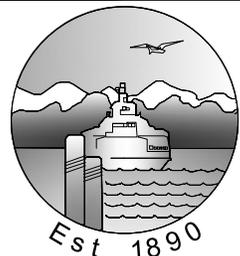


GENERAL NOTES:

1. LOCATION, NUMBER, AND SPACING OF CURB CUTS VARY WITH FACILITY LENGTH AND ROAD SLOPE. PROVIDE A MINIMUM OF ONE CURB CUT PER FACILITY. SEE PLANS FOR LOCATIONS.
2. REFER TO 2017 CITY OF EDMONDS STORMWATER ADDENDUM (CHECKLIST 10) FOR SETBACK REQUIREMENTS.

NOTES:

1. BULBOUT RADIUS AND WIDTH VARIES, SEE PLANS FOR GEOMETRIC DESIGN.



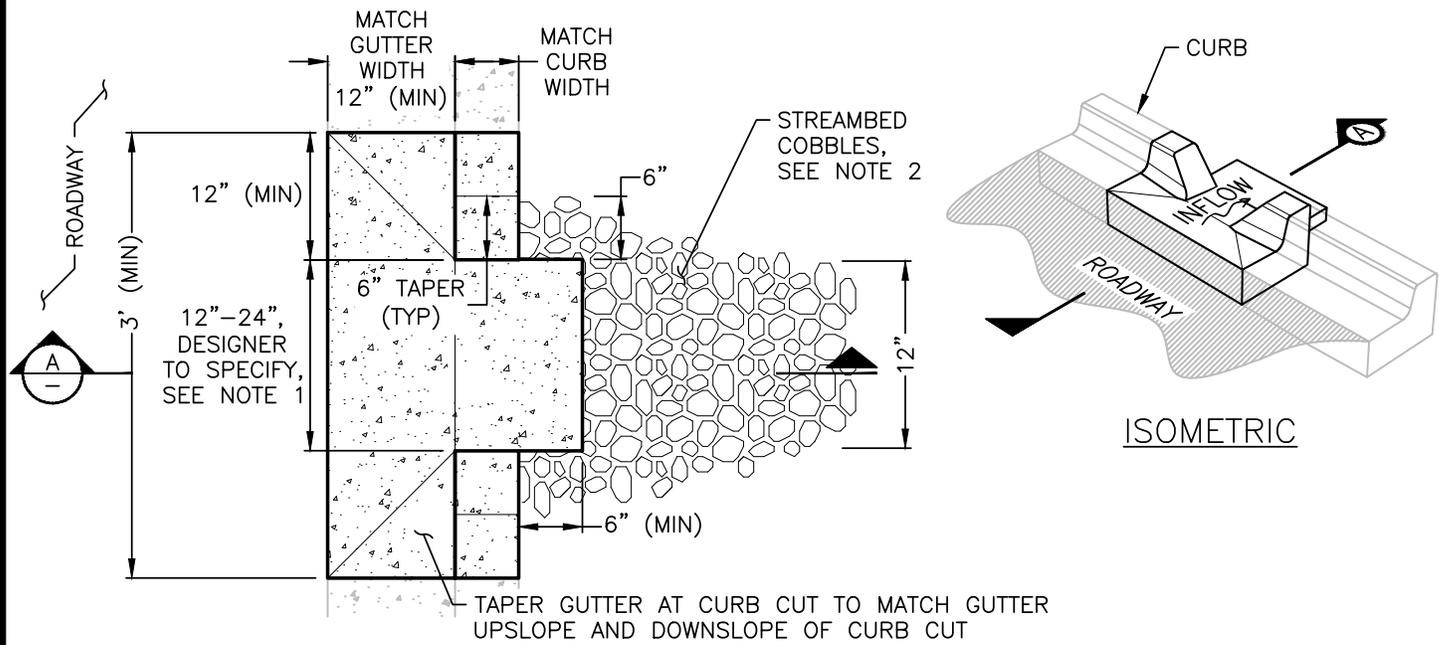
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**BIORETENTION
RIGHT OF WAY
CURB BULB PLAN**

