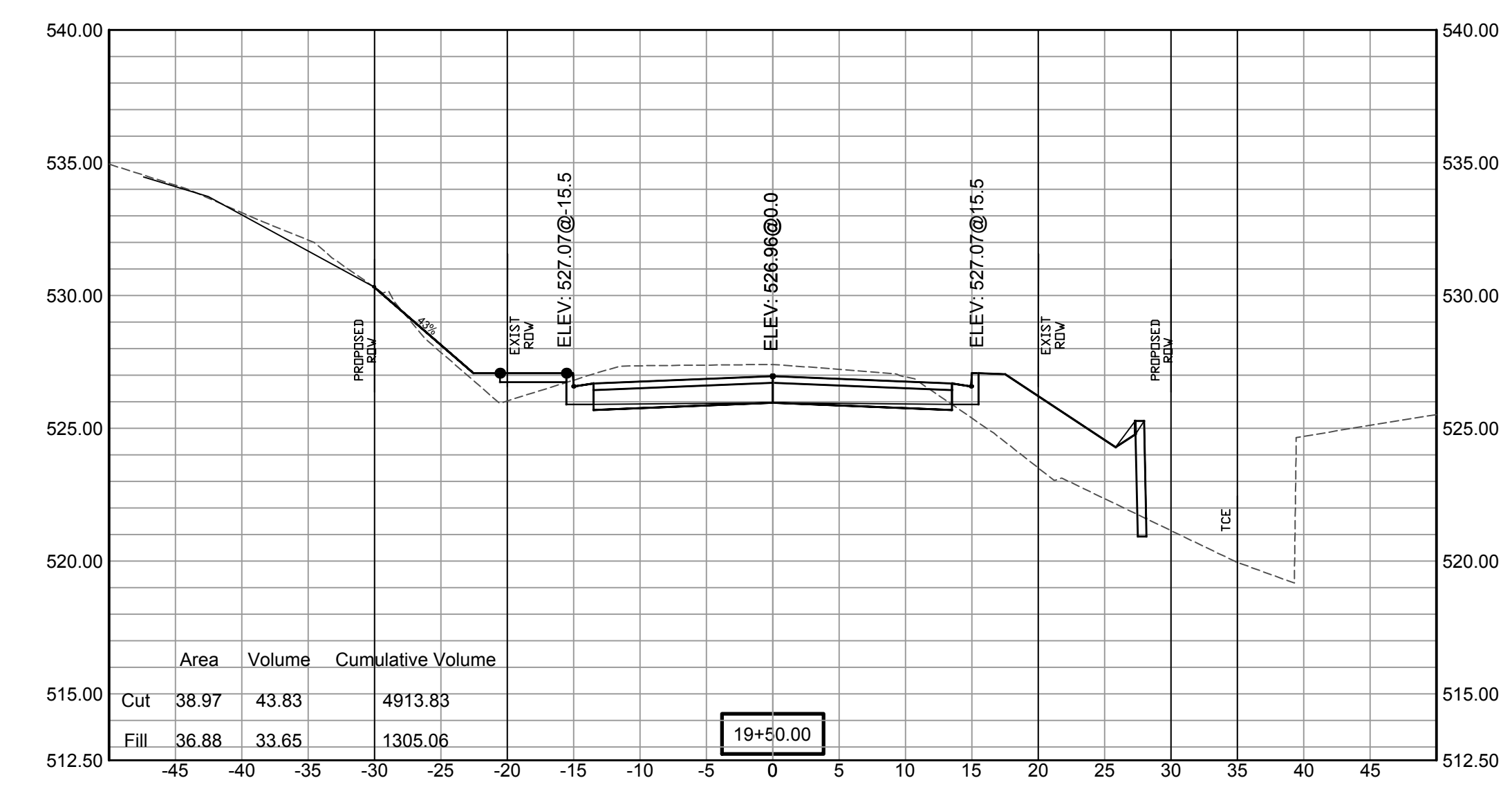
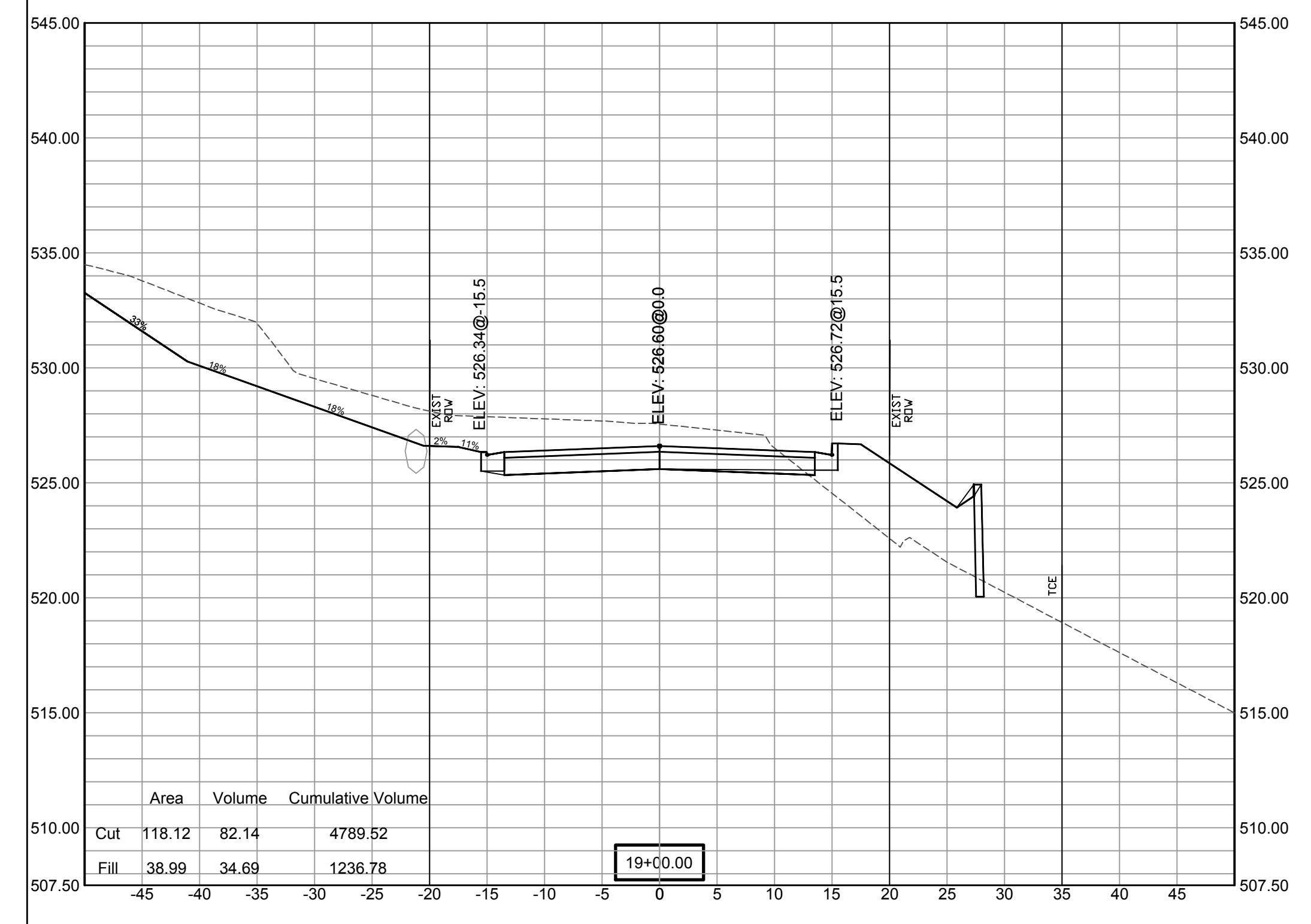
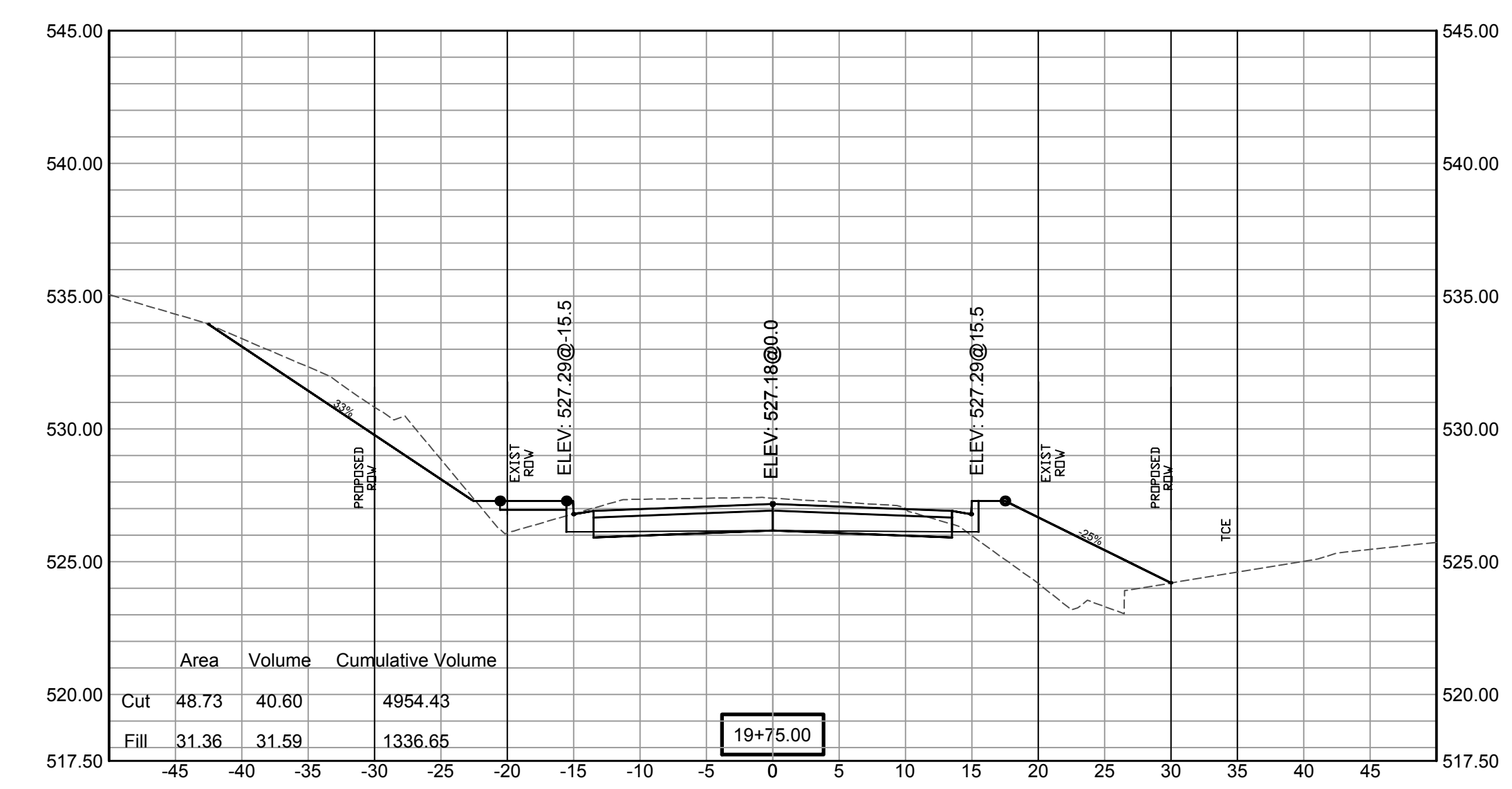
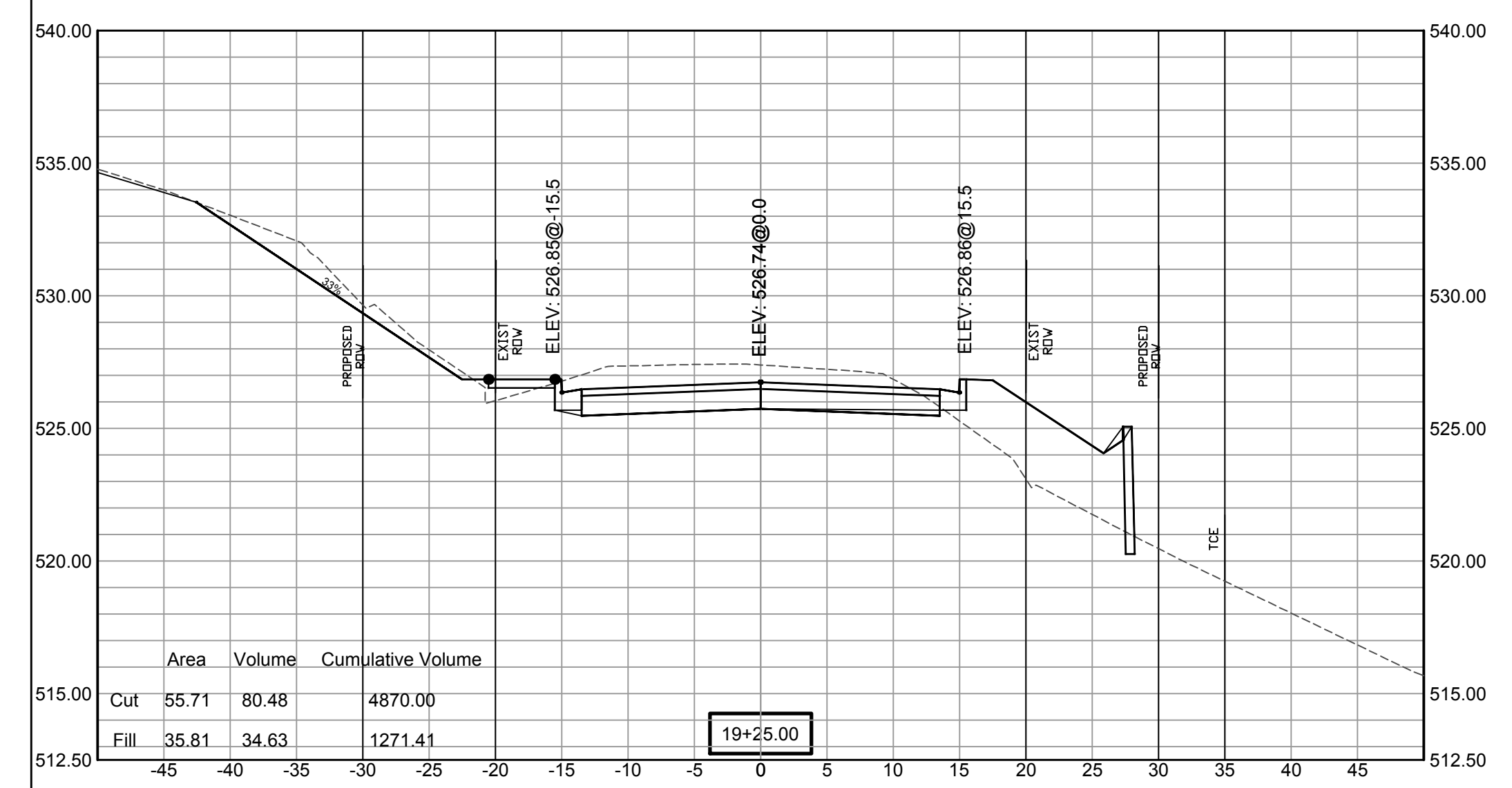
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 11



