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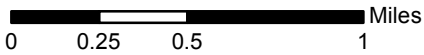
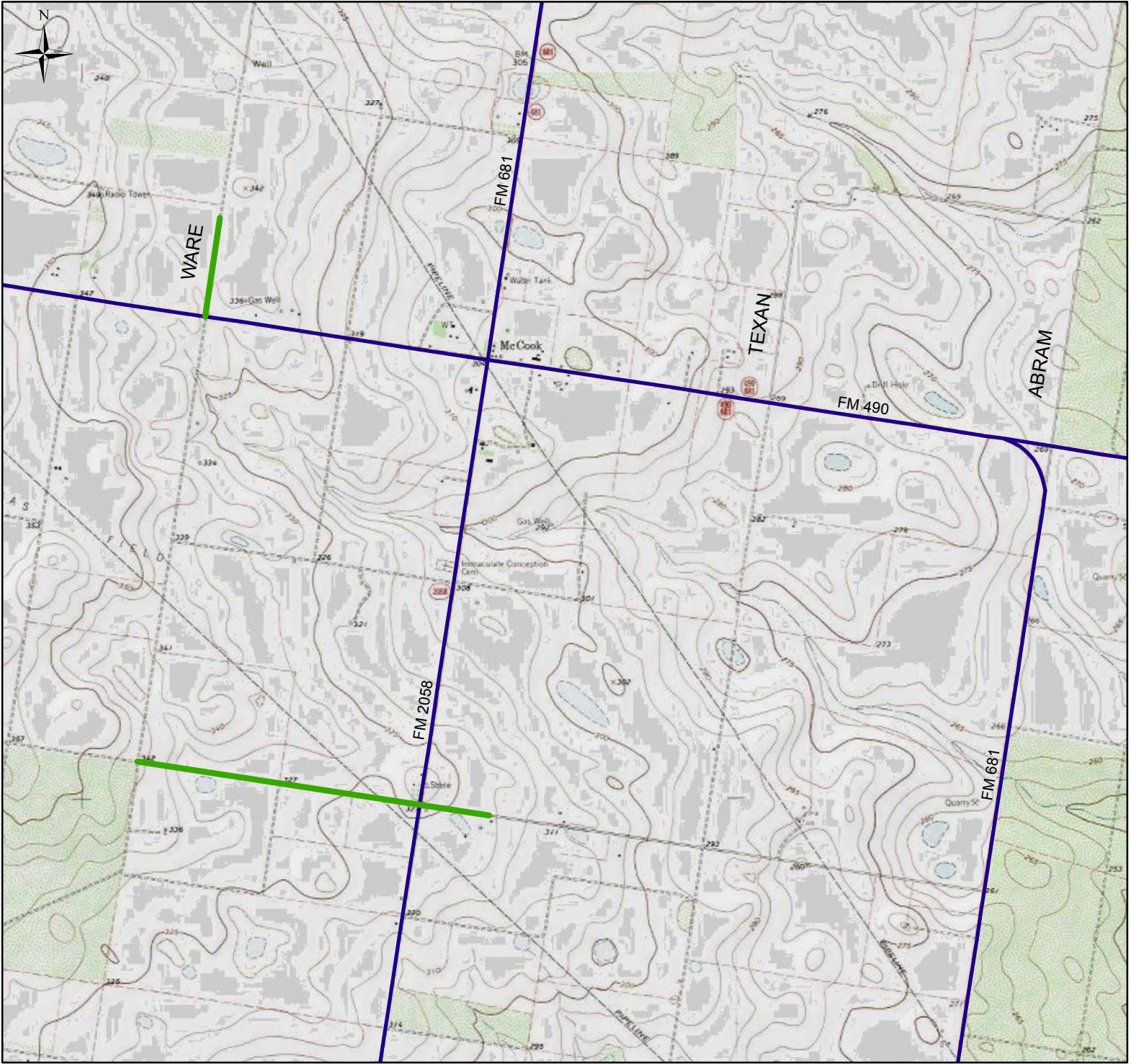
Exhibit J: Roads, Driveways and Road Entrances

**EXHIBIT A**

**ROADS**

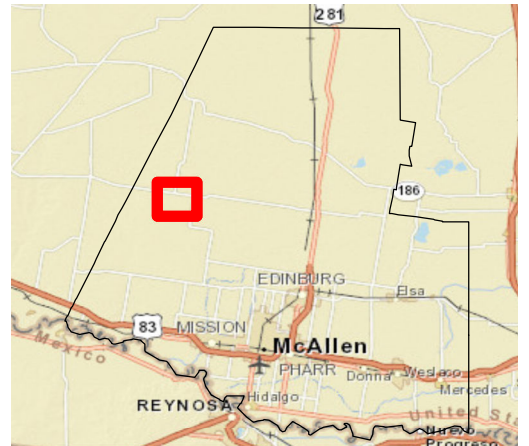
*See Attached*

# Exhibit A: Roads



Author: SFK  
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 Version: n/a  
 Datum: North American 1983  
 Projection: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
 Scale: 1:34,561  
 Sources: EDRP, ESRI

- County Road Improvements
- TXDOT Roads

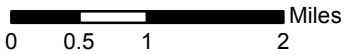
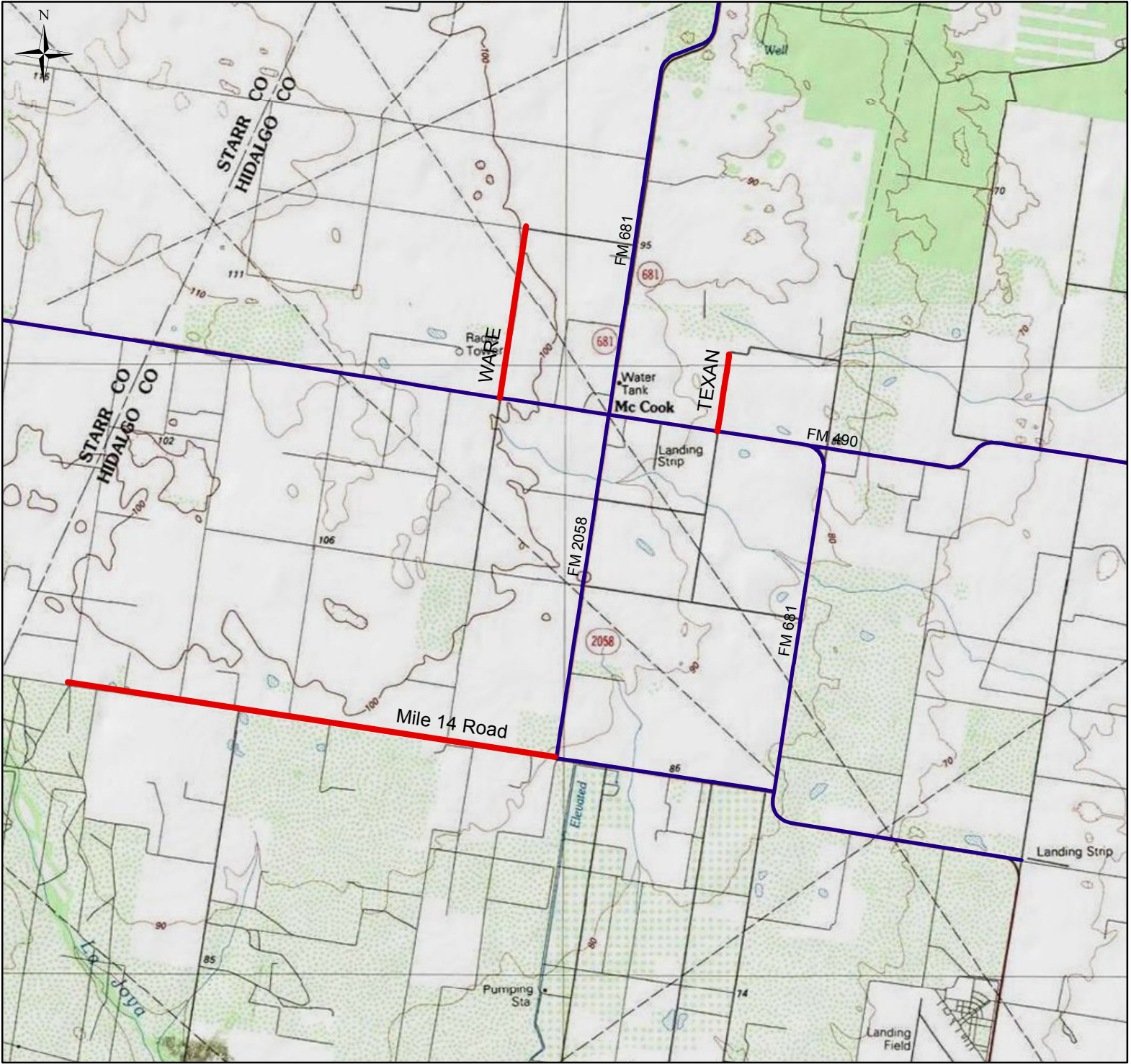


**EXHIBIT A-1**

**LIMITED USE ROADS**

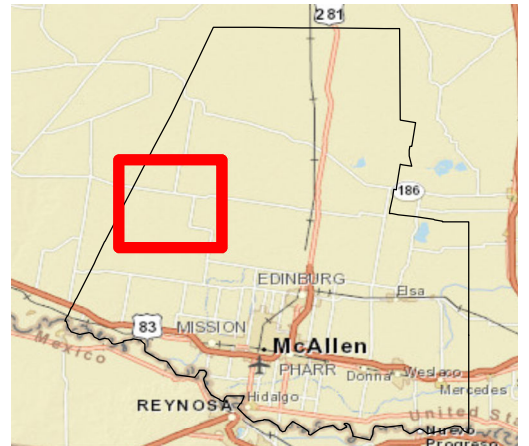
*See Attached*

# Exhibit A-1: Limited Use Roads



Author: SFK  
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 Scale: 1:89,506  
 Sources: EDP, ESRI

**— Limited Use Roads**  
**— TXDOT Roads**



**EXHIBIT B**

**TRANSPORTATION PLAN**

*See Attached*

# Exhibit B

## Transportation Plan

for

## Hidalgo Wind Farm

Hidalgo/Starr Counties, TX

January 22, 2016

Prepared by:

Westlake Consultants, Inc.  
15115 SW Sequoia Parkway, Ste. 150  
Tigard, OR 97224

Phone: (503) 684-0652

Fax: (503) 624-0157



*B.R.S.M.* 1/22/16  
Firm Reg. 15121

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## **1.0 PROJECT OVERVIEW**

### 1.1 Introduction

The project is a 250 MW wind farm located in Hidalgo and Starr Counties, Texas. The wind farm will consist of 125 - 2 MW wind turbines. Public roadways will be utilized to transport components and materials to the project site. Private access roadways will be constructed on-site for direct access to the turbine strings.

The wind farm components are assumed to arriving to the project site from the east, originating from Interstate 281. This plan addresses transportation issues between Interstate 281 and the various project entrances. The primary roadways used to get to the project will be State Highway FM 490. Once within the project site, additional public roadways will be utilized including FM 2058, Mile 16 Road, and County Road 4640. For truck egress, FM 681 and FM 1017 will be utilized for truck traffic returning to Interstate 281. See the Appendix for a plan showing the assumed transportation route and required public road intersection improvements.

## **2.0 TRANSPORTATION PLAN**

### 2.1 Conditions of Public Roadways

The public roadways analyzed within this transportation plan are within the jurisdictions of either the State of Texas or Hidalgo County. The roadway conditions vary greatly between these two jurisdictions and are detailed below.

The Texas Department of Transportation (TxDOT) roadways to be used include FM 490, FM 1017, FM 681, and FM 2058. These roadways are typically two lane paved asphalt roadways. The state roads are in good condition, and are not expected to need improvements to handle the construction traffic for this project.

The TxDOT roadways FM 2058 and FM 681 north of the proposed project are load restricted roadways. Both roadways have a load limit of 58,420 GVW. Special permits will be required for construction traffic on the roadways per the TxDOT permit coordinator, Lynnette Villarreal (ph:956-702-6240, email:Lynnette.Villarreal@txdot.gov).

The Hidalgo County roadways to be used include, Mile 16 Road, and County Road 4640. These roadways are typically compacted caliche roadways. The roadways are visually in fair to good condition, and are not expected to require major improvements. A geotechnical investigation of the county roadways included in this report will be conducted prior to construction. The information obtained in this investigation will be used to make recommendations on required county road improvements.

County Road 4304 has been determined to be a private access road by EDPR and Hidalgo County. It is shown in the transportation plan due to the fact that it is used to access multiple additional site access roads. The turning improvement is to be utilized near the intersection of FM 490 and County Road 4304 to avoid the portion of the roadway adjacent to the non participating property owner to the east of the existing roadway. The segment of this roadway adjacent to the non-participating landowner is not to be utilized by the contractor.

### 2.2 Estimated Cost of Improving Public Roads

The estimated cost of improving public roadways in addition to planned intersection improvements will vary depending on damage to public roadways as a result of this project during

construction. All damage to public roadways will be required to be repaired to bring the roadways back to existing pre-construction conditions and will require coordination with applicable public agencies to determine the extent of repairs.

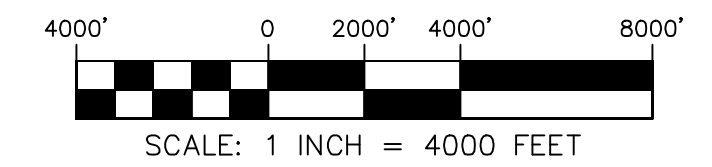
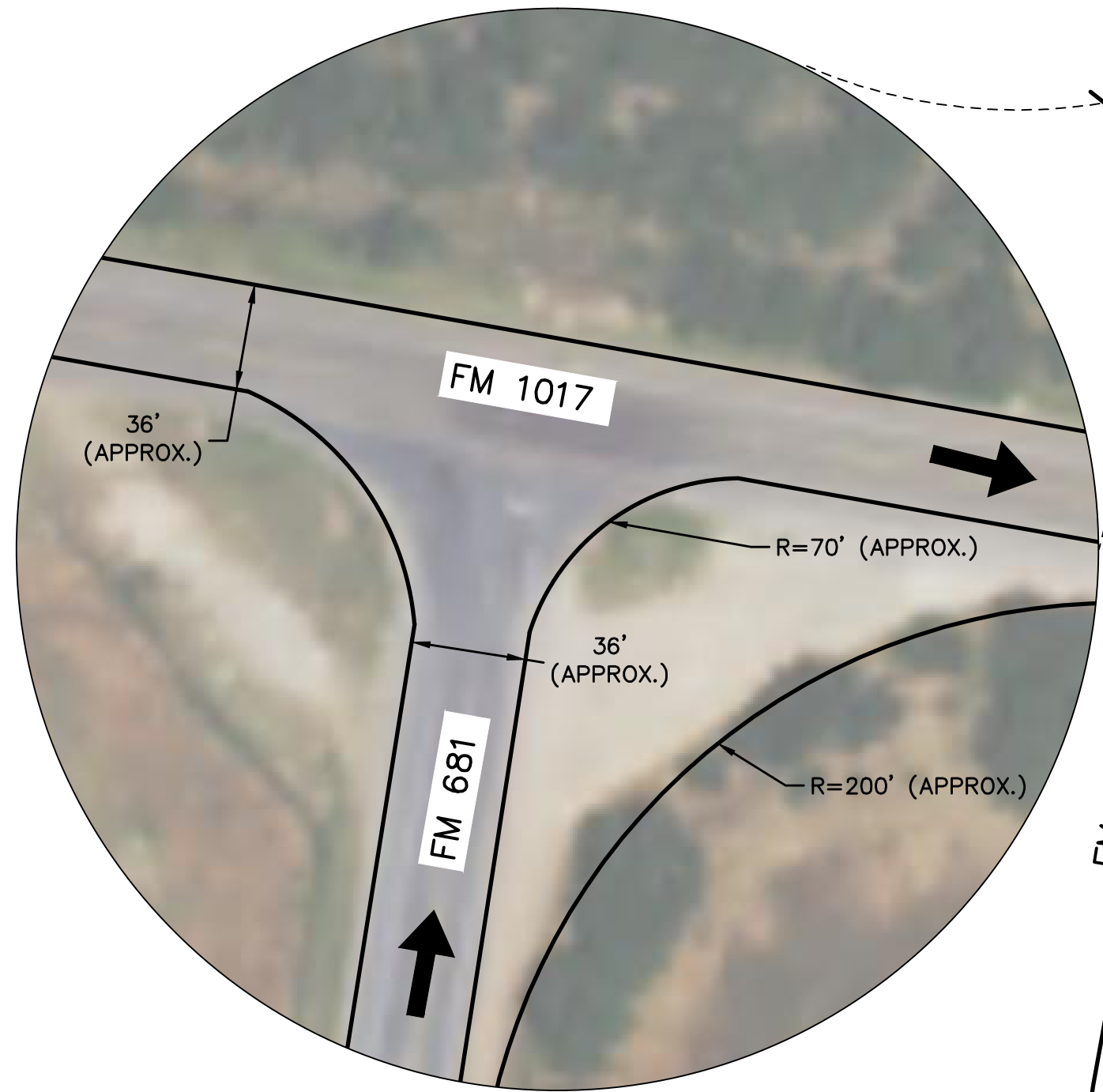
### 2.3 Turning Requirements and Ground Clearance of Delivery Trucks

Turning requirements were assumed per EDPR design guidelines and similar projects. On-site curves were assumed to have a minimum radius of 150', with larger radii being utilized where possible. AutoTurn software was used to analyze offsite curve and intersection adequacy utilizing a wind blade trailer with 137' long trailer detailed on the transportation plan in Appendix A. All inadequate intersections and turns have associated improvements; see Appendix B for a plan detailing these required improvements. Due to the flat nature of the topography in the project area, no ground clearance issues are expected on site.

