# *GEORGE WASHINGTON MEMORIAL PARKWAY*

*Theodore Roosevelt Island Parking Lot*
*Improve Safety on the Mount Vernon Trail*

*ALTERNATIVES*


*A-1* *EXISTING CONDITIONS*

*A-2* *ALTERNATIVE ONE (OVERVIEW)*

*A-3*
- *NORTH ENTRANCE TO THE PARKING LOT*

*A-4*
- *CROSSWALK*

*A-5*
- *SOUTH ENTRANCE TO THE PARKING LOT (AND ENTRANCE TO THEODORE ROOSEVELT ISLAND)*

*A-6* *ALTERNATIVE TWO (OVERVIEW)*

*A-7*
- *NORTH ENTRANCE TO THE PARKING LOT*

*A-8*
- *CROSSWALK*

*A-9*
- *SOUTH ENTRANCE TO THE PARKING LOT (AND ENTRANCE TO THEODORE ROOSEVELT ISLAND)*

*A-10* *ALTERNATIVE THREE (DISMISSED)*

*A-11* *ALTERNATIVE FOUR (DISMISSED)*

*GOAL OF THE PROJECT:*

- *REDUCE VISITOR CONFLICT AND IMPROVE VISITOR EXPERIENCE*
- *INCREASE SAFETY*
- *PROVIDE SEPARATED ACTIVITIES*
- *ENHANCE VISITOR SERVICES INCLUDING WATER FOUNTAIN, BIKE RACKS, SIGNAGE, INTERPRETATION*
- *UPGRADE TRAIL TO MEET MINIMUM DESIGN STANDARDS FOR MOUNT VERNON TRAIL*

*LEGEND*

*MOUNT VERNON TRAIL*

*BRIDGE TO ROSSLYN*

*GRASSY AREA*

*CONCRETE CURB AND GUTTER*

*PICTURE 1 - 8'-4" WIDE TRAIL WITH NO SHOULDER EITHER SIDE*



*PICTURE 2 - RAMP INTERRUPTS TRAIL*

*PICTURE 3 - INADEQUATE SHOULDERS*

*PICTURE 4 - MATURE TREES INTERRUPTS TRAIL*

*PICTURE 5 - TREE AND RAMP INTERRUPTS TRAIL*

*PICTURE 6 - 90° TURN TRAIL CROSSING PARKING LOT*

*PICTURE 7 - RAMP ALLOWS BICYCLES, PEDESTRIANS AND CARS TO ENTER SAME AREA*

POTOMAC RIVER

PEDESTRIAN BRIDGE

TRI BRIDGE ACCESS AREA

TRI SOUTH PARKING LOT

MOUNT VERNON TRAIL

TRAIL CROSSING

MOUNT VERNON TRAIL

TRI NORTH PARKING LOT

GWMP N.B.

GWMP S.B.

