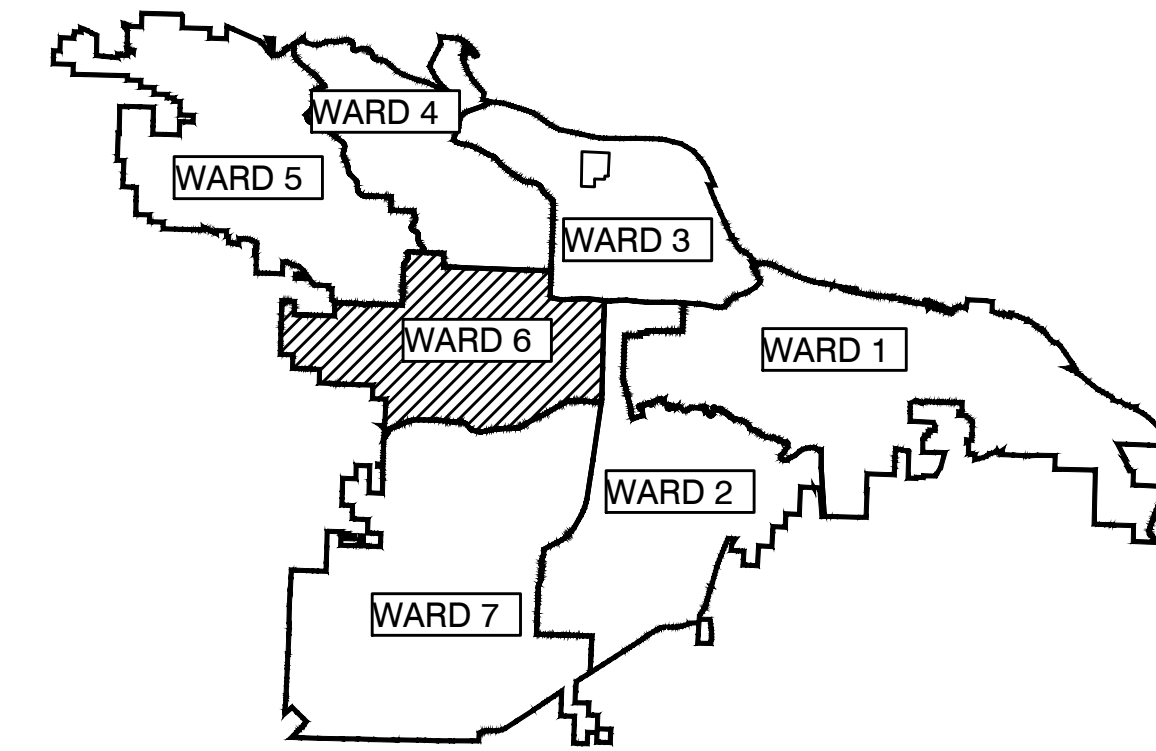
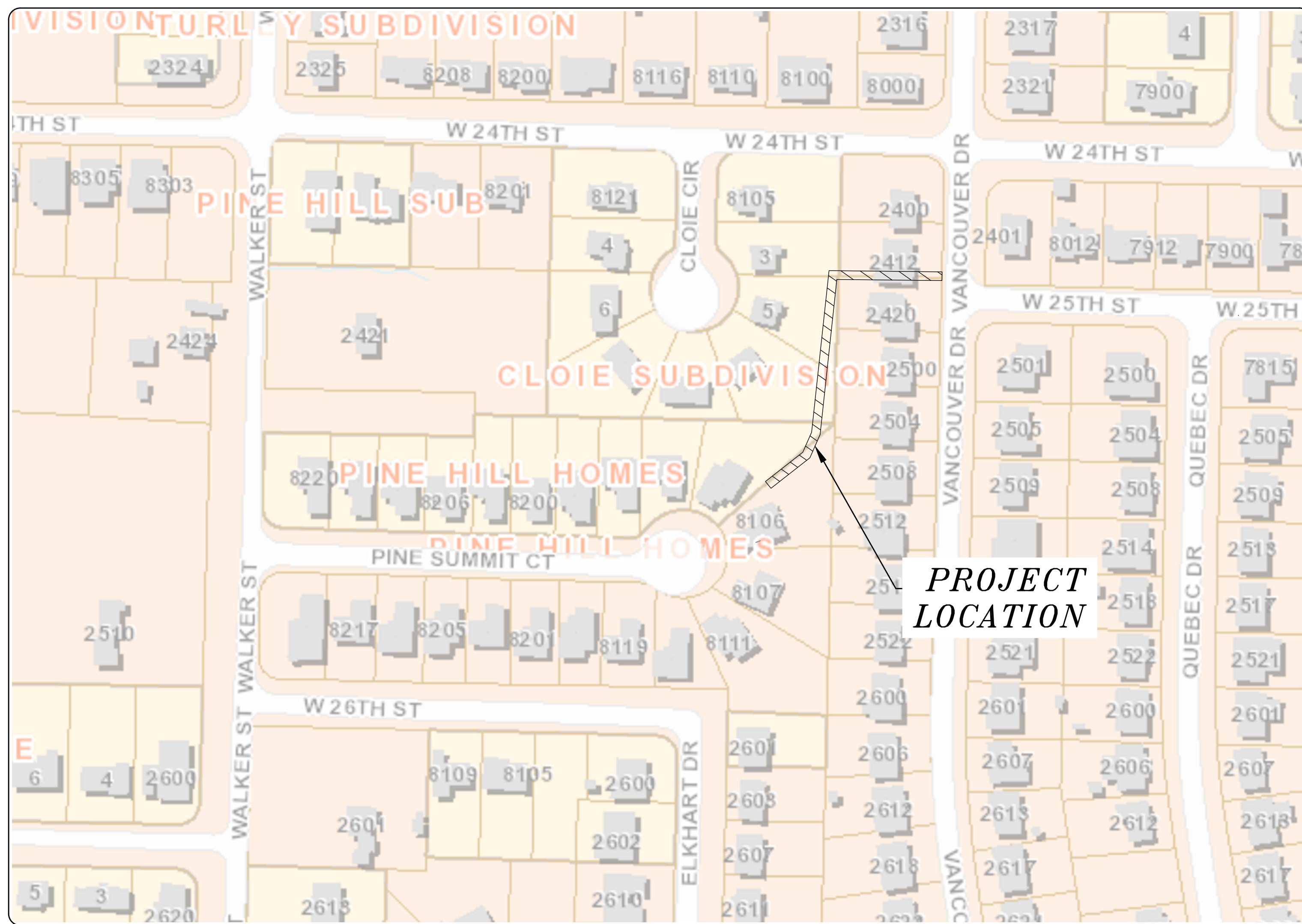


06-22-DR-002 PINE SUMMIT COURT 8110

(PIPE OUTFALL FROM DETENTION TO VANCOUVER)



PROJECT LOCATION - WARD 6



SHEET NO.	TITLE
C 100	COVER SHEET
C 200	LEGEND
C 300	FIELD TIES/LAYOUT SHEET
C 400	EXISTING CONDITIONS
C 500	DRAINAGE PLAN AND PROFILE
C 501	DRAINAGE PLAN AND PROFILE
C 502	CROSS SECTIONS
C 503	DETENTION PLAN
C 600	EROSION CONTROL PLAN - PHASE I
C 601	EROSION CONTROL PLAN - PHASE II
C 602	EROSION CONTROL PLAN - PHASE III



**2023-2025
BOND PROGRAM**

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



Harbor

5800 Evergreen Drive
Little Rock, AR 72205
Ph (501) 663-8800
Fax (501) 588-0123
www.harboenv.com

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
PROJECT VICINITY

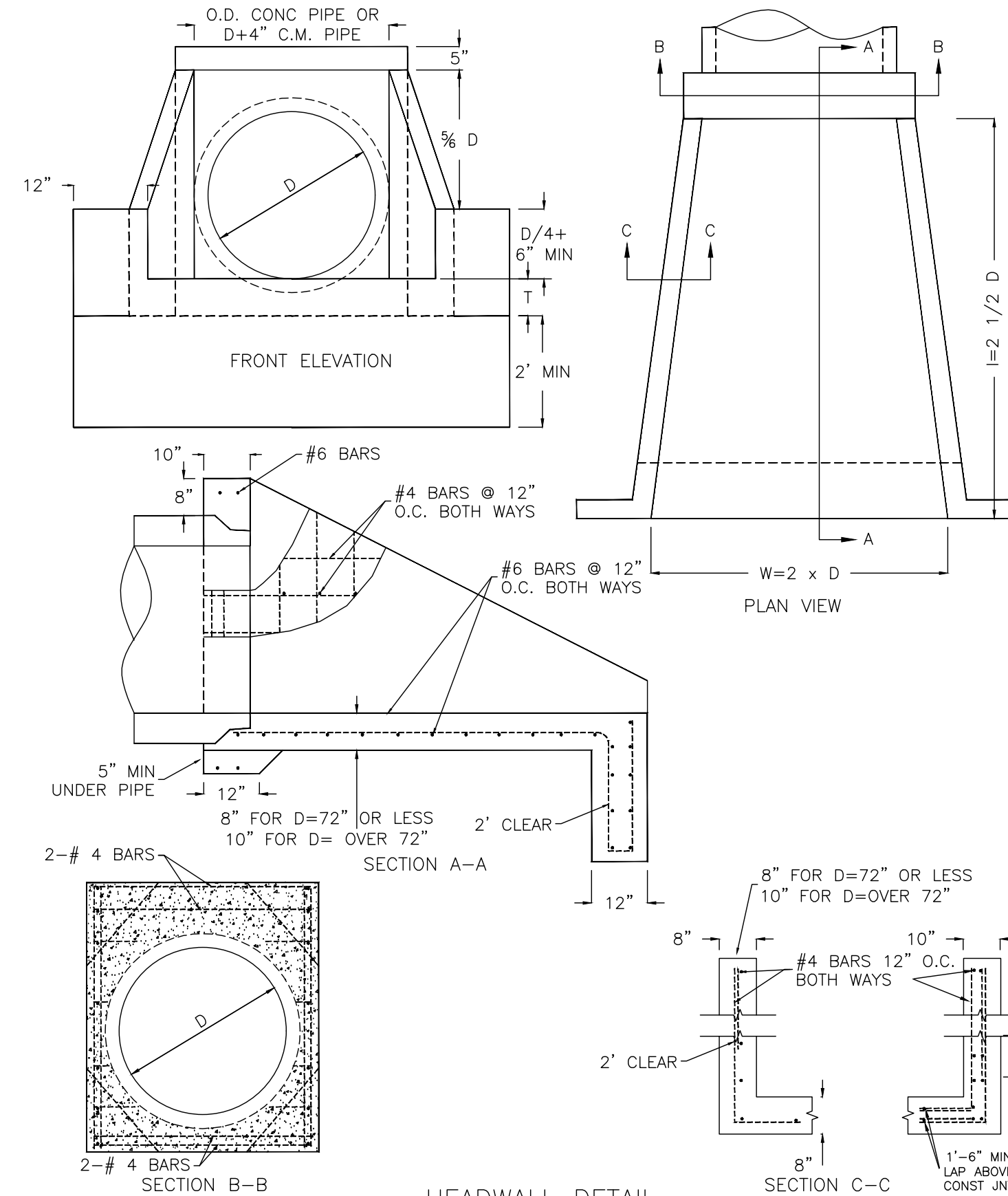
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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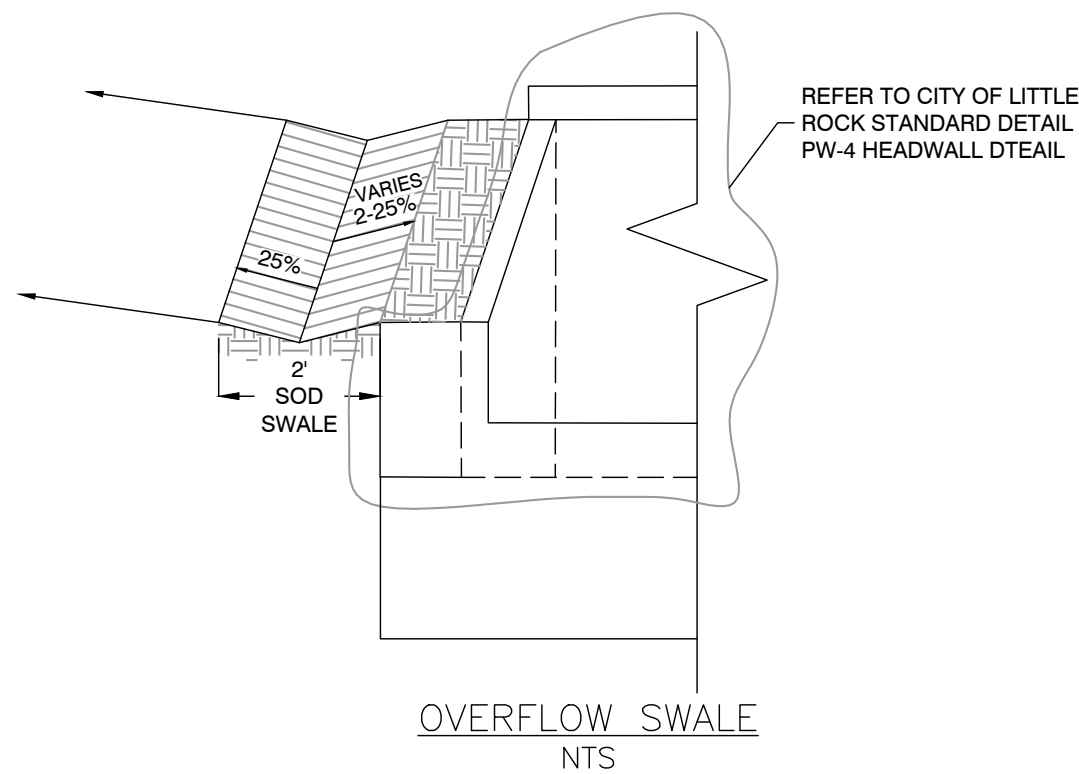
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DESIGNED	designed
CHECKED	checked
DATE	5/20/2024
SCALE	1" = 100'
PROJECT NO.	06-22-DR-002
SHEET NO.	C100

P:\Client Folders A - D\CTLR City of Little Rock\2023-2025 Bond Program\06-22-DR-002 Pine Summit Court Drainage\CTLR Pine Summit Court Drainage RLS.dwg

CLR PROJECT # 06-22-DR-002			
PINE SUMMIT COURT 8110			
5/29/2024			
ITEM NO.	DESCRIPTION OF ITEMS	CONTRACT QUANTITY	UNIT
	DTICH MAINTENANCE	156.5	L.F.
2.01	SITE PREPARATION	1	L.S.
3.01	UNCLASSIFIED EXCAVATION	708	C.Y.
10.01	JUNCTION BOX - 5' BOX	2	EA
11.05	REINFORCED CONCRETE PRECAST HEADWALL 24"	1	EA
13.24RC	STORM DRAIN PIPE, 24" RCP	20.41	L.F.
14.01	SOLID SODDING (BERMUDA)	1044	S.Y.
16.01	MAINTENANCE OF TRAFFIC	1	L.S.
18.01	REMOVE AND REPLACE FENCE	92	L.F.
19.01	FINAL CLEAN UP	1	L.S.
23.01	B STONE		TON
24.01	SILT FENCE, TYPE A(SFA)	260	L.F.
24.03	DIVERSION BERM(DI)		C.Y.
24.03	SEDIMENT BARRIER, SILT FENCE (SD1)	2	EA
24.05	SEDIMENT BARRIER, BLOCK & GRAVEL (SD3)	2	EA
24.05	SEDIMENT BARRIER, BLOCK (SD4)		EA
24.06	DISTURBED AREA STABILIZATION (TS2)		AC
SP	DETENTION OUTLET STRUCTURE	1	L.S.
26.10	TRENCH & EXCAVATION SAFETY	1	L.S.