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


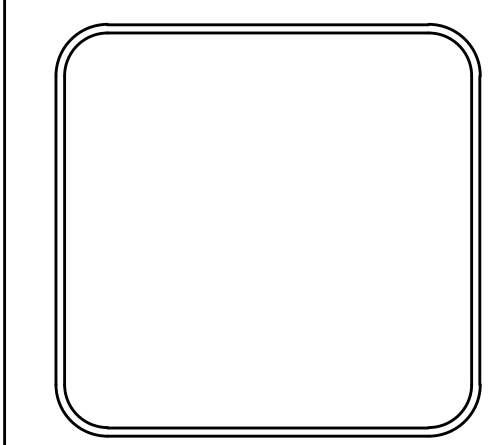
REVISIONS	DATE

100% SUBMITTAL

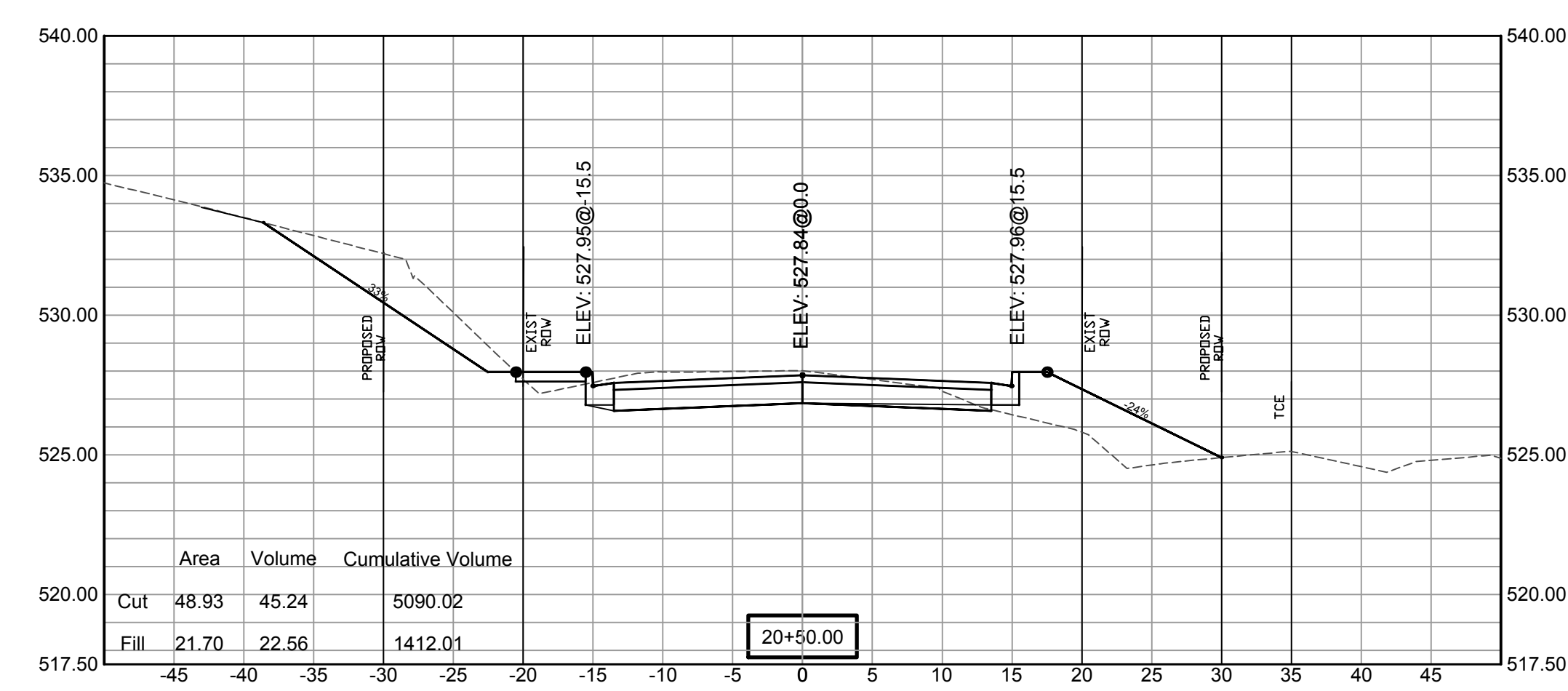
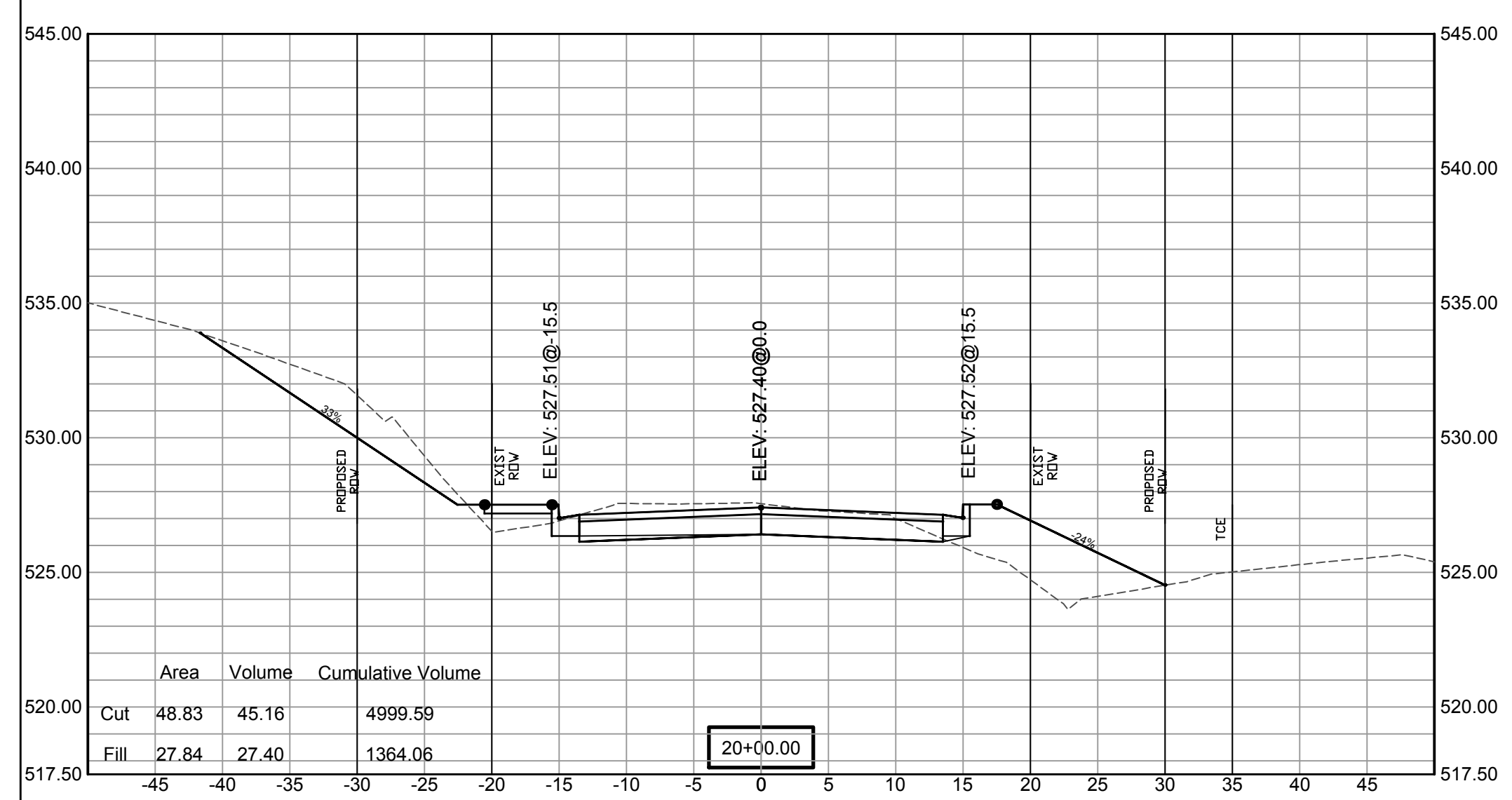
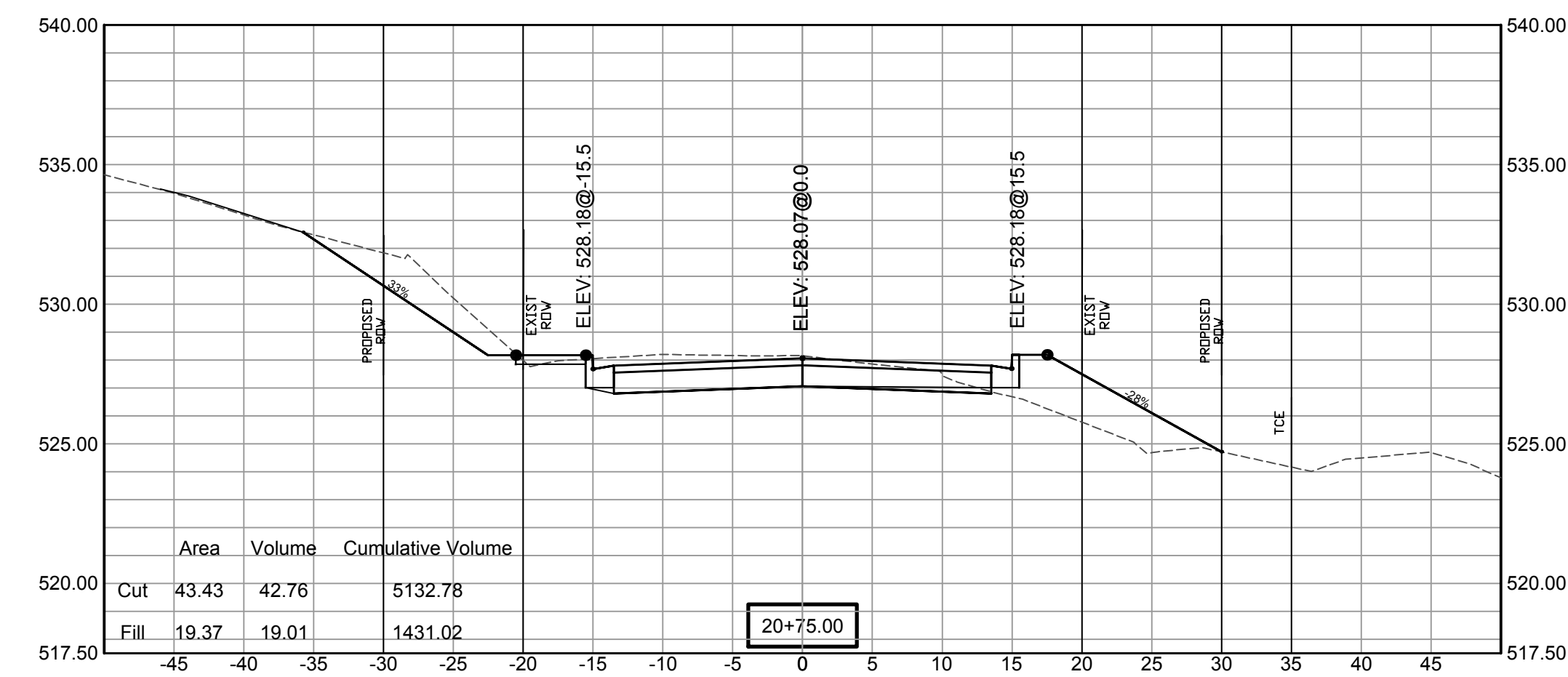
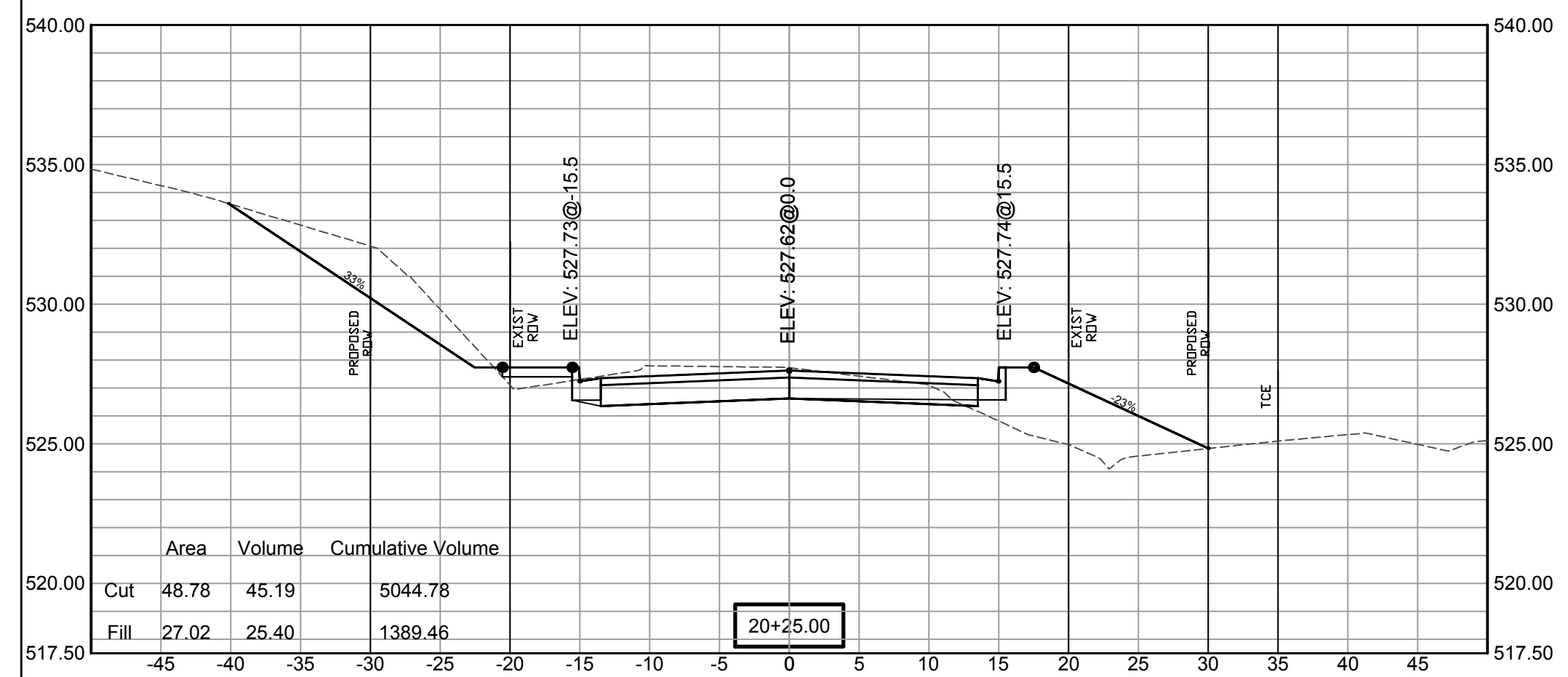
**CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 12**