TO ROSSLYN

EXIT

ENTRANCE

PAVED MEDIAN

I-66

50 0 50 100

*EXISTING CONDITIONS*

*MOUNT VERNON TRAIL—HEAD AT THEODORE ROOSEVELT ISLAND*

*A1*

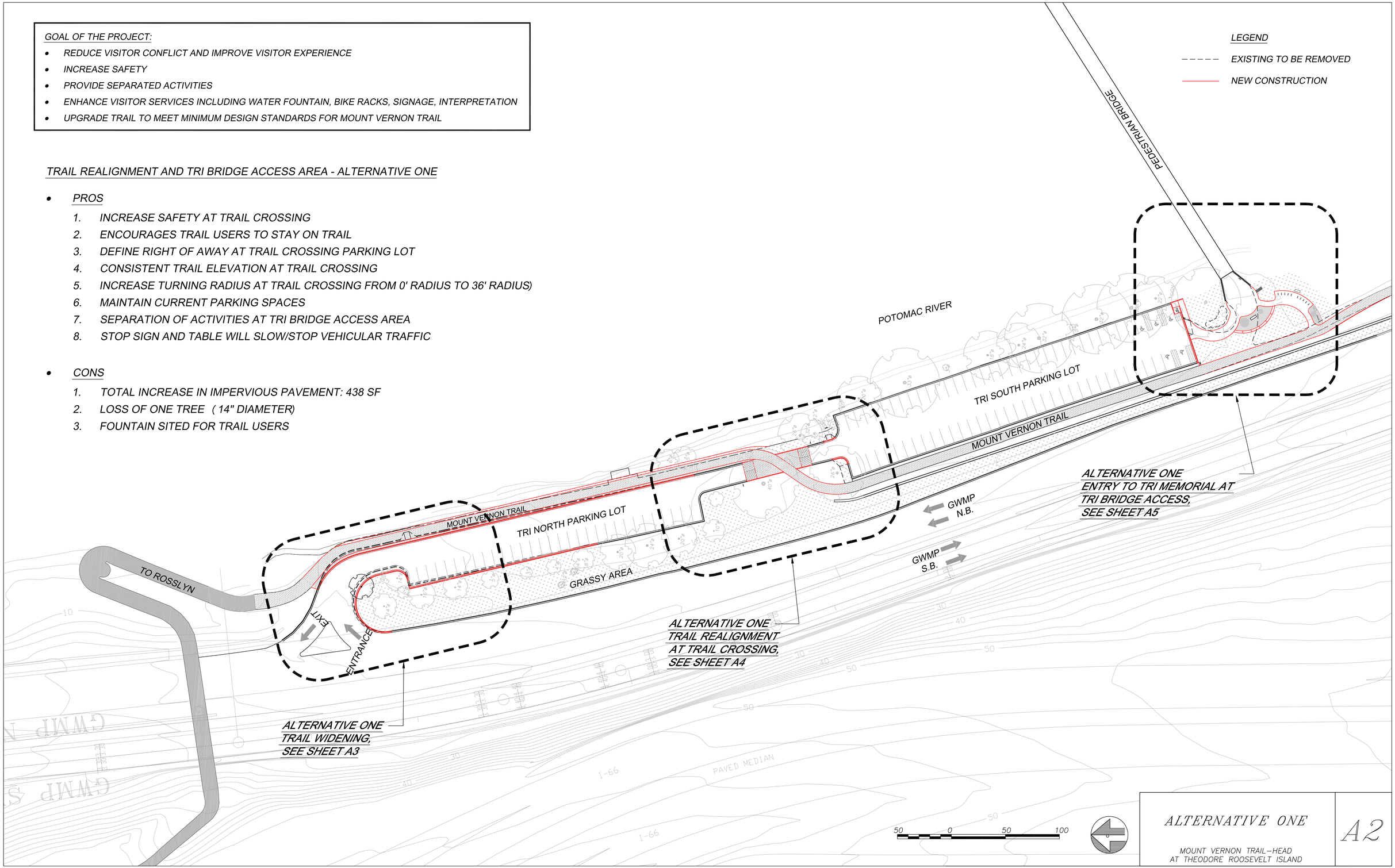
*GOAL OF THE PROJECT:*

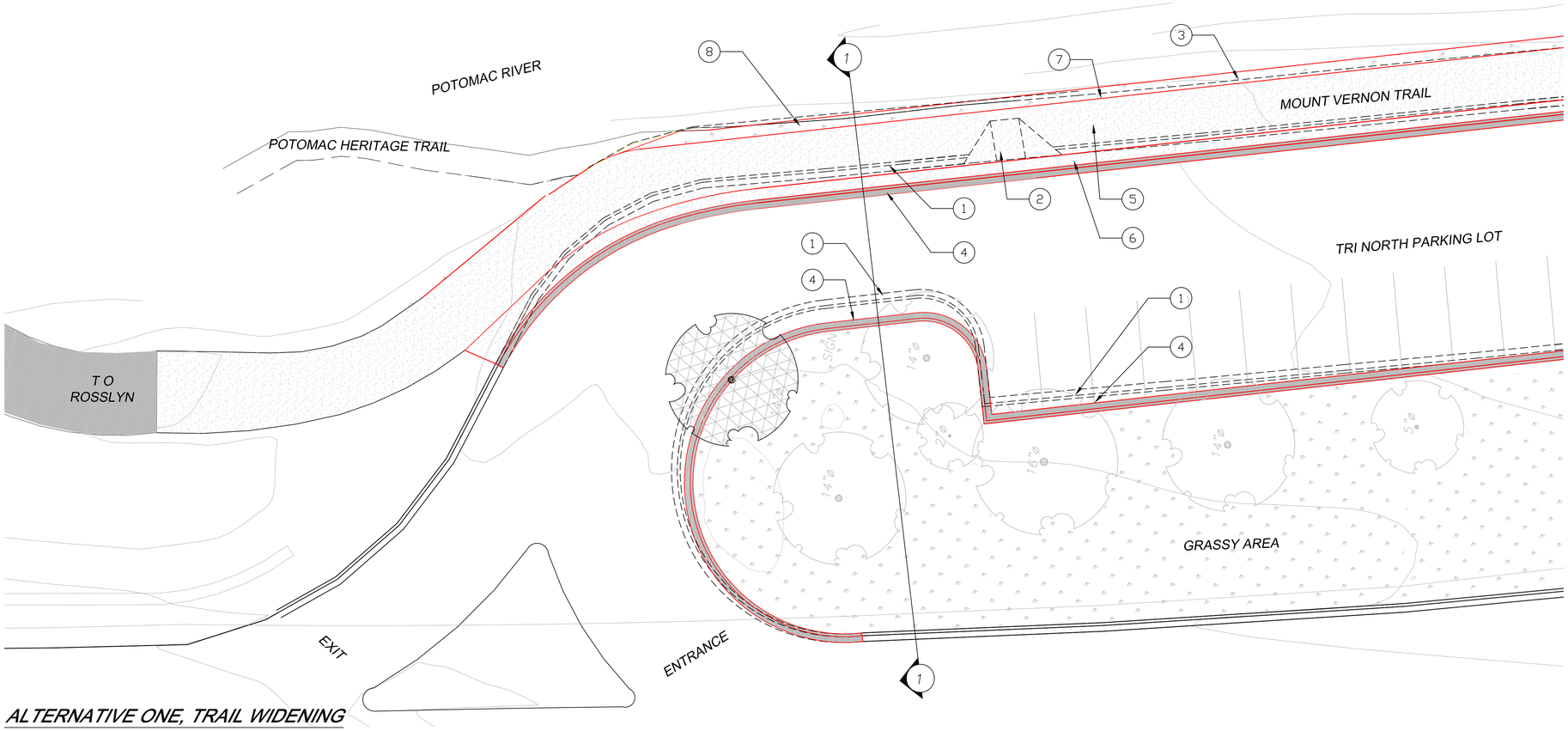
- *REDUCE VISITOR CONFLICT AND IMPROVE VISITOR EXPERIENCE*
- *INCREASE SAFETY*
- *PROVIDE SEPARATED ACTIVITIES*
- *ENHANCE VISITOR SERVICES INCLUDING WATER FOUNTAIN, BIKE RACKS, SIGNAGE, INTERPRETATION*
- *UPGRADE TRAIL TO MEET MINIMUM DESIGN STANDARDS FOR MOUNT VERNON TRAIL*

## *TRAIL REALIGNMENT AND TRI BRIDGE ACCESS AREA - ALTERNATIVE ONE*

- *PROS*
  1. *INCREASE SAFETY AT TRAIL CROSSING*
  2. *ENCOURAGES TRAIL USERS TO STAY ON TRAIL*
  3. *DEFINE RIGHT OF AWAY AT TRAIL CROSSING PARKING LOT*
  4. *CONSISTENT TRAIL ELEVATION AT TRAIL CROSSING*
  5. *INCREASE TURNING RADIUS AT TRAIL CROSSING FROM 0' RADIUS TO 36' RADIUS)*
  6. *MAINTAIN CURRENT PARKING SPACES*
  7. *SEPARATION OF ACTIVITIES AT TRI BRIDGE ACCESS AREA*
  8. *STOP SIGN AND TABLE WILL SLOW/STOP VEHICULAR TRAFFIC*

- *CONS*
  1. *TOTAL INCREASE IN IMPERVIOUS PAVEMENT: 438 SF*
  2. *LOSS OF ONE TREE ( 14" DIAMETER)*
  3. *FOUNTAIN SITED FOR TRAIL USERS*





