

TIER 3 CATEGORICAL EXCLUSION


**AHTD JOB NUMBER 100824
FAP Number STM-TDG6(1)
BNSF Railroad Overpass (Jonesboro)
Craighead County, Arkansas**

Submitted Pursuant to 42 U.S.C. 4332(2)
By the
U.S. Department of Transportation
Federal Highway Administration
And the
Arkansas State Highway and Transportation Department

Prepared by
Kimley-Horn and Associates, Inc.
Memphis, TN

January 28, 2016

2/11/2016
Date of Approval



Randal Looney
Environmental Specialist
Federal Highway Administration

The AHTD Environmental Division has reviewed the referenced project and it falls within the definition of the Tier 3 Categorical Exclusion as defined by the AHTD/FHWA Memorandum of Agreement on the processing of Categorical Exclusions.

The Highway 18 corridor in Jonesboro, Arkansas is a heavily travelled principal arterial roadway. The surrounding land uses are a mix of residential, commercial, and industrial developments. The intersection of Highway 18 with the BNSF Railroad crossing currently operates at a Level of Service "D". There are approximately 34 trains per day utilizing the at-grade crossing, following no set timetable and often stopping on the crossing for up to 50 minutes at a time. The intersection ceases to operate at these times, and causes significant delay for both motorists and emergency vehicles.

The purpose of the proposed railroad overpass is to eliminate vehicle conflicts and delays at the existing Highway 18 railroad crossing and to provide emergency service vehicles an unimpeded path across the tracks. Total length of the project is approximately 0.5 miles along Highway 18, and includes improvements to multiple side roads and a new bridge structure over the BNSF Railroad at Watt Street. A project location map is attached (Attachment A).

The existing roadway consists of four 11-foot travel lanes with a 12-foot center turn lane with curb and gutter shoulders. Sidewalks are present on both sides of Highway 18 throughout most of the project corridor, with widths varying from 4-6 feet. Existing right of way width also varies, ranging from 80-120 feet.

Proposed improvements along Highway 18 include four 11-foot travel lanes with a 12-foot center turn lane with 6-foot wide sidewalks and a new bridge over the BNSF Railroad. Watt Street will be reconstructed with two 12-foot wide paved travel lanes and a 6-foot wide pedestrian sidewalk on the west side, along with a new bridge structure over the BNSF Railroad.

Minor improvements are proposed for several adjacent roadways. Nettleton Avenue will be realigned slightly to the south to allow for the Watt Street overpass to be constructed with acceptable approach slopes. Irby Street and Arch Street will be realigned in order to maintain their access to Highway 18 east of the new Highway 18 bridge location. Cain Street will be widened, new curb and gutter installed, and a new traffic signal will be installed at the intersection of Cain Street and Nettleton Avenue. The various improvements can be viewed in Attachment I.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2018	15,000	5	40 mph
2038	17,000	5	40 mph

Approximately 5.96 acres of permanent right of way are required for the project, along with approximately 0.75 acres of temporary construction easements. There are a total of 11 relocations associated with the proposed improvements. The relocations consist of 1 residential owner, 1 residential tenant, 6 business owners, and 3 business tenants. A summary of the impacted properties is attached (Attachment E). Public Law 91-646, *Uniform Relocation Assistance Act of 1970*, as amended, will apply with respect to the required permanent right of way and temporary construction easements.

The FHWA Traffic Noise Model (TNM 2.5) was used to perform an assessment of the predicted noise impacts occurring within 500 feet of the proposed improvements. Noise sensitive receptors were evaluated using both the base year (2018) and design year (2038) traffic volumes. None of the noise sensitive receptors located along the proposed project corridor are predicted to experience noise impacts resulting from noise levels that approach or exceed 67 dB(A) during the design year. The Noise Assessment is attached (Attachment F).

A Cultural Resources survey was performed on all properties impacted by the proposed improvements as defined by the project map in Attachment A. The project was coordinated with the Arkansas Historic Preservation Program and appropriate Native American tribal authorities (Attachments C and D). A Cultural Resources clearance is found in Attachment C. There are no Executive Order 12898 Environmental Justice issues, prime farmlands, or 4(f)/6(f) properties involved with this project.

A records search identified two leaking underground storage tank sites within the project corridor. These gas stations are: The Market #19 located at 3915 E Highland Avenue, and Jordan's Kwik Stop #31 located at 4502 E Nettleton Drive. Record summaries (Attachment H) show that the sites are still under ADEQ compliance measures. A Discovery Special Provision will be added to the contract to address actions to be taken if contamination is encountered during construction.

No streams or natural wetlands were identified in the project area. A man-made wetland that is serving as a Stormwater BMP will have to be relocated in the vicinity of the intersection of Watt Street and Highway 18. Construction work will require a Nationwide 404 permit, a 401 Water Quality Permit, and a Short-Term Activity Authorization.

Correspondence from the U.S. Fish and Wildlife Service dated January 11, 2016 indicates that there are four protected species known to occur in the region: Fat Pocketbook mussel (*Potamilus capax*), Pondberry (*Lindera melissifolia*), Scaleshell mussel (*Leptodea leptodon*) and the Bald Eagle (*Haliaeetus leucocephalus*). However, due to the lack of available habitat within the project area, the nature and footprint of the proposed improvements, and observations made during site visits, the determination has been made that the project will have no effect on threatened or endangered species.

A Public Involvement Meeting was held on October 15, 2015. A synopsis of this meeting is attached, (Attachment G).

The following commitments have been made in respect to the project:

- Appropriate Section 404 and 401 Water Quality permits will be obtained prior to disturbances of any jurisdictional waters of the US.
- A Short Term Activity Authorization will be obtained from ADEQ prior to construction activities.
- A Storm Water Pollution Prevention Plan will be developed and a local NPDES permit obtained prior to construction activities.
- Implementation of a Discovery Special Provision in case hazardous materials are impacted by the project.



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

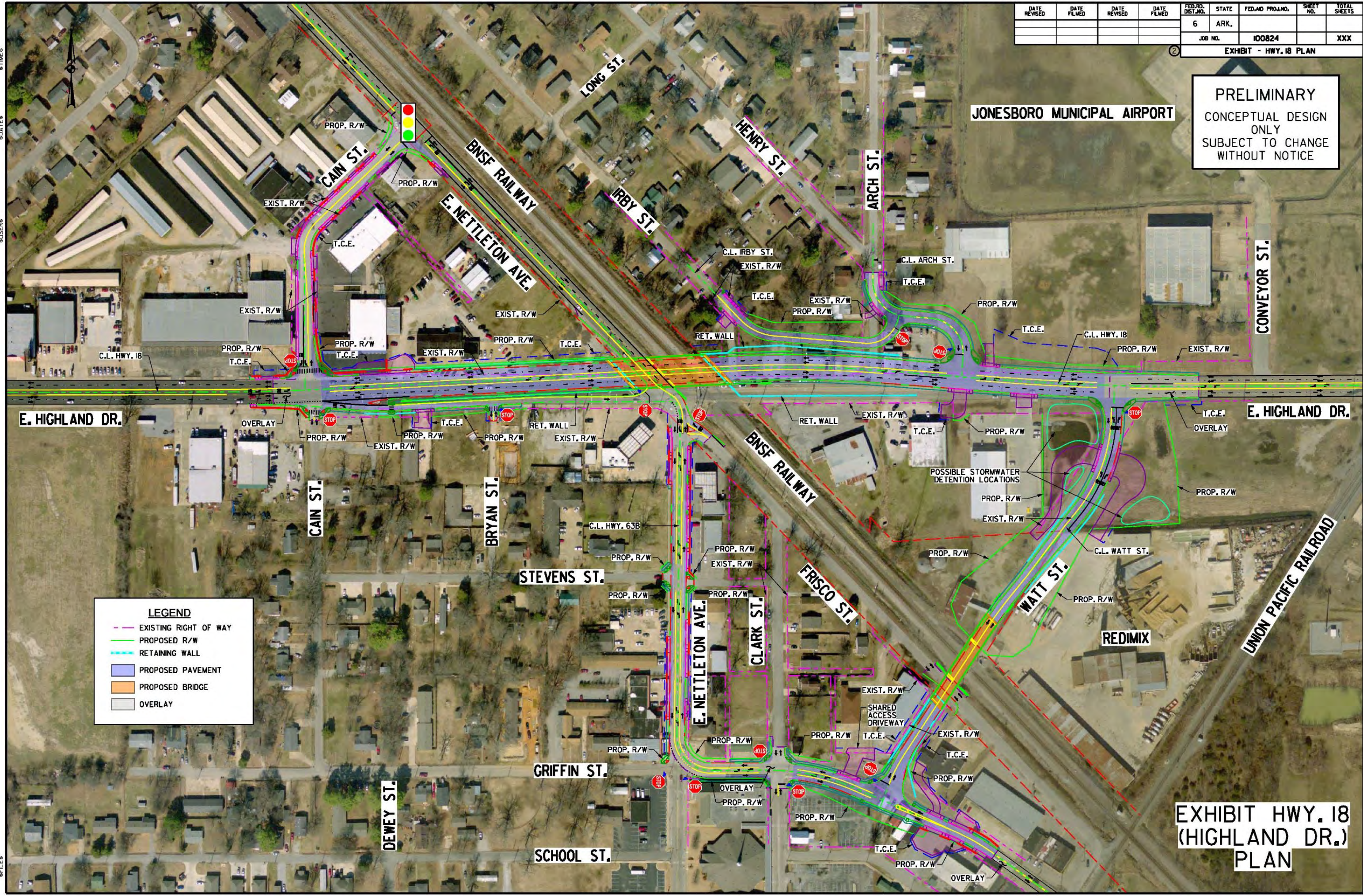
Attachment A

Project Location Map

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	100824			XXX

EXHIBIT - HWY. 18 PLAN

PRELIMINARY
CONCEPTUAL DESIGN
ONLY
SUBJECT TO CHANGE
WITHOUT NOTICE



LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED R/W
- RETAINING WALL
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- OVERLAY

**EXHIBIT HWY. 18
(HIGHLAND DR.)
PLAN**

\$TIME\$
 \$DATE\$
 \$USER\$
 \$FILE\$



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment B

Environmental Impacts Assessment Form

AHTD ENVIRONMENTAL IMPACTS ASSESSMENT FORM

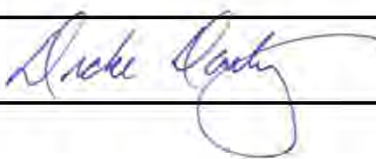
AHTD Job Number 100824 FAP Number ----

Job Title Highway 18 BNSF Railroad Overpass

Environmental Impacts	None	Minor	Significant	Comments
Air Quality	X			
Construction Impacts		X		
Cultural Resources	X			Correspondence attached
Economic	X			
Endangered Species	X			
Energy Resources	X			
Environmental Justice/Title VI	X			
Fish and Wildlife	X			
Floodplains	X			
Forest Service Property	X			
Hazardous Materials/Landfills	X			
Land Use Impacts	X			
Migratory Birds	X			
Navigation/Coast Guard	X			
Noise Levels	X			
Prime Farmland	X			
Protected Waters	X			
Public Recreation Lands	X			Correspondence attached
Public Water Supply/WHPA	X			
Relocates		X		
Section 4(f)/6(f)	X			
Social	X			
Underground Storage Tanks		X		LUST reported on two properties in the project
Visual Impacts	X			
Stream Impacts	X			
Water Quality		X		>1 acre Local NPDES permit required
Wetlands		X		
Wildlife Refuges	X			

Section 401 Water Quality Certification Required? YES
 Short-term Activity Authorization Required? YES
 Section 404 Permit Required? YES Type Nationwide

Remarks: _____

Signature of Evaluator  Date 01/13/2016



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment C

SHPO Clearance and Agency Coordination



92898
FHWA

May 1, 2015

Ms. Frances McSwain
Director
Arkansas Historic Preservation Program
323 Center Street
Suite 1500
Little Rock, AR72201

AHPP
MAY 05 2015

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Date 5/6/15
No known historic properties will be
affected by this undertaking. This
effect determination could change
Frances McSwain
Frances McSwain, Deputy State
Historic Preservation Officer

Request for Information

Dear Ms. McSwain:

The Arkansas State Highway and Transportation Department (AHTD) is conducting an environmental and location study and preparing environmental documentation for a proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas. We are requesting that you review the proposed project and notify us of any constraints or concerns you may have regarding the proposed project as identified on the attached map. We would appreciate your response within 30 days to help us maintain our project schedule.

As part of this study, we will be investigating the environmental, socioeconomic, and engineering issues related to the development of proposed improvements to the highway facility. Your participation will help ensure the production of a comprehensive environmental document.

If you have any questions regarding this request, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely yours,

Craig Light
City Engineer

Attachment

cc:
Don Nichols – AHTD-Environmental Division
Shahriar Azad – Bridgefamer and Associates, Inc.



THE DEPARTMENT OF ARKANSAS
HERITAGE

Asa Hutchinson
Governor

Stacy Hurst
Director

Arkansas Arts Council

*
Arkansas Natural Heritage
Commission

*
Delta Cultural Center

*
Historic Arkansas Museum

*
Mosaic Templars
Cultural Center

*
Old State House Museum



Arkansas Historic
Preservation Program



323 Center Street, Suite 1500
Little Rock, AR 72201

(501) 324-9880
fax: (501) 324-9184
tdd: 711

e-mail:

info@arkansaspreservation.org

website:

www.arkansaspreservation.com

An Equal Opportunity Employer

July 27, 2015

Mr. Craig Light
City Engineer
City of Jonesboro
Engineering Department
Municipal Center
PO Box 1845
300 S. Church Street
Jonesboro, AR 72401

RE: Craighead – Jonesboro
Section 106 Review – FHWA
Request for Technical Assistance
AHTD Job Number 100824
BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
AHPP Tracking Number 92898.1

Dear Mr. Light:

This letter is written in response to your inquiry regarding properties of architectural or historical significance in the area of the proposed referenced project. The staff of the Arkansas Historic Preservation Program has reviewed the documents that pertain to this undertaking.

We have determined the three (3) structures (4102 East Highland Drive, 206 East Highland Drive, and 4004 East Highland Drive) within the area of potential effect (APE) are not eligible for inclusion in the National Register of Historic Places. We agree that no known archeological sites are within the APE. However, because our survey files are incomplete, it is possible that such resources exist in the area. If a resource is encountered that appears to possess historical or architectural significance; or if human remains or artifacts, such as Native American pottery, stone tools, old bottles, or china are discovered during this project, work in the area of discovery should stop and this office should be contacted immediately. We will evaluate any such finds as expeditiously as possible.

The survey report details the fieldwork done for the proposed undertaking and is acceptable. Based on the information received, we concur that the proposed undertaking will have no effect on historic properties.

Thank you for the opportunity to review this undertaking. If you should have any questions or comments, please do not hesitate to contact Theresa Russell of my staff at (501)-324-9357. Please refer to the AHPP Tracking Number listed above in all correspondence.

Sincerely,



per Frances McSwain
Deputy State Historic Preservation Officer

cc: Mr. Randal Looney, Federal Highway Administration
Dr. Andrea Hunter, Osage Nation
Mr. Everett Bandy, Quapaw Tribe of Oklahoma
Ms. Kim Jumper, Shawnee Tribe of Oklahoma
Dr. Ann Early, Arkansas Archeological Survey



May 1, 2015

Mr. John Beneke, Director
Outdoor Recreation Grants
Arkansas Department of Parks and Tourism
One Capitol Mall
Little Rock, AR 72201

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Request for Information

Dear Mr. Beneke:

The Arkansas State Highway and Transportation Department (AHTD) and the City of Jonesboro would like to request information on Land and Water Conservation Fund (LWCF) grant assisted recreational sites protected by Section 6(f)(3) of the LWCF Act within the vicinity of the proposed project area. The proposed project involves the realignment of Highway 18 and construction a roadway bridge to provide grade separation between Highway 18 and the BNSF Railroad. Highway 18 will be reconstructed from Cain Street to Conveyor Street. Minor sideroads within the project corridor will be realigned or improved as necessary. The project is located in Craighead County Arkansas (see attached location map).

We would like to ensure these properties are avoided if possible during project development, design and construction. Any information you could provide would be appreciated. If further information is required, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely,

Craig Light
City Engineer

Attachment

cc:

Don Nichols – AHTD-Environmental Division
Shahriar Azad – Bridgefarmer and Associates, Inc.



Arkansas

THE NATURAL STATE

**DEPARTMENT OF
PARKS & TOURISM**

1 Capitol Mall
Little Rock, AR 72201
501-682-7777

Great River Road Division
501-682-1120
Arkansas.com

History Commission
501-682-6900 (TDD)
Ark-ives.com

Human Resources Section
501-682-7742 (TDD)

Keep Arkansas
Beautiful Division
501-682-3507 (TDD)
KeepArkansasBeautiful.com

State Parks Division
501-682-1191 (TDD)
ArkansasStateParks.com

Tourism Division
501-682-7777 (TDD)
Arkansas.com

Asa Hutchinson
GOVERNOR

Richard W. Davies
EXECUTIVE DIRECTOR

DIVISION DIRECTORS

Cynthia Dunlap
ADMINISTRATION

Greg Butts
STATE PARKS

Joe David Rice
TOURISM

Ron Maxwell
GREAT RIVER ROAD

Dr. Lisa Speer
HISTORY COMMISSION

Robert Phelps
KEEP ARKANSAS
BEAUTIFUL

May 15, 2015

Mr. Craig Light
City Engineer, Jonesboro
PO Box 1845
300 South Church
Jonesboro, Arkansas 72403

RE: Arkansas Highway & Transportation Dept.
AHTD/Jonesboro Hwy 18/BNSF
AHTD Job #100824 (Jonesboro)

Mr. Light:

Based on my understanding of the project area, this proposal does not appear to affect any areas currently under 6(f)(3) protection by way of the Arkansas Department of Parks & Tourism. If you feel that one or more areas that I have overlooked will be affected by the project, or have any other questions or concerns, please do not hesitate to contact me at 501-682-1227, or via email at matt.mcnaire@arkansas.gov.

Thank you for the opportunity to review this proposal, and please let me know if the proposal changes in substance or in scope.

Respectfully,

Matt McNair
Environmental Review Coordinator
Outdoor Recreation Grants Program



May 1, 2015

District Engineer
ATTN: CEMVM-CO-R
U.S. Army Corps of Engineers, Memphis District
167 North Main Street
Room B-202
Memphis, Tennessee 38103-1894

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Request for Information

Dear Sir or Madam:

The Arkansas State Highway and Transportation Department (AHTD) is conducting an environmental and location study and preparing environmental documentation for a proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas. We are requesting that you review the proposed project and notify us of any constraints or concerns you may have regarding the proposed project as identified on the attached map. We would appreciate your response within 30 days to help us maintain our project schedule.

As part of this study, we will be investigating the environmental, socioeconomic, and engineering issues related to the development of proposed improvements to the highway facility. Your participation will help ensure the production of a comprehensive environmental document.

If you have any questions regarding this request, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely yours,

Craig Light
City Engineer

Attachment

cc:

Don Nichols – AHTD-Environmental Division
Shahriar Azad – Bridgefarmer and Associates, Inc.



DEPARTMENT OF THE ARMY
MEMPHIS DISTRICT CORPS OF ENGINEERS
167 NORTH MAIN STREET B-202
MEMPHIS, TENNESSEE 38103-1894

June 2, 2015

Craig Light
City of Jonesboro
P.O. Box 1845
Jonesboro, Arkansas 72403

Dear Mr. Light:

This is in reference to the proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas, as shown on the attached map. Based on the information you provided, previous site visits conducted in the area and other information available to us, our preliminary jurisdictional determination (PJD) is that there may be waters of the U.S. (streams or other waters) within the proposed project area. The U.S. Army Corps of Engineers should be contacted when plans have been finalized for the project.

A PJD cannot be appealed. If you object to this PJD, please contact us for information about receiving an approved jurisdictional determination and information on the administrative appeals process. The PJD is included for your concurrence. If you agree with this PJD please sign the form and return it to the address listed above. If the PJD is not returned within 30 days of the date of this letter we will assume your concurrence. This determination is valid for 5 years from the date of this letter, unless new information warrants revision of the determination before the expiration date or unless the District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.

The Memphis District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to go to our Customer Service Survey found on our web site at <http://per2.nwp.usace.army.mil/survey.html>. Your comments, positive or negative, will not affect any current or future dealings with the Corps of Engineers.

If you have questions, please contact Josh Bright at (901) 544-0926 and refer to File No. MVM-2015-173.

Sincerely,

A handwritten signature in blue ink, appearing to read "Roger S. Allan".

Roger S. Allan
Chief, Western Section
Regulatory Branch

Enclosures

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

District Office	Memphis District	File/ORM #	MVM-2015-173	PJD Date:	May 15, 2015
State	AR	City/County	Craighead	Name/Address of Person Requesting PJD	Craig Light City of Jonesboro P.O. Box 1845 Jonesboro, Arkansas 72403
Nearest Waterbody:	Whiteman Creek Ditch				
Location: TRS, Lat/Long or UTM:	35.82103 -90.65142				
Identify (Estimate) Amount of Waters in the Review Area:	Name of Any Water Bodies on the Site Identified as Section 10 Waters:		Tidal:		
Non-Wetland Waters:	Stream Flow:	Non-Tidal:			
<input type="checkbox"/> linear ft <input type="checkbox"/> width <input type="checkbox"/> acres	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Office (Desk) Determination		Date of Field Trip: <input type="checkbox"/>	
Wetlands: <input type="checkbox"/> acre(s) Cowardin Class: <input type="checkbox"/> N/A	<input type="checkbox"/> Field Determination:				

SUPPORTING DATA: Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite quad name: Jonesboro
- USDA Natural Resources Conservation Service Soil Survey. Citation:
- National wetlands inventory map(s). Cite name:
- State/Local wetland inventory map(s):
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is:
- Photographs: Aerial (Name & Date): unknown
- Other (Name & Date):
- Previous determination(s). File no. and date of response letter:
- Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.


Signature and Date of Regulatory Project Manager (REQUIRED)

Signature and Date of Person Requesting Preliminary JD (REQUIRED, unless obtaining the signature is impracticable)

EXPLANATION OF PRELIMINARY AND APPROVED JURISDICTIONAL DETERMINATIONS:

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

Appendix A - Sites

District Office File/ORM # PJD Date:
State City/County Person Requesting PJD

Site Number	Latitude	Longitude	Cowardin Class	Est. Amount of Aquatic Resource in Review Area	Class of Aquatic Resource
1	35.82103	-90.65142	n/a	~500 linear ft	
			n/a		
			n/a		
			n/a		

Notes:



May 1, 2015

Dr. Ann M. Early
State Archaeologist
Arkansas Archaeological Survey
2475 North Hatch Road
Fayetteville, AR72704

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Request for Information

Dear Dr. Early:

The Arkansas State Highway and Transportation Department (AHTD) is conducting an environmental and location study and preparing environmental documentation for a proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas. We are requesting that you review the proposed project and notify us of any constraints or concerns you may have regarding the proposed project as identified on the attached map. We would appreciate your response within 30 days to help us maintain our project schedule.

As part of this study, we will be investigating the environmental, socioeconomic, and engineering issues related to the development of proposed improvements to the highway facility. Your participation will help ensure the production of a comprehensive environmental document.

If you have any questions regarding this request, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely yours,

Craig Light
City Engineer

Attachment

cc:

Don Nichols – AHTD-Environmental Division
Shahriar Azad – Bridgefamer and Associates, Inc.



May 1, 2015

Mr. Ryan Benefield
Deputy Director
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR72118-5317

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Request for Information

Dear Mr. Benefield:

The Arkansas State Highway and Transportation Department (AHTD) is conducting an environmental and location study and preparing environmental documentation for a proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas. We are requesting that you review the proposed project and notify us of any constraints or concerns you may have regarding the proposed project as identified on the attached map. We would appreciate your response within 30 days to help us maintain our project schedule.

As part of this study, we will be investigating the environmental, socioeconomic, and engineering issues related to the development of proposed improvements to the highway facility. Your participation will help ensure the production of a comprehensive environmental document.

If you have any questions regarding this request, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely yours,

Craig Light
City Engineer

Attachment

cc:

Don Nichols – AHTD-Environmental Division
Shahriar Azad – Bridgefarmer and Associates, Inc.



May 1, 2015

Mr. Doug Falls
Commissioner
Arkansas Economic Development Commission
900 West Capitol Avenue
Suite 400
Little Rock, AR72201

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Request for Information

Dear Mr.Falls:

The Arkansas State Highway and Transportation Department (AHTD) is conducting an environmental and location study and preparing environmental documentation for a proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas. We are requesting that you review the proposed project and notify us of any constraints or concerns you may have regarding the proposed project as identified on the attached map. We would appreciate your response within 30 days to help us maintain our project schedule.

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If you have any questions regarding this request, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely yours,

Craig Light
City Engineer

Attachment

cc:

Don Nichols – AHTD-Environmental Division
Shahriar Azad – Bridgefarmer and Associates, Inc.



December 23, 2015

Melvin Tobin
United States Fish and Wildlife Service
Arkansas Field Office
110 South Amity Road, Suite 300
Conway, Arkansas 72032

RE: BNSF Railroad Overpass
Highway 18, from Cain Street to Conveyor Street
Craighead County
AHTD JOB 100824

Request for Information

Dear Mr. Tobin:

The Arkansas State Highway and Transportation Department (AHTD) is conducting an environmental and location study and preparing environmental documentation for a proposed road improvements project on Highway 18 from Cain Street to Conveyor Street in Jonesboro, Craighead County, Arkansas. We are requesting that you review the proposed project and notify us of any constraints or concerns you may have regarding the proposed project as identified on the attached map and preliminary design plans. We do not anticipate any impacts to threatened or endangered species within the project corridor. Project development and coordination is well underway, and unfortunately an oversight was made in coordination with your agency. We would appreciate your response as soon as practical to help us maintain our project schedule. An email response is sufficient for our purposes. (CLight@jonesboro.org)

As part of this study, we will be investigating the environmental, socioeconomic, and engineering issues related to the development of proposed improvements to the highway facility. Your participation will help ensure the production of a comprehensive environmental document.

If you have any questions regarding this request, please contact me at 870-932-2438. Thank you for your time and assistance in this matter.

Sincerely yours,

Craig Light
City Engineer

Attachment
Don Nichols – AHTD Environmental Divisions
Shahriar Azad, PE – Bridgefarmer and Associates, Inc.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
110 S. Amity Road, Suite 300
Conway, Arkansas 72032
Tel.: 501/513-4470 Fax: 501/513-4480

IN REPLY REFER TO:

January 11, 2016

Reference: TA0267

Craig Light
City of Jonesboro
P.O. Box 1845
Jonesboro, AR 72401

Dear Mr. Light:

The U.S. Fish and Wildlife Service (Service) has reviewed the information supplied in your letter dated December 23, 2015, regarding the proposed road improvement project on Highway 18 in the city of Jonesboro, Craighead County, Arkansas. Our comments are submitted in accordance with the Endangered Species Act (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.) and Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d).

