INVER GROVE HEIGHTS
Northwest Area

Appendix A

CADD Details

Northwest Area (NWA)
Inver Grove Heights Stormwater Manual

CADD Details

Appendix A

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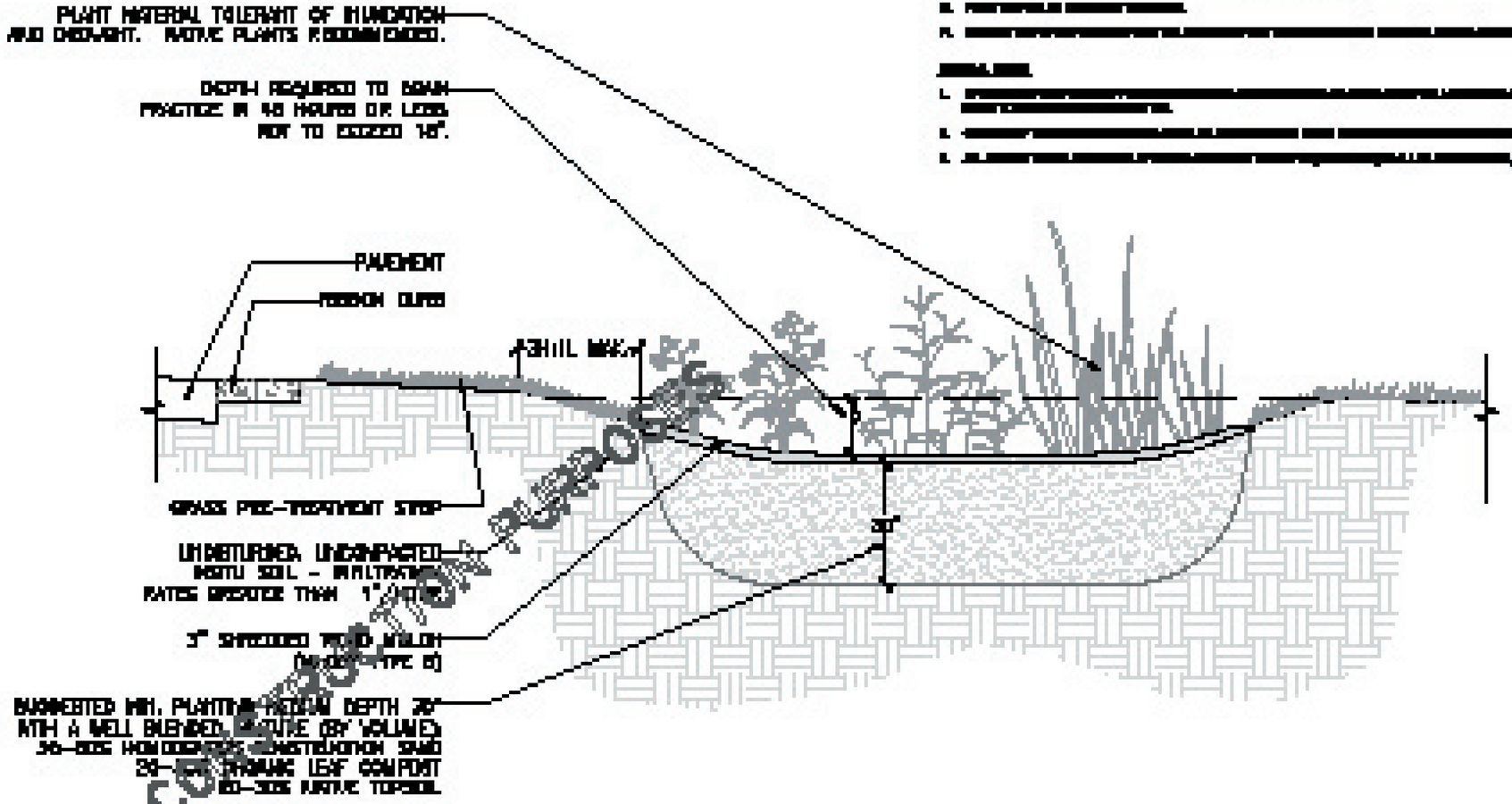
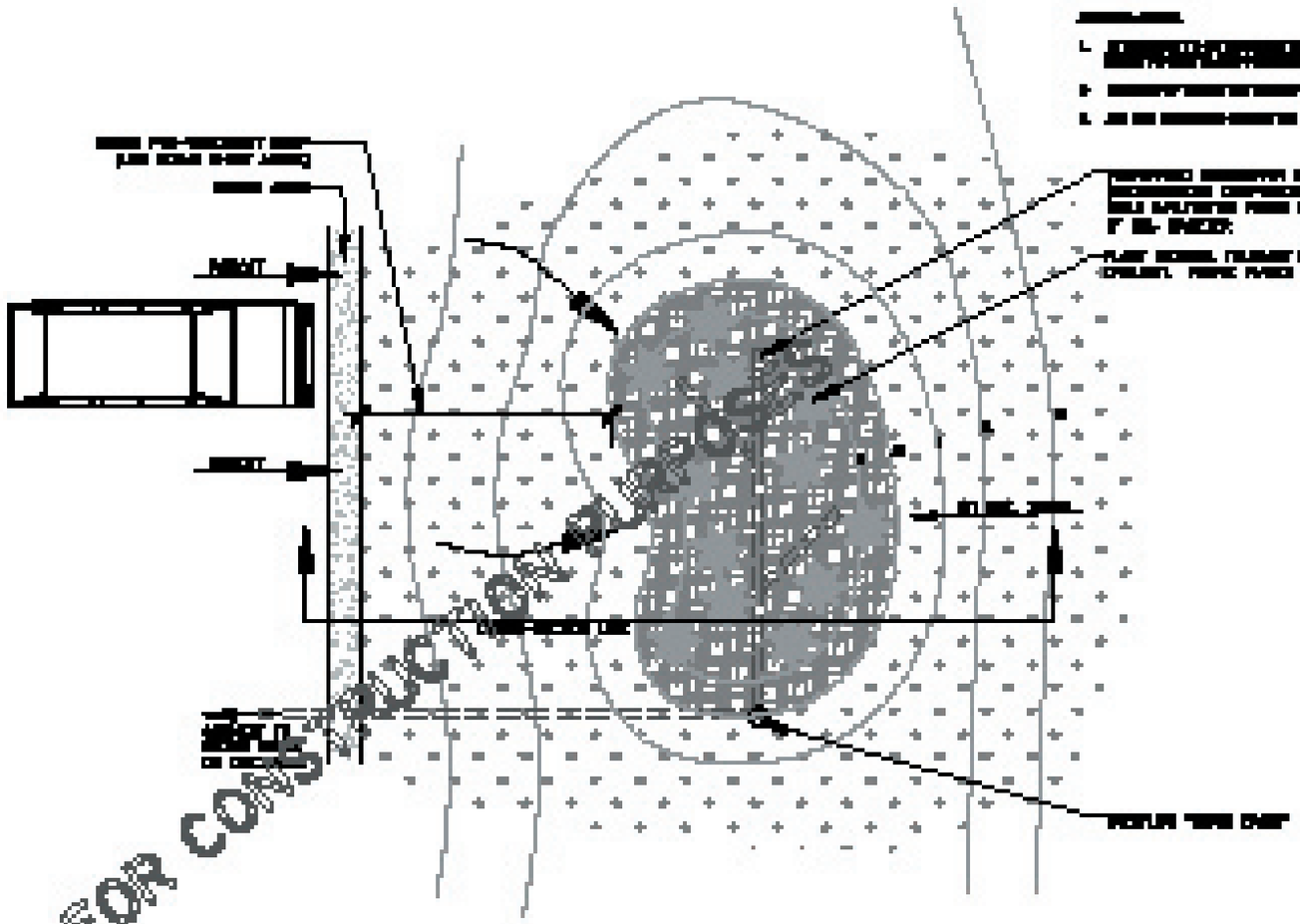


