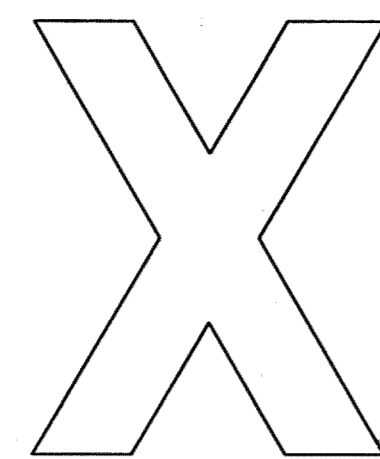
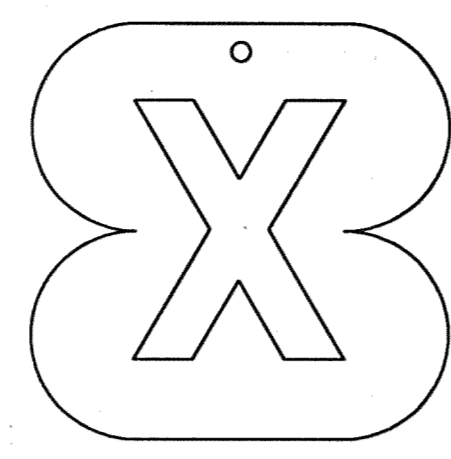


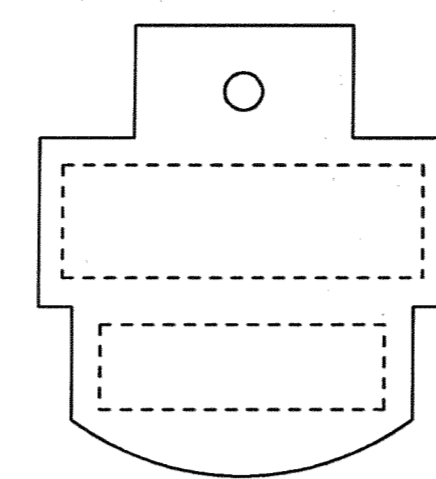
24,000 VOLT TRUNK LINE



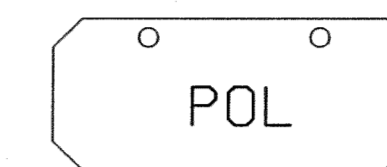
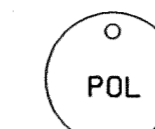
O.H. LINE PHASE TAG



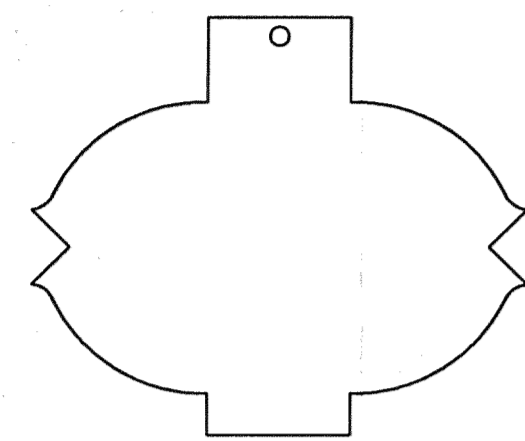
O.H. LINE OR POTHEAD PHASE TAG



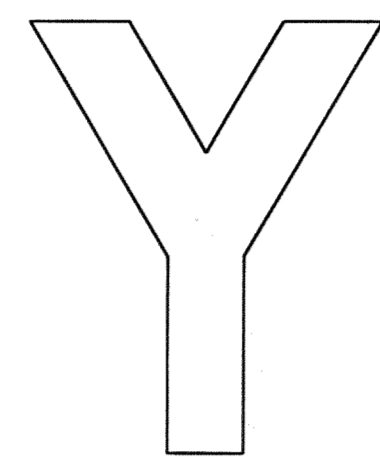
MULTIPLE STREET LIGHTING ALL VOLTAGES



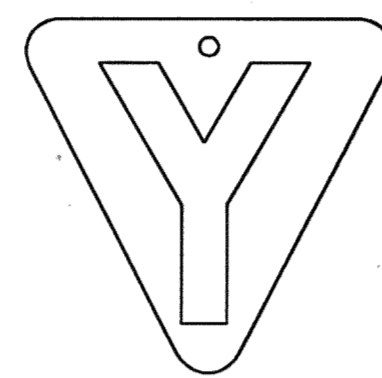
COMMUNICATION



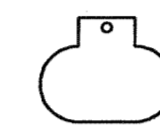
24,000 VOLT FEEDER



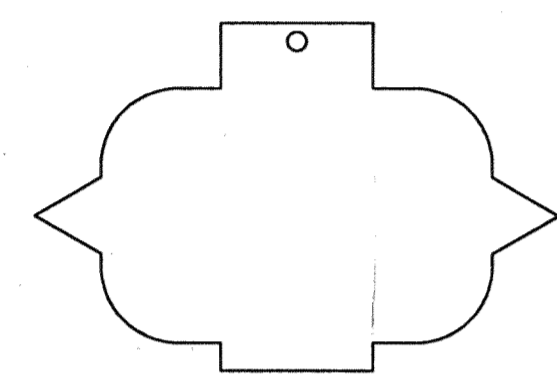
O.H. LINE PHASE TAG



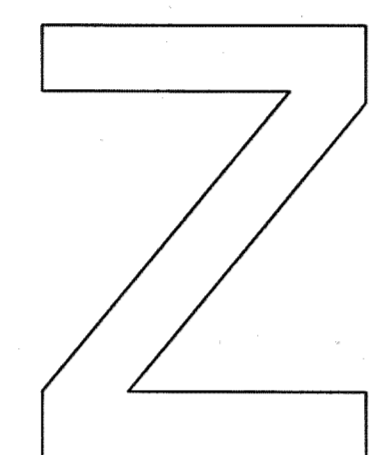
O.H. LINE OR POTHEAD PHASE TAG



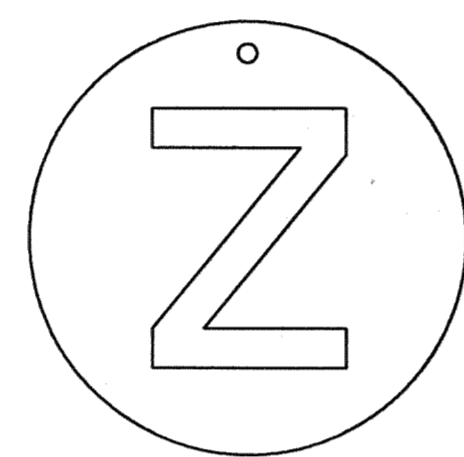
MULTIPLE INC. LTG.



13200 VOLT FEEDER



O.H. LINE PHASE TAG



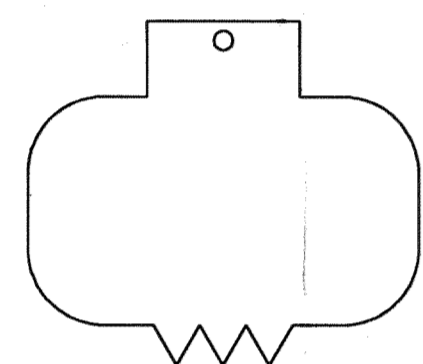
O.H. LINE OR POTHEAD PHASE TAG



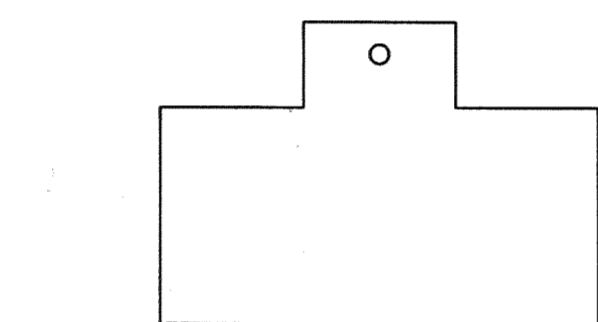
TRAFFIC SIGNALS

SUBSTATION & CIRCUIT ABBREVIATIONS ON IDENTIFICATION TAGS SHALL BE SPELLED AS FOLLOWS

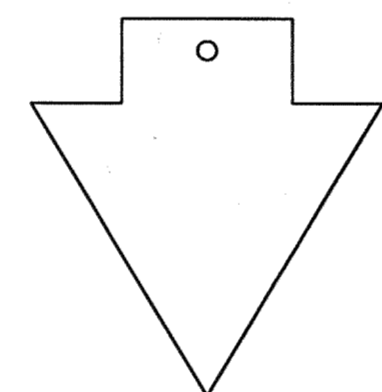
- | | | |
|------|------|------|
| BEL. | KSG. | POR. |
| BUT. | LAB. | RUS. |
| CAN. | LEE. | STA. |
| COB. | LOT. | STO. |
| CON. | LUD. | TOW. |
| CUS. | MAP. | TRI. |
| GRF. | MCC. | TUR. |
| HUD. | MON. | WAL. |
| JSC. | PAL. | WSU. |
| JOY. | PHI. | JEF. |



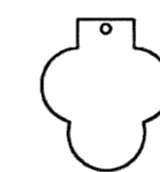
7200 VOLT FEEDER



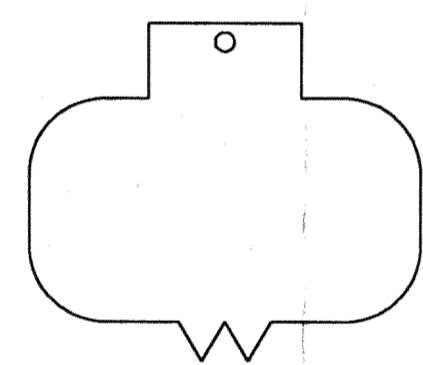
SUPERVISORY CONTROL



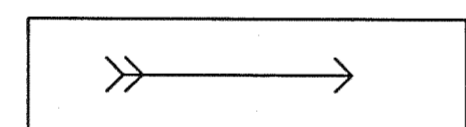
DEAD CABLE



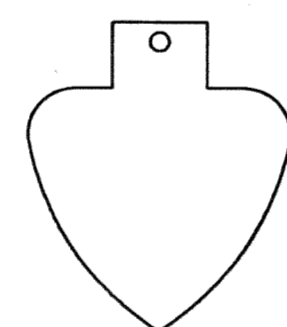
SECONDARY POWER TO SAFETY ISLANDS & TRAFFIC SIGNALS



4800 & 5500 VOLT FEEDER



CIRCUIT DIRECTION



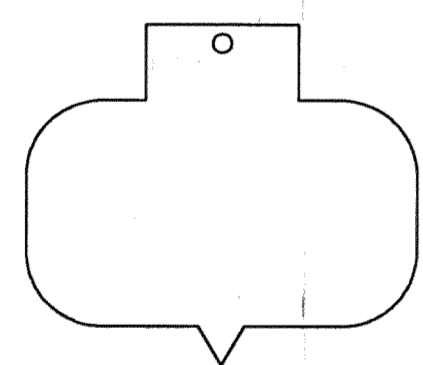
8/C COND. CABLE



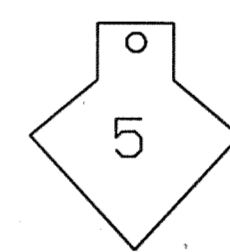
TRAFFIC SIGNAL CHRONOLIZER

NOTE:

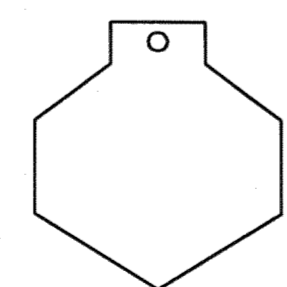
LEAD CABLE IDENTIFICATION TAGS WILL BE FURNISHED TO CONTRACTOR BY P.L.D. CABLE TAG MARKINGS SUCH AS SUBSTATION OR CABLE MARKINGS WILL BE AS SHOWN ON PLANS OR WILL BE FURNISHED BY P.L.D.



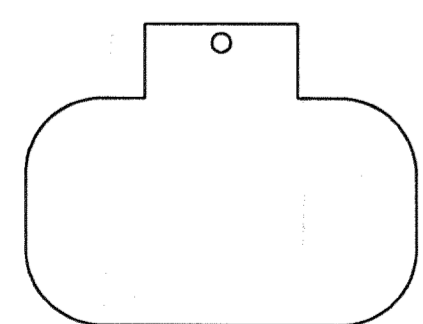
2400 VOLT FEEDER



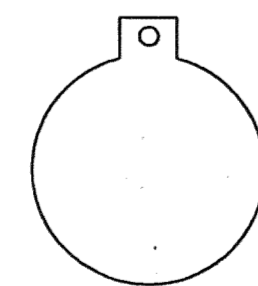
ST. LTG. COND. NO. (FROM 8/C CABLE)



MULTIPLE LTG, CONTROL



MISCELLANEOUS



ST. LTG. CIRC. NUMBER

IDENTIFICATION TAGS

MATERIAL : LEAD

JEFFERSON AVE OVER DEQUINDRE CUT

CABLE TAGS DETAILS

MANSELL ASSOCIATES INC.



ENGINEERING CONSULTANTS
33608 Grand River
Farmington, MI. 48335
(248) 473-7070

Job No.
49717A

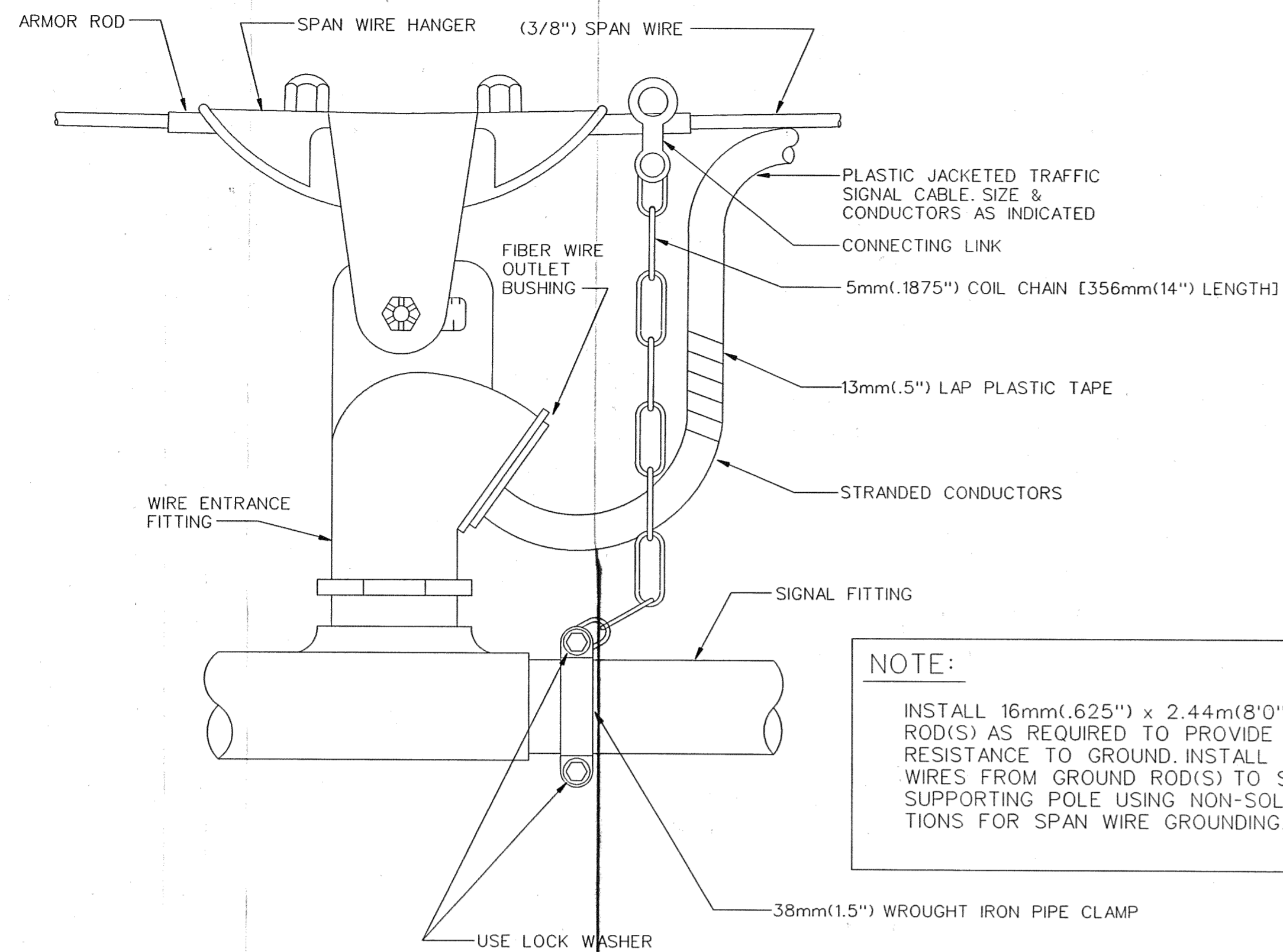
Drawn M.A.I.
Checked
Drwg. No. 21 OF 25
File No. M4044

Scale
No Scale
Checked by
Approved by

PUBLIC LIGHTING DEPARTMENT
CITY OF DETROIT

208

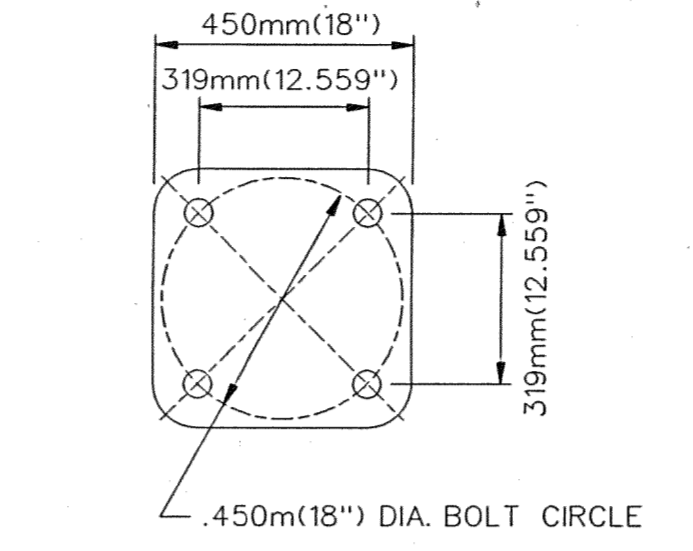
27-1104
Sheet No. 41
Date 02-11-05



SPAN WIRE FITTING & WEATHER CAP

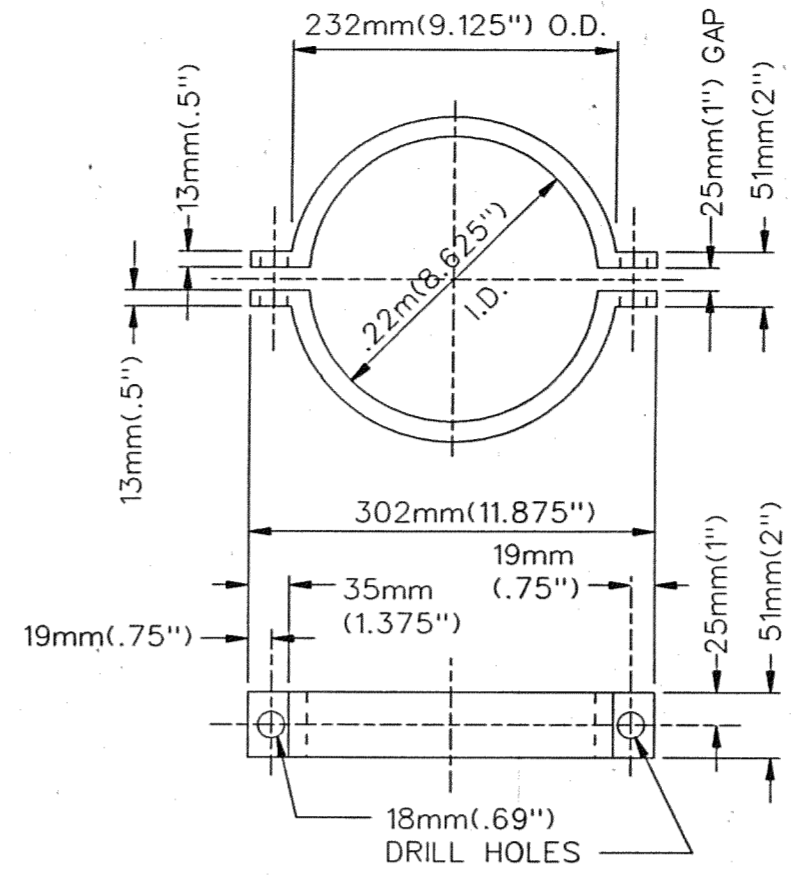
N.T.S.

NOTE:
 INSTALL 16mm(.625") x 2.44m(8'0") COPPER CLAD GROUND ROD(S) AS REQUIRED TO PROVIDE LESS THAN 10 OHM RESISTANCE TO GROUND. INSTALL #2 COPPER GROUND WIRES FROM GROUND ROD(S) TO SPAN WIRE AT EACH SUPPORTING POLE USING NON-SOLDER TYPE CONNECTIONS FOR SPAN WIRE GROUNDING.



ANCHOR BOLT PLAN

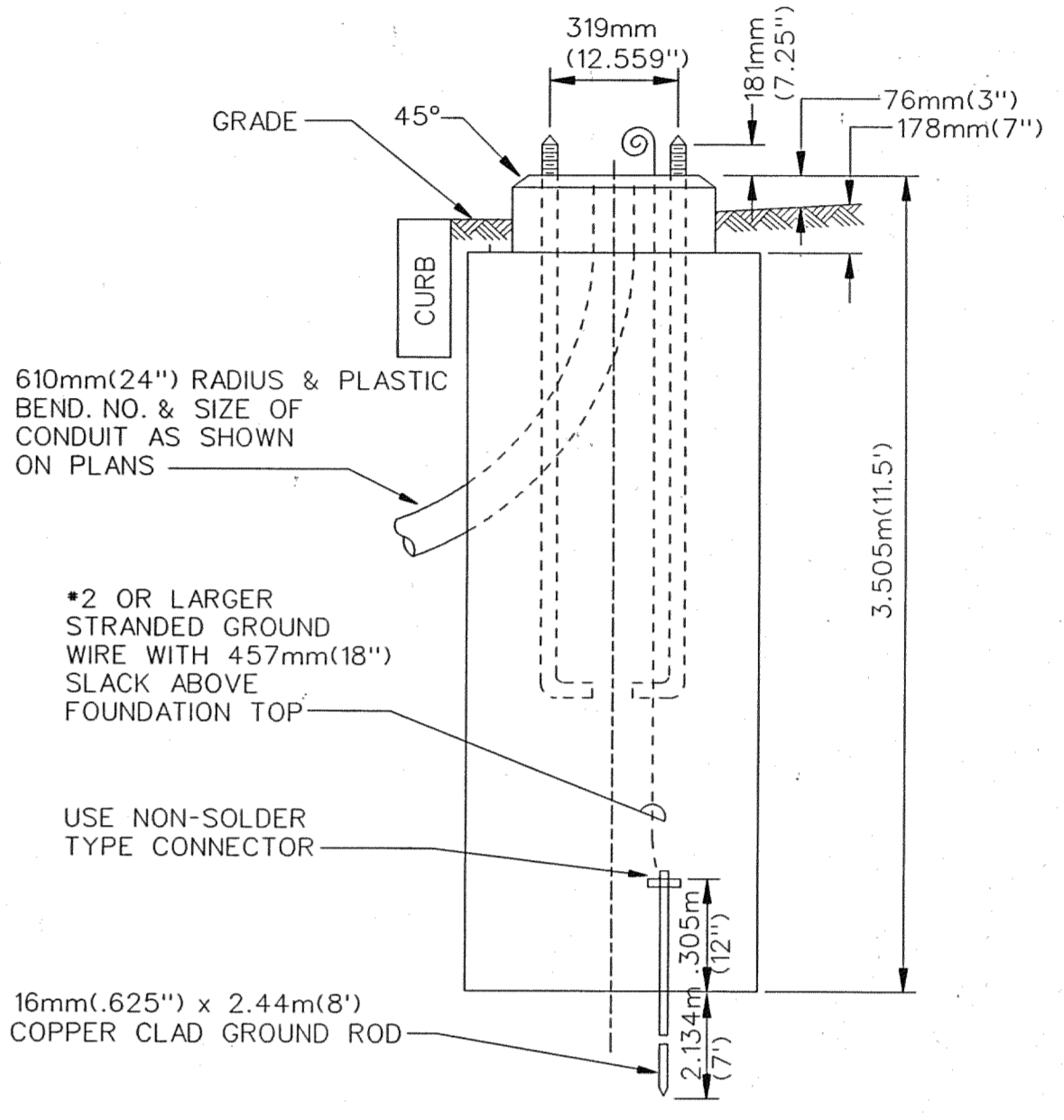
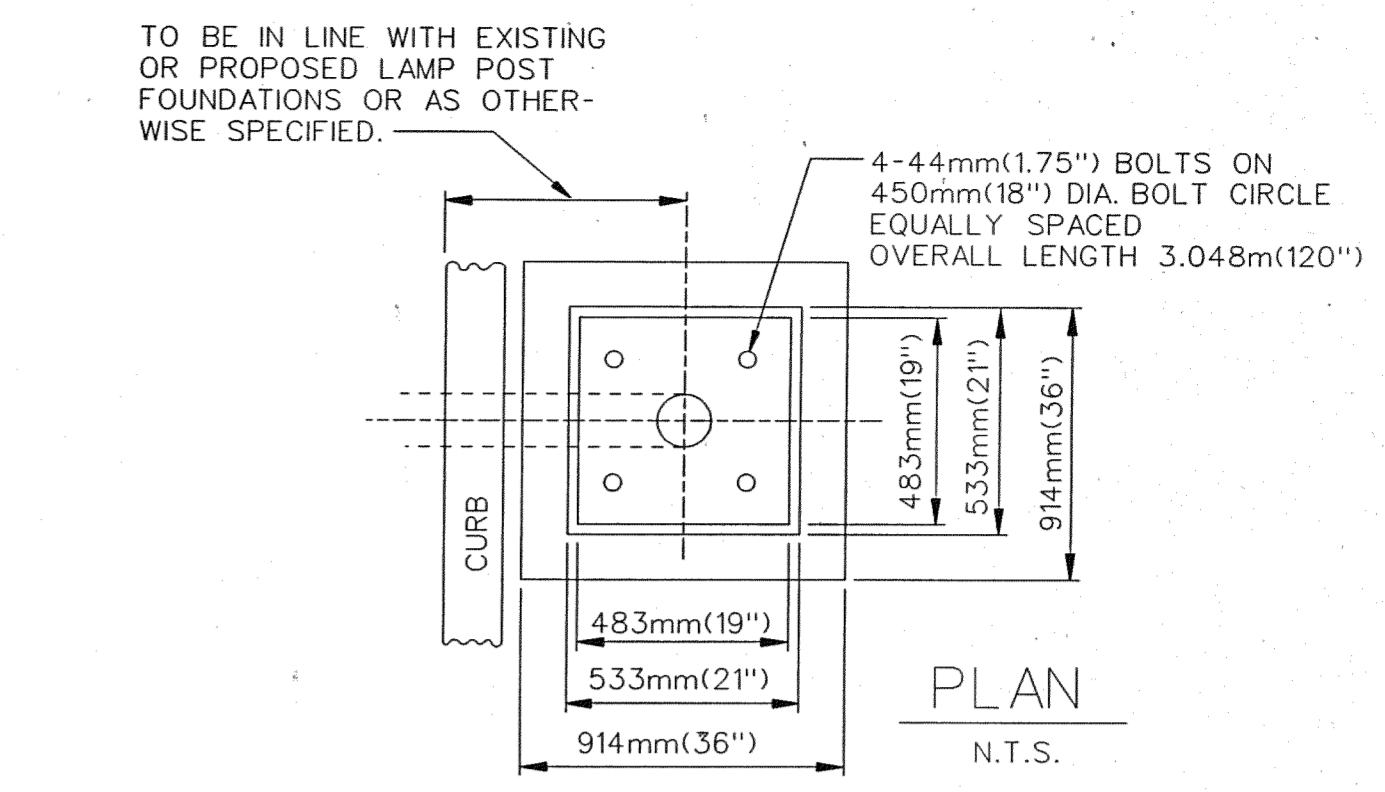
N.T.S.



SPAN WIRE CLAMP

N.T.S.

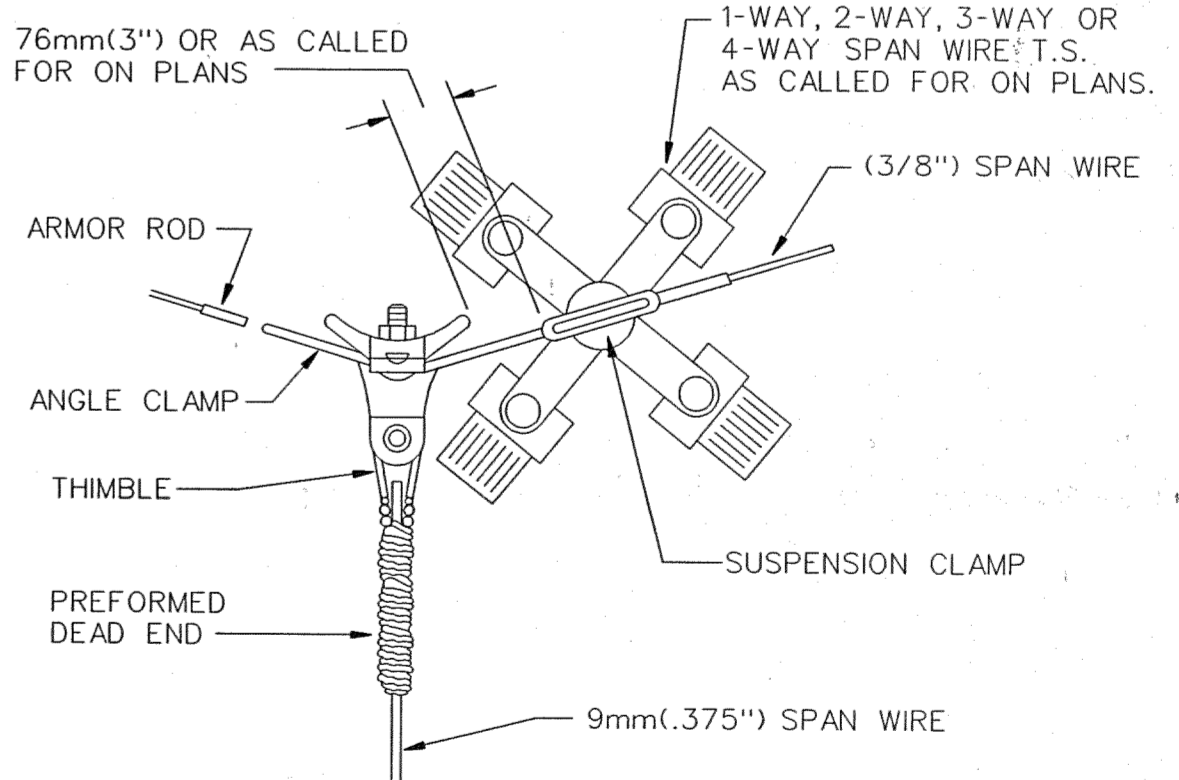
MATERIAL: 13mm(.5") X 13mm(.5") GALVANIZED STEEL



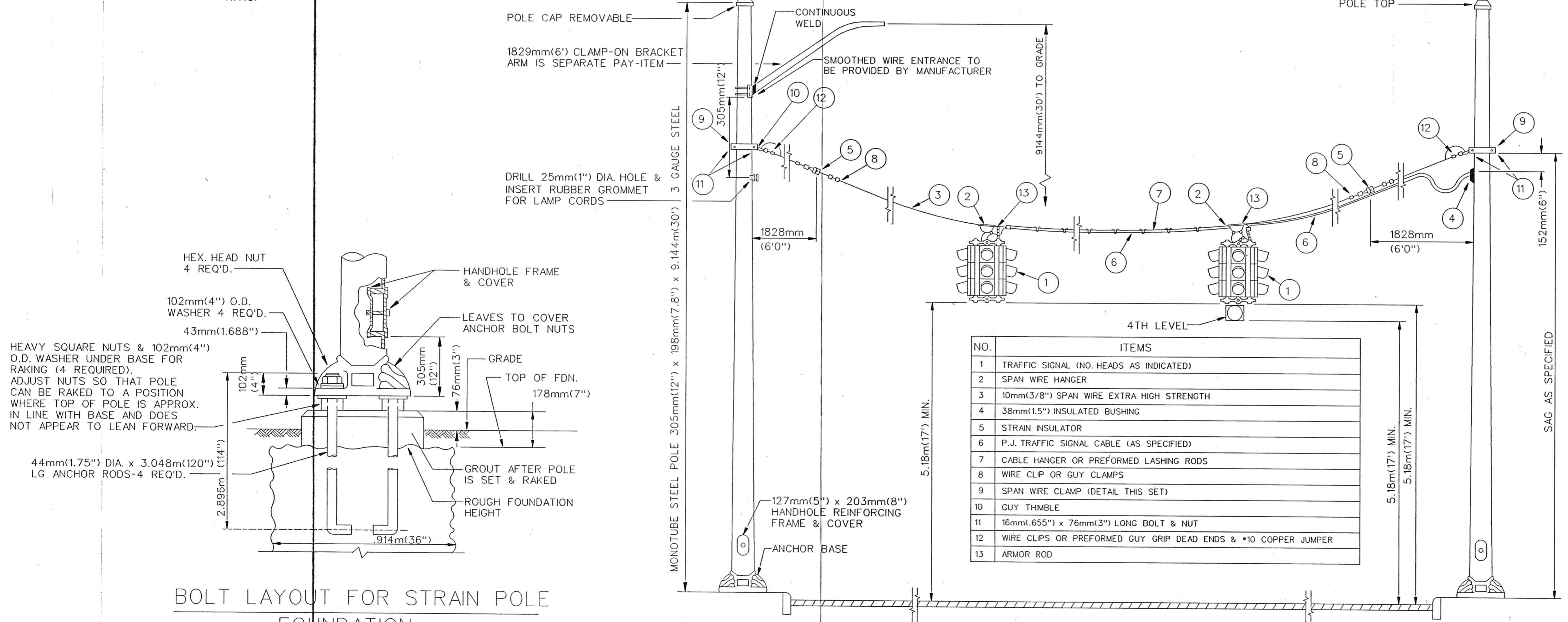
SPAN WIRE STEEL POLE FOUNDATION

N.T.S.

ALL FOUNDATION CAPS SHALL HAVE A SMOOTH FINISH WITH BEVELED EDGES & SHALL BE SHAPED TO ALLOW COMPLETE DRAINAGE OF WATER. ANCHOR BOLT PROJECTIONS ABOVE CAP SHALL BE CLEANED OF ALL CONCRETE & FULLY USABLE THEIR FULL LENGTH.



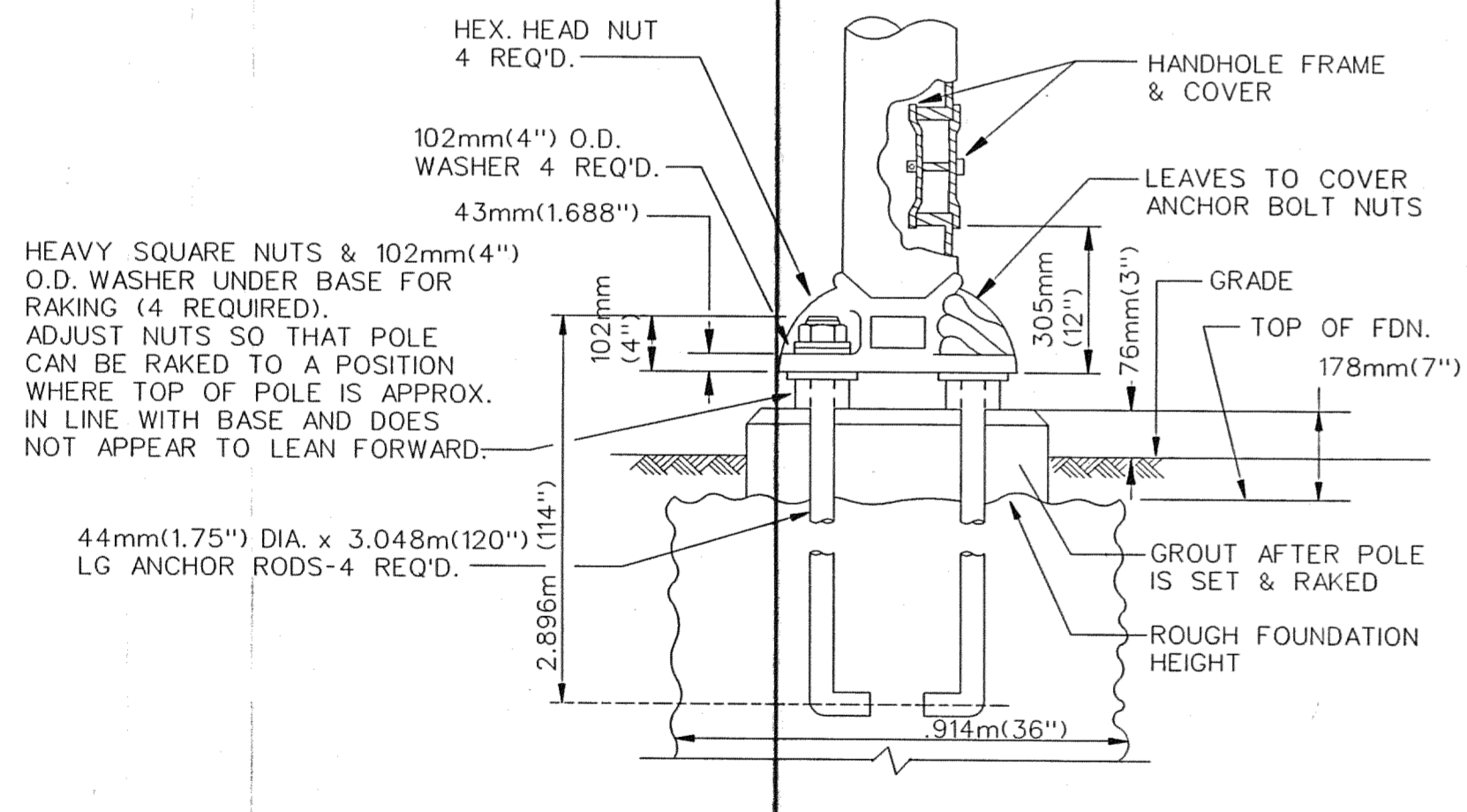
PULL-OFF CONNECTION FOR 3-WAY SUSPENSION



ELEVATION

N.T.S.

NO.	ITEMS
1	TRAFFIC SIGNAL (NO. HEADS AS INDICATED)
2	SPAN WIRE HANGER
3	10mm(3/8") SPAN WIRE EXTRA HIGH STRENGTH
4	38mm(1.5") INSULATED BUSHING
5	STRAN INSULATOR
6	P.J. TRAFFIC SIGNAL CABLE (AS SPECIFIED)
7	CABLE HANGER OR PREFORMED LASHING RODS
8	WIRE CLIP OR GUY CLAMPS
9	SPAN WIRE CLAMP (DETAIL THIS SET)
10	GUY THIMBLE
11	16mm(.655") x 76mm(3") LONG BOLT & NUT
12	WIRE CLIPS OR PREFORMED GUY GRIP DEAD ENDS & #10 COPPER JUMPER
13	ARMOR ROD



BOLT LAYOUT FOR STRAIN POLE FOUNDATION

N.T.S.

