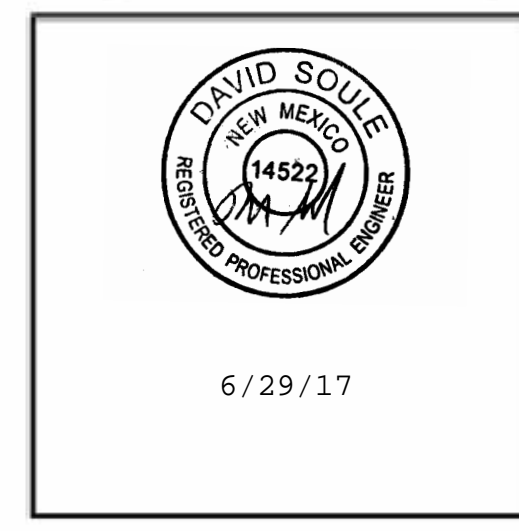




Inspections Plus, Inc.

Engineer Stamp

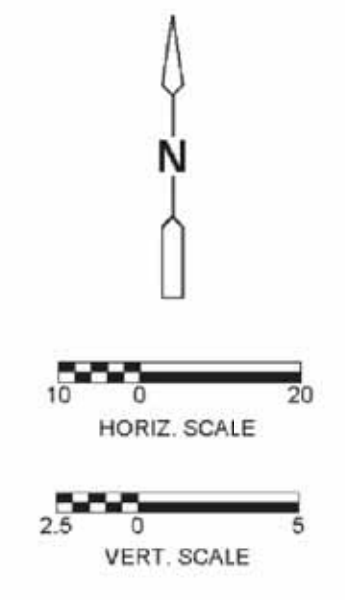
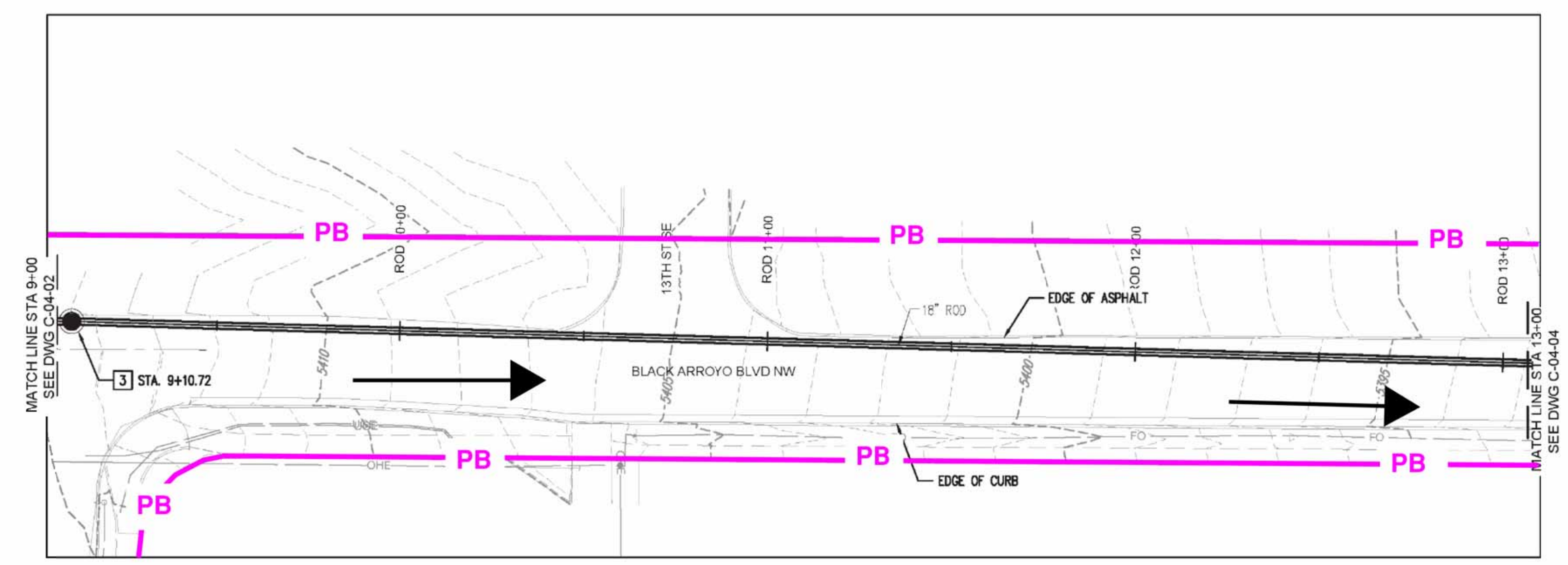


Note:  
PB equals Curb and Gutter

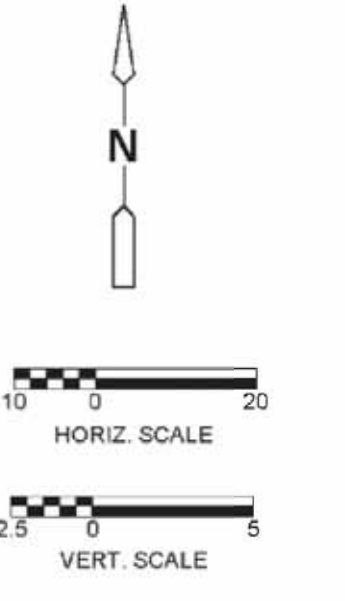
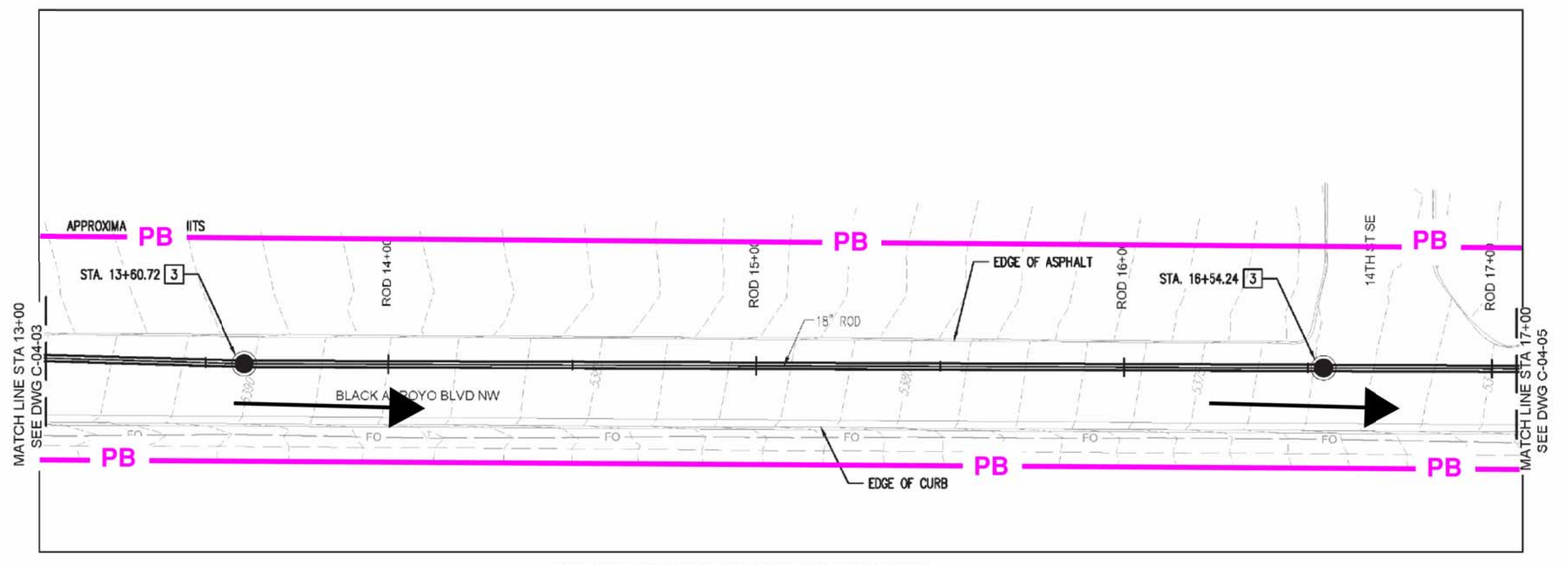
Curb and Gutter to be used as BMP.