NOT FOR CONSTRUCTION

INFILTRATION/ RECHARGE FACILITY CROSS-SECTION

NOT TO SCALE



BIORETENTION FACILITIES GENERAL PLAN

NOT TO SCALE

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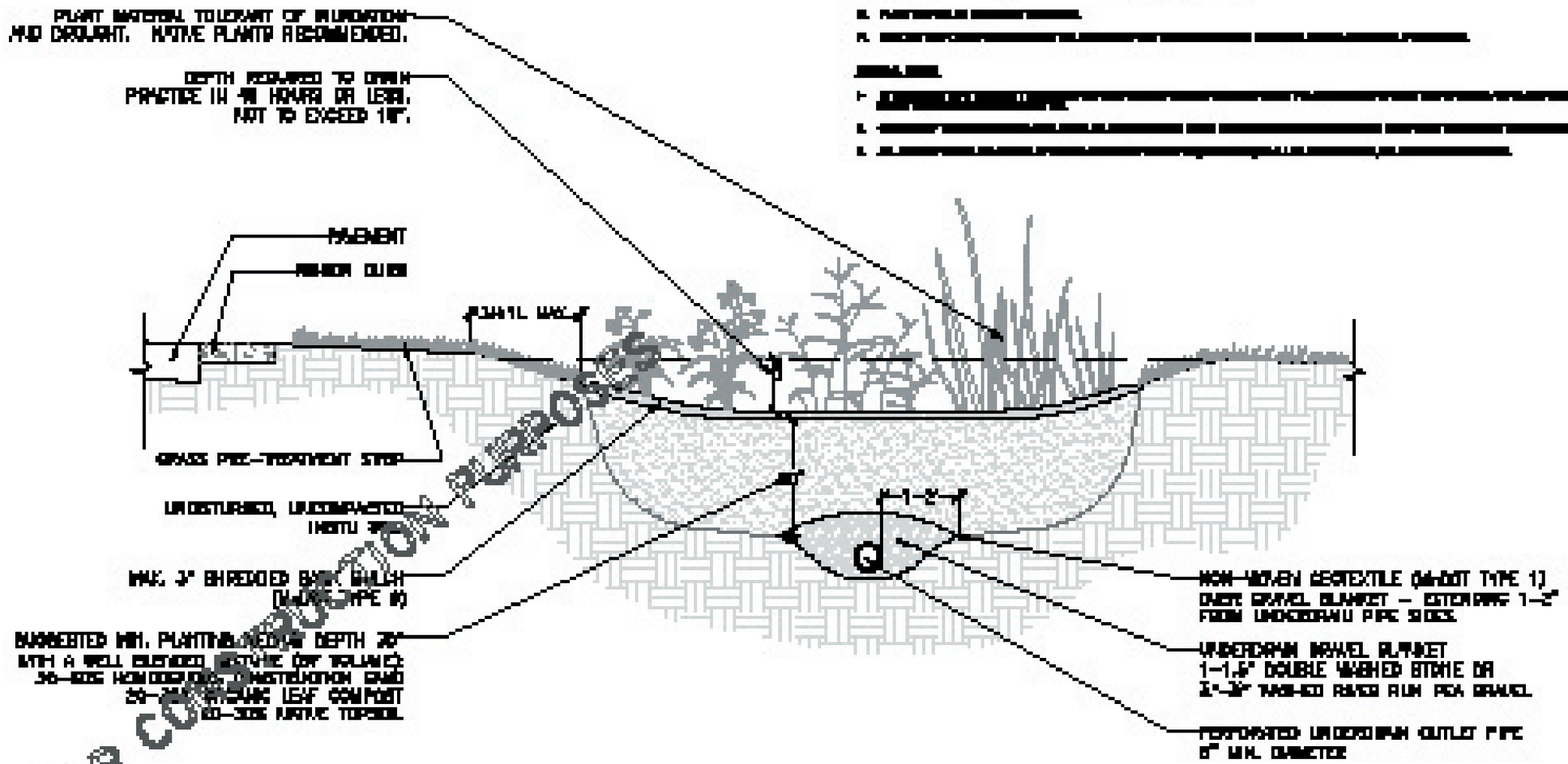

FILTRATION/ PARTIAL RECHARGE FACILITY
CROSS-SECTION

NOT TO SCALE

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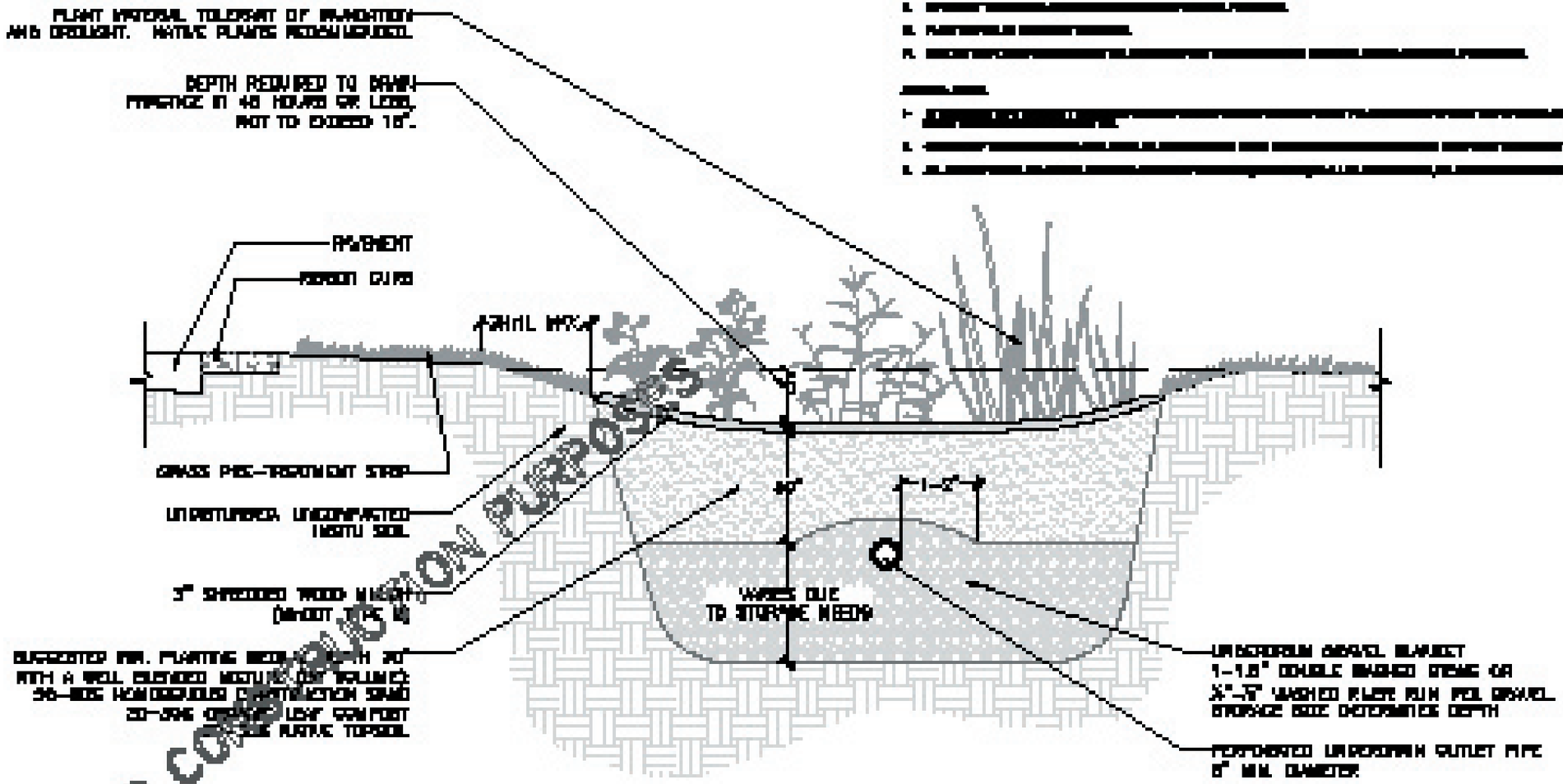

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INFILTRATION/FILTRATION/RECHARGE FACILITY CROSS-SECTION

NOT TO SCALE

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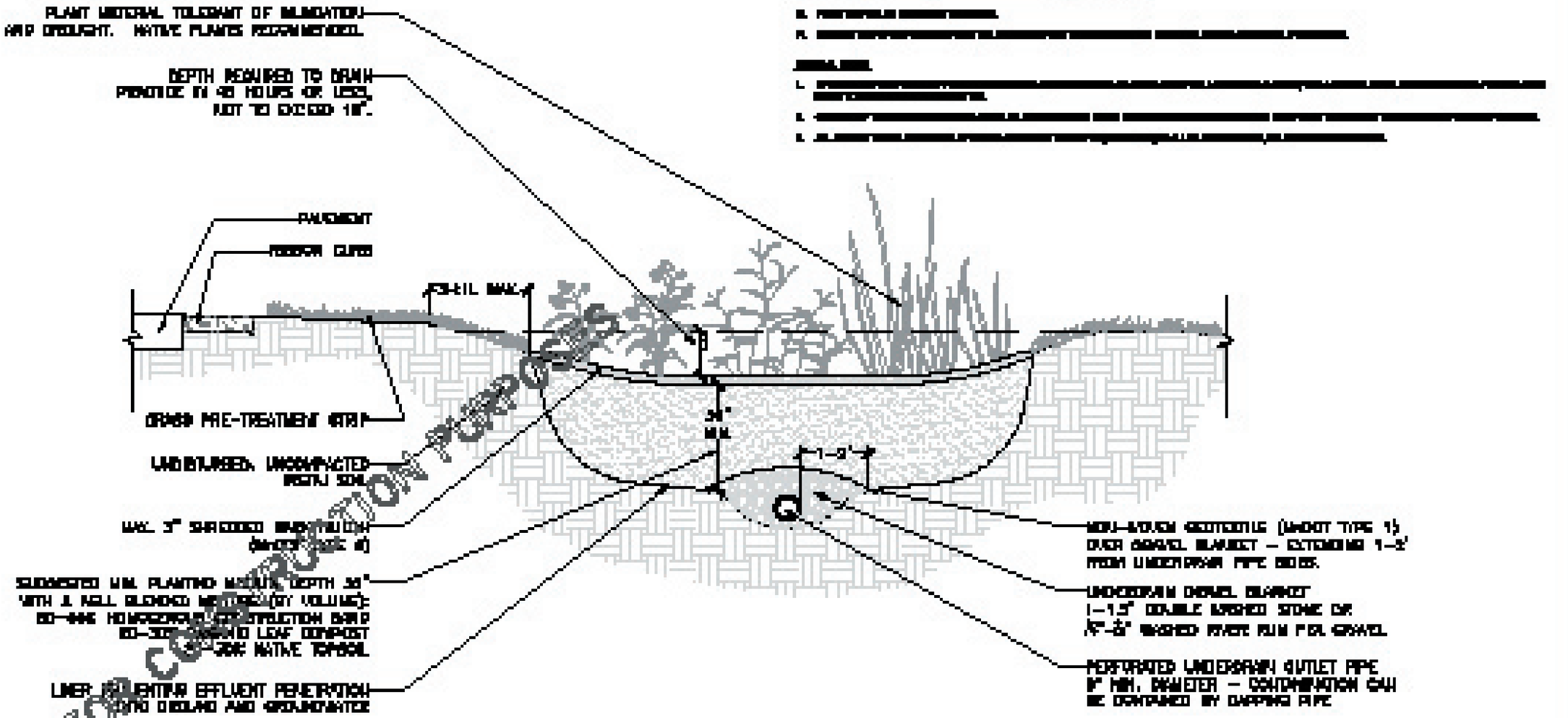