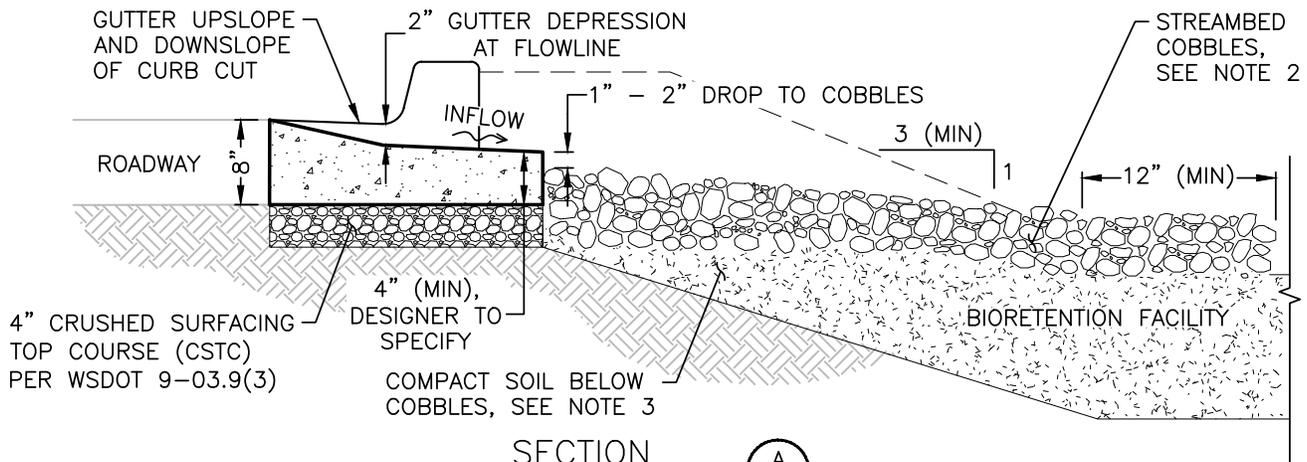
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DETAIL
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PLAN



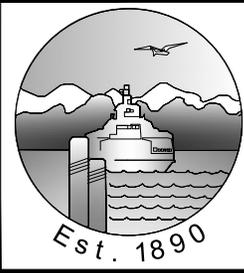
SECTION
NTS

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO WSDOT SPEC. 8-04, CURBS, GUTTERS, AND SPILLWAYS REQUIREMENTS FOR CEMENT CONCRETE CURB AND GUTTER, EXCEPT FINISH SHALL BE LIGHT BROOM.
2. BOND NEW CURB AND GUTTER TO EXISTING CURB AND GUTTER WITH EPOXY AND DOWEL CONNECTION, IF RETROFITTING INTO EXISTING CURBLINE.

NOTES:

1. INLET CURB CUT WIDTH SHALL BE 18" (MIN) WHEN BIORETENTION CONTRIBUTING AREA IS A "HIGH USE" AREA, AS DEFINED IN THE 2017 CITY OF EDMONDS STORMWATER ADDENDUM AND 24" ON GUTTER SLOPES \geq 5%.
2. STREAMBED COBBLES SHALL BE 6" COBBLES PER WSDOT SPEC. 9-03.11(2). COBBLE PAD TO BE 8" THICK. WIDTH TO BE 6" WIDER THAN SPLASH APRON ON BOTH SIDES (3'-6" MIN), THEN TAPER TO 12" WIDE AT SLOPE BOTTOM.
3. COMPACT BIORETENTION SOIL MEDIA USING NON-MECHANICAL COMPACTION METHODS (E.G., BOOT PACKING, HAND TAMPING) TO 88 PERCENT (+/- 2%) OF THE MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST (ASTM D1557).



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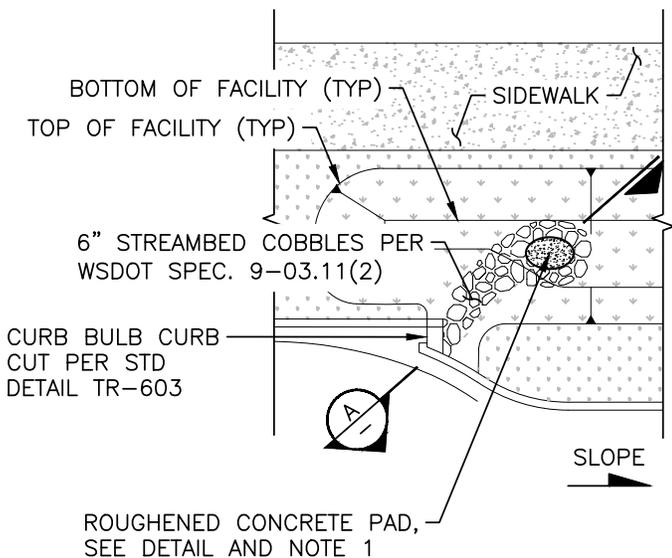
**BIORETENTION
CURB CUT**

