DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO CA	EPA/SBMWD/CH2MHILL/URS	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of Week
SUBGRADE + BASE MATERIAL	MUSCOY PIPELINE	12-27-02	FRI

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Charged
URS CORP.	EL-CO CONTRACTORS INC.	NOKELBY	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charged
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
	STATION NO.							
31	1+ [illegible]	1220		125.0	9.1	1159	93	
32	5+ [illegible]	1224		125.0	10.3	120.4	96	
33	9+ [illegible]	1228		125.0	7.7	115.3	93	
34	17+00	1222		133.0	8.4	120.2	97	
35	15+40	1224		133.0	10.3	120.3	96	
36	13+10	1226		133.0	9.8	120.4	93	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUING TO USE THE SAME METHOD OF ROAD BASE PLACEMENT AND THE SAME IRRIGATION OPERATION ON PIPING MATERIALS.

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927.3 (1-86)

DAILY FIELD REPORT

Job No. 12600

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Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO, CA	EPA/SBMWD/CH2MHILL/URS CORP	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day	Week
SUBGRADE + BASE MATERIAL	MUSCOY PIPELINE	12-30-02	M	

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Charge
URS CORP.	EL-CO CONTRACTORS, INC	NIKZEIEK	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charge
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
37	12+00	1229		125.0	12.1	118.6	95	
38	10+75	1229		125.0	10.6	119.1	95	
39	9+50	1230		125.0	11.2	120.4	96	
40	12+25	1230		133.0	10.0	123.6	93	
41	11+50	1230		133.0	11.2	124.4	93	
42	10+25	1225		133.0	10.4	127.3	96	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR USING H2O TRUCK TO COMPACT THE EXISTING TRENCH SURFACE DOWN BELOW FINISH GRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE, THEN USING VIBRATING STEEL DRUM ROLLER TO COMPACT SUBGRADE IN PLACE. CONTRACTOR USED BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE PAVEMENT SECTION, COMPACTING IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLER AND VIBRATORY ROLLER AFTER AC SECTION WAS CUT WITH BACKHOE.

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927.3 (1-86)

DAILY FIELD REPORT

Job No. 12600

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Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO, CA	EPA/SBMWD/CH2MHILL/URS	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of Week
SUBGRADE + BASE MATERIAL	MUSEUM PIPELINE	1-17-03	FRI

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Charge
URS CORP	EL-CO CONTRACTORS, INC.	NICK REVELL	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charge
	TROY KIKTLEY		

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
43	157+00	1095		120.5	13.9	113.6	95	
44	155+25	1098		120.5	12.7	115.3	96	
45	153+50	1100		120.2	14.1	113.9	95	
46	151+50	1094		132.0	10.0	129.1	97	
47	149+00	1094		133.0	11.2	130.6	98	
48	150+25	1092		133.0	10.5	129.0	97	
49	153+75	1100		133.0	12.9	129.5	97	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR USING HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE DOWN BELOW FINISH GRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE, THEN AFTER USING VIBRATING STEEL DRUM ROLLER TO COMPACT SUBGRADE IN PLACE, CONTRACTOR USED BACKHOE TO SPREAD ROAD BASE MATERIAL IN TRENCH LINE PAVEMENT SECTION, COMPACTING IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLING AND VIBRATORY ROLLER AFTER ASPHALT THICK PAVEMENT SECTION WAS CUT WITH BACKHOE.

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927.3 (1-86)

DAILY FIELD REPORT

Job No. 12600

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Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO, CA	EPA/SBMWD/CH2MHILL/URS CORP.	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Da	We
SUBGRADE + BASE MATERIAL	MUSCOY PIPELINE	2-5-03	V	J

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Charg
URS CORP.	EL-CO CONTRACTORS, INC.	NICK REPLEK	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charg
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
50	25+00	1115		120.0	11.6	115.4	96	
51	26+50	1117		120.0	12.1	113.7	95	
52	25+75	1117		133.0	9.0	129.6	97	
53	29+25	1118		120.0	13.3	113.9	95	
54	30+00	1119		120.0	11.4	115.3	96	
55	27+50	1118.5		133.0	8.8	130.8	98	
56	29+25	1119.5		133.0	9.7	126.7	95	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR USING HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE FOR PAVEMENT SECTION SUBGRADE. CONTRACTOR THEN CUT PAVEMENT SECTION WITH BACKHOE, THEN WHEEL ROLLING THE EXPOSED SURFACE WITH RUBBER TIRE LOADER. CONTRACTOR USED BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE, COMPACTING BASE SECTION IN PLACE BY BOTH USING A WATER TRUCK TO WHEEL ROLL AND A VIBRATE STEEL DRUM ROLLER. CONTRACTOR THEN CUT THE ASPHALT PAVEMENT DEPTH WITH BACKHOE BEFORE ASPHALT BASE COARSE WAS PLACED.