JEFFERSON AVE OVER DEQUINDRE CUT
 STEEL POLE T.S.SPAN WIRE INSTALLATION (CODE 113-00)

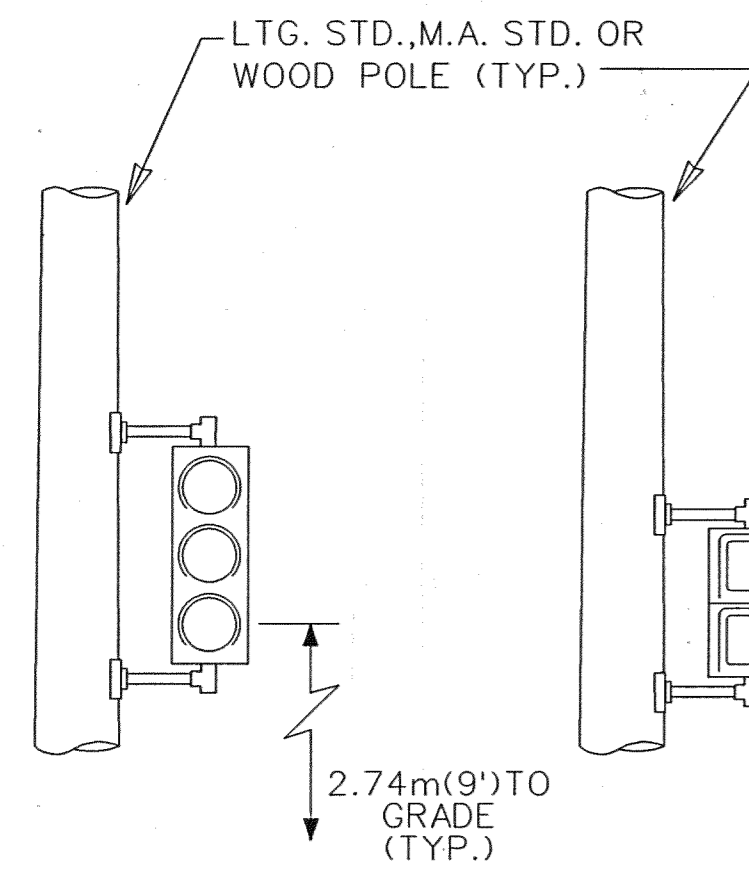
MANSSELL ASSOCIATES INC.
 ENGINEERING CONSULTANTS
 33608 Grand River
 Farmington, MI. 48335
 (248) 473-7070

Drawn: M.A.I.
 Checked: No Scale
 Drwg. No. 22 OF 25
 File No. M4044

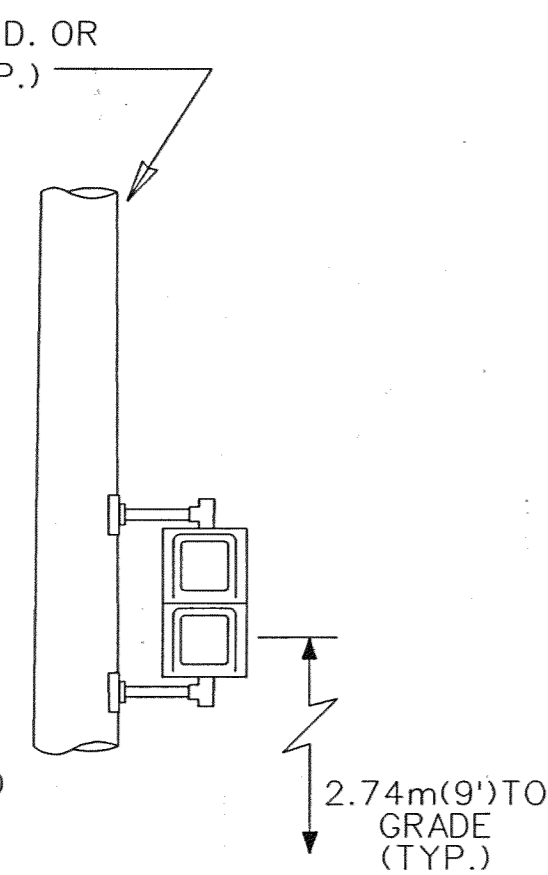
PUBLIC LIGHTING DEPARTMENT
 CITY OF DETROIT

507
 27-1104
 Sheet No. 42
 Date 02-11-05

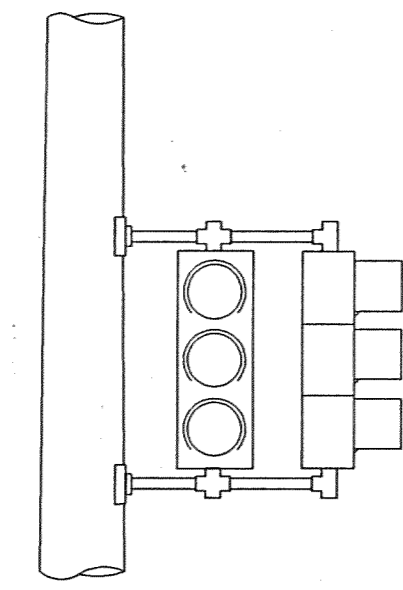
DISK FILE: 507PLDLM.MFR



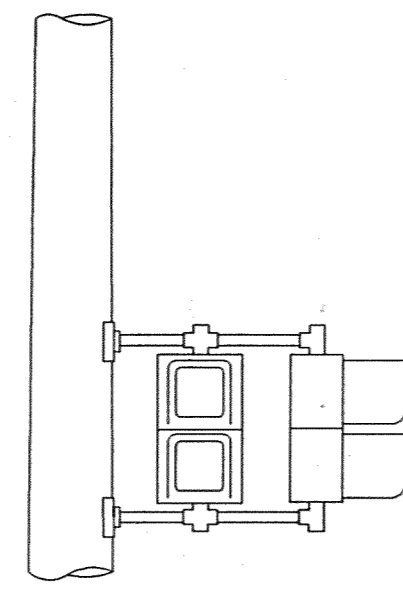
DETAIL "A-I"



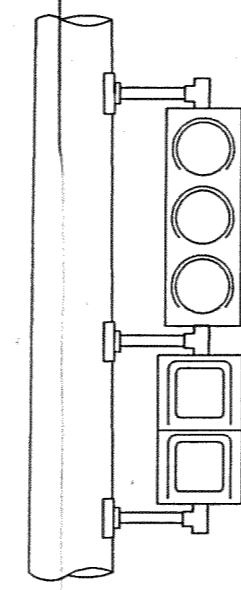
DETAIL "B-I"



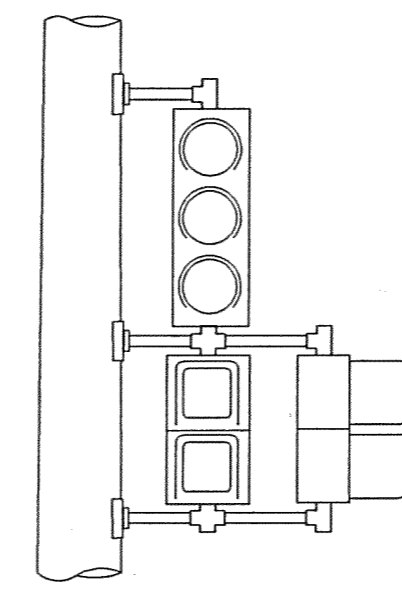
DETAIL "C-I"



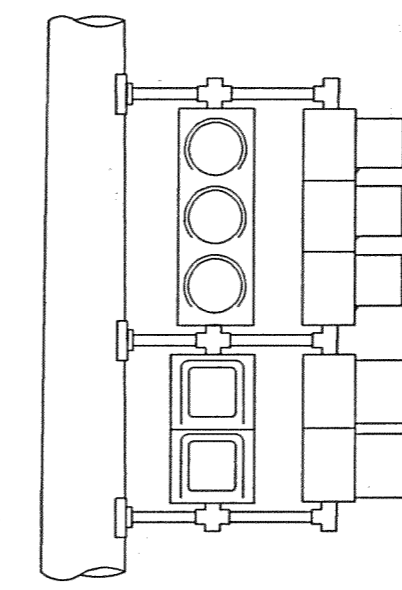
DETAIL "D-I"



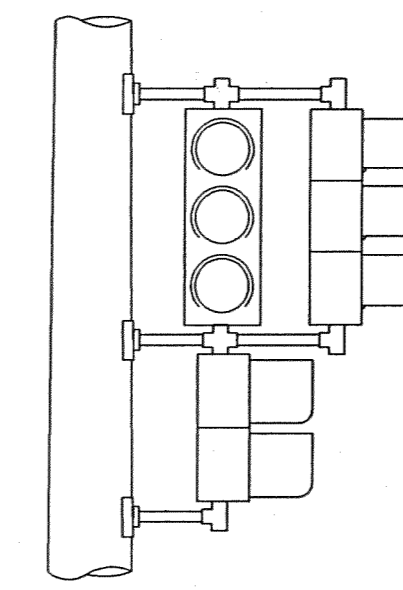
DETAIL "E-I"



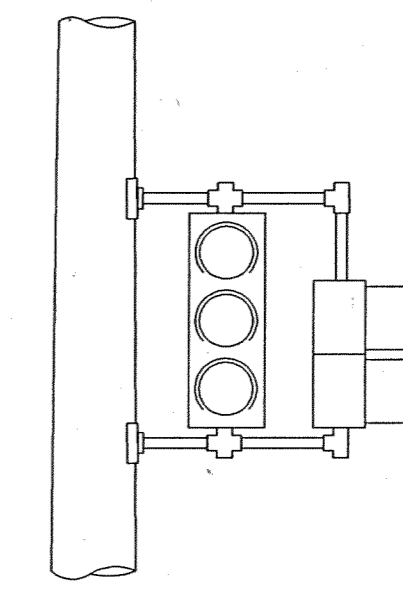
DETAIL "F-I"



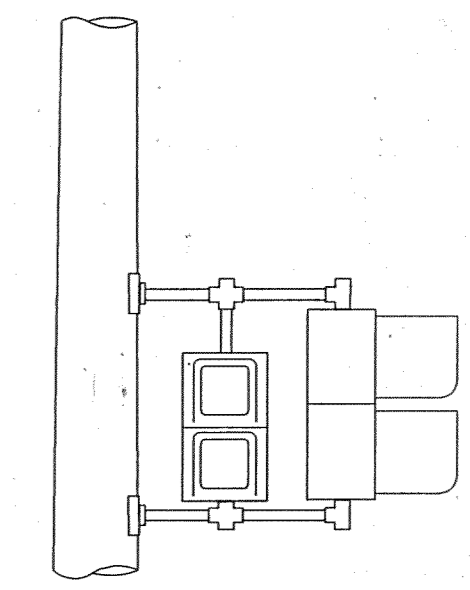
DETAIL "G-I"



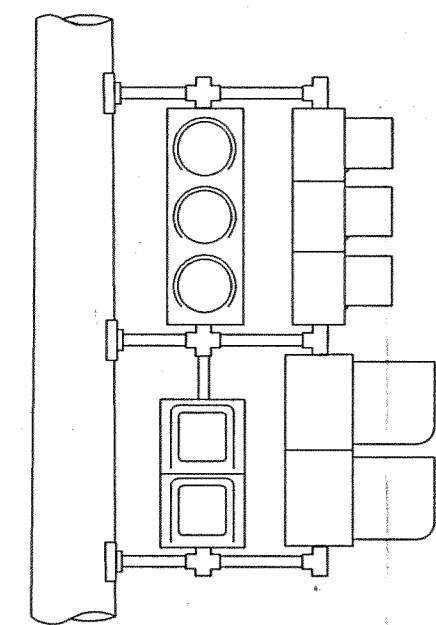
DETAIL "H-I"



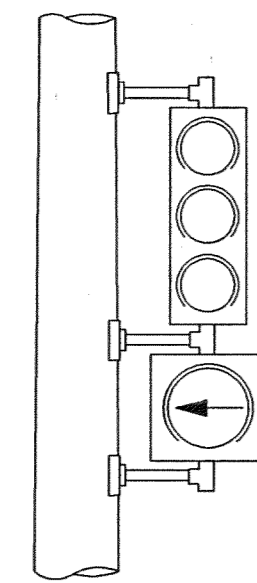
DETAIL "J-I"



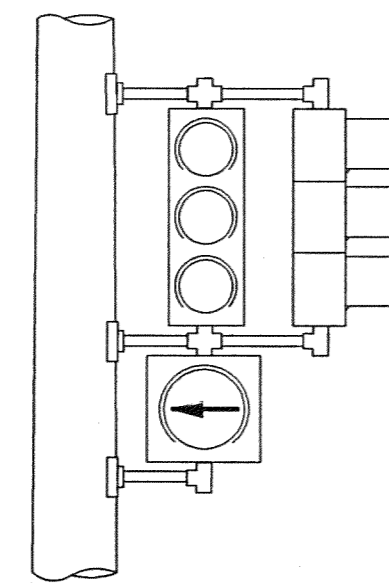
DETAIL "K-I"



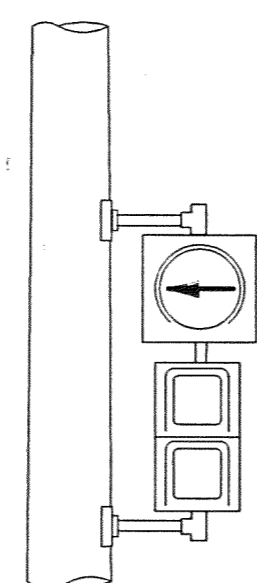
DETAIL "L-I"



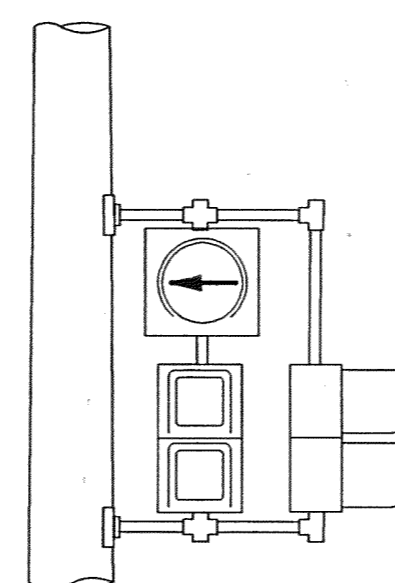
DETAIL "M-I"



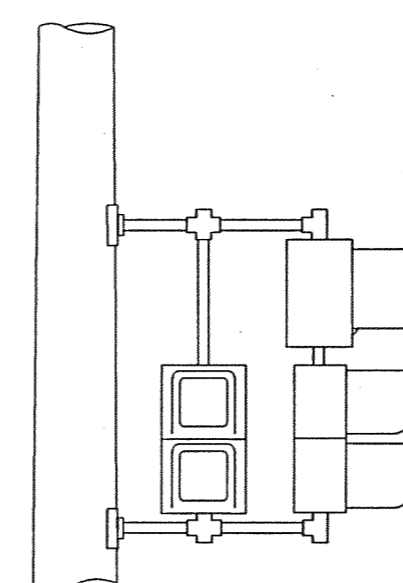
DETAIL "N-I"



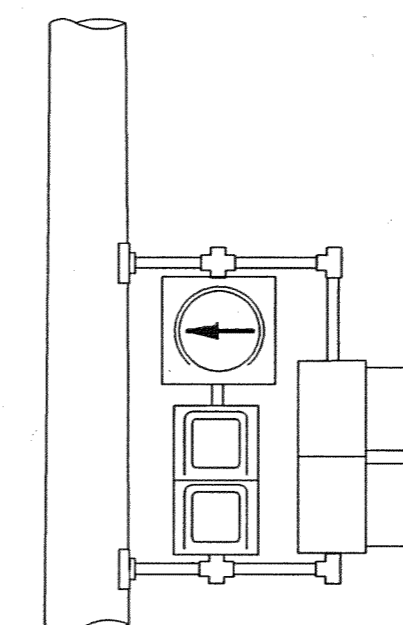
DETAIL "P-I"



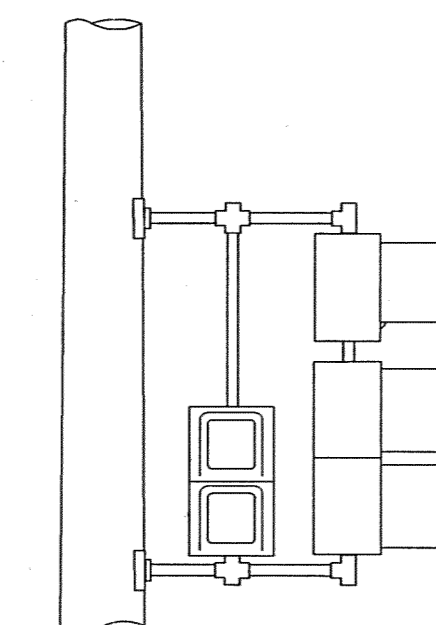
DETAIL "Q-I"



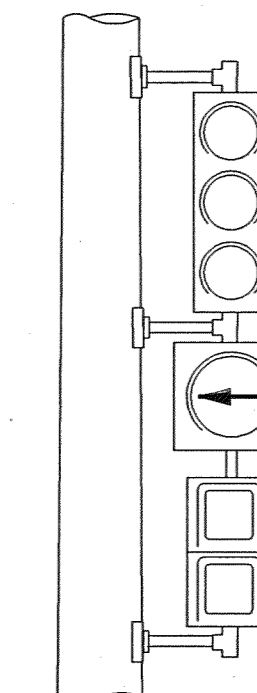
DETAIL "R-I"



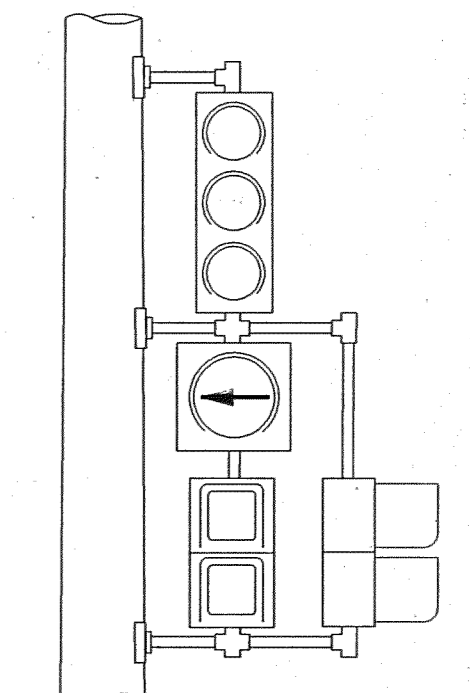
DETAIL "S-I"



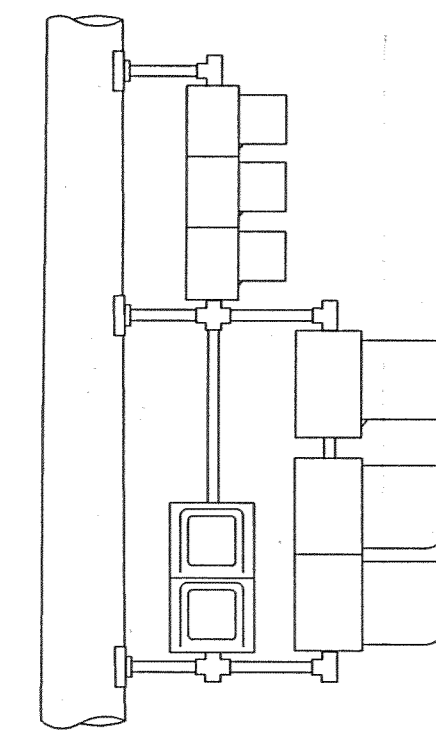
DETAIL "T-I"



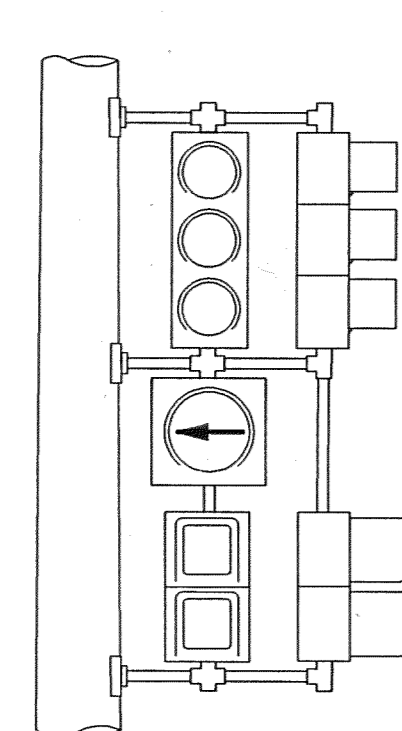
DETAIL "U-I"



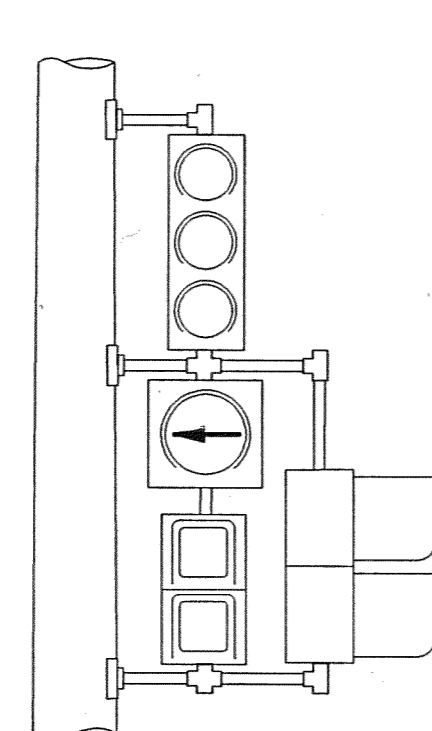
DETAIL "V-I"



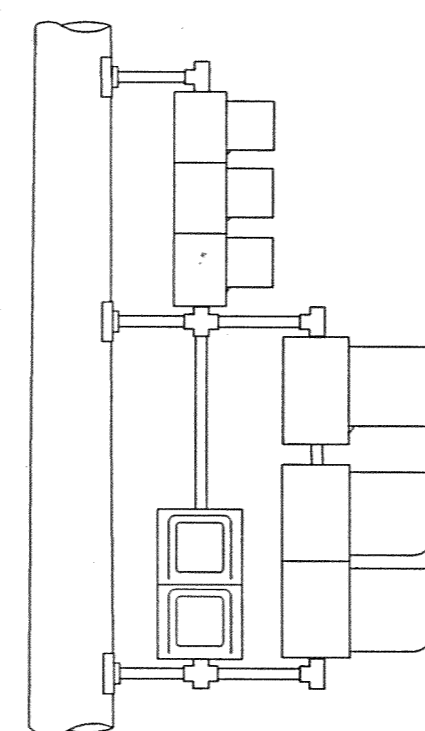
DETAIL "W-I"



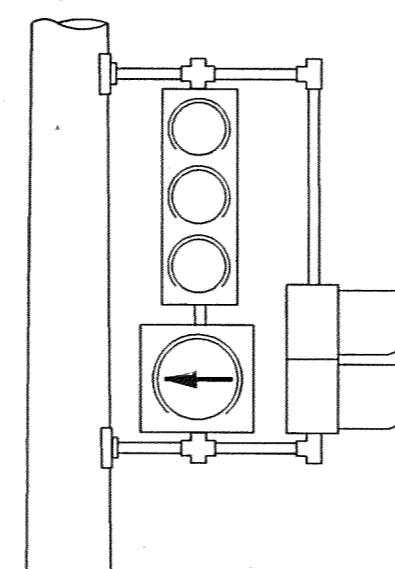
DETAIL "X-I"



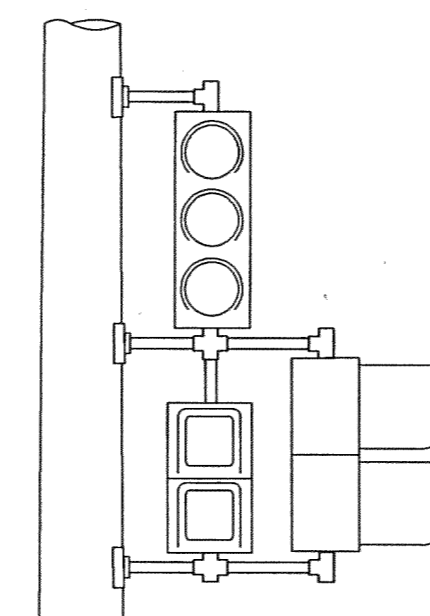
DETAIL "Y-I"



DETAIL "Z-I"



DETAIL "A-A-I"



DETAIL "B-B-I"

NOTE:
THE RELATIVE POSITION OF 2-WAY T.S. & PEDESTRIAN BRACKET ARM SIGNALS WITHIN THE BRACKET ASSEMBLY SHALL BE REVERSED (I.E. THE SIGNAL NEAREST THE POLE GOES TO THE OUTSIDE OF THE BRACKET ASSEMBLY & THE OUTSIDE SIGNAL GOES INBOARD OR NEAREST TO POLE) ACCORDING TO THE PLAN VIEW TO PROVIDE CLEAR VEHICULAR AND PEDESTRIAN VIEWING.

NOTE:
PIPE ASSEMBLY SHALL BE OF SUCH LENGTH AND HEIGHT AS TO ACCOMMODATE TRAFFIC SIGNALS AND PEDESTRIAN SIGNALS FOR PROPER MAINTENANCE AND CLEAR VEHICULAR AND PEDESTRIAN VIEWING.

DISK FILE: 508PLDM.MTR

Date	Description	Chkd. by

JEFFERSON AVE OVER DEQUINDRE CUT

T.S. BRACKET ARM ASSEMBLY DETAILS

Job No.
49717A

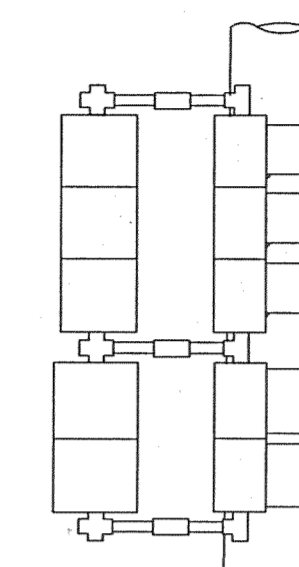
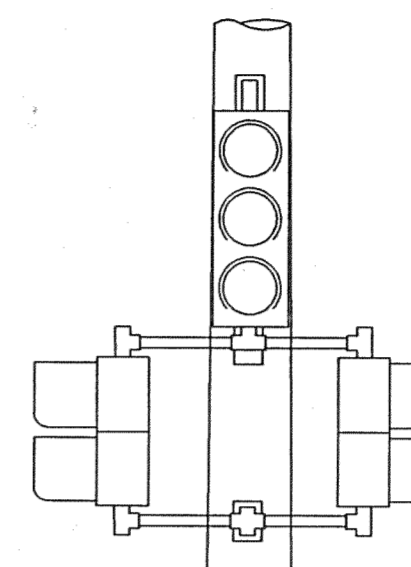
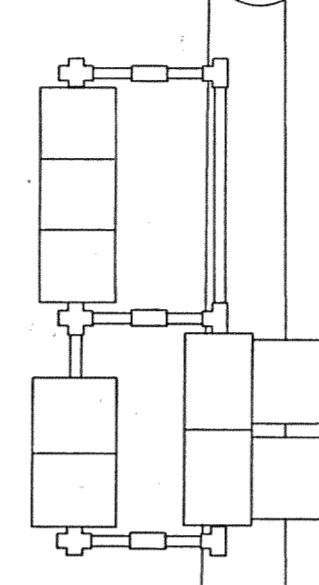
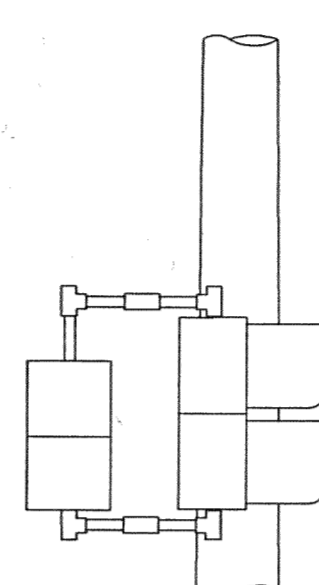
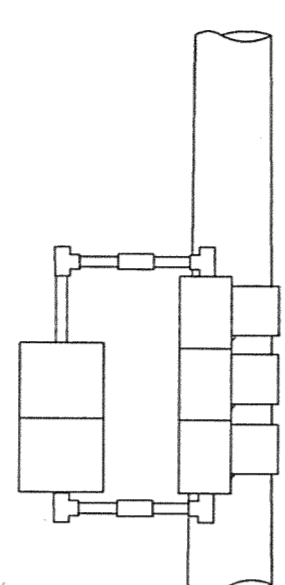
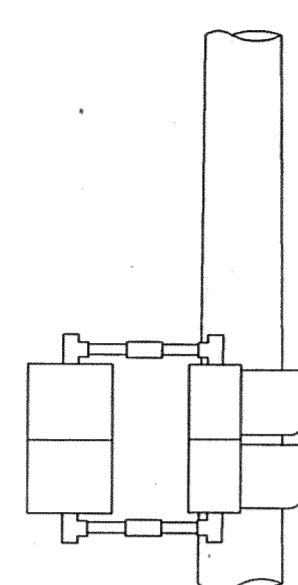
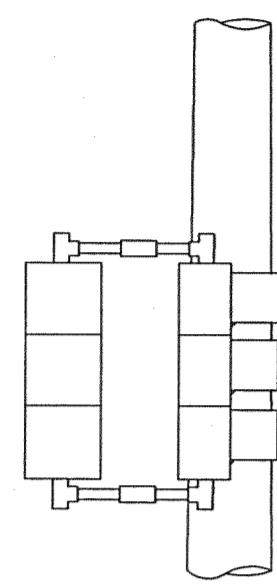
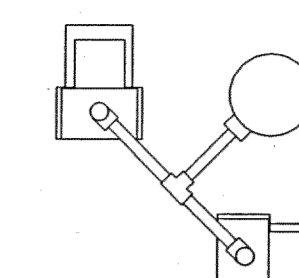
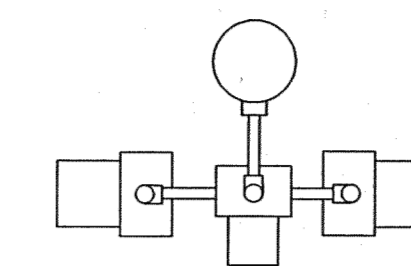
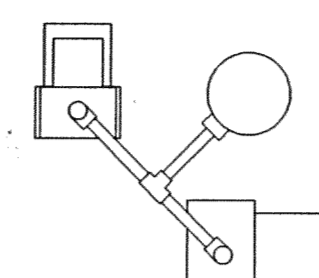
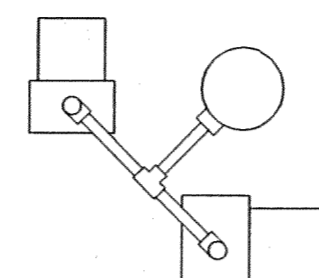
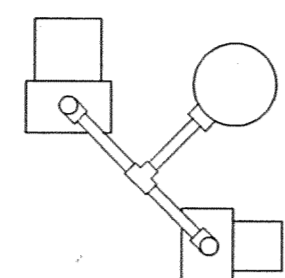
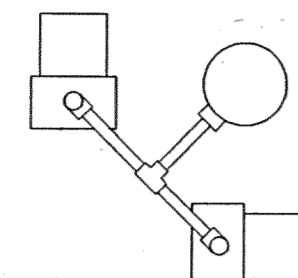
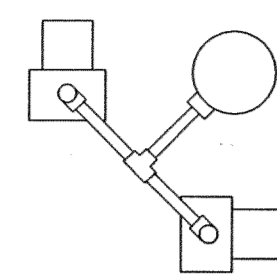
MANSELL ASSOCIATES INC.
ENGINEERING CONSULTANTS
33608 Grand River
Farmington, MI. 48335
(248) 473-7070

Drawn: M.A.I.
Checked: _____
Drwg. No. 23 OF 25
File No. M4044

Scale: No Scale
Checked by: _____
Approved by: _____

PUBLIC LIGHTING DEPARTMENT
CITY OF DETROIT

508
27-1104
Sheet No. 43
Date 02-11-05



DETAIL "A-3"

DETAIL "B-3"

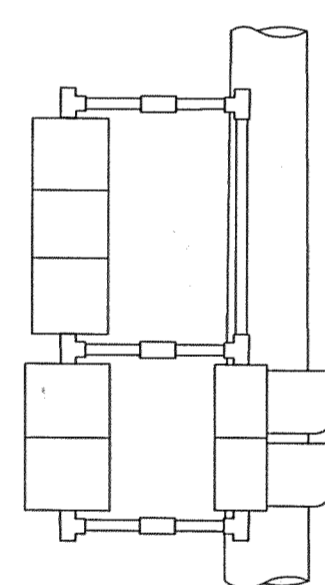
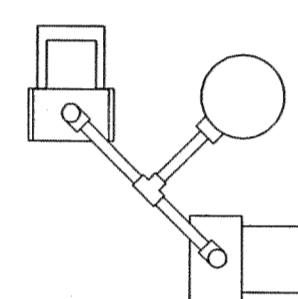
DETAIL "C-3"

DETAIL "D-3"

DETAIL "E-3"

DETAIL "F-3"

DETAIL "G-3"



DETAIL "H-3"

NOTE:

THE RELATIVE POSITION OF 2-WAY T.S. & PEDESTRIAN BRACKET ARM SIGNALS WITHIN THE BRACKET ASSEMBLY SHALL BE REVERSED (I.E. THE SIGNAL NEAREST THE POLE GOES TO THE OUTSIDE OF THE BRACKET ASSEMBLY & THE OUTSIDE SIGNAL GOES INBOARD OR NEAREST TO POLE) ACCORDING TO THE PLAN VIEW TO PROVIDE CLEAR VEHICULAR AND PEDESTRIAN VIEWING.

NOTE:

PIPE ASSEMBLY SHALL BE OF SUCH LENGTH AND HEIGHT AS TO ACCOMMODATE TRAFFIC SIGNALS AND PEDESTRIAN SIGNALS FOR PROPER MAINTENANCE AND CLEAR VEHICULAR AND PEDESTRIAN VIEWING.

REVISIONS	Date	Description	Chkd. by

JEFFERSON AVE OVER DEQUINDRE CUT

T.S. BRACKET ARM ASSEMBLY DETAILS

Job No.
49717A

MANSSELL ASSOCIATES INC.



ENGINEERING CONSULTANTS
33608 Grand River
Farmington, MI. 48335
(248) 473-7070

Drawn	M.A.I.
Checked	
Drwg. No.	24 OF 25
File No.	M4044

Scale	No Scale
Checked by	
Approved by	

PUBLIC LIGHTING

DEPARTMENT

CITY OF DETROIT

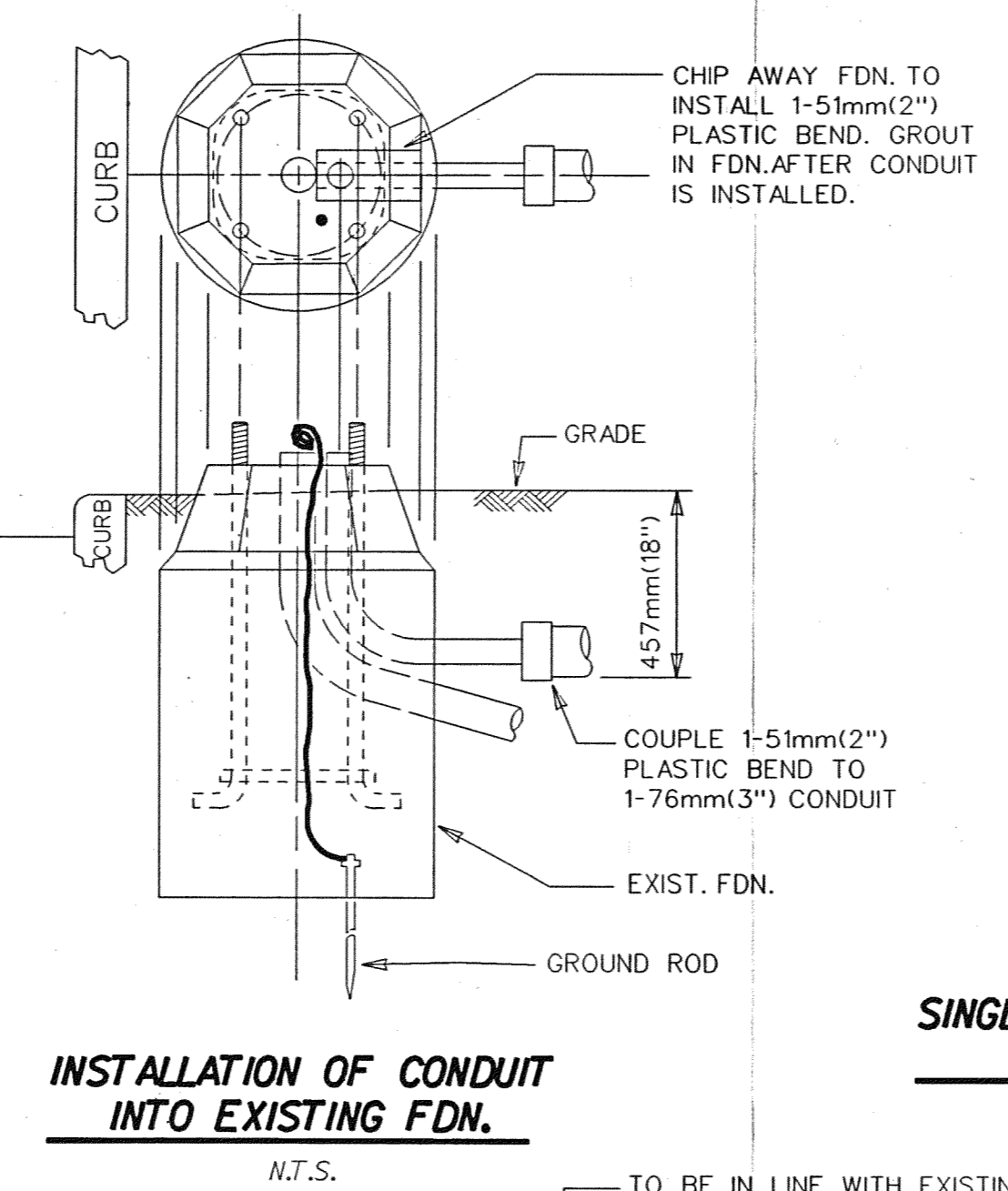
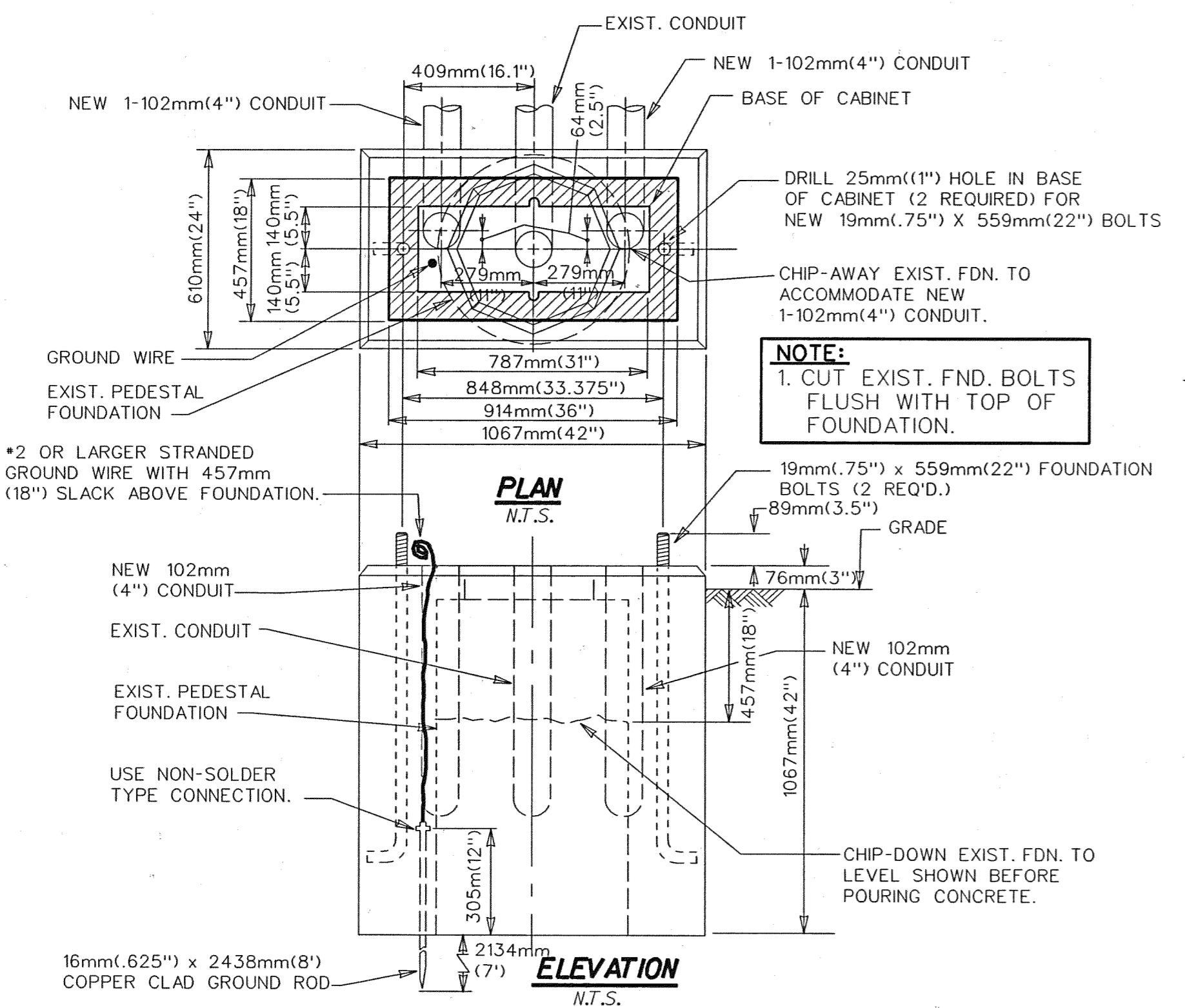
510

27-1104

Sheet No.
44

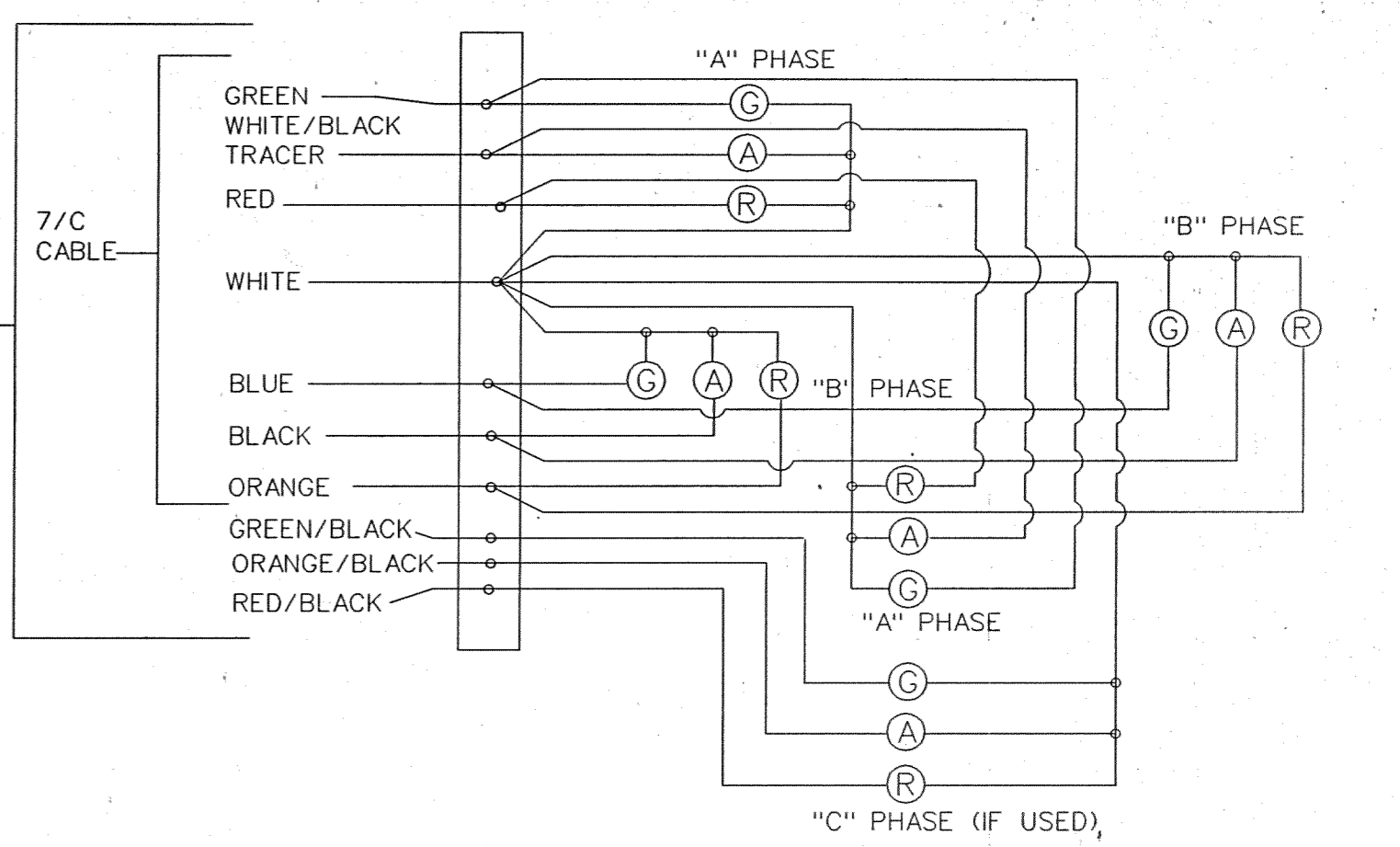
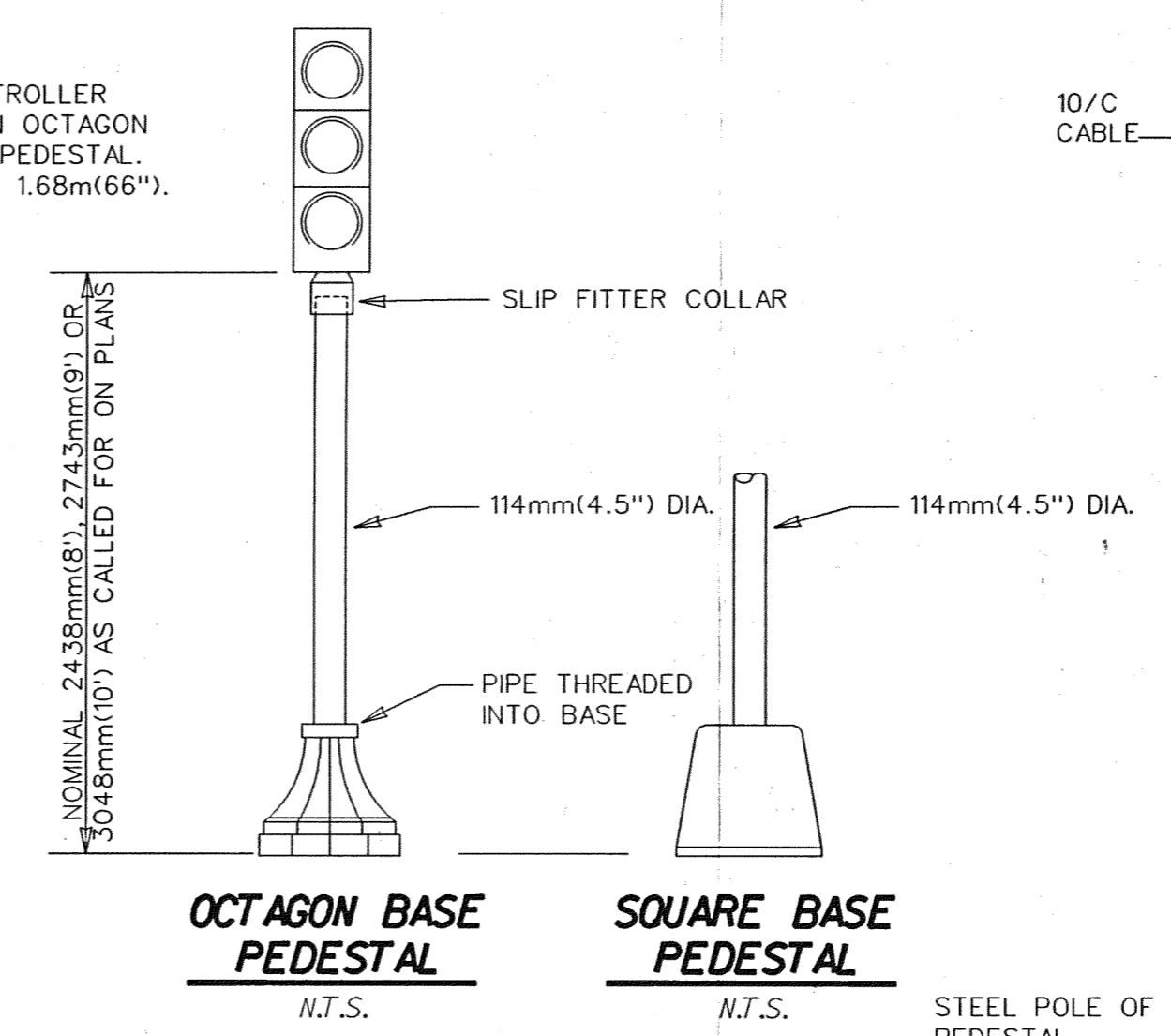
Date
02-11-05

NOTE:
GROUNDING SYSTEM SHALL MEASURE
10 OHM OR LESS TO GROUND.