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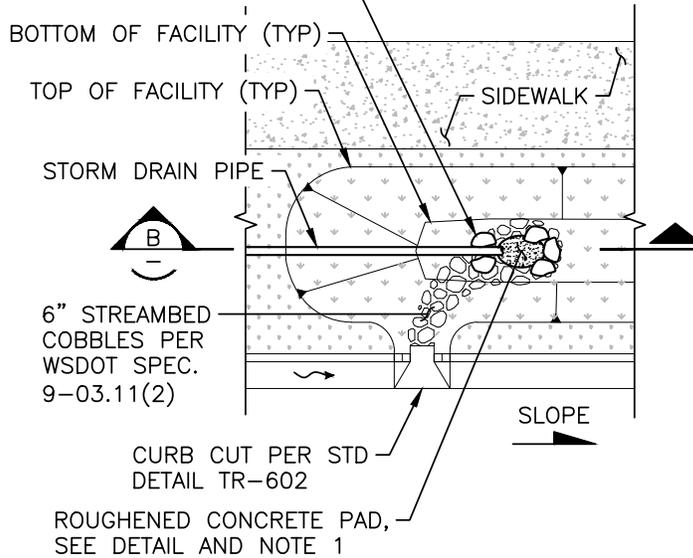
REVISION DATE
DECEMBER 2017

STANDARD
DETAIL
TR-602

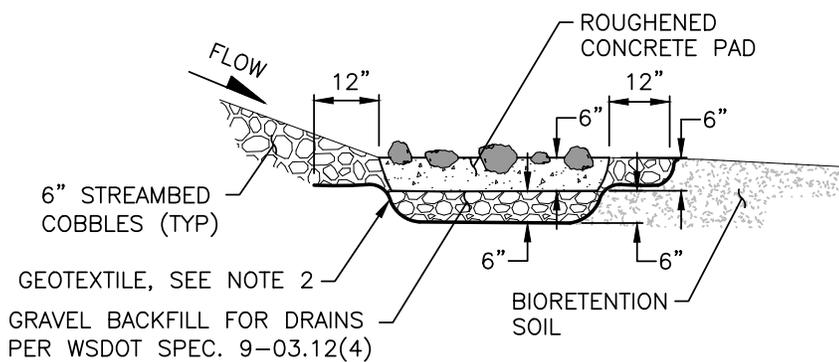
(5) ONE MAN STREAMBED BOULDERS PER WSDOT SPEC 9-03.11(3) AT PIPE OUTLETS



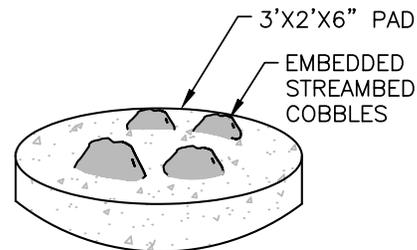
PLAN
(WITHOUT PIPE DISCHARGE)



PLAN
(WITH PIPE DISCHARGE)



SECTION A
NTS



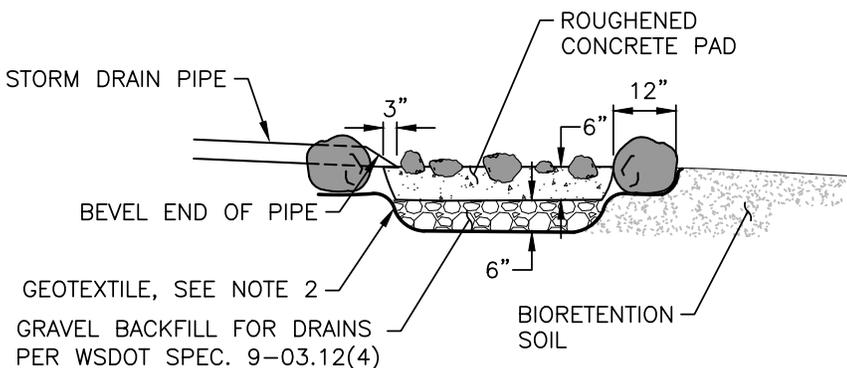
ROUGHENED
CONCRETE PAD

GENERAL NOTES:

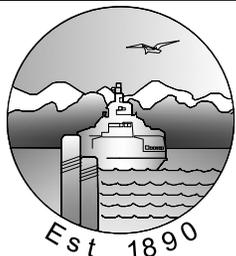
1. PRESETTLING CELL RECOMMENDED FOR BIORETENTION CELLS RECEIVING OVER 5,000 SQUARE FEET OF POLLUTION GENERATING HARD SURFACE AREA.

