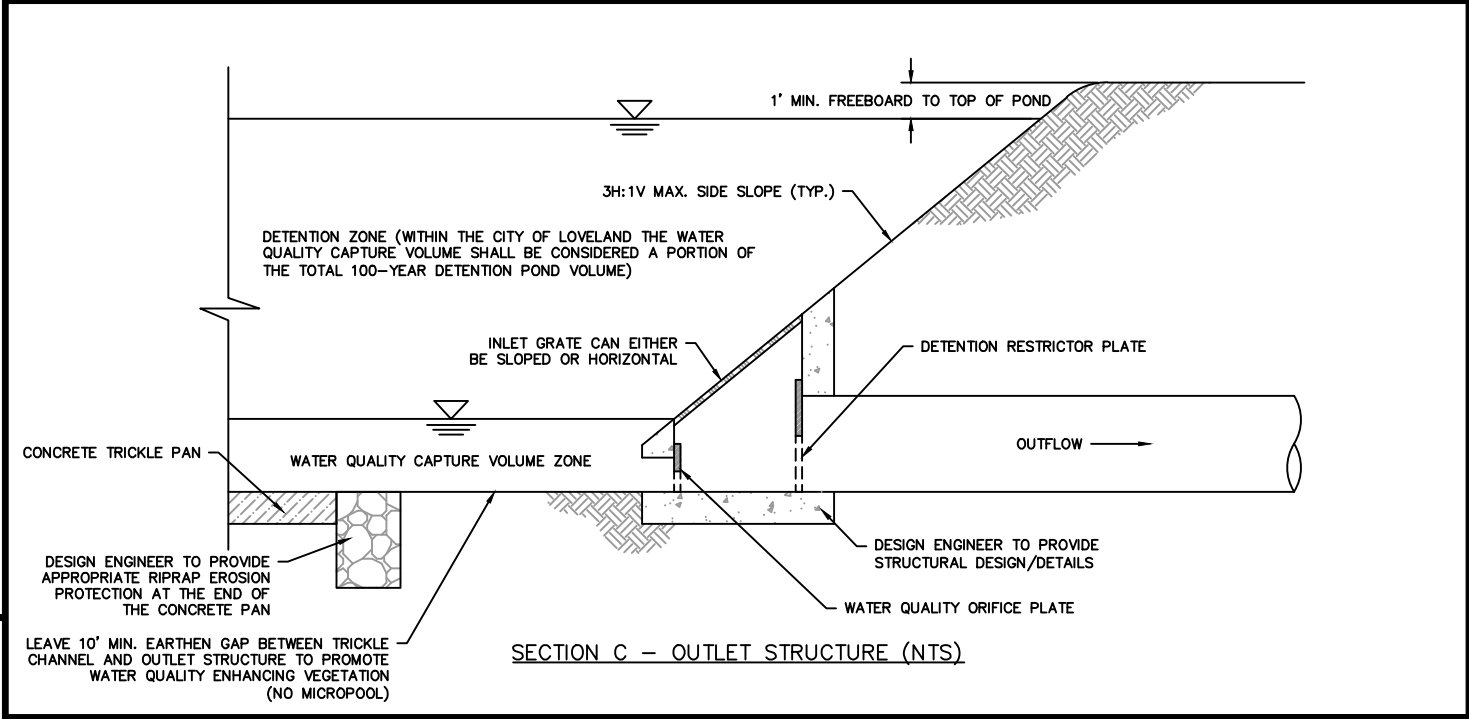
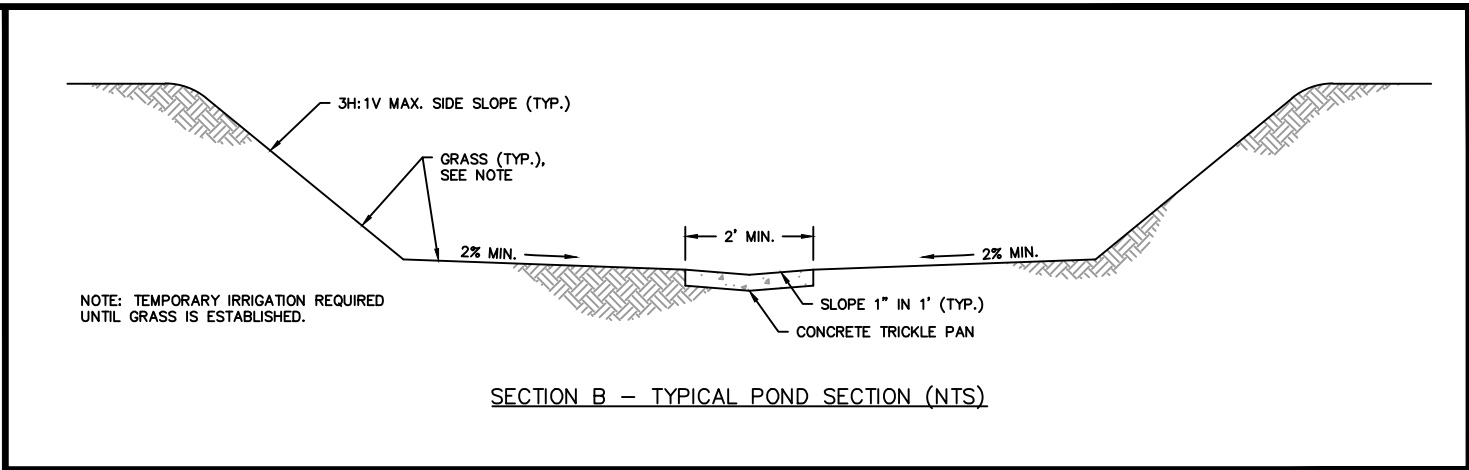
