



Land Use Planning Division
1600 SE 190th Ave, Ste 116
Portland OR 97233
Ph: 503-988-3043 Fax: 503-988-3389
multco.us/landuse

NSA
ROAD/UTILITY
EXPEDITED
APPLICATION

02/24/2017 9:34AM 000001 #6010
0001 GLORIA
PERMITS-TYPE 2 \$175.00
OR CARD \$175.00

PROPERTY 46701 Historic Columbia River Hwy

Nearest Address Corbett OR 97019 Nearest Cross Street _____

PROPOSED DEVELOPMENT (check all that apply)

- ☐ Road Closure Gates Length _____ Height _____ ft
- ☐ New traffic detection devices, vehicle weighting devices, or signal boxes. (Does not include signs) Size _____ (120 sf max) Height _____ ft (12 ft max)
- ☐ New guardrails, guardrail ends, wire strand or woven wire access control fences.
- ☐ Air, weather, water or similar research & monitoring facility attached to existing structure Size _____ (120 sf max) Height _____ ft (12 ft max)
- ☐ New underground utility facility located inside road, utility, or railroad rights-of-way or previously disturbed easement. Ditch Width _____ (36 in max)
Amount of excavation for non-linear facilities _____ (20 cubic yds. Max)
- ☒ Trail Reconstruction. May include up to 1,000 foot reroute.
- ☐ Decommission non-paved road: Includes ripping road surface, barriers, revegetation
- ☐ Develop new or modify existing aboveground/overhead utility facilities
Size _____ (120 sf max) Height _____ (12 ft. max)
- ☐ Replace existing aboveground/overhead utility facilities in the same location and no more than 15% larger than the existing facilities.
- ☐ New antennas/support structures necessary for public service on existing wireless communication poles and towers if size is minimum necessary to provide the service.
- ☐ Outdoor lights ☒ Other: Some fence replacement

APPLICANT

Name BEN HEDSTROM Phone 503 428 7618
Mailing Address 725 SUMMER ST. NE STE C Fax _____
City SALEM State OR Zipcode 97301 E-mail ben.hedstrom@oregon.gov

OWNER (if work is to occur on private property)

Name OREGON PARKS & RECREATION DEPT. Phone _____
Address (SAME) City _____ State _____ Zipcode _____

I authorize the applicant to make this application.

Property Owner Signature

NOTE: By signing this form, the property owner or property owner's agent is granting permission for Planning Staff to conduct site inspections on the property.

☐ If no owner signature above, a letter of authorization from the owner is required.

For Staff Use

504789
CASE
NUMBER

T2-2017-7084

State ID #

Alt Acct. #

DATE
SUBMITTED

2/24/17

ZONING

GSPR

MCC CITATION
(For Qualifying Use)

Related Case No

Open UR/ZV

By: GP

Work in Road
Right-of-Way

Type:

- ☐ State
☐ County

Permit#

Instructions for applicants:

The checklist below asks you to confirm facts or conditions related to the subject property and your proposal. The numbered paragraphs in bold represent code requirements or criteria for development in the National Scenic Area (NSA). Those criteria are addressed when you check a box below each numbered paragraph. By checking a box, you are confirming that the corresponding statement applies to your project. Staff concurrence is indicated by initials in the boxes along the right column of this form. Please ensure that you check a box under every numbered paragraph or staff will not be able to process this application under the Expedited Review Process.

Scenic Resources

1. Any application involving Interstate 84 must first be reviewed for consistency with the I-84 Corridor Strategy by the ODOT lead I-84 Strategy Team.

☒ This application does not involve Interstate 84. *The I-84 Corridor Strategy does not apply.*

☐ This application does involve Interstate 84. The proposal has been reviewed for consistency with the I-84 Corridor Strategy by the I-84 Strategy Team. *The proposal is consistent with the I-84 Corridor Strategy.*

Staff initial:

KS

**Attach agency
confirmation**

2. The colors of structures topographically visible from key viewing areas shall be dark earth-tones found at the specific site or the surrounding landscape. The specific colors or list of acceptable colors shall be included as a condition of approval. This guideline shall not apply to additions, which may match the color of existing buildings.

☐ The application is for an addition to or modification of an existing structure, or placement of a new structure on land that is not topographically visible from a Key Viewing Area (KVA). The KVA(s) the structure is visible from are _____. The attached site plan illustrates how the structure is topographically screened from these KVA(s). *This criterion has been met.*

Note to applicant: Show on the site plan the location of the terrain feature or landform that screens the structure with arrows identifying the vantage point from which the site is viewed from the KVA(s).

☒ The application is for an addition to or modification of an existing structure, or placement of a new structure on land that is topographically visible from one or more key viewing areas. As shown in the attached color chip and site photograph, the above ground portion of the structure will be dark earth tones that are found at the site or surrounding landscape. *This criterion has been met.*

Staff initial:

U

**See NSA
Handout #4:
Expedited
Development
Review
Process, for
list of KVAs**

Attach plan

**Attach color
chip(s) &
photo(s) of
structure &
surrounding
landscape**

3. Structures topographically visible from key viewing areas shall use low or non-reflective building materials.

☒ The application does not involve a structure that is topographically visible from a key viewing area. *This criterion has been met.*

Staff initial:

U

Recreation Resources

6. The development shall not detract from the use and enjoyment of established recreation sites on adjacent parcels.

Staff initial:

JS

- ☐ The attached site plan labels the uses on adjacent parcels. There is no established recreation site on an adjacent parcel. *This criterion is not applicable.*
- ☒ The attached site plan labels show that the property is adjacent to at least one established recreation site, but does not detract from the use and enjoyment of the site. The proposed development will not generate noise, dust, or odors at levels significant enough to impact the use. Also, the site plan shows that the proposed development would not interfere with access to the adjacent recreation site(s). *This criterion has been met.*

*Label
adjacent
uses on
attached
site plan*

Cultural Resources

7. The expedited development review process shall only be used to review proposed development that does not require a reconnaissance survey or historic survey.

Staff initial:

KS

Note to applicant: If an Indian tribe sends a letter in response to the application indicating that the proposal affects a treaty right or cultural resource, then the application can not be reviewed using the expedited development review process.

Reconnaissance Survey

Proposed development does not require a reconnaissance survey if it meets any of the following (check at least one that applies):

- ☐ Is limited to the modification, expansion, replacement, or reconstruction of existing buildings and structures.
- ☐ Will not disturb the ground (e.g. new overhead wires on existing poles)
- ☒ Occurs on a site that was previously disturbed by human activities where the depth and extent of the grading does not exceed prior ground disturbance.
- ☒ Involves minor ground disturbance, as defined by depth and extent (e.g. fence construction, installation of new meter, etc.)

Width 5' x Length 746' x Depth 6"

Note to applicant: The project will not qualify for expedited review if the Gorge Commission disagrees that the activity results in minor disturbance.

- ☒ Occurs on a site that has been adequately surveyed in the past, or has been identified by the Gorge Commission, USFS Archaeologist, or private archaeologist as having a low probability of containing cultural resources. *This criterion has been met.*

*Show area
and type of
disturbance
on plan*

Attach survey

OPRD Archaeologist
will monitor site
work. BH

- ☐ The application includes structure(s) that are topographically visible from one or more key viewing areas. As shown in the attached samples, the above ground portions of the proposed structure(s) will use low or non-reflective building materials. *This criterion has been met.*

**Attach
building
material
samples**

4. Outdoor lights shall be directed downward and sited, hooded, and shielded such that they are not highly visible from key viewing areas. Shielding and hooding materials shall be composed of non-reflective, opaque materials.

Staff initial:

KS

- ☒ The application does not include outdoor lights. *This criterion is not applicable.*

- ☐ The application includes outdoor lights. As shown in the attached specification sheet, the proposed lights will be hooded and shielded and are composed of non-reflective, opaque materials. A site plan and/or elevation drawings shows the location of the lighting. Based on these drawings the lighting will not be highly visible from key viewing areas. *This criterion has been met.*

**Attach spec
sheet here**

5. Structures within 1/2-mile of a key viewing area and topographically visible from the key viewing area shall be sited, screened and/or designed to achieve the applicable scenic standard (e.g., visual subordination, not visually evident).

Staff initial:

KS

- ☒ The application does not involve a structure that is within 1/2-mile of and topographically visible from a key viewing area. *This criterion is not applicable.*

- ☐ The application includes structure(s) that are within 1/2-mile of and topographically visible from (a) key viewing area(s). As shown on the attached site plan, and exterior architectural elevations or rendered photo, the proposed structure(s) will be sited, screened, and/or designed so that it achieves the standard of: ☐ visual subordination, or ☐ not visually evident

**Attach
elevations or
photo of
structure**

Explain how standard is achieved.

**See NSA
Handout #5:
Designing
for Approval**

This criterion has been met.

Historic Survey

A historic survey is not required for the following activities (check at least one):

- ☐ There are no structures 50 years old or older on the property.
- ☒ There is/are structures 50 years old or older; however, the application does not alter the structure(s), nor does it compromise features of the surrounding area that help define the historic character of the structure(s).
This criterion has been met.

Natural Resources

8. The development is outside buffer zones for wetlands, streams, rivers, ponds, and lakes. This guideline shall not apply to development located inside road, utility or railroad rights-of-way or easements that have been previously disturbed and regularly maintained.