FILTRATION ONLY FACILITY CROSS–SECTION

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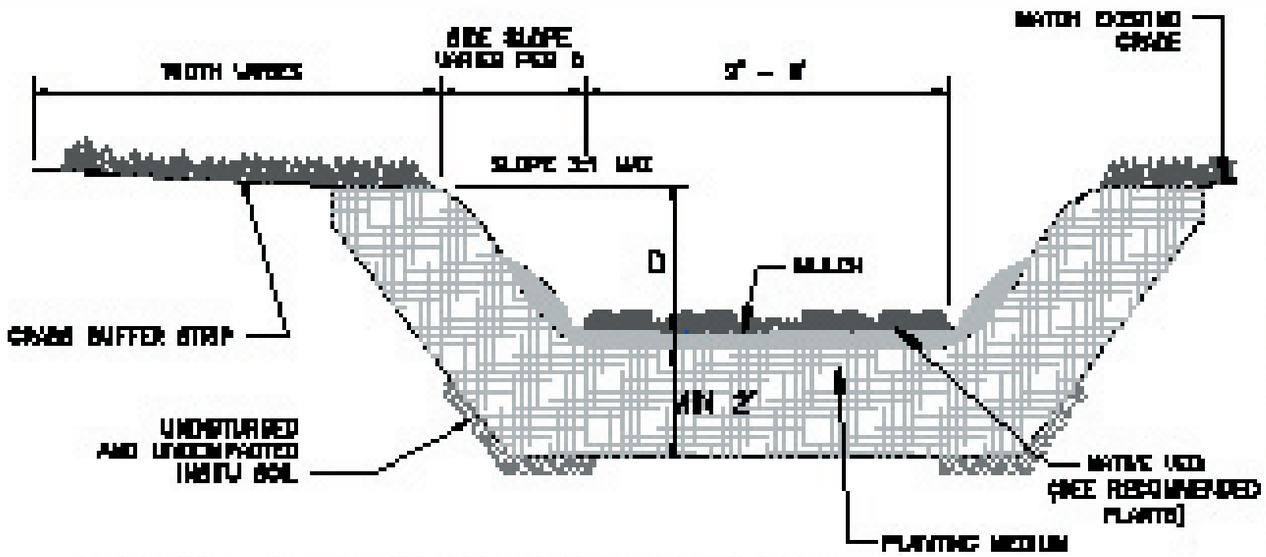
NOT FOR CONSTRUCTION PURPOSES



TYPICAL WET SWALE CROSS-SECTION

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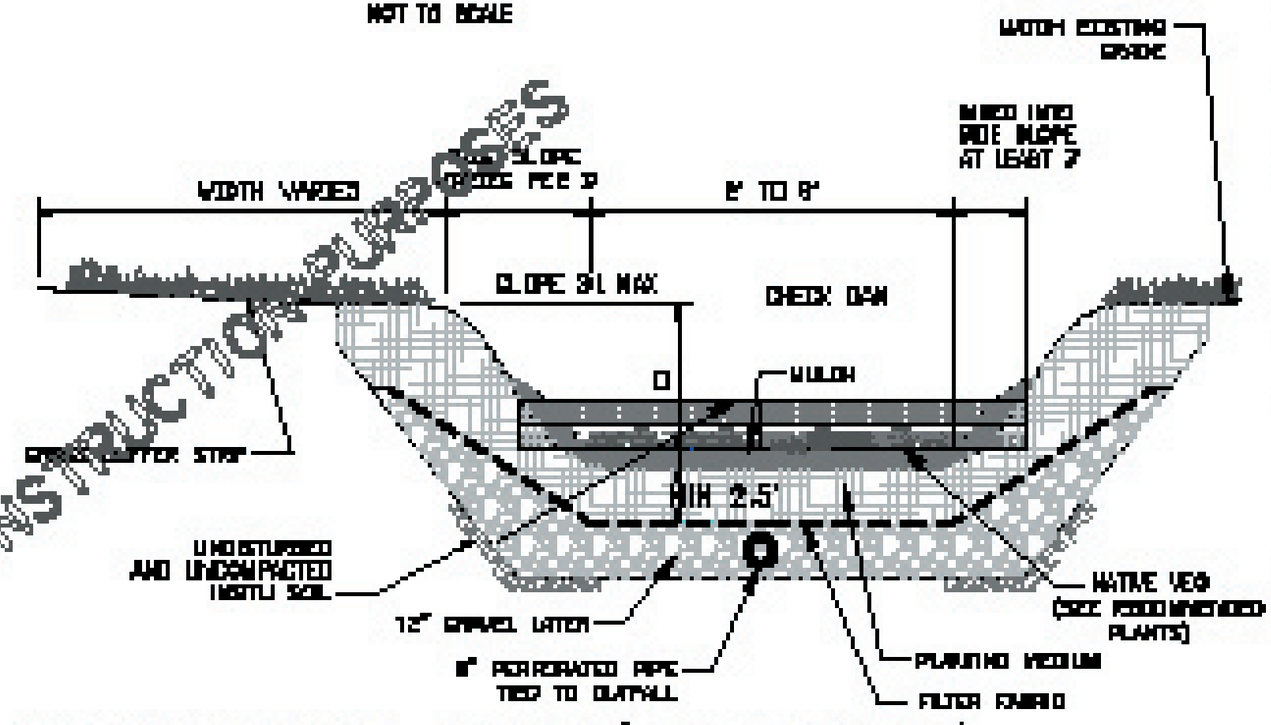
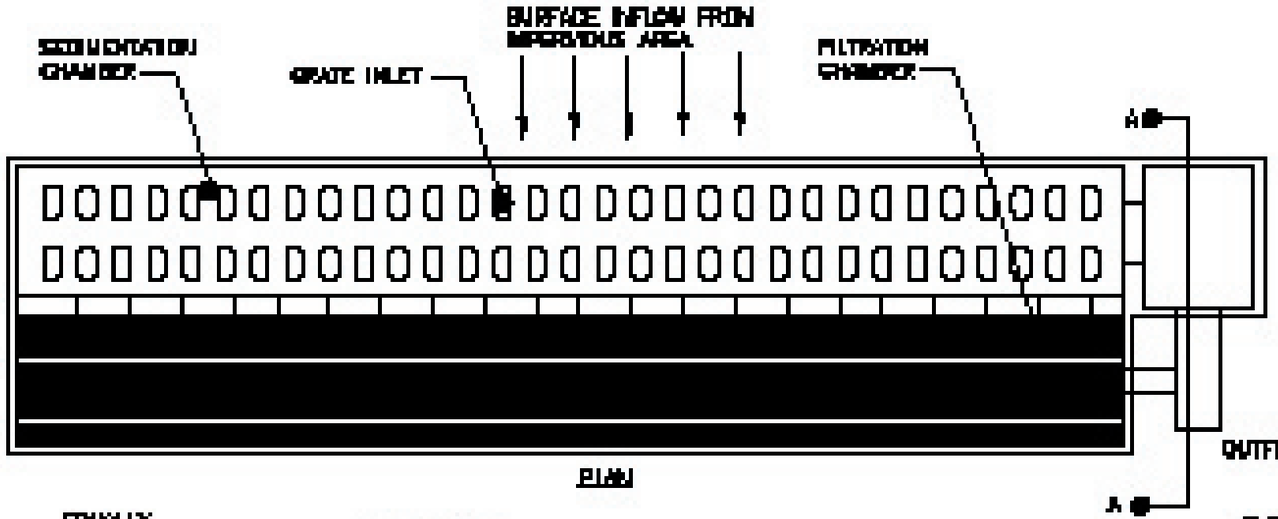


TYPICAL DRY SWALE CROSS-SECTION (WITH CHECKDAM)

NOT TO SCALE

NOT FOR CONSTRUCTION PURPOSES



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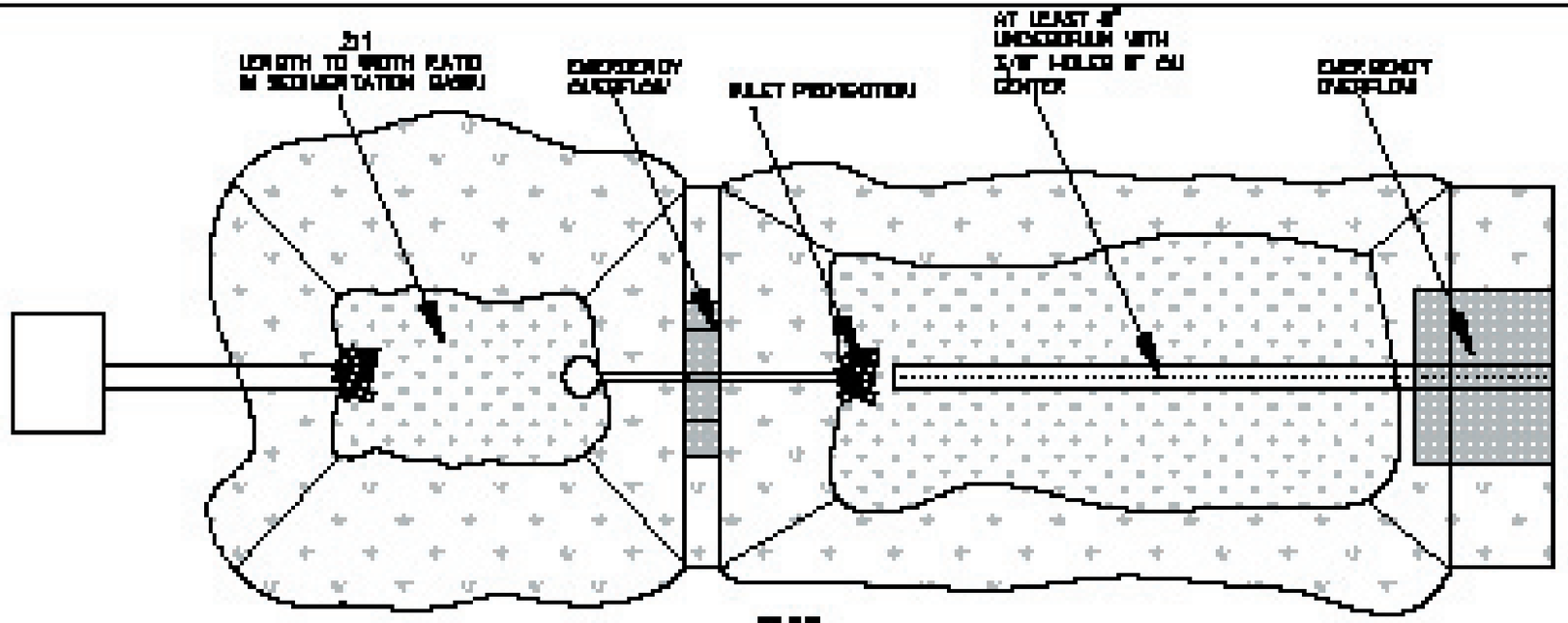
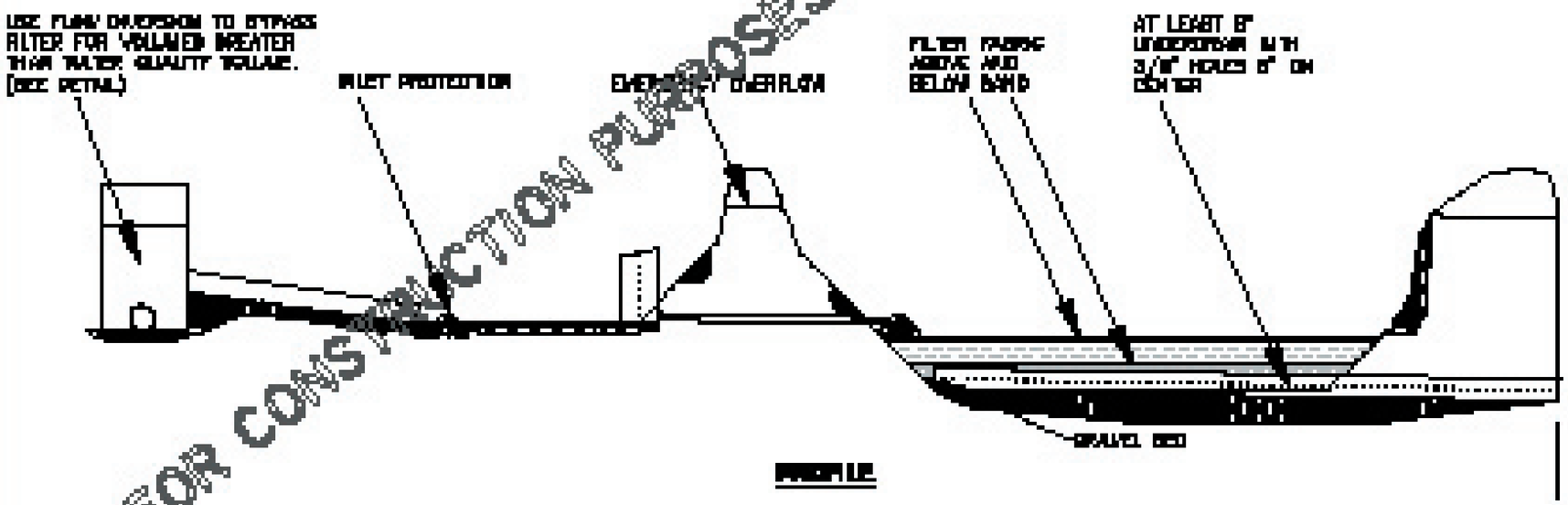
PERIMETER SAND FILTER DETAILS

