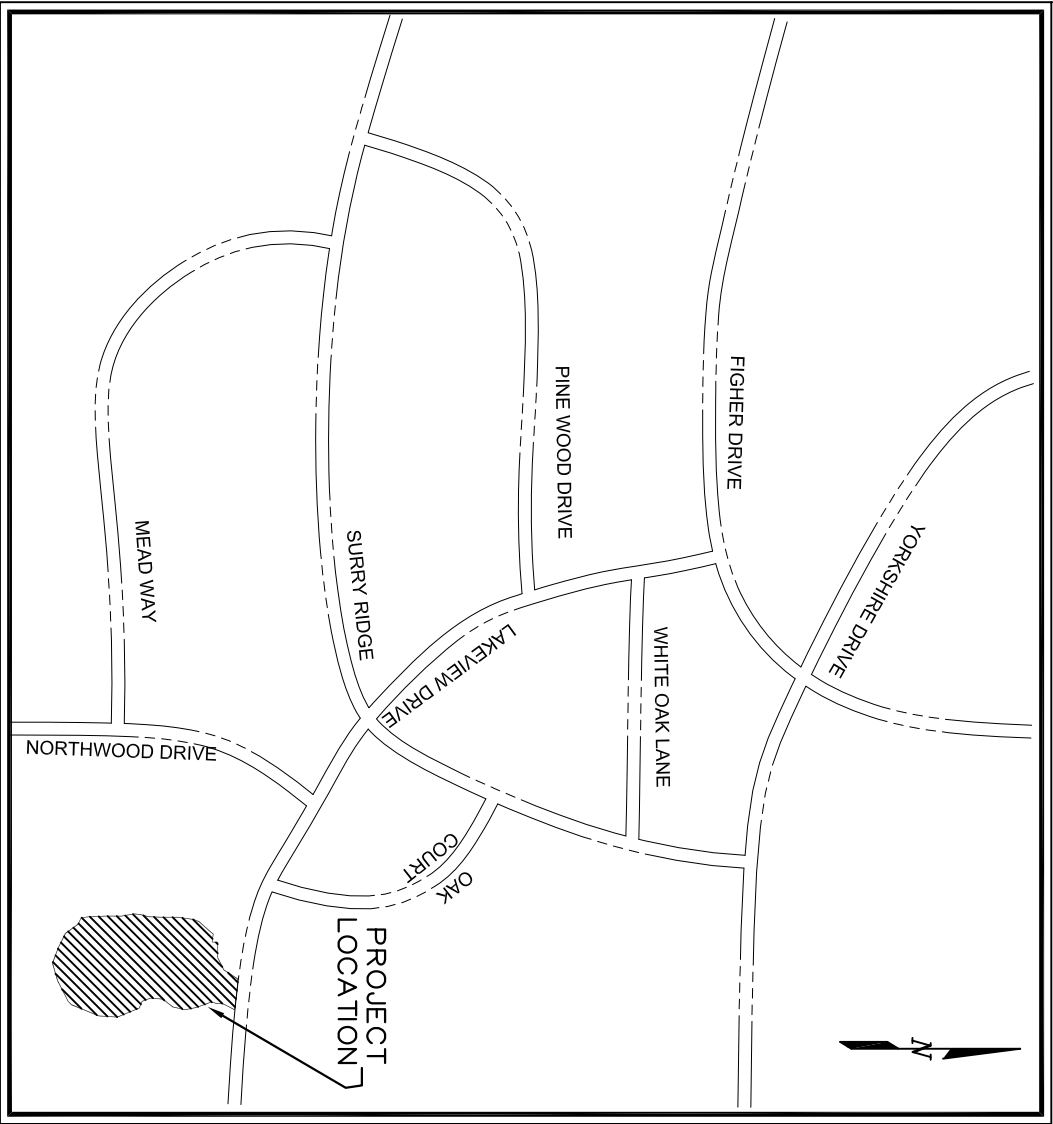


CONTRACT DRAWINGS FOR CONSTRUCTION OF

OIL/GAS WELL SITE

GRADING, EROSION AND SEDIMENT CONTROL PLAN

SHEET	DRAWING NO	TITLE	LIST OF DRAWINGS
	GENERAL DRAWINGS		
1	G-1	COVER SHEET	
2	GESC DRAWINGS		
3	E-1	INITIAL GESC PLAN	
	E-2	FINAL GESC PLAN	
GESC STANDARD NOTES AND DETAILS			
4 - 6	SHEET 1 - 3	GESC Plan Standard Notes and Details	



