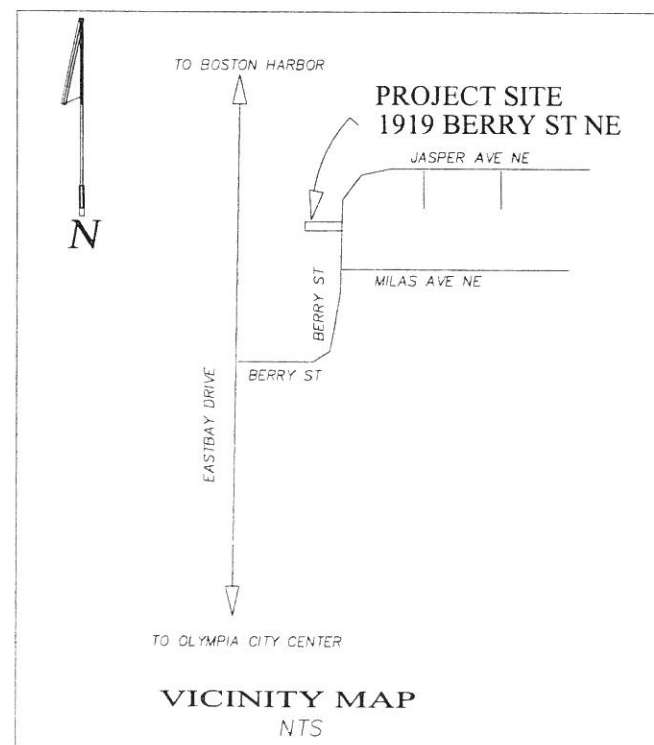


VAN ZANTEN RESIDENCE

1919 BERRY STREET NE

OLYMPIA, WASHINGTON

OCTOBER 2004



PROJECT PROPONENT

EAREND VAN ZANTEN
P.O. BOX 7279
OLYMPIA, WA 98507
(360) 866-3929

SITE ADDRESS

1919 BERRY ST NE
OLYMPIA, WA 98506

PARCEL

4930050300

SHEET INDEX

SHEET #	SHEET TITLE
---	COVER
1	DRAINAGE PLAN
2	STORM LINE PROFILES
3	NOTES AND DETAILS

LEGEND

PROPOSED

- ⊕ STORM DRAIN MANHOLE
- == STORM DRAIN CULVERT
- ⊞ STORM CATCH BASIN
- FLOW PATH

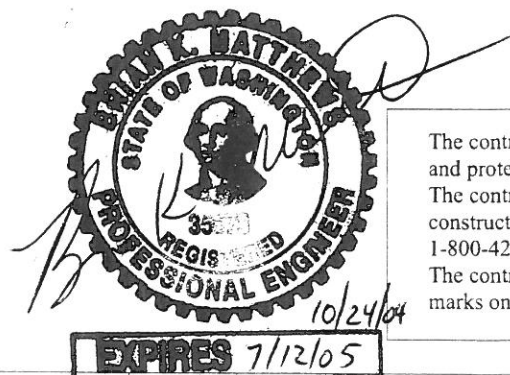
EXISTING

- RIGHT OF WAY LINE
- == EDGE OF PAVEMENT
- PROPERTY LINE
- FLOW PATH
- STORM CULVERT
- FOUND CORNER
- W WATER METER
- ⊞ CATCH BASIN
- ⊞ POWER POLE
- ← GUY ANCHOR
- X SPOT SPOT ELEVATION

MATTHEWS ENGINEERING SERVICES

BRIAN K. MATTHEWS, P.E.
Phone: (360) 701-4152

3230 Cain Rd SE
Olympia, WA 98501



The contractor shall be fully responsible for the location and protection of all existing utilities. The contractor shall verify all utility locations prior to construction by calling the underground locate line at 1-800-424-5555 a minimum of 48 hours prior to any excavation. The contractor will also be responsible for maintaining all locate marks once the utilities have been located.

APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____
Engineering Plans Examiner

APPROVAL EXPIRES: _____

VZ 001004

SURVEY INFORMATION PROVIDED BY:

BUTLER SURVEYING INC.
475 NW CHEHALIS AVENUE
P.O. BOX 149, CHEHALIS, WA 98532
360/748-8803 FAX 360/748-9319

PARCEL # 49300500100

PARCEL # 49300401100

PARCEL # 49300401000

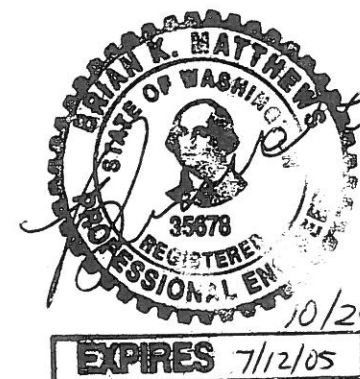
PARCEL # 49300400800

PARCEL # 49300500300

PARCEL # 49300500400

STRUCTURE NOTES

- ① CB #1
INSTALL NEW TYPE II 48" DIA MH RIM = 119.24
INSTALL CATCH BASIN RING AND GRATE ON MH TOP
CONNECT EX 8" CONC. CULVERT IE= 115.30 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 115.2 (SW)
- ② CB #2
INSTALL NEW TYPE I MH RIM = 111.00
CONNECT TO NEW 12" PVC CULVERT IE= 108.6 (NE)
CONNECT TO NEW 12" PVC CULVERT IE= 108.5 (W)
- ③ CB #3
INSTALL NEW TYPE I MH RIM = 94.0
CONNECT TO NEW 12" PVC CULVERT IE= 92.0 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 91.9 (N)
- ④ PIPE DISCHARGE IE = 87.28
INSTALL QUARRY SPALL PAD 6' W x 6' L x 1' DEEP
- ⑤ CB #4
INSTALL NEW TYPE I MH RIM = 102.5
CONNECT TO NEW 12" PVC CULVERT IE= 100.5 (W)
- ⑥ CB #5
INSTALL NEW TYPE I MH RIM = 90.0
CONNECT TO NEW 12" PVC CULVERT IE= 87.5 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 87.4 (S)

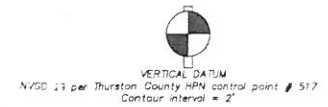
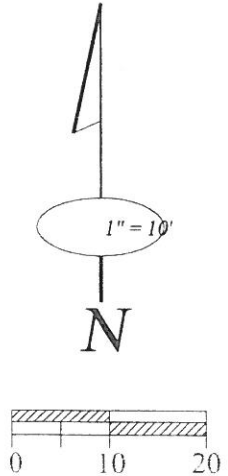


10/24/04

INSTALL QUARRY SPALLS ALONG
EX. DRAINAGE PATH

Berry Street

R/W



Basis of bearings: City of Olympia Boundary Line Adjustment Number BLA-00-1050-0L
as recorded under AFN 3304059, Records of Thurston County, Washington

BY: _____ Engineering Plans Examiner	APPROVED FOR CONSTRUCTION DATE: _____
APPROVAL EXPIRES: _____	

