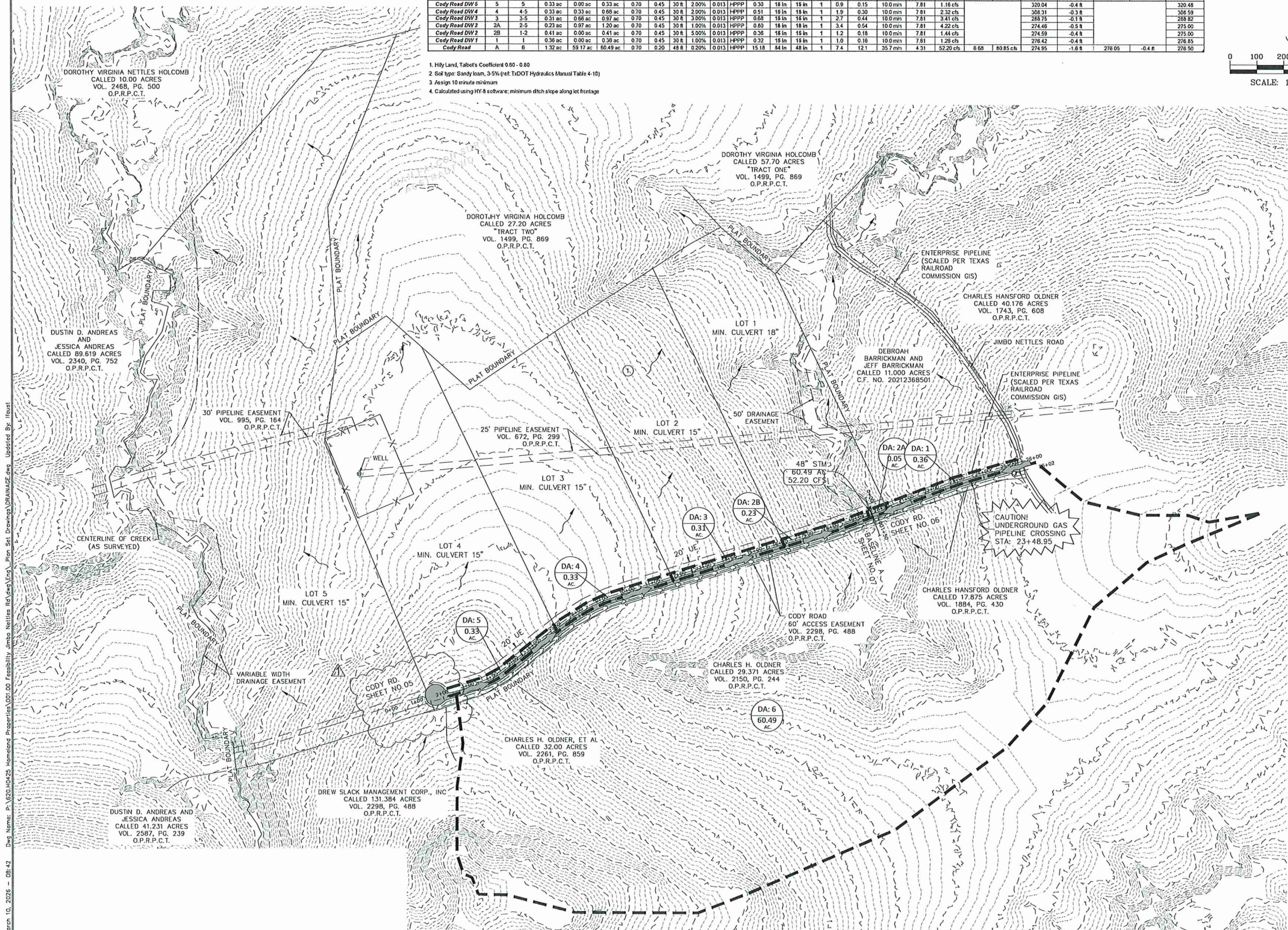
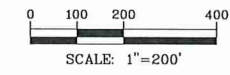


PROJECT INFORMATION	
Project Name	Cody Rd. Subdivision
Job Number	620 H0425 001 00
Designer	LF