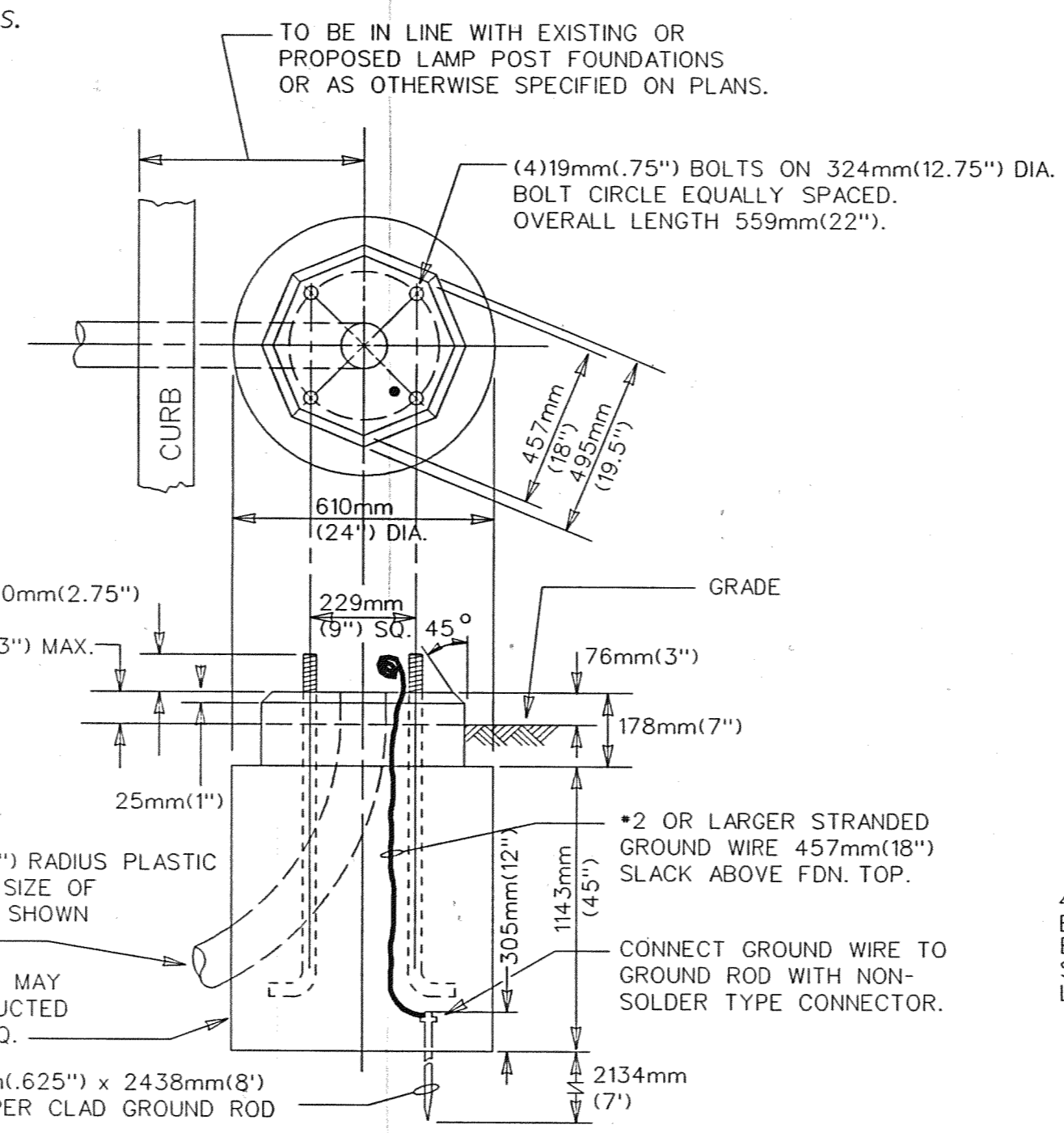
**SINGLE CABINET CONTROLLER
OCTAGON BASE**

N.T.S.



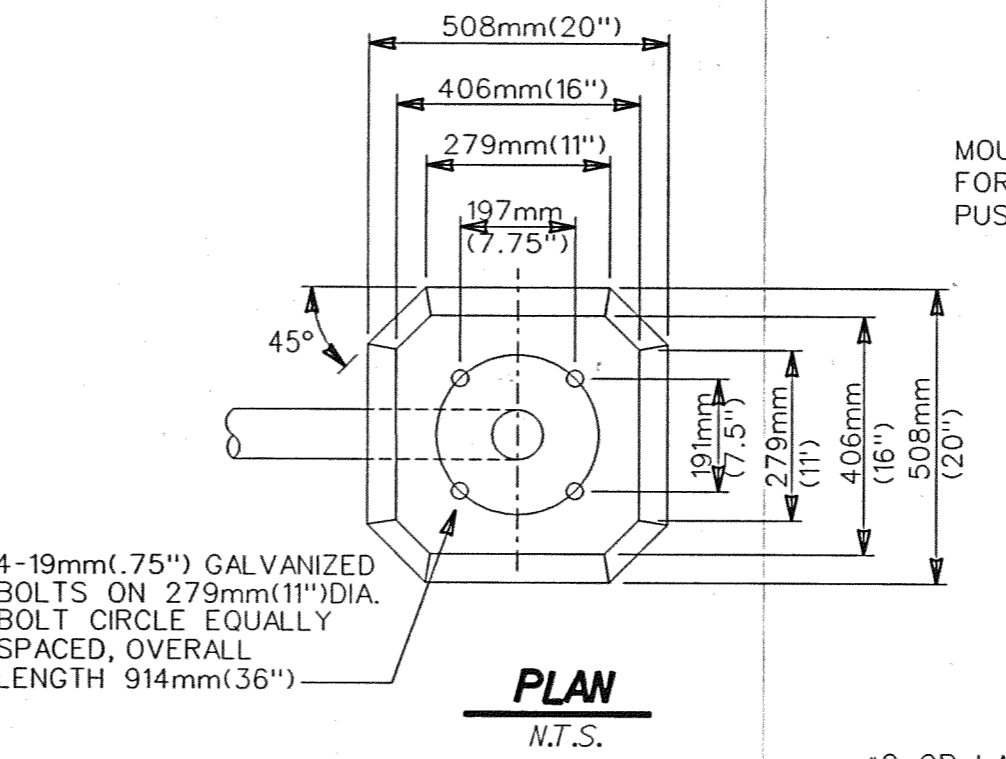
THE INCOMING CABLE FROM THE CONTROLLER IS TO BE CONNECTED TO THE TERMINAL BLOCK IN ONE FACE OF THE SIGNAL ASSEMBLY. THE OTHER FACES IN THE ASSEMBLY ARE TO BE CONNECTED TO THIS TERMINAL BLOCK BY #14 TW WIRES THROUGH THE ASSEMBLY FRAMEWORK.

ALL FOUNDATION CAPS SHALL HAVE A SMOOTH FINISH WITH BEVELED EDGES & SHALL BE SHAPED TO ALLOW COMPLETE DRAINAGE OF WATER. ANCHOR BOLT PROJECTION ABOVE CAP SHALL BE CLEAN OF ALL CONCRETE & FULLY USABLE THEIR FULL LENGTH.



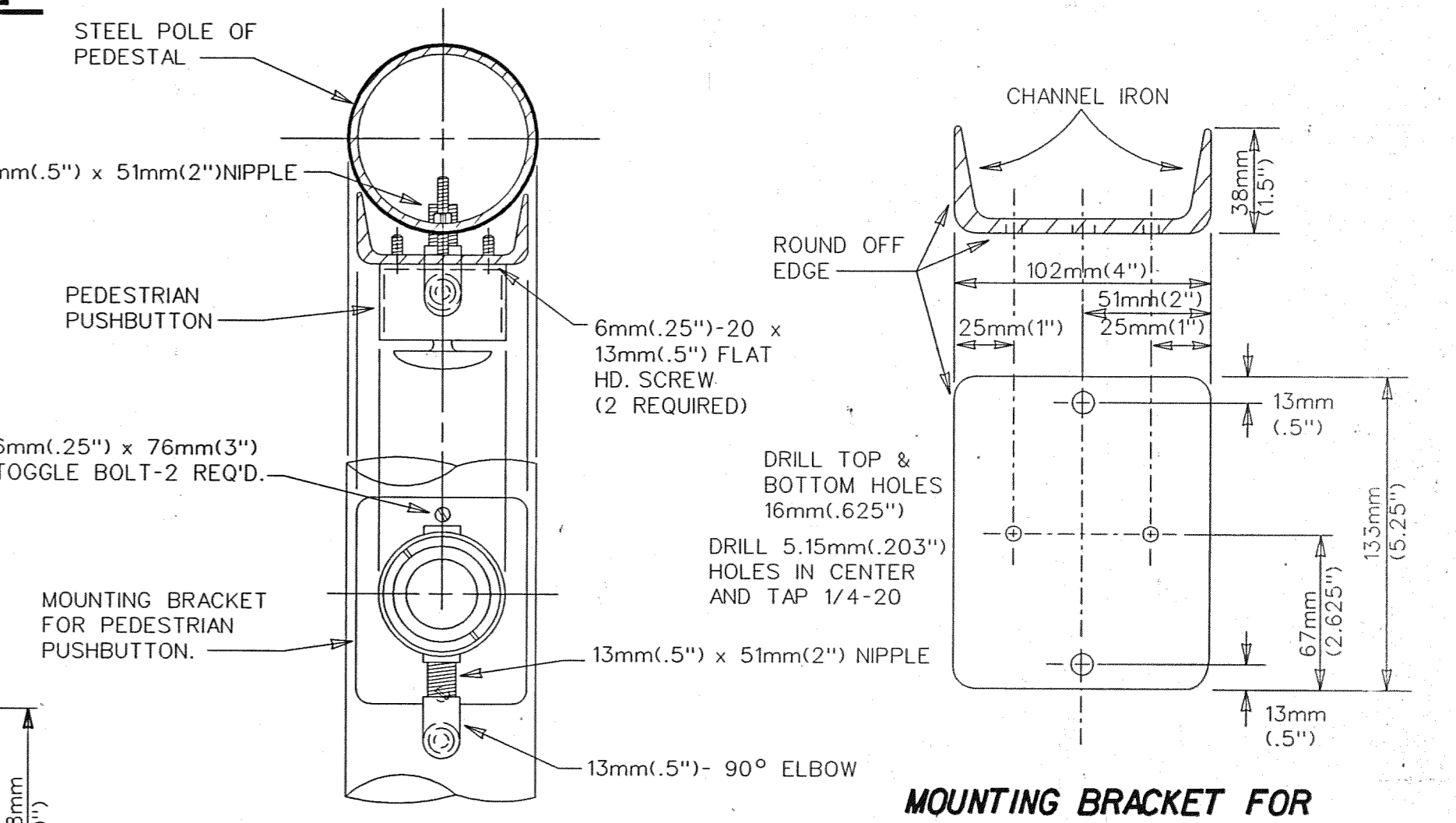
**FOUNDATION FOR OCTAGON BASE
PEDESTAL FOR TRAFFIC
SIGNALS OR CONTROLLER**

N.T.S.



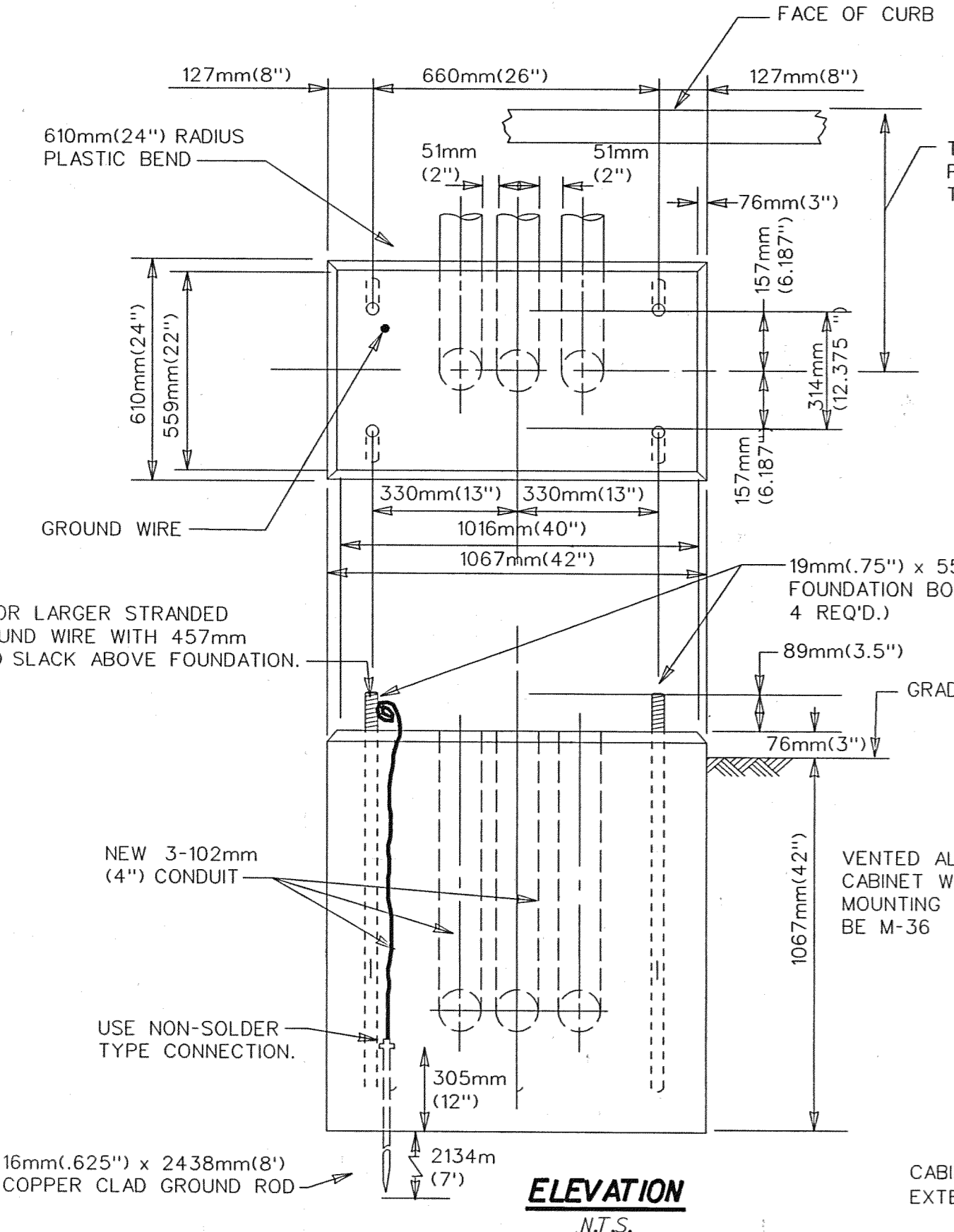
**PEDESTRIAN PUSH BUTTON
INSTALLATION ON A STEEL POLE**

N.T.S.



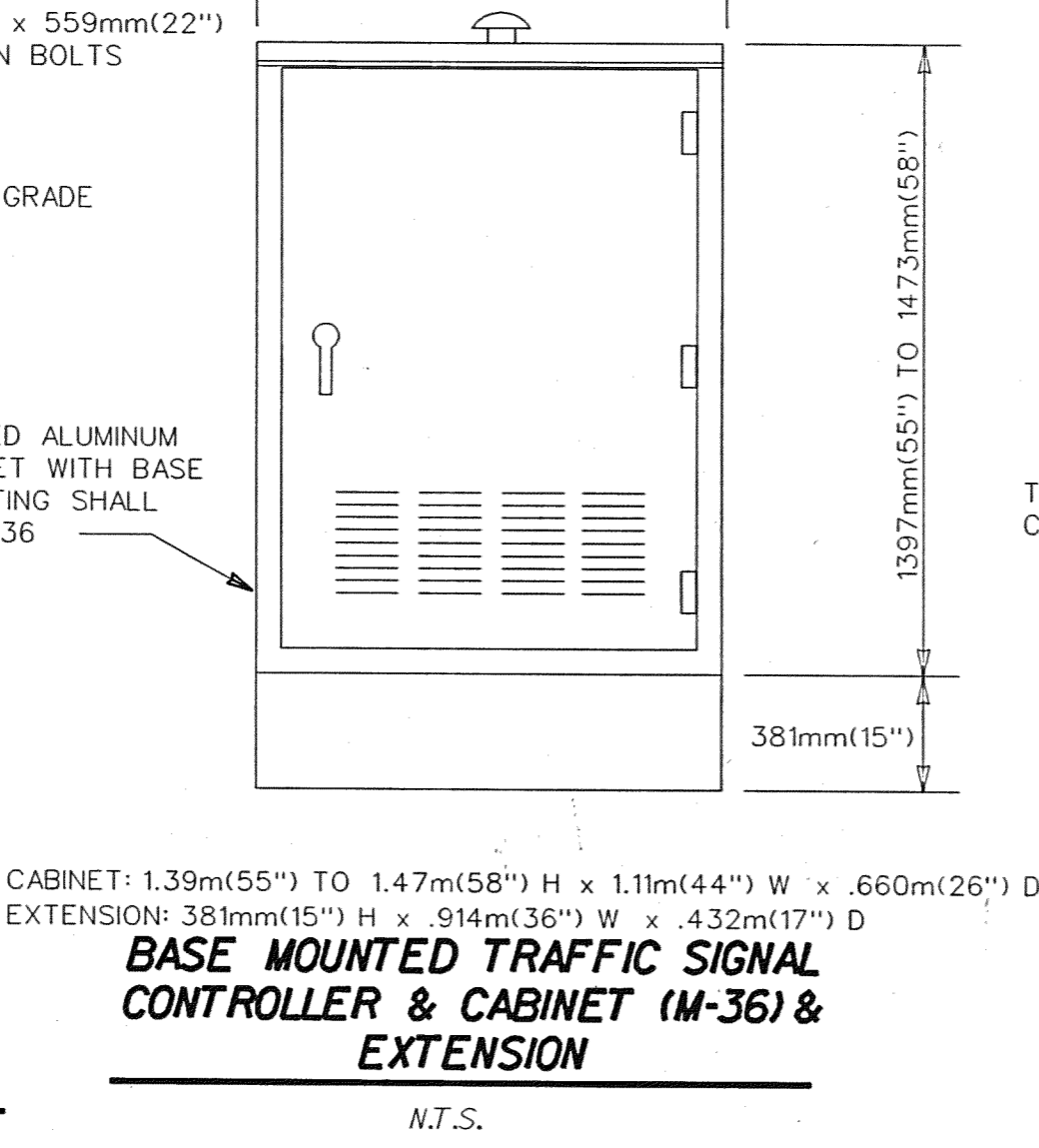
**MOUNTING BRACKET FOR
PEDESTRIAN PUSH BUTTON**

N.T.S.



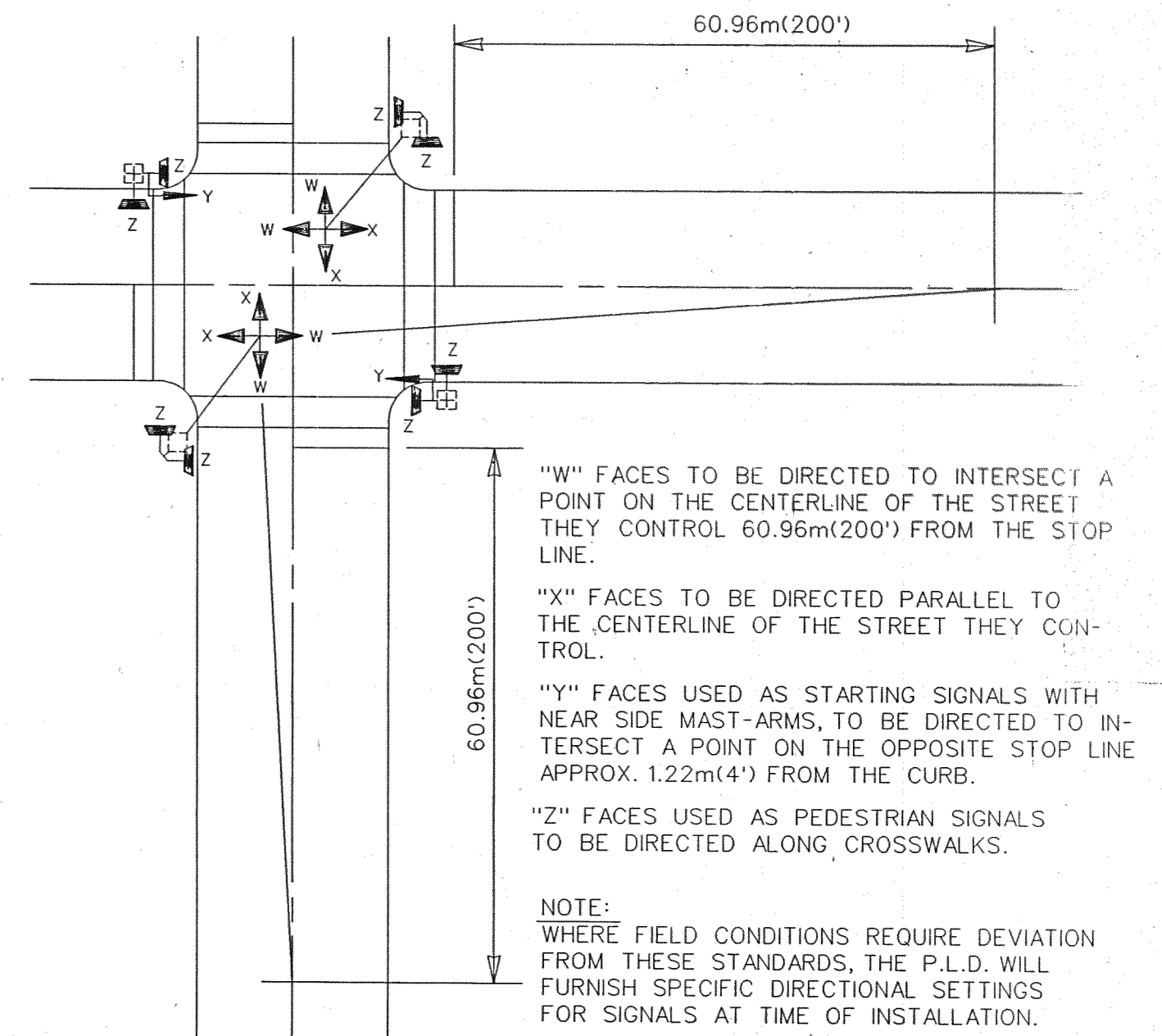
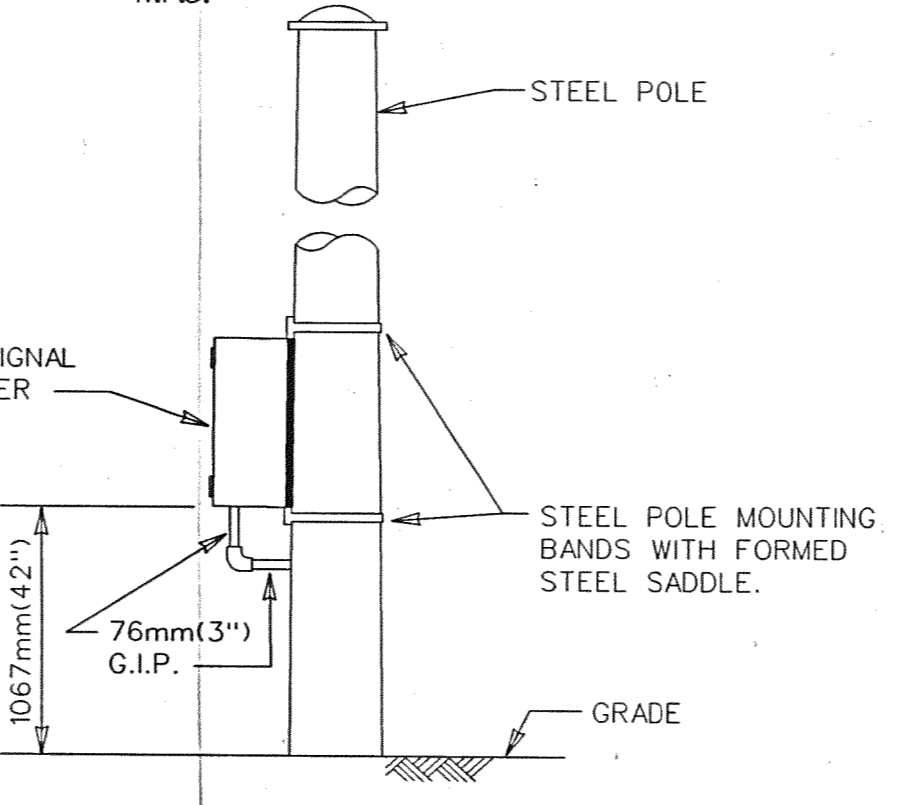
**FOUNDATION FOR BASE MOUNTED
T.S. CONTROLLER & CABINET (M-36)**

N.T.S.



**INSTALLATION OF TRAFFIC
SIGNAL CONTROLLER ON
STEEL POLE**

N.T.S.



**STANDARDS FOR DIRECTIONAL
SETTINGS OF TRAFFIC SIGNALS**

N.T.S.

REVISION	Date	Description	Chkd. by

JEFFERSON AVE OVER DEQUINDRE CUT
MISCELLANEOUS TRAFFIC SIGNAL DETAILS

MANSELL ASSOCIATES INC.
ENGINEERING CONSULTANTS
33608 Grand River
Farmington, MI. 48335
(248) 473-7070

Checked	No Scale
Checked by	Checked by
Drwg. No. 25 OF 25	Approved by
File No. M4044	

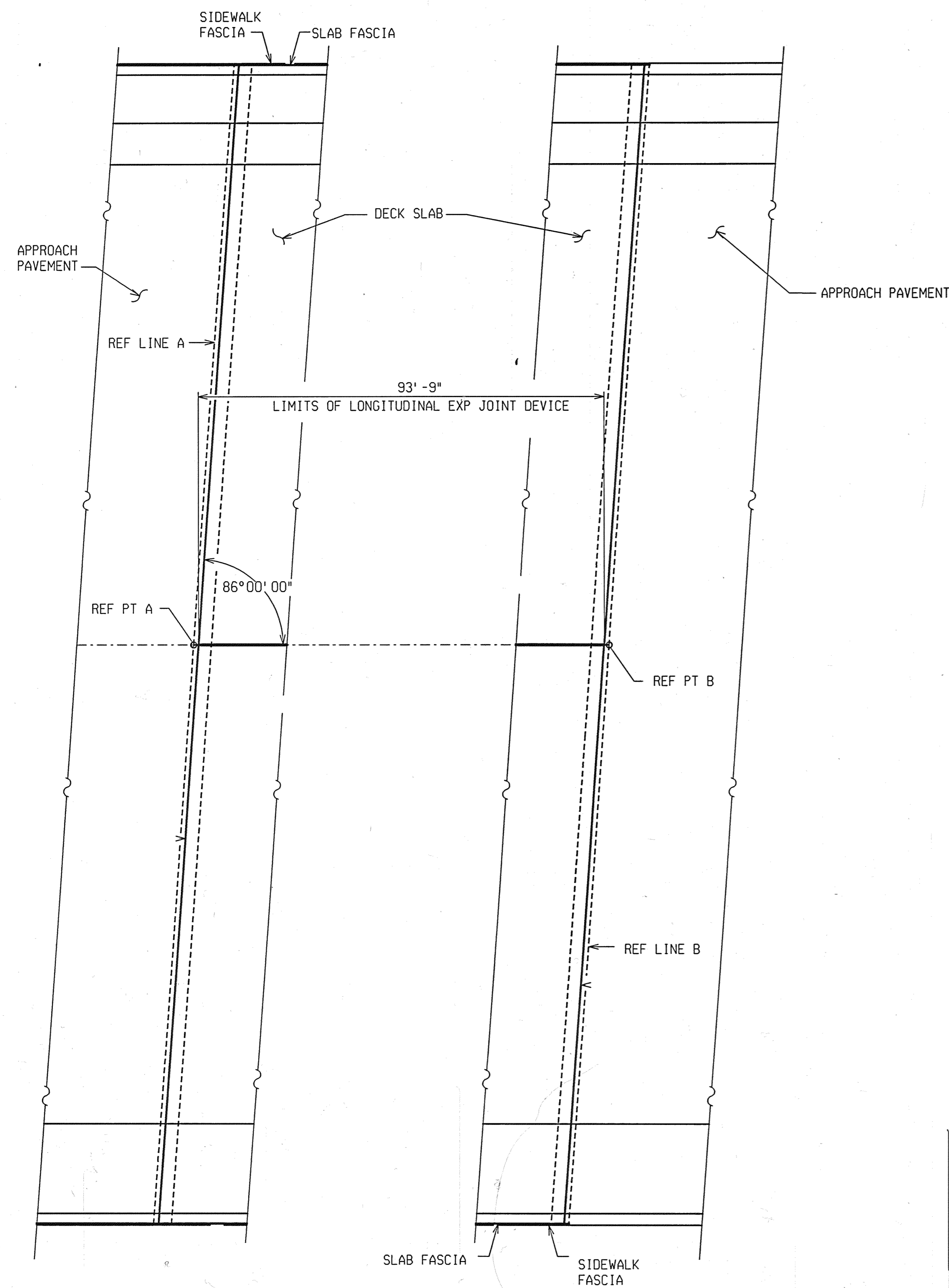
**PUBLIC LIGHTING
DEPARTMENT**
CITY OF DETROIT

511
27-1104
Sheet No. 45
Date 02-11-05

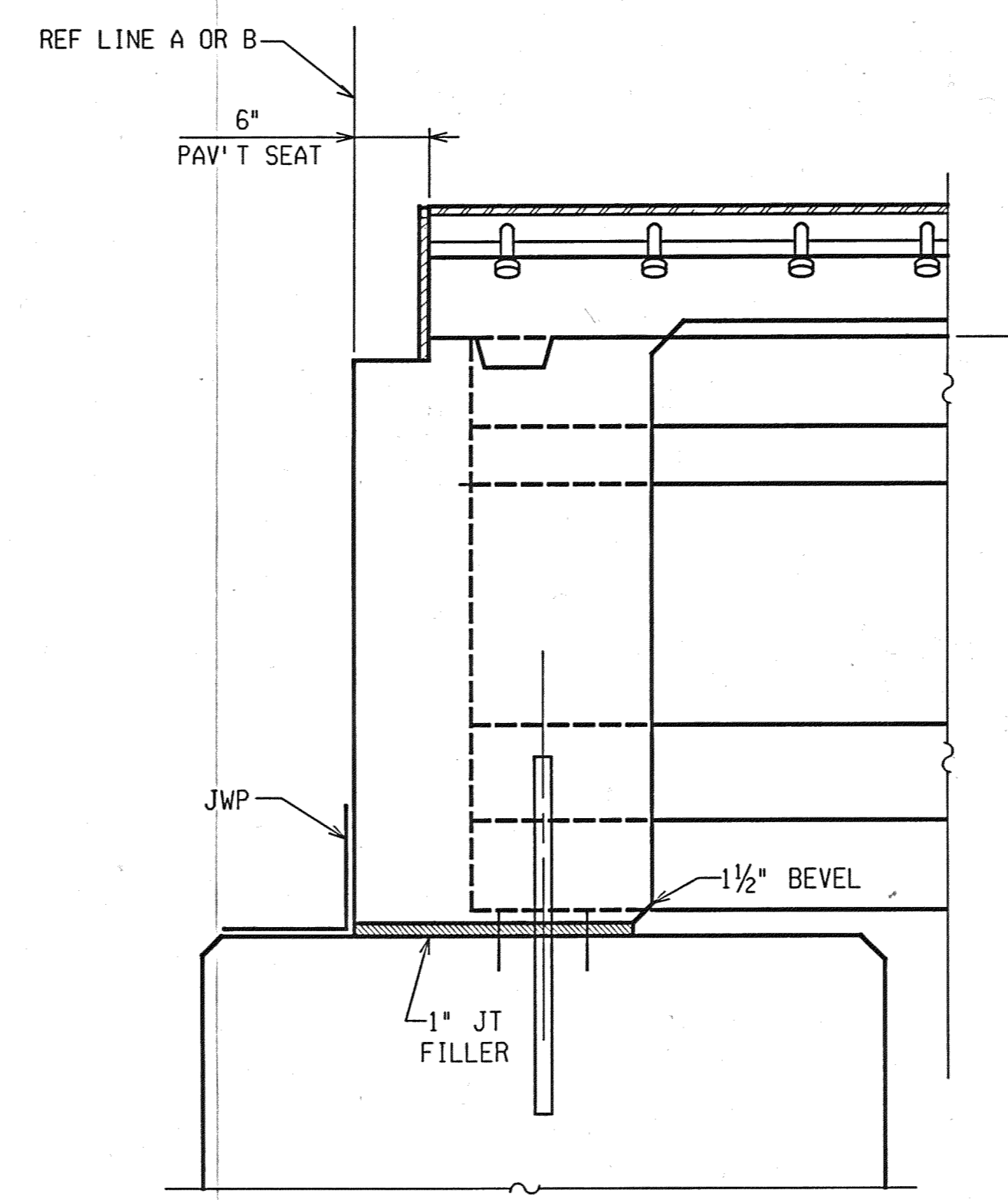
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



PLAN OF LONDIGTUDINAL EXPANSION JOINT



TYPICAL SECTION THRU BACKWALL

NOTES:

JOINT TYPES

THE EXPANSION JOINT DEVICE SHALL BE OF A TYPE THAT INCLUDES A CONTINUOUS NEOPRENE (OR EQUIVALENT) SEAL ACROSS THE DECK. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR HAS THE OPTION OF USING ANY OF THE DEVICES LISTED BELOW:

DEVICE	MANUFACTURER
WABO STRIP SEAL - TYPE M	WATSON-BOWMAN & ACME, INC.
WABO STRIP SEAL - TYPE A	WATSON-BOWMAN & ACME, INC.
STEELFLEX-SSA2	D.S. BROWN
STEELFLEX-SSCM	D.S. BROWN
ONFLEX 40 SS	STRUCTURAL RUBBER PRODUCTS CO.

THE MODEL OF THE JOINT TYPE SELECTED SHALL BE SUITABLE TO ACCOMMODATE THE TOTAL MOVEMENT NOTED ON THE PLANS.

COMPLETE WORKING DRAWINGS OF ALL DETAILS OF FABRICATION OF THE EXPANSION JOINT DEVICE SHALL BE SUBMITTED FOR REVIEW IN ACCORDANCE WITH STANDARD SPECIFICATION 104.02. THIS REQUIREMENT IS WAIVED FOR EXPANSION JOINT DEVICES FOR WHICH A SET OF STANDARD INSTALLATION DETAILS HAS BEEN APPROVED. STANDARD INSTALLATION DETAILS CAN BE OBTAINED FROM THE DESIGN DIVISION.

FABRICATION AND INSTALLATION

THE EXPANSION JOINT SHALL BE SHOP FABRICATED TO CONFORM TO THE CONTOUR OF THE BRIDGE DECK, BARRIERS, ETC. IT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS SUBJECT TO NOTES HEREIN AND THE APPROVAL OF THE ENGINEER.

THE TOP OF THE EXPANSION JOINT DEVICE SHALL BE SET 1/8" - 1/4" BELOW THE CONCRETE SLAB (PAVEMENT) WITH A TOLERANCE OF ± 1/8".

THE STEEL ANCHORAGE FOR STRIP SEAL GLANDS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SUBSECTION 707.03C.16 OF THE STANDARD SPECIFICATIONS.

THE AREA OF THE STEEL ANCHORAGE AND SEALING GLAND WHICH WILL BE IN CONTACT WITH A SEALANT, OR LUBRICANT-ADHESIVE SHALL BE CLEANED WITH TOLUENE OR OTHER APPROVED SOLVENT.

WHERE THE SEALING GLAND IS LOCKED INTO A STEEL ANCHORAGE, A LUBRICANT-ADHESIVE CONFORMING TO STANDARD SPECIFICATION 914.04D SHALL BE REQUIRED BETWEEN THE SEAL AND STEEL ANCHORAGE.

IN THE EVENT THAT THE CONSTRUCTION SEQUENCE REQUIRES SPLICING THE SEALING GLAND, IT SHALL BE SPLICED BY AN APPROVED METHOD (SUCH AS COLD VULCANIZATION) BY A TRAINED REPRESENTATIVE OF THE MANUFACTURER.

DETAILS AT CURBS OR BARRIERS

THE DETAILS ON THIS SHEET SHOW AN APPROVED MEANS OF TERMINATING THE EXPANSION JOINT DEVICE AT CURBS OR BARRIERS. VARIATIONS OR ALTERNATIVE SCHEMES WILL BE CONSIDERED AND MAY BE USED IF APPROVED BY THE ENGINEER.

MATERIALS

THE COST OF ALL MATERIALS AND LABOR REQUIRED FOR PROPER INSTALLATION OF THE EXPANSION JOINT AND THE TERMINAL ASSEMBLIES AT THE CURBS, SIDEWALKS, OR BARRIERS IS INCLUDED IN THE PAYMENT FOR THE EXPANSION JOINT DEVICE.