VZ 001005

MATTHEWS ENGINEERING SERVICES

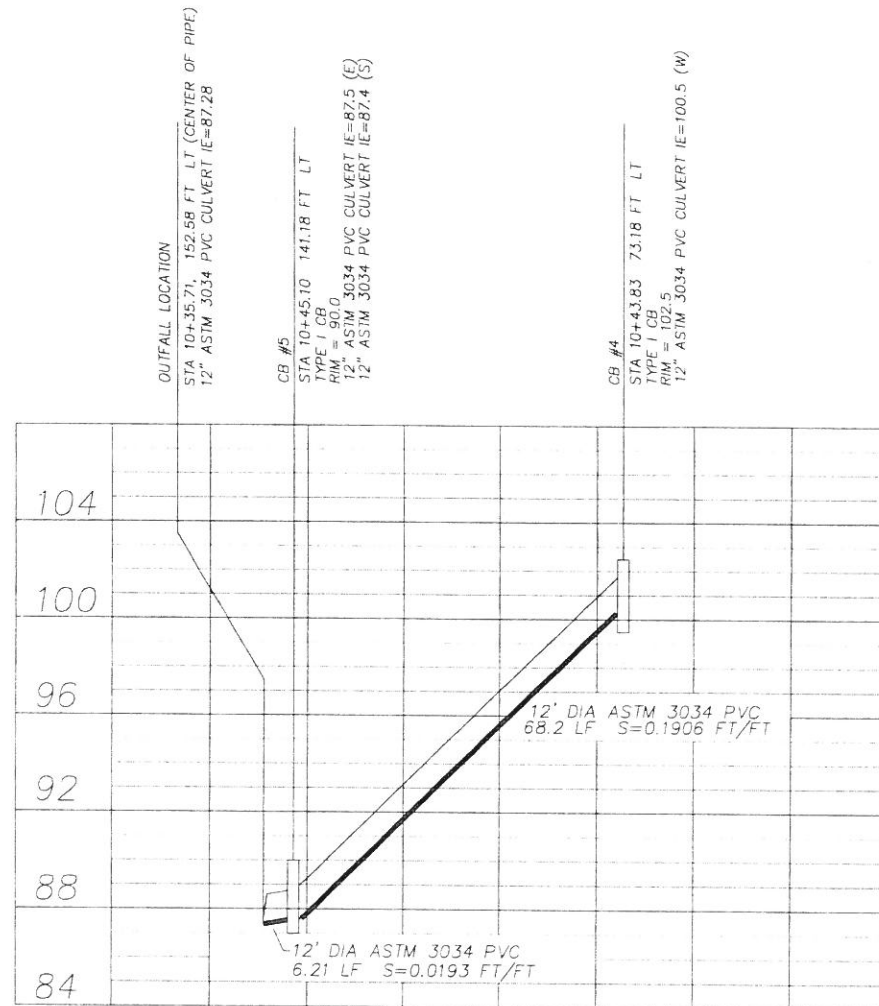
3230 Cain Rd SE
Olympia, WA 98511
Phone: (360) 556-5770

DESIGN BY: BRIAN MATTHEWS
DRAWN BY: BRIAN MATTHEWS
CHECKED BY: BRIAN MATTHEWS
DRAWING DATE: 10/24/04
ENGINEER'S JOB #
03002