Trench to be closed at the end of each day.

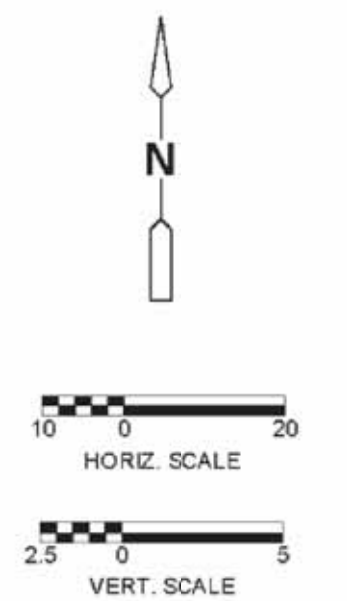
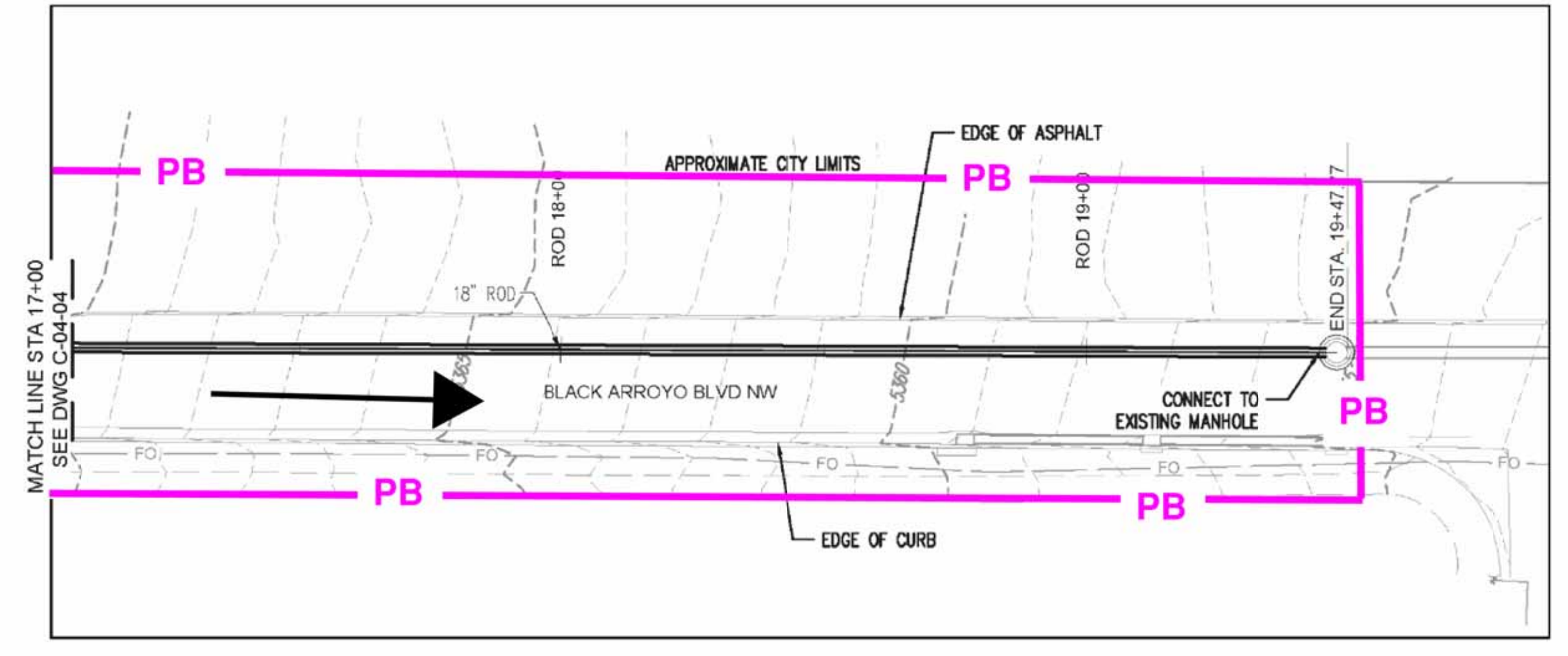
Any spoils left above ground over night will need a wattle placed on the downstream side for sediment control.



RESERVOIR 3 OVERFLOW DRAIN PLAN AND PROFILE  
STA 9+00 TO STA 13+00 - BLACK ARROYO BLVD. NW



RESERVOIR 3 OVERFLOW DRAIN PLAN AND PROFILE  
STA. 13+00 TO STA. 17+00 - BLACK ARROYO BLVD. NW



RESERVOIR 3 OVERFLOW DRAIN PLAN AND PROFILE  
STA. 17+00 TO STA. 19+41 - BLACK ARROYO BLVD. NW

**Legend**

**Erosion Sediment Control Plan**

- PB** Project Perimeter & Disturbed Area
- SF** Silt Fence
- Pre Flow & Post Flow
- ⊗ Outfall
- Existing inlet with protection
- MS** Mulch Socks

**To Be Determined**

- Trash Receptacle
- Chemical Toilet
- Staging Area
- Posting Sign

## Corrales Well 2 Collector Pipeline

Receiving Waters: Rio Grande

Critical Habitat:

Impairments: E. coli, Dissolved Oxygen, PCBs in Fish Tissue, Water Temperature

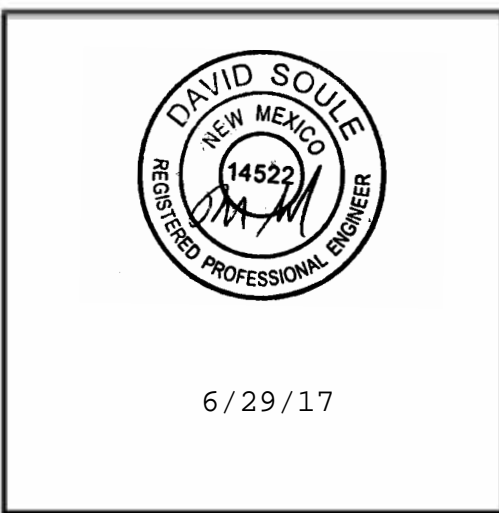
Grade: Before and After 2% to 3%





Inspections Plus, Inc.

