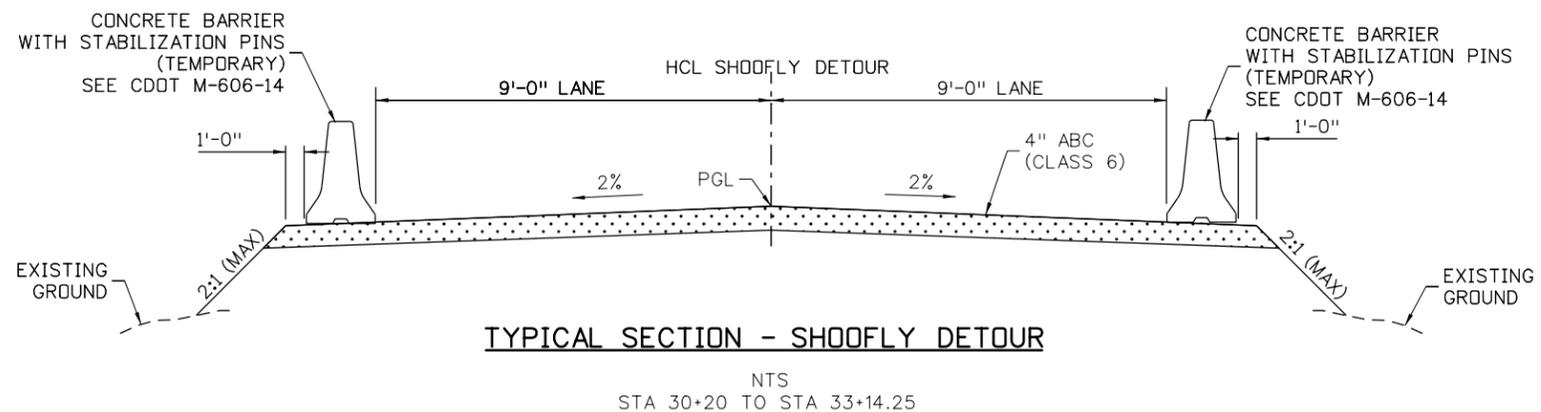
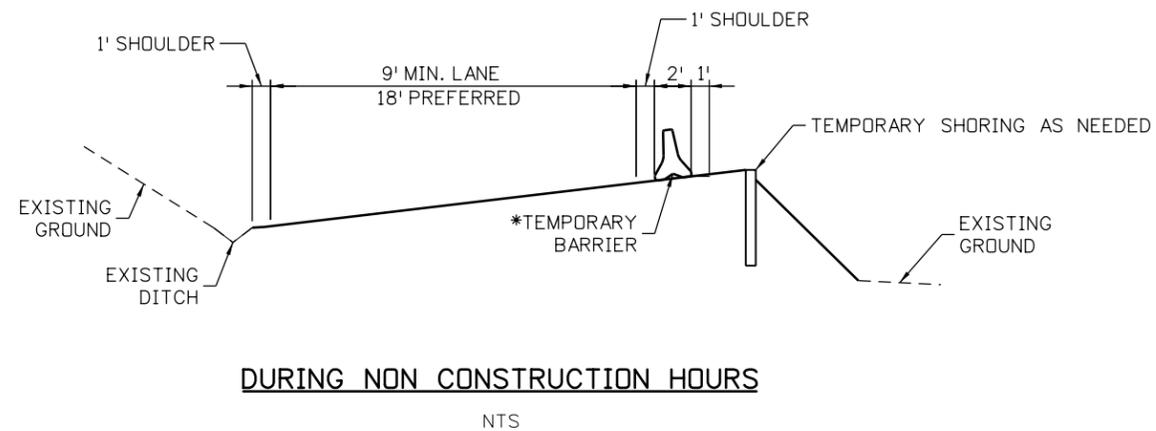
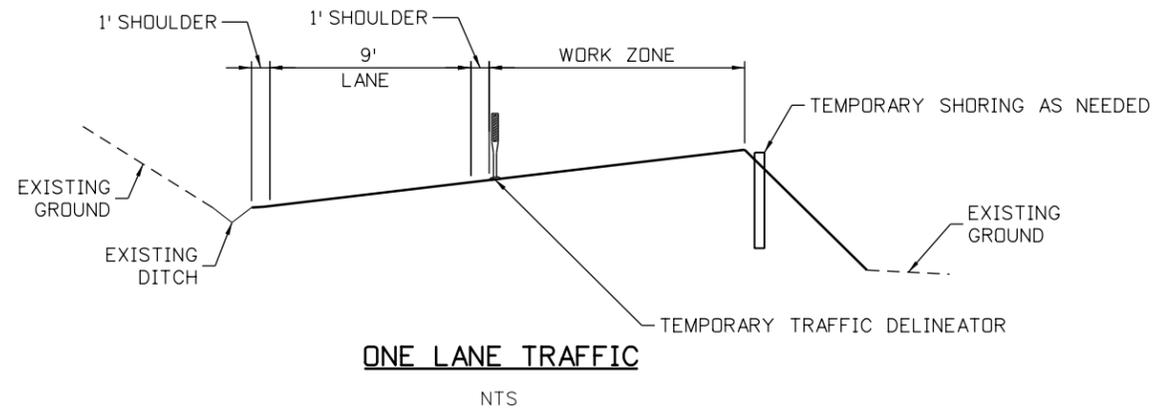


PHASING NOTES

1. THE SUGGESTED CONSTRUCTION PHASING PLANS ARE INTENDED TO BE A GUIDE AND A SUGGESTION FOR THE CONTRACTOR TO FOLLOW. THEY ARE NOT ALL INCLUSIVE AND MAY NOT REPRESENT ALL OF THE WORK ACTIVITY REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL AND METHOD OF HANDLING TRAFFIC PLANS TO THE BOULDER COUNTY ENGINEER FOR APPROVAL PRIOR TO PERFORMING WORK FOR EACH PHASE.
2. ALL TEMPORARY BARRIER AND DRUMS ARE TO BE PLACED A MINIMUM OF 1 FOOT OFF OF THE TEMPORARY BARRIER UNLESS OTHERWISE DIRECTED BY BOULDER COUNTY.
3. ROADWAY CLOSURES SHALL BE APPROVED BY BOULDER COUNTY AND NOTIFICATION OF THE PUBLIC SHALL BE PERFORMED TO MEET BOULDER COUNTY STANDARDS.
4. ALL CONSTRUCTION ACTIVITIES ARE ALLOWED BETWEEN THE HOURS OF 8:30AM AND 4PM. DURING THE HOURS OF NON CONSTRUCTION ACTIVITY, A MINIMUM OF ONE 9 FT TRAVEL LANE SHALL BE MAINTAINED AT ALL TIMES, OR AS DIRECTED BY BOULDER COUNTY.
5. THE CONTRACTOR SHALL COMPLY WITH BOULDER COUNTY, CDOT, AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR ALL TEMPORARY TRAFFIC CONTROL.
6. THE CONTRACTOR SHALL ENSURE THAT ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES. TEMPORARY BARRIER SHALL HAVE DRAINAGE SLOTS, WHERE NEEDED TO PROVIDE DRAINAGE IN THE TEMPORARY CONDITION.
7. THE CONTRACTOR SHALL MAINTAIN PRIVATE PROPERTY AND SIDE ROAD ACCESS AT ALL TIMES, UNLESS ROAD CLOSURES HAVE BEEN APPROVED BY BOULDER COUNTY AND NOTIFICATION OF THE PUBLIC THAT MEETS BOULDER COUNTY STANDARDS HAS BEEN PROVIDED.
8. CONSTRUCTION OF TEMPORARY ROAD BY FILLING IN THE ROADSIDE DITCH SHALL BE AS APPROVED BY BOULDER COUNTY. AFTER CONSTRUCTION IS COMPLETE, ALL BOULDER COUNTY APPROVED TEMPORARY DISTURBANCES SHALL BE RETURNED TO PRE CONSTRUCTION STATE.
9. ALL ELECTRIC AND TELEPHONE POLES SHOWN THE ON PLANS FOR RELOCATION SHALL BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
10. TEMPORARY SIGNAL TIMING SHALL BE APPROVED BY BOULDER COUNTY.
11. THE CONTRACTOR SHALL HAVE 2 SPARE TEMPORARY SIGNALS AVAILABLE AT ALL TIMES.
12. TEMPORARY SIGNALS SHALL BE WIRED.
13. SEE SHOOFLY PLAN AND PROFILE SHEET FOR PHASING AT LEE HILL APPROACH BRIDGE.

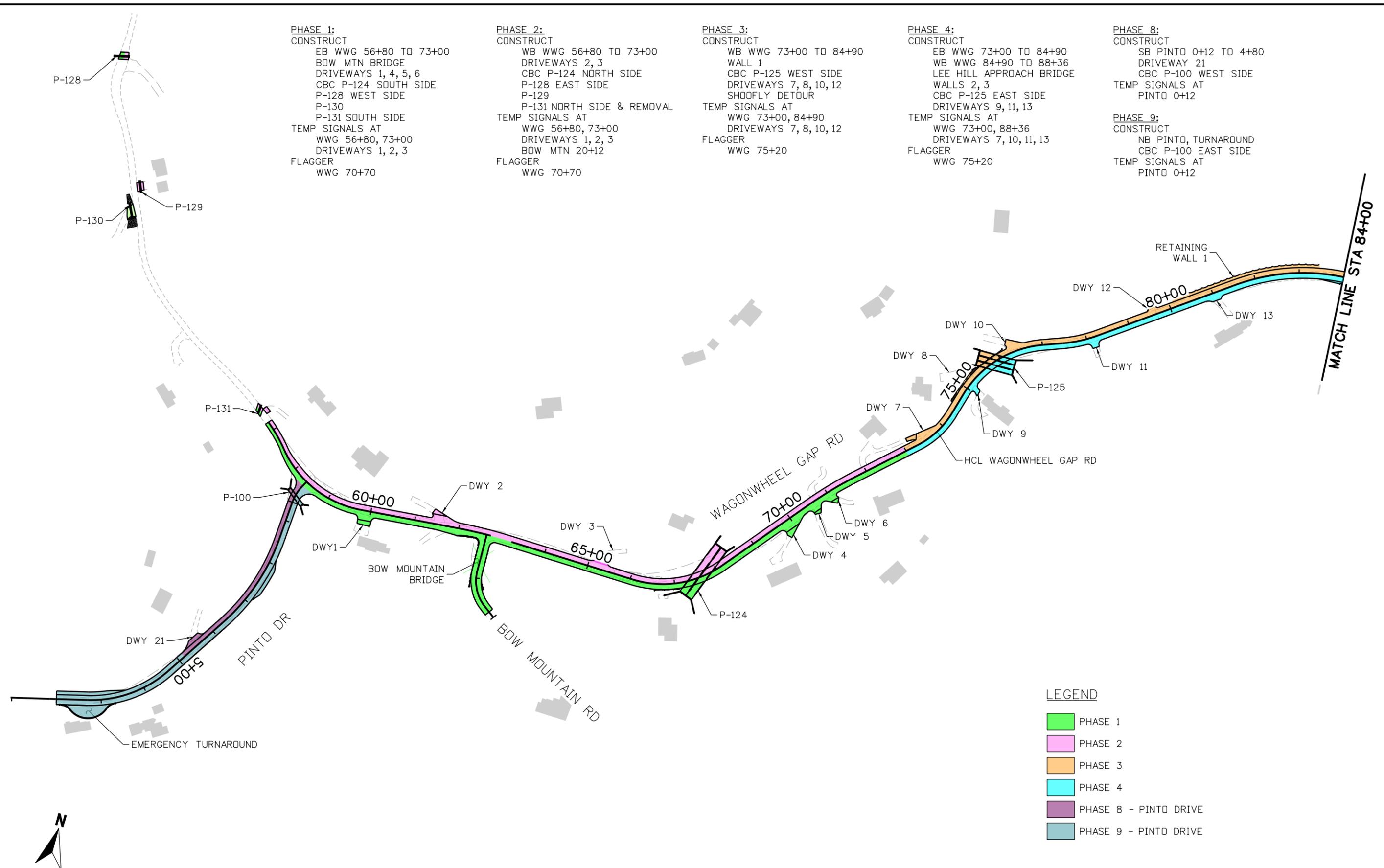


*NOTE: TRAFFIC BARRIERS TO BE USED FOR ELEVATION DIFFERENCES GREATER THAN 3 FEET. REQUIRES COUNTY PRIOR APPROVAL.

