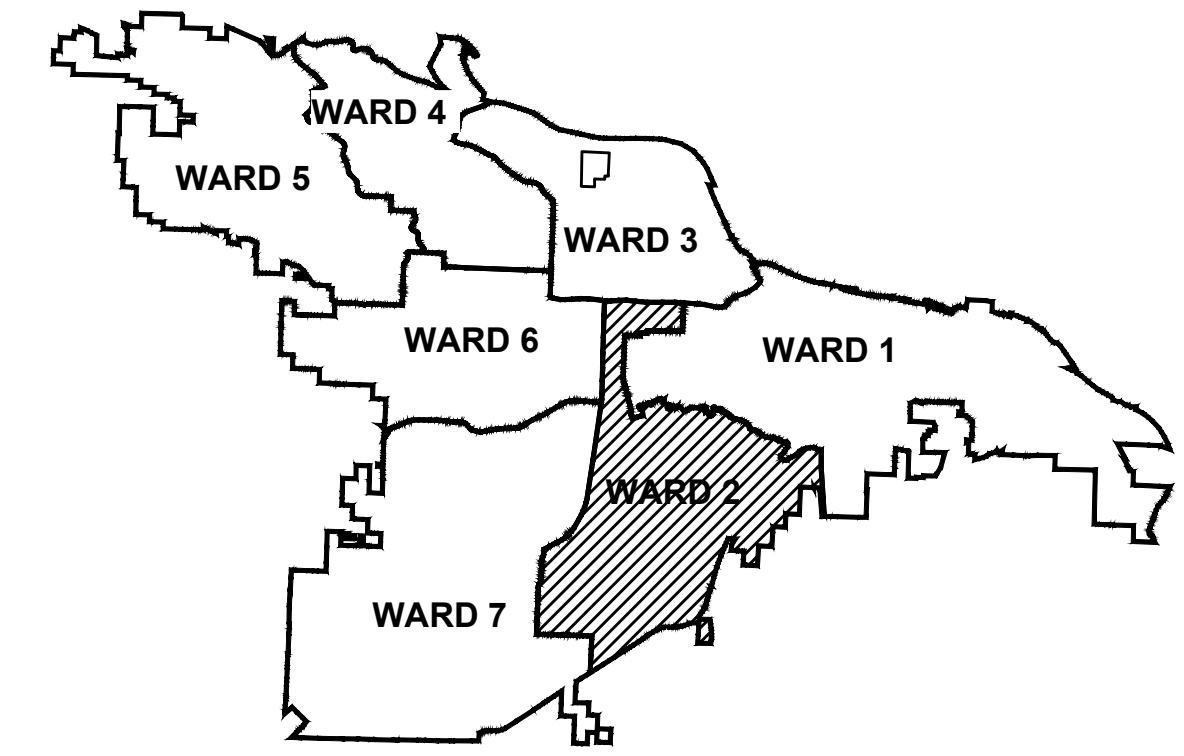


02-22-DR-08

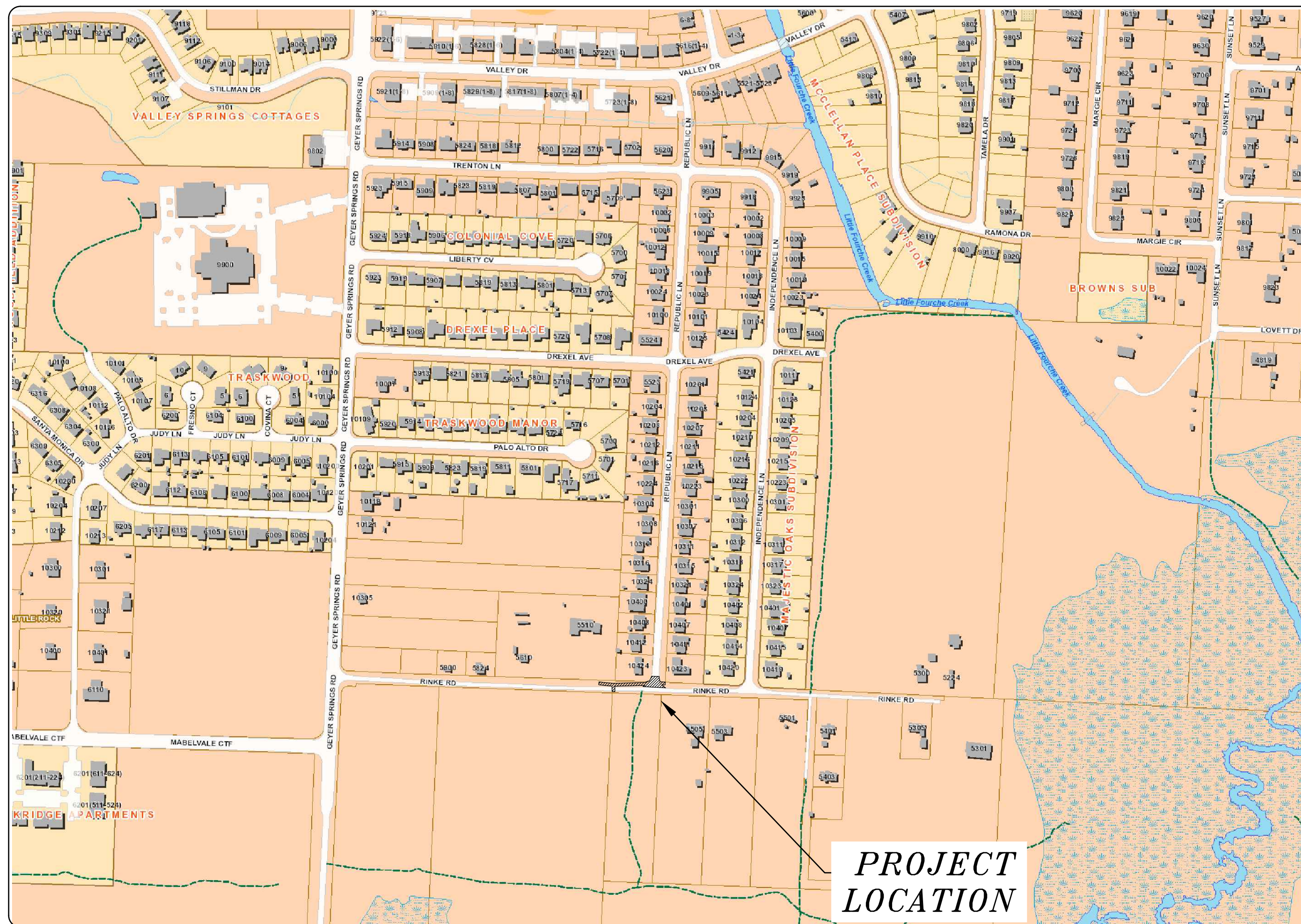
RINKE ROAD AT REPUBLIC

DRAINAGE IMPROVEMENTS

(INTERSECTION WITH REPUBLIC LN)



PROJECT LOCATION - WARD 2



SHEET NO.	TITLE
C 1	COVER SHEET
C 2	LEGEND
C 3	FIELD TIES/LAYOUT SHEET - TBA
C 4	EXISTING CONDITIONS
C 4.1	DRAINAGE PLAN AND PROFILE
C 4.2	STREET, CURB AND GUTTER DETAILS
C 4.3	SECTION VIEWS - DRAINAGE ALIGNMENT
C 5	EROSION CONTROL PLAN - PHASE 1
C 5.1	EROSION CONTROL PLAN - PHASE 2
C 5.2	EROSION CONTROL PLAN - PHASE 3
C 6	MAINTENANCE OF TRAFFIC



2023-2025
BOND PROGRAM

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



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REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
COVER SHEET

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

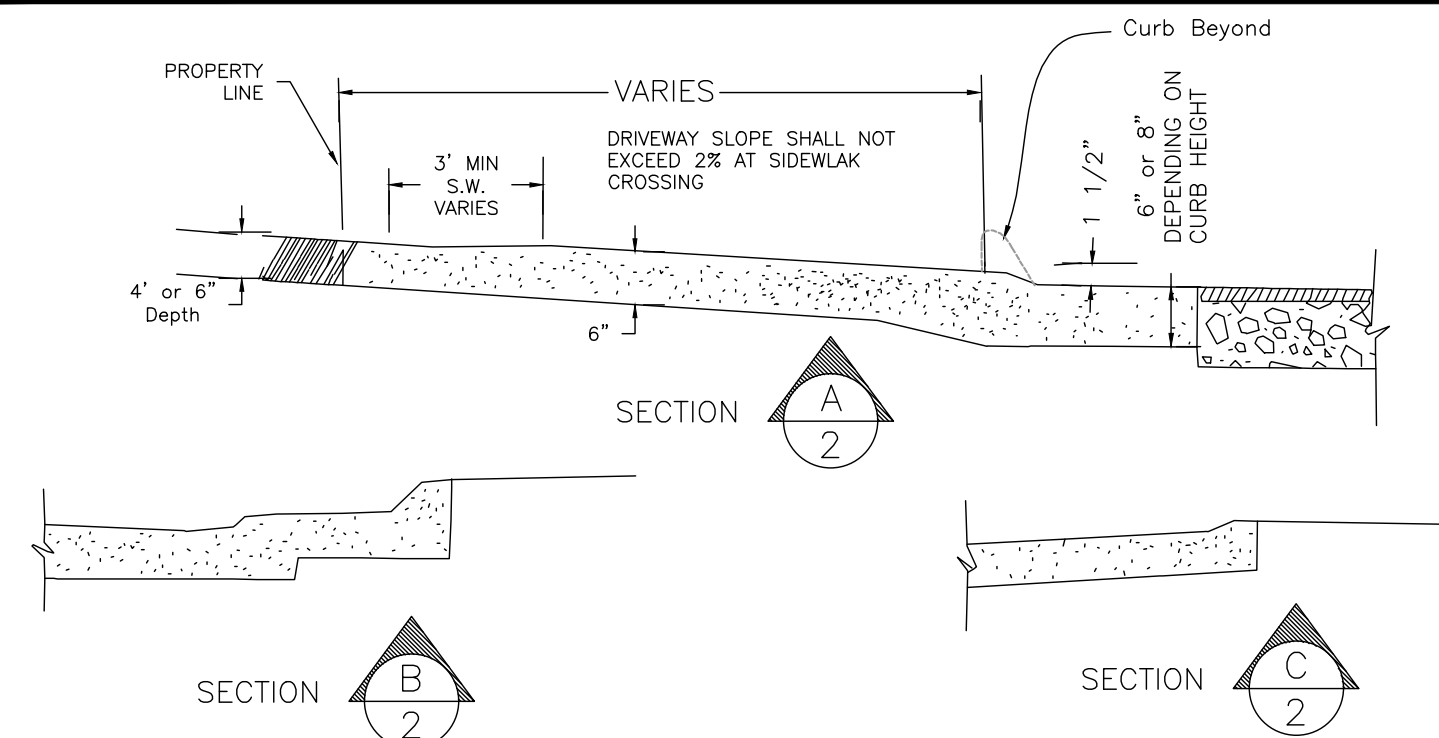


DRAWN BY JNS
DESIGNED JNS
CHECKED AHR
DATE 12/05/2024
SCALE 1" = 300'
PROJECT NO. CLR # 02-22-DR-08
SHEET NO. C1

CLR PROJECT # 02-22-DR-08			
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS			
11/26/2024			
ITEM NO.	DESCRIPTION OF ITEMS	CONTRACT QUANTITY	UNIT
2.01	SITE PREPARATION (INCLUDES TREE REMOVAL QTY 4-6)	1	L.S.
6.01	ACHM SURFACE COURSE	26	TON
7.04	CONCRETE DRIVEWAY/DITCH (4" THICK), STANDARD FINISH	708	S.F.
7.06	CONCRETE DRIVEWAY/DITCH (6" THICK), STANDARD FINISH	225	S.F.
8.03	CONCRETE CURB & GUTTER (CLASS 3)	143	L.F.
10.01	JUNCTION BOX (4")	1	EA
10.01A	JUNCTION BOX (6"), WITH OPENING IN BACK (PW-2)	1	EA
10.04	CURB INLET - 4" BOX, WITH OPENING IN BACK (PW-2)	2	EA
10.07	WING 3' EXTENSION	4	EA
13.18RC	STORM DRAIN PIPES, 18" CROSS DRAIN	58	L.F.
13.18RC	STORM DRAIN PIPES, 18" SIDE DRAIN	12	L.F.
13.24RC	STORM DRAIN PIPES, 24" CROSS DRAIN	110	L.F.
13.24RC	STORM DRAIN PIPES, 24" SIDE DRAIN	20	L.F.
14.01	SOLID SODDING (BERMUJA)	188	S.Y.
16.01	MAINTENANCE OF TRAFFIC	1	L.S.
17.01	PAVEMENT REPAIRS (PW-25)	26	S.Y.
19.01	FINAL CLEAN UP	1	L.S.
24.05	ROCK DAM (RD)	8	EA
24.14	STORM DRAIN INLET PROTECTION (ST)	2	EA
26.10	TRENCH & EXCAVATION SAFETY	1	L.S.
27.10	COLD MILLING EXISTING ASPHALT AS NEEDED	209	S.Y.

CIVIL GENERAL NOTES

- ANY DAMAGE TO LANDSCAPING AREAS, YARDS, FENCES OR SIGNS SHALL BE RESTORED TO CONDITION SATISFACTORY TO THE CITY OF LITTLE ROCK PUBLIC WORKS.
- DISTURBED GRASS AREAS SHALL BE REPLACED BY TOPSOIL AND SEEDING OR HYDROMULCH.
- ARKANSAS STATE LICENSING LAW FOR COMMERCIAL CONTRACTORS ACT 150 OF 1965 AND ACT 162 OF 1987 (AS AMENDED) REQUIRES THE INSTALLATION CONTRACTOR TO HAVE A VALID CONTRACTOR'S LICENSE.
- ALL WORK SHALL CONFORM AS APPLICABLE TO THE CITY OF LITTLE ROCK PUBLIC WORKS DEPARTMENT STANDARD DETAILS FOR STREET AND DRAINAGE FACILITIES IMPROVEMENTS.
- REFER TO TECHNICAL SPECIFICATIONS IN THE PROJECT MANUAL FOR SPECIFIC MATERIAL AND PRODUCT REQUIREMENTS.

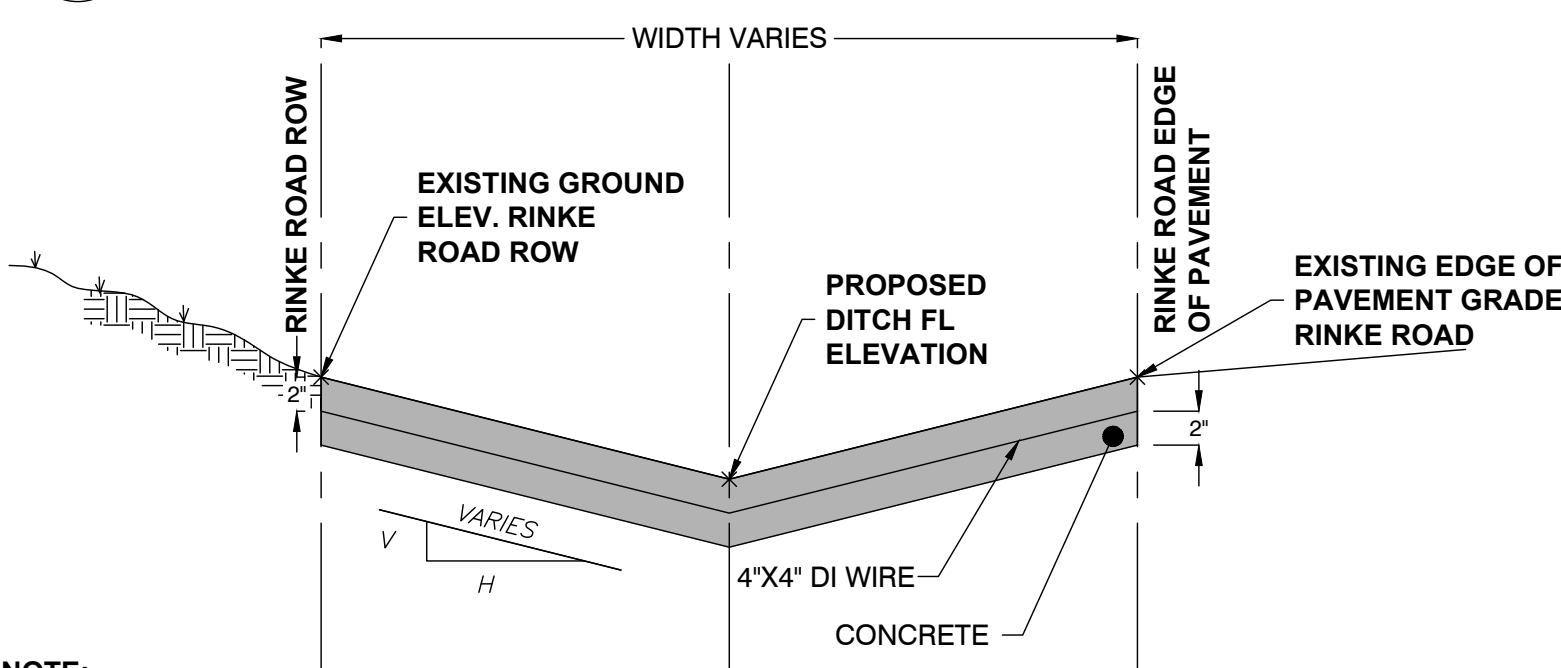


- DRIVEWAY GRADE NOT TO EXCEED CITY ORDINANCE REQUIREMENTS STATED IN SECTION 31-210. FIELD ADJUSTMENT MAY BE REQUIRED AT CERTAIN LOCATIONS TO ENSURE PROPER RELATION BETWEEN DRIVEWAY AND STREET GRADES.
- DRIVEWAYS SHALL BE CONSTRUCTED TO PROPERTY LINE WITH CONCRETE WHERE SIDEWALK EXISTS.
- DRIVEWAY APRON SHALL BE CONSTRUCTED MONOLITHICALLY WITH CUTTER SECTION UNLESS DOWLED INTO GUTTER SECTION WITH 1/2" DOWELS 18" LONG AT 12" ON CENTER AND APPROVED BY ENGINEER.
- DRIVEWAY GRADES SHALL BE DESIGNED BY ENGINEER TO KEEP STORMWATER IN STREET 2% MINIMUM SLOPE AT SIDEWALK CROSSING, MAXIMUM % OF GRADE CHANGE IS 16. SEE DETAILS PW36-40 FOR TYPICAL GRADING DETAIL.