Staff initial:

U

Show rights-of-way or easement boundary on site plan

☐ The proposal is for development located inside road, utility or railroad rights-of-way or easements that have been previously disturbed and regularly maintained. *This criterion is not applicable.*

☒ As shown on the attached site plan, proposed development is outside buffer zones for wetlands, streams, rivers, ponds, and lakes. *The criterion has been met.*

9. The development will not adversely impact sensitive wildlife or plant species or is at least 1,000 feet from known sensitive wildlife areas or sites (excluding sensitive aquatic species, deer winter range, and turkey habitat) and known sensitive plants. This guideline shall not apply to development that does not disturb the ground or is located inside road, utility or railroad rights-of-way or easements that have been previously disturbed and regularly maintained.

Staff initial:

KS

☒ As shown on the attached site plan and confirmed by planning staff, the proposed development is over 1,000 feet from known sensitive wildlife areas or sites (excluding sensitive aquatic species, deer winter range, and turkey habitat) and known sensitive plants. *This criterion has been met.*

☐ The proposed development does not disturb the ground or is inside road, utility or railroad rights-of-way or easements or other areas that have been previously disturbed and regularly maintained. *This criterion is not applicable.*

☐ Although proposed development is within 1,000 feet of a known sensitive wildlife area or site, the Oregon Department of Fish and Wildlife (for GMA lands) or U.S. Forest Service (SMA lands) has determined that the area or site is not active, that development will not compromise the integrity of the wildlife area or site, or that development will not occur during a time of year that the wildlife species are sensitive to disturbance.

See land use staff for agency contacts

☐ Although proposed development is within 1,000 feet of known sensitive plants, a representative of the Oregon Natural Heritage Program or an expert in botany or plant ecology has determined that development will not occur within 200 feet of a sensitive plant species.

Attach agency confirmation

NOTICE OF PRELIMINARY DECISION

In accepting this application for expedited review, the Planning Director is granting preliminary approval of the development. The Gorge Commission, U.S. Forest Service, Indian tribal governments, and property owners within 750 feet of the subject tract will be given 14 days to provide comments. If no comments are received, the decision shall become final at the close of business on the 14th day. If substantive written comments are submitted, the Planning Director will either modify the decision to address the comments and re-issue it for a 14-day appeal period or re-direct the application to full review if comments establish that the proposed development is not eligible for expedited review.

Comments must be directed to the applicable approval criteria. Those in **bold** above are listed in §38.7100 of the County code. Failure to provide comments during the comment period will preclude a right to appeal.

Conditions/Limitations of Approval

1. If, during construction, cultural or historic resources are discovered, the applicant/owner shall immediately cease development activities and inform the Multnomah County Land Use Planning Division, Columbia River Gorge Commission, and the U.S. Forest Service of any discovery pursuant to MCC 38.7045(L) & (M), or MCC 38.7050(H) as applicable. Once halted, construction activities shall not resume until these standards have been satisfied.
2. Approval of this land use permit is based upon the statements made in this application and attached materials. No work shall occur under this permit other than that which is specified in these documents.
3. Development of structures must be commenced within 2 years of the date of this decision, and completed within 2 years of the date of commencement. The property owner may request an extension of either of these timeframes, as provided in MCC 38.0700. Such a request must be made prior to expiration of the permit.

This decision is final at the close of the comment period unless comments are received. If no comments are received, the effective date of the decision is April 25, 2017.

FOR STAFF USE

At close of the comment period (check one that applies):

- ☐ No substantive written comments were received. The decision is final.
- ☐ Substantive written comments were received. The Planning Director will issue a letter addressing the comments and may modify this preliminary decision.
- ☐ Written comments were submitted showing that the proposed development is not eligible for expedited review. The project will be reviewed using the full development review process.

Any comments received are included in the County records for this application.

- ☐ Fill out NSA DR Database Form for Gorge Commission and include copy with file.

Staff initial: _____

Date: _____



Oregon

Kate Brown, Governor

Parks and Recreation Department

725 Summer St. NE, Suite C

Salem, OR 97301-1271

(503) 986-0980

Fax (503) 986-0794

www.oregonstateparks.org



Bridal Veil Falls Accessibility Improvements Project Narrative

Prepared by: Ben Hedstrom, Construction Project Manager
Date: March 29, 2017

This trail project is being submitted for expedited permitting with Multnomah County.

This project was identified in the 2015 OPRD Gorge Management Units Plan as a priority due to the lack of short, family friendly, accessible loop trails with views of the Columbia River and native habitat including Camas present here. This project aims to improve the bluff trail at Bridal Veil Falls to meet American Barrier Access (ABA) standards, slightly regrading and re-routing the trail to lower slopes. Most of the existing asphalt trail will be repaired and resealed, while also expanding it 1' (6" on each side in most areas) to meet ABA standards of 60" for passing. Please refer to attached design drawings and images.

Two areas will be re-routed to reduce grade to under 5%. One area, across the existing culvert will require fill (gravel and gabion) to reduce grade. These areas have been designed to be considerate of natural resources present on site, including camas meadow and seasonally wet areas.

In addition to trail improvements this project aims to improve visitor experience on the trail by reducing redundant trail and allowing for restoration along the bluffs improving accessible examples of natural native habitat. Maintenance is needed on the existing fence. This project also proposes replacing the existing post and rail fence along the bluffs. In some areas the fence will be relocated to keep trail users from getting too close to the bluff edge and discouraging access to native habitats. On the western most bluff, asphalt will be removed around a mature oak and the fence will be brought inward, reducing trail that doesn't meet ABA standard and preserving a pastoral viewshed around the oak. The center bluff trail spur will be removed from the trail system as the views are less quality than the other two and the existing grade doesn't meet ABA standard. This area will be restored with native grasses and shrubs after construction in Fall 2017. The fence at the eastern most bluff will be brought in away from the bluff, as the current trail goes off of OPRD property.

Minor trailhead proposals improve circulation around the restroom and add seating and bike support fixtures (pump, rack and tools for minor repairs). Native plantings will occur in Fall 2017.


OPRD Botanist: "Per conversation with project manager, the limit of work line in the construction drawings associated with the project at time of this approval will be reduced to the minimum practicable extent along existing path as it abuts the camas meadow. Anticipated limit of work line will be within approximately 1-1.5' of the existing asphalt. The trail will not be widened in the seasonally wet area in the southwest quadrant of the project area to the southeast of the new trail diversion alignment. This seasonally wet area may or may not be wetland, but since no work is planned in that area, there will be no wetland impacts."

Bridal Veil Falls State Park Aerial

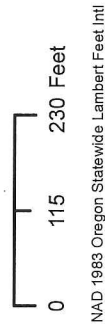
Oregon Parks & Recreation Dept.
725 Summer St. NE, Suite C
Salem OR, 97301



Legend

 Approximate Park Boundary

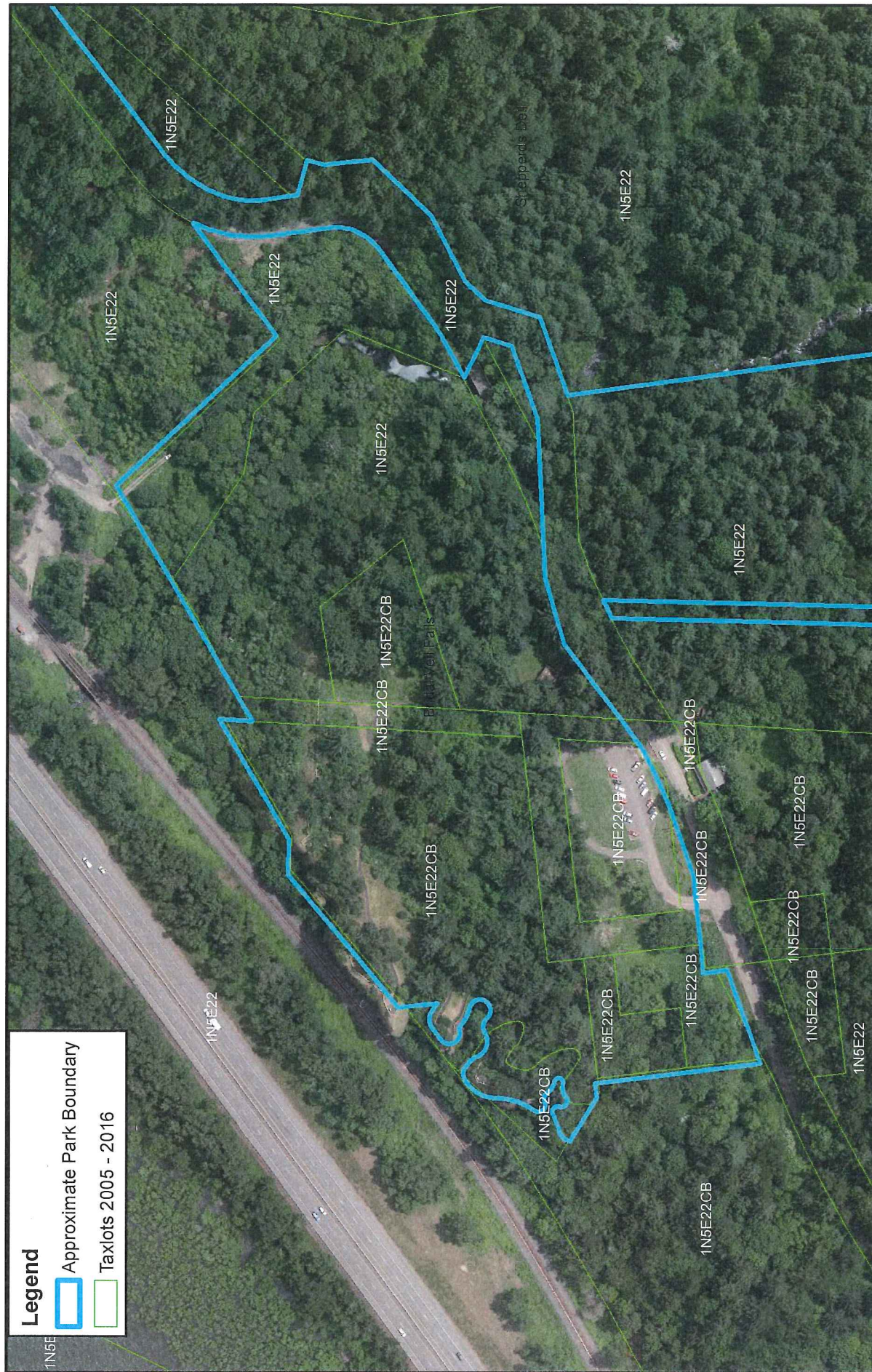
This product is for informational purposes and may not have been prepared for, or be suitable for, legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