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DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2MHILL/URSCORP.	Report Sequence No.	
General Location of Fill: SUBGRADE + BASEMATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 2-6-03	Day of Week: THUR
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NIKRAVESH	HRS Charge
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charge

Source and Description of Fill Material

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location (STATION NO.)	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
57	30+50	1119		120.0	10.8	111.9	93	REF. TO NO. 60
58	33+00	1117		120.0	12.5	115.6	96	
59	35+25	1115		120.0	11.9	113.8	95	
60	30+50	1119		120.0	10.1	114.4	95	
61	30+75	1119.5		133.0	9.9	127.8	96	
62	32+60	1118		133.0	9.3	129.2	97	
63	36+10	1116		133.0	9.2	126.4	95	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUED TO USE HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE FOR PAVEMENT SECTION SUBGRADE. CONTRACTOR THEN CUT SUBGRADE PAVEMENT SECTION WITH BACKHOE, THEN WHEEL ROLLING THE SUBGRADE WITH A RUBBER TIRE LOADER. CONTRACTOR USED BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE. CONTRACTOR COMPACTING THE BASE SECTION IN PLACE BY BOTH RUBBERTIRE ROLLING WITH WATER TRUCK AND VIBRATORY ROLLER. CONTRACTOR THEN CUT THE ASPHALT PAVEMENT DEPTH WITH BACKHOE BEFORE HOT ASPHALT BASE COURSE WAS PLACED AND COMPACTED.

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927.3 (1-86)

DAILY FIELD REPORT

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Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2MHILL/URSCORP	Report Sequence No.	
General Location of Fill: SUBGRADE + BASE MATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 2-14-03	Day / Wee: 1 / 1
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICK REYES	HRS Charg
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charg
Source and Description of Fill Material		Weather: CLEAR	

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
64	13+25	1103		120.0	10.0	116.5	97	
65	15+00	1105		120.0	11.6	113.7	95	
66	17+50	1107		120.0	12.1	115.6	96	
67	19+75	1110		120.0	10.8	115.0	96	
68	22+00	1112		120.0	13.2	114.4	95	
69	14+05	1105		133.0	10.1	127.8	96	
70	16+50	1107		133.0	9.5	126.4	95	
71	18+75	1109		133.0	9.3	129.5	97	
72	20+50	1111		133.0	8.4	128.0	96	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUED TO USE HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE DOWN BELOW THE STREET FINISH GRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE, THEN USING RUBBER TIRE TO COMPACT THE EXPOSED SURFACE. CONTRACTOR USED THE BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE PAVEMENT SECTION. CONTRACTOR COMPACTING THE BASE IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLING. AC SECTION WAS THEN CUT WITH BACKHOE. HOT AC. M.I. WAS PLACE IN TRENCH LINE AND COMPACTED IN PLACE WITH VIBRATORY ROLLER.

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927.3 (1-86)

DAILY FIELD REPORT

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Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2MHILL/URS CORP		Report Sequence No.
General Location of Fill: SUBGRADE + BASE MATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 2-17-03	Day of Week: MON
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC	Job Engineer: NIKREYER	HRS Charged
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charged

Source and Description of Fill Material

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location (STATION NO.)	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
73	23+50	1115		133.0	8.7	127.9	96	
74	23+75	1115		133.0	9.3	129.4	97	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUING TO USE THE SAME METHOD OF ROAD BASE PLACEMENT AND THE SAME COMPACTION ON PAVING MATERIALS.

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927.3 (1-86)

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DAILY FIELD REPORT

12600

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Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO, CA	EPA/SBMWD/CH2MHILL/URSCORP.	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Da We
SUBGRADE + BASE MATERIAL	MUSCOY PIPELINE	2-21-03	

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Charg
URS CORP.	EL-CO CONTRACTORS, INC.	NIKLREK	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charg
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
75	175+75	1086		116.0	13.0	111.5	96	
76	177+90	1086		116.0	14.9	112.5	97	
77	180+00	1087		116.0	12.7	110.16	95	
78	183+00	1089		116.0	13.6	109.8	95	
79	176+75	1087		133.0	8.1	130.4	98	
80	179+00	1088		133.0	9.6	126.4	95	
81	182+25	1089		133.0	5.5	123.0	96	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUED TO USE HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE DOWN BELOW THE STREET FINISH GRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE, THEN USING RUBBER TIRE TO COMPACT THE EXPOSED SURFACE, CONTRACTOR USED THE BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE PAVEMENT SECTION. CONTRACTOR COMPACTING THE BASE IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLING. AC SECTION WAS THEN CUT WITH BACKHOE. HOT AC MIX WAS PLACE IN TRENCH LINE AND COMPACTED IN PLACE WITH VIBRATORY ROLLER.

