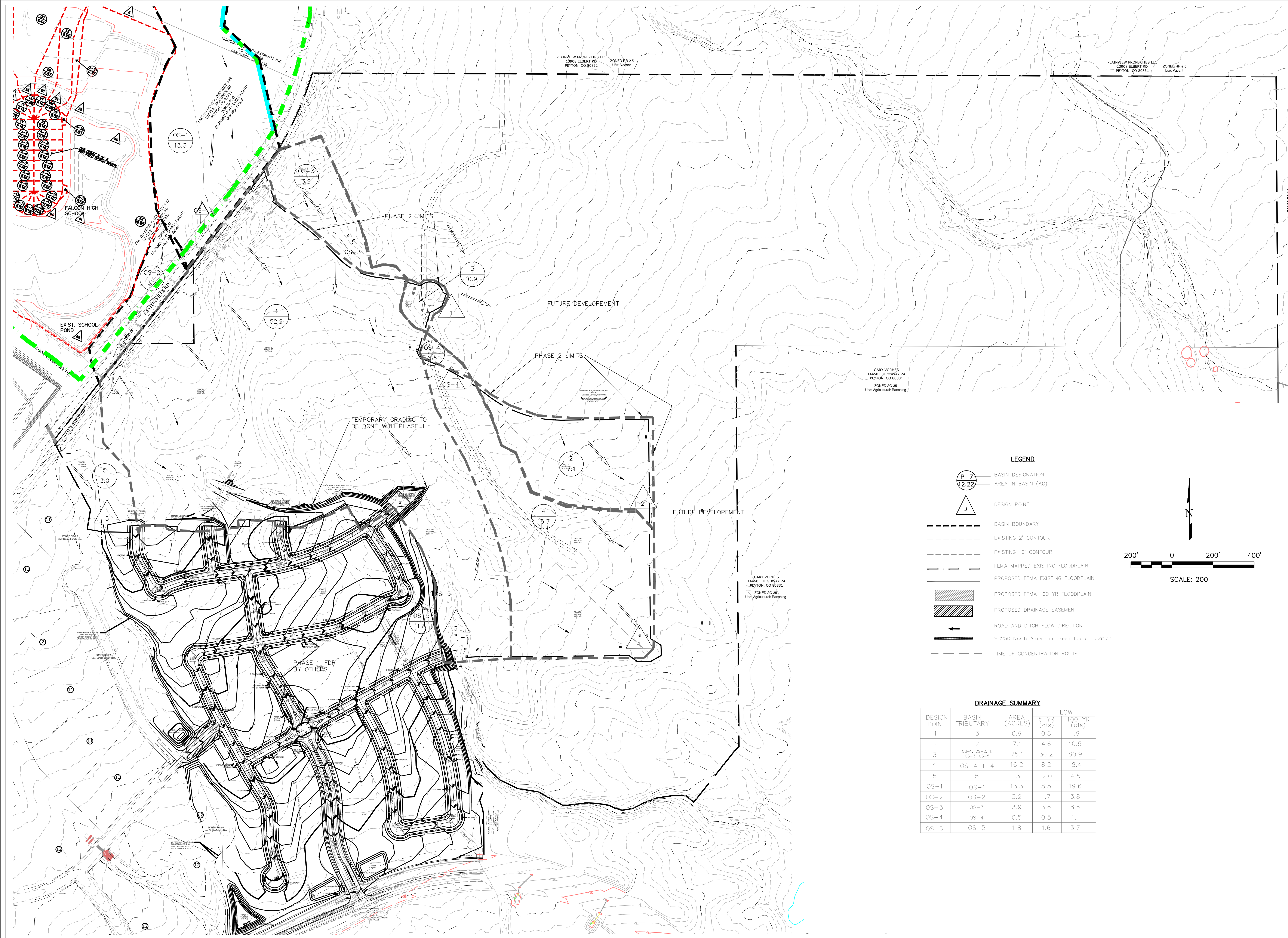


N:\Jobs\1715.00\Drawings\SDP\171500 SDP.dwg, 8/2/2017 10:44:42 AM, DWG To PDF, p23
N:\Jobs\1715.00\Drawings\SDP\171500 SDP.dwg [Ex. Drainage Map]