NOTE:
CONCRETE USED FOR CONSTRUCTION OF DRIVEWAY(S) SHALL BE CONSTRUCTED (MIXED, INSTALLED) ACCORDING TO CITY OF LITTLE ROCK SPECIFICATIONS.

6 RESIDENTIAL DRIVEWAY DETAILS AND NOTES (CLR PW-31)

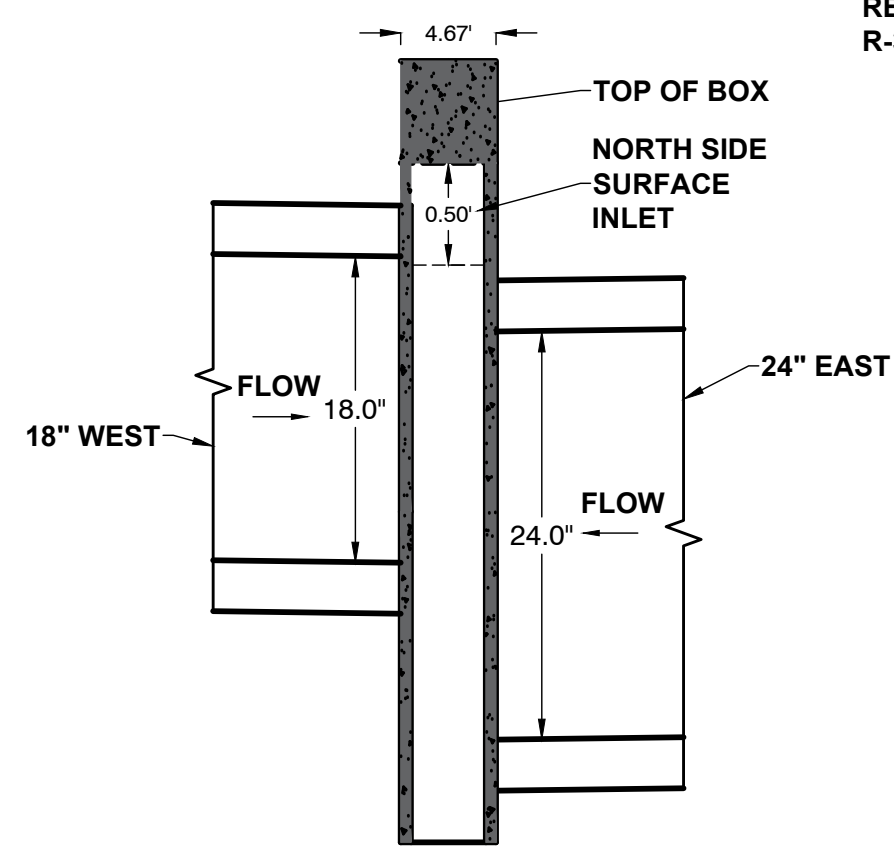
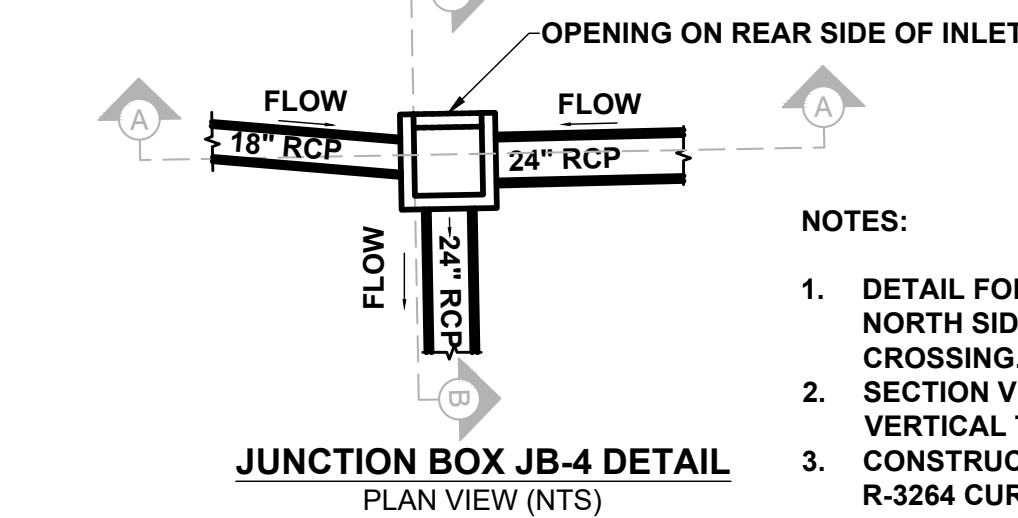
SCALE: NTS



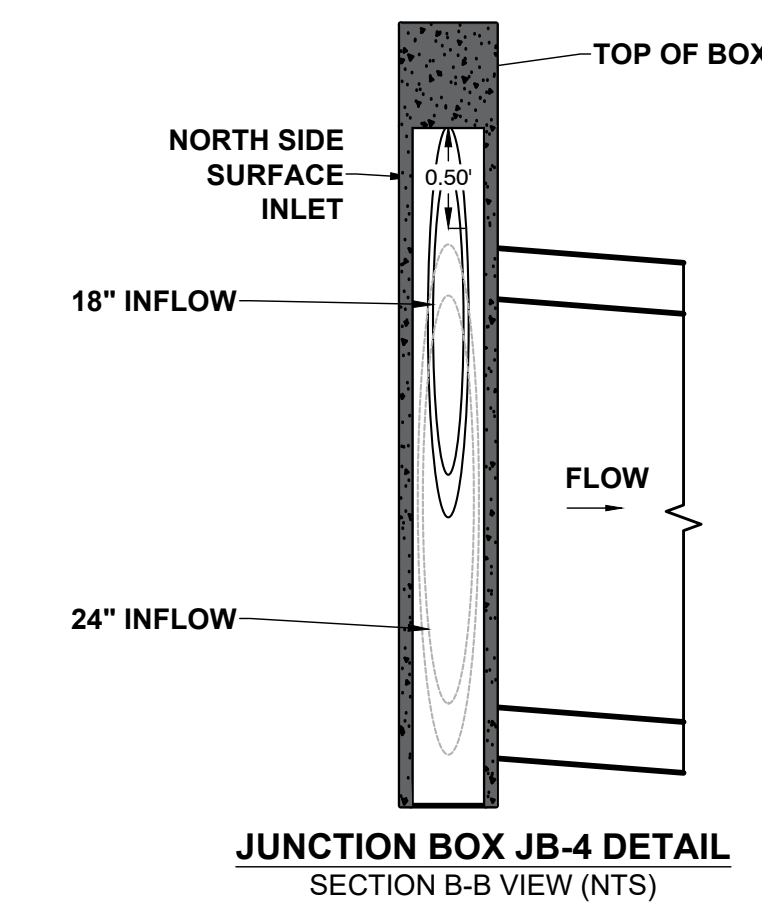
NOTE:
CONCRETE USED FOR CONSTRUCTION OF CONCRETE DITCH SHALL BE CONSTRUCTED (MIXED, INSTALLED) ACCORDING TO THE SAME SPECIFICATIONS AS THAT WHICH IS REQUIRED FOR THE PROPOSED CURB AND GUTTER ON THIS PROJECT. REFER TO CITY OF LITTLE ROCK SPECIFICATIONS.

1 V-BOTTOM CONCRETE DITCH DETAIL

SCALE: NTS



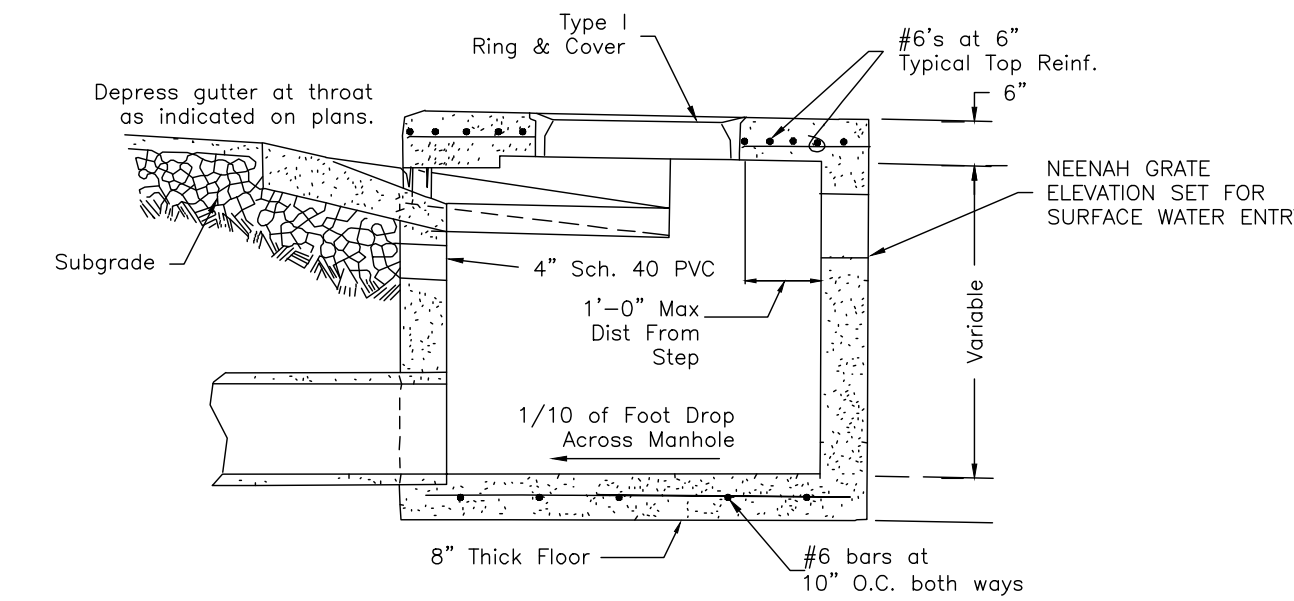
JUNCTION BOX JB-4 DETAIL SECTION A-A VIEW (NTS)



JUNCTION BOX JB-4 DETAIL SECTION B-B VIEW (NTS)

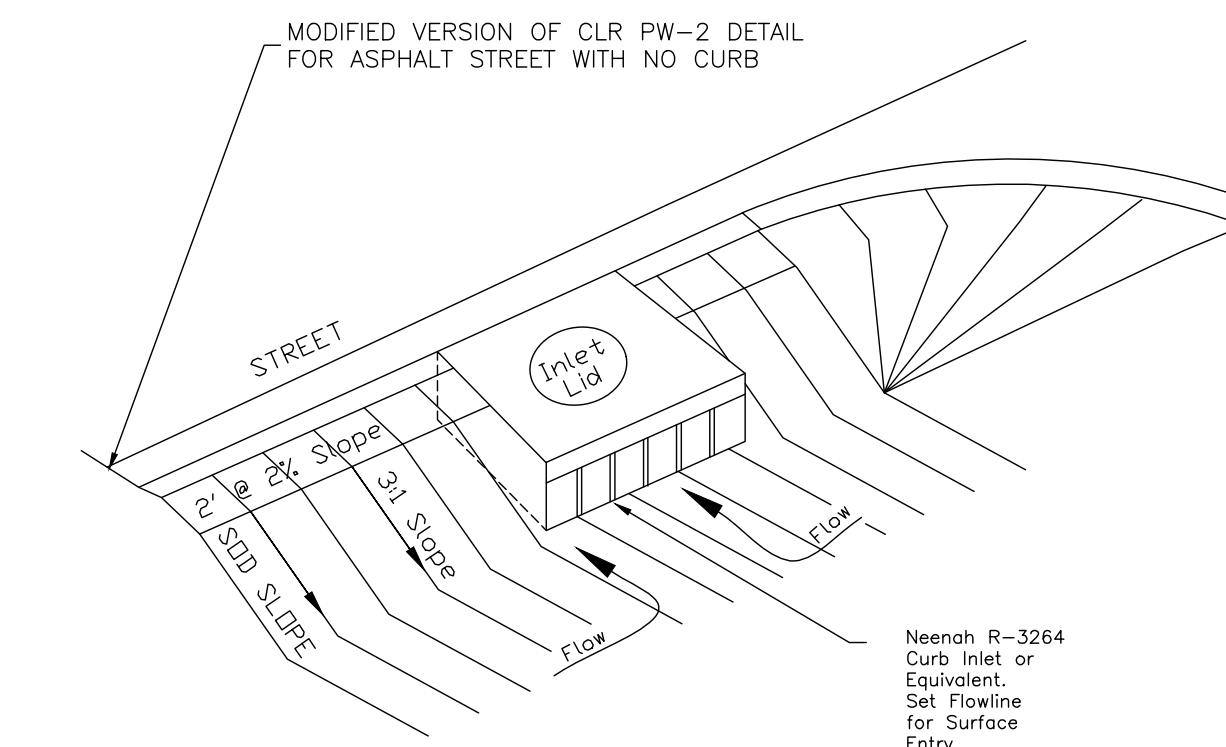
2 JUNCTION BOX JB-4 PLAN AND SECTION DETAIL

SCALE: NTS



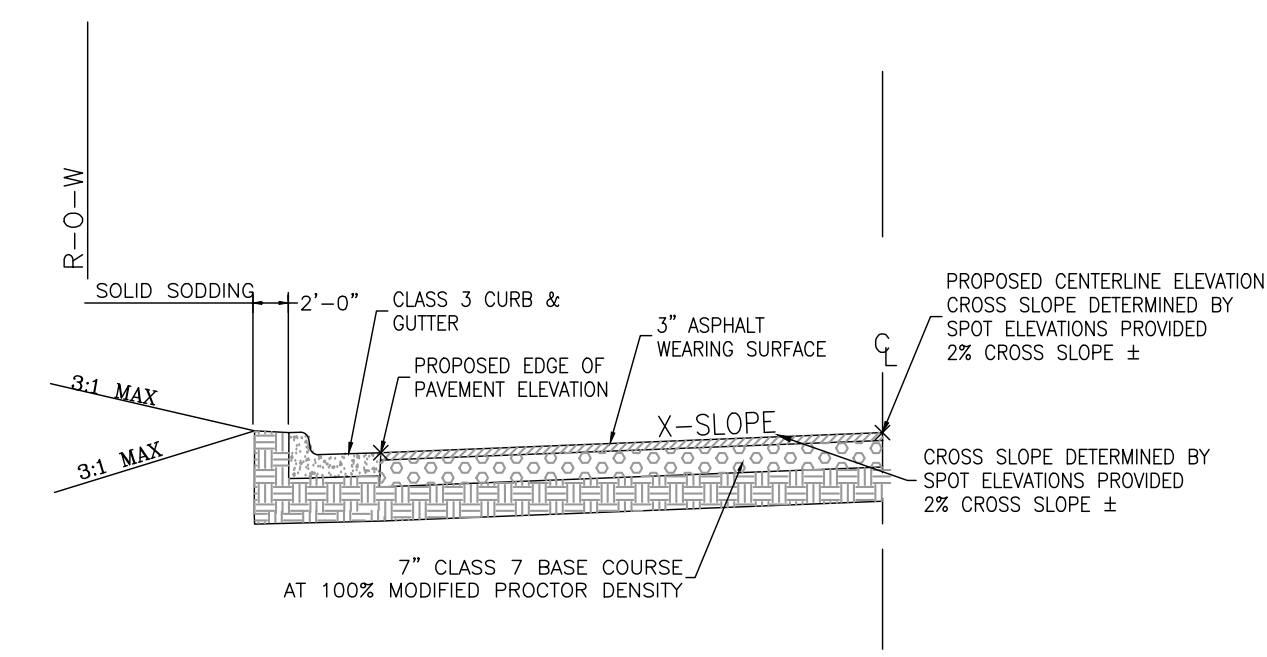
3 INLET WITH BACK OPENING FOR SURFACE WATER (CLR PW-2 MODIFIED)

SCALE: NTS



4 STREET REPAIR SECTION DETAIL

SCALE: NTS



- GENERAL NOTES**
- IN AREAS TO RECEIVE BITUMINOUS PAVING, CONCRETE DRIVEWAYS, OR CURB AND GUTTER, SUBGRADE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 10% OF MAXIMUM DENSITY OBTAINED AT OPTIMUM MOISTURE CONTENT. (ASTM T-180)
 - FOR AREAS OF SUBGRADE PREPARATION TO RECEIVE CONCRETE SIDEWALKS, SUBGRADE SHALL BE COMPACTED TO A DENSITY OF 90% MAXIMUM (ASTM T-180).
 - CRUSHED STONE - MATERIAL IN EACH COURSE SHALL BE COMPACTED TO A DENSITY OF 100% MAXIMUM (ASTM T-191).
 - CENTERLINE PROFILE WILL REQUIRE HEIGHT GREATER THAN CURB FOR SOME STREETS TO MAINTAIN 2% CROSS-SLOPE.
- THICKNESS SHALL BE DETERMINED BY SOIL TEST AND PAVEMENT DESIGN IF REQUIRED BY DEPARTMENT OF PUBLIC WORKS.
20'-0" PAVEMENT FOR MINOR RESIDENTIAL WHERE APPROVED BY CITY.

