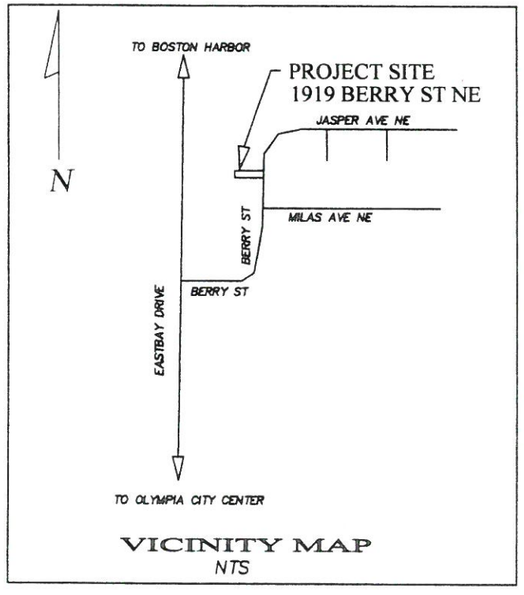
2x62

VAN ZANTEN RESIDENCE
1919 BERRY STREET NE
OLYMPIA, WASHINGTON
JUNE, 2006



VICINITY MAP
NTS

PROJECT PROPONENT

BAREND 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	T.E.S.C. PLAN
2	ON-SITE DRAINAGE PLAN
3	OFF-SITE DRAINAGE PLAN AND PROFILE
4	ON-SITE STORM LINE PROFILES
5	NOTES AND DETAILS
6	ROOF AND FOUNDATION DRAINAGE

LEGEND

PROPOSED
- STORM DRAIN MANHOLE
- STORM DRAIN CULVERT
- STORM CATCH BASIN
- FLOW PATH
- 120.20 FINISHED GRADE SPOT ELEVATION

EXISTING
- RIGHT OF WAY LINE
- EDGE OF PAVEMENT
- PROPERTY LINE
- FLOW PATH
- STORM CULVERT
- FOUND CORNER
- WM WATER METER
- CATCH BASIN
- POWER POLE
- GUY ANCHOR
- ×SPOT SPOT ELEVATION

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

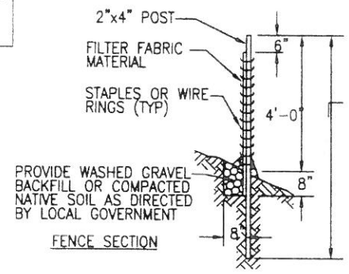
APPROVAL EXPIRES: _____

MATTHEWS ENGINEERING SERVICES
BRIAN K. MATTHEWS, P.E.
PHONE: (360) 701-4152
3230 CAIN RD SE
OLYMPIA, WA 98501

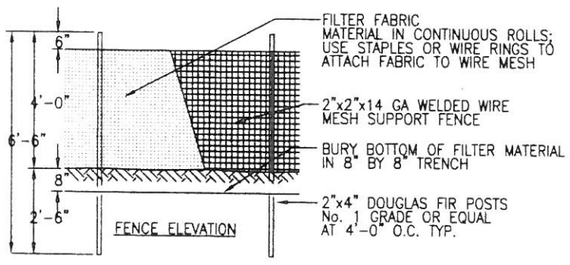
DRAWING DATE: MAY 7, 2006

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



FENCE SECTION



FENCE ELEVATION

MAINTENANCE STANDARDS NOTES:

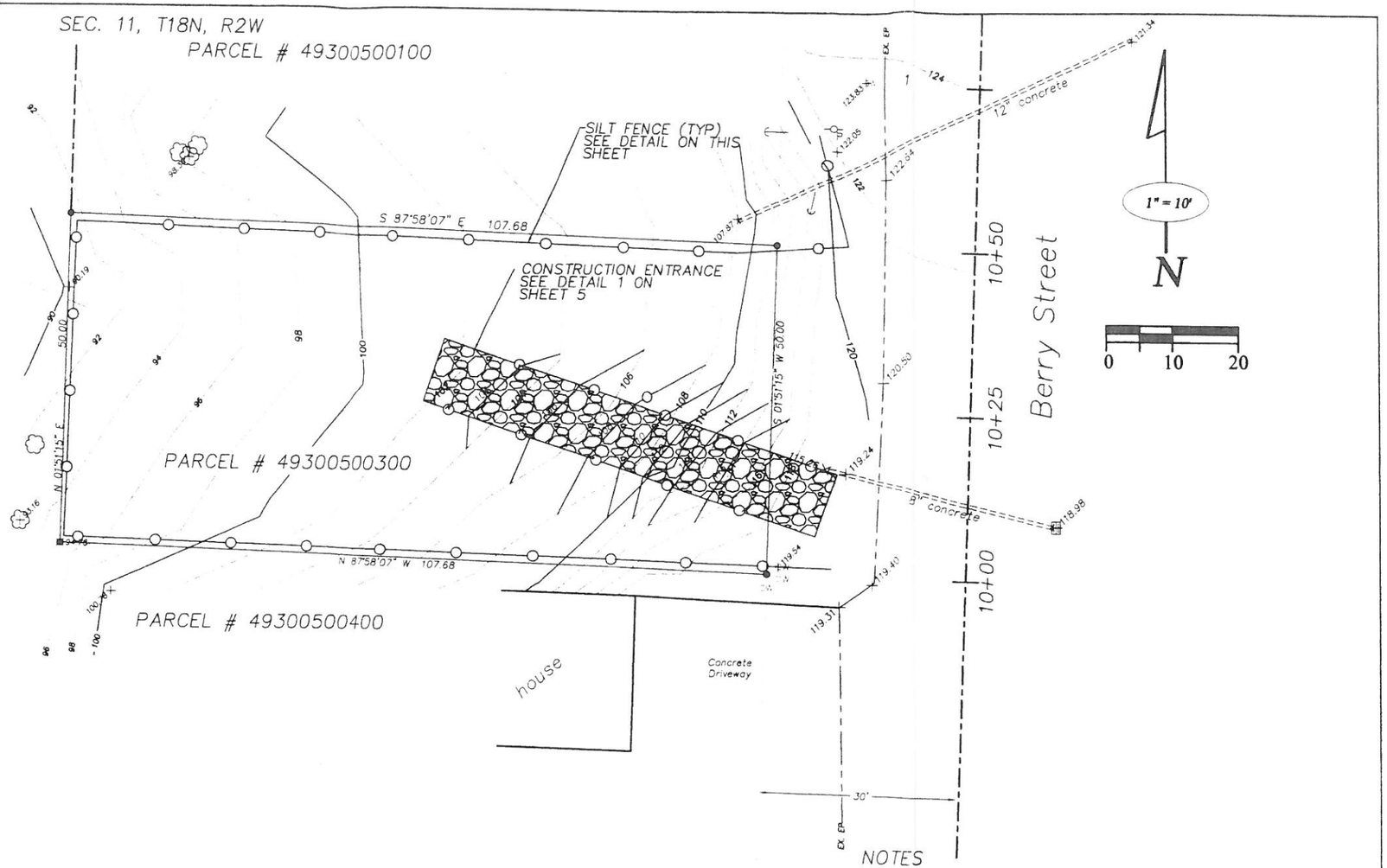
1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

TEMPORARY EROSION CONTROL FENCE

NOT TO SCALE

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES:

1. APPROVAL OF THIS EROSION SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FENCED AND/OR FLAGGED AS CALLED OUT ON THE PLAN PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE FENCING/FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, WETLANDS, OR DRAINAGE COURSES, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC) AS NEEDED FOR UNEXPECTED STORM EVENTS.
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF FIFTEEN (15) DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.).
8. ANY AREA NEEDING ESC MEASURE, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
10. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
11. STABILIZED CONSTRUCTION ENTRANCE AND WASH PAD SHALL BE INSTALLED AT THE BEGINING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS AND PUBLIC STREETS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
12. DURING THE TIME PERIOD OF NOVEMBER 1 THROUGH MARCH 31, ALL PROJECT DISTURBED AREAS GREATER THAN 5,000 SQUARE FEET SHALL BE COVERED BY ONE OF THE FOLLOWING COVER MEASURES: MULCH, SODDING OR PLASTIC COVERING.
13. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANKS OR VAULTS SHALL BE USED AS A TEMPORARY SETTLING BASIN.
14. WHERE MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT MINIMUM THICKNESS OF TWO INCHES, NO STRAW OR HAY BALES PERMITTED.
15. PERMANENT SLOPES AND EXPOSED AREAS AT FINAL GRADE SHALL BE STABILIZED AND PLANTED PER THE LANDSCAPE PLANS.



