

MSR10 8 8 4 0

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: OWNER PRIME CONTRACTOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Shariq Shamsuddin
 OWNER COMPANY LEGAL NAME: RAN Management
 OWNER STREET OR P.O. BOX: 319 Poplar View LN. W. #1
 OWNER CITY: Collerville STATE: TN ZIP: 38017
 OWNER PHONE #: (901) 590-2877 OWNER EMAIL: davn.ranmanagement@gmail.com

PREPARER CONTACT INFORMATION

IF NOI WAS PREPARED BY SOMEONE OTHER THAN THE APPLICANT

CONTACT PERSON: Byron Houston
 COMPANY LEGAL NAME: Houston Engineering, PLLC.
 STREET OR P.O. BOX: P.O. Box 3087
 CITY: Oxford STATE: Mississippi ZIP: 38655
 PHONE # () 662-647-1312 EMAIL: Byron@HoustonEngr.com

PRIME CONTRACTOR CONTACT INFORMATION

PRIME CONTRACTOR CONTACT PERSON: TBD
 PRIME CONTRACTOR COMPANY LEGAL NAME: _____
 PRIME CONTRACTOR STREET OR P.O. BOX: _____
 PRIME CONTRACTOR CITY: _____ STATE: _____ ZIP: _____
 PRIME CONTRACTOR PHONE #: () _____ PRIME CONTRACTOR EMAIL: _____

FACILITY SITE INFORMATION

FACILITY SITE NAME: HWY 178 FUEL CENTER
 FACILITY SITE ADDRESS (If the physical address is not available, please indicate the nearest named road. For linear projects indicate the beginning of the project and identify all counties the project traverses.)
 STREET: 7740 HWY 178
 CITY: Olive Branch STATE: Mississippi COUNTY: Desoto ZIP: 38654
 FACILITY SITE TRIBAL LAND ID (N/A If not applicable): N/A
 LATITUDE: ____ degrees ____ minutes ____ seconds LONGITUDE: ____ degrees ____ minutes ____ seconds
 LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): GPS
 TOTAL ACREAGE THAT WILL BE DISTURBED ¹: 7.25

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT? YES NO

IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: _____
AND PERMIT COVERAGE NUMBER: MSR10 _____

ESTIMATED CONSTRUCTION PROJECT START DATE: 2023 - 3 - 1
 YYYY-MM-DD

ESTIMATED CONSTRUCTION PROJECT END DATE: 2024 - 12 - 31
 YYYY-MM-DD

DESCRIPTION OF CONSTRUCTION ACTIVITY: Construction of Roads, Buildings, Parking and Utilities.

PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:
Truck Stop / C-Store

SIC Code: 5 4 1 1 **NAICS Code** 4 4 5 1 2 0

NEAREST NAMED RECEIVING STREAM: John's Creek

IS RECEIVING STREAM ON MISSISSIPPI'S 303(d) LIST OF IMPAIRED WATER BODIES? (The 303(d) list of impaired waters and TMDL stream segments may be found on MDEQ's web site: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section) YES NO

HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT? YES NO

FOR WHICH POLLUTANT:

ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN 1/2 MILE DOWNSTREAM OF PROJECT BOUNDARY THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY? YES NO

EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP):
 ML - CL

WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER? YES NO

IF YES, INDICATE THE TYPE OF FLOCCULANT. ANIONIC POLYACRYLIMIDE (PAM)
 OTHER _____

IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCATION OF INTRODUCTION AND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE?

IS A SDS SHEET INCLUDED FOR THE FLOCCULATE? YES NO

WILL THERE BE A 50 FT BUFFER BETWEEN THE PROJECT DISTURBANCE AND THE WATERS OF THE STATE? YES NO

IF NOT, PROVIDE EQUIVALENT CONTROL MEASURES IN THE SWPPP.

¹Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft² per lot (entire lot, if smaller) shall be included in calculating acreage disturbed.

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS
 COVERAGE UNDER THIS PERMIT WILL NOT BE GRANTED UNTIL ALL OTHER REQUIRED
 MDEQ PERMITS AND APPROVALS ARE SATISFACTORILY ADDRESSED

IS LCNOI FOR A FACILITY THAT WILL REQUIRE OTHER PERMITS?

YES NO

IF YES, CHECK ALL THAT APPLY: AIR HAZARDOUS WASTE PRETREATMENT
 WATER STATE OPERATING INDIVIDUAL NPDES OTHER: _____

IS THE PROJECT REROUTING, FILLING OR CROSSING A WATER CONVEYANCE OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements.) YES NO

IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION 404 PERMIT, PROVIDE APPROPRIATE DOCUMENTATION THAT:

- The project has been approved by individual permit, or
- The work will be covered by a nationwide permit and NO NOTIFICATION to the Corps is required, or
- The work will be covered by a nationwide or general permit and NOTIFICATION to the Corps is required

IS THE PROJECT REROUTING, FILLING OR CROSSING A STATE WATER CONVEYANCE OF ANY KIND? (If yes, please provide an antidegradation report.) YES NO

IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED? (If yes, provide appropriate approval documentation from MDEQ Office of Land and Water, Dam Safety.) YES NO

IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HOW WILL SANITARY SEWAGE BE DISPOSED? Check one of the following and attach the pertinent documents.

- Existing Municipal or Commercial System. Please attach plans and specifications for the collection system and the associated "Information Regarding Proposed Wastewater Projects" form or approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the plans and specifications can not be provided at the time of LCNOI submittal, MDEQ will accept written acknowledgement from official(s) responsible for wastewater collection and treatment that the flows generated from the proposed project can and will be transported and treated properly. The letter must include the estimated flow.
- Collection and Treatment System will be Constructed. Please attach a copy of the cover of the NPDES discharge permit from MDEQ or indicate the date the application was submitted to MDEQ (Date: _____).
- Individual Onsite Wastewater Disposal Systems for Subdivisions Less than 35 Lots. Please attach a copy of the Letter of General Acceptance from the Mississippi State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.
- Individual Onsite Wastewater Disposal Systems for Subdivisions Greater than 35 Lots. A determination of the feasibility of installing a central sewage collection and treatment system must be made by MDEQ. A copy of the response from MDEQ concerning the feasibility study must be attached. If a central collection and wastewater system is not feasible, then please attach a copy of the Letter of General Acceptance from the State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.

INDICATE ANY LOCAL STORM WATER ORDINANCE (I.E. MS4) WITH WHICH THE PROJECT MUST COMPLY:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Rajah

Signature of Applicant (owner or prime contractor)

10/20/22

Date Signed

Arranullah Dewji

Printed Name¹

C-member.

Title

¹This application shall be signed as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.

For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official

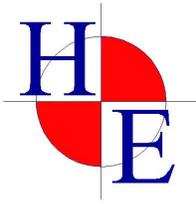
Please submit the LCNOI form to:

Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

Electronically:

<https://www.mdeq.ms.gov/construction-stormwater/>

Revised 3/23/22



HOUSTON ENGINEERING

Engineering, Surveying, and Environmental Services

1207 Office Park Dr., Suite B

Oxford, Mississippi 38655

Office: (662) 205-6653

Cell: (662) 647-1312

E-mail: byron@houstonengr.com

October 27, 2022

Mississippi Department of Environmental Quality
515 East Amite St.
Jackson, MS 39201

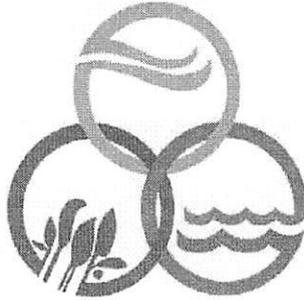
**RE: HWY 178 FUEL CENTER
7740 HWY 178
Olive Branch, MS 38654**

Dear Sir or Madam:

Please review the enclosed referenced project for approval of the LCNOI. Attached you will find the signed LCNOI, Site Quad Map, Civil Site Plans as well as a SWPPP Narrative. Please advise if anything further is needed in order to gain approval.

Sincerely,
HOUSTON ENGINEERING

J. Byron Houston, P.E., P.S.
Sr. Project Manager



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI) FOR COVERAGE UNDER THE LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT

INSTRUCTIONS

The Large Construction Notice of Intent (LCNOI) is for coverage under the Large Construction General Permit for land disturbing activities of five (5) acres or greater; or for land disturbing activities, which are part of a larger common plan of development or sale that are initially less than five (5) acres but will ultimately disturb five (5) or more acres. Applicant must be the owner or operator. For construction activities, the operator is typically the prime contractor. The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and severable responsibility for compliance with the Large Construction Storm Water General Permit MSR10.

If the company seeking coverage is a corporation, a limited liability company, a partnership, or a business trust, attach proof of its registration with the Mississippi Secretary of State and/or its Certificate of Good Standing. This registration or Certificate of Good Standing must be dated within twelve (12) months of the date of the submittal of this coverage form. Coverage will be issued in the company name as it is registered with the Mississippi Secretary of State.

Completed LCNOIs should be filed at least thirty (30) days prior to the commencement of construction. Discharge of storm water from large construction activities without written notification of coverage is a violation of state law.