The following federally protected species are known to occur in this region: Fat Pocketbook (*Potamilus capax*), Pondberry (*Lindera melissifolia*), and Scaleshell (*Leptodea leptodon*). In addition, the federally protected Bald Eagle (*Haliaeetus leucocephalus*) is also known to occur in this region.

The comments herein are for the sole purpose of providing technical assistance to the action agency or for individual pre-project planning assistance. These comments and recommendations should not be misconstrued as an "effect determination" or considered as concurrence with any proceeding determination(s) by the action agency in accordance with Section 7 of the ESA. These comments do not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, a finding concurrence letter, etc.) from the Service, both lethal and nonlethal "take" of protected species are in violation of the ESA.

We appreciate your interest in the conservation of endangered species. If you have any questions, please contact the Arkansas Ecological Services Staff at (501) 513-4487.

Sincerely,

Melvin Tobin
Project Leader



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment D

Tribal Coordination Letters



U.S. Department
of Transportation
**Federal Highway
Administration**

Arkansas Division

December 17, 2015

700 West Capitol Ave
Suite 3130
Little Rock AR 72201
(501) 324-6430

In Reply Refer To:
AHTD Job 100824
BNSF Railroad Overpass
(Hwy. 18) (Jonesboro)
Craighead County
HDA-AR

Mr. Marshall Pierite
Tribal Historic Preservation Officer
Tunica-Biloxi Tribe of Louisiana, Inc.
150 Melacon Road
Marksville, LA 71351

Dear Mr. Pierite:

This letter is written in order to initiate consultation between the Federal Highway Administration, Arkansas Division Office and the Tunica-Biloxi Tribe of Louisiana regarding a federal-aid highway project that may potentially affect ancestral lands or properties that may be of religious or cultural significance to your Tribe.

The Arkansas State Highway and Transportation Department (AHTD) plans to construct an overpass for the BNSF Railroad grade on Highway 18 in Craighead County (see project location map). To date, a survey of existing records regarding previously recorded archeological sites has been conducted and no previously recorded sites have been documented in the area of potential effect. In an effort to identify any archeological sites within the proposed project area, the AHTD is planning to conduct a cultural resources survey of the project area.

Please review this information and notify us of any constraints or concerns that you may have regarding this undertaking. We would greatly appreciate your input regarding not only this project but also sites or properties in the immediate area that might be of cultural or religious significance to your Tribe. If you have any questions or need additional information, please contact me at (501) 324-6430.

Sincerely,

Randal Looney
Environmental Coordinator

Enclosure



U.S. Department
of Transportation
**Federal Highway
Administration**

Arkansas Division

December 17, 2015

700 West Capitol Ave
Suite 3130
Little Rock AR 72201
(501) 324-6430

In Reply Refer To:
AHTD Job 100824
BNSF Railroad Overpass
(Hwy. 18) (Jonesboro)
Craighead County
HDA-AR

Dr. Andrea Hunter
Tribal Historic Preservation Officer
Osage Nation
P.O. Box 779
Pawhuska, OK 74056

Dear Dr. Hunter:

This letter is written in order to initiate consultation between the Federal Highway Administration, Arkansas Division Office and the Osage Nation regarding a federal-aid highway project that may potentially affect ancestral lands or properties that may be of religious or cultural significance to your Tribe.

The Arkansas State Highway and Transportation Department (AHTD) plans to construct an overpass for the BNSF Railroad grade on Highway 18 in Craighead County (see project location map). To date, a survey of existing records regarding previously recorded archeological sites has been conducted and no previously recorded sites have been documented in the area of potential effect. In an effort to identify any archeological sites within the proposed project area, the AHTD is planning to conduct a cultural resources survey of the project area.

Please review this information and notify us of any constraints or concerns that you may have regarding this undertaking. We would greatly appreciate your input regarding not only this project but also sites or properties in the immediate area that might be of cultural or religious significance to your Tribe. If you have any questions or need additional information, please contact me at (501) 324-6430.

Sincerely,

Randal Looney
Environmental Coordinator

Enclosure



U.S. Department
of Transportation
**Federal Highway
Administration**

Arkansas Division

December 17, 2015

700 West Capitol Ave
Suite 3130
Little Rock AR 72201
(501) 324-6430

In Reply Refer To:
AHTD Job 100824
BNSF Railroad Overpass
(Hwy. 18)(Jonesboro)
Craighead County
HDA-AR

Mr. Everett Bandy
Tribal Historic Preservation Officer
Quapaw Tribe of Oklahoma (O-Gah-Pah)
P.O. Box 765
Quapaw, OK 74363-0765

Dear Mr. Bandy:

This letter is written in order to initiate consultation between the Federal Highway Administration, Arkansas Division Office and the Quapaw Tribe of Oklahoma regarding a federal-aid highway project that may potentially affect ancestral lands or properties that may be of religious or cultural significance to your Tribe.

The Arkansas State Highway and Transportation Department (AHTD) plans to construct an overpass for the BNSF Railroad grade on Highway 18 in Craighead County (see project location map). To date, a survey of existing records regarding previously recorded archeological sites has been conducted and no previously recorded sites have been documented in the area of potential effect. In an effort to identify any archeological sites within the proposed project area, the AHTD is planning to conduct a cultural resources survey of the project area.

Please review this information and notify us of any constraints or concerns that you may have regarding this undertaking. We would greatly appreciate your input regarding not only this project but also sites or properties in the immediate area that might be of cultural or religious significance to your Tribe. If you have any questions or need additional information, please contact me at (501) 324-6430.

Sincerely,

Randal Looney
Environmental Coordinator

Enclosure



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment E

Summary of Relocations

MEMORANDUM

To: Shariar Azad, Bridgefarmer and Associates, Inc.
From: Drake Danley, Kimley-Horn and Associates, Inc.
Date: January 24, 2016
Subject: Job 100824
BNSF Railroad Overpass (Jonesboro)
Craighead County
CONCEPTUAL STAGE RELOCATION STATEMENT

GENERAL STATEMENT OF RELOCATION PROCEDURE

Residents in the proposed right of way for the project will be eligible for relocation assistance in accordance with Public Law 91-646, Uniform Relocation Assistance Act of 1970, as amended. The Relocation Program provides advisory assistance and payments to help offset expenses incurred by those who are displaced. It is the policy of the Arkansas State Highway and Transportation Department that adequate replacement housing will be made available, built if necessary, before any person is required to move from his/her dwelling. All replacement housing must be fair housing and offered to all affected persons regardless of race, color, religion, sex or national origin. Construction of the project will not begin until decent, safe and sanitary replacement housing is in place and offered to all affected persons. No lawful occupant shall be required to move without receiving 90 days advance written notice.

There are two basic types of residential relocation payments: (1) Replacement Housing payments and (2) Moving Expense payments. Replacement Housing payments are made to qualified residential owner and tenant occupants.

An owner may receive a payment of up to \$31,000.00 for the increased cost of a comparable replacement dwelling. The amount of this payment is determined by a study of the housing market. Owners may also be eligible for payments to compensate them for the increased interest cost for a new mortgage and the incidental expenses incurred in connection with the purchase of a replacement dwelling. A tenant may receive a rental subsidy payment of up to \$7,200.00. Tenants may elect to receive a down payment rather than a rental subsidy to enable them to purchase a replacement dwelling. Replacement housing payments are made in addition to moving expense payments.

All displaced persons, businesses, farms and nonprofit organizations are eligible for reimbursement for actual reasonable moving costs. Businesses, farms and nonprofit organizations are also eligible for reestablishment payments, not to exceed \$25,000.00. A business, farm or nonprofit organization may be eligible for a fixed payment in lieu of the moving costs and reestablishment costs if relocation cannot be accomplished without a substantial loss of existing patronage. The fixed payment will be computed in accordance with the Code of Federal Regulations and cannot exceed \$40,000.00.

The units contained in the housing inventory are in the Jonesboro area. The dwellings and number of dwellings are comparable and adequate to provide replacement housing for the families displaced.

The housing market should not be detrimentally affected and there should be no problems with insufficient housing at this time. In the event housing cannot be found or can be found but not within the displacees' economic means at the time of displacement, Section 206 of Public Law 91-646 (Housing of Last Resort) will be utilized to its fullest and practical extent.

The housing inventory was compiled from data obtained from real estate companies for the subject area. The dwellings contained in the inventory have been determined to be comparable and decent, safe and sanitary. The locations of the comparable dwellings are not less desirable in regard to public utilities and public and commercial facilities, reasonably accessible to the displacees' places of employment, adequate to accommodate the displacees, and in a neighborhood which is not subject to unreasonable adverse environmental factors. It has also been determined that the available housing is within the financial means of the displacees and is fair housing open to all persons regardless of race, color, sex, religion or national origin and consistent with the requirements of Title VIII of the Civil Rights Act of 1968.

A commercial property inventory indicates there are at least three properties available as a similar retail space in the subject area at this time. One business affected by the project is a pallet warehouse owned by BNSF on land adjacent to the BNSF tracks. It may not be able to be relocated in a comparable location in the immediate area of their displacement that is also adjacent to the BNSF tracks, resulting in termination of the operation. However, in order to assist the displaced business in relocating, the City of Jonesboro will explore all possible sources of funding or other resources which may be available to a business. Sources, which will be considered, include State and Local entities, the Department of Housing and Urban Development, the Economic Development Administration, the Small Business Administration and other Federal Agencies. Emphasis will be given in providing relocation advisory services to the business. Appropriate measures will be taken to ensure the business to be displaced is fully aware of its benefits, entitlements, courses of action which are open to it, and any special provisions designed to encourage businesses to relocate within the same community.

It is estimated that there will be one low income displacee on the project. Special attention will be given to this displacee to ensure that replacement housing can be obtained within their economic means. All displacees will be offered relocation assistance under provisions in the applicable FHWA regulations. At the time of displacement another inventory of available dwelling units in the area will be obtained and an analysis of the market made to ensure that there are dwellings adequate to meet the needs of all displacees. Also, special relocation advisory services and assistance will be administered commensurate with displacees' needs, when necessary. Examples of these include, but are not limited to, Housing of Last Resort as previously mentioned and consultation with local officials, social and federal agencies and community groups.

There are no other identified unusual conditions involved with this project.

If the displacee is not satisfied with the amounts offered as relocation payments, they will be provided a form to assist in filing a formal appeal. A hearing will be arranged at a time and place convenient for the displacee, and the facts of the case will be promptly and carefully reviewed.

Relocation services will be provided until all persons are relocated or their relocation eligibility expires. The City of Jonesboro will have listings of available replacement housing and commercial properties. Information is also maintained concerning other Federal and State Programs offering assistance to displaced persons.

Based on an aerial photograph and field inspection it is estimated that the subject project could cause the following displacements and costs:

1 Residential Owner	\$ 35,000.00
1 Residential Tenant	\$ 10,000.00
6 Business Owners	\$ 690,750.00
3 Business Tenants	\$ 60,000.00
	\$ 795,750.00
Services	\$ 79,575.00
Total	\$ 875,325.00

The general characteristics of the displacees to be relocated are listed on the Conceptual Stage Inventory Record forms in the back of this report. The general characteristics have been determined by a visual inspection of the properties and interviews with the occupants when possible.

An available housing inventory has been compiled and it indicates there are at least 25 dwellings available for sale and 48 dwellings available for rent at this time. All available properties meet the criteria of being decent, safe, and sanitary replacement dwellings. Three commercial properties are currently for sale and 16 are available for lease in the project area. A breakdown of the properties is as follows:

RESIDENTIAL – FOR SALE	
Price Range	Number of Units
\$20,001 - \$30,000	4
\$30,001 - \$40,000	3
\$40,001 - \$50,000	5
\$50,001 - \$60,000	13
TOTAL	25

RESIDENTIAL – FOR RENT	
Monthly Rent Price Range (\$/Month)	Number of Units
\$301.00- \$400.00	1
\$401.00- \$500.00	6
\$501.00- \$600.00	19
\$601.00- \$700.00	17
\$701.00- \$800.00	5
TOTAL	48

COMMERCIAL PROPERTIES – FOR SALE	
Price Range	Number of Units
\$ 75,001 - \$100,000	1
\$100,001- \$125,000	0
\$125,001 - \$150,000	1
\$150,001 - \$175,000	0
\$175,001 - \$200,000	1
TOTAL	3

COMMERCIAL PROPERTIES – FOR LEASE	
Annual Rent Price Range (\$ / SF / Year)	Number of Units
\$5.00 - \$7.99	1
\$8.00 - \$9.99	2
\$10.00 - \$11.99	2
\$12.00 - \$13.99	9
\$14.00 - \$15.99	2
TOTAL	16

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

CONCEPTUAL STAGE INVENTORY RECORD

JOB NO: 100824

ALTERNATIVE: 1

FAP NO: STM-TDG6(1)

Occupant Status	Address of Structure	Income Level	Tenure of Family	Race	Business Status/Est. No. Emp.	Vacant Structures	Number in Family	Age of Relocatee
Residential Owner	4006 East Highland Drive	Unknown	Unknown	Unknown	N/A	0	Unknown	Unknown
Residential Tenant	4006 East Highland Drive	Unknown	Unknown	Unknown	N/A	0	Unknown	Unknown
Business Owner	4102 East Highland Drive	N/A	N/A	N/A	Sharp's Collision Center	0	N/A	N/A
Business Owner	4109 East Highland Drive	N/A	N/A	N/A	Yesterday's Antique Mall	0	N/A	N/A
Business Owner	4903 Nettleton Avenue	N/A	N/A	N/A	N/A	0	N/A	N/A
Business Tenant	4903 Nettleton Avenue	N/A	N/A	N/A	House of Detail Car Wash 4 Employees	0	N/A	N/A
Business Owner	4905 Nettleton Avenue	N/A	N/A	N/A	N/A	0	N/A	N/A
Business Tenant	4905 Nettleton Avenue	N/A	N/A	N/A	Rinconcito Restaurant 3 Employees	0	N/A	N/A
Business Owner	4907 Nettleton Avenue	N/A	N/A	N/A	N/A	1	N/A	N/A
Business Tenant	4907 Nettleton Avenue	N/A	N/A	N/A	For Lease/Sale	N/A	N/A	N/A
Business Owner	2021 Watt Street	N/A	N/A	N/A	BNSF Railroad	3	N/A	N/A
Business Tenant	2021 Watt Street	N/A	N/A	N/A	Bowman Trucking	N/A	N/A	N/A



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment F

Noise Assessment

Traffic Noise Assessment

Highway 18 (Highland Drive)
BNSF Railroad Overpass
Job No. 100824
Craighead County, Arkansas



Submitted to:



Prepared By:

Kimley»Horn

AHTD JOB NUMBER 100824

NOISE ASSESSMENT

Project Introduction

Highway 18 (Highland Drive) is a heavily travelled principal arterial roadway through the project corridor. The intersection of Highway 18 with the BNSF Railroad crossing currently operates at an unacceptable Level of Service due to the number of trains utilizing the at-grade crossing per day. The train crossings do not follow a set schedule and often stop on the tracks for long periods of time. The intersection ceases to operate at these times, and causes significant delay for both motorists and emergency vehicles.

The purpose of the proposed railroad overpass is to eliminate vehicle conflicts and delays at the existing Highway 18 railroad crossing and to provide emergency service vehicles an unimpeded path across the tracks. Total length of the project is approximately 0.5 miles along Highway 18, and includes improvements to multiple adjacent roads. Watt Street will also be reconstructed with a new bridge over the BNSF Railroad. **Figure 1** is located on the following page and shows the location of the proposed project.

Fundamentals of Sound and Noise

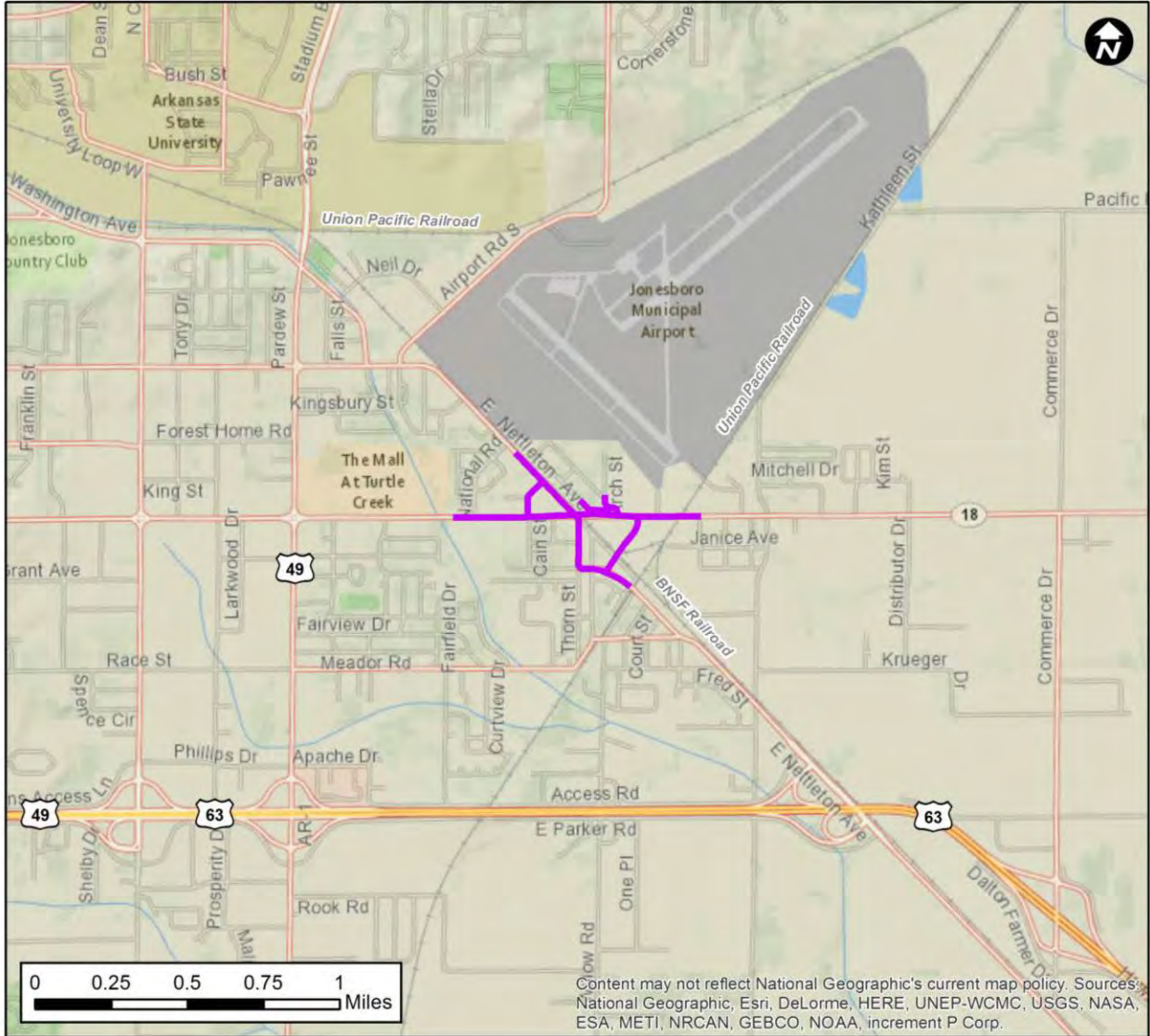
“Noise” is defined as an unwanted sound. Sounds are described as noise if they interfere with an activity or disturb the person hearing them. Sound is measured in a logarithmic unit called a decibel (dB). The human ear is more sensitive to middle and high frequency sounds than it is to low frequency sounds, so sound levels are weighted to more closely reflect human perceptions. These “A-weighted” sounds are measured using the decibel unit dB(A). Because the dB(A) is based on a logarithmic scale, a 10 dB(A) increase in sound level is generally perceived as twice as loud while a 3 dB(A) increase is just barely perceptible to the human ear.

Sound levels fluctuate with time depending on the sources of the sound audible at a specific location. In addition, the degree of annoyance associated with certain sounds varies by time of day, depending on other ambient sounds affecting the listener and the activities of the listener. The time-varying fluctuations in sound levels at a fixed location can be quite complex, so they are typically reported using statistical or mathematical descriptors that are a function of sound intensity and time. A commonly used descriptor of the equivalent sound level is L_{eq} , which represents the equivalent of a steady, unvarying level over a defined period of time containing the same level of sound energy as the time varying noise environment. $L_{eq(h)}$ is a sound level averaged over one hour. For highway projects, the $L_{eq(h)}$ is commonly used to describe traffic-generated sound levels at locations of outdoor human use and activity (such as residences).

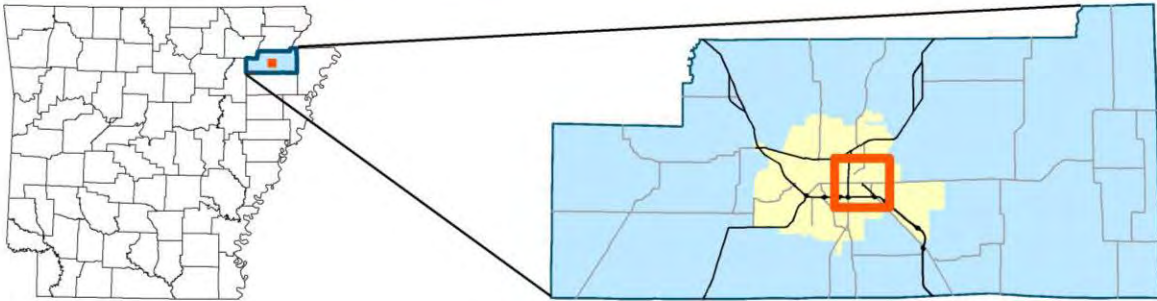
Noise Impact Criteria

Traffic noise impacts take place when the predicted noise levels approach or exceed the FHWA noise abatement criteria (NAC), or when the predicted noise levels exceed the existing noise level by ten dB(A) (decibels on the A-scale). The NAC of 67 dB(A) is used for sensitive noise receptors such as residences, schools, churches, and parks. The term “approach” is considered to be one dB(A) less than the noise abatement criteria.

The number of traffic-related noise impacts for this project was estimated utilizing Federal Highway Administration’s Traffic Noise Model 2.5 (TNM 2.5), existing and proposed roadway geometry, existing traffic volumes, and projected traffic volumes.



Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.



Kimley»Horn

— Project Alignment Craighead County
 City of Jonesboro County Boundary

Figure 1
Project Location
 AHTD Job 100824
 Highway 18 (Highland Dr)
 BNSF Railroad Overpass
 Craighead County

Traffic Noise Assessment

A traffic noise assessment of the predicted design year traffic noise impacts, occurring within 500 feet of the proposed improvements, utilized a roadway cross-section for Highway 18 consisting of four 12-foot paved travel lanes with a 12-foot wide median.

Effects of Project

None of the noise-sensitive receptors located along the project corridor are predicted to experience noise impacts resulting from noise levels approaching or exceeding 67 dB(A) during the design year, however, two noise-sensitive receptor relocations are associated with the proposed improvements.

Some noise-sensitive areas adjacent to the project corridor are anticipated to experience future noise levels lower than existing noise levels. The retaining structures that are associated with the grade separation of Highway 18 over the BNSF Railroad are expected provide minor noise level reductions to noise-sensitive receptors in close proximity to the newly elevated section of Highway 18. Constructing the overpass will also increase the source-to-receptor sound transmission path, which could also contribute to reduced traffic noise levels in the future.

Traffic Noise Abatement

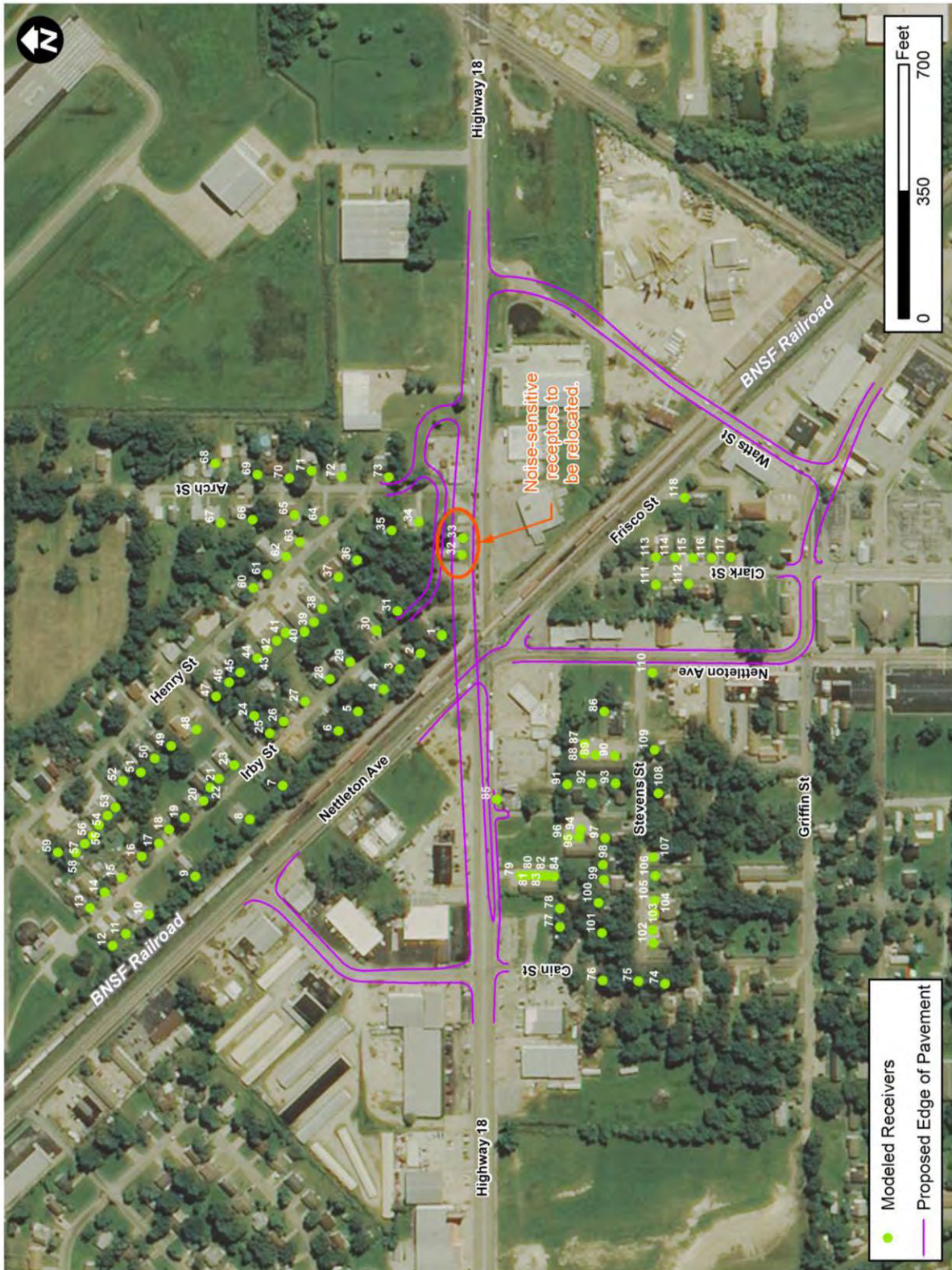
Since traffic noise impacts are not predicted within 500 feet of the proposed project, the feasibility and reasonableness of potential noise abatement measures was not evaluated.