HEADWALL DETAIL
CITY OF LITTLE ROCK DETAIL PW-4
NTS

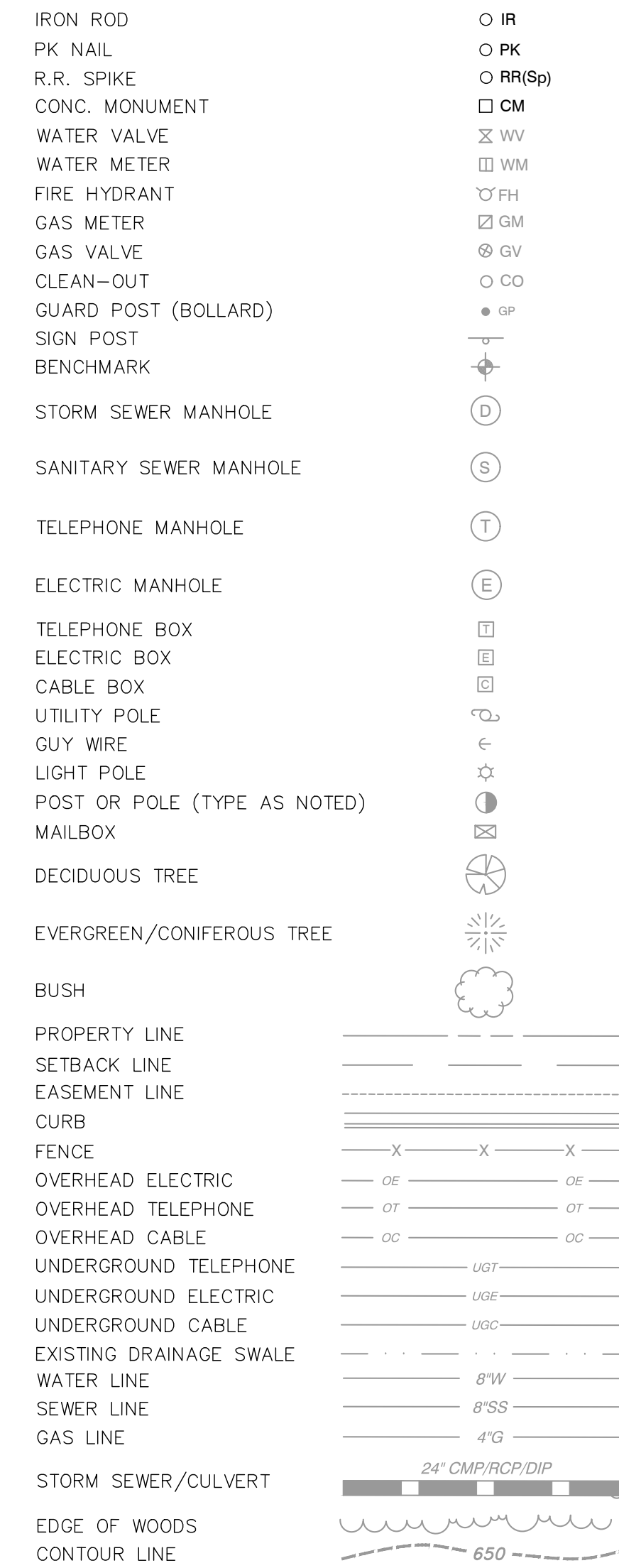


OVERFLOW SWALE
NTS

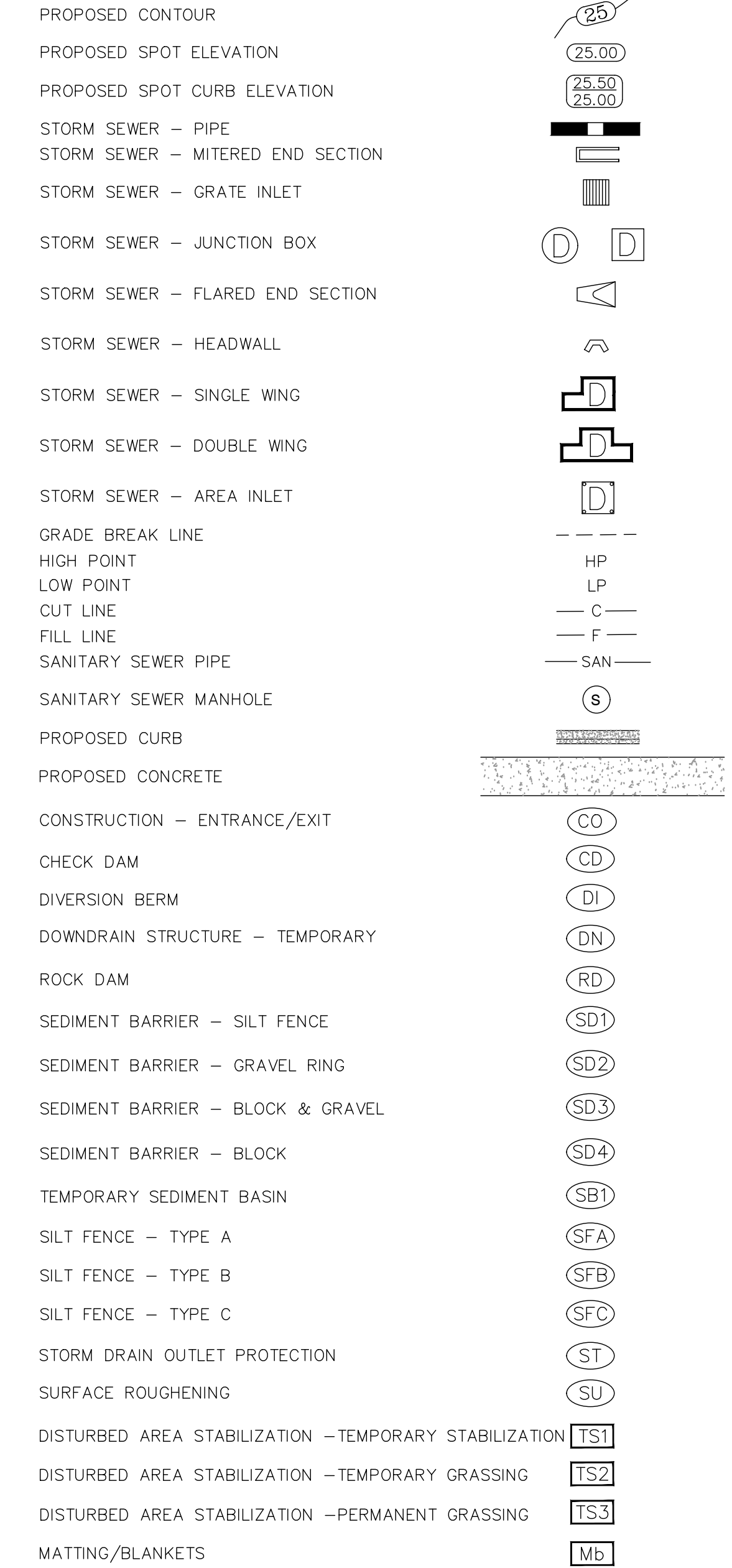
NOTES:

1. GRADE SOD SWALE ADJACENT TO PROPOSED HEADWALL FOR POTENTIAL OVERFLOW TO EXISTING DOWNSTREAM BOX

EXISTING



PROPOSED



CIVIL GENERAL NOTES

1. ANY DAMAGE TO LANDSCAPING AREAS, YARDS, FENCES OR SIGNS SHALL BE RESTORED TO CONDITION SATISFACTORY TO THE CITY OF LITTLE ROCK PUBLIC WORKS.
2. DISTURBED GRASS AREAS SHALL BE REPLACED BY TOPSOIL AND SEEDING OR HYDROMULCH.
3. 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.
4. ALL WORK SHALL CONFORM AS APPLICABLE TO THE CITY OF LITTLE ROCK PUBLIC WORKS DEPARTMENT STANDARD DETAILS FOR STREET AND DRAINAGE FACILITIES IMPROVEMENTS.
5. REFER TO TECHNICAL SPECIFICATIONS IN THE PROJECT MANUAL FOR SPECIFIC MATERIAL AND PRODUCT REQUIREMENTS.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110

LEGEND

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

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DRAWN BY
JNS
DESIGNED
designed
CHECKED
checked
DATE
4/2/2024
SCALE
1" = as noted

PROJECT NO.
06-22-DR-002
SHEET NO.
C200

REVISIONS	DATE

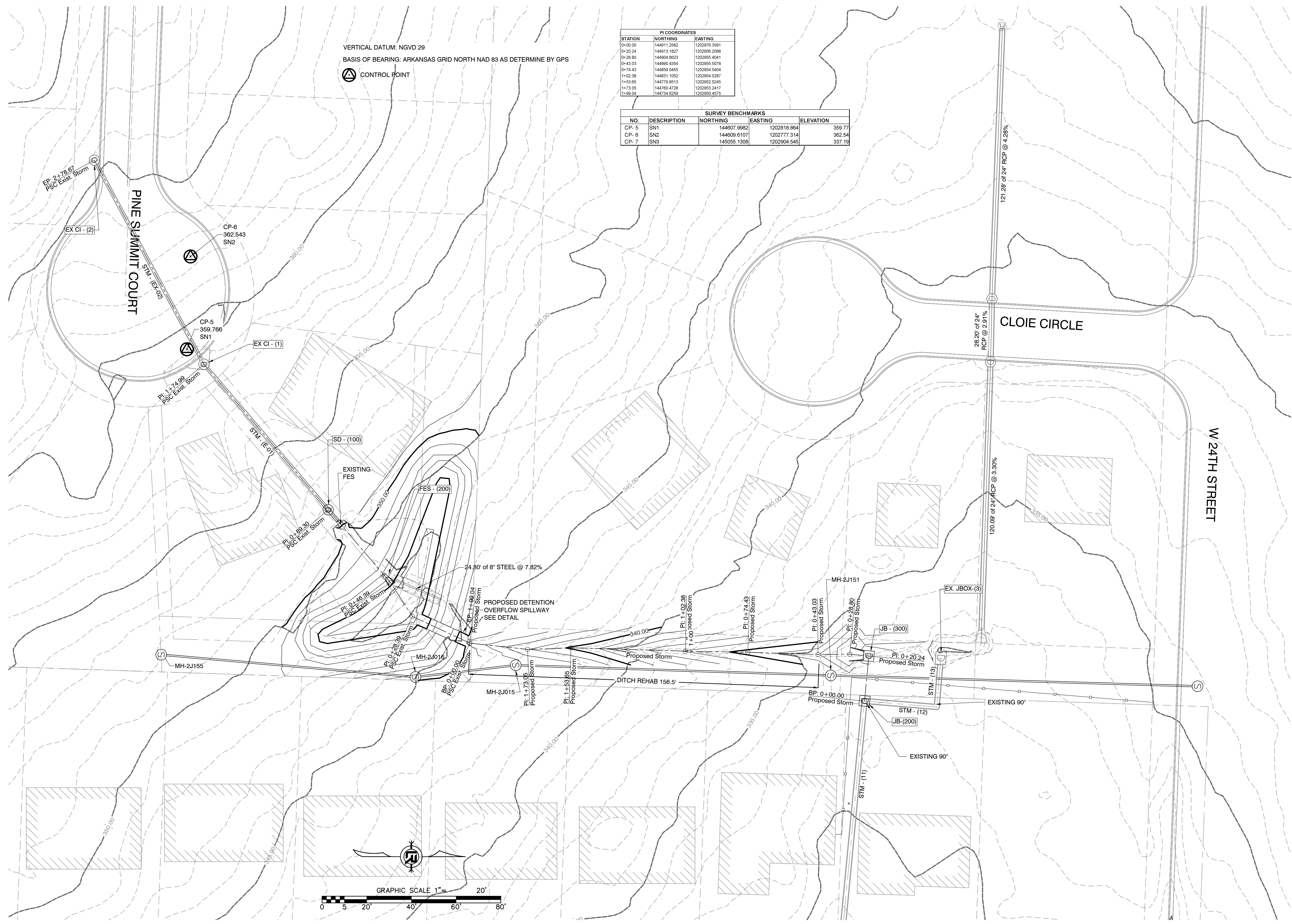
CITY OF LITTLE ROCK, ARKANSAS
RINKE ROAD AT REPUBLIC DRAINAGE IMPROVEMENTS
 FIELD TIES/LAYOUT SHEET

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

**60%
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 SET**

DRAWN BY
 JNS
 DESIGNED
 JNS
 CHECKED
 AHR
 DATE
 5/20/2024
 SCALE
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 PROJECT NO.
 CLR # 02-22-DR-08
 SHEET NO.
C3

P:\Client Folders A - D\CLTR City of Little Rock\25422 Engineering Serv for LR (4 projects)\08-22-DR-02 Pine Summit Court Drainage from #8110 Pine Summit to Vancouver Drive\Drawings\CLTR Pine Summit Court Drainage RB 6.dwg



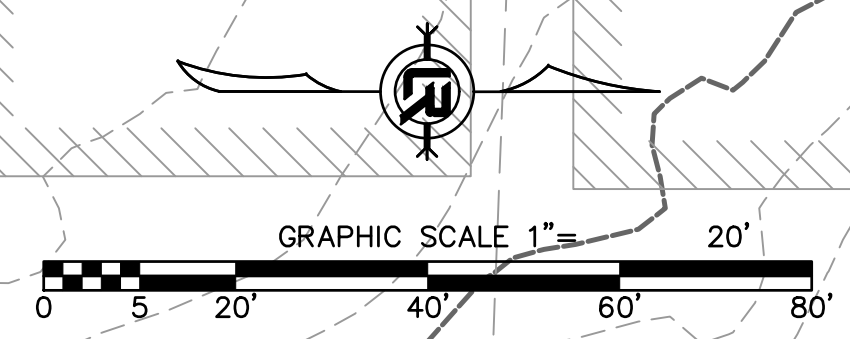
PI COORDINATES

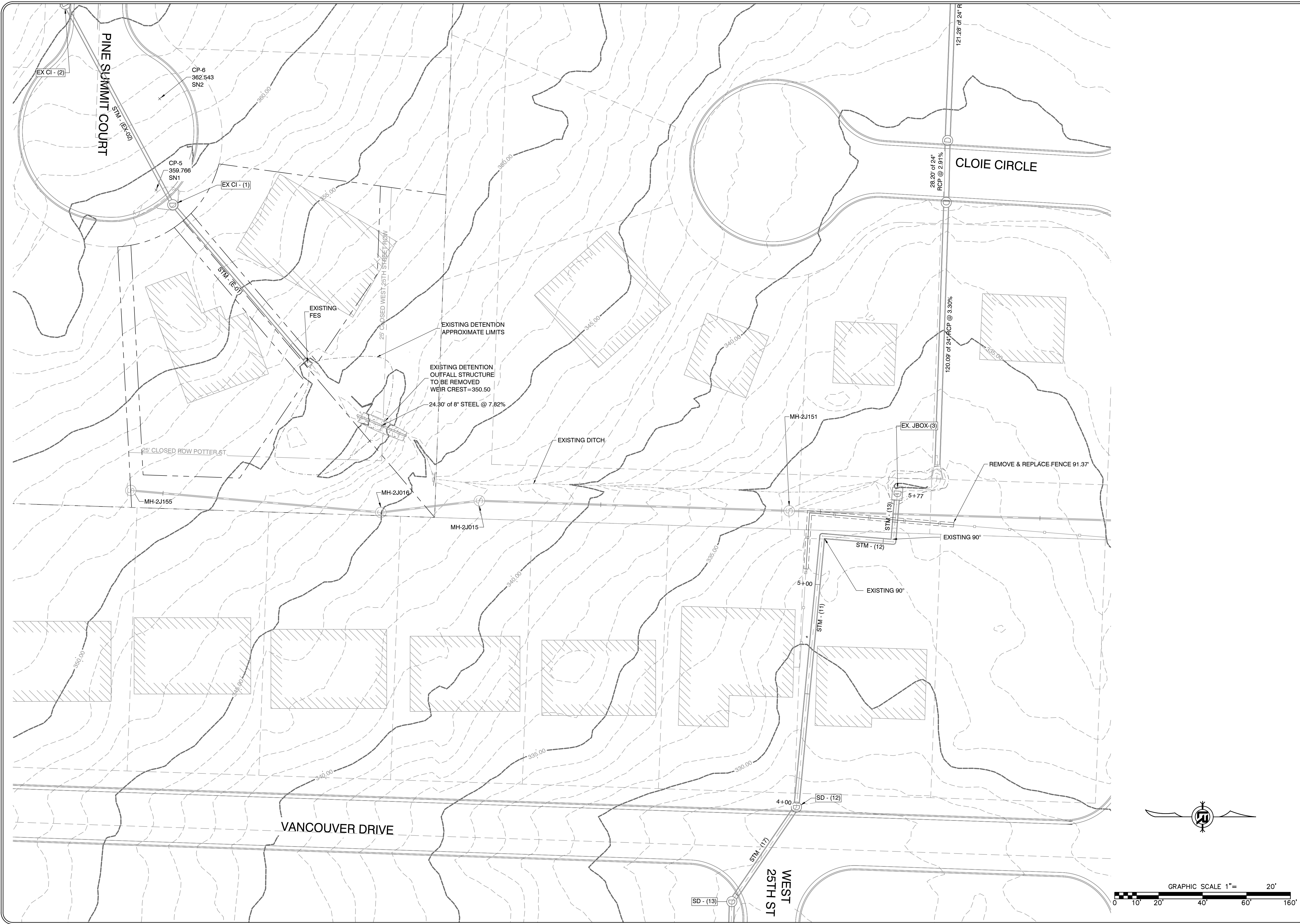
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0+20.24	144913.1827	1202956.2088
0+28.85	144904.6923	1202955.4041
0+43.03	144890.4254	1202955.5078
0+74.43	144859.0455	1202954.5404
1+02.38	144831.1052	1202954.0287
1+53.85	144779.8513	1202952.5245
1+73.05	144760.4728	1202953.2417
1+98.04	144734.6259	1202950.4575

