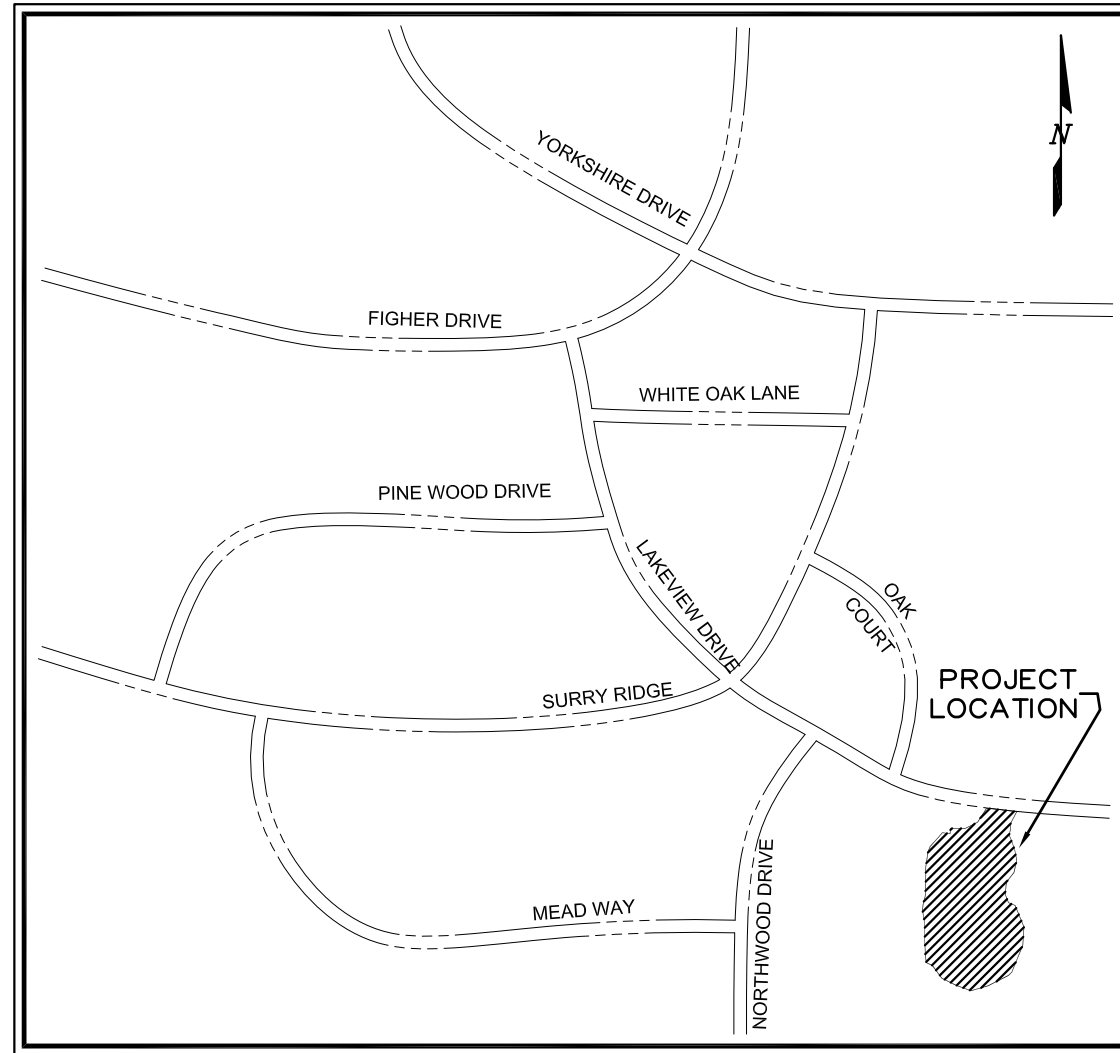


CONTRACT DRAWINGS FOR CONSTRUCTION OF  
**RESIDENTIAL SITE A**  
**GRADING, EROSION AND SEDIMENT CONTROL PLAN**



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.

LIST OF DRAWINGS		
SHEET	DRAWING NO	TITLE
<b>GENERAL DRAWINGS</b>		
1	G-1	COVER SHEET
<b>GESC DRAWINGS</b>		
2	E-1	PHASE I INITIAL GESC PLAN
3	E-2	PHASE I INTERIM GESC PLAN
4	E-3	PHASE I FINAL GESC PLAN
5	E-4	PHASE II INITIAL GESC PLAN
6	E-5	PHASE II INTERIM GESC PLAN
7	E-6	PHASE II FINAL GESC PLAN
8	E-7	PHASE I EARTHWORK BALANCE PLAN
9	E-8	PHASE II EARTHWORK BALANCE PLAN
<b>GESC STANDARD NOTES AND DETAILS</b>		
10	SHEET 1	GESC GENERAL NOTES AND LEGEND
11 - 22	SHEETS 2 - 13	GESC DETAILS AND INSTALLATION AND MAINTENANCE NOTES
23	SHEETS 14	ROCK AND RIPRAP GRADATIONS

EXAMPLE  
 DOUGLAS COUNTY  
 STAGED & PHASED  
 GESC DRAWINGS  
 (MULTIPLE GRADING PHASE)

\_\_\_\_\_  
 ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW







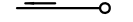


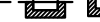


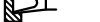

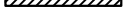












DATE







THESE CONSTRUCTION DRAWINGS HAVE BEEN REVIEWED BY DOUGLAS COUNTY FOR GRADING, EROSION AND SEDIMENT CONTROL IMPROVEMENTS ONLY.