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100% SET	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS:	NO.	DATE	REVISION DESCRIPTION:	 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION 	DESIGNED:	CAD:	CHECKED:	DATE:	WAGONWHEEL GAP ROAD SUGGESTED PHASING PLAN (SHEET 1 OF 3)
							BMC	BMC	DTW	11/04/16	

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**PHASE 1:
CONSTRUCT**
 EB WVG 56+80 TO 73+00
 BOW MTN BRIDGE
 DRIVEWAYS 1, 4, 5, 6
 CBC P-124 SOUTH SIDE
 P-128 WEST SIDE
 P-130
 P-131 SOUTH SIDE
 TEMP SIGNALS AT
 WVG 56+80, 73+00
 DRIVEWAYS 1, 2, 3
 FLAGGER
 WVG 70+70

**PHASE 2:
CONSTRUCT**
 WB WVG 56+80 TO 73+00
 DRIVEWAYS 2, 3
 CBC P-124 NORTH SIDE
 P-128 EAST SIDE
 P-129
 P-131 NORTH SIDE & REMOVAL
 TEMP SIGNALS AT
 WVG 56+80, 73+00
 DRIVEWAYS 1, 2, 3
 BOW MTN 20+12
 FLAGGER
 WVG 70+70

**PHASE 3:
CONSTRUCT**
 WB WVG 73+00 TO 84+90
 WALL 1
 CBC P-125 WEST SIDE
 DRIVEWAYS 7, 8, 10, 12
 SHOOFLY DETOUR
 TEMP SIGNALS AT
 WVG 73+00, 84+90
 DRIVEWAYS 7, 8, 10, 12
 FLAGGER
 WVG 75+20

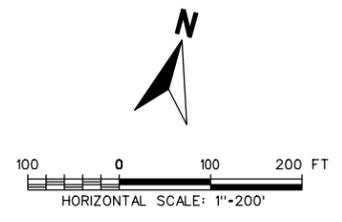
**PHASE 4:
CONSTRUCT**
 EB WVG 73+00 TO 84+90
 WB WVG 84+90 TO 88+36
 LEE HILL APPROACH BRIDGE
 WALLS 2, 3
 CBC P-125 EAST SIDE
 DRIVEWAYS 9, 11, 13
 TEMP SIGNALS AT
 WVG 73+00, 88+36
 DRIVEWAYS 7, 10, 11, 13
 FLAGGER
 WVG 75+20

**PHASE 8:
CONSTRUCT**
 SB PINTO 0+12 TO 4+80
 DRIVEWAY 21
 CBC P-100 WEST SIDE
 TEMP SIGNALS AT
 PINTO 0+12

**PHASE 9:
CONSTRUCT**
 NB PINTO, TURNAROUND
 CBC P-100 EAST SIDE
 TEMP SIGNALS AT
 PINTO 0+12

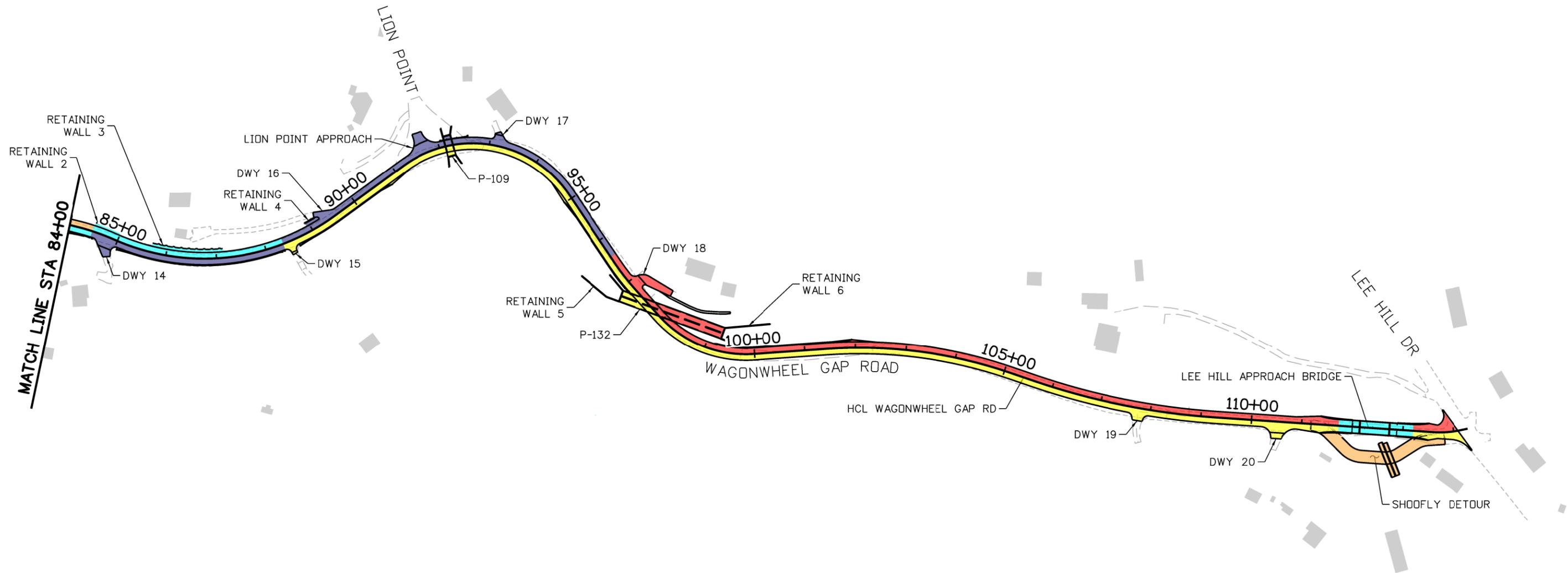
LEGEND

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 8 - PINTO DRIVE
- PHASE 9 - PINTO DRIVE



100% SET	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION 	DESIGNED:	CAD:	CHECKED:	DATE:	WAGONWHEEL GAP ROAD SUGGESTED PHASING PLAN (SHEET 2 OF 3) PROJECT NO: 4043.SEPT12C34 SHEET NO: 175
						BMC BMM SLS 11/04/16				

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**PHASE 5:
CONSTRUCT**
 EB WWG 84+90 TO 88+36
 WB WWG 88+36 TO 96+40
 LION POINT APPROACH
 WALL 4
 DRIVEWAYS 14, 16, 17
 CBC P-109 NORTH SIDE
 REMOVE SHOOFLY DETOUR
TEMP SIGNALS AT
 WWG 88+90, 96+40
 LION POINT APPROACH
 DRIVEWAYS 14, 15, 16, 17

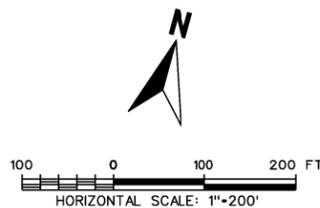
**PHASE 6:
CONSTRUCT**
 EB WWG 88+36 TO 114+09.56
 CBC P-132 WEST SIDE
 WALL 5
 DRIVEWAYS 15, 19, 20
 CBC P-109 SOUTH SIDE
TEMP SIGNALS AT
 WWG 88+36, 113+20
 DWYS 19, 20
FLAGGER
 WWG 96+90
 LEE HILL DRIVE (2 EA)
 (INTERSECTION WORK)

**PHASE 7:
CONSTRUCT**
 WB WWG 96+40 TO 114+09.56
 CBC P-132 EAST SIDE
 WALL 6
 DRIVEWAY 18
TEMP SIGNALS AT
 WWG 96+40, 113+20
 DRIVEWAYS 19, 20
FLAGGERS
 WWG 96+90
 LEE HILL DRIVE (2 EA)
 (INTERSECTION WORK)

**PHASE 10:
CONSTRUCT**
 WB & EB WWG 56+80 TO 114+09.56
 FINAL PAVEMENT MARKING

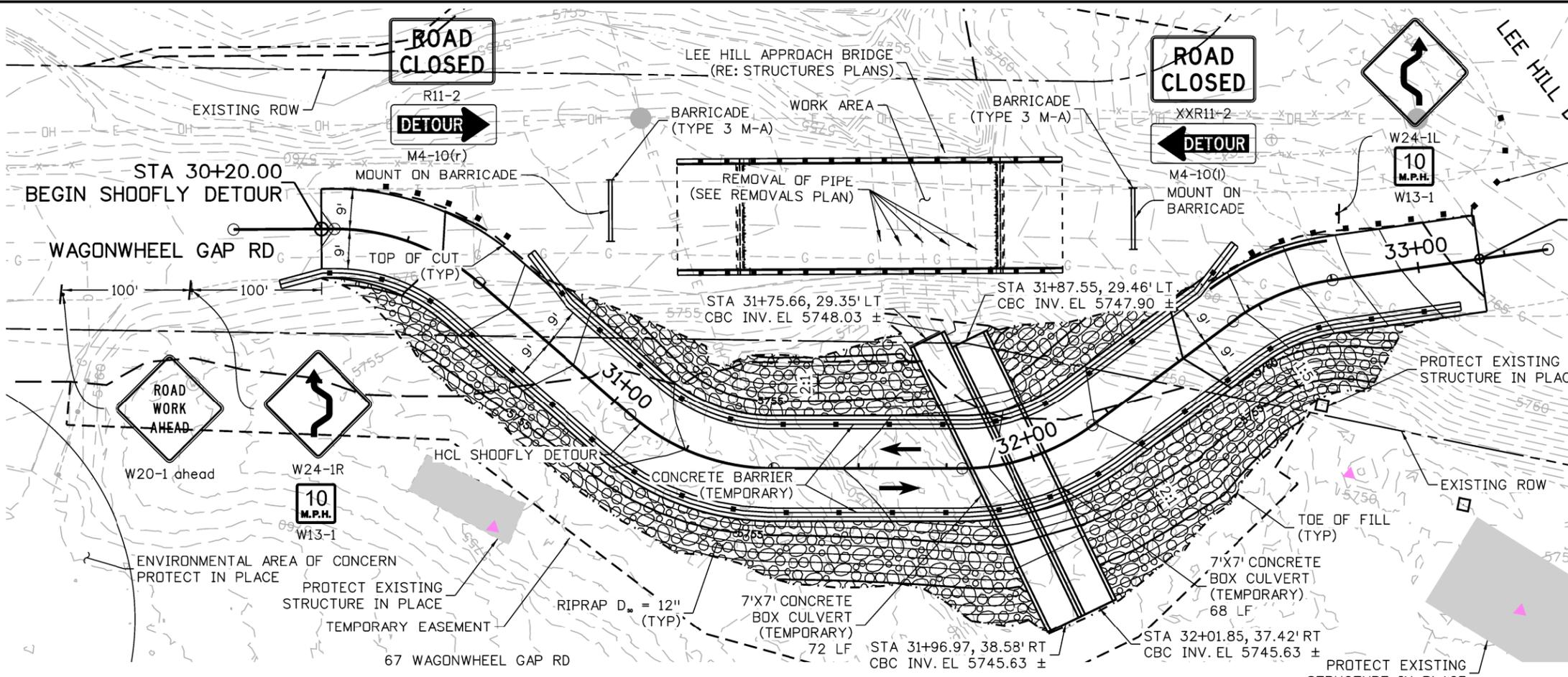
LEGEND

- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- PHASE 7

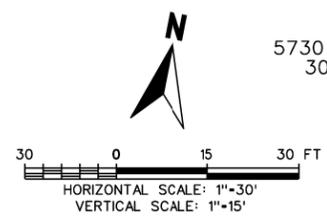
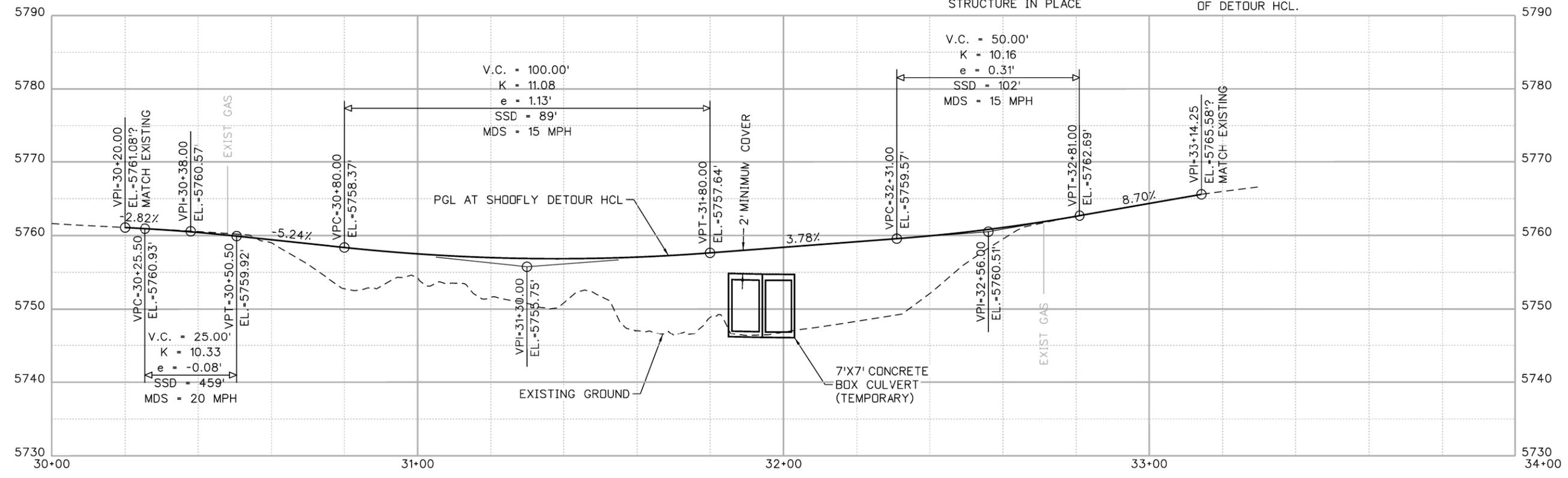


