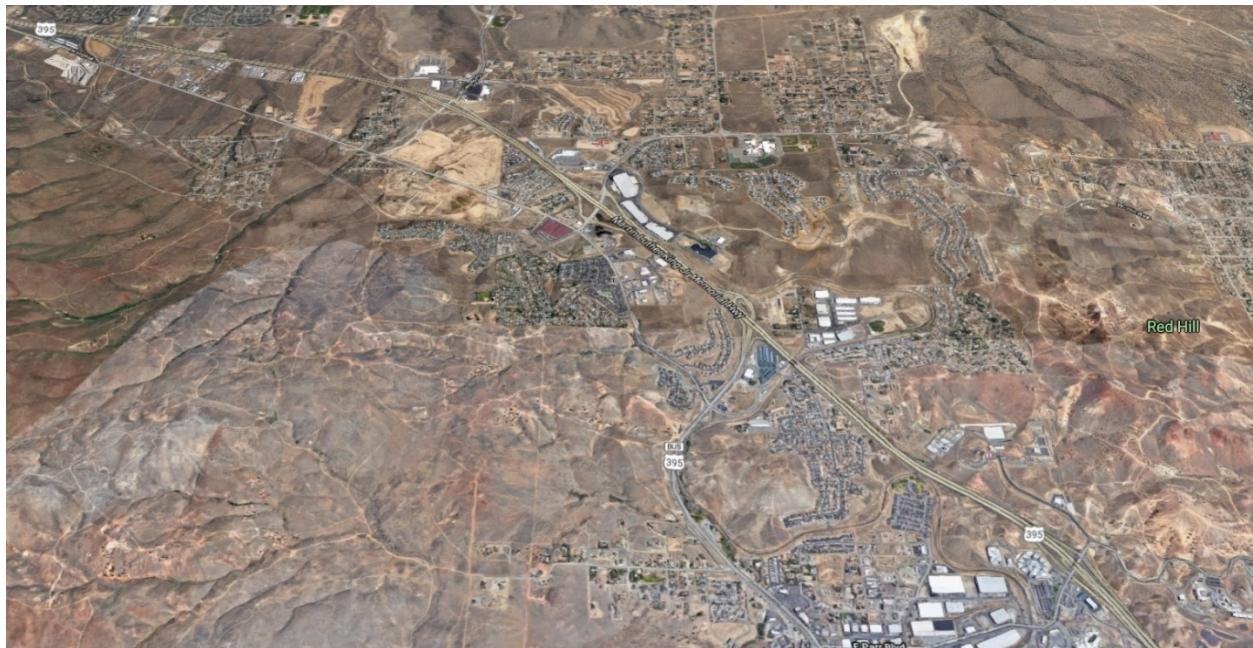


LINE SAMPLING DATA

US 395 "XN" 250+00 to "XN" 900+00

WASHOE COUNTY, NEVADA

MAY 1984



(NEW)
XN 253+40 - 302+50

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: 395 North Banco

PERT No:

Date: 1-31-84

Station: XN ~ 250+00 NBCL

Samplers: KEPK, Zola, Hale, Banavett

Location from CL:

Sample No. 1

County: WASHBURN

Sample Type:

RV Sub Chem DC Other

Description of Terrain: Rolling

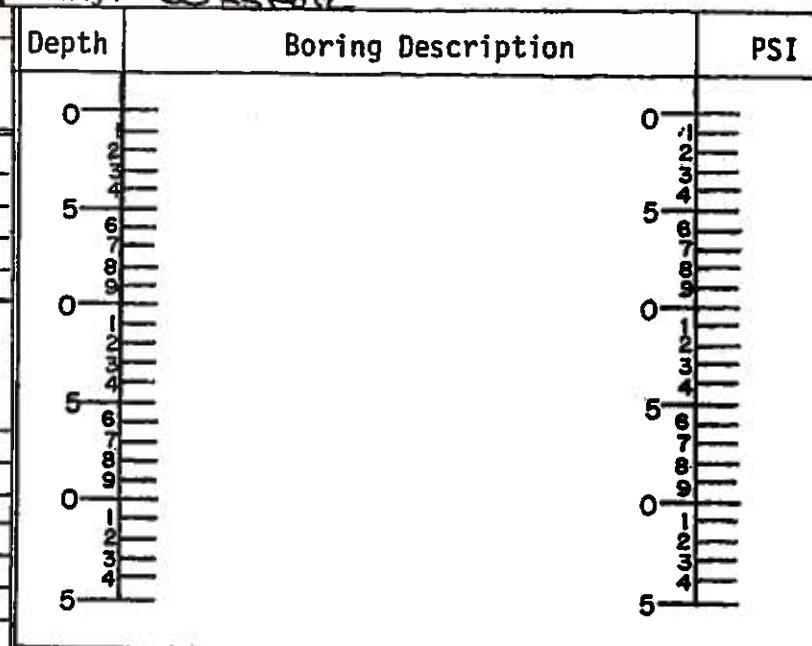
Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

~~Fence post~~

CONCRETE POST NO SAMPLE



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	
3/8"	
No. 4	
No. 10	
No. 16	
No. 40	
No. 50	
No. 100	
No. 200	

Date Reported _____

Liquid Limit _____
Plasticity Index _____
Specific Gravity _____
Resistance Value _____
Cover Stabilometer Expansion Pressure
Thickness _____ % No. 4- _____ % No. 4+ _____
HMCT % No. 4- _____ Max.Dens. _____ Sp.Gr. _____
Opt.Moist. _____
Calculated Max. Density _____
Sand Equivalent _____
Natural Moisture % _____
Soluble Radical Parts Per Million
Salt: CO₃ & HCO₃ _____
Chloride _____
Sulphate _____
pH Factor _____
HRB Classification _____

Remarks: _____

b No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

Job Description: 395 NORTH BOUND

RT No:

Date: 1-31-84

Station: 255+00 NB CL

Impilers: Klein, Zola, Hahn, Banchich

Location from CL:

County: Washington

Sample No. 2

Sample Type:

RV Sub Chem DC Other

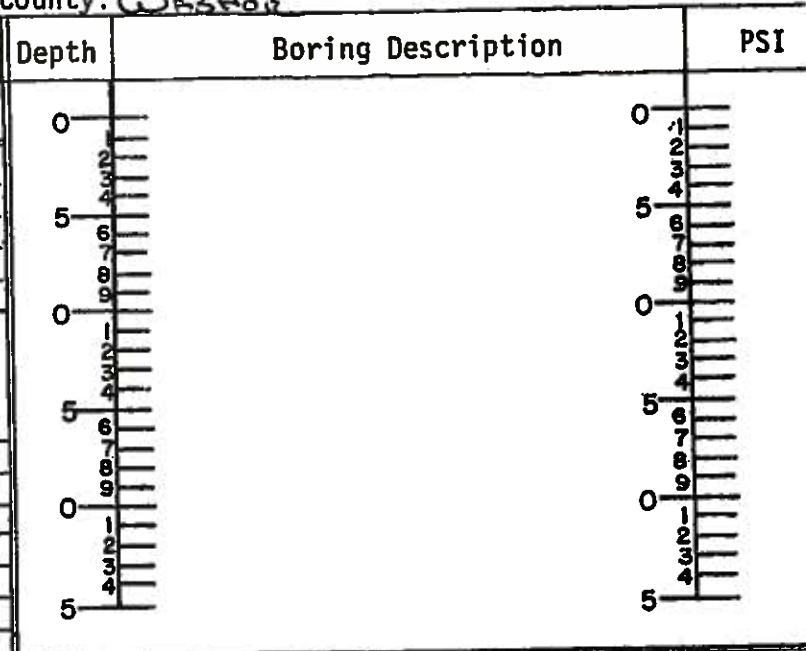
Description of Terrain: Rollin

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU SITE

CONCRETE NO SAMPLE



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	
3/8"	
No. 4	
No. 10	
No. 16	
No. 40	
No. 50	
No. 100	
No. 200	

Liquid Limit _____
 Plasticity Index _____
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____ % No. 4- _____ % No. 4+ _____
 HMCT % No. 4- _____ Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical _____ Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification _____

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

Job No: 71099

Job Description: 305 North Branch

ERT No:

Station: 260+00 NB CL

Date: 1-31-84
Samplers: Keweenaw, HAZ Barouch

Location from CL:

County: WASHOE

Sample No. 3

Sample Type:

RV Sub Chem DC Other

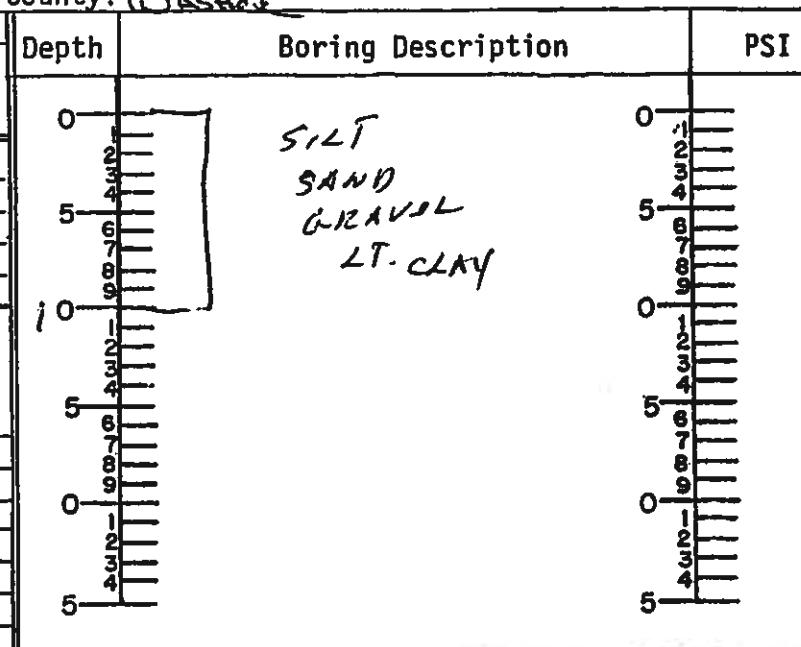
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: RET

TAKIN IN CUT THRU OIL



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	93
1/2"	
3/8"	
No. 4	67 33
No. 10	55
No. 16	
No. 40	37
No. 50	
No. 100	
No. 200	24 43

Liquid Limit	30
Plasticity Index	10
Specific Gravity	
Resistance Value	
Cover Thickness	
Stabilometer	
Expansion Pressure	
HMCT % No. 4-	% No. 4+
Max. Dens.	Sp. Gr.
Opt. Moist.	
Calculated Max. Density	
Sand Equivalent	
Natural Moisture %	
Soluble Radical	Parts Per Million
Salt: CO ₃ & HCO ₃	
Chloride	
Sulphate	
pH Factor	
HRB Classification	A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: 345 NORTH BOUND

PERT No:

Date: 1-31-84

Station: 265+00 NB CL

Samplers: Koenig, Zale, Hale, Brummett

Location from CL:

County: (e) Astoria

Sample No. 4

Sample Type:

RV Sub Chem DC Other

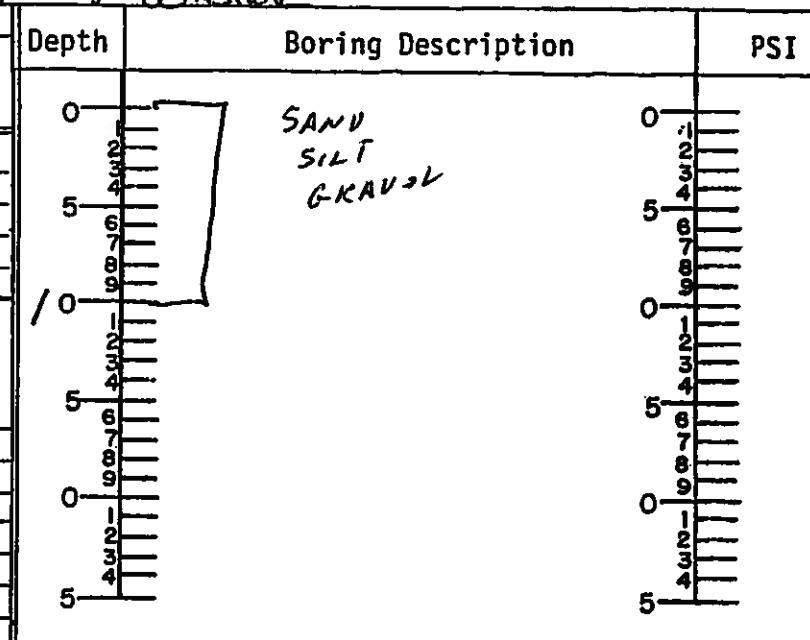
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

TAKIN IN FILL THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	88	
1/2"		
3/8"		
No. 4	63	37
No. 10	51	
No. 16		
No. 40	33	
No. 50		
No. 100		
No. 200	21	12

Date Reported _____

Liquid Limit 30
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

Job Description: 245 Acre Ground

ERT No:

Date: 1-31-84

Station: 270+00 MB CL

Samplers: Jerry Zola, Hale Bennett

Location from CL:

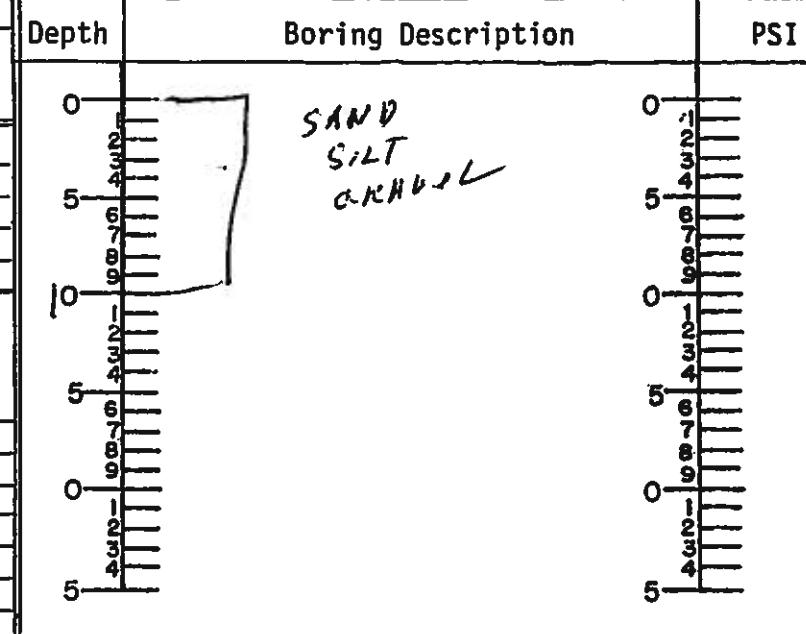
Sample No. 5

County: (e) Astoria

Sample Type:

RV Sub Chem DC Other

Description of Terrain: Rolling



Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

CUT THRU OIL

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	90
1/2"	
3/8"	
No. 4	66 34
No. 10	49
No. 16	
No. 40	27
No. 50	
No. 100	
No. 200	19 47

LABORATORY ANALYSES

Date Reported _____

Liquid Limit 25
 Plasticity Index 4
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-1-60

Remarks: _____

Lab No. RV 277-84
C 372-84

LINE SAMPLING DATA (FIELD)

E.A.No: 71099Job Description: 395 North Bruce

PERT No:

Date: 1-31-84Station: 275+00 NB CLSamplers: Wes, Zola, Hale, Beauchet

Location from CL:

County: WinnipegSample No. 6

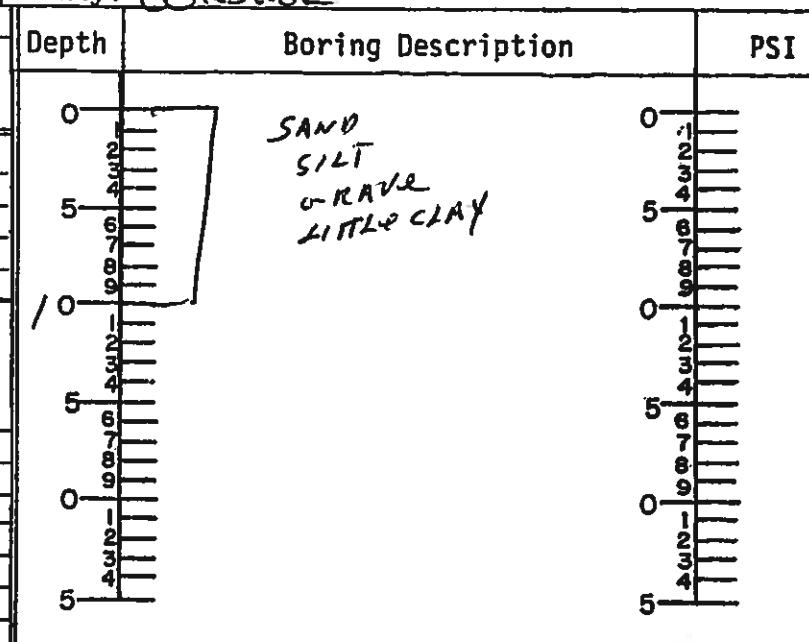
Sample Type:

 RV Sub Chem DC OtherDescription of Terrain: Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU OIL

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	99
1/2"	97
3/8"	94
No. 4	90 10
No. 10	81
No. 16	73
No. 40	54
No. 50	49
No. 100	39
No. 200	31 59

Liquid Limit	Date Reported
31	
Plasticity Index	9
Specific Gravity	
Resistance Value	43
Cover Thickness	Stabilometer Expansion Pressure
HMCT %	No. 4- 12 1/2
No. 4-	% No. 4+
Max.Dens.	Sp.Gr.
Opt.Moist.	
Calculated Max. Density	
Sand Equivalent	20
Natural Moisture %	
Soluble Radical	Parts Per Million
Salt: CO_3 & HCO_3	199 ppm
Chloride	
Sulphate	
pH Factor	8.2
HRB Classification	A-2-4(0)

Remarks:

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

Job Description: U.S. 395 N. RWD

ERT No:

Date: 1-31-84

Station: 280 + 00 NRCL

samplers: ZOLA, HALO, KERK, BANOVICK

Location from CL:

County: 4A

ample No. 7

ample Type:

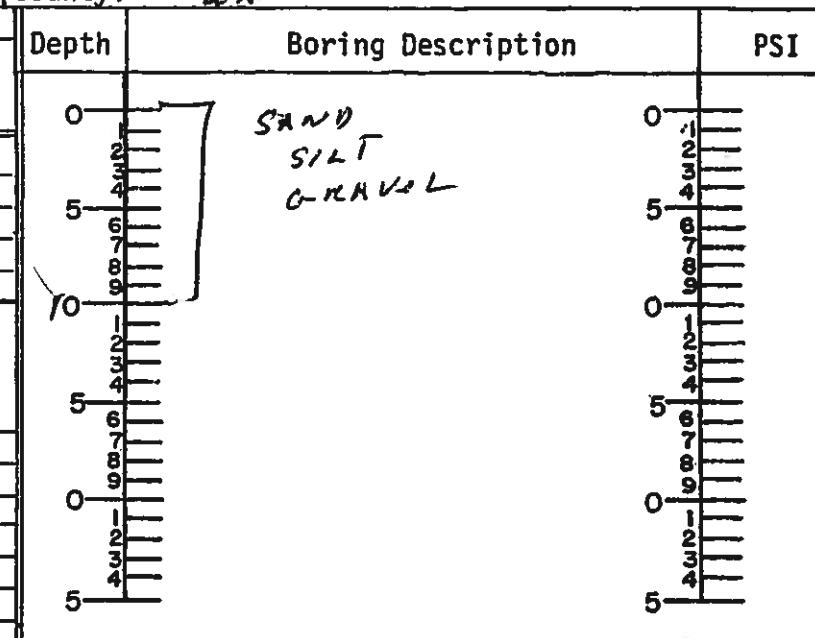
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	81	19
No. 10	67	
No. 16		
No. 40	39	
No. 50		
No. 100		
No. 200	24	57

Date Reported _____

Liquid Limit 27
 Plasticity Index 11
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 355N. RONO

PERT No:

Date: 1-31-84

Station: 285' 00' NBCL

Samplers: ZOLA HALE, KAREN BARONICK

Location from CL:

County: WA

Sample No. 8

Sample Type:

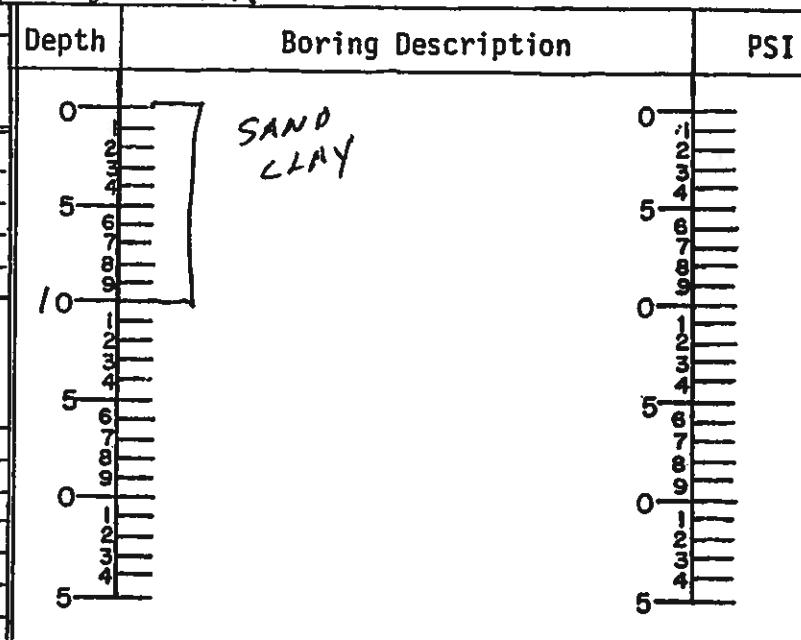
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	92
No. 10	81
No. 16	
No. 40	52
No. 50	
No. 100	
No. 200	30 62

Date Reported _____

Liquid Limit 28
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(O)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 21094

Job Description: U.S. 395 N.

PERT No:

Date: 1-31-84

Station: 296+00 NB CL

Samplers: Zolt, Hale, Renn, Banovich

Location from CL:

County:

Sample No. 9

Sample Type:

RV Sub Chem DC Other

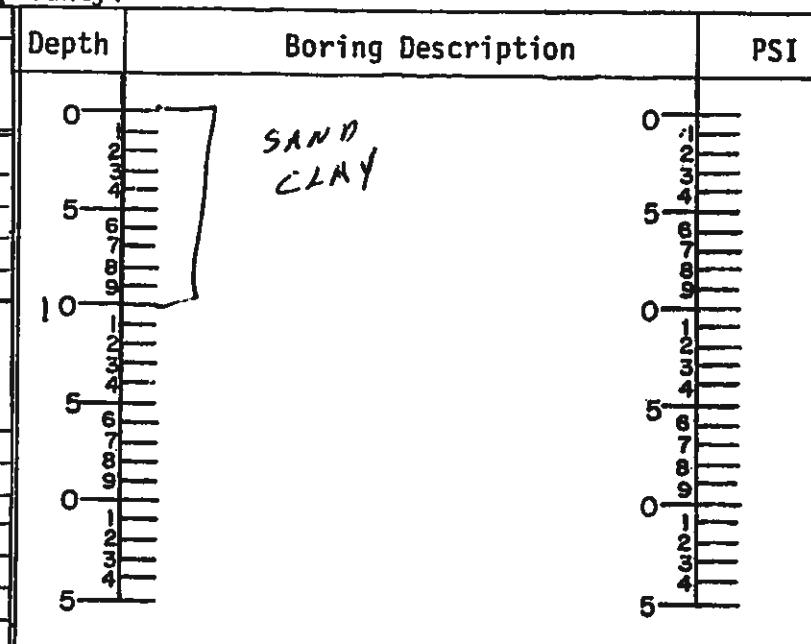
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs
Grassy

Remarks:

IN FILL THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	96 4
No. 10	85
No. 16	
No. 40	55
No. 50	
No. 100	
No. 200	32 64

Date Reported _____

Liquid Limit 29
 Plasticity Index 12
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 42-6(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 395 N.

PERT No:

Date: 1-31-84

Station: 295 + 00 NBCL

Samplers: Zola Hale, Kern, Barroch

Location from CL:

County: 6A

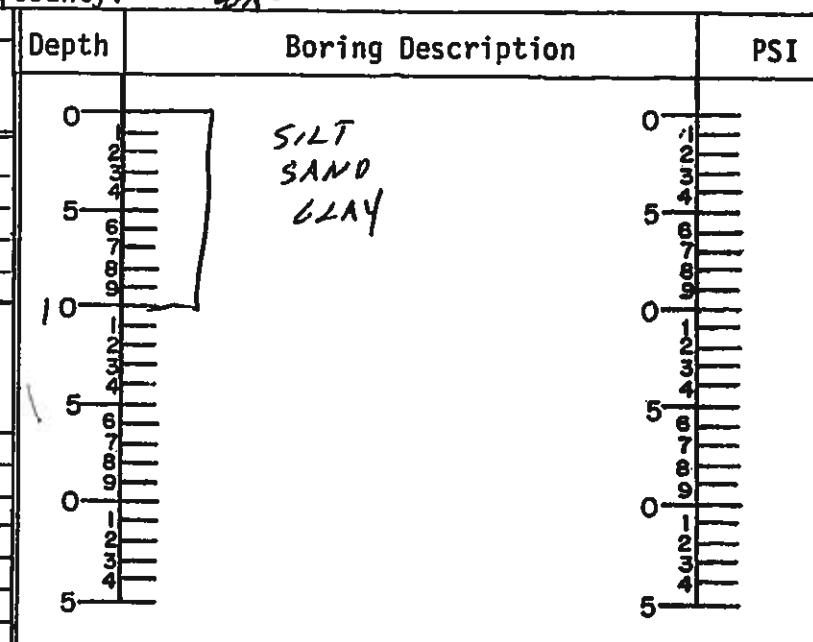
Sample No. 10

Sample Type:

RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy Remarks: TAR & OIL
IN FILL

LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	95	5
No. 10	85	
No. 16		
No. 40	57	
No. 50		
No. 100		
No. 200	32	63

Date Reported _____

Liquid Limit 28
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 4-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 395 N.