**Appendix A:**

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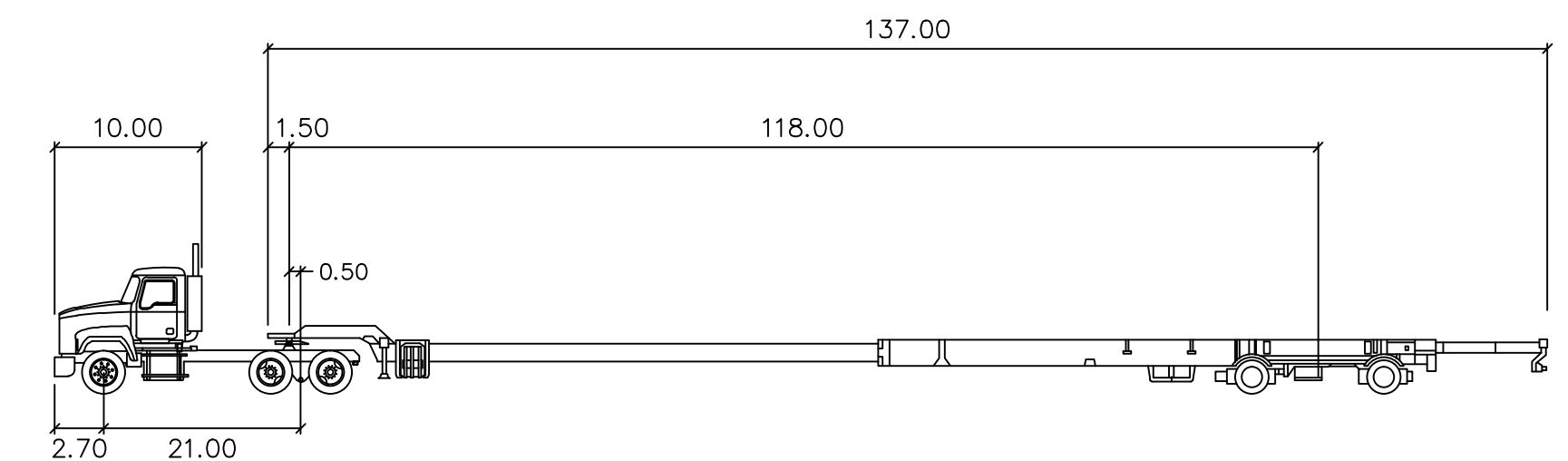
**TRANSPORTATION PLAN SHEETS**



**NOTES:**

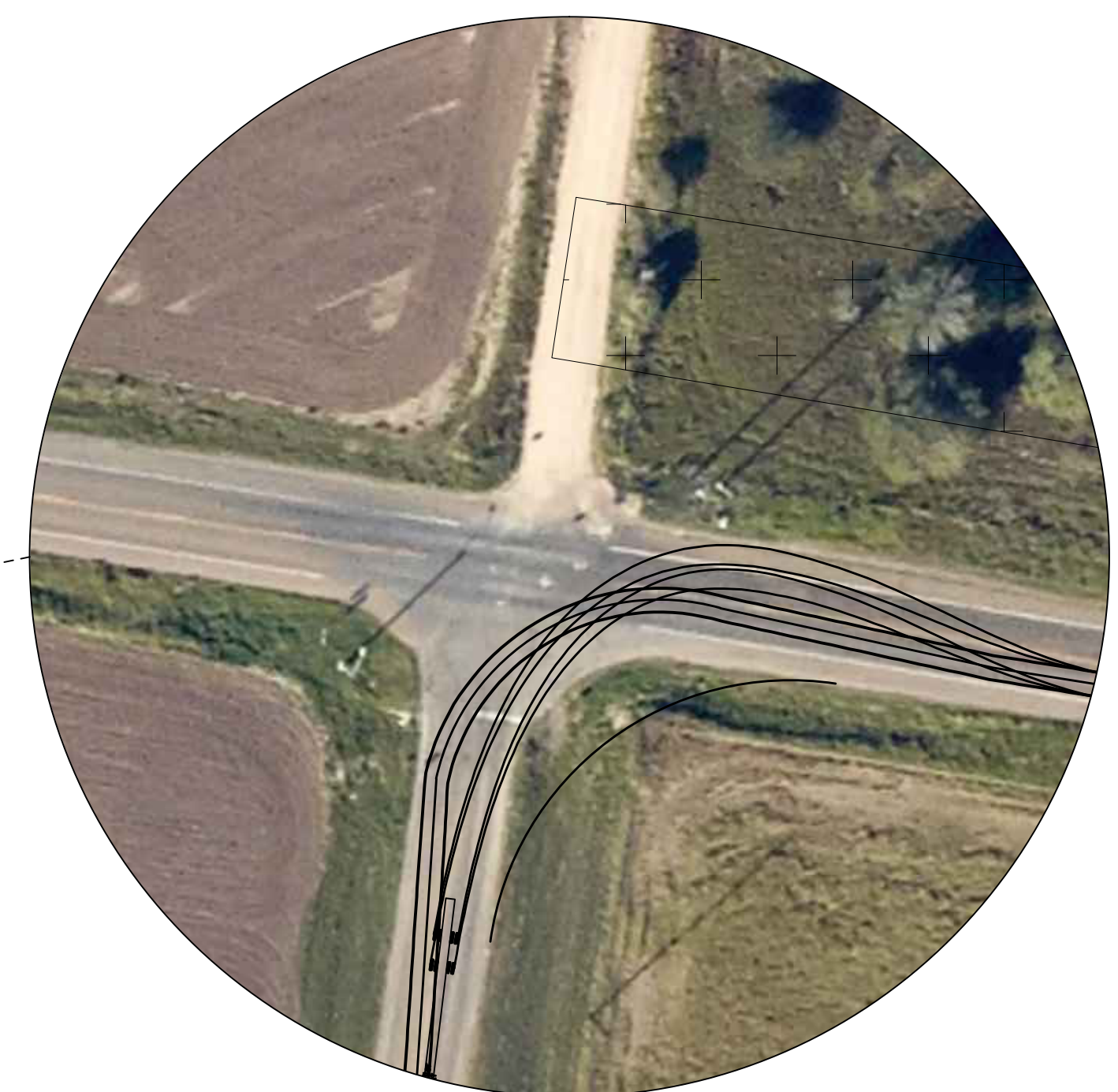
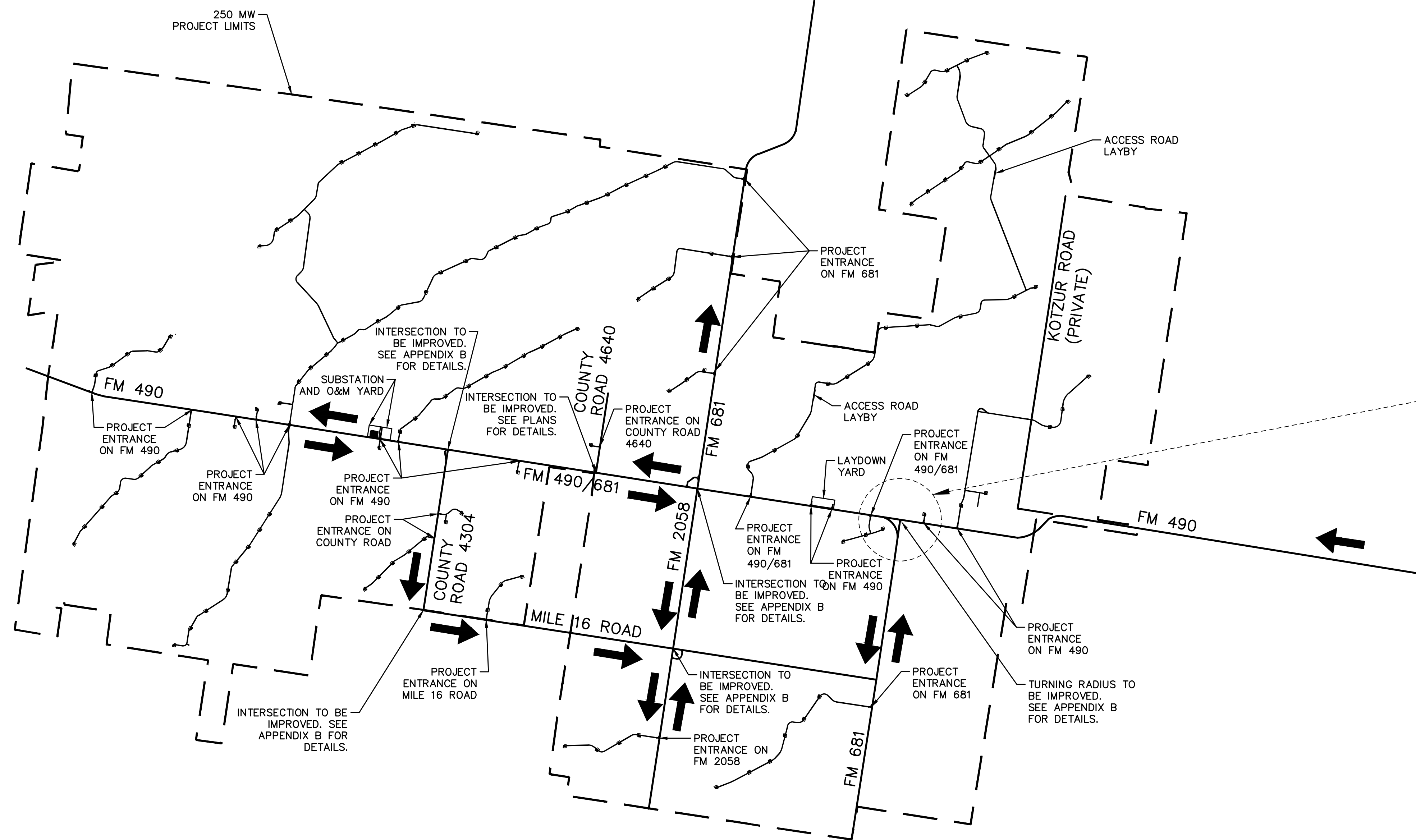
1. TURBINE DELIVERY PATH IS RECOMMENDED TO FOLLOW DIRECTIONAL ARROWS AS SHOWN. PROJECT ACCESS FROM US 281 IS ON FM 490. THE TRUCK RETURN ROUTE IS ON FM 681 AND FM 1017 AS SHOWN WITH DIRECTIONAL ARROWS.
2. TURBINE DELIVERY CONTRACTOR TO VERIFY THE TRAVEL ROUTE AND OBTAIN REQUIRED PERMITS.
3. TURBINE DELIVERY CONTRACTOR TO MAINTAIN PROPER TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION PER MUTCD AND JURISDICTIONAL STANDARDS.

**DESIGN VEHICLE**



Wind Blade Trailer		feet	
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 3.00	Steering Angle	: 40.0
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.00		

SEE SHEET TSP2 FOR CONTINUATION



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 HOUSTON, TEXAS 77036  
 (281) 416-1100 FAX (281) 416-1101

**HIDALGO WIND FARM**  
 HIDALGO AND STARR COUNTIES, TX

TRANSPORTATION PLAN

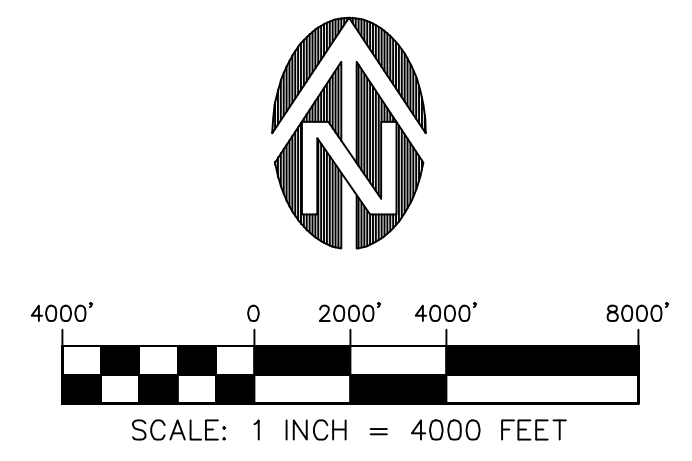
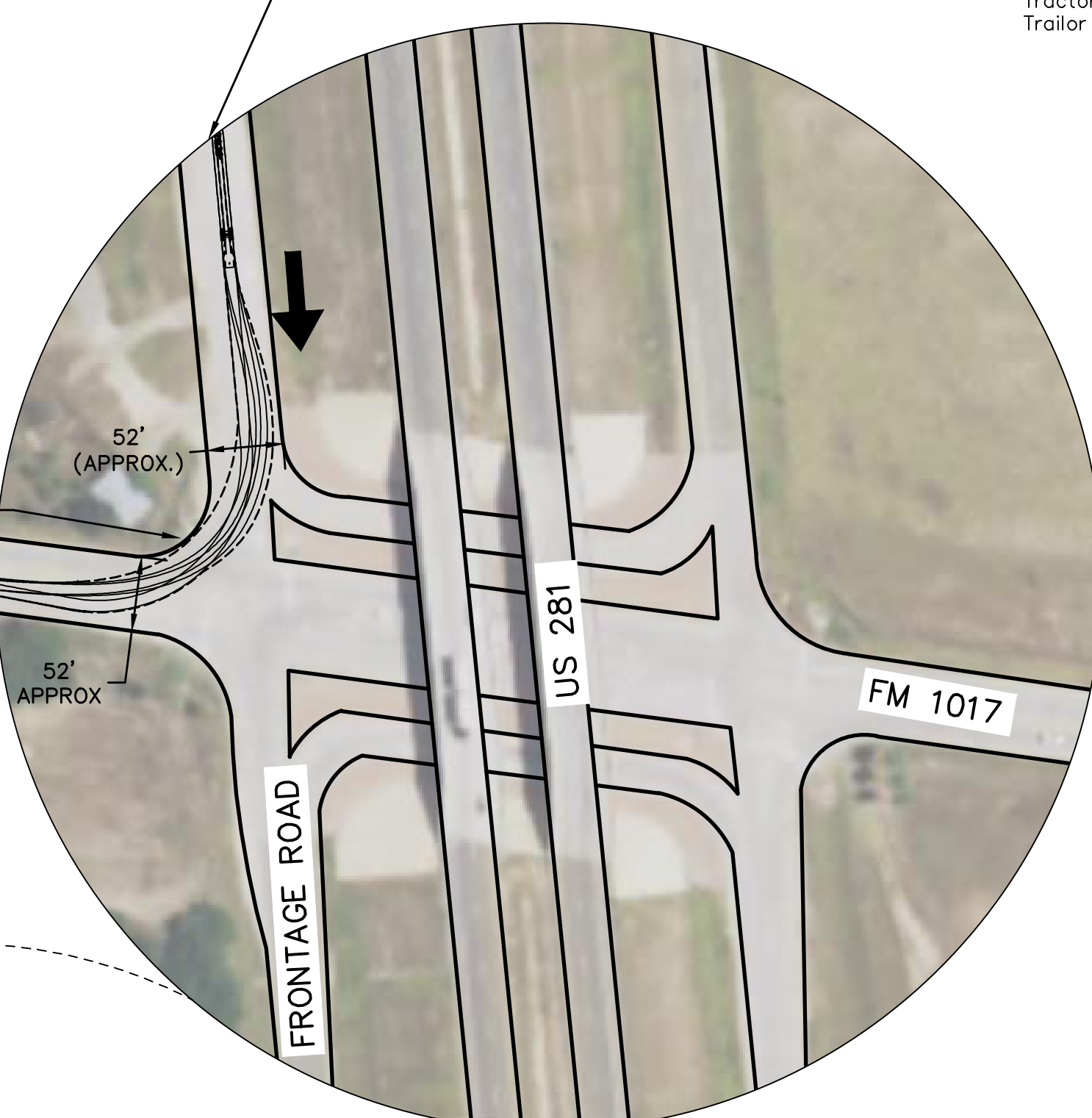
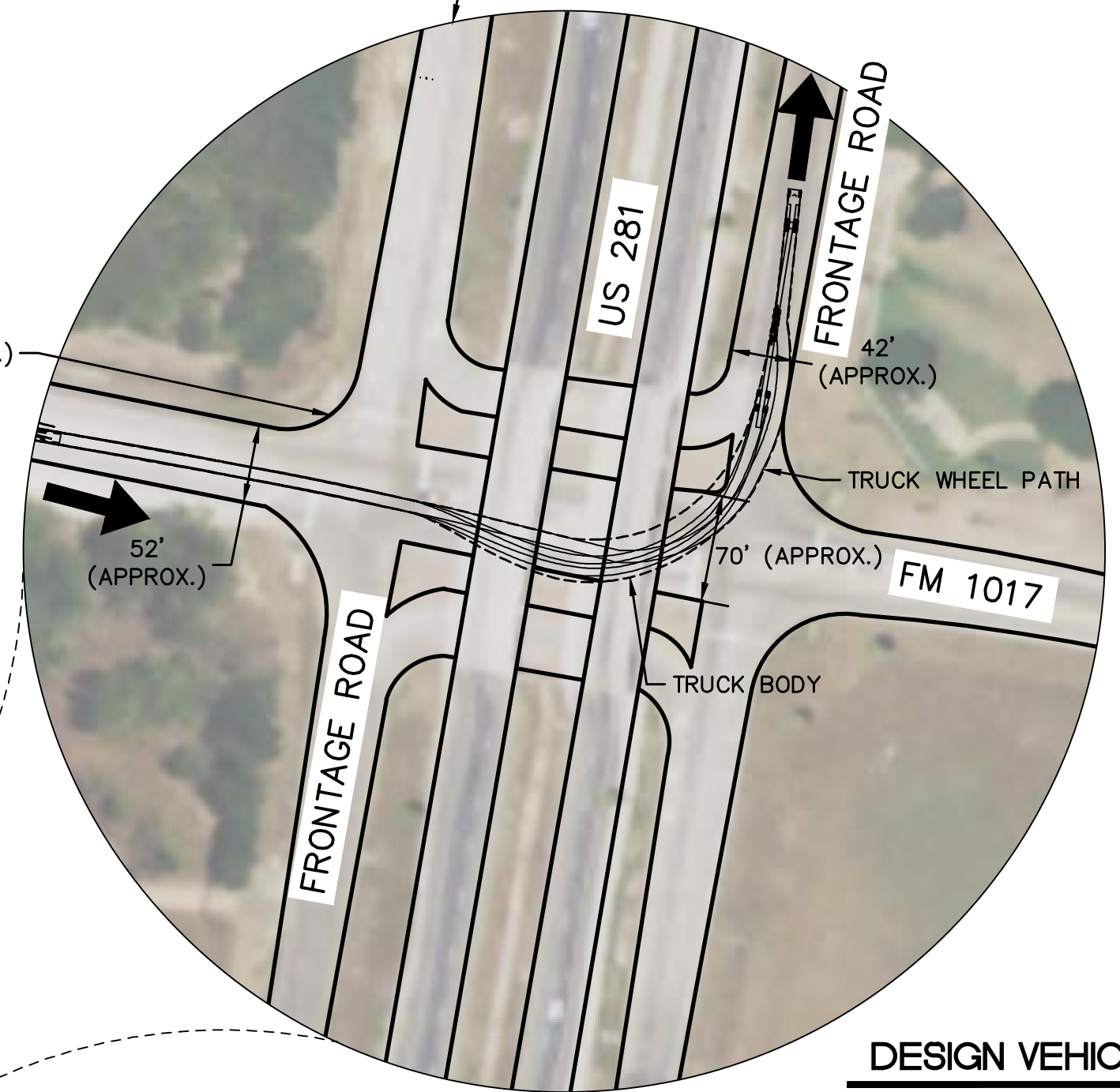
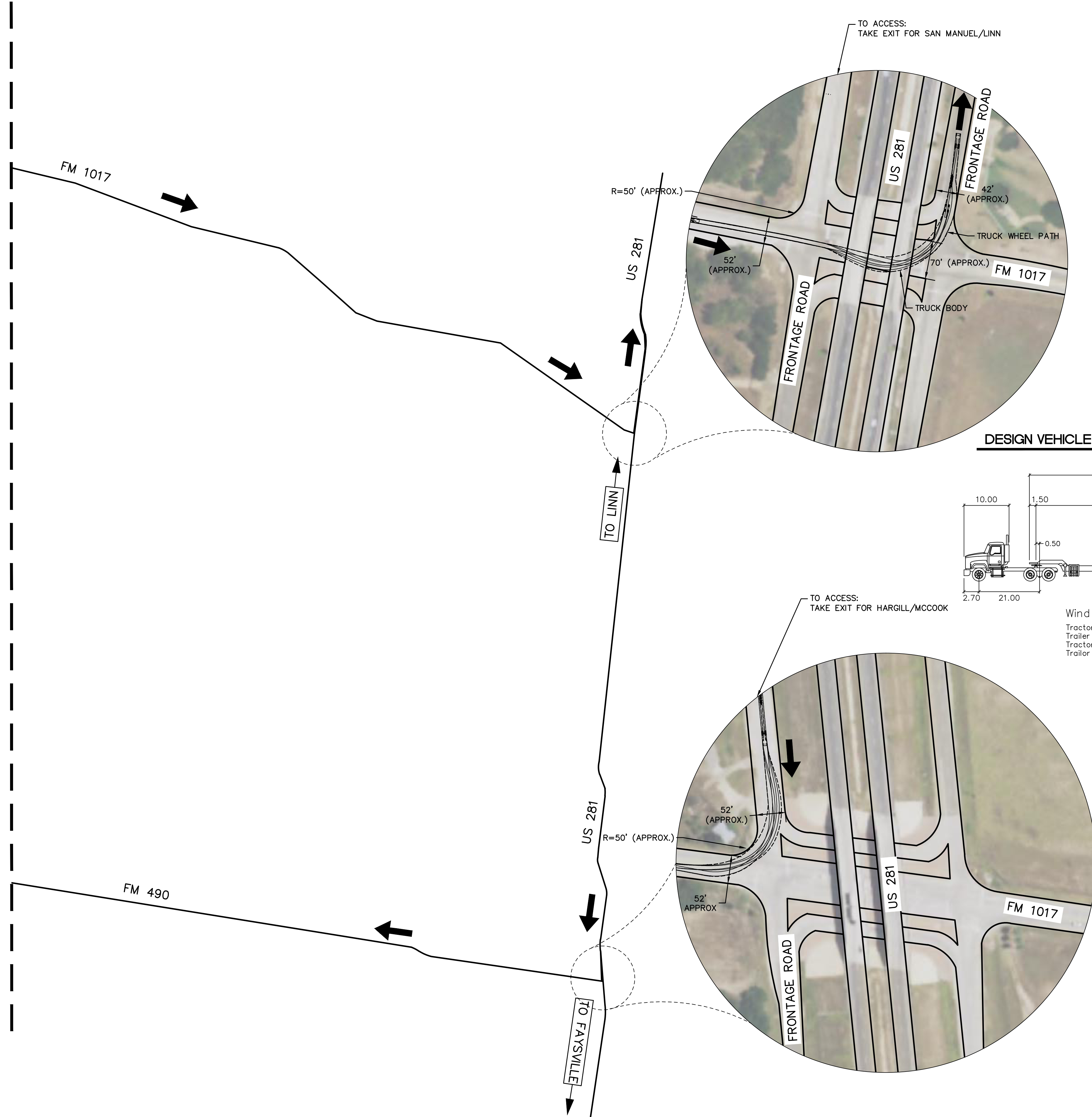
STATE OF TEXAS  
 PROFESSIONAL ENGINEER  
 BERNARD R. SMITH  
 LICENSE NO. 106839  
 EXPIRES 12/31/16

FIRM REGISTRATION NO. 15,121  
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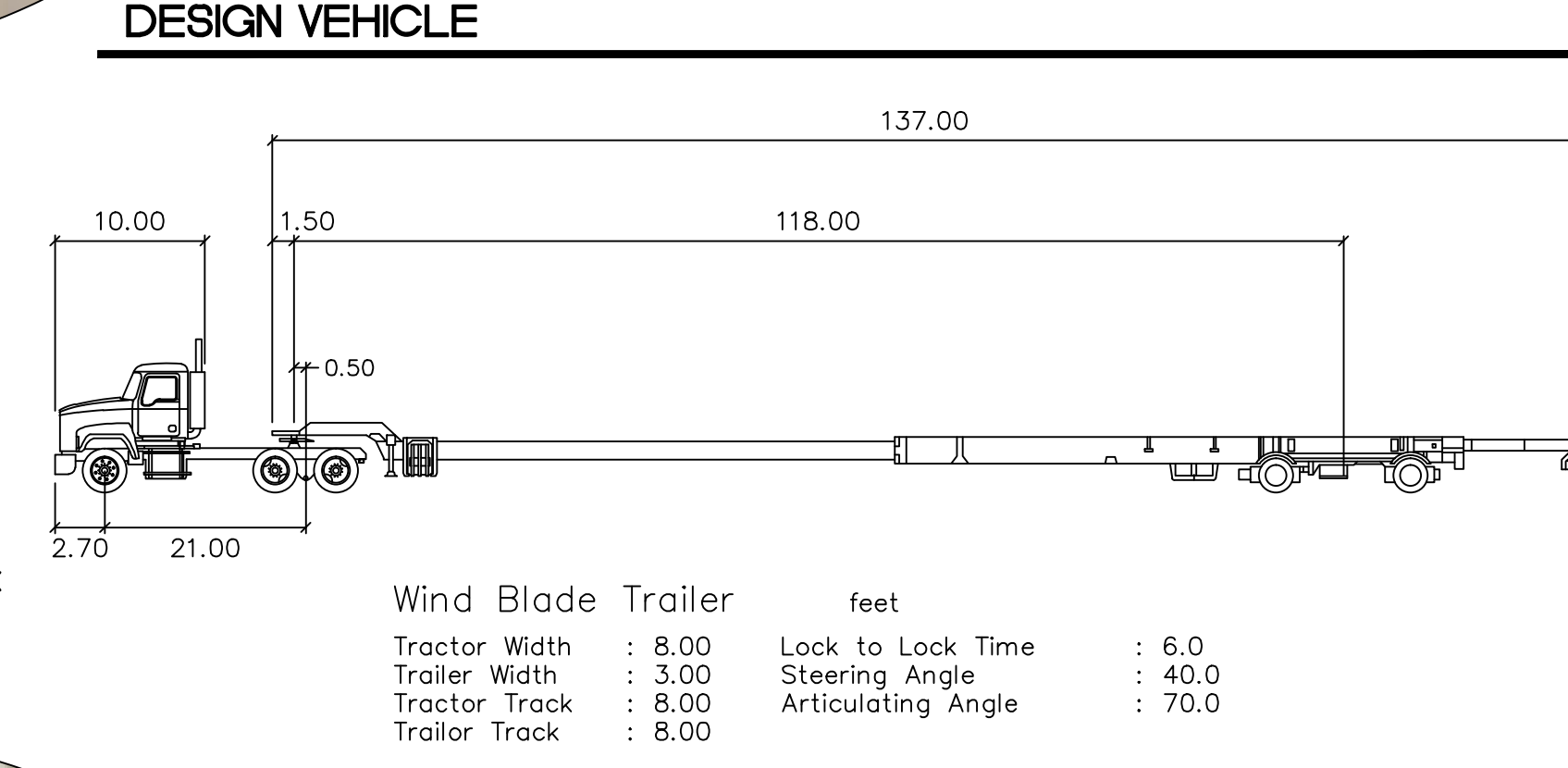
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SHEET **TSP1**  
 JOB NO. 2394-01

SEE SHEET TSP1 FOR CONTINUATION



- NOTES:**
1. TURBINE DELIVERY PATH IS RECOMMENDED TO FOLLOW DIRECTIONAL ARROWS AS SHOWN. PROJECT ACCESS FROM US 281 IS ON FM 490. THE TRUCK RETURN ROUTE IS ON FM 681 AND FM 1017 AS SHOWN WITH DIRECTIONAL ARROWS.
  2. TURBINE DELIVERY CONTRACTOR TO VERIFY THE TRAVEL ROUTE AND OBTAIN REQUIRED PERMITS.
  3. TURBINE DELIVERY CONTRACTOR TO MAINTAIN PROPER TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION PER MUTCD AND JURISDICTIONAL STANDARDS.



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**HIDALGO WIND FARM**  
HIDALGO AND STARR COUNTIES, TX

TRANSPORTATION PLAN

STATE OF TEXAS  
BERNARD R. SMITH  
106839  
LICENSED PROFESSIONAL ENGINEER

FIRM REGISTRATION NO. 15121  
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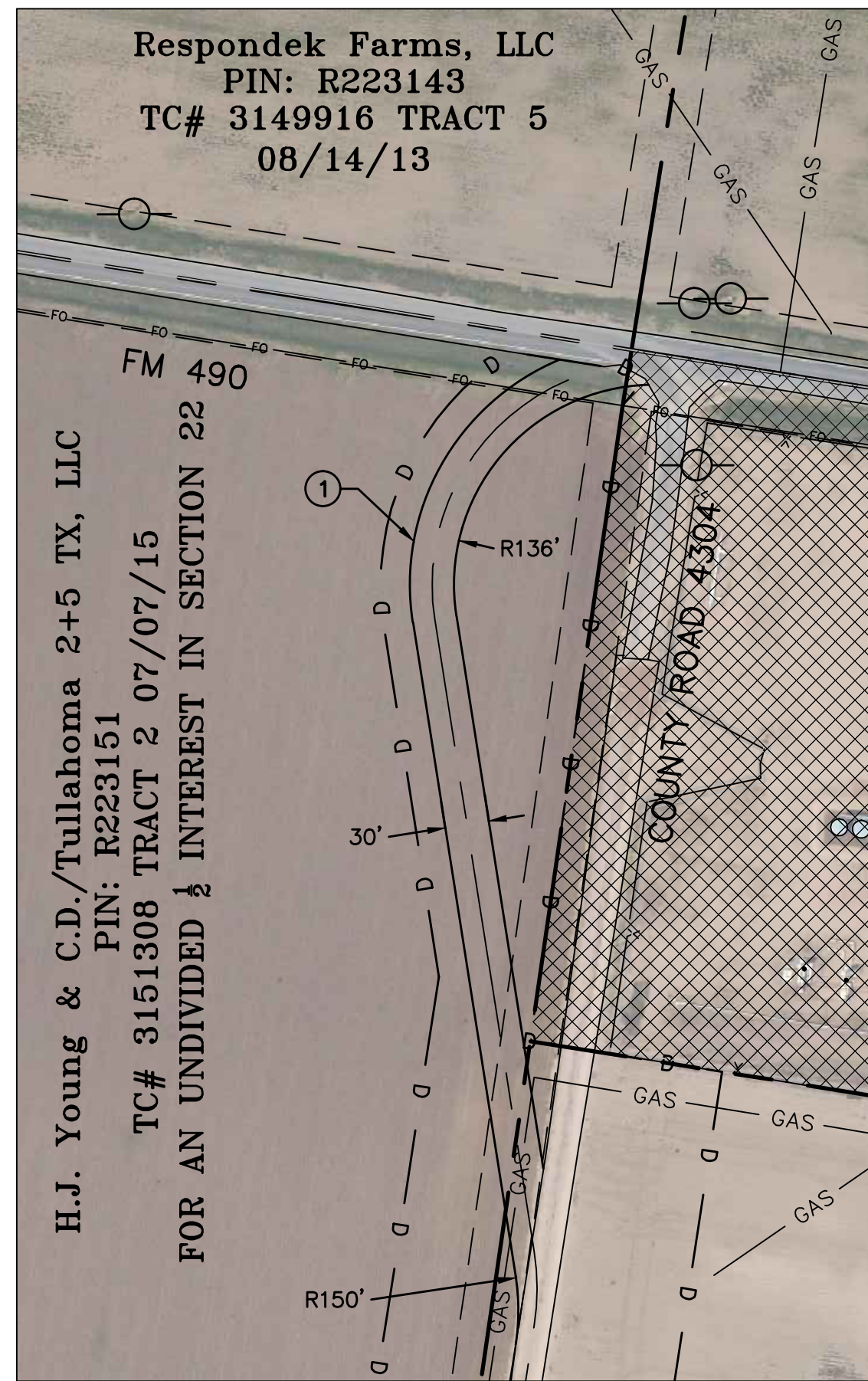
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SHEET  
**TSP2**  
JOB NO. 2394-01

**Appendix B:**

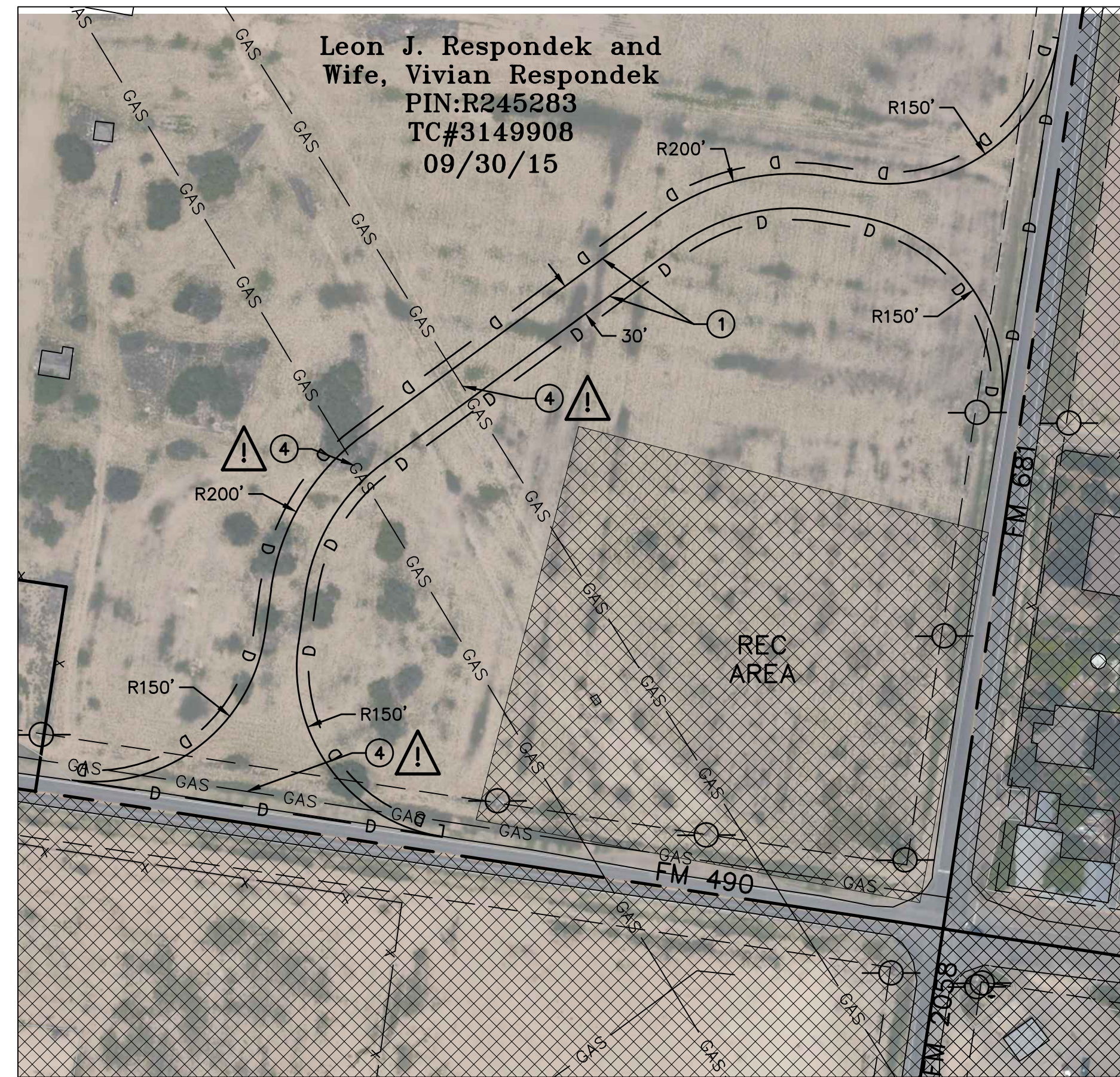
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**PUBLIC INTERSECTION IMPROVEMENTS**



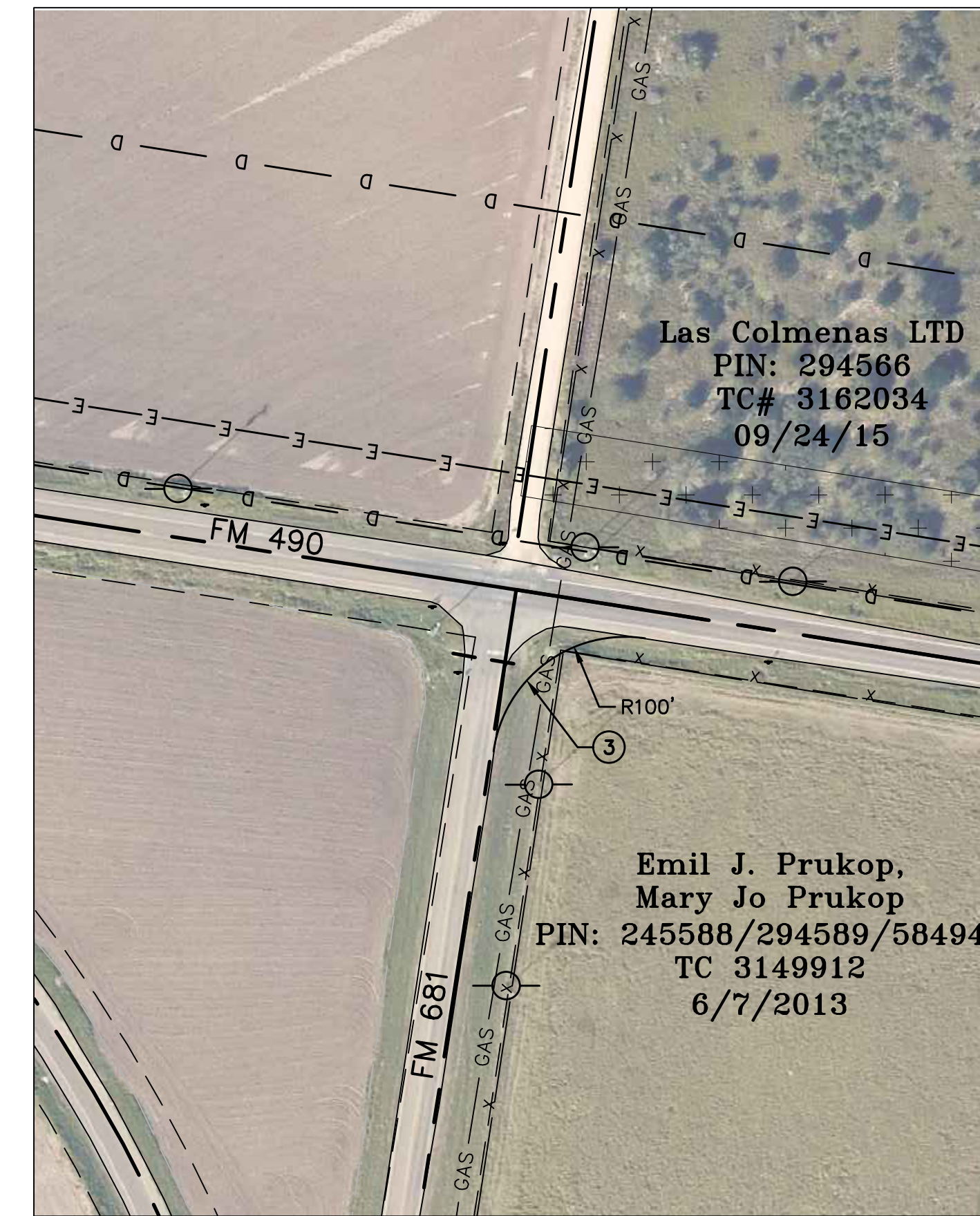
**INTERSECTION - FM 490 AND COUNTY ROAD 4304**

1"=100'



**INTERSECTION - FM 490 AND FM 681**

1"=100'



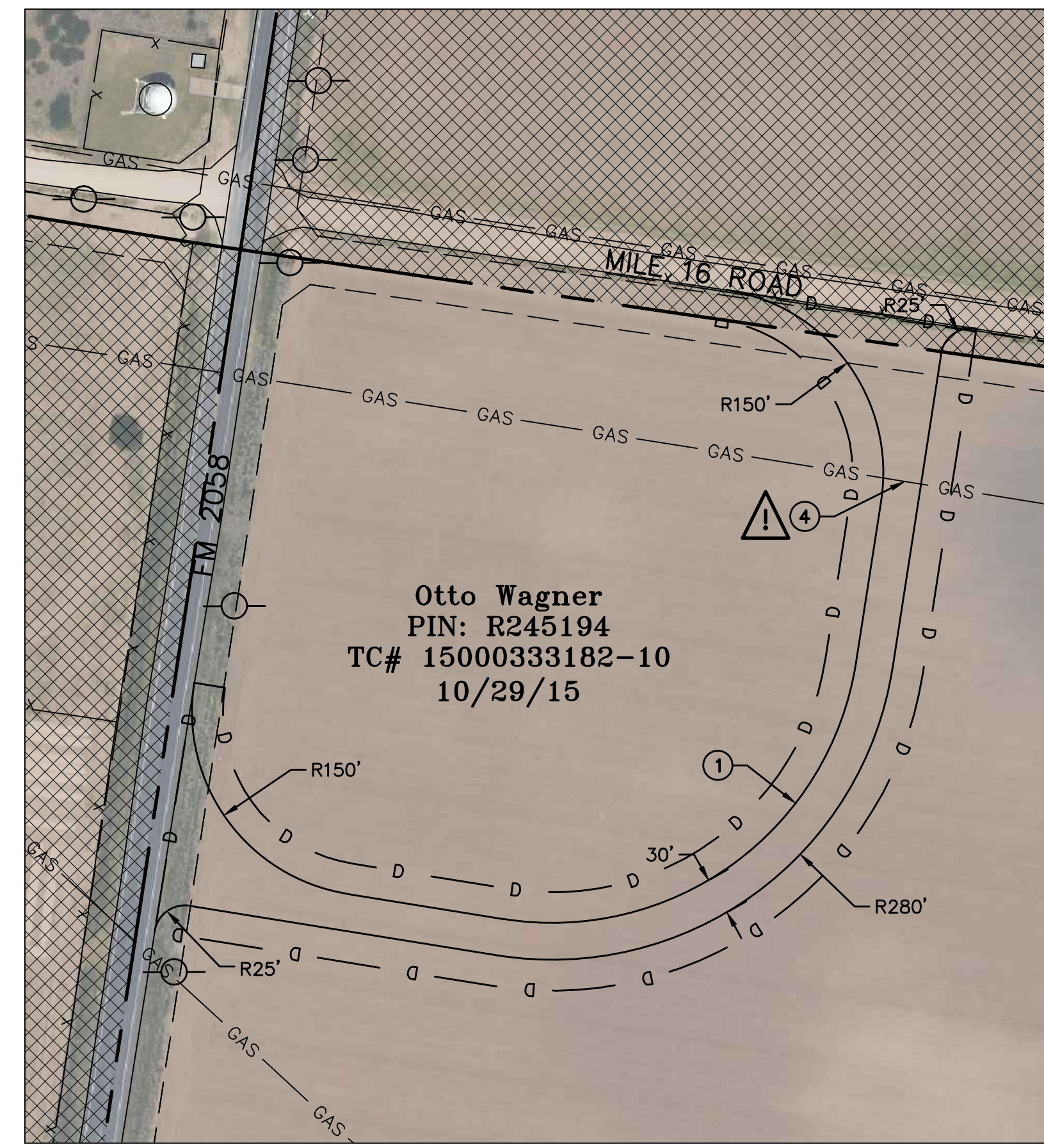
**KOTZUR ROAD TURNING IMPROVEMENT**

1"=100'