STRUCTURE NUMBER	ANGLE OF CROSSING TO NEAREST 10°	LOCATION OF JOINT	MIN. TOT. TRAVEL TRANSVERSERS TO € OF BRIDGE	REQUIRED LENGTH OF EXPANSION JOINT DEVICE
S01 OF 82-22-02	90°	LONGIT @ BRIDGE €	1"	94'

MISCELLANEOUS QUANTITIES

94 Ft Expansion Joint Device



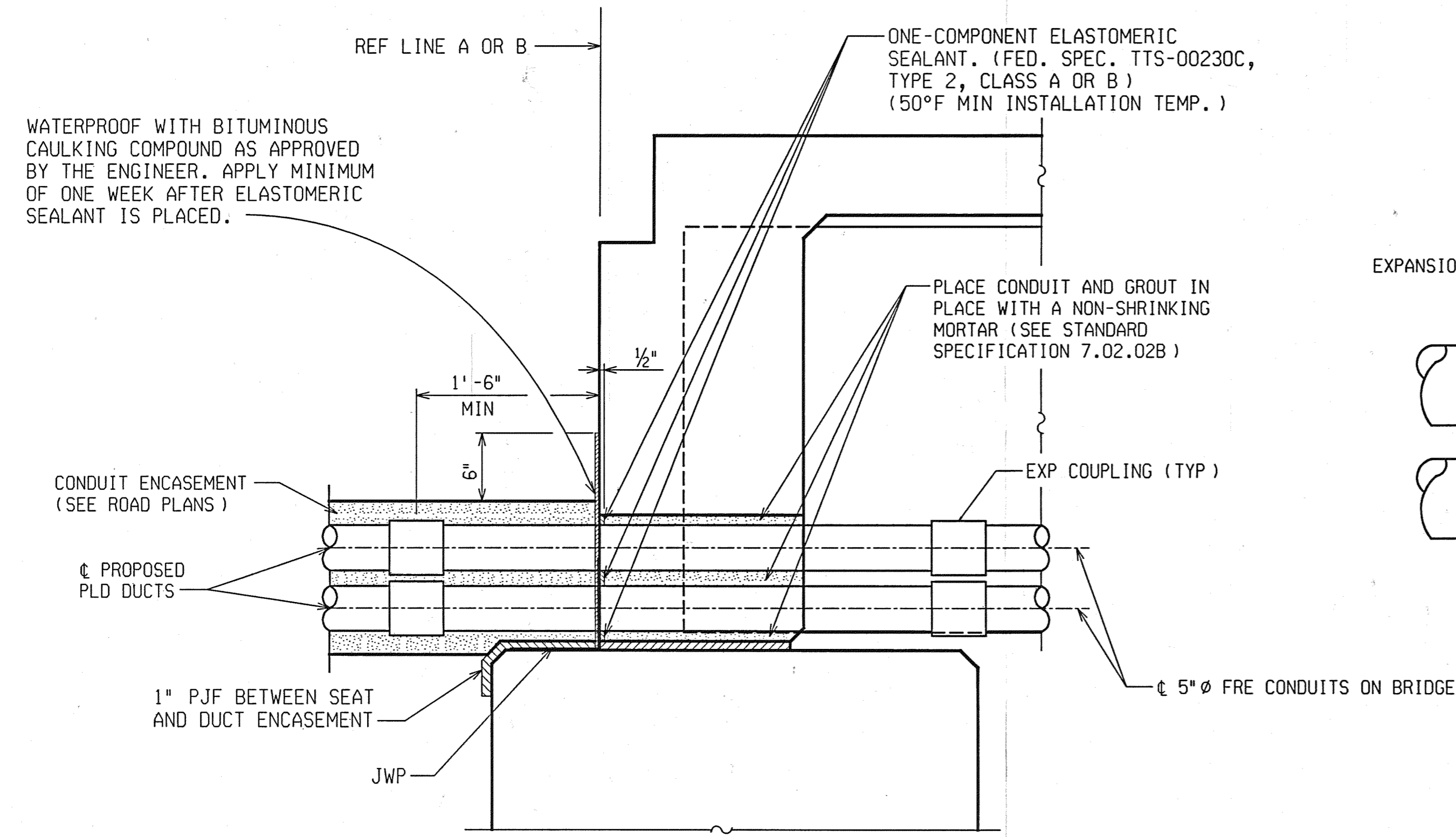
PB PARSONS BRINCKERHOFF, INC.
835 Griswold Street
Buhl Building, Suite 1525
Detroit, MI 48226
313-963-5760

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

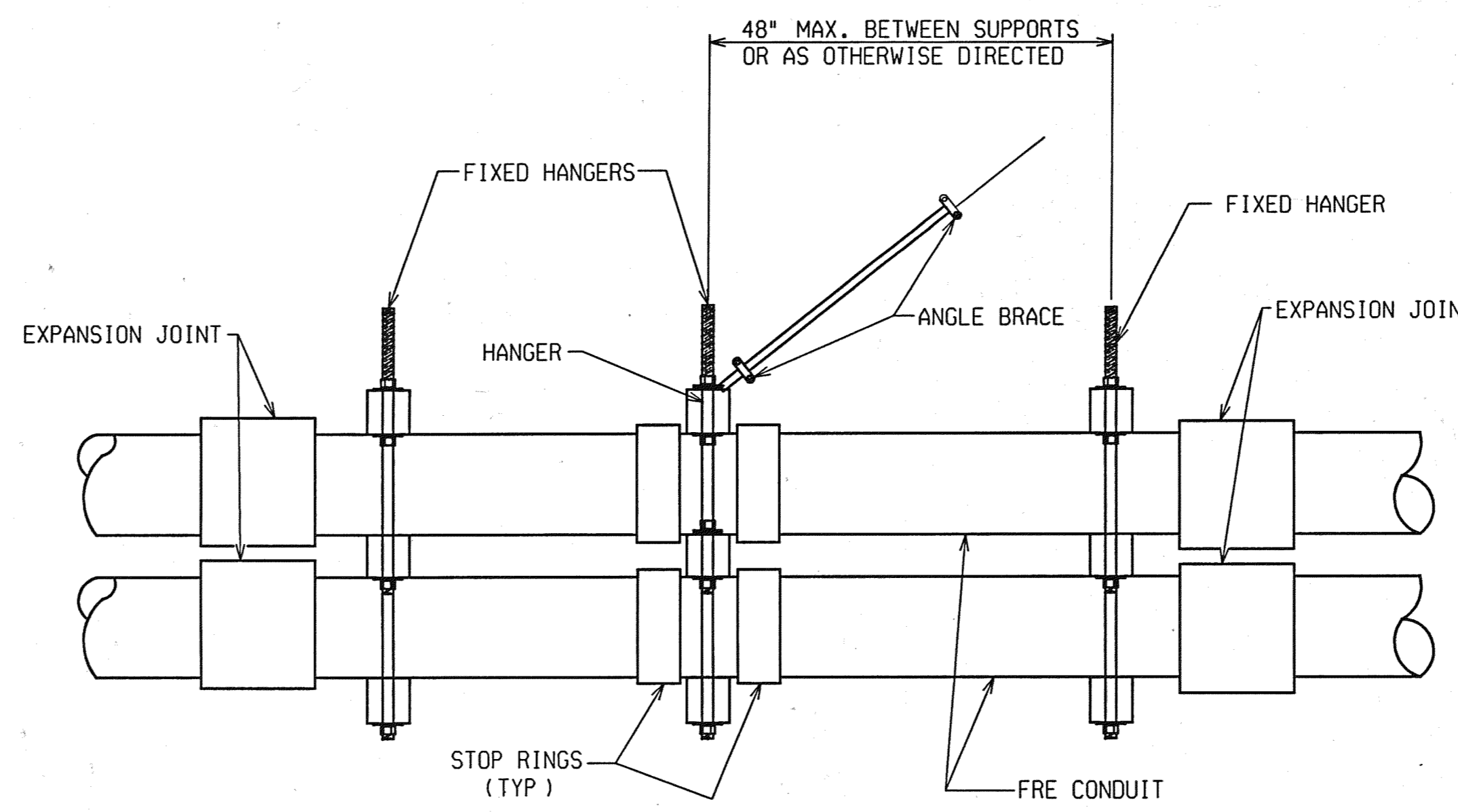
EXPANSION JOINT DETAILS JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	46 OF 80

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

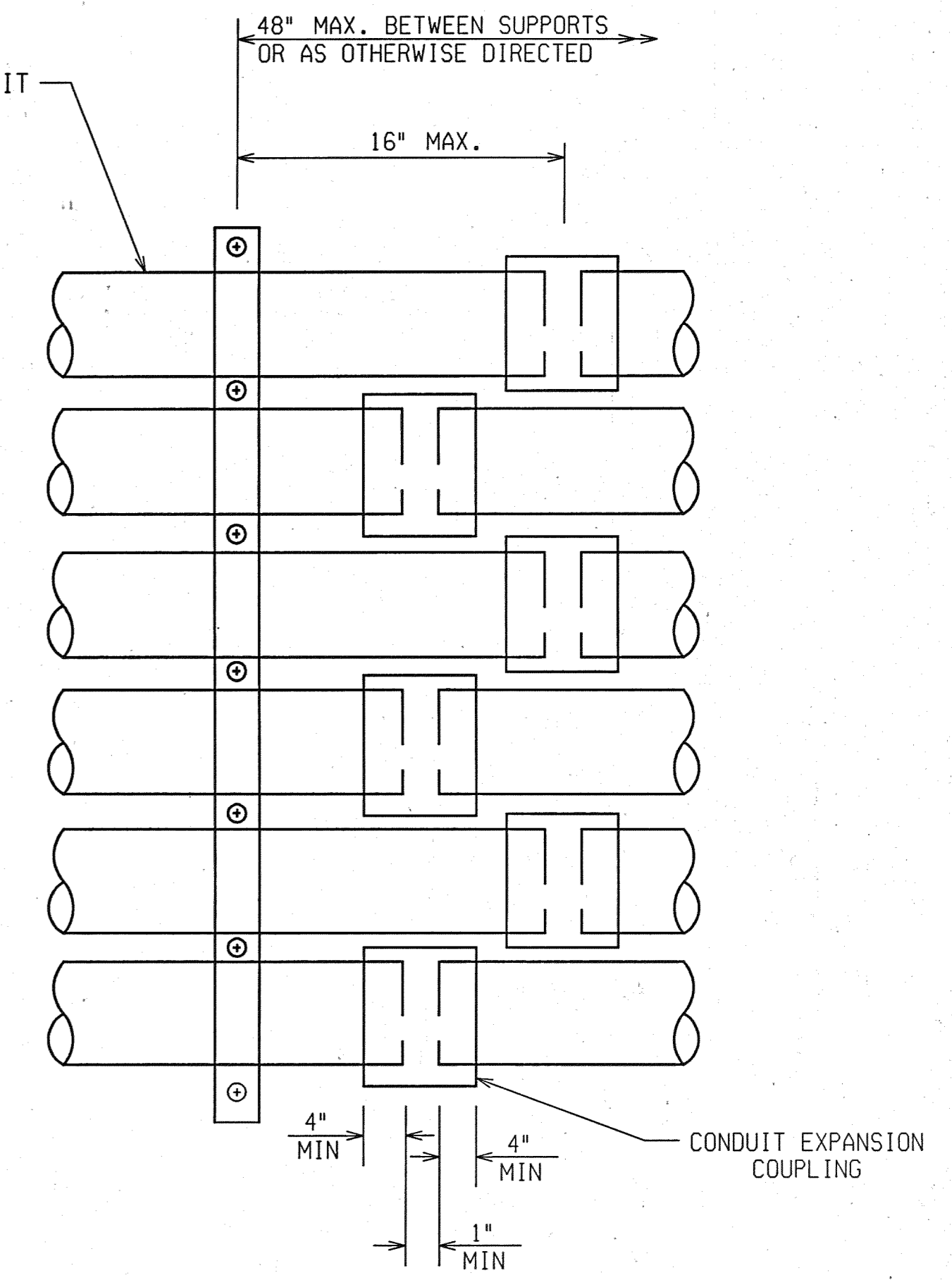


PLD CONDUIT INSTALLATION THRU BACKWALL
(ABUT A SHOWN; ABUT B SIMILAR)

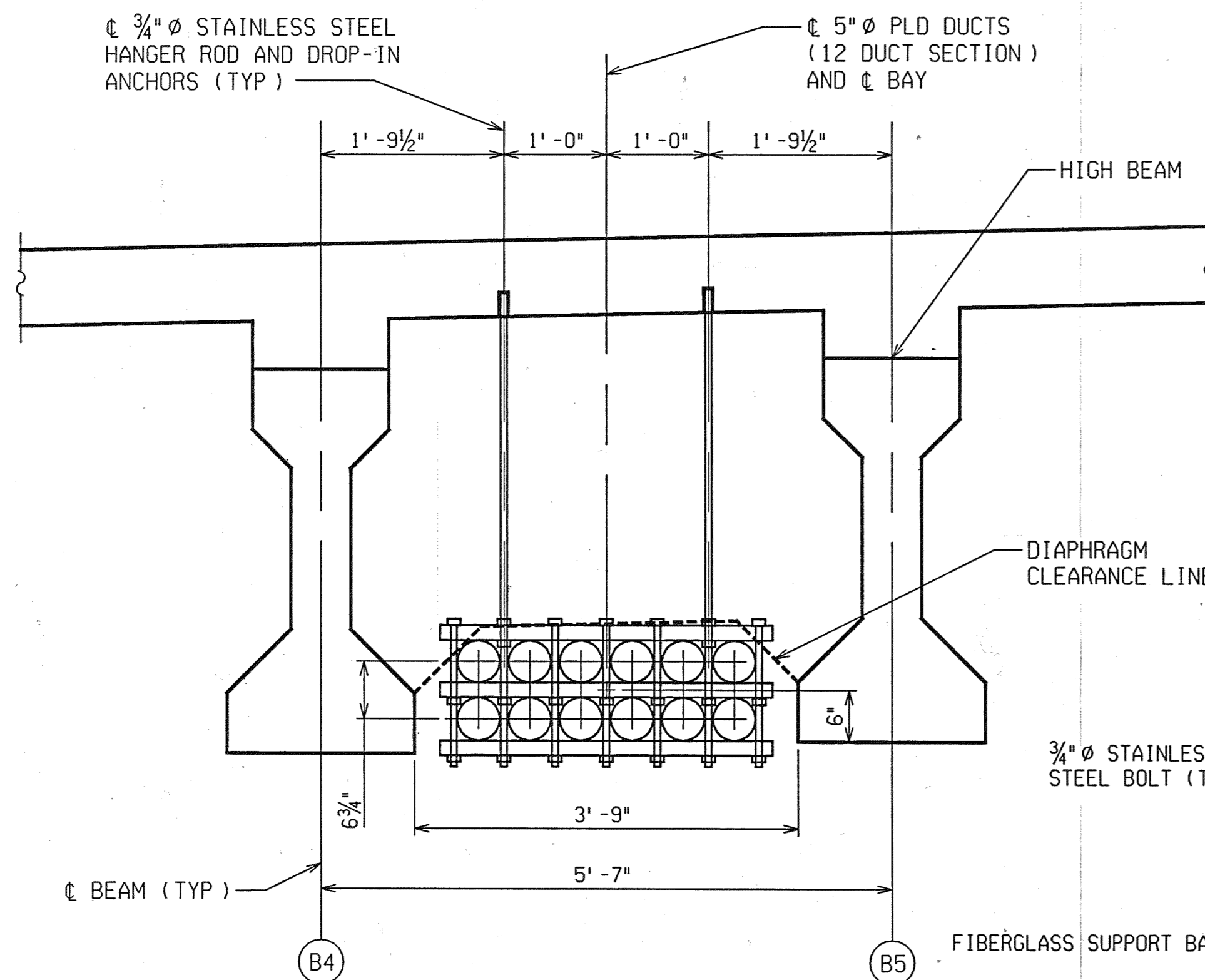


ANCHOR POINT ELEVATION
SUPPORT BETWEEN TWO EXPANSION JOINTS

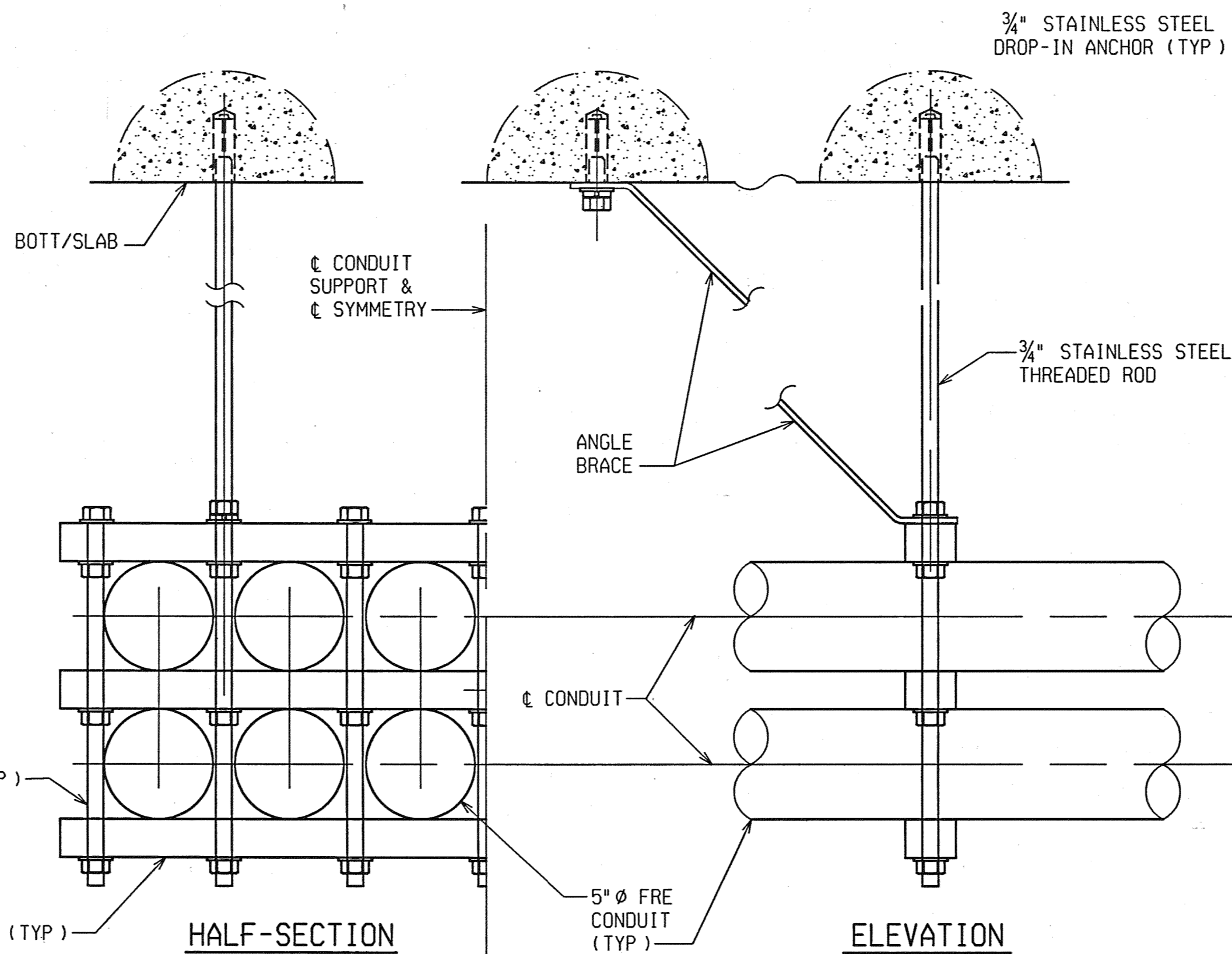
NOTE: ONE EXPANSION JOINT IS REQUIRED AT EACH END OF THE BRIDGE WITHIN 10 FEET OF THE BACKWALL.
ONE SET OF STOP RINGS IS REQUIRED AT THE CENTER OF THE BRIDGE BETWEEN THE TWO EXPANSION JOINTS.



EXPANSION JOINT PLAN VIEW



TYPICAL SECTION THRU I-BEAMS
SHOWING PLD CONDUIT LOCATION



5" CONDUIT SUPPORT HANGERS

MISCELLANEOUS QUANTITIES		
98 Ft	Conduit, FRE - Heavy Wall on Bridge, 12 @ 5 inch	

NOTES:

SEE SPECIAL PROVISION FOR PLD CONDUITS ON BRIDGE.

A COUPLING SHALL BE PLACED ON THE ENDS OF ALL CONDUIT TERMINATIONS AND PLUGGED WITH A SUITABLE REMOVABLE PLUG. A POLYPROPYLENE PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS FOR PULLING CABLE AT A LATER TIME. PULL ROPE SHALL BE INCLUDED IN THE PAY ITEM "Conduit, FRE - Heavy Wall on Bridge, 12 @ 5".

SMOOTH SURFACE CONDUIT ONLY IS ALLOWED ON THIS JOB.

ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH THE MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE SPECIAL PROVISION FOR PLD CONDUITS ON BRIDGE.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

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2/18/2005
CHECKED BY: RJO DATE: 2/18/2005
DRAWN BY: DCP DATE: 2/18/2005
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	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERING DIVISION	PLD CONDUIT DETAILS				
		JEFFERSON AVE OVER DEQUINDRE CUT				
	DATE 02-11-05	STRUCTURE NO. S01 OF 82-22-02	CONT. SEC. BRT 82022	JOB NO. 49717A	SHEET 47 OF 80	

UTILITIES

COMCAST CABLEVISION OF DETROIT
12775 LYNDON
DETROIT, MICHIGAN 48227
ATTN.: RUSTY KEMPER
PHONE No.: (313) 934-2600 X540

DETROIT EDISON COMPANY
2000 SECOND AVE., RM 518 SB
DETROIT, MICHIGAN 48226
ATTN.: ROBERT PETROFF
PHONE No.: (313) 235-6515

METROMEDIA FIBER NETWORK SERVICES
810 JORIE BOULEVARD, STE 110
OAK BROOK, ILLINOIS 60523
ATTN.: JOHN FISK
PHONE No.: (630) 371-0700

CITY OF DETROIT (PUBLIC LIGHTING DEPT.)
1449 GRINNEL AVE
DETROIT, MICHIGAN 48213
ATTN.: STAN TOPOLEWSKI
PHONE No.: (313) 267-7228

CITY OF DETROIT (DWSO)
DETROIT DESIGN SECTION,
1420 WASHINGTON BLVD, 5TH FLOOR.
DETROIT, MICHIGAN 48226
ATTN.: DALJIT SINGH
PHONE No.: (313) 964-8889

SBC AMERITECH
31100 PLYMOUTH ROAD, RM 301
LIVONIA, MICHIGAN 48150
ATTN.: DENNIS LEWIS
PHONE No.: (734) 523-6891

MICHIGAN CONSOLIDATED GAS CO.
3200 HOBSON
DETROIT, MICHIGAN 48201
ATTN.: LEE CUMMINGS
PHONE No.: (313) 577-7327

BENCH MARK

B.M. 200 ELEV. 599.45
CHISLED X ON SOUTH BOLT OF LIGHT/PEDESTRIAN
WALK POLE BASE IN NORTHEAST QUADRANT OF
ST. AUBIN AND JEFFERSON AVE. INTERSECTION
STA. 12+51.40 OFFSET 47.10' LT

B.M. 203 ELEV. 600.84
CHISLED X TOP BOLT EAST SIDE LIGHT POLE BASE
1' NORTH OF BACK OF CURB FROM JEFFERSON AVE.
86° SOUTHWEST OF JEFFERSON AVE. BRIDGE
STA. 8+90.23 OFFSET 46.61' LT

B.M. BM 38-352 ELEV. 605.07
STANDARD CITY OF DETROIT BENCHMARK FOUND AT
THE INTERSECTION OF LAFAYETTE ST. AND
ORLEANS ST.
STA. N/A OFFSET N/A

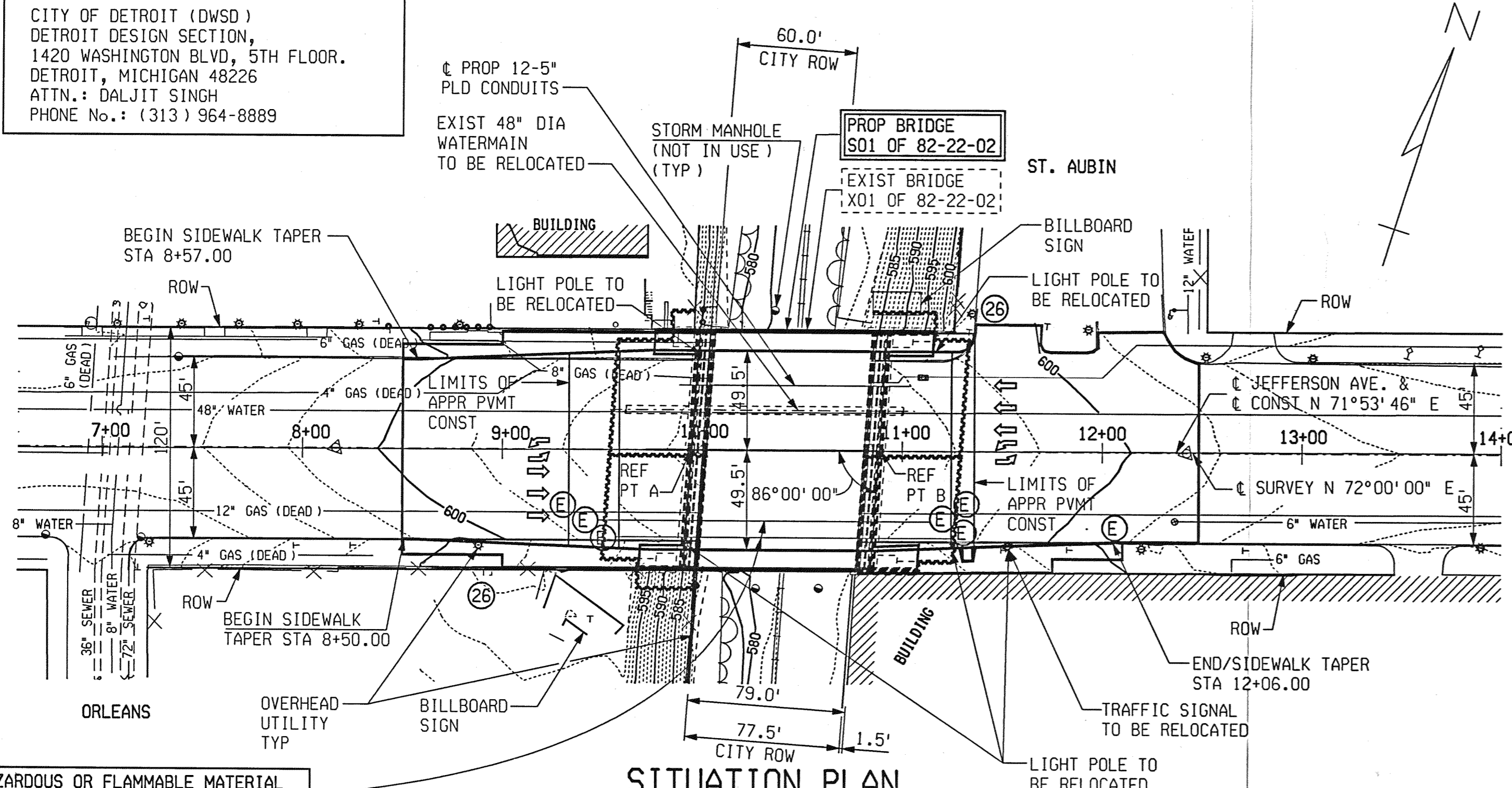
WITNESSES

WITNESS TO CP6; P.O.B. - FOUND PK NAIL ON SURVEY & NORTHING: 32692.897 EASTING: 32452.920 STA. 6+26.23 OFFSET 0.0' LT	WITNESS TO CP3; P.O.T. - FOUND PK NAIL ON SURVEY & NORTHING: 32883.228 EASTING: 33038.700 STA. 12+42.15 OFFSET 0.0' LT
S 15° E BACK OF CURB 45.0'	S 74° W LIGHT POLE 86.4'
N 16° W BACK OF CURB 45.0'	S 27° E METAL SIGN POST 49.0'
S 64° E CATCH BASIN (642) 63.5'	S 05° W METAL SIGN POST 52.9'
N 30° E STORM MANHOLE 91.4'	S 45° W LIGHT POLE 104.2'
WITNESS TO CP5; P.O.T. - FOUND PK NAIL ON SURVEY & NORTHING: 32751.713 EASTING: 32633.939 STA. 8+16.56 OFFSET 0.0' LT	WITNESS TO CP4; P.O.E. - FOUND PK NAIL ON SURVEY & NORTHING: 32959.619 EASTING: 33273.808 STA. 14+89.36 OFFSET 0.0'
N 57° W LIGHT POLE 78.6'	S 17° E BACK OF CURB 45.0'
N 35° E LIGHT POLE 79.1'	N 10° W BACK OF CURB 45.0'
S 70° E LIGHT POLE 75.6'	S 35° W FIRE HYDRANT 79.0'
S 07° W LIGHT POLE 52.6'	N 60° W METAL SIGN POST 76.4'

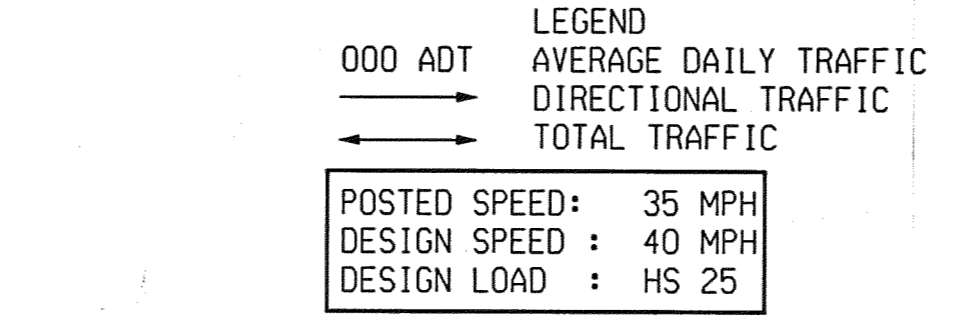
REVISIONS			
NO.	DESCRIPTION	DATE	BY

EXISTING STRUCTURE

THREE SPAN CONCRETE ENCASED STEEL BEAM
STRUCTURE MEASURING 84.0 FEET BETWEEN
REFERENCE LINES. CONCRETE ABUTMENTS
AND PIERS ON WOOD PILES. BUILT IN 1923.
90 FEET CLEAR ROADWAY WIDTH.



2024 ESTIMATED TRAFFIC DISTRIBUTION

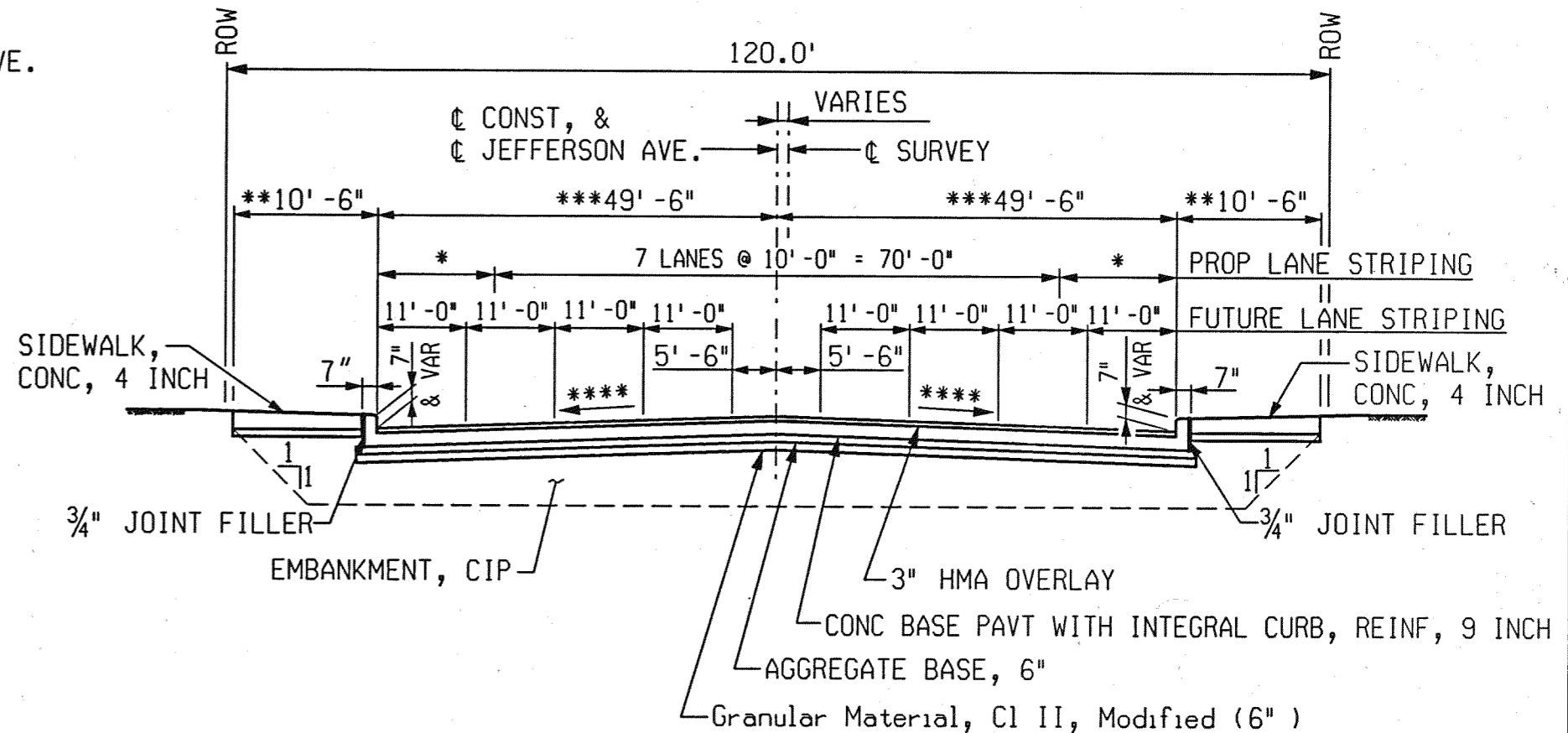


EROSION AND SEDIMENTATION CONTROL

KEY	TOTAL	ITEM
(26)	120 Ft	Erosion Control, Silt Fence

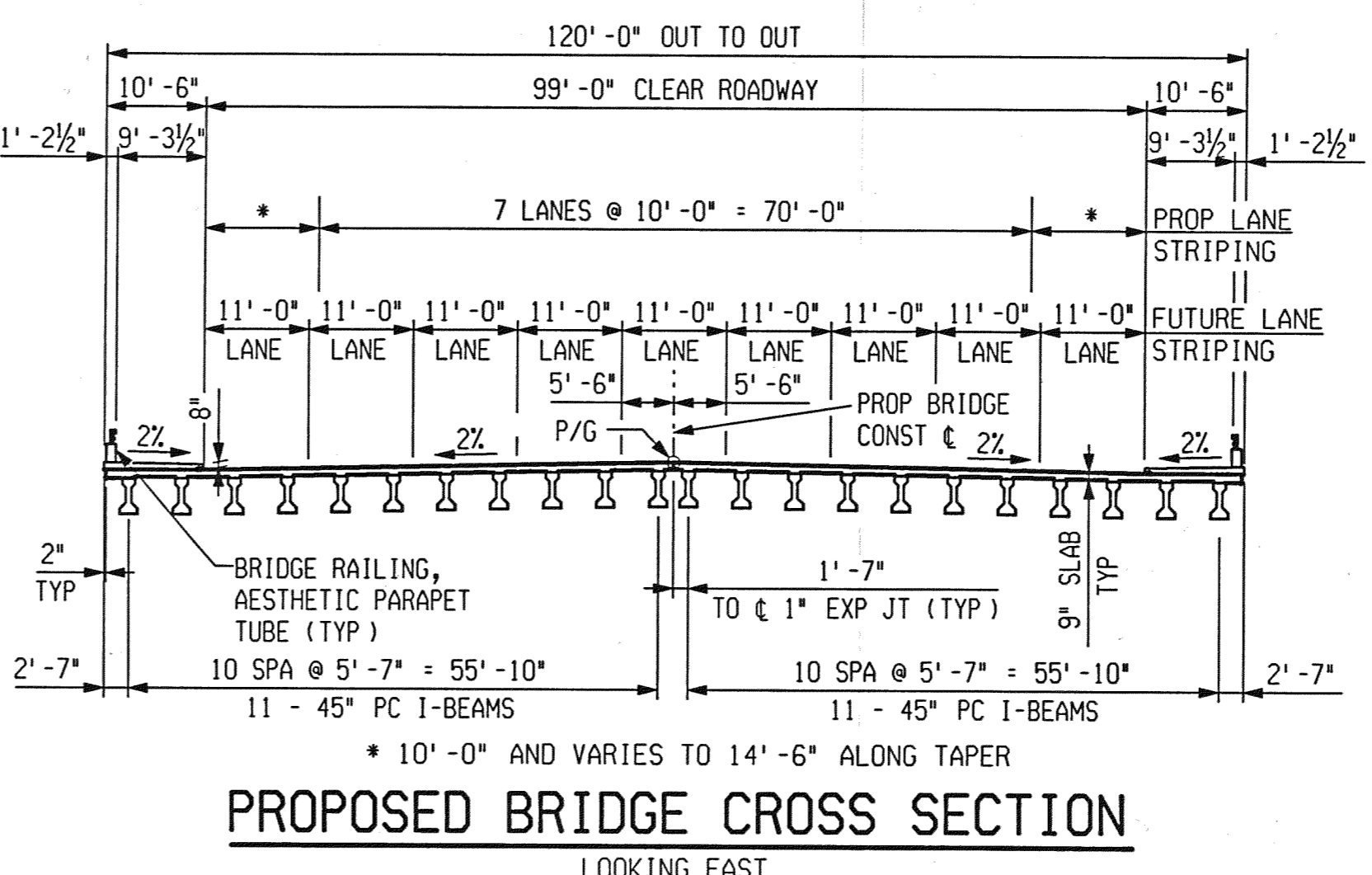
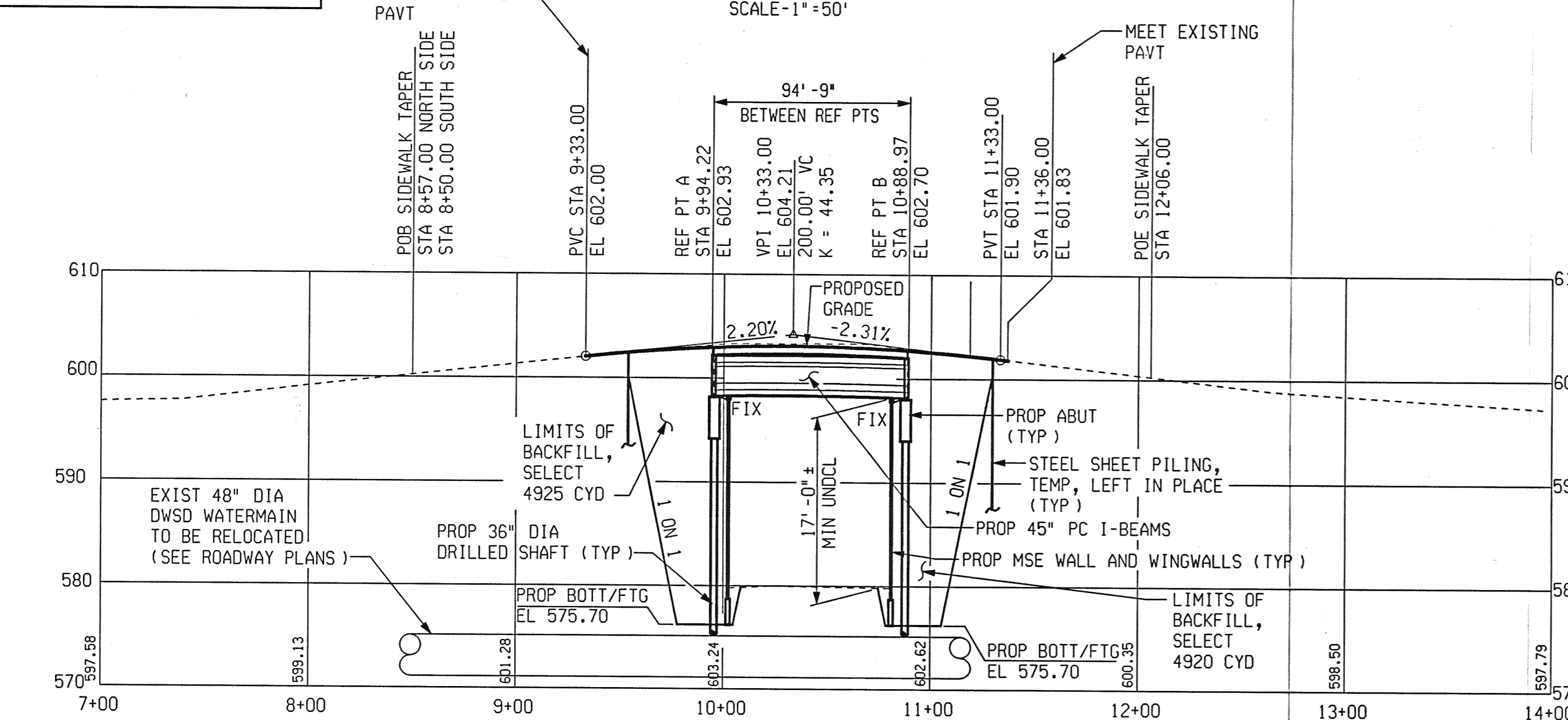
TEMPORARY STORED EXCAVATED FOUNDATION MATERIAL SHALL BE PROTECTED WITH GEOTEXTILE SILT FENCE

NOTE:
LANE WIDTHS SHOWN ON PROPOSED BRIDGE AND TYPICAL APPROACH SECTION ARE FOR FUTURE ROAD USE. LANES SHALL BE STRIPED TO MATCH EXISTING FOR THE IMMEDIATE USE OF THE STRUCTURE. (APPLIES TO APPROACH ROADWAY ALSO.)

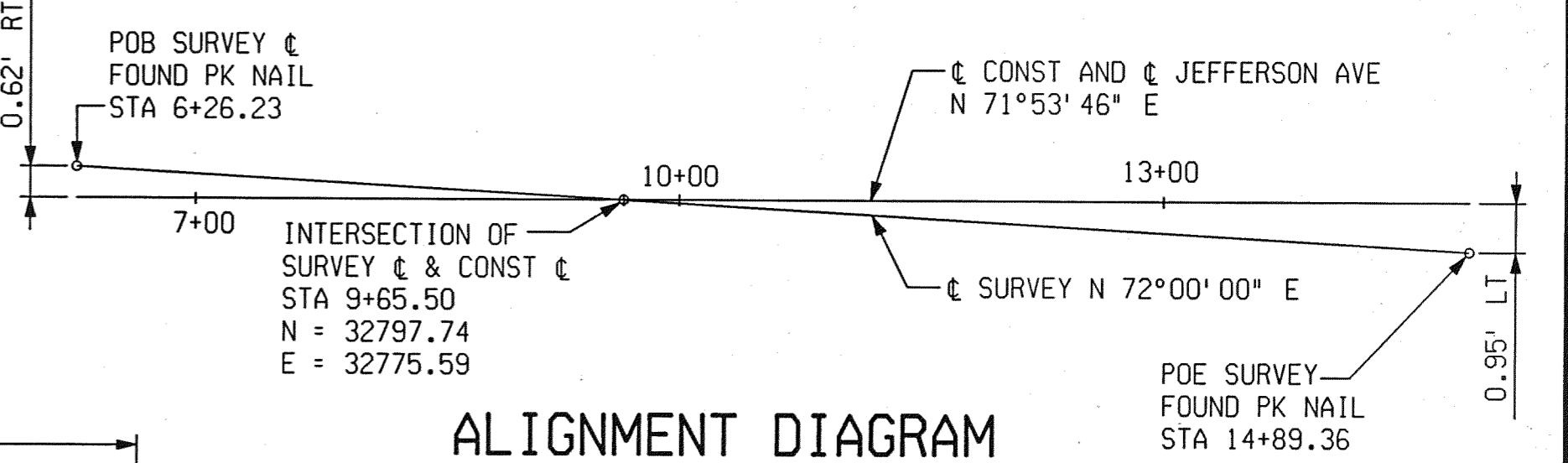


TYPICAL APPROACH SECTION

- * 10'-0" AND VARIES TO 14'-6" ALONG TAPER
- ** 10'-6" AND VARIES TO 15'-0" ALONG TAPER
- *** 49'-6" AND VARIES TO 45'-0" ALONG TAPER
- **** 2% AND VARIES TO PARABOLIC CROSS-SECTION



ALIGNMENT DIAGRAM



NOTES:
 THE WORK COVERED BY THESE PLANS INCLUDES MAINTAINING TRAFFIC, REMOVAL OF EXISTING BRIDGE, CONSTRUCTION OF THE PROPOSED BRIDGE AND APPROACH WORK.
 THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
 TWO LANES OF JEFFERSON AVENUE TRAFFIC, IN EACH DIRECTION, IS TO BE MAINTAINED OVER THE BRIDGE BY PART-WIDTH CONSTRUCTION
 PLAN ELEVATIONS REFER TO CITY OF DETROIT DATUM.
 THE GROUND ADJACENT TO THE TRACKS AND STRUCTURE SHALL BE GRADED BY THE CONTRACTOR TO PROVIDE DRAINAGE, AFTER THE REMOVAL OF THE TWO PIERS.