NOT TO SCALE



PLAN



PROFILE

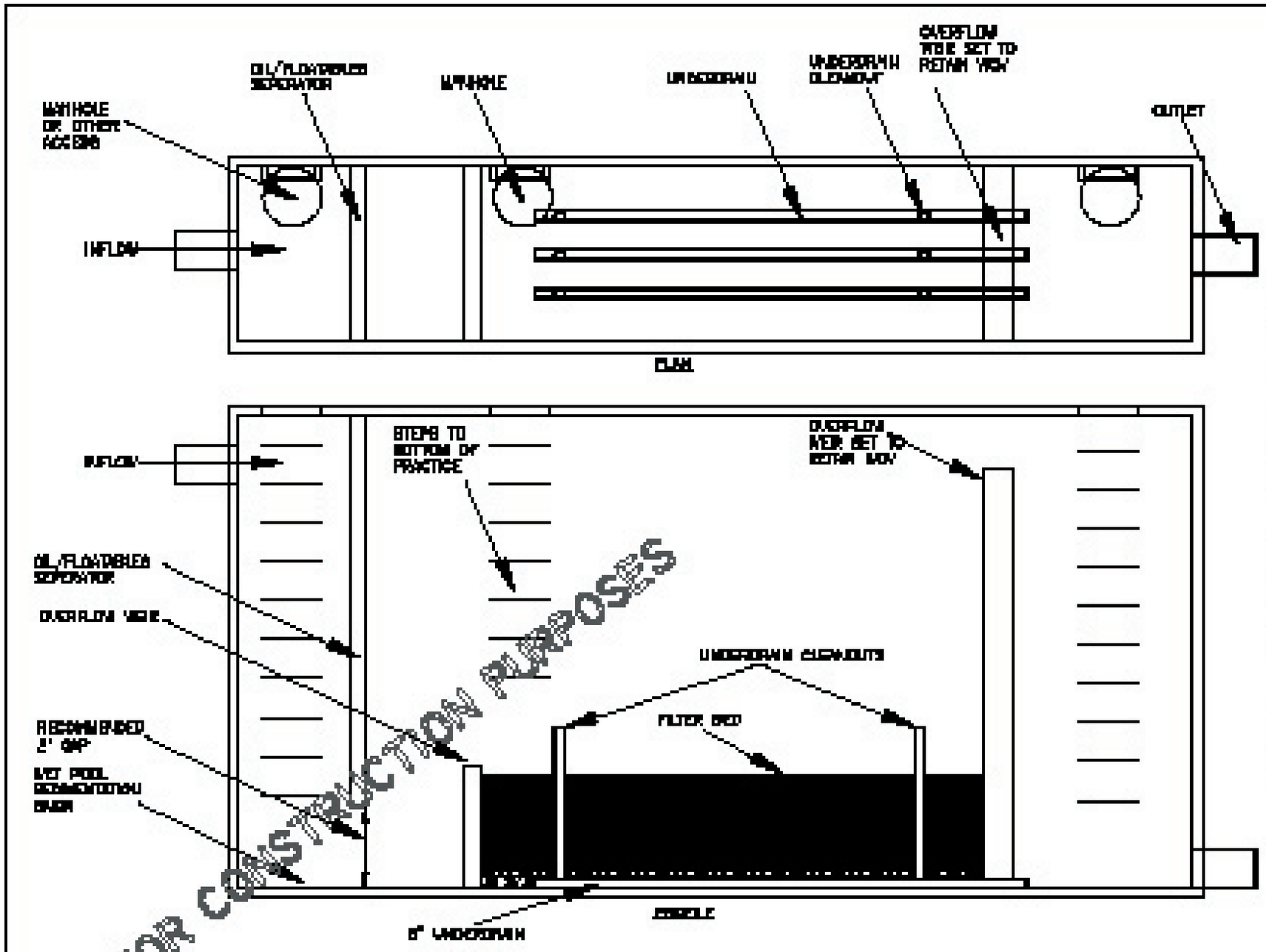
SURFACE SAND FILTER DETAILS

NOT TO SCALE

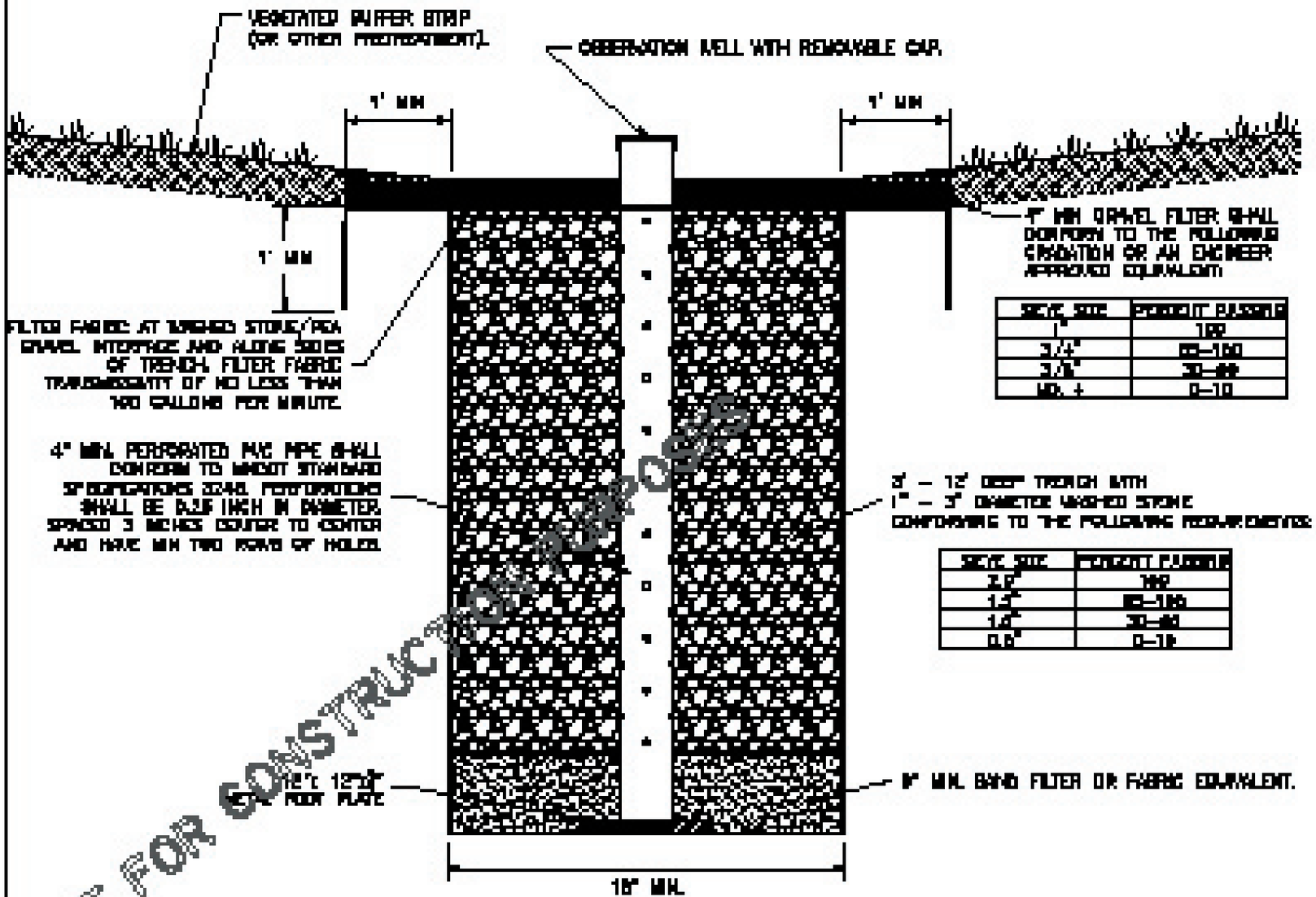
NOT FOR CONSTRUCTION PURPOSES

2005 NWA/MAG/APA STORMWATER MANUAL

SURFACE SAND FILTER DETAILS



UNDERGROUND SAND FILTER



NOT FOR CONSTRUCTION PURPOSES

TYPICAL INFILTRATION TRENCH CROSS–SECTION

NOT TO SCALE

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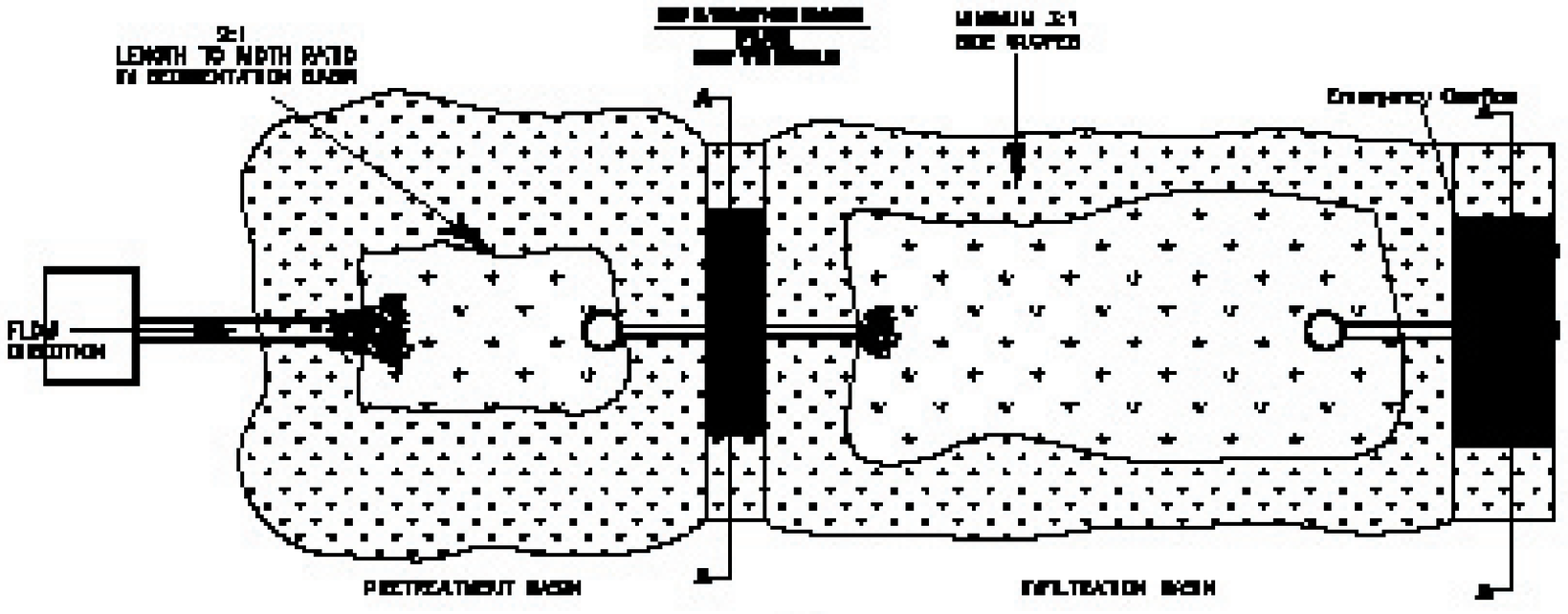
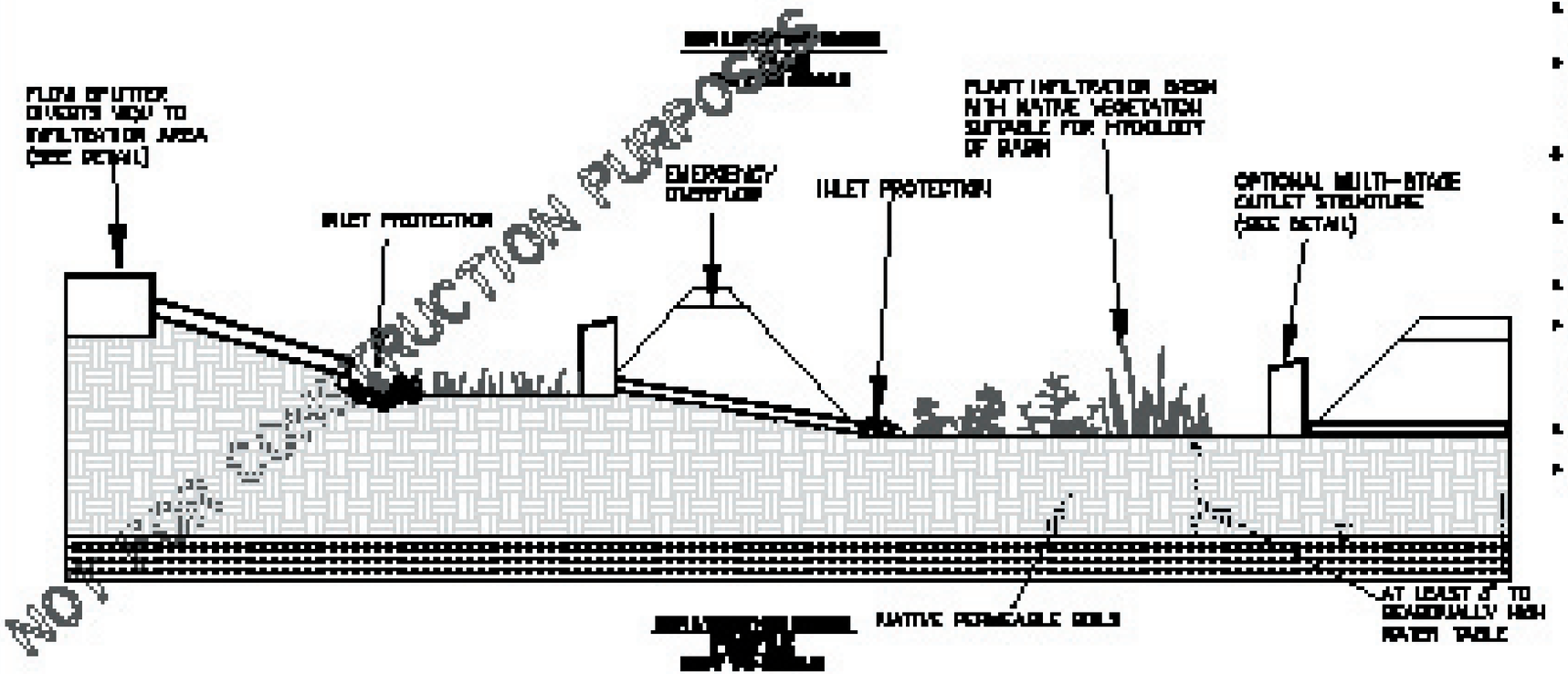
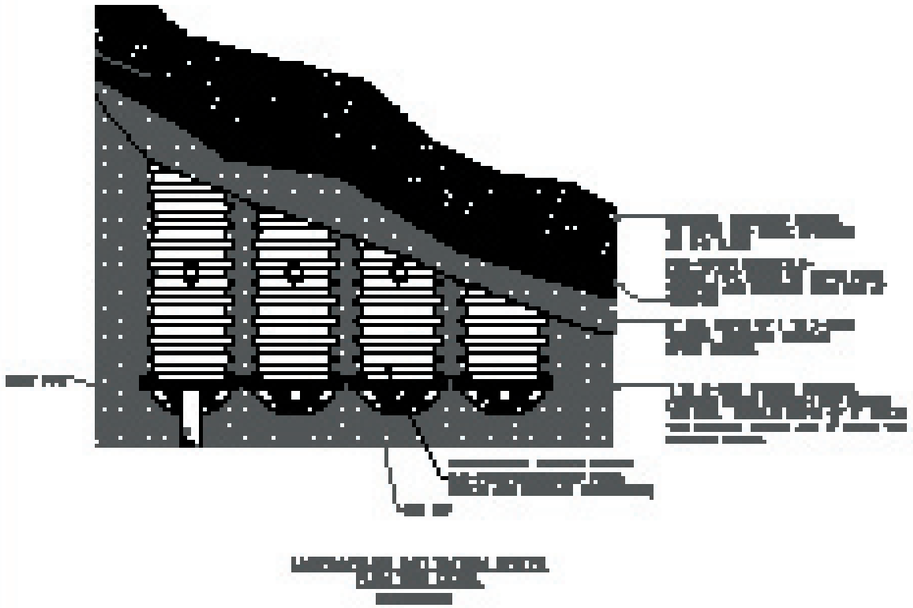
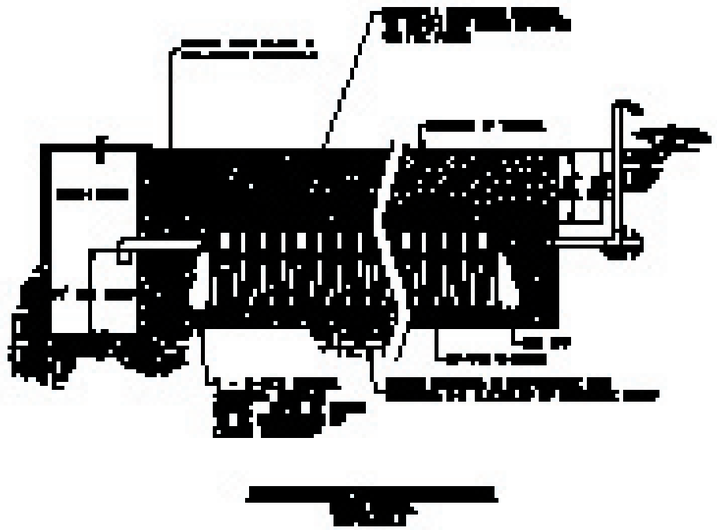