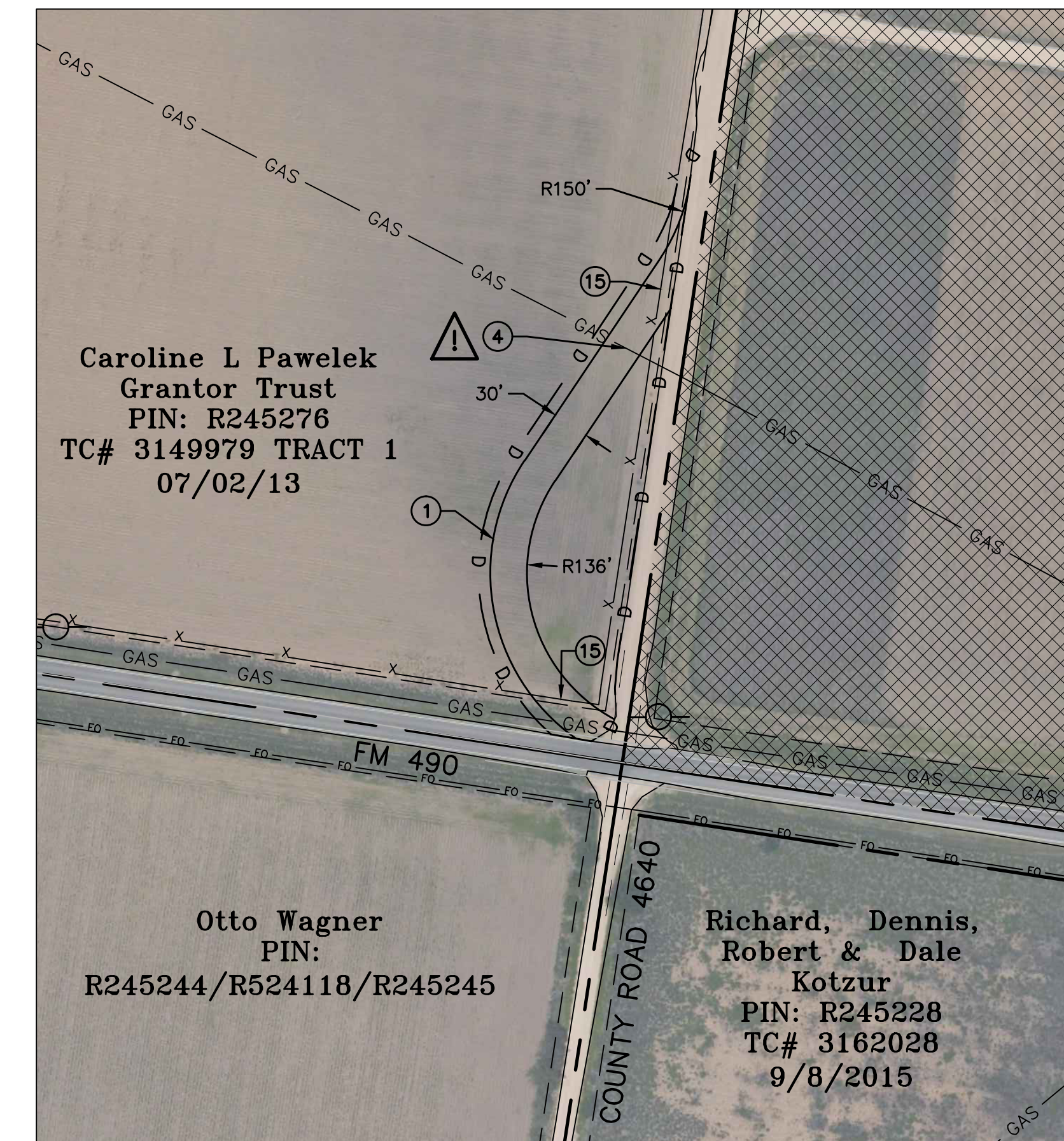
**INTERSECTION - MILE 16 ROAD AND COUNTY ROAD 4304**

1"=100'



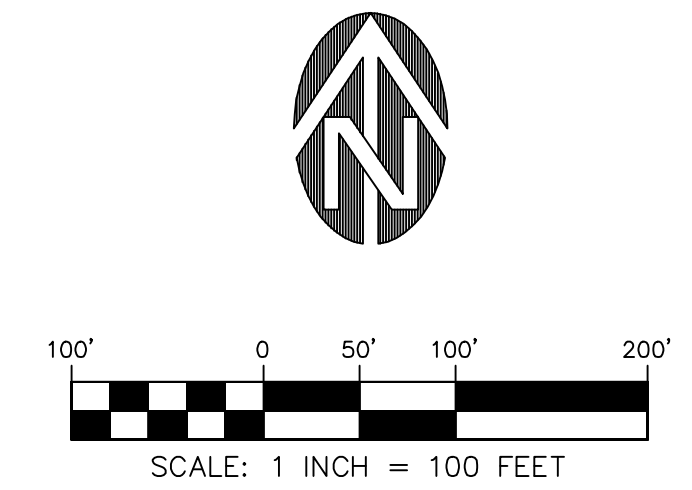
**INTERSECTION - FM 2058 AND MILE 16 ROAD**

1"=100'



**INTERSECTION - FM 490 AND COUNTY ROAD 4640**

1"=100'



**CONSTRUCTION KEYNOTES:**

- ① EDGE OF GRAVEL
- ③ EDGE OF COMPACTED SUBGRADE
- ④ APPROXIMATE LOCATION OF UNDERGROUND PIPE. ROAD CROSSING TO MEET PIPE COMPANY'S CROSSING REQUIREMENTS. SEE PIPE CROSSING DETAIL ON SHEET 103.
- ⑮ EXISTING FENCE TO BE REMOVED AT PUBLIC ROAD INTERSECTION IMPROVEMENTS. FENCE TO BE REPLACED IN KIND FOLLOWING CONSTRUCTION.

**TXDOT INTERSECTION GENERAL NOTES:**

1. CONTRACTOR TO MAINTAIN PROPER TRAFFIC CONTROL DURING CONSTRUCTION PER TXDOT STANDARDS. COORDINATE WITH TXDOT INSPECTOR PRIOR TO AND DURING CONSTRUCTION.
2. CONTRACTOR TO MAINTAIN THE EXISTING DRAINAGE PATTERNS AT THE PROPOSED INTERSECTION IMPROVEMENTS BY UTILIZING GRADING AND CULVERT EXTENSIONS AS REQUIRED. COORDINATE WITH TXDOT INSPECTOR PRIOR TO AND DURING CONSTRUCTION.
3. CONTRACTOR TO COORDINATE WITH TXDOT ON ANY SIGNAGE THAT WILL REQUIRE TEMPORARY RELOCATION OR REMOVAL. CONTRACTOR TO FOLLOW ALL TXDOT STANDARDS.

**GENERAL NOTES**

1. CONTRACTOR TO REMOVE ALL PUBLIC INTERSECTION IMPROVEMENTS FOLLOWING CONSTRUCTION.
2. REPLACE FENCE IN KIND IF ENCOUNTERED AT END OF CONSTRUCTION.

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**HIDALGO WIND FARM**  
 HIDALGO AND STARR COUNTIES, TX  
 PUBLIC INTERSECTION IMPROVEMENTS

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SHEET **6**  
 JOB NO. 2394-01  
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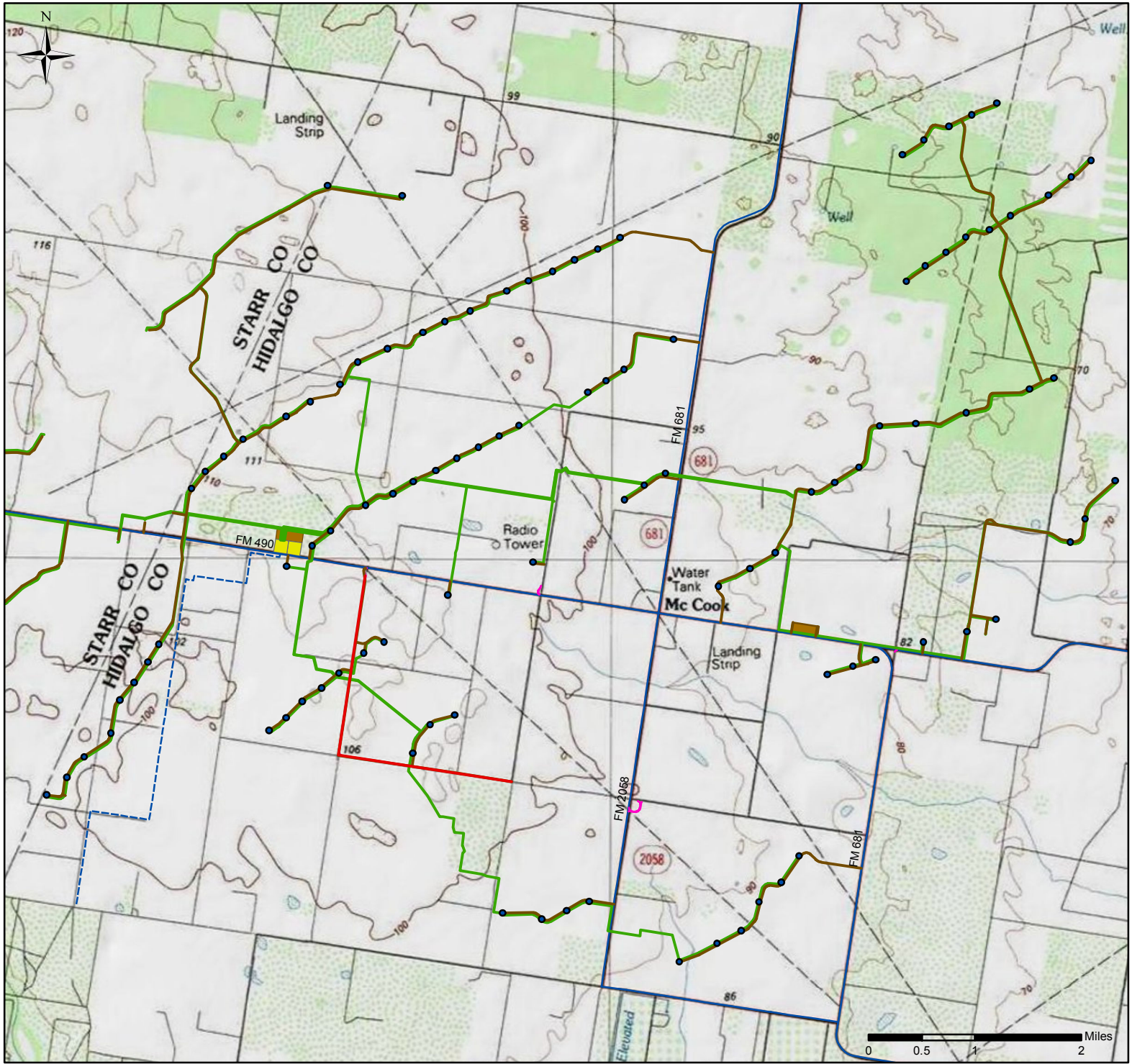
ISSUED FOR CONSTRUCTION - 1/22/16

**EXHIBIT C**

**WIND FARM SITE PLAN**

*See Attached*

# Exhibit C: Wind Farm Site Plan

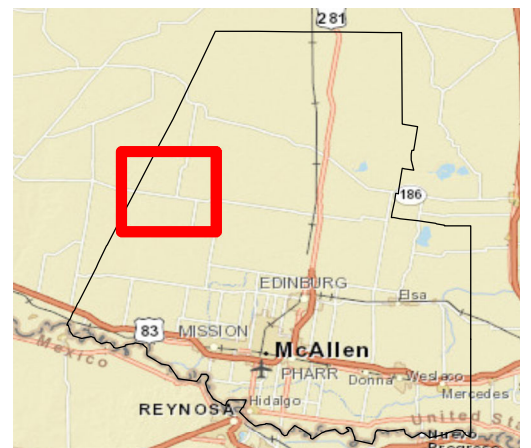


- Turbines
- Access Roads on Section Line
- Site Access Roads
- Underground Collection
- - - Transmission
- Hidalgo Turning Improvements
- Roads
- Substation, O&M
- Laydown Yard Options

Author: SFK  
 Date / Time: 27 January 2016 / 12:12 PM  
 Version: n/a

Datum: North American 1983  
 Projection: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
 Scale: 1:82,318

Sources: EDP, ESRI



**EXHIBIT D**

**STORM WATER POLLUTION PREVENTION PLAN**

*See Attached*

# STORMWATER POLLUTION PREVENTION PLAN

for

Hidalgo Wind Farm LLC

## Legally Responsible Person (LRP):

EDP Renewables  
808 Travis St., Suite 700  
Houston, Texas 77002  
LRP – Andrew Young  
312-435-1295

## Approved Signatory:

Mr. Ken Ripper, PE, Executive Vice President Technical Department EDP Renewables

## Project Site:

McCook, Texas (FM 681 @ FM 490) covering approximately 75 square miles

## SWPPP Prepared by:

Westlake Consultants, Inc.  
15115 SW Sequoia Parkway, Suite 150  
Tigard, OR 97224  
QSD – Bernard Smith, PE

## SWPPP Preparation Date

01/22/2016

## Estimated Project Dates:

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Start of Construction

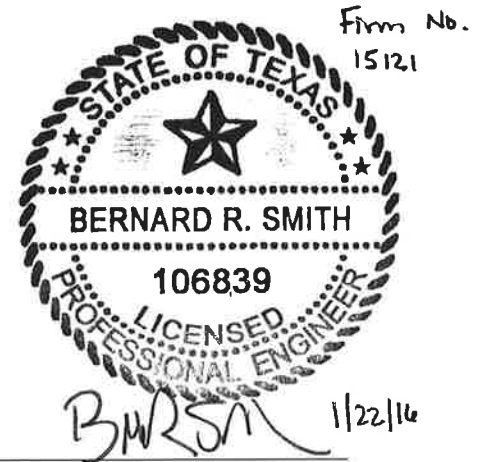
Completion of Construction

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02/16

12/16

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# **Section 1 SWPPP Requirements**

---

## **1.1 INTRODUCTION**

The Hidalgo Wind Farm project is located within an approximate 61 square mile area near McCook, Texas at the intersection of FM 681 at FM 490. The project spans Hidalgo and Starr Counties. The property is privately owned and leased by Hidalgo Wind Farm LLC and is being developed by EDP Renewables. The project location is shown on the Site Map in Appendix A.

There are no receiving waters to the state; however, this Stormwater Pollution Prevention Plan (SWPPP) is designed to comply with ordinance B-652 (Storm Water Pollution Control Ordinance), and the Environmental Protection Agency (EPA) and Texas Commission on Environmental Quality (TCEQ) regulations. This SWPPP is designed to address the following:

- Pollutants and their sources, including sources of sediment associated with construction and construction site erosion and other activities associated with construction activity;
- Site BMPs that are effective and result in the reduction or elimination of pollutants in stormwater discharges and authorized non-stormwater discharges from construction activity to the Best Available Technology/Best Control Technology (BAT/BCT) standard;

## **1.2 SWPPP AVAILABILITY AND IMPLEMENTATION**

The discharger shall make the SWPPP available at the construction site or, if the site is inactive or does not have an on-site location to store the plan, a notice must be posted describing the location of the SWPPP. The SWPPP must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or stormwater management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site. If the SWPPP is retained off-site, then it shall be made available as soon as reasonably possible. In most instances, it is reasonable that the SWPPP shall be made available within 24 hours of the request.

The SWPPP shall be implemented concurrently with the start of ground disturbing activities.

## **1.3 SWPPP REVISIONS AND UPDATES**

The SWPPP should be revised whenever the following occurs:

- A change in design, construction, operation or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWPPP
- Changing site conditions based on updated plans and specifications, new operators, new areas of responsibility, and changes in BMPs; or
- Results of inspections or investigations by site operators, operators of a municipal separate storm sewer system receiving the discharge, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWPPP is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under the general permit

## **1.4 RECORD KEEPING AND REPORTING**

A description of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of stormwater discharges must be included in the SWPPP. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must be incorporated in the SWPPP. Records should include dates of major grading activities, dates when construction stops temporarily or permanently, and the date when stabilization is initiated.

The permittee shall prepare and include in the SWPPP a report summarizing the scope of the evaluation, the personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWPPP, and actions taken in response to the findings of the evaluation. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any incidence(s), and the report must be signed according to 30 TAC §305.128, relating to Signatories to Reports.

## **1.5 NOTICE OF TERMINATION (NOT)**

A Notice of Termination (NOT) must be submitted on a form supplied by the executive director. Authorization to discharge under the general permit terminates at the midnight on the day the NOT is postmarked for delivery to the TCEQ. Compliance with the conditions and requirements of the general permit is required until a NOT is submitted.

## **Section 2 Project Information**

---

### **2.1 PROJECT AND SITE DESCRIPTION**

#### **2.1.1 Site Description**

The Hidalgo Wind Farm project comprises approximately 61 square miles and is located near McCook, Texas at the intersection of FM 681 at FM 490. The project spans Hidalgo and Starr Counties. The property is privately owned and leased by Hidalgo Wind Farm LLC and is being developed by EDP Renewables. The project location is shown on the Site Map in Appendix A.

#### **2.1.2 Existing Conditions**

As of the initial date of this SWPPP, the project site is predominately rural farmland with existing gas infrastructure.

#### **2.1.3 Existing Drainage**

There are no receiving waters to the state for this project. The existing rural farmland area is relatively flat and has roadside ditches which collect and convey stormwater.

#### **2.1.4 Project Description**

The development will include the construction of a 250 MW wind energy facility consisting of 125 turbines, overhead transmission lines, underground collection lines, substation, operation and maintenance facility, and supporting infrastructure. Approximately 40 miles of access roads will be constructed. Project grading will occur on approximately 250 acres of the project, which comprises less than 1 percent of the total area. The limits of grading are shown on Sheets EC1-EC4. Grading will include both cut and fill activities. Construction activities under this permit will not be phased.

#### **2.1.5 Developed Condition**

Post construction surface drainage will be directed to existing drainages present on-site. No surface drainage will be diverted to another basin area.

## **2.2 CONSTRUCTION SCHEDULE**

Site construction is expected to occur between 02/16 and 12/16. No project phasing will occur.

## **2.3 POTENTIAL CONSTRUCTION ACTIVITY AND POLLUTANT SOURCES**

Anticipated construction activities are grading and development, streets and utilities, vertical construction and stabilization. These activities and associated materials will or could potentially contribute pollutants, other than sediment, to stormwater runoff.

The anticipated activities and associated pollutants were used to select the Best Management Practices for the project. Location of anticipated pollutants and associated BMPs are show on Sheets EC1-EC4.

## **2.4 IDENTIFICATION OF NON-STORMWATER DISCHARGES**

Non-stormwater discharges consist of discharges which do not originate from precipitation events. The General Permit provides allowances for specified non-stormwater discharges that do not cause erosion or carry other pollutants.

Non-stormwater discharges into storm drainage systems or waterways, which are not authorized under the General Permit and listed in the SWPPP, or authorized under a separate NPDES permit, are prohibited.

Non-stormwater discharges that are authorized from this project site include the following:

- NONE

## **Section 3 Best Management Practices (BMPs)**

---

### **3.1 EROSION AND SEDIMENT CONTROL**

Erosion and sediment controls are required by the General Permit to provide effective reduction or elimination of sediment related pollutants in stormwater discharges and authorized non-stormwater discharges from the Site. Applicable BMPs are identified in this section for erosion control, sediment control, tracking control, and wind erosion control. When final stabilization is achieved removal of all temporary sediment and erosion control measures is required along with a filing of a Notice of Termination.

#### **3.2.1 Erosion Control**

Erosion control, also referred to as soil stabilization, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in stormwater runoff. Erosion control BMPs protect the soil surface by covering and/or binding soil particles.

This construction project will implement the following practices to provide effective temporary and final erosion control during construction:

1. Preserve existing vegetation where required and when feasible.
2. The area of soil disturbing operations shall be controlled such that the Contractor is able to implement erosion control BMPs quickly and effectively.
3. Stabilize non-active areas within 14 days of cessation of construction activities or sooner if stipulated by local requirements.
4. Control erosion in concentrated flow paths by applying erosion control blankets, check dams, erosion control seeding or alternate methods.
5. Prior to the completion of construction, apply permanent erosion control to remaining disturbed soil areas.

Sufficient erosion control materials shall be maintained onsite to allow implementation in conformance with this SWPPP.

#### **3.2.2 Sediment Controls**

Sediment controls are temporary or permanent structural measures that are intended to complement the selected erosion control measures and reduce sediment discharges from active construction areas. Sediment controls are designed to intercept and settle out soil particles that have been detached and transported by the force of water.