Submittals with this LCNOI must include:

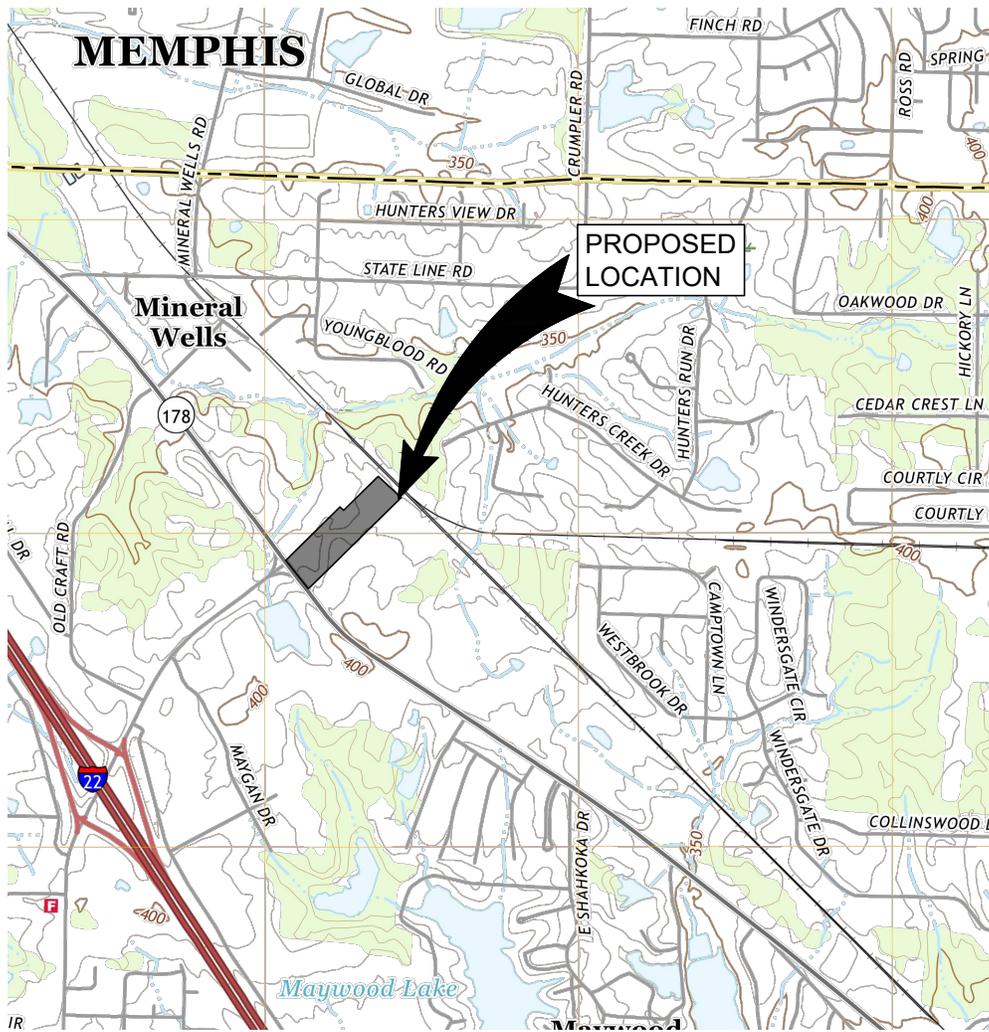
- A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit
- A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit
- A United States Geological Survey (USGS) quadrangle map or photocopy, extending at least one-half mile beyond the facility property boundaries with the site location and outfalls outlined or highlighted. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523.

Additional submittals may include the following, if applicable:

- Appropriate Section 404 documentation from U.S. Army Corps of Engineers
- Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction
- Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements
- Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties
- Antidegradation report for disturbance within Waters of the State

ALL QUESTIONS MUST BE ANSWERED (Answer "NA" if the question is not applicable)

QUAD MAP



DESOTO COUNTY, MISSISSIPPI

SCALE: 1" = 2000'



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
 World Geodetic System of 1984 (WGS84). Projection and
 1 000-meter grid: Universal Transverse Mercator, Zone 16S

This map is not a legal document. Boundaries may be
 generalized for this map scale. Private lands within government
 reservations may not be shown. Obtain permission before
 entering private lands.

Imagery.....NAIP, June 2016 - October 2016
 Roads..... U.S. Census Bureau, 2016 - 2017
 Names.....GNIS, 1980 - 2020
 Hydrography.....National Hydrography Dataset, 2004 - 2018
 Contours.....National Elevation Dataset, 2012 - 2019
 Boundaries.....Multiple sources; see metadata file 2018 - 2019
 Public Land Survey System.....BLM, 2017
 Wetlands.....FWS National Wetlands Inventory 1980

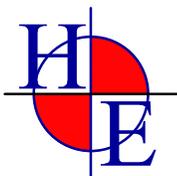
LEGEND

ROAD CLASSIFICATION

- | | | | |
|---------------|------------------|-----------------|-------------|
| Expressway | | Local Connector | |
| Secondary Hwy | | Local Road | |
| Ramp | | 4WD | |
| | Interstate Route | | US Route |
| | | | State Route |

DATE: 10/18/22

DWG: 222-157.015



HOUSTON ENGINEERING

Engineering, Surveying, and Environmental Services

P.O. Box 3087
 Oxford, Mississippi 38655
 Phone: (662) 647-1312
 E-mail: byron@houstonengr.com

HENLEY SUBDIVISION

9.89 ACRES IN THE NE $\frac{1}{4}$ OF SECTION 20,
 TOWNSHIP 1 SOUTH, RANGE 6 WEST,
 DESOTO COUNTY, MS

DESOTO COUNTY



PLANS FOR THE CONSTRUCTION OF HWY 178 FUEL CENTER 7740 HIGHWAY 178, OLIVE BRANCH, MS, 38654

**PROJECT
LOCATION**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
COPYRIGHT LICENSE AGREEMENT

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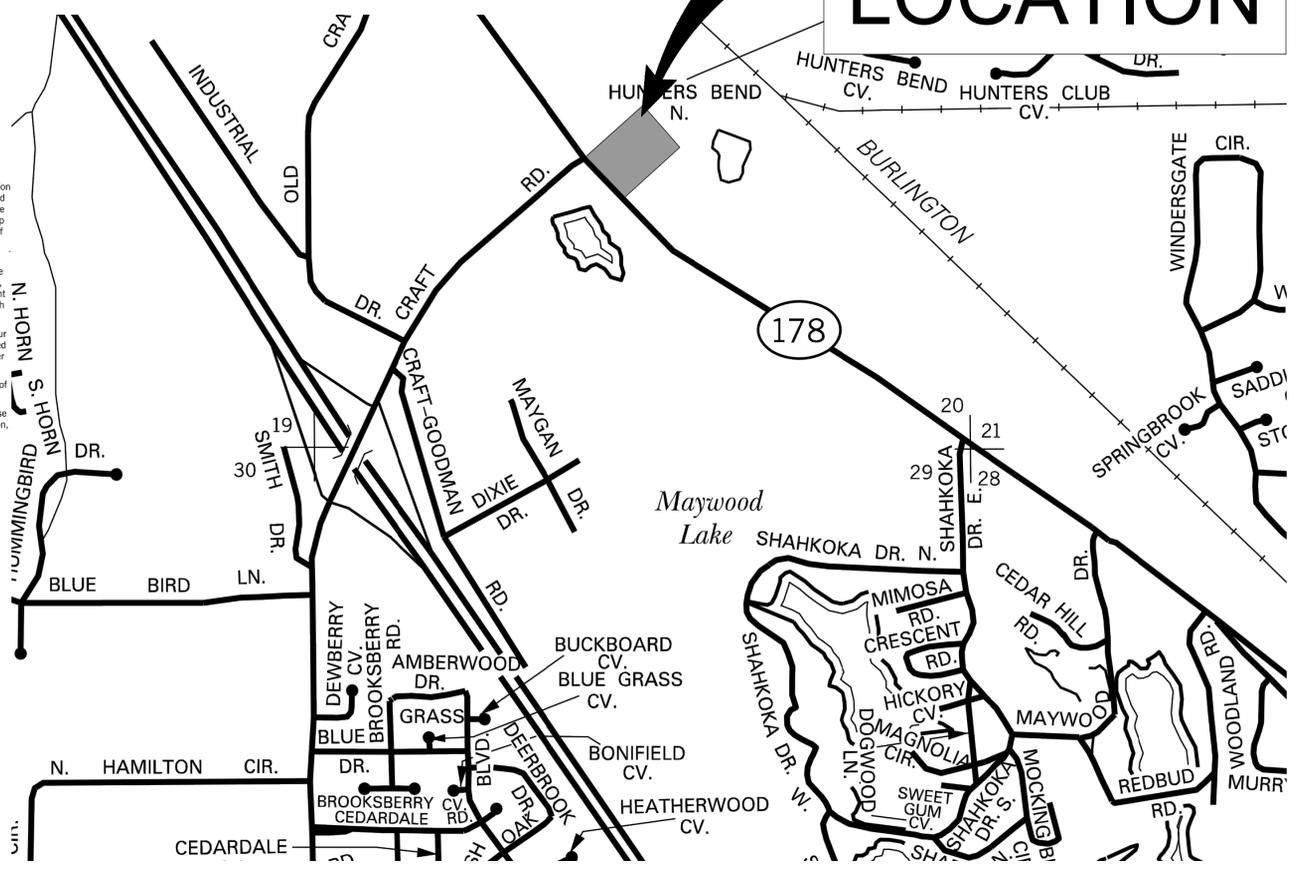
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This agreement is governed by the laws of the State of Mississippi, U.S. Federal Law, and U.S. International Treaties.

Should you have any questions concerning this agreement, please write: Mississippi Department of Transportation, Planning Division, Post Office Box 1850, Jackson, Mississippi 39215-1850



DESOTO COUNTY MISSISSIPPI
SCALE: 1" = 2000'

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THE CONTRACTOR SHALL CONTACT MISSISSIPPI ONE CALL AT 811 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATION OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES AND OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.



