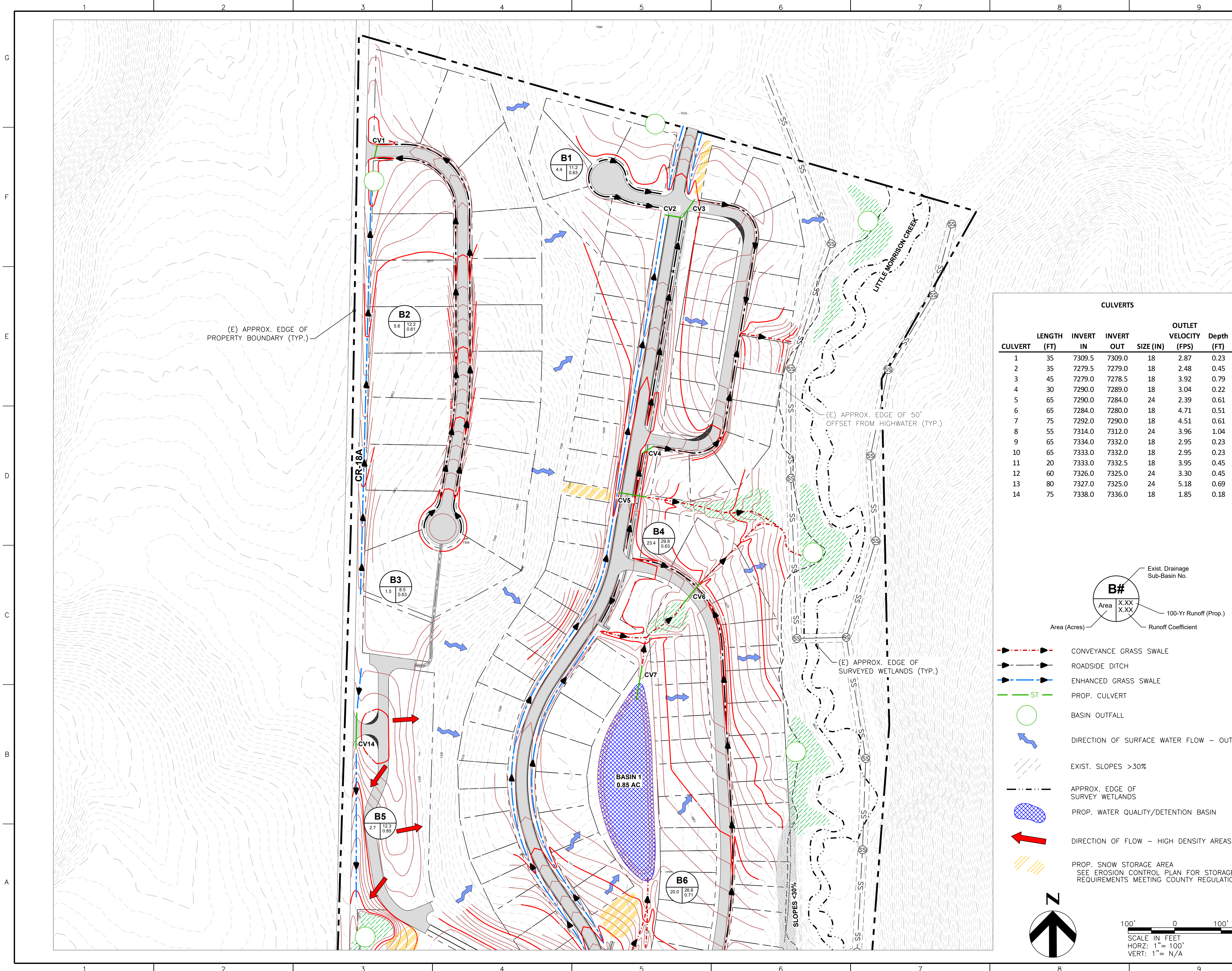


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 PLOT DATE/TIME: 8/23/2024 9:47 AM  
 PLOTTED BY: SAM OTERO  
 PLOT STYLE: 8140CAD\_MSTANDARD.CTB



