

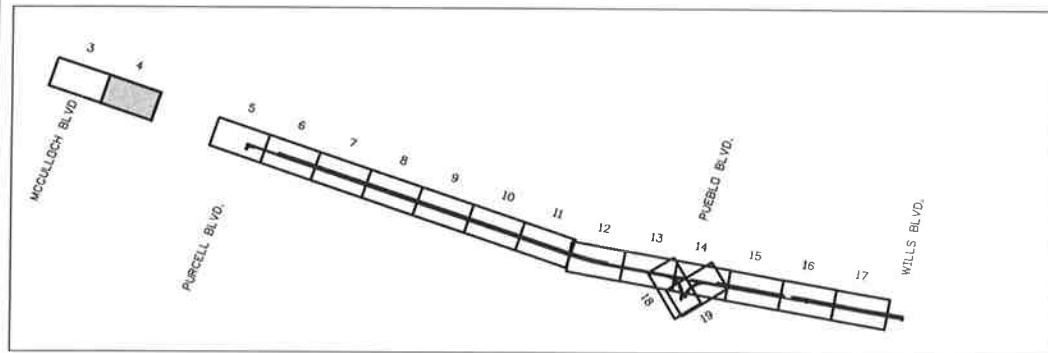
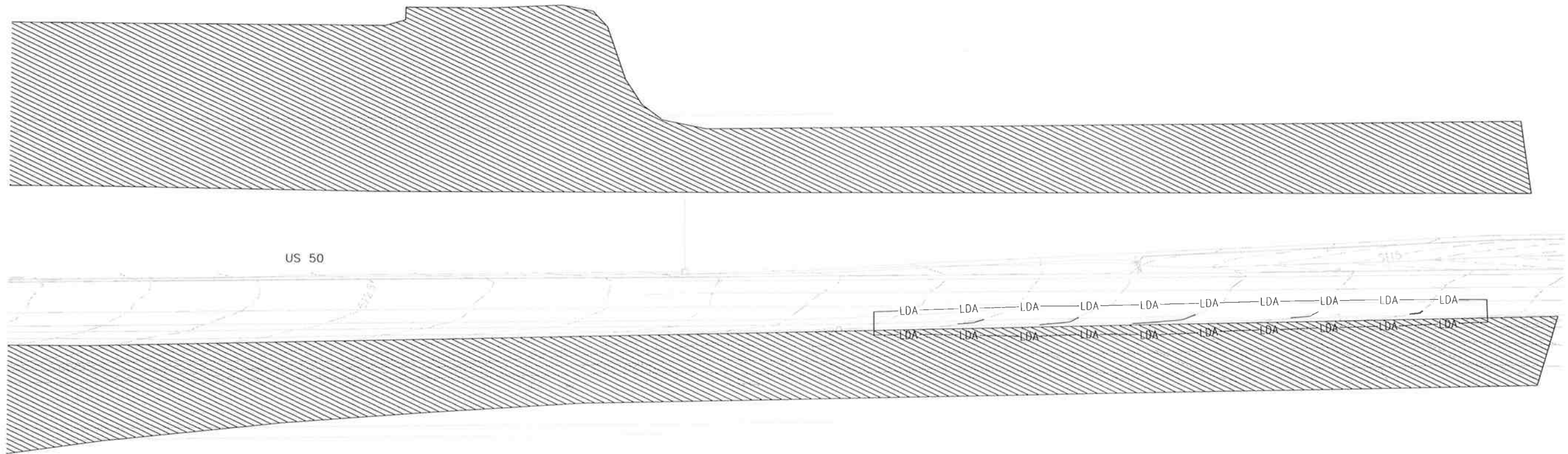




Know what's below.  
Call before you dig.

NOTES:

- 1. SEE SHEET ENV-2 FOR NOXIOUS TREATMENT INFORMATION
- 2. ALL TREES ON THIS SHEET TO REMAIN



KEYMAP



LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELLS (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- PLASTIC FENCE
- LDA- LIMITS OF DISTURBANCE

Print Date: 10/28/2014  
 File Name: 19506LAND\_ENVI\_Plan004.dgn  
 Horiz. Scale: 1:100      Vert. Scale: As Noted



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US 50 WEST  
 MCCULLOCH BLVD  
 ENVIRONMENTAL PLAN

Designer:	KAB	Structure	
Detailer:	KAB	Numbers	
Sheet Subset:	ENVIRO	Subset Sheets:	ENV-4 of 19

Project No./Code

FSA 0503-081

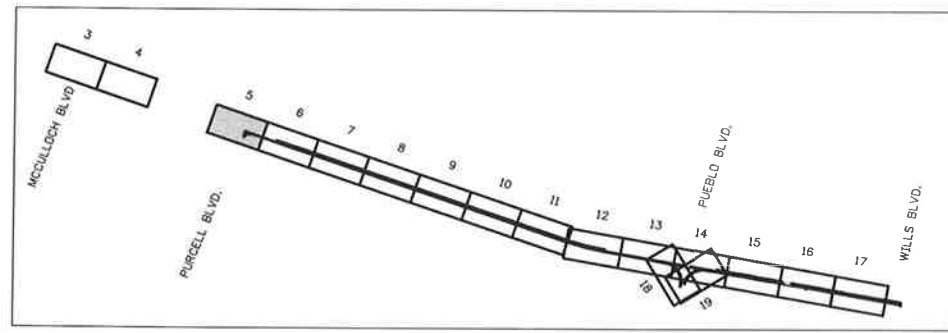
19751

Sheet Number 184

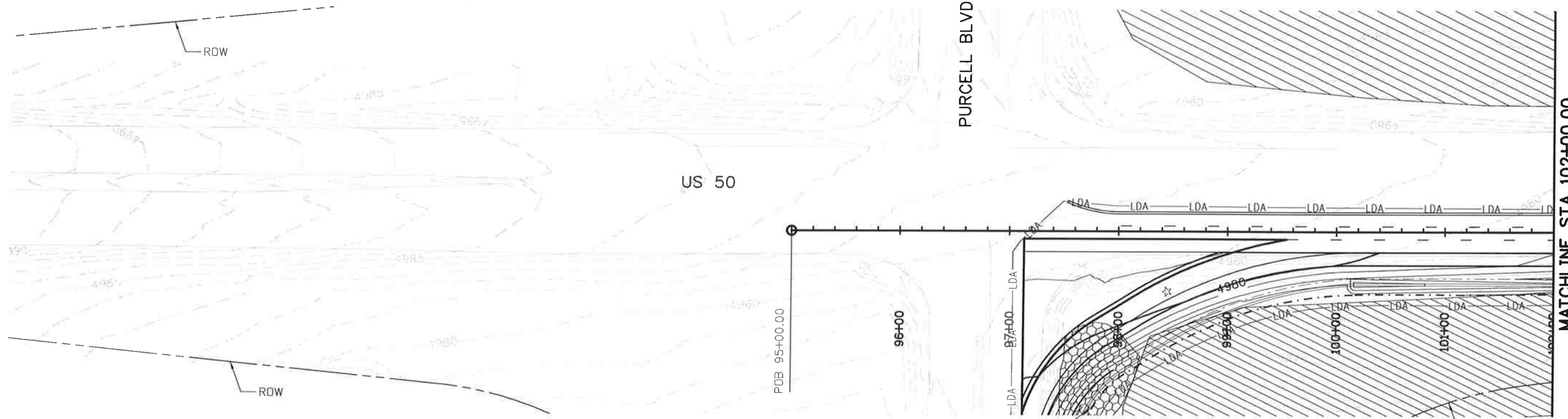
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KEYMAP

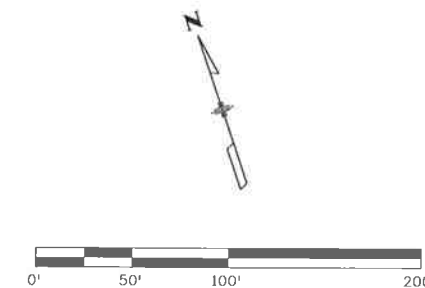


**LEGEND:**

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF - PF - PLASTIC FENCE
- LDA - LIMITS OF DISTURBANCE

**NOTES:**

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION



Print Date: 10/28/2014	
File Name: 19506LAND_ENVI_Plan005.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
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Date:	Comments	Init.

