



Rt. 29 Solutions Project Delivery Advisory Panel

July 16, 2015



Route 29 Solutions

Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team



Route 29 Solutions

Agenda item 2: Business Assistance

Secretary of Transportation, Aubrey Layne



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Agenda item 3: Interaction and Feedback

Live Streaming - June 25 PDAP

- **Unique Viewers:** 28 (June 11; 22)
- **Streams:** 54 (June 11; 49)
- **Average Minutes per stream:** 29 (June 11; 47)



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Agenda item 3: Interaction and Feedback (continued)

1 emailed comment to route29solutions.org, June 23 - July 13

No new Provide Input postings on route29solutions.org, June 23 - July 13

No calls to Design-Build project hotline, June 23 - July 13

Emailed Comment:

Pot hole reported on ramp at Best Buy

- Pot hole has been repaired with permanent pavement.



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Agenda item 4: Report on PDAP Feedback from June 25 PDAP meeting

Some support expressed for 2-sign option for overhead signs

Risk of too much information on only 2 signs was noted

Need to address notification of truck restriction on John Warner Parkway

- Design-build team continuing to develop both 2-sign and 3-sign options for the overhead signs.
- Will have refined options for review at Aug 6 PDAP meeting.
- Design-build team shares concerned about overall size of overhead signs



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Agenda item 5: Panel Feedback and Suggestions for Future Agenda Items

Open Discussion

Agenda item 6: Design-Build Plan Submission Schedule

Route 29 Solutions Design Review Scheduled submission dates (s) Actual submission dates ✓										
2015										
	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Rio Road Intersection	Mar 6 30% ✓	Apr 17 30% (s)	May 27 60% ✓	Jun 24 60% (s)		Aug 7 Final (s)				
Route 29 Widening	Mar 31 30% ✓	Apr 8 30% (s)	Jun 11 60% ✓				Sept 1 60% (s)			Dec 2 Final (s)
Berkmar Extended							Sept 3 60% (s)			Dec 31 Final (s)



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Agenda item 7: Rt. 29 Solutions Updates

Rt. 250 / 29 Interchange

Work this week

- Complete relocation of 8-inch gas main
- Begin excavation for retaining wall at Best Buy
- Begin installation of storm drain structures along the 29 to 250 ramp
- Continue grading and under drain installation in median of Route 29

Work next week

- Begin installation of retaining wall at Best Buy
- Complete under drain installation in median of Route 29
- Complete installation of storm drain structures along 29 to 250 ramp
- Begin excavation and temporary shoring for MSE retaining wall along Route 250



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Adaptive Signal System

Work this week

- Provide schedule for Woodbrook/Berkmar signal re-build
- Review schedule
- Perform test boring for signal locations
- Completed initial adaptive signal test

Upcoming work

- Begin Woodbrook/Berkmar foundation report
- Full test of adaptive signal communications



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Rio Grade-Separated Intersection

Work this week

- Ductbank A construction (NE quadrant)
- Ductbank B directional boring (NW quadrant)
- Ductbank C directional boring (Rte. 29 crossing)
- Submit final bridge plans, soil report, and minor structures
- Submit utility plan revision #1
- Submit final roadway plans
- Hold monthly meeting



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Rio Grade-Separated Intersection

Work next week

- **Ductbank A construction – move to night work (NE quadrant)**
- **Ductbank B construction – directional boring (SW and NW quadrant)**
- **Ductbank C test pitting and directional boring (Rte. 29 crossing)**
- **Begin waterline relocation, starting with service lines to outparcel in SE quadrant**



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Rt. 29 Widening

Work this week

- Utility test holes with nighttime lane closures
- ROW appraisals
- Review advanced work package (Rt. 29 median)

Work next week

- Utility test holes with nighttime lane closures
- ROW negotiations



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Berkmar Extended

Work this week

- Place safety fence around wetlands and clear archaeological site
- ROW appraisals

Work next week

- Begin archaeological data recovery
- Submit revised geotechnical report



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Hillsdale Extended

Work this week

- **Quality Assurance/Quality Control on updated signal warrant analysis**
- **Response to VDOT's 2nd Round of Bridge Type I Report comments**
- **Stakeholder Committee Meeting Minutes and Response to Comments being drafted**