ENGINEER:

HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services

1207 Office Park Drive
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonenr.com

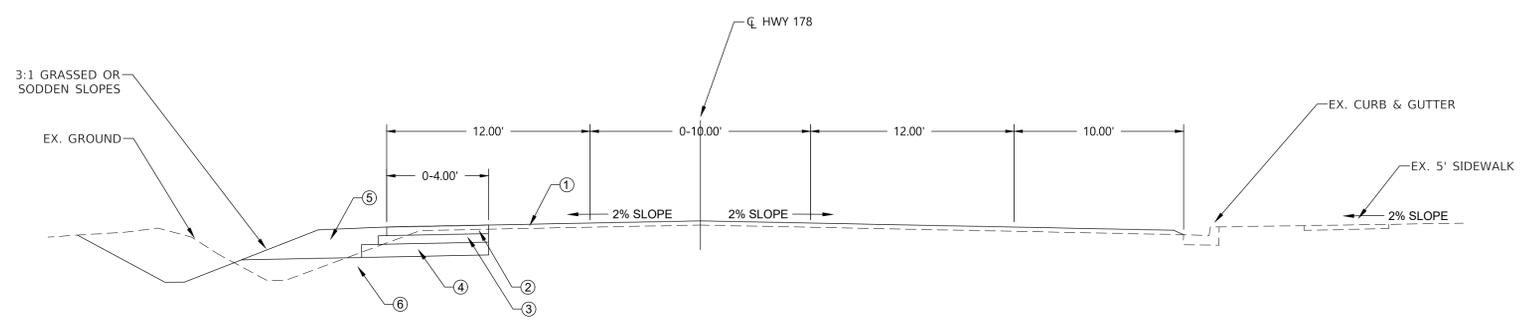
DEVELOPER:

RAN MANAGMENT COMPANY, LLC
319 POPLAR VIEW LN. W. #1
COLLERVILLE, TN 38017

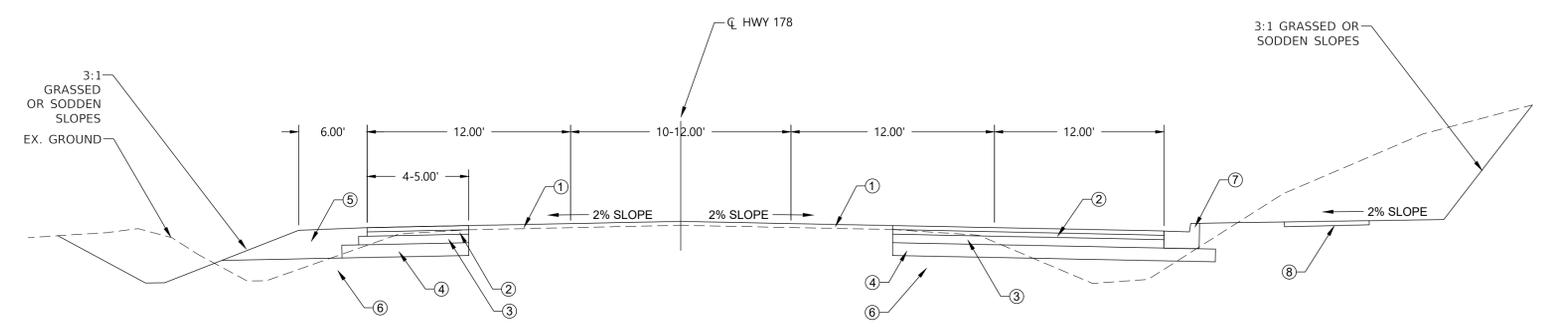
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HE JOB NO. 222-157.015
REV A - ISSUE FOR REVIEW

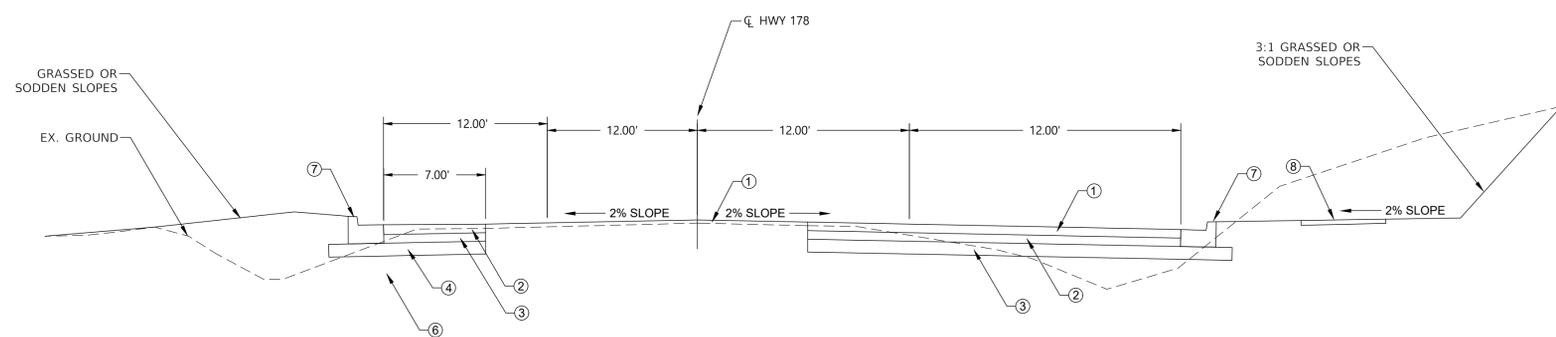
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1 TYPICAL SECTION STA. 364+84 - 366+86
 G4.0 SCALE: NTS



2 TYPICAL SECTION STA. 366+86 - 369+22
 G4.0 SCALE: NTS



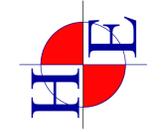
3 TYPICAL SECTION STA. 369+22 - 372+34
 G4.0 SCALE: NTS

- TYPICAL SECTION STRUCTURE**
- ① 1.5" HOT MIX ASPHALT OVERLAY (9.5mm OR 12.5mm)(ST)
 - ② 1.5" HOT MIX ASPHALT (12.5mm)(ST)
 - ③ 3" HOT MIX ASPHALT (19mm)(ST)
 - ④ 8" CRS 610 PLACED ON TYPE V NONWOVEN GEOTEXTILE FABRIC (AOS<0.43) COMPACTED TO 98% STD PROCTOR ON SUBGRADE COMPACTED TO 95% STD PROCTOR
 - ⑤ 14" GRANULAR MATERIAL (CLASS 5, GROUP D)
 - ⑥ SUBGRADE COMPACTED TO 95% STD. PROCTOR @ +/- 2% MOISTURE
 - ⑦ TYPE I CURB AND GUTTER (SEE DETAIL 4.0/3)
 - ⑧ 5' CONCRETE SIDEWALK REQ'D. (SEE DETAIL SHEET D2.0)

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RAN MANAGEMENT COMPANY, LLC
 HWY 178 FUEL CENTER
 7740 HWY178, OLIVE BRANCH, MS 38654
 HIGHWAY TYPICAL SECTIONS

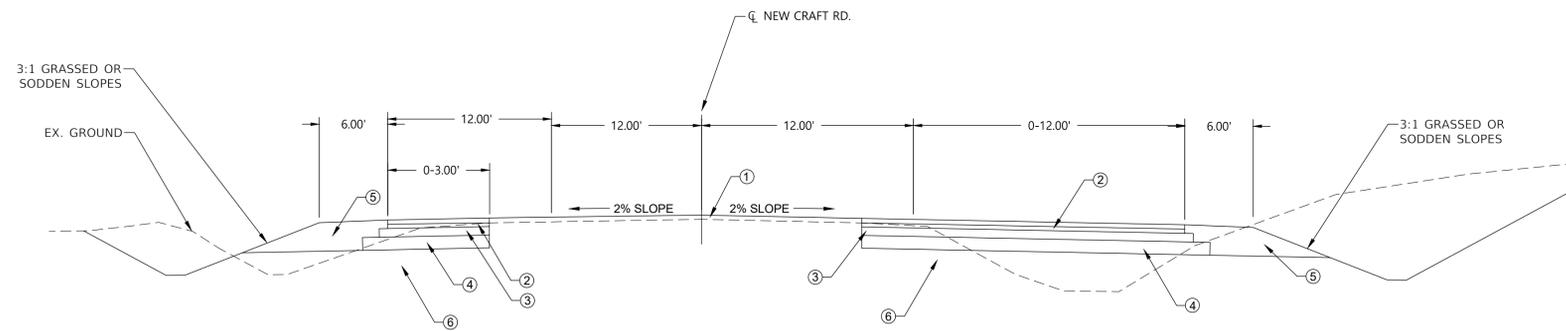
SCALE:	AS SHOWN
JOB NO.:	222-157.015
DATE:	JUNE 2022
DSGN.:	B. HOUSTON
DWG. BY:	A.R. MCCACHREN
CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

G4.0
 SHEET 5 OF 30

DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD
8/9/22	ISSUE FOR REVIEW	JBH	JBH								

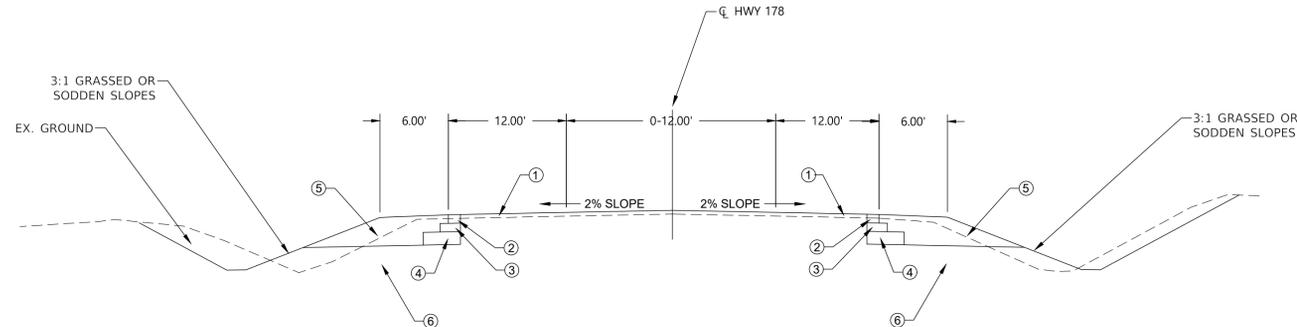
Rev. No. A

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1 TYPICAL SECTION STA. 372+34 - 373+84
G4.1 SCALE: NTS