PERT No: /

Station: 299+00 NB CL

Date: 1-31-84

Location from CL:

Samplers: ZOLA, HALE, KERN, BAWONICK

County: LATA

Sample No. 11

Depth

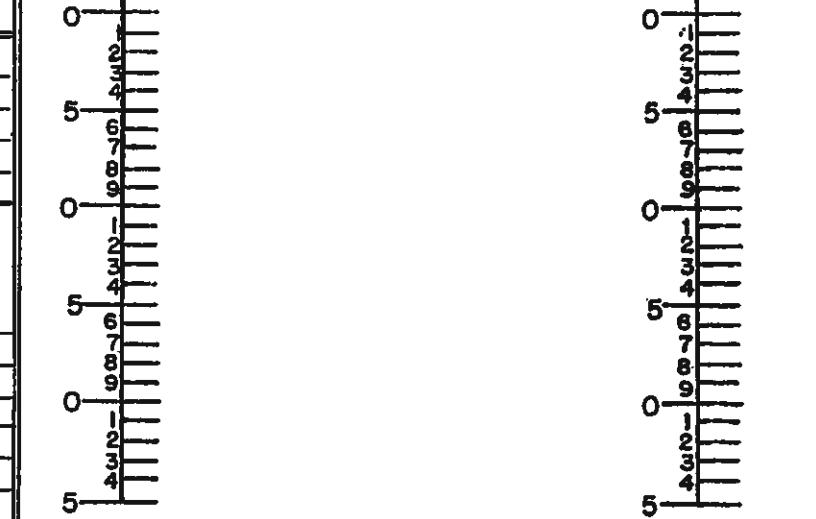
Sample Type:

Boring Description

RV Sub Chem DC Other

PSI

Description of Terrain: _____



Vegetation:

0

Trees
Brushy Shrubs Grassy

1

Remarks: NO CULVERT - NO SAMPLE

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ab No. RV 278-84
C 373-84

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 1-31-84

Samplers: ZOLA HALO, KERN, BOLOVICH

Sample No. 12

Sample Type:

RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy

Shrubs Grassy

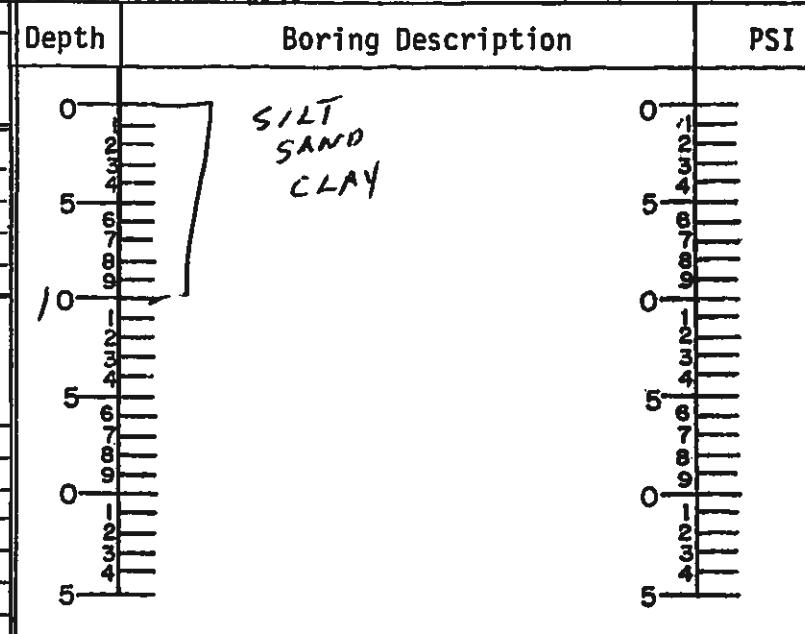
Remarks: THRU

Job Description: LS 395 N.

Station: 300 + 00 NB CL

Location from CL:

County: CD



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	97
No. 10	86
No. 16	76
No. 40	56
No. 50	50
No. 100	39
No. 200	31

Liquid Limit 26 Date Reported _____
Plasticity Index 8
Specific Gravity _____
Resistance Value 28
Cover Stabilometer Expansion Pressure
Thickness 19 1/2 8 1/2
HMCT % No. 4- % No. 4+
Max.Dens. Sp.Gr.
Opt.Moist. _____
Calculated Max. Density _____
Sand Equivalent 14
Natural Moisture % _____
Soluble Radical Parts Per Million
Salt: CO_3 & HCO_3 164 ppm
Chloride _____
Sulphate _____
pH Factor 8.2
HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71089

Job Description: 15-395 N.

PERT No:

Date: 1-31-84

Station: 305+00 NB CL

Samplers: ZOLA, HALO, KERN, BANAVICH

Location from CL:

County: WA

Sample No. 13

Sample Type:

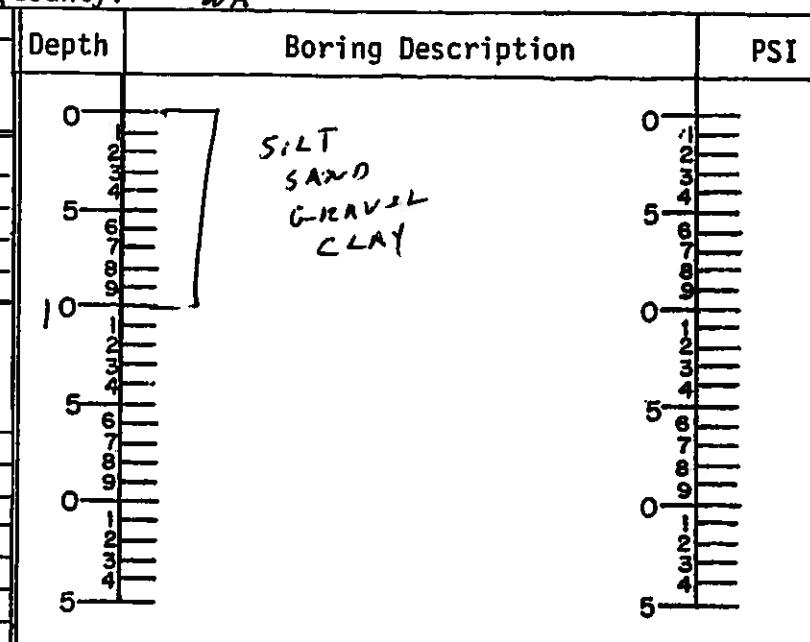
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	95	
1/2"		
3/8"		
No. 4	81	19
No. 10	69	
No. 16		
No. 40	46	
No. 50		
No. 100		
No. 200	26	55

Date Reported _____

Liquid Limit 27
 Plasticity Index 9
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 4-2-4(a)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 395 N

PERT No:

Date: 1-31-84

Station: 310+00 NBCL

Samplers: ZOLA, HALE, KERN, BANOVICH

Location from CL:

County: WA

Sample No. 14

Sample Type:

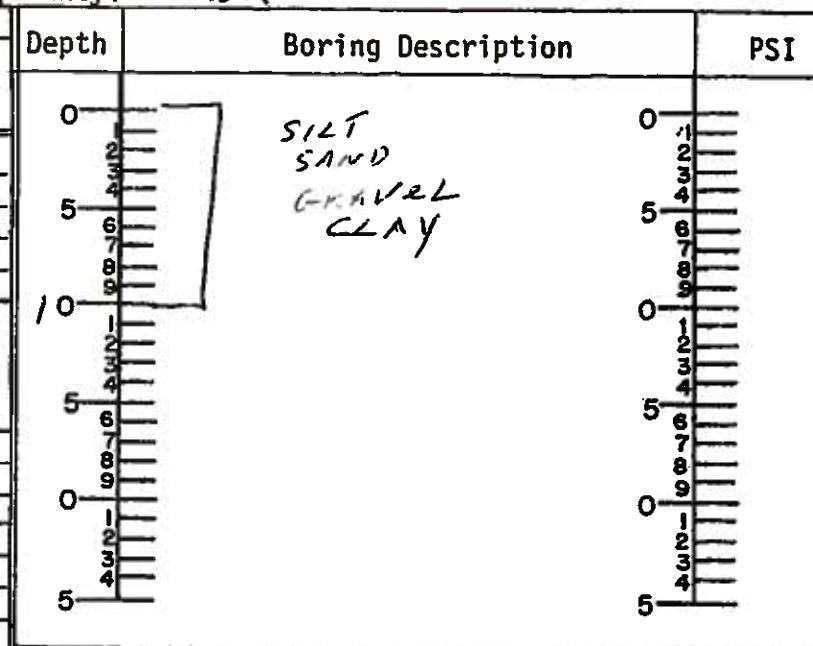
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	88	12
No. 10	78	
No. 16		
No. 40	52	
No. 50		
No. 100		
No. 200	30	58

Date Reported _____

Liquid Limit 30
 Plasticity Index 12
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 395 N.

PERT No:

Date: 1-31-84

Station: 315+00 NB CL

Samplers: ZOLA, HALE, KERN, BANOVICH

Location from CL:

County: WA

Sample No. 15

Sample Type:

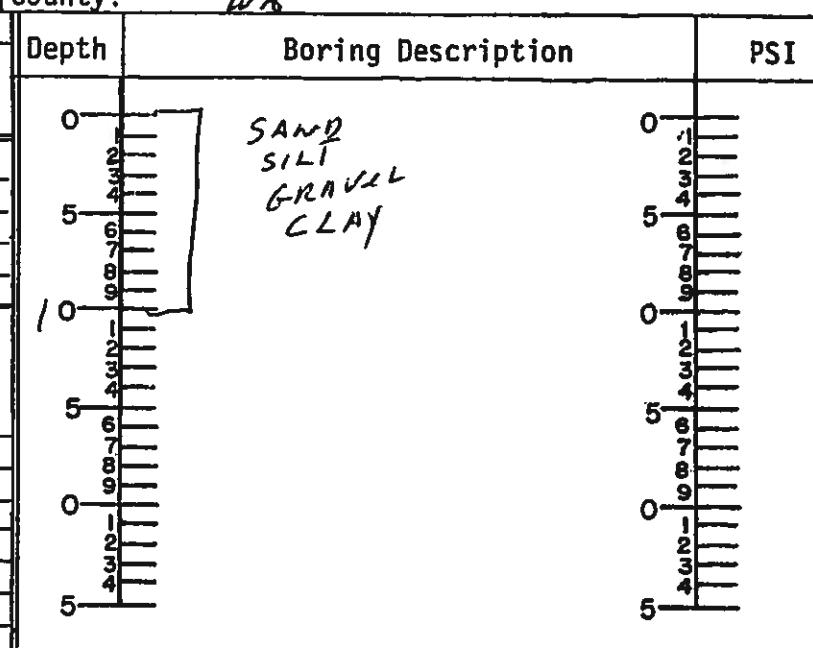
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	94	6
No. 10	84	
No. 16		
No. 40	57	
No. 50		
No. 100		
No. 200	33	61

Date Reported _____

Liquid Limit 26
 Plasticity Index 15
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6(1)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 395 N

PERT No:

Date: 1-31-84

Station: 320 320 + 00 NB CL

Samplers: ZOLA, HALE, KERN, Barovich

Location from CL:

County:

Sample No. 16

Sample Type:

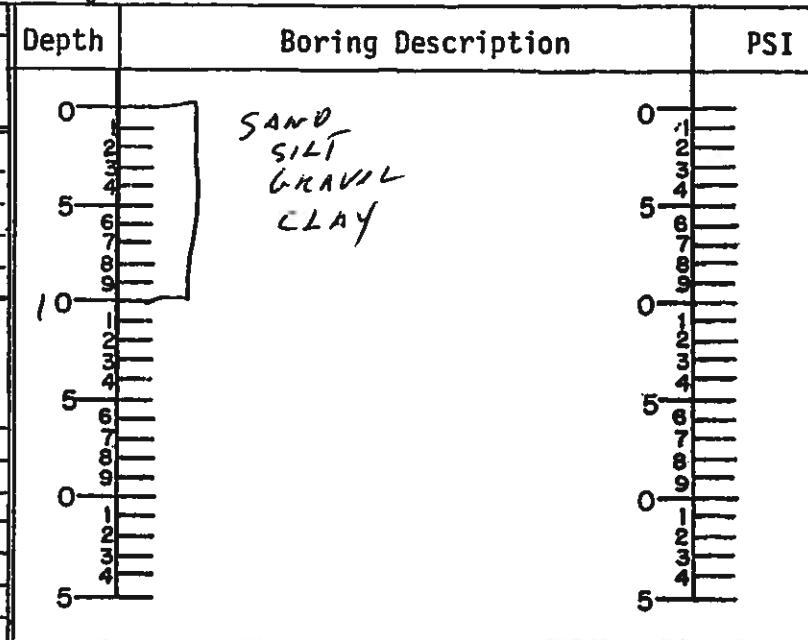
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	92	8
No. 10	79	
No. 16		
No. 40	50	
No. 50		
No. 100		
No. 200	27	65

Date Reported _____

Liquid Limit 26
 Plasticity Index 9
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 9-2-4(0)

Remarks: _____

Lab No. RV 279-84
374-84

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 355 N.

PERT No:

Date: 1-31-84

Station: 328+00 NB CL

Samplers: ZOLA, HALE, KERN, BANNWICH

Location from CL:

County: WA

Sample No. 17

Sample Type:

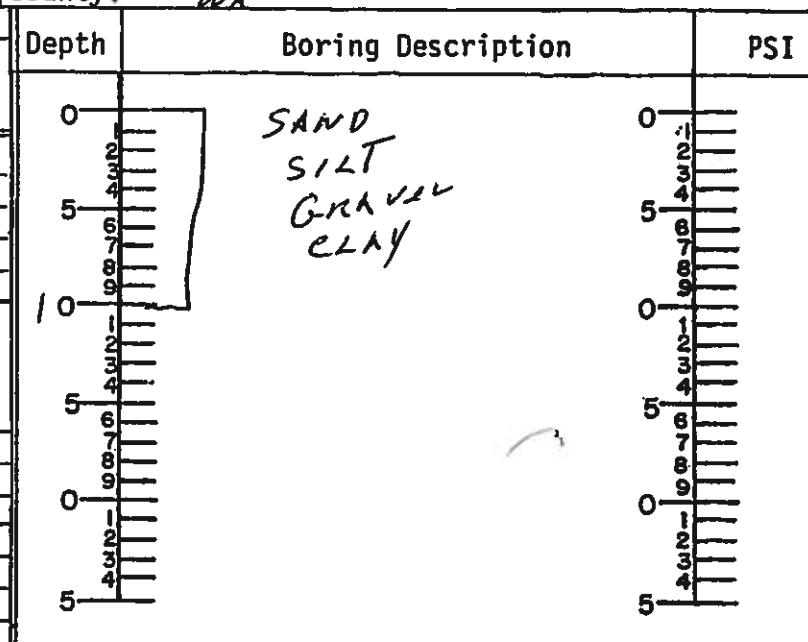
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THRU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	96
3/8"	96
No. 4	93 7
No. 10	83
No. 16	74
No. 40	57
No. 50	53
No. 100	43
No. 200	34 59

Date Reported _____

Liquid Limit 25
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value 18
 Cover Stabilometer Expansion Pressure
 Thickness 23 9 1/2"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 12
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 218 PPM
 Chloride _____
 Sulphate _____
 pH Factor 8.3
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: LS 395 N

PERT No:

Date: 1-31-84

Station: 330700 NBCL

Samplers: ZELA, HALE, KORN, BANOVICH

Location from CL:

County: WA

Sample No. 18

Sample Type:

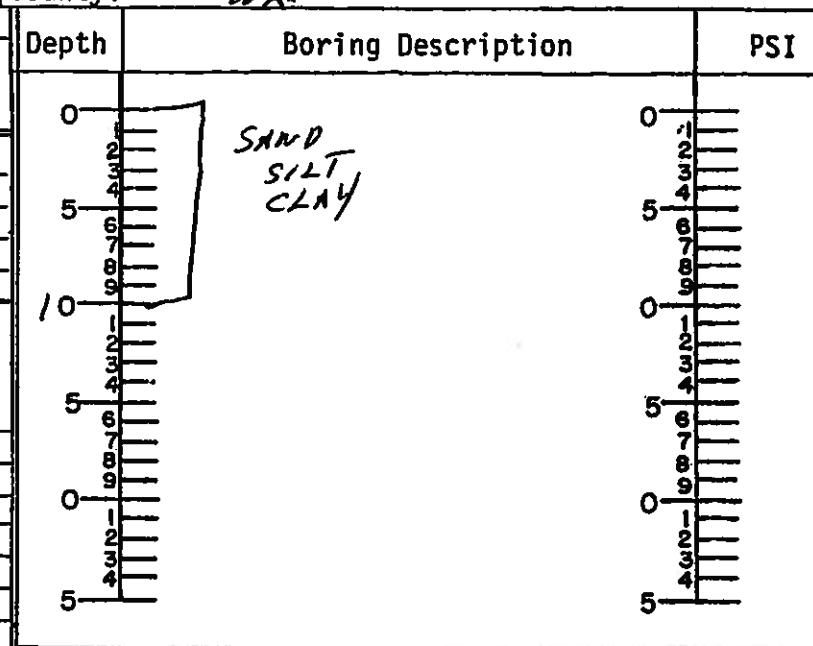
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: TAKU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	95
1/2"	
3/8"	
No. 4	84 16
No. 10	73
No. 16	
No. 40	49
No. 50	
No. 100	
No. 200	30 54

Date Reported _____

Liquid Limit 28
 Plasticity Index 11
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 395 N

PERT No:

Date: 1-31-84

Station: ~~335+00~~ 335+00 NB CL

Samplers: ZOLA HALE KERN, BANOVICH

Location from CL:

County: WH.

Sample No. 19

Sample Type:

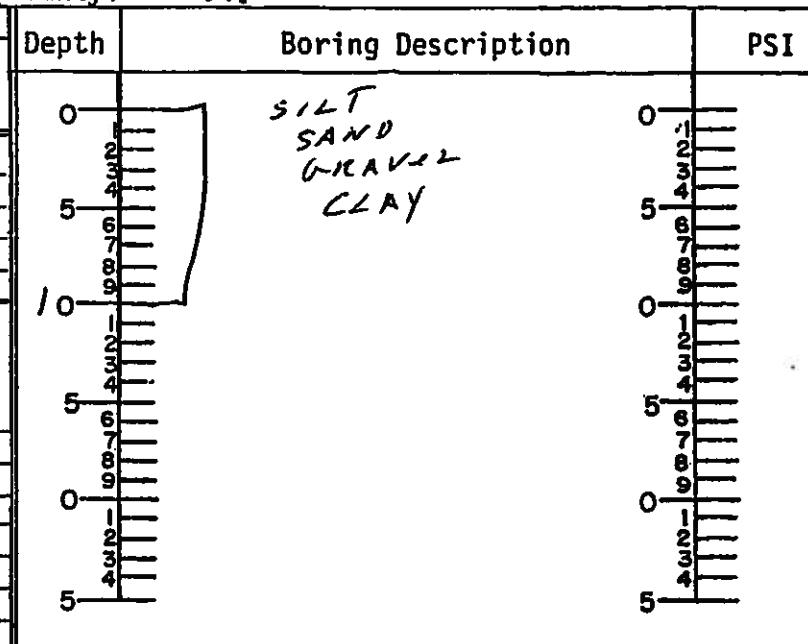
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	95	
1/2"		
3/8"		
No. 4	86	14
No. 10	77	
No. 16		
No. 40	50	
No. 50		
No. 100		
No. 200	28	58

Date Reported _____

Liquid Limit 26
 Plasticity Index 8
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 4-2-4 (0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S. 395 NW.

PERT No:

Date: 1-31-84

Station: 340 + 00 NB CL

Samplers: ZOLA HALE, KAREN BANOVICH

Location from CL:

County: Linn

Sample No. 20

Sample Type:

RV Sub Chem DC Other

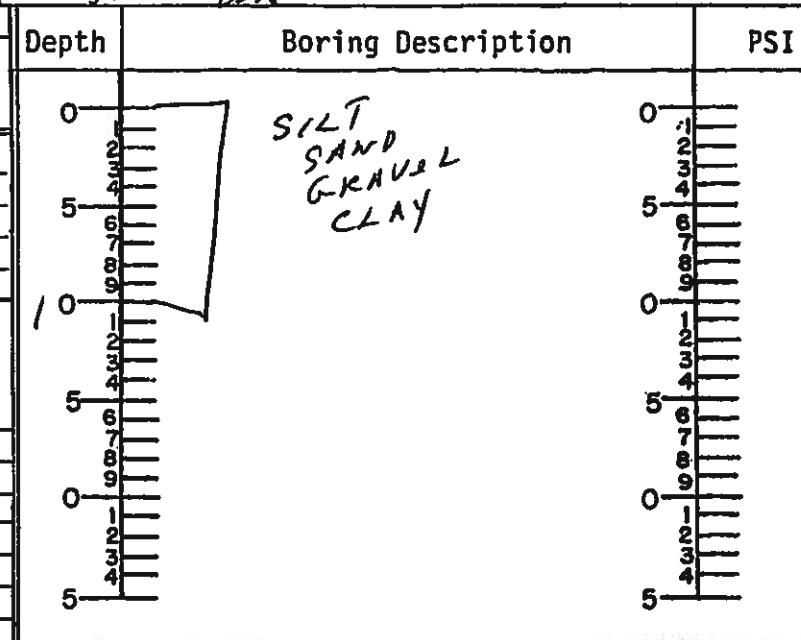
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU O.L.



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	99
1/2"	
3/8"	
No. 4	88 12
No. 10	75
No. 16	
No. 40	52
No. 50	
No. 100	
No. 200	32 56

Liquid Limit	Date Reported
32	
Plasticity Index	9
Specific Gravity	
Resistance Value	
Cover Thickness	Expansion Pressure
HMCT % No. 4-	% No. 4+
Max.Dens.	Sp.Gr.
Opt.Moist.	
Calculated Max. Density	- - -
Sand Equivalent	
Natural Moisture %	
Soluble Radical	Parts Per Million
Salt: CO ₃ & HCO ₃	
Chloride	
Sulphate	
pH Factor	
HRB Classification	A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

Job Description: U.S. 395 N

ERT No:

Station: 345+00 NB CL

Date: 1-31-84

Location from CL:

Samplers: Zola, Nale, Kern, Banovich

County: WA

Sample No. 21

Sample Type:

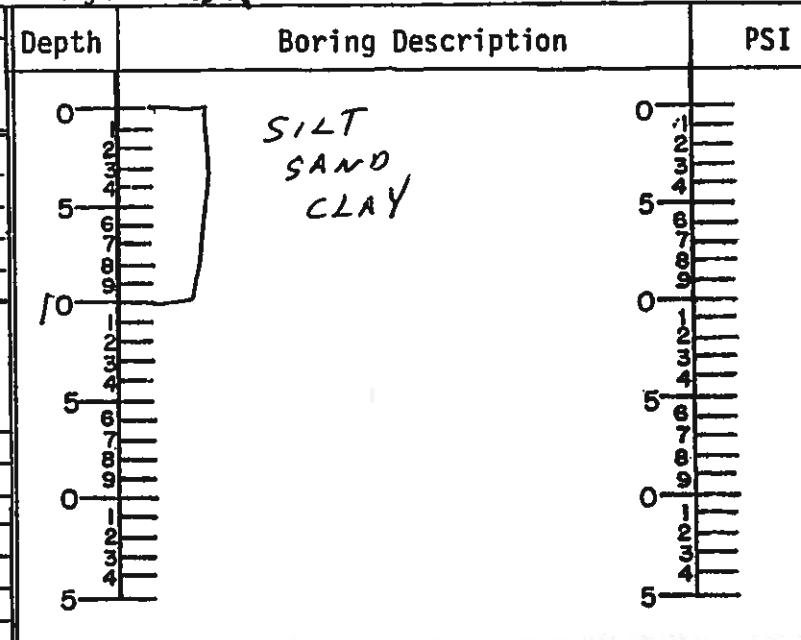
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THRU OIL



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	95 5
No. 10	88
No. 16	
No. 40	65
No. 50	
No. 100	
No. 200	38 57

Liquid Limit	31
Plasticity Index	15
Specific Gravity	
Resistance Value	
Cover Thickness	
Stabilometer	
Expansion Pressure	
HMCT % No. 4-	
Max.Dens.	
Opt.Moist.	
Calculated Max. Density	
Sand Equivalent	
Natural Moisture %	
Soluble Radical	
Salt: CO_3 & HCO_3	
Chloride	
Sulphate	
pH Factor	
HRB Classification	A-6 (2)

Remarks: _____

ab No. RV 280-84
C 375-84

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 1-31-84

Samplers: Zola Hale, Koen, Banovich

Job Description: U.S. 395 N. Reno

Station: 350 + 00 NB CL

Location from CL:

County: W.A.

Sample No. 22

Sample Type:

RV Sub Chem DC Other

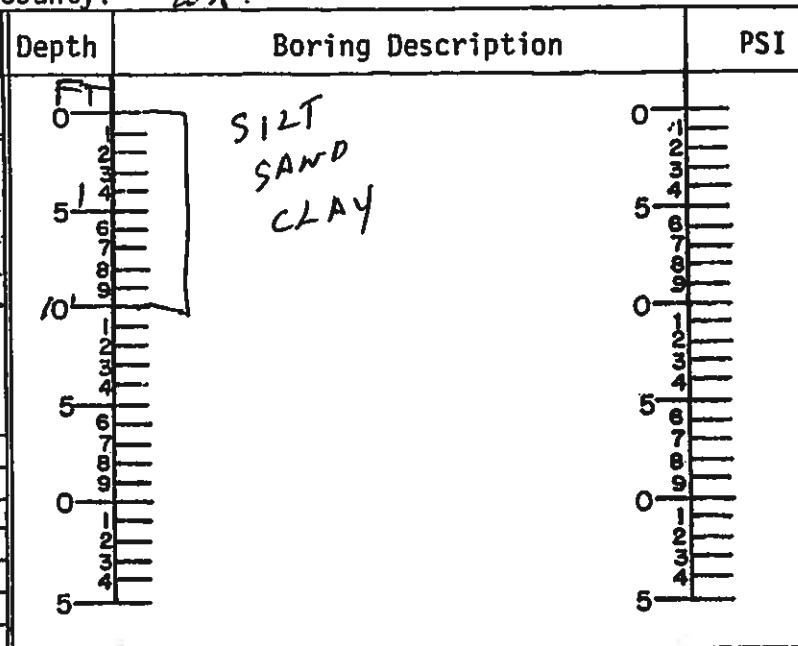
Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

THRU OIL



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	97
No. 10	91
No. 16	81
No. 40	75
No. 50	71
No. 100	61
No. 200	50

Liquid Limit 30
Plasticity Index 11
Specific Gravity _____
Resistance Value 22
Cover Stabilometer Expansion Pressure
Thickness 2 1/2" 17"
HMCT % No. 4- % No. 4+
Max.Dens. Sp.Gr.
Opt.Moist. _____
Calculated Max. Density _____
Sand Equivalent 7
Natural Moisture % _____
Soluble Radical Parts Per Million
Salt: CO_3 & HCO_3 466 ppm
Chloride _____
Sulphate _____
pH Factor 8.2
HRB Classification A-6 (3)

Remarks: _____

LINE SAMPLING DATA (FIELD)

ab No. _____

A.No: 71099

ERT No:

ate: 1-31-84

amplers: ZOLA HAZE, KERRY, BANONICK

Job Description: US 355 N RENO

Station: 355+00 NBCL

Location from CL:

County:

WA

ample No. 23

ample Type:

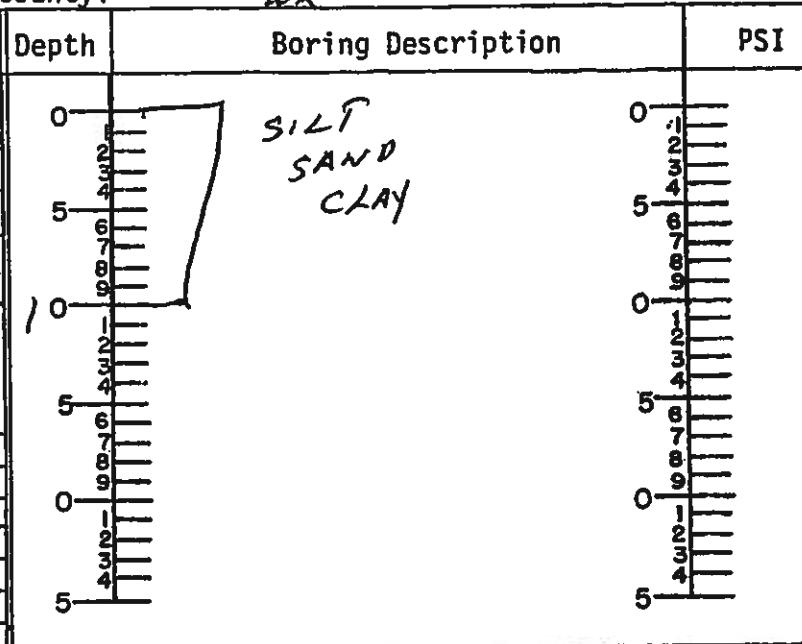
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THRU OIL



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	92
No. 10	83
No. 16	
No. 40	66
No. 50	
No. 100	
No. 200	41 51

Liquid Limit 28
 Plasticity Index 15
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+ _____
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 4-6 (3)

Remarks: _____

LINE SAMPLING DATA (FIELD)

ab No. _____

A.No: 71099

ERT No:

ate: 1-31-84

amplers: Zola, Hale, Kern, Banovich

Job Description: U.S. 395 N.