1. Silt fence
2. Construction entrance
3. Riprap outfall where needed

## **Section 4 BMP Inspection and Maintenance**

---

### **4.1 BMP INSPECTION AND SITE MAINTENANCE**

The General Permit requires inspections of BMPs once every 2 weeks and 24 hours after a storm event of 0.5 inches or more. Alternately, inspections may be performed once every 7 days without additional inspections after rain events. A BMP inspection checklist must be filled out for inspections and maintained on-site with the SWPPP. An example report is provided in Appendix B. The inspection report should include:

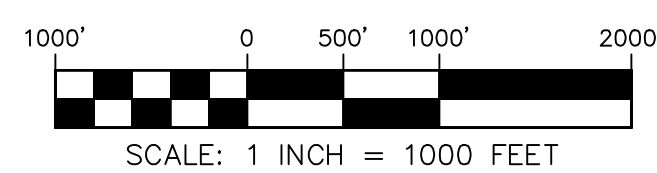
1. Inspector's name and qualifications
2. Date of inspection
3. Disturbed areas of the construction site that have not been stabilized
4. Areas used for storage of materials that are exposed to precipitation
5. Structural control measures
6. Location where vehicles enter or exit the site
7. Identification of measures that need to be maintained, modified, or added to correct problems (and specify update of plan within 7 calendar days)

Site maintenance includes:

1. The inspection of adjacent areas daily and the pick up of construction waste materials, debris, and fugitive sediment that have blown or wasted off-site.
2. Maintenance of all erosion and sediment control measures and other protective measures to ensure effective operating conditions.
3. Sediment removal from controls when design capacity is reduced by 50%.

## ***Appendix A: Site Maps***

---



**LEGEND**

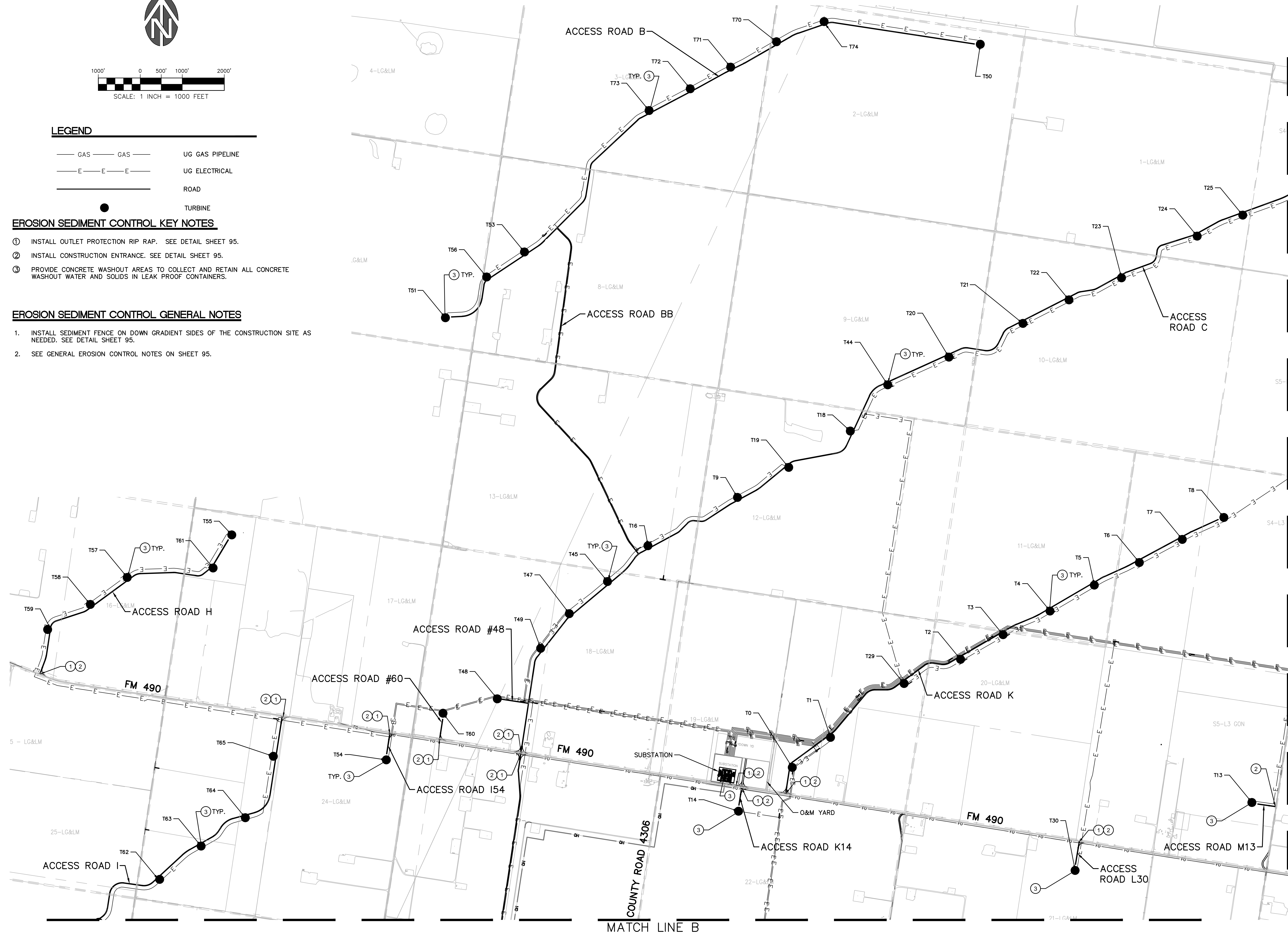
- GAS — GAS — UG GAS PIPELINE
- E — E — E — UG ELECTRICAL
- — — ROAD
- TURBINE

**EROSION SEDIMENT CONTROL KEY NOTES**

- ① INSTALL OUTLET PROTECTION RIP RAP. SEE DETAIL SHEET 95.
- ② INSTALL CONSTRUCTION ENTRANCE. SEE DETAIL SHEET 95.
- ③ PROVIDE CONCRETE WASHOUT AREAS TO COLLECT AND RETAIN ALL CONCRETE WASHOUT WATER AND SOLIDS IN LEAK PROOF CONTAINERS.

**EROSION SEDIMENT CONTROL GENERAL NOTES**

1. INSTALL SEDIMENT FENCE ON DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AS NEEDED. SEE DETAIL SHEET 95.
2. SEE GENERAL EROSION CONTROL NOTES ON SHEET 95.



**WESTLAKE CONSULTANTS INC.**  
 ENGINEERING • SURVEYING • PLANNING  
 10000 WESTLAKE DRIVE, SUITE 150  
 HOUSTON, TEXAS 77060  
 PHONE: (281) 416-1100 FAX: (281) 416-1101

**HIDALGO WIND FARM**  
 HIDALGO AND STARR COUNTIES, TX  
 EROSION CONTROL PLAN

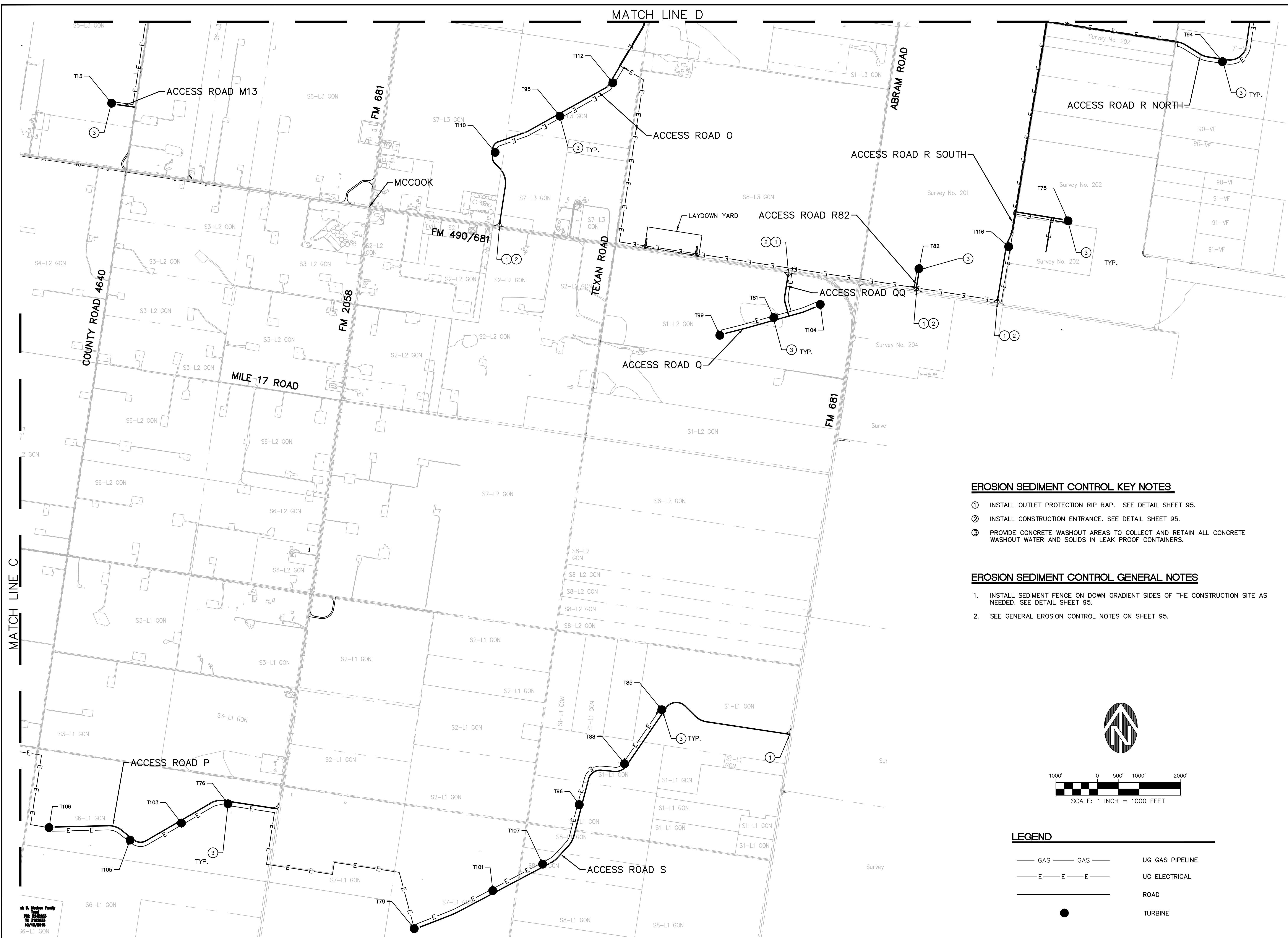
STATE OF TEXAS  
 BERNARD R. SMITH  
 106839  
 LICENSED PROFESSIONAL ENGINEER  
 FIRM REGISTRATION NO. 15,121  
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REVISIONS	DATE	DESCRIPTION	DESIGNER	CHECKED

SHEET **EC1**  
 JOB NO. 2394-01  
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ISSUED FOR CONSTRUCTION - 1/22/16



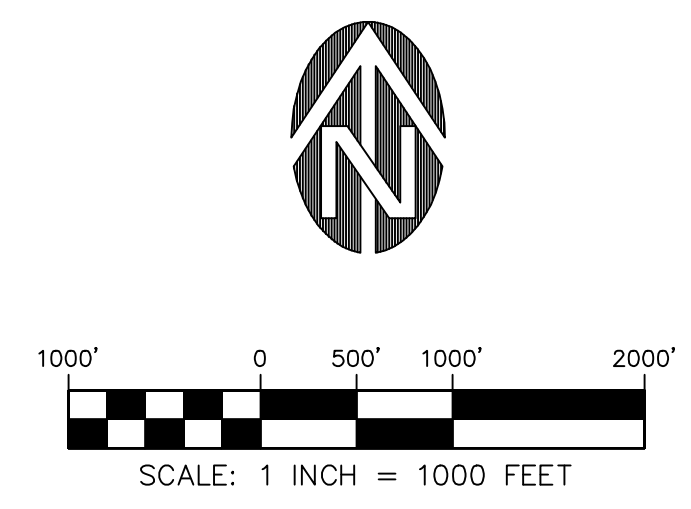


**EROSION SEDIMENT CONTROL KEY NOTES**

- ① INSTALL OUTLET PROTECTION RIP RAP. SEE DETAIL SHEET 95.
- ② INSTALL CONSTRUCTION ENTRANCE. SEE DETAIL SHEET 95.
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**EROSION SEDIMENT CONTROL GENERAL NOTES**

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**LEGEND**

- GAS — GAS — UG GAS PIPELINE
- E — E — E — UG ELECTRICAL
- ROAD
- TURBINE

**WESTLAKE CONSULTANTS INC.**  
 ENGINEERING • SURVEYING • PLANNING  
 10000 W. CENTRAL AVENUE SUITE 150  
 TIGARD, OREGON 97224  
 (503) 884-0952  
 FAX (503) 884-0157

**HIDALGO WIND FARM**  
 HIDALGO AND STARR COUNTIES, TX  
**EROSION CONTROL PLAN**

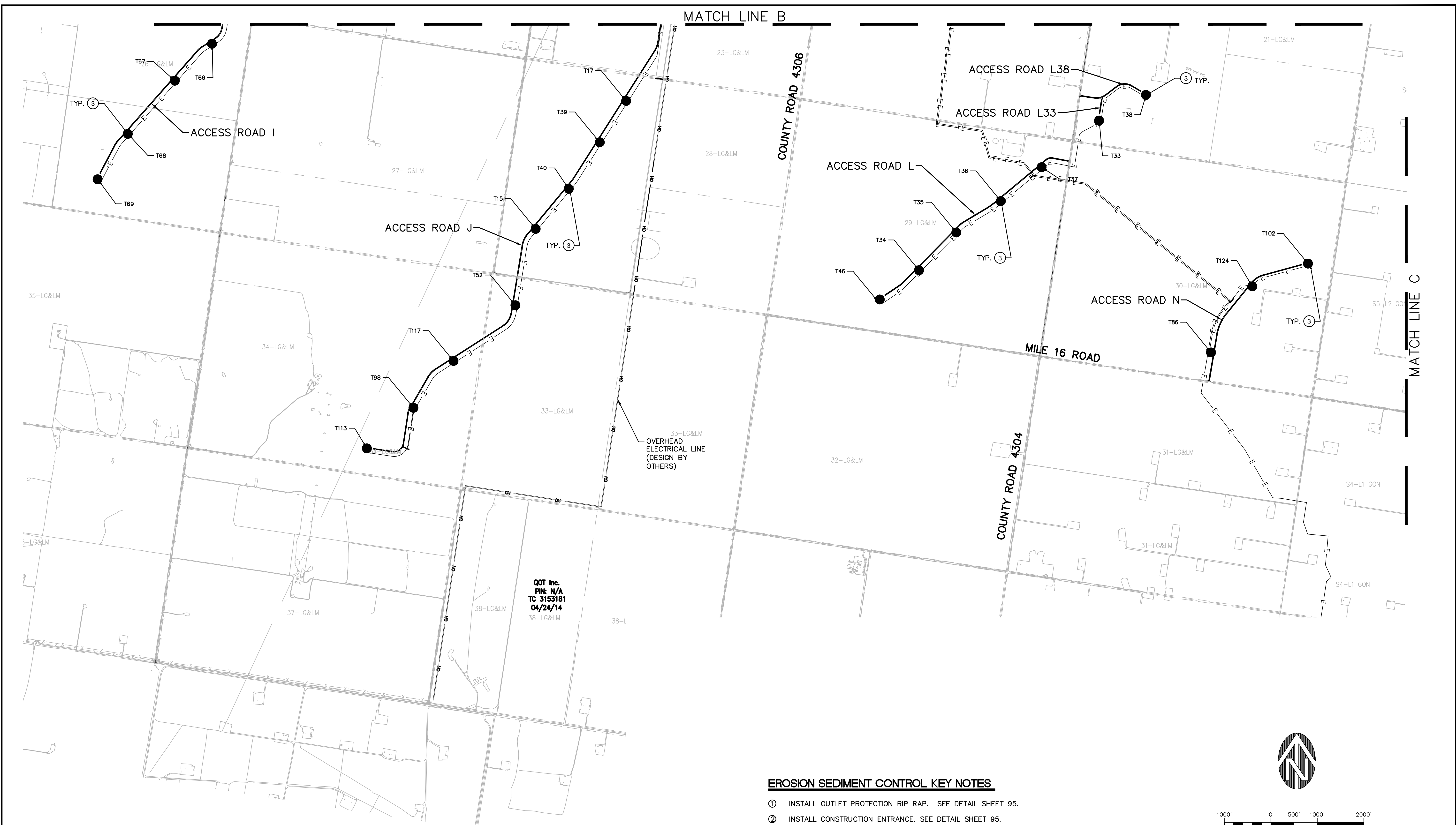
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SHEET **EC3**  
 JOB NO. 2394-01  
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W. D. Madsen Family  
 PO BOX 234883  
 97224-0883  
 TIGARD, OREGON



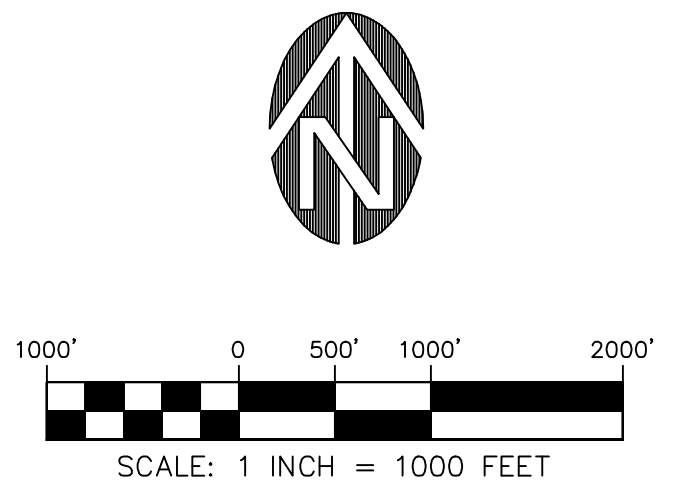
QOT Inc.  
 PIN: N/A  
 TC 3153181  
 04/24/14  
 38-LG&LM

**EROSION SEDIMENT CONTROL KEY NOTES**

- ① INSTALL OUTLET PROTECTION RIP RAP. SEE DETAIL SHEET 95.
- ② INSTALL CONSTRUCTION ENTRANCE. SEE DETAIL SHEET 95.
- ③ PROVIDE CONCRETE WASHOUT AREAS TO COLLECT AND RETAIN ALL CONCRETE WASHOUT WATER AND SOLIDS IN LEAK PROOF CONTAINERS.

**EROSION SEDIMENT CONTROL GENERAL NOTES**

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- 2. SEE GENERAL EROSION CONTROL NOTES ON SHEET 95.