NOTES:

1. ROUGHENED CONCRETE PAD SHALL BE CONSTRUCTED WITH CLASS 3-3000 PSI CONCRETE. EMBED 6\"/>
2. GEOTEXTILE SHALL CONFORM TO WSDOT SPEC. 9-33.2(1), GEOTEXTILE FOR SEPARATION, NON-WOVEN TYPE.



SECTION B
NTS



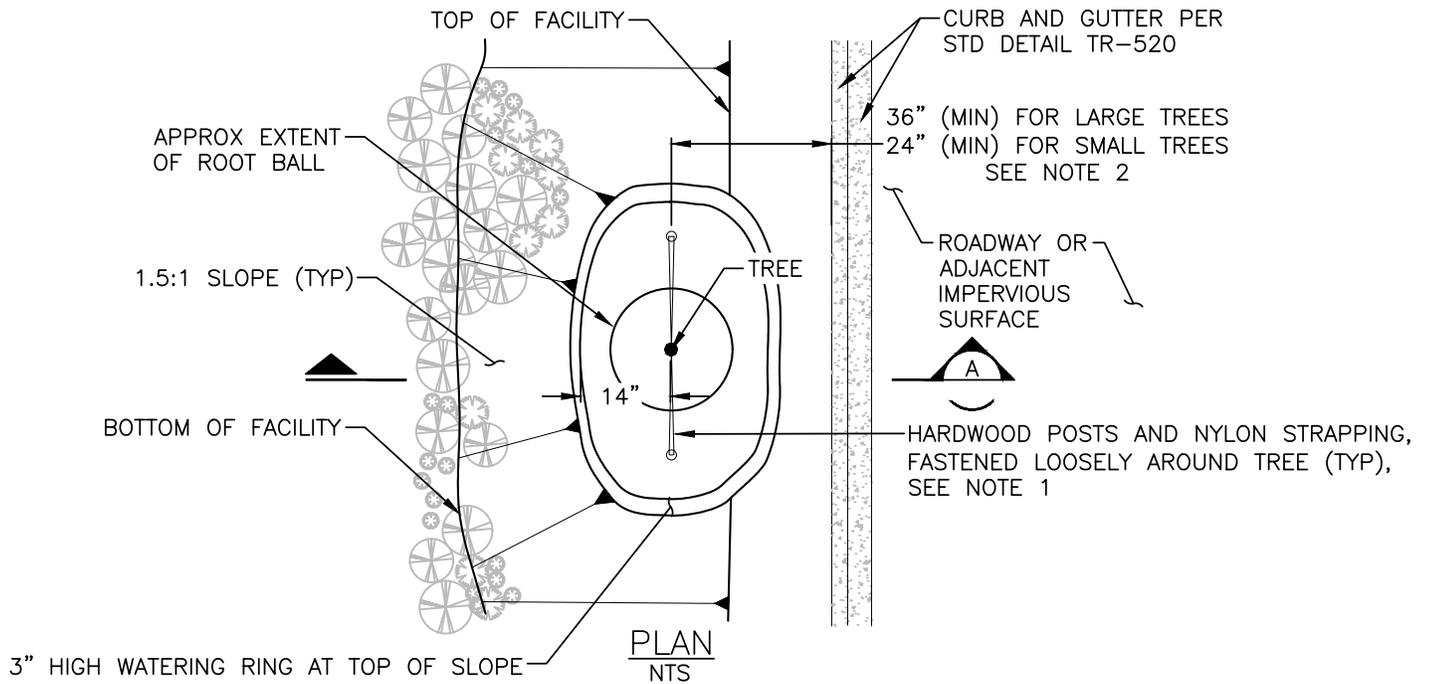
CITY OF EDMONDS
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BIORETENTION
PRESETTLING CELL

