

# PORT OF TACOMA

## SITE FACILITIES FOR TACOMA TERMINALS INC.

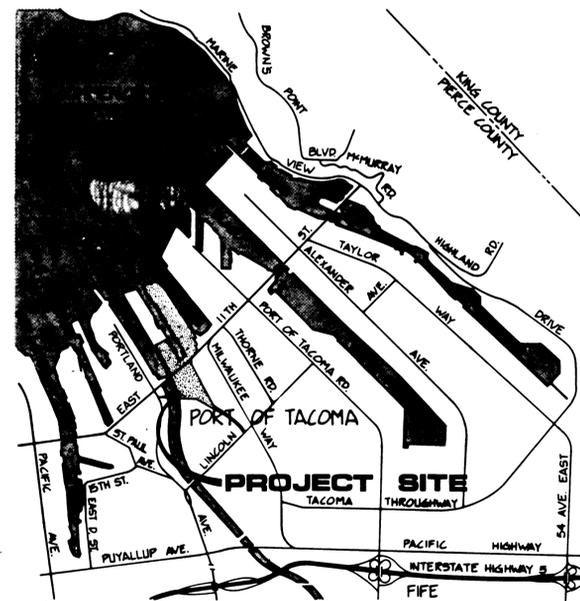
### CONTAINER TERMINAL CONTRACT NO. 560

#### PORT COMMISSION:

ROBERT G. EARLEY  
JACK A. FABULICH  
JOE E. FAKER  
JOHN A. McCARTHY  
PATRICK O'MALLEY

#### PORT STAFF:

CHARLES E. DOAN  
EXECUTIVE DIRECTOR (ACTING)  
JOHN J. TERPSTRA, P.E.  
PROJECT MANAGER  
ROBERT L. MacLEOD, P.E.  
CHIEF ENGINEER



VICINITY MAP

N.T.S.

CIVIL & ELECTRICAL CONSULTANTS:  
WHITACRE ENGINEERS, INC.  
2124 SOUTH "K" STREET  
TACOMA, WASHINGTON

GEOTECHNICAL CONSULTANTS:  
HART-CROWSER & ASSOC., INC.  
SEATTLE, WASHINGTON

#### INDEX OF DRAWINGS:

Sheet No.	Drawing No.	Title
1	EP-3880-23-G001	Cover Sheet
2	EP-3880-23-G002	Location Sheet and Phasing Plan
3 thru 15	EP-3880-23-C101 thru C113	Site Plan
16 thru 20	EP-3880-23-C201 thru C205	Demolition Plan and Existing Conditions
21 thru 28	EP-3880-23-C301 thru C308	Paving & Drainage
29 thru 31	EP-3880-23-C314 thru C316	Paving Details
32	EP-3880-23-C317	Signage Details
33	EP-3880-23-C318	Trench Drain Details
34	EP-3880-23-C319	Drainage Details
35	EP-3880-23-C320	Miscellaneous Details
36 thru 39	EP-3880-23-C401 thru C404	Sanitary Sewer & Water
40 thru 42	EP-3880-23-C406 thru C408	Sanitary Sewer & Water
43 thru 45	EP-3880-23-C414 thru C416	Sanitary Sewer & Water Details
46	EP-3880-23-C417	Hazardous Waste Containment Facility
47 thru 56	EP-3880-23-E101 thru E110	Power, Lighting, and Communication Plan
57 thru 68	EP-3880-23-E114 thru E125	Power, Lighting, and Communication Details
69 thru 71	EP-3880-23-M104, M106 & M108	P.T.S., Air & Lube Oil Lines
72 thru 76	EP-3880-23-M114 thru M118	P.T.S. Details
77 thru 79	EP-3880-23-M201 thru M203	Fueling Facility
80 thru 81	EP-3880-23-M301 & M302	Reefer Wash Facility
82 thru 88	EP-3880-23-S101 thru S107	East 11th Street Viaduct Modifications
REFERENCE DRAWINGS		C.F.S. Area Earthwork
1 thru 9	EP-3865-23	



Whitacre Engineers, Inc.  
Consulting Engineering & Land Planning  
2124 SO. "K" STREET P.O. BOX 5471  
TACOMA, WASHINGTON 98406 (206) 772-5144



MARK	REVISION	BY	APP.	DATE
	REVISED PER ADDENDUM NO. 2	RHT	LTP	7-11-84

DRAWN RHT DATE 5-29-84	<b>PORT OF TACOMA</b> TACOMA TERMINALS, INC. COVER SHEET	SCALE NONE
CHECKED LTP DATE 5-30-84		DRAWING NO. EP-3880-23-G001
CHECKED P DATE 5-30-84		SHEET 1 OF 88
FIELD BOOK (S)		
APPROVED John J. Terpstra 5/31/84 DATE	PROJECT MANAGER Robert L. MacLeod 5/21/84 DATE	

**LEGEND**

LIMIT OF CONTRACT	—————
LIMIT OF WORK AREA	- - - - -
SECTOR MATCH LINE	—————

⑫ INDICATES WORK PRIORITY AND USE AREAS. REFER TO SUPPLEMENTARY/SPECIAL CONDITIONS.

⑥ INDICATES SECTOR NUMBER

SECTOR NUMBERS ARE RELATED TO THE SITE DRAWINGS AS FOLLOWS:

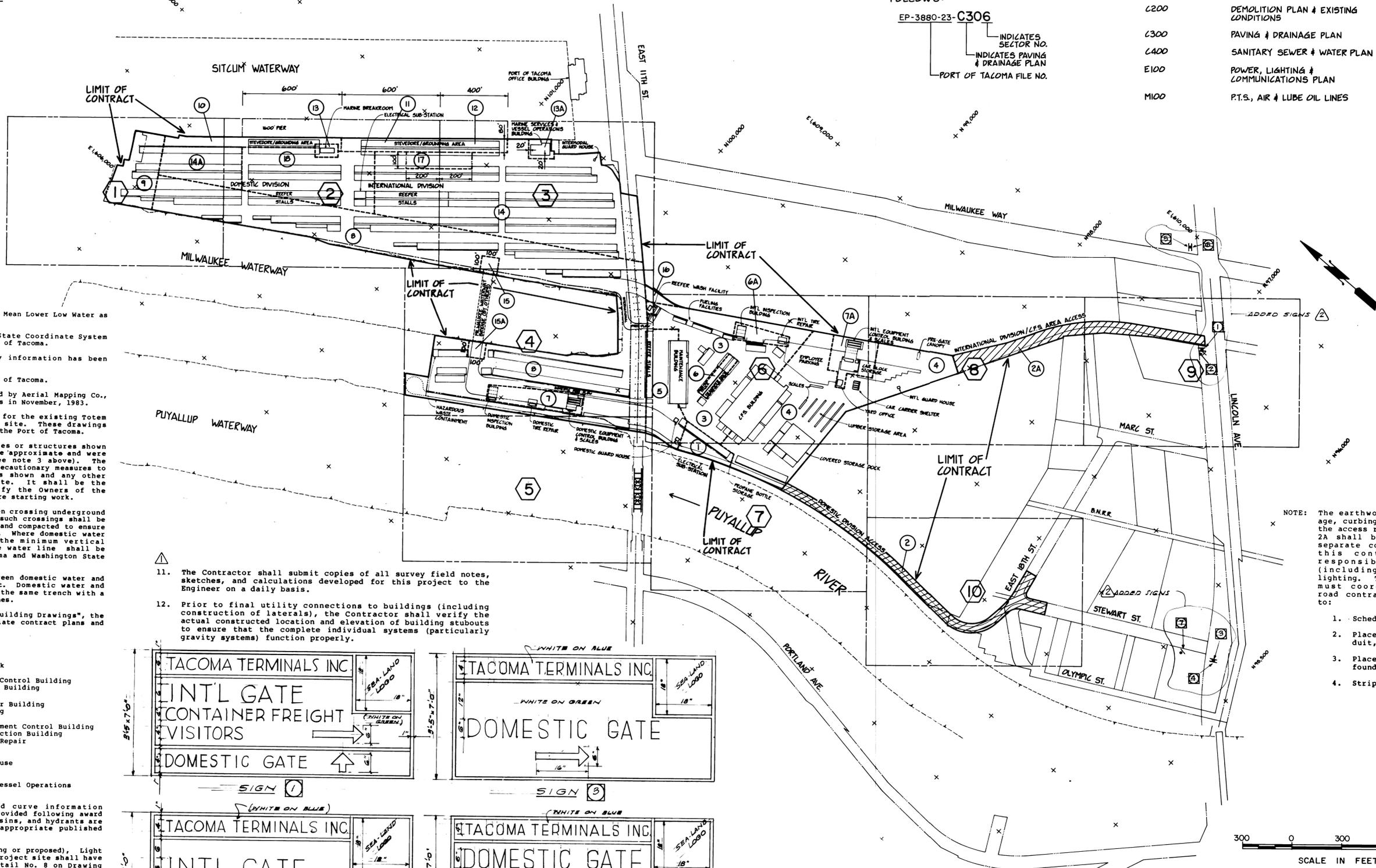
EP-3880-23-C306

INDICATES SECTOR NO.  
INDICATES PAVING & DRAINAGE PLAN  
PORT OF TACOMA FILE NO.

SITE DRAWING SERIES	TITLE
C100	SITE PLAN
C200	DEMOLITION PLAN & EXISTING CONDITIONS
C300	PAVING & DRAINAGE PLAN
C400	SANITARY SEWER & WATER PLAN
E100	POWER, LIGHTING & COMMUNICATIONS PLAN
M100	P.T.S., AIR & LUBE OIL LINES

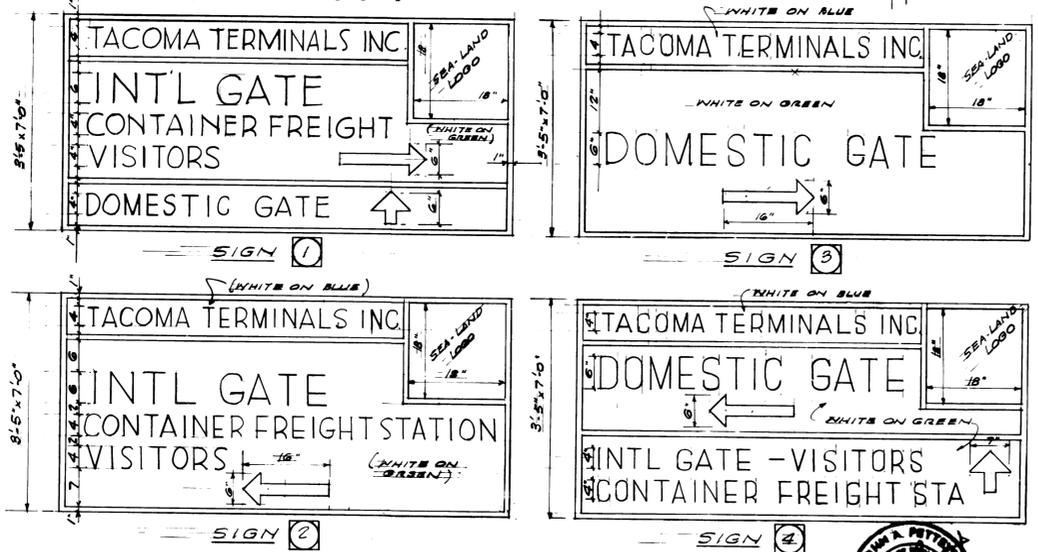
- GENERAL NOTES**
- The vertical datum for this project is Mean Lower Low Water as established by the Port of Tacoma.
  - The horizontal datum is Washington State Coordinate System North Zone, as established by the Port of Tacoma.
  - The existing topography and utility information has been compiled from the following sources:
    - Field surveys prepared by the Port of Tacoma.
    - Aerial topographic surveys prepared by Aerial Mapping Co., Boise Idaho, for Whitacre Engineers in November, 1983.
    - "As-built" construction drawings for the existing Totem Ocean Trailer Express (T.O.T.E.), site. These drawings are available for reference from the Port of Tacoma.
  - The locations of underground utilities or structures shown within the limits of this project are approximate and were obtained from available records (see note 3 above). The Contractor shall take the necessary precautionary measures to protect the utilities or structures shown and any other utilities or structures on the site. It shall be the Contractor's responsibility to notify the Owners of the utilities or structures concerned before starting work.
  - The minimum vertical clearance between crossing underground utility lines shall be 8 inches. All such crossings shall be thoroughly backfilled with clean sand and compacted to ensure that no air voids remain around pipes. Where domestic water lines cross over sanitary sewer, the minimum vertical clearance shall be 36 inches, or the water line shall be properly sleeved to meet City of Tacoma and Washington State Department of Ecology requirements.
  - The minimum horizontal clearance between domestic water and sanitary sewer lines shall be 18 feet. Domestic water and fire protection water may be laid in the same trench with a minimum horizontal clearance of 12 inches.
  - Where indicated on drawings to "See Building Drawings", the Contractor shall refer to the appropriate contract plans and specifications:
 

Contract No. 557	C.F.S. Building Truck Transfer Dock Car Carrier Shelter Covered Storage Dock
Contract No. 558	Domestic Equipment Control Building Domestic Inspection Building Domestic Tire Repair Building Maintenance Building
Contract No. 559	International Equipment Control Building International Inspection Building International Tire Repair Yard Office Pre-gate Canopy Intermodal Guard House
Contract No. 562	Marine Breakroom Marine Services & Vessel Operations Building
  - Horizontal control coordinates and curve information referenced on the drawings will be provided following award of contract. Where manholes, catch basins, and hydrants are numbered, the number refers to the appropriate published coordinate.
  - All Fire Hydrants, Power Poles (existing or proposed), Light Poles, and Row Sign Poles within the project site shall have guard post protection as shown on Detail No. 8 on Drawing C316, except as follows:
    - Where site plan drawings indicate guard post placement typical of Detail No. 3 on Drawing C316.
    - Where light poles and fire hydrants are in "common" locations, the guard post arrangement shall be as shown on Detail No. 11 on Drawing C316.
  - Where the plans and specifications call for re-assembly, or re-placement of facilities or equipment from the Port of Seattle (Boiler Building, reefer receptacles, etc.), the Contractor is cautioned to make arrangements through the Port of Tacoma to visit the facilities in Seattle to fully assess conditions prior to dis-assembly and to identify possible construction difficulties.

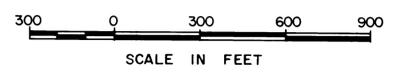


NOTE: The earthwork, paving, drainage, curbing, fencing, etc. for the access roads in Areas 2 and 2A shall be performed under separate contract. However, this contract shall be responsible for signage (including striping), and lighting. The site contractor must coordinate with the road contractor with respect to:

- Scheduling
- Placement of poles, conduit, etc.
- Placement of signs and foundation
- Striping



SEE SECTION 02840 FOR SPECIFICATIONS  
SIGN 2 SHALL BE 1/8" REFLECTORIZED SHEET ALUMINUM.  
SIGN PER REVISION DNG #2 DATED 4-11-85  
SEE SHEET 3 FOR SIGNS ③ ④



DRAWN RHT DATE 5-29-84		<b>PORT OF TACOMA</b> TACOMA TERMINALS, INC. LOCATION SHEET & PHASING PLAN	
CHECKED JTP DATE 5-30-84			
CHECKED JP DATE 5-30-84		CONT. NO. 560	
FIELD BOOK (S)		SCALE AS NOTED	
APPROVED	DATE 5/31/84	PROJECT MANAGER	DATE 5/31/84
MARK	REVISION	BY	APP. DATE
①	REVISED TO AS BUILT	R.J.S.	8/1/85
②	REVISED PER APPENDUM NO. 2	RHT	7-1-84
PROJECT NO. EP-3880-23-G002		SHEET 2 OF 88	

**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 SO. "K" STREET P.O. BOX 5677  
TACOMA, WASHINGTON 98405 (206) 272-5144



**LEGEND**

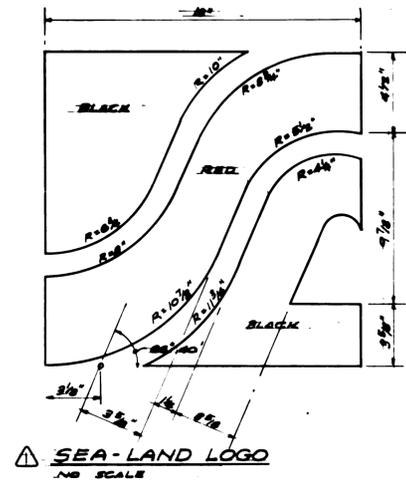
NOTES:  
 1. SEE (301, 401 & 501 FOR ADDITIONAL SITE DRAWING LEGENDS.  
 2. SEE (201 FOR LEGEND OF EXISTING FEATURES.

SECTOR MATCH LINE

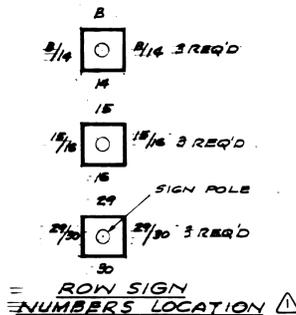
CONTAINER PARKING AREA W/ CONCRETE BACKING LOGS & DOLLY STRIP



- LIGHT POLE
- FIRE HYDRANT
- ROW SIGN POLE
- REEFER RECEPTACLE
- HORIZONTAL COORDINATE
- CURVE DATA CALLOUT
- SIGNAGE, PAVING OR STRIPING CALLOUT



**SEA-LAND LOGO**  
NO SCALE



**SIGNAGE SCHEDULE**

Sign	Message	H.U.T.C.D. Standard	Size	Color	Type of Mounting (unless otherwise indicated)
R-1	STOP	R1-1	24"x24"	White on Red	Post
R-1A	STOP THIS LANE	R1-1	24"x24"	White on Red	Post
R-2	SPEED LIMIT 25	R2-1	24"x30"	Black on White	Post
R-3	NO RIGHT TURN	R3-1	24"x24"	Red, Black on White	Post
R-4	KEEP LEFT	R4-8	24"x30"	Black on White	Post
R-5	KEEP RIGHT	R4-7	24"x30"	Black on White	Post
W-1	TRAFFIC TURNS RIGHT	W1-6	48"x24"	Black on Yellow	Fence
W-2	TRAFFIC TURNS LEFT	W1-6	48"x24"	Black on Yellow	Fence
W-3	PAVEMENT ENDS	W8-3	30"x30"	Black on Yellow	Post
D-1	EXIT	N.A.	18"x18"	White on Green	Fence
ID-1	AUTO SHIPPING KEEP LEFT	N.A.	48"x18"	White on Green	Post
ID-2	See Detail	N.A.	120"x62"	See Detail	Over head-Cantilever Mount
ID-7	EMPLOYEE & VISITOR PARKING	N.A.	48"x18"	White on Green	Post
ID-8	VISITOR PARKING	N.A.	24"x30"	White on Green	Post
DD-1	DOMESTIC GATE	N.A.	48"x12"	White on Green	Post
DD-2	See Detail	N.A.	118"x62"	See Detail	Overhead-Cantilever Mount
DD-3	SCALE BYPASS KEEP RIGHT	N.A.	36"x24"	White on Green	Post

**PAVEMENT MARKING SCHEDULE**

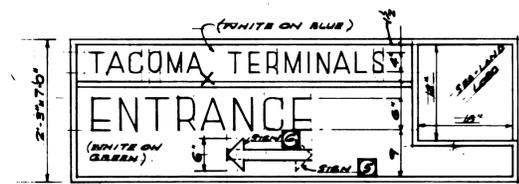
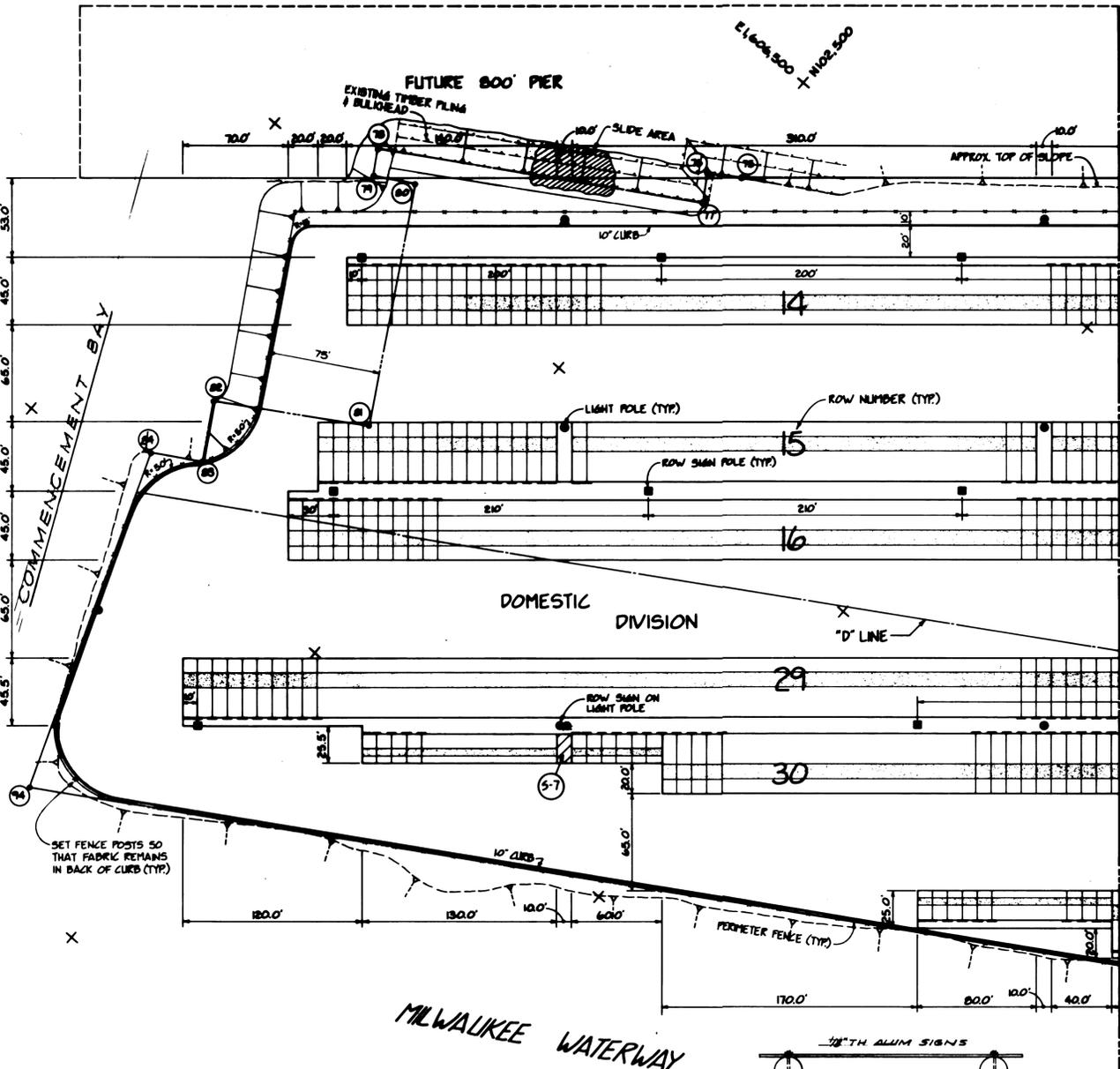
Pavement Marking	Message	Minimum Size	Color
P-1	STOP*	6.0' (Writing) 2.0' (Stop Bar)	White
P-2	EXIT	6.0'	White
P-3	(Hold Line)**	2.0'	White
P-4		9.5'	White
P-5L; P-5R		8.0'	White
P-6	SPEED BUMP	6.0'	Yellow
P-7	1 2 3 4 (Scale Lane Marking)	6.0'	White

\* 24" Wide Stop Bars, the full width of the stopping lane, shall be placed in the locations shown. Maintain 36 inch separation between stop bar and stop message.

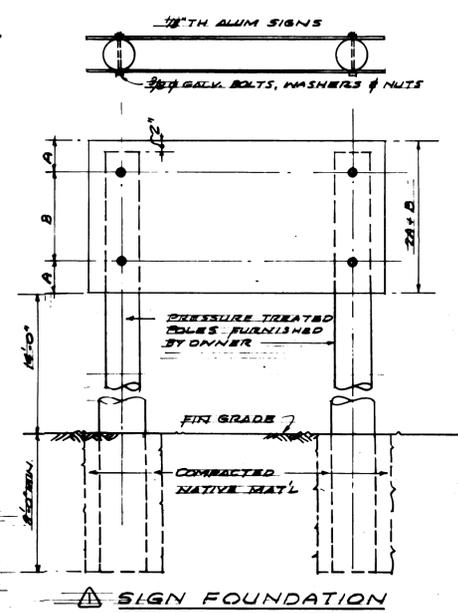
\*\* "Hold Line" is similar to 24" Wide Stop Bar.