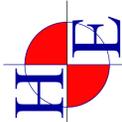
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2 TYPICAL SECTION STA. 373+84 - 376+53
G4.1 SCALE: NTS

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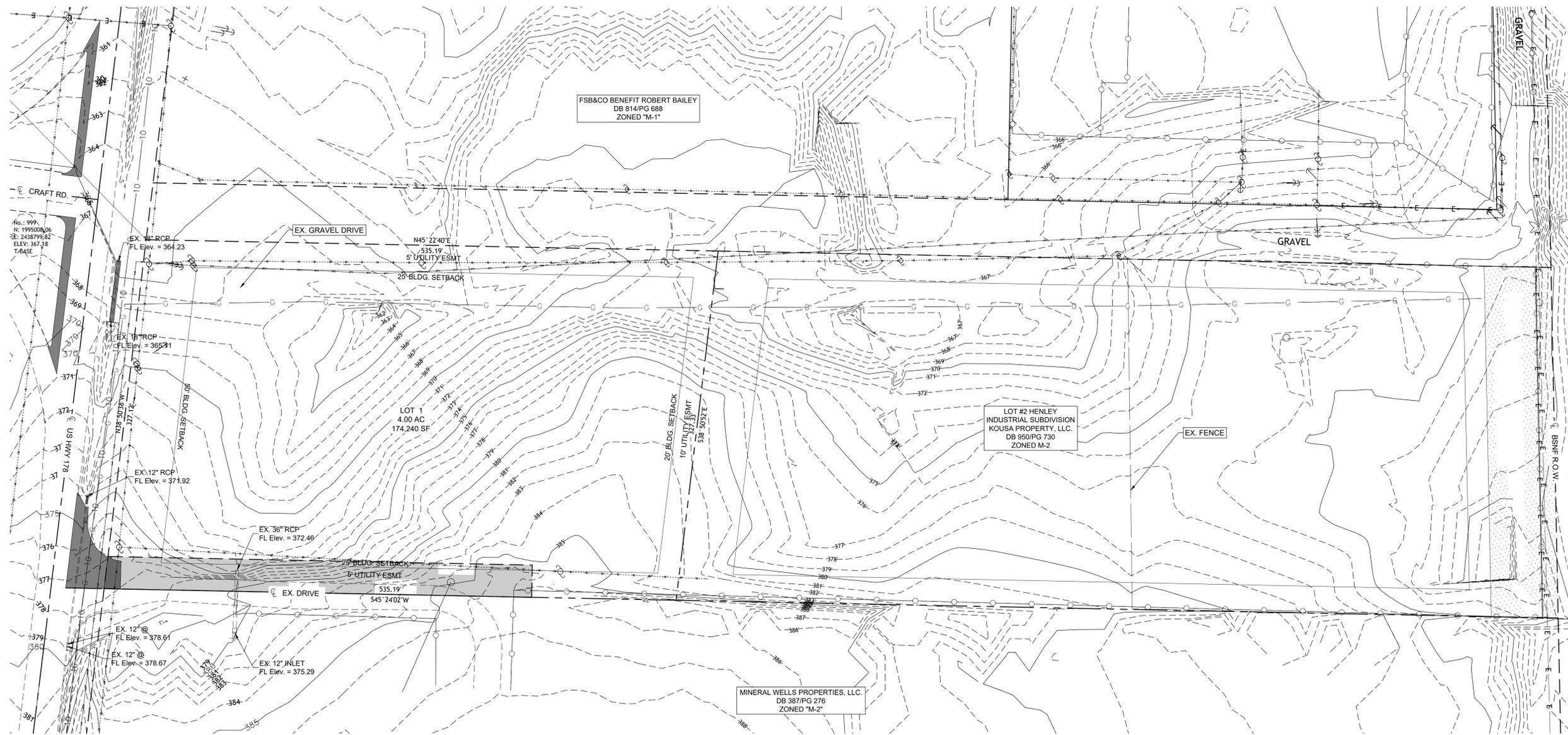


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HIGHWAY TYPICAL SECTIONS

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G4.1
SHEET 6 OF 30

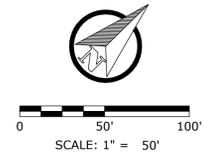
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TOPOGRAPHICAL SURVEY NOTES:

- Owner of Record of Property Surveyed: KAUSA PROPERTY LLC
- Property Address: 7440 HWY 178 OLIVE BRANCH, MS 38654.
- There were no visible structures located on this property as of the date of this survey.
- Before the field survey was performed, Houston Engineering notified Mississippi 811 to have utilities located within 100' of the property surveyed. All utilities that were located by the Mississippi 811 activation are shown hereon. The exact location and depth of said utilities are unknown as they were not unearthened for this survey.
- Subsurface and environmental conditions were not examined or considered as a part of this survey.
- This property lies in an incorporated area of Desoto County and is zoned M-2.
- This survey plat is valid only if print has original seal of surveyor.
- This survey is the property of Houston Engineering, PLLC. The reproduction, distribution, or alteration of this document in whole or in part without the written permission of Houston Engineering, PLLC is prohibited.

- No visible, obvious, and/or apparent indications of burial grounds, cemeteries, solid waste dumps, sumps, sanitary landfills, or wetlands were observed during the course of this survey. Neither Houston Engineering, PLLC nor does the surveyor of record express any expertise in the recognition of burial grounds, cemeteries, solid waste dumps, sumps, sanitary landfills, or wetlands.
- Bearings are relative to NAD83 Mississippi State Plane Coordinate System (West Zone). Coordinates shown hereon are grid coordinates expressed in U.S. foot.
- Area of Property Surveyed: **174,240 S.F.** or **4.00** acres, more or less.
- This property is located in "Zone X", an area determined to be outside the 500-year flood plain, according to FIRM Community Panel No. 28033C0101H dated MAY 5, 2014. Elevations shown hereon were taken on the ground using T.B.M. noted hereon.
- Contours were derived from elevations taken on the ground by means of radial topo and are relative to T.B.M. noted hereon.
- Contours shown hereon were plotted at one-foot intervals.
- No visible evidence of earth moving work, building construction, or building additions were observed in the process of conducting the fieldwork.
- No visible evidence of recent street or sidewalk construction or repairs were observed in the process of conducting the fieldwork.
- The SUBJECT PROPERTY has direct vehicular and pedestrian access to Mississippi Highway No. 178 as shown hereon.



1
SITE TOPOGRAPHICAL SURVEY
 SCALE: 1" = 50'

LEGEND	
FOUND IRON BAR	○
SET 12" IRON BAR	●
UTILITY POLE	⊙
WATER METER	⊞
EX. SPOT ELEV.	X 335.5
PROPERTY LINE	---
CENTER LINE	---
EDGE OF PAVEMENT	---
RIGHT-OF-WAY	---
UTILITY EASEMENT	---
ELECTRIC POWER	---
BURIED FIBER	---

SCALE:	AS SHOWN
JOB NO.:	222-157.015
DATE:	JUNE 2022
DSGN.:	B. HOUSTON
DWG. BY:	A.R. MCCACHREN
CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

