

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 <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
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: <u>Construction of Roads, Buildings, Parking and Utilities.</u>		
PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED: <u>Truck Stop / C-Store</u>		

SIC Code: <u>5</u> <u>4</u> <u>1</u> <u>1</u>	NAICS Code <u>4</u> <u>4</u> <u>5</u> <u>1</u> <u>2</u> <u>0</u>
---	--

NEAREST NAMED RECEIVING STREAM: <u>John's Creek</u>		
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 <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
HAS A TMDL BEEN ESTABLISHED FOR THE RECEIVING STREAM SEGMENT?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
FOR WHICH POLLUTANT:		
ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN ½ MILE DOWNSTREAM OF PROJECT BOUNDARY THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP): <u>ML - CL</u>		
WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
IF YES, INDICATE THE TYPE OF FLOCCULANT.	<input type="checkbox"/> ANIONIC POLYACRYLAMIDE (PAM) <input type="checkbox"/> 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 <input type="checkbox"/>	NO <input type="checkbox"/>
WILL THERE BE A 50 FT BUFFER BETWEEN THE PROJECT DISTURBANCE AND THE WATERS OF THE STATE?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
IF NOT, PROVIDE EQUIVALENT CONTROL MEASURES IN THE SWPPP.		

¹ Acreage 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 ☒

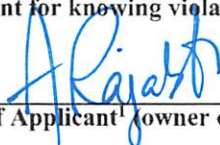
IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED? (If yes, provide appropriate approval documentation from MDEQ Office of Land and Water, Dam Safety.) YES ☐ NO ☒

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.


Signature of Applicant¹ (owner or prime contractor)

10/20/22
Date Signed

Amranullah 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

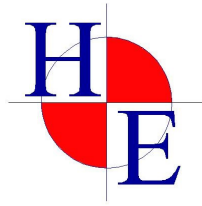
Please submit the LCNOI form to:

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

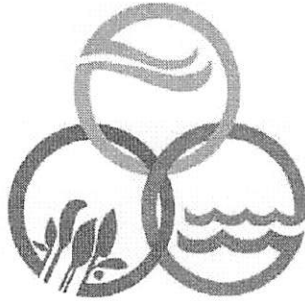
**RE: HWY 178 FUEL CENTER
7740 HWY 178
Olive Branch, MS 38654**

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:

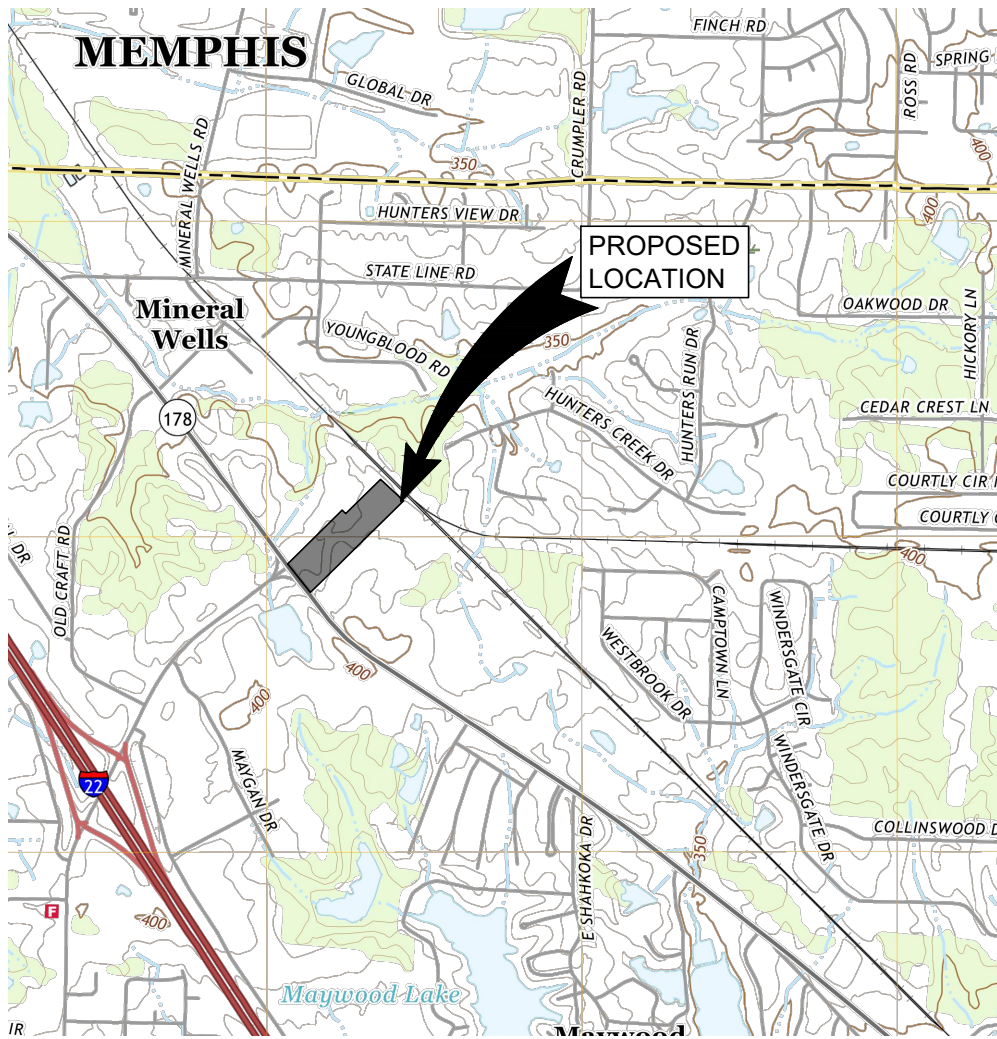
- A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit
- A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit
- A United States Geological Survey (USGS) quadrangle map 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

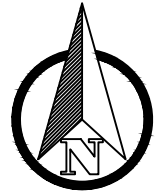
ALL QUESTIONS MUST BE ANSWERED (Answer "NA" if the question is not applicable)

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

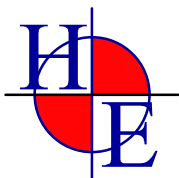
LEGEND

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

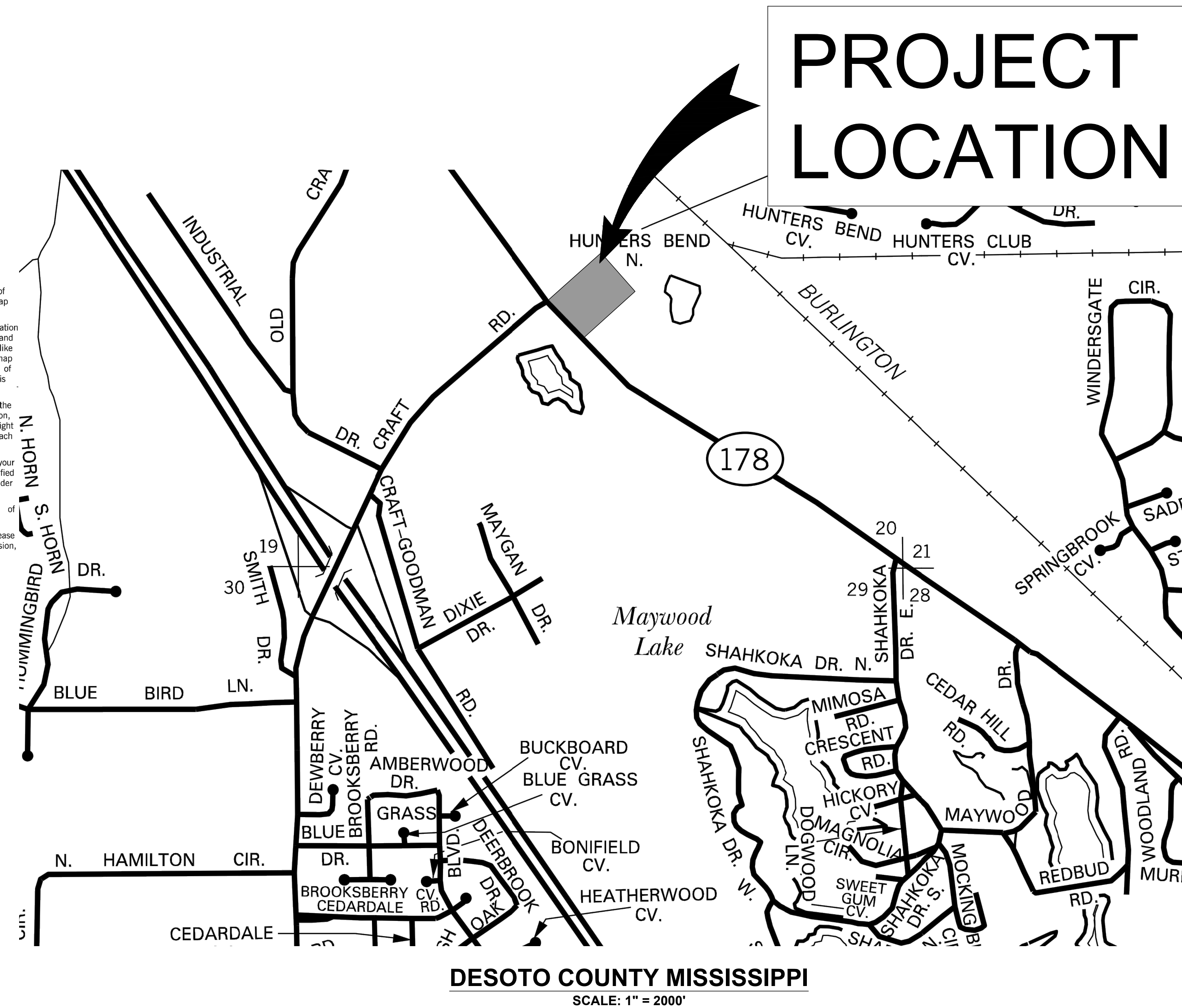
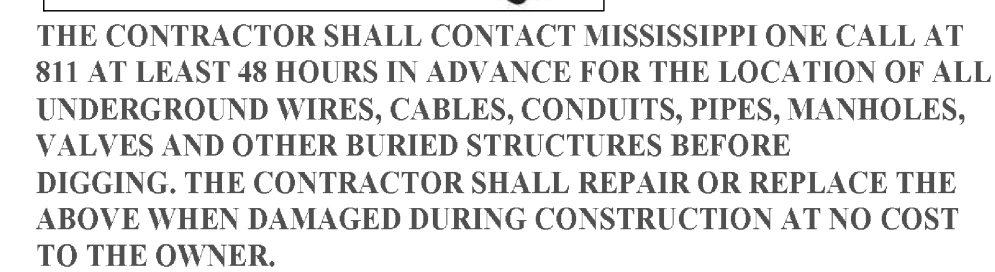
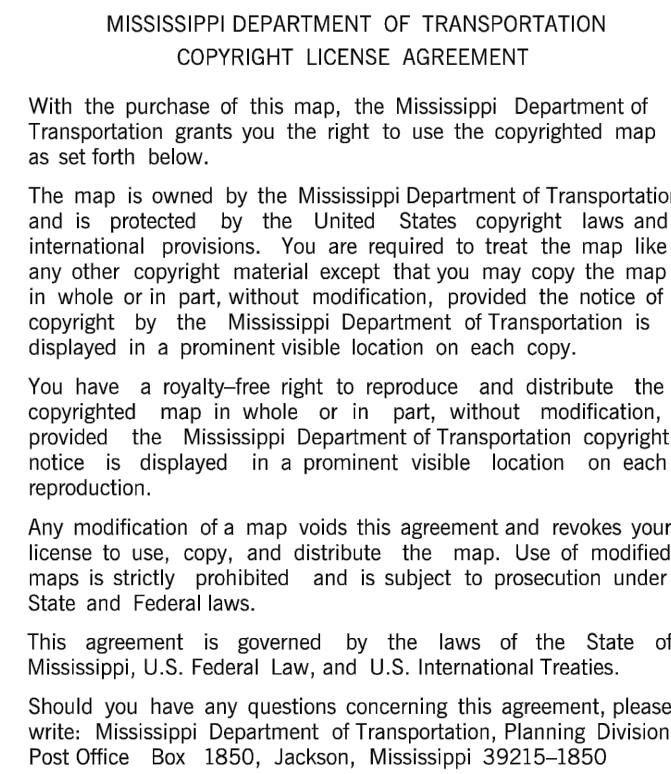
Engineering, Surveying, and Environmental Services

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

HENLEY SUBDIVISION

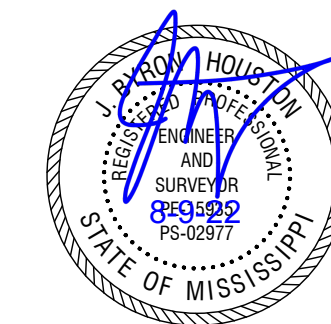
9.89 ACRES IN THE NE $\frac{1}{4}$ OF SECTION 20,
TOWNSHIP 1 SOUTH, RANGE 6 WEST,
DESOTO COUNTY, MS

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



PROJECT LOCATION

LOCATION AND INDEX	G1.0
GENERAL NOTES	G2.0
TRAFFIC CONTROL PLAN	G3.0-G3.1
TYPICAL SECTIONS	G4.0-4.2
SITE TOPOGRAPHICAL SURVEY	C1.0
SITE DEMOLITION PLAN	C2.0
SITE LAYOUT PLAN	C3.0
OVERALL GRADING PLAN	C4.0
ENLARGED GRADING PLAN	C4.1-C4.2
OVERALL DRAINAGE PLAN	C5.0
ENLARGED DRAINAGE PLAN	C5.1-C5.2
NEW CRAFT ROAD PLAN & PROFILE	C6.0
HWY 178 PLAN & PROFILE	C6.1
SITE UTILITY PLAN	C7.0
SANITARY SEWER PLAN & PROFILE	C7.1
SITE PAVING PLAN	C8.0
SITE EROSION CONTROL PLAN	C9.0
EROSION CONTROL DETAILS	D1.0
HANDICAP PARKING DETAILS	D2.0
SIDEWALK & PAVING DETAILS	D3.0
MISCELLANEOUS DETAILS	D4.0
SANITARY SEWER DETAILS	D5.0
WATER DISTRIBUTION DETAILS	D6.0
OUTLET CONTROL STRUCTURE DETAIL	D7.0
TYPE B SILT BASIN DETAIL	D8.0



HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services

1207 Office Park Drive
Oxford, Mississippi 38655

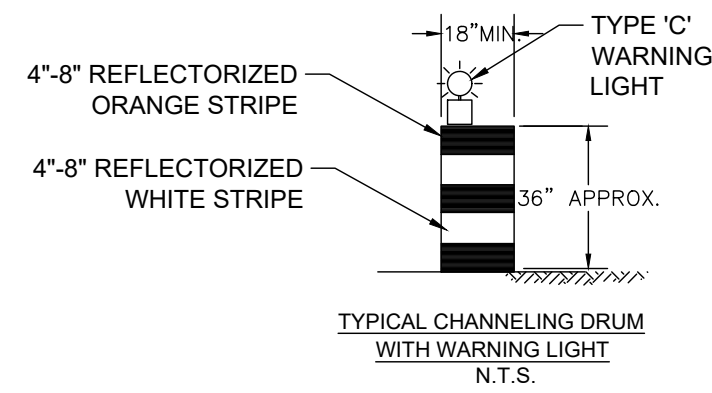
Phone: (662) 647-1312
E-mail: byron@houstonengr.com

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

SHEET NUMBER:

G1.0

Engineering drawing of a proposed road intersection and alignment. The drawing shows a main road alignment with stationing from 364+00 to 377+00. A proposed road intersection is shown with stationing from 0+00 to 5+00. The drawing includes property lines, easements, and a proposed road layout. A north arrow and a scale bar (1 inch = 30 feet) are located in the top right corner. The drawing is dated 10/1/18 and is for a project in the City of San Diego.



