PHASE I BMPS:
1. FILE A SHORT TERM ACTIVITY AUTHORIZATION (STAA) FOR ENTRY OF MACHINERY INTO WATER, DEBRIS REMOVAL FROM WATER OR WET LAND; BRIDGE CONSTRUCTION; OTHER WITH ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY.

PHASE II BMPS
1. SEED ALL DENUDED AREAS. SEED ALL DISTURBED AREAS WITHIN 10 DAYS OF COMPLETION OF THE WORK.

PHASE III BMPS
1. INSTALL SOD AND COMPLETE FINAL CLEANUP.

PROJECT CLOSEOUT:
1. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS DEVICES. (ONLY WHEN SITE IS STABILIZED.

PIPE - (158) 111' L.F. OF 30" RCP @ 0.7%
21 SY CONCRETE DRIVEWAY REPAIR
AI-6 6'-6"X6'-6" TYPE SPECIAL
WATER LINE RELOCATION
24 LF NEW CURB
172 LF ASPHALT STREET REPAIR
FND-3/8" REBAR
AI-5 4'X6'-6" TYPE SPECIAL
25 SY CONCRETE DRIVEWAY REPAIR
PIPE - (160) 25' L.F. OF 31" X 51" RCAP @ 1.3%
CONNECT REMAINING PORTION OF EX. 22"X36" RCAP TO PROPOSED CURB INLET
113 LF ASPHALT STREET REPAIR
CI-2 6'X6' ARDOT TYPE C W_8' EXT.
PIPE - (161) 40' L.F. OF 31" X 51" RCAP @ 1.0%
SSMH
RIM=374.83'
INV. IN 4" PVC (NW) = 368.23'
INV. IN 6" PVC (NE) = 368.03'
INV. IN 4" PVC (SE) = 368.03'
INV. OUT 6" PVC (SW) = 367.73'
PIPE - (155) 173' L.F. OF 30" RCP @ 0.7%
ELEC METER
FND-5/8" REBAR
SAT DISH
AI-7 4'X6'-6" TYPE SPECIAL
T.36" TREE
SD1
RIM=373.65'
INV. OUT 18" RCP= 370.45'
T.16" GUMBALL
105 LF ASPHALT STREET REPAIR
RS-CHILDREN AT PLAY
RS-STOP
MATCHLINE STA. 5+75
CARRYWOOD DR (ASPHALT)
30 LF ASPHALT STREET REPAIR
162 LF ASPHALT STREET REPAIR
PIPE - (158) (1) 104' L.F. OF 30" RCP @ 0.7%
37 SY CONCRETE DRIVEWAY REPAIR
FES-1
FL=368.45
JB-3 6'X4' ARDOT TYPE ST
PIPE - (154) 49' L.F. OF 30" RCP @ 0.8%
AI-8 6'-6"X6'-6" TYPE SPECIAL
LARGE STUMP
38 SY RIPRAP
5' PROPOSED EASEMENT
CI-1 6'X6' ARDOT TYPE C W_2-4' EXT.
15' EXISTING EASEMENT
PIPE - (159) 134' L.F. OF 30" RCP @ 0.7%
AI-4 6'-6"X6'-6" TYPE SPECIAL
SSMH
RIM=378.62'
INV. IN 6" PVC (N) = 372.12'
INV. IN 6" PVC (E) = 372.02'
INV. IN 4" PVC (S) PVC (S) = 372.12'
INV. OUT 6" PVC (W) = 371.92'
EXIST WOOD FENCE
EXIST CHAINLINK FENCE
EXIST PICKET FENCE
FLOWER BED
EXIST ELECTRICAL JUNCTION BOX
20' 10' 0 20'

DRAINAGE PROFILE

CI-1 6'X6' ARDOT TYPE C W_2-4' EXT.
STA. 0+23
RIM ELEV. - 373.54
PIPE - (161)-FL 368.55

CI-2 6'X6' ARDOT TYPE C W_8' EXT.
STA. 0+63
RIM ELEV. - 373.56
EX. 22" X 36" RCAP-FL 370.07
PIPE - (160)-FL 369.04
PIPE - (161)-FL 368.94

JB-3 6'X4' ARDOT TYPE ST
STA. 0+88
RIM ELEV. - 373.35
EX. 24" RCP-FL 370.41
PIPE - (159)-FL 369.46
PIPE - (160)-FL 369.36