*NOTE: PAVEMENT RECONSTRUCTION TO CENTERLINE IS REQUIRED WHEN EXISTING STREET DOES NOT MEET THESE STANDARDS.

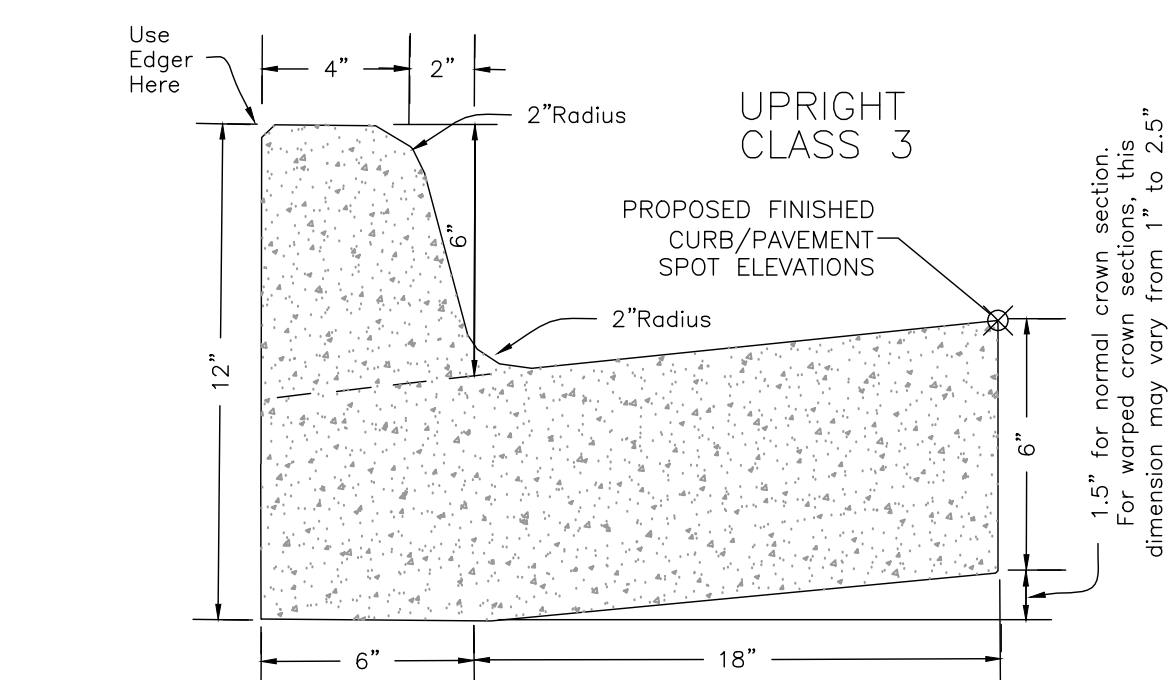
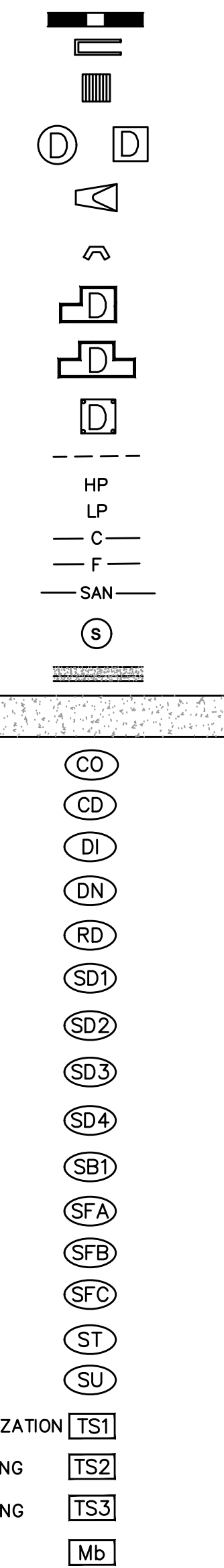
EXISTING

- IRON ROD
- PK NAIL
- R.R. SPIKE
- CONC. MONUMENT
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- GUARD POST (BOLLARD)
- 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
- OAK TREE REMOVAL (AS DISPLAYED ON EXISTING CONDITIONS SHEET)
- OAK TREE
- PINE TREE REMOVAL (AS DISPLAYED ON EXISTING CONDITIONS SHEET)
- PINE TREE
- BUSH
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CURB
- FENCE
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- OVERHEAD CABLE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE
- WATER LINE
- SEWER LINE
- GAS LINE
- STORM SEWER/CULVERT
- EDGE OF WOODS
- CONTOUR LINE
- FIBER OPTIC
- UNDERGROUND COMMUNICATIONS



PROPOSED

- 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 - SINGLE WING
- STORM SEWER - DOUBLE WING
- STORM SEWER - AREA INLET
- GRADE BREAK LINE
- HIGH POINT
- LOW POINT
- CUT LINE
- FILL LINE
- SANITARY SEWER PIPE
- SANITARY SEWER MANHOLE
- PROPOSED CURB
- PROPOSED CONCRETE
- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATting/BLANKETS



Install 1/2" Bituminous Expansion Joint Material At 100' Max. Intervals Or At Tie Ins To Boxes, Radius Returns Or Driveway Aprons. Control Joints 15' Max. O.C.
Joint Sealant Shall be Sonneborn SL2 Self Leveling Urethane as Manufactured by Chemrex or Equivalent.

5 CLASS 3 CURB AND GUTTER

SCALE: NTS

REVISIONS	DATE
-	-

CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
GENERAL NOTES, LEGEND AND QUANTITIES

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



DRAWN BY
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DESIGNED
JNS
CHECKED
AHR
DATE
12/05/2024
SCALE
N/A
PROJECT NO.
CLR # 02-22-DR-08
SHEET NO.
C2

SURVEY BENCHMARKS				
NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP- 1	SN1	117350.5658	1209999.0597	269.235
CP- 3	SN3	117328.1044	1209644.9325	270.232
CP- 1122	1/2" RB	117279.2900	1210477.2600	267.470

PI COORDINATES - MAIN STORM ALIGNMENT		
STATION	NORTHING	EASTING
0+03.49	117329.6591	1209501.570
0+23.47	117349.6399	1209501.201
1+32.88	117352.2907	1209610.573
1+44.27	117357.2377	1209620.836
2+01.89	117354.0679	1209678.370

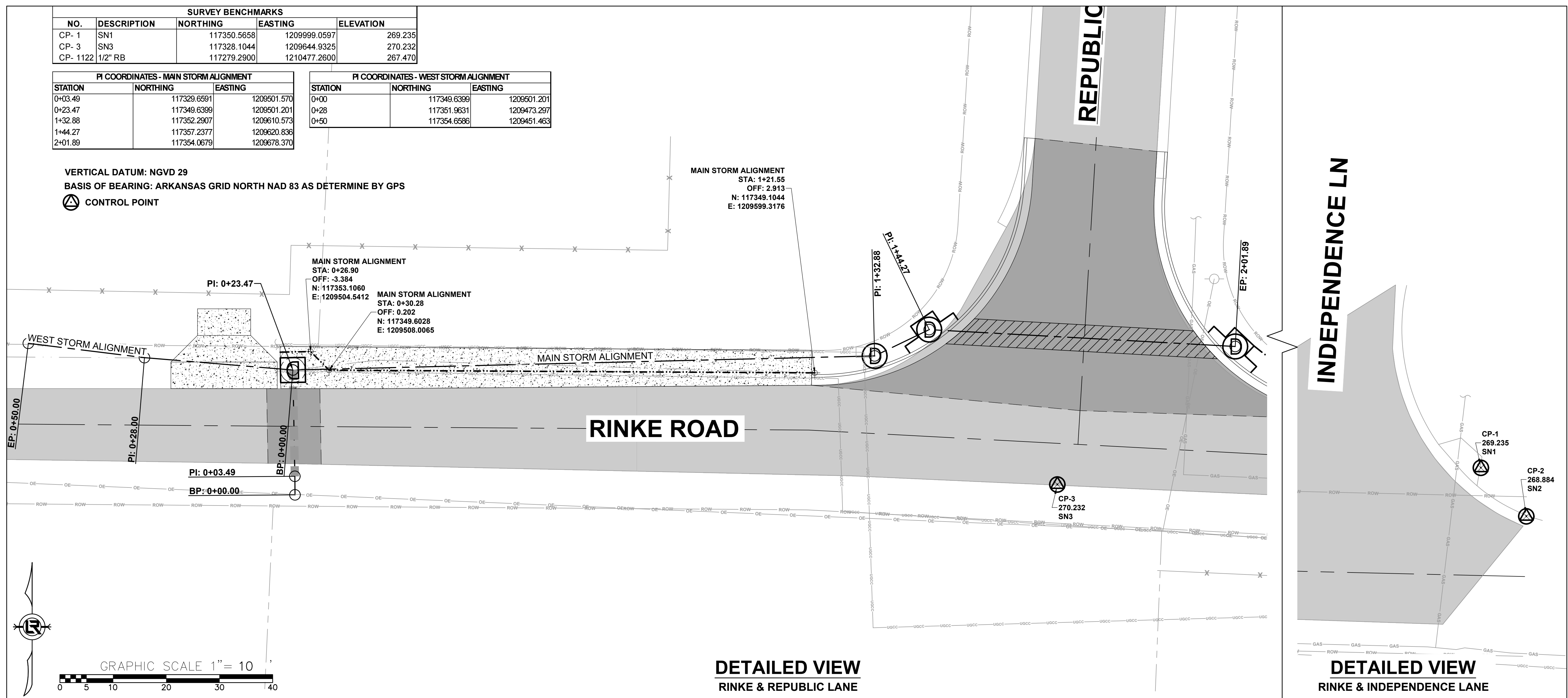
PI COORDINATES - WEST STORM ALIGNMENT		
STATION	NORTHING	EASTING
0+00	117349.6399	1209501.201
0+28	117351.9631	1209473.297
0+50	117354.6586	1209451.463

VERTICAL DATUM: NGVD 29
BASIS OF BEARING: ARKANSAS GRID NORTH NAD 83 AS DETERMINE BY GPS
 CONTROL POINT

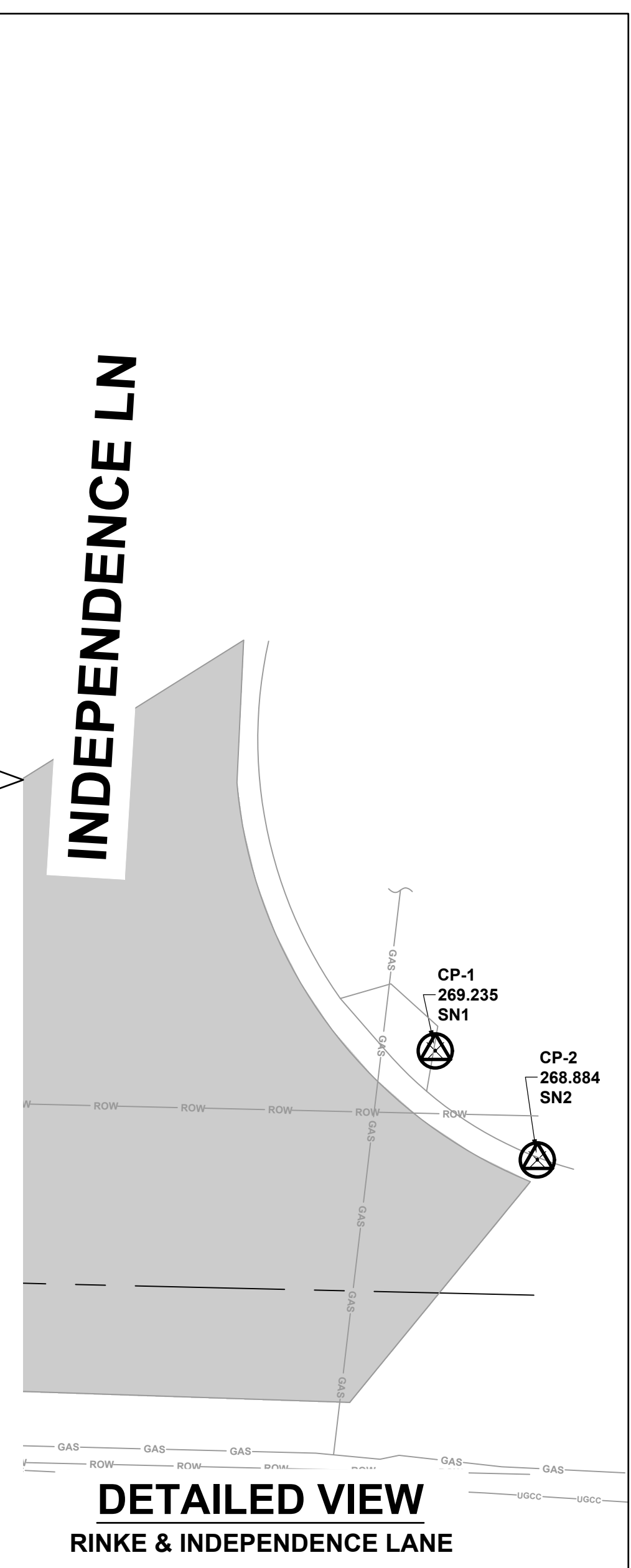
MAIN STORM ALIGNMENT
STA: 1+21.55
OFF: 2.913
N: 117349.1044
E: 1209599.3176

MAIN STORM ALIGNMENT
STA: 0+26.90
OFF: -3.384
N: 117353.1060
E: 1209504.5412

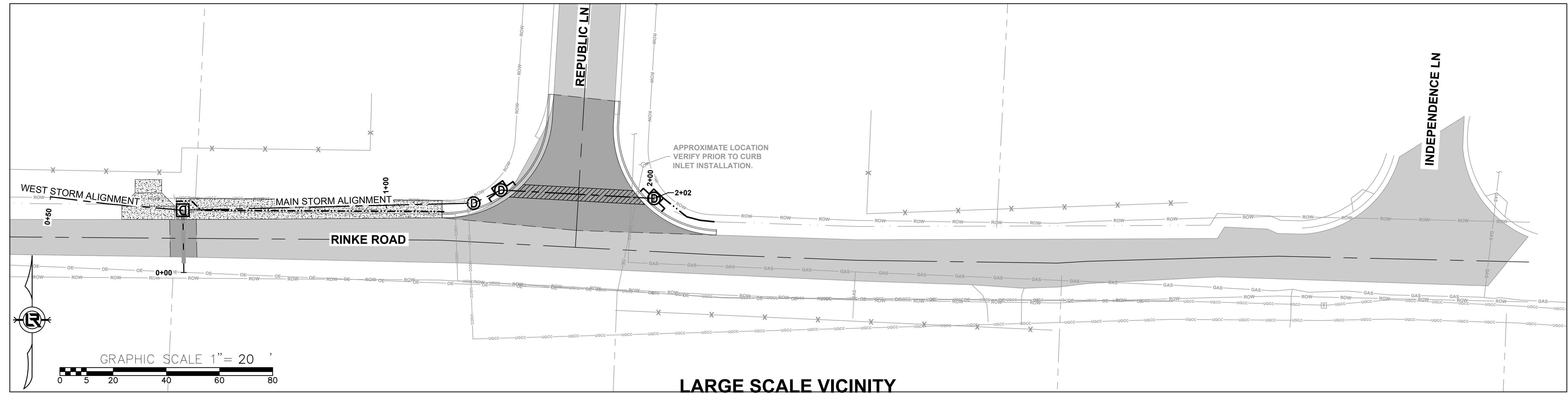
MAIN STORM ALIGNMENT
STA: 0+30.28
OFF: 0.202
N: 117349.6028
E: 1209508.0065