**FOR REFERENCE ONLY**  
ISSUED UNDER ADDENDUM 1 5/24/93

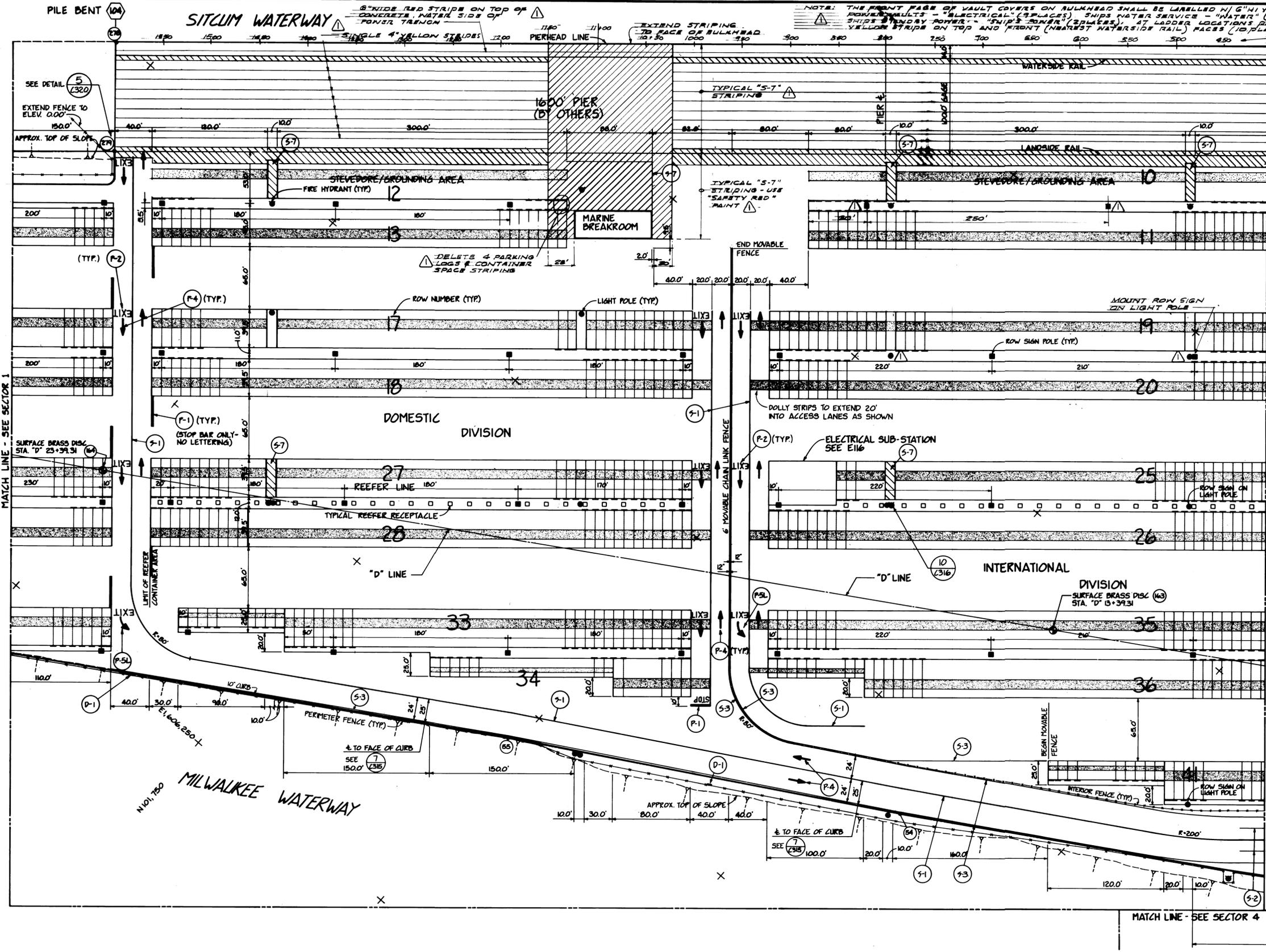
Note: Signs and pavement markings shall conform to the details of the "Manual of Uniform Traffic Control Devices for Streets and Highways", U.S. Department of Transportation, Federal Highway Administration, dated 1978.



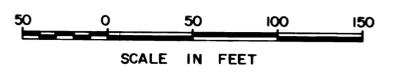
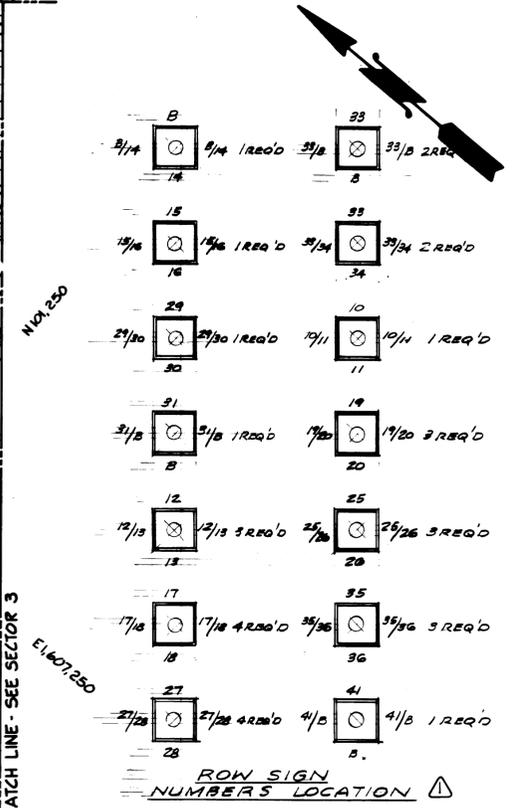
SIGN NO.	A	B	SPACING
1-5	9'	1'-11"	3'-0"
2-6	8'	1'-8"	2'-8"
7	0'	1'-2"	2'-2"



10	11	12	13
14	15	16	17
18	19	20	21
22	23	24	25
26	27	28	29
30	31	32	33
34	35	36	37
38	39	40	41
42	43	44	45
46	47	48	49
50	51	52	53
54	55	56	57
58	59	60	61
62	63	64	65
66	67	68	69
70	71	72	73
74	75	76	77
78	79	80	81
82	83	84	85
86	87	88	89
90	91	92	93
94	95	96	97
98	99	100	101
102	103	104	105
106	107	108	109
110	111	112	113
114	115	116	117
118	119	120	121
122	123	124	125
126	127	128	129
130	131	132	133
134	135	136	137
138	139	140	141
142	143	144	145
146	147	148	149
150	151	152	153
154	155	156	157
158	159	160	161
162	163	164	165
166	167	168	169
170	171	172	173
174	175	176	177
178	179	180	181
182	183	184	185
186	187	188	189
190	191	192	193
194	195	196	197
198	199	200	201
202	203	204	205
206	207	208	209
210	211	212	213
214	215	216	217
218	219	220	221
222	223	224	225
226	227	228	229
230	231	232	233
234	235	236	237
238	239	240	241
242	243	244	245
246	247	248	249
250	251	252	253
254	255	256	257
258	259	260	261
262	263	264	265
266	267	268	269
270	271	272	273
274	275	276	277
278	279	280	281
282	283	284	285
286	287	288	289
290	291	292	293
294	295	296	297
298	299	300	301
302	303	304	305
306	307	308	309
310	311	312	313
314	315	316	317
318	319	320	321
322	323	324	325
326	327	328	329
330	331	332	333
334	335	336	337
338	339	340	341
342	343	344	345
346	347	348	349
350	351	352	353
354	355	356	357
358	359	360	361
362	363	364	365
366	367	368	369
370	371	372	373
374	375	376	377
378	379	380	381
382	383	384	385
386	387	388	389
390	391	392	393
394	395	396	397
398	399	400	401
402	403	404	405
406	407	408	409
410	411	412	413
414	415	416	417
418	419	420	421
422	423	424	425
426	427	428	429
430	431	432	433
434	435	436	437
438	439	440	441
442	443	444	445
446	447	448	449
450	451	452	453
454	455	456	457
458	459	460	461
462	463	464	465
466	467	468	469
470	471	472	473
474	475	476	477
478	479	480	481
482	483	484	485
486	487	488	489
490	491	492	493
494	495	496	497
498	499	500	501
502	503	504	505
506	507	508	509
510	511	512	513
514	515	516	517
518	519	520	521
522	523	524	525
526	527	528	529
530	531	532	533
534	535	536	537
538	539	540	541
542	543	544	545
546	547	548	549
550	551	552	553
554	555	556	557
558	559	560	561
562	563	564	565
566	567	568	569
570	571	572	573
574	575	576	577
578	579	580	581
582	583	584	585
586	587	588	589
590	591	592	593
594	595	596	597
598	599	600	601
602	603	604	605
606	607	608	609
610	611	612	613
614	615	616	617
618	619	620	621
622	623	624	625
626	627	628	629
630	631	632	633
634	635	636	637
638	639	640	641
642	643	644	645
646	647	648	649
650	651	652	653
654	655	656	657
658	659	660	661
662	663	664	665
666	667	668	669
670	671	672	673
674	675	676	677
678	679	680	681
682	683	684	685
686	687	688	689
690	691	692	693
694	695	696	697
698	699	700	701
702	703	704	705
706	707	708	709
710	711	712	713
714	715	716	717
718	719	720	721
722	723	724	725
726	727	728	729
730	731	732	733
734	735	736	737
738	739	740	741
742	743	744	745
746	747	748	749
750	751	752	753
754	755	756	757
758	759	760	761
762	763	764	765
766	767	768	769
770	771	772	773
774	775	776	777
778	779	780	781
782	783	784	785
786	787	788	789
790	791	792	793
794	795	796	797
798	799	800	801
802	803	804	805
806	807	808	809
810	811	812	813
814	815	816	817
818	819	820	821
822	823	824	825
826	827	828	829
830	831	832	833
834	835	836	837
838	839	840	841
842	843	844	845
846	847	848	849
850	851	852	853
854	855	856	857
858	859	860	861
862	863	864	865
866	867	868	869
870	871	872	873
874	875	876	877
878	879	880	881
882	883	884	885
886			



NOTE: THE FRONT FACE OF VAULT COVERS ON BULKHEAD SHALL BE LABELLED IN 6" HI YELLOW LETTERS: POWER VAULTS - "ELECTRICAL" (2 PLACES) SHIPS WATER SERVICE - "WATER" (5 PLACES) SHIPS STANDBY POWER - "SHIP'S POWER" (2 PLACES) AT LADDER LOCATIONS PAINT 3" WIDE YELLOW STRIPS ON TOP AND FRONT (NEAREST WATERSIDE RAIL) FACES (10 PLACES) SEE PIER FACE NUMBERING DETAIL ON SH. C-108



DRAWN RHT		DATE 5-29-84		<b>PORT OF TACOMA</b> <b>TACOMA TERMINALS, INC.</b> <b>SITE PLAN</b>	
CHECKED JTB		DATE 5-30-84			
CHECKED JTB		DATE 5-30-84			
CONT. NO. 560					
FIELD BOOK (S)		APPROVED <i>[Signature]</i> 5/31/84		SCALE AS NOTED	DRAWING NO.
		DATE 5/31/84		DATE 5/31/84	EP-3880-23-C 102
		DATE		SHEET 4	OF 88



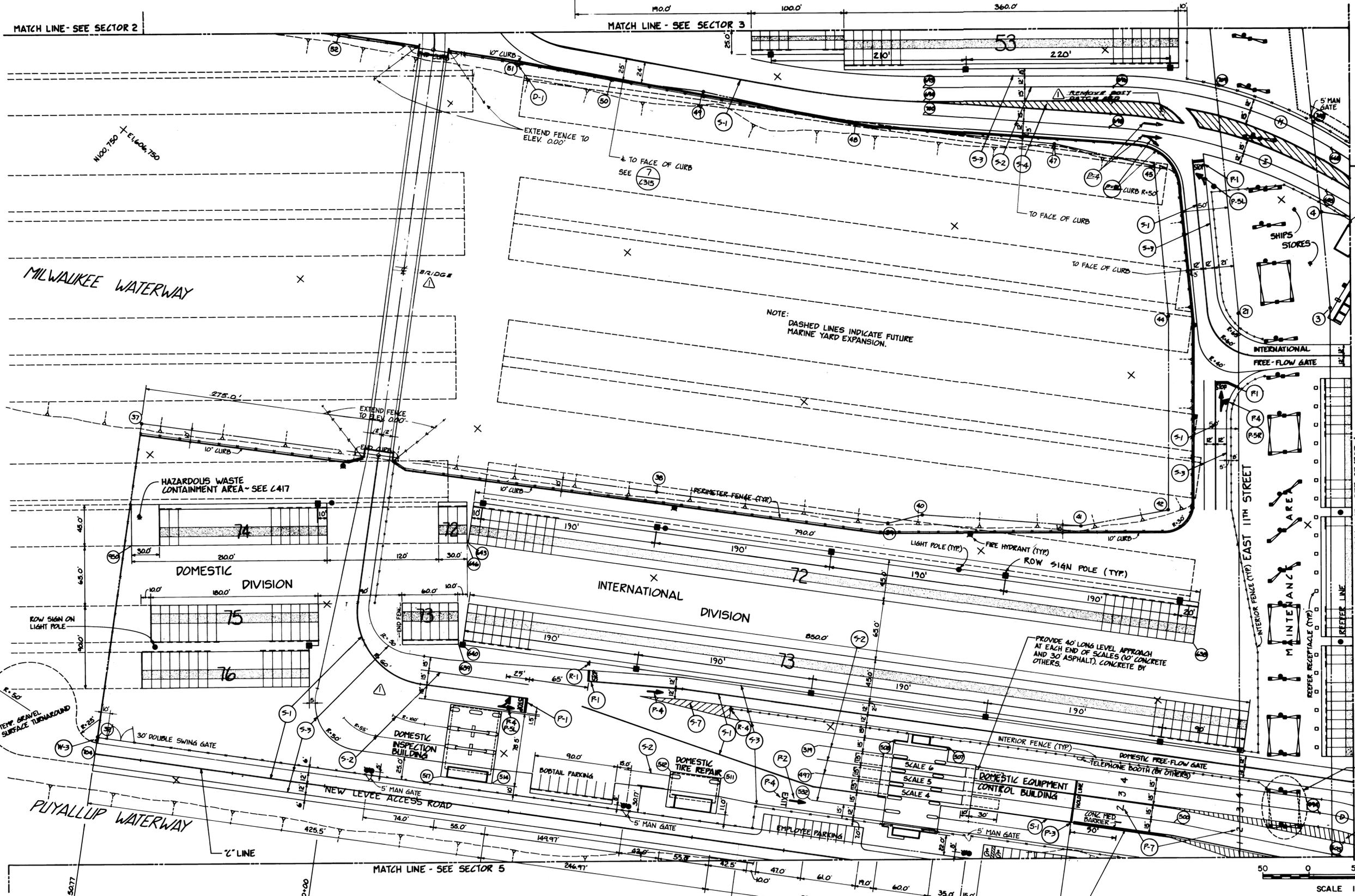
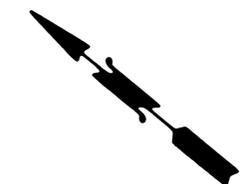
**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 SO. K STREET P.O. BOX 5877  
 TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
	REVISED TO AS-BUILT	RJS		10-18-88



MATCH LINE - SEE SECTOR 2

MATCH LINE - SEE SECTOR 3



NOTE: DASHED LINES INDICATE FUTURE MARINE YARD EXPANSION.

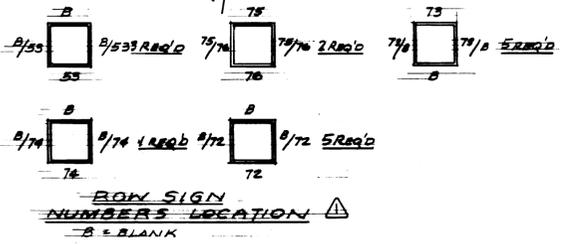
NOTE: SEE DRAWING NO. C111 & C112 FOR DETAIL UNDER VIADUCT.

PROVIDE 40' LONG LEVEL APPROACH AT EACH END OF SCALES (10' CONCRETE OTHERS).

STRUCTURAL X-BRACING TO BE RELOCATED - SEE STRUCTURAL DWGS.

SINGLE 4" SOLID YELLOW STRIPE EACH SIDE OF BARRIER

SCALE IN FEET



NOTE: FOR PLACEMENT OF FIRE HYDRANTS, LIGHT POLES AND GUARD POSTS (TYPICAL (3) LOCATIONS ON THIS SHEET) SEE (10) (1316)

NOTE: THE NUMBERING SYSTEM FOR SCALES 4, 5 & 6 IS FOR CONTRACT PURPOSES ONLY.

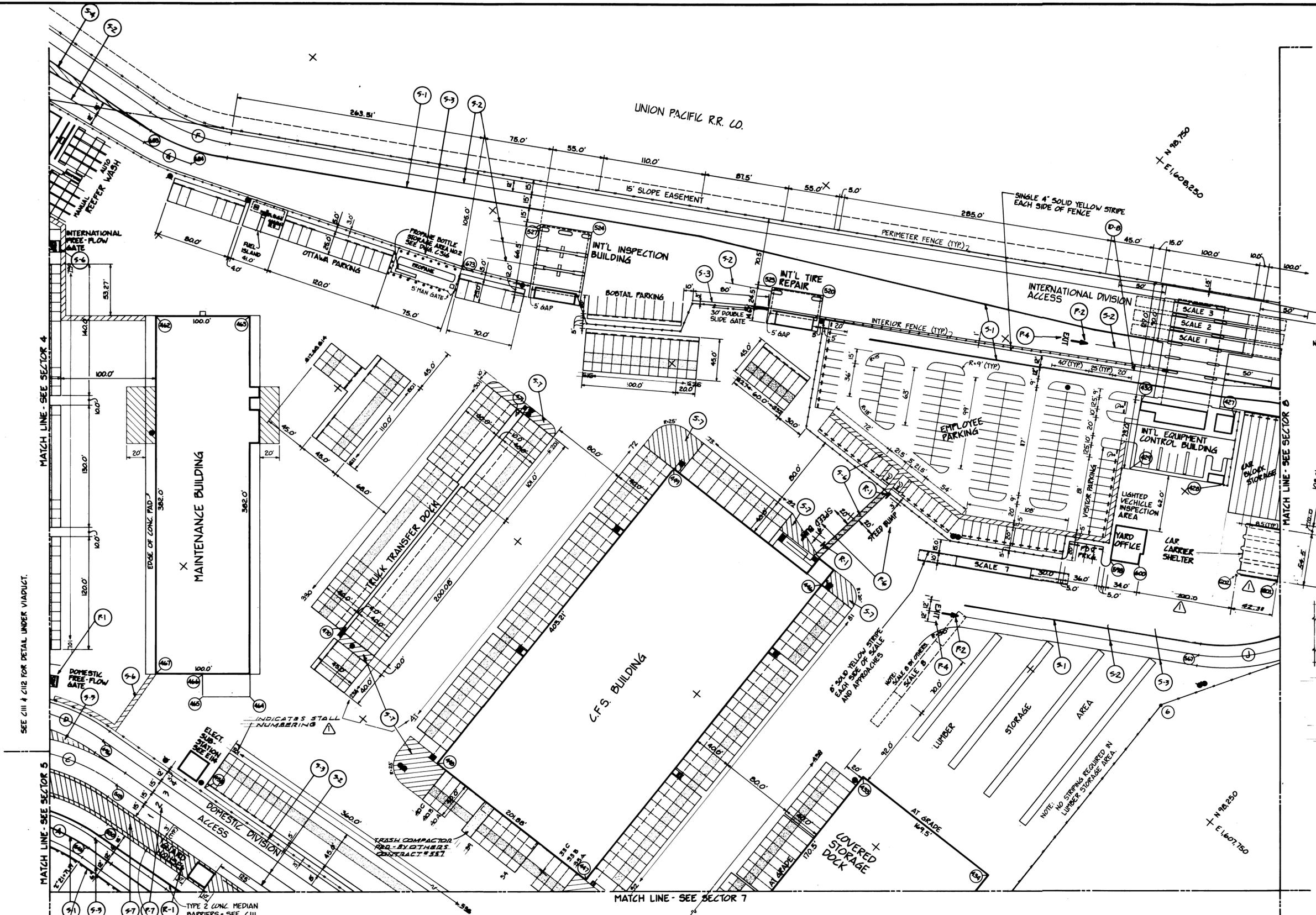
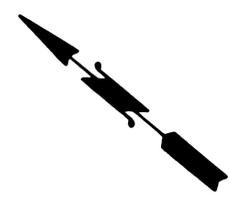


**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 90' N. STREET P.O. BOX 5477  
TACOMA, WASHINGTON 98405 (206) 272-5144

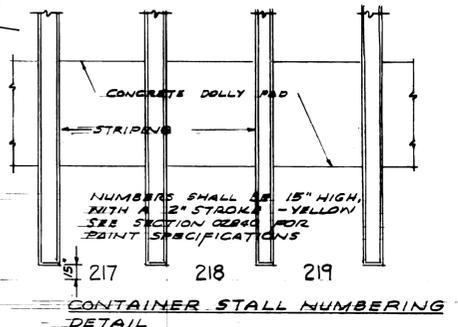
MARK	REVISION	BY	APP.	DATE
▲	REVISED TO AS BUILT	R.J.S.		10/21/88

<b>PORT OF TACOMA</b>		<b>TACOMA TERMINALS, INC.</b>		<b>SITE PLAN</b>	
DRAWN: RMT	DATE: 5-29-84	CHECKED: J.P.P.	DATE: 5-30-84	CHECKED: P.	DATE: 5-30-84
CONT. NO.: 560	FIELD BOOK (S):	APPROVED: <i>[Signature]</i>	DATE: 5/31/84	SCALE: AS NOTED	DRAWING NO. EP-3880-23-C104
				SHEET: 6	OF 88

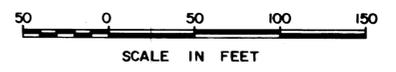




NOTE:  
SITE CONTRACTOR IS RESPONSIBLE FOR PAVEMENT STRIPING BENEATH ALL EQUIPMENT CONTROL, INSPECTION, TIRE REPAIR AND PRE-GATE CANOPIES. (SEE APPROPRIATE BUILDING DWGS)



*D.D. 10' x 200' As Shown  
see 772 letter d'ta 9-19-85*



DRAWN	ENT
DATE	5-29-84
CHECKED	J.P.
DATE	5-30-84
CHECKED	J.P.
DATE	5-30-84
CONT. NO.	560

**PORT OF TACOMA**  
**TACOMA TERMINALS, INC.**  
**SITE PLAN**

FIELD BOOK (S)		SCALE	AS NOTED
APPROVED	<i>[Signature]</i>	DATE	5/31/84
PROJECT MANAGER	<i>[Signature]</i>	DATE	5/31/84
CHIEF ENGINEER	<i>[Signature]</i>	DATE	
DRAWING NO.	EP-3880-23-C106	SHEET	8 OF 88

SEE C111 & C112 FOR DETAIL UNDER VIADUCT.

TEMPORARY FENCE  
TYPE 2 CONC. MEDIUM BARRIERS - SEE C111  
TYPE 2 PRECAST CONCRETE TRAFFIC CURB WITH 6" SKIP SPACING (TYP.)