NMOB-03294 2/23/2017
E:2/23/2017
P:never
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Bridal Veil Falls State Park Taxlot

Oregon Parks & Recreation Dept.
725 Summer St. NE, Suite C
Salem OR, 97301



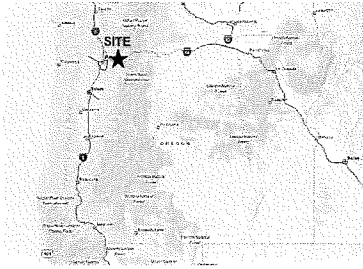
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

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NMOB-03294 2/23/2017
E:2/23/2017
P:never
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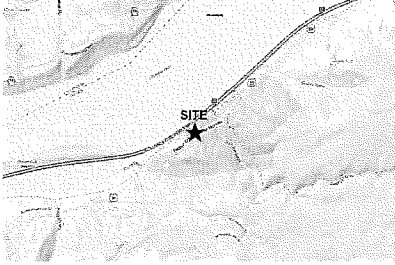
AREA MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE



SITE LOCATION

APPROXIMATE GEODETIC COORDINATES
45°33'15.98"N
122°11'1.81"W

STATEWIDE LAND SURVEYING SITE CONTROL

Point#	Northing	Easting	Elevation	Description
BRIDAL	692387.50	7771011.75	178.40	SET 1/2" IR RPC STATEWIDE CONT
VEIL	692274.70	7770875.43	178.22	SET 1/2" IR RPC STATEWIDE CONT

SCALE: 1"=40'



HORIZONTAL DATUM

NAD 83/2011 EPOCH 2010.0000 OREGON STATE PLANE
NORTH ZONE 3601 WITH UNITS IN INTERNATIONAL FEET.
COMBINED SCALE FACTOR 1.000069888
CONVERGENCE -1°13'23.27323"
LATITUDE: 45°33'15.98"N
LONGITUDE: 122°11'1.81"W

VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM OF 1988

NOTES

1) CONTOURS ARE AT 1' INTERVALS AND ARE COMPUTER GENERATED.

LEGEND

CB = CATCH BASIN
CMP = CORRUGATED PIPE
I.E. = INVERT ELEVATION
ELEV. = ELEVATION
B = ELECTRIC METER ON BUILDING
H = HANDI CAP PARKING
P = POWER POLE
W = WATER VALVE

EXISTING ASPHALT
EXISTING DIRT PATH
EXISTING CONCRETE

DP = OVERHEAD LINE (TYPE UNKNOWN)

TREES

CONIFER TREE WITH SIZE AT BREAST HEIGHT
DECIDUOUS TREE WITH SIZE AT BREAST HEIGHT

SURVEYED FOR

OREGON PARKS AND RECREATION DEPARTMENT
725 N.E. SUMMER STREET
SALEM OREGON 97301



CONDITIONS SURVEY

A PORTION OF OREGON PARKS AND RECREATION DEPARTMENT
BRIDAL VEIL STATE SCENIC VIEWPOINT

A TRACT OF LAND SITUATED IN THE NORTHWEST QUARTER OF SECTION 22,
TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE WILLAMETTE MERIDIAN,
MULTNOMAH COUNTY, STATE OF OREGON.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 29, 1988
GREGORY D. SPURLOCK
2370

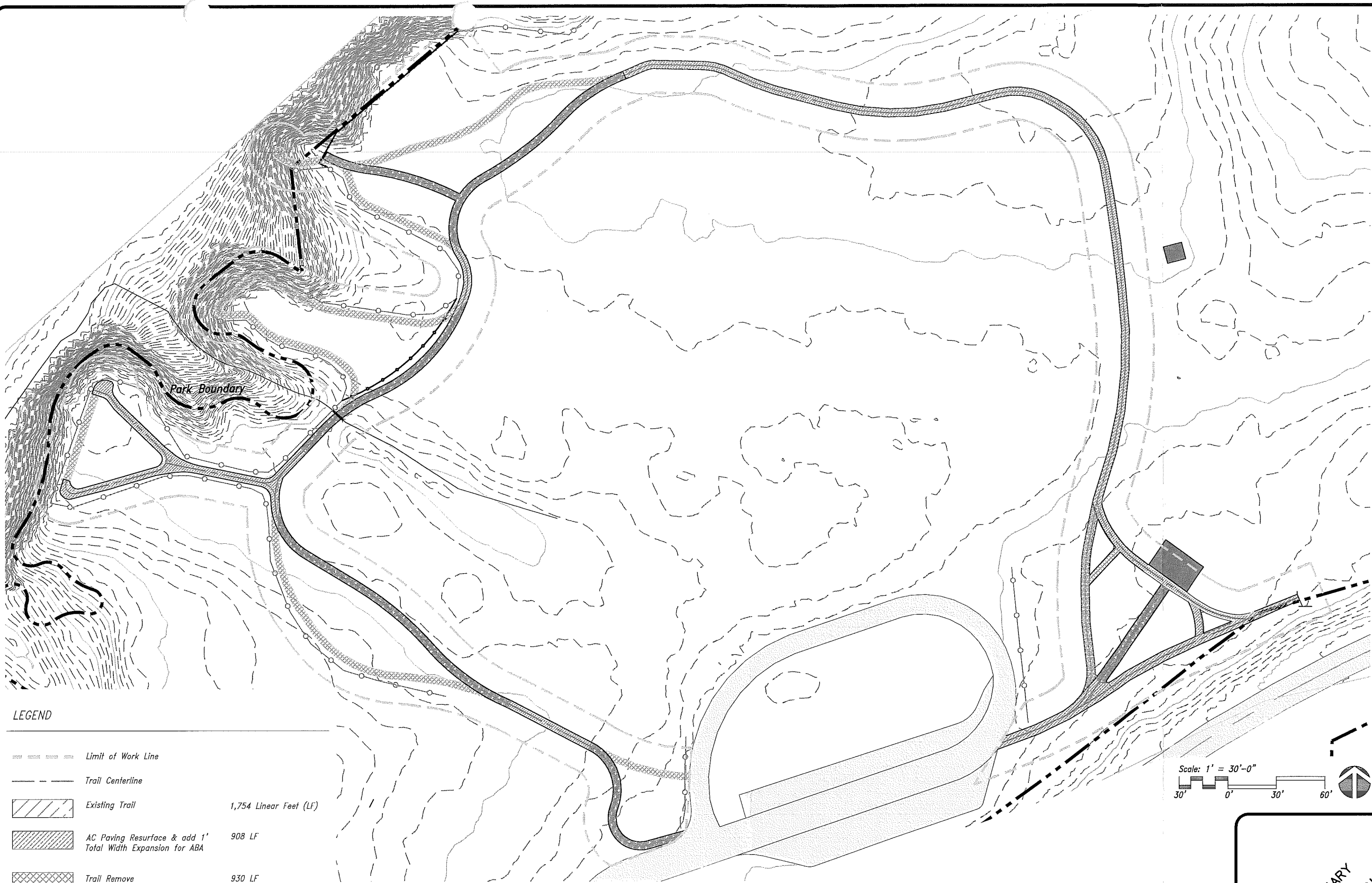
EXPIRES: 06/30/16

DRAWING REVISED JUNE 1, 2016

STATEWIDE LAND
SURVEYING INC.