**LEGEND**

- GAS — GAS — UG GAS PIPELINE
- E — E — E — UG ELECTRICAL
- ROAD
- TURBINE

**WESTLAKE CONSULTANTS INC.**  
 ENGINEERING • SURVEYING • PLANNING  
 FACILITY CONSTRUCTION  
 10000 COUNTY SUITE 150  
 TIGARD, OREGON 97224  
 (503) 884-0982  
 FAX (503) 884-0157

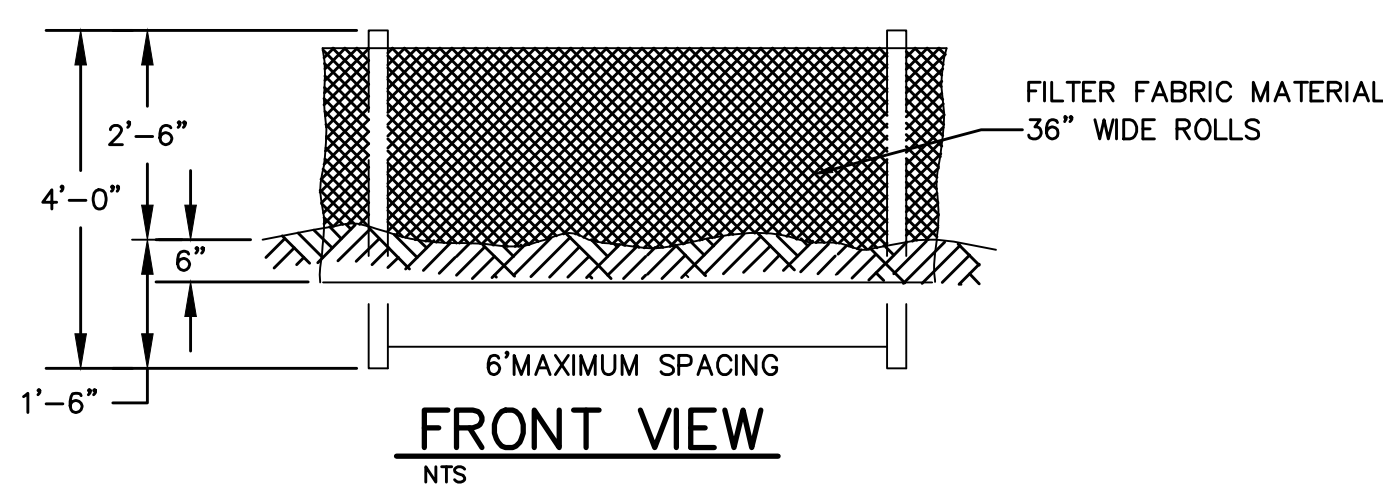
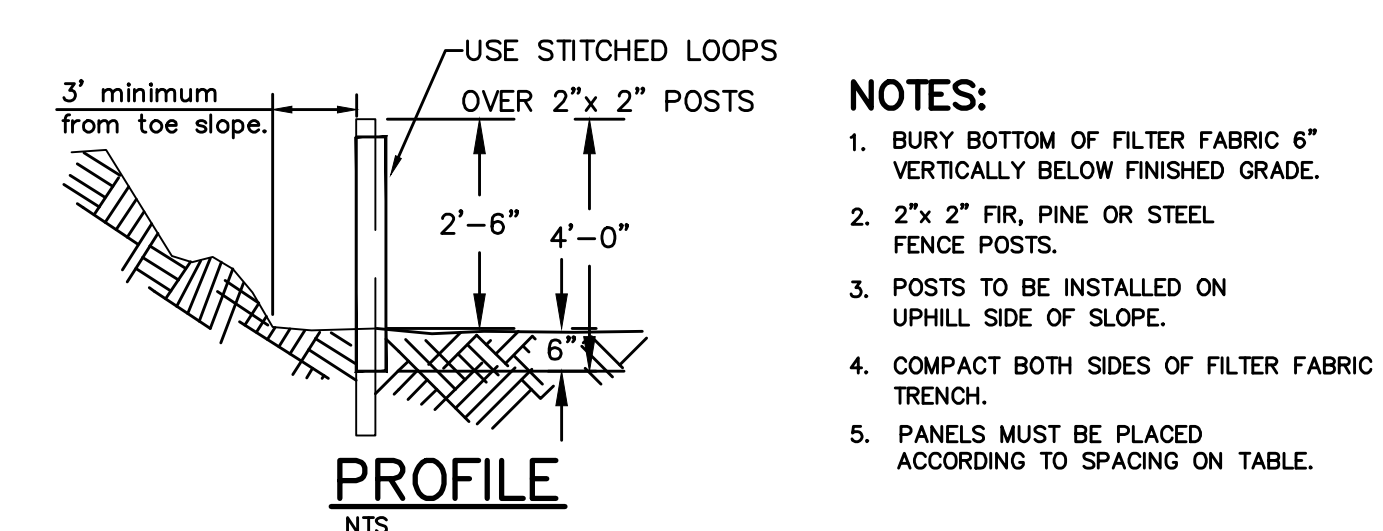
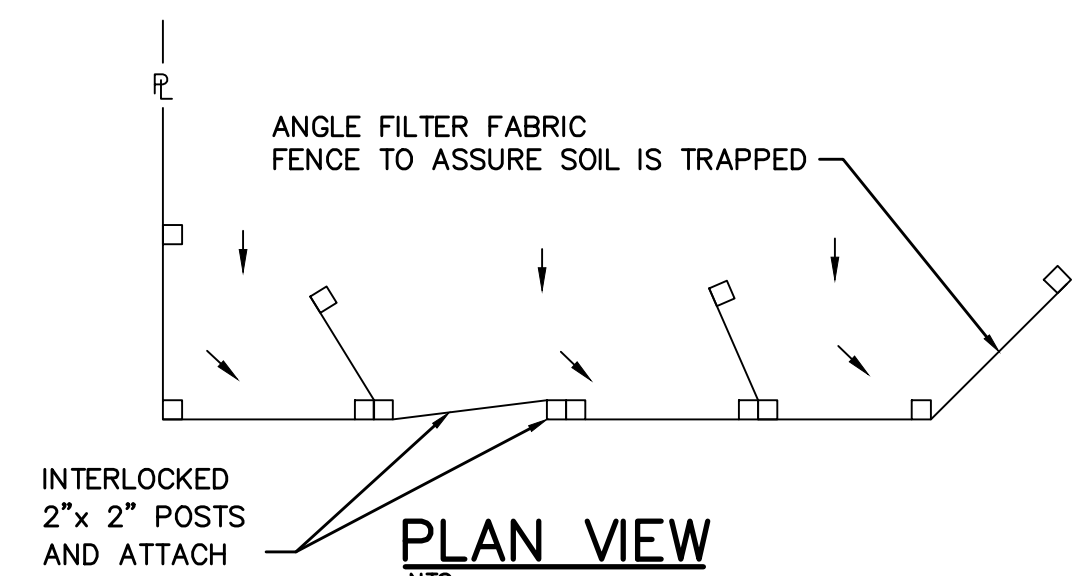
**HIDALGO WIND FARM**  
 HIDALGO AND STARR COUNTIES, TX  
 EROSION CONTROL PLAN

STATE OF TEXAS  
 BERNARD R. SMITH  
 106839  
 LICENSED PROFESSIONAL ENGINEER  
 FIRM REGISTRATION NO. 15,121  
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REVISIONS	DATE	DESCRIPTION	DESIGN	CHECKED

SHEET  
**EC4**  
 JOB NO. 2394-01

ISSUED FOR CONSTRUCTION - 1/22/16

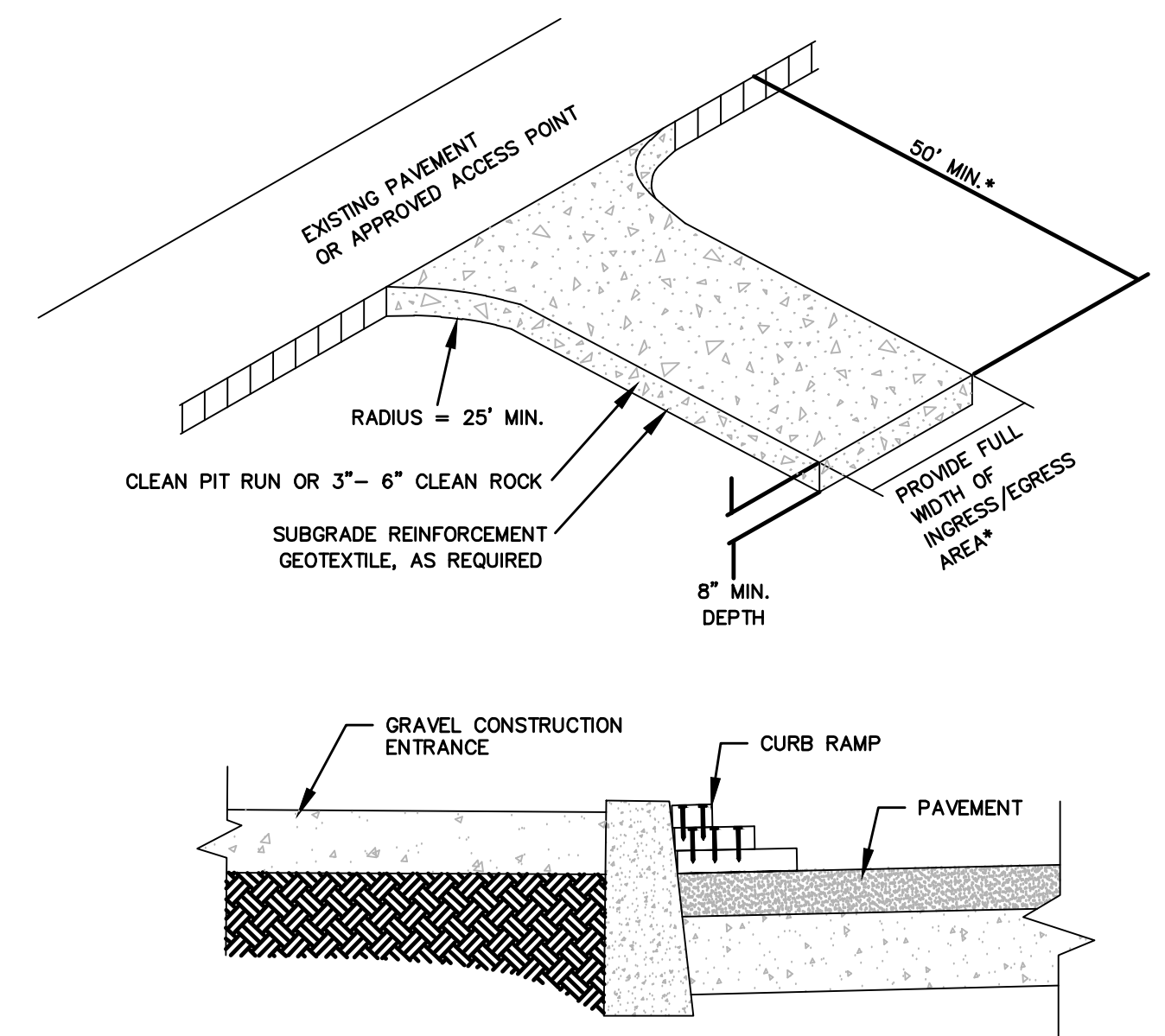


**SEDIMENT FENCE**  
NOT TO SCALE

**BARRIER SPACING FOR GENERAL APPLICATION**

INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS

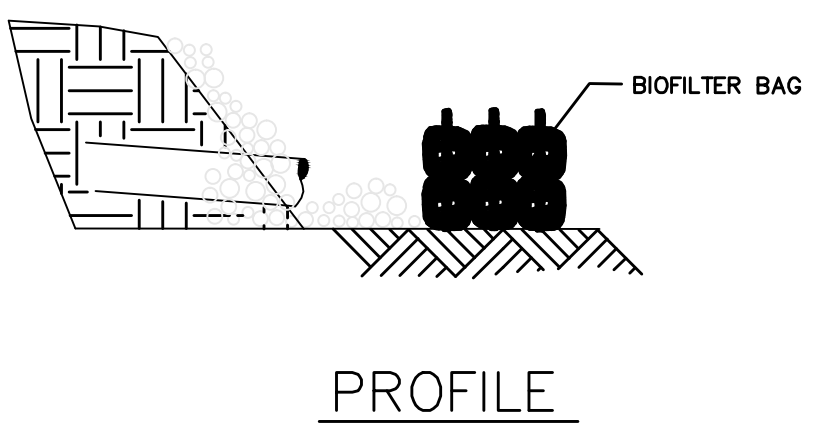
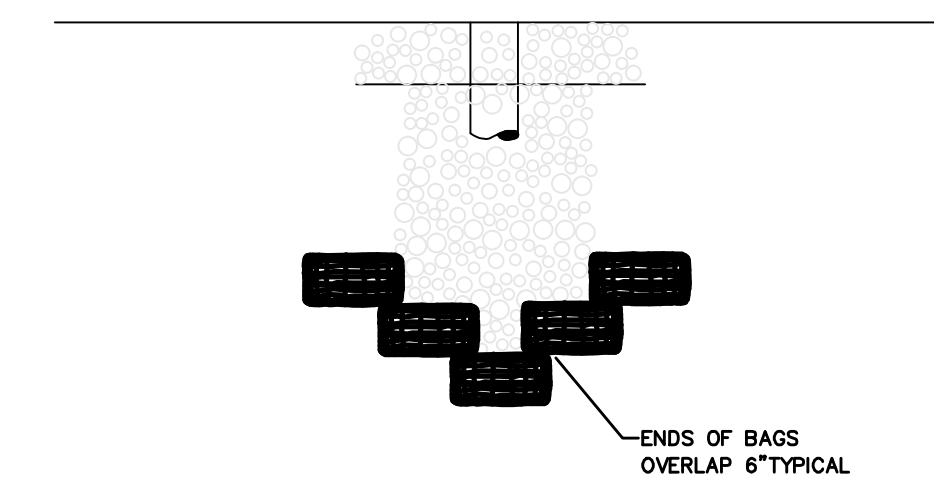
% SLOPE	SLOPE	MAXIMUM SPACING ON SLOPE
10% OR FLATTER	10:1 OR FLATTER	300 FT
>10% OR <15%	>10:1 OR <7.5:1	150 FT
>15% OR <20%	>7.5:1 OR <5:1	100 FT
>20% OR <30%	>5:1 OR <3.5:1	50 FT
>30% OR <50%	>3.5:1 OR <2:1	25 FT



- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
  4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
  5. DIMENSIONS 50' LONG BY 20' WIDE 3-6" CLEAN ROCK. GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

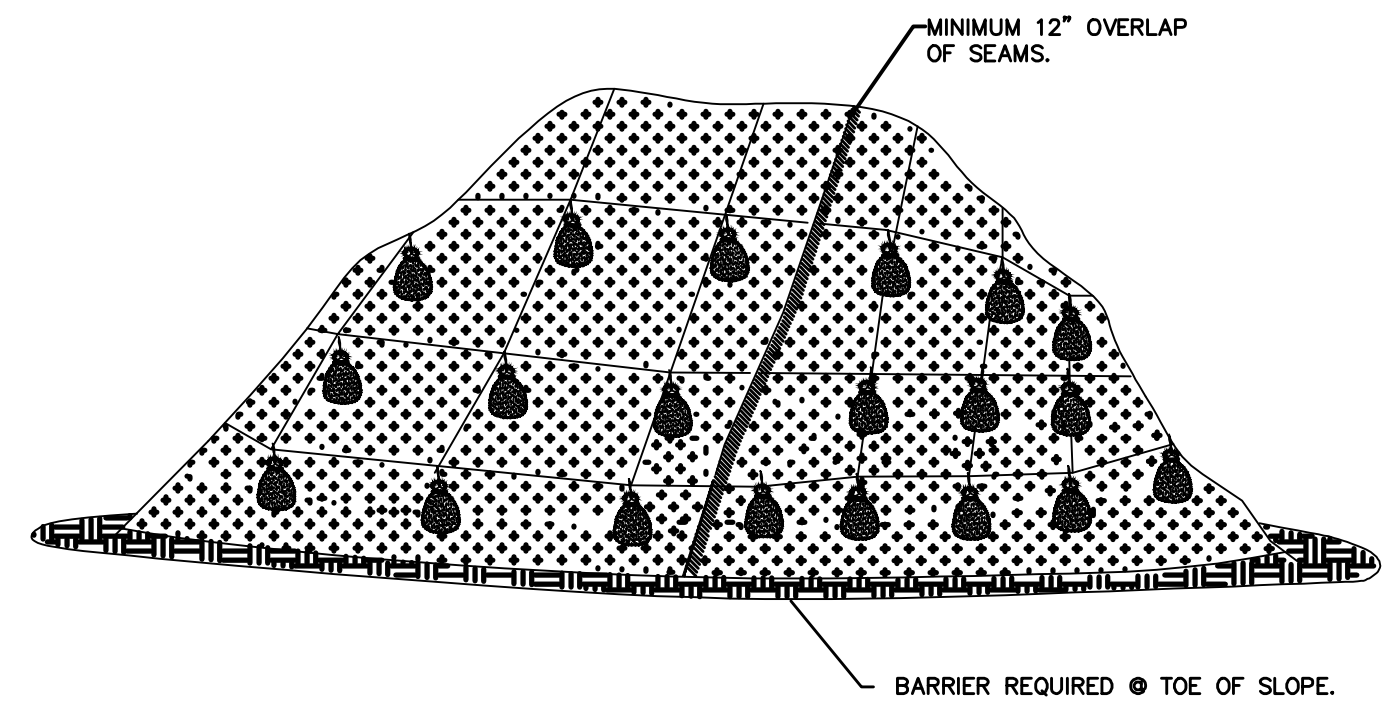
**CONSTRUCTION ENTRANCE**  
NOT TO SCALE

- NOTES:
1. WHEN RAINFALL AND RUNOFF OCCURS DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS MUST BE PROVIDED BY SOME ONE KNOWLEDGEABLE AND EXPERIENCED IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS.
  2. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
  3. ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED.
  4. SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS.
  5. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
  6. SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3RD THE BARRIER HEIGHT, AND PRIOR TO THE CONTROL MEASURES REMOVAL.
  7. CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
  8. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
  9. THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
  10. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
  11. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS.
  12. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT.
  13. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
  14. WATER-TIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPs; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
  15. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).
  16. THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
  17. THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
  18. WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
  19. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPs MUST BE USED WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
  20. ALL EXPOSED SOILS MUST BE COVERED AS REQUIRED TO PREVENT SEDIMENT LADEN WATER FROM DISCHARGING OFFSITE.



- NOTE:
1. BIO BAGS ONLY REQUIRED WHEN DISCHARGING SEDIMENT LADEN WATER.
  2. STAKING OF BAGS REQUIRED WITH EITHER METHOD USING (2) 1"x 2" WOOD STAKES OR APPROVED EQUAL PER BAG.

**OUTLET PROTECTION RIP RAP**  
NOT TO SCALE



- NOTES:
1. MINIMUM 12" OVERLAP OF ALL SEAMS REQUIRED.
  2. BARRIER REQUIRED @ TOE OF STOCK PILE.
  3. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10' GRID SPACING IN ALL DIRECTIONS.

**PLASTIC SHEETING**  
NOT TO SCALE

**GENERAL EROSION CONTROL NOTES**

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REVISIONS	DATE	DESCRIPTION	DESIGNER	CHECKED

## **Appendix B: Example Inspection Report**

### **BMP INSPECTION REPORT**

Date and Time of Inspection:		Date Report Written:		
Inspection Type: (Circle one)	Weekly <i>Complete Parts I, II, III and VII</i>	Pre-Storm <i>Complete Parts I, II, III, IV and VII</i>	During Rain Event <i>Complete Parts I, II, III, V, and VII</i>	Post-Storm <i>Complete Parts I, II, III, VI and VII</i>
<b>Part I. General Information</b>				
<b>Site Information</b>				
Construction Site Name:				
Construction stage and completed activities:			Approximate area of site that is exposed:	
Photos Taken: (Circle one)	Yes	No	Photo Reference IDs:	
<b>Weather</b>				
Estimate storm beginning: (date and time)		Estimate storm duration: (hours)		
Estimate time since last storm: (days or hours)		Rain gauge reading and location: (in)		
Is a "Qualifying Event" predicted or did one occur (i.e., 0.5" rain with 48-hrs or greater between events)? (Y/N) If yes, summarize forecast:				
<b>Exemption Documentation (explanation required if inspection could not be conducted). Visual inspections are not required outside of business hours or during dangerous weather conditions such as flooding or electrical storms.</b>				
<b>Inspector Information</b>				
Inspector Name:			Inspector Title:	
Signature:			Date:	

**Part II. BMP Observations. Describe deficiencies in Part III.**

Minimum BMPs for Risk Level <u>  1  </u> Sites	Failures or other short comings (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
<b>Good Housekeeping for Construction Materials</b>			
Inventory of products (excluding materials designed to be outdoors)			
Stockpiled construction materials not actively in use are covered and bermed			
All chemicals are stored in watertight containers with appropriate secondary containment, or in a completely enclosed storage shed			
Construction materials are minimally exposed to precipitation			
BMPs preventing the off-site tracking of materials are implemented and properly effective			
<b>Good Housekeeping for Waste Management</b>			
Wash/rinse water and materials are prevented from being disposed into the storm drain system			
Portable toilets are contained to prevent discharges of waste			
Sanitation facilities are clean and with no apparent for leaks and spills			
Equipment is in place to cover waste disposal containers at the end of business day and during rain events			
Discharges from waste disposal containers are prevented from discharging to the storm drain system / receiving water			
Stockpiled waste material is securely protected from wind and rain if not actively in use			
Procedures are in place for addressing hazardous and non-hazardous spills			
Appropriate spill response personnel are assigned and trained			
Equipment and materials for cleanup of spills is available onsite			
Washout areas (e.g., concrete) are contained appropriately to prevent discharge or infiltration into the underlying soil			
<b>Good Housekeeping for Vehicle Storage and Maintenance</b>			
Measures are in place to prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters			
All equipment or vehicles are fueled, maintained, and stored in a designated area with appropriate BMPs			

Vehicle and equipment leaks are cleaned immediately and disposed of properly			
--	--	--	--

<b>Part II. BMP Observations Continued. Describe deficiencies in Part III.</b>			
<b>Minimum BMPs for Risk Level __1__ Sites</b>	<b>Adequately designed, implemented and effective (yes, no, N/A)</b>	<b>Action Required (yes/no)</b>	<b>Action Implemented (Date)</b>
<b>Good Housekeeping for Landscape Materials</b>			
Stockpiled landscape materials such as mulches and topsoil are contained and covered when not actively in use			
Erodible landscape material has not been applied 2 days before a forecasted rain event or during an event			
Erodible landscape materials are applied at quantities and rates in accordance with manufacturer recommendations			
Bagged erodible landscape materials are stored on pallets and covered			
<b>Good Housekeeping for Air Deposition of Site Materials</b>			
Good housekeeping measures are implemented onsite to control the air deposition of site materials and from site operations			
<b>Non-Stormwater Management</b>			
Non-Stormwater discharges are properly controlled			
Vehicles are washed in a manner to prevent non-stormwater discharges to surface waters or drainage systems			
Streets are cleaned in a manner to prevent unauthorized non-stormwater discharges to surface waters or drainage systems.			
<b>Erosion Controls</b>			
Wind erosion controls are effectively implemented			
Effective soil cover is provided for disturbed areas inactive (i.e., not scheduled to be disturbed for 14 days) as well as finished slopes, open space, utility backfill, and completed lots			
The use of plastic materials is limited in cases when a more sustainable, environmentally friendly alternative exists.			
<b>Sediment Controls</b>			
Perimeter controls are established and effective at controlling erosion and sediment discharges from the site			
Entrances and exits are stabilized to control erosion and sediment discharges from the site			

Sediment basins are properly maintained			
<b>Run-On and Run-Off Controls</b>			
Run-on to the site is effectively managed and directed away from all disturbed areas.			
<b>Other</b>			
Are the project SWPPP and BMP plan up to date, available on-site and being properly implemented?			