ENGINEERING DIVISION ACCEPTANCE BLOCK

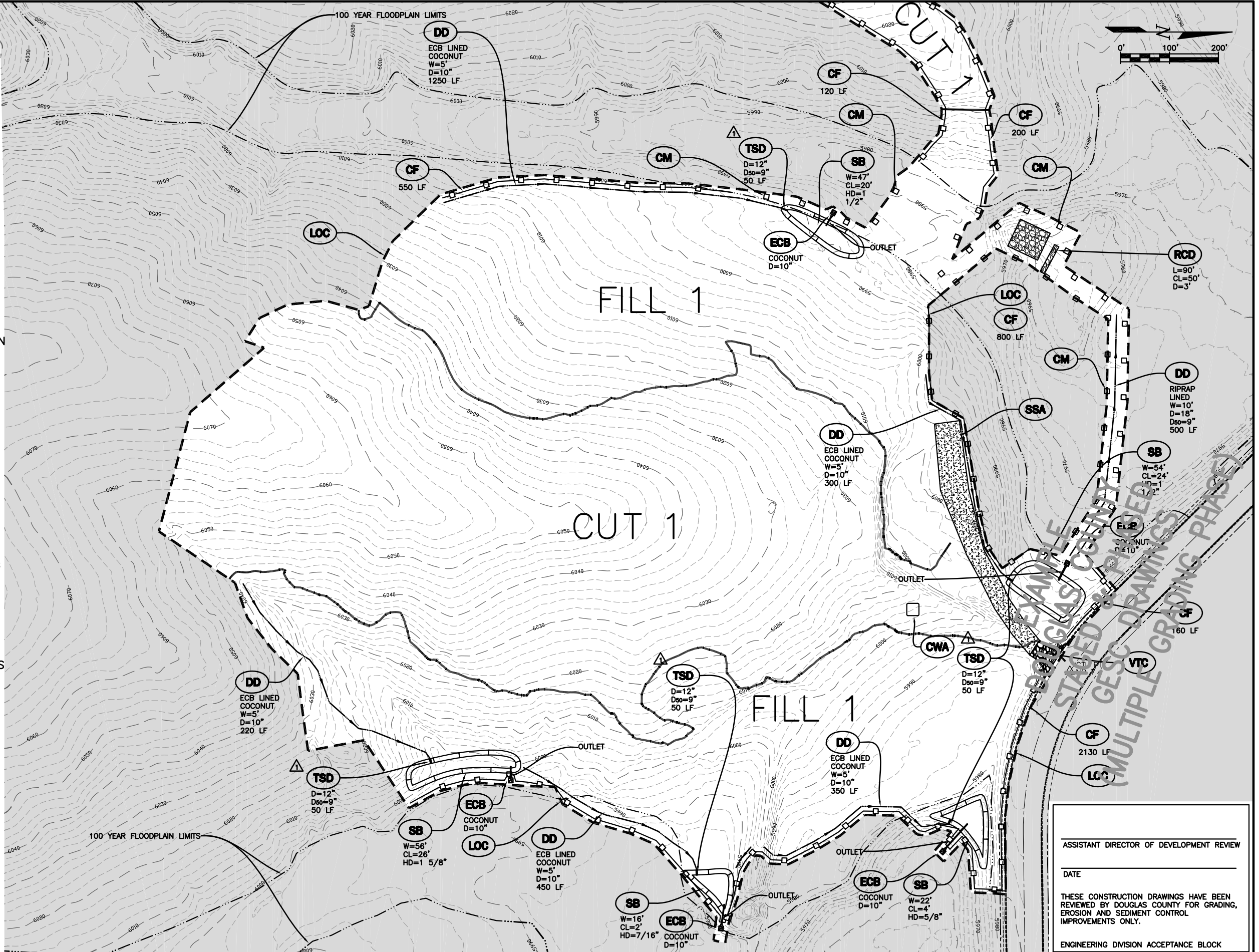
Sheet Revisions ○ ○ ○ ○		<b>AUSTIN ENGINEERING CO., INC.</b> CONSULTING ENGINEERS 88 PLAZA DRIVE, SUITE 200 HIGHLANDS RANCH, COLORADO 80126 (303) 324-4897 FAX: (303) 324-4991	<b>JAMESTOWN DEVELOPMENT CO., INC.</b> 7901 GRANT STREET DENVER, COLORADO 80229 (303) 287-1722 FAX: (303) 289-1084	<b>RESIDENTIAL SITE A</b>	<b>COVER SHEET</b>	DRAWING <b>G-1</b>
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**BMP LEGEND**




-  **CD** CHECK DAM
-  **CB** COMPOST BLANKET
-  **CFB** COMPOST FILTER BERM
-  **CWA** CONCRETE WASHOUT AREA
-  **CF** CONSTRUCTION FENCE
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-  **TSC** TEMPORARY STREAM CROSSING
-  **TER** TERRACING
-  **VTC** VEHICLE TRACKING CONTROL
-  **WW** VTC WITH WHEEL WASH
-  **LOC** ROCK AND RIPRAP GRADATIONS
-  **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 COVER SHEET OF DOUGLAS COUNTY STANDARD NOTES AND DETAILS (SHEET 1 OF 11) FOR LEGEND OF BMP NAMES AND SYMBOLS.  
 2.) CONTROL POINT NO. 7: 3" ALUMINUM INSIDE RANGE BOX, USGS ELEVATION 5958.37.  
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ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW  
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 HIGHLANDS RANCH, COLORADO 80126  
 (303) 324-4897  
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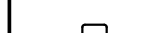
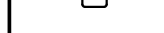


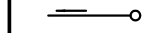
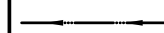










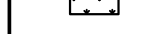
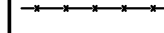
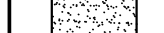



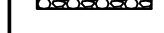

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 DENVER, COLORADO 80229  
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**RESIDENTIAL SITE A**

**PHASE I INITIAL GESC PLAN**

DRAWING  
**E-1**

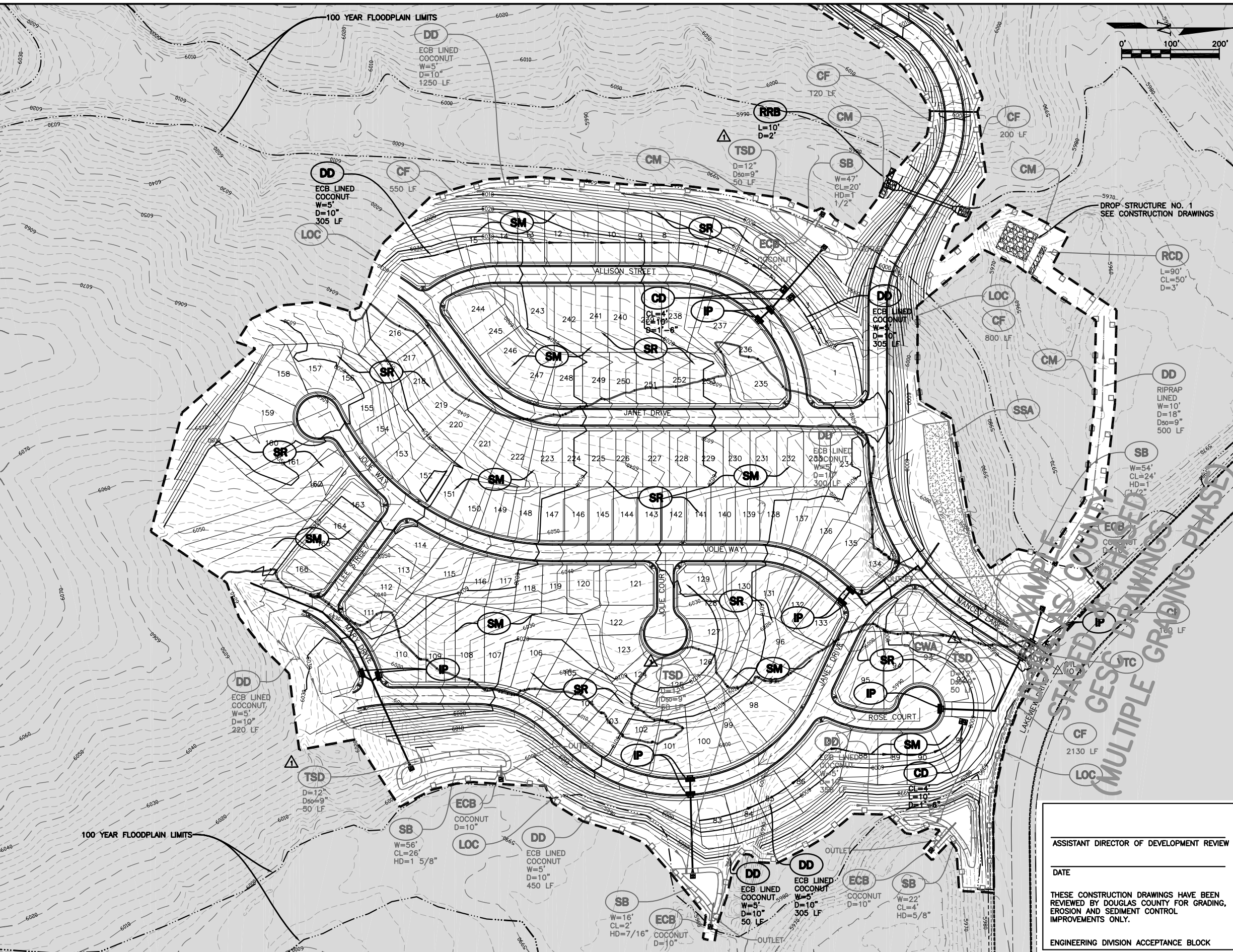
**BMP LEGEND**

-  **CD** CHECK DAM
-  **CB** COMPOST BLANKET
-  **CFB** COMPOST FILTER BERM
-  **CWA** CONCRETE WASHOUT AREA
-  **CF** CONSTRUCTION FENCE
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-  **VTC** VEHICLE TRACKING CONTROL
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-  **LOC** ROCK AND RIPRAP GRADATIONS
-  **LOC** LIMITS OF CONSTRUCTION




-  EXISTING 2' CONTOUR
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 AREA OUTSIDE LIMITS OF CONSTRUCTION

**NOTES:**  
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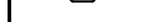


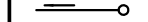





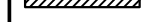




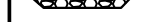

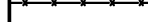
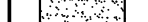



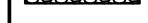
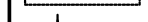
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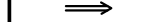
**RESIDENTIAL SITE A**

**PHASE I INTERIM  
 GESC PLAN**

**DRAWING  
 E-2**

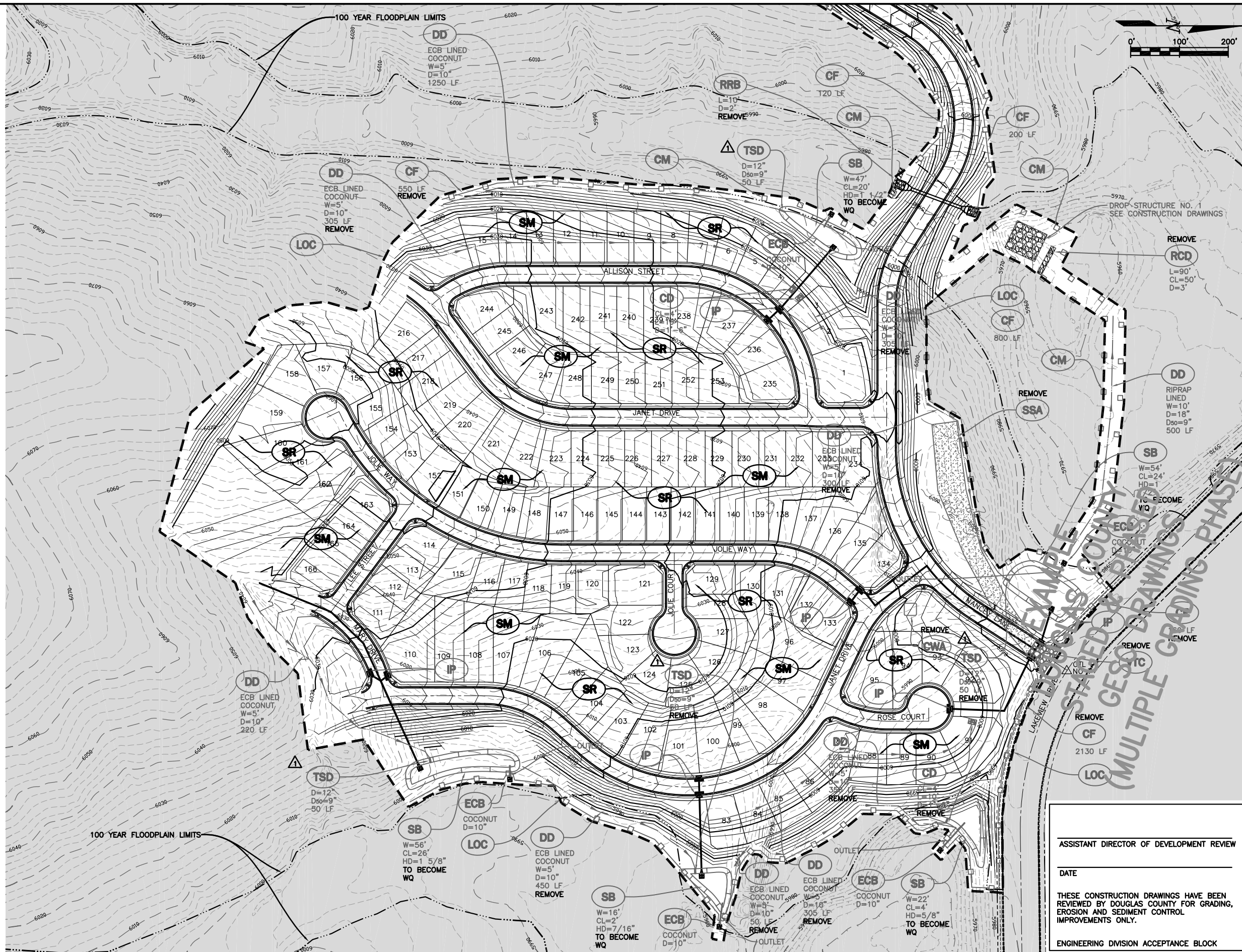
**BMP LEGEND**

-  **CD** CHECK DAM
-  **CB** COMPOST BLANKET
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-  **LOC** ROCK AND RIPRAP GRADATIONS
-  **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 COVER SHEET OF DOUGLAS COUNTY STANDARD NOTES AND DETAILS (SHEET 1 OF 11) FOR LEGEND OF BMP NAMES AND SYMBOLS.
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




ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW

DATE

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ENGINEERING DIVISION ACCEPTANCE BLOCK

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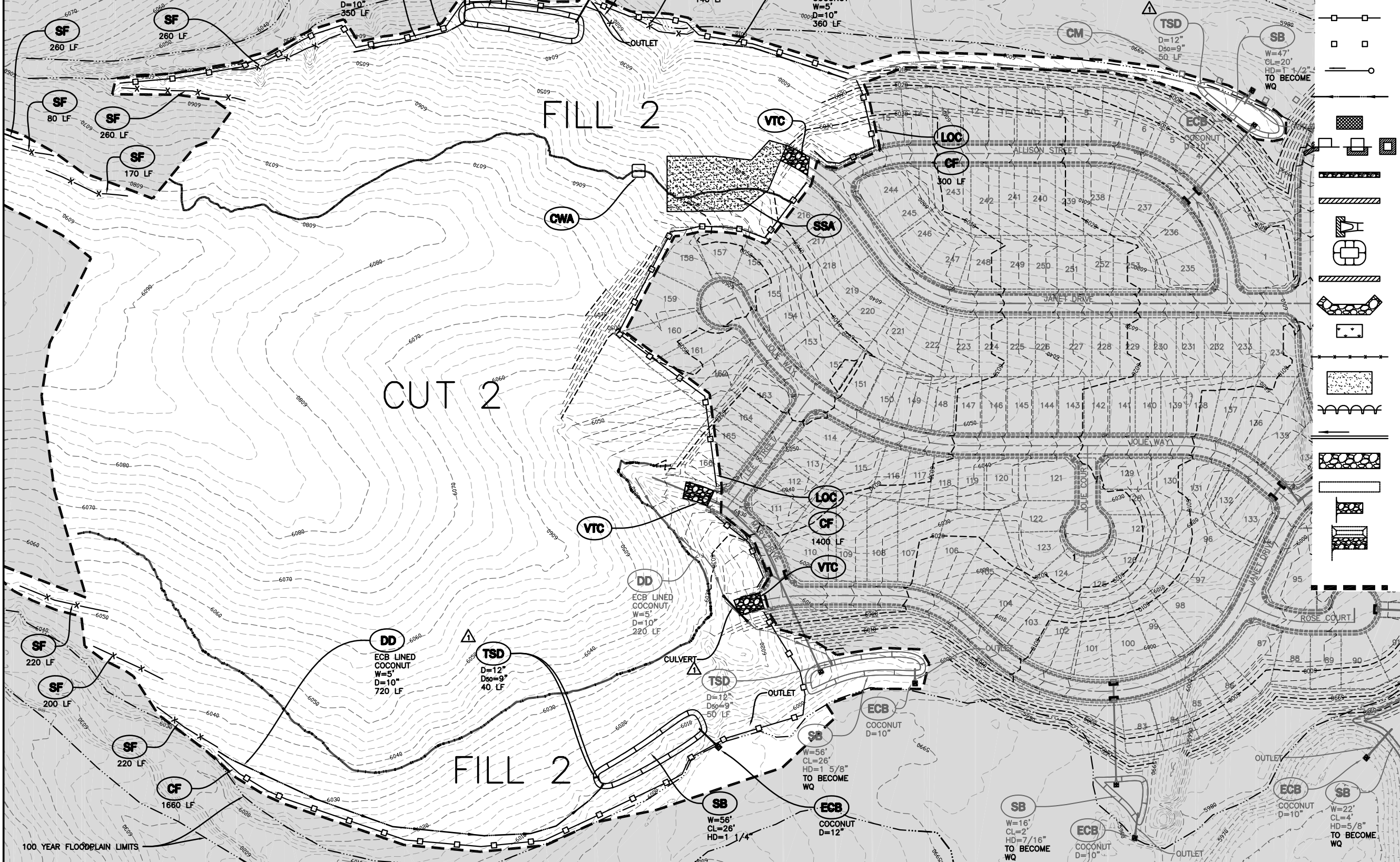
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 7901 GRANT STREET  
 DENVER, COLORADO 80229  
 (303) 287-1722  
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**RESIDENTIAL SITE A**

**PHASE I FINAL  
 GESC PLAN**

DRAWING  
**E-3**

**NOTES:**  
 1.) SEE COVER SHEET OF DOUGLAS COUNTY STANDARD NOTES AND DETAILS (SHEET 1 OF 11) FOR LEGEND OF BMP NAMES AND SYMBOLS.  
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**BMP LEGEND**

