

SWMP NOTES

1. SITE DESCRIPTION

For Information Only to fulfill the CDPS-SCP (Colorado Discharge Permit System - Stormwater Construction Permit) Update to reflect current project site conditions.

A. PROJECT SITE DESCRIPTION:

This project provides for an expansion of 3.3 miles of US-50 Eastbound, from Purcell boulevard to Wills Boulevard, from the current two lane section, to a three lane section. The construction of this project will include full depth replacement of part of one of the existing lanes, widening the roadway to add an additional 12' lane and 12' shoulder, grading to construct a swale to convey runoff to one of two water quality ponds, grading of the two water quality ponds, a storm sewer system to capture and convey the 100-year storm for the eastern portion of the project, and the bridge over Williams Creek will be widened. Once grading activities are completed soil retention blankets and seeding will be applied to the swale and embankment areas.

B. PROPOSED SEQUENCING FOR MAJOR ACTIVITIES: The US-50 Eastbound Widening Project will generally follow the following sequence for events that may impact water quality -

C. ACRES OF DISTURBANCE:

1. Total area of construction site: 41.2 acres
2. Total area of disturbance: 28.6 acres
3. Acreage of seeding: 20 acres

D. EXISTING SOIL DATA:

Local soils are silt loams, silty clay loams and shale. The National Resource Conservation Service (NRCS) has mapped the area, and has identified the following soil types in the project area:

- CsE - Cascajo Shale outcrop, 5 to 30 percent slopes. This soil type has a hydraulic soils grouping of "A" that is indicative of soils that are well drained and have low runoff potential and a high infiltration rate.
- Ha - Haverson silt loam. This soil type has a hydraulic soils grouping of "B" that is indicative of soils that have a moderate infiltration rate due to the moderately fine to moderately coarse texture.
- He - Heldt silty clay loam, 2 to 6 percent slopes. This soil type has a hydraulic soils grouping of "C" that is indicative of soils that have a slow infiltration rate, due to a layer that impedes the downward movement of water due to moderately fine to fine texture.
- LnA - Limon silty clay loam, 0 to 2 percent slopes. This soil type has a hydraulic soils grouping of "C" that is indicative of soils that have a slow infiltration rate, due to a layer that impedes the downward movement of water due to moderately fine to fine texture.
- LvB - Limon silty clay, 0 to 5 percent slopes. This soil type has a hydraulic soils grouping of "C" that is indicative of soils that have a slow infiltration rate, due to a layer that impedes the downward movement of water due to moderately fine to fine texture.
- MaB - Manvel silt loam, 1 to 5 percent slopes. This soil type has a hydraulic soils grouping of "B" that is indicative of soils that have a moderate infiltration rate due to the moderately fine to moderately coarse texture.
- MpA - Manzanola silty clay loam, 0 to 2 percent slopes. This soil type has a hydraulic soils grouping of "C" that is indicative of soils that have a slow infiltration rate, due to a layer that impedes the downward movement of water due to moderately fine to fine texture.
- MsD - Midway Shale outcrop, 1 to 9 percent slopes. This soil type has a hydraulic soils grouping of "D" that is indicative of soils having a very slow infiltration rate and high runoff potential, due to a prevalence of clays or other impervious materials, such as shales.
- Mv - Minnequa Manvel loam. This soil type has a hydraulic soils grouping of "C" that is indicative of soils that have a slow infiltration rate, due to a layer that impedes the downward movement of water due to moderately fine to fine texture.
- PmE - Penrose-Minnequa, 1 to 15 percent slopes. This soil type has a hydraulic soils grouping of "D" that is indicative of soils having a very slow infiltration rate and high runoff potential, due to a prevalence of clays or other impervious materials, such as shales.
- PrF - Penrose Rock outcrop, 25 to 65 percent slopes. This soil type has a hydraulic soils grouping of "D" that is indicative of soils having a very slow infiltration rate and high runoff potential, due to a prevalence of clays or other impervious materials, such as shales.
- Ra - Razor clay loam. This soil type has a hydraulic soils grouping of "C" that is indicative of soils that have a slow infiltration rate, due to a layer that impedes the downward movement of water due to moderately fine to fine texture.
- SaE - Schamber gravelly sandy loam, 5 to 25 percent slopes. This soil type has a hydraulic soils grouping of "A" that is indicative of soils that are well drained and have a high infiltration rate.
- SgD - Shingle silty clay loam, 1 to 9 percent slopes. This soil type has a hydraulic soils grouping of "D" that is indicative of soils having a very slow infiltration rate and high runoff potential, due to a prevalence of clays or other impervious materials, such as shales.
- Sh - Stoneham loam. This soil type has a hydraulic soils grouping of "B" that is indicative of soils that have a moderate infiltration rate due to the moderately fine to moderately coarse texture.

E. EXISTING VEGETATION, INCLUDING PERCENT COVER:

Existing vegetation consists of native grasses. Percent Cover of existing vegetation: 60%

F. POTENTIAL POLLUTANTS SOURCES: See First Construction Activities under Potential Pollutant Sources. The ECS shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

G. RECEIVING WATER:

1. Outfall locations:

TABLE 1-1

Location	Size	Type	Receiving
97+67.59	30 inch	CSP	Outfall off project site, flows to Williams Creek
108+68.53	30 inch	CSP	Outfall off project site, flows to Williams Creek
122+68.72	27 inch	CSP	Outfall off project site, flows to Williams Creek
123+69.58	36 inch	CSP	3 Pipes, Outfall off project site, flows to Williams Creek
135+28.54	36 inch	CSP	3 Pipes, Outfall off project site, flows to Williams Creek
146+78.35	30 inch	CSP	Ditch outfall to Williams Creek
156+70.47	27 inch	CSP	Ditch outfall to Williams Creek
168+81.54	27 inch	CSP	Outfall off project site, flows to Williams Creek
177+71.79	27 inch	CSP	Outfall off project site, flows to Williams Creek
191+77.26	27 inch	CSP	Outfall off project site, flows to Williams Creek
198+43.96, RT 36'	27 inch	CSP	Conveys ditch flow from north to south side of US 50 to Williams Creek
199+07.77, LT 48'	27 inch	CSP	Conveys ditch flow from south to north side of US 50 to Williams Creek
207+07.17, LT 59'	27 inch	CSP	Conveys ditch flow from north to south side of US 50 to Williams Creek
213+83.49, RT 36'	27 inch	CSP	Williams Creek
215+36.99, RT 36'	27 inch	CSP	Conveys ditch flow from west to east side of Pueblo Blvd to Williams Creek
216+05.96, LT 86'	30 inch	CSP	Conveys ditch flow from south to north side of US 50 to Williams Creek
218+39.91, RT 36'	27 inch	CSP	Williams Creek
219+64.11, LT 65'	21 inch	CSP	Conveys ditch flow from south to north side of US 50 to Williams Creek
222+54.93, RT 42'	27 inch	CSP	Williams Creek
247+63.91, RT 73'	27 inch	CSP	Ditch outfall To Wild Horse Dry Creek

2. Names of receiving water(s) on site and the ultimate receiving water: Williams Creek and Wildhorse Creek cross the project. The ultimate receiving water is the Arkansas River.
3. Distance ultimate receiving water is from project: Approx. 2.8 miles

H. ALLOWABLE NON-STORMWATER DISCHARGES: No non-stormwater discharges are anticipated for this project.

1. Groundwater and stormwater dewatering: Discharges to the ground of water from construction dewatering activities may be authorized provided that:
 - a. the source is groundwater and/or groundwater combined with stormwater that does not contain pollutants
 - b. the source and BMPs are identified in the SWMP
 - c. discharges do not leave the site as surface runoff or to surface waters.

2. If discharges do not meet the above criteria a separate permit from the Department of Health will be required. Contaminated groundwater requiring coverage under a separate permit may include groundwater contaminated with pollutants from a landfill, mining activities, industrial pollutant plumes, underground storage tank, etc.

I. ENVIRONMENTAL IMPACTS:

1. Wetland Impacts: NO
2. Stream Impacts: YES
3. Threatened and Endangered Species: Suitable habitat present along Wild Horse Dry Creek and Williams Creek for the Northern Leopard Frog and Plains Leopard Frog, Triploid Colorado Checkered Whiptail (State Species of Special Concern), and Massasauga Rattlesnake. Please refer to Environmental Notes for specific requirements for special status species.

Print Date: 10/28/2014		Sheet Revisions	Colorado Department of Transportation	As Constructed	PURCELL US 50 WEST BLVD. TO WILLS BLVD. SWMP NOTES	Project No./Code
File Name: 19056DES_SWMP_Notes.dgn		Date: Comments Init.	 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702	No Revisions:	Designer: LK Structure	FSA 0503-081
Horiz. Scale: 1:1 Vert. Scale: As Noted			Region 2	Revised:	Detailer: LK Numbers	19751
 J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120			DTD	Void:	Subset: SN Subsel Sheets: SN1 of 5	Sheet Number 200

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2. SITE MAP COMPONENTS:

Pre-construction

- A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES
- B. ALL AREAS OF GROUND SURFACE DISTURBANCE
- C. AREAS OF CUT AND FILL
- D. LOCATION OF ALL STRUCTURAL BMPs IDENTIFIED IN THE SWMP
- E. LOCATION OF NON-STRUCTURAL BMPs AS APPLICABLE IN THE SWMP
- F. SPRINGS, STREAMS, WETLANDS AND OTHER SURFACE WATER
- G. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION
- H. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc) and BATCH PLANTS

Revise site maps in accordance to 208.03

3. SWMP ADMINSTRATOR FOR DESIGN:

Luke R. Myers, P.E.
J.F. Sato & Associates

4. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. DESIGNATE A SWMP ADMINISTRATOR/EROSION CONTROL SUPERVISOR (To be filled out at time of construction; designate the individual(s) responsible for implementing, maintaining and revising the SWMP, including the title and contact information. The activities and responsibilities of the administrator shall address all aspects of the projects SWMP.)

Name/Title: Contact information:

B. POTENTIAL POLLUTANT SOURCES

Evaluate, identify and describe all potential sources of pollutants at the site in accordance with subsection 107.25 and place in the SWMP notebook. All BMPs related to potential pollutants shall be shown on the SWMP site map by the contractor's ECS.

C. BEST MANAGEMENT PRACTICES (BMPs) FOR STORMWATER POLLUTION PREVENTION

PHASED BMP IMPLEMENTATION, APPLICATION AND NARRATIVE:


During Design: "BMP as Designed" boxes are marked when used in the SWMP. During construction: the ECS shall update the narratives, include new narratives and update the "In use on site" boxes to match which BMPs are currently in use on site. Clearly describe the relationship between the phases of construction and the implementation of BMP controls.

STRUCTURAL and NONSTRUCTURAL BMPs that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

TABLE 4-1

Structural BMPs and Application	Narrative	BMP As Designed	In Use On Site	First Construction Activities	During Construction	Interim/ Final Stabilization
Earth Berm/Stockpile	Placed around toe to contain sediment around stockpile					
Earth Berm/Toe of fill	Placed prior to earthwork within specified distance of toe to capture sediment and protect undisturbed areas					
Earthberm/Diversion	Placed to divert drainage and subdivide runoff volume from less than 10 acre sub basins. Temp feature to be removed upon final stabilization					
Rock Check Dams/Ditch	Velocity checks in ditches placed immediately after ditch grading					
Silt Fence/Sediment Control	Placed on contour to contain construction runoff	X		X	X	
Silt Fence/Protection of Vegetation	Placed to protect undisturbed area and delineate boundary of protected area					
Erosion Logs, Silt Berms or Silt Dikes/Ditch Checks	Erosion Control checks in ditches placed immediately after ditch grading to reduce flow velocity of runoff in ditch	X		X	X	X
Erosion Logs/ Existing Inlet	Placed prior to disturbance at existing inlets where disturbance maybe occurring to cause sediment laden water to enter pipe	X		X	X	
Erosion Logs/culvert inlet or outlet	Placed on culvert to filter or prevent sediment from entering pipe. If disturbance occurs above pipe then erosion logs are placed above pipe	X		X	X	X
Erosion Logs/Sediment Control	Placed to protect undisturbed area and delineate boundary of protected area	X		X	X	
Storm Drain Inlet Protection/Sediment Control	Placed to protect storm drain inlets to filter or prevent sediment from entering drainage system.	X		X	X	X
Temporary Sediment Trap/Basin	Contain and filter sediment laden water from < 5 acre sub basins within construction disturbance					
Permanent Sediment Trap/Basin	Utilized during construction to act as temporary sediment containment. Outlet structure shall be modified for construction runoff					
Embankment Protection or Temp Slope Drain	Placed as a conduit or chute to drain runoff down slope and prevent erosion of slope					
Outlet Protection	Material placed as energy dissipation device to prevent erosion at outlet structure	X			X	X
Concrete Washouts/Construction Control	Construction waste management of concrete washout material	X			X	
Vehicle tracking Pad/ Construction Control	Placed to prevent tracking of sediment from disturbance to offsite surface	X		X	X	
Sweeping/Construction or Source Control	Utilized to remove sediment on pavement surface and to prevent sediment from entering drainage system					
Dewatering/ Construction Control	Sediment control to remove or filter sediment from construction dewatering					
Temporary Stream Crossing/ Construction Control	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into stream.					
Clean water diversion	Placed to divert clean surface or ground water from mixing with construction runoff or activity					
Other						

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J.F. SATO AND ASSOCIATES
 5898 South Rapp Street
 Littleton, Colorado 80120

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702

Region 2 DTD

As Constructed
No Revisions:
Revised:
Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 SWMP NOTES

Designer: LK Structure
 Detailer: LK Numbers
 Subset: SN Subset Sheets: SN2 of 5

Project No./Code
FSA 0503-081
19751
Sheet Number 201

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TABLE 4-2

Non Structural BMPs and Application	Narrative	BMP As Desig ned	In Use On Site	First Construction Activities	During Construction	Interim/ Final Stabilization
Surface Roughening/Grading Techniques	Interim and temp stabilization of disturbance and to minimize wind and erosion				X	X
Seeding Permanent/Final Stabilization	Reduce runoff and control erosion on disturbed areas	X			X	X
Seeding Temporary	Over wintering of disturbance or used to control erosion for areas scheduled for future construction				X	
Mulch/Mulch Tackifier/ Temp or Final Stabilization	Placed as a surface cover for erosion control and or seeding establishment				X	X
Soil Retention Blanket /Temp or Final Stabilization	Placed as surface cover for erosion control and seeding establishment	X			X	X
Turf Reinforcement Mat/ Final Stabilization	Placed in channels or on slopes for erosion control, channel liner and seeding establishment					
Soil Binder/Temp Stabilization	Placed as surface treatment to provide temp erosion control					
Spray on mulch blanket/ Temp or Final Stabilization	Placed cover on slopes to control erosion and seeding establishment					
Vegetative Buffer Strips	Filter sediment laden runoff from disturbance area					
Protection Of Trees/Protected Resources -Fence Plastic	Placed prior to construction to protect existing vegetation to remain					
Preservation Of Mature Vegetation/Work access and grading plans	Used to protect existing stable cover and minimize impact to vegetation					

*Check dams may be rock, erosion logs, silt dike, silt berm, etc. as indicated in the narratives and SWMP site map.
 Erosion control devices are used to limit the amount of soil loss on site.
 Sediment control devices are designed to capture sediment on the project site.
 Construction control are BMPs related to construction access and staging.
 BMP locations are indicated on the SWMP site map.
 BMP details and narratives not covered by the SWMP or Standard Plan M-208-1 shall be added to the SWMP notebook by the ECS.

D. OFFSITE DRAINAGE (RUN ON WATER)

1. Describe and record BMPs on the SWMP site map that has been implemented to address off site run-on water in accordance with subsection 208.03.

E. VEHICLE TRACKING PAD

1. BMPs shall be implemented in accordance with subsection 208.04.

F. PERIMETER CONTROL

1. Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters.
2. Perimeter control may consist of vegetation buffers, berms, silt fence, erosion logs, existing landforms, or other BMPs as approved.
3. Perimeter control shall be in accordance with subsection 208.04.

5. DURING CONSTRUCTION

RESPONSIBILITIES OF THE SWMP ADMINISTRATOR/EROSION CONTROL SUPERVISOR DURING CONSTRUCTION

The SWMP should be considered a "living document" that is continuously reviewed and modified. During construction, the following items shall be added, updated, or amended as needed by the SWMP Administrator/Erosion Control Supervisor (ECS) in accordance with Section 208.

During construction, indicate how items that have not been addressed during design are being handled in construction. If items are covered in the template or other sections of the SWMP notebook indicate below what section the discussion takes place.

A. STOCKPILE MANAGEMENT - shall be done in accordance with subsection 107.25 and 208.07

B. CONCRETE WASHOUT - Concrete wash out water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.

C. SAW CUTTING - shall be done in accordance with subsection 107.25, 208.04, 208.05

D. STREET CLEANING - shall be done in accordance with subsection 208.04 MARCH 17, 2014

6. INSPECTIONS

A. Inspections shall be in accordance with subsection 208.03 (c).

7. BMP MAINTENANCE

A. Maintenance shall be in accordance with subsection 208.04 (f).

8. RECORD KEEPING

A. Records shall be kept in accordance with subsection 208.03 (c).

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Horiz. Scale: 1:1 Vert. Scale: As Noted						Void:	Subset: SN Subset Sheets: SN3 of 5	Sheet Number 202

JFS&A
 J. F. SATO AND ASSOCIATES
 5898 South Rapp Street
 Littleton, Colorado 80120



902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702

Region 2

DTD

9. INTERIM AND FINAL STABILIZATION

A. SEEDING PLAN

Soil preparation, soil conditioning or topsoil, seeding (native), mulching (weed free) and mulch tackifier will be required for an estimated 20.00 acres of disturbed area within the right-of-way limits which are not surfaced. The following types and rates shall be used:

1. Revegetation Requirements Along Wild Horse Dry Creek (Senate Bill 40 Resources) will be completed following the removal of tamarisk per the revised project special specification 217 (Herbicide Treatment).
 - A. Willow Cutting Zone will be revegetated with 1,100 Willow Brush Cuttings
 - B. Shrub Planting Zone will be revegetated with 9,950 square feet seeded with four-winged saltbush [Atriplex canescens]), as follows: The Grass Zone will be revegetated with 20,020 square feet of grass seed-mix, as follows:

Common Name	Botanical Name	Pounds of seed per Acre
Shrub Planting Zone		
Four-winged saltbush	Atriplex canescens	4
Grass Zone		
Alkali Sacaton	Sporobolus airoides	1
Western Wheatgrass	Pascopyrum smithii v. Arriba	8
Galleta	Pleuraphis jamesii v. Viv	6
Blue Grama	Bouteloua gracilis	2
Alkaligrass	Puccinellia distans	1
American Vetch	Vicia americana	4
Total		26

2. Revegetation Requirements - All Other Areas of Disturbance
All other areas of disturbance will be revegetated with 871,200 square feet of grass seed-mix, as follows:

Common Name	Botanical Name	Pounds of seed per Acre
Blue Grama	Boutelous gracilis v. Hachita	1
Buffalo Grass	Boutelous dactyloides	4
Galleta	Pleuraphis jamesii v. Viva	4
Western Wheatgrass	Pascopyrum smithii v. Arriba	4
Green needle grass	Nassella Viridula v. Lordon	2.5
Side-oats grama	Boutelous curtispindula	1.5
Indian ricegrass	Achnatherum hymenoides v. Paloma	2
American Vetch	Vicia americana	4
Purple prairieclover	Dalea Purpurea v. Purpurea	1
Blue Flax	Linum Perenne v. Appar	2
Total		26

Planting of trees and shrubs will follow CDOT's Standard Specification 214 (Planting).

- SEEDING APPLICATION:** Drill seed 0.25 inch to 0.5 inch into the soil. In small areas not accessible to a drill, hand broadcast at double the rate and rake 0.25 inch to 0.5 inch into the soil.
- MULCHING APPLICATION:** Apply a minimum of 1 ½ tons of certified weed free native hay per acre and in accordance with Section 213. and mechanically crimp it into the soil in combination with an organic mulch tackifier.
- SPECIAL REQUIREMENTS:** Due to high failure rates, hydromulching and/or hydroseeding will not be allowed

E. Soil conditioning and fertilizer requirements:

Soil conditioner paid for as Item 212- Soil Conditioning (Acre)		
Biological nutrient organic based fertilizer (lbs/acre)*	Humate (lbs/acre)	Compost (cys/acre) (1/2 inch depth)
600	200	65

*Biological nutrient shall not exceed 8-8-8 (N-P-K). Humate based material shall be in accordance to Section 212 and compost shall be in accordance to Special Provision 212.

F. BLANKET APPLICATION: On slopes and ditches requiring a blanket, the blanket shall be placed in lieu of mulch and mulch tackifier. See SWMP for blanket locations.

G. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION

Prior to final acceptance:

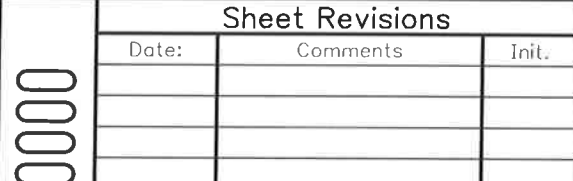


1. Seeded areas shall be reviewed during the 14 day inspections by the Erosion Control Supervisor for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be regraded, seeded, mulched and have mulch tackifier (or blanket) applied as necessary, at no additional cost to the project.
2. Areas where seed has not germinated after one season shall be evaluated by the Engineer and CDOT Landscape Architect. Areas that have not germinated shall have seed, mulch and mulch tackifier (or blanket) reapplied. Work shall be paid for by the appropriate bid item.
3. The Contractor shall maintain seeding/mulch/tackifier, mow to control weeds or apply herbicide to control weeds in the seeded areas until Final Acceptance.

10. PRIOR TO FINAL ACCEPTANCE

A. Final Acceptance shall be in accordance with subsection 208.10.

11. TABULATION OF STORMWATER QUANTITIES

Pay Item	Description	Pay Unit	* Quantity
203-01500	Blading	Hour	100
203-01510	Backhoe	Hour	100
203-01550	Dozing	Hour	100
207-00205	Topsoil	CY	5,374
208-00005	Erosion Log	LF	2,500
208-00011	Erosion Bales (Weed Free)	Each	300
208-00020	Silt Fence	LF	13,100
208-00034	Gravel Bag (Aggregate Bag)	LF	700
208-00045	Concrete Washout Structure	Each	3
208-00050	Storm Drain Inlet Protection	Each	40
208-00070	Vehicle Tracking Pad	Each	4
208-00103	Removal and Disposal of Sediment (Labor)	Hour	400
208-00105	Removal and Disposal of Sediment (Equipment)	Hour	400
208-00106	Sweeping (Sediment Removal)	Hour	800
208-00107	Removal of Trash	Hour	300
208-00205	Erosion Control Supervisor	Hour	1,500
208-00300	Temporary Berm	LF	5,000
212-00006	Seeding (Native)	ACRE	19.6
212-00010	Seeding (Lawn)	LB	5
212-00025	Seeding (Shrubs)	LB	5
212-00032	Soil Conditioning	ACRE	10
212-00040	Soil Preparation (Lawn)	ACRE	1
213-00002	Mulching (Weed Free Hay)	ACRE	20
213-00061	Mulch Tackifier	LB	6
213-00150	Bonded Fiber Matrix	ACRE	1
216-00201	Soil Retention Blanket (Straw/Coconut) (Biodegradable Class 1)	SY	2420
700-70380	Erosion Control	FA	1

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					Sheet Number 203


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*It is anticipated that additional BMPs and BMP 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 (e). Quantities for all BMPs shown above are estimated, and have been increased for unforeseen Project conditions.

The quantity of Seeding (Native) shall include soil preparation, fertilizer, soil conditioner and seed applied, completed and accepted.

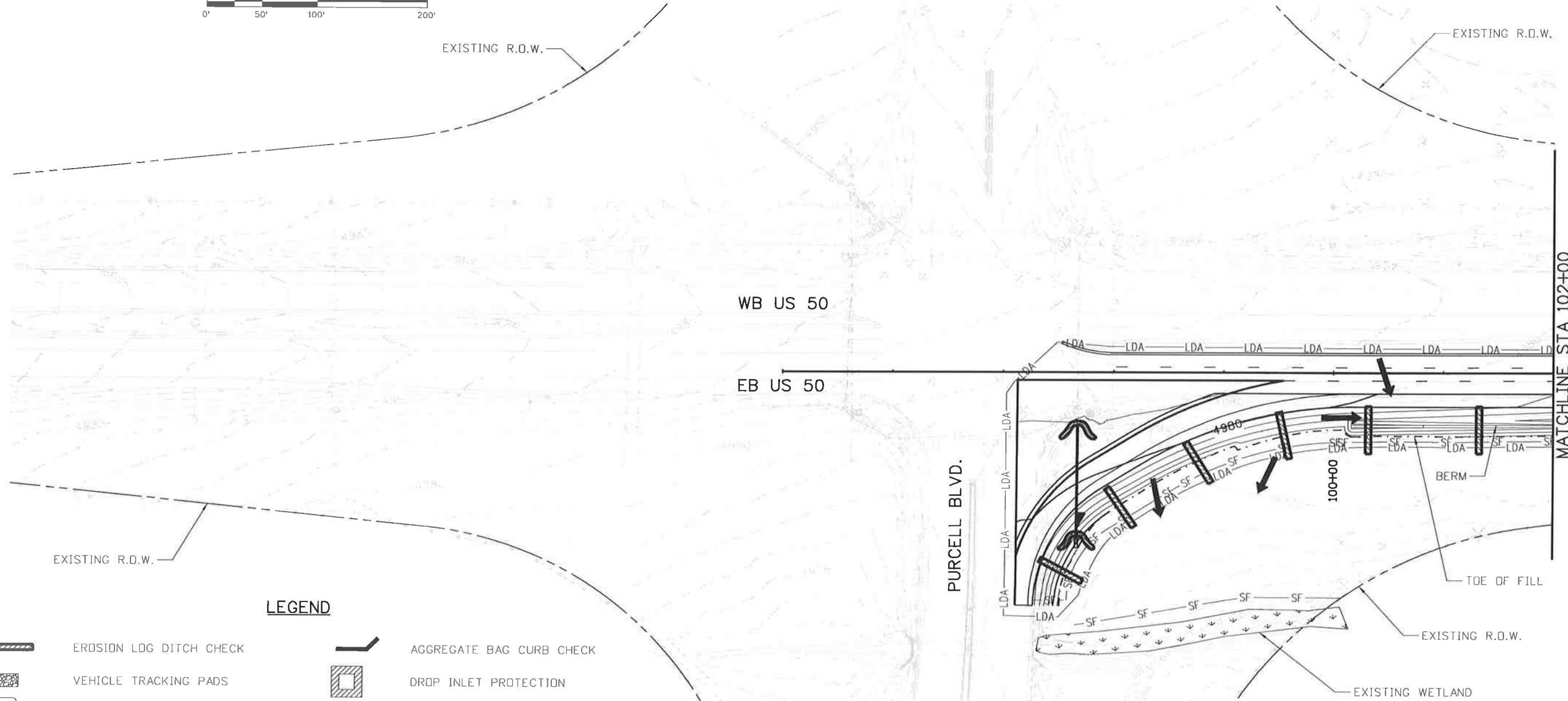
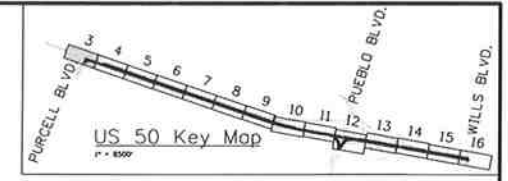
- A. BMP sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other BMP maintenance shall be included in the cost of the BMP Device.
- B. Maintenance of seeded areas shall be paid for as: FA Erosion Control, 212 Seeding (native), 213 Mulching, 216 Soil Retention Covering

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Horiz. Scale: 1:1 Vert. Scale: As Noted		 J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120		 Region 2		Revised:		Detailer: LK Structure		Sheet Number 204																				
						Void:		Subset: SN		Subset Sheets: SN5 of 5																				



Know what's below.
Call before you dig.



LEGEND

- EROSION LOG DITCH CHECK
- VEHICLE TRACKING PADS
- CONCRETE WASHOUT STRUCTURE
- SILT FENCE
- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- AGGREGATE BAG CURB CHECK
- DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- PIPE EROSION LOG
- PIPE EROSION LOG-INLET
- WETLAND
- RIPRAP

- NOTES:
- ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
 - ALL DISTURBED AREAS NOT TO BE PAVED SHALL HAVE AN APPLICATION OF SEED(NATIVE), MULCH(WEED), AND MULCH TACKIFIER.
 - THE EROSION LOG DITCH CHECK SYMBOL IS NOT SHOWN TO SCALE. THE ACTUAL LENGTH IS DEFINED AS THE DISTANCE FROM PROPOSED EDGE OF ROAD TO PROPOSED TOE OF SLOPE.

Print Date: 10/28/2014
 File Name: 19056DES_SWMP_03_Plan.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation

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As Constructed
 No Revisions:
 Revised:
 Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN- INITIAL

Designer: AB
 Detailer: AB
 Subset: EC

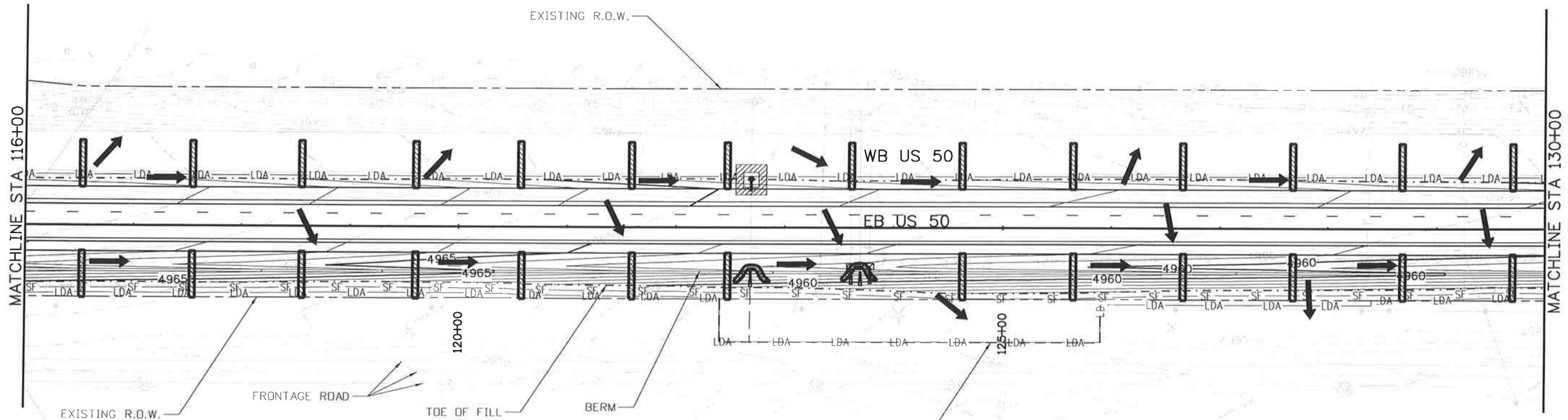
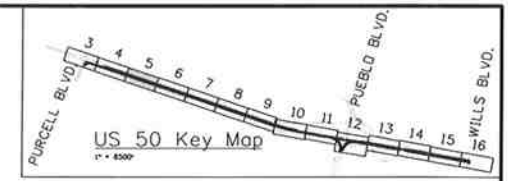
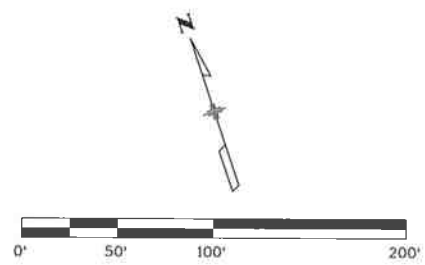
Structure Numbers
 Subset Sheets: EC03 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 207

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LEGEND

- EROSION LOG DITCH CHECK
- VEHICLE TRACKING PADS
- CONCRETE WASHOUT STRUCTURE
- SILT FENCE
- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- AGGREGATE BAG CURB CHECK
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- WETLAND
- RIPRAP

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Print Date: 10/28/2014
 File Name: 19056DES_SWMP_05_Plan.dgn
 Horiz. Scale: 1:100 Vert. Scale: As Noted

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 Revised:
 Void:

U.S. 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN-INITIAL

Designer: AB
 Detailer: AB
 Subset: EC

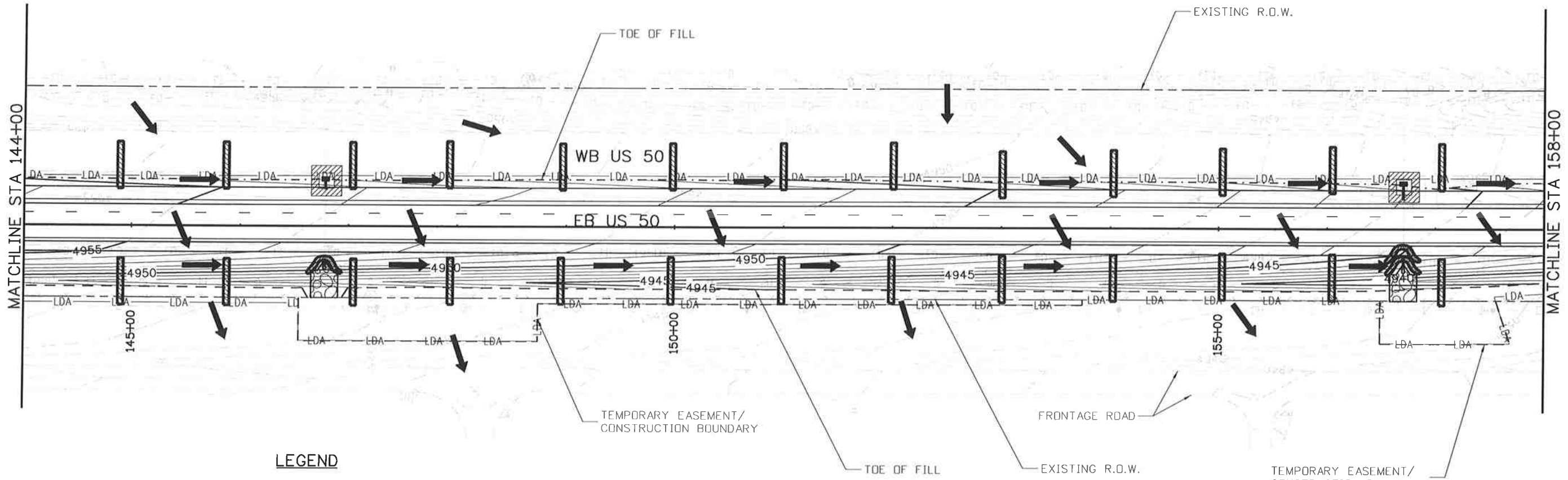
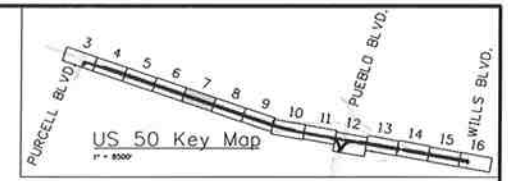
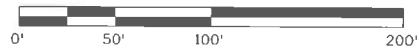
Structure Numbers
 Subset Sheets: EC05 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 209

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Know what's below.
Call before you dig.