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No Revisions:
Revised:
Void:

<b>US 50 WEST PURCELL BLVD TO WILLS BLVD ENVIRONMENTAL PLAN</b>		
Designer:	KAB	Structure Numbers
Detailer:	KAB	
Sheet Subset:	ENVIRO	Subset Sheets: ENV-5 of 19

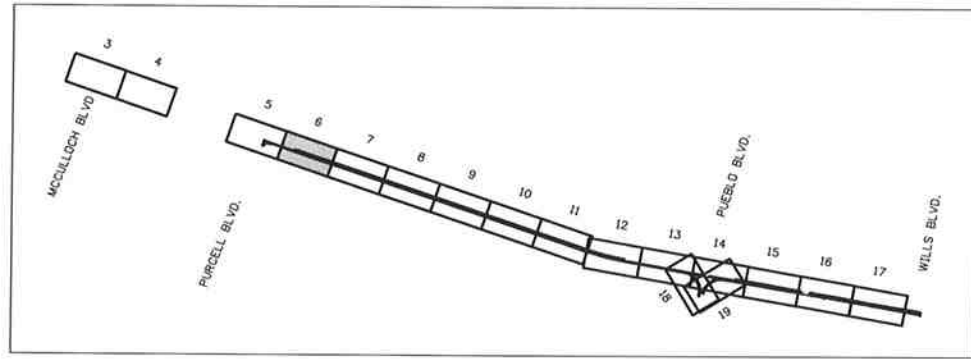
<b>Project No./Code</b>
FSA 0503-081
19751
Sheet Number 185

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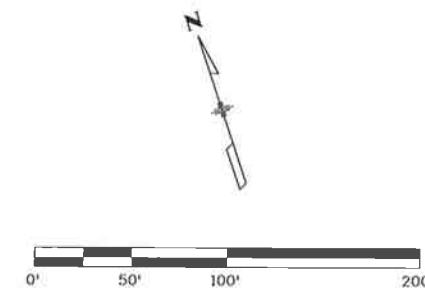
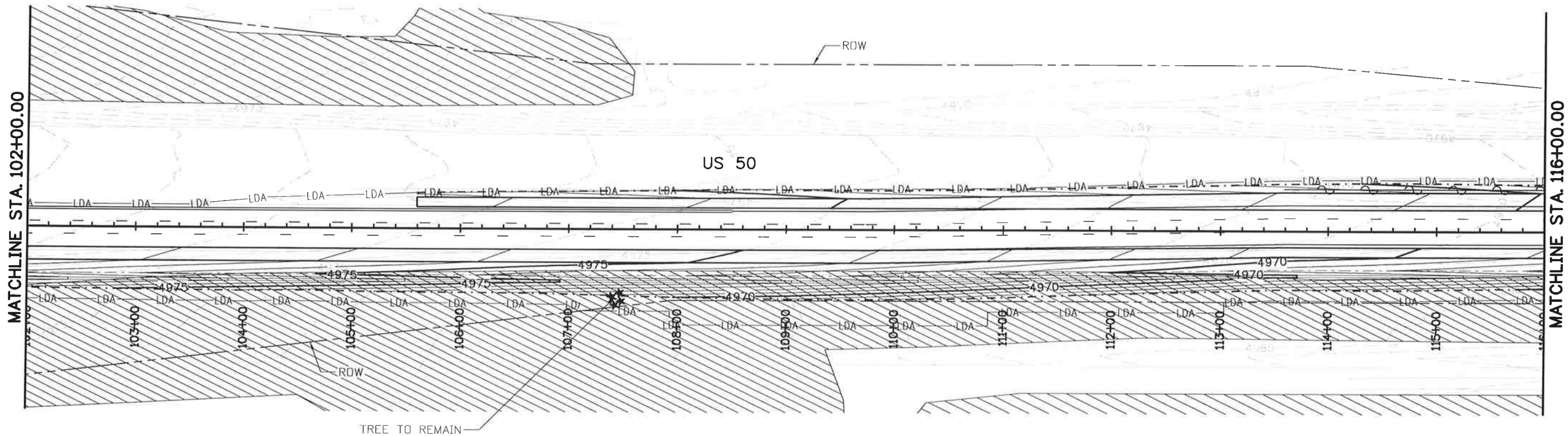
KEYMAP

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- -PF- PLASTIC FENCE
- LDA- -LDA- LIMITS OF DISTURBANCE

NOTES:

1. SEE SHEET ENV-2 FOR NOXIOUS TREATMENT INFORMATION
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Print Date: 10/28/2014

File Name: 19506LAND\_ENVI\_Plan006.dgn

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US 50 WEST  
PURCELL BLVD TO WILLS BLVD  
ENVIRONMENTAL PLAN

Designer:	KAB	Structure	
Detailer:	KAB	Numbers	
Sheet Subset:	ENVIRO	Subset Sheets:	ENV-6 of 19

Project No./Code

FSA 0503-081

19751

Sheet Number 186

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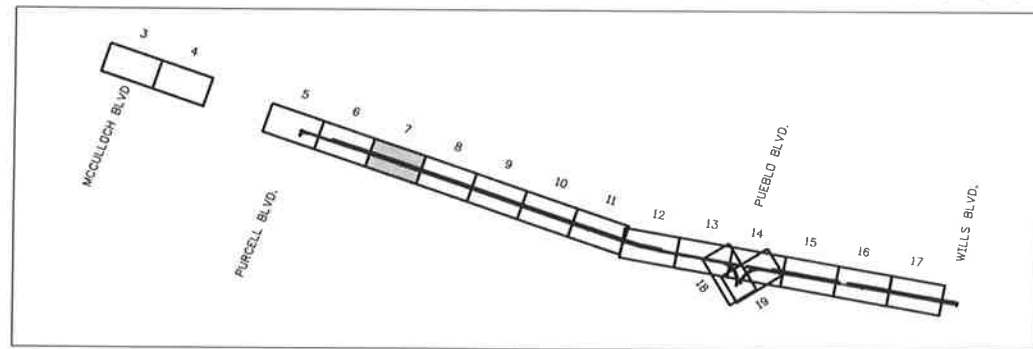
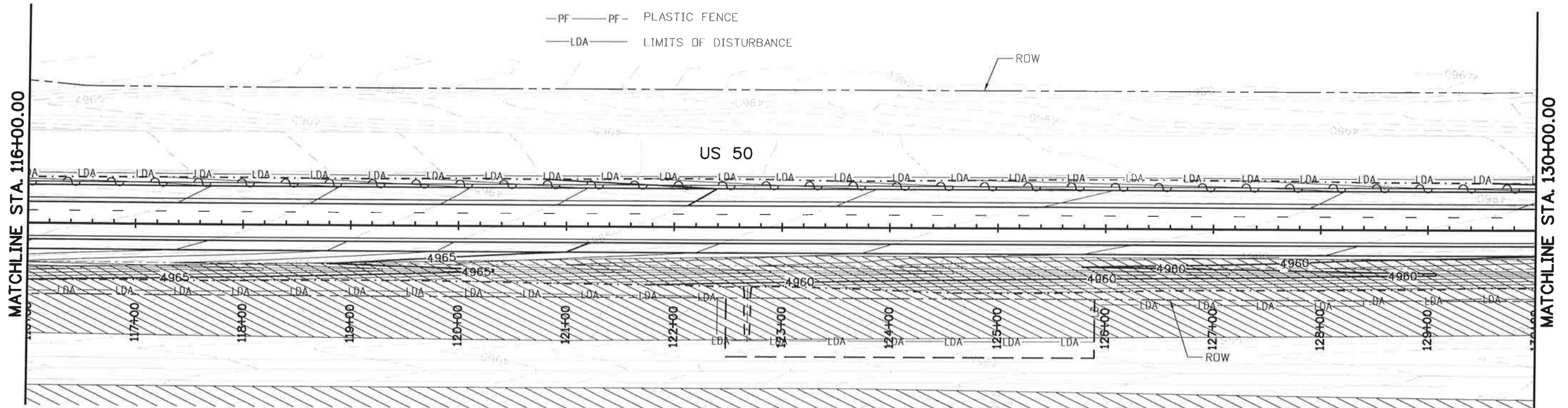
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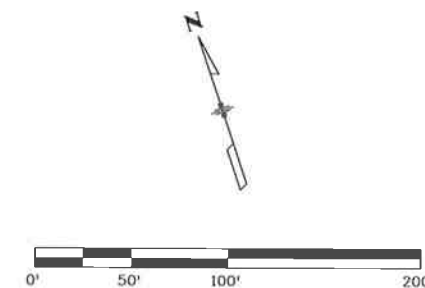
-  WETLANDS
-  NOXIOUS WEEDS
-  PRAIRIE DOGS
-  MONITORING WELL (LOCATION NOT FIELD VERIFIED)
-  TREES
-  REMOVED TREES
-  BIRD NESTS
-  -PF- -PF- PLASTIC FENCE
-  -LDA- -LDA- LIMITS OF DISTURBANCE


**NOTES:**

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION




**KEYMAP**



Print Date: 10/28/2014	
File Name: 19506LAND_ENVI_Plan007.dgn	
Horiz. Scale: 1:100	Vert. Scale: As Noted
	
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Void:

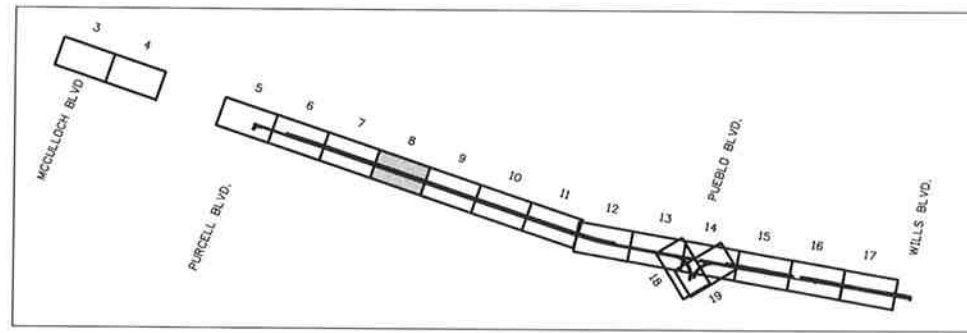
US 50 WEST PURCELL BLVD TO WILLS BLVD ENVIRONMENTAL PLAN			
Designer:	KAB	Structure	
Detailer:	KAB	Numbers	
Sheet Subset:	ENVIRO	Subset Sheets:	ENV-7 of 19

<b>Project No./Code</b>
FSA 0503-081
19751
Sheet Number 187

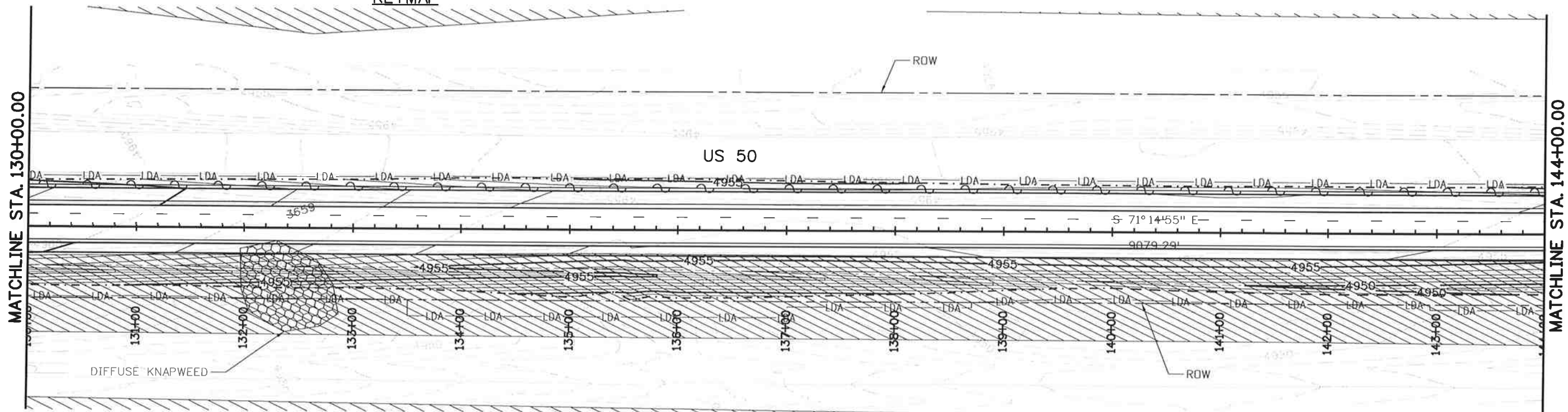
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KEYMAP



LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- PF- PLASTIC FENCE
- LDA- LIMITS OF DISTURBANCE

NOTES:

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION



Print Date: 10/28/2014  
File Name: 19506LAND\_ENVI\_Plan008.dgn  
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Date:	Comments	Init.

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Revised:  
Void:

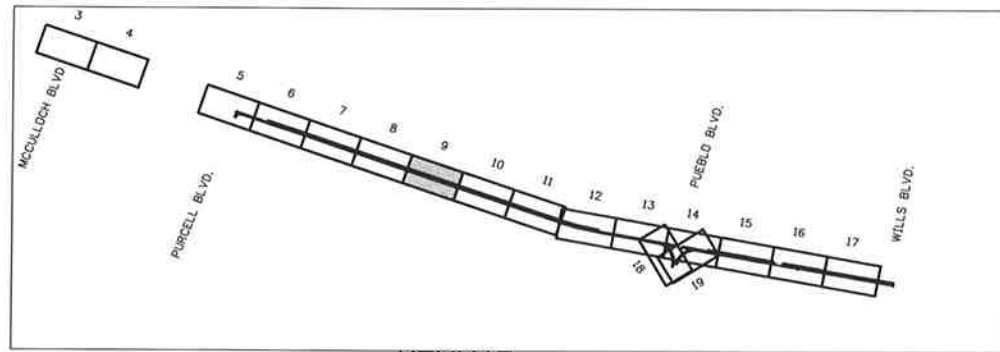
US 50 WEST  
PURCELL BLVD TO WILLS BLVD  
ENVIRONMENTAL PLAN  
Designer: KAB  
Detailer: SYS  
Sheet Subset: ENVIRO  
Structure Numbers  
Subset Sheets: ENV-8 of 19

Project No./Code  
FSA 0503-081  
19751  
Sheet Number 188

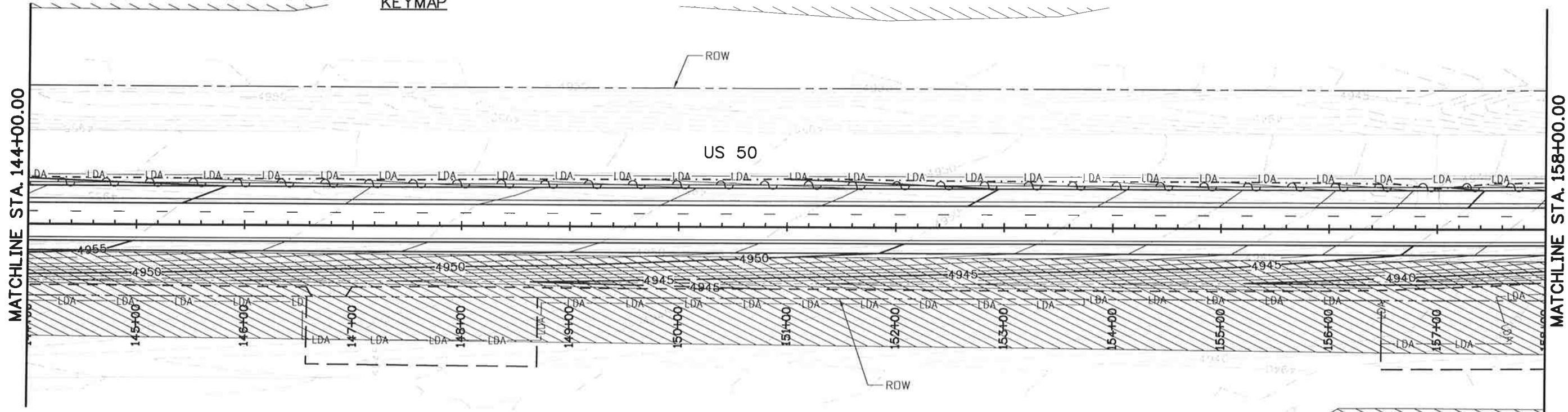
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KEYMAP

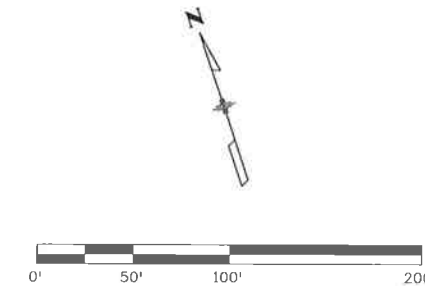


LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- PLASTIC FENCE
- LDA- LIMITS OF DISTURBANCE

NOTES:

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION



Print Date: 10/28/2014

File Name: 19506LAND\_ENVI\_Plan009.dgn

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US 50 WEST  
PURCELL BLVD TO WILLS BLVD  
ENVIRONMENTAL PLAN

Designer:	KAB	Structure Numbers	
Detailer:	KAB		
Sheet Subset:	ENVIRO	Subset Sheets:	ENV-9 of 19