Station: 360+00 NB CL

Location from CL:

County: WA

Sample No. 24

Sample Type:

RV Sub Chem DC Other

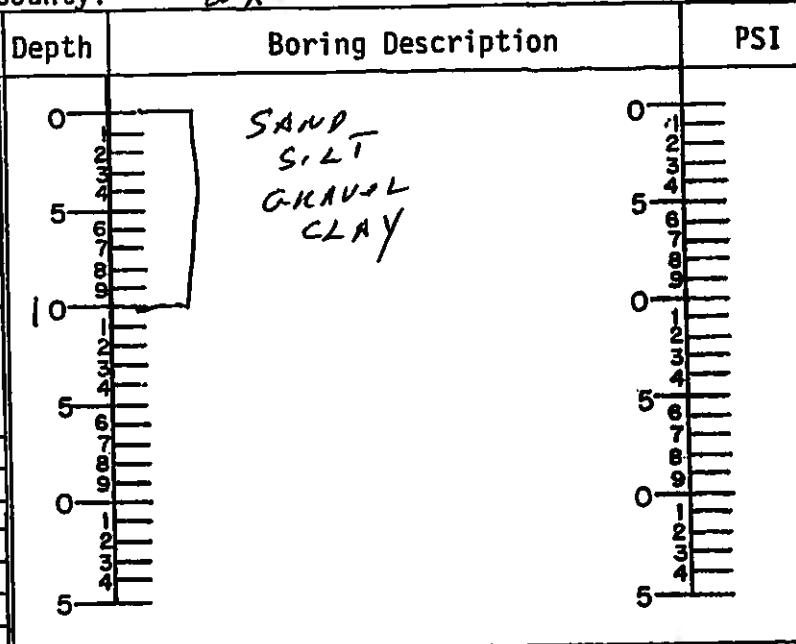
Description of Terrain: Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU O.L.



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	97
1/2"	
3/8"	
No. 4	85 15
No. 10	73
No. 16	
No. 40	53
No. 50	
No. 100	
No. 200	35 50

Liquid Limit	27	
Plasticity Index	9	
Specific Gravity		
Resistance Value		
Cover	Stabilometer	Expansion Pressure
Thickness		
HMCT % No. 4-		% No. 4+
Max.Dens.		Sp.Gr.
Opt.Moist.		
Calculated Max. Density	- - -	
Sand Equivalent		
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO ₃ & HCO ₃		
Chloride		
Sulphate		

pH Factor

HRB Classification A-2-4(0)

Remarks: _____

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

Job Description: US 395 N. RENO

ERT No:

Date: 1-31-84

Station: 365700 NB CL

Samplers: ZOLA, HALE, REYN, BANDUCH

Location from CL:

County: WA.

Sample No. 25

Sample Type:

RV Sub Chem DC Other

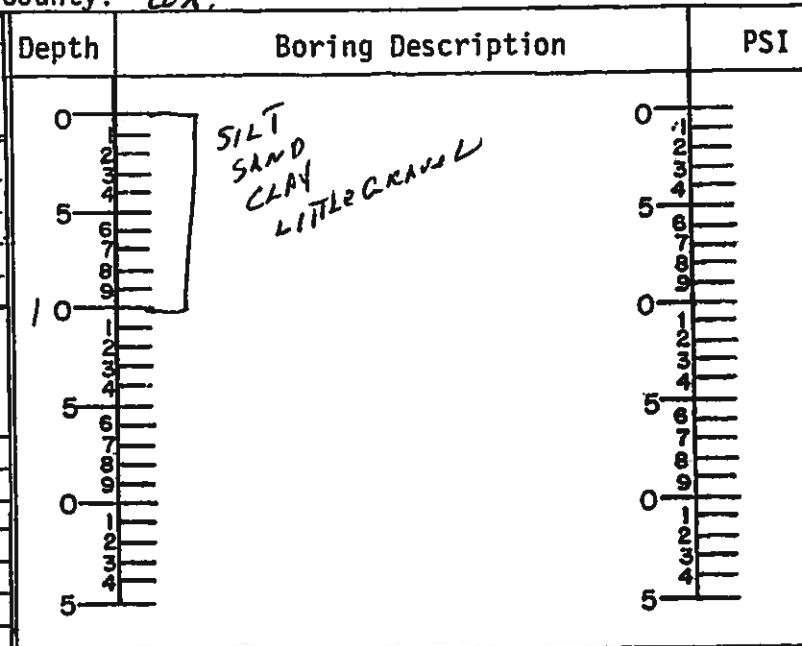
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU OIL



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	89 11
No. 10	76
No. 16	
No. 40	55
No. 50	
No. 100	
No. 200	37 52

Liquid Limit	28	
Plasticity Index	10	
Specific Gravity		
Resistance Value		
Cover	Stabilometer	Expansion Pressure
Thickness		
HMCT %	No. 4-	% No. 4+
Max. Dens.		Sp. Gr.
Opt. Moist.		
Calculated Max. Density	- - -	- - -
Sand Equivalent		
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO_3 & HCO_3		
Chloride		
Sulphate		
pH Factor		
HRB Classification	A-4 (0)	

Remarks: _____

LINE SAMPLING DATA (FIELD)

ab No. _____

A.No: 71099

ERT No:

ate: 1-31-84

amplers: ZOLA, HALE, KERN BANVICK

Job Description: U.S. 395 N. RENO

Station: 370+00 NB CL

Location from CL:

County: LNU

ample No. 26

ample Type:

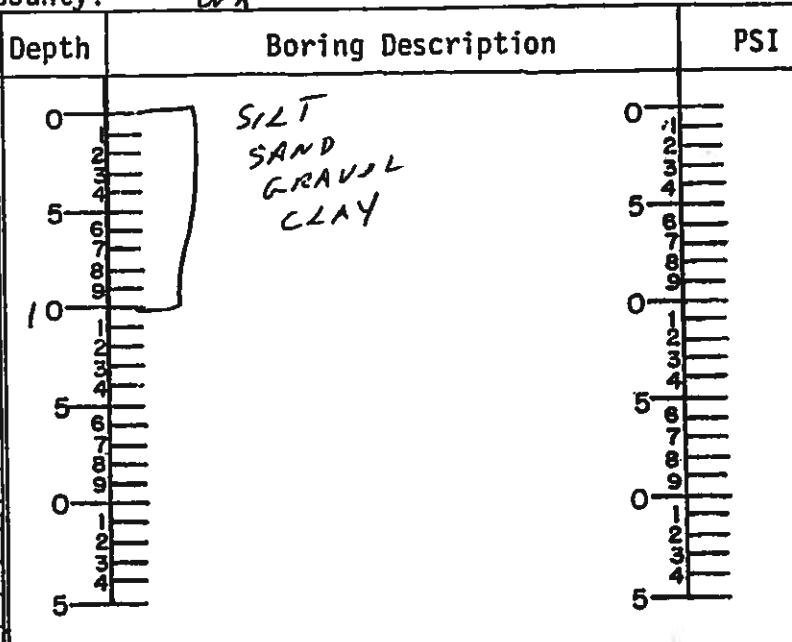
RV Sub Chem DC Other

Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: THRU O.L.



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	99	
1/2"		
3/8"		
No. 4	69	31
No. 10	57	
No. 16		
No. 40	42	
No. 50		
No. 100		
No. 200	27	42

Liquid Limit	27	Date Reported _____
Plasticity Index	9	
Specific Gravity		
Resistance Value		
Cover Thickness		Expansion Pressure
HMCT %	No. 4-	% No. 4+
Max.Dens.		Sp.Gr.
Opt.Moist.		
Calculated Max. Density	- - -	
Sand Equivalent		
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO_3 & HCO_3		
Chloride		
Sulphate		
pH Factor		
HRB Classification	A-2-4(0)	

Remarks: _____

Job No. RV 281-84
C 376-84

LINE SAMPLING DATA (FIELD)

A.No: 71099Job Description: I.I.S. 395-N. RINO

ERT No:

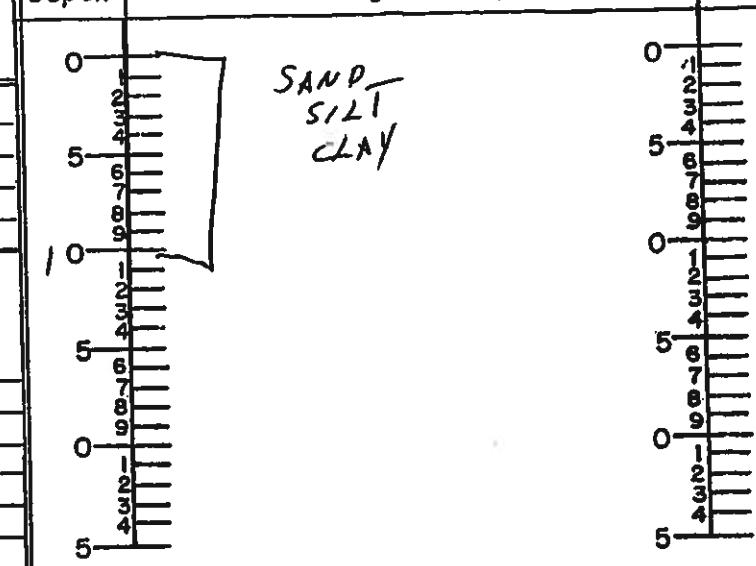
Station: 375+00 NB CLDate: 1-31-84

Location from CL:

Samplers: ZOLA, Hale, Rino, BanovichCounty: WA.Sample No. 27

Depth Boring Description PSI

Sample Type:

RV Sub Chem DC Other Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy Remarks: THRU OIL

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	98
3/8"	96
No. 4	93
No. 10	87
No. 16	83
No. 40	75
No. 50	72
No. 100	65
No. 200	56 37

LABORATORY ANALYSES

Date Reported _____

Liquid Limit	<u>38</u>	Expansion Pressure <i>calculated too much exp.</i>
Plasticity Index	<u>18</u>	
Specific Gravity		
Resistance Value	<u>28</u>	
Cover Thickness	<u>19 1/2</u>	
HMCT % No. 4-		
Max.Dens.		
Opt.Moist.		
Calculated Max. Density		
Sand Equivalent	<u>8</u>	
Natural Moisture %		
Soluble Radical		
Salt: CO_3 & HCO_3		
Chloride		
Sulphate		
pH Factor	<u>8.1</u>	Parts Per Million
HRB Classification	<u>A-6 (7)</u>	<u>127 ppm</u>

Remarks: _____

Job No. RV 282-84
C 377-84

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 1-31-84Samplers: ZOLA, Barwick, Kew, HaleJob Description: NB 395Station: XN 380 ~ CL

Location from CL:

County: WASample No. 28

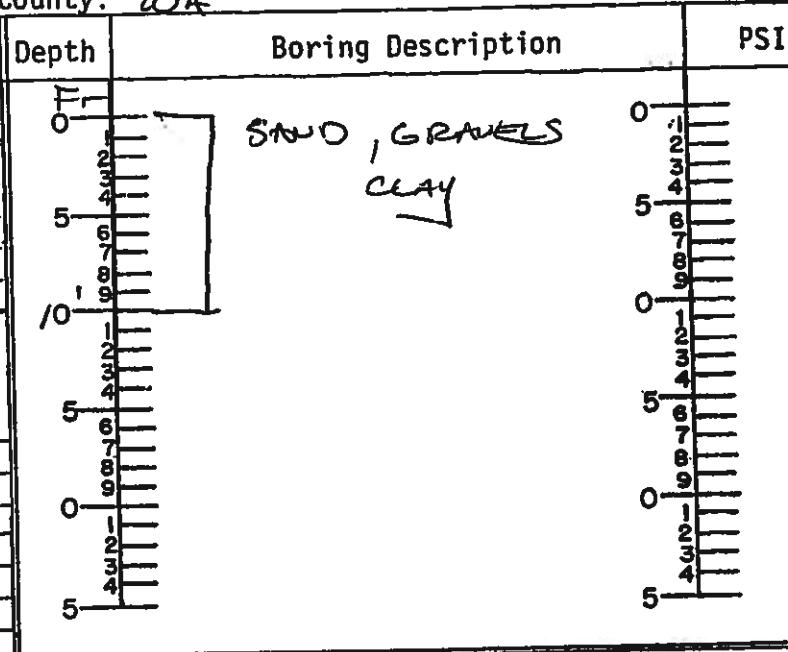
Sample Type:

RV Sub Chem DC Other

Description of Terrain:

Rolling

Vegetation:

Trees
Brushy Shrubs Grassy Remarks: THICK GRASS

LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	98
3/4"	97
1/2"	90
3/8"	86
No. 4	75 25
No. 10	61
No. 16	55
No. 40	45
No. 50	42
No. 100	36
No. 200	30 45

Liquid Limit	<u>29</u>	Expansion Pressure 11
Plasticity Index	<u>10</u>	
Specific Gravity		
Resistance Value	<u>42</u>	
Cover Stabilometer		
Thickness	<u>15'</u>	
HMCT % No. 4-		
Max. Dens.		
Opt. Moist.		
Calculated Max. Density	- - -	
Sand Equivalent	<u>13</u>	
Natural Moisture %		
Soluble Radical		
Salt: CO_3 & HCO_3		
Chloride		
Sulphate		
pH Factor	<u>8.0</u>	
HRB Classification	<u>A-2-4(0)</u>	

Remarks: _____

NEW XS 284+00-302+00

Lab No. RV 283-84
C 378-84

LINE SAMPLING DATA (FIELD)

E.A.No: <u>71099</u>	Job Description: <u>U.S. 395 N. Road</u>
PERT No:	Station: <u>380+00 SBCL</u>
Date: <u>2-1-84</u>	Location from CL:
Samplers: <u>ZOLA, HALE, KERN, Banovich</u>	County: <u>LSD.</u>
Sample No. <u>29</u>	
Sample Type: RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	
Description of Terrain: <u>ROLLING</u>	
Vegetation: Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input type="checkbox"/> Brushy <input type="checkbox"/>	
Remarks: <u>THRU ORL</u>	

Depth (m)

Boring Description

PSI (lb/in²)

SILT
SAND
GRAVEL
CLAY

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	95
1/2"	93
3/8"	90
No. 4	79
No. 10	68
No. 16	61
No. 40	49
No. 50	46
No. 100	39
No. 200	32
	21
	47

Date Reported _____

Liquid Limit 26
 Plasticity Index 8
 Specific Gravity _____
 Resistance Value 42
 Cover Stabilometer Expansion Pressure
 Thickness 14 1/2" 15"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 11
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 104 ppm
 Chloride _____
 Sulphate _____
 pH Factor 8.4
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 02-1-84

Samplers: ZOLA HALE, KERN, Banovich

Sample No. 30

Sample Type:

RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

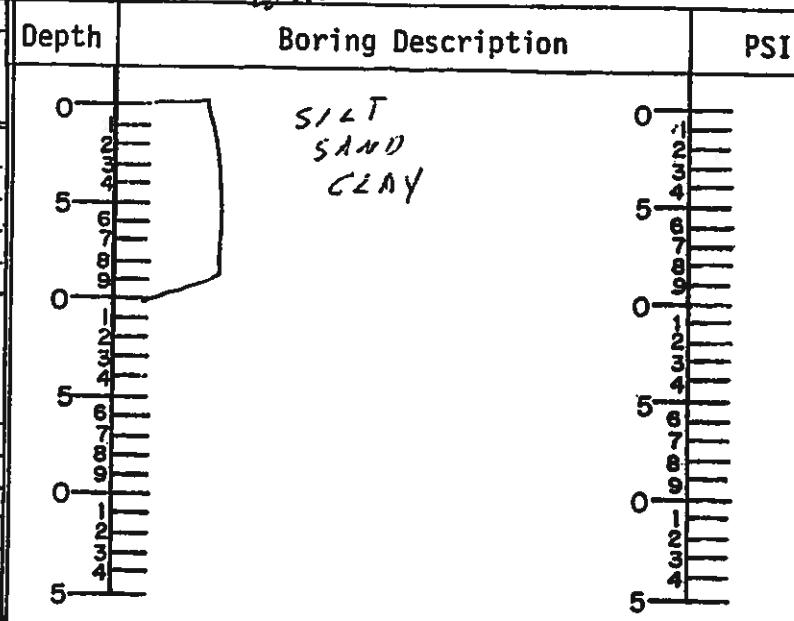
Remarks: THRU oil

Job Description: U.S 395 N Reno

Station: 375700 SBCL

Location from CL:

County: L.A.



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	93 7
No. 10	86
No. 16	
No. 40	68
No. 50	
No. 100	
No. 200	48 45

Liquid Limit	28	Date Reported	_____
Plasticity Index	10		
Specific Gravity			
Resistance Value			
Cover Thickness		Stabilometer	Expansion Pressure
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-4(3)		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 51099

Job Description: U.S. 395 N. Reno

PERT No:

Date: 02-1-84

Station: 370+00 SB CL

Samplers: ZOLA, HALE, KELA, Banovich

Location from CL:

Sample No. 31

County:

Sample Type:

RV Sub Chem DC Other

Description of Terrain:

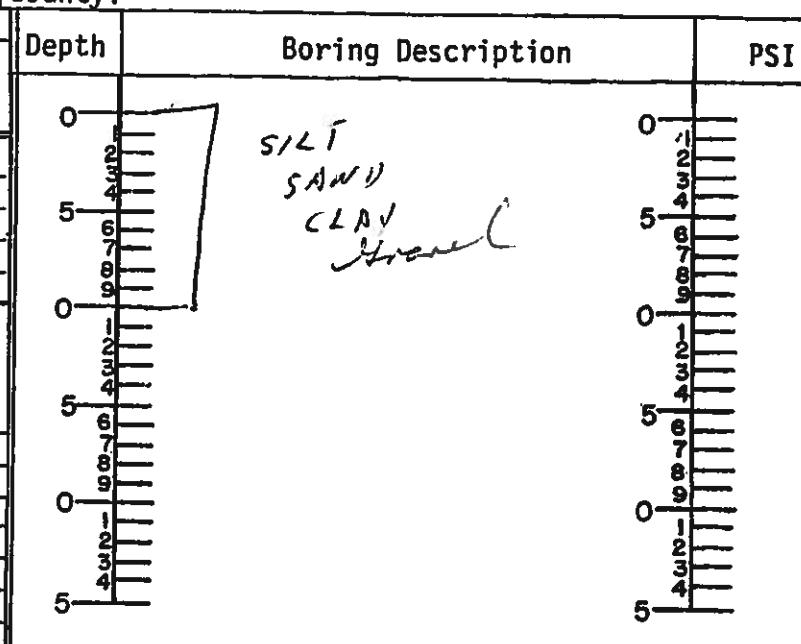
ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU oil



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	84	16
No. 10	73	
No. 16		
No. 40	52	
No. 50		
No. 100		
No. 200	35	49

Date Reported _____

Liquid Limit 24
 Plasticity Index 8
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical _____ Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 395 N- Reno

PERT No:

Date: 7-7-84

Station: 365+00 SBCL

Samplers: ZOLA, HALE, KORN, Banovich

Location from CL:

Sample No. 32

County: L.A.

Sample Type:

RV Sub Chem DC Other

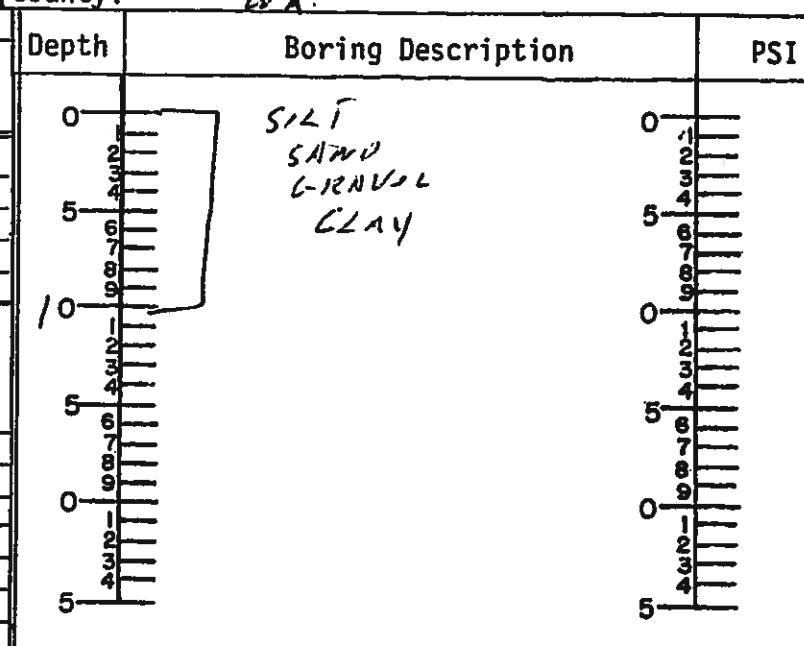
Description of Terrain: Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	96	
1/2"		
3/8"		
No. 4	81	19
No. 10	68	
No. 16		
No. 40	49	
No. 50		
No. 100		
No. 200	31	50

Date Reported _____

Liquid Limit 26
 Plasticity Index 8
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA (FIELD)

Job No. _____

A.No: 71099

ERT No:

Date: 2-1-84

Samplers: ZOLA, HALE, KERN, BANNOCK

Job Description: U.S. 395 N. RENO

Station: 360+00 SBCL

Location from CL:

County: WA.

Sample No. 33

Sample Type:

RV Sub Chem DC Other

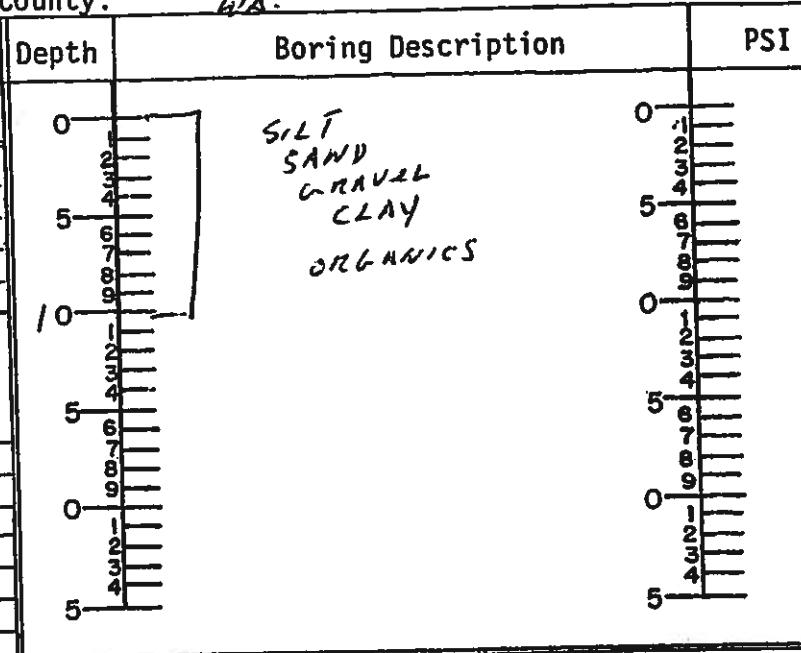
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU OIL



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing	
3"	100	
2"		
1 1/2"	99	
1"		
3/4"	98	
1/2"		
3/8"		
No. 4	80	20
No. 10	69	
No. 16		
No. 40	99	
No. 50		
No. 100		
No. 200	31	49

Liquid Limit 25
 Plasticity Index 12
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max. Dens. _____ Sp. Gr. _____
 Opt. Moist. _____
 Calculated Max. Density _____
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6 (0)

Remarks: _____

Lab No. RV 284-84
C 379-84

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 2-1-84Samplers: ZOLA, NALE, KEREN, BANOVICHSample No. 34

Sample Type:

RV Sub Chem DC Other Job Description: US 395 N RENOStation: 355+00 SB CL

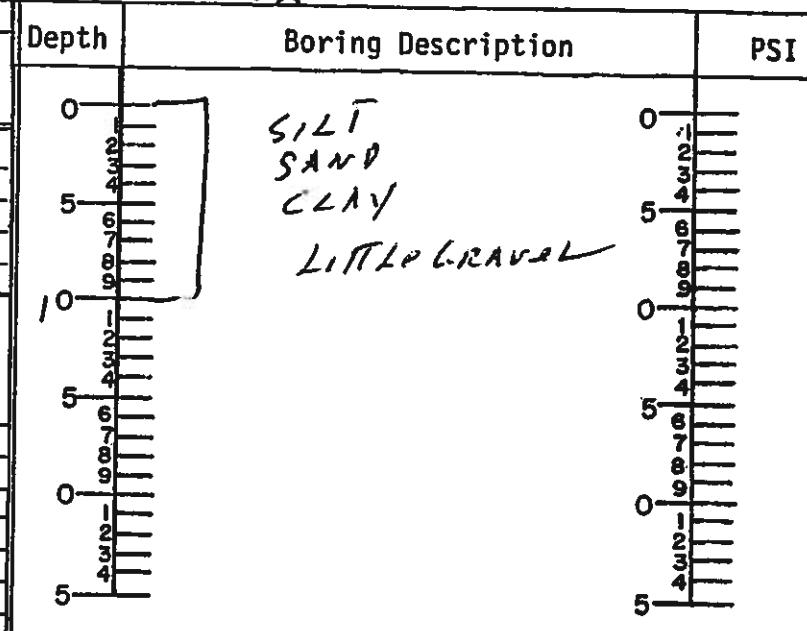
Location from CL:

County: WADescription of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

THRU OIL

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	96
No. 10	89
No. 16	83
No. 40	68
No. 50	63
No. 100	51
No. 200	40
	56

Date Reported _____

Liquid Limit 29
 Plasticity Index 11
 Specific Gravity _____
 Resistance Value 35
 Cover Stabilometer _____
 Thickness 17/2" Expansion Pressure 10 1/2"
 HMCT % No. 4- ----- % No. 4+ -----
 Max.Dens. ----- Sp.Gr. -----
 Opt.Moist. -----
 Calculated Max. Density -----
 Sand Equivalent 11
 Natural Moisture % -----
 Soluble Radical -----
 Salt: CO_3 & HCO_3 Parts Per Million 109 ppm
 Chloride -----
 Sulphate -----
 pH Factor 8.0
 HRB Classification A-6 (1)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 2-1-87

