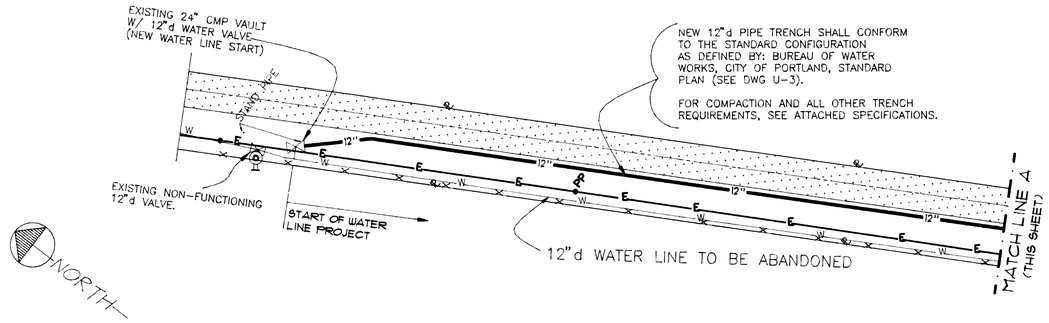


GENERAL NOTES

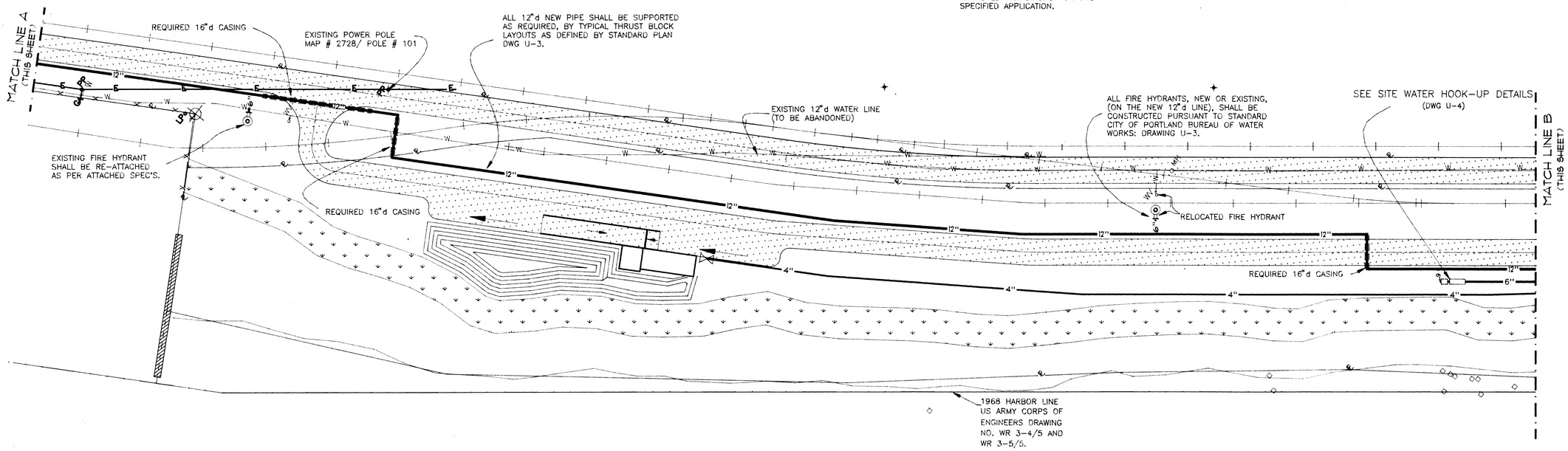
ALL CONNECTIONS SHALL MEET ALL SPECIFIED REQUIREMENTS AS PURSUANT TO CITY OF PORTLAND BUREAU OF WATER WORKS STANDARDS, AS WELL AS ALL OTHER RELEVANT SPECIFICATIONS AS DEFINED WITHIN THE STANDARD CONSTRUCTION SPECIFICATIONS, DEPARTMENT OF PUBLIC WORKS, CITY OF PORTLAND.