PROJECT LOCATION: SOUTHWEST QUARTER OF SECTION 11

TOWNSHIP 6S, RANGE 68W

LOCATION MAP

SCALE 1"=1500'

THE GRADING, EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PLACED IN THE DOUGLAS COUNTY FILE FOR THIS PROJECT AND APPEARS TO FULFILL APPLICABLE DOUGLAS COUNTY GRADING, EROSION AND SEDIMENT CONTROL CRITERIA. ADDITIONAL GRADING, EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED OF THE OWNER OR HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND SHALL BE THE OBLIGATION OF THE LANDOWNER, OR HIS OR HER DESIGNATED REPRESENTATIVE, UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.

THE GRADING, EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE REQUIREMENTS OF THE GRADING, EROSION, AND SEDIMENT CONTROL (GESC) MANUAL OF DOUGLAS COUNTY.

GESC PLANS PREPARED BY:

AUSTIN ENGINEERING COMPANY INC.

DATE

PE NUMBER

THE CONSTRUCTION PLANS INCLUDED HEREIN WERE PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE REQUIREMENTS OF THE ROADWAY DESIGN AND CONSTRUCTION STANDARDS AND THE STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA OF DOUGLAS COUNTY.

CONSTRUCTION PLANS PREPARED BY:

AUSTIN ENGINEERING COMPANY INC.

DATE

PE NUMBER

CALL UTILITY NOTIFICATION
CENTER OF COLORADO

1-800-922-1987

CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

<div><div></div><div></div><div></div><div></div></div> <div>Sheet Revisions</div>		<div>AUSTIN ENGINEERING CO., INC. CONSULTING ENGINEERS 88 PLAZA DRIVE, SUITE 200 HIGHLANDS RANCH, COLORADO 80126 (303) 324-4897 FAX: (303) 324-4991</div>		<div>JAMESTOWN DEVELOPMENT CO., INC. 7901 GRANT STREET DENVER, COLORADO 80229 (303) 287-1722 FAX: (303) 289-1084</div>		<div>OIL/GAS WELL SITE</div>		<div>COVER SHEET</div>		<div>DRAWING G-1</div>	
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EXAMPLE
DOUGLAS COUNTY
OIL/GAS WELL SITE
GESC DRAWINGS

ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW	
DATE	
THESE CONSTRUCTION DRAWINGS HAVE BEEN REVIEWED BY DOUGLAS COUNTY FOR GRADING, EROSION AND SEDIMENT CONTROL IMPROVEMENTS ONLY.	

ENGINEERING DIVISION ACCEPTANCE BLOCK

	CD CHECK DAM
	CB COMPOST BLANKET
	CFB COMPOST FILTER BERM
	CWA CONCRETE WASHOUT AREA
	CF CONSTRUCTION FENCE
	CM CONSTRUCTION MARKER
	DW DEWATERING
	DD DIVERSION DITCH
	ECB EROSION CONTROL BLANKET
	IP INLET PROTECTION
	RCD REINFORCED CHECK DAM
	RRB REINFORCED ROCK BERM
	RRC RRB FOR CULVERT PROTECTION
	SB SEDIMENT BASIN
	SCL SEDIMENT CONTROL LOG
	ST SEDIMENT TRAP
	SM SEEDING AND MULCHING
	SF SILT FENCE
	SSA STABILIZED STAGING AREA
	SR SURFACE ROUGHENING
	TSD TEMPORARY SLOPE DRAIN
	TSC TEMPORARY STREAM CROSSING
	TER TERRACING
	VTC VEHICLE TRACKING CONTROL
	WW VTC WITH WHEEL WASH
	LOC LIMITS OF CONSTRUCTION