**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


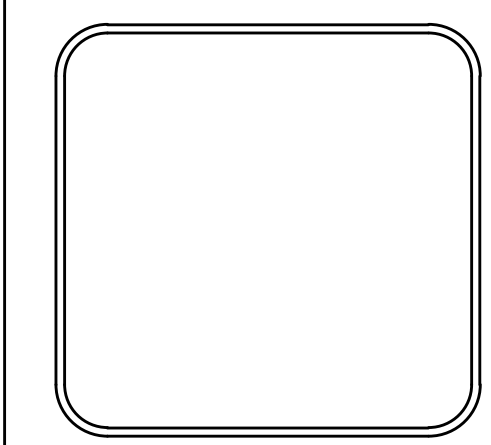
REVISIONS	DATE

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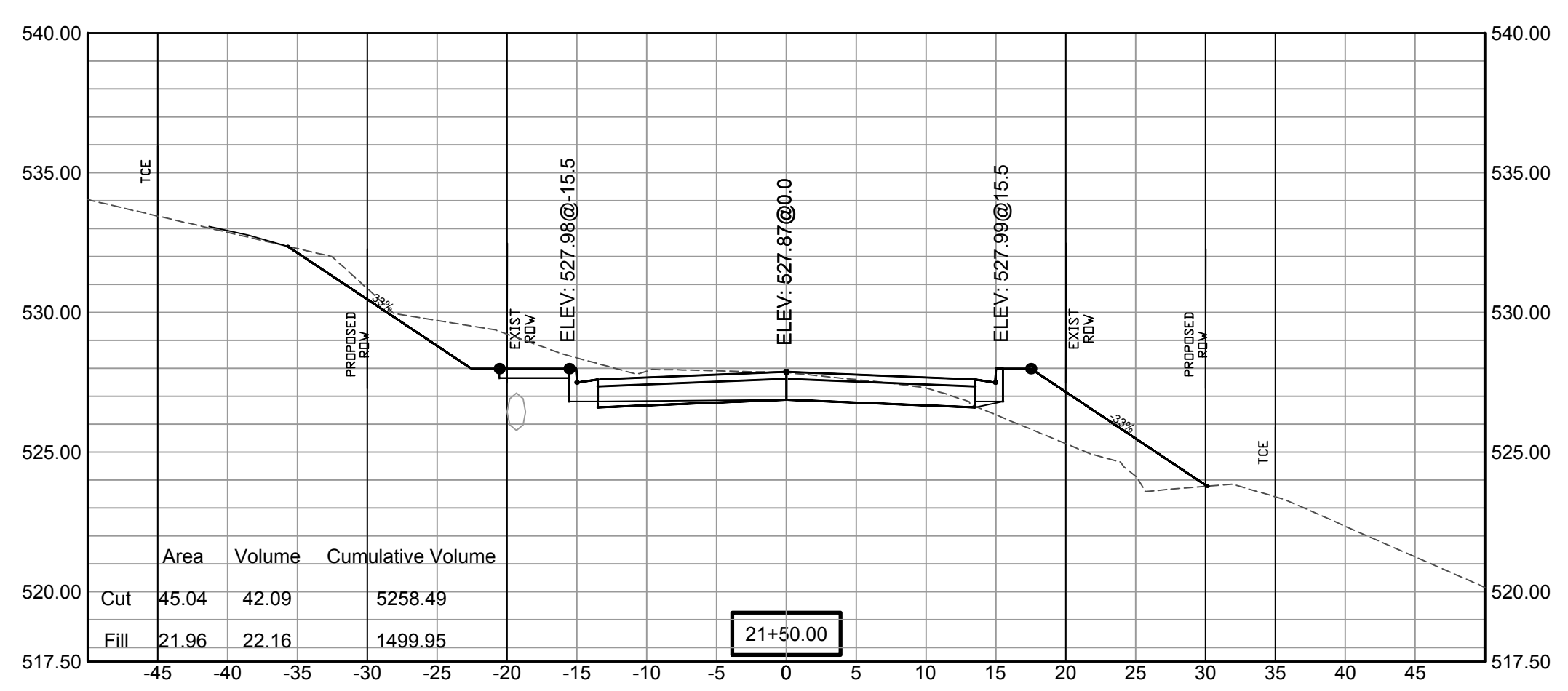
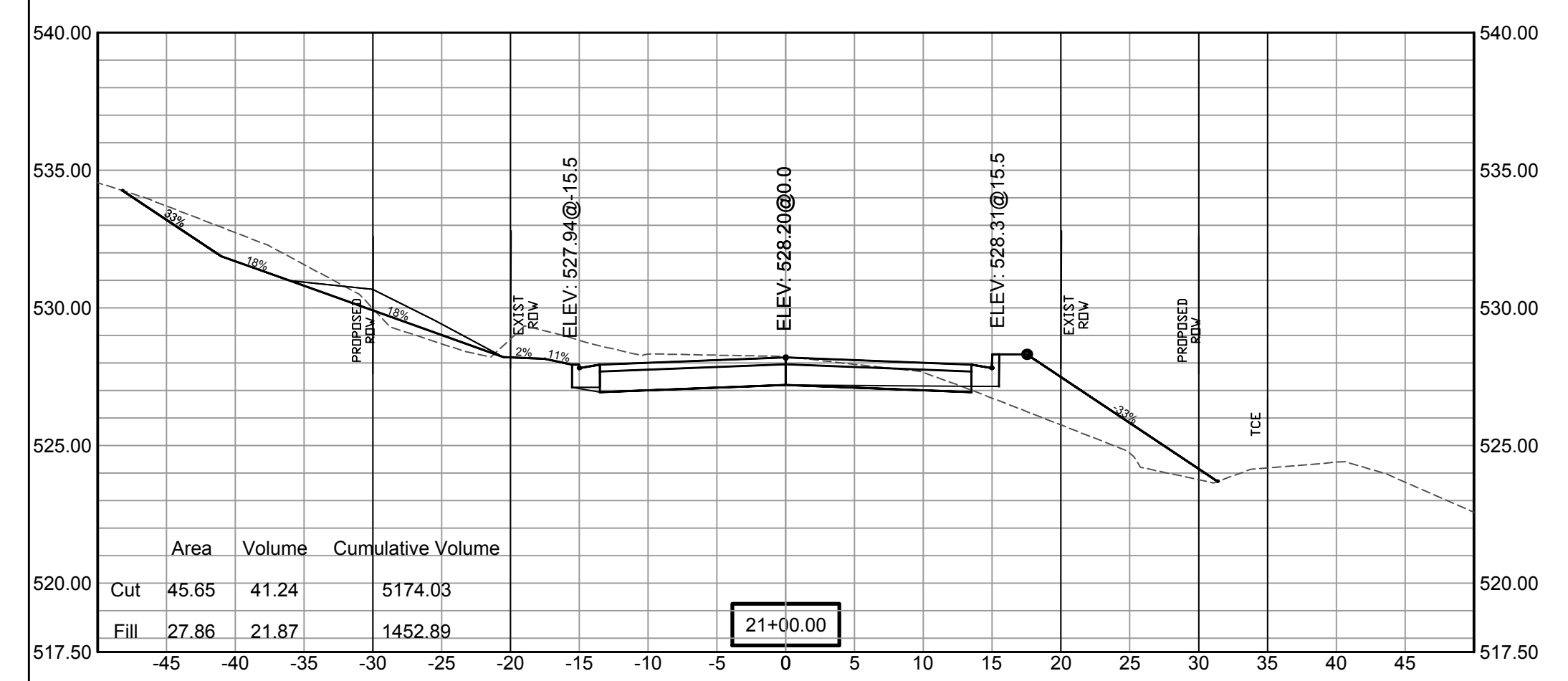
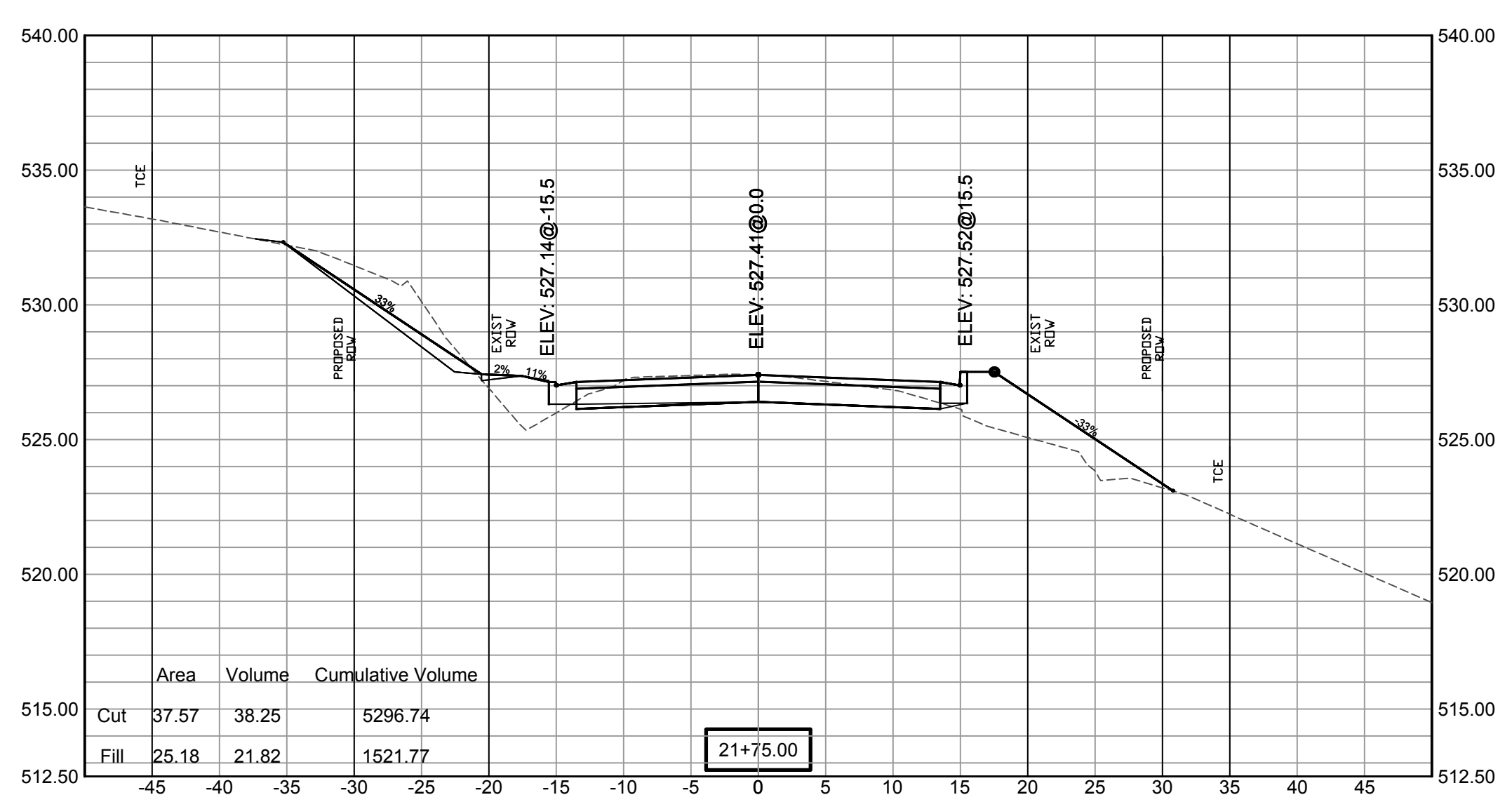
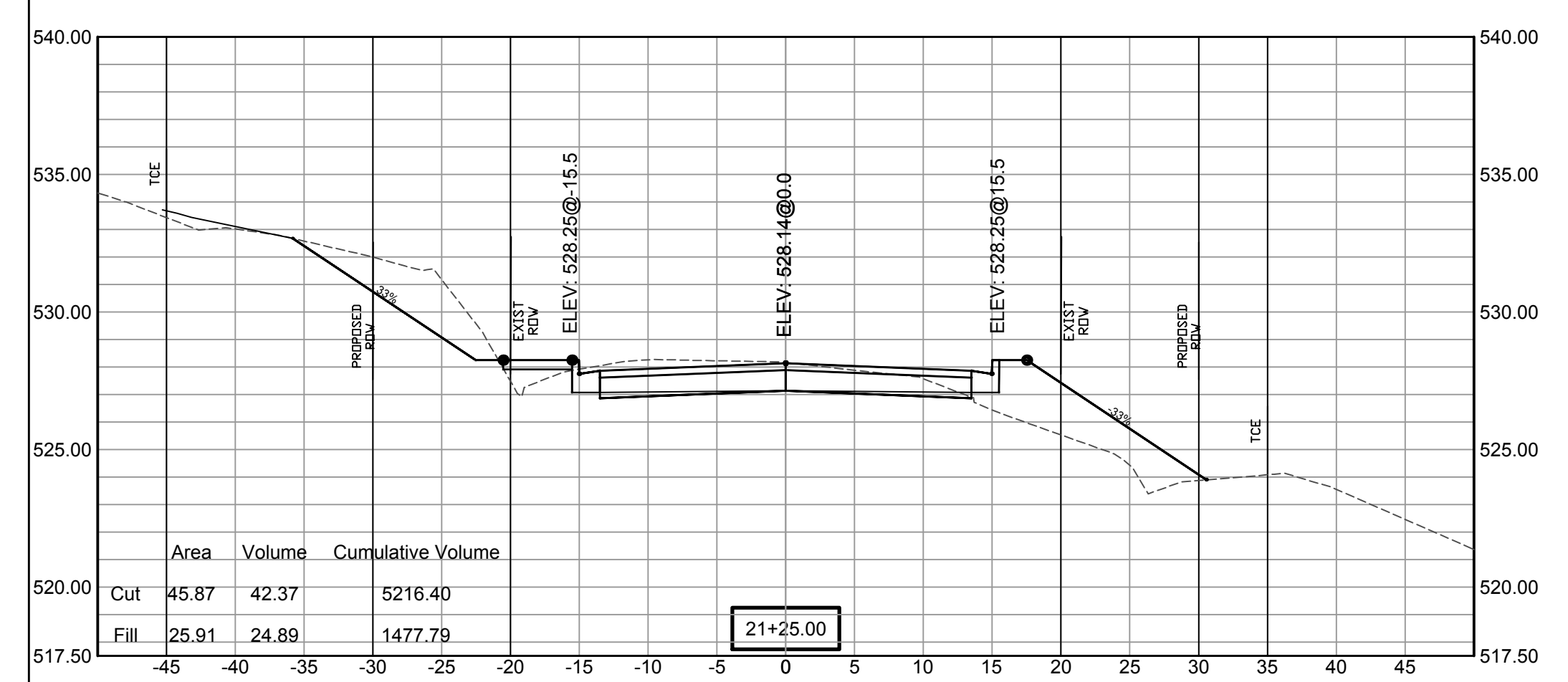
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 13



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 CIVIL ENGINEERING
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 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