2010 NWA STORMWATER MANUAL

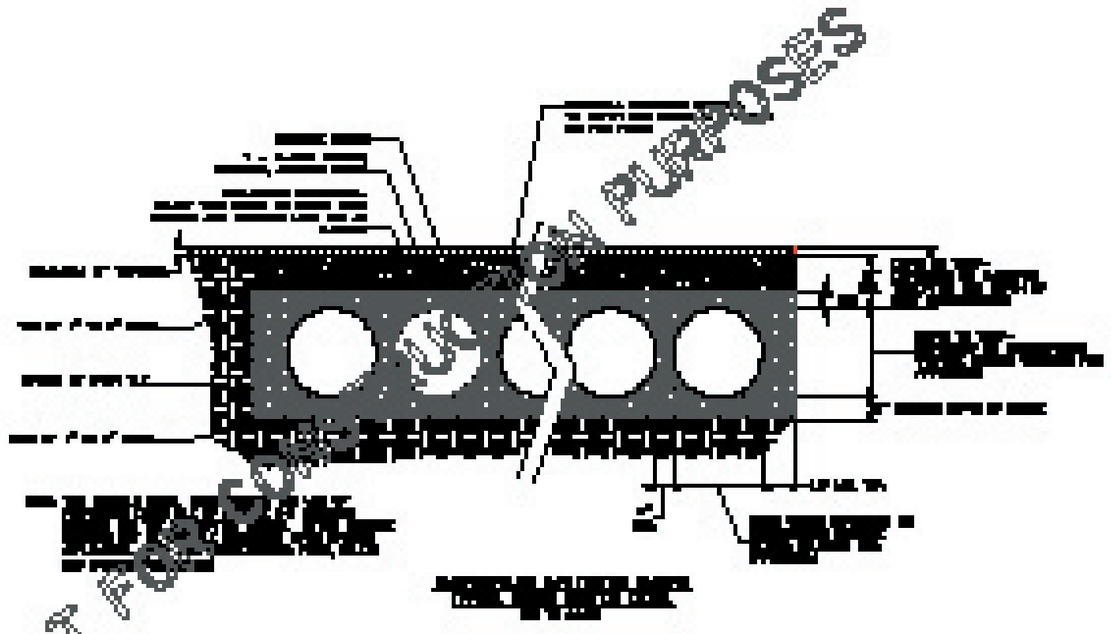
TYPICAL INFILTRATION TRENCH CROSS–SECTION


2:1
LENGTH TO WIDTH RATIO
IN DECORATION BASIN
MINIMUM 3:1
SIDE SLOPES
Emergency Overflow
FLOW
DIRECTION
PRETREATMENT BASIN
INFILTRATION BASIN


FLOW SPLITTER
DIVERTS 'WQV' TO
INFILTRATION AREA
(SEE DETAIL)
INLET PROTECTION
EMERGENCY
OVERFLOW
INLET PROTECTION
PLANT INFILTRATION BASIN
WITH NATIVE VEGETATION
SUITABLE FOR HYDROLOGY
OF BASIN
OPTIONAL MULTI-STAGE
OUTLET STRUCTURE
(SEE DETAIL)
NATIVE PERMEABLE SOILS
AT LEAST 3' TO
SEASONALLY HIGH
WATER TABLE
NOT FOR CONSTRUCTION PURPOSES



