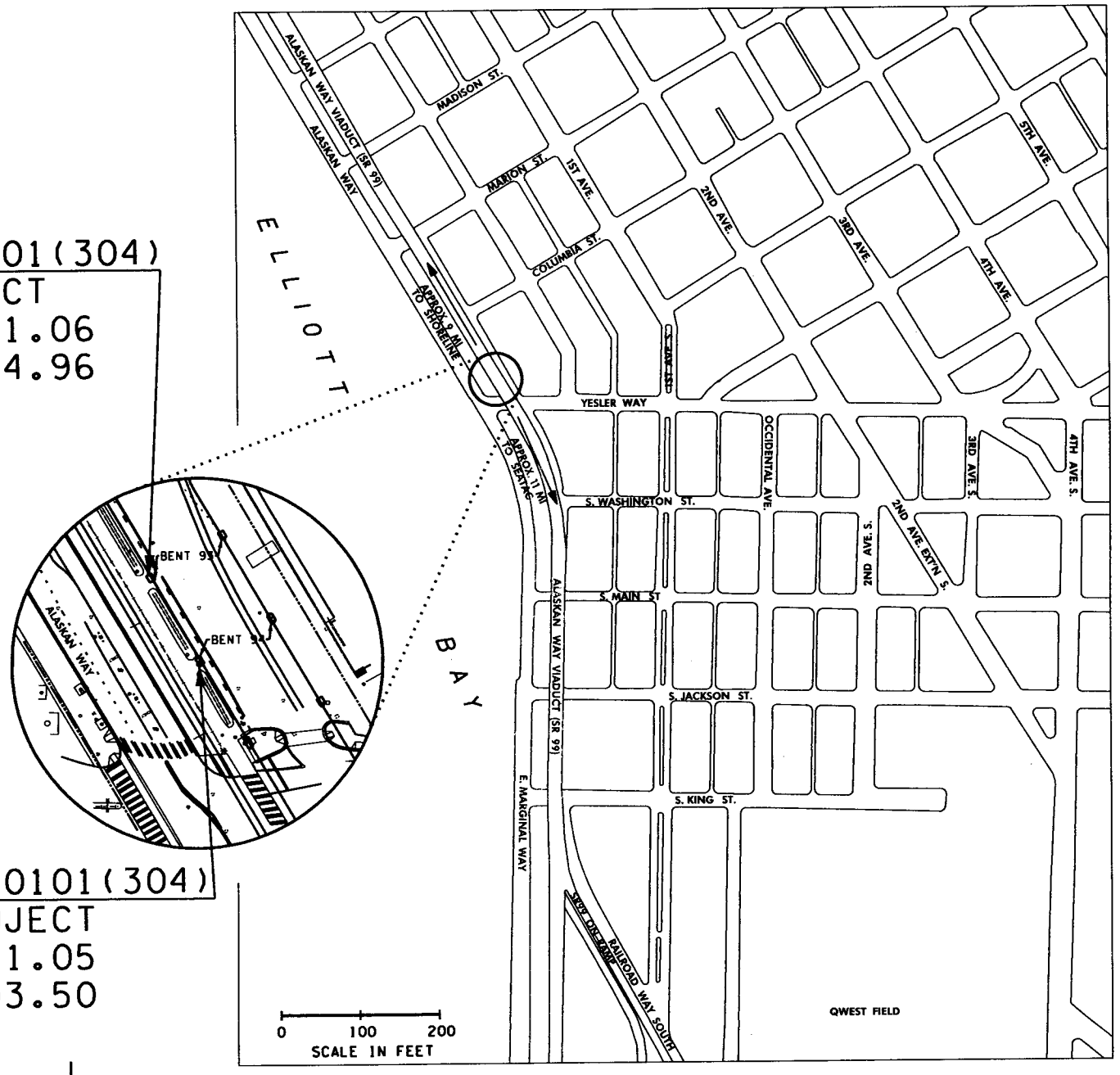
INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	INVM1	INDEX AND VICINITY MAP
2-3	SO1-SO2	SUMMARY OF QUANTITIES
4	TCEE1	TEMPORARY CONSTRUCTION EASEMENT EXHIBIT
5-6	SP1-SP2	SITE PREPARATION
7	UT1	EXISTING UTILITIES
8	UT2	WATER MAIN THRUST COLLAR
9-11	EM1-EM3	ENVIRONMENTAL COMPLIANCE NOTES
12	EM4	ENVIRONMENTAL COMPLIANCE DETAIL
13	EC1	TESC PLAN
14	UT3	STORM DRAIN RELOCATION
15	DD1	DRAINAGE DETAILS
16	LSMK1	LANDSCAPE/PAVEMENT MARKINGS
17	PV1	PAVING PLAN
18	BRIDGE SHEET 1	LAYOUT - PLAN
19	BRIDGE SHEET 2	ELEVATION
20	BRIDGE SHEET 3	PILE LAYOUT - BENTS 93 & 94
21	BRIDGE SHEET 4	PLAN TEMPORARY SUPPORT SYSTEM
22	BRIDGE SHEET 5	STAGE 1 PILES BENTS 93 & 94
23-26	BRIDGE SHEETS 6-9	TEMPORARY SUPPORT SYSTEM SECTIONS AND DETAILS
27	BRIDGE SHEET 10	REMOVAL DETAILS - BENT 93
28	BRIDGE SHEET 11	BENT 93 DOWEL PLACEMENT PLAN
29-31	BRIDGE SHEETS 12-14	BENT 93 FOOTING DETAILS
32	BRIDGE SHEET 15	REMOVAL DETAILS - BENT 94
33	BRIDGE SHEET 16	BENT 94 DOWEL PLACEMENT PLAN
34-36	BRIDGE SHEETS 17-19	BENT 94 FOOTING DETAILS
37	BRIDGE SHEET 20	BEAM REPAIRS
38	BRIDGE SHEET 21	BARLIST
39-40	TC1-TC2	TRAFFIC CONTROL PLAN

T.24N. R.4E. W.M.
City of Seattle

END ER-0101(304)
END PROJECT
SR99 MP 31.06
STA. 83+24.96

BEGIN ER-0101(304)
BEGIN PROJECT
SR99 MP 31.05
STA. 83+93.50



PLAN REFERENCE NO.
SHEET OF SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03626\L3082_PS_INVM.dgn
TIME	1:49:30 PM
DATE	7/30/2007
PLOTTED BY	gonzaly
DESIGNED BY	R. A. BEAN
ENTERED BY	Y. GONZALEZ
CHECKED BY	R. A. BEAN
PROJ. ENGR.	P. LACY
REGIONAL ADM.	D. DYE

REVISION	DATE	BY

REGION NO.	STATE
10	WASH

JOB NUMBER 07A805
CONTRACT NO.

FED.AID PROJ.NO. ER-0101(304)
LOCATION NO.

P.E. STAMP BOX — DATE
P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

INDEX AND VICINITY MAP

INVM1

SHEET 1 OF 40 SHEETS

SUMMARY OF QUANTITIES

DOT_RGG900

8/15/2007

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 BENTS	GROUP 2 THIRD PARTY DAMAGE
						PREPARATION		
1	LUMP SUM	LUMP SUM		0001	L.S.	MOBILIZATION	L.S.	
2	LUMP SUM	LUMP SUM		0035	L.S.	CLEARING AND GRUBBING	L.S.	
3	LUMP SUM	LUMP SUM		0050	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	
4	LUMP SUM	LUMP SUM		0061	L.S.	REMOVING PORTION OF EXISTING BRIDGE NO. 99/540	L.S.	
5	387.00	387.00			C.Y.	CONTAMINATED MATERIAL EXCAVATION INCL. HAUL	387.00	
6	645.00	645.00			TON	DISPOSAL OF CONTAMINATED MATERIAL	645.00	
						GRADING		
7	LUMP SUM	LUMP SUM			L.S.	WATERFRONT PEDESTRIAN/BICYCLE FACILITY	L.S.	
8	540.00	540.00		0431	TON	GRAVEL BORROW INCL. HAUL	540.00	
9	290.00	290.00		0470	C.Y.	EMBANKMENT COMPACTION	290.00	
						DRAINAGE		
10	200.00	200.00		1170	L.F.	DRAIN PIPE 6 IN. DIAM.	200.00	
						WATER LINES		
11	LUMP SUM	LUMP SUM			L.S.	WATER MAIN CONC. THRUST COLLAR AND MECH. JT. RESTRAINTS	L.S.	
						STRUCTURE		
12	LUMP SUM	LUMP SUM		4013	L.S.	SHORING OR EXTRA EXCAVATION CL. A -PIERS 93 & 94	L.S.	
13	88.00	88.00			EACH	MICROPILE	88.00	
14	2.00	2.00			EACH	MICROPILE VERIFICATION LOAD TESTING	2.00	
15	8.00	8.00			EACH	MICROPILE PROOF LOAD TESTING	8.00	
16	43900.00	43900.00		4149	LB.	ST. REINF. BAR FOR BRIDGE	43,900.00	
17	266.00	266.00		4322	C.Y.	CONC. CLASS 4000 FOR BRIDGE	266.00	
18	-1.00	-1.00		4219	DOL	DEFICIENT STRENGTH CONC. PRICE ADJUSTMENT	-1.00	
19	LUMP SUM	LUMP SUM			L.S.	FURNISHING, INSTALLING, & REMOVING TEMP. SUPPORT SYS.	L.S.	
						SURFACING		
20	44.00	44.00		5100	TON	CRUSHED SURFACING BASE COURSE	44.00	
						HOT MIX ASPHALT		
21	130.00	130.00		5739	TON	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 64-22	130.00	
						IRRIGATION AND WATER DISTRIBUTION		
22	LUMP SUM	LUMP SUM		6071	L.S.	IRRIGATION SYSTEM	L.S.	
						EROSION CONTROL AND PLANTING		
23	4.00	4.00		6400	C.Y.	TOPSOIL TYPE C	4.00	
24	45.00	45.00		6403	DAY	ESC LEAD	45.00	
25	90.00	90.00		6470	HOUR	STREET CLEANING	90.00	
26	2.00	2.00		6471	EACH	INLET PROTECTION	2.00	
27	450.00	450.00		6472	L.F.	TEMPORARY CURB	450.00	
28	125000.00	125000.00		6490	DOL	EROSION/WATER POLLUTION CONTROL	125,000.00	
29	8.00	8.00		6552	EACH	PSIPE SHRUBBERY JAPANESE HOLLY 2 GALLON	8.00	
30	15.00	15.00		6552	EACH	PSIPE SHRUBBERY DAYLILIES 1 GALLON	15.00	
31	15.00	15.00		6552	EACH	PSIPE SHRUBBERY JOHNSWORT 1 GALLON	15.00	

GROUP LEGEND :

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	099	179101	*	FEDERAL,TPA
2	099	179101	*	STATE

DATE	REVISION	BY
08/14/07	REVISED BID ITEMS 6, 10, 28, 34, 48. ADDED 52, 53.	SS

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	ER-0101(304)

JOB NUMBER 07A805/8

CONTRACT NO 007402

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

SUMMARY OF QUANTITIES

SQ1

SHEET 2 OF 40 SHEETS

SUMMARY OF QUANTITIES

DOT_RGG900

8/15/2007

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION 1-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION 1-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 BENTS	GROUP 2 THIRD PARTY DAMAGE
32	2.00	2.00		6580	C.Y.	BARK OR WOOD CHIP MULCH	2.00	
						TRAFFIC		
33	132.00	132.00		6707	L.F.	CEMENT CONC. PEDESTRIAN CURB	132.00	
34	800.00	800.00		6806	L.F.	PAINT LINE	800.00	
35	LUMP SUM	LUMP SUM		6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	
						OTHER ITEMS		
36	721.00	721.00		7008	S.F.	SHORING OR EXTRA EXCAVATION CLASS B	721.00	
37	22.00	22.00		7013	C.Y.	GRAVEL BACKFILL FOR PIPE BEDDING	22.00	
38	5.00	5.00		9605	EACH	CONNECTION TO DRAINAGE STRUCTURE	5.00	
39	LUMP SUM	LUMP SUM		7350	L.S.	CLEANING EXISTING DRAINAGE STRUCTURE	L.S.	
40	10000.00	10000.00		7480	DOL	ROADSIDE CLEANUP	10,000.00	
41	50000.00	50000.00		7715	DOL	FORCE ACCOUNT BEAM REPAIR	50,000.00	
42	25000.00	25000.00		7715	DOL	FORCE ACCOUNT EPOXY CRACK SEALING	25,000.00	
43	77400.00	77400.00			DOL	ARCHAEOLOGICAL AND HISTORICAL SALVAGE	77,400.00	
44	5.00	5.00		7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE		5.00
45	-1.00	-1.00		7728	DOL	MINOR CHANGE	-1.00	
46	LUMP SUM	LUMP SUM		7736	L.S.	SPCC PLAN	L.S.	
47	LUMP SUM	LUMP SUM			L.S.	DEWATERING SYSTEM	L.S.	
48	3.00	3.00			MO.	MAINTENANCE AND OPERATION OF DEWATERING SYSTEM	3.00	
49	830.00	830.00			L.F.	TEMPORARY CONSTRUCTION FENCE	830.00	
50	LUMP SUM	LUMP SUM			L.S.	CONSTRUCTION SHIELD	L.S.	
51	LUMP SUM	LUMP SUM			L.S.	VIBRATION MONITORING	L.S.	
52	130.00	130.00		1171	L.F.	DRAIN PIPE 8 IN. DIAM.	130.00	
53	2.00	2.00			EACH	JUNCTION BOX FOR DRAINS	2.00	

GROUP LEGEND :

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	099	179101	*	FEDERAL,TPA
2	099	179101	*	STATE

DATE	REVISION	BY
08/14/07	REVISED BID ITEMS 6, 10, 28, 34, 48. ADDED 52, 53	SS

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	ER-0101(304)

JOB NUMBER 07A805/8

CONTRACT NO 007402

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

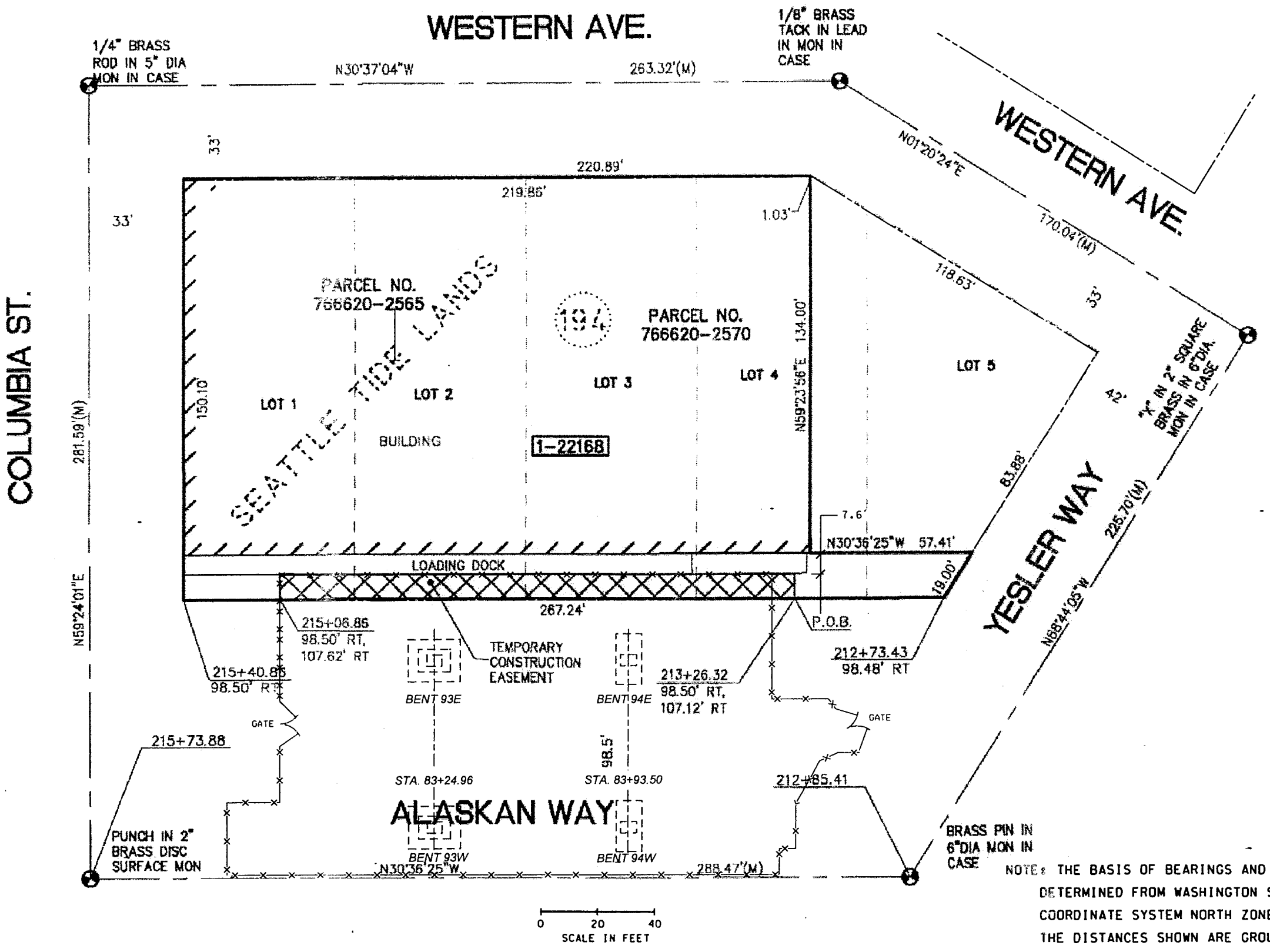
SUMMARY OF QUANTITIES

SQ2

SHEET 3 OF 40 SHEETS

T.24N. R.4E. W.M.

City of Seattle



LEGEND

- EXISTING EASEMENT
- CENTERLINE
- TEMPORARY CONSTRUCTION EASEMENT
- TEMPORARY CONSTRUCTION FENCE
- PARCEL NUMBER

NOTE: THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM NORTH ZONE (NAD 83/91, NAVD 1988). THE DISTANCES SHOWN ARE GROUND DISTANCES.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03626\L2219_MC_TCEE.dgn
TIME	1:40:03 PM
DATE	7/24/2007
PLOTTED BY	gonzaly
DESIGNED BY	P. TSE
ENTERED BY	Y. GONZALEZ
CHECKED BY	K. JONES
PROJ. ENGR.	P. LACY
REGIONAL ADM.	D. DYE

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | JOB NUMBER 07A805 | CONTRACT NO. | FED.AID PROJ.NO. | LOCATION NO.

PAUL D. LACY — STATE OF WASHINGTON — 20755 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06/25/09
7/24/07
P.E. STAMP BOX | DATE

P.E. STAMP BOX | DATE

Washington State Department of Transportation

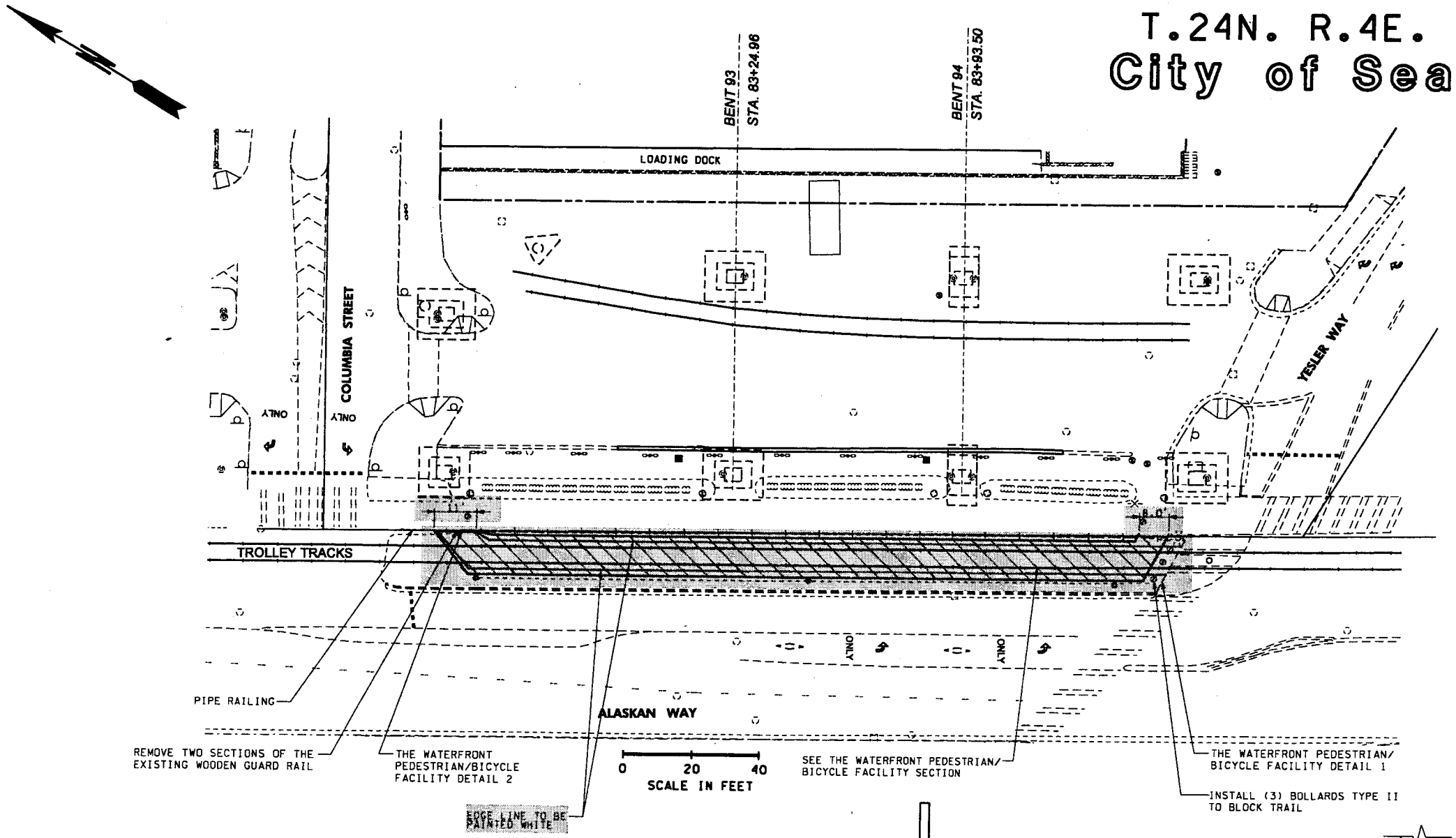
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

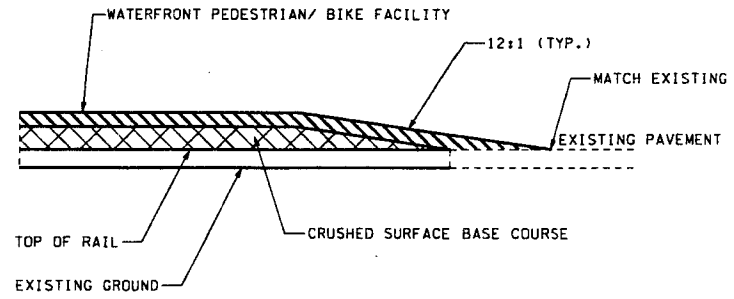
TEMPORARY CONSTRUCTION EASEMENT EXHIBIT

TCEE1

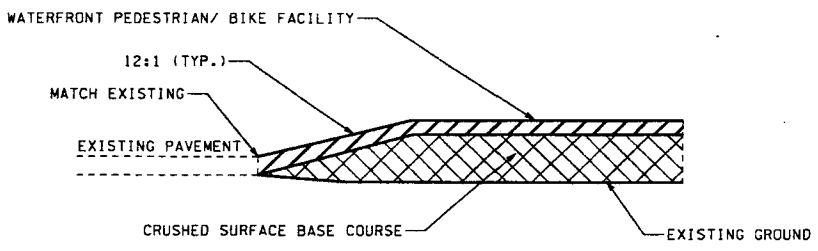
SHEET 4 OF 46 SHEETS

T.24N. R.4E. W.M.
City of Seattle

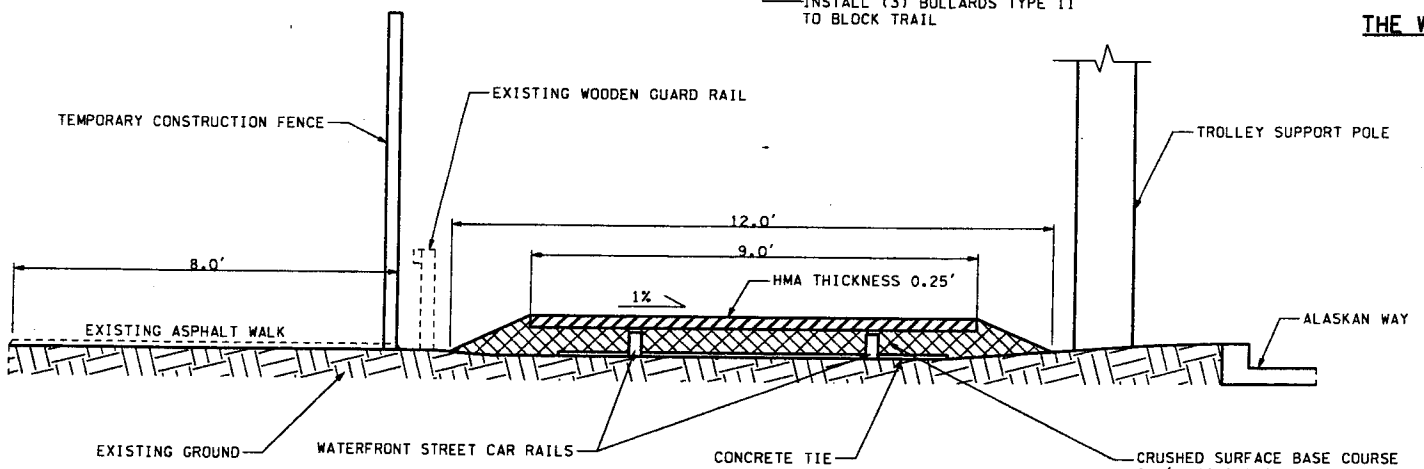




THE WATERFRONT PEDESTRIAN/ BICYCLE FACILITY DETAIL 1
N.T.S.



THE WATERFRONT PEDESTRIAN/ BICYCLE FACILITY DETAIL 2
N.T.S.



THE WATERFRONT PEDESTRIAN/ BICYCLE FACILITY SECTION
0 2 4
SCALE IN FEET

LEGEND

EXISTING RETAINING WALL	TROLLEY SUPPORT PULL/STREET LIGHT
EXISTING RAIL	TEST BORING LOCATION
EXISTING EASEMENT	EXISTING SIGN, ONE POST
EXISTING WOODEN GUARD RAIL	EXISTING CATCH BASIN
TREE	EXISTING MANHOLE
SHRUBS	EXISTING CONDUIT W/ JUNCTION BOX
PARKING PAY STATION	EXISTING DOWNSPOUT
EXISTING PRECAST CONCRETE CURB	REMOVE PAVEMENT AND EXCAVATION LIMITS
EXISTING DOWNSPOUT	CONCRETE PARKING METER FOUNDATION
EXISTING BOLLARD	EXISTING 6" SANITARY SEWER (ABANDONED)
PATH LOCATION	EXISTING 6" STORM DRAIN
EDGE LINE	TEMPORARY CONSTRUCTION FENCE

GENERAL NOTES:

1. EXISTING PATH MUST REMAIN OPEN DURING CONSTRUCTION OF THE WATERFRONT PEDESTRIAN/ BICYCLE FACILITY
2. PLACE CONSTRUCTION GEOTEXTILE BETWEEN THE EXISTING BALLAST/WATERFRONT STREET CAR RAILS AND CRUSHED SURFACING ALONG THE LENGTH OF THE WATERFRONT PEDESTRIAN/BICYCLE FACILITY.
3. SEE STANDARD PLANS H-13A, FOR BOLLARD TYPE II DETAILS.
4. ALL DEPTHS ARE COMPACTED DEPTHS.
5. ALL UTILITIES SHALL REMAIN, EXCEPT AS NOTED.
6. NO OVER EXCAVATION WILL BE ALLOWED.
7. WSDOT BRIDGE PRESERVATION WILL INSPECT BRIDGE FOOTINGS AFTER EXCAVATION. THE CONTRACTOR SHALL PROVIDE 3 DAYS NOTIFICATION PRIOR TO THE START OF EXCAVATION.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_PS_SP_01.dgn
TIME	10:46:43 AM
DATE	8/15/2007
PLOTTED BY	gonzaly
DESIGNED BY	S. SOBHANI
ENTERED BY	K. IRELAND
CHECKED BY	S. SOBHANI
PROJ. ENGR.	P. LACY
REGIONAL ADM.	D. DYE

REVISION	DATE	BY
REVISIONS SHADED	8/14/07	KI

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 07A805		
CONTRACT NO.		LOCATION NO.

PAUL D. LACY — STATE OF WASHINGTON — 29755 REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/09
8/15/07
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

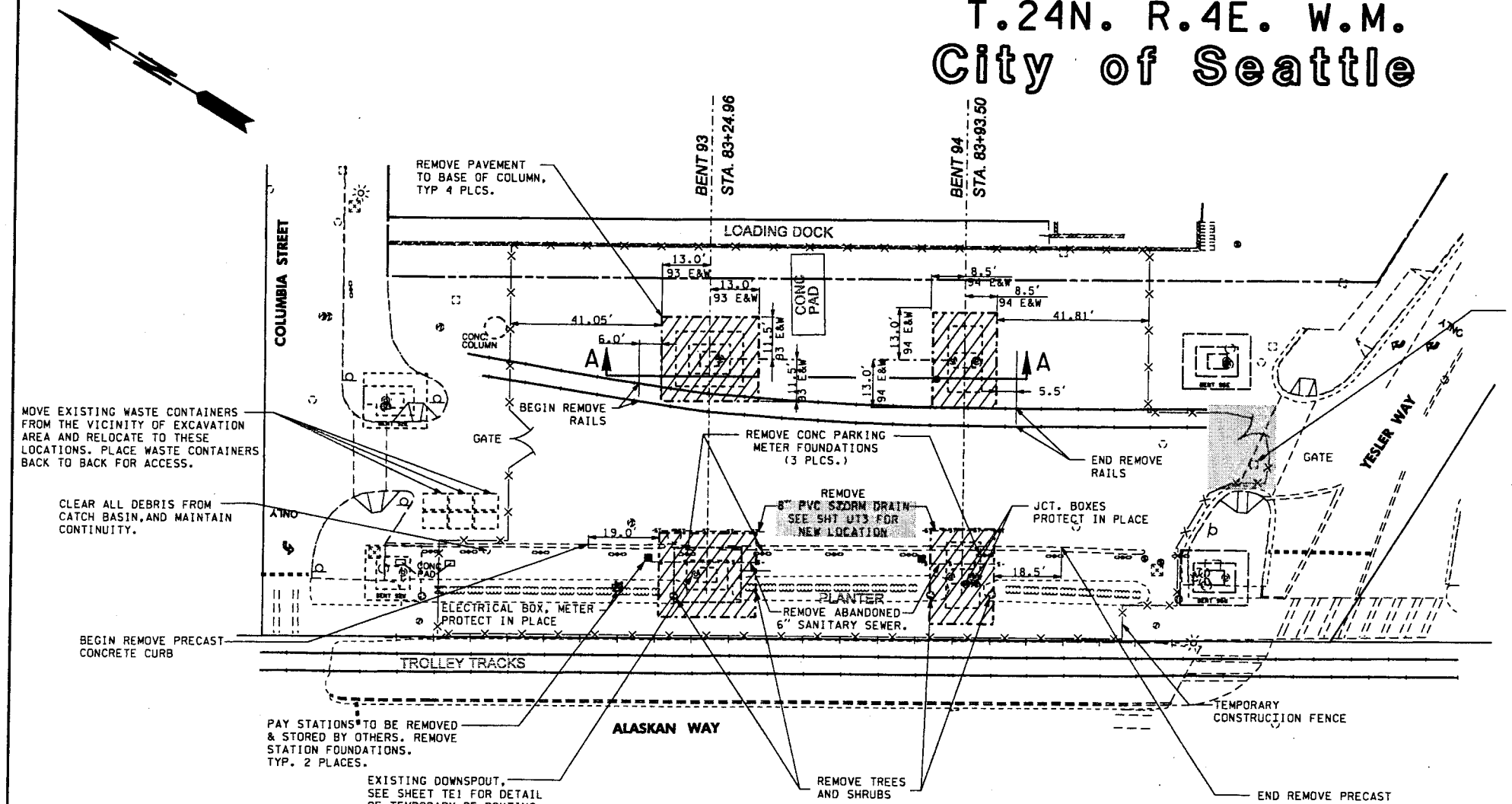
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

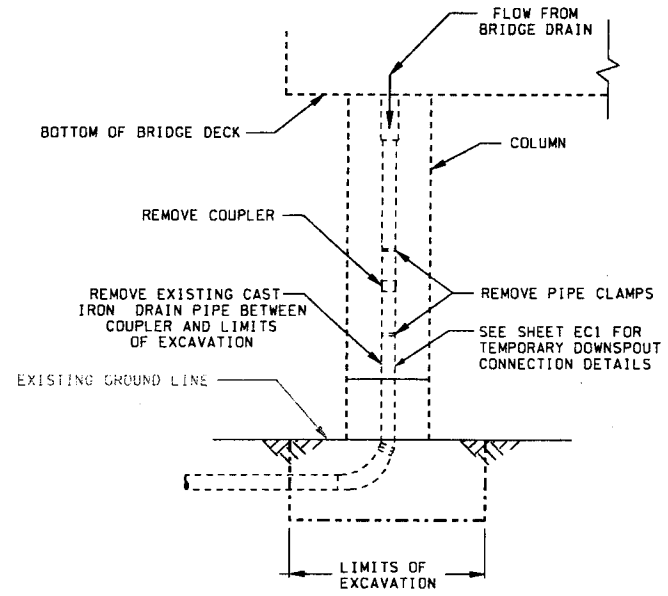
SITE PREPARATION

SP1

SHEET 5 OF 40 SHEETS

T.24N. R.4E. W.M.
City of Seattle



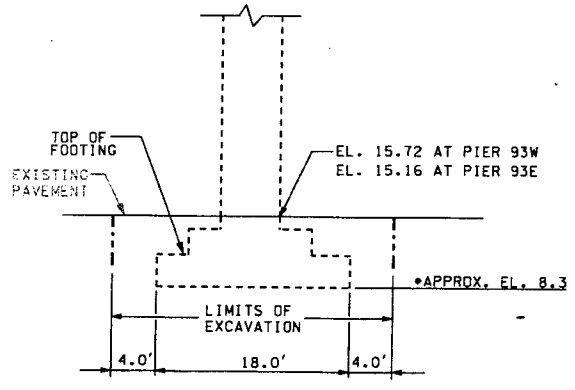


DOWNSPOUT REMOVAL DETAIL

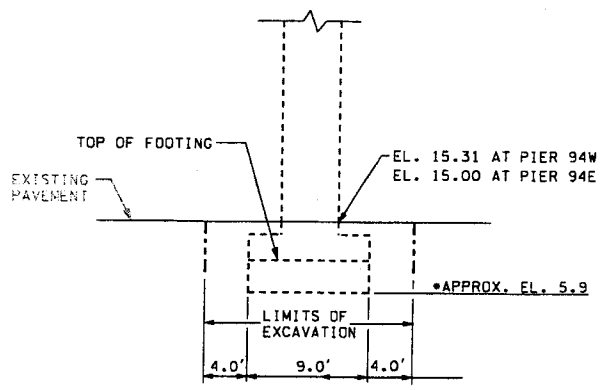
N.T.S

LEGEND

- EXISTING RETAINING WALL
- EXISTING RAIL
- EXISTING EASEMENT
- EXISTING WOODEN GUARD RAIL
- TREE
- SHRUBS
- PARKING PAY STATION
- EXISTING PRECAST CONCRETE CURB
- EXISTING DOWNSPOUT
- EXISTING BOLLARD
- TROLLEY SUPPORT PULL/STREET LIGHT
- TEST BORING LOCATION
- EXISTING SIGN, ONE POST
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING CONDUIT W/ JUNCTION BOX
- EXISTING DOWNSPOUT
- REMOVE PAVEMENT AND EXCAVATION LIMITS
- CONCRETE PARKING METER FOUNDATION
- EXISTING 6" SANITARY SEWER (ABANDONED)
- EXISTING 6" STORM DRAIN
- TEMPORARY CONSTRUCTION FENCE
- PATH LOCATION



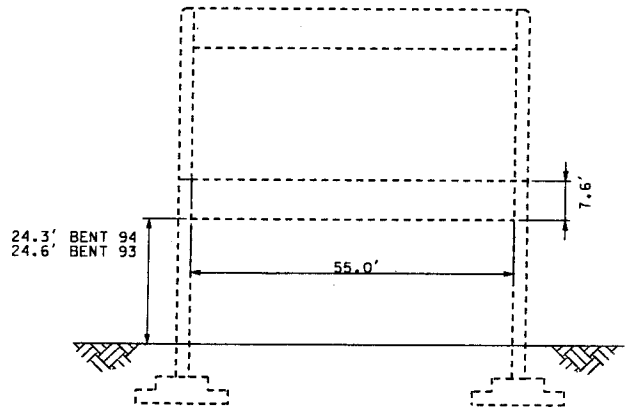
ELEVATION PIERS 93E & 93W



ELEVATION PIERS 94E & 94W

SECTION: A-A

*APPROXIMATE ELEVATIONS BASED ON AVAILABLE AS-BUILT AND TEST HOLE DATA.



BENT DIMENSION DETAIL

BENT 93/94

0 20 40

SCALE IN FEET

GENERAL NOTES:

8. QUANTITES FOR INFORMATION ONLY:

•REMOVE ASPHALT CONCRETE AND/OR PCC PAVEMENT	2,850 SQ. FT.
•REMOVE OLD PARKING METER FOUNDATIONS	3
•REMOVE NEW PARKING PAY STATIONS	BY OTHERS
•REMOVE PRECAST CONCRETE CURB	132 LF.
•REMOVE ABANDONED RAILS	212 LF.
•REMOVE TREES	3 @ 50 FT. TALL
•REMOVE SHRUBS	1
•REMOVE BURIED IRRIGATION SYSTEM (UNDERGROUND EXTENTS UNKNOWN)	52 LF.
•REMOVE ABANDONED 6" SANITARY SEWER.	52 LF.
•REMOVE EXISTING 6" PVC STORM DRAIN	52 LF.

9. REMOVE ABANDONED GAS LINE AND 6" DRAIN LINE IN EXCAVATION SITES.

10. ALL EXISTING UTILITIES NOT SHOWN FOR CLARITY. REFER TO SHEET UT1 FOR APPROXIMATE LOCATION OF ALL EXISTING UTILITIES.

11. PARKING SPACES NOT SHOWN FOR CLARITY. WITHIN THE WORK ZONE, THE MAXIMUM NUMBER OF PARKING SPACES IMPACTED BY CONSTRUCTION ACTIVITIES IS LIMITED TO 22 PUBLIC SPACES AND 22 PRIVATE SPACES. INSTALL TEMPORARY CONSTRUCTION FENCE AS SHOWN. REFER TO SHEET LSMK1 FOR LAYOUT AND LOCATION OF IMPACTED PARKING SPACES.

