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11:37 am, Apr 13, 2009

Alameda County
Environmental Health

**PEER REVIEW APPROVAL FORM
(Required for Remediation)**

Presenter: David De Witt **Date:** 5-03-2001

Reviewers: Ed Ralston, David Camille

Site Address: 96 MacArthur (Unit 251871) **City:** Oakland, CA

Lead Regulatory Agency: Alameda County - EHS

Case worker: Thomas Peabody

RWQCB: San Francisco Bay RWQCB

Site Conditions: Depth to GW 15'

Soil Type Coarse Medium Fine or Interbedded

Store #	251871
Report Type Code	CAP
Description	PRA Form
Date	5/3/01

Impact: Soil GW LPH (feet)

Max Conc TPHg	Soil 2000 ppm	GW - 620,000 ppb
Max Conc Benzene	Soil 97 ppm	GW - 9910 ppb
Max Conc MTBE	Soil 16 ppm	GW - 160,000

Groundwater Plume: On-site Only Off-site

Groundwater Basin Usage:

High Production/Risk	<input type="checkbox"/>
Low Production/Risk	<input type="checkbox"/>
No Production/Risk	<input checked="" type="checkbox"/>

Other Potential Sensitive Receptor Risk

Explain Plume not fully defined, CalTrans encroachment permits difficult to obtain for offsite work

Third Party Issues:

Explain Site currently operated by Qwik Stop Markets with fuel services

Agency Directive:

None RAP only RAP Source Removal RAP Soil
 RAP Soil and Groundwater Other RBCA already in place, High levels of MtBE need to be addressed

Date: 5-03-01

Deadline: NONE - see comments

Peer Review Approval Form (Form PR-1) page 1 (Continued)

TMC Environmental Compliance	Page	1 of 2
Expenditure Procedure Guidelines	Date	05/18/01
	Supercedes	09/20/99

Issues: Contamination levels resolved, sparge point moved for more effective system System is recommended to minimize impact on current operator of the site Currently no Agency directive, but would prefer to be proactive so as to be able to choose what we want for remediation

Presenters Recommendation(s):

NFA/Risk Evaluation Monitoring/Risk Eval Excavation
VES VES/AS Biovent/Biosparge Dual Phase
P&T Mobile Treatment
Equipment Purchase Lease Use Existing
Other KVA C-Sparge system

Remediation Time Remediation (yrs) 3 Monitoring (yrs) 5
Estimated Costs
Equipment \$ 40,000 Well Install \$ 15,000 System Install \$ 12,000
O&M 10,000/yr Groundwater Monitoring \$ 10,000/yr Total Cost \$ 147K

Reviewers Approval: Yes No (see action items below)

Reviewers Recommendations/Comments/Action Items:

DAVID C DJC

ED R DJC for ECR

Peer Members

DAVID DEWITT
Presenter

Jack Kall
Regional Manager

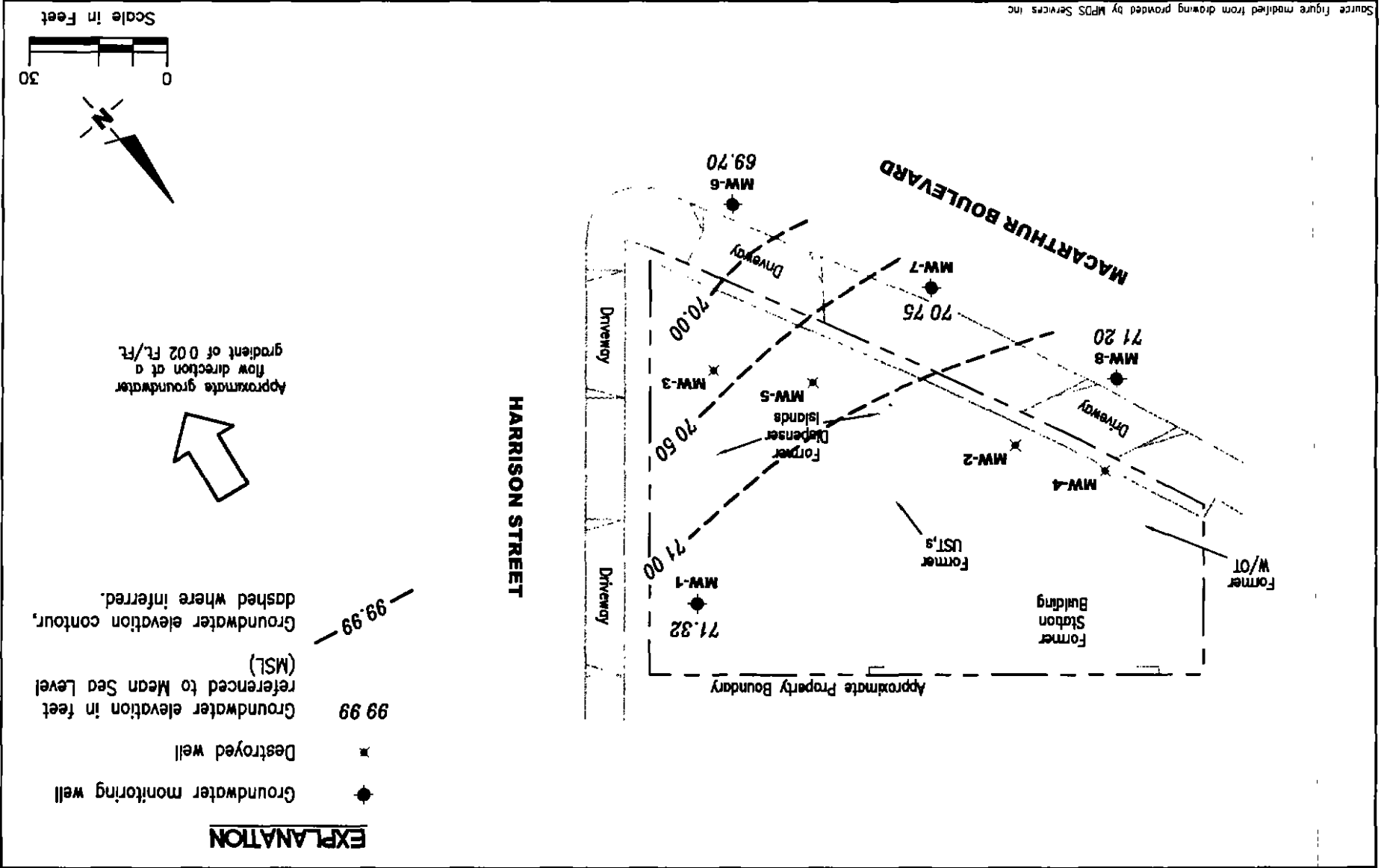
[Signature]
EC Director

Delay until Phillips can review

Peer Review Approval Form (Form PR-1) page 2

Source figure modified from drawing provided by MPDS Services Inc

FIGURE 1

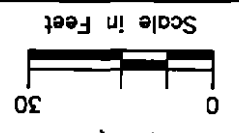


EXPLANATION

- ◆ Groundwater monitoring well
- ✱ Destroyed well

99 99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
 99 99 Groundwater elevation contour, dashed where inferred.

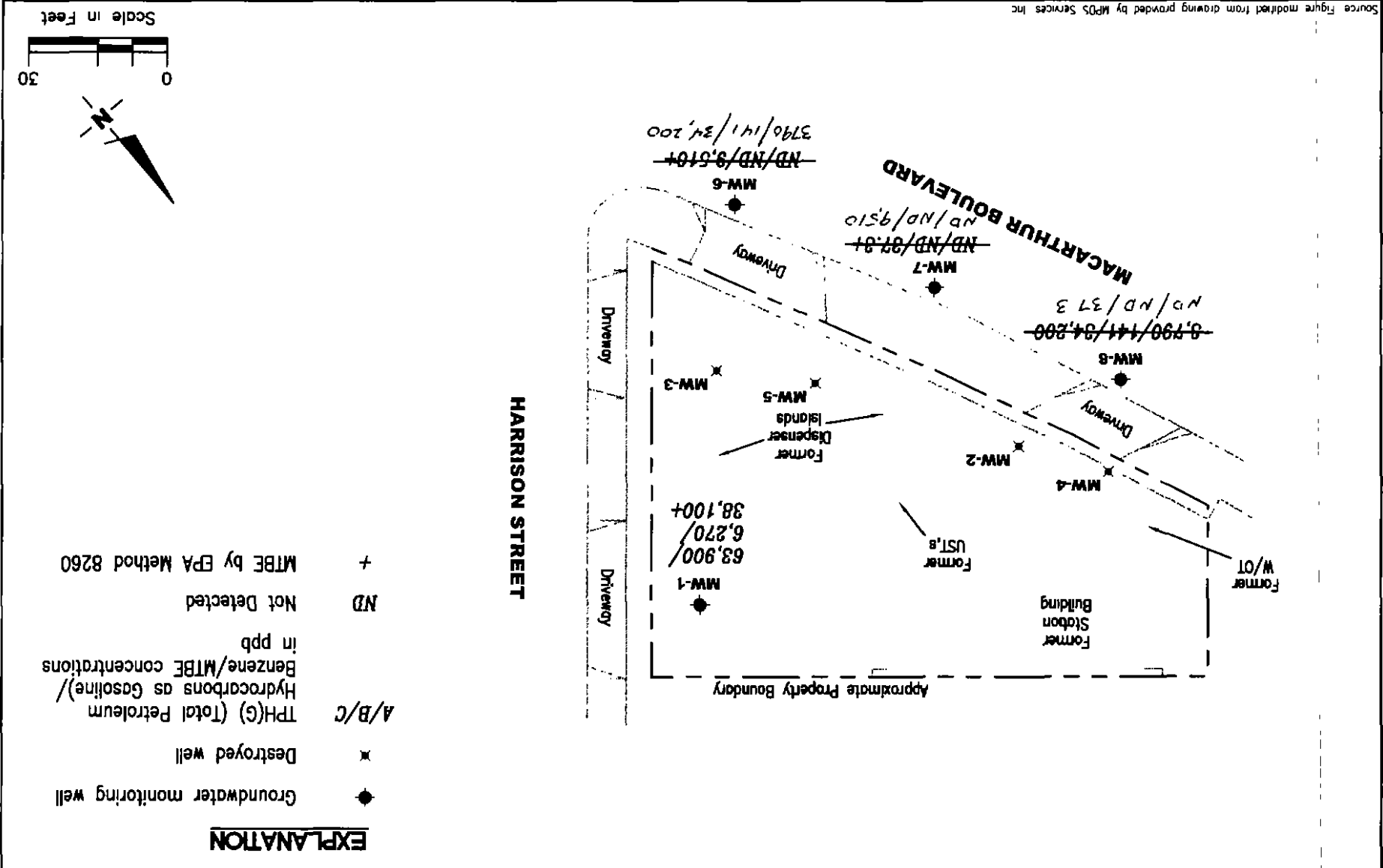
Approximate groundwater flow direction at a gradient of 0.02 Ft./Ft.