Project No./Code

FSA 0503-081

19751

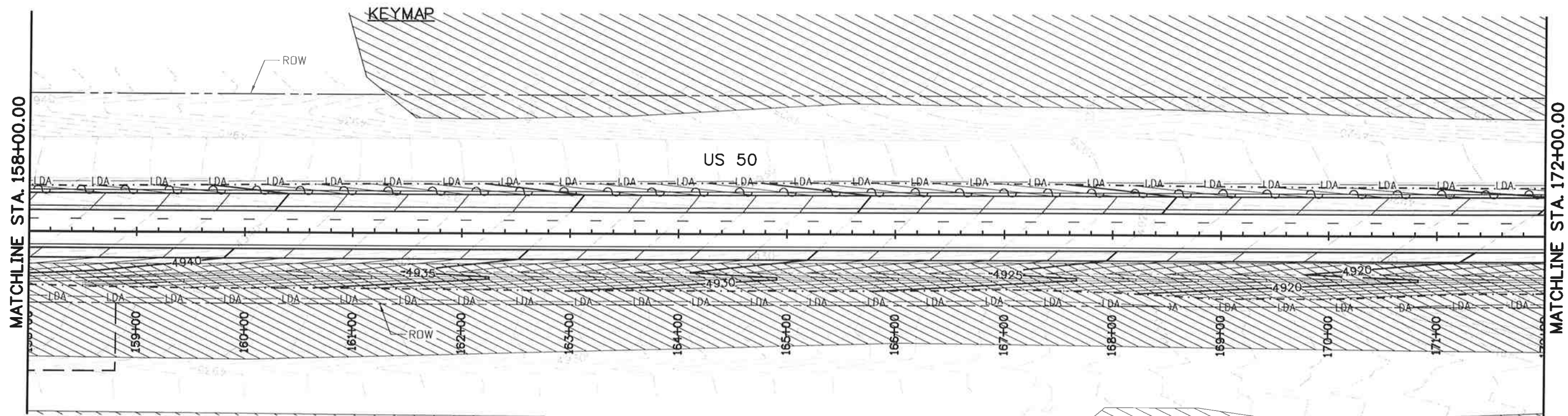
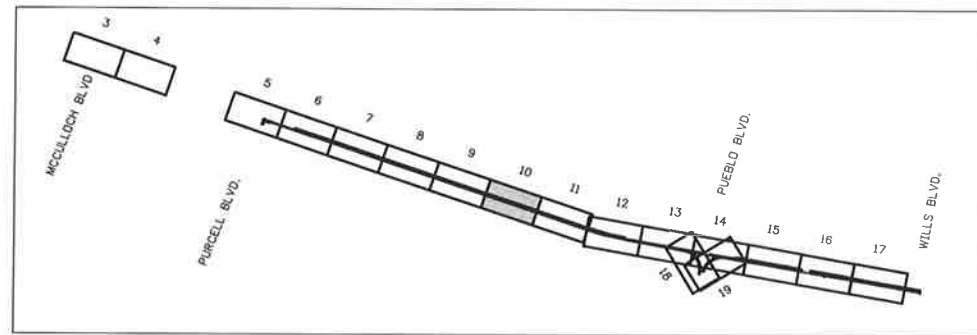
Sheet Number 189

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**LEGEND:**

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- PF- PLASTIC FENCE
- LDA- LIMITS OF DISTURBANCE

**NOTES:**

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION



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 File Name: 19506LAND\_ENVI\_Plan010.dgn  
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Void:

**US 50 WEST  
 PURCELL BLVD TO WILLS BLVD  
 ENVIRONMENTAL PLAN**

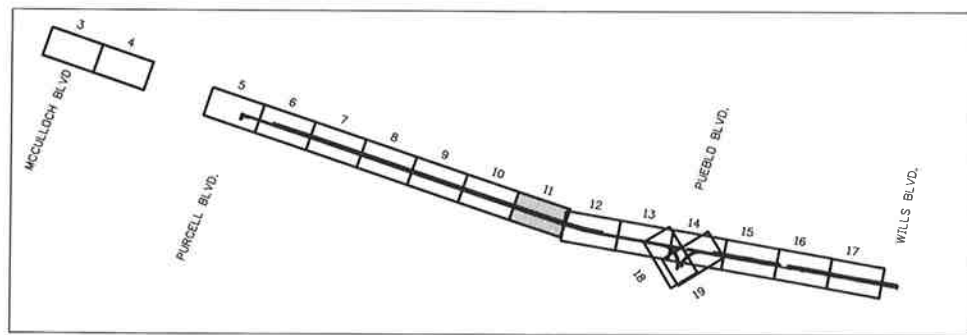
Designer: KAB	Structure Numbers
Detailer: KAB	
Sheet Subset: ENVIRO	Subset Sheets: ENV-10 of 19

<b>Project No./Code</b>
FSA 0503-081
19751
Sheet Number 190

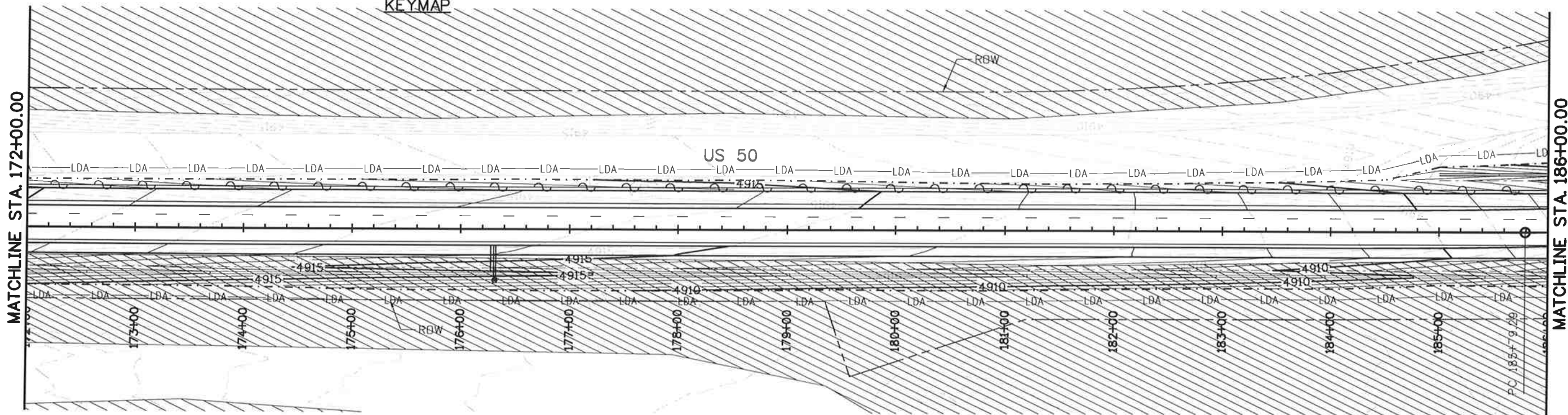




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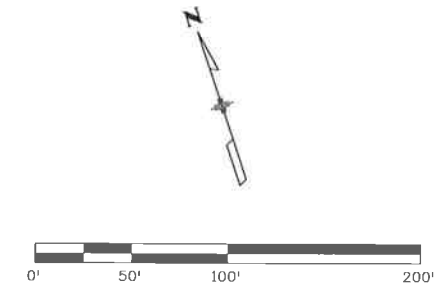
KEYMAP



LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF - PF-
- LDA -

NOTES:  
1. SEE SHEET ENV-1 FOR NOXIOUS WEED TREATMENT INFORMATION



Print Date: 10/28/2014  
 File Name: 19506LAND\_ENVI\_Plan011.dgn  
 Horiz. Scale: 1:100      Vert. Scale: As Noted

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Sheet Revisions		
Date:	Comments	Init.

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Region 2      DTD

As Constructed  
 No Revisions:  
 Revised:  
 Void:

US 50 WEST  
 PURCELL BLVD TO WILLS BLVD  
 ENVIRONMENTAL PLAN

Designer: KAB  
 Detailer: KAB

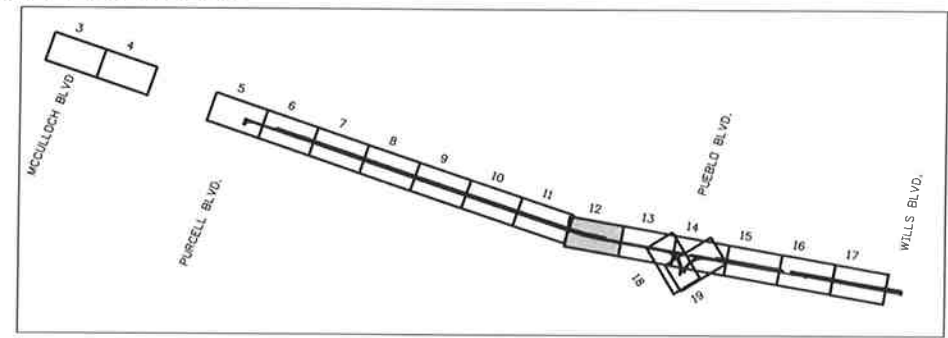
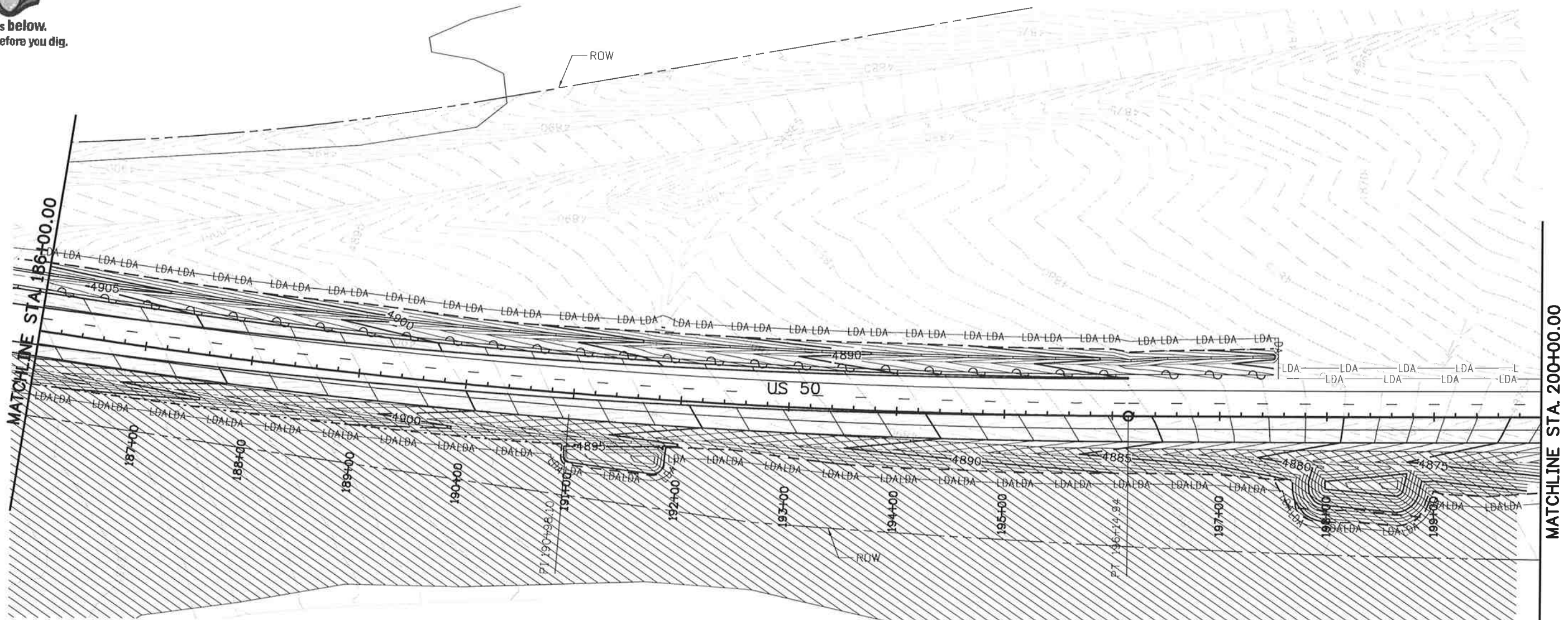
Structure Numbers  
 Sheet Subset: ENVIRO    Subset Sheets: ENV-11 of 19

Project No./Code  
 FSA 0503-081  
 19751  
 Sheet Number 191

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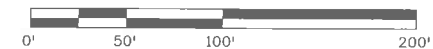
KEYMAP

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELLS (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PLASTIC FENCE
- LDA LIMITS OF DISTURBED AREA

NOTES:

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION



Print Date: 10/28/2014  
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Horiz. Scale: 1:100 Vert. Scale: As Noted

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No Revisions:

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Void:

US 50 WEST  
PURCELL BLVD TO WILLS BLVD  
ENVIRONMENTAL PLAN

Designer:	KAB	Structure	
Detailer:	KAB	Numbers	
Sheet Subset:	ENVIRO	Subset Sheets:	ENV-12 of 19

Project No./Code

FSA 0503-081

19751

Sheet Number 192



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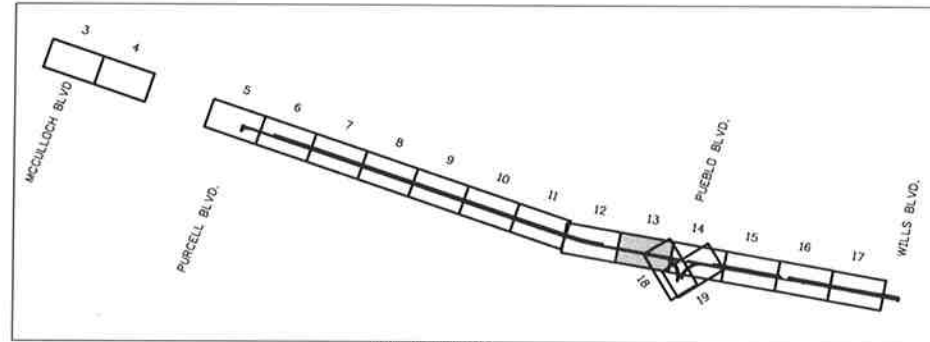
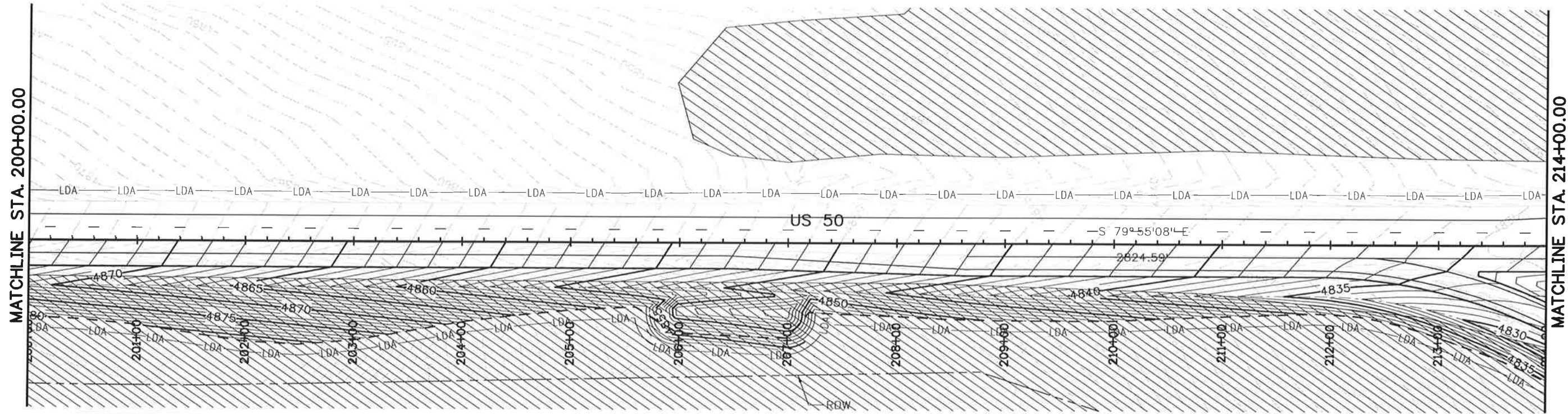
Know what's below.  
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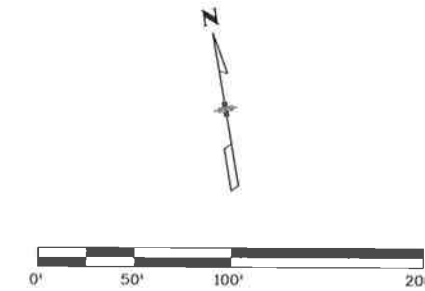
1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- -PF- PLASTIC FENCE
- LDA- -LDA- LIMITS OF DISTURBANCE



KEYMAP



Print Date: 10/28/2014  
 File Name: 19506LAND\_ENVI\_Plan013.dgn  
 Horiz. Scale: 1:100      Vert. Scale: As Noted



Sheet Revisions

Date:	Comments	Init.

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 Region 2      DTD

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US 50 WEST  
 PURCELL BLVD TO WILLS BLVD  
 ENVIRONMENTAL PLAN

Designer: KAB      Structure Numbers  
 Detailer: KAB  
 Sheet Subset: ENVIRD      Subset Sheets: ENV-13 of 19