DRAWN K.D.C.	DATE 5/12/2016	43 NW AVA AVENUE GRESHAM, OR 97030
CHECKED G.D.S.	DATE 5/12/2016	(P) 503.665.7988 (D) 503.665.7777
SCALE 1" = 40'	SHEET 1 OF 1	PROJECT NO. 2016-97

2/23/2017 5:33 PM - O:\P&P\DOCS\IPS\Park\Gorge\Trail Services\31931 Bridal Veil Overlook Trail\Design\CAD\BF-31931-CONSTR-PLAN_CORRECT.dwg - NMOB



LEGEND

	Limit of Work Line	
	Trail Centerline	
	Existing Trail	1,754 Linear Feet (LF)
	AC Paving Resurface & add 1' Total Width Expansion for ABA	908 LF
	Trail Remove	930 LF
	New Trail Construction	746 LF
	Remove Asphalt & Replace with Compacted Aggregate	108 LF
	New Fence	223 LF
	Existing Culvert	

Scale: 1" = 30'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

REVISION
DATE
BY

APPROVED BY
BH

CHECKED BY
BH

DESIGNED BY
BB, BH

DRAWN BY
BB

02/23/2017
DATE

OREGON STATE PARKS

Nature
HISTORY
Discovery

TRAIL PLAN – ACCESSIBILITY IMPROVEMENTS
ABA TRAIL IMPROVEMENTS
BRIDAL VEIL FALLS STATE PARK

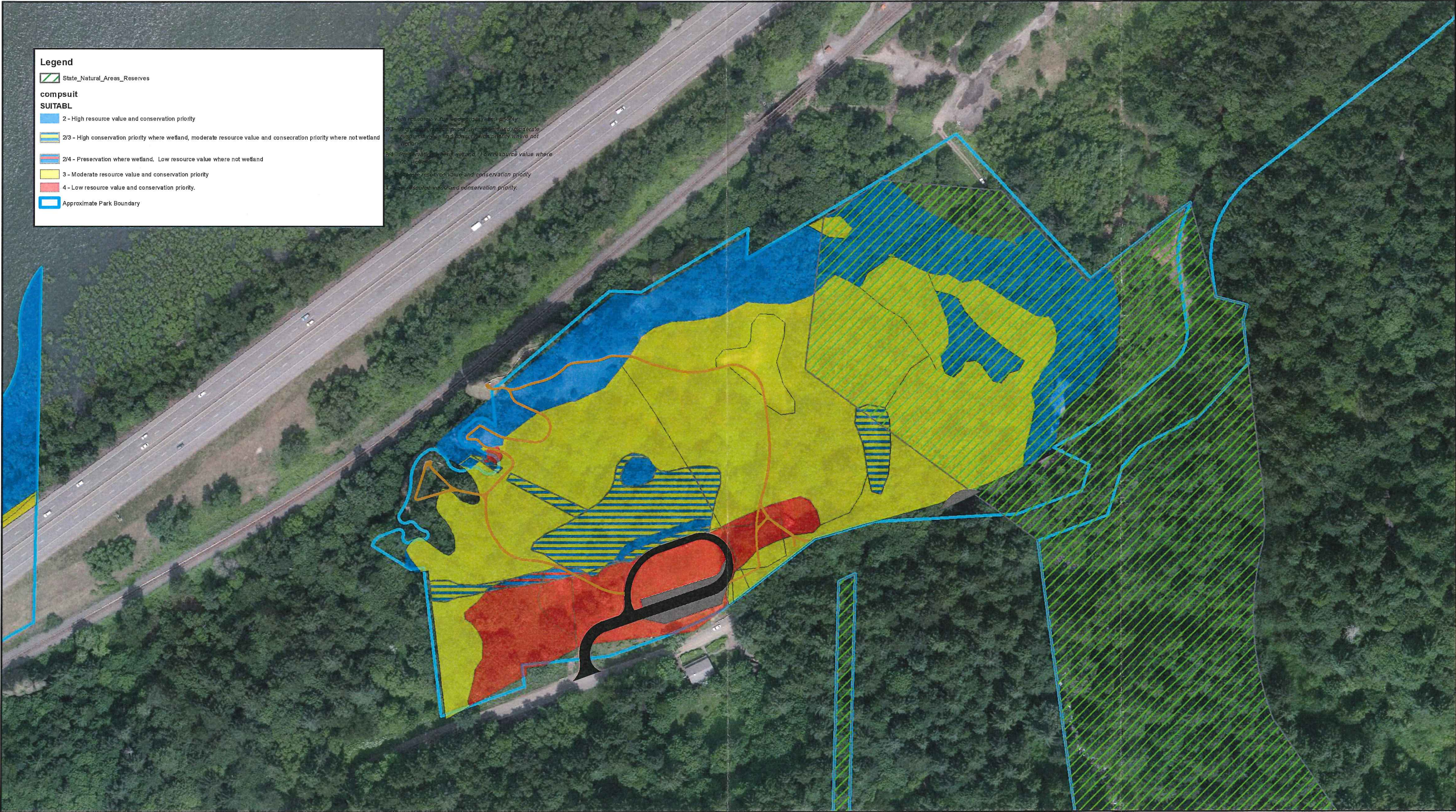
OREGON PARKS AND RECREATION DEPARTMENT

SHEET:
L-100 OF 1

OPRES#
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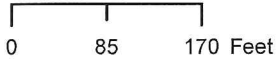
CONTRACT #
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Bridal Veil Falls Composite Natural Resource Values (Botanical and Wildlife)

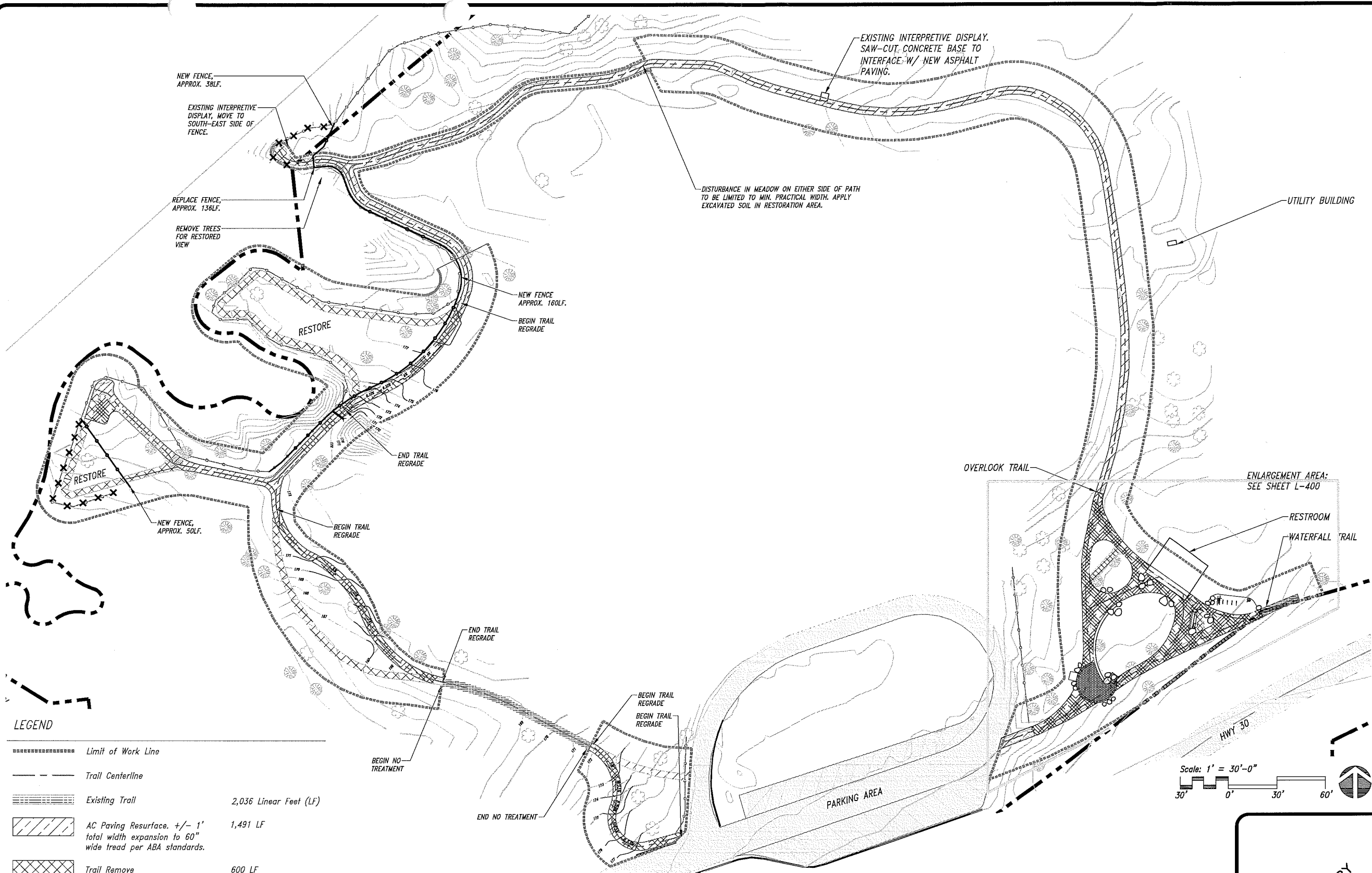


This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

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LEGEND

-----	Limit of Work Line	
-----	Trail Centerline	
=====	Existing Trail	2,036 Linear Feet (LF)
=====	AC Paving Resurface, +/- 1' total width expansion to 60" wide tread per ABA standards.	1,491 LF
=====	Trail Remove	600 LF
=====	New Trail Construction	446 LF
=====	Paver surface	725 SF
○	Boulder	29 EA.
●	Existing Tree (Protect in Place)	
×	Remove Fence	96 LF

LEGEND

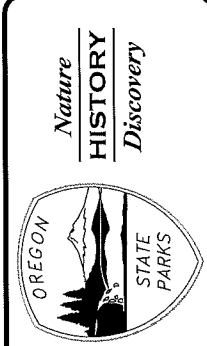
-----	Replace Fence	136 LF
-----	New Fence	248 LF
=====	Existing Culvert	1 EA.