Samplers: ZOLA, HALE, KEEN, BANOVICH

Job Description: U.S. 395 N. RENO

Station: 350+00 SB CL

Location from CL:

County: WA

Sample No. 35

Sample Type:

RV Sub Chem DC Other

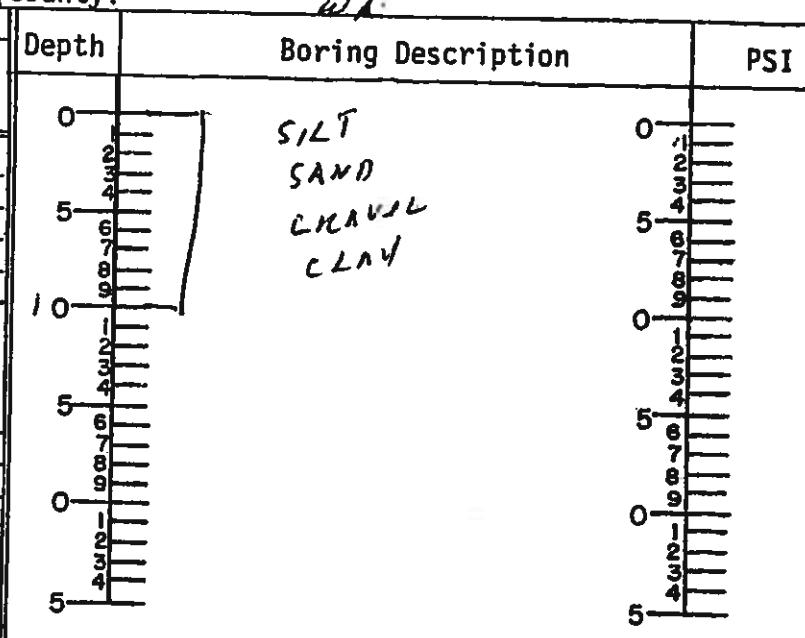
Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	96
No. 10	85
No. 16	
No. 40	54
No. 50	
No. 100	
No. 200	30 66

Liquid Limit	29	Date Reported	_____
Plasticity Index	8		
Specific Gravity			
Resistance Value			
Cover Thickness		Stabilometer	Expansion Pressure
HMCT % No. 4-			
Max.Dens.		% No. 4+	
Opt.Moist.		Sp.Gr.	
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-2-4(0)		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 355 N Reno

PERT No:

Date: 2-1-84

Station: 346400 SB CL

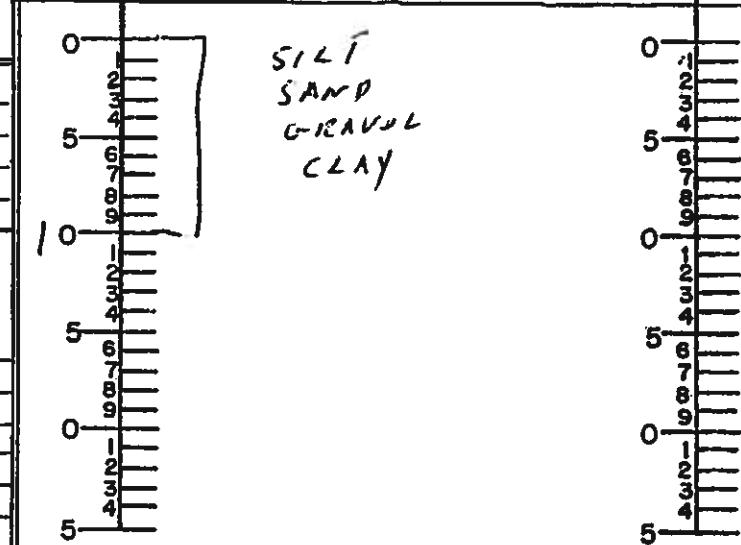
Samplers: ZOLLA, HALP, KERN, BANOVICH

Location from CL:

County:

Sample No. 36

Depth Boring Description PSI

Sample Type: RV Sub Chem DC Other 

Description of Terrain: ROLLING

Vegetation:
Trees Shrubs Grassy
Brushy

Remarks: THRU OIL

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	90 10
No. 10	82
No. 16	
No. 40	60
No. 50	
No. 100	
No. 200	39 51

LABORATORY ANALYSES

Liquid Limit	27	Date Reported	_____
Plasticity Index	13		
Specific Gravity			
Resistance Value			
Cover Thickness		Stabilometer	Expansion Pressure
HMCT % No. 4-			% No. 4+
Max.Dens.			Sp.Gr.
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-6 (2)		

Remarks: _____

Job No. RV 285-84
C 380-84

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 2-1-84

Samplers: ZOLA, HALE, KERN, BANOVICL

Job Description: US 395 N. RENO

Station: 344700 SBCL

Location from CL:

County: LIN

Sample No. 37

Sample Type:

RV Sub Chem DC Other

Description of Terrain: ROLLING

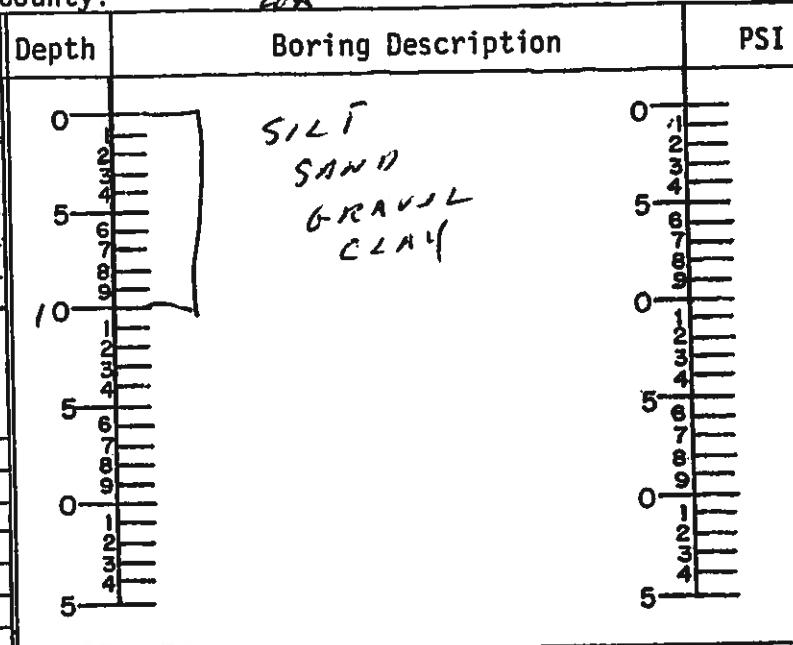
Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

THRU OIL

FILL AREA



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	98
3/8"	96
No. 4	90 10
No. 10	78
No. 16	69
No. 40	52
No. 50	48
No. 100	38
No. 200	31 59

Liquid Limit 29
Plasticity Index 17
Specific Gravity _____
Resistance Value 26
Cover Stabilometer Expansion Pressure
Thickness 20" 10"
HMCT % No. 4- % No. 4+
Max.Dens. Sp.Gr.
Opt.Moist. _____
Calculated Max. Density _____
Sand Equivalent 13
Natural Moisture % _____
Soluble Radical
Salt: CO_3 & HCO_3 Parts Per Million
Chloride _____ 138 ppm
Sulphate _____
pH Factor 8.2
HRB Classification A-2-6(1)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 395 N.

PERT No:

Date: 2-1-84

Samplers: ZOLA, HALE, KORN, BANICK

Station: 339700 SB CL

Location from CL:

County: WA.

Sample No. 38

Sample Type:

RV Sub Chem DC Other

Description of Terrain: ROLLING

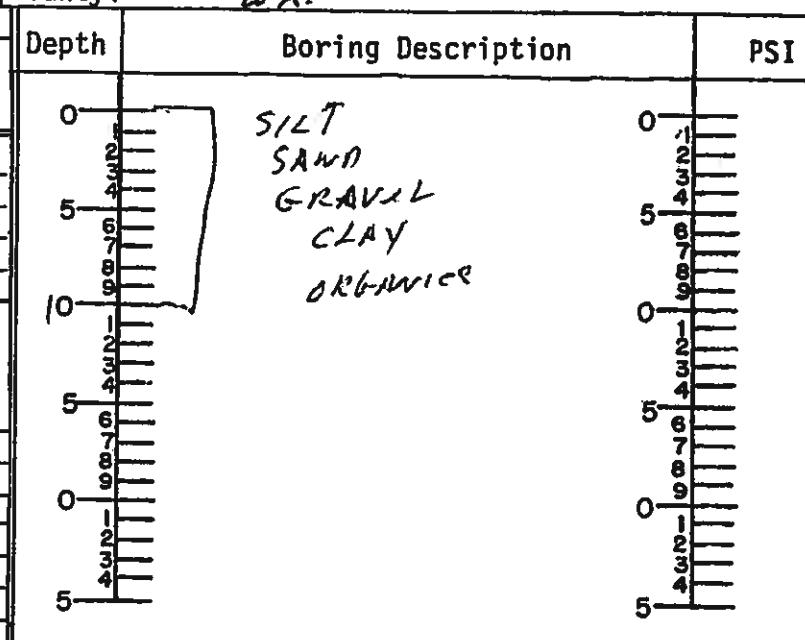
Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

THRU O.L.

FILL AREA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	98
1/2"	
3/8"	
No. 4	81 19
No. 10	71
No. 16	
No. 40	51
No. 50	
No. 100	
No. 200	33 48

Liquid Limit	95	Date Reported	_____
Plasticity Index	12		
Specific Gravity			
Resistance Value			
Cover	Stabilometer	Expansion Pressure	
Thickness			
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density	- - -		
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO ₃ & HCO ₃			
Chloride			
Sulphate			
pH Factor			
HRB Classification	4-6 (O)		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099	Job Description: US 395 N. ROAD
PERT No:	
Date: 2-1-84	Station: 334700 SACL
Samplers: ZOLA, HALE, KERN, Bandovich	Location from CL:
Sample No. 39	County: WA
Sample Type: RV <input type="checkbox"/> Sub <input checked="" type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	Depth Boring Description PSI
Description of Terrain: ROLLING	
Vegetation: Trees <input checked="" type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input type="checkbox"/> Brushy <input checked="" type="checkbox"/>	
Remarks: THRU OIL FILL AREA	

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	98
1/2"	
3/8"	
No. 4	88 12
No. 10	78
No. 16	
No. 40	53
No. 50	
No. 100	
No. 200	33 55

Liquid Limit	26	Date Reported
Plasticity Index	11	
Specific Gravity		
Resistance Value		
Cover Thickness		Expansion Pressure
HMCT % No. 4-		% No. 4+
Max.Dens.		Sp.Gr.
Opt.Moist.		
Calculated Max. Density	- - -	
Sand Equivalent		
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO ₃ & HCO ₃		
Chloride		
Sulphate		
pH Factor		
HRB Classification	A-6 (O)	

Remarks: _____

Lab No. RV-286-84
C 381-84

LINE SAMPLING DATA (FIELD)

E.A.No: <u>71099</u>	Job Description: <u>U.S. 395 N. Reno</u>																																																																																																																																																						
PERT No:	Station: <u>329+00 SB CL</u>																																																																																																																																																						
Date: <u>2-1-81</u>	Location from CL:																																																																																																																																																						
Samplers: <u>Zola, Hale, Kern, Banovich</u>	County: <u>LDS</u>																																																																																																																																																						
Sample No. <u>40</u>	<table border="1"> <thead> <tr> <th>Depth</th> <th>Boring Description</th> <th>PSI</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>SILT</td> <td>0</td> </tr> <tr> <td>2</td> <td>SAND</td> <td>1</td> </tr> <tr> <td>4</td> <td>GRAVEL</td> <td>2</td> </tr> <tr> <td>5</td> <td></td> <td>3</td> </tr> <tr> <td>6</td> <td></td> <td>4</td> </tr> <tr> <td>7</td> <td></td> <td>5</td> </tr> <tr> <td>8</td> <td></td> <td>6</td> </tr> <tr> <td>9</td> <td></td> <td>7</td> </tr> <tr> <td>10</td> <td></td> <td>8</td> </tr> <tr> <td>11</td> <td></td> <td>9</td> </tr> <tr> <td>12</td> <td></td> <td>10</td> </tr> <tr> <td>13</td> <td></td> <td>11</td> </tr> <tr> <td>14</td> <td></td> <td>12</td> </tr> <tr> <td>15</td> <td></td> <td>13</td> </tr> <tr> <td>16</td> <td></td> <td>14</td> </tr> <tr> <td>17</td> <td></td> <td>15</td> </tr> <tr> <td>18</td> <td></td> <td>16</td> </tr> <tr> <td>19</td> <td></td> <td>17</td> </tr> <tr> <td>20</td> <td></td> <td>18</td> </tr> <tr> <td>21</td> <td></td> <td>19</td> </tr> <tr> <td>22</td> <td></td> <td>20</td> </tr> <tr> <td>23</td> <td></td> <td>21</td> </tr> <tr> <td>24</td> <td></td> <td>22</td> </tr> <tr> <td>25</td> <td></td> <td>23</td> </tr> <tr> <td>26</td> <td></td> <td>24</td> </tr> <tr> <td>27</td> <td></td> <td>25</td> </tr> <tr> <td>28</td> <td></td> <td>26</td> </tr> <tr> <td>29</td> <td></td> <td>27</td> </tr> <tr> <td>30</td> <td></td> <td>28</td> </tr> <tr> <td>31</td> <td></td> <td>29</td> </tr> <tr> <td>32</td> <td></td> <td>30</td> </tr> <tr> <td>33</td> <td></td> <td>31</td> </tr> <tr> <td>34</td> <td></td> <td>32</td> </tr> <tr> <td>35</td> <td></td> <td>33</td> </tr> <tr> <td>36</td> <td></td> <td>34</td> </tr> <tr> <td>37</td> <td></td> <td>35</td> </tr> <tr> <td>38</td> <td></td> <td>36</td> </tr> <tr> <td>39</td> <td></td> <td>37</td> </tr> <tr> <td>40</td> <td></td> <td>38</td> </tr> <tr> <td>41</td> <td></td> <td>39</td> </tr> <tr> <td>42</td> <td></td> <td>40</td> </tr> <tr> <td>43</td> <td></td> <td>41</td> </tr> <tr> <td>44</td> <td></td> <td>42</td> </tr> <tr> <td>45</td> <td></td> <td>43</td> </tr> <tr> <td>46</td> <td></td> <td>44</td> </tr> <tr> <td>47</td> <td></td> <td>45</td> </tr> <tr> <td>48</td> <td></td> <td>46</td> </tr> <tr> <td>49</td> <td></td> <td>47</td> </tr> <tr> <td>50</td> <td></td> <td>48</td> </tr> </tbody> </table>	Depth	Boring Description	PSI	0	SILT	0	2	SAND	1	4	GRAVEL	2	5		3	6		4	7		5	8		6	9		7	10		8	11		9	12		10	13		11	14		12	15		13	16		14	17		15	18		16	19		17	20		18	21		19	22		20	23		21	24		22	25		23	26		24	27		25	28		26	29		27	30		28	31		29	32		30	33		31	34		32	35		33	36		34	37		35	38		36	39		37	40		38	41		39	42		40	43		41	44		42	45		43	46		44	47		45	48		46	49		47	50		48
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Sample Type: <u>Sub</u> <input checked="" type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>																																																																																																																																																							
Description of Terrain: <u>Rolling</u>																																																																																																																																																							
Vegetation: <u>Trees</u> <input type="checkbox"/> <u>Shrubs</u> <input type="checkbox"/> <u>Grassy</u> <input type="checkbox"/>																																																																																																																																																							
Brushy <input type="checkbox"/>																																																																																																																																																							
Remarks: <u>THRU OIL</u> <u>CUT AREA</u>																																																																																																																																																							

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	99
3/8"	98
No. 4	91
No. 10	76
No. 16	63
No. 40	39
No. 50	35
No. 100	23
No. 200	17
	74

Liquid Limit 21 Date Reported _____
 Plasticity Index 3
 Specific Gravity _____
 Resistance Value 59
 Cover Stabilometer Expansion Pressure
 Thickness 10" % No. 4+ 3"
 HMCT % No. 4- _____ % Sp. Gr. _____
 Max.Dens. _____
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 30 - - -
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 178 ppm
 Chloride _____
 Sulphate _____
 pH Factor 8.8
 HRB Classification A-1-6(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: U.S 395 N Reno

PERT No:

Date: 2-1-84

Station: 324+00 SB CL

Samplers: Zola, Hale, Kern, Banovich

Location from CL:

County: Wash.

Sample No. 41

Sample Type:

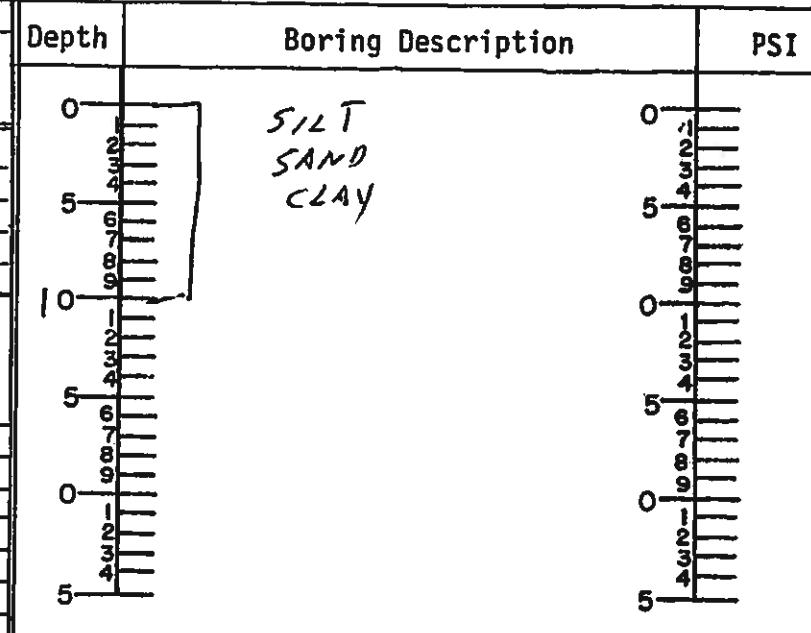
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

THRU OIL
FILL AREA

LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	92	8
No. 10	82	
No. 16		
No. 40	55	
No. 50		
No. 100		
No. 200	34	58

Liquid Limit	27	Date Reported	_____
Plasticity Index	11		
Specific Gravity			
Resistance Value			
Cover	Stabilometer	Expansion Pressure	
Thickness			
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density	- - -		
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO ₃ & HCO ₃			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-6(0)		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 2-1-84

Samplers: ZOLA, NALE, KERN, Bannwick

Job Description: U.S. 395 N. RENO

Station: 319700 SB CL

Location from CL:

County: WA

Sample No. 42

Sample Type:

RV Sub Chem DC Other

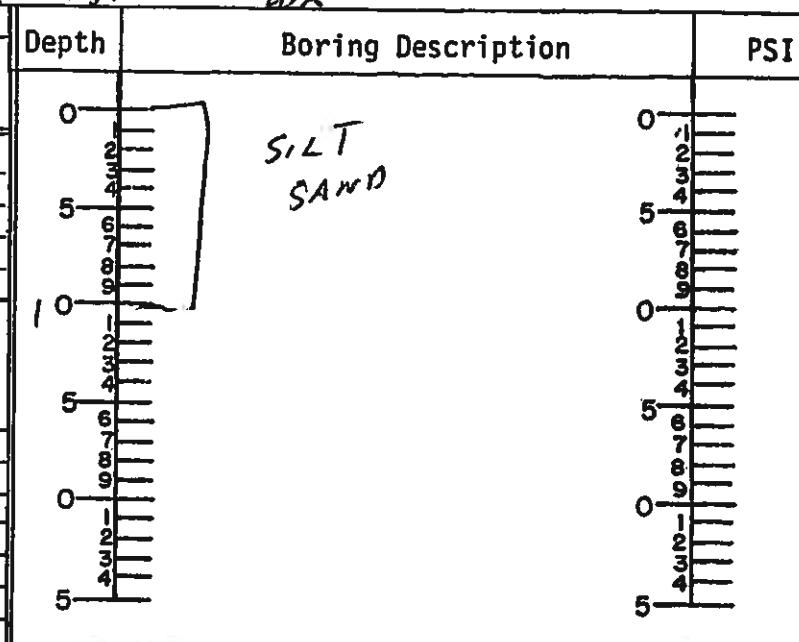
Description of Terrain: ROLLING

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	94
No. 10	83
No. 16	
No. 40	53
No. 50	
No. 100	
No. 200	29
	65

Liquid Limit	24	Date Reported	_____
Plasticity Index	8		
Specific Gravity			
Resistance Value			
Cover Thickness		Stabilometer	Expansion Pressure
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-2-4(0)		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 2-1-84

Samplers: Zola, Kern, Bawicut, Shaver

Job Description: US 395 RENO

Station: X5 314

Location from CL: CL

County: Lassen

Sample No. 43

Sample Type:

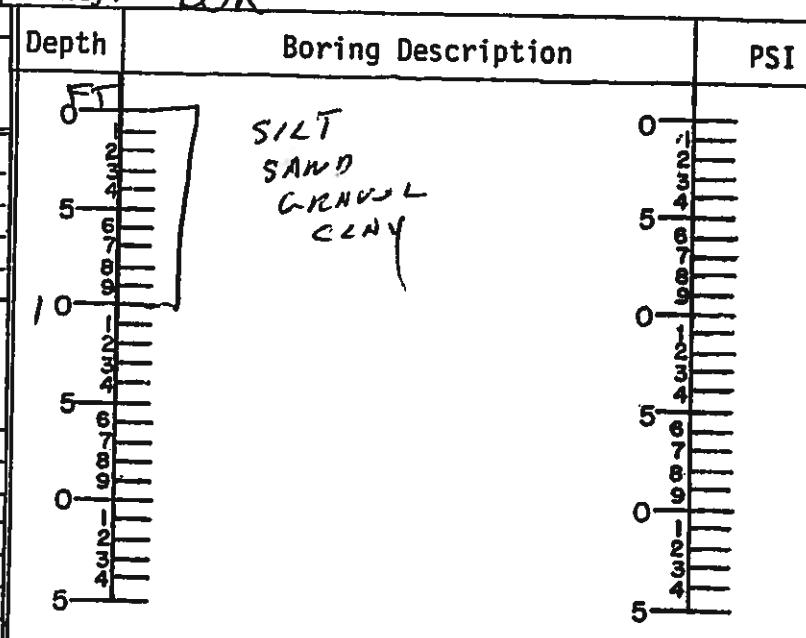
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THEM OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	93
No. 10	83
No. 16	
No. 40	52
No. 50	
No. 100	
No. 200	30 63

Liquid Limit 28 Date Reported _____
 Plasticity Index 15
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____ % No. 4+ _____ % No. 4+ _____
 HMCT % No. 4- _____ Max. Dens. _____ Sp. Gr. _____
 Opt. Moist. _____
 Calculated Max. Density _____
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6(1)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 2-1-84

Samplers: ZOLA, HALE, BANDVICH, KEEW

Sample No. 44

Sample Type:

RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

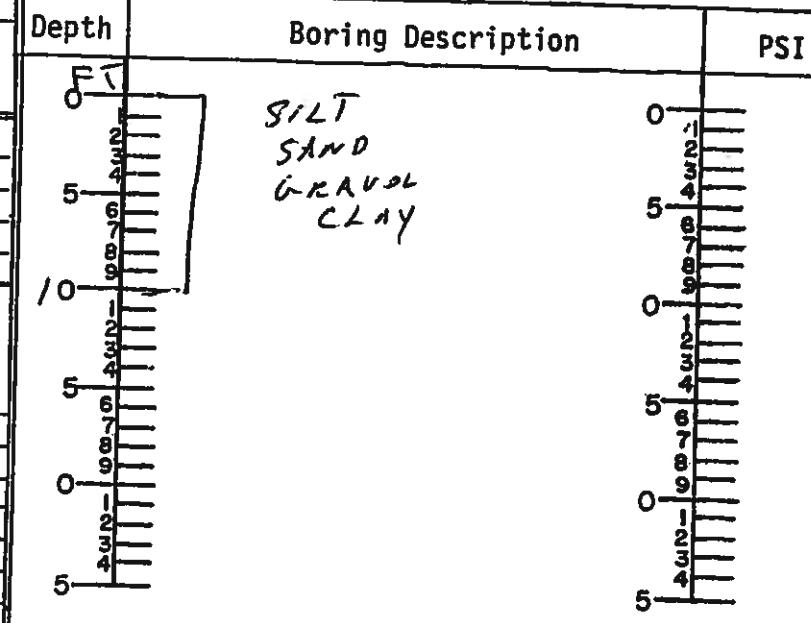
Remarks: Trees oil

Job Description: US 395 Rendo

Station: XS 309 ~

Location from CL: 0

County: WIA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	90
No. 10	73
No. 16	
No. 40	51
No. 50	
No. 100	
No. 200	30 60

Liquid Limit	26	Date Reported	_____
Plasticity Index	8		
Specific Gravity			
Resistance Value			
Cover Thickness		Stabilometer	Expansion Pressure
HMCT % No. 4-			
Max.Dens.			% No. 4+
Opt.Moist.			Sp.Gr.
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical			Parts Per Million
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			

pH Factor

HRB Classification A-2-4(0)

Remarks: _____

Lab No. RV 287-84
C 382-84

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 2-1-84

Samplers:

Job Description: US 395 Reno

Station: X5 304 ~

Location from CL: 4

County: WA

Sample No. 45

Sample Type:

RV Sub Chem DC Other

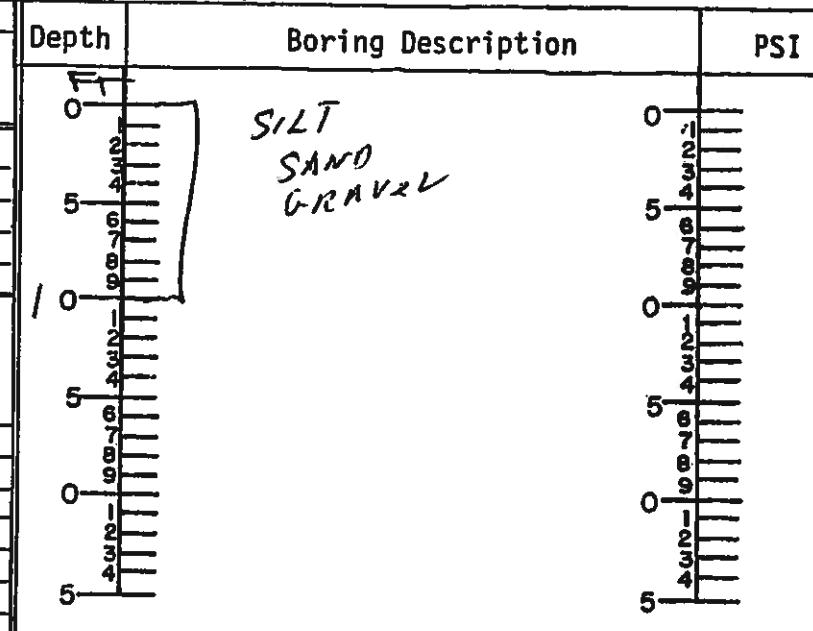
Description of Terrain: ROLLING

Vegetation:

Trees Shrubs Grassy
 Brushy

Remarks: THRU OIL

CUT AREA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	99
1/2"	97
3/8"	85
No. 4	91
No. 10	76
No. 16	63
No. 40	41
No. 50	36
No. 100	27
No. 200	20
	71

Liquid Limit 23 Date Reported _____
 Plasticity Index 7
 Specific Gravity _____
 Resistance Value 27
 Cover Stabilometer Expansion Pressure
 Thickness 19 1/2 % No. 4+ 2
 HMCT % No. 4- _____ Sp. Gr. _____
 Max.Dens. _____
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 21 Parts Per Million
 Natural Moisture % _____
 Soluble Radical _____
 Salt: CO_3 & HCO_3 81 ppm
 Chloride _____
 Sulphate _____
 pH Factor 8.2
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 395 ~~Pend~~

PERT No:

Date: 2-1-84

Station: XS 299 ~

Samplers: ZOLA, KERI, NALE, BANOVICH

Location from CL: 4

Sample No. 46

County: WA

Sample Type:

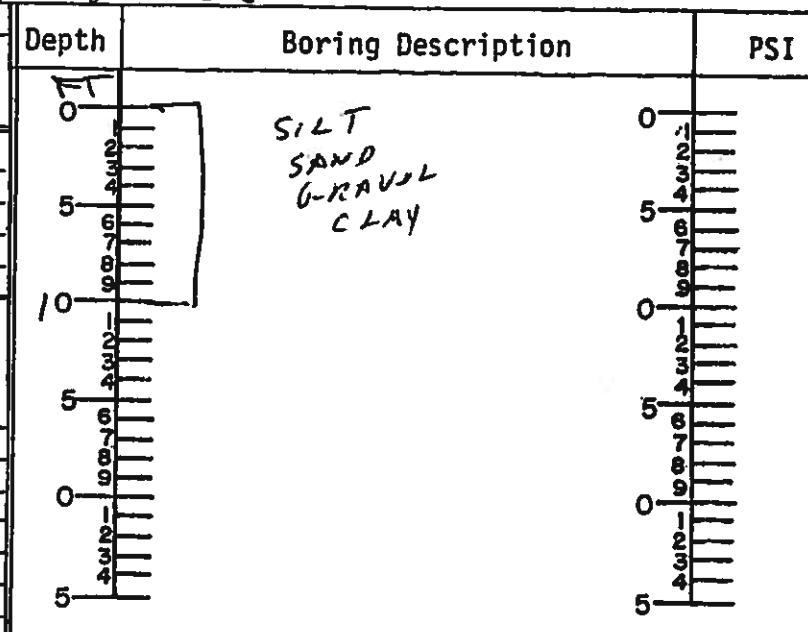
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: Thru oil



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	99
1/2"	
3/8"	
No. 4	75 25
No. 10	57
No. 16	
No. 40	26
No. 50	
No. 100	
No. 200	8 67

Liquid Limit	26	Date Reported	_____
Plasticity Index	6		
Specific Gravity			
Resistance Value			
Cover	Stabilometer	Expansion Pressure	
Thickness			
HMCT % No. 4-		% No. 4+	
Max. Dens.		Sp. Gr.	
Opt. Moist.			
Calculated Max. Density	- - -		
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			
pH Factor			
HRB Classification	4-1-b(0)		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 395 Revo

PERT No:

Date:

Samplers: ZOLA, KERN, HALE, BROVICH

Station: X 3294 ~

Location from CL: 4

County: WA

Sample No. 27

Sample Type:

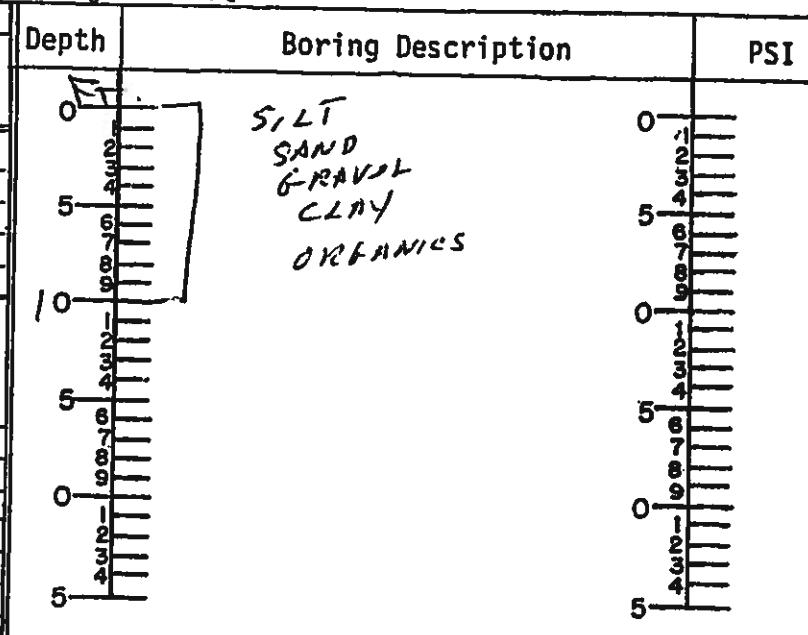
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THRU OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	90
No. 10	79
No. 16	
No. 40	50
No. 50	
No. 100	
No. 200	31
	59

Liquid Limit 24 Date Reported _____
 Plasticity Index 6
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - -
 Sand Equivalent - - -
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71049

Job Description: U.S. 395 N.

ERT No:

Date: 2-1-84

Station: 289+00 SB CL

Samplers: ZEIN-HALE-KERN-BANDVICH

Location from CL:

Sample No. 48

County: LA.

Sample Type:
RV Sub Chem DC Other

Description of Terrain:

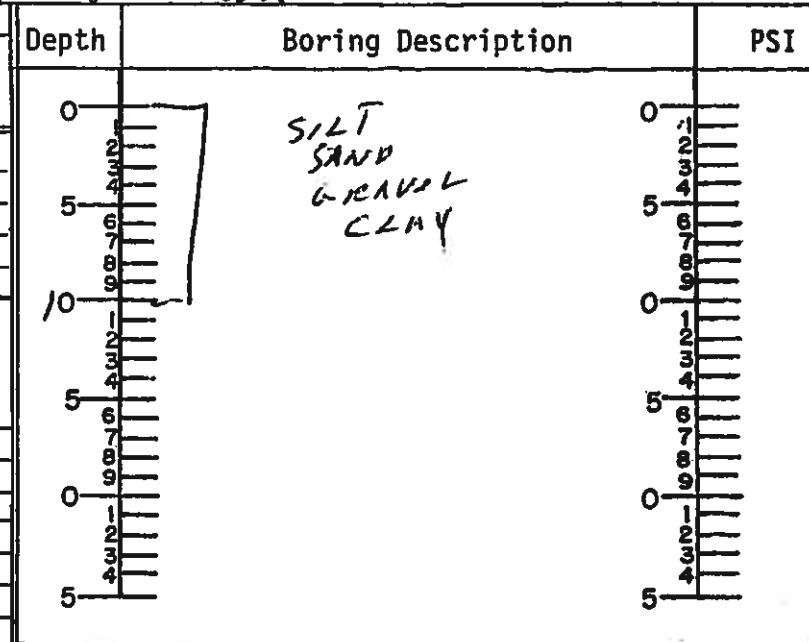
Rolling

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

THRU oil



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	83
No. 10	70
No. 16	
No. 40	43
No. 50	
No. 100	
No. 200	26 57

Date Reported _____

Liquid Limit 24
 Plasticity Index 3
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____ % No. 4+ _____ % No. 4+ _____
 HMCT % No. 4- _____ Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: US 395 Reso

PERT No:

Date: 2-1-84

Samplers: Zola, Keen, Hale, Barovich

Station: XS 284 ~

Location from CL: ♀

County: WA

Sample No. 49

Sample Type:

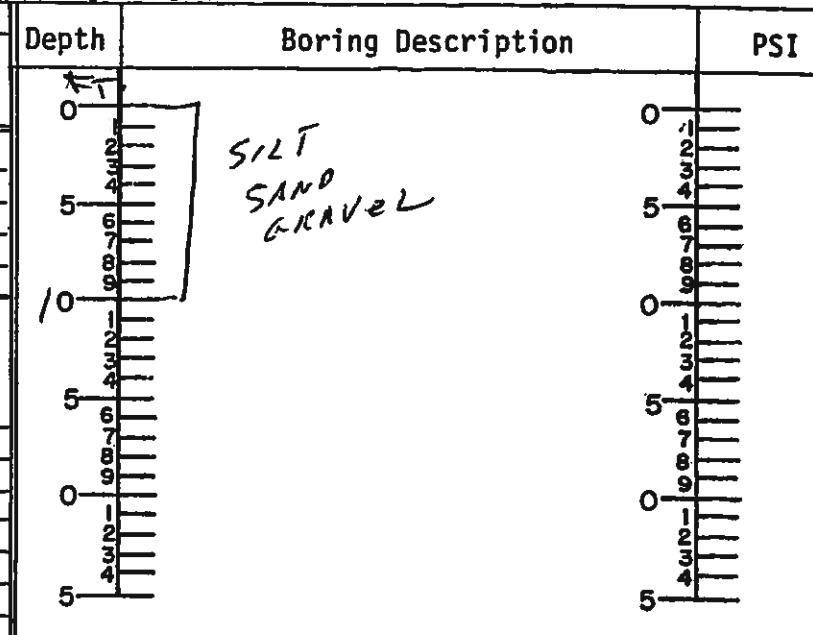
RV Sub Chem DC Other

Description of Terrain: Pollard

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: VITRO OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	79 21
No. 10	54
No. 16	
No. 40	26
No. 50	
No. 100	
No. 200	16 63

Date Reported _____

Liquid Limit 25
 Plasticity Index 4
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 4-1-b(c)

Remarks: _____

Lab No. RV 288-84
C 383-84

LINE SAMPLING DATA (FIELD)

E.A.No: 71099
REF ID: A

PERT No:

Date: 2-1-84

Samplers: ZOLA, HALE, KERN, BAVOVICH

Sample No. 50

Sample Type:

RV Sub Chem DC Other

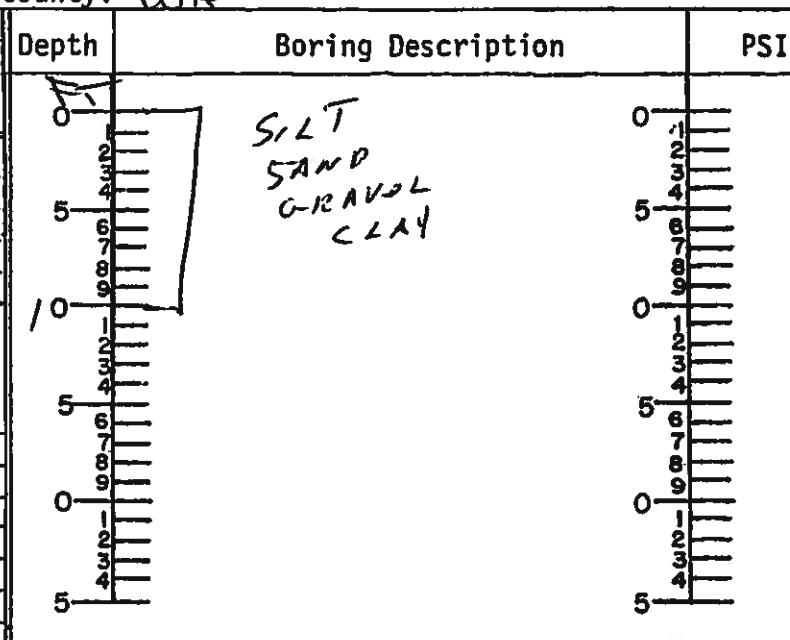
Description of Terrain: Rolling

Vegetation:

Trees
Brushy

Shrubs Grassy

Remarks: ~~Theo~~ 816



LABORATORY ANALYSES

Date Reported

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	96
3/8"	89
No. 4	75 25
No. 10	57
No. 16	47
No. 40	34
No. 50	31
No. 100	27
No. 200	23

Liquid Limit 25
 Plasticity Index 6
 Specific Gravity _____
 Resistance Value 69
 Cover Stabilometer Expansion Pressure
 Thickness 7" 3 1/2
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent 23
 Natural Moisture %
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 138 ppm
 Chloride _____
 Sulphate _____
 pH Factor 8.1
 HRB Classification A-1-6 (C)

Remarks:

Lab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099
 DERT No:
 Date: 2-1-84
 Samplers:

Job Description: US 395 REVO
 Station: XS 274 ~
 Location from CL: 4
 County: WA

Sample No. 51

Sample Type:

RV Sub Chem DC Other

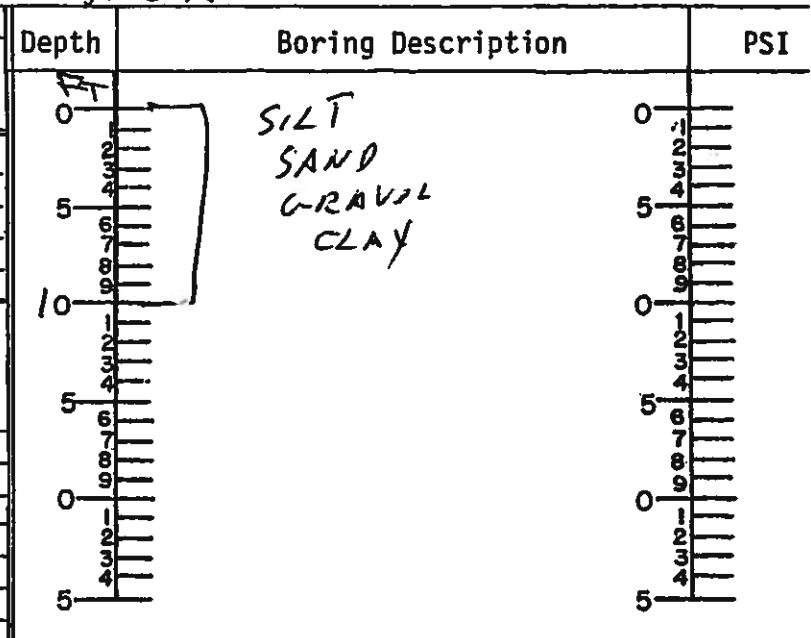
Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: THRU OIL

FILL AREA



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	79	21
No. 10	68	
No. 16		
No. 40	49	
No. 50		
No. 100		
No. 200	31	48

Liquid Limit 24
 Plasticity Index 5
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

Job Description: US 395 REUD

ERT No:

Date: 2-1-84

Samplers: ZOLA, KERN, HALE, BANOVICH

Station: XS 269 ~

Location from CL: E

County: WA

Sample No. 52

Sample Type:

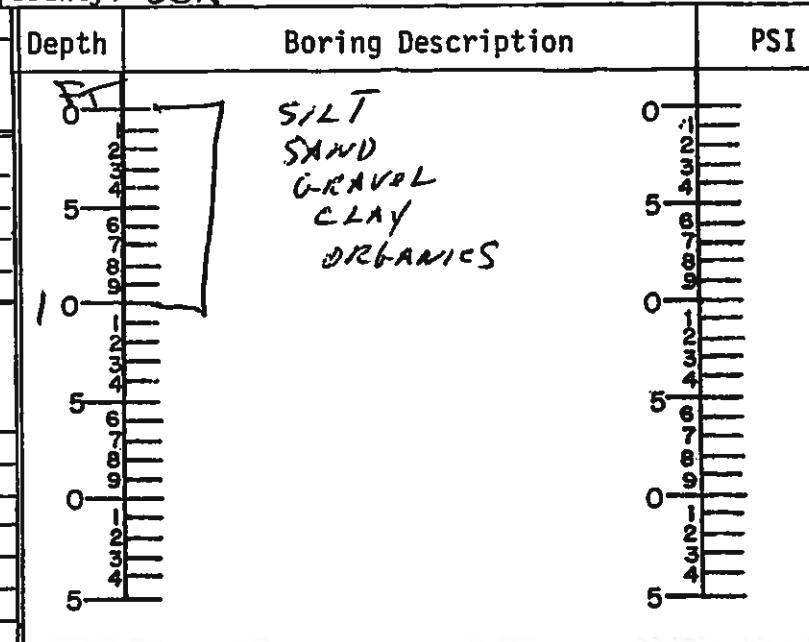
RV Sub Chem DC Other

Description of Terrain: Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: NEW OIL



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	96
1/2"	
3/8"	
No. 4	77 23
No. 10	66
No. 16	
No. 40	45
No. 50	
No. 100	
No. 200	30 47

Date Reported _____

Liquid Limit 24
 Plasticity Index 9
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+ _____
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. RV-289-84
C 384-84

LINE SAMPLING DATA (FIELD)

Lab No.: <u>71099</u>	Job Description: US 395 REWD
ERT No:	Station: X S 264 ~
Date: <u>2-1-84</u>	Location from CL: <u>C</u>
Samplers: <u>ZOLAN, KEEN, HALE, BANDUCH</u>	County: <u>WA</u>
Sample No. <u>53</u>	
Sample Type: RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	
Description of Terrain: <u>Rolling</u>	
Vegetation: Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input type="checkbox"/> Brushy <input type="checkbox"/>	
Remarks: <u>THRU OIL</u>	

LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	99
1/2"	97
3/8"	94
No. 4	84 16
No. 10	70
No. 16	61
No. 40	46
No. 50	41
No. 100	34
No. 200	29 55

Liquid Limit 33
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value 32
 Cover Stabilometer Expansion Pressure
 Thickness 18 1/2 15 1/2
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist.
 Calculated Max. Density - - - - -
 Sand Equivalent 16
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 229
 Chloride _____
 Sulphate _____
 pH Factor 8.2
 HRB Classification A-2-4 (0)

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV 452-84 C 692-84

Job No.: 71099	Job Description: 4,5,395, Penn W - 4 Lemmen Valley	
ERT No:	Station: "RGY" 14+00	
Date: 5-21-84	Location from CL: 8	
Samplers: Ramsey, Karr, Fisher	County: Wm Co.	
Sample No. 54		
Sample Type: RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input checked="" type="checkbox"/>		
Description of Terrain: Fence to Lt. R. low area.		
Vegetation: Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input checked="" type="checkbox"/> Brushy <input checked="" type="checkbox"/>		
Remarks:		
	Depth	Boring Description
	0	
	1	
	2	
	3	
	4	
	5	
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ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71C99
 ERT No:
 Date: 5-21-84
 samplers: Frenney, Fletcher

Job Description: U.S. 395, P. 114 - to
 Laramie Valley
 Station: "164" 19 + 00
 Location from CL: 20 ft. E
 County: 1/2,

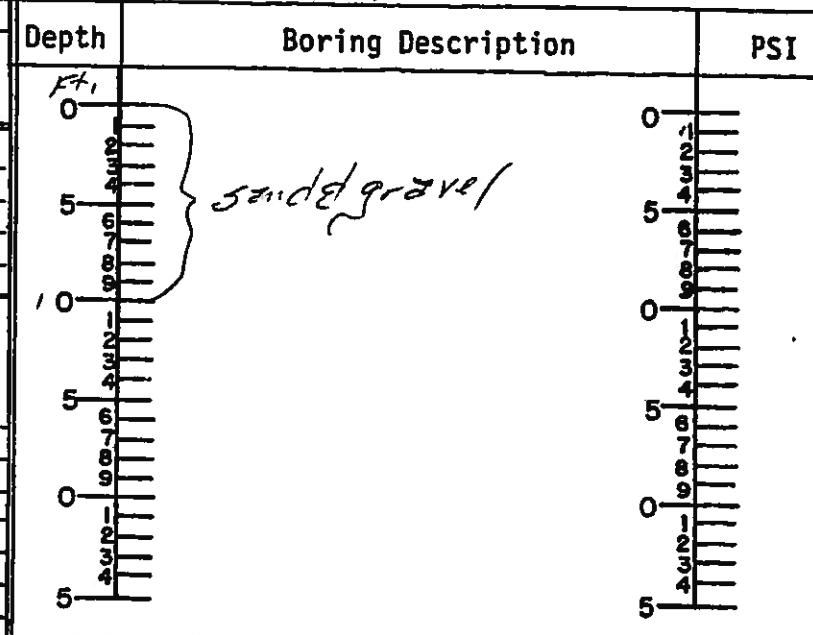
Sample No. 53

Sample Type: RV Sub Chem DC Other

Description of Terrain: Toe of small hillside

Vegetation:
 Trees
 Brushy Shrubs Grassy

Remarks: _____



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	82	18
No. 10	60	
No. 16		
No. 40	29	
No. 50		
No. 100		
No. 200	18	64

Liquid Limit 21
 Plasticity Index NP
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical _____ Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-1-6(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No:	71099	Job Description:	U.S. 395, Ponelus - 6 Lemmon Valley
PERT No:		Station:	"RG" 24+60
Date:	5-21-84	Location from CL:	E
Samplers:	Ramsey, Fisher	County:	WZ.
Sample No.	56		
Sample Type:	Sub <input checked="" type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	Depth	Boring Description
Description of Terrain:	stream just behind the line	ft.	PSI
Vegetation:	Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input checked="" type="checkbox"/>	0	0
Remarks:		1	1
		2	2
		3	3
		4	4
		5	5
		6	6
		7	7
		8	8
		9	9
		10	0
		11	1
		12	2
		13	3
		14	4
		15	5
		16	6
		17	7
		18	8
		19	9
		20	0
		21	1
		22	2
		23	3
		24	4
		25	5
		26	6
		27	7
		28	8
		29	9
		30	0
		31	1
		32	2
		33	3
		34	4
		35	5
		36	6
		37	7
		38	8
		39	9
		40	0
		41	1
		42	2
		43	3
		44	4
		45	5
		46	6
		47	7
		48	8
		49	9
		50	0
		51	1
		52	2
		53	3
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		55	5
		56	6
		57	7
		58	8
		59	9
		60	0
		61	1
		62	2
		63	3
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		65	5
		66	6
		67	7
		68	8
		69	9
		70	0
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		90	0
		91	1
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		99	9
		100	0
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		140	0
		141	1
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		150	0
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		168	8
		169	9
		170	0
		171	1
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		398	8
		399	9
		400	0
		401	1
		402	2
		403	3
		404	4
		405	5
		406	6
		407	7
		408	8
		409	9
		410	0

Lab No.

LINE SAMPLING DATA (FIELD)

RV 453-84 C693-84

E.A.No: 71099

PERT No:

Date: BAWWICH - STENZ - RAMSEY

Samplers: 5-17-84

Job Description: STEND

Station: RG #D +00

Location from CL: E

County: H/2

Sample No. #57

Sample Type:

RV Sub Chem DC Other

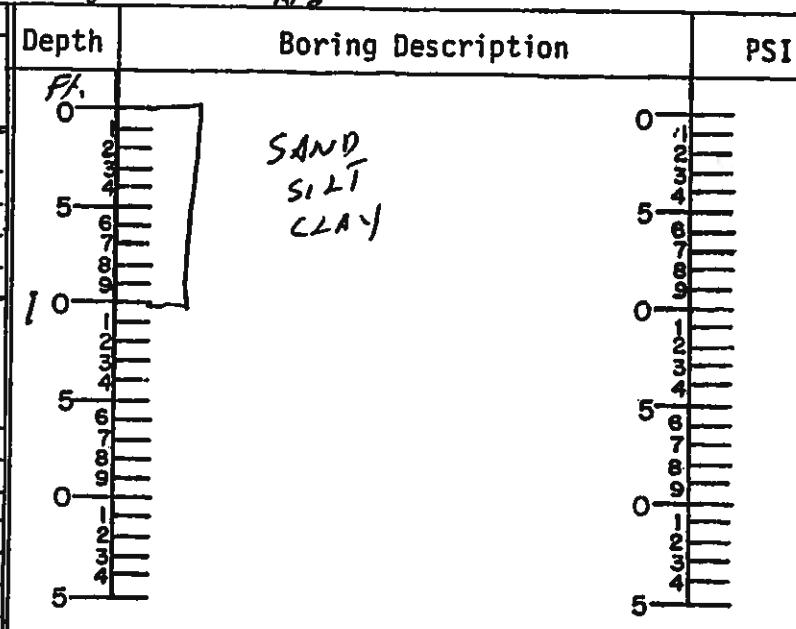
Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

DRILLED IN DRAINAGE AREA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	97 3
No. 10	91
No. 16	85
No. 40	69
No. 50	63
No. 100	52
No. 200	42 55

Liquid Limit	26	Date Reported
Plasticity Index	6	
Specific Gravity		
Resistance Value	26	
Cover Thickness	20"	Expansion Pressure
HMCT % No. 4-		11"
Max.Dens.		% No. 4+
Opt.Moist.		Sp.Gr.
Calculated Max. Density		
Sand Equivalent	14	
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO ₃ & HCO ₃		76
Chloride		
Sulphate		
pH Factor	7.7	
HRB Classification	A-4 (1)	

Remarks:

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

Job Description: STP RD

PERT No:

Date: 5-17-84

Station: R6#1 5700

Samplers: Denrich, Stenz, Ramsey

Location from CL: S

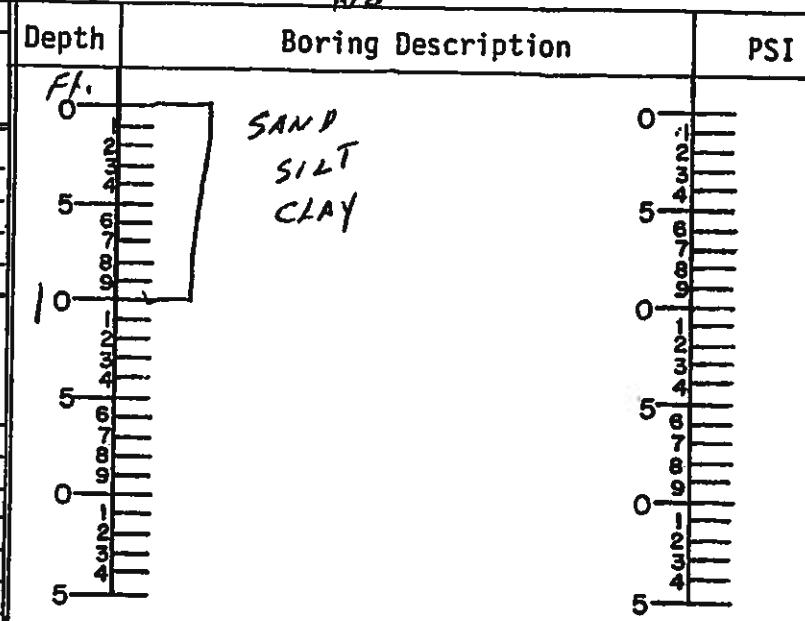
Sample No. # 58

County: H/2

Sample Type:

RV Sub Chem DC Other

Description of Terrain: _____



Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: DRILLED IN DRAINAGE AREA

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	
3/8"	
No. 4	95 5
No. 10	85
No. 16	
No. 40	61
No. 50	
No. 100	
No. 200	39 56

LABORATORY ANALYSES

Liquid Limit	30	Date Reported	_____
Plasticity Index	11		
Specific Gravity			
Resistance Value			
Cover	Stabilometer	Expansion Pressure	
Thickness			
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density	- - -		
Sand Equivalent	- - -		
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO ₃ & HCO ₃			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-6 (1)		

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV454-84 C694-84

E.A.No:	71099	Job Description:	115,395, P.M. Shallow Lemmon Valley
PERT No:		Station:	R61 10+00
Date:	5-17-84	Location from CL:	8
Samplers:	Bzovicky, Faussey, Stenz	County:	WY

Sample No. #59

Sample Type:

RV Sub Chem DC Other

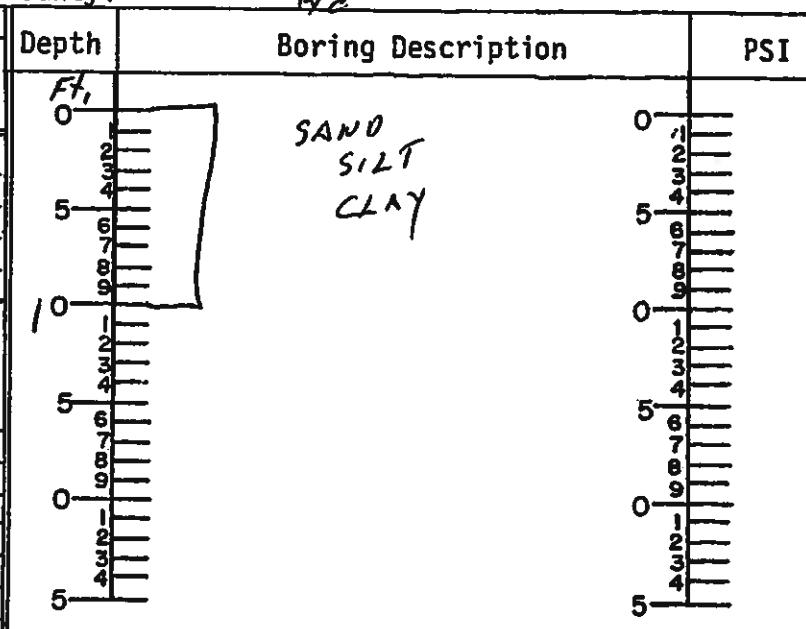
Description of Terrain:

Rolling

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	97
No. 10	91
No. 16	85
No. 40	71
No. 50	66
No. 100	58
No. 200	50
	47

Liquid Limit	38	Date Reported
Plasticity Index	12	
Specific Gravity		
Resistance Value	27	
Cover Thickness	19 1/2	Expansion Pressure
HMCT % No. 4-		% No. 4+
Max.Dens.		Sp.Gr.
Opt.Moist.		
Calculated Max. Density		
Sand Equivalent	14	
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO_3 & HCO_3		136.8
Chloride		
Sulphate		
pH Factor	8.5	
HRB Classification	A-6(4)	

Remarks:

Lab No. _____

LITERATURE DATA (FIELD)

E.A.No: 71099
 PERT No:
 Date: 5-17-84
 Samplers: Donovich, Ramsey, Stene
 Sample No. #60

Job Description: 4,5,399, Paulslee to
 Lemmey Valley
 Station: RG 1 15+00
 Location from CL: Q
 County: W.C.

