

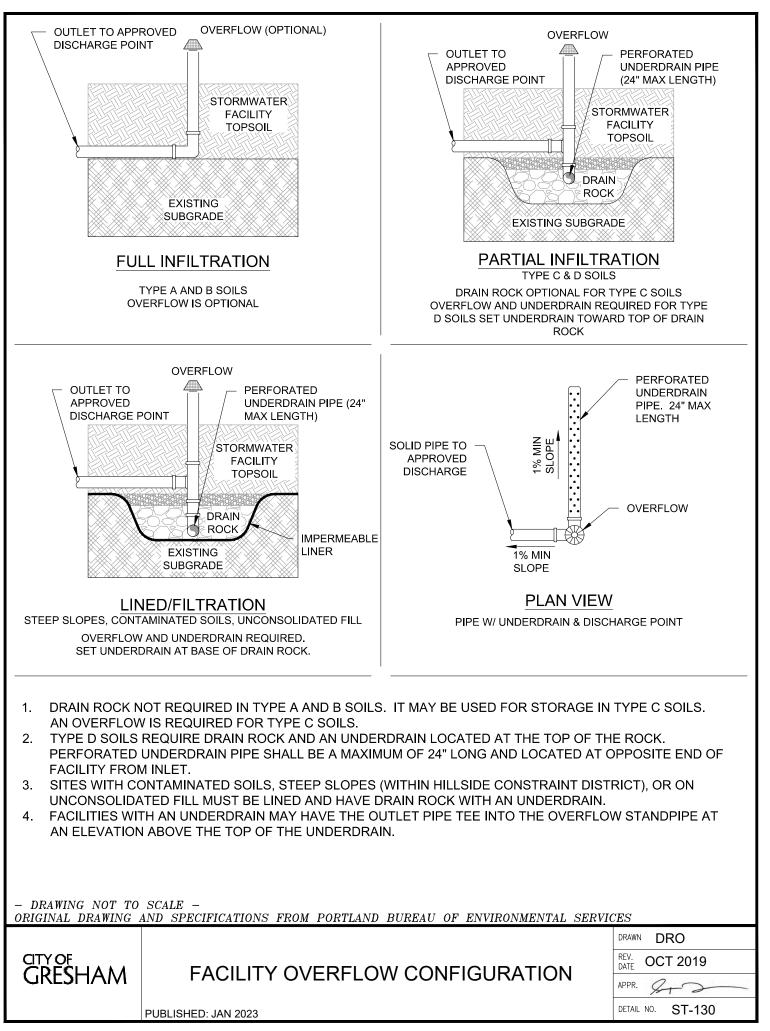
- 1. SITE SUITABILITY: DOWNSPOUT EXTENSIONS ARE SUITABLE FOR SINGLE FAMILY RESIDENTIAL SITES THAT HAVE WELL DRAINING SOILS, >2" PER HOUR, AND HAVE AN OVERALL SLOPE OF 10% OR LESS.
- 2. SIZING: AREA OF DISCHARGE MUST BE 10% OF THE CONTRIBUTING ROOF AREA. A MAXIMUM OF 500 SF OF ROOF AREA IS ALLOWED TO DRAIN TO EACH DOWNSPOUT.
- 3. DOWNSPOUTS MUST DRAIN AT LEAST 5 FEET FROM BASEMENT WALLS AND AT LEAST 3 FEET FROM CRAWL SPACES AND CONCRETE SLABS.
- 4. THE END OF THE DOWNSPOUT MUST BE AT LEAST 5 FEET FROM THE PROPERTY LINE, AND POSSIBLY MORE IF THE LANDSCAPE SLOPES TOWARD THE NEIGHBOR'S PROPERTY.
- 5. DO NOT DISCHARGE ONTO DRIVEWAYS, HARDSCAPE OR OTHER IMPERVIOUS AREAS INCLUDING PUBLIC SIDEWALKS AND STREETS.
- 6. USING A SPLASH BLOCK AT THE END OF THE EXTENSION IS OPTIONAL, BUT IT WILL HELP PREVENT SOIL EROSION.