VAN ZANTEN RESIDENCE DRAINAGE PLAN

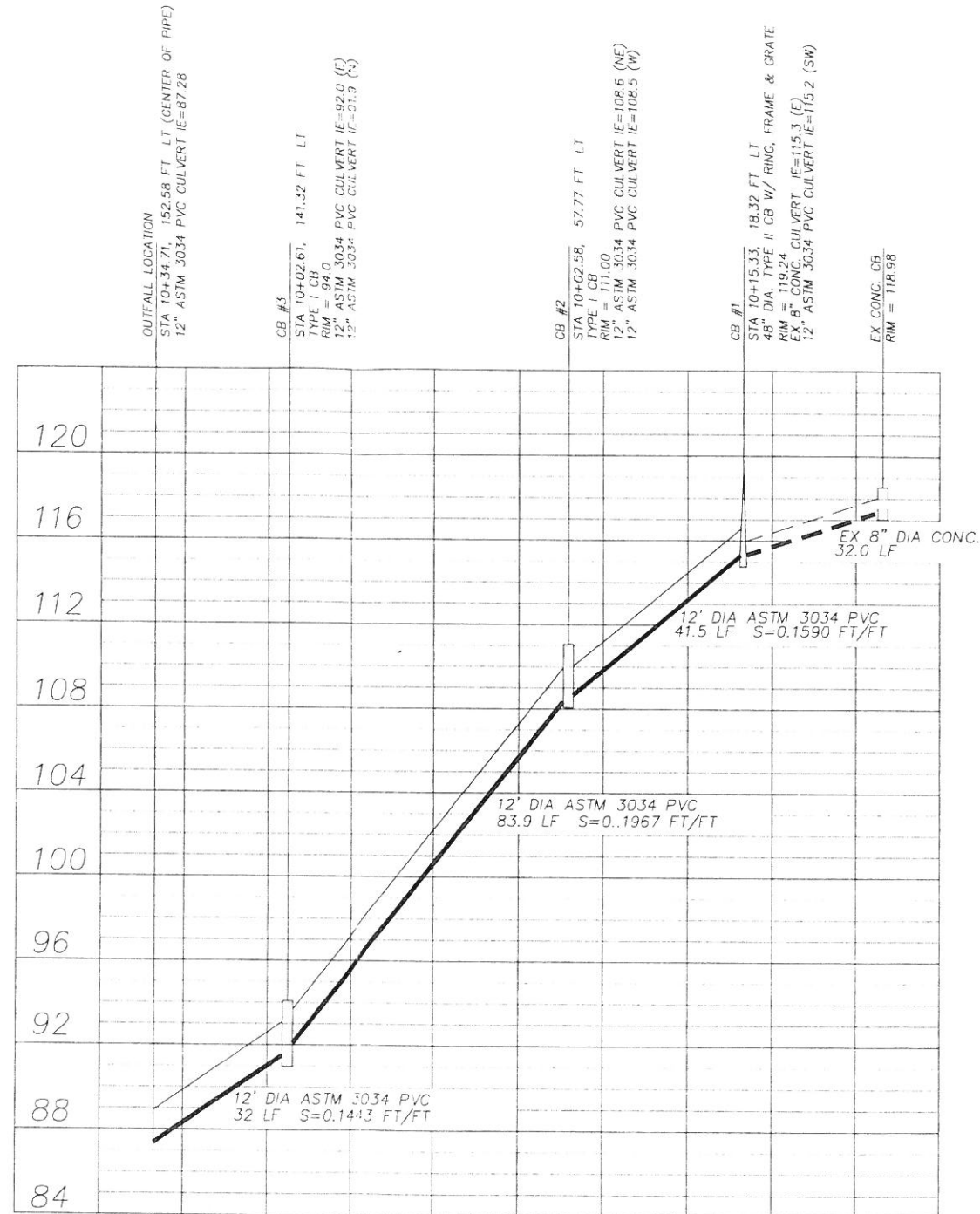
REV. #	NOTE	DATE

SHEET #
1 OF 3



NORTH STORM LINE PROFILE

SCALE
HORZ. 1"=20'
VERT. 1"=4'



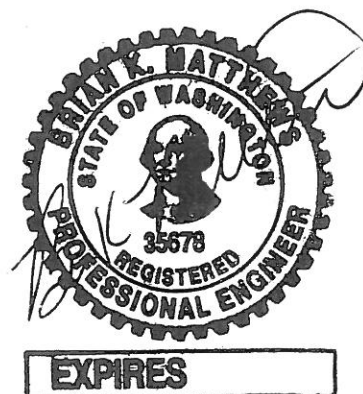
SOUTH STORM LINE PROFILE

SCALE
HORZ. 1"=20'
VERT. 1"=4'

BY: _____ APPROVED FOR CONSTRUCTION
Engineering Plans Examiner DATE: _____

APPROVAL EXPIRES: _____

VZ 001006



MATTHEWS ENGINEERING SERVICES

3230 Cain Rd SE
Olympia, WA 98501

Phone: (360) 556-5770

DESIGN BY: BRIAN MATTHEWS

DRAWN BY: BRIAN MATTHEWS

CHECKED BY: BRIAN MATTHEWS

DRAWING DATE: 10/24/04

ENGINEER'S JOB #

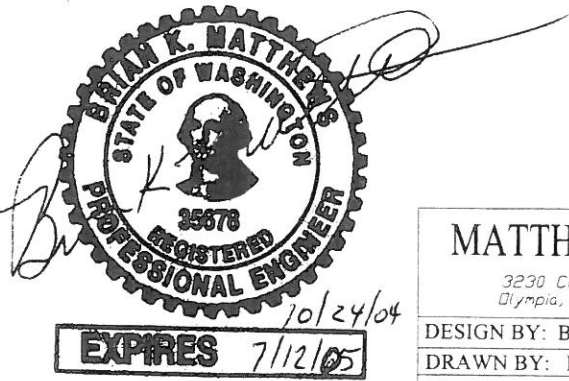
03002

VAN ZANTEN RESIDENCE
STORM LINE PROFILES

REV. #	NOTE	DATE	SHEET #
			2 OF 3

GENERAL NOTES (STORM DRAIN CONSTRUCTION)

