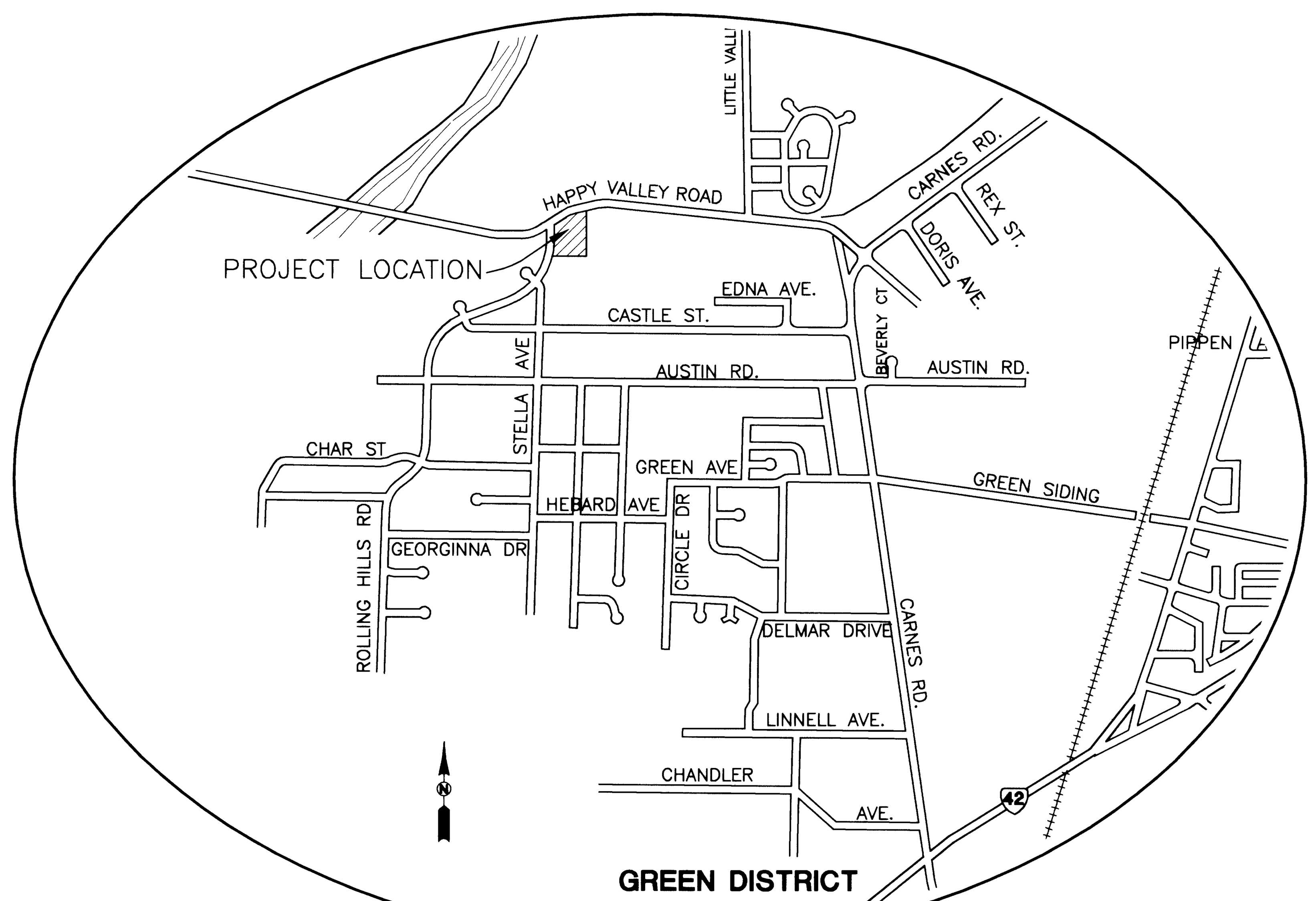
BUNTING COURT SUBDIVISION

FILED
Date: 9-4-2007 By: JP
This survey consists of: 8 Pgs.
Map: Co. Rd. 375 M
Narrative:
Corner Rpt:
DOUGLAS COUNTY SURVEYOR



VICINITY MAP
NTS

GENERAL WATER NOTES

1. ALL WATER SYSTEM WORK SHALL BE IN CONFORMANCE WITH ROBERTS CREEK WATER DISTRICT RULES AND REGULATIONS. IN CASES OF CONFLICT ROBERTS CREEK SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATION. DEVELOPER OR CONTRACTOR SHALL WARRANTY WATERLINE FOR 2 YEARS AFTER FINAL ACCEPTANCE.