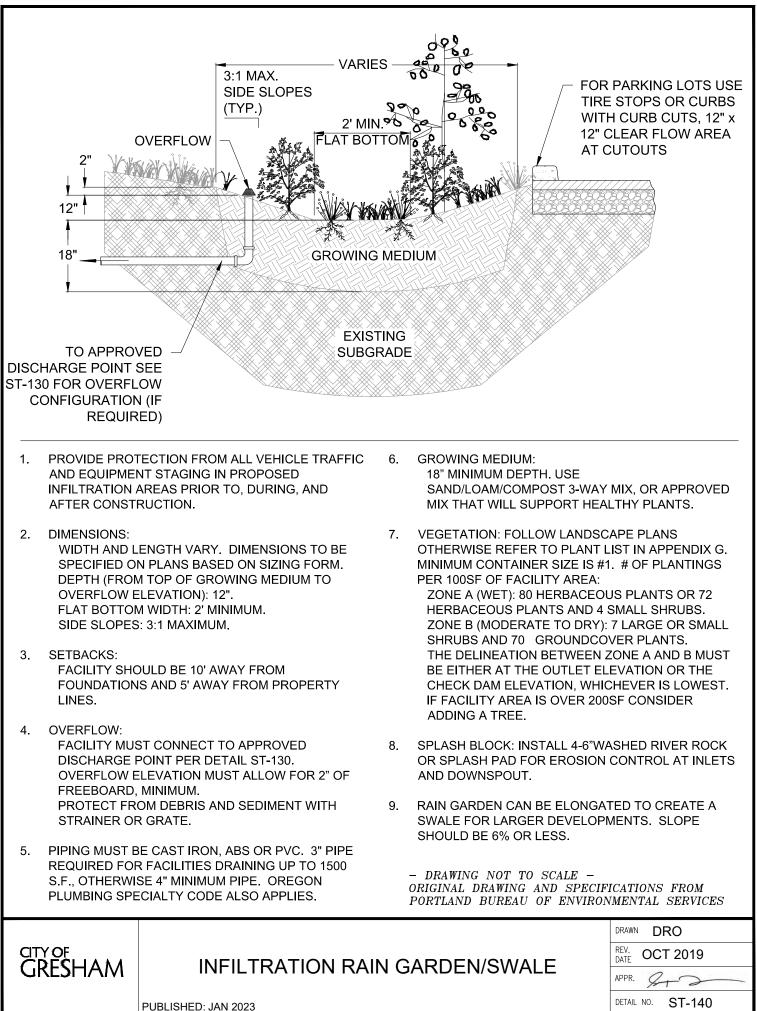


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|-----------------------|
| REV. DATE APR 2018 |
| APPR. Stor |
| DETAIL NO. ST-120 |