Correlating to the traffic noise impact threshold for FHWA NAC "B" land uses, noise impacts are predicted to occur up to 85 feet from the centerline of the proposed Highway 18 alignment. The predicted design year traffic noise level impact distance is not a definitive means by which to assess traffic noise level impacts; however, it can aid in future land use planning efforts in presently undeveloped areas.

To avoid noise levels in excess of design levels, any future receptors should be located a minimum of 15 feet beyond the distance that predicted noise impacts are expected to occur. This distance should be used as a general guide and not a specific rule since the noise will vary depending upon the roadway grades and other noise contributions.

Excessive project noise, due to construction operations, should be of short duration and have a minimum adverse effect on land uses or activities associated with this project area.

In compliance with Federal guidelines, a copy of this assessment will be transmitted to the City of Jonesboro Planning and Zoning Department for possible use in present and future land use planning.



Appendix A: Traffic Noise Assessment Results

ID	Existing Noise Level, dB(A)	Build Noise Level, dB(A)	Noise Level Difference, dB(A)
Receiver1	66	62	-4
Receiver2	64	61	-3
Receiver3	62	60	-2
Receiver4	61	60	-1
Receiver5	60	59	-1
Receiver6	59	59	0
Receiver7	59	60	1
Receiver8	59	60	1
Receiver9	59	62	3
Receiver10	58	60	2
Receiver11	58	60	2
Receiver12	58	59	1
Receiver13	53	55	2
Receiver14	53	55	2
Receiver15	53	55	2
Receiver16	53	55	2
Receiver17	53	56	3
Receiver18	53	56	3
Receiver19	53	56	3
Receiver20	54	56	2
Receiver21	53	55	2
Receiver22	53	55	2
Receiver23	53	55	2
Receiver24	52	54	2
Receiver25	54	55	1
Receiver26	55	55	0
Receiver27	55	56	1
Receiver28	56	56	0
Receiver29	57	57	0
Receiver30	58	57	-1
Receiver31	59	58	-1
Receiver32	69	Relocation	-
Receiver33	70	Relocation	-
Receiver34	61	59	-2
Receiver35	57	57	0
Receiver36	55	55	0
Receiver37	53	54	1
Receiver38	53	54	1
Receiver39	53	54	1
Receiver40	53	54	1
Receiver41	52	53	1
Receiver42	52	53	1
Receiver43	51	53	2
Receiver44	51	53	2

ID	Existing Noise Level, dB(A)	Build Noise Level, dB(A)	Noise Level Difference, dB(A)
Receiver45	51	52	1
Receiver46	50	52	2
Receiver47	50	52	2
Receiver48	50	52	2
Receiver49	50	52	2
Receiver50	49	51	2
Receiver51	49	51	2
Receiver52	49	51	2
Receiver53	49	51	2
Receiver54	49	51	2
Receiver55	49	51	2
Receiver56	49	51	2
Receiver57	49	51	2
Receiver58	49	51	2
Receiver59	48	50	2
Receiver60	51	52	1
Receiver61	51	52	1
Receiver62	51	53	2
Receiver63	52	53	1
Receiver64	53	54	1
Receiver65	50	52	2
Receiver66	49	51	2
Receiver67	47	50	3
Receiver68	47	49	2
Receiver69	48	50	2
Receiver70	50	51	1
Receiver71	51	52	1
Receiver72	53	54	1
Receiver73	57	57	0
Receiver74	52	53	1
Receiver75	53	54	1
Receiver76	55	56	1
Receiver77	57	58	1
Receiver78	57	58	1
Receiver79	63	63	0
Receiver80	62	62	0
Receiver81	61	61	0
Receiver82	60	60	0
Receiver83	59	59	0
Receiver84	58	59	1
Receiver85	68	62	-6
Receiver86	57	57	0
Receiver87	56	56	0
Receiver88	56	56	0

ID	Existing Noise Level, dB(A)	Build Noise Level, dB(A)	Noise Level Difference, dB(A)
Receiver89	55	55	0
Receiver90	54	54	0
Receiver91	57	56	-1
Receiver92	55	55	0
Receiver93	54	54	0
Receiver94	55	55	0
Receiver95	55	55	0
Receiver96	56	56	0
Receiver97	53	54	1
Receiver98	53	54	1
Receiver99	53	54	1
Receiver100	53	54	1
Receiver101	54	55	1
Receiver102	52	53	1
Receiver103	51	52	1
Receiver104	51	52	1
Receiver105	51	52	1
Receiver106	51	52	1
Receiver107	51	52	1
Receiver108	51	52	1
Receiver109	53	53	0
Receiver110	64	65	1
Receiver111	55	55	0
Receiver112	54	55	1
Receiver113	53	54	1
Receiver114	53	54	1
Receiver115	53	54	1
Receiver116	53	54	1
Receiver117	54	55	1
Receiver118	52	53	1

Appendix B: Traffic Inputs for Noise Model

Existing Year Traffic

Road	Volume	Speed	d	t	Auto	MT	HT
Cain St, North of Highland Dr	64	25					
Cain St, South of Highland Dr	120	25					
Nettleton Ave SB, North of Cain St	677	35	2%	1%	657	14	7
Nettleton Ave SB, South of Cain St	664	35	2%	1%	644	13	7
Nettleton Ave NB, North of Cain St	641	35	2%	1%	622	13	6
Nettleton Ave NB, South of Cain St	618	35	2%	1%	599	12	6
Irby St	13	20					
Henry St	39	20					
Stevens St	22	20					
Griffin St	98	20					
Highland Dr EB, West of Cain St	566	40	2%	1%	549	11	6
Highland Dr WB, West of Cain St	633	40	2%	1%	614	13	6
Highland Dr EB, bw Cain St and Nettleton Ave	548	40	2%	1%	532	11	5
Highland Dr WB, bw Cain St and Nettleton Ave	561	40	2%	1%	544	11	6
Highland Dr EB, bw Nettleton Ave and Henry St	786	40	2%	1%	762	16	8
Highland Dr WB, bw Nettleton Ave and Henry St	790	40	2%	1%	766	16	8
Highland Dr EB, bw Henry St and Watts St	774	40	2%	1%	751	15	8
Highland Dr WB, bw Henry St and Watts St	795	40	2%	1%	771	16	8
Highland Dr EB, East of Watts St	806	40	2%	1%	782	16	8
Highland Dr WB, East of Watts St	827	40	2%	1%	802	17	8
Nettleton Ave, bw Highland Dr and Stevens St	943	35					
Nettleton Ave, bw Stevens St and Griffin St	952	35					
Nettleton Ave, bw Griffin St and Clark St	800	35					
Nettleton Ave, bw Clark St and Watts St	831	35					
Nettleton Ave, East of Watts St	805	35					
Thorn St	234	20					
Clark St, North of Nettleton Ave	20	25					
Clark St, South of Nettleton Ave	161	25					
Watts St	136	25					

Design Year Traffic

Road	Volume	Speed	d	t	Auto	MT	HT
Cain St, North of Highland Dr	841	25					
Cain St, South of Highland Dr	143	25					
Nettleton Ave SB, North of Cain St	812	35	2%	1%	788	16	8
Nettleton Ave SB, South of Cain St	542	35	2%	1%	526	11	5
Nettleton Ave NB, North of Cain St	769	35	2%	1%	746	15	8
Nettleton Ave NB, South of Cain St	520	35	2%	1%	504	10	5
Arch St to Henry St and Irby St	50	20					
Stevens St	11	20					
Griffin St	115	20					
Highland Dr EB, West of Cain St	679	40	2%	1%	659	14	7
Highland Dr WB, West of Cain St	759	40	2%	1%	736	15	8
Highland Dr EB, bw Cain St and Arch St	726	40	2%	1%	704	15	7
Highland Dr WB, bw Cain St and Arch St	835	40	2%	1%	810	17	8
Highland Dr EB, bw Arch St and Watts St	711	40	2%	1%	690	14	7
Highland Dr WB, bw Arch St and Watts St	841	40	2%	1%	816	17	8
Highland Dr EB, East of Watts St	967	40	2%	1%	938	19	10
Highland Dr WB, East of Watts St	992	40	2%	1%	962	20	10
Nettleton Ave, bw Highland Dr and Stevens St	1188	35					
Nettleton Ave, bw Stevens St and Griffin St	1199	35					
Nettleton Ave, bw Griffin St and Clark St	1231	35					
Nettleton Ave, bw Clark St and Watts St	1327	35					
Nettleton Ave, East of Watts St	966	35					
Thorn St	280	20					
Clark St, North of Nettleton Ave	25	25					
Clark St, South of Nettleton Ave	194	25					
Watts St	493	25					



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment G

Public Involvement Synopsis

PUBLIC INVOLVEMENT SYNOPSIS

Job Number 100824

BNSF RAILROAD OVERPASS (HWY. 18) (JONESBORO)

Craighead County

Thursday, October 15, 2015

An open forum Public Involvement meeting for the proposed project was held at the Nettleton Baptist Church (Ray Fellowship Hall) from 4:00 – 7:00 p.m. on Thursday, October 15, 2015. Special efforts to involve minorities and the public in the meeting included the following:

- Display advertisement placed in the *Jonesboro Sun* on Sunday, October 4, 2015 and Sunday, October 11, 2015.
- Public Service Announcements to *KLEK-LP 102.5 FM* which aired on Monday, October 12, 2015 through Thursday, October 15, 2015.
- Distribution of flyers in the project area.
- Outreach with Minority Ministers Letters.

The following information was available for inspection and comment:

- Displays including an aerial photograph at a scale of 1 inch equals 1000 feet.
- Preliminary plans at a scale of 1 inch equal 100 feet.

Handouts for the public included a comment sheet and a small-scale map illustrating the project location, which was identical to the aerial photograph display. Copies of the handouts are attached.

Table 1 describes the results of the public participation at the meeting.

TABLE 1	
Public Participation	Totals
Attendance at meeting (including AHTD staff)	99
Comment forms received	34

Bridgefamer & Associates staff reviewed all comments received and evaluated their contents. The summary of comments listed below reflects the personal perception or opinion of the person or organization making the statement. The sequencing of the comments is random and is not intended to reflect importance or numerical values. Some of the comments were combined and/or paraphrased to simplify the synopsis process.

An analysis of the responses received as a result of the public survey is shown in Table 2.

TABLE 2	
Survey Results	Totals
Supports the improvements to Highway 18	31
Does not support the improvements to Highway 18	0
Beneficial impacts due to the proposed project	8
Adverse impacts due to the proposed project	15
Knowledge of historical, archeological or cemetery sites	1
Knowledge of area environmental constraints	1
Home or property offers limitations to the project	6
Suggestions to better serve the needs of the community	15

The following is a listing of comments concerning issues associated with this project.

- Five individuals were concerned about harmful impacts to businesses in the project area.
- Four individuals were opposed to making Nettleton Avenue and Clark Streets one-way.
- Four individuals were concerned about Right-of-Way impacts to parking areas.
- Four individuals wanted an alternative route to Cain Street to be constructed.
- Four individuals wanted additional signalized and/or stop-controlled intersections included in the project.
- Three individuals were concerned about decreased property values resulting from the project.
- Three individuals disagreed with aspects of the proposed design.
- Three individuals were concerned about the proposed cul-du-sac on Irby Street and wanted Irby Street to connect with Arch Street.
- Three individuals commented that their property might offer limitations to the project.
- Two individuals were concerned about egress from Nettleton Concrete when Highway 18 traffic is detoured along Watts Street.
- Two individuals wanted Henry and Long Streets widened.
- Two individuals were concerned about increased traffic along Cain Street.
- Two individuals commented support of the project and believe it will improve safety.
- Two individuals were concerned about light, noise, air pollution, and other impacts to properties at the end of Irby Street.

- Two individuals were concerned about the safety of parking along Cain Street when traffic increases.
- Two individuals commented that access for emergency vehicles would be improved with the project.
- One individual commented that the project needs to start sooner.
- One individual commented that the project was long overdue.
- One individual commented that the project would increase property values.
- One individual commented that his business along Cain Street receives numerous trucks each day that block the street while backing into a truck loading pit.
- One individual wanted Nettleton to be a 2 or 4 lane street.
- One individual was concerned about potential drainage issues along Cain Street.
- One individual was concerned about noise during construction.
- One individual commented that the current traffic delay was inconvenient.
- One individual commented that traffic flow with the proposed design was excellent and access to Nettleton schools would be easier and safer.
- One individual commented that she had been having difficulty selling property along Highway 18 due to concern about the proposed project.
- One individual commented that he had heard of oil contamination at the SW corner of Highland Avenue and Nettleton Avenue.
- One individual wanted sidewalks constructed along Henry Street.
- One individual was concerned that the loss of drive-by traffic during construction might damage his business.

Attachments:

Public handouts, including blank comment form

Small-scale display copies

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION
DEPARTMENT (AHTD)**

CITIZEN COMMENT FORM

**AHTD JOB NUMBER 100824
BNSF RAILROAD OVERPASS (HWY.18) (JONESBORO)
CRAIGHEAD COUNTY**

**LOCATION:
NETTLETON BAPTIST CHURCH
(RAY FELLOWSHIP HALL)
4701 E. NETTLETON AVE
JONESBORO, AR
4:00 – 7:00 P.M.
THURSDAY, OCTOBER 15, 2015**

Make your comments on this form and leave it with AHTD personnel at the meeting or mail it within 15 days to: Arkansas State Highway and Transportation Department, Environmental Division, Post Office Box 2261, Little Rock, Arkansas 72203-2261.

Yes No

 Do you feel there is a need for the proposed construction of a railroad overpass on Hwy. 18? _____

 Do you know of any historical sites, family cemeteries, or archaeological sites in the proposed area? Please note and discuss with staff. _____

 Do you know of any environmental constraints, such as endangered species, hazardous waste sites, existing or former landfills, or parks and public lands in the vicinity of the project? Please note and discuss with staff. _____

 Does your home or property offer any limitations to the project, such as septic systems, that the Department needs to consider in its design? _____

(Continued on back)

Yes

No

Do you have a suggestion that would make this proposed project better serve the needs of the community? _____

Do you feel that the proposed railroad overpass will have any impacts (Beneficial or Adverse) on your property and/or community (e.g. economic, environmental, social, etc.)? Please explain. _____

It is often necessary for the AHTD to contact property owners along potential routes. If you are a property owner along or adjacent to the route under consideration, please provide information below. Thank you.

Name : _____ (Please Print)

Address: _____

Phone: (____) _____ -- _____

E-mail: _____

Please make additional comments here. _____

For additional information, please visit our website at www.Arkansashighways.com

PUBLIC MEETING REGISTER

Date: October 15, 2015

Meeting Held At: Nettleton Baptist Church

Job No: 100824

Job Name: BNSF Railroad Overpass (Jonesboro) (Hwy. 18)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
1. Terry Tucker	---	---	AHTD-Env. Div.	
2. Kenneth Redus	---	---	''	Kw Division
3. Bob Warren	Lake City		Church	
4. Phyllis Robson	2618 GREENE 707RD	PARASOUND, ARK		
5. JOHANNEN REAVES	3123 BONAPARVE	JONESBORO, AR	KASU	Radio
6. SMILY REAVES	''	''	KASU	Radio
7. Rep Brandt Smith	3501 Ridgeway	J 13000	Legislatre	e-mail
8. Jack Guinness	1003 N. Commercial	Dibou	Self	TV
9. Gary Hild	2607 Matt Ave	Jonesboro	Self	Internet
10. Pauline Robinson	904 Commercial	Jonesboro	Self	
11. Victoria King	2100 Clark St	Jonesboro	Self	mail
12. S. D. McCremon	1814 Henry	Jonesboro	Self	mail
13. Colton Sanders	''	''	''	''
14. Dustin McCremon	''	''	''	''
15. Stephen Tricariga	2115 Autumn Dr	Jonesboro 7244	Self	MAIL
16. Linda Gresh	2003 Apt. 2 Bryan	Jonesboro	Self	mail
17. Susan Masterson	4117 E. Highland	Jonesboro	Dollar General	Mail
18. Joe Perkins	4073 Madis wood	Jonesboro	Self	mail & contact
19. Audrey Troutman	1806 ARCH	Jonesboro	Self	flyer
20. Bobby Aldrich	1498 Sullivan Rd	Jonesboro	Self	Johnson

PUBLIC MEETING REGISTER

Date: October 15, 2015

Meeting Held At: Nettleton Baptist Church

Job No: 100824

Job Name: BNSF Railroad Overpass (Jonesboro) (Hwy. 18)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
21. Melvin Wessell	3506 Subal	Jonesboro 72401	my self	Newspaper
22. HAROLD RAY SIMPSON	P.O. Box 2497 Jonesboro 72402	72402	SELF	FLYER.
23. Dan Sullivan	3905 Bolt	72401	AK House	Paper
24. Carma M'Gee	P.O. Box 186 Brookland ⁷²⁴¹⁷	Brookland 72417	Self	Flyer
25. Walter M'Millan	P.O. Box 78 Paragould ⁷²⁴⁵¹	Paragould 72451	AHTD	
26. Antonio Johnson	on file	on file	AHTD	
27. SIM R Wallin	209 Winkler	Jonesboro Ar	Self	
28. LARRY Tolbert	116 BRIMCREST	Jonesboro AR	CHI ELECTRIC	Flyer / newspaper
29. Erica Tait	3005 Church St	Jonesboro AR	MPO	
30. Frank Walden	1715 Penny Lane	Jonesboro AR	CTI Electrical Supply	Flyer / Newspaper
31. Wendene Jones	4108 E Highland	Jonesboro	Benguan Bed Shop	
32. Penneith Jones				
33. Donna Wells	95CR 418	Jonesboro, 72404	Nettleton Bapt. Church	Letter
34. Shelia Hillman	7205 Hwy 19 S	Paragould AR	SELF	David Pierce
35. Rodas Wilkey	1112 Water Lane	Paragould Ar	Self	Flyer
36. DACEE SHIND	3150 CARRIER ST.	MEMPHIS 38116	TRAC SUPPLY SALON	
37. Dambava Gray	3223 Highland	Jonesboro 72401	self	TV
38. Roberta Campbell	1800 Hen Ry	Jonesboro	self	TV
39. Katie Lipprell	1810 Henry	Jonesboro		
40. Patrick Ballard	1808 Arch St	Jonesboro 72401	Self	Flyer

PUBLIC MEETING REGISTER

Date: October 15, 2015

Meeting Held At: Nettleton Baptist Church
 Job Name: BNSF Railroad Overpass (Jonesboro) (Hwy. 18)

Job No: 100824

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
41. Sheila McKay	4807 Stadium Lane	Paragould, AR	Jordan's Law's Stop	Flyer
42. MARY F. WARDEN	3906 CORAL CV.	JONESBORO AR	SELF	FLYER
43. BRANDON WINTERS	PO 2157	JONESBORO	NETTLETON CONCRETE	RADIO
44. Leigh Ann Box	2403 Charita	Jonesboro	Self	
45. CEHIG LIGHT	205 CONSTRUCTION	JONESBORO, AR	CITY OF JONESBORO	
46. SPAN CIGAR	3806 Highway Dr	Sonsboro AR		
47. DAVID JONGENIAW	3206 WICKHAM DR	JONESBORO, AR		
48. JOSEPH TORRELL Sr	1410 HENRY	JONESBORO		
49. Lyndsay Ballaw	1808 Arch St	Jonesboro		
50. JUSTIN HILL	1707 S. Church	Sonsboro		
51. Janel Wynn	1900 Arch	Jonesboro	SELF	Flyer
52. DEBORAH DAVIS	1722 ARCH	JONESBORO	self	"
53. Alan Walter			AHTD D-10	
54. Was by Abernathy	3816 Highland	AR	Abernathy's Motor	mail
55. Teresa Foreman	1807 Henry	Jonesboro	Self	TV
56. Terry Henson	3005 Bunting	Jonesboro	"	Flyer
57. Rick Carmack	1904 OAKWOOD	J. BORO	SELF	work
58. ENITA STOREY	1810 IRBY	Jonesboro	SELF	
59. Dawn Bob Roque	1817 Henry	J. BORO	SELF	TV
60. Mary Gorden	1903 Church	Jonesboro	self	Flyer

PUBLIC MEETING REGISTER

Date: October 15, 2015

Meeting Held At: Nettleton Baptist Church

Job No: 100824

Job Name: BNSF Railroad Overpass (Jonesboro) (Hwy. 18)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
61. CHARLES JEFFRIES	3214 PARKWOOD	72401	SELF	
62. PAUL HARK	17075 CHURCH	72401	SELF	
63. JACK PRICE	4109 E. HIGHLAND	72401	YESTERDAY'S	
64. MARK LAMBERTSON	213 CR 636	Bay 72411	Nettleton ^{Worship} Center	Pastor
65. Tim Bridwell	6007 Doktorfamer Dr.	72404	Medic One	
66. ALAN SWARO		72401	SELF	
67. Brian Achris	4600 E Nettleton	72401		Pastor
68. Quentin Bogard	4403 E Nettleton	72401	House of Detail	Flyer
69. Carmen Adams	4400 E Nettleton	72401	Nettleton ^{Worship}	Flyer
70. TINA COOTS	PO Box 576	72416	Santina East	Mail
71. FRED HARGETT	1811 CAROLYN	72404	SELF	
72. Dory & Diane Dobb	1806 IRBY	72401	self	flyer
73. Rick Cheshier	205 Hillpoint CV	72401	self	paper
74. Sherry Cheshier				
75. Judy Abernathy	PO Box 1368	Jonesboro 72403	self	mail
76. John				
77. Mike Hart	P.O. Box 2415	72402	Church	Cutey Ham
78. Terrell Brown	3508 E Highland Dr.	72401	Radio Comm Center	Radio
79. John Sloan	401 Nettleton PO Box 187	72403	self	
80. James Boller	4914 Outback Rd	72404	self	TV

PUBLIC MEETING REGISTER

Date: October 15, 2015

Meeting Held At: Nettleton Baptist Church

Job No: 100824

Job Name: BNSF Railroad Overpass (Jonesboro) (Hwy. 18)

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
81 Bill Boths	4914 Outback Rd	Jonesboro, AR 72409	SELF	Flyer
82 Karen Whittle	4003 Highland	Jonesboro	Self	
83 Wade Whittle	4003 Highland	Jonesboro	Self	
84. Lauren Whittle	4003 Highland	Jonesboro	Self	
85 Deborah Applegate	1110 Wilmer Cir	Jonesboro	Jim's Pawn	Flyer
86 Kay Applegate	1801 Arch St	Jonesboro	Kristie Tudor	KAIT
87 Kevin Kissea	P.O. Box 2141	Jonesboro	self	flyer
88 Terry Fields	1901 Erby St.	Jonesboro	self	Flyer
89 Ashley Fields	" "	" "		
90 Jacob Fields	" "	" "		
91. Elizabeth Fields	" "	" "		
92 David Couch	4306 Race St	" "	Self	TV
93. Jeannette Robertson	3209 Springwood Dr	" " 72409	Self	Flyer
94. Shelay Johnson	1110 Rainwood Dr.	Jonesboro, AR 72409	Self	flyer
95				
96				
97				
98				
99				
100				

PUBLIC MEETING REGISTER

Date: October 15, 2015

Meeting Held At: Nettleton Baptist Church
 Job Name: BNSF Railroad Overpass (Jonesboro) (Hwy. 18)

Job No: 100824

PLEASE PRINT Name	Street or P.O. Box	City, Zip	Representing: Organization or "Self"	How did you hear about this meeting? (Radio, Newspaper, Flyer, etc.)
101 Kyla Tyler	5401 Highland Pt Circle	Apt 103 Jonesboro	72401 self	radio
102 Sam Barnett	2903 Bermuda Dr	JONESBORO	SELF	TV / RADIO
103. Dam Bulten	808 Blainwood Cr	J BORO	70404 self	Flyer-
104 Brad Magee	3714 Victoria Dr	J Boro	Magee Prop.	mail.
105 Wlyde Robertson	3209 Springwood Dr.	J-Boro	Self	Brochure
106				
107				
108				
109				
110				
111				
112				
113				
114				
115				
116				
117				
118				
119				
120				



Notes: _____

0 400 800
Feet

Map Date - October 2, 2015
Meeting Date - October 15, 2015
Public Involvement Handout



Job 100824
Hwy. 18 BNSF Railroad Overpass
(Jonesboro)
Craighead County

Preliminary
Subject
To
Revision

- Proposed Road
- Proposed Overpass
- Project Location

Photography: Craighead County, 2014



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

Attachment H

Hazardous Materials Record Summary

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **COASTAL C-MART #109**
Target **3915 E. HIGHLAND**
Property **JONESBORO, AR**

RGALUST **S115129280**
 N/A

Site 1 of 4 in cluster A

Actual:
250 ft.

RGALUST:

2012	COASTAL C-MART #109	3915 E. HIGHLAND
2011	COASTAL C-MART #109	3915 E. HIGHLAND
2010	COASTAL C-MART #109	3915 E. HIGHLAND
2009	COASTAL C-MART #109	3915 E. HIGHLAND
2008	COASTAL C-MART #109	3915 E. HIGHLAND
2007	COASTAL C-MART #109	3915 E. HIGHLAND
2006	COASTAL C-MART #109	3915 E. HIGHLAND
2005	COASTAL C-MART #109	3915 E. HIGHLAND
2004	COASTAL C-MART #109	3915 E. HIGHLAND
2002	COASTAL C-MART #109	3915 E. HIGHLAND
2001	COASTAL C-MART #109	3915 E. HIGHLAND
2000	COASTAL C-MART #109	3915 E. HIGHLAND

A2 **JORDAN'S KWIK STOP #31**
Target **3915 E HIGHLAND DR**
Property **JONESBORO, AR 72402**

LTANKS **U001903057**
UST **N/A**
ENF
Financial Assurance
PERMITS

Site 2 of 4 in cluster A

Actual:
250 ft.