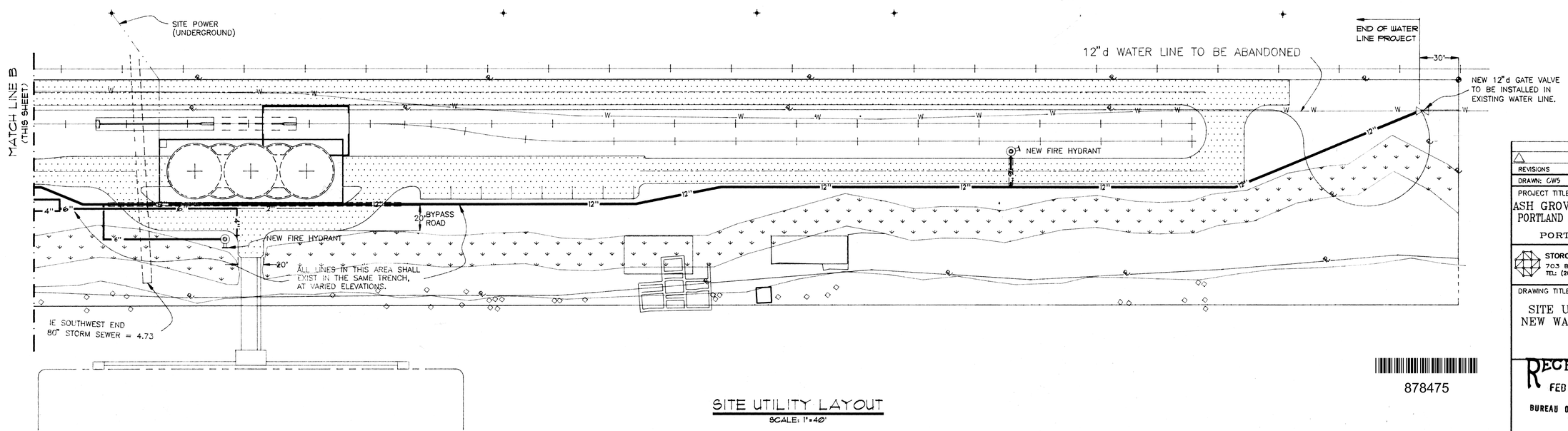
STANDARD DEPTH OF THE NEW 12"d LINE SHALL BE NO LESS THAN 5'-0" BELOW EXISTING GRADE.

ALL NEW 12"d PIPE SHALL MEET C900 STANDARDS FOR PLASTIC PIPE, AND SHALL BE RATED AS PER ATTACHED SPECIFICATIONS.

ALL VALVES AND FITTINGS SHALL BE STANDARD DUCTILE IRON FITTINGS AS SPECIFIED IN THE ATTACHED SPECIFICATIONS.

ALL FITTINGS REDUCING FROM THE 12"d C900 WATER MAIN TO OTHER,, SHALL CONSIST OF STANDARD, APPROVED TRANSITIONS FOR THE SPECIFIED APPLICATION.





878475

SITE UTILITY LAYOUT

SCALE: 1"=40'

REVISIONS

DRAWN: GWS CHECKED: DATE: 12/27/93

PROJECT TITLE:

ASH GROVE CEMENT COMPANY
PORTLAND DISTRIBUTION TERMINAL

PORTLAND, OREGON

STORCH CORPORATION/ENGINEERS
703 BROADWAY, VANCOUVER, WA
TEL: (206) 694-0335 FAX: (206) 694-0445

DRAWING TITLE:

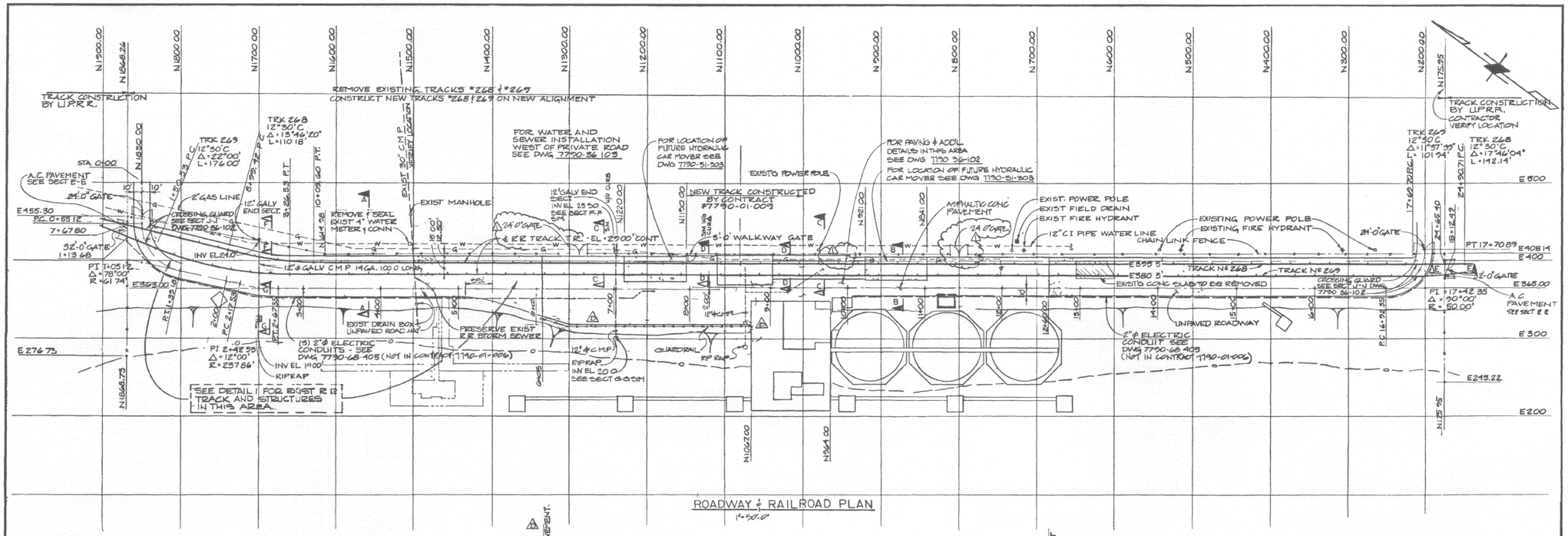
SITE UTILITIES LAYOUT
NEW WATER LINE LAYOUT

RECEIVED
FEB 26 1991
BUREAU OF BUILDINGS

PERMIT NO. 8883

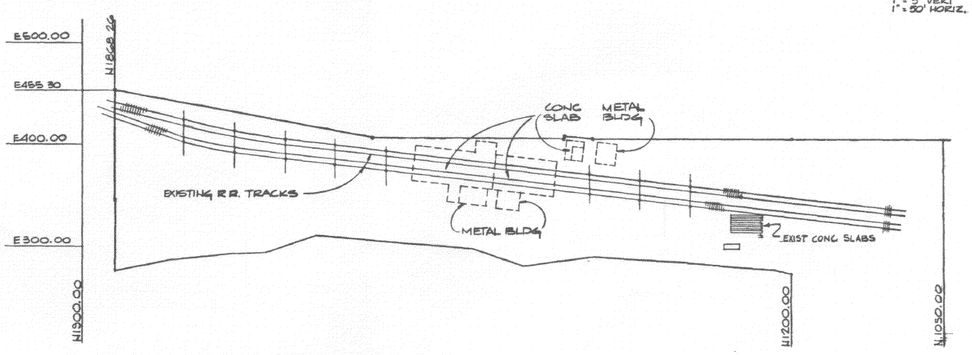
DRAWING NO. U-2

C:\ACAD\DWG\ASHUTIL\U-2A . DWG
12/27/93 13:02



ROADWAY & RAILROAD PLAN
1" = 50'-0"

ROADWAY ℄ PROFILE
1" = 5' VERT
1" = 50' HORIZ.



DETAIL I
1" = 50'

GUARDRAIL GENERAL NOTES

1) THE OREGON STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION - 1971 SHALL BE REFERRED TO AS: SSHC
2) GUARDRAIL POSTS SHALL BE 6x8 TIMBER POSTS PLACED AT 12'-6" c/c. POST MATERIAL SHALL CONFORM TO SSHC SUBSECTION 710.04 AND SHALL BE INSTALLED ACCORDING TO SSHC SUBSECTION 606.33
3) GUARDRAIL BLOCKS SHALL CONFORM TO SSHC SUBSECTION 710.05
4) THE GALVANIZED STEEL BEAM RAIL SHALL CONFORM TO SSHC SUBSECTION 710.01 (a) AND SHALL BE INSTALLED ACCORDING TO SSHC SUBSECTION 606.34
5) PROVIDE ONE 'CURLED' TERMINAL SECTION AT EA END OF THE GUARDRAIL
6) GUARDRAIL HARDWARE SHALL CONFORM TO SSHC SUBSECTION 710.08
7) GUARDRAIL LENGTH SHOWN ON DWG. FOR BID PURPOSES ONLY, FIELD ADJUST AS REQ'D. IN 12'-6" INCREMENTS.