LEGEND

- EROSION LOG DITCH CHECK
- VEHICLE TRACKING PADS
- CONCRETE WASHOUT STRUCTURE
- SILT FENCE
- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- AGGREGATE BAG CURB CHECK
- DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- PIPE EROSION LOG
- PIPE EROSION LOG-INLET
- WETLAND
- RIPRAP

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Print Date: 10/28/2014
 File Name: 19056DES_SWMP_07_Plan.dgn
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 Revised:
 Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN-INITIAL

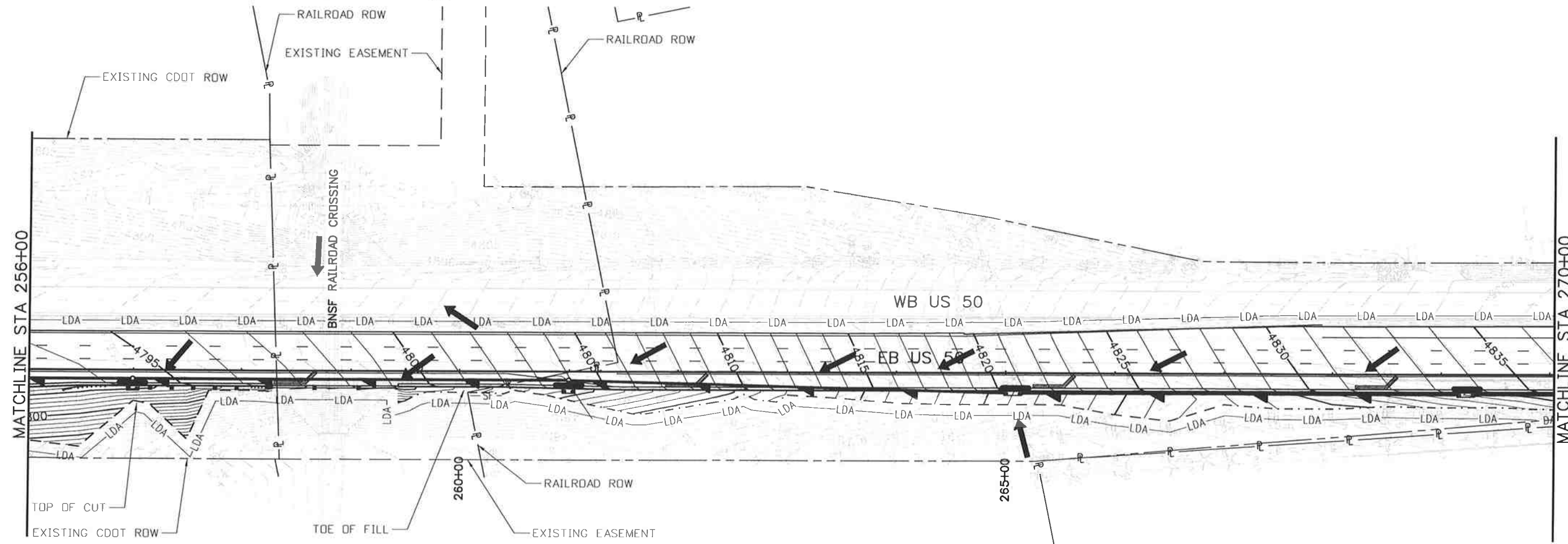
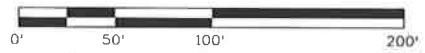
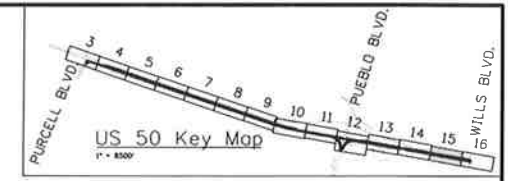
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Project No./Code
 FSA 0503-081
 19751
 Sheet Number 211

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LEGEND

- EROSION LOG DITCH CHECK
- VEHICLE TRACKING PADS
- CONCRETE WASHOUT STRUCTURE
- SILT FENCE
- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- AGGREGATE BAG CURB CHECK
- DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- PIPE EROSION LOG
- PIPE EROSION LOG-INLET
- WETLAND
- RIPRAP

- NOTES:
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Print Date: 10/28/2014
 File Name: 19056DES_SWMP_15_Plan.dgn
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 Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN-INITIAL

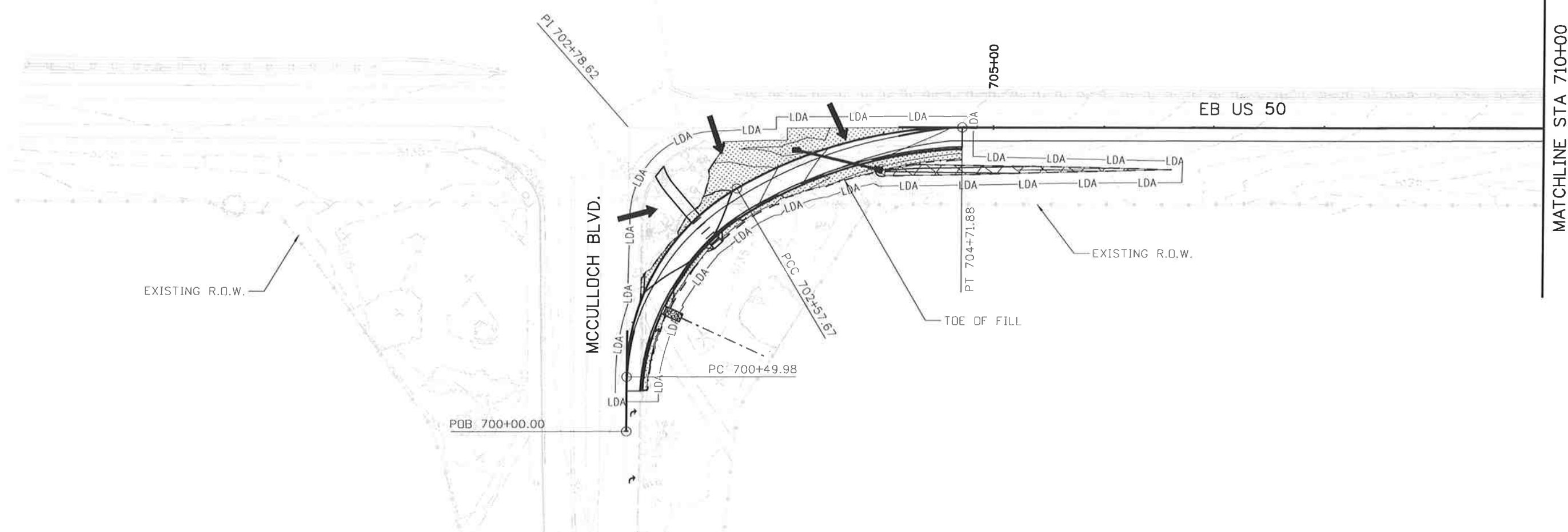
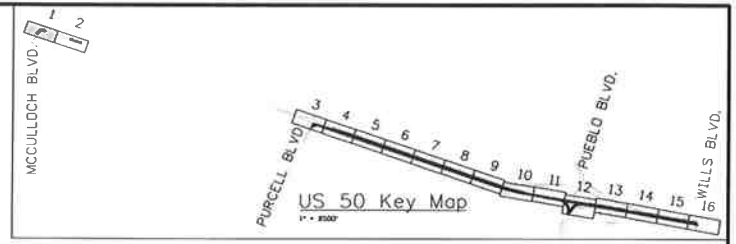
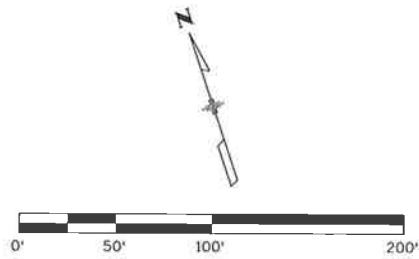
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Project No./Code
 FSA 0503-081
 19751
 Sheet Number 219

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LEGEND

- LDA- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▩ SEEDING
- ◻ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
- ▩ DROP INLET PROTECTION
- ▨ STORM DRAIN INLET PROTECTION
- ▩ PIPE EROSION LOG
- ▩ PIPE EROSION LOG-INLET

NOTES:
1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

Print Date: 10/28/2014
 File Name: 19056DES_SWMP_01_Plan.dgn
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Void:	

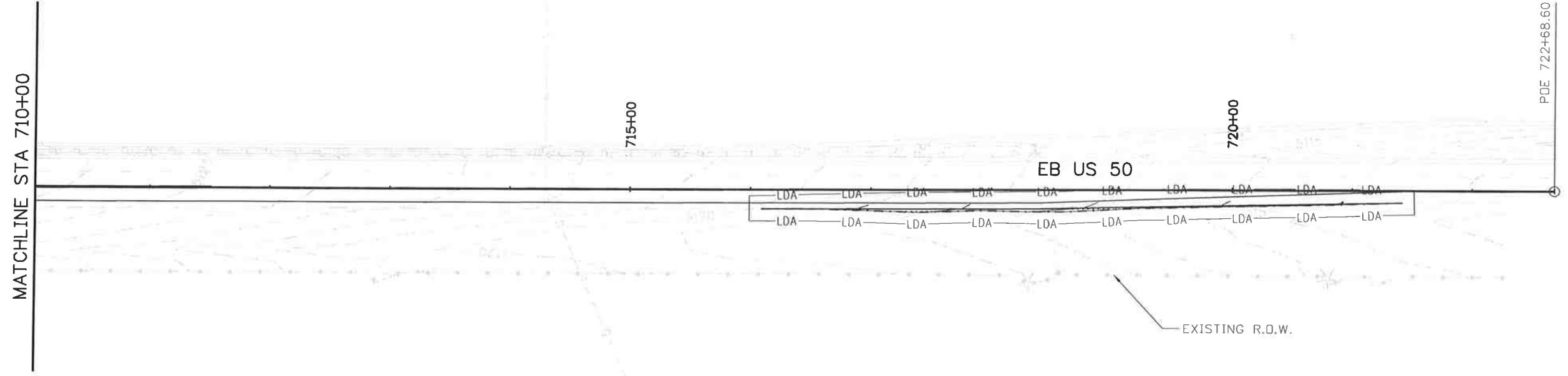
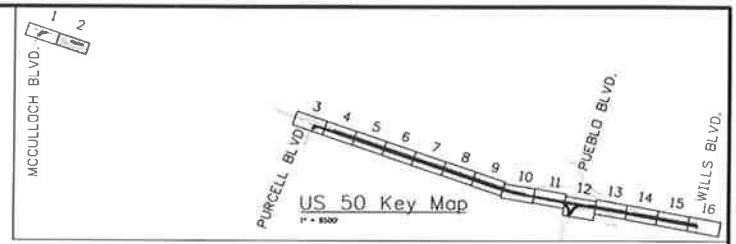
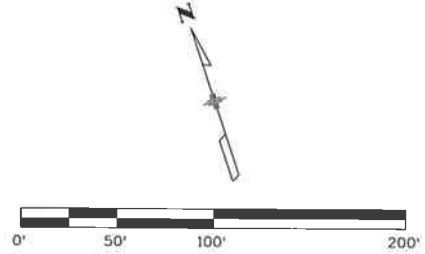
US 50 WEST MCCULLOCH BLVD. EROSION CONTROL PLAN- FINAL		
Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	EF	Subset Sheets: EF01 of 16

Project No./Code	FSA 0503-081
	19751
Sheet Number	221

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LEGEND

- LDA- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◡ EXISTING WETLAND
- AGGREGATE BAG CURB CHECK
- DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- PIPE EROSION LOG
- PIPE EROSION LOG-INLET

NOTES:
 1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
 2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

Print Date: 10/28/2014
 File Name: 19056DES_SWMP_02_Plan.dgn
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Region 2 DTD

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**US 50 WEST
 MCCULLOCH BLVD.
 EROSION CONTROL PLAN- FINAL**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: EF Subset Sheets: EC02of 16

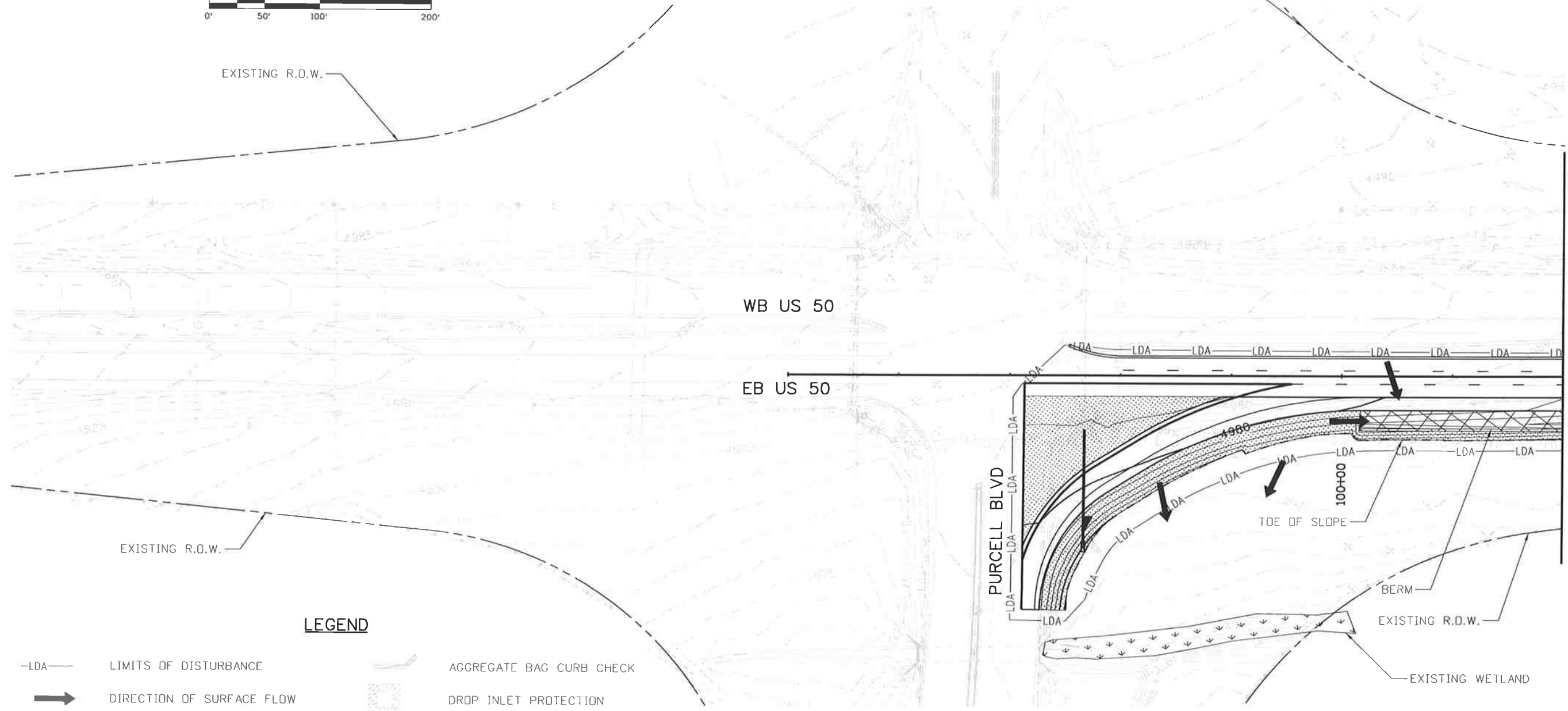
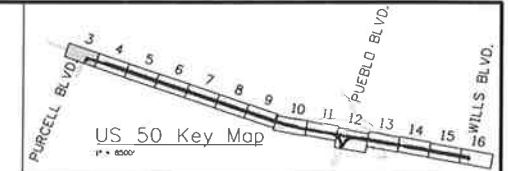
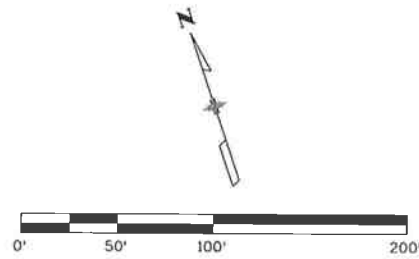
Project No./Code

FSA 0503-081
 19751
 Sheet Number 222

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LEGEND

-LDA-	LIMITS OF DISTURBANCE		AGGREGATE BAG CURB CHECK
	DIRECTION OF SURFACE FLOW		DROP INLET PROTECTION
	SOIL RETENTION BLANKETS		STORM DRAIN INLET PROTECTION
	SEEDING		PIPE EROSION LOG
	EXISTING WETLAND		PIPE EROSION LOG-INLET

NOTES:
 1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
 2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

Print Date: 10/28/2014
 File Name: 19056DES_SWMP_03_Plan.dgn
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 No Revisions:
 Revised:
 Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN-FINAL

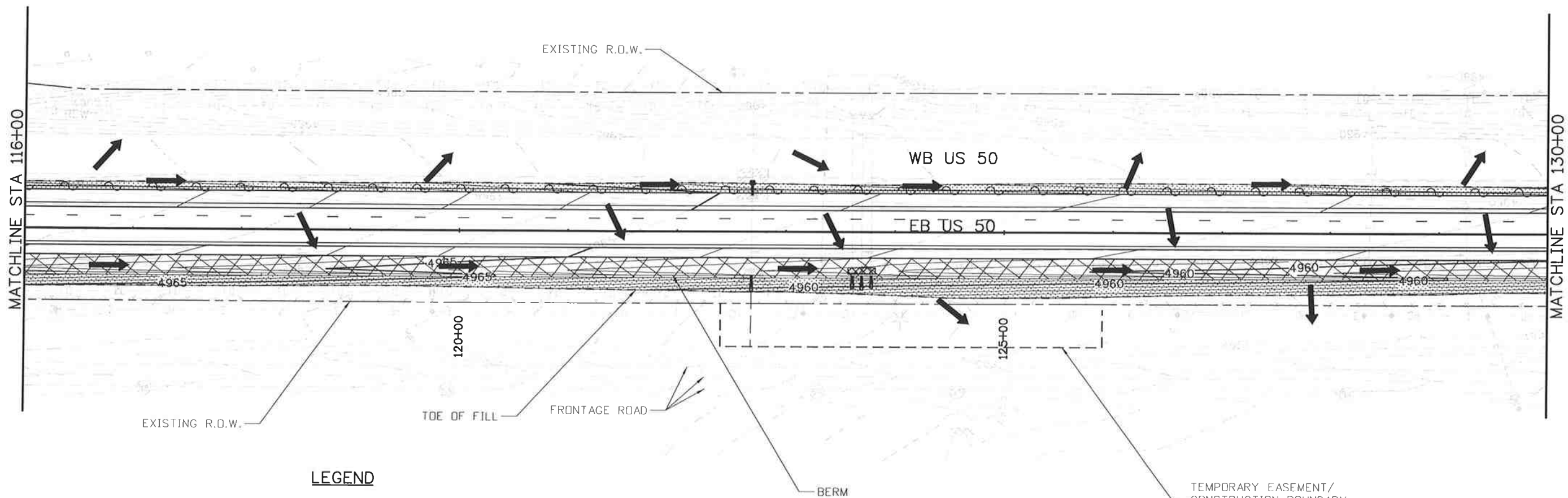
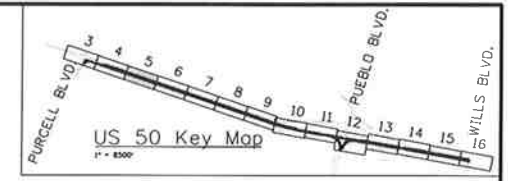
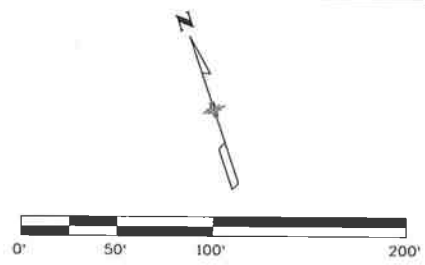
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Detailer: AB	
Subset: EF	Subset Sheets: EF03 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 223

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LEGEND


- LDA- LIMITS OF DISTURBANCE
- ➔ DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◻ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
- ▩ DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- ▬ PIPE EROSION LOG
- ▭ PIPE EROSION LOG-INLET

NOTES:
1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

Print Date: 10/28/2014
File Name: 19056DES_SWMP_05_Plan.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted

Sheet Revisions

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Region 2 **DTD**

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**U.S. 50 WEST
PURCELL BLVD. TO WILLS BLVD.
EROSION CONTROL PLAN-FINAL**

Designer: AB Structure
Detailer: AB Numbers
Subset: EF Subset Sheets: EF05 of 16

Project No./Code

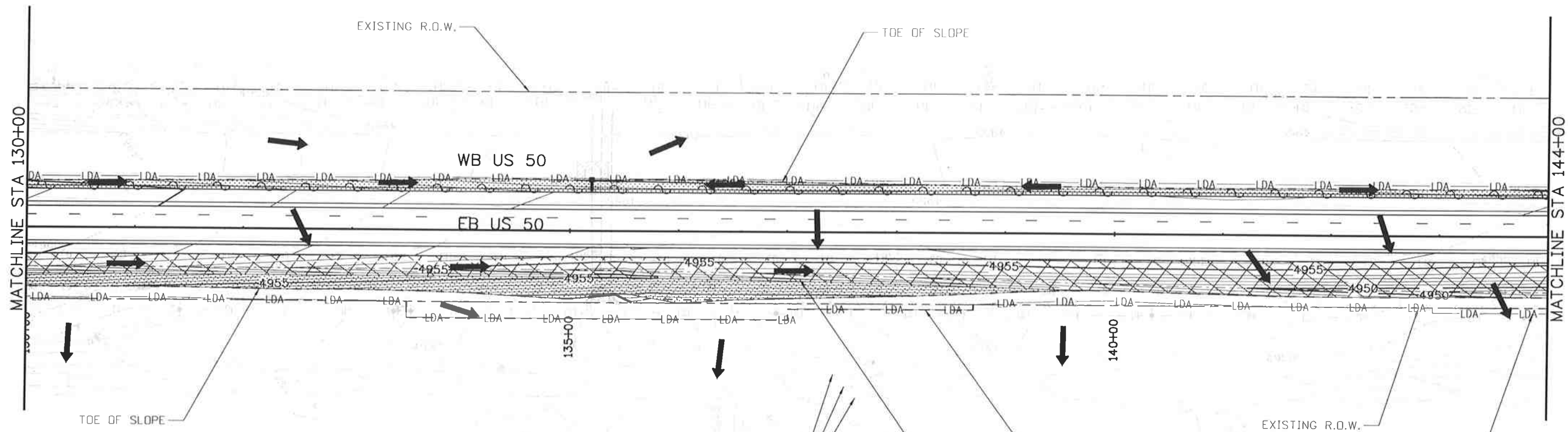
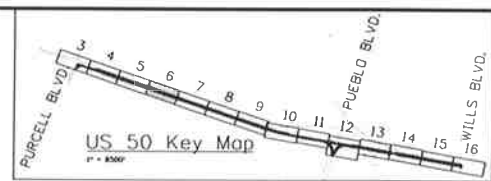
FSA 0503-081
19751
Sheet Number 225

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LEGEND

- LDA- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◻ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
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- ▨ STORM DRAIN INLET PROTECTION
- ▩ PIPE EROSION LOG
- ▩ PIPE EROSION LOG-INLET

NOTES:
 1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
 2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

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 File Name: 19056DES_SWMP_06_Plan.dgn
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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN-FINAL**

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	EF	Subset Sheets:	EF06 of 16

Project No./Code

FSA 0503-081

19751

Sheet Number 226

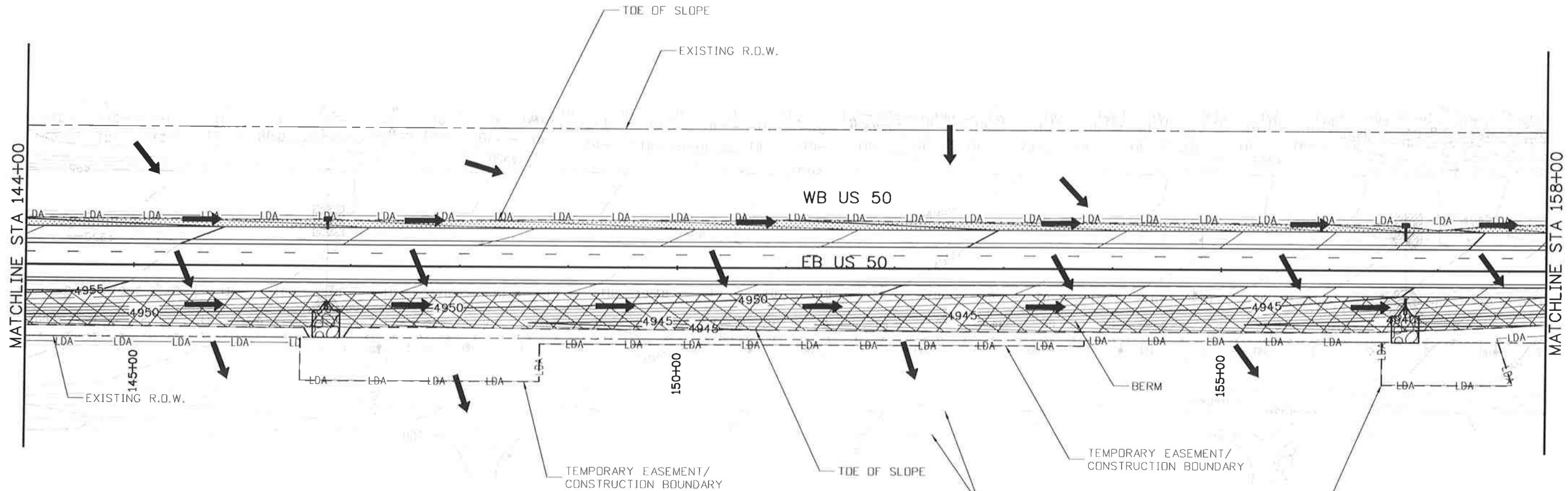
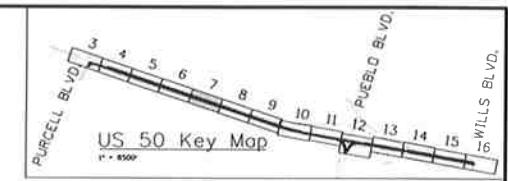
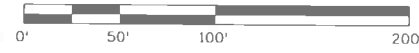


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LEGEND


- LDA- LIMITS OF DISTURBANCE
- ➔ DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◻ EXISTING WETLAND
- ▭ AGGREGATE BAG CURB CHECK
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- ▭ STORM DRAIN INLET PROTECTION
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- ▭ PIPE EROSION LOG-INLET

NOTES:
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Print Date: 10/28/2014
File Name: 19056DES_SWMP_07_Plan.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted

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Revised:
Void:

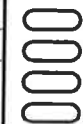
**US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
EROSION CONTROL PLAN-FINAL**

Designer:	AB	Structure Numbers	
Detailer:	AB		
Subset:	EF	Subset Sheets: EF07 of 16	

Project No./Code

FSA 0503-081
19751
Sheet Number 227

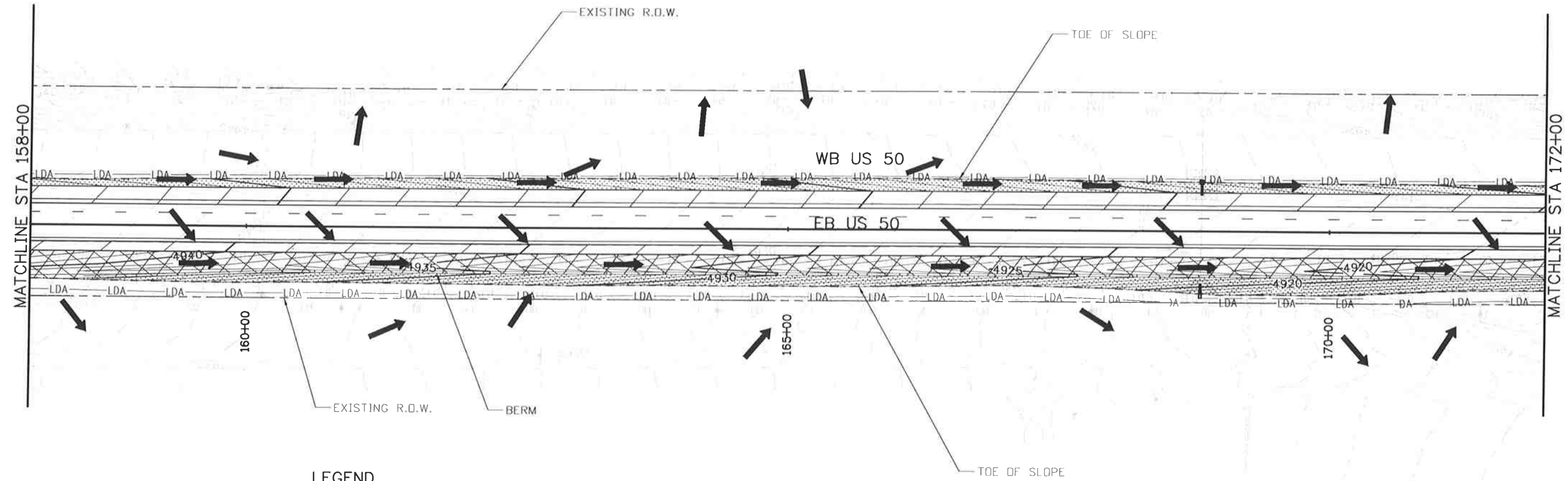
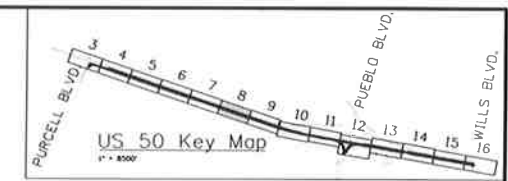
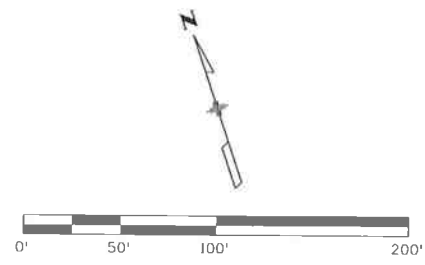
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LEGEND

- LDA- LIMITS OF DISTURBANCE
- ➔ DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◻ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
- ▩ DROP INLET PROTECTION
- ▨ STORM DRAIN INLET PROTECTION
- ▤ PIPE EROSION LOG
- ◻ PIPE EROSION LOG-INLET

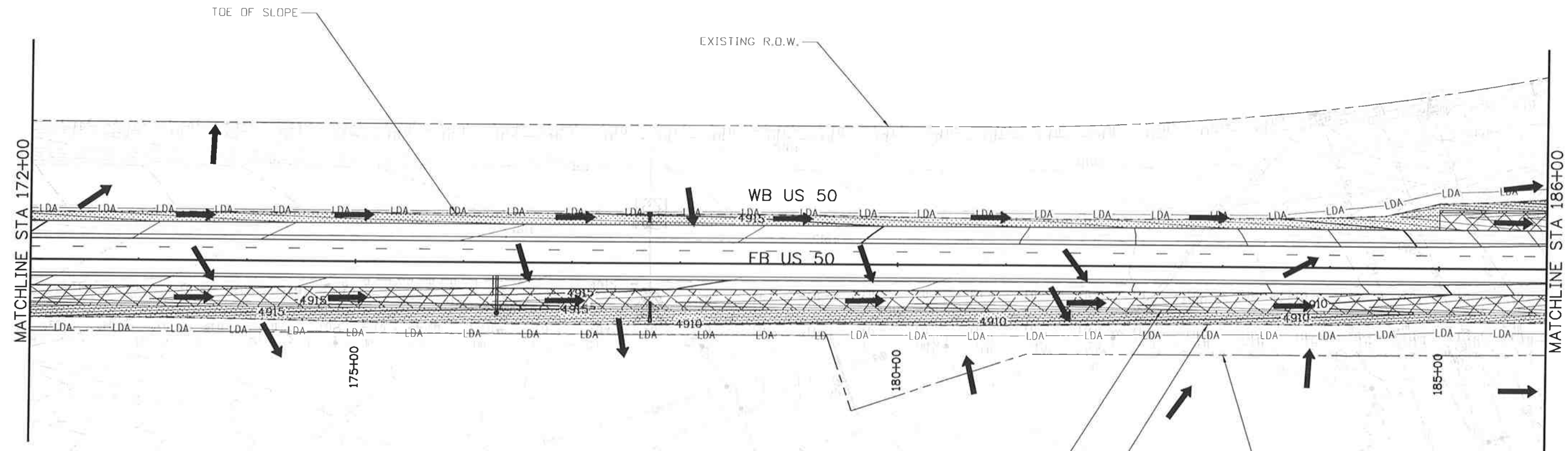
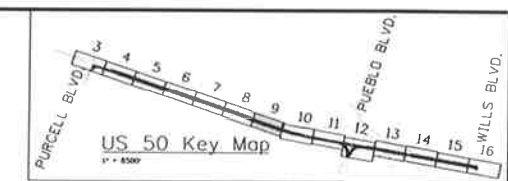
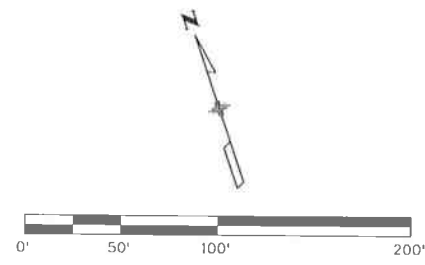
NOTES:
1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

Print Date: 10/28/2014		Sheet Revisions		Colorado Department of Transportation		As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. EROSION CONTROL PLAN-FINAL		Project No./Code	
File Name: 19056DES_SWMP_08_Plan.dgn		Date:	Comments	Init.	902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702		No Revisions:		FSA 0503-081		
Horiz. Scale: 1:100 Vert. Scale: As Noted					Region 2 DTD		Revised:		19751		
		J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120				Void:		Designer: AB Structure		Sheet Number 228	
								Detailer: AB Numbers			
								Subset: EF		Subset Sheets: EF08 of 16	

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Know what's below.
Call before you dig.



LEGEND

- LDA- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◻ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
- ▩ DROP INLET PROTECTION
- ▨ STORM DRAIN INLET PROTECTION
- ▤ PIPE EROSION LOG
- ◻ PIPE EROSION LOG-INLET

NOTES:
1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

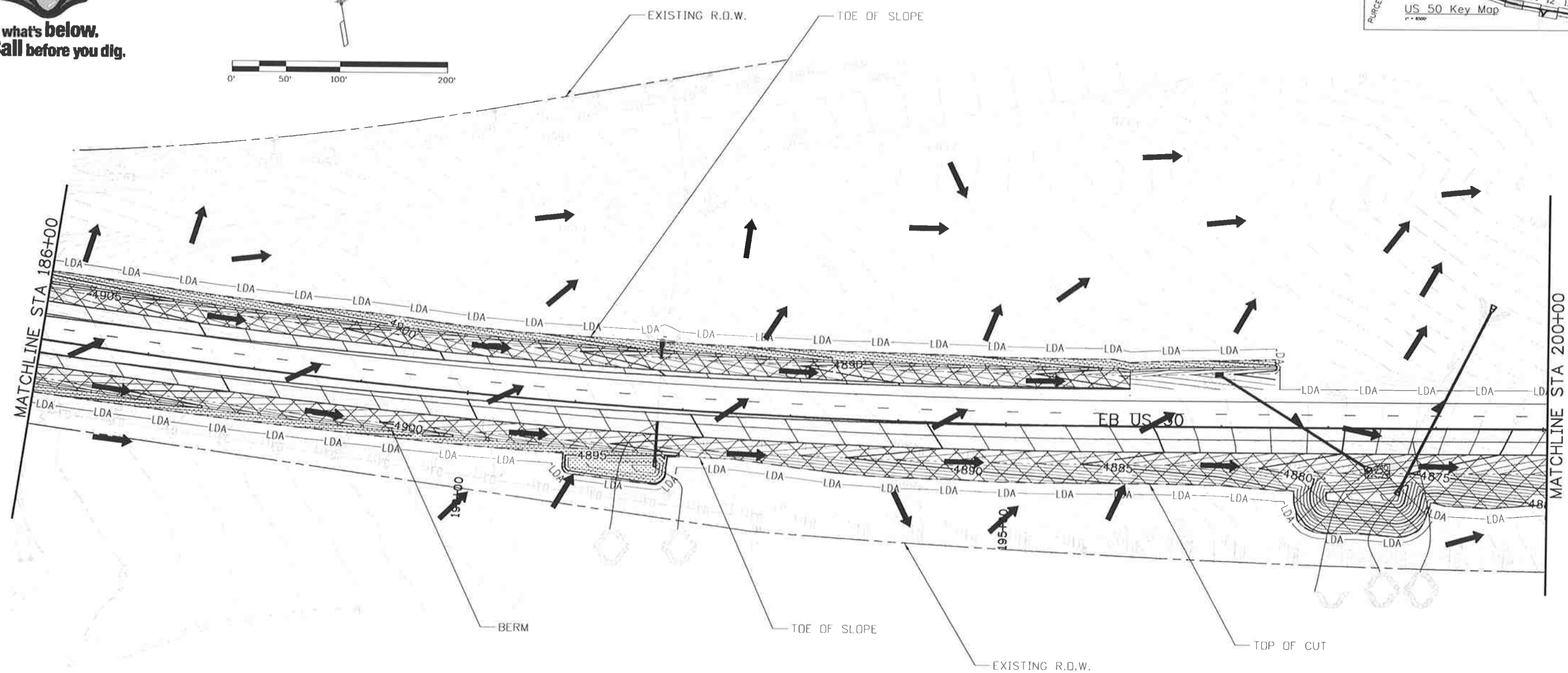
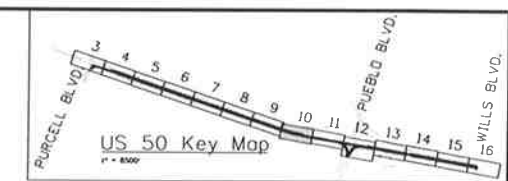
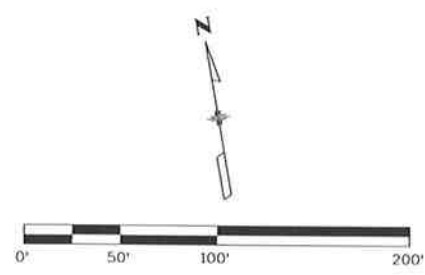
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 Littleton, Colorado 80120

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Know what's below.
Call before you dig.