LTANKS:

RST Facility ID: 16000097
Facility Telephone: 8709319144

Owner: GRIFFIN PETROLEUM, INC
Lust Owner: Not reported
Leak Date: Not reported
Leak Volume: Not reported
Substance Stored: Gasoline
Release Status: Confirmed
Release Confirmed: 11/19/1997
Damage Description: Sub Surface Soils/Groundwater
Lust Tank Type: Underground Tank
Lust Discovery: PT Assessment
Notification Date: 11/21/1997 11:00:00 AM
Cleanup Initiated: 10/16/1998
Notification Name: RICK CLIFFT
Notification Address: C&D ENVIROMENTAL
Notification Address2: 405 MERIWETHER
Notification City,St,Zip: PARAGOULD, AR 72450
Notification Telephone: 8702390633
Notice Number: 160016
Received By: 25785
Tech Branch: 4/15/1998
AFIN Number: 1600523
Emergency Response: Not reported
Emergency Response 2: Not reported
Hazard Abatement: Prod Rmv. Rcvr
Remedial Action: Not reported
ISC Date: 10/16/1998
Priority Score: L
SAR Date: 5/28/1999
Cap Submit: Not reported
Public Notify: Not reported
Cap Approve: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

NFA Issued: Not reported
Funding Source: State Trust Fund
Cleanup Lead: Responsible Party
Gis Location: Not reported
Lust Tank Type 2: Underground Tank
RST Modified Date: Not reported
Leak Damage: CONTAMINATED SOIL

Memo: METHOD OF DISCOVERY: FROM SOIL BORINGS AS PART OF SITE ASSESSMENT NONE
AT THIS TIMELINE TEST ON 11-24-97 DID NOT INDICATE LEAKLDI
11-26-97IRR REC'D 12-8-97ISC REC'D 1-5-974/15/98 (James
Atchley)Casefile opened with the Technical Branch.5/11/98 (James
Atchley)Site monitoring program requested.10/16/98 (James
Atchley)Site monitoring report submitted.12/1/98 (James Atchley)Free
product reported in one of the monitoring wells.1/13/99 (James
Atchley)ADEQ request for comprehensive site assessment. Site
monitoring reports submitted which still has free product.4/20/99
(James Atchley)Site monitoring report.5/28/99 (James Atchley)Site
assessment reported out.8/25/99 (James Atchley)Site monitoring
report.10-20-99 W. PAESTRUST FUND ELIGIBLE. LETTER DATED
02/17/99.12/17/99 (James Atchley)Site monitoring report.1/31/00
(James Atchley)Site monitoring report w/free product recovery
results.5/2/00 (James Atchley)Site monitoring report.5/26/00 (James
Atchley)Additional site assessment requested.8/28/00 (James
Atchley)Free product recovery report submitted.9/8/00 (James
Atchley)Report of additional assessment submitted.9/25/00 (James
Atchley)MDPE reported out. They got 291 gallons.10/16/00 (James
Atchley)MDPE #12 reported out. They got 735 gallons.10/27/00 (James
Atchley)Site monitoring report received.2/14/01 (James
Atchley)Groundwater assessment monitoring requested.2/20/01 (James
Atchley)GAM report 1/8 received.3/1/01 (James Atchley)MDPE for 12/21
reported out. They got 216 gallons.9/28/01 (James Atchley)GAM report
2/8 submitted.10/2/01 (James Atchley)Offsite assessment ordered.This
site is under an enforcement referral as part of the larger
Market Operations Group acquisition. Further action awaiting an order
from the Legal Division, or designation as State-lead.3/2/05 (James
Atchley)Phone call from Frances Pardue this AM, at 1-870-935-5967.
She owns property near the facility, and was following up a request
from PMI for access to drill.8/22/05 (M Shinn)Consent Administrative
Order signed by ADEQ Director, transferring trust fund eligibility at
LUST case #16-016 to Market Operations Group.9/9/05 (M Shinn)RST
request for additional site assessment to Market Operations Group ,
with plan submittal due on 11/11/05.11/11/05 (M Shinn)Letter
requesting deadline extension for submittal of additional assessment
plan by MOG.11/16/05 (M Shinn)RST letter granting deadline extension
for plan submittal to 12/2/05, with request that additional data be
acquired at adjacent facility #16000042.5/15/06 (M Shinn)Off-site
access agreement received from last off-site property owner. Workplan
for off-site assessment now due on 6/23/06.7/06/06 (M
Shinn)Assessment workplan submitted. Delay due to delivery error by
FedEx.8/7/06 (M Shinn)Additional site assessment workplan approved.
Report to be submitted by 12/31/06.1/9/07 (M Shinn)Copies of "Sample
Results" letters sent to off-site property owners received by RST
Division. Still awaiting full ASA report.1/16/07 (M Shinn)"Site
Assessment Report" submitted.2/22/07 (M Shinn)RST request to Market
Operations Group for LNAPL recovery and monitoring workplan. Plan and
cost estimate to be submitted by 3/31/07.4/3/07 (M Shinn)"Workplan &
Cost Estimate - LNAPL Recovery and Monitoring" submitted.5/30/07 (M

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Shinn)LNAPL Recovery and Monitoring work plan approved. First quarterly report to be submitted on 8/31/07. 2/12/08 (M Shinn)LNAPL Recovery and Monitoring Report #1 submitted. 3/31/08 (M Shinn)LNAPL Recovery and Monitoring Report #2 submitted. 6/30/08 (M Shinn)LNAPL Recovery and Monitoring Report #3 submitted. 7/15/08 (M Shinn)RST Division Exposure Assessment issued. No human health or ecological receptors identified. Free product recovery required under 40 CFR 280.64. 7/23/08 (M Shinn)RST request for Free Product Recovery Plan, to be submitted by 9/26/08. 1/15/09 (M Shinn)LNAPL Recovery Report #4 submitted. 4/2/09 (M Shinn)"Interim Preliminary Cost Estimate - System Reburishment" submitted. 4/9/09 (M Shinn)"Interim Preliminary Cost Estimate - System Refurbishment" approved. 10/29/09 (M Shinn)2nd request for Free Product Recovery Plan, to be submitted by 11/13/09. 5/3/11 (M Shinn)"Change Order #1 Request" for IPCE-SR submitted. 5/23/11 (M Shinn)Approval of "CO#1 Request" for IPCE-SR issued. 6/8/11 (M Shinn) "Free Product Removal Plan" submitted. 8/18/11 (M Shinn)Revised "Free Product Removal Plan" submitted. 9/8/11 (M Shinn)"Free Product Removal Plan" approved. Baseline monitoring report to be submitted by 1/31/12. 2/6/12 (M Shinn)"Change Order Request #2" for IPCE submitted. 2/24/12 (M Shinn)CO #2 for IPCE approved. 7/20/12 (M Shinn)CO#3 for IPCE approved. Baseline monitoring report to be submitted by 9/28/12. 10/19/12 (M Shinn)Baseline Monitoring Report submitted. 1/23/13 (M Shinn)1st Quarter LNAPL Recovery Monitoring Report submitted. 2/6/13 (M Shinn)Request for Free Product Removal Plan Addendum issued, following report of significant free product on off-site properties for first time. Plan and cost estimate to be submitted by 5/31/13. 3/26/13 (M Shinn) 2nd Quarter LNAPL Recovery Monitoring Report submitted. 4/25/13 (M Shinn)Change Order #1 to Revised Free Product Removal Plan (for well repair) approved, 7/19/13 (Shinn)3rd Quarter LNAPL recovery report submitted. 10/21/13 (Shinn)4th Quarter LNAPL recovery report submitted. 11/15/13 (Shinn)Free Product Removal Plan Addendum submitted. 1/16/14 (Shinn)Free Product Removal Plan Addendum approved. Progress to be reported no later than 6/30/14. 3/24/14 (Shinn)5th Quarter LNAPL recovery report submitted. 6/12/14 (Shinn)6th Quarter LNAPL recovery report submitted. 9/2/14 (Shinn)7th Quarter LNAPL recovery report submitted. 9/19/14 (Shinn)8th Quarter LNAPL recovery report submitted. 1/22/15 (Shinn)9th Quarter LNAPL recovery report submitted. 5/19/15 (Shinn)10th Quarter LNAPL recovery report not submitted. RST request issued for written confirmation from responsible party that corrective action will proceed at former C-Mart #109 site (and two other NE Arkansas LUST sites). Response requested within ten days of receipt of RST letter. [SHINN 5/21/2015 1:43:44 PM].

UST:

Facility Id: 16000097
ADEQ Facility ID: 16-00523
Active Site: Yes
Above Ground: Not reported
Below Ground: Yes
Aboveground in Use: UST
Underground in Use: UST
Date Reg Cert Issued: 07/15/2015
Lust Flag: UST
Leak ID Number: 16-0016
Date Received: 06/21/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Location SIC: Not reported
Federal Flag: Yes
Contact Name: MATT CRONIN
Contact Title: MAINTENANCE SUPERVISOR
Contact Phone: 870 2436245
Certified Name: JACKIE MCCLURE
Certified Title: PRESIDENT
Date Signed: 06/15/2011
Amended: Yes
No Bill: Not reported
Facility Entry Clerk: GCRAAGG
Facility Update Date: 09/04/2012
Facility Update Clerk: LITTLER
Latitude: 35.820751
Longitude: -90.652311

Owner:

Owner ID: 011460
Owner Name: JORDAN'S KWIK STOP INC
Owner Address: PO BOX 47
Owner City,St,Zip: HARRISBURG, AR 72432-0047
Owner County: POINSETT
Owner Phone: 8705789585
Owner Type: Private Industry

AST/UST Eligible:

Facility Id: 16000097
Date Eligible: 7/19/1999
Transaction Code: CIOU
Entry Clerk: BATEMAN
Entry Date: 7/19/1999
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Certificate issued, original, UST

Facility Id: 16000097
Date Eligible: 3/7/2002
Transaction Code: CIOU
Entry Clerk: BATEMAN
Entry Date: 3/7/2002
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Certificate issued, original, UST

Facility Id: 16000097
Date Eligible: 10/27/2004
Transaction Code: CIOU
Entry Clerk: BATEMAN
Entry Date: 10/27/2004
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Certificate issued, original, UST

Facility Id: 16000097
Date Eligible: 12/7/2005
Transaction Code: CIOU
Entry Clerk: fields

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Entry Date: 12/7/2005 2:19:30 PM
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Certificate issued, original, UST

Facility Id: 16000097
Date Eligible: 2/1/2006
Transaction Code: CIOU
Entry Clerk: fields
Entry Date: 2/1/2006 12:07:48 PM
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Certificate issued, original, UST

Facility Id: 16000097
Date Eligible: 5/18/2010
Transaction Code: FAOF
Entry Clerk: WOOD
Entry Date: 5/18/2010 11:02:50 AM
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Financial Assurance on file

Facility Id: 16000097
Date Eligible: 11/17/2011
Transaction Code: FAOF
Entry Clerk: MCNAIR
Entry Date: 11/17/2011 3:30:07 PM
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Financial Assurance on file

Tank Info:

Facility ID: 16000097
Record Created By: Not reported
Record Created Date: 01/08/1991
Record Modified By: MCNAIR
Record Modified Date: 5/14/2010 11:42:40 AM
Site Assessment Date: Not reported
Site Assessment Leak: Not reported
Certificate of Compliance Final Test Date: Not reported
Certificate of Compliance Test Company License: Not reported
Certificate of Compliance Tester License: Not reported
Certificate of Compliance Installation Date: Not reported
Certificate of Compliance Install Company License: Not reported
Certificate of Compliance Installer License: Not reported

Tank ID: 1
Tank Status: In Use
Install Date: 02/09/1993
Tank Contents: Gasoline
Cercis Name: Not reported
Tank Material: STI-P3
GIS Location: Not reported
Federal Flag: X
Hazardous: Not reported
Capacity in Gallons: 12000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Number of Compartments: 1
Decode for Tstatus: In Use
Release Detection: Ground Water Monitoring, Ground Water Monitoring
Release Detection Install Date: 02/09/1993
Tank External Corrosion Protection: CPS Flag, 1999-02-24 00:00:00
Tank Ext Corrosion Protection Install Date: 02/24/1999
Pipe Material: Galvanized Steel
Pipe Type: Pressure
Pipe Release Detection: Tightness, Line Leak
Pipe Corrosion Protection: CPS
Tank Spill and Overfill Protection: Basin, Auto Flow
Pipe Repaired: Not reported
Pipe Corrosion Protection: CPS
Corrosion Protection: X
Spill and Overflow: X
Release Detection: Yes
Tank Comments: Not reported

Facility ID: 16000097
Record Created By: Not reported
Record Created Date: 01/08/1991
Record Modified By: MCNAIR
Record Modified Date: 5/14/2010 11:42:57 AM
Site Assessment Date: Not reported
Site Assessment Leak: Not reported
Certificate of Compliance Final Test Date: Not reported
Certificate of Compliance Test Company License: Not reported
Certificate of Compliance Tester License: Not reported
Certificate of Compliance Installation Date: Not reported
Certificate of Compliance Install Company License: Not reported
Certificate of Compliance Installer License: Not reported

Tank ID: 2
Tank Status: In Use
Install Date: 02/09/1993
Tank Contents: Gasoline
Cercdis Name: Not reported
Tank Material: STI-P3
GIS Location: Not reported
Federal Flag: X
Hazardous: Not reported
Capacity in Gallons: 4000
Number of Compartments: 1
Decode for Tstatus: In Use
Release Detection: Ground Water Monitoring, Ground Water Monitoring
Release Detection Install Date: 02/09/1993
Tank External Corrosion Protection: CPS Flag, 1999-02-24 00:00:00
Tank Ext Corrosion Protection Install Date: 02/24/1999
Pipe Material: Galvanized Steel
Pipe Type: Pressure
Pipe Release Detection: Tightness, Line Leak
Pipe Corrosion Protection: CPS
Tank Spill and Overfill Protection: Basin, Auto Flow
Pipe Repaired: Not reported
Pipe Corrosion Protection: CPS
Corrosion Protection: X
Spill and Overflow: X

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Release Detection: Yes
Tank Comments: Not reported

Facility ID: 16000097
Record Created By: Not reported
Record Created Date: 01/08/1991
Record Modified By: MCNAIR
Record Modified Date: 5/14/2010 11:43:10 AM

Site Assessment Date: Not reported
Site Assessment Leak: Not reported
Certificate of Compliance Final Test Date: Not reported
Certificate of Compliance Test Company License: Not reported
Certificate of Compliance Tester License: Not reported
Certificate of Compliance Installation Date: Not reported
Certificate of Compliance Install Company License: Not reported
Certificate of Compliance Installer License: Not reported

Tank ID: 3
Tank Status: In Use
Install Date: 02/09/1993
Tank Contents: Diesel
Cercdis Name: Not reported
Tank Material: STI-P3
GIS Location: Not reported
Federal Flag: X
Hazardous: Not reported

Capacity in Gallons: 4000
Number of Compartments: 1
Decode for Tstatus: In Use
Release Detection: Ground Water Monitoring, Ground Water Monitoring
Release Detection Install Date: 02/09/1993
Tank External Corrosion Protection: CPS Flag, 1999-02-24 00:00:00
Tank Ext Corrosion Protection Install Date: 02/24/1999
Pipe Material: Galvanized Steel
Pipe Type: Pressure
Pipe Release Detection: Tightness, Line Leak
Pipe Corrosion Protection: CPS
Tank Spill and Overflow Protection: Basin, Auto Flow
Pipe Repaired: Not reported
Pipe Corrosion Protection: CPS
Corrosion Protection: X
Spill and Overflow: X
Release Detection: Yes
Tank Comments: Not reported

ENFORCEMENT:

Afin or Facility ID: 1600523
Afindash: 16-00523
Type: CAO
Media: RST
CAO Executed Date: 08/22/2005
Case Type Description: Consent Administrative Order
Media Description: RST
Site ID: 5381
Case Title: Market Operations Group
Case Contact First Name: Not reported
Case Contact Last Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Case Company Name: Market Ops. Group, LLC
Case Contact Address One: 5170 Sanderlin Ave., Ste. 202
Case Contact Address Two: Not reported
Case Contact City: Memphis
Case Contact State: TN
Case Contact Zip: 381174360
Violation Comments: CAO to transfer PSTTF eligibility on two releases from Griffin Express/Griffin Petroleum to The Market Operations Group, LLC

AR Financial Assurance 3:

Region: 3
Facility Id: 16000097
Eligible Certification: Financial Assurance on file

Region: 3
Facility Id: 16000097
Eligible Certification: Financial Assurance on file

PERMITS:

Facility Type Desc: Standard
Alternate Facility Name: Not reported
Facility Status: Active
AFIN: 1600523
AFIN Status Date: Not reported
AFIN Status Desc: Active
Type Description: STD
Owner Name: JORDAN'S KWIK STOP INC
Owner ID: 011460
Secondary Facility Address: Not reported
Facility Invoice Billing Month: Not reported
Facility Invoice Phone Number: Not reported
Facility Invoice Comments: Not reported
Facility Invoice Address: Not reported
Facility Invoice City,St,Zip: Not reported
Facility Invoice Country: Not reported
Facility Telephone: 9018613582
Facility Fax: Not reported
Facility Email: Not reported
Mailing Address 1: THE MARKET OPERATIONS GRP,LLC
Mailing Address 2: 562 CENTER ST., STE.C
Mailing Country: Not reported
Other Identifier: Not reported
Primary SIC Code: Not reported
Secondary SIC Code: Not reported
Tertiary SIC Code: Not reported
Primary NAIC Code: Not reported
Secondary NAIC Code: Not reported
Tertiary NAICS Code: Not reported
GIS Original Coordinate System: Lat/Long
GIS Original Datum Code: NAD83
GIS Current Datum Code: NAD83
UTM Northing: 3966621.12
UTM Easting: 711981.18
UTM Zone: 15
Section/Township/Range: Not reported
GIS Date Measured: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

GIS Source Name:	Geocoded
GIS Collector Staff Code:	Not reported
GIS Certified Measurement:	No
GPS Receiver Type Name:	Not reported
GPS Receiver Channels:	Not reported
GIS Base Station Name:	Not reported
GIS Base Station Distance:	Not reported
GIS Min Point Positions:	Not reported
GIS Pdrop Mask:	Not reported
GIS Snr Mask:	Not reported
GIS Horizontal Accuracy:	Not reported
GIS Comment:	Original data replaced by Geocoded values on 6/6/2006 2:40:23 PM by hamptons
GIS Huc:	08020203
GIS Planning Segment:	5A
GIS Ark Sen Dist:	14
GIS Ark Rep Dist:	076
Created By:	Not reported
Record Created:	2003-06-04 09:14:00
Modified By:	Not reported
Modified Date:	2011-06-23 14:09:00
Primary SIC Desc:	Not reported
Secondary SIC Desc:	Not reported
Tertiary SIC Desc:	Not reported
Primary NAICS Desc:	Not reported
Secondary NAICS Desc:	Not reported
Tertiary NAICS Desc:	Not reported
Latitude Degree:	35
Latitude Minute:	49
Latitude Second:	15.10
Longitude Degree:	-90
Longitude Minute:	39
Longitude Second:	12.58
Latitude Decimal:	35.820863
Longitude Decimal:	-90.653493
Comments:	Not reported
Permit Number:	16000097
Permit Issued Date:	Not reported
Permit Modified Date:	Not reported
Permit Expiration Date:	Not reported
Permit Void Date:	Not reported
Permit Notice of Intent Date:	Not reported
SW Div Fac Open Closed Code:	Not reported
SW Div Fac Open Closed Desc:	Not reported
Permit Post Closure Date:	Not reported
Permit Media:	R
Permit Type:	Not reported
Permit Staff:	Not reported
Permit Status:	Not reported
Permit Status Date:	Not reported
Initial Payment Fee Inventory Number:	Not reported
Permit Fee Code:	Not reported
Permit Fee Volume:	Not reported
Permit Inventory Comment:	Not reported
Permit Inv Comment Prt:	N
Permit Inv Single Prt:	N
Permit Inv Single Lbl:	N
Permit Contact Name:	MATT CRONIN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #31 (Continued)

U001903057

Permit Contact Telephone: 870 2436245
Permit Mail Address 1: JORDAN'S KWIK STOP #31
Permit Mail Address 2: 3915 E HIGHLAND DR
Permit Mail County Code: 16
Permit Mail County Name: Craighead
Permit Mail City,St,Zip: JONESBORO, AR 72402
Permit Contact Fax Number: Not reported
Permit Contact Email Address: Not reported
Permit GIS Original Coordinate System: Lat/Long
Permit GIS Original Datum Code: NAD83
Permit GIS Current Datum Code: NAD83
Permit UTM Northing: 3966611.20
Permit UTM Easting: 712088.26
Permit UTM Zone: 15
Permit Section Township Range: Not reported
Permit GIS Date Measured: 2013-02-01 00:00:00
Permit GIS Source Name: ADEQ-GPS (postprocessed)
Permit GIS Collector Staff Code: 93162
Permit GIS Certified Measurement: No
Permit GPS Receiver Type Name: GeoXM 2008
Permit GPS Receiver Channels: 8
Permit GIS Base Station Name: CORS, Paragould, AR
Permit GIS Base Station Distance: Not reported
Permit GIS Min Point Positions: 15
Permit GIS PDOP Mask: 2
Permit GIS SNR Mask: 39
Permit GIS Horizontal Accuracy: 3.1
Permit GIS Comment: Tank; Imported by HATTENHAUER on 2/11/2013 (WK020114A_13.cor).
Permit GIS Huc: Not reported
Permit GIS Planning Segment: Not reported
Permit GIS Ark Sen Dist: Not reported
Permit GIS Ark Rep Dist: Not reported
Permit Prior Permit Number: Not reported
Permit Other Identifier: Not reported
Permit Primary SIC Code: Not reported
Permit Secondary SIC Code: Not reported
Permit Record Created: 1991-01-08 00:00:00
Permit Media Description: RST
Permit Type: Not reported
Permit Status Description: Not reported
Permit Fee Description: Not reported
Permit Staff Name: Not reported
Permit History: Not reported
Permit Comment: Not reported
Lat/Long (dms): 35 49 14.70 / -90 39 8.32

A3 THE MARKET #109
Target 3915 E HIGHLAND DR
Property JONESBORO, AR 72402

FINDS 1009589056
N/A

Site 3 of 4 in cluster A

Actual:
250 ft.

FINDS:

Registry ID: 110025062884

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK SHOP #5 (Continued)

U001903056

Permit Type: Not reported
Permit Status Description: Not reported
Permit Fee Description: No Charge
Permit Staff Name: Not reported
Permit History: Not reported
Permit Comment: Not reported
Lat/Long (dms): 35 49 7.29 / -90 39 2.36

C15 JORDAN'S KWIK STOP #2
SE 4502 EAST NETTLETON
< 1/8 JONESBORO, AR 72401
0.012 mi.
65 ft. Site 3 of 3 in cluster C

LTANKS U001219286
UST N/A
Financial Assurance
PERMITS

Relative: LTANKS:
Lower RST Facility ID: 16000042
Facility Telephone: Not reported

Actual: 249 ft.
Owner: GENERAL OIL COMPANY, INC.
Lust Owner: Not reported
Leak Date: Not reported
Leak Volume: Not reported
Substance Stored: Unknown
Release Status: Denied
Release Confirmed: Not reported
Damage Description: Not reported
Lust Tank Type: Underground Tank
Lust Discovery: Other (See Comments Tab)
Notification Date: 7/18/1991 11:32:00 AM
Cleanup Initiated: Not reported
Notification Name: CHUCK RICHESIN
Notification Address: POLLUTION MANAGEMENT, INC.
Notification Address2: 5800 EVERGREEN
Notification City,St,Zip: LITTLE ROCK, AR 72205
Notification Telephone: 5016630296
Notice Number: 160005
Received By: 26690
Tech Branch: Not reported
AFIN Number: 1600489
Emergency Response: Not reported
Emergency Response 2: Not reported
Hazard Abatement: Not reported
Remedial Action: Not reported
ISC Date: Not reported
Priority Score: Not reported
SAR Date: Not reported
Cap Submit: Not reported
Public Notify: Not reported
Cap Approve: Not reported
NFA Issued: Not reported
Funding Source: Not reported
Cleanup Lead: Not reported
Gis Location: Not reported
Lust Tank Type 2: Underground Tank
RST Modified Date: Not reported
Leak Damage: SOIL/GW CONTAMINATION POSSIBLE.
Memo: METHOD OF DISCOVERY: HYDROCARBON CONTAMINATION DISCOVERED AS RESULT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

OF PHASE I SITE ASSESSMENT.PMI TO SUBMIT IRR/ISC REPORT WITHIN 20 DAYS.- ISC RECEIVED 8/05/91 -6/25/08 (M Shinn)Corrective action was performed under a subsequent LUST (#16-0033) as a State-lead case. Closed 6/25/08. [shinn 6/25/2008 4:42:29 PM].

Owner: GENERAL OIL COMPANY, INC.
Lust Owner: Not reported
Leak Date: Not reported
Leak Volume: Not reported
Substance Stored: Unknown
Release Status: Confirmed
Release Confirmed: 10/13/2005
Damage Description: Sub Surface Soils/Groundwater
Lust Tank Type: Underground Tank
Lust Discovery: LDM Report - GW Monitoring
Notification Date: 1/3/2003 9:30:00 AM
Cleanup Initiated: 10/13/2005
Notification Name: JERRY SHARP
Notification Address: 2510 E. NETTLETON
Notification Address2: SUITE 6
Notification City,St,Zip: JONESBORO, AR 72401
Notification Telephone: 8709336944
Notice Number: 160033
Received By: 26052
Tech Branch: 10/13/2005
AFIN Number: 1600489
Emergency Response: No
Emergency Response 2: Not reported
Hazard Abatement: Not reported
Remedial Action: Ntrl Atten
ISC Date: Not reported
Priority Score: L
SAR Date: Not reported
Cap Submit: Not reported
Public Notify: Not reported
Cap Approve: Not reported
NFA Issued: 2008-06-25 00:00:00
Funding Source: Federal LUST Fund
Cleanup Lead: State
Gis Location: Not reported
Lust Tank Type 2: Underground Tank
RST Modified Date: Not reported
Leak Damage: UNKNOWN.
Memo: METHOD OF DISCOVERY: FOUND PRODUCT IN MONITORING WELL DURING MONTHLY MONITORING.SCHEDULED LINE AND TANK TIGHTNESS TEST. BAILED PRODUCT FROM WELL.JERRY SHARP OF NEA FUEL SALES, LLC, CALLED TO LET ADEQ KNOW OF A POSSIBLE RELEASE. THERE IS AN ACTIVE LUST SITE ON THE OTHERSIDE OF THE STREET THAT STILL DOES MONTHLY RECOVERY OF PRODUCTFROM THE MONITORING WELLS. A LINE AND TANK TIGHTNESS TEST HASBEEN SCHEDULED.SITE REFERRED TO THE TECNICAL BRANCH OF RST (MIKEL SHINN). - 10/13/053/12/07 (M Shinn)Case has been assigned Federal LUST Trust Case #17052. Letter this date to Terracon requesting contractor services to monitor four on-site monitoring wells for one year. Plan and cost estimate to be submitted by 4/13/07.4/25/07 (M Shinn)Final monitoring workplan received and approved by RST. First of four quarterly reports to be submitted by 6/30/07.6/26/07 (M

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

Shinn)"Results of May 2007 Groundwater Sampling Event" submitted by Terracon. 9/7/07 (M Shinn)"Results of the August 2007 Groundwater Sampling Event" submitted by Terracon. 11/30/07 (M Shinn)"Results of the November 2007 Groundwater Sampling Event" submitted by Terracon. 2/26/08 (M Shinn)"Results of the February 2008 Groundwater Sampling Event" submitted by Terracon. 4/14/08 (M Shinn)Workplan for well decommissioning received from Terracon. 5/6/08 (M Shinn)Notice to Proceed with well decommissioning issued to Terracon. Report the submitted by 6/13/08. 6/23/08 (M Shinn)Well decommissioning report submitted. 6/25/08 (M Shinn)Case closed with "NFA letter" to State contractor Terracon. [shinn 6/25/2008 4:48:04 PM].