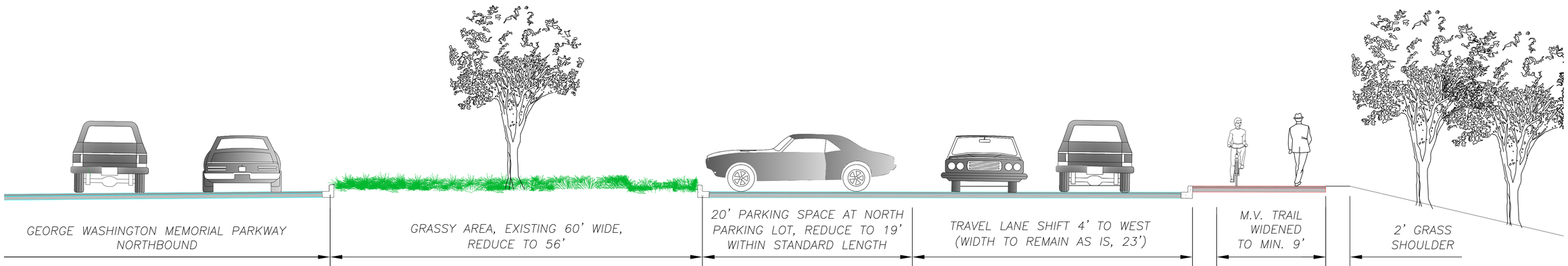

ALTERNATIVE ONE, TRAIL WIDENING

NOTES:

1. EXISTING CURB AND GUTTER
2. EXISTING RAMP
3. EXISTING EDGE OF MOUNT VERNON TRAIL
4. NEW CURB GUTTER
5. 9' WIDE ASPHALT TRAIL
6. 2' WIDE ASPHALT SHOULDER
7. EDGE OF REALIGN MOUNT VERNON TRAIL
8. 2' WIDE GRASSY SHOULDER

LEGEND

- GRASSY AREA
- CONCRETE CURB AND GUTTER
- 9' WIDE ASPHALT TRAIL
- CONCRETE CURB AND GUTTER TO BE REMOVED
- CONCRETE RAMP TO BE REMOVED
- TREE TO BE REMOVED




SECTION 1-1 AT TRAIL WIDENING

# ALTERNATIVE ONE TRAIL WIDENING ENLARGEMENT

MOUNT VERNON TRAIL–HEAD
AT THEODORE ROOSEVELT ISLAND

A3

POTOMAC RIVER

MOUNT VERNON TRAIL

TRI NORTH PARKING LOT

RAMP UP

MOUNT VERNON TRAIL

RAMP UP

TRI SOUTH PARKING LOT

MOUNT VERNON TRAIL

GRASSY AREA

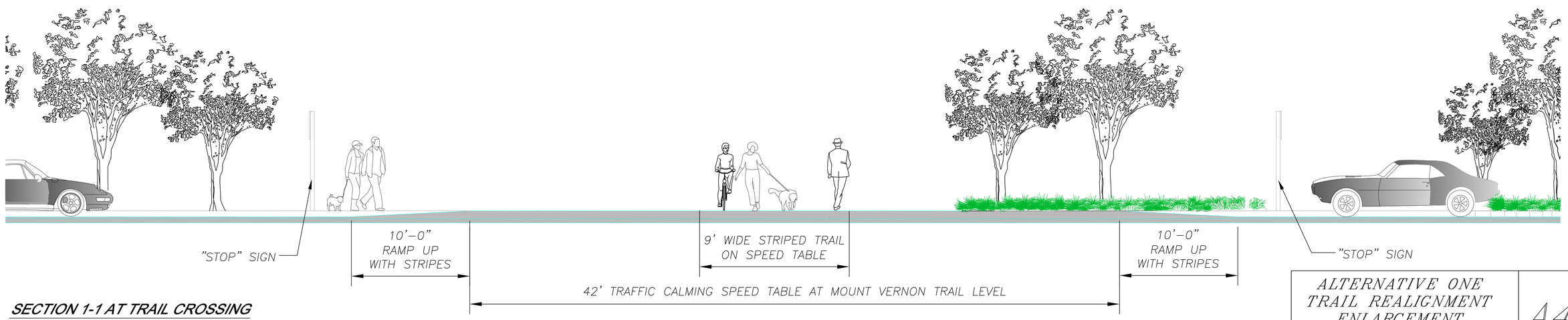
*NOTES:*

1. *EXISTING CURB AND GUTTER*
2. *EXISTING RAMP*
3. *EXISTING EDGE OF MOUNT VERNON TRAIL*
4. *NEW CURB GUTTER*
5. *9' WIDE ASPHALT TRAIL*
6. *2' WIDE ASPHALT SHOULDER*
7. *EDGE OF REALIGN MOUNT VERNON TRAIL*
8. *2' WIDE GRASSY SHOULDER*
9. *TRAFFIC CALMING SPEED TABLE*
10. *STOP SIGN*

*LEGEND*

- *GRASSY AREA*
- *CONCRETE CURB AND GUTTER*
- *9' WIDE ASPHALT TRAIL*
- *CONCRETE CURB AND GUTTER TO BE REMOVED*
- *CONCRETE RAMP TO BE REMOVED*

## *ALTERNATIVE ONE, TRAIL REALIGNMENT*




## *SECTION 1-1 AT TRAIL CROSSING*

*ALTERNATIVE ONE TRAIL REALIGNMENT ENLARGEMENT*

*MOUNT VERNON TRAIL–HEAD AT THEODORE ROOSEVELT ISLAND*

*A4*

*ENTRY TO TRI MEMORIAL*

1. *GATHERING AREA ( STONE PAVER MATCH TO EXISTING PAVER AT ISLAND)*
2. *18" HIGH STONE SEAT WALL ( MATCH TO EXISTING STONE AT ISLAND)*
3. *BIKE PARKING*
4. *DRINKING FOUNTAIN*
5. *REGIONAL TRAIL MAP*
6. *INTERPRETIVE PANEL*
7. *DIRECTIONAL SIGNNAGE*
8. *REGULATIONS*
9. *ENTRY SIGN*
10. *REMOVE SHRUBS FOR CLEAR SIGHT LINE*
11. *ADA ACCESS RAMP AND PATH*
12. *EXISTING WAYSIDE TO BE RELOCATED*
13. *WILLOW OAK ( 1 1/2" CALIPER)*
14. *REDBUD ( 1" CALIPER)*
15. *MAPLE LEAF VIBURNUM ( QUANTITY 41, 2 GALLON)*
16. *MULCH AREA*

*LEGEND*

- *GRASSY AREA*
- *CONCRETE CURB AND GUTTER*
- *9' WIDE ASPHALT TRAIL*
- *EXISTING ASPHALT TO BE REMOVED*
- *CONCRETE RAMP TO BE REMOVED*

*LOW HEIGHT STONE SEAT WALL AT TRI MEMORIAL TO BE MATCHED*

*PAVERS AT TRI MEMORIAL TO BE MATCHED*

PEDESTRIAN BRIDGE

POTOMAC RIVER

TRI BRIDGE ACCESS AREA

TRI SOUTH PARKING LOT

GRASSY AREA

MOUNT VERNON TRAIL

SLOPE UP

SIGN

22"