DETAILED VIEW
RINKE & REPUBLIC LANE



DETAILED VIEW
RINKE & INDEPENDENCE LANE



LARGE SCALE VICINITY

REVISIONS	DATE

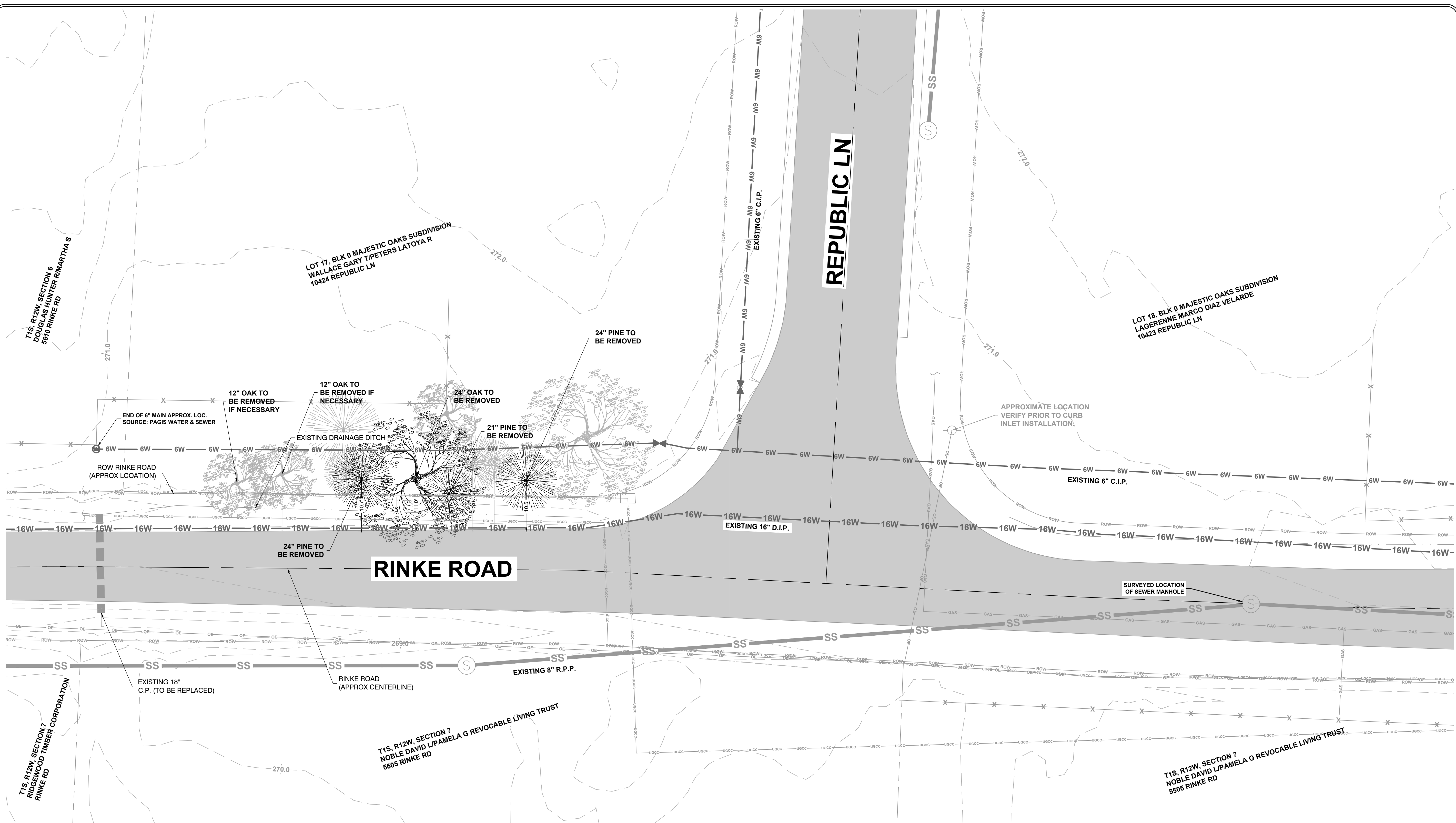
CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
FIELD TIES/LAYOUT SHEET

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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LITTLE ROCK, ARKANSAS 72201

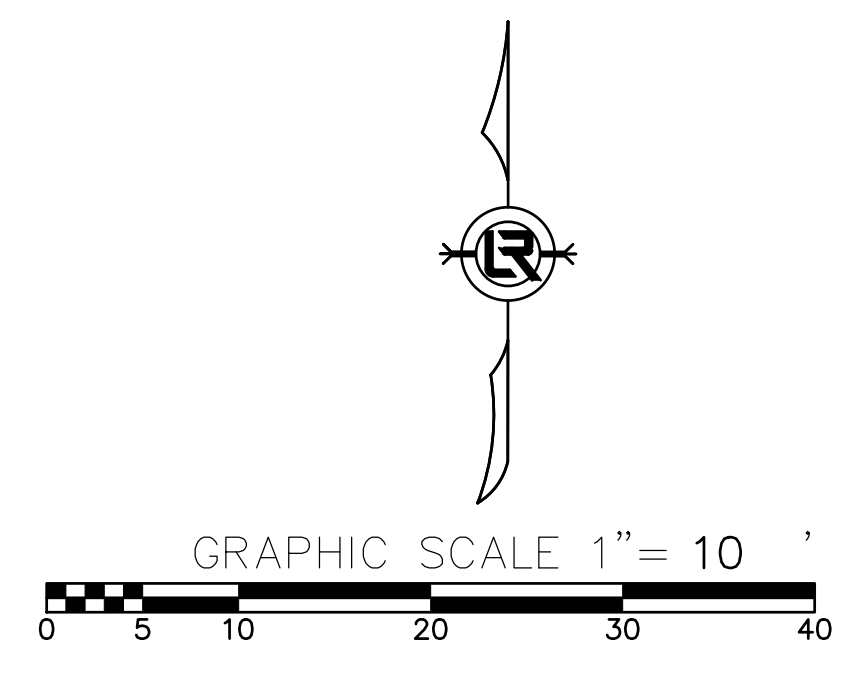


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AHR
DATE
12/05/2024
SCALE
AS NOTED
PROJECT NO.
CLR # 02-22-DR-08
SHEET NO.
C3

N:_HEL\Legacy\Public\client\Folders A - DICTLR City of Little Rock\23422 Engineering Serv for LR (4 projects)\02-22-DR-08 Rinke Road at Republic Drainage Improvements\Drawings\100 Percent\CLR Rinke Site 20241206.dwg



- NOTES:**
- EXISTING UTILITIES ARE APPROXIMATE LOCATIONS BASED ON PAGIS WATER / WASTEWATER & LRWA SEWER MAP UNLESS OTHERWISE NOTED ON PLANS
 - EXISTING SEWER MAIN MATERIAL IS REINFORCED PLASTIC PIPE ACCORDING TO LRWA SEWER MAP
 - EXISTING WATER MAINS IN PROJECT VICINITY ARE CAST IRON PIPE AND DUCTILE IRON PIPE ACCORDING TO PAGIS WATER / WASTEWATER MAP



REVISIONS	DATE

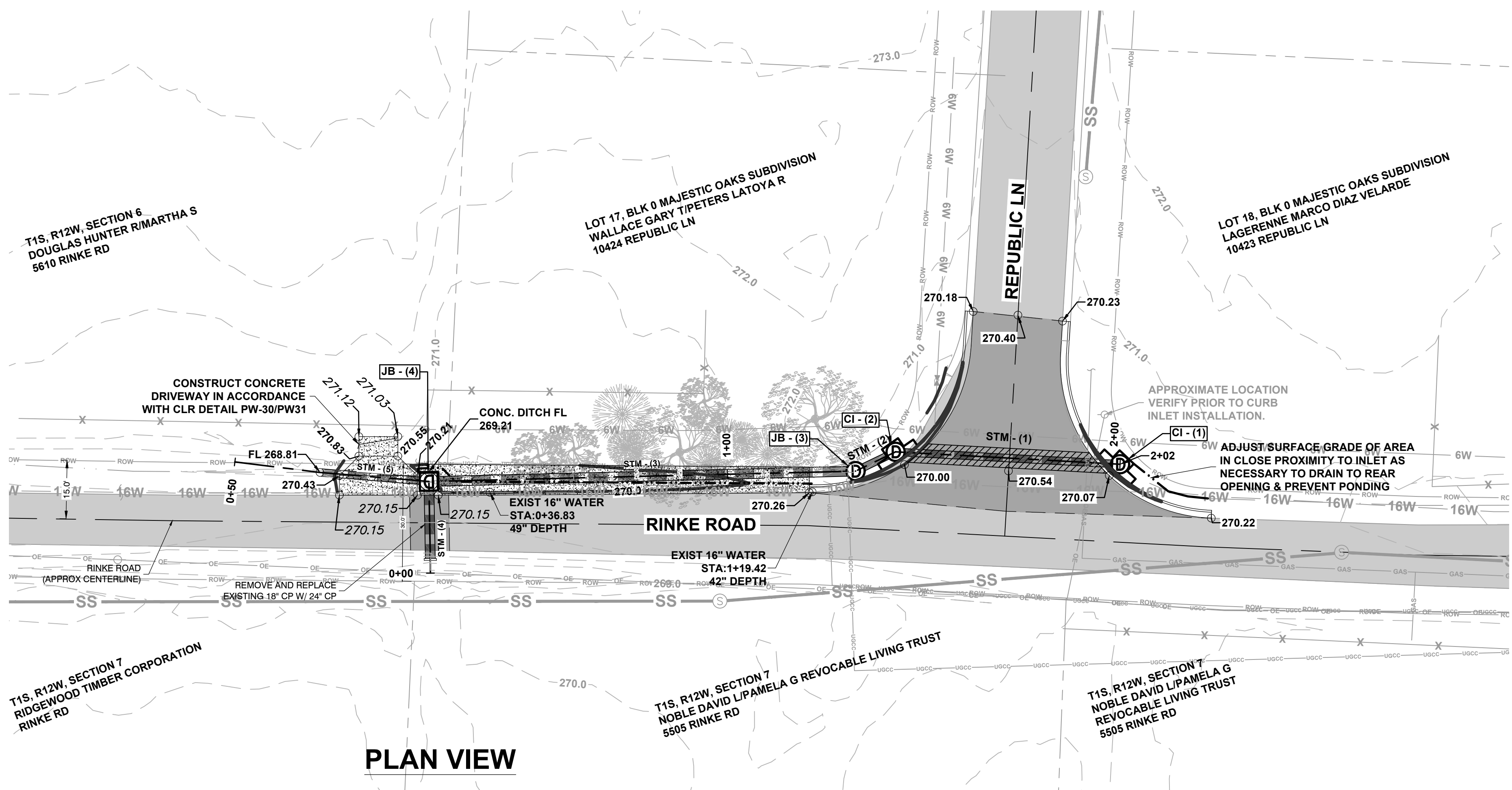
CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
 EXISTING CONDITIONS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
 701 W. MARKHAM
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AHR
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SCALE
H: 1" = 10'
PROJECT NO.
CLR # 02-22-DR-08
SHEET NO.
C4

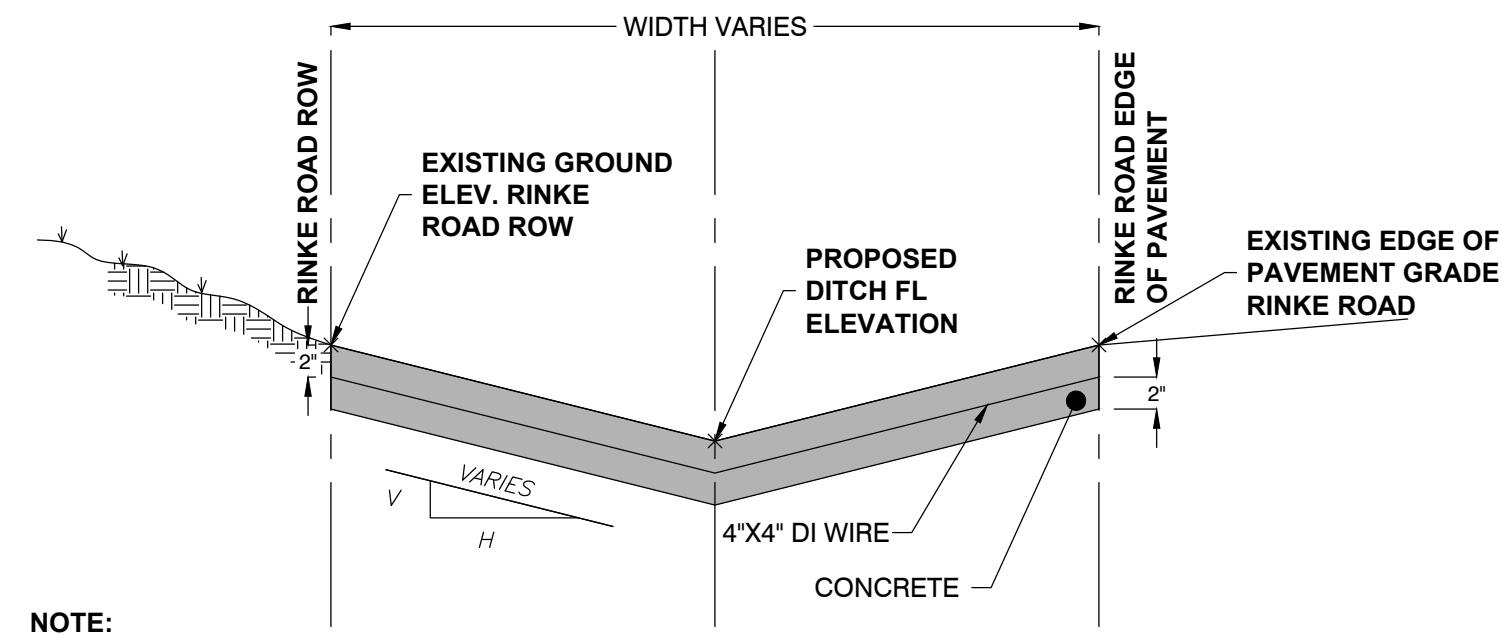
N:_HEL\Legacy\Public\client\Folders A - DICTLR City of Little Rock\23422 Engineering Serv for LR (4 projects)\02-22-DR-08 Rinke Road at Republic Drainage Improvements\Drawings\100 Percent\CLR Rinke Site 20241206.dwg



PLAN VIEW

NOTES:

1. PROPOSED SPOT ELEVATIONS DISPLAYED ON PLAN ARE EDGE OF CURB/PAVEMENT OR PROPOSED CENTERLINE.
2. ALL PROPOSED SPOT ELEVATIONS ARE FINISHED GRADE/FINISHED PAVEMENT
3. EXISTING UNDERGROUND UTILITIES SHOWN ON DRAINAGE PLAN ARE APPROXIMATE LOCATIONS ONLY BASED UPON PAGIS AND LRWA (LITTLE ROCK WATER RECLAMATION AUTHORITY) UTILITY MAPS.
4. UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED PRIOR TO GROUND DISTURBING ACTIVITIES
5. CONTRACTOR MUST CALL ONE CALL TO MARK UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK
6. COORDINATE WITH AT&T ON RELOCATION OF AT&T BOX CONFLICTING WITH LOCATION OF PROPOSED JB-3.
7. CONSTRUCT CONCRETE DRIVEWAY AS SHOWN ON PLAN ACCORDING TO CLR DETAIL PW-30/31.
8. LOCATION OF POWER POLE NEAR PROPOSED CURB INLET 1 IS APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR PRIOR TO CURB INLET INSTALLATION. COORDINATE CONSTRUCTION OF CURB INLET WITH UTILITY PROVIDER TO RELOCATE AS NEEDED.
9. SEE DETAIL 5 FOR CONSTRUCTION OF CONCRETE DITCH ALONG NORTH SIDE OF RINKE ROAD.
10. ALL TREES PROPOSED TO BE REMOVED SHALL BE CONSIDERED IN QUANTITIES AS A PORTION OF SITE PREP.