Upcoming work

- **Response to Anticipated Comments from County re: SWM plans and MOA**
- **Final plan set to be received in three weeks**
- **Appraisal process continues on select parcels**



Route 29 Solutions

Agenda item 7: Rt. 29 Solutions Updates (continued)

Job Fair Update

DBE and Small Business Outreach Event

- Doubletree Charlottesville
- Underway now - July 16, 2pm - 4pm

Job and Career Fair Open House

- Doubletree Charlottesville (changed from contractor's project office)
- July 28, 8am - 1pm



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Agenda item 8: Placenaming

Focus Group Preliminary Results and Next Steps

- John Martin, SIR



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Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments

PDAP received July 2 memorandum and drawings from SELC, prepared by Kennon Williams Landscape Studio

Each response considers appropriate safety and maintenance cost issues.

- 1. Extend facade surface of bridge to cover the beam and surround facade with a red brick border**
 - The bridge beam will remain exposed.
 - Architectural treatment will extend to the parapet wall and to bridge deck end and curb section.
 - Consideration is being given to use of colored concrete for end beam.
 - A brick border will not be installed.

Route 29 Solutions

Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

2. Use a decorative railing at end of bridge deck

- **VDOT must use an approved, crash-tested barrier. Current design is approved and meets all requirements.**

3. Cover the concrete median barrier between the through lanes with a brick facade

- **The barrier will not be covered with brick. The median barrier design meets specific safety requirements.**

4. Widen the retaining wall pilasters and extend them outward a minimum of 1 foot.

- **Pilasters will be widened, but will not be further extended outward.**

Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

5. Use cast stone or brick to cover pilasters.

- Neither cast stone nor brick will be added to the pilasters. The pilasters will use colored, textured concrete.

6. Consider planting vines along the retaining walls that would require 1 foot at the base of the walls for a planting bed.

- Vines will not be planted along the retaining walls.

7. Create a brick band along the base of the retaining wall.

- A brick band will not be created at the base of the wall.



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Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

8. Consider expanding the bridge deck by 20 feet on each end.
 - The bridge deck will not be expanded.
 9. Establish plant beds on the bridge deck.
 - Plant beds on the bridge deck will not be established. The contractor will submit a revised landscape plan for the bridge deck that is more robust than indicated on the 60% plans.
 10. Use brick for the crosswalk section on the bridge deck
- Brick will not be used, but a stamped, colored brick pattern is being considered.

Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

11. Use up-lighting for trees on the bridge deck.

- There will not be any trees on the bridge deck. Appropriate lighting for the bridge deck ends is included in the plans.

12. Brick the sidewalks in the pedestrian islands; use plantings and cobblestone as treatments in the non-crosswalk portion of the islands.

- Plantings, brick and cobblestone will not be used on the pedestrian islands.
- Stamped brick patterns are being considered.

Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

13. Use different texture or color of pavement for the crosswalks.

Textures, colors or stamped patterns are being considered for the crosswalks.

14. Use plantings and red brick sidewalks at intersection corners

- Brick sidewalks will not be used, but a stamped brick pattern is being considered. There are limited areas of right-of-way available for planting at the intersection corners.
- The contractor will consider any appropriate planting in the right-of-way that does not limit sight distance or create a safety issue.

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Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

15. Convert striped pavement islands and medians to planting zones

- **Pavement islands and medians will not be converted to planting zones. These safety areas exist for the recovery of errant vehicles and pedestrians. (See note on slide 25)**

16. Align street lights on the retaining wall so they face each other rather than alternate

- **The lighting of the through lanes is designed to efficiently balance the required level of lighting.**
- **A creative lighting plan for the local lanes is being developed.**



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Agenda item 9: Rio GSI Wall and Bridge Architectural Treatments (continued)

**17. Install a pillar of brick or cast stone at the end of the retaining walls
(entrance to through lanes and local lanes)**

- **Pillars will be not be installed at the end of the retaining walls. The retaining walls must be protected with approved safety impact attenuators.**

Note: Two roadway areas on Rt. 29 will be landscaped - near the Berkmar temporary crossover and near the Myers Drive temporary crossover - as shown on the next two slides.