VERIFY SCALES	1
BAS IS ONE INCH ON	1
PLANT MATERIAL	1
DATE OF SURVEY	1
DATE OF PLOTTING	1
DATE OF PRINTING	1

C1.0
 SHEET 8 OF 30

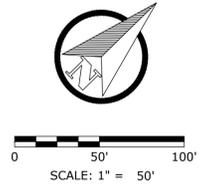
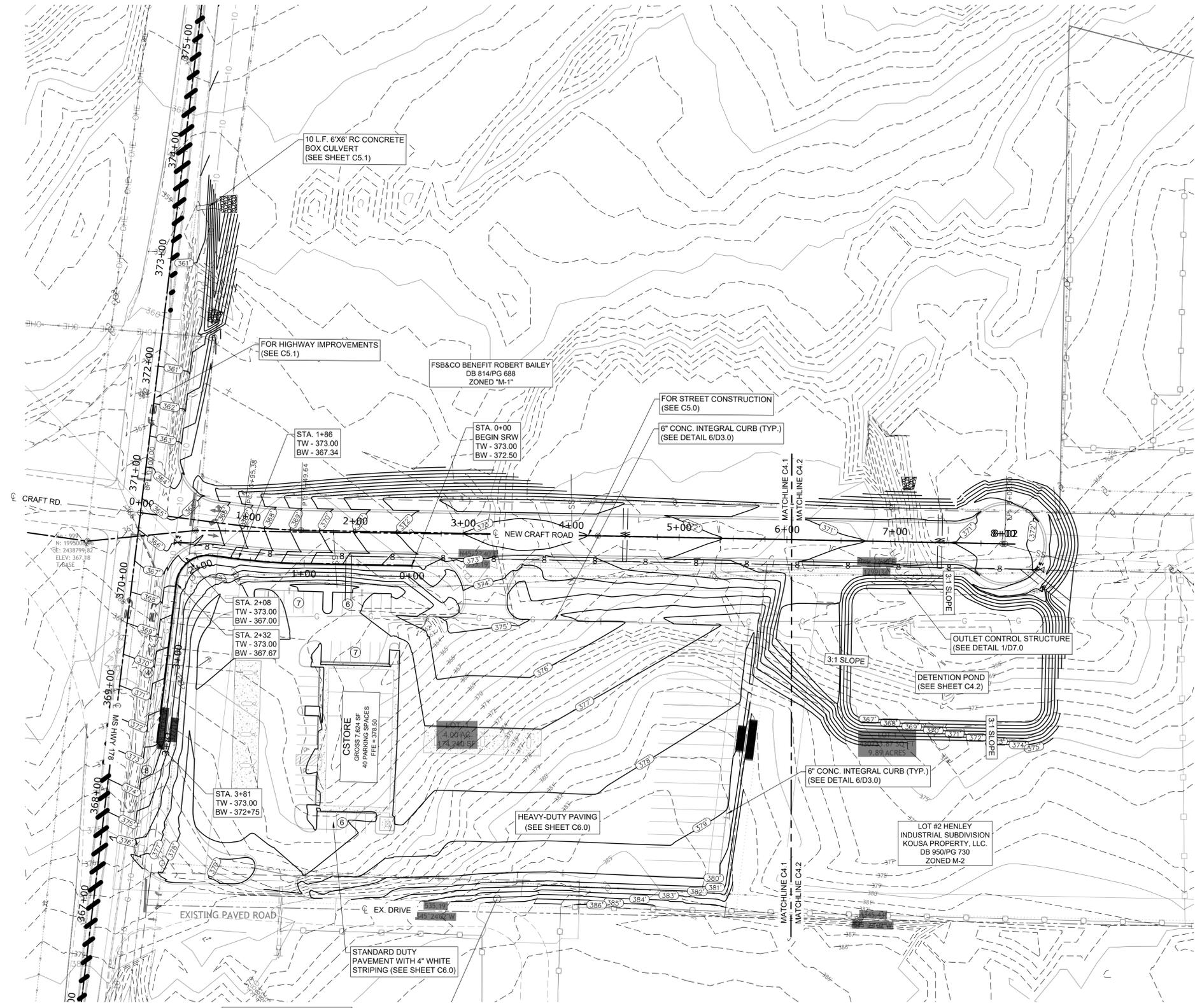
DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD
8/12/22	ISSUED FOR REVIEW	JBH	JBH								

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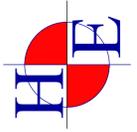


RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
 7740 HWY178, OLIVE BRANCH, MS 38654
 SITE TOPOGRAPHICAL SURVEY

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RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
 7740 HWY178, OLIVE BRANCH, MS 38654
 OVERALL GRADING PLAN

SCALE: AS SHOWN
 JOB NO.: 222-157.015
 DATE: JUNE 2022
 DSGN.: B. HOUSTON
 DWG. BY: A.R. MCCACHREN
 CHK.: B. HOUSTON
 APVD.: B. HOUSTON

VERIFY SCALES
 BASE IS ONE INCH ON
 ORIGINAL DRAWING
 ALL DIMENSIONS AND
 DIMENSIONS SHALL BE
 AS SHOWN UNLESS
 OTHERWISE NOTED

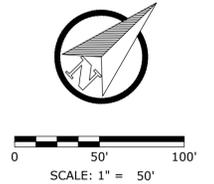
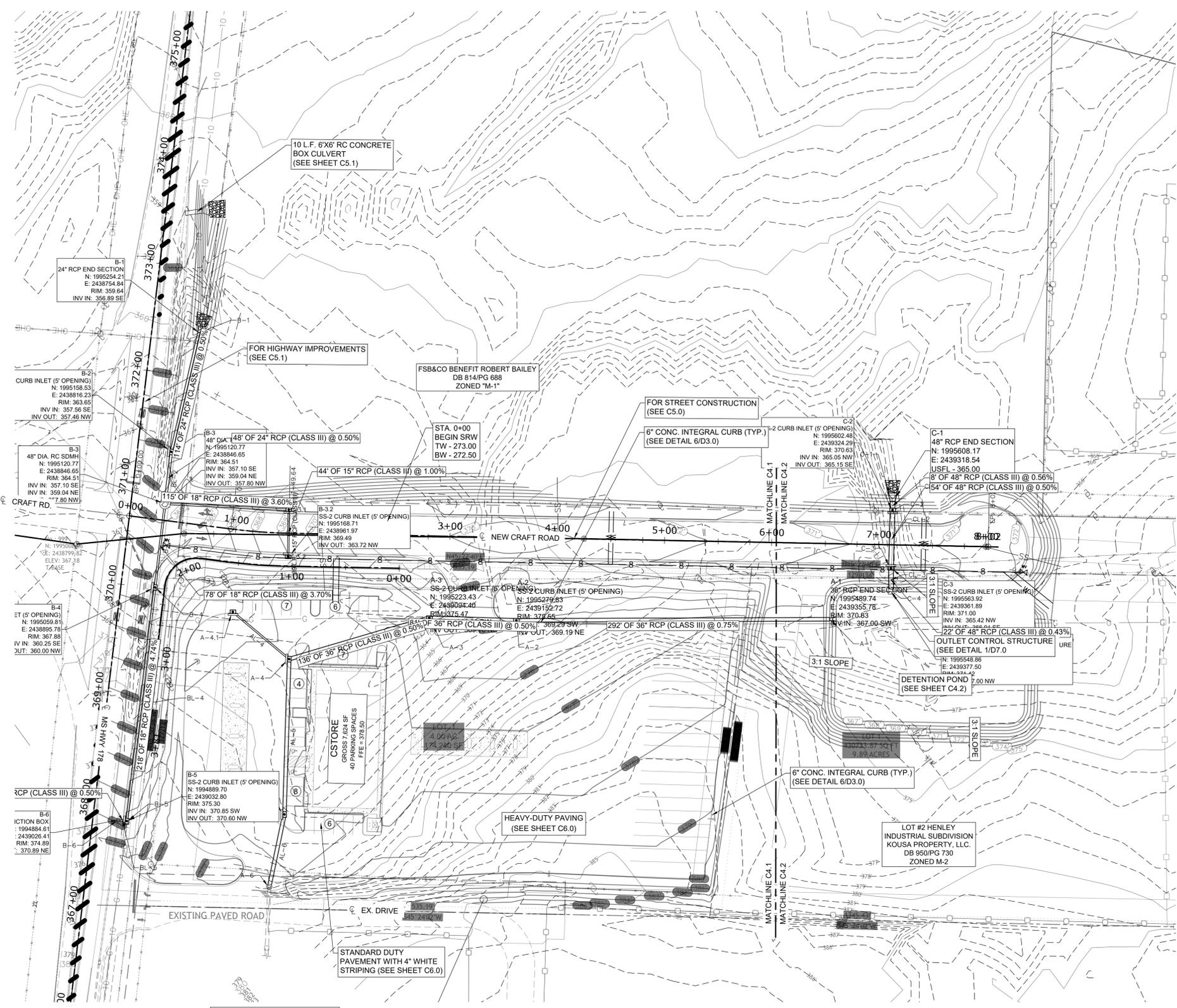
C4.0
 SHEET 11 OF 30

1
C4.0 OVERALL SITE GRADING PLAN
 SCALE: 1" = 50'

DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD
8/9/22	ISSUE FOR REVIEW	JBH	JBH												

Rev. No. A

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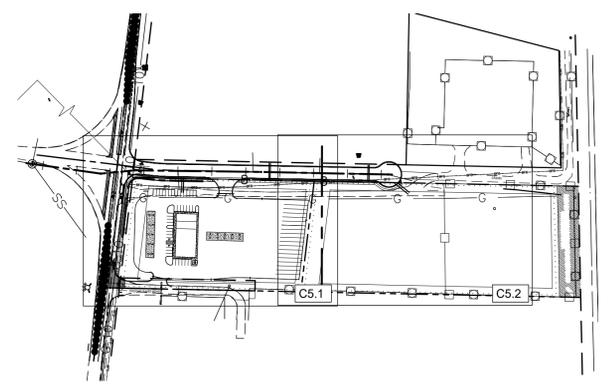
RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
 7740 HWY178, OLIVE BRANCH, MS 38654
 OVERALL DRAINAGE PLAN

SCALE: AS SHOWN
 JOB NO.: 222-157.015
 DATE: JUNE 2022
 DSGN.: B. HOUSTON
 DWG. BY: A.R. MCCACHREN
 CHK.: B. HOUSTON
 APVD.: B. HOUSTON

VERIFY SCALES:
 1" = 100' (PLAN)
 1" = 10' (SECTION)
 1" = 1" (AS SHOWN)