GENERAL PLAN OF SITE
JEFFERSON AVE OVER DEQUINDRE CUT

DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	48 OF 80

3 WORKING DAYS EXCLUDING SATURDAY, SUNDAY & HOLIDAYS BEFORE YOU DIG CALL MISS DIG 1-800-482-3171 TOLL FREE 1-800-482-3171

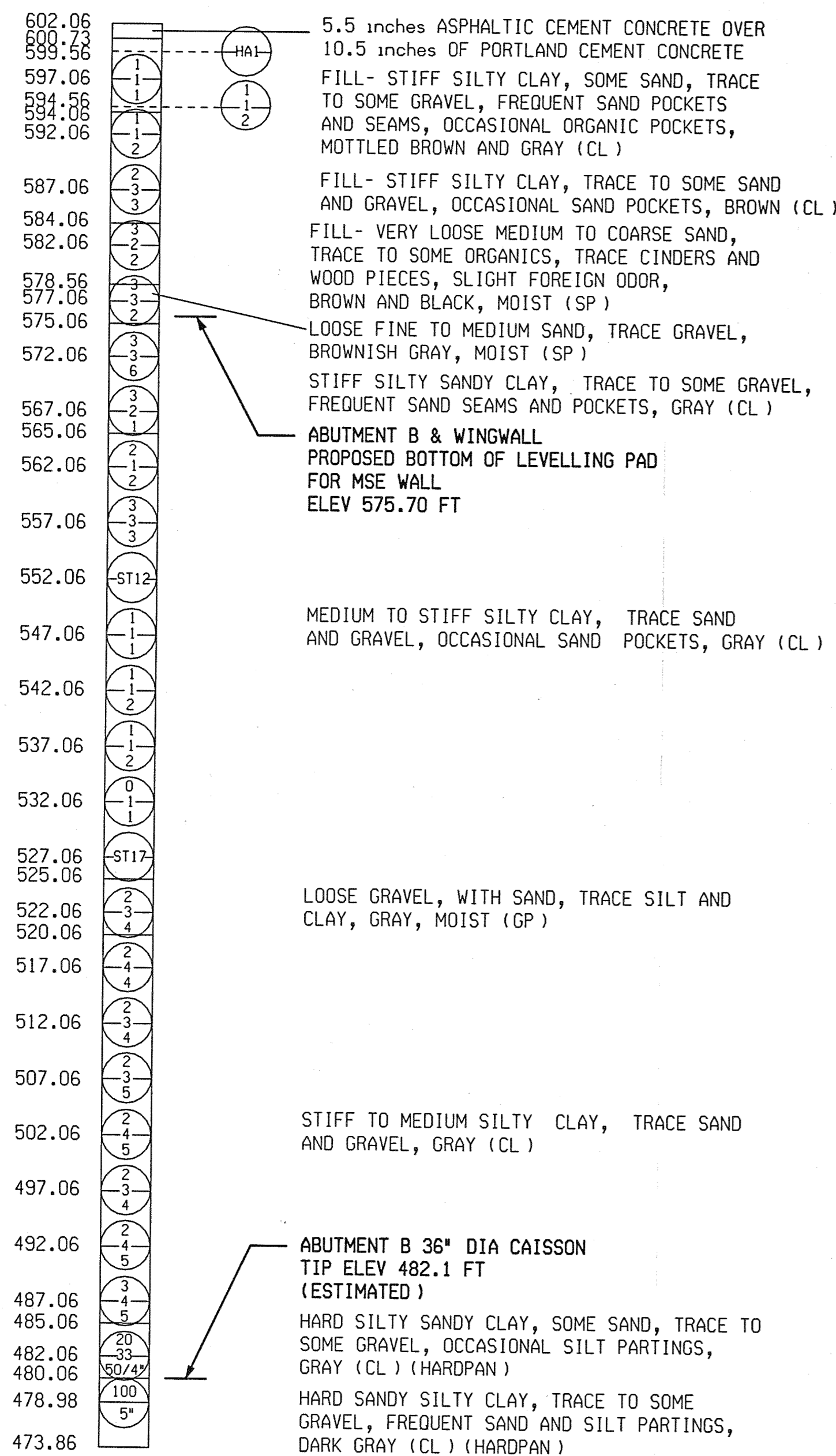
PB PARSONS BRINCKERHOFF, INC.
535 Griswold Street
Buhl Building, Suite 1525
Detroit, MI 48226
313-963-5700

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

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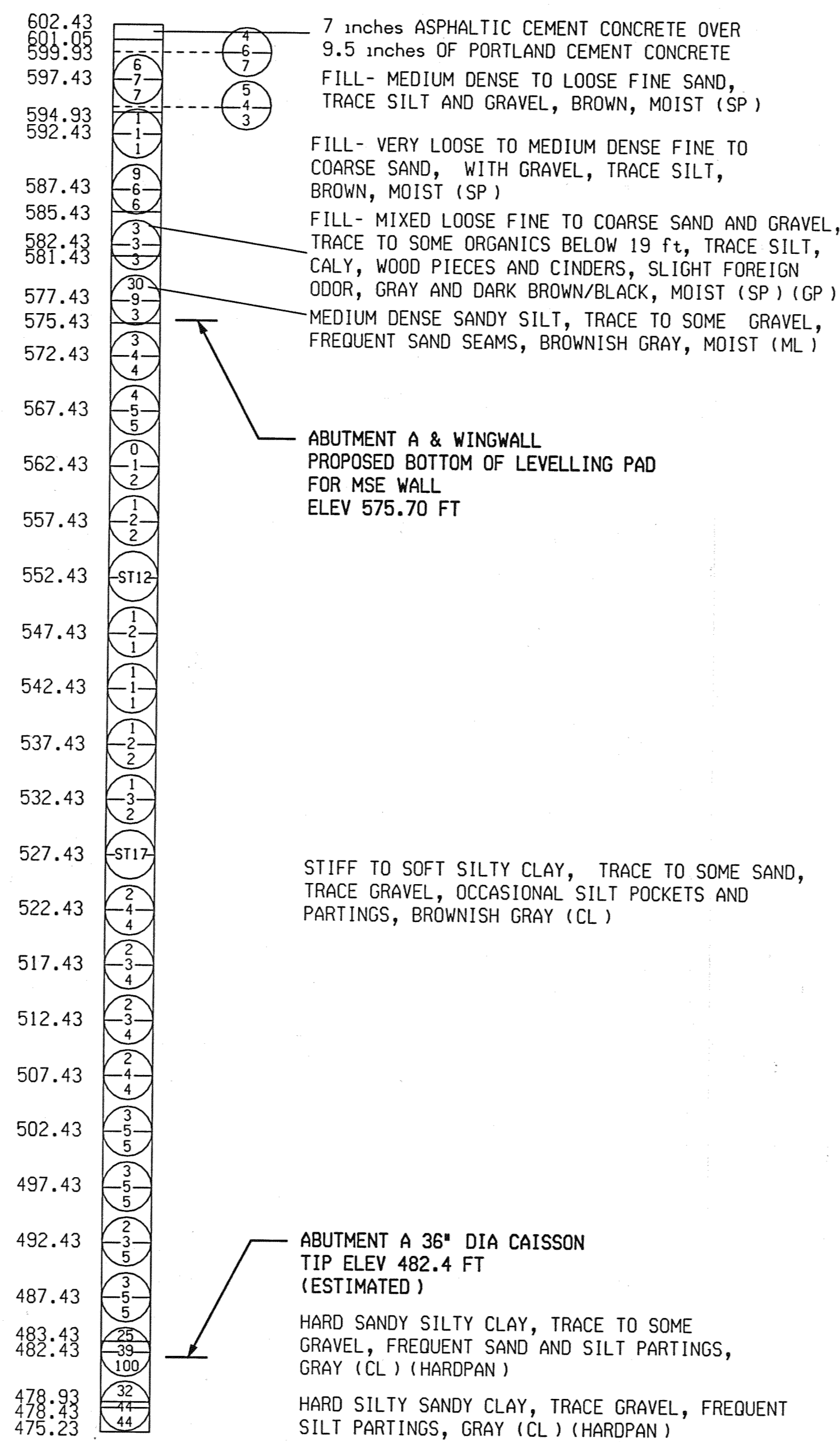
TEST HOLE NO. B-1
GROUND SURFACE EL : 602.06
N: 32798.1728
E: 32908.1338



END OF BORING 128.2 ft (ROCK ENCOUNTERED)

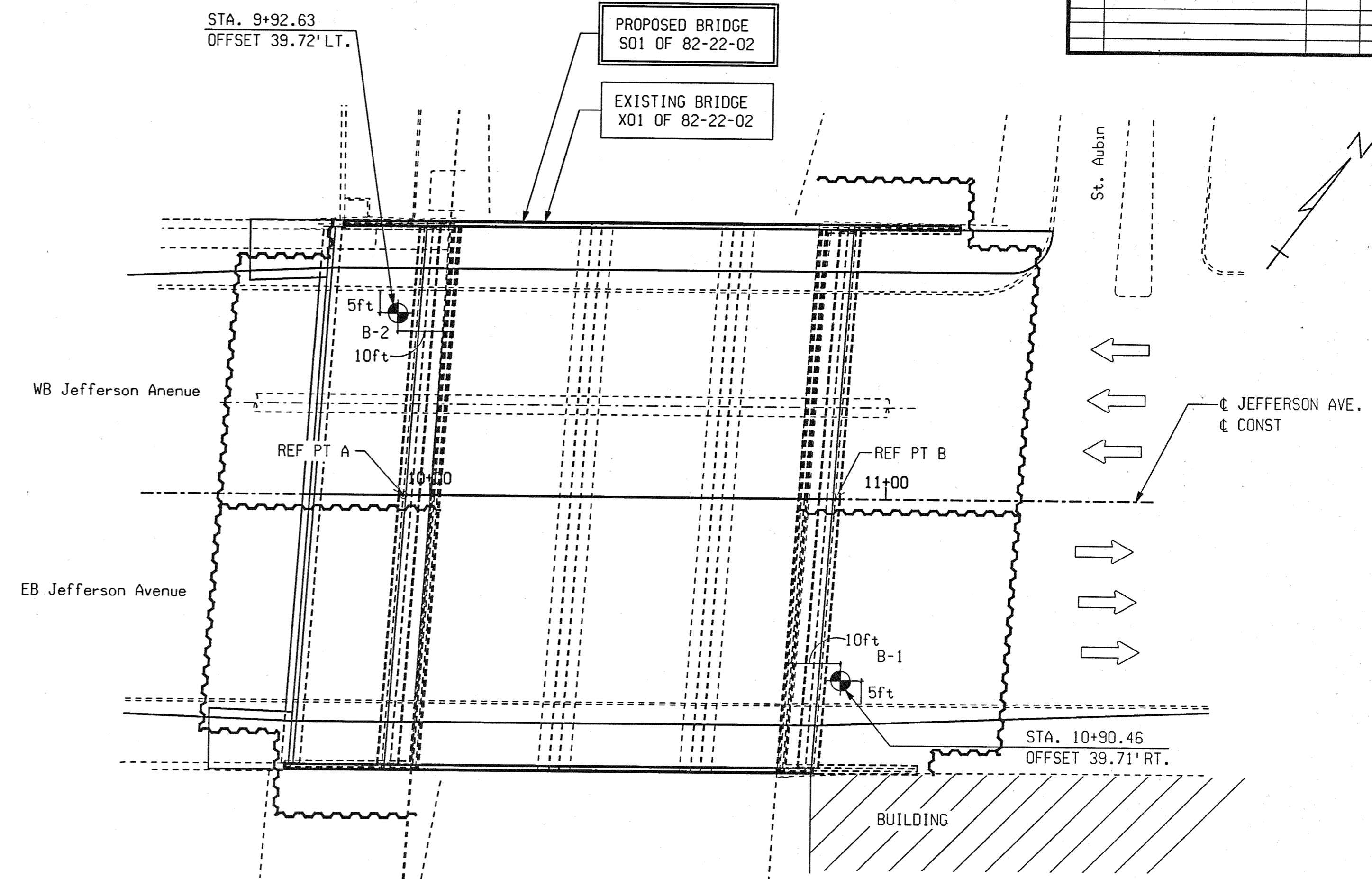
BORING DATE: 5-14-03 TO 5-16-03
NO GROUNDWATER ENCOUNTERED DURING DRILLING
NO GROUNDWATER REPORTED UPON COMPLETION OF DRILLING
DUE TO WASH ROTARY METHOD OF DRILLING

TEST HOLE NO. B-2
GROUND SURFACE EL : 602.43
N: 32844.7473
E: 32790.4664



END OF BORING 127.2 ft (ROCK ENCOUNTERED)

BORING DATE: 4-30-03 TO 5-02-03
NO GROUNDWATER ENCOUNTERED DURING DRILLING
NO GROUNDWATER REPORTED UPON COMPLETION OF DRILLING
DUE TO WASH ROTARY METHOD OF DRILLING



LEGEND

SOIL BORING LOCATION

GENERAL NOTES

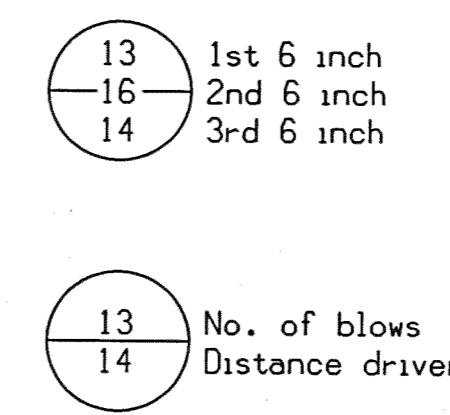
NUMBERS IN CIRCLES DENOTE NUMBER OF BLOWS REQUIRED TO DRIVE A 2 inch OD (1.5 inch ID) SPLIT SPOON SAMPLER 3 SUCCESSIVE 6 inch INCREMENTS USING A 140 lb HAMMER FALLING 30 inches.

(WHERE THE SAMPLER IS DRIVEN DISTANCES OTHER THAN 18 inches, THE DISTANCE IS SHOWN IN THE CIRCLE WITH THE NUMBER OF BLOWS IN THE FORM OF A FRACTION.) (DISTANCE IS IN INCHES).

CONSISTENCY WAS DETERMINED BY INSPECTION OF SAMPLES AND SUBSTANTIATED BY SOIL RESISTANCE TO DRILLING TOOLS.

THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY IMPLIES THAT THE SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING.

GROUNDWATER LEVELS MAY FLUCTUATE AND MAY BE DIFFERENT AT THE TIME OF CONSTRUCTION.



PARSONS BRINCKERHOFF, INC.
535 Grewald Street
Buhl Building, Suite 1526
Detroit, MI 48226
313-963-6700

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

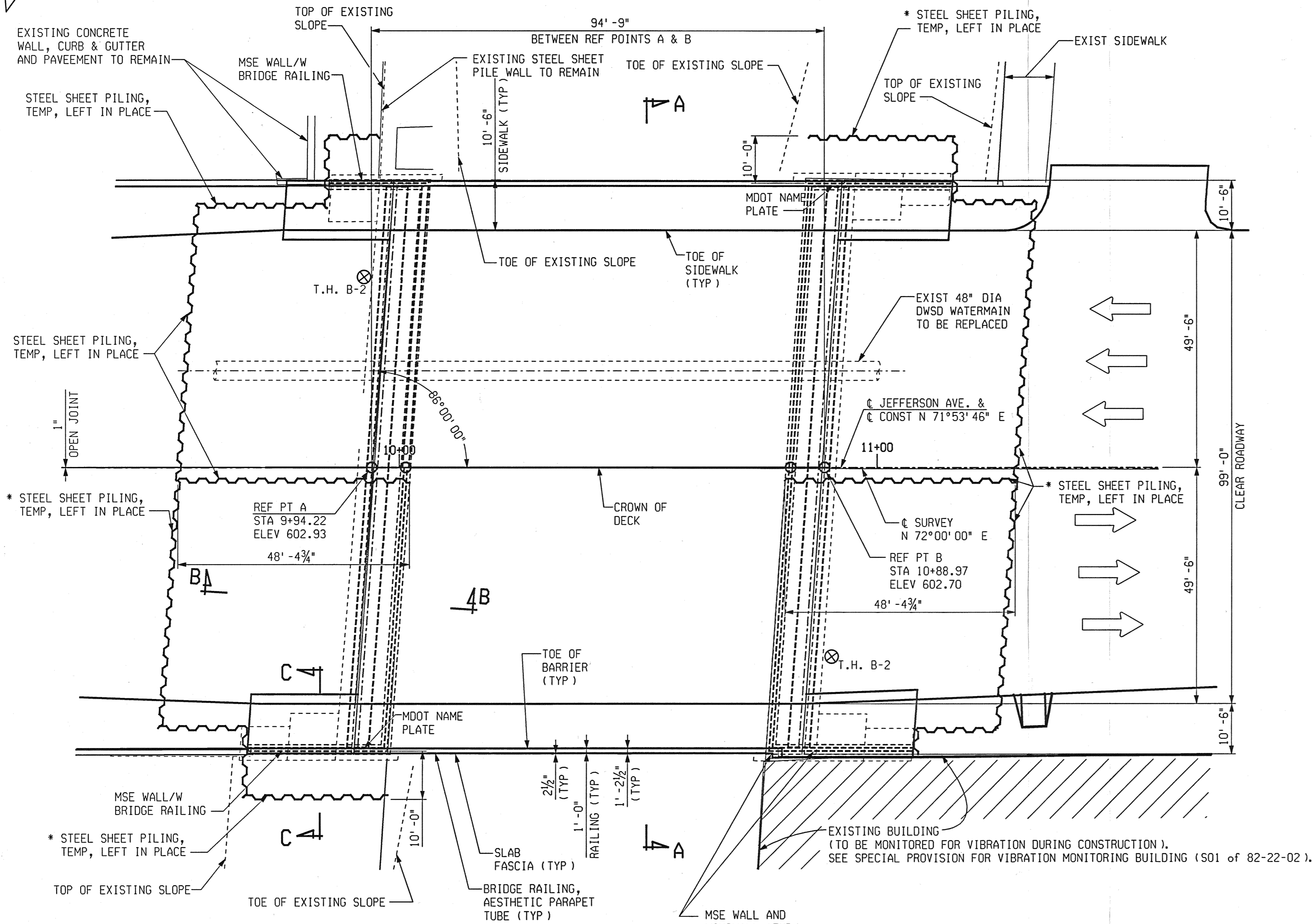
LOG OF BORINGS
JEFFERSON AVE OVER DEQUINDRE CUT

DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	49 OF 80

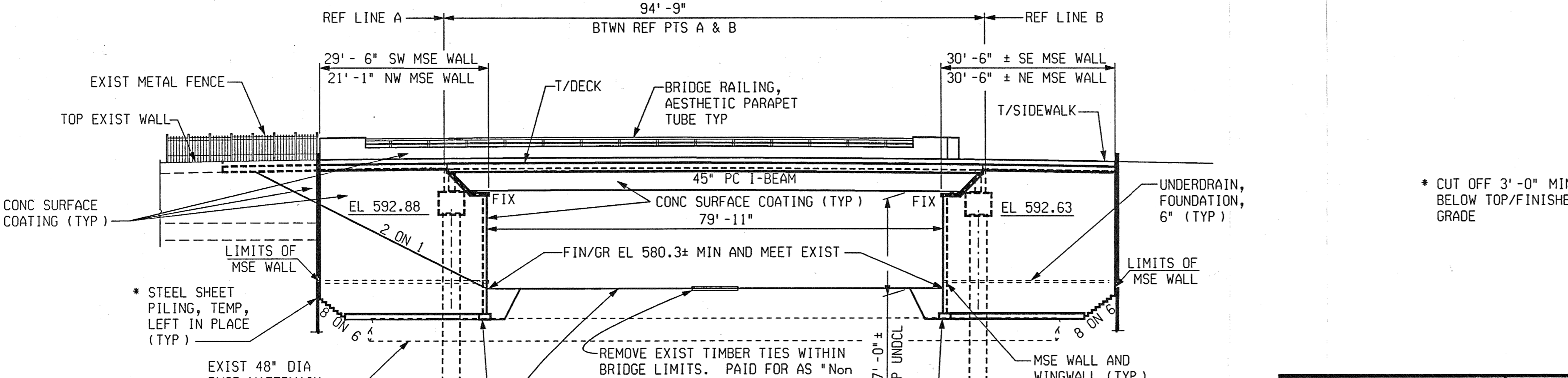
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

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PLAN



ELEVATION
(LOOKING NORTH)

MISCELLANEOUS QUANTITIES		
1	LS	Structures, Rem (S01 of 82-22-02)
440	Cyd	Backfill, Structure, CIP
9,900	Cyd	Backfill, Select
200	Cyd	Embankment, CIP
11,000	Cyd	Excavation, Fdn
12,000	Sft	Steel Sheet Piling, Temp, Left in Place
1	LS	Conc Surface Coating (S01 of 82-22-02)
380	Ft	Underdrain, Fdn, 6 inch
727	Cyd	Conc Quality Assurance, Structure
727	Dir	Conc Quality Initiative
1	LS	Vibration Monitoring Building (S01 of 82-22-02)

NOTES:

THE DESIGN OF THIS STRUCTURE IS BASED ON CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES HS25 AND ALTERNATE MILITARY LOADING. LIVE LOAD PLUS IMPACT DEFLECTION DOES NOT EXCEED 1/800 OF SPAN LENGTH. THE LOAD FACTOR METHOD OF DESIGN WAS USED FOR THIS STRUCTURE.

THE CONTRACTOR WILL BE FURNISHED WITH PLANS OF THE EXISTING STRUCTURE UPON REQUEST

MAXIMUM ALLOWABLE SOIL BEARING PRESSURE FOR MSE WALL IS 3,000 PSF.

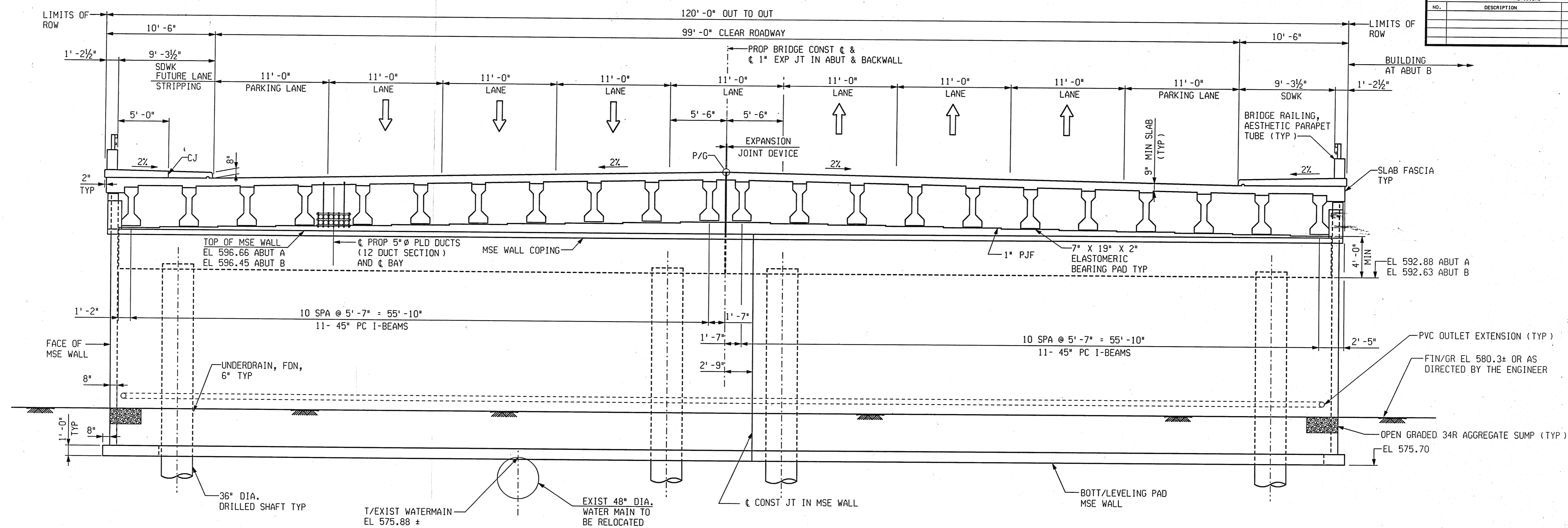
PLACEMENT OF TEMPORARY BARRIER SHALL BE ACCORDING TO STANDARD PLAN R-126-SERIES OR AS APPROVED BY THE ENGINEER.

CONC SURFACE COATING SHALL BE APPLIED TO THE EXPOSED PORTIONS OF THE EXISTING BRIDGE RETAINING WALLS TO REMAIN IN PLACE, MSE WALLS AND COPING, BRIDGE RAILING, DECK FASCIA CONTINUING UNDER THE DECK TO THE BEAM AND THE BEAM FASCIA. THE ESTIMATED AREA OF CONC SURFACE COATING IS 10,000 SQUARE FEET.

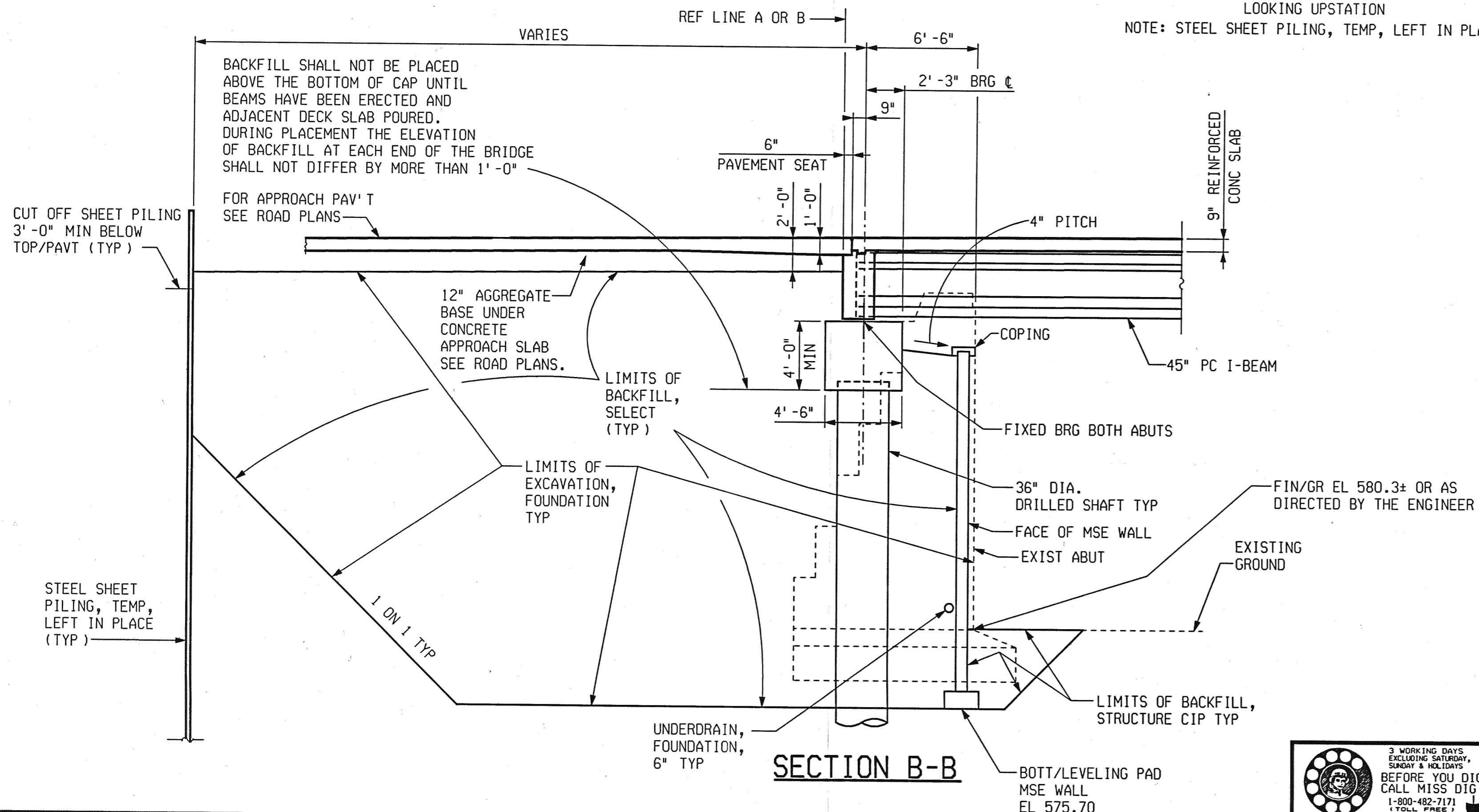
	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERING DIVISION	GENERAL PLAN OF STRUCTURE JEFFERSON AVE OVER DEQUINDRE CUT				
		DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
		02-11-05	S01 OF 82-22-02	BRT 82022	49717A	50 OF 80

DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 FILE NAME: G:\35458d\Struct\CA001\jeff_s101.dgn

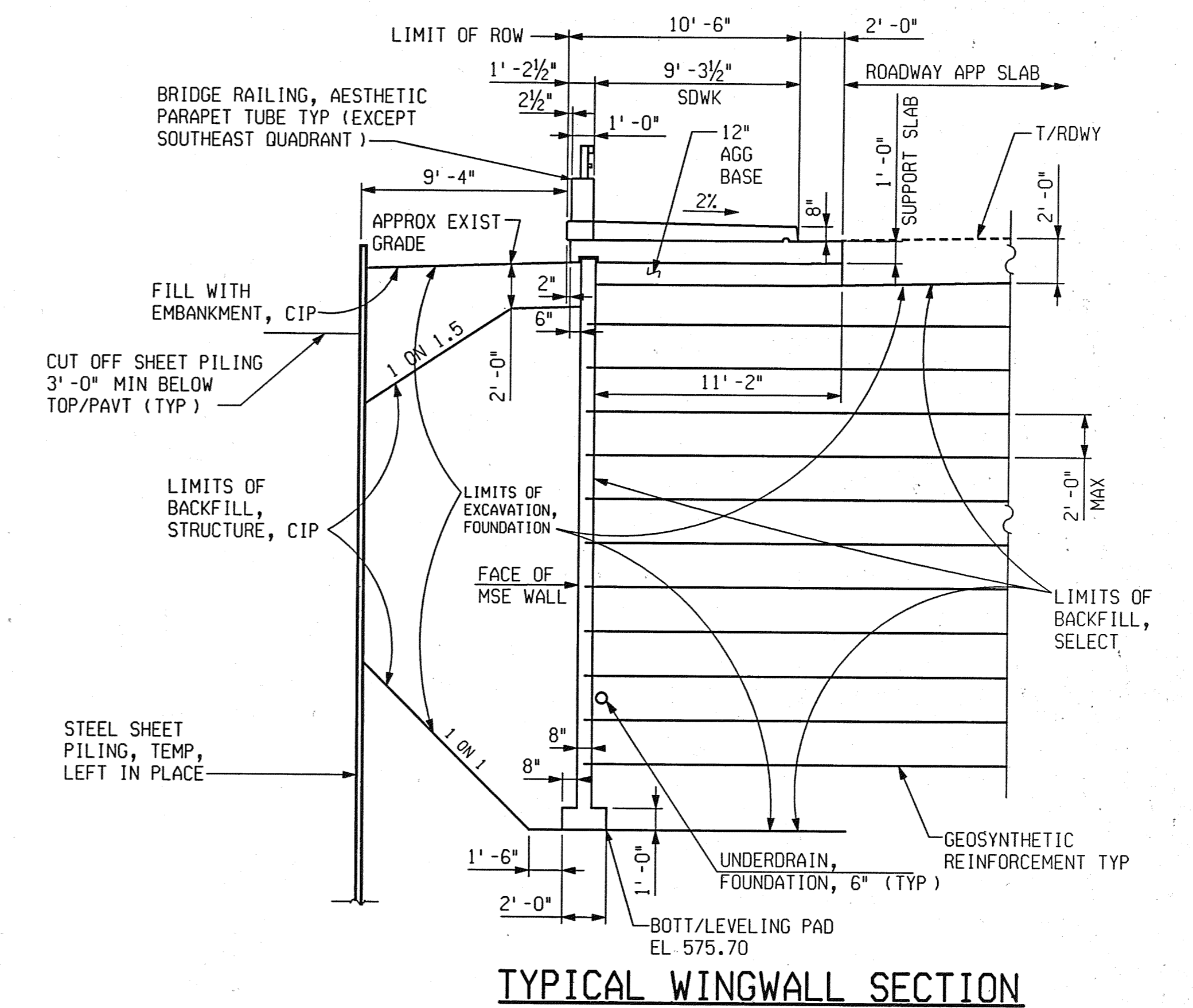
REVISIONS			
NO.	DESCRIPTION	DATE	BY



SECTION A-A
LOOKING UPSTATION
NOTE: STEEL SHEET PILING, TEMP, LEFT IN PLACE NOT SHOWN.



SECTION B-B



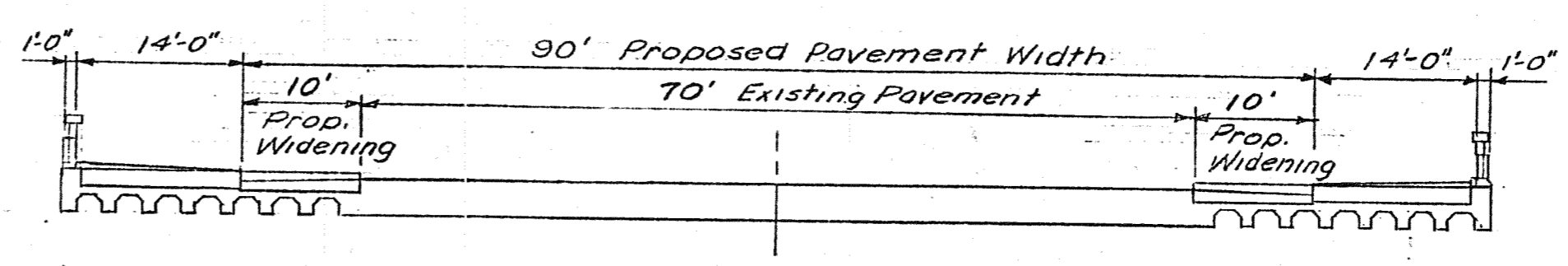
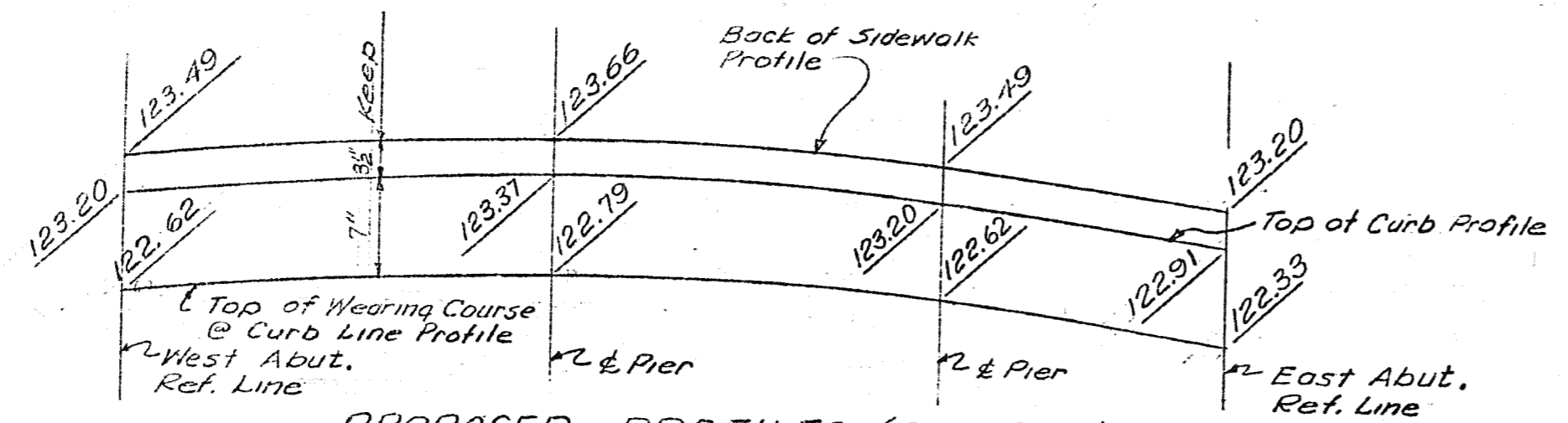
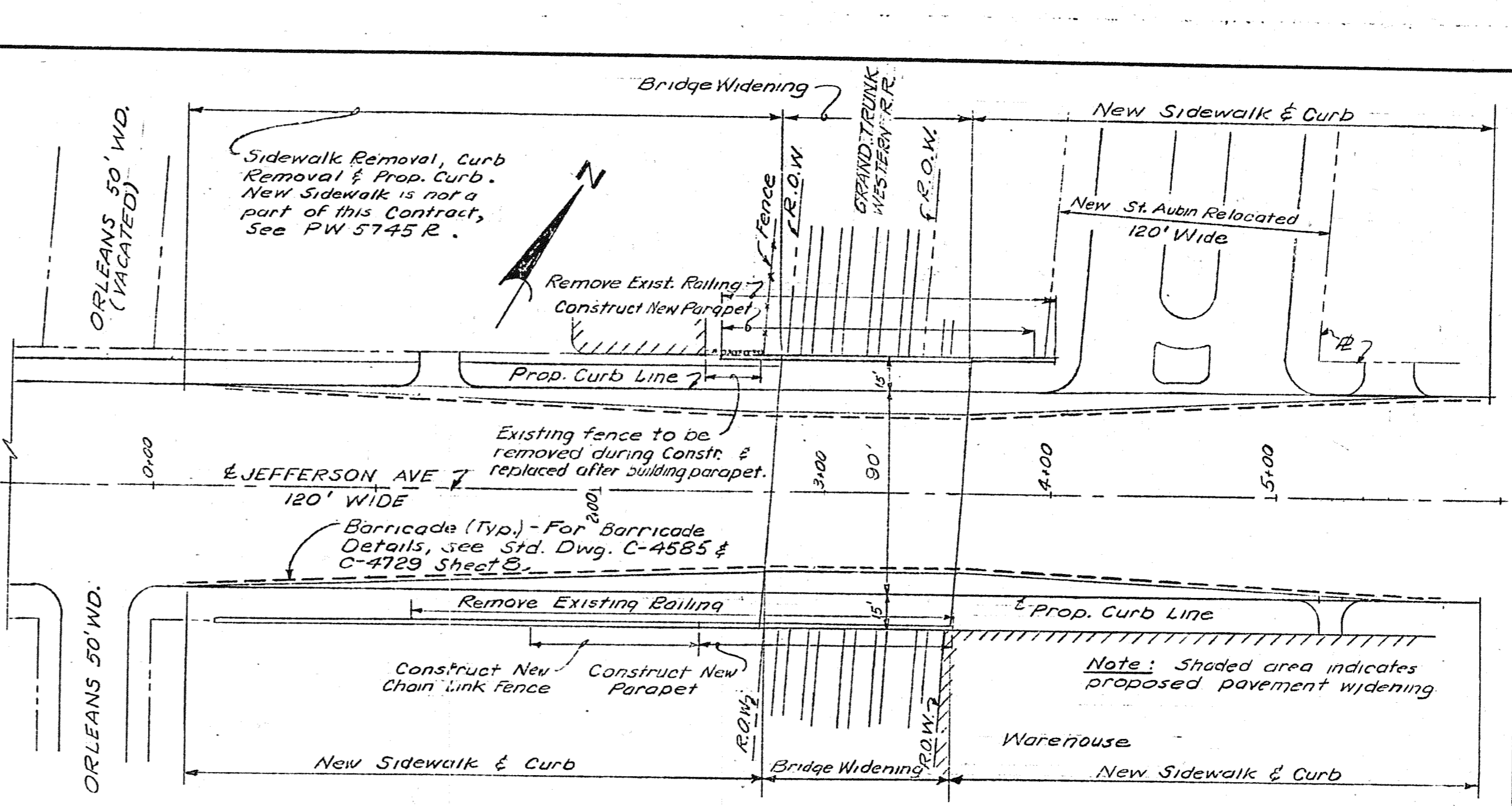
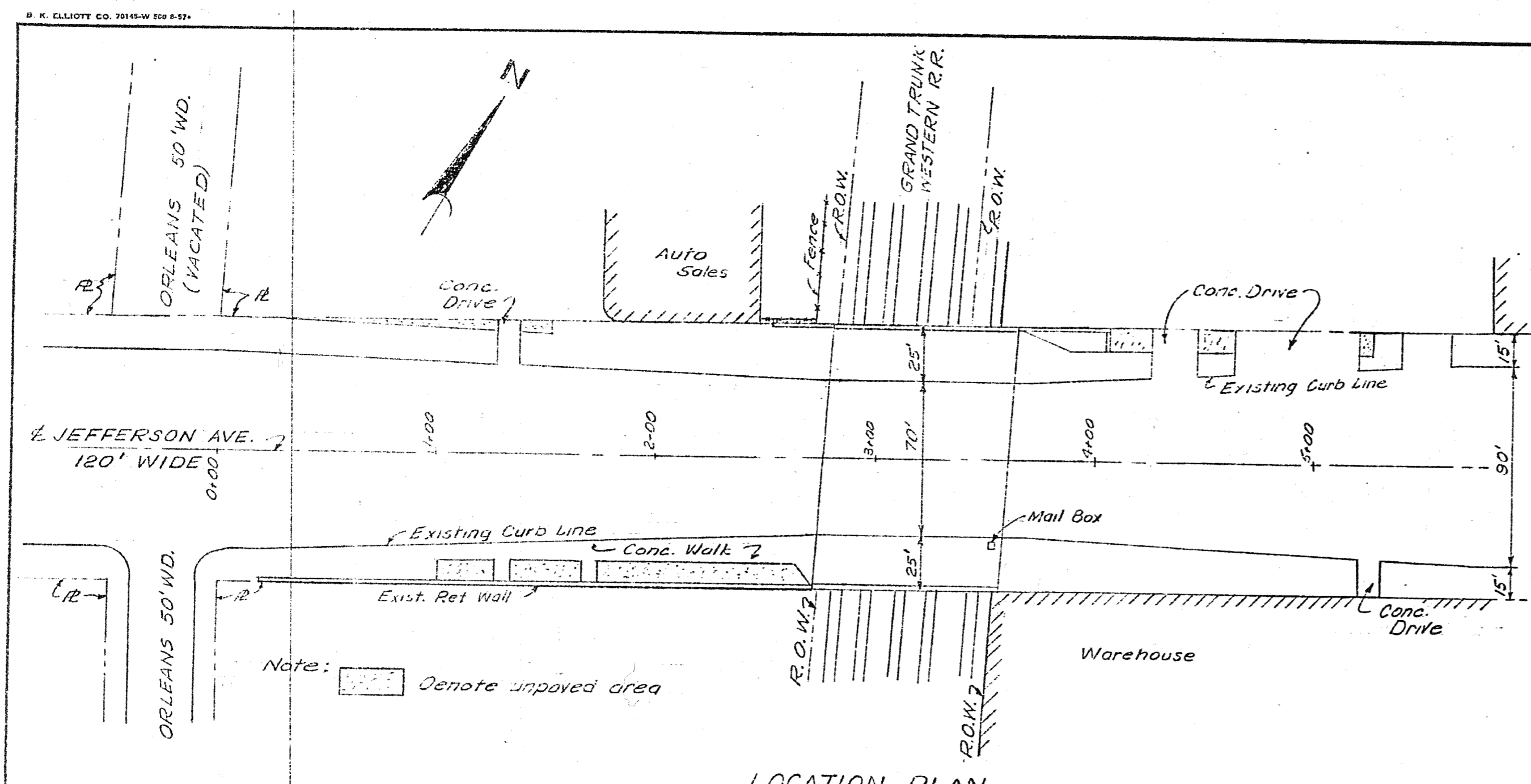
TYPICAL WINGWALL SECTION