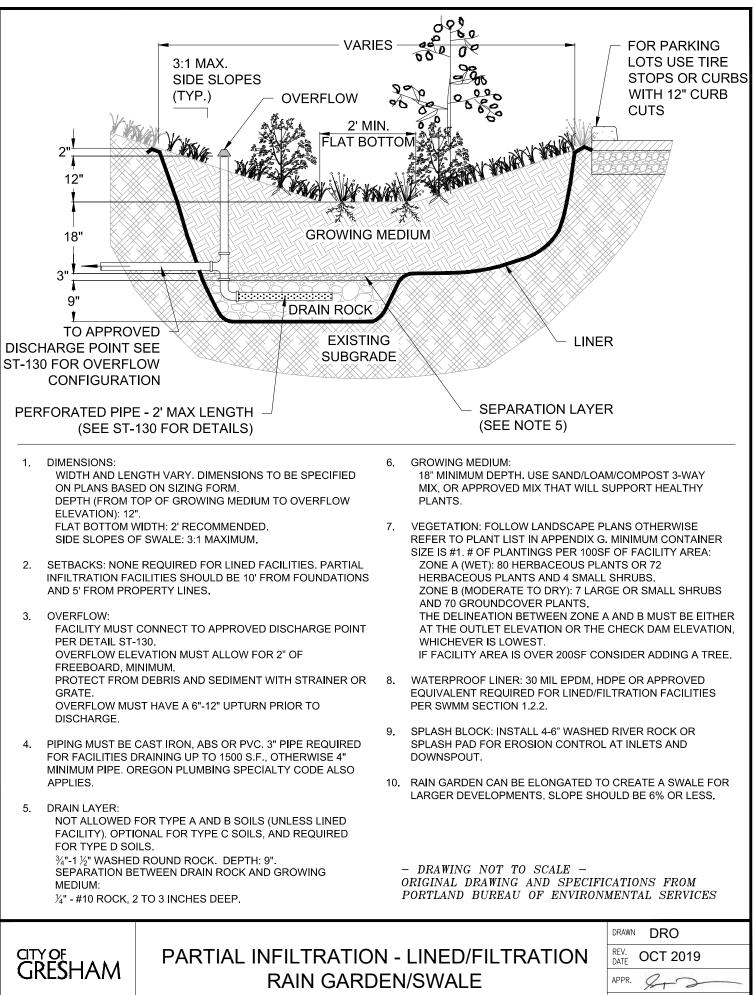
ilLENAME: y:\des\stormwater\stor

manual/current swmm\apph standard details/private storm details complete 20221107.dwg, Plotted 11/15/2022 9:07 AM, By: Kimberly Bogert, ANSI FULL BLEED A (8:50 X 11.00 INCHES)





Bogert, ANSI FULL BLEED A (8.50 X 11.00 INCHES) wmm\apph standard details\private storm details complete 20221107.dwg, Plotted 11/15/2022 9:07 AM, By: Kimberly ILENAME: v:\des\sto



Bogert, ANSI FULL BLEED A (8.50 X 11.00 INCHES)

complete 20221107.dwg, Plotted 11/15/2022 9:08 AM, By: Kimberly

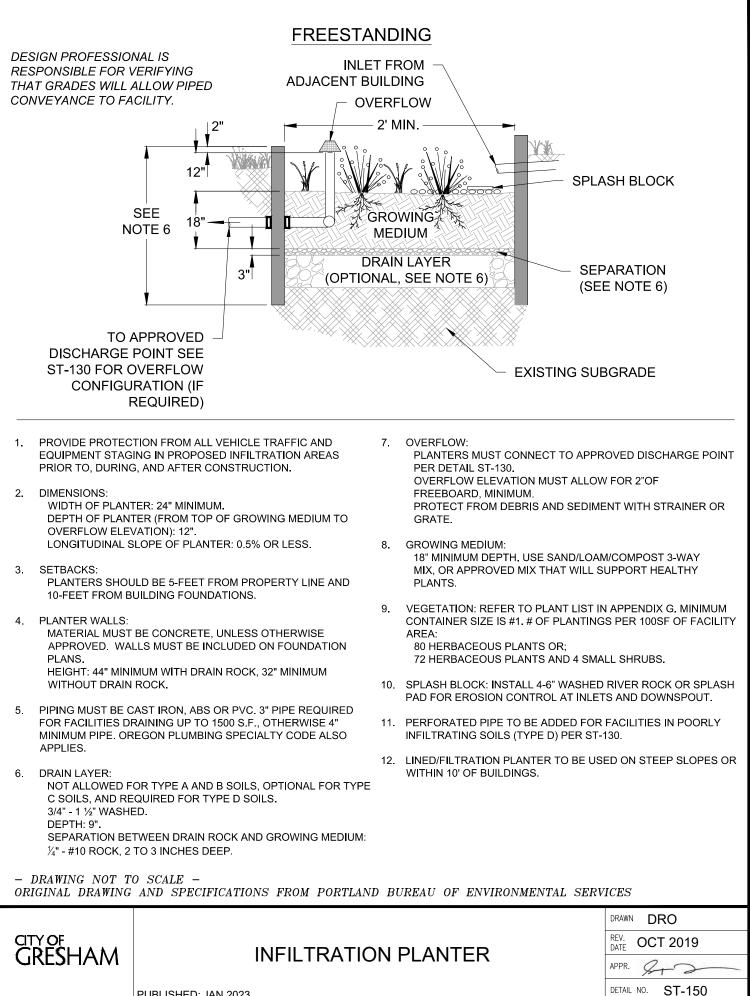
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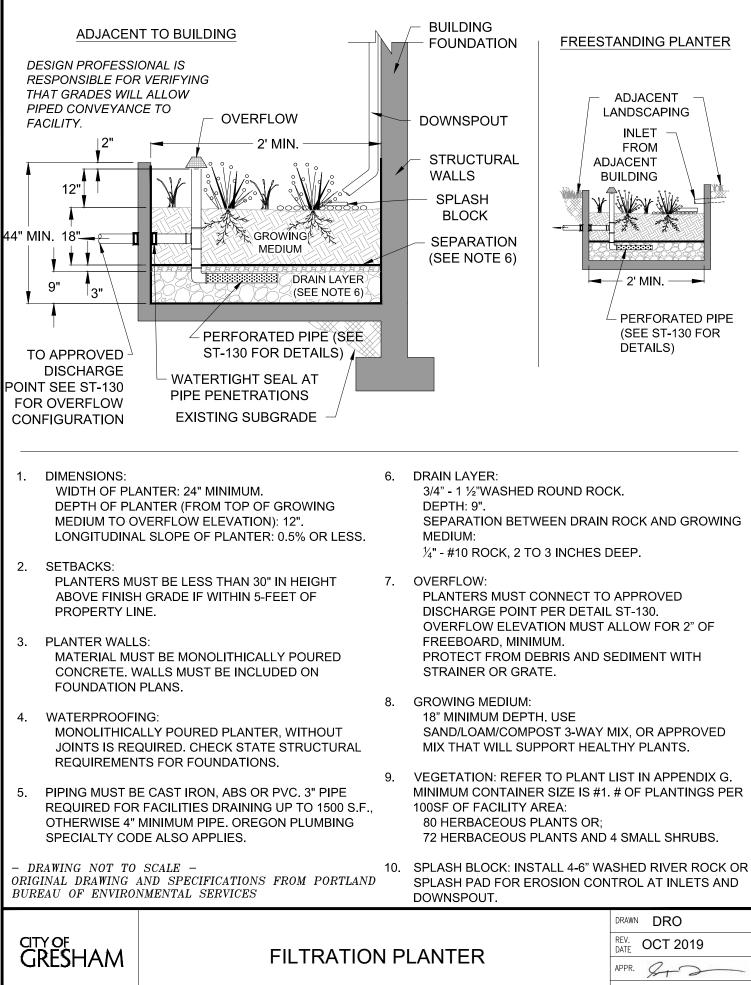
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DETAIL NO. ST-141