C5.0
 SHEET 14 OF 30

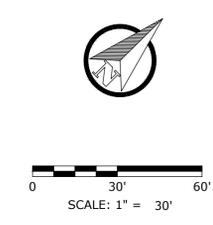
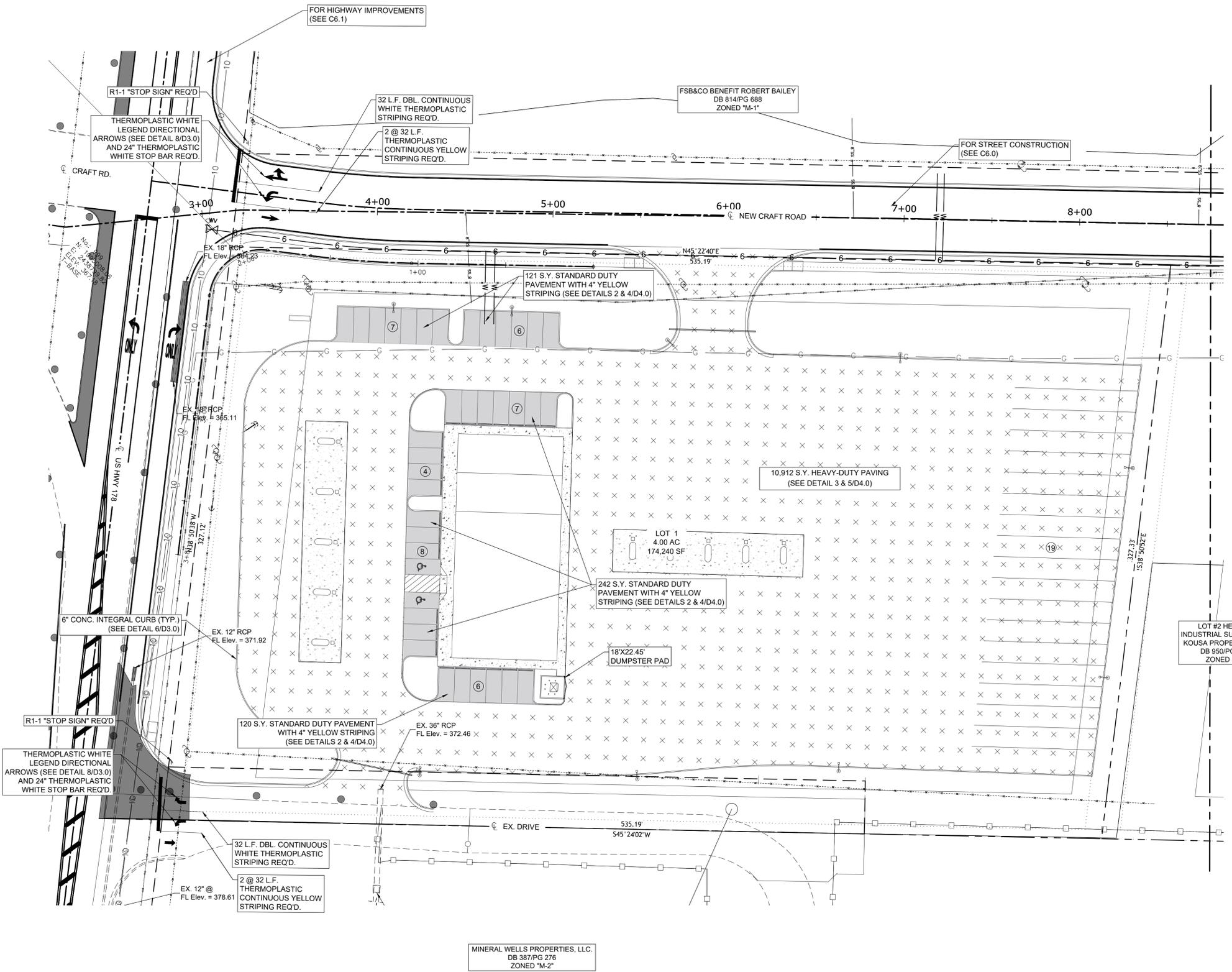
1
C4.0 OVERALL SITE DRAINAGE PLAN
 SCALE: 1" = 50'



DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD
8/9/22	ISSUE FOR REVIEW														

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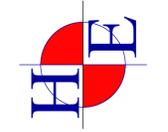
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- PAVING PLAN NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EXISTING UTILITIES LOCATED WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR DAMAGES TO EXISTING UTILITIES, WHETHER THESE LINES ARE SHOWN ON THE CONSTRUCTION PLANS OR NOT.
 2. CONTRACTOR SHALL SUBMIT PRICING FOR BOTH OPTIONS (ASPHALT AND CONCRETE) FOR STANDARD AND HEAVY DUTY PAVING.

1 SITE PAVING PLAN
C8.0 SCALE: 1" = 30'

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RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
 7740 HWY178, OLIVE BRANCH, MS 38654
 SITE PAVING PLAN

SCALE:	AS SHOWN
JOB NO.:	222-157.015
DATE:	JUNE 2022
DSGN.:	B. HOUSTON
DWG. BY:	A.R. MCACHREN
CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

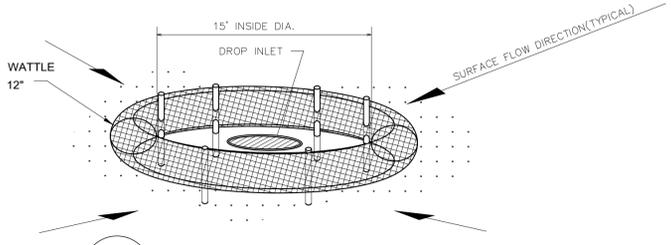
VERIFY SCALES
 BASE ON INCH ON
 ORIGINAL DRAWING
 DIMENSIONS SHALL
 GOVERN OVER ALL
 OTHERS

C8.0
 SHEET 21 OF 30

DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD	DATE	DESCRIPTION	BY	APVD
8/9/22	ISSUE FOR REVIEW	JBH	JBH								

Rev. No. A

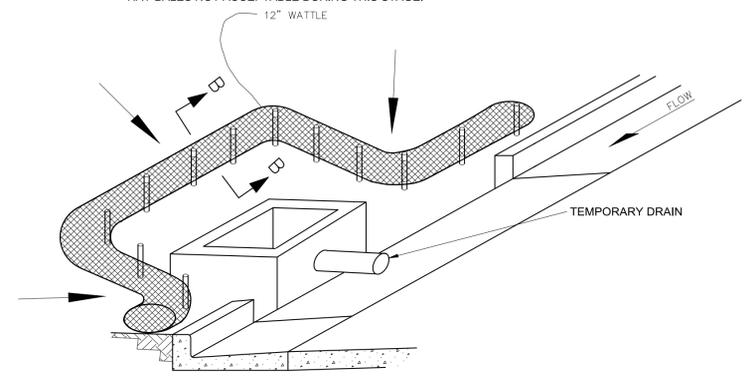
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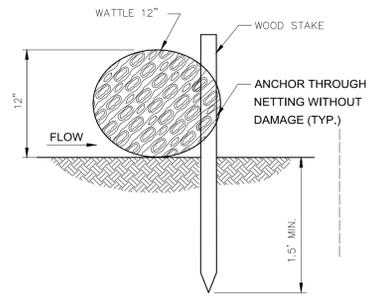
3 DROP INLET PROTECTION
 D1.0 SCALE: N.T.S.

- NOTES:
1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
 2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1" MIN., 3" MAX.).
 3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

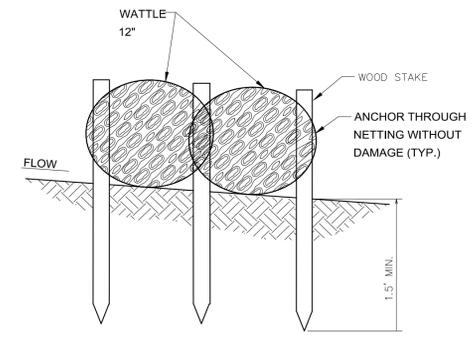
NOTE:
 SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION.
 HAY BALES NOT ACCEPTABLE DURING THIS STAGE.



2 CURB INLET PROTECTION (INITIAL STAGE) SINGLE OR DOUBLE WING INLET
 D1.0 SCALE: N.T.S.

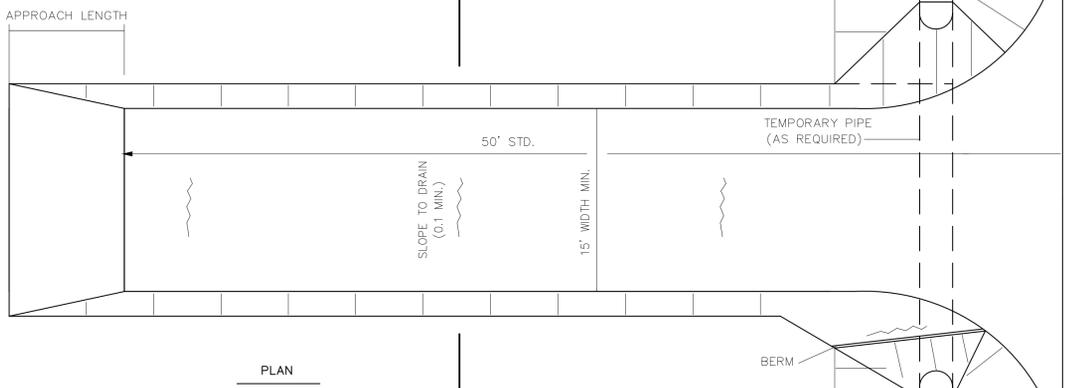
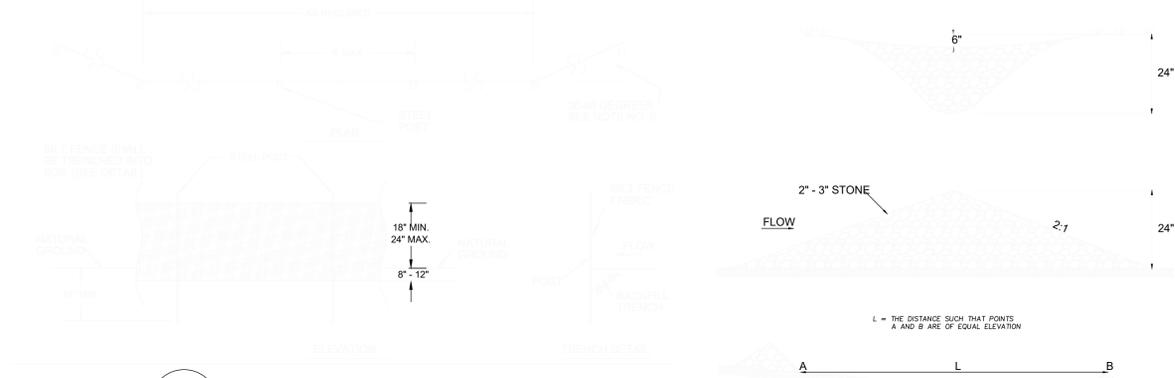


SECTION B-B

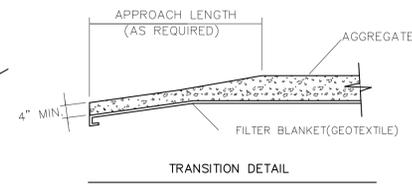


SECTION A-A

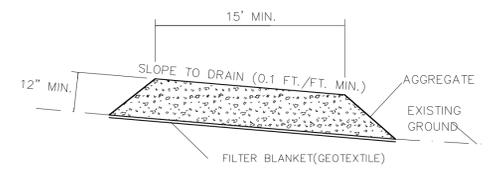
1 SILT FENCE DETAIL
 D1.0 SCALE: N.T.S.