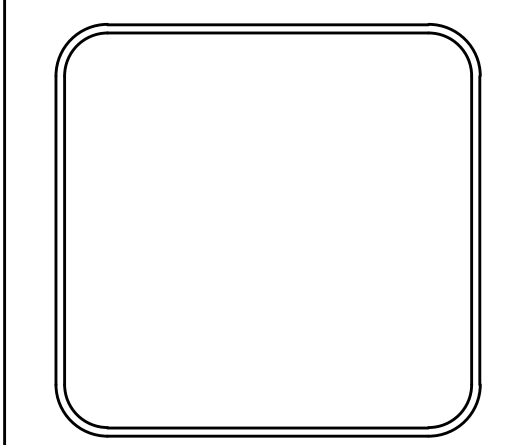
REVISIONS	DATE

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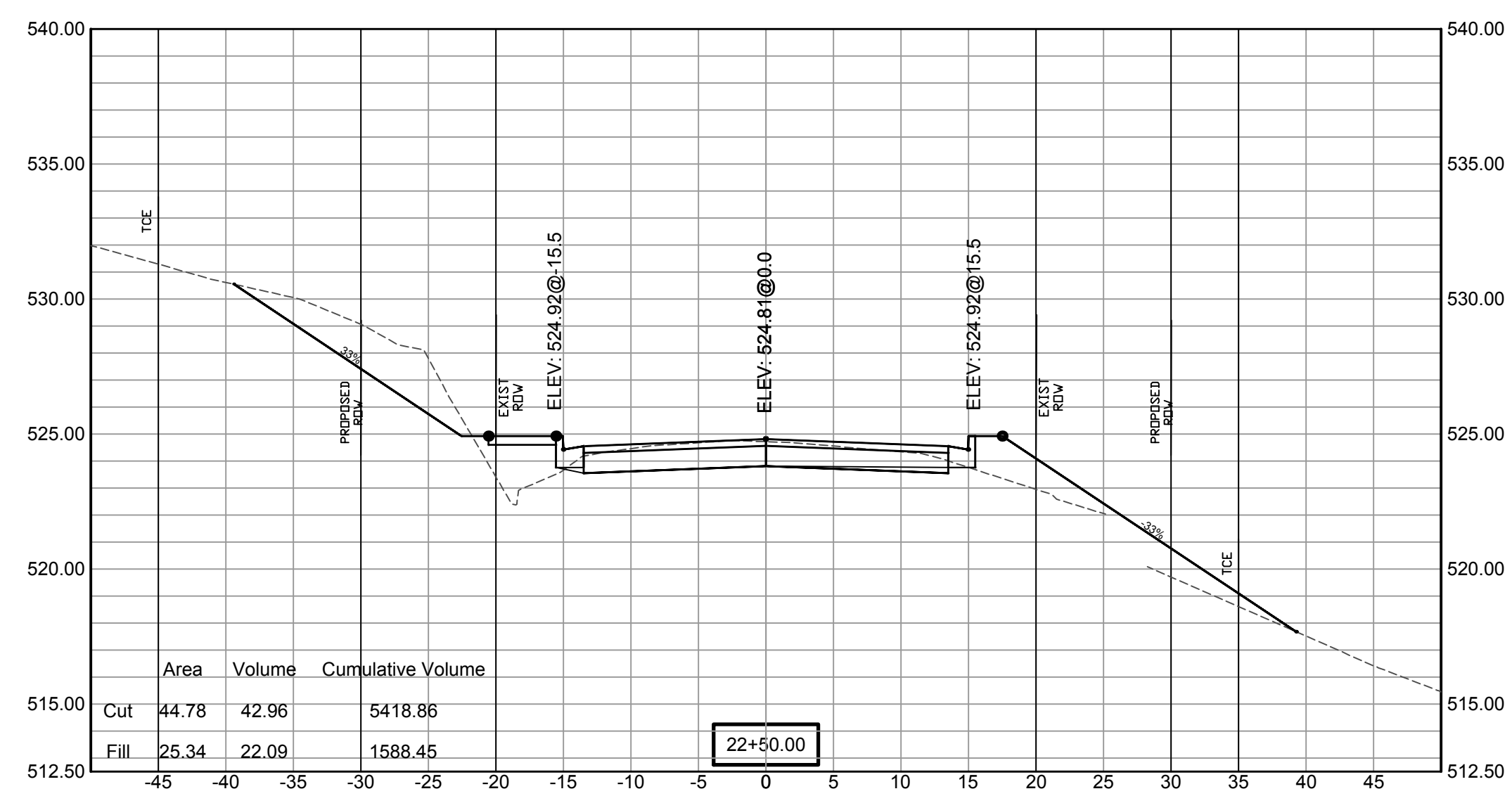
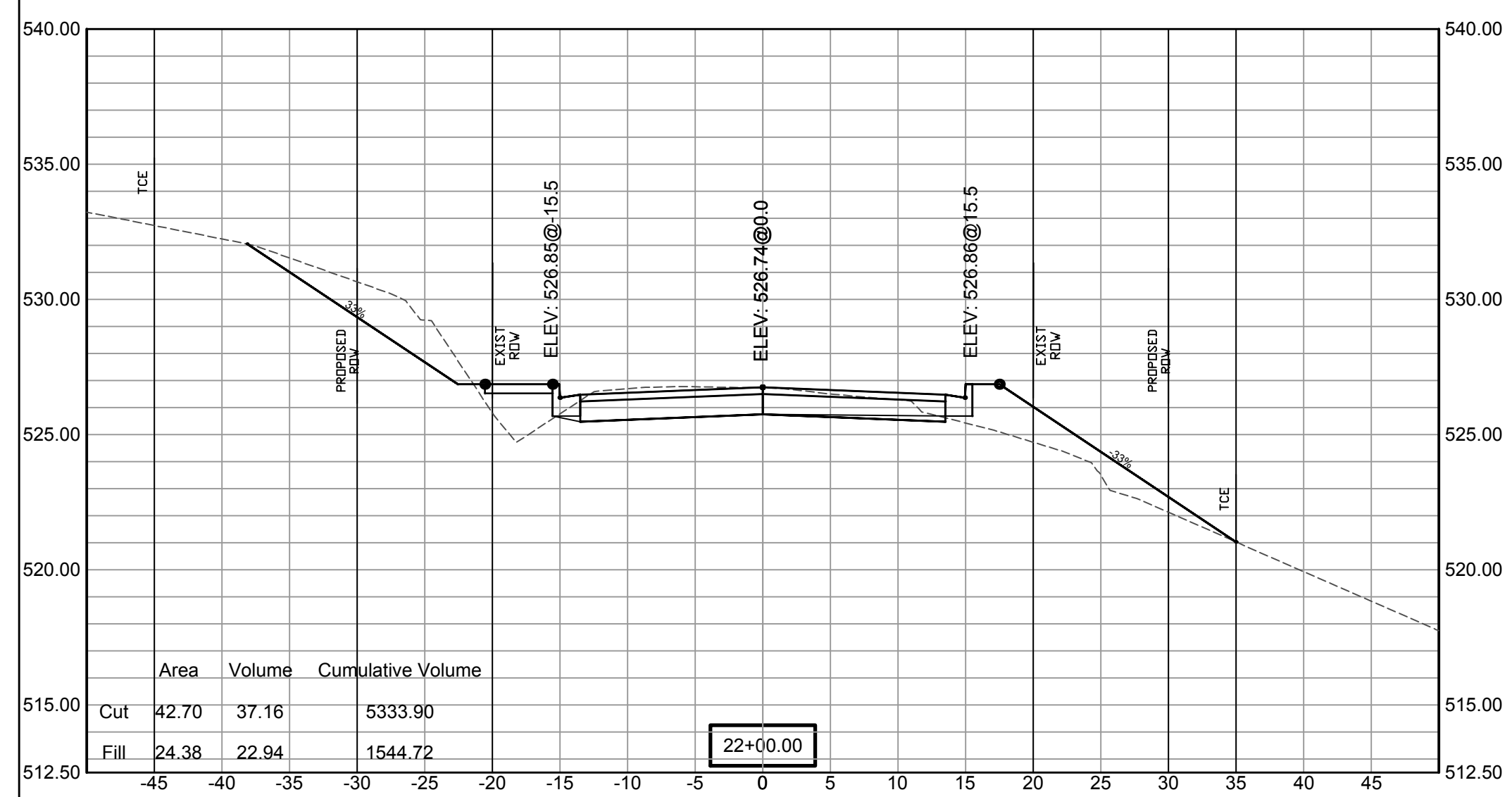
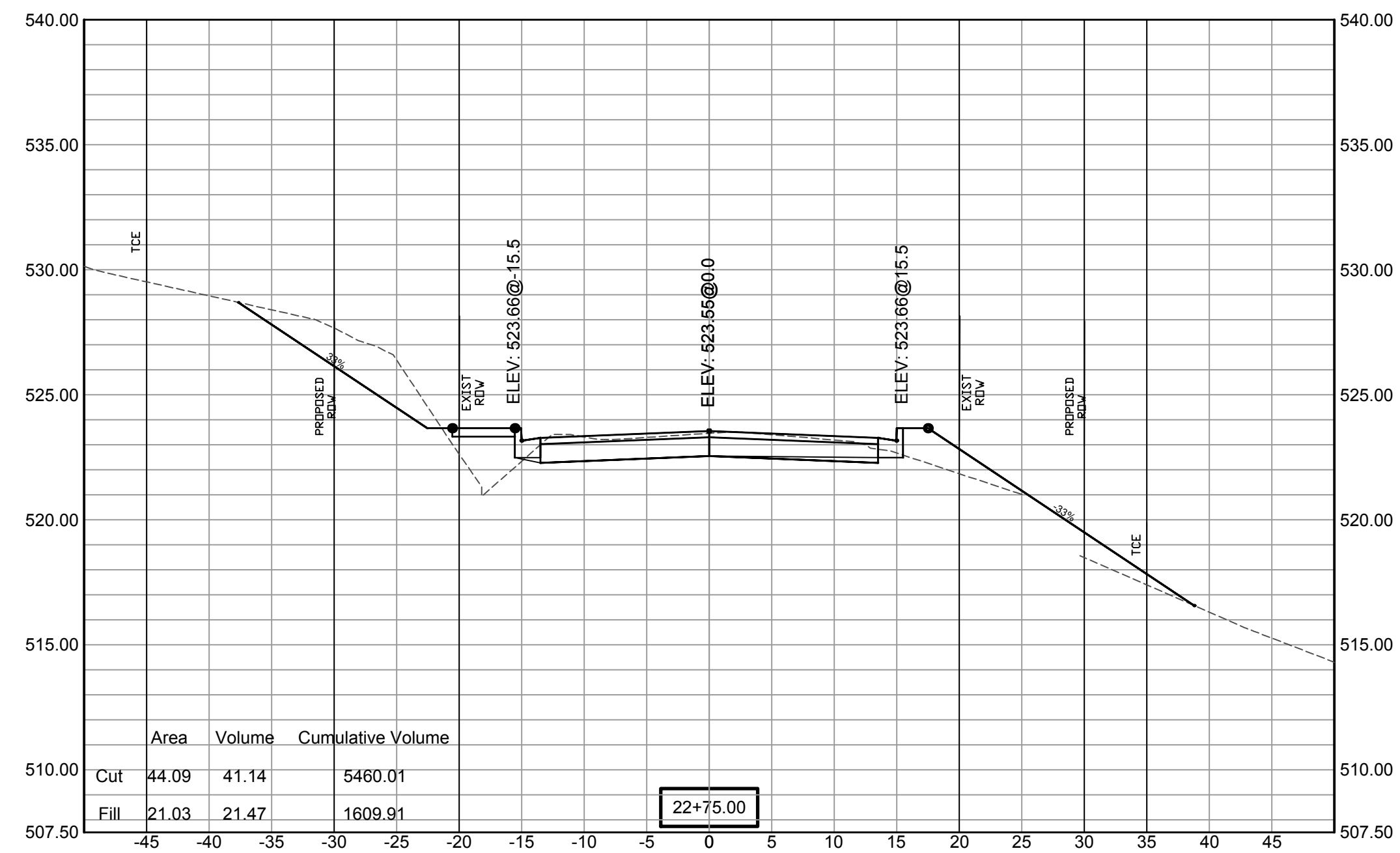
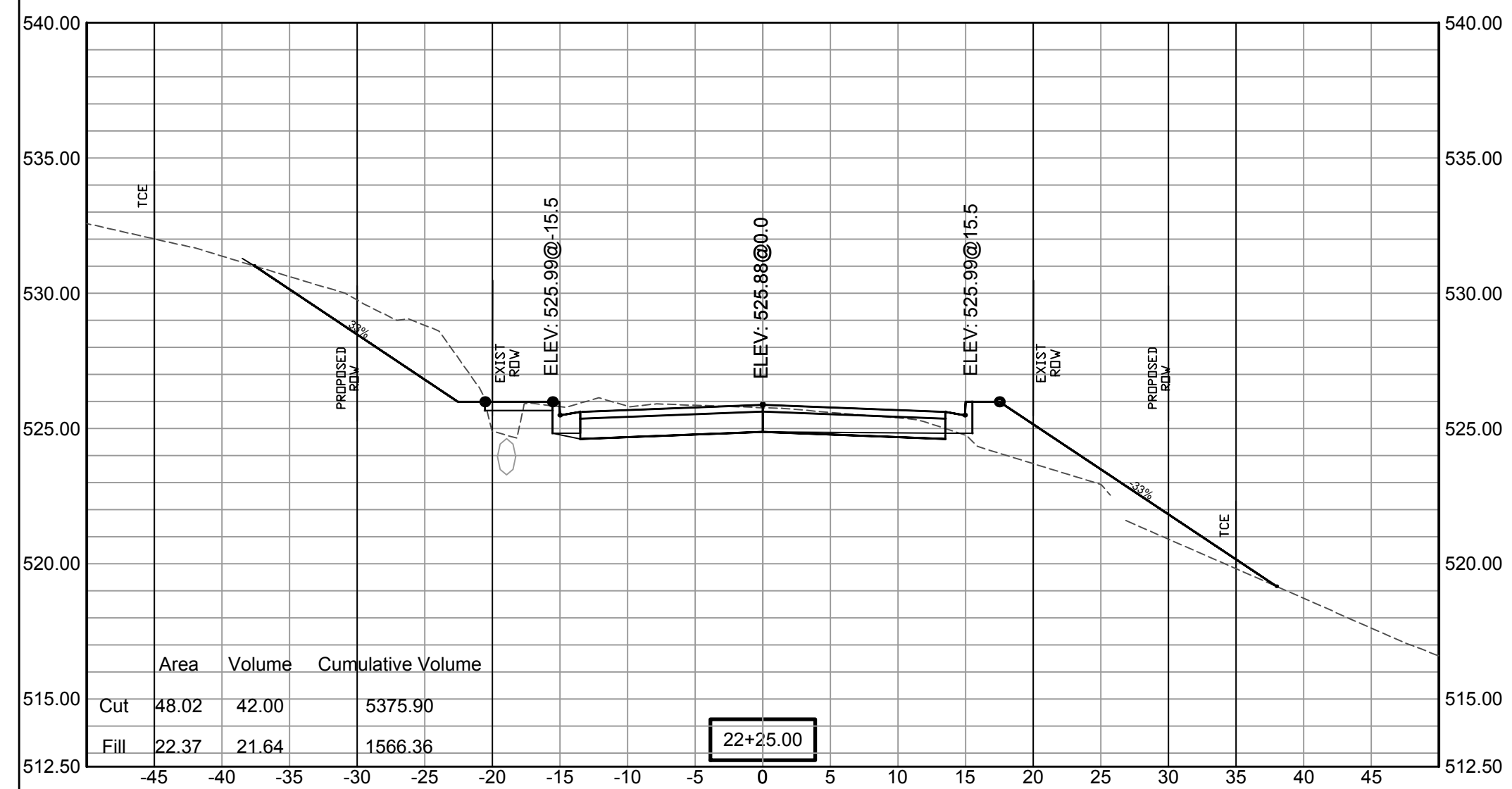
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 14