LEGEND

- LDA- LIMITS OF DISTURBANCE
- ➔ DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ▧ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
- ▧ DROP INLET PROTECTION
- ▧ STORM DRAIN INLET PROTECTION
- ▧ PIPE EROSION LOG
- ▧ PIPE EROSION LOG-INLET

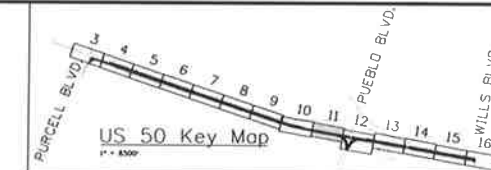
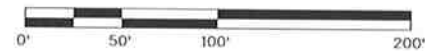
NOTES:
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Horiz. Scale: 1:100 Vert. Scale: As Noted				Region 2		Revised:		Detailer: AB Numbers		19751	
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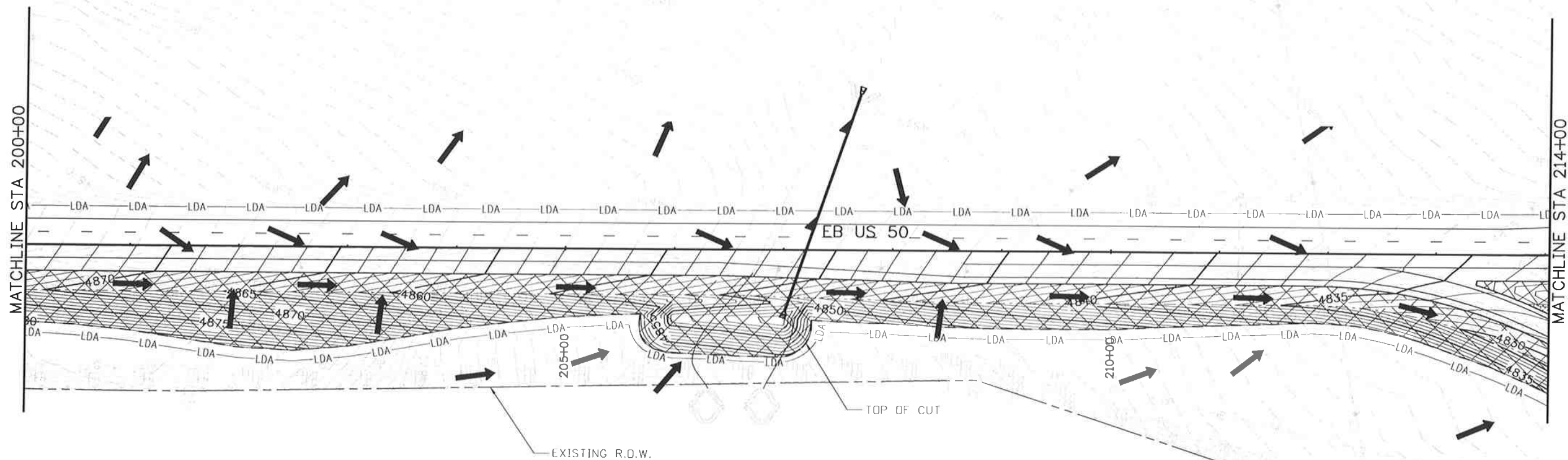
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EXISTING WETLAND



LEGEND

- LDA- LIMITS OF DISTURBANCE
- DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ◻ EXISTING WETLAND
- AGGREGATE BAG CURB CHECK
- DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- PIPE EROSION LOG
- PIPE EROSION LOG-INLET

NOTES:
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2. INTERMEDIATE BMP'S TO BE REMDVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

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Region 2

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**US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
EROSION CONTROL PLAN-FINAL**

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	EF	Subset Sheets:	EF11 of 16

Project No./Code

FSA 0503-081

19751

Sheet Number 231



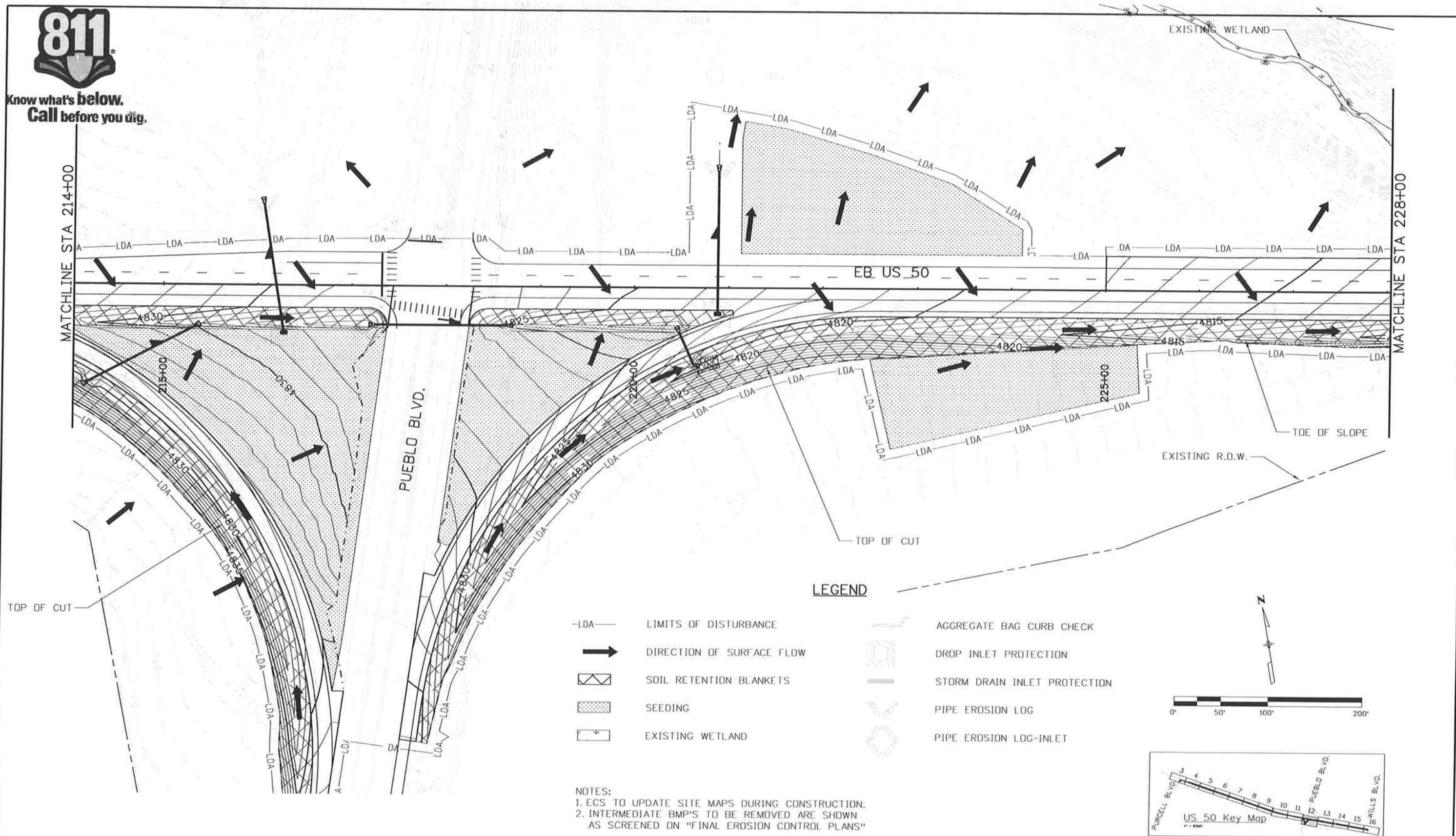
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Littleton, Colorado 80120



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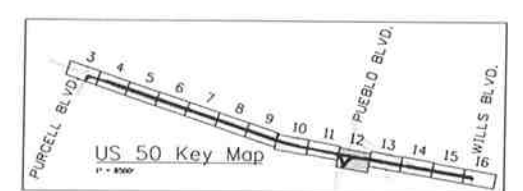
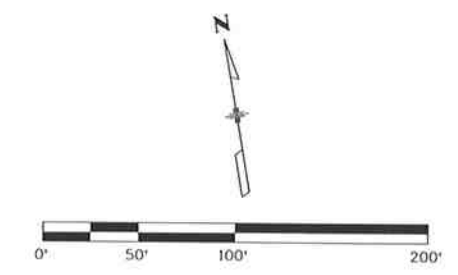
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LEGEND

- LDA- LIMITS OF DISTURBANCE
- ➔ DIRECTION OF SURFACE FLOW
- [Cross-hatched box] SOIL RETENTION BLANKETS
- [Dotted box] SEEDING
- [Wavy box] EXISTING WETLAND
- [Stippled box] AGGREGATE BAG CURB CHECK
- [Circle with 'X'] DROP INLET PROTECTION
- [Circle with 'S'] STORM DRAIN INLET PROTECTION
- [Circle with 'L'] PIPE EROSION LOG
- [Circle with 'L-I'] PIPE EROSION LOG-INLET

NOTES:
1. ECS TO UPDATE SITE MAPS DURING CONSTRUCTION.
2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"



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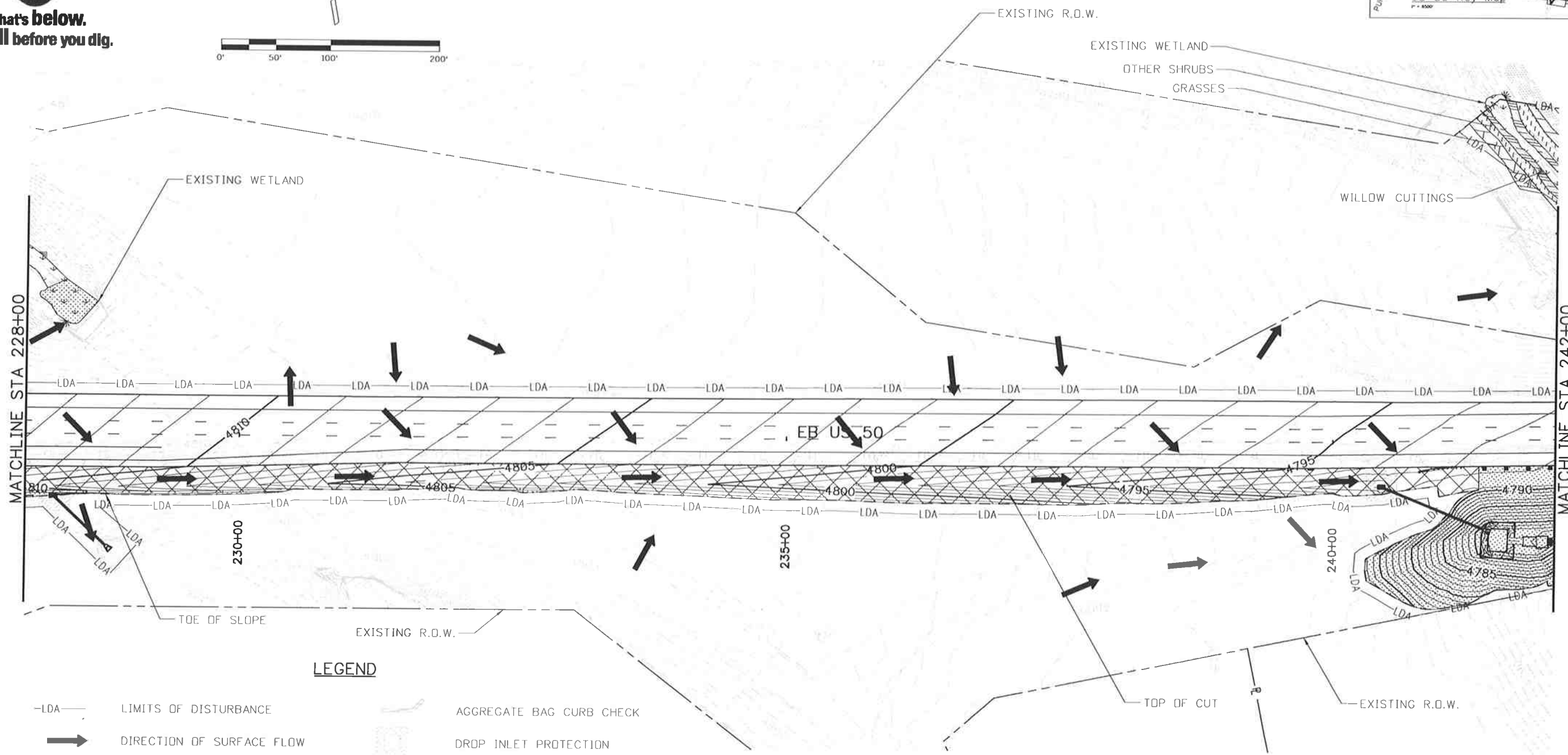
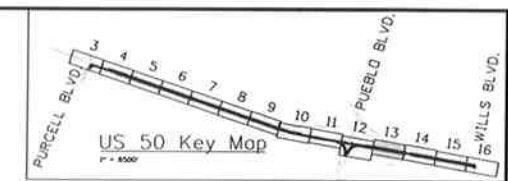
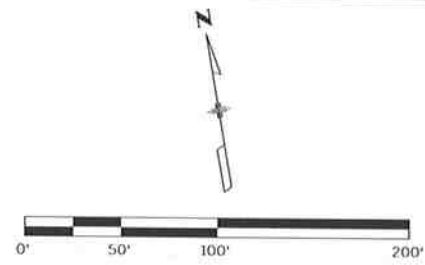
US 50 WEST PURCELL BLVD. TO WILLS BLVD. EROSION CONTROL PLAN-FINAL		
Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	EF	Subset Sheets: EF12 of 16

Project No./Code	FSA 0503-081
	19751
Sheet Number	232

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LEGEND

- LDA- LIMITS OF DISTURBANCE
- ➔ DIRECTION OF SURFACE FLOW
- ▨ SOIL RETENTION BLANKETS
- ▤ SEEDING
- ▥ EXISTING WETLAND
- ▧ AGGREGATE BAG CURB CHECK
- ▩ DROP INLET PROTECTION
- STORM DRAIN INLET PROTECTION
- PIPE EROSION LOG
- ▬ PIPE EROSION LOG-INLET
- ▭ WILLOW CUTTINGS
- ▮ GRASSES
- ▯ OTHER SHRUBS

NOTES:
1. EGS TO UPDATE SITE MAPS DURING CONSTRUCTION.
2. INTERMEDIATE BMP'S TO BE REMOVED ARE SHOWN AS SCREENED ON "FINAL EROSION CONTROL PLANS"

Print Date: 10/28/2014
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Void:

US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 EROSION CONTROL PLAN-FINAL

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	EF	Subset Sheets:	EF13 of 16

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 233

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TABULATION OF TRAFFIC ENGINEERING ITEMS

ITEM NUMBER	ITEM DESCRIPTION	UNIT	PROJECT TOTALS
202-00040	REMOVAL OF ELECTRICAL CONDUIT *	LF	30
202-00250	REMOVAL OF PAVEMENT MARKING *	SF	12,700
202-00720	REMOVAL OF CCTV CAMERA	EA	1
202-00750	REMOVAL OF LUMINAIRE	EA	4
202-00805	REMOVAL OF OVERHEAD SIGN STRUCTURE *	EA	1
202-00810	REMOVE OF GROUND SIGN	EA	46
202-00825	REMOVAL OF FLASING BEACON	EA	2
202-00827	REMOVAL OF PULL BOX *	EA	6
202-00831	REMOVAL OF TRAFFIC SIGNAL HEAD	EA	2
202-00840	REMOVAL OF TRAFFIC SIGNAL POLE	EA	3
202-00858	REMOVAL OF PEDESTAL POLE	EA	1
202-00860	REMOVAL OF PEDESTRIAN PUSH BUTTON	EA	2
210-00476	RESET MICROWAVE VEHICLE RADAR DETECTOR (MVRD)	EA	3
210-00750	RESET LIGHT STANDARD *	EA	1
210-00815	RESET SIGN PANEL	EA	1
210-00825	RESET FLASHING BEACON	EA	2
210-00858	RESET PEDESTAL POLE	EA	1
210-00890	RESET INTERSECTION DETECTION SYSTEM (CAMERA)	EA	6
503-00012	DRILLED CAISSON (12 INCH)	LF	7
503-00018	DRILLED CAISSON (18 INCH)	LF	4
503-00036	DRILLED CAISSON (36 INCH)	LF	19
503-00048	DRILLED CAISSON (48 INCH)	LF	74
604-39050	MANHOLE (TRAFFIC MANAGEMENT SYSTEM)	EA	4
613-00200	2 INCH ELECTRICAL CONDUIT	LF	90
613-00206	2 INCH ELECTRICAL CONDUIT (BORED)	LF	659
613-00306	3 INCH ELECTRICAL CONDUIT (BORED)	LF	800
613-07023	PULL BOX (24"X36"X24")	EA	8
613-07039	PULL BOX (30"X48"X18")	EA	1
613-10000	WIRING	LS	1
613-13006	LUMINARE (LED) (8500 LUMENS)	EA	4
613-40010	LIGHT STANDARD FOUNDATION *	EA	1
614-00011	SIGN PANEL (CLASS I)	SF	131
614-00012	SIGN PANEL (CLASS II)	SF	335
614-00013	SIGN PANEL (CLASS III)	SF	385
614-00615	STEEL SIGN POST (W 6X15)	LF	128
614-01502	STEEL SIGN SUPPORT (2 IN RD) (POST AND SOCKET)	LF	70
614-01572	STEEL SIGN SUPPORT (2-1/2 IN RD SCH 40) (POST AND SLIP BASE)	LF	290
614-03002	CONCRETE FOOTING (TYPE 2)	EA	8
614-10147	VARIABLE MESSAGE SIGN LED (OVERHEAD)	EA	1
614-32400	MONOTUBE OVERHEAD SIGN CANTLEVER (24 INCH DIAMETER)	EA	1
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN)	EA	8
614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EA	11
614-70448	TRAFFIC SIGNAL FACE (12-12-12-12)	EA	3
614-72860	PEDESTRIAN PUSH BUTTON	EA	7
614-72863	PEDESTRIAN PUSH BUTTON POST ASSEMBLY	EA	1
614-81150	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-50 FOOT MAST ARM)	EA	1
614-81160	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-60 FOOT MAST ARM)	EA	2
614-87011	FIBER OPTIC CABLE (SINGLE MODE) (24 STRAND)	LF	50
614-87524	SPLICE FIBER OPTIC CABLE (24 STRAND)	EA	1
621-00450	DETOUR PAVEMENT	SY	611

* FOR INFO ONLY

NOTE:
SCHEDULE OF TRAFFIC CONTROL DEVICES PROVIDED FOR INFORMATION ONLY.

TABULATION OF TRAFFIC ENGINEERING ITEMS

ITEM NUMBER	ITEM DESCRIPTION	UNIT	PROJECT TOTALS
627-00007	EPOXY PAVEMENT MARKING (SPECIAL)	GAL	179
627-00011	PAVEMENT MARKING PAINT (WATERBORNE)	GAL	400
627-30405	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)	SF	93
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOPLINE)	SF	903
630-00000	FLAGGING	HR	3,808
630-00007	TRAFFIC CONTROL INSPECTION	DAY	127
630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	238
630-80001	FLASHING BEACON (PORTABLE)	EA	10
630-80335	BARRICADE (TYPE 3 M-A) (TEMPORARY)	EA	3
630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EA	43
630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EA	91
630-80344	CONSTRUCTION TRAFFIC SIGN (SPECIAL)	SF	165
630-80358	ADVANCE WARNING FLASHING OR SEQUENCING ARROW PANEL (C TYPE)	EA	6
630-80359	PORTABLE MESSAGE SIGN	EA	4
630-80363	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)	EA	75
630-80370	CONCRETE BARRIER (TEMPORARY)	LF	3,000
630-80380	TRAFFIC CONE	EA	100
630-85011	IMPACT ATTENUATOR (TEMPORARY)	DAY	50

SCHEDULE OF TRAFFIC CONTROL DEVICES

SIGNS					
SIGN CODE	LEGEND	DIMENSION	PANEL SIZE		
			A	B	Special
			EA	EA	SF
FASTER	COLORADO AT WORK SIGN (SPECIAL)	66X60			165
G20-5	WORK ZONE	36X24	20		
G20-10	XYZ/CONSTRUCTION/THANKS YOU/555-555-5555	48X48		8	
G20-11	ROAD WORK INFORMATION	48X48		7	
M1-4	U.S. ROUTE SIGN	36X36	1		
M1-5A	STATE ROUTE SIGN	36X36	1		
M3-3	CARDINAL DIRECTION	36X18	1		
M3-4	CARDINAL DIRECTION	36X18	1		
M5-1L	ADVANCE TURN ARROW	30X21	2		
R1-2	YIELD	36X36	1		
R2-1	SPEED LIMIT	36X48		21	
R2-6(ap)	FINES/DOUBLE	36X24	6		
R3-7r	MANDATORY MOVEMENT RIGHT	30X30	1		
R4-1	DO NOT PASS	36X48		2	
R11-2	ROAD/CLOSED	48X30		4	
R52-6a	BEGIN FINES DOUBLE IN WORK ZONE	36X48		7	
R52-6b	END FINES DOUBLE IN WORK ZONE	36X48		8	
W1-2l	HORIZONTAL ALIGNMENT LEFT	48X48		2	
W1-4BL	REVERSE CURVE	48X48		2	
W1-4l	REVERSE CURVE	48X48		1	
W1-6r	ONE-DIRECTION LARGE ARROW RIGHT	60X30		2	
W1-9-3a	MIDDLE LANE CLOSED	48X48		2	
W3-3	SIGNAL AHEAD	48X48		2	
W4-1r	MERGE RIGHT	48X48		1	
W5-1	ROAD NARROWS	48X48		2	
W5-2	BRIDGE NARROWS	48X48		2	
W9-2l	LANE ENDS MERGE LEFT	48X48		1	
W12-1	DOUBLE ARROW	36X36	1		
W16-2a	ADVANCE DISTANCE	30X24	8		
W20-1	ROAD WORK	48X48		8	
W21-5	SHOULDER WORK	48X48		2	
W24-1aL	DOUBLE REVERSE CURVE LEFT	48X48		5	
W24-1aR	DOUBLE REVERSE CURVE RIGHT	48X48		2	
PROJECT TOTALS			43	91	165

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Vert. Scale: As Noted					Void:	TRAFFIC ENGINEERING ITEMS		
 J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120				Region 2	DTD	Subset: TR	Subset Sheets: TR1 of 1	Sheet Number 237

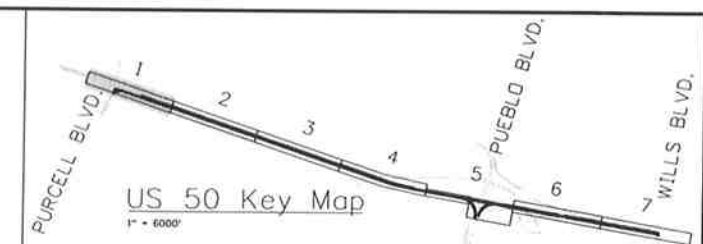
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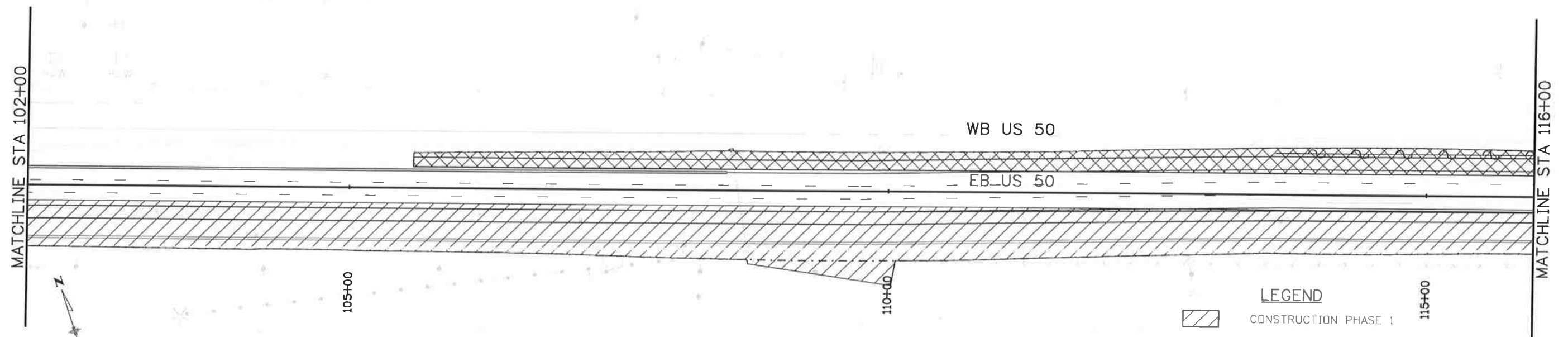
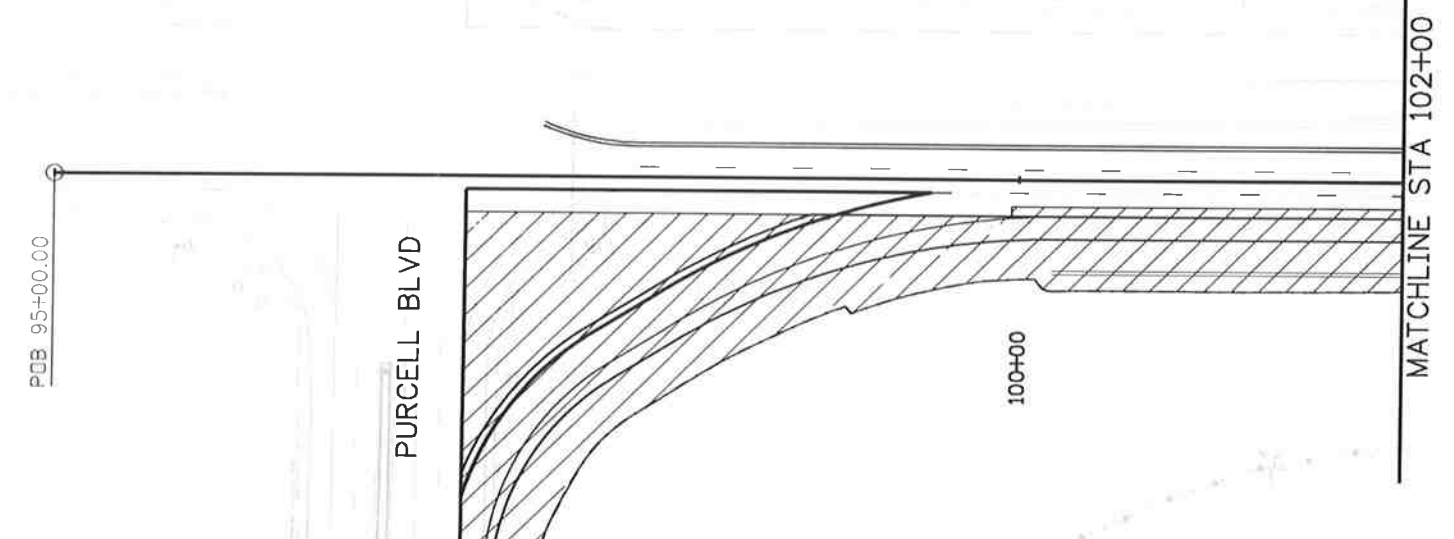
NOTE

MAINTAIN 2 LANES ON US 50 EB AT ALL TIMES
PHASE 1:
CONSTRUCT OUTSIDE LANE ON US 50 EB FROM 99+26 TO 116+00
CONSTRUCT NB RIGHT TURN LANE ON PURCELL BLVD.
MAINTAIN 2 LANES ON PURCELL BLVD. NB
PHASE 3:
CONSTRUCT INSIDE LANE ON US 50 EB FROM 105+59 TO 116+00



WB US 50

EB US 50



LEGEND

- CONSTRUCTION PHASE 1
- CONSTRUCTION PHASE 2A
- CONSTRUCTION PHASE 2B
- CONSTRUCTION PHASE 3
- CONSTRUCTION PHASE 4



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US 50 WEST PURCELL BLVD. TO WILLS BLVD. PROPOSED CONSTRUCTION PHASING		
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Detailer:	AB	Numbers
Subset:	CP	Subset Sheets: CP01 of 8

Project No./Code
FSA 0503-081
19751
Sheet Number 238

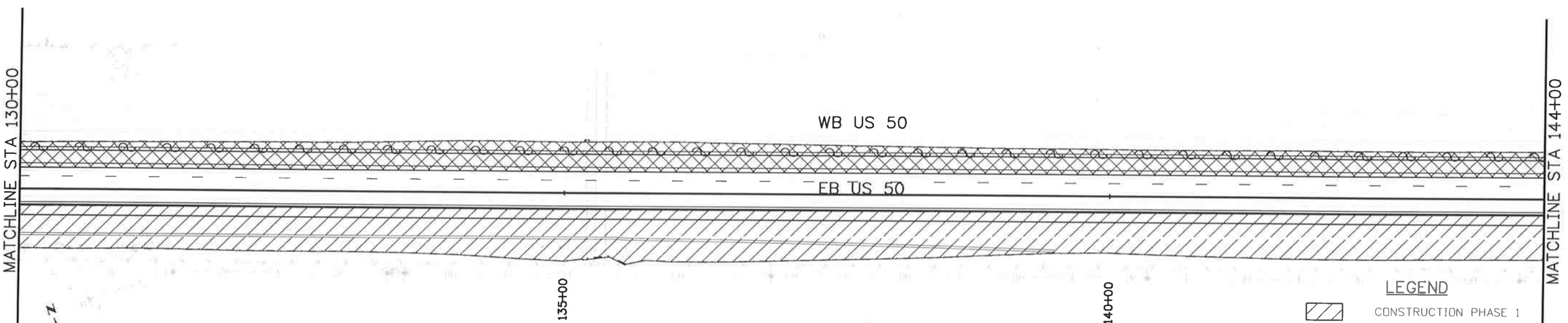
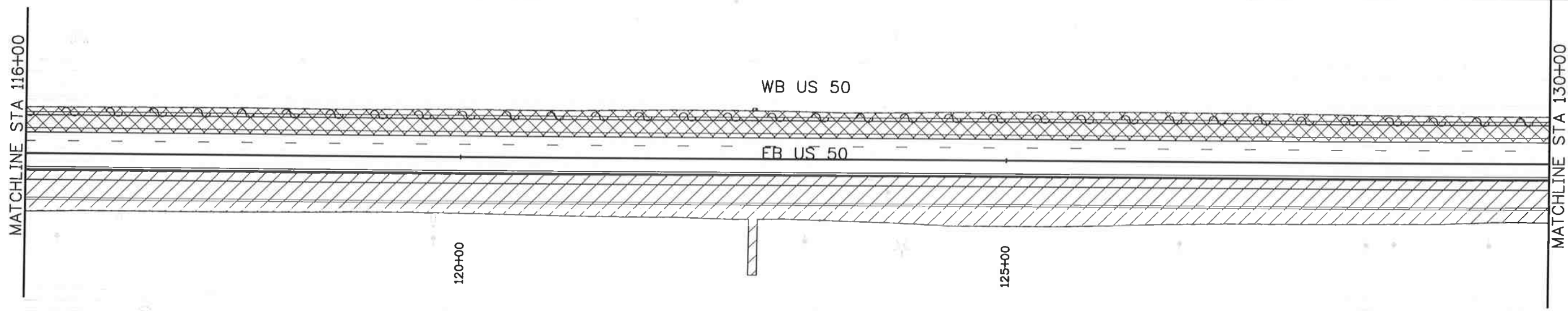
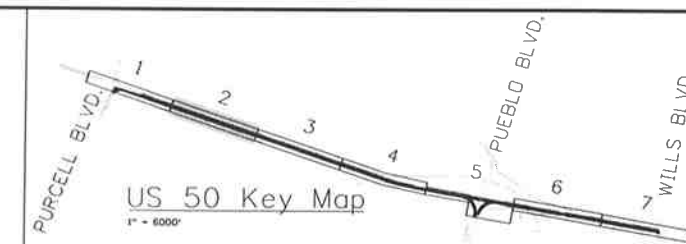
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Know what's below.
Call before you dig.

NOTE

MAINTAIN 2 LANES ON US 50 EB AT ALL TIMES
PHASE 1:
CONSTRUCT OUTSIDE LANE ON US 50 EB FROM 116+00 TO 144+00
COMPLETE PERMANENT EASEMENT GRADING FROM 122+48 TO 125+90
PHASE 3:
CONSTRUCT INSIDE LANE ON US 50 EB FROM 116+00 TO 144+00



LEGEND

	CONSTRUCTION PHASE 1
	CONSTRUCTION PHASE 2A
	CONSTRUCTION PHASE 2B
	CONSTRUCTION PHASE 3
	CONSTRUCTION PHASE 4

Print Date: 10/9/2014	<table border="1"> <thead> <tr><th colspan="3">Sheet Revisions</th></tr> <tr><th>Date:</th><th>Comments</th><th>Init.</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>	Sheet Revisions			Date:	Comments	Init.										<p>Colorado Department of Transportation</p> <p>902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702</p> <p>Region 2 DTD</p>	<p>As Constructed</p> <p>No Revisions:</p> <p>Revised:</p> <p>Void:</p>	<p>U.S. 50 WEST PURCELL BLVD. TO WILLS BLVD. PROPOSED CONSTRUCTION PHASING</p>		Project No./Code
Sheet Revisions																					
Date:		Comments	Init.																		
File Name: 19056DES_Construction Phasing_2.dgn	FSA 0503-081																				
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	J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120						Sheet Number 239														

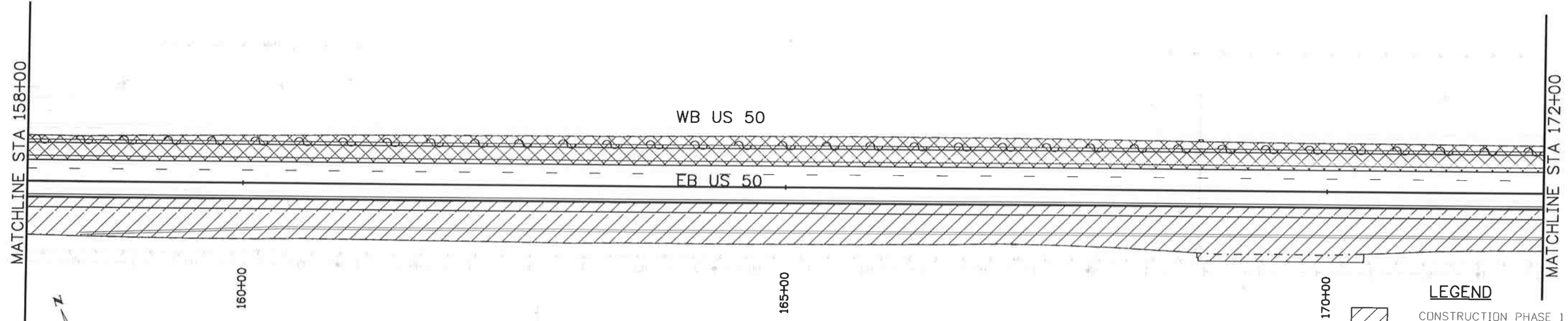
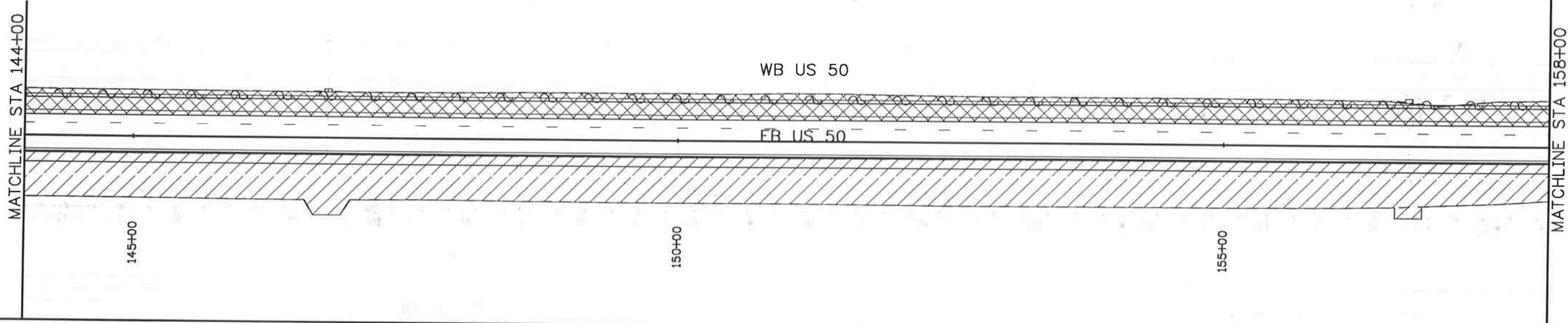
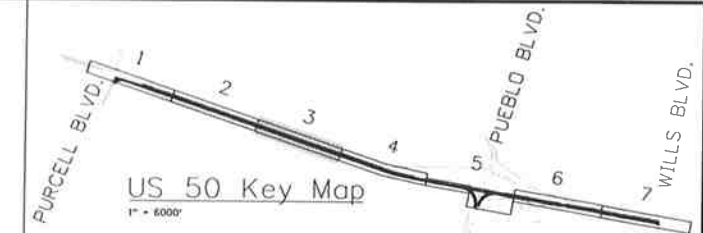
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Know what's below.
Call before you dig.