1. CONTRACTOR SHALL INSTALL TRAFFIC CONTROL DEVICES SUCH AS CONES, DRUMS, FLASHERS, BARRICADES, SIGNS, ETC., TO SAFELY CHANNEL OR DIRECT TRAFFIC. WHEN NECESSARY, FLAGGERS SHALL BE USED IN CONJUNCTION WITH TRAFFIC CONTROL DEVICES (FLAGGER AHEAD SIGN REQUIRED IN ADVANCE OF FLAGGERS EXCEPT DURING BRIEF PERIODS OF EMERGENCY SITUATIONS).
1. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED WHENEVER NECESSARY, REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED, AND REMOVED IMMEDIATELY THEREAFTER.
2. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST ADDITION.
3. THESE ARE MINIMUM REQUIREMENTS AND IN NO WAY RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO MAINTAIN TRAFFIC IN A SAFE MANNER.
4. SEE STANDARD DRAWINGS TCP-2 FOR CORRECT PLACEMENT AND INSTALLATION OF BARRICADES AND SIGNS.
5. CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS SUCH AS WATCH FOR TRUCKS, TRUCKS TURNING, TRUCKS CROSSING, ETC., IN PLACE OF FLAGGERS AS DIRECTED BY THE ENGINEER ALONG PUBLIC ROADS ON EACH SIDE OF BORROW PIT ENTRANCES OR CROSSING OF PUBLIC ROADS.
6. SEE SHEET G3.0 FOR ADVANCE WARNING SIGNAGE FOR TRAFFIC CONTROL.

1
G3.1

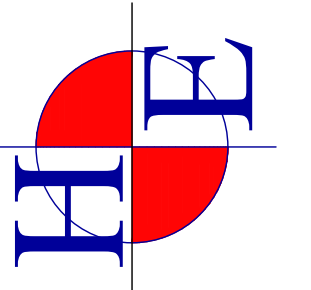
Rev. No.
A

G3.1

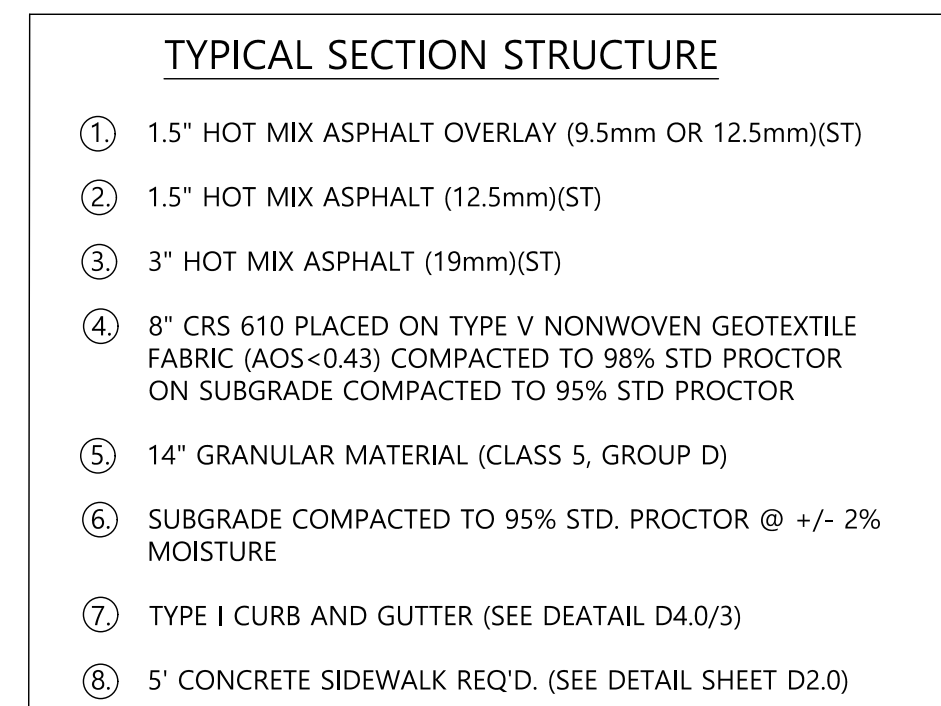
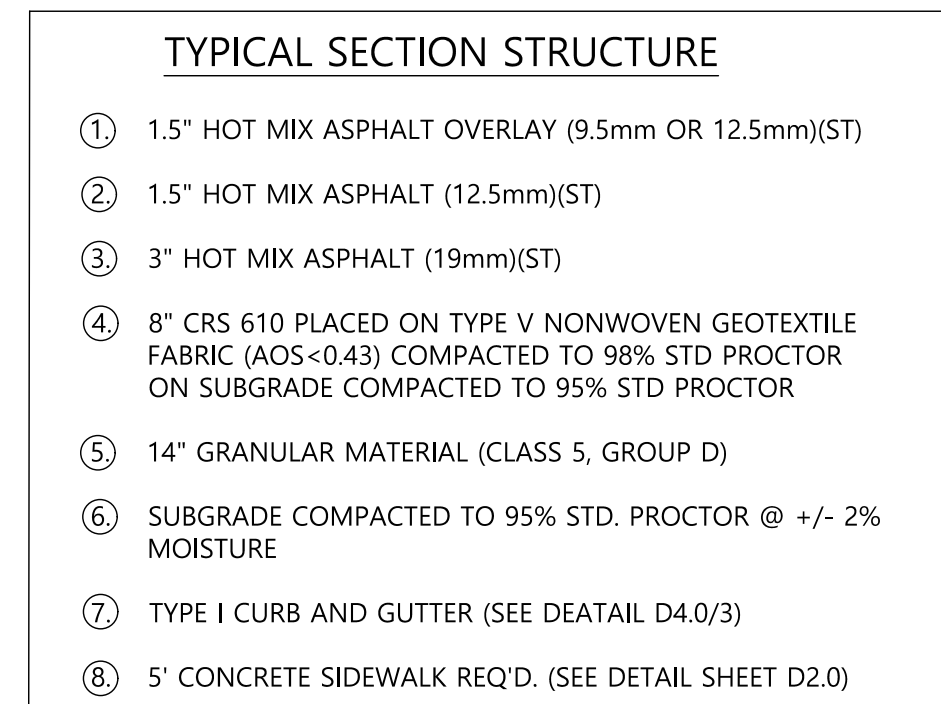
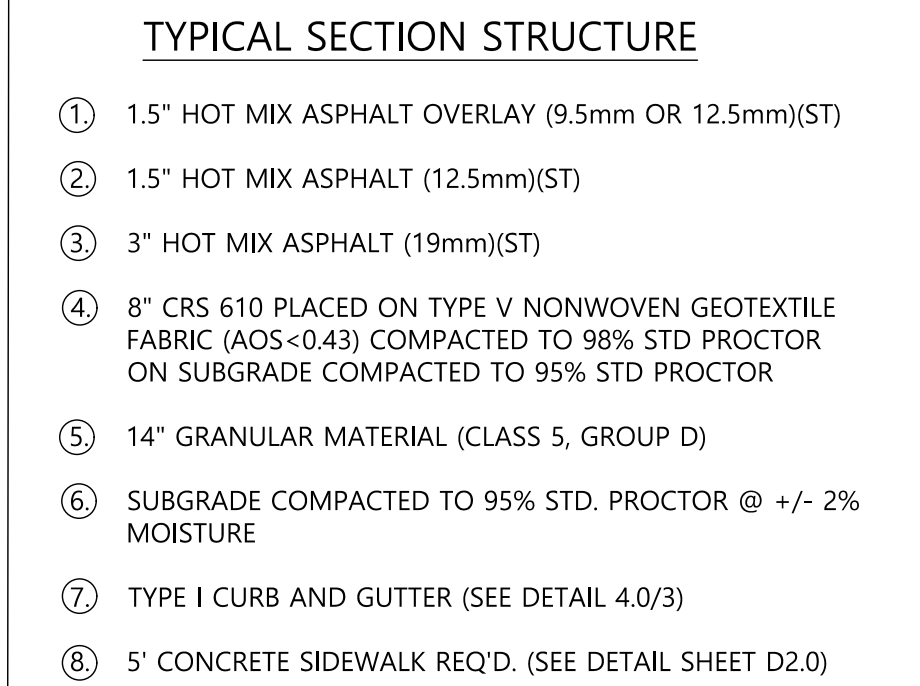
SHEET 4 OF 30

**RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER**

77740 HWY178, OLIVE BRANCH, MS 38654
TRAFFIC CONTROL PLAN



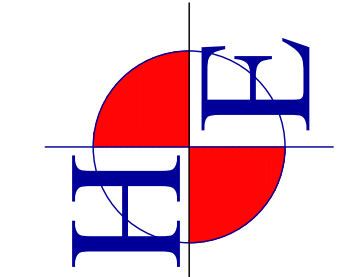
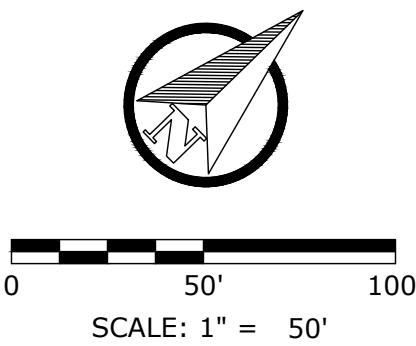
HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonengr.com



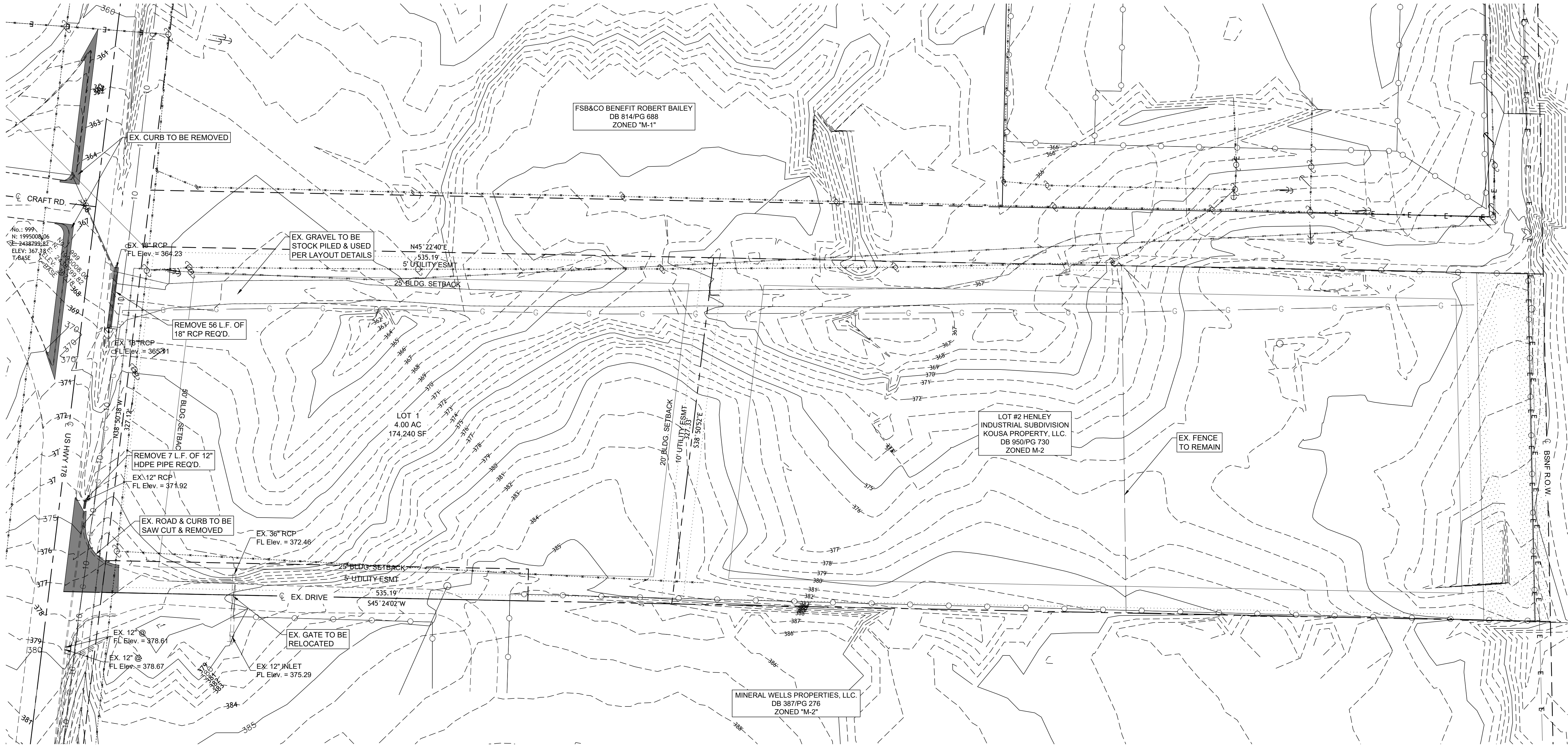
VERIFY SCALES MARK WITH PENCIL ORIGINAL BRAND NAME AND NUMBER OF THIS ITEM AGAINST SCALES ACCORDENTLY		SCALE: AS SHOWN JOB NO.: 222-157 015 DATE: JUNE 2022 DSGN.: B. HOUSTON DWG. BY: A.R. MCCACHREN CHK.: B. HOUSTON APVD.: B. HOUSTON
0	1"	



- 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 D4.0/3)
- ⑧ 5" CONCRETE SIDEWALK REQ'D. (SEE DETAIL SHEET D2.0)



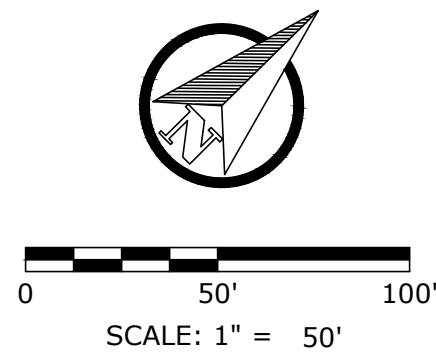
PROFESSIONAL RIGHTS CLAUSE: INFORMATION AND DATA CONTAINED ON THIS DRAWING IS CONFIDENTIAL. IF GIVEN TO AN ENTITY NOT HAVING A CONTRACTUAL RELATIONSHIP WITH THE ENGINEER, THE INFORMATION SHALL NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION. THIS LEGEND SHALL BE MARKED ON ANY REPRODUCTIONS HEREIN IN WHOLE OR IN PART. HOUSTON ENGINEERING © COPYRIGHT 2005



DEMOLITION NOTES

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THE PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
3. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
4. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
5. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
6. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL PLAN AND/OR SWPPP BY PLACING DEVICES NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE PROJECT.
7. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
9. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE PERMANENTLY REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.

10. UNLESS OTHERWISE INDICATED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.
11. IF APPROPRIATE, REFER TO THE ENVIRONMENTAL PLANS AND SPECIFICATIONS FOR HAZARDOUS MATERIAL REMEDIATION.
12. TEMPORARY FACILITIES: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
13. PROVIDE PROTECTION TO ALLOW SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA AND TO AND FROM OCCUPIED PORTIONS OF BUILDING.
14. TEMPORARY SHORING: PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
15. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.
16. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
17. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE RECYCLED, REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN APPROVED LANDFILL.
18. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
19. SEE SHEET C6.0 FOR HARDSCAPE APPLICATION INFORMATION.
20. STRIP TOP 6" OF MATERIAL CONTAINING VEGETATION OR ORGANIC MATERIAL. STOCKPILE TO USE IN AREAS NOT HARDSCAPED.
21. UTILITIES MAY NEED TO BE RELOCATED. CONTRACTOR SHALL COORDINATE RELOCATION OF CONFLICTING UTILITIES WITH THE UTILITY OWNER. ALL EXPENSES FOR RELOCATION SHALL BE PAID BY OWNER.



1 SITE DEMOLITION PLAN
C2.0 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	---

Rev. No.

A

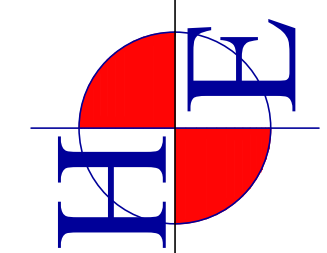
SCALE:	AS SHOWN
JOB NO.:	222-157.015
DATE:	JUNE 2022
DSGN.:	B. HOUSTON
DWG. BY:	A.R. MCCACHREN
CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

VERIFY SCALES	1
BASE IS ONE INCH ON	
GRAPHIC SCALE	
GRAPHIC SCALE	
GRAPHIC SCALE	

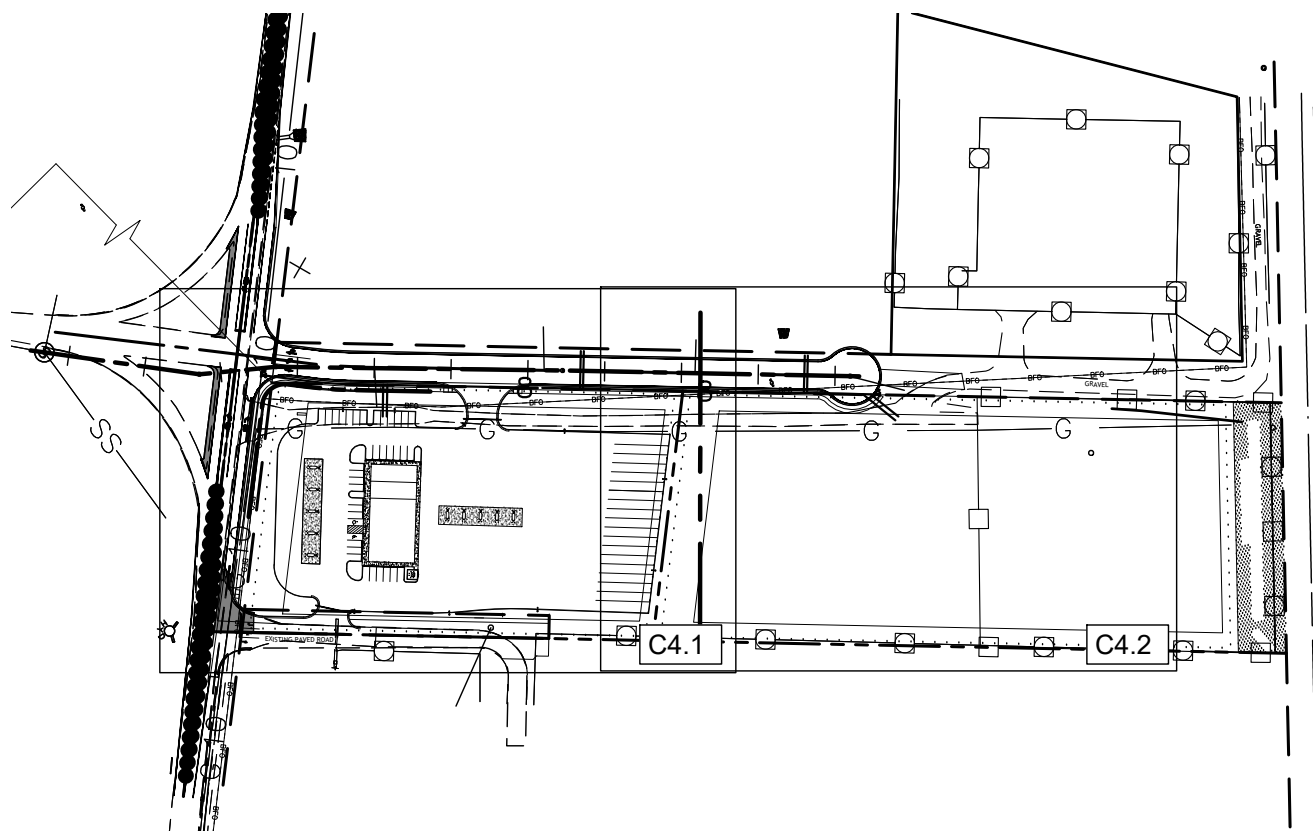
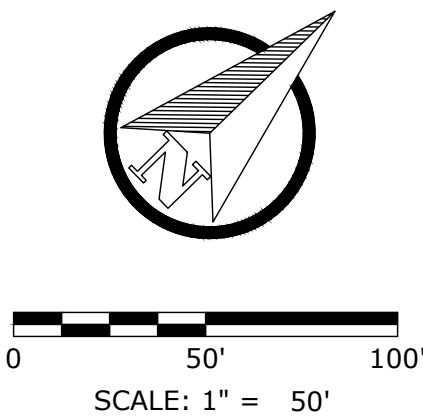
C2.0

SHEET 9 OF 30

HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonengr.com



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



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

Rev. No.
A

C4.0

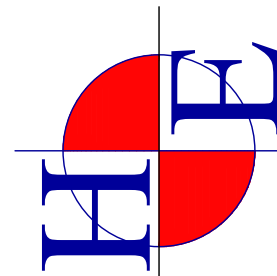
SHEET 11 OF 30

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

**TRAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER**

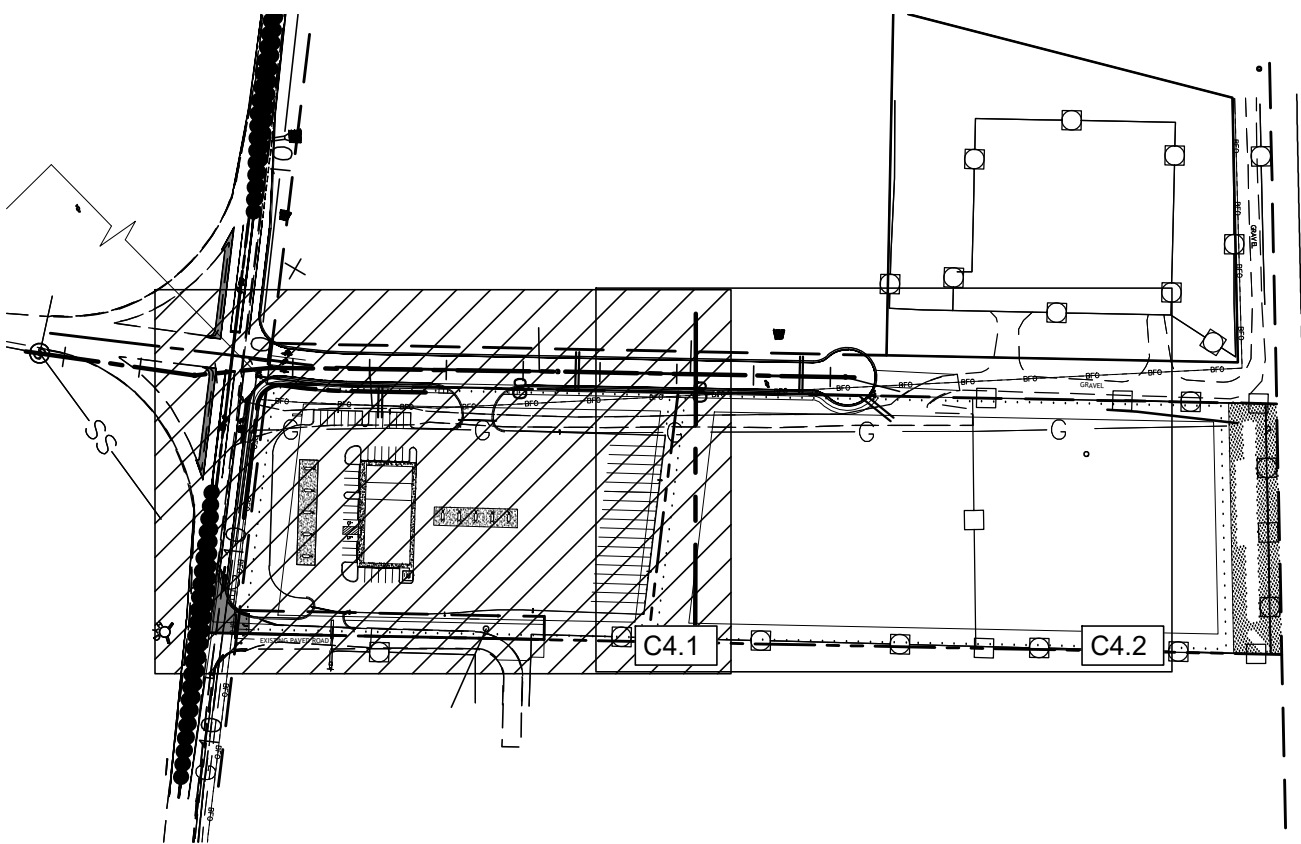
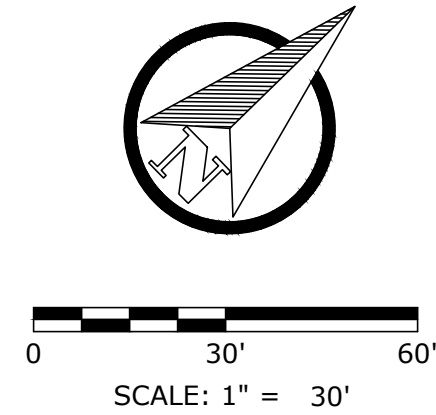
7740 HWY178, OLIVE BRANCH, MS 38654
OVERALL GRADING PLAN

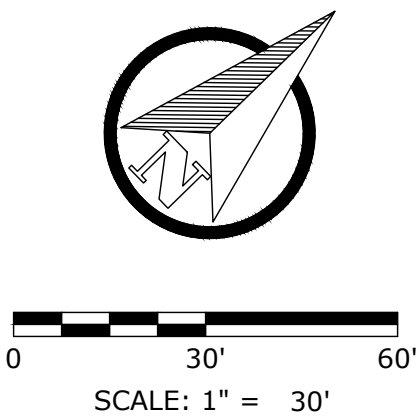


HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonengr.com

PROPRIETARY RIGHTS. ALL INFORMATION AND DATA CONTAINED ON THIS DRAWING IS CONFIDENTIAL. IF GIVEN TO ANY ENTITY NOT HAVING A CONTRACTUAL RELATIONSHIP WITH THE ENGINEER, THE INFORMATION SHALL NOT BE USED WITHOUT WRITTEN PERMISSION. THIS LEGEND SHALL BE MOVED ON ANY REPRODUCTION OF THIS WHOLE OR IN PART. HOLLISTON ENGINEERING © 2008/08/20

[illegible]





1. THE CONTRACTOR SHALL COORDINATE AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS OR GUIDELINES FROM GOVERNING AGENCIES BEFORE PROCEEDING WITH ANY ITEMS OF WORK UNDER OR WITHIN SUCH JURISDICTION(S).
2. ALL DIMENSIONS AND TIE-INS GOVERNED BY EXISTING CONDITIONS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE CORRECT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO PROCEEDING WITH ANY WORK. IF CONDITIONS AND DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH WORK WHERE DIMENSIONS ARE NOT SHOWN WITH +/- INDICATIONS ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.
3. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LOCATION OF UTILITY SERVICES, DIMENSIONS, AND ELEVATIONS OF SITE AND ANY DATA REQUIRED TO CONSTRUCT THE PROJECT.
4. THE CONTRACTOR SHALL SUBCONTRACT WITH SUPPLIERS, FABRICATORS AND INSTALLATION COMPANIES WHICH CAN DEMONSTRATE THEY POSSESS THE KNOWLEDGE, EXPERIENCE, AND PROVEN CAPABILITIES TO FULLY PERFORM ALL ASPECTS OF THE WORK REQUIRED WITHOUT OMISSION.
5. UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE PLOTTED IN THEIR APPROXIMATE LOCATIONS FROM THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR GUARANTEE THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, INCLUDING ANY SUBSURFACE INVESTIGATIONS, AS MAY BE NECESSARY BEFORE ANY EXCAVATION IS PERFORMED.
6. THE CONTRACTOR SHALL CALL 811 48-HOURS BEFORE ANY EXCAVATION ACTIVITIES BEGIN TO HAVE UTILITIES LOCATED IN ACCORDANCE WITH STATE LAW. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO ALL UTILITIES DURING CONSTRUCTION. IF UTILITIES ARE DAMAGED THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE UTILITY INVOLVED IMMEDIATELY.
7. TEMPORARY BENCHMARK (T.B.M. = 367.18): SET PK NAIL IN GRASS ISLAND AT THE S/W CORNER OF THE INTERSECTION OF NEW CRAFT RD. AND HWY 178.
8. THIS PROPERTY IS LOCATED IN "ZONE X", AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN, ACCORDING TO FIRM COMMUNITY PANEL NO. 28695C0101D DATED MARCH 16, 1998. ELEVATIONS SHOWN HEREON WERE TAKEN ON THE GROUND USING T.B.M. NOTED HEREON.
9. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FOR ENTIRE SITE. PONDING WATER WILL NOT BE ACCEPTED.
10. CONTRACTOR SHALL GRADE ALL ENTRANCE AND EXIT LANDINGS TO MATCH FINISHED FLOOR AND SLOPE AWAY FROM BUILDING AT -1.00%.
11. CONTRACTOR SHALL GRADE ALL SLOPES AS SHOWN TO A MINIMUM OF 3:1 SLOPE OR FLATTER.
12. SOME UTILITIES MAY REQUIRE DEMOLITION AND/OR RELOCATION. FOR DEMOLITION PLAN SEE SHEET C2.0. FOR UTILITY PLANS SEE SHEET C7.0.
13. CONTRACTOR SHALL FLOWING GEOTECHNICAL REPORT FOR UNDERCUT AND SOIL PLACEMENT FOR BUILDING AND PARKING AREAS.