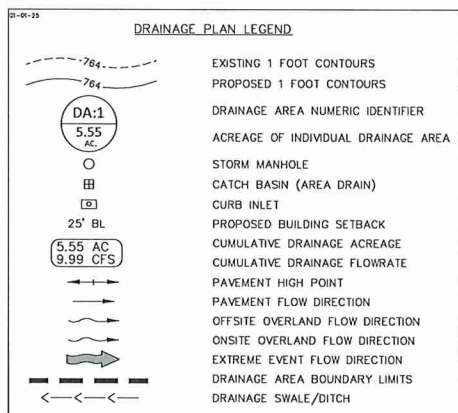


CULVERT LOCATION	CULVERT NAME	WATERSHED PROPERTIES					CULVERT PROPERTIES					PEAK FLOW PROPERTIES				HEADWATER ELEVATION ⁴											
		Drainage Area Flowing Through Culvert	Channel Watershed Area	Off-Channel Watershed Area	Total Watershed Area	Tabors Coefficient ¹	Manning's Roughness Coefficient	Design Length	Design Slope	Manning's n	Culvert Material	Culvert Area (Calculated - Tailset ²)	Tailset's Culvert Diameter	Provided Culvert Diameter	Number of Barrels	DOT Design Velocity (fps)	Sum of C/A	Time of Concentration ³	10-yr		100-yr		10-yr		100-yr		
																			Q10	Q100	HW Elev.	H-Road Elev.	HW Elev.	H-Road Elev.	Q10	Q100	HW Elev.
Cody Road DW 5	5	5	0.33 ac	0.00 ac	0.33 ac	0.70	0.45	30 ft	2.00%	0.013	HPPP	0.30	16 in	16 in	1	0.9	0.15	10.0 min	7.81	1.16 cfs			320.04	-0.4 ft			320.46
Cody Road DW 4	4	4.5	0.33 ac	0.33 ac	0.66 ac	0.70	0.45	30 ft	2.00%	0.013	HPPP	0.31	16 in	16 in	1	1.9	0.30	10.0 min	7.81	2.32 cfs			308.31	-0.3 ft			308.59
Cody Road DW 3	3	3.5	0.31 ac	0.68 ac	0.97 ac	0.70	0.45	30 ft	3.00%	0.013	HPPP	0.69	18 in	18 in	1	2.7	0.44	10.0 min	7.81	3.41 cfs			288.75	-1.1 ft			288.82
Cody Road DW 2	2A	2.5	0.23 ac	0.97 ac	1.20 ac	0.70	0.45	30 ft	1.00%	0.013	HPPP	0.80	18 in	18 in	1	3.4	0.54	10.0 min	7.81	4.22 cfs			274.46	-0.5 ft			275.00
Cody Road DW 2	2B	1.2	0.41 ac	0.00 ac	0.41 ac	0.70	0.45	30 ft	3.00%	0.013	HPPP	0.36	16 in	16 in	1	1.2	0.18	10.0 min	7.81	1.44 cfs			274.59	-0.4 ft			275.00
Cody Road DW 1	1	1	0.36 ac	0.00 ac	0.36 ac	0.70	0.45	30 ft	1.00%	0.013	HPPP	0.32	15 in	15 in	1	1.0	0.16	10.0 min	7.81	1.28 cfs			276.42	-0.4 ft			276.85
Cody Road A	A	6	1.32 ac	59.17 ac	60.49 ac	0.70	0.50	48 ft	0.20%	0.013	HPPP	15.18	64 in	48 in	1	7.4	12.1	35.7 min	4.31	52.20 cfs	6.60	80.85 cfs	274.95	-1.6 ft	276.05	-0.4 ft	276.50

1. Hilly Land, Tabors Coefficient 0.60 - 0.80
2. Soil type: Sandy loam, 3-5% (ref. TxDOT Hydraulics Manual Table 4-10)
3. Assgn 10 minute minimum
4. Calculated using HY-8 software; minimum ditch slope along lot footage



- DRAINAGE PLAN NOTES:**
1. PROPOSED CONTOURS SHOWN ON THESE PLANS ARE FOR REFERENCE PURPOSES ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PROPOSED CONTOURS AND ANY OTHER ELEVATION REFERENCE WITHIN THESE PLANS, THE OTHER ELEVATION REFERENCE SHALL GOVERN.
 2. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN PROPER SITE DRAINAGE FOR THE DURATION OF CONSTRUCTION AND ASSUMES ALL RESPONSIBILITY FOR ANY INTERIM SITE DRAINAGE ISSUES CREATED FROM THEIR CONSTRUCTION ACTIVITIES. REFER TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN AND DETAILS FOR CONSTRUCTION SCHEDULING AND EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO BEGINNING AND AT THE COMPLETION OF GRADING OPERATIONS.
 3. THE CONTRACTOR SHALL CONTACT 811 PRIOR TO ANY WORK TO LOCATE EXISTING UTILITIES AND SHALL CONTACT THE OWNER SHOULD THE UTILITIES APPEAR TO BE IN CONFLICT WITH ANY PROPOSED IMPROVEMENTS.
 4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 5. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION OR BETTER.
 6. THE CONTOURS AND ELEVATION DATA SHOWN WITHIN THESE PLANS ARE DERIVED FROM PUBLICLY AVAILABLE DATA. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION. EXISTING CONTOURS AND/OR ELEVATIONS SHOWN ON THESE PLANS ARE FOR REFERENCE PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS AND TOPOGRAPHY PRIOR TO PERFORMING ANY EXCAVATION, FILL OR GRADING WORK ON SITE. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO THE OWNER AND ENGINEER FOR REVIEW.



FLOODPLAIN INFORMATION:

A PORTION OF THIS PROPERTY APPEARS TO LIE WITHIN THE 100 YEAR FLOODPLAIN PER POLK COUNTY UNINCORPORATED AREAS COMMUNITY MAP NO. 480526, FEMA FIRM PANEL NOS. 48373C0500C AND 48373C0525C, BOTH HAVING AN EFFECTIVE DATE OF 09-03-2010.

THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY OR STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. ALTHOUGH UNLIKELY, IT IS STILL POSSIBLE THAT FLOODING MAY OCCUR DUE TO MAN-MADE OR NATURAL CAUSES. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE ENGINEER OR THE SURVEYOR.

TEXAS PROFESSIONAL ENGINEERING
MANHARD CONSULTING COMPANY
 3038 N. Frazier, Conroe, TX 77303
 936.756.7101
 engineeringtexas.com
 Firm No. 22053

STATE OF TEXAS
 LOUISA FAUST III
 127382
 LICENSED PROFESSIONAL ENGINEER

CODY ROAD SUBDIVISION
POLK COUNTY
GENERAL CONSTRUCTION LAYOUT - DRAINAGE PLAN

PROJ. MGR.: LF
 PROJ. ASSOC.: PSM
 DRAWN BY: PSM
 DATE: 8/21/2025
 SCALE: 1" = 200'

SHEET 03 OF 08
 620.H0425.001.00