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Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2MHILL/URS CORP		Report Sequence No.
General Location of Fill: SUBGRADE + BASE MATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 3-20-03	Day of We: THU
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICK REYES	HRS Char:
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Char:

Source and Description of Fill Material

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Dat

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
82	144+75	1106		123.0	12.3	116.9	95	
83	142+00	1108		123.0	11.2	118.3	96	
84	139+50	1111		123.0	12.9	116.7	95	
85	145+00	1107		133.0	8.6	127.5	96	
86	143+25	1108		133.0	9.2	129.5	97	
87	140+00	1111		133.0	8.8	126.4	95	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR USING A HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE FOR PAVEMENT SUBGRADE. CONTRACTOR THEN USED TRACK EXCAVITOR TO CUT PAVEMENT SECTION SUBGRADE, THEN USING RUBBER TIRE ROLLING TO COMPACT THE EXPOSED SURFACE. CONTRACTOR USED A BACKHOE TO SPREAD THE IMPORTED BASE MATERIAL IN TRENCH LINE. CONTRACTOR COMPACTING THE BASE IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLING. AC SECTION WAS THEN CUT WITH BACKHOE. HOT AC MIX WAS PLACED IN TRENCH LINE AND COMPACTED IN PLACE WITH VIBRATORY ROLLER.

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Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO, CA	EPA/SBMWD/CH2MHILL/URS CORP.	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of Week
SUBGRADE+BASE MATERIAL	MUSCOY PIPELINE	3-21-03	21

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Char
URS CORP.	EL-CO CONTRACTORS, INC.	NICKERSEK	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Char
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Dat

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
88	138+50	1112		123.0	10.8	117.3	95	
89	137+25	1113		123.0	13.6	114.6	93	RETEST NO. 9
90	135+10	1115		123.0	11.1	116.6	95	
91	133+00	1116		123.0	12.5	118.2	96	
92	137+25	1113		123.0	13.2	117.0	95	
93	135+90	113		133.0	9.1	120.2	96	
94	136+50	1114		133.0	9.7	127.8	96	
95	134+00	1117		133.0	8.6	126.6	95	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUING TO USE THE SAME METHOD OF ROAD BASE PLACEMENT AND THE SAME COMPACTION OPERATION ON PAVING MATERIALS.

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DAILY FIELD REPORT

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Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO, CA	EPA / SBMWD / CH2MHILL / URS CORP.	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of W.
SUBGRADE + BASE MATERIAL	MUSCOY PIPELINE	3-24-03	MON

General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Char
URS CORP.	EL-CO CONTRACTORS, INC	NICK REVEK	

Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Char
	TROY KIRTLEY		

Source and Description of Fill Material

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Dat

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
96	122+60	1126		133.0	8.6	129.1	97	
97	123+25	1126		133.0	9.1	123.0	96	
98	123+70	1125		133.0	8.3	130.6	98	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR USING A HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE FOR PAVEMENT SUBGRADE. CONTRACTOR THEN USED TRACK EXCAVATOR TO CUT PAVEMENT SECTION SUBGRADE, THEN USING RUBBER TIRE ROLLING TO COMPACT THE EXPOSED SURFACE. CONTRACTOR USED A BACKHOE TO SPREAD THE IMPORTED BASE MATERIAL IN TRENCH LINE. CONTRACTOR COMPACTING THE BASE IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLING. AC SECTION WAS THEN CUT WITH BACKHOE. HOT A.C. MIX WAS PLACED IN TRENCH LINE AND COMPACTED IN PLACE WITH VIBRATORY ROLLER.

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DAILY FIELD REPORT

12600

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Job Location	Client or Owner	Report Sequence No.	
SAN BERNARDINO CA	EPA/SBMWD/CH2M HILL/URS CORP.		
General Location of Fill	**Purpose of Fill or Nature of Structure to be Supported**	**Date**	**Day of Week**
SUBGRADE + BASE MATERIAL	MUSCOY PIPELINE	3-25-03	E
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer**	**HRS Chart**
URS CORP.	EL-CO CONTRACTORS, INC.	NICK REYLEK	
Contractor's Shift	**Contractor's Superintendent or Foreman**	**Assistants**	**HRS Chart**
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
99	125+25	1123		123.0	11.8	116.7	95	
100	128+00	1120		123.0	13.4	119.3	97	
101	131+00	1118		123.0	12.2	118.5	96	
102	124+75	1124		133.0	10.1	126.4	95	
103	127+00	1122		133.0	9.9	128.0	96	
104	130+25	1119		133.0	8.1	127.4	96	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUING TO USE THE SAME METHOD OF ROAD BASE PLACEMENT AND THE SAME COMPACTION OPERATION ON THE PAVING MATERIALS.