UST:

Facility Id: 16000042
ADEQ Facility ID: 16-00489
Active Site: Yes
Above Ground: Not reported
Below Ground: Yes
Aboveground in Use: UST
Underground in Use: UST
Date Reg Cert Issued: 07/15/2015
Lust Flag: UST
Leak ID Number: 16-0005,16-0033
Date Received: 06/21/2011
Location SIC: Not reported
Federal Flag: Yes
Contact Name: MATT CRONIN
Contact Title: MAINTENANCE SUPERVIS
Contact Phone: 870-243-6245
Certified Name: JACKIE MCCLURE
Certified Title: PRESIDENT
Date Signed: 06/15/2011
Amended: Yes
No Bill: Not reported
Facility Entry Clerk: BRADFORD
Facility Update Date: 09/04/2012
Facility Update Clerk: LITTLER
Latitude: 35.820493
Longitude: -90.651888

Owner:

Owner ID: 011460
Owner Name: JORDAN'S KWIK STOP INC
Owner Address: PO BOX 47
Owner City, St, Zip: HARRISBURG, AR 72432-0047
Owner County: POINSETT
Owner Phone: 8705789585
Owner Type: Private Industry

AST/UST Eligible:

Facility Id: 16000042
Date Eligible: 11/21/1991
Transaction Code: CIOU
Entry Clerk: GCRAAGG
Entry Date: 11/21/1991
Update Clerk: Not reported
Update Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

Eligibility Description: Certificate issued, original, UST

Facility Id: 16000042
Date Eligible: 3/18/2010
Transaction Code: FAOF
Entry Clerk: fields
Entry Date: 3/18/2010 9:59:14 AM
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Financial Assurance on file

Facility Id: 16000042
Date Eligible: 11/17/2011
Transaction Code: FAOF
Entry Clerk: MCNAIR
Entry Date: 11/17/2011 3:30:49 PM
Update Clerk: Not reported
Update Date: Not reported
Eligibility Description: Financial Assurance on file

Tank Info:

Facility ID: 16000042
Record Created By: Not reported
Record Created Date: Not reported
Record Modified By: SINGLETONM
Record Modified Date: 6/24/2011 12:56:55 PM
Site Assessment Date: Not reported
Site Assessment Leak: Not reported
Certificate of Compliance Final Test Date: 05/28/1998
Certificate of Compliance Test Company License: 000059
Certificate of Compliance Tester License: 000059
Certificate of Compliance Installation Date: Not reported
Certificate of Compliance Install Company License: Not reported
Certificate of Compliance Installer License: Not reported

Tank ID: 1
Tank Status: In Use
Install Date: 07/15/1971
Tank Contents: Gasoline
Cercdis Name: Not reported
Tank Material: Steel, External Liner
GIS Location: Not reported
Federal Flag: X
Hazardous: Not reported
Capacity in Gallons: 8000
Number of Compartments: 1
Decode for Tstatus: In Use
Release Detection: Tightness
Release Detection Install Date: Not reported
Tank External Corrosion Protection: Lined
Tank Ext Corrosion Protection Install Date: 05/27/1998
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Pipe Release Detection: Tightness, Line Leak
Pipe Corrosion Protection: Fiberglass Reinforced Plastic
Tank Spill and Overfill Protection: Basin, Auto Shutoff, Auto Flow
Pipe Repaired: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

Pipe Corrosion Protection: Fiberglass Reinforced Plastic
Corrosion Protection: X
Spill and Overflow: X
Release Detection: Yes
Tank Comments: Not reported

Facility ID: 16000042
Record Created By: Not reported
Record Created Date: Not reported
Record Modified By: SINGLETONM
Record Modified Date: 6/24/2011 12:57:36 PM
Site Assessment Date: Not reported
Site Assessment Leak: Not reported
Certificate of Compliance Final Test Date: 05/28/1998
Certificate of Compliance Test Company License: 000059
Certificate of Compliance Tester License: 000059
Certificate of Compliance Installation Date: Not reported
Certificate of Compliance Install Company License: Not reported
Certificate of Compliance Installer License: Not reported

Tank ID: 2
Tank Status: In Use
Install Date: 07/15/1971
Tank Contents: Gasoline
Cercdis Name: Not reported
Tank Material: Steel, External Liner
GIS Location: Not reported
Federal Flag: X
Hazardous: Not reported
Capacity in Gallons: 8000
Number of Compartments: 1
Decode for Tstatus: In Use
Release Detection: Tightness
Release Detection Install Date: Not reported
Tank External Corrosion Protection: Lined
Tank Ext Corrosion Protection Install Date: 05/27/1998
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Pipe Release Detection: Tightness, Line Leak
Pipe Corrosion Protection: Fiberglass Reinforced Plastic
Tank Spill and Overfill Protection: Basin, Auto Shutoff, Auto Flow
Pipe Repaired: Not reported
Pipe Corrosion Protection: Fiberglass Reinforced Plastic
Corrosion Protection: X
Spill and Overflow: X
Release Detection: Yes
Tank Comments: Not reported

AR Financial Assurance 3:

Region: 3
Facility Id: 16000042
Eligible Certification: Financial Assurance on file

Region: 3
Facility Id: 16000042
Eligible Certification: Financial Assurance on file

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

PERMITS:

Facility Type Desc:	Standard
Alternate Facility Name:	Not reported
Facility Status:	Active
AFIN:	1600489
AFIN Status Date:	Not reported
AFIN Status Desc:	Active
Type Description:	STD
Owner Name:	JORDAN'S KWIK STOP INC
Owner ID:	011460
Secondary Facility Address:	Not reported
Facility Invoice Billing Month:	Not reported
Facility Invoice Phone Number:	Not reported
Facility Invoice Comments:	Not reported
Facility Invoice Address:	Not reported
Facility Invoice City,St,Zip:	Not reported
Facility Invoice Country:	Not reported
Facility Telephone:	Not reported
Facility Fax:	Not reported
Facility Email:	Not reported
Mailing Address 1:	Not reported
Mailing Country:	Not reported
Other Identifier:	Not reported
Primary SIC Code:	Not reported
Secondary SIC Code:	Not reported
Tertiary SIC Code:	Not reported
Primary NAIC Code:	Not reported
Secondary NAIC Code:	Not reported
Tertiary NAICS Code:	Not reported
GIS Original Coordinate System:	Lat/Long
GIS Original Datum Code:	NAD83
GIS Current Datum Code:	NAD83
UTM Northing:	3966329.33
UTM Easting:	712325.31
UTM Zone:	15
Section/Township/Range:	Not reported
GIS Date Measured:	Not reported
GIS Source Name:	Geocoded
GIS Collector Staff Code:	Not reported
GIS Certified Measurement:	No
GPS Receiver Type Name:	Not reported
GPS Receiver Channels:	Not reported
GIS Base Station Name:	Not reported
GIS Base Station Distance:	Not reported
GIS Min Point Positions:	Not reported
GIS Pdrop Mask:	Not reported
GIS Snr Mask:	Not reported
GIS Horizontal Accuracy:	Not reported
GIS Comment:	Original data replaced by Geocoded values on 6/6/2006 2:29:17 PM by hamptons
GIS Huc:	08020203
GIS Planning Segment:	5A
GIS Ark Sen Dist:	14
GIS Ark Rep Dist:	076
Created By:	Not reported
Record Created:	2003-01-30 11:29:00
Modified By:	Not reported
Modified Date:	2011-06-24 12:55:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

Primary SIC Desc: Not reported
Secondary SIC Desc: Not reported
Tertiary SIC Desc: Not reported
Primary NAICS Desc: Not reported
Secondary NAICS Desc: Not reported
Tertiary NAICS Desc: Not reported
Latitude Degree: 35
Latitude Minute: 49
Latitude Second: 5.38
Longitude Degree: -90
Longitude Minute: 38
Longitude Second: 59.15
Latitude Decimal: 35.818160
Longitude Decimal: -90.649764
Comments: Not reported
Permit Number: 16000042
Permit Issued Date: Not reported
Permit Modified Date: Not reported
Permit Expiration Date: Not reported
Permit Void Date: Not reported
Permit Notice of Intent Date: Not reported
SW Div Fac Open Closed Code: Not reported
SW Div Fac Open Closed Desc: Not reported
Permit Post Closure Date: Not reported
Permit Media: R
Permit Type: Not reported
Permit Staff: Not reported
Permit Status: Not reported
Permit Status Date: Not reported
Initial Payment Fee Inventory Number: Not reported
Permit Fee Code: Not reported
Permit Fee Volume: Not reported
Permit Inventory Comment: Not reported
Permit Inv Comment Prt: N
Permit Inv Single Prt: N
Permit Inv Single Lbl: N
Permit Contact Name: MATT CRONIN
Permit Contact Telephone: 8702436245
Permit Mail Address 1: JORDAN'S KWIK STOP #2
Permit Mail Address 2: 4502 EAST NETTLETON
Permit Mail County Code: 16
Permit Mail County Name: Craighead
Permit Mail City,St,Zip: JONESBORO, AR 72401
Permit Contact Fax Number: Not reported
Permit Contact Email Address: Not reported
Permit GIS Original Coordinate System: Lat/Long
Permit GIS Original Datum Code: NAD83
Permit GIS Current Datum Code: NAD83
Permit UTM Northing: 3966583.50
Permit UTM Easting: 712127.16
Permit UTM Zone: 15
Permit Section Township Range: Not reported
Permit GIS Date Measured: 2013-02-14 00:00:00
Permit GIS Source Name: ADEQ-GPS (postprocessed)
Permit GIS Collector Staff Code: 93162
Permit GIS Certified Measurement: No
Permit GPS Receiver Type Name: GeoXM 2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JORDAN'S KWIK STOP #2 (Continued)

U001219286

Permit GPS Receiver Cannels: 8
Permit GIS Base Station Name: CORS, Paragould, AR
Permit GIS Base Station Distance: Not reported
Permit GIS Min Point Positions: 15
Permit GIS PDOP Mask: 3
Permit GIS SNR Mask: 39
Permit GIS Horizontal Accuracy: 2.4
Permit GIS Comment: Tank; Imported by HATTENHAUER on 2/15/2013 (WK021412A_13.cor).
Permit GIS Huc: Not reported
Permit GIS Planning Segment: Not reported
Permit GIS Ark Sen Dist: Not reported
Permit GIS Ark Rep Dist: Not reported
Permit Prior Permit Number: Not reported
Permit Other Identifier: Not reported
Permit Primary SIC Code: Not reported
Permit Secondary SIC Code: Not reported
Permit Record Created: 1991-08-06 00:00:00
Permit Media Description: RST
Permit Type: Not reported
Permit Status Description: Not reported
Permit Fee Description: Not reported
Permit Staff Name: Not reported
Permit History: Not reported
Permit Comment: Not reported
Lat/Long (dms): 35 49 13.77 / -90 39 6.80

16
NNW
< 1/8
0.072 mi.
379 ft.

AIRPORT PUMPING STATION
IRBY STREET
JONESBORO, AR 72401

UST U001219304
PERMITS N/A

Relative:
Higher

UST:

Actual:
253 ft.

Facility Id: 16000068
ADEQ Facility ID: 16-00642
Active Site: Not reported
Above Ground: Not reported
Below Ground: Yes
Aboveground in Use: UST
Underground in Use: UST
Date Reg Cert Issued: Not reported
Lust Flag: UST
Leak ID Number: Not reported
Date Received: 04/17/1986
Location SIC: Not reported
Federal Flag: Yes
Contact Name: NELSON CHILDERS
Contact Title: TECHNICAL SPECIALIST
Contact Phone: 501-935-5581
Certified Name: JAMES A. REED
Certified Title: MANAGER
Date Signed: 04/14/1986
Amended: No
No Bill: Not reported
Facility Entry Clerk: TERESA
Facility Update Date: Not reported
Facility Update Clerk: Not reported



Job 100824
BNSF Railroad Overpass (Jonesboro)
FAP Number STM-TDG6(1)

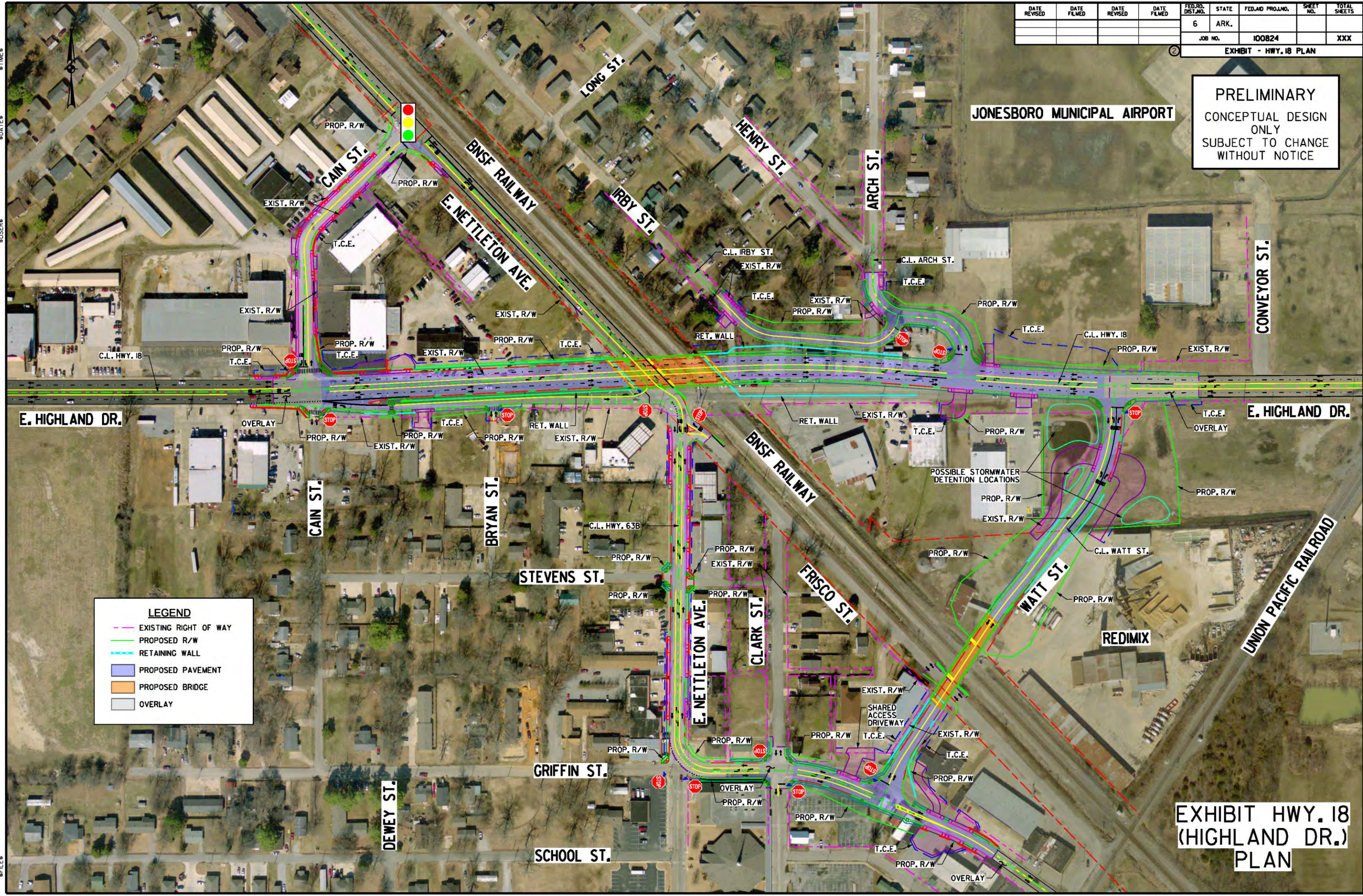
Attachment I

Preliminary Plan and Profiles

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO.	100824	XXX

EXHIBIT - HWY. 18 PLAN

PRELIMINARY
CONCEPTUAL DESIGN
ONLY
SUBJECT TO CHANGE
WITHOUT NOTICE



LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED R/W
- RETAINING WALL
- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- OVERLAY

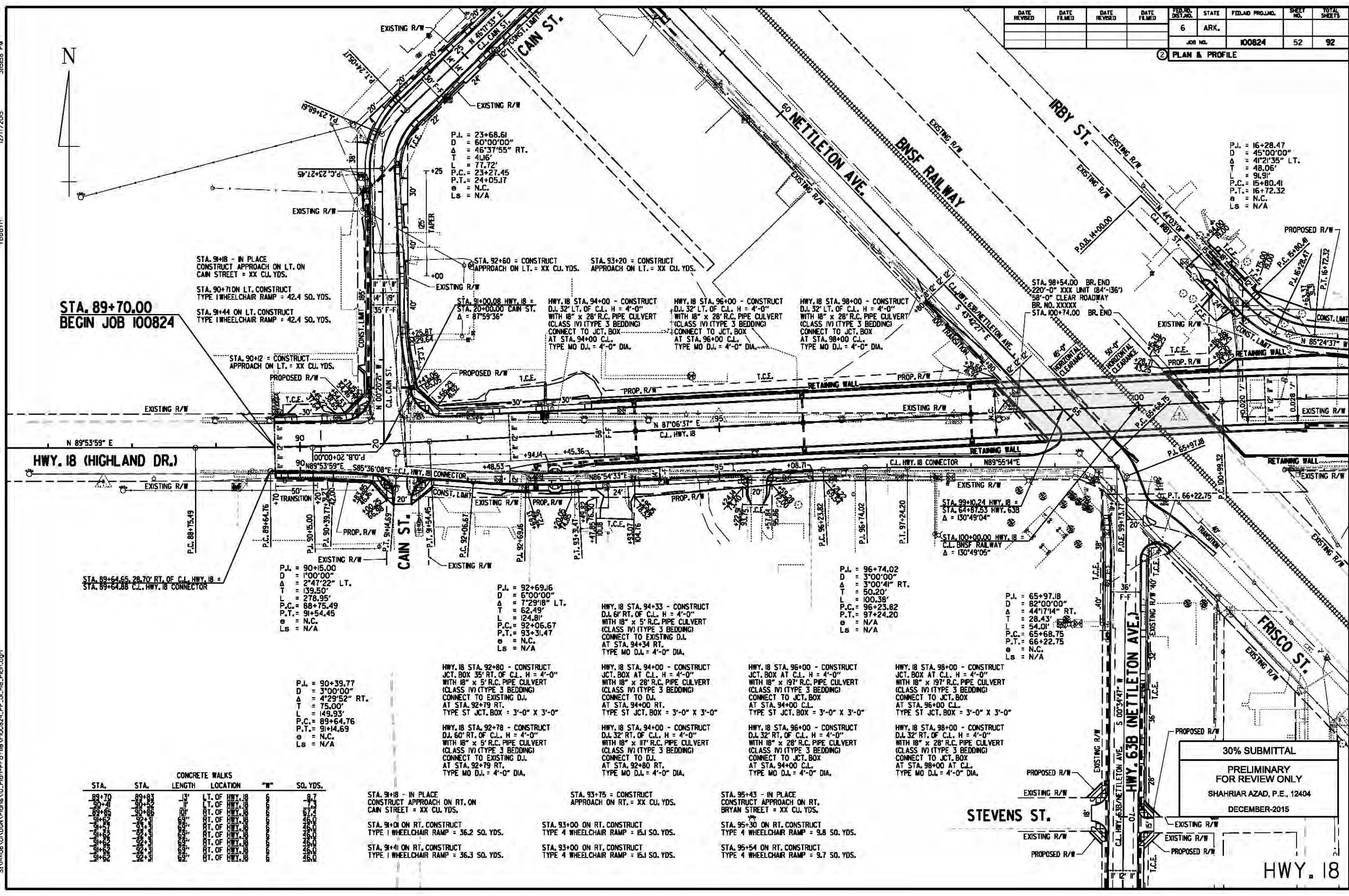
**EXHIBIT HWY. 18
(HIGHLAND DR.)
PLAN**

\$TIMES
 \$DATE\$
 \$USER\$
 \$FILE\$

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		52	92
				JOB NO. 100824				

PLAN & PROFILE

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**STA. 89+70.00
BEGIN JOB 100824**

STA. 91+18 - IN PLACE
CONSTRUCT APPROACH ON LT. ON
CAN STREET = XX CU. YDS.

 STA. 90+71 ON LT. CONSTRUCT
TYPE I WHEELCHAIR RAMP = 42.4 SQ. YDS.

 STA. 91+44 ON LT. CONSTRUCT
TYPE I WHEELCHAIR RAMP = 42.4 SQ. YDS.

P.I. = 23+68.61
 D = 60°00'00"
 Δ = 46°37'55" RT.
 T = 41.16'
 L = 77.72'
 P.C. = 23+27.45
 P.T. = 24+05.17
 e = N.C.
 Ls = N/A

P.I. = 16+28.47
 D = 45°00'00"
 Δ = 41°21'35" LT.
 T = 48.06'
 L = 91.91'
 P.C. = 15+80.41
 P.T. = 16+72.32
 e = N.C.
 Ls = N/A

STA. 89+64.65 28.70' RT. OF C.L. HWY. 18 =
 STA. 89+64.88 C.L. HWY. 18 CONNECTOR

P.I. = 90+15.00
 D = 1°00'00"
 Δ = 2°47'22" LT.
 T = 139.50'
 L = 278.95'
 P.C. = 88+75.49
 P.T. = 91+54.45
 e = N.C.
 Ls = N/A

P.I. = 92+69.16
 D = 6°00'00"
 Δ = 7°29'18" LT.
 T = 62.49'
 L = 124.81'
 P.C. = 92+06.67
 P.T. = 93+31.47
 e = N.C.
 Ls = N/A

P.I. = 96+74.02
 D = 3°00'00"
 Δ = 3°00'41" RT.
 T = 50.20'
 L = 100.38'
 P.C. = 96+23.82
 P.T. = 97+24.20
 e = N/A
 Ls = N/A

P.I. = 65+97.18
 D = 82°00'00"
 Δ = 44°17'14" RT.
 T = 28.43'
 L = 54.01'
 P.C. = 65+68.75
 P.T. = 66+22.75
 e = N.C.
 Ls = N/A

P.I. = 90+39.77
 D = 3°00'00"
 Δ = 4°29'52" RT.
 T = 75.00'
 L = 149.93'
 P.C. = 89+64.76
 P.T. = 91+14.69
 e = N.C.
 Ls = N/A

HWY. 18 STA. 92+80 - CONSTRUCT
 JCT. BOX 35' RT. OF C.L. H = 4'-0"
 WITH 18" x 5' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO EXISTING D.I.
 AT STA. 92+79 RT.
 TYPE ST JCT. BOX = 3'-0" x 3'-0"

HWY. 18 STA. 92+78 - CONSTRUCT
 D.I. 60' RT. OF C.L. H = 4'-0"
 WITH 18" x 5' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO EXISTING D.I.
 AT STA. 92+79 RT.
 TYPE MO D.I. = 4'-0" DIA.

HWY. 18 STA. 94+33 - CONSTRUCT
 D.I. 6' RT. OF C.L. H = 4'-0"
 WITH 18" x 5' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO EXISTING D.I.
 AT STA. 94+34 RT.
 TYPE MO D.I. = 4'-0" DIA.

HWY. 18 STA. 94+00 - CONSTRUCT
 JCT. BOX AT C.L. H = 4'-0"
 WITH 18" x 28' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.I.
 AT STA. 94+00 RT.
 TYPE ST JCT. BOX = 3'-0" x 3'-0"

HWY. 18 STA. 94+00 - CONSTRUCT
 D.I. 32' RT. OF C.L. H = 4'-0"
 WITH 18" x 17' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.I.
 AT STA. 92+80 RT.
 TYPE MO D.I. = 4'-0" DIA.

HWY. 18 STA. 96+00 - CONSTRUCT
 JCT. BOX AT C.L. H = 4'-0"
 WITH 18" x 19' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO JCT. BOX
 AT STA. 94+00 C.L.
 TYPE ST JCT. BOX = 3'-0" x 3'-0"

HWY. 18 STA. 96+00 - CONSTRUCT
 D.I. 32' RT. OF C.L. H = 4'-0"
 WITH 18" x 28' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.I.
 AT STA. 94+00 C.L.
 TYPE MO D.I. = 4'-0" DIA.

HWY. 18 STA. 98+00 - CONSTRUCT
 JCT. BOX AT C.L. H = 4'-0"
 WITH 18" x 19' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO JCT. BOX
 AT STA. 96+00 C.L.
 TYPE ST JCT. BOX = 3'-0" x 3'-0"

HWY. 18 STA. 98+00 - CONSTRUCT
 D.I. 32' RT. OF C.L. H = 4'-0"
 WITH 18" x 28' R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO JCT. BOX
 AT STA. 98+00 AT C.L.
 TYPE MO D.I. = 4'-0" DIA.

STA.	STA.	CONCRETE WALKS LENGTH LOCATION "W"	SQ. YDS.
89+70	89+83	LT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7
89+83	89+83	RT. OF HWY. 18	8.7

STA. 91+18 - IN PLACE
 CONSTRUCT APPROACH ON RT. ON
 CAN STREET = XX CU. YDS.