Rev. No.

A

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

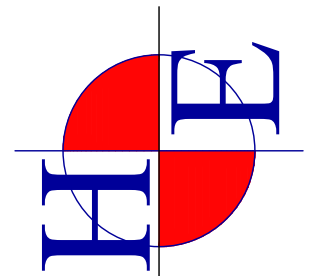
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

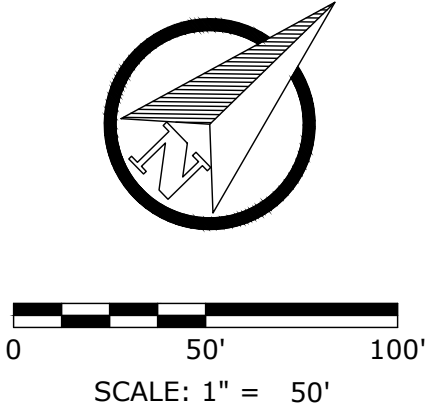
C4.2

SHEET 13 OF 30

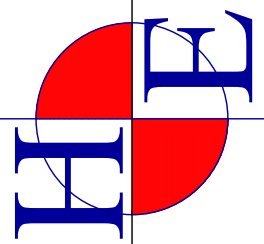
RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
77740 HWY178, OLIVE BRANCH, MS 38651
ENLARGED GRADING PLAN



HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonengr.com



HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonengr.com



RAN MANAGEMENT COMPANY, LLC

HWY 178 FUEL CENTER

77740 HWY178, OLIVE BRANCH, MS 38654

OVERALL DRAINAGE PLAN

SCALE: AS SHOWN

JOB NO.:	222-157.015
DATE:	JUNE 2022

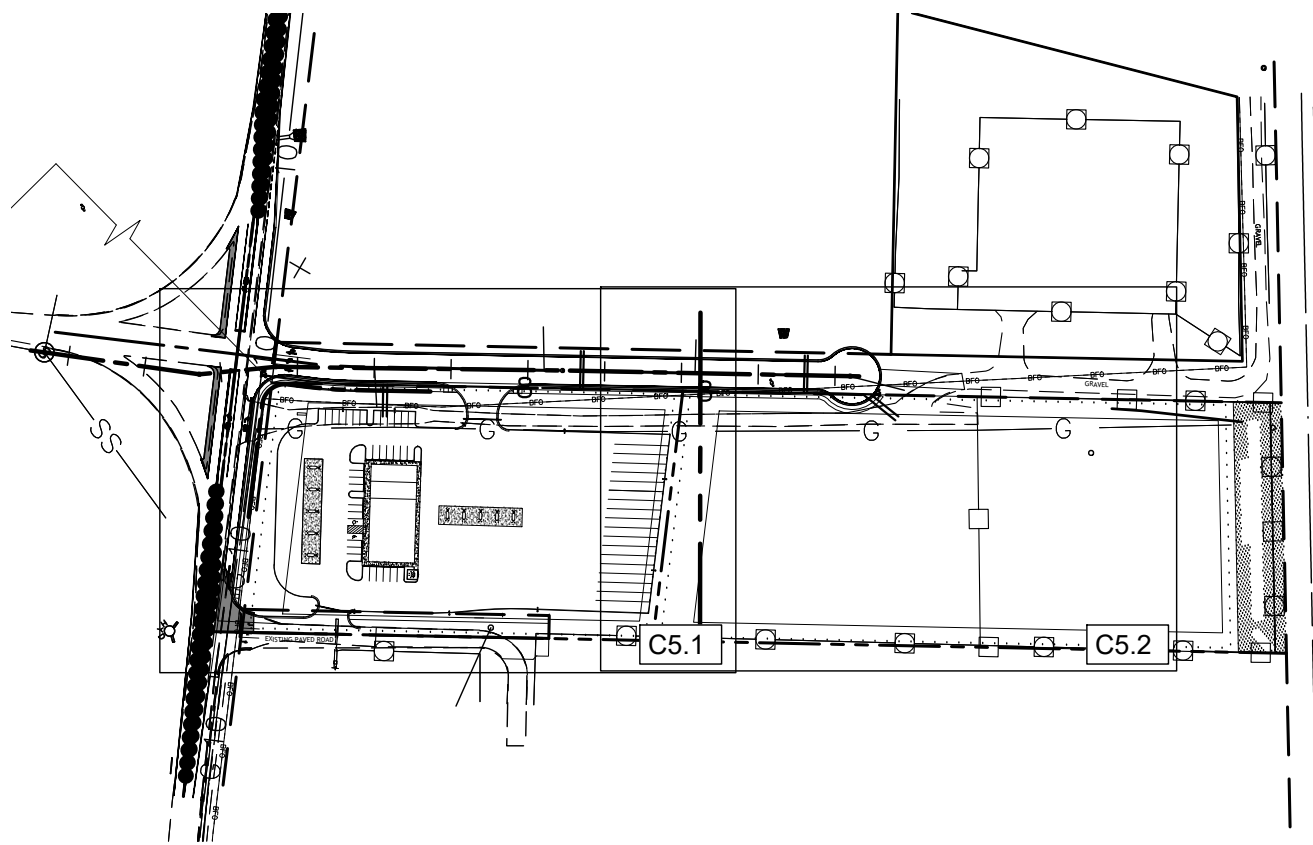
DSGN.: B. HOUSTON
DWG. BY: A.R. McCACHREI

CHK.:	B. HOUSTON
APVD.:	B. HOUSTON

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.

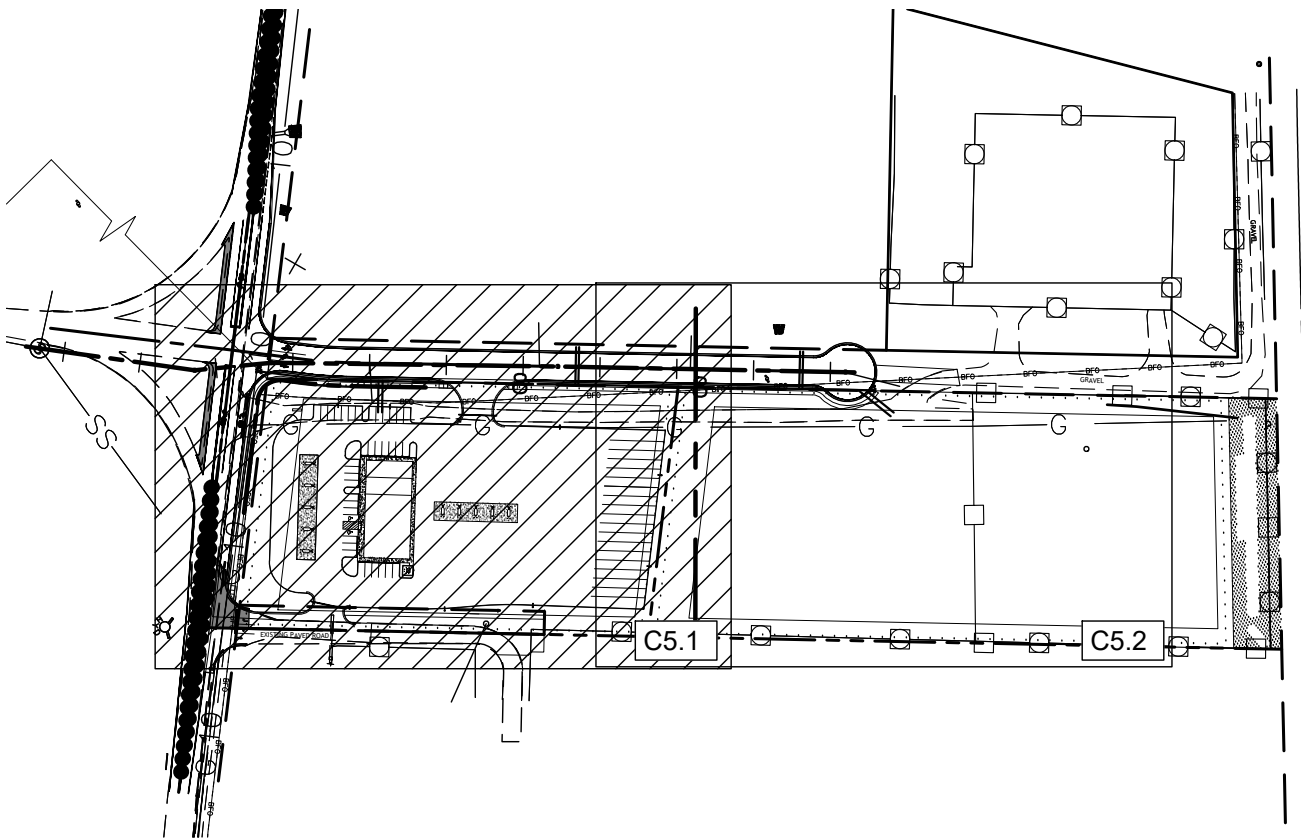
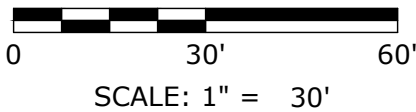
C5.0

SHEET 14 OF 30



1 OVERALL SITE DRAINAGE PLAN

[illegible]

