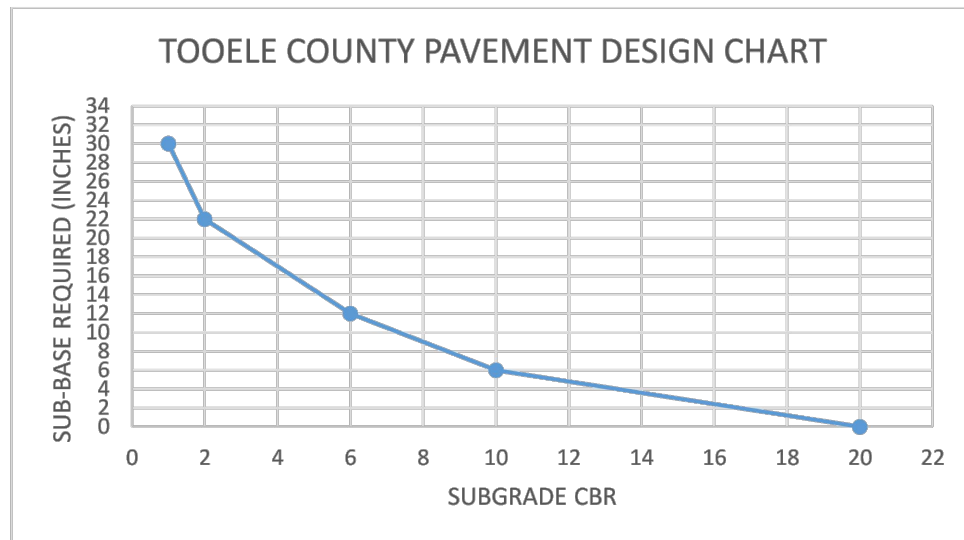


Street Pavement Section Standards

General Roadway Design: In general, roadway design should conform to the latest edition of the AASHTO policy on geometric design of highway and streets. Specific County standards are summarized below and are required unless specifically approved otherwise by Tooele County Engineering Department and Tooele County Commission.

Pavement Design Criteria



1. Sub-base curve based on:
 - a. Road Base CBR = 70.
 - b. Asphalt Marshall Stability = 1800.
 - c. Sub-base CBR (California Bearing Ratio) = 30.
2. Minimum Pavement Design:

<u>Street</u>	<u>Sub-base</u>	<u>Road Base</u>	<u>Initial Asphalt</u>	<u>Future Overlays</u>
Local Street	7"	6"	3"	-
Minor Collector	Per chart	6"	3"	2"
Major Collector	Per chart	6"	3"	2 ½"
Minor Arterial	Per chart	6"	3"	3 ½"
Arterial			(BY DESIGN)	

3. Road base shall not be saturated by groundwater or ponding. This may require that the road base be above the natural ground surface.
4. One CBR analysis (tested under 96 hour saturated conditions) of the road sub grade is required for every 1,000 linear feet of road. More shall be required if sub grade conditions vary appreciably. After the sub grade is cut, the County may require additional CBRs due to material changes.
5. Sub-base materials shall at a minimum conform to AASHTO designation A-1-a and extend 3 feet beyond edge of pavement or 1 foot back of top back of curb.

PROJECT # DATE
T2127A 7/13/21

1 OF 11

FILE:

PAVEMENT SECTION STANDARDS TOOELE COUNTY ENGINEERING DEPT

Rachelle Custer
APPROVAL

7/15/2021
DATE



169 N. Main Street, Unit 1
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6. Additional sub-base material shall be place on all saturated unstable sub grades that must be stabilized.
7. Field conditions and/or county road construction and/or operation may dictate a higher sub-base thickness.
8. At the discretion of the County Engineering Department, the sub-base thickness determined through adherence to Minimum Pavement Design in this Section may be substituted with a sub-base thickness provided by a Registered Geotechnical Engineer licensed within the State of Utah.

PROJECT # DATE
T2127A 7/13/21

2 OF 11

FILE:

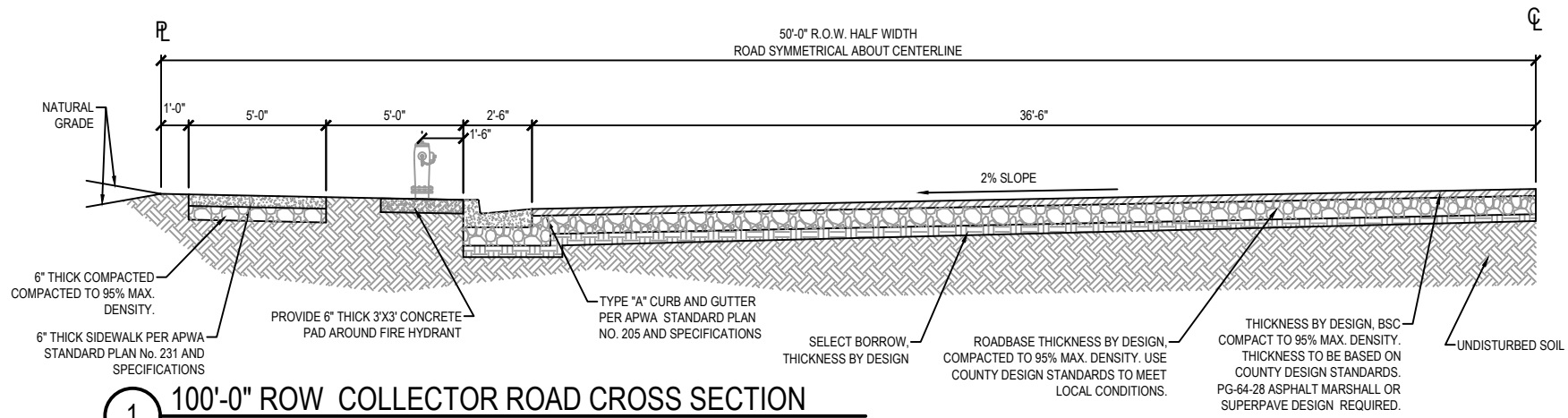
**PAVEMENT SECTION STANDARDS
TOOELE COUNTY ENGINEERING DEPT**

Rachelle Custer 7/15/2021
APPROVAL DATE

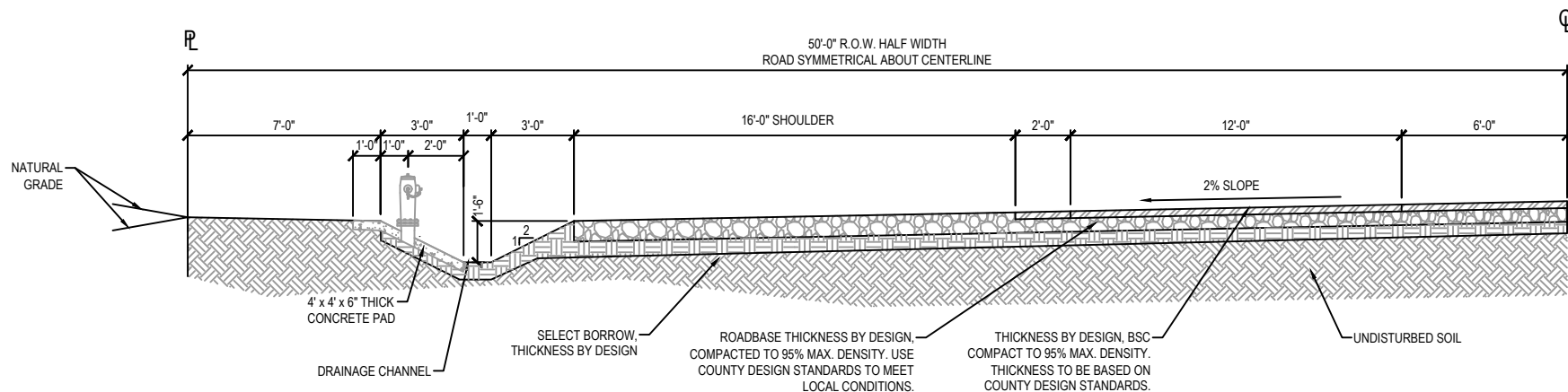


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SCALE: NONE



SCALE: NONE

NOTES:

1. MIN CROSS SECTION THICKNESS GIVEN, MAY INCREASE PER REQUIRED GEOTECHNICAL REPORT. ROADWAY WIDTHS ASSUME A TWO THROUGH LANES. IF ADDITIONAL LANES ARE REQUIRED TO MEET TRAFFIC REQUIREMENTS ROAD CROSS SECTION MAY NEED TO BE ADJUSTED.
2. IF UNDISTURBED NATIVE SOIL IS NOT PRESENT BELOW SIDEWALK OR TRAIL, NATIVE FILL SHALL BE PROPERLY PLACED AND COMPACTED AS REQUIRED BY THE COUNTY CIVIL INSPECTOR.
3. ROADWAY WIDTHS ASSUME A CENTER TURN LANE AND TWO THROUGH LANES. IF ADDITIONAL LANES ARE REQUIRED TO MEET TRAFFIC REQUIREMENTS ROAD CROSS SECTION MAY NEED TO BE ADJUSTED.

PROJECT # DATE
T2127A 7/13/2021

3 OF 11

SCALE:
75

**100' ROW COLLECTOR
TOOELE COUNTY ENGINEERING DEPT**

Rachelle Custer

APPROVAL

7/15/2021

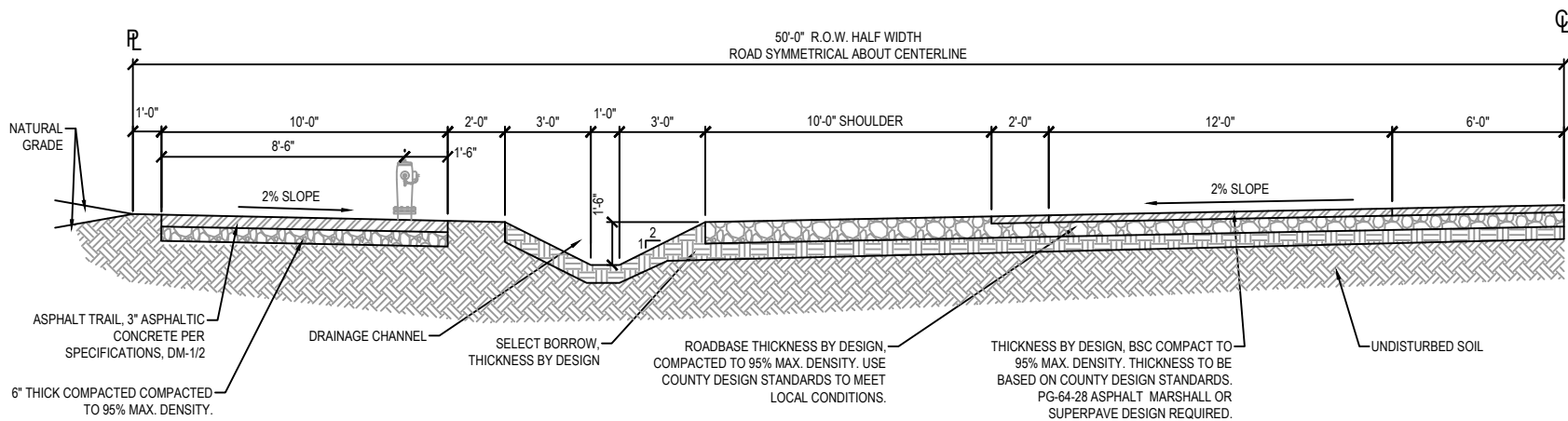
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3 100'-0" ROW COLLECTOR ROAD CROSS SECTION