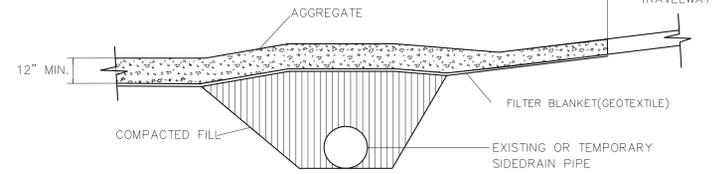
PLAN



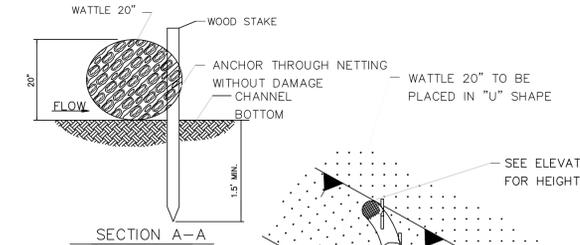
TRANSITION DETAIL



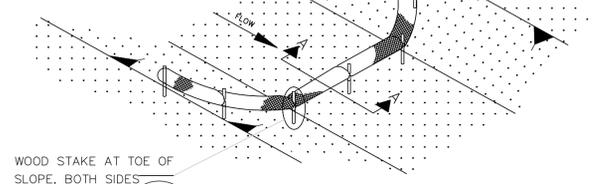
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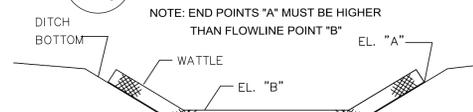
7 RURAL CONNECTION DETAIL
 D1.0 SCALE: N.T.S.



SECTION A-A



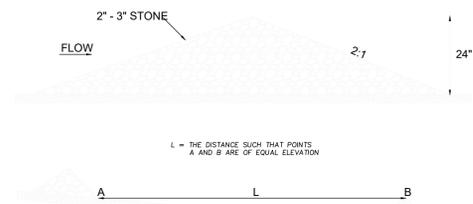
6 DITCH CHECK DETAIL
 D1.0 SCALE: N.T.S.



5 ELEVATION DETAIL
 D1.0 SCALE: N.T.S.

- NOTES:
1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER.
 2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
 3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

4 ROCK CHECK DAM DETAIL
 D1.0 SCALE: N.T.S.

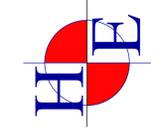


4 ROCK CHECK DAM DETAIL
 D1.0 SCALE: N.T.S.

5 ELEVATION DETAIL
 D1.0 SCALE: N.T.S.

4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

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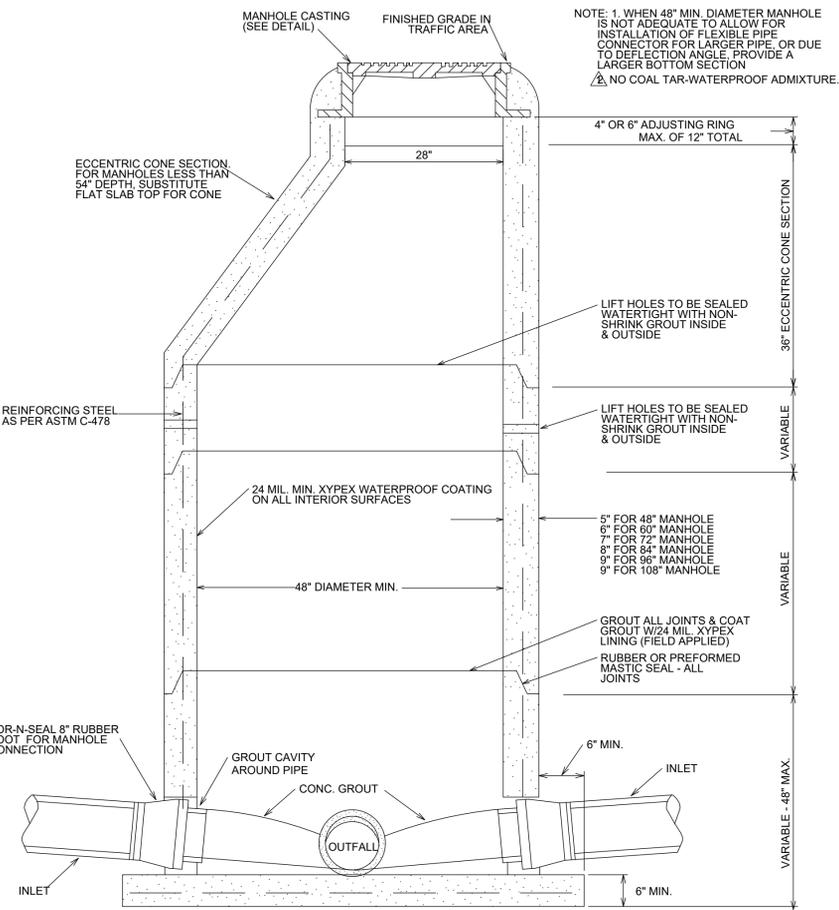
RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
 7740 HWY 178, OLIVE BRANCH, MS 38654
 EROSION CONTROL DETAILS

SCALE:	AS SHOWN
JOB NO.:	222-157,015
DATE:	JUNE 2022
DSGN.:	B. HOUSTON
DWG. BY:	A.R. MCCACHREN
CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

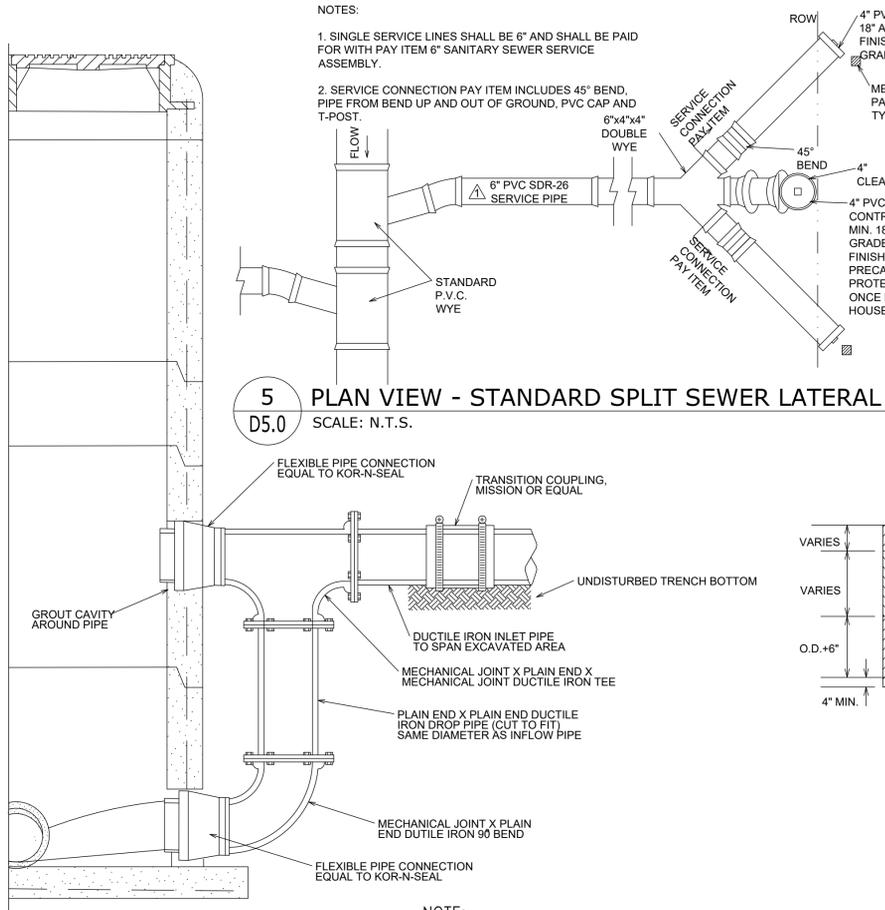
D1.0

SHEET 23 OF 30

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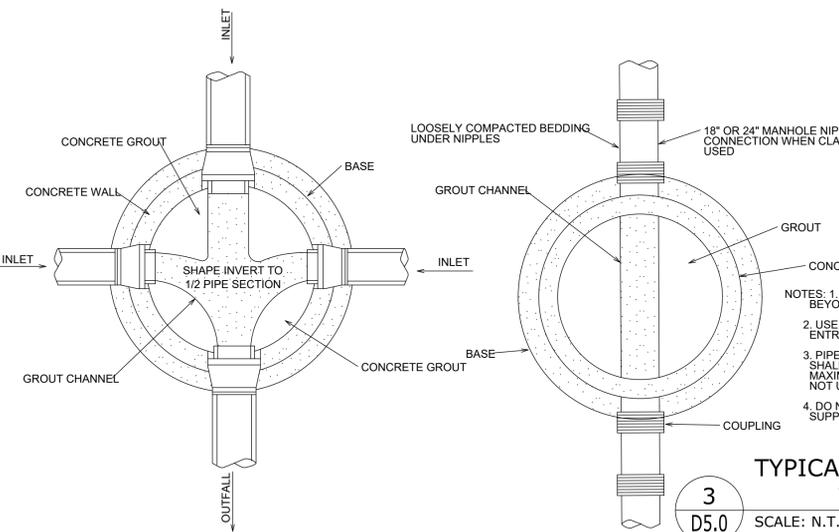
2 SECTION PRECAST CONCRETE MANHOLE
D5.0 SCALE: N.T.S.



