

MOUNTAIN VIEW APARTMENTS - AS-BUILTS

2373 MAIN STREET

SITUATE IN A PORTION OF THE NE 1/4, NW 1/4 OF SECTION 30, T. 39 N., R. 2 E., W.M.
CITY OF FERNDALE, WHATCOM COUNTY, WASHINGTON

LEGEND

	= FND BRASS MON		= EXIST OVERHEAD POWER
	= FND ALUMINUM CAP MON		= EXIST UNDERGROUND POWER
	= FND CONC MON		= EXIST OVERHEAD PHONE
	= FND SQUARE CONC MON		= EXIST UNDERGROUND PHONE
	= FND REBAR AND CAP		= EXIST OVERHEAD UTILITES (UNKNOWN)
	= SET 1/2" REBAR W/PLAS. CAP PLS#?????		= EXIST UNDERGROUND TV CABLE
	= FND IRON PIPE		= EXIST GAS MAIN
	= FND HUB AND TACK		= EXIST WATER LINE
	= FND PK NAIL		= EXIST SANITARY SEWER LINE
	= FND PK NAIL AND TAG/SHINER		= EXIST STORM DRAIN LINE
	= FND RR SPIKE		= PROPOSED STORM DRAIN LINE
	= RECORD DATA PER DEED		= PROPOSED SAN. SEWER LINE
	= RECORD DATA PER PLAT		= PROPOSED WATER LINE
	= EXIST SD CATCH BASIN (TYPE 1)		= PROPOSED GAS LINE
	= EXIST SD CATCH BASIN (TYPE 2)		= PROPOSED POWER LINE
	= EXISTING SD MANHOLE (TYPE 1) (SOLID TOP)		= EXIST CHAIN LINK FENCE
	= EXISTING SD MANHOLE (TYPE 2) (SOLID TOP)		= PROPOSED CHAIN LINK FENCE
	= EXIST SD INLET		= EXIST BARBED WIRE FENCE
	= EXIST SD AREA DRAIN		= PROPOSED BARBED WIRE FENCE
	= EXIST SD CLEANOUT		= EXIST WOOD POST FENCE
	= EXIST SD WER		= PROPOSED WOOD POST FENCE
	= EXIST SD SERVICE		= EXIST FENCE TYPE:
	= PROPOSED STORM DRAIN SERVICE		= EXIST FENCE TYPE:
	= PROPOSED STORM DRAIN CLEANOUT		= EXIST CONTOUR (INDEX)
	= PROPOSED STORM DRAIN CATCH BASIN		= EXIST CONTOUR (NORMAL)
	= PROPOSED STORM DRAIN MANHOLE (TYPE 2)		= PROPOSED SPOT ELEV @ TOP OF SIDEWALK
	= EXIST SANITARY SEWER MANHOLE		= PROPOSED SPOT ELEV @ TOP OF PAVEMENT
	= EXIST SANITARY SEWER CLEANOUT		= PROPOSED SPOT ELEV @ TOP OF CURB
	= EXIST SANITARY SEWER SERVICE		= PROPOSED SPOT ELEV @ TOP OF FINISHED GRADE
	= PROPOSED SANITARY SEWER SERVICE		= EXIST SPOT ELEV @ TOP OF PAVEMENT
	= PROPOSED SEWER CLEANOUT		= EXIST SPOT ELEV @ EDGE OF PAVEMENT
	= PROPOSED SEWER MANHOLE		= EXIST SPOT ELEV @ EDGE OF CONC WALK
	= EXISTING WATER SERVICE CONNECT		= EXIST SPOT ELEV @ TOP OF GROUND
	= EXISTING WATER STAND PIPE		= EXIST SPOT ELEV @ FACE OF CURB
	= EXISTING FIRE HOSE CONNECTION		= EXIST SPOT ELEV @ TOP OF BOARDWALK
	= EXISTING WATER BLOW-OFF VALVE		= EXIST SPOT ELEV @ TOP OF CONC WALK
	= EXISTING WATER METER BOX		= DETAIL CALLOUT
	= EXISTING WATER VALVE		
	= EXISTING FIRE HYDRANT		
	= EXIST WATER VALVE BOXES		
	= PROPOSED WATER SERVICE		
	= PROPOSED WATER VALVE		
	= PROPOSED FIRE HYDRANT		
	= EXIST GUY POLE		
	= EXIST GUY WIRE		
	= EXIST POWER/AND OR UTILITY POLE		
	= EXIST POWER METER/STRUCTURE		
	= EXIST POWER VAULT		
	= EXIST POWER JBOX/HANDHOLD		
	= EXIST LIGHT POLE		
	= EXIST UTILITY POLE		
	= EXIST TV BOX		
	= EXIST TELEPHONE PEDESTAL		
	= EXIST TELEPHONE MANHOLE		
	= EXIST MAIL BOX		
	= EXIST SIGN		
	= PROPOSED SIGN		
	= EXIST LANDSCAPING		
	= EXIST GAS METER		

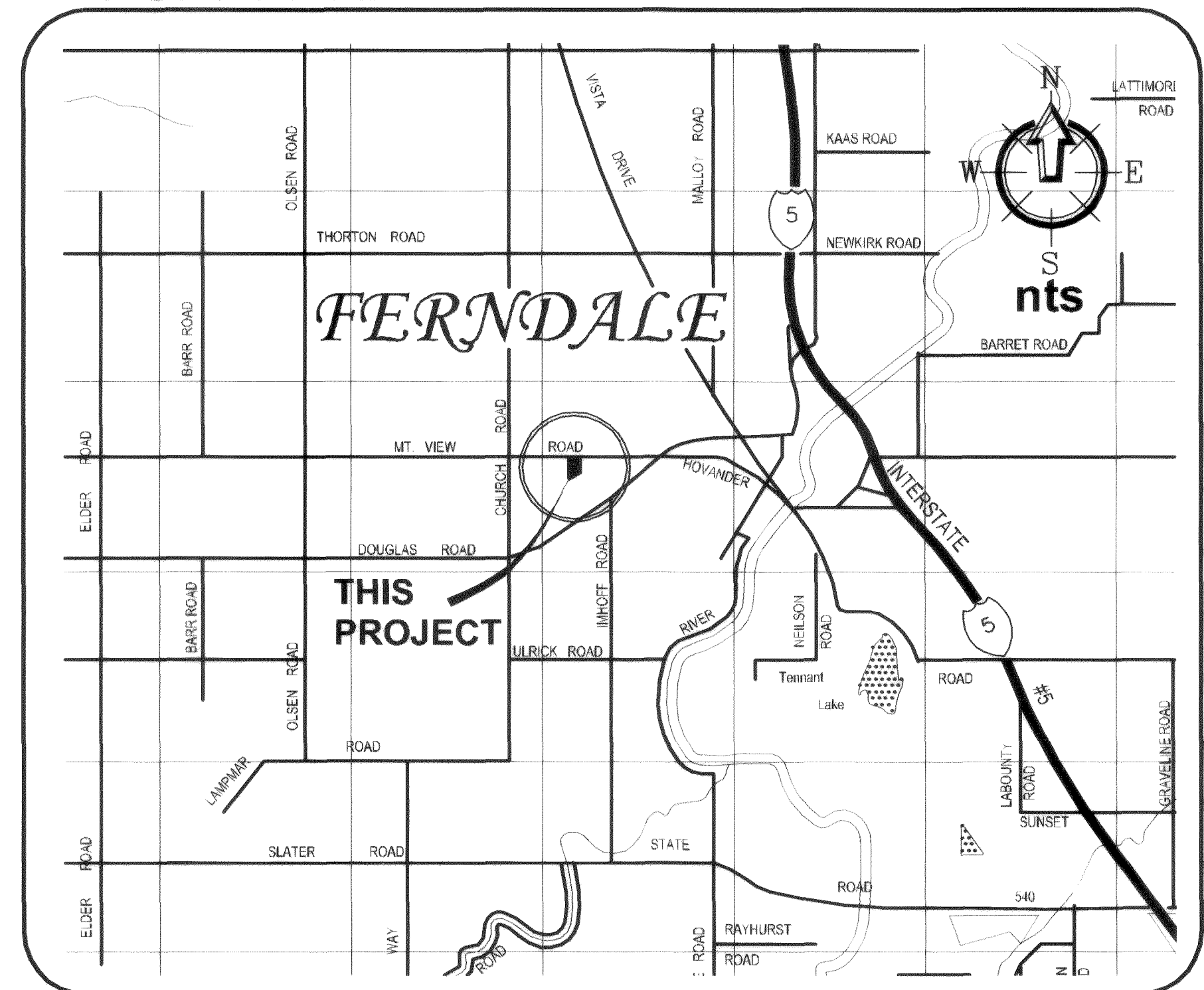
SHEET INDEX

- C1) COVER SHEET
- C2) EXISTING CONDITIONS
- C3) TEMPORARY EROSION CONTROL & SEDIMENTATION PLAN
- C4) PHASED SITE PLAN
- C5) PAVING, GRADING & DRAINAGE PLAN
- C6) WATER & SEWER PLAN
- C7) SANITARY SEWER PLAN & PROFILE
- C8) MT. VIEW ROAD PLAN & PROFILE
- C9) EROSION CONTROL DETAILS
- C10) ROAD DETAILS
- C11) POND CROSS SECTION
- C12) STORMWATER DETAILS
- C13) GENERAL NOTES

ABBREVIATIONS

WL	= WATER LINE	IE	= INVERT ELEVATION
PVC	= POLY VINYL CHLORIDE	INV	= INVERT
D.I.	= DUCTILE IRON	SSCO	= SANITARY SEWER CLEANOUT
LF	= LINEAR FEET	SSMH	= SANITARY SEWER MANHOLE
FM	= FIRE HYDRANT	EG	= EXISTING GRADE
MJ	= MECHANICAL JOINT	STA	= STATION
FL	= FLANGE/FLOWLINE	AF NO.	= AUDITORS FILE NUMBER
BO	= BLOWOFF ASSEMBLY	ALIGN	= ALIGNMENT
CPLG	= COUPLING	RW/ROW	= RIGHT OF WAY
ADAPT	= ADAPTER	TR	= TRACT EASEMENT LINE
L/RT	= LEFT	MB	= MAIL BOX
R/RT	= RIGHT	UTIL	= UTILITY
TYP	= TYPICAL	REQ	= REQUIRED
EX, EXST	= EXISTING	LOC	= LOCATION
EXIST	= EXISTING	APPROX	= APPROXIMATE
CL/C.L.	= CENTERLINE	CONC	= CONCRETE
FF/FFE	= FINISH FLOOR	PLNTR	= PLANTER
EP, EOP	= EDGE OF PAVING	WLK	= WALKWAY
EL, ELEV	= ELEVATION	FLD	= FIELD
FGE/FG	= FINISHED GRADE ELEVATION	PC	= POINT OF CURVE
RAD	= RADIUS	PT	= POINT OF TANGENCY
R	= RADIUS OR RIGHT	TYP./TYP	= TYPICAL
L	= LENGTH OR LEFT	SDCB	= STORM DRAIN CATCH BASIN
HDPE	= HIGH DENSITY POLYETHYLENE	SDMH	= STORM DRAIN MANHOLE
SCH.	= SCHEDULE	FM	= SANITARY FORCE MAIN
SMMWW	= STORMWATER MANAGEMENT MANUAL	MH	= MANHOLE
FOR WESTERN WASHINGTON.		SS	= SANITARY SEWER
SF	= SILT FENCE	SD	= STORM DRAIN
WSDOE	= WASHINGTON STATE DEPARTMENT OF ECOLOGY	A	= DELTA ANGLE
C.O.F./COF	= CITY OF FERNDALE	POC	= POINT ON CURVE
SW	= SIDEWALK	PRC	= POINT OF REVERSE CURVE
CR	= CURVE RETURN	PCC	= POINT OF COMPOUND CURVE