 STA. 91+01 ON RT. CONSTRUCT
 TYPE I WHEELCHAIR RAMP = 36.2 SQ. YDS.

 STA. 91+41 ON RT. CONSTRUCT
 TYPE I WHEELCHAIR RAMP = 36.3 SQ. YDS.

STA. 93+75 = CONSTRUCT
 APPROACH ON RT. = XX CU. YDS.

 STA. 93+00 ON RT. CONSTRUCT
 TYPE 4 WHEELCHAIR RAMP = 15.1 SQ. YDS.

 STA. 93+00 ON RT. CONSTRUCT
 TYPE 4 WHEELCHAIR RAMP = 15.1 SQ. YDS.

STA. 95+43 - IN PLACE
 CONSTRUCT APPROACH ON RT.
 BRYAN STREET = XX CU. YDS.

 STA. 95+30 ON RT. CONSTRUCT
 TYPE 4 WHEELCHAIR RAMP = 9.8 SQ. YDS.

 STA. 95+54 ON RT. CONSTRUCT
 TYPE 4 WHEELCHAIR RAMP = 9.7 SQ. YDS.

30% SUBMITTAL

 PRELIMINARY
 FOR REVIEW ONLY
 SHAHRIAR AZAD, P.E., 12404
 DECEMBER-2015

HWY. 18

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12/17/2015

tbooth

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ALL R.C. PIPE CULVERTS SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED. FOR ALL R.C. PIPE INSTALLATIONS USE TYPE 3 BEDDING UNLESS OTHERWISE SPECIFIED. FOR ALL C.M. PIPE CULVERT INSTALLATIONS USE TYPE 2 BEDDING UNLESS OTHERWISE SPECIFIED.

REFER TO SURVEY CONTROL DETAIL SHEETS FOR HORIZONTAL AND VERTICAL CONTROL DATA.

30% SUBMITTAL

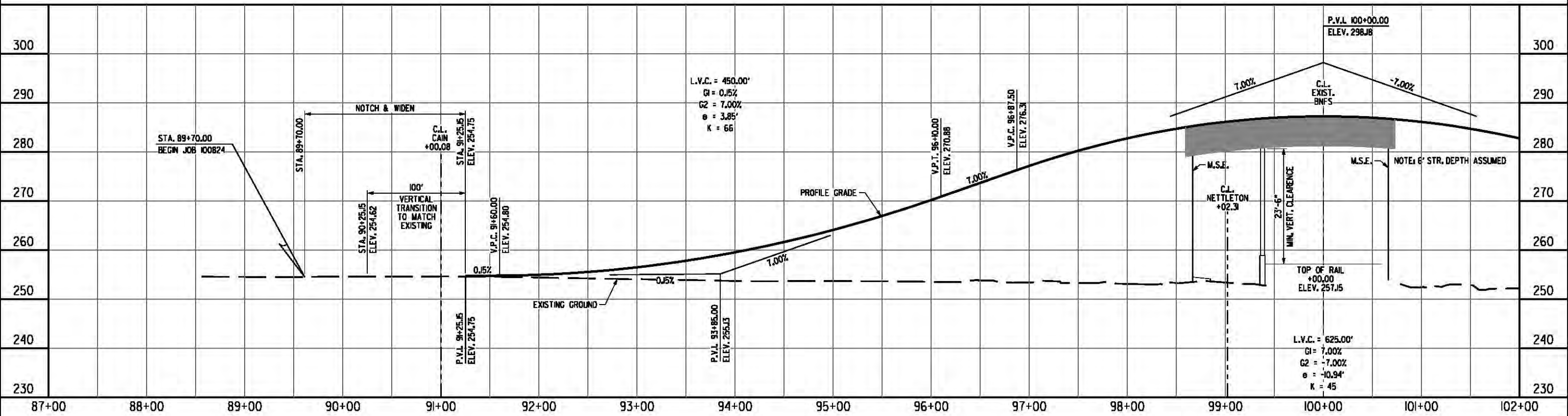
PRELIMINARY FOR REVIEW ONLY

SHAHRIAR AZAD, P.E., 12404

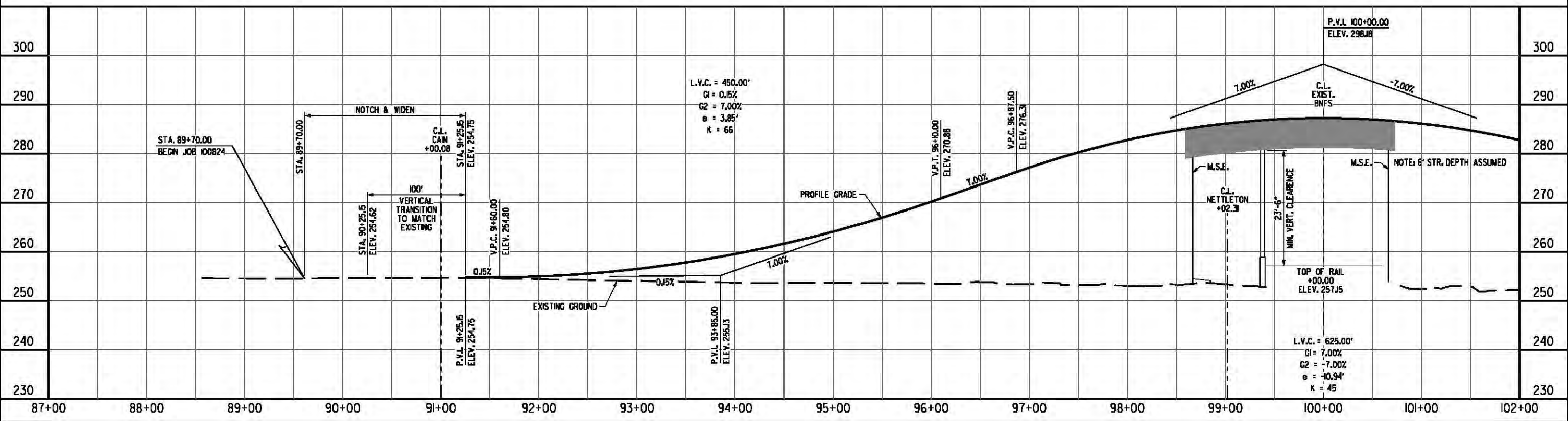
DECEMBER-2015

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		53	92
							JOB NO. 100824	
PLAN & PROFILE								

LEFT SIDE OF HWY. 18



RIGHT SIDE OF HWY. 18

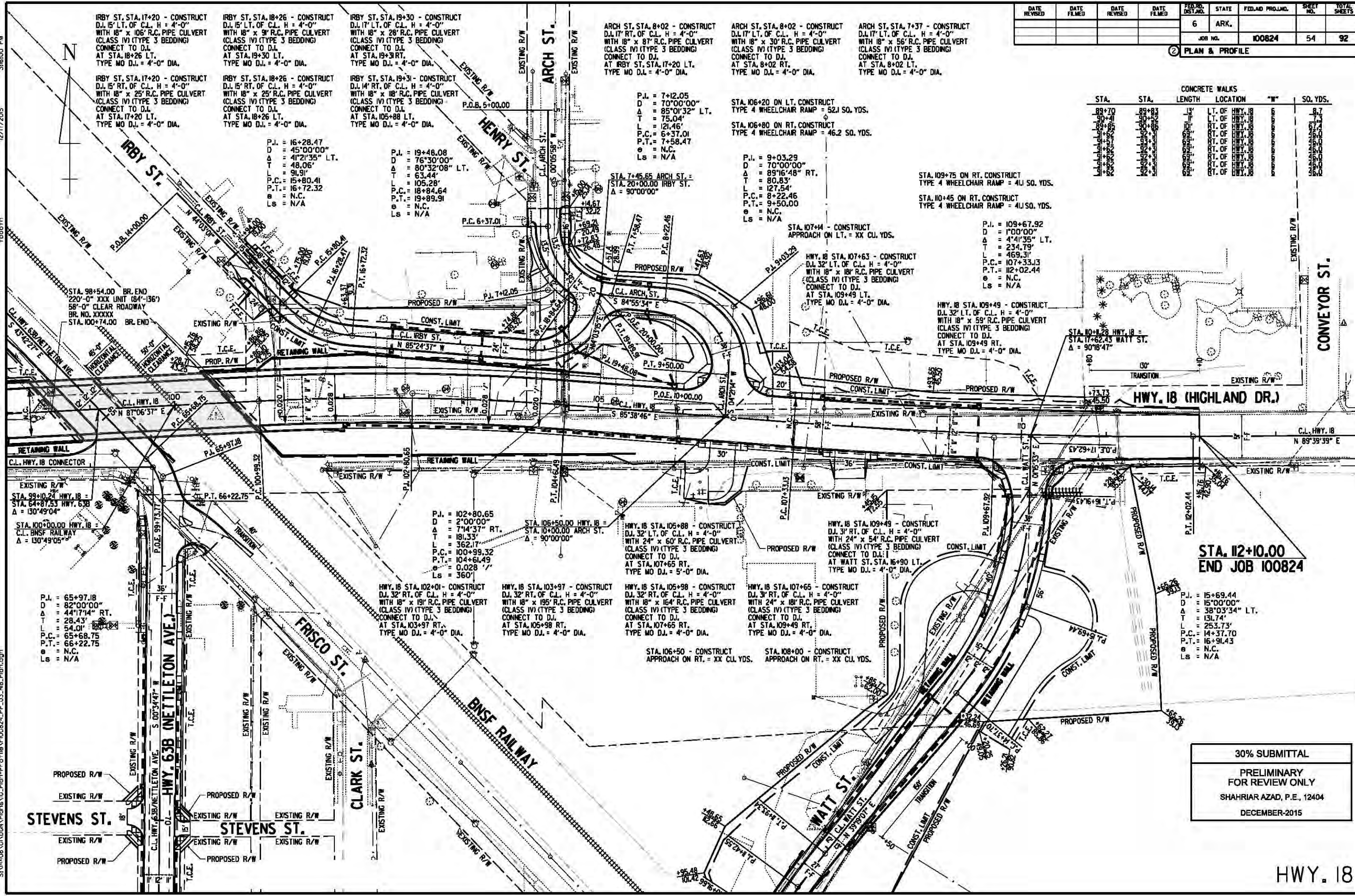


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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		54	92

PLAN & PROFILE

STA.	STA.	CONCRETE WALKS	LENGTH	LOCATION	"W"	SO. YDS.
89+70	89+83	L.T. OF HWY. 18	13'			8.7
89+83	89+96	L.T. OF HWY. 18	13'			8.7
89+96	90+09	R.T. OF HWY. 18	13'			8.7
90+09	90+22	R.T. OF HWY. 18	13'			8.7
90+22	90+35	R.T. OF HWY. 18	13'			8.7
90+35	90+48	R.T. OF HWY. 18	13'			8.7
90+48	90+61	R.T. OF HWY. 18	13'			8.7
90+61	90+74	R.T. OF HWY. 18	13'			8.7
90+74	90+87	R.T. OF HWY. 18	13'			8.7
90+87	91+00	R.T. OF HWY. 18	13'			8.7



STA. 112+10.00
END JOB 100824

30% SUBMITTAL

PRELIMINARY
FOR REVIEW ONLY

SHAHRIAR AZAD, P.E., 12404

DECEMBER-2015

HWY. 18

ALL R.C. PIPE CULVERTS SHALL BE CLASS II UNLESS OTHERWISE SPECIFIED. FOR ALL R.C. PIPE INSTALLATIONS USE TYPE 3 BEDDING UNLESS OTHERWISE SPECIFIED. FOR ALL C.M. PIPE CULVERT INSTALLATIONS USE TYPE 2 BEDDING UNLESS OTHERWISE SPECIFIED.

REFER TO SURVEY CONTROL DETAIL SHEETS FOR HORIZONTAL AND VERTICAL CONTROL DATA.

30% SUBMITTAL

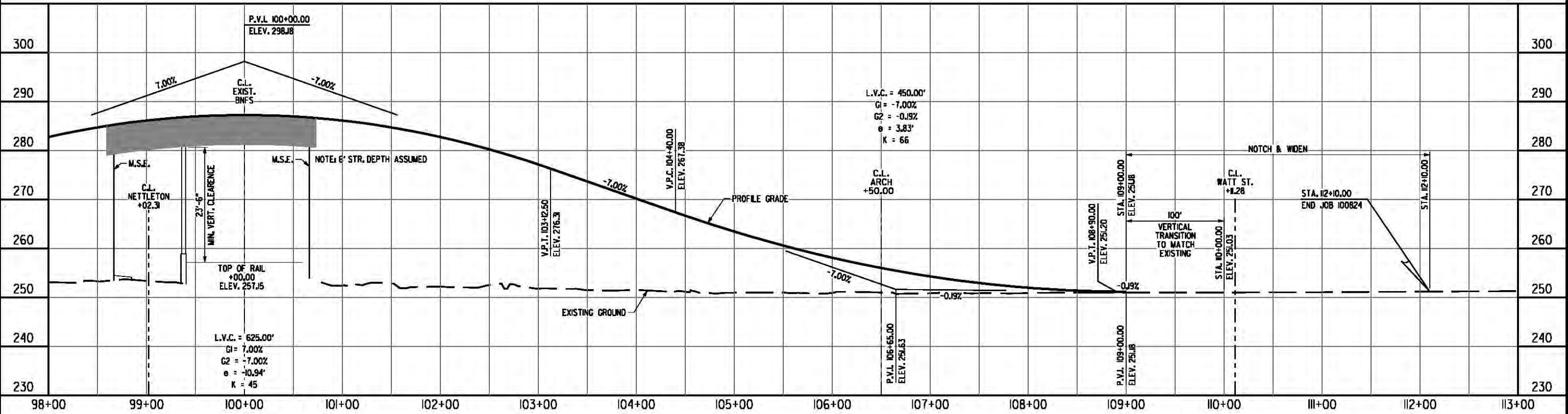
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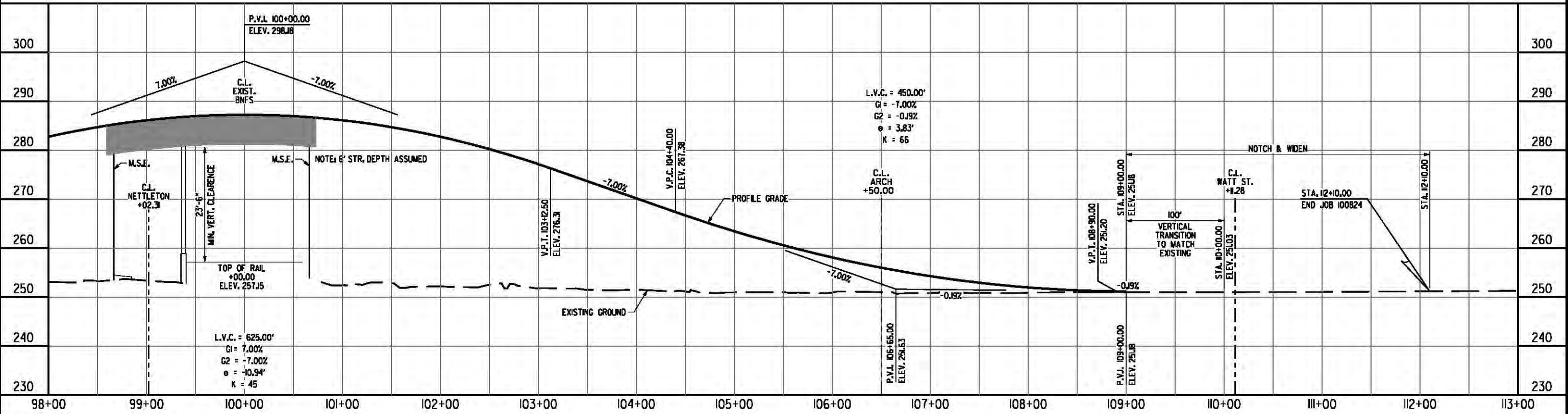
DECEMBER-2015

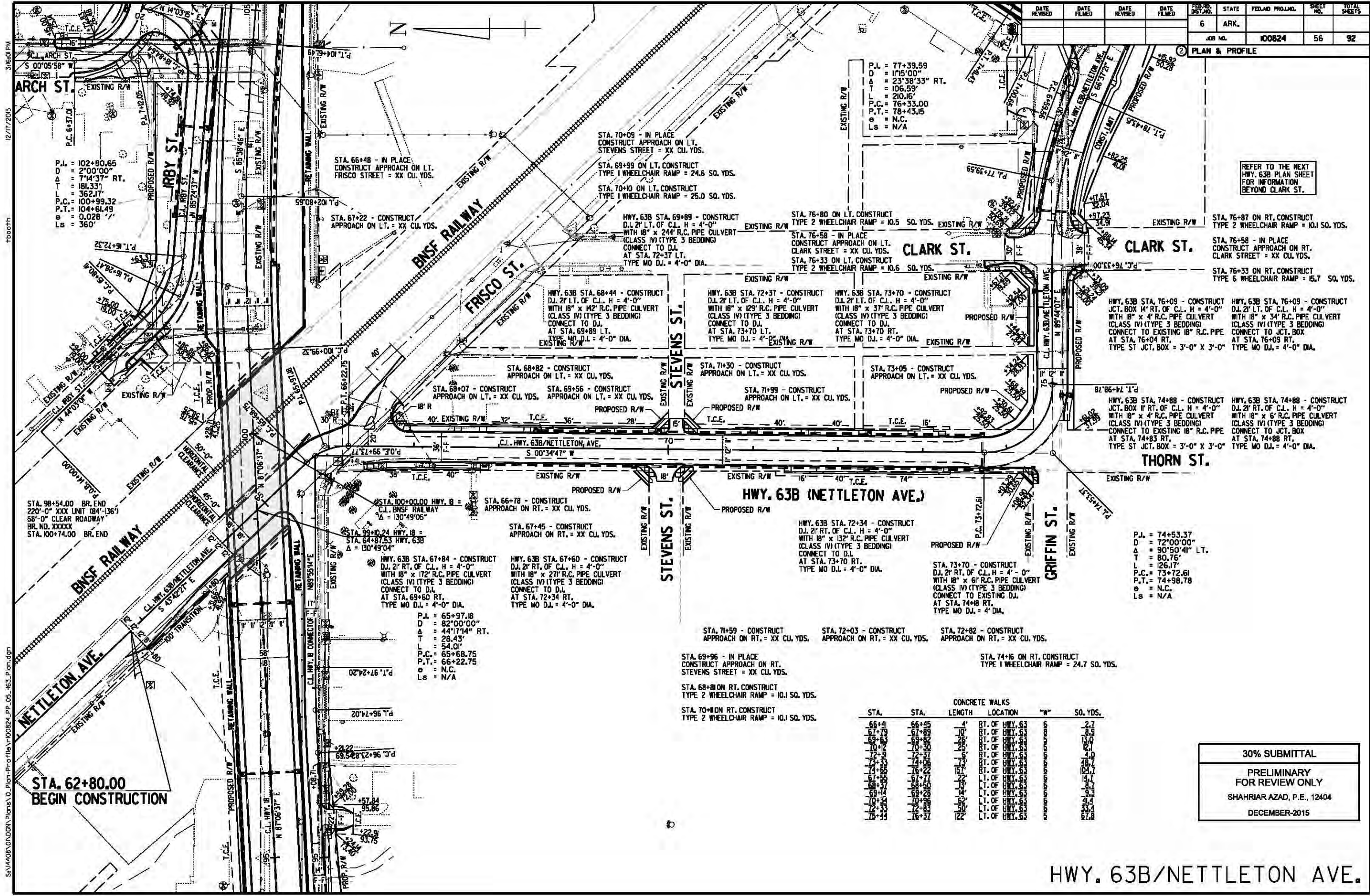
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		55	92
						JOB NO. 100824		
PLAN & PROFILE								

LEFT SIDE OF HWY. 18



RIGHT SIDE OF HWY. 18





DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		56	92
				JOB NO.		100824		

PLAN & PROFILE

REFER TO THE NEXT HWY. 63B PLAN SHEET FOR INFORMATION BEYOND CLARK ST.

STA. 76+87 ON RT. CONSTRUCT TYPE 2 WHEELCHAIR RAMP = 10.1 SO. YDS.
 STA. 76+58 - IN PLACE CONSTRUCT APPROACH ON RT. CLARK STREET = XX CU. YDS.
 STA. 76+33 ON RT. CONSTRUCT TYPE 6 WHEELCHAIR RAMP = 15.7 SO. YDS.

HWY. 63B STA. 76+09 - CONSTRUCT JCT. BOX 14' RT. OF C.L. H = 4'-0" WITH 18" x 4' R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO EXISTING 18" R.C. PIPE AT STA. 76+04 RT. TYPE ST JCT. BOX = 3'-0" X 3'-0" TYPE MO D.J. = 4'-0" DIA.

HWY. 63B STA. 74+88 - CONSTRUCT JCT. BOX 11' RT. OF C.L. H = 4'-0" WITH 18" x 6' R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO JCT. BOX AT STA. 74+88 RT. TYPE MO D.J. = 4'-0" DIA.

P.I. = 74+53.37
 D = 72'00"00"
 Δ = 90°50'41" RT.
 T = 80.76'
 L = 126.17'
 P.C. = 73+72.61
 P.T. = 74+98.78
 e = N.C.
 Ls = N/A

P.I. = 77+39.59
 D = 11'15"00"
 Δ = 23°38'33" RT.
 T = 106.59'
 L = 210.16'
 P.C. = 76+33.00
 P.T. = 78+43.15
 e = N.C.
 Ls = N/A

P.I. = 102+80.65
 D = 2'00"00"
 Δ = 71°43'37" RT.
 T = 181.33'
 L = 362.17'
 P.C. = 100+99.32
 P.T. = 104+61.49
 e = 0.028
 Ls = 360'

STA.		CONCRETE WALKS	SO. YDS.
STA.	STA.	LENGTH LOCATION "W"	
66+41	66+45	4' RT. OF HWY. 63	2.7
67+79	67+89	10' RT. OF HWY. 63	8.9
69+63	69+82	19' RT. OF HWY. 63	13.0
70+12	70+30	18' RT. OF HWY. 63	12.1
72+3	72+37	34' RT. OF HWY. 63	4.0
73+33	74+06	73' RT. OF HWY. 63	48.7
74+69	76+22	153' RT. OF HWY. 63	104.7
67+59	67+77	18' LT. OF HWY. 63	14.7
68+37	68+50	13' LT. OF HWY. 63	8.3
69+14	69+28	14' LT. OF HWY. 63	9.3
70+34	70+96	62' LT. OF HWY. 63	41.4
72+33	72+89	56' LT. OF HWY. 63	33.0
75+44	76+37	93' LT. OF HWY. 63	52.8

30% SUBMITTAL
 PRELIMINARY FOR REVIEW ONLY
 SHAHRIAR AZAD, P.E., 12404
 DECEMBER-2015

HWY. 63B/NETTLETON AVE.

12/17/2015 3:46:01 PM tbooth S:\14\08\QINDM\Plane\10_Plan-Pro\file\100824_PP_05_163_Plan.dgn

3/16/02 PM 12/17/2015 tbooth S:\1408\01\DCM\Plans\0_Plan-Profile\140824_PP_06_H63_Profile.dgn

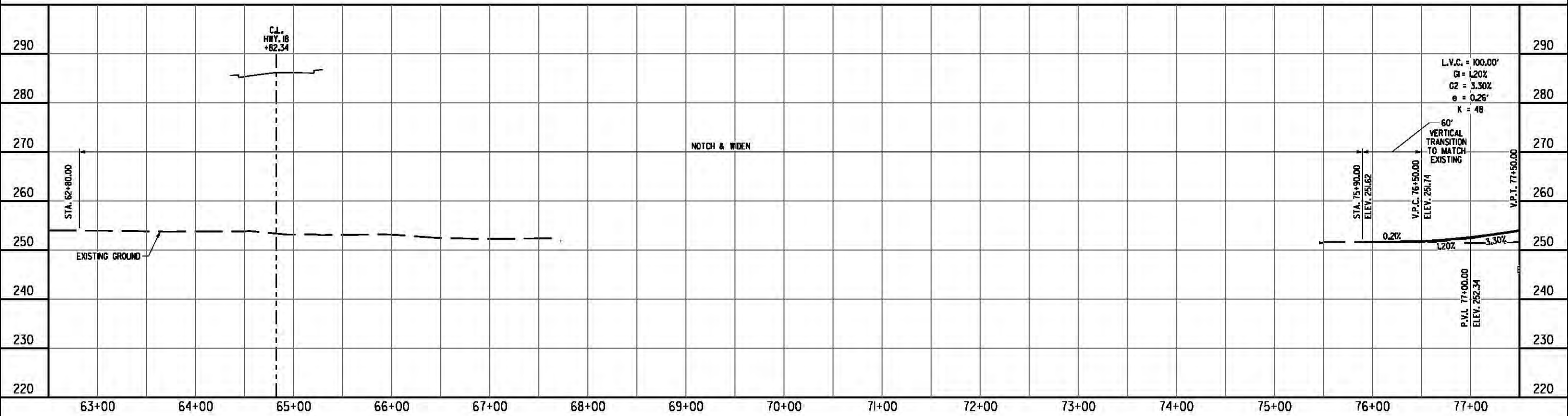
ALL R.C. PIPE CULVERTS SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED. FOR ALL R.C. PIPE INSTALLATIONS USE TYPE 3 BEDDING UNLESS OTHERWISE SPECIFIED. FOR ALL C.M. PIPE CULVERT INSTALLATIONS USE TYPE 2 BEDDING UNLESS OTHERWISE SPECIFIED.

REFER TO SURVEY CONTROL DETAIL SHEETS FOR HORIZONTAL AND VERTICAL CONTROL DATA.