NOTE

MAINTAIN 2 LANES ON US 50 EB AT ALL TIMES
 PHASE 1:
 CONSTRUCT OUTSIDE LANE ON US 50 EB FROM 144+00 TO 172+00
 COMPLETE PERMANENT EASEMENT GRADING FROM 146+58 TO 148+71,
 AND 156+49 TO 157+85
 PHASE 3:
 CONSTRUCT INSIDE LANE ON US 50 EB FROM 144+00 TO 172+00



LEGEND

	CONSTRUCTION PHASE 1
	CONSTRUCTION PHASE 2A
	CONSTRUCTION PHASE 2B
	CONSTRUCTION PHASE 3
	CONSTRUCTION PHASE 4



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Region 2 DTD

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No Revisions:
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 Void:

**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 PROPOSED CONSTRUCTION PHASING**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CP Subset Sheets: CP03of 8

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 240

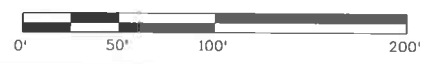
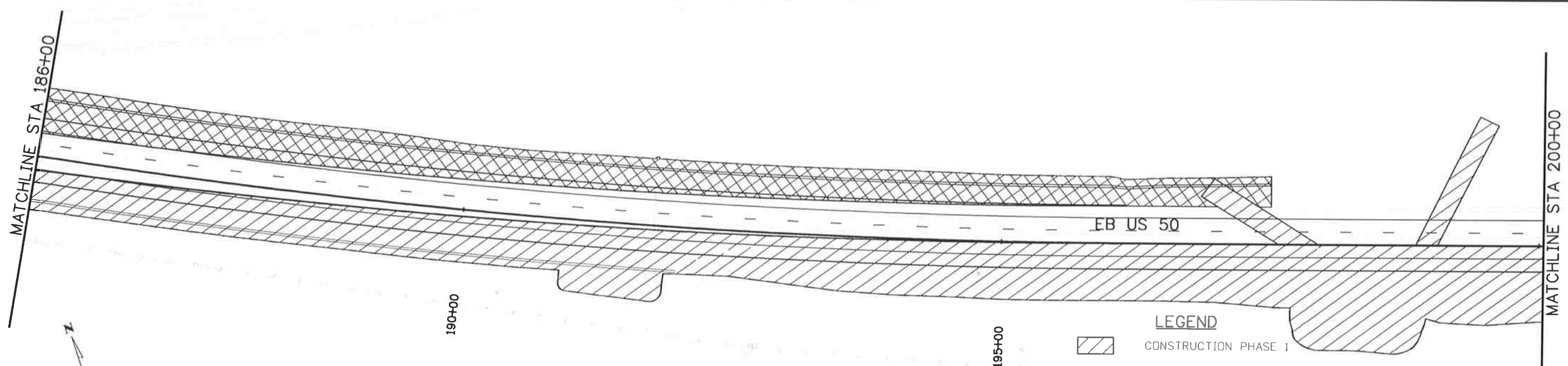
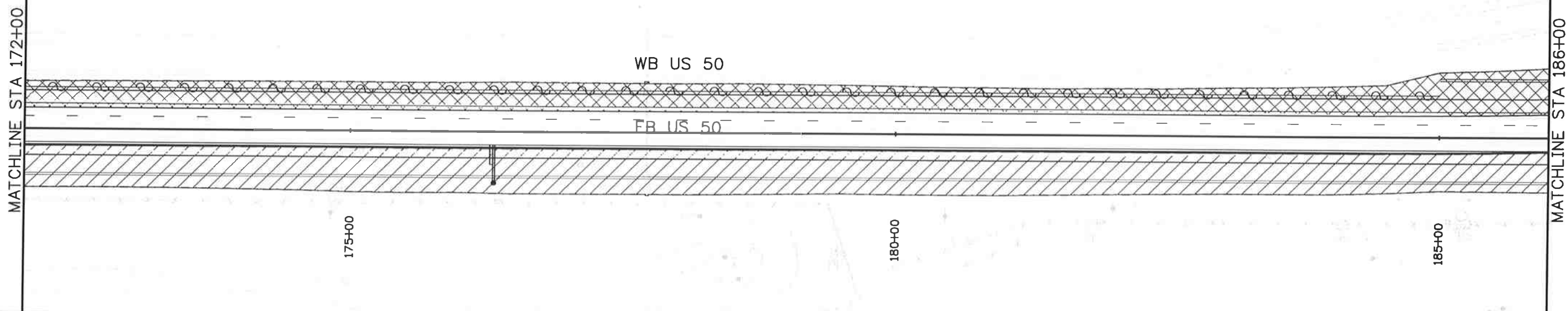
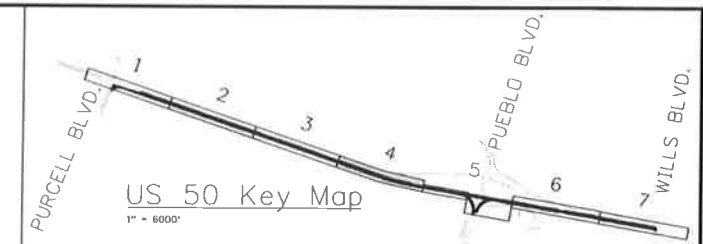
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NOTE

MAINTAIN 2 LANES ON US 50 EB AT ALL TIMES
 PHASE 1:
 CONSTRUCT OUTSIDE LANE ON US 50 EB FROM 172+00 TO 200+00
 PHASE 3:
 CONSTRUCT INSIDE LANE ON US 50 EB FROM 172+00 TO 197+50



LEGEND

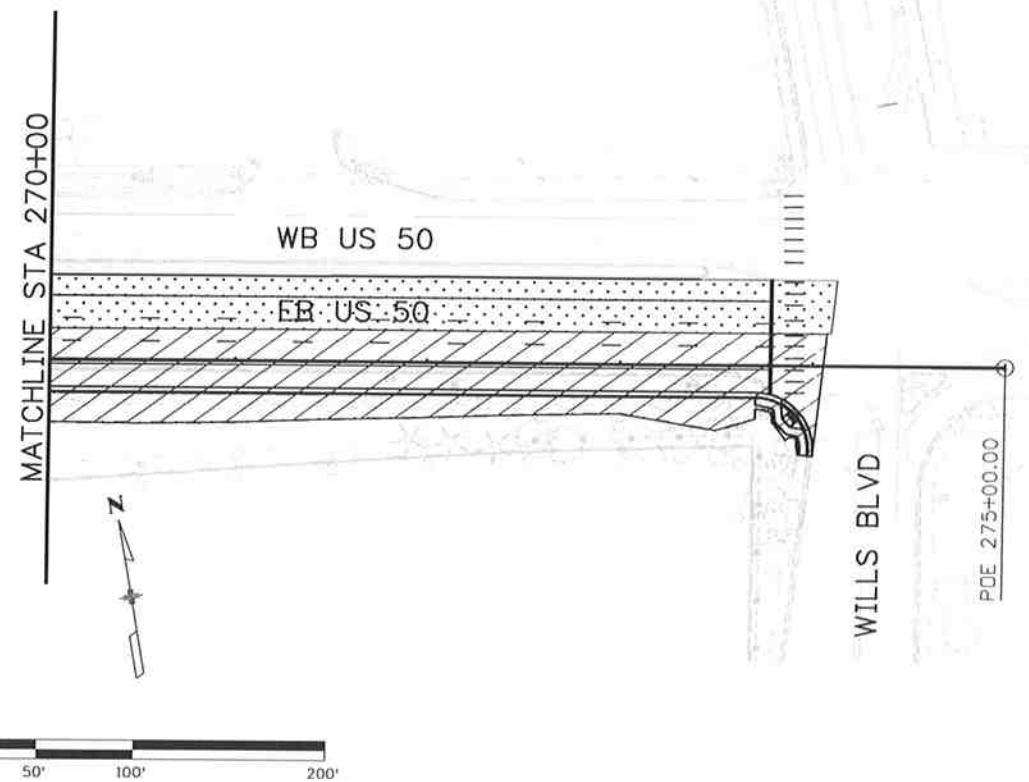
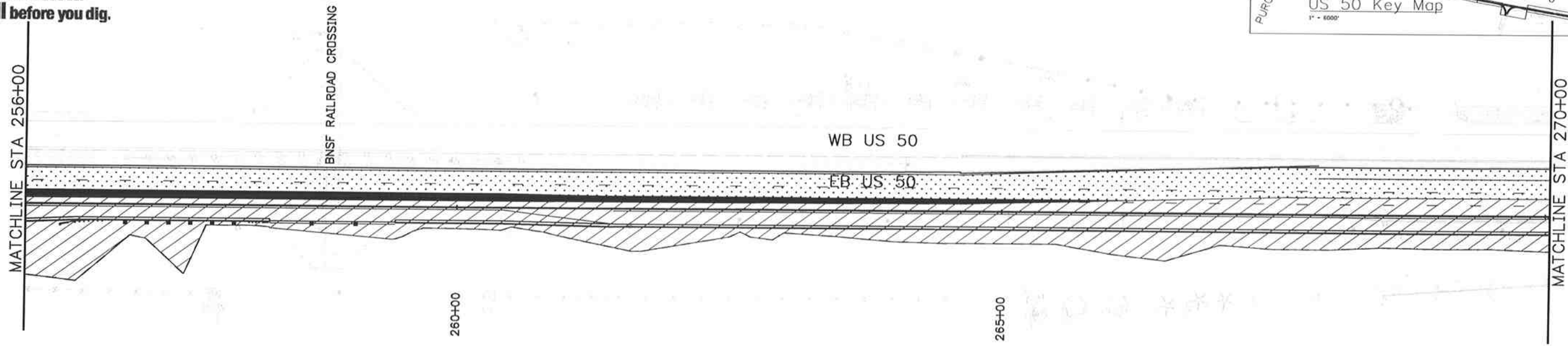
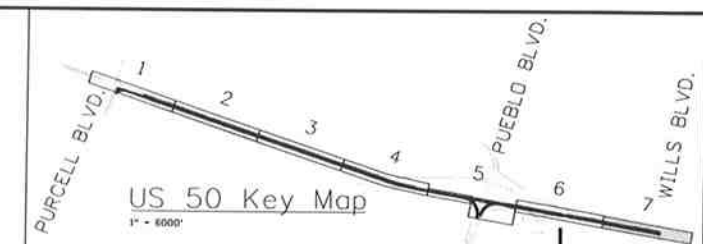
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	CONSTRUCTION PHASE 3
	CONSTRUCTION PHASE 4

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File Name: 19056DES_Construction Phasing_4.dgn		Horiz. Scale: 1:100 Vert. Scale: As Noted						Designer: AB Structure Detailer: AB Numbers Subset: CP Subset Sheets: CP04of 8		
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NOTE
MAINTAIN 2 LANES ON US 50 EB AT ALL TIMES
PHASE 1:
CONSTRUCT OUTSIDE LANE ON US 50 EB FROM 256+00 TO 273+98
PHASE 2A:
CONSTRUCT INSIDE LANE ON US 50 EB FROM 256+00 TO 273+98
PHASE 2B:
CONSTRUCT MIDDLE LANE ON US 50 EB FROM 256+00 TO 266+22

LEGEND

	CONSTRUCTION PHASE 1
	CONSTRUCTION PHASE 2A
	CONSTRUCTION PHASE 2B
	CONSTRUCTION PHASE 3
	CONSTRUCTION PHASE 4

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US 50 WEST
 PURCELL BLVD. TO WILL'S BLVD.
 PROPOSED CONSTRUCTION PHASING

Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	CP	Subset Sheets: CP07of 8

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 244

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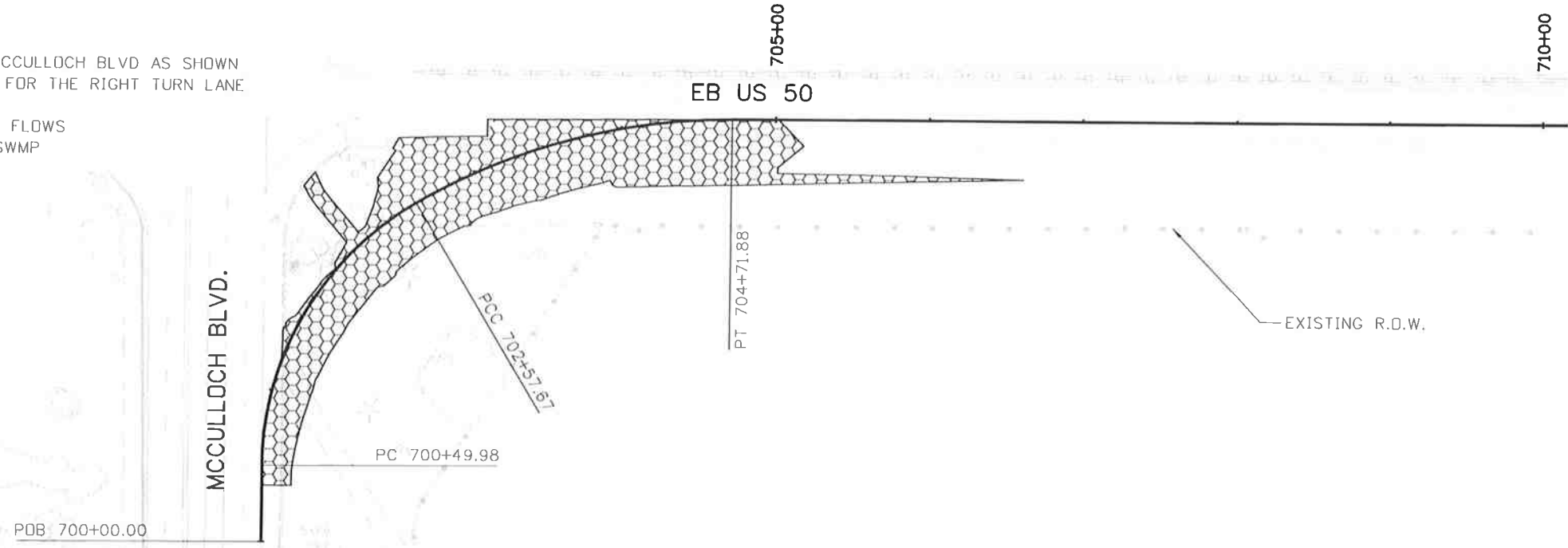
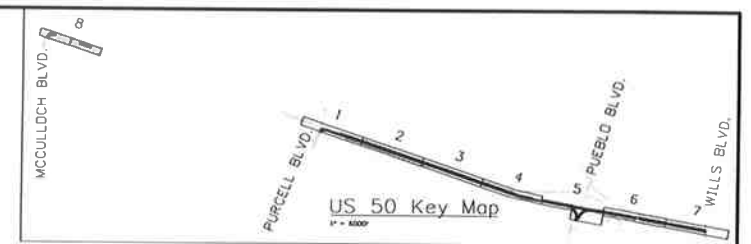


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NOTE






TRAFFIC CONTROL:
MCCULLOCH BLVD TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON MCCULLOCH BLVD NB
LANE SHIFTS AT INTERSECTION OF US 50/MCCULLOCH BLVD
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB
CLOSE EXISTING ACCELERATION LANE

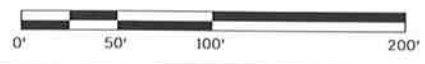
CONSTRUCTION PHASE 4:
CONSTRUCT RIGHT TURN LANE ON MCCULLOCH BLVD AS SHOWN
CONSTRUCT WATER QUALITY SWALE FOR THE RIGHT TURN LANE
CONSTRUCT CROSS PIPE AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



EXISTING R.O.W.

LEGEND

-  CONSTRUCTION PHASE 1
-  CONSTRUCTION PHASE 2A
-  CONSTRUCTION PHASE 2B
-  CONSTRUCTION PHASE 3
-  CONSTRUCTION PHASE 4



Print Date: 10/9/2014	
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US 50 WEST MCCULLOCH BLVD. PROPOSED CONSTRUCTION PHASING			
Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CP	Subset Sheets: CP08of	8

Project No./Code	
FSA 0503-081	
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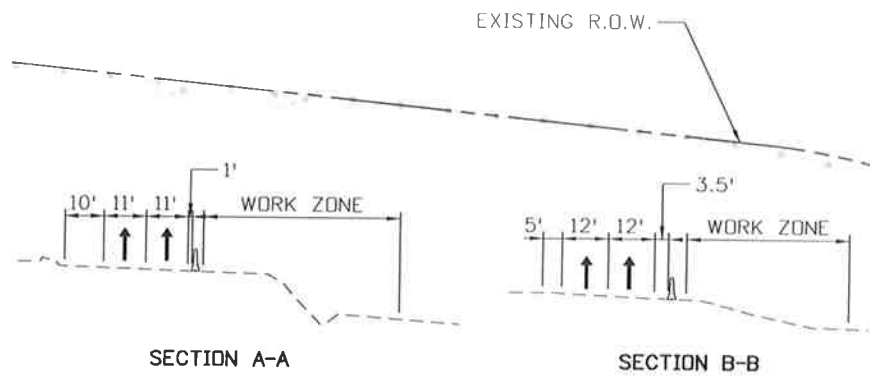


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PHASE 1

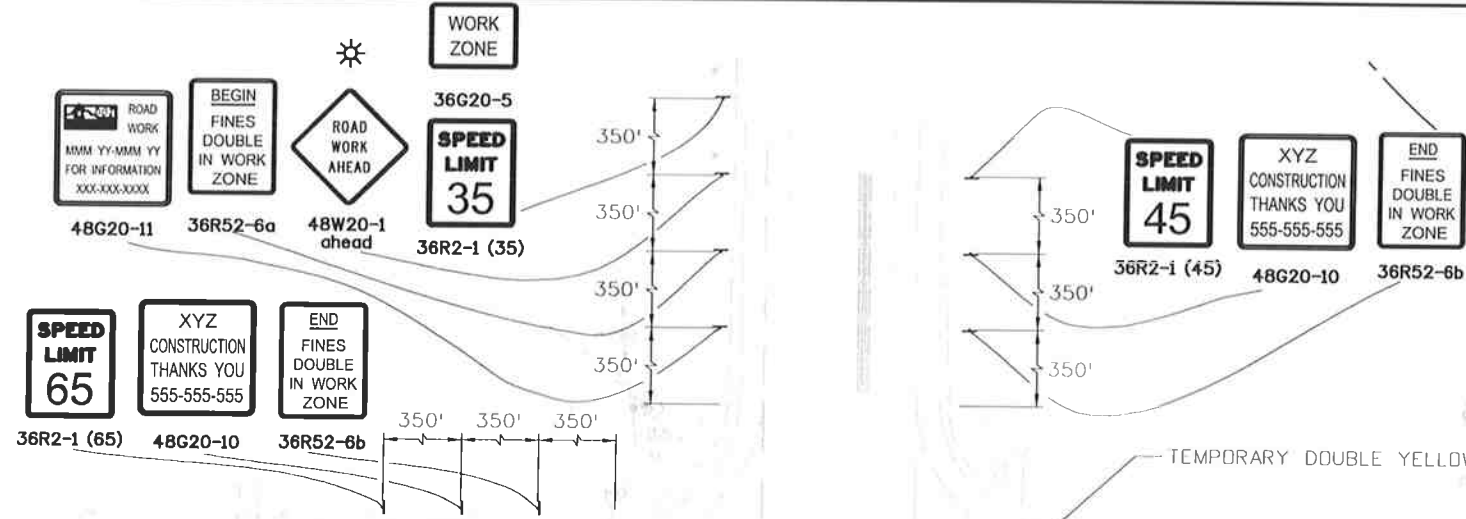
TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB
LANE SHIFTS AT INTERSECTION OF US 50/PURCELL BLVD
MAINTAIN 2 LANES ON PURCELL BLVD NB

CONSTRUCTION:
CONSTRUCT RIGHT TURN LANE ON PURCELL BLVD AS SHOWN
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



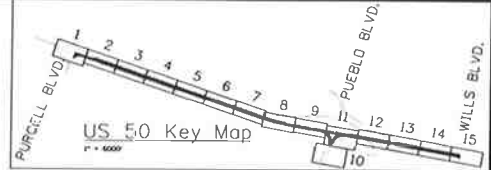
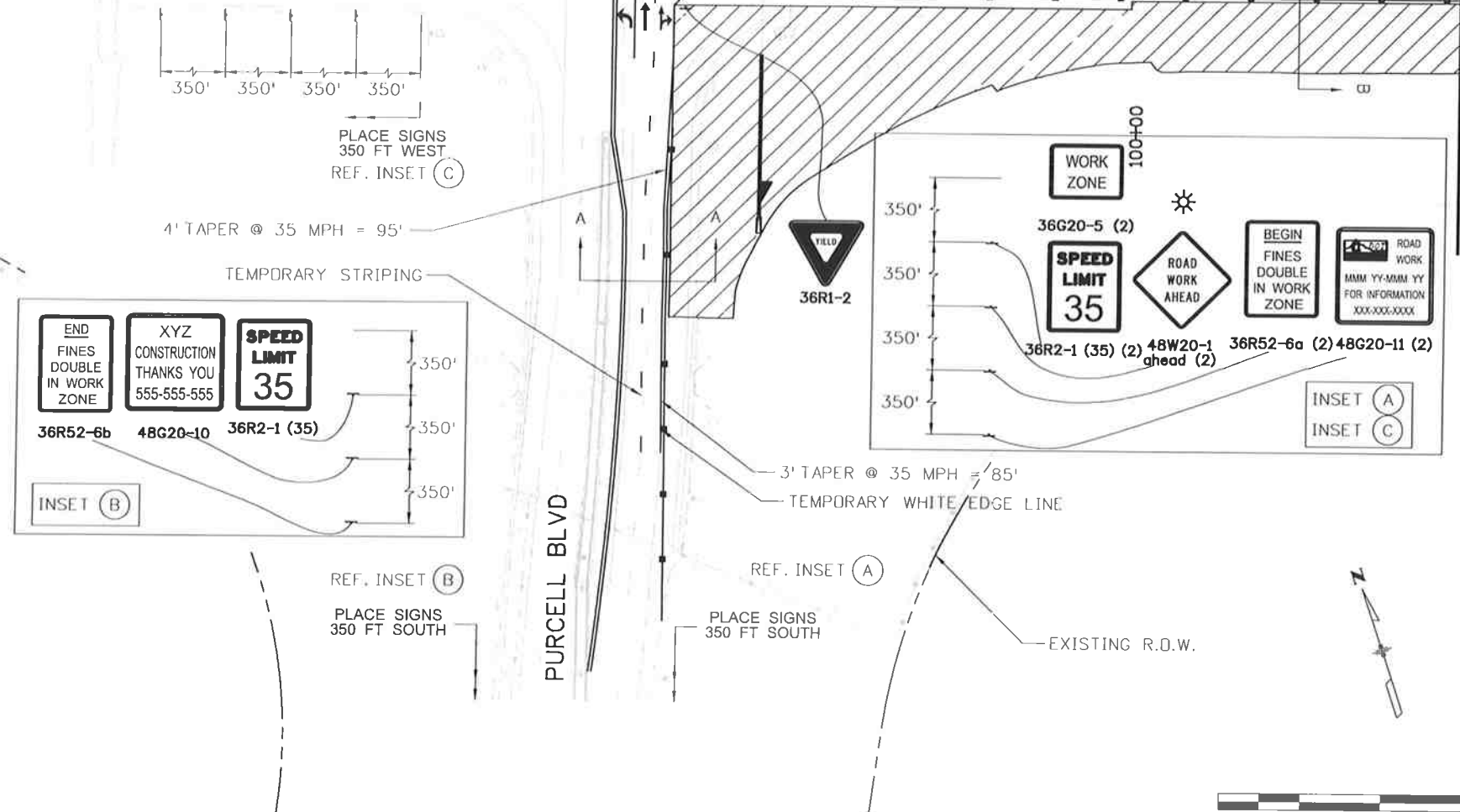
LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▩ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



WB US 50

EB US 50



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US 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASE 1		
Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	CT	Subset Sheets: CT01 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 246

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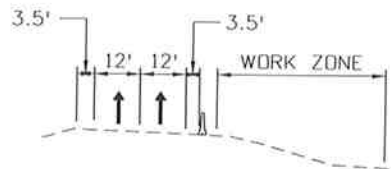
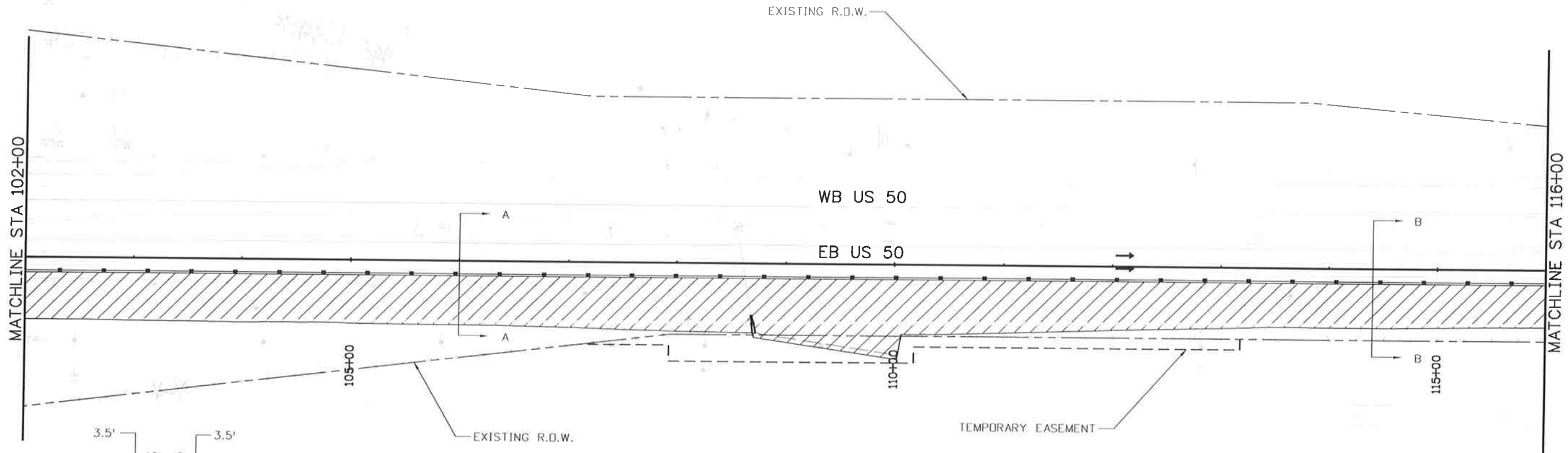
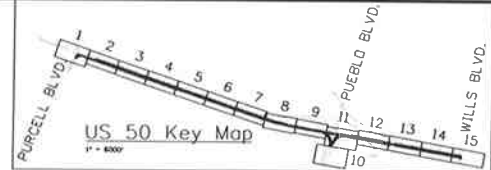


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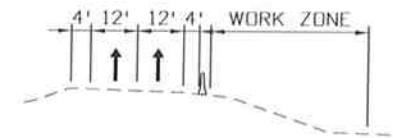
PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP
OFFSITE GRADING, WITHIN TE SHOWN, TO ENSURE DRAINAGE



SECTION A-A



SECTION B-B



LEGEND	
←	TRAVEL DIRECTION
▨	CONSTRUCTION ZONE
▤	COMPLETED CONSTRUCTION
■	TEMPORARY HOT MIX ASPHALT
⚡	FLASHING BEACON
—■—	TYPE 7 BARRIER
▭	IMPACT ATTENUATOR
— — —	BARRICADE
—▲—	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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US 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASE 1		
Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	CT	Subset Sheets: CT02of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 247

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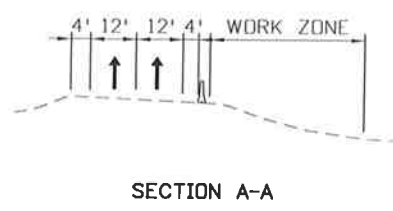
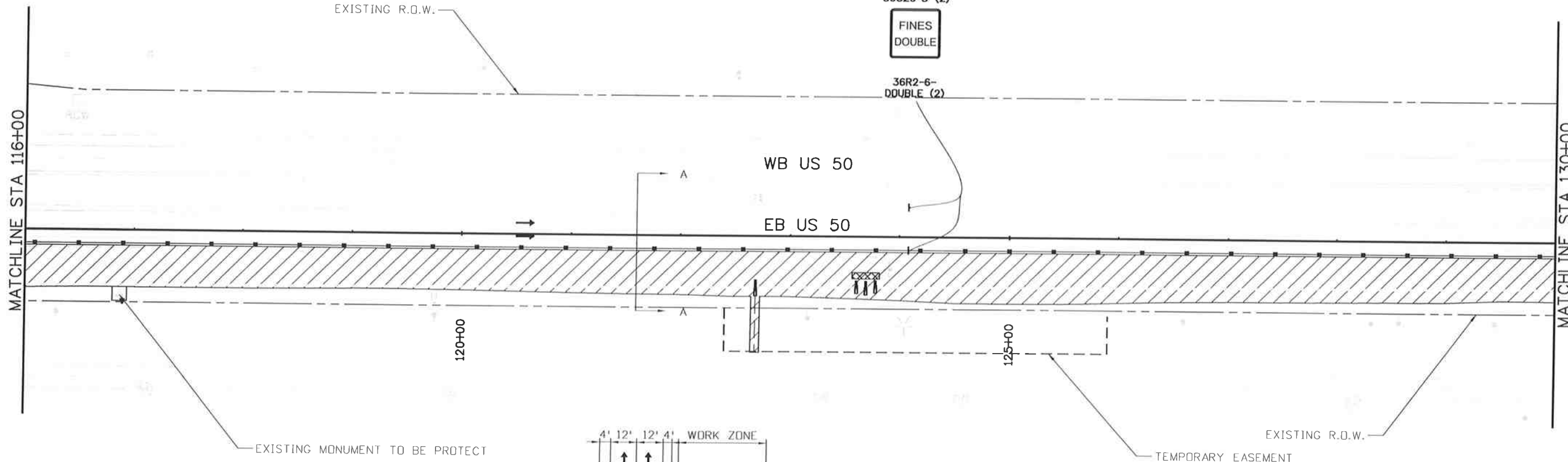
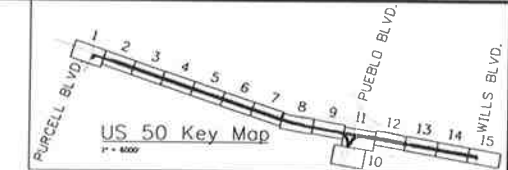


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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE AS SHOWN
OFFSITE GRADING, WITHIN TE SHOWN, TO ENSURE DRAINAGE
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP
PROTECT EXISTING MONUMENT AS SHOWN



LEGEND

	TRAVEL DIRECTION		TYPE 7 BARRIER
	CONSTRUCTION ZONE		IMPACT ATTENUATOR
	COMPLETED CONSTRUCTION		BARRICADE
	TEMPORARY HOT MIX ASPHALT		DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
	FLASHING BEACON		



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U.S. 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASE 1		
Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	CT	Subset Sheets: CT03of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 248

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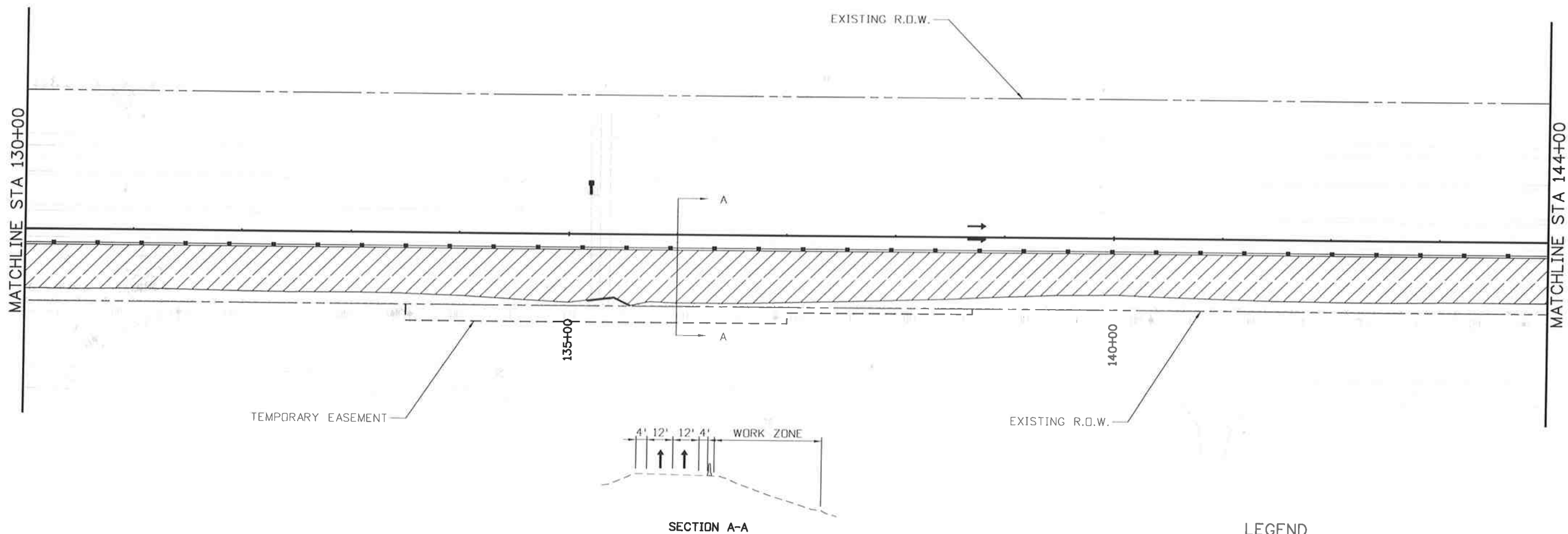
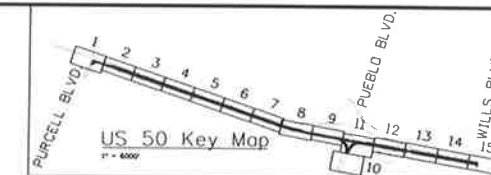


Know what's below.
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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE HEADWALL AS SHOWN
OFFSITE GRADING, WITHIN TE SHOWN, TO ENSURE DRAINAGE
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

←	TRAVEL DIRECTION	—■—	TYPE 7 BARRIER
▨	CONSTRUCTION ZONE	▭	IMPACT ATTENUATOR
▤	COMPLETED CONSTRUCTION	— — —	BARRICADE
■	TEMPORARY HOT MIX ASPHALT	—▲—	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
⚡	FLASHING BEACON		

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**US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
CTC - PHASE 1**

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT04 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 249

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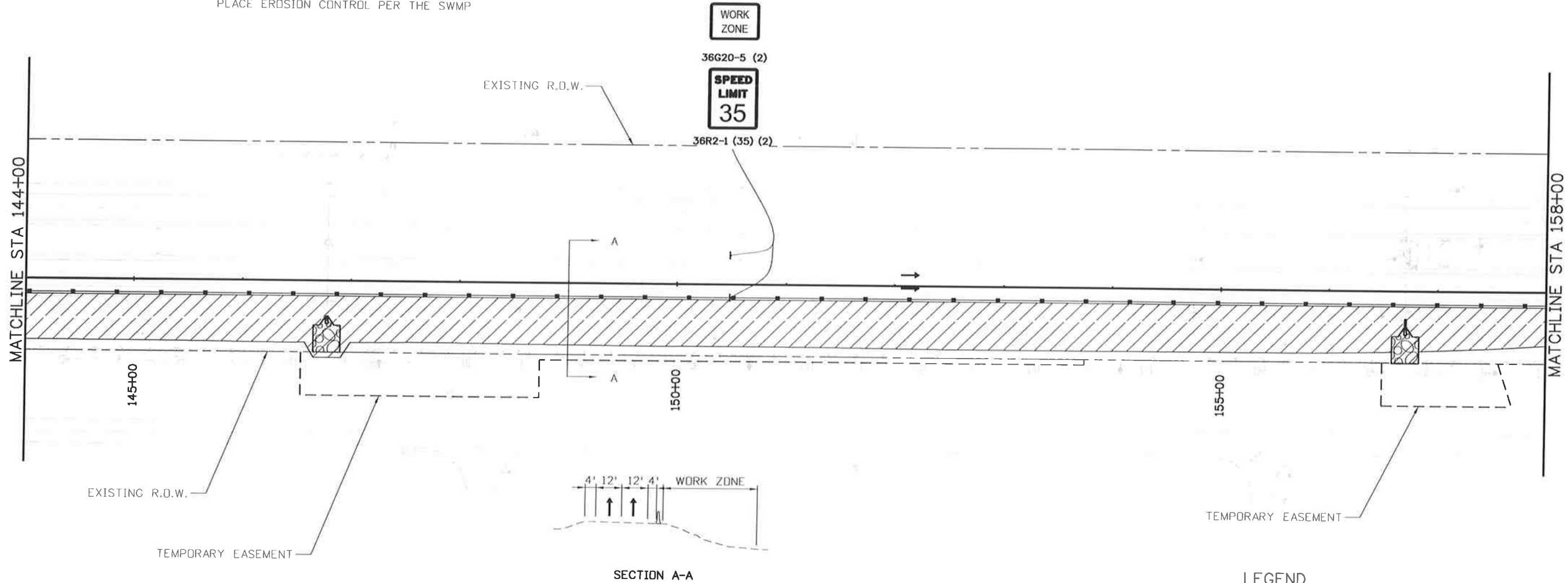
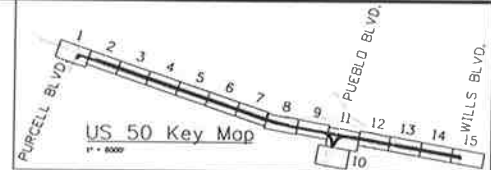


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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE AS SHOWN
OFFSITE GRADING, WITHIN TE SHOWN, TO ENSURE DRAINAGE
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ☼ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 1

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT05of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 250

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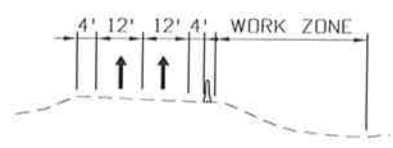
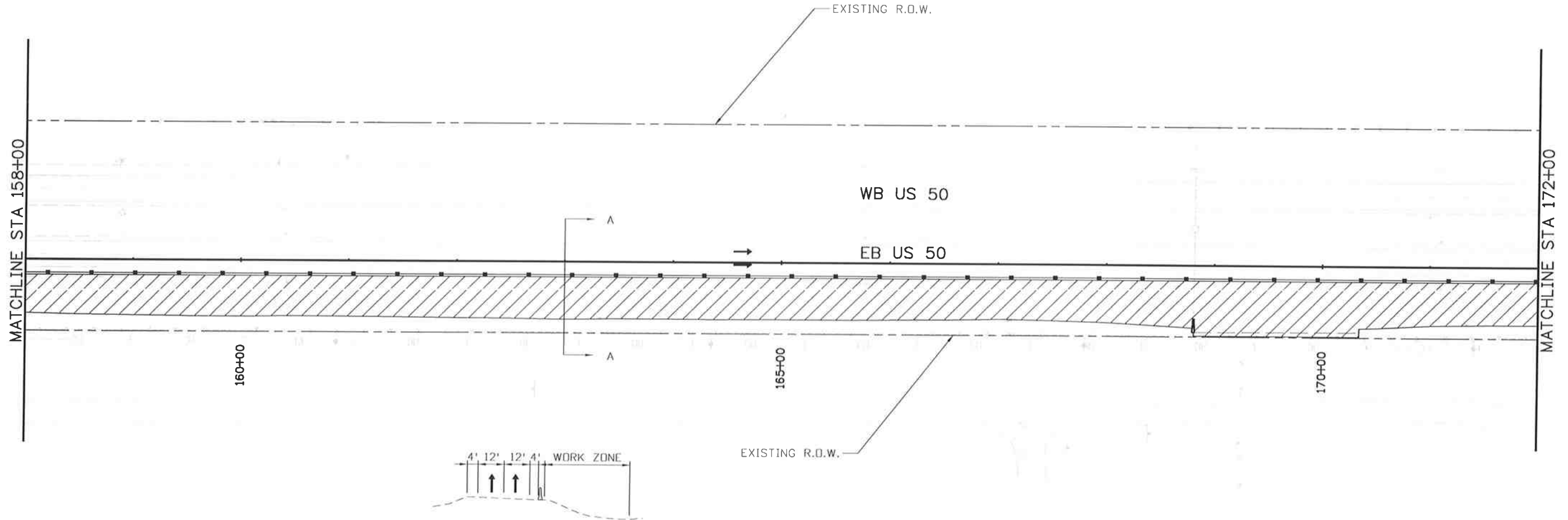
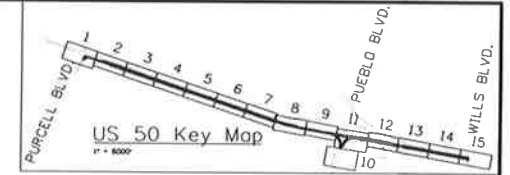


Know what's below.
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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPED AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



SECTION A-A

LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- || BARRICADE
- ▲— DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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US 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASE 1	
Designer: AB	Structure Numbers
Detailer: AB	
Subset: CT	Subset Sheets: CT06 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 251