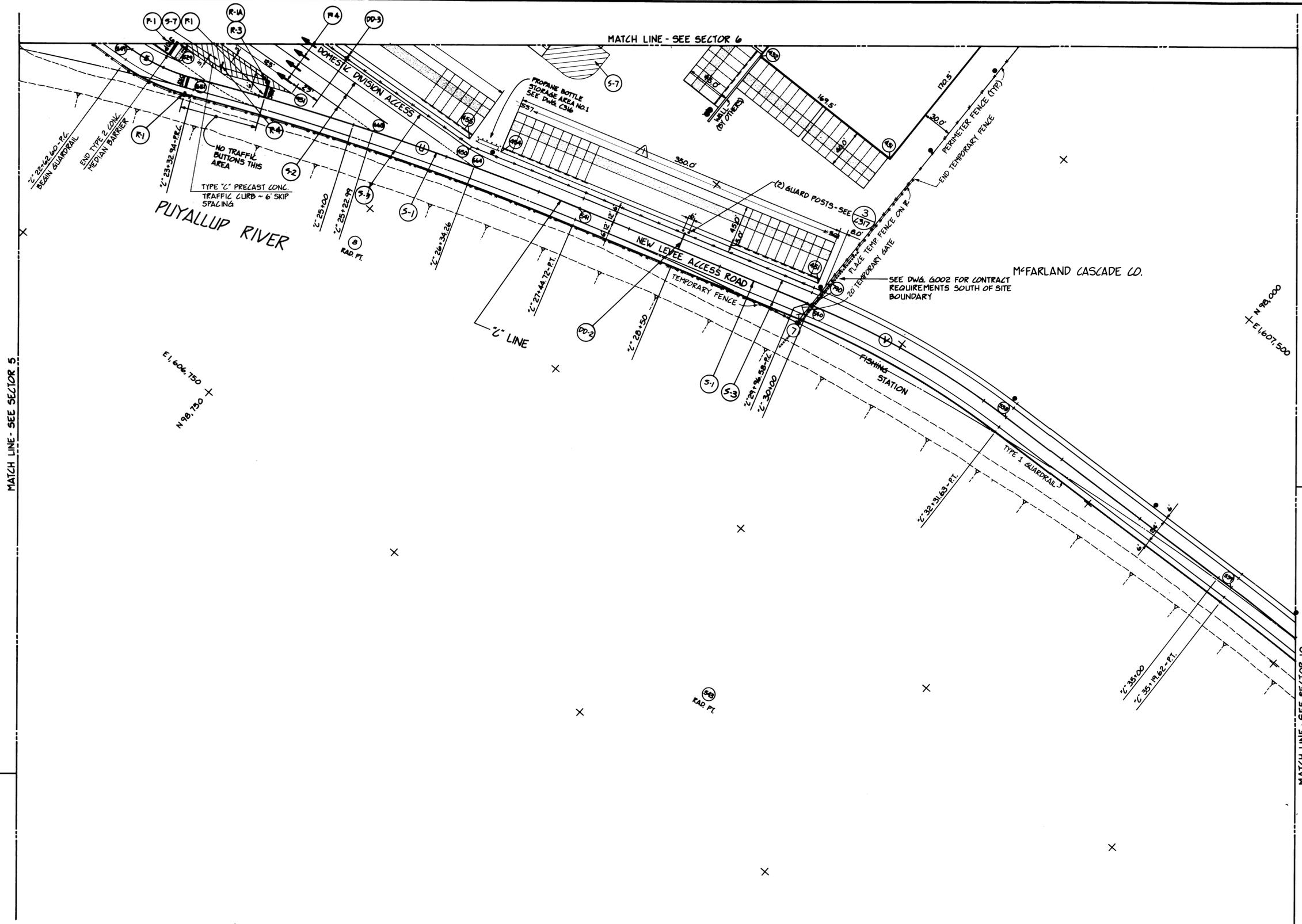
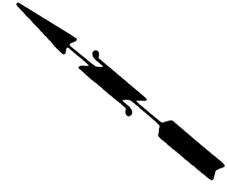
**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
214 30. W. STREET P.O. BOX 5677  
TACOMA, WASHINGTON 98405 (206) 272-5144

REVISION	BY	APP.	DATE
REVISED TO AS BUILT	R.J.S		10/22/85

MATCH LINE - SEE SECTOR 5

MATCH LINE - SEE SECTOR 6

MATCH LINE - SEE SECTOR 10

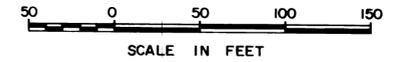


PUYALLUP RIVER

NEW LEVEE ACCESS ROAD

McFARLAND CASCADE CO.  
SEE DWG. 6002 FOR CONTRACT REQUIREMENTS SOUTH OF SITE BOUNDARY

FISHING STATION



DRAWN	RHT
DATE	5-29-84
CHECKED	JTP
DATE	5-29-84
CHECKED	P
DATE	5-30-84
CONT. NO.	560

**PORT OF TACOMA**  
TACOMA TERMINALS, INC.  
SITE PLAN

APPROVED	<i>John F. [Signature]</i>	5/31/84
PROJ. MGR.	<i>[Signature]</i>	DATE
DATE	5/21/84	DATE

SCALE	AS NOTED
DRAWING NO.	EP-3880-23-C107
SHEET	9 OF 88



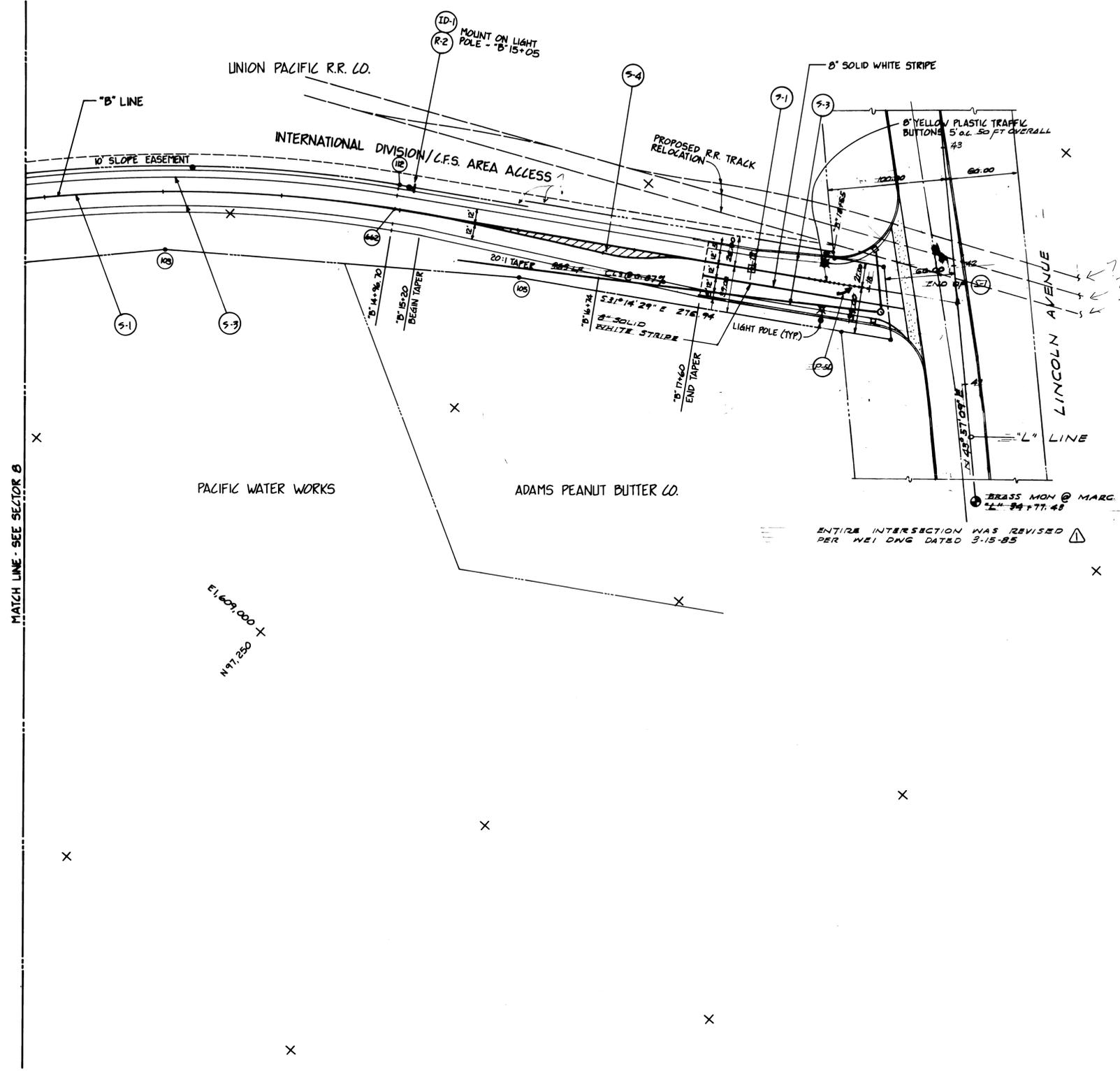
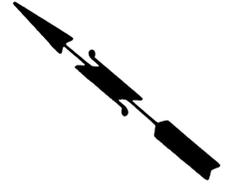
**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 90th Street P.O. Box 5877  
Tacoma, Washington 98405 (206) 272-5144



REVISION	BY	APP.	DATE
REVISIO TO AS BUILT	A.J.S.	[Signature]	10-22-88



N 96.730  
+ E 1,610.000

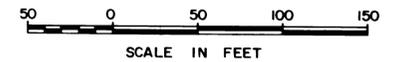


ENTIRE INTERSECTION WAS REVISED  
PER MEETING DATED 3-15-85

MATCH LINE - SEE SECTION 8

E 1,609.000 +  
N 97.230

1. EXTENT OF CURB ?
2. R/R - PACIFIC RAILROAD ?
3. LOCATION N.E. P.L. ?

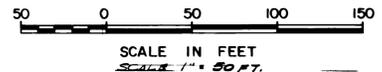
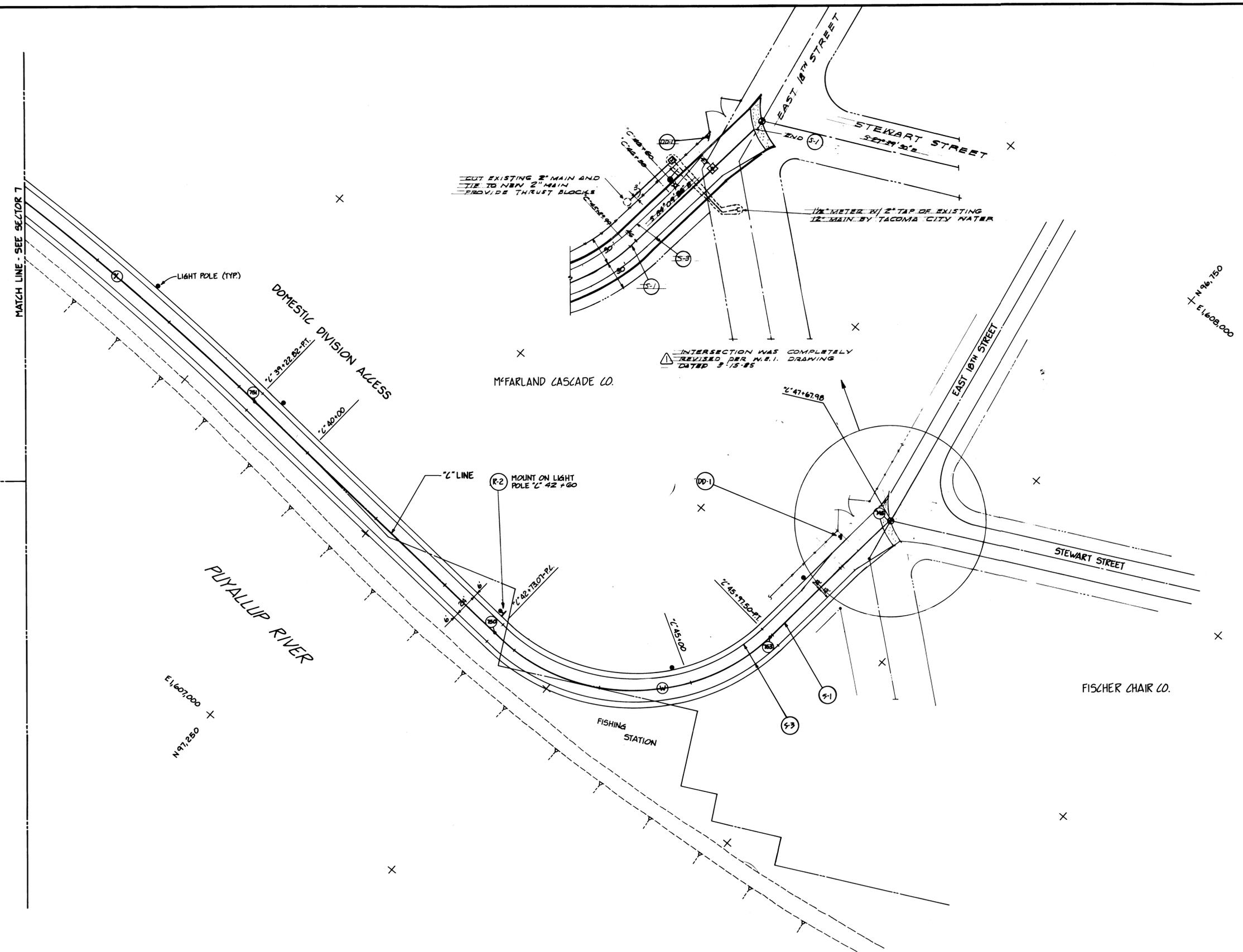
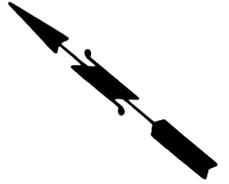


DRAWN <u>RHT</u> DATE <u>5-29-84</u>	<b>PORT OF TACOMA</b> <b>TACOMA TERMINALS, INC.</b> <b>SITE PLAN</b>
CHECKED <u>JTP</u> DATE <u>5-30-84</u>	
CHECKED <u>F</u> DATE <u>5-30-84</u>	
CONT. NO. <u>560</u>	
FIELD BOOK (S) _____ APPROVED <u>[Signature]</u> <u>5/21/84</u> DATE _____ PROJECT MANAGER <u>[Signature]</u> <u>5/21/84</u> DATE _____ CHECK ENGINEER _____	SCALE AS NOTED DRAWING NO. <b>EP-3880-23-C109</b> SHEET <u>11</u> OF <u>88</u>



**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 30<sup>th</sup> W. STREET P.O. BOX 5617  
 TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
△	REVISED TO AS-BUILT	A.J.S.		10-23-84



DRAWN	RHT
DATE	5-29-84
CHECKED	JTP
DATE	5-30-84
CHECKED	P
DATE	5-30-84
CONT. NO.	560

**PORT OF TACOMA**  
**TACOMA TERMINALS, INC.**  
**SITE PLAN**

FIELD BOOK (S)		SCALE	AS NOTED
APPROVED	<i>[Signature]</i>	DATE	5/31/84
PROJ. ENGINEER	<i>[Signature]</i>	DATE	5/31/84
CHIEF ENGINEER		DATE	
DRAWING NO.	EP-3880-23-C110	SHEET	12 OF 88



**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 214 S. K STREET P.O. BOX 5617  
 TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
▲	REVISED TO AS BUILT	R.J.S.		5/31/84

PUYALLUP RIVER

SINGLE 4" SOLID YELLOW STRIPE  
EACH SIDE OF BARRIER

NEW LEVEE  
ACCESS ROAD  
EMPLOYEE PARKING  
PERIMETER FENCE (TYP)

EAST 11TH STREET

MAINTENANCE AREA

REEFER LINE

MAINTENANCE BUILDING

PORT OF TACOMA  
TACOMA TERMINALS, INC.  
SITE PLAN

SCALE IN FEET  
0 20 40 60

LEGEND  
 ○ POLES TO BE REMOVED BY OTHERS  
 ● POLES TO BE INSTALLED BY OTHERS  
 □ GUARD POSTS TO BE INSTALLED (7) (316)  
 SEE 1101 & 1201 FOR ADDITIONAL LEGEND.

PLACE 3" THICK POLYSTYRENE ON TOP OF TELEPHONE VAULT NO. 495. WHERE AREA IS DARKENED BENEATH CONCRETE PAVEMENT SEE DETAILS ON SHEET C-305 FOR MODIFICATIONS TO VAULTS 494 & 495. MANHOLE LIDS FOR 495 SHALL BE ADJUSTED TO ELEV. 14.50

NOTE: 1" HOLES SHALL BE PLACED IN THEIR PROPER LOCATION ACCORDING TO THE DETAIL ON 1316 FOR ANCHORING BALKING LOGS.

DRAWN RHT  
DATE 5-29-84  
CHECKED J.T.P.  
DATE 6-30-84  
CHECKED P  
DATE 5-31-84  
CONT. NO. 560

FIELD BOOK (S)  
APPROVED [Signature] 5/31/84  
DATE 5/31/84  
PROJECT MANAGER [Signature]  
DATE 5/31/84  
SHEET 13 OF 88

ADDENDUM #2

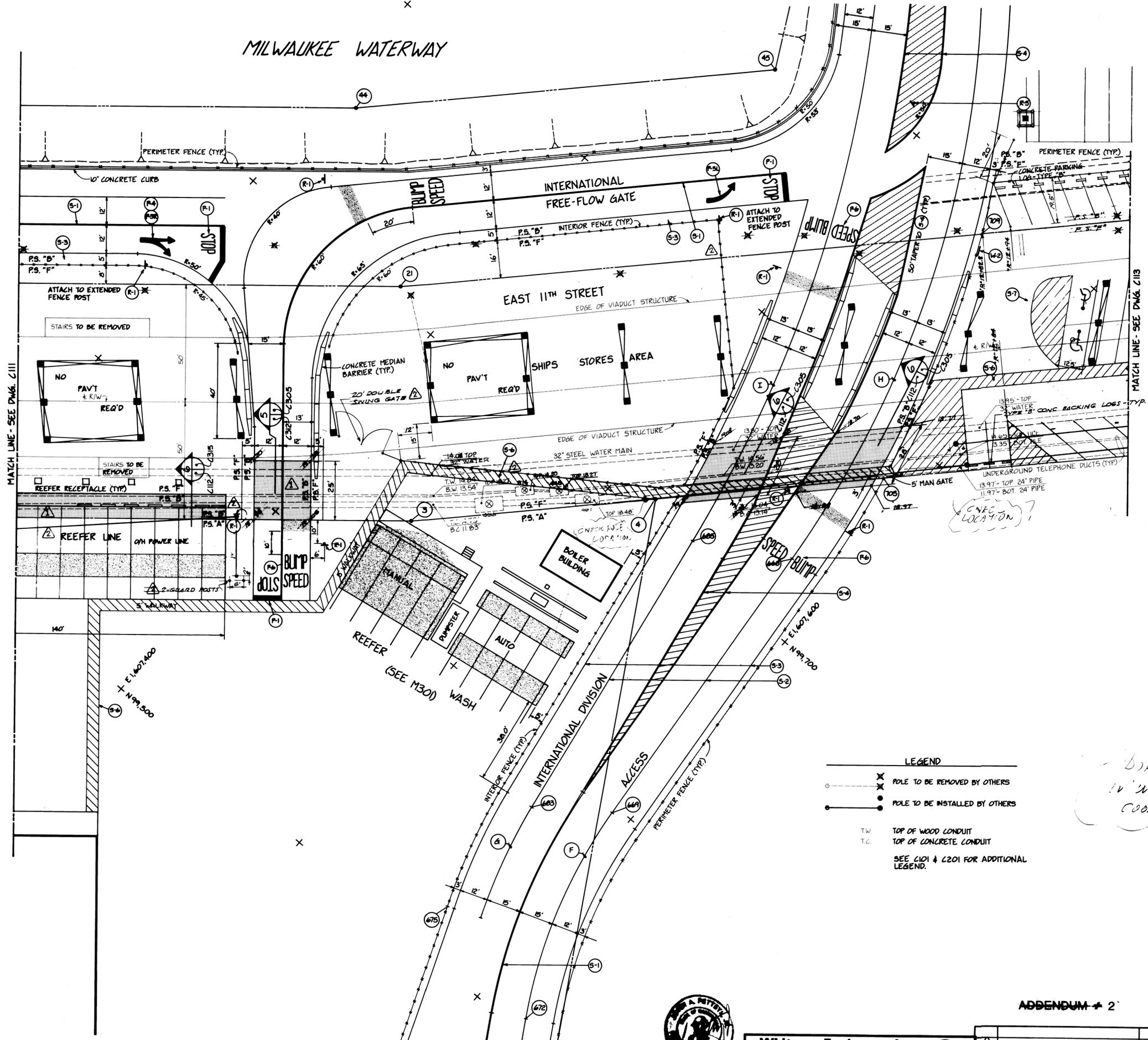
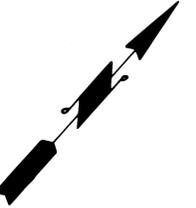
Whitacre Engineers, Inc.  
Consulting Engineering & Land Planning  
2124 SO. "K" STREET P.O. BOX 5477  
TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
△	REVISED TO AS-BUILT	R.J.S.		6.22.84
△	ADD CONCRETE PADS, REVISE ROLLY STRIPS	RHT	P	6/11/84



MATCH LINE - SEE DWG. C112

MILWAUKEE WATERWAY



- LEGEND**
- ✕ POLE TO BE REMOVED BY OTHERS
  - POLE TO BE INSTALLED BY OTHERS
  - TW TOP OF WOOD CONDUIT
  - TC TOP OF CONCRETE CONDUIT
  - SEE L201 & L201 FOR ADDITIONAL LEGEND.

*DOES NOT APPEAR  
IN THE LWB FOR FENCE  
COORDINATES STA 12-17-94  
CHECK LOCATION OF  
LARGE POLES?*



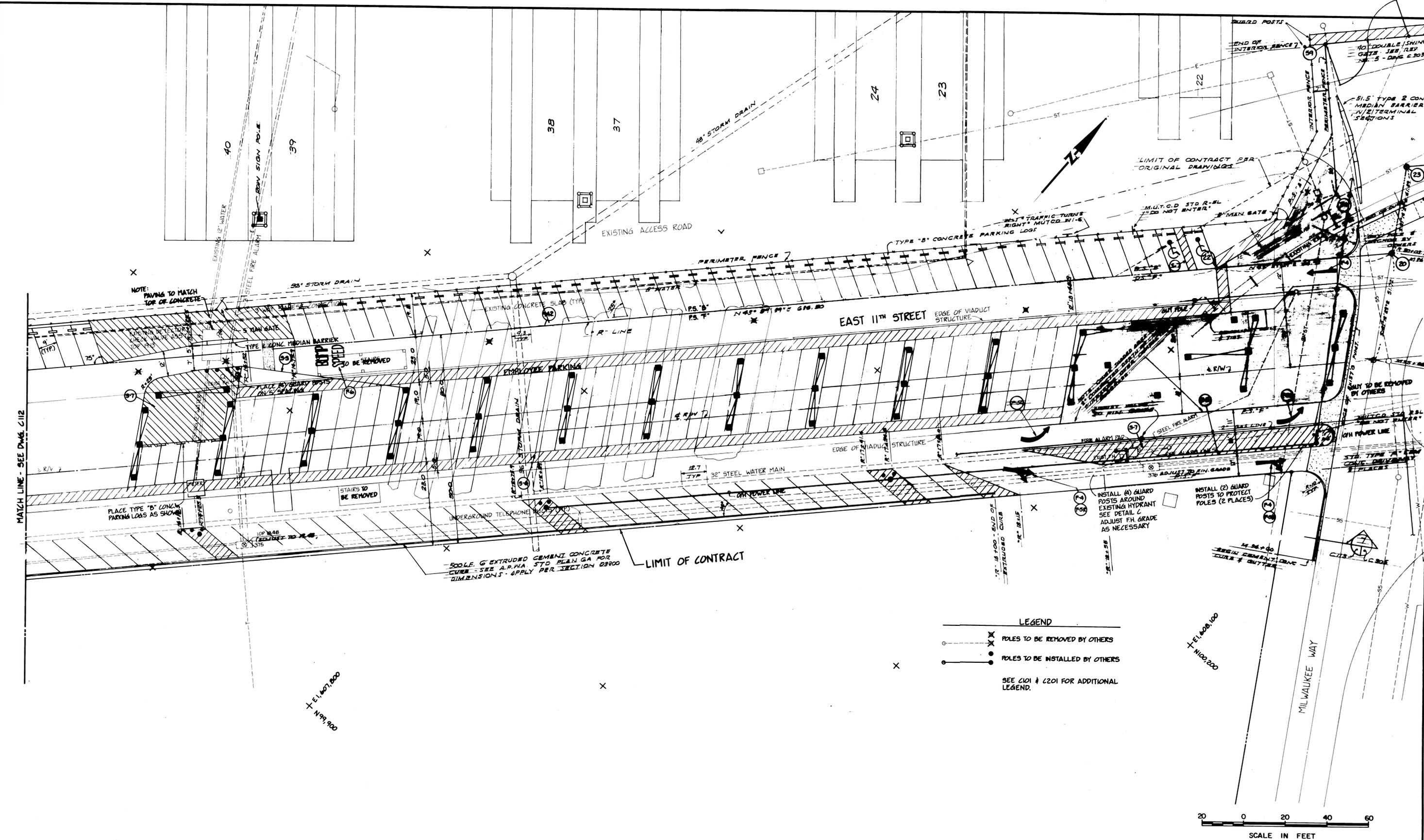
DRAWN: RHT DATE: 5-29-84 CHECKED: JEP DATE: 5-30-84 CHECKED: P DATE: 5-30-84 CONT. NO.: 560	<p align="center"><b>PORT OF TACOMA</b> <b>TACOMA TERMINALS, INC.</b> <b>SITE PLAN</b></p>	FIELD BOOK (S) APPROVED: <i>John Tapp</i> DATE: 5/31/84 PROJECT MANAGER: <i>R. MacLeod</i> DATE: 5/31/84 CHECK ENGINEER:	SCALE: AS NOTED DRAWING NO.: EP-3880-23-C112 SHEET: 14 OF 88
---	--	---	--

ADDENDUM # 2

**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 80<sup>th</sup> STREET, P.O. BOX 5477  
 TACOMA, WASHINGTON 98405 (206) 272-5144

REVISION MARK	REVISION BY APP. DATE	REVISED TO AS BUILT R.J.S. 10/2/84	ADD CONCRETE PADS, ADD GATE RHT P 4/1/84
------------------	--------------------------------	--	---





MATCH LINE - SEE DWG. C112

CORNER  
+ E114671.600  
+ N99.900



**LEGEND**

- ⊗ POLES TO BE REMOVED BY OTHERS
- ⊙ POLES TO BE INSTALLED BY OTHERS

SEE C101 & C201 FOR ADDITIONAL LEGEND.