<b>Part III. Descriptions of BMP Deficiencies</b>		
Deficiency	Repairs Implemented: Note - Repairs must begin within 72 hours of identification and, complete repairs as soon as possible.	
	Start Date	Action
1.		
2.		
3.		
4.		

<b>Part IV. Additional Pre-Storm Observations. Note the presence or absence of floating and suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s).</b>	
	Yes, No, N/A
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III.	
Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and describe below.	
Notes:	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and describe below.	
Notes:	

--	--

**Part V. Additional During Storm Observations. If BMPs cannot be inspected during inclement weather, list the results of visual inspections at all relevant outfalls, discharge points, and downstream locations. Note odors or visible sheen on the surface of discharges. Complete Part VII (Corrective Actions) as needed.**

Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description

**Part VI. Additional Post-Storm Observations.** Visually observe (inspect) stormwater discharges at all discharge locations within two business days (48 hours) after each qualifying rain event, and observe (inspect) the discharge of stored or contained stormwater that is derived from and discharged subsequent to a qualifying rain event producing precipitation of ½ inch or more at the time of discharge. Complete Part VII (Corrective Actions) as needed.

Discharge Location, Storage or Containment Area	Visual Observation

**Part VII. Additional Corrective Actions Required.** Identify additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.

Required Actions	Implementation Date

•

**EXHIBIT E**

**NOTICE OF INTENT SUBMITTED TO TEXAS COMMISSION ON  
ENVIRONMENTAL QUALITY**

*See Attached*



## Notice of Intent (NOI) for Stormwater Discharges Associated with Construction Activity under TPDES General Permit (TXR150000)

### IMPORTANT:

- Use the INSTRUCTIONS to fill out each question in this form.
- Use the CHECKLIST to make certain all you filled out all required information. Incomplete applications **WILL** delay approval or result in automatic denial.
- Once processed your permit can be viewed at:  
[http://www2.tceq.texas.gov/wq\\_dpa/index.cfm](http://www2.tceq.texas.gov/wq_dpa/index.cfm)

**ePERMITS:** Sign up now for online NOI: <https://www3.tceq.texas.gov/steers/index.cfm>  
Pay a \$225 reduced application fee by using ePermits.

### APPLICATION FEE:

- You must pay the **\$325** Application Fee to TCEQ for the paper application to be complete.
- Payment and NOI must be mailed to separate addresses.
- Did you know you can pay on line?
  - Go to <https://www3.tceq.texas.gov/epay/index.cfm>
  - Select Fee Type: GENERAL PERMIT CONSTRUCTION STORM WATER DISCHARGE NOI APPLICATION
- **Provide your payment information below, for verification of payment:**
  - Mailed      Check/Money Order No.: \_\_\_\_\_  
Name Printed on Check: \_\_\_\_\_
  - EPAY      Voucher No.: \_\_\_\_\_
  - Is the Payment Voucher copy attached?       Yes

**RENEWAL: Is this NOI a Renewal of an existing General Permit Authorization?**  
(Note: A permit cannot be renewed after June 3, 2013.)

- Yes      The Permit number is: TXR15 \_\_\_\_\_  
(If a permit number is not provided, a new number will be assigned.)
- No

### **i) OPERATOR (Applicant)**

a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? You may search for your CN at:  
<http://www12.tceq.texas.gov/erpub/index.cfm?fuseaction=cust.CustSearch>

CN \_\_\_\_\_

b) What is the Legal Name of the entity (applicant) applying for this permit?  
Hidalgo Wind Farm LLC  
(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.)

c) What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in TAC 305.44(a).  
Prefix (Mr. Ms. Miss): Mr.  
First/Last Name: Kristopher Cheney Suffix: \_\_\_\_\_  
Title: Director of Project Management Credential: \_\_\_\_\_

d) What is the Operator Contact's (Responsible Authority) contact information and mailing address as recognized by the US Postal Service (USPS)? You may verify the address at:  
http://zip4.usps.com/zip4/welcome.jsp  
Phone #: (713) 265-0350 ext: \_\_\_\_\_ Fax #: \_\_\_\_\_  
E-mail: kristopher.cheney@edpr.com  
Mailing Address: 808 Travis St., Suite 700  
Internal Routing (Mail Code, Etc.): \_\_\_\_\_  
City: Houston State: TX ZIP Code: 77002  
If outside USA: Territory: \_\_\_\_\_ Country Code: \_\_\_\_\_ Postal Code: \_\_\_\_\_

e) Indicate the type of Customer (The instructions will help determine your customer type):  
 Individual                       Limited Partnership                       Sole Proprietorship-DBA  
 Joint Venture                       General Partnership                       Corporation  
 Trust                       Estate                       Federal Government  
 State Government                       County Government                       City Government  
 Other Government

f) Independent Operator?                       Yes                       No  
(If governmental entity, subsidiary, or part of a larger corporation, check "No".)

g) Number of Employees:  
 0-20;                       21-100;                       101-250;                       251-500; or                       501 or higher

h) Customer Business Tax and Filing Numbers:  
(REQUIRED for Corporations and Limited Partnerships. Not Required for Individuals, Government, or Sole Proprietors)  
State Franchise Tax ID Number: 32042891542  
Federal Tax ID: 273573365  
Texas Secretary of State Charter (filing) Number: 801334738  
DUNS Number (if known): 79643841

**2) APPLICATION CONTACT**

If TCEQ needs additional information regarding this application, who should be contacted?  
Is the application contact the same as the applicant identified above?  
 Yes, go to Section 3).                       No, complete section below.

Prefix (Mr. Ms. Miss): Mr.  
First/Last Name: Bernard Smith Suffix: \_\_\_\_\_  
Title: Associate Credential: PE

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Organization Name: Westlake Consultants, Inc.  
Phone No.: (503) 684-0652 ext: \_\_\_\_\_ Fax Number: \_\_\_\_\_  
E-mail: bsmith@westlakeconsultants.com  
Mailing Address: 15115 SW Sequoia Parkway, Suite 150  
Internal Routing (Mail Code, Etc.): \_\_\_\_\_  
City: Tigard State: OR ZIP Code: 97224  
Mailing Information if outside USA:  
Territory: \_\_\_\_\_ Country Code: \_\_\_\_\_ Postal Code: \_\_\_\_\_

**3) REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE**

If the site of your business is part of a larger business site or if other businesses were located at this site before yours, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at:  
<http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch>.

If the site is found, provide the assigned Regulated Entity Reference Number and provide the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

- a) TCEQ issued RE Reference Number (RN): RN \_\_\_\_\_
- b) Name of project or site (the name known by the community where located):  
Hidalgo Wind Farm
- c) In your own words, briefly describe the primary business of the Regulated Entity: (Do not repeat the SIC and NAICS code):  
Renewable Energy Company that develops wind farms
- d) County (or counties if > 1) Hidalgo and Starr
- e) Latitude: 26°29'1.68"N Longitude: 98°23'27.65"W
- f) Does the site have a physical address?  
 Yes, complete Section A for a physical address.  
 No, complete Section B for site location information.

**Section A:** Enter the physical address for the site.

Verify the address with USPS. If the address is not recognized as a delivery address, provide the address as identified for overnight mail delivery, 911 emergency or other online map tools to confirm an address.

Physical Address of Project or Site:

Street Number: \_\_\_\_\_ Street Name: \_\_\_\_\_  
City: \_\_\_\_\_ State: Texas ZIP Code: \_\_\_\_\_

**Section B:** Enter the site location information.

If no physical address (Street Number & Street Name), provide a written location access description to the site. (Ex.: located 2 miles west from intersection of Hwy 290 & IH35 accessible on Hwy 290 South)

Located in McCook, TX (FM 681 @ FM 490) covering approximately 75 square miles.

City where the site is located or, if not in a city, what is the nearest city:  
McCook

State: Texas ZIP Code where the site is located: 78541

**4) GENERAL CHARACTERISTICS**

- a) Is the project/site located on Indian Country Lands?  
 Yes - If the answer is Yes, you must obtain authorization through EPA, Region 6.  
 No
  
- b) Is your construction activity associated with a facility that, when completed, would be associated with the exploration, development, or production of oil or gas or geothermal resources?  
 Yes - If the answer is Yes, you may be under jurisdiction of the Railroad Commission of Texas and may need to obtain authorization through EPA, Region 6.  
 No
  
- c) What is the Primary Standard Industrial Classification (SIC) Code that best describes the construction activity being conducted at the site?  
Primary SIC Code: 4931
  
- d) If applicable, what is the Secondary SIC Code(s): \_\_\_\_\_
  
- e) What is the total number of acres disturbed? 250
  
- f) Is the project site part of a larger common plan of development or sale?  
 Yes - If the answer is Yes, the total number of acres disturbed can be less than 5 acres.  
 No - If the answer is No, the total number of acres disturbed must be 5 or more. If the total number of acres disturbed is less than 5 then the project site does not qualify for coverage through this Notice of Intent. Coverage will be denied. See the requirements in the general permit for small construction sites.
  
- g) What is the name of the first water body(s) to receive the stormwater runoff or potential runoff from the site?  
Rio Grande River
  
- h) What is the segment number(s) of the classified water body(s) that the discharge will eventually reach?  
Rio Grande Basin 22 & 23

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- i) Is the discharge into an MS4?  
 Yes - If the answer is Yes, provide the name of the MS4 operator below.  
 No

If Yes, provide the name of the MS4 operator:

---

Note: The general permit requires you to send a copy of the NOI to the MS4 operator.

- j) Are any of the surface water bodies receiving discharges from the construction site on the latest EPA-approved CWA 303(d) List of impaired waters?  
 Yes - If the answer is Yes, provide the name(s) of the impaired water body(s) below.  
 No

If Yes, provide the name(s) of the impaired water body(s):

- 
- k) Is the discharge or potential discharge within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer as defined in 30 TAC Chapter 213?  
 Yes - If the answer is Yes, complete certification below by checking "Yes."  
 No

I certify that a copy of the TCEQ approved Plan required by the Edwards Aquifer Rule (30 TAC Chapter 213) is either included or referenced in the Stormwater Pollution Prevention Plan.

Yes

**5) CERTIFICATION**

Check Yes to the certifications below. Failure to indicate Yes to *ALL* items may result in denial of coverage under the general permit.


- a) I certify that I have obtained a copy and understand the terms and conditions of the Construction General Permit (TXR150000).  Yes
- b) I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.  Yes
- c) I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed.  Yes
- d) I certify that a Stormwater Pollution Prevention Plan has been developed, will be implemented prior to construction and to the best of my knowledge and belief is compliant with any applicable local sediment and erosion control plans, as required in the general permit TXR150000. Note: For multiple operators who prepare a shared SWP3, the confirmation of an operator may be limited to its obligations under the SWP3 provided all obligations are confirmed by at least one operator.  Yes

**Operator Certification:**

I, Kristopher Cheney Director of Project Management  
Typed or printed name Title

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

I further certify that I am authorized under 30 Texas Administrative Code 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature:  Date: 1/27/16  
(Use blue ink)

150

**EXHIBIT F**

**TRAFFIC CONTROL PLAN**

*See Attached*



## Section 5.1 - Traffic Control Plan

### Hidalgo Wind Farm Project

16141002

This Traffic Control Plan is designed to permit Mortenson and its trade partners to work in the public right of way efficiently, effectively and in a safe manner to maintain a uniform flow of traffic.

Hazard Mitigation will be as follows:

- All vehicle occupants must wear seatbelts while vehicle/equipment is in motion.
- Where one way traffic must be maintained, communication of these locales at POD and Stretch and Bend verbally and visually will take place
- Instances of crew overlap (close proximity) where traffic congestion is a possibility will be identified daily at POD and Stretch and Bend
- Visual demonstration at stretch and bend with large site map to communicate alternate one way traffic routes.
- Escort turbine trucks to site with identified vehicle i.e. flagging and amber beacon lights.
- Use of radios to communicate efficiently. Channel 2 will be on our repeater
- The maximum speed on roads: Paved Roads - 55mph unless otherwise posted, Gravel Roads - 35mph, Access Roads - 15mph
- All traffic control signs will be obeyed by all drivers, violators will be removed from the project.
- Overhead power line signage installed to identify power lines, placed no less than 30' from the power line on the **left** side of the road.
- Traffic control signs must be removed from view when not in use.
- Cell phone use strictly prohibited while operating a vehicle or piece of equipment, violators will be removed from project.
- Head lights must be on while vehicle is in motion.
- Hazard lights must be turned on while a vehicle is parked on or near a roadway.
- Secure all loads prior to leaving the work site/yard.
- All vehicles on site must be in good mechanical condition. Daily maintenance and inspection shall be performed on all vehicles.
- All drivers must be trained and licensed in accordance with state and federal regulations.
- All Mortenson team members must complete Top Driver training course prior to driving Mortenson vehicles.
- All vehicles must yield to local drivers and larger pieces of equipment in a safe location, these locations will be communicated to project team members during 1st Hour Orientation.
- Unloaded trucks must yield to loaded trucks in a safe location.
- All forklift operators to travel in two wheel front steer while traveling down roadways. No Circle/Crab steer will be permitted.

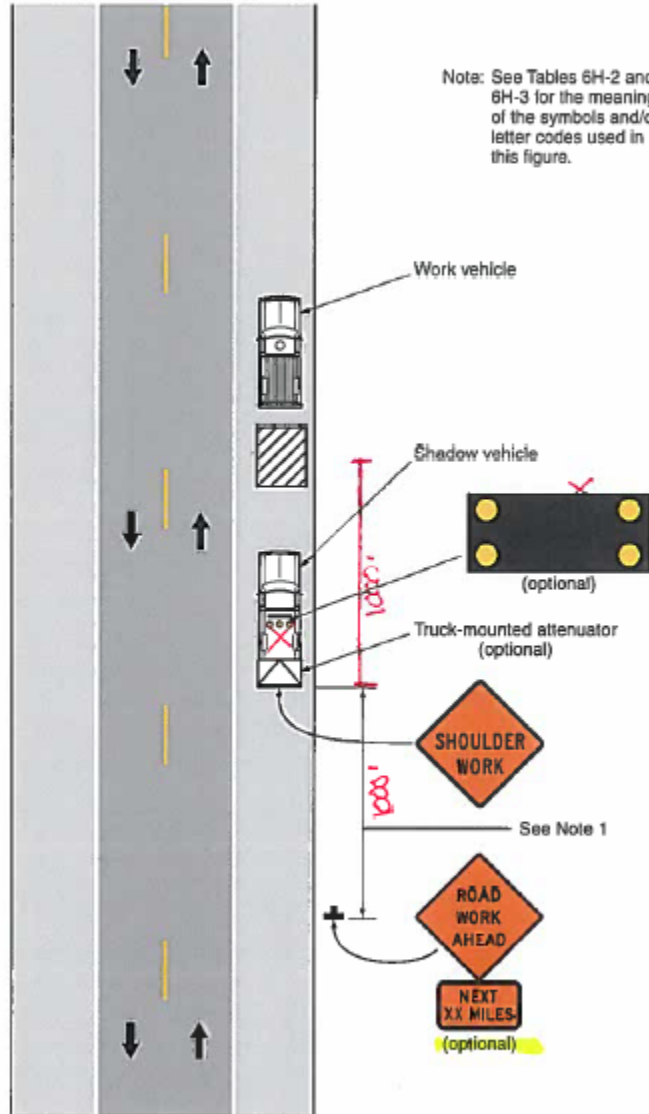


- All blind intersections will be treated as a 4-way stop (stop signs placed). Blind intersections are marked with proper signage. All other intersections will be treated as a yielding situation.
- Blind hills or curves will be marked with "Keep Right" signs.
- Education on overcorrecting as a result of driving on a soft shoulder and the wheels of the vehicle entering the ditch.
- Daily discussions on wildlife in the roadways, driving conditions, dust, soft shoulders, and visibility are communicated to the craft during Stretch and Bend.
- Proper training to operators and escort vehicles on crane walking procedures.
- All flaggers are certified and have had proper training of traffic routes.

High risk issues within the Hidalgo project boundary.

Hazard	Control Measure
Steep grades (Hills)	<ul style="list-style-type: none"> <li>- Keep Right signs will be placed at applicable locations where oncoming traffic is hidden by hills.</li> <li>- Steep hills will be pointed out to all project team members during 1st hour orientation on large site map</li> </ul>
Low / Soft Shoulders	<ul style="list-style-type: none"> <li>- Indicate with signage deep ditches (painted T-Posts)</li> </ul>
Narrow Roadways	<ul style="list-style-type: none"> <li>- Narrow roadways which will be used during construction activities for that day will be communicated at POD and Stretch and Bend verbally and visually</li> </ul>
Public Traffic	<ul style="list-style-type: none"> <li>- Temporary road signage (construction traffic, trucks entering highway, etc.) will be placed in accordance with county laws and regulations.</li> <li>- Communication public traffic hazards during 1st Hour Orientation and daily Stretch and Bend</li> </ul>
Equipment Travel Under Power Lines	<ul style="list-style-type: none"> <li>- Heavy equipment will be escorted (front and back) under power lines with dedicated spotter</li> </ul>
Stuck Vehicles	<ul style="list-style-type: none"> <li>- Pre-Task Plan Card / Meeting will be performed for new activity with all personnel</li> <li>- Proper equipment will be used for pulling (NO RIGGING)</li> </ul>

Figure 6H-4. Short-Duration or Mobile Operation on a Shoulder (TA-4)



Typical Application 4



Notes for Figure 6H-3—Typical Application 3  
**Work on the Shoulders**

Guidance:

- ~~X~~ A SHOULDER WORK sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.