SURVEY BENCHMARKS

NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP-5	SN1	144607.9682	1202818.864	359.77
CP-6	SN2	144609.6107	1202777.314	362.54
CP-7	SN3	145055.1308	1202804.545	337.19

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

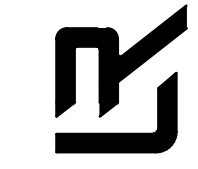




REVISIONS	DATE

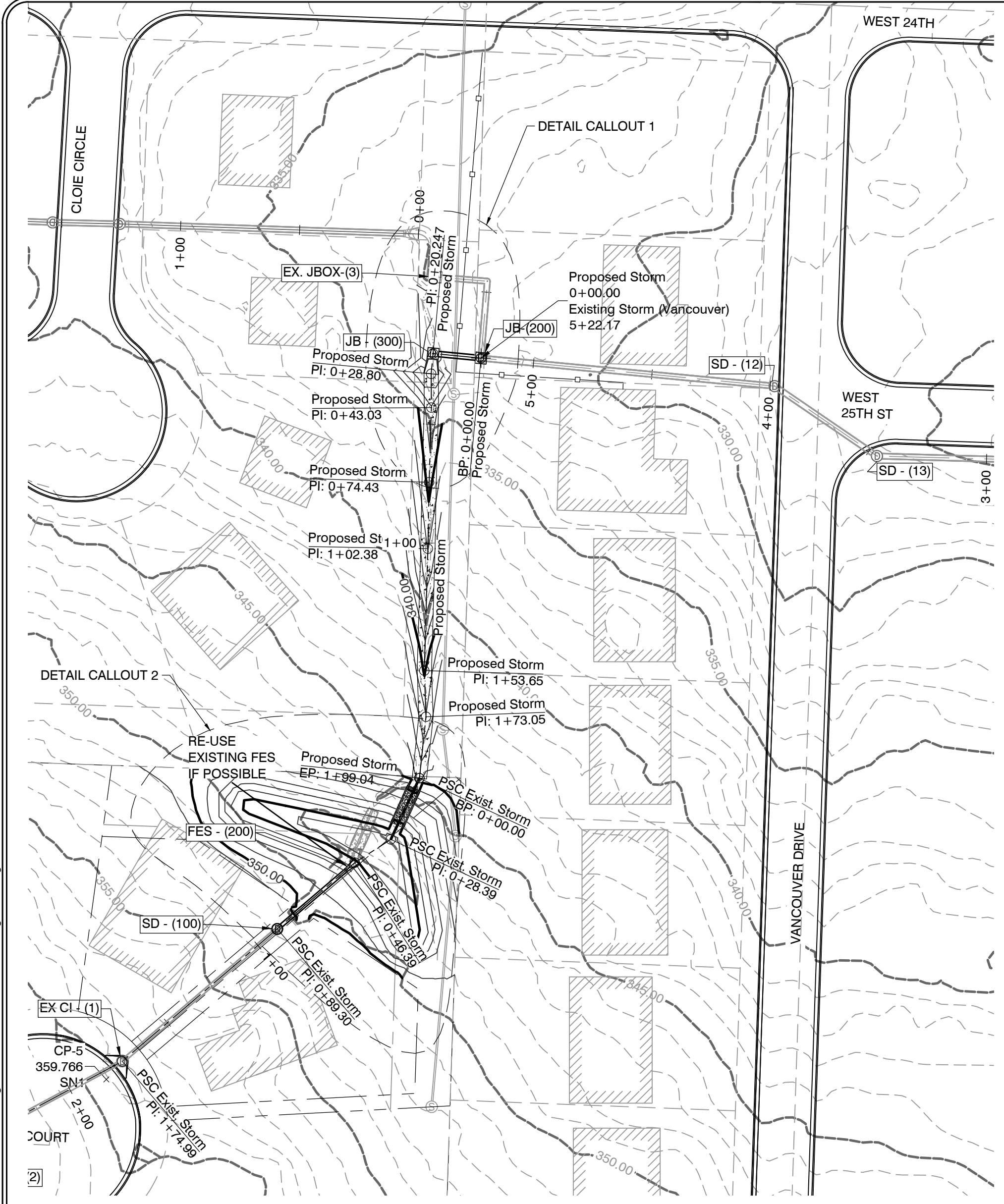
CITY OF LITTLE ROCK, ARKANSAS
 PINE SUMMIT COURT 8110
 EXISTING SITE CONDITIONS

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



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DRAWN BY
 JNS
 DESIGNED
 designed
 CHECKED
 checked
 DATE
 5/20/2024
 SCALE
 1" = AS NOTED
 PROJECT NO.
 06-22-DR-002
 SHEET NO.
C400

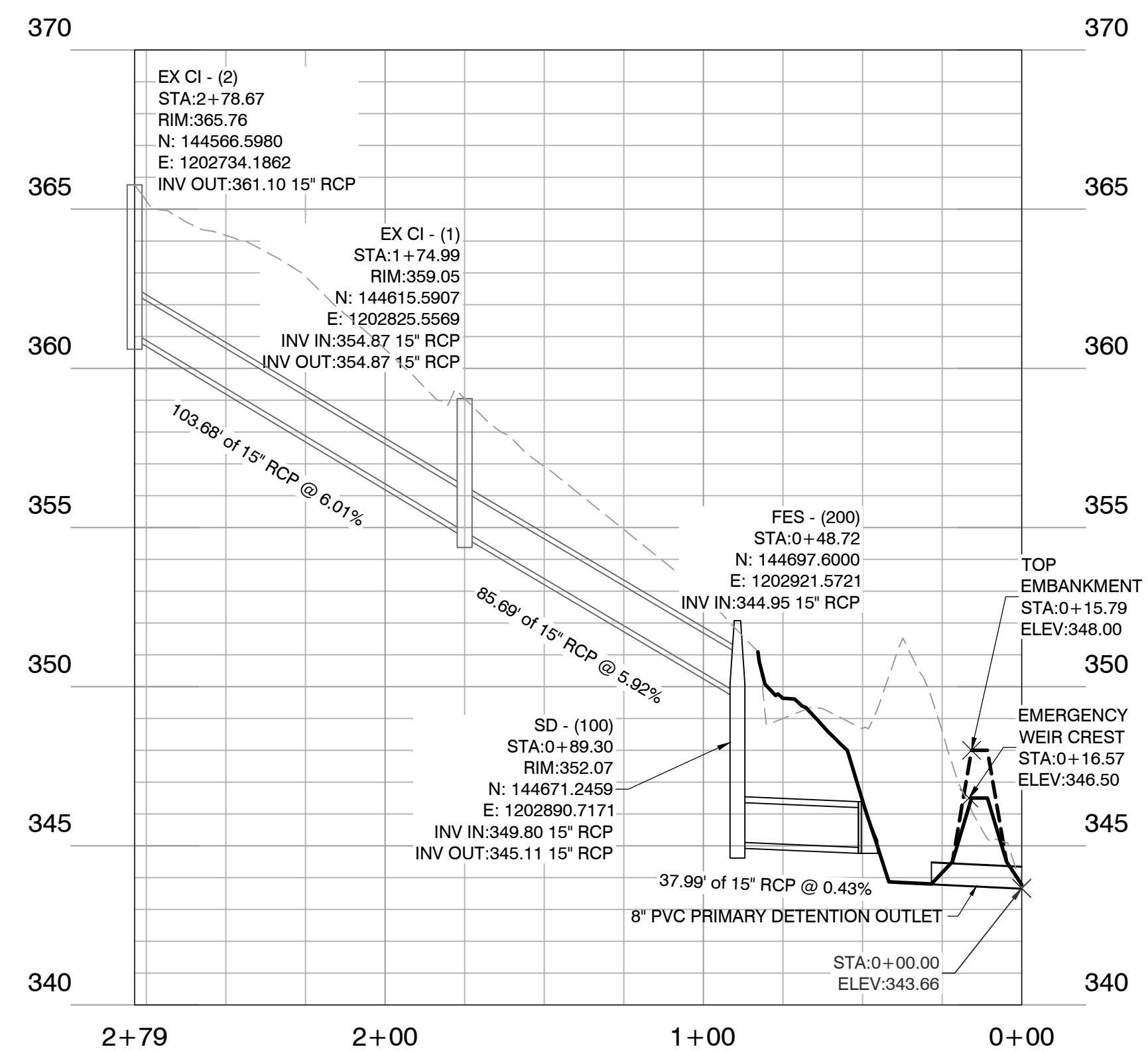


GRADING AND DRAINAGE NOTES

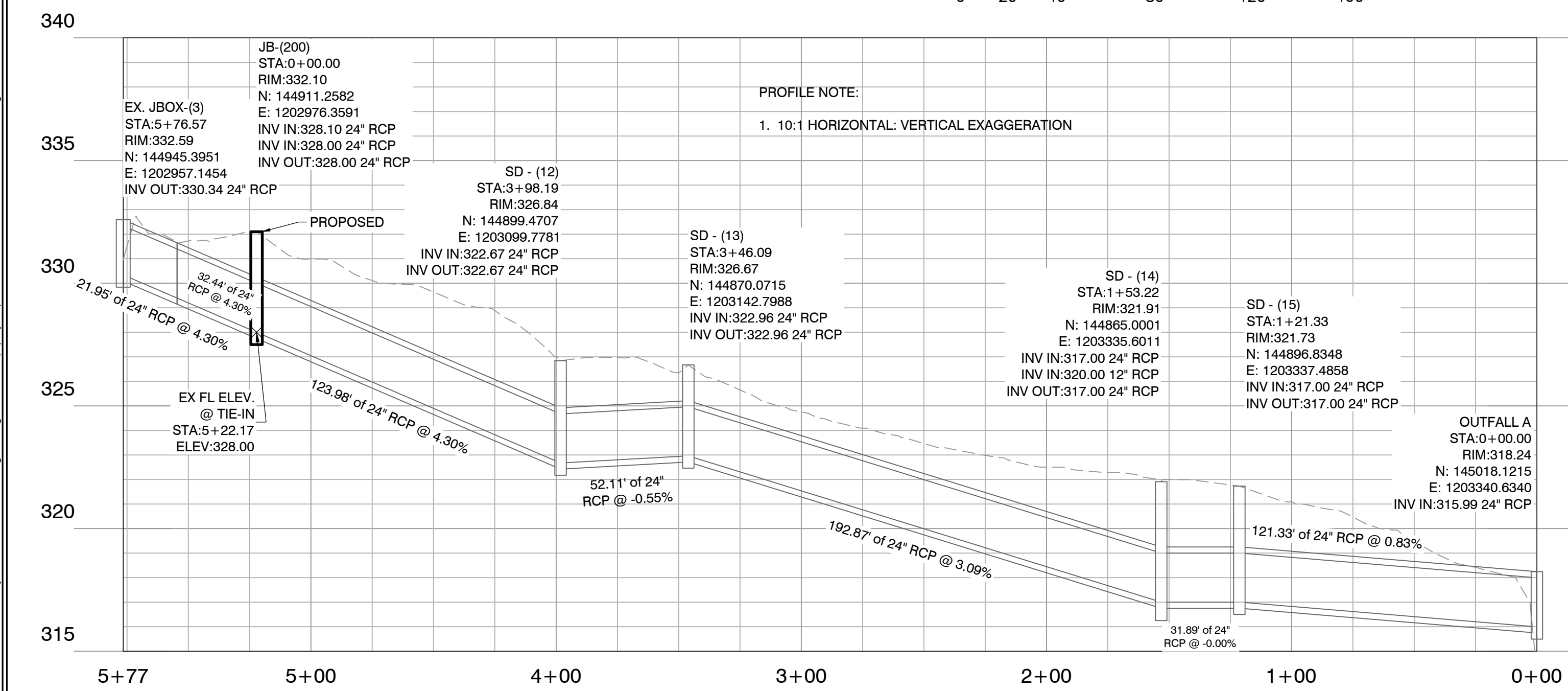
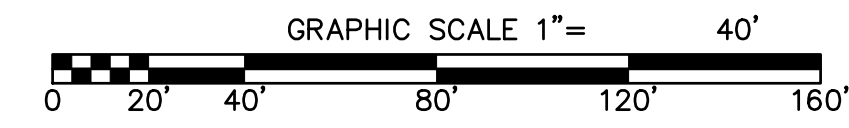
- REHAB OF EXISTING DITCH INCLUDES CONSTRUCTION OF A V-SHAPED CONCRETE CHANNEL, CLEARING DEBRIS FROM DRAINAGE EASEMENT, TRIMMING VEGETATION WHICH IS OBSTRUCTING DEFINED DITCH, AND RESHAPING THE SIDE SLOPES ADJACENT TO THE SECTION OF CONCRETE CHANNEL AS NECESSARY ALONG THE LINEAR SEGMENT OF DITCH WHICH HAS BEEN ANNOTATED/DIMENSIONED ON PLAN AS "REHAB DITCH".
- EXISTING J-BOX 3 HAS OPENING ON WEST SIDE WHICH CURRENTLY RECEIVES RUNOFF FROM CLOIE CIRCLE UNDERGROUND STORM DRAINS AND PINE SUMMIT COURT DETENTION.

