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WHITE-DIVISION OF WATER RESOURCES
CANARY-CLIENT'S COPY
PINK-WELL DRILLER'S COPY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY

Log No. 82449

Permit No. _____

Basin 212



PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 20862

1. OWNER REPUBLIC DUMPLCO INC ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS 7900 E. Vegas Valley SUNRISE LAND FILL
LAS VEGAS, NV 89122 7900 E. VEGAS ALLEY DR.

2. LOCATION SE 1/4 NE 1/4 Sec. 12 T. 21 N. R. 62 E County CLARK
 PERMIT NO. APN 161-12-002 161-12-00-501
 Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock

5. WELL TYPE
 Cable Rotary RVC
 Air Other Air Core

6. MW-88 LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
<u>drill pad fill</u>		<u>0</u>	<u>2</u>	<u>2'</u>
<u>light gray, light yellowish brown to pale yellow strongly fractured limestone with gypsum veinlets</u>		<u>2</u>	<u>24</u>	<u>22'</u>
<u>light gray limestone, gypsum veinlets</u>		<u>24</u>	<u>34</u>	<u>10'</u>
<u>light gray to pink limestone gypsum veinlets</u>		<u>34</u>	<u>39</u>	<u>5'</u>
<u>light gray limestone</u>		<u>39</u>	<u>48</u>	<u>9'</u>
<u>variable colored limestone gray, yellow red white, gypsum veinlets</u>		<u>48</u>	<u>60</u>	<u>12'</u>
<u>yellow to weak red sandstone reddish yellow to yellow siltstone, gypsum veinlets</u>		<u>60</u>	<u>61</u>	<u>1'</u>
<u>red siltstone, gypsum</u>		<u>61</u>	<u>71</u>	<u>10'</u>
<u>red siltstone, gypsum</u>		<u>71</u>	<u>76</u>	<u>5'</u>
<u>dark red mudstone and red siltstone, gypsum</u>		<u>76</u>	<u>81</u>	<u>5'</u>
<u>pale red to pale yellow limestone, gypsum</u>		<u>81</u>	<u>90.2</u>	<u>9.2'</u>
<u>red siltstone, gypsum</u>		<u>90.2</u>	<u>96</u>	<u>5.8'</u>
<u>light red to dark red siltstone, gypsum veinlets</u>		<u>96</u>	<u>101</u>	<u>5'</u>
<u>red siltstone, friable, permeable</u>		<u>101</u>	<u>136</u>	<u>35'</u>
<u>pale red to red siltstone, not friable</u>		<u>136</u>	<u>194</u>	<u>58'</u>
<u>red mudstone</u>		<u>194</u>	<u>201</u>	<u>7'</u>

8. WELL CONSTRUCTION
 Depth Drilled 492 Feet Depth Cased 492 Feet

HOLE DIAMETER (BIT SIZE)

Inches	From	To
<u>15</u>	<u>0</u>	<u>20</u>
<u>8.75</u>	<u>20</u>	<u>492</u>

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>10</u>		<u>.250</u>	<u>0</u>	<u>20</u>
<u>4</u>	<u>Sch 80</u>	<u>P/L</u>	<u>12</u>	<u>477</u>

Perforations:
 Type perforation stainless steel wire wrap
 Size perforation .210
 From 477 feet to 492 feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type: 0-20
 Depth of Seal 0-470 bent grout Neat Cement
 Placement Method: Pumped Cement Grout
 Poured 470-475 bent pallets Concrete Grout

Gravel Packed: Yes No
 From 475 feet to 492 feet

9. WATER LEVEL
 Static water level 487.8 feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature _____ °F Quality _____

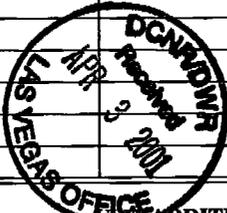
10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name LAYNE CHRISTENSEN Co Contractor
 Address 9001 B PALIFAC AVE Contractor
TALOMA, WA 98444
 Nevada contractor's license number 0019101 issued by the State Contractor's Board
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller M1628
 Signed [Signature] By driller performing actual drilling on site or contractor
 Date 04/03/01

Date started 03/02/01, 19____
 Date completed 03/09/01, 19____

7. WELL TEST DATA

TEST METHOD: Bailor Pump Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>0.042</u>	<u>12</u>	<u>3</u>



STATE OF NEVADA
 DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

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 Permit No. _____
 Basin 212