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

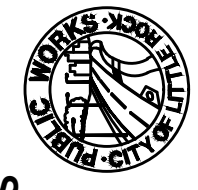


SCALE:
1" = 5'V
1" = 10'H

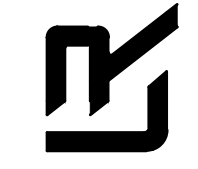
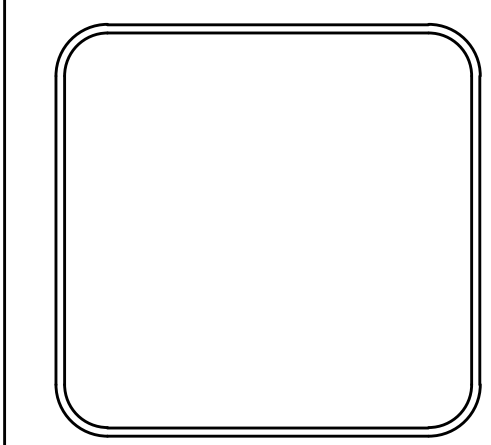
REVISIONS	DATE

100% SUBMITTAL

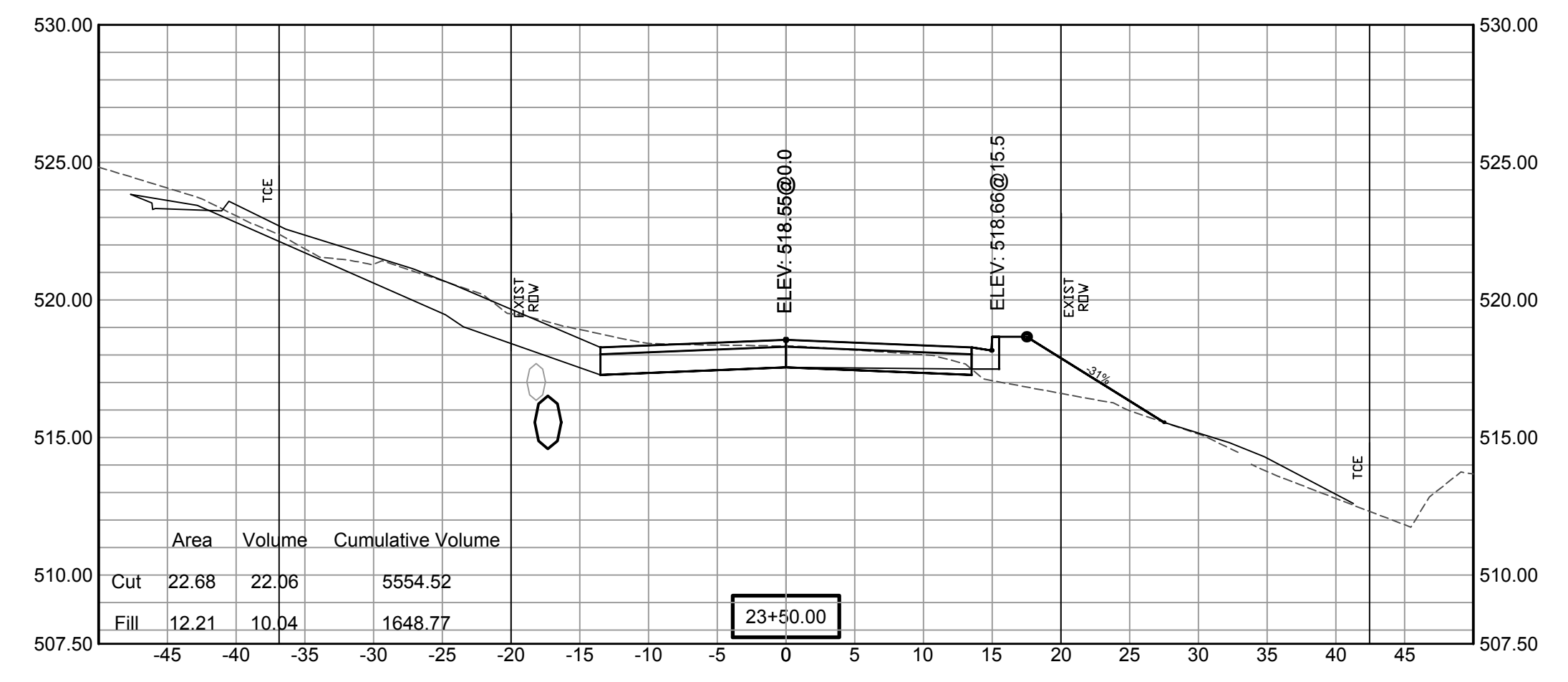
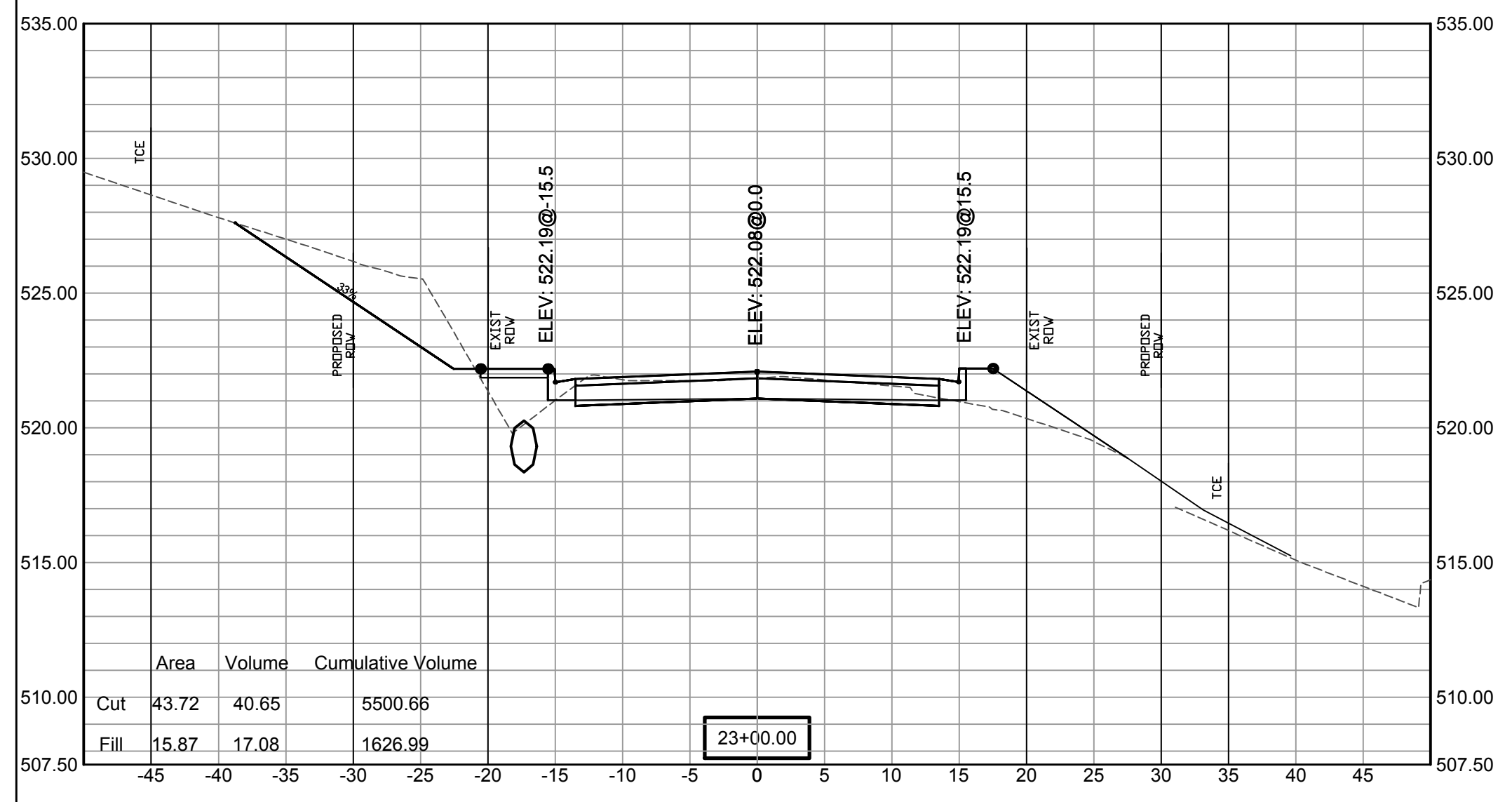
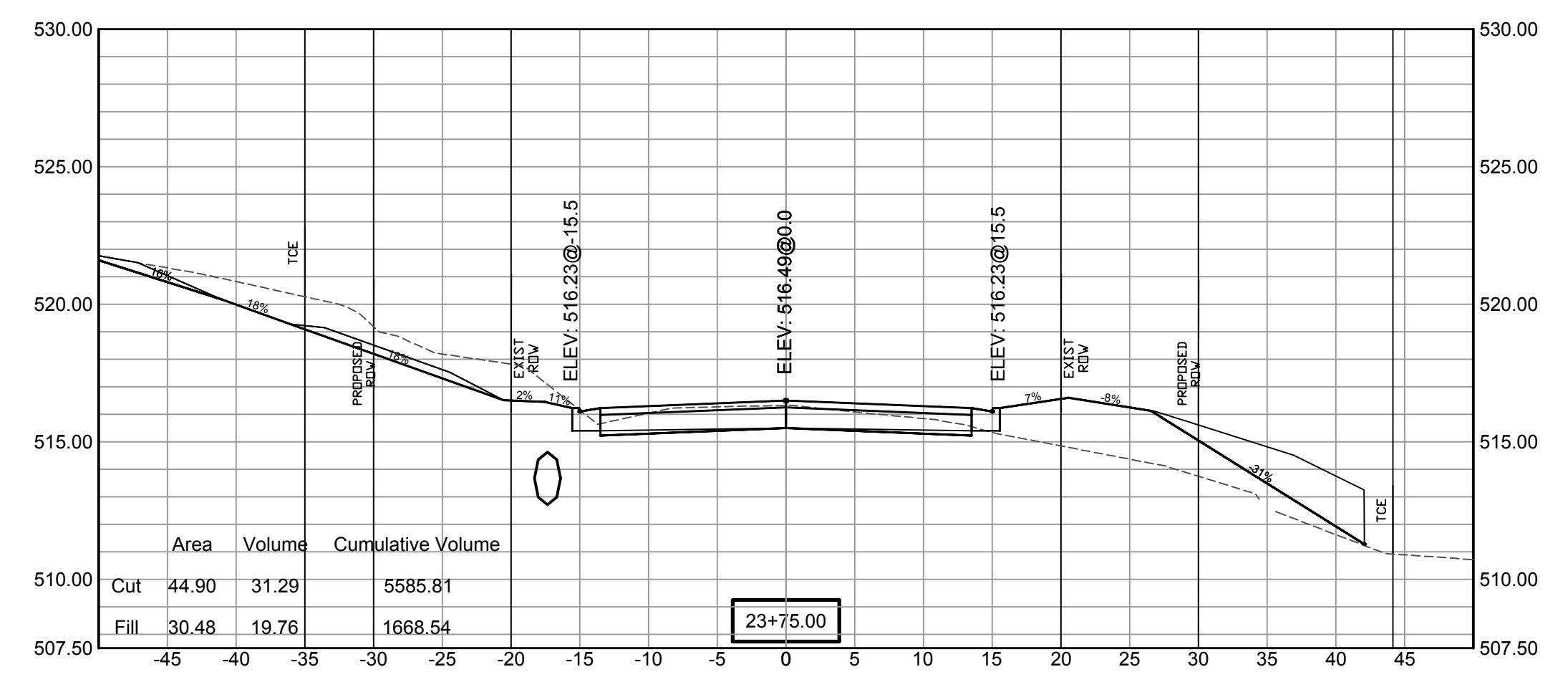
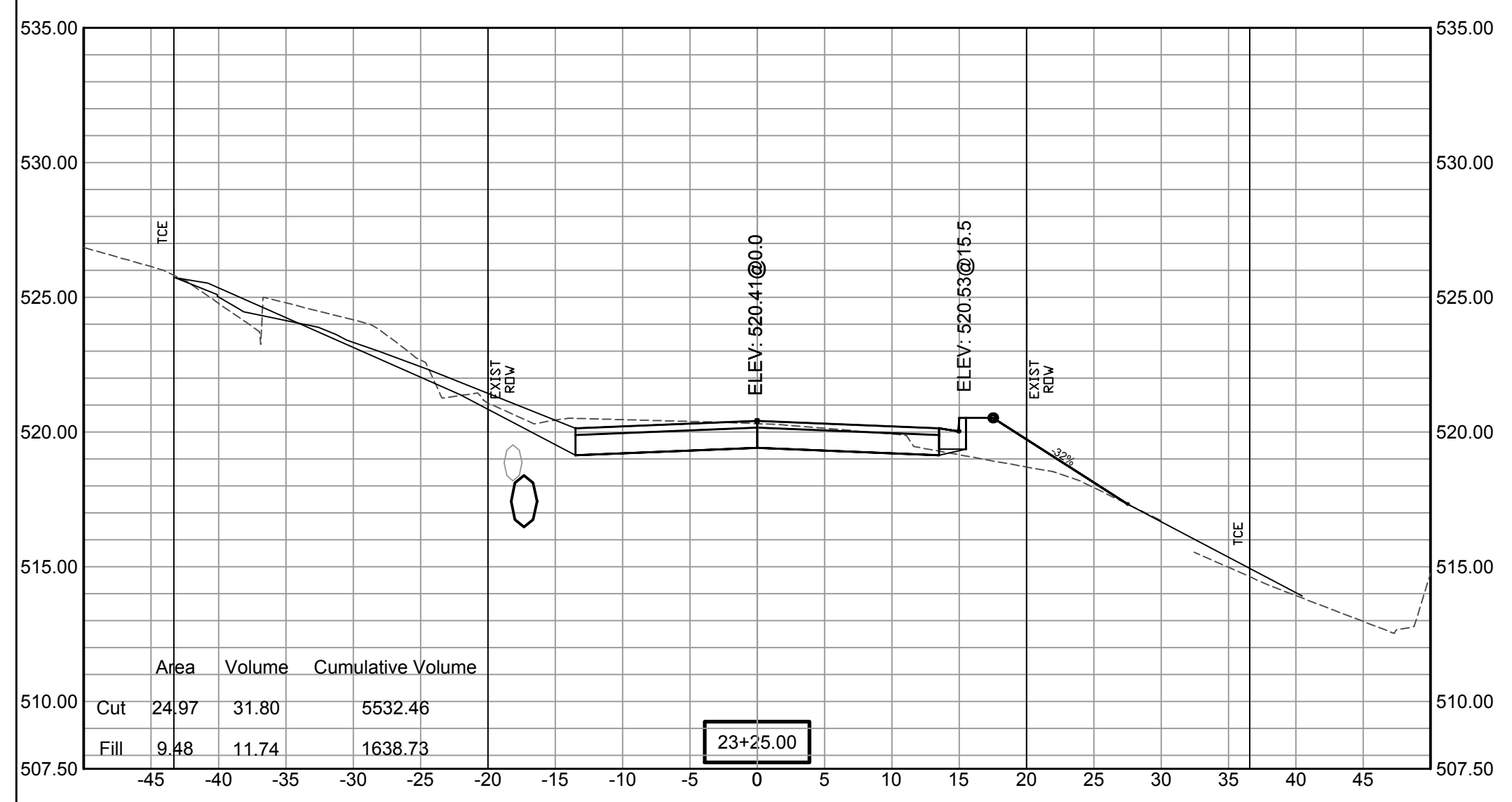
**CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 15**