DRAWN RHT  
DATE 5-29-84  
CHECKED J.T.P.  
DATE 5-30-84  
CHECKED J.P.  
DATE 5-30-84  
CONT. NO. 560

**PORT OF TACOMA**  
**TACOMA TERMINALS, INC.**  
**SITE PLAN**

FIELD BOOK (S) \_\_\_\_\_  
APPROVED \_\_\_\_\_ DATE 5/31/84  
PROJECT MANAGER \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE AS NOTED  
DRAWING NO. EP-3880-23-C113  
SHEET 15 OF 88



**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 SO. K STREET P.O. BOX 5877  
TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
△	REVISED TO AS BUILT	R.J.S.		10-28-84

NOTE: The Contractor shall refer to the construction and as-built drawings for the West Sitem Terminal Development (T.O.T.E.):

Phase 1	Contract No. 456	Site Preparation	EP-3485-23	1 thru 12
Phase 2	Contract No. 468	Pier Work	EP-3544-23	1 thru 12
Phase 3	Contract No. 462	Paving & Utilities	EP-3545-23	1 thru 19
Phase 4	Contract No. 463	Control Tower	EP-3555-23	1 thru 5

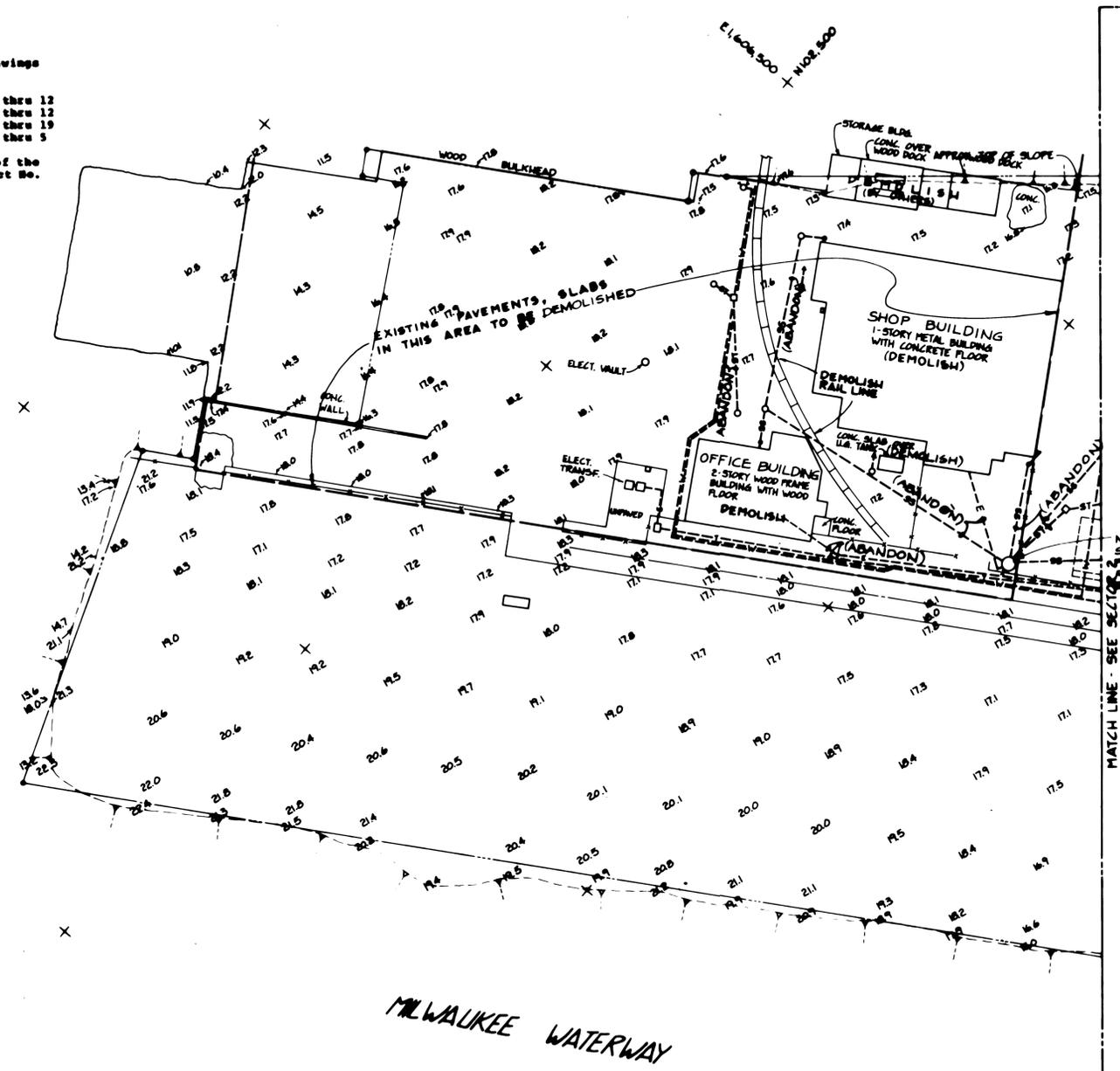
These plans are available from the Chief Engineer's office of the Port of Tacoma. The plans for the current pier work, Contract No. 542, EP-3846-23 Sheets 1 thru 57, are also available.

LEGEND	
BRIDGE PIERS & X-BRACING	
PROJECT BOUNDARY (LEASE LINE)	
RIGHT-OF-WAY	
ROAD &	
ROAD	
PARKING SPACE	
RAILROAD SPUR	
FENCE	
OUTFALL STRUCTURE	
PAVING SURFACE CONTOUR	
SPOT ELEVATION	
SLOPE	
ROW SIGN POLE	
STORM SEWER	
MANHOLE	
CATCH BASIN	
DRAINAGE SWALE	
SANITARY SEWER	
WATER	
FIRE WATER	
DOMESTIC WATER	
FIRE HYDRANT	
VALVE	
METER	
ELECTRICAL CONDUIT	
TELEPHONE CONDUIT	
ELECTRICAL & TELEPHONE IN COMMON TRENCH	
ELECTRICAL VAULT	
TELEPHONE VAULT	
LIGHT POLE	
POWER POLE	
POWER POLE & GUY	

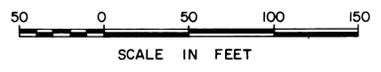
NOTES:

- The Contractor shall refer to the other portions of the plans and specifications for further indication of underground utilities to remain, be abandoned, or to be demolished.
- The following items shall be removed by the Contractor from the T.O.T.E. site and delivered by September 1, 1984 to a location to be designated on Port of Tacoma property in the tidelands area.
  - All main yard light poles, including lights and switches. The lights and switches shall be removed before the poles are laid down so as to prevent damage.
- The following items shall be removed from the T.O.T.E. site by Port of Tacoma forces prior to August 1, 1984.
  - (4) electrical panels north of Office Building
  - (1) 7.5 K.V.A. transformer and (1) 37.5 K.V.A. transformer north of Office Building
  - (1) sump pump in vault near Office Building
  - All pole lights at the north end of Shop Building
  - Emergency lighting in Office Building
  - Security system in Office Building
  - (2) water heater faucets in Office Building
  - (1) 38 K.V.A. transformer in Shop Building
  - (1) 488 volt breaker panel in Shop Building
  - Outside shop lights, south of Shop Building
  - Flag pole
  - (4) 488 amp reefer line panels
  - All row sign poles
  - Weather heads for reefer line
  - Overhead wire for reefer line
  - Transformer and (4) panels for reefer line
  - All guard posts
  - Fire valve in Shop Building office
  - Guard rail around existing T.O.T.E. pier(s)
  - (2) reefer electrical stands by existing T.O.T.E. pier(s)
  - Shrubbery near Office Building
- The following items shall be removed from the T.O.T.E. site by others September 1, 1984.
  - Truck scale and appurtenances (not including pit)
  - Mobile Office
  - Bridge crane in Shop Building
  - Motorized gate at existing site entrance
  - Miscellaneous items in Shop Building
    - Ceiling panels and hanging strips
    - Ceiling vent grills
    - Plastic light covers
    - (6) heavy birch doors
- The Control Tower and Service Building shall be removed by others no later than November 1, 1984.
- All other items on the site, including the Vehicle Check-in Station, Office Building, Shop Building, and Guard House shall on removal from the site become property of the Contractor.
- Demolition of the existing wooden ramp shall be done concurrently with the structural modifications to the East 11th Street viaduct.
- The Contractor shall notify Tacoma City Light for their removal of primary switchgear (2 locations); primary metering equipment (1 location); 13.8 KV transformers (2 locations); and (1) each 588 KVA and 188 KVA transformers. See as-built drawings for Contract No. 462.
- The Contractor shall notify Pacific Northwest Bell for their removal of junction boxes.
- All remaining foundations, conduits, etc. for City Light and Telephone Company installations shall be demolished by the Contractor.
- For additional detail to site existing conditions, the Contractor shall refer to Contract No. 542, Sheets 6 through 11 of 57, "Site Preparation (Temporary Relocation of Existing T.O.T.E. Shore Facilities)".
- Existing Type "A" Parking Logs utilized in T.O.T.E. relocation work may be reused (approximately 88 total).

COMMENTARY BAY



NOTE: SEE C401 & C414 FOR DETAILS ON RELOCATION OF SEWAGE PUMPS



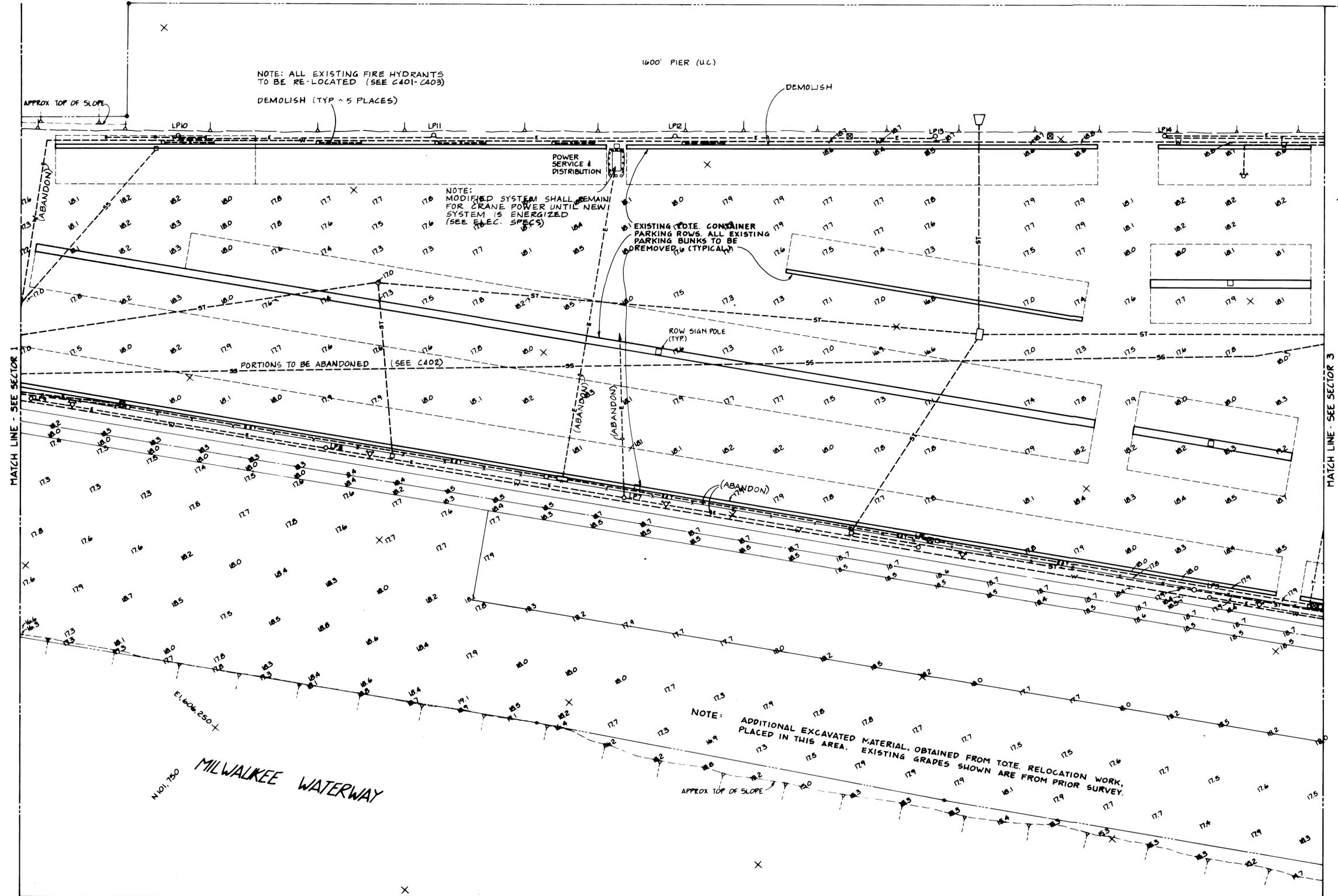
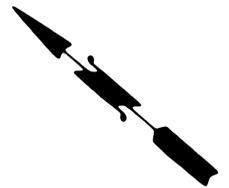
DRAWN: RHT DATE: 5-30-84 CHECKED: JTP DATE: 5-31-84 CHECKED: P DATE: 5-30-84 CONT. NO.: 560	<b>PORT OF TACOMA</b> <b>TACOMA TERMINALS, INC.</b> <b>DEMOLITION PLAN &amp; EXISTING CONDITIONS</b>
FIELD BOOK (S) APPROVED: <i>John Farnsworth</i> 5/31/84 PROJECT MANAGER: <i>Bob MacLeod</i> 5/31/84 DATE: 5/31/84 CHIEF ENGINEER	SCALE: AS NOTED DRAWING NO.: EP-3880-23-C 201 SHEET 16 OF 88



**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 SO. "K" STREET P.O. BOX 9477  
 TACOMA, WASHINGTON 98402 206-272-9444

NO.	AS-BUILT CHANGES	BY	APP.	DATE
1	REVISED PER APPENDUM NO. 2	JTP	JTP	7-11-84

SITCUM WATERWAY



NOTE: ALL EXISTING FIRE HYDRANTS TO BE RE-LOCATED (SEE C401-C403)  
DEMOLISH (TYP ~ 5 PLACES)

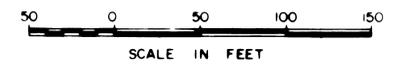
NOTE: MODIFIED SYSTEM SHALL REMAIN FOR CRANE POWER UNTIL NEW SYSTEM IS ENERGIZED (SEE ELEC. SPECS)

EXISTING TOTE CONTAINER PARKING ROWS. ALL EXISTING PARKING BUNKS TO BE DEMOLISHED (TYPICAL)

PORTIONS TO BE ABANDONED (SEE C402)

NOTE: ADDITIONAL EXCAVATED MATERIAL, OBTAINED FROM TOTE RELOCATION WORK, PLACED IN THIS AREA. EXISTING GRADES SHOWN ARE FROM PRIOR SURVEY.

THIS DRAWING REPLACES AND VOIDS THE PREVIOUS DRAWING EP-3880-23-C202, SHEET 17 OF 88, WHICH BEARS AN APPROVAL DATE OF 5-31-84.



MATCH LINE - SEE SECTOR 4

**PORT OF TACOMA**  
TACOMA TERMINALS, INC.  
DEMOLITION PLAN &  
EXISTING CONDITIONS

DRAWN	JHT
DATE	6-21-84
CHECKED	JTS
DATE	6-21-84
CHECKED	P
DATE	6-21-84
CONT NO.	540

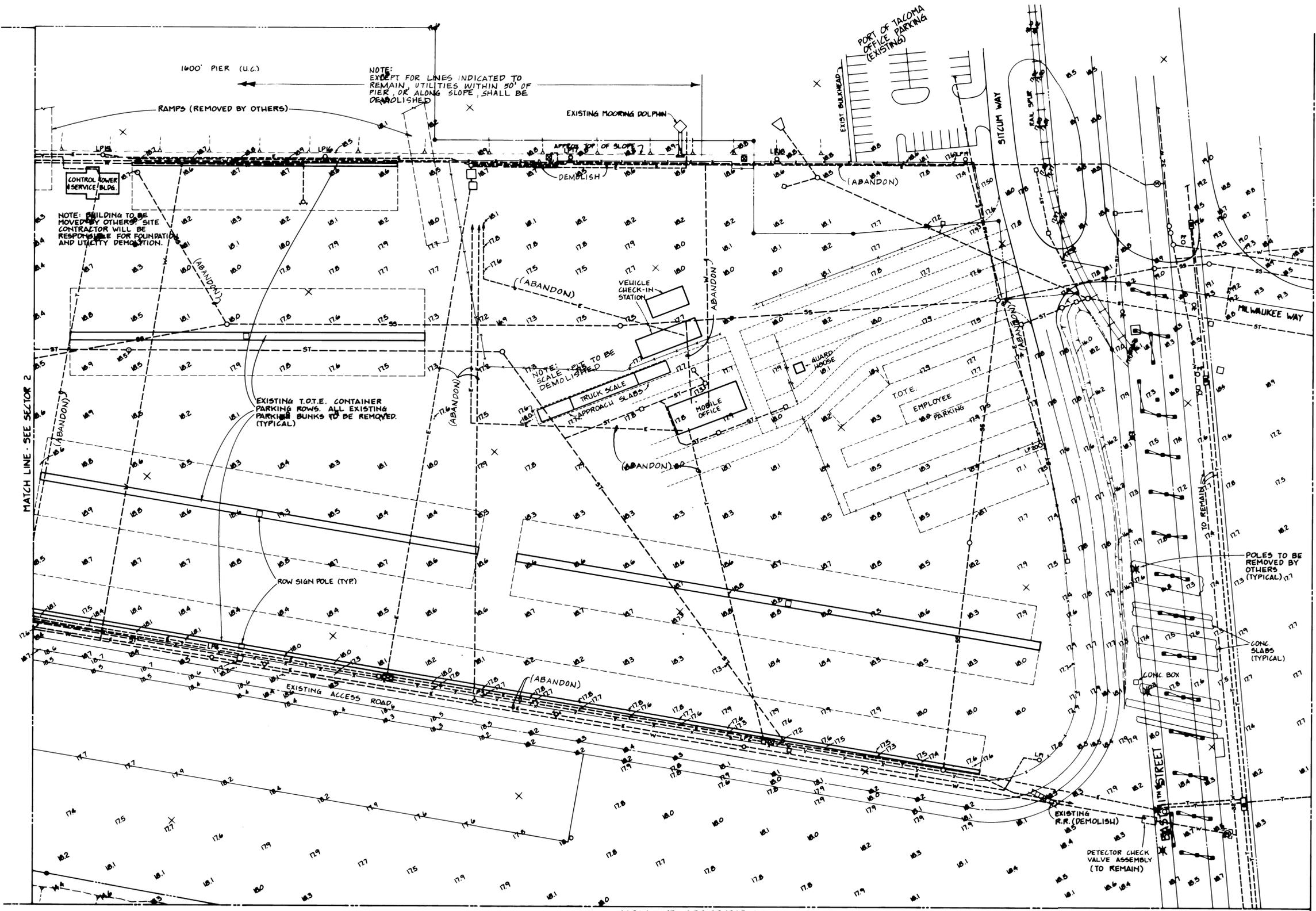
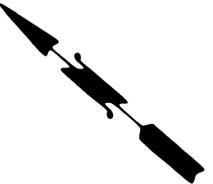
ADDENDUM # 2



**Whitcomb Engineers, Inc.**  
Consulting Engineering & Land Planning  
1000 2nd St., Seattle, WA 98101  
206-461-1100

REVISION	BY	APP	DATE

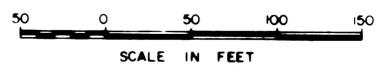
FIELD BOOK NO.		SCALE	AS NOTED
APPROVED	<i>John A. Petter</i>	DATE	6/21/84
DRAWING NO.	EP-3880-23-C 202	SHEET	17 OF 88



N100250

E14008000

THIS DRAWING REPLACES AND VOIDS THE PREVIOUS DRAWING EP-3000-023-0203, SHEET 18 OF 80, WHICH BEARS AN APPROVAL DATE OF 5-31-84.



N100250

E14007000

MATCH LINE - SEE SECTOR 4

ADDENDUM #2



Whitcomb Engineers, Inc.  
Civil, Surveying & Land Planning  
1000 1st Ave. S.W. Seattle, WA 98101

REVISION	BY	APP.	DATE

DRAWN	RTT
DATE	6-21-84
CHECKED	J.P.
DATE	6-21-84
CHECKED	F
DATE	6-21-84
CONT. NO.	580

**PORT OF TACOMA**  
**TACOMA TERMINALS, INC.**  
**DEMOLITION PLAN &**  
**EXISTING CONDITIONS**

APPROVED	<i>Joan A. Petry</i>	6/21/84	SCALE AS NOTED
PROJECT NO.	EP-3000-23C 203		
SHEET	18	OF	88

MATCH LINE - SEE SECTOR 2

MATCH LINE - SEE SECTOR 3

MILWAUKEE WATERWAY

PUYALLUP WATERWAY

MATCH LINE - SEE SECTOR 5

MATCH LINE - SEE SECTOR 6

NOTE: ACTUAL LOCATION, EXTENT, AND EXISTENCE OF UNDERGROUND LINES IN THIS AREA ARE UNKNOWN.

\* INDICATES POLES TO BE REMOVED BY OTHERS (TYPICAL)

INDICATES LINE DEMOLISHED UNDER PREVIOUS CONTRACT.

NOTE: ALL EXISTING OIL, STEAM, AND WATER LINES TO BE DEMOLISHED UNLESS INDICATED TO REMAIN ON THIS OR OTHER DRAWINGS.

NOTE: THE CONTRACTOR SHALL EXERCISE THE PROPER PRECAUTIONARY MEASURES TO PROTECT THE EXISTING 36" WATER LINE, TELEPHONE CONDUITS, AND RELATED APPURTENANCES.

NOTE: SEE STRUCTURAL DRAWINGS REGARDING MODIFICATIONS TO EXISTING 11TH STREET VIADUCT.