Project No./Code

FSA 0503-081  
 19751  
 Sheet Number 193

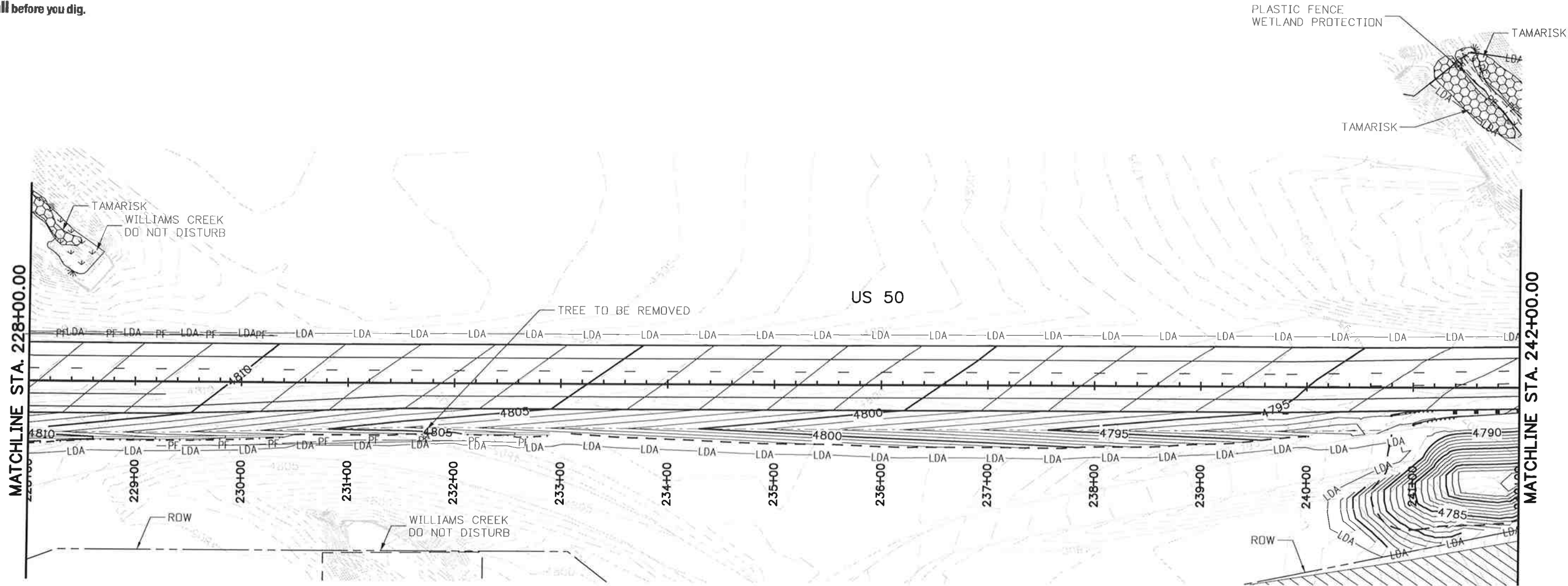
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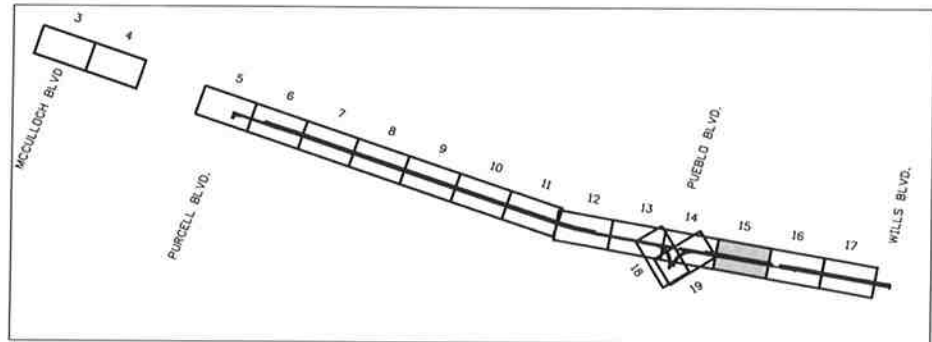


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MATCHLINE STA. 228+00.00

MATCHLINE STA. 242+00.00



KEYMAP

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELL (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- PF- PLASTIC FENCE
- LDA- LIMITS OF DISTURBANCE

NOTES:

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION.
2. HERBICIDES APPROVED FOR USE IN WATER CAN BE USED WITHIN 25 FEET OF WETLANDS OR OTHER WATER FEATURES.



Print Date: 10/28/2014  
 File Name: 19506LAND\_ENVI\_Plan015.dgn  
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US 50 WEST  
 PURCELL BLVD TO WILLS BLVD  
 ENVIRONMENTAL PLAN

Designer:	KAB	Structure	
Detailer:	KAB	Numbers	
Sheet Subset:	ENVIRO	Subset Sheets:	ENV-15 of 19

Project No./Code

FSA 0503-081

19751

Sheet Number 195



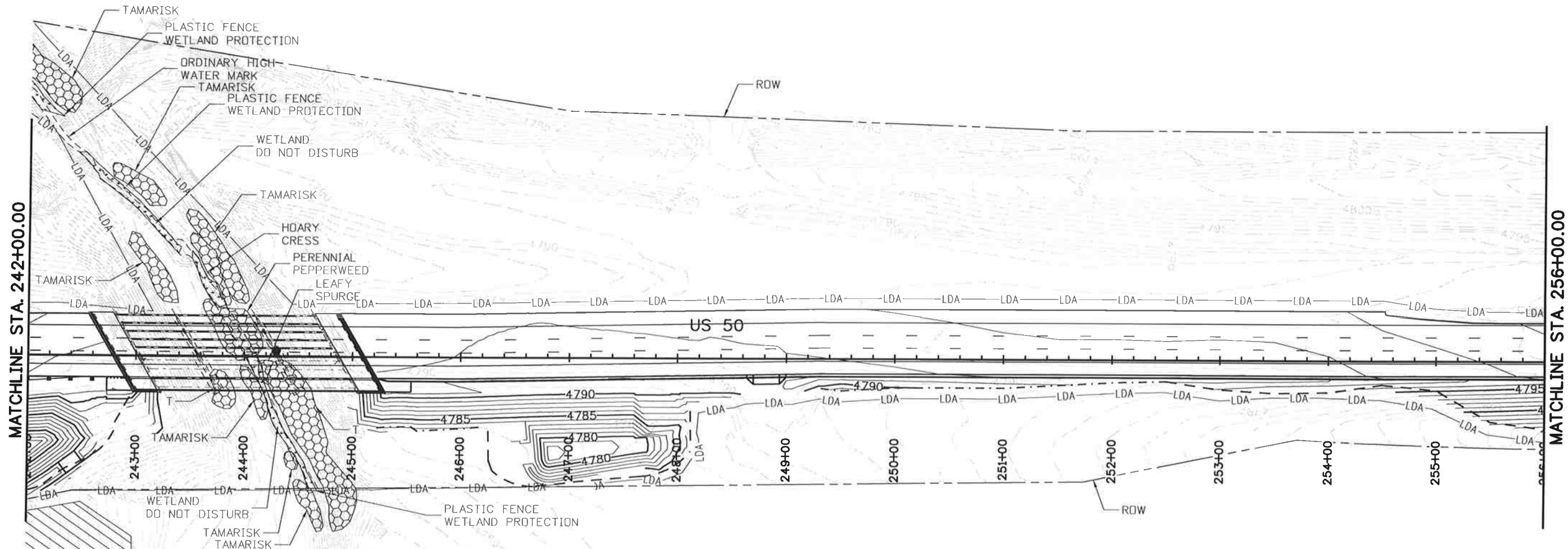
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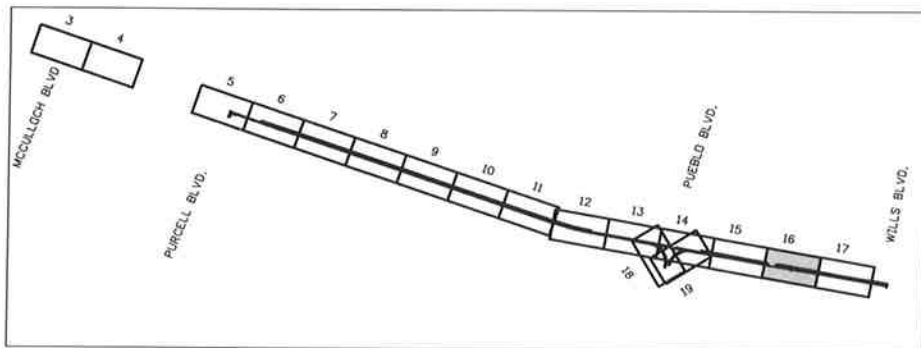


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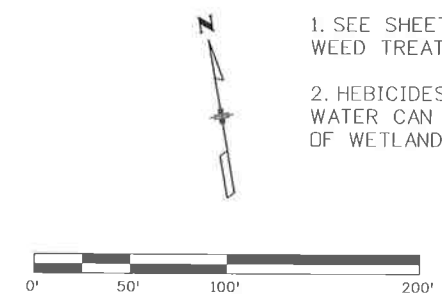


KEYMAP

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- GROUNDWATER WELLS (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- ORDINARY HIGH WATER MARK
- PLASTIC FENCE
- LIMITS OF DISTURBANCE

- NOTES:
- SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION.
  - HEBICIDES APPROVED FOR USE IN WATER CAN BE USED WITHIN 25 FEET OF WETLANDS OR OTHER WATER FEATURES.