DRAINAGE PLAN & PROFILE NOTES

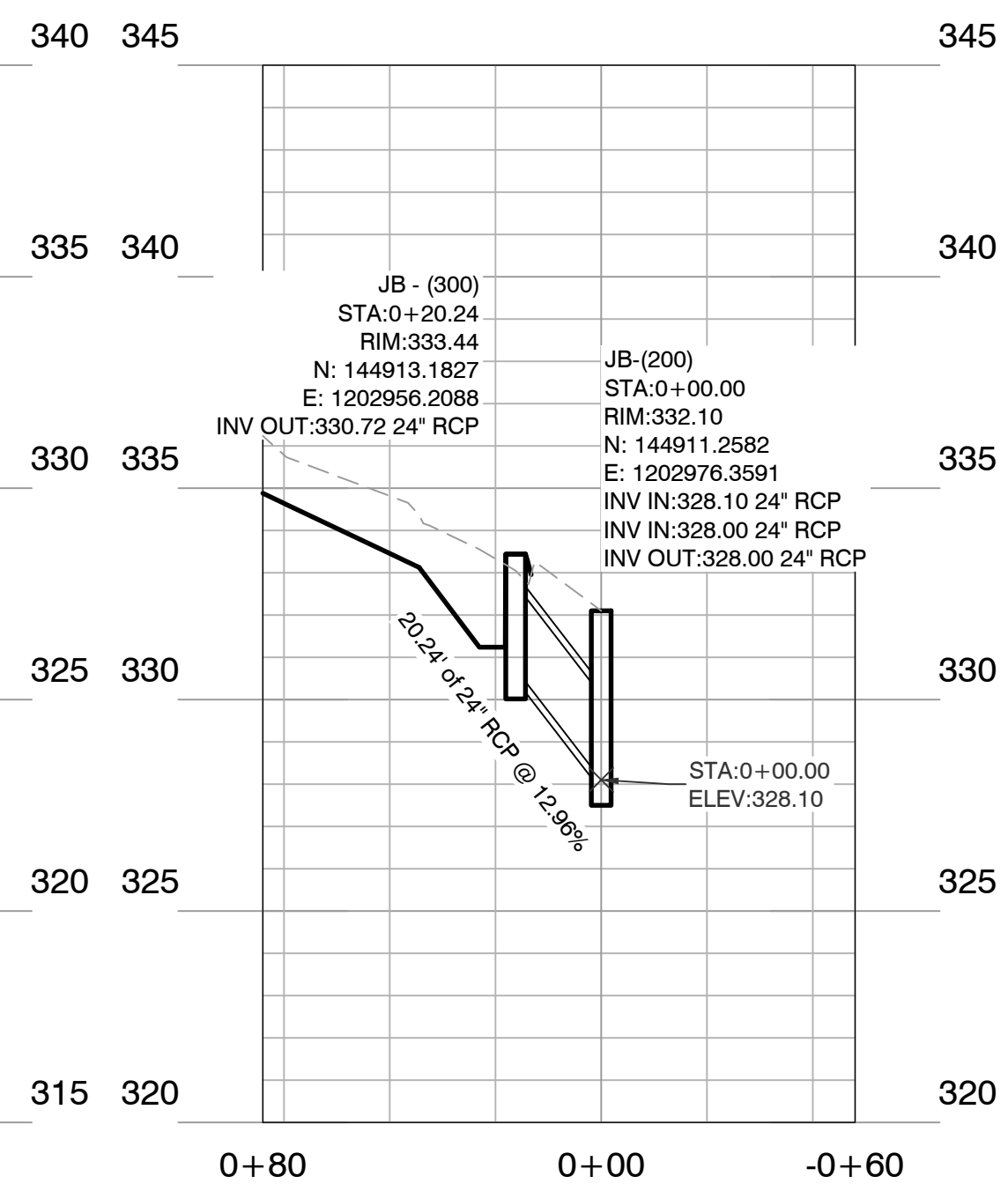
- "PSC EXIST STORM" ALIGNMENT IS THE STORM ALIGNMENT PROFILING THE EXISTING UNDERGROUND STORM DRAINS FOR THE PINE SUMMIT COURT CUL-DE-SAC AND EXTENDS DOWNSTREAM TO A POINT JUST BEYOND THE POINT OF DISCHARGE FOR THE PROPOSED DETENTION POND OUTLET LOCATED AT THE NORTHEAST CORNER OF 8106 AND 8110 PINE SUMMIT COURT.
- "PROPOSED STORM" ALIGNMENT IS THE ALIGNMENT WHICH BEGINS AT PROPOSED J-BOX (300) AND PROFILES AN EXTENSION OF AN EXISTING UNDERGROUND STORM DRAIN BEGINNING AT AN EXISTING 90 DEGREE BEND AT 2412 VANCOUVER DRIVE AND EXTENDING UPSTREAM TO A POINT LOCATED JUST DOWNSTREAM OF THE POINT OF DISCHARGE FOR THE PROPOSED DETENTION POND OUTLET.
- "PROPOSED STORM" ALIGNMENT SHOWN ON PLANS INCLUDES THE PROFILE FOR REHAB OF AN EXISTING DRAINAGE DITCH WHICH BEGINS AND ENDS AT THE STATIONS INDICATED ON PLANS. THE PROFILE FOR THE PROPOSED DITCH REHAB IS SHOWN ON SEPARATE SHEET AND PROFILE GRID THAN THE PROPOSED J-BOX (300) AND CULVERT EXTENSION AT 2412 VANCOUVER DRIVE.
- DITCH REHAB OCCURS FROM STA 0+42.42 TO +1+99.15 ALONG PROPOSED STORM ALIGNMENT.
- [STA 0+00 PSC EXIST STORM] = [STA 1+99.15 PROPOSED STORM]
- RE-USE EXISTING FES (FLARED END SECTION) TO CONSTRUCT PROPOSED FES-(200) IF POSSIBLE.



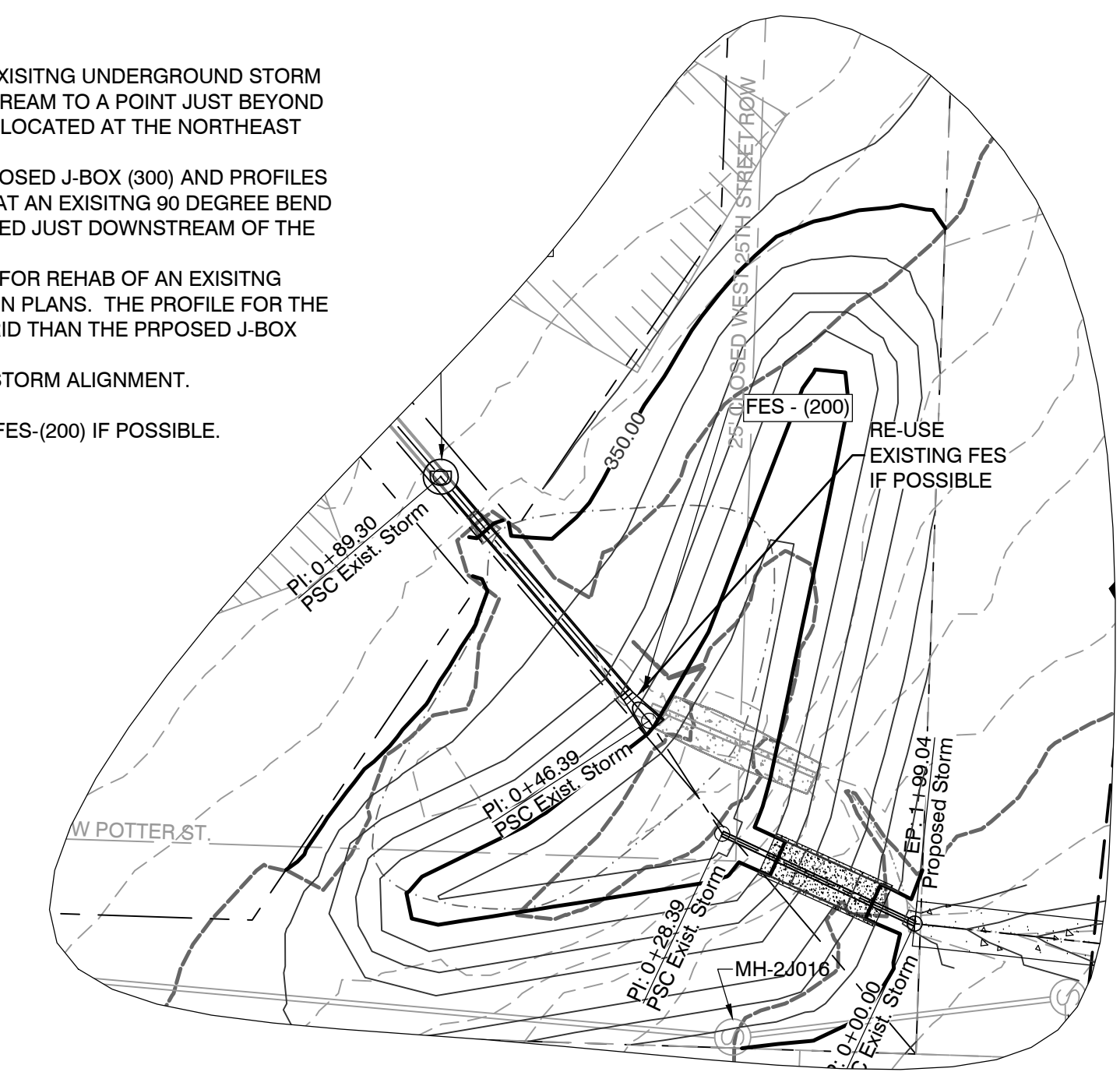
PSC Exist. Storm



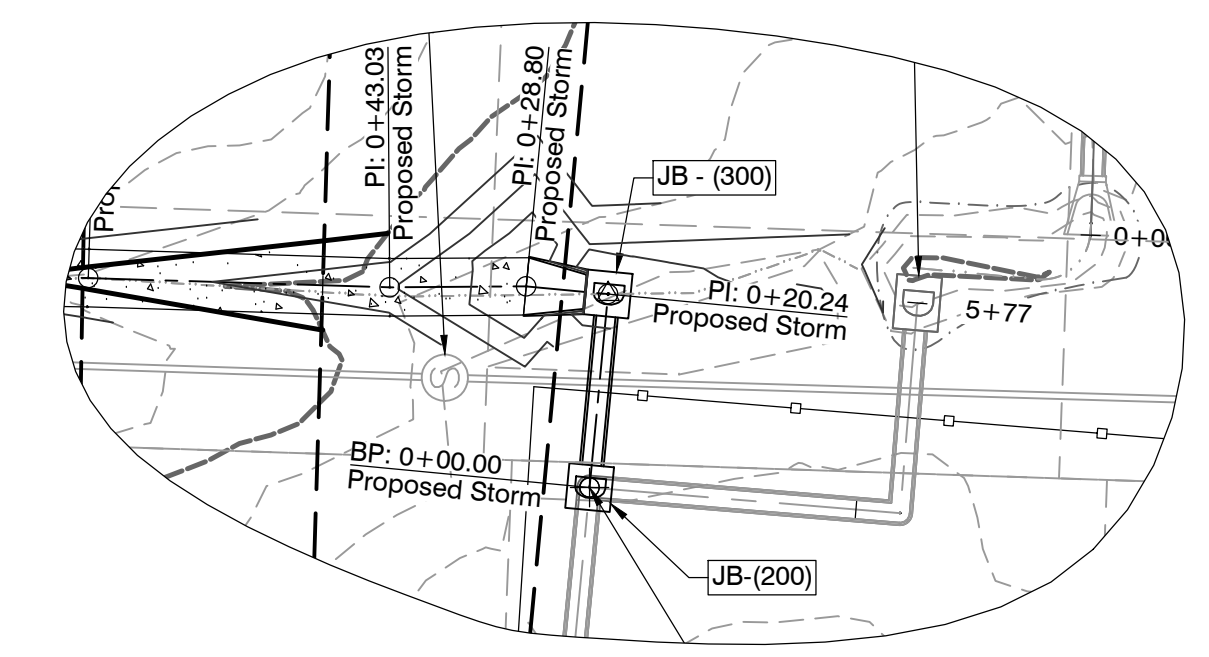
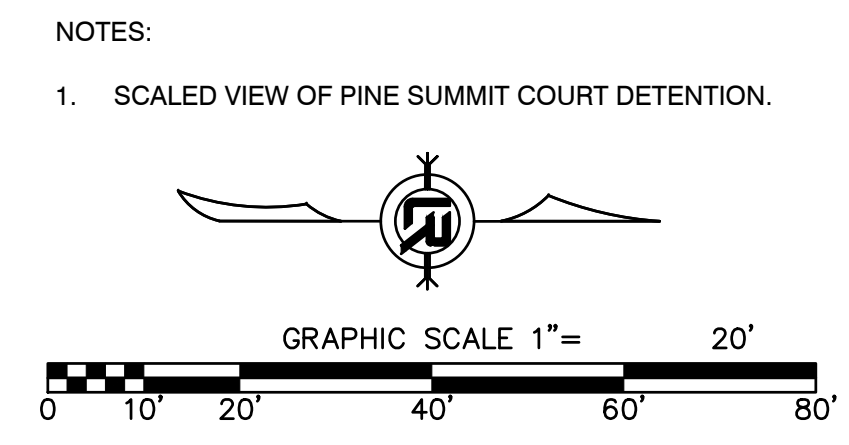
Existing Storm (Vancouver)



Proposed Storm

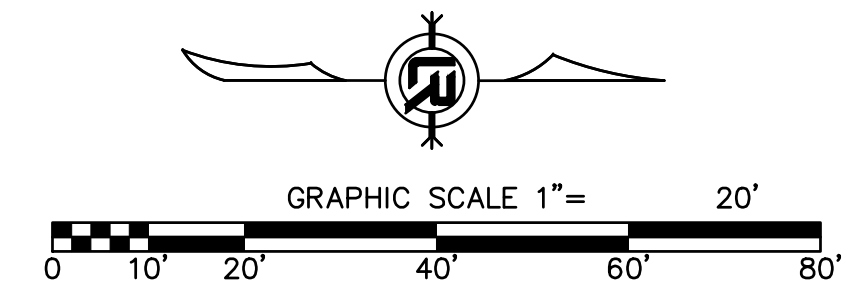


DETAIL CALLOUT 2
SCALE: 1"=20'



DETAIL CALLOUT 1
SCALE: 1"=20'

- NOTES:
- SCALED VIEW OF AREA WITH PROPOSED JUNCTION BOXES.
 - PROPOSED JB-300 INCLUDES HEADWALL ON SOUTH SIDE. SEE HEADWALL DETAIL WITH OVERFLOW SWALE