Engineer Stamp

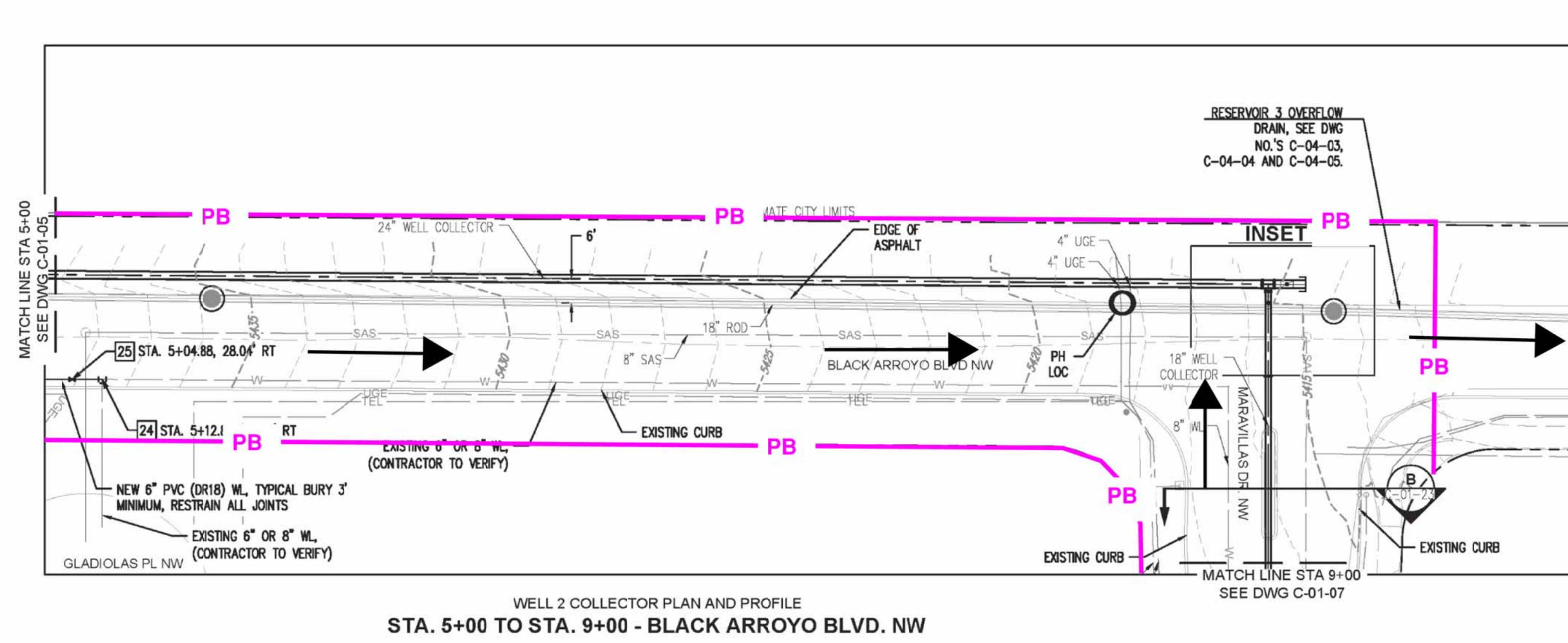
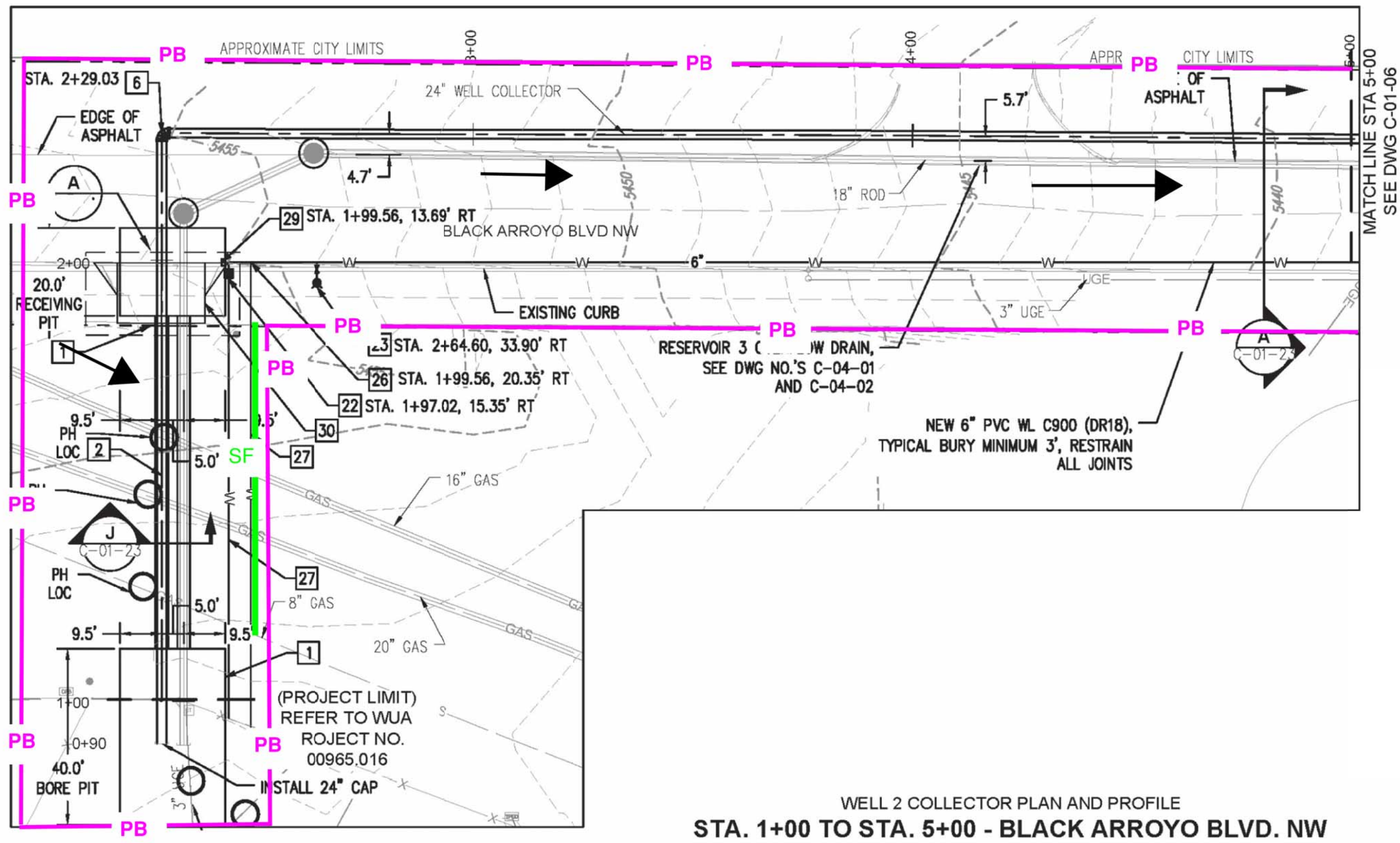


Note:  
PB equals Curb and Gutter

Curb and Gutter to be used as BMP.

Trench to be closed at the end of each day.

Any spoils left above ground over night will need a wattle placed on the downstream side for sediment control.



