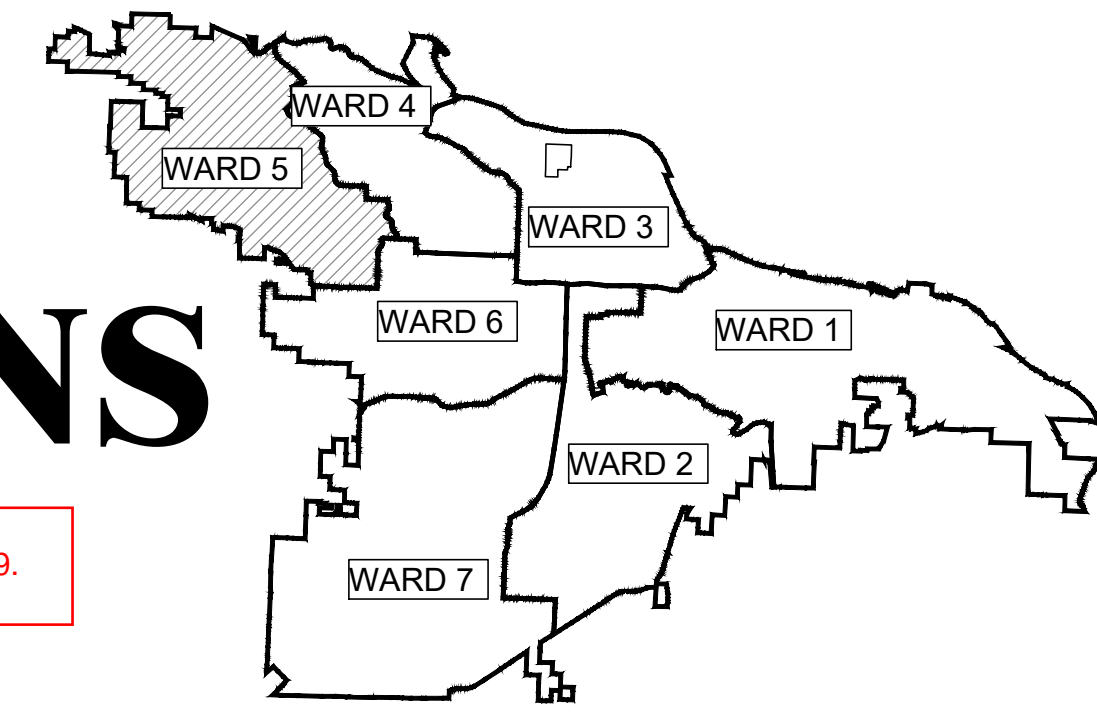


05-17-DR-352

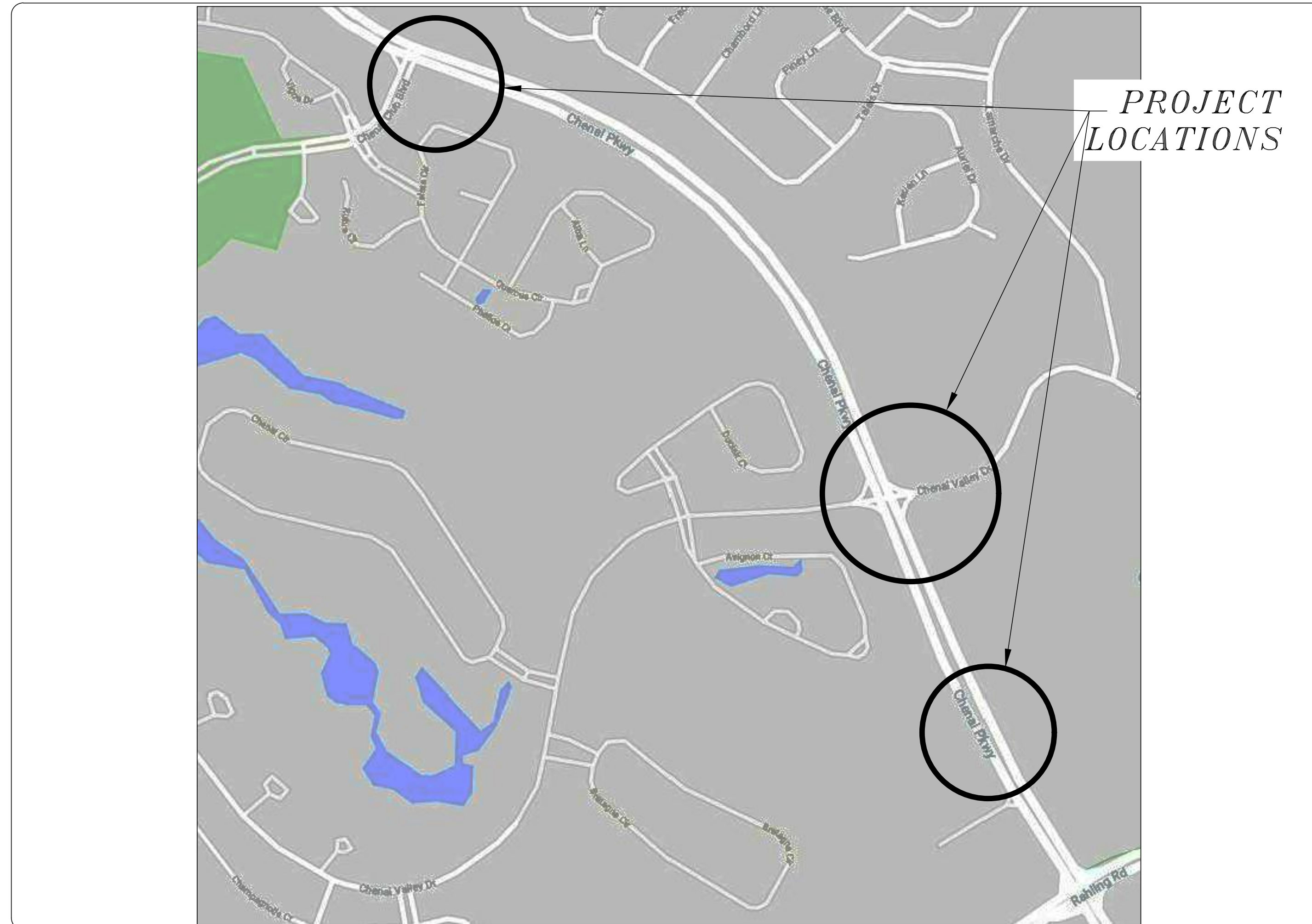
CHENAL PARKWAY UNDERDRAINS

**CHENAL PARKWAY
100% SUBMITTAL**

THESE PLANS HAVE BEEN MODIFIED FOR
PROJECT TO BE REBID IN SEPTEMBER 2019.
ALL PREVIOUS PLANS ARE INVALID.