36"

# *ALTERNATIVE ONE ENTRY TO MEMORIAL ENLARGEMENT*

*MOUNT VERNON TRAIL—HEAD AT THEODORE ROOSEVELT ISLAND*

*A5*

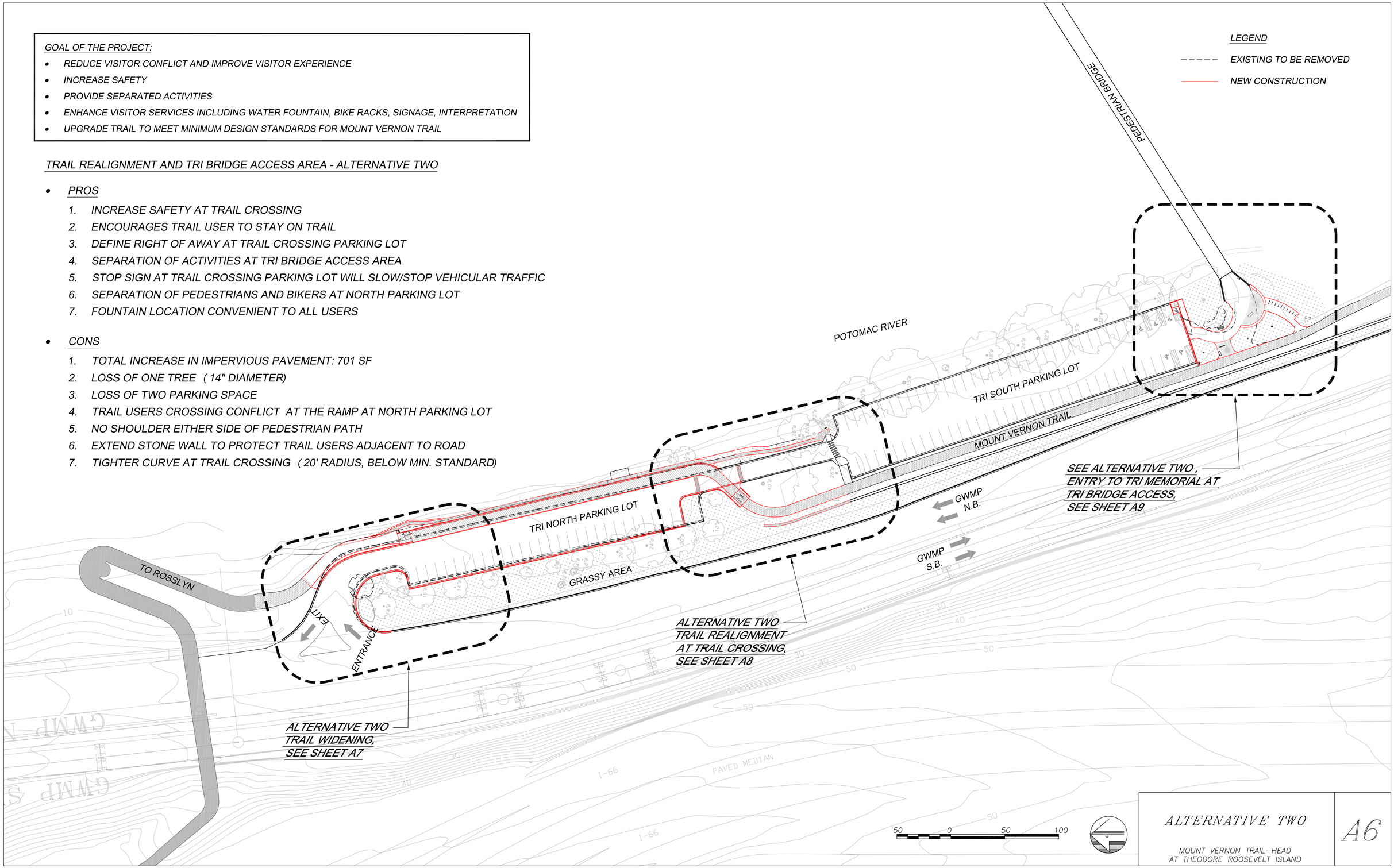
*GOAL OF THE PROJECT:*

- *REDUCE VISITOR CONFLICT AND IMPROVE VISITOR EXPERIENCE*
- *INCREASE SAFETY*
- *PROVIDE SEPARATED ACTIVITIES*
- *ENHANCE VISITOR SERVICES INCLUDING WATER FOUNTAIN, BIKE RACKS, SIGNAGE, INTERPRETATION*
- *UPGRADE TRAIL TO MEET MINIMUM DESIGN STANDARDS FOR MOUNT VERNON TRAIL*

## *TRAIL REALIGNMENT AND TRI BRIDGE ACCESS AREA - ALTERNATIVE TWO*

- *PROS*
  1. *INCREASE SAFETY AT TRAIL CROSSING*
  2. *ENCOURAGES TRAIL USER TO STAY ON TRAIL*
  3. *DEFINE RIGHT OF AWAY AT TRAIL CROSSING PARKING LOT*
  4. *SEPARATION OF ACTIVITIES AT TRI BRIDGE ACCESS AREA*
  5. *STOP SIGN AT TRAIL CROSSING PARKING LOT WILL SLOW/STOP VEHICULAR TRAFFIC*
  6. *SEPARATION OF PEDESTRIANS AND BIKERS AT NORTH PARKING LOT*
  7. *FOUNTAIN LOCATION CONVENIENT TO ALL USERS*

