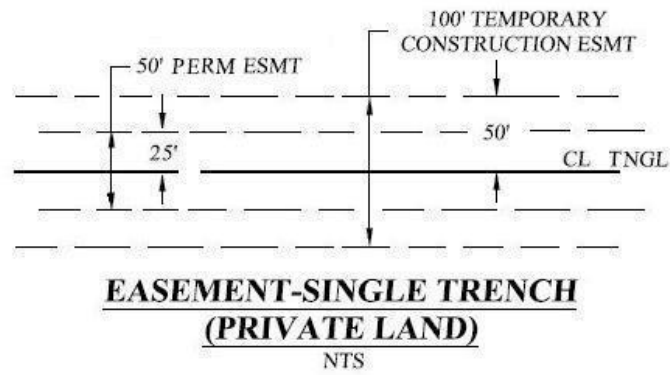


# **Appendix A**

---

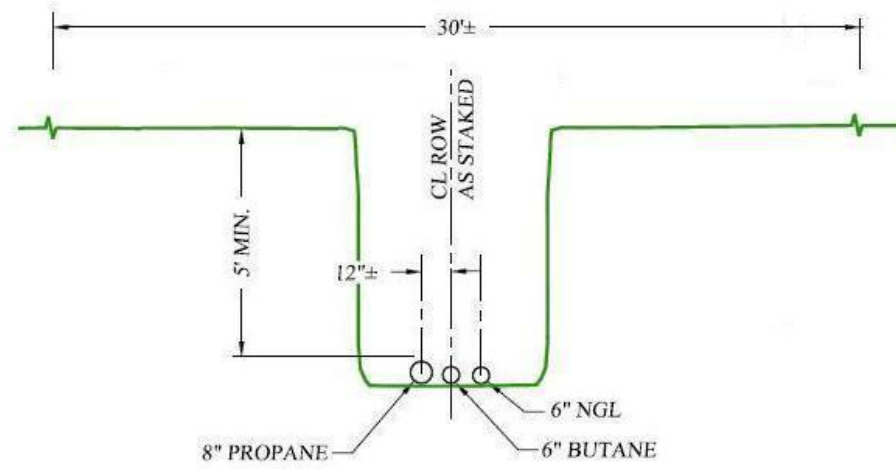
## Engineering Documents

**TIOGA GAS PLANT TO TIOGA RAIL TERMINAL  
TYPICAL ROW**



**STAKING NOTES:**

1. TEMPORARY CONSTRUCTION EASEMENT (DISTURBANCE EDGE AS STAKED IN FIELD) MAY VARY IN WIDTH AND LOCATION DEPENDING ON LANDOWNER REQUEST AND EXISTING UTILITY/PIPELINE LOCATION.
2. ALL ANGLES AND DIMENSIONS ON THESE PLANS ARE APPROXIMATE AND MAY VARY FROM ACTUAL FIELD LOCATIONS



**TRENCH SECTION D-D**  
RAIL FACILITY TO TGP

Rev.	Date	Description	Drawn	Survey Mgr.	Proj. Mgr.	Hess Landman	Proj. Mgr.
0							

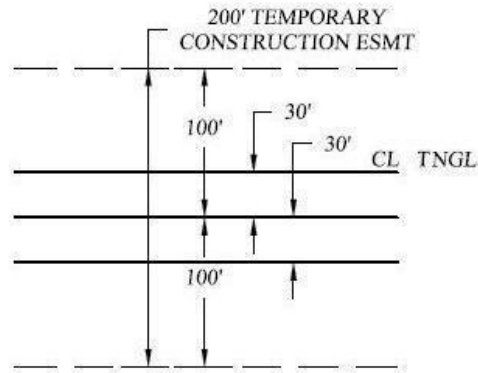


**HESS CORPORATION**  
3015 16th St SW, Suite 20  
Minot, North Dakota 58701  
(701) 420-6900

**TIOGA GAS PLANT  
TO RAIL TERMINAL**

Client Contact:	Date:	Scale: As Shown	Project No.:	Task No.: Survey	Checked: WGPSN Survey Mgr.	Approval:	Sheet: 1 of	Rev.:
-----------------	-------	--------------------	--------------	---------------------	-------------------------------	-----------	----------------	-------