**Legend**

**Erosion Sediment Control Plan**

- PB** Project Perimeter & Disturbed Area
- SF** Silt Fence
- Pre Flow & Post Flow
- ⊗ Outfall
- ( ) Existing inlet with protection
- MS** Mulch Socks

**To Be Determined**

- Trash Receptacle
- Chemical Toilet
- Staging Area
- Posting Sign

**Corrales Well 2 Collector Pipeline**

Receiving Waters: Rio Grande

Critical Habitat:

Impairments: E. coli, Dissolved Oxygen, PCBs in Fish Tissue, Water Temperature

Grade: Before and After 2% to 3%



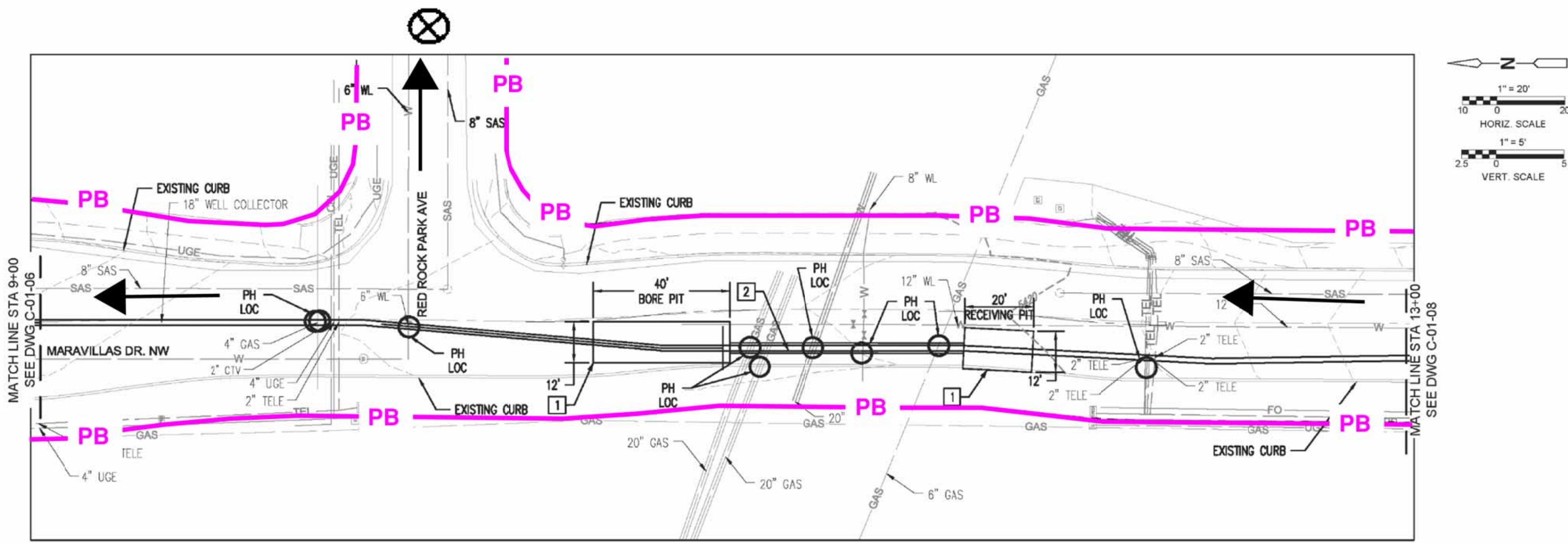


Inspections Plus, Inc.

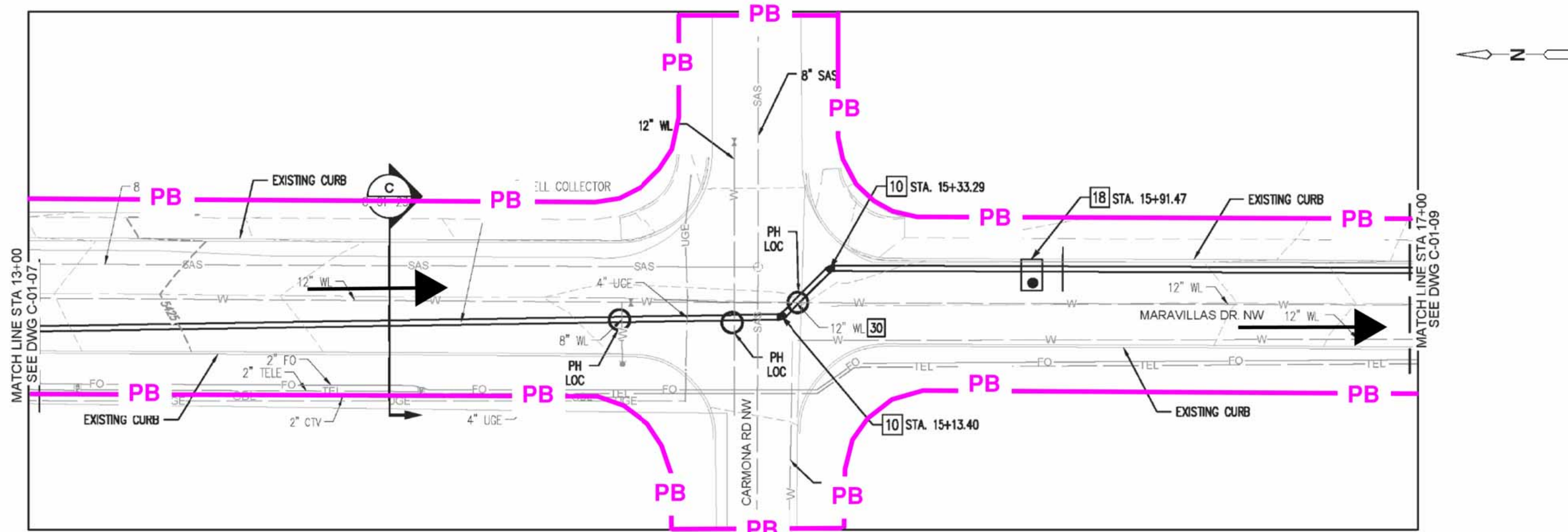
Engineer Stamp



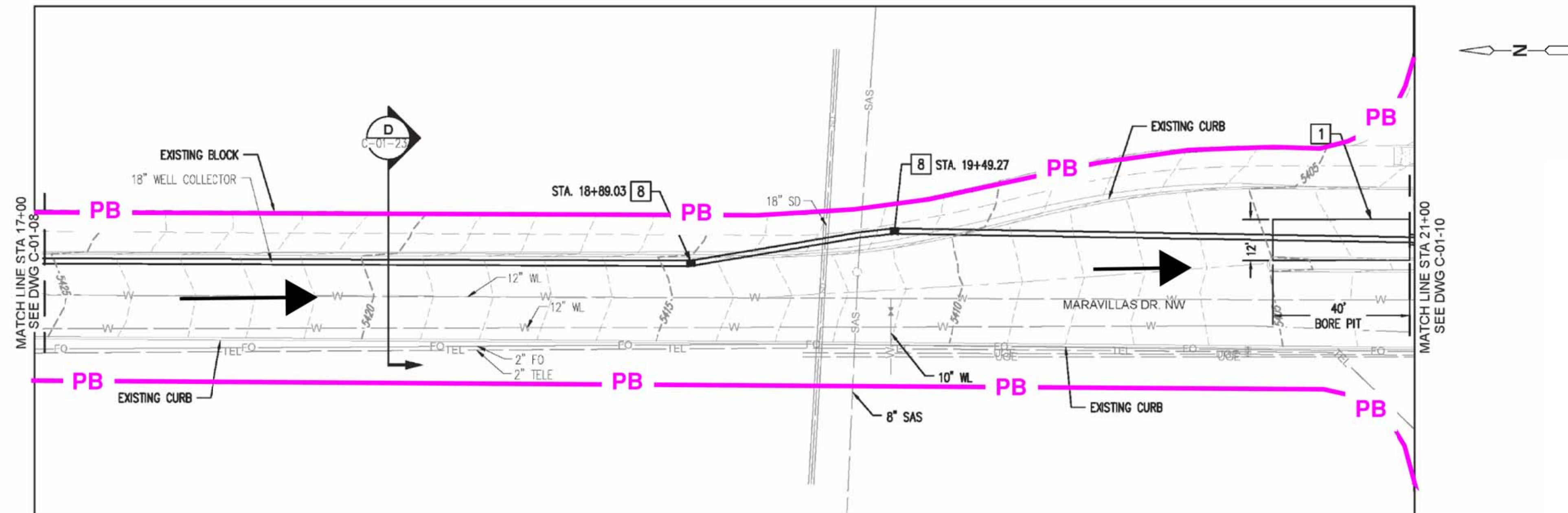
6/29/17



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 9+00 TO STA. 13+00 - MARAVILLAS DR. NW