VICINITY MAP



PROJECT CONTACTS

OWNER

MOUNTAIN VIEW RDM, LLC
CONTACT PERSON: DANNY FINKELSTIEN
910 HARRIS STREET, UNIT 502
BELLINGHAM, WA, 98225
PHONE: (360) 354-0333
FAX: (360) 354-7022

CIVIL ENGINEER

FREELAND & ASSOCIATES, INC.
TONY FREELAND, PE
1408 NORTH GARDEN STREET
BELLINGHAM, WA 98225
(360) 650-1408
(360) 650-1401 (FAX)

SURVEYOR

CHRISTIE AND CHRISTIE LAND SURVEYING, INC.
BRIAN CHRISTIE, PLS
22 GRAND AVE, SUITE D
BELLINGHAM, WA 98225
(360) 671-8855
(360) 671-8823 (FAX)

ARCHITECT

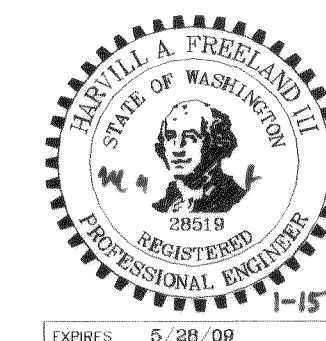
JWR PROFESSIONAL BUILDING DESIGN, INC.
SEAN HEGSTAD
104 FRONT STREET, SUITE 201
LYNDEN, WA 98264
(360) 354-0333

CITY OF FERNDALE PROJECT #DE 2006-04

Asbuilt Drawing Certification

I HEREBY CERTIFY THAT THE IMPROVEMENTS IN MOUNTAIN VIEW APARTMENTS HAVE BEEN INSPECTED BY FREELAND & ASSOCIATES, INC. AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE PUBLIC WORKS.

By: Luca P Date: 1-15-08



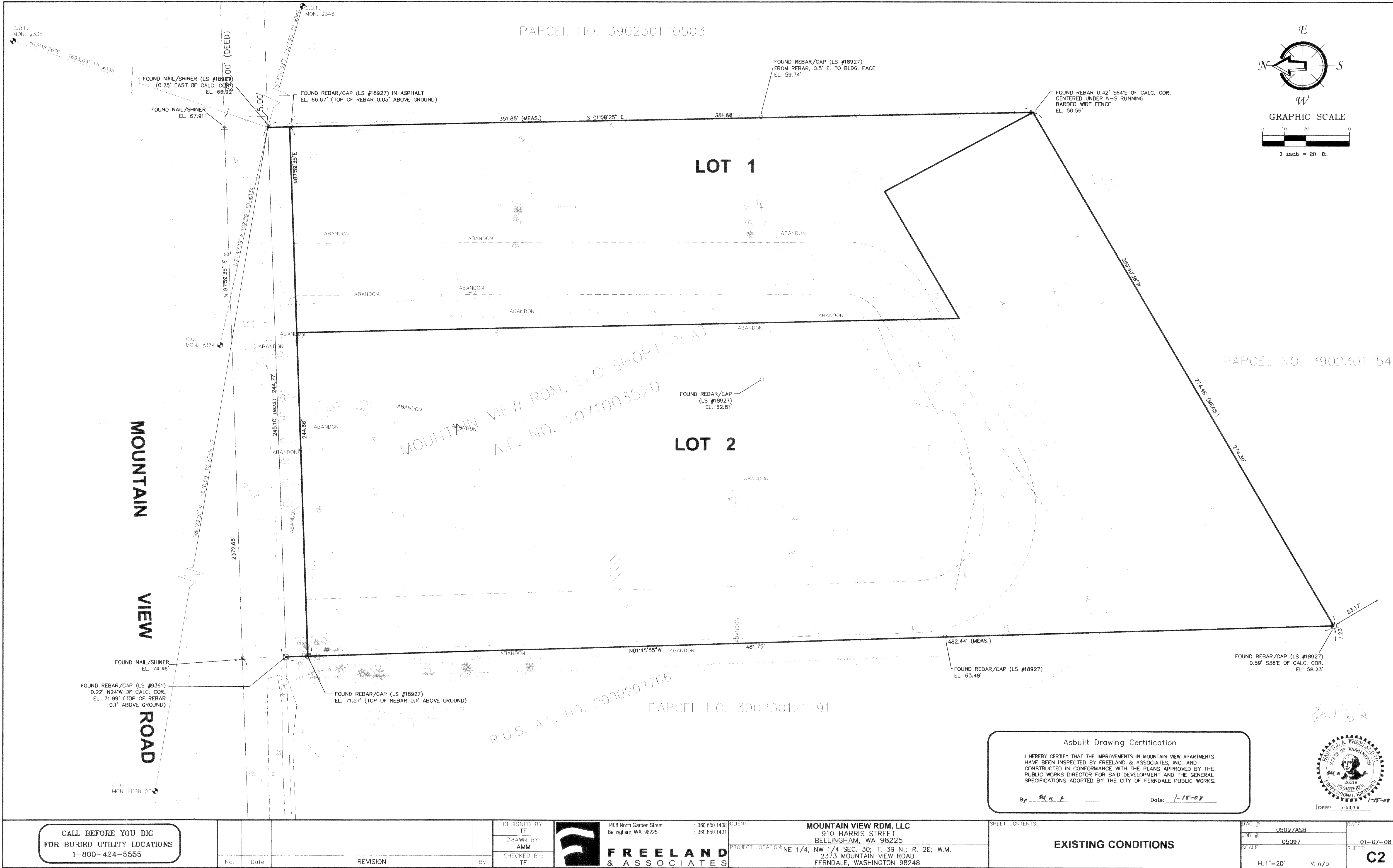
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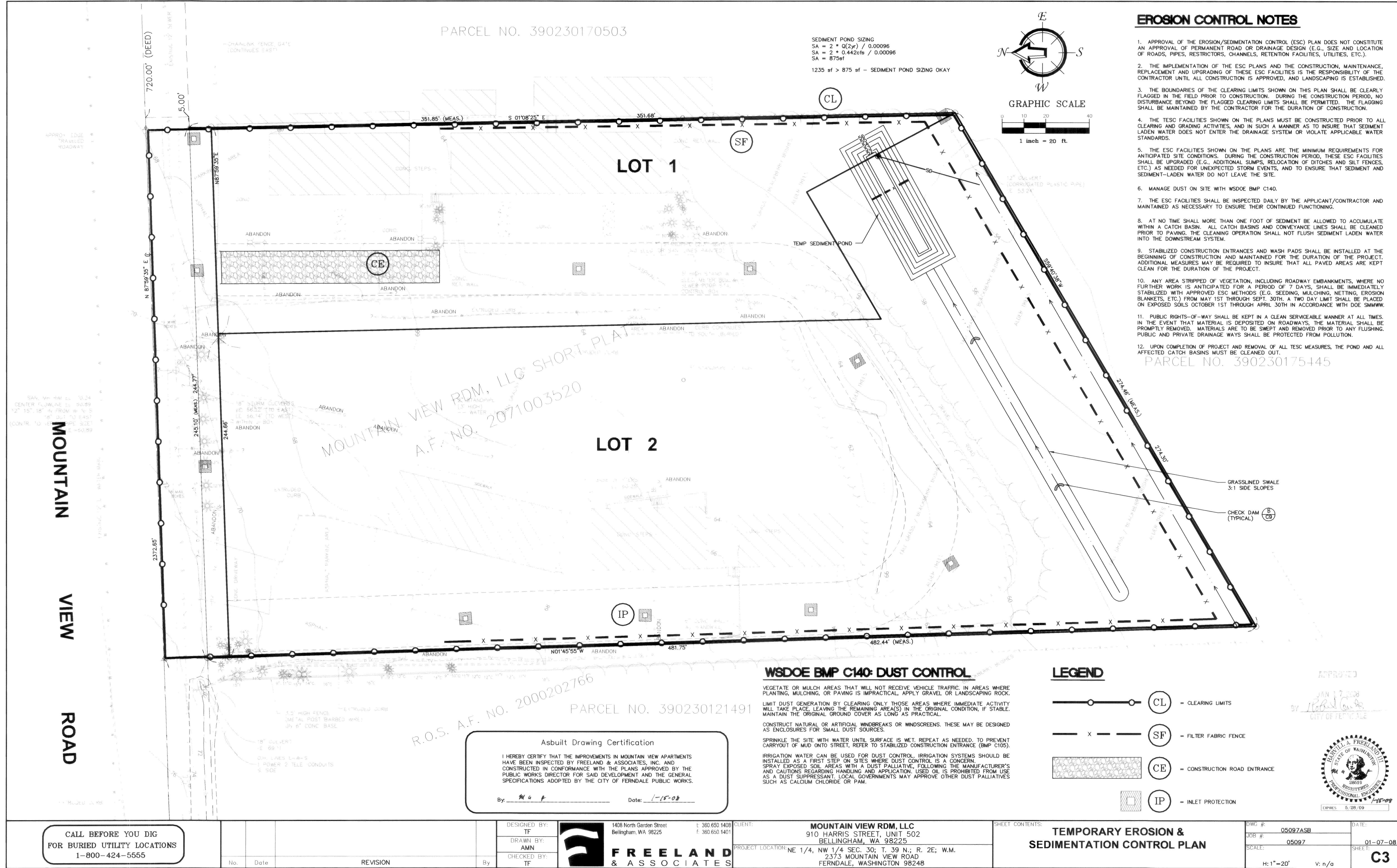
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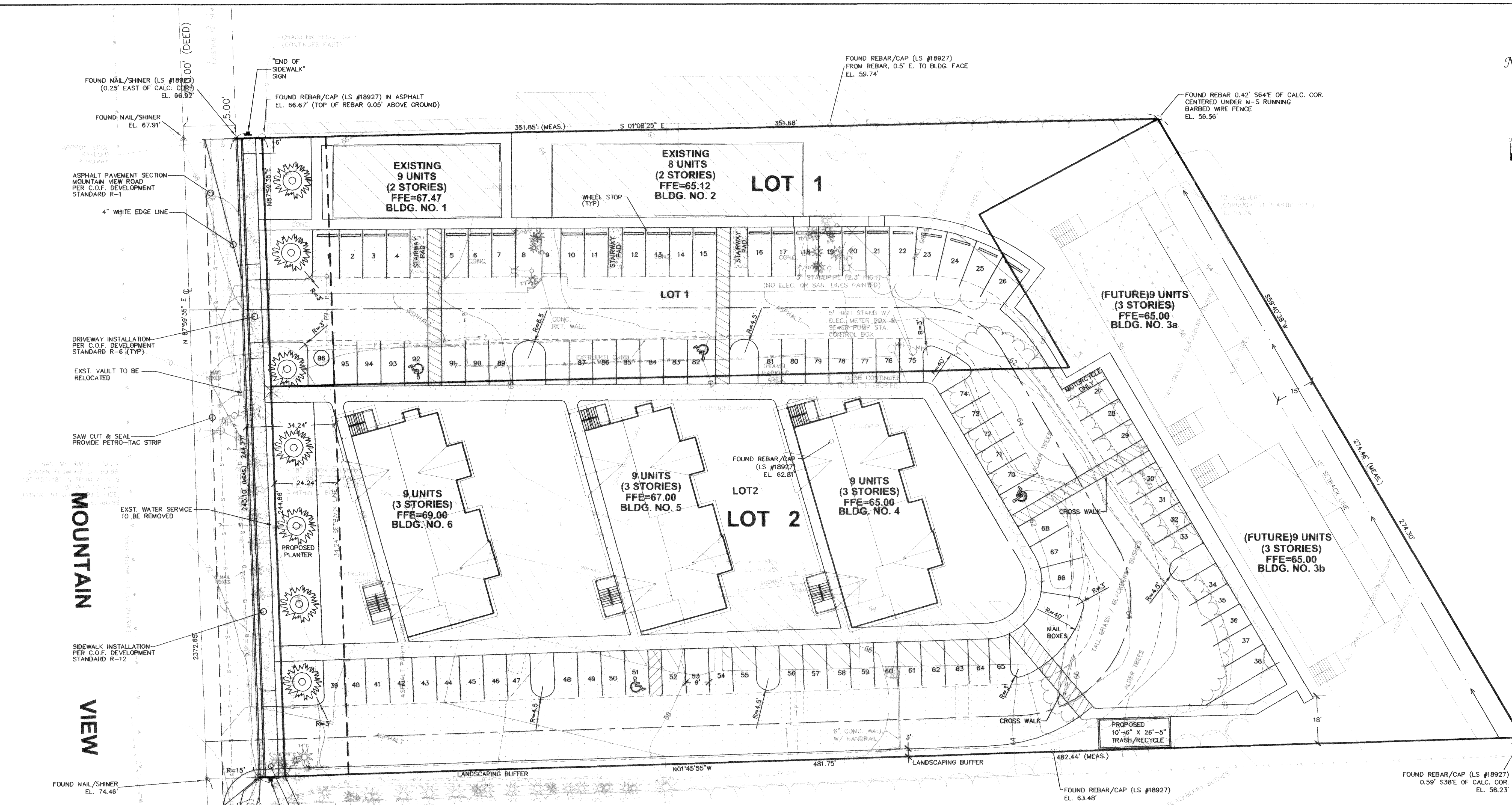
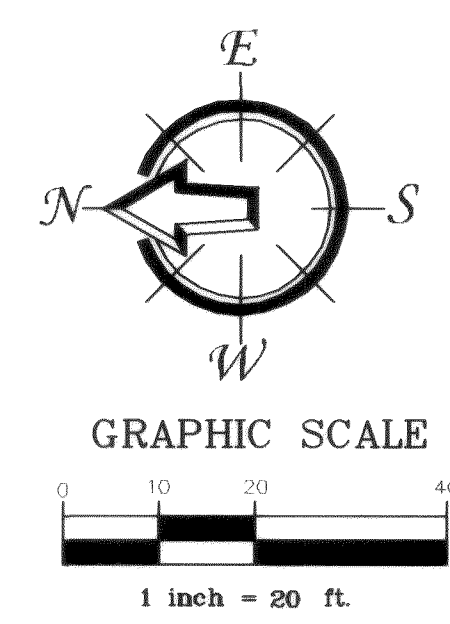
DATE: 01-07-08
JOB #: 05097
SHEET: C1