100% SET	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 5%;">DATE</th> <th style="width: 90%;">REVISION DESCRIPTION:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION Michael Baker INTERNATIONAL	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">DESIGNED:</td> <td style="width: 15%;">CAD:</td> <td style="width: 15%;">CHECKED:</td> <td style="width: 15%;">DATE:</td> </tr> <tr> <td style="text-align: center;">BMC</td> <td style="text-align: center;">BMM</td> <td style="text-align: center;">SLS</td> <td style="text-align: center;">11/04/16</td> </tr> </table>	DESIGNED:	CAD:	CHECKED:	DATE:	BMC	BMM	SLS	11/04/16	WAGONWHEEL GAP ROAD SUGGESTED PHASING PLAN (SHEET 3 OF 3) PROJECT NO: 4043.SEPT12C34 SHEET NO: 176
NO.	DATE	REVISION DESCRIPTION:																							
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- NOTES:**
- ITEM NO 621-00425 DETOUR (LS) SHALL INCLUDE ALL MATERIAL, EQUIPMENT AND LABOR NECESSARY TO CONSTRUCT THE DETOUR AS SHOWN INCLUDING TEMPORARY CONCRETE BOX CULVERTS (AVAILABLE FROM THE COUNTY), RIPRAP, EMBANKMENT MATERIAL, AGGREGATE BASE COURSE, CONCRETE BARRIERS AND ALL TEMPORARY TRAFFIC CONTROL DEVICES.
 - ALL MATERIALS CAN BE REPURPOSED ON THE PROJECT. MULTIPLE HANDLING OF MATERIALS SHALL NOT BE PAID FOR SEPERATELY BUT WILL BE INCLUDED IN THE COST OF WORK.
 - CONCRETE BARRIER (TEMPORARY) SHALL BE TYPE 7 WITH TEMPORARY STABILIZATION PINS.
 - PROPOSED SIGNING AND TRAFFIC CONTROL DEVICE LOCATIONS AND SPACING ARE APPROXIMATE. EXACT PLACEMENT WILL BE DEPENDENT ON SITE CONDITIONS.
 - EXISTING PIPES SHALL NOT BE REMOVED UNTIL TEMPORARY BOX CULVERTS ARE IN PLACE AND FUNCTIONAL.
 - SEE GEOMETRIC LAYOUT SHEETS FOR LAYOUT OF DETOUR HCL.



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						Michael Baker INTERNATIONAL	BMC	BMC	DTW	

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NON-STRUCTURAL BMP's that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

Application, BMP/Control Measure	Narrative	M-Standard/Non-Standard	In Use On Site	BMP/Control Measure To Be Located By SWMP Administrator	Installation BMP/Control Measure Pre-Construction	BMP/Control Measure Phasing		
						First/Initial Construction Activities	Interim Construction Activities	Permanent Stabilization
<i>Vegetative Buffer Strip Fence (plastic)</i>	Filter sediment laden runoff from disturbed area. Area to be identified for preservation prior to construction starting.							
<i>Landform (ECS shall add locations to SWMP site maps)</i>	Existing landforms may be used as a BMP if they prevent sediment from entering or leaving the disturbance area. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion.							
<i>Topsoil Management Stockpile/Salvage Windrow or stockpile</i>	Prior to embankment work commencing, existing topsoil shall be scraped to a depth of 4 inches, and placed in stockpiles or windrows. Upon completion of slope working/final grading (less 4 inches), topsoil shall be evenly distributed over embankment to a depth of 4 inches.					X	X	
<i>Surface Roughening/Grading Techniques</i> blading, backhoe, dozing, combination loader	Temporary stabilization of disturbance and to minimize wind and erosion.							
<i>Seeding (Temporary)</i>	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.							
<i>Bonded Fiber Matrix/Hydraulic Mulch</i>	Not to be used in areas of concentrated flows, i.e. ditch lines. To be used in combination with surface roughening for temporary stabilization of disturbed soils, when work is temporarily halted and as approved by the Engineer. May be used as surface cover for temporary topsoil stockpiles							
<i>Mulch/Mulch Tackifier</i>	Temporary or Final Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer.						X	X
<i>Spray-On Mulch Blanket</i> (not to be used in areas of concentrated flows, i.e. ditch lines.)	Temporary or Final Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer.							
<i>Seeding Permanent</i>	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.						X	X
<i>Soil Retention Blanket (SRB)</i>	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.	M-216					X	X
<i>Turf Reinforcement Mat (TRM)</i>	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Placed in channels or on slopes for erosion control, channel liner and seeding establishment.	M-216					X	X
<i>Other</i>								

12. Tabulation Of Stormwater Quantities

A. BMP/Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other BMP/Control Measure maintenance shall be included in the cost of the BMP/Control Measure.

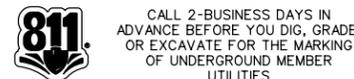
B. It is estimated that [XXX] hours of labor, blading (X horsepower), dozing (X horsepower), combination loader (X horsepower) and/or backhoe (X horsepower) may be required for miscellaneous erosion control work as directed by the Engineer. Work shall be paid for as: [Select appropriate pay item, delete references to others] 203 Labor, 203 Blading, 203 Dozing, 203 Combination Loader or 203 Backhoe.

C. Establishment of seeded areas shall be paid for as: [FA Erosion Control, 212 Seeding (native), 214 Landscape Maintenance Lump Sum, 203 Labor Hours, or included in the price of the work.] This shall include mowing, weed control, reseeding/mulch/tackifier.

PAY ITEM	DESCRIPTION	UNIT	PLAN QUANTITY	*BID QUANTITY
207-00205	Topsoil	CY	4,912	5,158
208-00002	Erosion Log (12 Inch)	LF	1,508	1,553
208-00020	Silt Fence	LF	2,123	2,187
208-00040	Check Dam	EACH	4	4
208-00045	Concrete Washout Structure	EACH	6	6
208-00070	Vehicle Tracking Pad	EACH	3	3
208-00103	Removal and Disposal of Sediment (Labor)	HOURL	20	20
208-00105	Removal and Disposal of Sediment (Equipment)	HOURL	20	20
208-00206	Erosion Control Supervisor	DAY	80	80
212-00006	Seeding (Native)	ACRE	6.09	6.4
212-00022	Seeding (Riparian)	ACRE	0.01	0.1
212-00032	Soil Conditioning	ACRE	6.09	6.4
213-00004	Mulching (Weed Free Straw)	ACRE	6.09	6.4
213-00061	Mulch Tackifier	LB	1,218	1,254
216-00022	Soil Retention Blanket (Class 2)	SY	7,768	8,156
216-00303	Turf Reinforcement Mat (Class 3)	SY	802	842
217-00020	Herbicide Treatment	HOURL	20	20
240-00000	Wildlife Biologist	HOURL	20	20
240-00010	Removal of Nests	HOURL	30	30
620-00020	Sanitary Facility	EACH	6	6
700-70380	F/A Erosion Control	F A	1	1

*It is anticipated that additional BMPs/Control Measures and BMP/Control Measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond their useful service life, see subsection 208.03 and 208.04. Quantities for all BMPs/Control Measures shown above are estimated, and have been increased for unforeseen conditions and normal BMP/Control Measure life expectancy. Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used.

100% SET



NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
Michael Baker INTERNATIONAL

DESIGNED: **JLW** CAD: **EMR** CHECKED: **SLS** DATE: **11/04/16**

WAGONWHEEL GAP ROAD
SWAMP PLAN - GENERAL
(SHEET 4 OF 5)

PROJECT NO: 4043.SEPT12C34 SHEET NO: 181

13. Biological Impacts

A. ENVIRONMENTAL IMPACTS:

- 1. Wetland Impacts: YES
- 2. Stream Impacts: YES
- 3. Threatened Endangered Species: YES
- 4. Permits Required or Additional Action Needed: A 404 Permit will be required

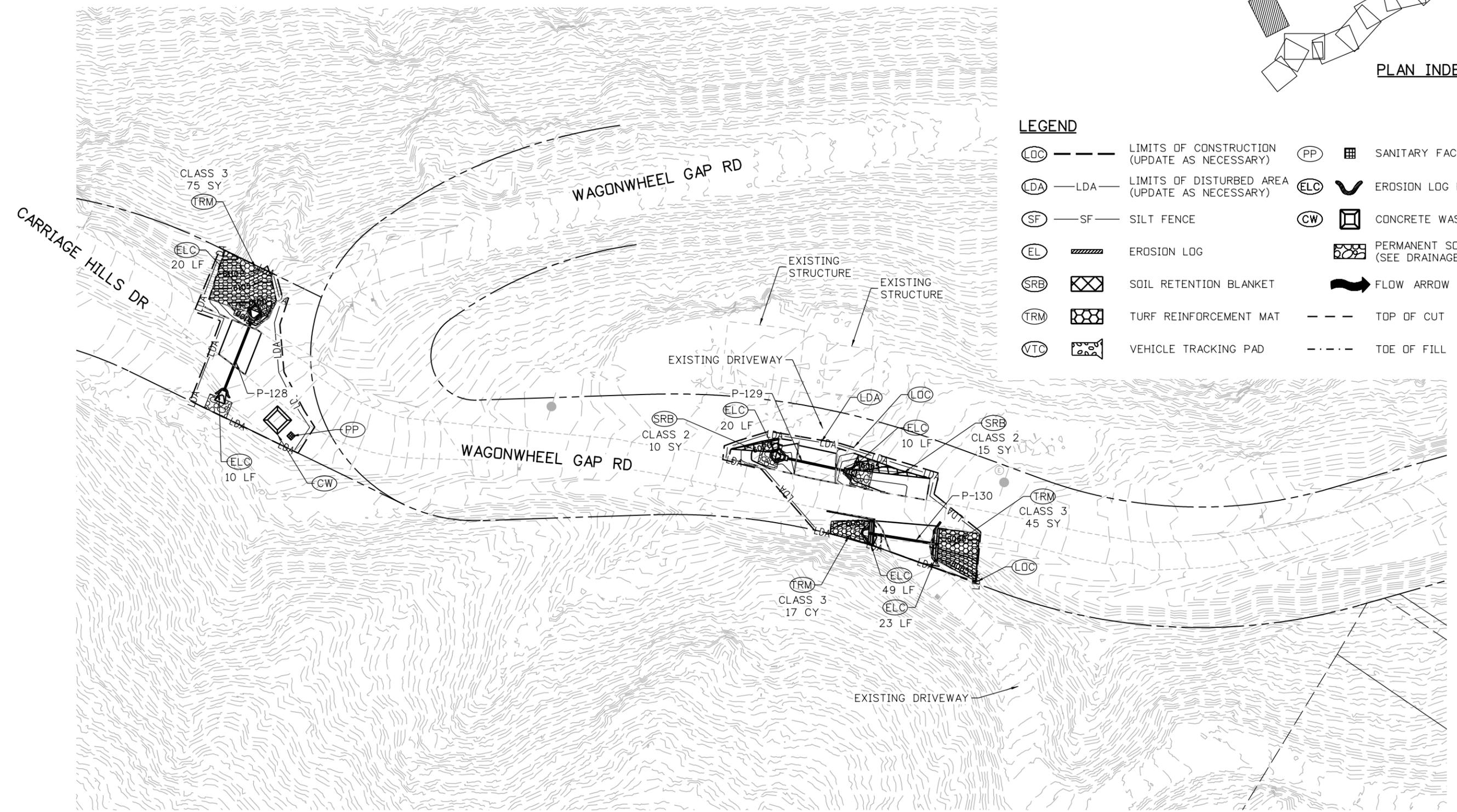
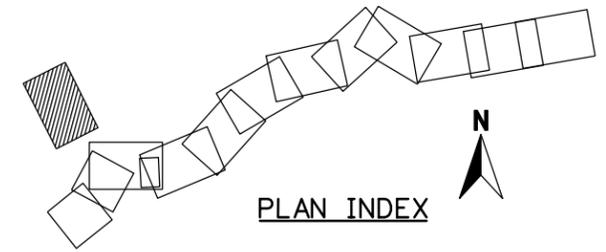
14. Notes

1. See CDDT M-208-1 for all BMP names and details.
2. See drainage plans for details of permanent drainage facilities.
3. All BMP's are during construction unless otherwise noted.
4. Vehicle tracking pad shall be installed at all site access points. Staging area concrete washout structures (CWS) shall be installed at all staging areas.
5. All disturbed areas within the limits of disturbed area shall be surfaced roughened, seeded, and mulched upon completion of final grade.
6. Surface roughening shall be in accordance with CDDT Standard Specification 208.05. Payment for surface roughening shall be included in the cost of the earthwork item and no separate payment shall be made.
7. See SWMP Standard note Sheets for additional information regarding the implementation of all structural and non-structural BMP's.
8. All existing inlets and proposed/newly constructed inlets in project area shall have erosion log (12") inlet protection for the duration of the project or until taken out of service, or as directed by the Project Engineer.
9. All BMP's shall be constructed per M-208-1.
10. Soil Retention Blanket (SRB) shall be at minimum of the type and class noted on the plans.