2. ALL PIPE FOR WATER MAINLINES SHALL BE, AWWA C-900 CLASS 150 PVC PIPE; OR DUCTILE IRON CLASS 50, EXCEPT 4" SHALL BE CLASS 52 AND 6" SHALL BE CLASS 51.

3. THE CONTRACTOR SHALL FLUSH, HYDROSTATICALLY TEST AND CHLORINATE ALL NEW WATER MAINLINES INSTALLED. THE ENGINEER AND ROBERTS CREEK WATER DISTRICT SHALL WITNESS ALL TESTS MADE BY THE CONTRACTOR TO INSURE THEY ARE PERFORMED PROPERLY. COMPLETED WATERLINES SHALL BE CHLORINATED AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF ORS 333.61050 (11).

4. ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY ROBERTS CREEK WATER DISTRICT. THE CONTRACTOR SHALL GIVE THE DISTRICT 48 HOURS NOTICE PRIOR TO BEGINNING CONSTRUCTION. ALL SEGMENTS OF THE WATER LINE SHALL BE INSPECTED BY THE DISTRICTS INSPECTOR, BEFORE THE CONTRACTOR COVERS THE PIPE.

5. NO OTHER MAJOR UTILITIES SHALL RUN PARALLEL WITHIN 5 FEET OF THE NEW WATER MAIN.

6. THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS AND FITTINGS AS PER STANDARD DRAWING.

7. WATER SERVICE SHALL BE 1" POLYETHYLENE PER ROBERTS CREEK STANDARD DETAIL. CONTRACTOR TO INSTALL ALL ROAD SERVICE CROSSINGS IN (1 ½" MIN.) SCH 40 PVC CONDUIT.

8. ALL MJ FITTINGS SHALL HAVE MEGA LUG RESTRAINT RINGS IN ADDITION TO THRUST BLOCKS.

9. PIPE BEDDING SHALL BE REJECT SAND PER ROBERTS CREEK WATER DISTRICT SPECIFICATIONS (OR APPROVED).

10. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS REGARDING THE CONSTRUCTION OF THIS PROJECT. NO WATER LINE CONSTRUCTION SHALL BEGIN UNTIL WRITTEN APPROVAL OF THE CONSTRUCTION PLANS IS RECEIVED FROM THE OREGON HEALTH DIVISION. UNLESS IT EXISTS ON THE APPROVED DISTRICT MASTER PLAN.

11. VALVES SHALL BE RESILIENT SEAT GATE VALVES, PER AWWA C-509 MUELLER, KENNEDY, CLOW, OR APPROVED.

12. FITTINGS SHALL BE DUCTILE IRON PER AWWA C-110, 250 P.S.I. RATING, WITH MECHANICAL JOINT OR FLANGED ENDS, AS DETAILED.

13. 12 GA. SOLID COPPER TONING WIRE, BLUE INSULATED FOR IN GROUND USE SHALL BE INSTALLED DIRECTLY OVER ALL WATER MAIN AND SERVICE LINE INSTALLATIONS. WIRE SHALL BE BROUGHT TO THE SURFACE AT ALL VALVES, HYDRANTS AND METER BOXES. SPLICES FROM MAIN LINE TO SERVICE LINE TONING WIRE SHALL BE MADE WITH 3M-DIRECT BURY SPLICE KITS DESIGNED FOR IN GROUND USE.

14. FIRE HYDRANTS SHALL BE KENNEDY GUARDIAN OR 500F MUELLER "CENTURION". HYDRANT SHALL HAVE TWO 2 ½" PORTS AND ONE 4" THREADED PUMPER NOZZLE. PUMPER NOZZLE SHALL BE ORIENTED STREET SIDE OR TOWARD BUILDING IN PARKING LOTS. HYDRANT VALVE SHALL BE 5 ¼" COMPRESSION TYPE. HYDRANT SHALL BE MECHANICAL JOINT OR PER PLANS.

15. METER LOCATION TO BE MARKED FOR HORIZONTAL AND VERTICAL ALIGNMENT.

16. ALL WATER MAIN LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 36".

17. IN PLACES WHERE THE INSTALLATION OF NEW WATER LINES CROSS A SANITARY SEWER MAIN OR LATERAL, THE CURRENT EDITION OF THE CONSTRUCTION STANDARDS FOR THE OREGON HEALTH DIVISION. OREGON ADMINISTRATIVE RULES, CHAPTER 333, SECTION 333-61-050 (10), SHALL BE COMPLIED WITH.

18. ROBERTS CREEK WATER EMPLOYEES SHALL OPERATE ALL VALVES ON EXISTING SYSTEM. SCHEDULED SHUT DOWNS WILL REQUIRE 48-HOUR NOTIFICATION TO THE DISTRICT SO THAT ADEQUATE NOTICE CAN BE GIVEN TO THE DISTRICT CUSTOMERS AFFECTED.