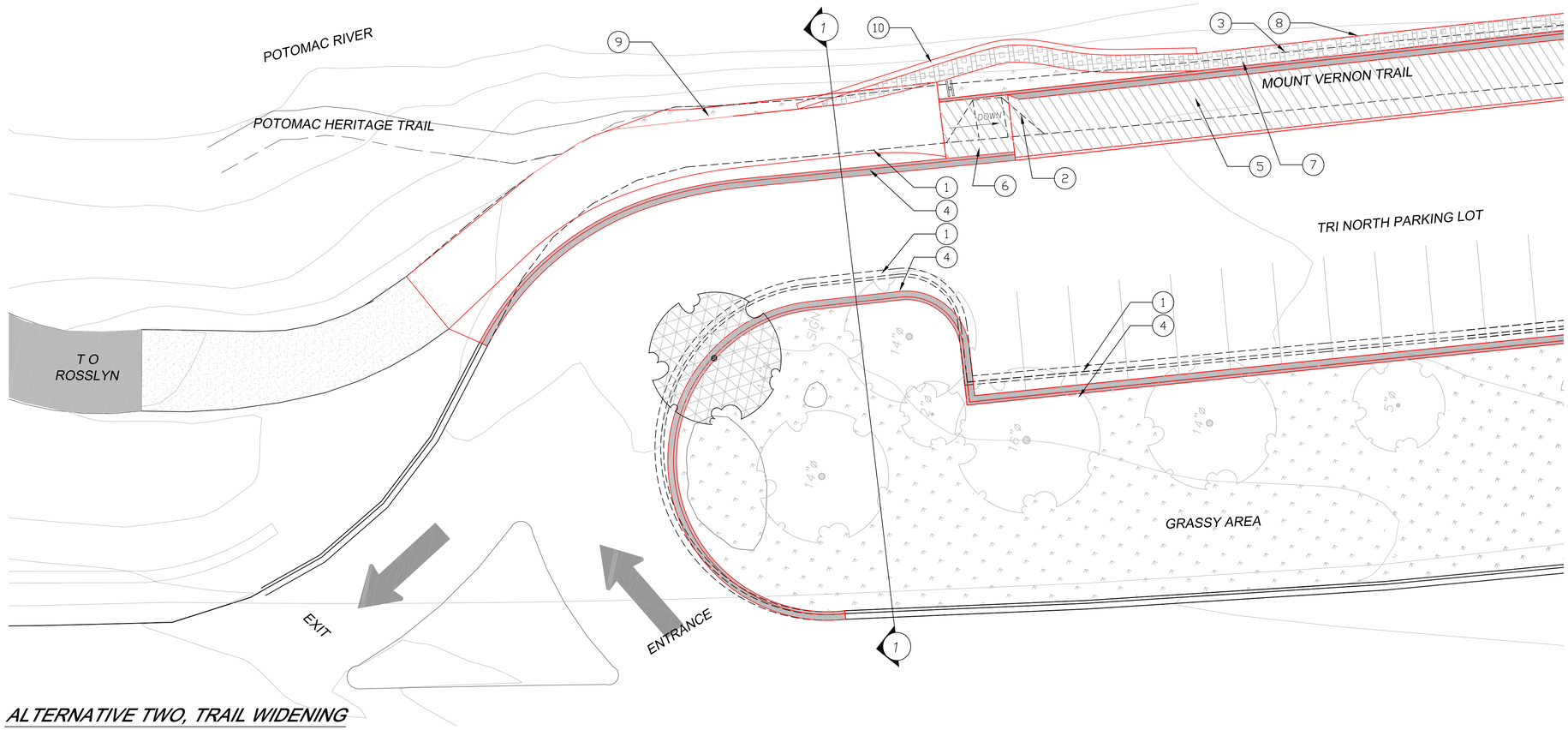
- *CONS*
  1. *TOTAL INCREASE IN IMPERVIOUS PAVEMENT: 701 SF*
  2. *LOSS OF ONE TREE ( 14" DIAMETER)*
  3. *LOSS OF TWO PARKING SPACE*
  4. *TRAIL USERS CROSSING CONFLICT AT THE RAMP AT NORTH PARKING LOT*
  5. *NO SHOULDER EITHER SIDE OF PEDESTRIAN PATH*
  6. *EXTEND STONE WALL TO PROTECT TRAIL USERS ADJACENT TO ROAD*
  7. *TIGHTER CURVE AT TRAIL CROSSING ( 20' RADIUS, BELOW MIN. STANDARD)*




# *ALTERNATIVE TWO*

*MOUNT VERNON TRAIL—HEAD AT THEODORE ROOSEVELT ISLAND*

*A6*



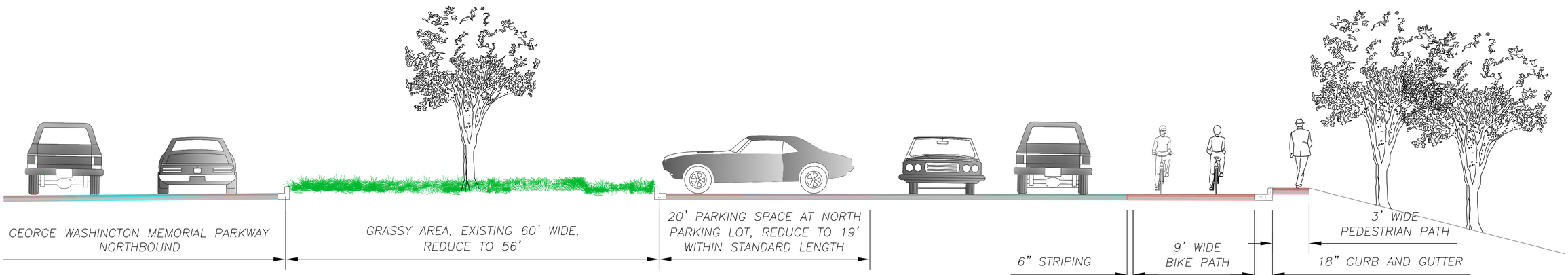

ALTERNATIVE TWO, TRAIL WIDENING

NOTES:

1. EXISTING CURB AND GUTTER
2. EXISTING RAMP
3. EXISTING EDGE OF MOUNT VERNON TRAIL
4. NEW CURB GUTTER
5. 9' WIDE BIKE PATH AT PARKING LOT LEVEL
6. RAMP FROM MOUNT VERNON TRAIL TO BIKE PATH AT PARKING LOT LEVEL
7. 3' WIDE PEDESTRIAN PATH AT MOUNT VERNON TRAIL LEVEL
8. NEW EDGE OF MOUNT VERNON TRAIL
9. 2' WIDE GRASSY SHOULDER
10. RETAINING WALL
11. ISLAND ( GRASSY AREA)
12. DIRECTIONAL/YIELD SIGN

LEGEND

- GRASSY AREA
- CONCRETE CURB AND GUTTER
- MOUNT VERNON TRAIL
- 9' WIDE BIKE PATH
- 3' WIDE PEDESTRIAN PATH
- CONCRETE CURB AND GUTTER TO BE REMOVED
- CONCRETE RAMP TO BE REMOVED
- TREE TO BE REMOVED