**CULVERTS**

CULVERT	LENGTH (FT)	INVERT IN	INVERT OUT	OUTLET SIZE (IN)	VELOCITY (FPS)	Depth (FT)
1	35	7309.5	7309.0	18	2.87	0.23
2	35	7279.5	7279.0	18	2.48	0.45
3	45	7279.0	7278.5	18	3.92	0.79
4	30	7290.0	7289.0	18	3.04	0.22
5	65	7290.0	7284.0	24	2.39	0.61
6	65	7284.0	7280.0	18	4.71	0.51
7	75	7292.0	7290.0	18	4.51	0.61
8	55	7314.0	7312.0	24	3.96	1.04
9	65	7334.0	7332.0	18	2.95	0.23
10	65	7333.0	7332.0	18	2.95	0.23
11	20	7333.0	7332.5	18	3.95	0.45
12	60	7326.0	7325.0	24	3.30	0.45
13	80	7327.0	7325.0	24	5.18	0.69
14	75	7338.0	7336.0	18	1.85	0.18

**Basin Legend:**

B#

Area (Acres)      Area      X.XX      X.XX

Exist. Drainage Sub-Basin No.      Runoff Coefficient      100-Yr Runoff (Prop.)

**Flow and Infrastructure Legend:**

- CONVEYANCE GRASS SWALE
- ROADSIDE DITCH
- ENHANCED GRASS SWALE
- PROP. CULVERT
- BASIN OUTFALL
- DIRECTION OF SURFACE WATER FLOW - OUTSIDE LOTS
- EXIST. SLOPES >30%
- APPROX. EDGE OF SURVEY WETLANDS
- PROP. WATER QUALITY/DETENTION BASIN
- DIRECTION OF FLOW - HIGH DENSITY AREAS
- PROP. SNOW STORAGE AREA  
SEE EROSION CONTROL PLAN FOR STORAGE REQUIREMENTS MEETING COUNTY REGULATIONS

**Scale and Orientation:**

SCALE IN FEET  
 HORZ: 1" = 100'  
 VERT: 1" = N/A

North Arrow

OWNER:  
**TAILWATERS AT STAGECOACH, LLC**

PLANNER:  
  
 164 Railroad Ave  
 Minturn, CO 81645  
 (970) 239-1485

ARCHITECT:  
 LANDSCAPE ARCHITECT:

**NOT FOR CONSTRUCTION**

ENGINEER:  
**NKE** 7638 S Crocker Ct  
 Littleton, CO 80120  
 (970) 445-8810



ISSUE	DATE	DESCRIPTION
2	08/23/24	DRAINAGE PLAN UPDATE
1	07/19/24	PRELIMINARY PLAN UPDATE
0	01/11/24	PRELIMINARY PLAN SUBMISSION