00355.001 1-24-08





00355.004 1.24.08



MOUNTAIN VIEW ROAD

PHASE ONE

1. COMPLETE BUILDING 1 & 2 IMPROVEMENTS.
2. COMPLETE ALL WATER MAIN.
3. COMPLETE ALL SEWER MAIN.
4. COMPLETE ALL STORM MAIN.
5. PAVE STALLS 1 - 26 AND PAVE ADJACENT DRIVEWAY.
6. CRUSH SURFACE REMAINING DRIVEWAY.
7. COMPLETE ROAD FRONTAGE IMPROVEMENTS.

PHASE TWO

1. COMPLETE BUILDINGS 4-6
2. PAVE REMAINING DRIVEWAYS AND PARKING STALLS 39-96.

PHASE THREE

1. COMPLETE BUILDINGS 3A AND 3B.
2. PAVE PARKING STALLS 27-38.

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By: SA G P Date: 1-15-08

APPROVED
JAN 17 2008
BY: Robert Conde
CITY OF FERNDALE



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1-800-424-5555

No.	Date	REVISION
1	6-05-07	REVISED WEST DRIVEWAY ENTRANCE & ADDED "END OF SIDEWALK" SIGNS

DESIGNED BY: TF
DRAWN BY: AMN
CHECKED BY: TF

FREELAND & ASSOCIATES

1408 North Garden Street
Bellingham, WA 98225
t: 360 650 1408
f: 360 650 1401

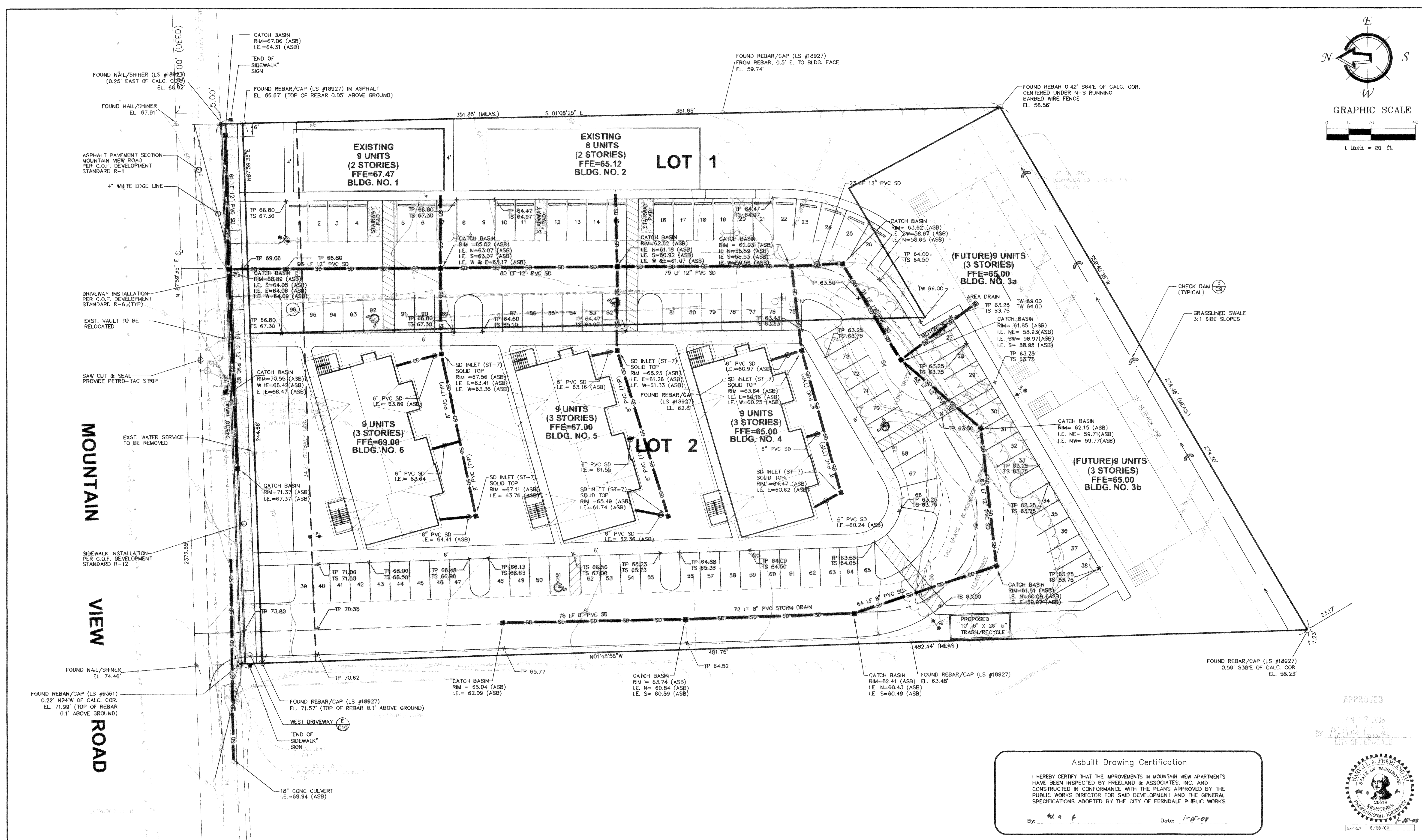
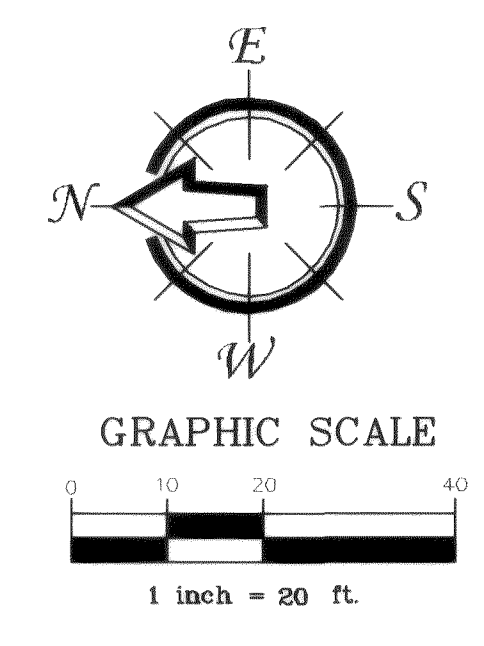
CLIENT: MOUNTAIN VIEW RDM, LLC
910 HARRIS STREET, UNIT 502
BELLINGHAM, WA 98225

PROJECT LOCATION: NE 1/4, NW 1/4 SEC. 30; T. 39 N.; R. 2E; W.M.
2373 MOUNTAIN VIEW ROAD
FERNDALE, WASHINGTON 98248

SHEET CONTENTS:
PHASED SITE PLAN

DWG #:	05097ASB	DATE:	01-07-08
JOB #:	05097	SHEET:	C4
SCALE:	H: 1"=20'	V: n/a	

00355.005 1-24-08



APPROVED
JAN 17 2008
BY: *Robert G. Gable*
CITY OF FERDALE



Asbuilt Drawing Certification
I HEREBY CERTIFY THAT THE IMPROVEMENTS IN MOUNTAIN VIEW APARTMENTS HAVE BEEN INSPECTED BY FREELAND & ASSOCIATES, INC. AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERDALE PUBLIC WORKS.
By: *414 P* Date: *1-15-08*

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No.	Date	REVISION	By

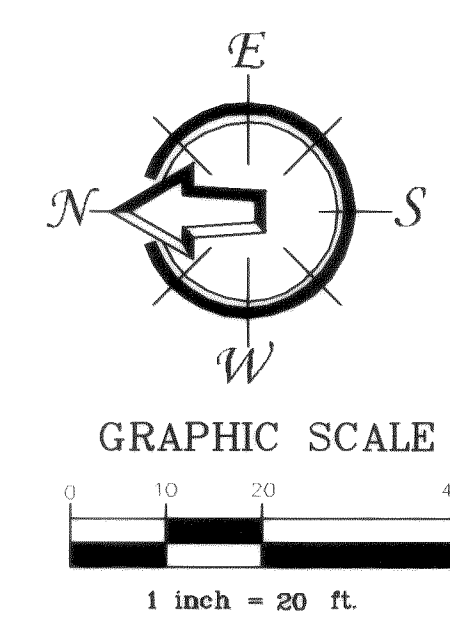
DESIGNED BY: TF
DRAWN BY: AMN
CHECKED BY: TF
FREELAND & ASSOCIATES
1408 North Garden Street
Bellingham, WA 98225
T: 360.650.1408 F: 360.650.1401