12. PROVIDE THE ENGINEER AT LEAST (7) SEVEN WORKING DAYS IN ADVANCE OF THE PAY STATION REMOVAL START DATE.

FILE NAME	C:\AAWork\PWwork\AWV\Gonzalv\dms03962\AD_L3082_PS_SP_02.dgn
TIME	10:47:54 AM
DATE	8/15/2007
PLOTTED BY	gonzalv
DESIGNED BY	R. A. BEAN
ENTERED BY	Y. GONZALEZ
CHECKED BY	K. JONES
PROJ. ENGR.	P. LACY
REGIONAL ADM.	D. DYE

REVISION	DATE	BY
REVISIONS SHADED	8/14/07	YG

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 07A805		
CONTRACT NO.	LOCATION NO.	

PAUL D. LACY — STATE OF WASHINGTON — 21600 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 04/25/08

8/15/07 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

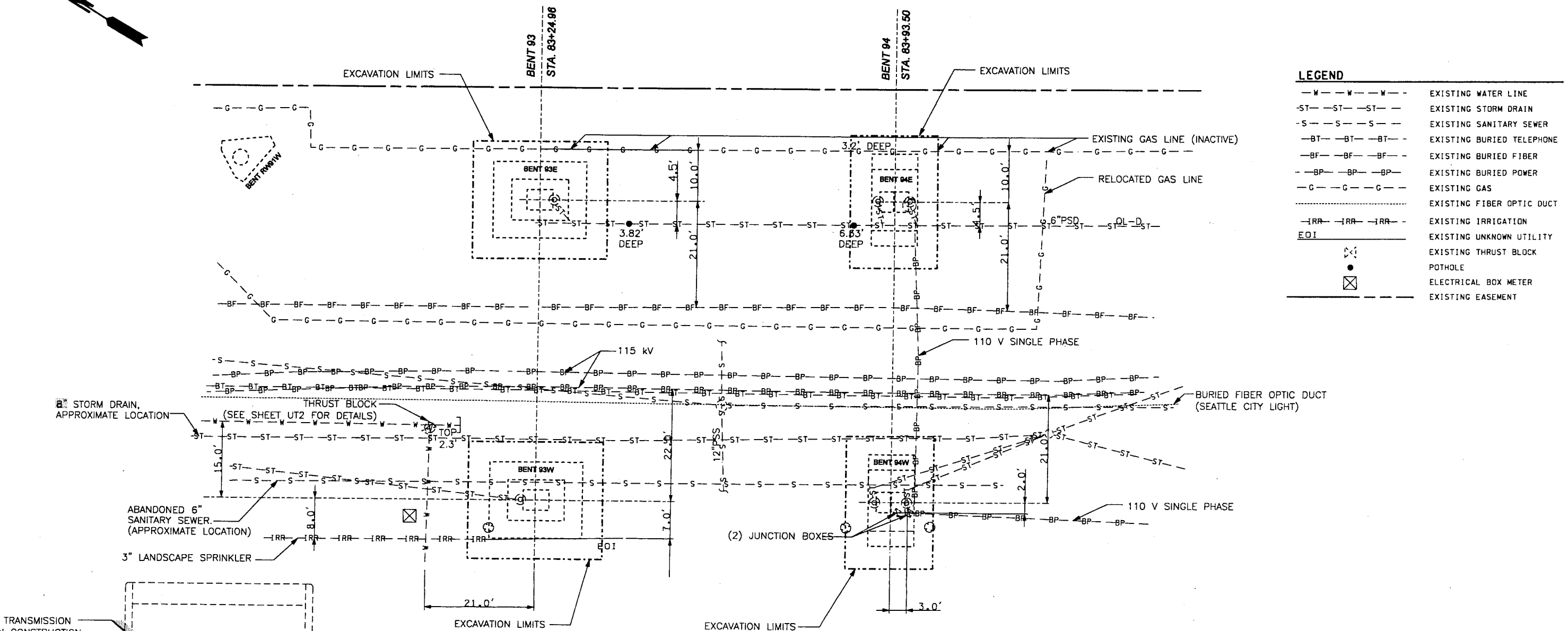
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

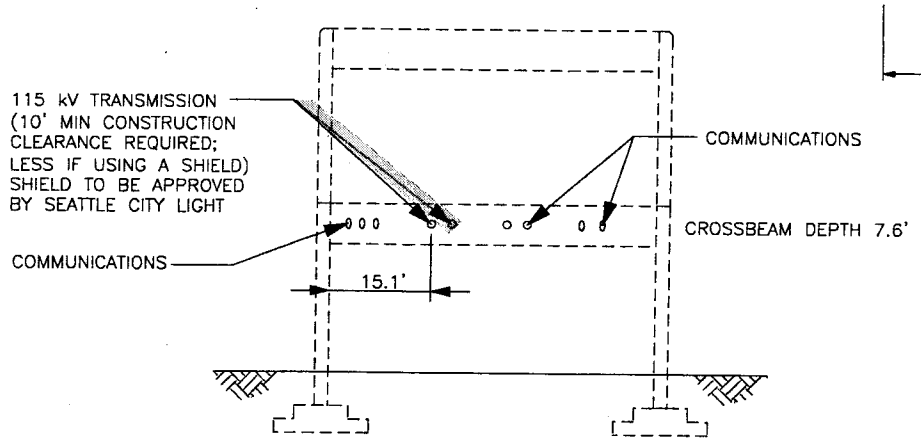
SITE PREPARATION

SP2

SHEET 6 OF 40 SHEETS

T.24N. R.4E. W.M.
City of Seattle





OVERHEAD UTILITY CLEARANCE DETAIL

BENT 93/94 FACING NORTH

0 10 20
SCALE IN FEET

LEGEND

—W— —W— —W—	EXISTING WATER LINE
—ST— —ST— —ST—	EXISTING STORM DRAIN
—S— —S— —S—	EXISTING SANITARY SEWER
—BT— —BT— —BT—	EXISTING BURIED TELEPHONE
—BF— —BF— —BF—	EXISTING BURIED FIBER
—BP— —BP— —BP—	EXISTING BURIED POWER
—G— —G— —G—	EXISTING GAS
	EXISTING FIBER OPTIC DUCT
—IRR— —IRR— —IRR—	EXISTING IRRIGATION
EOI	EXISTING UNKNOWN UTILITY
	EXISTING THRUST BLOCK
	POTHOLE
	ELECTRICAL BOX METER
	EXISTING EASEMENT

GENERAL NOTES:

1. UTILITIES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. DEPTH AND LOCATIONS SHOWN ARE APPROXIMATE AND ARE TAKEN FROM EXISTING RECORDS AND LIMITED TEST HOLE INFORMATION. A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, USE THE "ONE CALL" TELEPHONE NUMBER (1-800-424-5555) AND OTHER METHODS AS NECESSARY TO DETERMINE THE LOCATIONS OF THE UTILITIES.
2. REFER TO SHEET SP2 FOR REMOVAL QUANTITY OF ABANDONED 6" SANITARY SEWER.
3. 110 V SINGLE PHASE TO BE REMOVED WITHIN EXCAVATED AREAS. WIRING TO BE LEFT ABANDONED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. REMOVE INACTIVE GAS LINE WITHIN EXCAVATED AREAS.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_PS_UT_01.dgn						
TIME	10:49:15 AM						
DATE	8/15/2007						
PLOTTED BY	gonzaly						
DESIGNED BY	R. A. BEAN						
ENTERED BY	Y. GONZALEZ						
CHECKED BY	K. JONES						
PROJ. ENGR.	P. LACY	REVISIONS SHADED	8/14/07	YG			
REGIONAL ADM.	D. DYE	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
07A805		
CONTRACT NO.		LOCATION NO.

PAUL D. LACY — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/08
8/15/07
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

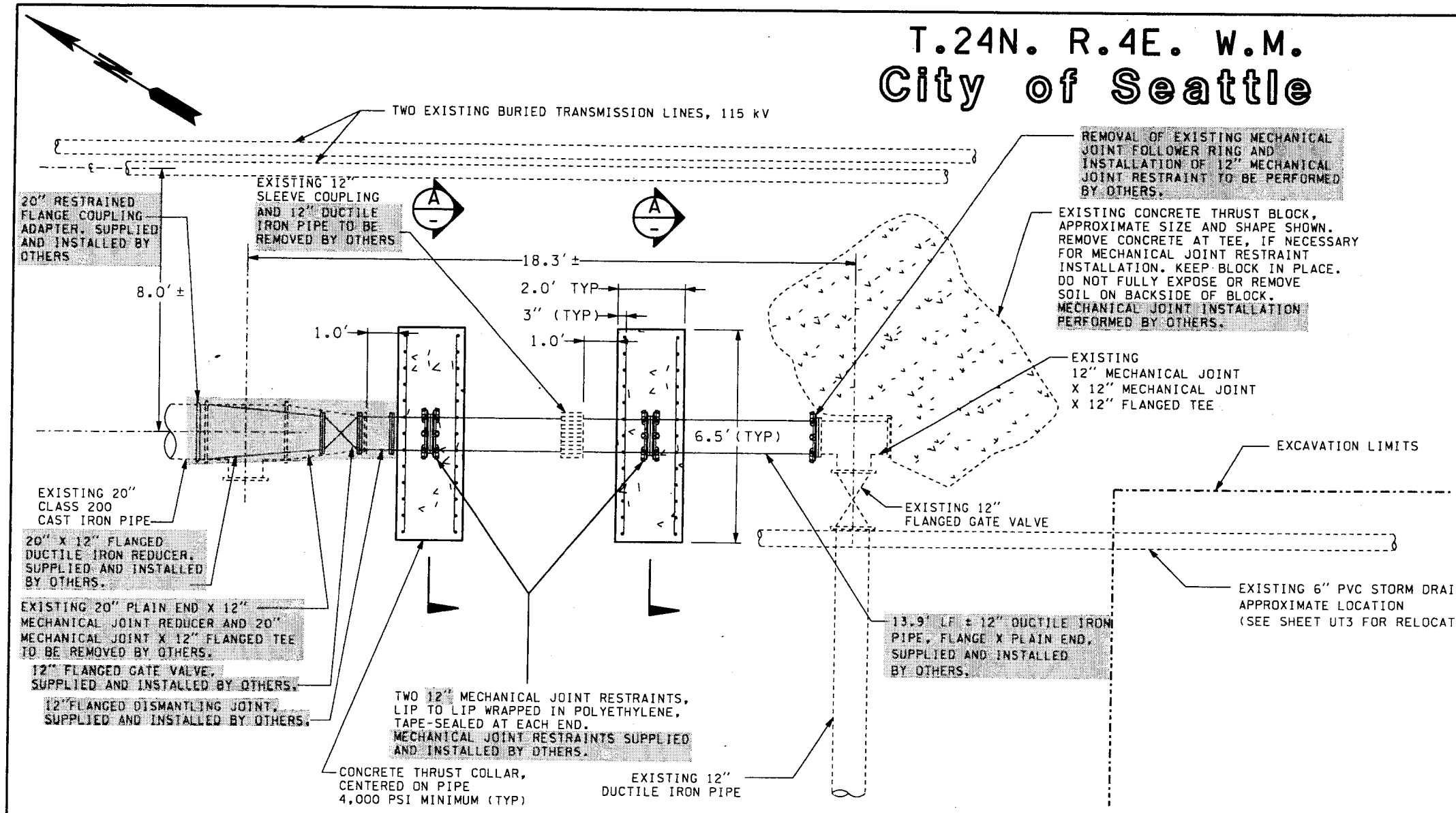
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

EXISTING UTILITIES

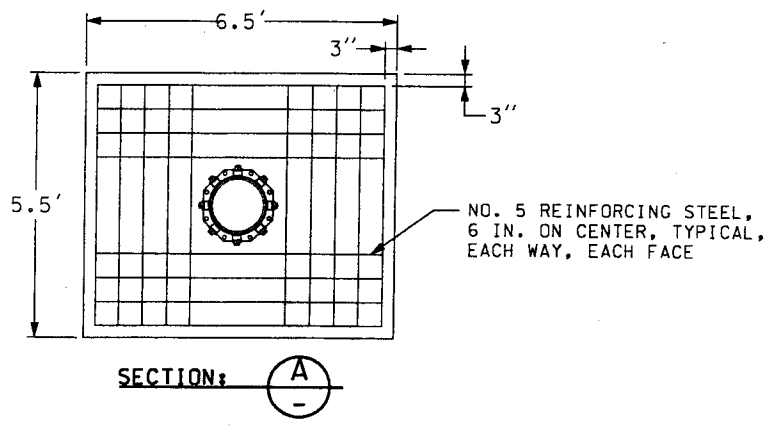
UT1

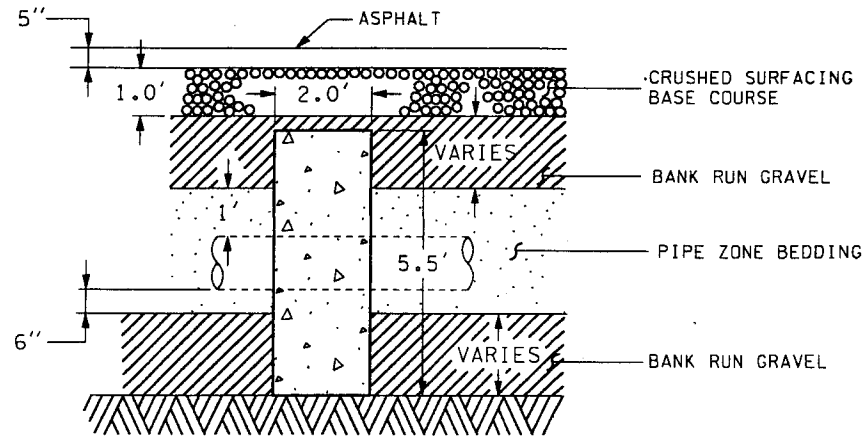
SHEET 7 OF 39 SHEETS

T.24N. R.4E. W.M.
City of Seattle



PLAN VIEW





TYPICAL TRENCH ELEVATION

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

5. PROTECT ALL EXISTING UTILITIES, SERVICE CONNECTIONS, AND SURFACE IMPROVEMENTS. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT.

6. THE WATERLINE SHALL BE REMOVED FROM SERVICE FOR THE CONSTRUCTION AND INSTALLATION OF THE THRUST COLLARS AND MECHANICAL JOINT RESTRAINTS. CONTRACTOR SHALL CONTACT SEATTLE PUBLIC UTILITIES (SPU) A MINIMUM OF THREE (3) WEEKS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES TO COORDINATE THE SHUT DOWN. REFER TO SPECIAL PROVISION, WATER MAIN.

7. BLOCKING SHALL NOT COVER OR ENCLOSE BELL ENDS, JOINT BOLTS OR GLANDS. FUTURE ACCESS TO BOLTS AND GLANDS SHALL BE PROVIDED.

8. CONCRETE FOR THRUST COLLAR SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.

9. CONCRETE THRUST COLLARS SHALL BE BACKFILLED AFTER 1 DAY.

10. ALL BACKFILL SHALL BE COMPACTED TO 95% of ASTM D1557, METHOD C.

11. PROVIDE SPU AND THE ENGINEER AT LEAST ONE (1) WORKING DAY ADVANCE NOTICE FOR INSPECTION AND APPROVAL OF ALL CONCRETE BLOCKING PRIOR TO BACKFILLING. UNACCEPTABLE CONCRETE BLOCKING SHALL BE REPLACED AT NO ADDITIONAL EXPENSE TO THE CONTRACTING AGENCY.

11A. PIPELINE INSTALLATION WORK TO BE PERFORMED BY OTHERS. CONTRACTOR TO EXCAVATE AND EXPOSE PIPING, PROVIDE TRENCH SAFETY AND ASSIST WITH INSTALLATION AS REQUESTED. CONTRACTOR TO BE RESPONSIBLE FOR CONCRETE WORK, EXCAVATION, BACKFILL, SURFACE RESTORATION, TRENCH SAFETY, AND ALL OTHER ASSOCIATED WORK.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_PS_UT_02.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	10:50:24 AM				10	WASH		
DATE	8/15/2007				JOB NUMBER			
PLOTTED BY	gonzaly				07A805			
DESIGNED BY	B. BARTLE				CONTRACT NO.		LOCATION NO.	
ENTERED BY	Y. GONZALEZ							
CHECKED BY	G. PIERSON							
PROJ. ENGR.	P. LACY	REVISIONS SHADED	8/14/07	YG				
REGIONAL ADM.	D. DYE	REVISION	DATE	BY				

PAUL D. LACY — STATE OF WASHINGTON — 29755 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/08 — 8/15/07 DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

WATER MAIN THRUST COLLAR

UT2

SHEET 8 OF 40 SHEETS

ENVIRONMENTAL COMPLIANCE NOTES

SHEET REFERENCE	SITE CODE	NOTE NUMBERS
NOT USED	NOT USED	NOT USED

GENERAL NOTES:
The information on the ECN sheets is derived from project-specific environmental commitment documents and regulatory approval. The Contractor shall abide by the commitments outlined in the commitment documents and regulatory approvals to stay in compliance with the legal regulations. The Contractor shall contact the Engineer and the Engineer will contact the appropriate resource agency through the Project Environmental Manager regarding approval issues. See ECN sheets for regulatory compliance for all work.

*Permit/Approval Reference	Regulatory Agencies and Permit
DOE -	WASH. STATE DEPT. OF ECOLOGY -IMPLEMENTING AGREEMENT between WSDOE & WSDOT Regarding Compliance with the state of Washington Surface Water Quality Standards, February, 1998.

NOTES

CONTRACTOR REQUIREMENTS:

APPLIES TO ALL WORK

1. Construction materials, vehicles and equipment shall not be allowed to be stockpiled or stored within any existing sensitive area and waters of the state; including wetlands, wetland buffers, streams and creeks, and stream and creek buffers at any time during the life of this contract.

2. Discharge of petroleum products, hydraulic fluid, fresh cement, sediment-laden water, chemicals, or any other toxic or deleterious materials leaching or entering into waters of the state, including wetlands, streams, creeks, and jurisdictional ditches, is prohibited. Any discharge of this kind shall be reported to the Engineer immediately.

***Applies to Work in and near Waters of the State**

General Conditions:

1. The Contractor shall comply with the water quality criteria specified in Chapter 173-201A WAC, and RCW90.48 Water Pollution Control. Failure to comply with the State's Water Quality Standards may result in the issuance of civil penalties or other actions, whether administrative or judicial.

2. For work in or near the water the Contractor shall meet all state water quality standards.

3. Prior to the start of work, the Contractor shall review the conditions of the WSDOE & WSDOT Implementing Agreement with the Engineer. A copy of the Implementing Agreement shall be located at the job site at all times during construction. The Contractor shall provide the Engineer a signed statement documenting that he has read, understands and shall abide by the conditions of this Implementing Agreement.

1. Water Quality

1a. There shall be no visible sheen from petroleum products in the receiving water as a result of construction activities.

1b. The Contractor shall ensure that construction debris and excess sediment shall be prevented from entering waters of the state.

NOTES

2. Concrete

2a. All cement concrete shall be poured in the dry, or within confined waters not being dewatered to surface waters, and shall be allowed to cure a minimum of seven (7) days before contact with water. The waters of the state shall not come in contact with the concrete structure while the concrete is curing. Any dewatering required from a contained area with curing concrete shall be discharged to land with no possible entry to surface waters. If the project occurs in a location that has a municipal sanitary sewer system and no land is available for biofiltration, discharge shall be to the sanitary sewer. The Contractor shall contact the Engineer prior to any discharge.

3. Erosion Control

3a. The Contractor shall perform periodic inspection and maintenance of all erosion control structures and shall be conducted at a minimum every seven (7) days. Additional inspections shall be conducted prior to and after expected rainfall events to ensure erosion control measures are in working condition. Any damaged structures shall be immediately repaired. If it is determined at the inspection that additional BMP measures are needed to control storm water and erosion, they shall be implemented immediately.

3b. Adjacent and downstream properties shall be protected from sediment deposition from wind or water action. All sediment control devices including sediment ponds, perimeter silt fencing, and other sediment trapping BMPs shall be installed before ground disturbance and grading commences.

3c. All temporary conveyance channels and pipe outlets shall be stabilized to prevent erosion.

3d. All storm drain inlets that receive flow from the project shall be protected from sediment.

3e. All construction access routes that are subject to water or wind erosion shall be stabilized.

3f. All temporary BMPs and accumulated sediments shall be removed or stabilized immediately after final site stabilization and completion of the contract.

3g. Under no circumstances shall free fall dumping of fill material occur in or next to any water body unless control structures are in place to prevent sediment from directly entering the water body.

NOTES

3h. All lumber treated with creosote or other protective material shall be completely dry before use in or near the waterway. In all cases creosote treated timbers or creosote-coated materials shall not be placed in lakes.

3i. Material used to construct road approaches to the site shall be of clean composition and placed in a manner to prevent erosion and tracking out of the material off site.

3j. A separate area shall be set aside, that does not have any possibility of draining to surface waters, for the wash out of concrete delivery trucks, pumping equipment, and tools.

3k. The Contractor's designated ESC Lead shall be on call seven (7) days a week and twenty four (24) hours a day and available to be on site during heavy rainfall, and at all times while construction activities are occurring that may affect the quality of ground or surface waters of the state, especially during heavy rain conditions.

4. Hazardous Spill Prevention and Control

4a. Equipment, chemical storage tanks and any hazardous materials (fuels, oil, oil drums, grease or any toxic materials) used during construction shall be serviced, fueled, maintained and stored on upland areas only, with a minimum distance of 50 feet from any sensitive area and any surface waters of the state. All stationary equipment, storage of toxic materials, gas and oil containers, and fueling service areas shall be provided with spill containment as approved by the Engineer and as specified by Section 1-07.15(1) Spill Prevention, Control and Countermeasures (SPCC) Plan of the Standard Specifications. A copy of the Contractor's SPCC Plan shall be kept on-site at all times during construction. Spill containment for these items shall consist of dikes (raised physical border containment) and be located on impervious surfaces to prevent spills into ground or surface waters of the state.

4b. No petroleum products, fresh cement, lime or concrete, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.

4c. The discharge of oil, fuel or chemicals to waters of the state, or onto land with a potential for entry into state waters, is prohibited.

4d. No emulsifiers or dispersants are to be used in waters of the state without written approval from the Department of Ecology, Regional Office.

4e. No cleaning solvents or chemicals utilized for tool or equipment cleaning may be discharged to the ground or to waters of the state.

4f. Waste liquids shall be stored under cover, such as tarpaulins or roofs.

						REGION NO.	STATE	FED. AID PROJ. NO.
						10	WASH	
DESIGNED BY	C. KASSEBAUM	7/9/07				JOB NUMBER 07A805		
ENTERED BY	C. KASSEBAUM	7/9/07				CONTRACT NO.		
CHECKED BY	S. SOBHANI	7/9/07						
PROJ. ENGR.	P. LACY	7/9/07						
REGION ADM.	D. DYE	7/9/07						
		DATE	DATE	REVISION	BY			

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

ENVIRONMENTAL COMPLIANCE NOTES

EM 1

SHEET 9 OF 40 SHEETS

ENVIRONMENTAL COMPLIANCE NOTES

SHEET REFERENCE	SITE CODE	NOTE NUMBERS
NOT USED	NOT USED	NOT USED

GENERAL NOTES:
The information on the ECN sheets is derived from project-specific environmental commitment documents and regulatory approval. The Contractor shall abide by the commitments outlined in the commitment documents and regulatory approvals to stay in compliance with the legal regulations. The Contractor shall contact the Engineer and the Engineer will contact the appropriate resource agency through the Project Environmental Manager regarding approval issues. See ECN sheets for regulatory compliance for all work.

*Permit/Approval Reference	Regulatory Agencies and Permit
DOE -	WASH. STATE DEPT. OF ECOLOGY -IMPLEMENTING AGREEMENT between WSDOE & WSDOT Regarding Compliance with the state of Washington Surface Water Quality Standards, February, 1998

NOTES

4. Hazardous Spill Prevention and Control (Continued)

4g. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked daily for drips or leaks, and shall be maintained and stored properly to prevent spills into waters of the state. All staging and storage sites containing equipment, fuel, oil, or any other toxic or hazardous materials shall be secured within fencing and locked gates, as approved by the Engineer.

4h. The Contractor is responsible for concentrated waste or spilled chemicals and the Contractor shall transport off site for disposal at a facility approved by the Department of Ecology or appropriate County Health Department. These materials shall not be discharged to a sewer without approval of the local sewer authority.

5. Spill Reporting

5a. Any spill of fuel, oil, hydraulic fluid, solvents, paint, stored chemicals, toxic or hazardous materials into the ground, drainage structures, or into surface waters of the state shall be reported to the Engineer immediately. Containment and clean-up efforts shall begin immediately and be in-accordance with the approved Spill Prevention, Control, and Countermeasures Plan, as specified in Section 1-07.15(1) of the Standard Specifications. All other work in the effected area shall be stopped until all clean up of the spill is completed. Containment and clean up shall take precedence over normal work activities. Normal work activities within the immediate spill area shall be stopped until the contents, clean up and disposal methods are completed as approved by the Engineer.

5b. If fish are observed in distress, or a fish kill occurs (outside of normal spawning events), as a result of water quality problems (including equipment leaks or toxic and hazardous material spills into waters of the state), immediate notification shall be made to the Engineer.

6. Ditch and Culvert Cleaning

6a. Ditch and culvert cleaning activities shall take place when the ditch or culvert does not contain water whenever possible. If the ditch or culvert has flowing water that discharges to surface waters of the state at the time of the cleaning activity, temporary sediment traps shall be used to control turbid water created by the activity.

NOTES

6b. All material excavated from roadside ditches or streams shall be completely removed and disposed of at an upland location. No material shall be side cast into adjacent wetlands, sensitive areas, or other waters of the state.

6c. If material is placed on the upland to dewater, it shall be contained or placed in such a way that the runoff shall not flow into nearby storm drains, or water bodies, including wetlands and sensitive areas occurring adjacent to the ditch. Any flow of slurry water shall be controlled to reduce suspended sediment levels not exceeding state established water quality standards, prior to discharge back into any adjacent water body.

7. Maintenance of Storm Water Control and Treatment Structures

7a. Cleaning of storm water conveyance systems (catch basins, piping, vaults, detention/retention ponds) by use of vactor or eductor systems shall be performed to minimize discharge of turbid water. Accumulated sediments from vactor or eductor cleaning operations shall be disposed at locations appropriately permitted to receive these wastes. Decanting of the liquid portion of vactor wastes in the field shall be handled in the following manner:

Decant water shall be disposed to municipal decant stations appropriately permitted to receive the decant water.

NOTES

7b. Cleaning of storm water treatment ponds or swales shall be performed when there is not a possibility of a discharge from the pond for at least 24 hours.

7c. If upon inspection of a storm water facility, the water appears excessively oily, exhibits an unusual color or odor, or if staining or corrosion is observed, illicit dumping may be the cause and the storm water facility shall not be disposed or discharged until a characterization of the water can be performed to determine the presence of toxic or hazardous contaminants. Should these conditions be observed during wet weather, the material may need to be removed and stored for characterization to prevent a discharge and degradation of waters of the state. Proper disposal options will be determined based on the characterization. If there is a likely source of contamination nearby that may be causing any observed problems, contact the Engineer immediately to report the information.

7d. Material that is placed on the upland to dewater, shall be contained or placed in such a way that the runoff will not flow directly into adjacent storm drains, or water bodies, including wetlands occurring adjacent to the ditch. Any flow of slurry water shall be controlled to reduce suspended sediment levels prior to discharging back into any adjacent water body. This return water shall not exceed the water quality standards.

						REGION NO.	STATE	FED. AID PROJ. NO.
DESIGNED BY	C. KASSEBAUM	7/9/07				10	WASH	
ENTERED BY	C. KASSEBAUM	7/9/07				JOB NUMBER		
CHECKED BY	S. SOBHANI	7/9/07				07A805		
PROJ. ENGR.	P. LACY	7/9/07				CONTRACT NO.		
REGION ADM.	D. DYE	7/9/07						
		DATE	DATE	REVISION	BY			

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

ENVIRONMENTAL COMPLIANCE NOTES

EM 2

SHEET 10 OF 40 SHEETS

ENVIRONMENTAL COMPLIANCE NOTES

SHEET REFERENCE	SITE CODE	NOTE NUMBERS
NOT USED	NOT USED	NOT USED

GENERAL NOTES:
The information on the ECN sheets is derived from project-specific environmental commitment documents and regulatory approval. The Contractor shall abide by the commitments outlined in the commitment documents and regulatory approvals to stay in compliance with the legal regulations. The Contractor shall contact the Engineer and the Engineer will contact the appropriate resource agency through the Project Environmental Manager regarding approval issues. See ECN sheets for regulatory compliance for all work.

*Permit/Approval Reference	Regulatory Agencies and Permit

8. Puget Sound Clean Air Agency (PSCAA) - Memorandum of Agreement between WSDOT and PSCAA regarding fugitive dust control at construction sites, December 1999.

9. King County Dewatering Discharge Authorization

10. City of Seattle Code Section 25.08.425 Noise Control and Temporary Noise Variances for Nighttime Noise

11. City of Seattle Department of Planning and Development Exemption From Shoreline Management Act Substantial Development Permit Requirement

12. City of Seattle Department of Transportation Street Use Permit

13. City of Seattle Pioneer Square Preservation Board Certificate of Approval

14. State Historic Preservation Officer (SHPO)/ Department of Archaeology and Historic Preservation (DAHP) – Section 106 correspondence between WSDOT and SHPO/DAHP regarding archaeological monitoring and vibration and settlement monitoring of historic structures, and archeological excavation, June 19, 2007 and June 21, 2007, respectively.

15. Transient Populations and Construction Safety

16. Erosion Control and Temporary Erosion and Sediment Erosion Control (TESC) Plan

NOTES

8. Puget Sound Clean Air Agency (PSCAA) Fugitive Dust Control

8a. The Contractor shall prepare a Fugitive Dust Control Plan and submit to the Engineer prior to start of construction. This Plan shall identify the selected BMPs relying on the Associated General Contractors of Washington (AGC) publication, Guide to Handling Fugitive Dust From Construction Projects.

9. King County Dewatering Discharge Authorization

9a. Prior to discharge to the sanitary sewer, the Contractor shall have preliminary samples taken of the wastewater and analyzed by a Washington State Department of Ecology accredited laboratory. The results of the sampling shall be submitted to King County for review to ensure the discharge meets King County Industrial Waster limits.

9b. Discharge to the sanitary sewer shall consist primarily of construction process wastewater and groundwater from excavations which may be contaminated.

9c. Wastes or contaminants from sources other than those permitted by the King County Discharge Authorization shall not be discharged to the sanitary sewer without prior approval by the Engineer.

9d. The discharge shall not cause hydraulic overloading conditions of the sewerage conveyance system. During periods of peak hydraulic loading, King County and City of Seattle representatives reserve the authority to request that discharge to the sanitary sewer be stopped.

9e. The Contractor shall implement erosion control BMP to minimize the amounts of solids discharge to the sanitary sewer system. As a minimum precaution, the wastewater shall be pumped to an appropriately sized settling tank prior to entering the sanitary sewer system.

9f. The Contractor shall provide wastewater monitoring logs containing the results of the required field monitoring specified must be maintained on-site and must be available for review at reasonable times by authorized representatives of King County.

9g. Prior to any discharge to the sanitary system, the Contractor shall have H_2S and salinity meters to appropriately monitor for atmospheric sulfides and salinity.

10. City of Seattle Code Section 25.08.425 Noise Control and Temporary Noise Variances for Nighttime Noise

10a. The Contractor shall comply with Section 25.08.425 of the Seattle Municipal Code which requires that any equipment used in commercial construction activities shall not exceed established maximum permissible sound levels.

NOTES

10b. Should nighttime work be needed, the Contractor shall submit a Noise Attenuation Plan to the Engineer for approval 10 days prior to night time work. This Plan shall demonstrate how planned work means and methods comply with the special provision titled "NOISEVAR" and the temporary night time noise variances issued by the City of Seattle Department of Planning and Development as secured by the Contracting Agency.

11. City of Seattle Department of Planning and Development Exemption From Shoreline Management Act Substantial Development Permit Requirement

11a. The Contractor shall employ BMP's to minimize the amount of erosion and contamination of the shoreline environment caused by construction and associated storage and staging areas.

12. City of Seattle Department of Transportation Street Use Permit

12a. The Contractor shall comply with all conditions in the City of Seattle Department of Transportation Street Use Permit.

13. City of Seattle Pioneer Square Preservation Board Certificate of Approval

13a. The Contractor shall comply with all conditions in the City of Seattle Pioneer Square Preservation Board Certificate of Approval.

14. State Historic Preservation Officer (SHPO)/ Department of Archaeology and Historic Preservation (DAHP) – Section 106

14a. Contractor shall prepare an Archaeological Excavation Plan that complies with applicable conditions as contained in the referenced Section 106 correspondence between WSDOT and SHPO/DAHP. The Plan shall specifically address how the Contractor and Engineer's archaeologist will coordinate and work together to allow completion of the archaeological investigations within a maximum of 10 working day period. The Contractor shall consult with the Engineer's archeologist to develop this Plan. This Plan shall be submitted to Engineer for approval 30 days prior to the start of Archeological excavation.

14b. Contractor shall comply with special provisions titled "Archeological and Historical Objects" and "Vibration Monitoring".

14c. Contractor shall not start construction, until the Engineer confirms in writing that the Contracting Agency has completed its photography and video recording of the adjacent historic structures.

14d. Contractor shall return the project area to existing conditions with asphalt-paved street under the viaduct, following repairs.

NOTES

15. Transient Populations and Construction Safety

15a. Contractor shall on a daily basis, prior to beginning any construction activity, visually inspect the construction site for people in otherwise inconspicuous areas such as under or inside machinery and dumpsters in order to prevent physical accidents and hazards.

16. Erosion Control and Temporary Erosion and Sediment Control (TESC) Plan

16a. The ESC lead shall be listed on the Emergency Contact List for the Project.