NOTES

1. INSTALL SEDIMENT SOCK IN NEW TYPE I CATCH BASINS AFTER THEIR INSTALLATION.
2. DO NOT REMOVE FILTER FENCE UNTIL GROUND COVER HAS BEEN ESTABLISHED AND APPROVED BY THE ENGINEER.

VERTICAL DATUM
NVGD 29 per Thurston County HPN control point # 517
Contour interval = 2'

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

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 CONSTRCTION
BY: _____ DATE: _____
Engineering Plans Examiner
APPROVAL EXPIRES: _____

MATTHEWS ENGINEERING SERVICES
3239 Ceh Rd. SE
Olympia, WA 98501
Phone: (360) 705-3770

DESIGN BY	BRIAN MATTHEWS
DRAWN BY	BRIAN MATTHEWS
CHECKED BY	BRIAN MATTHEWS
DRAWING DATE	ENGINEER'S JOB # 03002

VAN ZANTEN 1919 BERRY STREET RESIDENCE

T.E.S.C PLAN

SHEET # 1 OF 6

REV. #	NOTE	
1	REVISED PER OLYMPIA COMMENTS	05/07/06

VZ 000907

SURVEY INFORMATION PROVIDED BY:
BUTLER SURVEYING INC.
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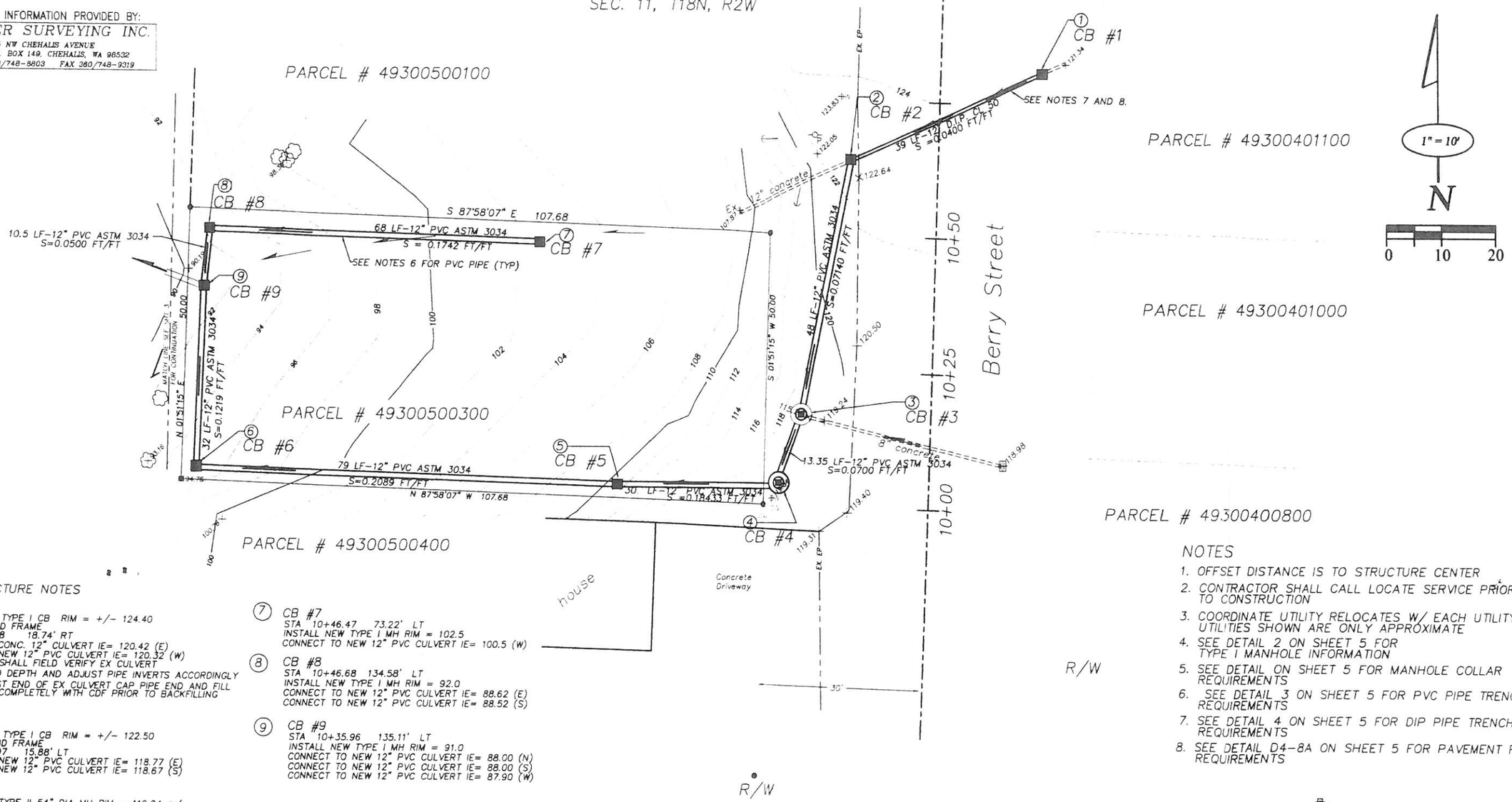
P.O. BOX 149, CHEHALIS, WA 98532
360/748-8803 FAX 360/748-9319