Scale: 1" = 30'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

REVISION	DATE	BY

APPROVED BY	BH
CHECKED BY	BH
DESIGNED BY	BB, BH
DRAWN BY	BB
DATE	02/23/2017



TRAIL PLAN - ACCESSIBILITY IMPROVEMENTS
ABA TRAIL IMPROVEMENTS
BRIDAL VEIL FALLS STATE PARK
OREGON PARKS AND RECREATION DEPARTMENT

SHEET:	L-100 OF 1
CONTRACT #:	####

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GENERAL NOTES

- Trail type station locations approximate and subject to field verification.
- Existing conditions are based on Lidar and aerial photography. All utility locations and potential construction conflicts shall be field verified.
- Subgrade inspection is required prior to laying asphalt. To be conducted by PM unless otherwise noted.
- Finish surface to be 2% outslope throughout trail, unless otherwise noted.
- Finish surface to be 60" wide from trailhead/restroom to finish of Overlook Trail loop, unless otherwise noted.
- Asphalt edge of trail shall have 6" min. apron of 3/8" minus aggregate unless otherwise noted.
- Minimize root damage. When necessary to remove roots, excavate surrounding soils and clean cut through root. Do not rip or break roots.
- Tie all new fence into existing fence at post. Maintain post and fence heights as well as spacing above finish surface. Replace tie-in fence post as necessary.
- Trail Centerline regrade section to match line and grade of areas no regraded.
- LOW area is defined by trail corridor. Any disturbance of existing trail used to access trail work area location is to be rehabilitated to pre-construction conditions. Any disturbance of soil and/or vegetation outside LOW must be rehabilitated to pre-construction conditions.
- Rehabilitate and revegetate all areas of disturbance along trail corridor w/in LOW and as needed from equipment access disturbance.
- Erosion and sediment control BMP's to be implemented prior to start of construction and field verified by PM. Removal of BMP's TBD by PM upon completion of construction.

PRELIMINARY
NOT FOR
CONSTRUCTION

APPROVED BY
BH

CHECKED BY
BH

DESIGNED BY
BB

DRAWN BY
BH


DATE
02/23/2017

BY

DATE

REVISION

Nature
HISTORY
Discovery



TRAIL PLAN – ACCESSABILITY IMPROVEMENTS
ABA TRAIL IMPROVEMENTS
BRIDAL VEIL FALLS STATE PARK

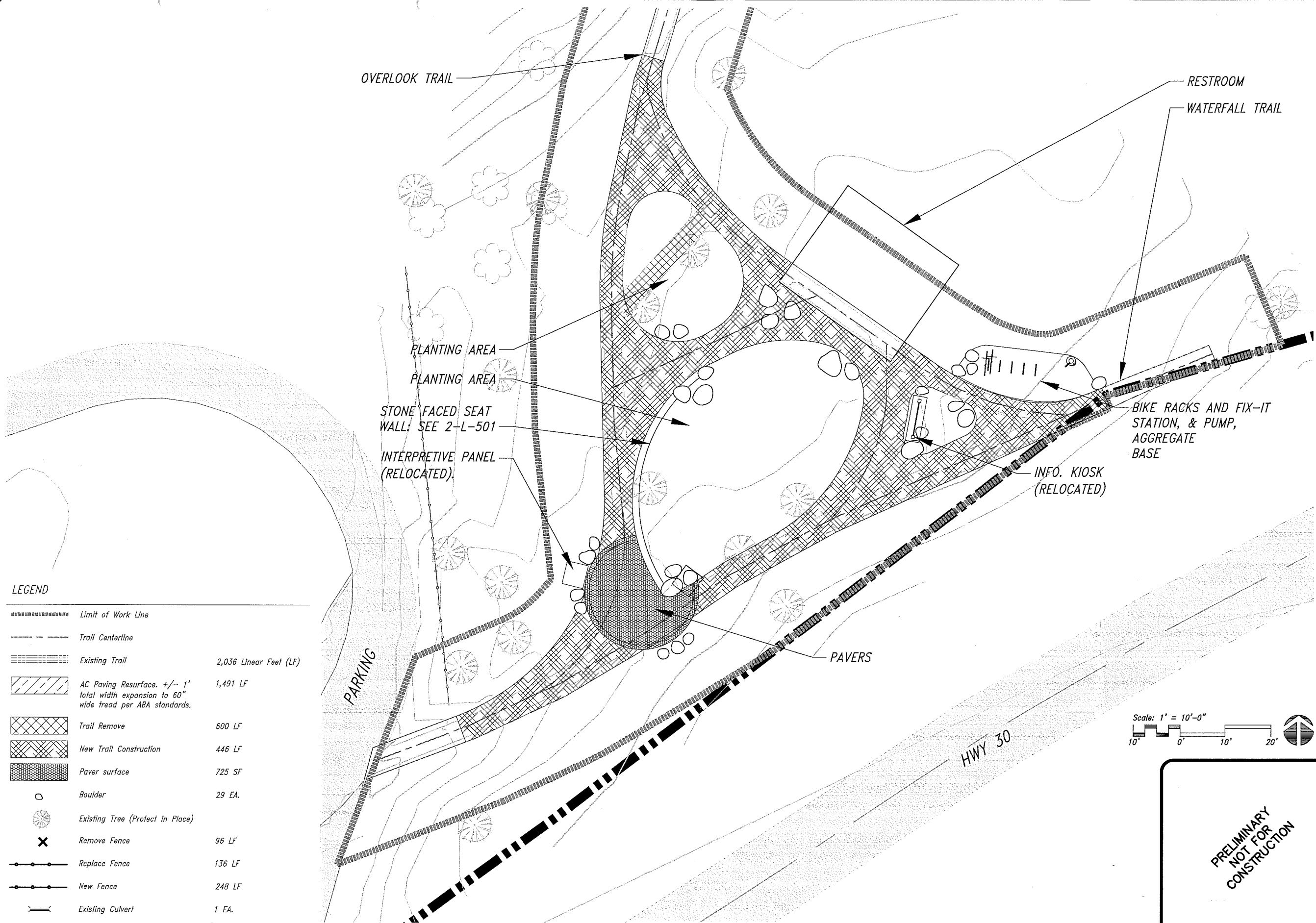
OREGON PARKS AND RECREATION DEPARTMENT

SHEET:
L-000 OF 1

OPR:###

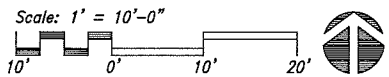
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LEGEND

	Limit of Work Line	
	Trail Centerline	
	Existing Trail	2,036 Linear Feet (LF)
	AC Paving Resurface, +/- 1' total width expansion to 60" wide tread per ABA standards.	1,491 LF
	Trail Remove	600 LF
	New Trail Construction	446 LF
	Paver surface	725 SF
	Boulder	29 EA.
	Existing Tree (Protect in Place)	
	Remove Fence	96 LF
	Replace Fence	136 LF
	New Fence	248 LF
	Existing Culvert	1 EA.