						REGION NO.	STATE	FED. AID PROJ. NO.
						10	WASH	
DESIGNED BY	C. KASSEBAUM	7/9/07				JOB NUMBER 07A805		
ENTERED BY	C. KASSEBAUM	7/9/07						
CHECKED BY	S. SOBHANI	7/9/07						
PROJ. ENGR.	P. LACY	7/9/07						
REGION ADM.	D. DYE	7/9/07	08/14/07	REVISIONS SHADED	KJ	CONTRACT NO.		
		DATE	DATE	REVISION	BY			

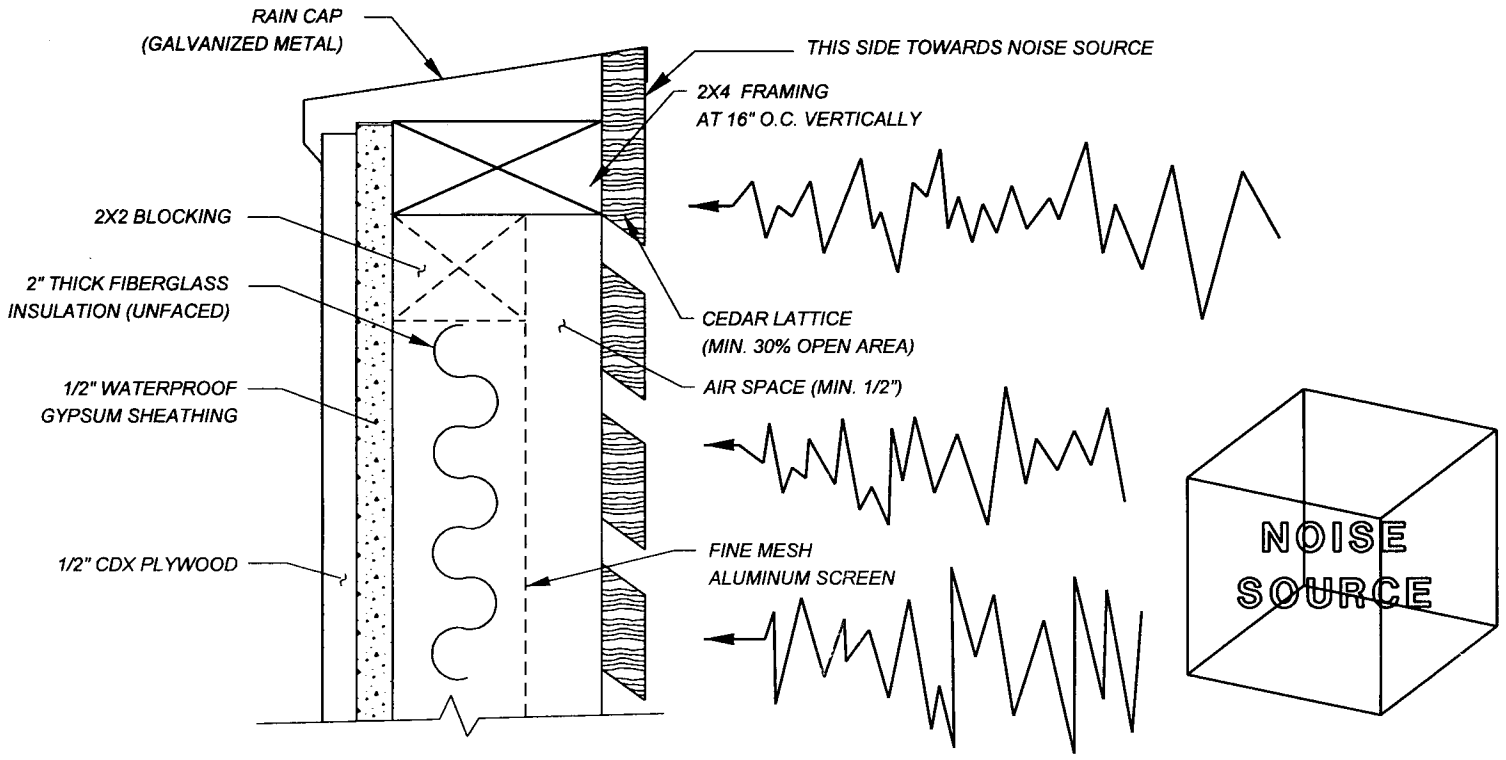
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

ENVIRONMENTAL COMPLIANCE NOTES

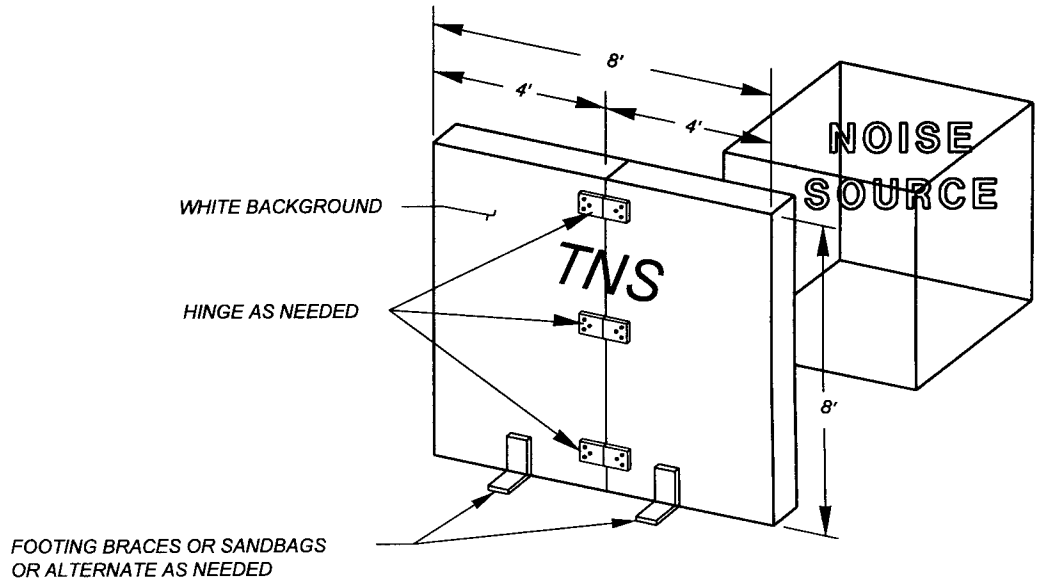
EM 3

SHEET 11 OF 40 SHEETS

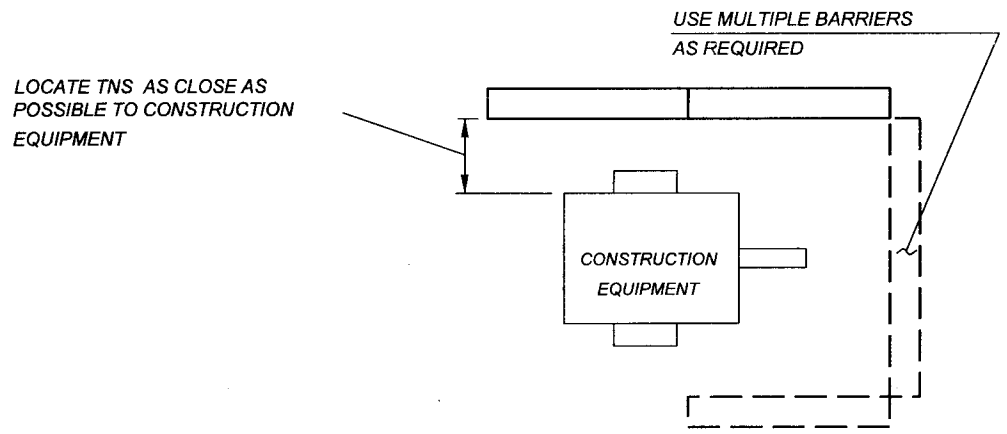


TEMPORARY NOISE SHIELD 8' X 8' (TNS)

NTS



TEMPORARY NOISE SHIELD (TNS)



PLAN VIEW

NTS

NOTES:

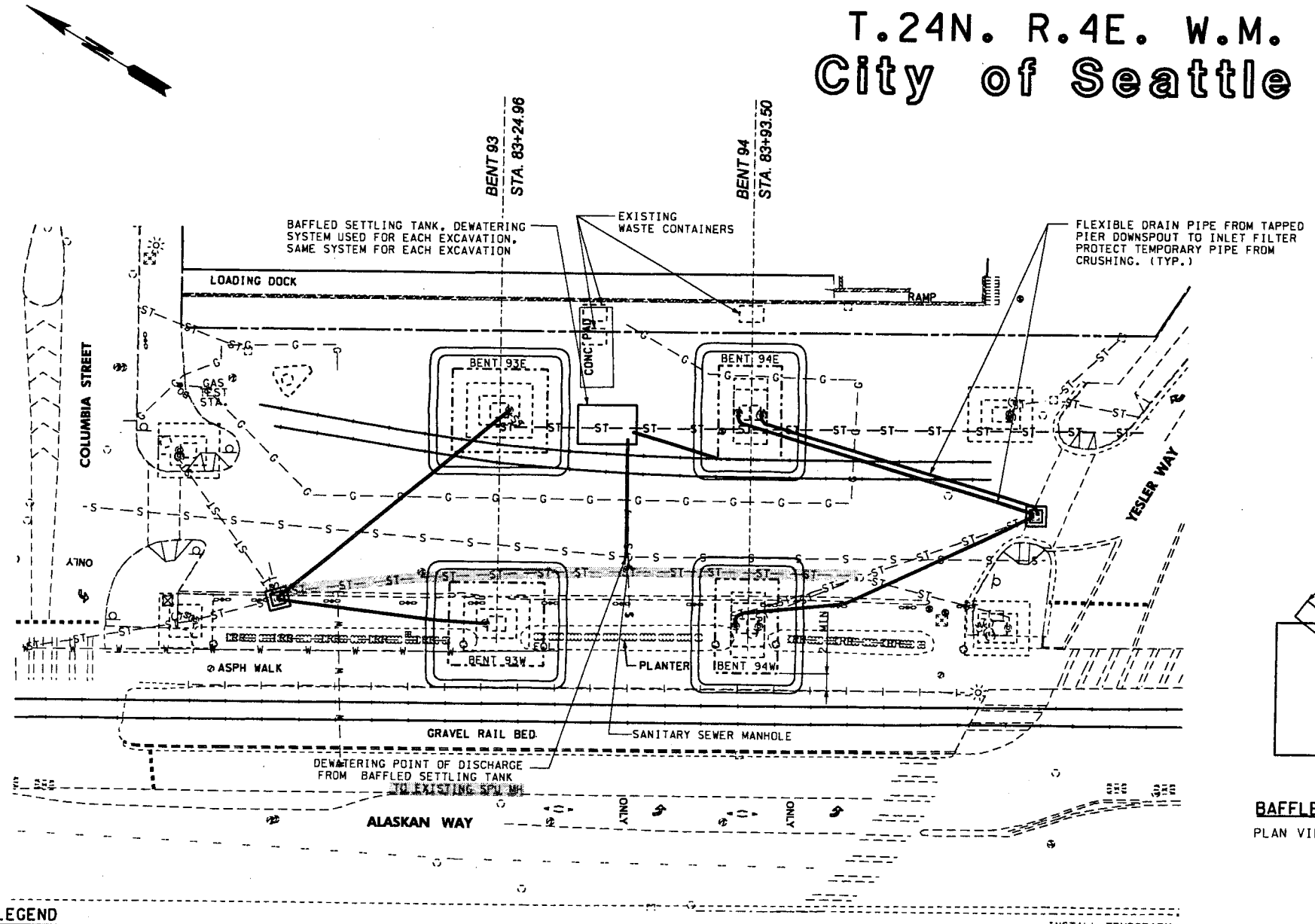
1. TEMPORARY NOISE SHIELD (TNS) SHALL FACE GRATED SURFACE TOWARD THE CONSTRUCTION EQUIPMENT OR NOISE SOURCE.
2. THE TNS GRATED SURFACE SHALL BE BUILT USING CEDAR LATTICE OR BEVEL CEDAR GRATING AT 45 DEGREE ANGLE. ALTERNATE MATERIAL SHALL BE APPROVED BY THE ENGINEER.
3. THE TNS SHALL BE CONSTRUCTED IN 8 ft. X 8 ft. UNITS OR AS APPROVED BY THE ENGINEER.
4. WITH APPROVAL OF THE ENGINEER, THE CONFIGURATION OF THE TNS MAY BE ALTERED TO SUIT DIFFERENT WORK ZONE CONDITIONS IF THE ATTENUATION THRESHOLD IS NOT COMPROMISED.
5. THE TNS SHALL BE PLACED AS CLOSE TO THE NOISE SOURCE OR CONSTRUCTION EQUIPMENT AS FEASIBLE.
6. THE TNS SHALL BLOCK THE LINE OF SIGHT BETWEEN THE CONSTRUCTION EQUIPMENT OR NOISE SOURCE AND THE RECEIVER.

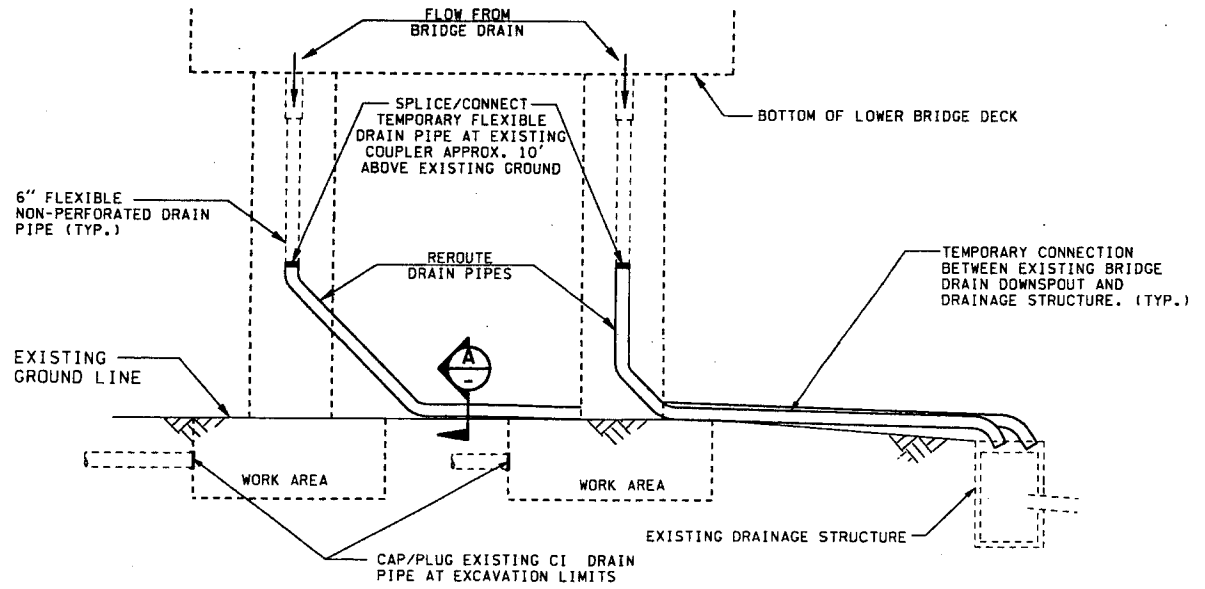
FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03626\L3082_MC_DE_EM.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Washington State Department of Transportation
TIME	2:40:22 PM				JOB NUMBER 07A805			SR 99 YESLER WAY VICINITY FOUNDATION STABILIZATION
DATE	7/30/2007				CONTRACT NO.		LOCATION NO.	ENVIRONMENTAL COMPLIANCE DETAIL
PLOTTED BY	gonzaly							EM4
DESIGNED BY	WSDOT							SHEET 12 OF 40 SHEETS
ENTERED BY	Y. GONZALEZ							
CHECKED BY	K. JONES							
PROJ. ENGR.	P. LACY							
REGIONAL ADM.	D. DYE	REVISION	DATE	BY				

PAUL D. LACY — STATE OF WASHINGTON — 19797 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/09 — 7/30/07 DATE — P.E. STAMP BOX

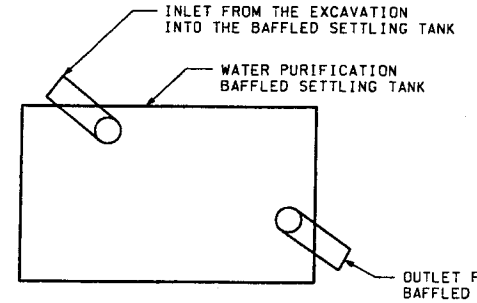
DATE — P.E. STAMP BOX

T.24N. R.4E. W.M.
City of Seattle





TEMPORARY DOWNSPOUT CONNECTION
N.T.S



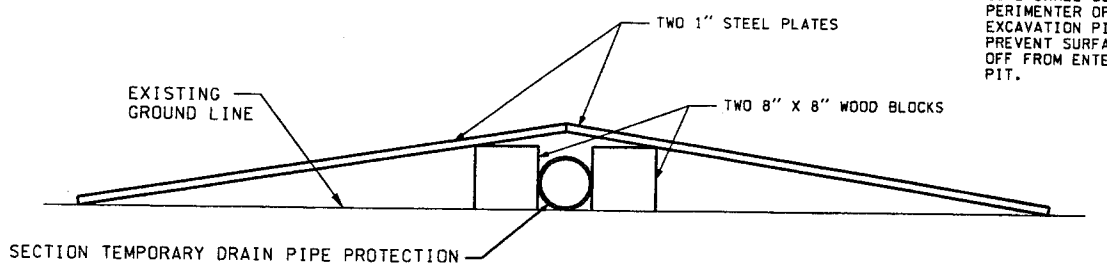
BAFFLED SETTLING TANK DETAIL
PLAN VIEW OF BAFFLED SETTLING TANK

TEMPORARY DRAINAGE NOTES:

1. TEMPORARY DOWNSPOUT CONNECTIONS SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF EXCAVATION WORK ON EACH PIER.
2. TEMPORARILY PLUGGING EXISTING DOWNSPOUTS DURING CONSTRUCTION IS NOT ALLOWED.
3. LEAKS IN THE TEMPORARY CONNECTIONS SHALL BE REPAIRED IMMEDIATELY.
4. REMOVE AND REPLACE EXISTING CAST IRON DRAIN PIPE WITH 6" SCH 40 PVC PER ASTM 1785 AS SHOWN ON SHEET DD1.
5. SEE STANDARD PLAN I-7, FOR STORM DRAIN INLET PROTECTION INSERT DETAILS.
6. VACTOR OUT SOLIDS AND STANDING WATER FROM EXISTING DOWNSTREAM CATCH BASIN BEFORE AND AFTER CLEANING WORK ON UPSTREAM DOWNSPOUT CONNECTIONS.
7. DURING JETTING OR RODDING WORK, VACTOR OR REMOVE ANY MATERIALS (WATER, SOLIDS) AT THE DOWNSTREAM END, AND DISPOSE OF ALL VACTOR MATERIALS PROPERLY. DO NOT DISCHARGE DECANT OR SOLIDS TO SEATTLE PUBLIC UTILITIES (SPU) SYSTEMS IN THE PROJECT AREA.
8. NOTIFY THE ENGINEER IMMEDIATELY IF ANY SPU INFRASTRUCTURE IS DAMAGED DURING CLEANING OPERATIONS. INFORM HERMAN SMITH OF SPU MAINTENANCE AT (206) 386-4006.
9. REFER TO NOTES ON SHEET EM3 AND DEWATERING SPECIAL PROVISION.

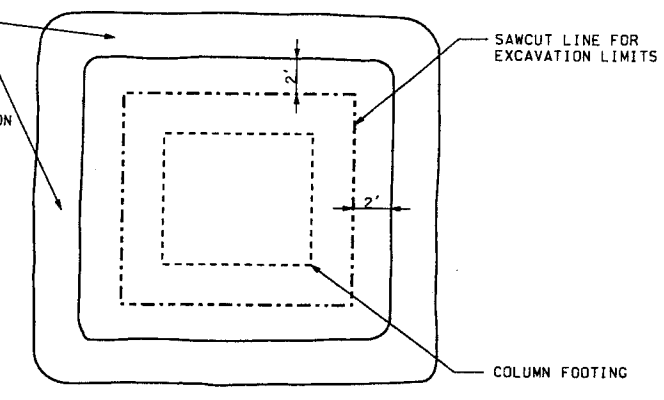
LEGEND

- -S— —S— - SANITARY SEWER
- -ST— —ST— - EXISTING STORM DRAIN
- —G— —G— EXISTING GAS
- IRR— —IRR— EXISTING IRRIGATION LINE
- W— —W— EXISTING WATER
- EOI EXISTING UNKNOWN UTILITY
- EXISTING RETAINING WALL
- EXISTING RAIL
- EXISTING EASEMENT
- LIMIT OF EXCAVATION
- TEMPORARY CURB
- CATCH BASIN
- JUNCTION BOX
- PARKING METER
- INLET PROTECTION
- FLEXIBLE DRAIN PIPE



SECTION: TEMPORARY PIPE PROTECTION (A)
N.T.S

INSTALL TEMPORARY CURB ON EXISTING PAVEMENT. TEMPORARY CURB SHALL SURROUND PERIMENTER OF EACH EXCAVATION PIT AND PREVENT SURFACE RUN OFF FROM ENTERING EXCAVATION PIT.



TEMPORARY CURB
PLAN VIEW OF TEMPORARY CURB PLACEMENT

GENERAL NOTES:

1. STOCKPILED SOIL EXPOSED TO RAIN SHALL BE COVERED.
2. THE LIMITS OF THE FOOTING EXCAVATION SHALL BE SWEPT FREE OF DEBRIS.
3. ALL STORM WATER RUNOFF IN THE PROJECT AREA, INCLUDING RUN-ON WATER FROM OFF-SITE AND VIADUCT RUNOFF FROM DOWNSPOUTS, SHALL BE ROUTED TO THE STORM DRAIN SYSTEM USING THE INLET STRUCTURES SHOWN. STORM WATER SHALL BE PREVENTED FROM ENTERING THE EXCAVATIONS AND MIXING WITH GROUNDWATER, PROCESS WATER, OR BOTH.
4. TEMPORARY CURB SHALL BE ASPHALT.
5. THIS TEMPORARY DRAIN PIPE PROTECTION IS SUGGESTED CONFIGURATION WHERE PROTECTION IS REQUIRED FOR VEHICULAR ACCESS. COST OF PROTECTION IS INCLUDED IN UNIT PRICE FOR DRAIN PIPE 6" DIAM.
6. ALL WORK SHALL COMPLY WITH THE CITY OF SEATTLE CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS MANUAL (JULY, 2000) KEPT AT ENGINEERS OFFICE.

NOT TO SCALE

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_PS_EC.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:53:01 AM				10	WASH	
DATE	8/15/2007				JOB NUMBER		
PLOTTED BY	gonzaly				07A805		
DESIGNED BY	S. SOBHANI				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. GONZALEZ						
CHECKED BY	S. SOBHANI						
PROJ. ENGR.	P. LACY	REVISIONS SHADED	8/14/07	YG			
REGIONAL ADM.	D. DYE	REVISION	DATE	BY			

PAUL D. LACY — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/09 — 8/15/07 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

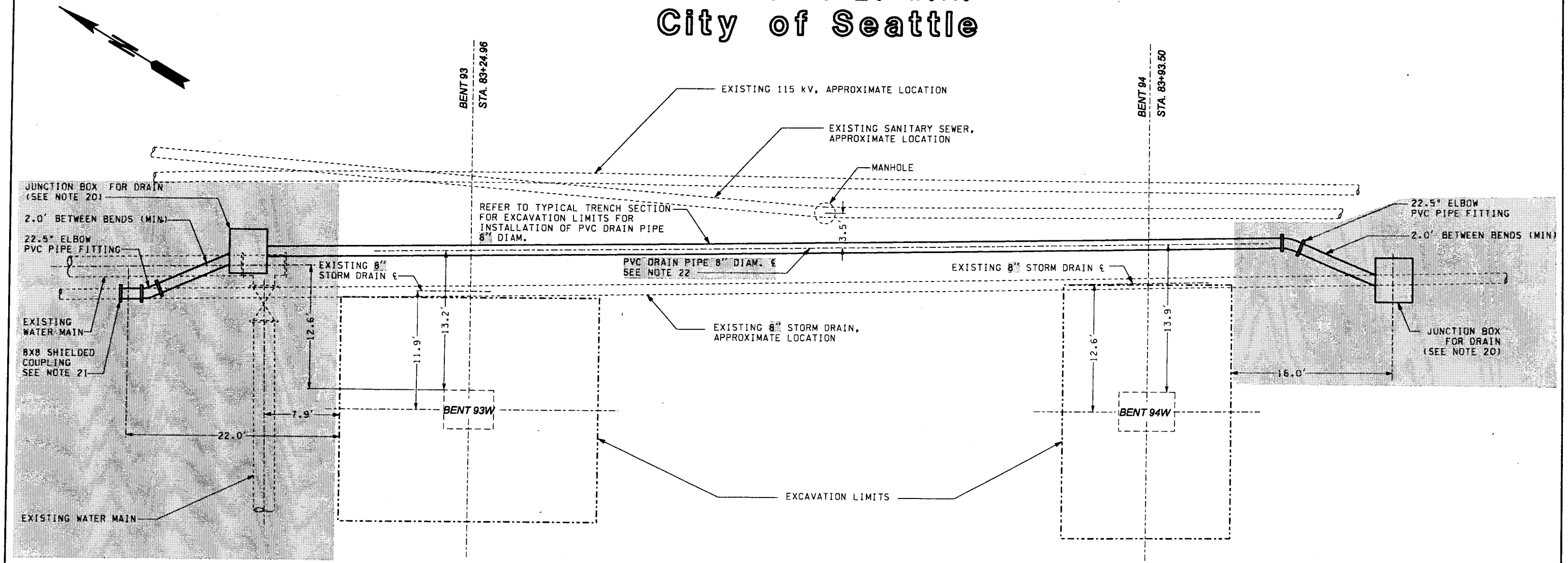
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

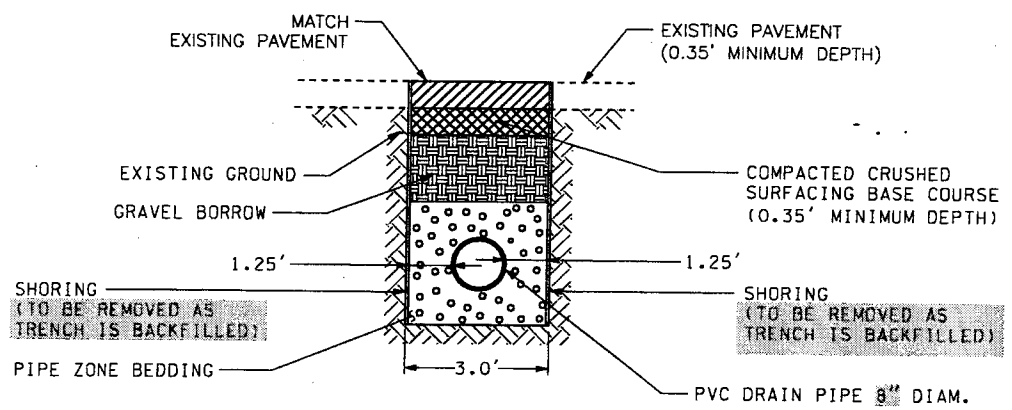
TESC PLAN

EC1

SHEET 13 OF 40 SHEETS

T.24N. R.4E. W.M.
City of Seattle





TYPICAL TRENCH SECTION
N.T.S

NOT TO SCALE

GENERAL NOTES:

12. REFER TO SHEET UT1 FOR ALL EXISTING UTILITY LOCATIONS.
13. SEE STANDARD PLAN B-55.20-00 FOR BACKFILL DETAILS.
14. PVC DRAIN PIPE 8" DIAM. TO BE CONSTRUCTED PARALLEL TO EXISTING 8" STORM DRAIN AT AN APPROXIMATE DISTANCE OF 4.0 FT.
15. REFER TO SHEET SP2 FOR REMOVAL OF EXISTING 8" STORM DRAIN.
16. PVC DRAIN PIPE 8" DIAM. SHALL MATCH GRADE OF EXISTING 8" STORM DRAIN TO ENSURE CONTINUOUS GRAVITY DRAINAGE.
17. SHORING TO BE COVERED UNDER SHORING OR EXTRA EXCAVATION CLASS B.
18. GRAVEL BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 2-09.3(1)E
19. PVC DRAIN PIPE 8" DIAM. SHALL BE PLACED NO FARTHER THAN THE DIMENSION STATED IN PLAN.
20. REFER TO CITY OF SEATTLE STANDARD PLANS NO 277 & NO 230.
21. SHIELDED COUPLING SHALL BE EITHER MISSION FLEX SEAL ARC MODEL, ROMAC LESS REPAIR CLAMP, OR FERNCO 1002 SERIES WITH A SHEAR RING / BAND.
22. 8" DRAIN PIPE SHALL BE REPLACED WITH 8" SCH 40 PVC PER ASTM 1785.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_PS_UT_03.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	11:22:02 AM				10	WASH	
DATE	8/15/2007				JOB NUMBER		
PLOTTED BY	gonzaly				07A805		
DESIGNED BY	L. BOYD				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. GONZALEZ						
CHECKED BY	K. JONES						
PROJ. ENGR.	P. LACY	REVISIONS SHADED	8/14/07	YG			
REGIONAL ADM.	D. DYE	REVISION	DATE	BY			

PAUL D. LACY — STATE OF WASHINGTON — 23753 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06/25/09
8/15/07
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

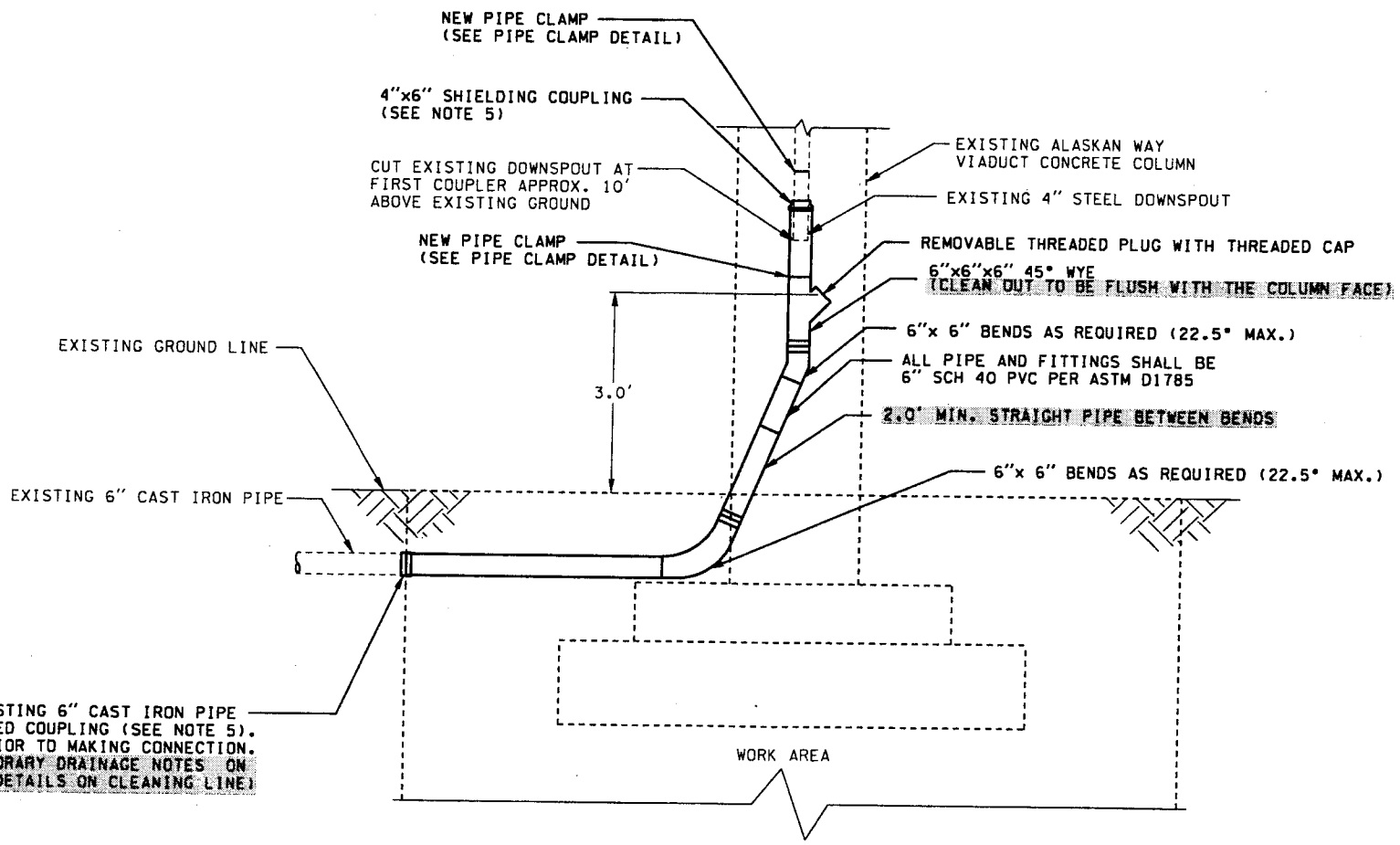
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

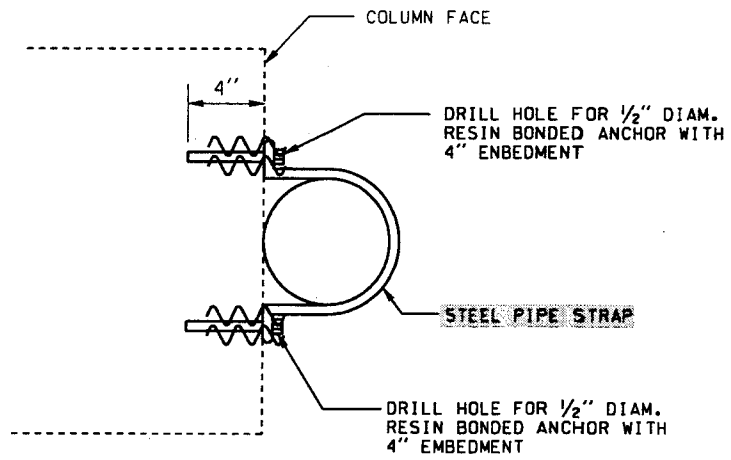
STORM DRAIN CONSTRUCTION

UT3

SHEET 14 OF 40 SHEETS



DRAIN PIPE REPAIR DETAIL
N.T.S.



PLAN VIEW OF
PIPE CLAMP HOLDING PIPE OFFSET
FROM COLUMN FACE TO CLEAR INTERFERENCES

PIPE CLAMP DETAIL
N.T.S.

GENERAL NOTES:

1. REPLACE/REINSTALL ALL PIPE CLAMPS DAMAGED OR REMOVED DURING CONSTRUCTION.
2. LOCATE THE RESIN BONDED ANCHORS FOR THE DRAIN ANCHORAGE TO CLEAR ALL EXISTING STEEL REINFORCING BARS IN THE CONCRETE COLUMN. IF INITIAL DRILLING ENCOUNTERS EXISTING STEEL REINFORCING BARS, THE HOLE SHALL BE COATED WITH TYPE II EPOXY BONDING AGENT CONFORMING TO SECTION 9-26.1, FILLED WITH GROUT CONFORMING TO SECTION 6-02.3(20), AND THE STRAP ANCHORAGE LOCATION SHIFTED TO CLEAR THE EXISTING STEEL REINFORCING BARS.
3. TWO BROKEN PIPE CLAMPS LOCATED ON BENT 93E TO BE REPLACED.
4. SHIELDED COUPLING SHALL BE EITHER MISSION FLEX SEAL ARC MODEL, ROMAC LSS REPAIR CLAMP, OR FERNCO 1002 SERIES WITH A SHEAR RING/BAND.
5. SEE SHEETS SP2 AND UT3 FOR DETAILS.
6. STEEL PIPE STRAPS SHALL MEET THE REQUIREMENTS OF SECTION 9-05.4(9)B.

NOT TO SCALE

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_DE_DR.dgn
TIME	10:54:16 AM
DATE	8/15/2007
PLOTTED BY	gonzaly
DESIGNED BY	S. SOBHANI
ENTERED BY	Y. GONZALEZ
CHECKED BY	S. SOBHANI
PROJ. ENGR.	P. LACY
REGIONAL ADM.	D. DYE

REVISIONS SHADED	8/14/07	YG
REVISION	DATE	BY

REGION NO.	STATE
10	WASH

JOB NUMBER 07A805
CONTRACT NO.
FED.AID PROJ.NO.
LOCATION NO.

PAUL D. LACY — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/25/09
8/15/07
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

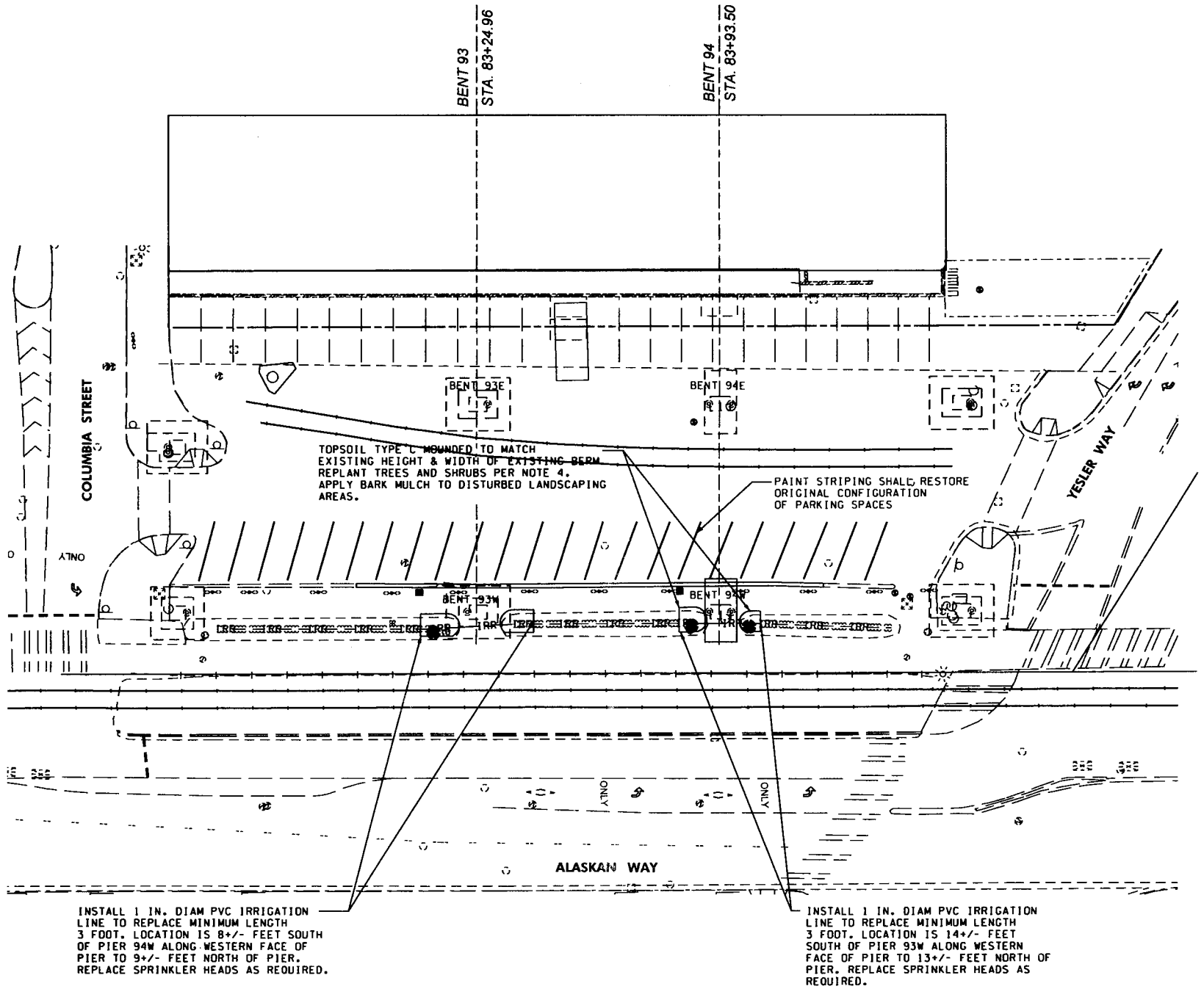
Washington State Department of Transportation

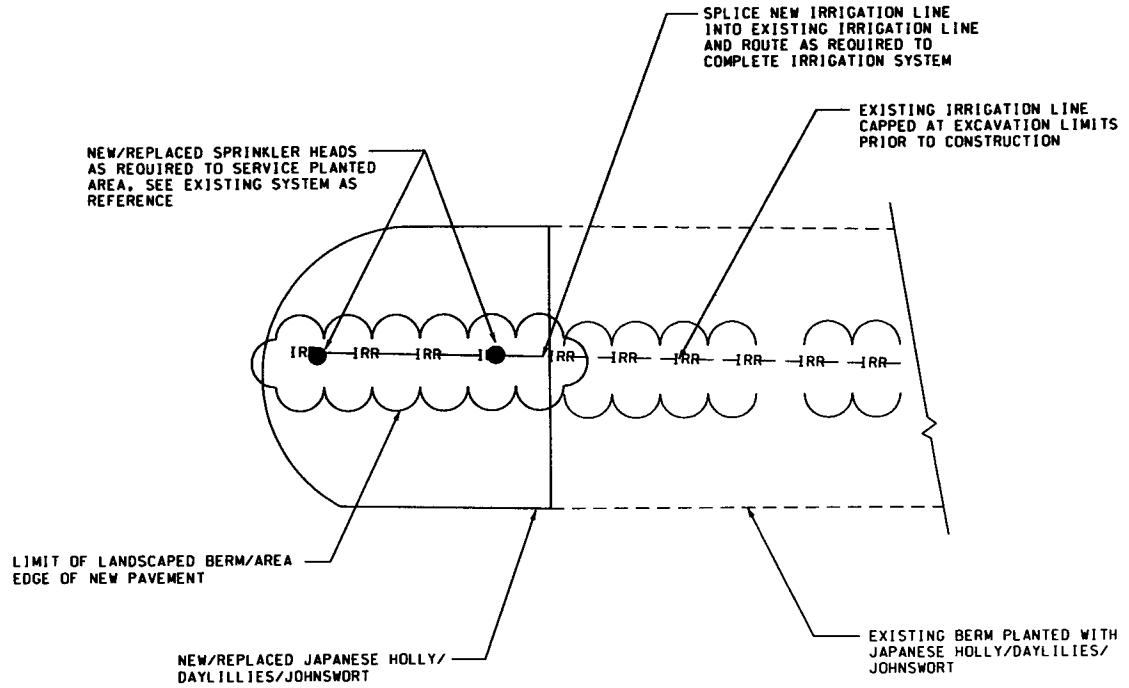
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

DRAINAGE DETAIL

PLOT1
DD1
SHEET 15 OF 40 SHEETS

T.24N. R.4E. W.M.
City of Seattle





LANDSCAPING DETAIL: 4 SIMILAR AREAS
N.T.S.