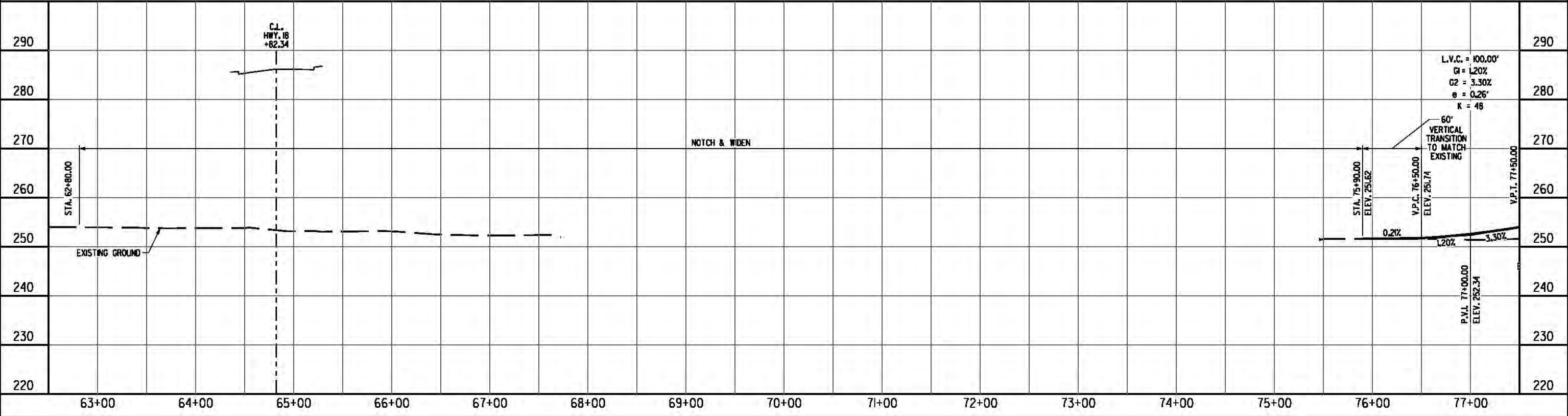
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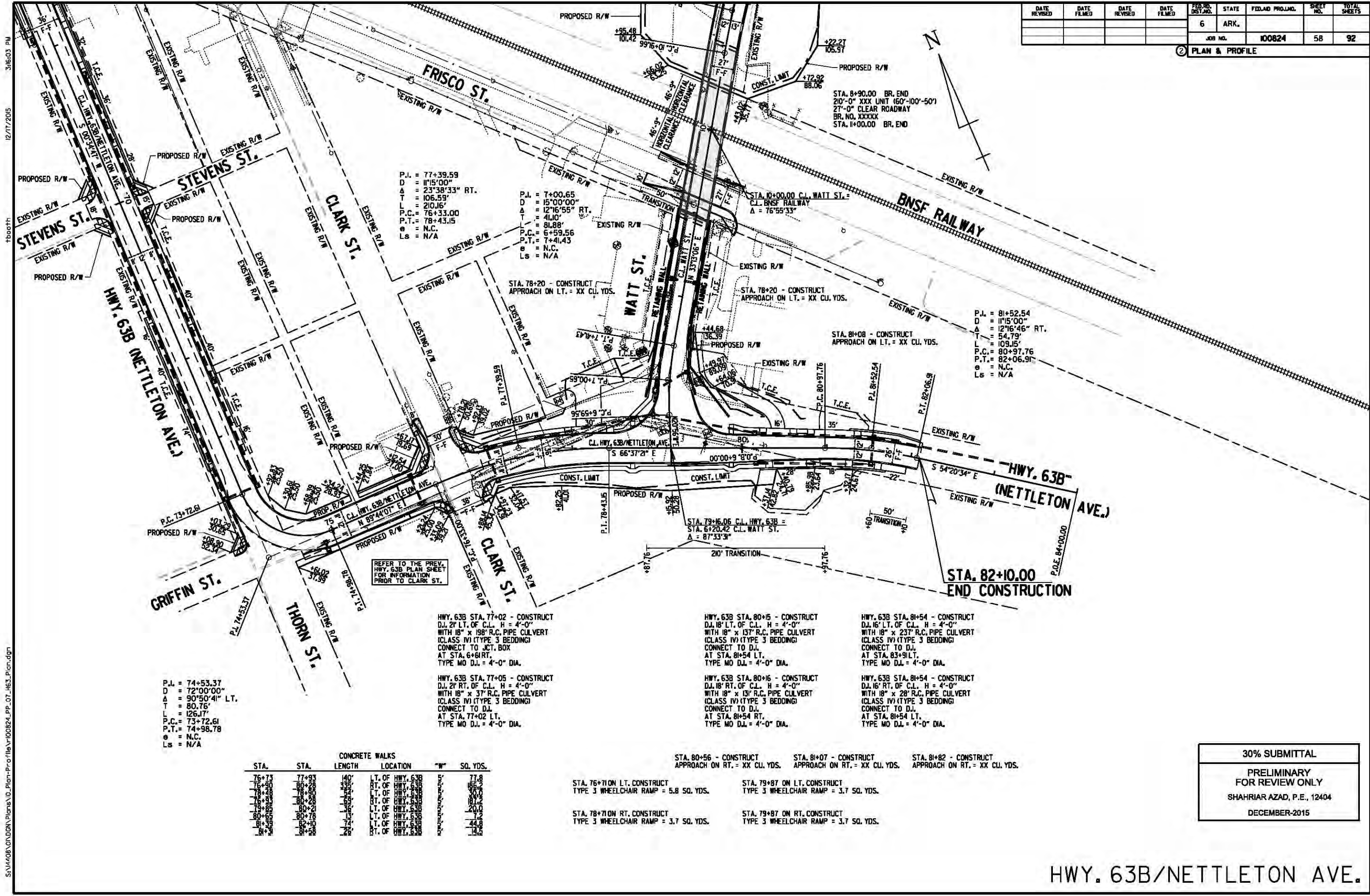
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		57	92
							JOB NO. 100824	
② PLAN & PROFILE								

LEFT SIDE OF HWY. 63B/NETTLETON AVE.



RIGHT SIDE OF HWY. 63B/NETTLETON AVE.





P.I. = 77+39.59
 D = 11'15"00"
 Δ = 23°38'33" RT.
 T = 108.59'
 L = 210.16'
 P.C. = 76+33.00
 P.T. = 78+43.15
 e = N.C.
 Ls = N/A

P.I. = 7+00.65
 D = 15'00"00"
 Δ = 12°16'55" RT.
 T = 41.0'
 L = 81.88'
 P.C. = 6+59.56
 P.T. = 7+41.43
 e = N.C.
 Ls = N/A

P.I. = 81+52.54
 D = 11'15"00"
 Δ = 12°16'46" RT.
 T = 54.79'
 L = 109.15'
 P.C. = 80+97.76
 P.T. = 82+06.91
 e = N.C.
 Ls = N/A

P.I. = 74+53.37
 D = 72'00"00"
 Δ = 90°50'41" LT.
 T = 80.75'
 L = 126.17'
 P.C. = 73+72.61
 P.T. = 74+98.78
 e = N.C.
 Ls = N/A

STA.	STA.	CONCRETE WALKS LENGTH	LOCATION	"#"	SQ. YDS.
76+73	77+93	140'	L.T. OF HWY. 63B	18"	77.8
76+90	80+28	338'	RT. OF HWY. 63B	18"	186.2
78+48	80+28	24'	L.T. OF HWY. 63B	18"	12.0
78+48	80+28	163'	RT. OF HWY. 63B	18"	81.3
79+85	80+21	16'	L.T. OF HWY. 63B	18"	8.0
80+65	80+78	13'	L.T. OF HWY. 63B	18"	6.5
81+38	82+40	74'	L.T. OF HWY. 63B	18"	37.0
81+38	82+40	26'	RT. OF HWY. 63B	18"	13.0

HWY. 63B STA. 77+02 - CONSTRUCT D.J. 2' LT. OF C.L. H = 4'-0" WITH 18" x 18" R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO JCT. BOX AT STA. 6+61 RT. TYPE MO D.J. = 4'-0" DIA.

HWY. 63B STA. 77+05 - CONSTRUCT D.J. 2' RT. OF C.L. H = 4'-0" WITH 18" x 37" R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO D.J. AT STA. 77+02 LT. TYPE MO D.J. = 4'-0" DIA.

HWY. 63B STA. 80+16 - CONSTRUCT D.J. 18" LT. OF C.L. H = 4'-0" WITH 18" x 137" R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO D.J. AT STA. 81+54 LT. TYPE MO D.J. = 4'-0" DIA.

HWY. 63B STA. 80+16 - CONSTRUCT D.J. 18" RT. OF C.L. H = 4'-0" WITH 18" x 137" R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO D.J. AT STA. 81+54 RT. TYPE MO D.J. = 4'-0" DIA.

HWY. 63B STA. 81+54 - CONSTRUCT D.J. 16" LT. OF C.L. H = 4'-0" WITH 18" x 237" R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO D.J. AT STA. 83+91 LT. TYPE MO D.J. = 4'-0" DIA.

HWY. 63B STA. 81+54 - CONSTRUCT D.J. 16" RT. OF C.L. H = 4'-0" WITH 18" x 28" R.C. PIPE CULVERT (CLASS IV) (TYPE 3 BEDDING) CONNECT TO D.J. AT STA. 81+54 LT. TYPE MO D.J. = 4'-0" DIA.

STA. 80+56 - CONSTRUCT APPROACH ON RT. = XX CU. YDS.

STA. 81+07 - CONSTRUCT APPROACH ON RT. = XX CU. YDS.

STA. 81+82 - CONSTRUCT APPROACH ON RT. = XX CU. YDS.

STA. 76+71 ON LT. CONSTRUCT TYPE 3 WHEELCHAIR RAMP = 5.8 SQ. YDS.

STA. 79+87 ON LT. CONSTRUCT TYPE 3 WHEELCHAIR RAMP = 3.7 SQ. YDS.

STA. 78+71 ON RT. CONSTRUCT TYPE 3 WHEELCHAIR RAMP = 3.7 SQ. YDS.

STA. 79+87 ON RT. CONSTRUCT TYPE 3 WHEELCHAIR RAMP = 3.7 SQ. YDS.

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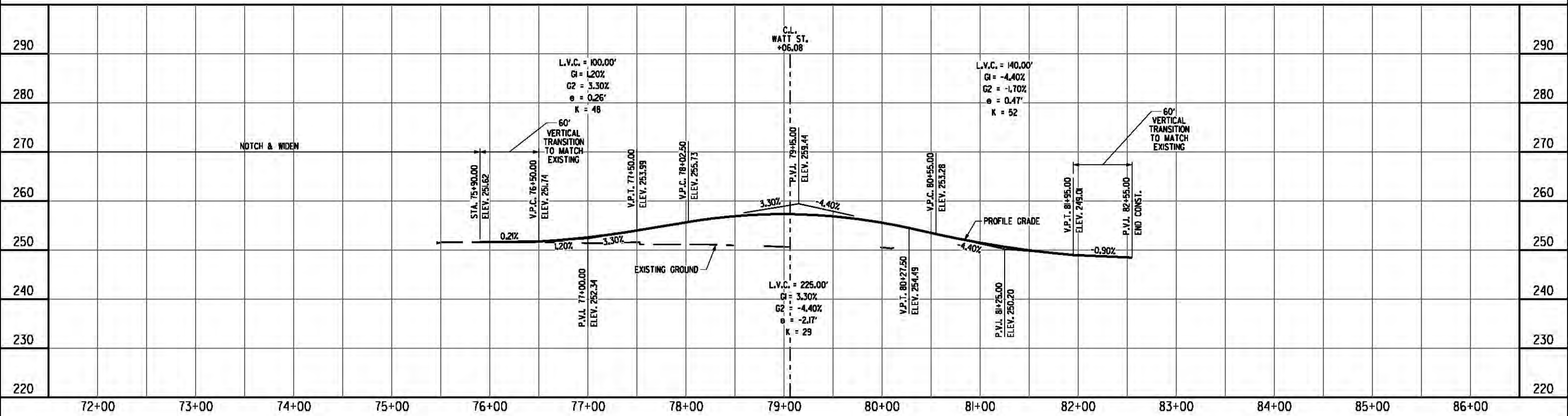
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REFER TO SURVEY CONTROL DETAIL SHEETS FOR HORIZONTAL AND VERTICAL CONTROL DATA.

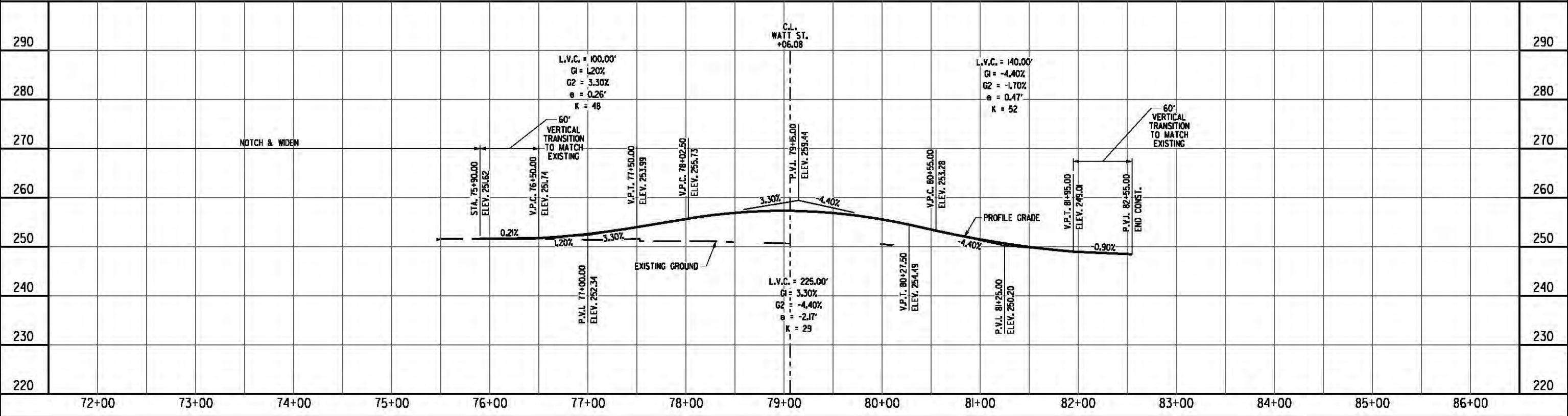
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		59	92
							JOB NO. 100824	
② PLAN & PROFILE								

LEFT SIDE OF HWY. 63B/NETTLETON AVE.



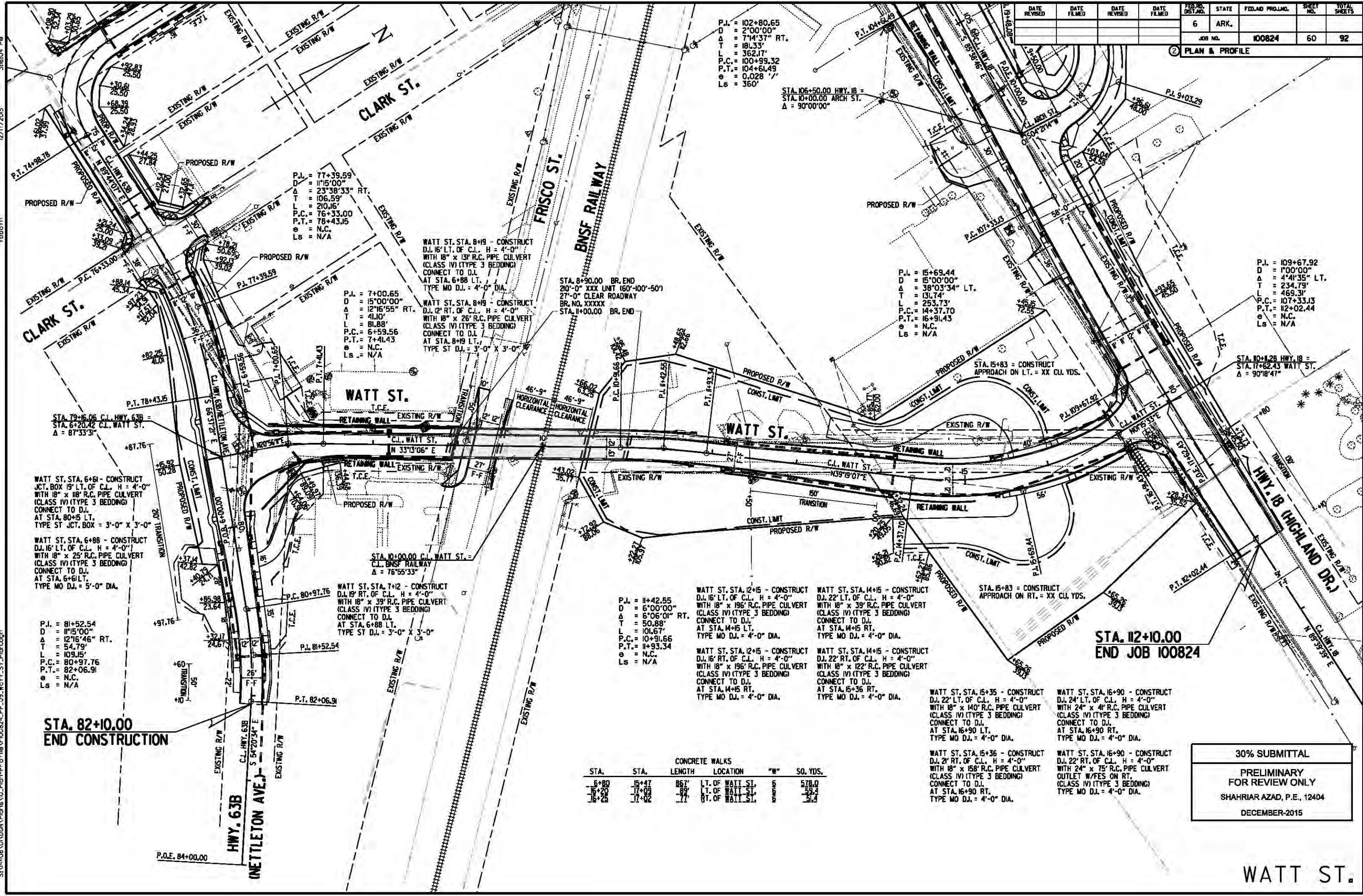
RIGHT SIDE OF HWY. 63B/NETTLETON AVE.



3/16/04 PM 12/17/2015 tbooth S:\14\08\QINDM\Plane\0_Plan-Pro\files\100824_PP_09_Watt_ST_Plan.dgn

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		60	92

PLAN & PROFILE



P.I. = 102+80.65
 D = 2'00'00"
 Δ = 7'14'37" RT.
 T = 181.33'
 L = 362.17'
 P.C. = 100+99.32
 P.T. = 104+61.49
 e = 0.028 1/2"
 Ls = 360'

STA. 106+50.00 HWY. 18 =
 STA. 10+00.00 ARCH ST.
 Δ = 90'00'00"

P.I. = 77+39.59
 D = 11'15'00"
 Δ = 23'38'33" RT.
 T = 106.59'
 L = 210.16'
 P.C. = 76+33.00
 P.T. = 78+43.15
 e = N.C.
 Ls = N/A

WATT ST. STA. 8+19 - CONSTRUCT
 D.J. 16' LT. OF C.L. H = 4'-0"
 WITH 18" x 13" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 6+88 LT.
 TYPE MO D.J. = 4'-0" DIA.

P.I. = 7+00.65
 D = 15'00'00"
 Δ = 12'16'55" RT.
 T = 4.10'
 L = 81.88'
 P.C. = 6+59.56
 P.T. = 7+41.43
 e = N.C.
 Ls = N/A

WATT ST. STA. 8+19 - CONSTRUCT
 D.J. 12' RT. OF C.L. H = 4'-0"
 WITH 18" x 26" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 8+19 LT.
 TYPE ST D.J. = 3'-0" x 3'-0"

STA. 8+90.00 BR. END
 210'-0" XXX UNIT (60'-100'-50')
 27'-0" CLEAR ROADWAY
 BR. NO. XXXXX
 STA. 11+00.00 BR. END

P.I. = 15+69.44
 D = 15'00'00"
 Δ = 38'03'34" LT.
 T = 131.74'
 L = 253.73'
 P.C. = 14+37.70
 P.T. = 16+91.43
 e = N.C.
 Ls = N/A

P.I. = 109+67.92
 D = 1'00'00"
 Δ = 4'41'35" LT.
 T = 234.79'
 L = 469.31'
 P.C. = 107+33.13
 P.T. = 112+02.44
 e = N.C.
 Ls = N/A

STA. 10+1.28 HWY. 18 =
 STA. 17+62.43 WATT ST.
 Δ = 90'18'47"

WATT ST. STA. 6+61 - CONSTRUCT
 JCT. BOX 19' LT. OF C.L. H = 4'-0"
 WITH 18" x 18" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 80+15 LT.
 TYPE ST JCT. BOX = 3'-0" x 3'-0"

WATT ST. STA. 6+88 - CONSTRUCT
 D.J. 16' LT. OF C.L. H = 4'-0"
 WITH 18" x 25" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 6+61 LT.
 TYPE MO D.J. = 5'-0" DIA.

P.I. = 81+52.54
 D = 11'15'00"
 Δ = 12'16'46" RT.
 T = 54.79'
 L = 109.15'
 P.C. = 80+97.76
 P.T. = 82+06.91
 e = N.C.
 Ls = N/A

WATT ST. STA. 7+12 - CONSTRUCT
 D.J. 19' RT. OF C.L. H = 4'-0"
 WITH 18" x 39" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 6+88 LT.
 TYPE ST D.J. = 3'-0" x 3'-0"

P.I. = 11+42.55
 D = 6'00'00"
 Δ = 6'06'01" RT.
 T = 50.88'
 L = 101.67'
 P.C. = 10+91.66
 P.T. = 11+93.34
 e = N.C.
 Ls = N/A

WATT ST. STA. 12+15 - CONSTRUCT
 D.J. 16' LT. OF C.L. H = 4'-0"
 WITH 18" x 196" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 14+15 LT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 12+15 - CONSTRUCT
 D.J. 16' RT. OF C.L. H = 4'-0"
 WITH 18" x 196" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 14+15 RT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 14+15 - CONSTRUCT
 D.J. 22' LT. OF C.L. H = 4'-0"
 WITH 18" x 39" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 14+15 RT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 14+15 - CONSTRUCT
 D.J. 22' RT. OF C.L. H = 4'-0"
 WITH 18" x 122" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 15+36 RT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 15+35 - CONSTRUCT
 D.J. 22' LT. OF C.L. H = 4'-0"
 WITH 18" x 140" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 16+90 LT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 15+36 - CONSTRUCT
 D.J. 22' RT. OF C.L. H = 4'-0"
 WITH 18" x 158" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 16+90 RT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 16+90 - CONSTRUCT
 D.J. 24' LT. OF C.L. H = 4'-0"
 WITH 24" x 4" R.C. PIPE CULVERT
 (CLASS IV) (TYPE 3 BEDDING)
 CONNECT TO D.J.
 AT STA. 16+90 RT.
 TYPE MO D.J. = 4'-0" DIA.

WATT ST. STA. 16+90 - CONSTRUCT
 D.J. 22' RT. OF C.L. H = 4'-0"
 WITH 24" x 75" R.C. PIPE CULVERT
 OUTLET W/FES ON RT.
 (CLASS IV) (TYPE 3 BEDDING)
 TYPE MO D.J. = 4'-0" DIA.

STA. 82+10.00
END CONSTRUCTION

STA. 112+10.00
END JOB 100824

STA.	STA.	CONCRETE WALKS LENGTH	LOCATION	"W"	SO. YDS.
6+80	15+47	867'	LT. OF WATT ST.	80x60	518.0
15+20	17+09	89'	LT. OF WATT ST.	80x60	59.4
16+25	17+02	77'	RT. OF WATT ST.	80x60	51.4

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WATT ST.

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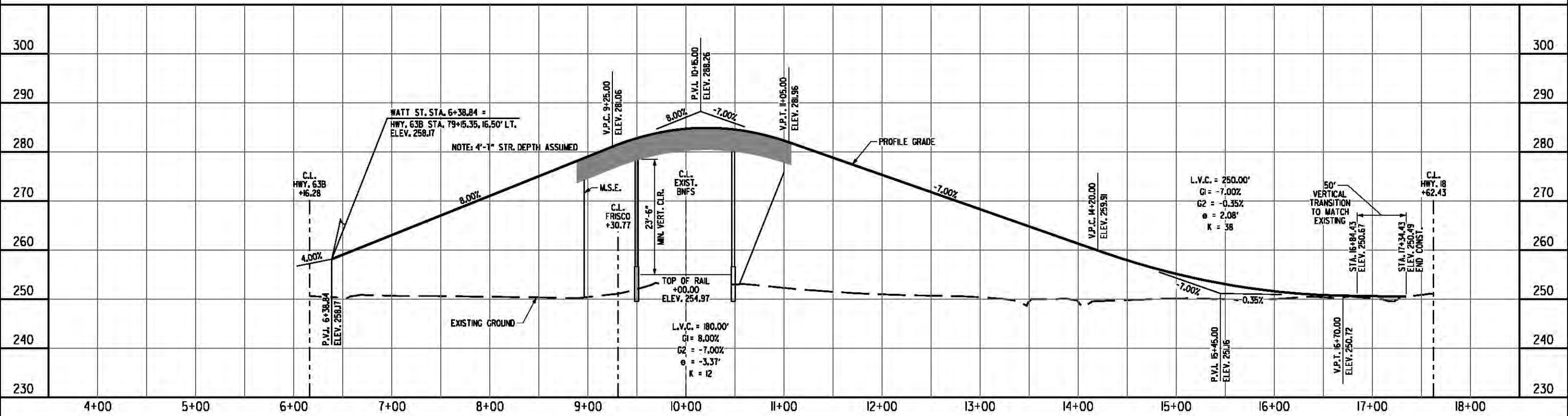
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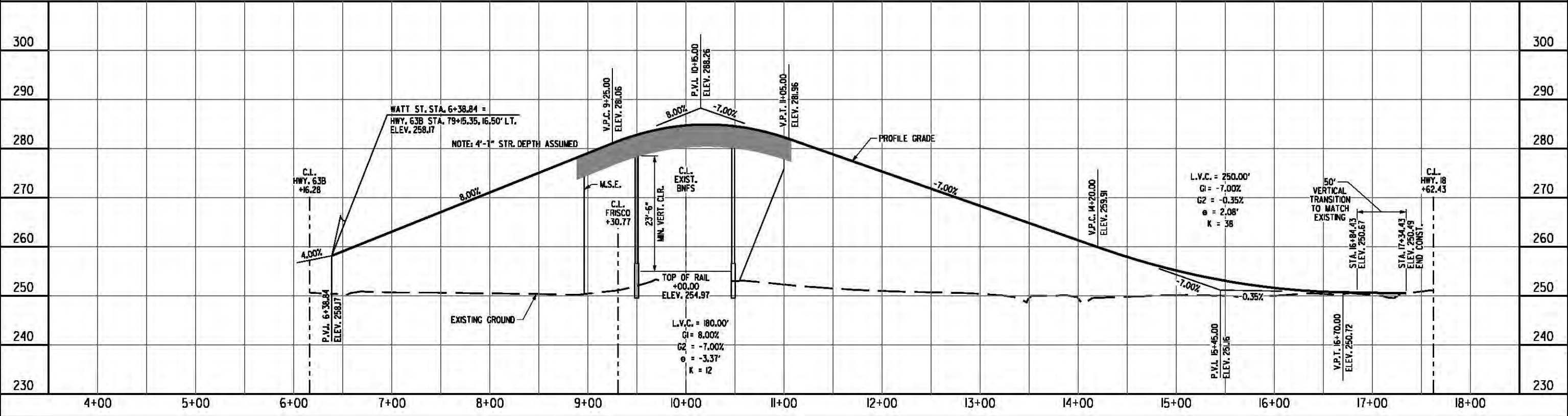
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		61	92
							JOB NO.	100824
							PLAN & PROFILE	

LEFT SIDE OF WATT ST.