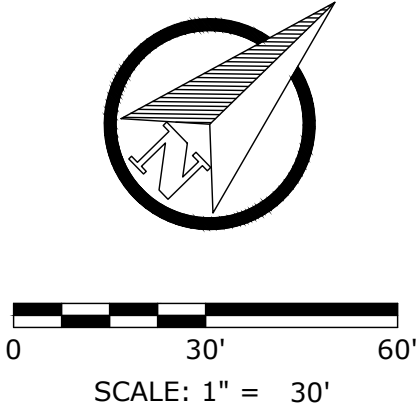


1 SITE DRAINAGE PLAN

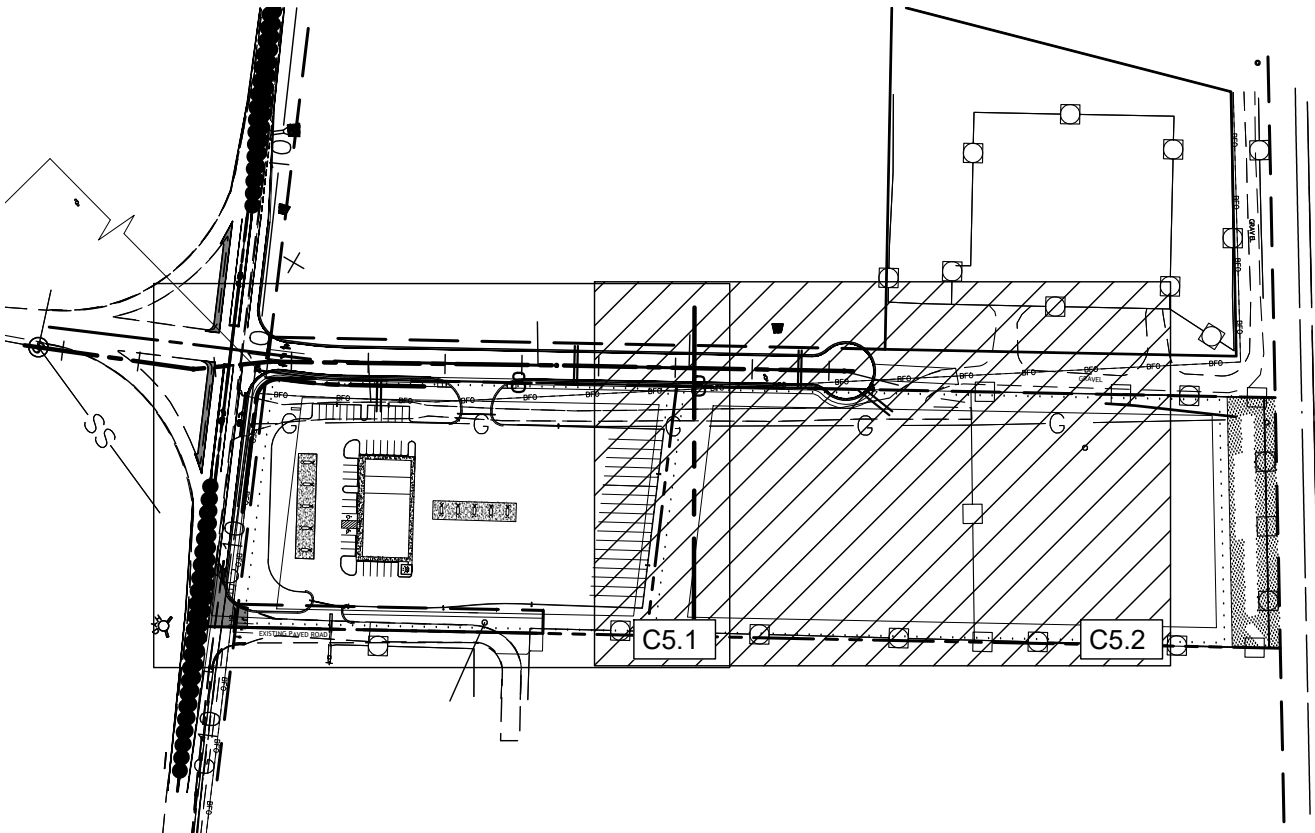
Rev. No.
A

C5.1

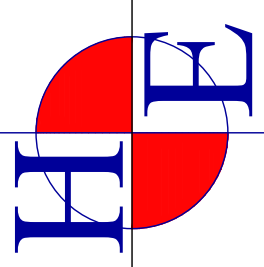
SHEET 15 OF 30



1. THE CONTRACTOR SHALL COORDINATE AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS OR GUIDELINES FROM GOVERNING AGENCIES BEFORE PROCEEDING WITH ANY ITEMS OF WORK UNDER OR WITHIN SUCH JURISDICTION(S).
2. ALL DIMENSIONS AND TIE-INS GOVERNED BY EXISTING CONDITIONS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE CORRECT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO PROCEEDING WITH ANY WORK. IF CONDITIONS AND DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH WORK WHERE DIMENSIONS ARE NOT SHOWN WITH +/- INDICATIONS ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.
3. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LOCATION OF UTILITY SERVICES, DIMENSIONS, AND ELEVATIONS OF SITE AND ANY DATA REQUIRED TO CONSTRUCT THE PROJECT.
4. THE CONTRACTOR SHALL SUBCONTRACT WITH SUPPLIERS, FABRICATORS AND INSTALLATION COMPANIES WHICH CAN DEMONSTRATE THEY POSSESS THE KNOWLEDGE, EXPERIENCE, AND PROVEN CAPABILITIES TO FULLY PERFORM ALL ASPECTS OF THE WORK REQUIRED WITHOUT OMISSION.
5. UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE PLOTTED IN THEIR APPROXIMATE LOCATIONS FROM THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR GUARANTEE THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, INCLUDING ANY SUBSURFACE INVESTIGATIONS, AS MAY BE NECESSARY BEFORE ANY EXCAVATION IS PERFORMED.
6. THE CONTRACTOR SHALL CALL 811 48-HOURS BEFORE ANY EXCAVATION ACTIVITIES BEGIN TO HAVE UTILITIES LOCATED IN ACCORDANCE WITH STATE LAW. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO ALL UTILITIES DURING CONSTRUCTION. IF UTILITIES ARE DAMAGED THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE UTILITY INVOLVED IMMEDIATELY.
7. TEMPORARY BENCHMARK (T.B.M. = 367.18): SET PK NAIL IN GRASS ISLAND AT THE S/W CORNER OF THE INTERSECTION OF NEW CRAFT RD. AND HWY 178.
8. THIS PROPERTY IS LOCATED IN "ZONE X", AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN, ACCORDING TO FIRM COMMUNITY PANEL NO. 28085C0101D DATED MARCH 16, 1998. ELEVATIONS SHOWN HEREON WERE TAKEN ON THE GROUND USING T.B.M. NOTED HEREON.
9. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FOR ENTIRE SITE. PONDING WATER WILL NOT BE ACCEPTED.
10. CONTRACTOR SHALL GRADE ALL ENTRANCE AND EXIT LANDINGS TO MATCH FINISHED FLOOR AND SLOPE AWAY FROM BUILDING AT -1.00%.
11. CONTRACTOR SHALL GRADE ALL SLOPES AS SHOWN TO A MINIMUM OF 3:1 SLOPE OR FLATTER.
12. SOME UTILITIES MAY REQUIRE DEMOLITION AND/OR RELOCATION. FOR DEMOLITION PLAN SEE SHEET C2.0. FOR UTILITY PLANS SEE SHEET C7.0.
13. CONTRACTOR SHALL FOLLOW GEOTECHNICAL REPORT FOR UNDERCUT AND SOIL PLACEMENT FOR BUILDING AND PARKING AREAS.



1 SITE DRAINAGE PLAN
C5.2 SCALE: 1" = 30'



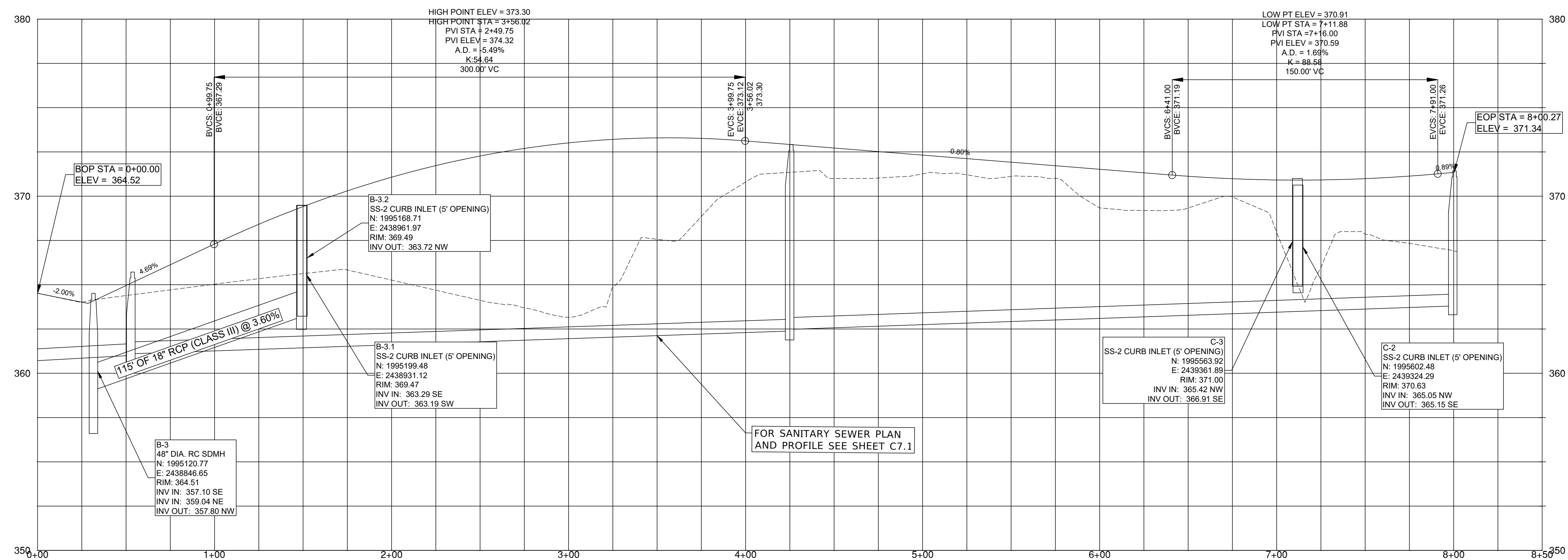
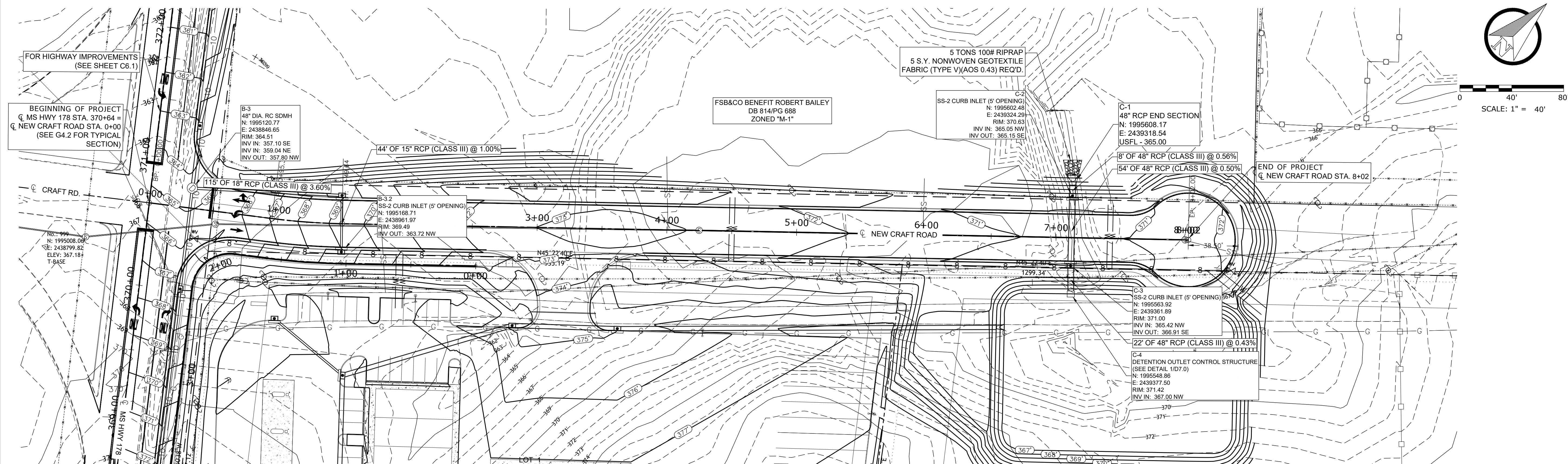
**RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER**

77740 HWY178, OLIVE BRANCH, MS 38654
ENLARGED 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

C5.2



1 NEW CRAFT RD. PLAN & PROFILE
C6.0 SCALE: 1" = 40'

NEW CRAFT RD. PLAN & PROFILE
SCALE: 1" = 40'

Rev. No.
A


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

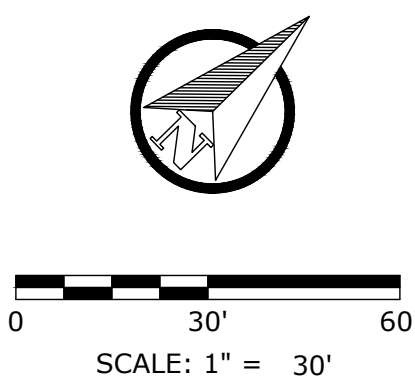
C6.0

SHEET 17 OF 30

FRAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER
740 HWY178, OLIVE BRANCH, MS 38655
NEW CRAFT RD. PLAN & PROFILE

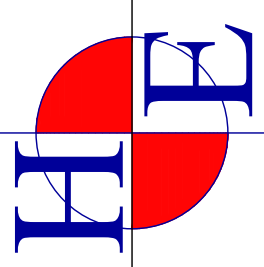


HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonenr.com



1. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF UTILITY ENTRIES
2. ELECTRICAL CONDUITS SHALL BE SCHEDULE 40 PVC AND INSTALLED AT 24"-30" BELOW FINISHED GRADE. CONTRACTOR SHALL PROVIDE AND INSTALL A 200-LB TEST PULL STRING IN ALL TELEPHONE CONDUITS. WHEN A PULL BOX IS REQUIRED IN PAVED AREAS IT SHALL BE H-20 TRAFFIC RATED. "LB" FITTINGS ARE NOT ALLOWED.
3. CONTRACTOR SHALL STUB CONDUIT AND WIRING TO PYLON SIGN. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND REQUIREMENTS.
4. MAINTAIN A MINIMUM 10' HORIZONTAL OR 18" VERTICAL SEPARATION AT ALL WATER AND SEWER CROSSINGS. SEE DETAIL 9/D3.0.
5. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING ELECTRICAL PLANS.
6. 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.
7. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO MDOT SPECIFICATIONS.
8. CLEANOUTS ARE REQUIRED AT ALL CHANGES IN DIRECTION AND AT INTERVALS LESS THAN 75 FEET. ALL SEWER SERVICE CLEANOUTS LOCATED WITHIN IMPERVIOUS AREAS SHALL BE TRAFFIC RATED.
9. UTILITY OWNERS:
 - A. WATER - CITY OF OLIVE BRANCH (CONTACT - 662-893-5208)
 - B. SANITARY SEWER - CITY OF OLIVE BRANCH (CONTACT - 662-541-5407)
 - C. ELECTRIC POWER - NORTHCENTRAL ELECTRIC (CONTACT - 662-895-2151)
 - D. TELECOM - AT&T (1-888-944-0447)
 - E. NATURAL GAS - CITY OF OLIVE BRANCH (662-893-5209)

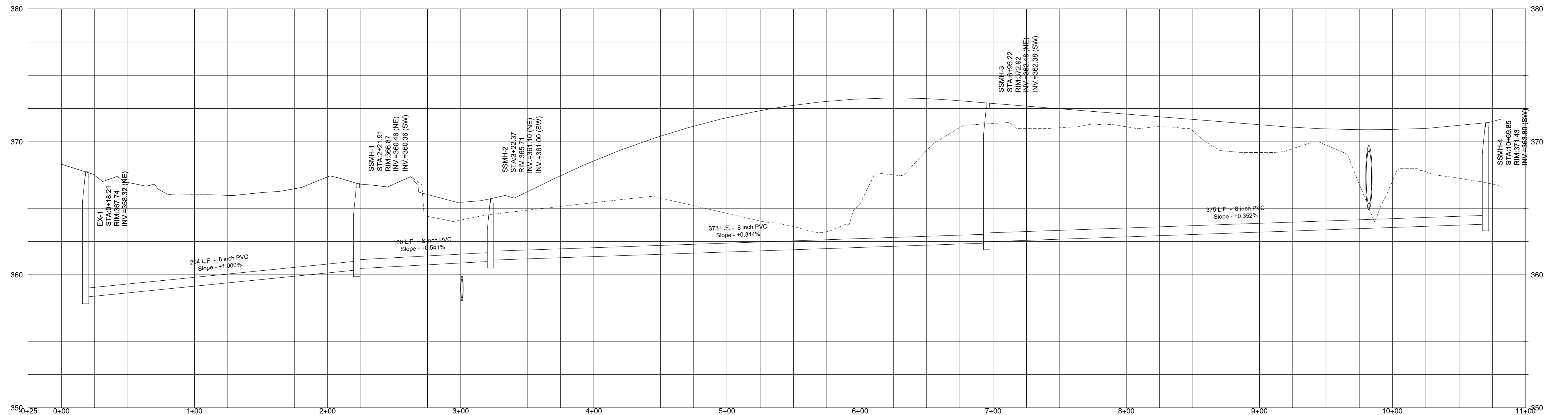
1 SITE UTILITY PLAN
19 - C7.0 SCALE: 1" - 30'



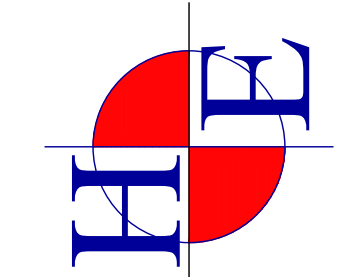
**RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER**

77740 HWY178, OLIVE BRANCH, MS 38654
SITE UTILITY PLAN

VERIFICATION SCALES	SCALE: AS SHOWN
BAR IS ONE INCH ON DRAWING	JOB NO.: 222-157.015
DATE OF PLOT AND THIS SHEET JANUARY	DATE: JUNE 2022
DESIGNED BY VERIFICATION SCALES	DSGN: B. HOUSTON
	DWG. BY: A.R. MCCACHREN
	CHK.: B. HOUSTON
	APVD.: B. HOUSTON