SCALE: NONE

NOTES:

1. MIN CROSS SECTION THICKNESS GIVEN, MAY INCREASE PER REQUIRED GEOTECHNICAL REPORT. ROADWAY WIDTHS ASSUME A TWO THROUGH LANES. IF ADDITIONAL LANES ARE REQUIRED TO MEET TRAFFIC REQUIREMENTS ROAD CROSS SECTION MAY NEED TO BE ADJUSTED.
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PROJECT # DATE
T2127A 7/13/2021

4 OF 11

SCALE:
75

100' ROW COLLECTOR TOOELE COUNTY ENGINEERING DEPT

Rachelle Custer

APPROVAL

7/15/2021

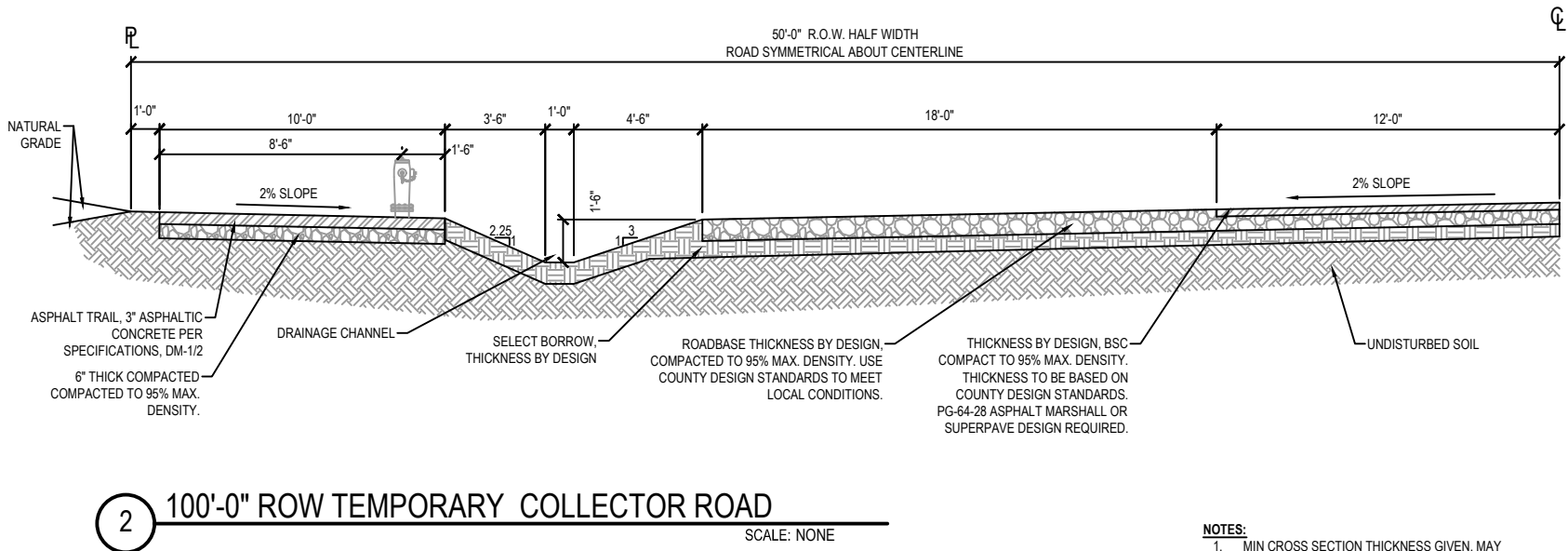
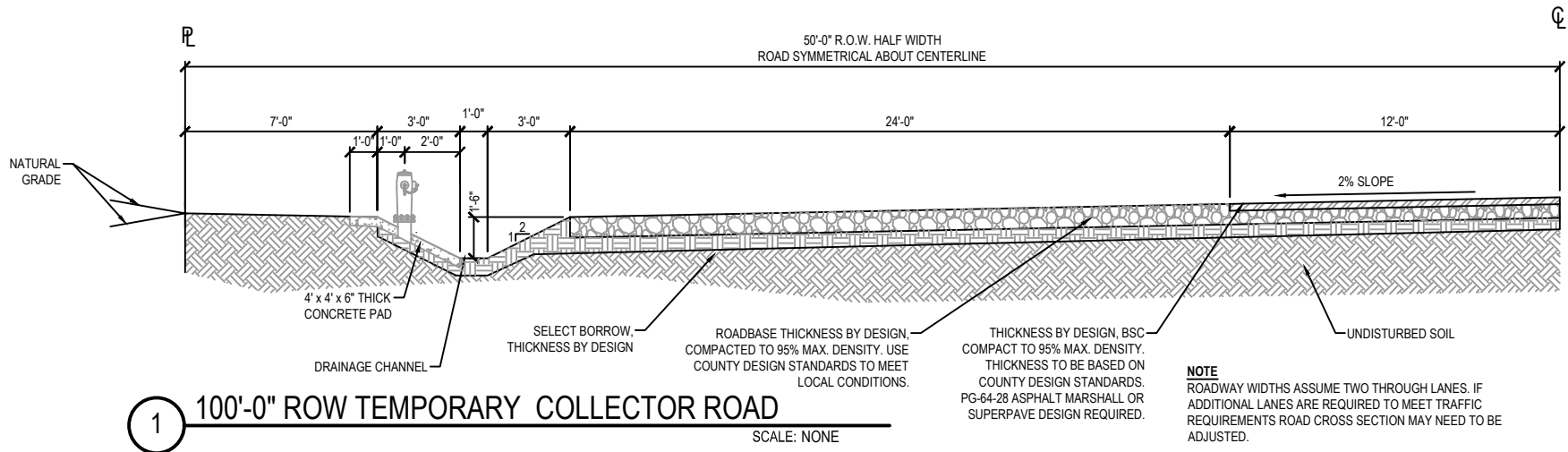
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PROJECT # DATE
T2127A 7/13/2021