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PUBLISHED: JAN 2023

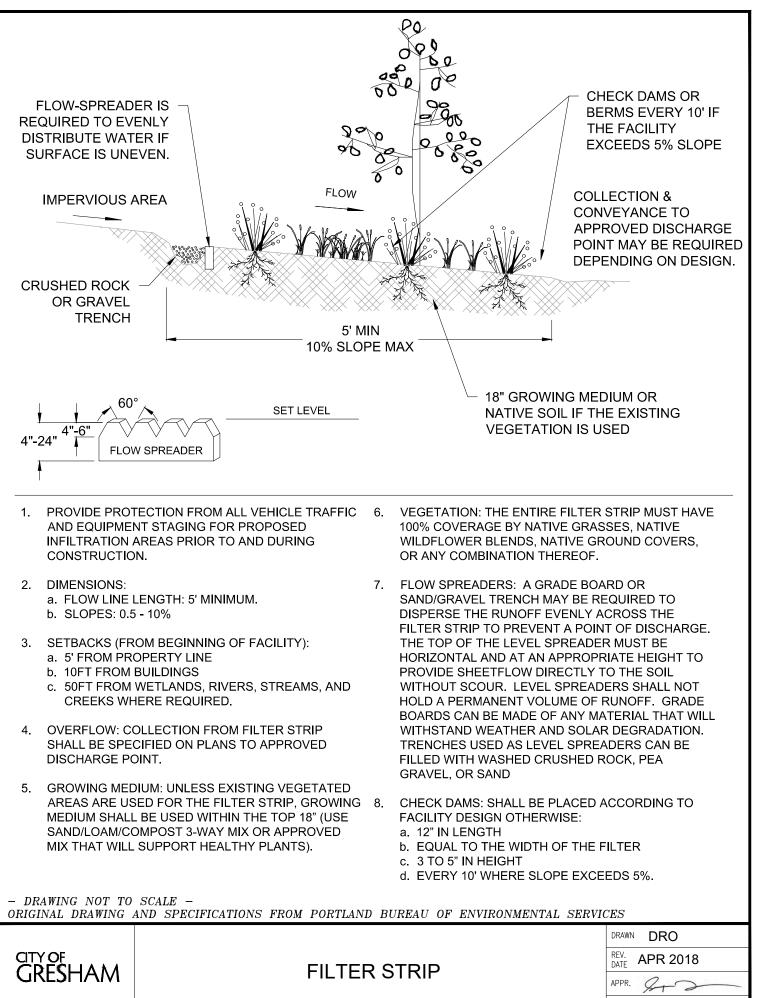


DETAIL NO.