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100% SET	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS:	NO.	DATE	REVISION DESCRIPTION:	 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION Michael Baker INTERNATIONAL	DESIGNED:	CAD:	CHECKED:	DATE:	WAGONWHEEL GAP ROAD SWMP PLANS - GENERAL (SHEET 5 OF 5) PROJECT NO: 4043.SEPT12C34 SHEET NO: 182
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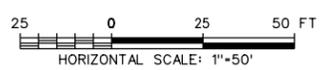
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LEGEND

- (LOC) --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
- (LDA) --- LDA --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
- (SF) --- SF --- SILT FENCE
- (EL) --- EROSION LOG
- (SRB) --- SOIL RETENTION BLANKET
- (TRM) --- TURF REINFORCEMENT MAT
- (VTC) --- VEHICLE TRACKING PAD
- (PP) --- SANITARY FACILITY
- (ELC) --- EROSION LOG FOR CULVERT
- (CW) --- CONCRETE WASHOUT STRUCTURE
- PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
- FLOW ARROW
- TOP OF CUT
- TOE OF FILL

NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
 2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.



100% SET

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



REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

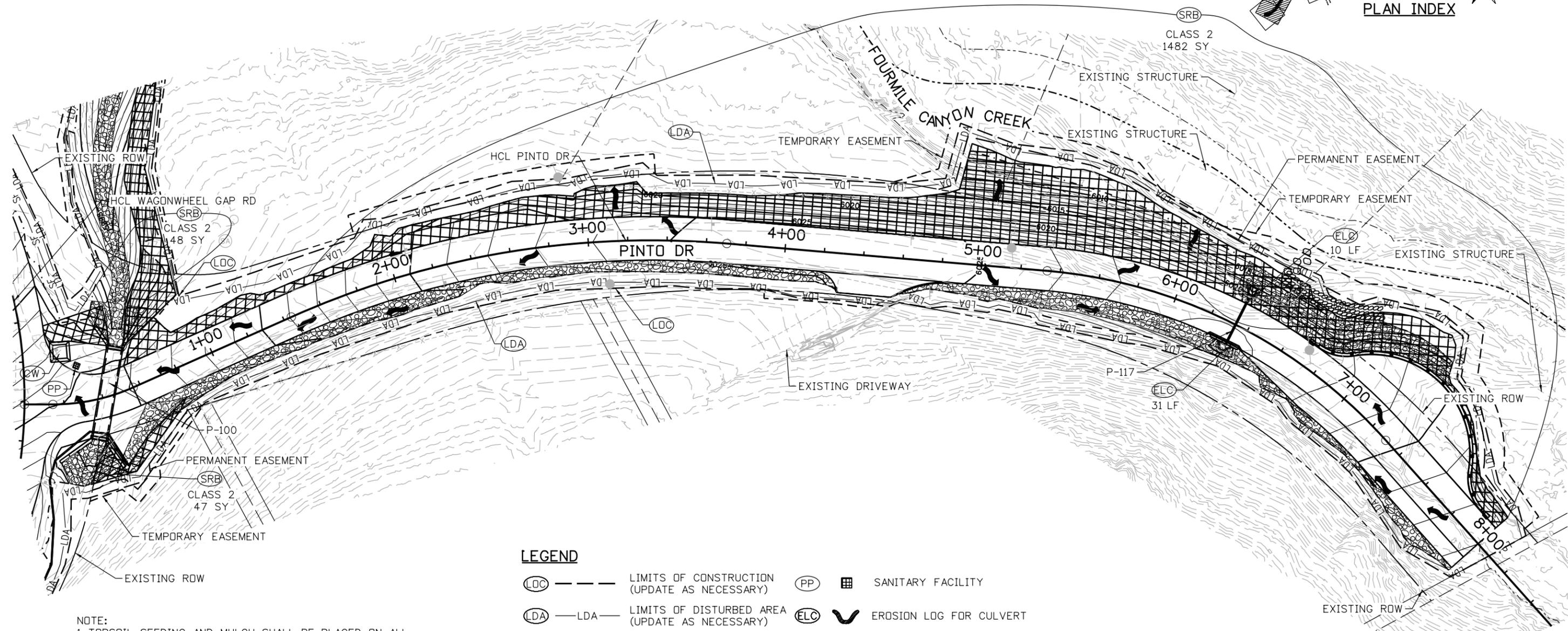
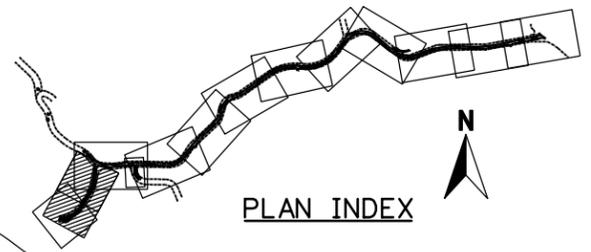


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
Michael Baker INTERNATIONAL

DESIGNED:	CAD:	CHECKED:	DATE:
JLW	EMR	SLS	11/04/16

CARRIAGE HILLS DRIVE SWMP PLAN (SHEET 1 OF 1)
 PROJECT NO: 4043.SEPT12C34 SHEET NO: 183

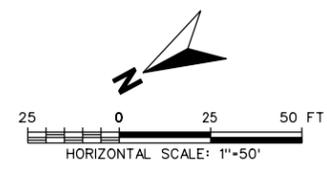
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NOTE:
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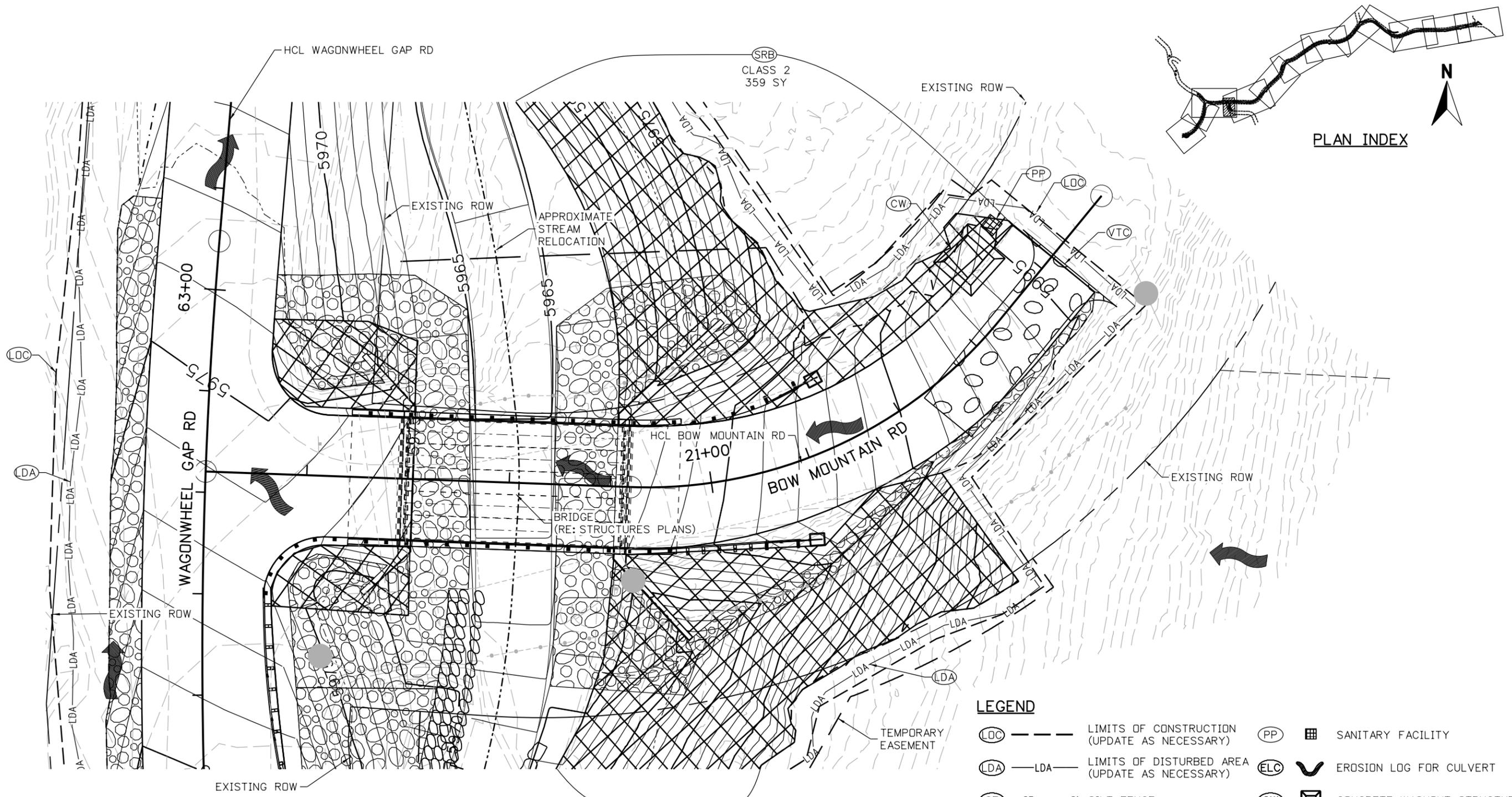
LEGEND

- (LDC) --- LDC --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
- (LDA) --- LDA --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
- (SF) --- SF --- SILT FENCE
- (EL) --- EL --- EROSION LOG
- (SRB) --- SRB --- SOIL RETENTION BLANKET
- (TRM) --- TRM --- TURF REINFORCEMENT MAT
- (VTC) --- VTC --- VEHICLE TRACKING PAD
- (PP) --- PP --- SANITARY FACILITY
- (ELC) --- ELC --- EROSION LOG FOR CULVERT
- (CW) --- CW --- CONCRETE WASHOUT STRUCTURE
- PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
- FLOW ARROW
- TOP OF CUT
- TOE OF FILL



100% SET	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p> <p>Michael Baker INTERNATIONAL</p>	DESIGNED:	CAD:	CHECKED:	DATE:
						JLW EMR SLS 11/04/16			
					PROJECT NO: 4043.SEPT12C34		SHEET NO: 184		

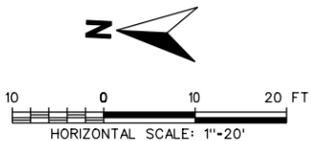
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NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
 2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.