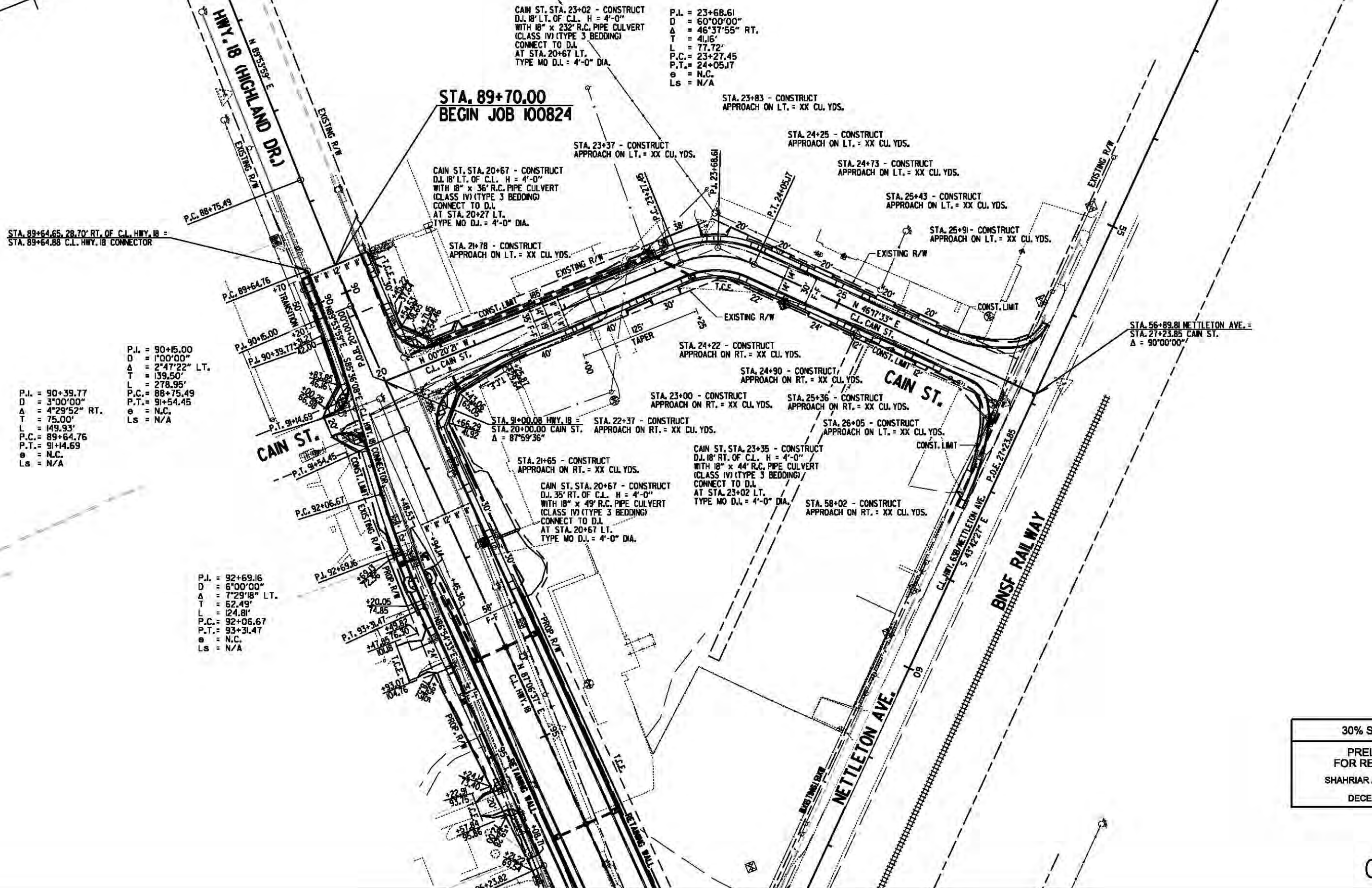
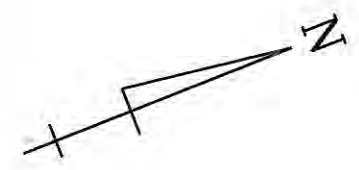
RIGHT SIDE OF WATT ST.



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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		62	92
				JOB NO.		100824		

PLAN & PROFILE



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CAIN ST.

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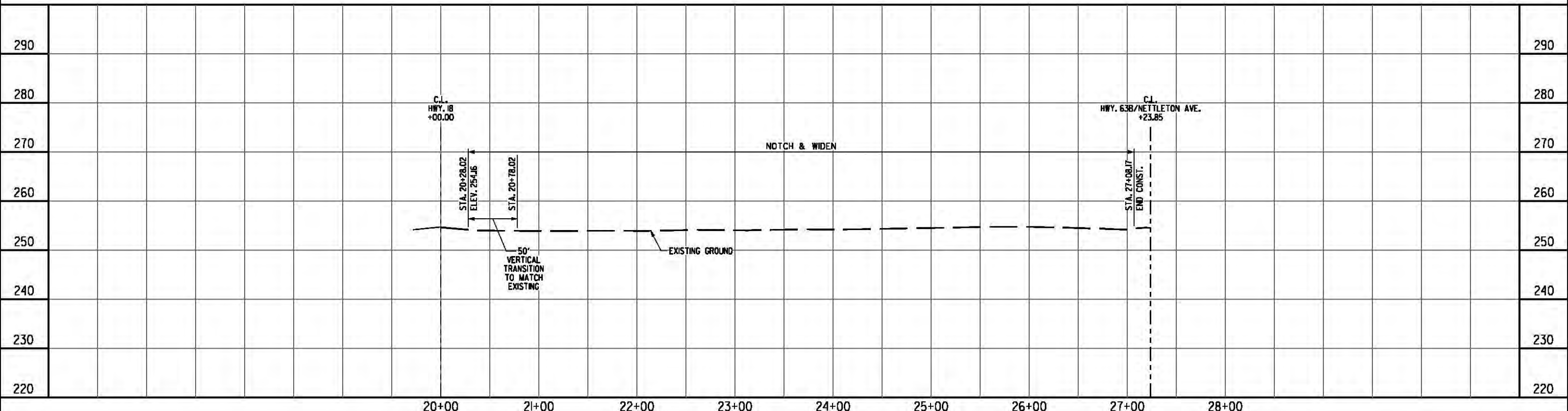
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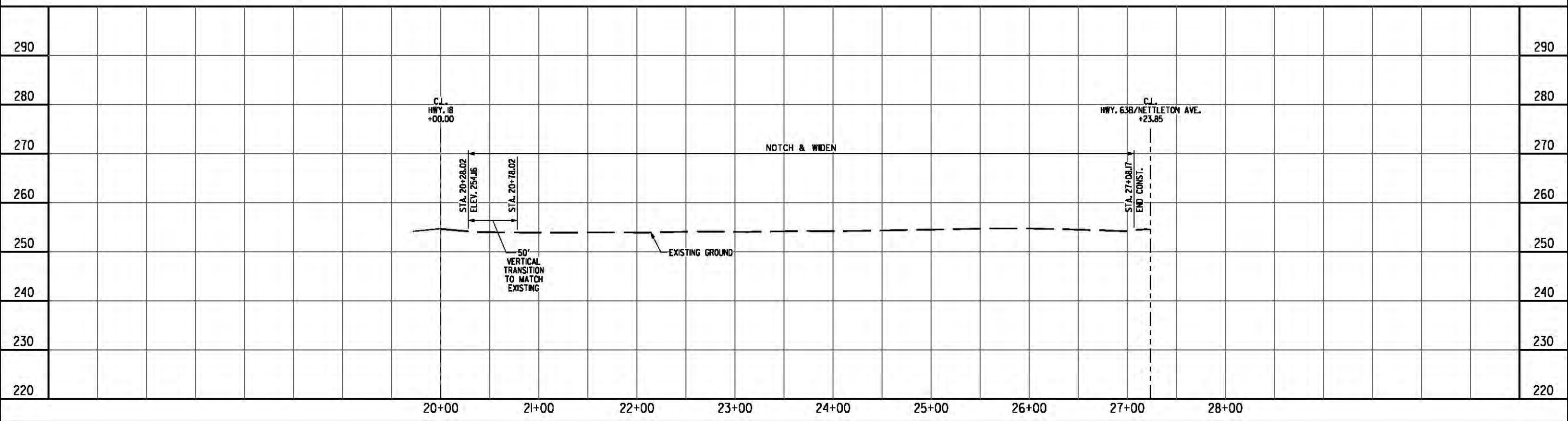
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		63	92
							JOB NO.	100824
② PLAN & PROFILE								

LEFT SIDE OF CAIN ST.



RIGHT SIDE OF CAIN ST.



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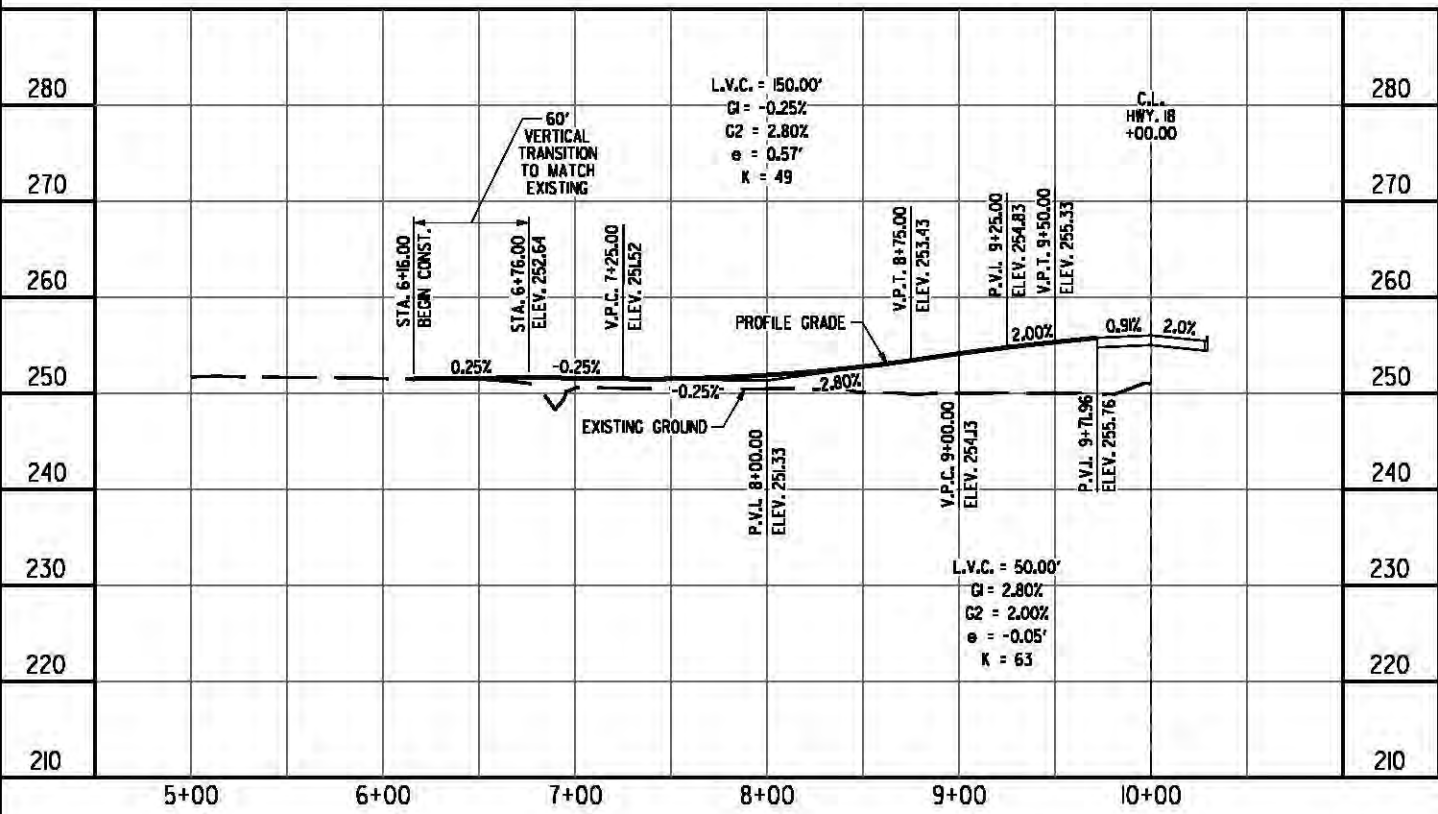
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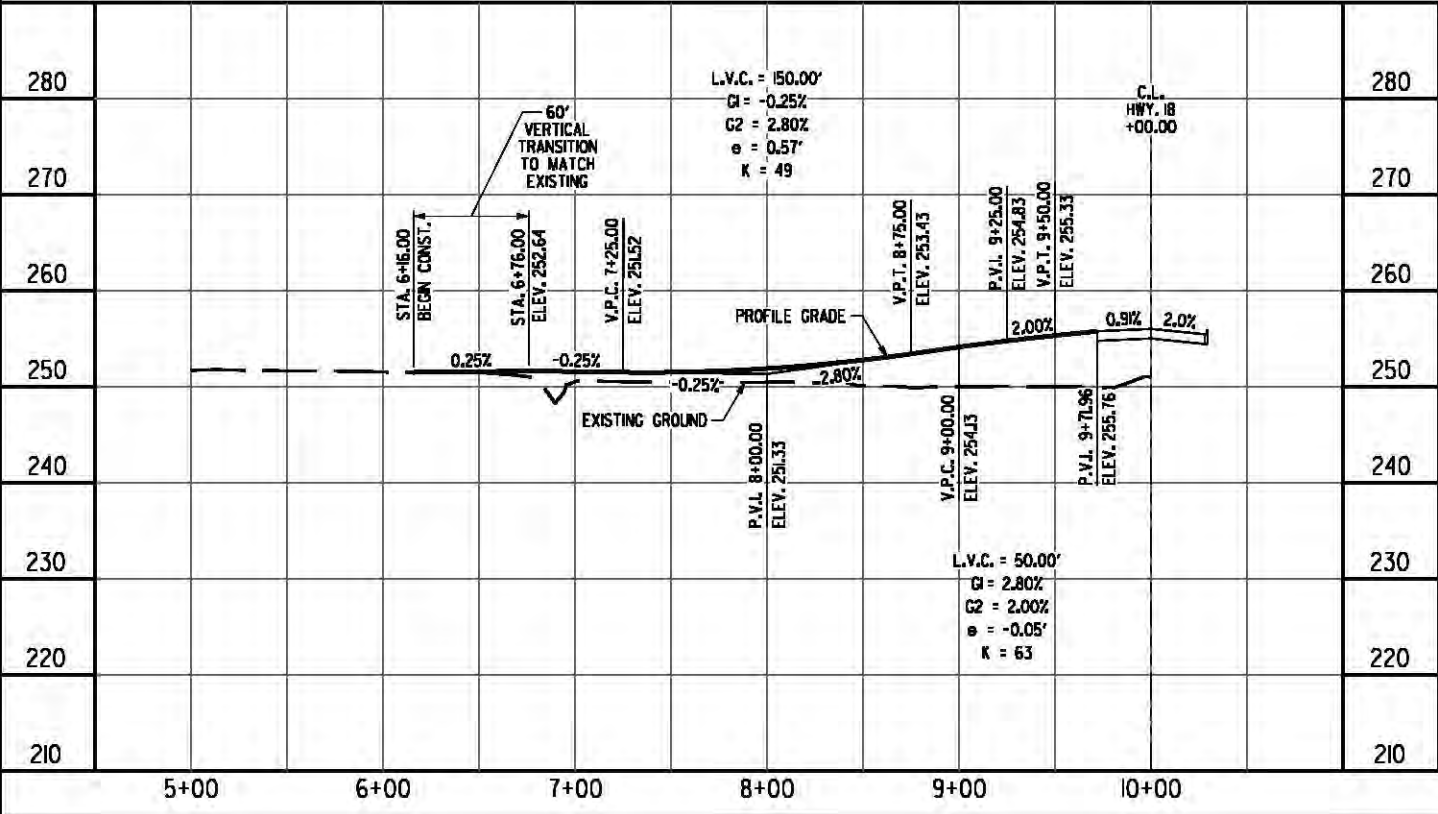
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. NO. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		64	92
							JOB NO. 100824	
② PLAN & PROFILE								

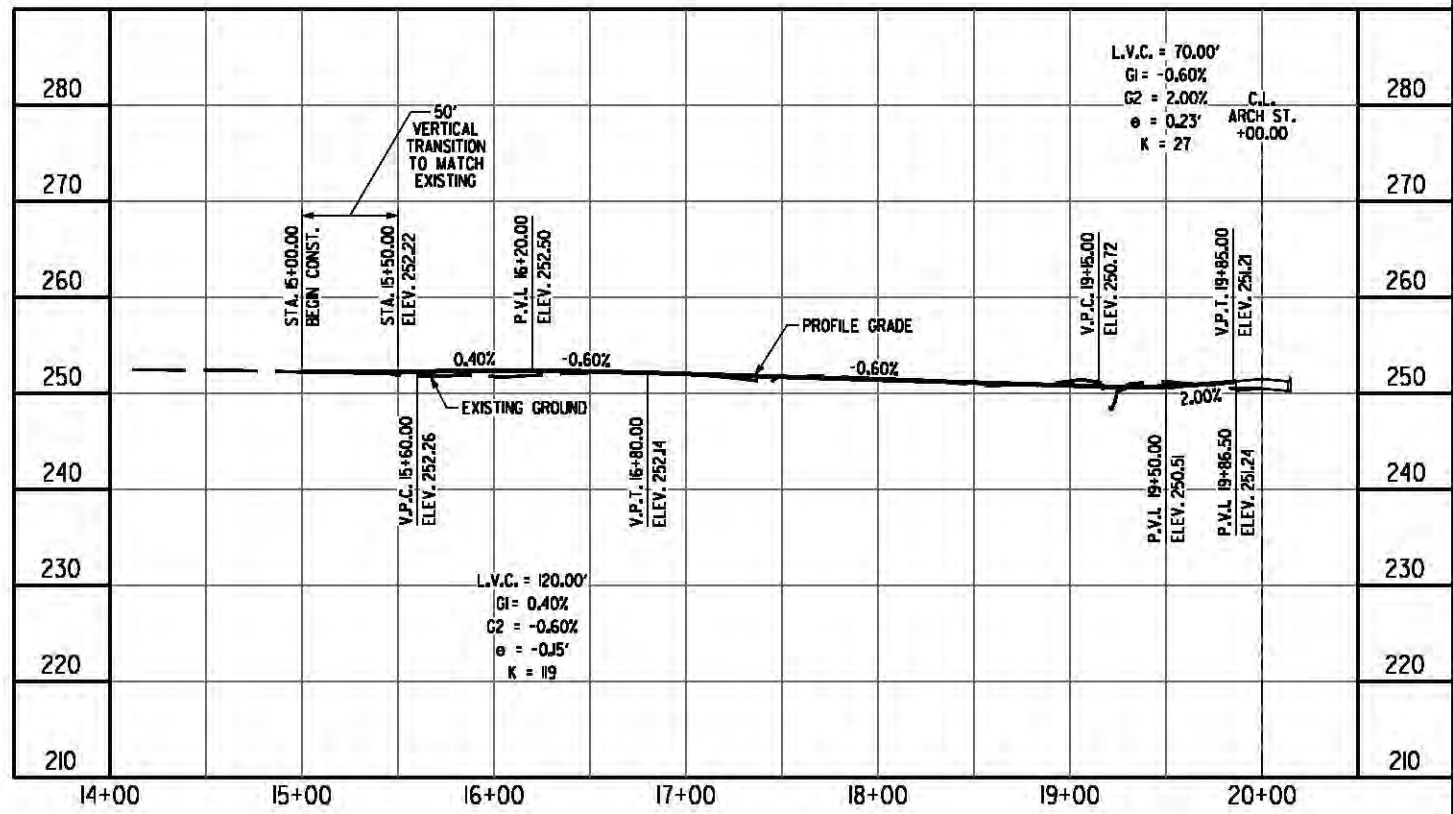
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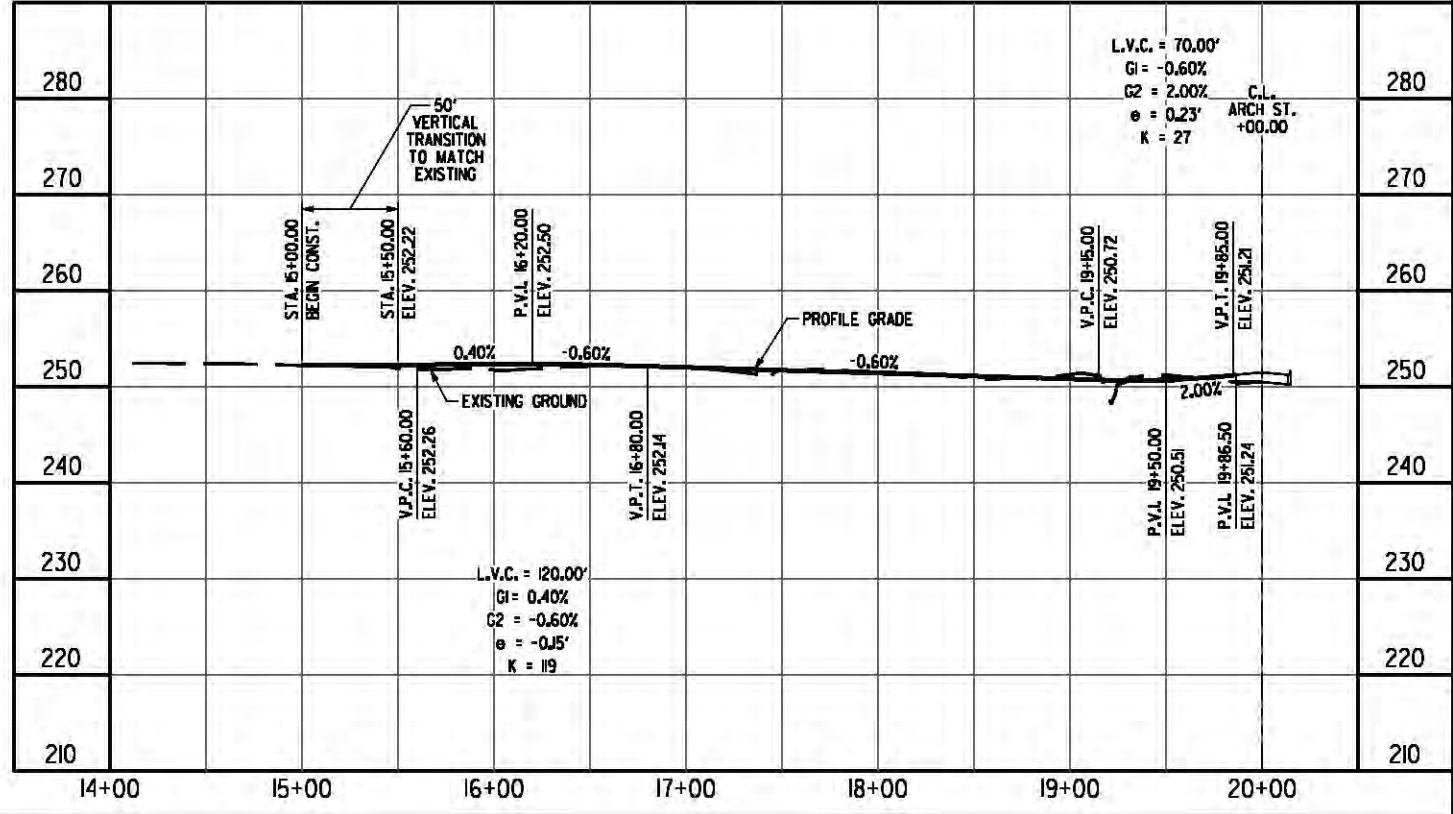
RIGHT SIDE OF ARCH ST.



LEFT SIDE OF IRBY ST.



RIGHT SIDE OF IRBY ST.



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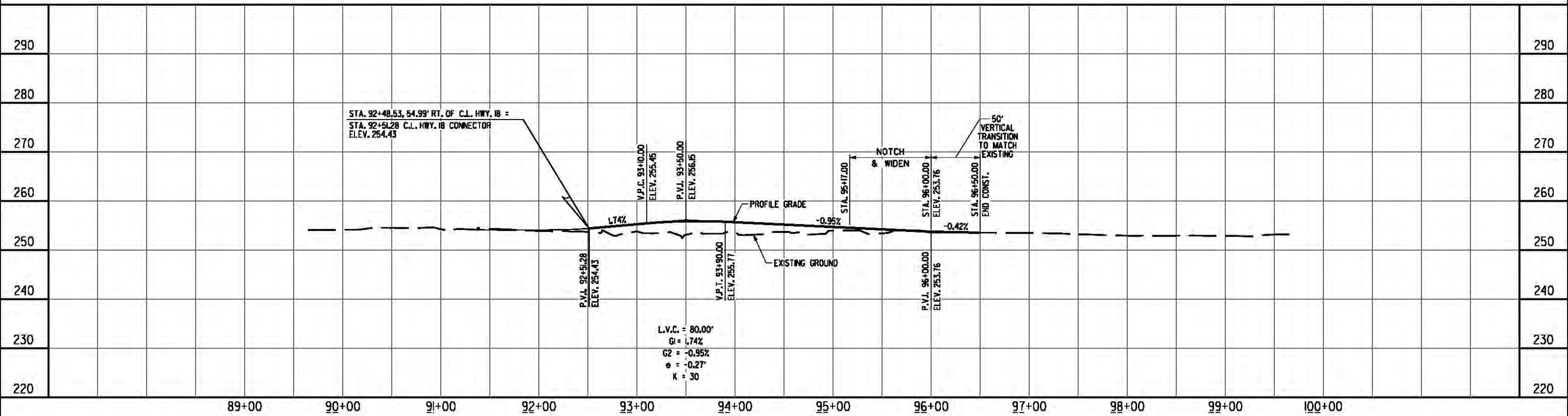
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				6	ARK.		65	92
							PLAN & PROFILE	

LEFT SIDE OF HWY. 18 CONNECTOR



RIGHT SIDE OF HWY. 18 CONNECTOR

