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Woodmen Res.
CITY OF COLORADO SPRINGS
DEPARTMENT OF UTILITIES

INTEROFFICE MEMORANDUM

RECEIVED
GMS, INC.

DATE: April 3, 1992

TO: Quinn Peitz, Manager, Land Development

FROM: Edward Bailey, Director, Water Department

UBJECT: WOODMEN VALLEY RESERVOIR

APR 10 1992

In consideration of approval of a grading permit in a proposed hillside zone for the Woodmen Valley Reservoir site, we hereby agree to make required improvements as provided in the subdivision regulations. Said improvements will be made when we construct the treated water storage reservoir. At this time we will only grade the site and install the yard piping.

Should you have any questions in this matter, please call Balu Bhayani at 636-5640.

Thank you.

dr

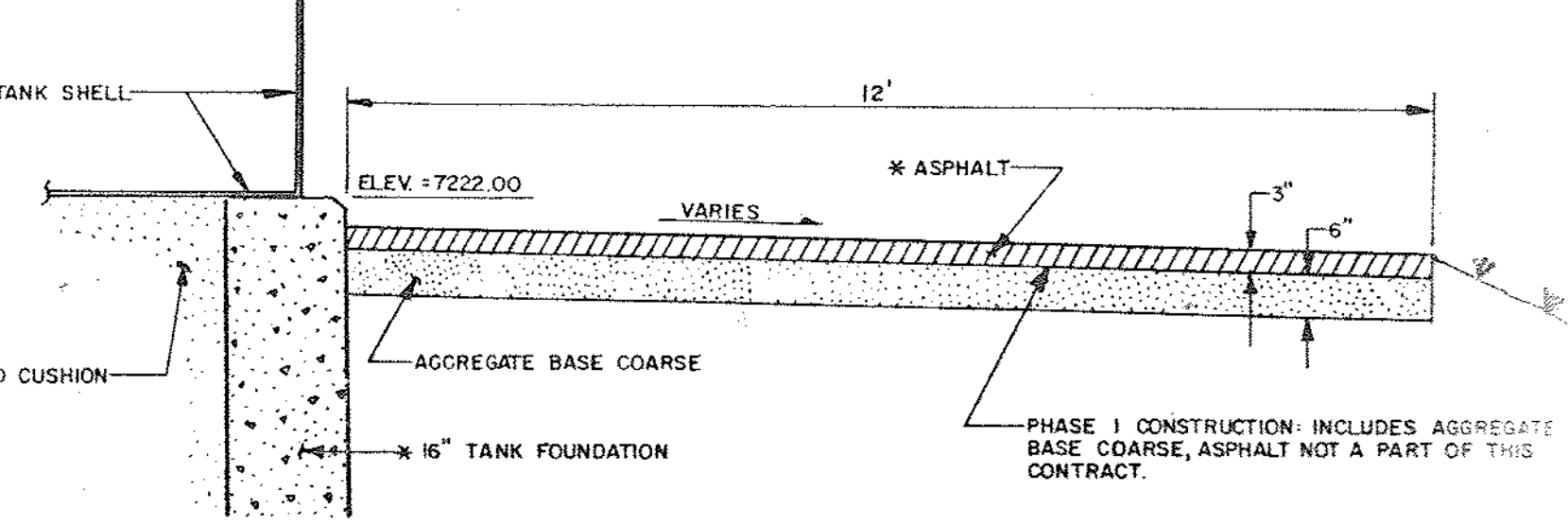
LEGEND

- 21.34 SPOT ELEVATION FOR FINISHED SURFACE
- JR ENGINEERING, LTD. PIN AND CAP
- ⊙ EXISTING BRASS CAP
- - - - - EXISTING 2' CONTOURS
- — — — — PROPOSED 2' CONTOURS
- - - - - EXISTING FENCE LINE
- - - - - PROPOSED 6' HIGH CHAIN LINK FENCE W/ BARBED WIRE
- ⊛ EXISTING PINE TREE
- ⊙ EXISTING GAMBELS OAK / SHRUB VEGETATION
- — — — — EXISTING 24" STEEL WATER LINE
- — — — — ROCK RETAINING WALL
- DIRECTION OF FLOW ARROW
- — — — — DENOTES CHECK DAM / STRAW BALES
- - - - - DENOTES STRIPPING LIMITS
- ⊙ DENOTES STORM WATER SEDIMENT BASINS
- ⊙ EXISTING GAMBELS OAK / SHRUB VEGETATION DO NOT DISTURB

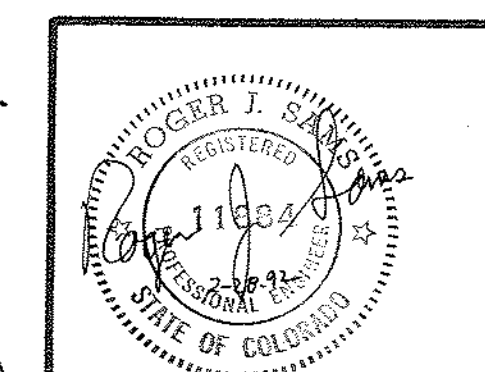
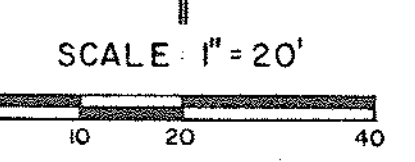
PLANTING SCHEDULE

SYMBOL	ABBR.	COMMON NAME BOTANICAL NAME	QUANTITY	SIZE / MPE
⊛	PP	PONDEROSA PINE PINUS PONDEROSA	9	6' B/B
⊙	PE	PINION PINE PINUS EDULIS	20	5' B/B
⊙	CA	CARAGANA	50	1 GAL.
⊙	CO	COTONEASTER	100	1 GAL.
⊙	QG	GAMBELS OAK QUERCUS GAMBELI	6	TRANSPLANTED

1. SOIL:
 - a. Type: Jarre-Telecote Complex (SCS Classification)
 - b. Characteristics: Beneath topsoil = slightly silty to silty sand and gravel and for the most part well drained.
 - c. Allowable Soil Bearing Pressure: 3500 psf
2. GROUND WATER: None encountered in 32.5 test holes
3. SLOPES:
 - a. Maximum allowable slopes per Geotechnical Engineer = 2:1
 - b. Maximum Proposed slopes on site = 3:1
4. Large rock and cobble excavated on site are to be used in the on-site rockery and slope stabilization
5. All above ground shrub material that can be cleared from the site prior to grubbing, stripping and grading shall be chipped and stockpiled for use as mulch upon project completion.
6. All topsoil shall be stripped and stockpiled and placed over the graded areas prior to fertilizing, seeding and mulching. Additional topsoil strippings will be imported for on-site use.
7. All temporary check dam/straw bales to be checked weekly for the duration of construction. Temporary post construction erosion control to be checked monthly until on-site permanent erosion control is established.
8. Geotextile fabric erosion and sediment control fences may be used in lieu of straw bales. Set vertical supports at 6' O.C. maximum.
9. Phase I scope of work includes all work except tank foundation, welded steel tank erection, hot bituminous pavement and inlet & outlet piping near tank foundation.



SECTION 4
SCALE: 1" = 2'

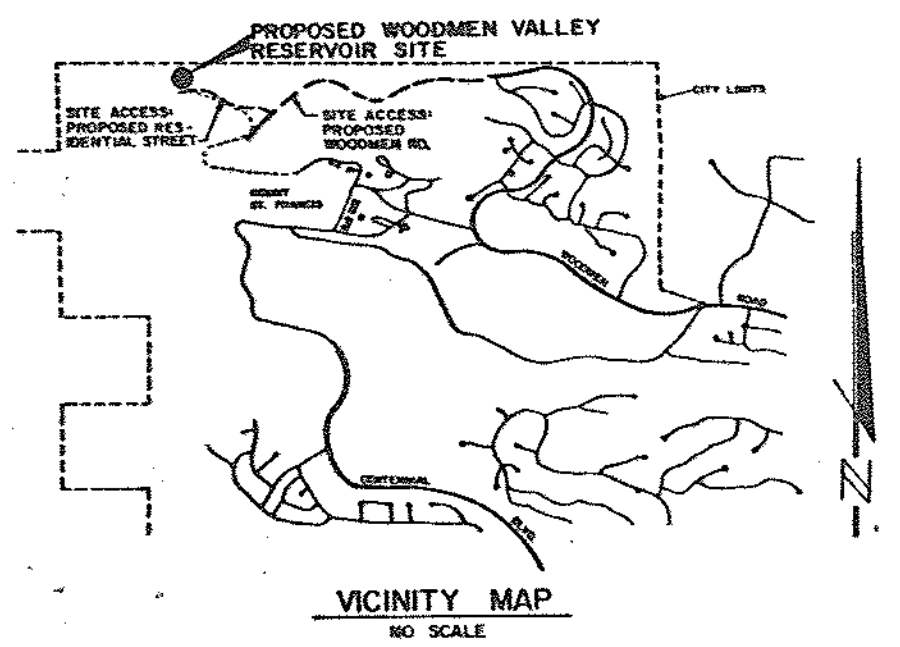
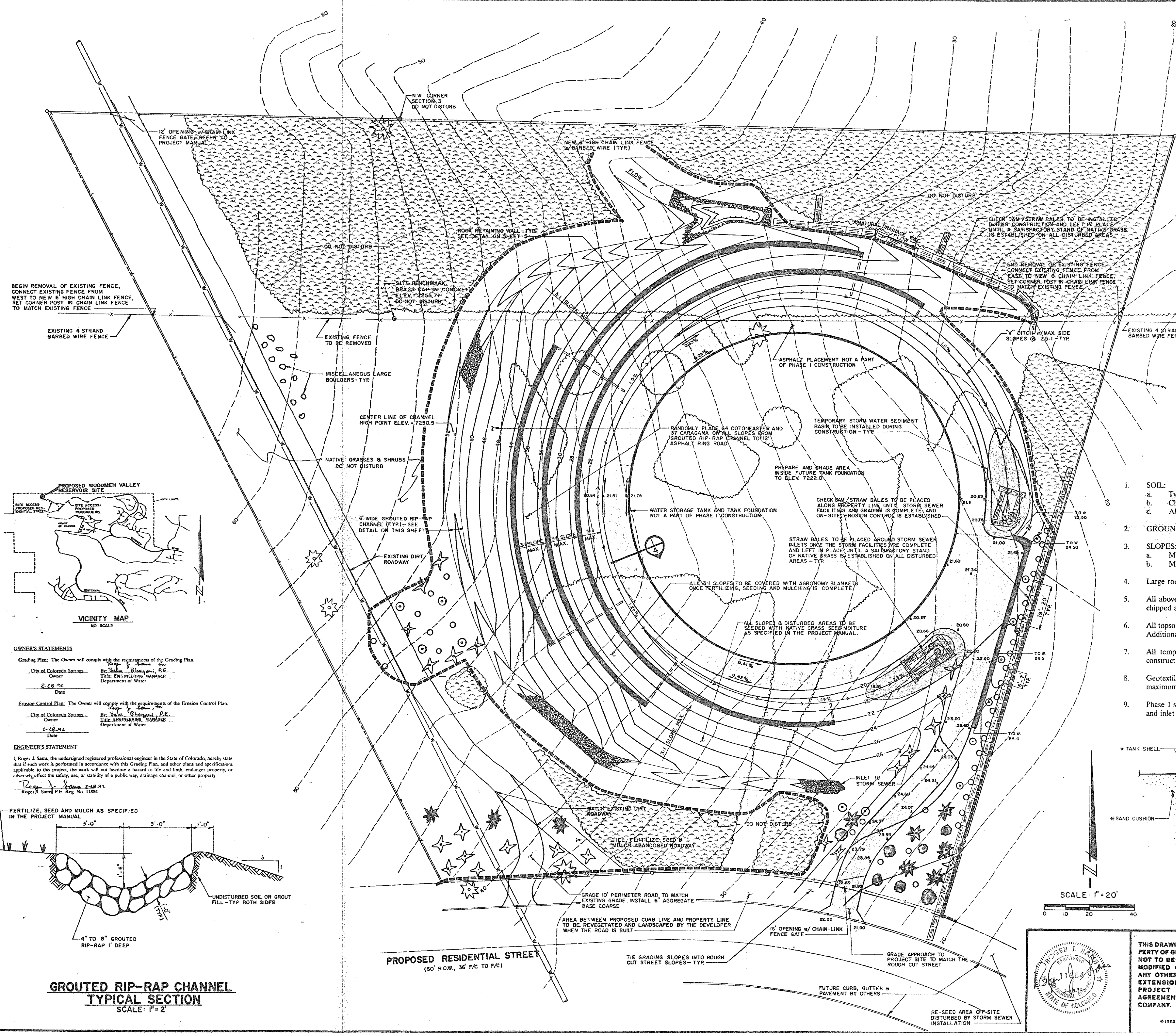


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EROSION CONTROL / SLOPE STABILIZATION / REVEGETATION PLAN
WOODMEN VALLEY RESERVOIR
CITY OF COLORADO SPRINGS

DRAWN	BAC	GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903
DESIGNED	DRF	
CHECKED	RJS	
DATE	FEB. 1992	
PROJECT NO.	89065.100	

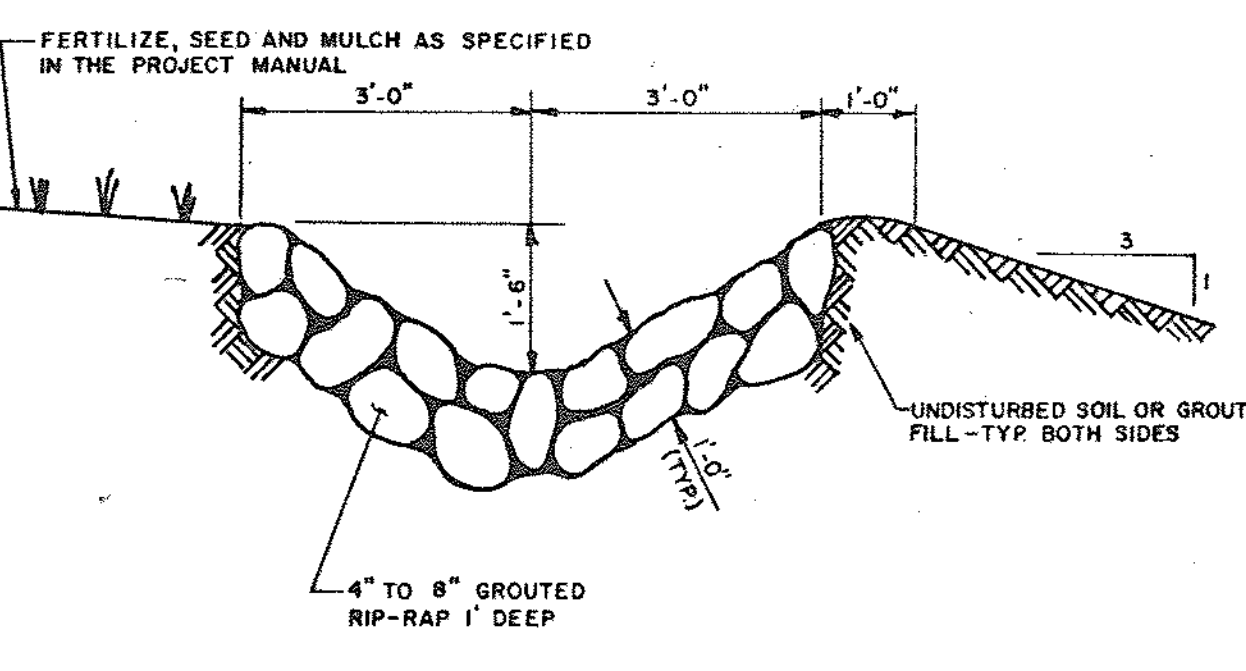
SHEET 4 OF 5



OWNER'S STATEMENTS
 Grading Plan: The Owner will comply with the requirements of the Grading Plan.
 City of Colorado Springs, Owner
 By: *[Signature]*, P.E., Title: ENGINEERING MANAGER, Department of Water
 Date: 2-28-92

Erosion Control Plan: The Owner will comply with the requirements of the Erosion Control Plan.
 City of Colorado Springs, Owner
 By: *[Signature]*, P.E., Title: ENGINEERING MANAGER, Department of Water
 Date: 2-28-92

ENGINEER'S STATEMENT
 I, Roger J. Sams, the undersigned registered professional engineer in the State of Colorado, hereby state that if such work is performed in accordance with this Grading Plan, and other plans and specifications applicable to this project, the work will not become a hazard to life and limb, endanger property, or adversely affect the safety, use, or stability of a public way, drainage channel, or other property.
 Roger J. Sams, P.E. No. 11884, Date: 2-28-92



GRouted RIP-RAP CHANNEL TYPICAL SECTION
SCALE: 1" = 2'

DATE