SCALE IN FEET

DRAWN RHT  
DATE 5-30-84  
CHECKED JIP  
DATE 5-30-84  
CHECKED P  
DATE 5-30-84  
CONT. NO. 560

PORT OF TACOMA  
TACOMA TERMINALS, INC.  
DEMOLITION PLAN &  
EXISTING CONDITIONS

ADDENDUM #2



Whitacre Engineers, Inc.  
Consulting Engineering & Land Planning  
2124 80th N. STREET P.O. BOX 9477  
TACOMA, WASHINGTON 98406 (206) 272-5144



REVISION	BY	APP.	DATE
GEN. REVISION OF LINES TO BE DEMOLISHED	JIP	JIP	6-2-84

APPROVED	DATE	DRAWING NO.
<i>John Petties</i>	5/31/84	EP-3880-23-C204
DATE	DATE	SHEET
5/31/84	5/31/84	19 OF 88

MATCH LINE - SEE SECTOR 4

MATCH LINE - SEE SECTOR 6

MATCH LINE - SEE SECTOR 7

PUYALLUP WATERWAY

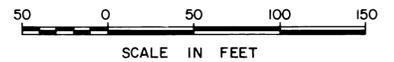
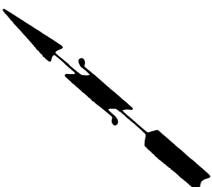
EAST 11<sup>TH</sup> STREET

EXIST WOODEN RAMP (DEMOLISH)  
(SEE STRUCTURAL DWGS FOR DETAILS)

OVERHEAD TELEPHONE  
DUCTS (DO NOT DISTURB)

E. 606.500  
N.P. 730 +

E. 606.750  
N.P. 230 +



# PORT OF TACOMA

## TACOMA TERMINALS, INC.

### DEMOLITION PLAN & EXISTING CONDITIONS

DRAWN RHT  
DATE 5-30-84  
CHECKED J.P.  
DATE 5-20-84  
CHECKED P  
DATE 5-30-84  
CONT. NO. 560

FIELD BOOK (S) \_\_\_\_\_  
APPROVED [Signature] 5/31/84  
PROJECT MANAGER [Signature] 5/31/84  
DATE \_\_\_\_\_  
SCALE AS NOTED  
DRAWING NO. EP-3880-23-C205  
SHEET 20 OF 88

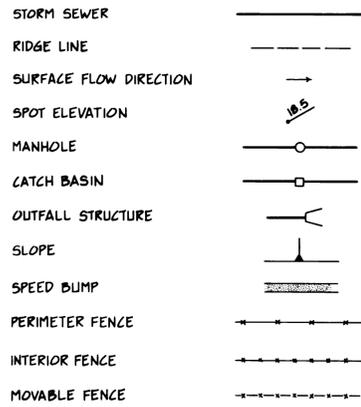


**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
224 SO. 14<sup>TH</sup> STREET P.O. BOX 5477  
TACOMA, WASHINGTON 98402 (206) 272-5144

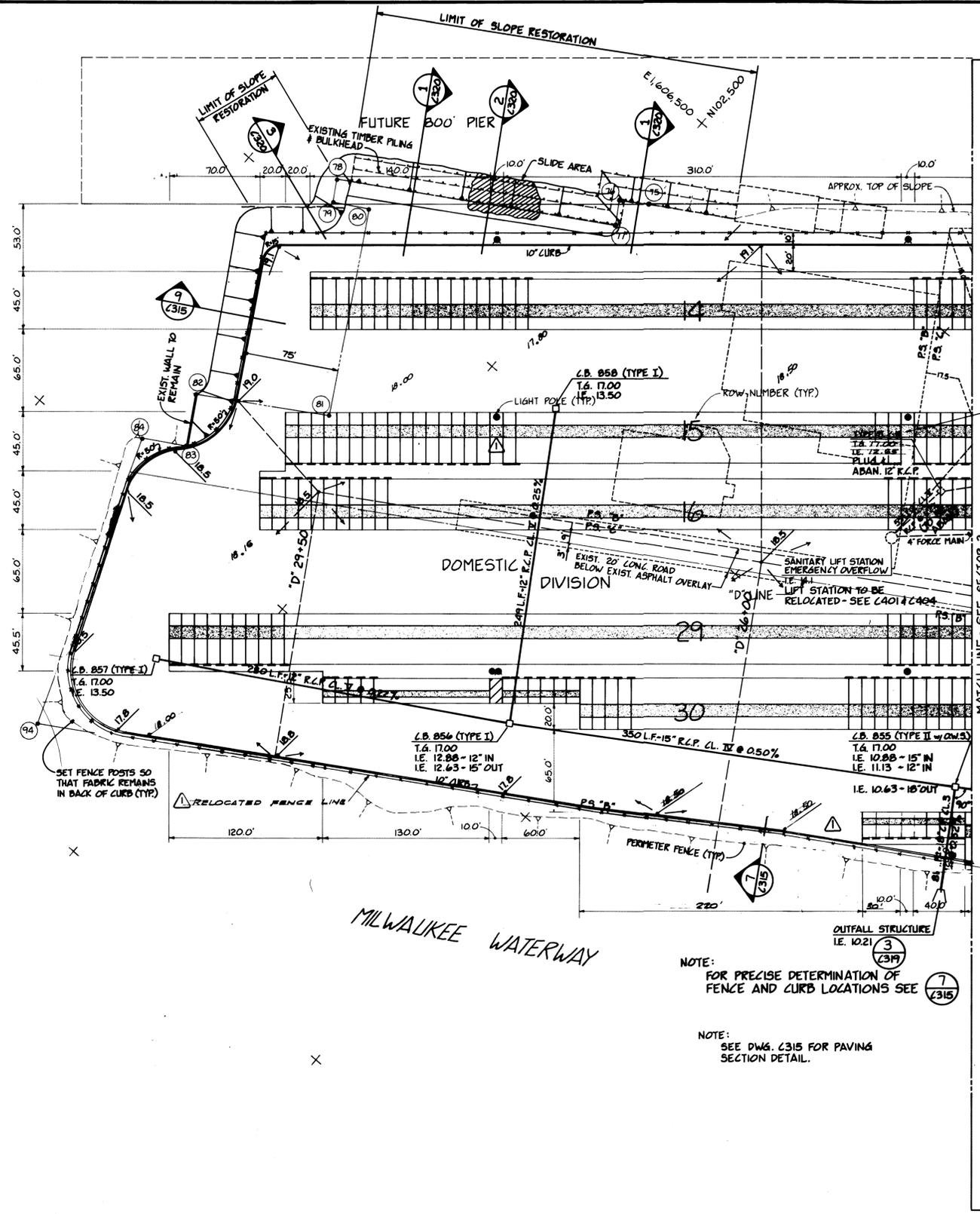
NO.	REVISION	BY	APP.	DATE

**LEGEND**

- NOTES:  
 1. SEE C101, C401 & E101 FOR ADDITIONAL SITE DRAWING LEGENDS.  
 2. SEE C201 FOR LEGEND OF EXISTING FEATURES.  
 3. CATCH BASIN & MANHOLE NUMBERS REFER TO HORIZONTAL COORDINATES.



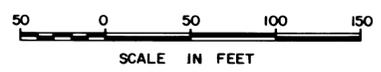
COMMENCEMENT BAY



DELETED 10' WIDE GAP IN DOLLY STRIP PER ADDENDUM NO. 2

NOTE:  
FOR PRECISE DETERMINATION OF FENCE AND CURB LOCATIONS SEE (7) (315)

NOTE:  
SEE DWG. C315 FOR PAVING SECTION DETAIL.

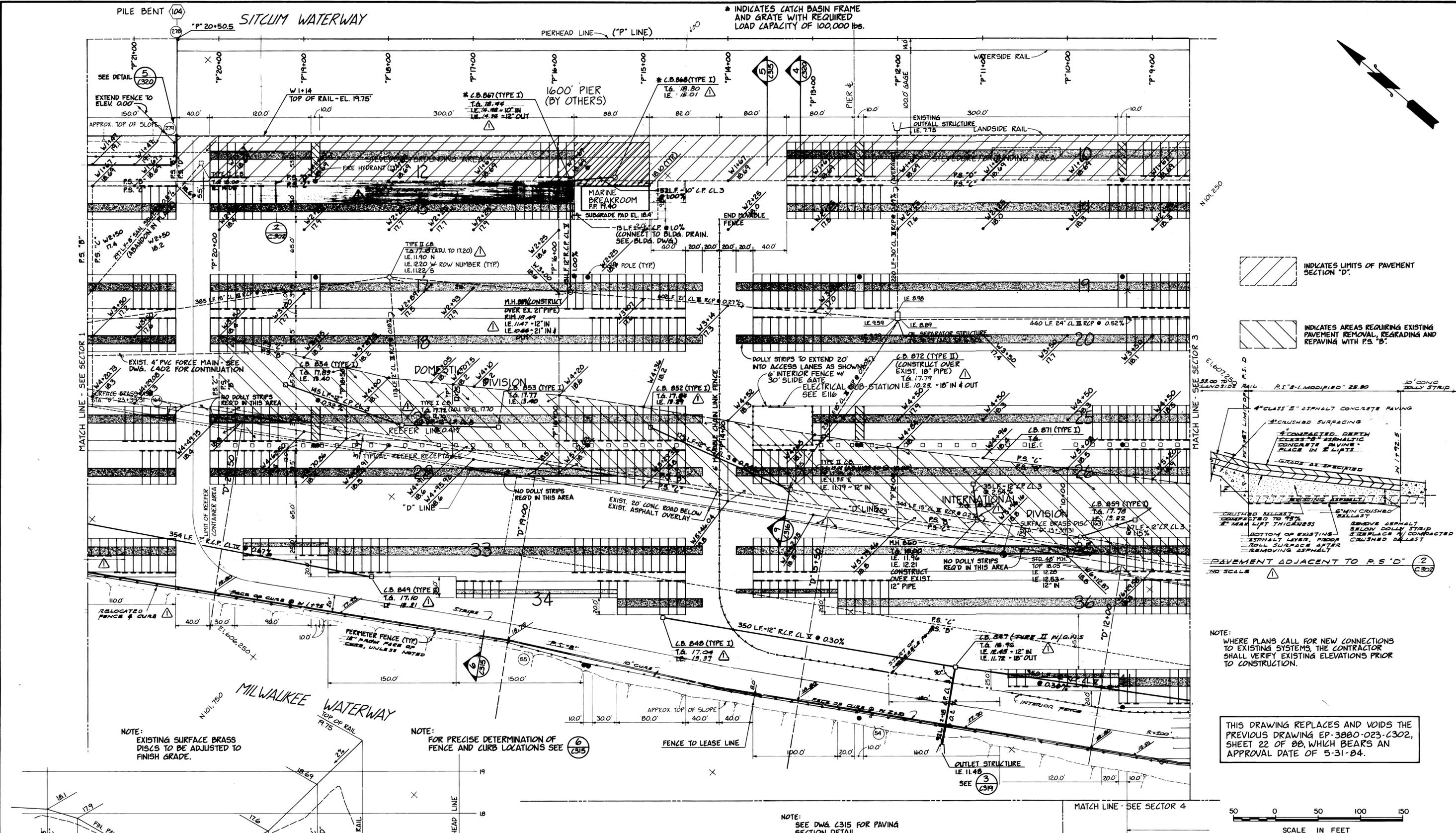


DRAWN: EHT DATE: 5-30-84 CHECKED: J.T.P. DATE: 8-30-84 CHECKED: P DATE: 5-30-84 CONT. NO.: 560	<b>PORT OF TACOMA</b> TACOMA TERMINALS, INC. PAVING & DRAINAGE PLAN
FIELD BOOK (S) APPROVED: <i>John T. ...</i> 5/31/84 DATE: 5/31/84	SCALE: AS NOTED DRAWING NO.: EP-3880-23-C 301 SHEET: 21 OF 88



**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 SO. W. STREET P.O. BOX 3677  
 TACOMA, WASHINGTON 98402 (206) 272-9444

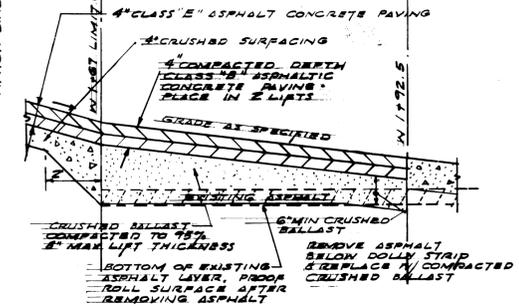
REVISION	BY	APP.	DATE



\* INDICATES CATCH BASIN FRAME AND GRATE WITH REQUIRED LOAD CAPACITY OF 100,000 lbs.

INDICATES LIMITS OF PAVEMENT SECTION "D".

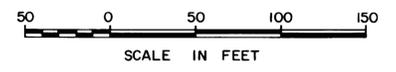
INDICATES AREAS REQUIRING EXISTING PAVEMENT REMOVAL, REGRADING AND REPAVING WITH P.S. "B".



PAVEMENT ADJACENT TO P.S. "D" (2) C302

NOTE: WHERE PLANS CALL FOR NEW CONNECTIONS TO EXISTING SYSTEMS, THE CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.

THIS DRAWING REPLACES AND VOIDS THE PREVIOUS DRAWING EP-3880-023-C302, SHEET 22 OF 88, WHICH BEARS AN APPROVAL DATE OF 5-31-84.



PILE BENT (104) P 20+50.5 SITCUM WATERWAY

PIERHEAD LINE ("P" LINE)

1600' PIER (BY OTHERS)

WATERSIDE RAIL

LANDSIDE RAIL

MARINE BREAKROOM FF 11.40

MILWAUKEE WATERWAY

ADDENDUM # 2

NOTE: EXISTING SURFACE BRASS DISCS TO BE ADJUSTED TO FINISH GRADE.

NOTE: FOR PRECISE DETERMINATION OF FENCE AND CURB LOCATIONS SEE (6) C315

NOTE: SEE DWG. C315 FOR PAVING SECTION DETAIL.

X-SECTION @ "P" 12+00  
1" = 50' HORIZ. - 1" = 1' VERT.

(1) C302 C302



**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2724 SO. "K" STREET, P.O. BOX 5417  
TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
	REVISED TO AS BUILT			10-27-85

DRAWN	RHT
DATE	6-21-84
CHECKED	J.P.
DATE	6-21-84
CHECKED	J.P.
DATE	6-21-84
CONT. NO.	560

**PORT OF TACOMA**  
TACOMA TERMINALS, INC.  
PAVING & DRAINAGE PLAN

FIELD BOOK (S)		SCALE	AS NOTED
APPROVED	<i>[Signature]</i>	DATE	6/21/84
PROJECT MANAGER		DATE	
CHIEF ENGINEER		DATE	
DRAWING NO.	EP-3880-23-C302	SHEET	22 OF 88

PIERHEAD LINE ("P" LINE)

23 PILE BENT

OUTFALL STRUCTURE 3 (319)

1600' PIER (BY OTHERS)

NOTE: P.S. "B" - PAVEMENT SECTION "B"

SEE DETAIL (320)

EXISTING MOORING DOLPHIN

MARINE SERVICES & VESSEL OPERATIONS BUILDING F.F. 19.10

EXISTING OUTFALL STRUCTURE I.E. 4.72

EXIST. BULKHEAD

STD. 54" MH. I.E. 5.06

NO PARKING

24' FUTURE PORT PARKING

INTERMODAL GUARD HOUSE

24' FUTURE PORT PARKING

INDICATES LIMITS OF PAVEMENT SECTION "D"

INDICATES AREAS REQUIRING EXISTING PAVEMENT REMOVAL, REGRADING AND REPAVING WITH P.S. "B"

NOTE: THE 40' OUTFALL CONSTRUCTION SHALL BE COORDINATED WITH THE ACCESS REQUIREMENTS OF OTHER CONTRACTORS. NO MORE THAN 200' OF TRENCH SHALL BE OPEN AT ANY TIME.

NOTE: IN ALL AREAS WHERE GRADES ARE ADJUSTED, EXISTING MANHOLES, CATCH BASINS, ETC. WILL BE ADJUSTED TO THE NEW GRADE.

CAUTION - EXISTING WATER LINES AND TELEPHONE DUCTS - SEE 2113

36" STUBOUT - I.E. 7.02  
PLUG AND MARK END OF PIPE

NOTE: WHERE PLANS CALL FOR NEW CONNECTIONS TO EXISTING SYSTEMS, THE CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.

THIS DRAWING REPLACES AND VOIDS THE PREVIOUS DRAWING EP-3880-023-C303, SHEET 23 OF 88, WHICH BEARS AN APPROVAL DATE OF 5-31-84.

50 0 50 100 150  
SCALE IN FEET

NOTE: SEE DWG. C315 FOR PAVEMENT SECTION DETAIL.

MATCH LINE - SEE SECTOR 4

MATCH LINE - SEE SECTOR 2

INTERNATIONAL DIVISION

REEFER LINE (FUTURE)

NO DOLLY STRIPS REQ'D IN THIS AREA

EXIST. 20' CONC. ROAD BELOW EXIST. ASPHALT OVERLAY

INTERIOR FENCE (TYP)

10" CURB TO MEET BRIDGE ABUTMENT

EXTEND FENCE TO ELEV. 0.00

END OF 10" CURB

FENCE LOCATION FOR ELEV. GRADE WORK SHEETS

310.0'

100.0'

120.0'

40.0'

65.0'

90.0'

110.0'

130.0'

150.0'

170.0'

190.0'

210.0'

230.0'

250.0'

270.0'

290.0'

310.0'

330.0'

350.0'

370.0'

390.0'

410.0'

430.0'

450.0'

470.0'

490.0'

510.0'

530.0'

550.0'

570.0'

590.0'

610.0'

630.0'

650.0'

670.0'

690.0'

710.0'

730.0'

750.0'

770.0'

790.0'

810.0'

830.0'

850.0'

870.0'

890.0'

910.0'

930.0'

950.0'

970.0'

990.0'

1010.0'

1030.0'

1050.0'

1070.0'

1090.0'

1110.0'

1130.0'

1150.0'

1170.0'

1190.0'

1210.0'

1230.0'

1250.0'

1270.0'

1290.0'

1310.0'

1330.0'

1350.0'

1370.0'

1390.0'

1410.0'

1430.0'

1450.0'

1470.0'

1490.0'

1510.0'

1530.0'

1550.0'

1570.0'

1590.0'

1610.0'

1630.0'

1650.0'

1670.0'

1690.0'

1710.0'

1730.0'

1750.0'

1770.0'

1790.0'

1810.0'

1830.0'

1850.0'

1870.0'

1890.0'

1910.0'

1930.0'

1950.0'

1970.0'

1990.0'

2010.0'

2030.0'

2050.0'

2070.0'

2090.0'

2110.0'

2130.0'

2150.0'

2170.0'

2190.0'

2210.0'

2230.0'

2250.0'

2270.0'

2290.0'

2310.0'

2330.0'

2350.0'

2370.0'

2390.0'

2410.0'

2430.0'

2450.0'

2470.0'

2490.0'

2510.0'

2530.0'

2550.0'

2570.0'

2590.0'

2610.0'

2630.0'

2650.0'

2670.0'

2690.0'

2710.0'

2730.0'

2750.0'

2770.0'

2790.0'

2810.0'

2830.0'

2850.0'

2870.0'

2890.0'

2910.0'

2930.0'

2950.0'

2970.0'

2990.0'

3010.0'

3030.0'

3050.0'

3070.0'

3090.0'

3110.0'

3130.0'

3150.0'

3170.0'

3190.0'

3210.0'

3230.0'

3250.0'

3270.0'

3290.0'

3310.0'

3330.0'

3350.0'

3370.0'

3390.0'

3410.0'

3430.0'

3450.0'

3470.0'

3490.0'

3510.0'

3530.0'

3550.0'

3570.0'

3590.0'

3610.0'

3630.0'

3650.0'

3670.0'

3690.0'

3710.0'

3730.0'

3750.0'

3770.0'

3790.0'

3810.0'

3830.0'

3850.0'

3870.0'

3890.0'

3910.0'

3930.0'

3950.0'

3970.0'

3990.0'

4010.0'

4030.0'

4050.0'

4070.0'

4090.0'

4110.0'

4130.0'

4150.0'

4170.0'

4190.0'

4210.0'

4230.0'

4250.0'

4270.0'

4290.0'

4310.0'

4330.0'

4350.0'

4370.0'

4390.0'

4410.0'

4430.0'

4450.0'

4470.0'

4490.0'

4510.0'

4530.0'

4550.0'

4570.0'

4590.0'

4610.0'

4630.0'

4650.0'

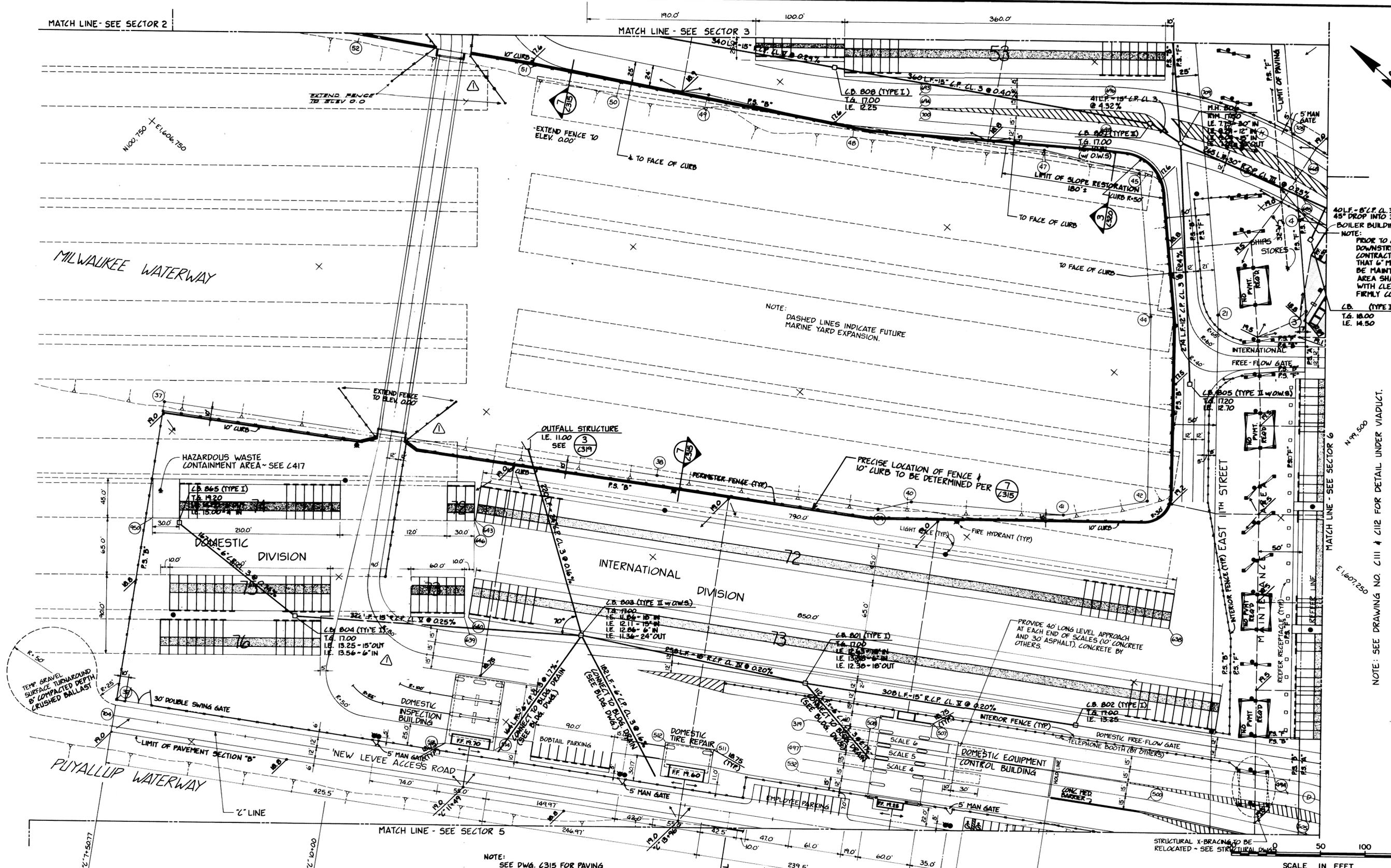
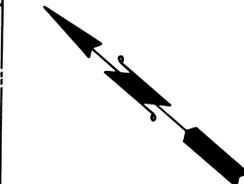
MATCH LINE - SEE SECTOR 2

MATCH LINE - SEE SECTOR 3

MATCH LINE - SEE SECTOR 6

MILWAUKEE WATERWAY

PUYALLUP WATERWAY



NOTE: DASHED LINES INDICATE FUTURE MARINE YARD EXPANSION.

NOTE: PRIOR TO CONSTRUCTION OF DOWNSTREAM OUTFALL LINE, CONTRACTOR SHALL VERIFY THAT 6' MIN. CLEARANCE CAN BE MAINTAINED. THE CROSSING AREA SHALL BE BACKFILLED WITH CLEAN SAND AND BE FIRMLY COMPACTED.

NOTE: SEE DRAWING NO. C111 & C112 FOR DETAIL UNDER VIADUCT.

NOTE: SEE DWG. C315 FOR PAVING SECTION DETAIL.

NOTE: FOR PLACEMENT OF FIRE HYDRANTS, LIGHT POLES AND GUARD POSTS (TYPICAL (3) LOCATIONS ON THIS SHEET) SEE C316

NOTE: THE NUMBERING SYSTEM FOR SCALES 4, 5 & 6 IS FOR CONTRACT PURPOSES ONLY.