LEGEND

- (LDC) --- LDC --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
- (LDA) --- LDA --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
- (SF) --- SF --- SF SILT FENCE
- (EL) [hatched] EROSION LOG
- (SRB) [cross-hatched] SOIL RETENTION BLANKET
- (GRC) [stippled] GEOTEXTILE EROSION CONTROL
- (VTC) [dotted] VEHICLE TRACKING PAD
- (PP) [grid] SANITARY FACILITY
- (ELC) [V-shape] EROSION LOG FOR CULVERT
- (CW) [square] CONCRETE WASHOUT STRUCTURE
- [stippled] PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
- [arrow] FLOW ARROW
- --- TOP OF CUT
- - - - - TOE OF FILL



100% SET

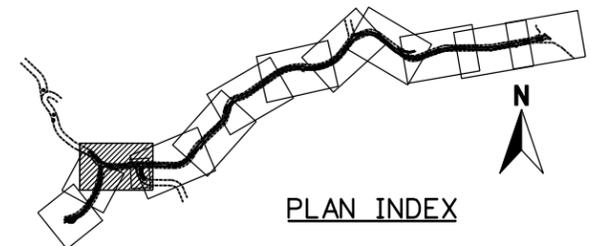
CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

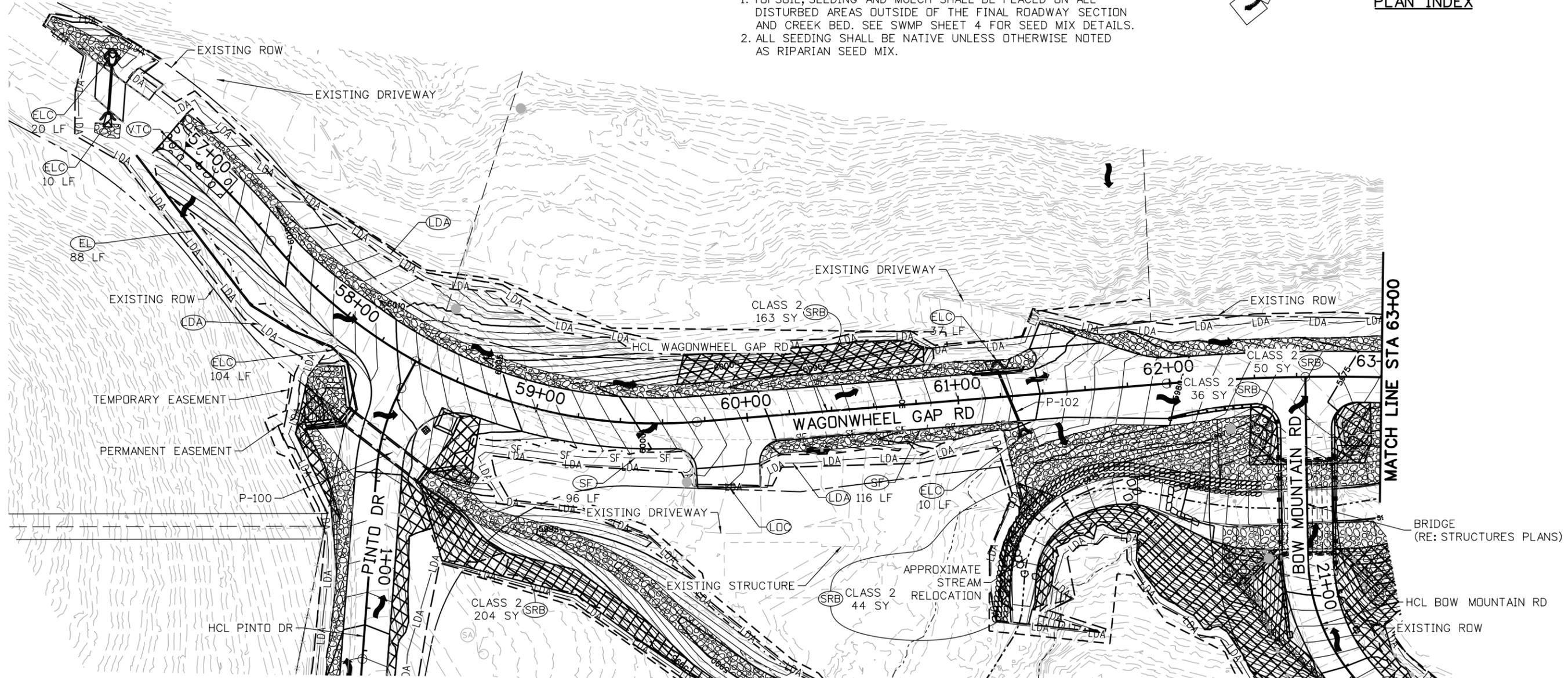
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
Michael Baker INTERNATIONAL

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
DESIGNED: JLW **CAD: EMR** **CHECKED: SLS** **DATE: 11/04/16**
 PROJECT NO: 4043.SEPT12C34 SHEET NO: 185

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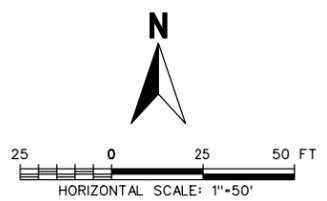


NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP SHEET 4 FOR SEED MIX DETAILS.
 2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.



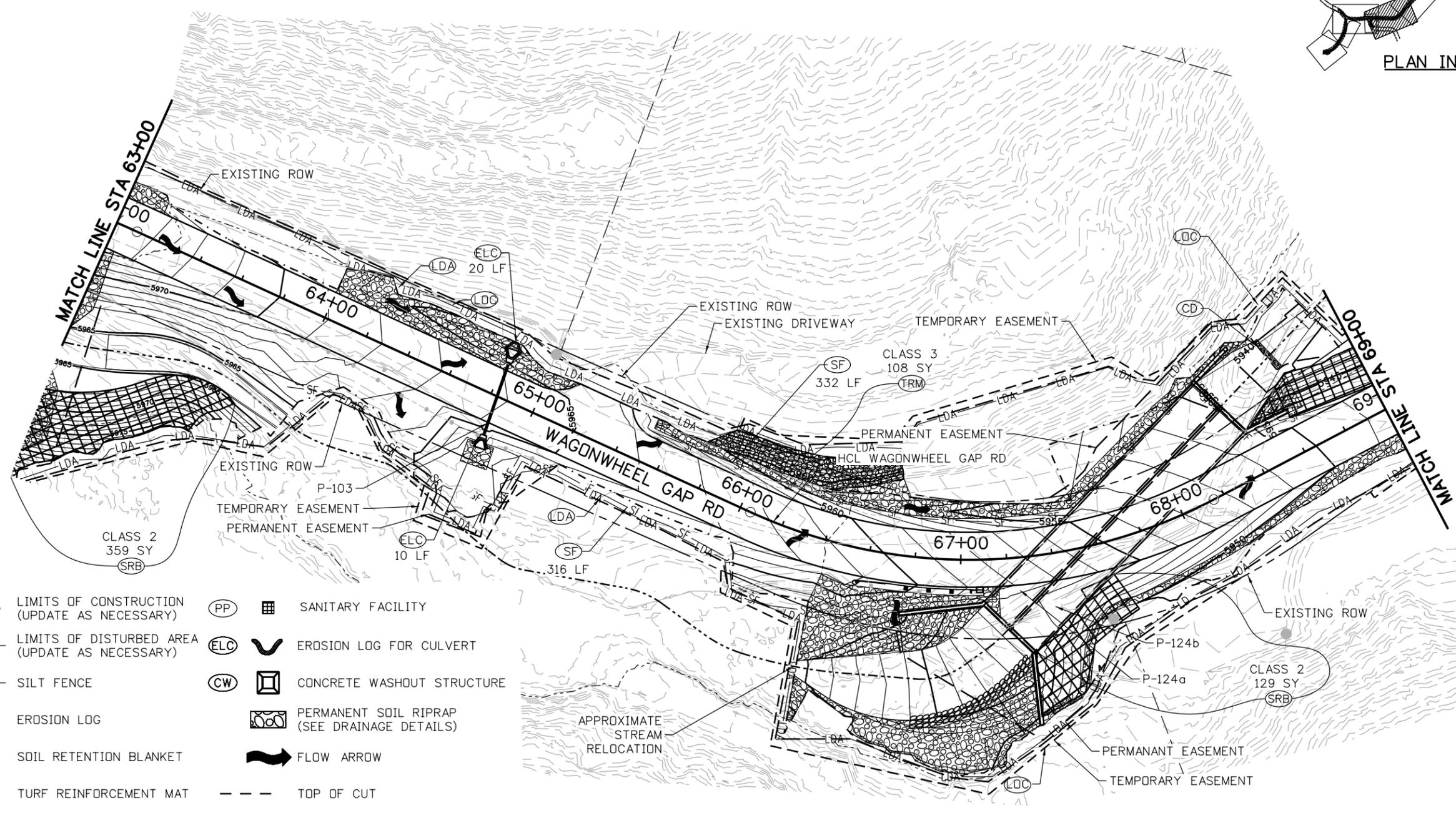
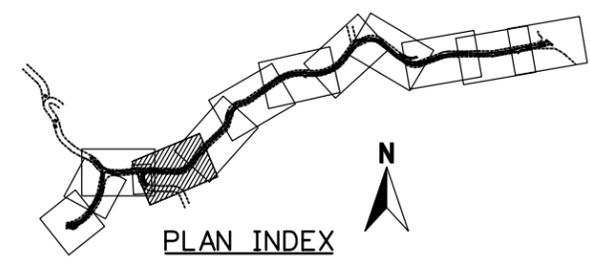
LEGEND

- | | | | |
|-------------------|--|----------------|--|
| (LDC) --- LDC --- | LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY) | (PP) [Symbol] | SANITARY FACILITY |
| (LDA) --- LDA --- | LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY) | (ELC) [Symbol] | EROSION LOG FOR CULVERT |
| (SF) --- SF --- | SILT FENCE | (CW) [Symbol] | CONCRETE WASHOUT STRUCTURE |
| (EL) [Symbol] | EROSION LOG | [Symbol] | PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS) |
| (SRB) [Symbol] | SOIL RETENTION BLANKET | (TRM) [Symbol] | TURF REINFORCEMENT MAT |
| | | (VTC) [Symbol] | VEHICLE TRACKING PAD |
| | | [Symbol] | TOP OF CUT |
| | | [Symbol] | TOE OF FILL |
| | | [Symbol] | FLOW ARROW |



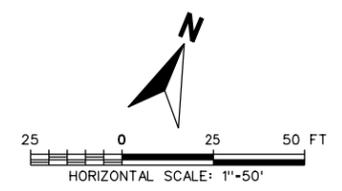
100% SET	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION Michael Baker INTERNATIONAL	DESIGNED: JLW	CAD: EMR	CHECKED: SLS	DATE: 11/04/16	WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 1 OF 10) PROJECT NO: 4043.SEPT12C34 SHEET NO: 186
		REVISIONS:	NO.	DATE		REVISION DESCRIPTION:				

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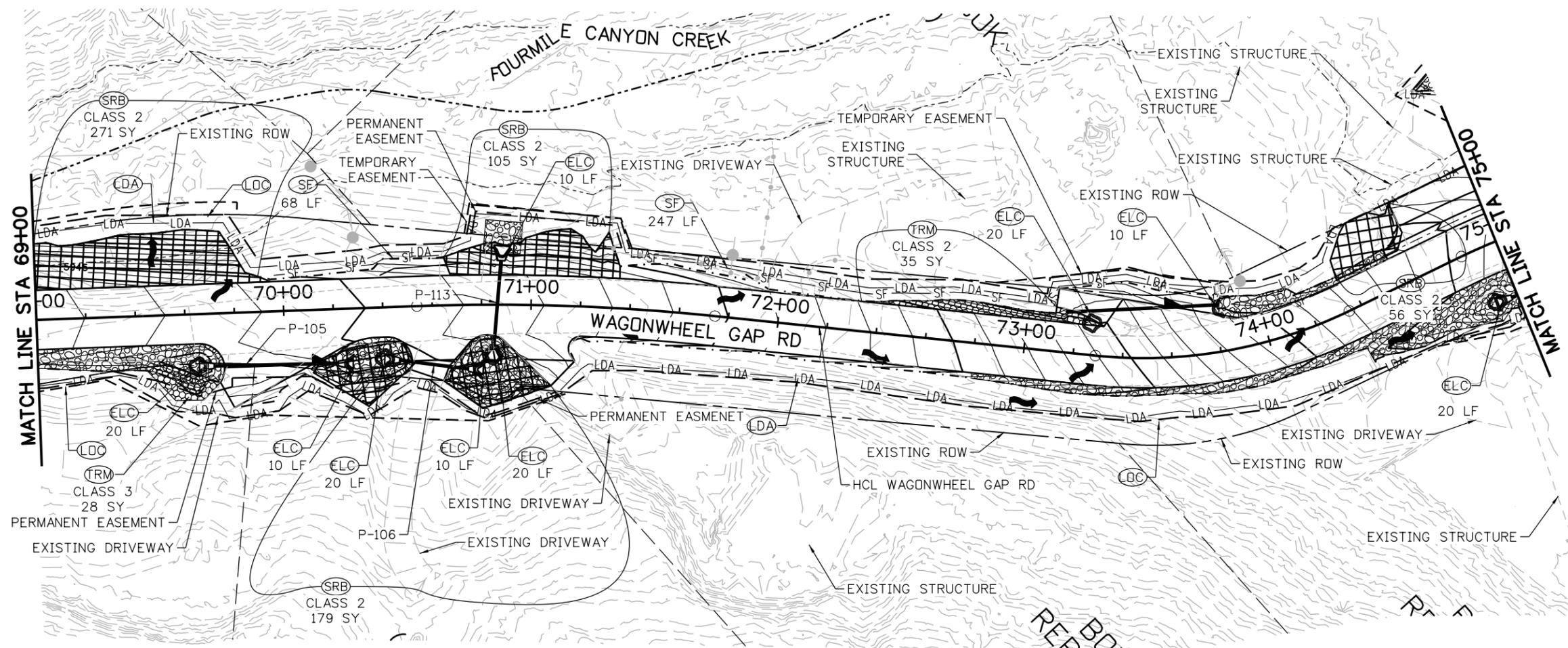
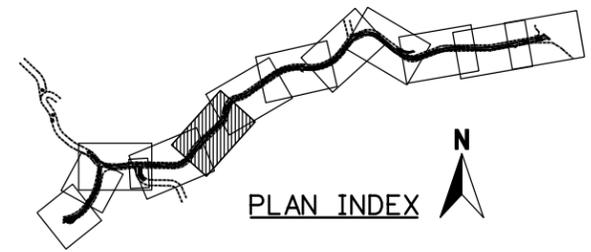
- LEGEND**
- (LDC) --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
 - (LDA) --- LDA --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
 - (SF) --- SF --- SILT FENCE
 - (EL) --- EROSION LOG
 - (SRB) --- SOIL RETENTION BLANKET
 - (TRM) --- TURF REINFORCEMENT MAT
 - (VTC) --- VEHICLE TRACKING PAD
 - (PP) --- SANITARY FACILITY
 - (ELC) --- EROSION LOG FOR CULVERT
 - (CW) --- CONCRETE WASHOUT STRUCTURE
 - (SRB) --- PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
 - (CD) --- CHECK DAM
 - TOP OF CUT
 - - - - - TOE OF FILL
 - FLOW ARROW

NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
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100% SET	 CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										 BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION Michael Baker INTERNATIONAL	DESIGNED: JLW CAD: EMR CHECKED: SLS DATE: 11/04/16	WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 2 OF 10) PROJECT NO: 4043.SEPT12C34 SHEET NO: 187
NO.	DATE	REVISION DESCRIPTION:															

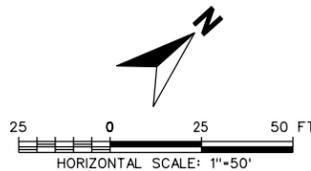
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LEGEND

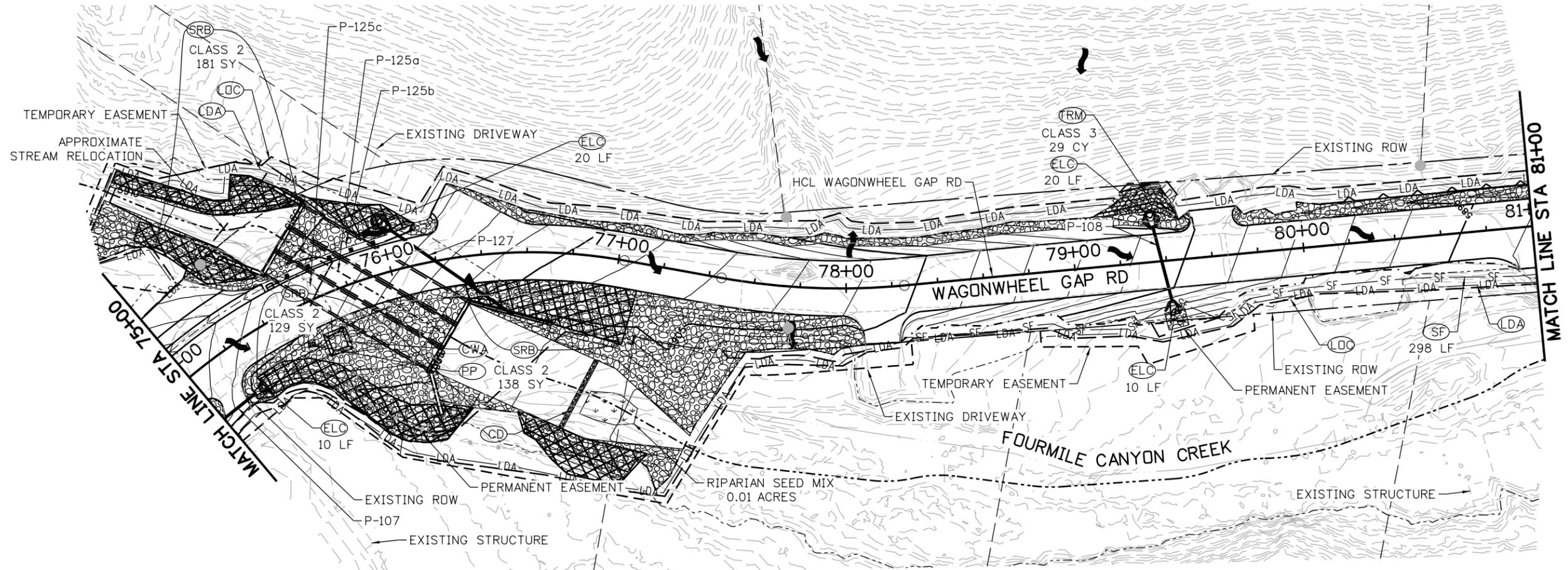
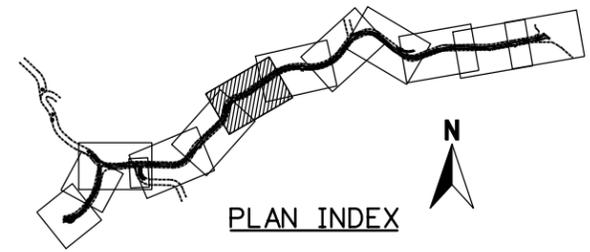
- (LDC) --- LDC --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
- (LDA) --- LDA --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
- (SF) --- SF --- SILT FENCE
- (EL) [hatched] EROSION LOG
- (SRB) [cross-hatched] SOIL RETENTION BLANKET
- (TRM) [stippled] TURF REINFORCEMENT MAT
- (VTC) [dotted] VEHICLE TRACKING PAD
- (PP) [grid] SANITARY FACILITY
- (ELC) [V-shape] EROSION LOG FOR CULVERT
- (CW) [square] CONCRETE WASHOUT STRUCTURE
- [stippled] PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
- [arrow] FLOW ARROW
- --- TOP OF CUT
- --- TOE OF FILL

NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
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100% SET	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p> <p>Michael Baker INTERNATIONAL</p>	DESIGNED: JLW CAD: EMR CHECKED: SLS DATE: 11/04/16	<p>WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 3 OF 10)</p> <p>PROJECT NO: 4043.SEPT12C34 SHEET NO: 188</p>
NO.	DATE	REVISION DESCRIPTION:															

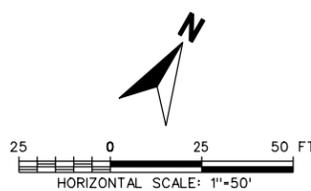
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LEGEND

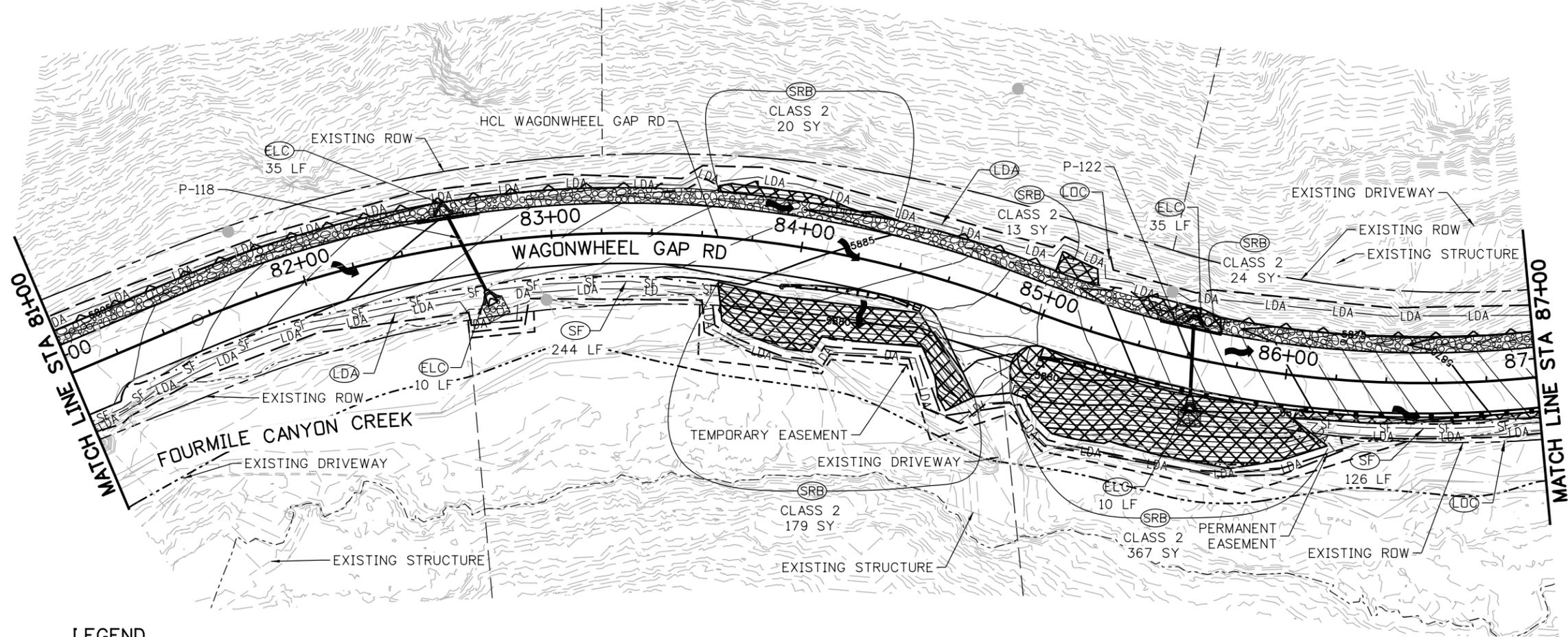
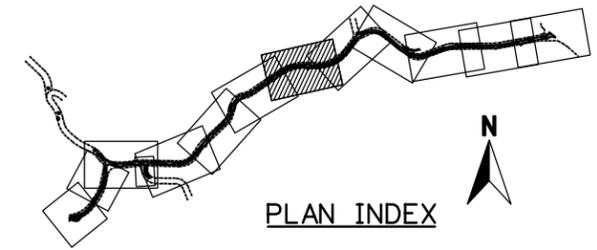
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|---------------|--|-----------|--|
| (LDC) - - - - | LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY) | (CD) ——— | CHECK DAM |
| (LDA) —LDA— | LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY) | (PP) [] | SANITARY FACILITY |
| (SF) —SF—SF | SILT FENCE | (ELC) [] | EROSION LOG FOR CULVERT |
| (EL) [] | EROSION LOG | (CW) [] | CONCRETE WASHOUT STRUCTURE |
| (SRB) [] | SOIL RETENTION BLANKET | [] | PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS) |
| (TRM) [] | TURF REINFORCEMENT MAT | [] | FLOW ARROW |
| (VTC) [] | VEHICLE TRACKING PAD | - - - - | TOP OF CUT |
| | | - · - · - | TOE OF FILL |

NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
 2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.



100% SET	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	REVISIONS:	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION Michael Baker INTERNATIONAL	DESIGNED:	CAD:	CHECKED:	DATE:	WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 4 OF 10) PROJECT NO: 4043.SEPT12C34 SHEET NO: 189
							JLW	EMR	SLS	11/04/16	