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 13+00 TO STA. 17+00 - MARAVILLAS DR. NW



WELL COLLECTOR PLAN AND PROFILE  
STA. 17+00 TO STA. 21+00 - MARAVILLAS DR. NW

Note:  
PB equals Curb and Gutter

Curb and Gutter to be used as BMP.

Trench to be closed at the end of each day.

Any spoils left above ground over night will need a wattle placed on the downstream side for sediment control.

### Legend

#### Erosion Sediment Control Plan

- PB** Project Perimeter & Disturbed Area
- SF** Silt Fence
- Pre Flow & Post Flow
- ⊗ Outfall
- ( ) Existing inlet with protection
- MS** Mulch Socks

#### To Be Determined

- Trash Receptacle
- Chemical Toilet
- Staging Area
- Posting Sign

## Corrales Well 2 Collector Pipeline

Receiving Waters: Rio Grande

Critical Habitat:

Impairments: E. coli, Dissolved Oxygen, PCBs in Fish Tissue, Water Temperature

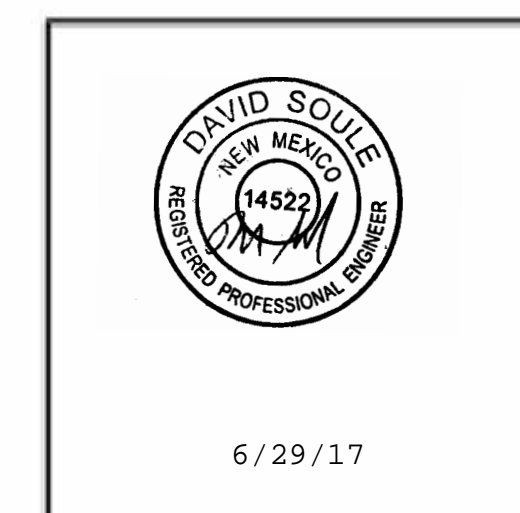
Grade: Before and After 2% to 3%





Inspections Plus, Inc.

Engineer Stamp

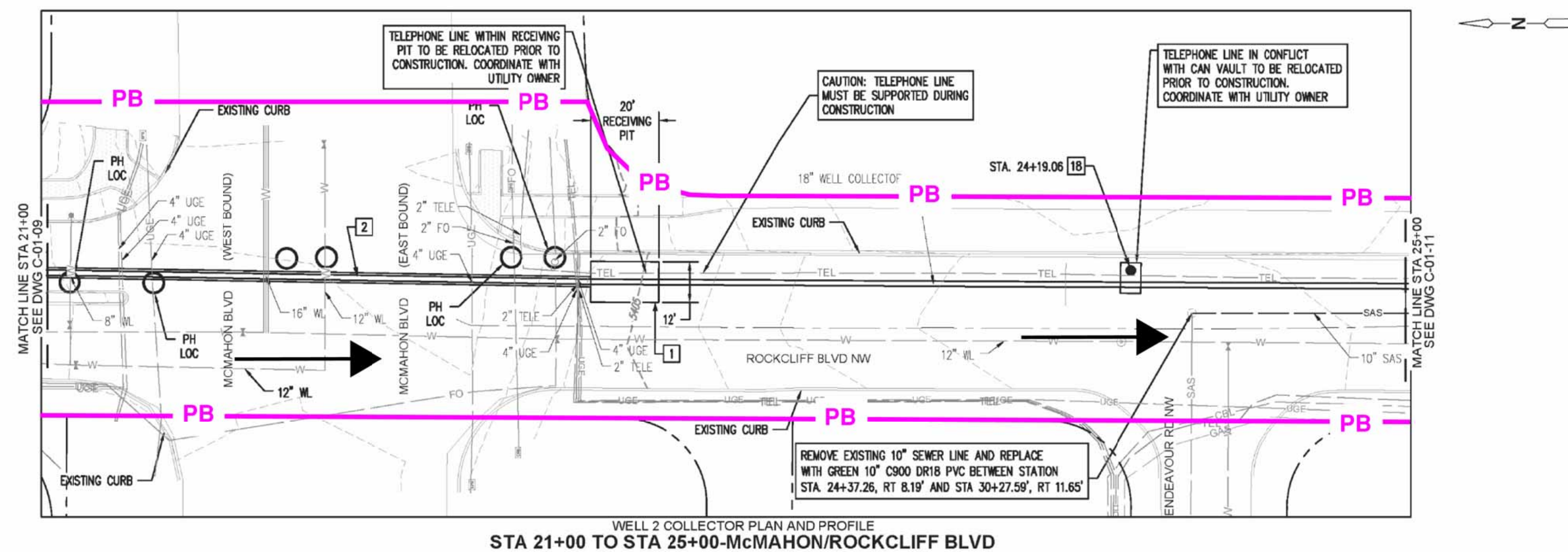


Note:  
PB equals Curb and Gutter

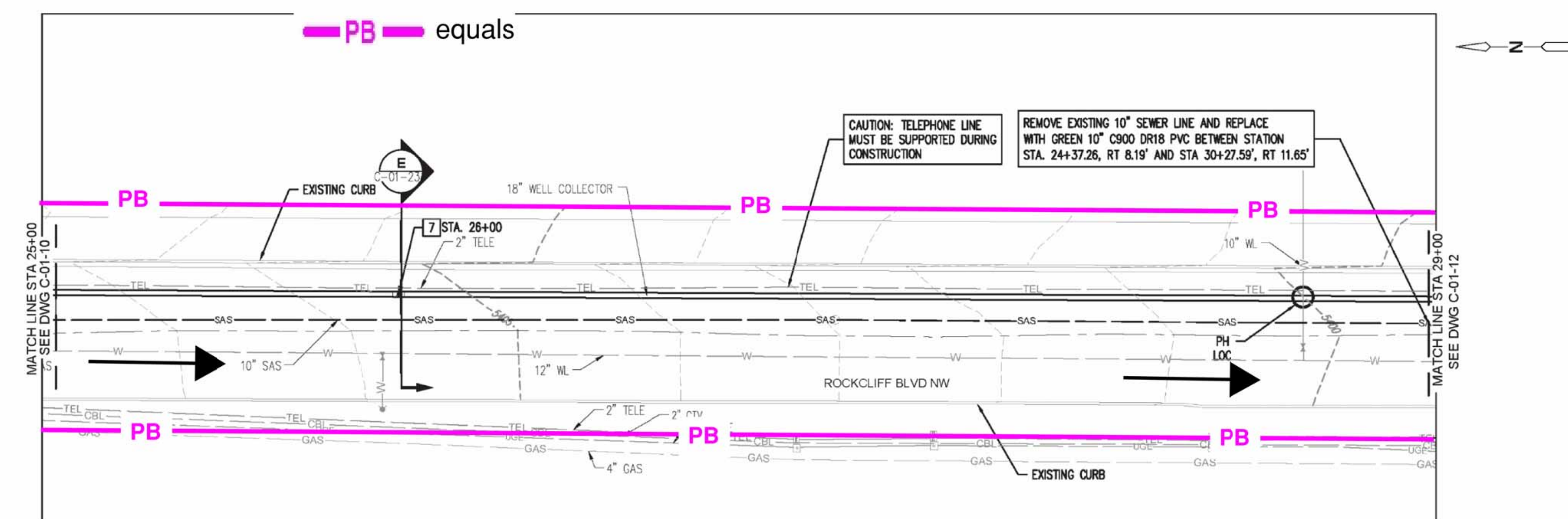
Curb and Gutter to be used as BMP.