— — — — — EXISTING 2' CONTOUR
 — — — — — EXISTING 10' CONTOUR
 ————— PROPOSED 2' CONTOUR
 ————— PROPOSED 10' CONTOUR
 ————— FLOW DIRECTION ARROW

NOTES:

1.) SEE SHEET 1 OF 3 OF THE DOUGLAS COUNTY
GESC PLAN STANDARD NOTES AND DETAILS FOR
LEGEND OF BMP NAMES AND SYMBOLS.

2.) CONTROL POINT NO. 7: 3" ALUMINUM INSIDE
RANGE BOX, USGS ELEVATION 5958.37.

3.) SEE CONSTRUCTION PLANS FOR DETAILS OF
PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION
FACILITIES, CULVERTS, STORM DRAINAGE AND OUTLET
PROTECTION.

Sheet Revisions			

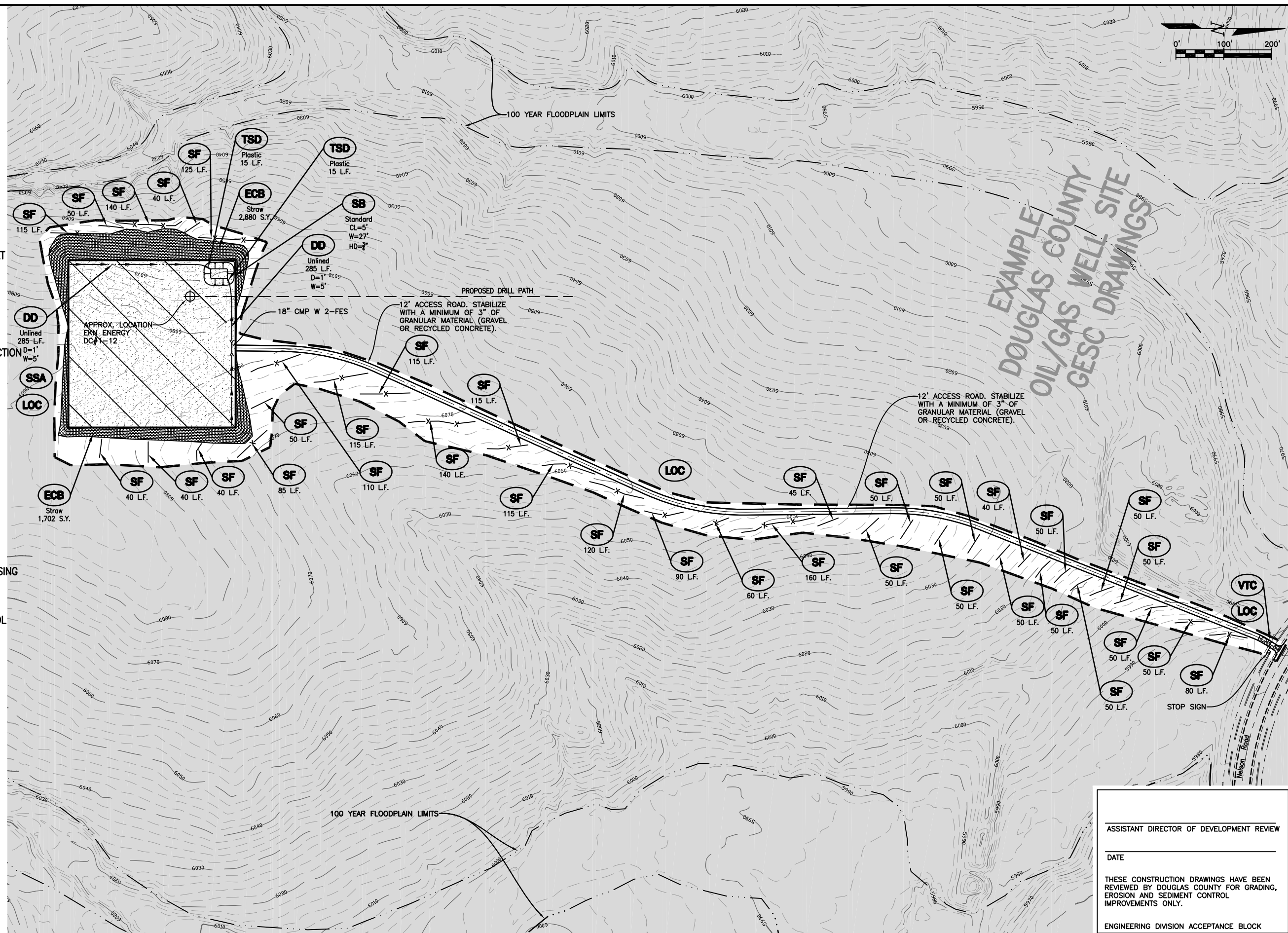
AUSTIN ENGINEERING CO., INC.
CONSULTING ENGINEERS
88 PLAZA DRIVE, SUITE 200
HIGHLANDS RANCH, COLORADO 80126
(303) 324-4897
FAX: (303) 324-4991