5 OF 11

SCALE:
75

**100' ROW COLLECTOR
TOOELE COUNTY ENGINEERING DEPT**

Rachelle Custer

APPROVAL

7/15/2021

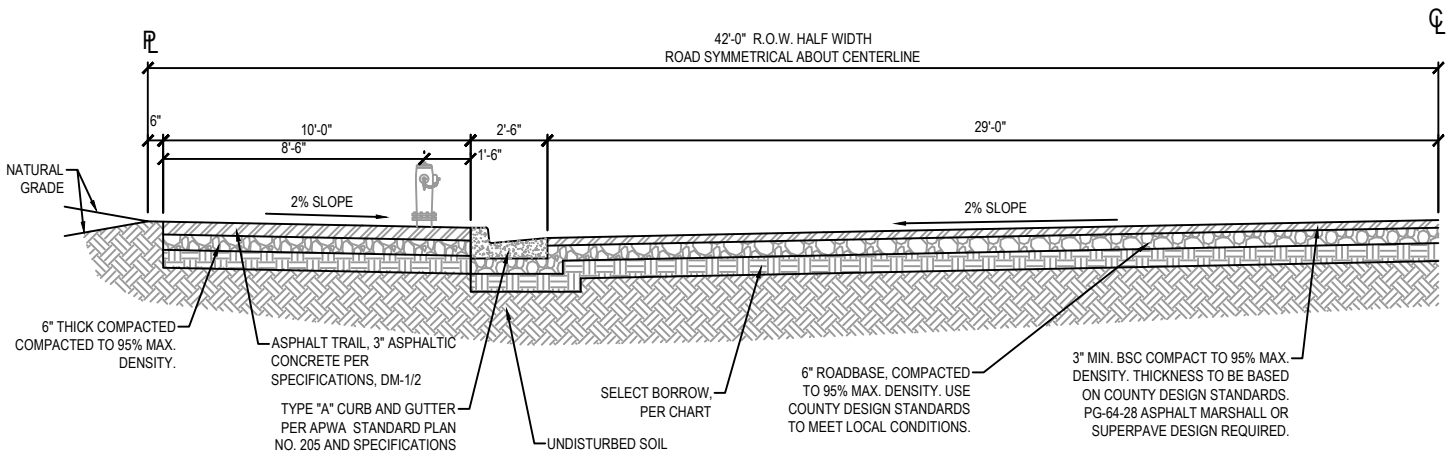
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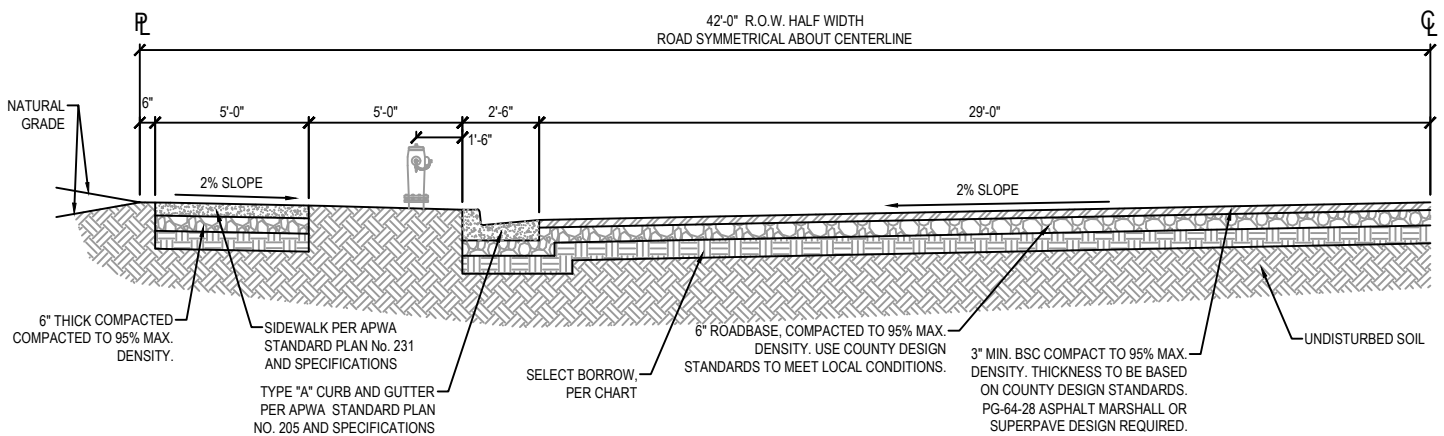
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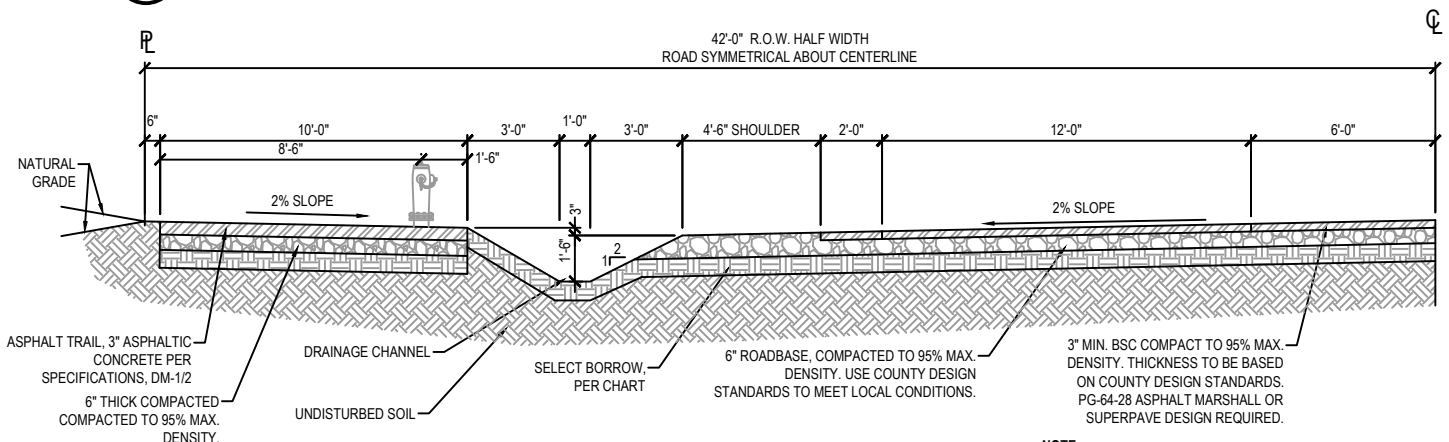