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
DRAINAGE PLAN AND PROFILE

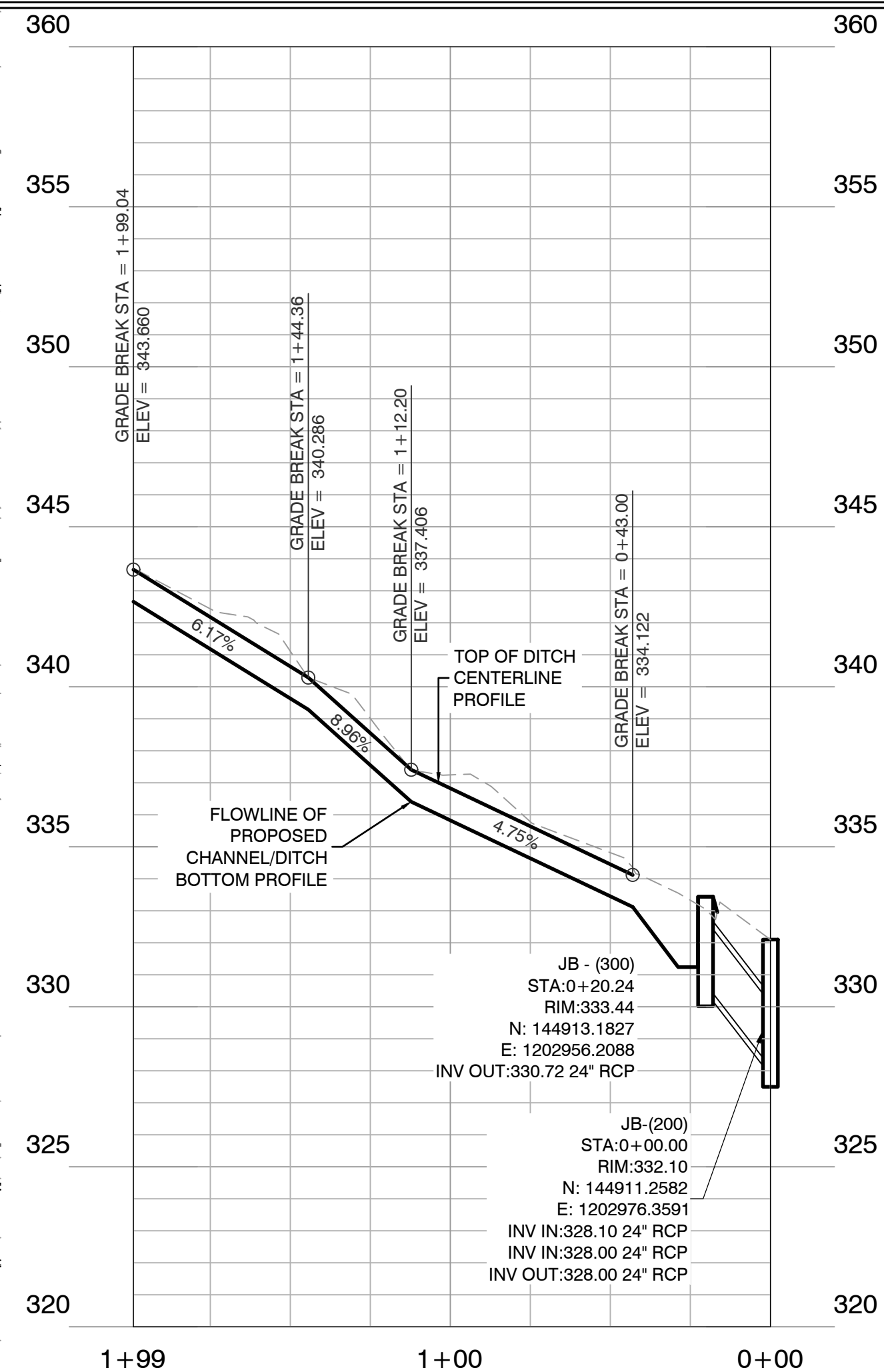
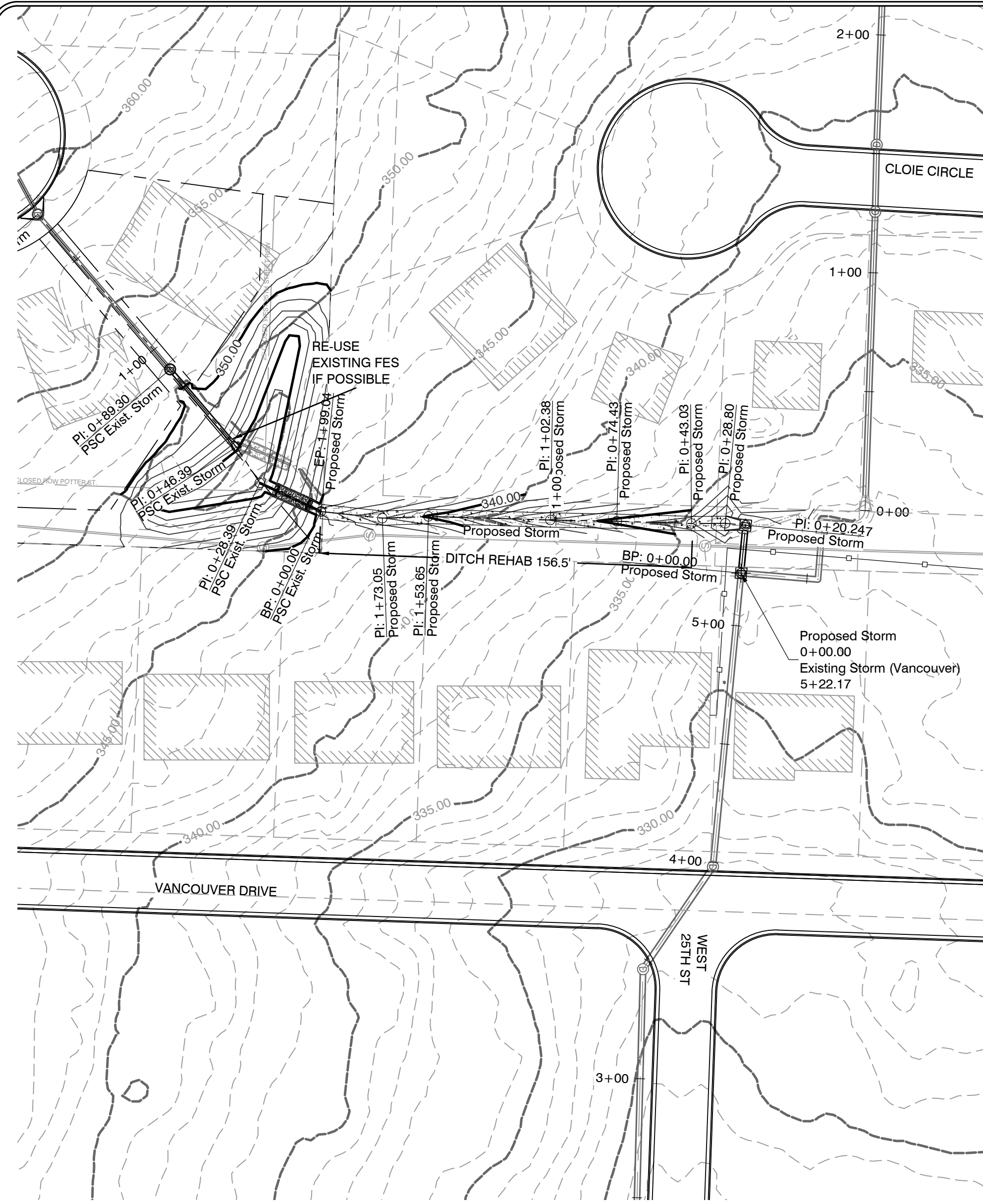
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

**60%
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JNS
DESIGNED
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CHECKED
DATE
5/20/2024
SCALE
1" = AS NOTED
PROJECT NO.
06-22-DR-002
SHEET NO.
C500

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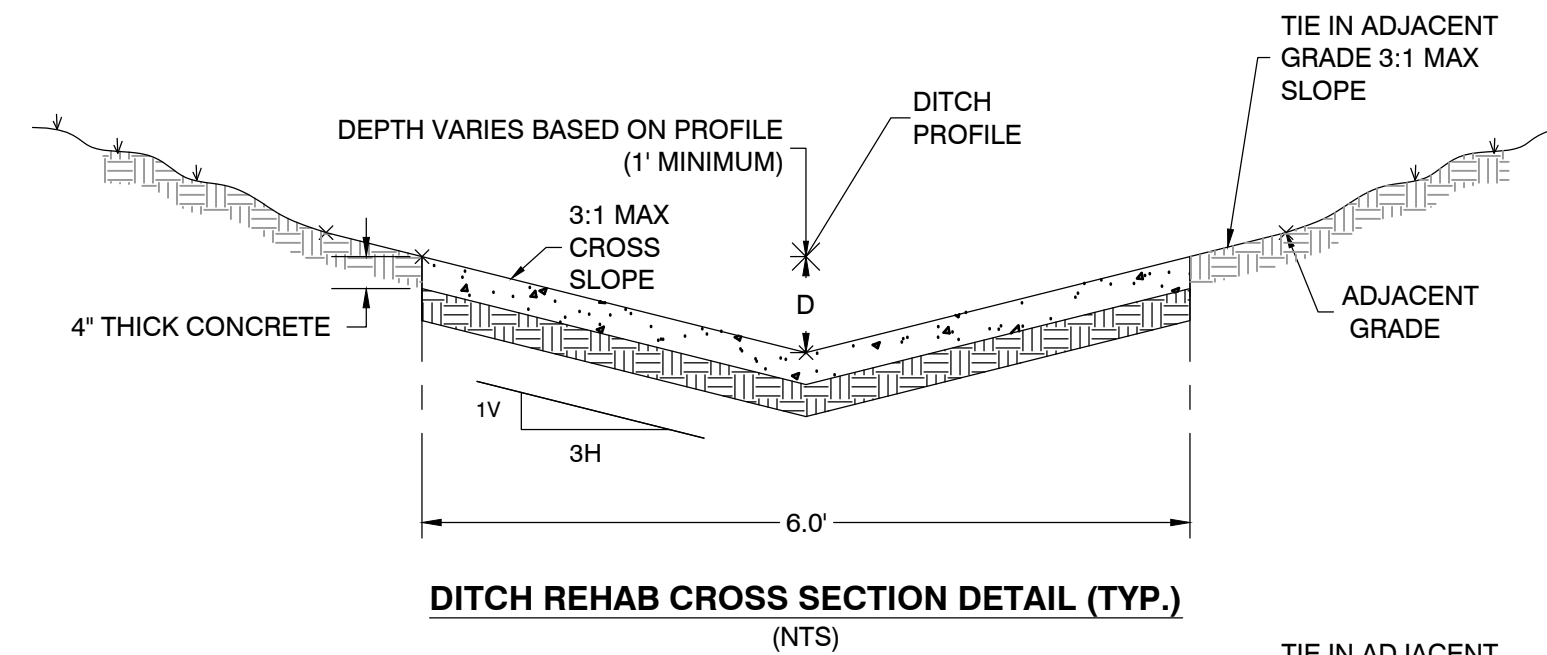
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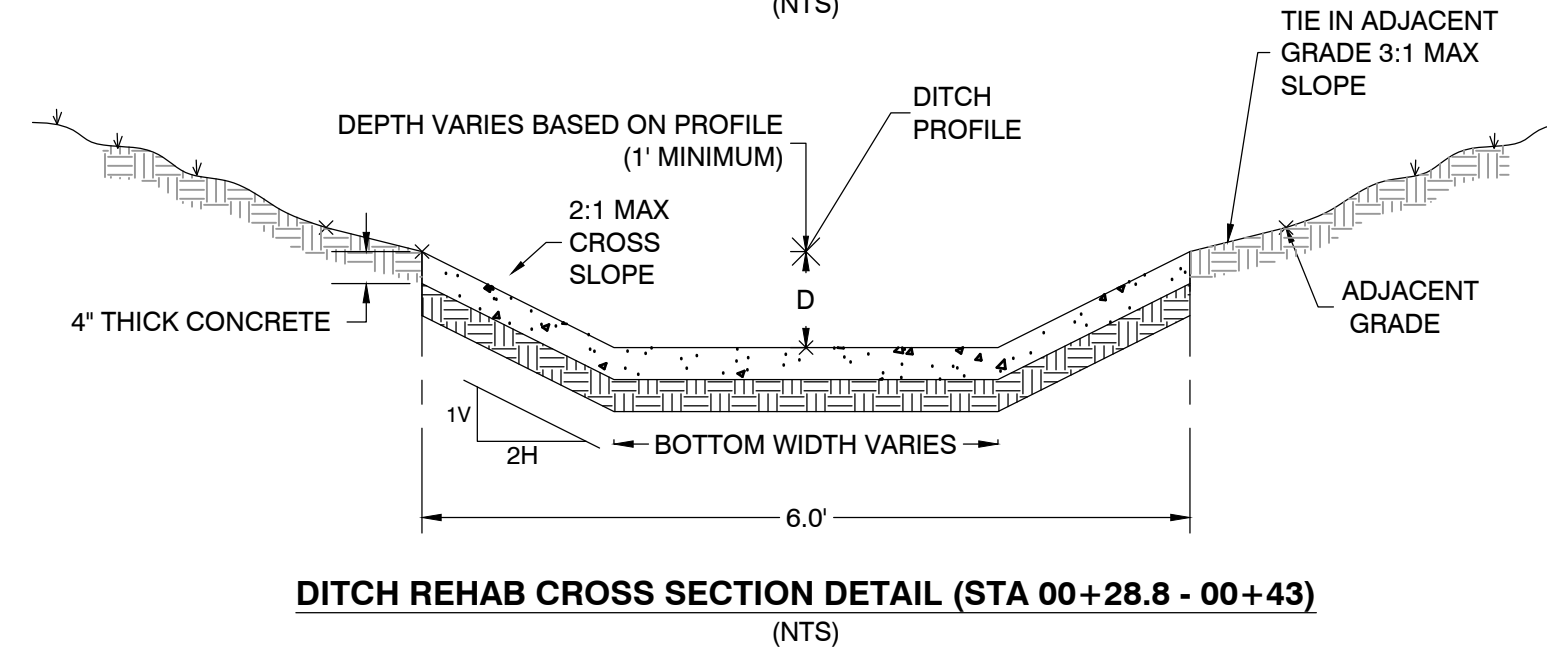
**Proposed Storm
(Ditch Rehab Profile)**

GRADING AND DRAINAGE NOTES

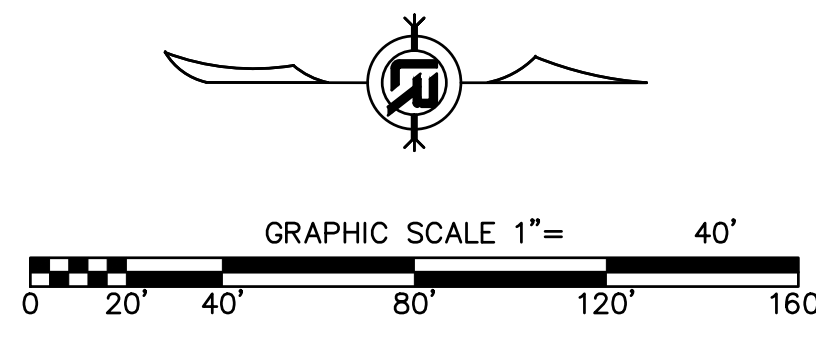
1. REHAB OF EXISTING DITCH INCLUDES CONSTRUCTION OF A V-SHAPED CONCRETE CHANNEL, CLEARING DEBRIS FROM DRAINAGE EASEMENT, TRIMMING VEGETATION WHICH IS OBSTRUCTING DEFINED DITCH, AND RESHAPING THE SIDE SLOPES ADJACENT TO THE SECTION OF CONCRETE CHANNEL AS NECESSARY ALONG THE LINEAR SEGMENT OF DITCH WHICH HAS BEEN ANNOTATED/DIMENSIONED ON PLAN AS "REHAB DITCH".
2. EXISTING J-BOX 3 HAS OPENING ON WEST SIDE WHICH CURRENTLY RECEIVES RUNOFF FROM CLOIE CIRCLE UNDERGROUND STORM DRAINS AND PINE SUMMIT COURT DETENTION.



**DITCH REHAB CROSS SECTION DETAIL (TYP.)
(NTS)**



**DITCH REHAB CROSS SECTION DETAIL (STA 00+28.8 - 00+43)
(NTS)**



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
DRAINAGE PROFILES

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

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CHECKED
checked
DATE
5/20/2024
SCALE
1" = 20'H;10'V
PROJECT NO.
06-22-DR-002
SHEET NO.
C501