HOUSTON ENGINEERING
Engineering, Surveying, and Environmental Services
P.O. Box 3087
Oxford, Mississippi 38655
Phone: (662) 647-1312
E-mail: byron@houstonengr.com



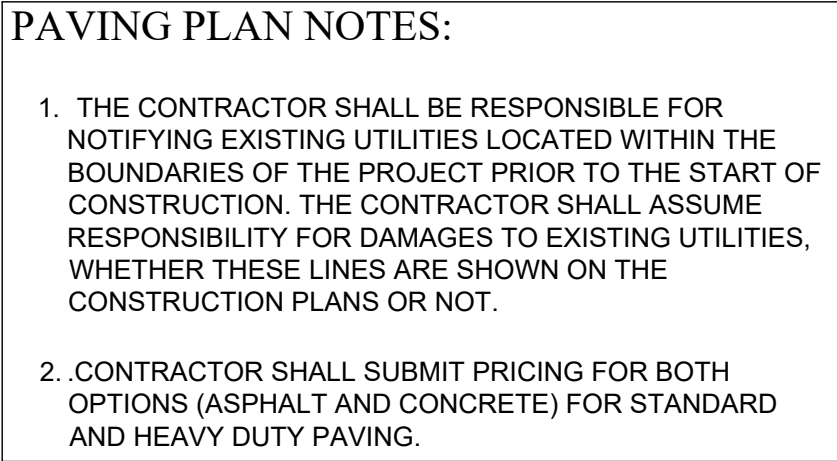
**RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER**

7740 HWY178, OLIVE BRANCH, MS 38654
SANITARY SEWER PLAN & PROFILE

VERIFY SCALES IF THE ORIGINAL ORIGINAL DRAWING IS NOT AVAILABLE THIS SHEET ADJUST SCALES ACCORDINGLY	SCALE: AS SHOWN JOB NO.: 222-157.015 DATE: JUNE 2022 DSGN.: B. HOUSTON DWG. BY: A.R. MCCACHREN CHK.: B. HOUSTON APPD.: B. HOUSTON
---	---

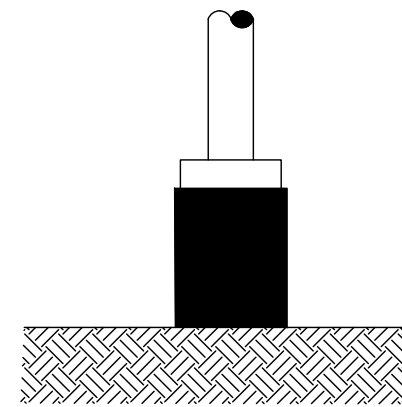
C7.1
SHEET 20 OF 30

[illegible]



SHEET 21 OF 30

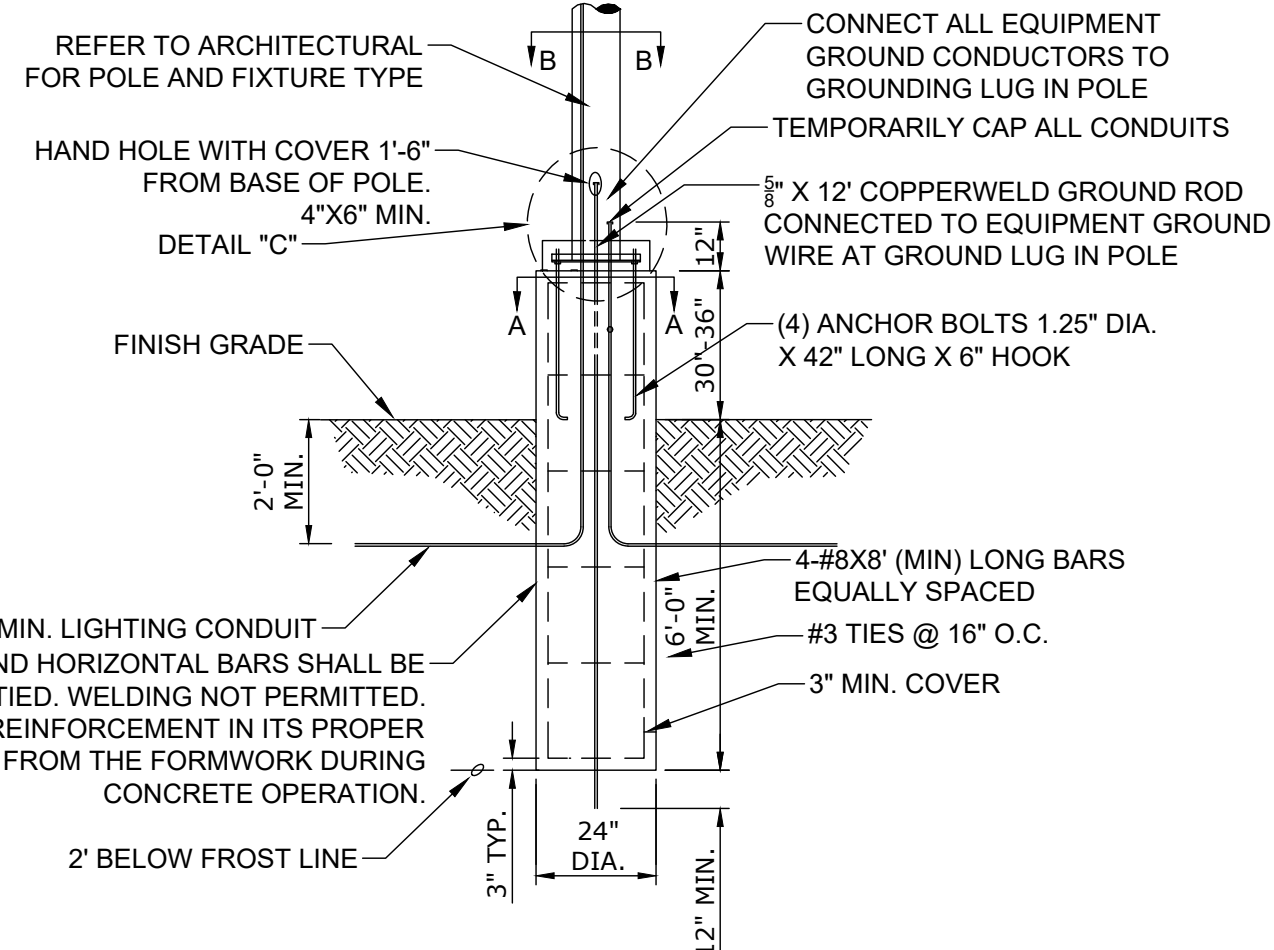




SECTION A-A

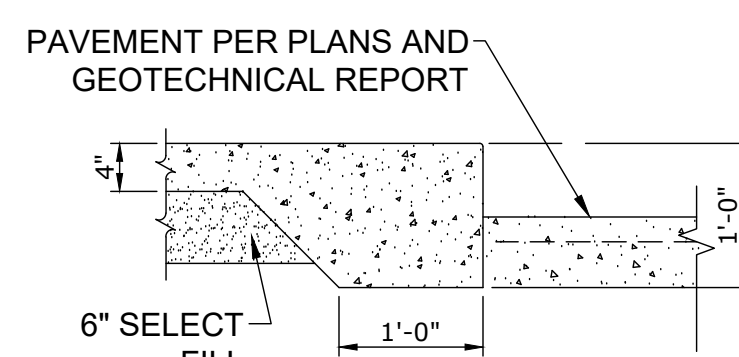
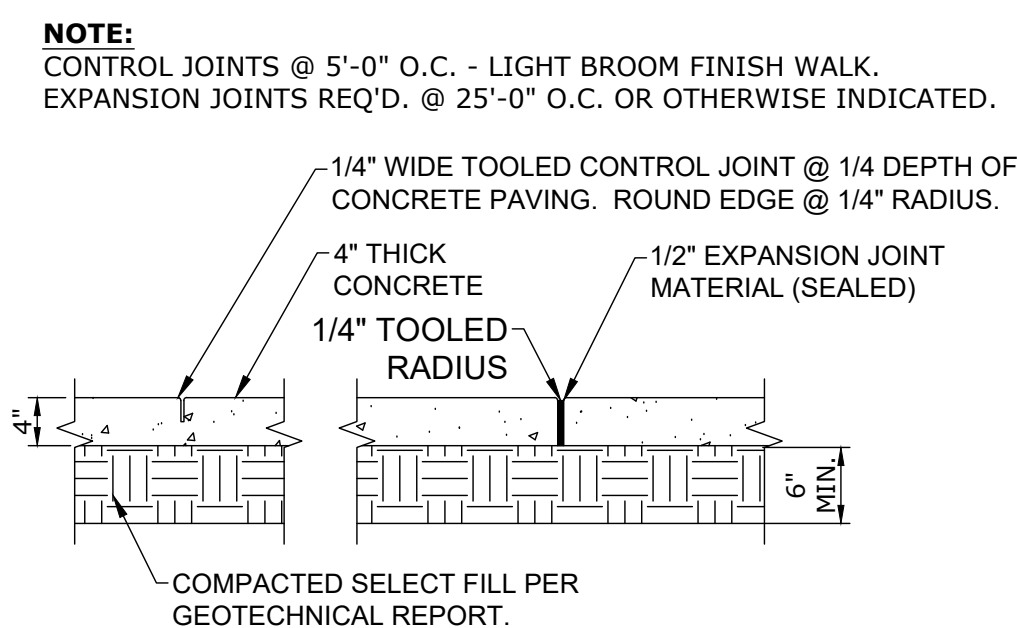


ELEVATION



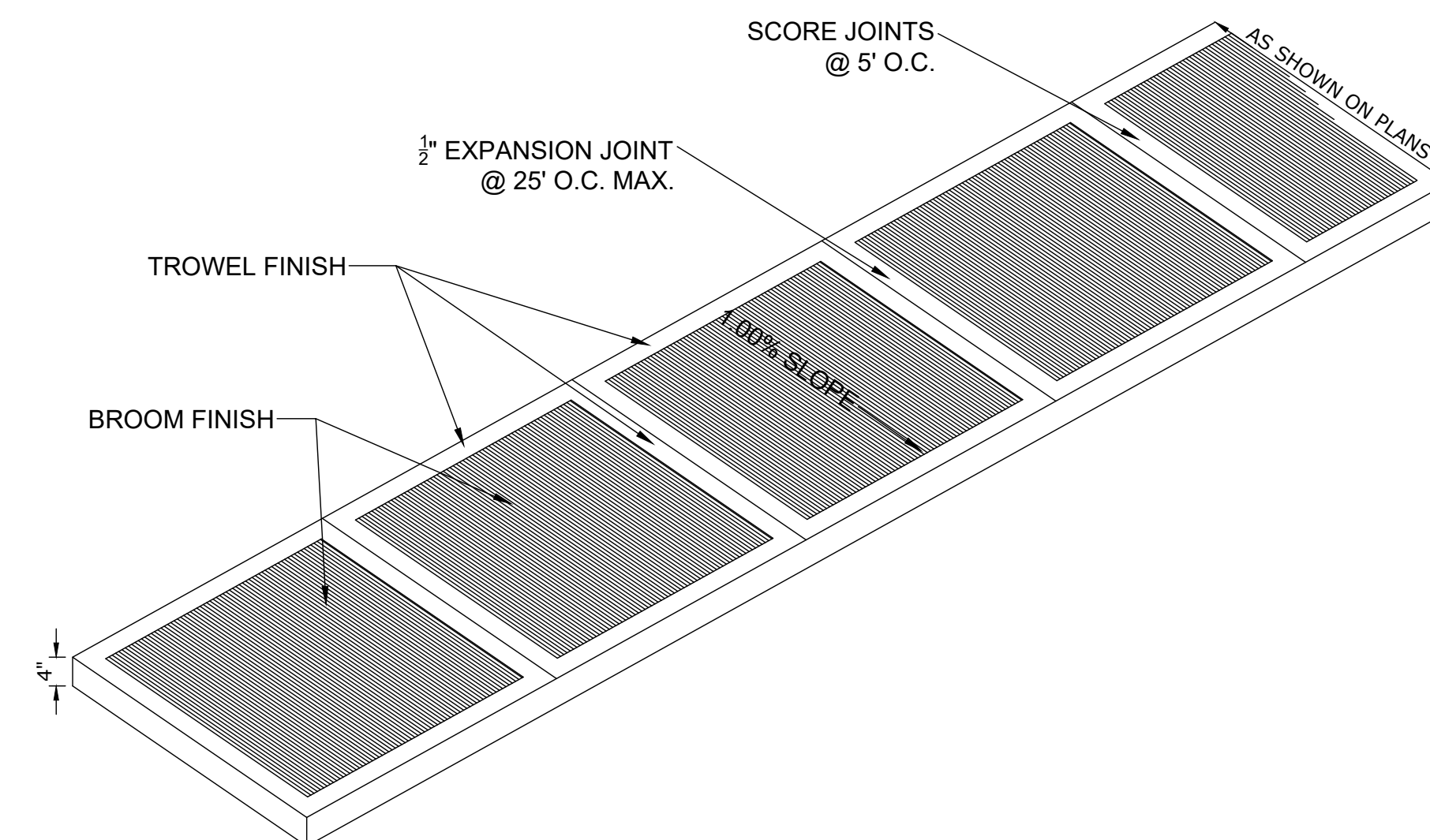
1 LIGHT POLE FOUNDATION
D3.0 SCALE: N.T.S.

- NOTES:
1. 3,500 PSI MIN. 28-DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 REINFORCING STEEL.
2. FOUNDATION EXCAVATION SHALL BE AUGERED WITH A 24" DIAMETER BIT IN UNDISTURBED OR PROPERLY COMPACTED FILL PER SPECIFICATIONS. GROUNDWATER SHALL BE REMOVED PRIOR TO PLACEMENT OF CONCRETE.
3. FOUNDATION SHALL HAVE A MINIMUM ALLOWABLE END BEARING OF 10,000 PSF
4. FOUNDATION HAS BEEN DESIGNED FOR A COHESIVE SOIL BASED ON A MIN. COHESIVE VALUE OF 1,000 PSF.
5. FOUNDATION HAS BEEN DESIGNED FOR A GRANULAR SOIL BASED ON A MIN. LATERAL SOIL PRESSURE OF 1,000 PSF, UTILIZING AASHTO FIGURE 1.8.2C(4) OF "EMBEDMENT OF POSTS WITH OVERTURNING LOADS".
6. DETAIL FOR 39" POLE WITH MAX. FIXTURE EPA 4.6 S.F.
7. LIGHT POLE BASE FOUNDATION SHALL BE CAST-IN-PLACE. PRE-CAST LIGHT POLE BASE FOUNDATIONS WILL NOT BE ACCEPTED.