JAMESTOWN DEVELOPMENT CO., INC.
7901 GRANT STREET
DENVER, COLORADO 80229
(303) 287-1722
FAX: (303) 289-1084

OIL/GAS WELL SITE

INITIAL GESC PLAN

DRAWING
E-1















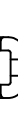



















ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW

DATE _____

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EROSION AND SEDIMENT CONTROL
IMPROVEMENTS ONLY.

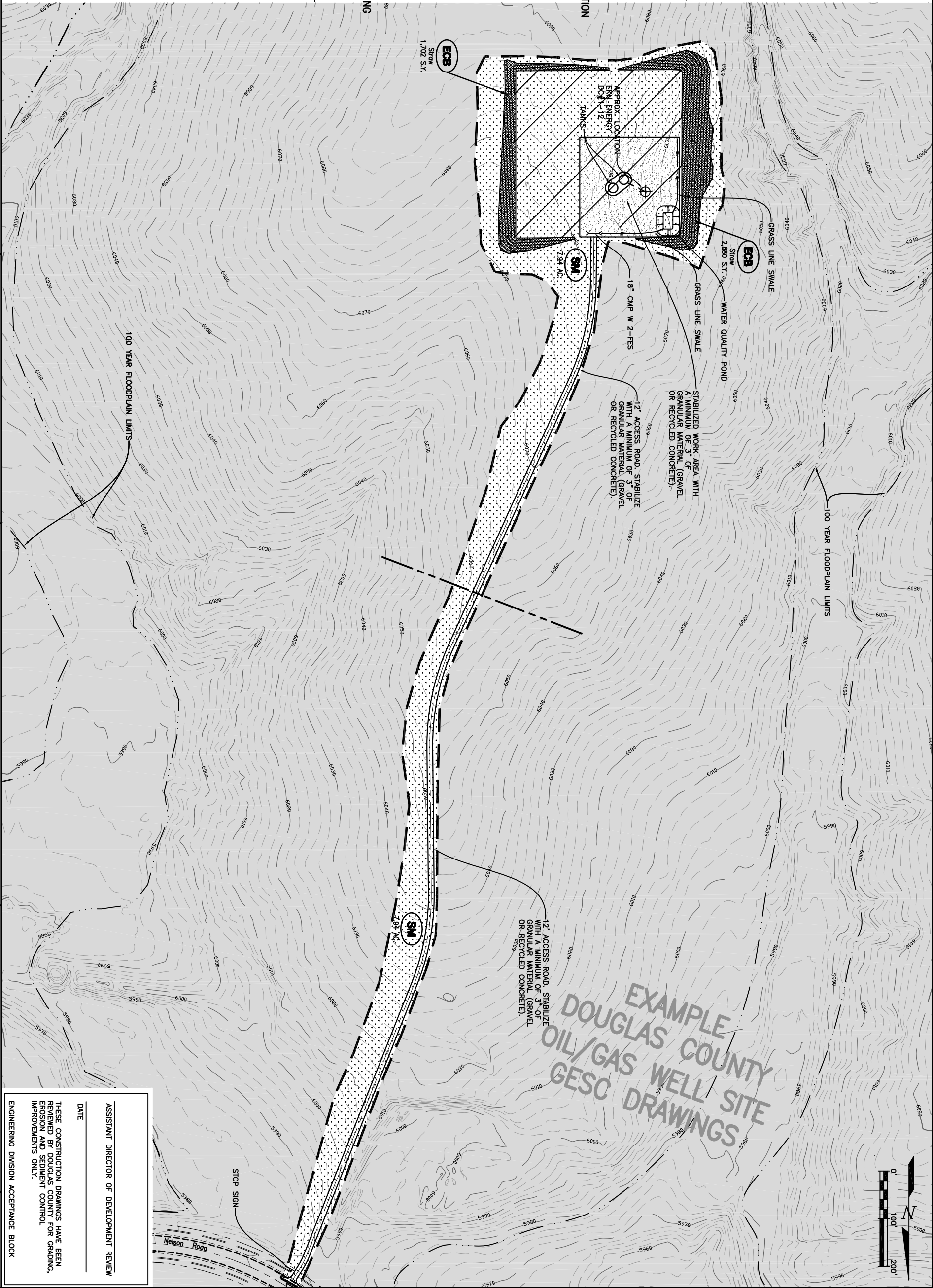
ENGINEERING DIVISION ACCEPTANCE BLOCK

BMP LEGEND

- **CD** CHECK DAM
- **CB** COMPOST BLANKET
- **CFB** COMPOST FILTER BERM
- **CWA** CONCRETE WASHOUT AREA
- **CF** CONSTRUCTION FENCE
- **CM** CONSTRUCTION MARKER
- **DW** DEWATERING
- **DD** DIVERSION DITCH
- **ECB** EROSION CONTROL BLANKET
- **IP** INLET PROTECTION
- **RCD** REINFORCED CHECK DAM
- **RRB** REINFORCED ROCK BERM
- **RRC** RRB FOR CULVERT PROTECTION
- **SB** SEDIMENT BASIN
- **SCL** SEDIMENT CONTROL LOG
- **ST** SEDIMENT TRAP
- **SM** SEEDING AND MULCHING
- **SF** SILT FENCE
- **SSA** STABILIZED STAGING AREA
- **SR** SURFACE ROUGHENING
- **TSD** TEMPORARY SLOPE DRAIN
- **TSC** TEMPORARY STREAM CROSSING