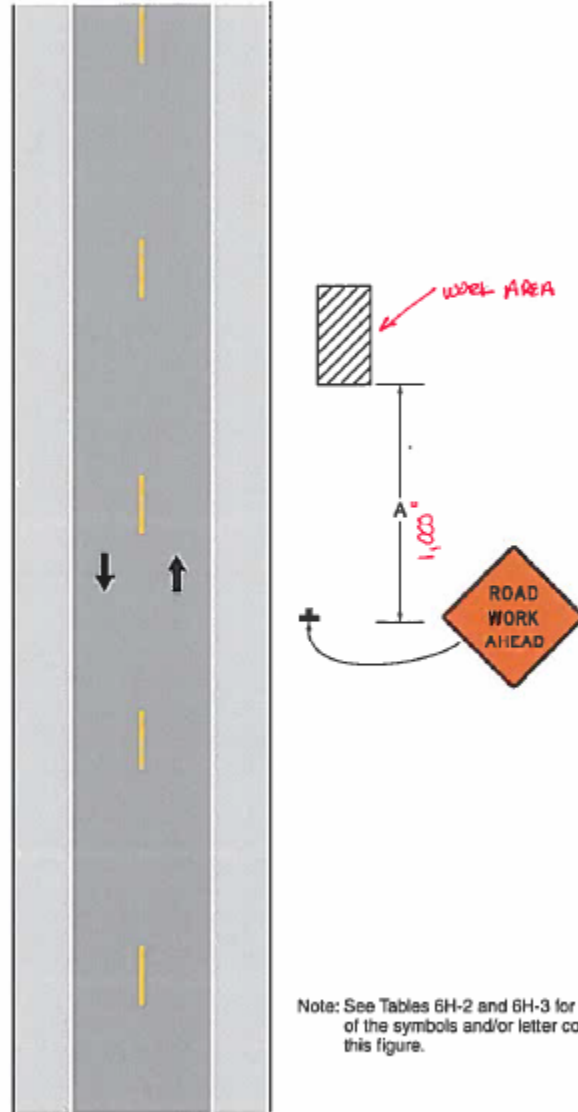
Option:

2. The Workers symbol signs may be used instead of SHOULDER WORK signs.
3. The SHOULDER WORK AHEAD sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.
7. When paved shoulders having a width of 8 feet or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



**Notes for Figure 6H-1—Typical Application 1**  
**Work Beyond the Shoulder**

**Guidance:**

~~X~~ *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

**Option:**

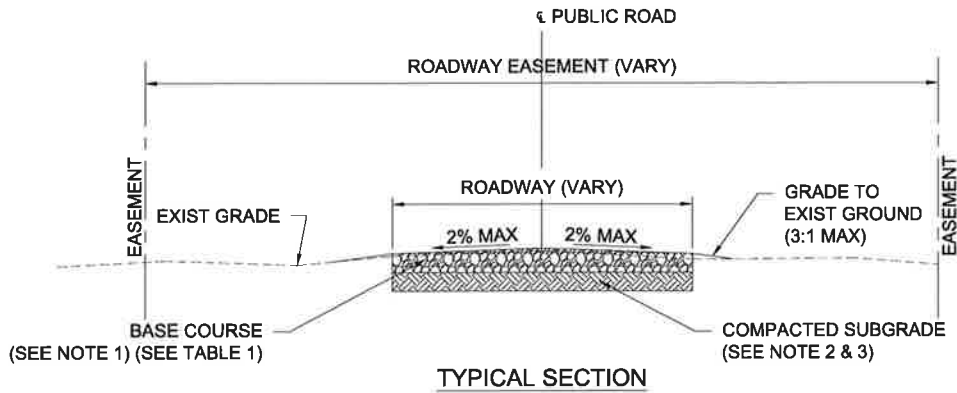
2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

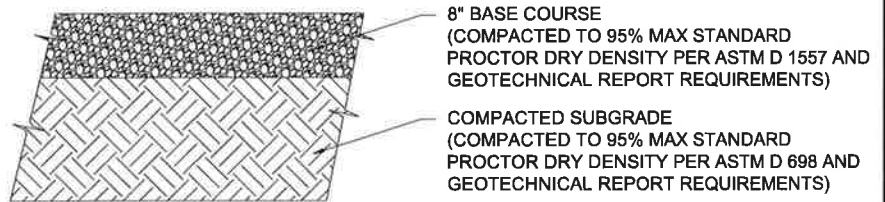
**EXHIBIT G**  
**SPECIFICATIONS**

*See Attached*



**TABLE 1**

PUBLIC ROAD NAME	BASE COURSE DEPTH (IN)
MILE 16 ROAD	8"
WARE ROAD	8"



**PAVEMENT SECTION DETAIL**

**NOTES:**

1. THICKNESS OF ROADWAY BASE COURSE VARY BASED ON GEOTECHNICAL INVESTIGATION OF EXISTING ROAD. THICKNESS IS BASED ON GEOTECHNICAL ENGINEER'S RECOMMENDATION BASED ON TRAFFIC PATTERNS AND ANTICIPATED LOADING CONDITIONS.

REF: GEOTECHNICAL ENGINEERING REPORT No. 88135029R2, DATED 01/22/2016.

2. COMPACTED TO 95% MAX STANDARD PROCTOR DRY DENSITY PER ASTM D 698 AND GEOTECHNICAL REPORT REQUIREMENTS.

**3. OPTIONAL SUBGRADE IMPROVEMENT METHODS:**

THE SUBGRADE IMPROVEMENT METHODS ARE OPTIONAL DEPENDING ON SITE CONDITION. ONE OF THE SUBGRADE IMPROVEMENT METHODS MAY BE UTILIZED IF REQUIRED BUT IF ADEQUATE COMPACTION OF EXISTING SUBGRADE MATERIAL IS ACHIEVED, NO SUBGRADE IMPROVEMENTS WOULD BE PERFORMED.

OPTION 1:  
MECHANICAL STABILIZATION: AN APPROVED GEOGRID PLACED UNDERNEATH THE BASE COURSE PER COUNTY SPECIFICATION

OPTION 2:  
CHEMICAL STABILIZATION: MODIFY SUBBASE COURSE THICKNESS AS FOLLOWS:  
20 < P.I. ≤ 40 3% LIME BY WEIGHT COMPACTED TO 95% STANDARD PROCTOR ≥ OPTIMUM MOISTURE  
P.I. > 40 6% LIME BY WEIGHT COMPACTED TO 95% STANDARD PROCTOR ≥ OPTIMUM MOISTURE

OPTION 3:  
OVER EXCAVATION & REPLACEMENT:  
A MINIMUM OF 18" OF SELECT FILL WITH A P.I. < 20 COMPACTED TO 95% STANDARD PROCTOR ≥ OPTIMUM MOISTURE



**PUBLIC ROAD CROSS SECTION DETAIL**

NOT TO SCALE



edp renewables

CIVIL DETAILS

VERSION:	00
DRAWN BY:	JCK
DATE:	JAN 2016

EXHIBIT

1

## **EXHIBIT H**

### **ROAD AND DRAIN UPGRADE AND RESTORATION SCHEDULE**

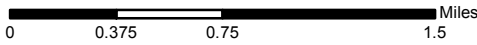
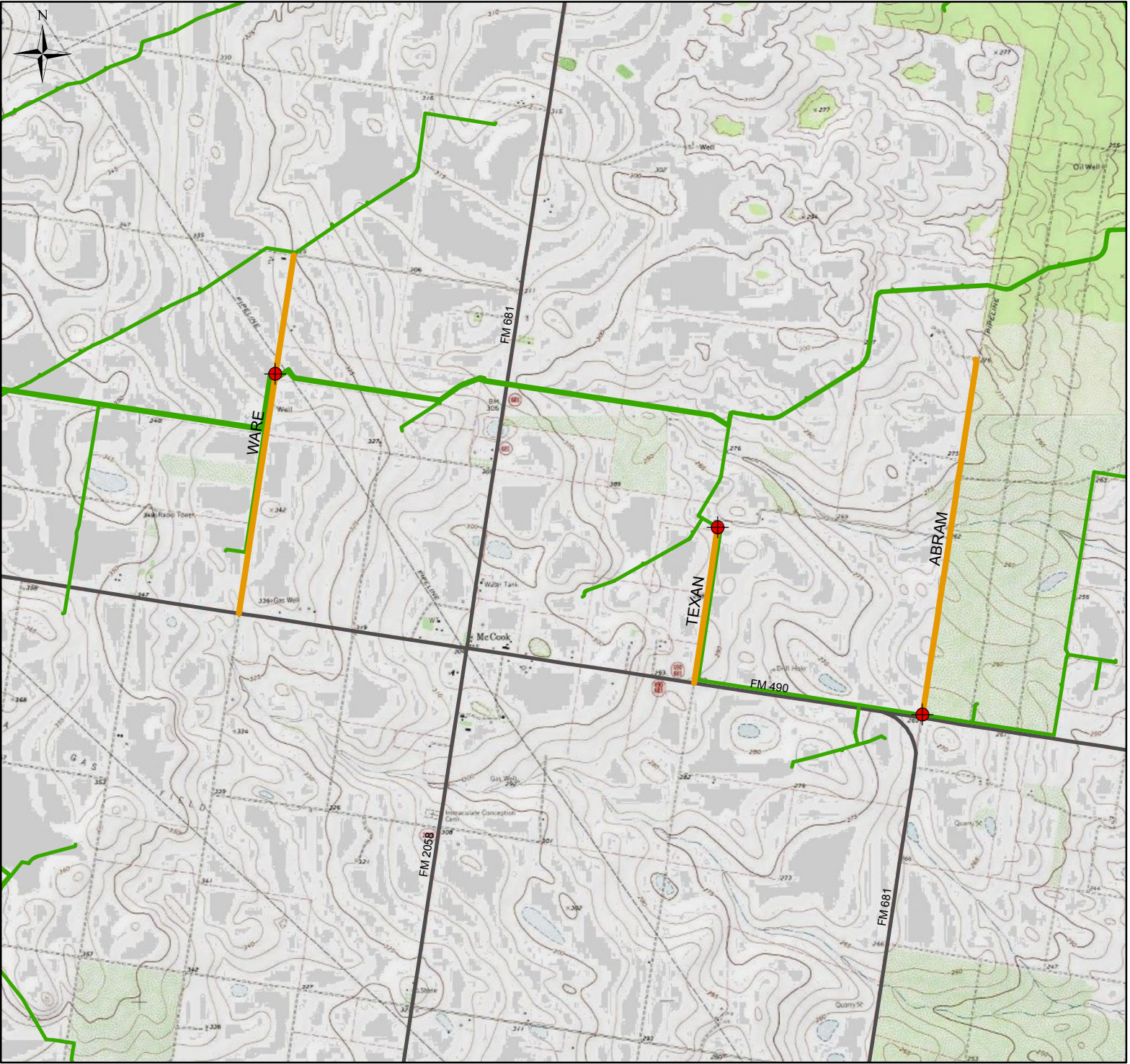
- Start date of the construction of the Project Facilities: February 4, 2016.
- Completion of construction of the Project Facilities: October 15, 2016.
- Start date of any repairs: No later than November 14, 2016.
- Completion date of repairs: No later than January 13, 2017.

**EXHIBIT I-1**




**ROAD CROSSINGS**

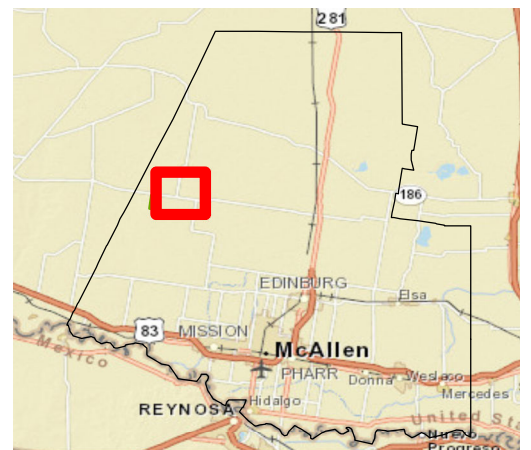
*See Attached*

# Exhibit I-1: Road Crossings



Author: SFK  
 Date / Time: 27 January 2016 / 11:41 AM  
 Version: n/a  
 Datum: North American 1983  
 Projection: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
 Scale: 1:42,959  
 Sources: EDPR, ESRI

-  Collection Crossings
-  Underground Collection
-  Hidalgo Opened County Roads

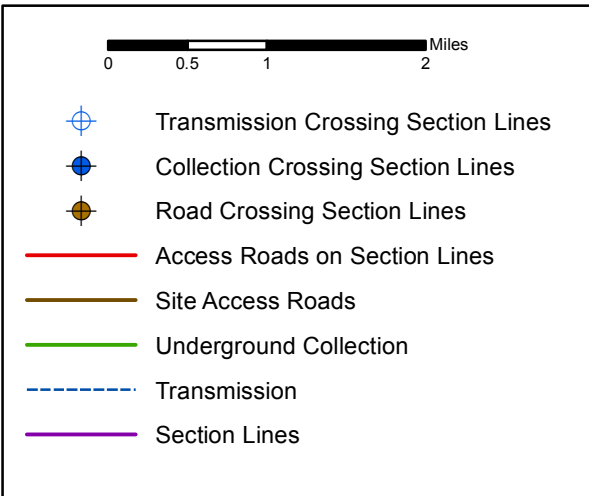
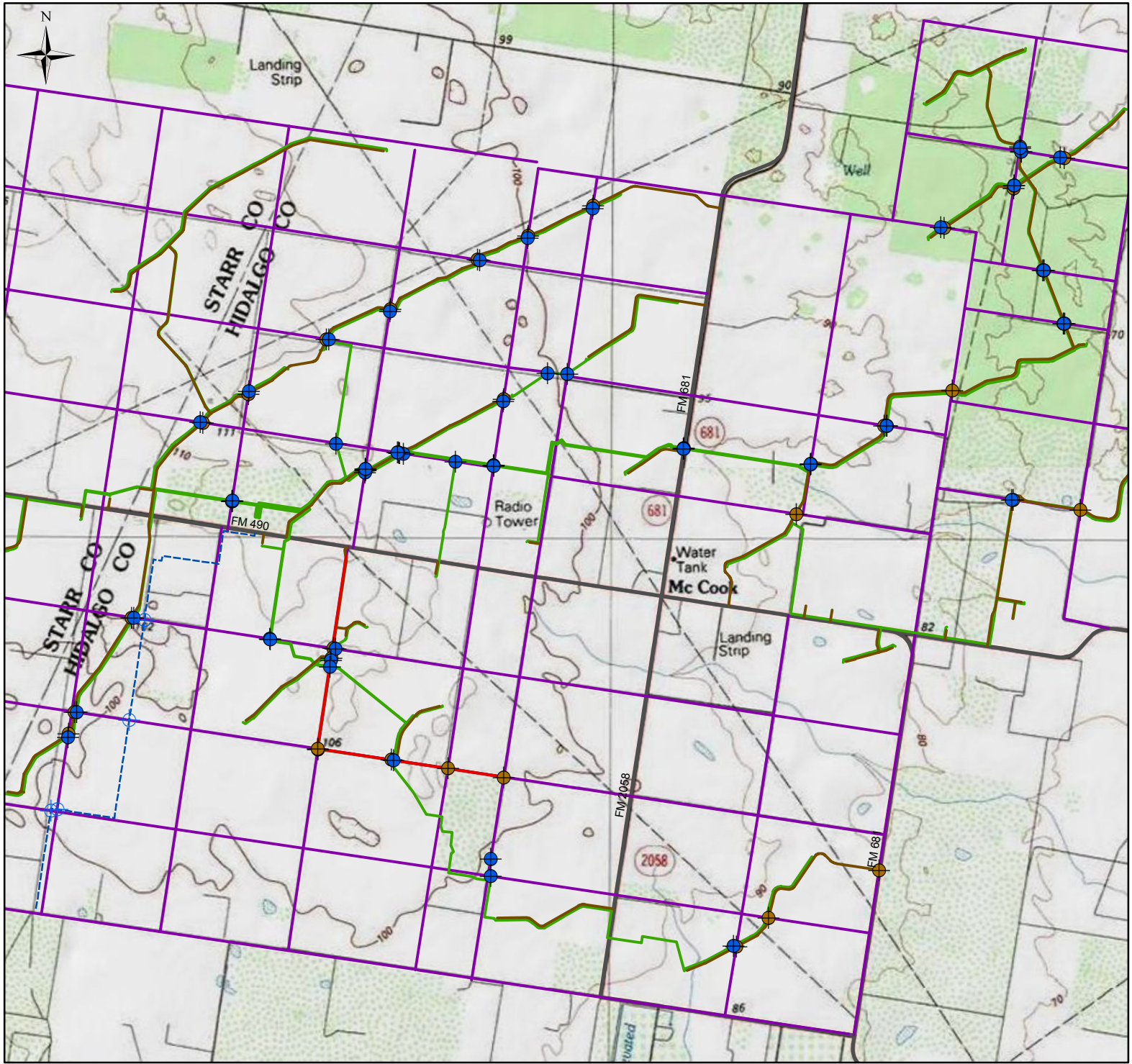


**EXHIBIT I-2**

**OTHER CROSSINGS**

*See Attached*

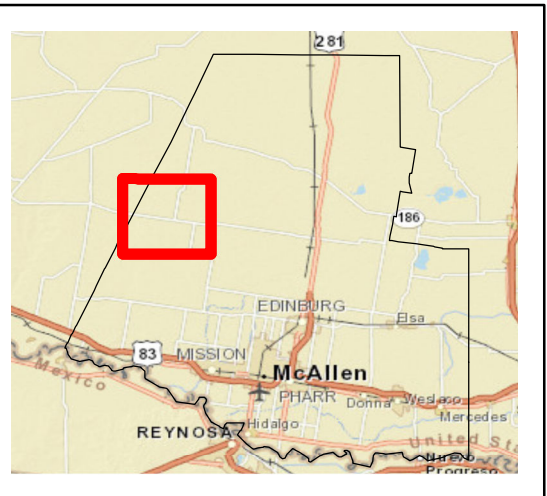
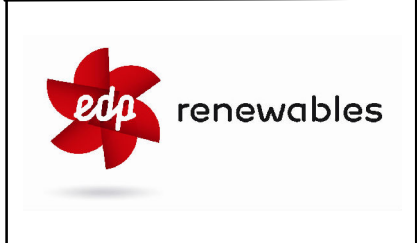
# Exhibit I-2: Wind Farm Easements Crossing Section Lines



Author: SFK  
 Date / Time: 27 January 2016 / 12:01 PM  
 Version: n/a

Datum: North American 1983  
 Projection: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
 Scale: 1:76,600

Sources: EDP, ESRI

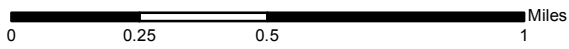
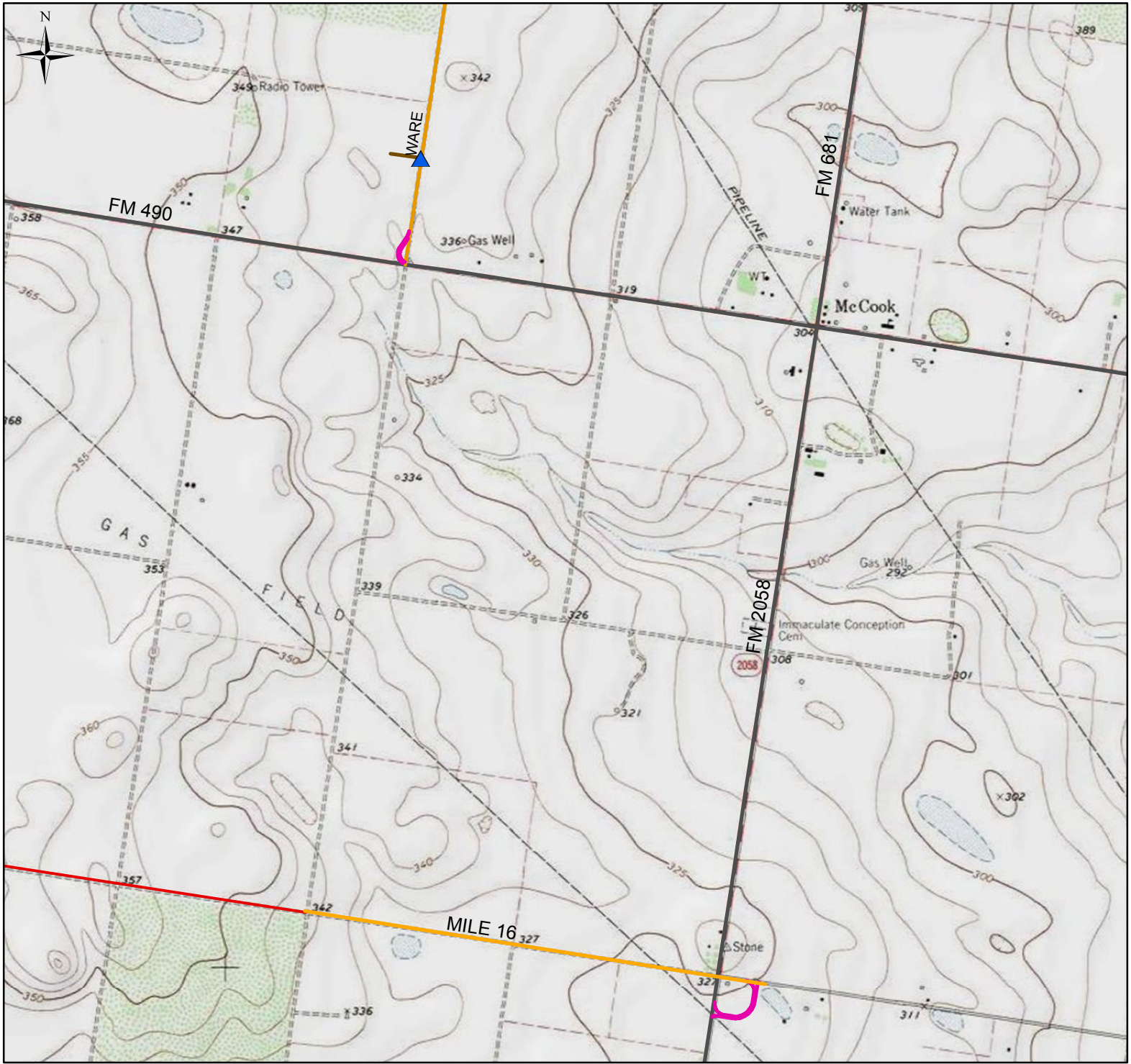


**EXHIBIT J**

**ROADS, DRIVEWAYS AND ROAD ENTRANCES**

*See Attached*

# Exhibit J - Roads, Driveways, & Road Entrances



Author: SFK  
 Date / Time: 27 January 2016 / 12:09 PM  
 Version: n/a  
 Datum: North American 1983  
 Projection: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
 Scale: 1:23,729  
 Sources: EDP, ESRI

-  Site Access Road Entrances
-  Hidalgo Turning Improvements
-  Opened County Roads
-  Access Roads on Section Lines
-  Site Access Roads