Source: Figure modified from drawing provided by MPDS Services Inc

2

FIGURE



**PEER REVIEW APPROVAL FORM
(Required for Remediation)**

Presenter: David De Witt

Date: May 4, 2001

Reviewers: Ed Ralston, Dave Camille

Site Address: Former Tosco Unit # 1871
96 MacArthur Blvd

City: Oakland

Lead Regulatory Agency: Alameda County Health Care Services

Case worker: Thomas Peacock

RWQCB: San Francisco Bay RWQCB

Site Conditions: Depth to GW 10 – 12'

Soil Type Coarse Medium Fine or Interbedded

Impact: Soil GW LPH (feet)

Max Conc TPHg. Soil 2000 ppm GW 110,000

Max Conc Benzene Soil 97 ppm GW 9910

Max Conc MTBE Soil 16 ppm GW 110,000

Groundwater Plume: On-site Only Off-site

Groundwater Basin Usage: High Production/Risk

Low Production/Risk

No Production/Risk

Other Potential Sensitive Receptor Risk

Explain Offsite residents could be impacted by high benzene concentrations in groundwater

Third Party Issues:

Explain Site is operated by Quik-Stop stores and is a leased property
Installation of C-Sparge system is preventative and minimally intrusive to current
business operations

Agency Directive:

None RAP only RAP Source Removal RAP Soil

RAP Soil and Groundwater Other

Date: _____

Deadline: _____

Issues: Location of C-Sparge units need to be effective, but minimally intrusive
This installation will not be the final solution

Presenters Recommendation(s):

NFA/Risk Evaluation Monitoring/Risk Eval Excavation
VES VES/AS Biovent/Biosparge Dual Phase
P&T Mobile Treatment
Equipment Purchase Lease Use Existing
Other _____

Remediation Time Remediation (yrs) 3
Estimated Costs

Monitoring (yrs) 5

Equipment \$30,000 Well Install \$ 10,000 System Install \$ 8,000
O&M \$ 8,000/yr Groundwater Monitoring \$ 6,000/yr Total Cost \$ 103,000

Reviewers Approval: Yes No (see action items below)

Reviewers Recommendations/Comments/Action Items:

CAMILIE DSC
RACSDW ELP

Peer Members

DAVID DELWITT
Presenter
[Signature]
Regional Manager

EC Director

PROJECT NUMBER
180068

REVIEWED BY

DATE

January 4, 2001

REVISED DATE

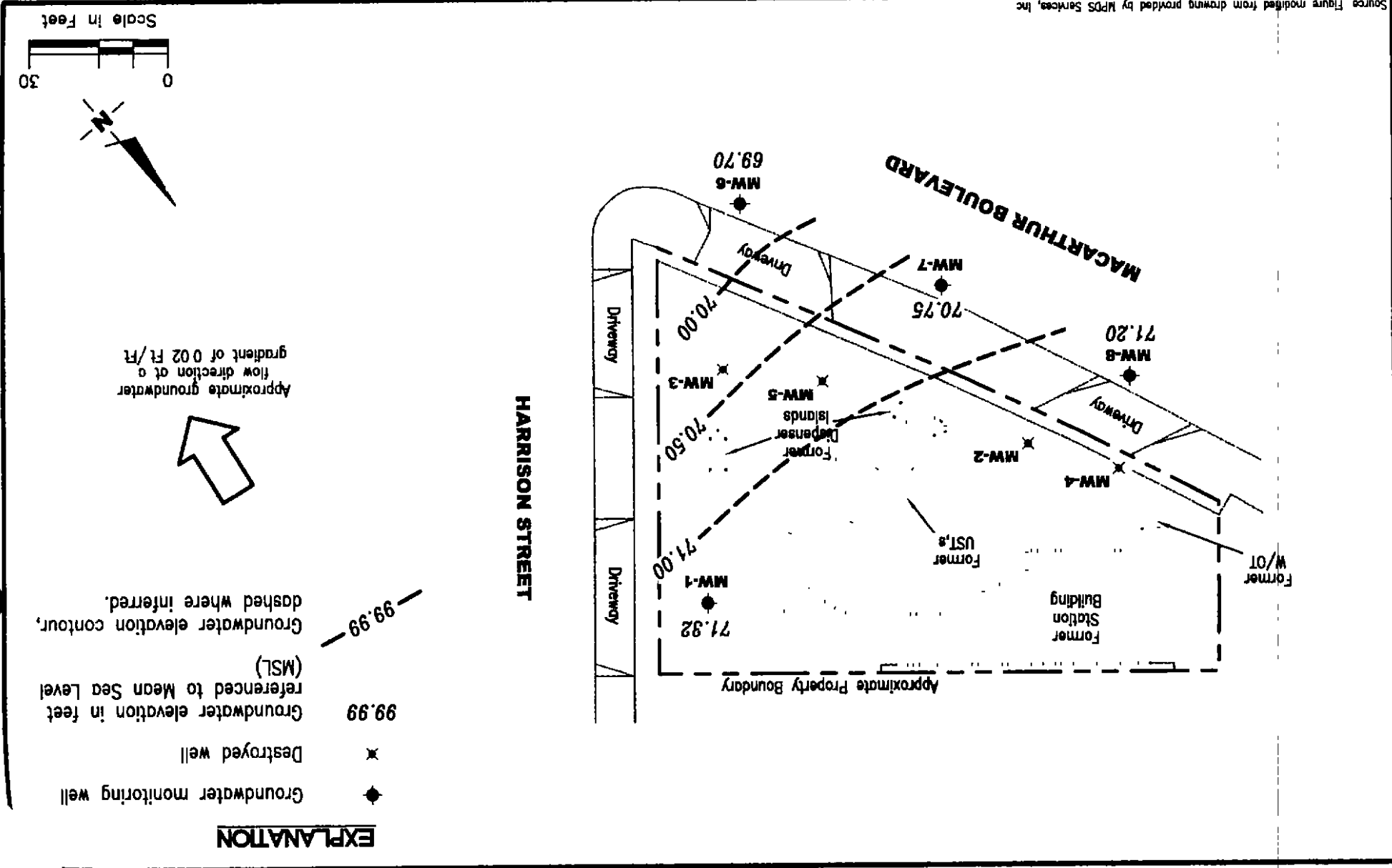


GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(925) 551-7555

POTENTIOMETRIC MAP
Tosco (Former Unocal) Service Station #1871
96 MacArthur Boulevard
Oakland, California

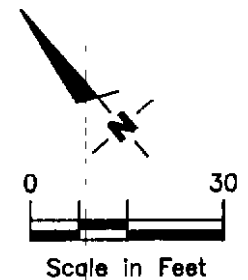
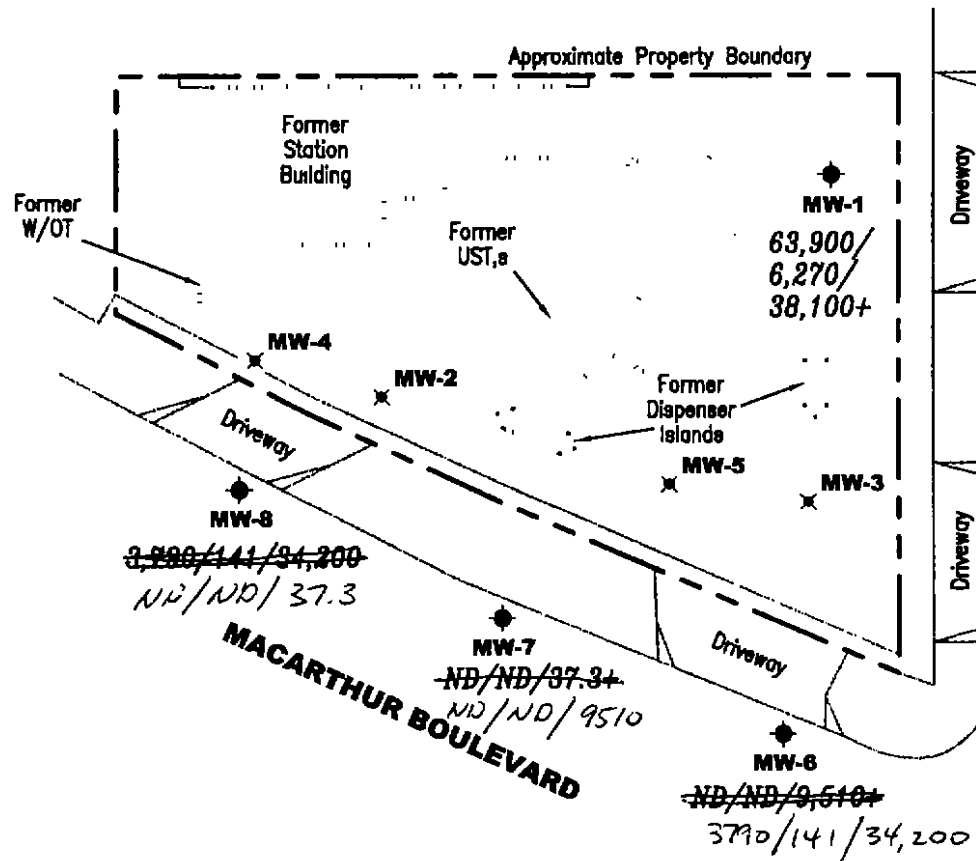
Source: Figure modified from drawing provided by MPDS Services, Inc.

FIGURE 1



EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Destroyed well
- A/B/C TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene/MTBE concentrations in ppb
- ND Not Detected
- + MTBE by EPA Method 8260



Source Figure modified from drawing provided by MPDS Services, Inc

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6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Tosco (Former Unocal) Service Station #1871
96 MacArthur Boulevard
Oakland, California

FIGURE
2

PROJECT NUMBER
180068

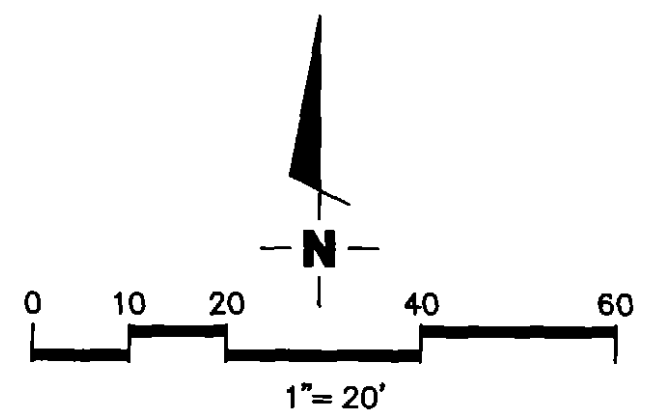
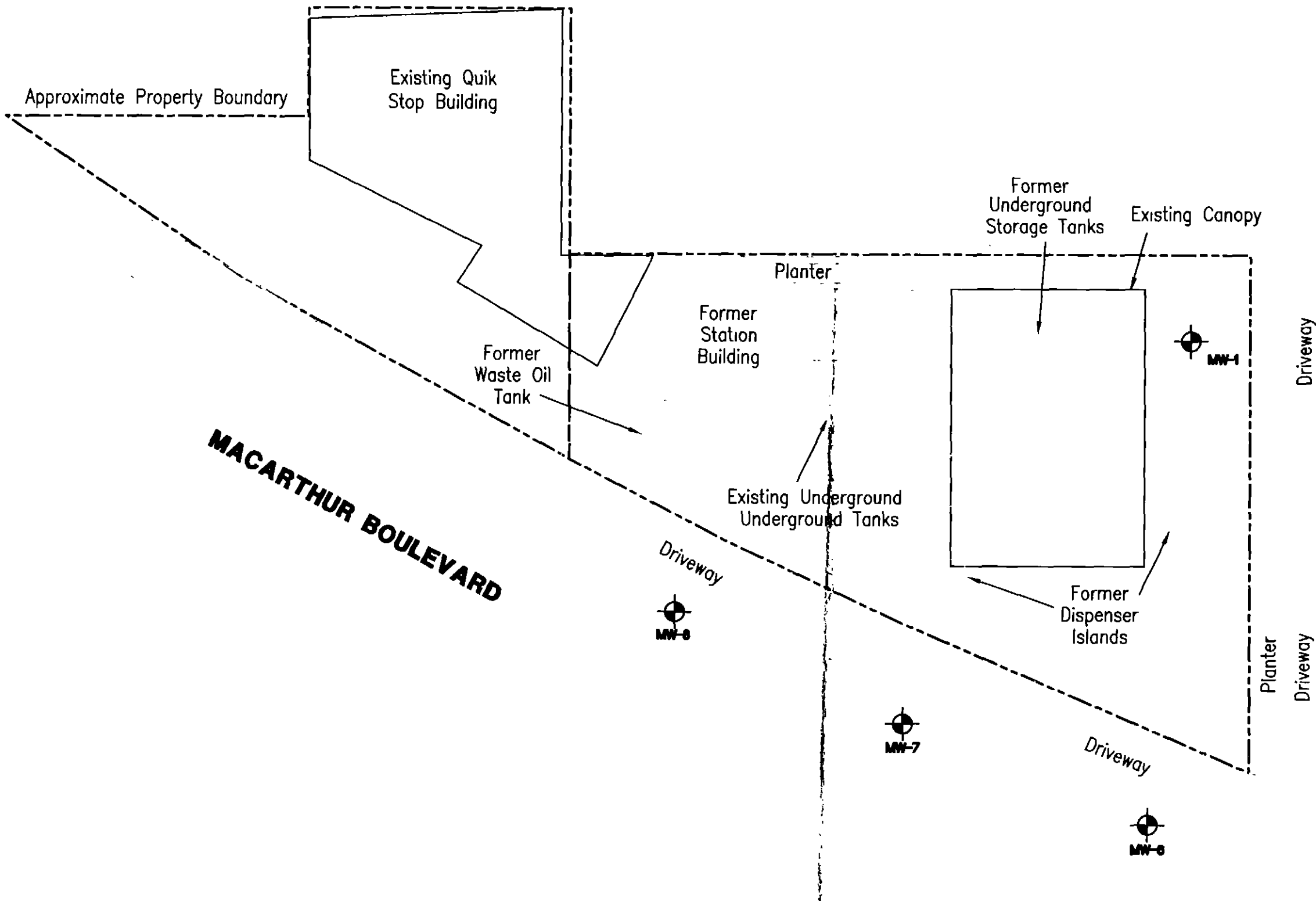
REVIEWED BY

DATE
January 4, 2001

REVISED DATE



EXPLANATION

 GROUNDWATER MONITORING WELL






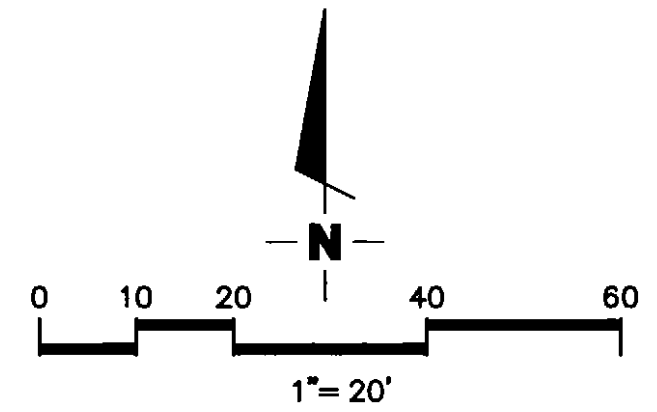
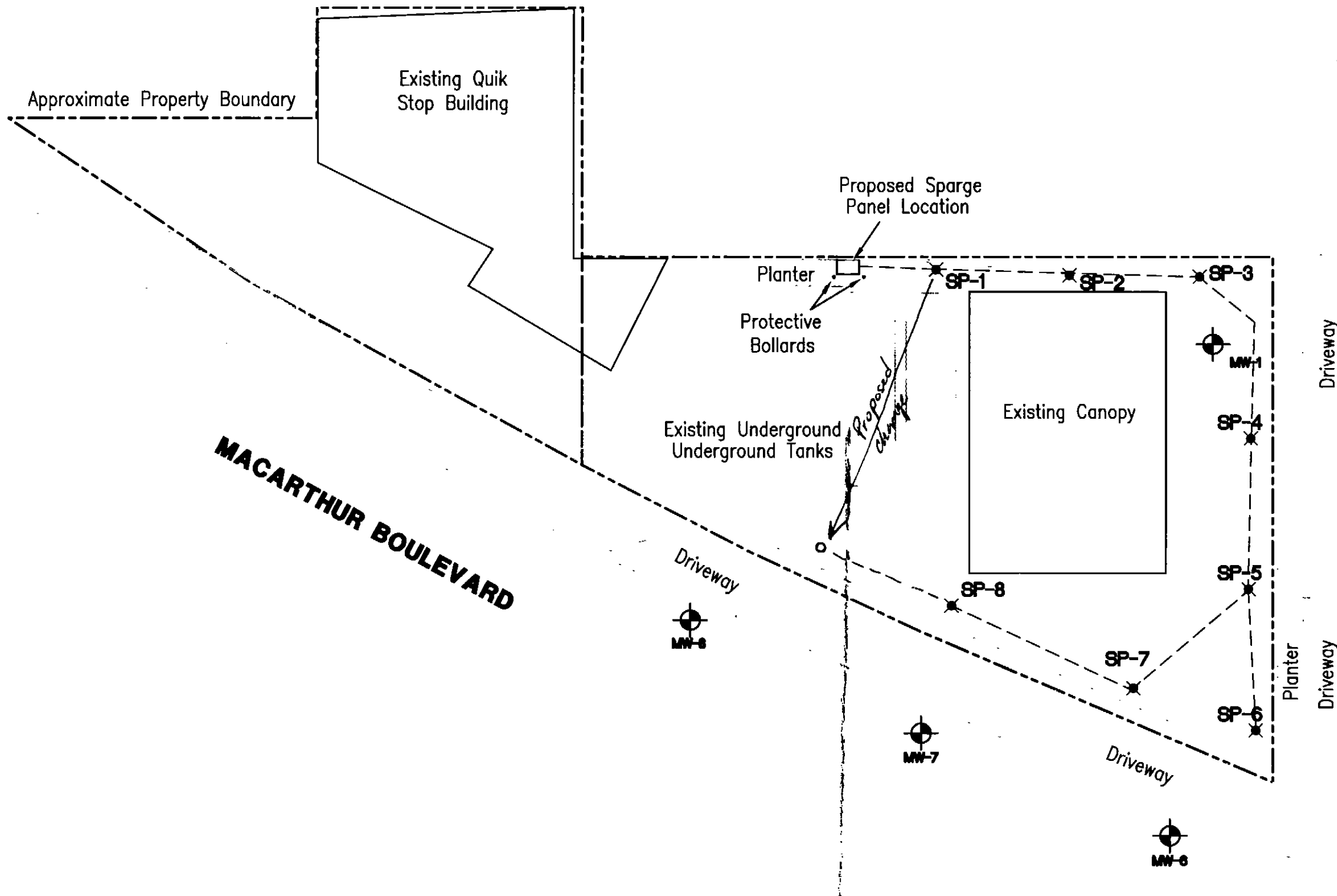
REV #	REVISION	BY	DATE

Source: Figure Modified From Drawing Provided
By MPDS Services, Inc. And From Survey Provided
By Virgil Chavez Land Surveying.

 Gettler - Ryan Inc. 6747 Sierra Ct., Suite J (925) 551-7555 Dublin, CA 94568	 1871-G1	PROJECT: 140165.09	TITLE: EXISTING SITE PLAN DRAWING No. G1
		FACILITY: FORMER TOSCO (76) STATION #1871	
96 MACARTHUR BOULEVARD	DATE: 4/01	SHEET 2 of 7	
		OAKLAND, CALIFORNIA	A

EXPLANATION

-  EXISTING GROUNDWATER MONITORING WELL
-  PROPOSED OZONE SPARGE POINT
-  PROPOSED OZONE TUBING TRENCH



REV #	REVISION	BY	DATE

Source: Figure Modified From Drawing Provided
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Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568



TOSCO

1871-G2

PROJECT: 140165.09	
FACILITY: FORMER TOSCO (76) STATION #1871	
96 MACARTHUR BOULEVARD	
OAKLAND, CALIFORNIA	
DATE: 4/01	SHEET 3 of 7

TITLE: NEW CONSTRUCTION SITE PLAN	
DRAWING No	G2
	A

1.0 General Requirements

- 1 Contractor is to comply with all Federal, State and local environmental laws and ordinances
- 2 Contractor is responsible for protecting the environment during construction by protecting trees and shrubs, containing any run-on or run-off, controlling dust, and containing any contamination caused by the contractor. TOSCO will be responsible for the disposal of soils and produced waters at an approved facility. The contractor shall dispose of all construction debris off site, including pavement removed during construction.
- 3 Specifications and notes supercede drawings—any conflict is to be brought to the attention of the TOSCO Representative for resolution
- 4 The consultant is responsible for preliminary building permit fees (review fees) and for discharge permits (AQMD, NPDES, etc.) All required construction permits and inspections (including all fees and bonds) for electrical, mechanical, and civil work shall be the responsibility of the contractor.
- 5 It is the contractor's responsibility to verify all dimensions and conditions before starting work. The consultant's PM shall be notified of any discrepancy
- 6 Construction areas are to be clearly marked with cones, barricades, or other approved safety markers as required by local codes to restrict access and provide a safe work area for the contractor, facility workers and customers
- 7 The contractor shall warrant all materials and workmanship for a period of one year. Defects shall be corrected at no cost to TOSCO
- 8 Contractor shall provide Consultant and TOSCO with a copy of signed-off building permits and "AS BUILT" drawings (accurately marked-up copies of original drawings) within 30 days of completion of construction.
- 9 Contractor shall notify the Consultant and the QuikStop facility manager 48 hours prior to the start of work.

2.0 Site Work

Earthwork for trenching

- 1 Existing pavement is to be saw cut when removed to provide a square vertical joint for repaving
- 2 Remove and store material encountered to obtain required sub-grade elevations, including pavement, obstructions visible on the ground surface, underground structures, and utilities indicated to be removed
- 3 Backfill trenches with bedding material after pipes have been tested. Hand tamp around pipes. Compact adequately to support surface material (asphalt or concrete)
- 4 Contractor shall make time and access allowances for TOSCO to conduct adequate soil sampling. TOSCO will provide, pay for, and direct all sampling and disposal of contaminated soil

Well Installation

- 1 Wells (if included) are to be constructed per specified design. Consultant/contractor is to procure and pay for any permits required
- 2 Well construction will meet any and all municipal codes affecting well construction
- 3 Contractor is to permanently label all wells on both the well-head piping (permanent ink) and on the top of the well cover (letter punch) with letters and numbers as shown in drawing G2.

Paving

- 1 Pavement shall be replaced with asphalt or concrete to match the existing pavement
- 2 Thickness and strength is to meet trenching requirements and to avoid sagging or cracking of pavement

3.0 Concrete

1. Provide cast-in-place concrete, poured over a prepared subgrade, where shown on the drawings as needed for a complete and proper installation
2. Concrete shall be a minimum of 2500 psi and shall have a finish to match existing

4.0 Process Equipment Installation

- 1 Equipment shall be placed in accordance with the New Construction Site Plan (G2) and the Process Flow Diagram (G4)
2. Contractor shall exercise due care to protect equipment from theft or damage

5.0 Equipment Enclosure



- 1 Contractor shall install the ozone sparge panel (supplied by Tosco) in a free-standing Type 12 enclosure. The enclosure size will be nominally 72 inches high by 36 inches wide by 18 inches deep. The ozone sparge panel will be mounted in the enclosure with at least 28 inches of free space above for future use. The enclosure shall be painted to match existing decor or local codes
- 2 The enclosure will be mounted on a 48 inch by 30 inch by 6 inch thick concrete pad
- 3 Consultant shall post the following signs: a) Proposition 65 warning (in California), b) No Smoking, and c) Emergency contact telephone number for the consultant
- 4 Contractor shall provide appropriate fire extinguisher to be kept inside enclosure.

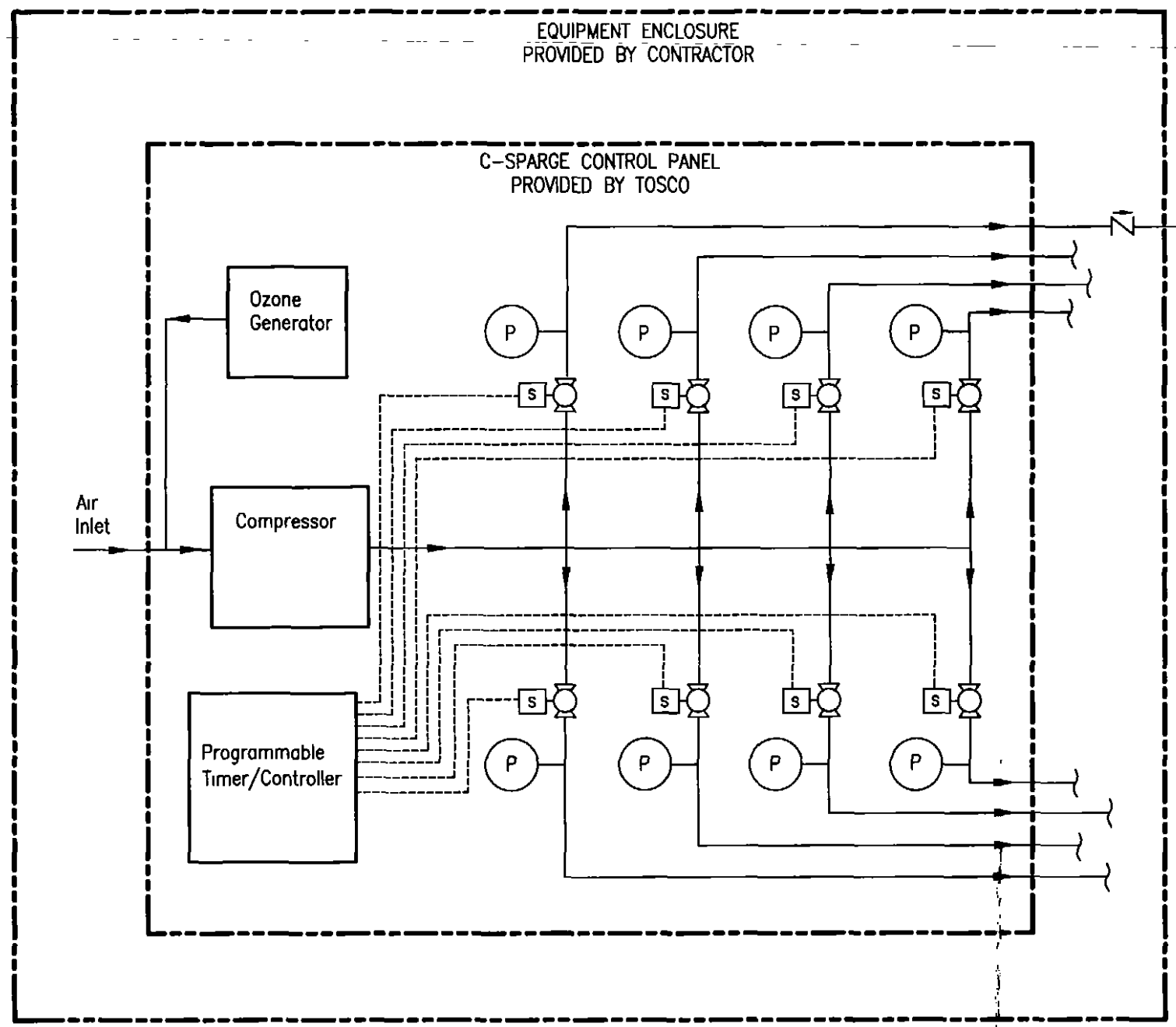
6.0 Piping and Valves

- 1 Installation details are provided in G5 Construction Details
- 2 All piping and conduit shall be supported, in accordance with local codes, to prevent sagging or over-stressing of the pipe and connections. All piping shall be supported so that no load or stress is transferred to any equipment
- 3 Process piping shall be labeled with flow direction and content
- 4 Where piping is routed above ground (inside the enclosure) the piping shall be supported by unistrut and shall be installed per local code.
- 5 Utility piping must be installed per local code which varies from city to city.
- 6 Secondary containment piping, where required, shall be schedule 40

7.0 Electrical See - G6 ELECTRICAL SINGLE LINE DRAWING

REV #	REVISION	BY	DATE

 Gettler - Ryan Inc. 6747 Sierra Ct., Suite J Dublin, CA 94568 (925) 551-7555	 1871-G3	PROJECT 140165.09	TITLE CONSTRUCTION NOTES
		FACILITY FORMER TOSCO (76) STATION #1871	
96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA			
DATE 4/01	SHEET 4 of 7	DRAWING No G3	A



LIST OF SYMBOLS

-  Pressure Gauge
0-100 psig
-  Solenoid Valve
-  Check Valve
(Provided by Tosco
Installed by Contractor)
-  Control Wiring
-  Microsparge Point



3/8" O D
LLDPE Tubing by
Contractor

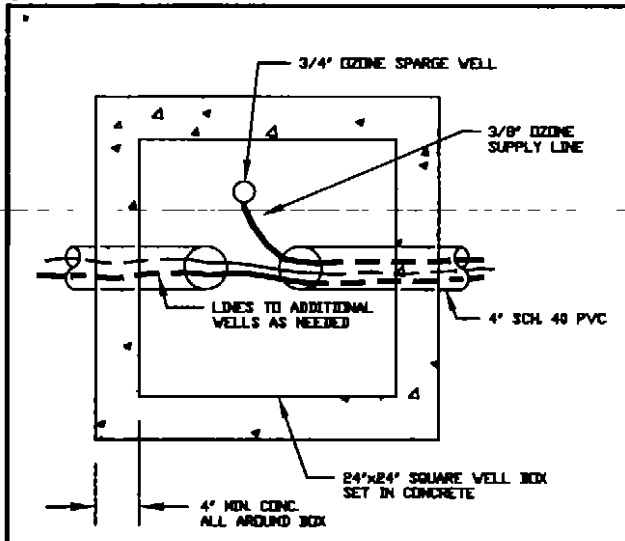
3/4" PVC
Well Casing
by Others

Microsparge
Point (Typical
- 8 points)
Installed by
others

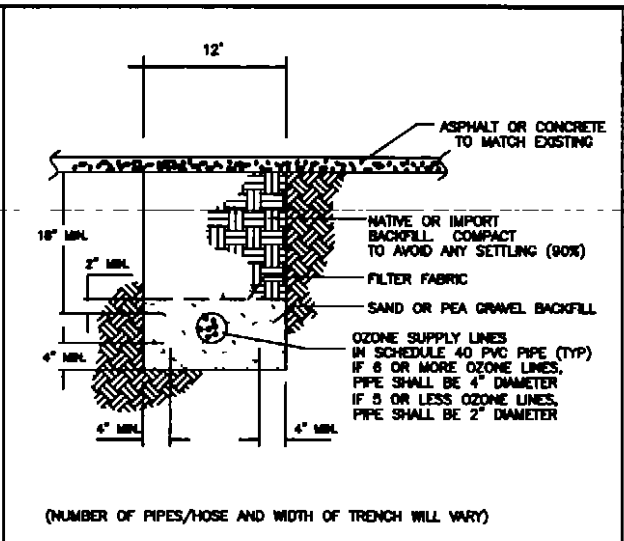
NOT TO SCALE

REV #	REVISION	BY	DATE

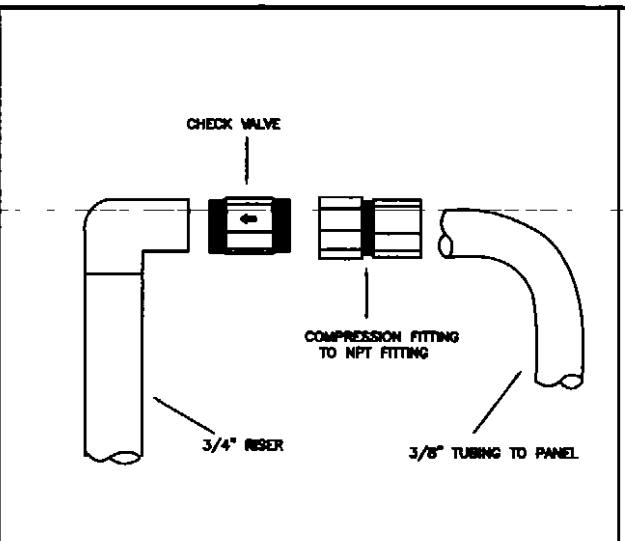
 Gettler - Ryan Inc. 6747 Sierra Ct., Suite J (925) 551-7555 Dublin, CA 94568	 1871-G4	PROJECT 140165 09	TITLE
		FACILITY FORMER TOSCO (76) STATION #1871	PROCESS FLOW DIAGRAM OZONE SPARGE SYSTEM
		96 MACARTHUR BOULEVARD	DRAWING No
		OAKLAND, CALIFORNIA	G4
		DATE 4/01	SHEET 5 of 7
			A



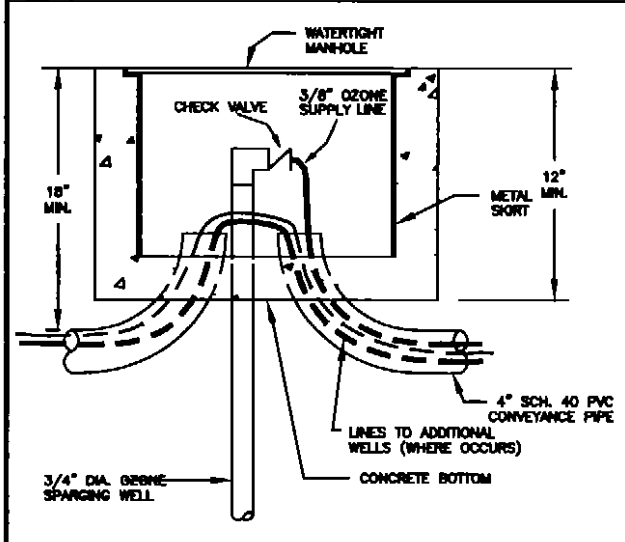
1
G5 AIR SPARGE WELL COMPLETION - PLAN VIEW
NOT TO SCALE



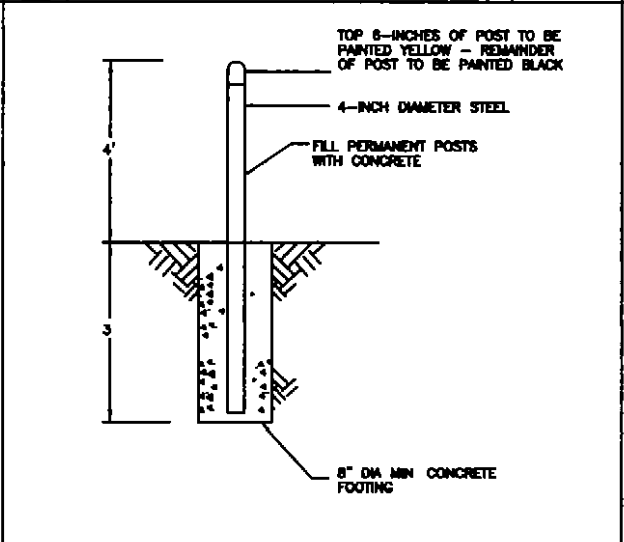
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GB SPARGE LINE TRENCH DETAIL
NOT TO SCALE



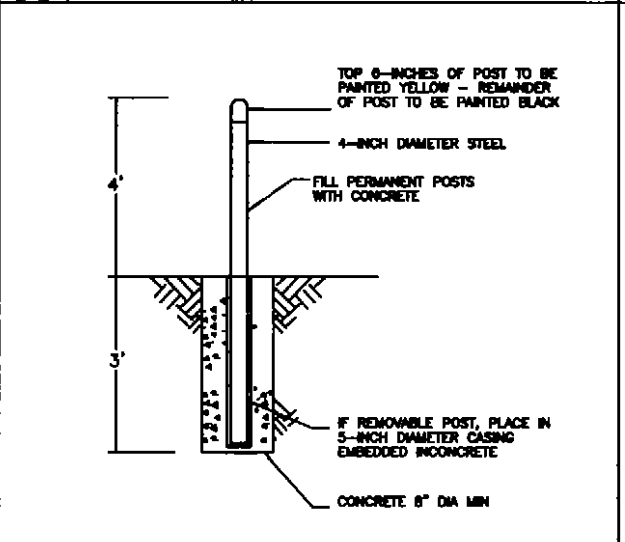
5
G5 OZONE SPARGE POINT CONNECTION DETAIL
NOT TO SCALE



2
G5 OZONE SPARGE WELL COMPLETION - ELEVATION
NOT TO SCALE





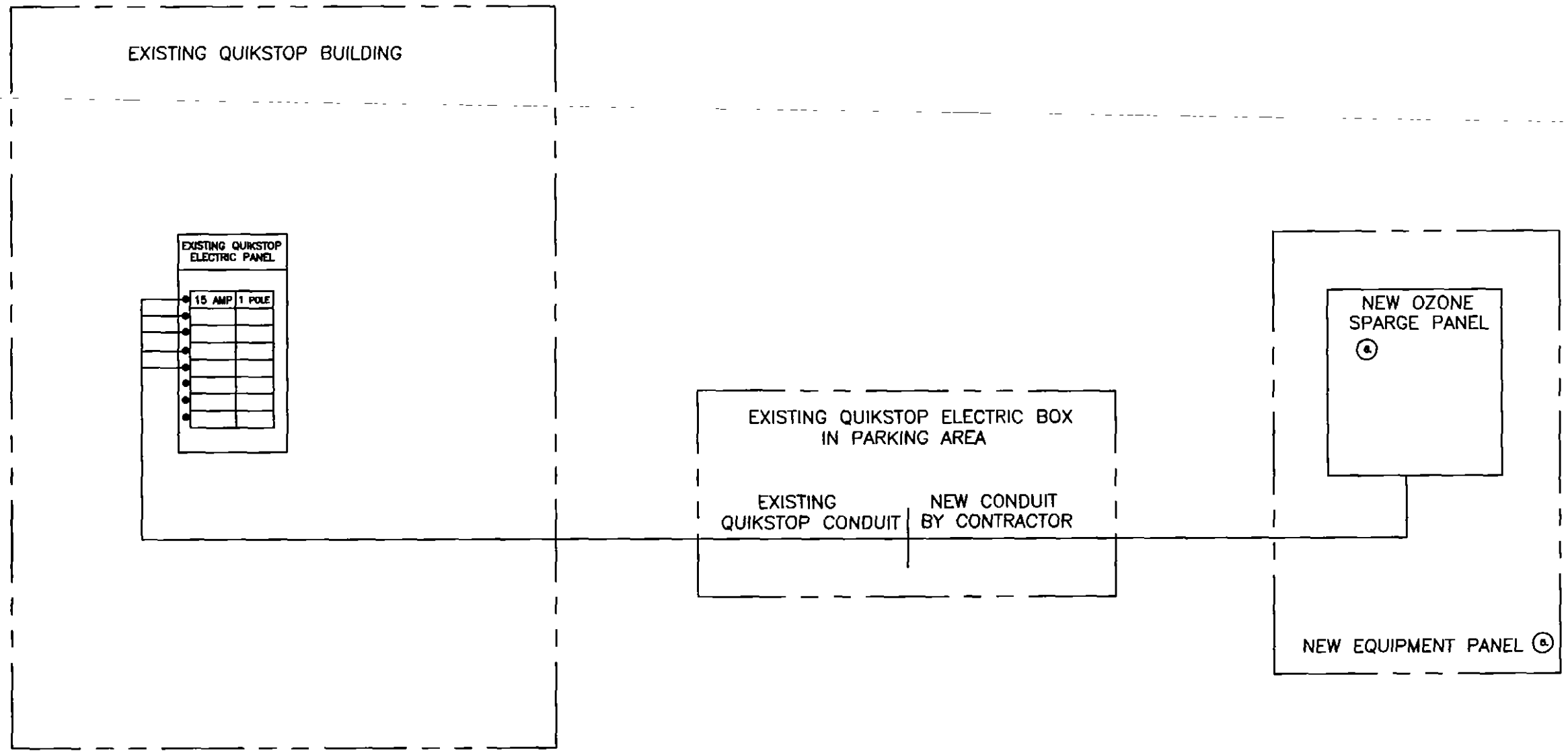
4
G5 FIXED PROTECTION POST DETAIL
NOT TO SCALE



6
G5 REMOVABLE PROTECTION POST DETAIL
NOT TO SCALE

REV #	REVISION	BY	DATE

 Gettler - Ryan Inc. 6747 Sierra Ct, Suite J (925) 551-7555 Dublin, CA 94568		PROJECT 140165.09	TITLE CONSTRUCTION DETAILS
		FACILITY FORMER TOSCO (76) STATION #1871	
DATE 4/01	SHEET 6 of 7	DRAWING No G5	





- NOTES:**
- 1 THE CONTRACTOR IS TO PROVIDE REQUIRED PANEL BOX AND BREAKERS FOR POWER. SERVICE AND METER ARE NOT EXISTING.
 - 2 CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY EQUIPMENT FOR ELECTRICAL SERVICE.
 - 3 THE ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF OSHA AND THE LATEST REVISION OF THE NEC AND THE NEC. THE INSTALLATION SHALL ALSO CONFORM TO ALL LOCAL ORDINANCES. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE IN ACCORDANCE WITH IEEE, ANSI, AND NEMA STANDARDS AND, WHERE APPLICABLE, HAVE THE UNDERWRITERS LABORATORIES APPROVAL AND LABEL OR FACTORY MUTUAL APPROVAL.
 - 4 ELECTRICAL WIRING SHALL BE APPROPRIATELY IDENTIFIED AND PERMANENTLY MARKED.
 - 5 THE ENCLOSURE SHALL BE CONSIDERED TO BE A NEMA 3R NON-HAZARDOUS ENVIRONMENT PER THE NEC, UNLESS: A) THE ENCLOSURE IS INSTALLED WITHIN AN AREA ALREADY RATED AS HAZARDOUS, OR TO THE RECOVERY/TREATMENT SYSTEM ITSELF WILL EMIT ENOUGH FLAMMABLES ITSELF TO GENERATE A HAZARDOUS ATMOSPHERE.
 - 6 OZONE SPARGE PANEL IS A COMPLETE UNIT PROVIDED BY TOSCO. ELECTRIC CONNECTION IS TO BE HARD WIRED.
 - 7 CONTRACTORS ELECTRICIAN SHALL BE KNOWLEDGEABLE IN THE INTRICACIES OF GASOLINE STATION ELECTRICAL INSTALLATION. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT THE EXISTING STATION WIRING IS NOT DAMAGED OR COMPROMISED AND THAT DISRUPTION TO STATION OPERATIONS ARE MINIMIZED.