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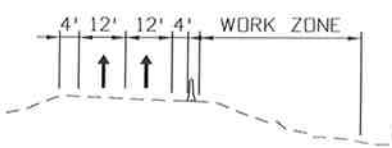
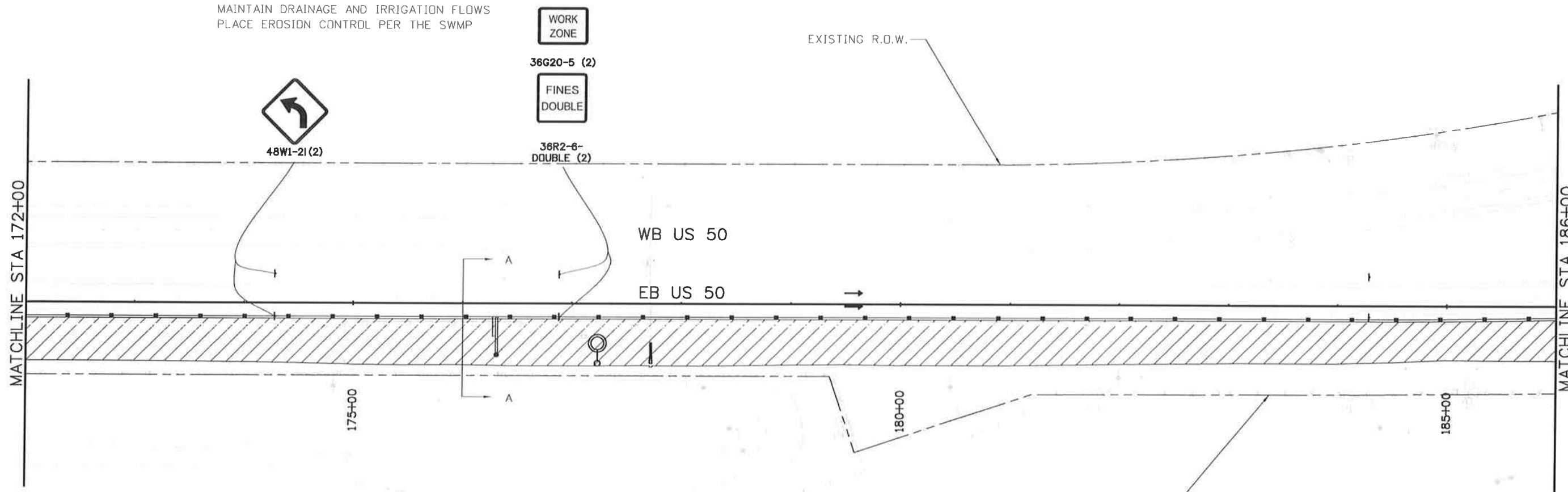
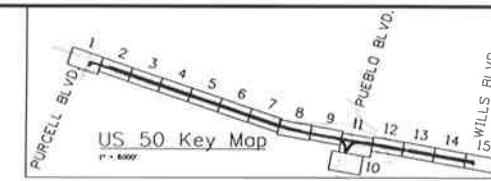


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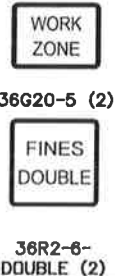
PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE AS SHOWN
RESET 1 LIGHT STANDARD
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



SECTION A-A



LEGEND

	TRAVEL DIRECTION		TYPE 7 BARRIER
	CONSTRUCTION ZONE		IMPACT ATTENUATOR
	COMPLETED CONSTRUCTION		BARRICADE
	TEMPORARY HOT MIX ASPHALT		DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
	FLASHING BEACON		

Print Date: 10/9/2014
 File Name: 19056DES_Construction Phasing1_7.dgn
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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 1**

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT07 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 252

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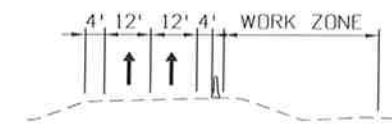
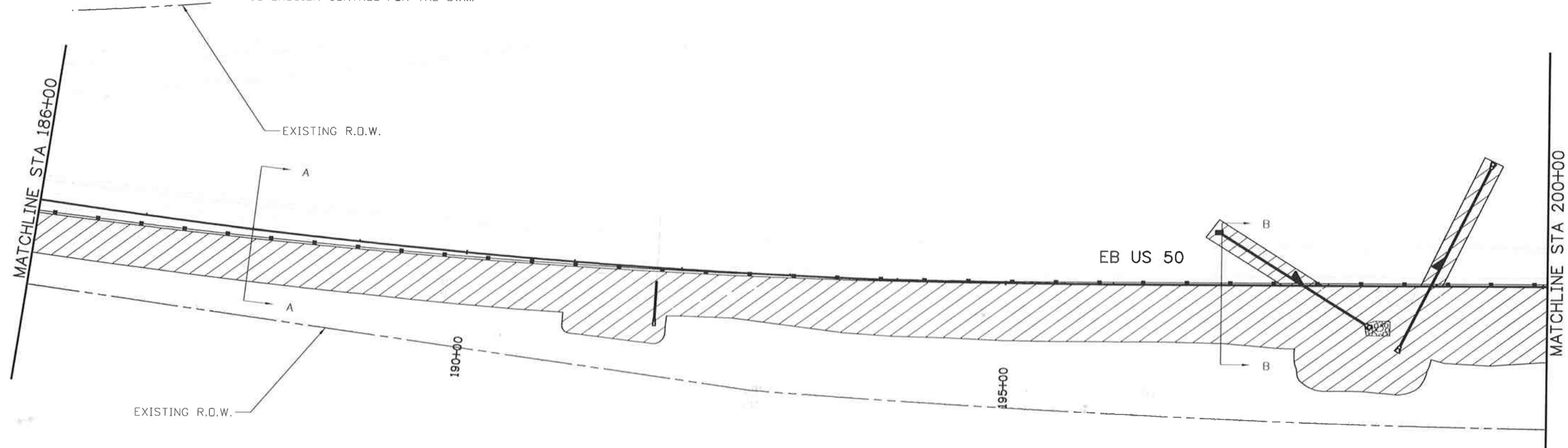
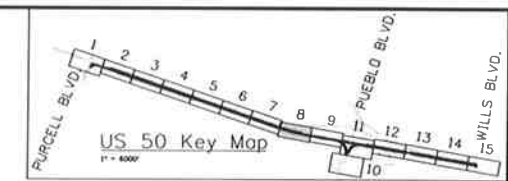


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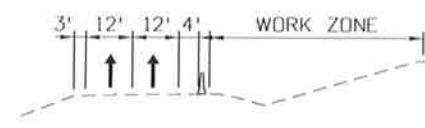
PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



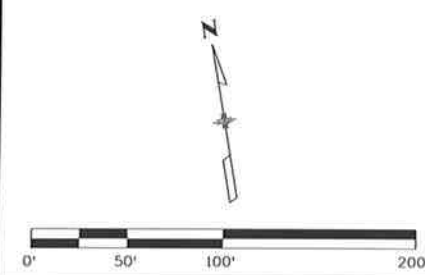
SECTION A-A



SECTION B-B

LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- |— BARRICADE
- ▲— DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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File Name: 19056DES_Construction Phasing1_8.dgn						No Revisions:				FSA 0503-081	
Horiz. Scale: 1:100 Vert. Scale: As Noted				Region 2 DTD		Revised:		Designer: AB Structure		19751	
J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120						Void:		Detailer: AB Numbers		Sheet Number 253	
						Subset: CT		Subset Sheets: CT08 of 33			

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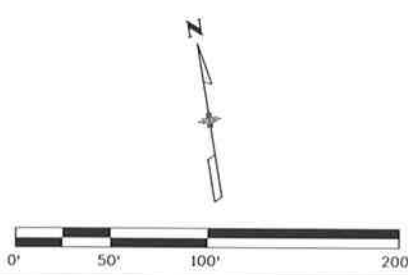
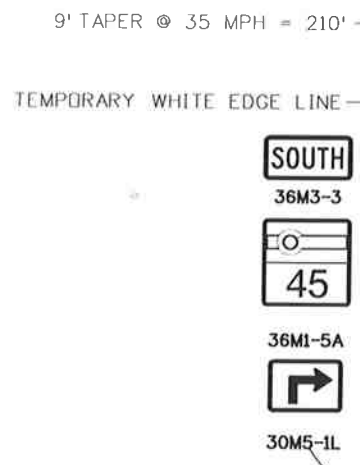
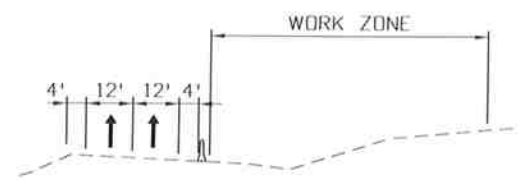
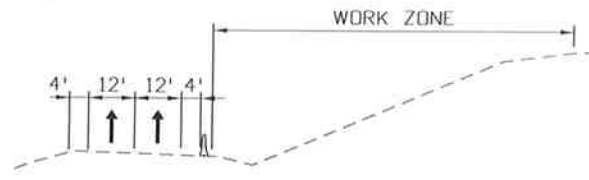
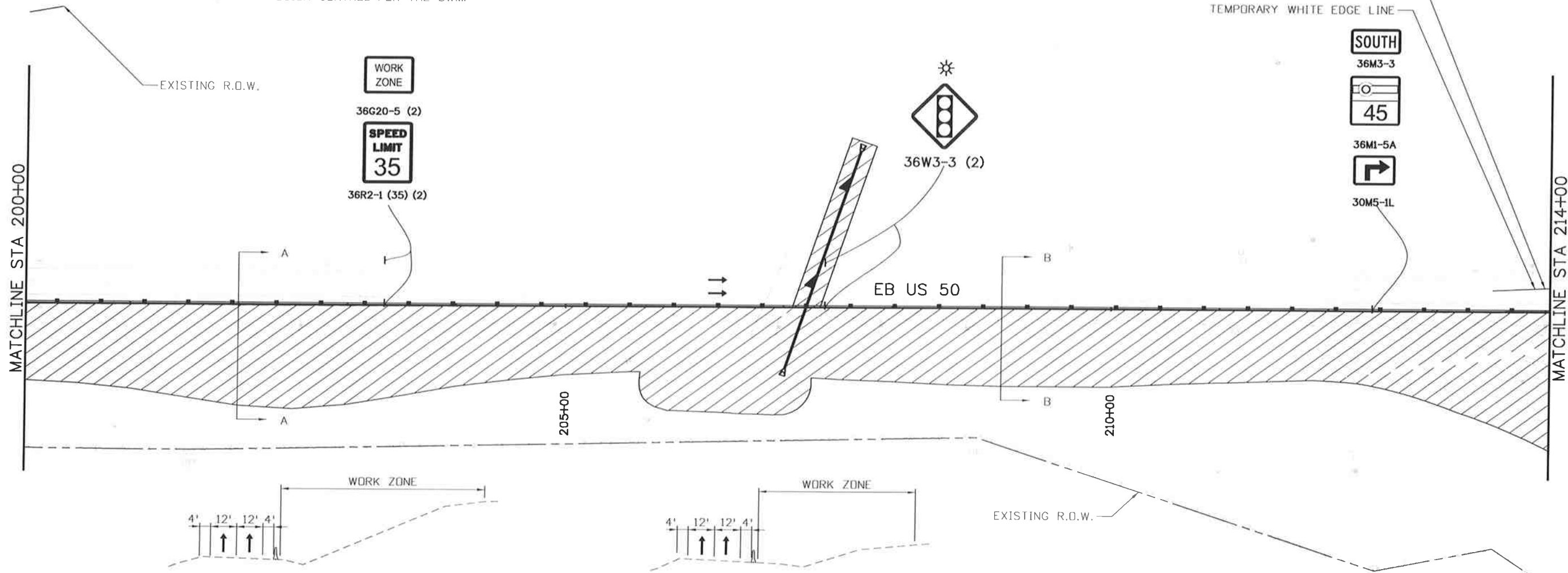
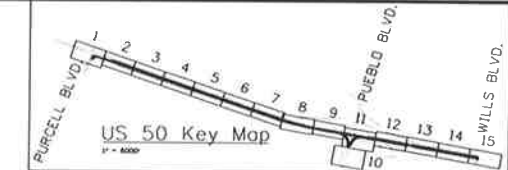


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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT CROSS PIPE AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

	TRAVEL DIRECTION		TYPE 7 BARRIER
	CONSTRUCTION ZONE		IMPACT ATTENUATOR
	COMPLETED CONSTRUCTION		BARRICADE
	TEMPORARY HOT MIX ASPHALT		DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
	FLASHING BEACON		

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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC -- PHASE 1**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT09 of 33

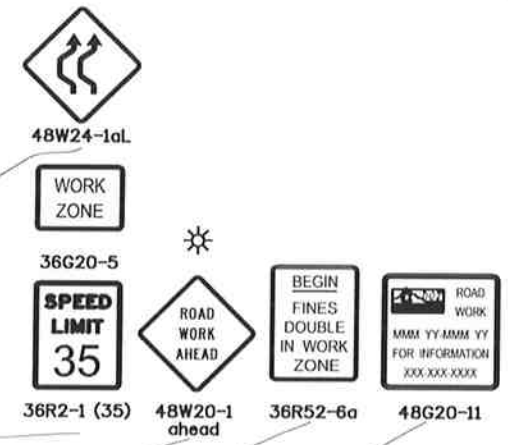
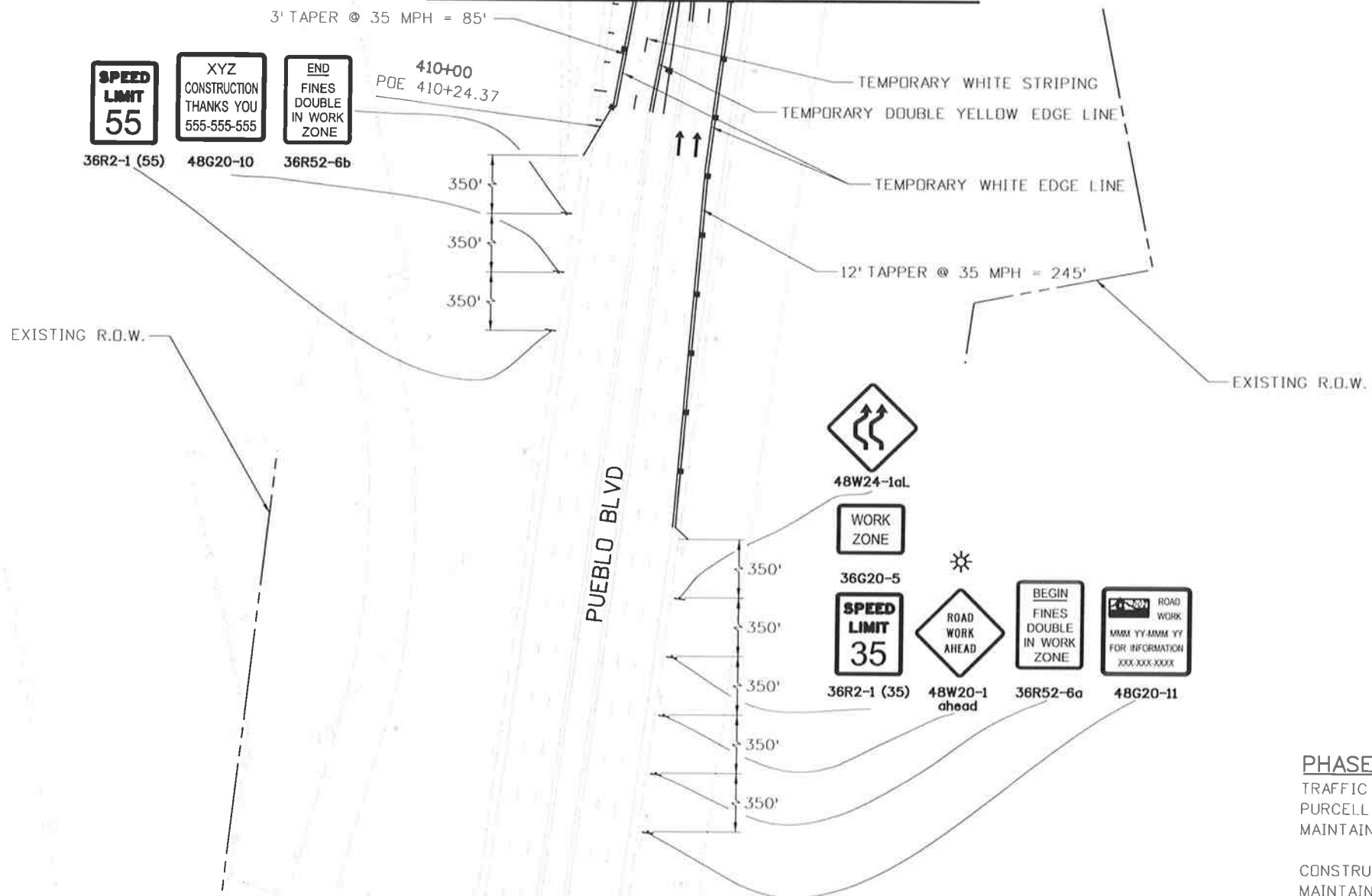
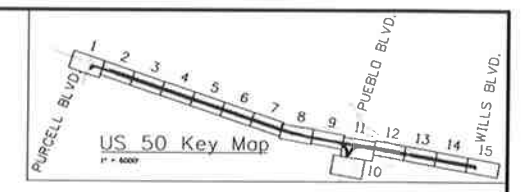
Project No./Code
 FSA 0503-081
 19751
 Sheet Number 254

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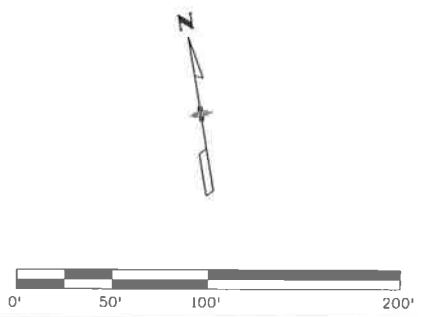
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PHASE 1
TRAFFIC CONTROL:
PURCELL BLVD ON SHIFTED EXISTING CONFIGURATION
MAINTAIN 2 LANES ON PURCELL BLVD. NB

CONSTRUCTION:
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND	
	TRAVEL DIRECTION
	CONSTRUCTION ZONE
	COMPLETED CONSTRUCTION
	TEMPORARY HOT MIX ASPHALT
	FLASHING BEACON
	TYPE 7 BARRIER
	IMPACT ATTENUATOR
	BARRICADE
	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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Date:	Comments	Init.

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US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 1

Designer: AB
 Detailer: AB
 Subset: CT

Structure Numbers
 Subset Sheets: CT10 of 33

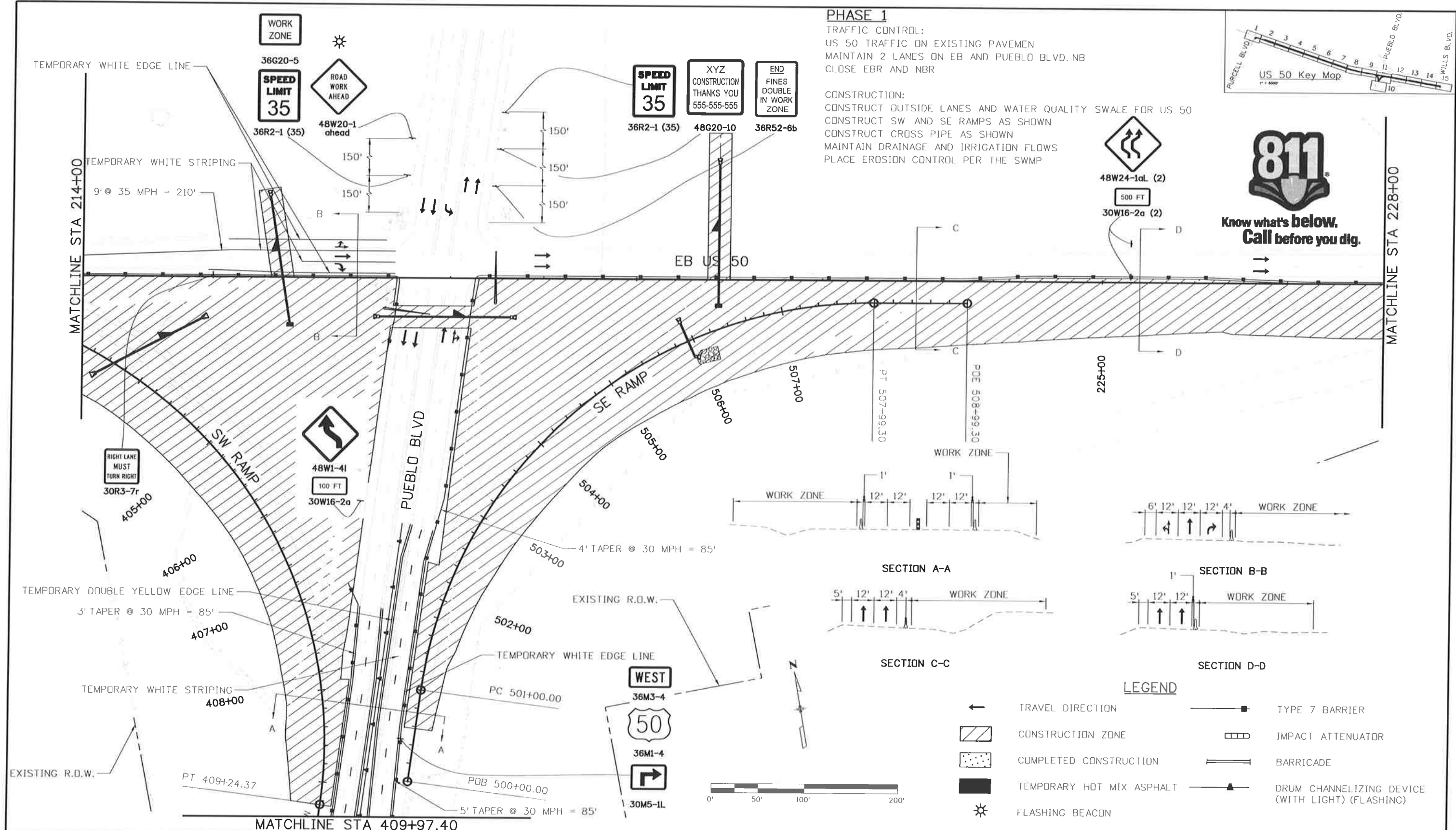
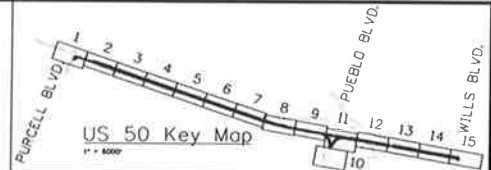
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 FSA 0503-081
 19751
 Sheet Number 255

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PHASE 1

TRAFFIC CONTROL:
 US 50 TRAFFIC ON EXISTING PAVEMENT
 MAINTAIN 2 LANES ON EB AND PUEBLO BLVD. NB
 CLOSE EBR AND NBR

CONSTRUCTION:
 CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
 CONSTRUCT SW AND SE RAMP AS SHOWN
 CONSTRUCT CROSS PIPE AS SHOWN
 MAINTAIN DRAINAGE AND IRRIGATION FLOWS
 PLACE EROSION CONTROL PER THE SWMP



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File Name: 19056DES_Construction Phasing1_11.dgn	Date:	Comments	Init.			No Revisions:	Designer: AB	Structure Numbers
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J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					Void:	Subset: CT	Subset Sheets: CT11 of 33	
				Region 2	DTD			

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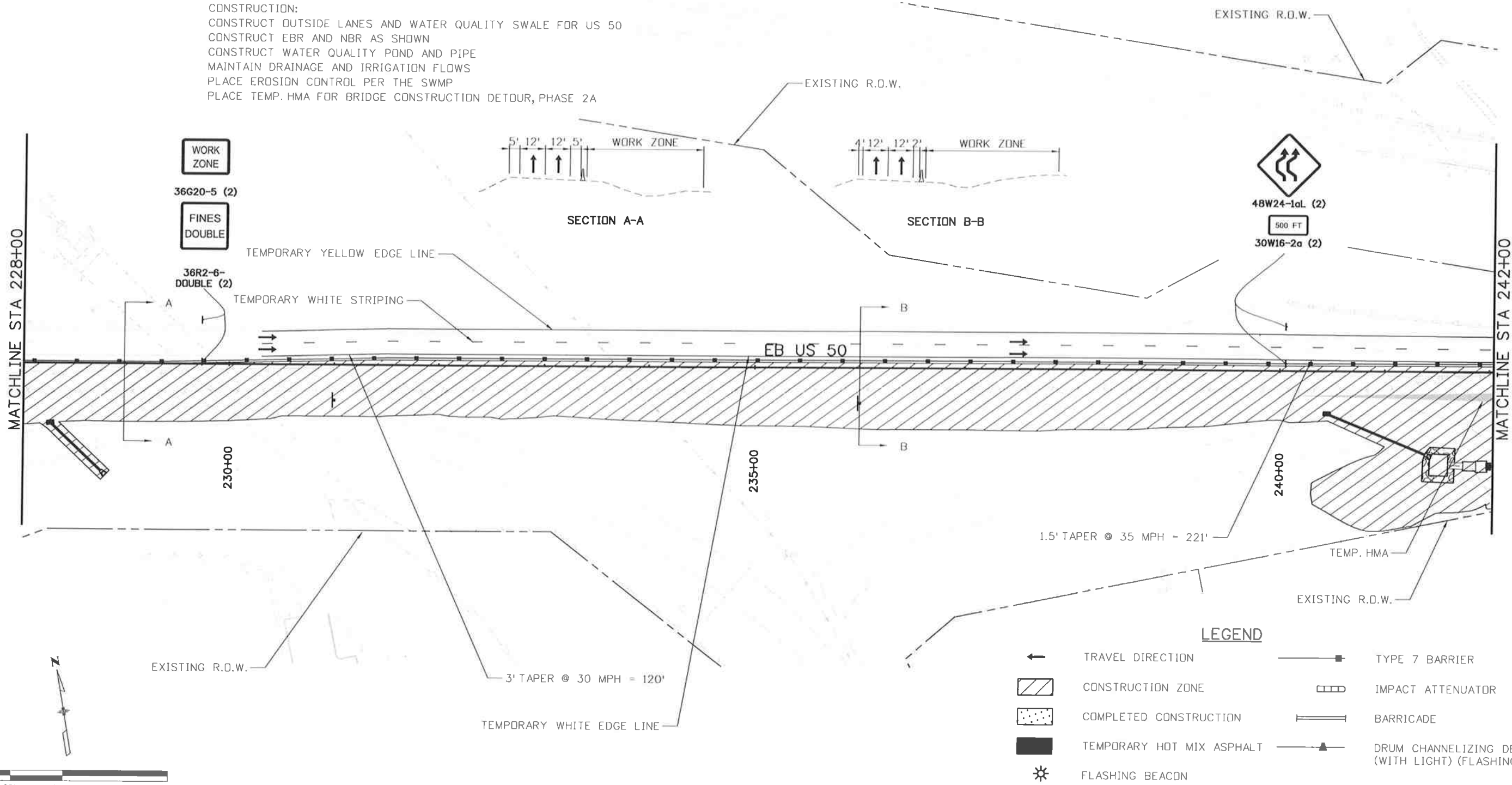
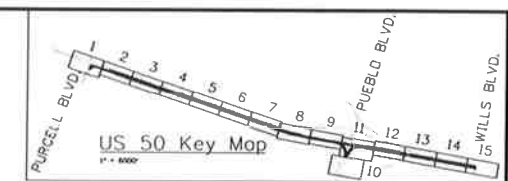


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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT EBR AND NBR AS SHOWN
CONSTRUCT WATER QUALITY POND AND PIPE
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWAMP
PLACE TEMP. HMA FOR BRIDGE CONSTRUCTION DETOUR, PHASE 2A



LEGEND

	TRAVEL DIRECTION		TYPE 7 BARRIER
	CONSTRUCTION ZONE		IMPACT ATTENUATOR
	COMPLETED CONSTRUCTION		BARRICADE
	TEMPORARY HOT MIX ASPHALT		DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
	FLASHING BEACON		

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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 1**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT12 of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 257

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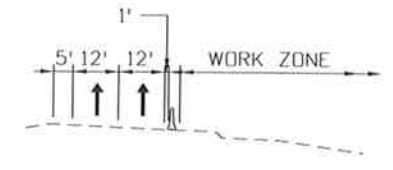
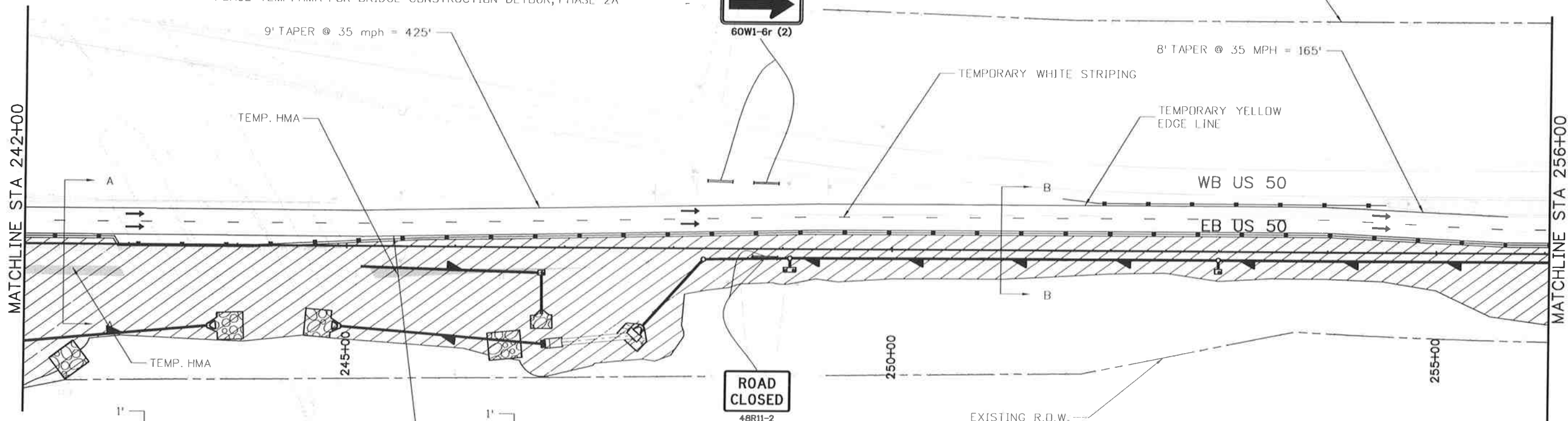
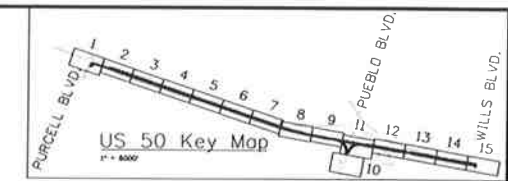


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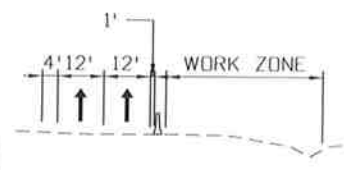
PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON EB

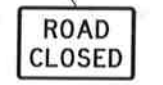
CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
BRIDGE WIDENING (STAGE 1 & 2, AS SHOWN IN BRIDGE CONSTRUCTION STAGING)
CONSTRUCT EBR AND NBR AS SHOWN
CONSTRUCT STORM SYSTEM AS SHOWN
CONSTRUCT WATER QUALITY PONDS
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP
PLACE TEMP. HMA FOR BRIDGE CONSTRUCTION DETOUR, PHASE 2A



SECTION A-A



SECTION B-B



LEGEND

TRAVEL DIRECTION	TYPE 7 BARRIER
CONSTRUCTION ZONE	IMPACT ATTENUATOR
COMPLETED CONSTRUCTION	BARRICADE
TEMPORARY HOT MIX ASPHALT	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
FLASHING BEACON	

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Date:	Comments	Init.															
File Name: 19056DES_Construction Phasing1_13.dgn Horiz. Scale: 1:100 Vert. Scale: As Noted	J.F. SAITO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120	DTD	Designer: AB Structure Detailer: AB Numbers Subset: CT Subset Sheets: CT13 of 33	Sheet Number 258													

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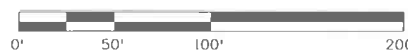
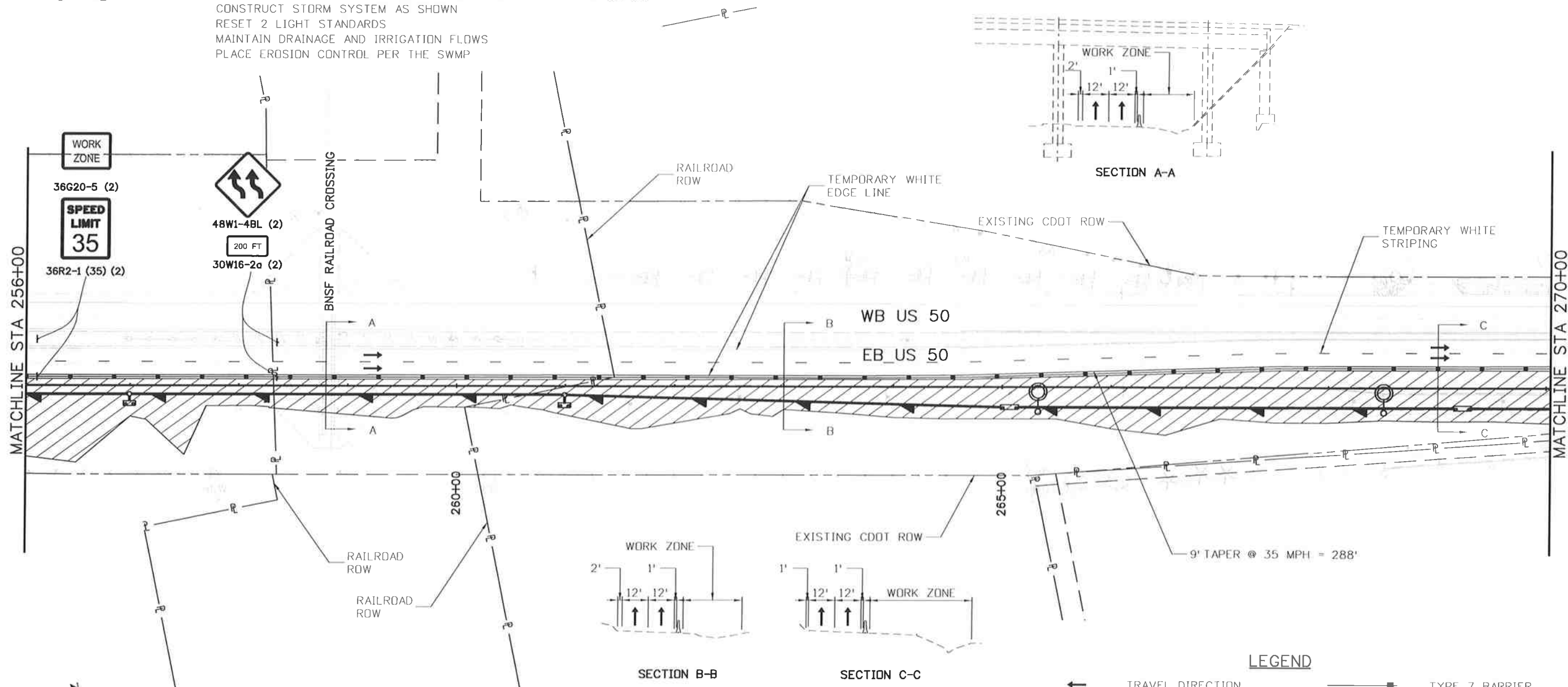
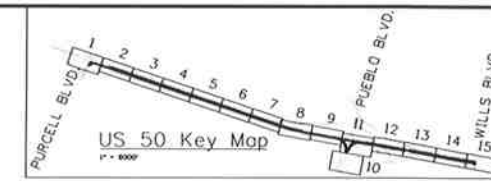


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PHASE 1

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON EB
ONE LANE TRAFFIC AT RAILROAD BRIDGE TILL STA. 267+40

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
CONSTRUCT STORM SYSTEM AS SHOWN
RESET 2 LIGHT STANDARDS
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ☼ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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US 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASE 1		
Designer:	AB	Structure
Detailer:	AB	Numbers
Subset:	CT	Subset Sheets: CT14 of 33

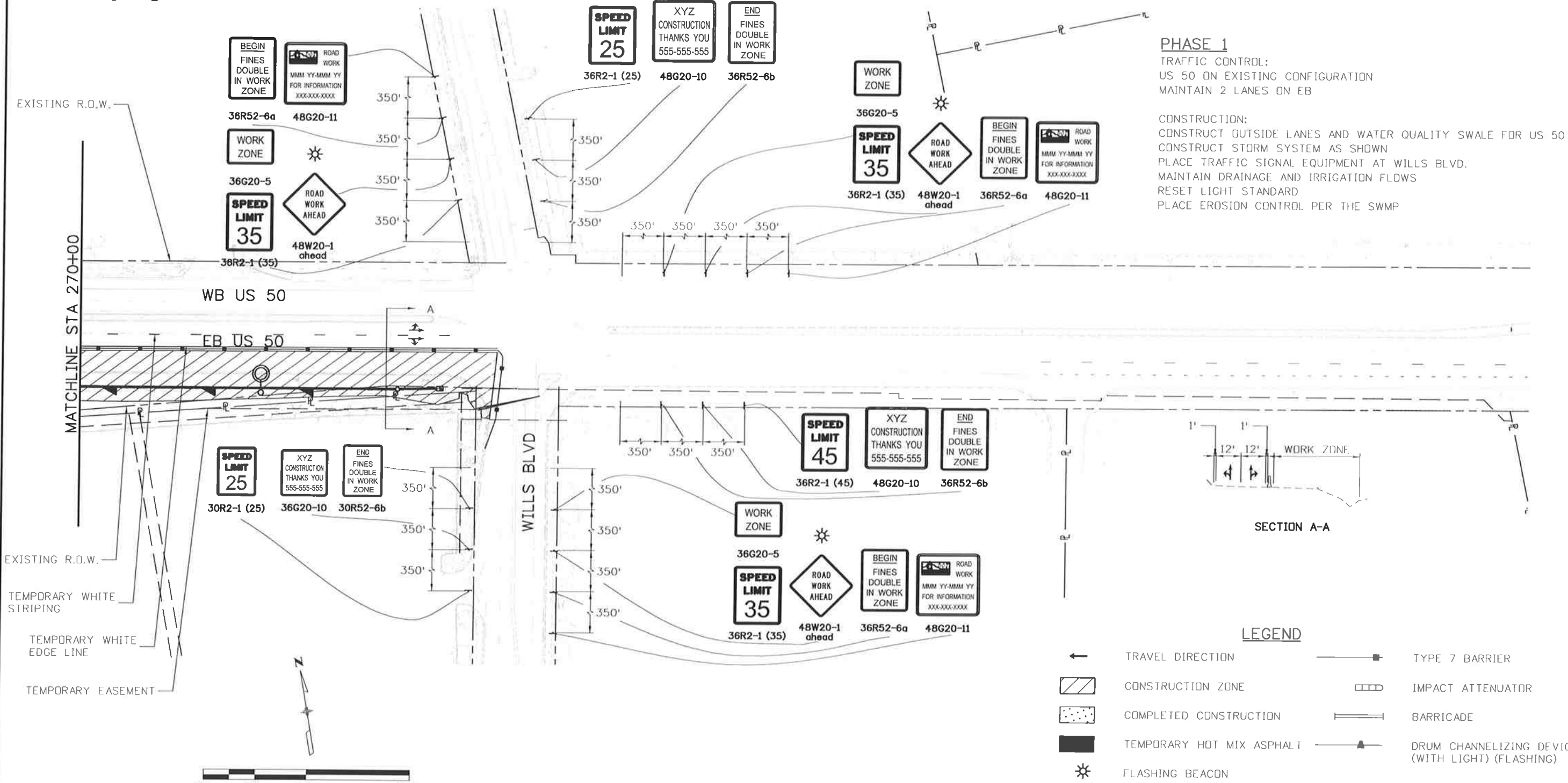
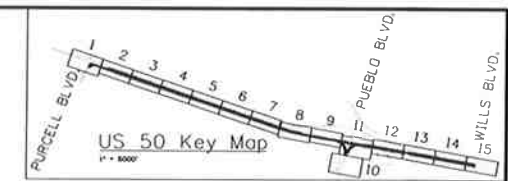
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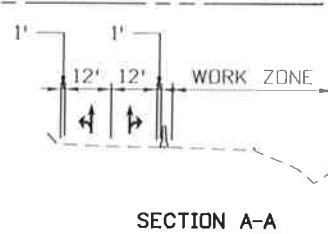