SCALE IN FEET  
0 50 100 150

DRAWN	RHT
DATE	5-30-84
CHECKED	JTP
DATE	5-30-84
CHECKED	P
DATE	5-31-84
CONT. NO.	560
FIELD BOOK (S)	
APPROVED	<i>[Signature]</i>
DATE	5/3/84
PROJECT MANAGER	<i>[Signature]</i>
DATE	5/3/84
DATE	5/3/84
DATE	

**PORT OF TACOMA**  
**TACOMA TERMINALS, INC.**  
**PAVING & DRAINAGE PLAN**

SCALE	AS NOTED
DRAWING NO.	EP-3880-23-C304
SHEET	24 OF 88



**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 90th Street P.O. Box 5877  
 Tacoma, Washington 98405 (206) 272-5144



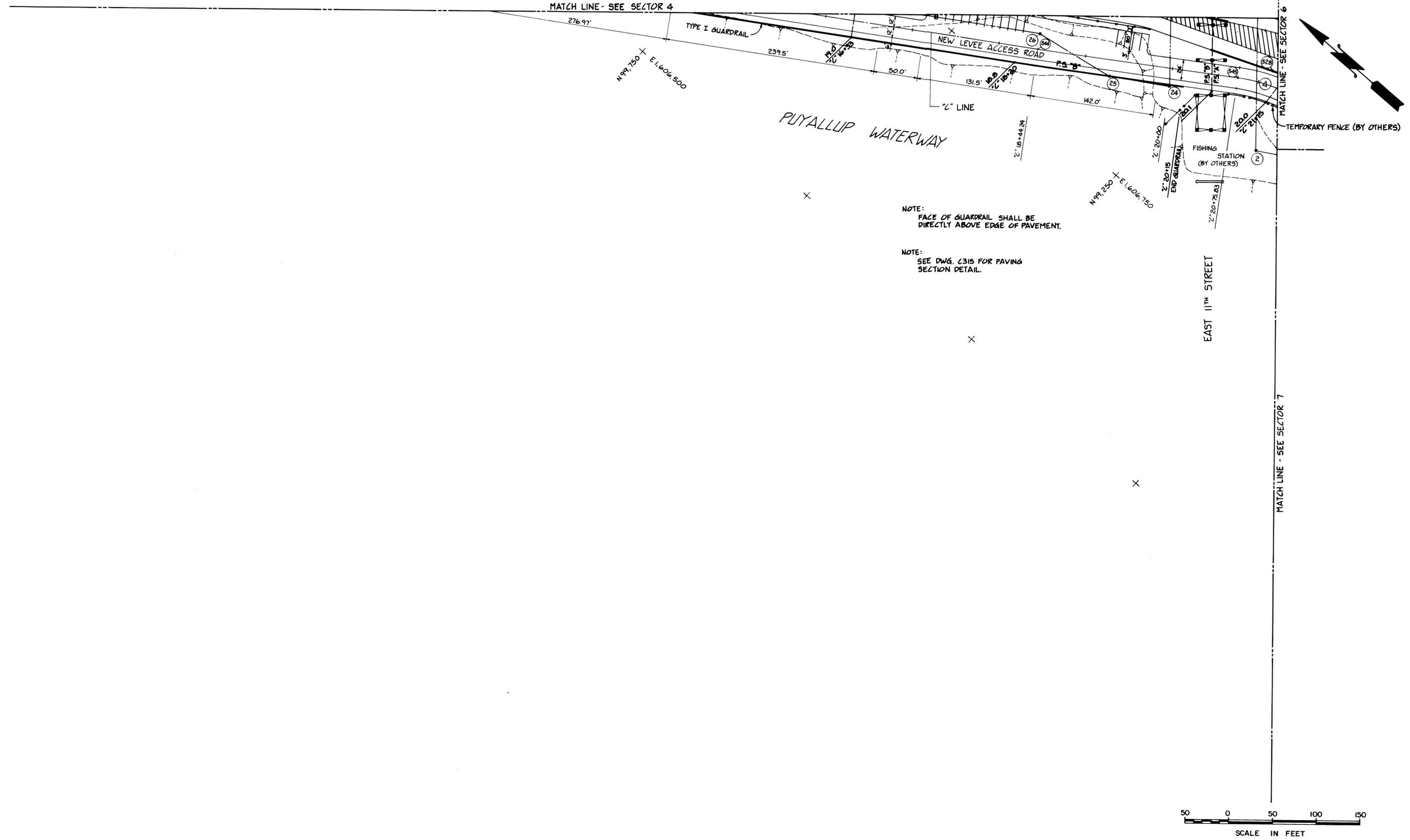
REVISION	BY	APP.	DATE
REVISOR			
REVISION			
REVISION			

NOTE: SEE DWG. C111 FOR DETAIL UNDER VIADUCT.

MATCH LINE - SEE SECTOR 4

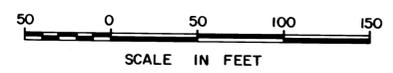
MATCH LINE - SEE SECTOR 6

MATCH LINE - SEE SECTOR 7



NOTE: FACE OF GUARDRAIL SHALL BE DIRECTLY ABOVE EDGE OF PAVEMENT.

NOTE: SEE DWG. C315 FOR PAVING SECTION DETAIL.



DRAWN	RHT
DATE	5-31-84
CHECKED	J.T.P.
DATE	5-31-84
CHECKED	P
DATE	5-21-84
CONT. NO.	560

**PORT OF TACOMA**  
**TACOMA TERMINALS, INC.**  
**PAVING & DRAINAGE PLAN**

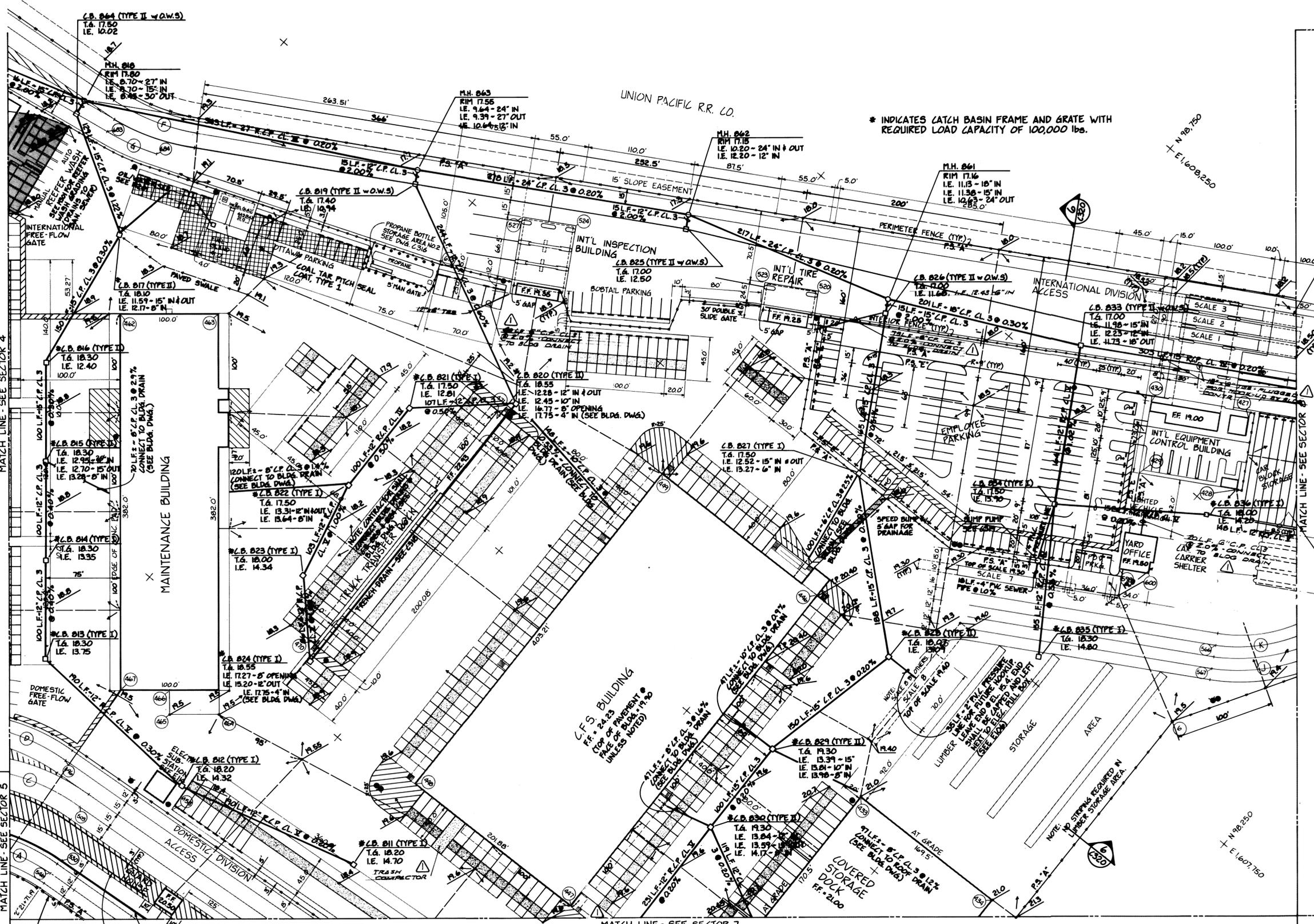
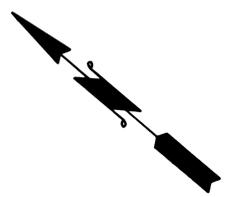
APPROVED: *[Signature]*  
 PROJECT MANAGER: *[Signature]*  
 DATE: 5/31/84  
 DATE: 5/21/84

SCALE: AS NOTED  
 DRAWING NO.: EP-3880-23-C305  
 SHEET: 25 OF 88



**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 2124 SO. K STREET P.O. BOX 5677  
 TACOMA, WASHINGTON 98405 (206) 272-3144

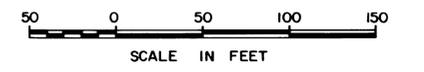
MARK	REVISION	BY	APP.	DATE
△	AS-BUILT REVISIONS	R.J.S.		11-8-84



\* INDICATES CATCH BASIN FRAME AND GRATE WITH REQUIRED LOAD CAPACITY OF 100,000 lbs.

NOTE:  
PRIOR TO CONSTRUCTING CONNECTIONS TO BUILDING DRAINAGE SYSTEMS, CONTRACTOR SHALL VERIFY LOCATION & ELEVATION OF BUILDING DRAIN STUBOUTS.  
NOTE:  
REFER TO BUILDING DRAWINGS FOR GRADE DETAILS OF SLABS, FLOORS.

10 LF ± 4" C.P. 4.3 @ 6.7%  
CONNECT TO BLDG DRAIN  
(SEE BLDG DWG.)



NOTE:  
SEE DWG. C315 FOR PAVING SECTION DETAIL.

TEMPORARY FENCE (BY OTHERS)  
TYPE 'C' PRECAST CONCRETE TRAFFIC CURB WITH 6" SKIP SPACING (TYP)

MATCH LINE - SEE SECTOR 4

MATCH LINE - SEE SECTOR 5

MATCH LINE - SEE SECTOR 7

MATCH LINE - SEE SECTOR 8

SEE C111 & C112 FOR DETAIL UNDER VIADUCT.



**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
214 30th STREET RD. BOX 567  
TACOMA, WASHINGTON 98403 (206) 272-5144

REVISION	BY	APP.	DATE
REVISOR TO AS BUILT	R.J.S.		7/4/85

DRAWN	RHT
DATE	5-31-84
CHECKED	JTP
DATE	5-31-84
CHECKED	P
DATE	5-31-84
CONT. NO.	560

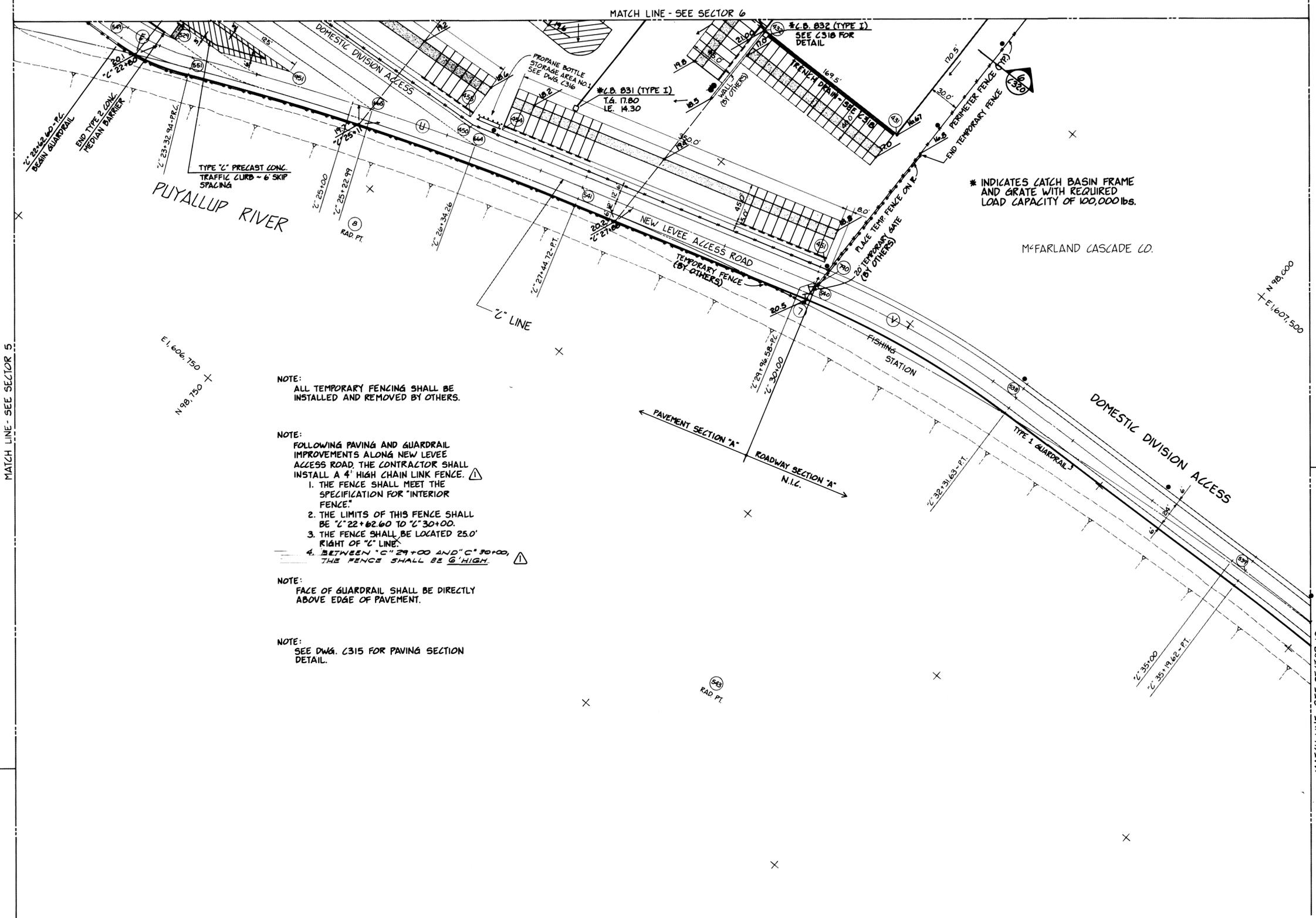
# PORT OF TACOMA

## TACOMA TERMINALS, INC.

### PAVING & DRAINAGE PLAN

APPROVED	<i>[Signature]</i>
PROJECT MANAGER	<i>[Signature]</i>
DATE	5/31/84
DATE	5/31/84

SCALE	AS NOTED
DRAWING NO.	EP-3880-23-C306
SHEET	26 OF 88



NOTE:  
ALL TEMPORARY FENCING SHALL BE INSTALLED AND REMOVED BY OTHERS.

NOTE:  
FOLLOWING PAVING AND GUARDRAIL IMPROVEMENTS ALONG NEW LEVEE ACCESS ROAD, THE CONTRACTOR SHALL INSTALL A 4' HIGH CHAIN LINK FENCE.   
 1. THE FENCE SHALL MEET THE SPECIFICATION FOR "INTERIOR FENCE."  
 2. THE LIMITS OF THIS FENCE SHALL BE "C" 22+02.60 TO "C" 30+00.  
 3. THE FENCE SHALL BE LOCATED 25.0' RIGHT OF "C" LINE.  
 4. BETWEEN "C" 29+00 AND "C" 30+00, THE FENCE SHALL BE 6' HIGH. 

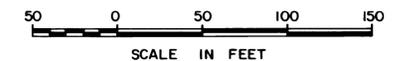
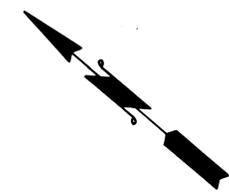
NOTE:  
FACE OF GUARDRAIL SHALL BE DIRECTLY ABOVE EDGE OF PAVEMENT.

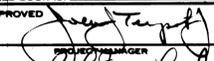
NOTE:  
SEE DWG. C315 FOR PAVING SECTION DETAIL.

\* INDICATES CATCH BASIN FRAME AND GRATE WITH REQUIRED LOAD CAPACITY OF 100,000 lbs.

MATCH LINE - SEE SECTOR 5

MATCH LINE - SEE SECTOR 10

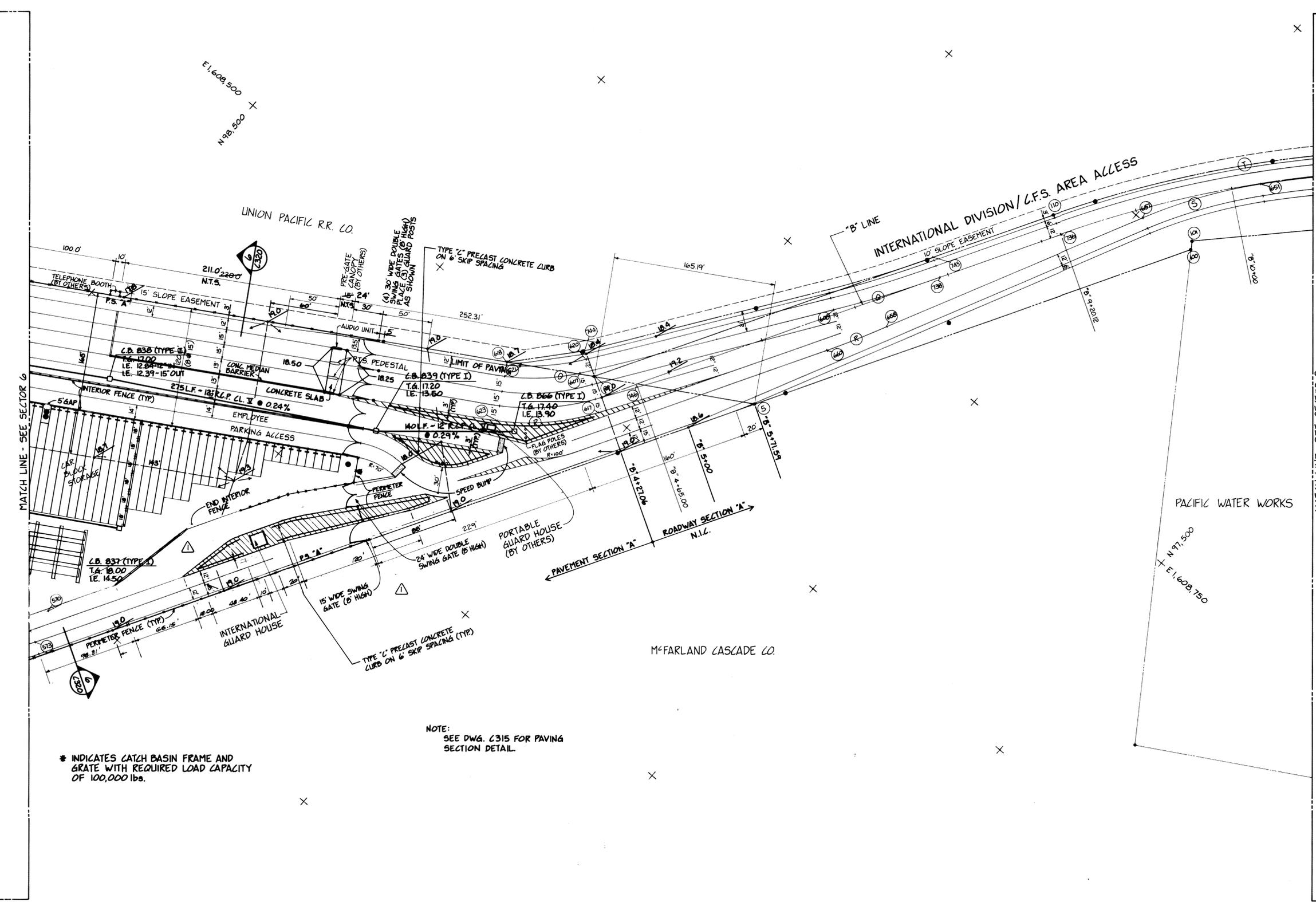
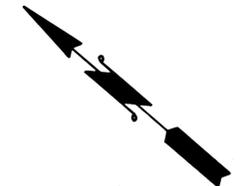


DRAWN: RHT DATE: 5-31-84 CHECKED: J.T.P. DATE: 5-31-84 CHECKED: P DATE: 5-31-84 CONT. NO.: 560	<b>PORT OF TACOMA</b> <b>TACOMA TERMINALS, INC.</b> <b>PAVING &amp; DRAINAGE PLAN</b>	SCALE: AS NOTED DRAWING NO.: EP-3880-23-C307 SHEET: 27 OF 88
FIELD BOOK (S): APPROVED:  5/31/84 PROJECT MANAGER:  5/31/84 DATE: 5/31/84 DATE:	REVISION: REVISED TO AS-BUILT BY: R.J.S. APP. DATE: 1/4/85	SCALE: AS NOTED



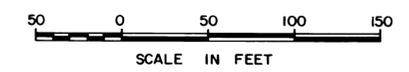
**Whitacre Engineers, Inc.**  
 Consulting Engineering & Land Planning  
 214 SO. W STREET P.O. BOX 5677  
 TACOMA, WASHINGTON 98402 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
△	REVISED TO AS-BUILT	R.J.S.		1/4/85



\* INDICATES CATCH BASIN FRAME AND GRATE WITH REQUIRED LOAD CAPACITY OF 100,000 lbs.

NOTE:  
SEE DWG. C315 FOR PAVING SECTION DETAIL.