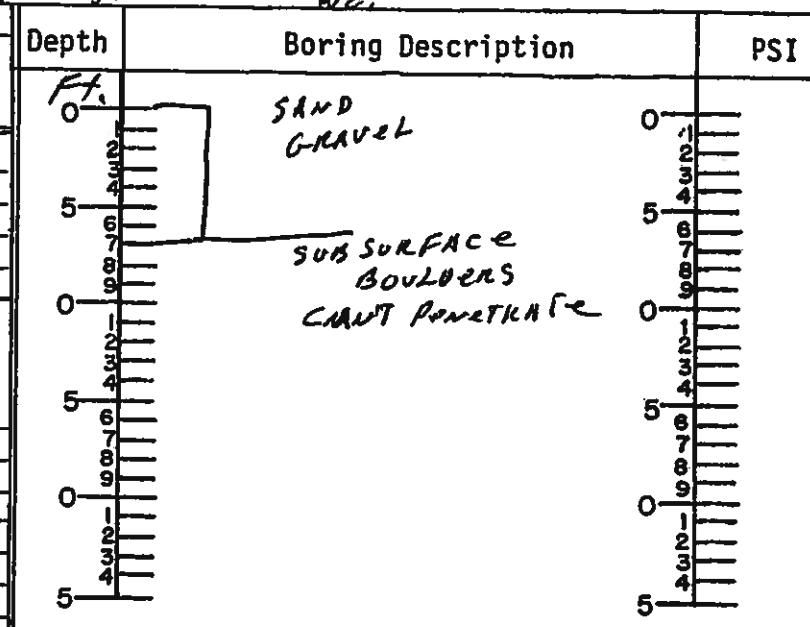
Sample Type:
 RV Sub Chem DC Other

Description of Terrain: _____

Vegetation:

Trees Shrubs Grassy
 Brushy

Remarks: _____



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	96
1/2"	
3/8"	
No. 4	64 -36
No. 10	48
No. 16	
No. 40	25
No. 50	
No. 100	
No. 200	15 49

Date Reported _____

Liquid Limit 27
 Plasticity Index 9
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+ _____
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 4-2-4(0)

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV-455-84 C695-84

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher - Banovich - Ramsey

Job Description: Golden Valley

Station: RG1 20700

Location from CL: ✓

County: WA.

Sample No. 61

Sample Type:

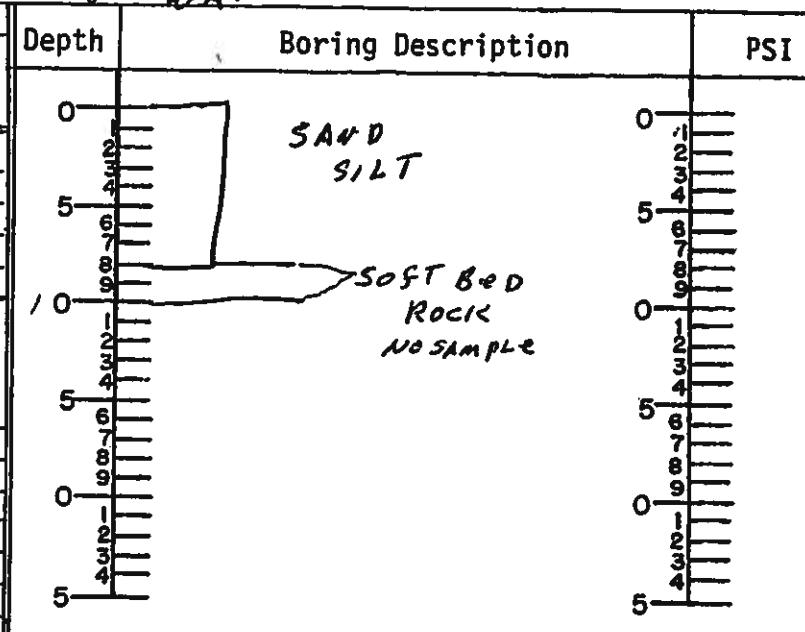
RV Sub Chem DC Other

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	98
1/2"	97
3/8"	96
No. 4	93
No. 10	76
No. 16	62
No. 40	39
No. 50	34
No. 100	26
No. 200	20
	73

Liquid Limit	25	Date Reported
Plasticity Index	6	
Specific Gravity		
Resistance Value	53	
Cover Thickness	1 1/2	Expansion Pressure
HMCT % No. 4-		% No. 4+
Max.Dens.		Sp.Gr.
Opt.Moist.		
Calculated Max. Density		
Sand Equivalent	29	
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO ₃ & HCO ₃		42.2
Chloride		
Sulphate		
pH Factor	7.7	
HRB Classification	A-1-60	

Remarks:

Lab No.

LINE SAMPLING DATA (FIELD)

RV 456-84 C 696-84

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher - Barovich - Phassey

Sample No. 62

Sample Type:

RV Sub Chem DC Other

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

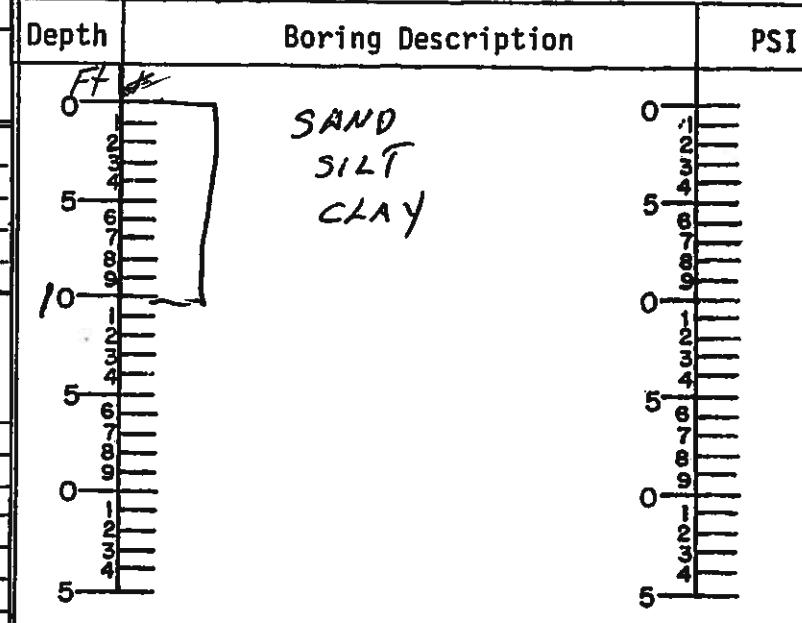
Remarks:

Job Description: GOLDEN VALLEY

Station: RG 2 3700

Location from CL: SE

County: WA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	99
3/8"	98
No. 4	94 6
No. 10	83
No. 16	74
No. 40	56
No. 50	51
No. 100	41
No. 200	32 62

Liquid Limit 26 Date Reported _____
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value 22
 Cover Stabilometer Expansion Pressure
 Thickness 2 1/2 13
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 15
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 1.58
 Chloride _____
 Sulphate _____
 pH Factor 8.2
 HRB Classification 2-2-4-(0)

Remarks:

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher - Banovich - Ramsey

Job Description: Golden Valley

Station: R6-2 8700

Location from CL: 2

County: Wt.

Sample No. 63

Sample Type:

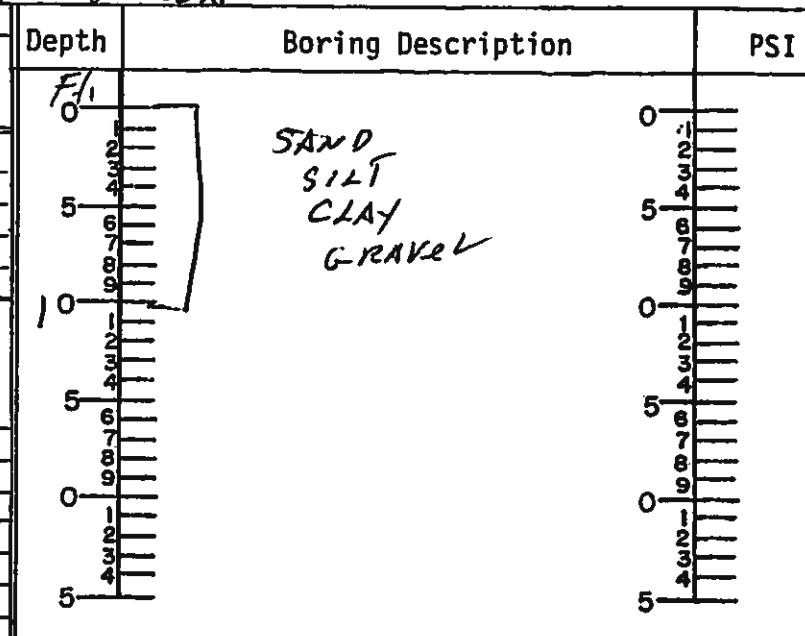
RV Sub Chem DC Other

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	95	
1/2"		
3/8"		
No. 4	89	11
No. 10	80	
No. 16		
No. 40	54	
No. 50		
No. 100		
No. 200	31	58

Date Reported _____

Liquid Limit 25
 Plasticity Index 11
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+ _____
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-(0)

Remarks:

Lab No.

LINE SAMPLING DATA (FIELD)

RV 457-84 C 697-84

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: FISHER-BANOVICH - RAMSEY

Sample No. 64

Sample Type:

RV Sub Chem DC Other

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

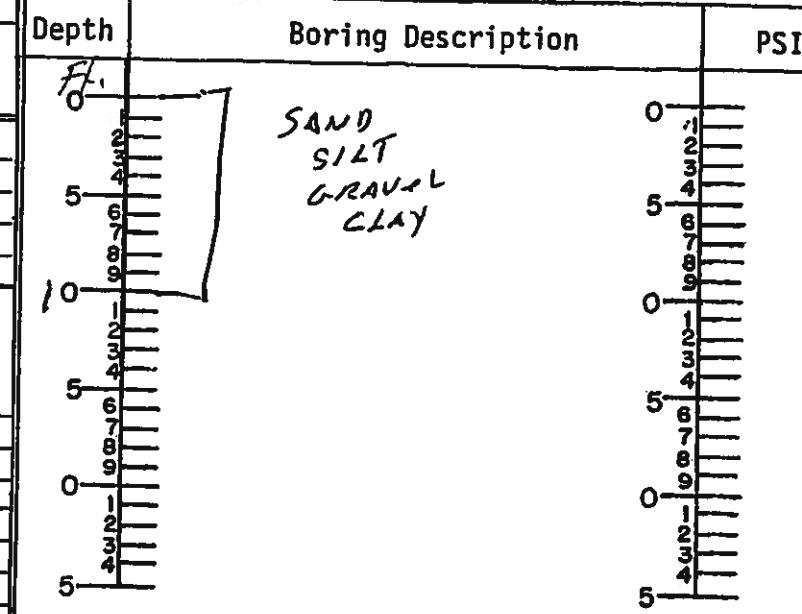
Remarks:

Job Description: GOLDEN VALLEY

Station: RG2 13+00

Location from CL: E

County: WA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	98
3/8"	97
No. 4	91 9
No. 10	75
No. 16	63
No. 40	41
No. 50	37
No. 100	28
No. 200	22 69

Liquid Limit 26 Date Reported _____
 Plasticity Index 9
 Specific Gravity _____
 Resistance Value 12
 Cover Stabilometer Expansion Pressure
 Thickness 24/2
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent 23
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 100.8
 Chloride _____
 Sulphate _____
 pH Factor 7.7
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099	Job Description: GOLDEN VALLEY
PERT No:	
Date: 5-18-84	Station: RL 2 18+00
Samplers: Fisher - Barovich - Ramsey	Location from CL: 0
Sample No. 65	County: W.D.
Sample Type: RV <input type="checkbox"/> Sub <input checked="" type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	
Description of Terrain: _____ _____ _____	
Vegetation: Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input checked="" type="checkbox"/> Brushy <input checked="" type="checkbox"/>	
Remarks: _____ _____ _____	

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20 10
22 11
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28 14
30 15
32 16
34 17
36 18
38 19
40 20
42 21
44 22
46 23
48 24
50 25

SILT
SAND
CLAY

LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	87	13
No. 10	76	
No. 16		
No. 40	49	
No. 50		
No. 100		
No. 200	29	58

Liquid Limit	31	Date Reported
Plasticity Index	14	
Specific Gravity		
Resistance Value		
Cover	Stabilometer	Expansion Pressure
Thickness		
HMCT % No. 4-		% No. 4+
Max.Dens.		Sp.Gr.
Opt.Moist.		
Calculated Max. Density	- - -	- - -
Sand Equivalent		
Natural Moisture %		
Soluble Radical		Parts Per Million
Salt: CO_3 & HCO_3		
Chloride		
Sulphate		
pH Factor		
HRB Classification	A-2-6(1)	

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV458-84 C 698-84E.A.No: 71099

PERT No:

Date: 5-18-84Samplers: Fisher - Hanovich - RamseySample No. 66

Sample Type:

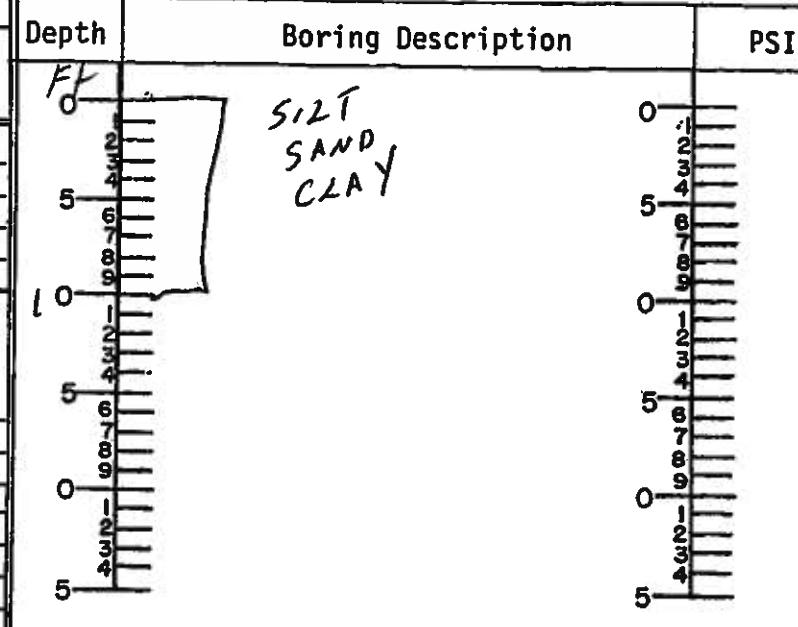
RV Sub Chem DC Other

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: GOLDEN VALLEYStation: R63 2700Location from CL: ECounty: WA

LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"		
1/2"		
3/8"	100	
No. 4	99	1
No. 10	88	
No. 16	77	
No. 40	56	
No. 50	51	
No. 100	42	
No. 200	32	67

Liquid Limit	<u>23</u>	Date Reported	<u>_____</u>
Plasticity Index	<u>5</u>		
Specific Gravity			
Resistance Value	<u>26</u>		
Cover Thickness	<u>20"</u>	Expansion Pressure	<u>4 1/2</u>
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent	<u>22</u>		
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3		<u>112</u>	
Chloride			
Sulphate			
pH Factor	<u>8.5</u>		
HRB Classification	<u>A-2-4(0)</u>		

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher-BANDVICH-RAMSEY

Sample No. 67

Sample Type:

RV Sub Chem DC Other

Description of Terrain: _____

Vegetation:

Trees Shrubs Grassy
Brushy

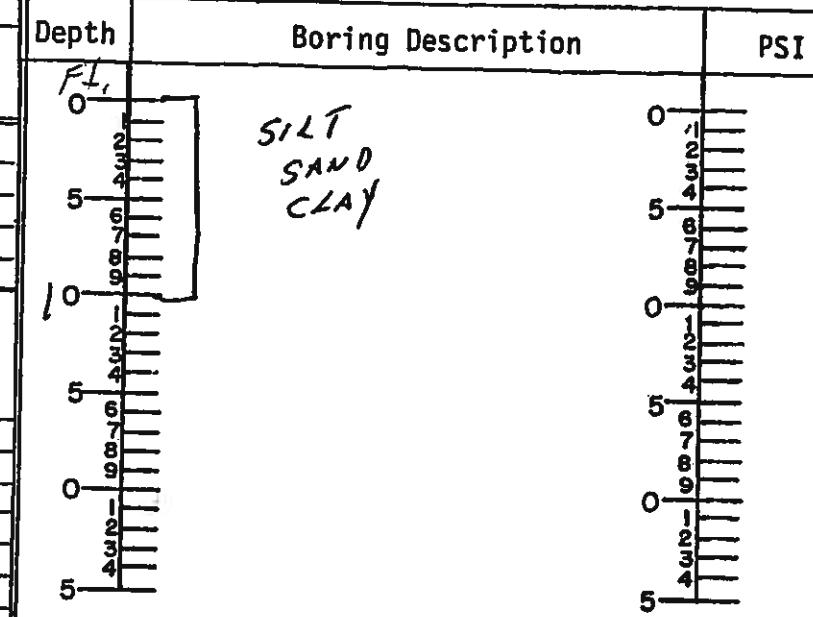
Remarks: _____

Job Description: GOLDEN VALLEY

Station: RL 3 7400

Location from CL: 30' RT.

County: WIA



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	94	6
No. 10	84	
No. 16		
No. 40	56	
No. 50		
No. 100		
No. 200	29	65

Liquid Limit	25	Date Reported	_____
Plasticity Index	10		
Specific Gravity			
Resistance Value			
Cover	Stabilometer	Expansion Pressure	
Thickness			
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO ₃ & HCO ₃			
Chloride			
Sulphate			
pH Factor			
HRB Classification	A-2-4(0)		

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV 459-84 C 699-84

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher-Bancroft-Ramsey

Sample No. 68

Sample Type:

RV Sub Chem DC Other

Job Description: Golden Valley

Station: RG 3 12+00

Location from CL: 2

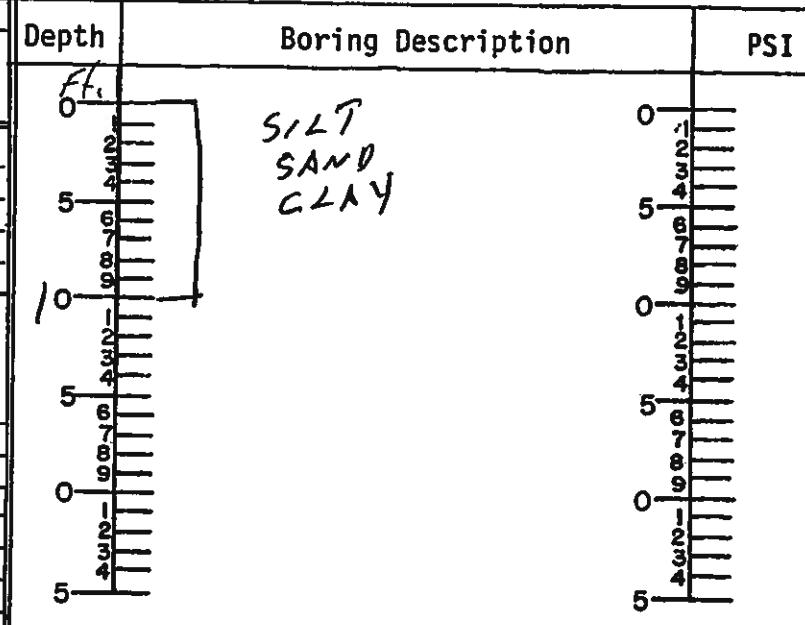
County: W.A

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks: DRILLED IN DRAINAGE AREA



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	98
1/2"	96
3/8"	95
No. 4	90 10
No. 10	80
No. 16	71
No. 40	53
No. 50	48
No. 100	38
No. 200	30 60

Liquid Limit 26 Date Reported _____
 Plasticity Index 5
 Specific Gravity _____
 Resistance Value 28
 Cover Stabilometer Expansion Pressure
 Thickness 19 1/2 % No. 4+ 12 1/2
 HMCT % No. 4- Max.Dens. _____
 Opt.Moist. Sp.Gr. _____
 Calculated Max. Density - - - - -
 Sand Equivalent 16
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 199
 Chloride _____
 Sulphate _____
 pH Factor 8.3
 HRB Classification A-2-4(0)

Remarks:

LINE SAMPLING DATA (FIELD)

Lab No.

RV 460-84 C 700-84

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher-Banovich-Ramsey

Sample No. 69

Sample Type:

RV Sub Chem DC Other

Job Description: Golden Valley

Station: G.V. 1700

Location from CL: 10' RT.

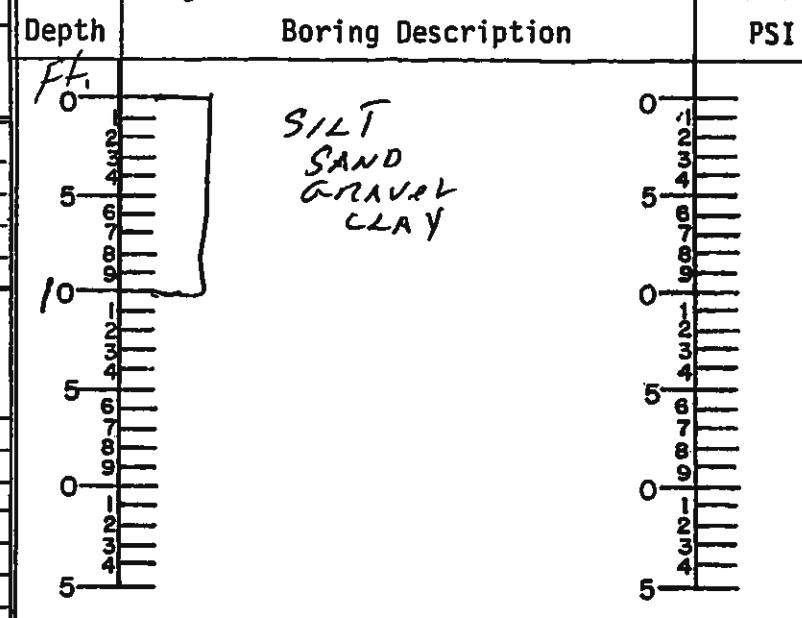
County: WIA

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	97
1/2"	94
3/8"	91
No. 4	84 16
No. 10	73
No. 16	65
No. 40	49
No. 50	44
No. 100	36
No. 200	30 54

Liquid Limit 28
 Plasticity Index 5
 Specific Gravity _____
 Resistance Value 16
 Cover Stabilometer Expansion Pressure
 Thickness 9 1/2 $5\frac{1}{2}$ "
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent 23
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 208
 Chloride _____
 Sulphate _____
 pH Factor 8.3
 HRB Classification 4-2-4(0)

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV 461-84 C 701-84

E.A.No: 71099

PERT No:

Date: 5-18-84

Samplers: Fisher-Banovich-Ramsey

Job Description: GOLDEN VALLEY

Station: G.V. 9+00

Location from CL: 20' LT.

County: WA.

