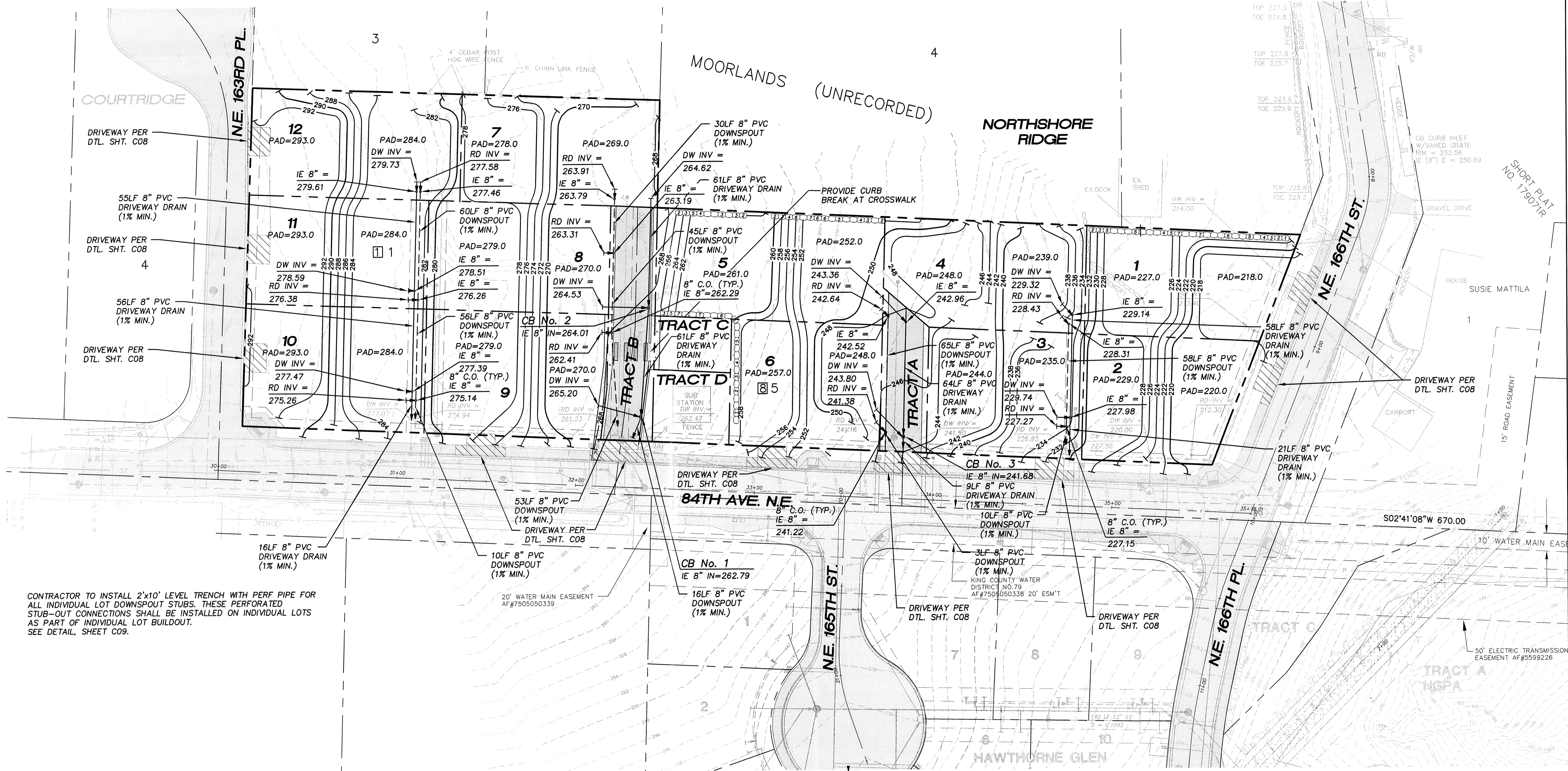
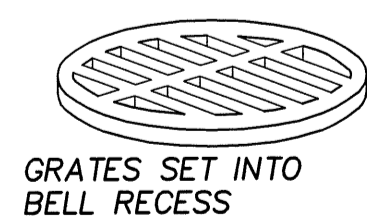
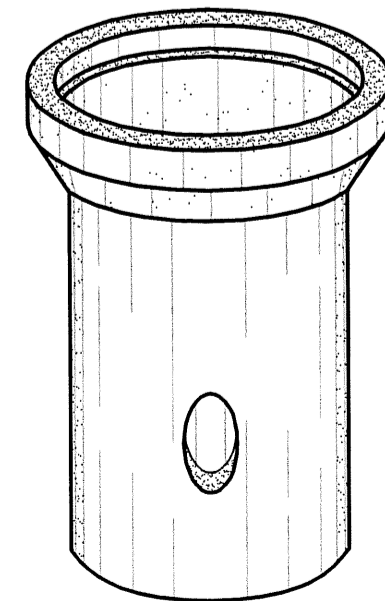