GENERAL NOTES

A) TRACK CONSTRUCTION: SEE SPECIFICATIONS
1) RAIL: MAY BE NEW 115 RE (NEW OR SH131 RE OR 133 RE. ST RAIL MUST BE FIT FOR USE. MEET U.P.R.R. STANDARDS, AND ALSO BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER. END DRILLING OF 115 RE PER CURRENT AREA STANDARDS. FOR ALL OTHER SECTIONS PER U.P.R.R. STANDARDS. SEE SPECIFICATIONS FOR USE OF RAIL SECTIONS.
2) JOINTS: 36"-6 HOLE, NEW MATERIAL ONLY.
3) COMPROMISE JOINTS: PORTEC OR EQUAL, 36"-6 HOLE NEW, PROFILED FOR THE RAIL SECTIONS BEING COMPROMISED.
4) TIE PLATES: DOUBLE SHOULDER, SIZED FOR RAIL SECTION SUPPLIED AND IN ACCORDANCE WITH AREA REGOMMENDATIONS FOR MEDIUM DUTY. PROVIDE NEW PLATES WITH NEW RAIL. FIT RELAY-QUALITY PLATES MAY BE PROVIDED UNDER RELAY RAIL.
5) TIES: NEW 7"x9"x8'-6" FIR OR BETTER, CREOSOTED, MEETING ALL U.P.R.R. STANDARDS INCLUDING PRE BORING. LINE SIDE OF TRACK IS WEST (PLANT GRID).
6) TRACK BOLTS, NUTLOCKS AND SPIKES: MUST MEET ALL U.P.R.R. STANDARDS. FOR SPIKING PATTERN SEE SPECIFICATIONS.
7) SALVAGE: SEE SPECIFICATIONS FOR DISPOSAL OF ALL EXISTING TRACK MATERIAL REMOVED.

B) SECTIONS
1) SEE DWG. 7790-36-102 FOR TYPICAL SECTIONS.

C) SCHEDULING: FOR SCHEDULING REQUIREMENTS SEE SPECIFICATIONS

D) GRADING AND PAVING
1) FOR PAVING SEE SPECIFICATIONS.

E) DEMOLITION: DEMOLITION OF EXIST. CEN ORE CO. FLOATING PLANT IS NOT PART OF THIS CONTRACT HOWEVER, REMOVAL OF EXISTING LOADING BLDG. & TRACKS IS INCLUDED.
8) DRAINAGE C.M.P. LENGTHS GIVEN FOR BID PURPOSE ONLY.

