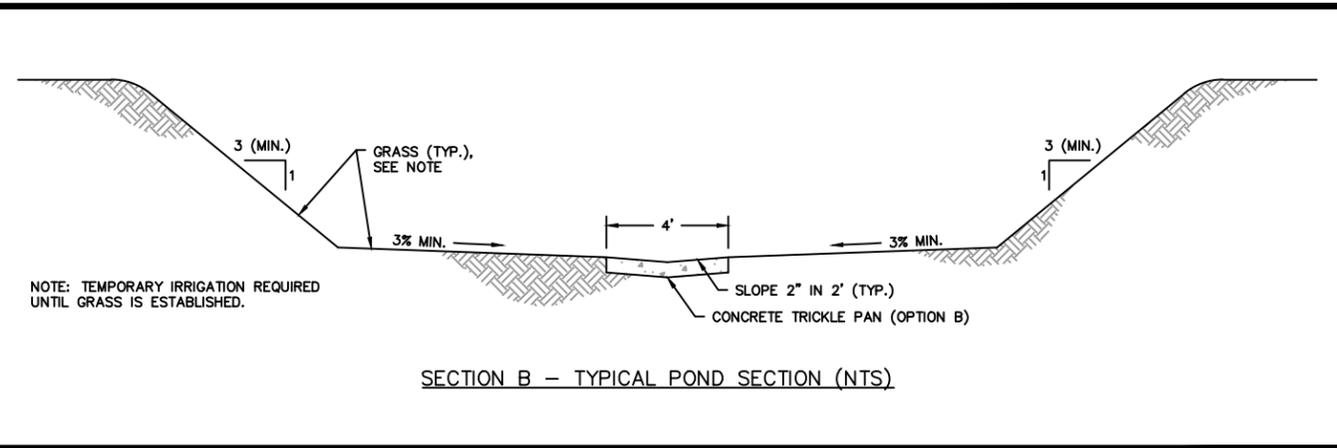
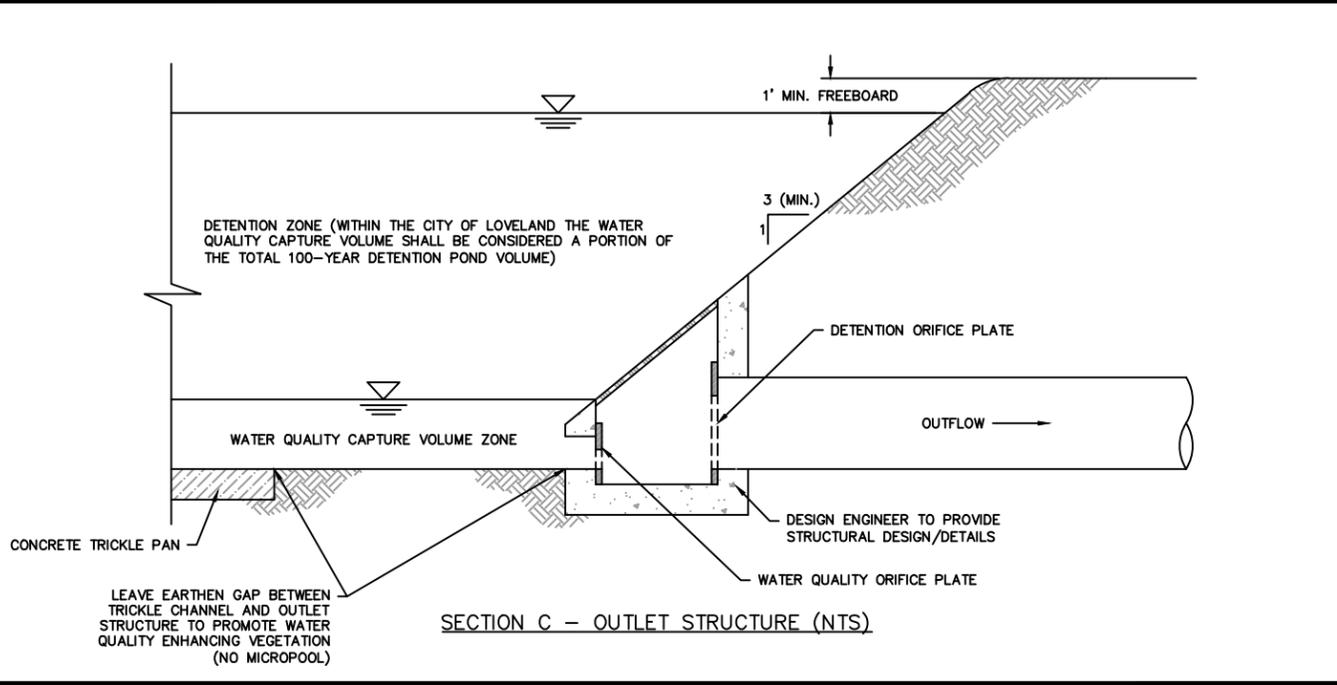