19. BACKFLOW DEVICE SHALL CONFORM TO THE CURRENT EDITION OF THE OREGON HEALTH DIVISION, DRINKING WATER PROGRAM, OREGON ADMINISTRATIVE RULES CHAPTER 333, FOR BACKFLOW INSTALLATION.

20. MAIN LINE SHALL BE 5 FEET FROM FRONT EDGE OF CURB

21. NO FIXTURE SHALL BE HIGHER THAN THE DISTRICT'S SERVICE ELEVATION OF 686 FEET, UNLESS OTHERWISE SPECIFIED.

22. COMBINATION AIR VACUUM RELEASE VALVES SHALL BE PLACED AT HIGH AND LOW AREAS.

23. BORES 2" AND ABOVE SHALL BE HORIZONTALLY AND VERTICALLY ON LINE WITH EXISTING MAINS.

24. NO WATER SERVICE CROSSING SHALL BE LOCATED WHERE A POWER BOX, TRANSFORMER OR JUNCTION WILL BE LOCATED.

25. PLANS SUBMITTED TO ROBERTS CREEK WATER DISTRICT SHALL INCLUDE THE DISTRICT'S STANDARD WATER CONSTRUCTION DETAILS SHOWN HEREIN. THE CONTRACTOR SHALL KEEP A COMPLETE SET OF THESE DETAILS ON CONSTRUCTION PREMISES AT ALL TIMES.

26. EASEMENTS SHALL BE AN UNOBSTRUCTED 15' WIDE AND SHALL BE 15" OF 1"-0 CRUSHED ROCK OVER GEOTEXTILE FABRIC. EASEMENT SHALL BE RECORDED AT OWNER'S EXPENSE PRIOR TO ACCEPTANCE OF PROJECT.

27. THE DISTRICT RESERVES THE RIGHT TO CHANGE METER LOCATIONS.

28. TONE WIRE SHALL BE TESTED PRIOR TO AND AFTER TRENCH IS BACKFILLED. FAULTY TONE WIRE SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF PROJECT.

GENERAL NOTES

1. THE 2002 EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION PREPARED BY THE OREGON DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION OREGON CHAPTER WILL BE CONSIDERED THE STANDARD SPECIFICATIONS
2. TRENCH BACKFILL SHALL BE CLASS B (3/4"-0" CRUSHED ROCK) UNDER ALL STREETS AND PARKING LOTS, AND CLASS A (SUITABLE EXCAVATED MATERIAL) ELSEWHERE, UNLESS SHOWN DIFFERENT ON TRENCH DETAIL OR IN SPECIFICATIONS. ALL TRENCHES WILL BE COMPACTED WITH HAND-OPERATED PNEUMATIC COMPACTOR.
3. THE CONTRACTOR SHALL REPLACE ANY AND ALL SURVEY MONUMENTS WHICH ARE AFFECTED BY THE CONSTRUCTION. ALL MONUMENTS WILL BE RESET BY A LICENSED LAND SURVEYOR.
4. LOCATIONS SHOWN ON ENGINEERING DRAWINGS ARE APPROXIMATE. THE EXACT LOCATION WILL BE STAKED IN THE FIELD BY THE ENGINEER. CONTRACTOR TO GIVE SEVEN (7) DAYS NOTICE TO ENGINEER FOR STAKES.
5. CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET BETWEEN WATER MAINS AND SEWER MAINS MEASURED EDGE TO EDGE.
6. INSULATED COPPER TONING WIRE APPROVED FOR DIRECT BURY SHALL BE PLACED IN ALL TRENCHES WHERE PIPE HAS BEEN LAID. ALL TONE WIRE SHALL BE TESTED PRIOR TO ACCEPTANCE.
7. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES FOR LOCATIONS OF MAINLINE AND SERVICE LINE LOCATIONS PRIOR TO DIGGING. CONTRACTOR TO CONTACT ONE-CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-332-2344.
   ATTENTION:
   OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN THE OAR 952-001-0010 THROUGH OAR 952-001-0090, AND OREGON LAWS 1995, CHAPTER 691, SECTION 7. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER.
8. ENGINEER AND COUNTY TO BE NOTIFIED FOR INSPECTION AS SHOWN ON SCHEDULE OR AS SPECIFIED IN "GENERAL NOTES" FOR THAT SPECIFIC CONSTRUCTION ITEM.
9. CONTRACTOR TO FIELD VERIFY TYPE, LOCATION, AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF NEW PIPING.
10. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR WORKING IN PUBLIC RIGHT OF WAYS. (i.e. ODOT, CITY, COUNTY).
11. COMPACTION TESTS SHALL BE REQUIRED ON ALL MAINLINE TRENCHES AND ON SUBGRADE MATERIAL. ALL TESTING SHALL BE AT THE APPLICANT/DEVELOPER'S COST.