ELECTRICAL LOAD SUMMARY

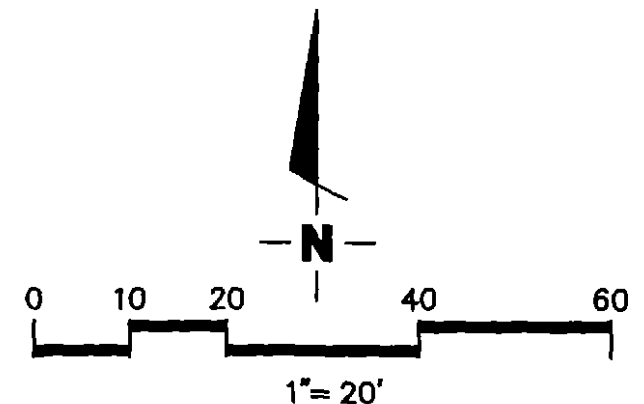
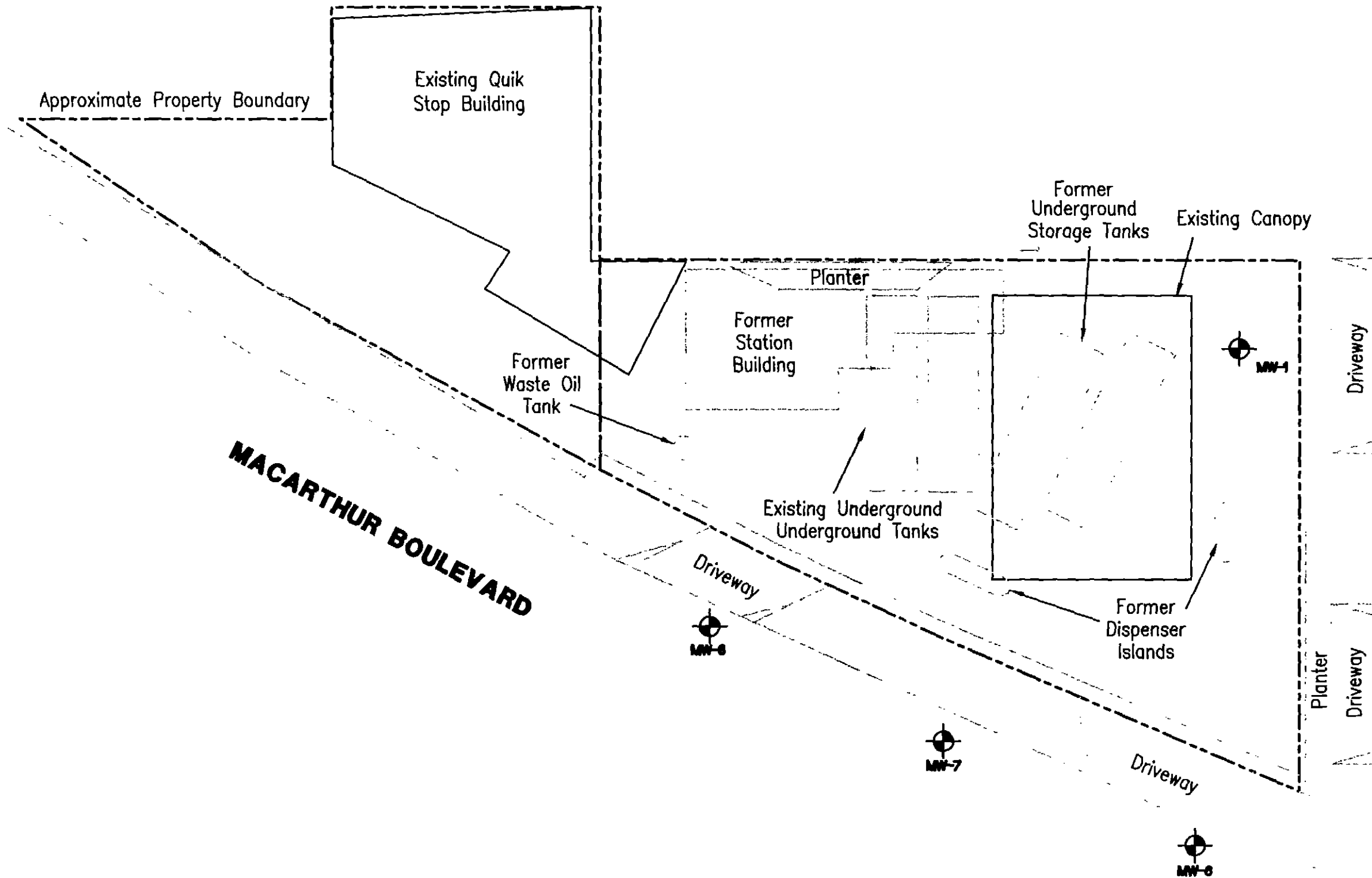
EQUIPMENT DESCRIPTION	LOAD OR H.P	VOLTS	PH	COMMENTS
C-SPARGE PANEL	15 AMP	120	1	

REV #	REVISION	BY	DATE

 Gettler - Ryan Inc. 8747 Sierra Ct., Suite J (925) 551-7555 Dublin, CA 94568		PROJECT 140165.09	TITLE ELECTRICAL SINGLE LINE DRAWING
		FACILITY FORMER TOSCO (76) STATION #1871	
96 MACARTHUR BOULEVARD	DRAWING No	G6	
		OAKLAND, CALIFORNIA	
		DATE 4/01 SHEET 7 of 7	A

EXPLANATION

 GROUNDWATER MONITORING WELL



REV #	REVISION	BY	DATE

Source: Figure Modified From Drawing Provided
By MPDS Services, Inc. And From Survey Provided
By Virgil Chavez Land Surveying



Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568






TOSCO

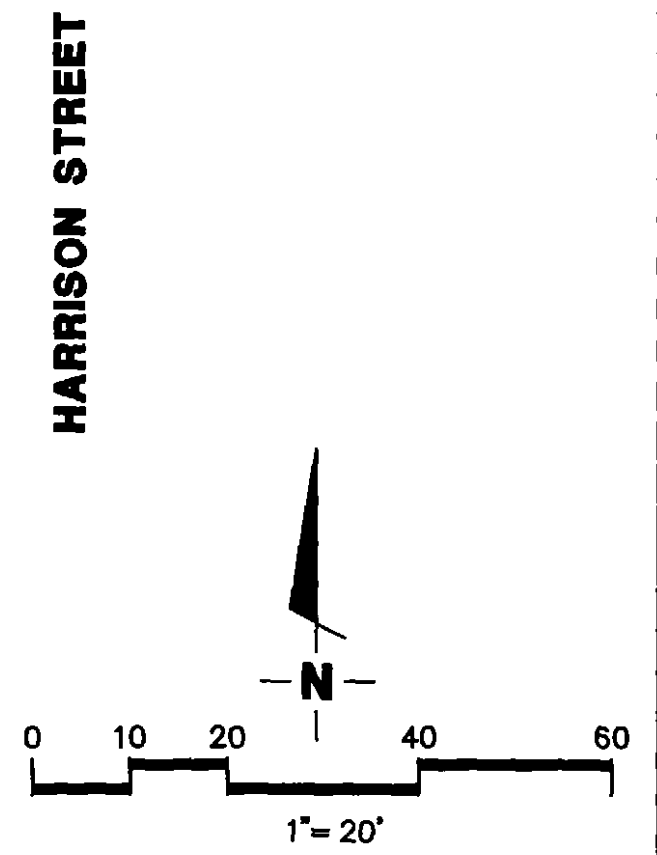
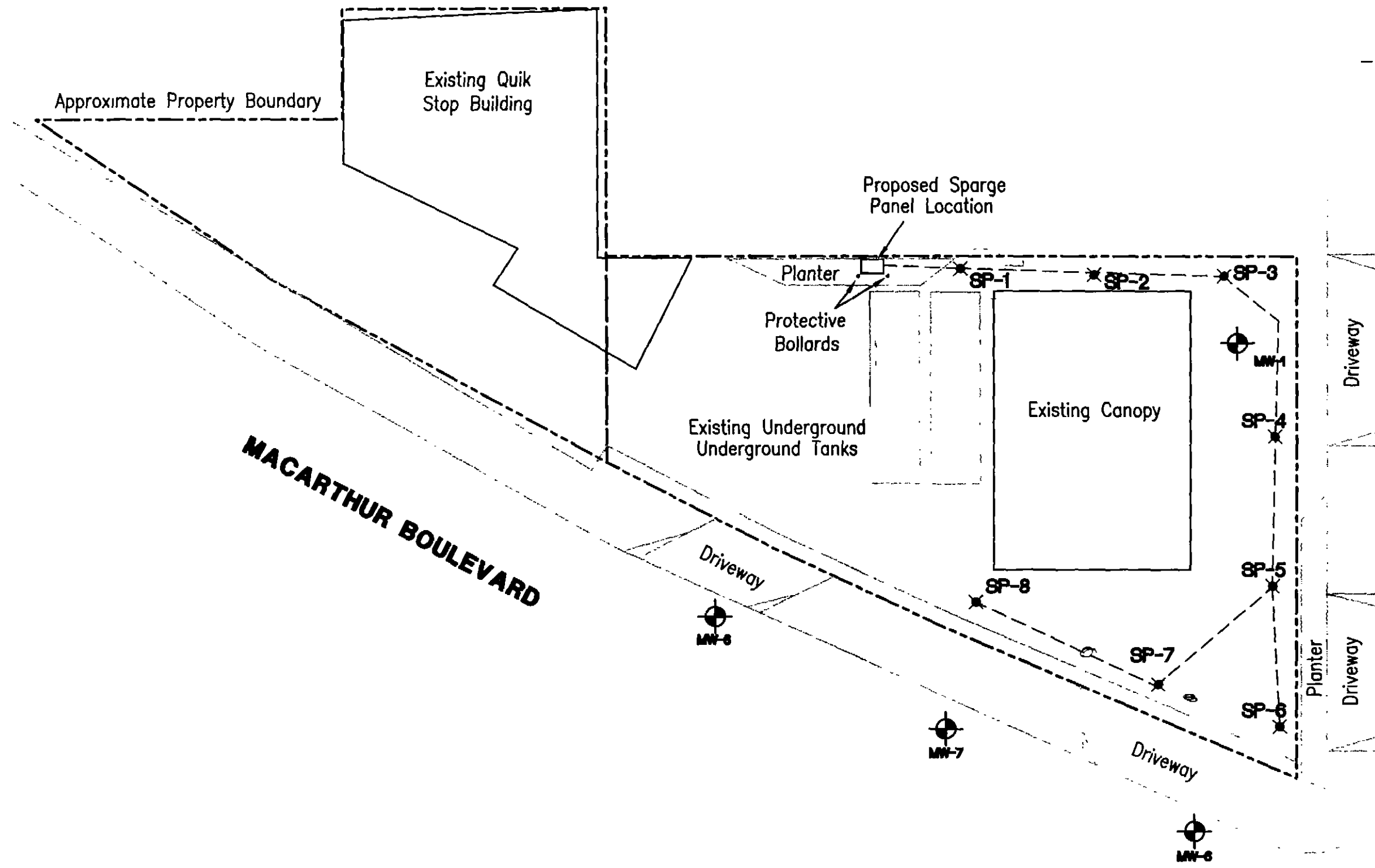
1871-G1