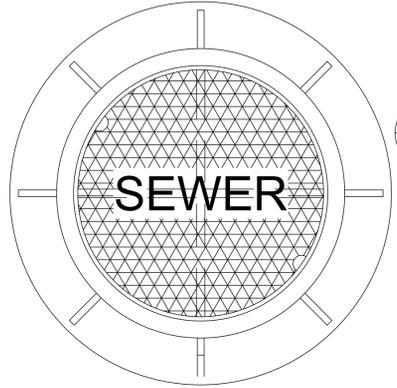
5 PLAN VIEW - STANDARD SPLIT SEWER LATERAL
D5.0 SCALE: N.T.S.



4 SECTION PRECAST CONCRETE MANHOLE WITH DROP CONNECTION
D5.0 SCALE: N.T.S.

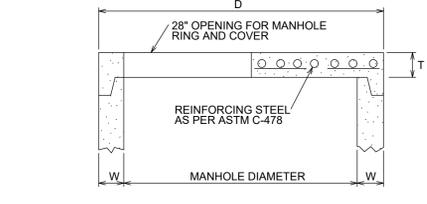


3 TYPICAL PIPE CONNECTION TO MANHOLE
D5.0 SCALE: N.T.S.



6 MANHOLE CASTING DETAILS
D5.0 SCALE: N.T.S.

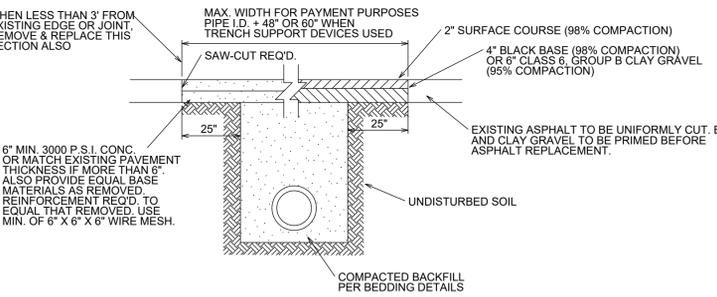
8 JOINTING DISSIMILAR PIPES
D5.0 SCALE: N.T.S.



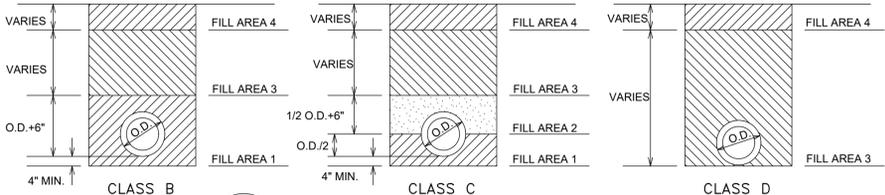
7 FLAT SLAB MANHOLE TOP
D5.0 SCALE: N.T.S.

PIPE DIAMETER	W	D	T
48"	3"	58"	6"
60"	6"	72"	8"
72"	7"	86"	8"
84"	8"	100"	8"
96"	9"	114"	8"
108"	10"	128"	8"

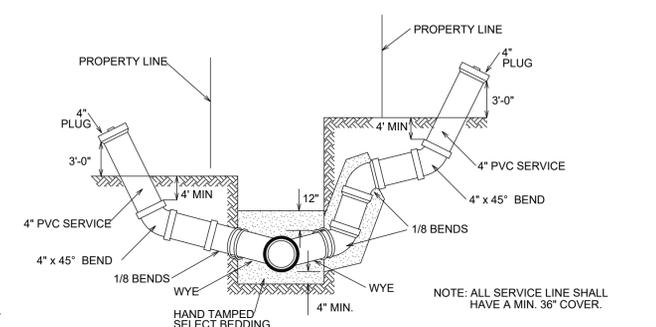
10 REMOVAL & REPLACEMENT OF EXISTING PAVEMENT
D5.0 SCALE: N.T.S.



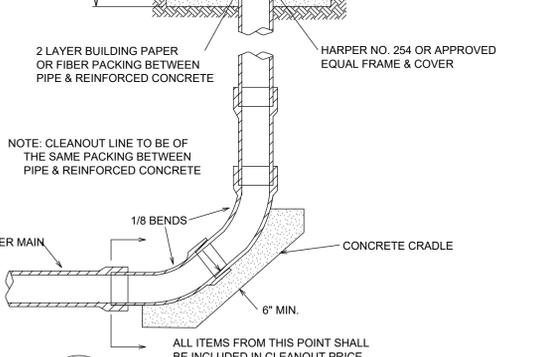
11 BEDDING / BACKFILL DETAILS
D5.0 SCALE: N.T.S.



12 SYTICAL SERVICE CONNECTIONS
D5.0 SCALE: N.T.S.



9 TERMINAL CLEANOUT DETAIL
D5.0 SCALE: N.T.S.



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RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
 7740 HWY178, OLIVE BRANCH, MS 38654
 SANITARY SEWER DETAILS

SCALE: AS SHOWN

JOB NO.:	222-157,015
DATE:	JUNE 2022
DSGN.:	B. HOUSTON
DWG. BY.:	A.R. MCCACHREN
CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Site Information

The construction of a commercial building and associated pavements will disturb 7.25 acres. Three-fourths of this site has a medium erosion hazard. The remainder of the site has 10 to 20 percent slopes that are highly erodible. The site drains to a road ditch adjacent to Highway 178 and to a ditch through the property and on to Johns Creek which is not on the 303(d) list for siltation, turbidity or habitat alterations, therefore additional controls that are warranted for a site discharging to listed receiving streams are not required.

Controls

Vegetative Controls: A 15-foot undisturbed vegetative buffer zone will be maintained around the perimeter of the site. Existing trees will be preserved where possible. All diversions will be seeded (permanent seeding) within seven calendar days of construction. Topsoil will be stockpiled for use in landscaping. Grass-lined waterways will be constructed and lined with temporary straw-net liners and will be constructed around the building. All 3:1 cut slopes will be roughened by disking prior to seeding. Slopes steeper than 6:1 slope will be soddened with Bermuda grass. Any disturbed areas that will be left undisturbed for 14 or more days will be seeded (temporary seeding) immediately, meaning no later than the following day. After final grading, all disturbed areas will be seeded (permanent seeding) immediately, meaning no later than the following day.

Structural Controls: A sediment basin with a drop inlet discharge will be constructed at the northern end of the project. Storm water will be directed to said basin with the assistance of diversions, grassed waterways, and storm drainpipes. Upslope waters will be diverted around disturbed areas. All cut slopes will be at or below a 3:1 grade. A construction entrance will be built and any accumulation of mud on vehicle tires will be washed, if needed, during muddy conditions. Inlet protection (silt fences) will be installed at all storm drain inlets. A silt fence will be constructed around the topsoil stockpile. Geotextile Fabric and riprap will be placed at all culvert outlet aprons. A sediment pit will be excavated for concrete trucks to wash the mixer chutes and a memo will be sent to the concrete supplier to use a minimum amount of water. Drivers will be instructed to return any materials to the concrete batch plant and complete final washing procedures at that location.

Housekeeping Practices. All equipment maintenance and repair will be done offsite. Trash cans will be placed at convenient locations throughout the site. The main trash collection bin will be located on the northeast corner of the site and will be picked up weekly by the city. Paints, solvents, fertilizers, or any other potentially toxic materials will not be stored onsite. Portable sanitary facilities will be provided for construction workers. There is a marked and designated area for concrete truck wash off.

Post Construction/Storm Water Management Measures: The temporary sediment basin will be converted to a detention basin after construction. Riprap will be placed at concentrated storm water discharge points to prevent erosion from high runoff velocities.

Implementation Sequence

- 1) Build construction entrance/exit.
- 2) Install silt fence around excavation limits without disturbing Buffer Zones.
- 3) Clear and Grub areas to be graded using Best Management Practices.
- 4) Construct sediment basins. Grade site and begin building construction to lines as shown on plans. Place wattles as needed to control erosion.A
- 5) Construct parking areas with pipes and inlets as shown on the plans. Install riprap as shown at the end of pipe outfalls.
- 6) Install roof drain collection as shown on the plans complete with energy dissipaters.
- 7) Plant temporary vegetation as necessary to prevent sedimentation and to protect slopes.
(Temporary Mulch weekly)
- 8) Finish grade all slopes and backfill curbs.
- 9) Plant permanent vegetation and landscaping per plans.
- 10) After site is stabilized, remove temporary measures, vegetate additional areas as required.

Maintenance Plan

Check all disturbed areas, erosion, and sediment controls after each significant rainfall but not less than once per week. Make needed repairs within 24 hours. Remove sediment from the basin, inlet protection devices and silt fences when accumulated sediment has reached 50 percent capacity. Replace non-functional silt fence. Maintain all vegetated areas to provide proper ground cover - reseed, fertilize, and mulch as needed. Erosion control measures and monitoring shall be completed under the direction of QCP qualified personnel.