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PHASE 1
TRAFFIC CONTROL:
 US 50 ON EXISTING CONFIGURATION
 MAINTAIN 2 LANES ON EB

CONSTRUCTION:
 CONSTRUCT OUTSIDE LANES AND WATER QUALITY SWALE FOR US 50
 CONSTRUCT STORM SYSTEM AS SHOWN
 PLACE TRAFFIC SIGNAL EQUIPMENT AT WILLS BLVD.
 MAINTAIN DRAINAGE AND IRRIGATION FLOWS
 RESET LIGHT STANDARD
 PLACE EROSION CONTROL PER THE SWMP



- LEGEND**
- ← TRAVEL DIRECTION
 - ▨ CONSTRUCTION ZONE
 - ▤ COMPLETED CONSTRUCTION
 - TEMPORARY HOT MIX ASPHALT
 - ⚡ FLASHING BEACON
 - TYPE 7 BARRIER
 - ▭ IMPACT ATTENUATOR
 - |— BARRICADE
 - ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASING 1**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT15 of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 260

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WORK ZONE

36G20-5

SPEED LIMIT 35



36R2-1 (35)

48W20-1 ahead

SPEED LIMIT 35

XYZ CONSTRUCTION THANKS YOU 555-555-555

END FINES DOUBLE IN WORK ZONE

36R2-1 (35)

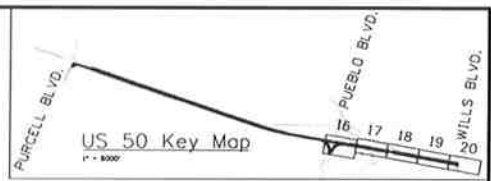
48G20-10

36R52-6b

PHASE 2A

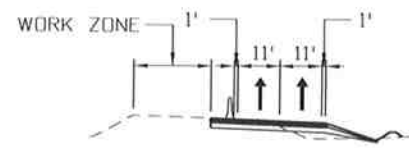
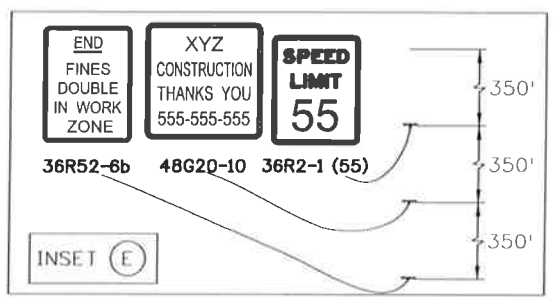
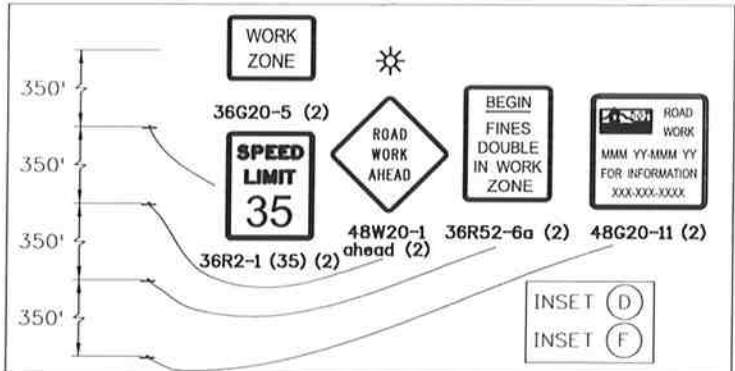
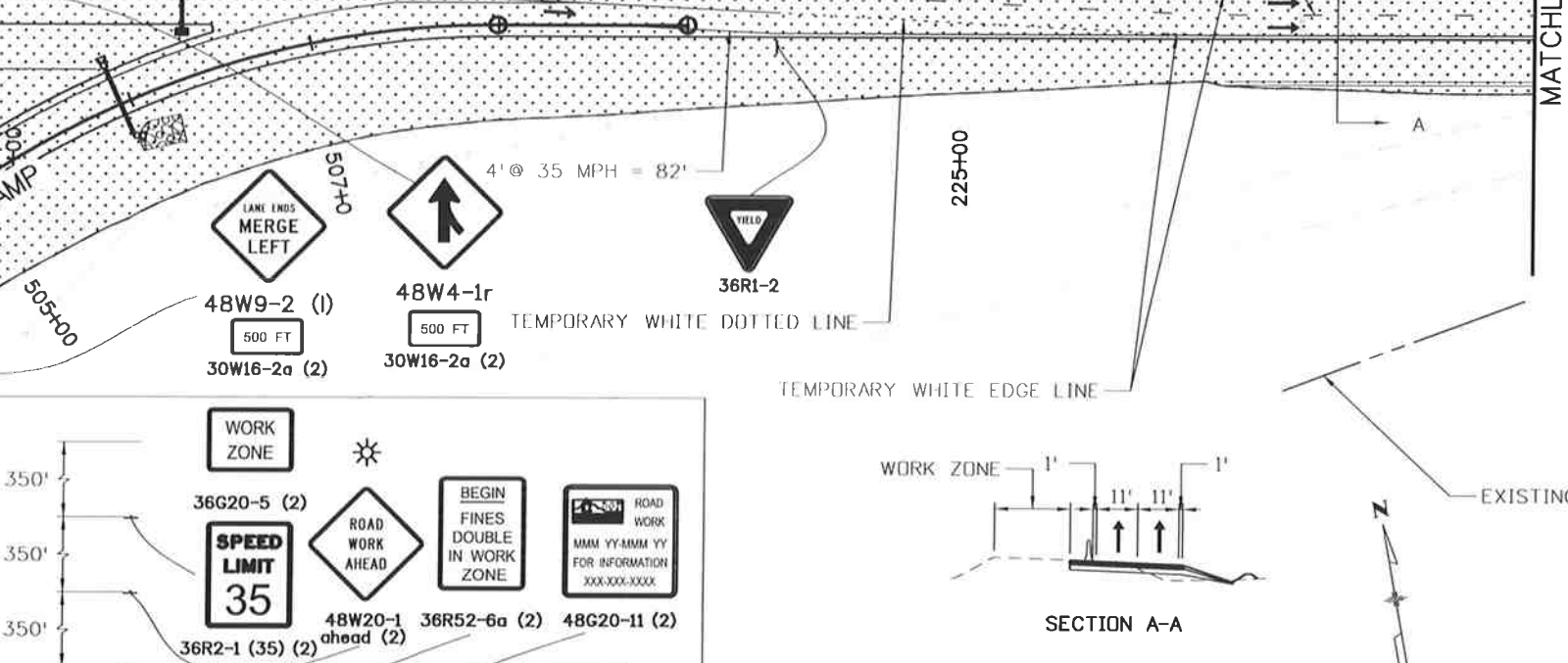
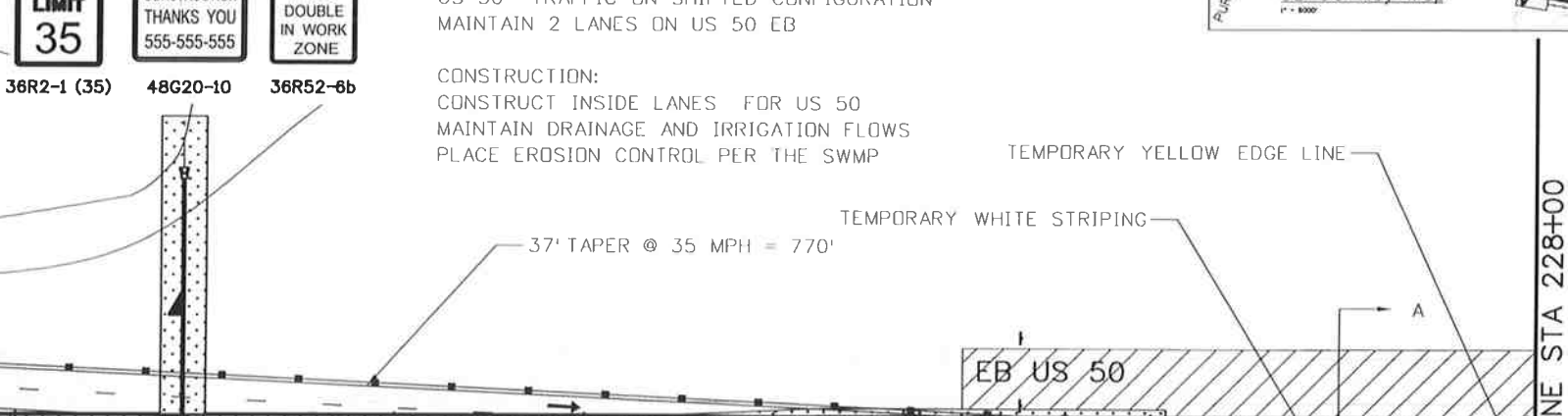
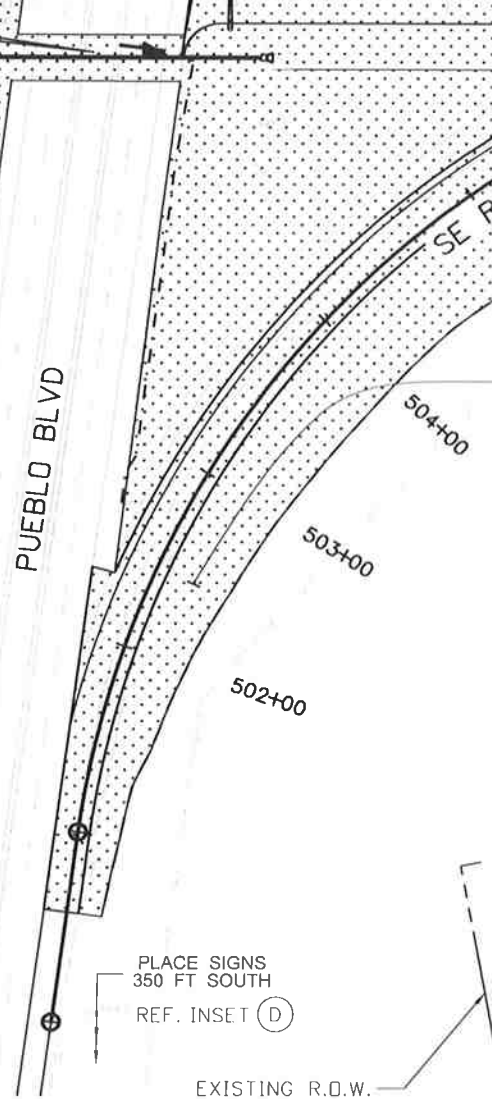
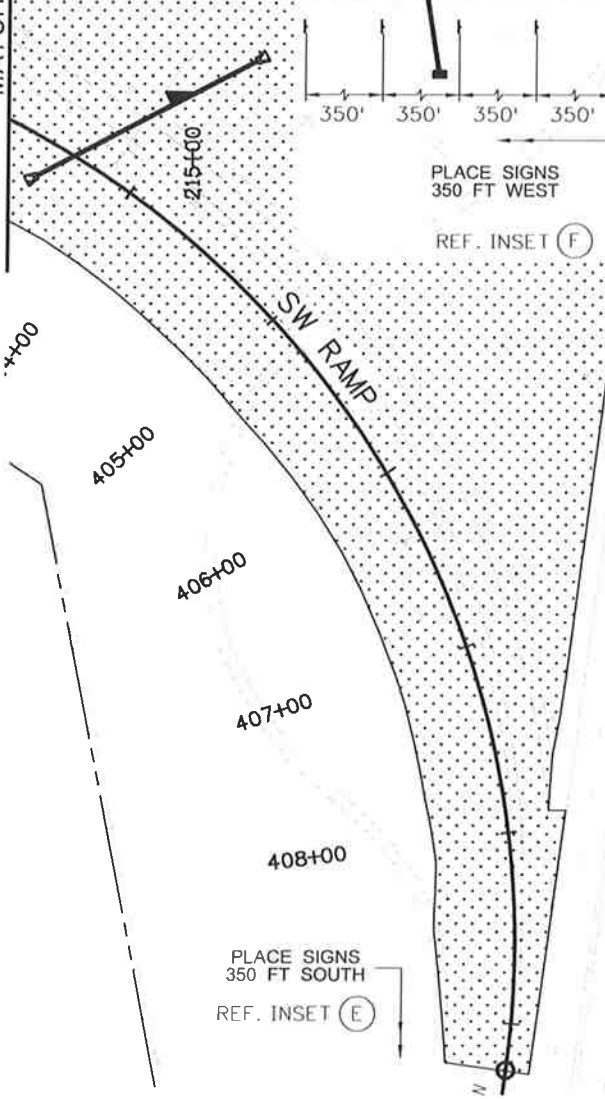
TRAFFIC CONTROL:
US 50 TRAFFIC ON SHIFTED CONFIGURATION
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT INSIDE LANES FOR US 50
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



MATCHLINE STA 214+00

MATCHLINE STA 228+00



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

Print Date: 10/9/2014
 File Name: 19056DES_Construction Phasing2A_11.dgn
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 J. F. SATO AND ASSOCIATES
 5898 South Rapp Street
 Littleton, Colorado 80120

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
 902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702

Region 2 DTD

As Constructed
 No Revisions:
 Revised:
 Void:

US 50 WEST:
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 2A

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT16 of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 261

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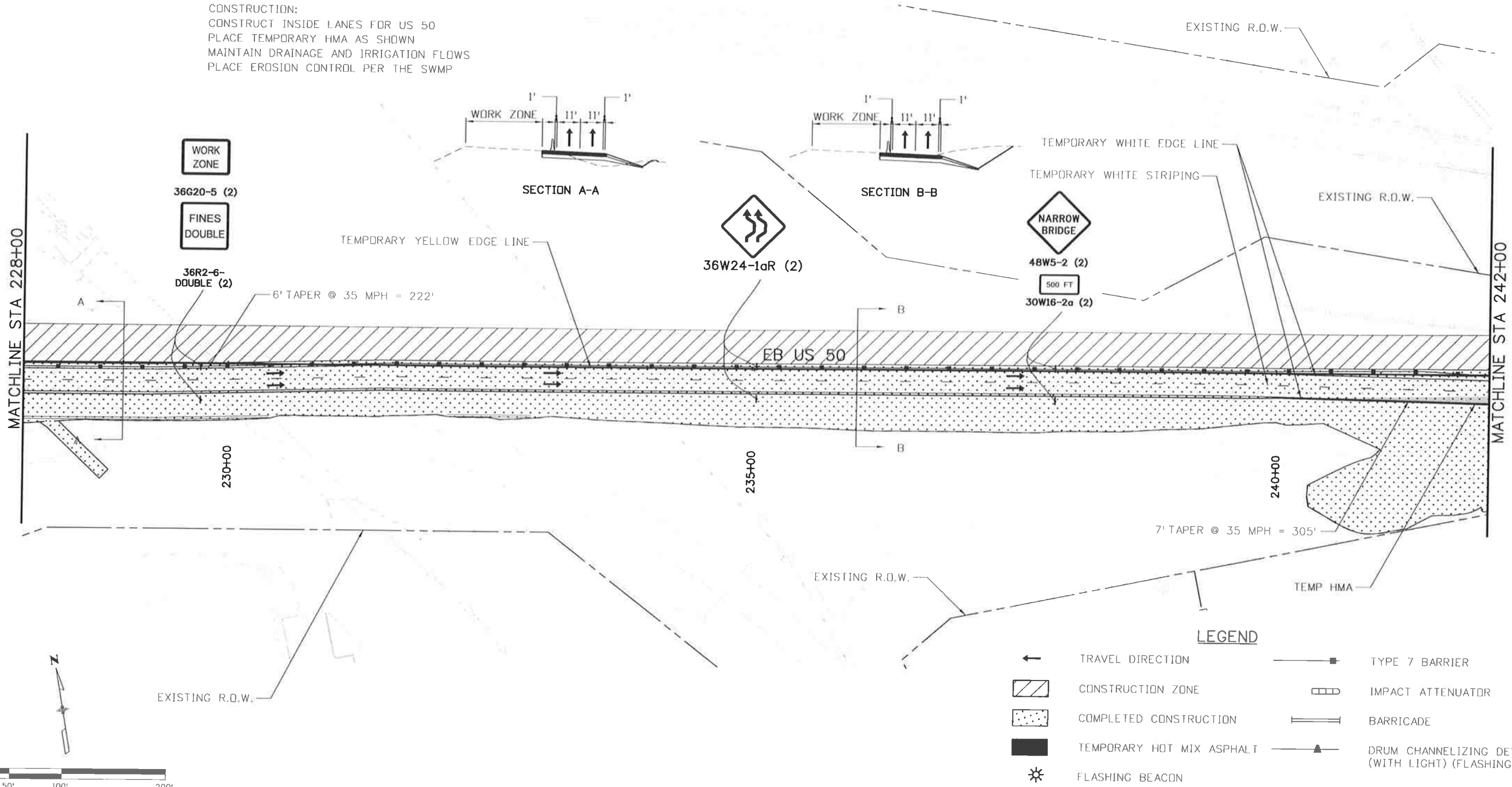
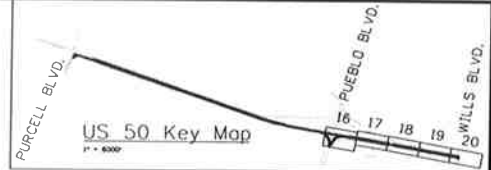


Know what's below.
Call before you dig.

PHASE 2A

TRAFFIC CONTROL:
US 50 ON SHIFTED CONFIGURATION WITH TEMP. WIDENING
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT INSIDE LANES FOR US 50
PLACE TEMPORARY HMA AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

←	TRAVEL DIRECTION	—■—	TYPE 7 BARRIER
▨	CONSTRUCTION ZONE	▭	IMPACT ATTENUATOR
▤	COMPLETED CONSTRUCTION	— — —	BARRICADE
■	TEMPORARY HOT MIX ASPHALT	▲	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
⚡	FLASHING BEACON		

Print Date: 10/9/2014

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Region 2 **DTD**

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No Revisions:
Revised:
Void:

US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
CTC - PHASE 2A

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT17 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 262

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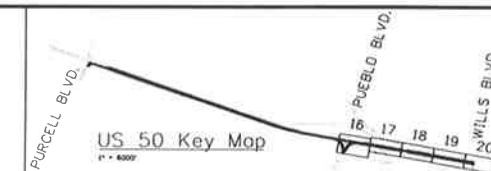


Know what's below.
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PHASE 2A

TRAFFIC CONTROL:
US 50 TRAFFIC ON SHIFTED CONFIGURATION WITH TEMP. WIDENING
SHIFT TRAFFIC ON WIDENED BRIDGE (SEE BRIDGE CONSTRUCTION STAGING)
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT OUTSIDE LANES FOR US 50
MODIFY EXISTING BRIDGE STATE 3, AS SHOWN IN BRIDGE CONSTRUCTION STAGING)
PLACE TEMPORARY HMA AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



MOUNT ON BARRICADE
(TYPE 3M) (TEMP)

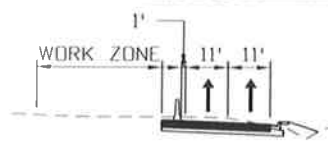
48R11-2 (2)



DIRECTION AS REQUIRED

60W1-6r (2)

EXISTING R.O.W.



SECTION A-A



48W5-1 (2)

500 FT

30W16-2a (2)

TEMPORARY STRIPING

TEMPORARY YELLOW
EDGE LINE

WB US 50

EB US 50

MATCHLINE STA 242+00

MATCHLINE STA 256+00

TEMP. HMA

TEMP. HMA

CLOSE OFF ACCESS

CLOSE OFF ACCESS

EXISTING R.O.W.

7' TAPER @ 35 MPH = 305'

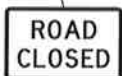
245+00

250+00

255+00

10' TAPER @ 35 MPH = 151'

5' TAPER @ 35 MPH = 253'



MOUNT ON BARRICADE
(TYPE 3M) (TEMP)

48R11-2 (2)

LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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Region 2

DTD

As Constructed

No Revisions:

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US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
CTC - PHASE 2A

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT18 of 33

Project No./Code

FSA 0503-081

19751

Sheet Number 263

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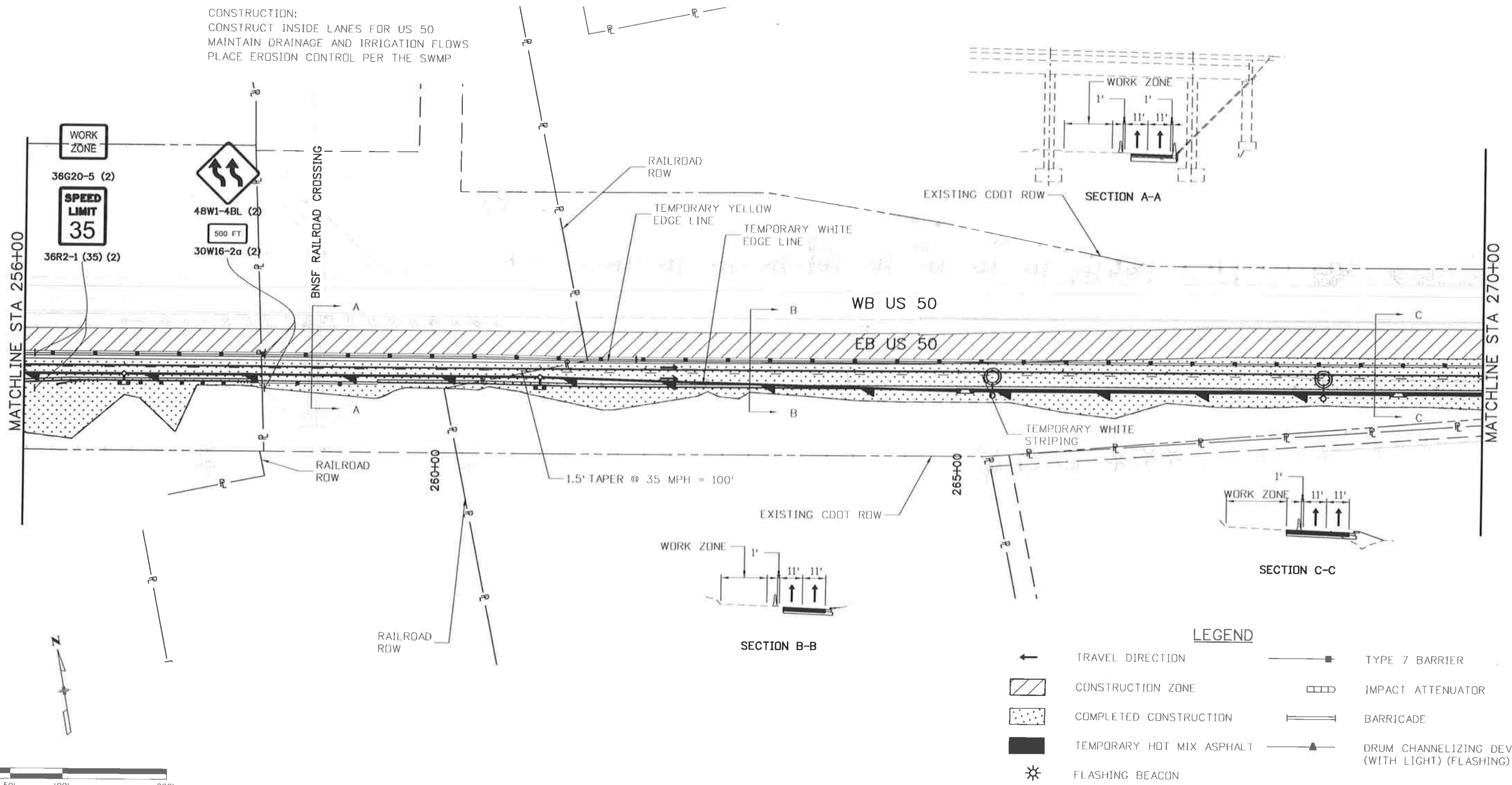
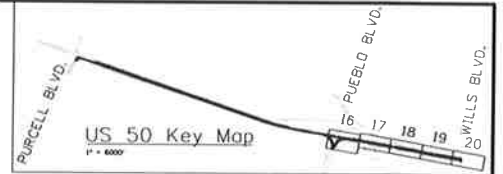


Know what's below.
Call before you dig.

PHASE 2A

TRAFFIC CONTROL:
US 50 TRAFFIC ON SHIFTED CONFIGURATION
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT INSIDE LANES FOR US 50
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- |— BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

Print Date: 10/9/2014
 File Name: 19056DES_Construction Phasing2A_14.dgn
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Region 2 **DTD**

As Constructed
 No Revisions:
 Revised:
 Void:

**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 2A**

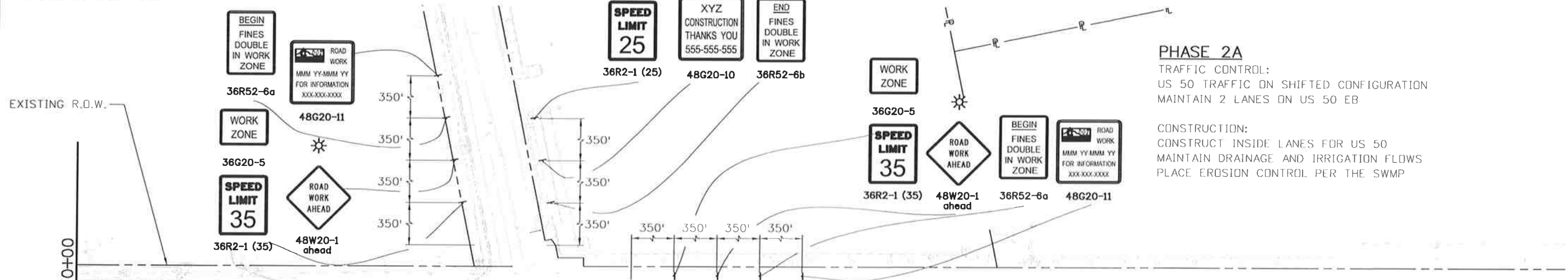
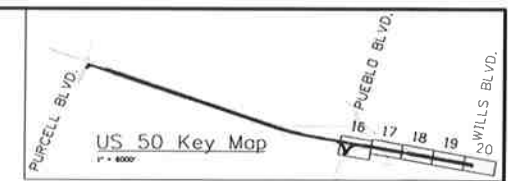
Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT19 of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number **264**

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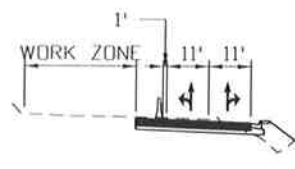
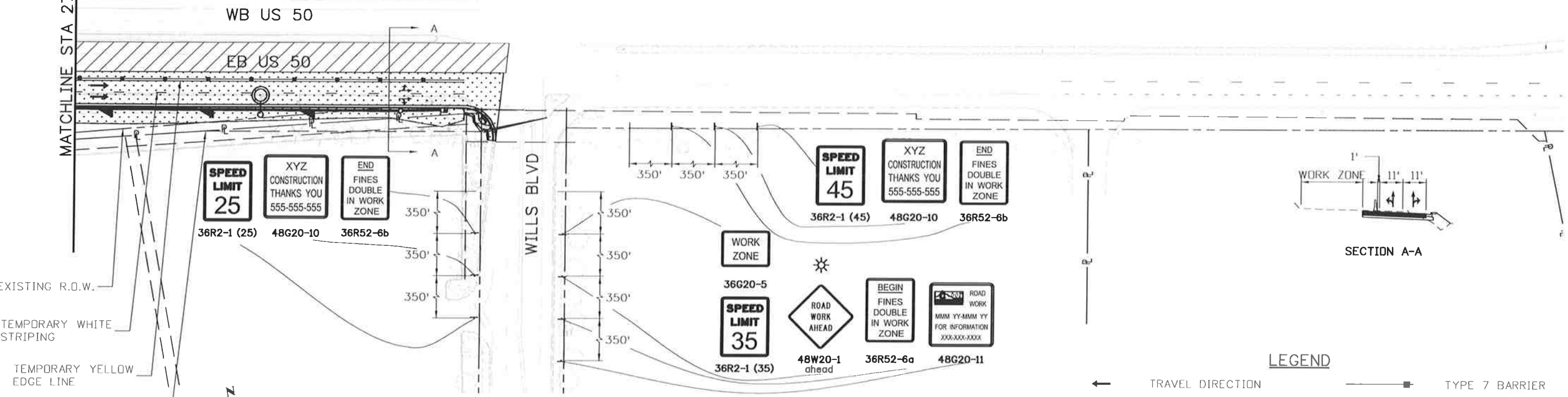


Know what's below.
Call before you dig.



PHASE 2A
TRAFFIC CONTROL:
US 50 TRAFFIC ON SHIFTED CONFIGURATION
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
CONSTRUCT INSIDE LANES FOR US 50
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

	TRAVEL DIRECTION		TYPE 7 BARRIER
	CONSTRUCTION ZONE		IMPACT ATTENUATOR
	COMPLETED CONSTRUCTION		BARRICADE
	TEMPORARY HOT MIX ASPHALT		DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)
	FLASHING BEACON		



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Region 2 **DTD**

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**US 50 WEST
PURCELL BLVD. TO WILLS BLVD.
CTC - PHASE 2A**

Designer: AB Structure
Detailer: AB Numbers
Subset: CT Subset Sheets: CT20 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 265

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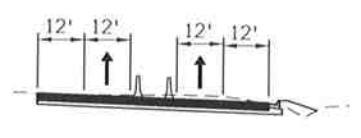
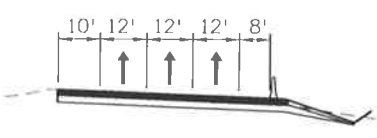
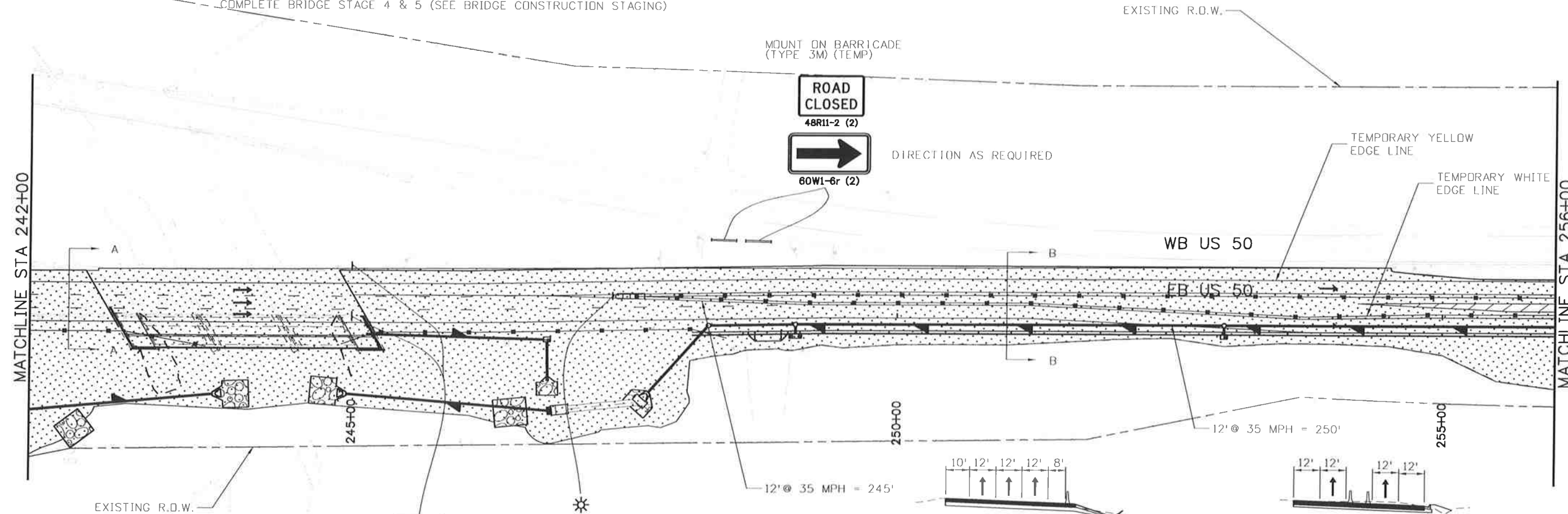
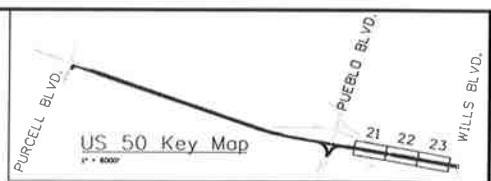


Know what's below.
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PHASE 2B

TRAFFIC CONTROL:
US 50 TRAFFIC ON NEW CONFIGURATION
SHIFTED FROM 3 LANES TO 2 LANES ON EB

CONSTRUCTION:
CONSTRUCT MIDDLE LANE FOR US 50 FROM STA 254+22 TO STA 266+22
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP
COMPLETE BRIDGE STAGE 4 & 5 (SEE BRIDGE CONSTRUCTION STAGING)

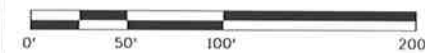


SECTION A-A

SECTION B-B

LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- |— BARRICADE
- ▲— DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



Print Date: 10/9/2014
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No Revisions:
Revised:
Void:

US 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASING 2B	
Designer: AB	Structure Numbers
Detailer: AB	
Subset: CT	Subset Sheets: CT22 of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 267

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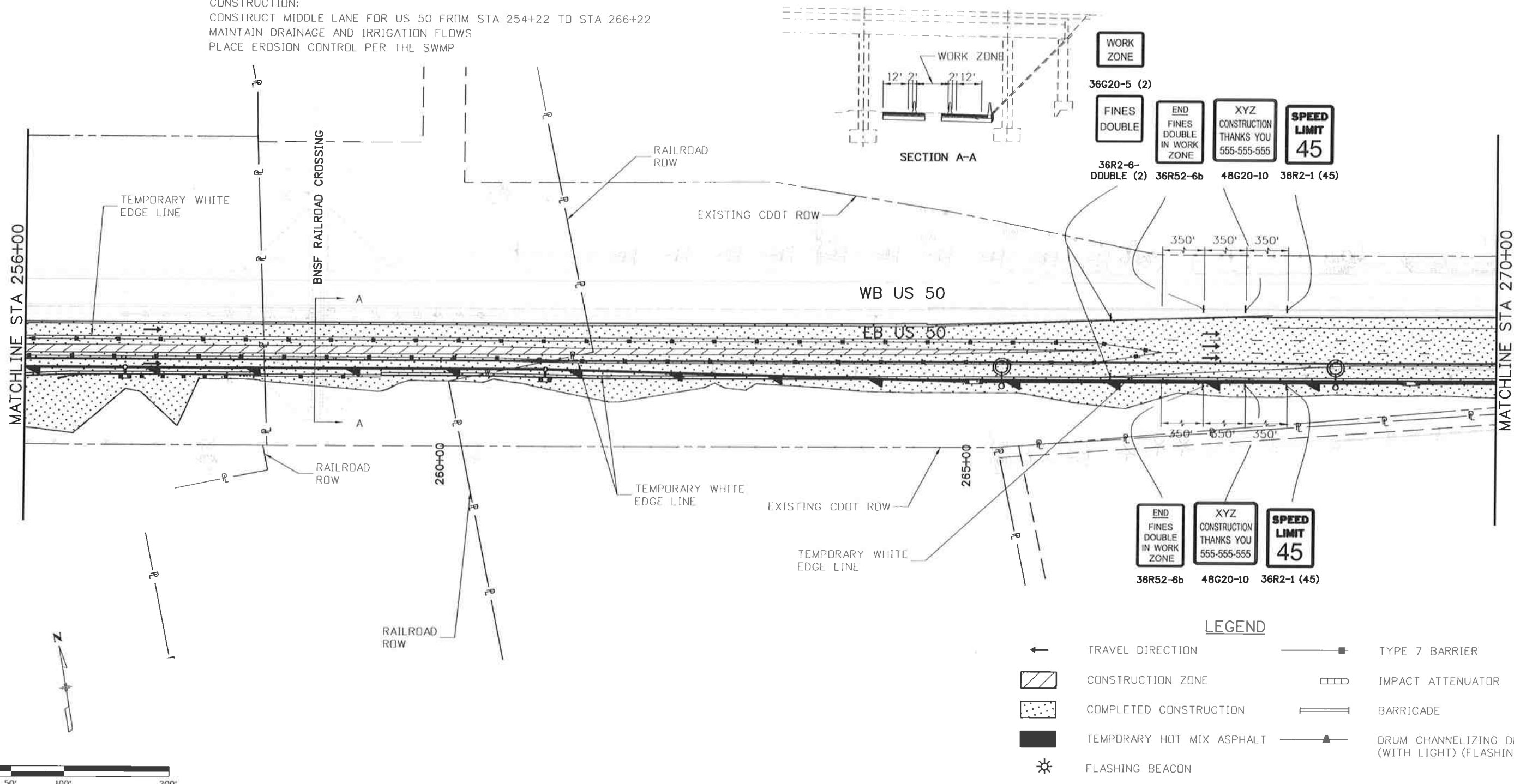
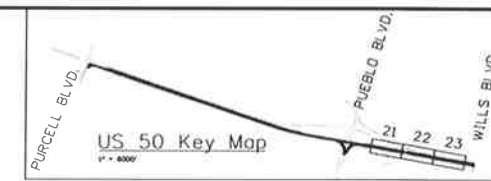