1 84'-0" ROW COLLECTOR ROAD CROSS SECTION
SCALE: NONE



2 84'-0" ROW COLLECTOR ROAD CROSS SECTION
SCALE: NONE



3 84'-0" ROW COLLECTOR ROAD CROSS SECTION
SCALE: NONE

PROJECT # DATE
T2127A 7/13/21

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FILE:

84' ROW COLLECTOR
TOOELE COUNTY ENGINEERING DEPT.

Rachelle Custer

APPROVAL

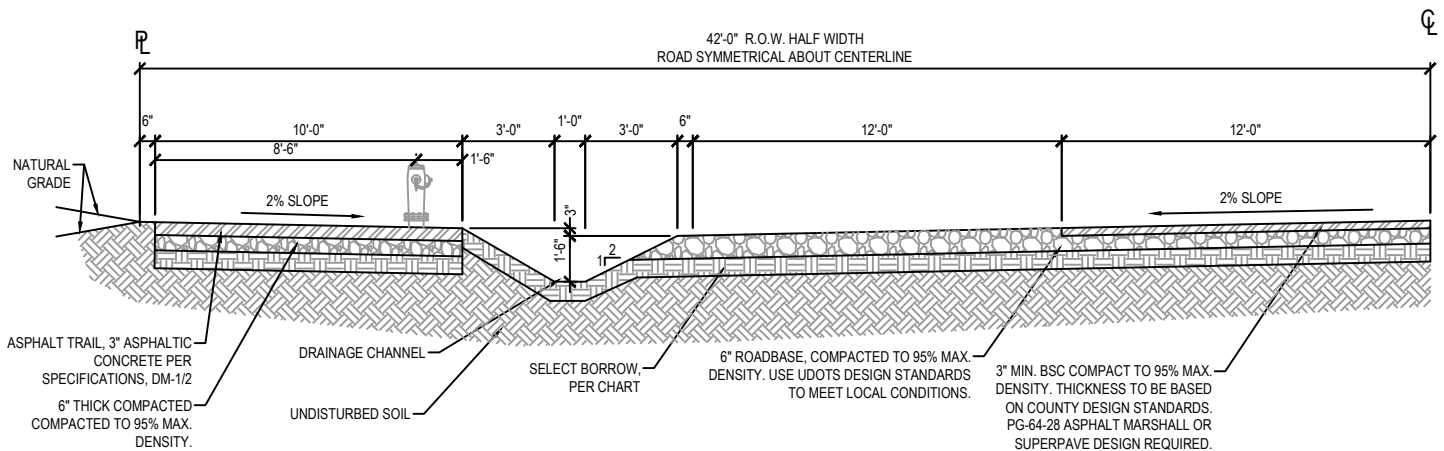
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1 84'-0" ROW TEMPORARY COLLECTOR ROAD

SCALE: NONE

NOTES:

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PROJECT # DATE
T2127A 7/13/21

7 OF 11

FILE:

84' ROW TEMPORARY COLLECTOR
TOOELE COUNTY ENGINEERING DEPT.

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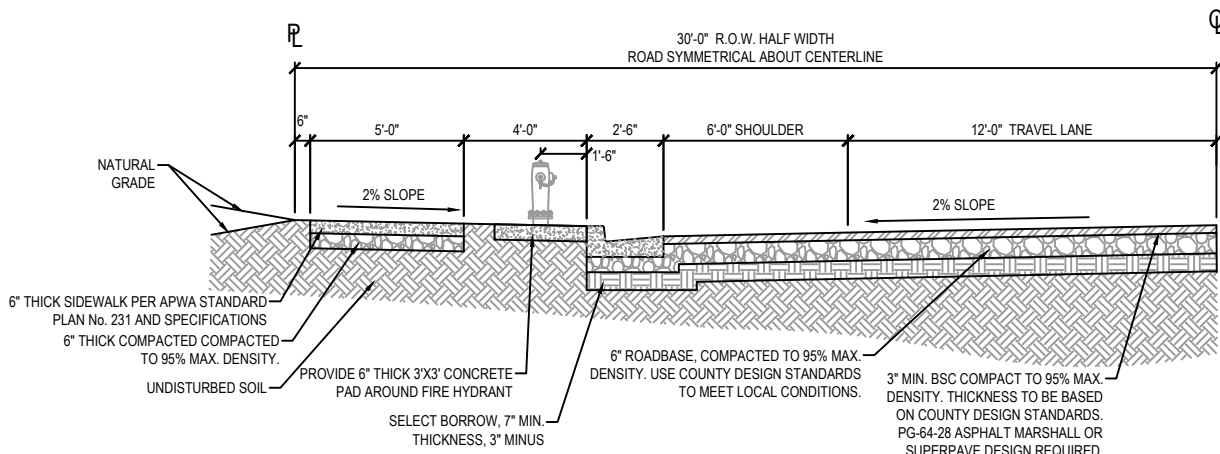
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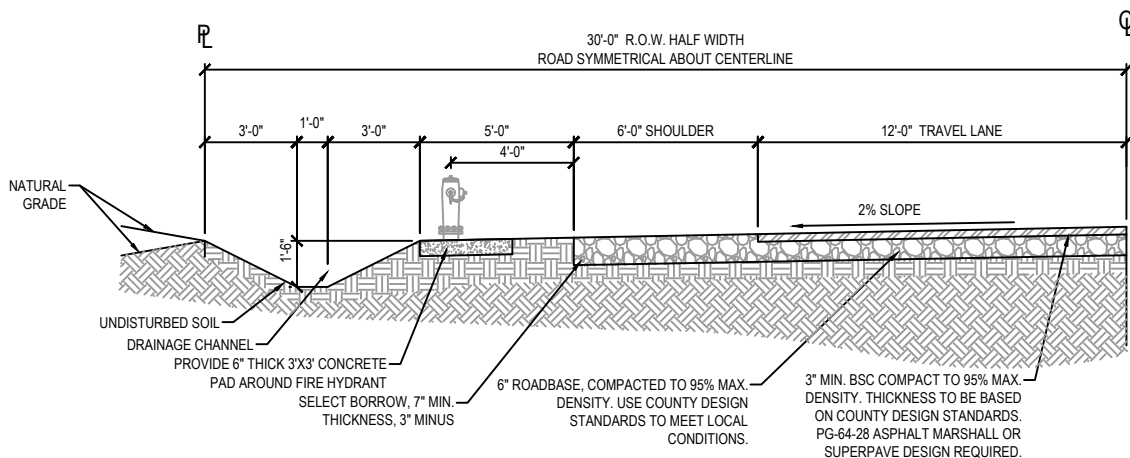
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1