**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

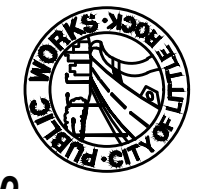


**SCALE:
1"= 5'V
1"= 10'H**

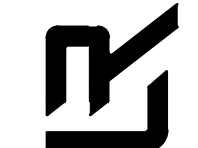
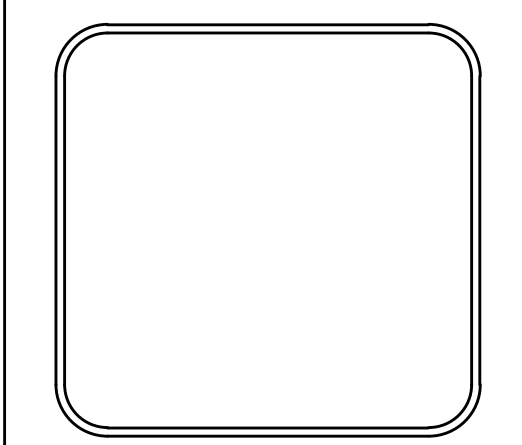
REVISIONS	DATE

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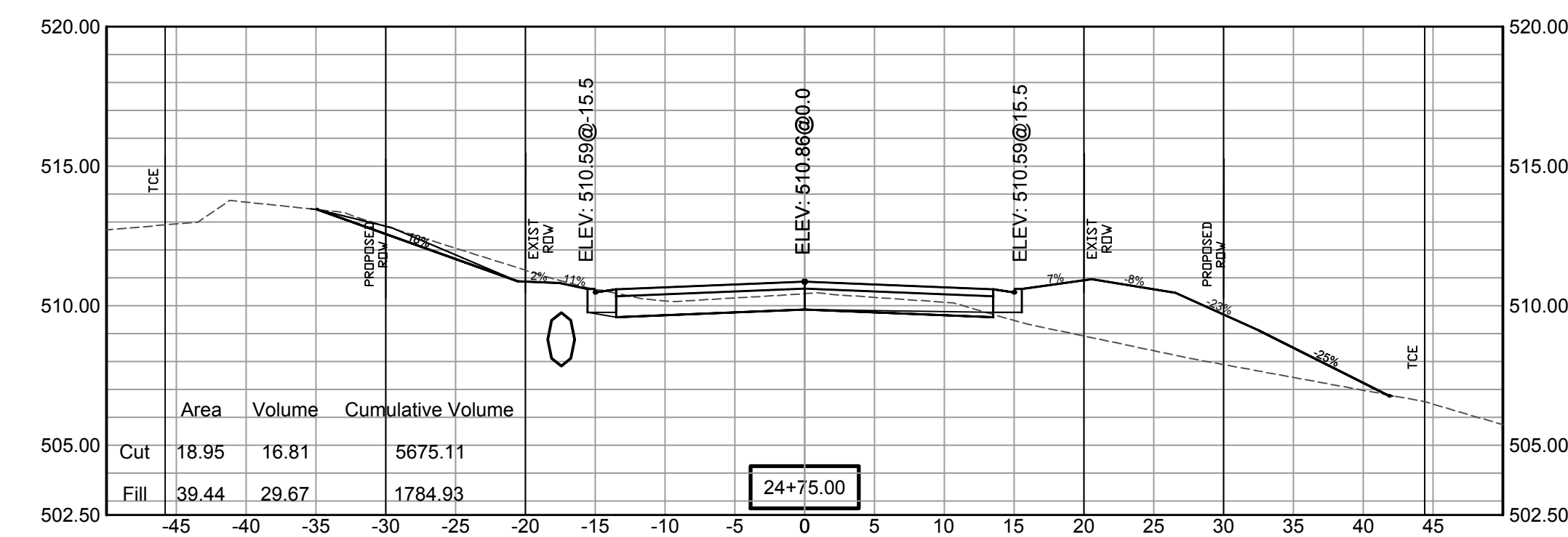
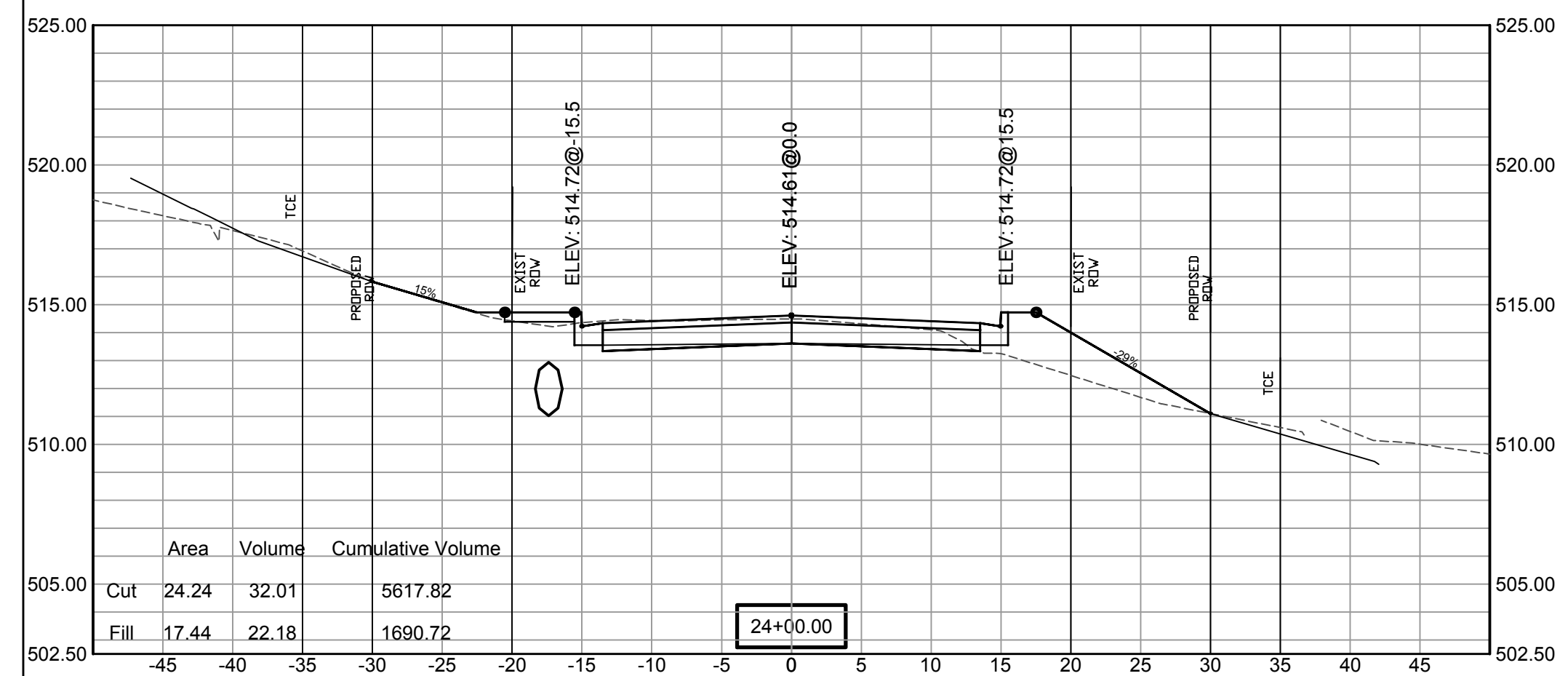
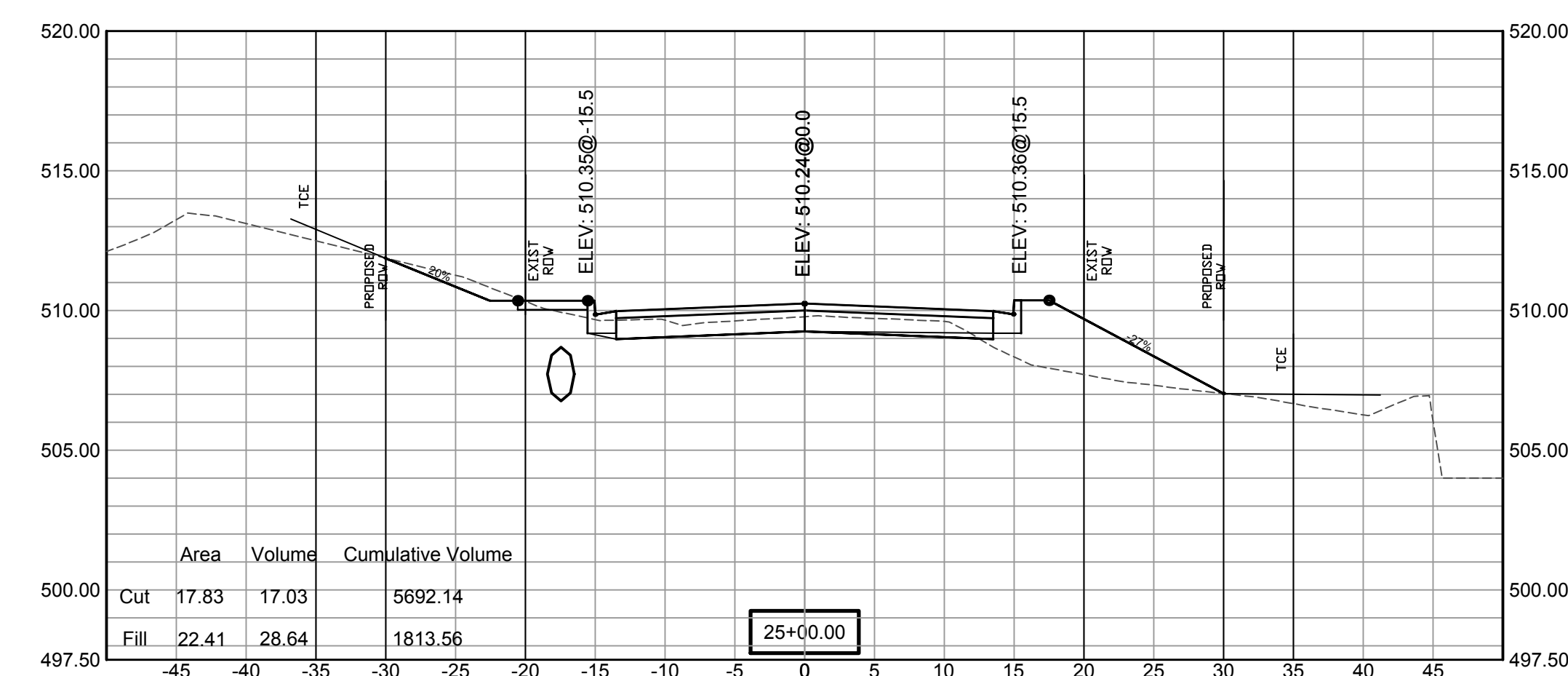
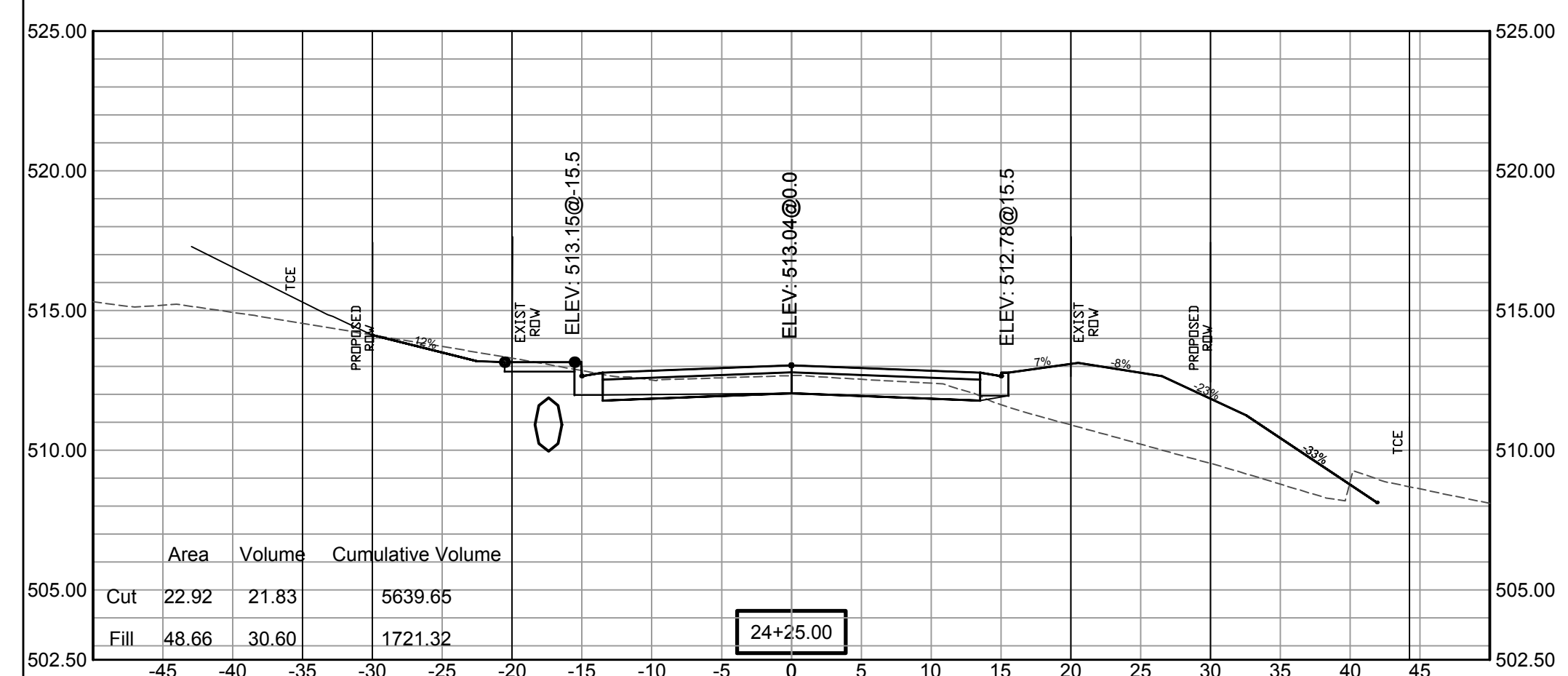
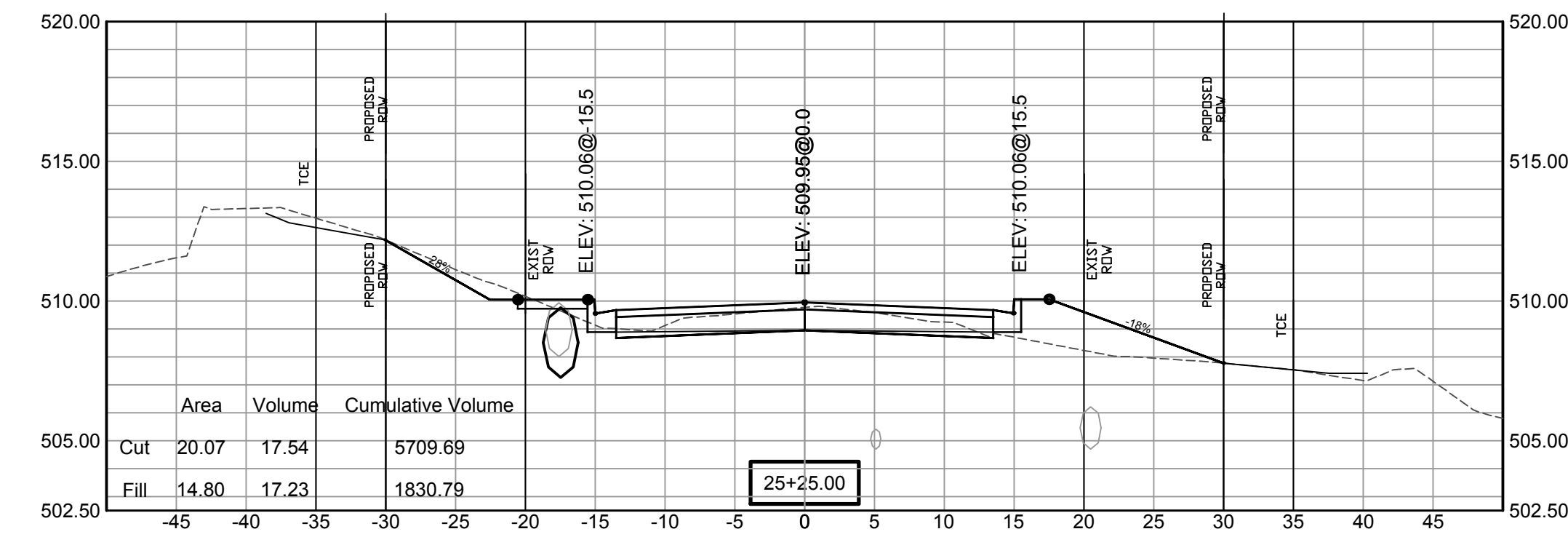
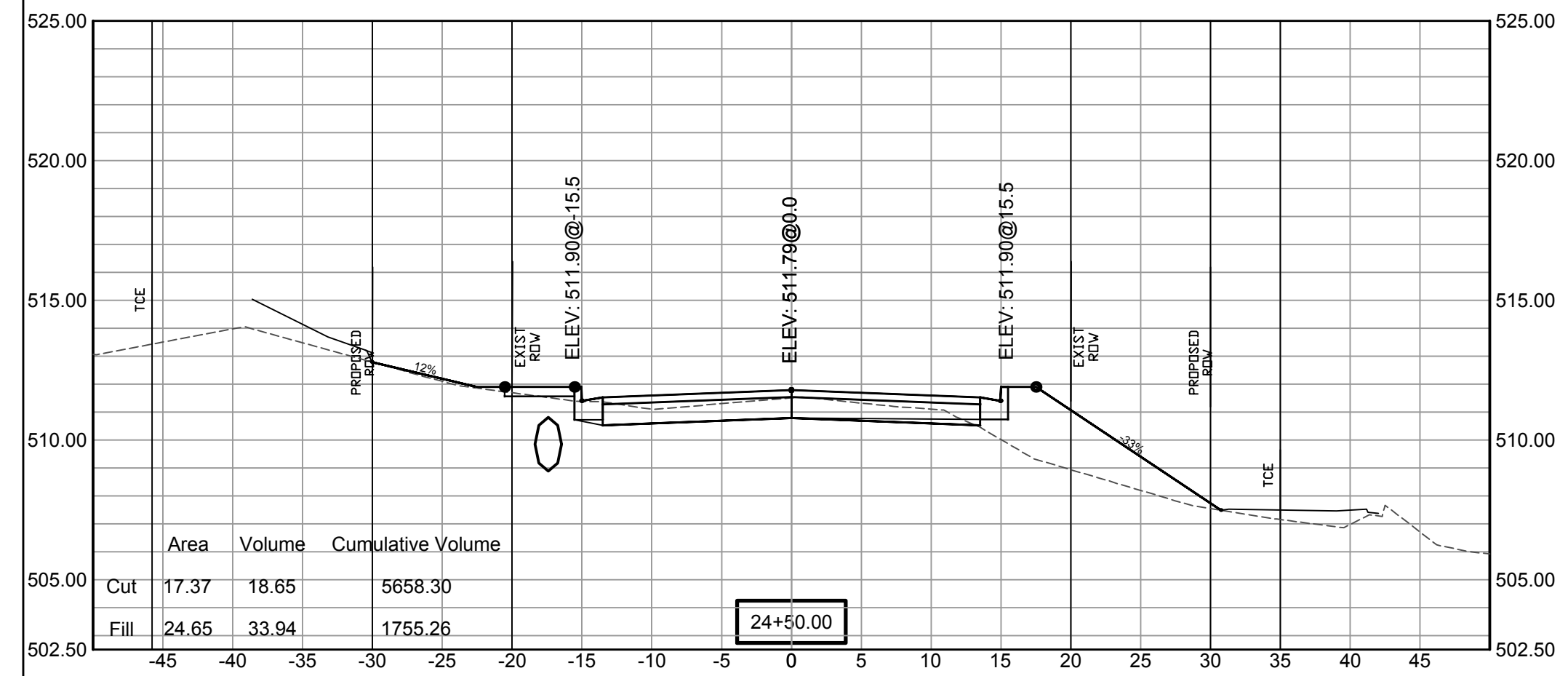
CITY OF LITTLE ROCK, ARKANSAS
GAMBLE RD
CROSS SECTION 16