Know what's below.
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PHASE 2B

TRAFFIC CONTROL:
US 50 TRAFFIC ON NEW CONFIGURATION
MAINTAIN 2 LANES ON EB

CONSTRUCTION:
CONSTRUCT MIDDLE LANE FOR US 50 FROM STA 254+22 TO STA 266+22
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

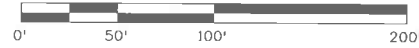
- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭▭▭ IMPACT ATTENUATOR
- BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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File Name: 19056DES_Construction Phasing2B_4.dgn						No Revisions:				FSA 0503-081	
Horiz. Scale: 1:100 Vert. Scale: As Noted				Revised:		Designer: AB Structure Detailer: AB Numbers		19751			
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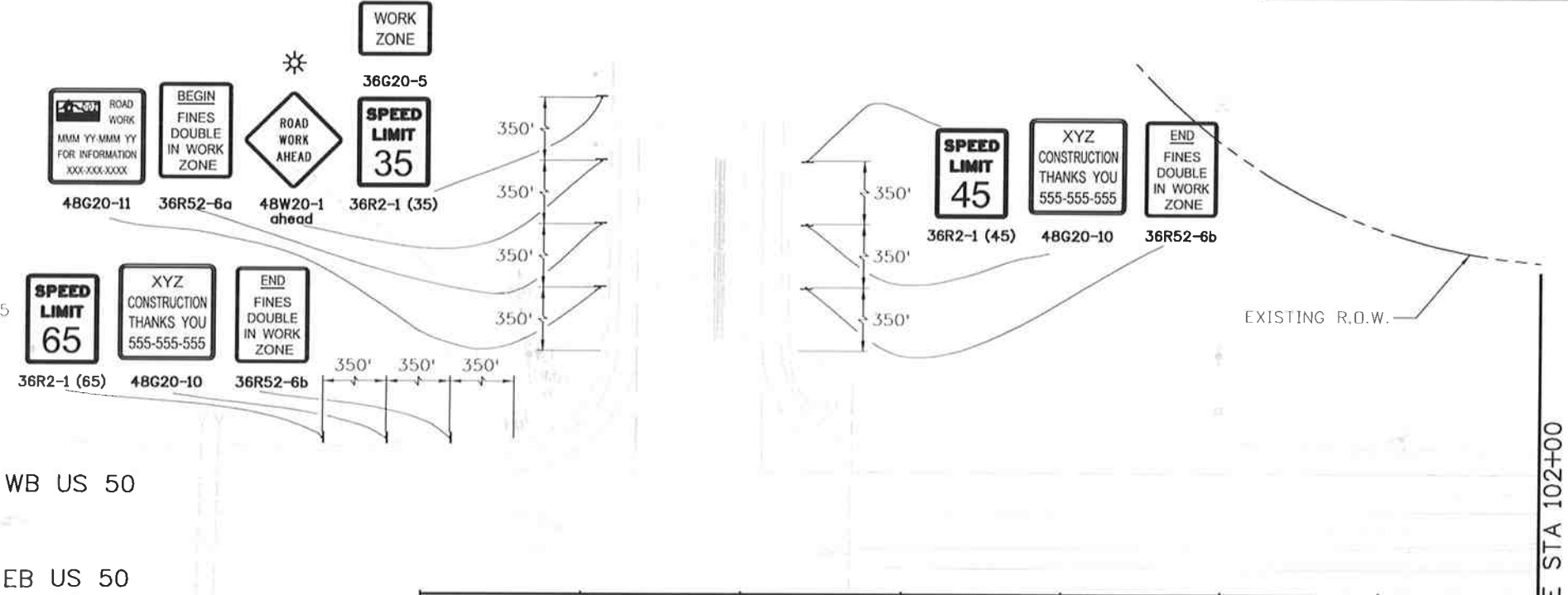
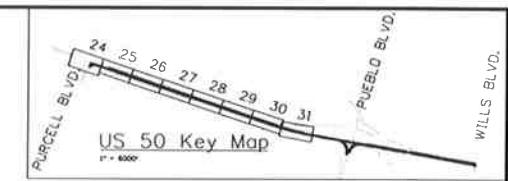
PHASE 3

TRAFFIC CONTROL:

TRAFFIC ON NEW NBR TURN LANE AT PURCELL BLVD.
TRAFFIC ON EXISTING AND NEW LANES
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:

WIDEN US 50 INTO MEDIAN AS SHOWN FROM STA 105+59 TO STA 196+15
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



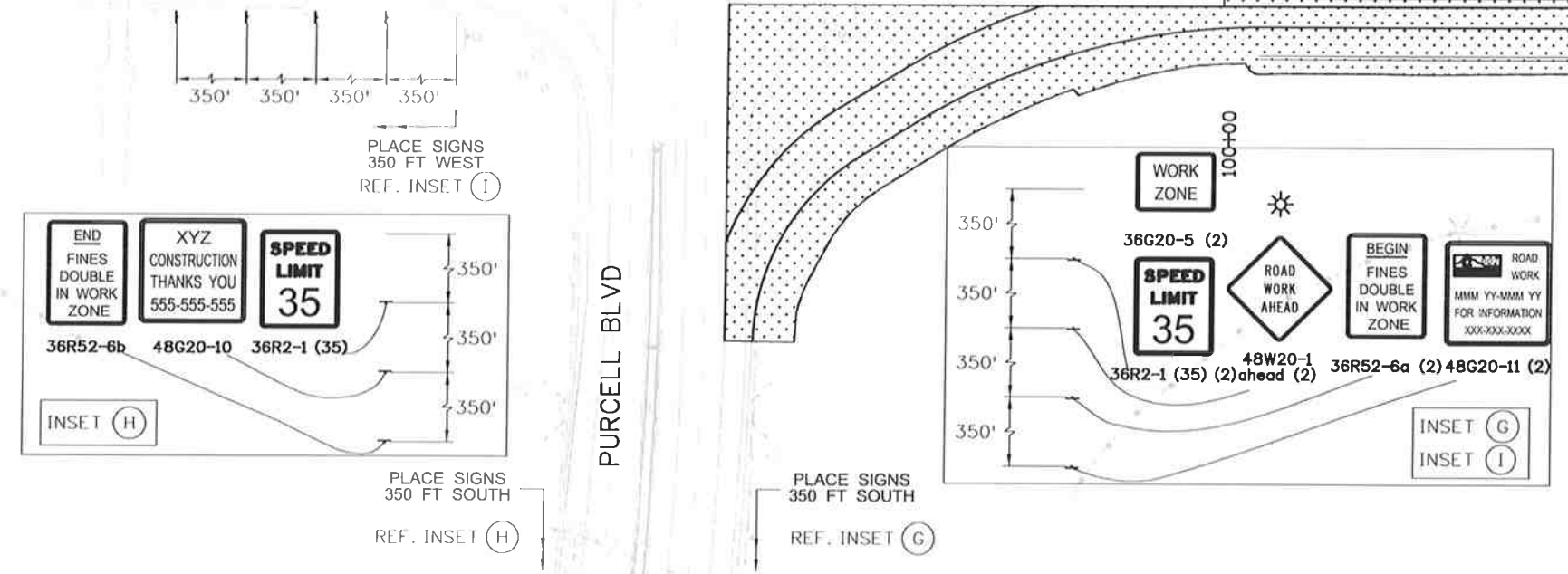
WB US 50

EB US 50

EXISTING R.O.W.

LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▤ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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File Name: 19056DES_Construction Phasing3_1.dgn	Date:	Comments	Init.			Designer: AB Structure Detailer: AB Numbers		FSA 0503-081
Horiz. Scale: 1:100 Vert. Scale: As Noted	0000			Region 2	DTD	Subset: CT Subset Sheets: CT24 of 33		19751
JFS&A J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120								Sheet Number

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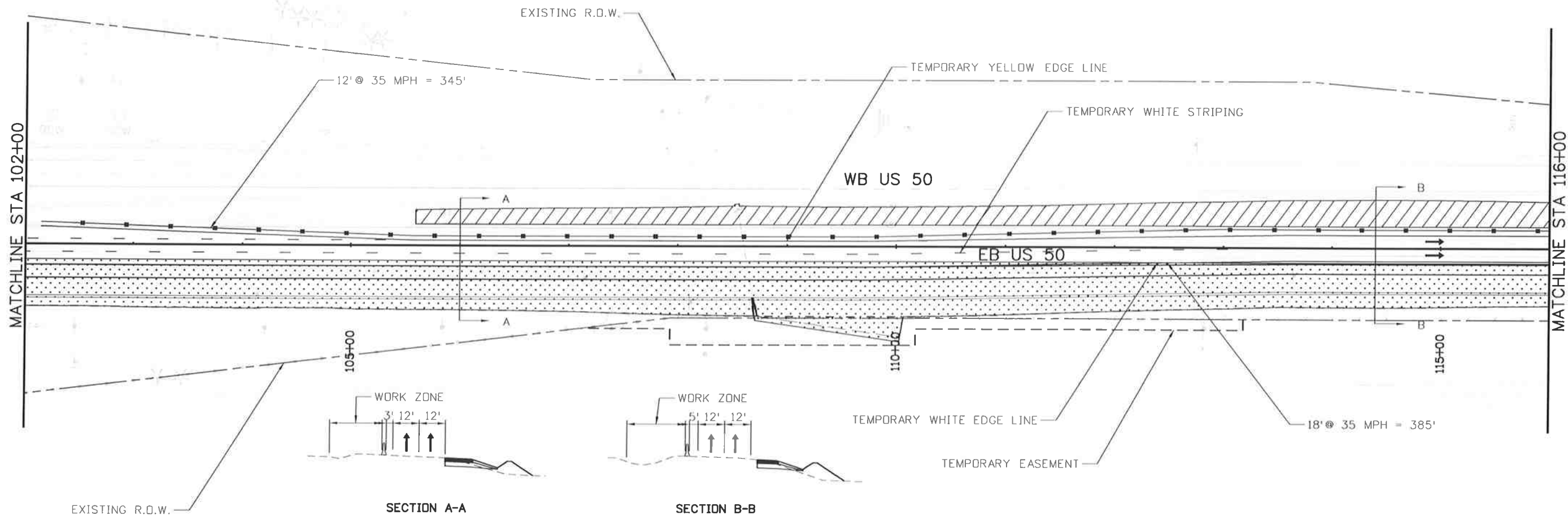
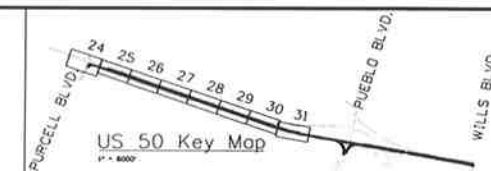


Know what's below.
Call before you dig.

PHASE 3

TRAFFIC CONTROL:
TRAFFIC ON EXISTING AND NEW LANES
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
WIDEN US 50 INTO MEDIAN AS SHOWN FROM STA 105+59 TO STA 196+15
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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 File Name: 19056DES_Construction Phasing3_2.dgn
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Region 2 DTD

As Constructed
No Revisions:
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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASING 3**

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT25of 33

Project No./Code
FSA 0503-081
19751
Sheet Number 270

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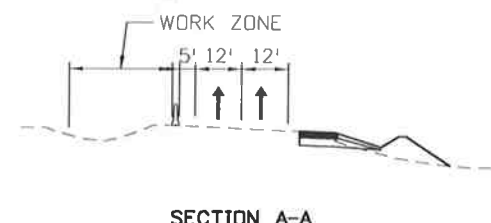
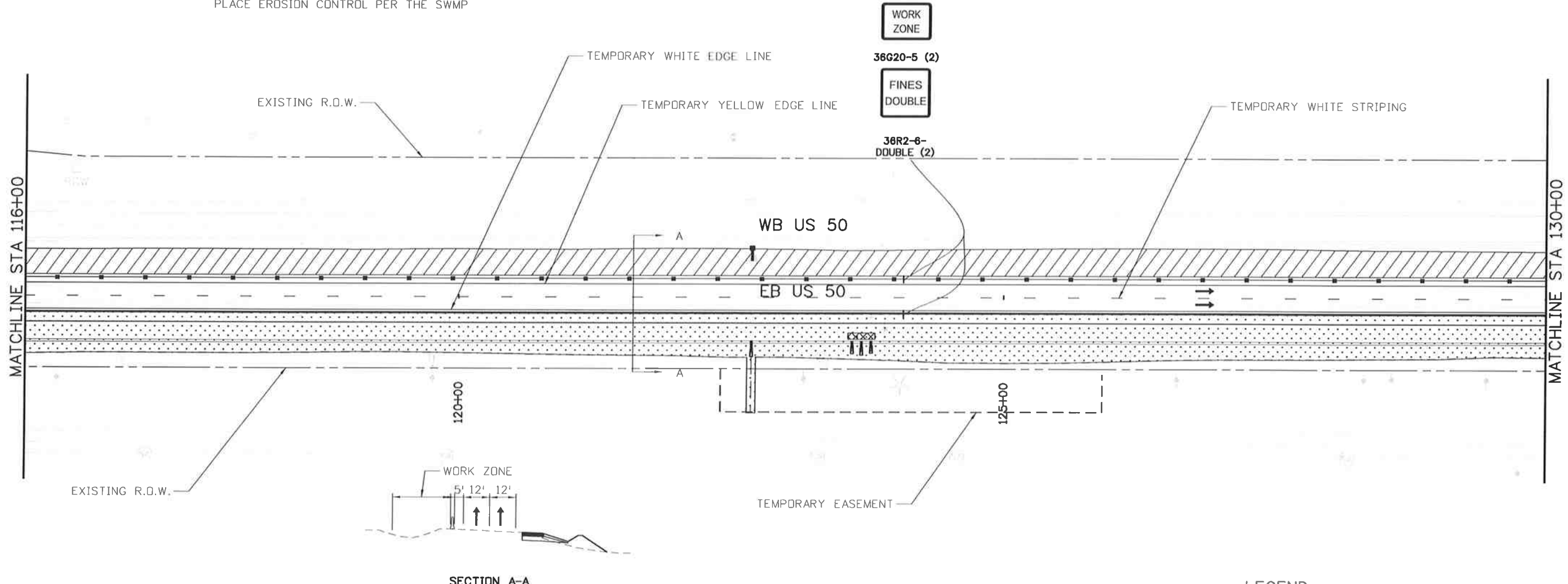
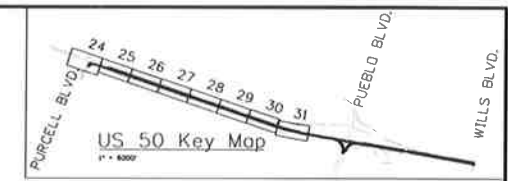
Know what's below.
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PHASE 3

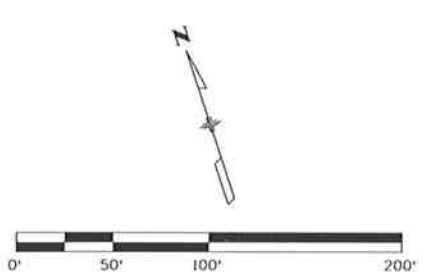
TRAFFIC CONTROL:
TRAFFIC ON EXISTING AND NEW LANES
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:

WIDEN US 50 INTO MEDIAN AS SHOWN FROM STA 105+59 TO STA 196+15
EXTEND CROSS PIPE AND ADD NEW MEDIAN INLET AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



- WORK ZONE
- 36G20-5 (2)
- FINES DOUBLE
- 36R2-6-DOUBLE (2)



- #### LEGEND
- ← TRAVEL DIRECTION
 - ▨ CONSTRUCTION ZONE
 - ▤ COMPLETED CONSTRUCTION
 - TEMPORARY HOT MIX ASPHALT
 - ⚡ FLASHING BEACON
 - TYPE 7 BARRIER
 - ▭ IMPACT ATTENUATOR
 - BARRICADE
 - ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

Print Date: 10/9/2014	0000	Sheet Revisions			Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	As Constructed	U.S. 50 WEST PURCELL BLVD. TO WILLS BLVD. CTC - PHASE 3		Project No./Code	
File Name: 19056DES_Construction Phasing3_3.dgn		Date:	Comments	Init.		No Revisions:			FSA 0503-081	
Horiz. Scale: 1:100 Vert. Scale: As Noted						Revised:			Designer: AB	Structure Numbers
J. F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					Void:	Detailer: AB	Subset Sheets: CT26 of 33	Sheet Number 271		

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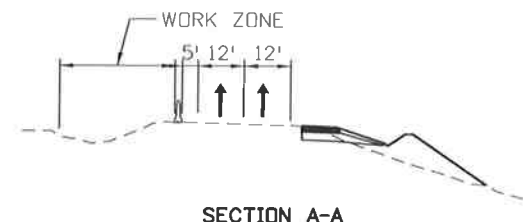
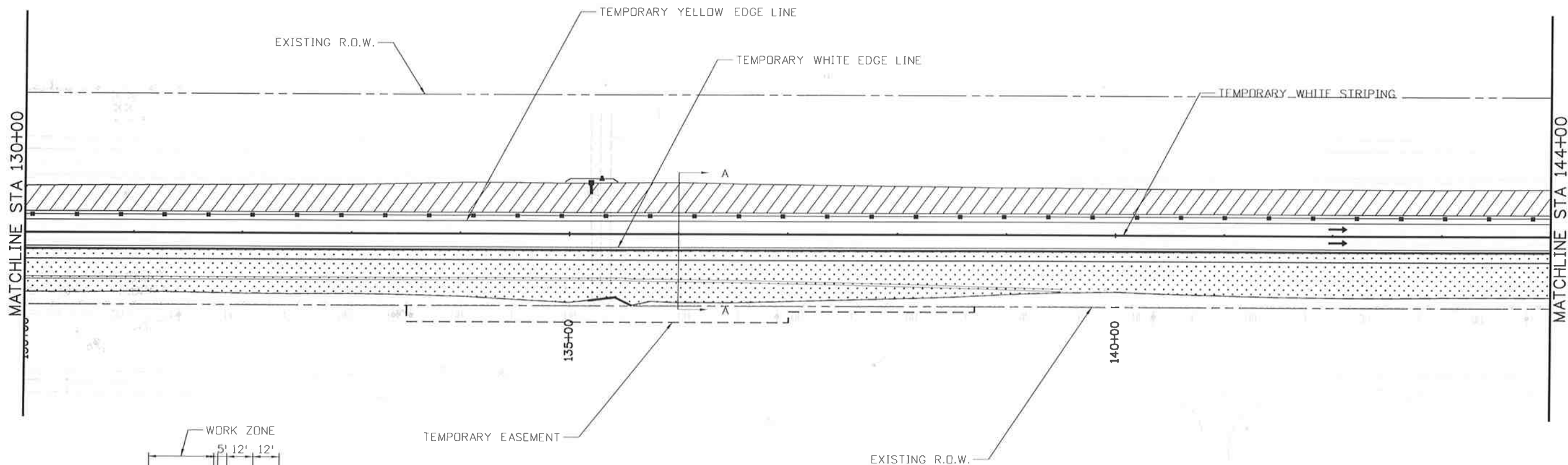
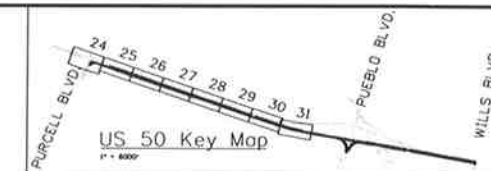


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PHASE 3

TRAFFIC CONTROL:
TRAFFIC ON EXISTING AND NEW LANES
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
WIDEN US 50 INTO MEDIAN AS SHOWN FROM STA 105+59 TO STA 196+15
EXTEND CROSS PIPE AND ADD NEW MEDIAN INLET AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▤▤ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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Region 2

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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 3**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT27 of 33

Project No./Code

FSA 0503-081

19751

Sheet Number **272**

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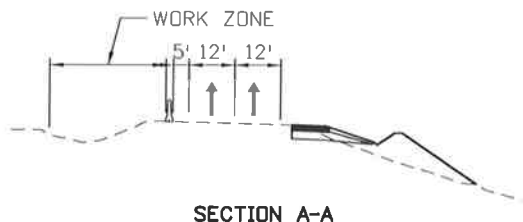
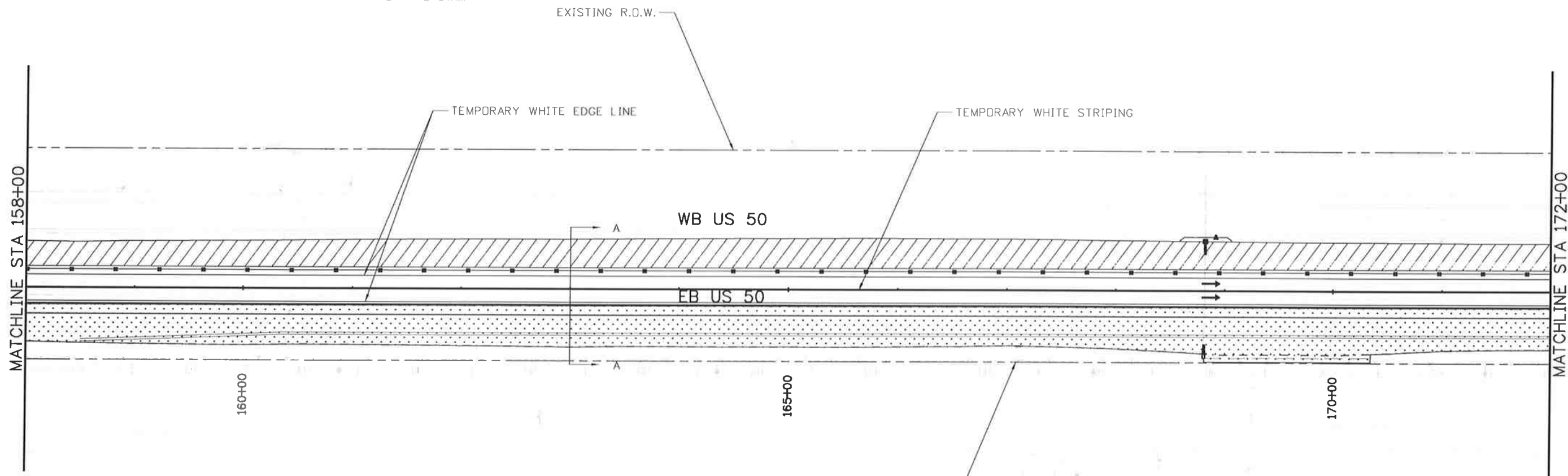
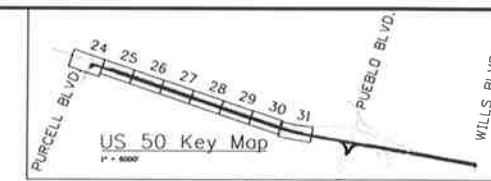


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PHASE 3

TRAFFIC CONTROL:
TRAFFIC ON EXISTING AND NEW LANES
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
WIDEN US 50 INTO MEDIAN AS SHOWN FROM STA 105+59 TO STA 196+15
EXTEND CROSS PIPE AND ADD NEW MEDIAN INLET AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ⚡ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- | BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)

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**US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 3**

Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT29of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 274

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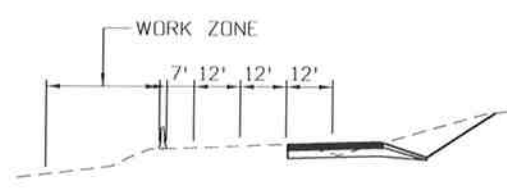
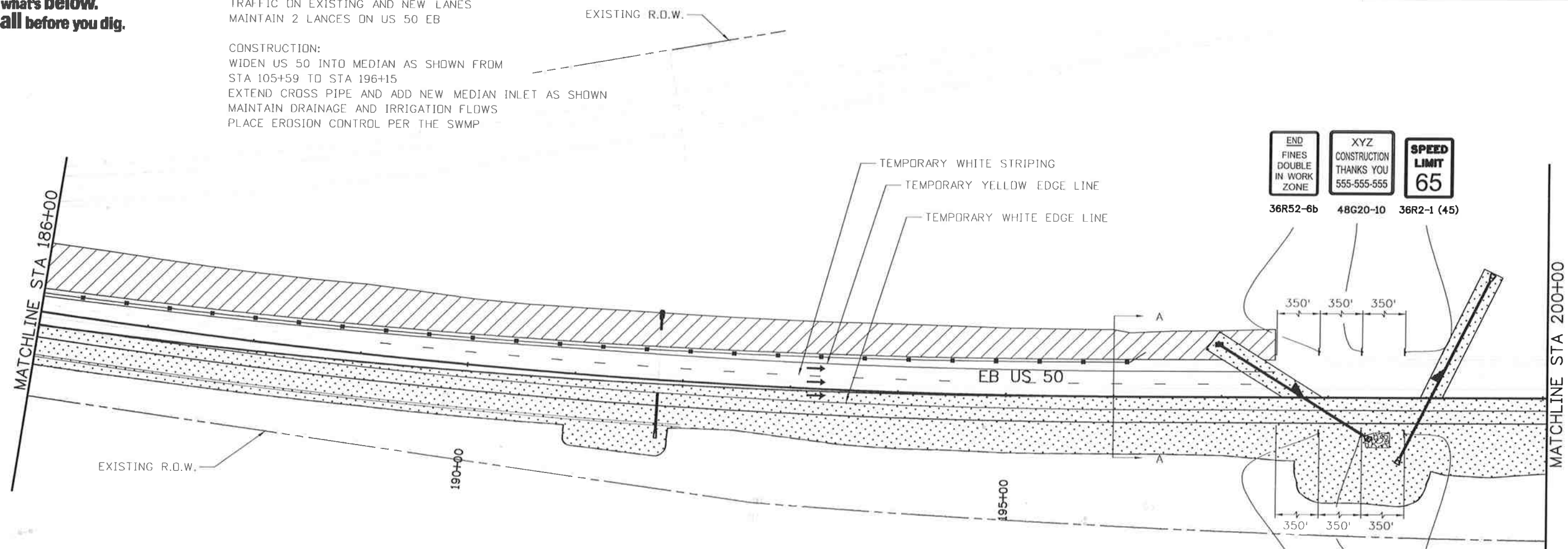
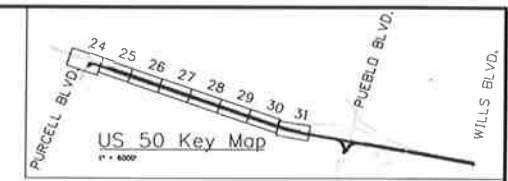


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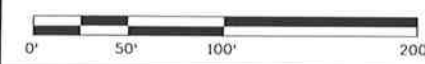
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TRAFFIC ON EXISTING AND NEW LANES
MAINTAIN 2 LANES ON US 50 EB

CONSTRUCTION:
WIDEN US 50 INTO MEDIAN AS SHOWN FROM
STA 105+59 TO STA 196+15
EXTEND CROSS PIPE AND ADD NEW MEDIAN INLET AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ☼ FLASHING BEACON
- TYPE 7 BARRIER
- ▭ IMPACT ATTENUATOR
- ▬ BARRICADE
- ▲— DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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Region 2 DTD

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US 50 WEST
 PURCELL BLVD. TO WILLS BLVD.
 CTC - PHASE 3

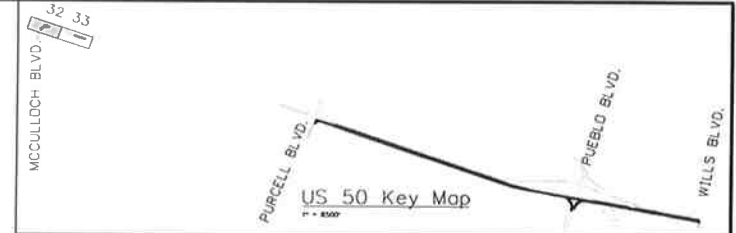
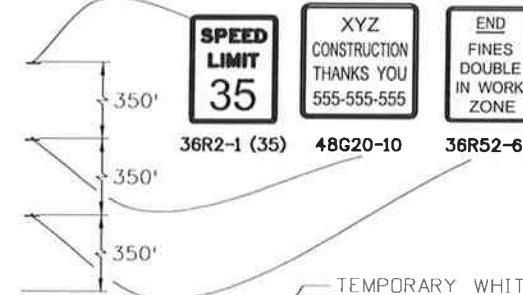
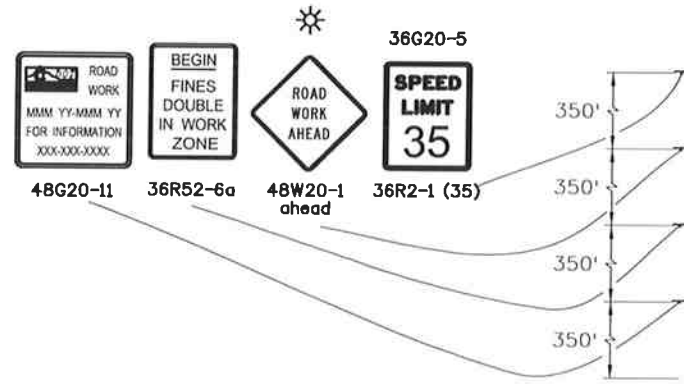
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Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT31 of 33

Project No./Code	FSA 0503-081
	19751
Sheet Number	276

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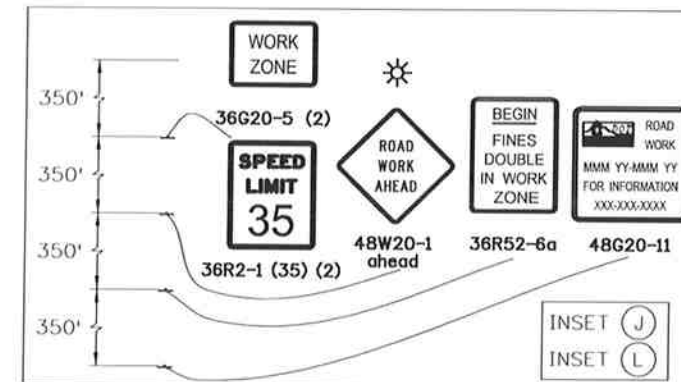
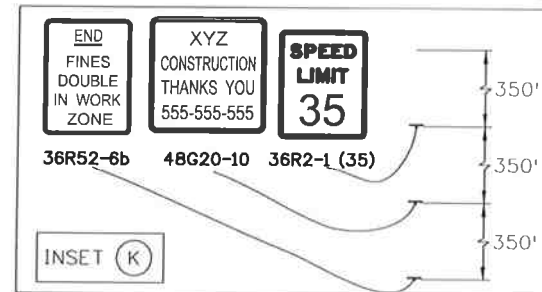
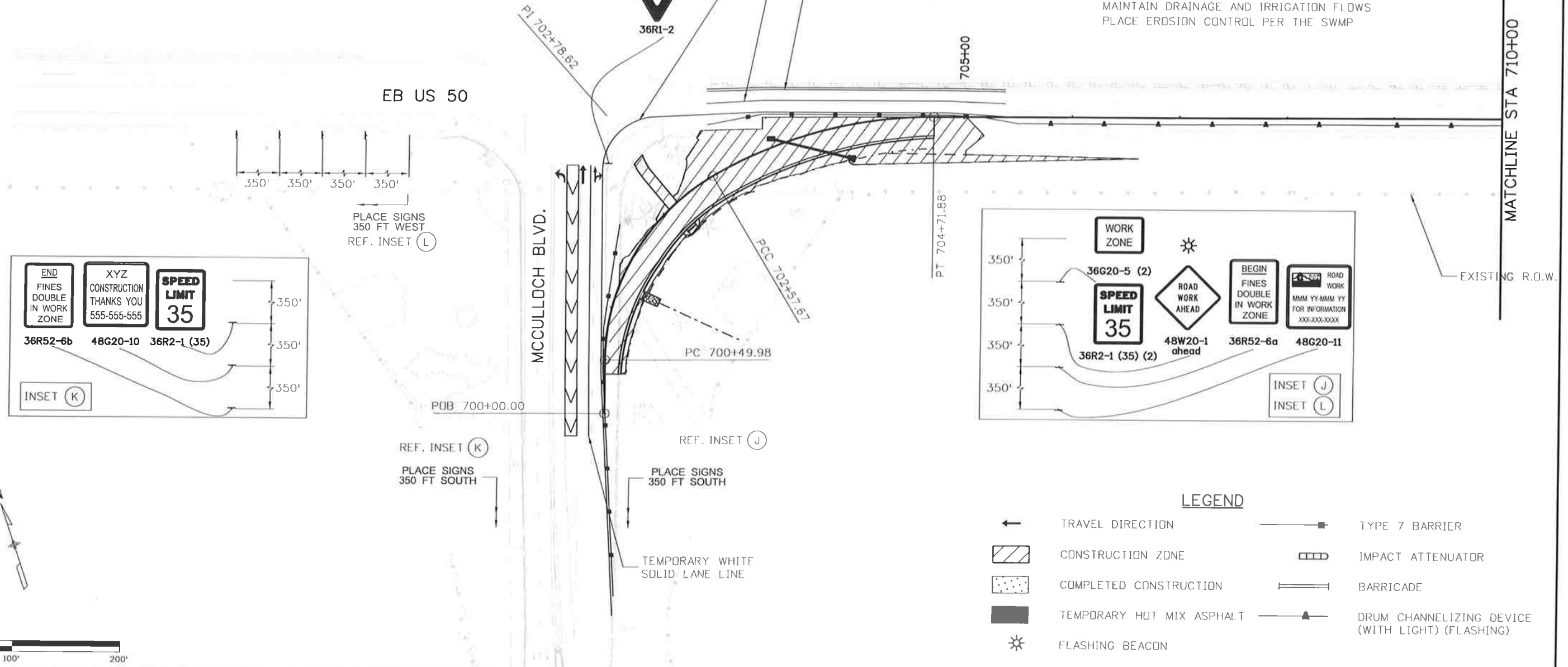
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PHASE 4

TRAFFIC CONTROL:
MCCULLOCH BLVD TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON MCCULLOCH BLVD NB
LANE SHIFTS AT INTERSECTION OF US 50/MCCULLOCH BLVD

CONSTRUCTION:
CONSTRUCT RIGHT TURN LANE ON MCCULLOCH BLVD AS SHOWN
CONSTRUCT CROSS PIPE AND SWALE AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND

- ← TRAVEL DIRECTION
- ▨ CONSTRUCTION ZONE
- ▤ COMPLETED CONSTRUCTION
- TEMPORARY HOT MIX ASPHALT
- ☀ FLASHING BEACON
- TYPE 7 BARRIER
- ▩ IMPACT ATTENUATOR
- BARRICADE
- ▲ DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)



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US 50 WEST
MCCULLOCH BLVD.
CTC - PHASE 4

Designer:	AB	Structure	
Detailer:	AB	Numbers	
Subset:	CT	Subset Sheets:	CT32of 33

Project No./Code

FSA 0503-081
19751
Sheet Number 277



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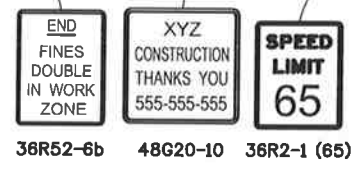
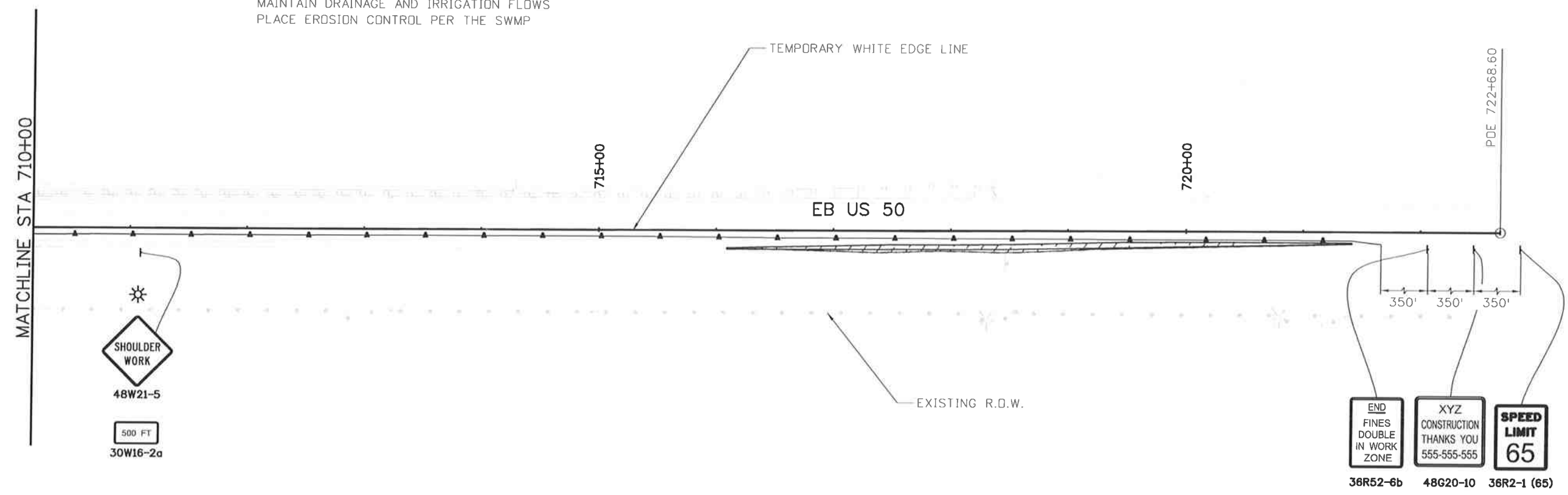
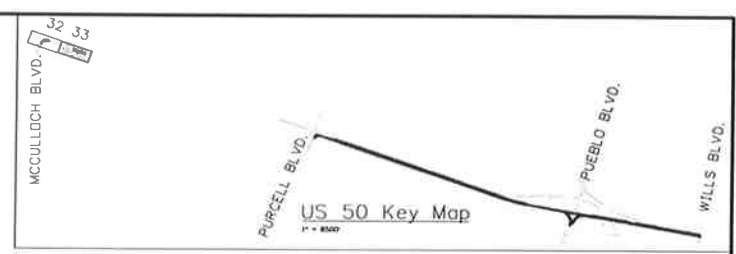