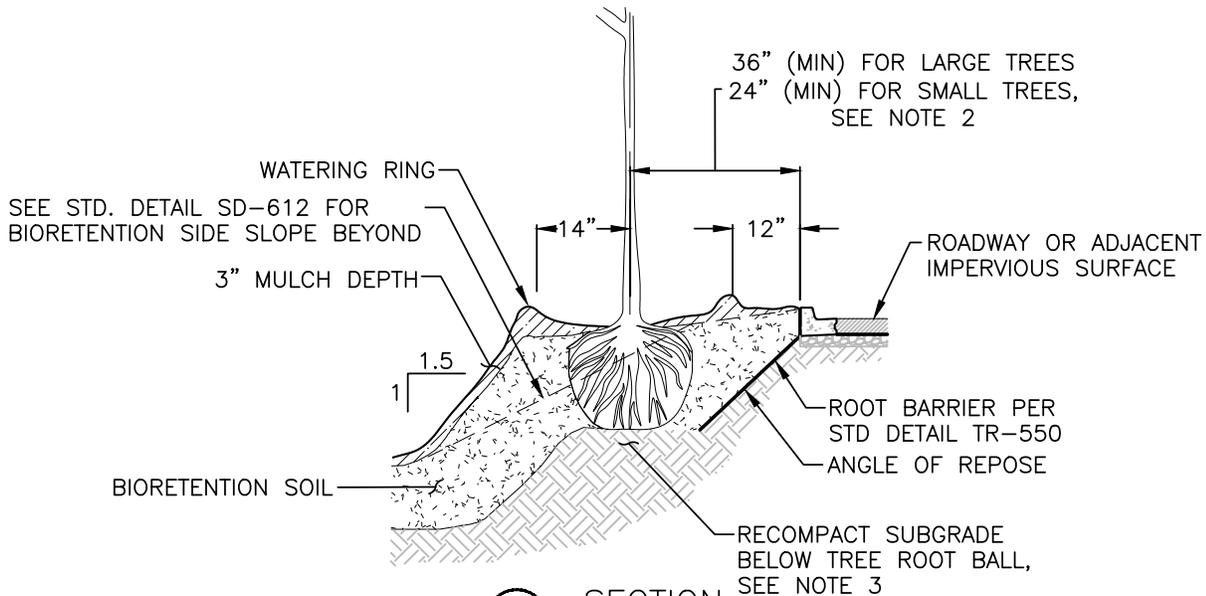
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☉ OF TREE FOR PLANTING



NOTES:

1. STAKE TREE AS SHOWN AFTER PLANTING, UNLESS OTHERWISE SPECIFIED. REMOVE STAKES AND NYLON STRAPPING AFTER FIRST GROWING SEASON.
2. SMALL TREE SHALL BE UP TO 30 FEET TALL AT MATURE HEIGHT, LARGE TREE SHALL BE OVER 30 FEET TALL AT MATURE HEIGHT.
3. COMPACT BIORETENTION SOIL MEDIA USING NON-MECHANICAL COMPACTION METHODS (E.G., BOOT PACKING, HAND TAMPING) TO 85% (+/- 2%) OF THE MAXIMUM DRY DENSITY PER MODIFIED ROCTOR TEST (ASTM D1557).



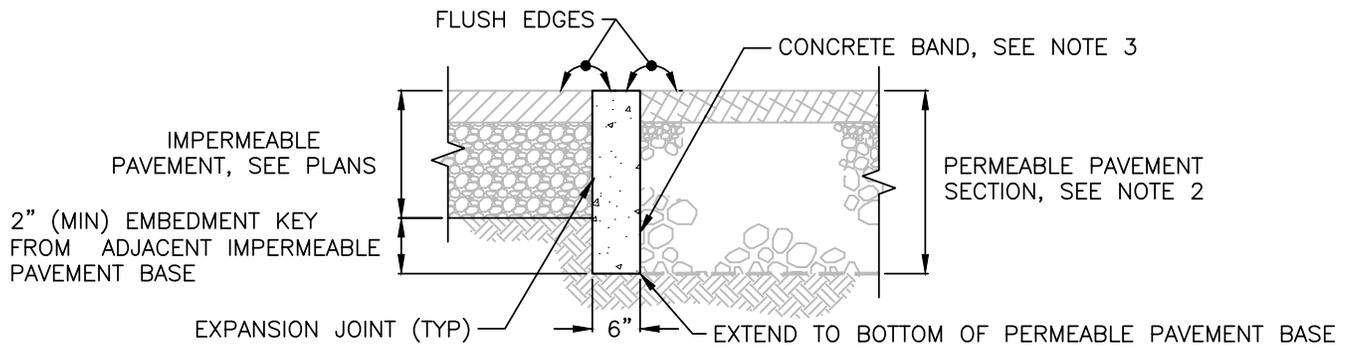
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**TREE PLANTING PLAN IN
BIORETENTION CELL**