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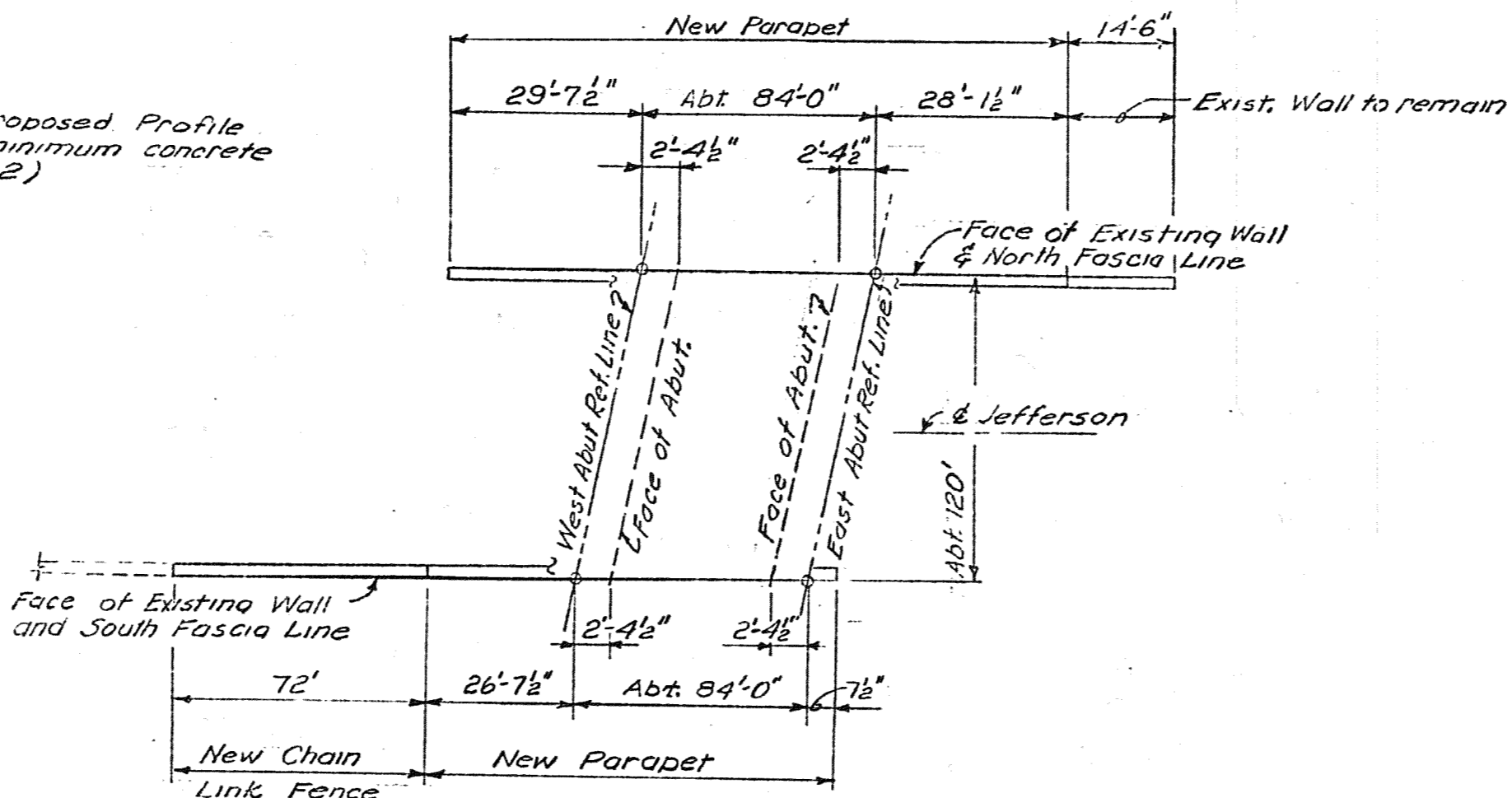
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 CHECKED BY: RJO DATE: 2/18/2005
 9:16:37 AM

PARSONS BRINCKERHOFF, INC. 535 Griswold Street 30th Floor, Suite 1525 Detroit, MI 48226 313-963-5700	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERING DIVISION	GENERAL PLAN OF STRUCTURE JEFFERSON AVE OVER DEQUINDRE CUT				
		DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
		02-11-05	S01 OF 82-22-02	BRT 82022	49717A	51 OF 80

REVISIONS			
NO.	DESCRIPTION	DATE	BY



Note: The Engineer shall field-adjust Proposed Profile elevations if required to keep 5" minimum concrete slab. (See Section 8-B sheet 2)



NO.	DESCRIPTION	DATE	BY

APPROVED: *[Signature]*
STRUCTURAL ENGINEER

DESIGNED BY: Locher
DRAWN BY: Locher
TRACED BY: *[Signature]*
CHECKED BY: STURM
CITY ENGINEER

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
HIGHWAY & EXPRESSWAY DIVISION
BRIDGE WIDENING

JEFFERSON AVE BRIDGE X068
OVER
G.T.W.R.R.
GENERAL PLAN OF SITE

SHEET 1 OF 9 SHEETS
JOB No. PW 5752
DRWG No. C-101
DATE OCT 1966

FOR INFORMATION ONLY

DO NOT WORK FROM THIS SHEET. THE INFORMATION SHOWN HERE IS FOR REFERENCE ONLY. NO PAY ITEMS ARE SHOWN.



PARSONS BRINCKERHOFF, INC.
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Detroit, MI 48226
313-663-6760

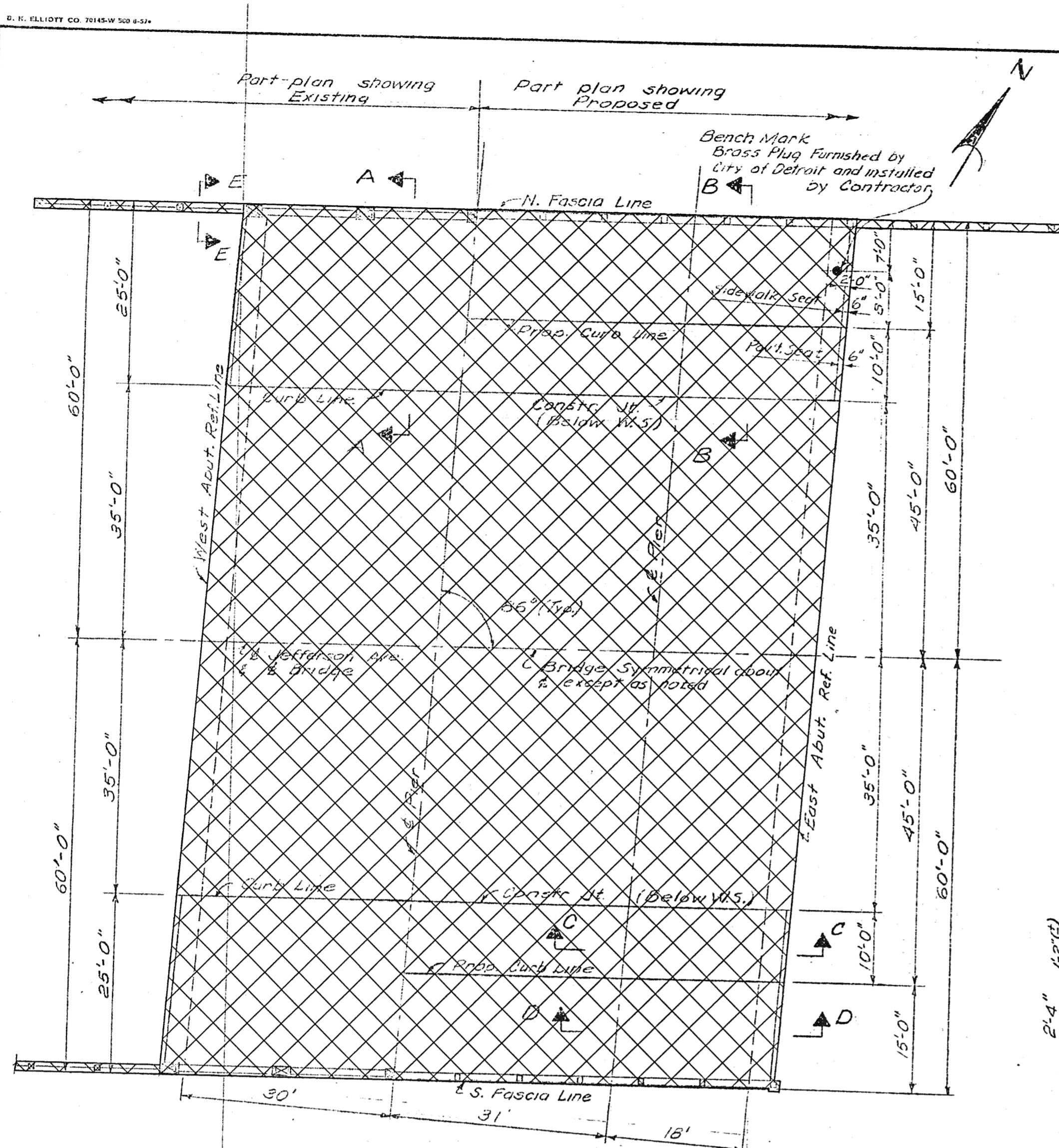
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

EXISTING GENERAL PLAN OF SITE JEFFERSON AVE OVER DEQUINDRE CUT				
DATE 02-11-05	STRUCTURE NO. S01 OF 82-22-02	CONT. SEC. BRT 82022	JOB NO. 49717A	SHEET 52 OF 80

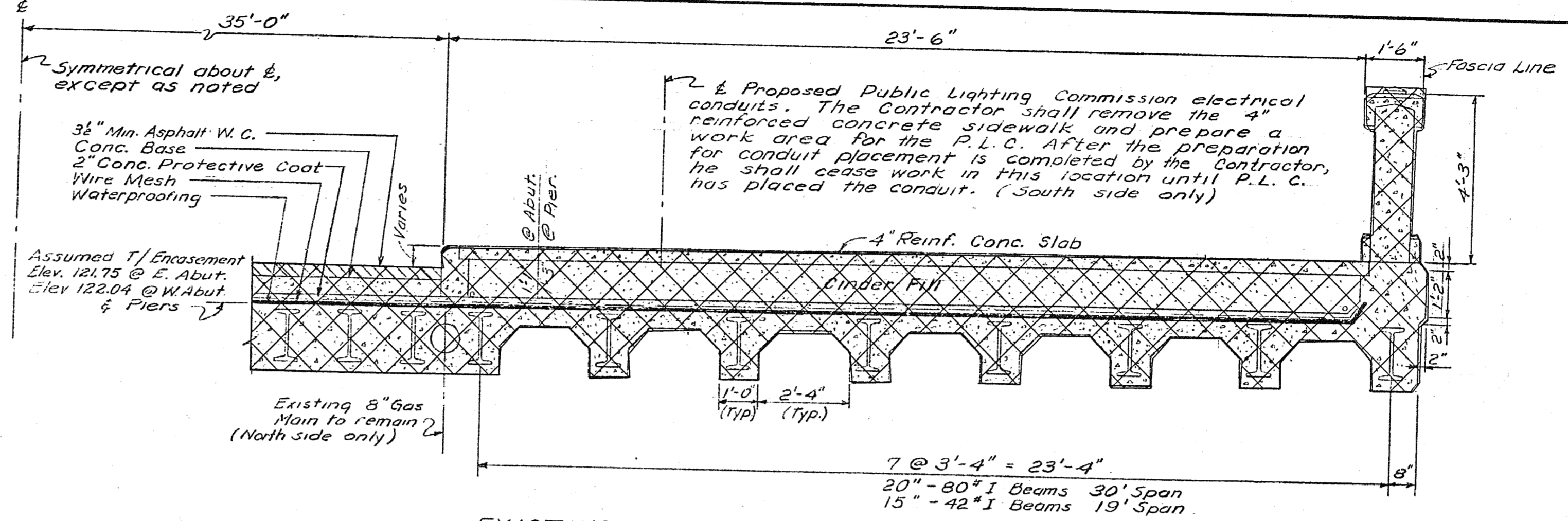
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

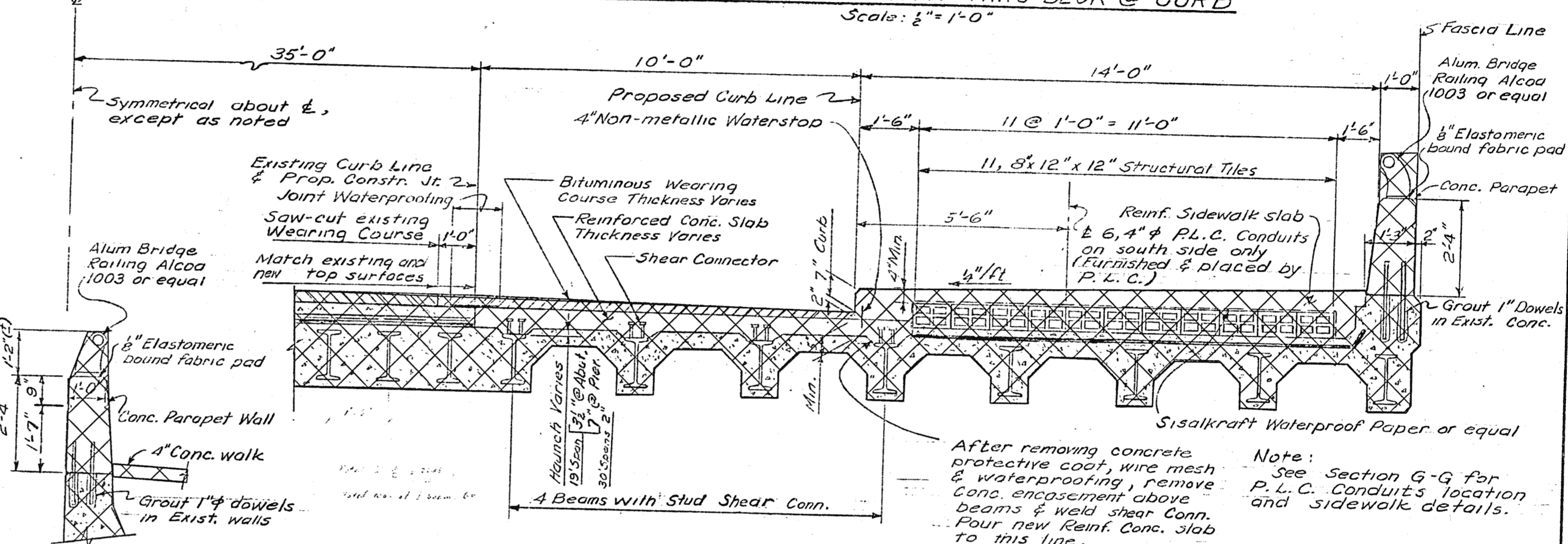
REVISIONS			
NO.	DESCRIPTION	DATE	BY



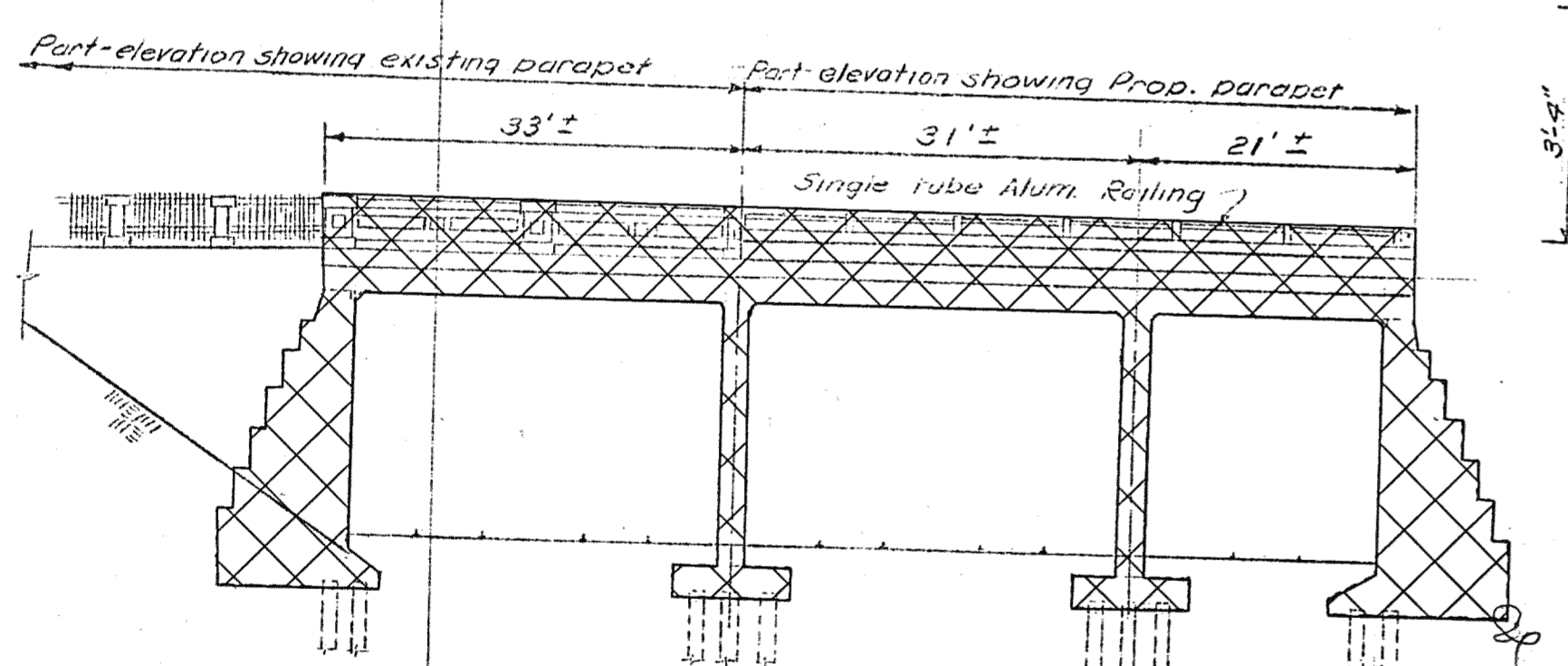
PLAN Scale: 1/32" = 1'-0"



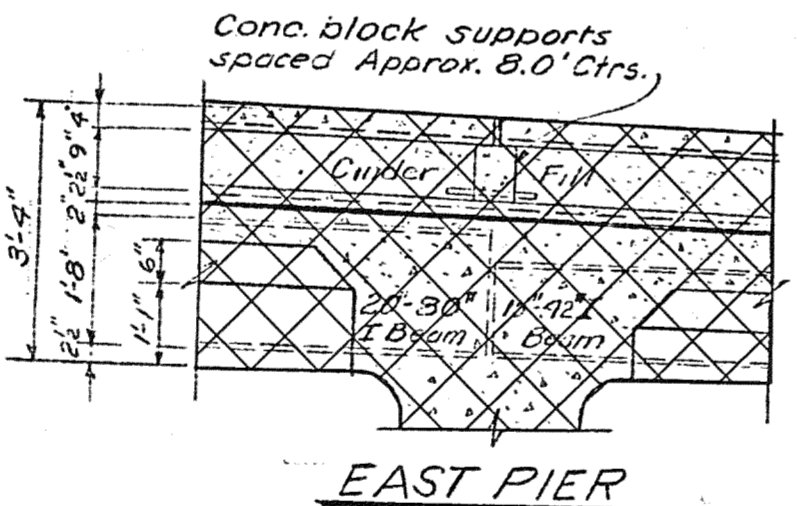
EXISTING TYPICAL SECTION A-A THRU DECK @ CURB Scale: 1/2" = 1'-0"



PROPOSED TYPICAL SECTION BB THRU DECK @ CURB Scale: 1/2" = 1'-0"

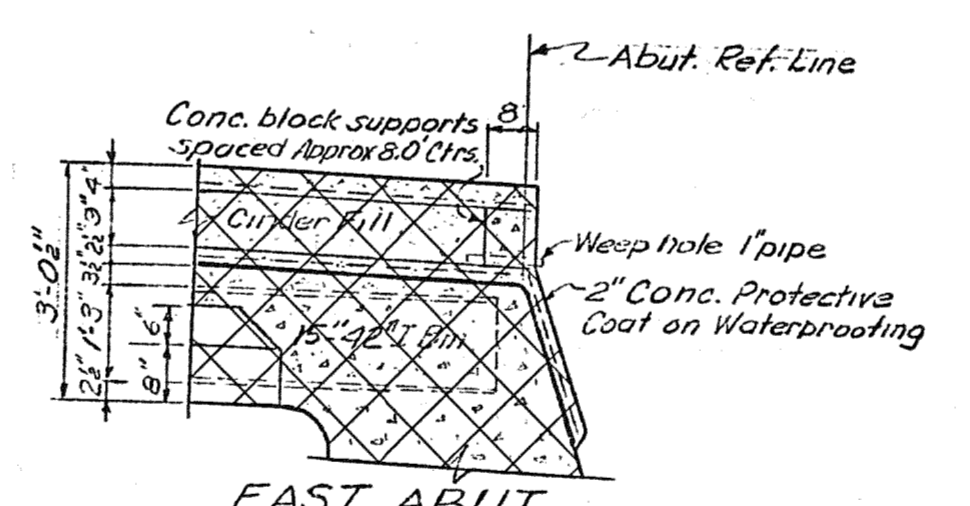


ELEVATION Scale: 1/32" = 1'-0"



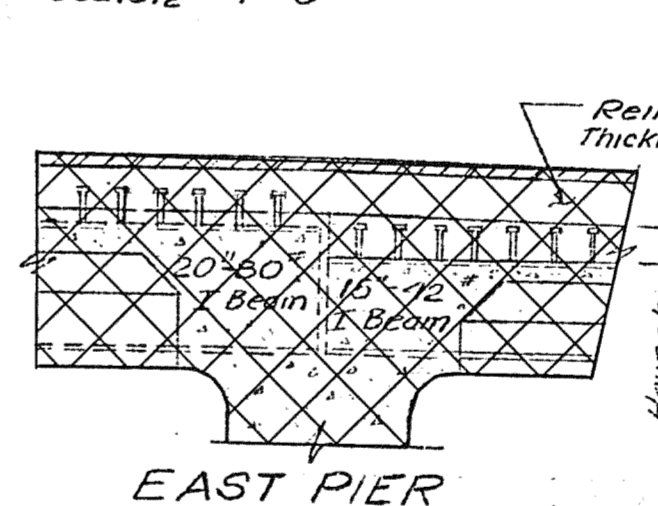
EAST PIER

SECTION CC - EXISTING Scale: 1/2" = 1'-0"



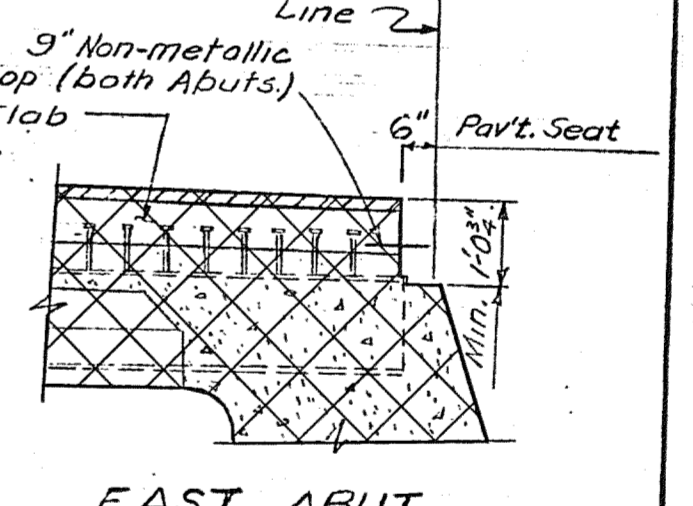
EAST ABUT.

EAST PIER



EAST PIER

SECTION C-C - PROPOSED Scale: 1/2" = 1'-0"



EAST ABUT.

SECTION D-D - PROPOSED Scale: 1/2" = 1'-0"

DESIGNED BY	Locher	APPROVED	<i>C. C. Calder</i>
DRAWN BY	Locher	STRUCTURAL ENGINEER	
TRACED BY	<i>Joseph Brandner</i>	ASSOCIATE CITY ENGINEER	
CHECKED BY	Stuenkel	CITY ENGINEER	

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
HIGHWAY & EXPRESSWAY DIVISION
BRIDGE WIDENING

JEFFERSON AVE. BRIDGE X068
G.T.W.R.
GENERAL PLAN OF STRUCTURE

SHEET	2 OF 8 SHEETS
JOB No.	PW 5752
DRWG No.	C-102
DATE	OCT 1965

JOB NO. 79717A

JOB NO. 49717A
 NOTE:
 THE ENTIRE EXISTING STRUCTURE SHALL BE REMOVED. PAID FOR AS "Structure, Rem". (S01 OF 82-22-02)



PARSONS BRINCKERHOFF, INC.
535 Griswold Street
Buhl Building, Suite 1525
Detroit, MI 48226
313-963-5760

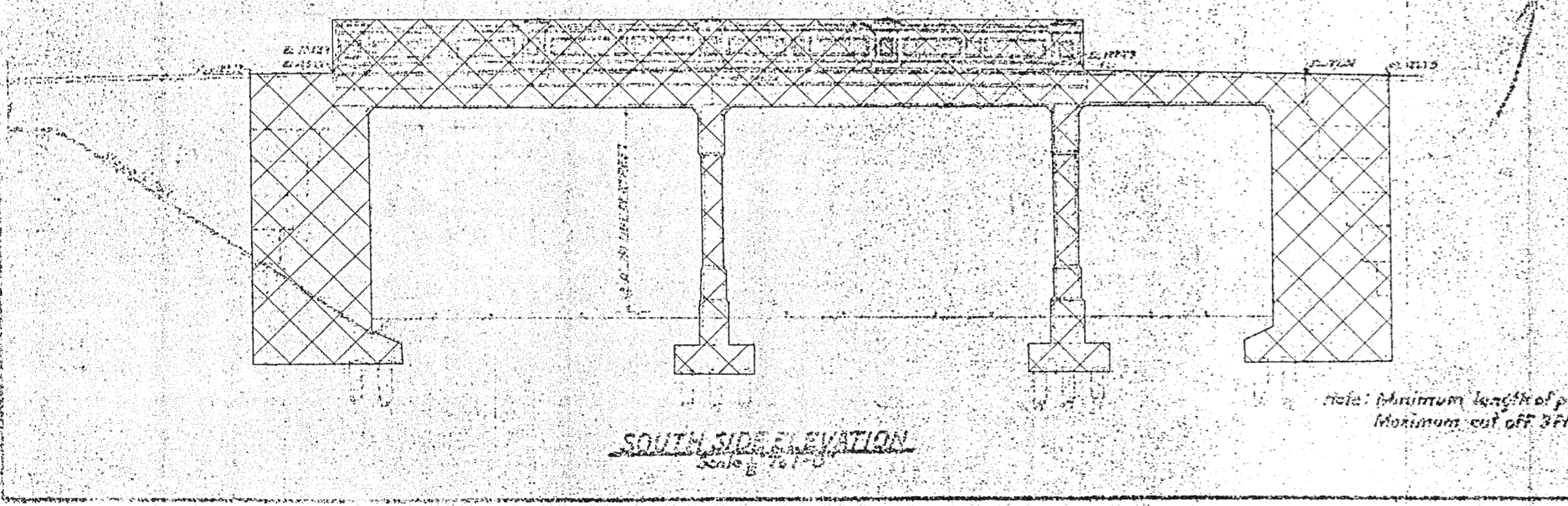
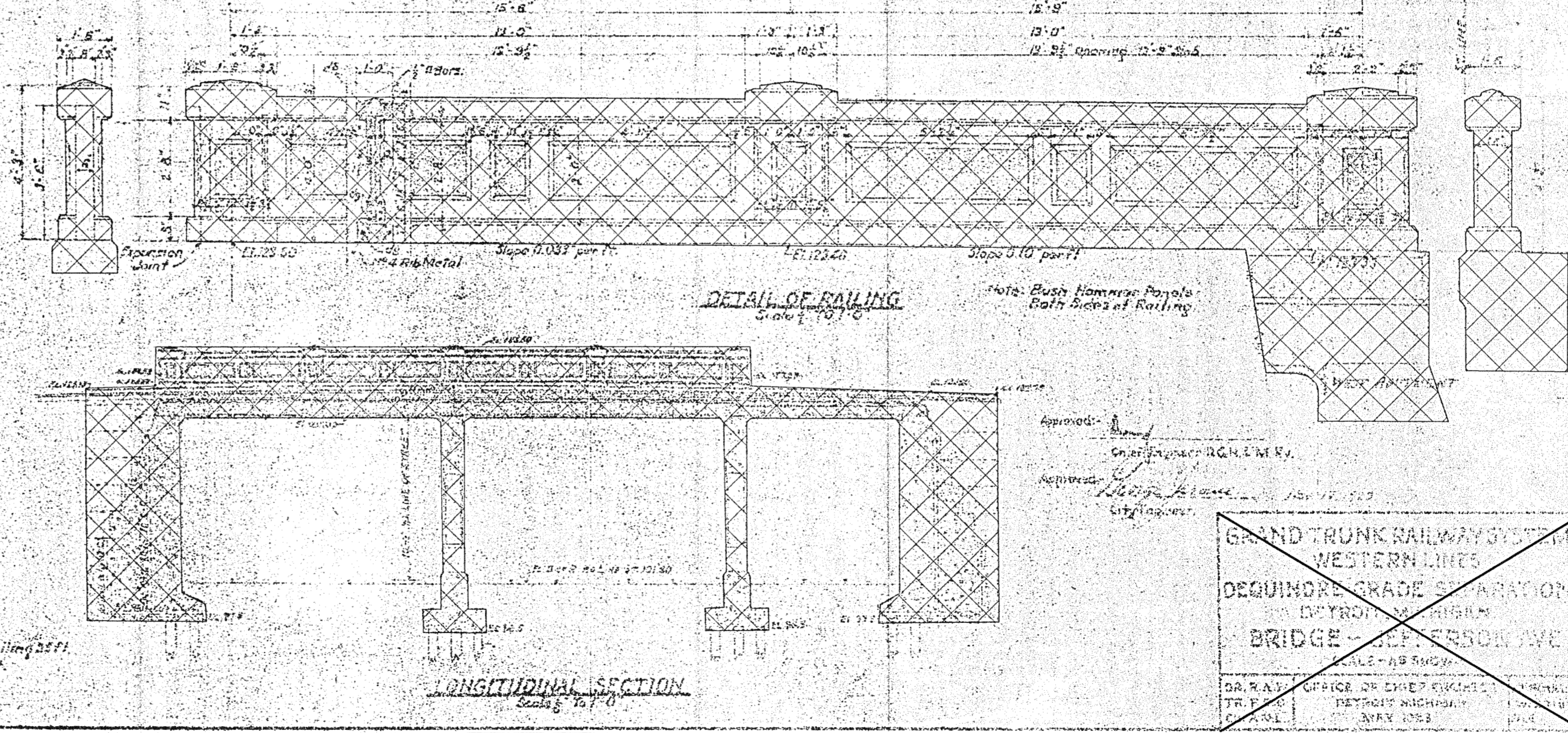
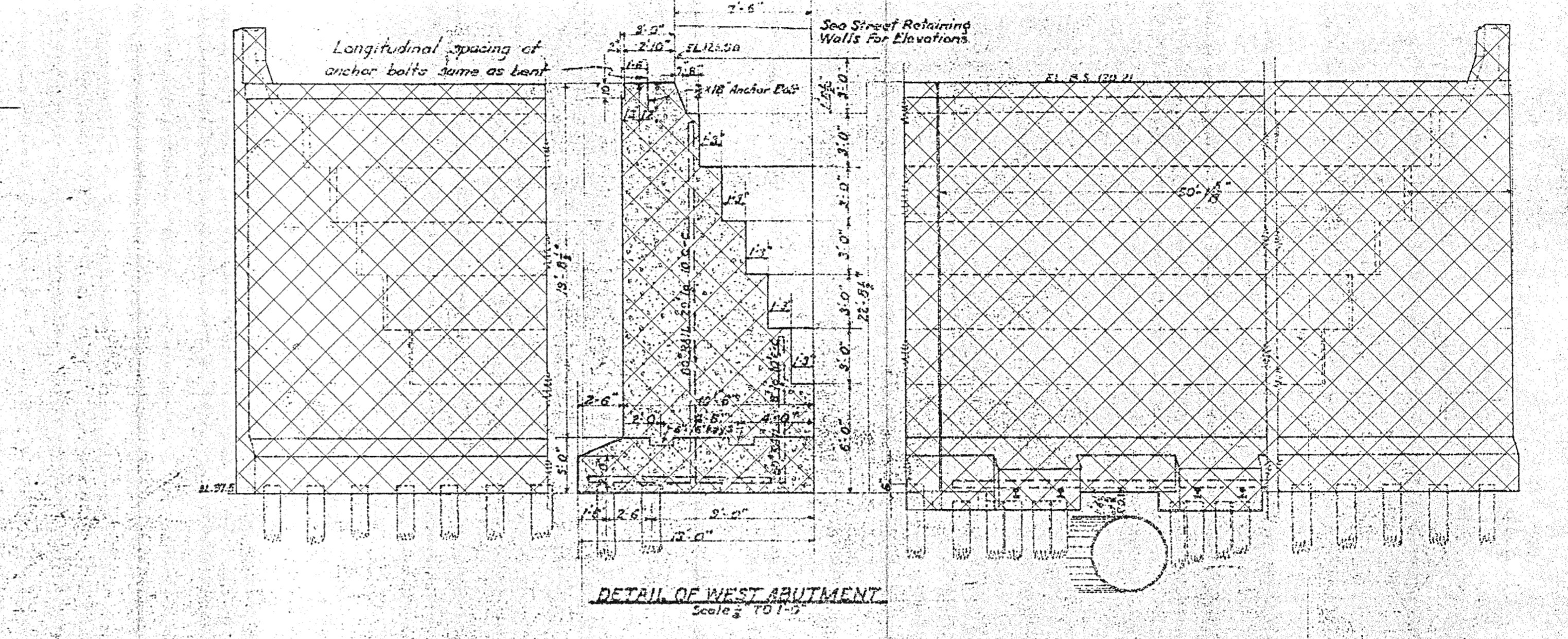
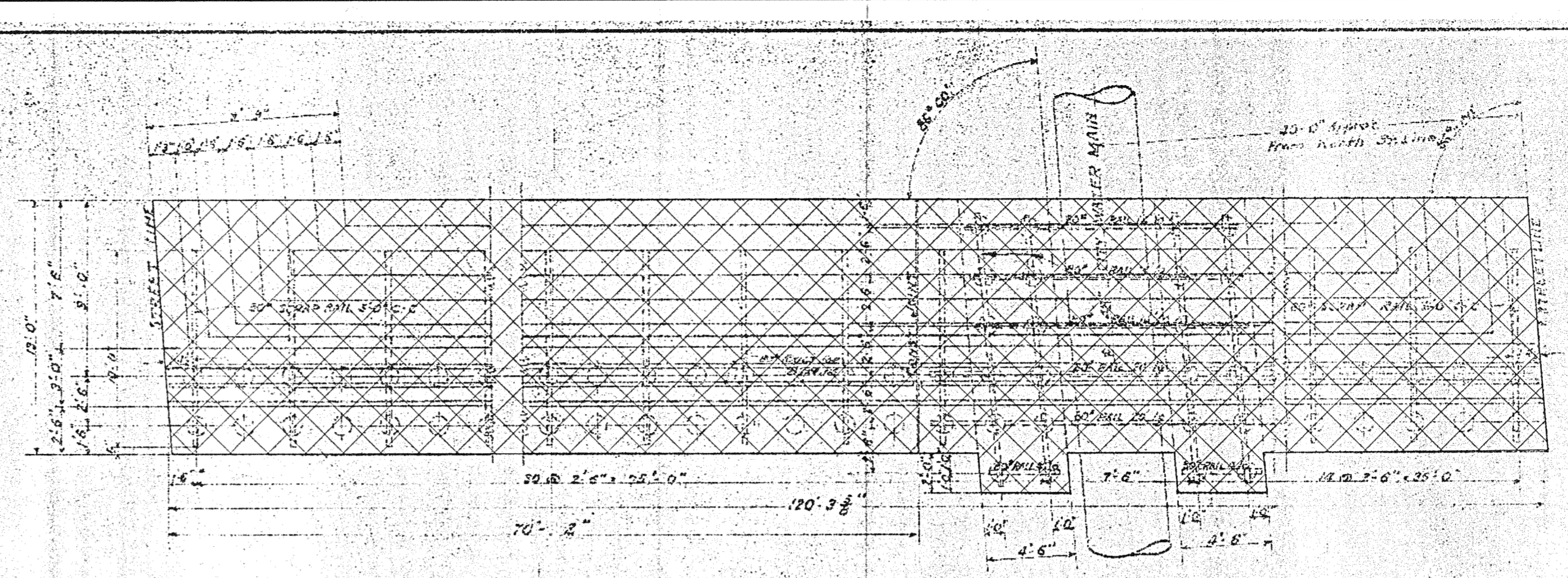
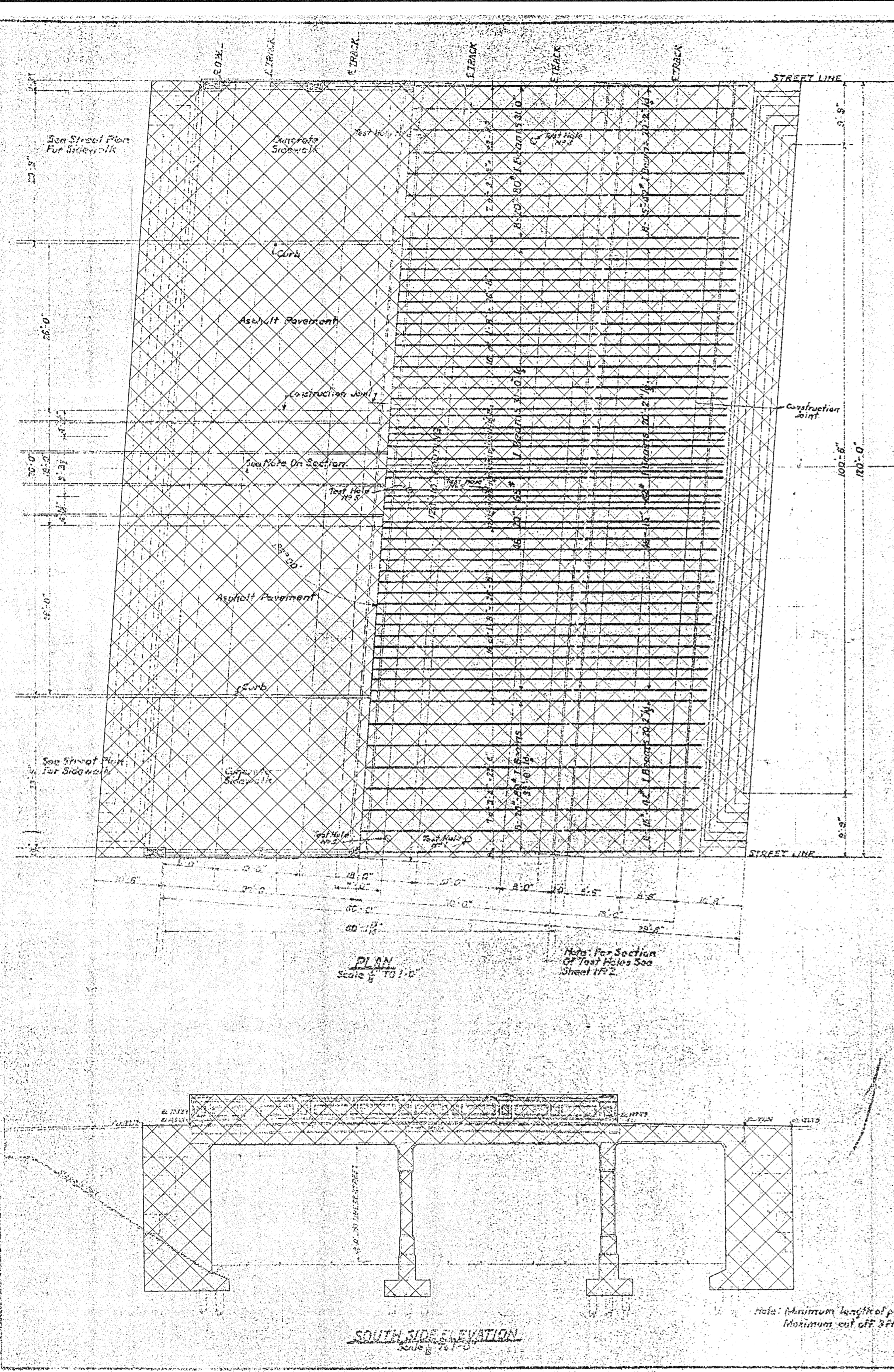
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

EXISTING GENERAL PLAN OF STRUCTURE (REMOVAL)				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	53 OF 80

2-31-32 PM
2-10-2005
CHECKED BY: RJO DATE: 2-10-2005
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FILE NAME: G:\35458d\Struct\CADD\Jeff_sir02.dgn

REVISIONS			
NO.	DESCRIPTION	DATE	BY

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~~GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
BY TRON MERRILL
BRIDGE - JEFFERSON AVE~~