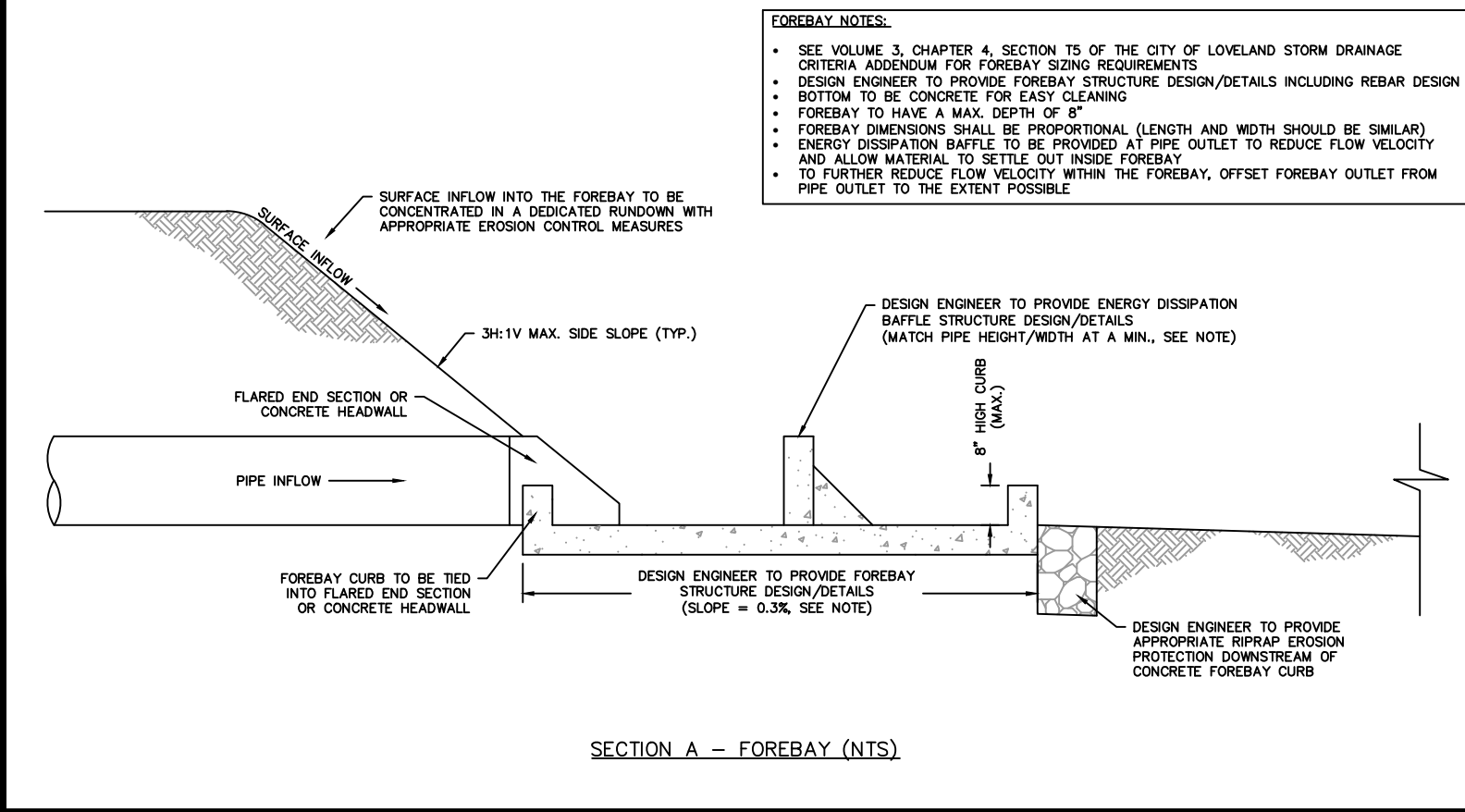