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NOTICE OF INTENT NO. _____

1. OWNER _____ ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS _____

2. LOCATION 1/4 1/4 Sec. _____ T. _____ N/S R. _____ E. _____ County _____
 PERMIT NO. _____ Issued by Water Resources _____ Parcel No. _____ Subdivision Name _____

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock

5. WELL TYPE
 Cable Rotary RVC
 Air Other Air Core

6. MW-8B LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
red siltstone, sparse gypsum	}	201	208	7'
red mudstone, poor recovery		208	224.5	16.5'
red siltstone, strongly fractured, calcite veinlets	}	224.5	229	4.5'
red siltstone		229	235	6'
red mudstone		235	236	1'
light red to red siltstone		236	244	8'
red to pink siltstone		244	249	5'
pinkish white to light red siltstone	}	249	256.5	7.5'
red mudstone, minor interbedded siltstone		256.5	269	12.5'
red siltstone, sparse gypsum	}	269	321.5	54.5'
red to white siltstone		321.5	324	2.5'
red siltstone, sparse gypsum	}	324	344	20'
light red to red siltstone, weak argillic alteration		344	349	5'
light red to pinkish white siltstone, sparse gypsum	}	349	352	3'
red mudstone		352	355.6	3.6'
red siltstone, gypsum	}	355.6	369.5	13.9'
weak argillic alteration		369.5	370.5	1'
dark red mudstone		370.5	393	22.5'
weak red to red siltstone		393	413	20'
red siltstone, sparse gypsum		413	423	10'

8. WELL CONSTRUCTION
 Depth Drilled _____ Feet Depth Cased _____ Feet
 HOLE DIAMETER (BIT SIZE)
 From _____ To _____
 Inches _____ Feet _____ Feet
 Inches _____ Feet _____ Feet
 Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
 Type perforation _____
 Size perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Neat Cement
 Cement Grout
 Concrete Grout
 Depth of Seal _____
 Placement Method: Pumped Poured
 Gravel Packed: Yes No
 From _____ feet to _____ feet

9. WATER LEVEL
 Static water level _____ feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature _____ °F Quality _____

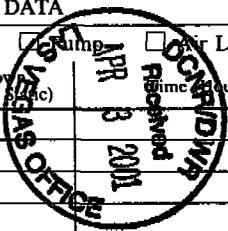
10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.

Name _____ Contractor _____
 Address _____ Contractor _____
 Nevada contractor's license number issued by the State Contractor's Board _____
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller _____
 Signed _____ By driller performing actual drilling on site or contractor
 Date _____

Date started _____ 19____
 Date completed _____ 19____

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailor <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift			



OFFICE USE ONLY
 Log No. 82499
 Permit No. 812
 Basin 812

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NOTICE OF INTENT NO. _____

1. OWNER _____ ADDRESS AT WELL LOCATION _____
 MAILING ADDRESS _____

2. LOCATION 1/4 1/4 Sec. T N/S R. E County _____
 PERMIT NO. _____ Issued by Water Resources _____ Parcel No. _____ Subdivision Name _____

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon Other _____

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock

5. WELL TYPE
 Cable Rotary RVC
 Air Other Air Core

6. MW 8B LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
red mud stone, weak argillic alteration	}	423	435.5	12.5'
light gray and light red siltstone argillic alteration		435.5	439.25	3.75'
red mud stone	}	439.25	447.5	8.25'
red siltstone sparse gypsum		447.5	451	3.5'
yellowish red mudstone	}	451	455	4'
red silt stone, sparse gypsum		455	467	12'
weak red siltstone	}	467	492	25'

8. WELL CONSTRUCTION
 Depth Drilled _____ Feet Depth Cased _____ Feet
 HOLE DIAMETER (BIT SIZE)
 From _____ To _____
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
 Type perforation _____
 Size perforation _____
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
 Neat Cement
 Depth of Seal _____ Cement Grout
 Placement Method: Pumped Concrete Grout
 Poured
 Gravel Packed: Yes No
 From _____ feet to _____ feet

9. WATER LEVEL
 Static water level _____ feet below land surface
 Artesian flow _____ G.P.M. _____ P.S.I.
 Water temperature _____ °F Quality _____

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.