LEGEND

- BASIN DESIGNATION
AREA IN BASIN (AC)
- DESIGN POINT
- BASIN BOUNDARY
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- FEMA MAPPED EXISTING FLOODPLAIN
- PROPOSED FEMA EXISTING FLOODPLAIN
- PROPOSED FEMA 100 YR FLOODPLAIN
- PROPOSED DRAINAGE EASEMENT
- ROAD AND DITCH FLOW DIRECTION
- SC250 North American Green fabric Location
- TIME OF CONCENTRATION ROUTE

DRAINAGE SUMMARY				
DESIGN POINT	BASIN TRIBUTARY	AREA (ACRES)	FLOW	
			5 YR (cfs)	100 YR (cfs)
1	3	0.9	0.8	1.9
2	2	7.1	4.6	10.5
3	OS-1, OS-2, 1, OS-3, OS-5	75.1	36.2	80.9
4	OS-4 + 4	16.2	8.2	18.4
5	5	3	2.0	4.5
OS-1	OS-1	13.3	8.5	19.6
OS-2	OS-2	3.2	1.7	3.8
OS-3	OS-3	3.9	3.6	8.6
OS-4	OS-4	0.5	0.5	1.1
OS-5	OS-5	1.8	1.6	3.7

Terra Nova
Engineering, Inc.
1214 N. WASHINGTON AVENUE
COLORADO SPRINGS, CO 80901
OFFICE: 719-437-4427
FAX: 719-437-4428

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WATERBURY

PHASE 2 EXISTING DRAINAGE PLAN

EL PASO COUNTY, CO

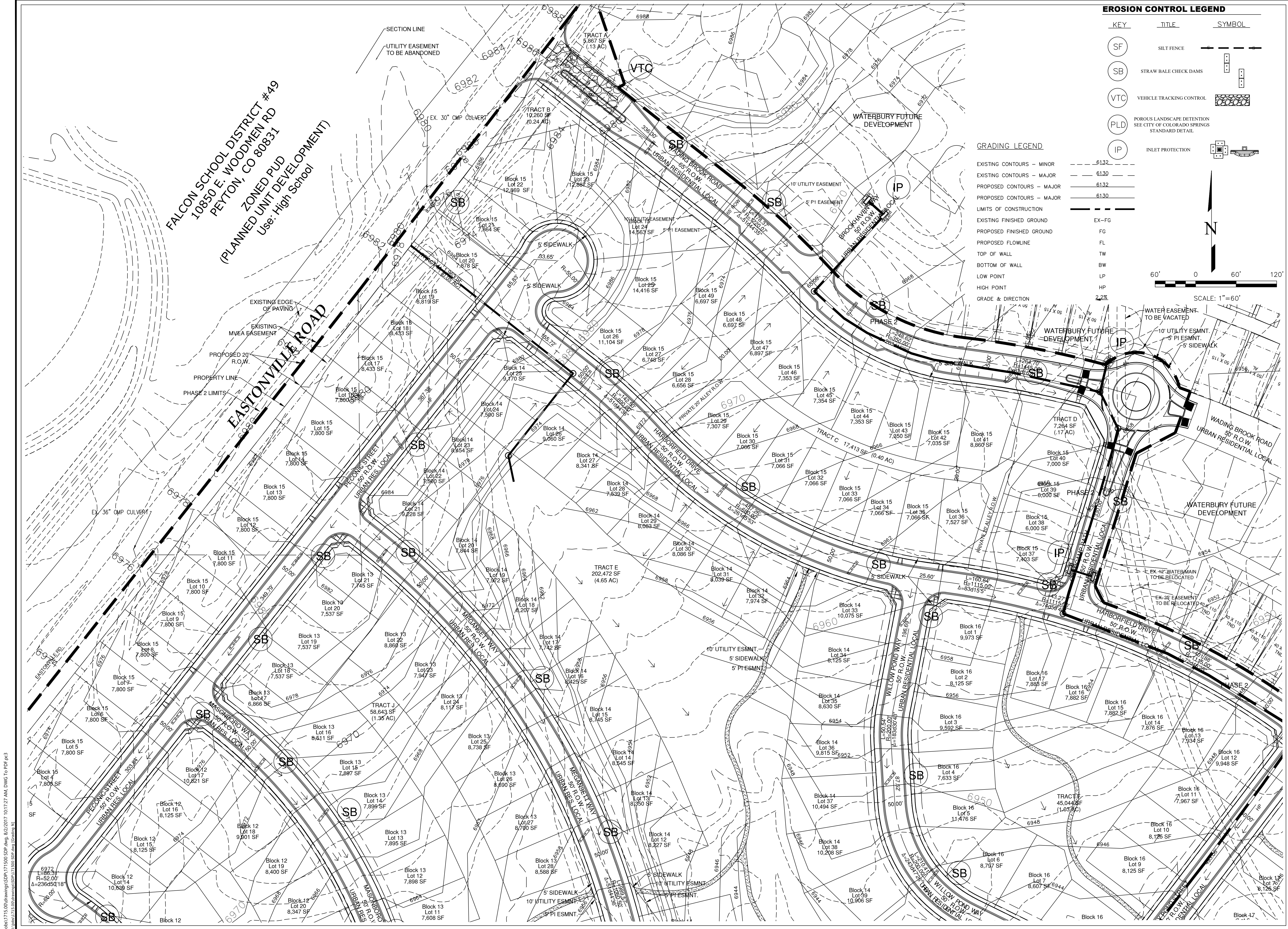
DATE: MARCH 22, 2017
DRAWN: JF
CHECKED: LD