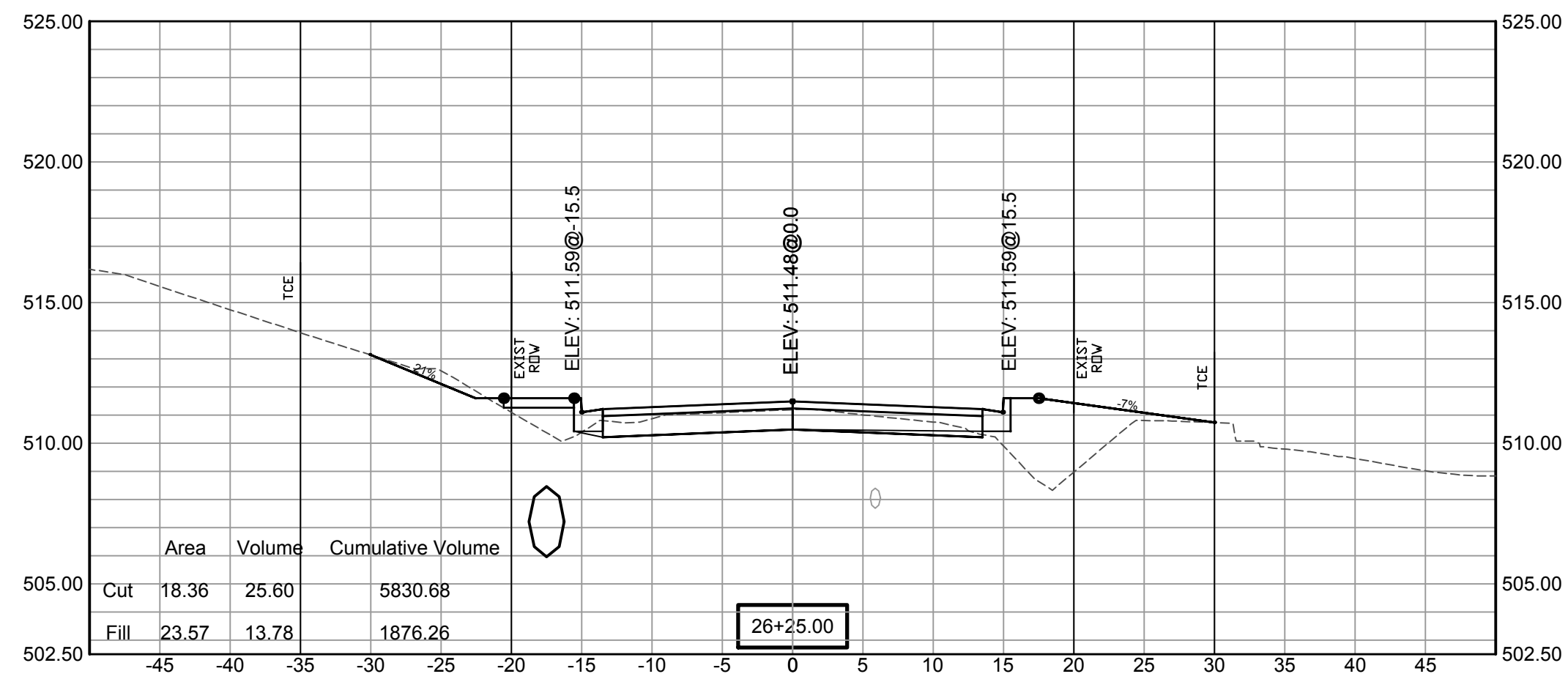
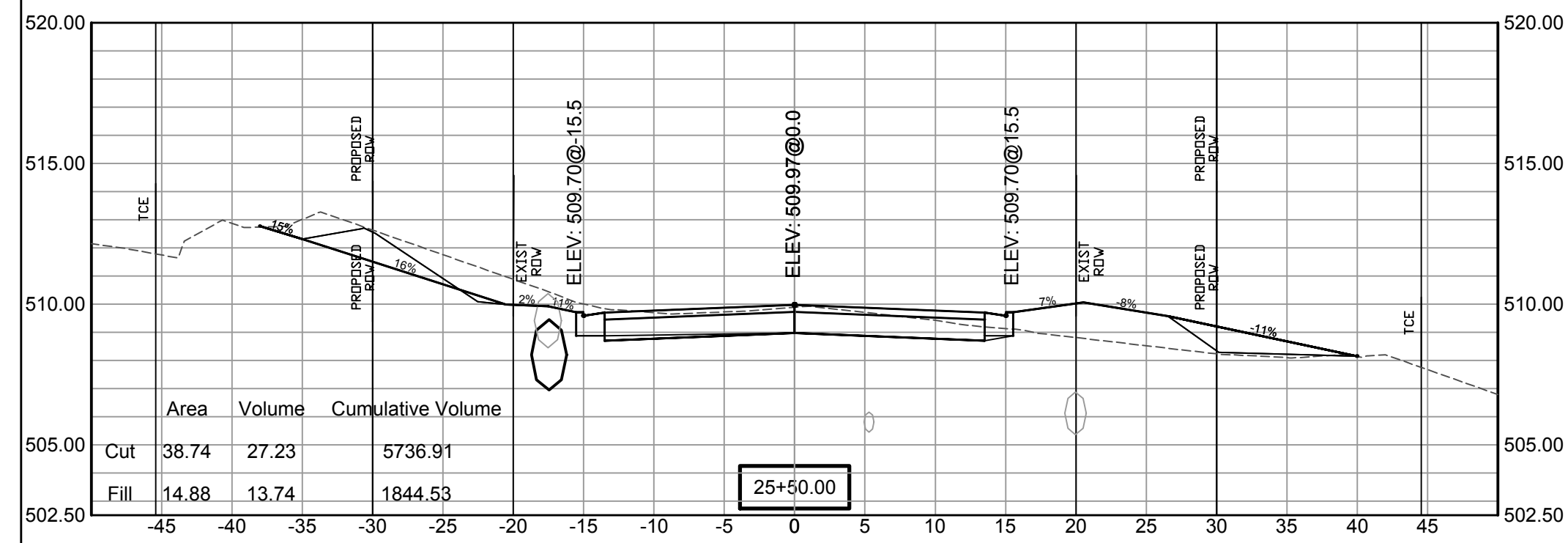
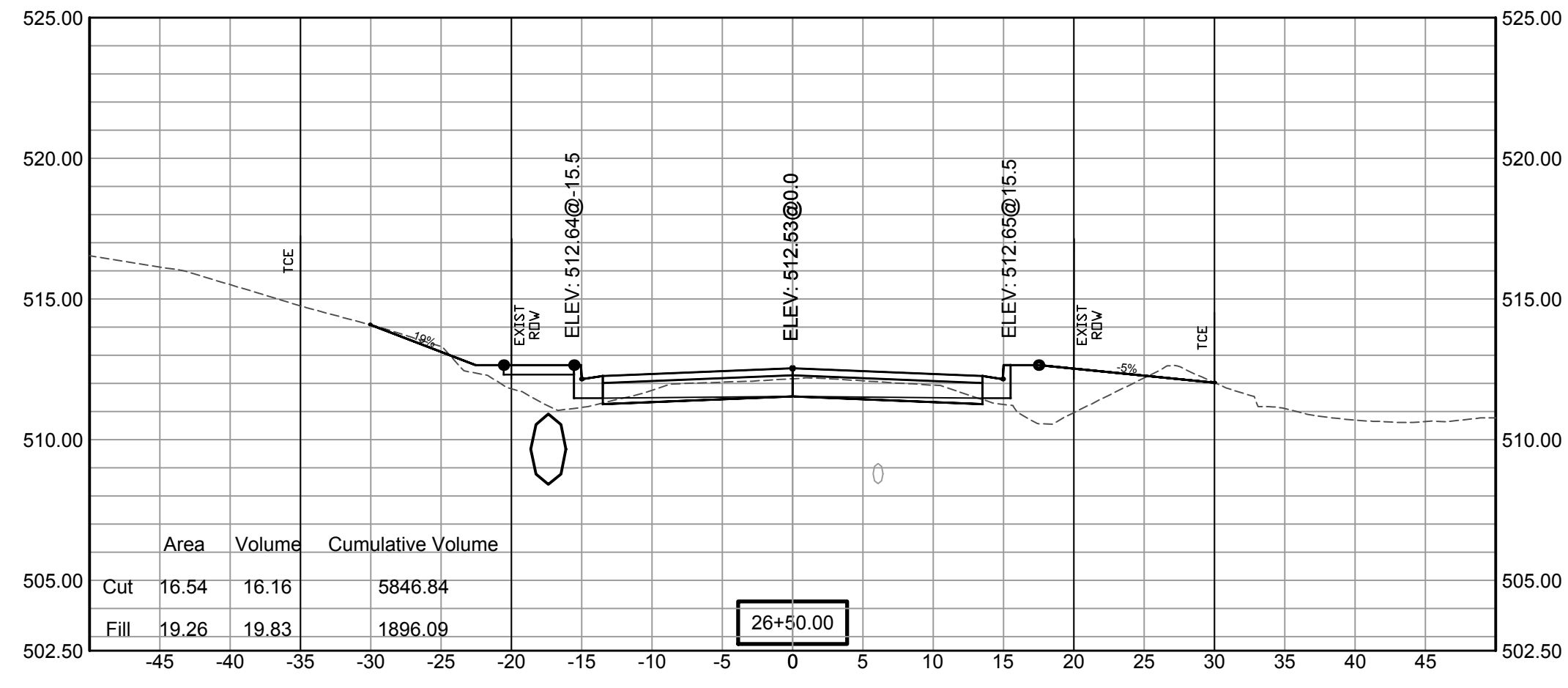
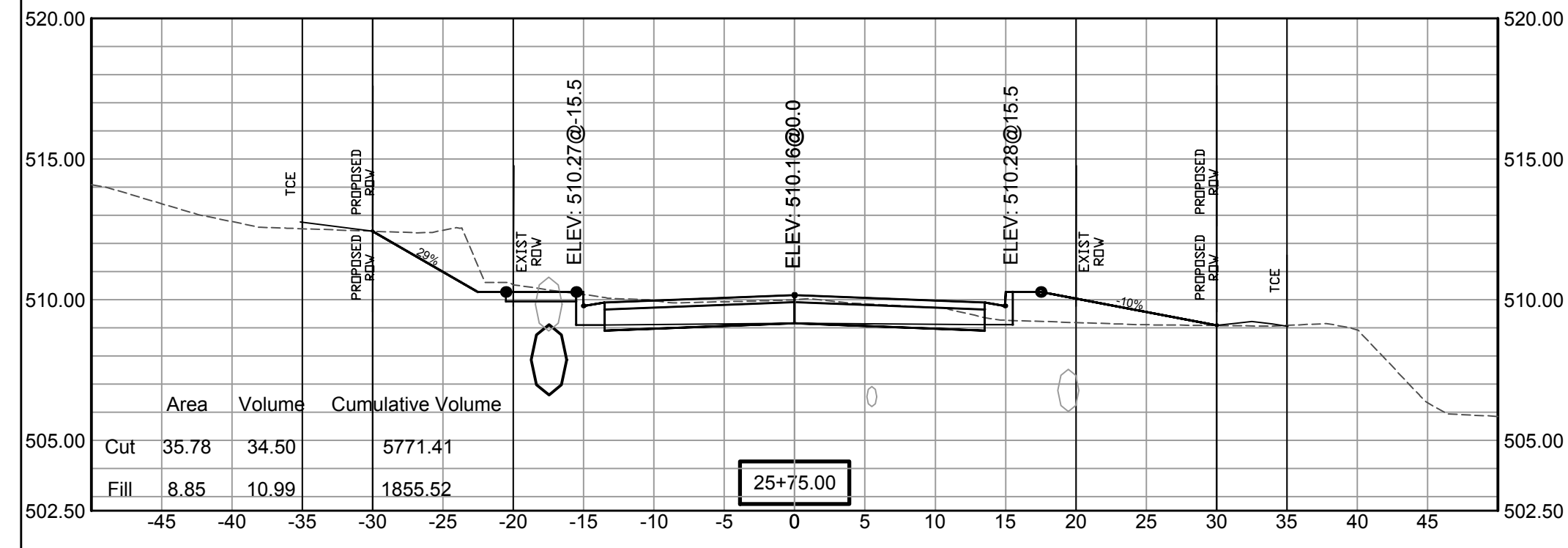
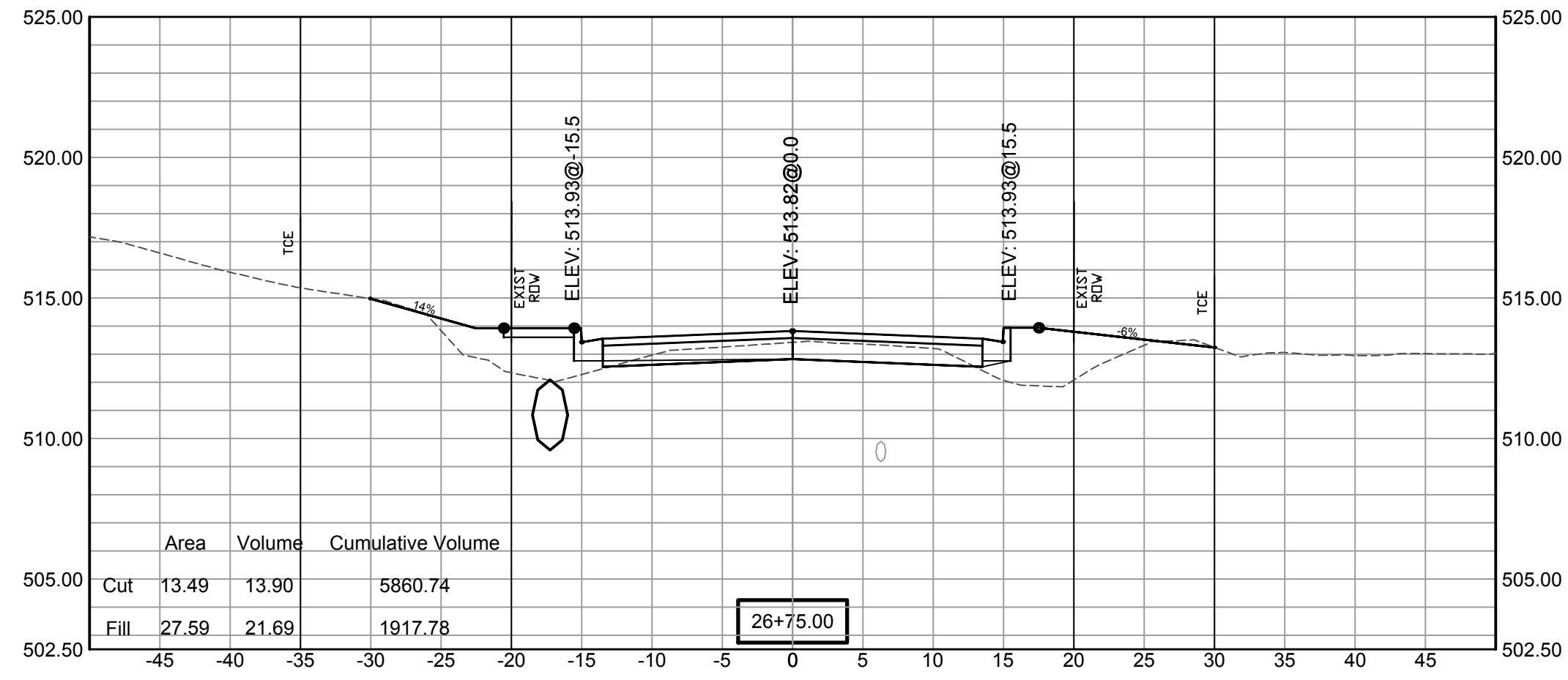
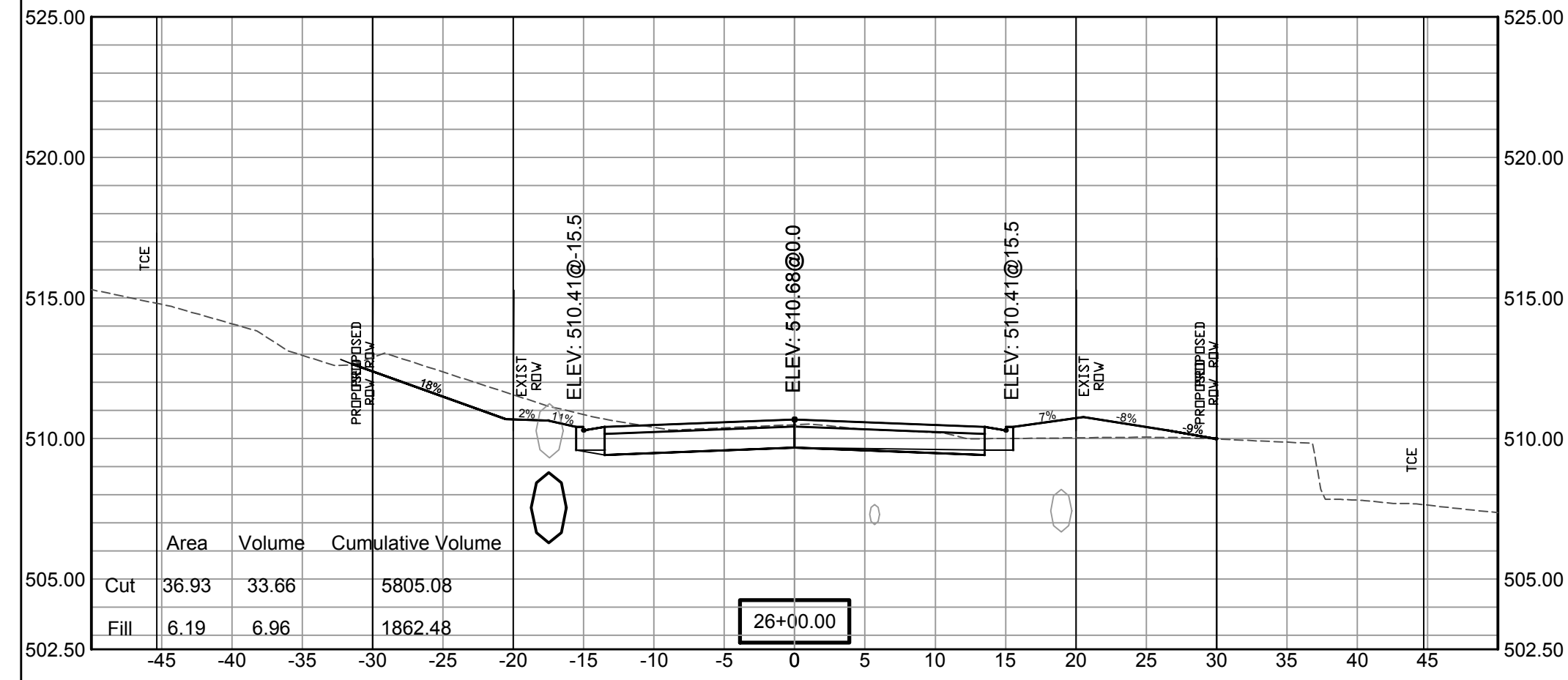
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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