PROJECT MANAGER: Dawn Caviglion, P.E. 4436 0209771
 SURVEYED BY: DATE: JKL Corp., Inc. 1916 644-0001 067 10th
 DESIGN BY: Russell, Mapp & Karl, L.P. 1924 732-901
 SUBSURFACE UTILITY BY: DATE: 10/01/2019 10/29/2019

THESE PLANS ARE UNFINISHED
 AND UNAPPROVED AND ARE NOT
 TO BE USED FOR ANY TYPE
 OF CONSTRUCTION OR THE
 ACQUISITION OF RIGHT OF WAY.

NUMBER	DATE	ROUTE	PROJECT	SHEET NO.
VA.	29		0029-002-901 RW-201, C-501	3

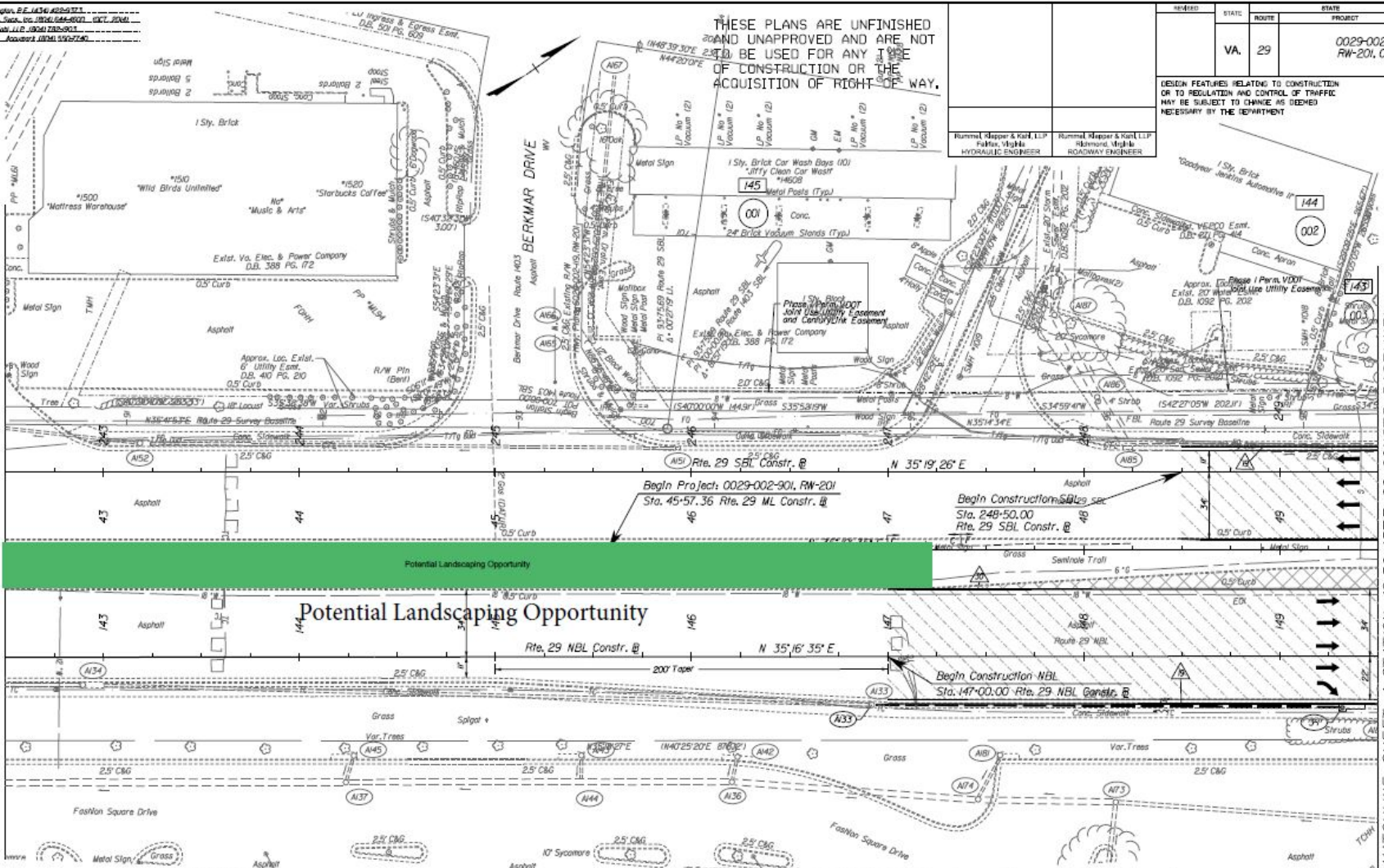
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Russell, Mapp & Karl, L.P.
 FUTURE HIGHWAY
 HYDRAULIC ENGINEER