SEC. 11, T18N, R2W



STRUCTURE NOTES

(1) CB #1
INSTALL NEW TYPE I CB RIM = +/- 124.40
W/ GRATE AND FRAME
STA 10+81.08 18.74' RT
CONNECT EX CONC. 12" CULVERT IE= 120.42 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 120.32 (W)
CONTRACTOR SHALL FIELD VERIFY EX CULVERT
LOCATION AND DEPTH AND ADJUST PIPE INVERTS ACCORDINGLY
ABANDON WEST END OF EX CULVERT CAP PIPE END AND FILL
EX. CULVERT COMPLETELY WITH CDF PRIOR TO BACKFILLING

(2) CB #2
INSTALL NEW TYPE I CB RIM = +/- 122.50
W/ GRATE AND FRAME
STA 10+63.97 15.88' LT
CONNECT TO NEW 12" PVC CULVERT IE= 118.77 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 118.67 (S)

(3) CB #3
INSTALL NEW TYPE II 54" DIA MH RIM = 119.24 +/-
W/ RING, FRAME AND GRATE
STA 10+16.82 23.63' LT
CONNECT TO NEW 12" PVC CULVERT IE= 115.26 (N)
CONNECT TO NEW 12" PVC CULVERT IE= 115.16 (SW)
CONNECT TO EX 8" CONC CULVERT IE= 115.26 (E)

(4) CB #4
INSTALL NEW TYPE II 54" DIA MH RIM = 119.00
W/ RING, FRAME AND GRATE
STA 10+04.09 27.51' LT
CONNECT TO NEW 12" PVC CULVERT IE= 114.23 (N)
CONNECT TO NEW 12" PVC CULVERT IE= 114.13 (W)

(5) CB #5
INSTALL NEW TYPE I MH RIM = 111.0
STA 10+02.59 27.51' LT
CONNECT TO NEW 12" PVC CULVERT IE= 108.60 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 108.50 (W)

(6) CB #6
INSTALL NEW TYPE I MH RIM = 95.0
STA 10+02.75 135.27' LT
CONNECT TO NEW 12" PVC CULVERT IE= 92.0 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 91.9 (N)

(7) CB #7
STA 10+46.47 73.22' LT
INSTALL NEW TYPE I MH RIM = 102.5
CONNECT TO NEW 12" PVC CULVERT IE= 100.5 (W)

(8) CB #8
STA 10+46.68 134.58' LT
INSTALL NEW TYPE I MH RIM = 92.0
CONNECT TO NEW 12" PVC CULVERT IE= 88.62 (E)
CONNECT TO NEW 12" PVC CULVERT IE= 88.52 (S)

(9) CB #9
STA 10+35.96 135.11' LT
INSTALL NEW TYPE I MH RIM = 91.0
CONNECT TO NEW 12" PVC CULVERT IE= 88.00 (N)
CONNECT TO NEW 12" PVC CULVERT IE= 88.00 (S)
CONNECT TO NEW 12" PVC CULVERT IE= 87.90 (W)