ST-151

PUBLISHED: JAN 2023

Bogert, ANSI FULL BLEED A (8.50 X 11.00 INCHES) Kimberlv complete 20221107.dwg, Plotted 11/15/2022 9:09 AM, By: details standard details/private hade ILENAME: v:\des\sto



PUBLISHED: JAN 2023

Bogert, ANSI FULL BLEED A (8.50 X 11.00 INCHES)

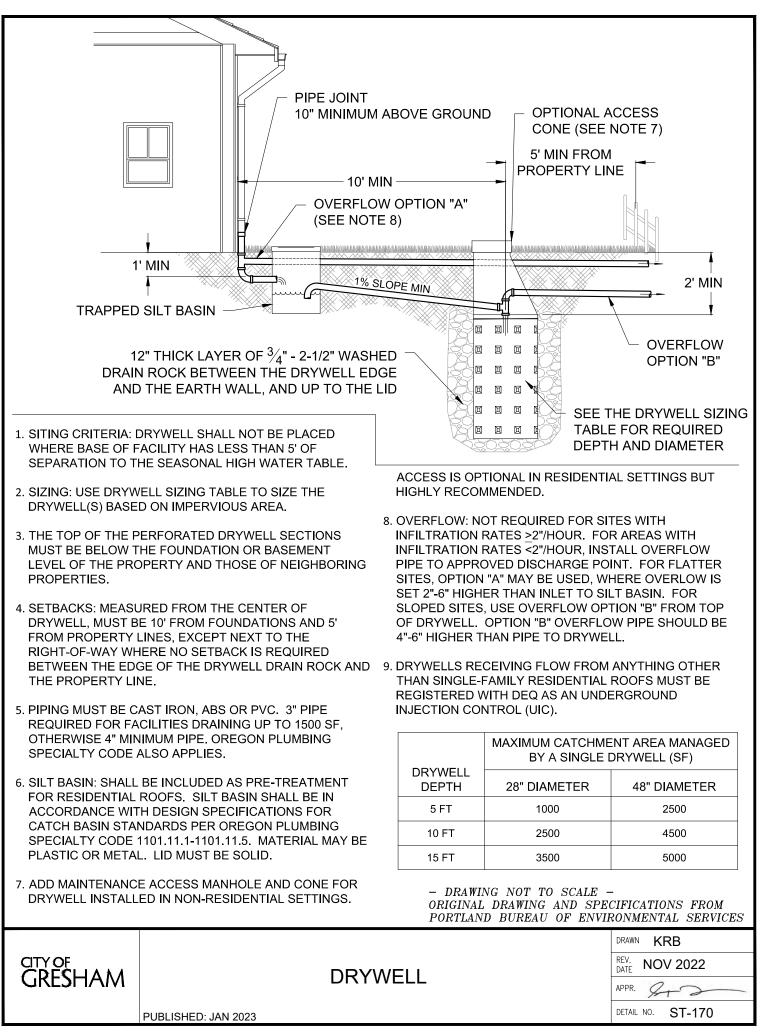
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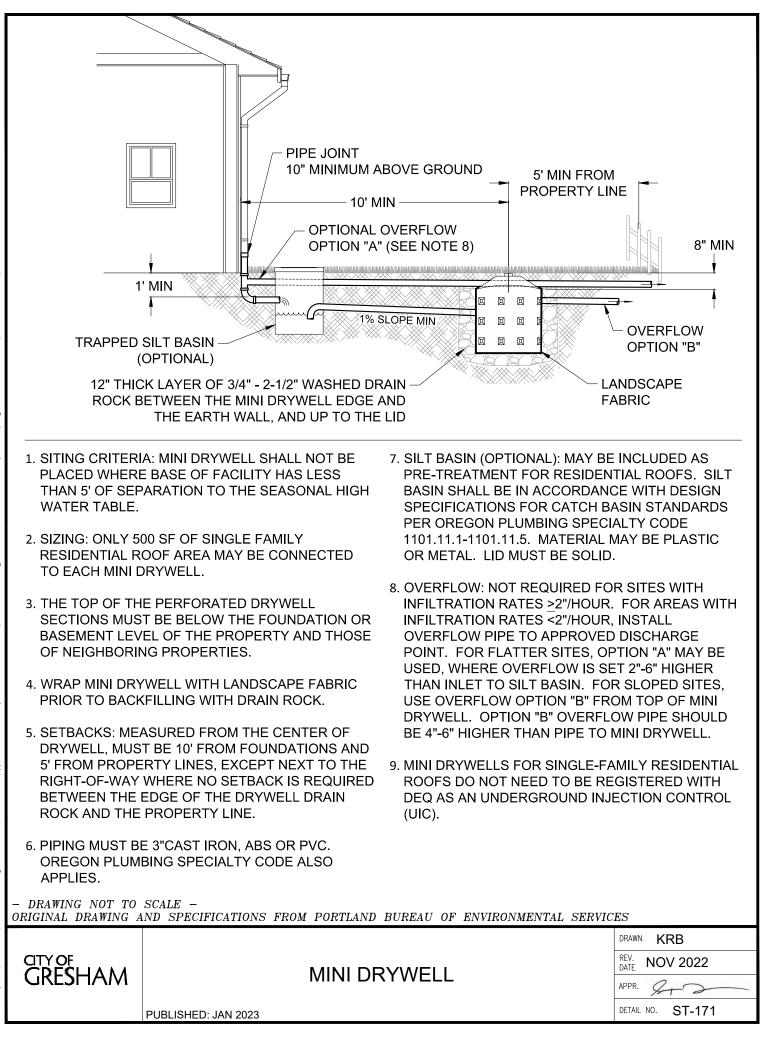
standard details/private