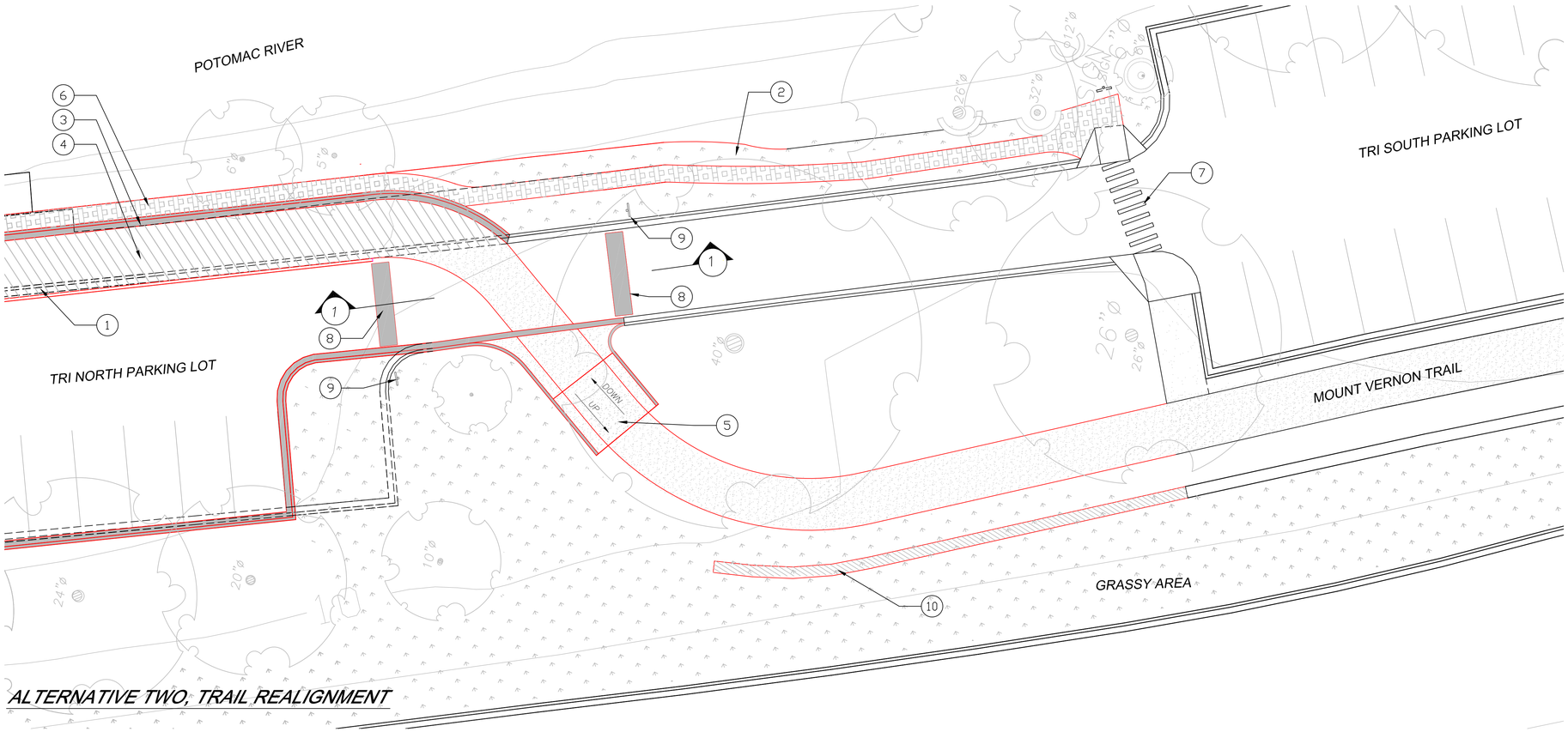



SECTION 1-1 AT TRAIL WIDENING

ALTERNATIVE TWO
TRAIL REALIGNMENT
ENLARGEMENT

MOUNT VERNON TRAIL—HEAD
AT THEODORE ROOSEVELT ISLAND

A7



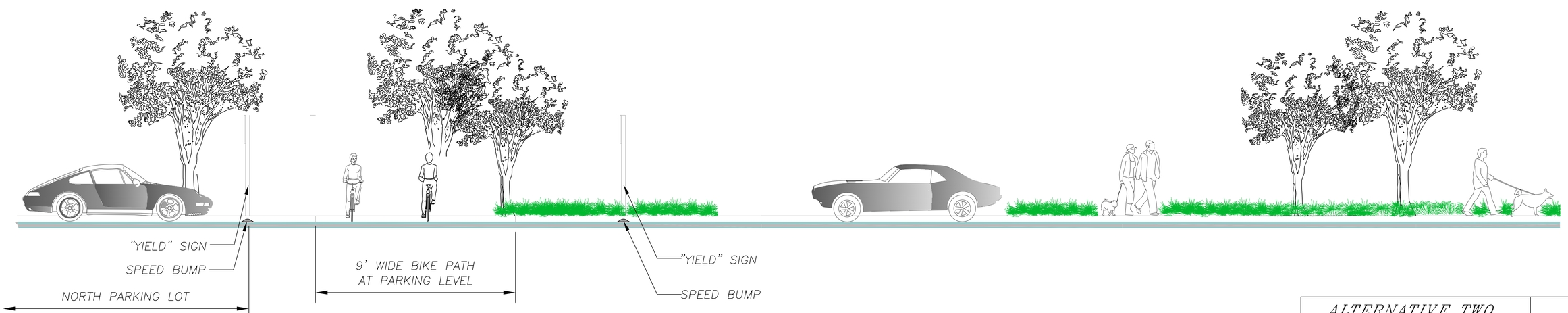

## ALTERNATIVE TWO, TRAIL REALIGNMENT

NOTES:

1. EXISTING CURB AND GUTTER
2. EXISTING EDGE OF MOUNT VERNON TRAIL
3. NEW CURB GUTTER
4. 9' WIDE BIKE PATH AT PARKING LOT LEVEL
5. RAMP UP FROM BIKE PATH AT PARKING LOT LEVEL TO MOUNT VERNON TRAIL
6. 3' WIDE PEDESTRIAN PATH AT MOUNT VERNON TRAIL LEVEL
7. PEDESTRIAN CROSSING
8. SPEED BUMP
9. YIELD SIGN
10. EXTENTION OF EXISTING STONE WALL

LEGEND

- GRASSY AREA
- CONCRETE CURB AND GUTTER
- MOUNT VERNON TRAIL
- 9' WIDE BIKE PATH
- 3' WIDE PEDESTRIAN PATH
- CONCRETE CURB AND GUTTER TO BE REMOVED
- CONCRETE RAMP TO BE REMOVED