JOB NO.: 1715.00

REVISIONS:		
DATE:	BY:	COMMENTS:

PRELIMINARY EXISTING DRAINAGE

SHEET NO. **1** OF 2 SHEETS

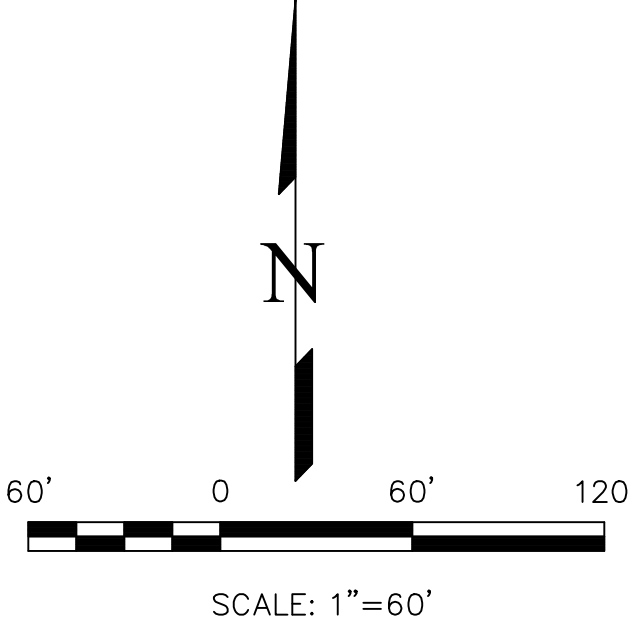


EROSION CONTROL LEGEND

KEY	TITLE	SYMBOL
SF	SILT FENCE	— — — — —
SB	STRAW BALE CHECK DAMS	— — — — —
VTC	VEHICLE TRACKING CONTROL	— — — — —
PLD	POROUS LANDSCAPE DETENTION SEE CITY OF COLORADO SPRINGS STANDARD DETAIL	— — — — —
IP	INLET PROTECTION	— — — — —

GRADING LEGEND

EXISTING CONTOURS - MINOR	6132
EXISTING CONTOURS - MAJOR	6130
PROPOSED CONTOURS - MAJOR	6132
PROPOSED CONTOURS - MAJOR	6130
LIMITS OF CONSTRUCTION	EX-FG
EXISTING FINISHED GROUND	FG
PROPOSED FINISHED GROUND	FL
PROPOSED FLOWLINE	TW
TOP OF WALL	BW
BOTTOM OF WALL	LP
LOW POINT	HP
HIGH POINT	2.2%
GRADE & DIRECTION	



123 N. WASHINGTON AVENUE
COLORADO SPRINGS, CO 80902
OFFICE: 719.542.4422
FAX: 719.542.4423

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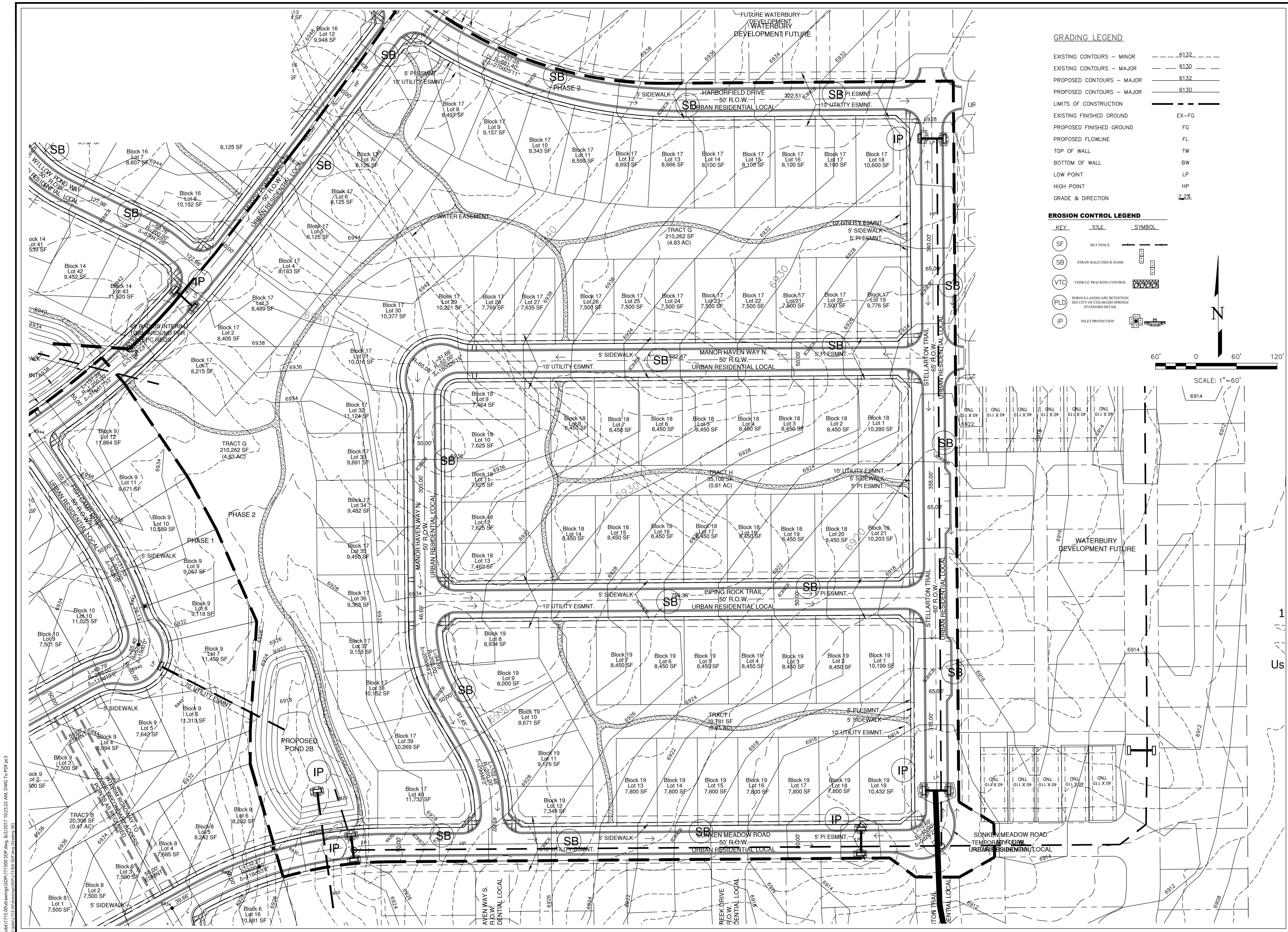
DATE: JULY 20, 2017
DRAWN: GEM/CA
CHECKED: WFG