PROJECT LOCATION: NE 1/4, NW 1/4 SEC. 30; T. 39 N.; R. 2E; W.M.
2373 MOUNTAIN VIEW ROAD
FERDALE, WASHINGTON 98248

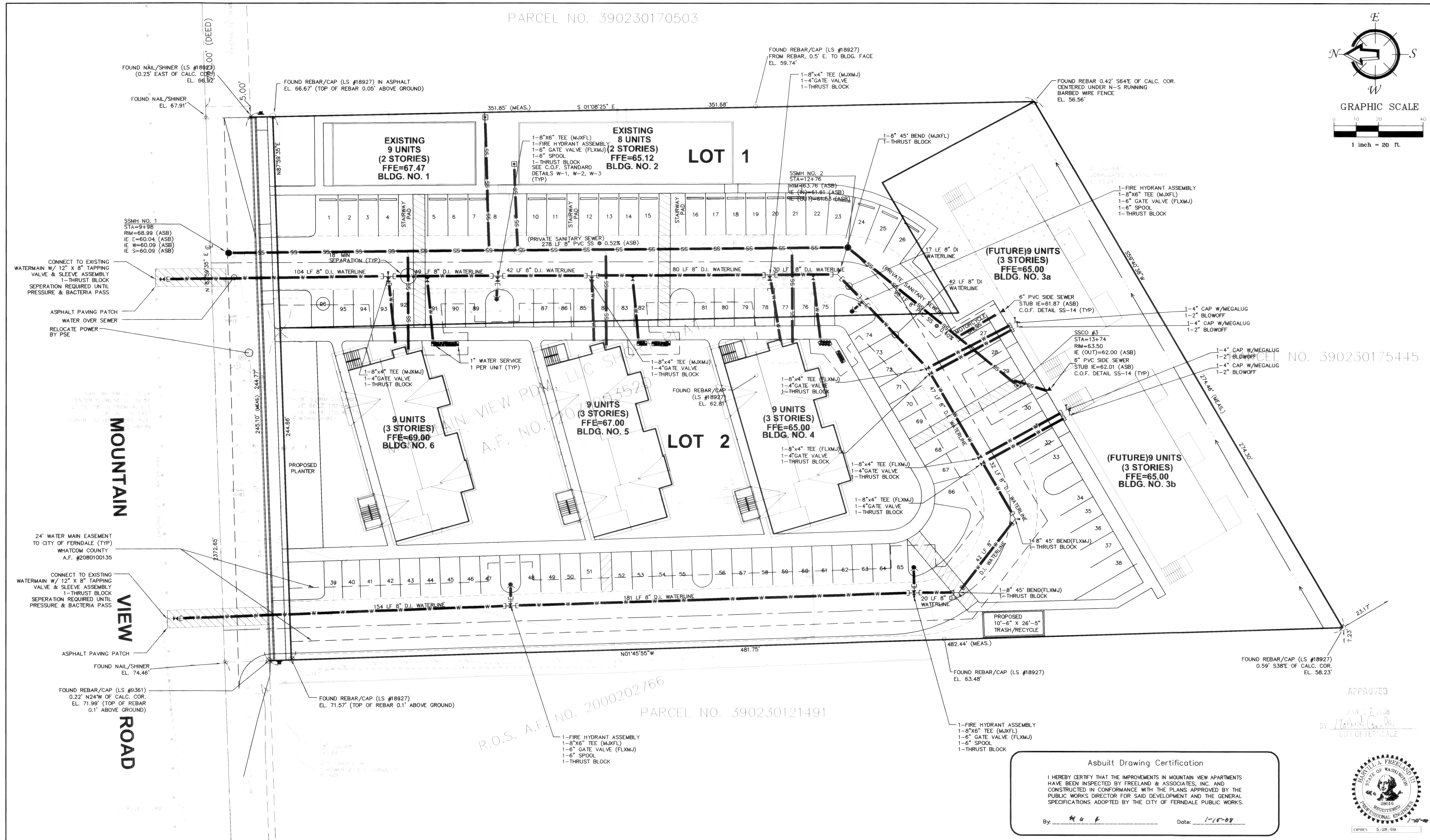
SHEET CONTENTS:
PAVING GRADING & DRAINAGE PLAN

DWG #: 05097ASB
JOB #: 05097
SCALE: H: 1"=20' V: n/a
DATE: 01-07-08
SHEET: **C5**

00355.000 1-24-08



PARCEL NO. 390230170503



NO. 390230175445

APPROVED
JAN 17 2008
By: [Signature]
CITY OF FERDALE



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By: [Signature] Date: 1-15-08

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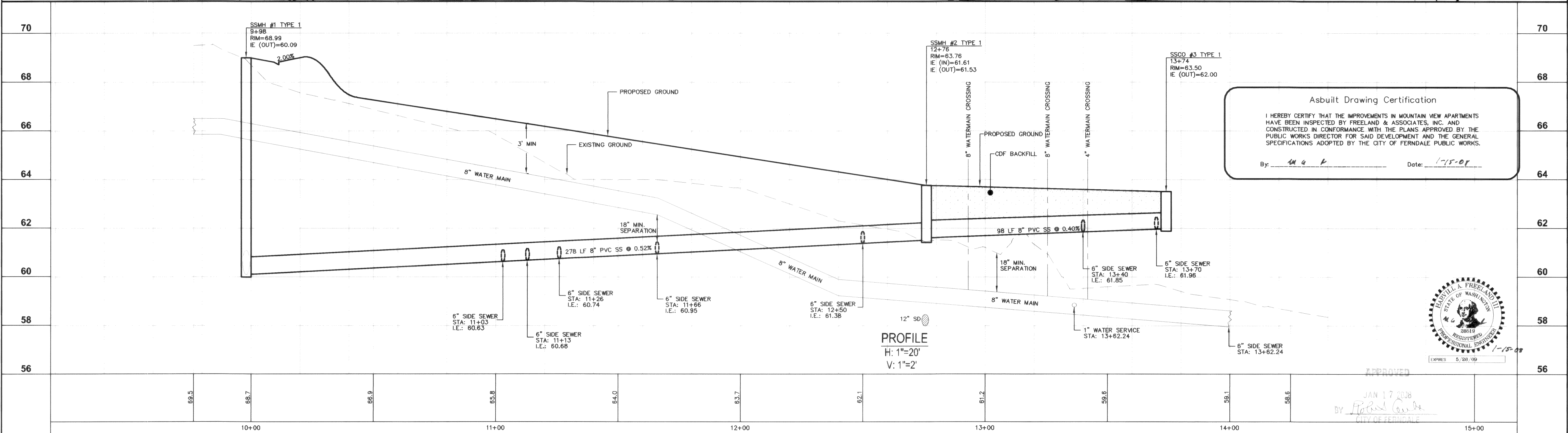
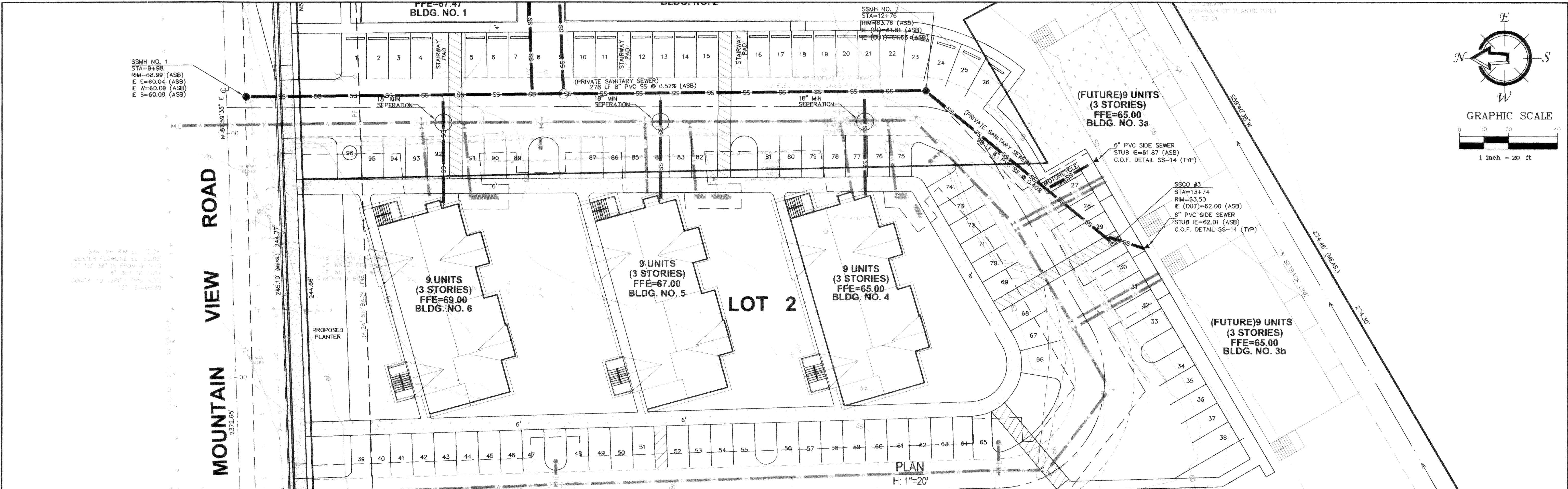
No.	Date	REVISION

DESIGNED BY: TF
DRAWN BY: AMN
CHECKED BY: TF
FREELAND & ASSOCIATES
1408 North Garden Street
Bellingham, WA 98225
T: 360.650.1408
F: 360.650.1401