SCALE - AS SHOWN
CITY ENGINEERING DIVISION
DETROIT, MICHIGAN

JOB NO. 49717A

DENOTES WORK IN THIS PROJECT
 DENOTES REMOVAL PORTIONS



PB PARSONS BRINCKERHOFF, INC.
535 Griswold Street
Detroit, MI 48226
313-463-6700

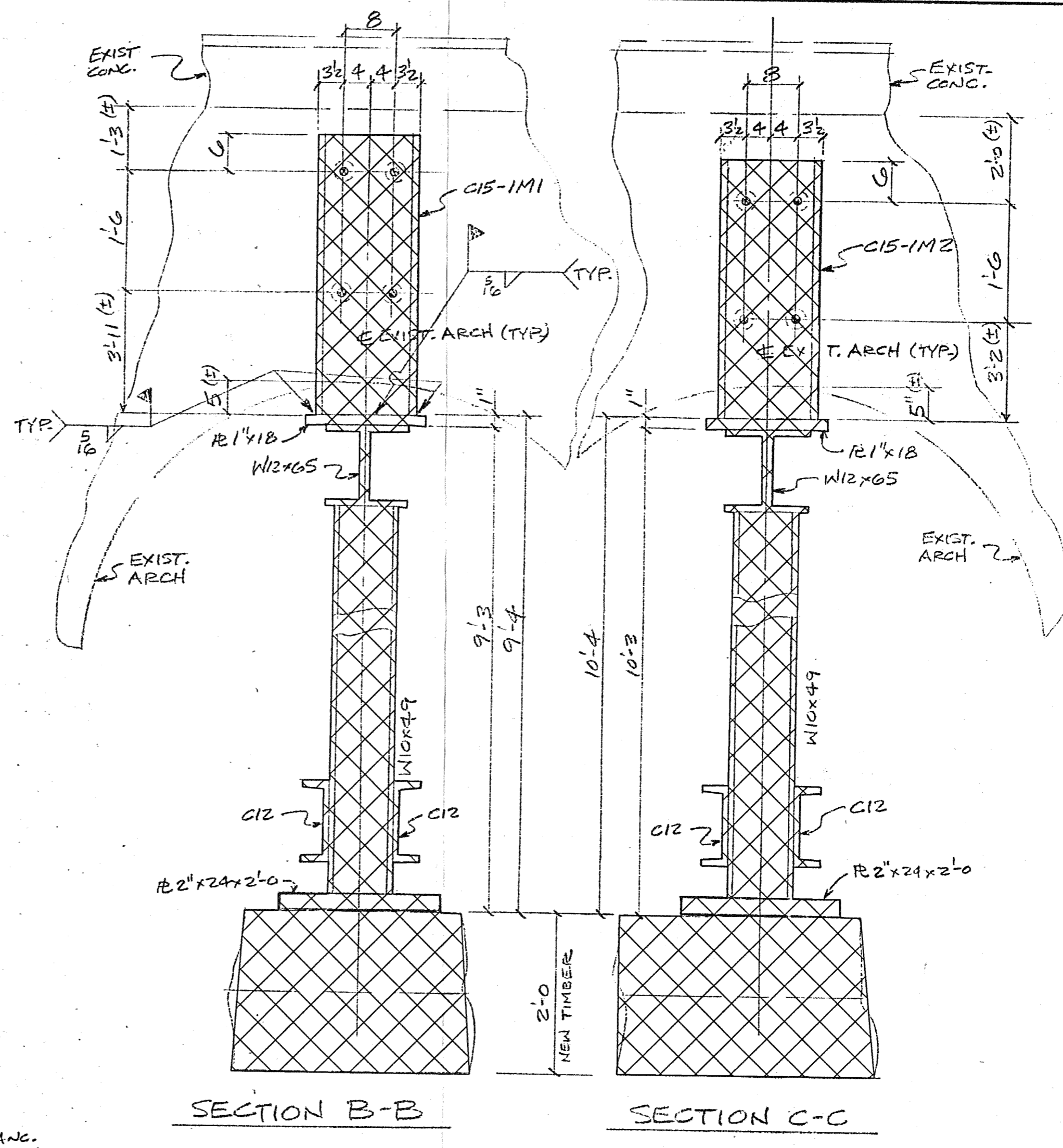
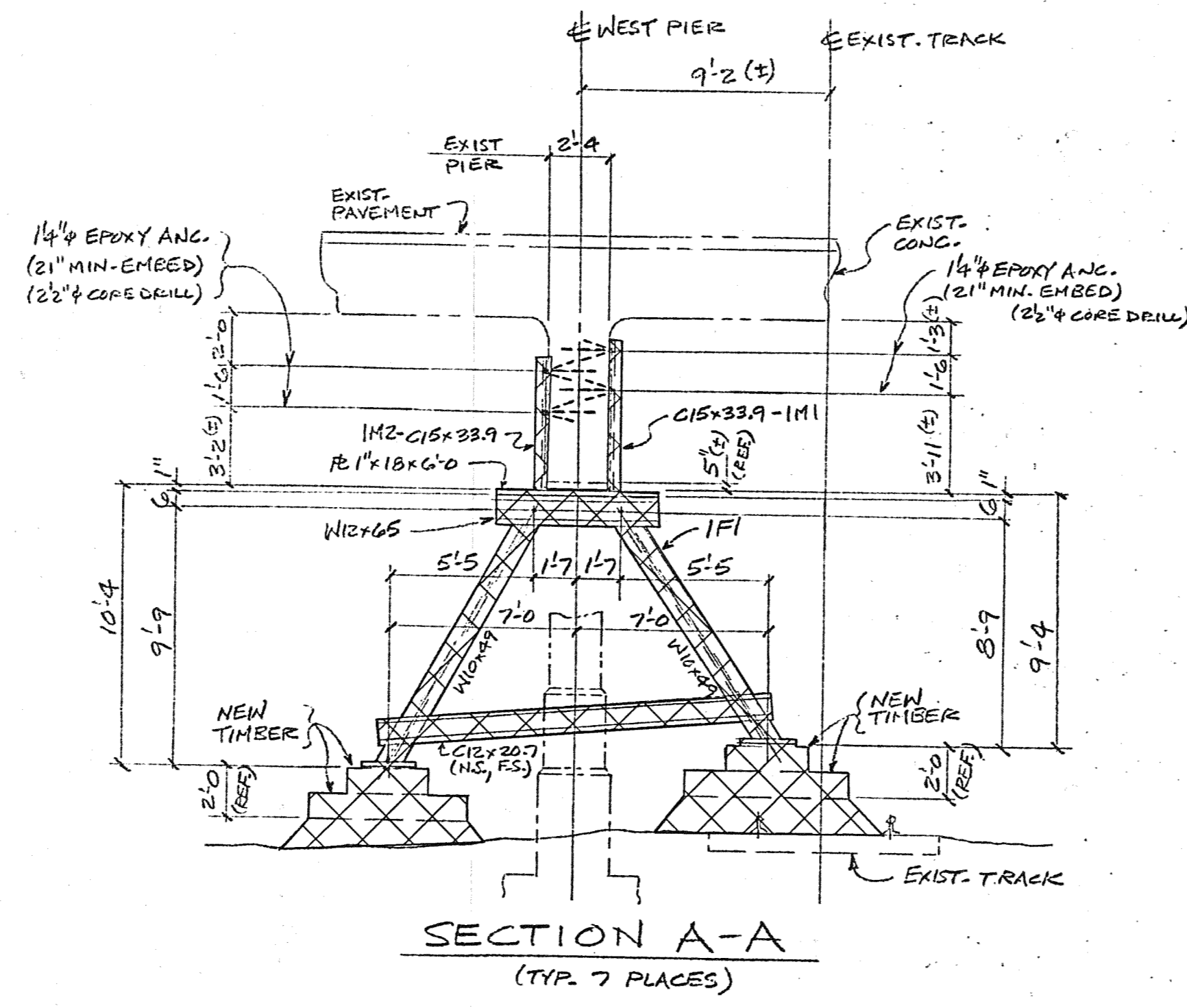
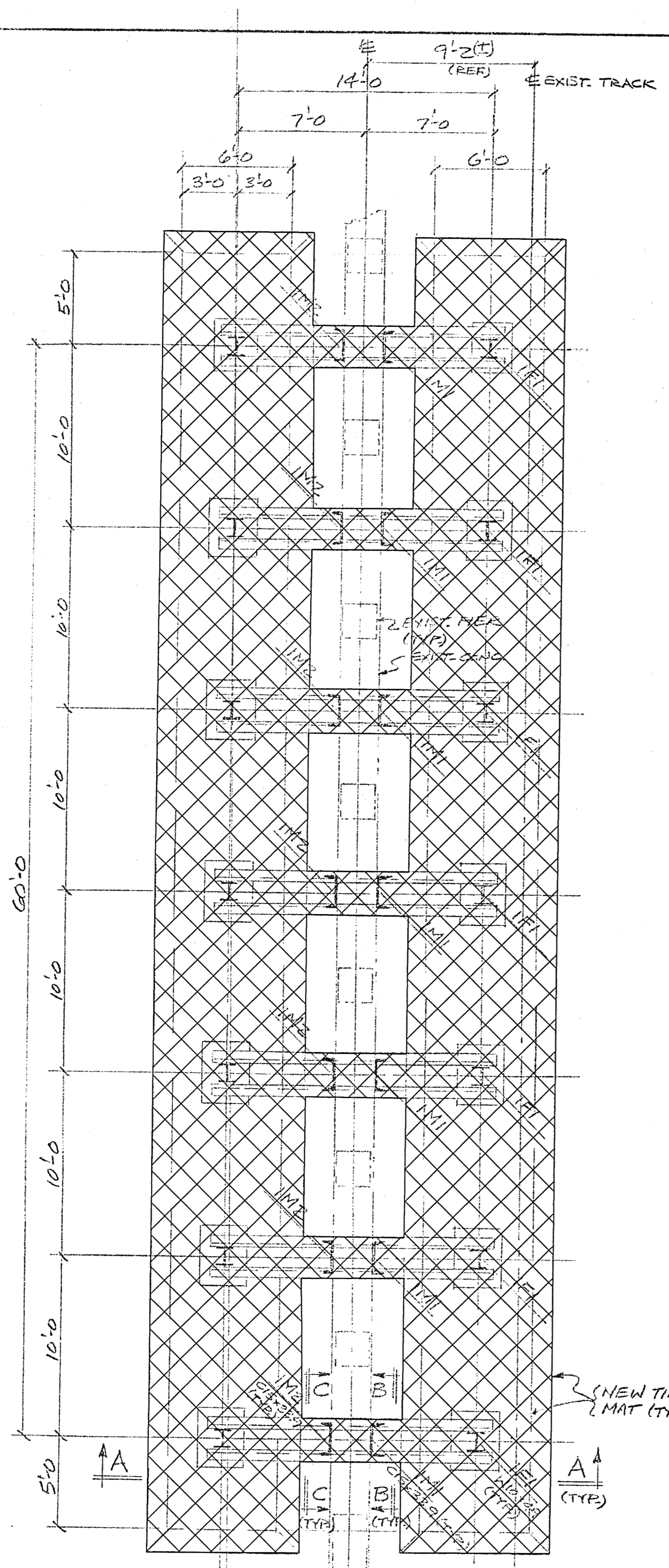
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

EXISTING GENERAL PLAN OF STRUCTURE (REMOVAL)				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	SO1 OF 82-22-02	BRT 82022	49717A	54 OF 80

FILE NAME: g:\35456d\Struct\CADD\Jeff_sir03.dgn DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 4:49:16 PM

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REVISIONS			
NO.	DESCRIPTION	DATE	BY



REVISION	DATE	BY	REMARKS
1			
2			
3			
4			
5			

DELTA IRON WORKS
1801 MELDRUM AVE
DETROIT MICH. 48207
313-579-1445

CUSTOMER: CITY OF DETROIT
ARCHITECT: TUCKER, YOUNG & ASSOCIATES, TULL INC.
JOB: JEFFERSON AVE BRIDGE OVER GTWRR
DETAILS OF: PLANS & SECTIONS

SCALE: DRAWN BY: SLS DATE: 8/23/99 CHECKED BY: SLS DATE: 8/24/99 CONTRACT NO. 49-022 SHEET E1 OF

JOB NO. 49717A

NOTE:
REMOVAL OF THE EXISTING TEMPORARY SUPPORT SHALL BE CONSISTENT WITH CONSTRUCTION STAGING.

JOB NO. 49717A

□ DENOTES WORK IN THIS PROJECT
▨ DENOTES REMOVAL PORTIONS



PB PARSONS BRINCKERHOFF, INC.
535 Griswold Street
Buhl Building, Suite 1825
Detroit, MI 48226
313-963-5700

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

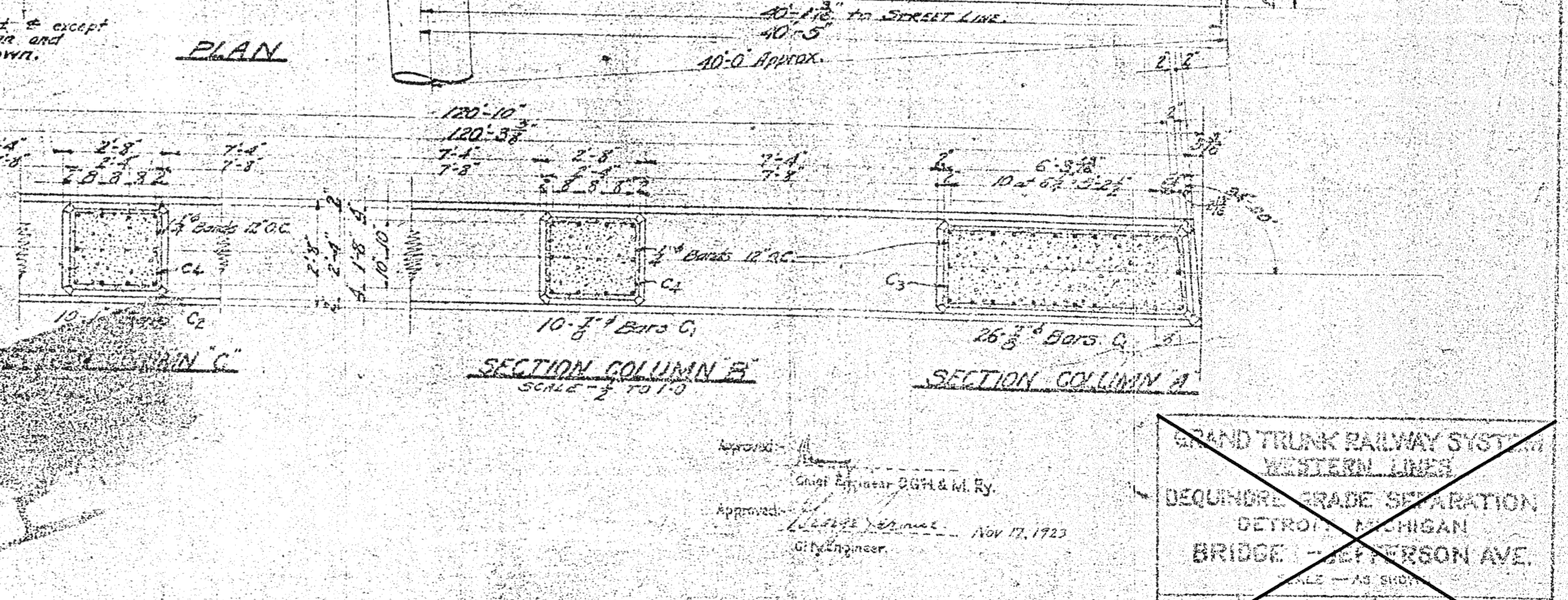
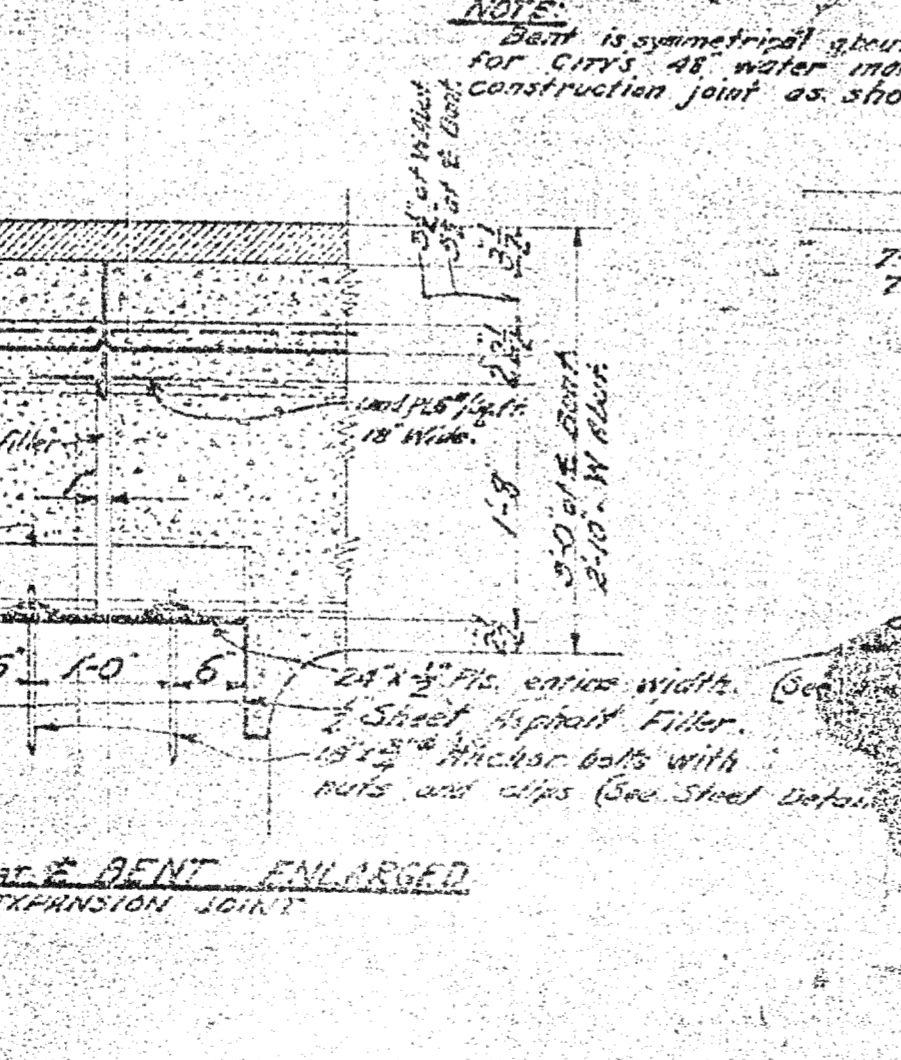
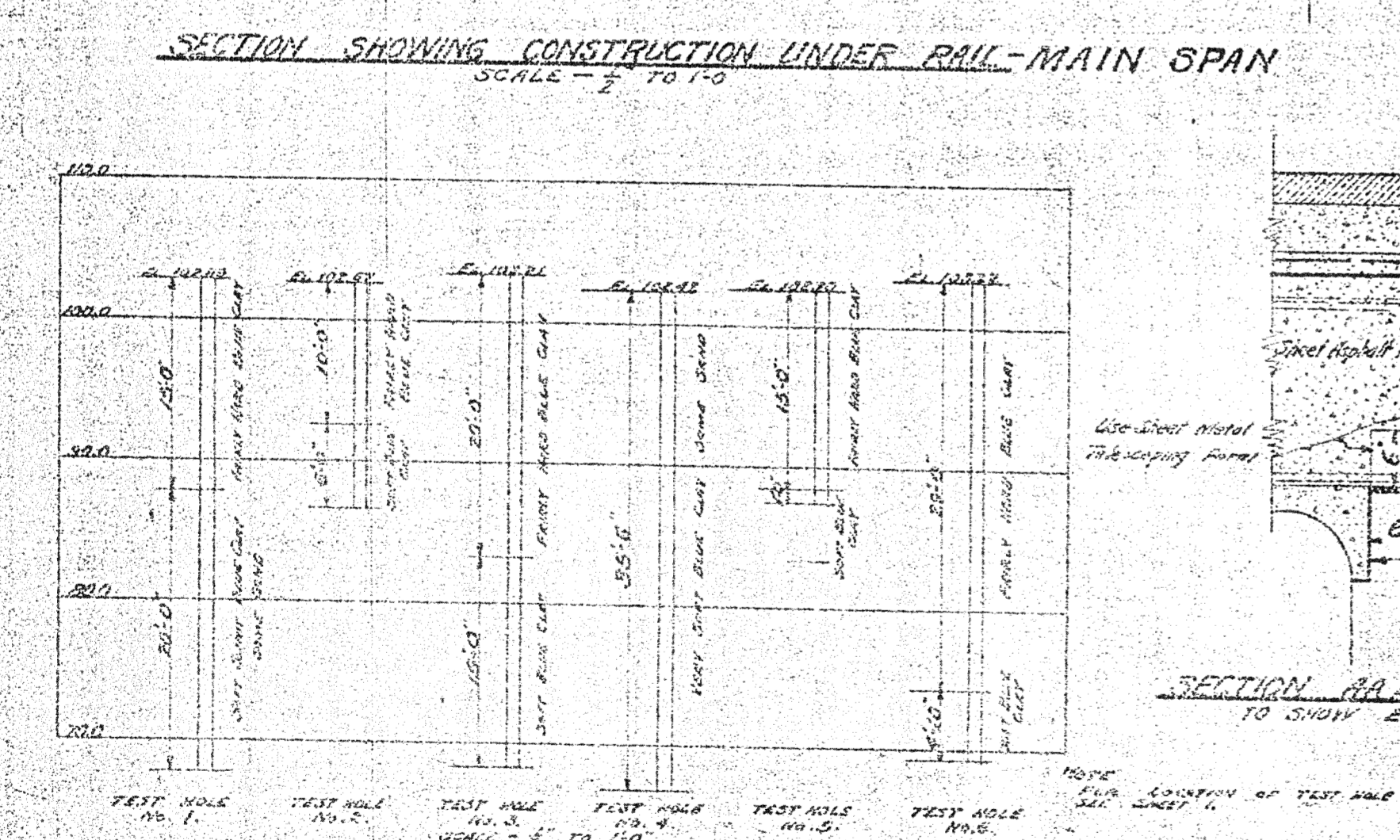
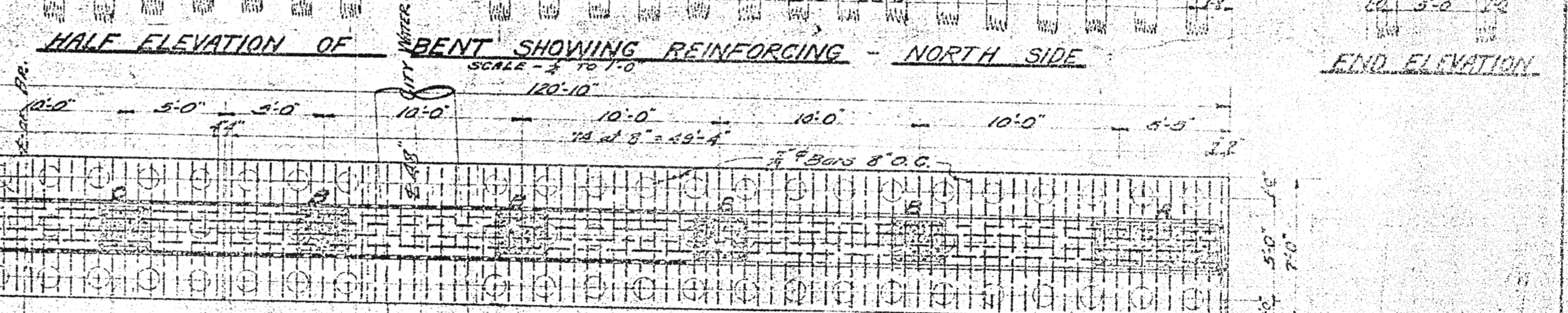
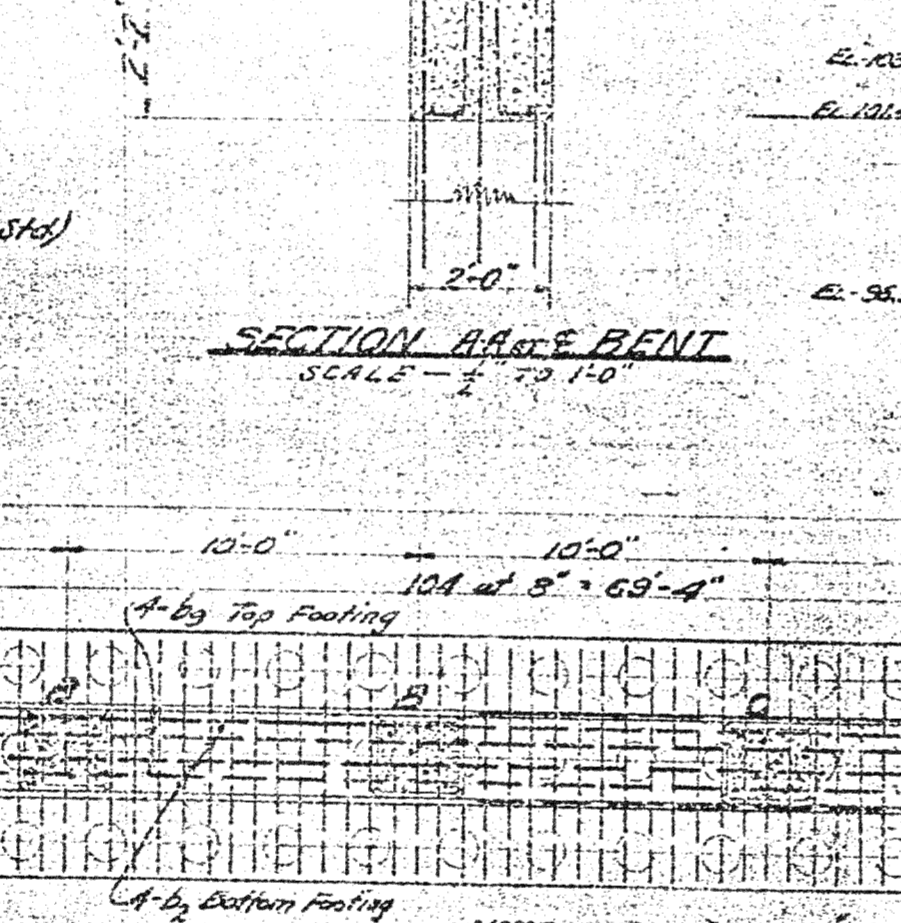
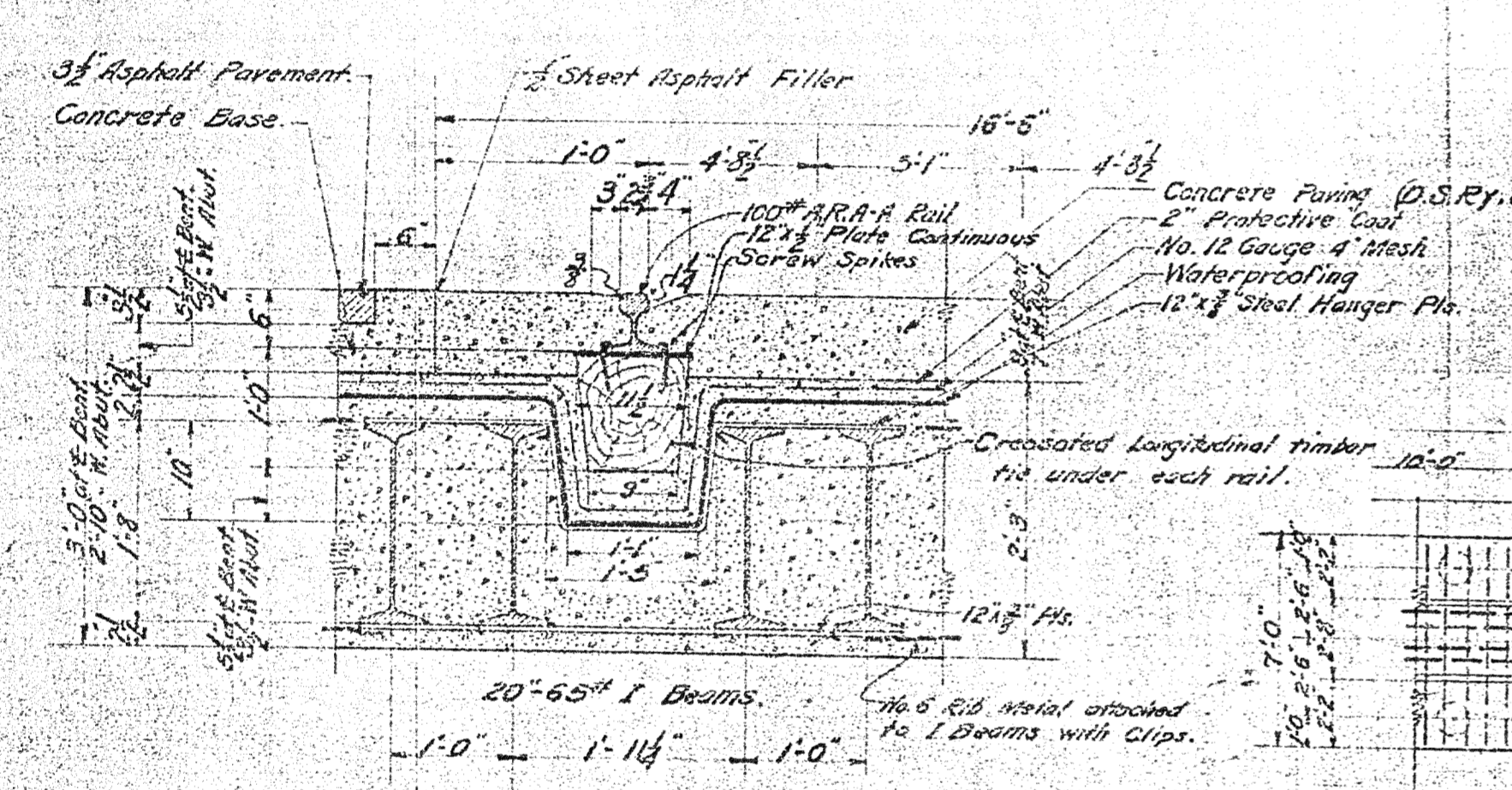
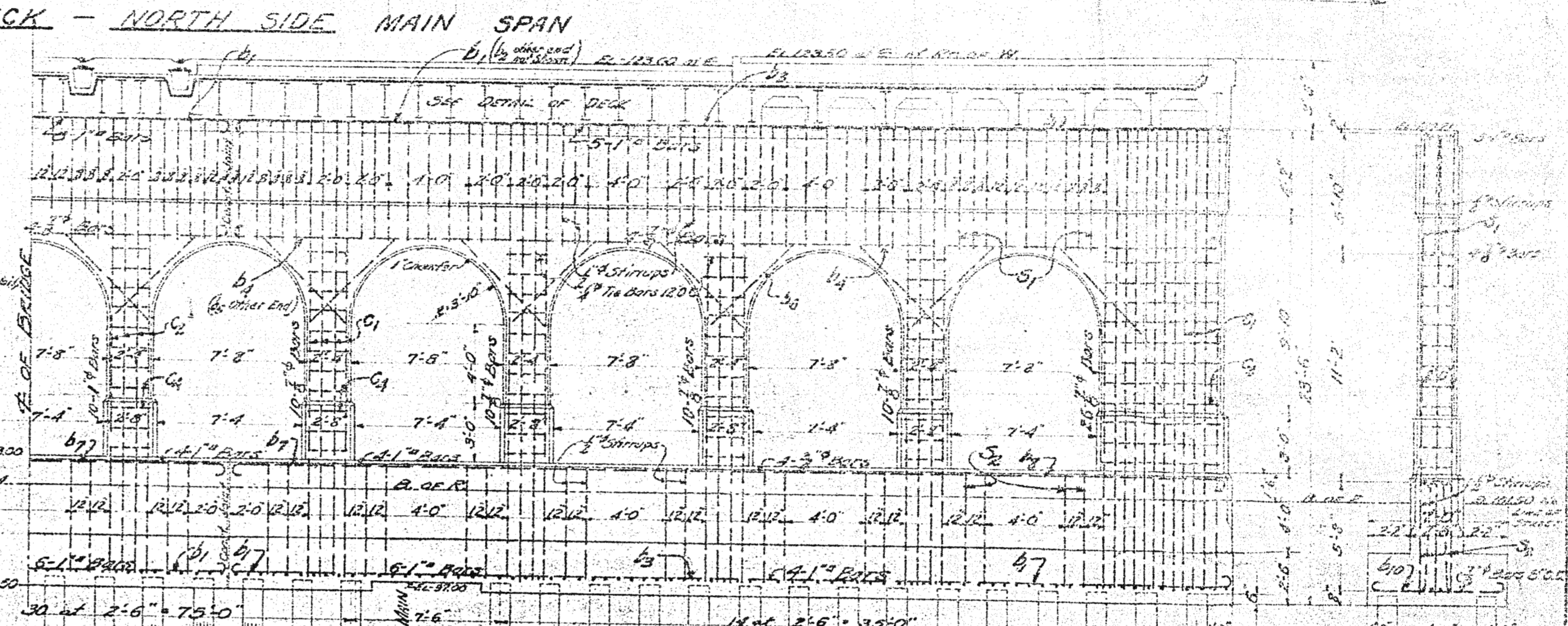
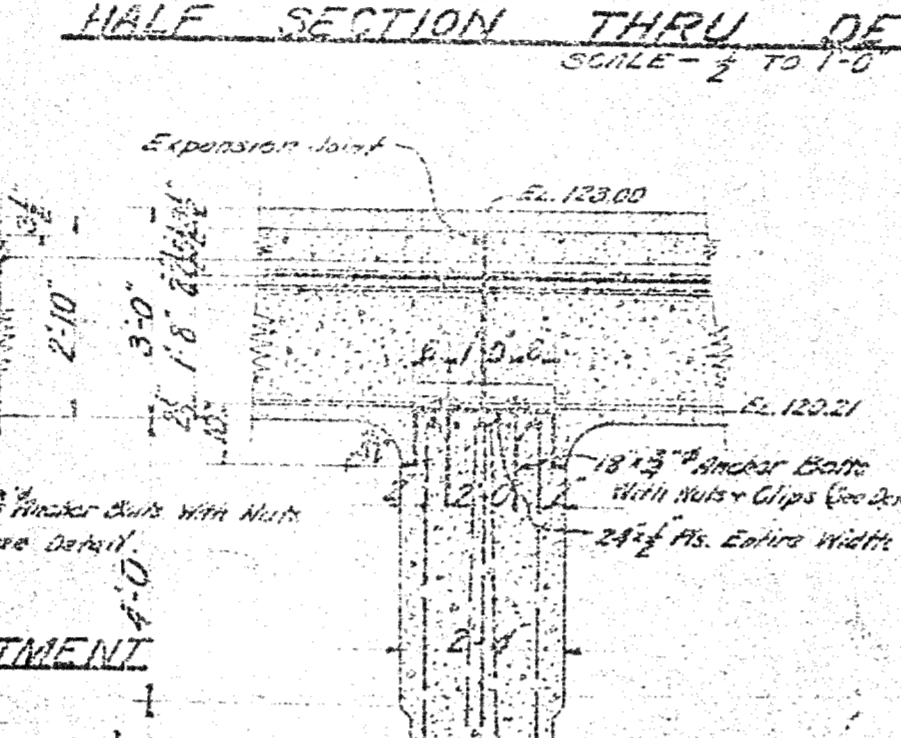
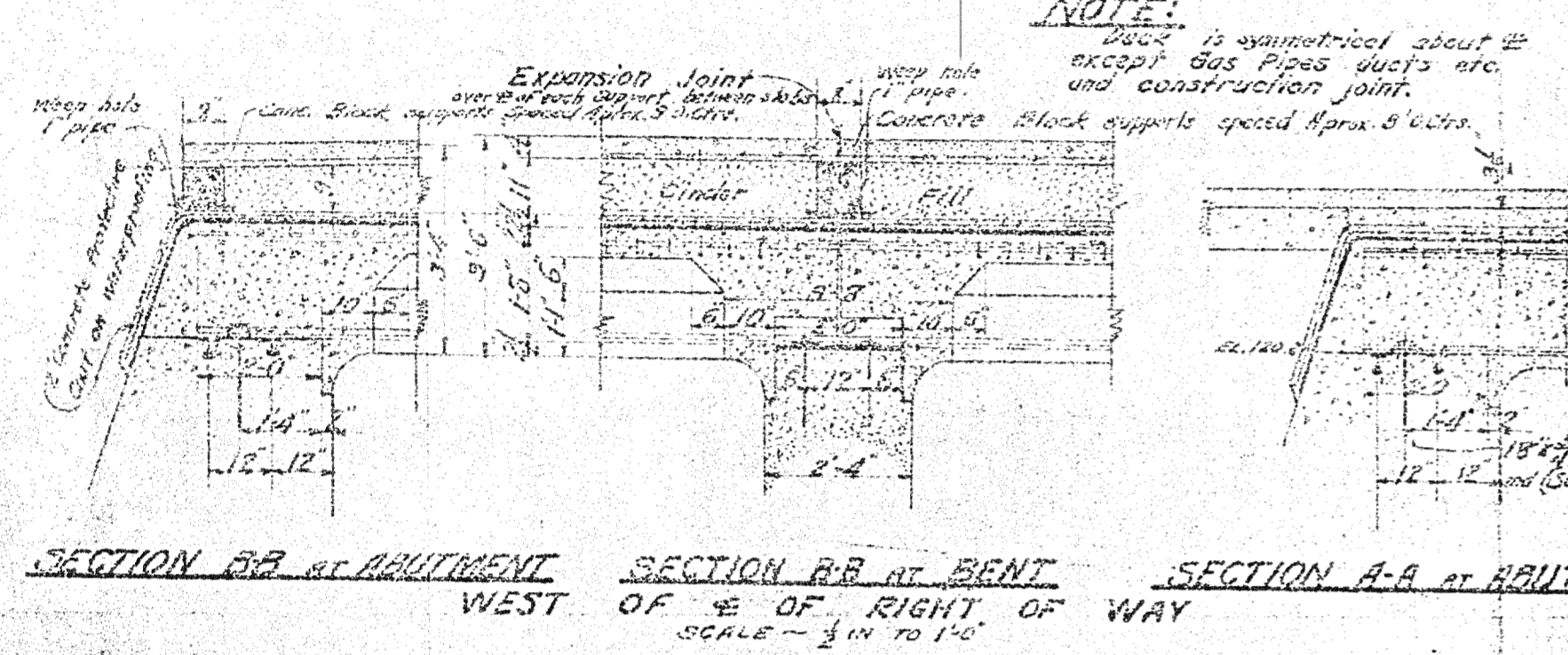
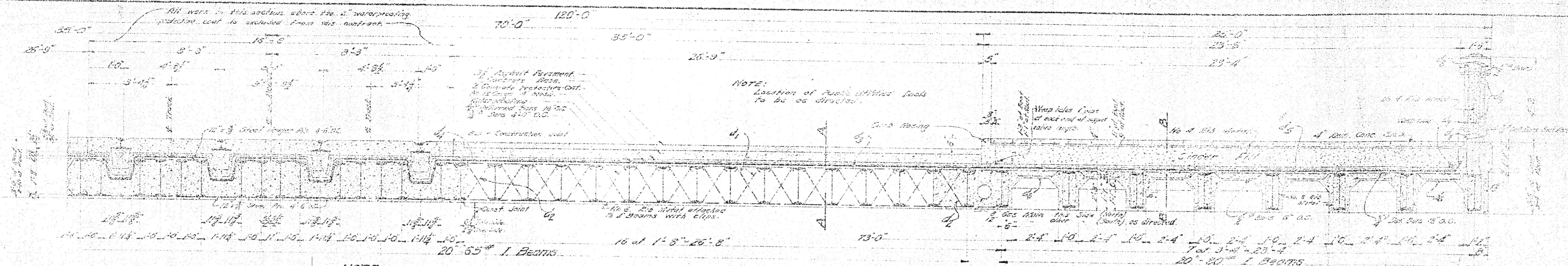
EXISTING STRUCTURE SUPPORT (REMOVAL) JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	55 OF 80

FILE NAME: G:\35458A\Struct\CADD\Jeff_sir05.dgn DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 2:29:51 PM

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

FILE NAME: G:\35458d\Struct\CADD\Jeff_sr04.dgn DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 2:26:15 PM



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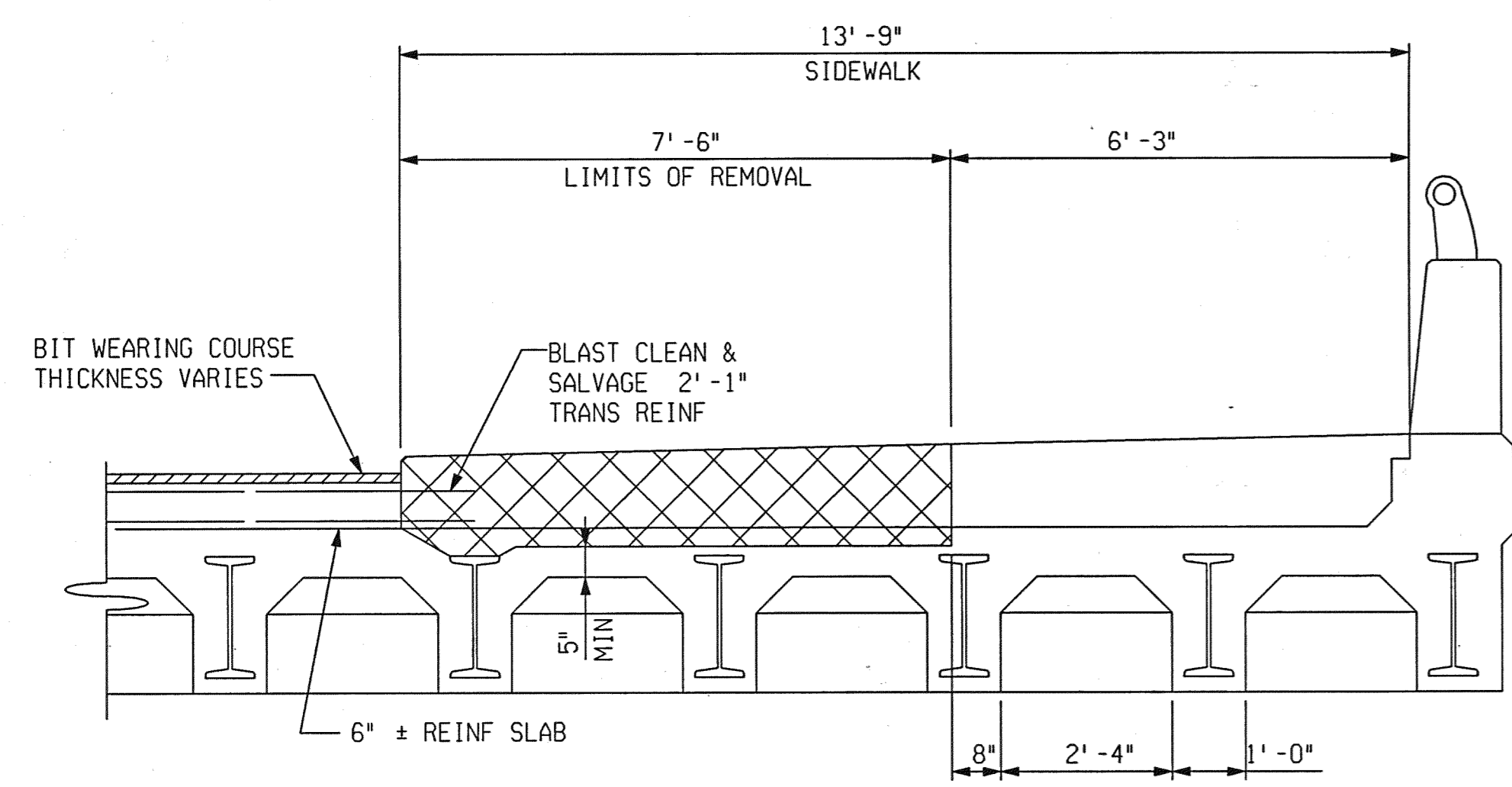
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERING DIVISION