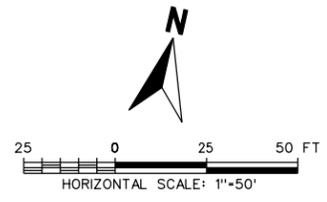
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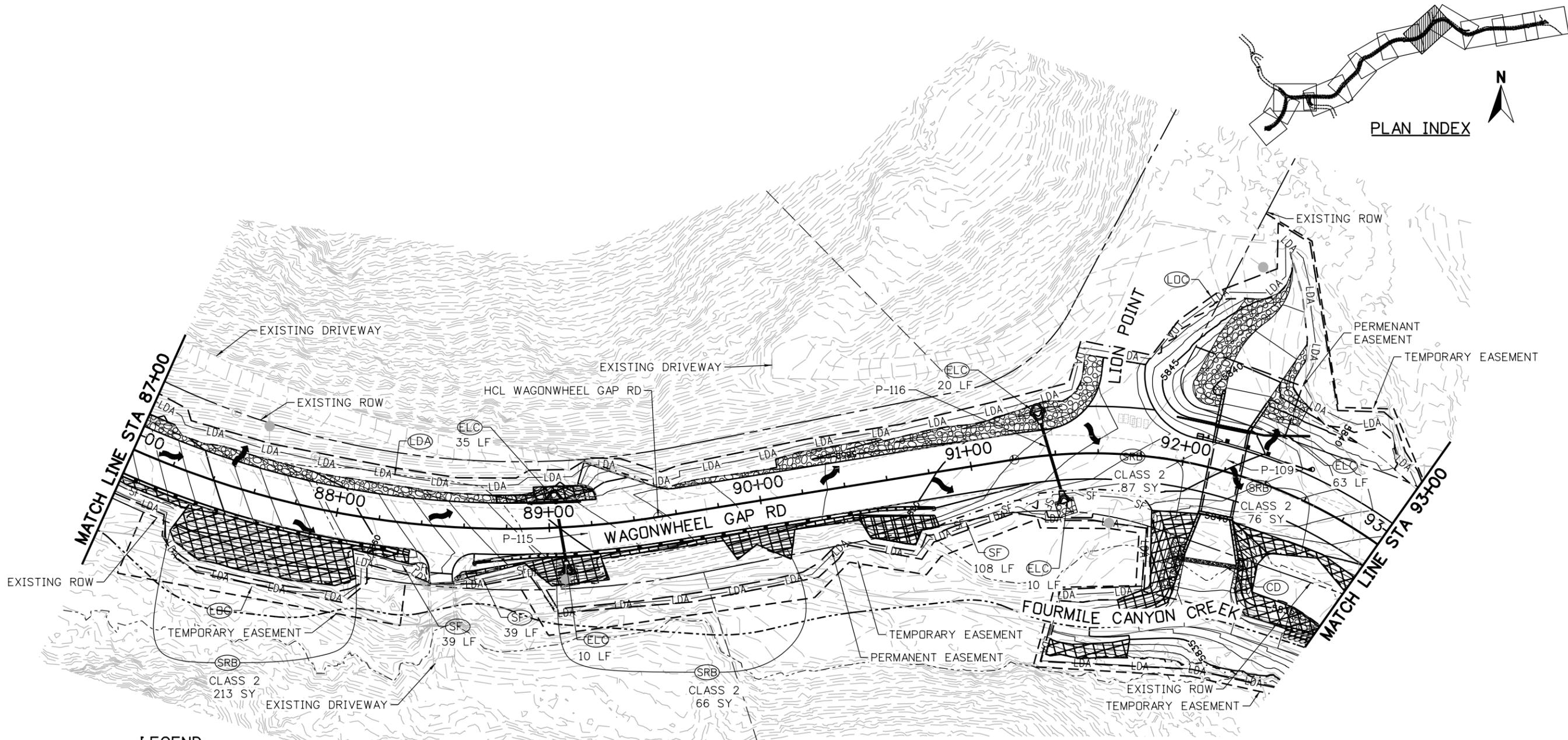
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| (LDC) --- | LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY) | (PP) [Grid Pattern] | SANITARY FACILITY |
| (LDA) ---LDA--- | LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY) | (ELC) [V-shape] | EROSION LOG FOR CULVERT |
| (SF) ---SF--- | SILT FENCE | (CW) [Square] | CONCRETE WASHOUT STRUCTURE |
| (EL) [Hatched] | EROSION LOG | [Grid Pattern] | PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS) |
| (SRB) [Cross-hatched] | SOIL RETENTION BLANKET | [Arrow] | FLOW ARROW |
| (TRM) [Hexagonal] | TURF REINFORCEMENT MAT | --- | TOP OF CUT |
| (VTC) [Dotted] | VEHICLE TRACKING PAD | - - - - | TOE OF FILL |

NOTE:
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100% SET		CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES			REVISIONS:	NO.	DATE	REVISION DESCRIPTION:		
		DESIGNED:	CAD:	CHECKED:	DATE:					
		BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION				Michael Baker INTERNATIONAL				WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 5 OF 10)
		JLW	EMR	SLS	11/04/16				PROJECT NO: 4043.SEPT12C34	SHEET NO: 190

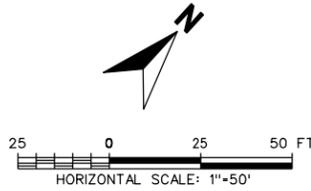
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LEGEND

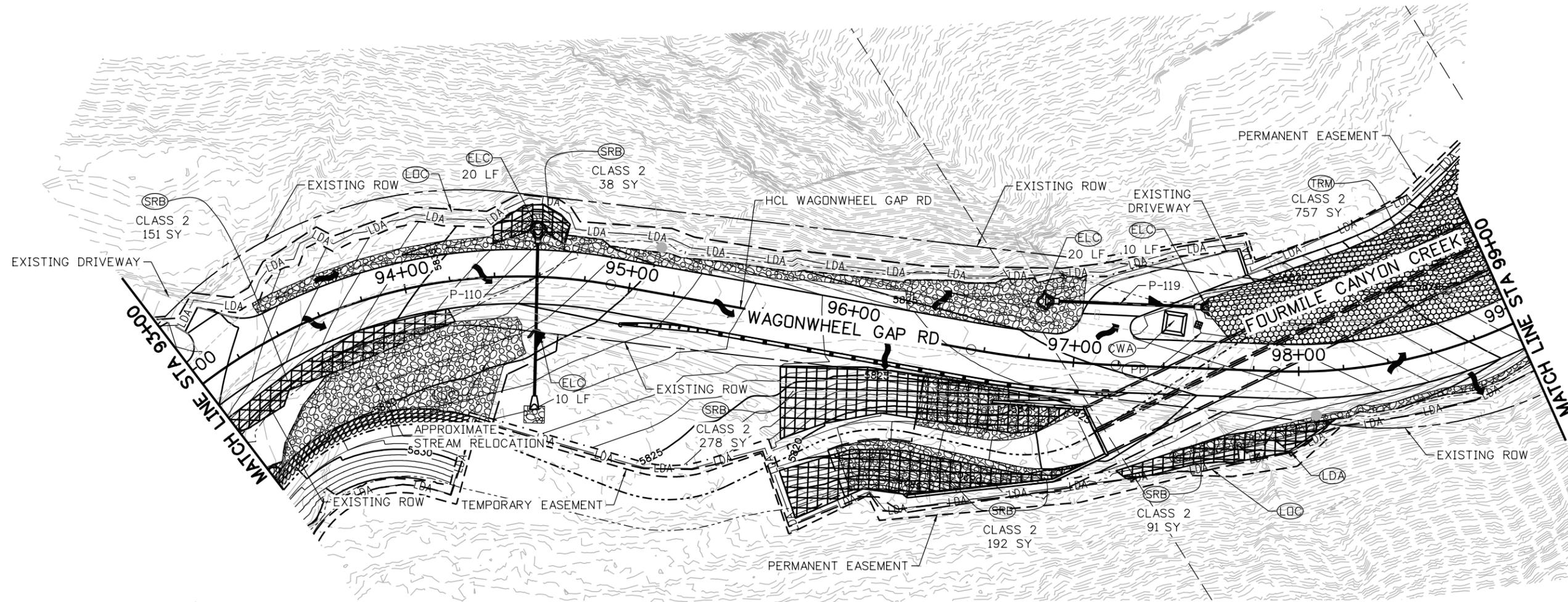
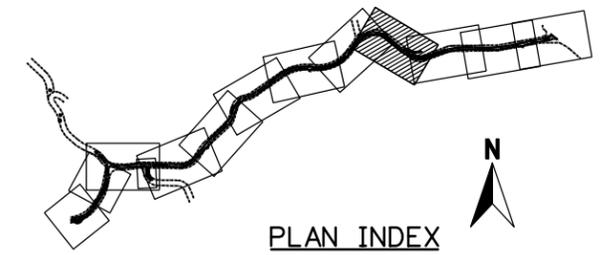
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|---------------------------------|--|----------------------|--|---------------------------|-----------|
| (LOC) --- | LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY) | (PP) [grid symbol] | SANITARY FACILITY | (CD) [dashed line symbol] | CHECK DAM |
| (LDA) ---LDA--- | LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY) | (ELC) [V symbol] | EROSION LOG FOR CULVERT | | |
| (SF) ---SF--- | SILT FENCE | (CW) [square symbol] | CONCRETE WASHOUT STRUCTURE | | |
| (EL) [hatched symbol] | EROSION LOG | [riprap symbol] | PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS) | | |
| (SRB) [cross-hatch symbol] | SOIL RETENTION BLANKET | [arrow symbol] | FLOW ARROW | | |
| (TRM) [circle pattern symbol] | TURF REINFORCEMENT MAT | --- | TOP OF CUT | | |
| (VTC) [square with dots symbol] | VEHICLE TRACKING PAD | -.-.- | TOE OF FILL | | |

NOTE:
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100% SET	CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES	NO.	DATE	REVISION DESCRIPTION:	BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION Michael Baker INTERNATIONAL	DESIGNED:	CAD:	CHECKED:	DATE:	WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 6 OF 10) PROJECT NO: 4043.SEPT12C34 SHEET NO: 191
						JLW	EMR	SLS	11/04/16	

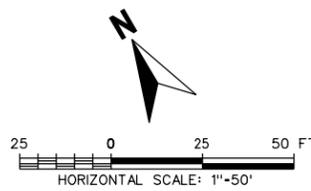
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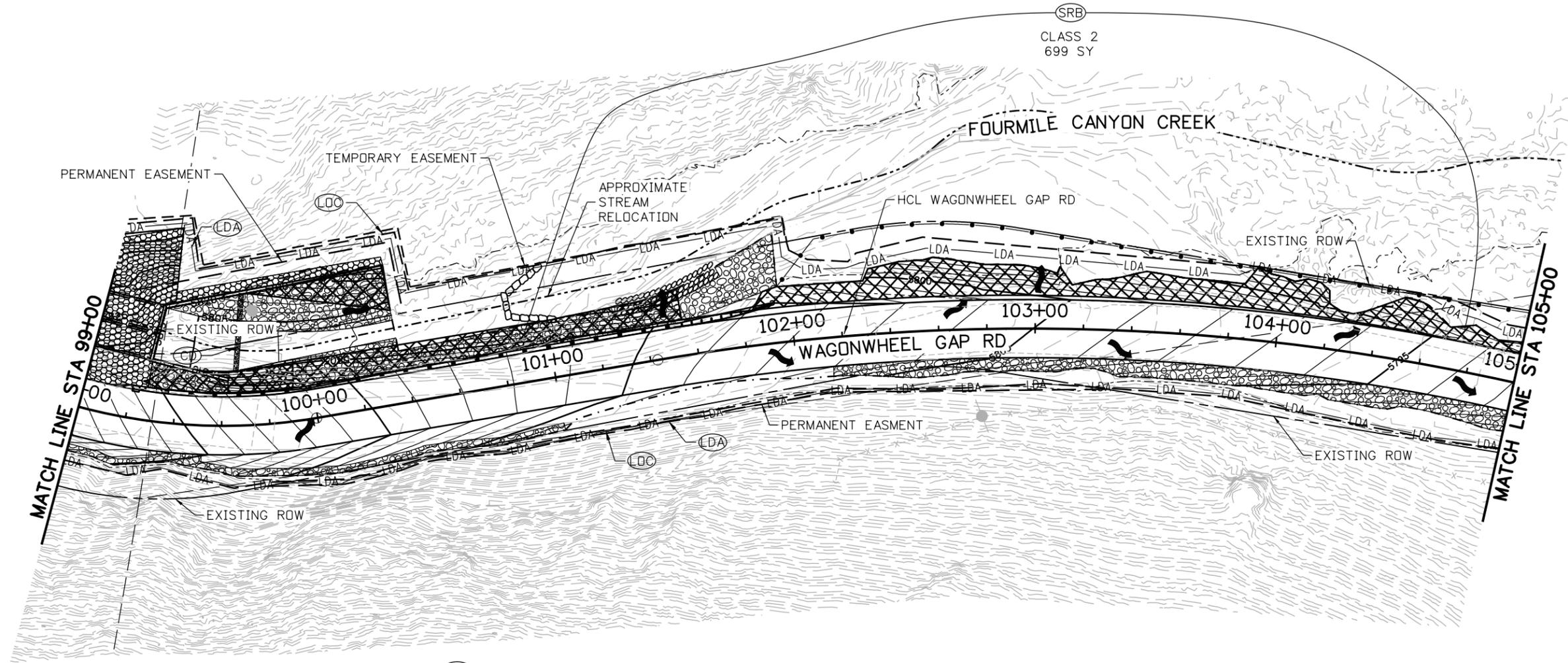
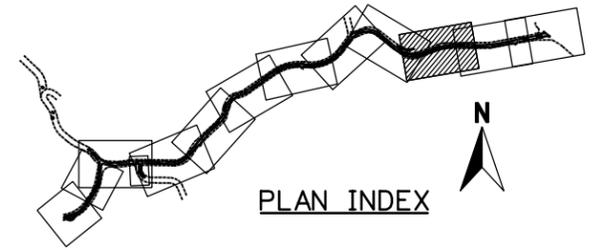
- | | | | |
|----------------------------|--|------------------------|--|
| (LDC) --- LDC --- | LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY) | (PP) [Grid Symbol] | SANITARY FACILITY |
| (LDA) --- LDA --- | LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY) | (ELC) [V-shape Symbol] | EROSION LOG FOR CULVERT |
| (SF) --- SF --- SF | SILT FENCE | (CW) [Square Symbol] | CONCRETE WASHOUT STRUCTURE |
| (EL) [Hatched Symbol] | EROSION LOG | [Riprap Symbol] | PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS) |
| (SRB) [Cross-hatch Symbol] | SOIL RETENTION BLANKET | [Arrow Symbol] | FLOW ARROW |
| (TRM) [Hexagon Symbol] | TURF REINFORCEMENT MAT | --- | TOP OF CUT |
| (VTC) [Tire Tracks Symbol] | VEHICLE TRACKING PAD | - - - - - | TOE OF FILL |

NOTE:
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100% SET	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	REVISIONS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISION DESCRIPTION:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISION DESCRIPTION:										<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p> <p>Michael Baker INTERNATIONAL</p>	DESIGNED: JLW CAD: EMR CHECKED: SLS DATE: 11/04/16	<p>WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 7 OF 10)</p> <p>PROJECT NO: 4043.SEPT12C34 SHEET NO: 192</p>
NO.	DATE	REVISION DESCRIPTION:															

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LEGEND

- (LDC) --- LDC --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
- (LDA) --- LDA --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
- (SF) --- SF --- SF SILT FENCE
- (EL) --- EROSION LOG
- (SRB) --- SOIL RETENTION BLANKET
- (TRM) --- TURF REINFORCEMENT MAT
- (VTC) --- VEHICLE TRACKING PAD
- (CD) --- CHECK DAM
- (PP) --- SANITARY FACILITY
- (ELC) --- EROSION LOG FOR CULVERT
- (CW) --- CONCRETE WASHOUT STRUCTURE
- PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
- FLOW ARROW
- TOP OF CUT
- TOE OF FILL

NOTE:

1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.