	CD CHECK DAM
	CB COMPOST BLANKET
	CFB COMPOST FILTER BERM
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	CM CONSTRUCTION MARKER
	DW DEWATERING
	DD DIVERSION DITCH
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	EXISTING 2' CONTOUR
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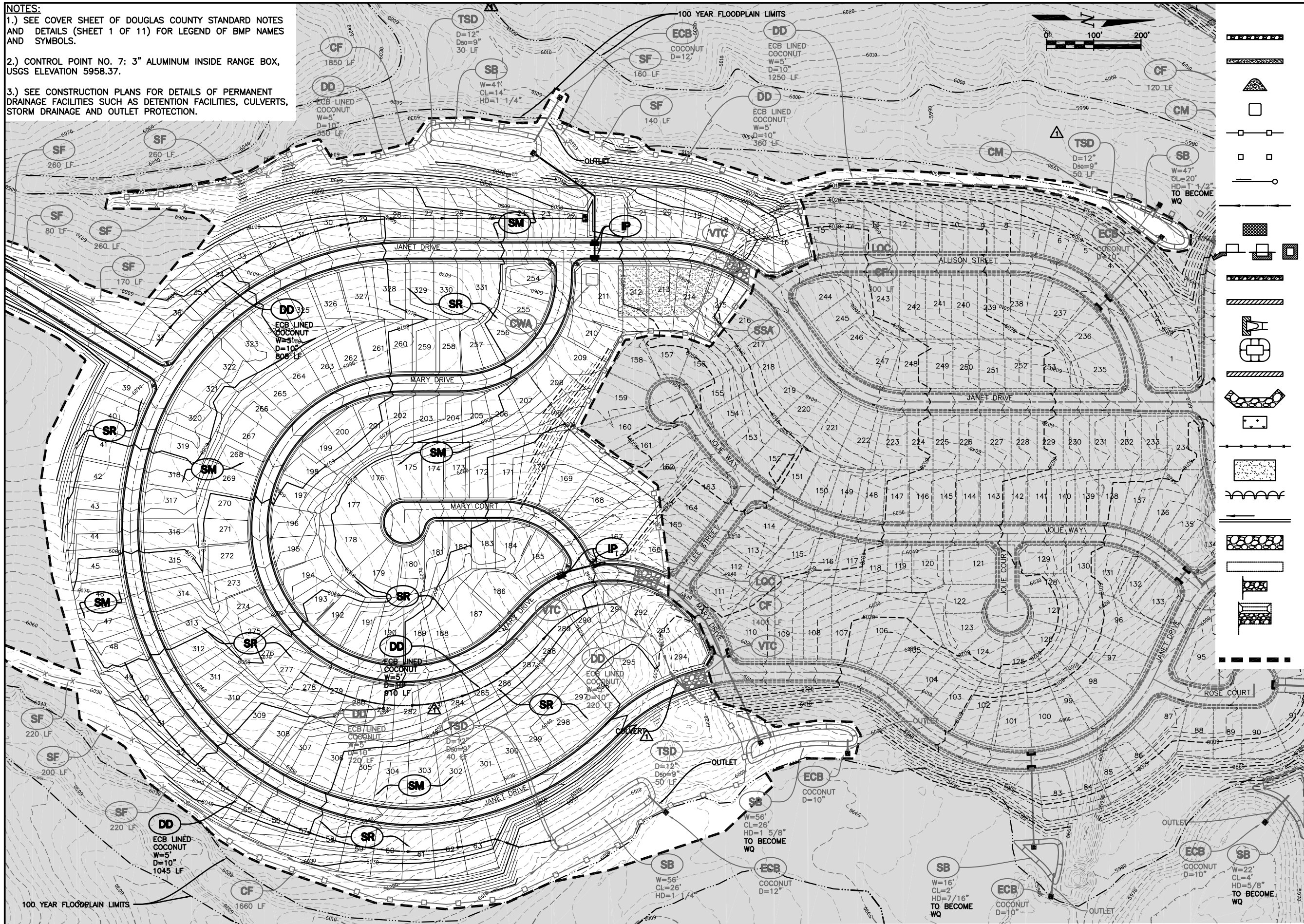
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 DENVER, COLORADO 80229  
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 FAX: (303) 289-1084