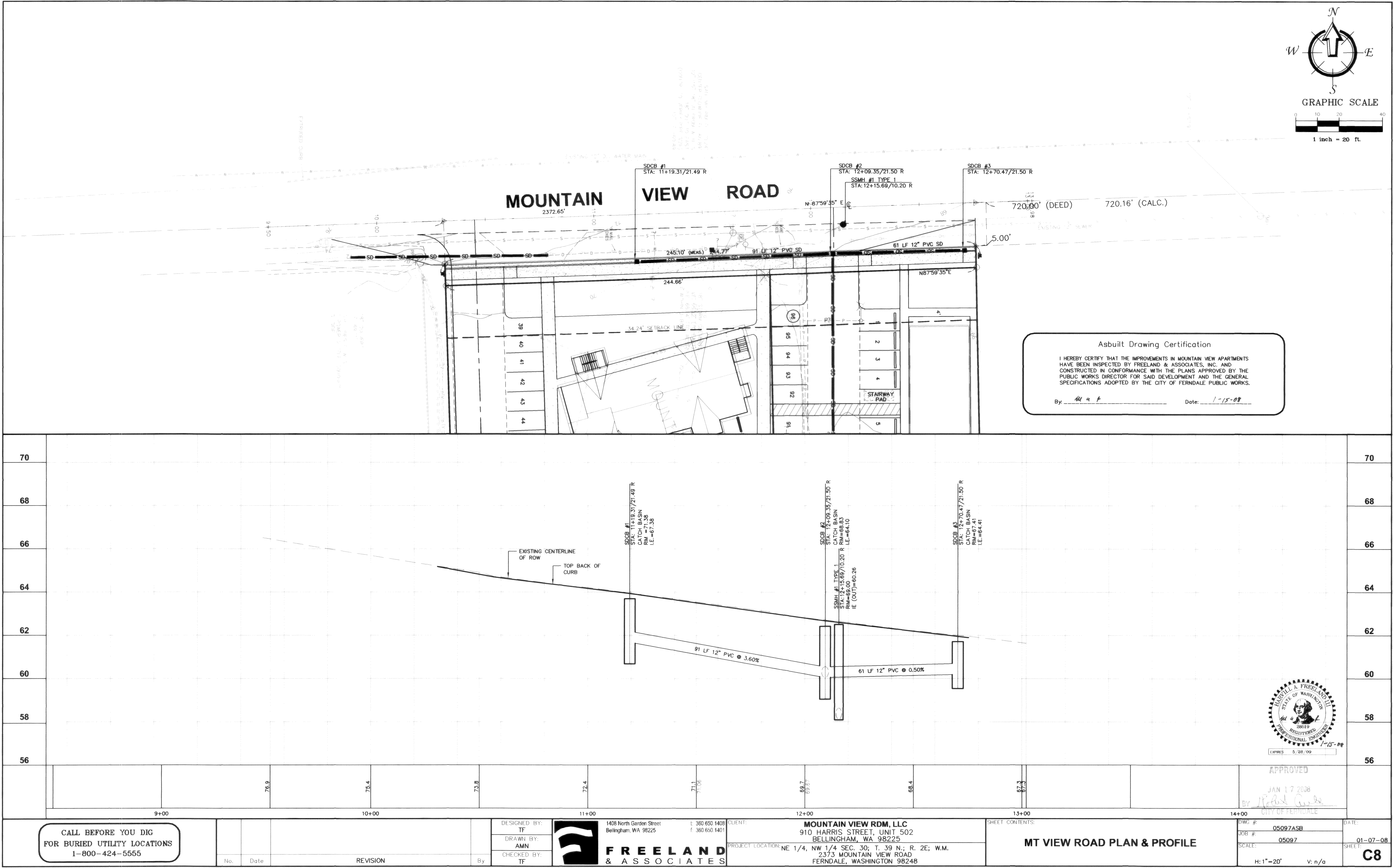
CLIENT: MOUNTAIN VIEW RDM, LLC
910 HARRIS STREET, UNIT 502
BELLINGHAM, WA 98225
PROJECT LOCATION: NE 1/4, NW 1/4 SEC. 30; T. 39 N.; R. 2E; W.M.
2373 MOUNTAIN VIEW ROAD
FERDALE, WASHINGTON 98248

SHEET CONTENTS:
WATER & SEWER PLAN

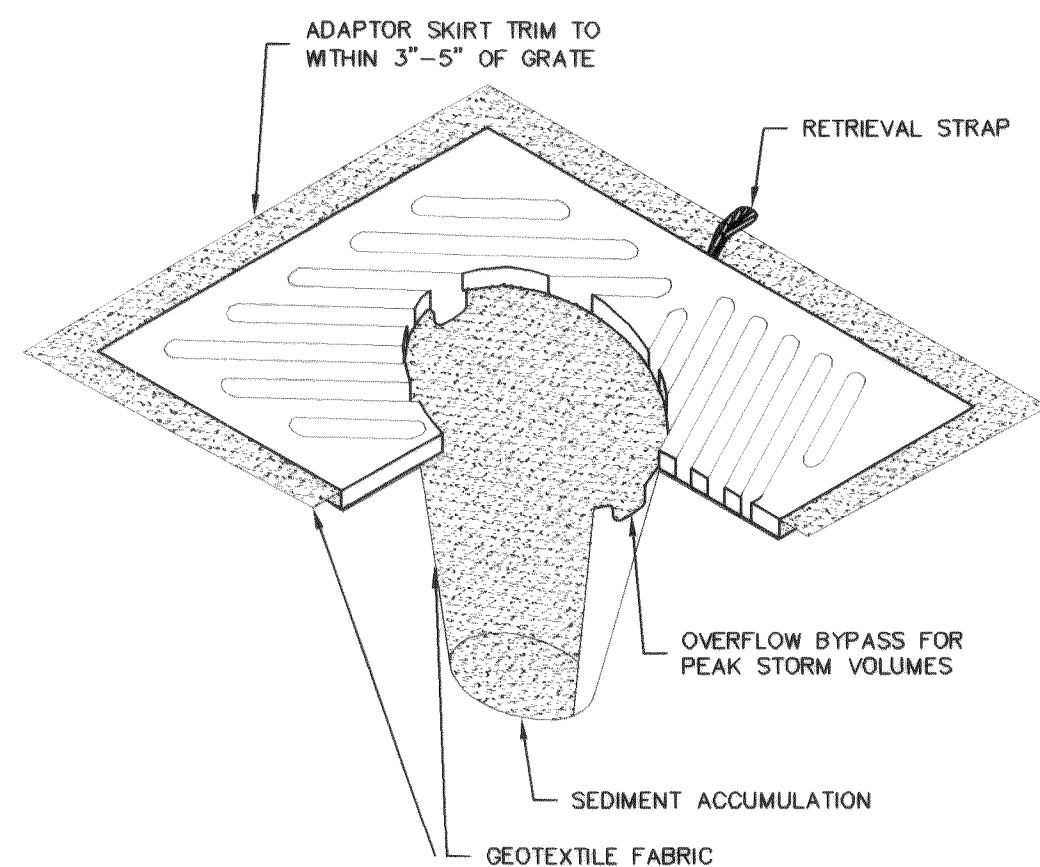
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JOB #: 05097
SCALE: H: 1"=20' V: n/a
DATE: 01-07-08
SHEET: C6



CALL BEFORE YOU DIG FOR BURIED UTILITY LOCATIONS 1-800-424-5555		DESIGNED BY: TF		DRAWN BY: AMN		CHECKED BY: TF		PROJECT LOCATION: NE 1/4, NW 1/4 SEC. 30; T. 39 N.; R. 2E; W.M. 2373 MOUNTAIN VIEW ROAD FERDALE, WASHINGTON 98248		SHEET CONTENTS: SANITARY SEWER PLAN & PROFILE		DWG. #: 05097ASB		DATE: 01-07-08	
No.		Date		REVISION		By		FREELAND & ASSOCIATES		SCALE: H: 1"=20' V: 1"=2'		C7			



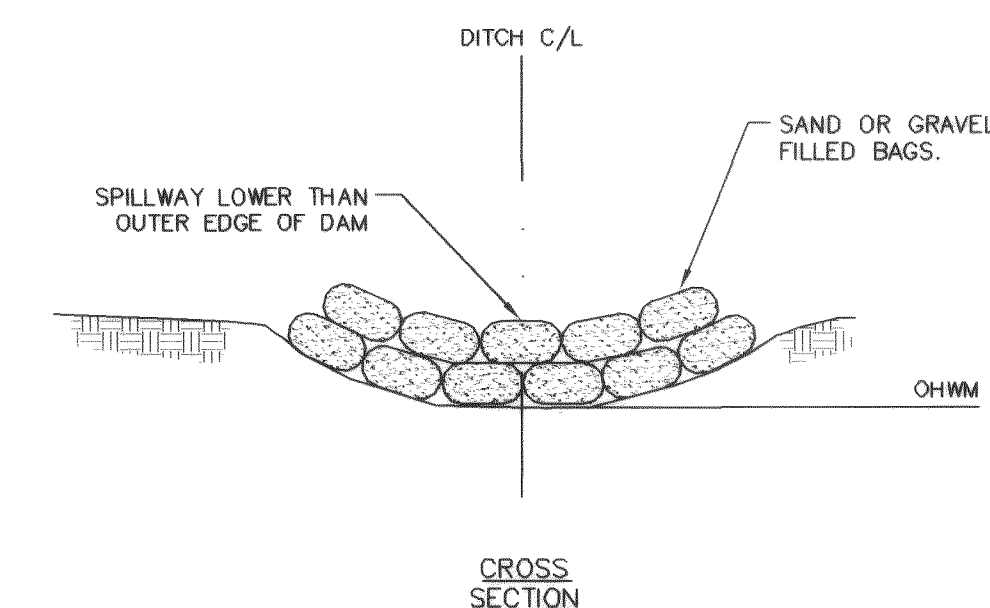
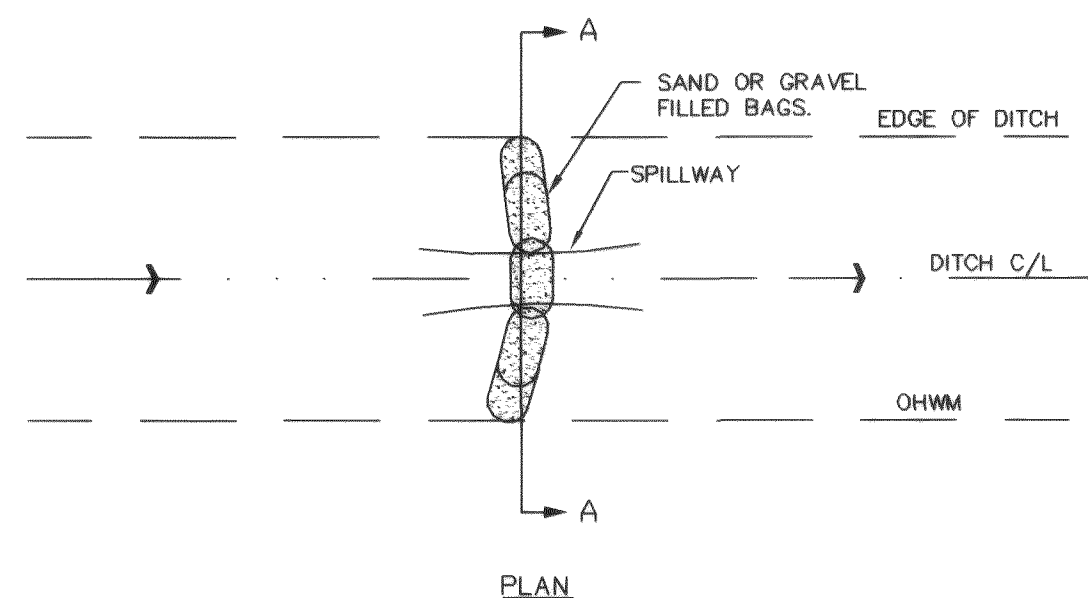
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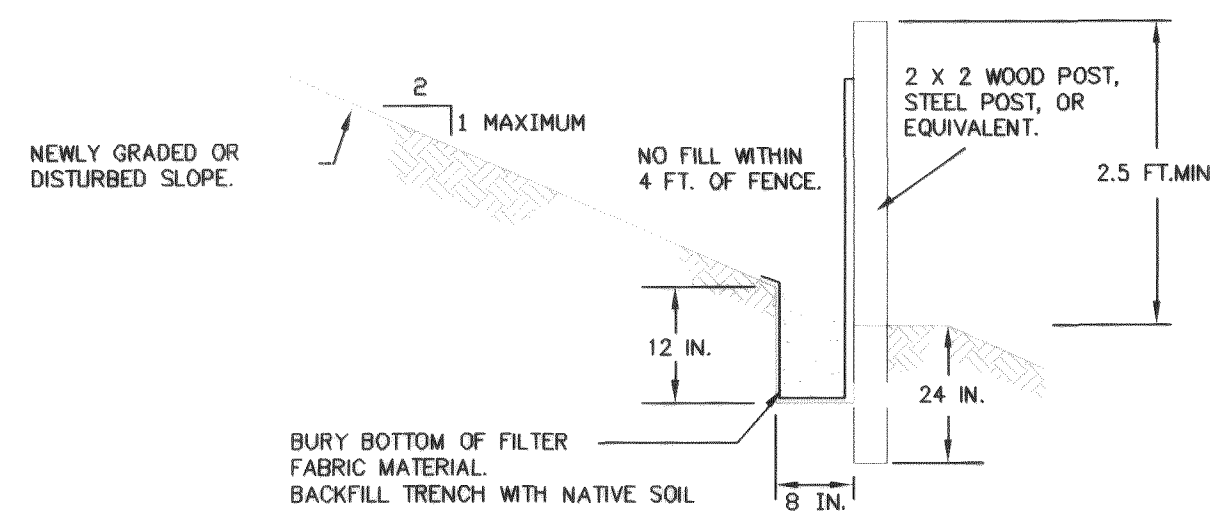
NOTES:

1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL .
3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.