NOTES

1. OFFSET DISTANCE IS TO STRUCTURE CENTER
2. CONTRACTOR SHALL CALL LOCATE SERVICE PRIOR TO CONSTRUCTION
3. COORDINATE UTILITY RELOCATES W/ EACH UTILITY PROVIDER. UTILITIES SHOWN ARE ONLY APPROXIMATE
4. SEE DETAIL 2 ON SHEET 5 FOR TYPE I MANHOLE INFORMATION
5. SEE DETAIL ON SHEET 5 FOR MANHOLE COLLAR REQUIREMENTS
6. SEE DETAIL 3 ON SHEET 5 FOR PVC PIPE TRENCH SECTION REQUIREMENTS
7. SEE DETAIL 4 ON SHEET 5 FOR DIP PIPE TRENCH SECTION REQUIREMENTS
8. SEE DETAIL D4-8A ON SHEET 5 FOR PAVEMENT RESTORATION REQUIREMENTS

VERTICAL DATUM
NVGD 29 per Thurston County HPN control point # 517
Contour interval = 2'

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

THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555
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THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTAINING ALL LOCATE MARKS ONCE THE UTILITIES HAVE BEEN LOCATED.

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

VZ 000908

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3239 Cain Rd SE, Olympia, WA 98501 Phone: (360) 556-7770

DESIGN BY	BRIAN MATTHEWS
DRAWN BY	BRIAN MATTHEWS
CHECKED BY	BRIAN MATTHEWS
DRAWING DATE	ENGINEER'S JOB # 03002

VAN ZANTEN 1919 BERRY STREET RESIDENCE
ON-SITE DRAINAGE PLAN

SHEET # 2 OF 6

REV #	NOTE	DATE
1	REVISED PER OLYMPIA COMMENTS	05.07.06

SEC. 11, T18N, R2W

SURVEY INFORMATION PROVIDED BY:

BUTLER SURVEYING INC.
475 NW CHEHALIS AVENUE
P.O. BOX 149, CHEHALIS, WA 98532
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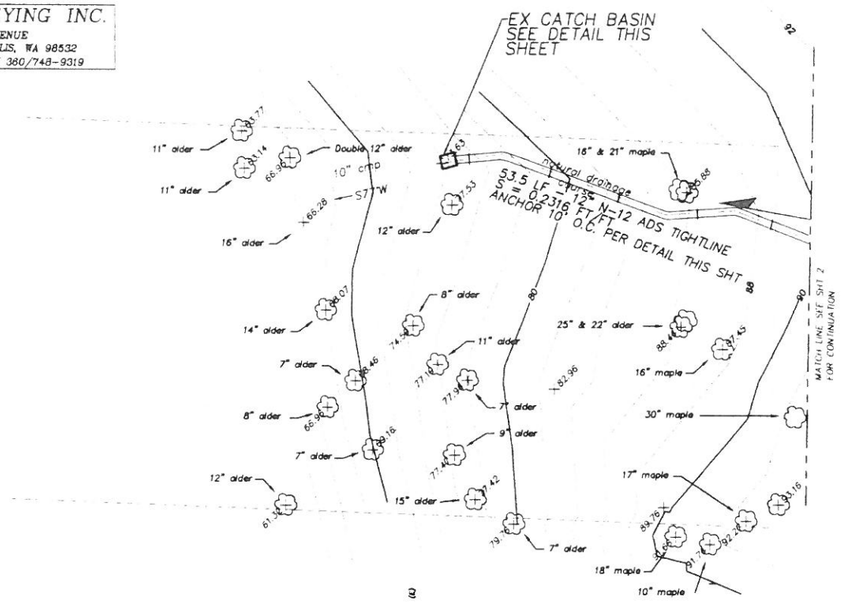
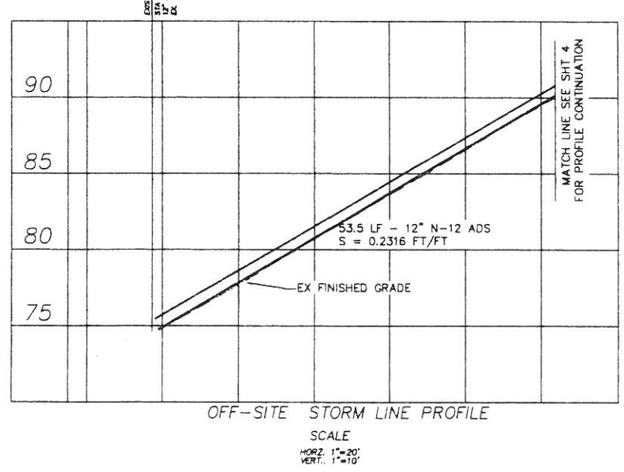
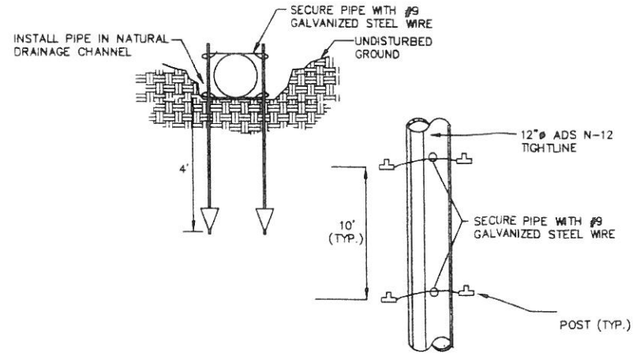