PROJECT LOCATION - WARD 5



SHEET NO.	TITLE
C1	COVER SHEET
C2	GENERAL NOTES, LEGEND AND QUANTITIES
C3	PLAN - EAST OF CHENAL CLUB BLVD INTERSECTION
C4	PLAN - EAST OF CHENAL VALLEY DR INTERSECTION
C5	PLAN - NORTH OF RAHLING DR INTERSECTION
C6	SITE DETAILS



**2019-2021
BOND PROGRAM**

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



**Know what's below.
Call before you dig.**



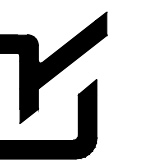
10411 W. Markham St. Suite 320.
Little Rock, Arkansas 72205
MAIN (501) 801-2690

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
CHENAL PARKWAY UNDERDRAINS

COVER SHEET

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

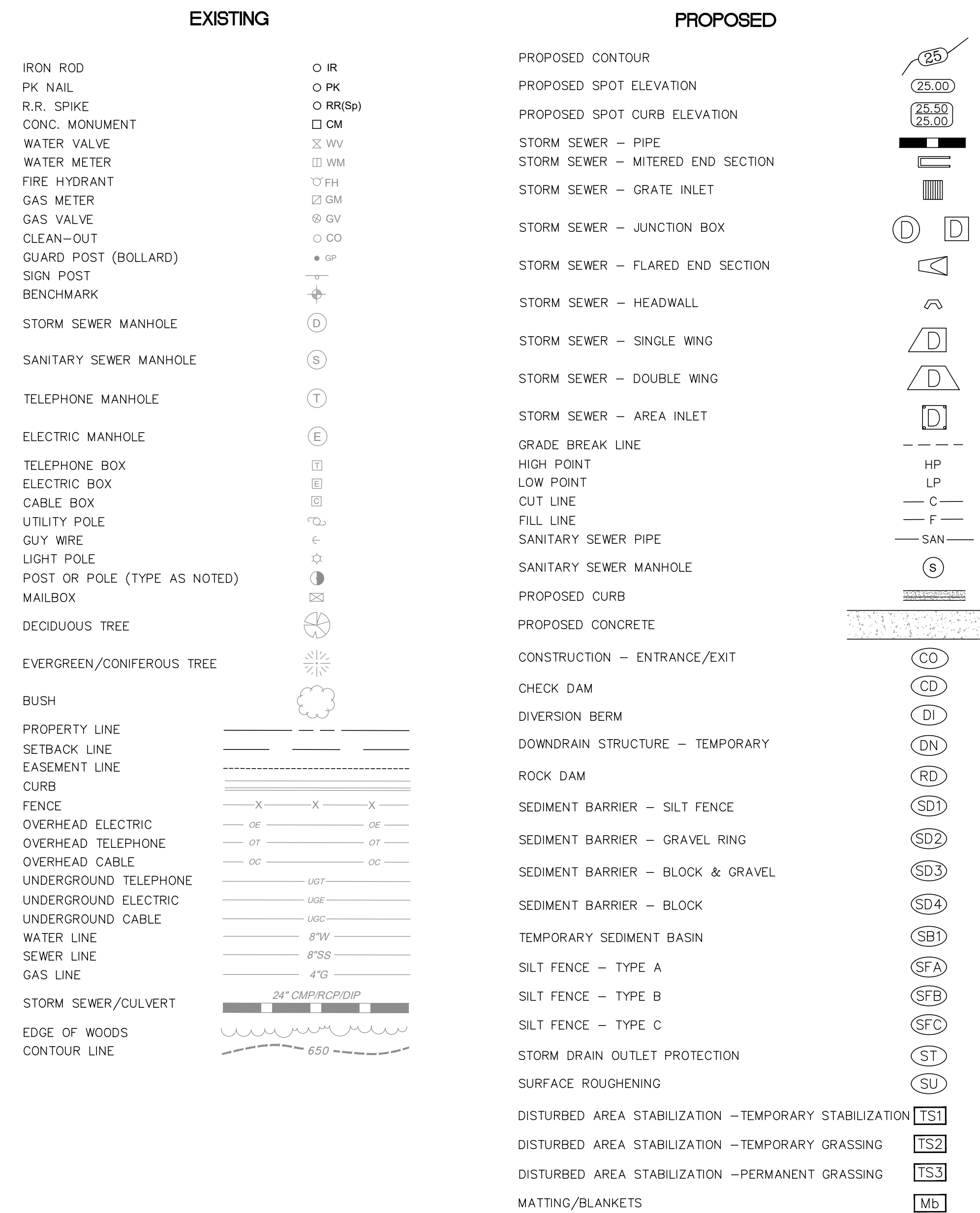


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LCJ
DESIGNED
BLV
CHECKED
BLV
DATE
04-09-19
SCALE
N.T.S.

PROJECT NO.
05-17-DR-352

SHEET NO.
C1

Item Number	Description	Unit	QUAN.
2.01	SITE PREPARATION	LS	1
4.01	AGGREGATE BASE COURSE	TON	229
5.01	TACK COAT	GAL	200
6.01	ACHM SURFACE COURSE	TON	732
6.20	ACHM - TRENCH REPAIR	TON	206
16.01	MAINTENANCE OF TRAFFIC	LS	1
19.01	FINAL CLEANUP	LS	1
24.06	SEDIMENT BARRIER, SILT FENCE (SD1)	EA	5
26.10	TRENCH & EXCAVATION SAFETY	LS	1
27.10	COLD MILLING ASPHALT PAVEMENT	SY	6652
SP-1	4" PERFORATED PIPE UNDERDRAINS (PVC Sch. 40)	LF	6180
719.04W	THERMOPLASTIC PAVEMENT MARKING WHITE (4")	LF	1332