PRELIMINARY
NOT FOR
CONSTRUCTION

APPROVED BY
BH

CHECKED BY
BH

DRAWN BY
BB

DATE

BY

Nature
HISTORY
Discovery

TRAIL PLAN - ACCESSIBILITY IMPROVEMENTS
ABA TRAIL IMPROVEMENTS
BRIDAL VEIL FALLS STATE PARK

OREGON PARKS AND RECREATION DEPARTMENT

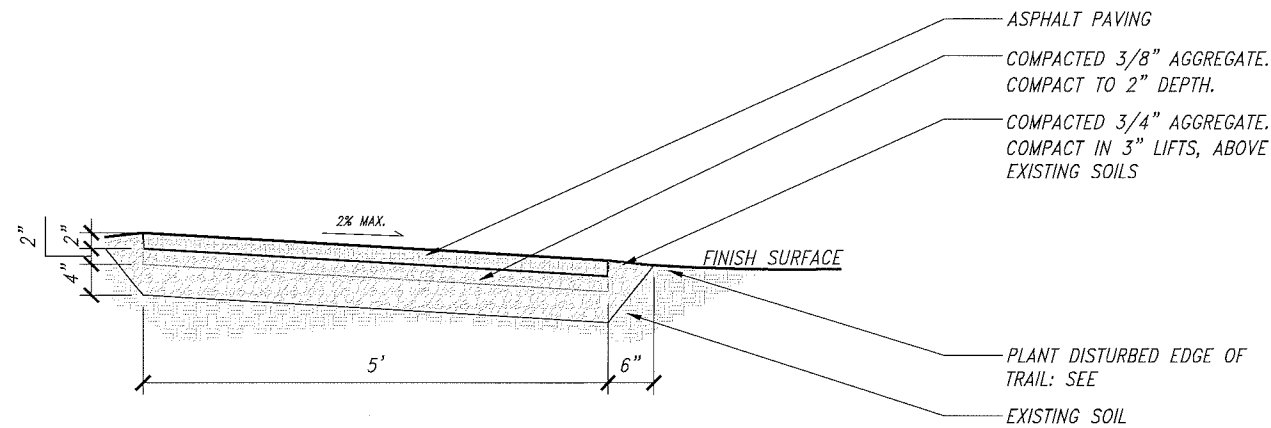
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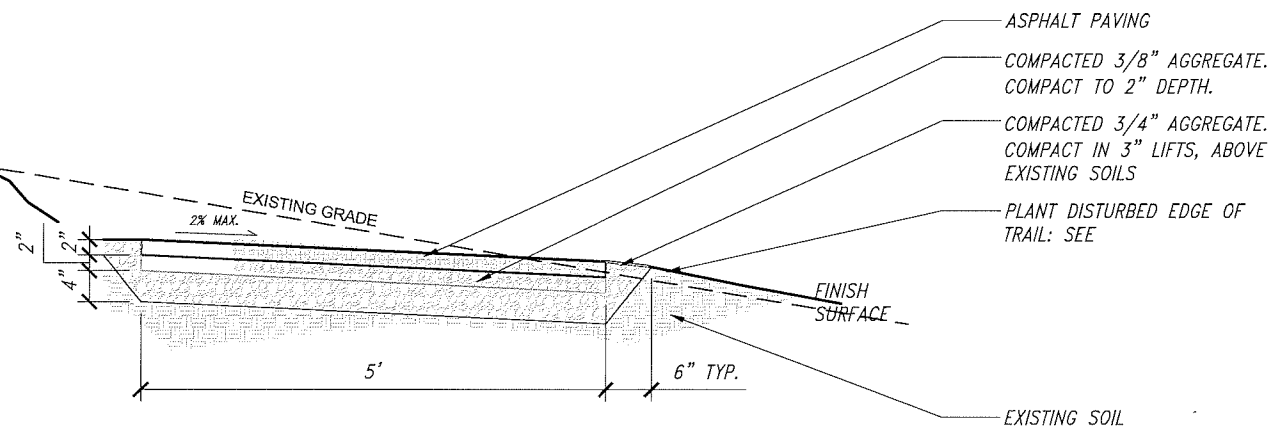
3/23/2017 4:40 PM - O:\P&DOCs\PS\Park\Trail Services\31931 Bridal Veil Overlook Trail\Design\CAD\DETAILS\BF-DETAILS.dwg - NMOB

- NOTES:
1. PAVED TRAIL GRADE TO BE 2% MAX. OUTSLOPED (UNLESS OTHERWISE SPECIFIED).
 2. REMOVE ALL BERMS FROM TRAIL EDGE TO FACILITATE PROPER DRAINAGE.
 3. BUFFER PAVEMENT EDGE W/ 3/4" MINUS AGGREGATE, 6" ON EACH SIDE.

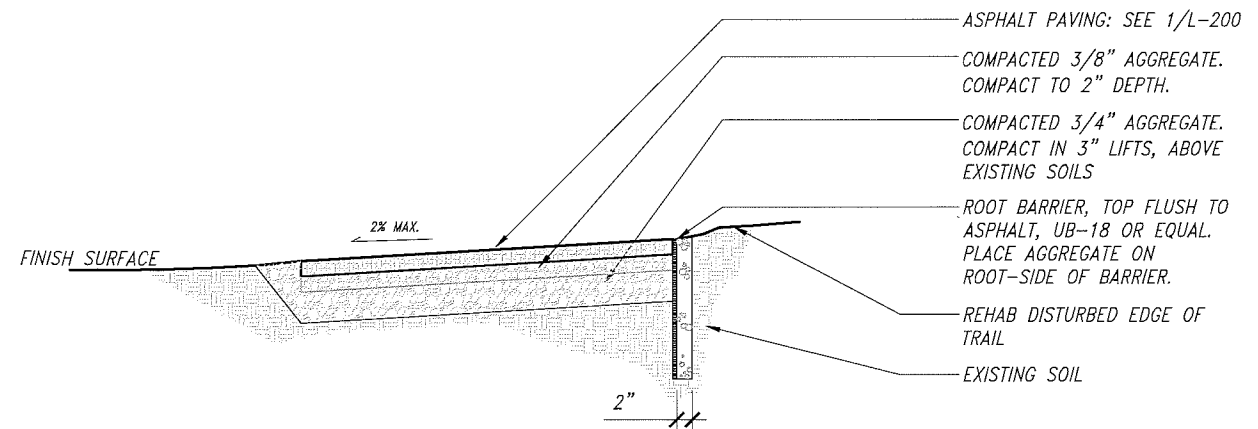


1 TRAIL TYPE A - NEW ASPHALT ON FLAT SURFACE
SCALE: 1"=1'-0"

- NOTES:
1. PAVED TRAIL GRADE TO BE 2% MAX. OUTSLOPED (UNLESS OTHERWISE SPECIFIED).
 2. REMOVE ALL BERMS FROM TRAIL EDGE TO FACILITATE PROPER DRAINAGE.
 3. BUFFER PAVEMENT EDGE W/ 3/4" MINUS AGGREGATE, 6" ON EACH SIDE.



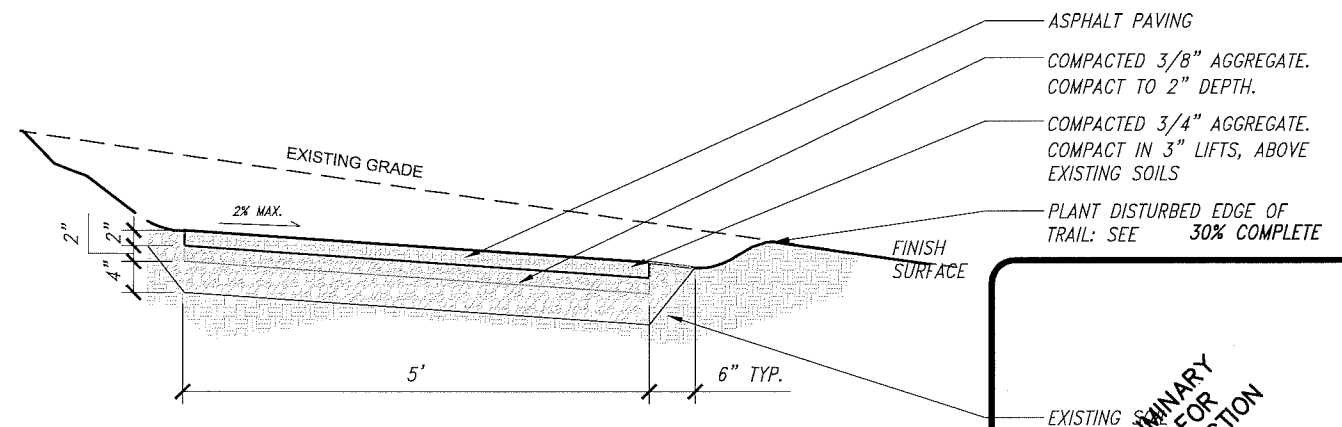
2 TRAIL TYPE C - NEW ASPHALT ON SLOPE
SCALE: 1"=1'-0"



- NOTES:
1. ROOT BARRIER SHALL BE MINIMUM OF 18" DEEP.
 2. ROOT BARRIER SHALL BE FASTENED SECURELY TOGETHER PER MANUFACTURES SPECIFICATIONS.
 3. REMOVE ALL BERMS FROM TRAIL EDGE TO FACILITATE PROPER DRAINAGE.

3 TRAIL TYPE D - ROOT BARRIER
SCALE: 1"=1'-0"

- NOTES:
1. PAVED TRAIL GRADE TO BE 2% MAX. OUTSLOPED (UNLESS OTHERWISE SPECIFIED).
 2. REMOVE ALL BERMS FROM TRAIL EDGE TO FACILITATE PROPER DRAINAGE.
 3. BUFFER PAVEMENT EDGE W/ 3/4" MINUS AGGREGATE, 6" ON EACH SIDE.