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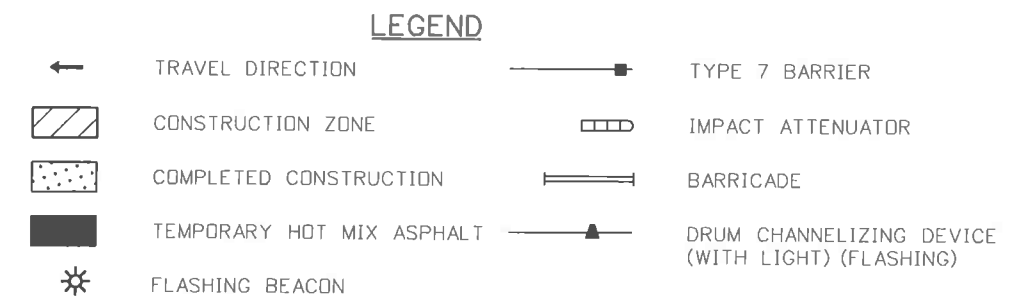
PHASE 4

TRAFFIC CONTROL:
US 50 TRAFFIC ON EXISTING PAVEMENT
MAINTAIN 2 LANES ON US 50 EB
CLOSE EXISTING ACCELERATION LANE

CONSTRUCTION:
CONSTRUCT SHOULDER AS SHOWN
MAINTAIN DRAINAGE AND IRRIGATION FLOWS
PLACE EROSION CONTROL PER THE SWMP



LEGEND



Print Date: 10/9/2014
File Name: 19056DES_Construction Phasing4_2.dgn
Horiz. Scale: 1:100 Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

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 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702
 Region 2 DTD

As Constructed
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US 50 WEST
 MCCULLOCH BLVD.
 CTC - PHASE 4
 Designer: AB Structure
 Detailer: AB Numbers
 Subset: CT Subset Sheets: CT33of 33

Project No./Code
 FSA 0503-081
 19751
 Sheet Number 278

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TRAFFIC SIGNAL GENERAL NOTES AND TABULATION OF SIGNAL QUANTITIES

- Traffic Signal Materials and Installation shall comply with the "State of Colorado - Standard Specifications for Road and Bridge Construction". The "State of Colorado - Standard Plans, M and S Standards (Latest Edition)", the "Manual of Uniform Traffic Control Devices", the "National Electric Code", and all local ordinances and regulations that apply, except as noted on the plans or special provisions.
- The Contractor shall adhere to the following requirements regarding Traffic Signal construction and maintenance personnel. Current Certificates showing qualifications shall be submitted at the pre-construction meeting.
 - For any work inside the traffic signal cabinet, Signal and Signal Bench Technicians shall be minimum IMSA Level II certified. This includes the completion of training in construction, corrective maintenance and signal turn-on.
 - For all work external to the signal cabinet, a minimum IMSA Level I Traffic Signal Field Technician/Electrician - or Traffic Signal Bench Technician/Signal Technician - is required. An IMSA Level II Traffic Signal Electrician - shall be on the job site at all times that signalization work is taking place to ensure proper construction. A maximum ratio of four IMSA Level-I to one IMSA Level-II will be allowed for work external to the signal cabinet.
 - The United States Department of Labor - Bureau of Apprenticeship and Training may be substituted for the IMSA Level I Traffic Signal Electrician requirement.
- All vehicle and pedestrian indications shall be approved solid state LED type. All vehicle and pedestrian head housings shall be yellow in color. Luminaires shall be LED (8500 Lumens) at 40-foot mounting height.
- Traffic signals that are mounted on mast arms shall be furnished with mounting brackets and black louvered backing plates. All signal heads to be centered over outbound lanes as per plans. Signal backplates shall include yellow retroreflective border.
- Installation shall include ADA pedestrian push buttons. Pedestrian push button signs shall conform to MUTCD or r103b.
- The signal shall not be put in flash mode or made fully operational until CDOT has inspected and approved the installation, and all pavement markings are in place. The existing or temporary traffic signal shall remain operational until the new signal is tested and approved by the engineer for operational service. Contact Dave Pierce, Region 2 (719-546-5499)
- All used or excess signal equipment shall remain the property of CDOT and delivered to the Region 2 signal shop; contact Dave Pierce, Region 2 (719-546-5499).
- Measurement and payment of traffic signal construction items shall conform to the project specifications.
- All items not shown in the traffic signal quantities shall be considered incidental to the construction of the traffic signals and will not be paid & measured separately. All quantities are approximate. The contractor shall be responsible for all work necessary to complete the construction shown on the plans to build a complete and functioning system.
- The contractor shall field verify all mast arm lengths with Dave Pierce (719-546-5499), prior to ordering the mast arms.
- Should contractor incur water in the caisson excavation, any de-watering methods & necessary permits shall be included in the cost of the caisson.
- All conduits shall have a pull rope left in them when construction is completed. All conduit under the roadway shall be directionally bored a minimum of 3' below existing pavement. Directionally bored conduit and fittings shall be HDPE 3408.
- All signal cable shall be continuous from connections made in the hand-hole compartment of signal pole base to the terminal compartment in the controller cabinet. Splicing shall not be permitted.
- Signal heads shall be bagged with a heavy black plastic until ready for operation.
- All removed luminaires and poles shall remain property of CDOT.
- All camera detector lead-in cables are continuous from the controller to the camera detectors. No splices will be permitted. Camera detectors shall be mounted in accordance with the manufacturer recommendations and approved by CDOT. All cameras shall be mounted on signal mast arms with a 5' extension arm (to be included in the cost).
- Contractor shall complete all work necessary for the operation of the system, and shall contact CDOT traffic operations, Contact Eric Lundberg, Region 2 (719-546-5405), to schedule a compliance inspection prior to flash

- operation. Upon completion of the inspection, the field operation testing shall begin. The complete traffic system shall be fully operational and fully tested at the completion of the project.
- Traffic signals will need to run for a minimum of 15 days without any issues, as identified by Region 2 Traffic Operations (Contact Eric Lundberg, at 719-546-5405), before the project will be accepted.
 - Pull box locations are approximate. Actual locations shall be verified in the field by the engineer. All pull boxes shall be flush with finished ground surface. Pull boxes shall not be spaced farther than 200' apart.
 - Prior to all milling or planing operation at signalized intersections, all video detection equipment called out in the plans shall be in place and shall be operational. All video detection changes during milling or planing operations and striping reconfiguration will not be measured and paid for separately but shall be included in the work.
 - No excavation shall be permitted until underground utilities have been located to the satisfaction of all parties. The Contractor shall be responsible for protecting all utilities above and below ground during construction. Contact the Utility Notification Center of Colorado (UNCC) to have locations of UNCC registered lines marked by member companies. Call 811 for all locations. For location of CDOT utilities, contact Joe Trevizo at 719-546-574. All other utilities shall be located by contacting the respective company.
 - Two or more weeks prior to the start of construction, the Contractor shall submit temporary phasing and timing signal plans to the Engineer for approval.
 - Contractor's signal electrician is required to be on site, at a minimum, during AM & PM peak hours following the next day a signal is turned on to observe operation and make adjustments as needed. Signal electrician's additional hours may be required by the Engineer. This applies to both permanent and temporary installations.
 - The Contractor shall provide CDOT with at least four (4) sets of equipment specifications/descriptions and obtain approvals prior to ordering the equipment.
 - The Contractor shall adjust the existing traffic signal interconnects in the project area, as necessary
 - All manuals, installation guides and associated equipment shall be provided to the Engineer at time of inspection.

TABULATION OF SIGNAL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	US 50 INTERSECTION				TOTAL
			McCULLOCH BLVD	PURCELL BLVD	PUEBLO BLVD	WILLS BLVD	
202-00040	REMOVAL OF ELECTRICAL CONDUIT	LF				30	30
202-00750	REMOVAL OF LUMINAIRE	EA			2	1	3
202-00825	REMOVAL OF FLASHING BEACON	EA	1	1			2
202-00827	REMOVAL OF PULL BOX	EA			2	2	4
202-00831	REMOVAL OF TRAFFIC SIGNAL HEAD	EA		2			2
202-00840	REMOVAL OF TRAFFIC SIGNAL POLE	EA			2	1	3
202-00858	REMOVAL OF PEDESTAL POLE	EA				1	1
202-00860	REMOVAL OF PEDESTRIAN PUSH BUTTON	EA		2			2
210-00476	RESET MICROWAVE VEHICLE RADAR DETECTOR (MVRD)	EA		1	1	1	3
210-00815	RESET SIGN PANEL	EA				1	1
210-00890	RESET INTERSECTION DETECTION SYSTEM (CAMERA)	EA			2	4	6
503-00012	DRILLED CAISSON (12 INCH)	LF				7	7
503-00018	DRILLED CAISSON (18 INCH)	LF	4				4
503-00036	DRILLED CAISSON (36 INCH)	LF			19		19
503-00048	DRILLED CAISSON (48 INCH)	LF			21	21	42
613-00206	2 INCH ELECTRICAL CONDUIT (BORED)	LF	234		300	125	659
613-00306	3 INCH ELECTRICAL CONDUIT (BORED)	LF			600	200	800
613-07023	PULL BOX (24"X36"X24") *	EA		1	3	2	6
613-10000	WIRING **	LS	0.25		0.25	0.25	0.75
613-13006	LUMINAIRE (LED) (8500 LUMENS)	EA			2	1	3
614-00011	SIGN PANEL (CLASS I)	SF	15.0		53.5	33.1	102
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN)	EA			6	2	8
614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EA			8	3	11
614-70448	TRAFFIC SIGNAL FACE (12-12-12-12)	EA			2	1	3
614-72860	PEDESTRIAN PUSH BUTTON	EA			6	1	7
614-72863	PEDESTRIAN PUSH BUTTON POST ASSEMBLY	EA				1	1
614-81150	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-50 FOOT MAST ARM)	EA			1		1
614-81160	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-60 FOOT MAST ARM)	EA			1	1	2

* PULL BOX QTY INCLUDES (1) PULL BOX EACH AT PURCELL BLVD AND PUEBLO BLVD FOR FLASHING BEACON RESETS (SEE SIGNING AND STRIPING PLAN FOR LOCATION).
 ** QTY INCLUDES WIRING FOR ITEMS SUCH AS DETECTION SYS. (CAMERA) AND FLASHING BEACON; REMAINING WIRING LS QUANTITY FOR VMS.
 TAB. OF SIG. QTY. CARRIED FORWARD TO SUMMARY OF TRAFFIC ENGINEERING ITEMS AND PROVIDED HERE FOR INFO ONLY

Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation	As Constructed	US 50 WEST		Project No./Code
File Name: 19056_Traffic_Signal_Gen_Notes.dgn	Date:	Comments	Init.			PURCELL BLVD. TO WILLS BLVD.		
Horiz. Scale: 1:30				 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702	No Revisions:	TRAFFIC SIGNAL PLANS		19751
Vert. Scale: As Noted						Revised:	Designer: ACE	
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Know what's below.
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REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON ACROSS CROSS WALK

NOTE:
MAINTAIN EXISTING POWER SOURCE.
EXISTING TRAFFIC SIGNAL EQUIPMENT (EXCEPT PEDESTRIAN SIGNALS) TO REMAIN IN PLACE.
CONTRACTOR TO RESET MICROWAVE VEHICLE RADAR DETECTOR AND TO ENSURE THAT ALL EXISTING TRAFFIC DETECTION STRATEGIES (AT THE INTERSECTION AS WELL AS THE CORRIDOR) ARE ADJUSTED TO ACCOMMODATE ADDITIONAL LANE.

REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH BUTTON

RESET FLASHING BEACON IN-PLACE WITH PROPOSED PULL BOX (24"X36"X24") AT STA 105+85; 35' RT. REFER SIGNING PLANS

EXISTING SIGNAL POLE, PULL BOX AND CONDUIT TO REMAIN IN PLACE

EB US 50

REMOVE EXISTING CROSS WALK STRIPING

96+00

97+00

99+00










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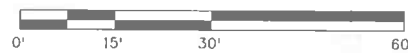
PURCELL BLVD.

ABANDON ELECTRICAL CONDUIT IN PLACE


REMOVE FLASHING BEACON

LEGEND

-  CONTROLLER CABINET
-  SIGNAL FACE WITHOUT BACKPLATE
-  SIGNAL FACE WITH BACKPLATE
-  LUMINAIRE (LED) (8500 LUMENS)
-  PEDESTRIAN PUSH BUTTON
-  PEDESTRIAN SIGNAL FACE
-  SIGNAL POLE MAST ARM
-  PULL BOX
-  VIDEO DETECTION CAMERA




Print Date: 10/9/2014
 File Name: 19056INT-SIG-02.dgn
 Horiz. Scale: 1:30 Vert. Scale: As Noted



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 Littleton, Colorado 80120

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



902 Erie Avenue
 Pueblo, CO 81001
 Phone: 719-562-5509 FAX: 719-546-5702

Region 2 DTD

As Constructed
No Revisions:
Revised:
Void:

US 50 WEST PURCELL BLVD. TRAFFIC SIGNAL PLANS	
Designer: ACE	Structure
Detailer: ACE	Numbers
Subset: SIG	Subset Sheets: SIG2 of 4

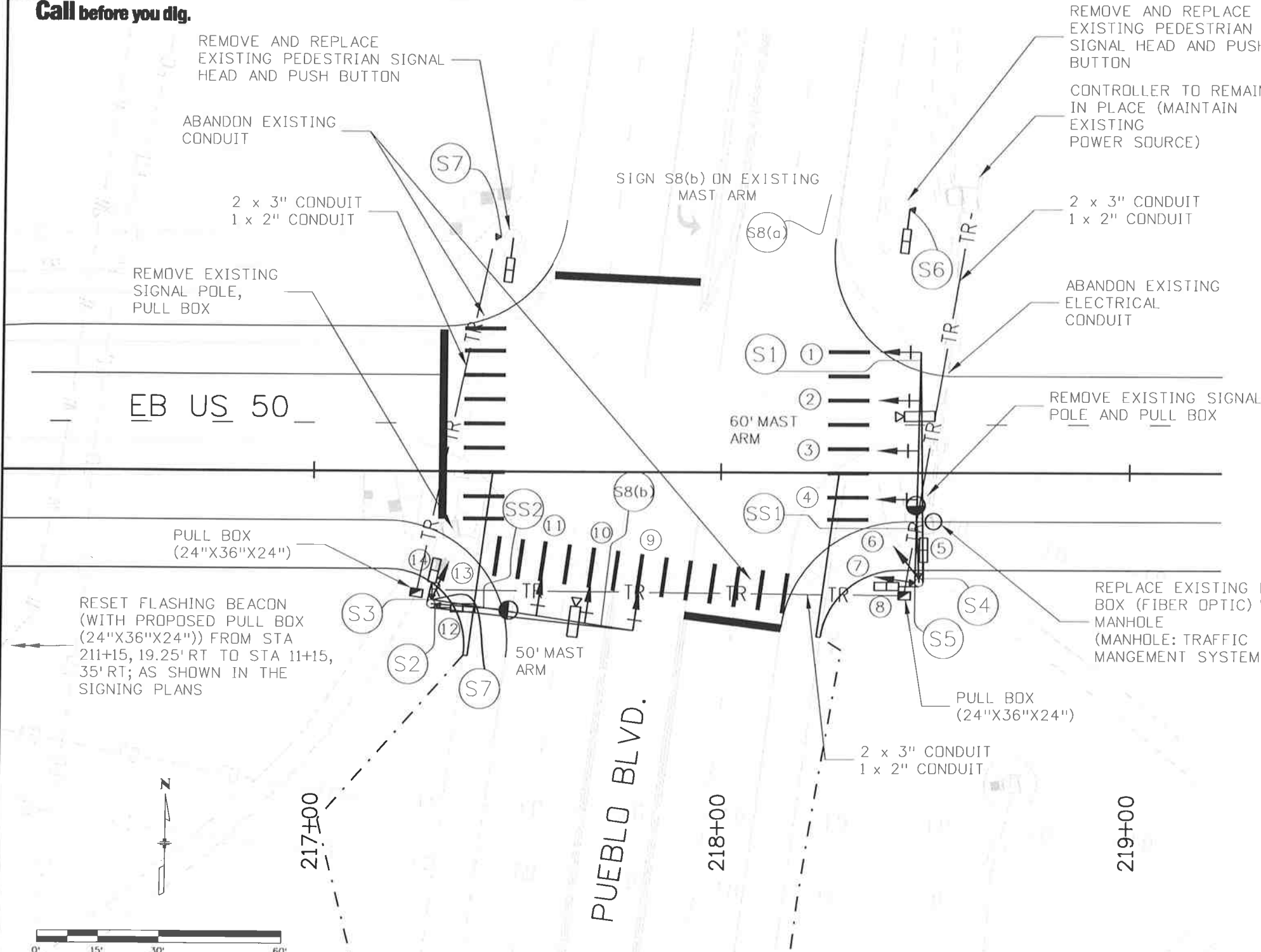
Project No./Code
FSA 0503-081
19751
Sheet Number 280

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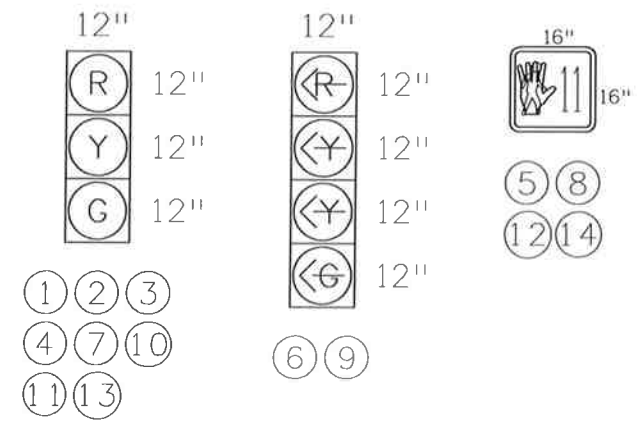


Know what's below.
Call before you dig.

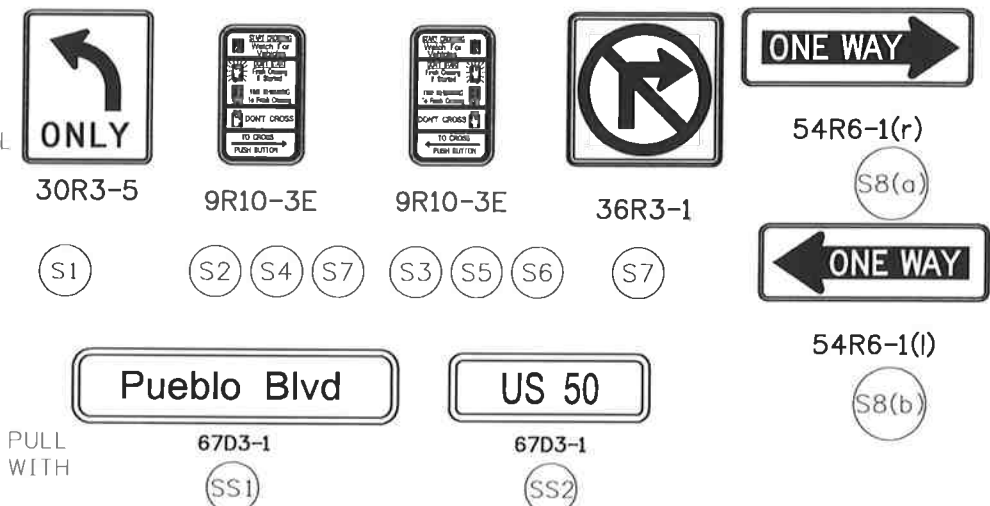
NOTE:
MAINTAIN EXISTING POWER SOURCE.
EXISTING SIGNAL CONTROLLER TO REMAIN IN PLACE.
MAINTAIN EXISTING SIGNAL PHASING.
CONTRACTOR TO RESET CAMERA AND MICROWAVE VEHICLE RADAR DETECTORS AND TO ENSURE THAT ALL EXISTING TRAFFIC DETECTION STRATEGIES (AT THE INTERSECTION AND ALONG THE US 50 CORRIDOR) ARE ADJUSTED TO ACCOMMODATE ADDITIONAL LANE.



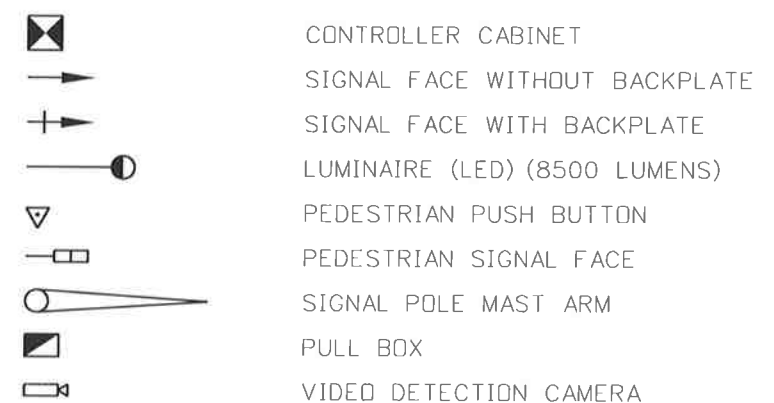
TRAFFIC SIGNAL HEADS



SIGNS



LEGEND



Print Date: 10/9/2014
File Name: 190561INT-SIG-03.dgn
Horiz. Scale: 1:30 Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
902 Erie Avenue
Pueblo, CO 81001
Phone: 719-562-5509 FAX: 719-546-5702
Region 2 DTD

As Constructed
No Revisions:
Revised:
Void:

US 50 WEST
PUEBLO BLVD.
TRAFFIC SIGNAL PLANS
Designer: ACE Structure
Detailer: ACE Numbers
Subset: SIG Subset Sheets: SIG3 of 4

Project No./Code
FSA 0503-081
19751
Sheet Number 281



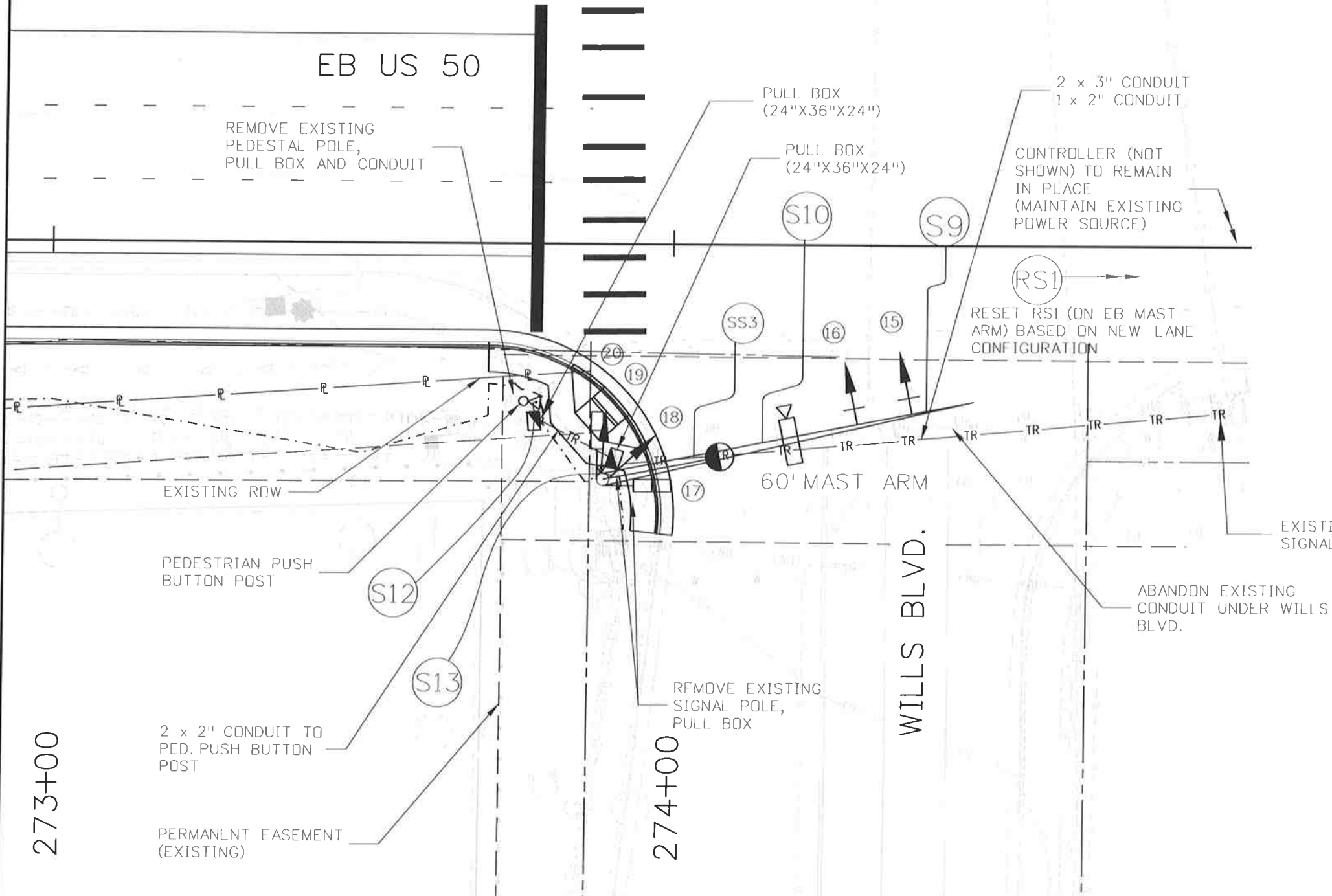
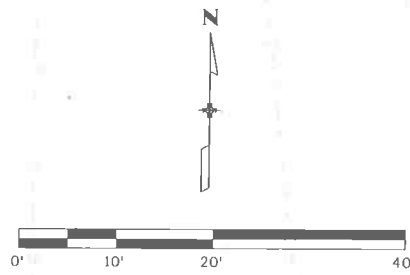
J. F. SATO AND ASSOCIATES
5898 South Ropp Street
Littleton, Colorado 80120

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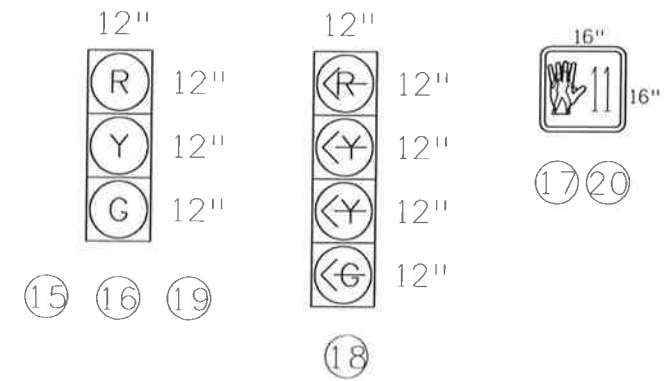


Know what's below.
Call before you dig.

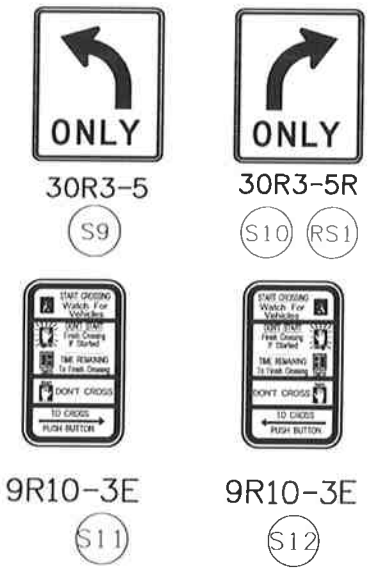
NOTE:
MAINTAIN EXISTING POWER SOURCE.
EXISTING SIGNAL CONTROLLER TO REMAIN IN PLACE.
MAINTAINING EXISTING SIGNAL PHASING.
CONTRACTOR TO RESET CAMERA AND MICROWAVE VEHICLE RADAR DETECTORS AND TO ENSURE THAT ALL EXISTING TRAFFIC DETECTION STRATEGIES (AT THE INTERSECTION AS WELL AS THE US 50 CORRIDOR) ARE ADJUSTED TO ACCOMMODATE ADDITIONAL LANE.
SURVEY SHOWN FOR EAST SIDE OF INTERSECTION IS NOT CURRENT.



TRAFFIC SIGNAL HEADS



SIGNS



RESET EXISTING SIGN R3-5R (RS1 - LOCATION NOT SHOWN) ON US 50 EB MAST ARM

LEGEND

- CONTROLLER CABINET
- SIGNAL FACE WITHOUT BACKPLATE
- SIGNAL FACE WITH BACKPLATE
- LUMINAIRE (LED) (8500 LUMENS)
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN SIGNAL FACE
- SIGNAL POLE MAST ARM
- PULL BOX
- VIDEO DETECTION CAMERA

Print Date: 10/9/2014	Sheet Revisions			Colorado Department of Transportation	As Constructed	US 50 WEST WILLS BLVD. TRAFFIC SIGNAL PLANS		Project No./Code FSA 0503-081
File Name: 19056INT-SIG-04.dgn	Date:	Comments:	Init.:			No Revisions:	Designer: ACE	
Horiz. Scale: 1:20.1				902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	Revised:	Detailer: ACE		Sheet Number 282
Vert. Scale: As Noted					Void:	Subset: SIG	Subset Sheets: SIG4 of 4	

JFS&A
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 5898 South Rapp Street
 Littleton, Colorado 80120

c:\na\0900...jobs\0940E\CDOT US50 Design\04...Design\19056\Drawings\29_Traffic_Signal_Design\19056INT-SIG-04.dgn

614-00011 614-00012 614-00013 614-01502 614-01572 614-00615 614-03002 210-00825

Tabulation of Signs																				
Sign No.	Location	Station	Direction		Side	Sign Code	Sign Panel Size			Backgrnd. Color	Sign Panel			Steel Sign Supp. (P) (2" Round)		Steel Sign Supp. (P1) (2.5" Round)		Steel Post (W Shape)	Concrete Footing Type2	Reset Flashing Beacon
			Bound	Facing			W"	x	H"		Class I	Class II	Class III	Socket	Post	Slipbase	Post	W6x15 Beam		
																		Each		
1	McCulloch Blvd.	700+41	NB	South	RT	R10-15R	36	x	30	Yellow Green							1	10		
2	Purcell Blvd.	1+00.31	NB	South	RT	R5-1	36	x	36	Yellow Green		9								
3	Purcell Blvd.	1+00.31	NB	South	RT	R10-15R	36	x	30	Yellow Green		8					1	10		
4	Purcell Blvd.	3+64	NBR	South	RT	W4-3	48	x	48	Yellow		16					1	11		
5	US 50	113+68	EB	West	RT	M3-2	36	x	18	White		5					1	12		
6	US 50	113+68	EB	West	RT	M1-4	36	x	36	White		9								
7	US 50	108+15	EB	West	RT	D50-1C	36	x	48	Blue		12					1	12		
8	US 50	107+95	EB	West	RT	D10-3	12	x	48	Green	4			1	12					
R1	US 50	105+88	EB	East	LT	W3-4	36	x	36	Yellow		9								1
R2	US 50	105+88	EB	East	LT	W16-13	24	x	18	Yellow		3								
9	US 51	113+00	EB	West	LT	R4-50	36	x	45	White		11					1	11		
10	US 50	124+00	EB	West	RT	R2-4a	36	x	72	White		18					1	13		
11	US 50	124+00	EB	West	LT	R2-1	36	x	48	White		12					1	11		
12	US 50	160+40	EB	West	RT	D10-3	12	x	48	Green	4			1	12					
13	US 50	198+41	EB	West	RT	W3-3	48	x	48	Yellow		16					1	11		
14	US 50	194+44	EB	West	RT	SP-1	120	x	102	Green/Brown			85					34	2	
15	US 50	186+24	EB	West	RT	SP-2	126	x	96	Green			84					33	2	
16	US 50	213+50	EB	West	RT	M3-2	36	x	18	White		5								
17	US 50	213+50	EB	West	RT	M1-4	36	x	36	White		9					1	14		
18	US 50	213+50	EB	West	RT	M6-3	30	x	21	White		4								
R3	US 50	211+20	EB	West	RT															1
19	US 50	206+44	EB	West	RT	SP-3	126	x	102	Green			89					33	2	
20	US 50	206+00	EB	West	RT	D10-3	12	x	48	Green	4			1	12					
21	US 50	202+44	EB	West	RT	R2-1	36	x	48	White		12					1	11		
22	US 50	211+15	EB	West	RT	W16-13P	30	x	24	Yellow		5					1	13		
23	US 50	211+15	EB	West	RT	W3-4	48	x	48	Yellow		16								
24	US 50	211+15	EB	West	RT	W16-13P	30	x	24	Yellow		5					1	13		
25	US 50	211+15	EB	West	RT	W3-4	48	x	48	Yellow		16								
26	US 50	213+80	EB	East	LT	R5-1a	42	x	30	Red		9					1	10		
27	US 50	213+80	EB	East	LT	R5-1a	42	x	30	Red		9					1	10		
28	US 50	217+20	EB	East	RT	R5-1	36	x	36	White		9					1	10		
29	US 50	217+20	EB	East	LT	R5-1	36	x	36	White		9					1	10		
30	US 50	217+36	EB	South	RT	R6-1	54	x	18	White		7					1	9		
SHEET 1 SUBTOTALS											12	208	259	3	36	13	152	100	6	2

Print Date: 10/9/2014	 J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120	Sheet Revisions			 Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed		US 50 WEST PURCELL BLVD. TO WILLS BLVD. TAB OF SIGNING & PVMT MARKING			Project No./Code	
File Name: I9056 TAB_Sign_1.dgn		Date:	Comments	Init.		No Revisions:	Designer: AB				Structure	FSA 0503-081
Horiz. Scale: 1:100 Vert. Scale: As Noted						Revised:	Detailer: AB	Numbers	19751			
				Void:	Subset: SGT	Subset Sheets: SGT1 of 3	Sheet Number 283					

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614-00011 614-00012 614-00013 614-01502 614-01572 614-00615 614-03002 210-00825

Tabulation of Signs

Sign No.	Location	Station	Direction		Side	Sign Code	Sign Panel Size			Backgrnd. Color	Sign Panel			Steel Sign Supp. (P) (2" Round)		Steel Sign Supp. (P1) (2.5" Round)		Steel Post (W Shape)	Concrete Footing Type2	Reset Flashing Becon
			Bound	Facing			W"	x	H"		Class I	Class II	Class III	Socket	Post	Slipbase	Post	W6x15		
																		Beam		
31	US 50	217+40	EB	North	RT	R6-1	54	x	18	White		7				1	9			
32	US 50	236+00	EB	West	RT	R2-1	36	x	48	White		12				1	11			
33	US 50	231+00	EB	West	RT	M3-2	36	x	18	White		5								
34	US 50	231+00	EB	West	RT	M1-4	36	x	36	White		9			1	12				
35	US 50	245+46	EB	West	LT	R5-1a	42	x	30	Red		9			1	10				
36	US 50	245+46	EB	West	LT	R5-1a	42	x	30	Red		9			1	10				
37	US 50	247+72	EB	West	LT	R5-1	36	x	36	White		9			1	10				
38	US 50	247+72	EB	West	LT	R5-1	36	x	36	White		9			1	10				
39	US 50	248+50	EB	West	RT	R6-1	54	x	18	White		7								
40	US 50	248+50	EB	West	RT	R6-1	54	x	18	White		7			1	10				
41	US 50	249+15	EB	West	RT	R6-1	54	x	18	White		7								
42	US 50	249+15	EB	West	RT	R1-1	36	x	36	Red		9								
43	US 50	249+15	EB	West	RT	R3-2	36	x	36	White		9			1	13				
44	US 50	266+13	EB	West	RT	SP-4	168	x	84	Brown			98				28	2		
45	US 50	265+07	EB	West	RT	R2-1	36	x	48	White		12			1	11				
46	US 50	263+90	EB	West	RT	D10-3	12	x	48	Green	4			1	12					
47	US 50	262+59	EB	West	RT	R3-7r	30	x	30	White	6			1	11					
48	US 50	261+40	EB	West	RT	D50-3	84	x	48	Green			28			2	22			
49	US 50	273+35	EB	West	RT	R5-1	36	x	36	White		9			1	10				
50	US 50	272+16	EB	West	RT	R3-7r	30	x	30	White	6			1	11					
SHEET 2 SUBTOTALS											17	127	126	3	34	13	138	28	2	0
SHEET 1 SUBTOTALS											12	208	259	3	36	13	152	100	6	2
PROJECT TOTALS											29	335	385	6	70	26	290	128	8	2

Print Date: 10/9/2014	 J.F. SATO AND ASSOCIATES 5898 South Ropp Street Littleton, Colorado 80120	Sheet Revisions Date: Comments Init.			 Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed No Revisions: Revised: Void:	US 50 WEST PURCELL BLVD. TO WILLS BLVD. TAB OF SIGNING & PVMT MARKING			Project No./Code FSA 0503-081 19751 Sheet Number 284
File Name: I9056 TAB_Sign_1.dgn							Designer: AB Structure Detailer: AB Numbers			
Horiz. Scale: 1:100 Vert. Scale: As Noted							Subset: SGT Subset Sheets: SGT2of 3			

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