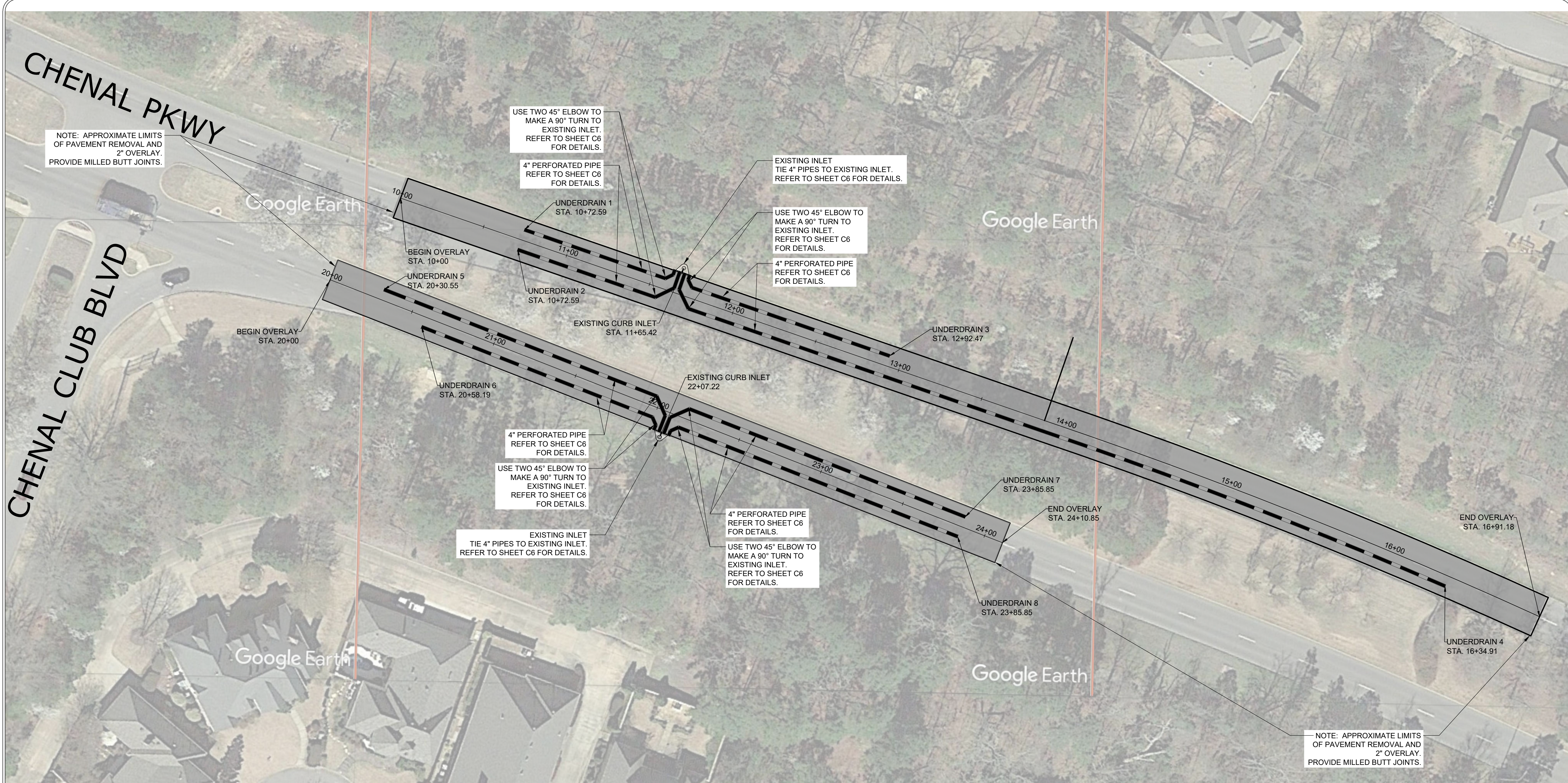
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 CHENAL PARKWAY UNDERDRAINS
 GENERAL NOTES, LEGEND AND QUANTITIES

DEPARTMENT OF PUBLIC WORKS
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 05-17-DR-352
 SHEET NO.
C2



NOTE: APPROXIMATE LIMITS OF PAVEMENT REMOVAL AND 2" OVERLAY. PROVIDE MILLED BUTT JOINTS.

USE TWO 45° ELBOW TO MAKE A 90° TURN TO EXISTING INLET. REFER TO SHEET C6 FOR DETAILS.

4" PERFORATED PIPE REFER TO SHEET C6 FOR DETAILS.

EXISTING INLET TIE 4" PIPES TO EXISTING INLET. REFER TO SHEET C6 FOR DETAILS.

USE TWO 45° ELBOW TO MAKE A 90° TURN TO EXISTING INLET. REFER TO SHEET C6 FOR DETAILS.

4" PERFORATED PIPE REFER TO SHEET C6 FOR DETAILS.

4" PERFORATED PIPE REFER TO SHEET C6 FOR DETAILS.

USE TWO 45° ELBOW TO MAKE A 90° TURN TO EXISTING INLET. REFER TO SHEET C6 FOR DETAILS.

EXISTING INLET TIE 4" PIPES TO EXISTING INLET. REFER TO SHEET C6 FOR DETAILS.

4" PERFORATED PIPE REFER TO SHEET C6 FOR DETAILS.

USE TWO 45° ELBOW TO MAKE A 90° TURN TO EXISTING INLET. REFER TO SHEET C6 FOR DETAILS.

NOTE: APPROXIMATE LIMITS OF PAVEMENT REMOVAL AND 2" OVERLAY. PROVIDE MILLED BUTT JOINTS.