Sample No. 70

Sample Type:

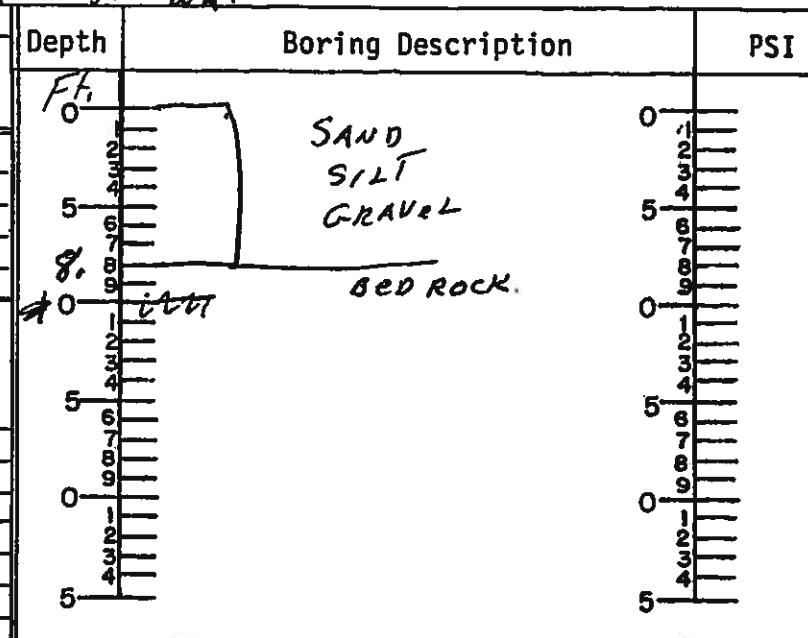
RV Sub Chem DC Other

Description of Terrain:

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:



LABORATORY ANALYSES

Date Reported _____

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	97
1/2"	96
3/8"	93
No. 4	82 18
No. 10	66
No. 16	55
No. 40	37
No. 50	32
No. 100	24
No. 200	19 63

Liquid Limit 23
 Plasticity Index 5
 Specific Gravity _____
 Resistance Value 60
 Cover Stabilometer Expansion Pressure
 Thickness 9 1/2 4"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist.
 Calculated Max. Density - - - - -
 Sand Equivalent 70
 Natural Moisture %
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 83.2
 Chloride
 Sulphate
 pH Factor 7.9
 HRB Classification A-1-b(0)

Remarks:

Lab No.

LINE SAMPLING DATA (FIELD)

RV-462-84 C 702-84

E.A.No:	71099	Job Description:	L.S. 395, Pen Threado Lemon Valley	
PERT No:		Station:	'PLV.' 2400	
Date:	5-22-84	Location from CL:	2	
Samplers:	Fisher, Ramsey, Kern	County:	Washoe	
Sample No.	71	Depth	Boring Description	PSI
Sample Type:	RV <input checked="" type="checkbox"/> Sub <input type="checkbox"/> Chem <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/>	0		0
Description of Terrain:	Borrow ditch	2		1
Vegetation:	Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grassy <input checked="" type="checkbox"/> Brushy <input checked="" type="checkbox"/>	4		2
Remarks:		5		3
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		340		338

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 5-22-84

Samplers: Fisher, Ramsey, Karm

Sample No. 72

Sample Type:

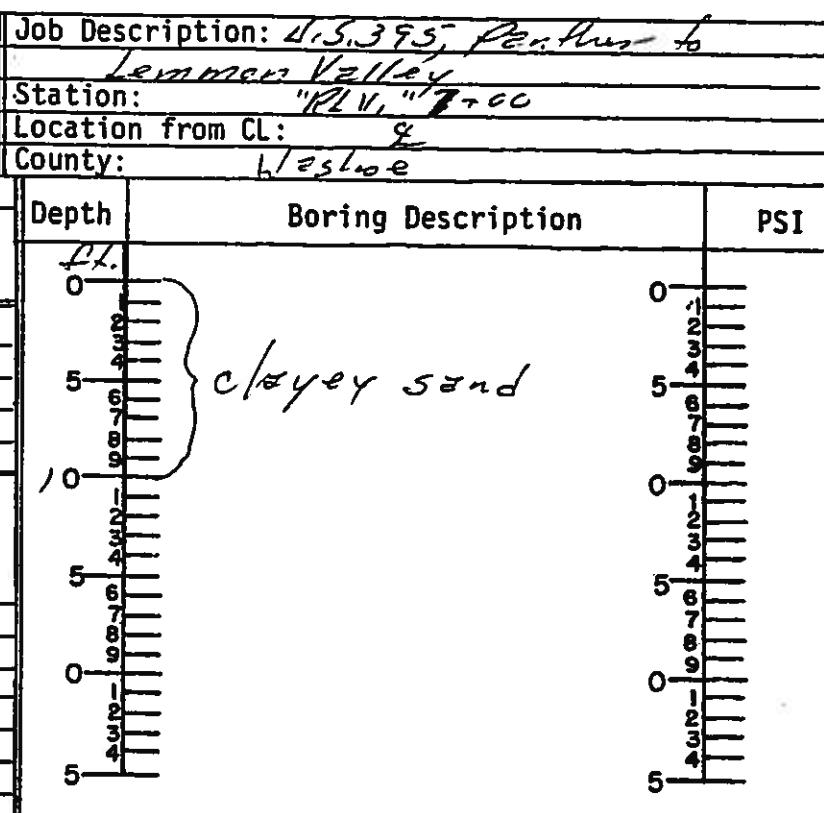
RV Sub Chem DC Other

Description of Terrain: _____

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks: _____



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	96	
1/2"		
3/8"		
No. 4	90	10
No. 10	78	
No. 16		
No. 40	47	
No. 50		
No. 100		
No. 200	24	66

Date Reported _____

Liquid Limit 25
 Plasticity Index 12
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-(c)(d)

Remarks: _____

ab No.

LINE SAMPLING DATA (FIELD)

RV-463-84 C-103-84

A.No: 710 99

ERT No:

ate: 5-22-84

amplers: Fisher, Ramsey, Kern

ample No. 73

ample Type:

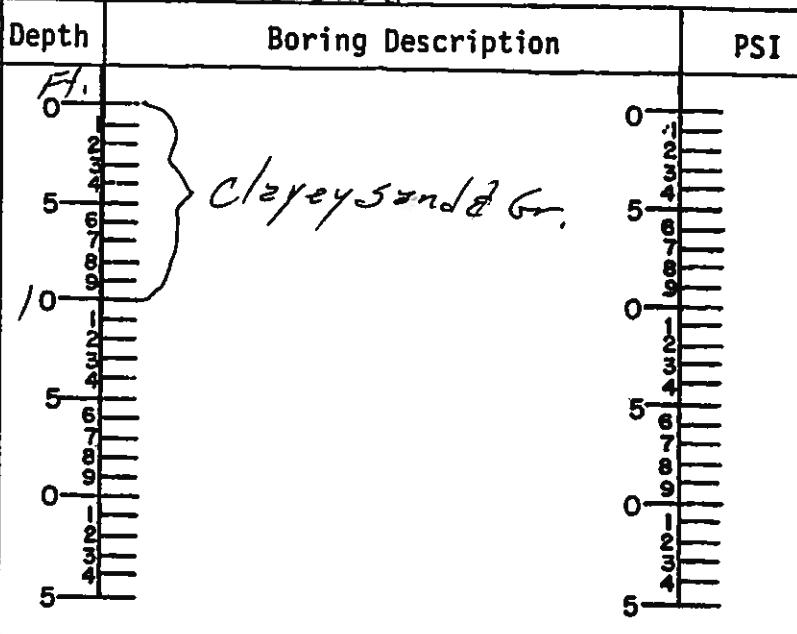
RV Sub Chem DC Other Description of Terrain: Toe of steep
hill, bottom of wash.

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: H.S. 395, Panther to
Lemmon Valley
Station: "RL VI," 1.3 +cs
Location from CL: 8
County: Washoe



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	100
3/4"	95
1/2"	89
3/8"	84
No. 4	78 22
No. 10	67
No. 16	58
No. 40	42
No. 50	38
No. 100	30
No. 200	23 55

Date Reported _____

Liquid Limit 23
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value 14
 Cover Stabilometer Expansion Pressure
 Thickness 24" _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent 20
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 51
 Chloride _____
 Sulphate _____
 pH Factor 7.7
 HRB Classification 4-2-4(0)

Remarks: _____

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

ate: 5-23-84

amplers: Fisher, Kerny Ramsey

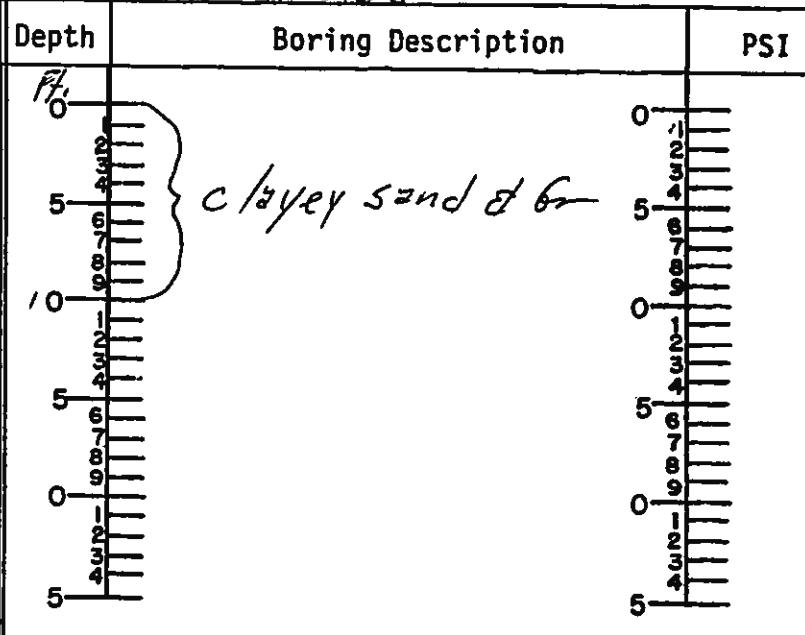
ample No. 74

ample Type:

RV Sub Chem DC Other Description of Terrain: Sand & soil,
 stock pile area, Ridge, shoreline
 parking area.

Vegetation:

Trees Shrubs Grassy
Brushy Remarks: _____

_____Job Description: U.S. 325, Panther to
Lemonay Valley
Station: "RLV" S+00
Location from CL: 0
County: Washoe

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	99
1/2"	
3/8"	
No. 4	83
No. 10	74
No. 16	
No. 40	63
No. 50	
No. 100	
No. 200	43
	40

Date Reported _____

Liquid Limit 29
 Plasticity Index 9
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____ % No. 4+ _____
 HMCT % No. 4- _____ % No. 4+ _____
 Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical _____ Parts Per Million
 Salt: CO₃ & HCO₃ _____
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification 7-4(2)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099
 PERT No:
 Date: 5-23-84
 Samplers: Fisher, Kern, Ramsey

Job Description: U.S. 395 - Perimeter to
 Lemmon Valley
 Station: "RLV" 10+00
 Location from CL: C
 County: Washoe

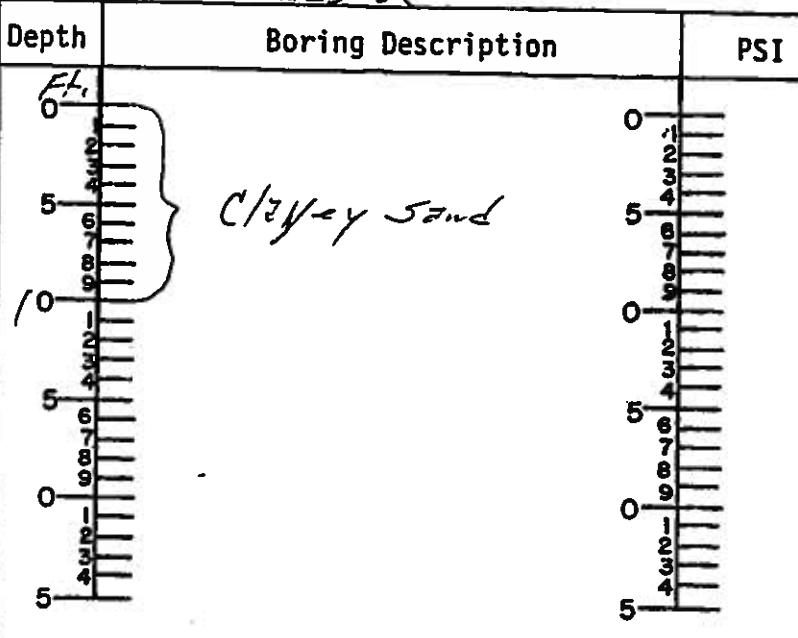
Sample No. 75

Sample Type:
 RV Sub Chem DC Other

Description of Terrain: Top of Boulders

Vegetation:
 Trees
 Brushy Shrubs Grassy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	90	10
No. 10	78	
No. 16		
No. 40	54	
No. 50		
No. 100		
No. 200	33	57

Date Reported _____

Liquid Limit 31
 Plasticity Index 13
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____ % No. 4+ _____ % No. 4+ _____
 HMCT % No. 4- _____ Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ _____ Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-(a)(1)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099

PERT No:

Date: 5-23-84

Samplers: Fisher, Ramsey, Karr

Sample No. 76

Sample Type:

RV Sub Chem DC Other

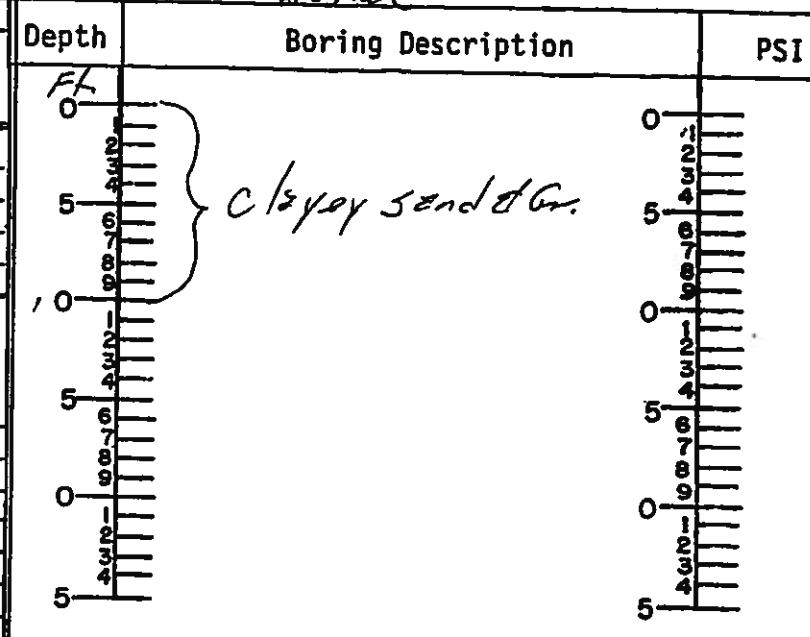
Description of Terrain: Top of 395 feet slope

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: U.S. 395, Panther to
Lemmon Valley
Station: "RLV2" 15400
Location from CL: 8
County: Laramie



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	97	
1/2"		
3/8"		
No. 4	75	25
No. 10	62	
No. 16		
No. 40	44	
No. 50		
No. 100		
No. 200	26	49

Liquid Limit 25 Date Reported _____
 Plasticity Index 7
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

LINE SAMPLING DATA (FIELD)

ab No.

RV 464-84 C 704-84

A.No: 71099

ERT No:

Date: 5-23-84

Samplers: Fisher, Ramsey, Kern

Sample No. 77

Sample Type:

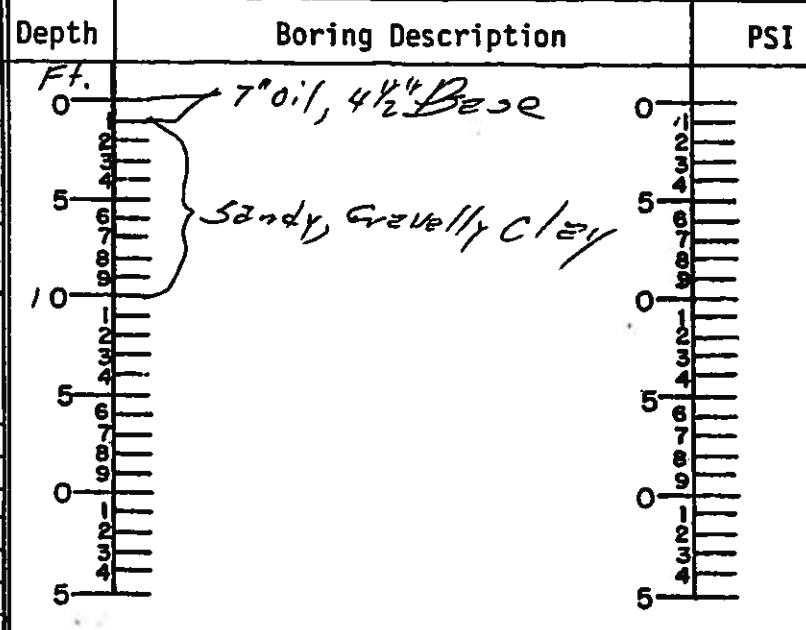
RV Sub Chem DC Other Description of Terrain: Emergency park
Area. Fill

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: U.S. 395, Panther to
Lemon Valley
Station: "RLV" 20+00
Location from CL: 8
County: Lassen



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"	100	
3/4"	97	
1/2"	95	
3/8"	91	
No. 4	82	18
No. 10	72	
No. 16	66	
No. 40	55	
No. 50	52	
No. 100	45	
No. 200	38	44

Date Reported _____

Liquid Limit 29
 Plasticity Index 14
 Specific Gravity _____
 Resistance Value 23
 Cover Stabilometer Expansion Pressure
 Thickness 21" 0
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 10
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3 40
 Chloride _____
 Sulphate _____
 pH Factor 7.2
 HRB Classification A-6(2)

Remarks: _____

LINE SAMPLING DATA (FIELD)

Lab No.

RV465-84 C705-84

A.No.: 71099

ERT No:

Date: 5-22-84

Samplers: Fisher, Ramsey, Kern

Sample No. 78

Sample Type:

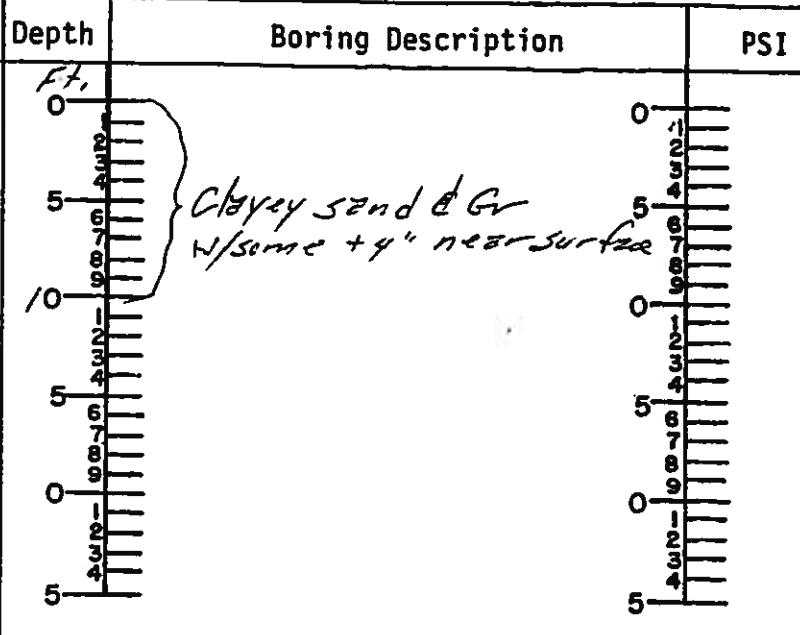
RV Sub Chem DC Other Description of Terrain: ~~Soil~~~~Soil of E's "RLV₃", "RLV₄" &
LK
5 feet of West~~

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: 41-5,395, Panther to
Lemmon Valley
Station: "RLV₃" 0' +00
Location from CL: 2
County: Kern



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	97
3/4"	86
1/2"	82
3/8"	76
No. 4	65 35
No. 10	54
No. 16	48
No. 40	36
No. 50	32
No. 100	26
No. 200	21 44

Date Reported _____

Liquid Limit 26
 Plasticity Index 14
 Specific Gravity _____
 Resistance Value 29
 Cover Stabilometer Expansion Pressure
 Thickness 19" 13"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent 18
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 90
 Chloride _____
 Sulphate _____
 pH Factor 7.5
 HRB Classification A-2-6(0)

Remarks: _____

ab No.

RV 466-84 C 706-84

LINE SAMPLING DATA (FIELD)

A.No:
ERT No:

ERT No:

Date: 5-22-84

amplers: Fisher, Ramsey, Kerr

ample No.

ample Type:

RV Sub Chem DC Other

Description of Terrain: Borrow ditch
of existing fill

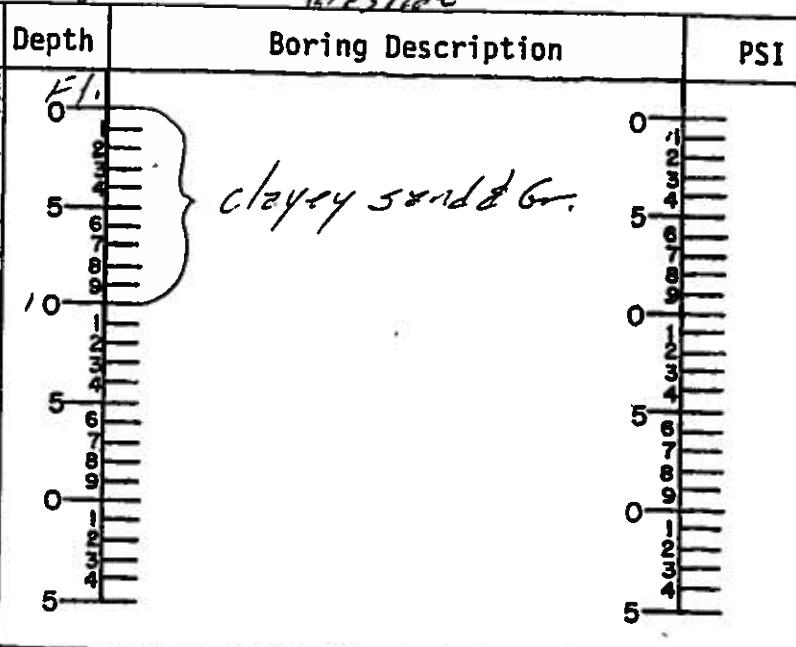
vegetation:

Trees
Brushy

Shrubs

Grassy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	100
1/2"	99
3/8"	99
No. 4	95
No. 10	63
No. 16	22
No. 40	53
No. 50	47
No. 100	36
No. 200	28.

Liquid Limit	26	Date Reported	
Plasticity Index	13		
Specific Gravity			
Resistance Value	32		
Cover	Stabilometer	Expansion Pressure	
Thickness	18 $\frac{1}{2}$		
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent	15		
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3		56	
Chloride			
Sulphate			
pH Factor	7.4		
HRB Classification	A-2-6 (0)		

Remarks:

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No: 5-21-84

Site: Ramsey, Ramsey, Ken.

Sample No. 80

Sample Type:

RV Sub Chem DC Other

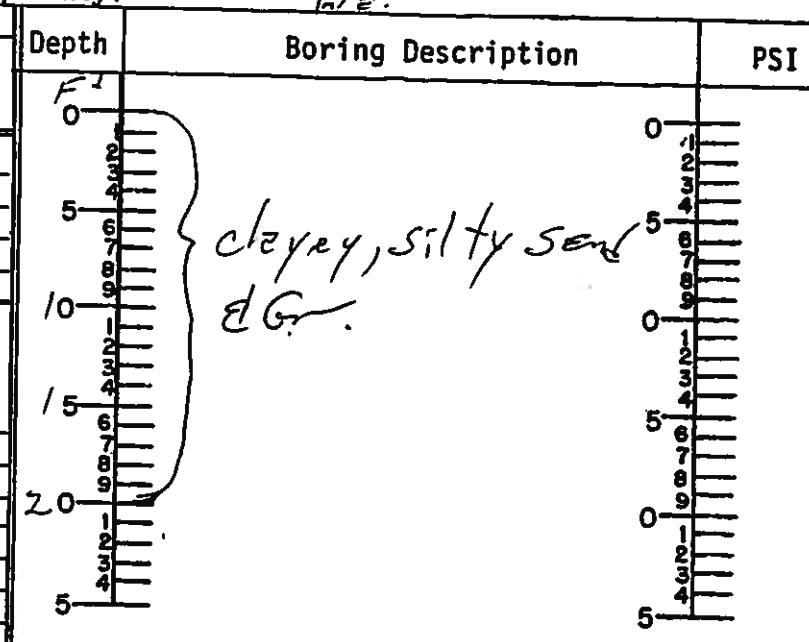
Description of Terrain:

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

Job Description: 415395 P.E. Hwy 6
Ramsey Valley
Station: "RLV" 10+00
Location from CL: 2
County: W.E.



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	87	13
No. 10	77	
No. 16		
No. 40	63	
No. 50		
No. 100		
No. 200	39	48

Liquid Limit	27	Date Reported	_____
Plasticity Index	9		
Specific Gravity			
Resistance Value			
Cover Thickness		Stabilometer	Expansion Pressure
HMCT % No. 4-		% No. 4+	
Max.Dens.		Sp.Gr.	
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent	- - -		
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			

pH Factor _____
HRB Classification A4(1)

Remarks: _____

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71089

ERT No:

ate: 5-21-84

amplers: Ramsey, Kern, Fisher

ample No. ET

ample Type:

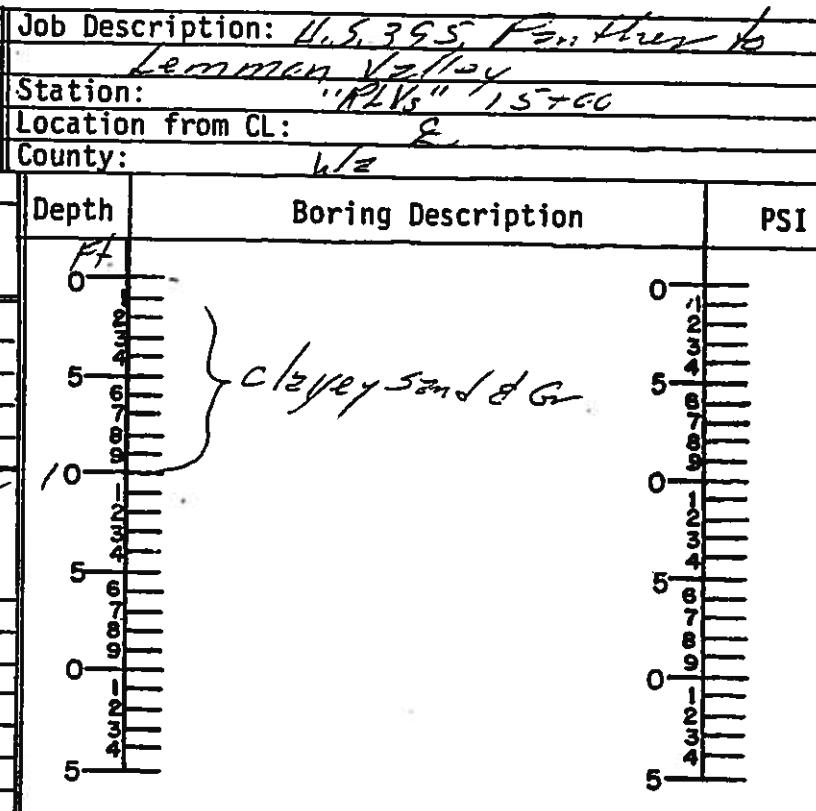
RV Sub Chem DC Other

escription of Terrain: Dry from runoff of garden irrigation.

egetation:

Trees
Brushy Shrubs Grassy

emarks:



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	98	
1/2"		
3/8"		
No. 4	67	33
No. 10	55	
No. 16		
No. 40	40	
No. 50		
No. 100		
No. 200	24	43

Date Reported _____

Liquid Limit 27
 Plasticity Index 8
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

Lab No.