60'-0" ROW LOCAL ROAD CROSS SECTION w/ C&G

SCALE: NONE



2

60'-0" ROW LOCAL ROAD CROSS SECTION SWALE

SCALE: NONE

NOTES:

1. MIN CROSS SECTION THICKNESS GIVEN, MAY INCREASE PER REQUIRED GEOTECHNICAL REPORT. ROADWAY WIDTHS ASSUME A TWO THROUGH LANES. IF ADDITIONAL LANES ARE REQUIRED TO MEET TRAFFIC REQUIREMENTS ROAD CROSS SECTION MAY NEED TO BE ADJUSTED.
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PROJECT # DATE
T2127A 7/13/21

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FILE:

60' ROW LOCAL ROAD
TOOELE COUNTY ENGINEERING DEPT

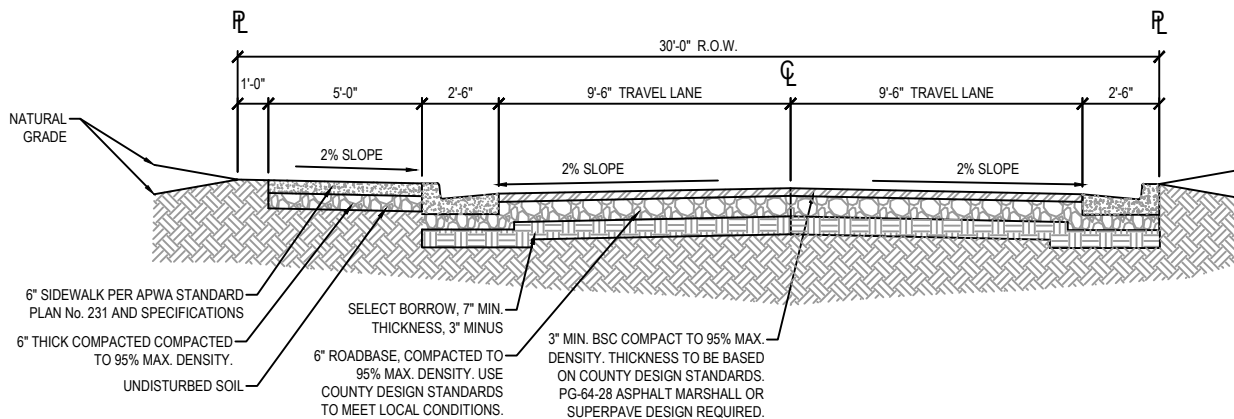
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APPROVAL

7/15/2021
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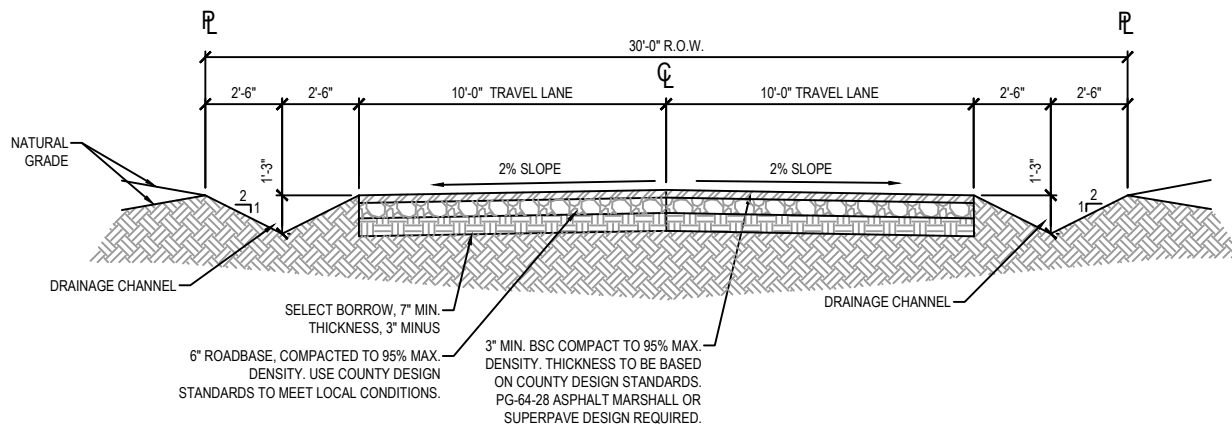
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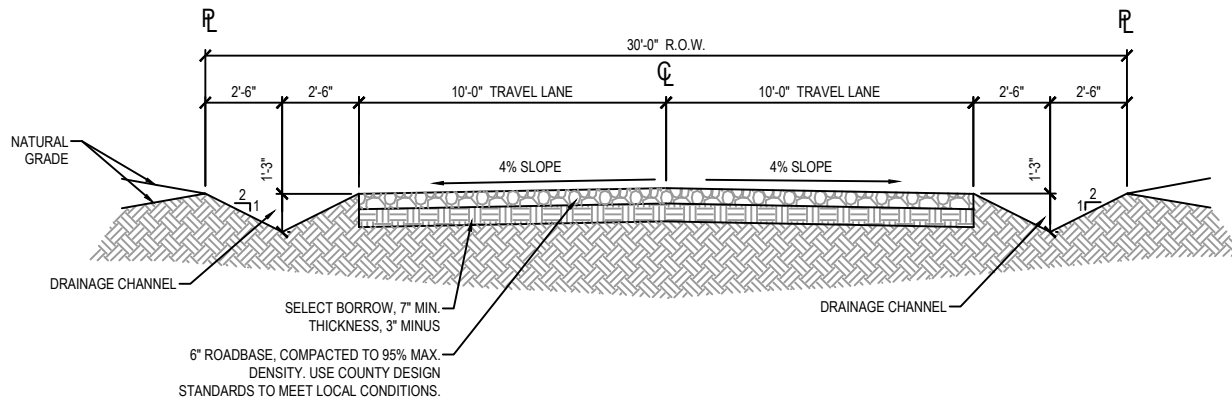
1 30'-0" ROW PRIVATE ROAD CROSS SECTION