A PORTION OF THE SE1/4, SE1/4, SEC 12, NE1/4, NE1/4, SEC 13, TWP 26N, RGE 4E, W.M. KING COUNTY



CONTRACTOR TO INSTALL 2'x10' LEVEL TRENCH WITH PERF PIPE FOR ALL INDIVIDUAL LOT DOWNSPOUT STUBS. THESE PERFORATED STUB-OUT CONNECTIONS SHALL BE INSTALLED ON INDIVIDUAL LOTS AS PART OF INDIVIDUAL LOT BUILDOUT. SEE DETAIL, SHEET C09.

TYPE 45 CATCH BASINS (PACIFIC INTERNATIONAL PIPE & ENGINEERING, INC.)



THESE ARE USED AS INEXPENSIVE CATCH BASINS IN RESIDENTIAL AND COMMERCIAL PROJECTS. A KNOCKOUT IS PROVIDED TO ASSIST CONTRACTOR IN FORMING AN OUTLET OPENING. BASE SLABS AVAILABLE.

INSIDE DIAMETER	12" T & G	18"	24"	24" T & G
DEPTH	36"	36"	36"	36" OR 48"
WALL THICKNESS	2"	2-1/2"	3-1/4"	3"
BELL O.D.	16"	27"	33"	30"
BELL I.D.	14"	22"	27-7/8"	27-1/2"
BELL DEPTH	1-3/8"	3-1/2"	3-1/2"	2"
GRATE DIAMETER	13-7/8"	21-7/8"	27-3/4"	27"
GRATE THICKNESS	1-7/16"	3-1/2"	3-1/2"	2"
APPROX. WEIGHT	300#	400#	975#	825#, 1100#

THE ABOVE ARE AVAILABLE WITH PERFORATIONS.

YARD DRAIN

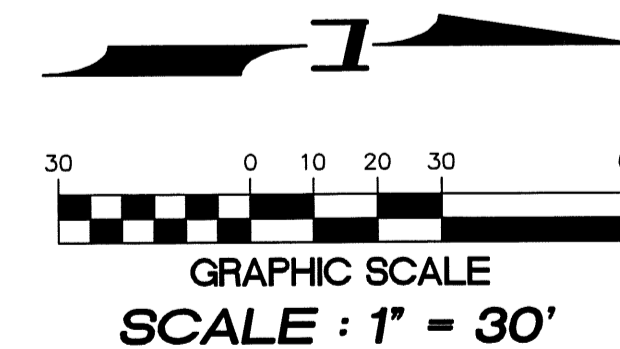
N.T.S.

LEGEND

- ▬ CB TYPE 1 PER DTL. SHT. C09
- 6" - 1 8" PROPOSED 8" DOWNSPOUT MANIFOLD
- 8" - 6" PROPOSED 6" DRIVEWAY DRAIN CONNECTION

NOTES :

1. STUB INVERTS LABELED "DW" ARE FOR DRIVEWAYS
STUB INVERTS LABELED "RD" ARE FOR ROOF DOWNSPOUTS
2. FOOTING DRAINS TO BE CONNECTED TO DOWNSPOUT DRAINAGE SYSTEM DOWNSTREAM OF DOWNSPOUT CONNECTION (TYP. EACH LOT).
3. WHERE FEASIBLE, INSTALL DOWNSPOUT COLLECTION SYSTEM AND DRIVEWAY COLLECTION SYSTEM IN COMMON TRENCH.
4. CONNECTION BETWEEN DOWNSPOUT COLLECTION SYSTEMS AND DRIVEWAY COLLECTION SYSTEMS ARE NOT ALLOWED.



BENCH MARK

TOP OF CONCRETE MON IN CASE AT INTERSECTION OF NE 155TH PL AND 84TH AVE. NE (E1/4, SEC13)
ELEV = 465.90' NGVD '29
465.90' + 3.59
ELEV = 469.49' NAVD 88

BASIS OF BEARING
KING COUNTY CONTROL SURVEY



15445 53RD AVE S.
SEATTLE, WA, 98188
PHONE: (206) 431-7970
FAX: (206) 388-1648
WEB SITE: PACENG.COM

Pacific Engineering Design, LLC
Civil Engineering and Planning Consultants

NORTHSHORE RIDGE
KENMORE, WA

FOR:
NORTHSHORE UTILITY DISTRICT
P.O. BOX 82489
KENMORE, WA 98028-0489
PHONE: (425) 946-4400
FAX: (425) 938-4430

PROJECT NO.: **04094**
DRAWN BY: **JGC**
ISSUE DATE: **01-28-05**
SHEET REV.: **07-31-06**

GRADING AND DRAINAGE PLAN

04094GR01-C07.DWG
C07
SHEET 7 OF 10