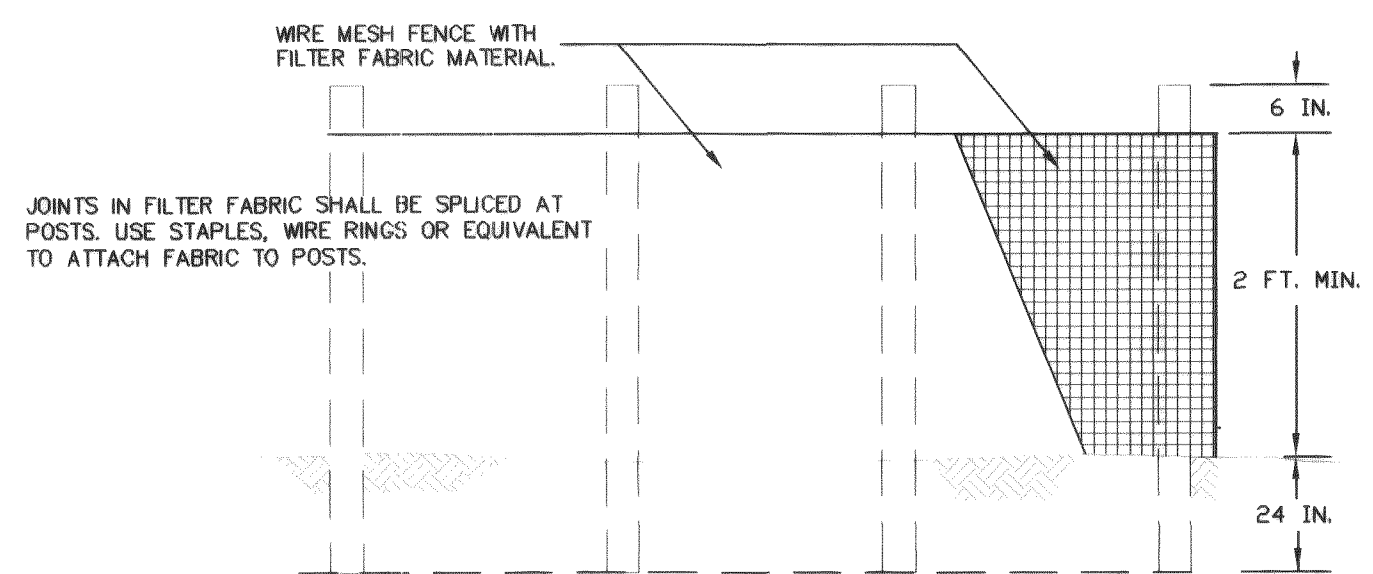
A CATCH BASIN INSERT
nts



B CHECK DAM
nts



TYPICAL CROSS SECTION

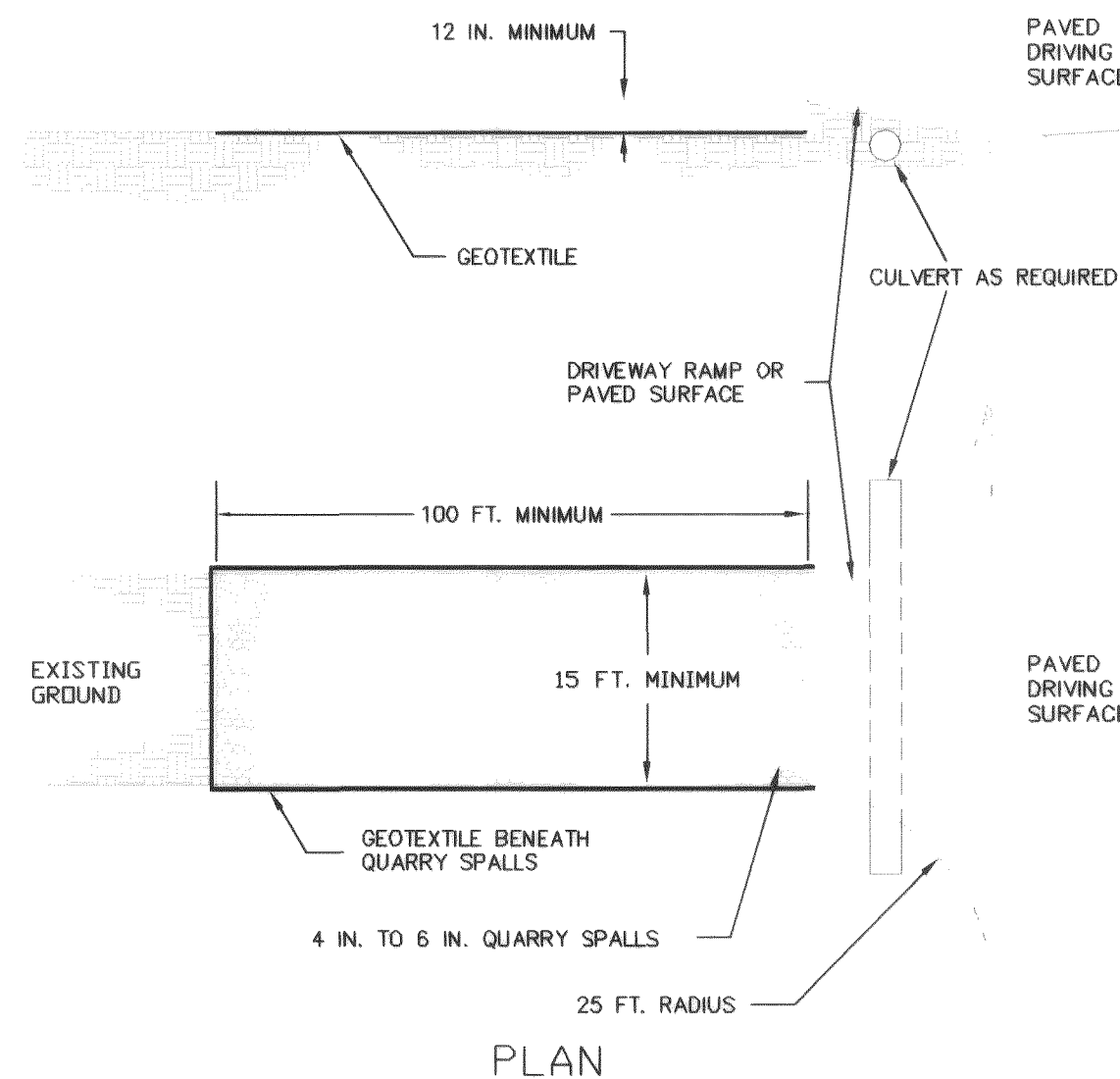


ELEVATION

NOTES:

1. FENCE SHALL NOT BE INSTALLED ON SLOPES STEEPER THAN 2 : 1.
2. JOINTS IN FILTER FABRIC SHALL BE OVERLAPPED 6 INCHES AT POST.
3. USE STAPLES, WIRE RINGS, OR EQUIVALENT TO ATTACH FABRIC TO WIRE FENCE.
4. REMOVE SEDIMENT WHEN IT REACHES 1/3 FENCE HEIGHT.

C SILT FENCE
nts



NOTES:

1. PAD SHALL BE REMOVED AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY THE CITY.
2. PAD SHALL BE INSTALLED IN PLANTING STRIP AS APPROPRIATE.
3. PAD THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE OR PER THE DIRECTION OF THE CITY.
4. MINIMUM DIMENSIONS MAY BE MODIFIED AS REQUIRED BY SITE CONDITIONS UPON APPROVAL OF THE CITY.

D CONSTRUCTION ENTRANCE
nts

Asbuilt Drawing Certification

I HEREBY CERTIFY THAT THE IMPROVEMENTS IN MOUNTAIN VIEW APARTMENTS HAVE BEEN INSPECTED BY FREELAND & ASSOCIATES, INC. AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE PUBLIC WORKS.

By: M. A. F. Date: 1-15-09

APPROVED
JAN 17 2009
BY: Mark A. Freeland
CITY OF FERNDALE



EXPIRES 5/28/09

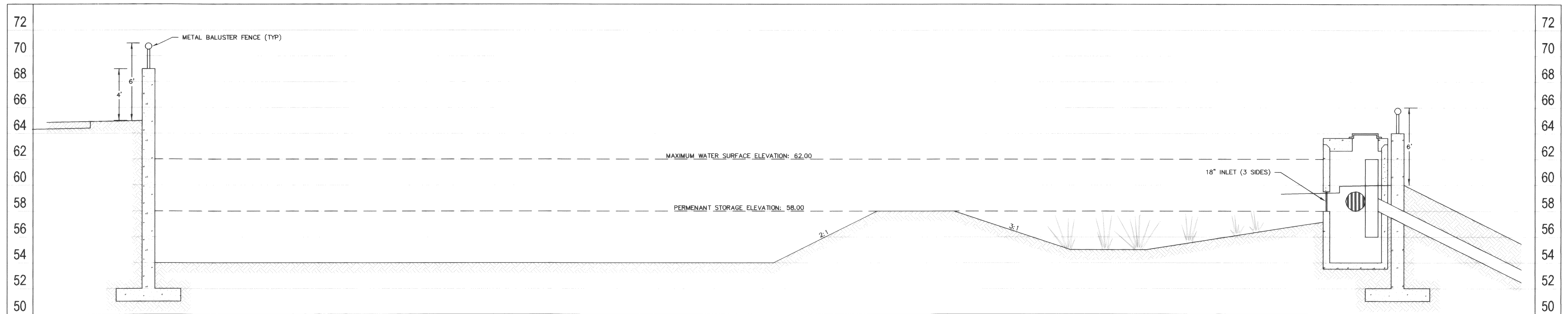
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No.	Date	REVISION

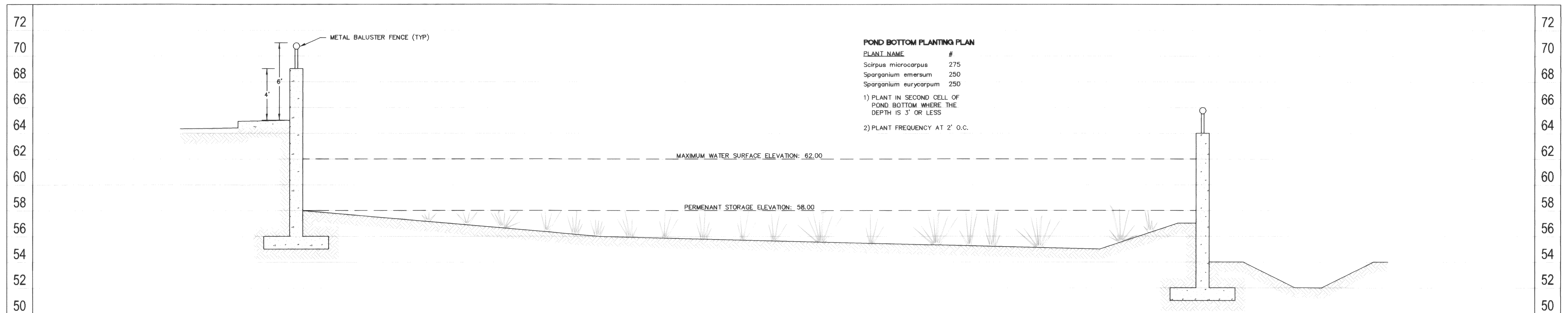
By	DESIGNED BY: TF		1408 North Garden Street Bellingham, WA 98225	t: 360.650.1408 f: 360.650.1401
	DRAWN BY: AMN			
	CHECKED BY: TF			

