

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "CITY OF WEST LINN STREET/UTILITY DESIGN AND CONSTRUCTION STANDARDS" DATED JULY 14, 1988 & THE CURRENT EDITION OF THE APWA STANDARD SPECIFICATIONS.
- PRIOR TO ANY CONSTRUCTION, LOCATIONS OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR. WHEN ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- ORGANIC AND NON-DESIRABLE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION AREA AS DIRECTED BY THE ENGINEER.
- ALL FILL AREAS SHALL BE STRIPPED OF ORGANIC MATERIAL. FILL WILL BE PLACED IN 9-INCH LAYERS AND COMPACTED TO 95 PERCENT RELATIVE MAXIMUM DENSITY ACCORDING TO AASHTO T-99 STANDARDS. BASE ROCK IN THE STREET WILL BE COMPACTED TO THE SAME STANDARD. LANDSCAPE AREAS WILL BE COMPACTED TO 90 PERCENT. THE CONTRACTOR WILL PROVIDE DENSITY TESTING, ONE FOR EVERY 10,000 SQUARE FEET OF AREA AND FOR EVERY 2 FEET OF FILL PLACED. COMPACTION REPORTS FROM A REPUTABLE TESTING LAB WILL BE SUPPLIED TO THE ENGINEER.
- CONTRACTOR SHALL LEAVE ALL AREAS OF THE PROJECT FREE OF DEBRIS AND UNUSED CONSTRUCTION MATERIALS.
 - AREAS TO BE LANDSCAPED SHALL BE SMOOTHED AND LEFT TO THE GRADES INDICATED ON THE GRADING PLAN, PLUS OR MINUS 0.1 FOOT.
 - ALL DISTURBED AREAS NOT TO BE LANDSCAPED ARE TO BE SEED TO PREVENT EROSION.
- ANY CHANGES FROM THE APPROVED PLANS SHALL BE REQUESTED BY THE CONTRACTOR IN WRITING. THE DESIGN ENGINEER AND THE CITY OF WEST LINN'S PROJECT ENGINEER MUST APPROVE THE CHANGE PRIOR TO ITS IMPLEMENTATION. COMPLEXITY OF MODIFICATION WILL DETERMINE IF REVISED PLANS ARE REQUIRED.
- THE FOLLOWING CITY OF WEST LINN DETAILS SHALL BE USED AT LOCATIONS AS SPECIFIED IN THE PLANS:
 - SHALLOW MH - DWG. NO. MH-210
 - MH FRAME & COVER - DWG. NO. MH-212
 - GUTTER INLET 2 1/2" - DWG. NO. GI-214
 - CURB & GUTTER - DWG. NO. CG-285
 - CONCRETE SIDEWALK - DWG. NO. CS-270
 - SIDEWALK RAMP - DWG. NO. CS-271
 - PIPE BEDDING & BACKFILL DETAILS - DWG. NO. PB-280
 - THRUST BLOCKING - DWG. NO. TB-302
 - WATER METER - DWG. NO. WM-304
- STORM/SANITARY SEWERS:
 - TRENCH BACKFILL IN PAVED AREAS WILL BE 3/4-INCH TO 0-INCH CRUSHED ROCK COMPACTED TO 95 PERCENT RELATIVE MAXIMUM DENSITY, AASHTO T-99.
 - ALL SANITARY SEWER & STORM PIPE SHALL BE PVC IN ACCORDANCE WITH ASTM SPECIFICATIONS D-3033 AND D-3034. ALL PUBLIC STORM MAINS SHALL BE T.V. AND MANDREL TESTED. ALL PUBLIC SANITARY SEWER MAINS SHALL BE T.V., PRESSURE & MANDREL TESTED. PUBLIC SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED. ALL TESTS TO BE COMPLETED & APPROVED PRIOR TO CONNECTION TO THE CITY SYSTEM.
 - MANHOLE RIM ELEVATIONS SHOWN ARE APPROXIMATE AND FOR INFORMATION ONLY. FINAL ELEVATIONS SHALL BE SET TO MATCH CONSTRUCTED FINISH GRADE.
- WATERLINES:
 - IN CASE OF A DISCREPANCY BETWEEN THE DRAWINGS AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE DEEMED TO GOVERN.
 - ALL WATER PIPE AND FITTINGS SHALL BE DUCTILE CAST IRON CLASS 52 AND CONFORM TO STANDARD CITY SPECIFICATIONS AND DETAILS.
 - WATERLINES SHALL BE PRESSURE TESTED FOLLOWING COMPLETION. PRESSURE TESTS AT THE LOWEST POINT IN TEST SECTION SHALL BE IN ACCORDANCE TO THE CITY OF WEST LINN'S STANDARDS WITH A MINIMUM TEST PRESSURE OF 180 PSI. LEAKAGE MUST BE WITHIN ALLOWABLE LEAKAGE LIMITS. SERVICE LINES WILL ALSO BE TESTED TO THE METER LOCATION IF INSTALLED BY THE CONTRACTOR.
 - PRIOR TO BEING PLACED INTO SERVICE, THE WATERLINE SHALL BE FLUSHED, STERILIZED AND FLUSHED AGAIN ALL IN ACCORDANCE WITH STANDARD METHODS OF THE HEALTH DIVISION, DEPARTMENT OF HUMAN RESOURCES, STATE OF OREGON.
 - PRIOR TO ALLOWING HUMAN CONSUMPTION OF THE WATER FROM THE NEW WATERLINE, A SAMPLE SHALL BE TAKEN AND TESTED FOR BACTERIOLOGICAL QUALITY. RESULTS MUST BE WITHIN STANDARDS OF THE STATE OF OREGON.
 - CONCRETE THRUST BLOCKING SHALL BE PROVIDED AT ALL WATERLINE FITTINGS AS REQUIRED BY CITY STANDARDS. BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH AND CLEAR OF JOINT ACCESSORIES. BEARING AREA OF THRUST BLOCK SHALL BE COMPUTED ON THE BASIS OF ALLOWABLE SOIL BEARING PRESSURE.
 - THE OWNER WILL SUPPLY ONE SET OF STAKES FOR EACH CONSTRUCTION OPERATION AS DESCRIBED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE OR REPRESENTATIVES WHO ARE AUTHORIZED TO REQUEST STAKES. STAKING REQUESTS FROM AUTHORIZED REPRESENTATIVE SHALL BE MADE TO DAVE LIDEN AT OTAK (699-2401) AT LEAST 24 HOURS IN ADVANCE OF THE NEED FOR SAID STAKES. ONLY REQUESTS FROM AUTHORIZED REPRESENTATIVES WILL BE HONORED. ANY RESTAKING SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.

LOCATES (48 HOURS NOTICE REQUIRED PRIOR TO EXCAVATION)

ONE CALL SYSTEM	246-6699
(GENERAL TELEPHONE, NORTHWEST (NATURAL GAS, U.S. WEST, U.S. SPRINT)	
PORTLAND GENERAL ELECTRIC	643-5454, EXT. 312, 313, 314
TCI CABLE TELEVISION	243-7491
REPAIR EMERGENCIES	
NORTHWEST NATURAL GAS	226-4211, EXT. 4413
GENERAL TELEPHONE	629-2121
CITY OF WEST LINN	
WATER OPERATIONS	656-3535
SANITARY SEWER OPERATIONS	

ATTENTION EXCAVATORS: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of these rules from the Center by calling (503) 232-1987. If you have any questions about the rules, you may contact the call Center. YOU MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL (503) 246-6699.

CASCADE SUMMIT TOWNHOMES SOUTH CITY OF WEST LINN

PROJECT TEAM

Owner: KOSS, BROD, GOODRICH & ASSOCIATES
Contact: Brian Keicher
Phone: (503) 635-7944

Engineer: Otak Incorporated
Contact: M. Fares Kekhia or Scott Shumaker
Phone: (503) 635-3818

SHEET INDEX

- TITLE SHEET
- GRADING/EROSION CONTROL & COMPOSITE UTILITY PLAN
- STREET & SANITARY SEWER PLAN/PROFILE
- EROSION CONTROL NOTES & DETAILS

PLANNING AND DEVELOPMENT PLANNING DIRECTOR'S LAND USE DECISION

FILE NO: SUB-97-05
 SUBJECT: 9 LOT SUBDIVISION / CASCADE SUMMIT
 LEGAL DESCRIPTION: 21E 26DD TAX LOT 3800
 LOCATION: ADJACENT TO & GENERALLY WEST OF CASCADE SUMMIT CLUBHOUSE ON CHAPARREL LOOP
 OWNER: KGB & ASSOCIATES
 APPLICANT: KGB & ASSOCIATES
 ZONE: R-3
 PLAN DESIGNATION: HIGH DENSITY RESIDENTIAL / WITHIN CASCADE SUMMIT P.U.D.

STAFF CHECKLIST:

R.O.W.:	✓	STREET & S/W IMPROVEMENTS:	✓
UTILITY EASEMENTS:	✓	SQ. FT.:	✓
FLOOR PLAN CONSTRUCTION:	N/A	WETLANDS & DRAINAGEWAYS:	N/A
ADDITIONAL INFO: PLEASE NOTE: THE HOUSING TYPE (E.G. TOWNHOUSES ETC.) HAS NOT BEEN SPECIFIED OR APPROVED BY THIS APPLICATION			

Based upon the approval criteria of the applicable Development Code Chapter 85.000, the Planning Director hereby adopts the findings of the applicant in Exhibit A, as providing complete response to the approval criteria of Chapter 85.

APPROVED APPROVED WITH CONDITIONS DENIED

CONDITIONS OF APPROVAL:

- Development of more than two common wall units must go through Design Review.
- Final platting must occur within the time specified by the CDC.
- Curb flush sidewalk permitted with street trees behind sidewalk per CDC standards.
- All tree clusters identified on attached Exhibit B must be protected by snow fences placed 10 feet beyond drip line and protected on plat by tree conservation easements. The 38 inch hemlock on Lot 7 shall also be protected by easement. City arborist may modify easement boundaries only after review with Planning Department.
- This property shall be annexed prior to final platting.

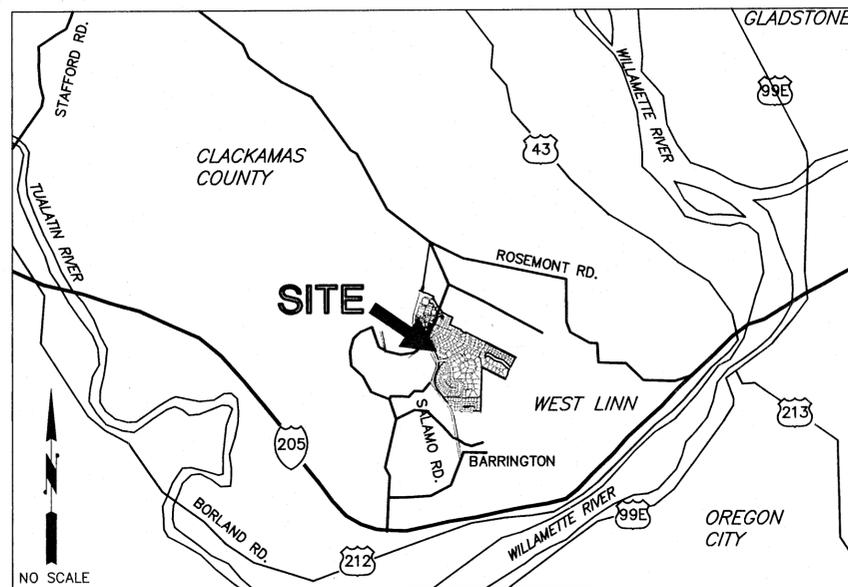
I hereby declare to have no interest in the outcome of this decision due to some past or present involvement with the applicant, the subject property, or surrounding properties, and therefore, can render an impartial decision. The provisions of Community Development Code Chapter 99 have been met.

1-15-98
DATE

Dan Drentlaw
DAN DRENTLAW, PLANNING DIRECTOR

Appeals of this decision must be filed with the West Linn Planning Department within 14 days of the date of mailing. Appeal cost is \$250 and must include specific grounds or basis for appeal.

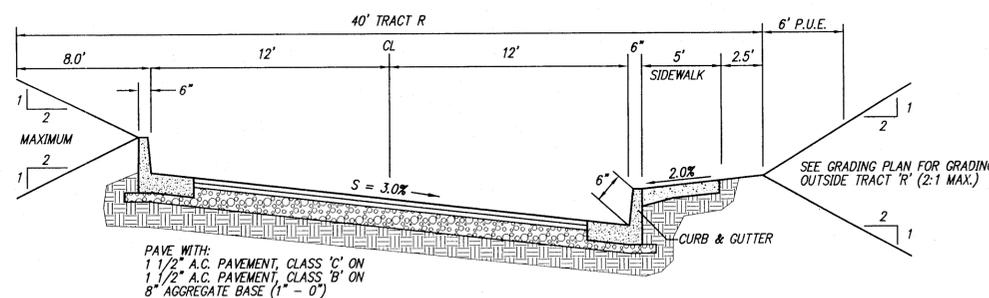
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VICINITY MAP

BENCH MARK

BENCH MARK: CITY OF WEST LINN BENCH MARK "B" IS 93.5' EAST AND 17.0' SOUTH OF EDGE OF PAVEMENT FROM 5-WAY INTERSECTION OF ROSEMONT/SANTA ANA. 3" CAP ON PIPE WITH YELLOW WATER WORKS LID. ELEV. = 667.22



CHAPARREL LOOP (PRIVATE STREET)

NOT TO SCALE STA. 10+60 TO STA. 13+30



1-98
 Date MFK, SAS
 Designed JH, SAS
 Drawn
 Checked By Date
 REVISIONS
 BY APPD.
 DATE
 NO.

CASCADE SUMMIT TOWNHOMES SOUTH
 West Linn, Oregon
 TITLE SHEET

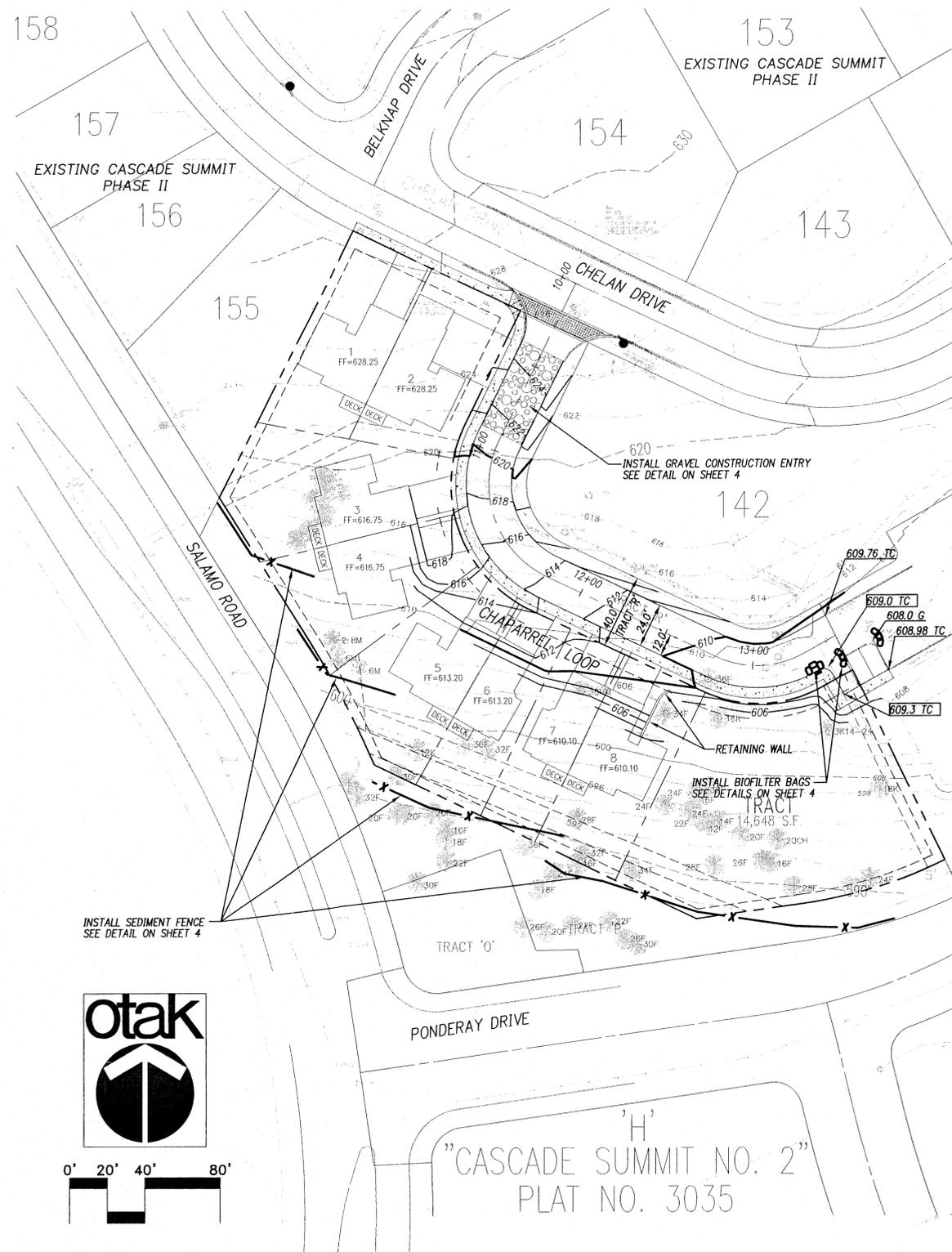
Submitted For Permit March 30, 1998

otak
Incorporated

17355 SW Boones Ferry Rd.
 Lake Oswego, Oregon 97035
 Phone: (503) 635-3818
 FAX: (503) 635-5395

L9042
 Project No. D042S001
 File No. 1 OF 4
 Sheet No. 1 OF 4
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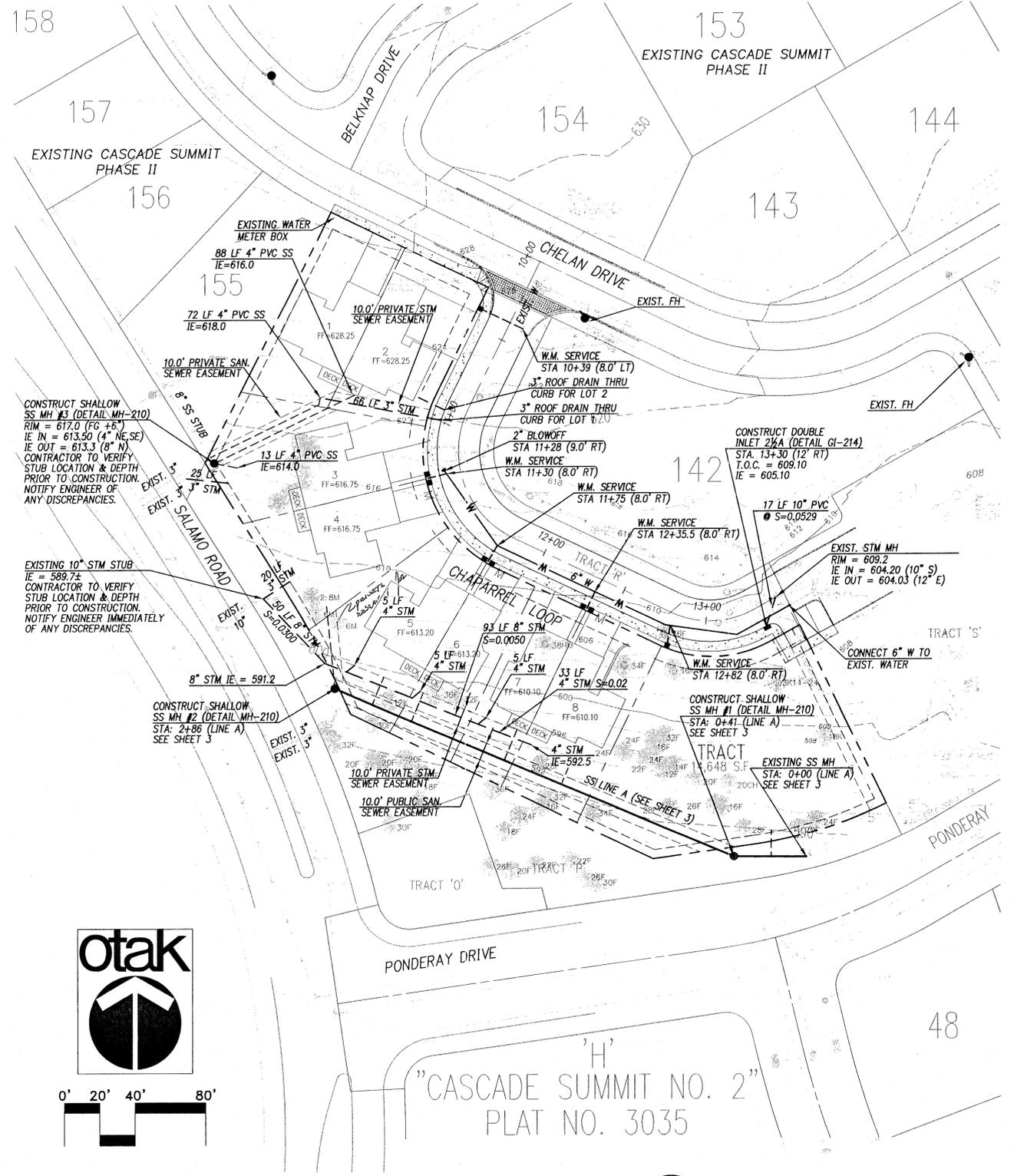
NEEDS BUILDING DEPT. COORDINATING + PERMITS PERMITS



GRADING/EROSION CONTROL PLAN

SCALE: 1" = 40'

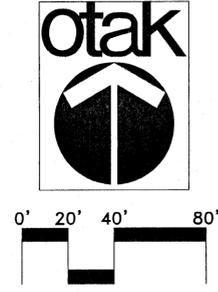
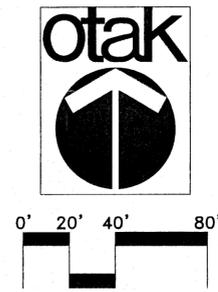
1
2



COMPOSITE UTILITY PLAN

SCALE: 1" = 40'

2
2



1-98
Date
MFK,SAS
Designed
JH,SAS
Drawn
1-98
Checked By
Date
REVISIONS
BY
APPD.
DATE
NO.



CASCADE SUMMIT TOWNHOMES SOUTH

KOSS, BROD, GOODRICH & ASSOC.
19363 Willamette Drive, #509
West Linn, Oregon 97068
(503) 635-7944

GRADING/EROSION CONTROL &
COMPOSITE UTILITY PLAN



17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3618
FAX: (503) 635-5395

L9042

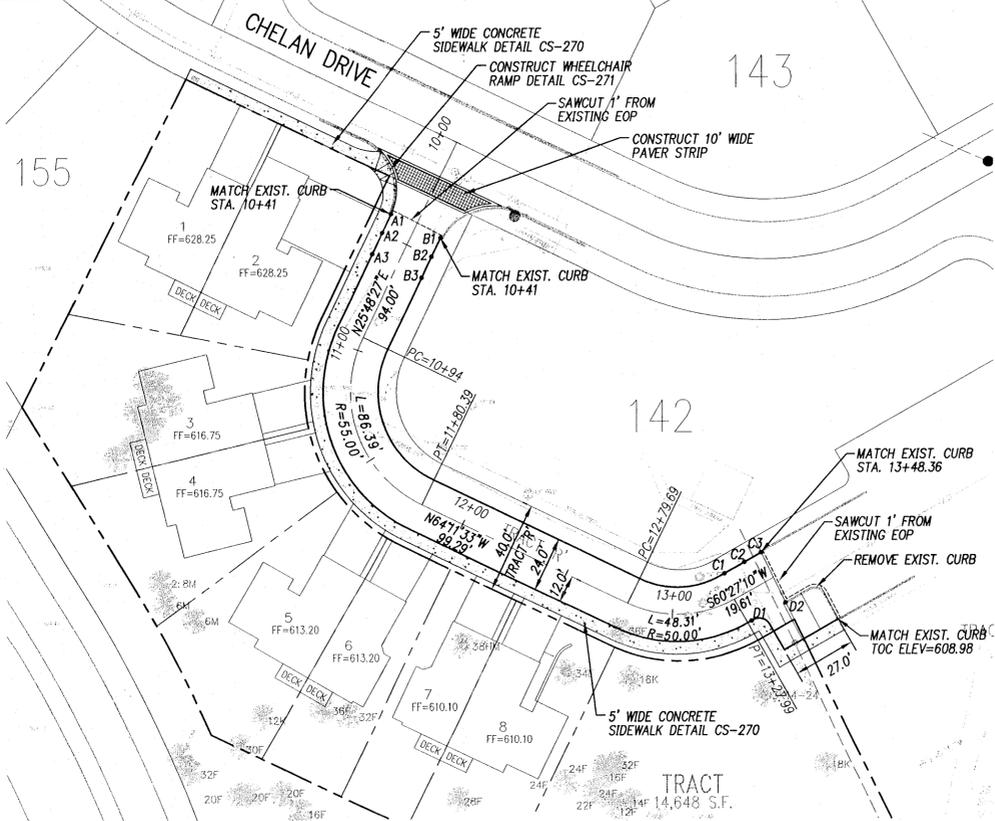
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File No.

2 OF 4

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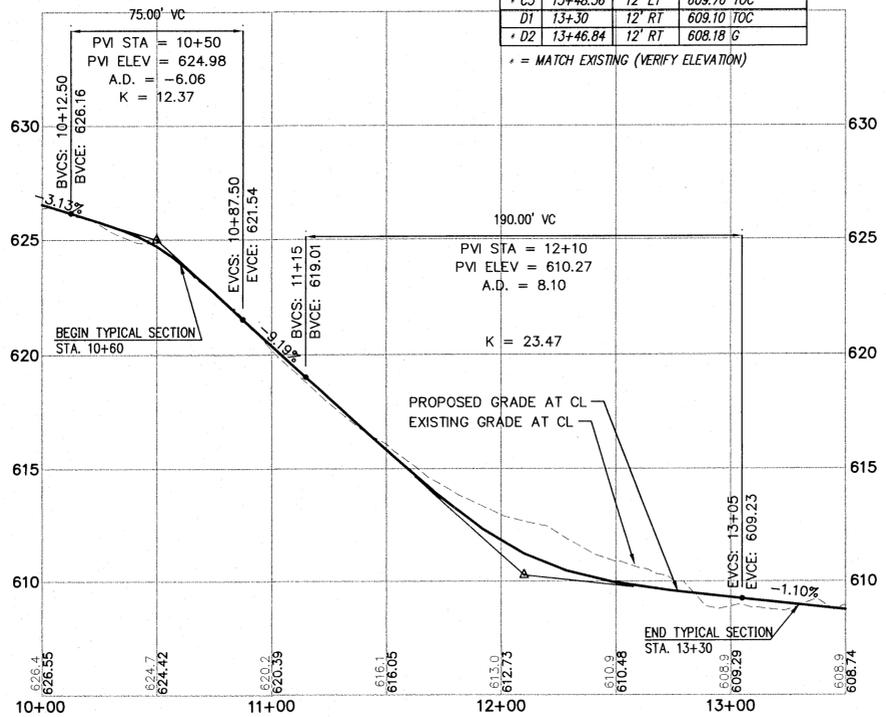
CHAPARREL STREET PLAN

SCALE: 1" = 40'

1
3

POINT	STATION	OFFSET	TOC=TOP OF CURB G=TOP OF AC PAVING
A1	10+41	12' RT	625.02 TOC
A2	10+50	12' RT	624.46 TOC
A3	10+60	12' RT	623.90 TOC
B1	10+41	12' LT	624.90 TOC
B2	10+50	12' LT	624.76 TOC
B3	10+60	12' LT	624.62 TOC
C1	13+30	12' LT	609.82 TOC
C2	13+40	12' LT	609.79 TOC
C3	13+48.36	12' LT	609.76 TOC
D1	13+30	12' RT	609.10 TOC
D2	13+48.84	12' RT	608.18 G

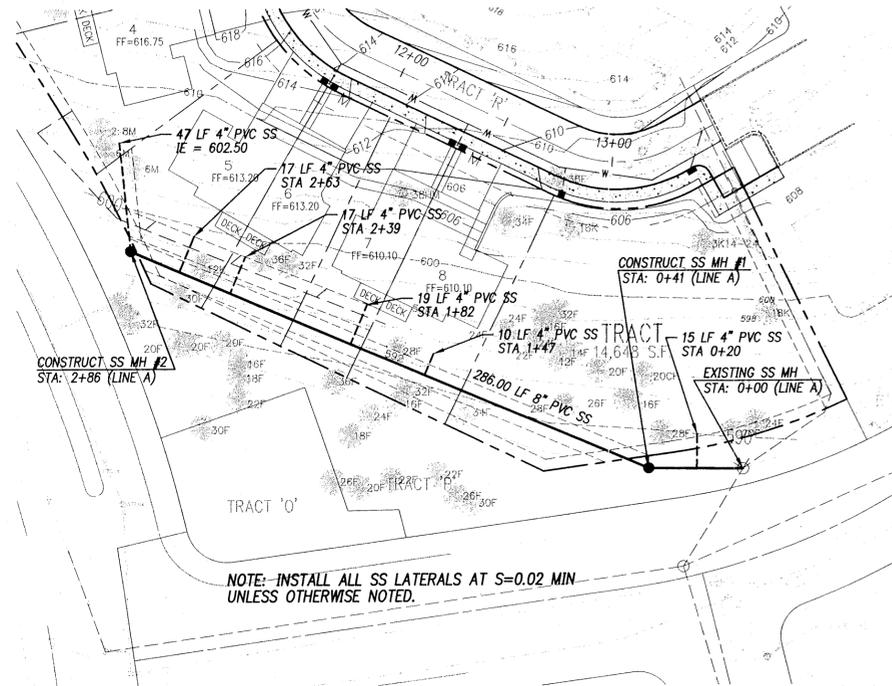
* = MATCH EXISTING (VERIFY ELEVATION)



CHAPARREL STREET PROFILE

SCALE: 1" = 40'

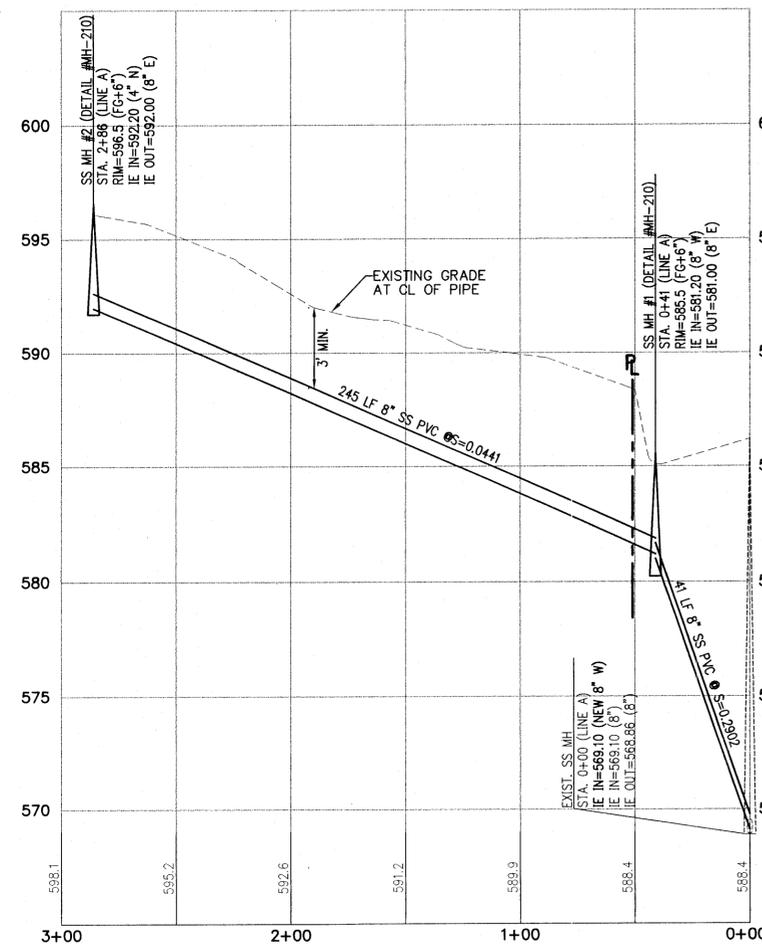
2
3



SANITARY SEWER PLAN (LINE A)

SCALE: 1" = 40'

3
3

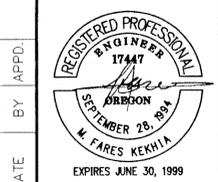


PUBLIC SANITARY SEWER PROFILE (LINE A)

SCALE: 1" = 40'

4
3

Date	1-98
Designed	MFK,SAS
Drawn	JH,SAS
Checked By	1-98
Date	



CASCADE SUMMIT TOWNHOMES SOUTH
West Linn, Oregon

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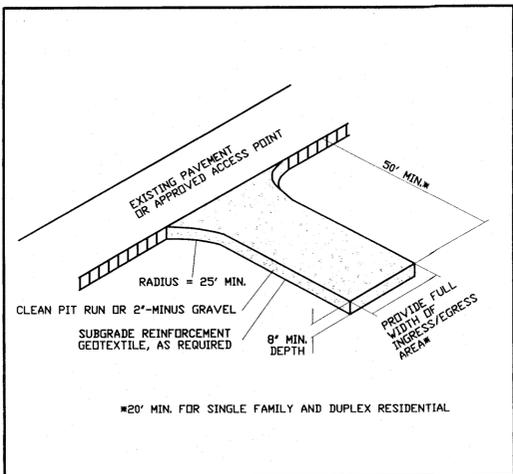
CASCADE SUMMIT TOWNHOMES SOUTH
West Linn, Oregon

STREET & SANITARY SEWER PLAN/PROFILE

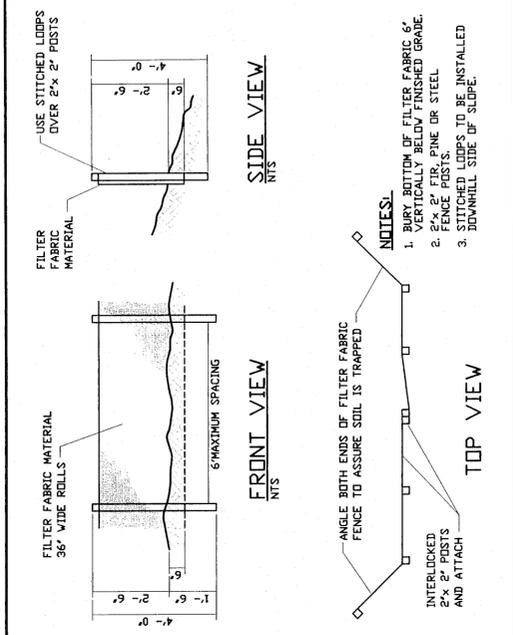
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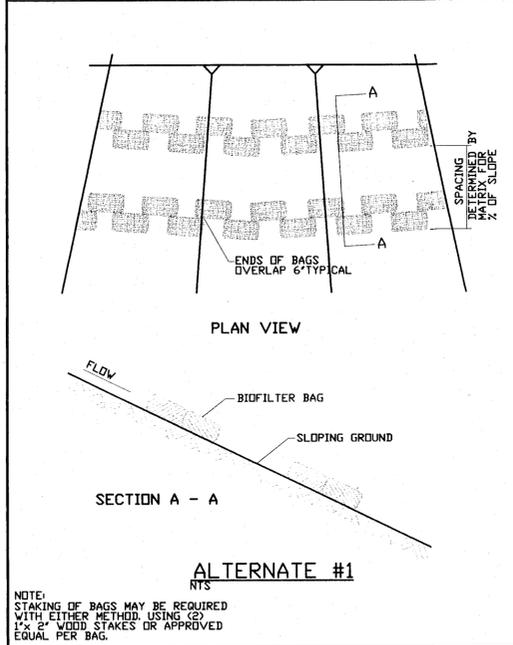
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Gravel Construction Entrance
Detail Drawing 3-1A



Sediment Fence
Detail Drawing 3-2



Biofilter Bag Overland Flow
Detail Drawing 3-3B

EROSION CONTROL GENERAL NOTES

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, DETENTION FACILITIES, UTILITIES, ETC.).

THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.

THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

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 OR VIOLATE APPLICABLE WATER STANDARDS.

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 AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.

THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.

AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED 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.

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

**EROSION CONTROL AND POLLUTION CONTROL MEASURE
EROSION CONTROL MEASURES FOR DISTURBED AREAS:**

ALL DISTURBED SLOPES GREATER THAN 3:1 HAVE BEEN GRADED AND COMPACTED PRIOR TO OCTOBER 1ST SHALL BE HYDROSEEDING USING THE FOLLOWING SPECIFICATIONS:

SEEDING SHALL NOT BE DONE DURING WINDY WEATHER OR WHEN THE GROUND IS FROZEN, EXCESSIVELY WET OR OTHERWISE UNTILLABLE.

SEED MAY BE APPLIED BY THE FOLLOWING METHOD:

HYDROSEEDING WHICH UTILIZES WATER AS THE CARRYING AGENT, AND MAINTAINS CONTINUOUS AGITATION THROUGH PADDLE BLADES. IT SHALL HAVE AN OPERATING CAPACITY SUFFICIENT TO AGITATE, SUSPEND AND MIX INTO A HOMOGENEOUS SLURRY OF THE SPECIFIED AMOUNT OF SEED AND WATER OR OTHER MATERIAL. DISTRIBUTION AND DISCHARGE LINES SHALL BE LARGE ENOUGH TO PREVENT STOPPAGE AND SHALL BE EQUIPPED WITH A SET OF HYDRAULIC DISCHARGE SPRAY NOZZLES WHICH WILL PROVIDE A UNIFORM DISTRIBUTION OF THE SLURRY.

GRASS SHALL BE SEED AT THE RATE OF NOT LESS THAN ONE HUNDRED THIRTY (130) POUNDS PER ACRE. SEED MIX SHALL INCLUDE:

STATE HIGHWAY ROADSIDE SEEDING MIX.

FERTILIZER SHALL BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE.

- NITROGEN - 22%
- PHOSPHORIC ACID - 16%
- SOLUBLE POTASH - 8%

WOOD CELLULOSE FIBER SHALL BE APPLIED AT THE RATE OF ONE AND ONE (1-1/2) TONS PER ACRE.

THE EXACT TIME FOR SEEDING WILL BE DETERMINED BY ACTUAL WEATHER CONDITIONS. THE NORMAL SATISFACTORY PERIOD FOR SEEDING SHALL BE CONSIDERED BETWEEN MARCH 1 TO JUNE 1 AND SEPTEMBER 1 TO OCTOBER 1 UNLESS OTHERWISE AUTHORIZED BY THE OWNER EXCEPT THAT CONTRACTOR MAY PERFORM SEEDING OPERATIONS FROM JUNE 1 TO SEPTEMBER 1 PROVIDED THAT HE WATERS THE NEW GRASS TO THE SATISFACTION OF THE OWNER.

WHEN DELAYS IN OPERATIONS CARRY THE WORK BEYOND THE MOST FAVORABLE PLANTING SEASON, OR WHEN WEATHER CONDITIONS ARE SUCH THAT SATISFACTORY RESULTS ARE NOT LIKELY TO BE OBTAINED FOR ANY STAGE OF THE SEEDING OPERATIONS, THE CONTRACTOR WILL STOP THE WORK AND IT SHALL BE RESUMED ONLY WHEN THE DESIRED RESULTS ARE LIKELY TO BE OBTAINED. IF OPERATIONS EXTEND PAST OCTOBER 1 ALTERNATE HAY PLACEMENT AND SPRING SEEDING SHALL BE SUBSTITUTED.

THE CONTRACTOR SHALL PROTECT ALL SEEDING AREAS FROM EROSION UNTIL FINAL INSPECTION AND ACCEPTANCE HAS BEEN MADE. AREAS DAMAGED BY EROSION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

ALL DISTURBED AREAS WITH SLOPES LESS THAN 3:1 THAT HAVE BEEN GRADED AND COMPACTED SHALL BE SEEDING PRIOR TO OCTOBER 1, WITH THE SAME SEED AND FERTILIZER MIX AS USED IN HYDROSEEDING AND SPREAD EVENLY OVER THE SITE.

ALL DISTURBED AREAS NOT GRADED AND COMPACTED PRIOR TO OCTOBER 1, SHALL BE SEEDING WITH 200 LBS PER ACRE OF HIGHWAY MIX AND SPREAD WITH A HAY MULCH LAYER 1 1/2" TO 2" THICK.

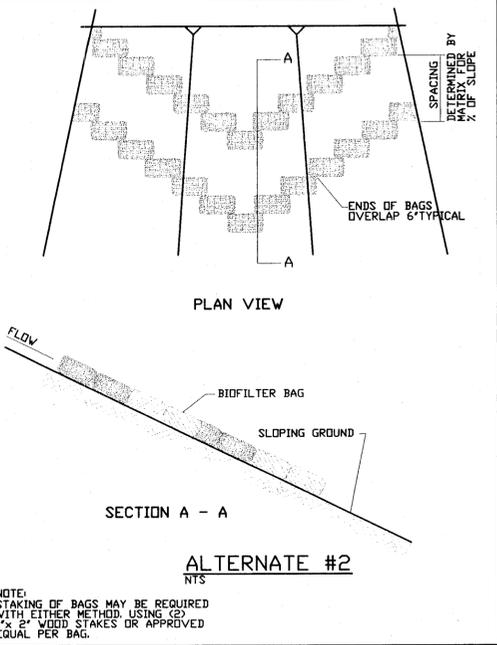
EROSION CONTROL PROTECTION SHALL BE CONSIDERED COMPLETE AND SUCCESSFUL WHEN A GRASS MAT HAS BEEN ESTABLISHED.