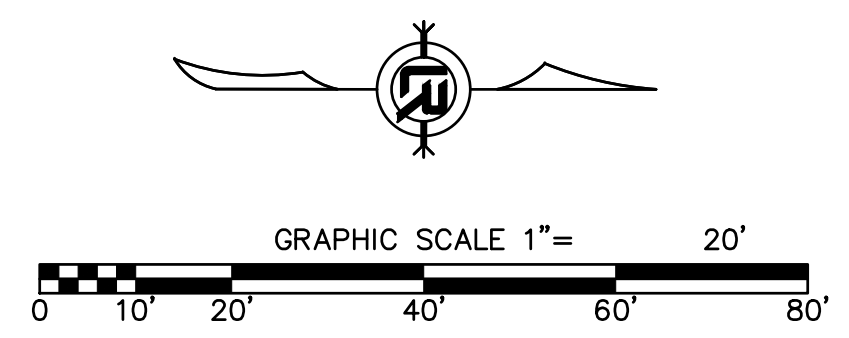
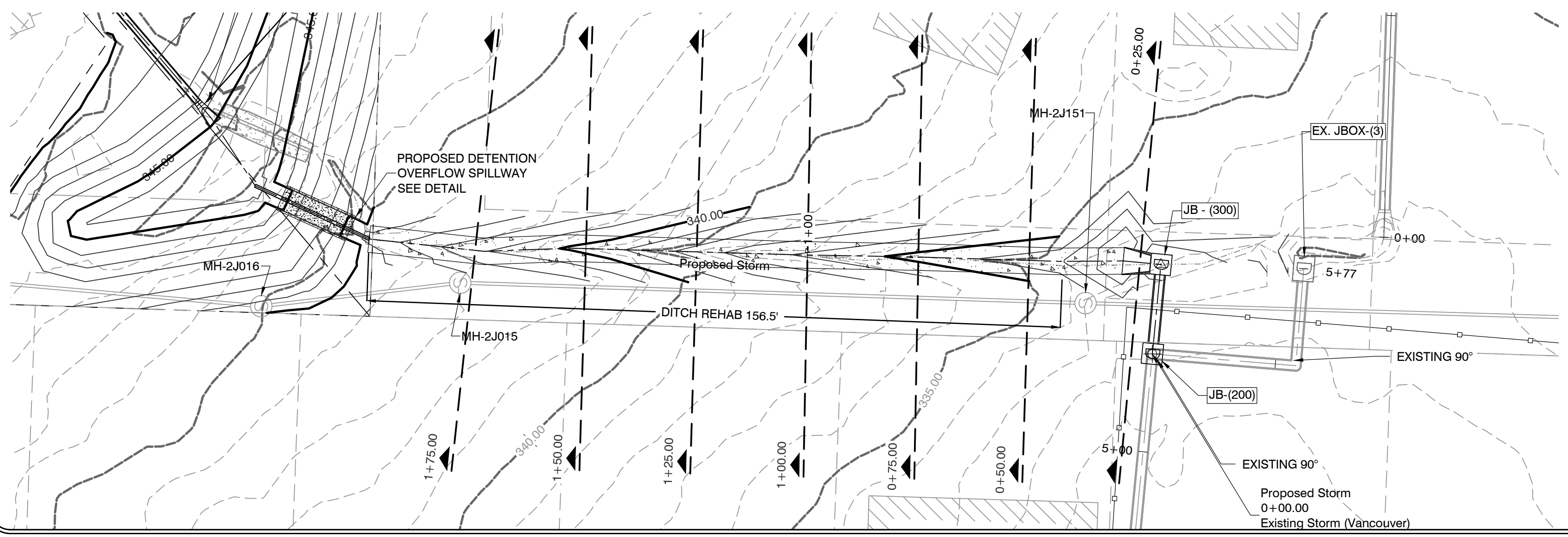
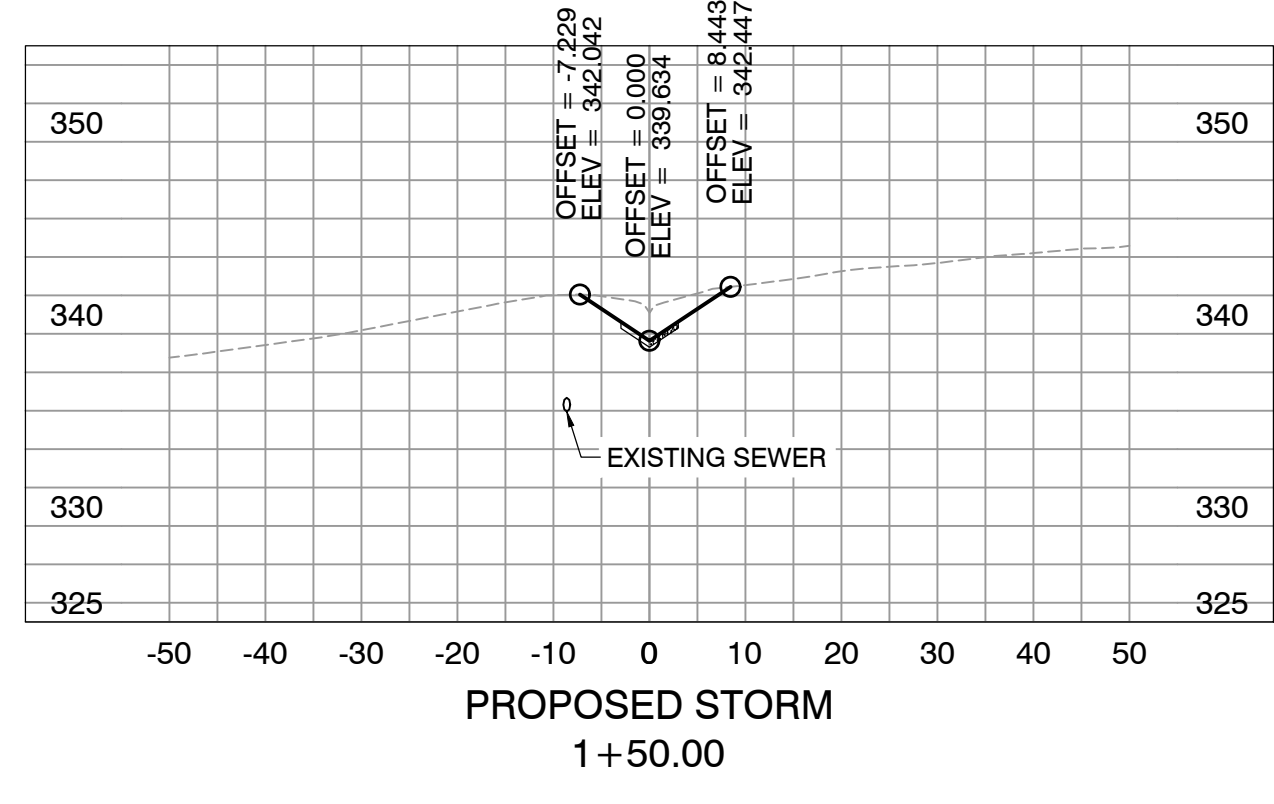
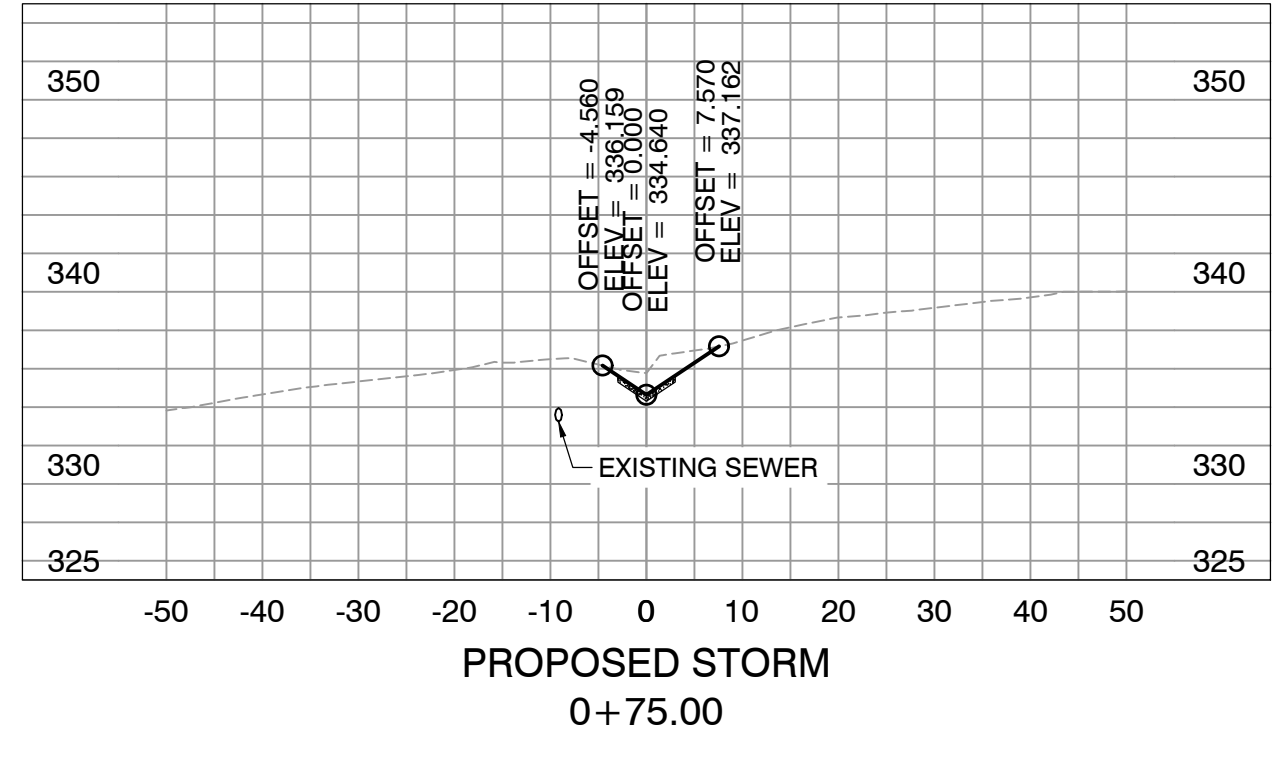
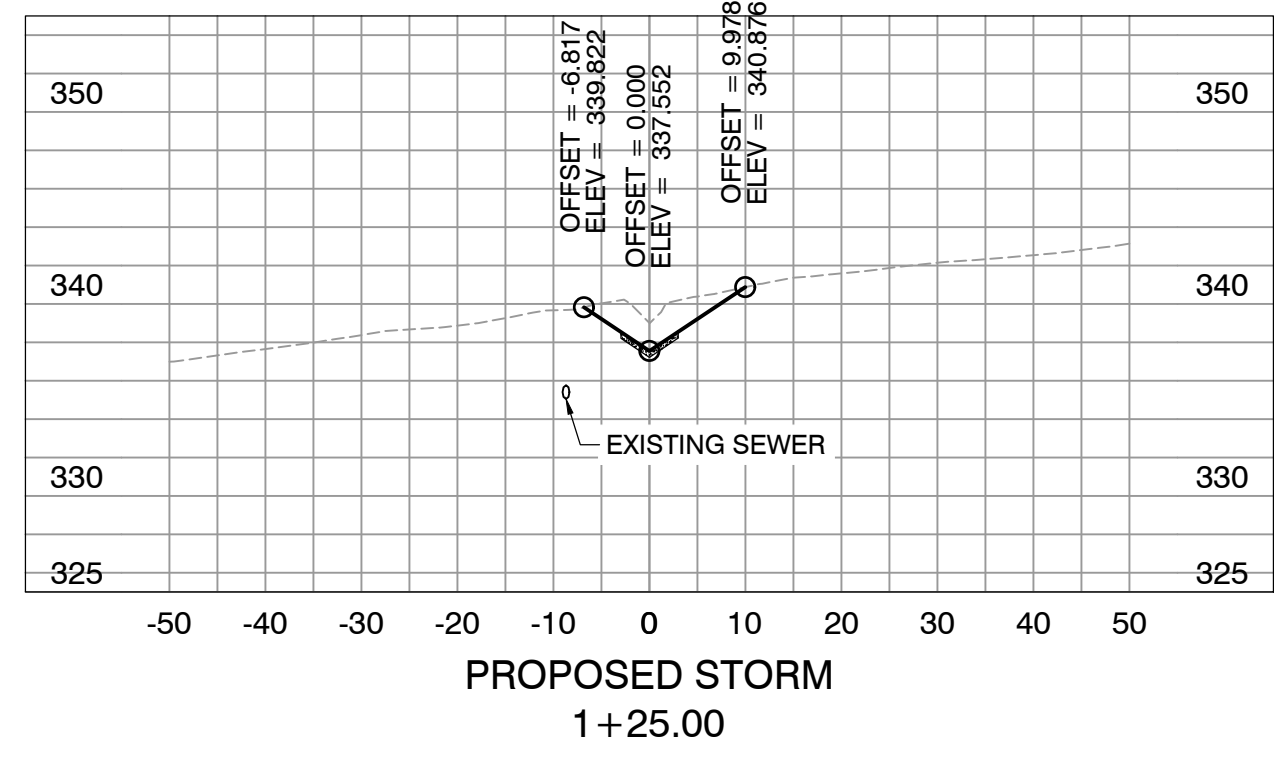
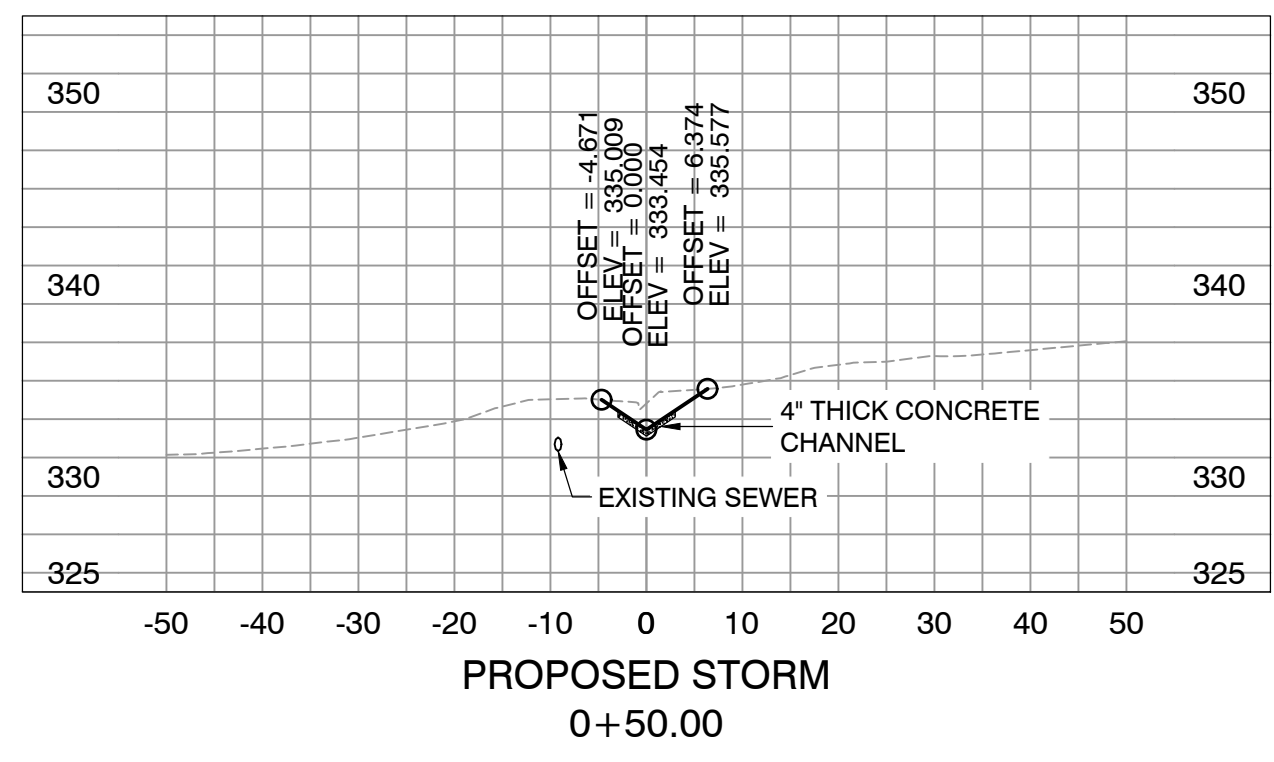
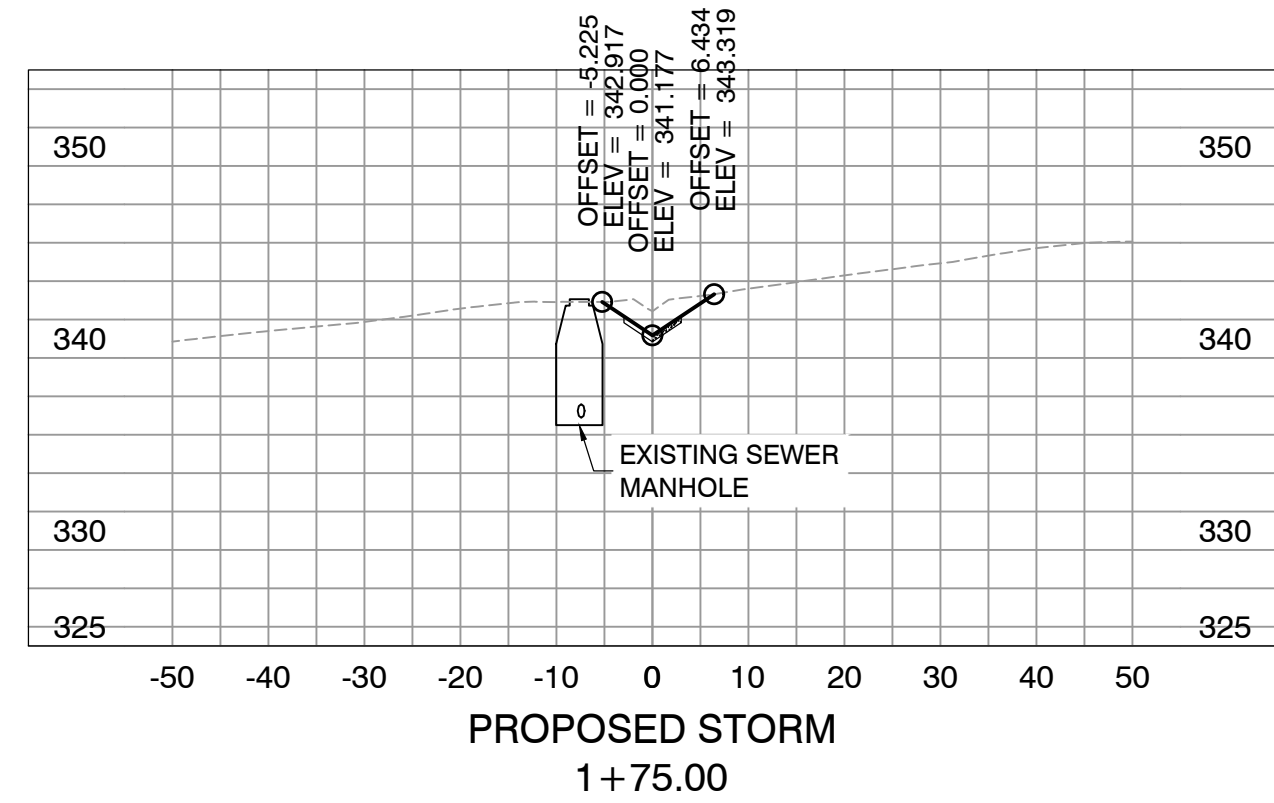
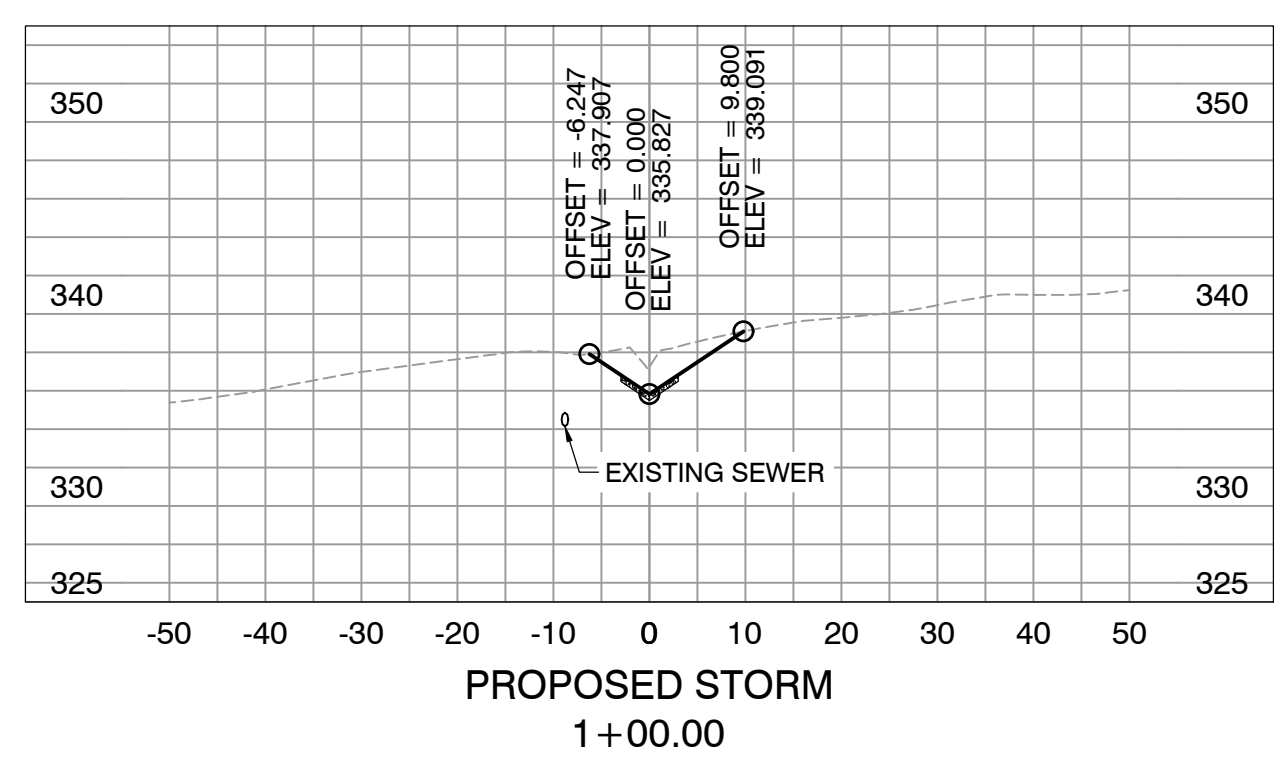
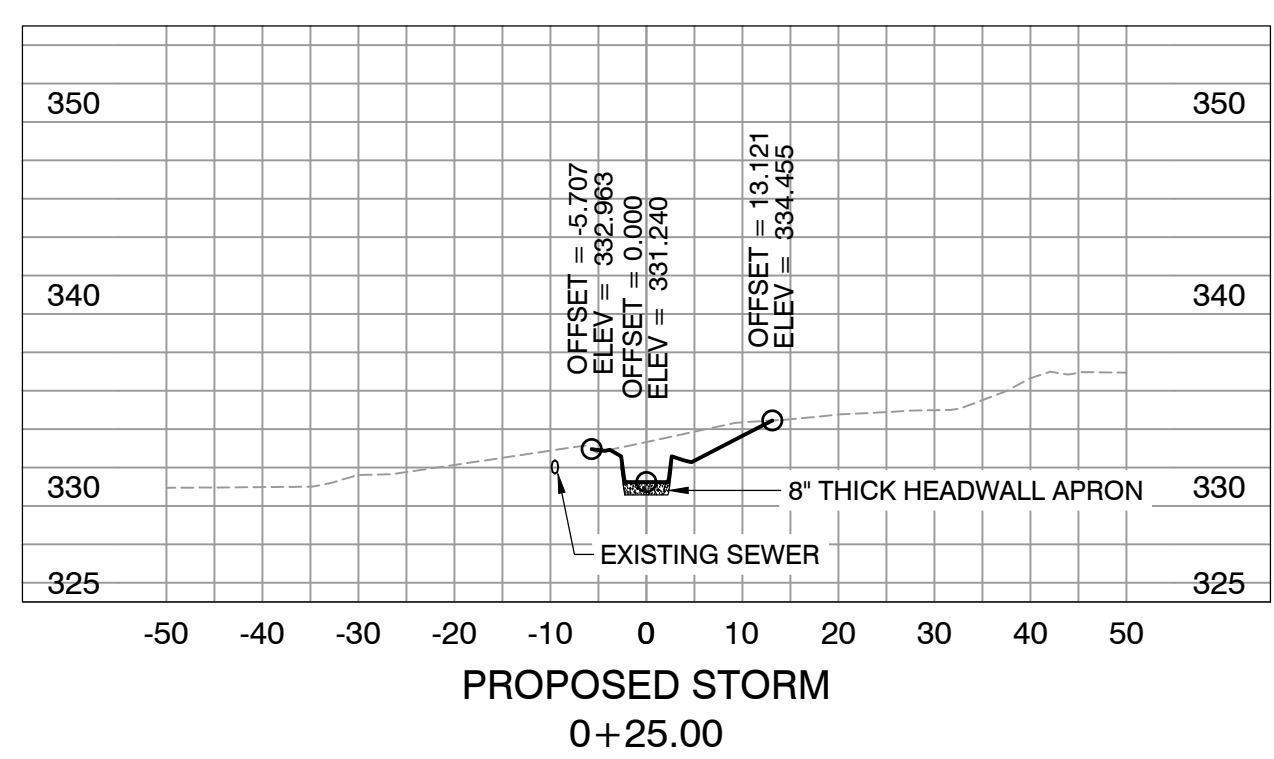
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 PINE SUMMIT COURT 8110
 CROSS SECTIONS