Russell, Mapp & Karl, L.P.
 RICHMOND, VA
 HIGHWAY
 ROADWAY ENGINEER

MATCHLINE SHEET 3B STATION 42+50 (RTE. 29 CONSTR. BASELINE)

MATCHLINE SHEET 4 STATION 49+50 (RTE. 29 CONSTR. BASELINE)



- INCIDENTAL ITEMS LEGEND**
- ▲ STD. CD-2 REED.
 - ▲ STD. CD-3 REED.
 - ▲ STD. CD-4 REED.
 - ▲ STD. CD-4 REED.
 - ▲ STD. CD-2 REED.
 - ▲ STD. EM-2 REED.
 - ▲ STD. OUTLET PIPE REED.
 - ▲ STD. GPH REED.
 - ▲ STD. CD-7 REED.
 - ▲ STD. MB-7D REED.
 - ▲ STD. MB-8A REED.
 - ▲ IMPACT ATTENUATOR REED.
 - ▲ STD. WS-2 REED.
 - ▲ CONG. SIDEWALK REED. 5'-5" WIDE
 - ▲ STD. WS-4 REED.
 - ▲ STD. CD-3 REED.
 - ▲ STD. CD-2, TYPE B REED.
 - ▲ TO BE REMOVED
 - ▲ TO BE ABANDONED

- Denotes Demolition of Pavement
- Denotes Proposed Pavement
- Denotes Mill & Overlay Pavement
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills
- Denotes Temporary Easement
- Denotes Permanent Easement

REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Profiles	3A
Right of Way Plan	3RW
Drainage Descr.	10
SWK Details	12(1)
Property Owners	11(2), 11(3)
Utility Owners	11(1), 11(1)
E&S	11(6), 11(11)



PROJECT NUMBER: 0029-002-901
 SURVEYED BY DATE: 08/11/2011
 DESIGN BY: 08/11/2011
 SUBSURFACE UTILITY BY DATE: 08/11/2011

INCIDENTAL ITEMS LEGEND

- | | | |
|------------------------|---------------------------------|------------------------|
| STD. CD-2 RECD. | STD. 04-9 RECD. | STD. WS-14 RECD. |
| STD. WD-3 RECD. | STD. CD-7 RECD. | STD. CD-3 RECD. |
| STD. WD-4 RECD. | STD. MS-70 RECD. | STD. CD-2 TYPE B RECD. |
| STD. CD-4 RECD. | STD. MS-84 RECD. | TO BE REMOVED |
| STD. CD-2 RECD. | IMPACT ATTENUATOR RECD. | TO BE ABANDONED |
| STD. CD-2 RECD. | STD. MS-2 RECD. | |
| STD. OUTLET PIPE RECD. | CONC. SIDEWALK RECD. 3'-5" WIDE | |