SCALE: NONE



2 30'-0" ROW PRIVATE ROAD CROSS SECTION

SCALE: NONE



3 30'-0" ROW PRIVATE ROAD CROSS SECTION

SCALE: NONE

NOTES:

1. MIN CROSS SECTION THICKNESS GIVEN, MAY INCREASE PER REQUIRED GEOTECHNICAL REPORT. ROADWAY WIDTHS ASSUME A TWO THROUGH LANES. IF ADDITIONAL LANES ARE REQUIRED TO MEET TRAFFIC REQUIREMENTS ROAD CROSS SECTION MAY NEED TO BE ADJUSTED.
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PROJECT # DATE
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FILE:

PRIVITE ROAD
TOOELE COUNTY ENGINEERING DEPT

Rachelle Custer

APPROVAL

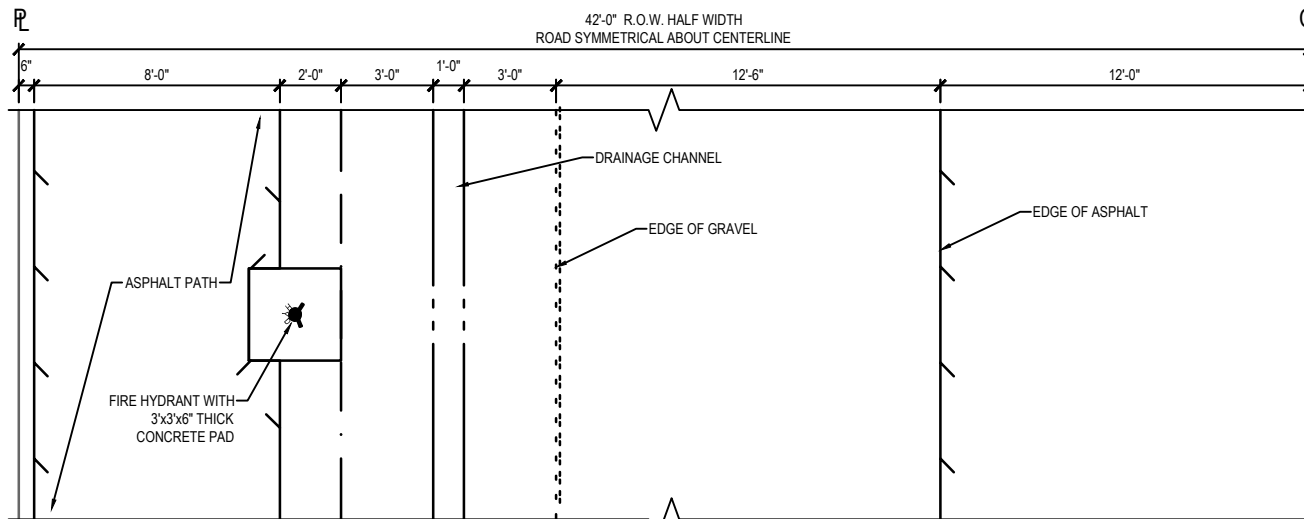
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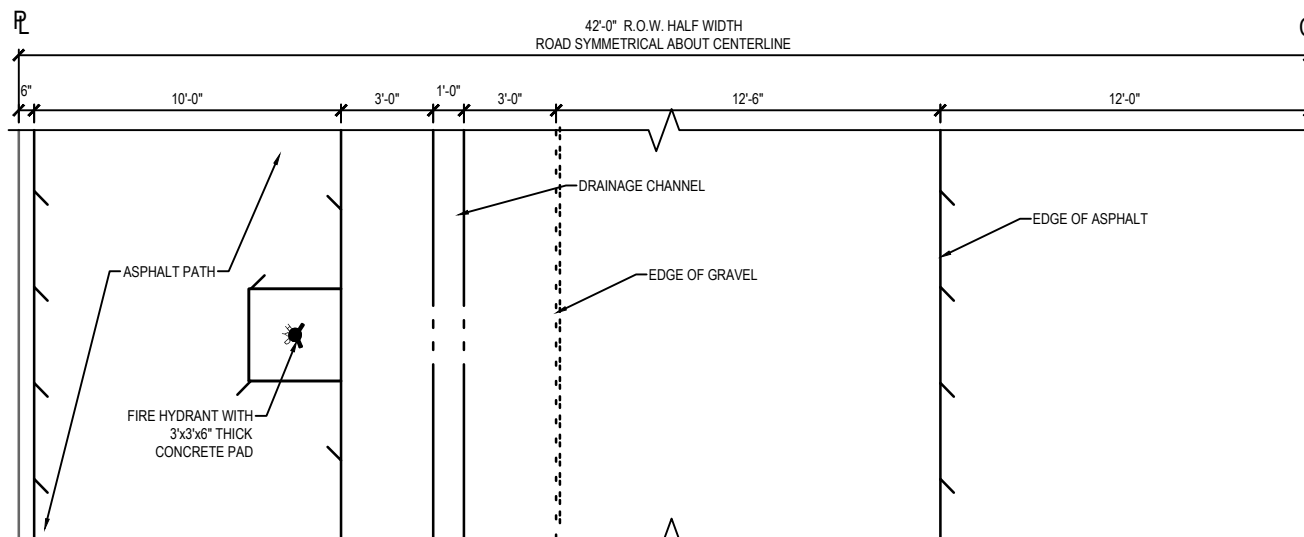
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OPTION #1