Name _____ Contractor _____
 Address _____ Contractor _____

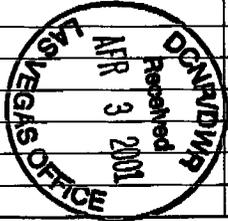
Nevada contractor's license number issued by the State Contractor's Board _____
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller _____
 Signed _____ By driller performing actual drilling on site or contractor
 Date _____

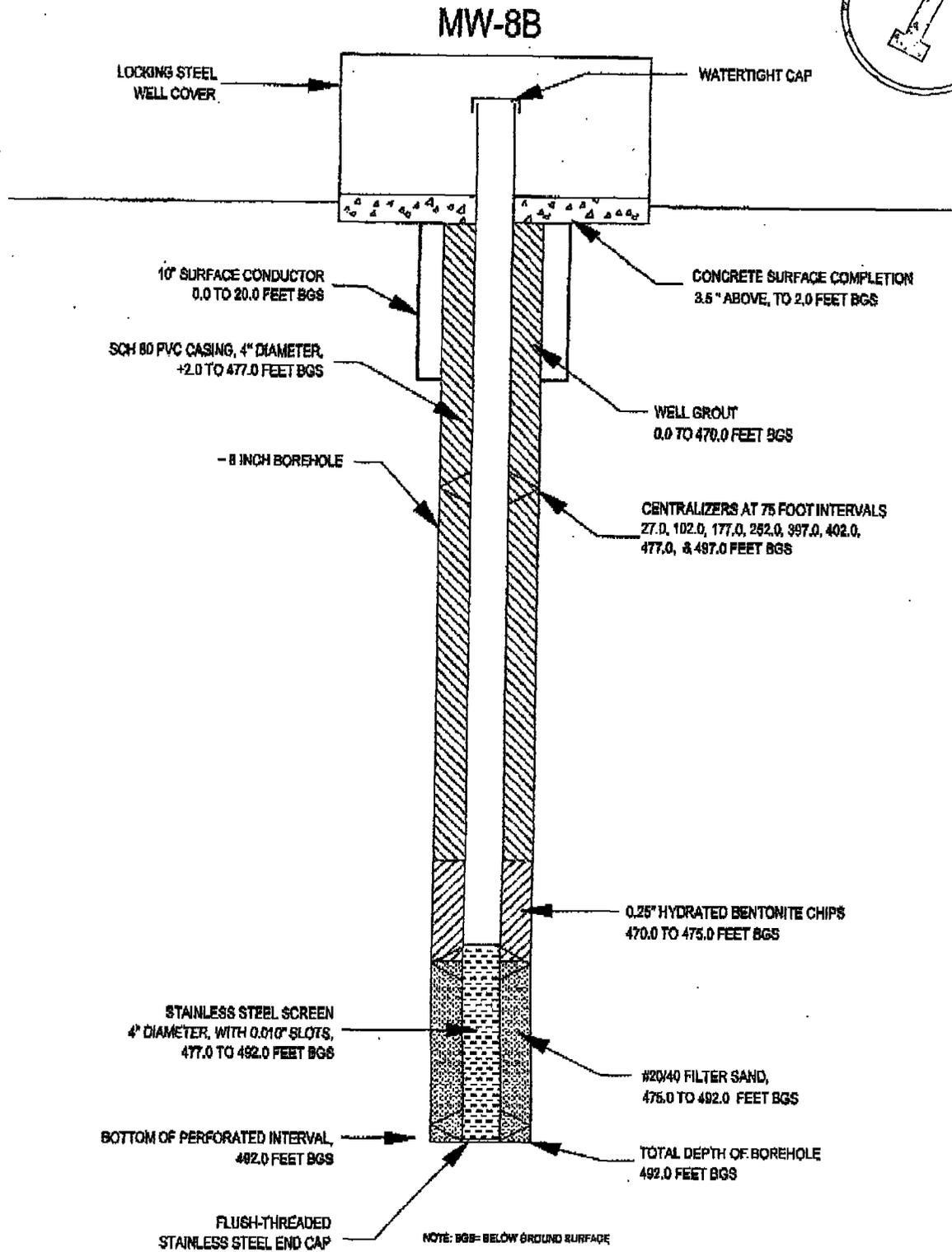
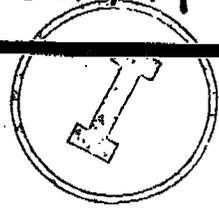
Date started _____, 19____
 Date completed _____, 19____

7. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

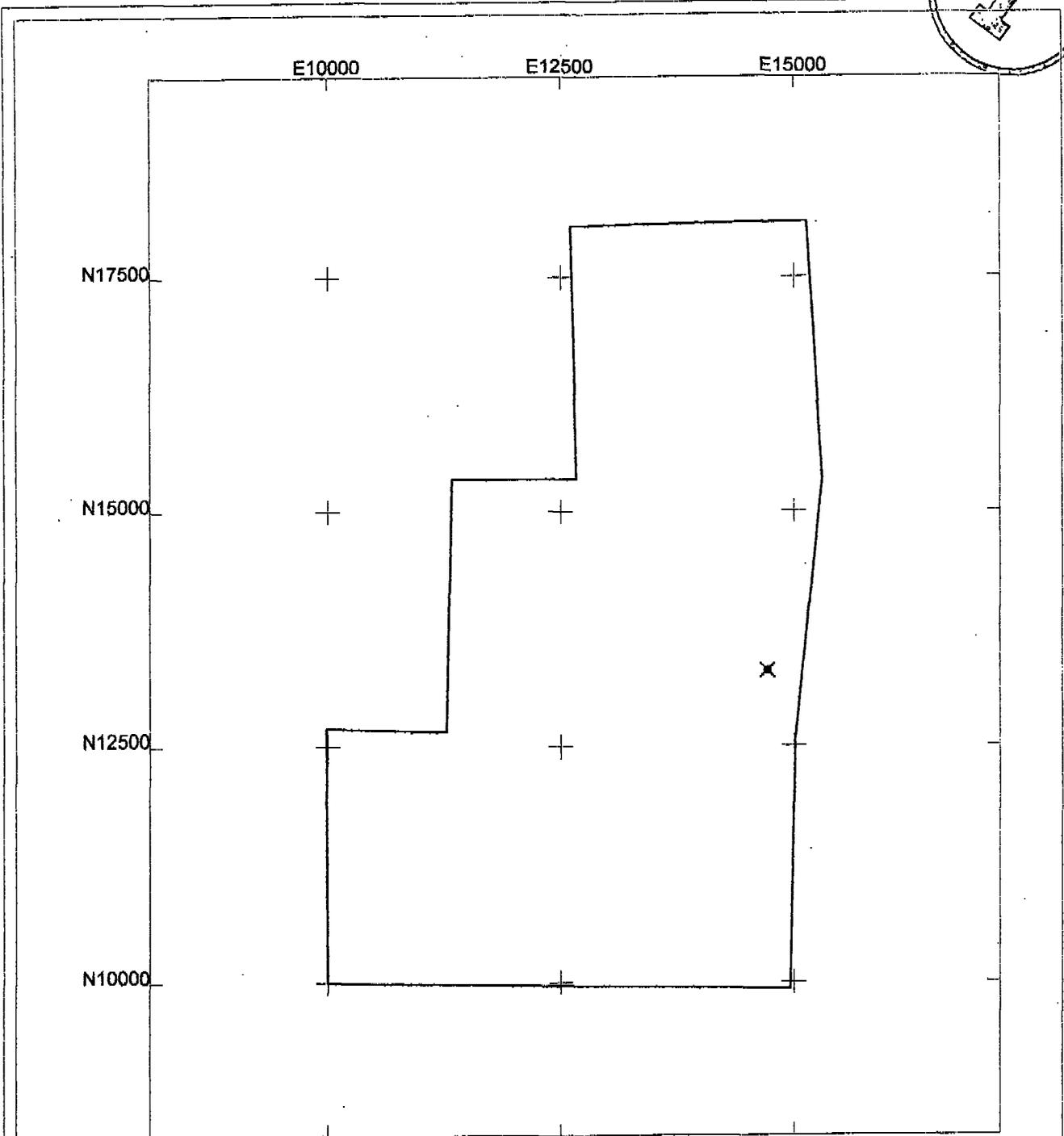
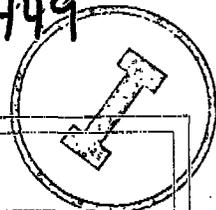
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)





 <p>GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC. (702) 385-1001 7560 W. Sahara Ave., Suite 101 Las Vegas, NV 89117</p>	MW-8B WELL CONSTRUCTION DIAGRAM	
	JOB NO. 98744D1	FIG. 1

Log# 82449



MW 8B

Sunrise1
US State Plane 1927
Nevada East 2701
NADCON (Conus)



combined.ssf
3/19/2001
Pathfinder Office
 Trimble