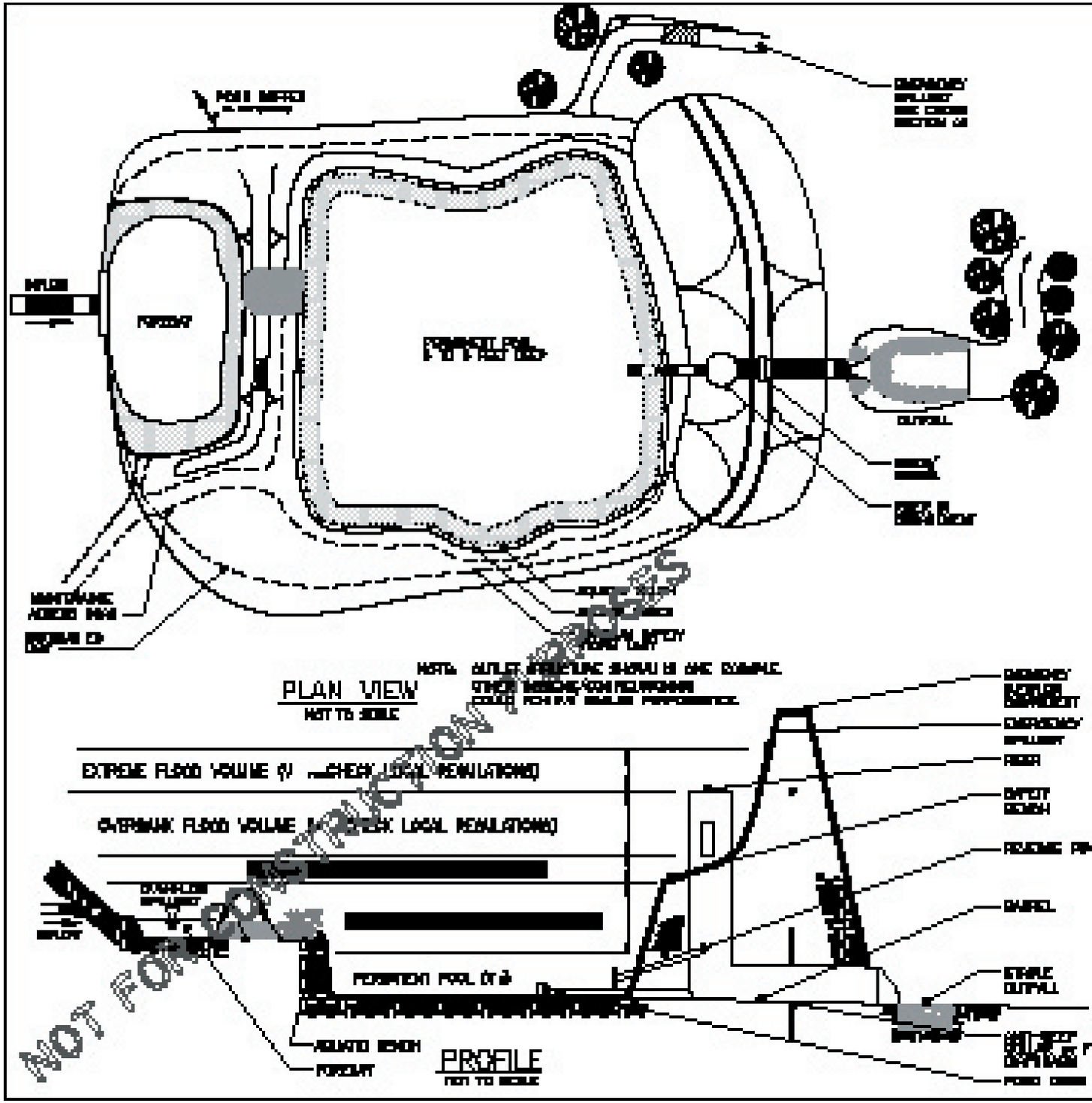




INFILTRATION SUBSURFACE PLANS & PROFILE

NOT TO SCALE

NOT FOR CONSTRUCTION PURPOSES



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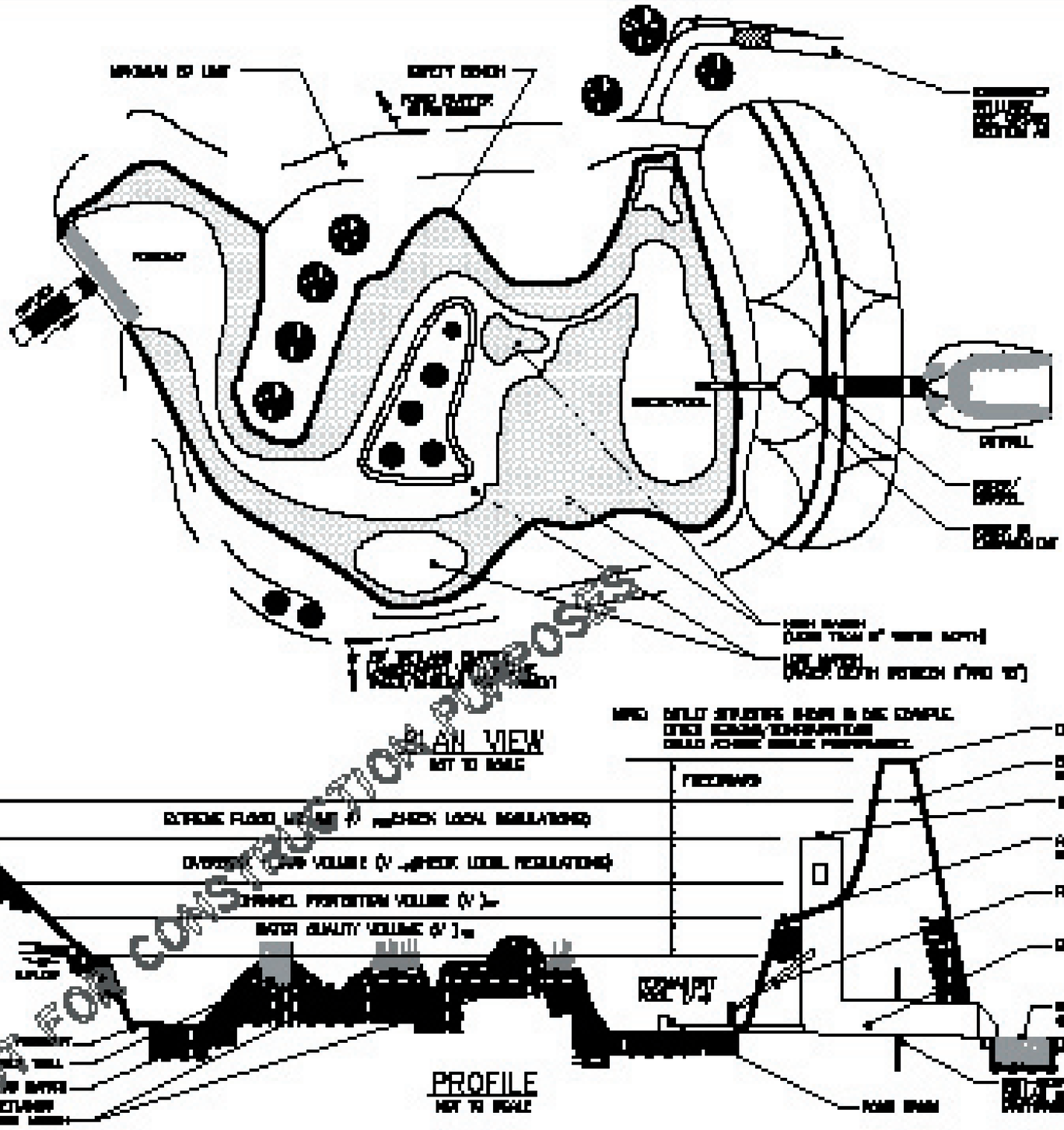