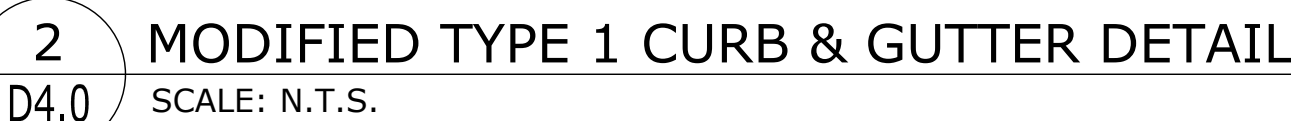
6 SIDEWALK DETAILS

D3.0 SCALE: N.T.S.



6 SIDEWALK DETAILS

D3.0 SCALE: N.T.S.

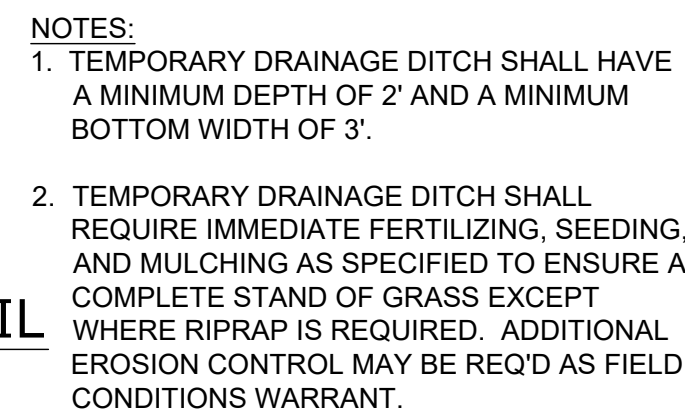


-
- PROFILE VIEW**

1 STABILIZED CONSTRUCTION ENTRANCE DETAILS



- 6 PLAN OF CURB TRANSITION DETAIL TO SS-2 INLET
D4.0 SCALE: N.T.S.



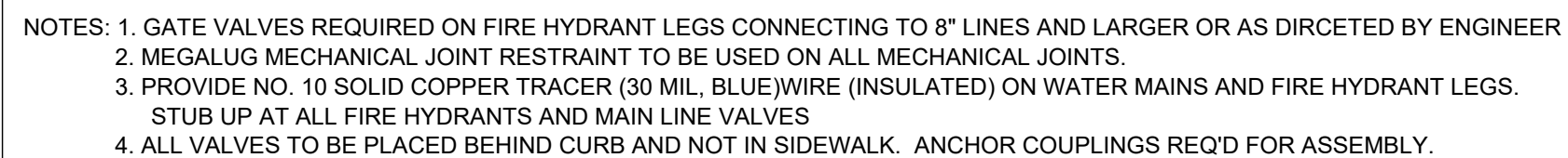
The trench width must be wide enough to accommodate compaction equipment.

9 TRENCH CROSS-SECTION
D4.0 SCALE: N.T.S.

- NOTES:**
- 1. MATERIALS**
- THERMOPLASTIC PIPE**
POLYETHYLENE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294, LATEST EDITION.
DESIGNATION OF TYPE: TYPE S: THIS PIPE WILL HAVE A FULL CIRCULAR CROSS SECTION, WITH AN OUTER CORRUGATED PIPE WALL AND A SMOOTH INNER LINER.
- BEDDING MATERIAL AND STRUCTURAL BACKFILL**
BEDDING AND STRUCTURAL BACKFILL SHALL MEET THE REQUIREMENTS OF TABLE 1.
- 2. JOINTS**
- JOINTS FOR THERMOPLASTIC PIPE SHALL MEET THE PERFORMANCE REQUIREMENTS OF SOIL TIGHTNESS UNLESS WATER TIGHTNESS IS SPECIFIED.
- SUITABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF CONNECTIONS:
- A) CORRUGATED BANDS (WITH OR WITHOUT GASKETS)
B) BELL AND SPIGOT PIPE ENDS (WITH OR WITHOUT GASKETS)
C) DOUBLE BELL COUPLINGS (WITH OR WITHOUT GASKETS)
- 3. INSTALLATION**
- MINIMUM TRENCH WIDTHS SHALL MEET THE REQUIREMENTS OF TABLE 2.
- THE MIDDLE THIRD OF THE BEDDING MATERIAL UNDER THE PIPE SHOULD BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99.
- STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING AN 8 INCH LOOSE LIFT THICKNESS AND BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE TO AN ELEVATION NOT LESS THAN 12 INCHES ABOVE THE TOP OF THE PIPE. A MINIMUM COMPACTION LEVEL OF 90% STANDARD COMPACTION DENSITY PER AASHTO T 99 SHALL BE ACHIEVED.

AASHTO GROUP CLASSIFICATION	A-1		A-3	A-2	
	A-1-a	A-1-b		A-2-4	A-2-5
SIEVE ANALYSIS, PERCENT PASSING: 2.00 MM (NO. 10) 0.425 MM (NO. 40) 0.075 MM (NO. 200)	50 MAX 30 MAX 15 MAX	--- 50 MAX 25 MAX	--- 51 MIN 10 MAX	--- --- 35 MAX	--- --- 35 MAX
CHARACTERISTICS OF FRACTION PASSING 0.425 MM (NO. 40) LIQUID LIMIT PLASTICITY INDEX	--- 6 MAX		--- NP	40 MAX 10 MAX	41 MIN 10 MAX
USUAL TYPE OF SIGNIFICANT CONSTITUENT MATERIALS	STONE FRAGMENTS, GRAVEL AND SAND		FINE SAND	SILTY OR CLAYEY GRAVEL AND SAND	
MDOT GRANULAR MATERIAL DESIGNATION (SECTION 703.07)	CLASS 1&2, GROUP A	CLASS 3&4, GROUP A		CLASS 5&6, GROUP C	

8 HDPE PIPE BEDDING DETAILS



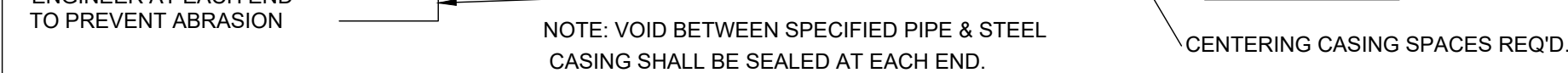
4 FIRE HYDRANT ASSEMBLY
D6.0 SCALE: N.T.S.

3 TYPICAL CREEK CROSSING FOR P.V.C. PIPE
D6.0 SCALE: N.T.S.

NOTE: 1. RIP-RAP REQUIRED ON ALL CREEK CROSSINGS
2. MEGALUG MECHANICAL JOIN RESTRAINT
TO BE USED ON ALL MECHANICAL JOINTS.



2 TYPICAL CREEK CROSSING FOR DUCTILE IRON PIPE
D6.0 SCALE: N.T.S.



1 TYPICAL ROAD BORE
D6.0 SCALE: N.T.S.

10 TYPICAL BLOW-OFF ASSEMBLY
D6.0 SCALE: N.T.S.

9 TYPICAL STREET REPAIR
D6.0 SCALE: N.T.S.

NOTE: ANCHOR COUPLINGS REQ'D
AT ALL VERTICAL BENDS.

TEE

PLUGGED TEE

VERTICAL BEND

90° BEND
(PSI CONCRETE REQUIRED)

8 TYPICAL SERVICE ASSEMBLY
D6.0 SCALE: N.T.S.

NOTE:
TRACER WIRE TO BE PLACED
ON ALL SERVICE LINES
2" AND LARGER REQUIRED.

FOR DUCTILE IRON PIPE

5 TYPICAL AIR RELEASE VALVE & MANHOLE
D60 SCALE: N.T.S.

6 SERVICE CONNECTIONS
D6.0 SCALE: N.T.S.



-

**RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER**

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

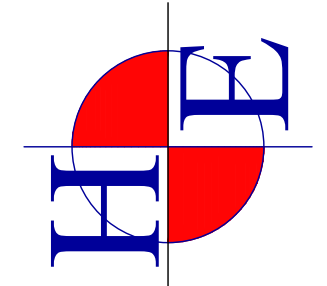
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

0 1"

D7.0

SHEET 29 OF 30

PROPRIETARY RIGHTS CLAUSE: INFORMATION AND DATA CONTAINED ON THIS DRAWING IS CONFIDENTIAL. IF GIVEN TO AN ENTITY NOT HAVING A CONTRACTUAL RELATIONSHIP WITH THE ENGINEER, THE INFORMATION SHALL NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION. THIS LEGEND SHALL BE MARKED ON ANY REPRODUCTIONS HEREIN IN WHOLE OR IN PART. HOUSTON ENGINEERING © COPYRIGHT 2005



RAN MANAGEMENT COMPANY, LLC
HWY 178 FUEL CENTER

7740 HWY178, OLIVE BRANCH, MS 38654
TYPE B SILT BASIN DETAIL

SCALE: AS SHOWN

JOB NO.: 222-157.015

DATE: JUNE 2022

DSGN.: B. HOUSTON

DWG. BY: A.R. MCCACHREN

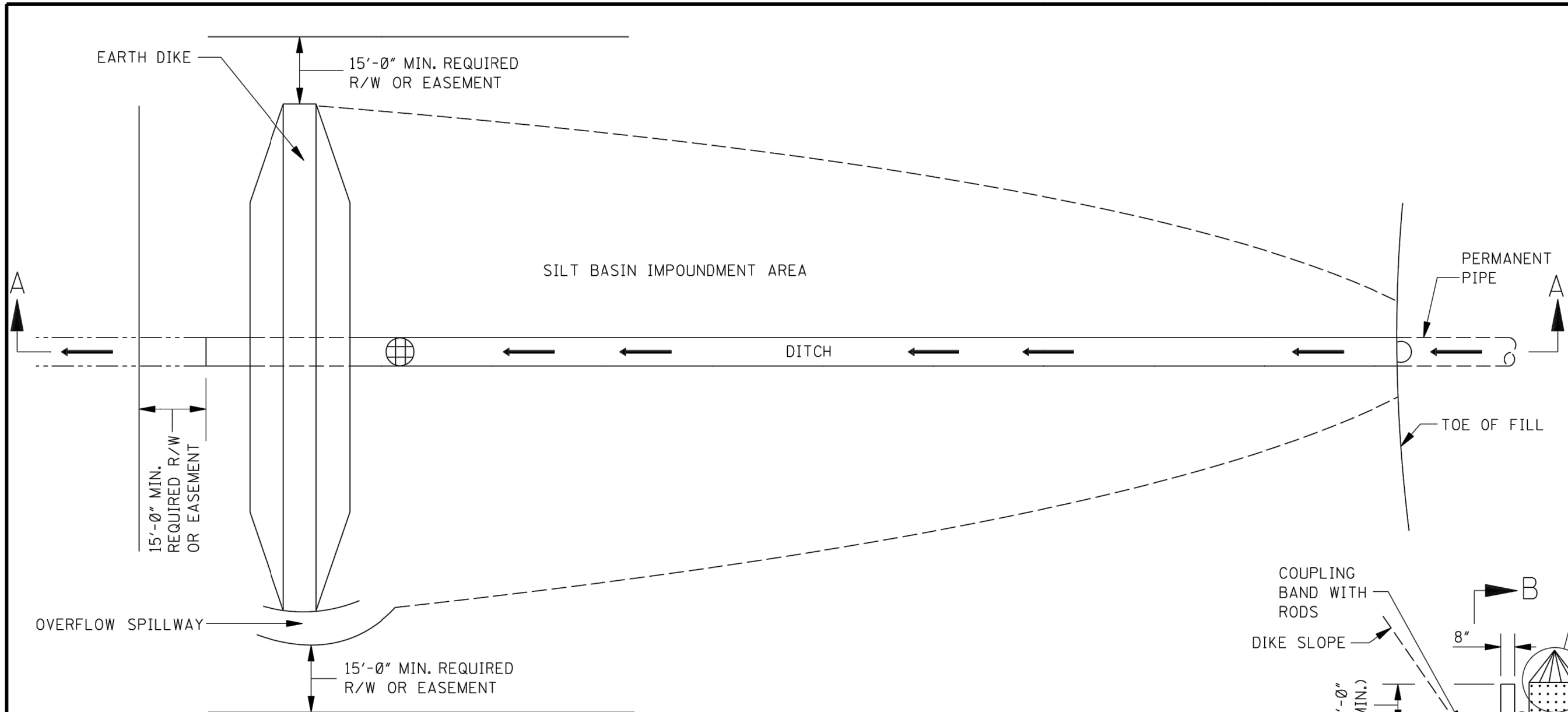
CHK.: B. HOUSTON

APVD.: B. HOUSTON

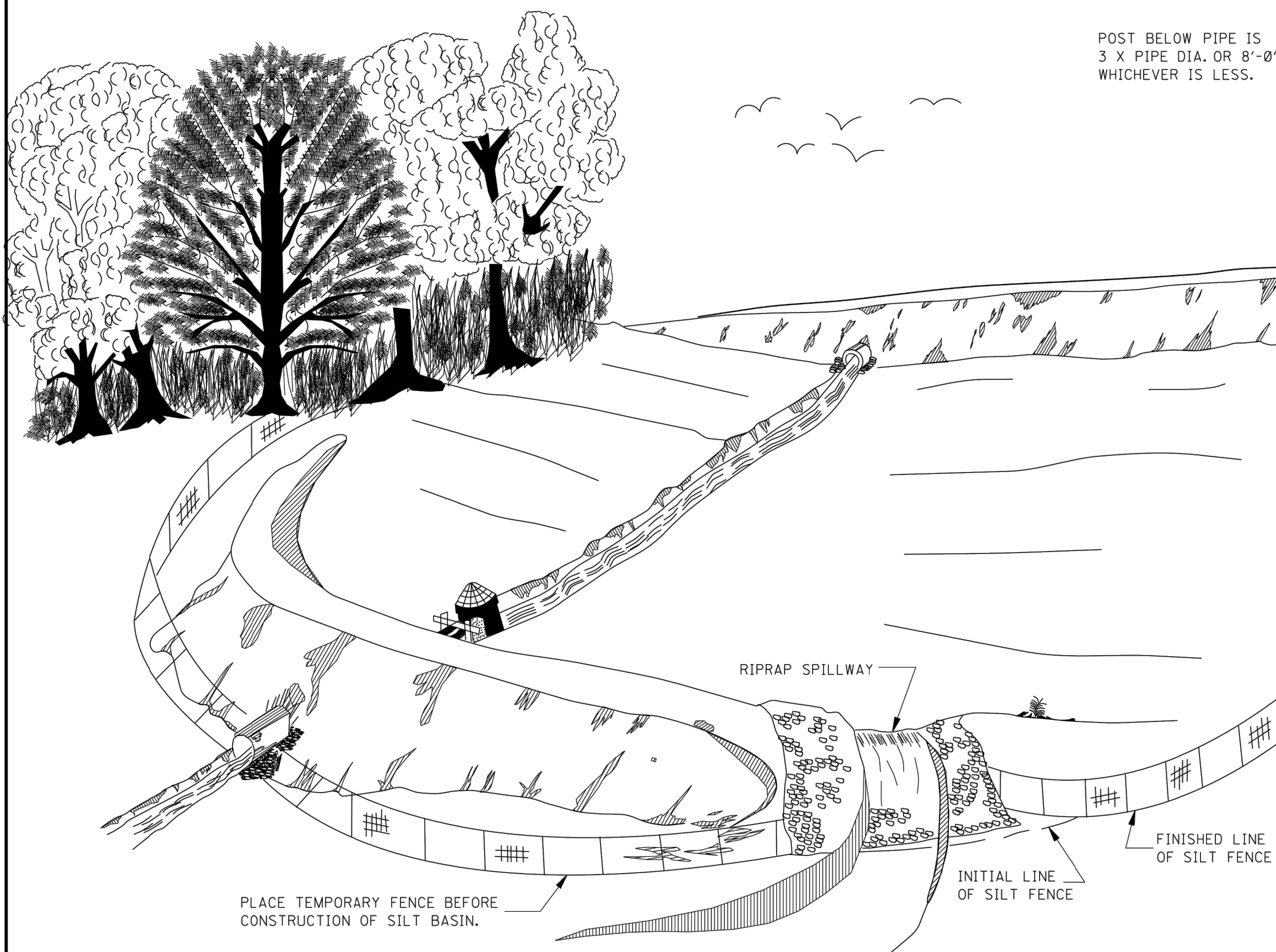
VERIFY SCALES
BAS IS ONE INCH ON
ORIGINAL DRAWING
DIMENSIONS SHOWN
ON THIS SHEET ARE
AS SHOWN ON THIS SHEET