LEGEND

PROPOSED	EXISTING	
		SHRUB
●	○	TREE
IRR—IRR—	IRR— —IRR—	IRRIGATION LINE
	■	PARKING PAY STATION
		EXISTING EASEMENT

0 20 40
SCALE IN FEET

GENERAL NOTES:

1. IRRIGATION SYSTEM IN PLANTING STRIP CONTAINS 2-1/2" DIAM MAIN LINE, AND 1" DIAM LATERAL PIPES. PIPES ARE APPROXIMATELY PARALLEL TO THE BRIDGE. USE HAND METHODS TO EXCAVATE FOR REPAIRS, AND REPAIR ANY FURTHER DAMAGED LINES AT NO COST TO THE CONTRACTING AGENCY.
2. PORTION OF EXISTING IRRIGATION SYSTEM WITHIN EXCAVATION AREAS SHALL BE REPLACED WITH NEW LINES TO CONSTRUCT AN OPERATIONAL SYSTEM. NEW IRRIGATION LINES SHALL BE CONNECTED TO INTERCEPT EXISTING IRRIGATION SYSTEM AFTER ADJACENT MICROPILE INSTALLATION WORK COMPLETE.
3. WITHIN THE WORK ZONE, THE MAXIMUM NUMBER OF PARKING SPACES IMPACTED BY CONSTRUCTION ACTIVITIES IS LIMITED TO 22 PUBLIC SPACES AND 22 PRIVATE SPACES.
4. JAPANESE HOLLY/DAYLILLIES/JOHNSWORT SHALL BE REPLACED IN KIND.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03626\L3082_PS_LSMK.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	7:36:53 AM				10	WASH	
DATE	7/31/2007				JOB NUMBER		
PLOTTED BY	gonzaly				07A805		
DESIGNED BY	R. A. BEAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. GONZALEZ						
CHECKED BY	K. JONES						
PROJ. ENGR.	P. LACY						
REGIONAL ADM.	D. DYE	REVISION	DATE	BY			

PAUL D. LACY — STATE OF WASHINGTON — 29153 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/09
7/30/07 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

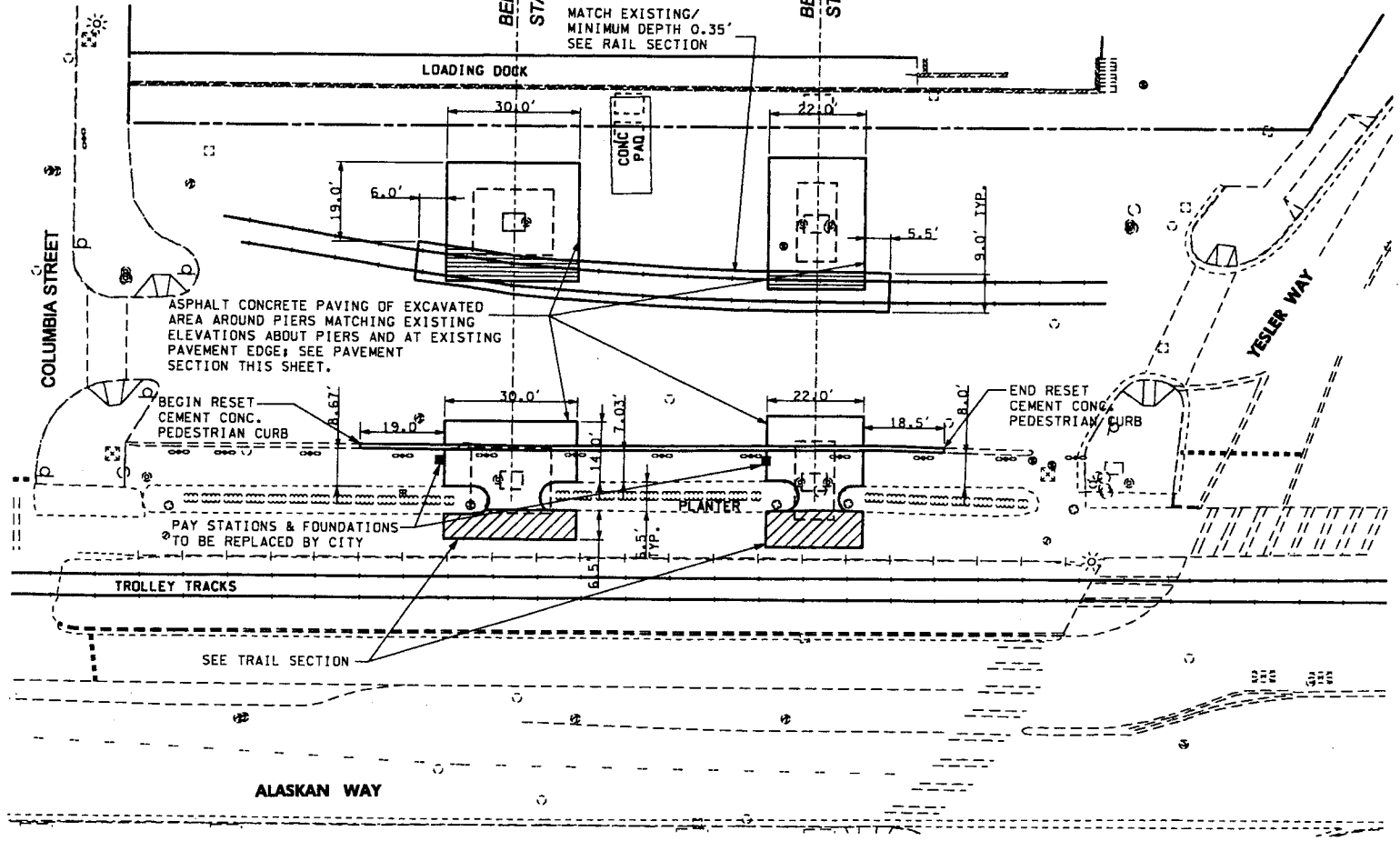
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

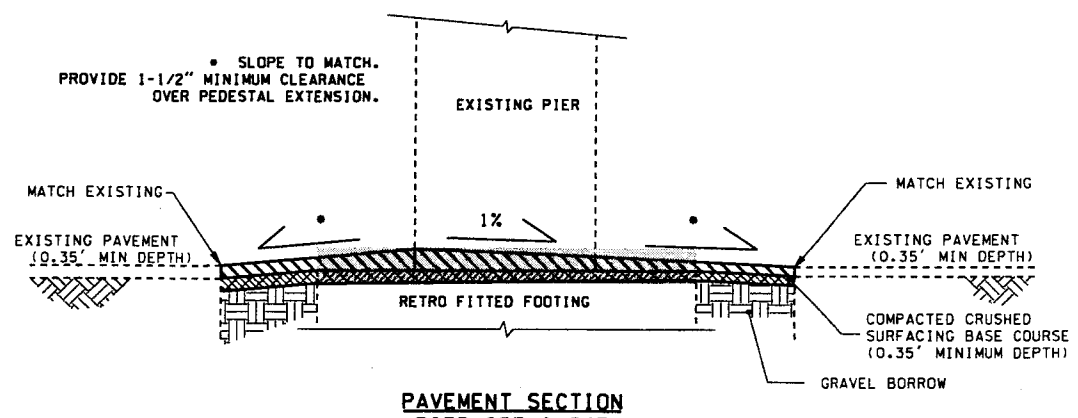
LANDSCAPE/PAVEMENT MARKINGS

LSMK1

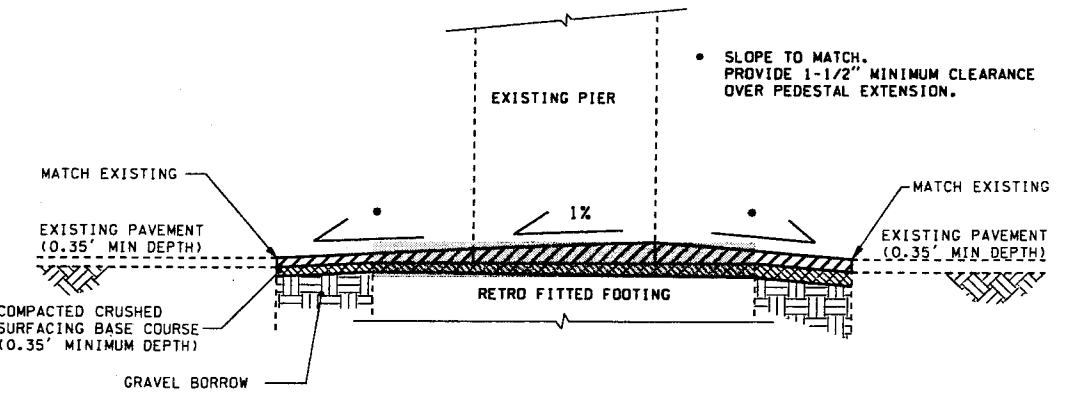
SHEET 16 OF 40 SHEETS

T.24N. R.4E. W.M.
City of Seattle





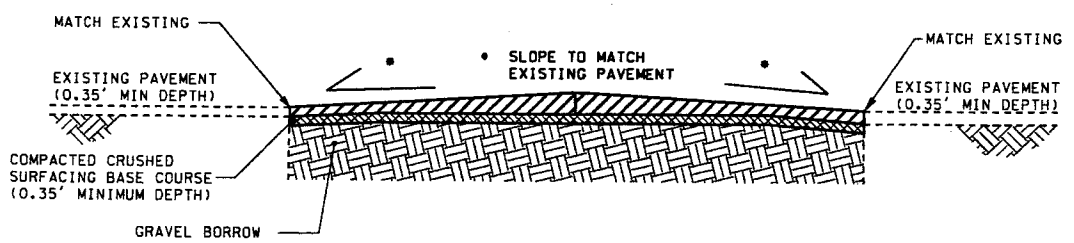
PAVEMENT SECTION
PIER 93E & 94E



TRAIL SECTION
PIER 93W & 94W

LEGEND

- EXISTING RETAINING WALL
- EXISTING RAIL
- EXISTING EASEMENT
- EXISTING CLINE ROW
- EXISTING WOODEN GUARD RAIL
- TREE
- SHRUBS
- PARKING PAY STATION
- EXISTING PRECAST CONCRETE CURB
- EXISTING CONDUIT W/ JUNCTION BOX
- EXISTING DOWNSPOUT
- WASTE CONTAINER
- SEE NOTE 6



RAIL SECTION
PAVEMENT REPAIR

0 20 40
SCALE IN FEET

GENERAL NOTES:

1. REPLACE SPECIFIED ASPHALT CONCRETE TRAIL SECTIONS AND PERFORM PAVEMENT REPAIR AS SHOWN IN THE PLANS.
2. DO NOT USE ROLLERS ON VIBRATORY MODE WHEN COMPACTING ASPHALT. SMALL HAND OPERATED EQUIPMENT FOR COMPACTING EDGES OF ASPHALT MAY BE USED.
3. USE CRUSHED SURFACE BASE COURSE AND NON VIBRATORY EMBANKMENT COMPACTION EQUIPMENT TO RE-GRADE AREA DISTRUBED IN THE VICINITY OF PIERS AND TRACK REMOVAL AREA (4 LOCATIONS). SMALL HAND OPERATED EQUIPMENT FOR COMPACTION MAY BE USED.
4. PAY STATION EQUIPMENT WILL BE REMOVED BY THE CITY OF SEATTLE AND STORED FOR REPLACEMENT. THE CITY WILL REPLACE BOTH, THE FOUNDATIONS AND EQUIPMENT WHEN APPLICABLE.
5. CEMENT CONC. PEDESTRIAN CURB SHALL CONFORM TO CITY OF SEATTLE STANDARD PLAN 414 "BLOCK TRAFFIC CURBS. PRECAST CEMENT CONCRETE" 414 C BLOCK.
6. THESE AREAS SHALL BE PAVED TWICE, ONCE TO RESTORE THE WORK AREA FOR PUBLIC USE PER SPECIAL PROVISION "SUSPENSION OF WORK" AND ONCE TO RESTORE THE WORK AREA FOR PUBLIC USE BEFORE COMPLETION OF WORK.

FILE NAME	C:\AAWork\PWwork\AWV\GonzalY\dms03962\AD_L3082_PS_PV.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	SR 99 YESLER WAY VICINITY FOUNDATION STABILIZATION
TIME	10:55:46 AM				JOB NUMBER 07A805			PV1
DATE	8/15/2007				CONTRACT NO.	LOCATION NO.		SHEET 17 OF 40 SHEETS
PLOTTED BY	gonzaly							
DESIGNED BY	R. A. BEAN							
ENTERED BY	Y. GONZALEZ							
CHECKED BY	K. JONES							
PROJ. ENGR.	P. LACY	REVISIONS SHADED	8/14/07	EM				
REGIONAL ADM.	D. DYE	REVISION	DATE	BY				

PAUL D. LACY — STATE OF WASHINGTON — 29793 REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06/25/09 — 8/15/07 DATE — P.E. STAMP BOX

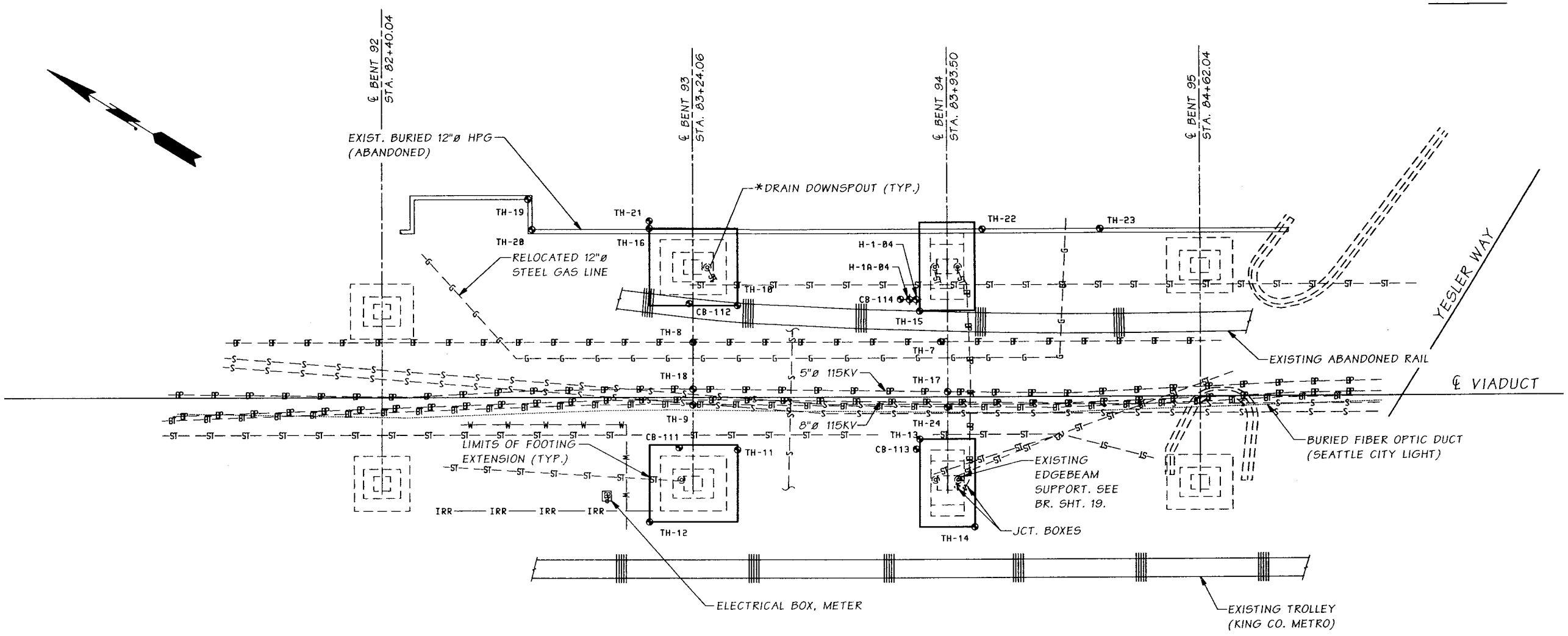
DATE — P.E. STAMP BOX

Washington State Department of Transportation

PAVING PLAN

SEC. 6, T.24N., R.4E., W.M.
CITY OF SEATTLE

SR 99



PLAN - BENTS 92 TO 95

MICROPILES NOT SHOWN

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION-ENGLISH DATED 2006, AND AMENDMENTS.
2. CONCRETE PATCHING MATERIAL SHALL CONFORM TO STD. SPEC. SECTION 9-20.2(2). ALL OTHER CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
3. UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONCRETE COVER MEASURED FROM THE FACE OF ANY REINFORCING STEEL SHALL BE 3" AT THE TOP, BOTTOM AND SIDES OF THE FOOTING, AND 1½" AT ALL OTHER LOCATIONS.
4. THE CONDUITS, JUNCTION BOXES AND UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL COORDINATE THESE PLANS WITH THE ELECTRICAL AND OTHER CIVIL PLANS.
5. THIS FOUNDATION STABILIZATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO STD. SPECS. FOR HIGHWAY BRIDGES, 17th EDITION 2002. THE SERVICE DESIGN LOAD FOR THE MICROPILES AT BENTS 93 AND 94 IS 95 TONS COMPRESSION. THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS AND DESIGN CALCULATIONS TO THE ENGINEER FOR APPROVAL AS SPECIFIED IN THE SPECIAL PROVISIONS. REFER TO THE SUMMARY OF GEOTECHNICAL CONDITIONS FOR SOIL AND GROUNDWATER INFORMATION.
6. THE DIMENSIONS SHOWN IN THE PLANS ARE BASED ON ORIGINAL CONSTRUCTION RECORDS, AS-BUILT PLANS AND FIELD SURVEY DATA. THESE DIMENSIONS AND ELEVATIONS SHALL BE MEASURED AND VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO FABRICATION.

LEGEND

- BORING
- UTILITY & FOUNDATION LOCATION TEST HOLE
- B / 15 — IDENTIFIES SECTION, VIEW OR DETAIL; TAKEN OR SHOWN ON BRIDGE SHEET 15
- B / — TAKEN OR SHOWN ON THE SAME SHEET

-W- -W- -W- -W- -W-	EXISTING WATER LINE
-ST- -ST- -ST- -ST- -ST-	EXISTING STORM DRAIN
-S- -S- -S- -S- -S-	EXISTING SANITARY SEWER
-BT- -BT- -BT- -BT- -BT-	EXISTING BURIED TELEPHONE
-BF- -BF- -BF- -BF- -BF-	EXISTING BURIED FIBER
-BP- -BP- -BP- -BP- -BP-	EXISTING BURIED POWER
-G- -G- -G- -G- -G-	EXISTING GAS
.....	EXISTING FIBER OPTIC DUCT
-IRR- -IRR- -IRR- -IRR- -IRR-	EXISTING IRRIGATION

LOADING: HS-20

DATUM
N.A.V.D. OF 1988

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\LAYOUT.WND					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT						10	WASH.			
Designed By	Swett, GD						JOB NUMBER 07A805				
Checked By	Gallagher, P										
Detailed By	Schicchi, V.B.										
Bridge Projects Engr.											
Prelim. Plan By											
Architect/Specialist		DATE	REVISION		BY	APP'D					

Mon Jul 23 13:39:13 2007

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — 22458 — REGISTERED PROFESSIONAL ENGINEER
7-23-07 EXPIRES 5/19/08

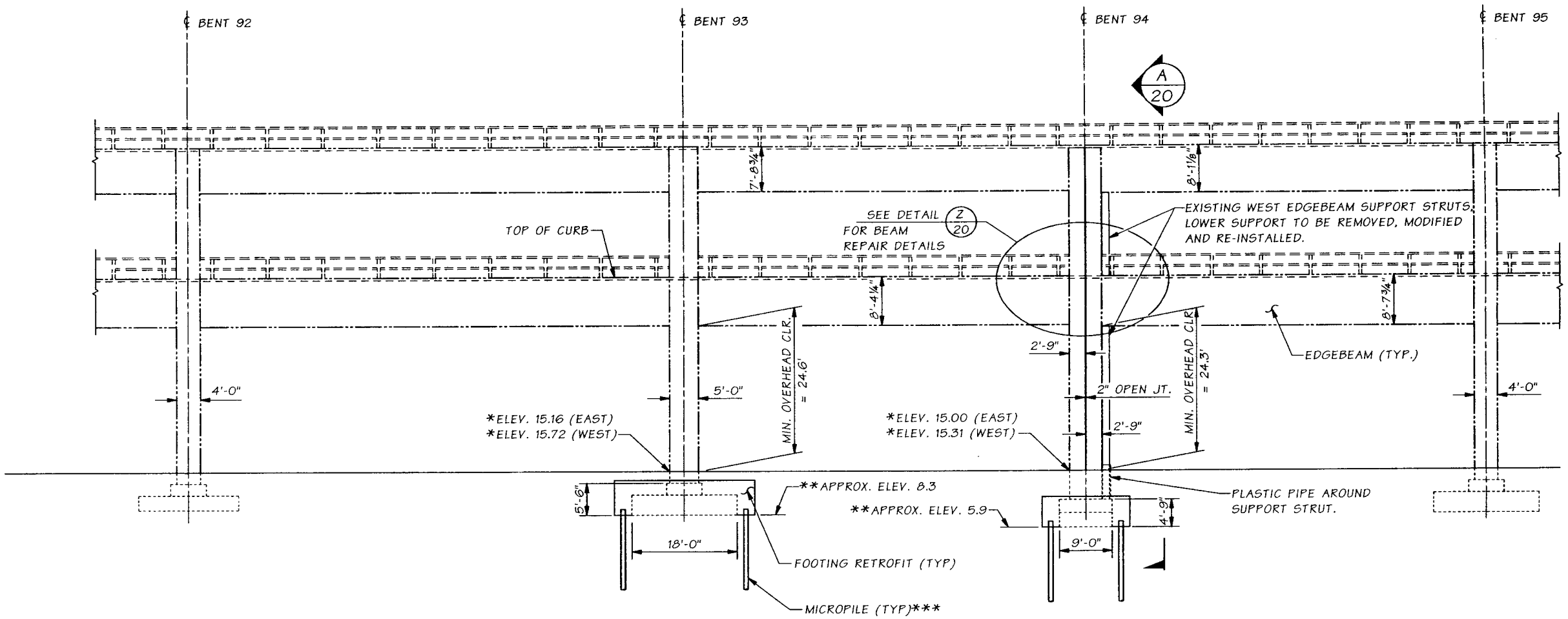
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

LAYOUT - PLAN

BRIDGE SHEET NO. 1
SHEET 18 OF 40 SHEETS

SR 99 JOB NO. 7021 SHEET 1



ELEVATION FOR BENT NO. 92 TO BENT NO. 95

(FACING EAST)

* ELEVATIONS ARE AVERAGE GROUND ELEVATIONS AT EACH COLUMN.

** APPROXIMATE ELEVATIONS BASED ON AVAILABLE AS-BUILT AND TEST HOLE DATA.

*** EXISTING STEEL H-PILES NOT SHOWN.

DATUM

NAVD 88

SR 99 JOB NO. 7021 SHEET 2

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\LAYOUT ELEV.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.			
Designed By	Swett, GD				JOB NUMBER 07A805				
Checked By	Gallagher, P								
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Mon Jul 23 13:39:16 2007

GEOFFREY D. SWETT — STATE OF WASHINGTON — 32660 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 9/7/08

BRIDGE AND STRUCTURES OFFICE

7-23-07

JUGDESH KAPUR — STATE OF WASHINGTON — 15480 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08

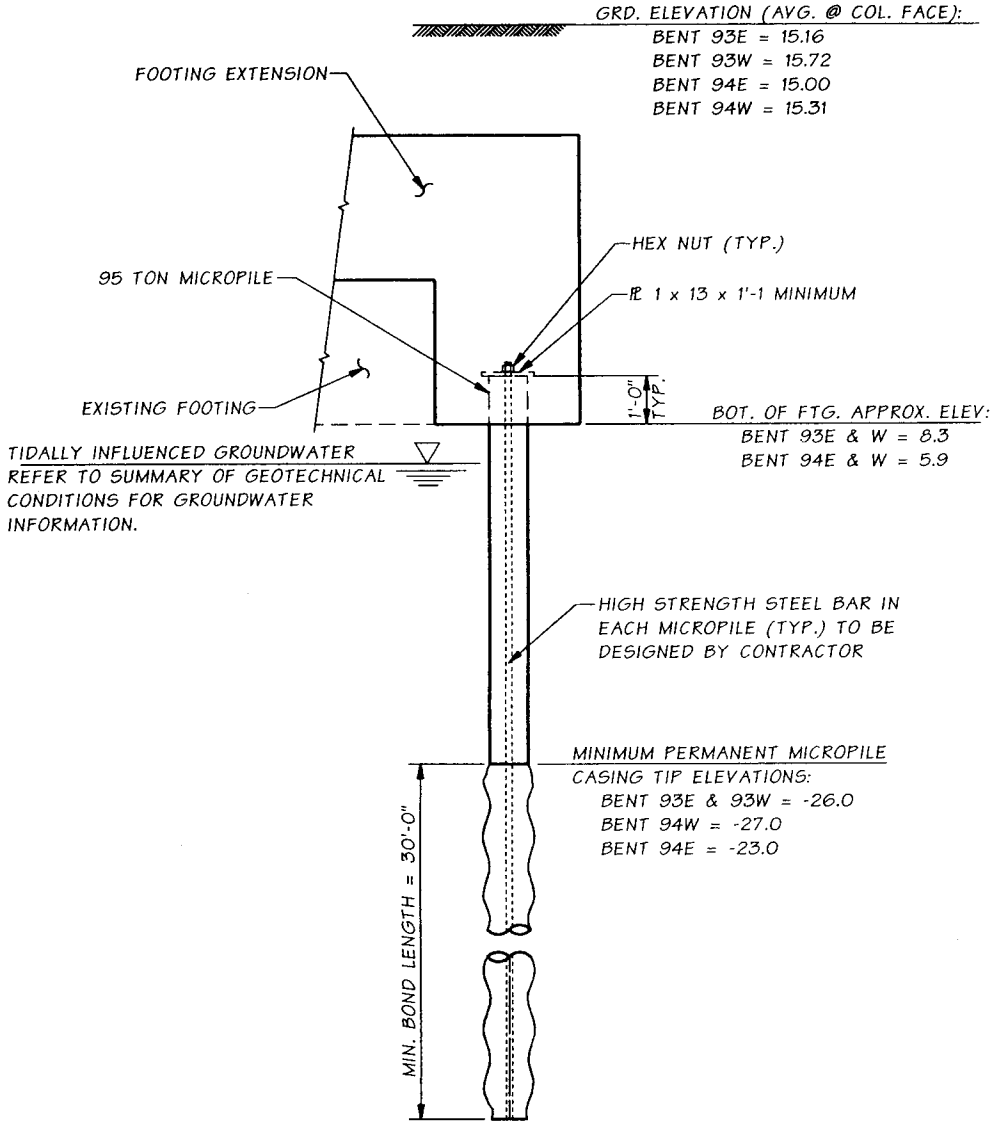
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

ELEVATION

BRIDGE SHEET NO. 2

SHEET 19 OF 40 SHEETS

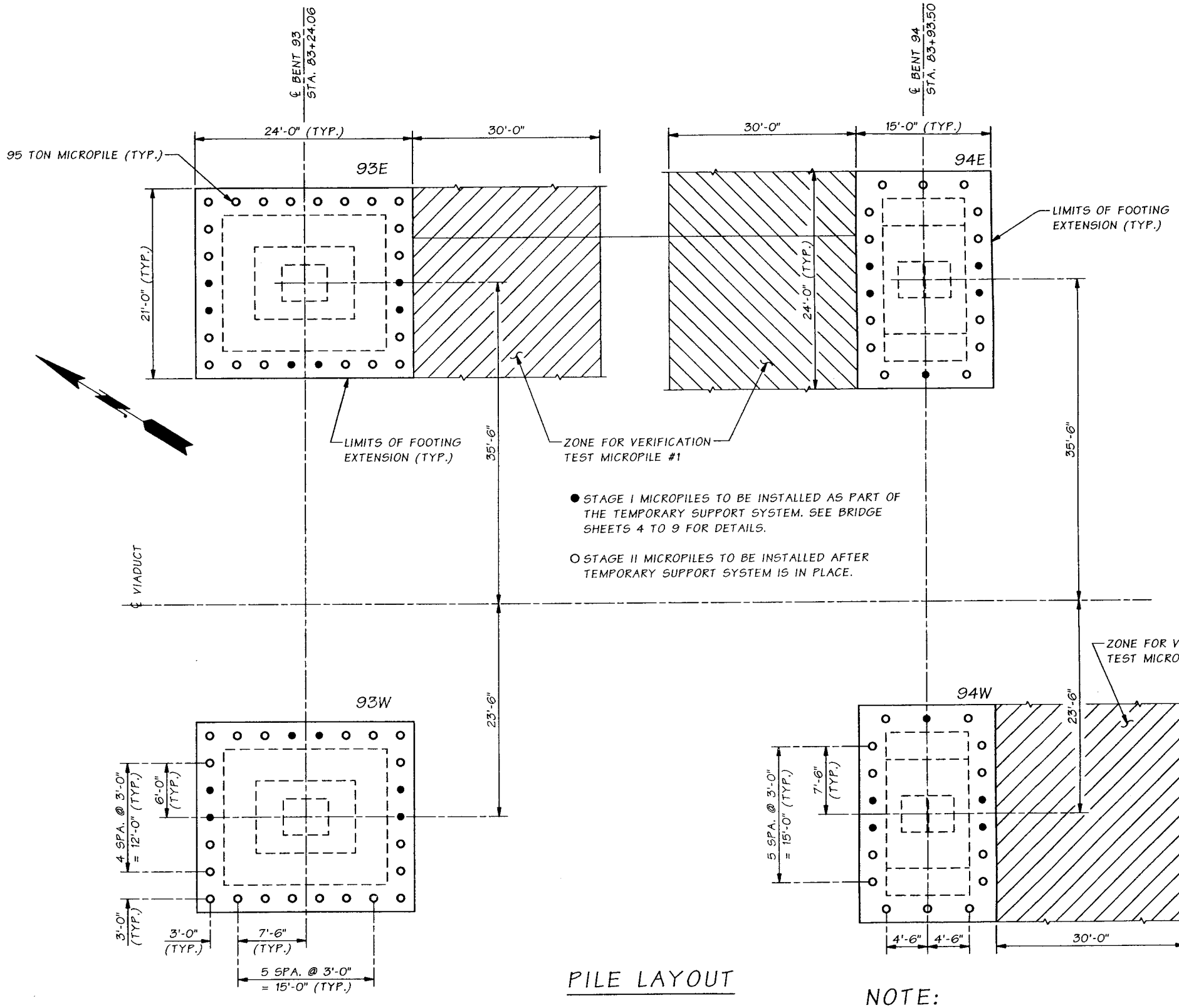


TYPICAL PILE ELEVATION

STAGE II MICROPILE. SEE BRIDGE SHEET 5 FOR STAGE I MICROPILE DETAILS.

DATUM

NAVD 88



PILE LAYOUT

NOTE:

THE ENGINEER WILL SELECT A MINIMUM OF TWO MICROPILE LOCATIONS AT EACH FOOTING FOR PROOF LOAD TESTING.

SR 99 JOB NO. 7021 SHEET 3

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\MICRO PILE LAYOUT.WND							
Supervisor	Clarke, PT								
Designed By	Swett, GD								
Checked By	Gallagher, P								
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 07A805				

Mon Jul 23 13:39:17 2007

GEOFFREY D. SWETT — STATE OF WASHINGTON — 35866 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 7/23/07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — 25400 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

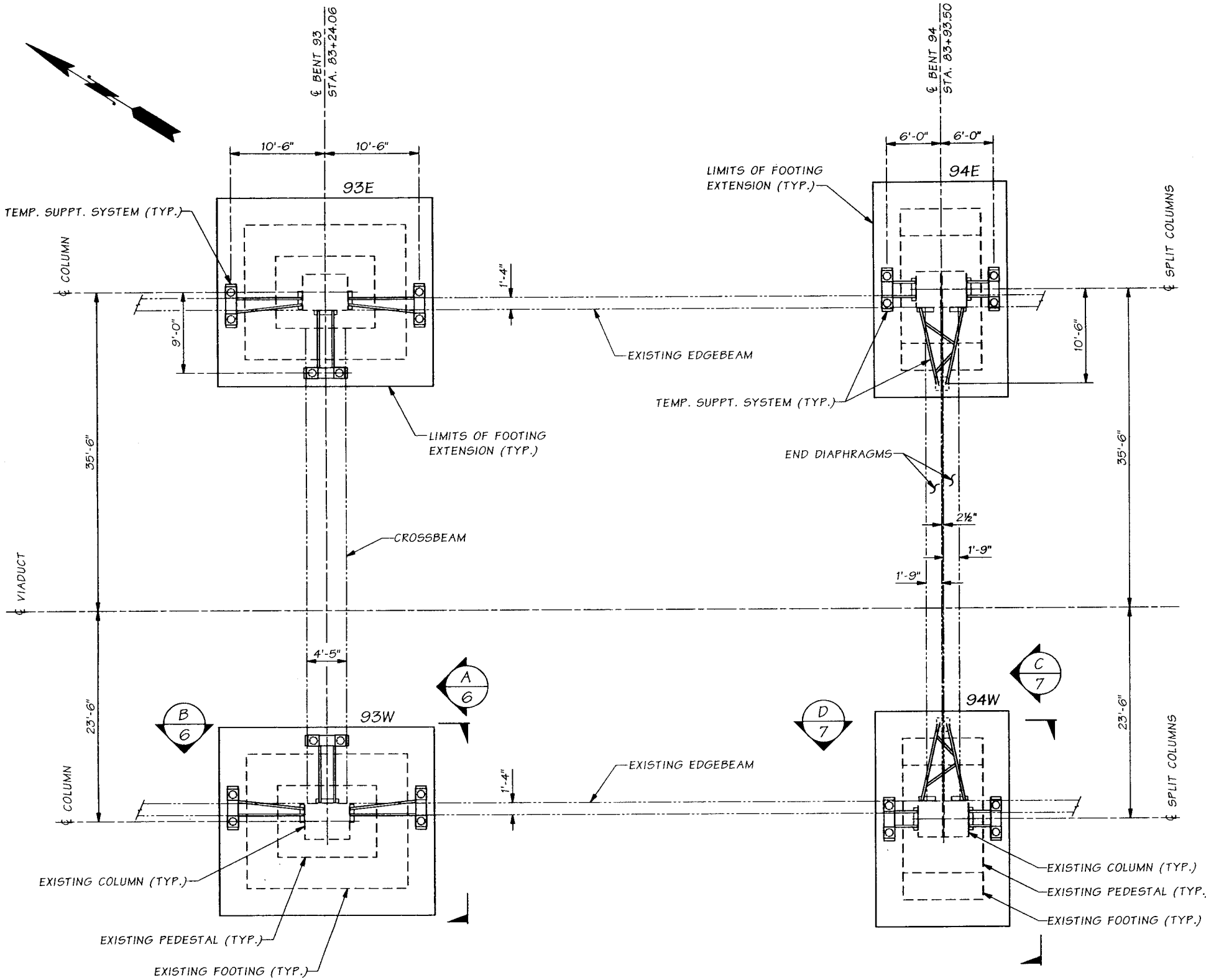
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

PILE LAYOUT - BENTS 93 & 94

BRIDGE SHEET NO. 3

SHEET 20 OF 40 SHEETS



PLAN - TEMPORARY SUPPORT SYSTEM LAYOUT

TEMPORARY SUPPORT SYSTEM GENERAL NOTES

1. THE TEMPORARY SUPPORT SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION 2007 AND THE AISC MANUAL OF STEEL CONSTRUCTION, 13TH EDITION. THE TEMPORARY SUPPORT SYSTEM HAS BEEN DESIGNED FOR THE LOADS AS DESCRIBED IN NOTES 2 AND 3. THIS TEMPORARY SUPPORT SYSTEM IS A PROPOSED SYSTEM. THE CONTRACTOR MAY PROPOSE ALTERNATE MEMBER SIZES, CONNECTIONS OR OTHER MODIFICATIONS TO THE SUPPORT SYSTEM IN ACCORDANCE WITH SECTION 6-01.9 OF THE STANDARD SPECIFICATIONS.
2. EACH TEMPORARY SUPPORT SYSTEM UNIT AT BENT 93E AND 93W HAS BEEN DESIGNED FOR THE FOLLOWING LOADS:
   - SERVICE VERTICAL LOAD = 290 KIPS
   - SERVICE WIND LOAD = 50 PSF
   - LATERAL LOAD = 5% OF SERVICE VERTICAL LOAD
3. EACH TEMPORARY SUPPORT SYSTEM UNIT AT BENT 94E AND 94W HAS BEEN DESIGNED FOR THE FOLLOWING LOADS:
   - SERVICE VERTICAL LOAD = 200 KIPS
   - SERVICE WIND LOAD = 50 PSF
   - LATERAL LOAD = 5% OF SERVICE VERTICAL LOAD
4. AS PART OF THE MICROPILE DESIGN SUBMITTAL, THE CONTRACTOR SHALL DESIGN TEMPORARY BRACING FOR THE STAGE I MICROPILES, IN BOTH HORIZONTAL PLANES, ALONG THE LENGTH EXTENDING FROM THE BOTTOM OF THE FOOTING TO THE BASE OF THE TEMPORARY SUPPORT SYSTEM. ALL BRACING TO THE EXISTING FOOTING OR COLUMN SHALL BE DESIGNED TO NOT INTERFERE WITH THE PERMANENT REHABILITATION WORK.

BRIDGE REHABILITATION WORK INSTALLATION AND REMOVAL SEQUENCE

1. REPAIR CROSSBEAMS AND EDGEBEAMS IN ACCORDANCE WITH THE DETAILS SHOWN ON BR. SHT. 20.
2. EXCAVATE TO A MINIMUM OF 6" BELOW EXISTING FOOTING PEDESTALS AT THE LOCATIONS OF THE STAGE I MICROPILES TO BE USED IN THE TEMPORARY SUPPORT SYSTEM. SHORE FOR EXCAVATION AT BENT 94E AND 94W (~5' TO 6' EXCAVATION REQUIRED).
3. INSTALL STAGE I MICROPILES IN ACCORDANCE WITH THE DETAILS SHOWN ON BR. SHT. 5.
4. WELD TOP PLATE TO STAGE I MICROPILES AND SNUG TIGHTEN H.S. BAR NUTS.
5. INSTALL TEMPORARY SUPPORT SYSTEM IN ACCORDANCE WITH THE DETAILS SHOWN ON BR. SHTS. 6 THROUGH 9. STAGE I MICROPILES SHALL CURE A MINIMUM OF 3 DAYS PRIOR TO INSTALLING TEMPORARY SUPPORT SYSTEM.
6. COMPLETE EXCAVATION FOR FOOTING REHABILITATION AND INSTALL ALL STAGE II MICROPILES IN ACCORDANCE WITH DETAILS SHOWN ON BR. SHT. 3. THE CONTRACTOR SHALL USE EXTREME CARE WHEN EXCAVATING AROUND STAGE I MICROPILES. HAND TOOL EXCAVATION WILL BE REQUIRED BETWEEN PAIRS OF STAGE I MICROPILES.
7. COMPLETE FOOTING REHABILITATION INCLUDING PLACEMENT OF FOOTING CONCRETE. PROVIDE RECESS AROUND TEMPORARY SUPPORT SYSTEM VERTICAL POSTS IN ACCORDANCE WITH DETAILS ON BR. SHT. 5.
8. AFTER FOOTING HAS OBTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, CUT OFF AND REMOVE TEMPORARY SUPPORT SYSTEM. FILL IN RECESSES IN FOOTINGS WITH GROUT CONFORMING TO SECTION 6-02.3(20).
9. RE-INSTALL TEMPORARY SUPPORT STRUT AT BENT 94W AND BACKFILL ALL FOOTINGS.