TYPICAL EXTENDED DETENTION BASIN WITH FOREBAY PLAN VIEW (NTS)



- FOREBAY NOTES:**
- SEE VOLUME 3, CHAPTER 4, SECTION 15 OF THE CITY OF LOVELAND STORM DRAINAGE CRITERIA ADDENDUM FOR FOREBAY SIZING REQUIREMENTS
  - DESIGN ENGINEER TO PROVIDE FOREBAY STRUCTURE DESIGN/DETAILS INCLUDING REBAR DESIGN
  - BOTTOM TO BE CONCRETE FOR EASY CLEANING
  - FOREBAY TO HAVE A MAX. DEPTH OF 8"
  - FOREBAY DIMENSIONS SHALL BE PROPORTIONAL (LENGTH AND WIDTH SHOULD BE SIMILAR)
  - ENERGY DISSIPATION BAFFLE TO BE PROVIDED AT PIPE OUTLET TO REDUCE FLOW VELOCITY AND ALLOW MATERIAL TO SETTLE OUT INSIDE FOREBAY
  - TO FURTHER REDUCE FLOW VELOCITY WITHIN THE FOREBAY, OFFSET FOREBAY OUTLET FROM PIPE OUTLET TO THE EXTENT POSSIBLE



**EXTENDED DETENTION SEED MIX\***

SEEDING RATE: 25 LBS PER ACRE DRILLED OR 50 LBS PER ACRE BROADCAST (DRILL SEED IS RECOMMENDED)

COMMON NAME	SCIENTIFIC NAME	SEEDS PER LB	% IN MIX
WESTERN WHEATGRASS	PASCOPYRUM SMITHII	110,000	25
SIDEOATS GRAMA	BOUPELOUA CURTIPENDULA	190,000	5
BLUE GRAMA	CHONDROSUM GRACILE	825,000	15
BUFFALOGRASS	BUCHLOE DACTYLOIDES	56,000	20
ISLAND SALTGRASS	DISTICHLIS STRICTA	603,820	5
CANADA WILD RYE	ELYMUS CANADENSIS	115,000	10
SWITCHGRASS	PANICUM VIRGATUM	389,000	5
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	260,000	5
SAND DROPSEED	SPOROBOLUS CRYPTANDRUS	5,200,000	5
STREAMBANK WHEATGRASS	ELYMUS LANCEOLIATUS SSP. LANCEOLATUS	135,000	5

\*NATIVE SEED MIX CAN BE REPLACED WITH ACCEPTABLE SEED/SOD BY THE DESIGN ENGINEER AS APPROVED BY THE CITY OF LOVELAND

**NATIVE SEED MIX FOR EXTENDED DETENTION BASINS (OPTIONAL)**

**EXTENDED DETENTION BASIN WITH FOREBAY**



CITY OF LOVELAND  
PUBLIC WORKS DEPT.  
STORMWATER

STORMWATER  
CONSTRUCTION  
DRAWINGS

APPROVED: **KWG**  
DATE: **JANUARY 2021**  
DRAWN BY: **AMH**

DRAWING  
**SW-21**