APPROVED FOR CONSTRUCTION

DWG No.	REFERENCE	No
36-102	PLAN REF'S & DET'S SH-2	

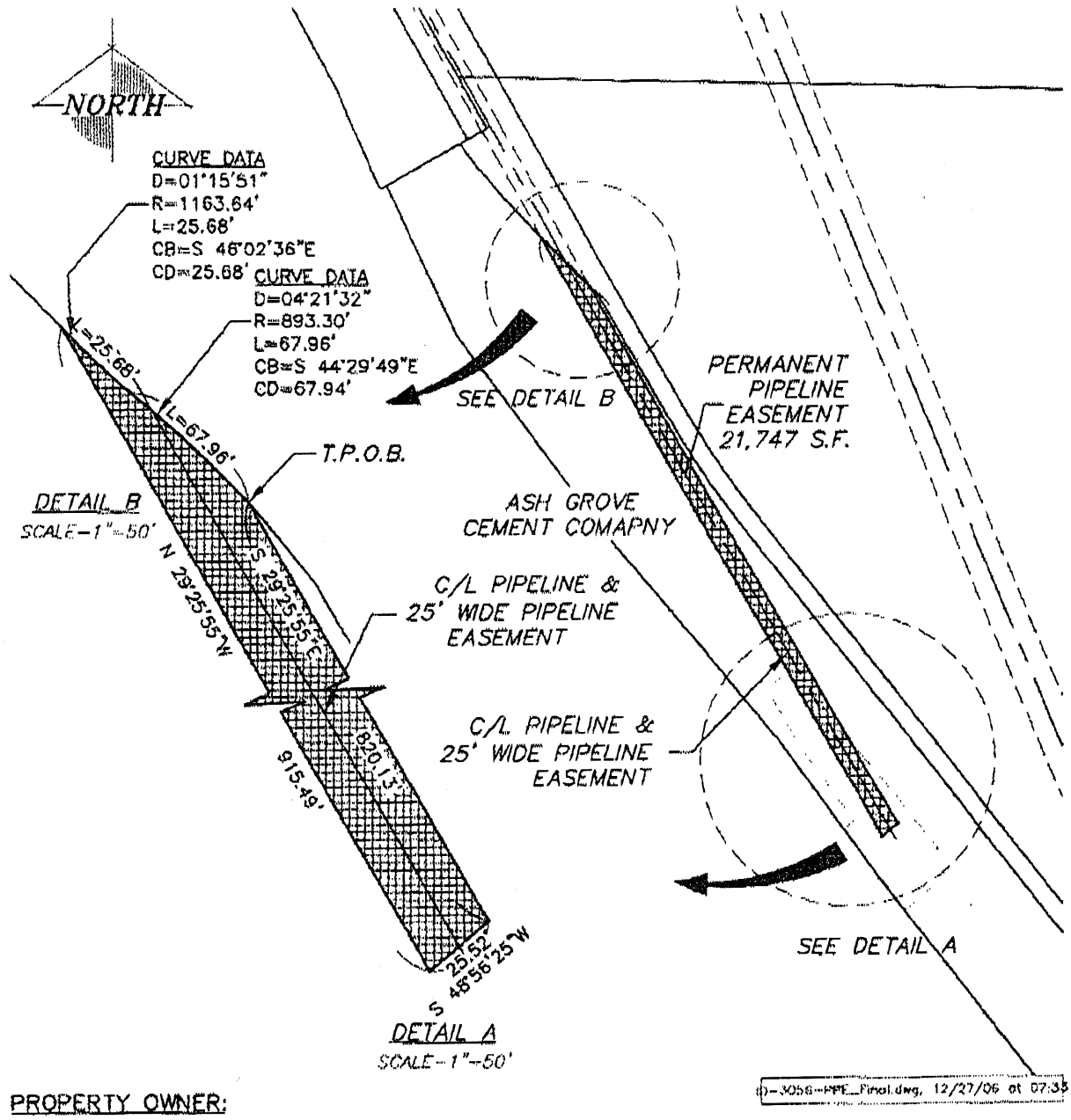
No	DATE	ISSUE	BY	CH'D
1	22 JAN 82	ADD 2 GATES 24'-0" & DELETE 1 WALKWAY GATE	RES	
0	21 SEPT 81	ISSUE TO CI OLD FOR REF ONLY	SWG	
0	18-SEP-81	ISSUED FOR CONSTRUCT. 01-006	GP	
B	10 SEPT 81	MISC REVISIONS	SEG	
A	21 AUG 81	BID ISSUE CONTRACT 7790-01-006	SEG	

SWAN WOOSTER ENGINEERING INC.
CONSULTING ENGINEERS PORTLAND OREGON

MARTIN MARIETTA ALUMINUM
PORTLAND, OREGON

PORTLAND ALUMINA TRANSFER FACILITY
SITE GRADING AND PAVING
PLAN, SECTIONS AND DETAILS SH-1

SCALE	AS NOTED	DAY	MO	YR.	DRAWING NUMBER	REV
DESIGNED	G.R.P.				7790-36-101	△
DRAWN	Jacks	16	6	81		
CHECKED						
APPROVED						



D-3056-PPE_Final.dwg, 12/27/06 at 07:35

PROPERTY OWNER:
ASH GROVE CEMENT COMPANY
STATE ID: 1N1E28A 500
RNO: R237733
PROJECT ID: 3056

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

200 0 100 200 400

SCALE: 1"=200'

