



**NOTES:**

1. PERFORATED DRAIN PIPE TO BE NDS PLASTIC FLEXIBLE CORRUGATED SINGLE WALL DELIVERED TO THE SITE IN MIN. 250 LF ROLLS. PIPE TO BE SEAMLESS PER TRENCH RUN AND INSTALLED AT 10'-0" O.C. THROUGHOUT TARGET DRAIN AREA. USE 4" DIA. PLASTIC N-12 DUAL WALL (SMOOTH INTERIOR, CORRUGATED EXTERIOR) SOLID PIPE FOR COLLECTION LINE(S).
2. TRENCHING OPERATIONS SHALL BE PERFORMED SO THAT ALL SPOILS ARE ELEVATED BY A MEANS OF CONVEYANCE AND REMOVED FROM SITE WITHOUT TURF CONTACT. ALL TRENCHING SHALL BE AN AUTOMATED ONE STEP OPERATION TO MINIMIZE SITE COMPACTION AND DISTURBANCE.
3. PIPE SHALL BE MECHANICALLY INSTALLED TO ENSURE PRECISE ENVELOP OF FILL MATERIAL AND TO ENSURE THAT PIPE INSTALLATION IS ABOVE TRENCH BOTTOM AND CENTERED BETWEEN TRENCH WALLS. BACKFILL MEDIUM TO BE COMPACTED IN LIFTS/LAYERS TO PREVENT SETTLING. PIPE PLACEMENT TO BE AN AUTOMATED ONE STEP PROCESS TO MINIMIZE SITE COMPACTION AND DISTURBANCE.
4. DEPTH OF TRENCH WILL VARY DEPENDING ON SITE TOPOGRAPHY. MAINTAIN A MIN. 8" COVER OVER ALL DRAIN PIPE. MAINTAIN NO LESS THAN 1% SLOPE FROM TARGET DRAIN AREA TO COLLECTION LINE(S). TRENCHING SHALL EMPLOY AUTOMATED LASER GUIDE TO ENSURE POSITIVE FLOW.
5. ALL INSTALLATION EQUIPMENT SHALL BE TURF RATED SO NOT TO EXCEED GROUND PRESSURE OF 15 PSI, LOADED.
6. USE NO FILTER FABRIC UNLESS OTHERWISE SPECIFIED.
7. SAND MEDIUM BACKFILL MATERIAL SHALL MEET SIEVE ANALYSIS AS ESTABLISHED BY THE UNITED STATES GOLF ASSOCIATION (USGA) STANDARDS, OR APPROVED EQUAL.
8. FARM GROWN SOD SHALL BE PERENNIAL RYE GROWN LOCALLY IN THE PACIFIC NORTHWEST/BRITISH COLUMBIA REGION WITHIN A MEDIUM CONTAINING NO LESS THAN 95% SAND AND NO NETTING. SOD SHALL BE CUT FROM THE SUPPLIER'S FIELD, DELIVERED TO THE PROJECT SITE AND INSTALLED WITHIN A 48 HOUR WINDOW.
9. HYDROSEED SHALL BE A PERENNIAL RYE MIX CONTAINING NO LESS THAN 98% PURE RYEGRASS SEED AND NO MORE THAN 0.5% WEED SEED.



**City of  
Bellevue**

TITLE:

**DRAINAGE - SUBSURFACE DRAIN FOR NATURAL  
SPORT FIELD TURF AREAS**

DRAWING #:	PK-IM-08C
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS