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: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 12-13-02	Day of Week: FRI
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: VICK REYLER	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
67	24+70	1208		125.0	10.4	107.7	86	RETEST NO. 68
68	24+70	1208		125.0	9.8	113.5	91	

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 THE
SAME METHOD OF BACKFILLING
AND THE SAME COMPACTION
OPERATION ON TRENCH
BACKFILL MATERIAL.

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927.3 (1-86)

DAILY FIELD REPORT

Job No. 12650

Page 1 of 1

Job Location: SAN BERNARDINO CA.	Client or Owner: EPA / SBMWD / CH2MHILL / URS		Report Sequence No.
General Location of Fill: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCO PIPELINE	Date: 1-7-03	Day: FRI
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICKELL	HRS Charged
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIKTLEY	Assistants	HRS Charged

Source and Description of Fill Material	Weather	APPROXIMATE YARDAGE	
	CLEAR	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
69	159+85	1072		120.0	14.8	110.4	92	
70	157+50	1093		120.0	12.3	112.9	94	
71	154+75	1096		120.0	14.4	109.3	91	
72	153+00	1078		122.7	12.7	109.2	72	

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

EQUIPMENT USED:

1-410G JOHN DEERE BACKHOE WITH STEEL PAD WHEEL

1-410E JOHN DEERE BACKHOE.

CONTRACTOR PLACING TRENCH BACKFILL MATERIALS IN LIFTS WITH BACKHOE, OVER PIPE ZONE.

CONTRACTOR USING COMPACTED SAND IN PIPE ZONE AS BACKFILL MATERIAL.

CONTRACTOR USING SHEEPSFOOT WHEEL TO COMPACT EACH LIFT OF TRENCH BACKFILL PLACED.

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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 of Week**
DIP TRENCH BACKFILL	MUSCOY PIPELINE	1-21-03 TUE
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer HRS Charged**
URS CORP.	EL-CO CONTRACTORS, INC.	NICKREVEK
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 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	10+35	1100		120.0	13.8	109.3	91	
74	12+25	1099		120.0	11.6	112.0	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 PLACE THE TRENCH BACKFILL IN THE PIPE TRENCH IN EVEN LIFTS WITH BACKHOE. BACKHOE SPREADING BACKFILL MATERIAL OUT IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEPSFOOT WHEEL.

CONTRACTOR USED COARSE SAND IN PIPE ZONE (BIRD'S EYE).

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927.3 (1-88)

DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location: SAN BERNARDINO, CA	Client or Owner: EPA / SBMWD / CH2M HILL / URS		Report Sequence No.
General Location of Fill: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 1-22-03	Day: WED
General Contractor: URS CORP	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICK REED	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
75	13+10	1100		120.0	11.7	111.7	93	
76	15+00	1104		120.0	12.3	104.6	87	RETEST NO. 75
77	16+40	1103		120.0	13.3	108.0	90	
78	15+00	1104		120.0	13.9	110.2	92	

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 PLACING COARSE FILL SAND (BIRDS EYE) IN PIPE ZONE WITH BACKHOE.

CONTRACTOR PLACING TRENCH BACKFILL IN EVEN LIFTS WITH BACKHOE IN PIPE TRENCH.

CONTRACTOR USING BACKHOE WITH SHEEPS-FOOT WHEEL TO COMPACT EACH LIFT OF TRENCH BACKFILL PLACED.

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DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location	Client or Owner	Report Sequence No.
SAN BERNARDINO CA.	EPA / SBMWD / CH2M HILL / URS 254	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of Week
DIP TRENCH BACKFILL	MUSCOY PIPELINE	1-23-03	THUR

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

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

Source and Description of Fill Material	Weather
	OVERCAST

	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
79	17+35	1104		120.0	13.1	109.1	91	
80	19+25	1106		120.0	14.2	110.6	92	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACK FILL MATERIAL.

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DAILY FIELD REPORT

Job No. 12600

Page 1 of 1

Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CAZ/HILL/URS CORP.		Report Sequence No.
General Location of Fill: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 1-24-03	Day: FRI
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS INC.	Job Engineer: NICK REYES	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
81	19+00	1108		120.0	12.1	113.1	94	
82	19+75	1106		120.0	11.9	111.8	93	
83	20+25	1109		120.0	13.6	109.3	91	
84	21+00	1108		120.0	14.5	110.8	92	

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
THE SAME METHOD OF
BACKFILLING AND THE
SAME COMPACTION OPERATION
ON THE TRENCH BACKFILL
MATERIAL.

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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		Report Sequence No.
General Location of Fill: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 1-27-03	Day of Week: MON
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICK REHEK	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
85	22+00	1110		120.0	14.4	103.5	86	RETEST NO. 87
86	23+00	1112		120.0	11.9	111.4	93	
87	22+00	1110		120.0	13.8	109.3	91	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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DAILY FIELD REPORT

12600

Page 1 of 1

Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2MHILL/URS	Report Sequence No.
General Location of Fill: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 1-28-03 Day: — Week: 3
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICKREYEK 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
88	23+25	1113		133.0	8.8	123.8	93	
89	23+60	1112		133.0	9.2	122.7	92	
90	24+10	1114		133.0	8.7	125.3	94	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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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: D.I.P. TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 1-29-03 / Day of Week: WED
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC	Job Engineer: NICK REYES / 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	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.							
91	25+25	1114		120.0	11.3	109.9	91	
92	26+00	1115		120.0	13.0	109.1	90	
93	26+70	1116		120.0	12.8	113.2	94	

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 THE SAME METHOD OF BACKFILLING, AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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DAILY FIELD REPORT

12600

Page 1 of 1

Job Location: SAN BERNARDINO, CA	Client or Owner: EPA/SBMWD/CH2M HILL/URS CORP.	Report Sequence No.
General Location of Fill: D.I.P. TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 1-30-03
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC	Job Engineer: NICK REULEX
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants
Source and Description of Fill Material	Weather: CLEAR	

	APPROXIMATE YARDAGE	
	Total Req'd.	Placed this Shift 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
94	27+75	1115		120.0	13.6	104.6	87	RETEST OF 93
95	29+00	1116		120.0	12.1	111.6	93	
96	27+75	1115		120.0	13.3	109.5	91	
97	30+50	1117		120.0	11.4	110.6	92	

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 THE SAME METHOD OF BACKFILLING, AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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DAILY FIELD REPORT

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 We
D.I.P. TRENCH BACKFILL	MUSCOY PIPELINE	1-31-03	FRI

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

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	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.							
98	31+25	1116		20.0	12.3	107.7	90	
99	32+60	1117		20.0	11.0	112.9	94	
100	34+10	1115		20.0	12.9	109.5	91	

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 THE SAME METHOD OF BACKFILLING, AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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DAILY REPORT OF

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 We
DIP TRENCH BACKFILL	MUSCOY PIPELINE	2-3-03	T N

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

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	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.							
101	33+00	1115		120.0	12.5	112.0	93	
102	31+20	1114		120.0	11.4	110.2	92	

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 USED COARSE SAND IN PIPE ZONE (BIRDS EYE)

CONTRACTOR CONTINUING TO PLACE THE TRENCH BACKFILL IN THE PIPE TRENCH IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEP'S FOOT WHEEL.

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927.3 (1-86)

DAILY FIELD REPORT

12603

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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
DIP TRENCH BACKFILL	MUSCOY PIPELINE	2-21-03	FRI

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

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
103	176+25	1082		116.0	13.6	105.3	91	
104	177+50	1085		112.0	14.2	1069	92	
105	179+00	1084		116.0	12.8	108.3	93	
106	181+50	1087		116.0	13.2	105.6	91	

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 PLACING TRENCH BACKFILL MATERIAL IN EVEN LIFTS WITH BACKHOE, OVER PIPELINE EXCAVATOR SPREADING TRENCH BACKFILL MATERIAL OUT IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEPSFOOT WHEEL. CONTRACTOR COMPACTED EACH LIFT PLACED.

CONTRACTOR USED (BIRDS EYE) COARSE SAND IN PIPE ZONE.

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927.3 (1-86)

Rivers & Moore

DAILY FIELD REPORT

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
DIP TRENCH BACKFILL	MUSCOY PIPELINE	3-4-03		

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

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	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.							
107	114+00	1130		123.0	11.9	113.4	92	
108	115+30	1131		123.0	10.7	110.5	90	
109	116+75	1129		123.0	11.4	112.2	91	
110	119+10	1127		123.0	12.5	109.3	88	RETEST NO. 113
111	119+80	1126		123.0	11.5	110.8	90	
112	121+50	1123		123.0	10.3	114.7	93	
113	119+10	1127		123.0	12.0	112.9	92	

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 (BIRDS EYE) IMPORTED COARSE FILL SAND IN PIPE ZONE, PLACING IN TRENCH WITH BACKHOE.

CONTRACTOR STARTED TO PLACE THE TRENCH BACKFILL IN THE PIPE TRENCH IN EVEN LIFTS WITH BACKHOE. TRACK EXCAVATOR SPREADING BACKFILL MATERIAL OUT IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEPS FOOT WHEEL. CONTRACTOR USING BACKHOE TO COMPACT THE TOP OF TRENCH BY RUBBERTIRE ROLLING.

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927.3 (1-86)

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 We**
DIP TRENCH BACKFILL	MUSCOY PIPELINE	3-6-03	THUR
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer**	**HRS Char**
URS CORP	EL-CO CONTRACTORS INC.	NICK REYLER	
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-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
114	122+25	1123		123.0	13.4	111.9	91	
115	123+45	1123		133.0	9.1	123.8	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 (BIRDS EYE) IMPORTED VERY COARSE FILL SAND IN PIPE ZONE, PLACING SAND IN TRENCH WITH BACKHOE.

CONTRACTOR CONTINUING TO PLACE THE TRENCH BACKFILL IN THE PIPE TRENCH IN EVEN LIFTS WITH BACKHOE. EXCAVATOR SPREADING TRENCH BACKFILL MATERIAL OUT IN THIN EVEN LIFTS, BEFORE COMPACTING WITH SHEEPSFOOT WHEEL. CONTRACTOR USING BACKHOE TO COMPACT THE TOP OF TRENCH BY RUBBER TIRE ROLLING.

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

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of We
DIP TREKH BACKFILL	MUSCOY PIPELINE	3-7-03	21

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

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	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.							
116	124+40	1121		123.0	10.8	113.5	92	
117	125+50	1122		123.0	13.6	111.1	90	
118	126+20	1120		123.0	12.1	114.3	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 CONTINUED TO USE THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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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	
General Location of Fill	**Purpose of Fill or Nature of Structure to be Supported**	**Date / Day of Week**
D.I.P. TRENCH BACKFILL	MUSCOY PIPELINE	3-10-03 MON
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer / HRS Charg**
URS CORP.	EL-CO CONTRACTORS, INC.	NIKREITER
Contractor's Shift	**Contractor's Superintendent or Foreman**	**Assistants / HRS Charg**
	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	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
119	STATION NO. 127+00	1119		123.0	10.1	107.5	87	REPEAT NO. 12
120	129+40	1118		123.0	12.4	112.1	91	
121	127+00	1119		123.0	10.0	111.0	90	
122	129+00	1117		123.0	11.8	111.9	91	

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 (BIRDS EYE) IMPORTED COARSE FILL SAND IN PIPE ZONE, PLACING IN TRENCH WITH BACKHOE. CONTRACTOR CONTINUING TO PLACE THE TRENCH BACKFILL IN THE PIPE TRENCH IN LIFTS WITH BACKHOE, USING TRACK EXCHVIATOR TO SPREAD BACKFILL MATERIAL OUT IN EVEN LIFTS IN PIPETRENCH. CONTRACTOR USING SHEEPSFOOT WHEEL TO COMPACT EACH LIFT PLACED IN PIPE TRENCH.

CONTRACTOR USING BACKHOE TO COMPACT THE TOP OF TRENCH BY RUBBER TIRE ROLLING.

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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: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 3-12-03	Da We D
General Contractor: URS CORP	Grading or Earthwork Contractor: EL-CO CONTRACTORS INC.	Job Engineer: NICK KERR	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
123	130+25	1117		123.0	13.0	115.7	94	
124	132+10	1115		123.0	11.9	111.6	91	
125	133+00	1116		123.0	10.8	1114.7	93	
126	133+45	1115		123.0	12.7	113.6	92	
127	134+75	1114		123.0	11.5	110.5	90	
128	136+30	1112		123.0	13.6	112.4	91	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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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/EBMUD/CH2MHILL/URS CORP.	

General Location of Fill	Purpose of Fill or Nature of Structure to be Supported	Date	Day of Week
D.I.P. TRENCH BACKFILL	MUSCOY PIPELINE	3-14-03	FRI

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

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

Source and Description of Fill Material	Weather
	CLEAR

	APPROXIMATE YARDAGE		
	Total Rec'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
129	138+00	1112		123.0	11.4	114.1	93	
130	139+50	1111		123.0	10.6	113.2	92	
131	141+10	1108		123.0	12.9	111.1	90	
132	142+75	1107		123.0	13.3	113.2	92	
133	143+65	1106		123.0	11.2	115.7	94	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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927.3 (1-86)

DAILY FIELD REPORT

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Page 1 of 1

Job Location	Client or Owner	Report Sequence No.	
SAN BERNARDINO CA	[illegible] / CH2M HILL / [illegible]		
General Location of Fill	**Purpose of Fill or Nature of Structure to be Supported**	**Date**	**Day of Week**
D.I.P. TRENCH BACKFILL	MUSCOY PIPELINE	4-9-03	1 [illegible]
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer**	**HRS Charg**
URS CORP.	EL-CO CONTRACTORS INC.	[illegible]	
Contractor's Shift	**Contractor's Superintendent or Foreman**	**Assistants**	**HRS Charg**
	TROY KIRTLEY		

Source and Description of Fill Material	Weather
	[illegible]

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
134	10+30	1121		[illegible]	11.3	113.6	92	
135	10+75	1123		[illegible]	12.6	[illegible]	93	

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

1- BACKHOE WITH SHEEPSFOOT WHEEL 1- WATER TRUCK

1- BACKHOE.

CONTRACTOR PLACING TRENCH BACKFILL MATERIAL IN EVEN LIFTS WITH BACKHOE OVER PIPELINE. BACKHOE WITH SHEEPSFOOT WHEEL FIRST SPREADING TRENCH BACKFILL MATERIAL OUT IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEPSFOOT WHEEL. CONTRACTOR COMPACTED EACH LIFT PLACED UNTIL DISIRED GRADE WAS OBTAIN. CONTRACTOR MOISTURE CONDITIONED BACKFILL MATERIAL DURING PLACEMENT OPERATIONS WITH WATER TRUCK

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927.3 (1-86)

DAMES & MOORE

DAILY FIELD REPORT

Job No. 12650

Page 1 of 1

Job Location: SAN BERNARDINO CA	Client or Owner: EPA/SBMWD/CH2M HILL/URS	Report Sequence No.	
General Location of Fill: D.I.P. TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 4-10-03	Day of Week: THURS.
General Contractor: URS CORP	Grading or Earthwork Contractor: EL-CO CONTRACTORS INC.	Job Engineer: [illegible]	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
136	11+25	1120		124.0	13.5	111.7	90	
137	11+60	1122		124.0	10.1	113.2	91	
138	12+25	1121		124.0	11.4	115.5	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 CONTINUED TO USE THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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927.3 (1-86)

DAILY FIELD REPORT

12[illegible]

Page 1 of 1

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 We**
D.I.P. TRENCH BACKFILL	MUSCOY PIPELINE	4-11-03	1
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer**	**HRS Char**
URS CORP.	EL-CO CONTRACTORS, INC.	[illegible]	
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-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
139	12+75	1120		124.0	11.8	116.6	94	
140	13+50	1121		124.0	10.7	113.8	92	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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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/URSCORP.		Report Sequence No.
General Location of Fill: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 2-5-03	Day of Week: TUE
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS INC.	Job Engineer: [illegible]	HRS Charge
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charge

Source and Description of Fill Material	Weather: OVERCAST	
	APPROXIMATE YARDAGE	
	Total Reqd.	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
141	14+50	1120		124.5	10.7	113.0	90	
142	15+40	1119		124.5	11.3	111.4	89	
143	16+00	1117		124.5	12.1	114.3	92	

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 PLACING TRENCH BACKFILL MATERIAL IN EVEN LIFTS WITH BACKHOE OVER 6" LIFTS. BACKHOE WITH SHEEPSFOOT WHEEL SPREADING TRENCH BACKFILL MATERIAL OUT IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEPS FOOT WHEEL. CONTRACTOR WOSTEN THE TRENCH BACKFILL MATERIAL DURING SPREADING AND COMPACTING OPERATIONS WITH WATER TRUCK. CONTRACTOR COMPACTED EACH LIFT PLACED UNTIL DESIRED GRADE WAS OBTAINED.

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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: DIP TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 4-17-03	Day of Week: TH...2
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC	Job Engineer: NICKELL	HRS Charge
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charge

Source and Description of Fill Material

Weather: OVERCAST

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
144	17+10	1115		124.0	12.9	113.4	93	
145	17+20	1118		124.0	11.6	113.3	91	

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 THE SAME METHOD OF BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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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/URSCORP	Report Sequence No.	
General Location of Fill: D.I.P. TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 4-18-03	Day of Week: FRI
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NECKEMEK	HRS Charge
Contractor's Shift	Contractor's Superintendent or Foreman: TROY KIRTLEY	Assistants	HRS Charge

Source and Description of Fill Material

Weather: OVERCAST

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.							
146	16+95	1118		124.0	13.1	114.2	92	
147	16+50	1116		125.0	12.6	112.6	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 BACKFILLING AND THE SAME COMPACTION OPERATION ON THE TRENCH BACKFILL MATERIAL.

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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: D.I.P. TRENCH BACKFILL	Purpose of Fill or Nature of Structure to be Supported: MUSCOY PIPELINE	Date: 4-21-03	Day of Week: M, J
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NIKKEREL	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 Rec'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
~~143~~	STATION NO. 16+25	1117		124.0	12.6	116.6	94	

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 PLACING TRENCH BACKFILL MATERIAL IN EVEN LIFTS WITH BACKHOE OVER PIPELINE. BACKHOE WITH SHEEPS FOOT WHEEL, SPREADING TRENCH BACKFILL MATERIAL OUT IN THIN EVEN LIFTS BEFORE COMPACTING WITH SHEEPS FOOT WHEEL.

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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 PIPE LINE	Date: 12-18-02	Day of Week: WED
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS INC.	Job Engineer: NICK REYEK	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
1	39+25	1195		131.0	10.3	127.6	97	
2	38+00	1196		131.0	8.1	121.9	93	[illegible]
3	36+50	1196		131.0	9.4	126.0	96	
4	38+00	1196		131.0	10.0	124.8	95	
5	39+50	1195		133.0	7.3	127.8	96	
6	38+00	1196		133.0	8.[illegible]	128.2	96	
7	36+25	1197		133.0	[illegible]	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.)

EQUIPMENT USED: 1- HYDROHAMMER
1-WATERTRUCK 2-DUMPTRUCKS 2-BACKHOES
1- DUAL VIBRATORY STEEL DRUM ROLLER.
CONTRACTOR USED HYDROHAMMER TO COMPACT
THE EXISTING TRENCH SURFACE. CONTRACTOR THEN
CUT PAVEMENT SECTION SUBGRADE WITH
BACKHOE THEN USED VIBRATING STEEL
DRUM ROLLER TO COMPACT SUBGRADE.
CONTRACTOR USED BACKHOE TO PLACE
BASE MATERIAL IN TRENCH LINE APPROX
6" THICK AFTER COMPACTING BASE IN PLACE
WITH WATERTRUCK AND ROLLER.