DRAWN	RHT
DATE	5-31-84
CHECKED	J.T.P.
DATE	5-30-84
CHECKED	P
DATE	5-31-84
CONT. NO.	560

**PORT OF TACOMA**  
TACOMA TERMINALS, INC.  
PAVING & DRAINAGE PLAN

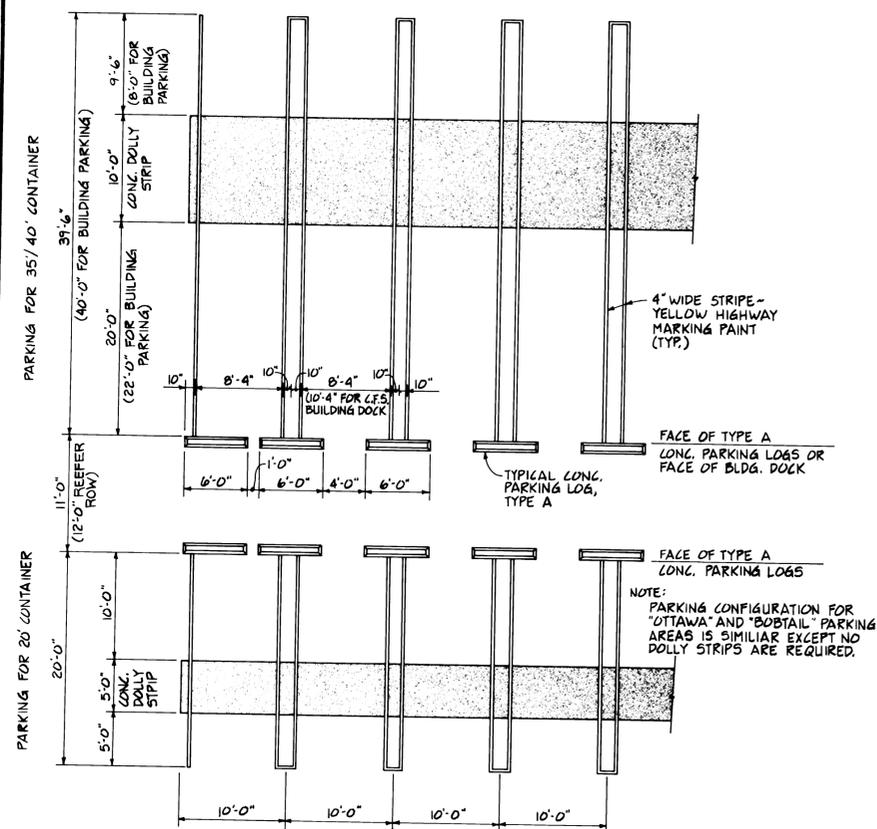
FIELD BOOK (S)	
APPROVED	<i>[Signature]</i> 5/31/84
PROJECT MANAGER	<i>[Signature]</i> 5/31/84
DATE	5/31/84
DATE	5/31/84

SCALE	AS NOTED
DRAWING NO.	EP-3880-23-C308
SHEET	28 OF 88

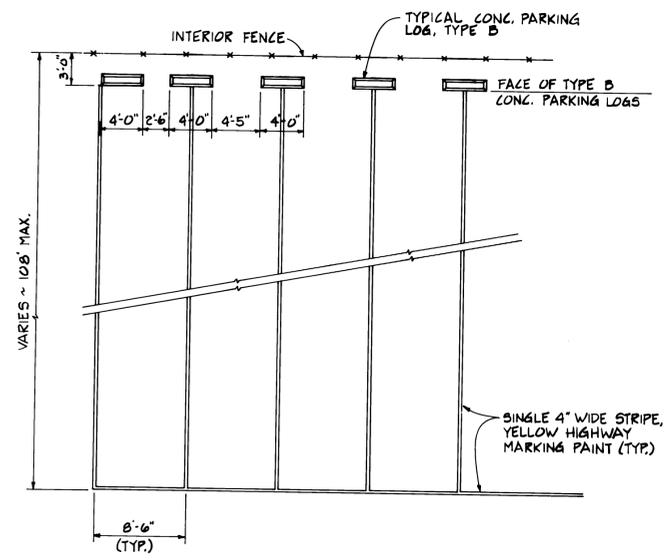


**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 SO. 'K' STREET P.O. BOX 5877  
TACOMA, WASHINGTON 98405 (206) 272-5144

MARK	REVISION	BY	APP.	DATE
	REVISED TO AS BUILT	A.J.S.		11-13-85

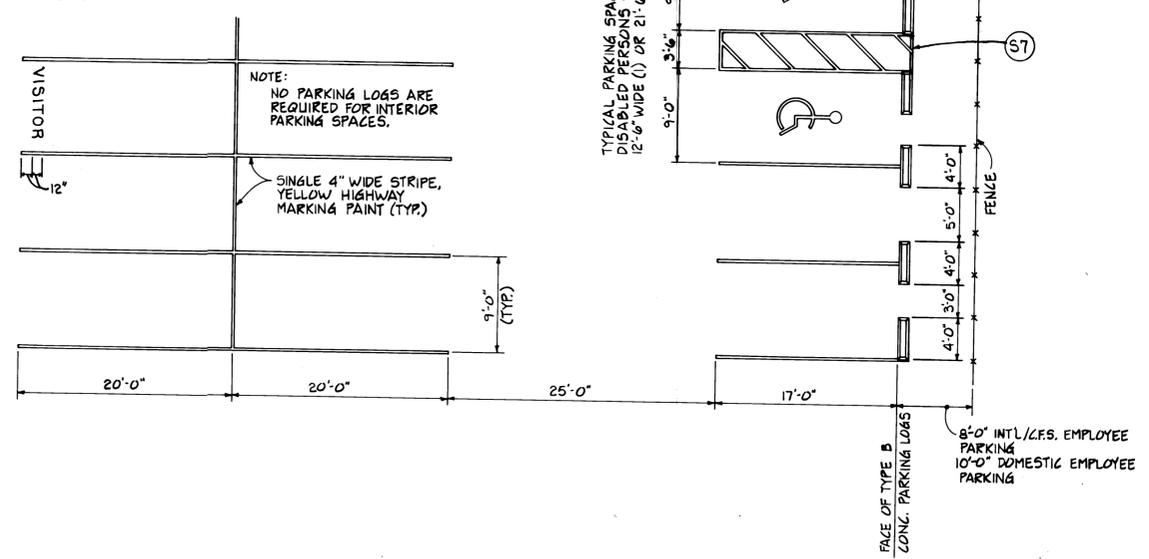


TYPICAL LAYOUT FOR CONTAINER PARKING  
1/8" = 1'-0" (1) C314

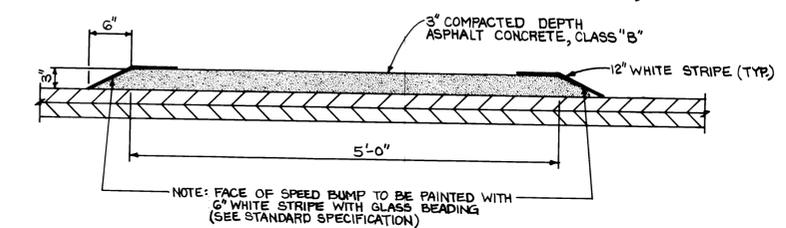


TYPICAL LAYOUT FOR CAR BLOCK STORAGE PARKING  
1/8" = 1'-0" (2) C306, C308, C314

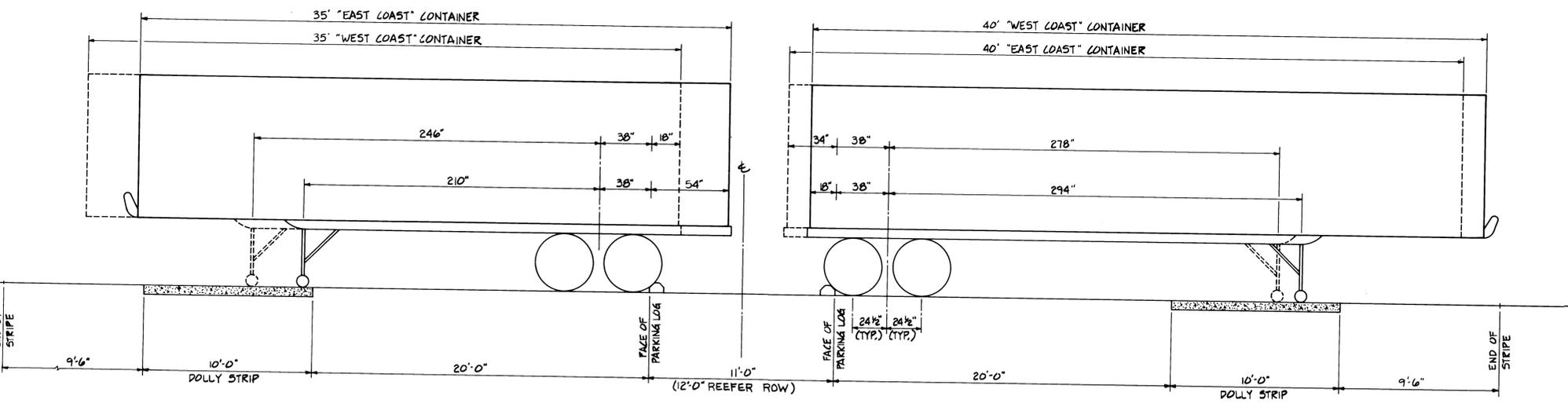
NOTE: WHERE INDICATED, VISITOR PARKING SHALL BE DELINEATED WITH WORDS "VISITOR" IN 12" YELLOW LETTERS IN EACH SPACE.



TYPICAL LAYOUT FOR EMPLOYEE PARKING  
1/8" = 1'-0" (3) C304, C305, C306, C314



TYPICAL SPEED BUMP  
1" = 1'-0" (5) C111, C112, C113, C306, C307, C308, C314



TYPICAL CONTAINER PARKING CONTROL DIMENSIONS  
1/4" = 1'-0" (4) C301, C302, C303, C304, C314

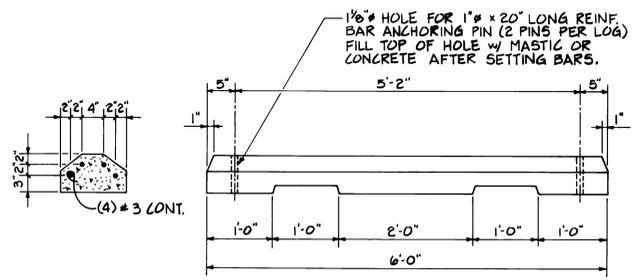
DRAWN RHT	PORT OF TACOMA	
DATE 3-8-84	TACOMA TERMINALS, INC.	
CHECKED J.T.P.	PAVING DETAILS	
DATE 5-30-84		
CHECKED P		
DATE 5-30-84		
CONT. NO. 560		
FIELD BOOK (S)	SCALE AS NOTED	DRAWING NO.
APPROVED [Signature]	5/31/84	EP-3880-23-C314
PROJECT MANAGER [Signature]	DATE	SHEET 29 OF 88
DATE 5/31/84		
CHIEF ENGINEER [Signature]		



Whitacre Engineers, Inc.  
Consulting Engineering & Land Planning  
2124 SO. K STREET P.O. BOX 5877  
TACOMA, WASHINGTON 98405 (206) 272-5144

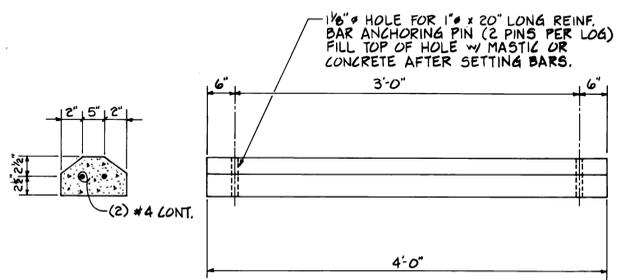
NO AS-BUILT CHANGES	BY	APP.	DATE
			11/13/88
MARK	REVISION	BY	APP.





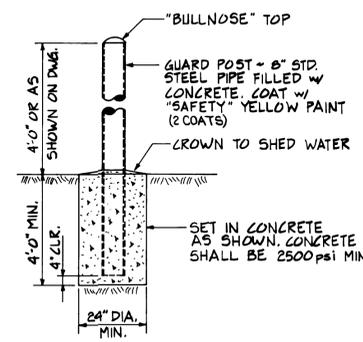
TYPICAL TYPE "A" CONCRETE PARKING LOG DETAIL

N.T.S.



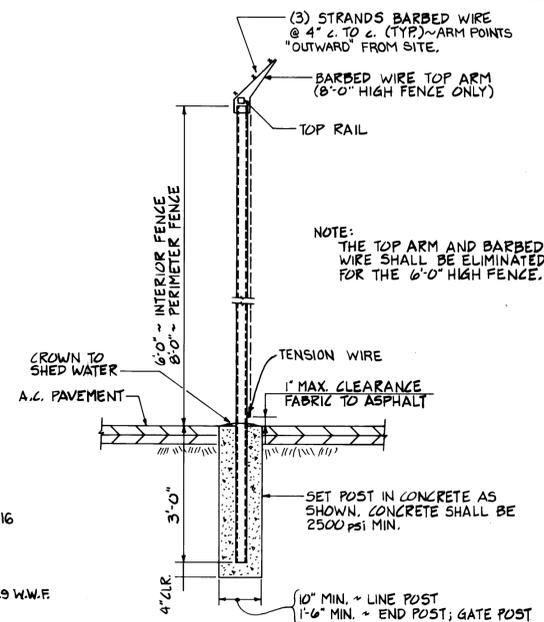
TYPICAL TYPE "B" CONCRETE PARKING LOG DETAIL

N.T.S.



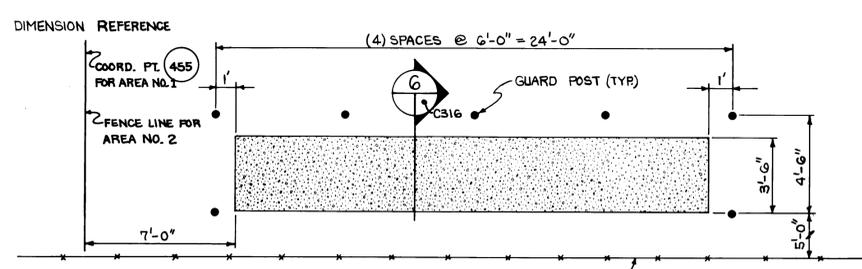
TYPICAL GUARD POST DETAIL

N.T.S.



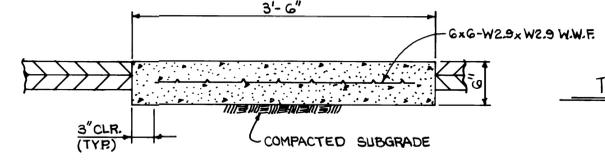
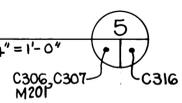
TYPICAL FENCE INSTALLATION

N.T.S.



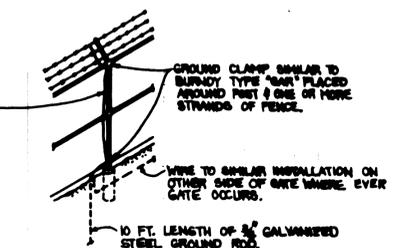
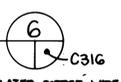
PLAN ~ PROPANE BOTTLE STORAGE

1/4" = 1'-0"



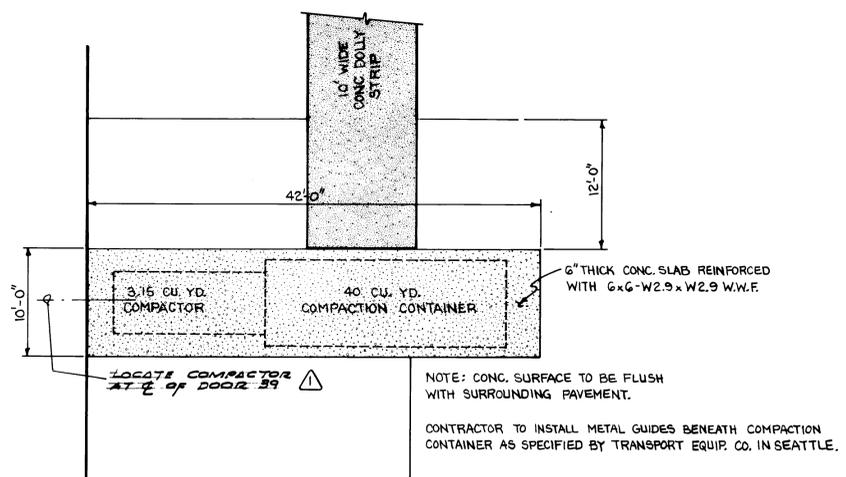
SECTION

1" = 1'-0"



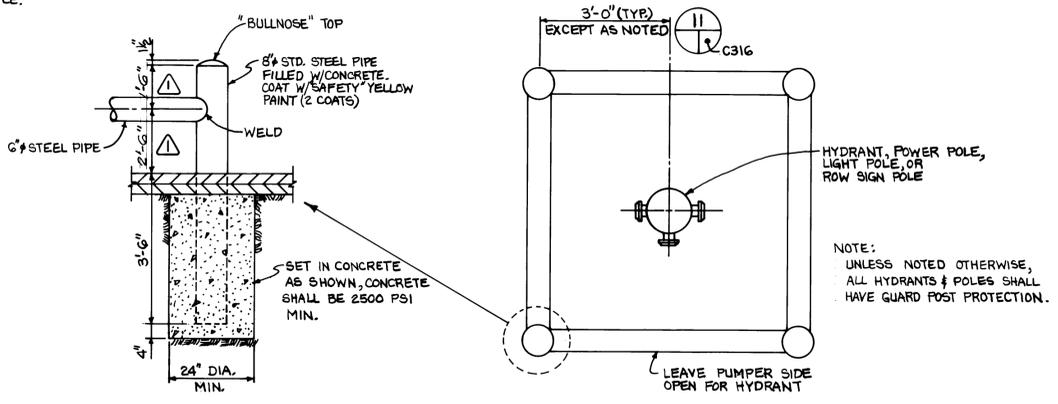
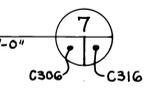
FENCE GROUNDING DETAIL

N.T.S.



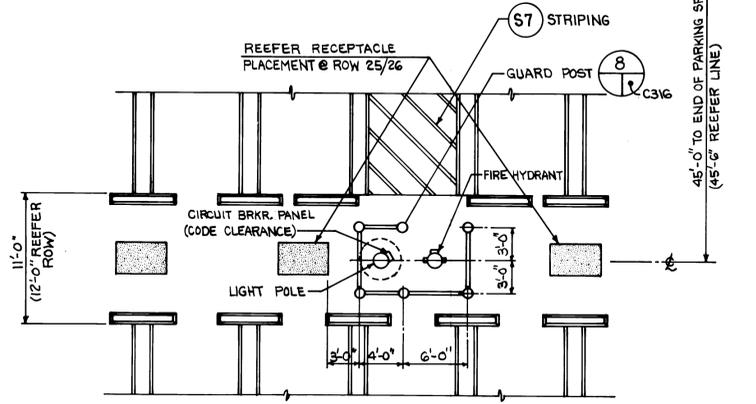
TRASH COMPACTOR PAD

1/8" = 1'-0"



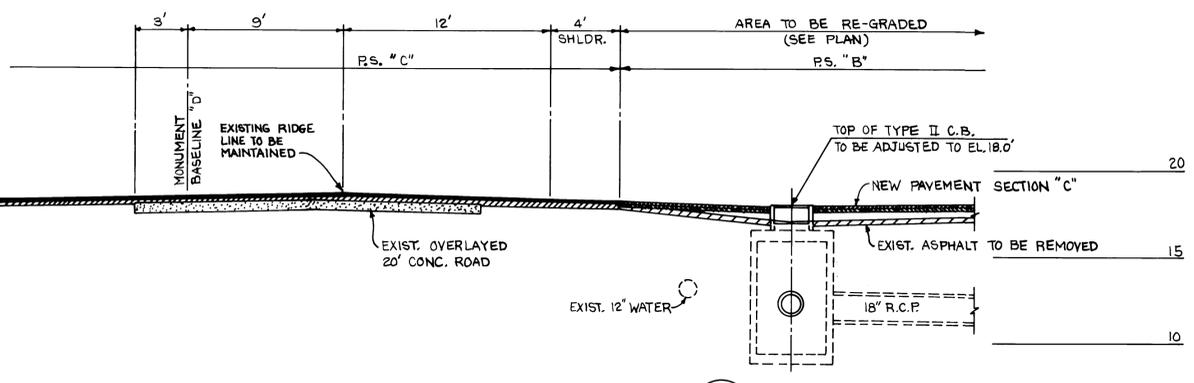
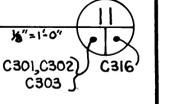
TYP. FIRE HYDRANT/POWER POLE/LIGHT POLE/ROW SIGN POLE/GUARD POSTS

1/2" = 1'-0"



TYP. FIRE HYDRANT/LIGHT POLE PLACEMENT IN MARINE YARD

1/8" = 1'-0"



SECTION

1" = 5'



**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 SO. 'K' STREET P.O. BOX 5477  
TACOMA, WASHINGTON 98405 (206) 272-5144

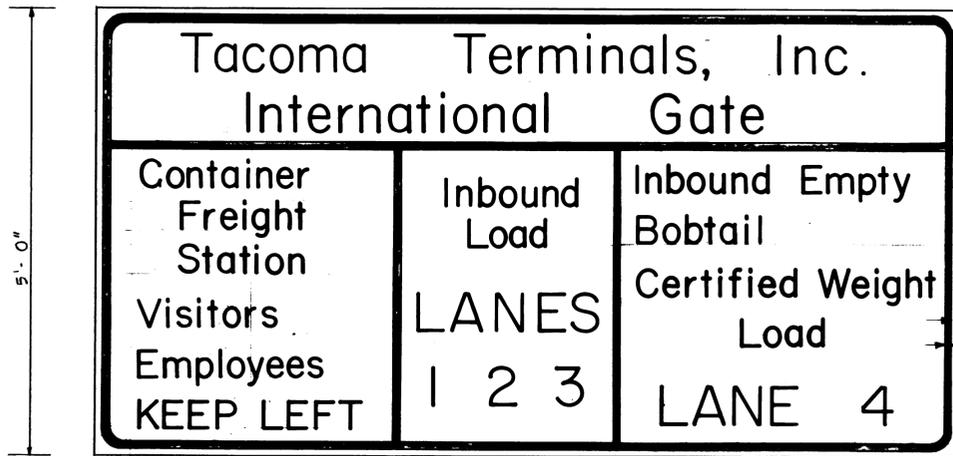


MARK	REVISION	BY	APP.	DATE
▲	REVISED TO AS BUILT	A.J.S.		11/15/04

DRAWN	RHT
DATE	3-8-04
CHECKED	J.T.P.
DATE	5-20-04
CHECKED	P
DATE	5-20-04
CONT. NO.	560

**PORT OF TACOMA**  
TACOMA TERMINALS, INC.  
PAVING DETAILS

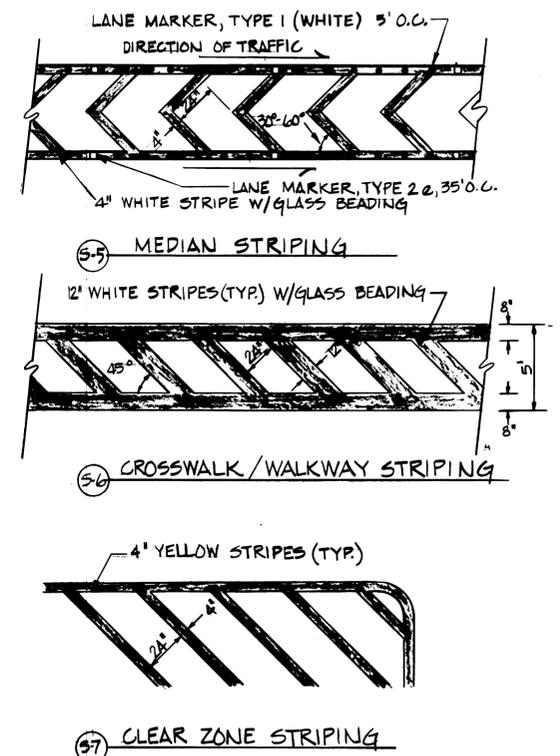
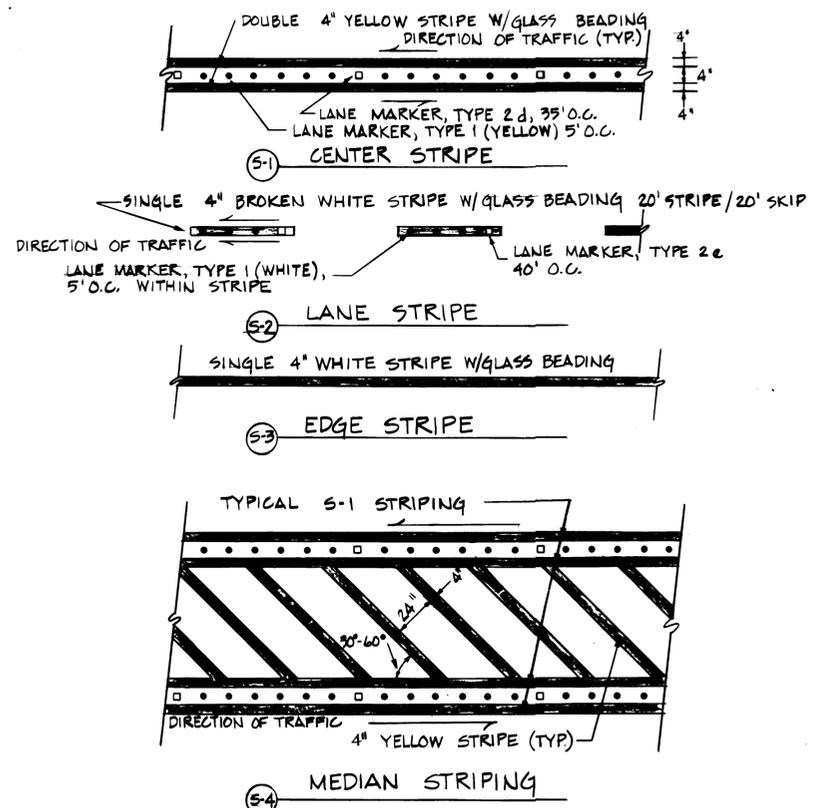
FIELD BOOK (S)		SCALE	AS NOTED
APPROVED	<i>John A. Petre</i>	DATE	5/3/04
PROJECT MANAGER	<i>John A. Petre</i>	DATE	5/3/04
CHIEF ENGINEER	<i>John A. Petre</i>	DATE	5/3/04
DRAWING NO.	EP-3880-23-C316	SHEET	31 OF 88