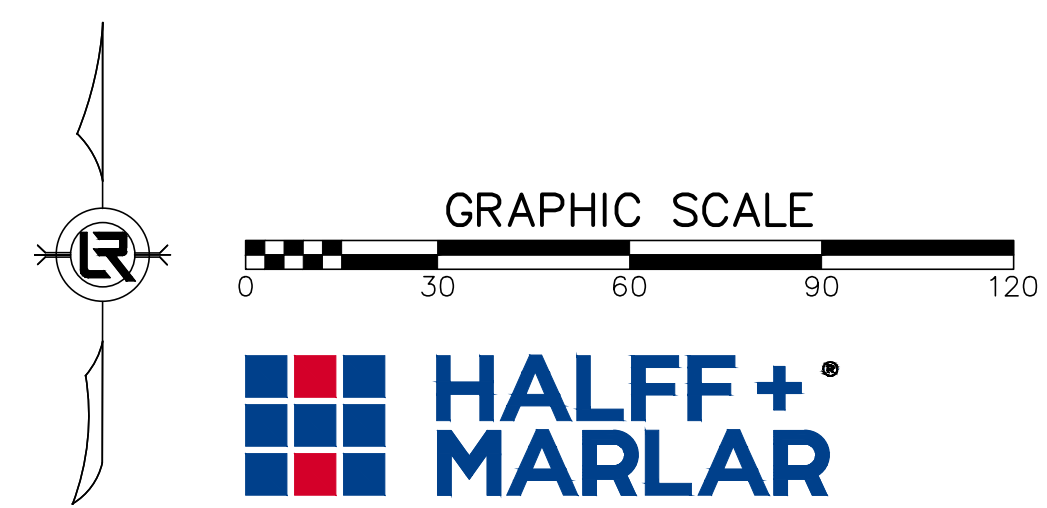
REVISIONS	DATE

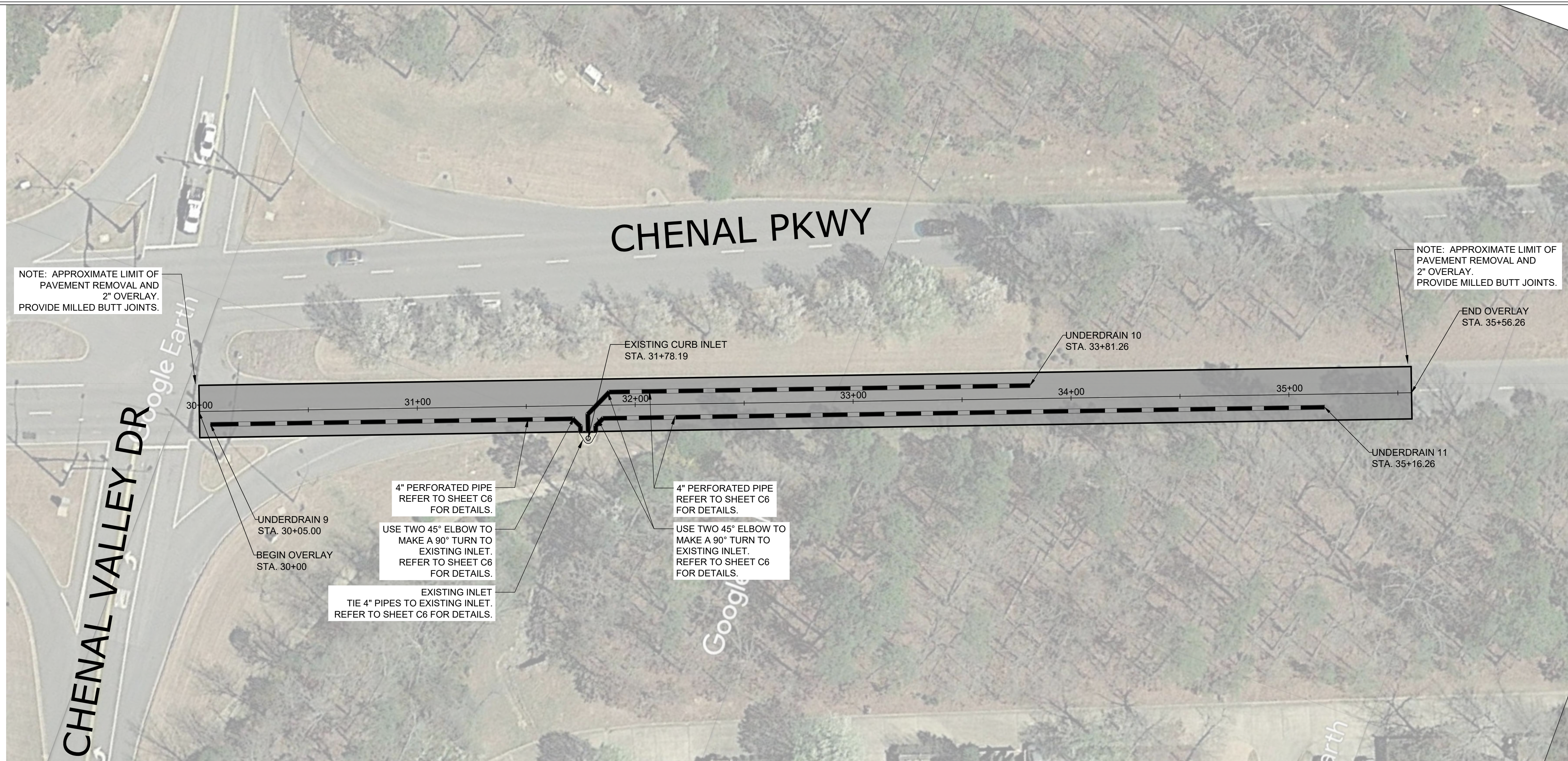
CITY OF LITTLE ROCK, ARKANSAS
 CHENAL PARKWAY UNDERDRAINS
 WEST BOUND AND EAST BOUND LANES OF CHENAL PKWY EAST OF CHENAL CLUB BLVD INTERSECTION

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

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 9418
 BRIAN L. VINES
 09 APR 19

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 LCJ
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 CHECKED
 BLV
 DATE
 04-09-19
 SCALE
 1" = 30'-0"
 PROJECT NO.
 05-17-DR-352
 SHEET NO.
C3





NOTE: APPROXIMATE LIMIT OF PAVEMENT REMOVAL AND 2" OVERLAY. PROVIDE MILLED BUTT JOINTS.

NOTE: APPROXIMATE LIMIT OF PAVEMENT REMOVAL AND 2" OVERLAY. PROVIDE MILLED BUTT JOINTS.

UNDERDRAIN 9
STA. 30+05.00
BEGIN OVERLAY
STA. 30+00

4" PERFORATED PIPE
REFER TO SHEET C6
FOR DETAILS.

USE TWO 45° ELBOW TO
MAKE A 90° TURN TO
EXISTING INLET.
REFER TO SHEET C6
FOR DETAILS.

EXISTING INLET
TIE 4" PIPES TO EXISTING INLET.
REFER TO SHEET C6 FOR DETAILS.

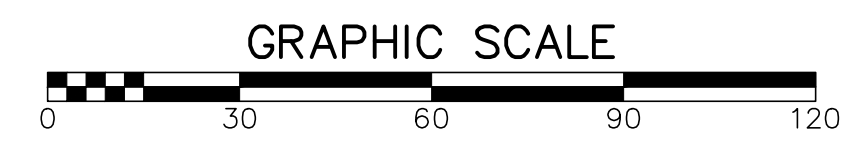
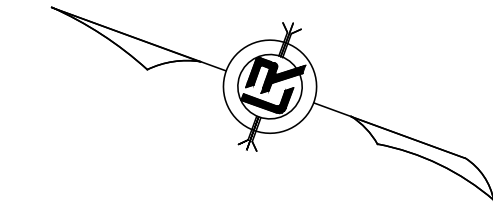
4" PERFORATED PIPE
REFER TO SHEET C6
FOR DETAILS.

USE TWO 45° ELBOW TO
MAKE A 90° TURN TO
EXISTING INLET.
REFER TO SHEET C6
FOR DETAILS.