## SECTION 1-1 AT TRAIL CROSSING

ALTERNATIVE TWO
TRAIL REALIGNMENT
ENLARGEMENT
MOUNT VERNON TRAIL–HEAD
AT THEODORE ROOSEVELT ISLAND

A8

## *ENTRY TO TRI MEMORIAL*

1. *GATHERING AREA ( STONE PAVER MATCH TO EXISTING PAVER AT ISLAND)*
2. *18" HIGH STONE SEAT WALL ( MATCH TO EXISTING STONE AT ISLAND)*
3. *BIKE PARKING*
4. *DRINKING FOUNTAIN*
5. *REGIONAL TRAIL MAP*
6. *INTERPRETIVE PANEL*
7. *DIRECTIONAL SIGNAGE*
8. *REGULATIONS*
9. *ENTRY SIGN*
10. *REMOVE SHRUBS FOR CLEAR SIGHT LINE*
11. *ADA ACCESS RAMP AND PATH*
12. *EXISTING WAYSIDE TO BE RELOCATED*
13. *WILLOW OAK ( 1 1/2" CALIPER)*
14. *REDBUD ( 1" CALIPER)*

*LEGEND*

- *GRASSY AREA*
- *CONCRETE CURB AND GUTTER*
- *9' WIDE ASPHALT TRAIL*
- *EXISTING ASPHALT TO BE REMOVED*
- *CONCRETE RAMP TO BE REMOVED*

*LOW HEIGHT STONE SEAT WALL WITH CAP AT TRI MEMORIAL TO BE MATCHED*

*PAVERS AT TRI MEMORIAL TO BE MATCHED*

POTOMAC RIVER

TRI SOUTH PARKING LOT

GRASSY AREA

MOUNT VERNON TRAIL

SLOPE UP

SIGN

32"ø

36"ø

22"ø

# *ALTERNATIVE TWO ENTRY TO MEMORIAL ENLARGEMENT*

*MOUNT VERNON TRAIL—HEAD AT THEODORE ROOSEVELT ISLAND*

*A9*

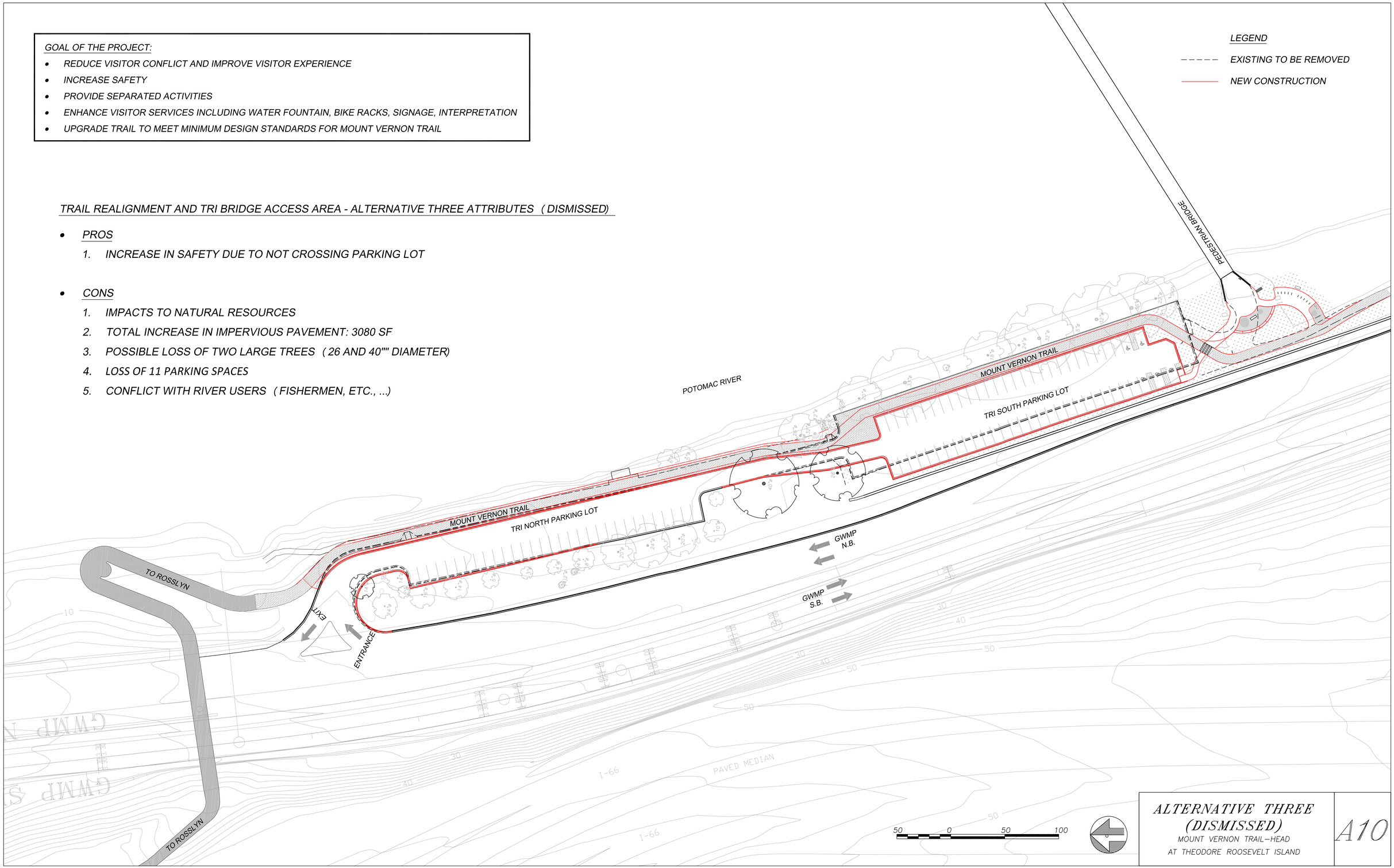
*GOAL OF THE PROJECT:*

- *REDUCE VISITOR CONFLICT AND IMPROVE VISITOR EXPERIENCE*
- *INCREASE SAFETY*
- *PROVIDE SEPARATED ACTIVITIES*
- *ENHANCE VISITOR SERVICES INCLUDING WATER FOUNTAIN, BIKE RACKS, SIGNAGE, INTERPRETATION*
- *UPGRADE TRAIL TO MEET MINIMUM DESIGN STANDARDS FOR MOUNT VERNON TRAIL*