JOB NO.: 1715.00

REVISIONS:		
DATE:	BY:	COMMENTS:

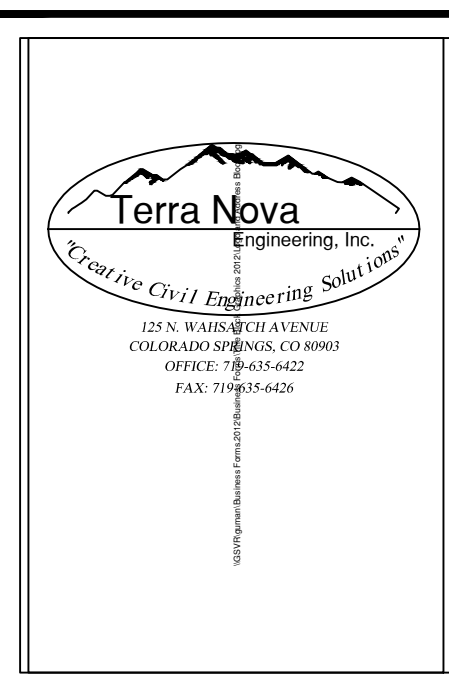
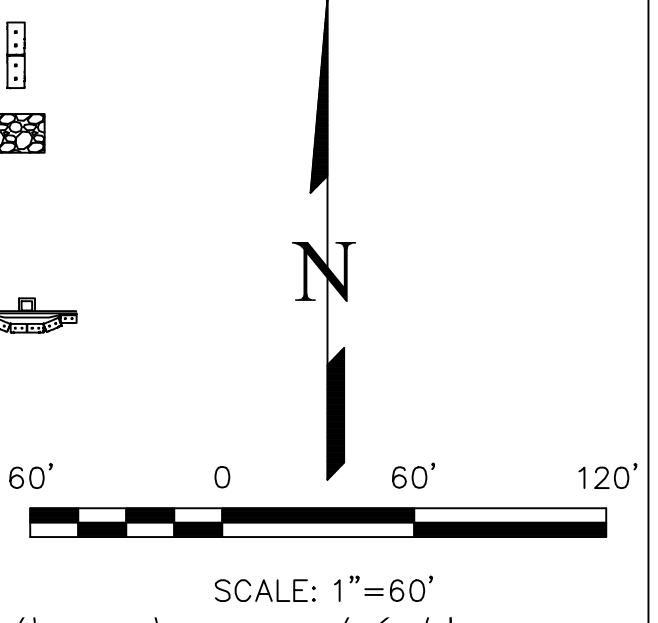
PRELIMINARY
GRADING PLAN
NORTH

SHEET NO. **7** OF 13 SHEETS



GRADING LEGEND		
EXISTING CONTOURS - MINOR	---	6132
EXISTING CONTOURS - MAJOR	---	6130
PROPOSED CONTOURS - MAJOR	---	6132
PROPOSED CONTOURS - MAJOR	---	6130
LIMITS OF CONSTRUCTION	---	
EXISTING FINISHED GROUND	---	EX-FG
PROPOSED FINISHED GROUND	---	FG
PROPOSED FLOWLINE	---	FL
TOP OF WALL	---	TW
BOTTOM OF WALL	---	BW
LOW POINT	---	LP
HIGH POINT	---	HP
GRADE & DIRECTION	---	2.2%

EROSION CONTROL LEGEND		
KEY	TITLE	SYMBOL
○ SF	SILT FENCE	---
○ SB	STRAW BALE CHECK DAMS	---
○ VTC	VEHICLE TRACKING CONTROL	---
○ PLD	POROUS LANDSCAPE DETENTION	---
○ IP	INLET PROTECTION	---



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WATERBURY

PH 2 PRELIM. GRADING AND EC PLAN

EL PASO COUNTY, CO

DATE: JULY 20, 2017
DRAWN: GEM/GA
CHECKED: WFG

REVISIONS:		
DATE:	BY:	COMMENTS:

PRELIMINARY GRADING PLAN SOUTHEAST

SHEET NO. 9 OF 13 SHEETS