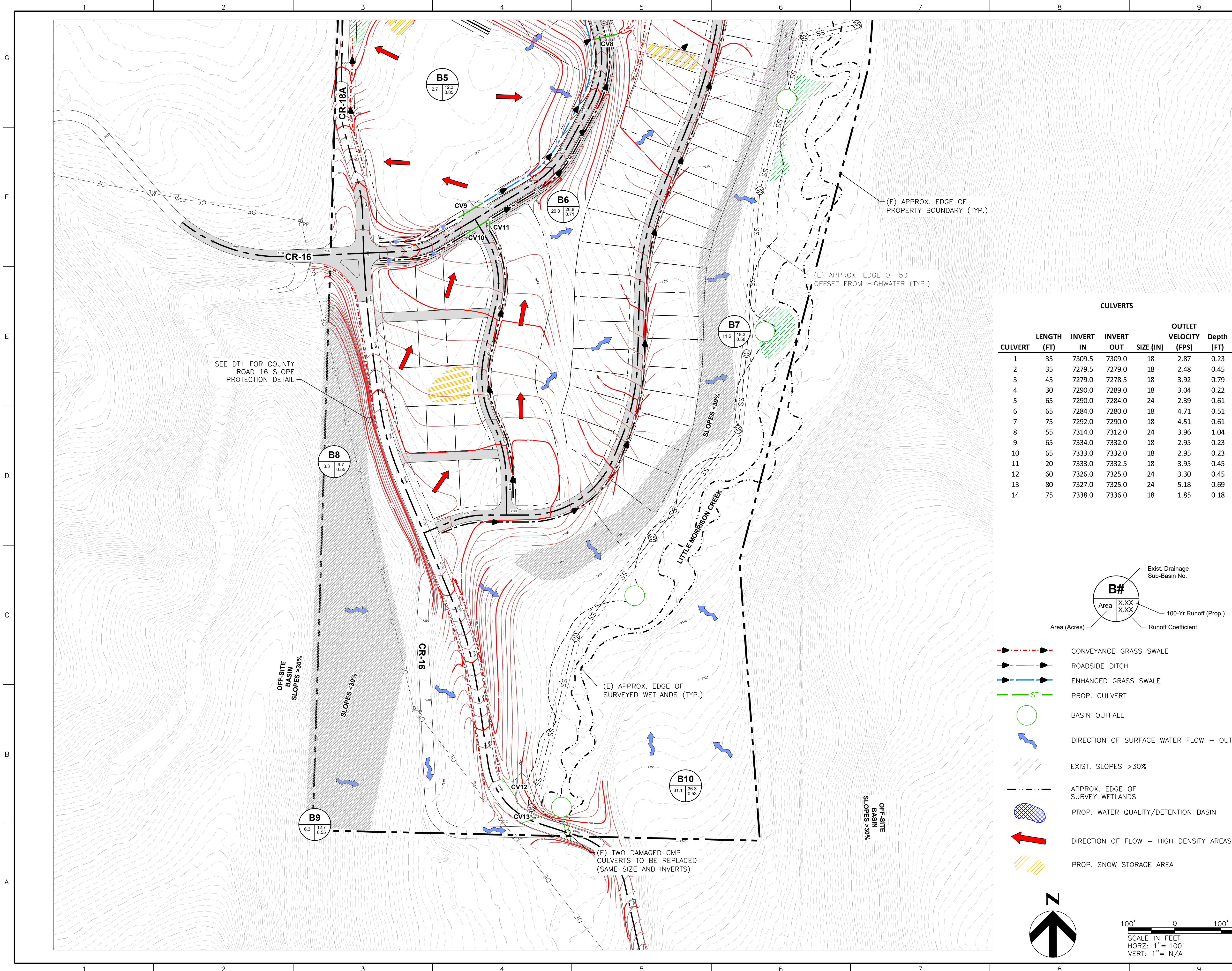
DRAWN BY: S. OTERO

SHEET TITLE:  
**PROP. MASTER DRAINAGE AND GRADING (NORTH)**

SHEET NUMBER:  
**PR-MD1**



FILE NAME: N:\PROJECTS\BATTLE MOUNTAIN\STAGECOACH\MASTER PLANS\TAILWATERS\_PROP\_GRADING.DWG  
 PLOT DATE/TIME: 8/23/2024 9:47 AM  
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 PLOT STYLE: 8140CAD\_MSTANDARD.CTB



SEE DT1 FOR COUNTY ROAD 16 SLOPE PROTECTION DETAIL

(E) APPROX. EDGE OF PROPERTY BOUNDARY (TYP.)

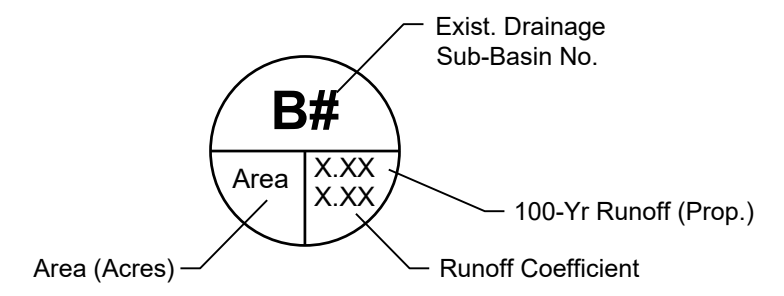
(E) APPROX. EDGE OF 50' OFFSET FROM HIGHWATER (TYP.)