UNDERDRAIN 10
STA. 33+81.26

UNDERDRAIN 11
STA. 35+16.26

END OVERLAY
STA. 35+56.26

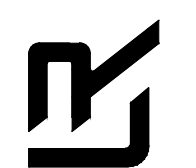


HALFF + MARLAR

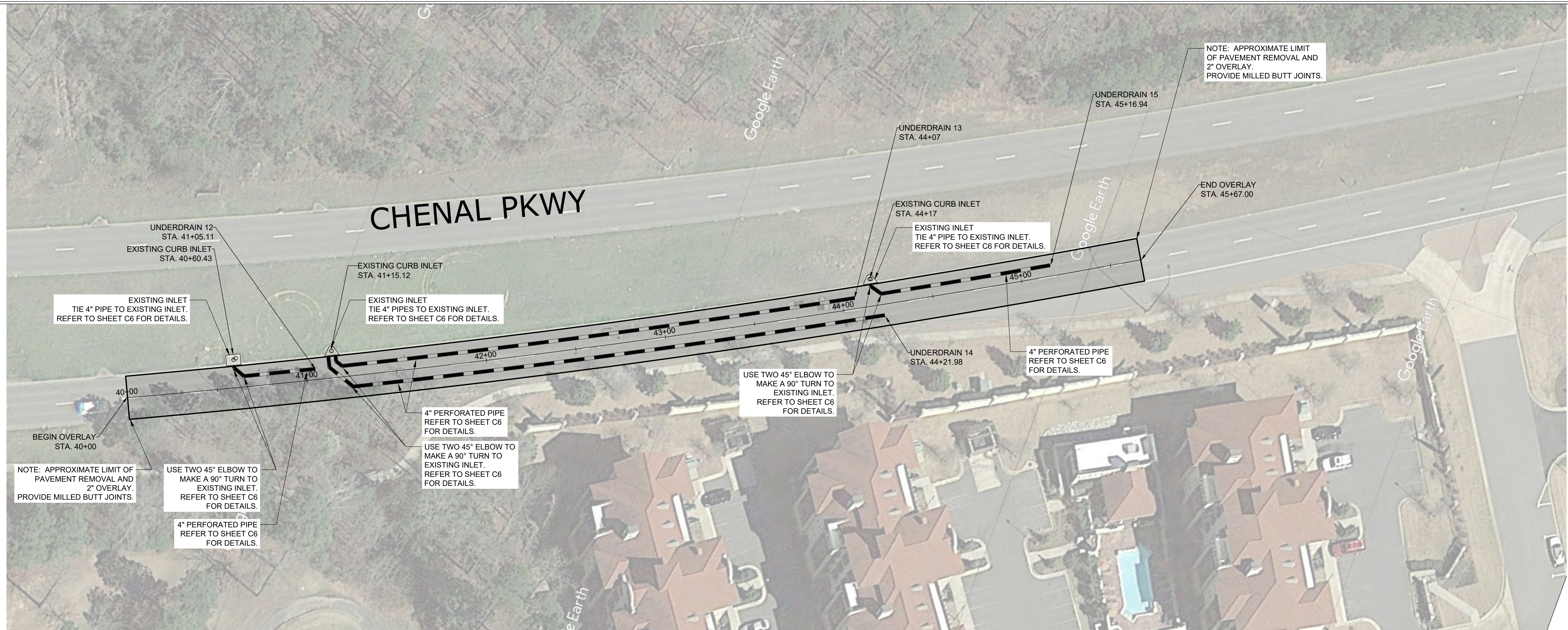
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHENAL PARKWAY UNDERDRAINS
EAST BOUND LANES OF CHENAL PKWY
EAST OF CHENAL VALLEY DR INTERSECTION

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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PROJECT NO.
05-17-DR-352
SHEET NO.
C4



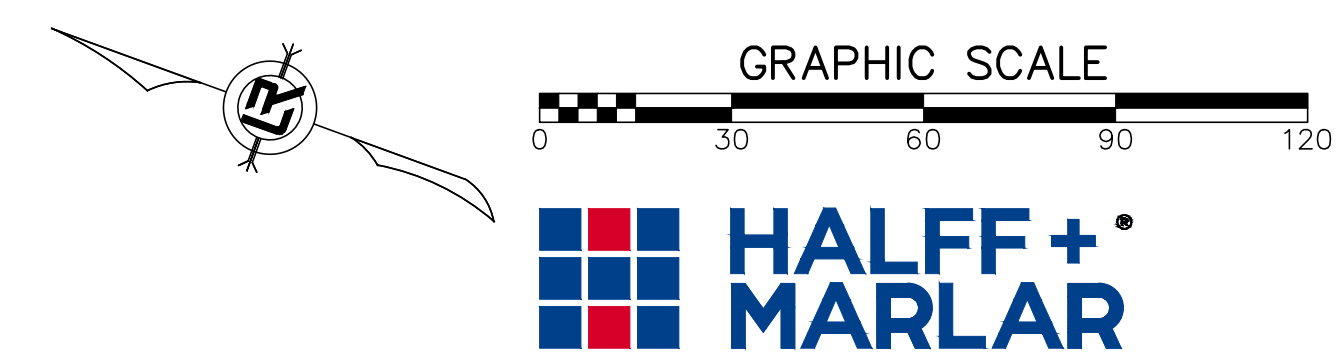
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 CHENAL PARKWAY UNDERDRAINS
 EAST BOUND LANES OF CHENAL PKWY
 NORTH OF RAHLING DR INTERSECTION

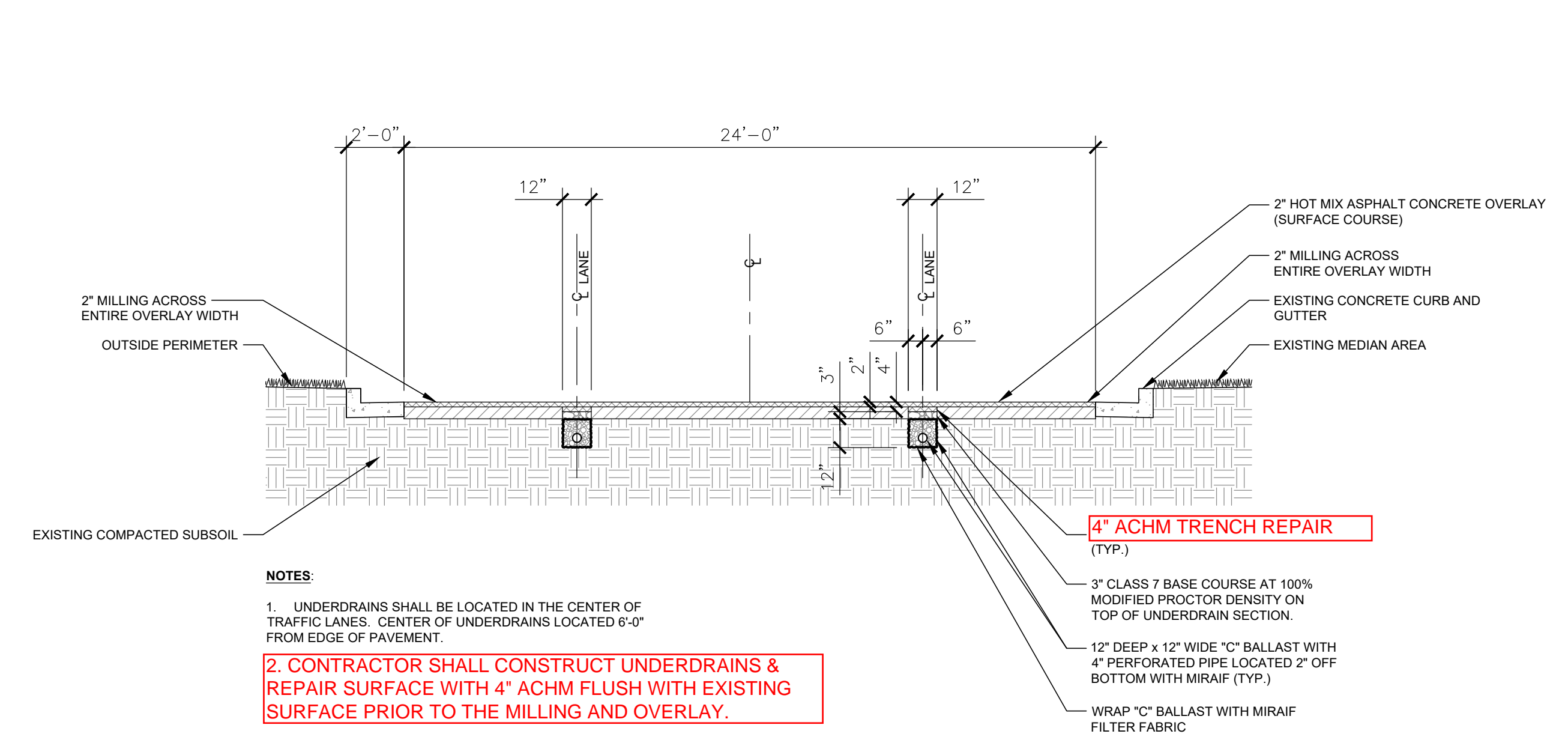
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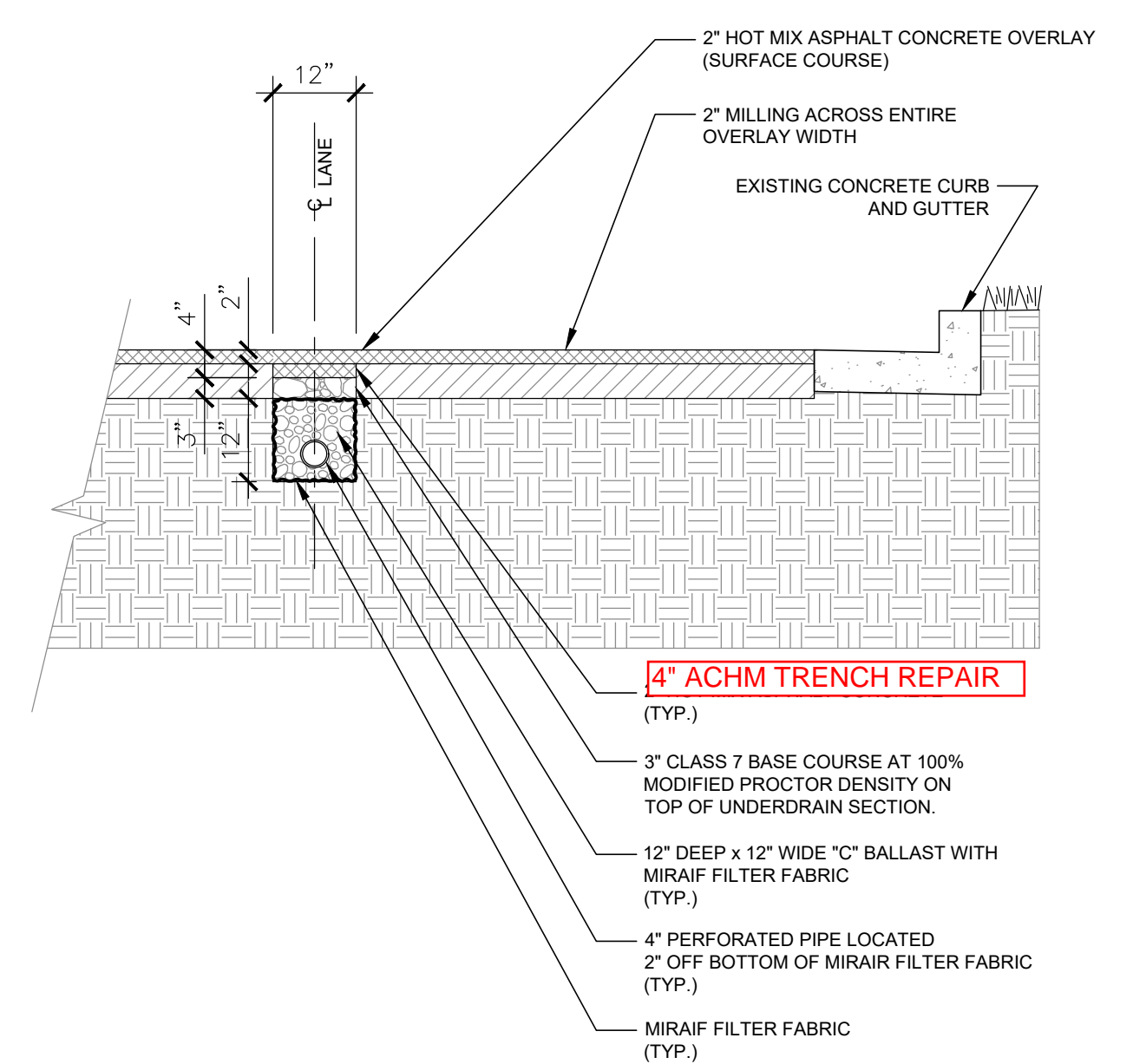
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 SCALE
 1" = 30'-0"
 PROJECT NO.
 05-17-DR-352
 SHEET NO.
C5