PROJECT: 140165.09
FACILITY: FORMER TOSCO (76) STATION #1871
96 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA
DATE: 4/01 SHEET 2 of 7

TITLE:
EXISTING SITE PLAN
DRAWING No. **G1** **A**



EXPLANATION

-  EXISTING GROUNDWATER MONITORING WELL
-  PROPOSED OZONE SPARGE POINT
-  PROPOSED OZONE TUBING TRENCH



REV #	REVISION	BY	DATE

Source: Figure Modified From Drawing Provided
 By MPDS Services, Inc. And From Survey Provided
 By Virgil Chavez Land Surveying.

 Gettler - Ryan Inc. 6747 Sierra Ct., Suite J (925) 551-7555 Dublin, CA 94568	 TOSCO 1871-G2	PROJECT: 140165.09	TITLE: NEW CONSTRUCTION SITE PLAN
		FACILITY: FORMER TOSCO (76) STATION #1871 96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA	
		SHEET 3 of 7	DRAWING No G2
			A

Tosco Representative - David DeWitt
 Consultant - Gettler-Ryan Inc
 Contractor - _____

Environmental Consultant - Hired by Tosco
 Contractor - Hired by Tosco

1.0 General Requirements

1. Contractor is to comply with all Federal, State and local environmental laws and ordinances
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8. Contractor shall provide Consultant and TOSCO with a copy of signed-off building permits and "AS BUILT" drawings (accurately marked-up copies of original drawings) within 30 days of completion of construction.
9. Contractor shall notify the Consultant and the QuikStop facility manager 48 hours prior to the start of work.

2.0 Site Work

Earthwork for trenching

1. Existing pavement is to be saw cut when removed to provide a square vertical joint for repaving.
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Well Installation

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Paving

1. Pavement shall be replaced with asphalt or concrete to match the existing pavement.
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3.0 Concrete

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1. Equipment shall be placed in accordance with the New Construction Site Plan (G2) and the Process Flow Diagram (G4).
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5.0 Equipment Enclosure



1. Contractor shall install the ozone sparge panel (supplied by Tosco) in a free-standing Type 12 enclosure. The enclosure size will be nominally 72 inches high by 36 inches wide by 18 inches deep. The ozone sparge panel will be mounted in the enclosure with at least 28 inches of free space above for future use. The enclosure shall be painted to match existing decor or local codes.
2. The enclosure will be mounted on a 48 inch by 30 inch by 6 inch thick concrete pad.
3. Consultant shall post the following signs: a.) Proposition 65 warning (in California), b.) No Smoking, and c.) Emergency contact telephone number for the consultant.
4. Contractor shall provide appropriate fire extinguisher to be kept inside enclosure.

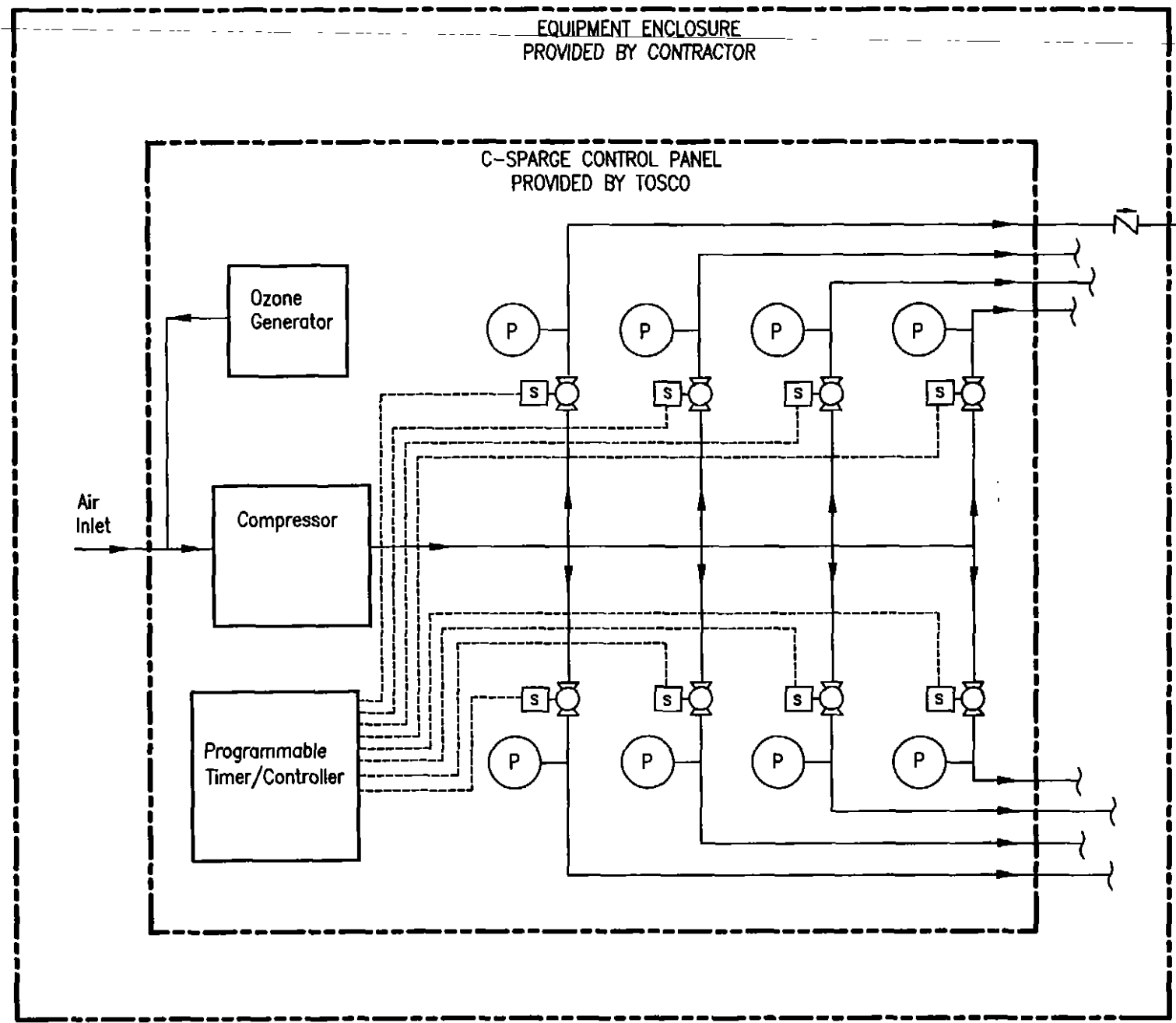
6.0 Piping and Valves

1. Installation details are provided in G5 Construction Details.
2. All piping and conduit shall be supported, in accordance with local codes, to prevent sagging or over-stressing of the pipe and connections. All piping shall be supported so that no load or stress is transferred to any equipment.
3. Process piping shall be labeled with flow direction and content.
4. Where piping is routed above ground (inside the enclosure) the piping shall be supported by unistrut and shall be installed per local code.
5. Utility piping must be installed per local code which varies from city to city.
6. Secondary containment piping, where required, shall be schedule 40.

7.0 Electrical See - G6 ELECTRICAL SINGLE LINE DRAWING

REV #	REVISION	BY	DATE

 Gettler - Ryan Inc. 6747 Sierra Ct., Suite J (925) 551-7555 Dublin, CA 94568	 1871-G3	PROJECT 140165 09	CONSTRUCTION NOTES DRAWING No G3
		FACILITY FORMER TOSCO (76) STATION #1871	
96 MACARTHUR BOULEVARD			
OAKLAND, CALIFORNIA			
DATE 4/01	SHEET 4 of 7	DRAWING No G3	A



LIST OF SYMBOLS

-  Pressure Gauge
0-100 psig
-  Solenoid Valve
-  Check Valve
(Provided by Tosco
Installed by Contractor)
-  Control Wiring
-  Microsparge
Point

3/8" O.D.
LLDPE Tubing by
Contractor

3/4" PVC
Well Casing
by Others

Microsparge
Point (Typical
- 8 points)
Installed by
others

NOT TO SCALE

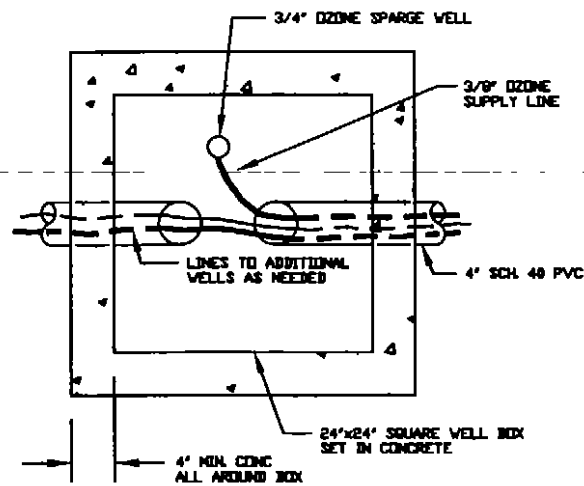
REV #	REVISION	BY	DATE

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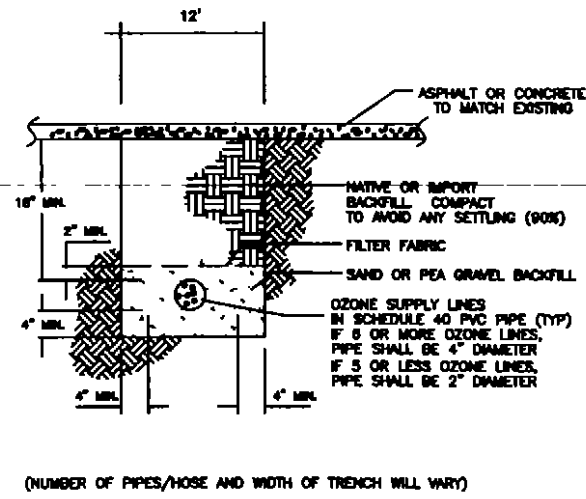
 **TOSCO**
1871-G4