(E) APPROX. EDGE OF SURVEYED WETLANDS (TYP.)

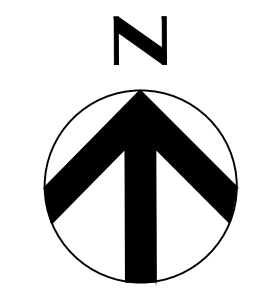
(E) TWO DAMAGED CMP CULVERTS TO BE REPLACED (SAME SIZE AND INVERTS)

**CULVERTS**

CULVERT	LENGTH (FT)	INVERT IN	INVERT OUT	OUTLET VELOCITY (FPS)	Depth (FT)
1	35	7309.5	7309.0	18	2.87
2	35	7279.5	7279.0	18	2.48
3	45	7279.0	7278.5	18	3.92
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9	65	7334.0	7332.0	18	2.95
10	65	7333.0	7332.0	18	2.95
11	20	7333.0	7332.5	18	3.95
12	60	7326.0	7325.0	24	3.30
13	80	7327.0	7325.0	24	5.18
14	75	7338.0	7336.0	18	1.85



- CONVEYANCE GRASS SWALE
- ROADSIDE DITCH
- ENHANCED GRASS SWALE
- PROP. CULVERT
- BASIN OUTFALL
- DIRECTION OF SURFACE WATER FLOW - OUTSIDE LOTS
- EXIST. SLOPES >30%
- APPROX. EDGE OF SURVEY WETLANDS
- PROP. WATER QUALITY/DETENTION BASIN
- DIRECTION OF FLOW - HIGH DENSITY AREAS
- PROP. SNOW STORAGE AREA



SCALE IN FEET  
 HORZ: 1" = 100'  
 VERT: 1" = N/A

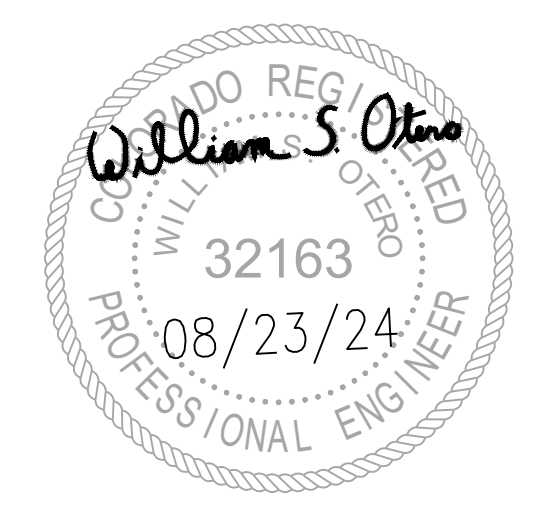
OWNER:  
  
**TAILWATERS AT STAGECOACH, LLC**

PLANNER:  
  
  
 164 Railroad Ave  
 Minturn, CO 81645  
 (970) 239-1485

ARCHITECT:  
  
 LANDSCAPE ARCHITECT:

**NOT FOR CONSTRUCTION**

ENGINEER:  
  
**NKE** 7638 S Crocker Ct  
 Littleton, CO 80120  
 (970) 445-8810



ISSUE	DATE	DESCRIPTION
2	08/23/24	DRAINAGE PLAN UPDATE
1	07/19/24	PRELIMINARY PLAN UPDATE
0	01/11/24	PRELIMINARY PLAN SUBMISSION

DRAWN BY: S. OTERO  
 SHEET TITLE:

**PROP. MASTER DRAINAGE AND GRADING (SOUTH)**  
 SHEET NUMBER:  
**PR-MD2**