SCALE: NONE



OPTION #2

SCALE: NONE

PROJECT # DATE
T2127A 7/13/2021

10 OF 11

SCALE:
75

84' ROW COLLECTOR TOOELE COUNTY ENGINEERING DEPT

Rachelle Custer

APPROVAL

7/15/2021

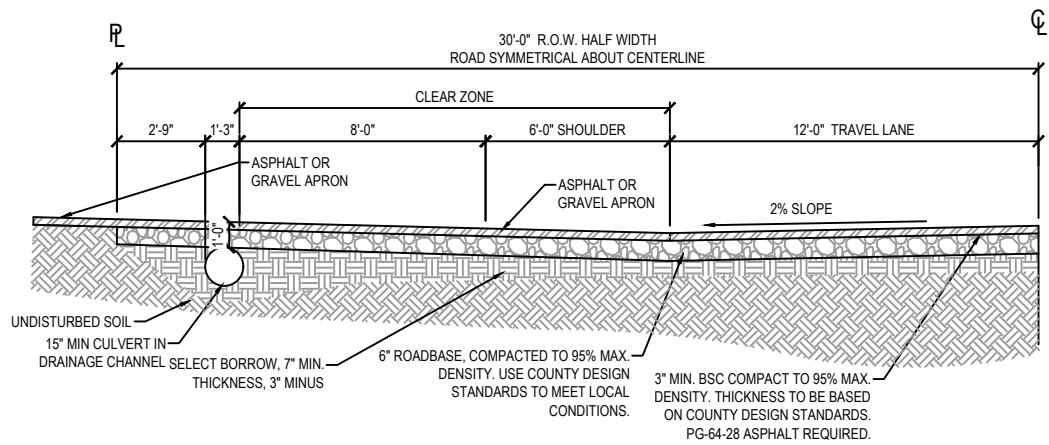
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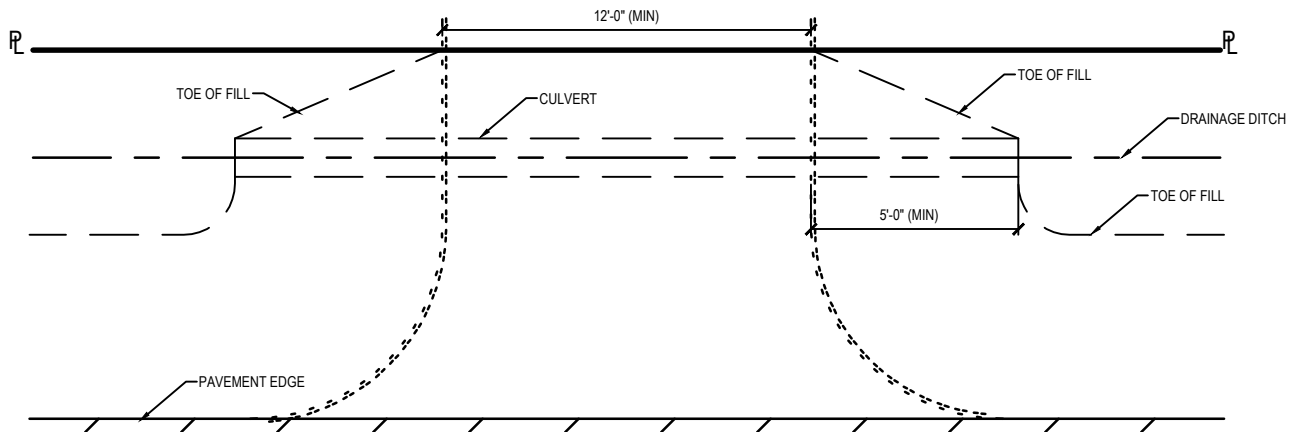
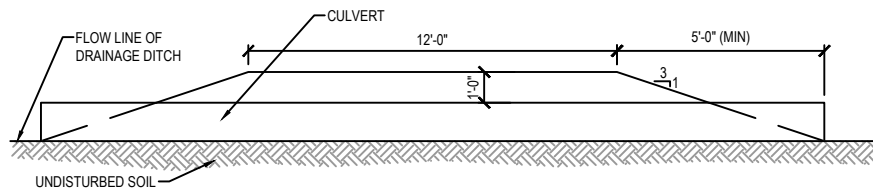
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SECTION THROUGH CENTER LINE OF DRIVEWAY
SCALE: NONE



DRIVEWAY APPROACH
SCALE: NONE

NOTE: TOOELE COUNTY MINIMUM STANDARDS SHOWN
GEOTECHNICAL REPORT MAY SUPERSEDE TOOELE COUNTY MINIMUM STANDARDS

PROJECT # DATE
T2127A 7/13/21

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FILE:

PRIVATE ROAD
TOOELE COUNTY ENG. DEPT.

Rachelle Custer

APPROVAL

7/15/2021

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