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927.3 (1-86)

DAVIS & MOORE

DAILY FIELD REPORT

Job No. 2600

Page of

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	[illegible]
General Contractor	**Grading or Earthwork Contractor**	**Job Engineer HRS Charge**
URS CORP	EL-CO CONTRACTORS INC.	[illegible]
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
8	35+50	1198		125.0	11.6	119.0	95	
9	34+00	1201		125.0	10.4	120.5	96	
10	35+75	1198		133.0	7.1	129.4	97	
11	34+20	1201		133.0	6.8	126.5	95	
12	32+25	1203		125.0	11.9	116.6	93	[illegible]
13	30+00	1207		125.0	9.7	120.1	96	
14	32+25	1203		125.0	10.6	121.6	97	
15	33+00	1203		133.0	7.7	130.[illegible]	98	
16	31+50	1205		133.0	8.4	127.8	96	
17	30+00	1207		133.0	7.0	129.1	97	

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

EQUIPMENT USED. 1-HYDRO HAMMER [illegible]
2-DUMP TRUCKS 2-BACKHOES 1-[illegible]
STEEL DRUM ROLLER.
CONTRACTOR USED HYDRO HAMMER TO [illegible]
THE EXISTING TRENCH SURFACE DOWN BELOW
[illegible] GRADE. CONTRACTOR THEN CUT PAVEMENT
SECTION SUBGRADE WITH BACKHOE. THEN
USED VIBRATING STEEL DRUM ROLLER TO
COMPACT SUBGRADE.
CONTRACTOR USED BACKHOE TO PLACE [illegible] MATERIAL
IN TRENCH PAVEMENT SECTION. [illegible]
IN PLACE WITH WATER TRUCK AND VIBRATING
ROLLER

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DAILY FIELD REPORT

Job No. 12600

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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: 12-23-02	Day of Week: MON
General Contractor: URS CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC.	Job Engineer: NICK REYNOLDS	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
18	27+25	1207		125.0	10.8	120.1	96	
19	28+00	1208		125.0	9.7	119.1	95	
20	26+30	1209		125.0	11.1	121.7	97	
21	25+25	1209		125.0	12.3	120.3	96	
22	27+00	1208		133.0	9.5	126.2	95	
23	27+25	1209		133.0	7.6	126.7	95	
24	25+00	1210		133.0	6.8	130.4	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 CONTINUED TO USE HYDRO HAMMER TO COMPACT THE EXISTING TRENCH SURFACE DOWN BELOW FINISHED GRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE, THEN USED 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 ROLLING AND VIBRATORY ROLLER AFTER AC SECTION WAS CUT WITH BACKHOE.

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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: 12-26-02	Day: THUR
General Contractor: URS. CORP.	Grading or Earthwork Contractor: EL-CO CONTRACTORS, INC	Job Engineer: NICK REED	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
25	24+00	121.1		125.0	9.9	120.0	96	
26	22-23	121.4		125.0	10.1	120.3	96	
27	1F-TB	121.3		125.0	12.0	118.6	95	
28	23+25	212		133.0	7.6	124.7	94	
29	21+00	120		133.0	9.3	130.7	98	
30	18+00	121.7		133.0	9.0	127.9	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 USED EXCAVATOR TO REMOVE THE EXISTING TRENCH SURFACE DOWN BELOW FINISH GRADE. CONTRACTOR THEN CUT PAVEMENT SECTION SUBGRADE WITH BACKHOE, THEN USED VIBRATORY STEEL DRUM ROLLER TO COMPACT SUBGRADE.

CONTRACTOR USED BACKHOE TO SPREAD BASE MATERIAL IN TRENCH PAVEMENT SECTION THEN COMPACTED IN PLACE WITH WATER TRUCK AND VIBRATORY ROLLER.

COPY SENT TO CLIENT ☐ CONTINUED ON NEXT PAGE ☐

927.3 (1-86)