LINE SAMPLING DATA (FIELD)

RV 467-84 C 707-84

A.No: 71099

ERT No:

Date: 5-21-87

Samplers: Terra, Pemco, Fisher

Sample No. 82

Sample Type:

RV Sub Chem DC Other

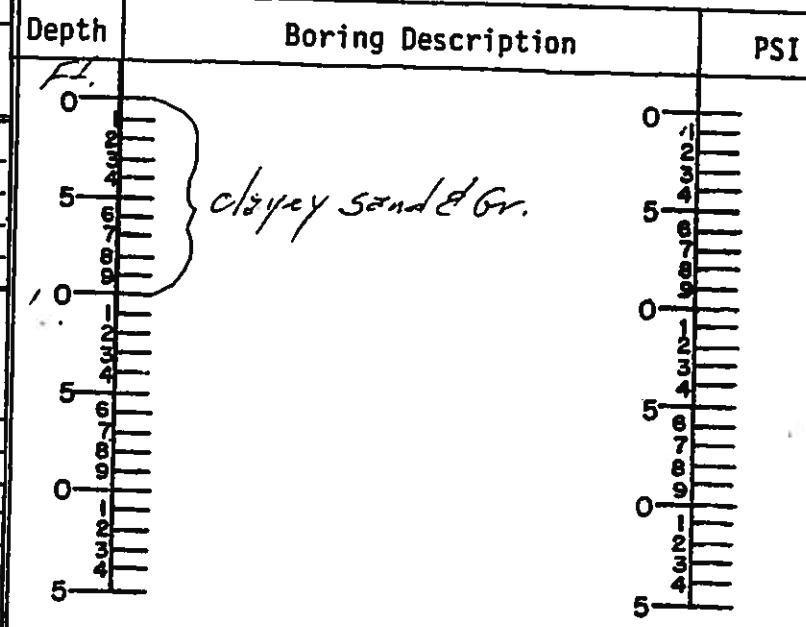
Description of Terrain:

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

Job Description: U.S. 395 & Hwy to
Lemmon Valley
Station: "RLV" 17+50
Location from CL: 2
County: M/LZ



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	99
3/4"	92
1/2"	85
3/8"	76
No. 4	61 39
No. 10	48
No. 16	43
No. 40	34
No. 50	31
No. 100	26
No. 200	21 40

Liquid Limit 26 Date Reported _____
 Plasticity Index 7
 Specific Gravity _____
 Resistance Value 10
 Cover Stabilometer Expansion Pressure
 Thickness 25" 9"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 22 - - - -
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 48
 Chloride _____
 Sulphate _____
 pH Factor 8.2
 HRB Classification A-2-4(0)

Remarks:

Job No.

RV 468-84 C 708-84

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 5-22-84

Samplers: Fisher, Ramsey, Kern

Sample No. 83

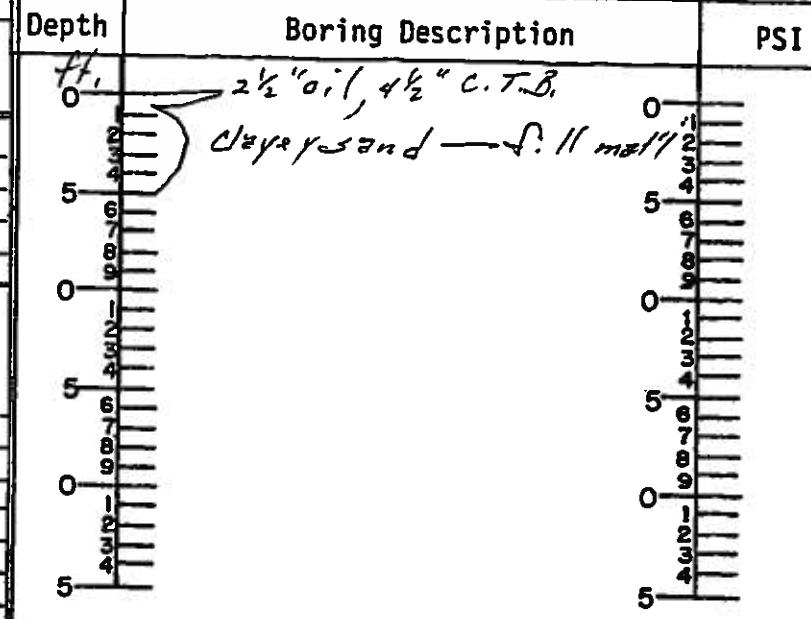
Sample Type:

RV Sub Chem DC Other Description of Terrain: Sampled in
Emergency ~~the parking area~~

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: 4.5.395, Pothole to
Lemon Valley
Station: "RV," OFCO
Location from CL: 2
County: Kern

LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	95
No. 10	82
No. 16	71
No. 40	52
No. 50	47
No. 100	38
No. 200	30
	65

Date Reported _____

Liquid Limit 27
 Plasticity Index 14
 Specific Gravity _____
 Resistance Value 22
 Cover Stabilometer Expansion Pressure
 Thickness 2 1/2 13"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 14 _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 101.6
 Chloride _____
 Sulphate _____
 pH Factor 8.0
 HRB Classification A-2-6(1)

Remarks: _____

Job No.

LINE SAMPLING DATA (FIELD)

RV 469-84 C 709-84

A. No. 71099

ERT No:

Date: 5-22-84

Samplers: Fisher, Kenney, Kern

Sample No. 84

Sample Type:

RV Sub Chem DC Other Description of Terrain: Borrow dr-doh
of existing T.W.

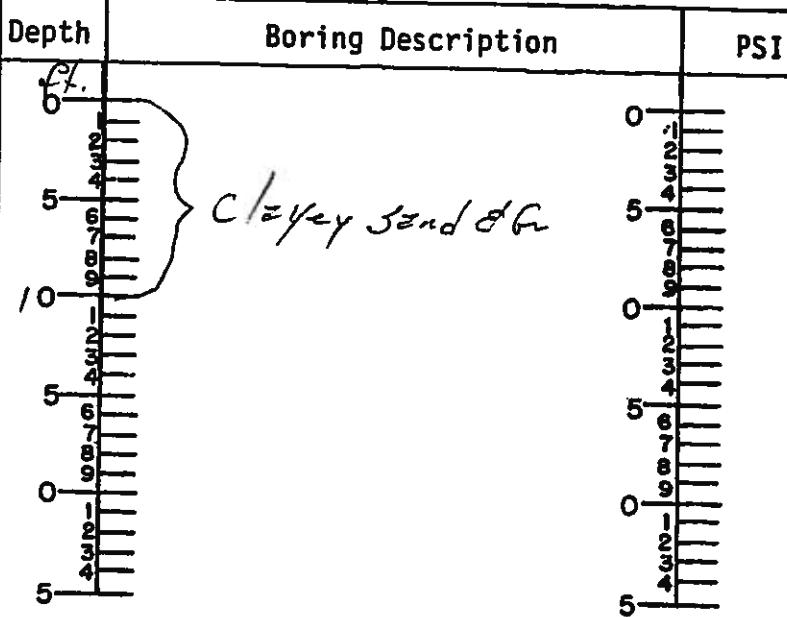
Back slope grassy & Brushy

Vegetation:

Trees Shrubs Grassy
Brushy

Remarks:

Job Description: U.S. 395 - Point No. - to
Lemmon Valley,
Station: 11PLV " 5 + 50
Location from CL: G
County: Fresno



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	96
No. 10	83
No. 16	73
No. 40	53
No. 50	47
No. 100	36
No. 200	28
	68

Date Reported _____

Liquid Limit 27
 Plasticity Index 10
 Specific Gravity _____
 Resistance Value 12
 Cover Stabilometer Expansion Pressure
 Thickness 24/2 15"
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 14
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 207
 Chloride _____
 Sulphate _____
 pH Factor 8.4
 HRB Classification A-2-4(0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

I.A.No: 71099

ERT No:

Date: 5-22-84

Samplers: Fisher, Ramsey, Kern

Sample No. 85

Sample Type:

RV Sub Chem DC Other

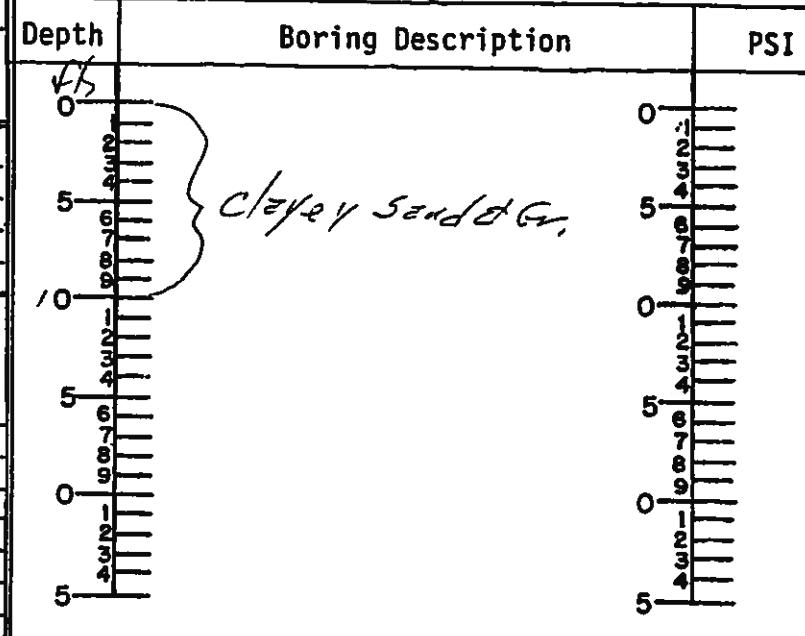
Description of Terrain: Hillside

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

Job Description: U.S. 395, Panhandle to
Lemon Valley
Station: "PLV" 10+00
Location from CL: E
County: Inyo



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	92	8
No. 10	76	
No. 16		
No. 40	41	
No. 50		
No. 100		
No. 200	20	72

Date Reported _____

Liquid Limit 26
 Plasticity Index 13
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+ _____
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO_3 & HCO_3
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6 (0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

Date: 5-22-84

Samplers: Fisher, Ramsey, Kern

Sample No. 86

Sample Type:

RV Sub Chem DC Other

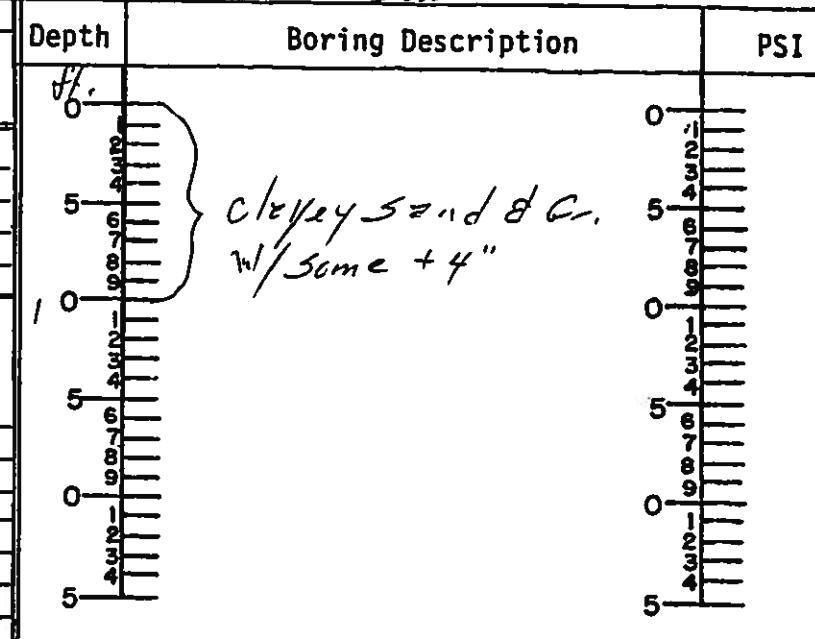
Description of Terrain: Top of small ridge

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

Job Description: 4.5, 395 Footer to
Lemmen Valley
Station: "RLH" 15700
Location from CL: C
County: Westmore



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	95
1/2"	
3/8"	
No. 4	71 29
No. 10	60
No. 16	
No. 40	40
No. 50	
No. 100	
No. 200	28 49

Date Reported _____

Liquid Limit 25
 Plasticity Index 13
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____ % No. 4+ _____
 HMCT % No. 4- _____ Max.Dens. _____ Sp.Gr. _____
 Opt.Moist. _____ Calculated Max. Density - - - - -
 Sand Equivalent _____ Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6 (0)

Remarks: _____

Lab No. _____

LINE SAMPLING DATA (FIELD)

E.A.No: 71099
PERT No:
Date: 5-22-84
Samplers: Fisher, Kern

Job Description: N.S. 393; Project to
Lemmen VZ/124
Station: "PLV" 20400
Location from CL: 8
County: Wazhwe

Sample No. 87

Sample Type:

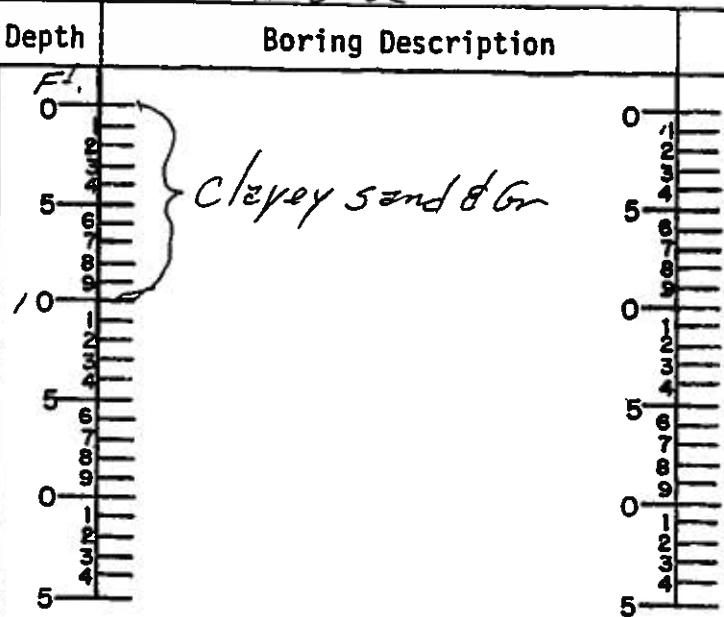
RV Sub Chem DC Other

Description of Terrain: Edge of very old & abandoned failed T.W.

Vegetation:

Trees Shrubs Grassy
 Brushy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	
3/4"	94
1/2"	
3/8"	
No. 4	71
No. 10	65
No. 16	
No. 40	57
No. 50	
No. 100	
No. 200	40

Liquid Limit	28	Date Reported	
Plasticity Index	11		
Specific Gravity			
Resistance Value			
Cover	Stabilometer	Expansion Pressure	
Thickness		% No. 4+	
HMCT % No. 4-		Sp.Gr.	
Max.Dens.			
Opt.Moist.			
Calculated Max. Density			
Sand Equivalent			
Natural Moisture %			
Soluble Radical		Parts Per Million	
Salt: CO_3 & HCO_3			
Chloride			
Sulphate			
pH Factor			
HRB Classification	<i>A-6(1)</i>		

Remarks:

Lab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 710 99
 ERT No:
 Date: 5-22-84
 Samplers: Fisher, Remsey, Kern
 Sample No. 88

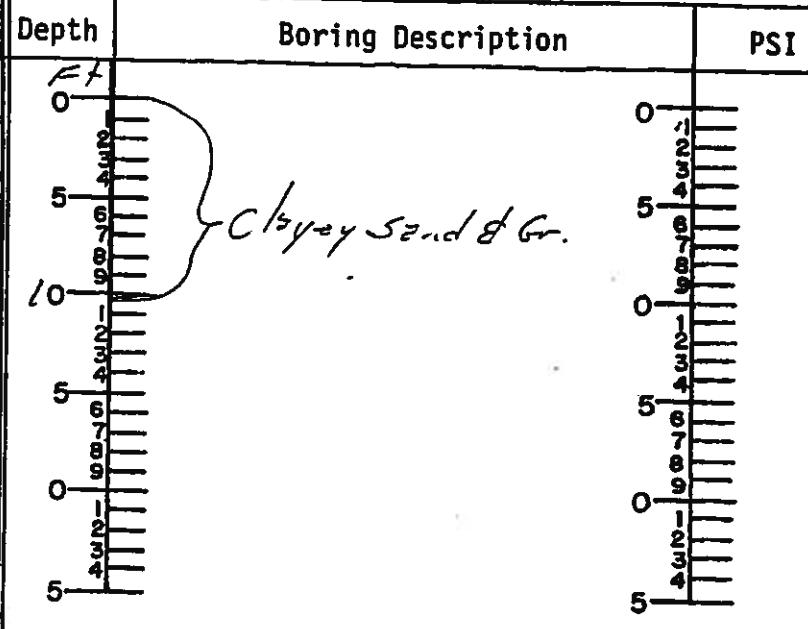
Job Description: U.S. 395, Panther
 Lemoore Valley
 Station: "LV" 23 + 80
 Location from CL: 8
 County: Fresno

Sample Type:
 RV Sub Chem DC Other

Description of Terrain: Hillside

Vegetation:
 Trees Shrubs Grassy
 Brushy

Remarks: _____



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"		
3/4"	100	
1/2"		
3/8"		
No. 4	91	9
No. 10	81	
No. 16		
No. 40	53	
No. 50		
No. 100		
No. 200	29	62

Date Reported _____

Liquid Limit 25
 Plasticity Index 7
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-4(0)

Remarks: _____

ab No. _____

LINE SAMPLING DATA (FIELD)

A.No: 71099

ERT No:

ate: 5-22-84

amplers: Fisher, Ramsey, Kern

ample No. 89

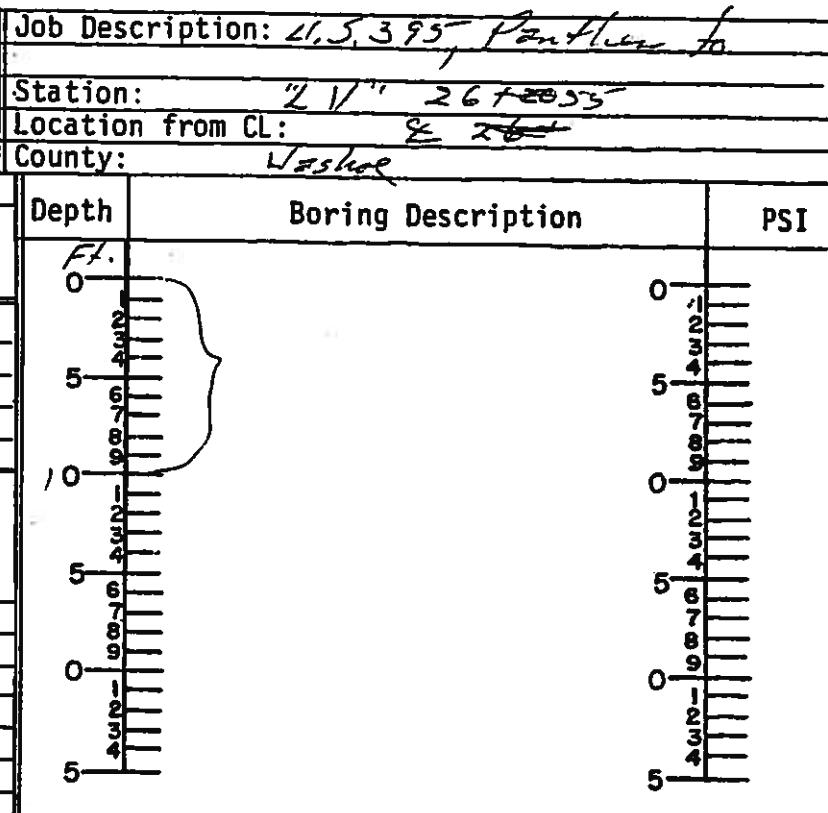
ample Type:

RV Sub Chem DC Other escription of Terrain: Toe of slope
of 395 ft in Bln of Wash

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"	100	
1"		
3/4"	93	
1/2"		
3/8"		
No. 4	70	30
No. 10	62	
No. 16		
No. 40	44	
No. 50		
No. 100		
No. 200	24	46

Date Reported _____

Liquid Limit 26
 Plasticity Index 11
 Specific Gravity _____
 Resistance Value _____
 Cover Stabilometer Expansion Pressure
 Thickness _____
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr. _____
 Opt.Moist. _____
 Calculated Max. Density - - - - -
 Sand Equivalent _____
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃
 Chloride _____
 Sulphate _____
 pH Factor _____
 HRB Classification A-2-6(0)

Remarks: _____

LINE SAMPLING DATA (FIELD)

Job No. RV 470-84 C 710-84A.No: 71099

ERT No:

Date: 5-22-84Samplers: Fisher, Ramsey, KernSample No. 90

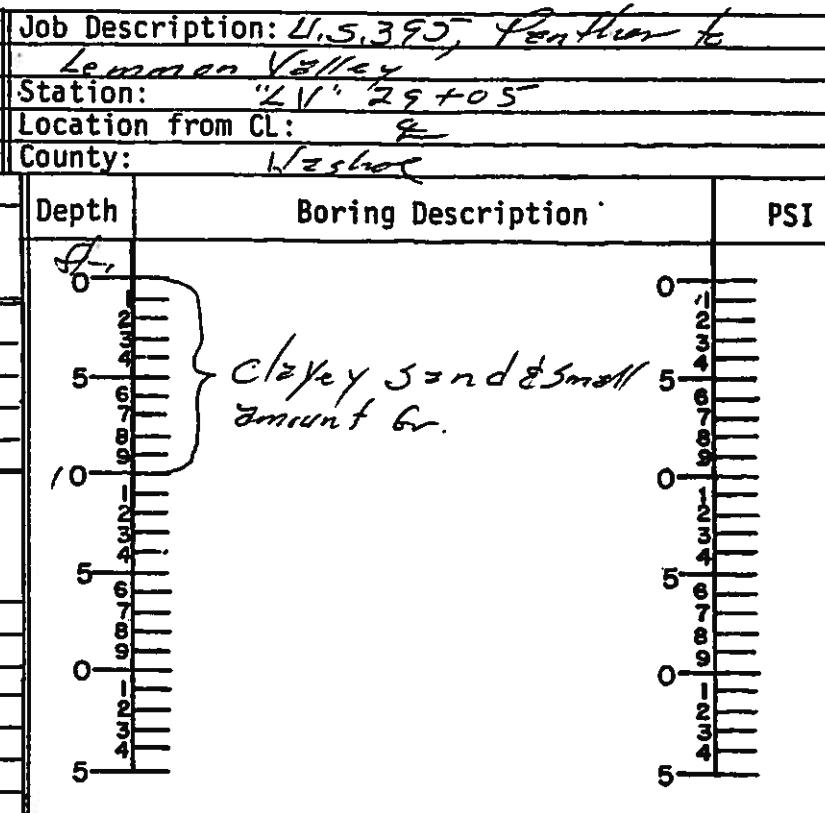
Sample Type:

RV Sub Chem DC Other Description of Terrain: Side hillO.H. Power line to Pt.~~Loc. of "LV", "BPLV", & "PLV.~~

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:



LABORATORY ANALYSES

Sieve Size	% Passing	
3"		
2"		
1 1/2"		
1"	100	
3/4"	97	
1/2"	97	
3/8"	96	
No. 4	93	7
No. 10	85	
No. 16	76	
No. 40	58	
No. 50	52	
No. 100	42	
No. 200	33	60

Date Reported _____

Liquid Limit 25
Plasticity Index 13
Specific Gravity _____
Resistance Value 15
Cover Stabilometer Expansion Pressure
Thickness 23 1/2
HMCT % No. 4- % No. 4+ _____
Max.Dens. Sp.Gr. _____
Opt.Moist. _____
Calculated Max. Density - - - - -
Sand Equivalent 15
Natural Moisture % _____
Soluble Radical Parts Per Million
Salt: CO_3 & HCO_3 49
Chloride _____
Sulphate _____
pH Factor 7.6
HRB Classification A-2-6(1)

Remarks: _____

LINE SAMPLING DATA (FIELD)

Job No.

RV471-84 C711-84

A.No: 71099

RT No:

Date: 5-23-84

Samplers: Fisher, Kern, Ramsey

Sample No. 91

Sample Type:

RV Sub Chem DC Other

Description of Terrain: old abandoned

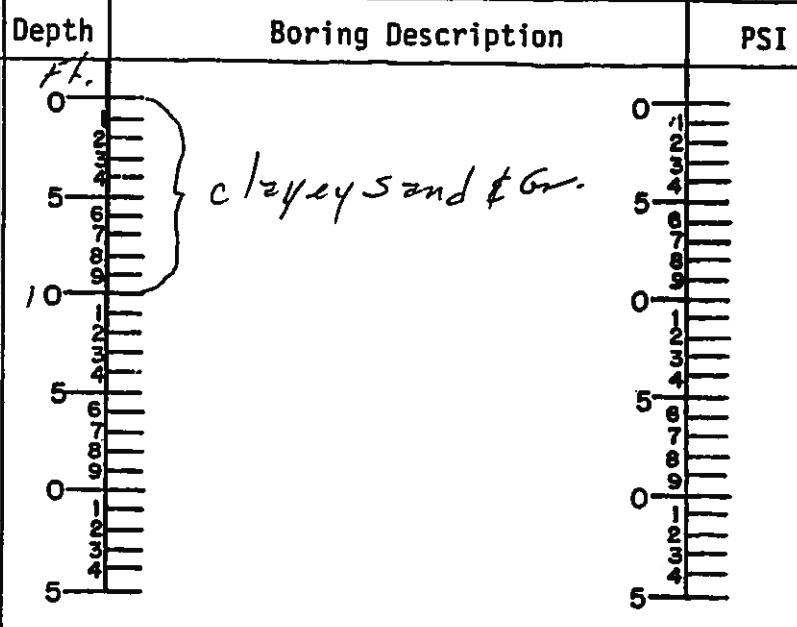
LV Approach

Vegetation:

Trees
Brushy Shrubs Grassy

Remarks:

Job Description: 415,395, Panther to
Lemonon Valley
Station: "LV" 33+50
Location from CL: 0
County: Kern



LABORATORY ANALYSES

Sieve Size	% Passing
3"	
2"	
1 1/2"	100
1"	98
3/4"	94
1/2"	89
3/8"	86
No. 4	78 22
No. 10	68
No. 16	62
No. 40	49
No. 50	45
No. 100	38
No. 200	32 46

Date Reported _____

Liquid Limit 32
 Plasticity Index 18
 Specific Gravity _____
 Resistance Value 16
 Cover Stabilometer Expansion Pressure
 Thickness 23 1/2 5 1/2
 HMCT % No. 4- % No. 4+
 Max.Dens. Sp.Gr.
 Opt.Moist. _____
 Calculated Max. Density _____
 Sand Equivalent 13
 Natural Moisture % _____
 Soluble Radical Parts Per Million
 Salt: CO₃ & HCO₃ 126
 Chloride
 Sulphate
 pH Factor 7.4
 HRB Classification A-2-10(1)

Remarks: _____