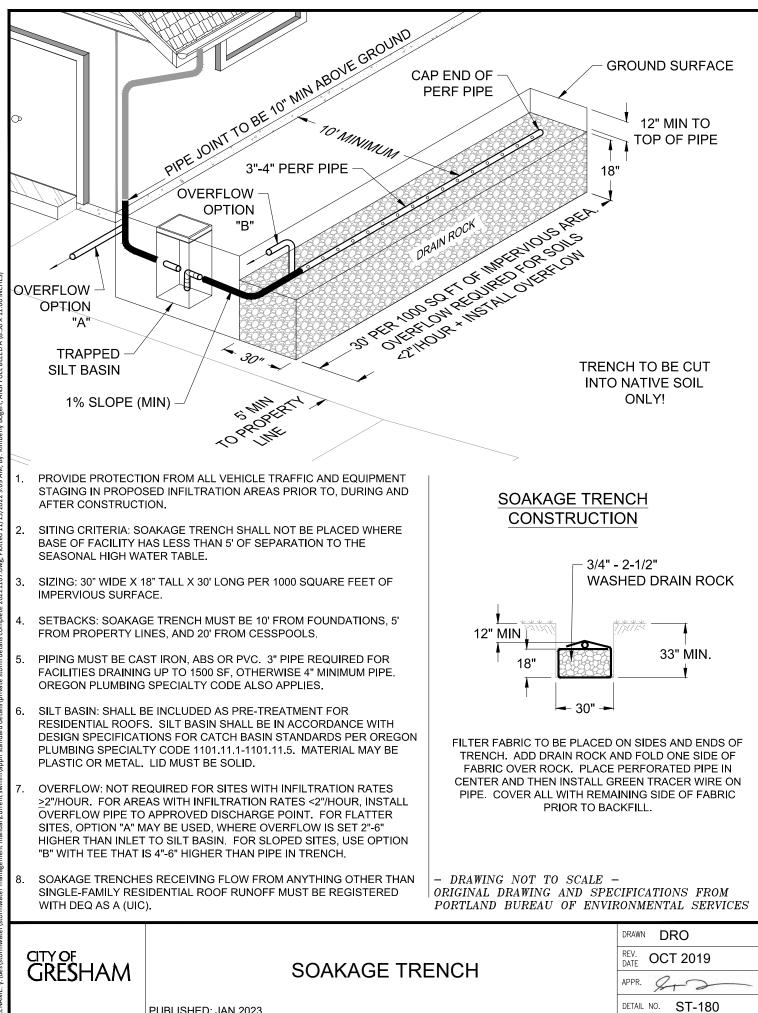
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DETAIL NO. ST-160