Trench to be closed at the end of  
each day.

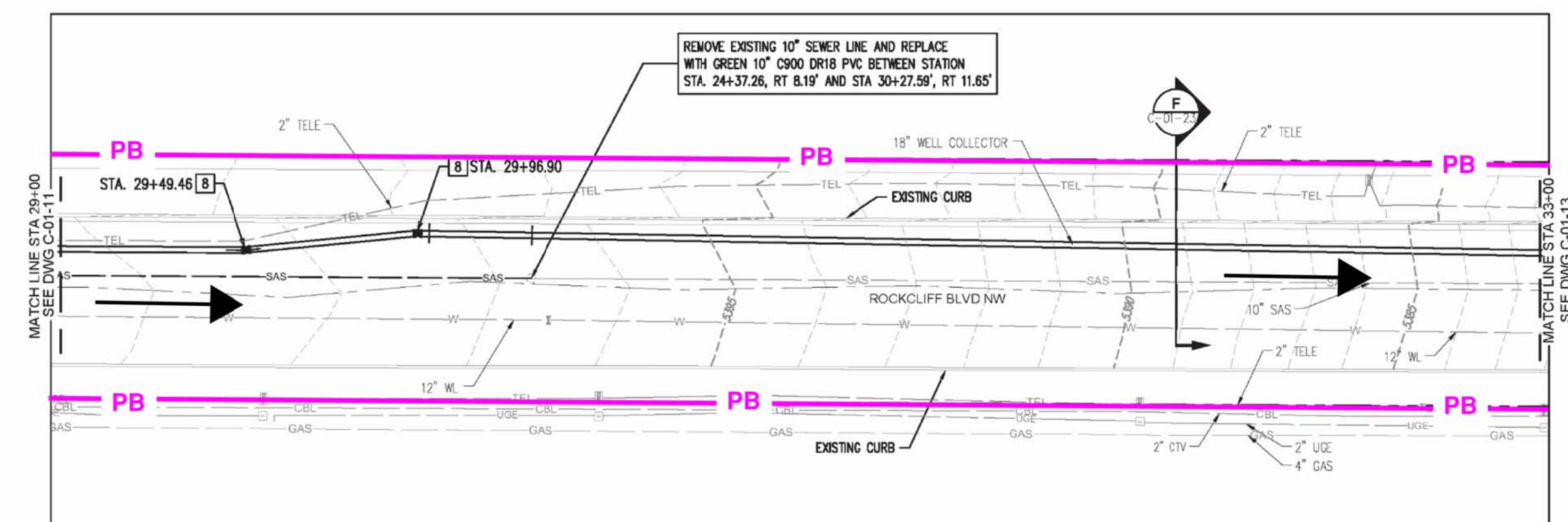
Any spoils left above ground over  
night will need a wattle placed on the  
downstream side for sediment  
control.



WELL 2 COLLECTOR PLAN AND PROFILE  
STA 21+00 TO STA 25+00-McMAHON/ROCKCLIFF BLVD



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 25+00 TO STA. 29+00 - ROCKCLIFF BLVD. NW



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 29+00 TO STA. 33+00 - ROCKCLIFF BLVD. NW

### Legend

#### Erosion Sediment Control Plan

- PB** Project Perimeter & Disturbed Area
- SF** Silt Fence
- Pre Flow & Post Flow
- ⊗ Outfall
- ( ) Existing inlet with protection
- MS** Mulch Socks

#### To Be Determined

- Trash Receptacle
- Chemical Toilet
- Staging Area
- Posting Sign

## Corrales Well 2 Collector Pipeline

Receiving Waters: Rio Grande

Critical Habitat:

Impairments: E. coli, Dissolved Oxygen, PCBs  
in Fish Tissue, Water Temperature

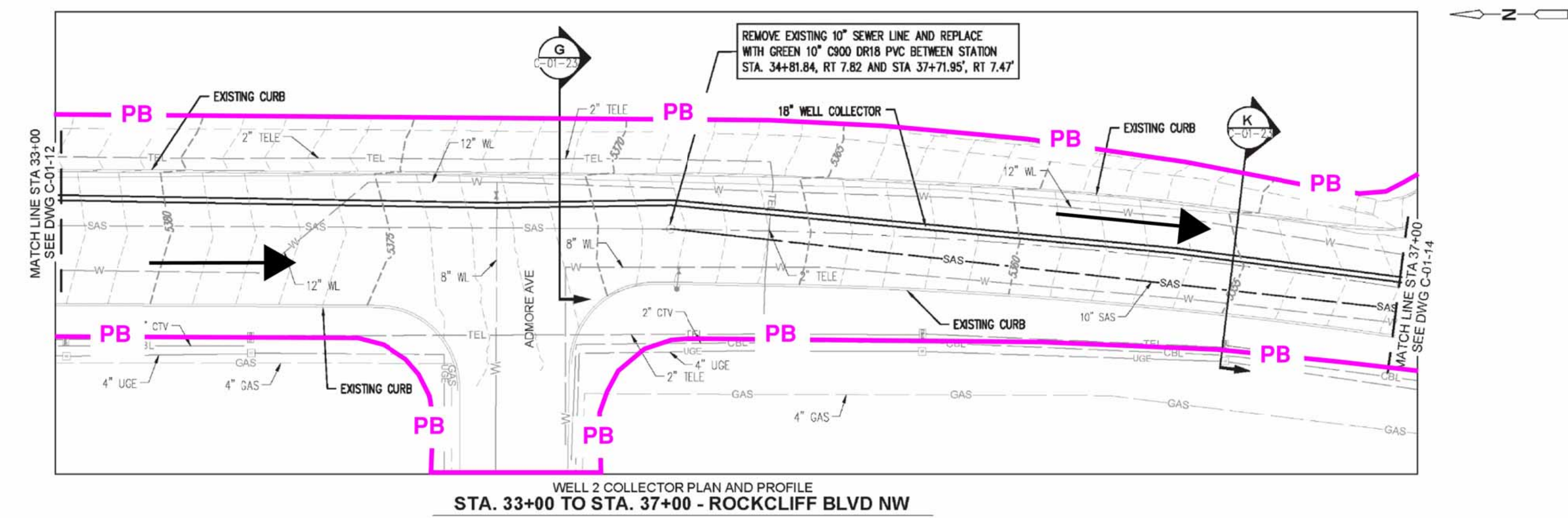
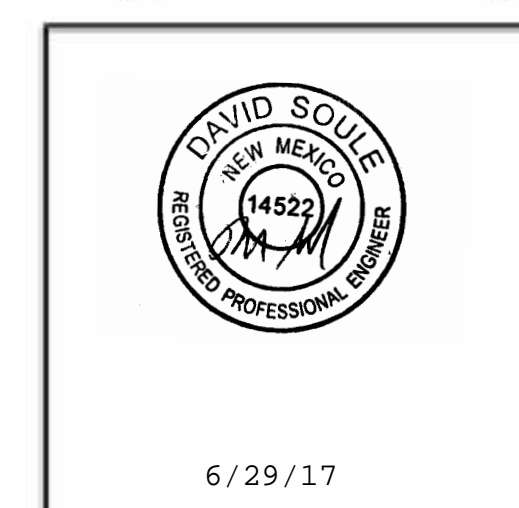
Grade: Before and After 2% to 3%