PROJECT	140165.09
FACILITY	FORMER TOSCO (76) STATION #1871 96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA
DATE	4/01
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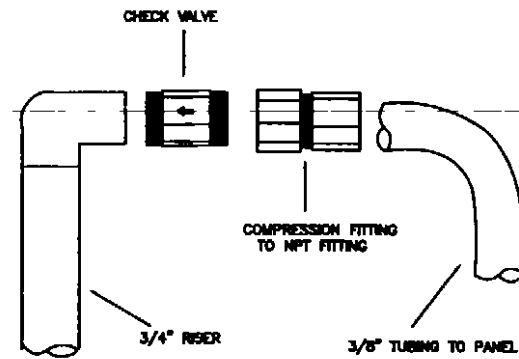
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DRAWING No	G4	A



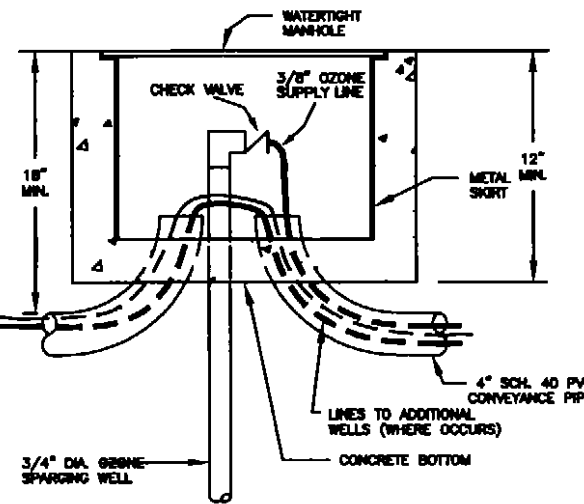
1
G5 AIR SPARGE WELL COMPLETION - PLAN VIEW
NOT TO SCALE



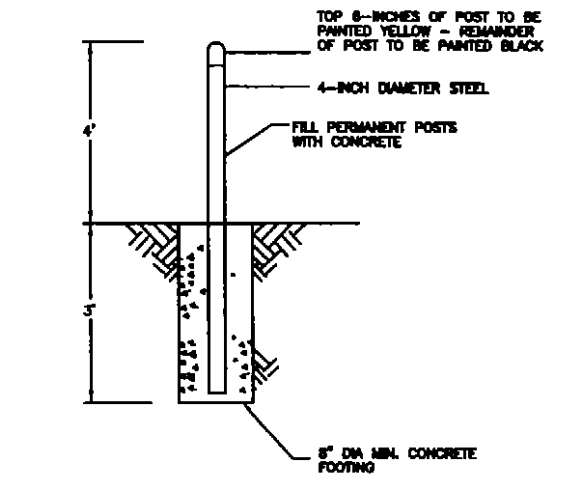
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G8 SPARGE LINE TRENCH DETAIL
NOT TO SCALE



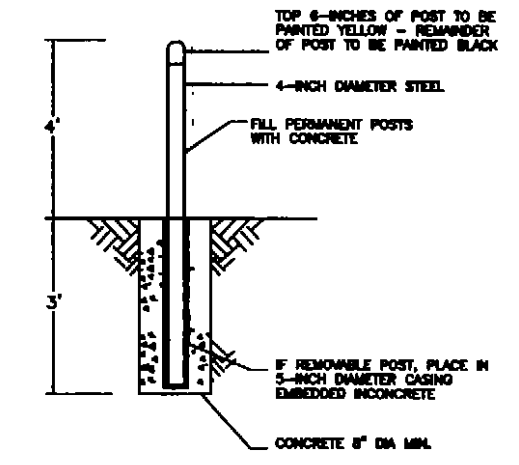
5
G5 OZONE SPARGE POINT CONNECTION DETAIL
NOT TO SCALE



2
G5 OZONE SPARGE WELL COMPLETION - ELEVATION
NOT TO SCALE





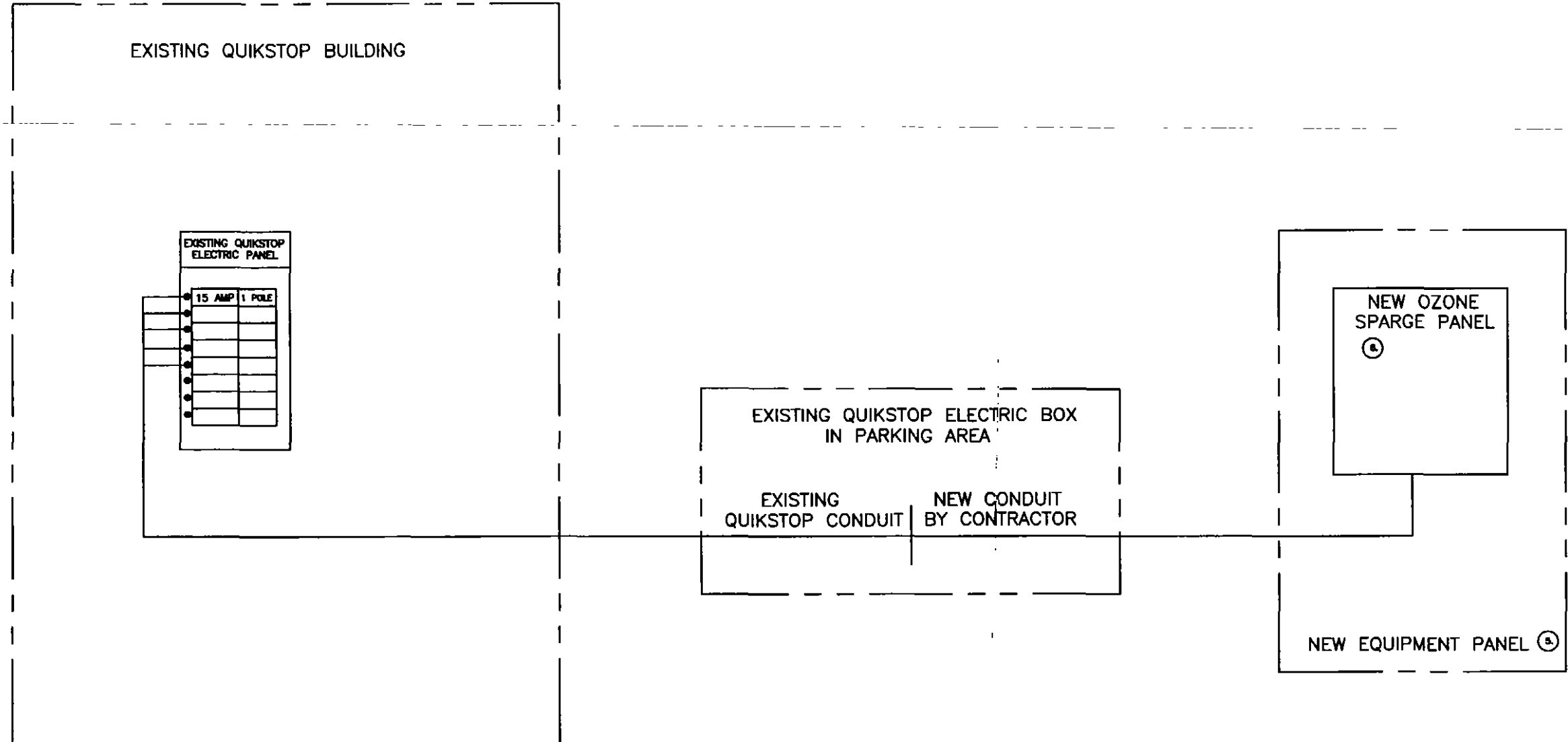
4
G5 FIXED PROTECTION POST DETAIL
NOT TO SCALE



6
G5 REMOVABLE PROTECTION POST DETAIL
NOT TO SCALE

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 Gertler - Ryan Inc. 6747 Sierra Ct., Suite J Dublin, CA 94568	 1871-G5	PROJECT 140165.09	TITLE CONSTRUCTION DETAILS
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- NOTES.**
- 1 THE CONTRACTOR IS TO PROVIDE REQUIRED PANEL BOX AND BREAKERS FOR POWER SERVICE AND METER ARE NOT EXISTING.
 - 2 CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY EQUIPMENT FOR ELECTRICAL SERVICE.
 - 3 THE ELECTRICAL SERVICE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF OSHA AND THE LATEST REVISION OF THE NEC AND THE NESC. THE INSTALLATION SHALL ALSO CONFORM TO ALL LOCAL ORDINANCES. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE IN ACCORDANCE WITH IEEE, ANSI, AND NEMA STANDARDS AND, WHERE APPLICABLE, HAVE THE UNDERWRITERS LABORATORIES' APPROVAL AND LABEL OR FACTORY MUTUAL APPROVAL.
 - 4 ELECTRICAL WIRING SHALL BE APPROPRIATELY IDENTIFIED AND PERMANENTLY MARKED.
 - 5 THE ENCLOSURE SHALL BE CONSIDERED TO BE A NEMA 3R NON-HAZARDOUS ENVIRONMENT PER THE NEC, UNLESS A) THE ENCLOSURE IS INSTALLED WITHIN AN AREA ALREADY RATED AS HAZARDOUS, OR B) THE RECOVERY/TREATMENT SYSTEM ITSELF WILL EMIT ENOUGH FLAMMABLES ITSELF TO GENERATE A HAZARDOUS ATMOSPHERE.
 - 6 OZONE SPARGE PANEL IS A COMPLETE UNIT PROVIDED BY TOSCO. ELECTRIC CONNECTION IS TO BE HARD WIRED.
 - 7 CONTRACTORS ELECTRICIAN SHALL BE KNOWLEDGEABLE IN THE INTRICACIES OF GASOLINE STATION ELECTRICAL INSTALLATION. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT THE EXISTING STATION WIRING IS NOT DAMAGED OR COMPROMISED AND THAT DISRUPTION TO STATION OPERATIONS ARE MINIMIZED.

ELECTRICAL LOAD SUMMARY

EQUIPMENT DESCRIPTION	LOAD OR H.P.	VOLTS	PH	COMMENTS
C-SPARGE PANEL	15 AMP	120	1	

REV #	REVISION	BY	DATE
TITLE			
ELECTRICAL SINGLE LINE DRAWING			
DRAWING No		G6	A

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TOSCO
 1871-G6

PROJECT 140165.09
 FACILITY FORMER TOSCO (76) STATION #1871
 96 MACARTHUR BOULEVARD
 OAKLAND, CALIFORNIA
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