Print Date: 10/28/2014  
 File Name: 19506LAND\_ENVI\_Plan016.dgn  
 Horiz. Scale: 1:100 Vert. Scale: As Noted

**FELSHURG HOLT & ULLEVIG**  
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 Centennial, CO 80111  
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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  
 ENVIRONMENTAL PLAN**

Designer: KAB  
 Detailer: KAB  
 Sheet Subset: ENVIRO

Structure Numbers  
 Subset Sheets: ENV-16 of 19

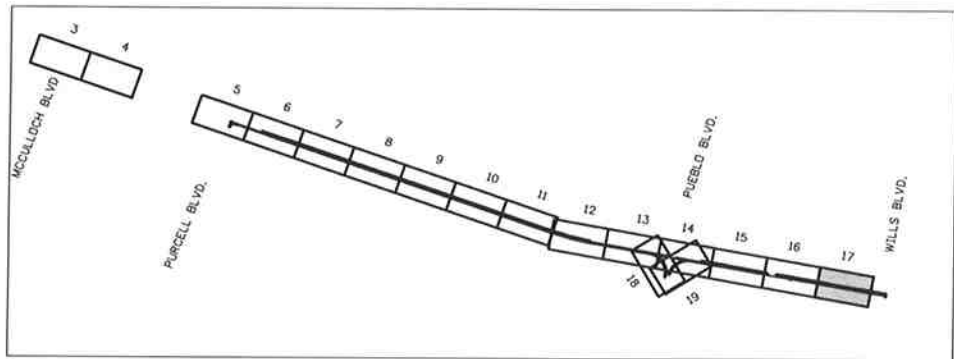
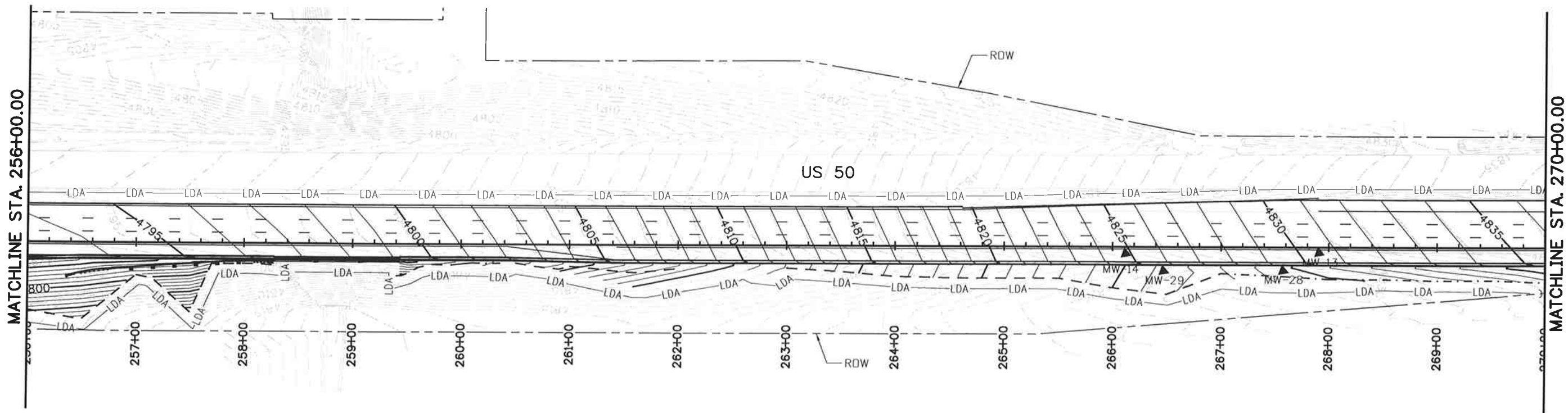
**Project No./Code**  
 FSA 0503-081  
 19751  
 Sheet Number 196

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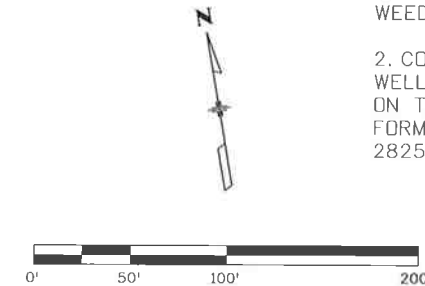
Know what's below.  
Call before you dig.



KEYMAP

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELLS (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- -PF- PLASTIC FENCE
- LDA- LIMITS OF DISTURBANCE



NOTES:

1. SEE SHEET ENV-2 FOR NOXIOUS WEED TREATMENT INFORMATION
2. CONTRACTOR TO FIELD VERIFY WELL LOCATIONS. ALL WELLS ON THIS SHEET ASSOCIATED WITH: FORMER 50 WEST AMOCO 2825 HIGHWAY 50 WEST

Print Date: 10/28/2014  
 File Name: I9506LAND\_ENVI\_Plan017.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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**Region 2 DTD**

**As Constructed**

No Revisions:  
 Revised:  
 Void:

**US 50 WEST  
 PURCELL BLVD TO WILLS BLVD  
 ENVIRONMENTAL PLAN**

Designer: KAB Structure  
 Detailer: KAB Numbers  
 Sheet Subset: ENVIRO Subset Sheets: ENV-17 of 19

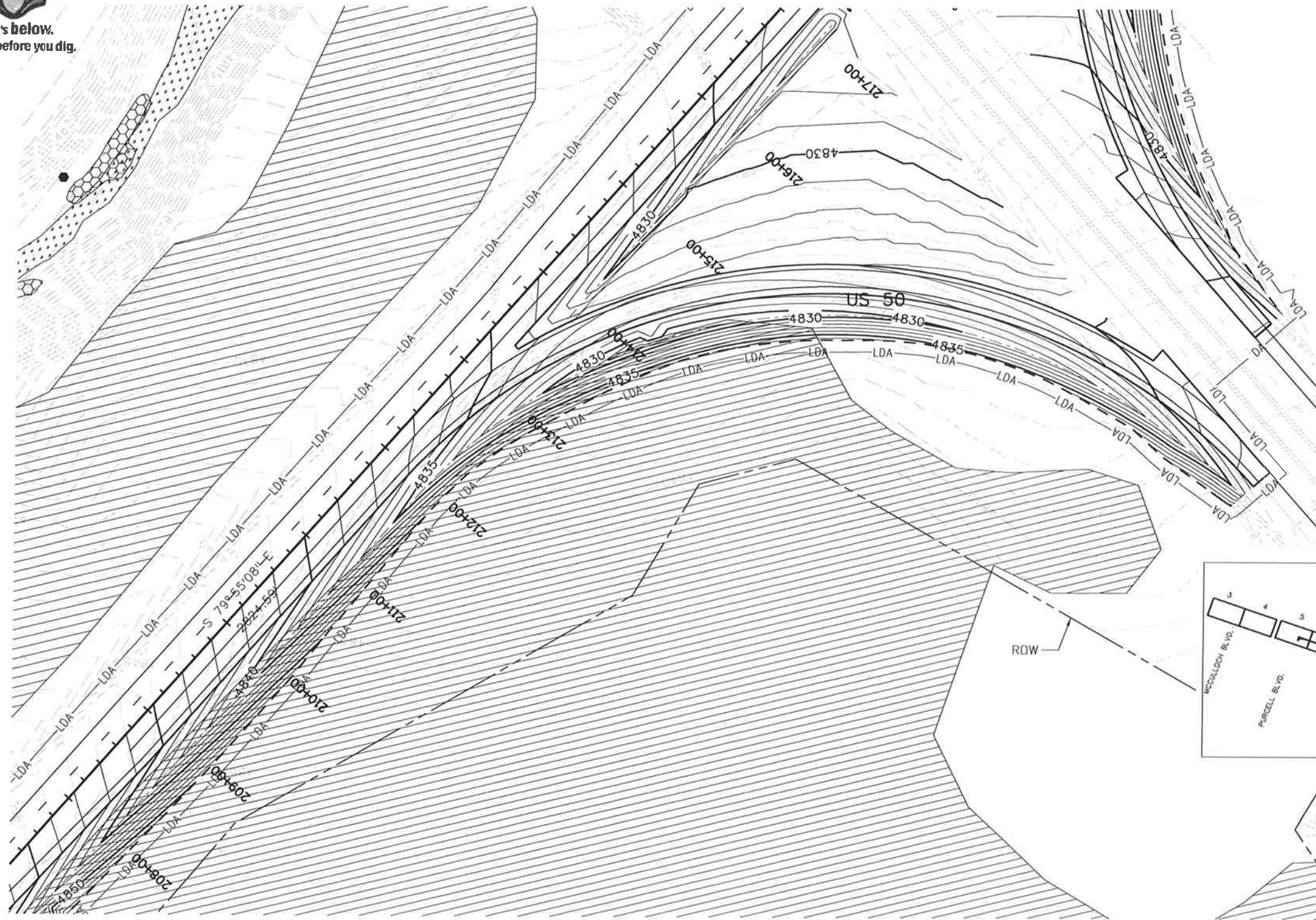
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FSA 0503-081  
 19751  
 Sheet Number 197