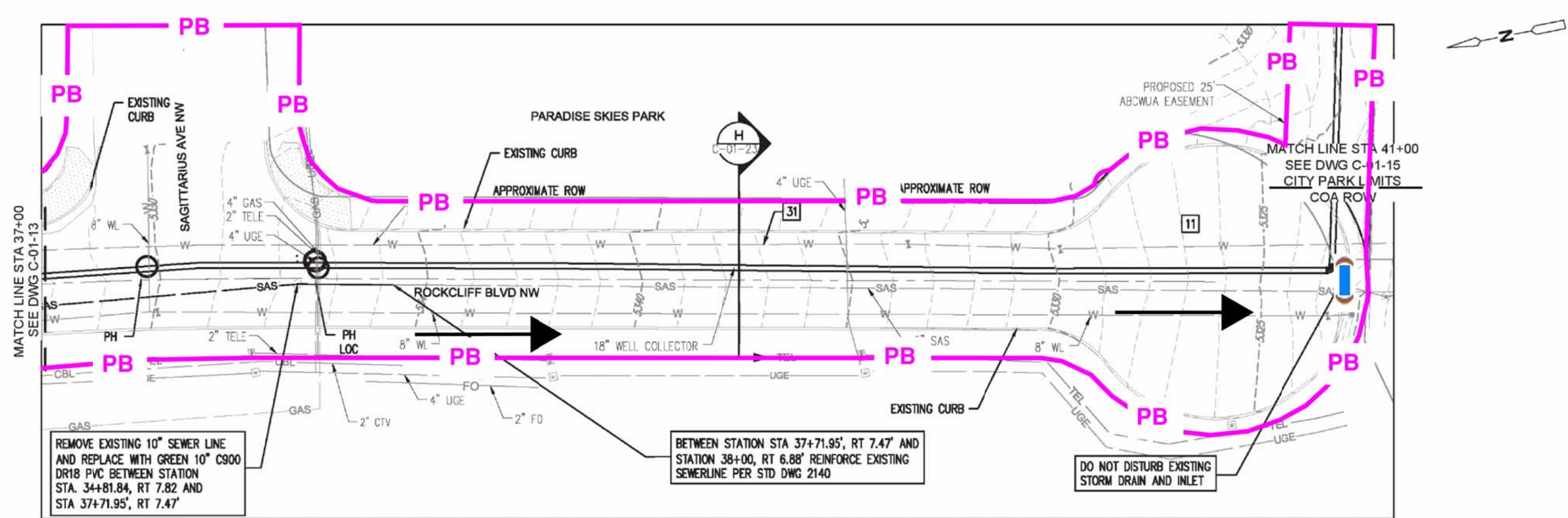


Inspections Plus, Inc.

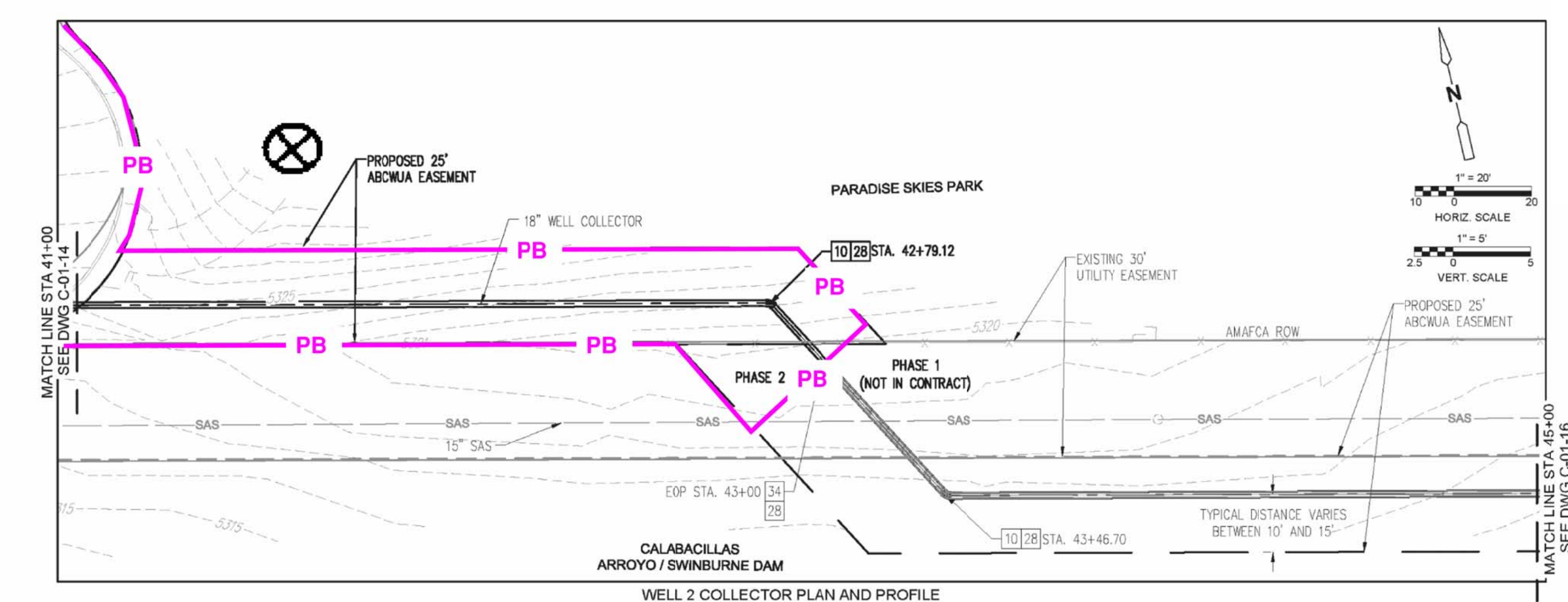
Engineer Stamp



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 33+00 TO STA. 37+00 - ROCKCLIFF BLVD NW



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 37+00 TO STA. 41+00 - CITY PARK/ROCKCLIFF BLVD



WELL 2 COLLECTOR PLAN AND PROFILE  
STA. 41+00 TO STA. 45+00 - CITY PARK/CALABACILLAS ARROYO

Note:  
PB equals Curb and Gutter

Curb and Gutter to be used as BMP.

Trench to be closed at the end of each day.

Any spoils left above ground over night will need a wattle placed on the downstream side for sediment control.