D8.0

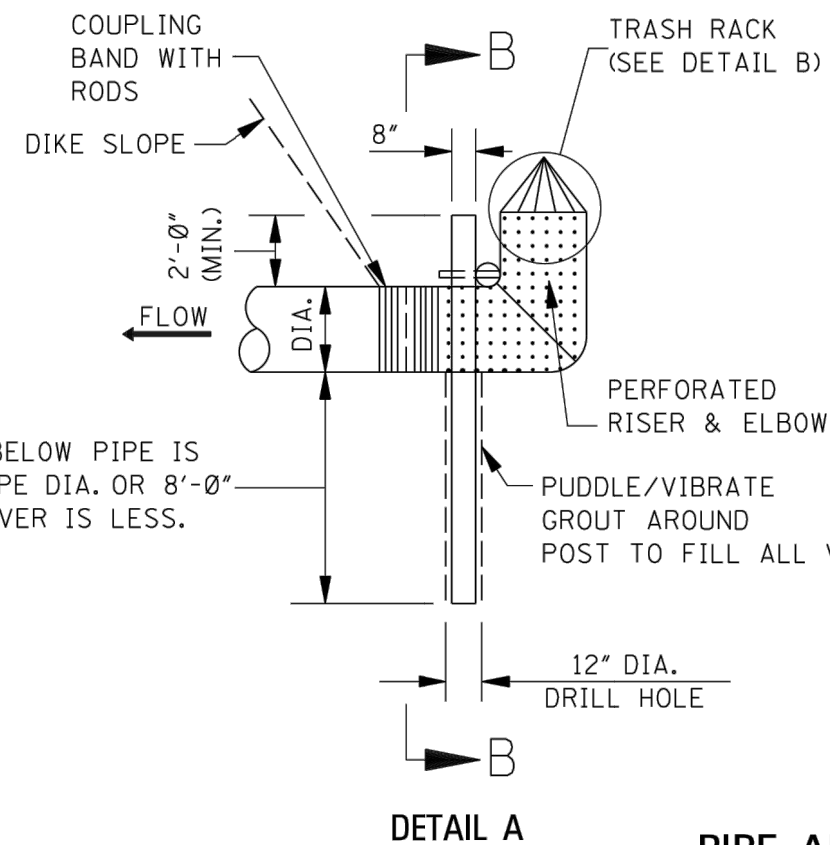
SHEET 30 OF 30



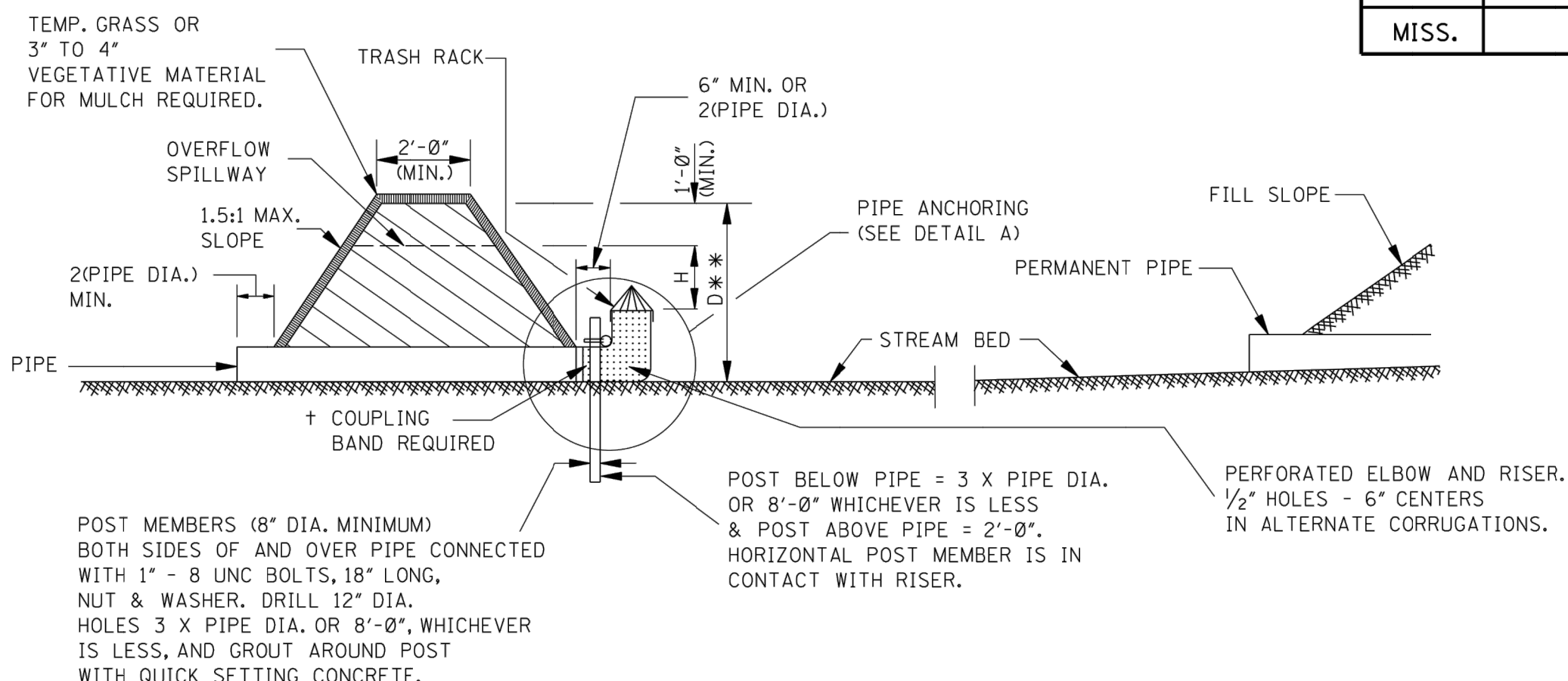
PLAN



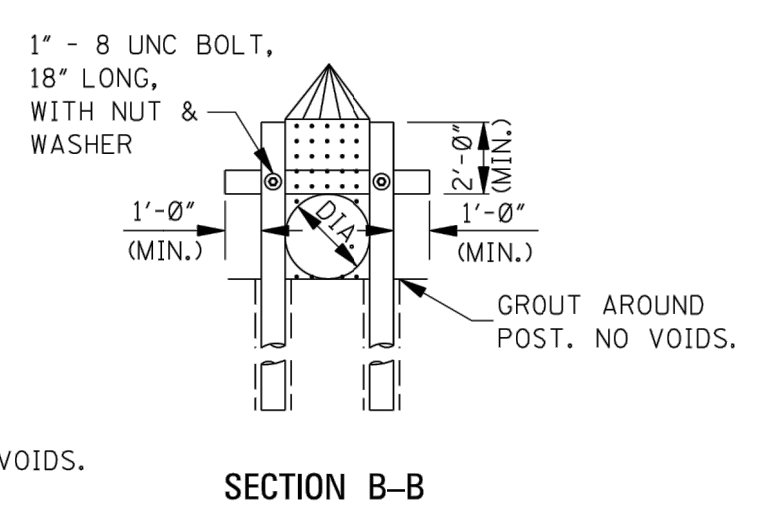
TEMPORARY SILT BASIN (TYPE B)



DETAIL A



SECTION A-A



SECTION B-B

PIPE ANCHORAGE

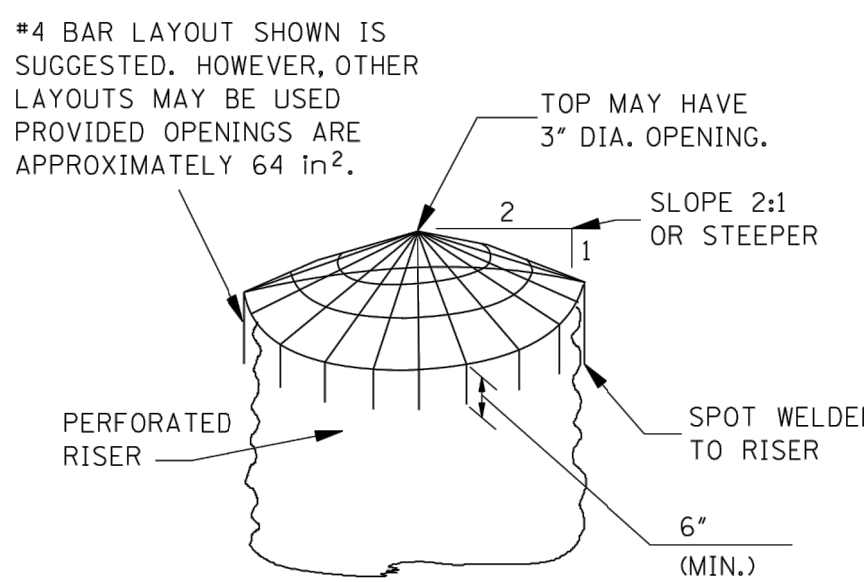
GENERAL NOTES:

- PROVIDE OVERFLOW SPILLWAY IN NATURAL GROUND AT A MINIMUM OF 1'-0" BELOW TOP OF DIKE. CROSS-SECTIONAL AREA OF SPILLWAY IS EQUAL TO 1.5 TIMES THE AREA OF THE OUTLET PIPE MINIMUM. RIPRAP SHALL BE REQUIRED AT THE SPILLWAY. AFTER THE PURPOSE OF THE SILT BASIN HAS BEEN SERVED, THE DIKE AND RIPRAP MAY REMAIN IN PLACE AT THE DISCRETION OF THE ENGINEER, BUT THE DRAIN PIPE WITH RISER SHALL BE REMOVED AND THE NEWLY DISTURBED ARE REVEGETATED.
- BASIN AND DIKE DIMENSIONS DO NOT REQUIRE CONSTRUCTION TO NEAT LINES.
- THE SILT BASIN MAY BE CONSTRUCTED IN ANY SHAPE WITH THE DIKE EXTENDING ALONG ONE OR MORE SIDES AS LONG AS THE LENGTH MEASURED IN THE DIRECTION OF FLOW IS APPROXIMATELY TWICE THE WIDTH AND THE IMPOUNDMENT AREA AND DEPTH AT LEAST AS LARGE AS INDICATED.
- MINIMUM DIMENSIONS FOR SILT BASIN (TYPE B) ARE AS FOLLOWS:

PIPE	* * D (ft.-in)	H (ft.-in)	* AREA (ft ²)	LENGTH (in)	COUPLING RODS/SIDE
15"	4'-0"	1'-0"	310	12"	2 & 2
18"	5'-0"	1'-0"	550	12"	2 & 2
24"	5'-0"	1'-0"	1100	12"	2 & 2
30"	6'-0"	1'-6"	1850	24"	3 & 3
36"	6'-0"	1'-6"	2800	24"	3 & 3
42"	7'-0"	2'-0"	4200	24"	3 & 3
48"	8'-0"	2'-0"	6200	24"	3 & 3

NOTES:

- * 1. IMPOUNDMENT SURFACE AREAS ARE MEASURED AT ELEVATION OF TOP OF ELBOW RISER.
- * * 2. RISER REQUIRED WHERE MINIMUM "D" DIMENSION IS EXCEEDED. LENGTH OF RISER IS EQUAL TO THE AMOUNT THAT MINIMUM "D" DIMENSION IS EXCEEDED.
- + 3. COUPLING RODS TO BE 1/2" DIAMETER MINIMUM WITH LUGS.



DETAIL B
TRASH RACK INSTALLATION

- IN SELECTING BASIN SIZE, CONSIDERATION MUST BE GIVEN TO THE AREA DISCHARGING INTO THE BASIN OTHER THAN THAT WHICH COMES THROUGH THE PIPE UNDER THE ROADWAY. THIS WILL AT TIMES NECESSITATE A LARGER BASIN AND OUTLET PIPE SECTION.
- THE DIKE SHALL BE CONSTRUCTED OF A MATERIAL SUITABLE FOR ROADWAY EMBANKMENT.
- SILT BASIN (TYPE B) REQUIRED AT LOCATION(S) INDICATED ON PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES NECESSARY TO CONTROL SILTATION.
- THE USE OF THE TEMPORARY EROSION CONTROL MEASURE SHOWN ON THIS SHEET WILL ONLY BE REQUIRED AND MEASURED FOR SEPARATE PAYMENT WHEN AN APPROPRIATE PAY ITEM IS INCLUDED IN THE BID SCHEDULE OF THE PROPOSAL.
- RIPRAP AND TEMPORARY SILT FENCE, USED IN CONJUNCTION WITH TYPE B SILT BASINS AS SHOWN BY THE DETAILS ON THIS SHEET, WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR TYPE B SILT BASIN.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**TYPICAL TEMPORARY
EROSION CONTROL
MEASURES
(TYPE B SILT BASIN)**

WORKING NUMBER
BAS-B

SHEET NUMBER
6126

ISSUE DATE: AUGUST 01, 2017

1 TYPE B SILT BASIN
D8.0 SCALE: N.T.S.

Rev. No.
A

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.