DOUGLAS COUNTY INSPECTION SCHEDULE

DOUGLAS COUNTY SHALL BE NOTIFIED FOR INSPECTION AT LEAST 24 HOURS PRIOR TO THE ACCOMPLISHMENT OF THE FOLLOWING STAGES OF CONSTRUCTION.
PHONE: 440-4481

1. ANY STORM SEWER CONSTRUCTION (INCLUDING STRUCTURES)
2. FINISH SUB-GRADE. (PRIOR TO FABRIC INSTALLATION)
3. SOIL STABILIZATION FABRIC INSTALLATION
4. ANY CONCRETE WORK
5. FINISH BASE COURSE GRADE
6. PAVING

NONE OF THE ABOVE ITEMS OF WORK IN COUNTY SHALL BE COVERED UNTIL INSPECTED BY DOUGLAS COUNTY.

SHEET INDEX

1. COVER SHEET
2. OVERALL & EROSION CONTROL
3. PLAN & PROFILE (BUNTING COURT)
4. PLAN & PROFILE (KROHN ST & PRIVATE DRIVE)
5. DETAILS
6. DETAILS
7. GREEN SANITARY DETAILS
8. EROSION DETAILS

LEGEND

Symbol	Description
(ELEV.)	EXISTING ELEV.
ELEV.	NEW ELEV.
— — — —	SAW CUT
—TV—	EXISTING CABLE TV
········	EXISTING EDGE OF AC OR GRAVEL
—POH—	EXISTING POWER (OVERHEAD)
—PUG—	EXISTING POWER (UNDERGROUND)
—UGU—	NEW UNDERGROUND (TV, POWER, PHONE)
—GAS—	EXISTING GAS
—R/W—	EXISTING RIGHT-OF-WAY
—R/W—	NEW RIGHT-OF-WAY
—X—	EXISTING FENCE
—X—	NEW FENCE
—W—	EXISTING WATER
—WM—	EXISTING WATERMAIN
—W—	NEW WATER
—STS—	EXISTING STORM SEWER (STS)
—STS—	NEW STORM SEWER (STS)
—SS—	EXISTING SANITARY SEWER (SS)
—SS—	NEW SANITARY SEWER (SS)
—PS—	EXISTING PRESSURE SEWER (PS)
—PS—	NEW PRESSURE SEWER (PS)
—FM—	EXISTING FORCEMAIN (FM)
—FM—	NEW FORCEMAIN (FM)
—S-F—	SILT FENCE (S-F)
—C—	NEW ELECTRICAL CONDUIT
TC	TOP OF CURB
AC	ASPHALT
BW	BACK OF WALK
FG	FINISH GRADE
FF	FINISH FLOOR
OG	ORIGINAL GROUND
TW	TOP OF WALK

EXISTING CURB INLET (CI)
NEW CURB INLET (CI)
EXISTING CATCH BASIN (CB)
NEW CATCH BASIN (CB)
CLEANOUT
GUY WIRE
GAS METER
EXISTING FIRE HYDRANT
NEW FIRE HYDRANT
LANDSCAPING
EXISTING VALVE
NEW VALVE
EXISTING MANHOLE (MH)
NEW MANHOLE (MH)
POWER POLE
PHONE PED
EXISTING LIGHT POLE
NEW LIGHT POLE
MAIL BOX
EXISTING WATER SERVICE
NEW WATER SERVICE
BLOW OFF
CABLE TV PED (TV)

CALL BEFORE YOU DIG !
ONE CALL: (800) 332-2344
OAR 952-001-0010 THROUGH
OAR 952-001-0090

i.e. ENGINEERING
505 SE Main Street
Roseburg, Oregon 97470
PHONE (541) 673-0166
FAX (541) 440-9392
iemail@ieengineering.com

REGISTERED PROFESSIONAL ENGINEER 18566 PE, OREGON, JULY 10, 1998, STEVE M. LOVEMARK
EXPIRES: 12/31/2006

Rev.	Date	Dwg	Description
1	11/22/05	ANV	AGENCY REVIEW
2	2/10/06	BWC	RE-ALIGN RD, MOVE UTILITIES
4	11/10/06	ANV	AS-BUILTS

Project Name: BUNTING COURT SUBDIVISION
Title: COVER SHEET

DES JPM	PROJECT NO. 973-14
DWG BWC	DATE: OCTOBER 06, 2005
CHK SNL	SCALE: NONE
APP SNL	SHEET: 1 OF 8

DO NOT DUPLICATE

RD375MCV

Co.Rd. #375M   MP 0.00 - 0.04

CO. RD. #375M COVER SHEET