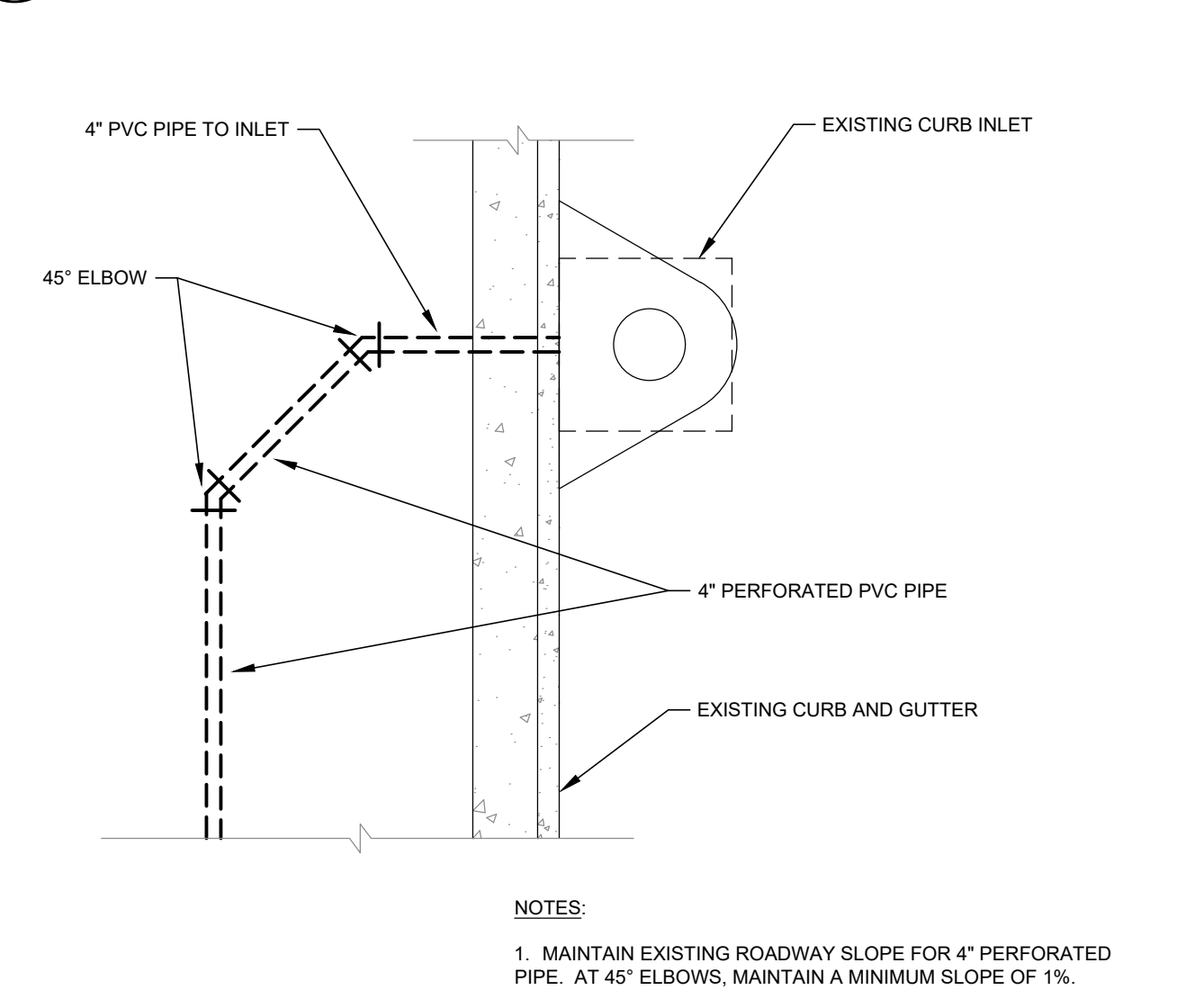
REVISIONS	DATE



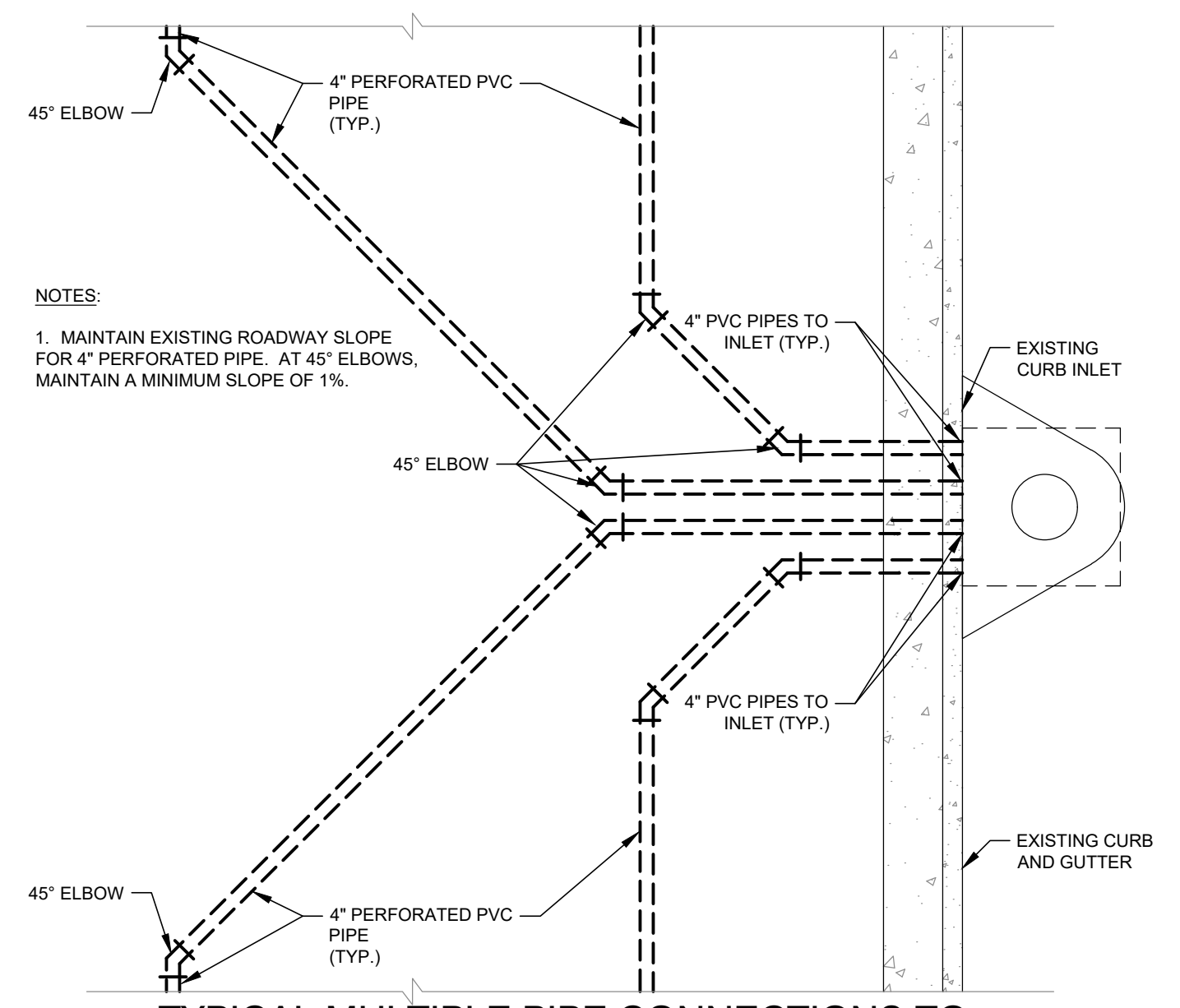
1 TYPICAL SECTION THRU CHENAL PARKWAY
1/4" = 1'-0"