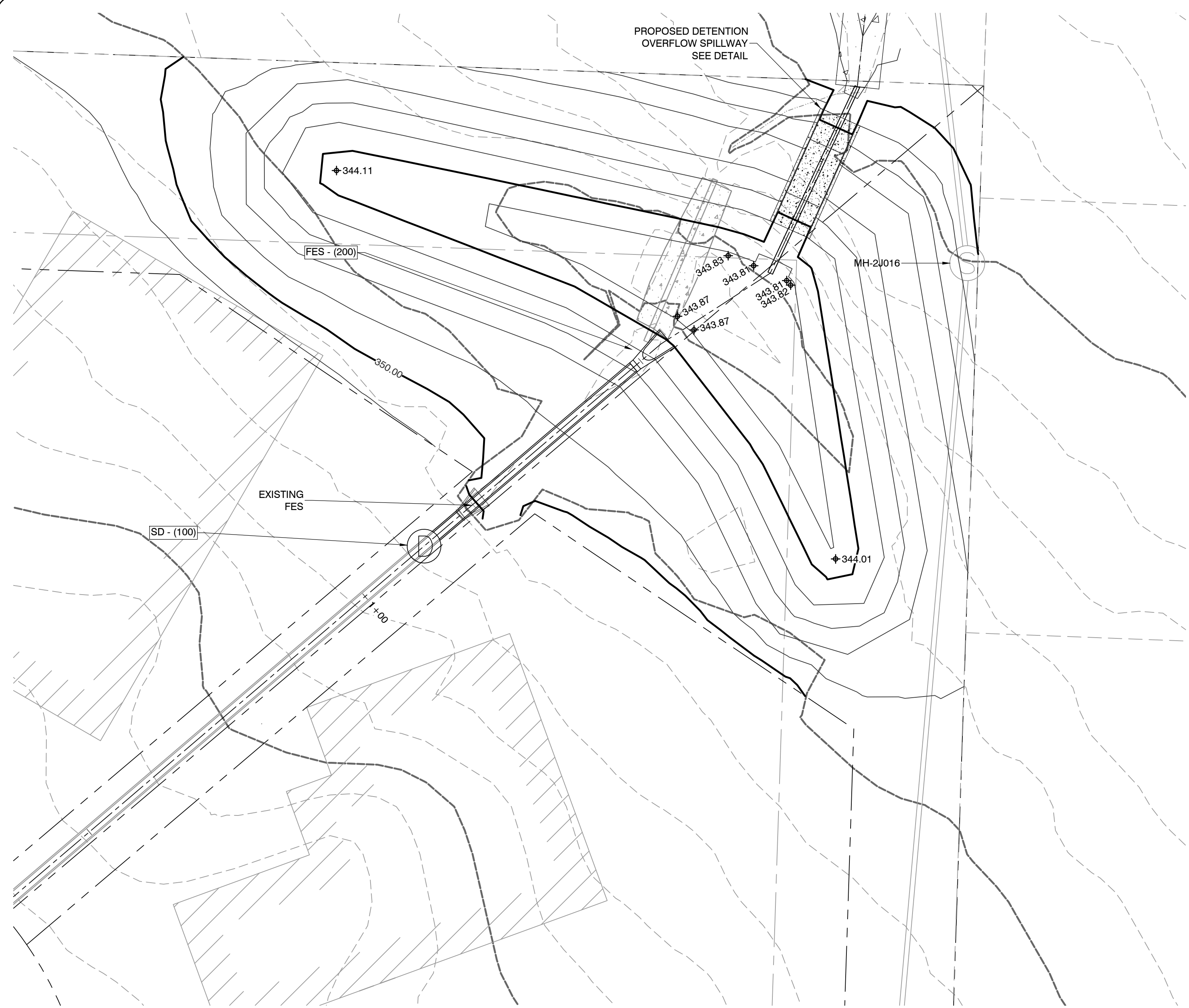
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

**60%
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 SET**

DRAWN BY
 JNS
 DESIGNED
 designed
 CHECKED
 checked
 DATE
 5/20/2024
 SCALE
 1" = 20'H; 10'V
 PROJECT NO.
 06-22-DR-002
 SHEET NO.
C502



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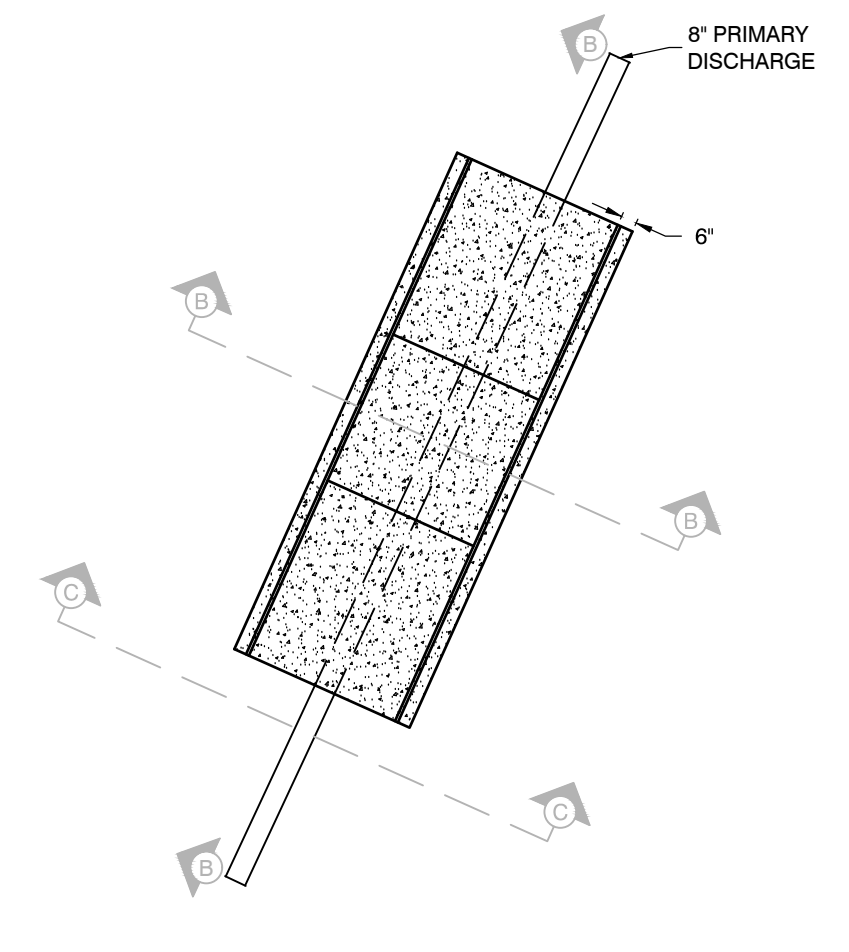
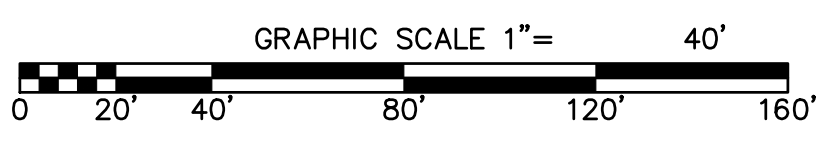
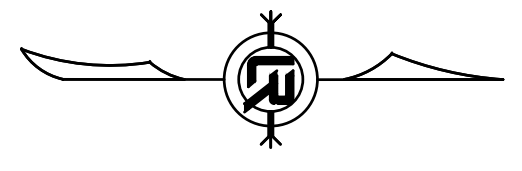
PROPOSED DETENTION
OVERFLOW SPILLWAY
SEE DETAIL

FES - (200)