SHEET CONTENTS:	DWG #: 05097ASB	DATE: 01-07-08
	JOB #: 05097	SHEET: C9
	SCALE: H: 1"=20'	V: n/a

00355.009 1-24-08 KR



A POND CROSS-SECTION
nts



B POND CROSS-SECTION
nts

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By: NOT CONSTRUCTED Date: _____

APPROVED

JAN 17 2008

BY: Robert G. Galt

CITY OF FERNDALE

BERNELL A. FREELAND
STATE OF WASHINGTON
19810
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 5/28/09

CALL BEFORE YOU DIG
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1-800-424-5555

No.	Date	REVISION

DESIGNED BY:
TF

DRAWN BY:
JPS

CHECKED BY:
TF

1408 North Garden Street
Bellingham, WA 98225

T: 360.650.1408
F: 360.650.1401

FREELAND & ASSOCIATES

CLIENT: **MOUNTAIN VIEW RDM, LLC**
910 HARRIS STREET, UNIT 502
BELLINGHAM, WA 98225

PROJECT LOCATION: NE 1/4, NW 1/4 SEC. 30; T. 39 N.; R. 2E; W.M.
2373 MOUNTAIN VIEW ROAD
FERNDAL, WASHINGTON 98248

SHEET CONTENTS:

POND CROSS SECTION

DWG #: **05097ASB**

JOB #: **05097**

SCALE: **H: 1"=20' V: n/a**

DATE: **01-07-08**

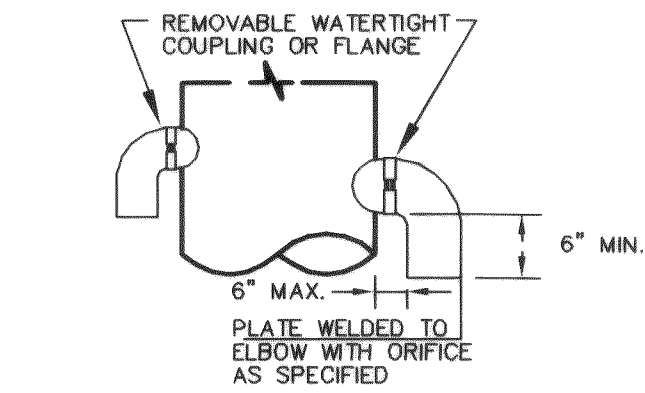
SHEET: **C11**

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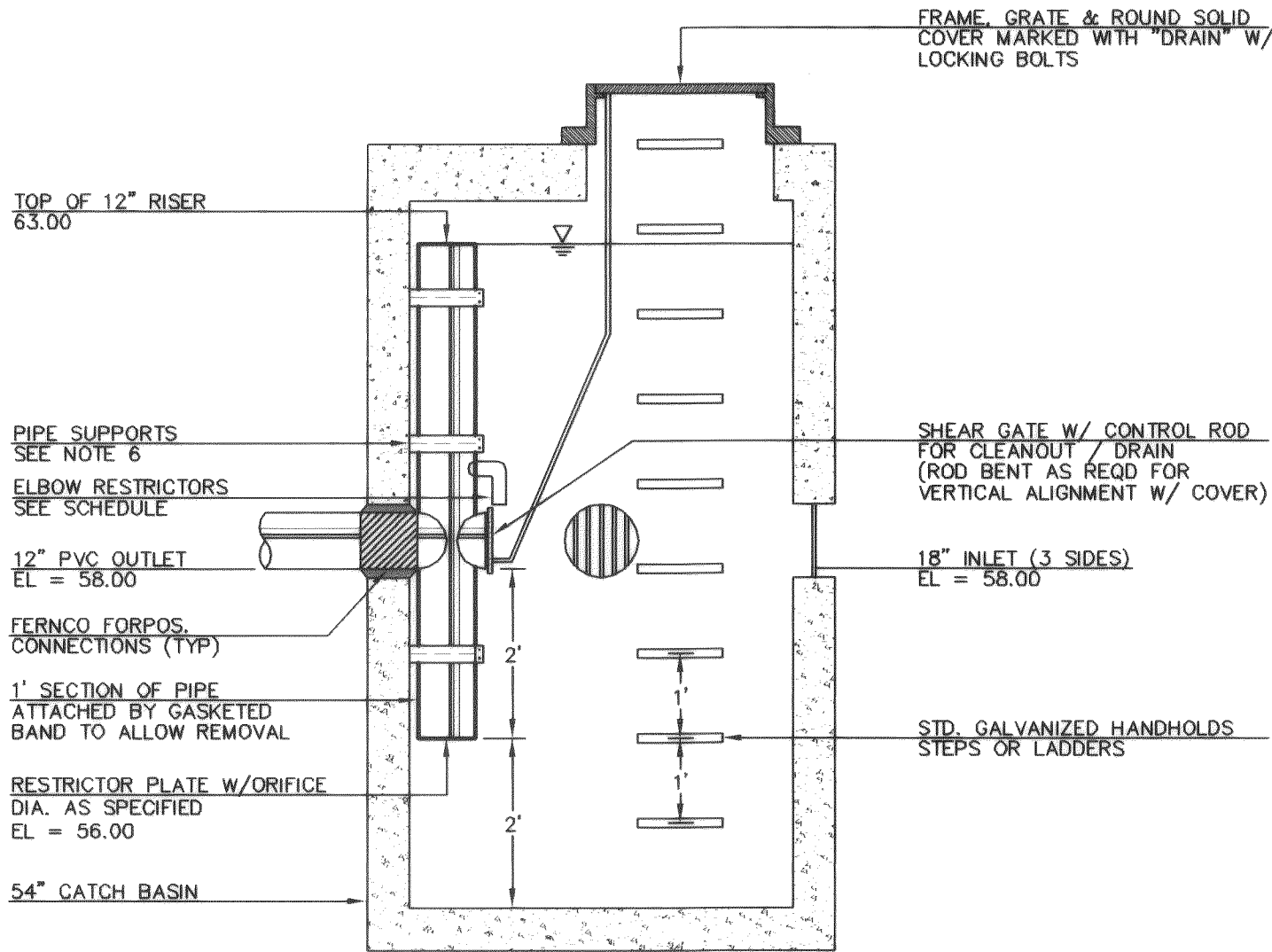
NOTES:

1. USE A MINIMUM OF A 54" DIAMETER TYPE 2 CATCH BASIN.
2. OUTLET CAPACITY: 100-YEAR DEVELOPED PEAK FLOW.
3. METAL PARTS: CORROSION RESISTANT, NON-GALVANIZED PARTS PREFERRED, GALVANIZED PIPE PARTS TO HAVE ASPHALT TREATMENT 1.
4. FRAME & LADDER OR STEPS OFFSET SO:
 - A. CLEANOUT GATE IS VISIBLE FROM TOP.
 - B. CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.
 - C. FRAME IS CLEAR OF CURB.
5. IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE: OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4".
6. PROVIDE AT LEAST ONE 3" X .090 INCHES SUPPORT BRACKET ANCHORED TO CB WALL (MAX. 3'-0" VERTICAL SPACING).
7. LOCATE ELBOW RESTRICTOR(S) AS NECESSARY TO PROVIDE MIN. CLEARANCE AS SHOWN.
8. LOCATE ADDITIONAL LADDER RUNGS IN STRUCTURES USED AS ACCESS TO TANKS OR VAULTS TO ALLOW ACCESS WHEN CATCH BASIN IS FILLED WITH WATER.

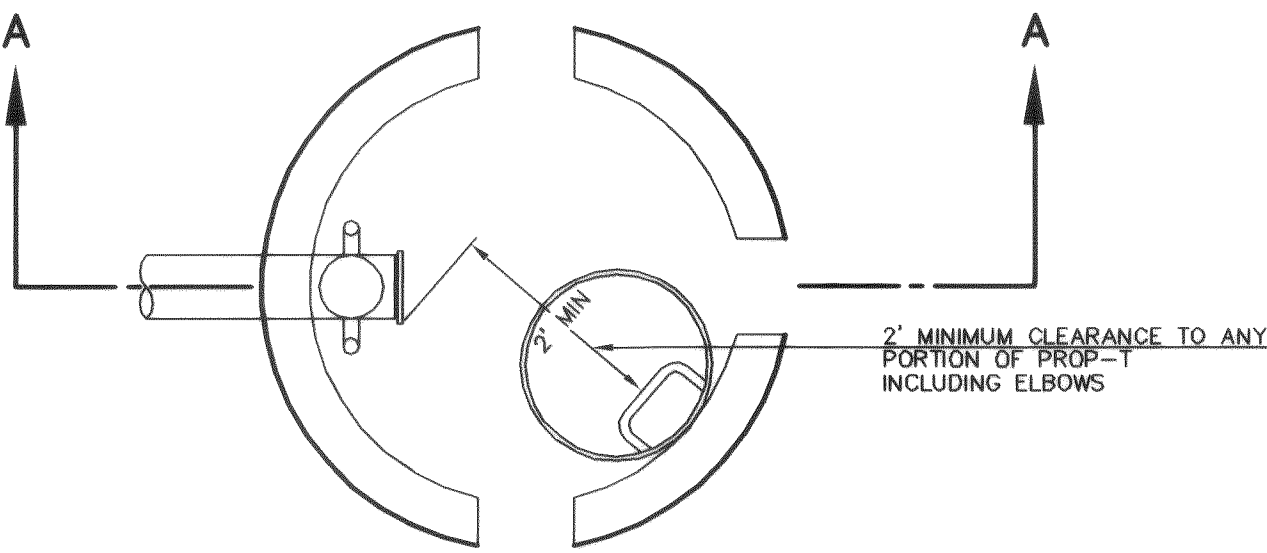
12" RISER ORIFICE SCHEDULE		
ELEVATION	ORIFICE DIAMETER	ELBOW PIPE DIAMETER
56.00	0.79"	N/A
62.04	1.28"	2"
62.45	0.77"	2"



ELBOW-RESTRICTOR



SECTION A-A



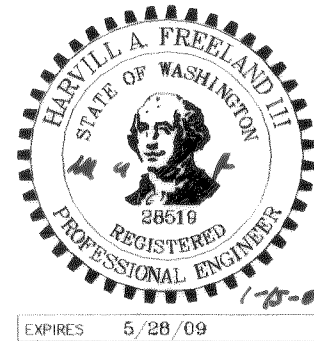
PLAN VIEW

A CONTROL MANHOLE

APPROVED

JAN 17 2008
BY: [Signature]
CITY OF FERNDAL

Asbuilt Drawing Certification
I HEREBY CERTIFY THAT THE IMPROVEMENTS IN MOUNTAIN VIEW APARTMENTS HAVE BEEN INSPECTED BY FREELAND & ASSOCIATES, INC. AND CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR FOR SAID DEVELOPMENT AND THE GENERAL SPECIFICATIONS ADOPTED BY THE CITY OF FERNDAL PUBLIC WORKS.
By: **NOT CONSTRUCTED** Date: _____



CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

No.	Date	REVISION	By

DESIGNED BY: TF
DRAWN BY: JPS
CHECKED BY: TF

FREELAND & ASSOCIATES

1408 North Garden Street
Bellingham, WA 98225
T: 360.650.1408
F: 360.650.1401

CLIENT: **MOUNTAIN VIEW RDM, LLC**
910 HARRIS STREET, UNIT 502
BELLINGHAM, WA 98225
PROJECT LOCATION: NE 1/4, NW 1/4 SEC. 30; T. 39 N.; R. 2E; W.M.
2373 MOUNTAIN VIEW ROAD
FERNDAL, WASHINGTON 98248

SHEET CONTENTS:
STORMWATER DETAILS

DWG #:	05097ASB	DATE:	01-07-08
JOB #:	05097	SHEET:	C12
SCALE:	H: 1"=20' V: n/a		

00355.012 1-24-08

00355.013 1-24-08 ~~42~~

GENERAL REQUIREMENTS

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, CURRENT EDITION AND THE CITY OF FERNDALE DEVELOPMENT STANDARDS AND SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SUB-SURFACE CONDITIONS AND SOILS TYPES.
3. THE SURVEYOR SHALL LAY OUT AND SET ANY CONSTRUCTION STAKES AND MARKS NEEDED TO ESTABLISH THE LINES, GRADES, SLOPES OR CROSS-SECTIONS AS SHOWN ON THE PLANS OR AS STAKED BY THE ENGINEER.
4. THROUGHOUT THE WORK, THE CONTRACTOR SHALL COMPLY WITH ALL PERMITS.
5. THE CONTRACTOR SHALL PROTECT ALL PRIVATE AND PUBLIC UTILITIES FROM DAMAGE RESULTING FROM THE WORK.
6. WHEN THE CONTRACTOR CONSIDERS THE WORK PHYSICALLY COMPLETE AND READY FOR FINAL INSPECTION, THE CONTRACTOR SHALL REQUEST THAT CITY INSPECTOR TO SCHEDULE A FINAL INSPECTION. THE INSPECTOR WILL MAKE A FINAL INSPECTION AND NOTIFY THE CONTRACTOR IN WRITING OF ALL PARTICULARS IN WHICH THE FINAL INSPECTION REVEALS THE WORK INCOMPLETE OR UNACCEPTABLE. THE CONTRACTOR SHALL IMMEDIATELY TAKE SUCH CORRECTIVE MEASURES AS ARE NECESSARY TO REMEDY THE LISTED DEFICIENCIES.
7. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE CONTRACTOR, OWNER, CITY ENGINEER AND PROJECT ENGINEER. (MINIMUM 3 DAYS PRIOR TO STARTING WORK)
8. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS 1-07.23-PUBLIC CONVENIENCE AND SAFETY, SHALL APPLY.
10. PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO THE CITY PRIOR TO THE PRE-CONSTRUCTION MEETING.
11. NO WORK SHALL OCCUR BETWEEN 7:00 PM & 7:00 AM.
12. ALL HARD SURFACED PAVEMENTS MUST BE REPAIRED AT THE CLOSE OF EACH WORK DAY. THE REPAIRS CAN BE TEMPORARY WITH ASPHALT COLD MIX OR PERMANENT WITH HOT MIX ASPHALT OR CONCRETE. ALL REPAIRS SHALL BE ACCORDING TO CITY OF FERNDALE DRAWING R-11.
13. ALL WORK MUST BE INSPECTED BY A REPRESENTATIVE OF THE CITY OF FERNDALE ENGINEERING DIVISION, AND 24 HOURS NOTICE MUST BE GIVEN PRIOR TO STARTING WORK OR TO SCHEDULE INSPECTIONS IN ACCORDANCE WITH SECTION 302 OF THE DEVELOPMENT STANDARDS.
14. UPON COMPLETION OF THE PROJECT A CERTIFIED AS-BUILT PRINT SHALL BE PROVIDED TO THE CITY. AS-BUILTS SHALL BE ACCORDING TO CITY OF FERNDALE SPECIFICATIONS.
15. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORFE. CALL 1-800-424-5555 FOR UTILITY LOCATE 48 HOURS PRIOR TO WORK, CONTRACT TO HOLD. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL ADJACENT UTILITIES WHICH INCLUDE BUT ARE NOT LIMITED TO: WATER, SEWER, STORM SEWER, POWER, TELEPHONE, CABLE TV, IRRIGATION, AND STREET LIGHTING. CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISTURBED BY THE PROJECT UPON COMPLETION OF THE PROJECT.
16. A REVOCABLE ENCROACHMENT PERMIT SHALL BE OBTAINED PRIOR TO COMMENCING WORK IN THE PUBLIC RIGHT OF WAY.

BASES

1. GRAVEL BASES AND BALLAST MAXIMUM PARTICLE SIZE PASSING THE U.S. NO. 200 SIEVE SHALL NOT EXCEED 5%.
2. BALLAST, GRAVEL BASE AND CRUSHED SURFACING SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY.
3. THE CONTRACTOR OR PROPONENT SHALL BE RESPONSIBLE FOR ALL COMPACTION TESTING. ALL TESTING SHALL BE THROUGH ENGINEERING REVIEW ACCOUNT AND PAID FOR BY THE OWNER.

PAVEMENTS

1. WHERE SHOWN ON THE PLANS, PAVEMENT MARKINGS SHALL BE OBLITERATED UNTIL BLEMISHES CAUSED BY THE PAVEMENT MARKING REMOVAL CONFORM TO THE COLORATION OF THE ADJACENT PAVEMENT.
2. SOIL RESIDUAL HERBICIDE SHALL BE PLACED WITHIN 24 HOURS OF PAVING.
3. A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.
4. ALL PAVEMENT REPAIR SHALL BE SAW-CUT BEFORE REMOVAL. AR-4000W SHALL BE APPLIED TO ALL EDGES OF EXISTING PAVEMENT.
5. ASPHALT CONCRETE PAVEMENT SHALL NOT BE PLACED NOR COMPACTED DURING HOURS OF DARKNESS.
6. SUBGRADE SHALL BE CERTIFIED IN WRITTING BY THE ENGINEER PRIOR TO PAVING.

WATER MAINS

1. TEST PRESSURE FOR WATERMAIN ACCEPTANCE SHALL BE 225 p.s.i. AT THE HIGHEST POINT ON THE WATER LINE AND SHALL BE DONE ACCORDING TO CITY OF FERNDALE REQUIREMENTS. ALL PURIFICATION ACCEPTANCE TESTING SHALL BE ACCORDING TO CITY OF FERNDALE REQUIREMENTS. THE PIPE WILL NOT PASS UNLESS A ZERO BACTERIA COUNT IS OBTAINED FOR TWO CONSECUTIVE TESTS 24 HOURS APART.
2. ALL BACKFILL SHALL BE IMPORTED GRAVEL AND SHALL CONFORM TO SECTION 2-09 OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
3. ALL PIPE SHALL HAVE A MINIMUM COVER OF 3.5 FEET.

EARTHWORK

1. THE CONTRACTOR SHALL CLEAR, GRUB AND CLEAN UP THOSE AREAS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL EXCAVATE AND GRADE TO THE ALIGNMENT, GRADE AND CROSS-SECTIONS SHOWN IN THE PLANS OR ESTABLISHED BY THE ENGINEER, IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL ENGINEERING STUDY.
3. MAXIMUM DENSITY AND OPTIMUM MOISTURE FOR GRANULAR MATERIALS WILL BE DETERMINED USING ASTM D-1557 TEST METHOD.
4. UNSUITABLE MATERIAL NOT FIT FOR A SUB-GRADE SHALL BE EXCAVATED TO THE BOUNDARIES SET BY THE ENGINEER AND REPLACED WITH A SUITABLE BACKFILL MATERIAL.

STORM DRAINAGE

1. ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT 7-D8. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
2. ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
3. ALL CATCH BASIN GRATES SHALL INCLUDE THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS."

STORM DRAINAGE CONT.

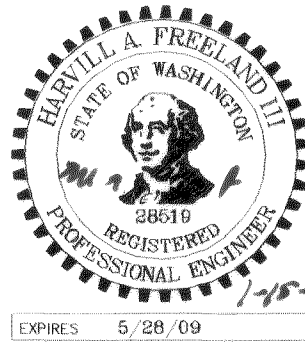
4. ALL DRIVEWAY CULVERTS LOCATED WITHIN THE RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS PER WSDOT.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL STUB-OUT CONVEYANCE LINES WITH RESPECT TO THE UTILITIES (E.G. POWER, GAS, TELEPHONE, TELEVISION).

SANITARY SEWER SPECIFICATIONS

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, CURRENT EDITION AND THE CITY OF FERNDALE DEVELOPMENT STANDARDS SECTION 5 AND SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE.
2. FOUR INCH THROUGH TWELVE-INCH PIPE SHALL BE PVC PIPE CONFORMING TO ASTM D-3034, SDR-35 OR EQUAL. PIPE JOINTS SHALL BE MADE WITH FLEXIBLE GASKETS CONFORMING TO THE REQUIREMENTS OF SECTION 7-17.3G (2)E OF THE STANDARD SPECIFICATIONS.
3. TRENCH EXCAVATION SHALL BE ACCORDING TO SECTION 7-17.3(1)A OF THE STANDARD SPECIFICATIONS.
4. THE BEDDING SHALL BE PEA GRAVEL PER SS-1.
5. PIPE LAYING SHALL MEET THE REQUIREMENTS OF SECTION 7-17.3(2)B OF THE STANDARD SPECIFICATIONS.
6. ALL SIDE SEWERS SHALL BE CONSTRUCTED ACCORDING TO THE CITY OF FERNDALE STANDARD PLAN SS-6 THROUGH SS-8. CONNECT SIDE SEWERS PER COF DWG SS-12.
7. ALL TRENCH BACKFILL UNDER EXISTING OR FUTURE PAVING SHALL BE BANK RUN GRAVEL, CLASS "B" AND SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
8. ALL SEWER PIPE WILL BE PRESSURE TESTED AND WILL SCANNED BY MEANS OF A TV CAMERA PRIOR TO ACCEPTANCE BY THE CITY OF FERNDALE.
9. ALL MANHOLES WILL BE ACCORDING TO THE CITY OF FERNDALE STANDARD PLAN NO. SS-2. THROUGH SS-4.
10. ALL CLEANOUTS SHALL BE ACCORDING TO CITY OF FERNDALE STANDARD PLAN NO. SS-5.
11. ALL HARD SURFACED PAVEMENTS MUST BE REPAIRED AT THE CLOSE OF EACH WORK DAY. THE REPAIRS CAN BE TEMPORARY WITH ASPHALT COLD MIX OR PERMANENT WITH HOT MIX ASPHALT OR CONCRETE.
12. ALL WORK MUST BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF THE CITY OF FERNDALE PUBLIC WORKS, AND 24 HOURS NOTICE MUST BE GIVEN PRIOR TO STARTING WORK OR TO SCHEDULE INSPECTIONS.
13. ALL TESTING SHALL BE DONE IN THE PRESENCE AND UNDER THE SUPERVISION OF A REPRESENTATIVE OF THE CITY OF FERNDALE.

APPROVED

JAN 17 2009
BY *[Signature]*
CITY OF FERNDALE



Asbuilt Drawing Certification

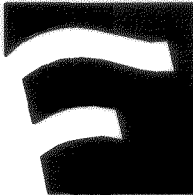
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By: 444 P Date: 1-15-08

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DRAWN BY:
AMM
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SHEET CONTENTS:

GENERAL NOTES

DWG #: **05097ASB**
JOB #: **05097**
SCALE: H: n/a V: n/a

DATE: **01-07-08**
SHEET: **C13**