AI-4 6'-6"X6'-6" TYPE SPECIAL
STA. 2+21
RIM ELEV. - 375.00
PIPE - (158) (1)-FL 370.54
PIPE - (159)-FL 370.44

AI-5 4'X6'-6" TYPE SPECIAL
STA. 3+26
RIM ELEV. - 375.00
PIPE - (158)-FL 371.37
PIPE - (158) (1)-FL 371.27

AI-6 6'-6"X6'-6" TYPE SPECIAL
STA. 4+36
RIM ELEV. - 376.18
PIPE - (155)-FL 372.25
PIPE - (158)-FL 372.15

FES-1
FL=368.45
PIPE - (161) 40' L.F. OF 31" X 51" RCAP @ 1.0%
EXISTING 8" SEWER LINE
PIPE - (160) 25' L.F. OF 31" X 51" RCAP @ 1.3%
PIPE - (159) 134' L.F. OF 30" RCP @ 0.7%
EXISTING 8" SEWER LINE
PIPE - (158) (1) 104' L.F. OF 30" RCP @ 0.7%
PIPE - (158) 111' L.F. OF 30" RCP @ 0.7%
PIPE - (155) 173' L.F. OF 30" RCP @ 0.7%
EXISTING 8" SEWER LINE
EXISTING 6" SEWER LINE

SCALE: H 1" = 20'
V 1" = 3'

BY	REVISION	DATE

GNE Designing our client's success
GarNat Engineering, LLC
P.O. Box 116
Benton, AR 72018
3825 Mt Carmel Rd
Bryant, AR 72022
Ph (501) 408-4650
garnatengineering@gmail.com

RAINTREE ACRES DRAINAGE
PROJECT - 1
CITY OF BRYANT
SALINE COUNTY, ARKANSAS

STATE OF ARKANSAS
Vernon J. Williams
REGISTERED PROFESSIONAL ENGINEER
NO. 9551
VERNON J. WILLIAMS

08-05-2022

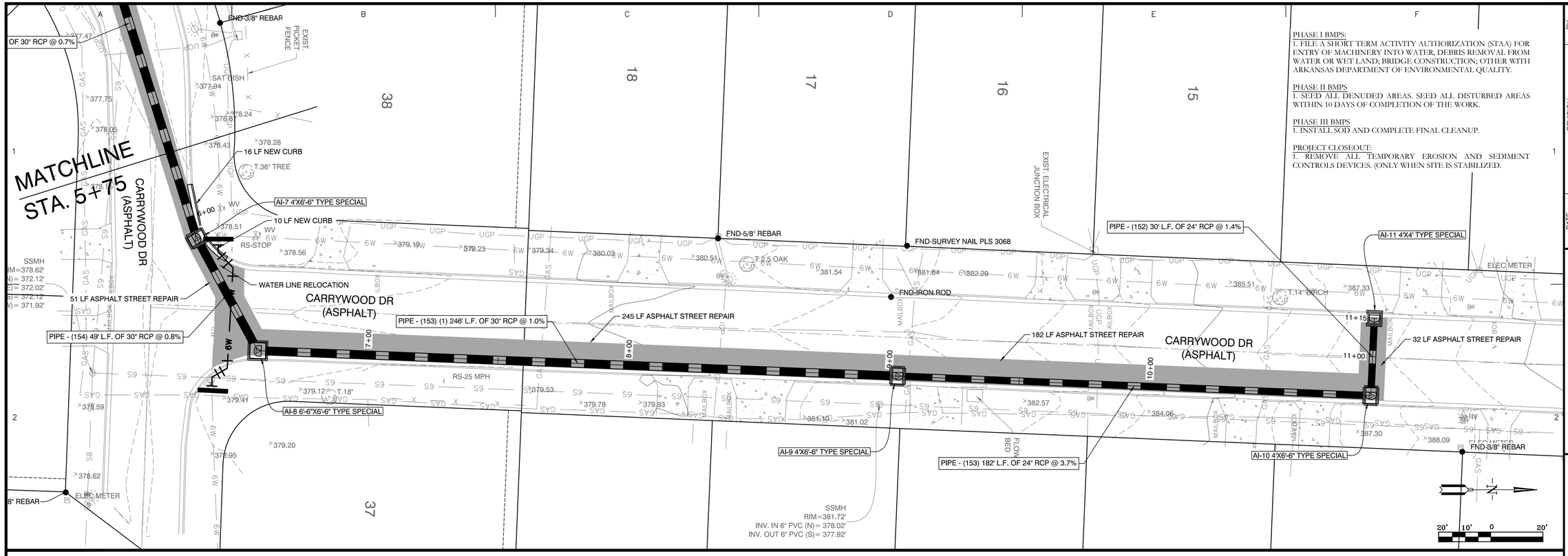
CONTENTS:
DRAINAGE PLAN & PROFILE STA. 0+00 - 5+75

PROJECT NO: 22010

DATE: AUGUST 2022

SHEET NO: C1.0

a:\Projects\2022 Projects\22010 Raintree Acres Drainage Project 1\Drawings\Utility\Sheets\22010 Raintree Acres Drainage Project 1 - Sheet