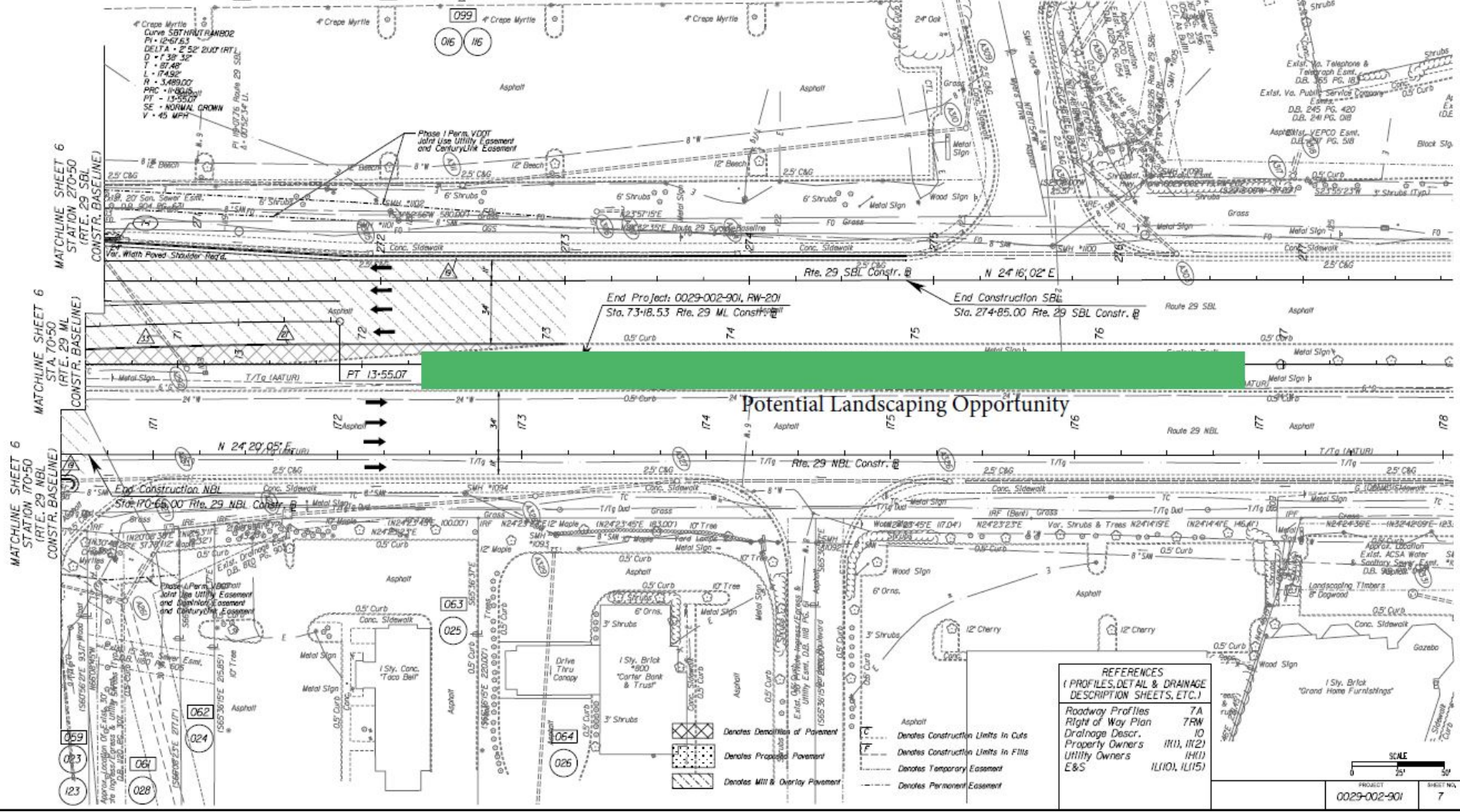
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SHEET NO.	STATE	ROUTE	STATE	PROJECT	SHEET NO.
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Rummel, Mapp & Kahl, LLP
 FAYATTA, VIRGINIA
 HYDRAULIC ENGINEER

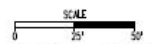
Rummel, Mapp & Kahl, LLP
 FAYATTA, VIRGINIA
 ROADWAY ENGINEER



REFERENCES
 (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

Roadway Profiles	7A
Right of Way Plan	7RW
Drainage Descr.	10
Property Owners	11(1), 11(2)
Utility Owners	11(1)
E&S	11(10), 11(15)

- Denotes Demolition of Pavement
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PROJECT	SHEET NO.
0029-002-901	7



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Agenda item 10: Adjourn



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