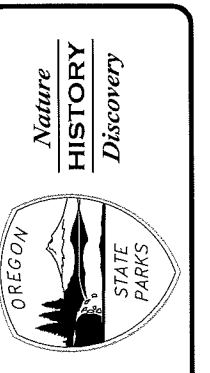


4 TRAIL TYPE C - NEW ASPHALT CUT SLOPE
SCALE: 1"=1'-0"

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CONSTRUCTION

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APPROVED BY	CHECKED BY	DESIGNED BY	DRAWN BY	DATE
				FEB 2017

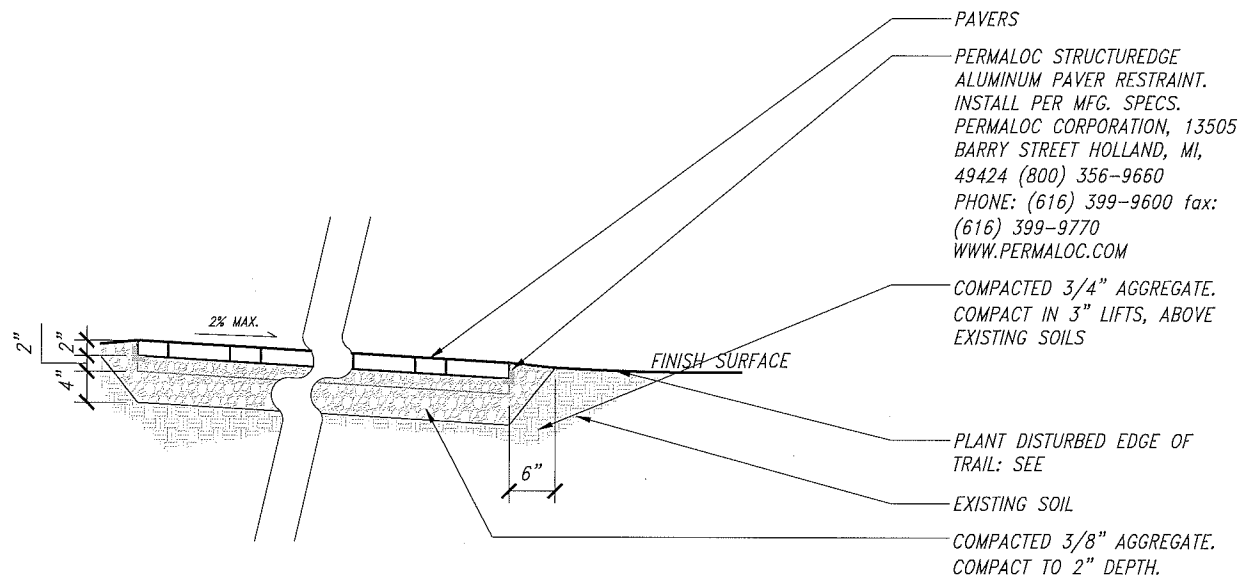


TYPICAL DETAILS
LATOURELL FALLS - LOWER FALLS TRAIL
GUY W. TALBOT STATE PARK
OREGON PARKS AND RECREATION DEPARTMENT

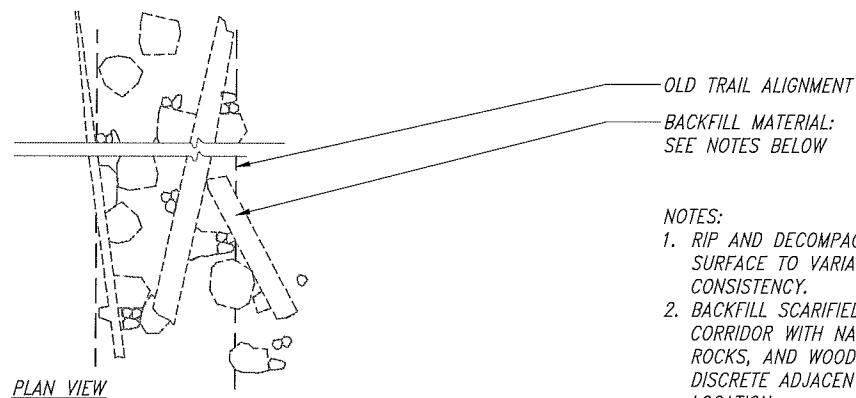
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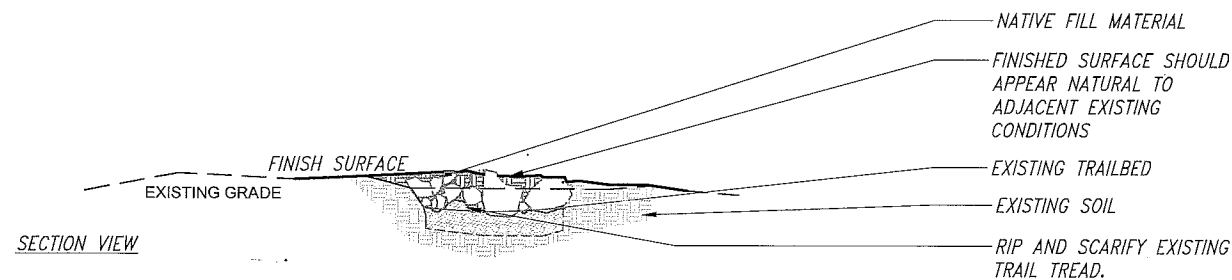
- NOTES:
1. PAVER GRADE TO BE 2% MAX. OUTSLOPED (UNLESS OTHERWISE SPECIFIED).
 2. REMOVE ALL BERMS FROM TRAIL EDGE TO FACILITATE PROPER DRAINAGE.
 3. BUFFER PAVER EDGE W/ 3/4" MINUS AGGREGATE, 6" ON EACH SIDE WHERE NOT ADJACENT ASPHALT.



1 PAVERS
SCALE: 1"=1'-0"

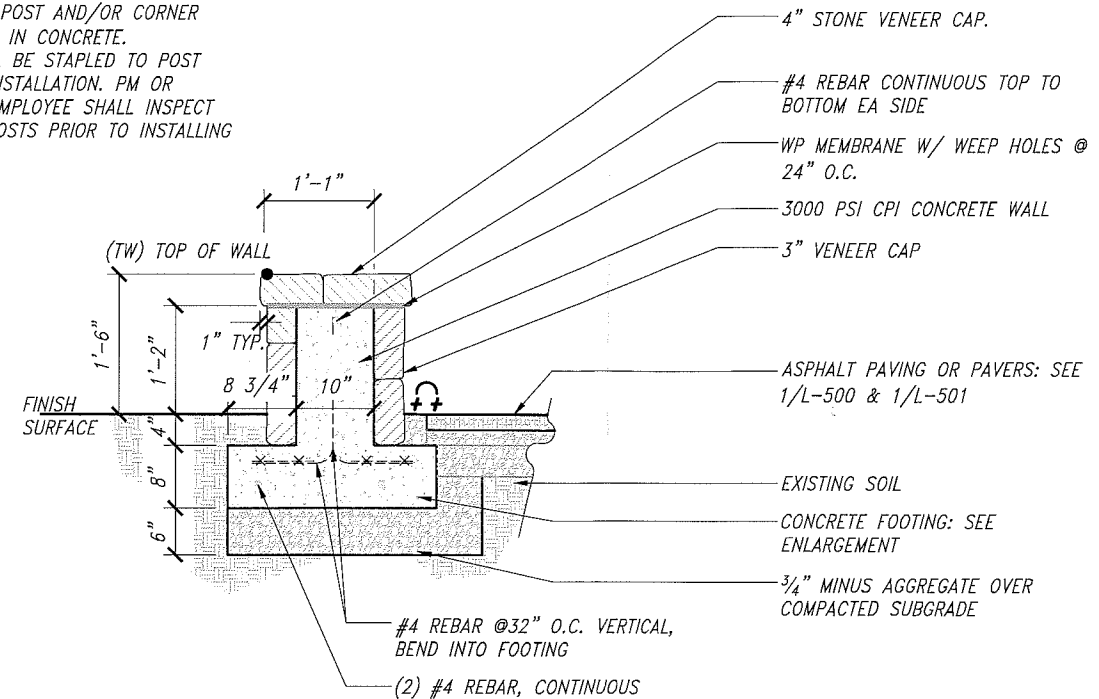


- NOTES:
1. RIP AND DECOMPACT EXISTING TRAIL SURFACE TO VARIABLE HEIGHT AND CONSISTENCY.
 2. BACKFILL SCARIFIED TRAIL CORRIDOR WITH NATIVE SOIL, ROCKS, AND WOODY DEBRIS FROM DISCRETE ADJACENT ONSITE LOCATION.



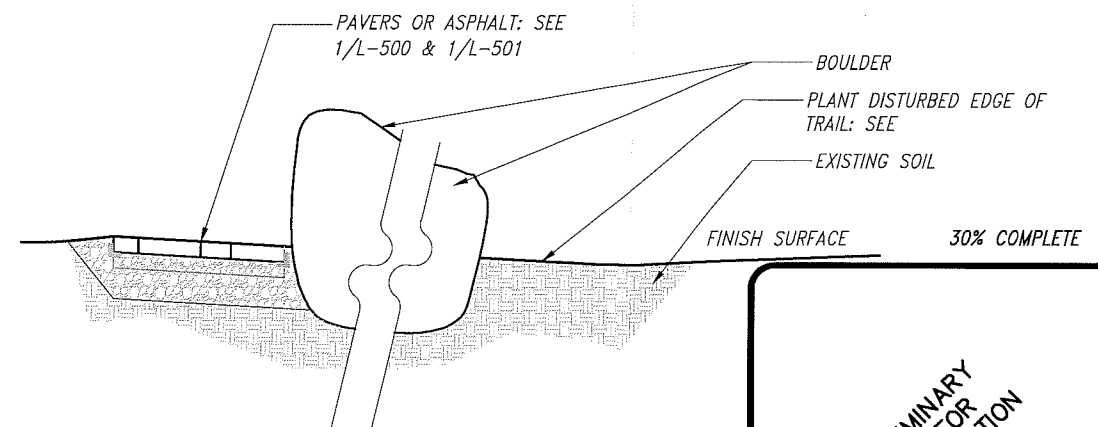
2 TRAIL DEMOLITION AND GRADE REHABILITATION
SCALE: 1"=1'-0"

- NOTES:
1. POSTS SHALL BE SPACED EIGHT LF (8LF) APART O.C. AND BURIED 1/3 TOTAL LENGTH.
 2. EVERY THIRD (3RD) POST AND/OR CORNER POST SHALL BE SET IN CONCRETE.
 3. LINK FENCING SHALL BE STAPLED TO POST PRIOR TO RAILING INSTALLATION. PM OR DESIGNATED OPRD EMPLOYEE SHALL INSPECT LINK FENCING ON POSTS PRIOR TO INSTALLING RAILINGS.