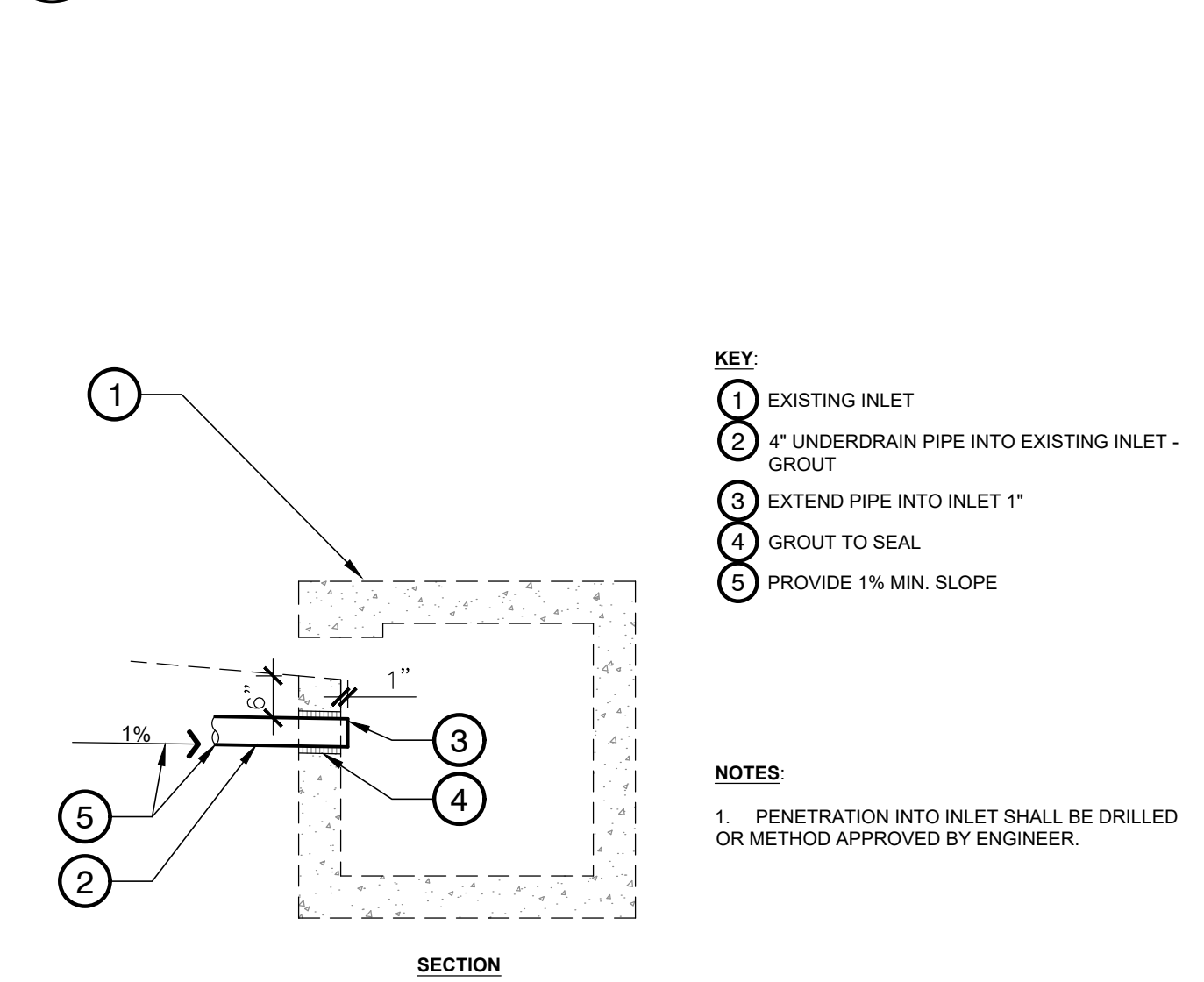
2 TYPICAL SECTION OF UNDERDRAIN
1/2" = 1'-0"



3 TYPICAL SINGLE CONNECTION OF PIPE TO EXISTING INLET
N.T.S.



4 TYPICAL MULTIPLE PIPE CONNECTIONS TO EXISTING INLET
N.T.S.



5 TYPICAL SECTION OF UNDERDRAIN PIPE CONNECTION AT EXISTING INLET
N.T.S.

NOTES:
1. UNDERDRAINS SHALL BE LOCATED IN THE CENTER OF TRAFFIC LANES. CENTER OF UNDERDRAINS LOCATED 6'-0" FROM EDGE OF PAVEMENT.
2. CONTRACTOR SHALL CONSTRUCT UNDERDRAINS & REPAIR SURFACE WITH 4" ACHM FLUSH WITH EXISTING SURFACE PRIOR TO THE MILLING AND OVERLAY.

NOTES:
1. MAINTAIN EXISTING ROADWAY SLOPE FOR 4" PERFORATED PIPE. AT 45° ELBOWS, MAINTAIN A MINIMUM SLOPE OF 1%.

NOTES:
1. MAINTAIN EXISTING ROADWAY SLOPE FOR 4" PERFORATED PIPE. AT 45° ELBOWS, MAINTAIN A MINIMUM SLOPE OF 1%.

KEY:
1. EXISTING INLET
2. 4" UNDERDRAIN PIPE INTO EXISTING INLET - GROUT
3. EXTEND PIPE INTO INLET 1"
4. GROUT TO SEAL
5. PROVIDE 1% MIN. SLOPE

NOTES:
1. PENETRATION INTO INLET SHALL BE DRILLED OR METHOD APPROVED BY ENGINEER.

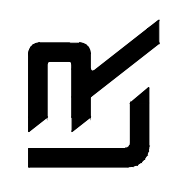
CONTRACTOR SHALL PERFORM A FULL-DEPTH SAWCUT OF EXISTING ASPHALT TO NEAT LINES PRIOR TO EXCAVATION FOR UNDERDRAINS. EXISTING ASPHALT THICKNESS IS ESTIMATED TO BE 4". SAWCUT, INLET TIE-INS AND EXCAVATION FOR UNDERDRAINS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UNDERDRAIN ITEM. 45° ELBOWS, CAPS AND ANY OTHER NECESSARY FITTINGS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UNDERDRAIN ITEM.

MAINTENANCE OF TRAFFIC:
1. AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION.
2. CONTRACTOR SHALL PHASE WORK TO MINIMIZE IMPACTS ON TRAFFIC TO THE EXTENT POSSIBLE.
3. CONTRACTOR IS REQUIRED TO HAVE TRAFFIC CONTROL PLAN APPROVED BY THE LITTLE ROCK TRAFFIC DIVISION.

CITY OF LITTLE ROCK, ARKANSAS
CHENAL PARKWAY UNDERDRAINS

SITE DETAILS

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



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