ADDITIONAL TEMPORARY EROSION CONTROL (DURING CONSTRUCTION)

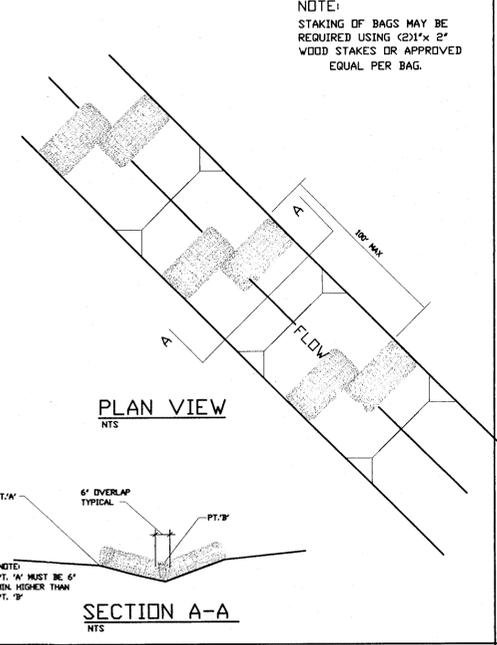
HAY BALES WILL BE PLACED AT THE TOP OF ALL MAJOR FILL SLOPES WHEN NECESSARY, TO PREVENT SILT FROM WASHING INTO EXISTING DRAINAGE WAYS. (SILTATION BARRIER).

TEMPORARY DITCHES WILL BE CONSTRUCTED AS NECESSARY TO ASSURE DRAINAGE IS CHANNLED TO THE FACILITIES BEING PROVIDED.

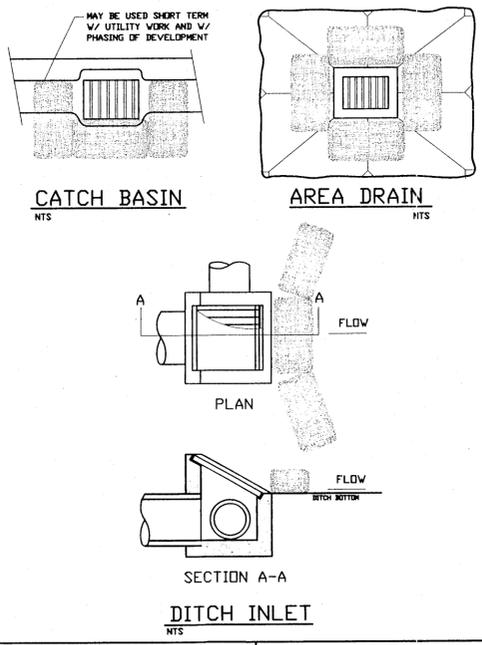
IF CONSTRUCTION TAKES PLACE DURING RAINY SEASON, HAY BALES AND "MIRAFI" 140 S FABRIC WILL BE REQUIRED AT ALL STORM DRAINAGE INLETS UNTIL ROCKING OF STRETCH IS COMPLETED AND DISTURBED SLOPES STABILIZED BY HYDROSEEDING.



Biofilter Bag Overland Flow
Detail Drawing 3-3C



Biofilter Bag Ditches and Swales
Detail Drawing 3-3D



Catch Basin
Area Drain
Detail Drawing 3-7D

EROSION CONTROL MATRIX

EROSION MEASURES	EROSION MEASURES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
GRAVEL CONSTRUCTION ENTRANCE														
SEDIMENT FENCE/BARRIER AT TOE OF DISTURBED AREA OR STOCKPILE														
SIDEWALK SUBGRADE GRAVEL BARRIER (SITE SLOPES TO STREET AT <5% GRADE) ALTERNATE TO #2														
UNDISTURBED BUFFER AT TOE OF DISTURBED AREAS (ALTERNATE TO #2) (SITE SLOPES <10%)														
SEDIMENT FENCE OR BARRIER INSTALLED ON CONTOURS (SPACING)														
TEMP. INTERCEPTOR DICES/SWALES AROUND ACTIVE WORK AREAS														
CHECK DAMS														
STORM DRAIN INLET PROTECTION BARRIER														
6-MIL PLASTIC SHEET COVER														
2"- MIN. STRAW MULCH COVER														
ESTABLISH GRASS														
EROSION BLANKETS WITH ANCHORS														
SEDIMENT TRAP OR POND														
RE-ESTABLISH VEGETATION OR REINSCAPE PRIOR TO RESUMPTION OF EROSION CONTROL MEASURES														
SINGLE FAMILY/DUPLEX RESIDENTIAL														
SLOPE <2%	X	X												
SLOPE <5%	X	X												
STOCK PILES														
COMMERCIAL, SUBDIVISION														
SITE SLOPE <2%	X	X												
SITE SLOPE <10%	X	X												
SITE SLOPE <15%	X	X												
SITE SLOPE <20%	X	X												
SITE SLOPE <30%	X	X												
SITE SLOPE <50%	X	X												
STOCK PILE SLOPE >50%	X	X												
UTILITIES CONSTRUCTION														
CATCH BASIN DRAINAGE														
DITCH DRAINAGE														
STOCK PILES														
STOCK PILES														
DITCHES/SWALES (CONSTRUCTION/PROTECTION)	X													

KEY: X = BASE MEASURE A = ALTERNATE TO BASE MEASURE # = OPTIONAL BASE MEASURE INDICATED IN PARENTHESIS CAN USE AS APPLICABLE
 * = SUPPLEMENTAL WET WEATHER MEASURE (NOVEMBER 1-APRIL 30) O = ALTERNATE WET WEATHER MEASURE TO *

1-98
Date MFK
Designed JH
Drawn 1-98
Checked By Date

REGISTERED PROFESSIONAL ENGINEER 17447
SEPTEMBER 28, 1984
M. FARES KEKHA
EXPIRES JUNE 30, 1999

Submitted For Permit March 30, 1998

CASCADE SUMMIT TOWNHOMES SOUTH
West Linn, Oregon

KOSS, BROD, GOODRICH & ASSOC.
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EROSION CONTROL NOTES & DETAILS

otak
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