TYPICAL EXTENDED DETENTION BASIN WITH FOREBAY PLAN VIEW (NTS)



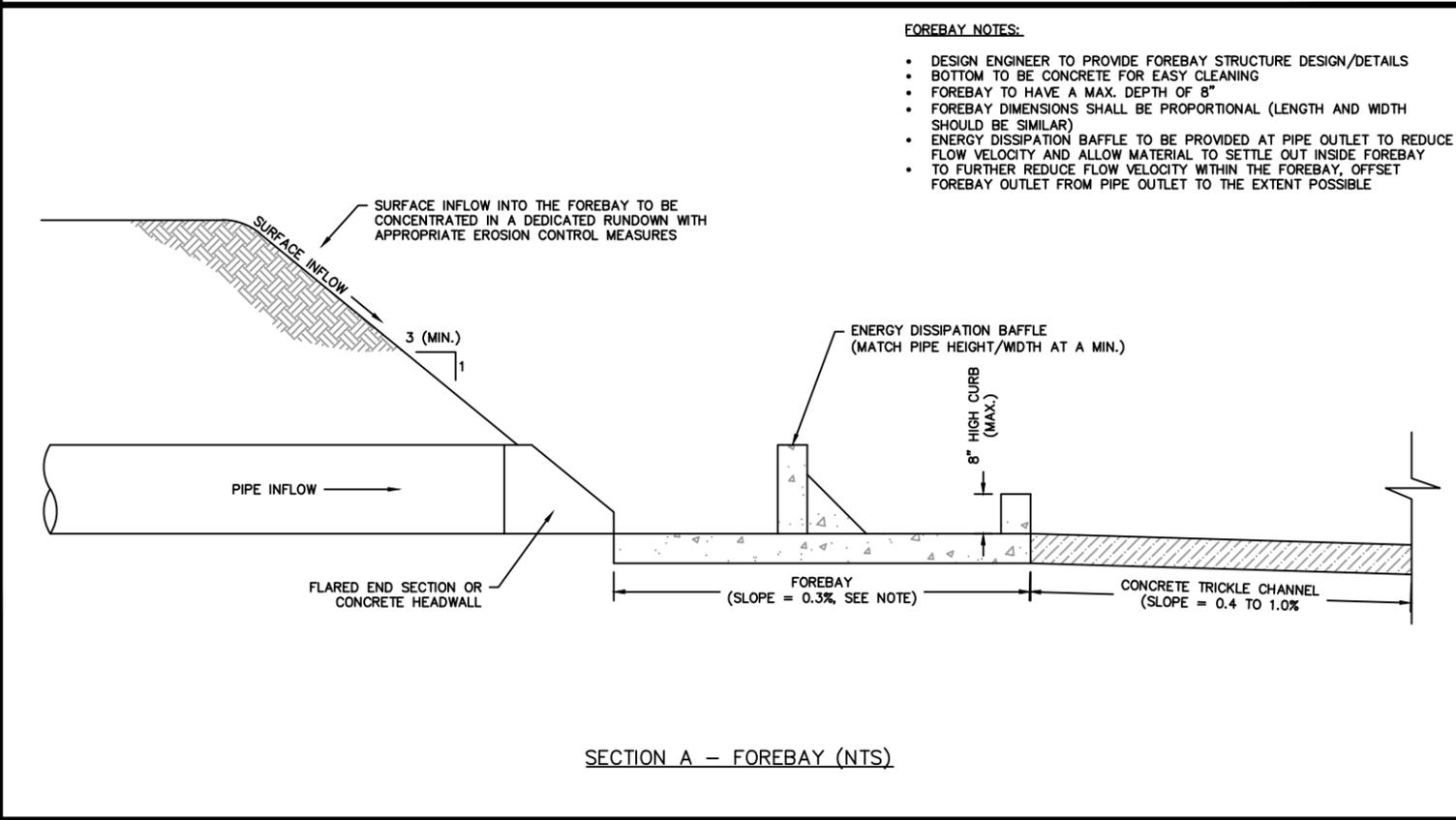
SECTION B - TYPICAL POND SECTION (NTS)



SECTION C - OUTLET STRUCTURE (NTS)

FOREBAY NOTES:

- DESIGN ENGINEER TO PROVIDE FOREBAY STRUCTURE DESIGN/DETAILS
- 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



SECTION A - FOREBAY (NTS)

| 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: **SEPTEMBER 2020**
DRAWN BY: **AMH**

DRAWING
SW-21