SR 99 JOB NO. 7021 SHEET 4

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\SHORING PLAN.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD 06/07									
Checked By						JOB NUMBER 07A805				
Detailed By	Schicchi, VB 06/07									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:18 2007

GEOFFREY A. SWETT — STATE OF WASHINGTON — 20202 — PROFESSIONAL ENGINEER — EXPIRES 8/7/08

BRIDGE AND STRUCTURES OFFICE

7-23-07

JUGESH KAPUR — STATE OF WASHINGTON — 20202 — PROFESSIONAL ENGINEER — EXPIRES 5/19/08

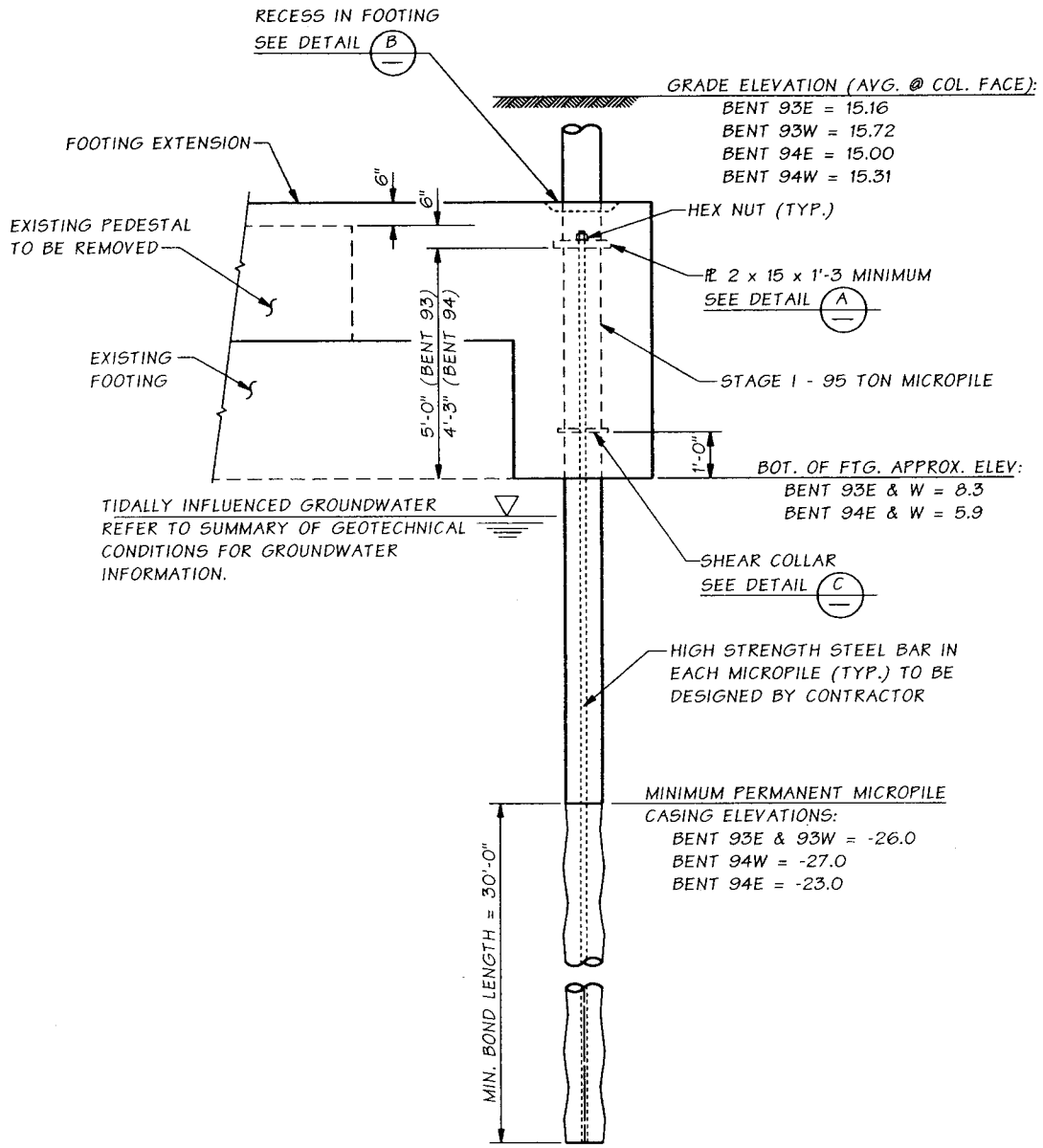
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

PLAN
TEMPORARY SUPPORT SYSTEM

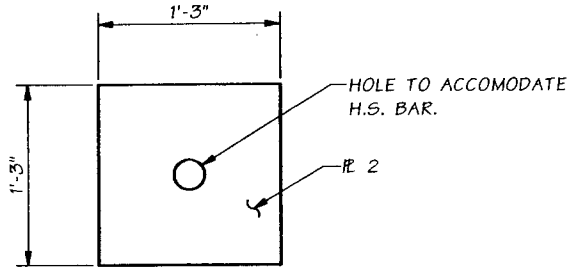
BRIDGE SHEET NO. 4

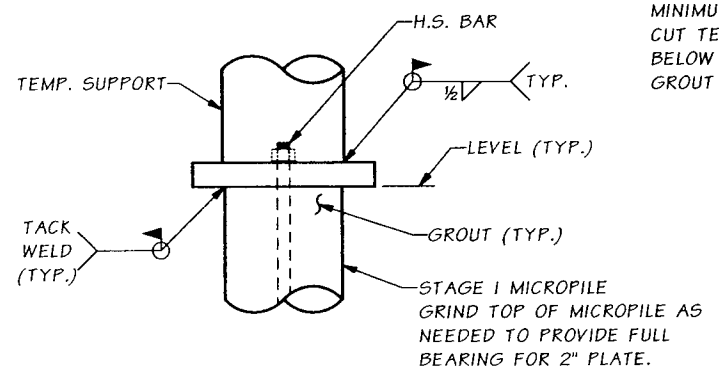
SHEET 21 OF 40 SHEETS



TYPICAL PILE ELEVATION

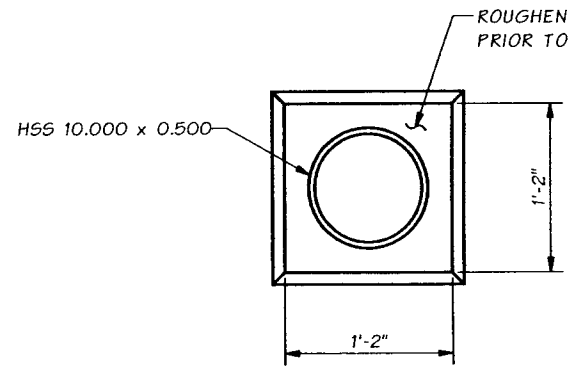
STAGE I MICROPILE



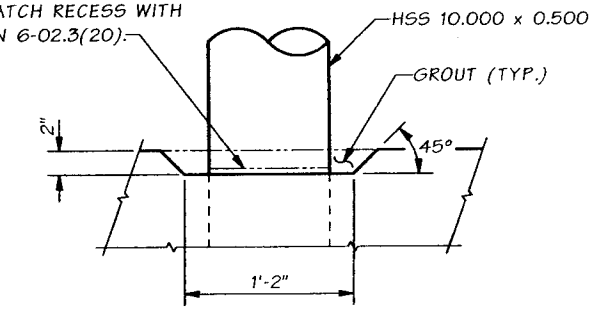


DETAIL A

TOP PLATE DETAIL

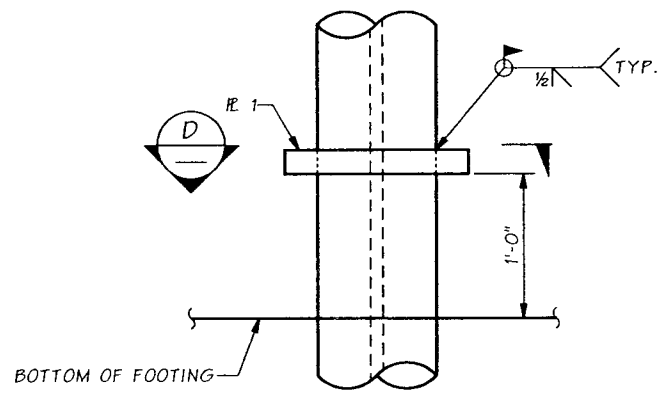


AFTER FOOTING CONCRETE HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, CUT TEMPORARY SUPPORT POST A MINIMUM OF 1½" BELOW TOP OF FOOTING AND PATCH RECESS WITH GROUT CONFORMING TO SECTION 6-02.3(20).

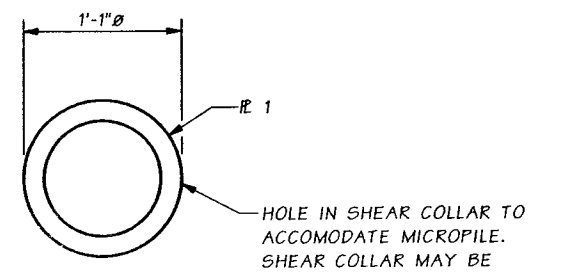


DETAIL B

FOOTING RECESS DETAIL
STAGE I MICROPILES



DETAIL C



SECTION D

SHEAR COLLAR

SR 99 JOB NO. 7021 SHEET 5

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\MICRO PILE LAYOUT STG 2.WNC			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.			
Designed By	Swett, GD 06/07				JOB NUMBER 07A805				
Checked By									
Detailed By	Schicchi, VB 07/07								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Mon Jul 23 13:39:19 2007

BRIDGE AND STRUCTURES OFFICE

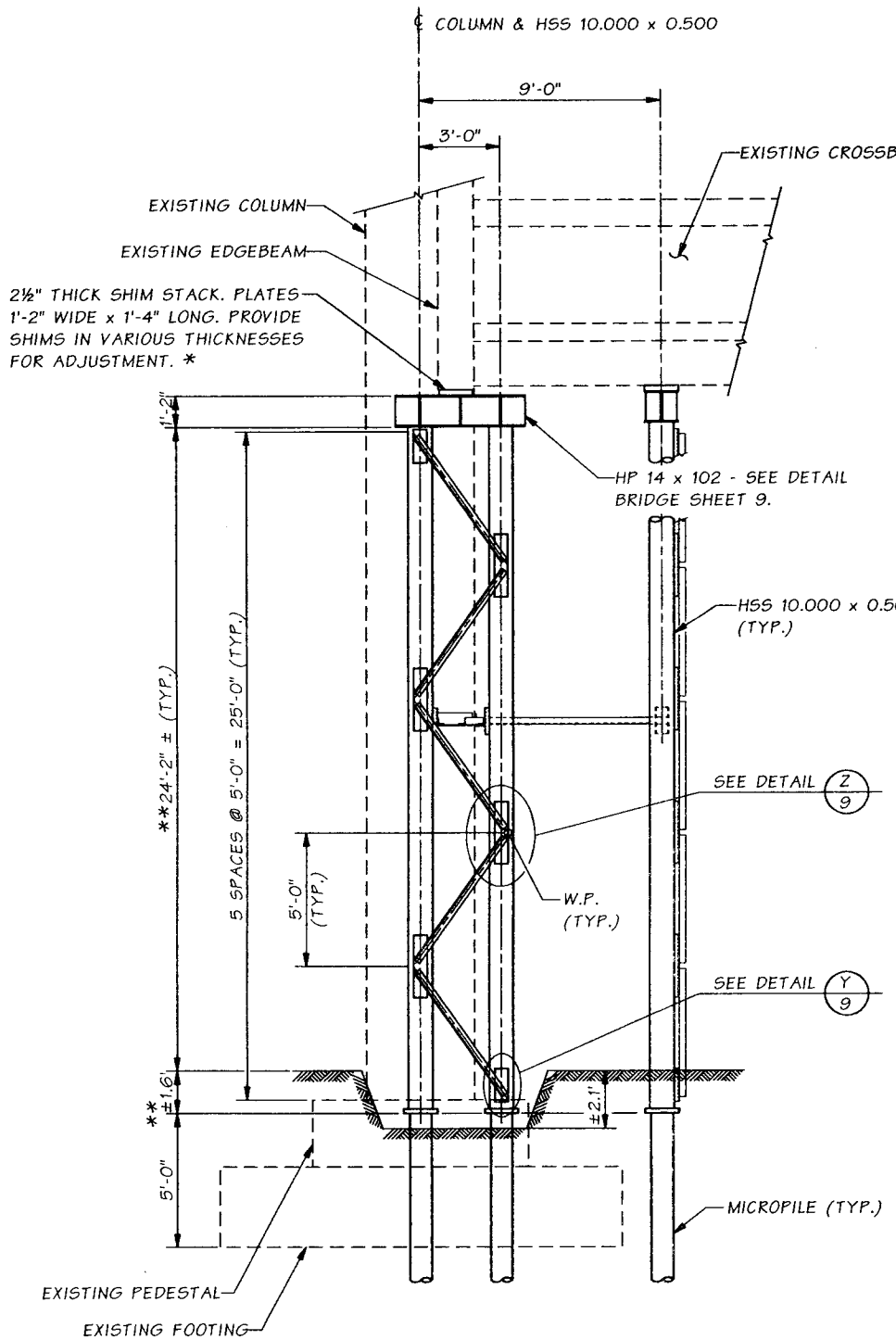
7-23-07

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

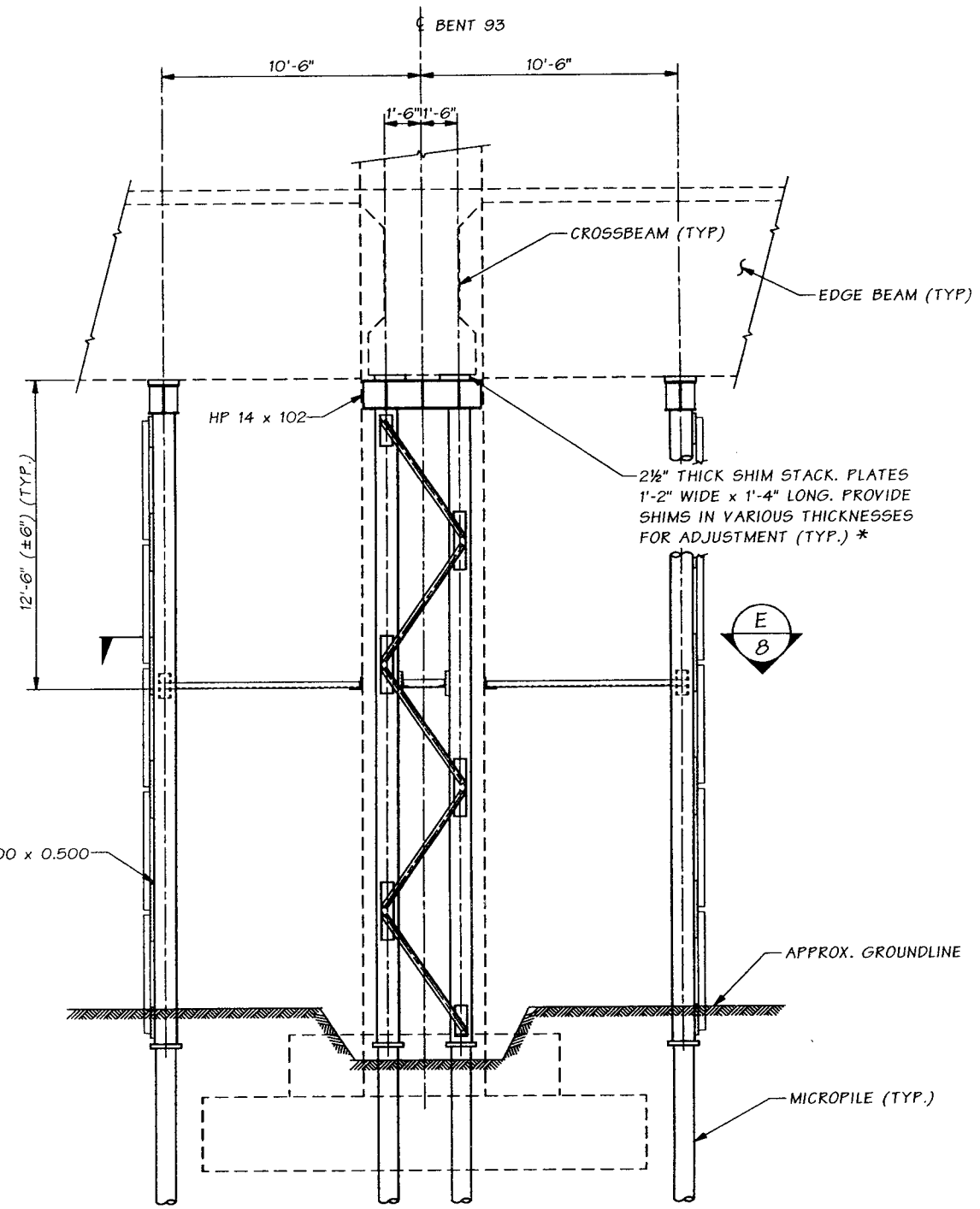
STAGE I PILES
BENTS 93 & 94

BRIDGE SHEET NO. 5
SHEET 22 OF 40 SHEETS



SECTION A 4

BENT 93W SHOWN, BENT 93E SIMILAR.



SECTION B 4

BENT 93W SHOWN, BENT 93E SIMILAR.

* AFTER TEMPORARY SUPPORT SYSTEM IS IN PLACE, PROVIDE ENOUGH SHIMS FOR A SNUG TIGHT FIT BETWEEN THE CONCRETE AND STEEL SUPPORT. INSTALL A ¾" THICK NEOPRENE SHEET (50 DUROMETER) BETWEEN SHIMS AND CONCRETE TO COMPENSATE FOR CONCRETE IRREGULARITIES AND LIVE LOAD DEFLECTIONS. TACK WELD SHIMS IN PLACE TO PREVENT SHIMS FROM DISLODGING.

**FIELD VERIFY REQUIRED TEMPORARY SUPPORT POST LENGTH (TYP.)

SR 99 JOB NO. 7021 SHEET 6

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\window files\SHORING DETAILS.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD 06/07					JOB NUMBER 07A805				
Checked By										
Detailed By	Schicchi, VB 06/07									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

GEOFFREY D. SCHICCHI — STATE OF WASHINGTON — 23360 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08

BRIDGE AND STRUCTURES OFFICE

7-23-07

SUGESH KAPUR — STATE OF WASHINGTON — 20486 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08

Washington State Department of Transportation

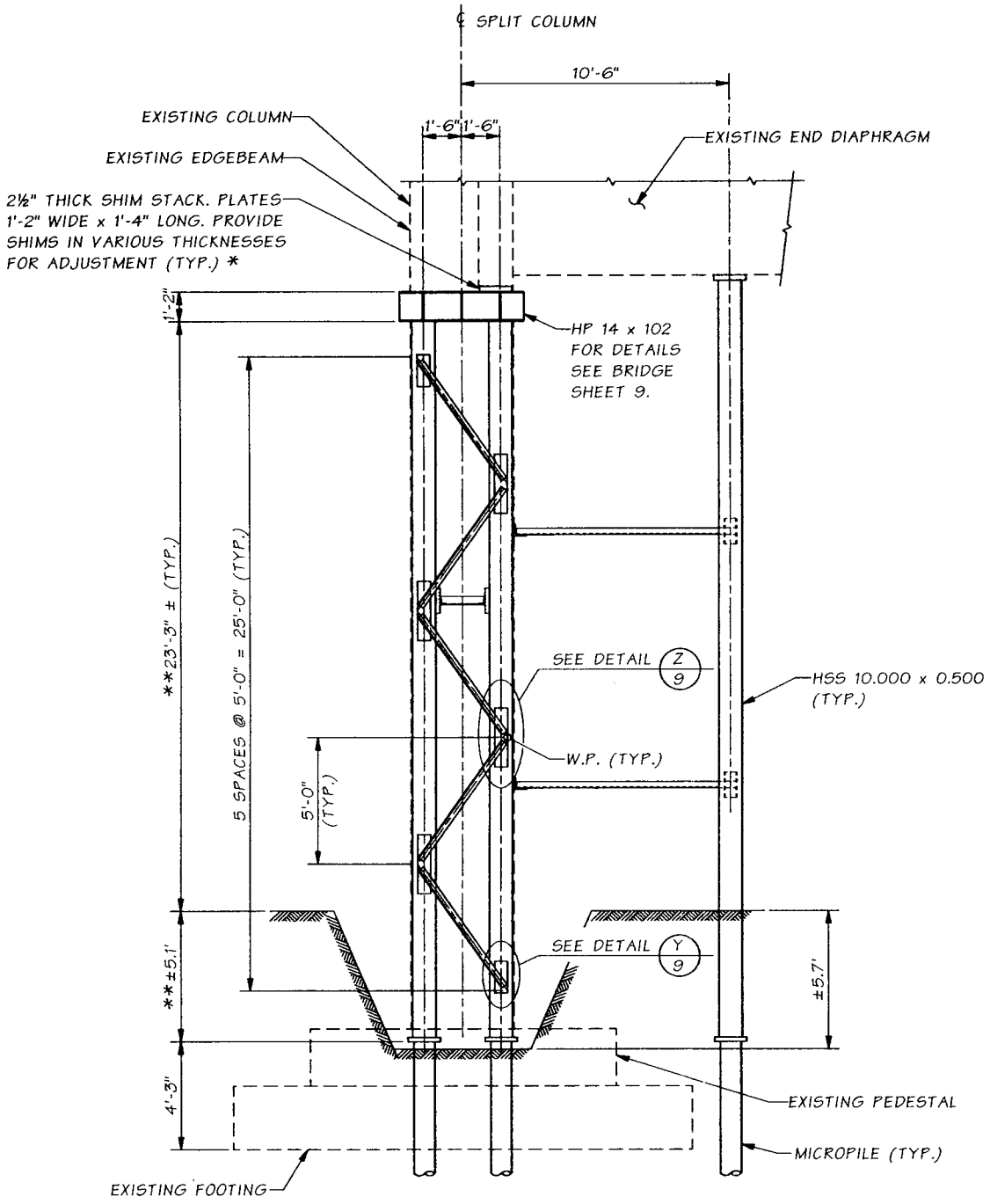
SR 99
YESLER WAY VICINITY FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

TEMPORARY SUPPORT SYSTEM SECTIONS AND DETAILS

BRIDGE SHEET NO. 6

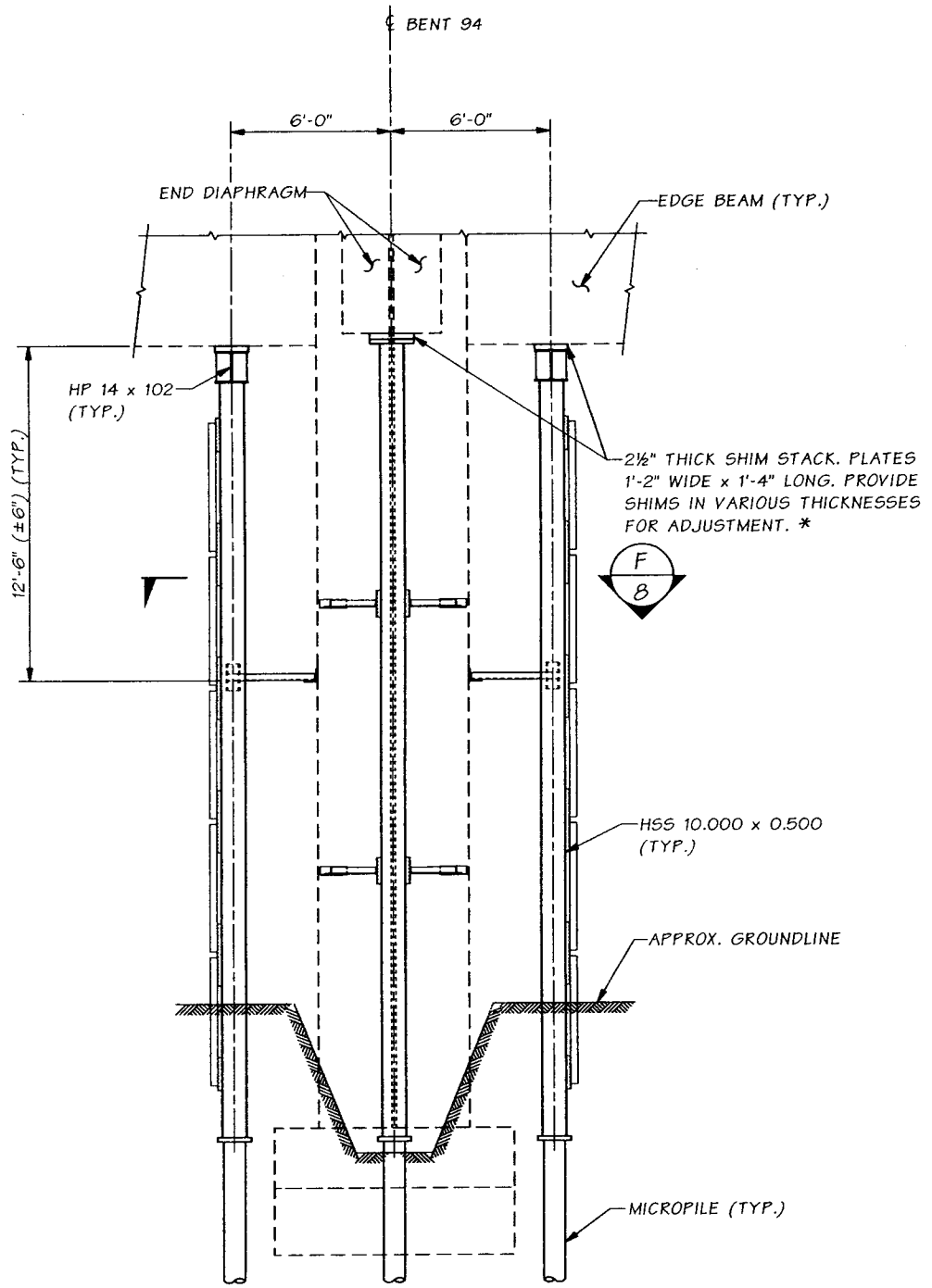
SHEET 23 OF 40 SHEETS

Mon Jul 23 15:30:29 2007



SECTION C 4

BENT 94W SHOWN, BENT 94E SIMILAR.



SECTION D 4

BENT 94W SHOWN, BENT 94E SIMILAR.

* AFTER TEMPORARY SUPPORT SYSTEM IS IN PLACE, PROVIDE ENOUGH SHIMS FOR A SNUG TIGHT FIT BETWEEN THE CONCRETE AND STEEL SUPPORT. INSTALL A ¾" THICK NEOPRENE SHEET (50 DUROMETER) BETWEEN SHIMS AND CONCRETE TO COMPENSATE FOR CONCRETE IRREGULARITIES AND LIVE LOAD DEFLECTIONS. TACK WELD SHIMS IN PLACE TO PREVENT SHIMS FROM DISLODGING.

**FIELD VERIFY REQUIRED TEMPORARY SUPPORT POST LENGTH (TYP.)

SR 99 JOB NO. 7021 SHEET 7

Bridge Design Engr.	Kapur, J		M:\Z-Team\Alaskan Way Ftgs\Window files\SHORING DETAILS 2.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD	06/07				JOB NUMBER 07A805				
Checked By										
Detailed By	Schicchi, VB	06/07								
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist			DATE	REVISION	BY	APP'D				

Mon Jul 23 15:39:21 2007

BRIDGE AND STRUCTURES OFFICE

GODFREY D. SWETT — STATE OF WASHINGTON — 13360 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 7/23/07

JUGESH KAPUR — STATE OF WASHINGTON — 20406 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

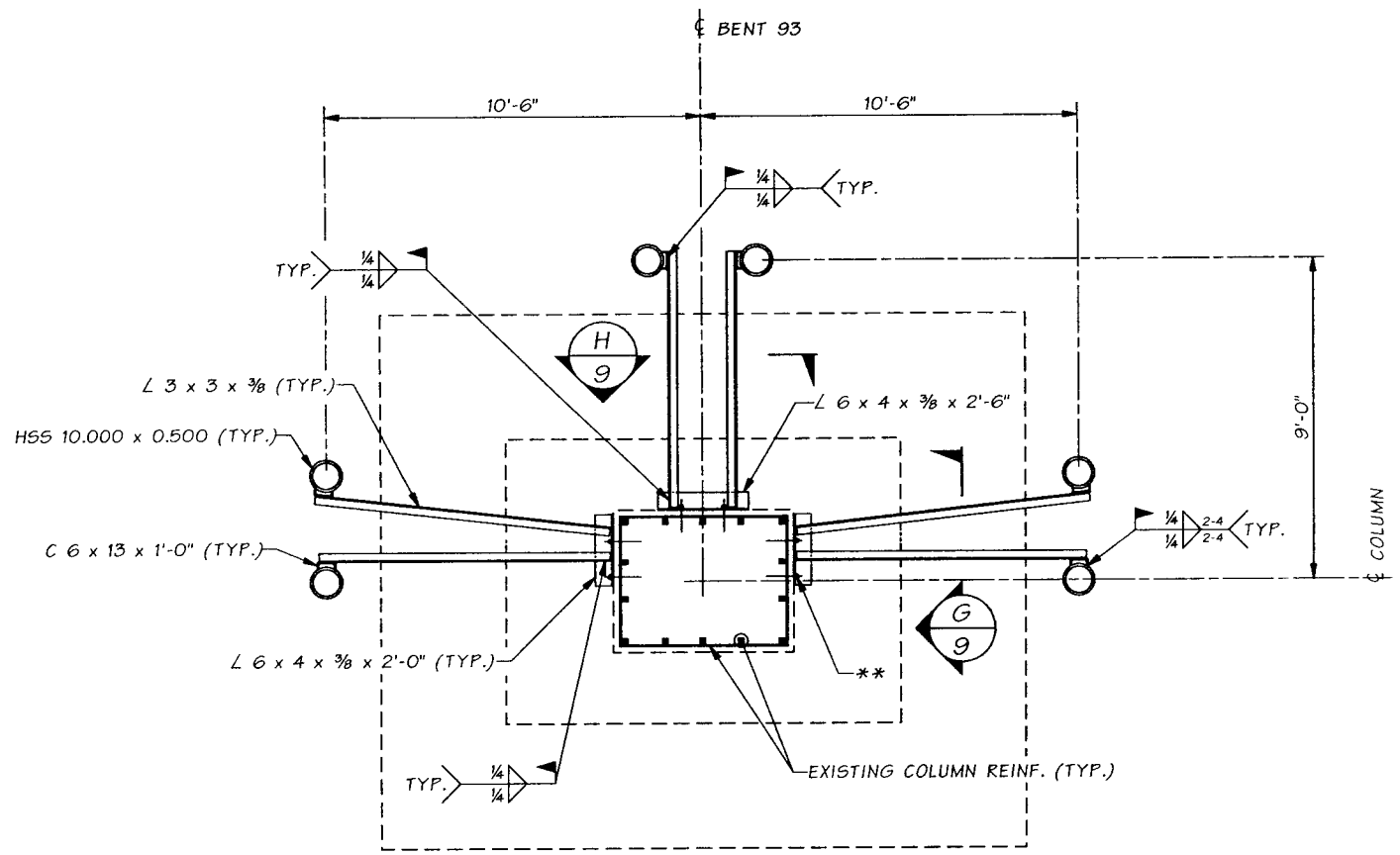
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

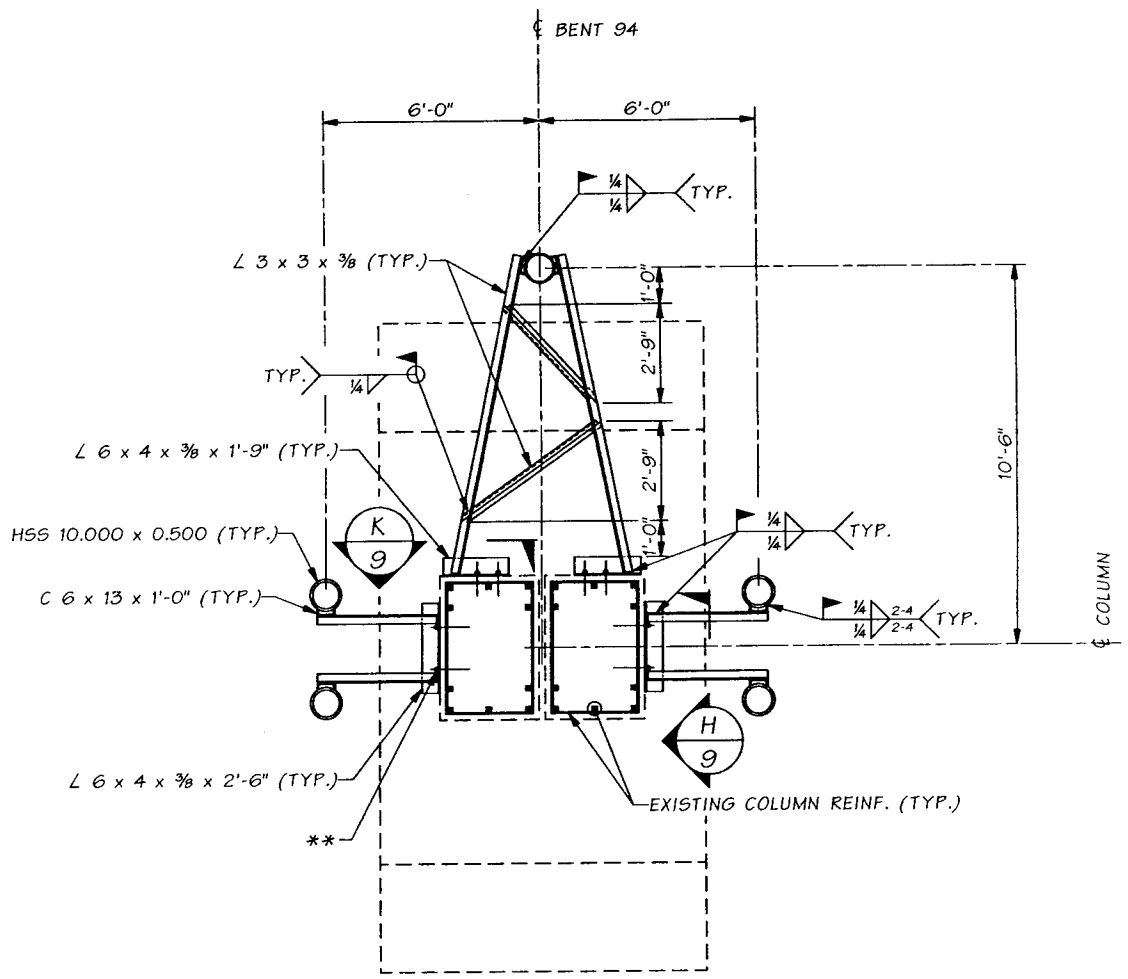
TEMPORARY SUPPORT SYSTEM SECTIONS AND DETAILS

BRIDGE SHEET NO. 7

SHEET 24 OF 40 SHEETS



VIEW E 6



VIEW F 7

** DRILL 6" DEEP HOLE AND INSTALL ¾"ø STAINLESS STEEL RESIN BONDED ANCHOR. PRIOR TO DRILLING, LOCATE EXISTING REINFORCEMENT IN COLUMN. AFTER REMOVAL OF BRACING, REMOVE ANCHOR A MINIMUM OF 1" FROM FACE OF CONCRETE AND PATCH WITH APPROVED GROUT (TYP.)

SR 99 JOB NO. 7021 SHEET 8

Bridge Design Engr.	Kapur, J		M:\Z-Team\Alaskan Way Ftgs\Window files\SHORING DETAILS 4.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT						10	WASH.			
Designed By	Swett, GD	06/07					JOB NUMBER				
Checked By							07A805				
Detailed By	Schicchi, VB	07/07									
Bridge Projects Engr.											
Prelim. Plan By											
Architect/Specialist			DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:22 2007

GEOFFREY C. SWETT — STATE OF WASHINGTON — 23946 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 7-23-07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — 20826 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

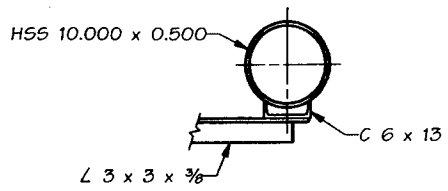
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

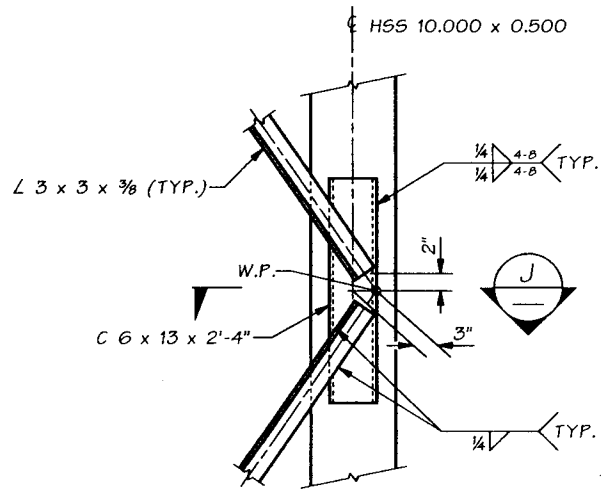
TEMPORARY SUPPORT SYSTEM SECTIONS AND DETAILS

BRIDGE SHEET NO. 8

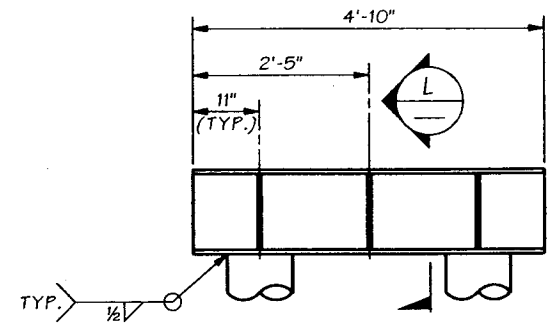
SHEET 25 OF 40 SHEETS



SECTION J

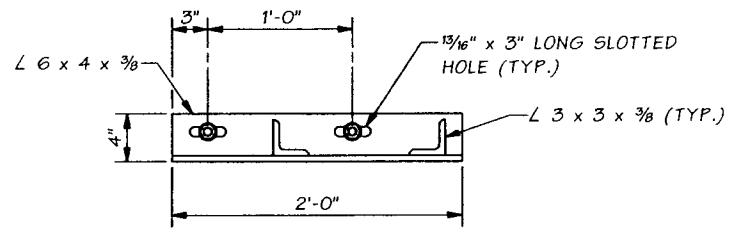


DETAIL Z — 6 & 7

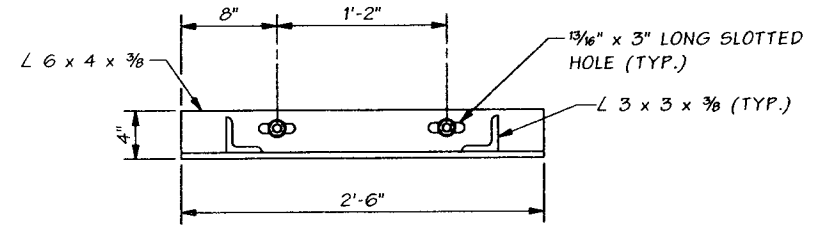


SECTION L

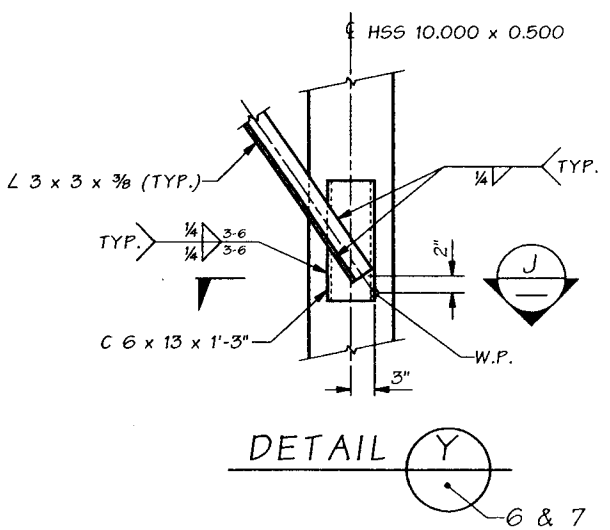
HP 14 x 102



VIEW G — 8



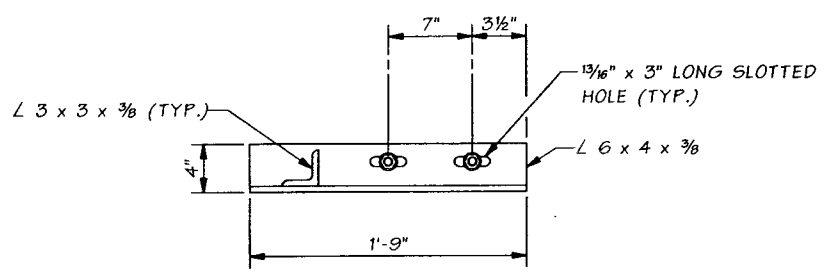
VIEW H — 8



DETAIL Y — 6 & 7

NOTE:

L 3 x 3 x 3/8 BRACING AND C 6 x 13 CHANNELS MAY BE SHOP OR FIELD WELDED TO TEMPORARY SUPPORT POSTS.



VIEW K — 8

Bridge Design Engr.	Kapur, J		M:\Z-Team\Alaskan Way Ftgs\Window files\SHORING DETAILS 3.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD	06/07				JOB NUMBER 07A805				
Checked By										
Detailed By	Schicchi, VB	06/07								
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist			DATE	REVISION	BY	APP'D				

Mon Jul 23 13:39:23 2007

BRIDGE AND STRUCTURES OFFICE

7-23-07

Washington State Department of Transportation

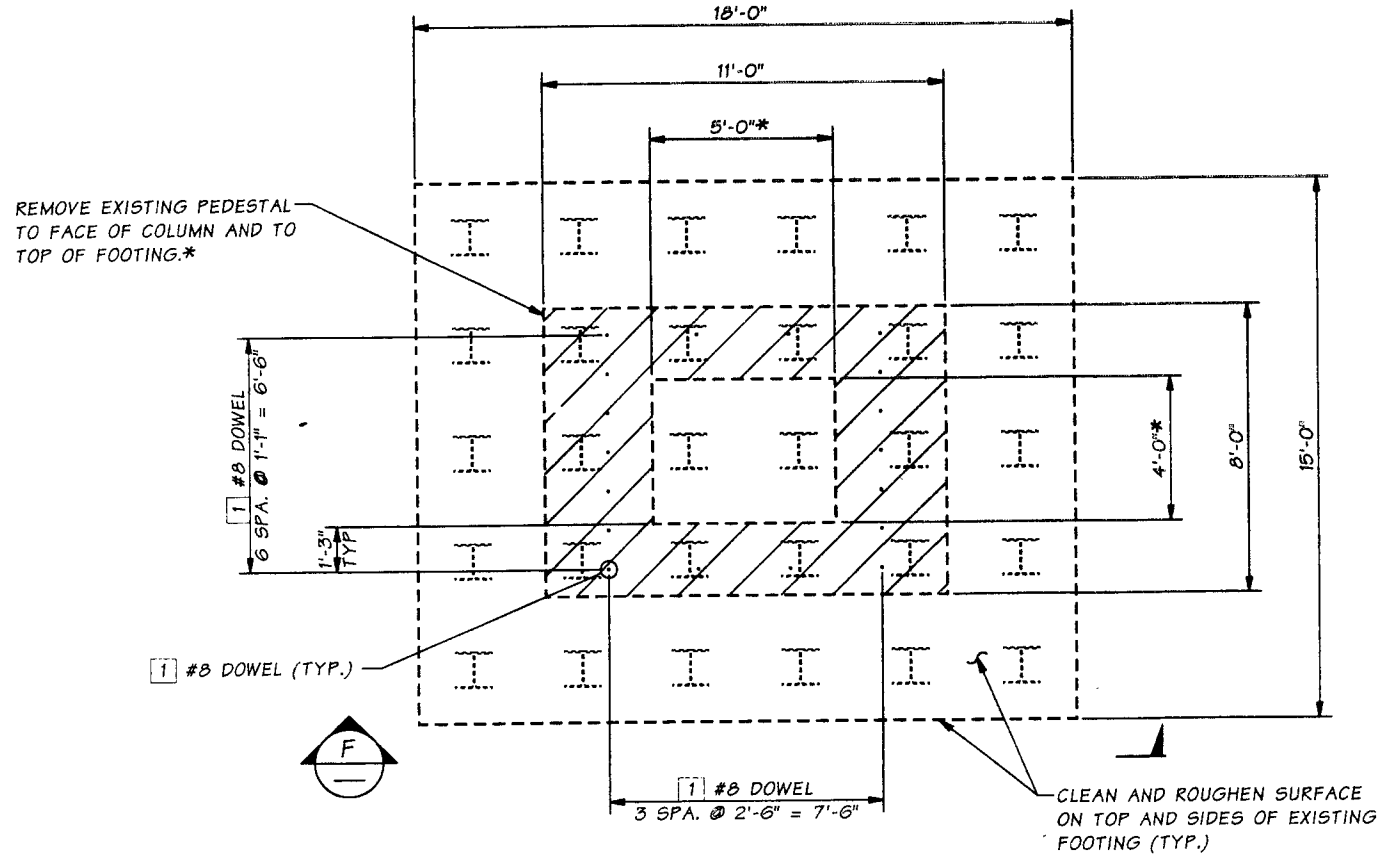
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

TEMPORARY SUPPORT SYSTEM SECTIONS AND DETAILS

BRIDGE SHEET NO. 9

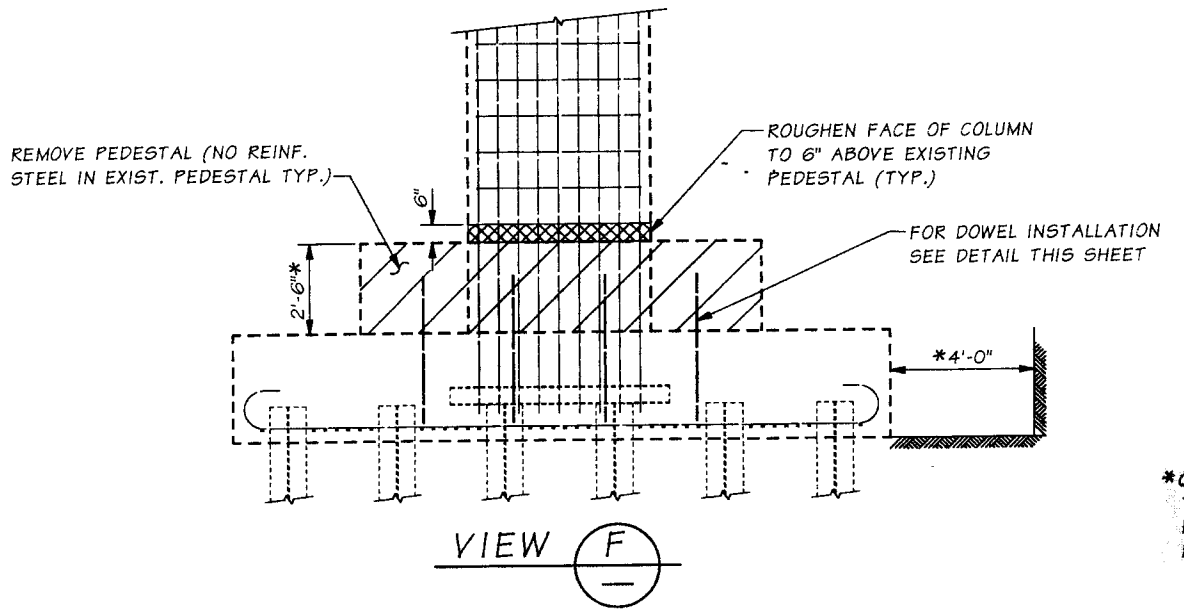
SHEET 26 OF 40 SHEETS

SR 99 JOB NO. 7021 SHEET 9

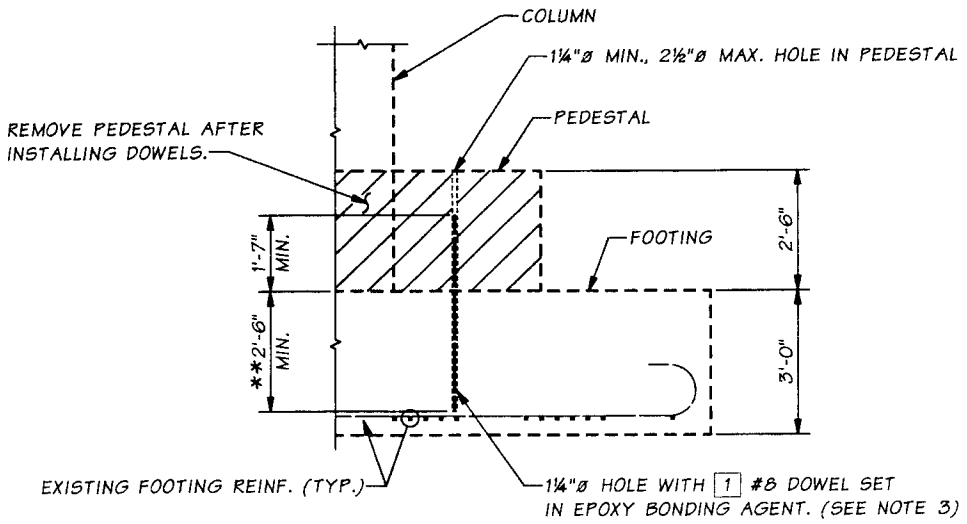


PLAN - BENT 93

* IT IS NOT CLEAR FROM THE AS-BUILT PLANS WHETHER THE PEDESTAL CONCRETE WAS PLACED MONOLITHICALLY WITH THE FOOTING AND COLUMN. CONTRACTOR SHALL USE CARE NOT TO REMOVE COLUMN OR FOOTING CONCRETE. TOLERANCE FOR THE PEDESTAL REMOVAL AROUND COLUMN SHALL BE -0", +2" OF THE PLAN DIMENSIONS SHOWN.



VIEW F



TYP. PEDESTAL DOWEL INSTALLATION DETAIL

(EXISTING PILING NOT SHOWN FOR CLARITY)

**LIMITS OF EPOXY BONDING AGENT

REQUIRED CONSTRUCTION SEQUENCE:

1.) PRIOR TO REMOVING EXISTING PEDESTAL TO THE FACE OF COLUMN AND TOP OF FOOTING:
   a.) DRILL HOLES THROUGH THE PEDESTAL AND A MINIMUM OF 2'-6" DEEP INTO THE FOOTING, (5'-0" MIN. TOTAL) AT ALL LOCATIONS SHOWN IN THE PLAN VIEW. OVERSIZED HOLES MAY BE DRILLED IN THE PEDESTAL.
   b.) SET 1 #8 DOWELS IN EPOXY BONDING AGENT PER DETAIL THIS SHEET.

2.) AFTER DOWEL EPOXY HAS CURED ON THE LAST DOWEL INSTALLED, REMOVE PEDESTAL TO THE LIMITS SHOWN. TAKE CARE NOT TO DAMAGE DOWELS OR COLUMN AND FOOTING CONCRETE DURING REMOVAL. EPOXY CURE TIME SHALL BE AS SPECIFIED BY THE EPOXY MANUFACTURER, BUT NOT LESS THAN 2 HOURS.

3.) 1 #8 DOWELS ARE PROVIDED FOR FOOTING SHEAR STRENGTHENING AND SHALL BE INSTALLED PRIOR TO REMOVAL OF PEDESTAL.

*CONTAMINATED MATERIAL EXCAVATION PAY LIMITS. TYPICAL ALL SIDES OF FOOTING. VOLUME OF EXISTING FOOTING, PEDESTAL AND COLUMN ARE NOT INCLUDED IN EXCAVATION QUANTITIES.

SR 99 JOB NO. 7021 SHEET 10

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\window files\BENT 93 REMOVAL.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.			
Designed By	Swett, GD				JOB NUMBER 07A805				
Checked By	Gallagher, P								
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By		8/14/07	REVISED NOTE	GS					
Architect/Specialist		DATE	REVISION	BY APPD					

GREGORY D. SWETT — STATE OF WASHINGTON — 20406 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 3/7/09

BRIDGE AND STRUCTURES OFFICE 3/14/07

JUGESH KAPUR — STATE OF WASHINGTON — 20406 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08

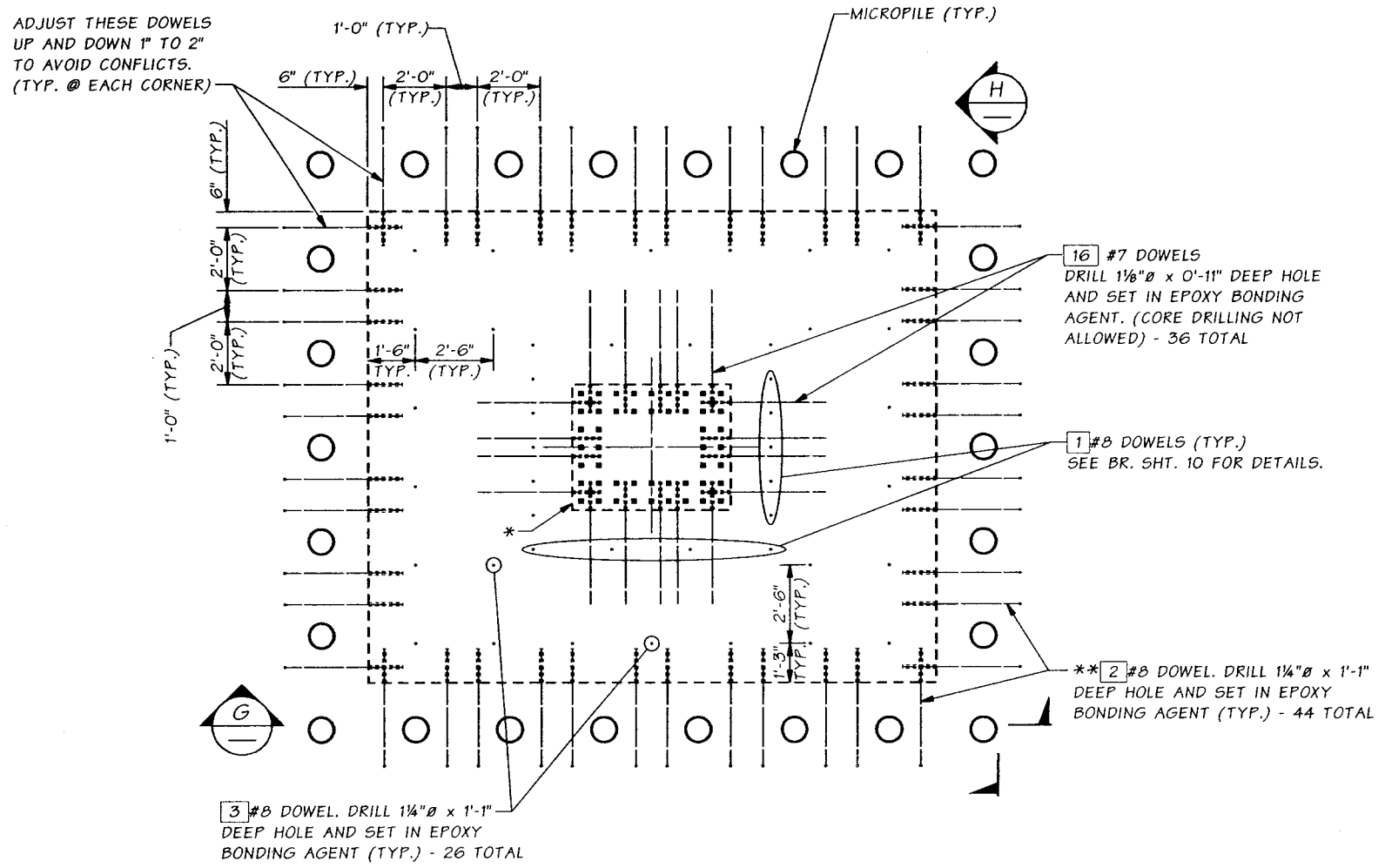
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

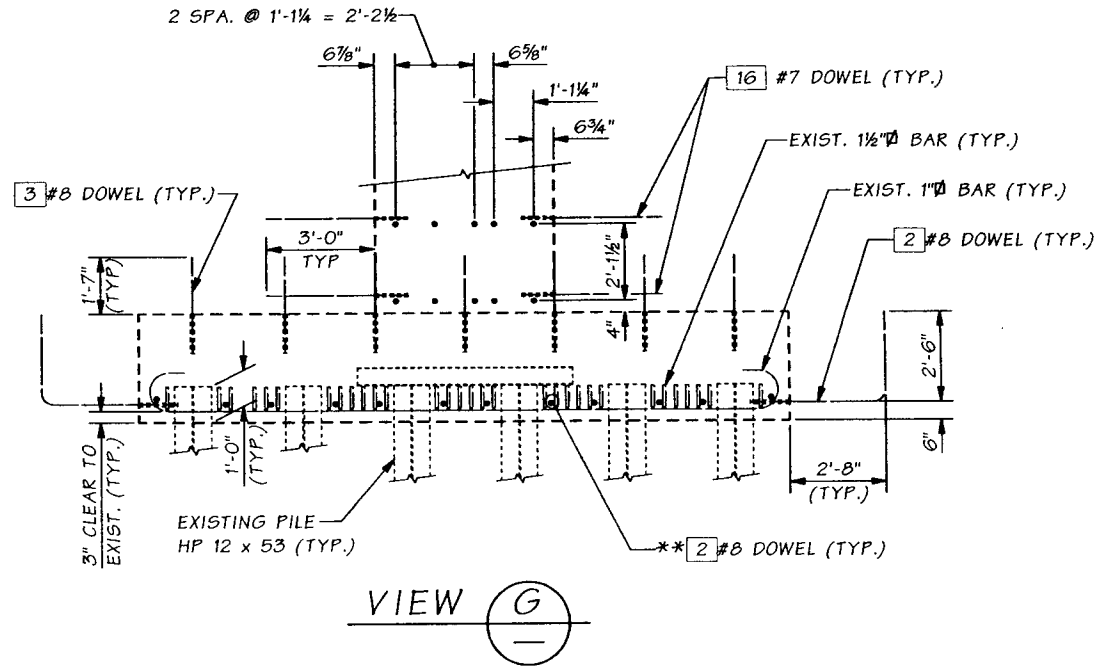
REMOVAL DETAILS - BENT 93

BRIDGE SHEET NO. 10

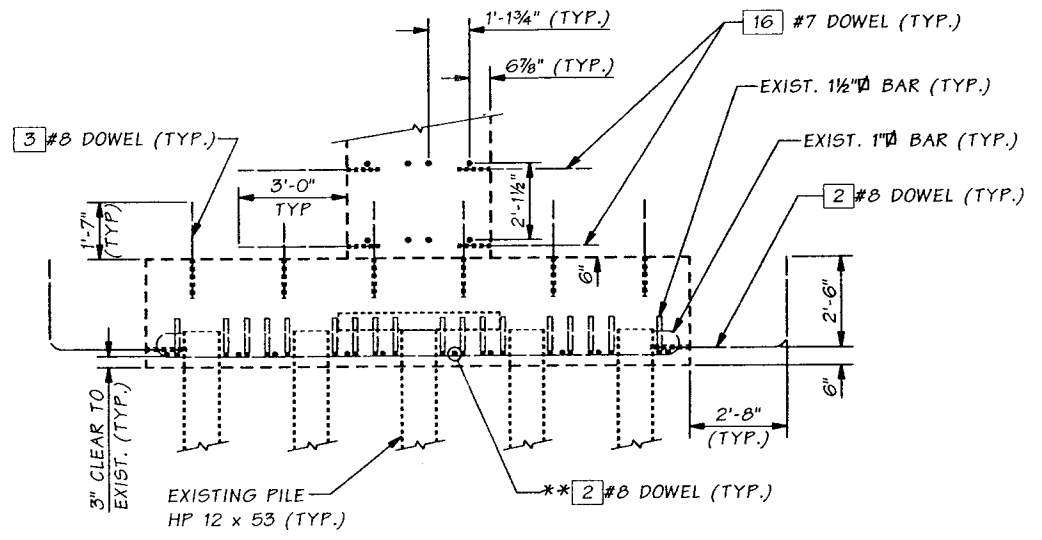
SHEET 27 OF 40 SHEETS



PLAN @ BASE OF COLUMN - BENT 93



1 #8 DOWELS NOT SHOWN FOR CLARITY.
MICROPILES NOT SHOWN.



1 #8 DOWELS NOT SHOWN FOR CLARITY.
MICROPILES NOT SHOWN.

NOTES:

* LOCATE ALL EXISTING COLUMN STEEL PRIOR TO DRILLING. DOWEL LOCATIONS MAY BE ADJUSTED ±1" TO AVOID ANY CONFLICTS.

** LOCATE EXISTING FOOTING STEEL (HOOKS) PRIOR TO DOWELING. DOWEL LOCATIONS MAY BE ADJUSTED ±2" TO AVOID CONFLICTS

SR 99 JOB NO. 7021 SHEET 11

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 93 DOWELS.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD					JOB NUMBER 07A805				
Checked By	Gallagher, P									
Detailed By	Schicchi, V.B.									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:25 2007

GODFREY T. COLLINS — STATE OF WASHINGTON — 35980 — REGISTERED PROFESSIONAL ENGINEER — 7/23/07 — EXPIRES 8/7/08

BRIDGE AND STRUCTURES OFFICE

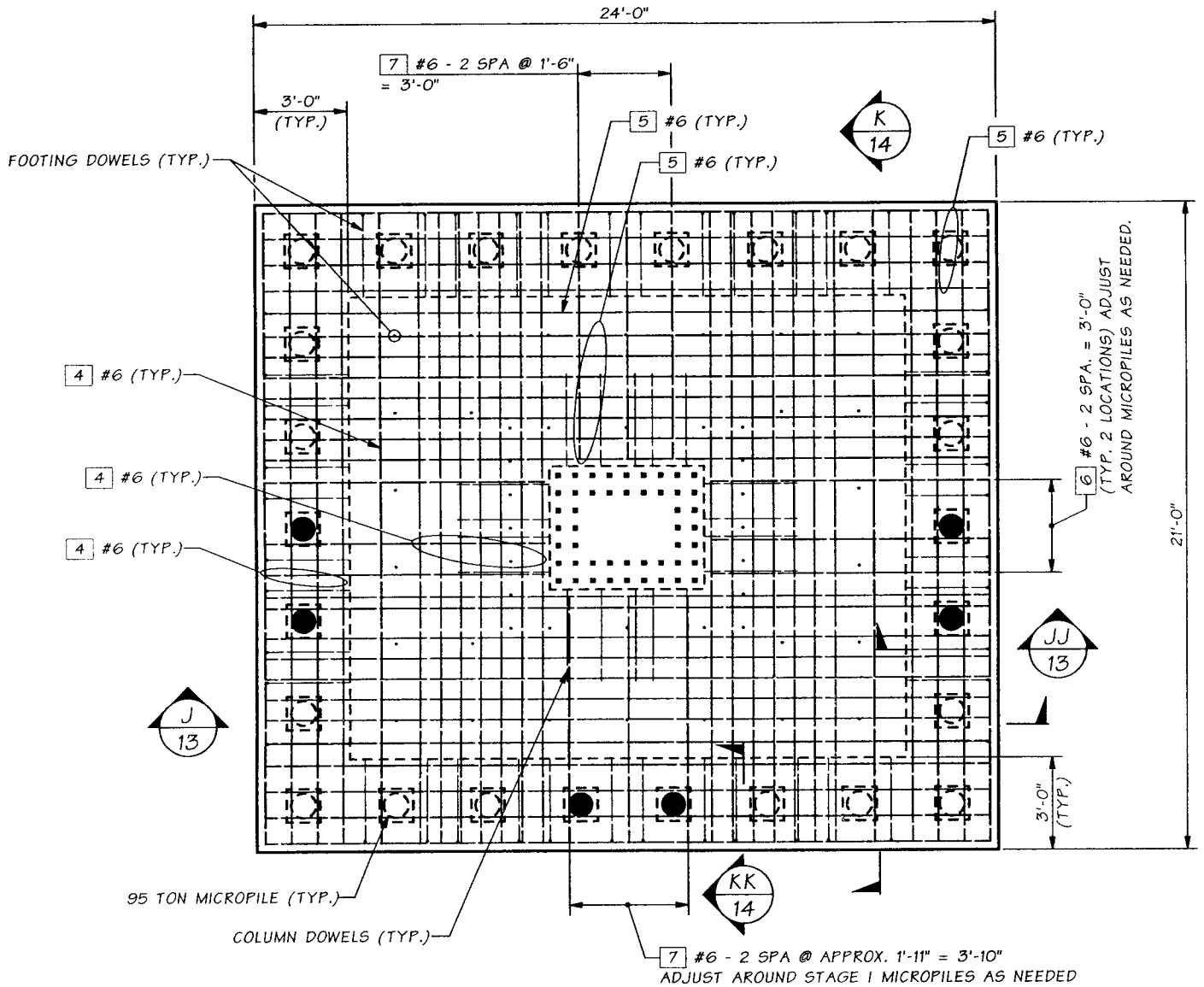
JUGRESH KAPUR — STATE OF WASHINGTON — 35466 — REGISTERED PROFESSIONAL ENGINEER — 7-23-07 — EXPIRES 5/19/08

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 93 DOWEL PLACEMENT PLAN

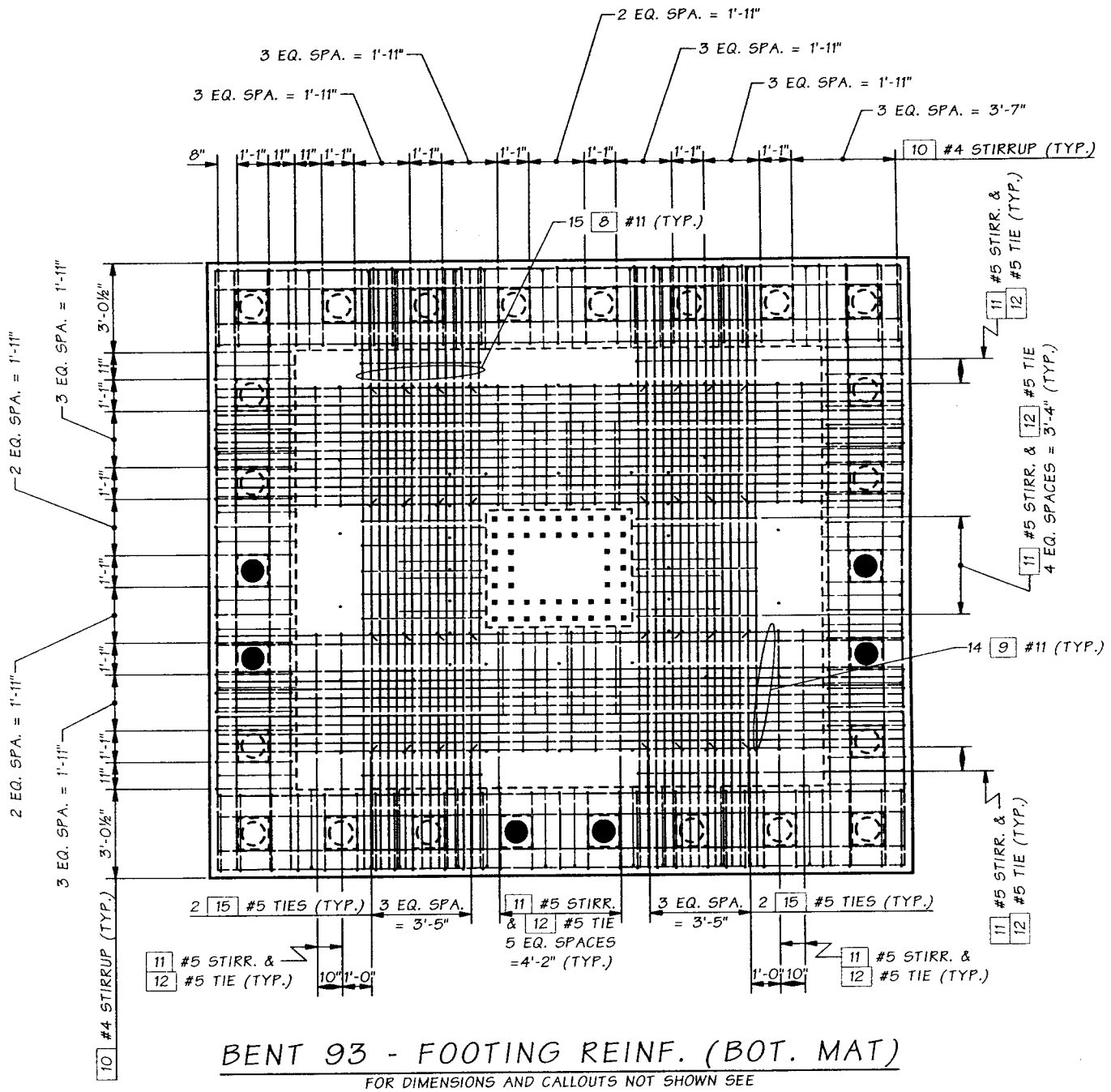
BRIDGE SHEET NO. 11
SHEET 28 OF 40 SHEETS



BENT 93 - FOOTING REINF. (TOP MAT)

FOR REINFORCEMENT SPACING SEE BRIDGE SHEETS 13 & 14.

BENT 93E FOOTING SHOWN, BENT 93W SYMMETRICAL ABOUT ℄ VIADUCT.



BENT 93 - FOOTING REINF. (BOT. MAT)

FOR DIMENSIONS AND CALLOUTS NOT SHOWN SEE "BENT 93-FOOTING REINF. (TOP MAT)" THIS SHEET

NOTE:

● STAGE I MICROPILE

SR 99 JOB NO. 7021 SHEET 12

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 93 NEW FTG 1.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.			
Designed By	Swett, GD				JOB NUMBER				
Checked By	Gallagher, P				07A805				
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Mon Jul 23 13:39:27 2007

GEOFFREY A. SWETT — STATE OF WASHINGTON — 21610 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08

BRIDGE AND STRUCTURES OFFICE

7-23-07

JUGESH KAPUR — STATE OF WASHINGTON — 21610 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08

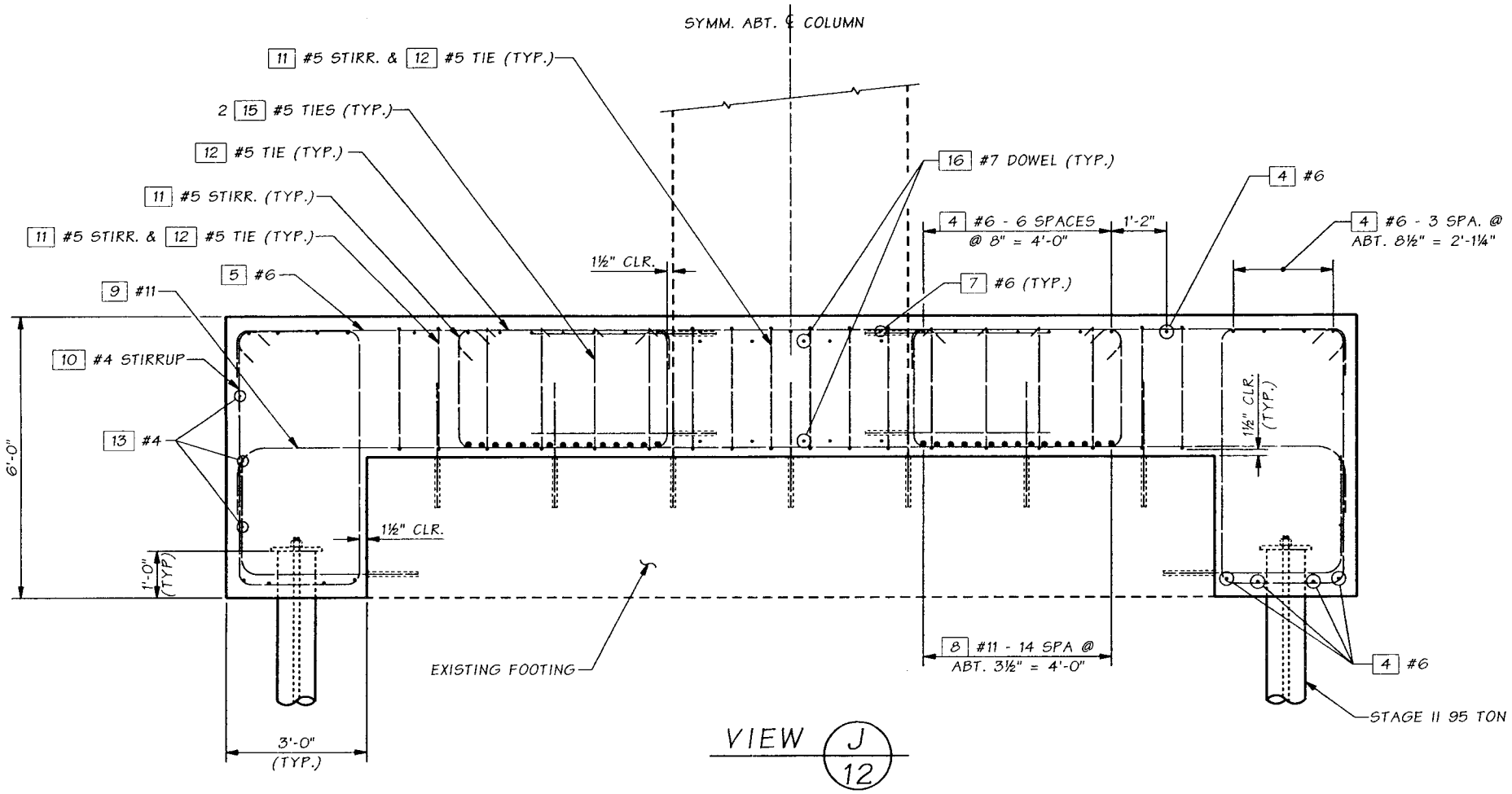
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 93 FOOTING DETAILS

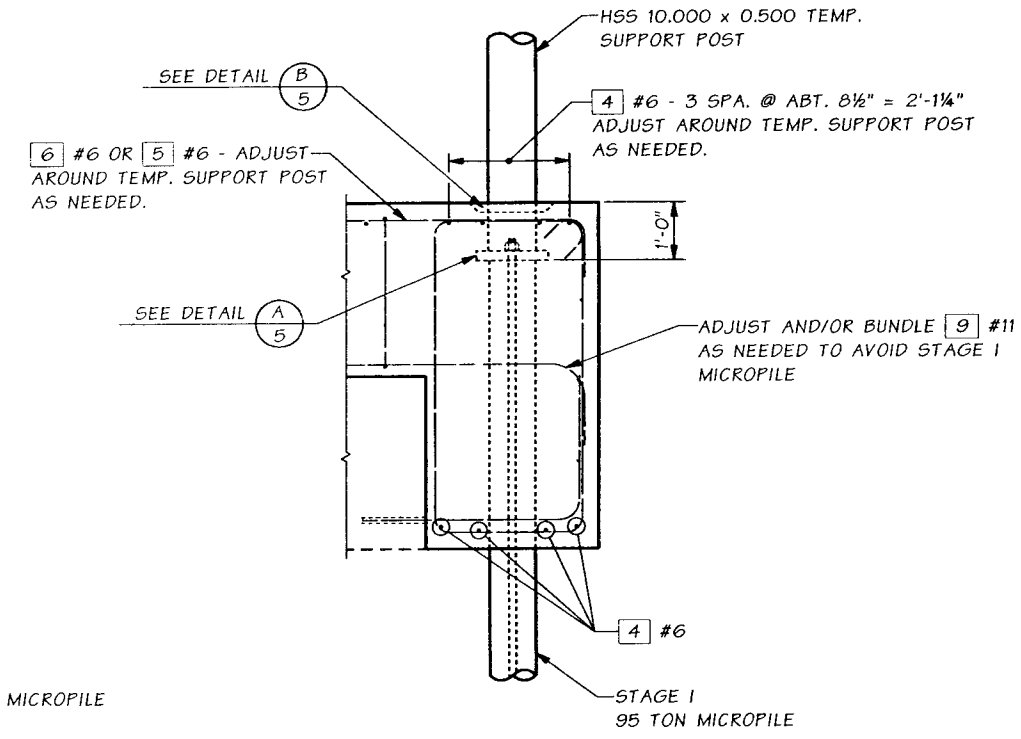
BRIDGE SHEET NO. 12

SHEET 29 OF 40 SHEETS



VIEW J/12

3" CLEAR TO ALL BARS AROUND EXTERIOR FACES OF FOOTING.
EXISTING PILING & REINFORCEMENT NOT SHOWN FOR CLARITY.



SECTION JJ/12

SR 99 JOB NO. 7021 SHEET 13

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 93 NEW FTG 2.WND							
Supervisor	Clarke, PT					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By	Swett, GD					10	WASH.			
Checked By	Gallagher, P					JOB NUMBER 07A805				
Detailed By	Schicchi, V.B.									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:28 2007

GEOFFREY DASKAM — 7-23-07 — PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 20800 — REGISTERED — EXPIRES 9/7/08

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — 7-23-07 — PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 20800 — REGISTERED — EXPIRES 5/19/08

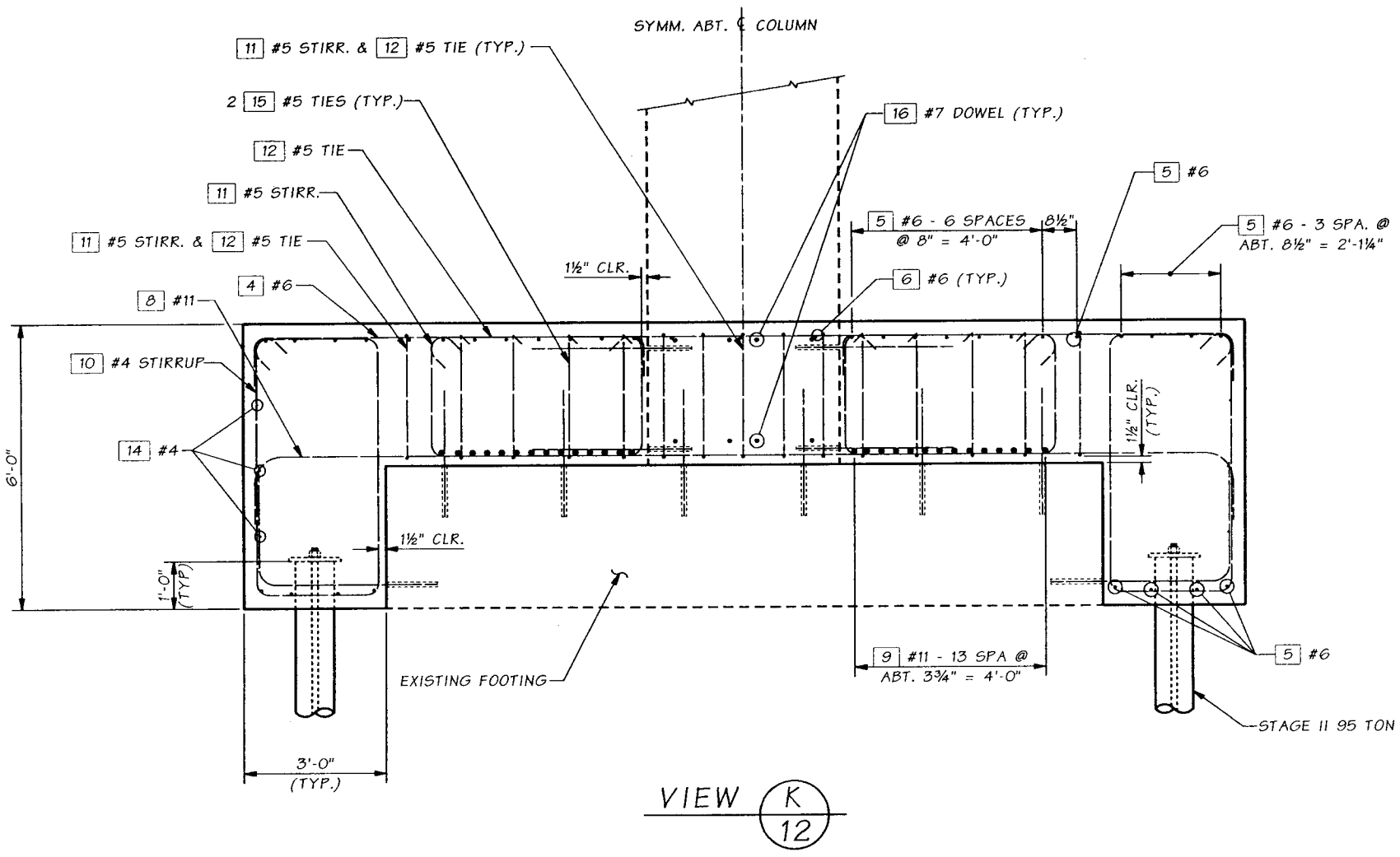
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 93 FOOTING DETAILS

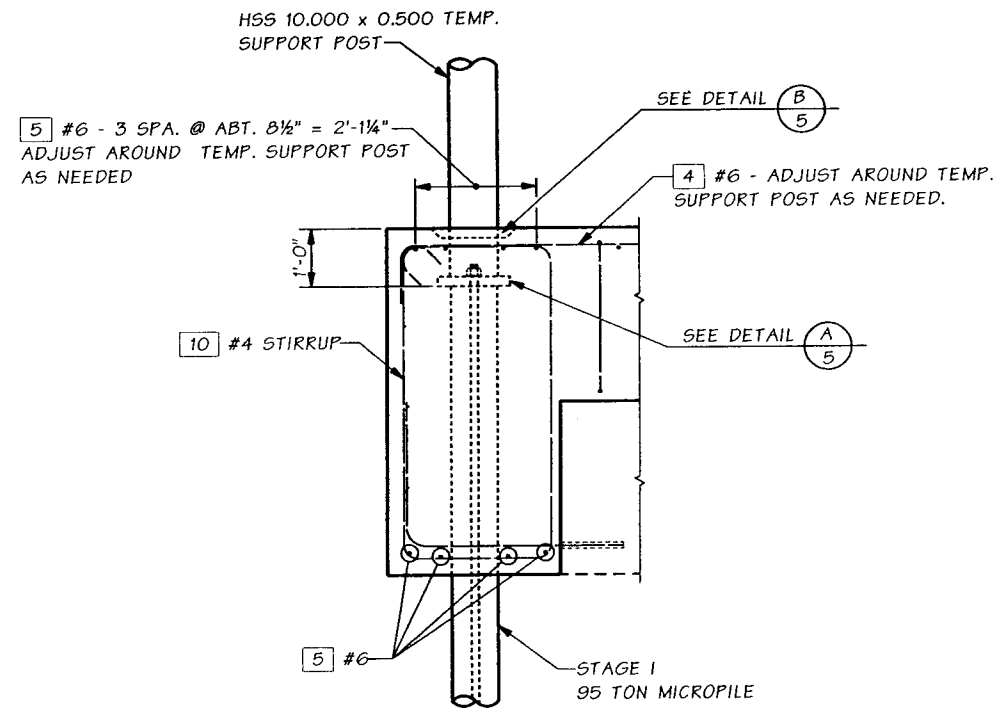
BRIDGE SHEET NO. 13

SHEET 30 OF 40 SHEETS



VIEW K / 12

3" CLEAR TO ALL BARS AROUND EXTERIOR FACES OF FOOTING.
EXISTING PILING & REINFORCEMENT NOT SHOWN FOR CLARITY.



SECTION KK / 12

SR 99 JOB NO. 7021 SHEET 14

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 93 NEW FTG 3.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.			
Designed By	Swett, GD				JOB NUMBER				
Checked By	Gallagher, P				07A805				
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Mon Jul 23 13:39:29 2007

JEFFREY D. SWETT — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 4/23/07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

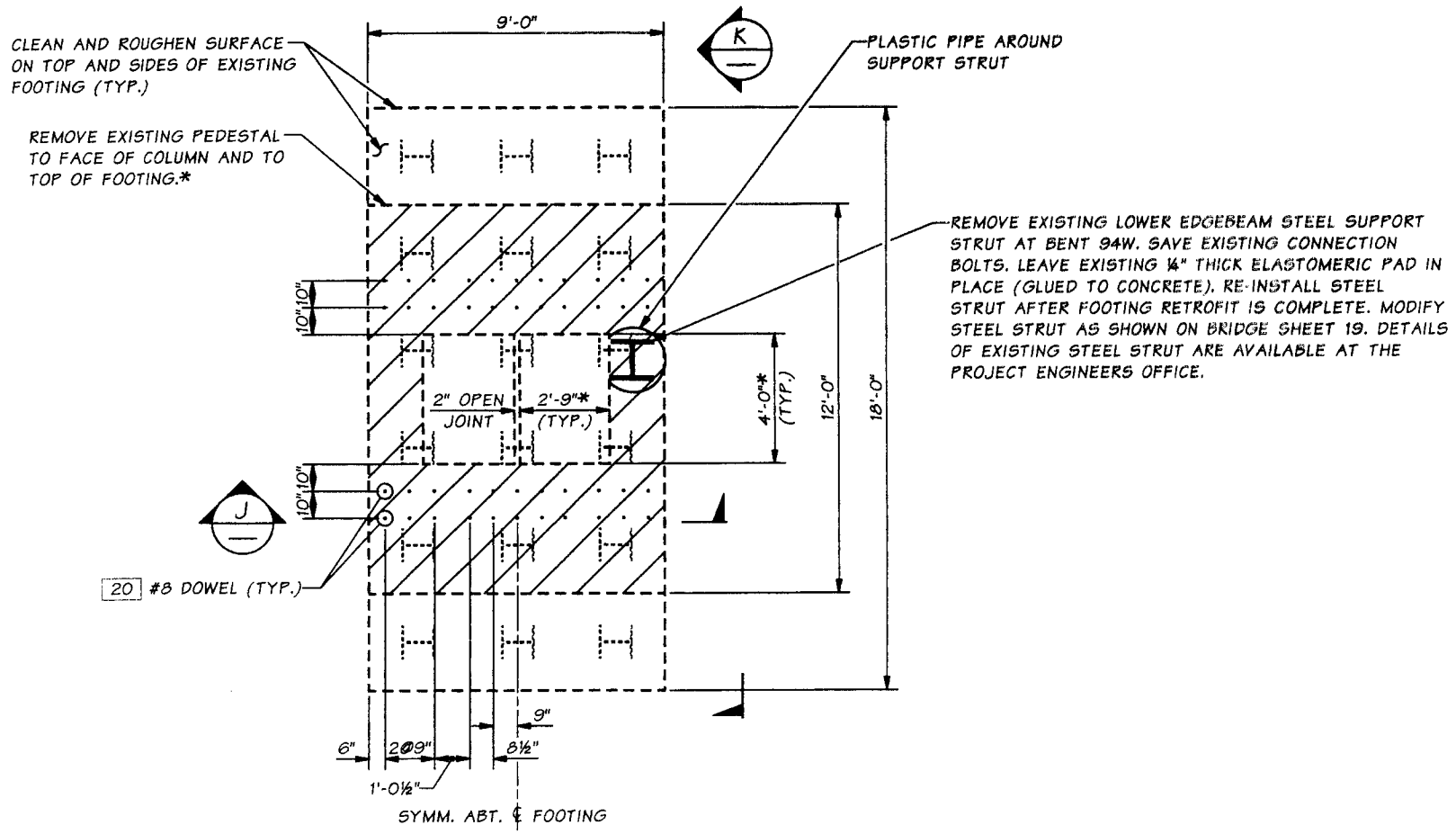
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 93 FOOTING DETAILS

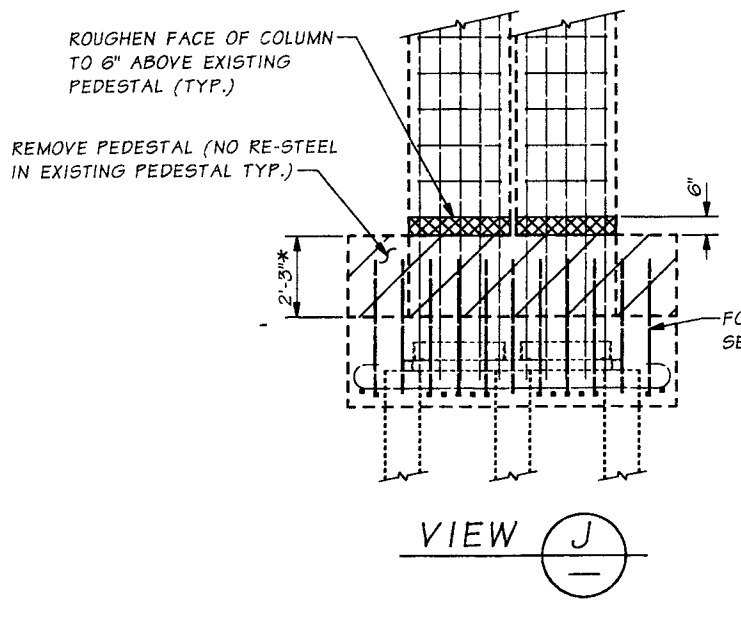
BRIDGE SHEET NO. 14

SHEET 31 OF 40 SHEETS

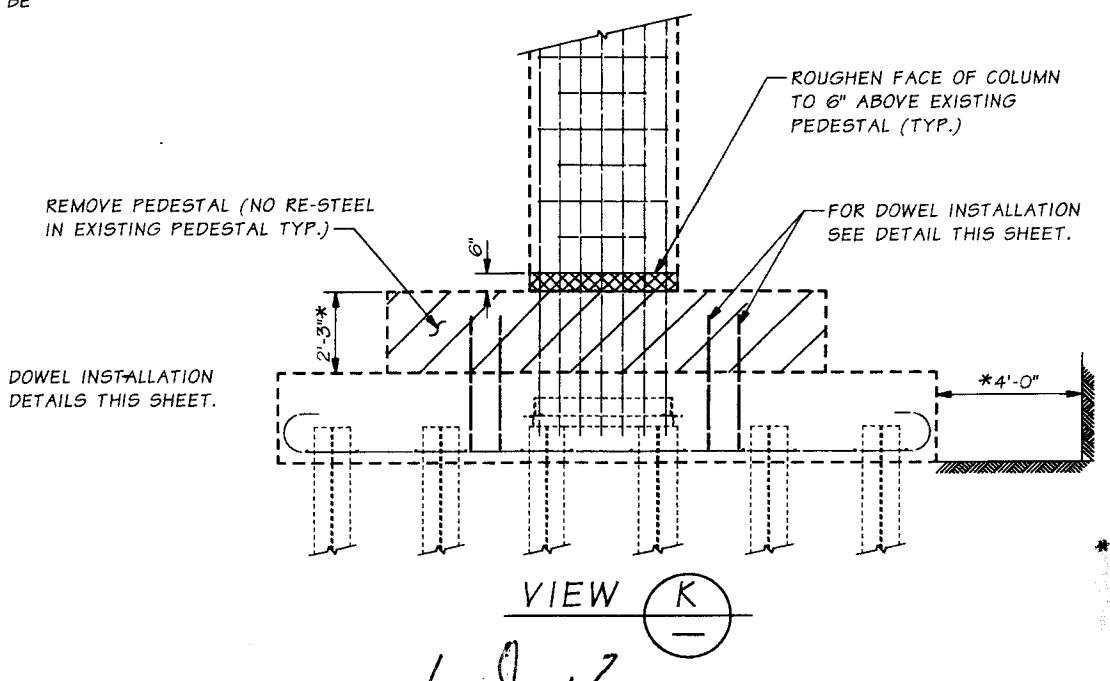


PLAN - BENT 94

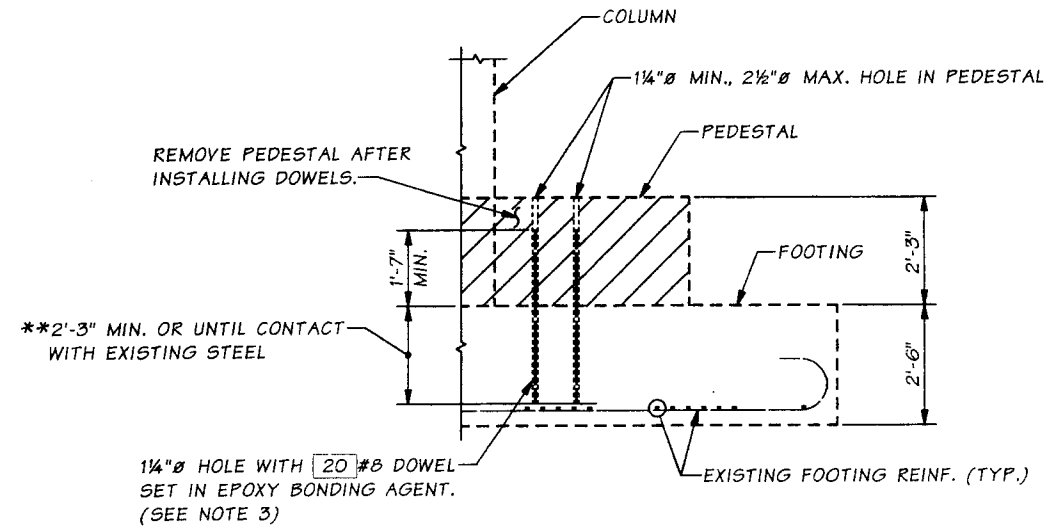
* IT IS NOT CLEAR FROM THE AS-BUILT PLANS WHETHER THE PEDESTAL CONCRETE WAS PLACED MONOLITHICALLY WITH THE FOOTING AND COLUMN. CONTRACTOR SHALL USE CARE NOT TO REMOVE COLUMN OR FOOTING CONCRETE. TOLERANCE FOR THE PEDESTAL REMOVAL AROUND COLUMNS SHALL BE -0", +2" OF THE PLAN DIMENSIONS SHOWN.



VIEW J



VIEW K



TYP. PEDESTAL DOWEL INSTALLATION DETAIL

**LIMITS OF EPOXY BONDING AGENT

REQUIRED CONSTRUCTION SEQUENCE:

1.) PRIOR TO REMOVING EXISTING PEDESTAL TO THE FACE OF COLUMN AND TOP OF FOOTING:
   a.) DRILL HOLES THROUGH THE PEDESTAL AND A MINIMUM OF 2'-3" DEEP INTO THE FOOTING. (4'-6" MIN. TOTAL) AT ALL LOCATIONS SHOWN IN THE PLAN VIEW. OVERSIZE HOLES MAY BE DRILLED IN THE PEDESTAL.
   b.) SET 20 #8 DOWELS IN EPOXY BONDING AGENT PER DETAIL THIS SHEET.

2.) AFTER DOWEL EPOXY HAS CURED, REMOVE PEDESTAL TO THE LIMITS SHOWN. TAKE CARE NOT TO DAMAGE DOWELS OR COLUMN AND FOOTING CONCRETE DURING REMOVAL. EPOXY CURE TIME SHALL BE AS SPECIFIED BY THE EPOXY MANUFACTURER, BUT NOT LESS THAN 2 HOURS.

3.) 20 #8 DOWELS ARE PROVIDED FOR FOOTING SHEAR STRENGTHENING AND SHALL BE INSTALLED PRIOR TO REMOVAL OF PEDESTAL.

*CONTAMINATED MATERIAL EXCAVATION PAY LIMITS. TYPICAL ALL SIDES OF FOOTING. VOLUME OF EXISTING FOOTING, PEDESTAL AND COLUMN ARE NOT INCLUDED IN EXCAVATION QUANTITIES.

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\window files\BENT 94 REMOVAL.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO. / TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.		
Designed By	Swett, GD				JOB NUMBER 07A805			
Checked By	Gallagher, P							
Detailed By	Schicchi, V.B.							
Bridge Projects Engr.								
Prelim. Plan By		8/14/07 REVISED NOTE	GS					
Architect/Specialist		DATE / REVISION	BY	APP'D				

Wed Aug 15 16:03:30 2007

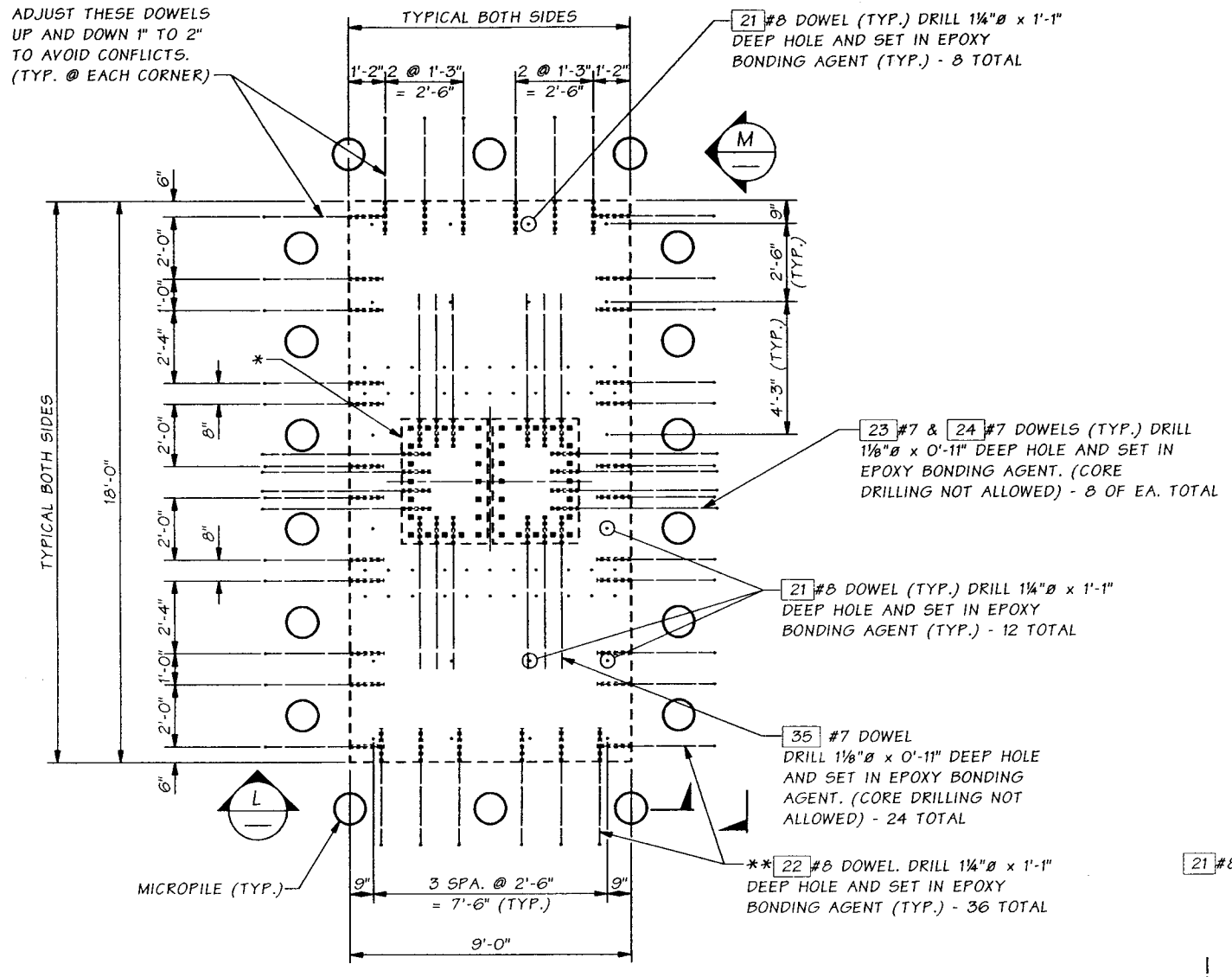
JEFFREY D. SWETT — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — EXPIRES 8/7/08
8/14/07
BRIDGE AND STRUCTURES OFFICE
JUGESH KAPUR — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — EXPIRES 5/19/08
8/14/07

Washington State Department of Transportation

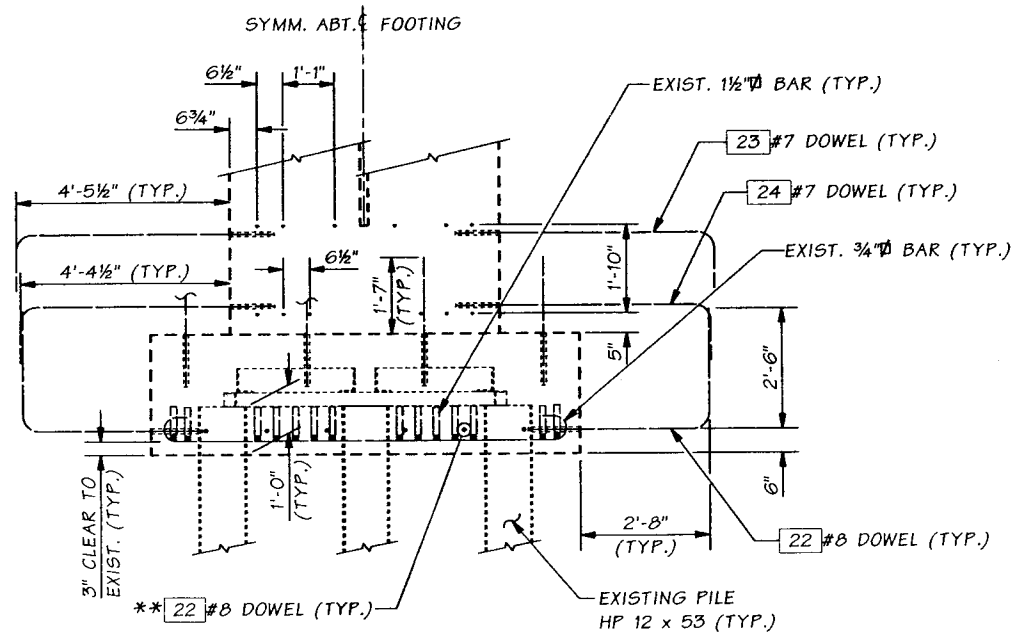
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB
REMOVAL DETAILS - BENT 94

BRIDGE SHEET NO. 15
SHEET 32 OF 40 SHEETS

SR 99 JOB NO. 7021 SHEET 15

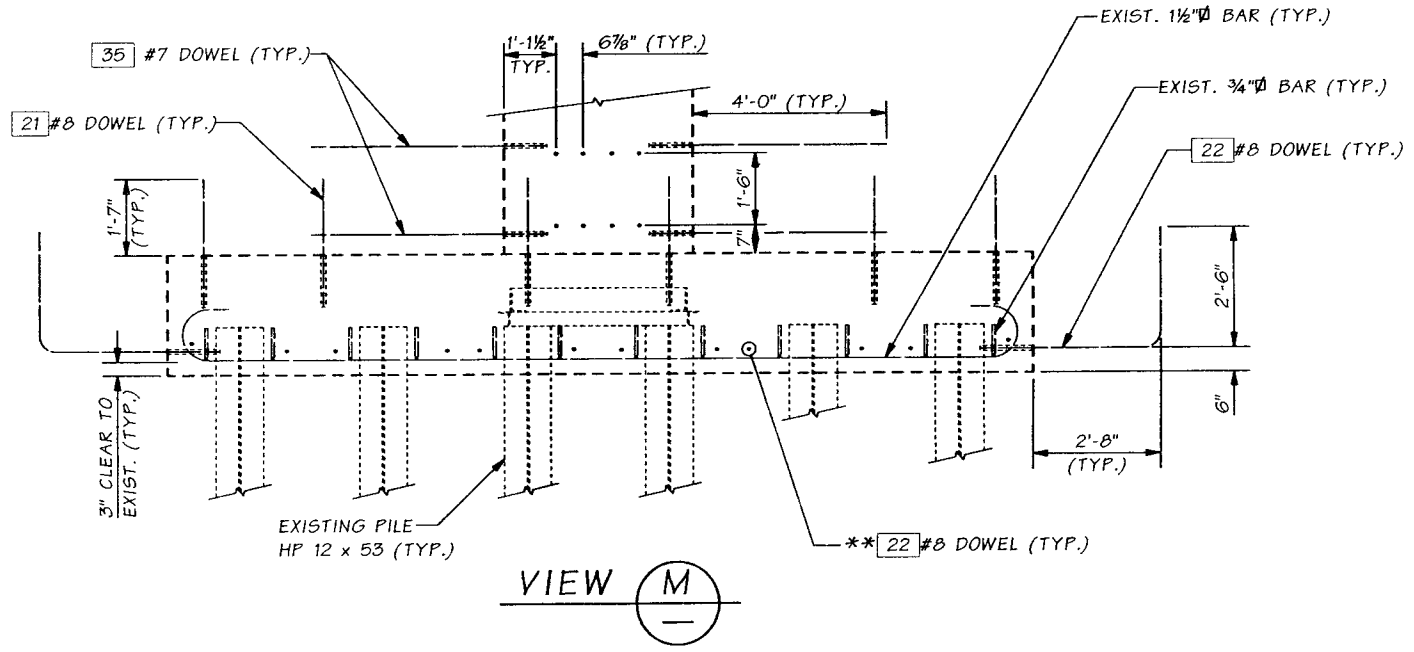


PLAN @ BASE OF COLUMN - BENT 94



VIEW L

20 #8 DOWELS NOT SHOWN FOR CLARITY. MICROPILES NOT SHOWN.



VIEW M

20 #8 DOWELS NOT SHOWN FOR CLARITY. MICROPILES NOT SHOWN.

NOTES:

* LOCATE ALL EXISTING COLUMN STEEL PRIOR TO DRILLING. DOWEL LOCATIONS MAY BE ADJUSTED ±1" TO AVOID ANY CONFLICTS.

** LOCATE EXISTING FOOTING STEEL (HOOKS) PRIOR TO DOWELING. DOWEL LOCATIONS MAY BE ADJUSTED ±2" TO AVOID CONFLICTS

SR 99 JOB NO. 7021 SHEET 16

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 94 DOWELS.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD									
Checked By	Gallagher, P					JOB NUMBER 07A805				
Detailed By	Schicchi, V.B.									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:31 2007

DOUGLAS D. SMITH — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 7/23/07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — 7-23-07 — EXPIRES 5/19/08

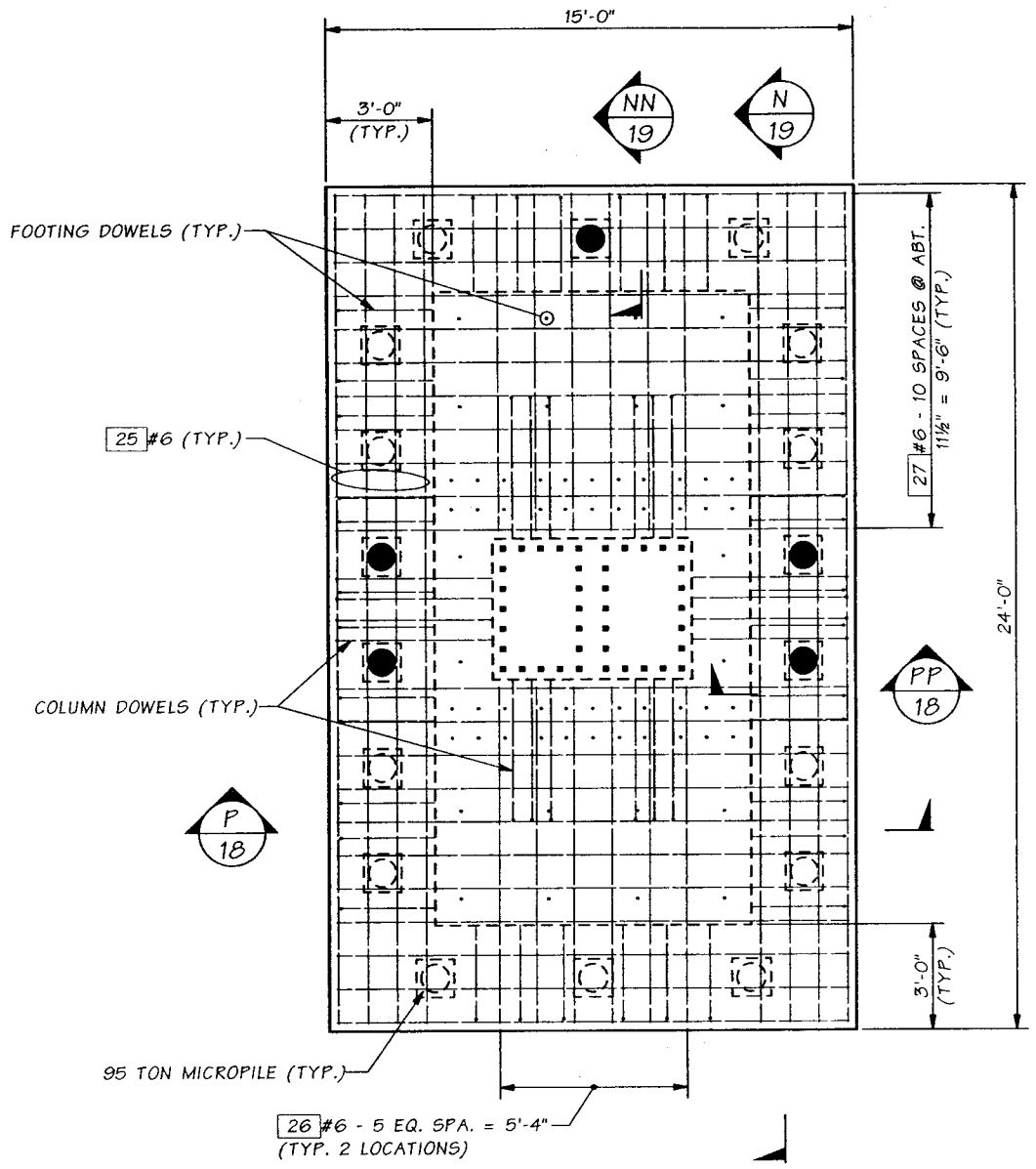
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 94 DOWEL PLACEMENT PLAN

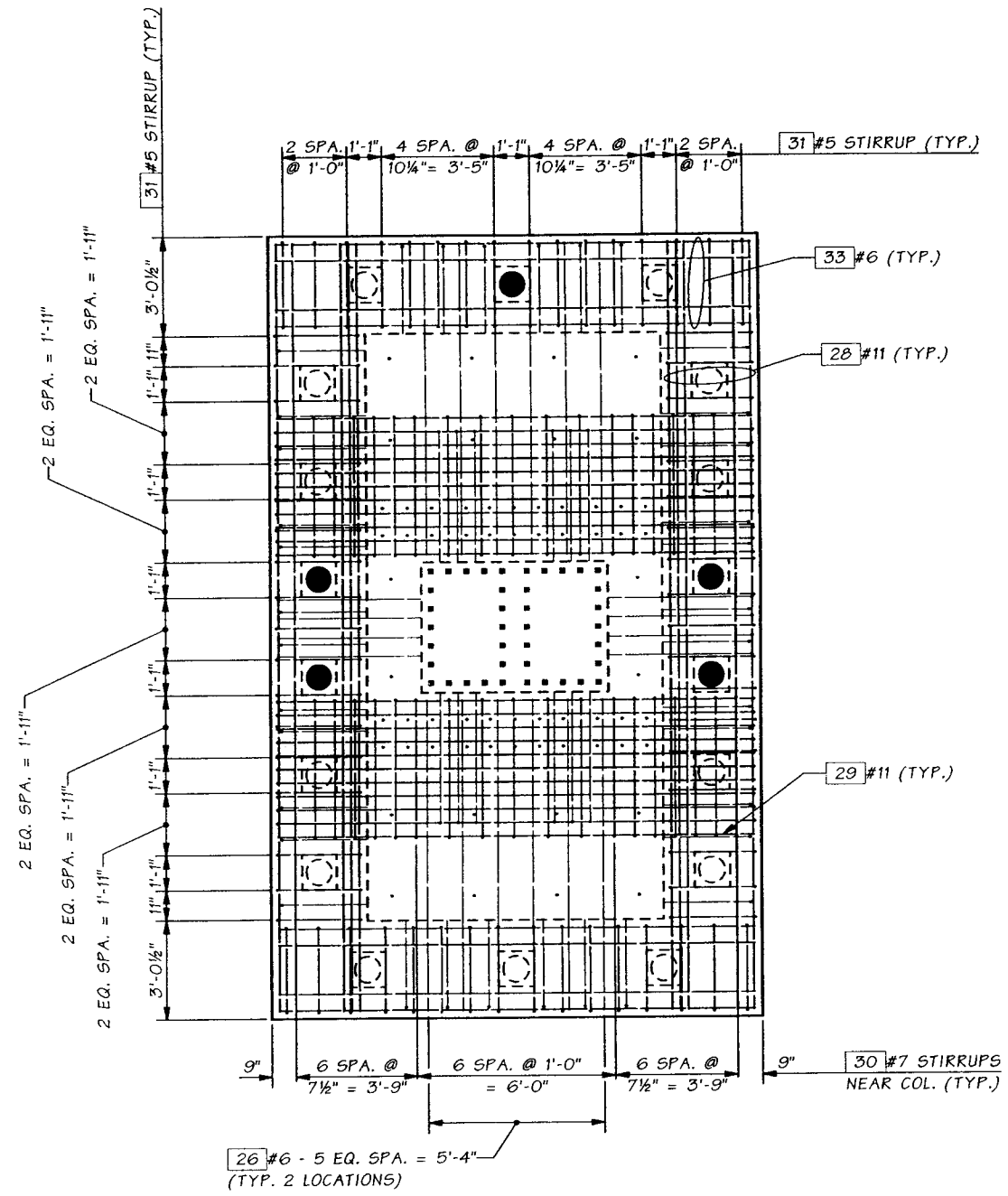
BRIDGE SHEET NO. 16

SHEET 33 OF 40 SHEETS



BENT 94 - FOOTING REINF. (TOP MAT)

BENT 94W FOOTING SHOWN, BENT 94E SYMMETRICAL ABOUT ℄ VIADUCT.



BENT 94 - FOOTING REINF. (BOT. MAT)

NOTE:

● STAGE I MICROPILE

SR 99 JOB NO. 7021 SHEET 17

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\window files\BENT 94 NEW FTG 1.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD					JOB NUMBER 07A805				
Checked By	Gallagher, P									
Detailed By	Schicchi, V.B.									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:32 2007

GEOFFREY D. SWETT — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 9/7/08 — 7/23/07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

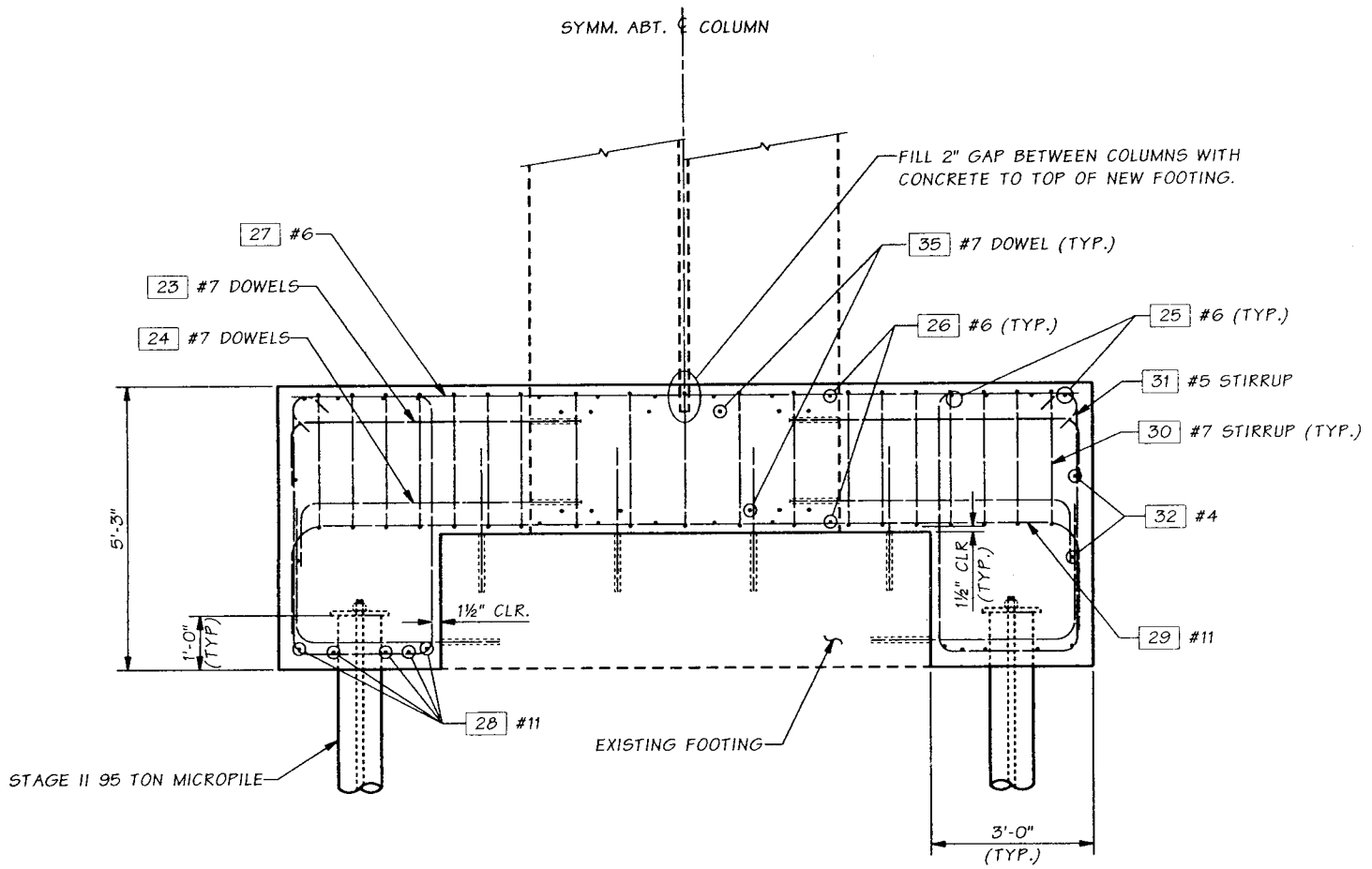
BENT 94 FOOTING DETAILS

BRIDGE SHEET NO. 17

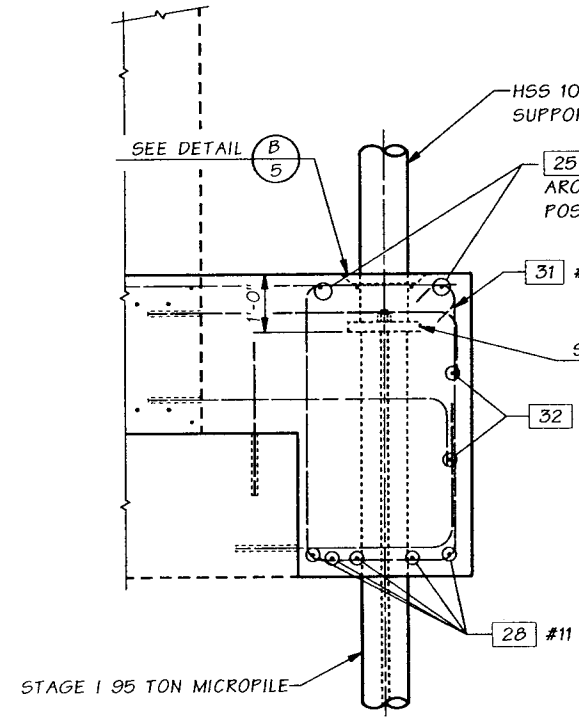
SHEET 34 OF 40 SHEETS

NOTE:

STEEL STRUT AT BENT 94W TO BE RE-INSTALLED.
NOT SHOWN FOR CLARITY.



SECTION P / 17



SECTION PP / 17

3" CLEAR TO ALL BARS AROUND EXTERIOR FACES OF FOOTING.
EXISTING PILING & REINFORCEMENT NOT SHOWN FOR CLARITY.

SR 99 JOB NO. 7021 SHEET 18

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 94 NEW FTG 2.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT				10	WASH.			
Designed By	Swett, GD				JOB NUMBER				
Checked By	Gallagher, P				07A805				
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Mon Jul 23 13:39:33 2007

GEOFFREY D. SWETT — STATE OF WASHINGTON — 36800 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 7/23/07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

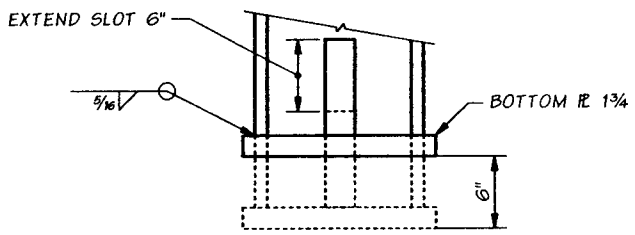
Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 94 FOOTING DETAILS

BRIDGE SHEET NO. 18

SHEET 35 OF 40 SHEETS

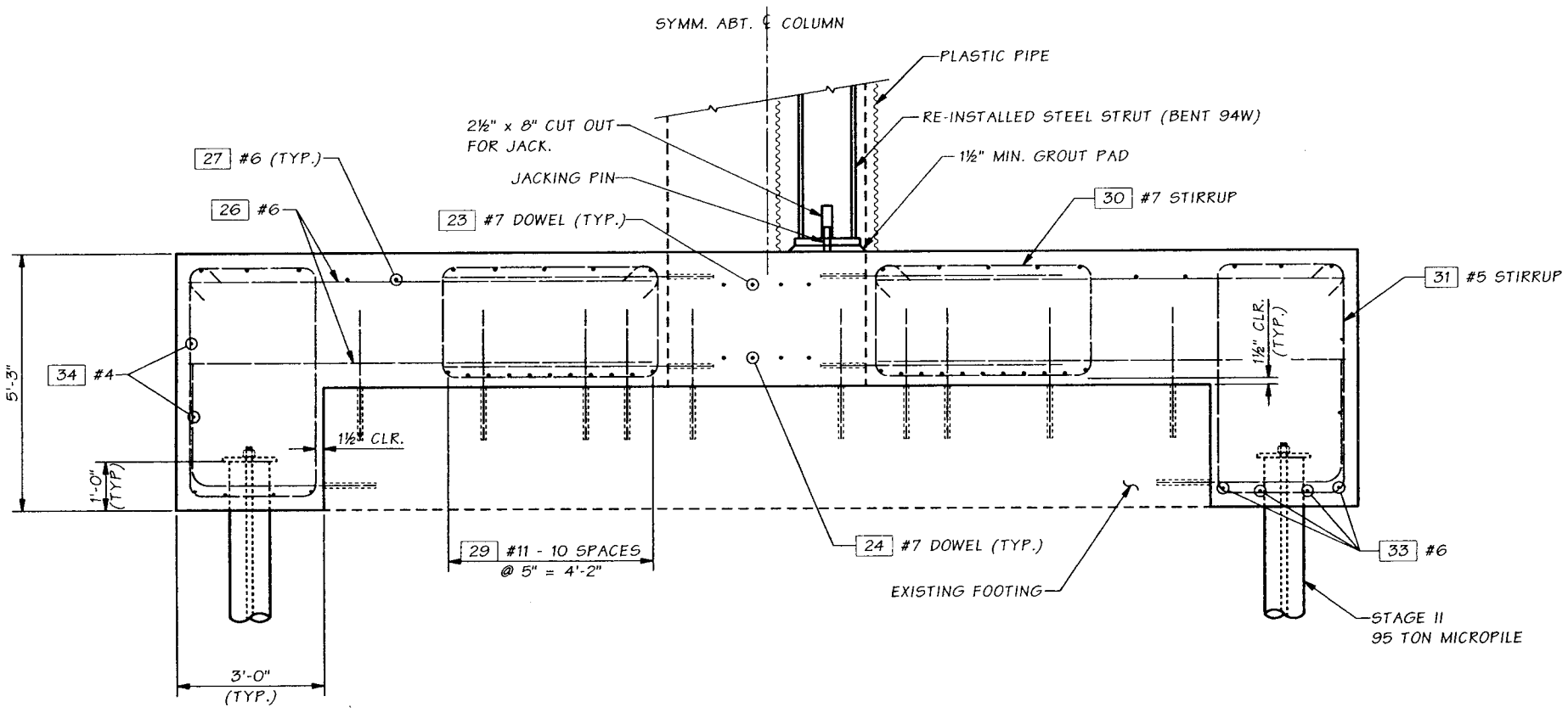


1. CUT BOTTOM ℄ FROM STEEL STRUT.
2. REMOVE 6" (-0,+½) OF THE STEEL STRUT.
3. GRIND BOTTOM OF STRUT AND BOTTOM ℄ AT INTERFACE AND RE-WELD ℄ TO STRUT.
4. EXTEND CUT-OUT FOR JACK TO PROVIDE A 2½" X 8" SLOT.

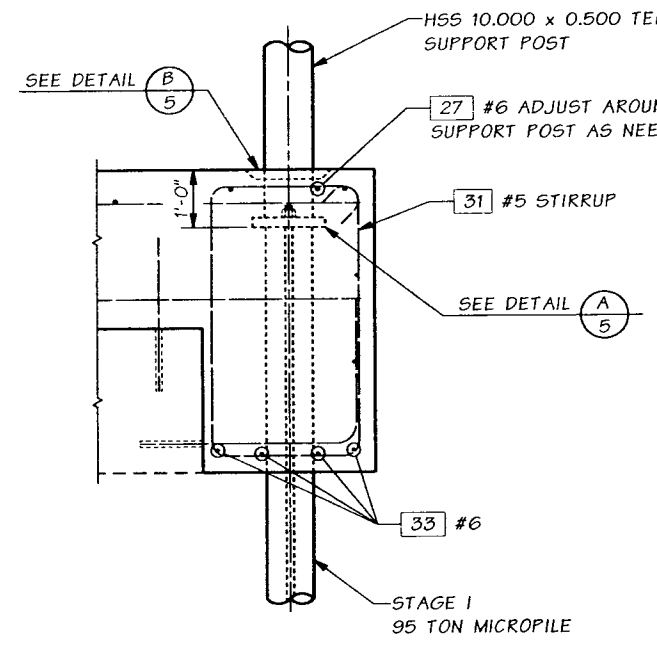
EXISTING SUPPORT STRUT MODIFICATION DETAILS

STEEL STRUT MODIFICATION PROCEDURE

1. REMOVE STEEL STRUT AND PLASTIC PIPE.
2. MODIFY EXISTING STEEL STRUT AS SHOWN.
3. REPAIR SPALLS PER BRIDGE SHEET 20.
4. AFTER COMPLETION OF FOOTING RETROFIT RE-INSTALL STEEL STRUT AGAINST ELASTOMERIC BEARING PAD GLUED TO THE BOTTOM OF THE EXISTING CONCRETE EDGE BEAM. RE-INSTALL BOLTS BETWEEN THE CONNECTION ANGLES ATTACHED TO THE CONCRETE COLUMN AND THE ANGLES ON THE STRUT. LEAVE BOLTS LOOSE. PLACE TEMPORARY SHIMS UNDER STRUT BOTTOM BASE PLATE IF REQUIRED.
5. JACK STEEL STRUT AGAINST EDGE BEAM TO A FORCE OF 10 KIPS.
6. REMOVE ANY TEMPORARY SHIMS AND GROUT UNDER STRUT BASE PLATE.
7. RELEASE AND REMOVE JACK AFTER GROUT HAS ATTAINED A STRENGTH OF 4000 PSI.
8. TIGHTEN BOLTS IN CONNECTION ANGLES ATTACHED TO THE CONCRETE COLUMN AND STEEL STRUT.
9. RE-INSTALL PLASTIC PIPE AND BACKFILL FOOTING.



SECTION N / 17



SECTION NN / 17

3" CLEAR TO ALL BARS AROUND EXTERIOR FACES OF FOOTING.
EXISTING PILING & REINFORCEMENT NOT SHOWN FOR CLARITY.

SR 99 JOB NO. 7021 SHEET 19

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\BENT 94 NEW FTG 3.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD					JOB NUMBER 07A805				
Checked By	Gallagher, P									
Detailed By	Schicchi, V.B.									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:34 2007

GEOFFREY D. SWETT — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 7/23/07

BRIDGE AND STRUCTURES OFFICE

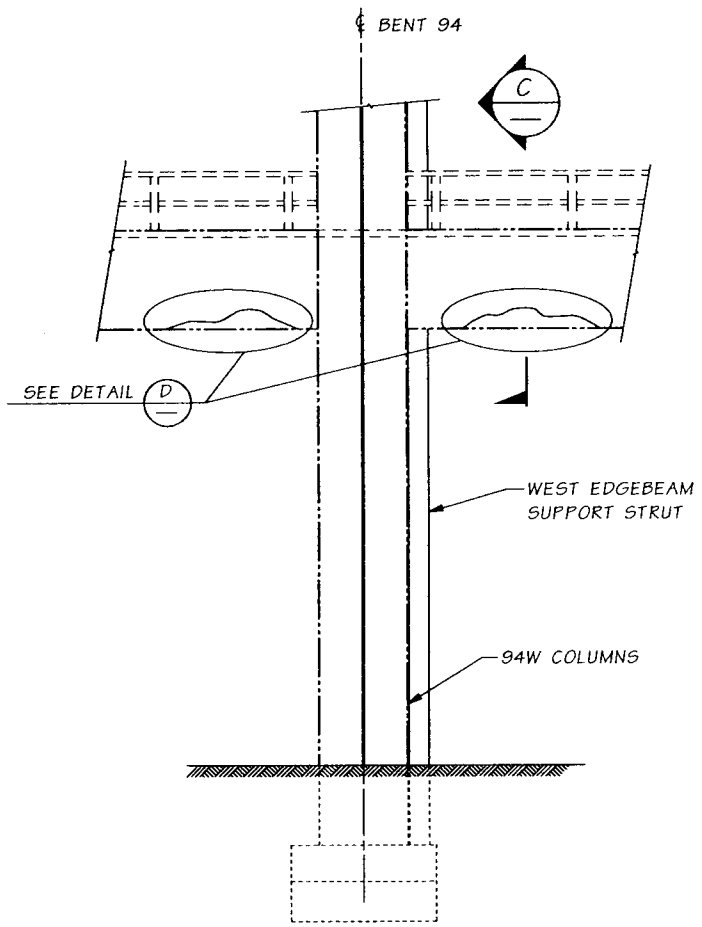
JUGESH KAPUR — STATE OF WASHINGTON — PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

Washington State Department of Transportation

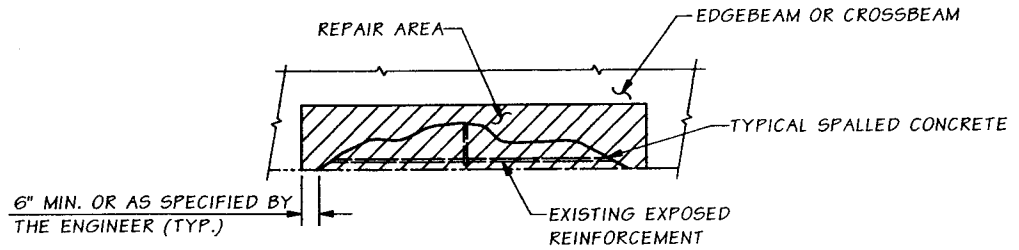
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BENT 94 FOOTING DETAILS

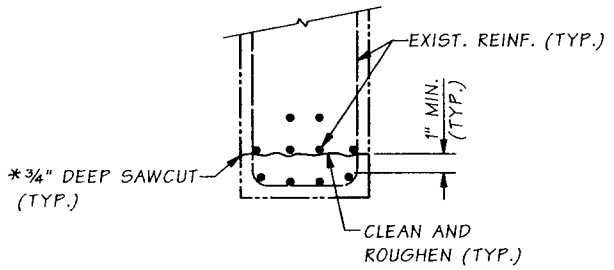
BRIDGE SHEET NO. 19
SHEET 36 OF 40 SHEETS



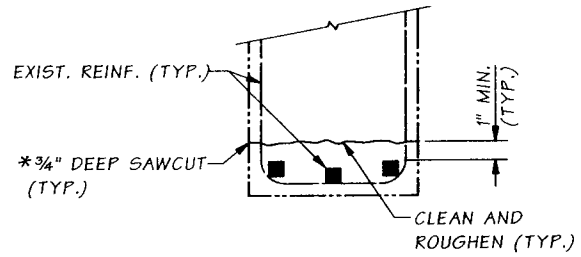
DETAIL Z (FACING EAST) 2



DETAIL D

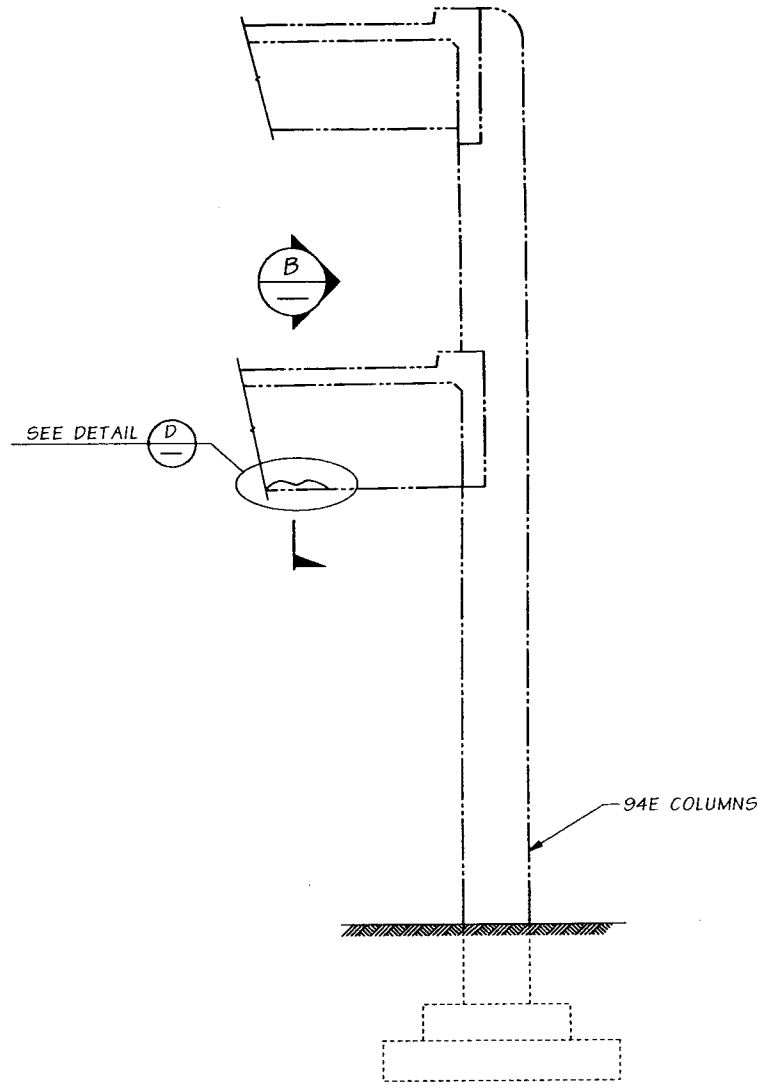


SECTION C



SECTION B

* SAWCUT DEPTH MAY BE REDUCED OR ELIMINATED IF CONCRETE COVER OVER EXISTING REINFORCEMENT STEEL IS ¾" OR LESS.



SECTION A (FACING NORTH) 2

REPAIR PROCEDURE

1. REMOVE DAMAGED AND UNSOUND CONCRETE TO THE LIMITS SHOWN OR AS SPECIFIED BY THE ENGINEER. THE CONCRETE IN THE REPAIR AREA SHALL BE SOUNDED TO VERIFY ALL UNSOUND CONCRETE HAS BEEN REMOVED. PROVIDE A ¾" DEEP SAWCUT AT ALL EDGES OF THE REPAIR. CONCRETE SHALL BE REMOVED AROUND ALL EXPOSED REBAR TO PROVIDE A MINIMUM OF 1" CLEARANCE AROUND THE BAR FOR CONCRETE PLACEMENT. EXTREME CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING REINFORCEMENT. ANY DAMAGED REINFORCEMENT SHALL BE REPAIRED BY THE CONTRACTOR WITH A METHOD APPROVED BY THE ENGINEER.
2. SANDBLAST OR WIRE BRUSH RUST FROM EXPOSED AND RUSTED REINFORCEMENT.
3. INSTALL BEAM FORMWORK AND PLACE CONCRETE PATCHING MATERIAL. THE CONCRETE PATCHING MATERIAL SHALL CONFORM TO SECTION 9-20.2(2). THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL BY THE ENGINEER, THE PATCHING MATERIAL AND METHOD OF PLACEMENT.
4. INSPECT THE REMAINING PORTIONS OF THE EDGEBEAMS AND CROSSBEAMS IN THE VICINITY OF BENT 93 AND 94 AND EPOXY INJECT ALL CRACKS AS SPECIFIED BY THE ENGINEER.

SR 99 JOB NO. 7021 SHEET 20

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\EDGEBEAM REPAIRS.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Clarke, PT					10	WASH.			
Designed By	Swett, GD					JOB NUMBER 07A805				
Checked By	Gallagher, P									
Detailed By	Schicchi, VB									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

Mon Jul 23 13:39:35 2007

GEOFFREY D. SWETT — STATE OF WASHINGTON — 21603 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 8/7/08 — 9/26/07

BRIDGE AND STRUCTURES OFFICE

JUGESH KAPUR — STATE OF WASHINGTON — 21603 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 5/19/08 — 7-23-07

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BEAM REPAIRS

BRIDGE SHEET NO. 20

SHEET 37 OF 40 SHEETS

S = Bar is included in substructure quantities.
L = Lump sum quantity.
T = Transverse or S = Seismic
E = Bar is to be epoxy coated.
V = Bar dimensions vary between dimensions shown on this line and the following line.

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (Out to Out) U Ft.	U In.	W Ft.	W In.	X Ft.	X In.	Y Ft.	Y In.	Z Ft.	Z In.	θ1 Deg.	θ2 Deg.	LENGTH Ft.	LENGTH In.	WEIGHT Lbs.
	BENT 93																								
1	exist	8	36	50	T		S				4	1.0											4	1	392
2	exist	8	88	74	T		S				3	9.0			2	6.0							6	0	1419
3	exist	8	52	50	T		S				2	8.0											2	8	370
4	footing	6	64	56	T		S				20	6.0											22	2	2133
5	footing	6	64	56	T		S				23	6.0											25	2	2421
6	footing	6	12	54	T		S				9	0.0											9	10	177
7	footing	6	12	54	T		S				8	0.0											8	10	159
8	footing	11	60	56			S				20	6.0											23	10	7589
9	footing	11	56	56			S				23	6.0											26	10	7976
10	footing	4	180	83	T		S				2	7.5	5	6.0									16	9	2012
11	footing	5	68	70			S				4	0.0	7	0.5	7	0.5							18	12	1345
12	footing	5	68	59			S				7	1.0											8	4	593
13	footing	4	12	50			S				20	6.0											20	6	164
14	footing	4	12	50			S				23	6.0											23	6	188
15	footing	5	64	59			S				2	6.0											3	9	252
16	exist	7	72	50			S				3	11.0											3	11	576
	BENT 94																								
20	existing	8	88	50	T		S				3	10.0											3	10	901
21	existing	8	40	50	T		S				2	8.0											2	8	285
22	existing	8	72	74	T		S				3	9.0	2	6.0									6	0	1161
23	existing	7	16	54	T		S				5	4.5											6	4	208
24	existing	7	16	54	T		S				5	3.5											6	3	205
25	footing	6	16	50			S				23	6.0											23	6	565
26	footing	6	48	50			S				9	7.0											9	7	691
27	footing	6	44	50			S				14	6.0											14	6	958
28	footing	11	20	50			S				23	6.0											23	6	2497
29	footing	11	44	56			S				14	6.0											17	10	4162
30	footing	7	76	83	T		S				4	4.5	2	4.5									14	5	2244
31	footing	5	140	83	T						2	7.5	4	9.0									15	4	2242
32	footing	4	8	50	T		S				23	6.0											23	6	126
33	footing	6	16	50	T		S				14	6.0											14	6	348
34	footing	4	8	50	T		S				14	6.0											14	6	77
35	existing	7	48	50			S				4	11.0											4	11	482

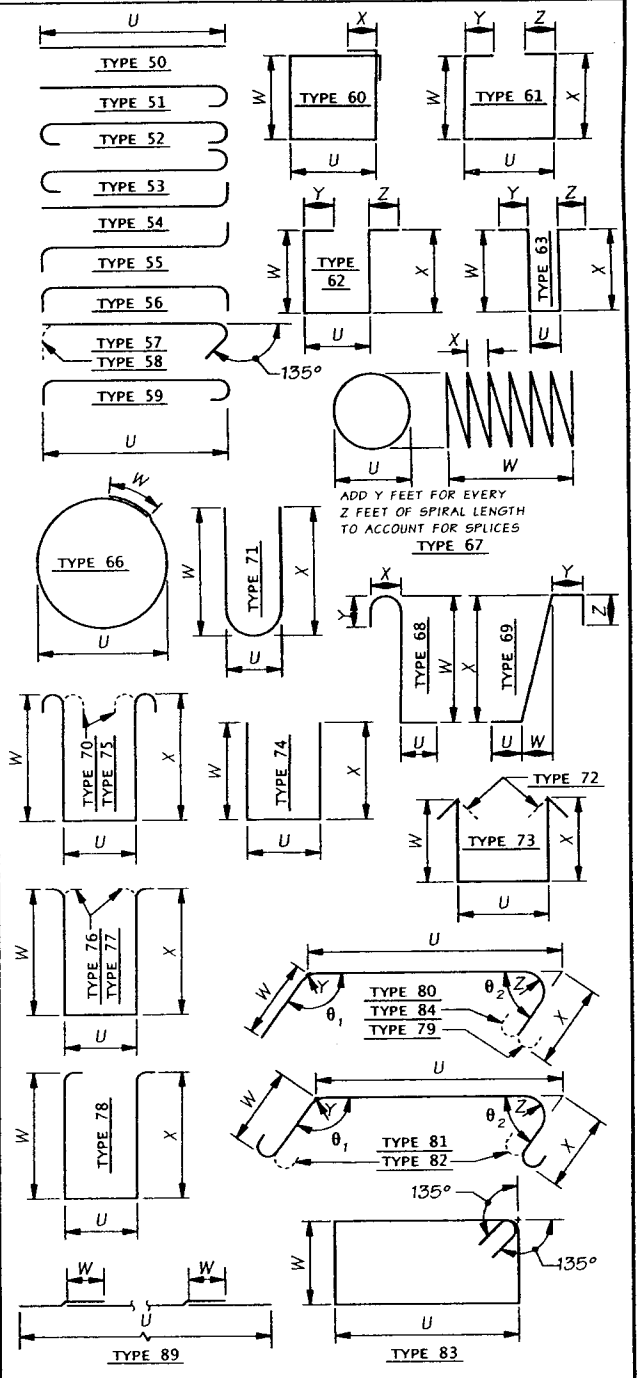
S = Bar is included in substructure quantities.
L = Lump sum quantity.
T = Transverse or S = Seismic
E = Bar is to be epoxy coated.
V = Bar dimensions vary between dimensions shown on this line and the following line.

MARK NO.	LOCATION	SIZE	NO REQ'D	BEND TYPE	TIE OR STIR.	LUMP SUM	SUBSTR.	EPOXY COAT	VARIES	NO. EACH	DIMENSIONS (Out to Out) U Ft.	U In.	W Ft.	W In.	X Ft.	X In.	Y Ft.	Y In.	Z Ft.	Z In.	θ1 Deg.	θ2 Deg.	LENGTH Ft.	LENGTH In.	WEIGHT Lbs.

STEEL REINFORCING BAR QUANTITIES NOT INCLUDED IN THIS BAR LIST

TRAFFIC BARRIER
BRIDGE GRATE INLETS
RETAINING WALL

BENDING DIAGRAMS



NOTE:

1. ALL REINFORCING BARS ON THIS SHEET SHALL BE AASHTO M-31 UNLESS SHOWN OTHERWISE.
2. REINFORCING FOR TRAFFIC BARRIERS NOT SHOWN IN THE BAR LIST, SEE TRAFFIC BARRIER SHEET.
3. BEND FOR TRANSVERSE BARS DUE TO ROADWAY CROWN CONDITIONS HAS NOT BEEN SHOWN. THESE BARS SHALL BE BENT AS REQUIRED TO CONFORM TO THE CONFIGURATION OF THE STRUCTURE.

$ NUMBER AND LENGTH OF BARS TO BE DETERMINED BY THE CONTRACTOR FROM PLANS.

SR 99 JOB NO. 7021 SHEET 21

Bridge Design Engr.	Kapur, J	M:\Z-Team\Alaskan Way Ftgs\Window files\Barlist1.WND							
Supervisor	Clarke, PT								
Designed By									
Checked By									
Detailed By	Schicchi, V.B.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 07AB05				

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

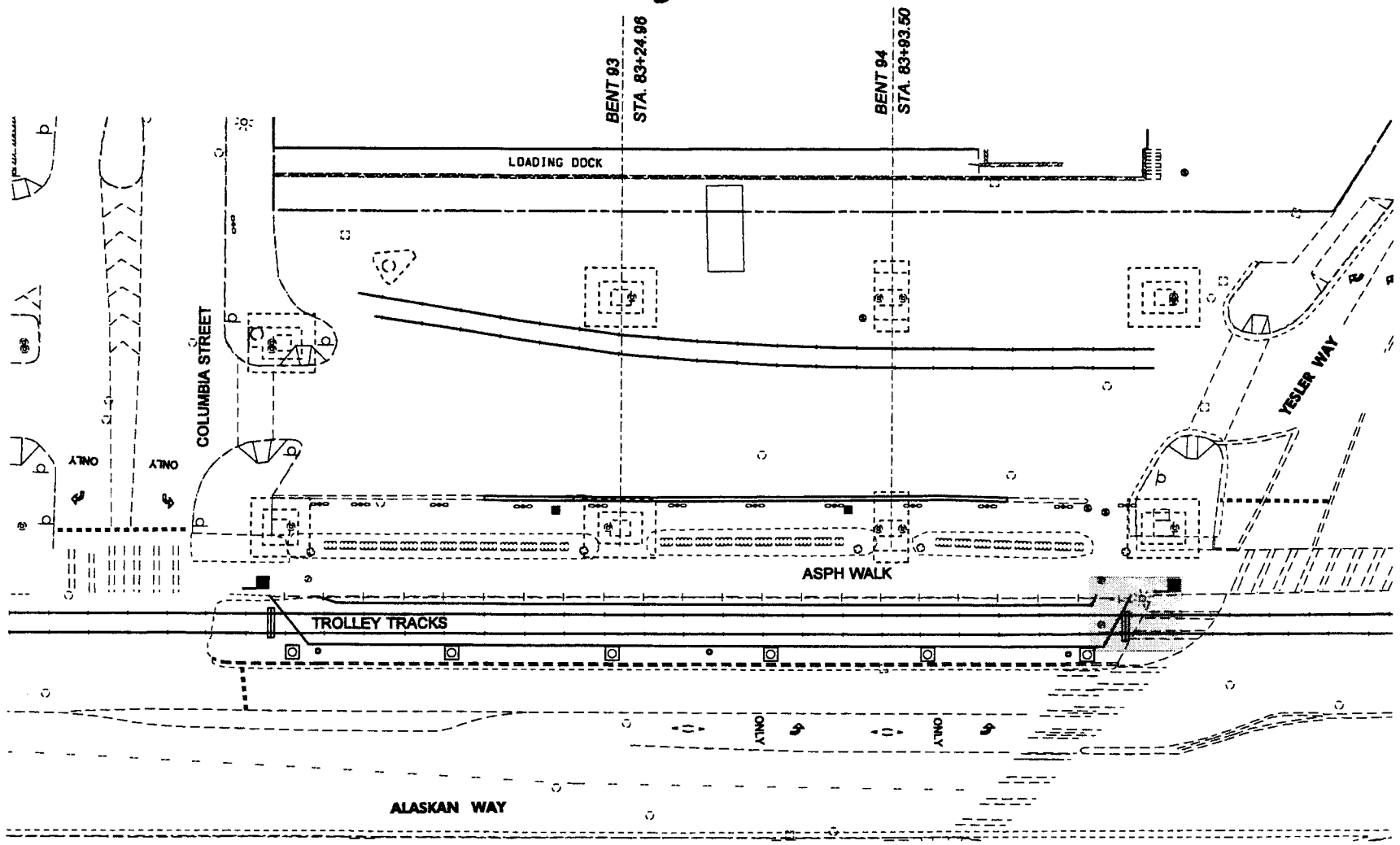
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION
ALASKAN WAY VIADUCT BRIDGE Nos. 99/540NB&SB

BARLIST

BRIDGE SHEET NO. 21
SHEET 38 OF 40 SHEETS

Mon Jul 23 13:39:36 2007

T.24N. R.4E. W.M.
City of Seattle



CHANNELIZING DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

WATERFRONT PEDESTRIAN/ BICYCLE FACILITY DETOUR

LEGEND

- SIGN
- TYPE II BARRICADE
- FLAGGER STATION
- WASTE CONTAINER
- EXISTING EASEMENT
- TEMPORARY TRAFFIC CONTROL DEVICES
- TEMPORARY CONSTRUCTION FENCE

0 20 40
SCALE IN FEET

GENERAL NOTES:

1. TYPE II BARRICADE AND TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE PLACED DURING CONSTRUCTION OF THE WATERFRONT PEDESTRIAN/ BICYCLE FACILITY.
2. REMOVE TYPE II BARRICADE AND TEMPORARY TRAFFIC CONTROL DEVICES WHEN CONSTRUCTION OF THE WATERFRONT PEDESTRIAN/ BICYCLE FACILITY IS COMPLETE.
4. DETOUR TO REMAIN DURING CONTRACT SUSPENSION. SEE SPECIAL PROVISION, PROSECUTION & PROGRESS.

FILE NAME	c:\AAwork\PWwork\AWV\JoneskJ\dms03962\AD_L3082_PS_TC_01.dgn								
TIME	10:58:17 AM				REGION NO.	STATE	FED.AID PROJ.NO.		
DATE	8/15/2007				10	WASH			
PLOTTED BY	joneskj				JOB NUMBER				
DESIGNED BY	S. SOBHANI				07A805				
ENTERED BY	K. IRELAND				CONTRACT NO.		LOCATION NO.		
CHECKED BY	S. SOBHANI								
PROJ. ENGR.	P. LACY	REVISIONS SHADED	8/14/07	JGC					
REGIONAL ADM.	D. DYE	REVISION	DATE	BY					

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

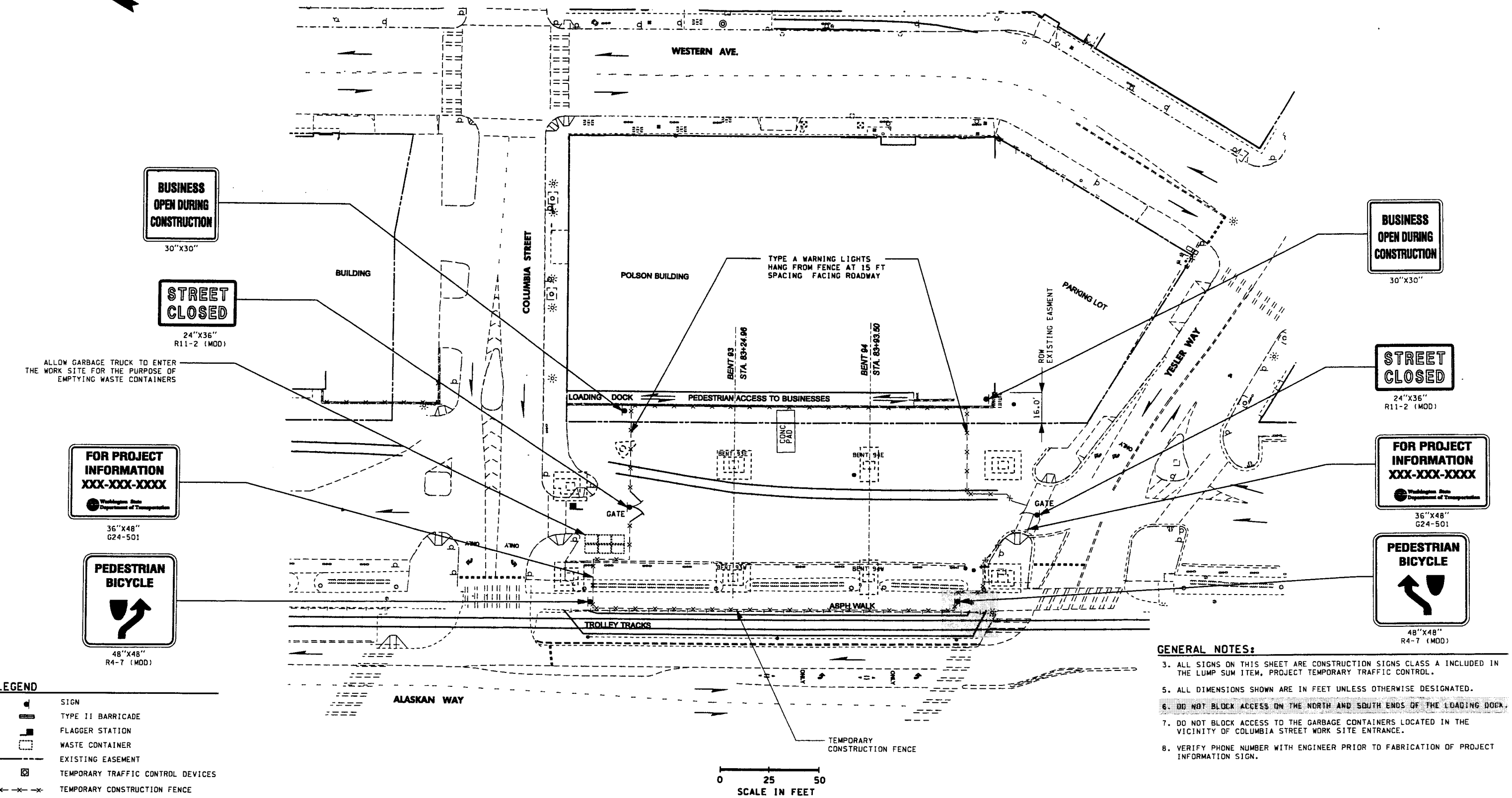
SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

TRAFFIC CONTROL PLAN

TC1

SHEET 39 OF 40 SHEETS

T.24N. R.4E. W.M.
City of Seattle



LEGEND

- SIGN
- TYPE II BARRICADE
- FLAGGER STATION
- WASTE CONTAINER
- EXISTING EASEMENT
- TEMPORARY TRAFFIC CONTROL DEVICES
- TEMPORARY CONSTRUCTION FENCE

GENERAL NOTES:

3. ALL SIGNS ON THIS SHEET ARE CONSTRUCTION SIGNS CLASS A INCLUDED IN THE LUMP SUM ITEM, PROJECT TEMPORARY TRAFFIC CONTROL.
5. ALL DIMENSIONS SHOWN ARE IN FEET UNLESS OTHERWISE DESIGNATED.
6. DO NOT BLOCK ACCESS ON THE NORTH AND SOUTH ENDS OF THE LOADING DOCK.
7. DO NOT BLOCK ACCESS TO THE GARBAGE CONTAINERS LOCATED IN THE VICINITY OF COLUMBIA STREET WORK SITE ENTRANCE.
8. VERIFY PHONE NUMBER WITH ENGINEER PRIOR TO FABRICATION OF PROJECT INFORMATION SIGN.

FILE NAME	c:\AAwork\PWwork\AWV\JonesKJ\dms03962\AD_L3082_PS_TC_02.dgn
TIME	10:55:53 AM
DATE	8/15/2007
PLOTTED BY	joneskj
DESIGNED BY	R. A. BEAN
ENTERED BY	Y. GONZALEZ
CHECKED BY	K. JONES
PROJ. ENGR.	P. LACY
REGIONAL ADM.	D. DYE

REVISIONS SHADED	8/14/07	YG
REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
07A805		
CONTRACT NO.	LOCATION NO.	

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 99
YESLER WAY VICINITY
FOUNDATION STABILIZATION

TRAFFIC CONTROL PLAN

TC2

SHEET 40 OF 40 SHEETS