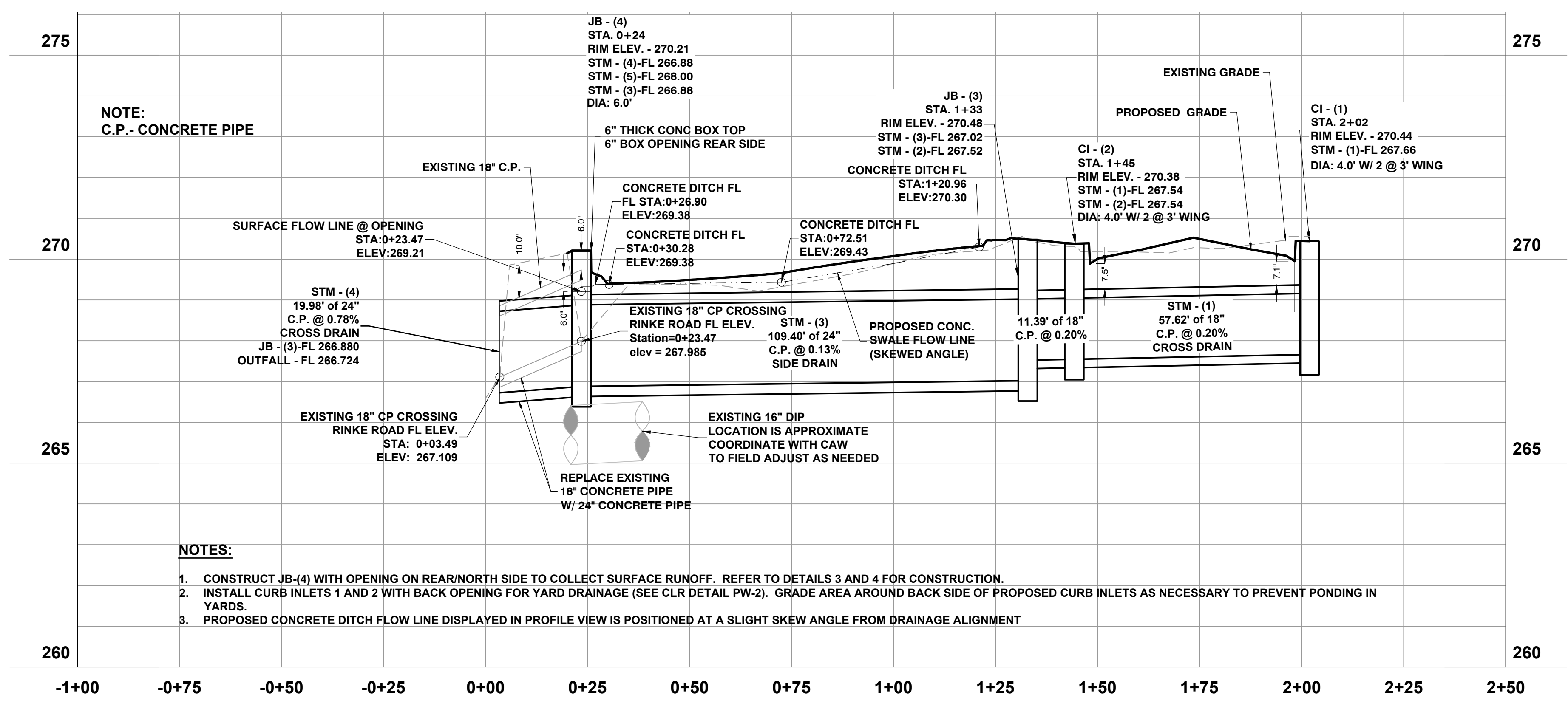
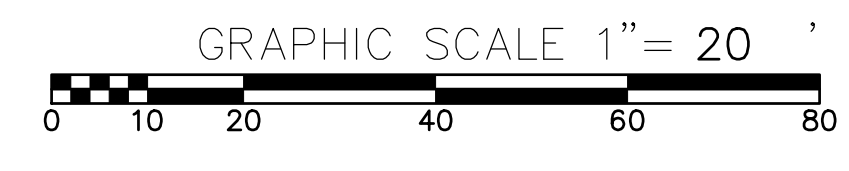


NOTE:
CONCRETE USED FOR CONSTRUCTION OF CONCRETE DITCH SHALL BE CONSTRUCTED (MIXED, INSTALLED) ACCORDING TO THE SAME SPECIFICATIONS AS THAT WHICH IS REQUIRED FOR THE PROPOSED CURB AND GUTTER ON THIS PROJECT. REFER TO CITY OF LITTLE ROCK SPECIFICATIONS.

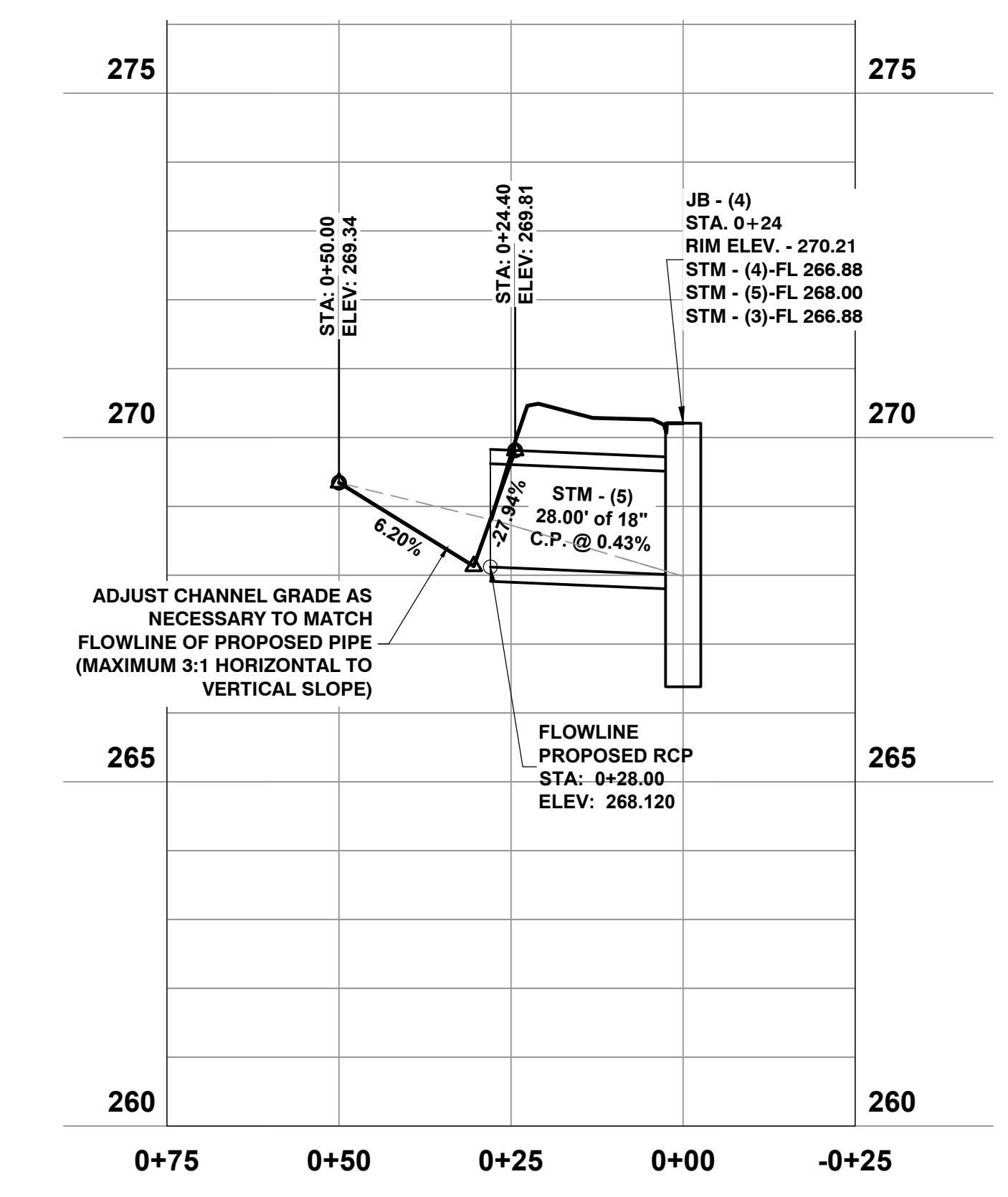
1 V-BOTTOM CONCRETE DITCH DETAIL
SCALE: NTS

SPOT ELEVATION LEGEND

- 200.00 EXISTING SPOT ELEV.
- 200.00 PROPOSED SPOT ELEV.



PROFILE VIEW - MAIN STORM ALIGNMENT



PROFILE VIEW - WEST STORM ALIGNMENT

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
DRAINAGE PLAN & PROFILE

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



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DATE
12/05/2024
SCALE
H: 1" = 20' V: 1" = 2'
PROJECT NO.
CLR # 02-22-DR-08
SHEET NO.
C4.1

NOTES:

1. MILL AND OVERLAY HATCHED AREA DESIGNATED AS PROPOSED ASPHALT (ACHM) SURFACE COURSE TO ACHIEVE PROPOSED FINISHED GRADING ON SHEET C4.1.
2. PERFORM REPAIR OF COMPLETE PAVEMENT SECTION IN CROSSED HATCHED AREA DESIGNATED AS PAVEMENT REPAIR.
3. EXPAND AREA OF COMPLETE PAVEMENT SECTION REPAIR IF NECESSARY TO ACHIEVE PROPOSED FINISHED GRADES AND PREVENT PONDING

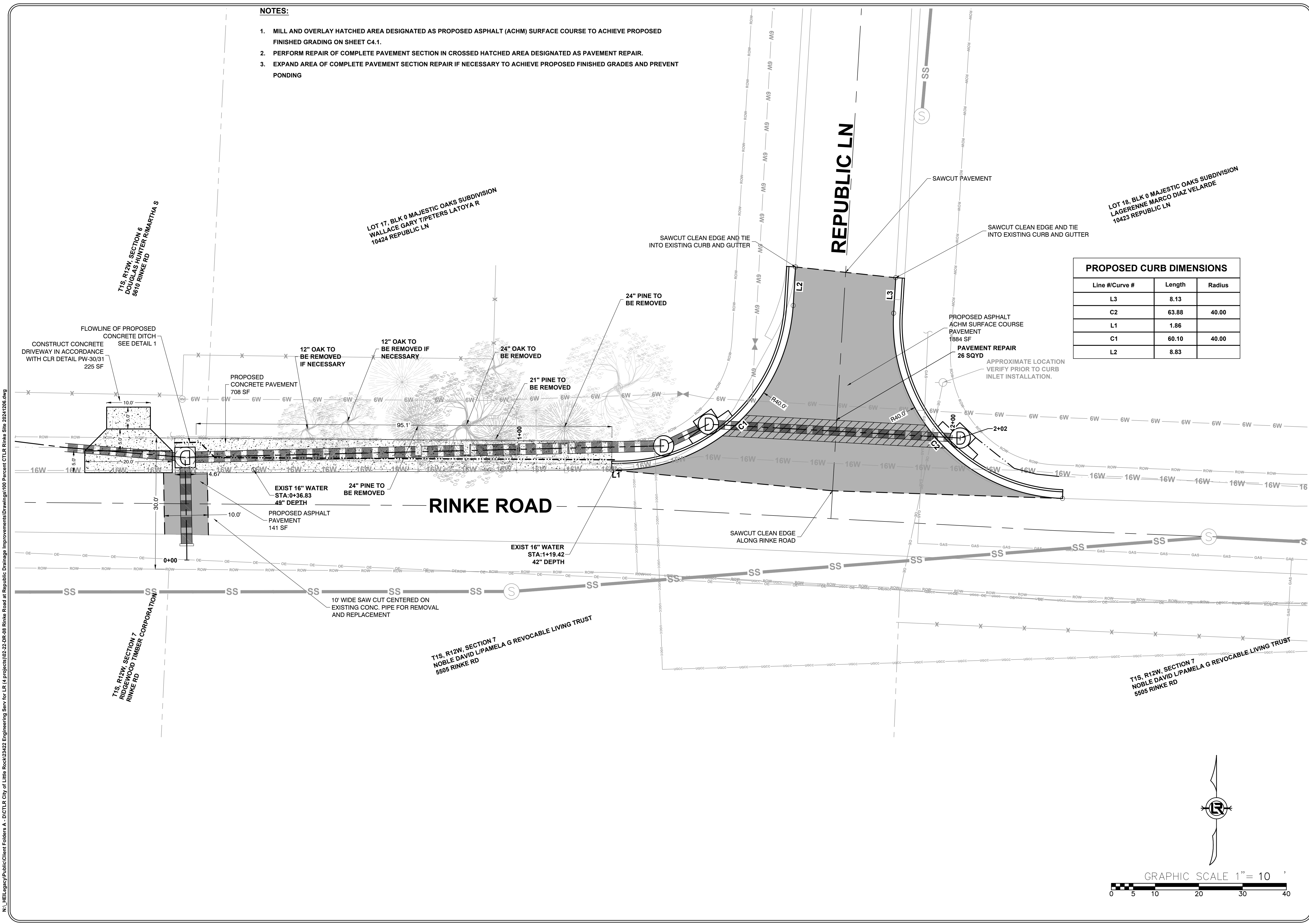
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
 STREET, CURB AND GUTTER DETAIL

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



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12/05/2024
 SCALE
AS NOTED
 PROJECT NO.
CLR # 02-22-DR-08
 SHEET NO.
C4.2



PROPOSED CURB DIMENSIONS

Line #/Curve #	Length	Radius
L3	8.13	
C2	63.88	40.00
L1	1.86	
C1	60.10	40.00
L2	8.83	

LOT 18, BLK 0 MAJESTIC OAKS SUBDIVISION
 LAGERENNE MARCO DIAZ VELARDE
 10423 REPUBLIC LN

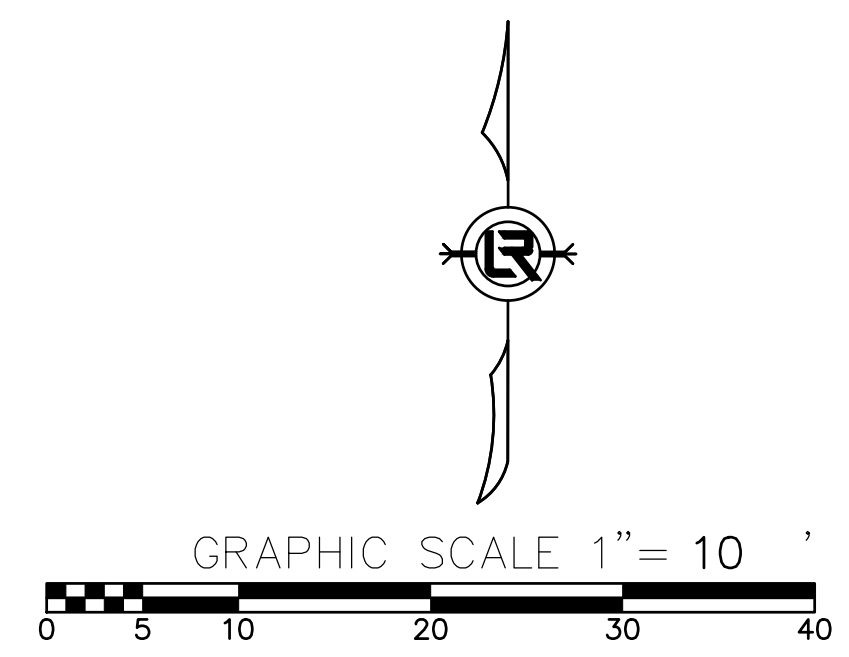
LOT 17, BLK 0 MAJESTIC OAKS SUBDIVISION
 WALLACE GARY TIPETERS LATOYA R
 10424 REPUBLIC LN

T1S, R12W, SECTION 6
 DOUGLAS HUNTER RIMMARTHA S
 5610 RINKE RD

T1S, R12W, SECTION 7
 RIDGEWOOD TIMBER CORPORATION
 RINKE RD

T1S, R12W, SECTION 7
 NOBLE DAVID L/PAMELA G REVOCABLE LIVING TRUST
 5505 RINKE RD

T1S, R12W, SECTION 7
 NOBLE DAVID L/PAMELA G REVOCABLE LIVING TRUST
 5505 RINKE RD



N:_HEL\Legacy\Public\client Folders A - DICTLR City of Little Rock\23422 Engineering Serv for LR (4 projects)\02-22-DR-08 Rinke Road at Republic Drainage Improvements\Drawings\100 Percent\CLR Rinke Site 20241206.dwg