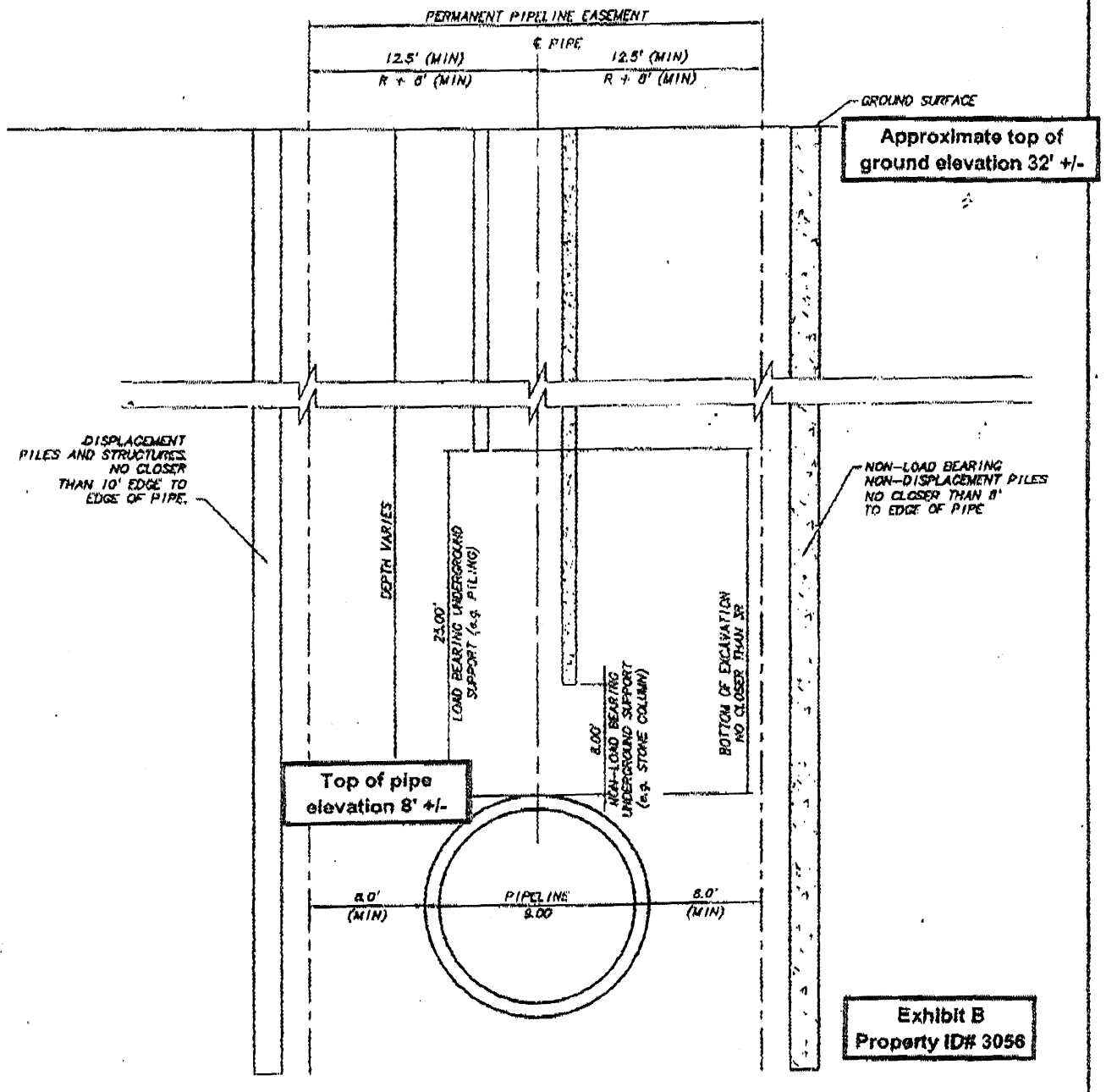
EXHIBIT "A"

PROJECT COORDINATES

CITY OF PORTLAND
ENVIRONMENTAL SERVICES
EAST SIDE CSO TUNNEL PROJECT
PB PARSONS BRINCKERHOFF
400 S.W. Sixth Ave. Portland, OR 97204

EAST SIDE CSO TUNNEL PROJECT
PERMANENT PIPELINE EASEMENT
PROJECT ID NO. 3056
STATE ID NO. 1N1E28A 00500
OWNER: ASH GROVE CEMENT COMPANY

JOB NO. 5516
SHEET NO 1 of 1



NOTE: STRUCTURES AND IMPROVEMENTS MUST BE DESIGNED TO ATTAIN A ZERO LOAD ON THE SEWER FACILITIES AND NOT AFFECT THE INTEGRITY OF THE SEWER.

RESTRICTIONS ON DEVELOPMENT FOR PROTECTION OF SEWER

NTS

PB PARSONS BRINCKERHOFF 400 S.W. Sixth Ave. Portland, OR 97204	CITY OF PORTLAND ENVIRONMENTAL SERVICES	EAST SIDE CSO TUNNEL PIPELINE EASEMENT	JOB NO. 5516 FIGURE NO. 1

easement - section SWP1 - XCP2.dwg

K:\CLIENTS\ASCO\PS\L-ROPO\Attach-Forg-easement-sections\SWP-Var2.dwg, Layout1, 8/9/2005 11:18:12 AM, 1:1