LARGE LETTERS  
6" (UPPER CASE) 4 1/2" (LOWER CASE)  
SMALL LETTERS  
4" (UPPER CASE) 3" (LOWER CASE)

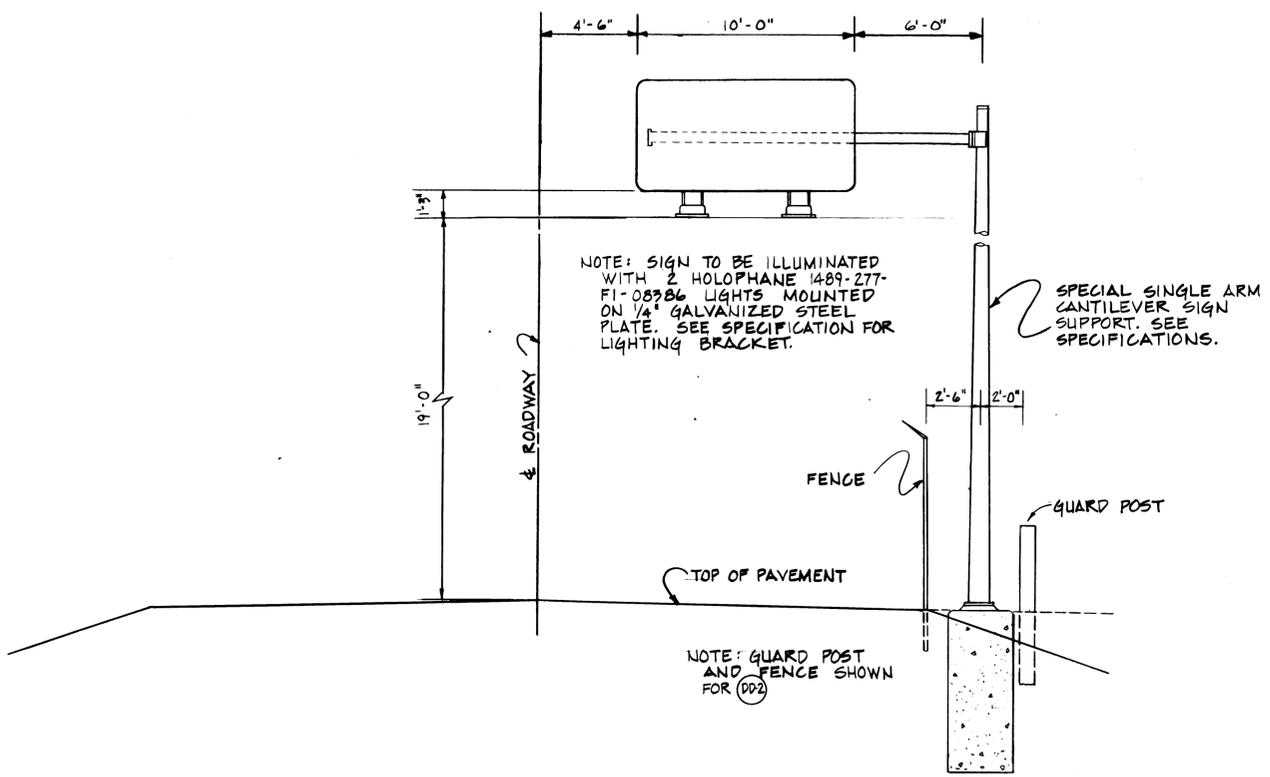
NOTE: SIGN DD-2 IS SIMILAR TO ID-2 EXCEPT AS NOTED BELOW:  
1. "INTERNATIONAL GATE" SHALL READ "DOMESTIC GATE"  
2. "CONTAINER FREIGHT STATION" SHALL READ "LEVEE ACCESS ROAD"  
3. "VISITORS" SHALL BE ELIMINATED.  
NOTE: SEE W.S.D.O.T. STANDARD PLAN G-5 FOR DETAILS OF EXTRUDED ALUMINUM PANEL SIGNS.

SIGN ID-2 (AS SHOWN) - 1 REQ'D.  
SIGN DD-2 (AS NOTED ABOVE) - 1 REQ'D. N.T.S. C107 C108 C317



NOTE: SITE CONTRACTOR IS RESPONSIBLE FOR PAVEMENT STRIPING UNDER EQUIPMENT CONTROL, TIRE REPAIR, INSPECTION, AND PRE-GATE BUILDINGS.

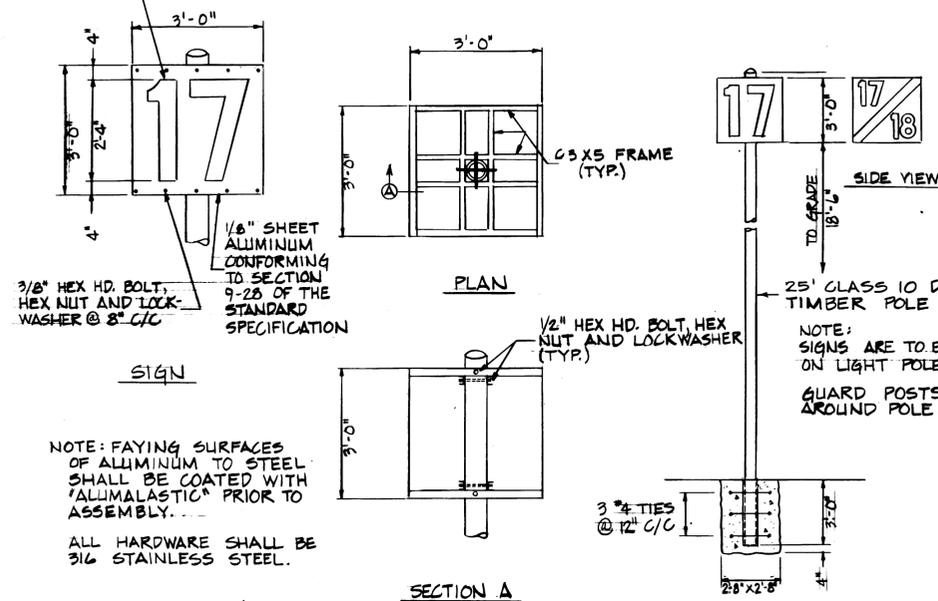
TYPICAL STRIPING DETAILS N.T.S. C317



NOTE: SIGN TO BE ILLUMINATED WITH 2 HOLOPHANE 1489-277-F1-08386 LIGHTS MOUNTED ON 1/4" GALVANIZED STEEL PLATE. SEE SPECIFICATION FOR LIGHTING BRACKET.  
SPECIAL SINGLE ARM CANTILEVER SIGN SUPPORT. SEE SPECIFICATIONS.

NOTE: GUARD POST AND FENCE SHOWN FOR DD2

COLORS SHALL BE BLACK ON WHITE



NOTE: FACING SURFACES OF ALUMINUM TO STEEL SHALL BE COATED WITH "ALLUMALASTIC" PRIOR TO ASSEMBLY.  
ALL HARDWARE SHALL BE 316 STAINLESS STEEL.

TYPICAL ROW SIGN POLE INSTALLATION N.T.S. C101 C102 C103 C104 C317

TYPICAL OVERHEAD SIGN MOUNTING (ID-2 & DD-2) 1/4" = 1'-0" C107 C108 C317



Whitacre Engineers, Inc.  
Consulting Engineering & Land Planning  
2124 SO. 'K' STREET P.O. BOX 5477  
TACOMA, WASHINGTON 98405 (206) 272-5144



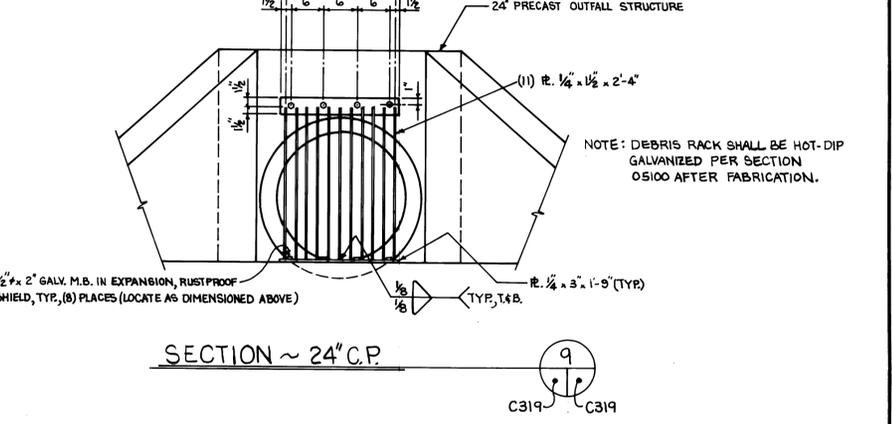
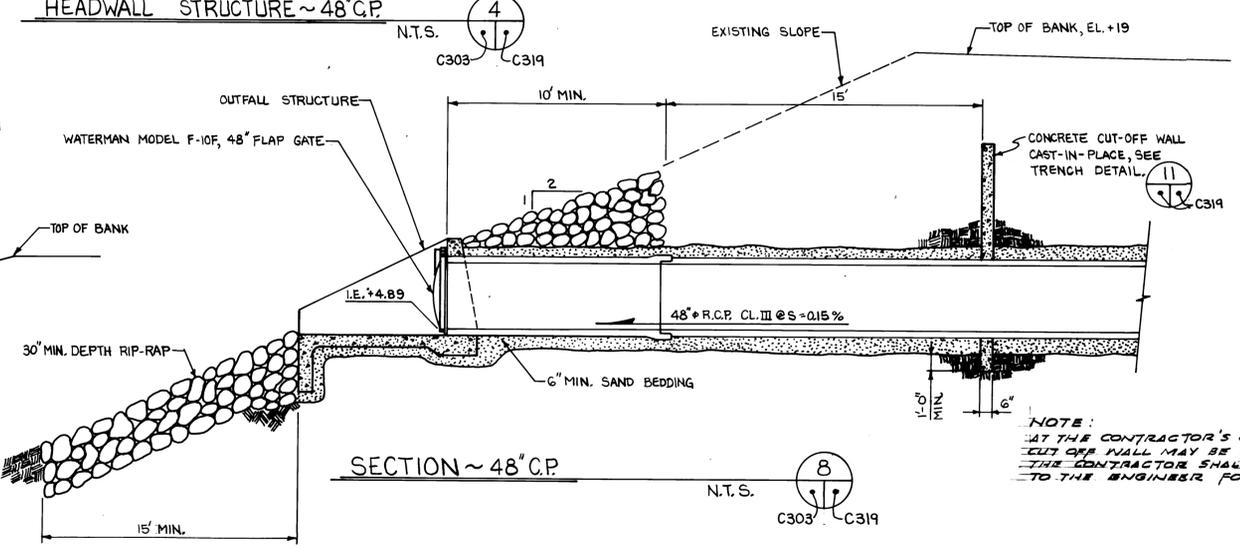
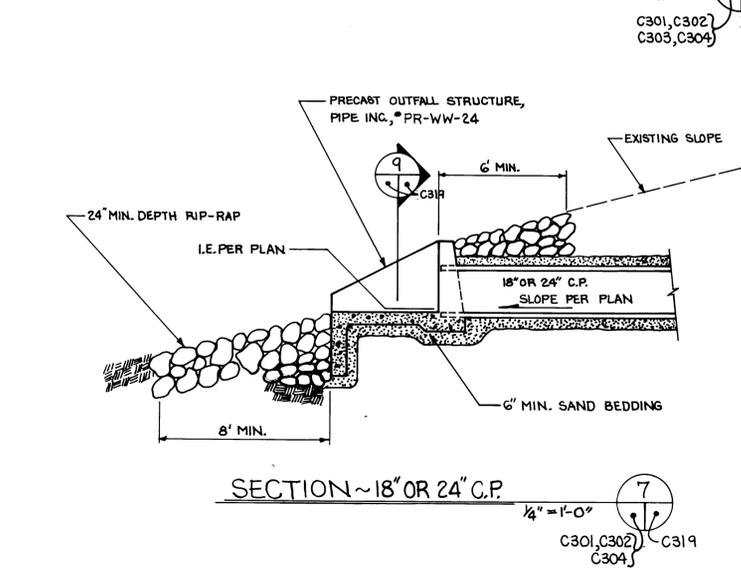
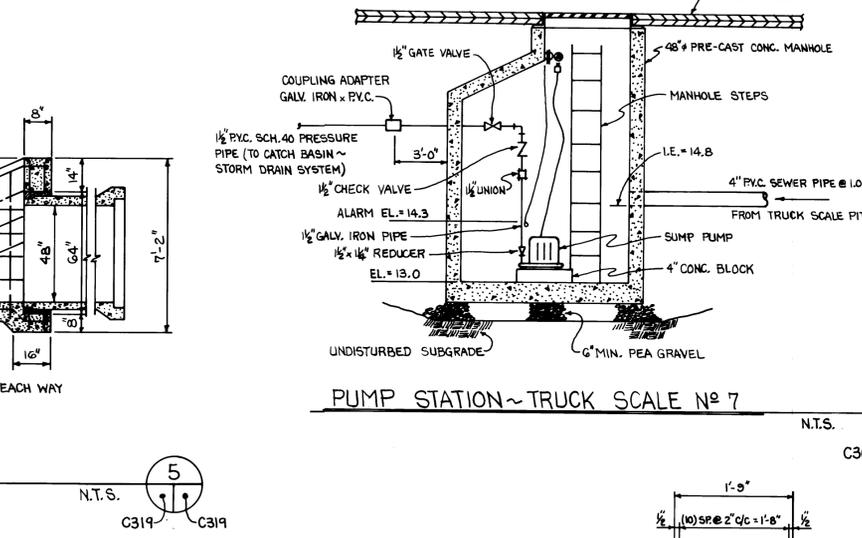
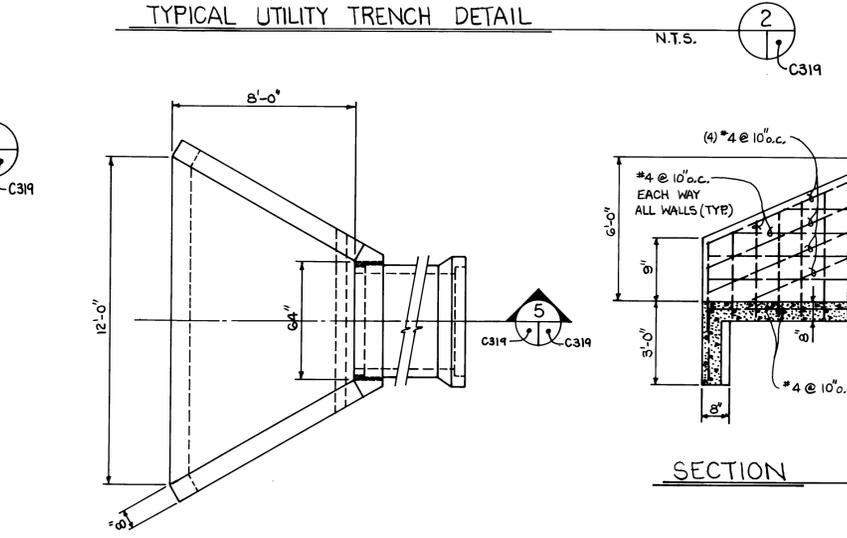
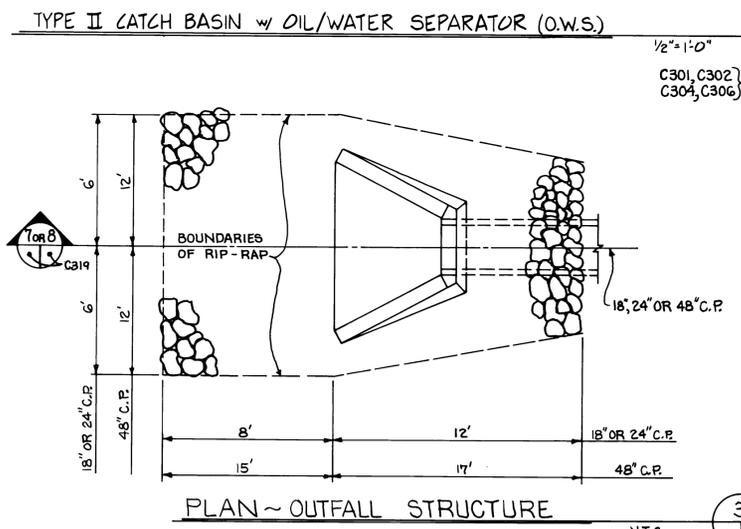
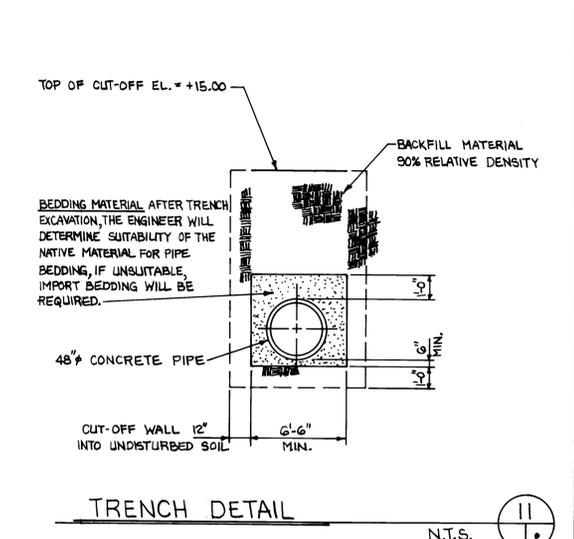
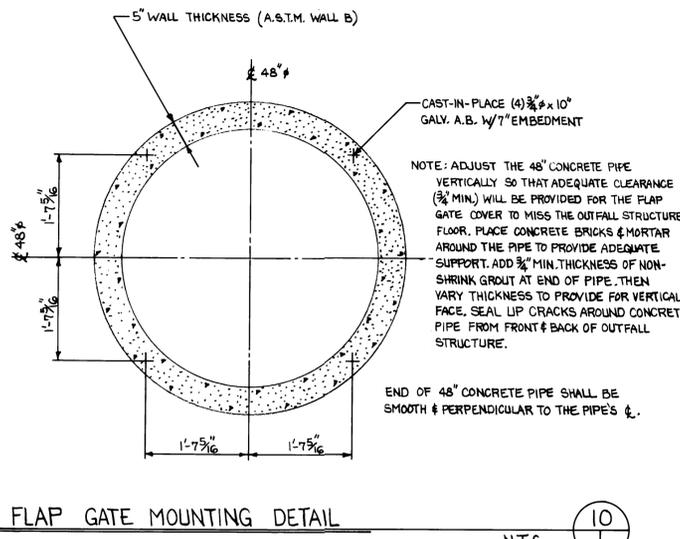
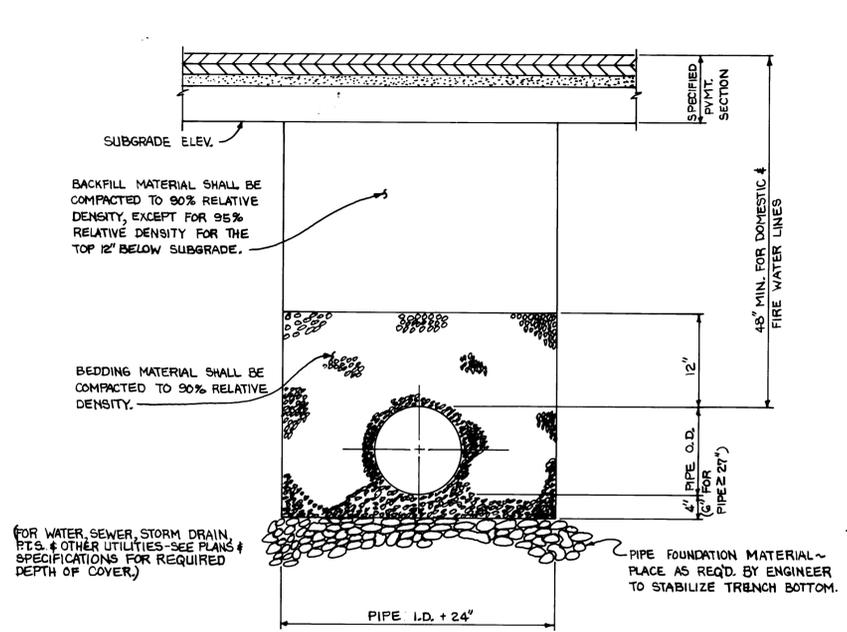
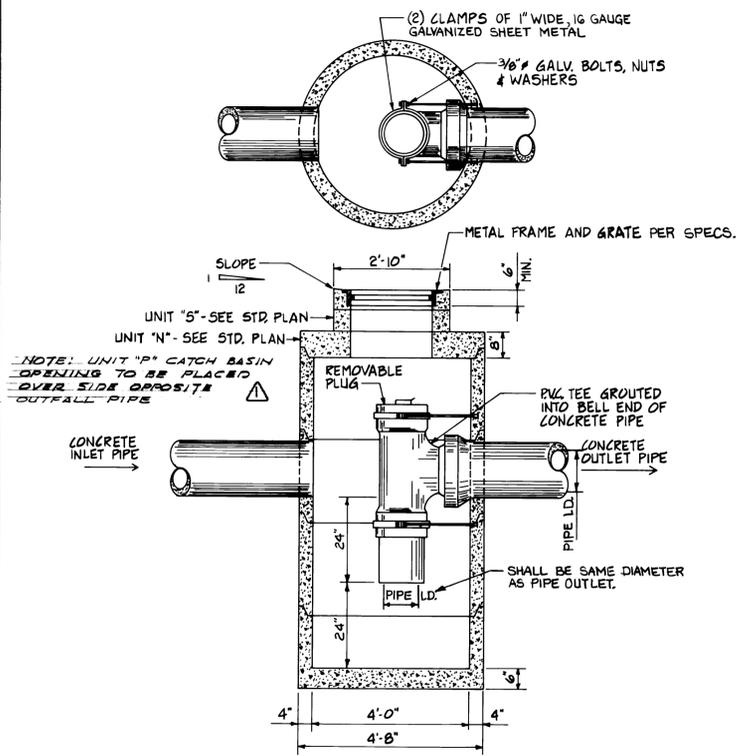
MARK	REVISION	BY	APP.	DATE
	NO AS-BUILT REVISIONS	R.J.S.		

DRAWN	560
DATE	MAY 1, 1984
CHECKED	J.T.P.
DATE	6-30-84
CHECKED	J
DATE	5-30-84
CONT. NO.	560

PORT OF TACOMA  
TACOMA TERMINALS, INC.  
SIGNAGE DETAILS

APPROVED	<i>[Signature]</i>	5/31/84	SCALE	AS NOTED
PROJECT MANAGER	<i>[Signature]</i>	DATE		DRAWING NO.
CHIEF ENGINEER	<i>[Signature]</i>	DATE		EP-3880-23-C317
				SHEET 32 OF 88





NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FOUNDATION FOR OUTFALL STRUCTURES, SUCH THAT IT REMAINS PLUMB WITHOUT SETTLEMENT OCCURRING.

NOTE: AT THE CONTRACTOR'S OPTION, THE CONCRETE CUT OFF WALL MAY BE PRECAST & SET IN PLACE. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.

DRAWN <b>B.C.</b>		<b>PORT OF TACOMA</b>	
DATE: _____		<b>TACOMA TERMINALS, INC.</b>	
CHECKED <b>J.P.</b>	DATE: <b>5/30/84</b>	<b>DRAINAGE DETAILS</b>	
CHECKED <b>P</b>	DATE: <b>5/30/84</b>	SCALE: <b>AS NOTED</b>	
CHECKED <b>P</b>	DATE: <b>5/30/84</b>	DRAWING NO. <b>EP-3880-23-C319</b>	
CONT. NO. <b>560</b>	DATE: _____	SHEET <b>34</b> OF <b>88</b>	
FIELD BOOK (S): _____		SCALE: <b>AS NOTED</b>	
APPROVED: <b>[Signature]</b>		DATE: <b>5/31/84</b>	
PROJECT MANAGER: <b>[Signature]</b>		DATE: <b>5/31/84</b>	
CHIEF ENGINEER: <b>[Signature]</b>		DATE: _____	



**Whitacre Engineers, Inc.**  
Consulting Engineering & Land Planning  
2124 80th Street P.O. Box 5477  
Tacoma, Washington 98405 (206) 272-5144

REVISION	BY	APP.	DATE
1. REVISED TO AS BUILT	R.J.S.		1/15/84