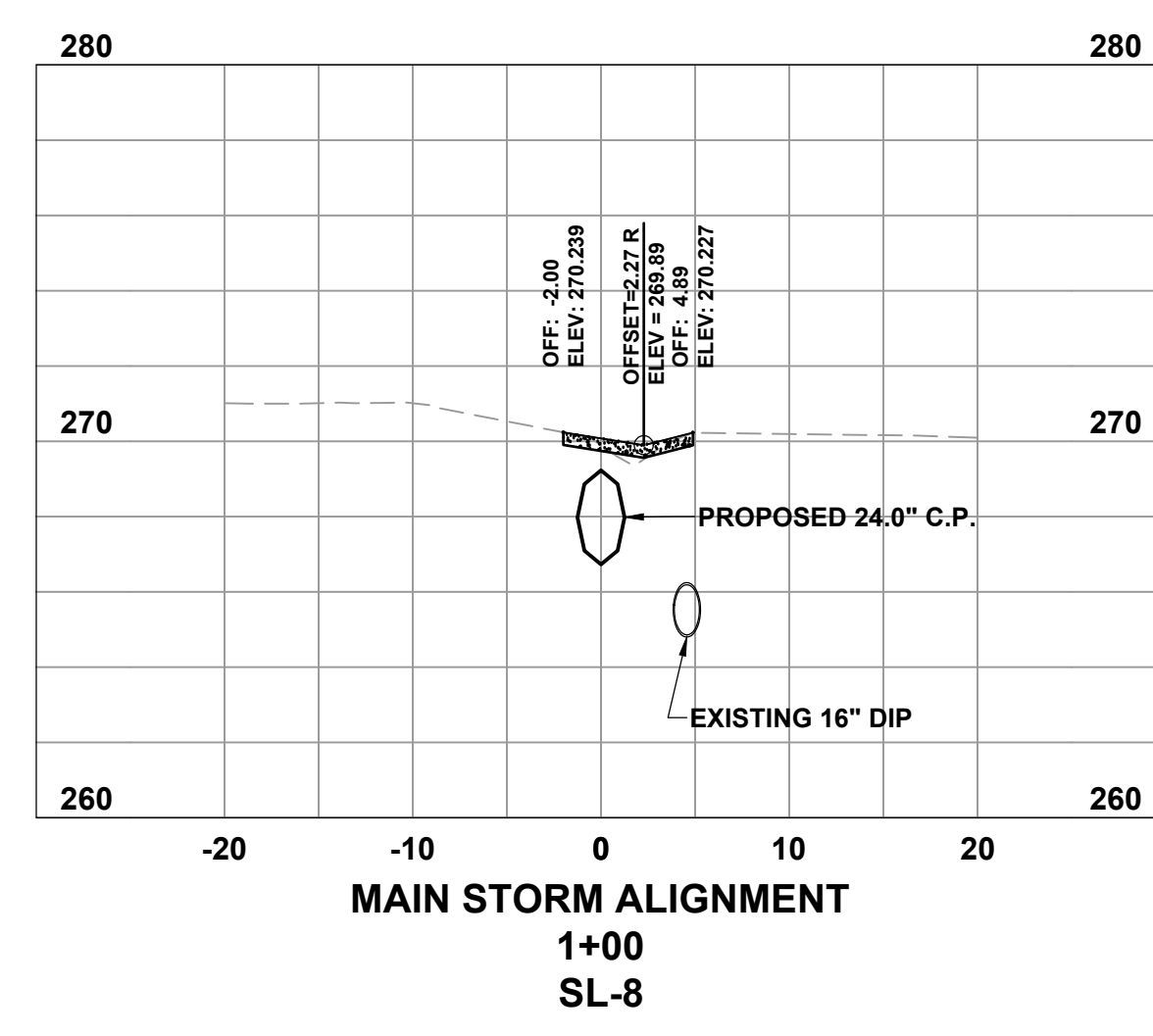
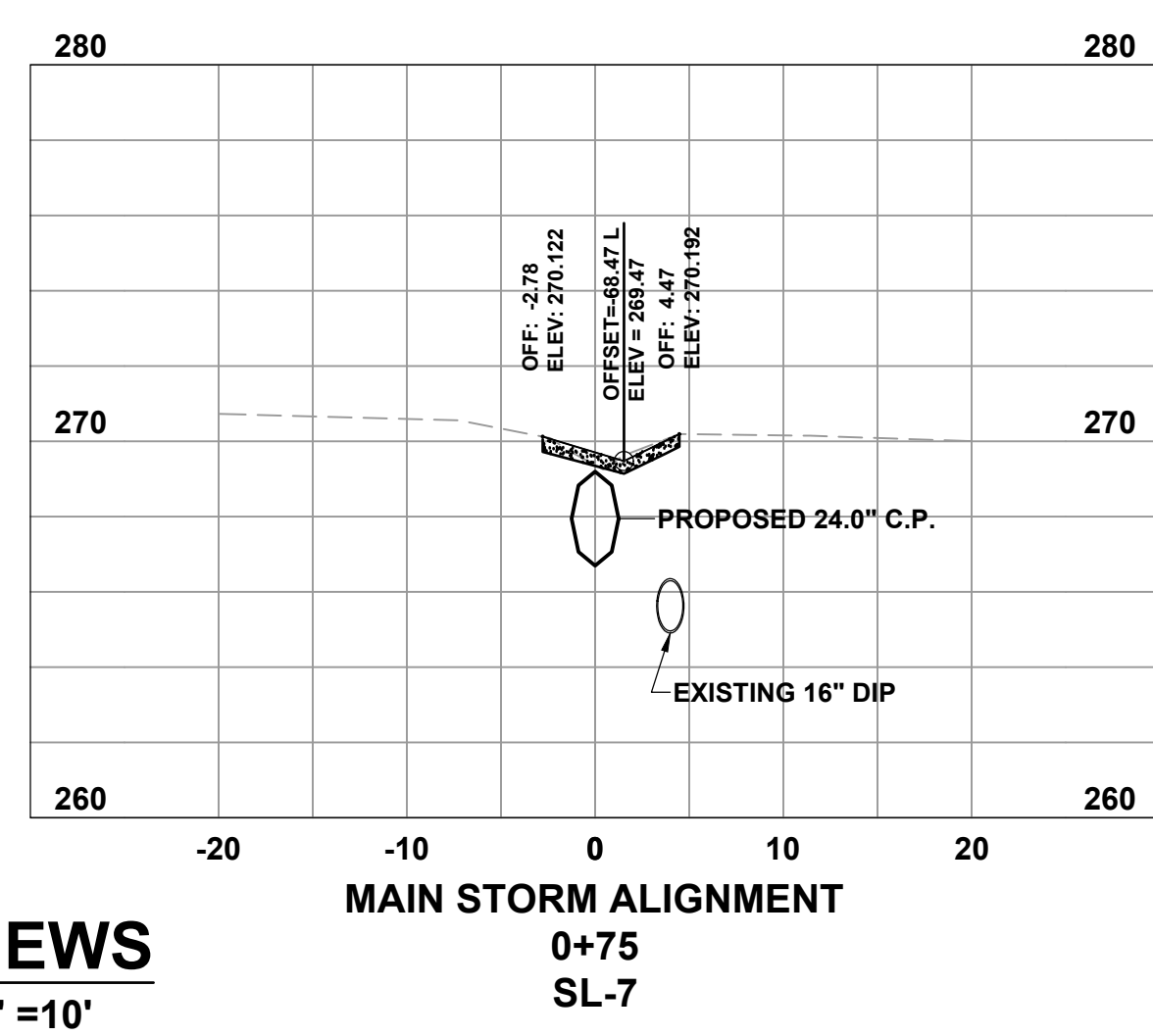
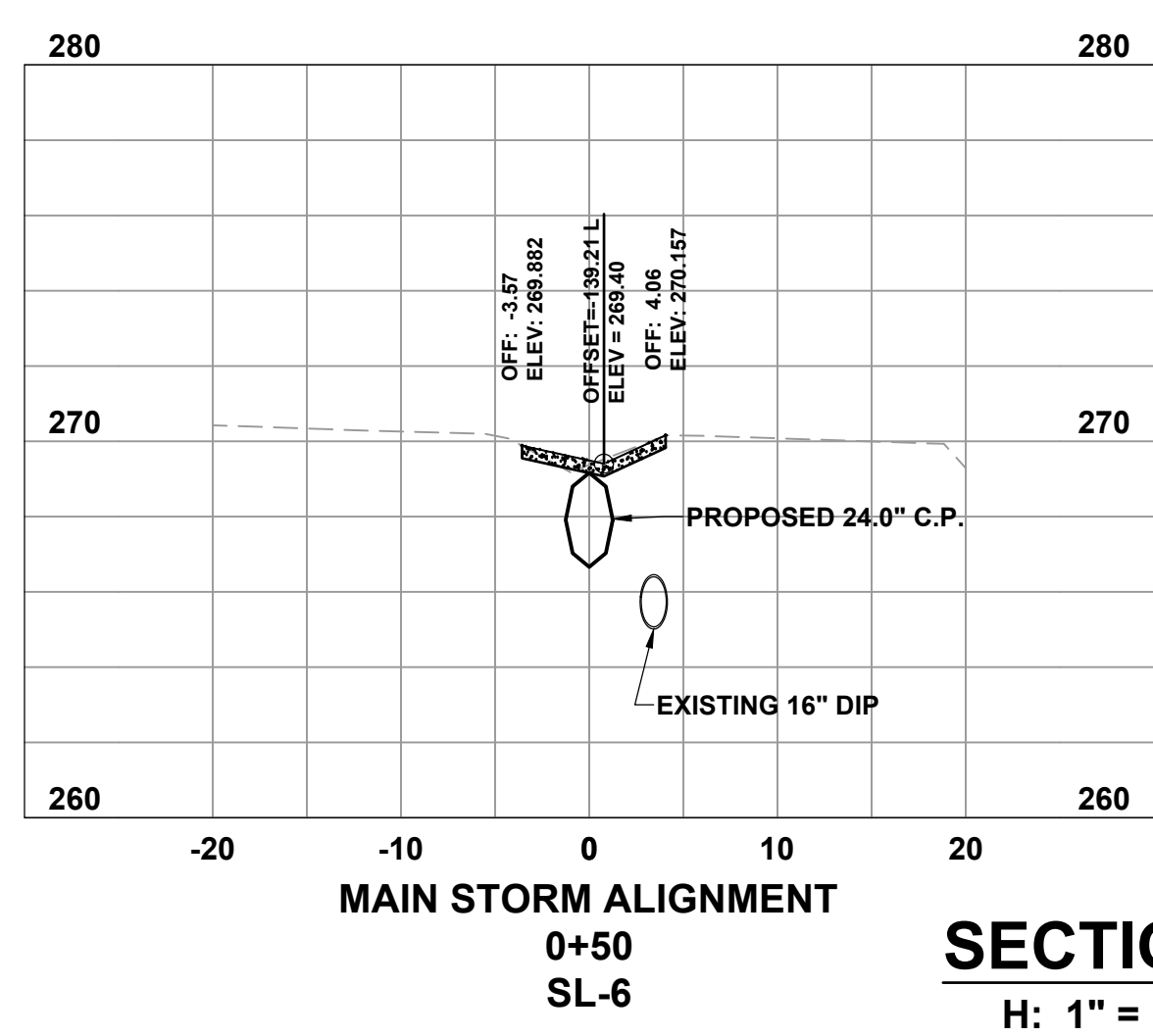
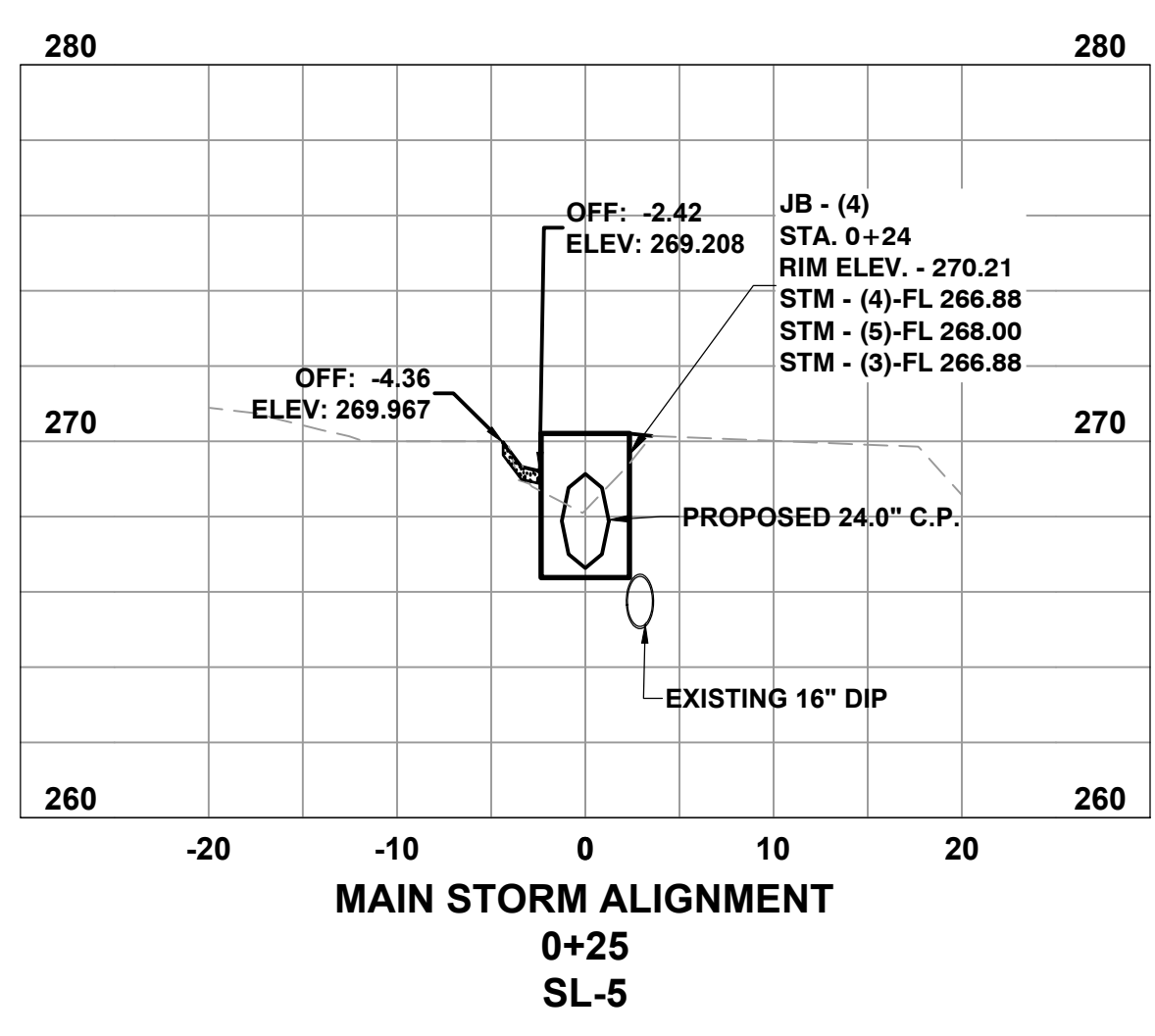
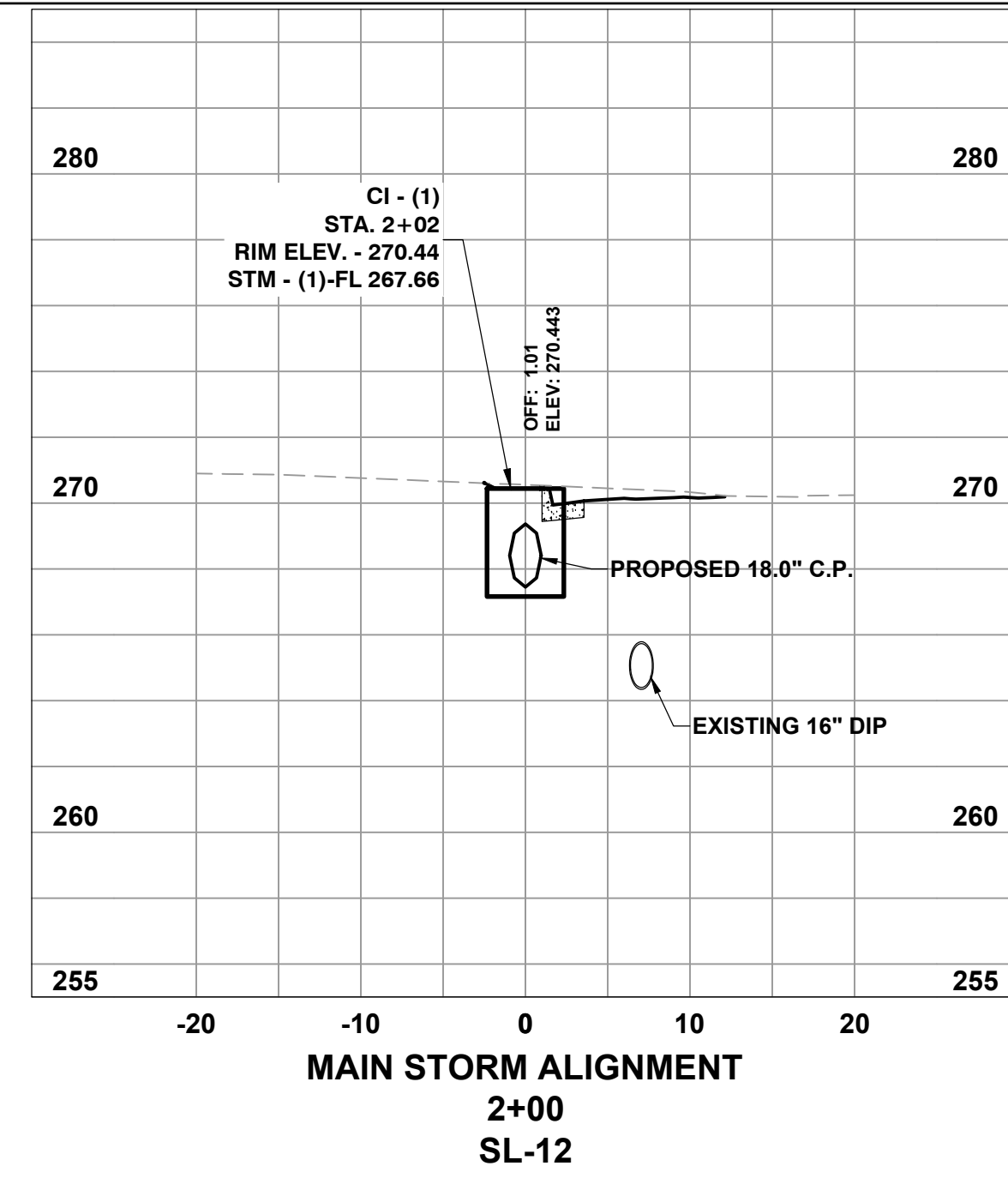
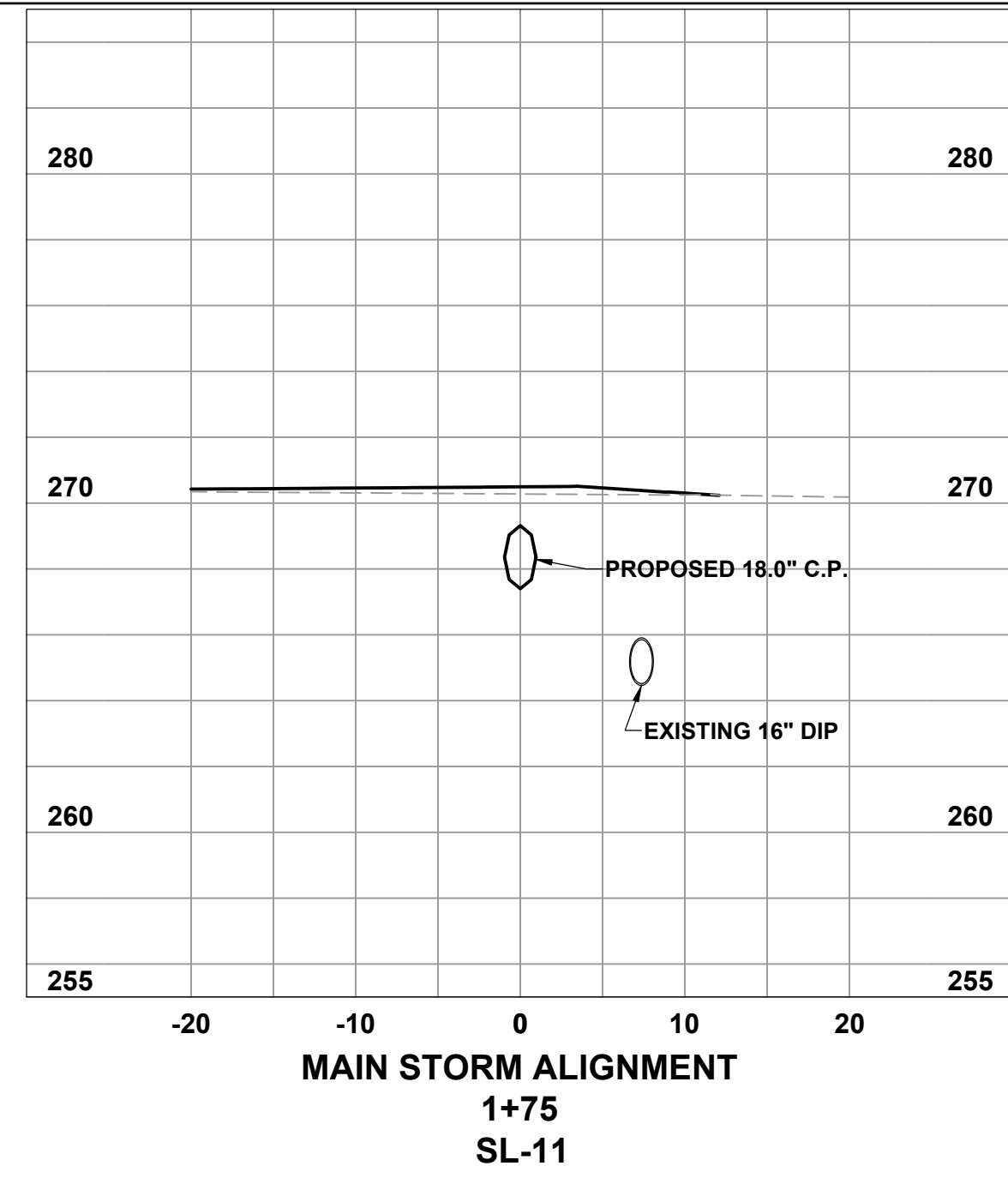
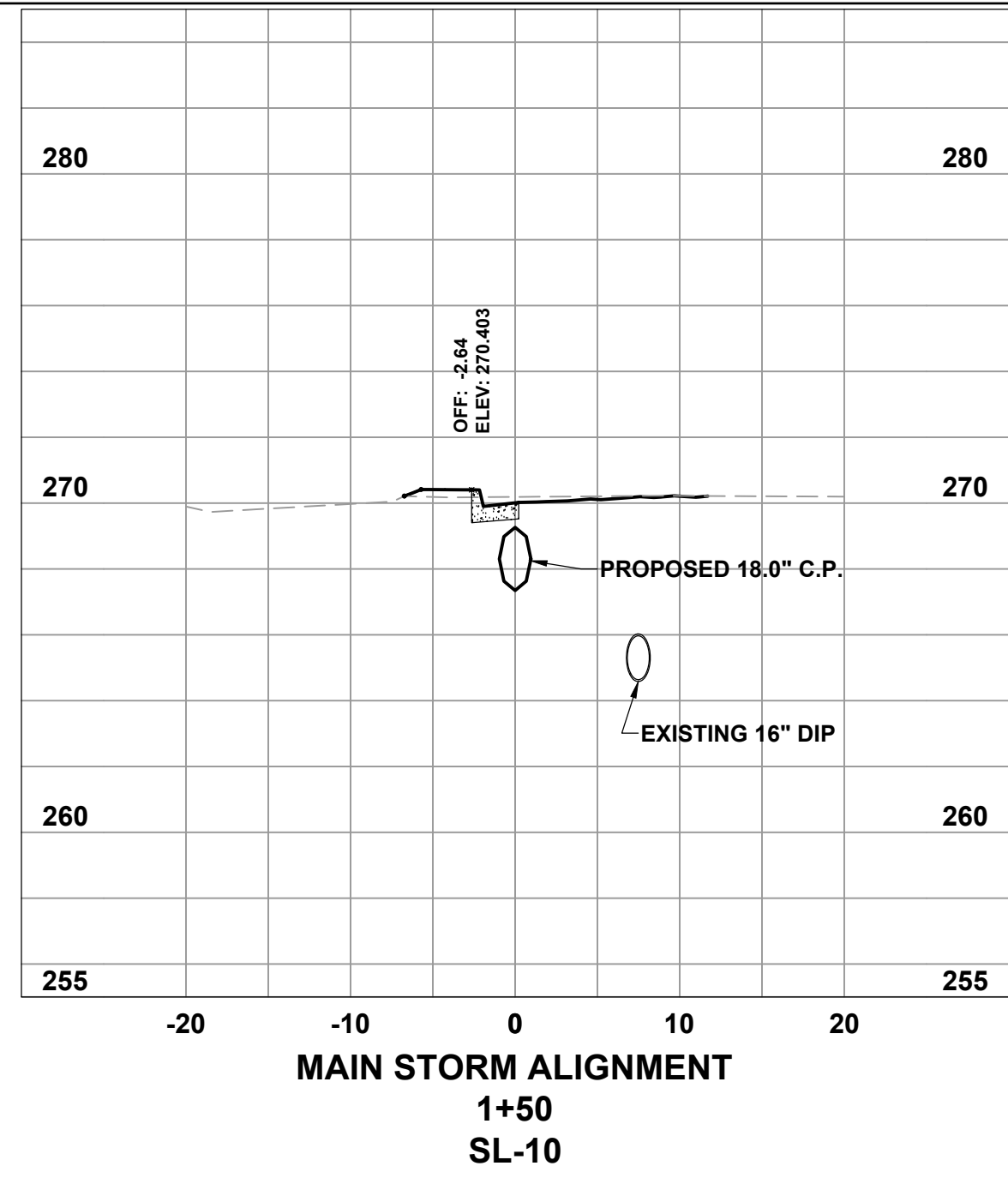
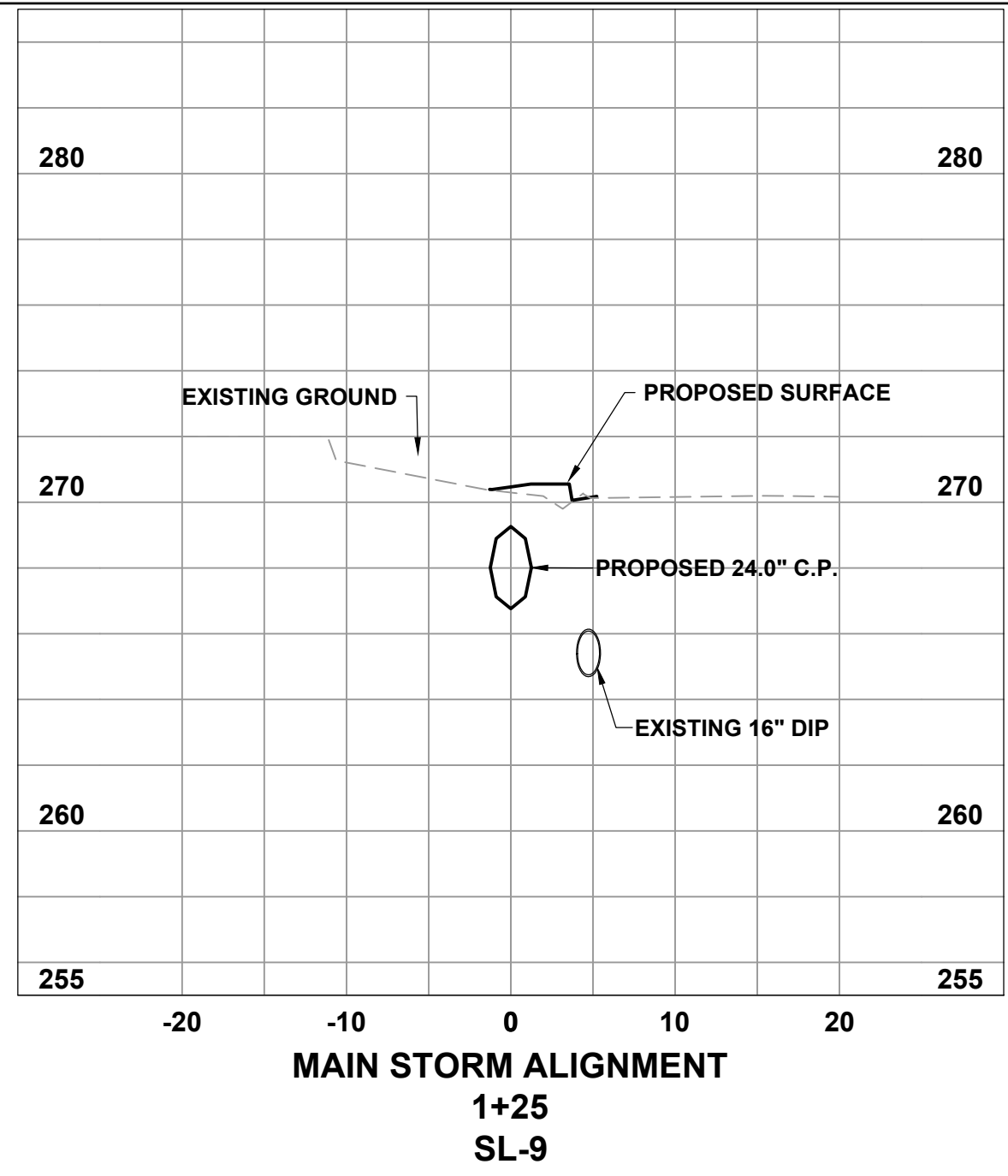
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CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
 CROSS SECTIONS DRAINAGE ALIGNMENT