3 SEATWALL
SCALE: 1"=1'-0"

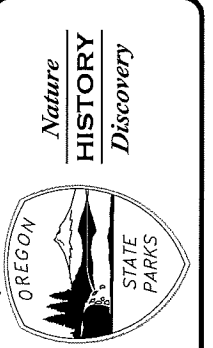
- NOTES:
1. BOULDER TO BE SET 1/3 BELOW FINISH SURFACE, 2/3 ABOVE FINISH SURFACE.
 2. REMOVE ALL BERMS FROM BOULDER EDGE.
 3. SMOOTH SOIL FINISH SURFACE EDGE WITH BOULDER TO LOOK NATURAL.
 4. FOR ASPHALT SETTING, BUFFER BOULDER/ASPHALT EDGE W/ 3/4" MINUS AGGREGATE.



4 BOULDER SETTING
SCALE: 1"=1'-0"

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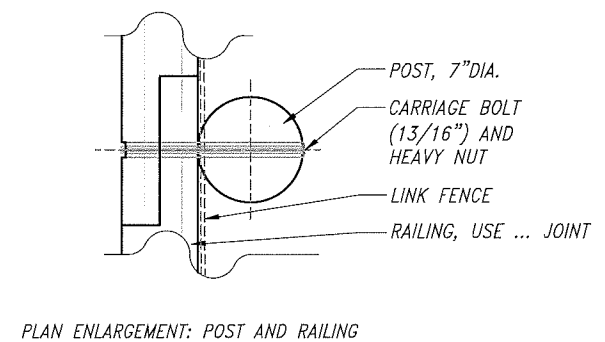
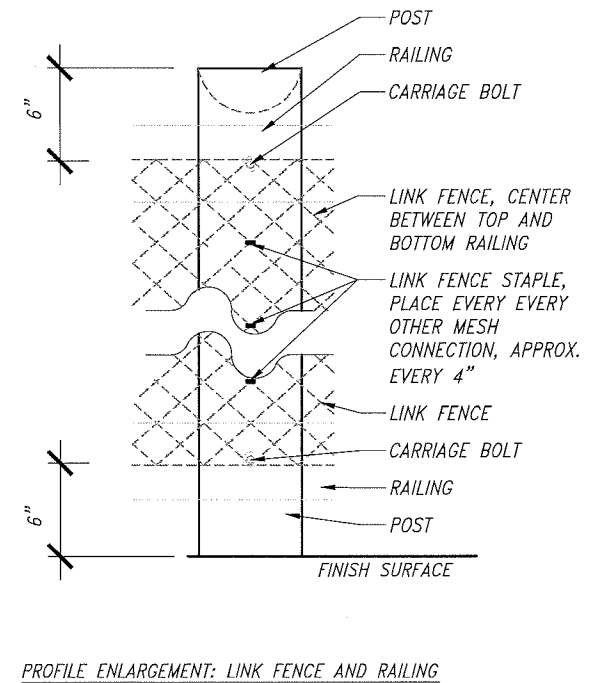
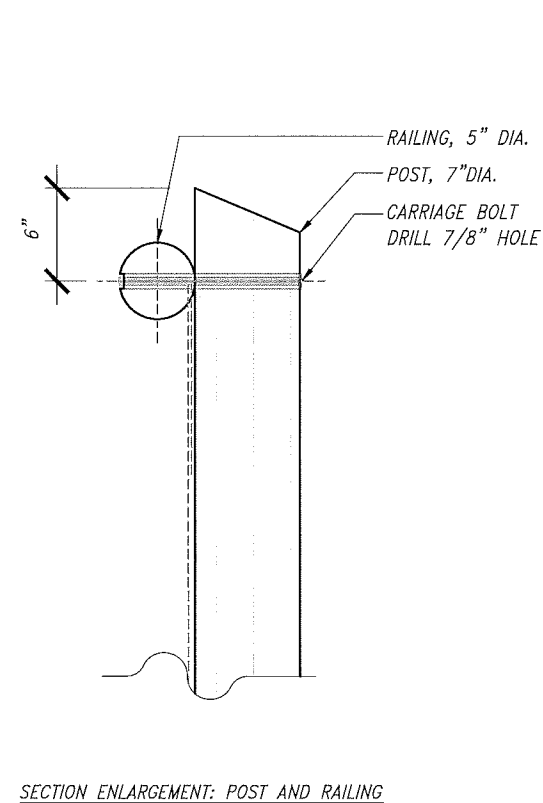
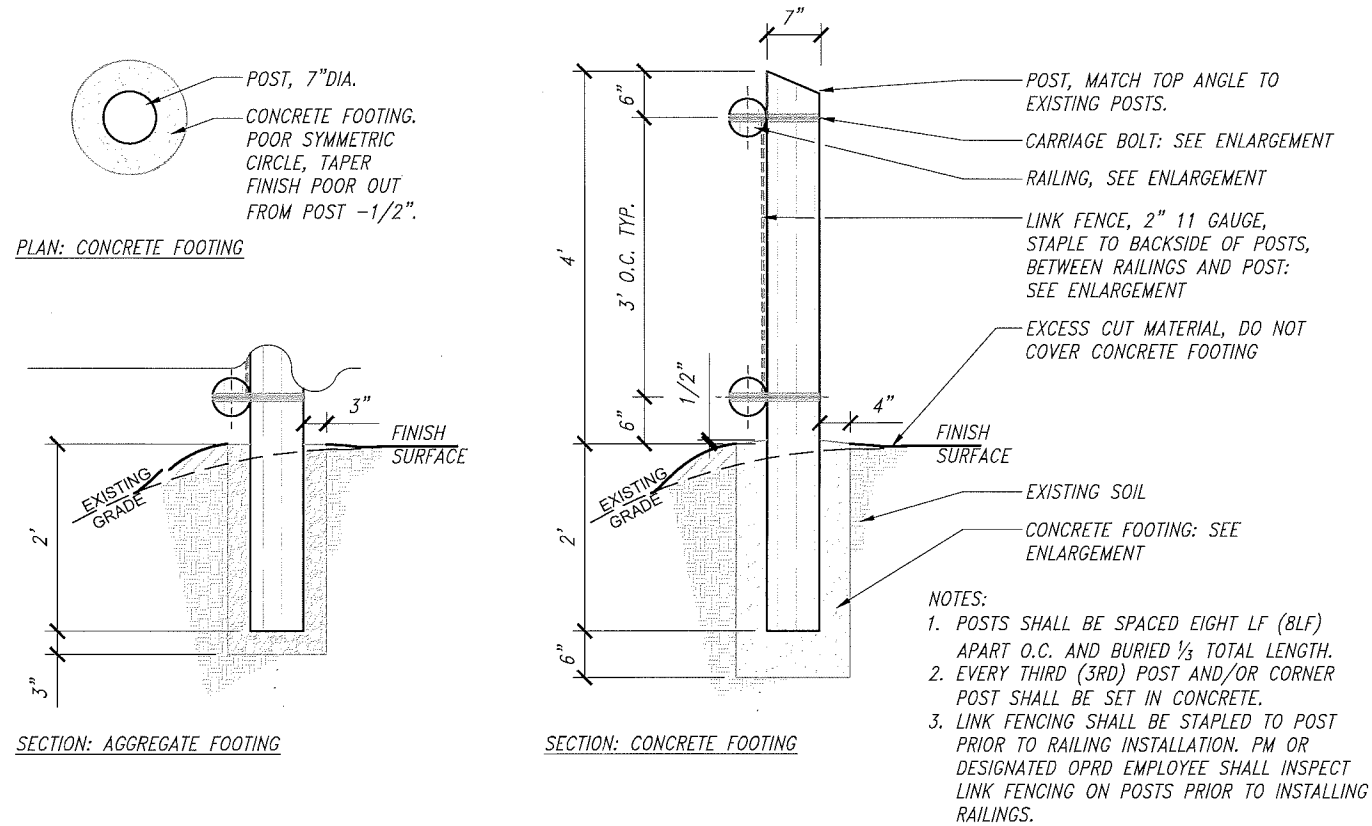


TYPICAL DETAILS
LATOUREL FALLS - LOWER FALLS TRAIL
GUY W. TALBOT STATE PARK

OREGON PARKS AND RECREATION DEPARTMENT

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1 FENCE IN SOIL
SCALE: 1"=1'-0"

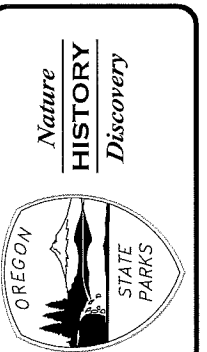
2 BIKE RACK AND FIXIT STATION
SCALE: 1"=1'-0"

30% COMPLETE

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NOT FOR
CONSTRUCTION

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TYPICAL DETAILS
LA TOURELL FALLS - LOWER FALLS TRAIL
GUY W. TALBOT STATE PARK

OREGON PARKS AND RECREATION DEPARTMENT

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