- **TER** TERRACING
- **VTC** VEHICLE TRACKING CONTROL
- **WW** VTC WITH WHEEL WASH
- **LOC** LIMITS OF CONSTRUCTION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR
- FLOW DIRECTION ARROW
- AREA OUTSIDE LIMITS OF CONSTRUCTION

NOTES:
1.) SEE SHEET 1 OF 3 OF THE DOUGLAS COUNTY GESC PLAN STANDARD NOTES AND DETAILS FOR LEGEND OF BMP NAMES AND SYMBOLS.
2.) CONTROL POINT NO. 7: 3" ALUMINUM INSIDE RANGE BOX, USGS ELEVATION 5958.37.
3.) SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, CULVERTS, STORM DRAINAGE AND OUTLET PROTECTION.

Sheet Revisions	



ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW	
DATE	
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ENGINEERING DIVISION ACCEPTANCE BLOCK	

AUSTIN ENGINEERING CO., INC.
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OIL/GAS WELL SITE

FINAL GESC PLAN

DRAWING E-2

DOUGLAS COUNTY STANDARD
GESC NOTES AND DETAILS TO
GO HERE

Sheet Revisions		NOTE: SCALES SHOWN ARE FOR 22"x34" SHEETS. ADJUST ACCORDINGLY FOR 11"x17" SHEETS.		GESC GRADING, EROSION, AND SEDIMENT CONTROL	GESC PLAN STANDARD NOTES AND DETAILS	SHEET 1 OF 3