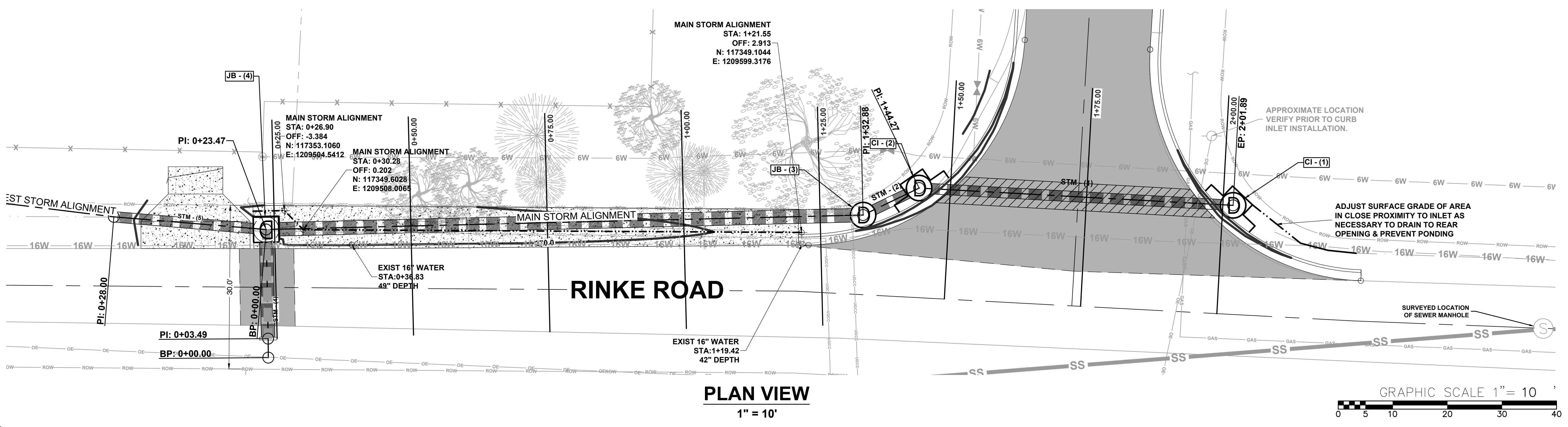
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SECTION VIEWS
 H: 1" = 10' V: 1" = 10'



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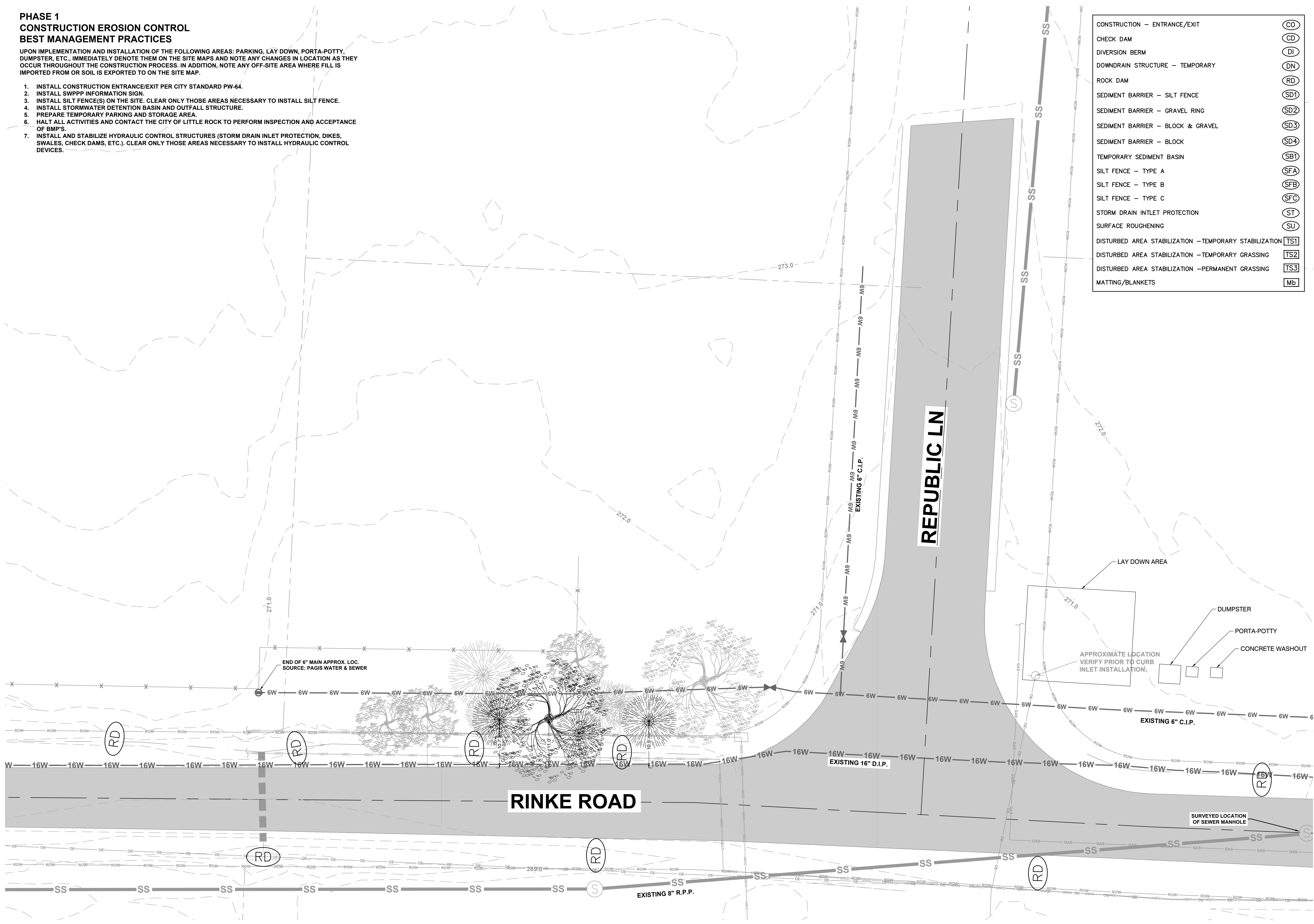
**PHASE 1
CONSTRUCTION EROSION CONTROL
BEST MANAGEMENT PRACTICES**

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: PARKING, LAY DOWN, PORTA-POTTY, DUMPSTER, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAP.