**Legend**

**Erosion Sediment Control Plan**

- PB** Project Perimeter & Disturbed Area
- SF** Silt Fence
- ➔ Pre Flow & Post Flow
- ⊗ Outfall
- Ⓛ Existing inlet with protection
- MS** Mulch Socks

**To Be Determined**

- Trash Receptacle
- Chemical Toilet
- Staging Area
- Ⓢ Posting Sign

## Corrales Well 2 Collector Pipeline

Receiving Waters: Rio Grande

Critical Habitat:

Impairments: E. coli, Dissolved Oxygen, PCBs in Fish Tissue, Water Temperature

Grade: Before and After 2% to 3%



Curb Storm Inlet Protection with Wattles



## Inlet Filter Installation Instructions:



**1. Remove sediment, debris, ice and snow from the inlet grate surface and surrounding area.**

**2. Verify fit by placing filter over inlet grate to ensure that Inlet Filter extends at least one inch beyond the front and both curb ends. The overlap slows water**

**flow and starts filtering sediment and debris before water drops into the inlet.**

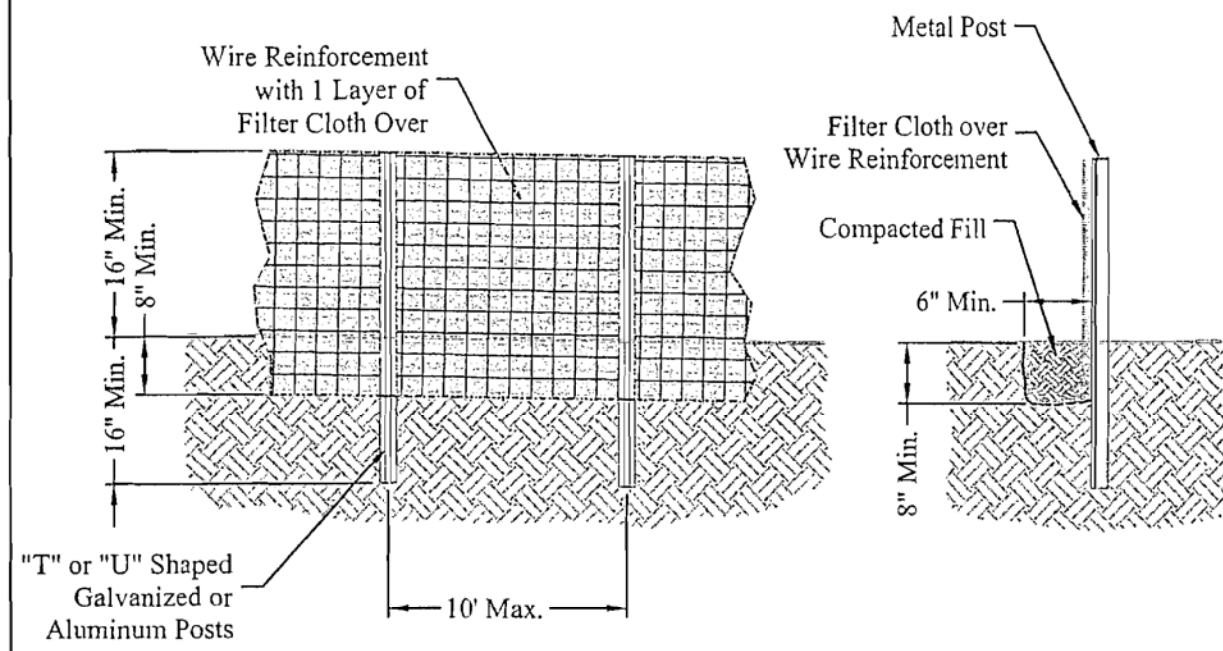


**3. Position the mat. Place Inlet Filter on grate with the net side down, flush to the back edge and extending beyond the grate opening on the front and both sides. The zip ties attach Inlet Filter to the inlet grate cover WITHOUT LIFTING THE GRATE COVER.**

**4. The filter material covering the inlet can be any material that will prevent the sediment and other foreign matter from entering the**

**storm drain system.**

## Reinforced Silt Fence



### Definition

A temporary barrier of Geotextile Class "F" over wire reinforcement used to intercept sediment laden runoff from small drainage areas.

### Purpose

The purpose of silt fence is to reduce runoff where velocity and allow the deposition of transported sediment to occur. Limits imposed by ultraviolet light on the stability of the fabric will dictate the maximum period that the silt fence may be used.

1. Silt fence provides a barrier that can collect and hold debris and soil, preventing the material from entering critical areas, streams, streets, etc.
2. Silt fence can be used where the installation of a dike would destroy sensitive areas; woods, wetlands, etc.

### Conditions where the Practice Applies

Silt Fence is limited to intercepting sheet flow runoff from limited distances according to slope. It provides filtering and velocity dissipation to promote gravity settling of sediment.

### Design Criteria

**Steel posts must be used.** Silt fence should be placed as close to the contour as possible. No section of silt fence should exceed a grade of 5 percent for a distance more than 50 feet. Where ends of the geotextile fabric come together, the ends shall be overlapped, folded, and stapled to prevent sediment bypass. The length of the flow contributing to silt fence shall conform to the following limitations.

Slope (%)	Slope Steepness	Slope Length (Ft.) (Maximum)	Silt Fence Length (Ft.) (Maximum)
0-10	0-10:1	Unlimited	Unlimited
10-20	10:1-5:1	200	1,500
20-23	5:1-3:1	100	1,000
33-50	3:1-2:1	100	500
50 +	2:1 +	50	250

3

Erosion Control Notes

1. All perimeter erosion and sediment control measures shall be installed prior to the execution of any grading work and maintained by the grading contractor for the duration of the grading project. Failure to install and maintain erosion control is a violation of State Law and subject to fine.

2. The appropriate erosion control devise(s) shall be installed prior to the inception of any land disturbing activity and shall be properly maintained for construction activities.

3. All Erosion Control devices and their installation shall meet the standards prescribed in the current guidelines for storm water management for construction activities.

4. Sediment collected behind the sediment filters and silt fences shall be removed when sediment reaches on third the height of the barrier.

5. Sediment filters and silt fences shall be inspected and maintained no less than weekly or within 24 hours of a rainfall event of 0.25 inches or more. Maintenance shall include but not be limited to sediment removal, barrier repair and / or replacement.

6. Construction Site Entrance: The contractor shall construct as a minimum one stabilized construction entrance at the location shown on the plans. If additional ingress and egress to the construction site is required, the contractor shall coordinate with the construction manager the location of these additional stabilized construction entrances. Usage of non-stabilized for ingress and egress will not be permitted. The stabilized entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way and paved driving lanes. This may require periodic top dressing with additional stone as conditions warrant. Repair of the entrances or cleaning of the right-of-way and paved driving lanes that have been soiled shall be performed by the contractor at his own expense satisfactory to the construction manager. When necessary, vehicle wheels and tires shall be cleaned to remove sediment prior to entering onto public right-of-way and public streets. When washing is required, it shall be done on an area stabilized with crushed stone.

7. The contractor shall at his own expense, periodically water the site to control dust.

8. Sedimentation and erosion control measures shall be removed following construction or upon permanent stabilization of the disturbed and graded areas, whichever occurs last.

9. All disturbed areas that are not to be paved shall be re-seeded unless noted otherwise.

10. The contractor shall keep the site clean at all times and control dust resulting from the earthwork operation. The contractor shall not track mud onto the public streets.

## Project:

## Corrales Well 2 Collector Pipeline



Inspections Plus, Inc.

Engineer Stamp