## *TRAIL REALIGNMENT AND TRI BRIDGE ACCESS AREA - ALTERNATIVE THREE ATTRIBUTES ( DISMISSED)*

- *PROS*
  1. *INCREASE IN SAFETY DUE TO NOT CROSSING PARKING LOT*

- *CONS*
  1. *IMPACTS TO NATURAL RESOURCES*
  2. *TOTAL INCREASE IN IMPERVIOUS PAVEMENT: 3080 SF*
  3. *POSSIBLE LOSS OF TWO LARGE TREES ( 26 AND 40"" DIAMETER)*
  4. *LOSS OF 11 PARKING SPACES*
  5. *CONFLICT WITH RIVER USERS ( FISHERMEN, ETC., ...)*




*ALTERNATIVE THREE (DISMISSED)*

*MOUNT VERNON TRAIL—HEAD AT THEODORE ROOSEVELT ISLAND*

*A10*

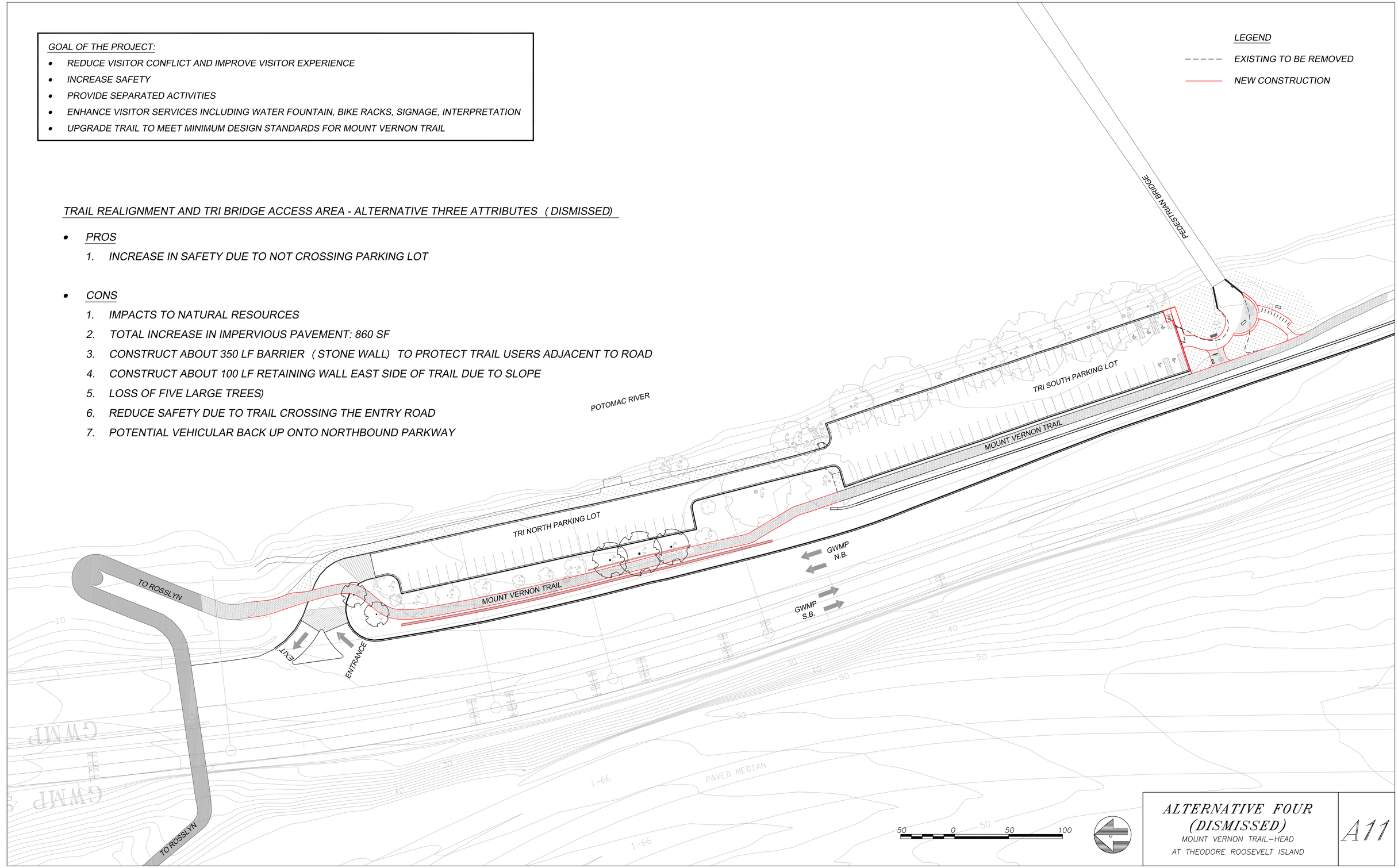
*GOAL OF THE PROJECT:*

- *REDUCE VISITOR CONFLICT AND IMPROVE VISITOR EXPERIENCE*
- *INCREASE SAFETY*
- *PROVIDE SEPARATED ACTIVITIES*
- *ENHANCE VISITOR SERVICES INCLUDING WATER FOUNTAIN, BIKE RACKS, SIGNAGE, INTERPRETATION*
- *UPGRADE TRAIL TO MEET MINIMUM DESIGN STANDARDS FOR MOUNT VERNON TRAIL*

*TRAIL REALIGNMENT AND TRI BRIDGE ACCESS AREA - ALTERNATIVE THREE ATTRIBUTES ( DISMISSED)*

- *PROS*
  1. *INCREASE IN SAFETY DUE TO NOT CROSSING PARKING LOT*

- *CONS*
  1. *IMPACTS TO NATURAL RESOURCES*
  2. *TOTAL INCREASE IN IMPERVIOUS PAVEMENT: 860 SF*
  3. *CONSTRUCT ABOUT 350 LF BARRIER ( STONE WALL) TO PROTECT TRAIL USERS ADJACENT TO ROAD*
  4. *CONSTRUCT ABOUT 100 LF RETAINING WALL EAST SIDE OF TRAIL DUE TO SLOPE*
  5. *LOSS OF FIVE LARGE TREES)*
  6. *REDUCE SAFETY DUE TO TRAIL CROSSING THE ENTRY ROAD*
  7. *POTENTIAL VEHICULAR BACK UP ONTO NORTHBOUND PARKWAY*




*ALTERNATIVE FOUR (DISMISSED)*
*MOUNT VERNON TRAIL–HEAD AT THEODORE ROOSEVELT ISLAND*

A11