**RESIDENTIAL SITE A**

**PHASE II INITIAL GESC PLAN**

DRAWING  
**E-4**

**NOTES:**  
 1.) SEE COVER SHEET OF DOUGLAS COUNTY STANDARD NOTES AND DETAILS (SHEET 1 OF 11) FOR LEGEND OF BMP NAMES AND SYMBOLS.  
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- BMP LEGEND**
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  - CB** COMPOST BLANKET
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  - ROCK AND RIPRAP GRADATIONS**
  - LOC** LIMITS OF CONSTRUCTION
    - EXISTING 2' CONTOUR
    - EXISTING 10' CONTOUR
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    - FLOW DIRECTION ARROW
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ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW  
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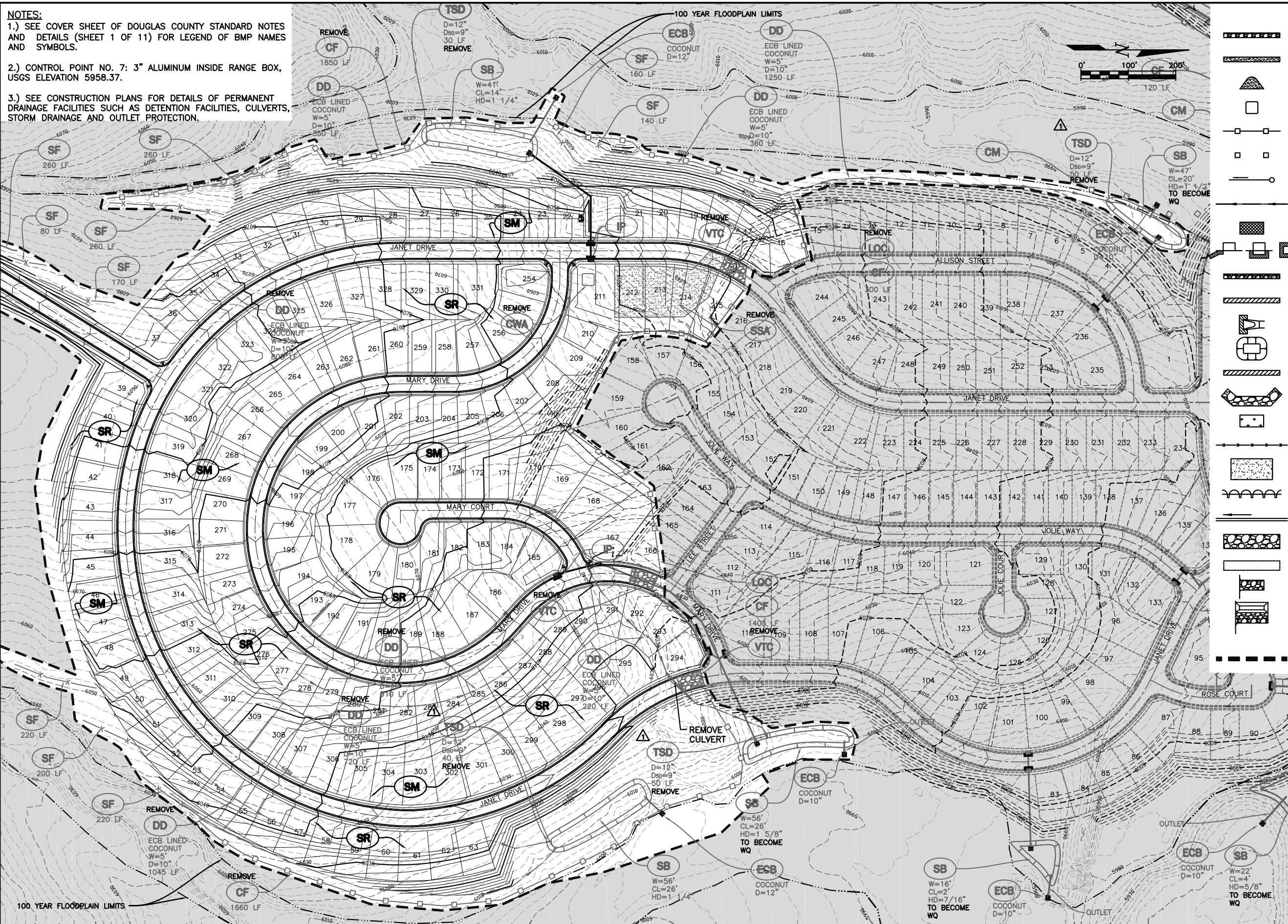
**JAMESTOWN DEVELOPMENT CO., INC.**  
 7901 GRANT STREET  
 DENVER, COLORADO 80229  
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**RESIDENTIAL SITE A**

**PHASE II INTERIM  
 GESC PLAN**

DRAWING  
**E-5**

**NOTES:**  
 1.) SEE COVER SHEET OF DOUGLAS COUNTY STANDARD NOTES AND DETAILS (SHEET 1 OF 11) 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.



**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
  - VW** VTC WITH WHEEL WASH
  - LOC** ROCK AND RIPRAP GRADATIONS
  - LOC** LIMITS OF CONSTRUCTION
- - - - - EXISTING 2' CONTOUR  
 - - - - - EXISTING 10' CONTOUR  
 - - - - - PROPOSED 2' CONTOUR  
 - - - - - PROPOSED 10' CONTOUR  
 - - - - - FLOW DIRECTION ARROW  
 [Shaded Area] AREA OUTSIDE LIMITS OF CONSTRUCTION

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

Sheet Revisions		
	DOUGLAS COUNTY REVISIONS	5/06

**AUSTIN ENGINEERING CO., INC.**  
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**RESIDENTIAL SITE A**

**PHASE II FINAL  
 GESC PLAN**

DRAWING  
**E-6**

**CUT/FILL QUANTITIES**

CUT AREA (CUBIC YARDS)	VOLUME (CUBIC YARDS)	FILL AREA (CUBIC YARDS)	VOLUME (CUBIC YARDS)
C1	214,851	F1	214,851
<b>TOTALS</b>	<b>214,851</b>		<b>214,851</b>



**EXAMPLE DOUGLAS COUNTY STAGED & PHASED GESC DRAWINGS (MULTIPLE GRADING PHASE)**

ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW

DATE

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ENGINEERING DIVISION ACCEPTANCE BLOCK