100% SET



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

NO.	DATE	REVISION DESCRIPTION:



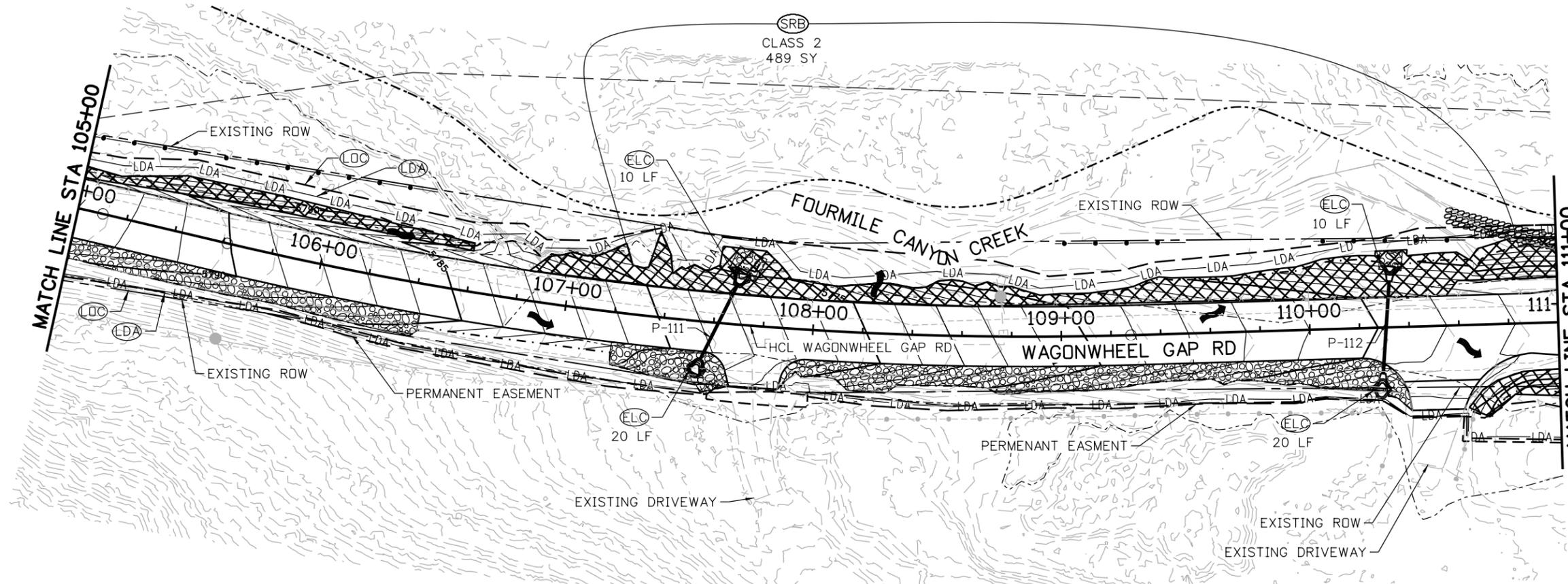
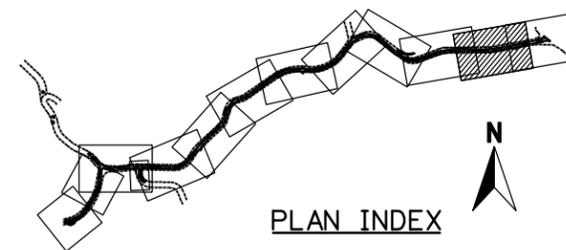
**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**
Michael Baker INTERNATIONAL

DESIGNED:	CAD:	CHECKED:	DATE:
JLW	EMR	SLS	11/04/16

**WAGONWHEEL GAP ROAD
SWMP PLAN
(SHEET 8 OF 10)**

PROJECT NO: 4043.SEPT12C34 SHEET NO: 193

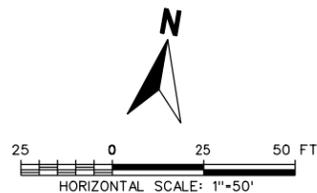
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LEGEND

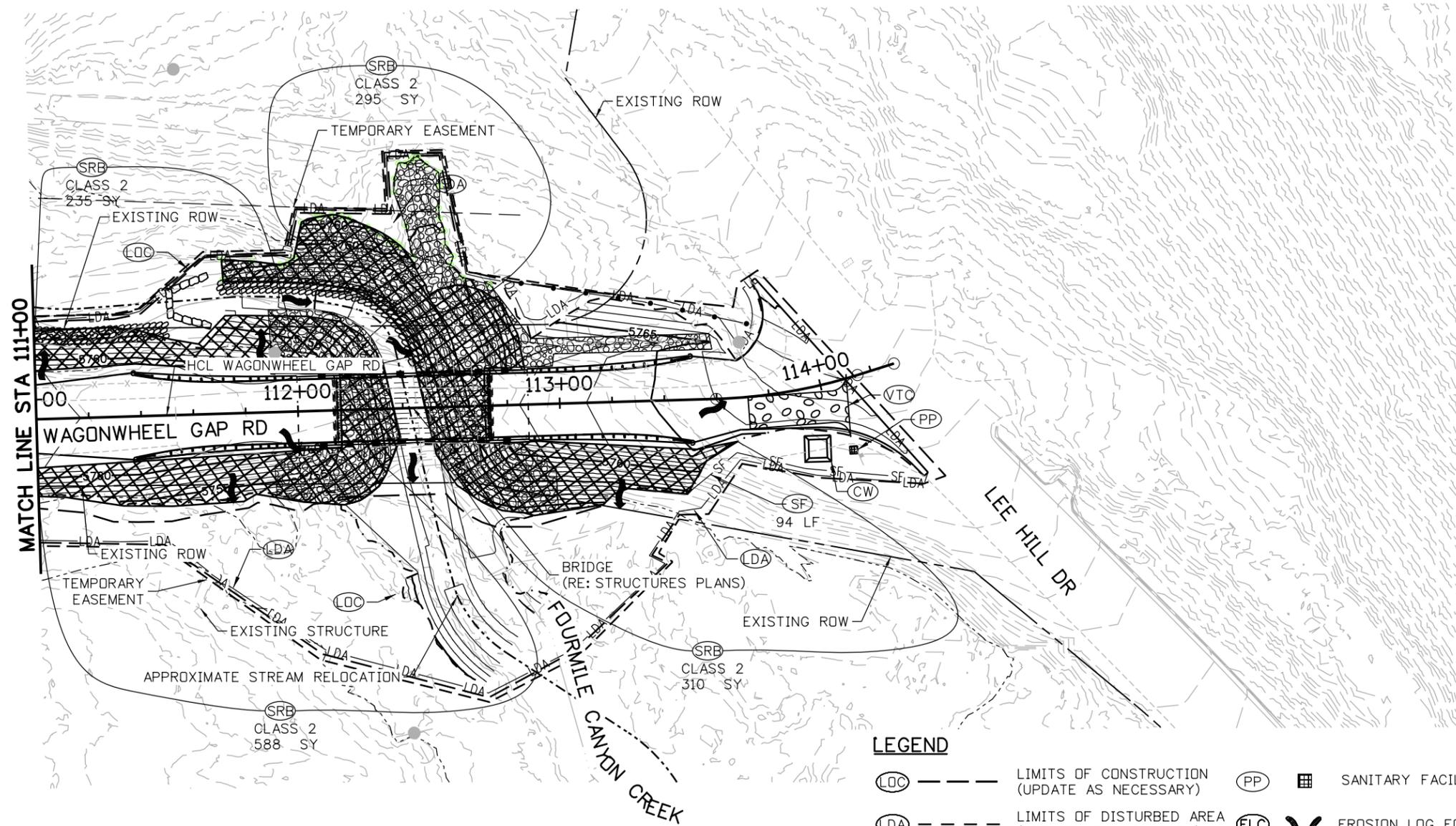
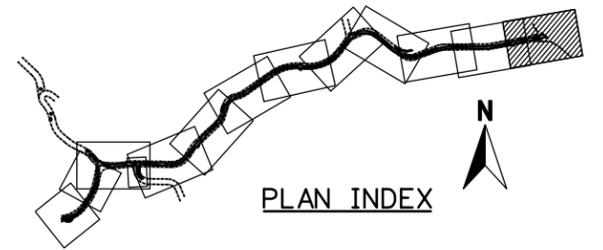
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|-------------------|--|---------------------|--|
| (LOC) --- | LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY) | (PP) [Grid Pattern] | SANITARY FACILITY |
| (LDA) ---LDA--- | LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY) | (ELC) [V-shape] | EROSION LOG FOR CULVERT |
| (SF) ---SF--- | SILT FENCE | (CW) [Square] | CONCRETE WASHOUT STRUCTURE |
| (EL) [Hatched] | EROSION LOG | [Riprap Pattern] | PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS) |
| (SRB) [X-pattern] | SOIL RETENTION BLANKET | [Arrow] | FLOW ARROW |
| (TRM) [Hexagon] | TURF REINFORCEMENT MAT | --- | TOP OF CUT |
| (VTC) [Circle] | VEHICLE TRACKING PAD | - - - - - | TOE OF FILL |

NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
 2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.



100% SET	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	REVISIONS: NO. DATE REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p> <p style="text-align: center;">Michael Baker INTERNATIONAL</p>	DESIGNED: JLW CAD: EMR CHECKED: SLS DATE: 11/04/16	<p>WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 9 OF 10)</p> PROJECT NO: 4043.SEPT12C34 SHEET NO: 194
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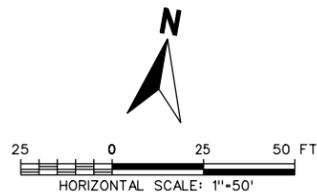
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NOTE:
 1. TOPSOIL, SEEDING AND MULCH SHALL BE PLACED ON ALL DISTURBED AREAS OUTSIDE OF THE FINAL ROADWAY SECTION AND CREEK BED. SEE SWMP PLAN - GENERAL FOR SEED MIX DETAILS.
 2. ALL SEEDING SHALL BE NATIVE UNLESS OTHERWISE NOTED AS RIPARIAN SEED MIX.

LEGEND

- (LOC) --- LIMITS OF CONSTRUCTION (UPDATE AS NECESSARY)
- (LDA) --- LIMITS OF DISTURBED AREA (UPDATE AS NECESSARY)
- (SF) -SF-SF SILT FENCE
- (EL) [diagonal hatching] EROSION LOG
- (SRB) [cross-hatching] SOIL RETENTION BLANKET
- (TRM) [stippled] TURF REINFORCEMENT MAT
- (VTC) [dotted] VEHICLE TRACKING PAD
- (PP) [grid] SANITARY FACILITY
- (ELC) [V-shape] EROSION LOG FOR CULVERT
- (CW) [square] CONCRETE WASHOUT STRUCTURE
- [stippled] PERMANENT SOIL RIPRAP (SEE DRAINAGE DETAILS)
- [arrow] FLOW ARROW
- TOP OF CUT
- - - - TOE OF FILL



100% SET	<p>CALL UTILITY NOTIFICATION CENTER OF COLORADO CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES</p>	REVISIONS:	NO.	DATE	REVISION DESCRIPTION:	<p>BOULDER COUNTY TRANSPORTATION DEPARTMENT ENGINEERING DIVISION</p> <p>Michael Baker INTERNATIONAL</p>	DESIGNED:	CAD:	CHECKED:	DATE:	<p>WAGONWHEEL GAP ROAD SWMP PLAN (SHEET 10 OF 10)</p> <p>PROJECT NO: 4043.SEP12C34 SHEET NO: 195</p>
							JLW	EMR	SLS	11/04/16	