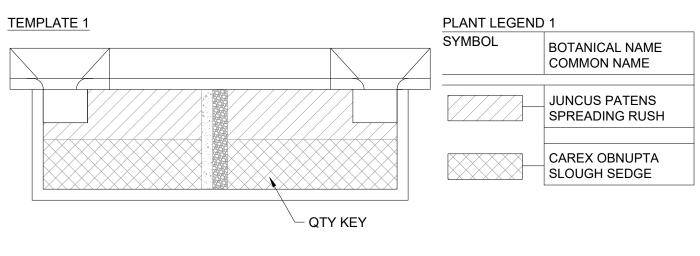




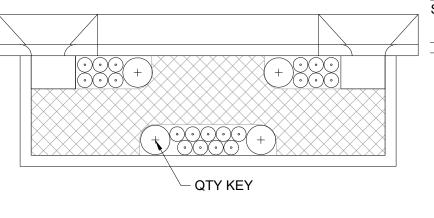


PUBLISHED: JAN 2023

| HOUSE | GROUND SURFACE | / | OVERFLOW OPTION "A" - TO APPROVED - DISCHARGE POINT | | | | | |
|------------------------------|--|----------------------|--|--|--|--|--|--|
| TRAPPED SILT B | | VERFLOW PTION "B" | | | | | | |
| | | TION B | | | | | | |
| 6" DRAIN ROO | PROPERTY LINE | | | | | | | |
| | | ЧОХЧ | | | | | | |
| | PROFILE VIEW | | | | | | | |
| | | | | | | | | |
| | | | TO APPROVED DISCHARGE POINT | | | | | |
| HOUSE 6" DR | SILT BASIN 10' MIN. AIN ROCK TYPICAL ALL SIDES PLAN VIEW | | TO APPROVED DISCHARGE POINT | | | | | |
| ACCORDANC | HALL BE INCLUDED AS PRE-TREATMENT FOR RESIDENTIAL ROOF E WITH DESIGN SPECIFICATIONS FOR CATCH BASIN STANDARDS I ODE 1101.11.1-1101.11.5. MATERIAL MAY BE PLASTIC OR METAL. L | PER OR | EGON PLUMBING | | | | | |
| | VAULTS RECEIVING FLOW FROM ANYTHING OTHER THAN SINGLE BE REGISTERED WITH DEQ AS AN UNDERGROUND INJECTION CC | | | | | | | |
| INFILTRATION FLATTER SITE | OVERFLOW: NOT REQUIRED FOR SITES WITH SOIL INFILTRATION RATES <u>></u> 2"/HOUR. FOR AREAS WITH INFILTRATION RATES <2"/HOUR, INSTALL OVERFLOW PIPE TO APPROVED DISCHARGE POINT. FOR FLATTER SITES, USE OVERFLOW OPTION "A", WHERE OVERFLOW IS SET 2"-6" HIGHER THAN INLET TO SILT BASIN. FOR SLOPED SITES, USE OPTION "B", WHERE OVERFLOW LEAVES VAULT WITH A 4"-6" UPTURN. | | | | | | | |
| 4. SETBACKS: 5' | FROM PROPERTY LINES AND 10' FROM FOUNDATIONS. | | | | | | | |
| | | | | | | | | |
| MANUFACTUF | | - DRAWII | NG NOT TO SCALE – | | | | | |
| QTY OF | | | REV. NOV 2022 | | | | | |
| GRESHAM | INFILTRATION VAULT | - | APPR. AT | | | | | |
| | PUBLISHED: JAN 2023 | | DETAIL NO. ST-190 | | | | | |



TEMPLATE 2



SYMBOL BOTANICAL NAME COMMON NAME JUNCUS PATENS SPREADING RUSH CAREX OBNUPTA SLOUGH SEDGE + + + GOLD MOUND' GOLD MOUND JAPANESE SPIREA