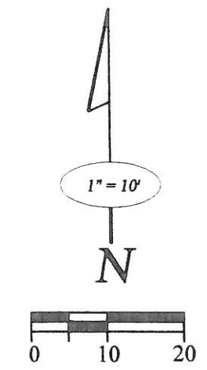


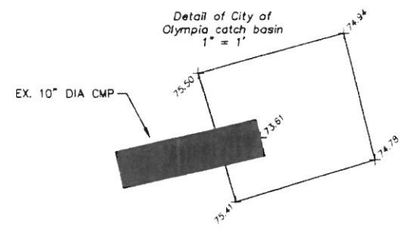
OFF-SITE STORM LINE PROFILE

SCALE
HORZ. 1"=20'
VERT. 1"=10'



DRAINLINE ANCHOR
NOT TO SCALE





EXISTING CATCH BASIN
NOT TO SCALE

VERTICAL DATUM
NVGD 29 per Thurston County HPN control point # 517
Contour Interval = 2'

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

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

VZ 000909

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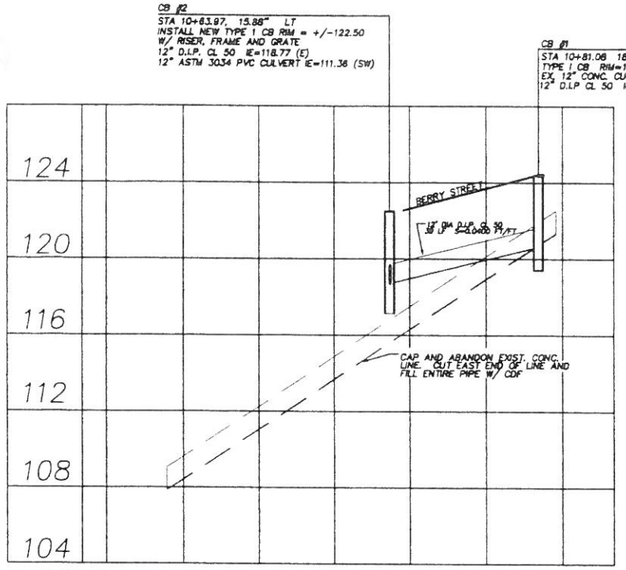
DESIGN BY: BRIAN MATTHEWS	
DRAWN BY: BRIAN MATTHEWS	
CHECKED BY: BRIAN MATTHEWS	ENGINEER'S JOB # 03002
DRAWING DATE: 05/07/06	