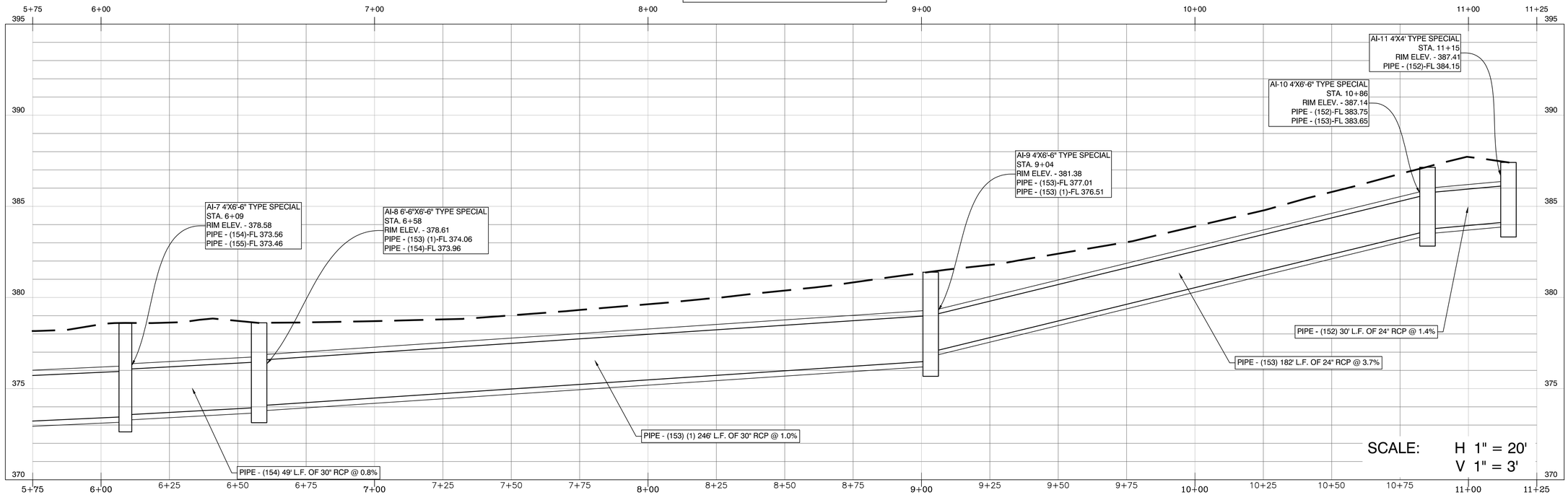
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DRAINAGE PROFILE



BY	REVISION	DATE

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SALINE COUNTY, ARKANSAS

STATE OF ARKANSAS
Vernon J. Williams
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VERNON J. WILLIAMS

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CONTENTS:
DRAINAGE PLAN & PROFILE STA. 5+75 - 11+ 16

PROJECT NO:
22010

DATE:
AUGUST 2022

SHEET NO:
C1.1

a:\Projects\2022 Projects\22010 Raintree Acres Drainage Project 1\Drawings\DWG\Design\22010 Raintree Acres Drainage Project 1 - Plan.dwg

NOTES:

1. ALL WATER WORK SHALL COMPLY WITH THE REQUIREMENTS OF CITY OF BRYANT STANDARD SPECIFICATIONS FOR DESIGN OF WATER. CITY OF BRYANT STANDARD SPECIFICATIONS ARE AVAILABLE FOR DOWNLOAD FROM WWW.CITYOFBRYANT.COM
2. CONNECT EXISTING METERS TO NEW MAIN AFTER NEW MAIN IS PUT INTO SERVICE.
3. CUT IN FITTINGS TO ABANDON EXISTING MAIN AFTER SERVICES ARE RELOCATED TO NEW MAIN.
4. FITTINGS BEYOND ANCHOR COLLAR ARE RESTRAINED JOINT.

CARRYWOOD DR (ASPHALT)

AMBER COVE (ASPHALT)

UTILITY EASEMENT

6" SDR-21 PVC WATER LINE

ANCHOR COLLAR

2-6" MJ 45° BEND

FND-5/8" REBAR

FND-3/8" REBAR

ELEC METER

RS-25 MPH

RS-CHILREN AT PLAY

RS-STOP

EXIST. ELECTRICAL JUNCTION BOX

EXIST. WOOD FENCE

EXIST. PICKET FENCE

SSMH
RIM=374.83'
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T.36" HICKORY

T.16" GUMBALL

T.36" TREE

T.18"

T.14"

T.15"

T.12"

T.6"

1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00

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RAINTREE ACRES DRAINAGE PROJECT - 1
CITY OF BRYANT
SALINE COUNTY, ARKANSAS

STATE OF ARKANSAS
Vernon J. Williams
REGISTERED PROFESSIONAL ENGINEER
NO. 9551
VERNON J. WILLIAMS

08-05-2022

CONTENTS:
WATER LINE RELOCATION PLAN

PROJECT NO: 22010

DATE: AUGUST 2022

SHEET NO: C1.2

20' 10' 0 20'

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