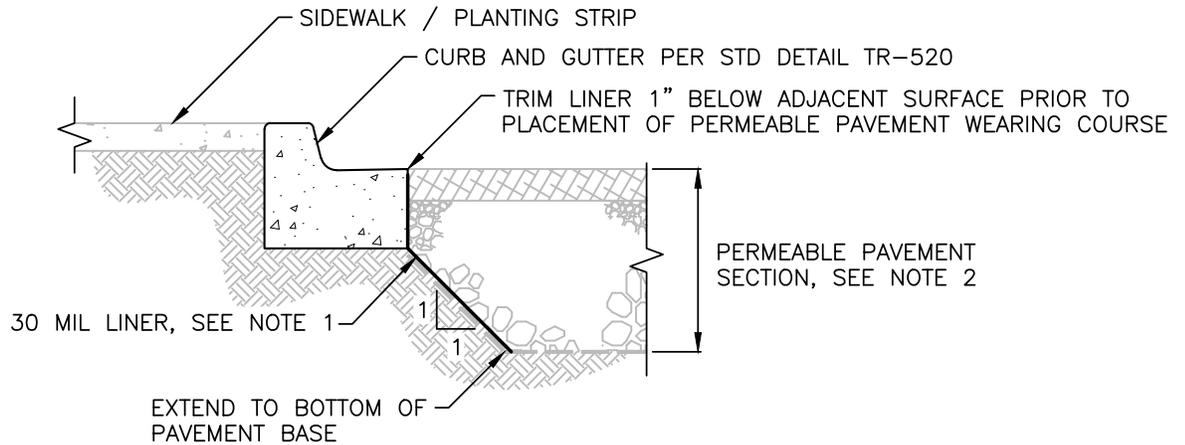
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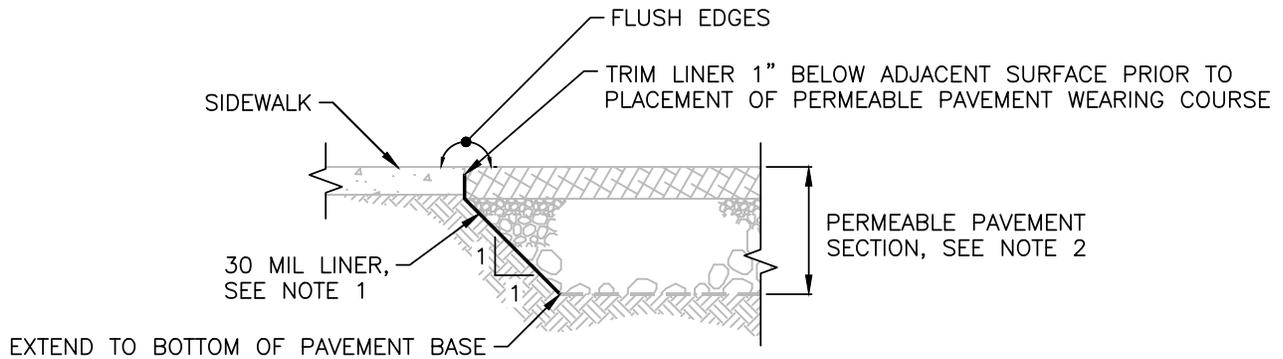
STANDARD
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CONCRETE BAND WITHIN PAVED AREA



IMPERMEABLE LINER AT STANDARD CURB AND GUTTER



IMPERMEABLE LINER AT EXISTING SIDEWALK

NOTES:

1. IMPERMEABLE LINER SHALL BE HDPE CONFORMING TO GEOSYNTHETIC RESEARCH INSTITUTE (GRI) GM13 OR LLDPE CONFORMING TO GRI GM 17.
2. SEE STD DETAIL SD-621 THROUGH SD-624 FOR PERMEABLE PAVEMENT SECTION.
3. CONCRETE SHALL BE CLASS 3-3000 PSI. CONCRETE REINFORCEMENT AND EXPANSION JOINT PLACEMENT TO BE SPECIFIED BY ENGINEER.



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**EDGE TREATMENTS
AT PAVEMENT INTERFACE**

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REVISION DATE
DECEMBER 2017

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TR-606