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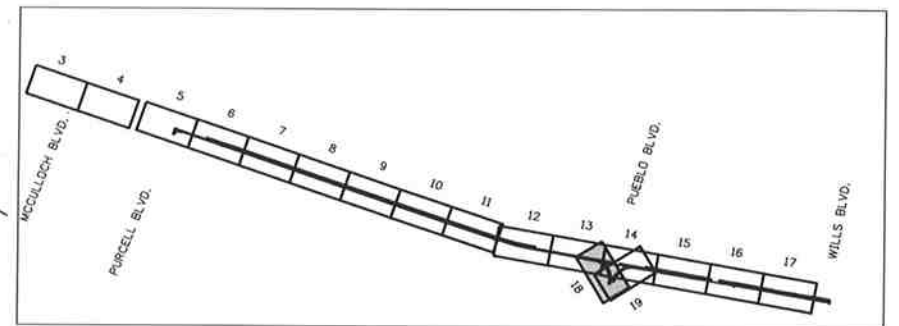


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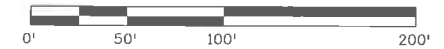
1. SEE SHEET ENV-2 FOR NOXIOUS WEED NAME AND TREATMENT INFORMATION

LEGEND:

- WETLANDS
- NOXIOUS WEEDS
- PRAIRIE DOGS
- MONITORING WELLS (LOCATION NOT FIELD VERIFIED)
- TREES
- REMOVED TREES
- BIRD NESTS
- PF- -PF- PLASTIC FENCE
- LDA- -LDA- LIMITS OF DISTURBANCE



KEYMAP



Print Date: 10/7/2014

File Name: 19506LAND\_ENVI\_Plan018.dgn

Horiz. Scale: 1:100 Vert. Scale: As Noted



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Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation



Region 2

902 Erie Avenue  
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DTD

As Constructed

No Revisions:

Revised:

Void:

US 50 WEST  
PURCELL BLVD TO WILLS BLVD  
ENVIRONMENTAL PLAN

Designer:	KAB	Structure	
Detailer:	KAB	Numbers	
Sheet Subset:		Subset Sheets:	ENV-18 of 19

Project No./Code

FSA 0503-081

19751

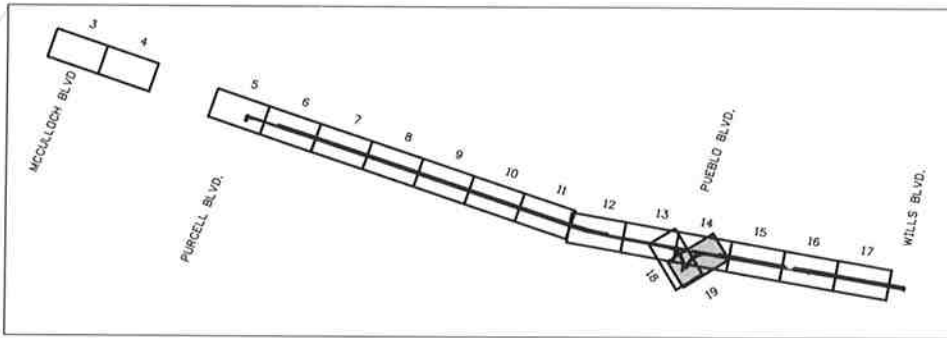
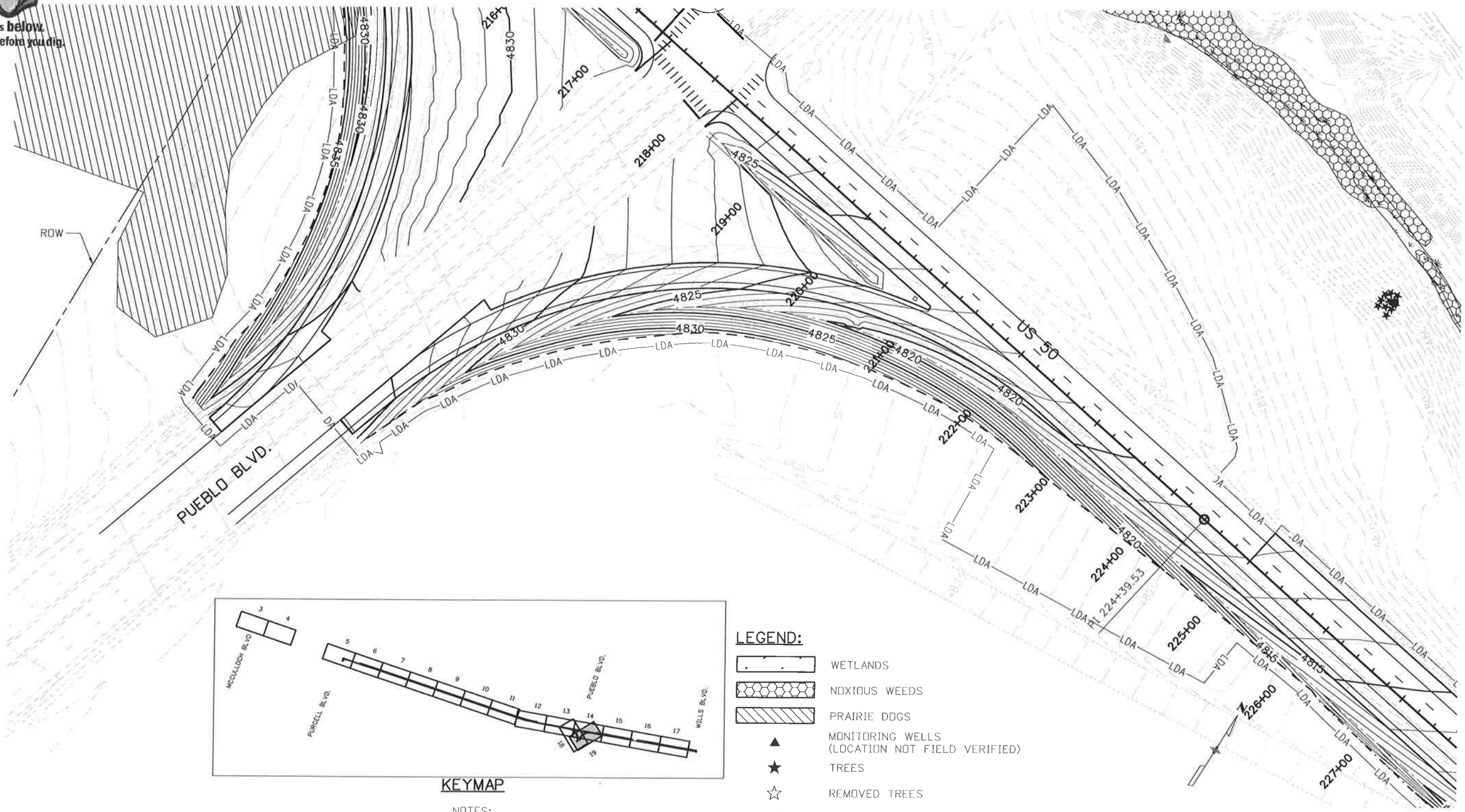
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Know what's below.  
Call before you dig.



**KEYMAP**

NOTES:  
1. SEE SHEET ENV-2 FOR NOXIOUS WEED NAME AND TREATMENT INFORMATION

- LEGEND:**
- WETLANDS
  - NOXIOUS WEEDS
  - PRAIRIE DOGS
  - MONITORING WELLS (LOCATION NOT FIELD VERIFIED)
  - TREES
  - REMOVED TREES
  - BIRD NESTS
  - PLASTIC FENCE
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Print Date: 10/6/2014  
 File Name: 19506LAND\_ENVI\_Plan019.dgn  
 Horiz. Scale: 1:100      Vert. Scale: As Noted

Sheet Revisions		
Date:	Comments	Init.

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**Region 2**      **DTD**

**As Constructed**

No Revisions:  
 Revised:  
 Void:

**US 50 WEST  
 PURCELL BLVD TO WILLS BLVD  
 ENVIRONMENTAL PLAN**

Designer: KAB    Structure  
 Detailer: KAB    Numbers  
 Sheet Subset: ENVIRO    Subset Sheets: ENV-19 of 19

**Project No./Code**

FSA 0503-081  
 19751  
 Sheet Number 199

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**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 File Name: 19056DES_SWMP_Notes.dgn Horiz. Scale: 1:1      Vert. Scale: As Noted	<b>Sheet Revisions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Date:</th> <th style="width: 60%;">Comments</th> <th style="width: 30%;">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>	Date:	Comments	Init.										<b>Colorado Department of Transportation</b>  902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509    FAX: 719-546-5702 <b>Region 2</b>	<b>As Constructed</b> No Revisions: Revised: Void:	<b>PURCELL US 50 WEST BLVD. TO WILLS BLVD. SWMP NOTES</b> Designer: LK    Structure Detailer: LK    Numbers Subset: SN    Subsel Sheets: SN1 of 5	<b>Project No./Code</b> FSA 0503-081 19751 Sheet Number 200
Date:	Comments	Init.															

**J.F. SATO AND ASSOCIATES**  
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