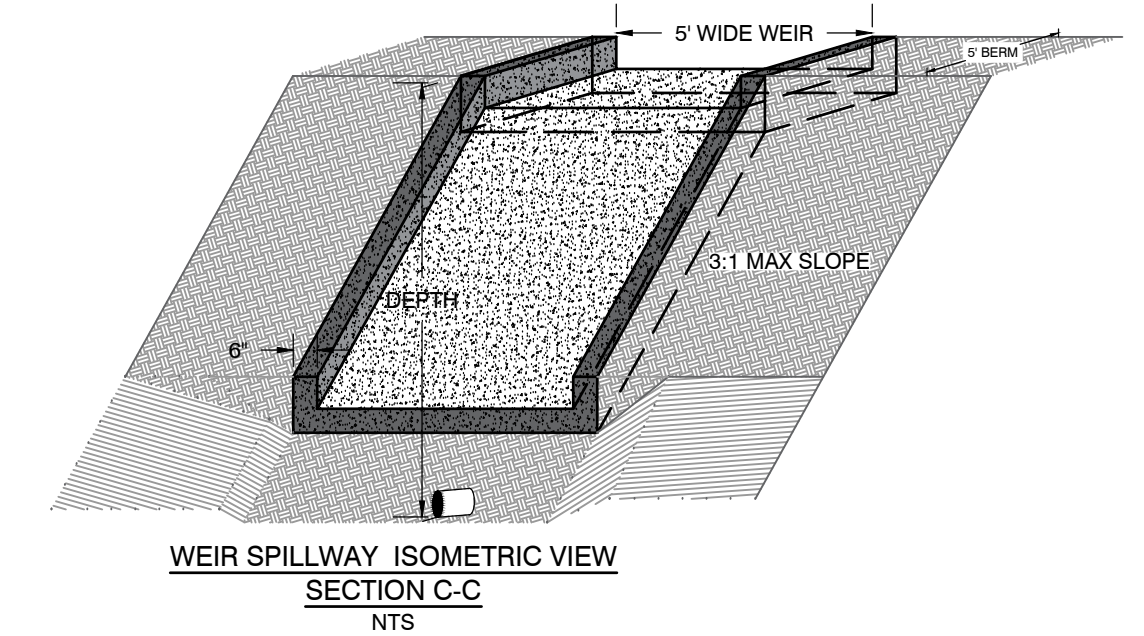
MH-2U016

EXISTING
FES

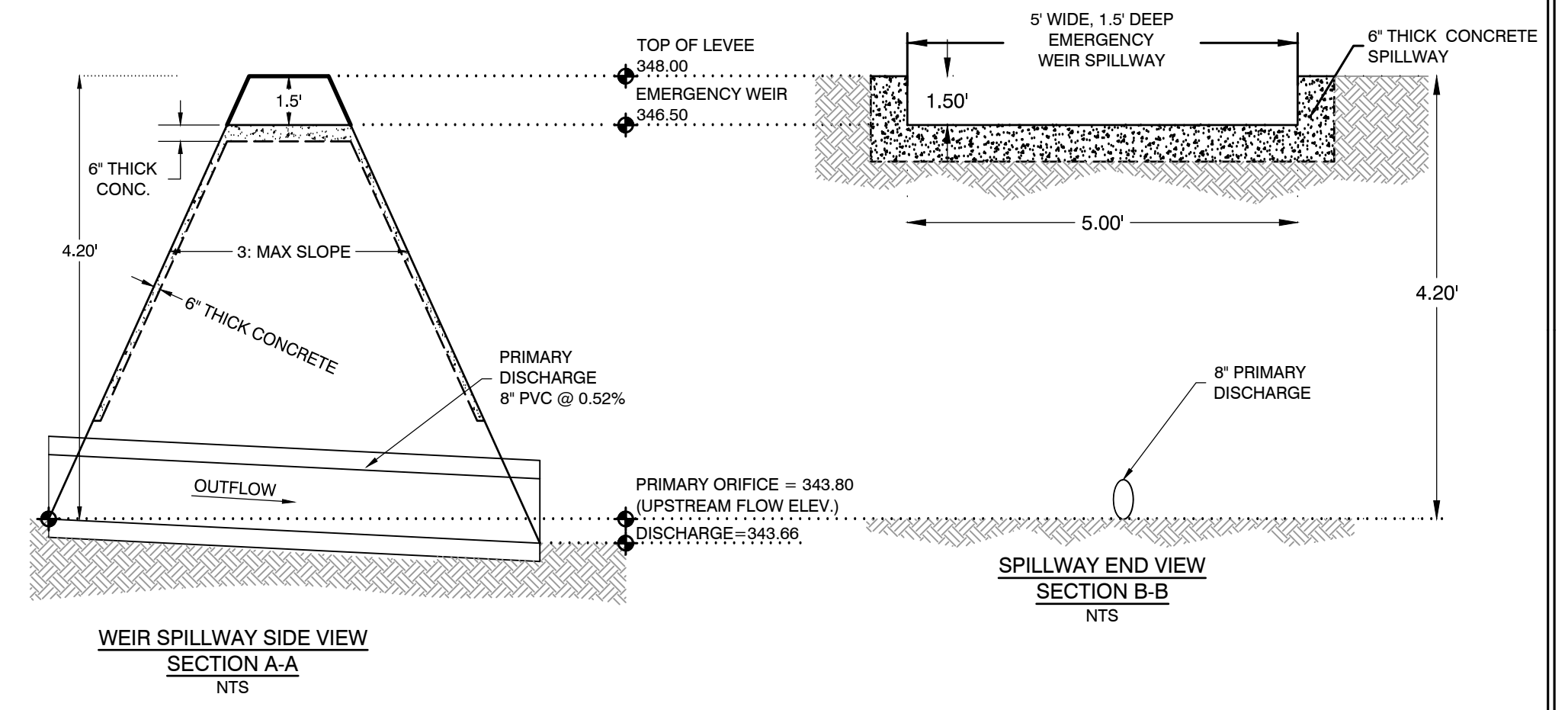
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DETENTION OUTLET - PLAN
NTS



WEIR SPILLWAY ISOMETRIC VIEW
SECTION C-C
NTS



WEIR SPILLWAY SIDE VIEW
SECTION A-A
NTS

SPILLWAY END VIEW
SECTION B-B
NTS

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
DETENTION PLAN

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

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REVIEW
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JNS
DESIGNED
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CHECKED
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DATE
5/6/2024
SCALE
1" = 20'H; 10"V
PROJECT NO.
06-22-DR-002
SHEET NO.
C503

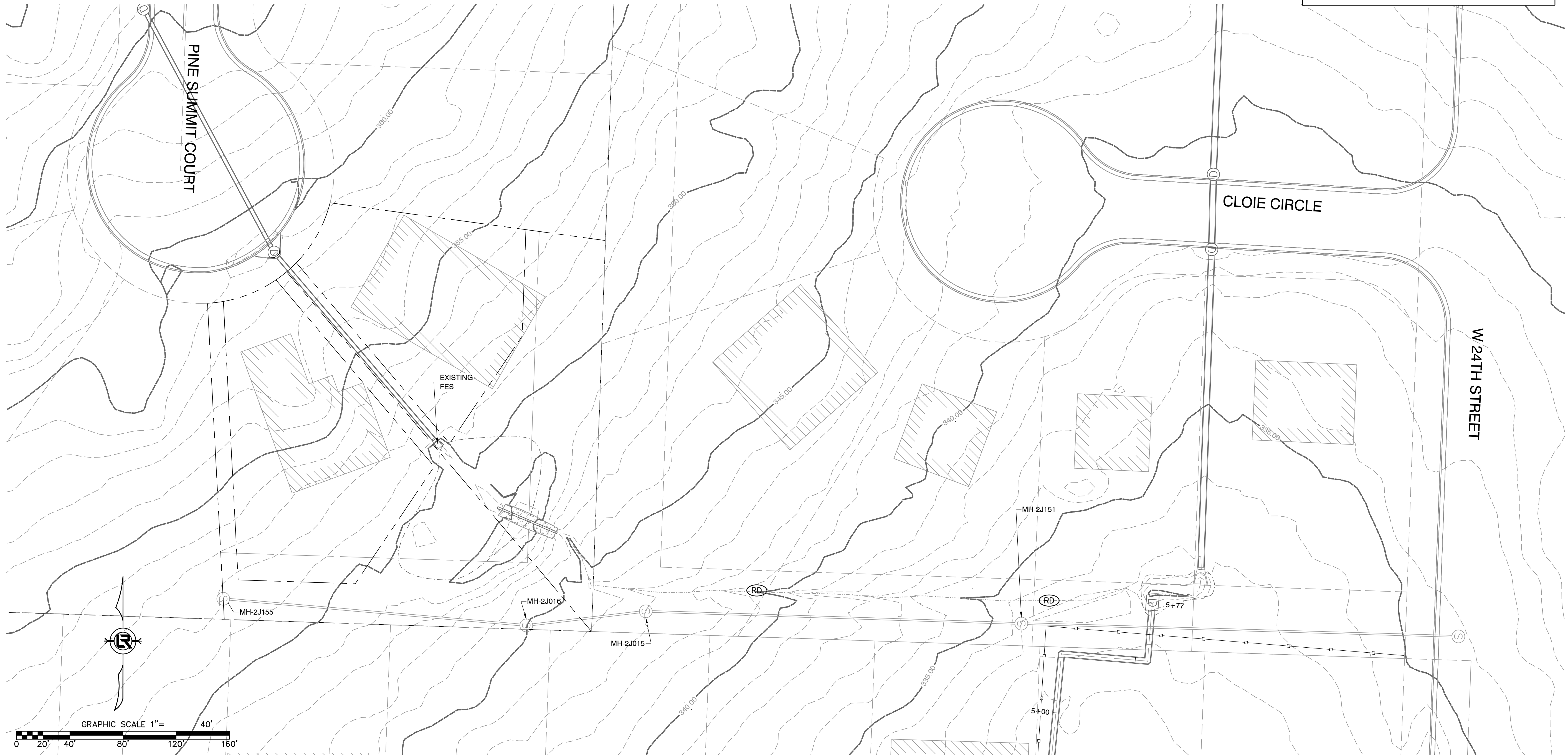
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**PHASE 1
CONSTRUCTION EROSION CONTROL
BEST MANAGEMENT PRACTICES**

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	SBI
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



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
EROSION CONTROL PH 1

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

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06-22-DR-002
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P:\Client\Folders A - D\CITL\City of Little Rock\29422 Engineering\Rev for LR (4 project)\06-22-DR-002 Pine Summit Court Drainage from #8110 Pine Summit to Vancouver Drive Drawings\CITL Pine Summit Court Drainage R6.dwg

**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)

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
EROSION CONTROL PH 2

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CIVIL ENGINEERING
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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)

REVISIONS	DATE

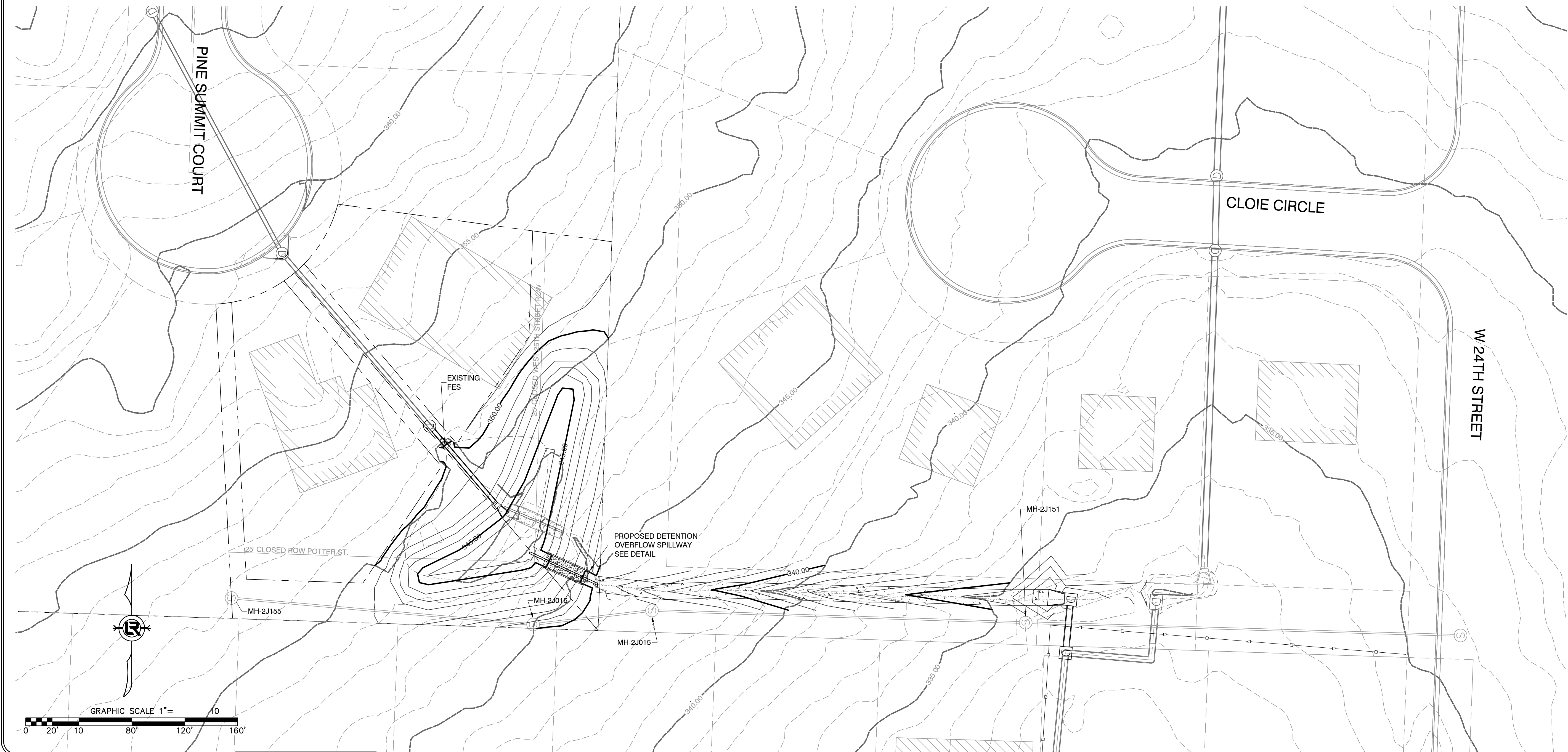
CITY OF LITTLE ROCK, ARKANSAS
PINE SUMMIT COURT 8110
EROSION CONTROL PH 2

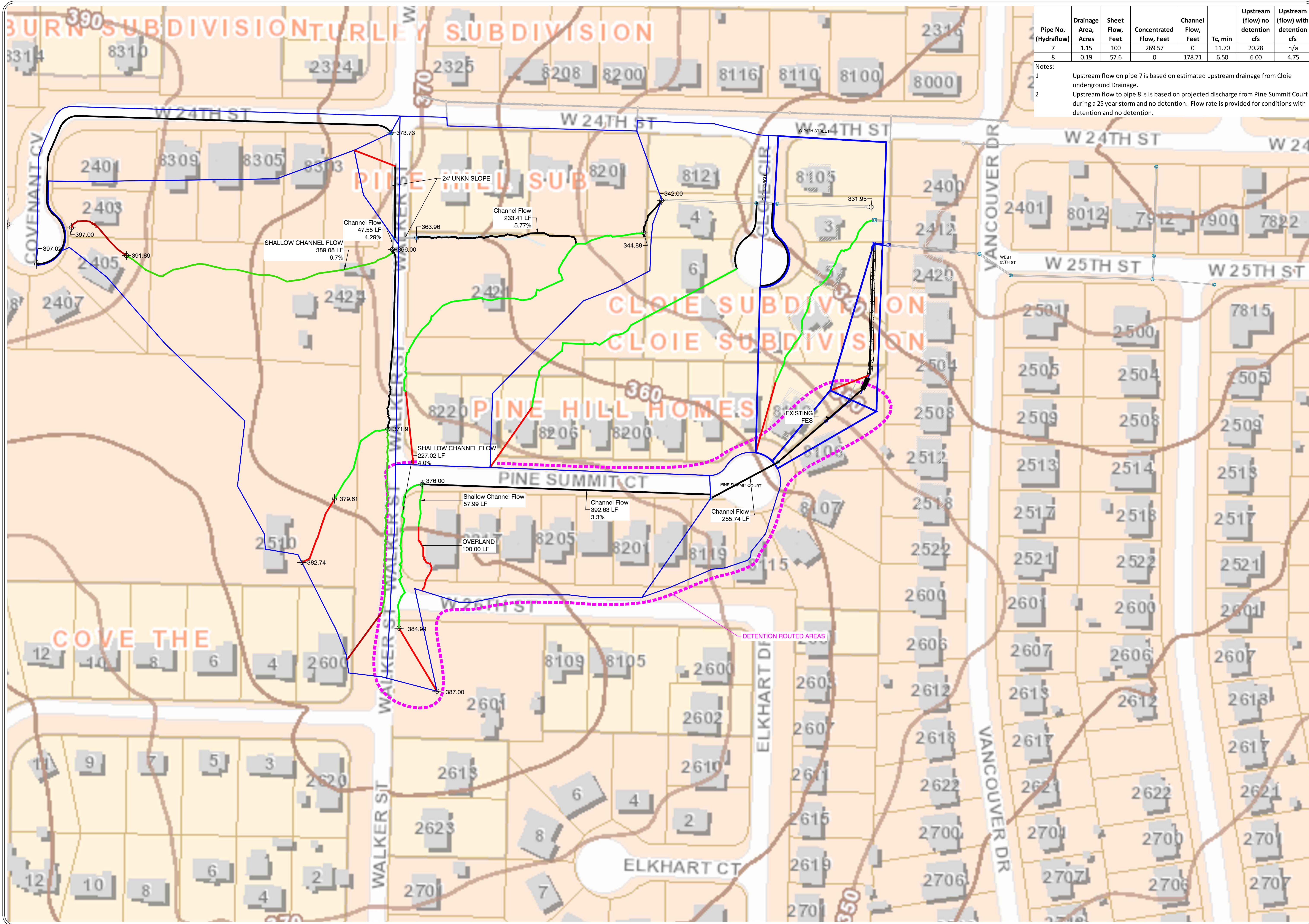
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Pipe No. (Hydraflow)	Drainage Area, Acres	Sheet Flow, Feet	Concentrated Flow, Feet	Channel Flow, Feet	Tc, min	Upstream (flow) no detention cfs	Upstream (flow) with detention cfs
7	1.15	100	269.57	0	11.70	20.28	n/a
8	0.19	57.6	0	178.71	6.50	6.00	4.75

Notes:
 1 Upstream flow on pipe 7 is based on estimated upstream drainage from Cloie underground Drainage.
 2 Upstream flow to pipe 8 is based on projected discharge from Pine Summit Court during a 25 year storm and no detention. Flow rate is provided for conditions with detention and no detention.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 PINE SUMMIT COURT 8110
 WATERSHED MAP

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