1. ALL WORKMANSHIP AND MATERIALS WILL BE IN ACCORDANCE WITH CITY OF OLYMPIA STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).
2. TEMPORARY EROSION/WATER POLLUTION MEASURES WILL BE REQUIRED IN ACCORDANCE WITH SECTION 1-07.15 OF THE STANDARD SPECIFICATIONS AND THE DRAINAGE DESIGN AND EROSION CONTROL MANUAL FOR OLYMPIA.
3. COMPLY WITH ALL OTHER PERMITS AND OTHER REQUIREMENTS BY THE CITY OF OLYMPIA OR OTHER GOVERNING AUTHORITY OR AGENCY.
4. A PRECONSTRUCTION MEETING WILL BE HELD WITH THE CITY OF OLYMPIA, DEPARTMENT OF COMMUNITY PLANNING AND DEVELOPMENT, PRIOR TO THE START OF CONSTRUCTION.
5. ALL STORM CONVEYANCES AND RETENTION/DETENTION AREAS WILL BE STAKED FOR GRADE AND ALIGNMENT BY AN ENGINEERING FIRM CAPABLE OF PERFORMING SUCH WORK.
6. STORM DRAIN PIPE WILL MEET THE FOLLOWING REQUIREMENTS: SUBMITTAL WILL INCLUDE ONE PIPE TYPE FROM SECTION 5.025.
7. SPECIAL STRUCTURES, OIL/WATER SEPARATORS AND OUTLET CONTROLS WILL BE INSTALLED PER PLANS AND MANUFACTURERS RECOMMENDATIONS.
8. PROVIDE TRAFFIC CONTROL PLAN(S) AS REQUIRED IN ACCORDANCE WITH MUTCD.
9. CALL UNDERGROUND LOCATE LINE (1-800-424-5555) A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.
10. WHERE CONNECTIONS REQUIRE "FIELD VERIFICATIONS", CONNECTION POINTS WILL BE EXPOSED BY CONTRACTOR AND FITTINGS VERIFIED 48 HOURS PRIOR TO DISTRIBUTING SHUT-DOWN NOTICES.
11. ALL STORM LINES AND CATCH BASINS WILL BE HIGH-VELOCITY CLEANED AND PRESSURE TESTED, IN ACCORDANCE WITH DIVISION 7 OF THE STANDARD SPECIFICATIONS, PRIOR TO PAVING IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATION (SEE NOTE 1). HYDRANT FLUSHING OF LINES IS NOT AN ACCEPTABLE CLEANING METHOD. TESTING OF THE STORM MAIN WILL INCLUDE TELEVISION INSPECTING OF THE MAIN BY THE CITY AT THE CONTRACTOR'S EXPENSE. IMMEDIATELY PRIOR TO TELEVISION INSPECTING, ENOUGH WATER WILL BE RUN DOWN THE LINE SO IT COMES OUT THE LOWER MANHOLE AND THE LINE IS FLUSHED CLEAN. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TELEVISION INSPECTION TAPE HAS BEEN REVIEWED AND APPROVED BY THE INSPECTOR. A WATER TEST OF ALL MANHOLES IN ACCORDANCE WITH OLYMPIA STANDARD IS ALSO REQUIRED. TESTING WILL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUBGRADE IS COMPLETE.



MATTHEWS ENGINEERING SERVICES	
3230 Cain Rd SE Olympia, WA 98501	
Phone: (360) 556-5770	
DESIGN BY: BRIAN MATTHEWS	
DRAWN BY: BRIAN MATTHEWS	
CHECKED BY: BRIAN MATTHEWS	ENGINEER'S JOB #
DRAWING DATE: 10/24/04	03002

APPROVED FOR CONSTRUCTION	
B' _____ Engineering Plans Examiner	DATE: _____
APPROVAL EXPIRES: _____	

VZ 001007

VAN ZANTEN RESIDENCE NOTES AND DETAILS		
SHEET #		
3 OF 3		
REV. #	NOTE	DATE