Sheet Revisions	

**AUSTIN ENGINEERING CO., INC.**  
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**RESIDENTIAL SITE A**

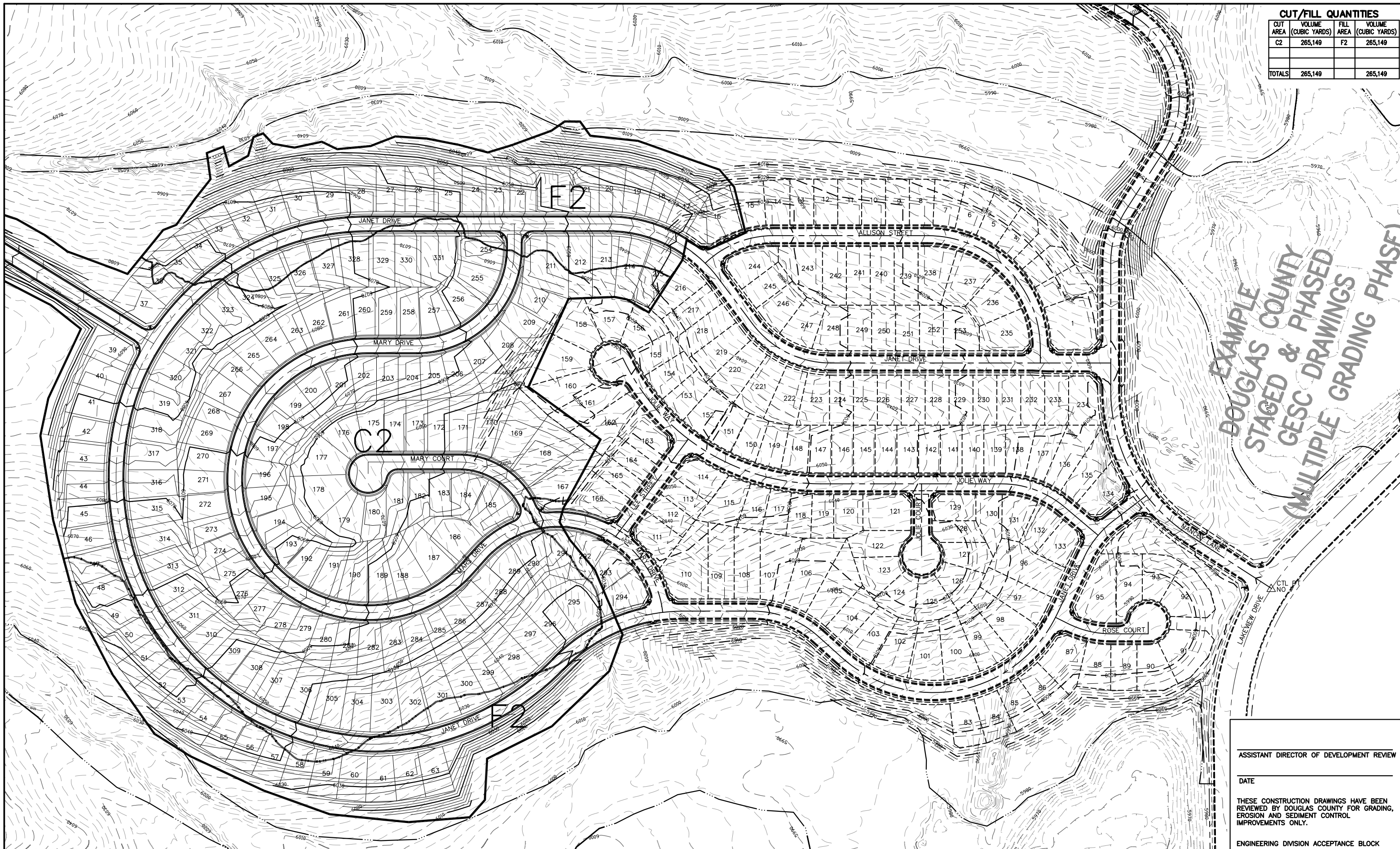
**PHASE I EARTHWORK  
 BALANCE PLAN**

**DRAWING  
 E-7**



**CUT/FILL QUANTITIES**

CUT AREA	VOLUME (CUBIC YARDS)	FILL AREA	VOLUME (CUBIC YARDS)
C2	265,149	F2	265,149
<b>TOTALS</b>	<b>265,149</b>		<b>265,149</b>



EXAMPLE  
 DOUGLAS COUNTY  
 STAGED & PHASED  
 GESC DRAWINGS  
 (MULTIPLE GRADING PHASE)

ASSISTANT DIRECTOR OF DEVELOPMENT REVIEW

DATE

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ENGINEERING DIVISION ACCEPTANCE BLOCK

Sheet Revisions	

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**RESIDENTIAL SITE A**

**PHASE II EARTHWORK  
 BALANCE PLAN**

DRAWING  
**E-8**

# DOUGLAS COUNTY STANDARD GESc NOTES AND DETAILS TO GO HERE

Sheet Revisions	
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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**