PLANT LEGEND 2

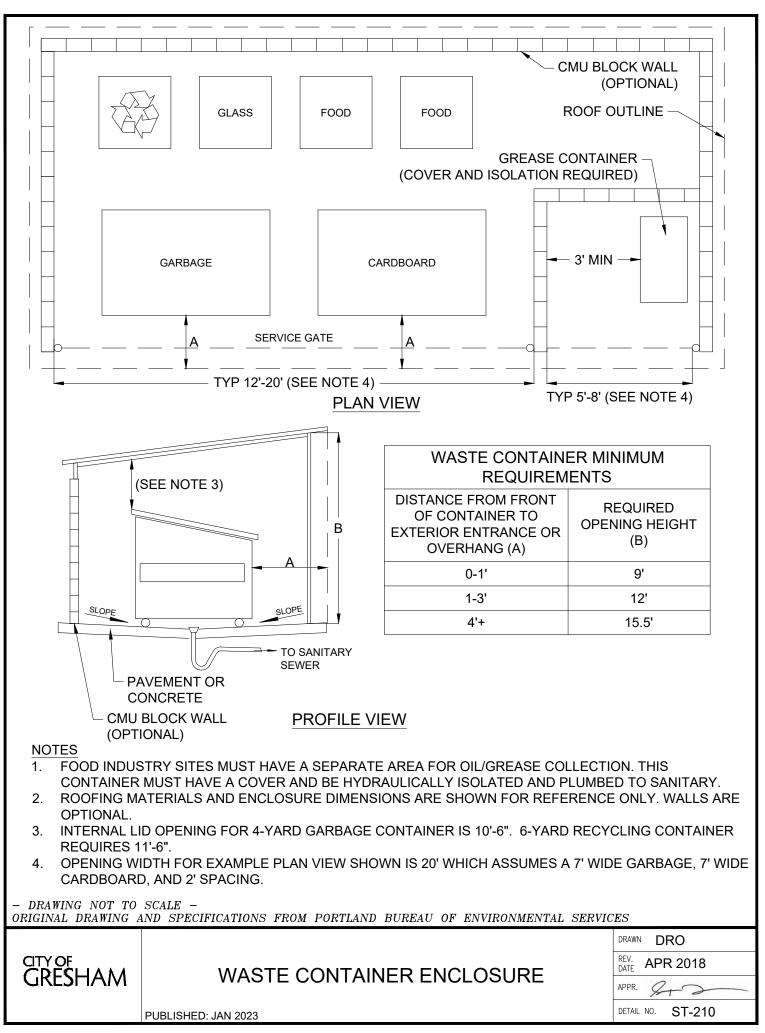
| SAMPLE I | PLANTING LEGEND | SQ. FOOT AREA = | X | | |
|----------|-----------------|-----------------|---------|---------|------|
| SYMBOL | BOTANIC NAME | COMMON NAME | SPACING | SPACING | QTY. |
| | Xxxxxx xxxxx | XXXXX | X | X | X |
| \odot | Xxxxxx xxxxx | xxxxx | X | X | X |
| | | | | | |

INSTRUCTIONS:

- 1. CHOOSE A TEMPLATE AND ALTER IT TO DESIGN. THESE ARE EXAMPLES OF APPROVED PLANTING TEMPLATES. OTHER PLANTING PLANS MAY BE APPROVED.
- 2. PLANT LISTS AND ON-CENTER SPACING REQUIREMENTS ARE FOUND IN THE STORMWATER MANAGEMENT MANUAL.
- 3. PLANTING LEGEND REQUIRED. STATE PLANT SPECIES, SPACING, AND QUANTITIES.
- 4. PLANTING PLANS SHALL INCLUDE LABELS FOR EACH PLANT GROUP IDENTIFYING THE PLANT SPECIES AND QUANTITY IN THE GROUP.

- DRAWING NOT TO SCALE -ORIGINAL DRAWING AND SPECIFICATIONS FROM PORTLAND BUREAU OF ENVIRONMENTAL SERVICES

| GRESHAM | PUBLIC FACILITY LANDSCAPING TEMPLATE | REV. DATE APR 2018 |
|---------|--------------------------------------|-----------------------|
| GRESHAM | | APPR. Stor |
| | PUBLISHED: JAN 2023 | DETAIL NO. ST-200 |



Bogert, ANSI FULL BLEED A (8.50 X 11.00 INCHES) m\apph standard details\private storm details complete 20221107.dwg, Plotted 11/15/2022 9:10 AM, By: Kimberly ual\current ILENAME: v:\des\sto