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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

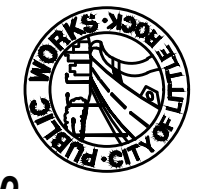
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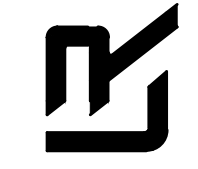
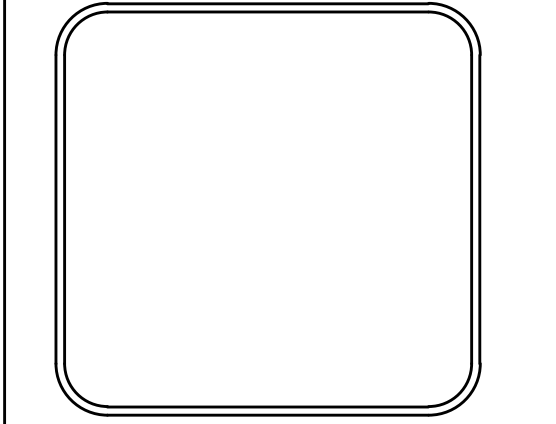
REVISIONS	DATE

100% SUBMITTAL

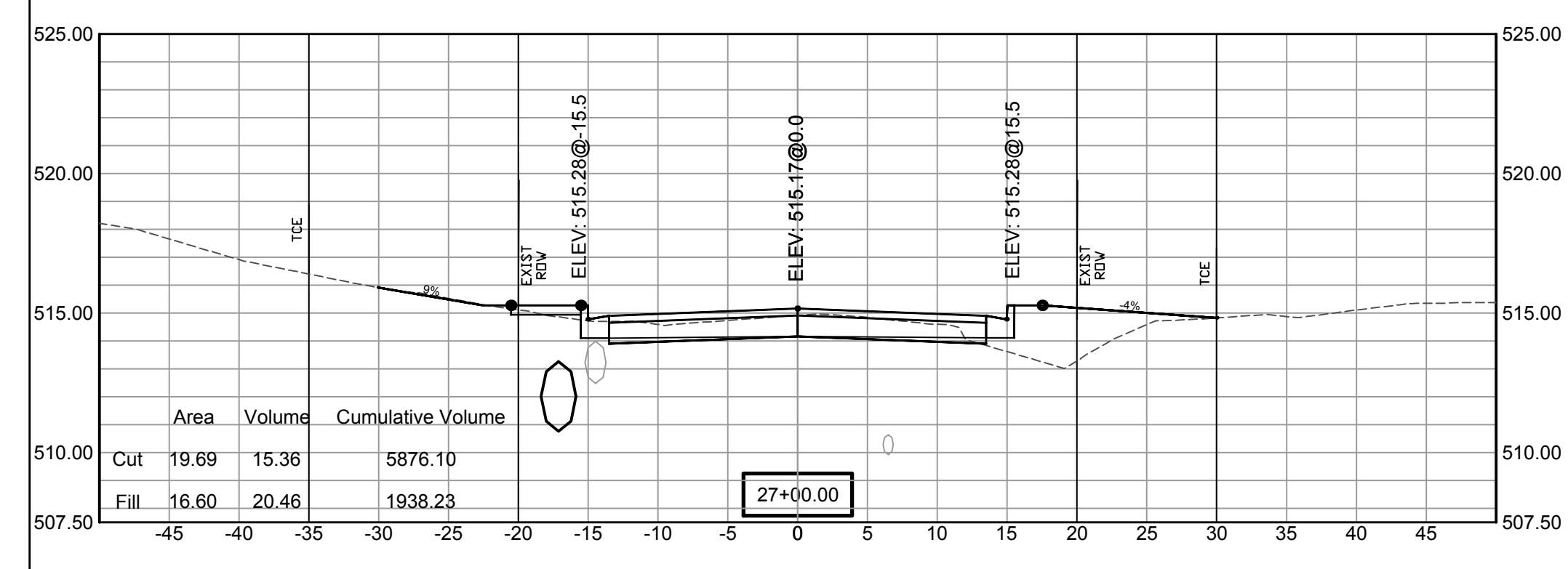
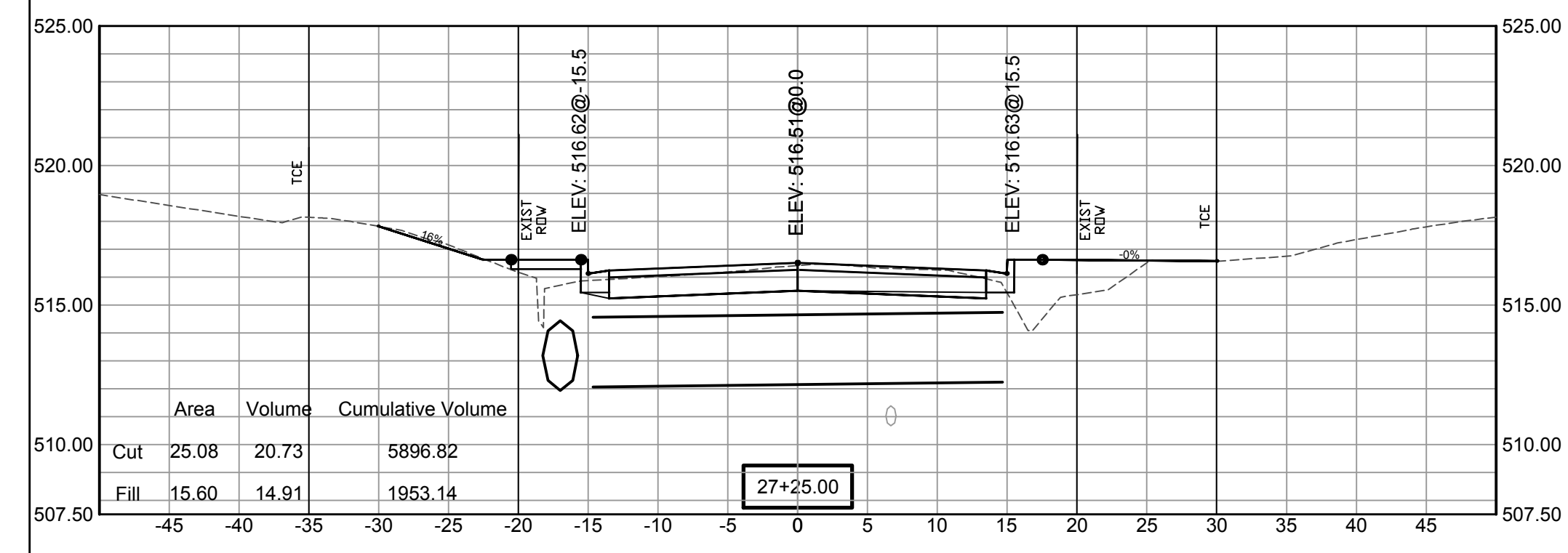
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GAMBLE RD
CROSS SECTION 18



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