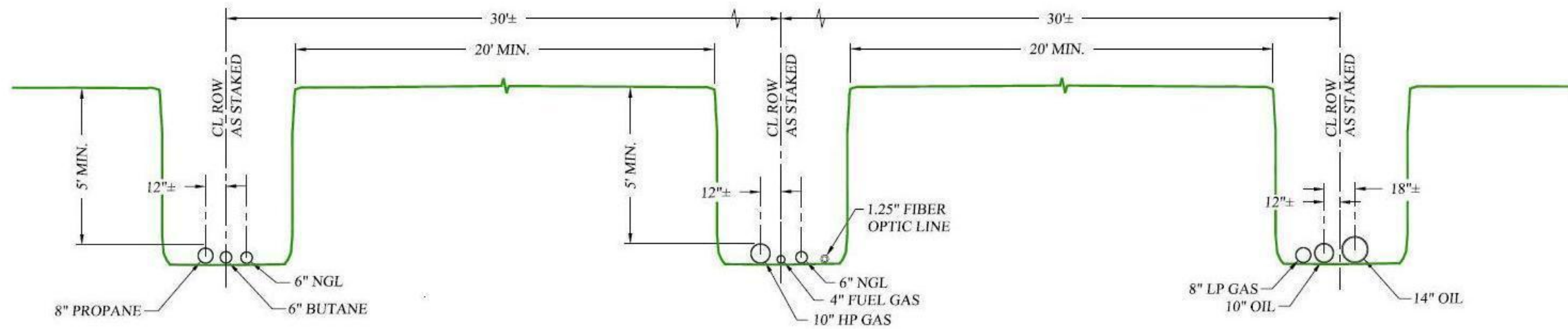
**TIOGA GAS PLANT TO TIOGA RAIL TERMINAL  
TYPICAL ROW**



**STAKING NOTES:**

1. TEMPORARY CONSTRUCTION EASEMENT (DISTURBANCE EDGE AS STAKED IN FIELD) MAY VARY IN WIDTH AND LOCATION DEPENDING ON LANDOWNER REQUEST AND EXISTING UTILITY/PIPELINE LOCATION.
2. ALL ANGLES AND DIMENSIONS ON THESE PLANS ARE APPROXIMATE AND MAY VARY FROM ACTUAL FIELD LOCATIONS

**EASEMENT-TRIPLE TRENCH  
(PRIVATE LAND)**  
NTS



**TRENCH SECTION D-D**  
RAIL FACILITY EAST TO TGP

Rev.	Date	Description	Drawn	Checked	Appr.	Appr.	Appr.
0							

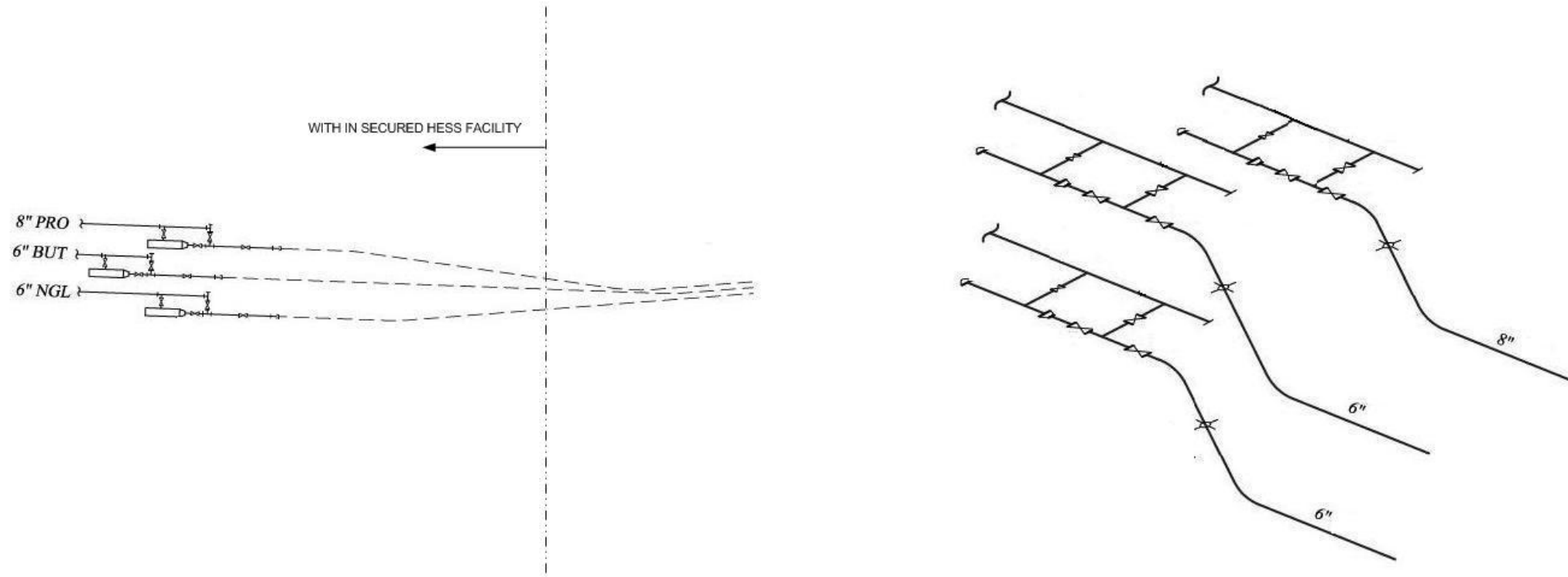


**HESS CORPORATION**  
3015 16th St SW, Suite 20  
Minot, North Dakota 58701  
(701) 420-6900


**TIOGA GAS PLANT  
TO RAIL TERMINAL**

Drawn:	WGPN Survey Mgr.	Checked:	Approval:
Client Contact:	Date:	Scale:	Project No.:
		As Shown	Task No.: Survey
			Sheet: 1 of Rev.:

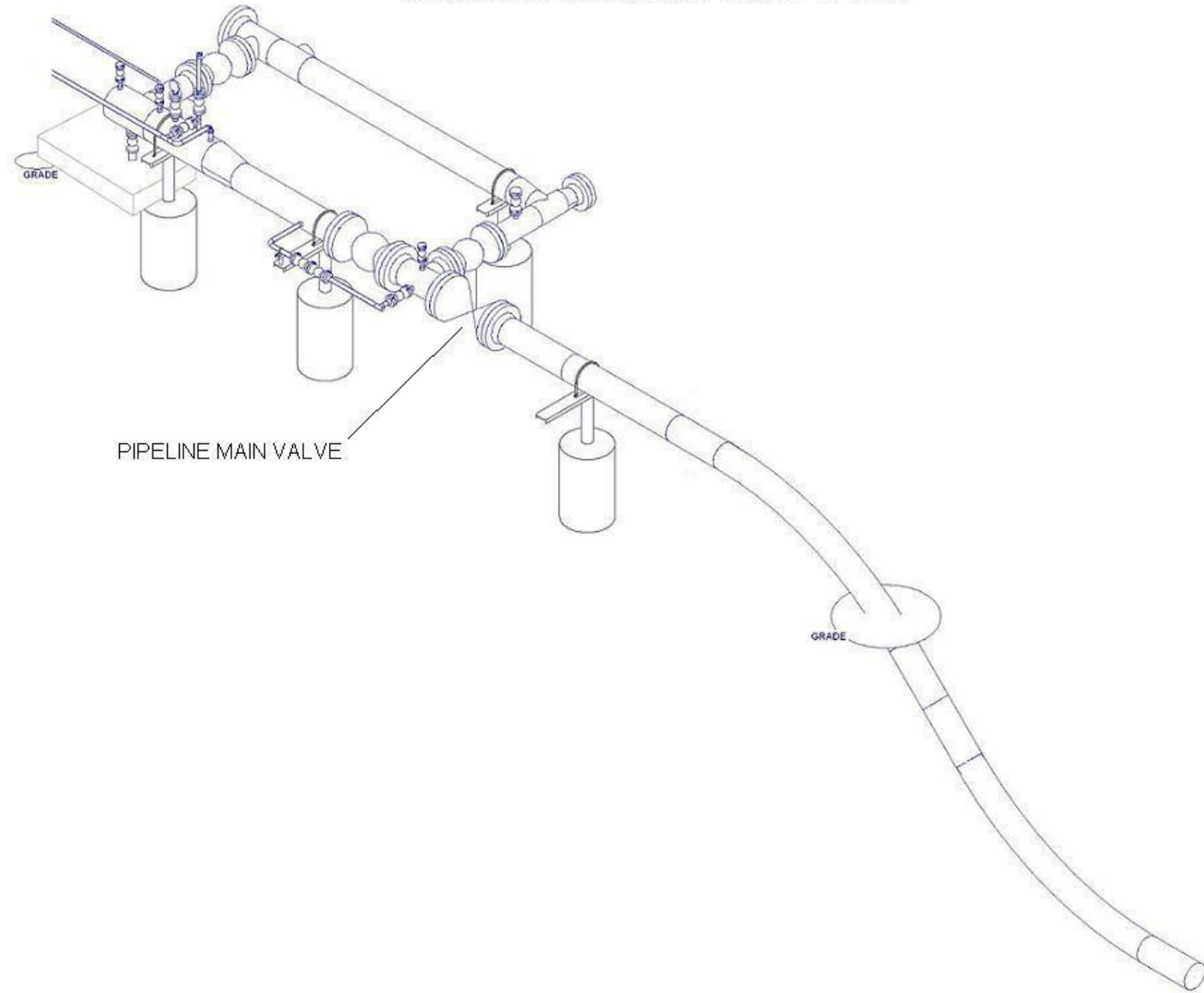
TIOGA GAS PLANT TO TIOGA RAIL TERMINAL  
LAUNCHER / RECEIVER TYPICAL LAYOUT



Rev.	Date	Description	Drawn	Checked	Appr.	Proj. Mgr.	Hess Landman	Proj. Mgr.	Proj. Mgr.
0									

			HESS CORPORATION 3015 16th St SW, Suite 20 Minot, North Dakota 58701 (701) 420-6900		<b>TIOGA GAS PLANT TO RAIL TERMINAL</b>	
			Drawn:	WGPSN Survey Mgr.	Checked:	Approval:
Client Contact:	Date:	Scale:	Project No.:	Task No.:	Sheet:	Rev.:
		As Shown		Survey	1 of	

**TIOGA GAS PLANT TO TIOGA RAIL TERMINAL  
LAUNCHER / RECEIVER TYPICAL DESIGN**



Rev.	Date	Description	Drawn	Checked	Appr.	Proj. Mgr.	Survey Mgr.	Landman	Cost Mgr.
0									

--	--	--	--	--	--	--	--	--	--

Client Contact:	Date:	Scale:
		As Shown

Project No.:

Task No.:	Survey
-----------	--------

Sheet:	1 of	Rev.:	
--------	------	-------	--



**HESS CORPORATION**  
3015 16th St SW, Suite 20  
Minot, North Dakota 58701  
(701) 420-6900

**TIOGA GAS PLANT  
TO RAIL TERMINAL**

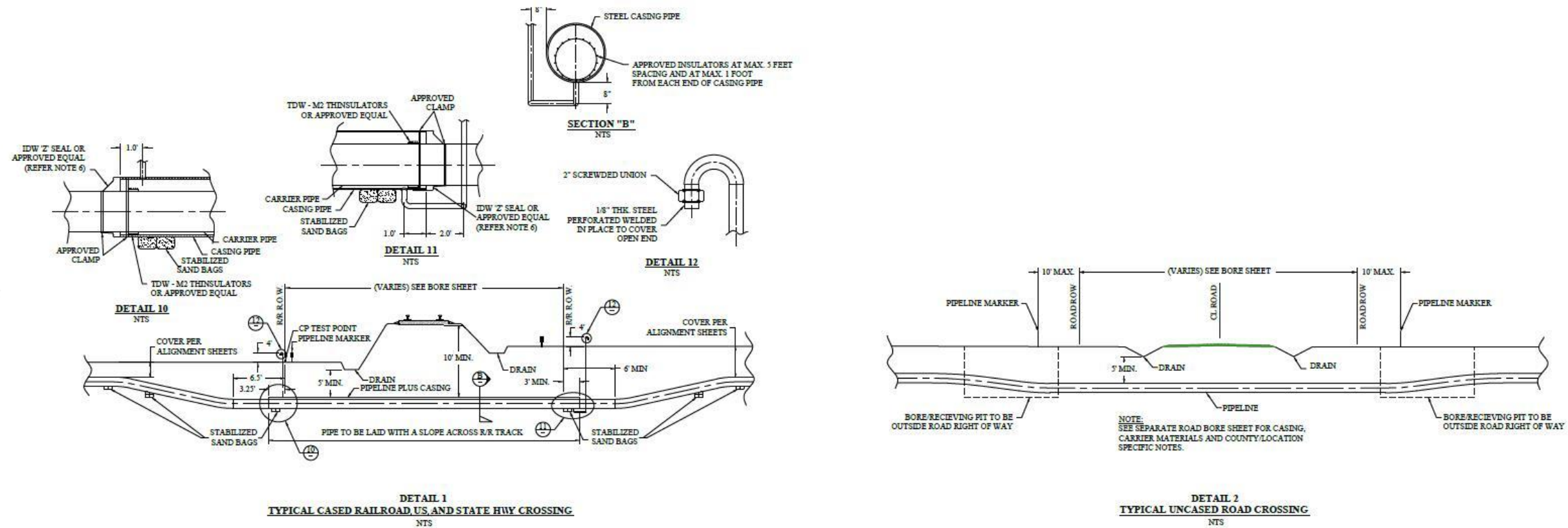
Drawn:

WGPSN Survey Mgr.

Checked:

Approval:

## TIOGA GAS PLANT TO TIOGA RAIL TERMINAL CROSSING TYPICAL LAYOUT



**ROAD/RAILROAD BORE NOTES:**

1. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN COPIES OF ALL NECESSARY PERMITS PRIOR TO THE WORK BEING PERFORMED.
2. CASING PIPE SHALL EXTEND 3 FEET MIN. BEYOND OF RIGHT-OF-WAY. (WHERE REQUIRED).
3. APPROVED RING SPACERS SHALL BE USED THROUGHOUT THE LENGTH OF THE CASING PIPE TO SUPPORT AND ELECTRICALLY ISOLATE THE CARRIER PIPE. (WHERE REQUIRED).
4. END SEAL TO BE INSTALLED MAKING PROVISION FOR PIPE END EXPANSION.
5. ALL CROSSING INSTALLATION WORKS TO BE IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS.
6. ALL RELEVANT AUTHORITIES MUST BE CONTACTED PRIOR TO CONSTRUCTION AND THE LOCATIONS AND DEPTH OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
7. TRAFFIC CONTROL PROCEDURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH AN APPROVED TRAFFIC MANAGEMENT PLAN AND REQUIREMENTS OF LOCAL ROAD AUTHORITY.
8. REINSTATEMENT OF SEALED ROAD TO BE IN ACCORDANCE WITH ROAD AUTHORITY REQUIREMENTS.

Rev.	Date	Description	Drawn	Checked	Appr.	Scale
0						



**HESS CORPORATION**  
3015 16th St SW, Suite 20  
Minot, North Dakota 58701  
(701) 420-6900

**TIOGA GAS PLANT  
TO RAIL TERMINAL**

Client Contact:	Date:	Scale: As Shown	Project No.:	Task No.:	Sheet:	Rev.:
				Survey	1 of	