VAN ZANTEN 1919 BERRY STREET RESIDENCE
OFF-SITE DRAINAGE PLAN AND PROFILE

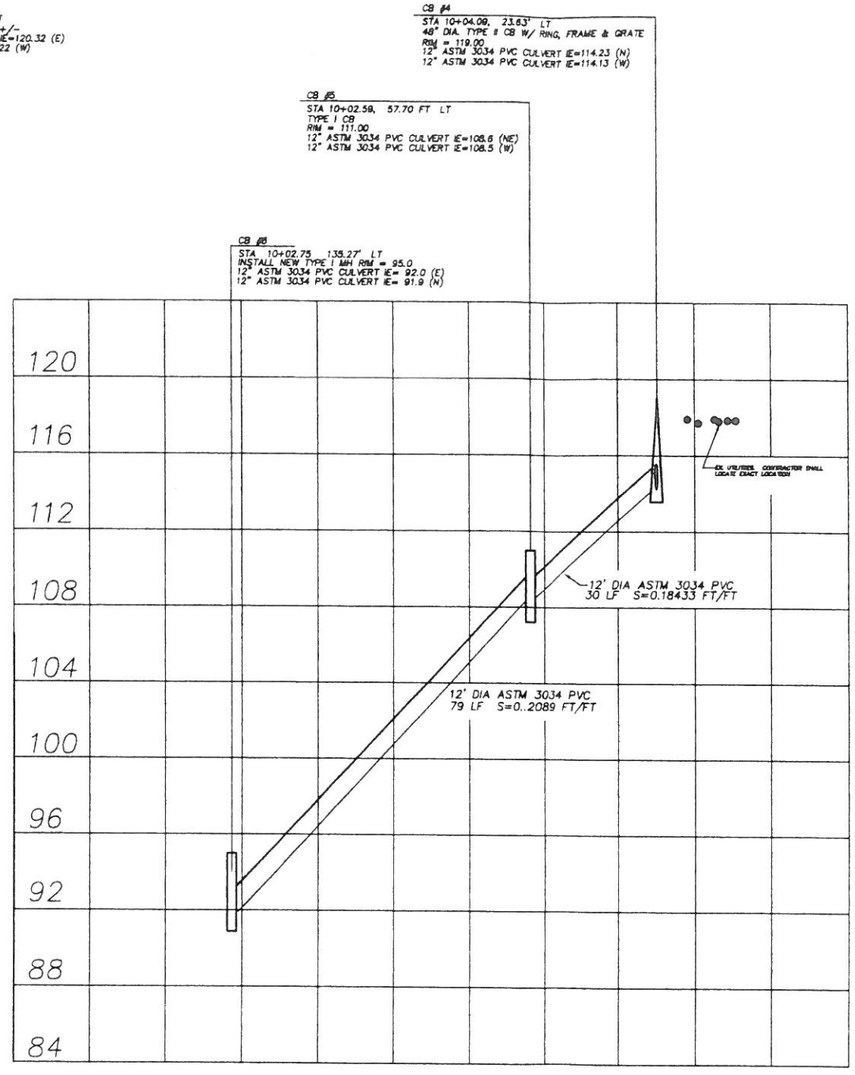
SHEET # 3 OF 6

REV. #	NOTE	DATE
1	REVISED PER OLYMPIA COMMENTS	05/07/06

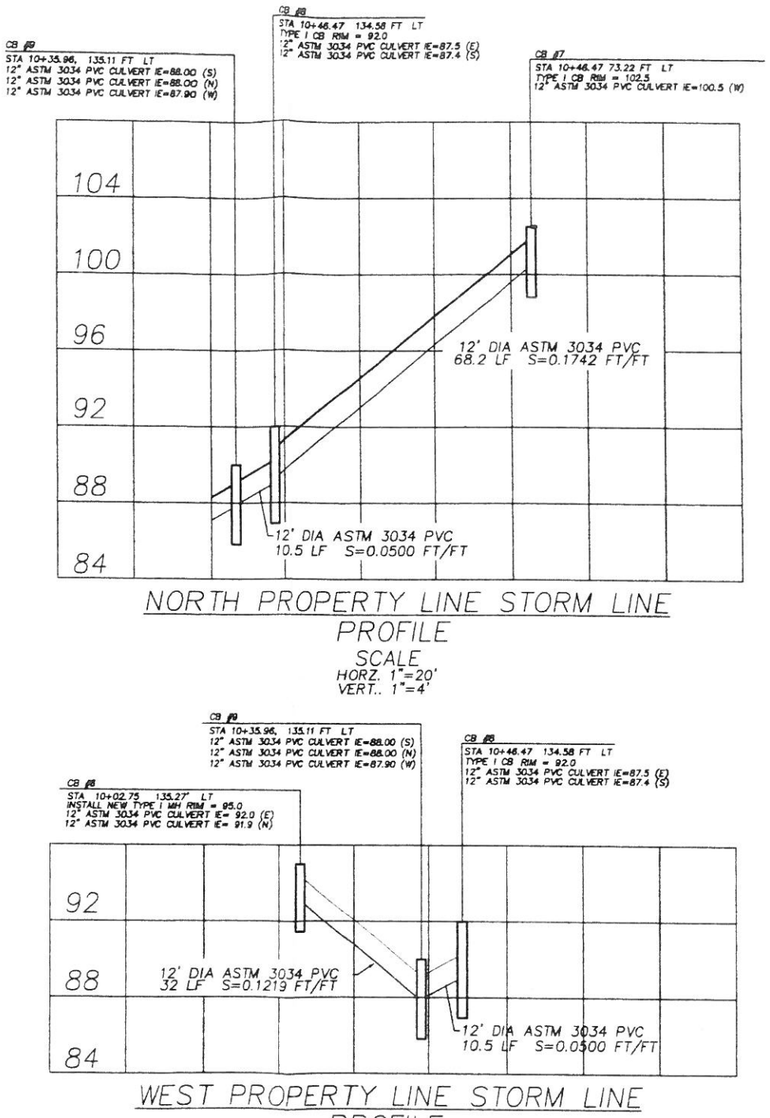
SEC. 11, T18N, R2W



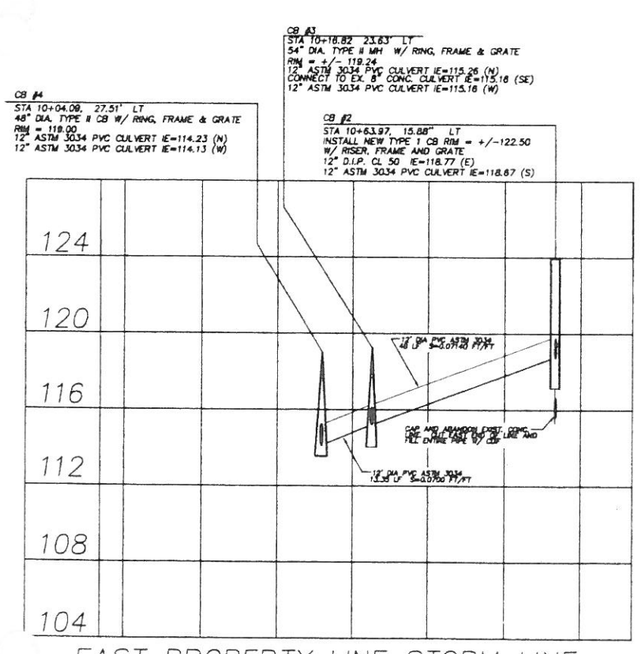
BERRY STREET STORM LINE CROSSING
PROFILE
SCALE
HORZ. 1"=20'
VERT.. 1"=4'



SOUTH PROPERTY STORM LINE
PROFILE
SCALE
HORZ. 1"=20'
VERT.. 1"=4'



NORTH PROPERTY LINE STORM LINE
PROFILE
SCALE
HORZ. 1"=20'
VERT.. 1"=4'



EAST PROPERTY LINE STORM LINE
PROFILE
SCALE
HORZ. 1"=20'
VERT.. 1"=4'

WEST PROPERTY LINE STORM LINE
PROFILE
SCALE
HORZ. 1"=20'
VERT.. 1"=4'

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

VZ 000910

MATTHEWS ENGINEERING SERVICES
3239 Cain Rd SE
Olympia, WA 98513
Phone: (360) 455-8886

DESIGN BY	BRIAN MATTHEWS
DRAWN BY	BRIAN MATTHEWS
CHECKED BY	BRIAN MATTHEWS
DRAWING DATE	05/07/06
ENGINEER'S JOB #	03002

VAN ZANTEN 1919 BERRY STREET RESIDENCE
ON-SITE STORM LINE PROFILES

SHEET # 4 OF 6

REV #	NOTE	DATE
1	REVISED PER OLYMPIA COMMENTS	05/07/06