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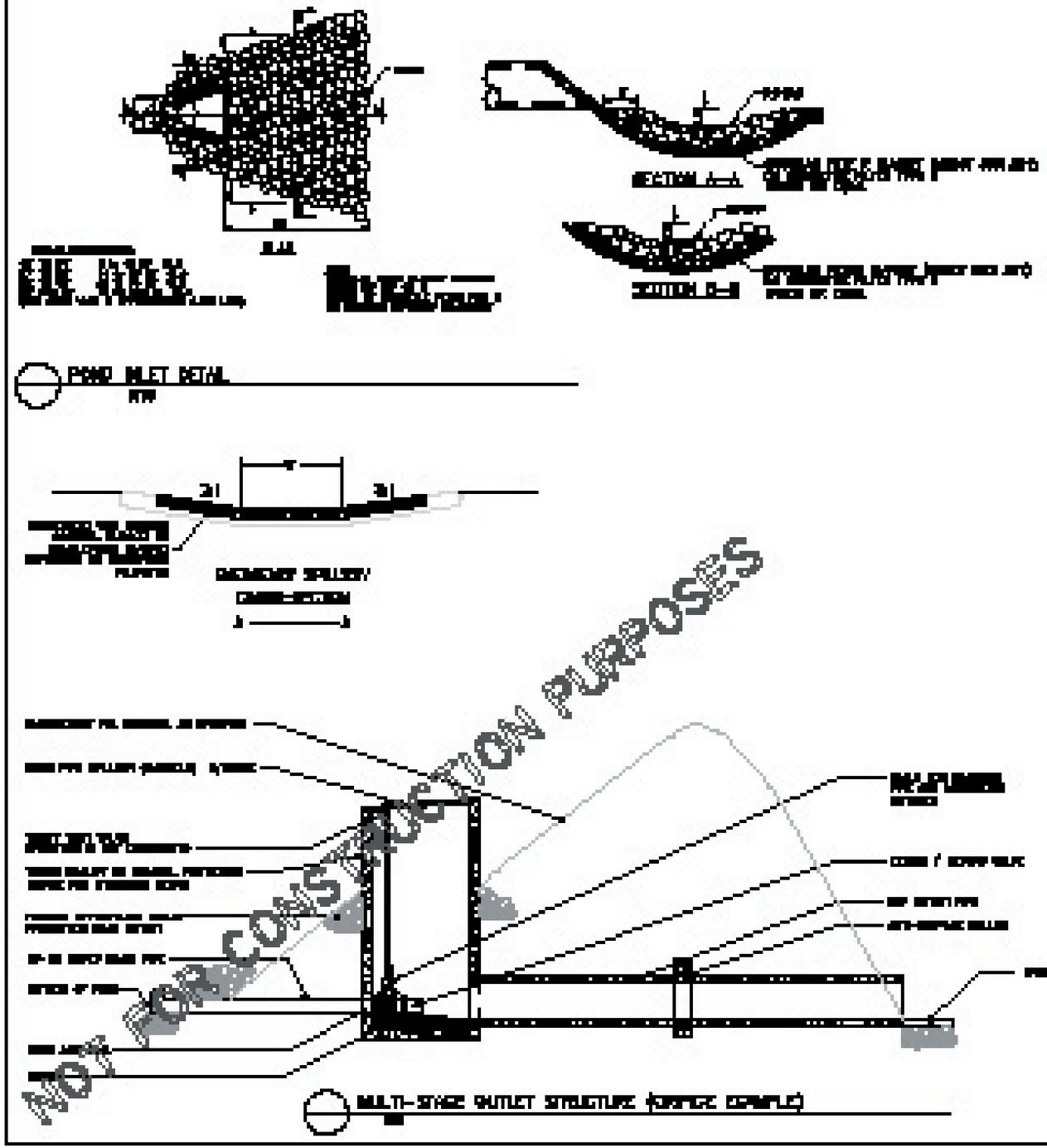

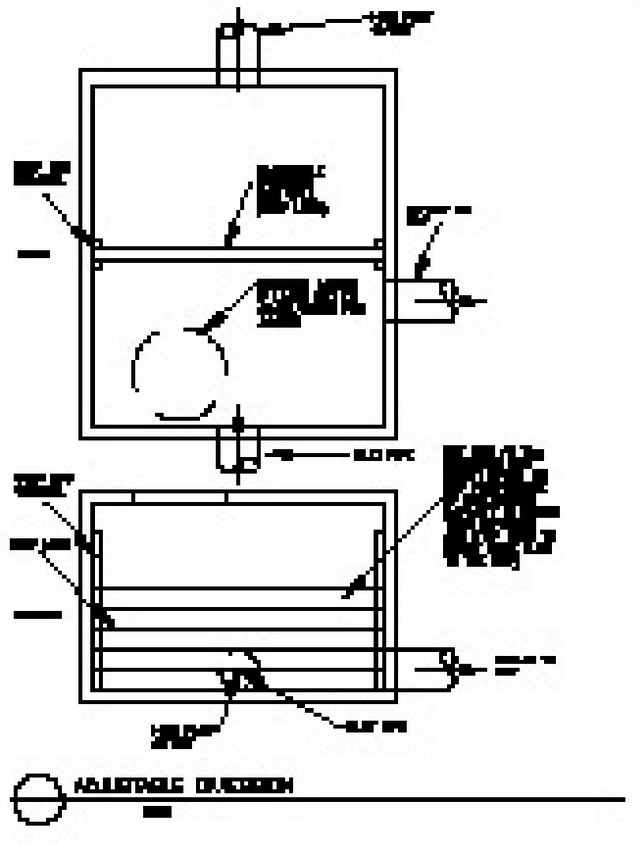

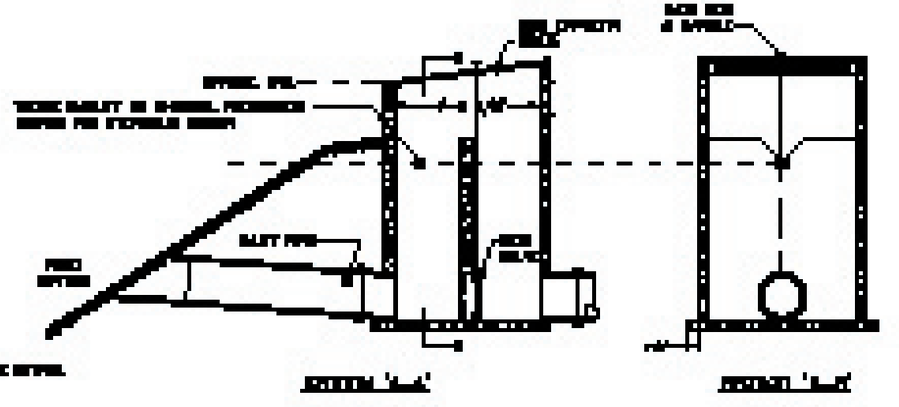

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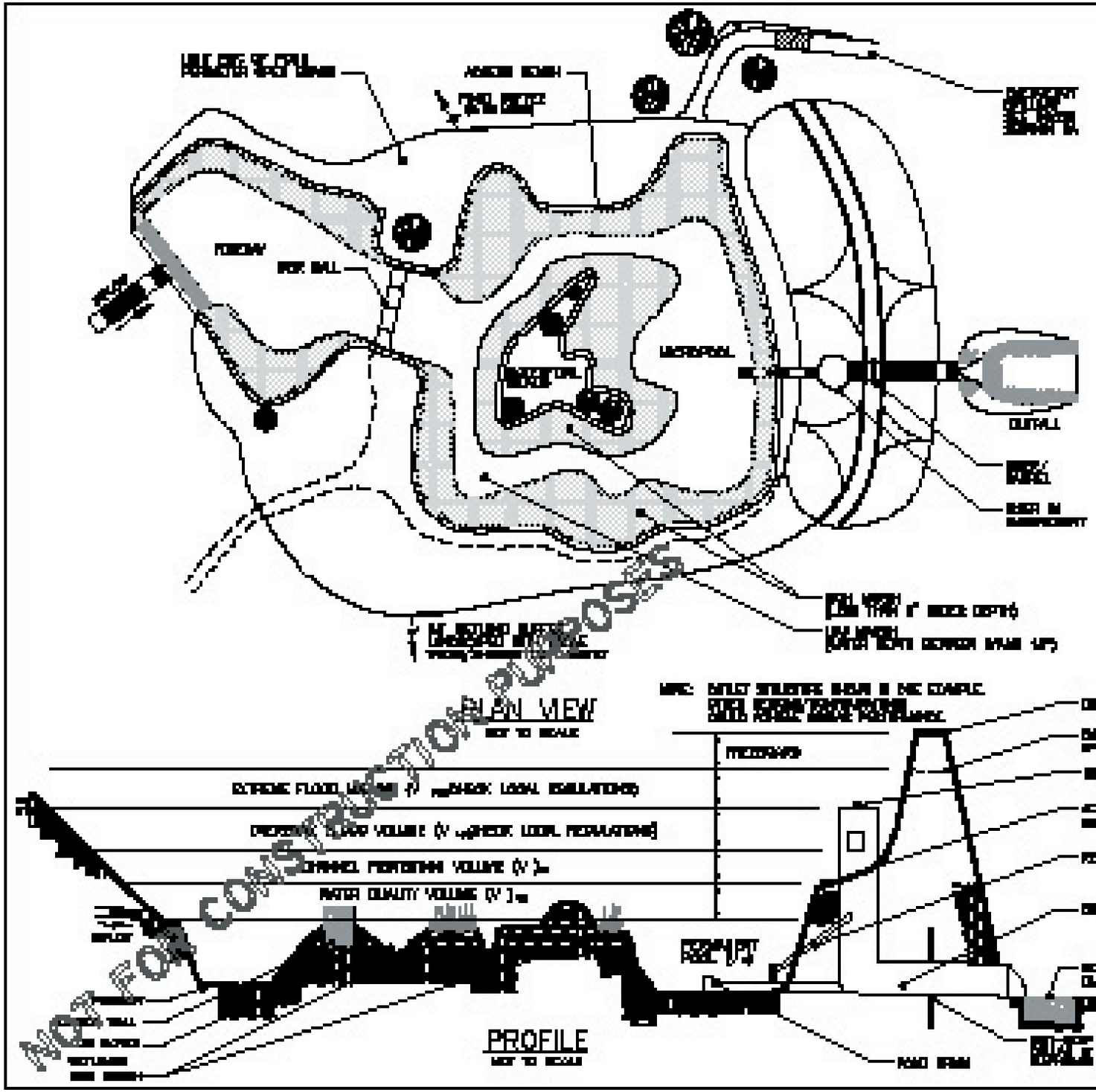

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