1. INSTALL CONSTRUCTION ENTRANCE/EXIT PER CITY STANDARD PW-64.
2. INSTALL SWPPP INFORMATION SIGN.
3. INSTALL SILT FENCE(S) ON THE SITE. CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE.
4. INSTALL STORMWATER DETENTION BASIN AND OUTFALL STRUCTURE.
5. PREPARE TEMPORARY PARKING AND STORAGE AREA.
6. HALT ALL ACTIVITIES AND CONTACT THE CITY OF LITTLE ROCK TO PERFORM INSPECTION AND ACCEPTANCE OF BMP'S.
7. INSTALL AND STABILIZE HYDRAULIC CONTROL STRUCTURES (STORM DRAIN INLET PROTECTION, DIKES, SWALES, CHECK DAMS, ETC.). CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL HYDRAULIC CONTROL DEVICES.

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	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN INTLET 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)

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CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
EROSION CONTROL PLAN PHASE 1

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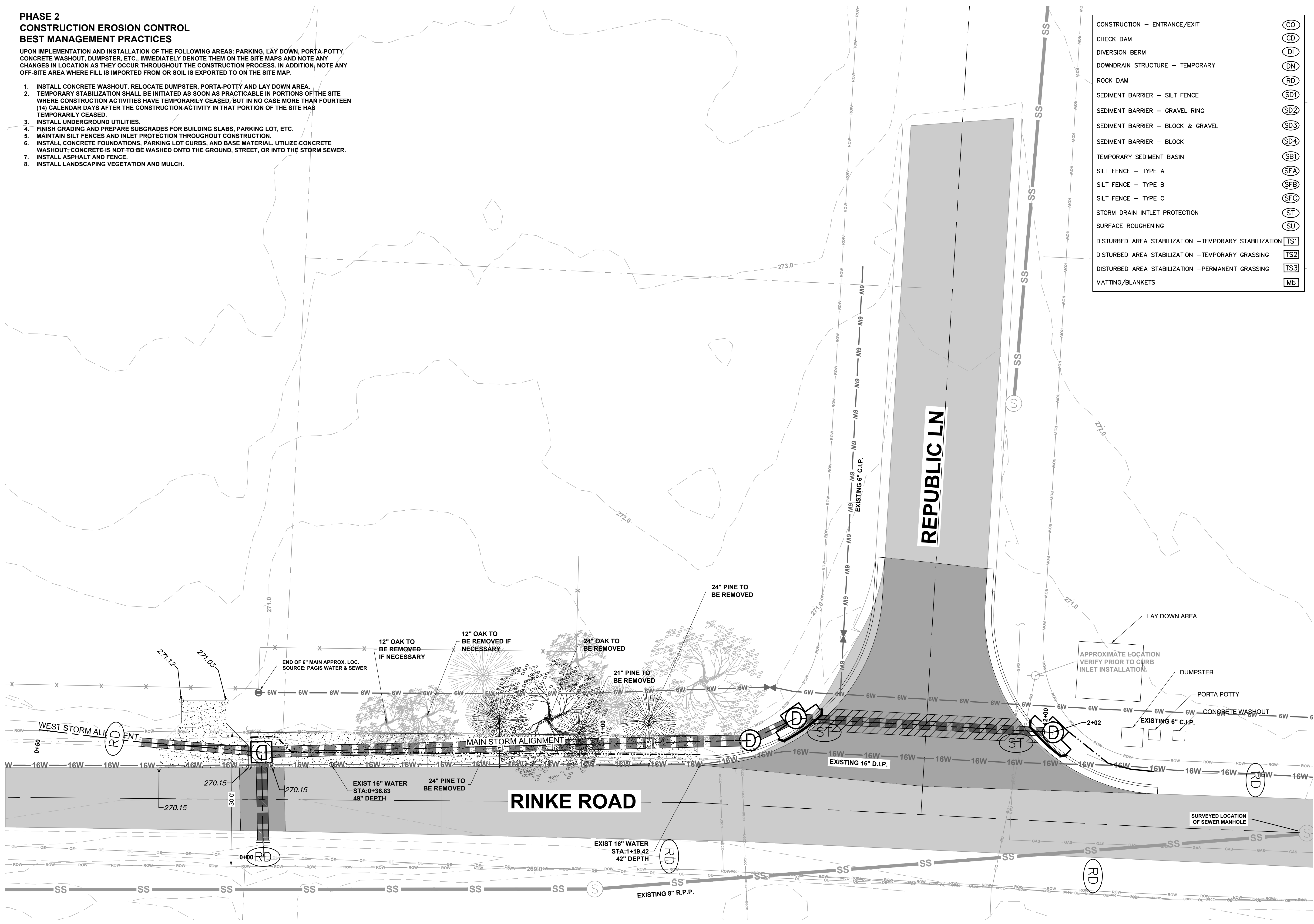
**PHASE 2
CONSTRUCTION EROSION CONTROL
BEST MANAGEMENT PRACTICES**

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: PARKING, LAY DOWN, PORTA-POTTY, CONCRETE WASHOUT, DUMPSTER, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAP.

1. INSTALL CONCRETE WASHOUT, RELOCATE DUMPSTER, PORTA-POTTY AND LAY DOWN AREA.
2. TEMPORARY STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY CEASED.
3. INSTALL UNDERGROUND UTILITIES.
4. FINISH GRADING AND PREPARE SUBGRADES FOR BUILDING SLABS, PARKING LOT, ETC.
5. MAINTAIN SILT FENCES AND INLET PROTECTION THROUGHOUT CONSTRUCTION.
6. INSTALL CONCRETE FOUNDATIONS, PARKING LOT CURBS, AND BASE MATERIAL. UTILIZE CONCRETE WASHOUT; CONCRETE IS NOT TO BE WASHED ONTO THE GROUND, STREET, OR INTO THE STORM SEWER.
7. INSTALL ASPHALT AND FENCE.
8. INSTALL LANDSCAPING VEGETATION AND MULCH.

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	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN INTLET 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)

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CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
EROSION CONTROL PLAN PHASE 2

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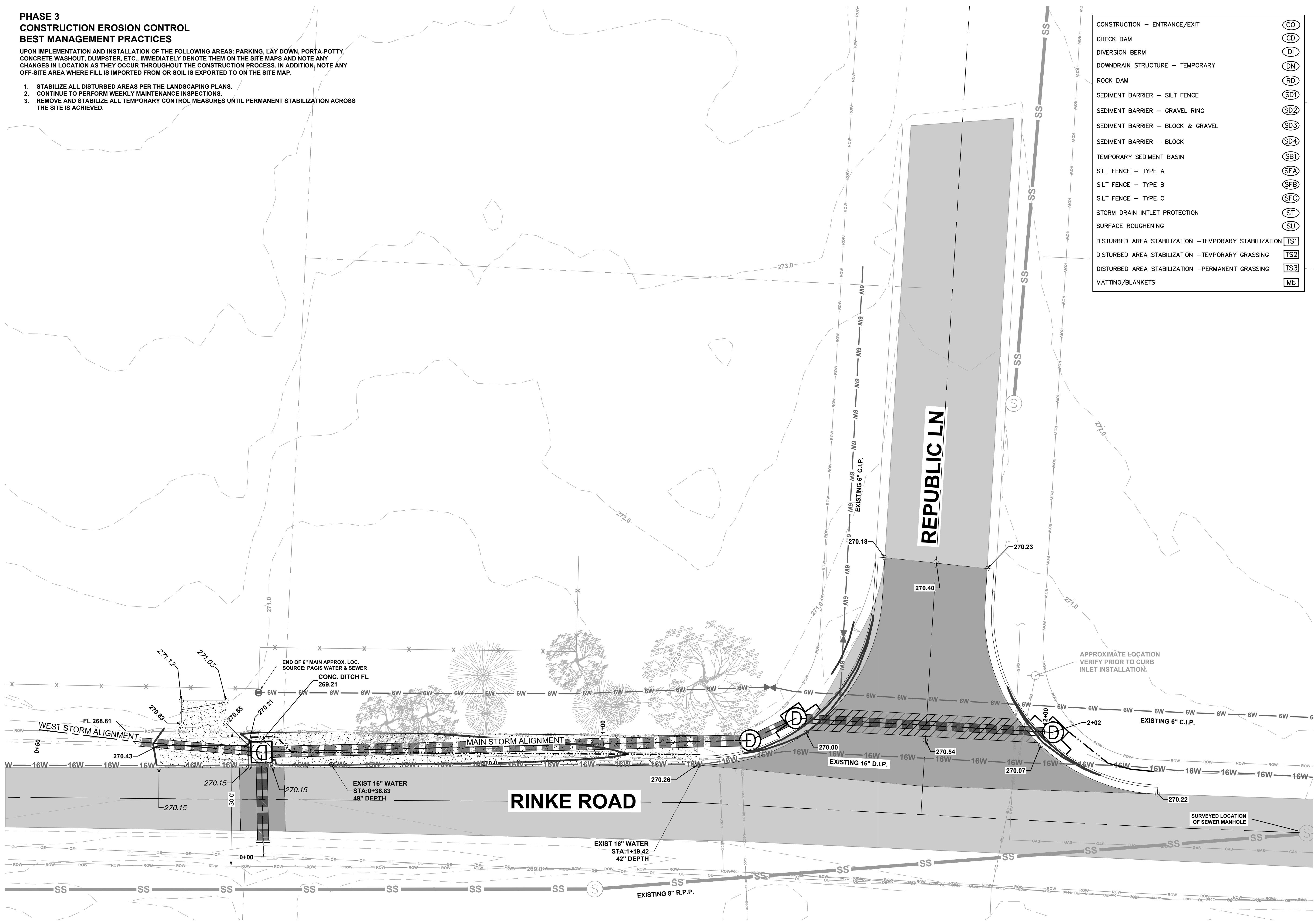
**PHASE 3
CONSTRUCTION EROSION CONTROL
BEST MANAGEMENT PRACTICES**

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: PARKING, LAY DOWN, PORTA-POTTY, CONCRETE WASHOUT, DUMPSTER, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAP.

1. STABILIZE ALL DISTURBED AREAS PER THE LANDSCAPING PLANS.
2. CONTINUE TO PERFORM WEEKLY MAINTENANCE INSPECTIONS.
3. REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES UNTIL PERMANENT STABILIZATION ACROSS THE SITE IS ACHIEVED.

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	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN INTLET 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)

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CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
EROSION CONTROL PLAN PHASE 3

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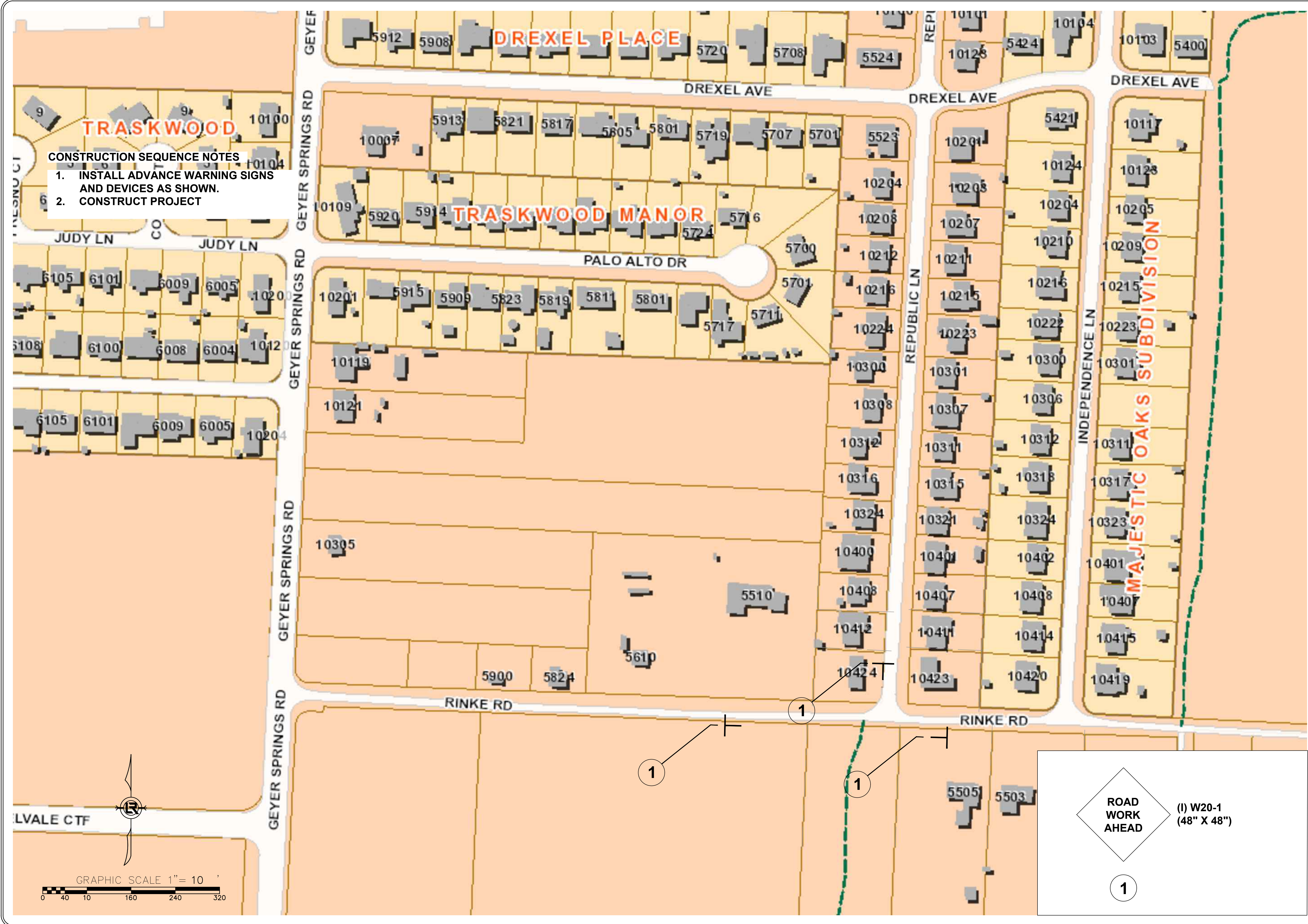
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CITY OF LITTLE ROCK, ARKANSAS
 13TH STREET DRAINAGE IMPROVEMENTS
 MAINTENANCE OF TRAFFIC

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CONSTRUCTION SEQUENCE NOTES
 1. INSTALL ADVANCE WARNING SIGNS AND DEVICES AS SHOWN.
 2. CONSTRUCT PROJECT

ROAD WORK AHEAD
 (I) W20-1
 (48" X 48")
 1