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DAILY FIELD REPORT

Job No. 12600

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Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2M HILL/URS CORP.	Report Sequence No.
General Location of Fill: SUBGRADE + BASEMATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 3-26-03 / Day of W: WED
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS INC.	Job Engineer: NICK REYES / HRS Cha
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants / HRS Cha

Source and Description of Fill Material

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Da

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
105	120+00	1127		123.0	11.5	116.4	95	
106	117+50	1129		123.0	12.9	117.0	95	
107	121+50	1127		133.0	8.2	129.0	96	
108	115+00	1133		133.0	9.4	126.0	95	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUING TO USE THE SAME METHOD OF ROAD BASE PLACEMENT AND THE SAME COMPACTION ON THE PAVING MATERIALS.

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DAILY FIELD REPORT

Job No. 2600

Page 1 of 1

Job Location: SAN BERNARDINO, CA.	Client or Owner: EPA/SBMWD/CH2MHILL/URSCORP.	Report Sequence No.	
General Location of Fill: SUBGRADE + BASE MATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSLOW PIPELINE	Date: 4-25-93	Day: TUES
General Contractor: JRS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: N. KREIER	HRS Charge
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charge

Source and Description of Fill Material

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location (STATION NO.)	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
109	123+46			133.0	8.6	129.2	97	
110	123+53			133.0	9.1	127.3	96	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR STARTED TO USE HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE DOWN BELOW THE STREET FINISHGRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE. THEN USING RUBBER TIRE TO COMPACT THE EXPOSED SURFACE CONTRACTOR USED THE BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE PAVEMENT SECTION. CONTRACTOR COMPACTING THE BASE IN PLACE WITH WATER TRUCK USING RUBBER TIRE ROLLING. AC SECTION WAS THEN CUT WITH BACKHOE. HOT ASPHALT CONCRETE MIX WAS PLACED IN TRENCH LINE AND COMPACTED IN PLACE WITH VIBRATORY ROLLER.

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927.3 (1-86)

DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location	Client or Owner		Report Sequence No.
SAN BERNARDINO, CA	EPA/SBMWD/CH2MHILL/URS CORP.		
General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of Week
SUBGRADE & BASE MATERIAL	MUSCOY PIPELINE	4-30-03	WED
General Contractor	Grading or Earthwork Contractor	Job Engineer	HRS Charged
URS CORP	EL-CO CONTRACTORS, INC.	NELKEN	
Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charged

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
	STATION NO.							
111	10+02	1126		133.3	7.9	127.5	96	
112	10+25	1125		126.7	5.2	122.7	97	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR USING HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE FOR PAVEMENT SECTION SUBGRADE. CONTRACTOR THEN CUT PAVEMENT SECTION WITH BACKHOE, THEN WHEEL ROLLING THE EXPOSED SURFACE WITH RUBBER TIRE LOADER. CONTRACTOR USED BACKHOE TO SPREAD BASE MATERIAL IN TRENCH LINE, COMPACTING BASE SECTION IN PLACE BY BOTH USING A WATER TRUCK TO WHEEL ROLL AND A VIBRATING STEEL DRUM ROLLER. CONTRACTOR THEN CUT THE ASPHALT PAVEMENT DEPTH WITH BACKHOE BEFORE ASPHALT BASE COARSE WAS PLACED.

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927.3 (1-86)

DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location: SAN BERNARDINO CA	Client or Owner: EPA / SBMWD / CH2MHILL / URS CORP.	Report Sequence No.	
General Location of Fill: SUBGRADE + BASE MATERIAL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 5-1-03	Day: TI Week: 2
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICKREYEK	HRS Charged
Contractor's Shift	Contractor's Superintendent or Foreman	Assistants	HRS Charged

Source and Description of Fill Material: BASE MATERIAL

Weather: CLEAR

APPROXIMATE YARDAGE

Total Req'd.	Placed this Shift	Total To-Date

Test Number	Test Location STATION NO.	Elevation	Reference Compaction Curve	Maximum Dry Density lbs./cu.ft.	Fill Moisture %	Test Dry Density lbs./cu.ft.	% of Maximum Dry Density	Daily Report Describing Compaction
113	17+20	1120		133.0	8.4	126.4	95	
114	17+26	1120		133.0	8.9	128.2	96	

SUPPLEMENTARY REPORT (Describe equipment used for hauling, spreading, watering, conditioning and compacting; also report thickness of lifts, and number of roller trips.)

SAME EQUIPMENT USED.

CONTRACTOR CONTINUING TO USE THE SAME METHOD OF ROAD BASE PLACEMENT AND THE SAME COMPACTION ON PAVING MATERIALS.

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927.3 (1-86)

DAMES & MOORE