EXISTING STRUCTURAL DETAILS JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	56 OF 80

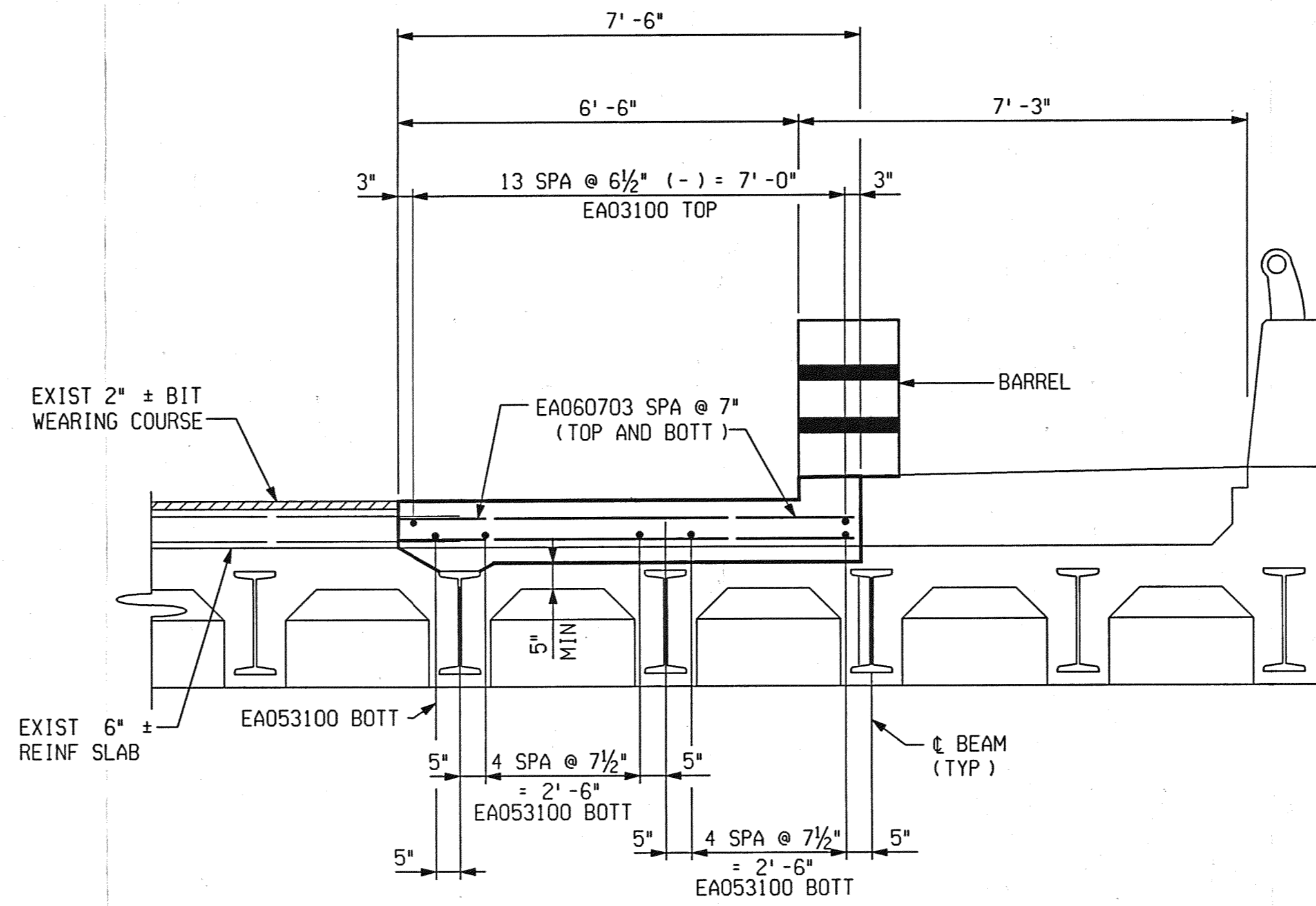
GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
DETROIT, MICHIGAN
BRIDGE - JEFFERSON AVE.
SCALE - AS SHOWN
APPROVED: [Signature] Nov 17, 1923
CITY ENGINEER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

REVISIONS			
NO.	DESCRIPTION	DATE	BY

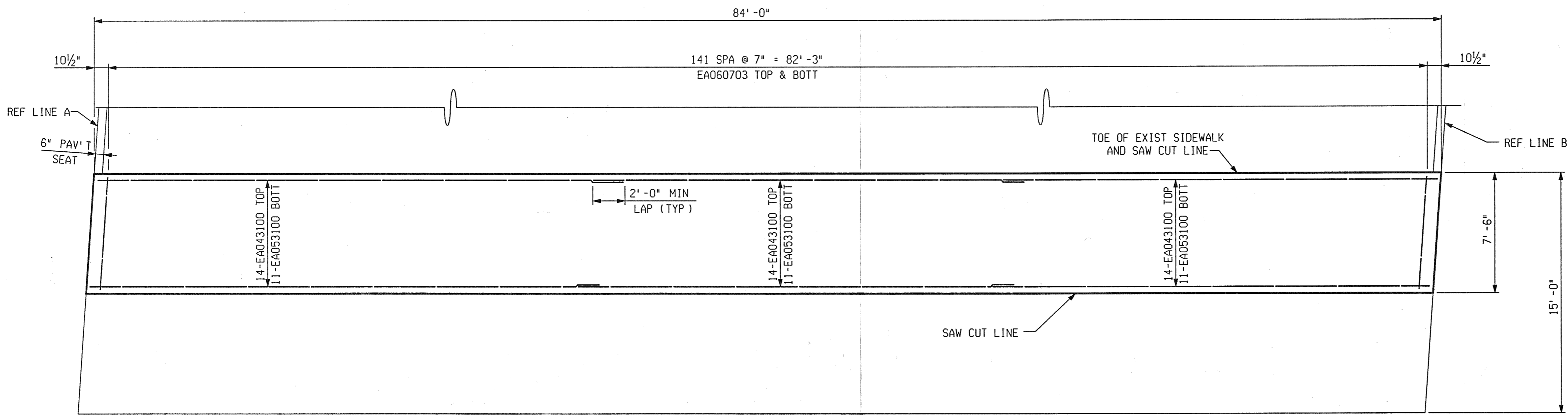


STAGE II REMOVAL
(SECTION THRU EXIST EAST SIDEWALK)



STAGE II CONSTRUCTION
(SHOWING TEMPORARY DECK WIDENING)

MISCELLANEOUS QUANTITIES		
12	Cyd	Superstructure Conc



PLAN OF TEMPORARY DECK REPLACEMENT



PB PARSONS BRINCKERHOFF, INC.
535 Griswold Street
Buhl Building, Suite 1525
Detroit, MI 48226
313-963-5760

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

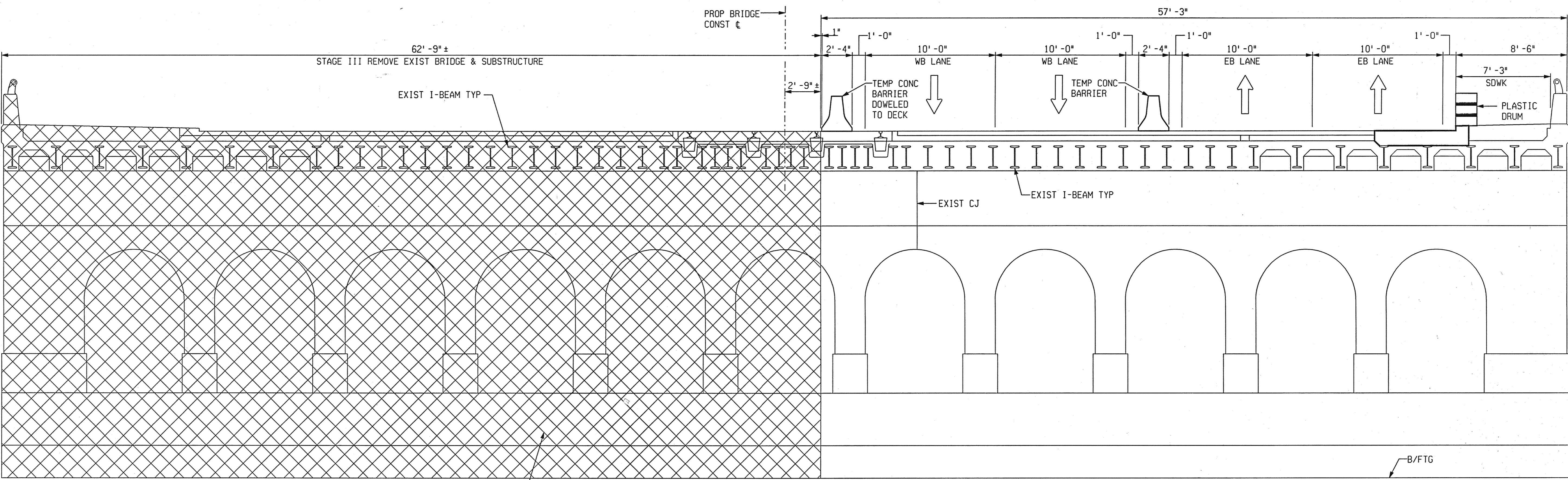
CONSTRUCTION STAGING
JEFFERSON AVE OVER DEQUINDRE CUT

DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	57 OF 80

FILE NAME: G:\35456d\Struct\CADD\jeff_sc03.dgn DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 2:24:38 PM

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

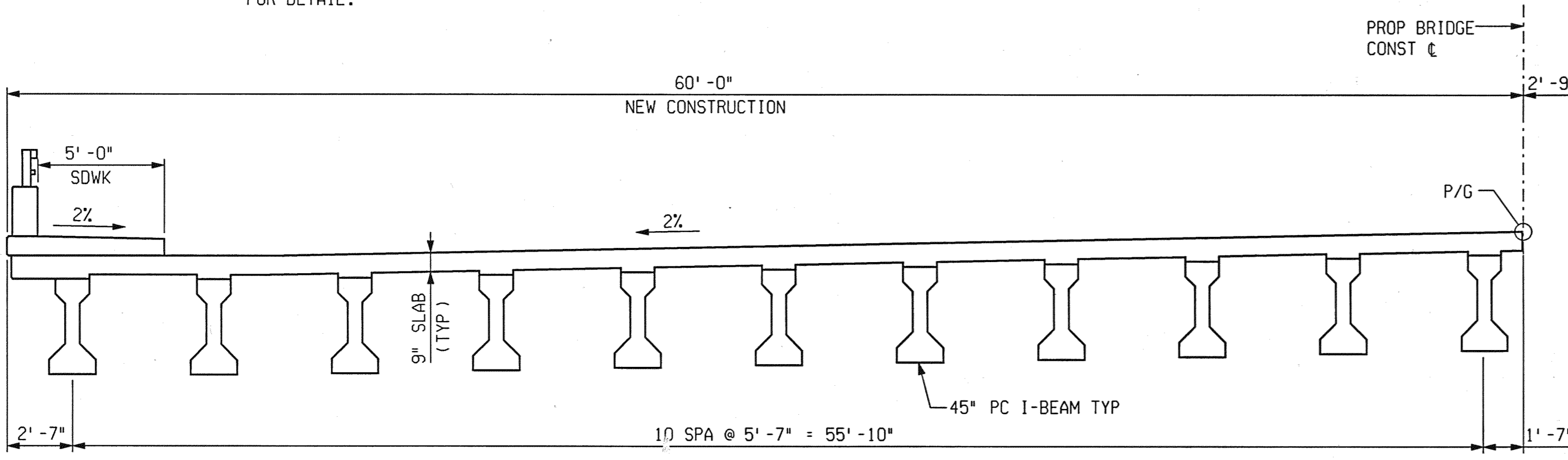


NOTE:
EXISTING BRACING/SHORING TO BE REMOVED. SEE NEXT SHEET FOR DETAIL.

2 PIERS
2 ABUTMENTS

PIER SHOWN
ABUTMENT BEHIND

STAGE III REMOVAL
LOOKING UPSTATION



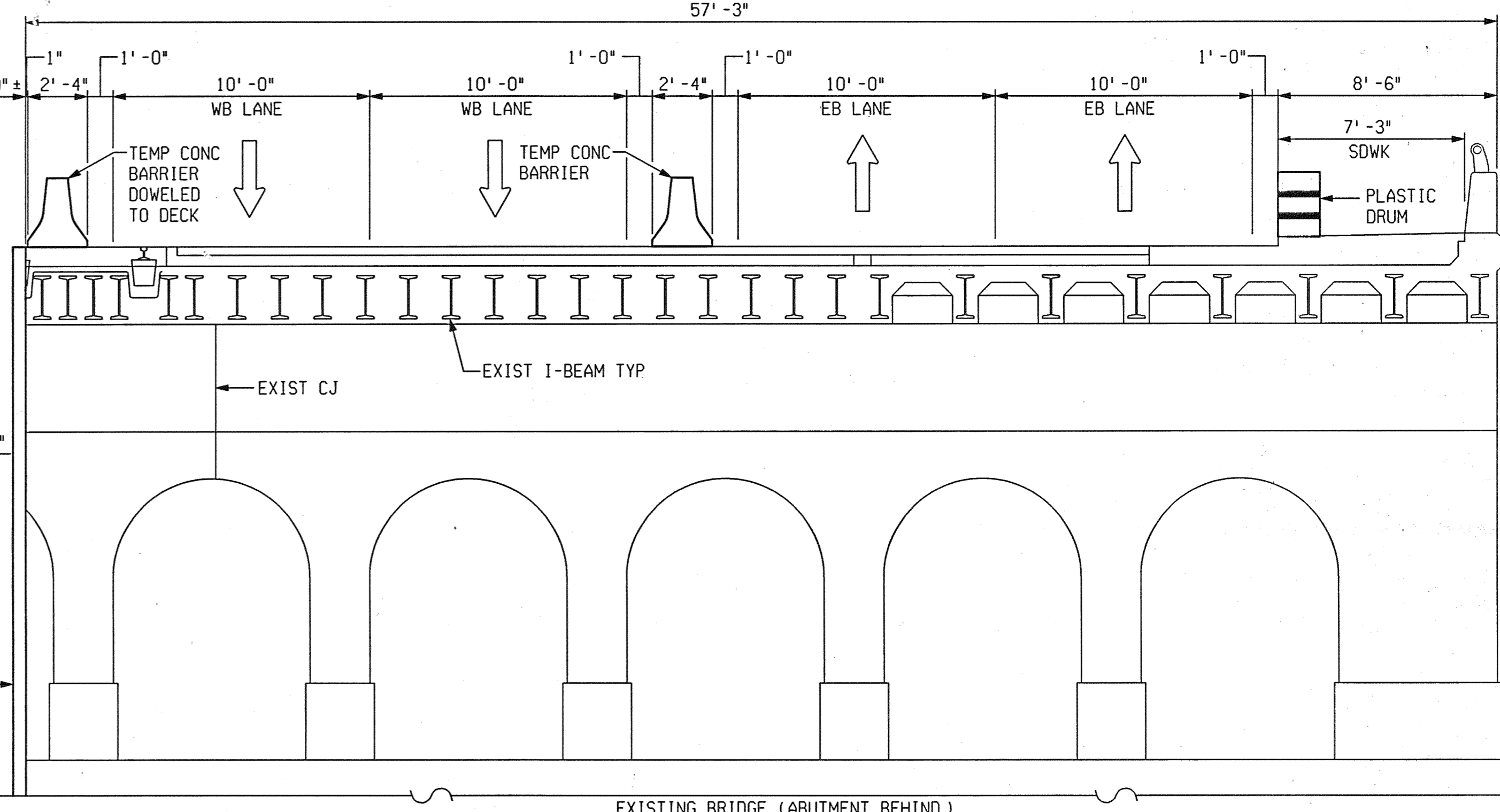
NOTES:
PLACEMENT OF TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH STANDARD PLAN R-126-A
JEFFERSON AVENUE TRAFFIC IS TO BE MAINTAINED OVER THE STRUCTURE BY PART WIDTH CONSTRUCTION

STAGE III:
SET UP TEMPORARY CONCRETE BARRIER ON EB JEFFERSON AVENUE. SHIFT EB TRAFFIC TO EB OUTSIDE LANES. SHIFT WB TRAFFIC INSIDE TO EB LANES. CLOSE WB LANES TO TRAFFIC AT BRIDGE. CLOSE ST. AUBIN AT LARNED ST. AVENUE (SEE DETOUR PLANS). CLOSE NB ORLEANS ST. TO THRU TRAFFIC AT JEFFERSON AVENUE. REMOVE NORTH HALF OF EXISTING BRIDGE. CONSTRUCT NORTH HALF OF BRIDGE. CONSTRUCT REMAINDER OF DUCTS FOR PLD CONDUITS TO MANHOLES ON WESTBOUND SIDE OF ROADWAY. ONLY FIVE FEET OF SIDEWALK SHALL BE CONSTRUCTED DURING THIS STAGE.

STAGE IVA:
PLACE TEMPORARY CONCRETE BARRIER ON COMPLETED NORTH HALF OF BRIDGE. SHIFT WB TRAFFIC OUTER WB LANES. SHIFT EB TRAFFIC TO INSIDE WB LANES. CLOSE EB LANES TO TRAFFIC AT BRIDGE. CLOSE OUTSIDE LANE ON SOUTHBOUND ST. AUBIN. BAG TRAFFIC SIGNALS AT ST. AUBIN AND PROHIBIT LEFT TURNS FROM JEFFERSON AVENUE TO ST. AUBIN. REMOVE AND CONSTRUCT SOUTH HALF OF BRIDGE.

STAGE IVB:
REMOVE TEMPORARY CONCRETE BARRIER AND OPEN BRIDGE TO WB AND EB TRAFFIC. CLOSE OUTERMOST WB LANE. CONSTRUCT REMAINDER OF WB SIDEWALK. COLD MILL AND OVERLAY CENTER LANE

PROPOSED BRIDGE



STEEL SHEET
PILING TEMP
AT ABUTMENTS

EXISTING BRIDGE (ABUTMENT BEHIND)

STAGE III CONSTRUCTION
LOOKING UPSTATION



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313-963-5700

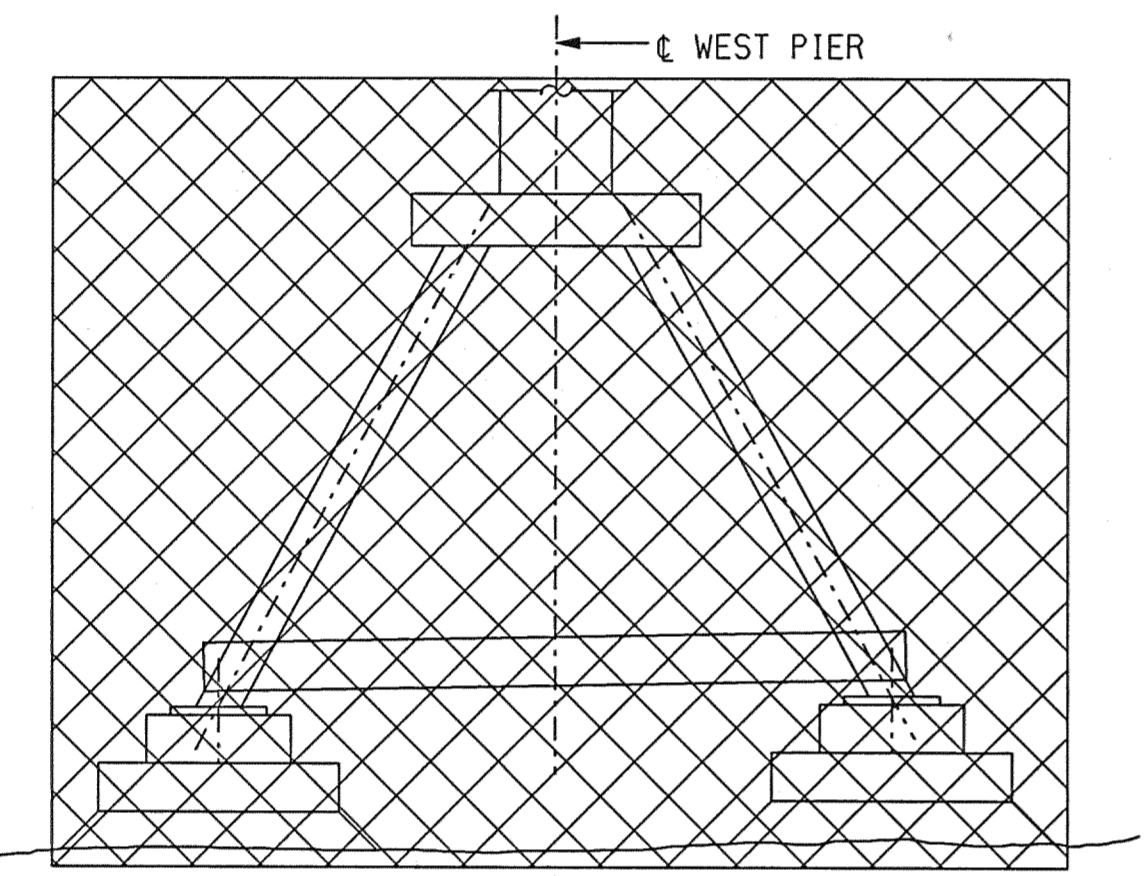
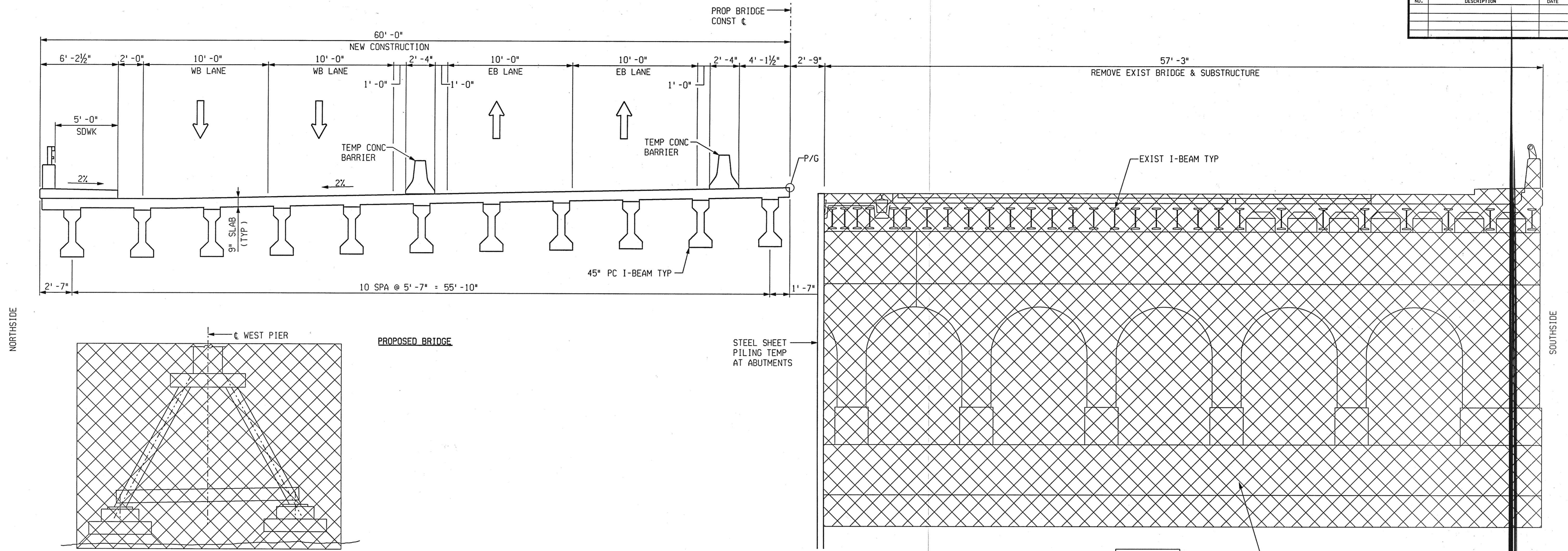
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

CONSTRUCTION STAGING				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	58 OF 80

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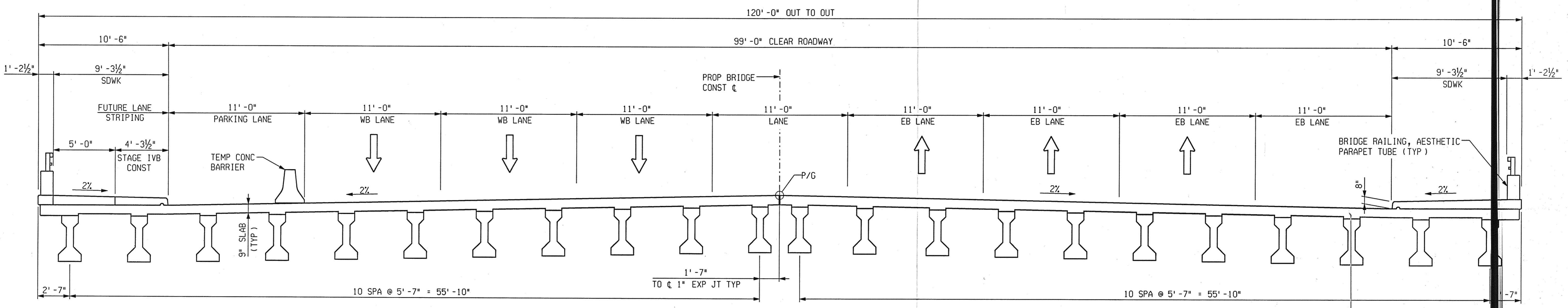
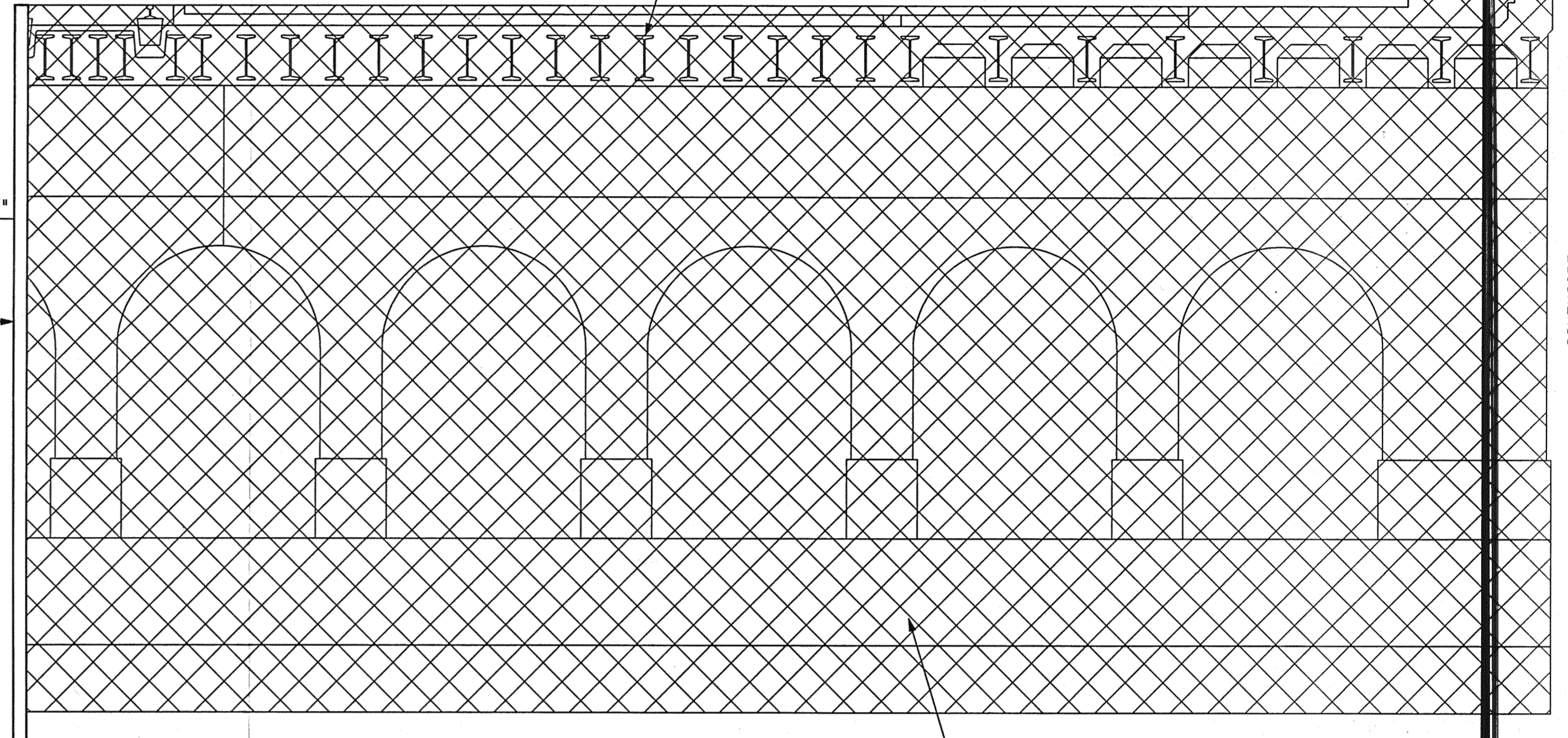
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



EXISTING BRACING/SHORING
 2 TO BE REMOVED IN STAGE III REMOVAL
 5 TO BE REMOVED IN STAGE IVA REMOVAL

STAGE IVA REMOVAL
 LOOKING UPSTATION



STAGE IVA & IVB CONSTRUCTION
 LOOKING UPSTATION



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 313-963-5760

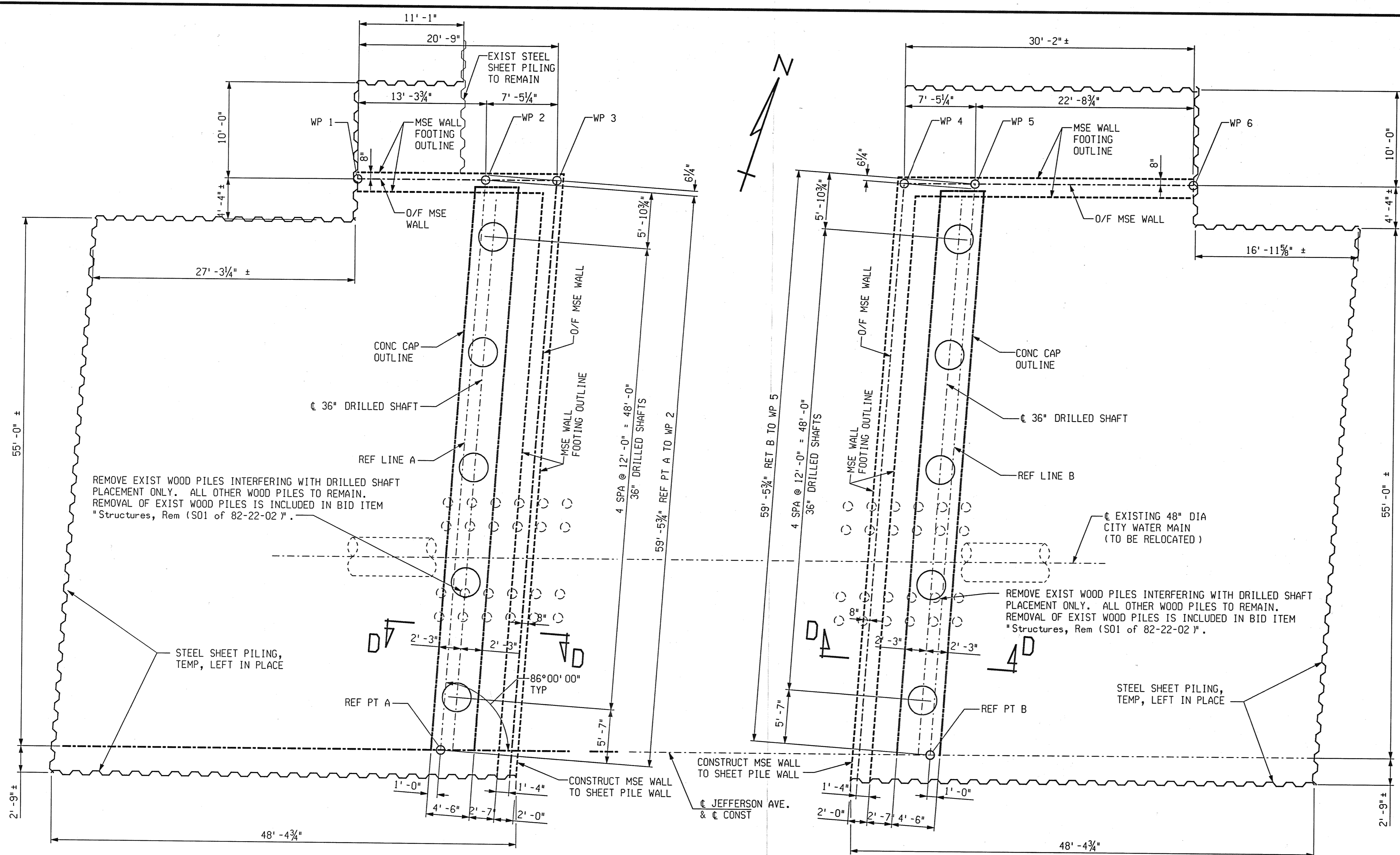
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERING DIVISION

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02-11-05	S01 OF 82-22-02	BRT 82022	497	59 OF 80

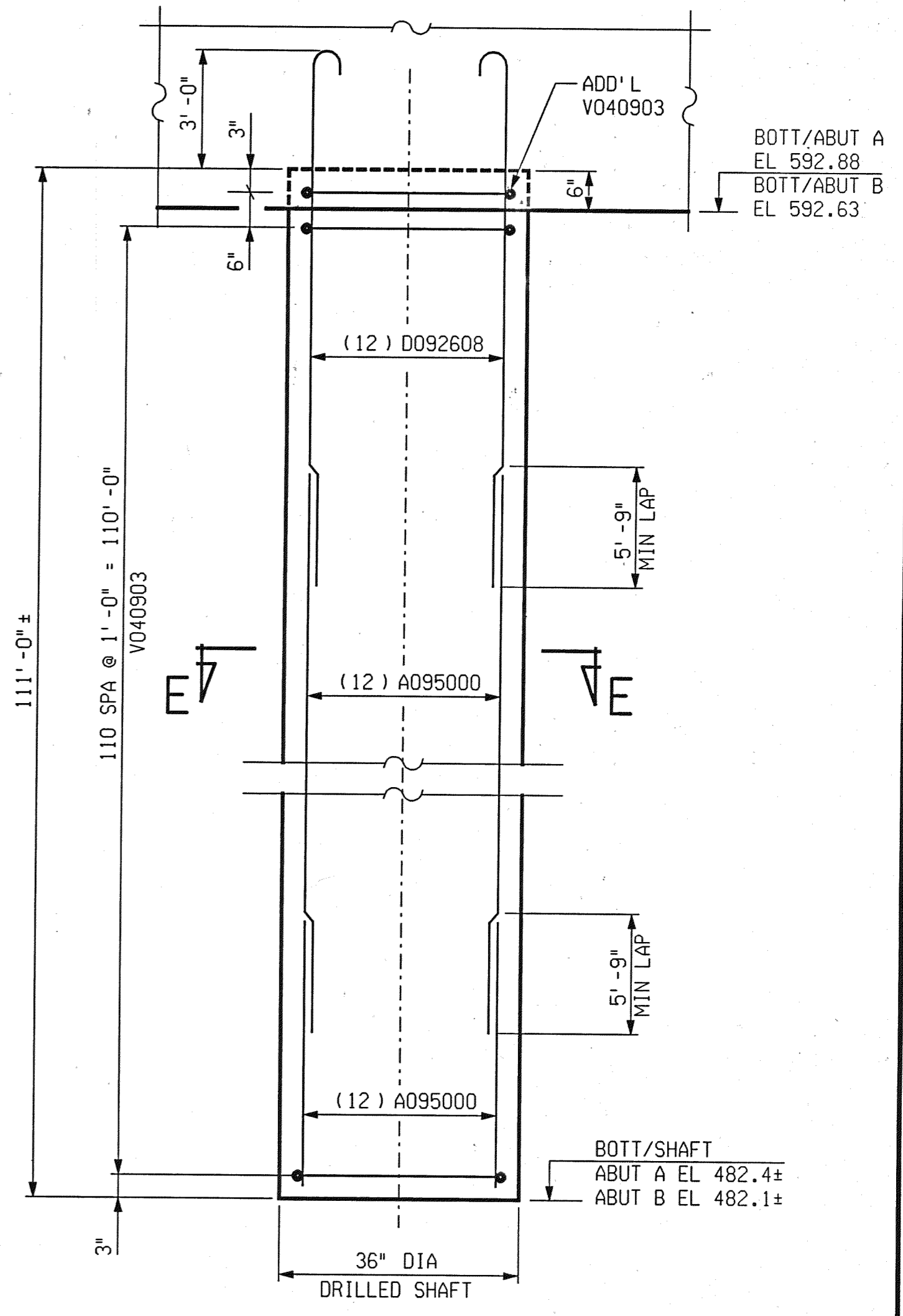
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



ABUTMENT A
 ABUTMENT B
 PLAN OF DRILLED SHAFT LAYOUT
 STAGE III



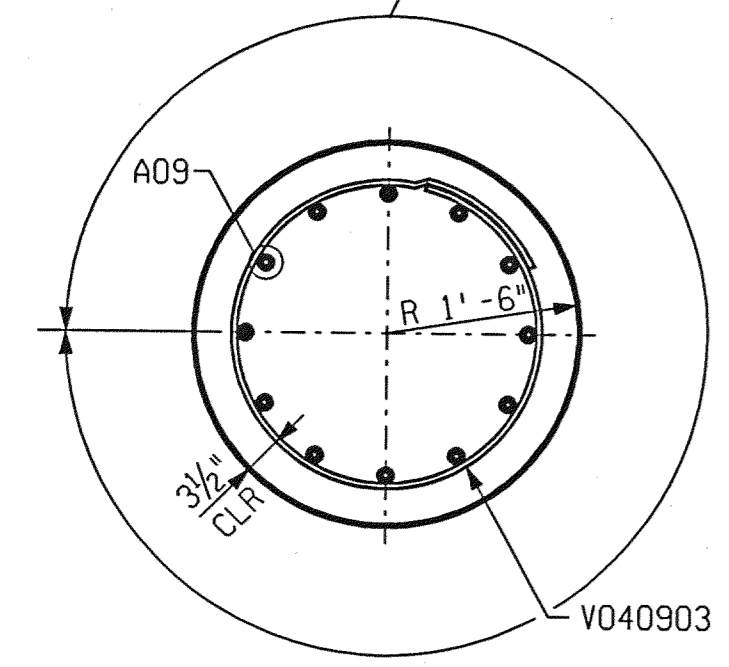
SHAFT ELEVATION

MISCELLANEOUS QUANTITIES			
1	LS	Drilled Shaft Equipment, Furnished (S01 of 82-22-02)	
2,220	Ft	Drilled Shaft	
1,870	Ft	Drilled Shaft Excavation	

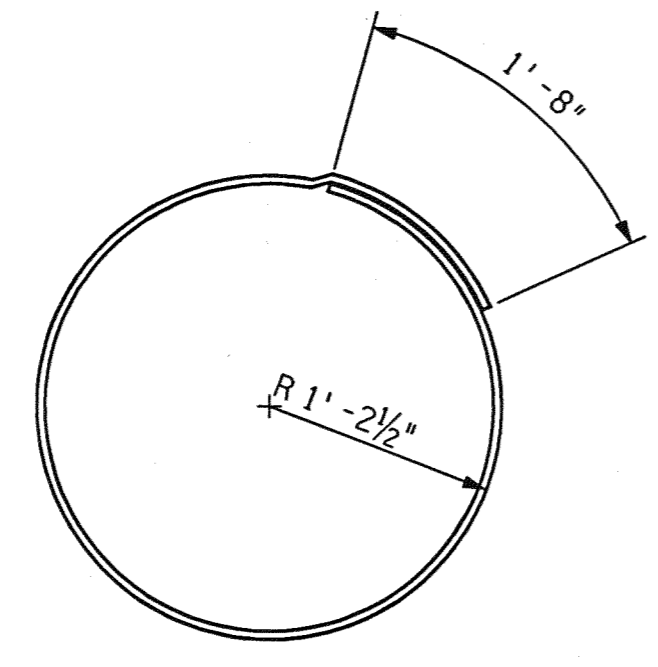
WP NO.	JEFFERSON AVE. & CONST STA	OFFSET LEFT	TOP/WALL ELEV	BOTT/WALL ELEV
1	9+85.04	59.33	601.03	575.70
2	9+98.37	59.33	601.14	575.70
3	10+05.81	59.33	596.66	575.70
4	10+85.68	59.33	596.45	575.70
5	10+93.12	59.33	600.82	575.70
6	11+15.85	59.33	600.44	581.20

NOTES:
 DRILLED SHAFTS AT ABUTMENT A AND B SHALL BE 36" DIA.
 SEE SPECIAL PROVISION FOR DRILLED SHAFT.

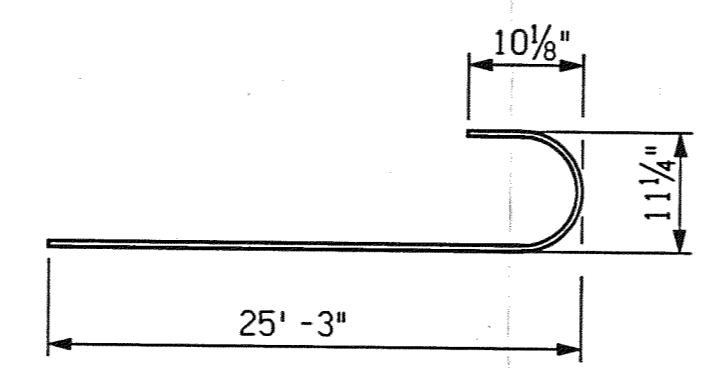
12 EQUAL SPACES
 LAP D092700 W/ A095000



SECTION E-E



V040903



D092608

ABUTMENTS-STAGE III

LOCATION	NO. OF DRILLED SHAFT	ESTIMATED LENGTH		CUT-OFF ELEV.
		EACH LFT	TOTAL LFT	
ABUT A	5	111	555	593.38
ABUT B	5	111	555	593.13
TOTAL	10	---	1110	---



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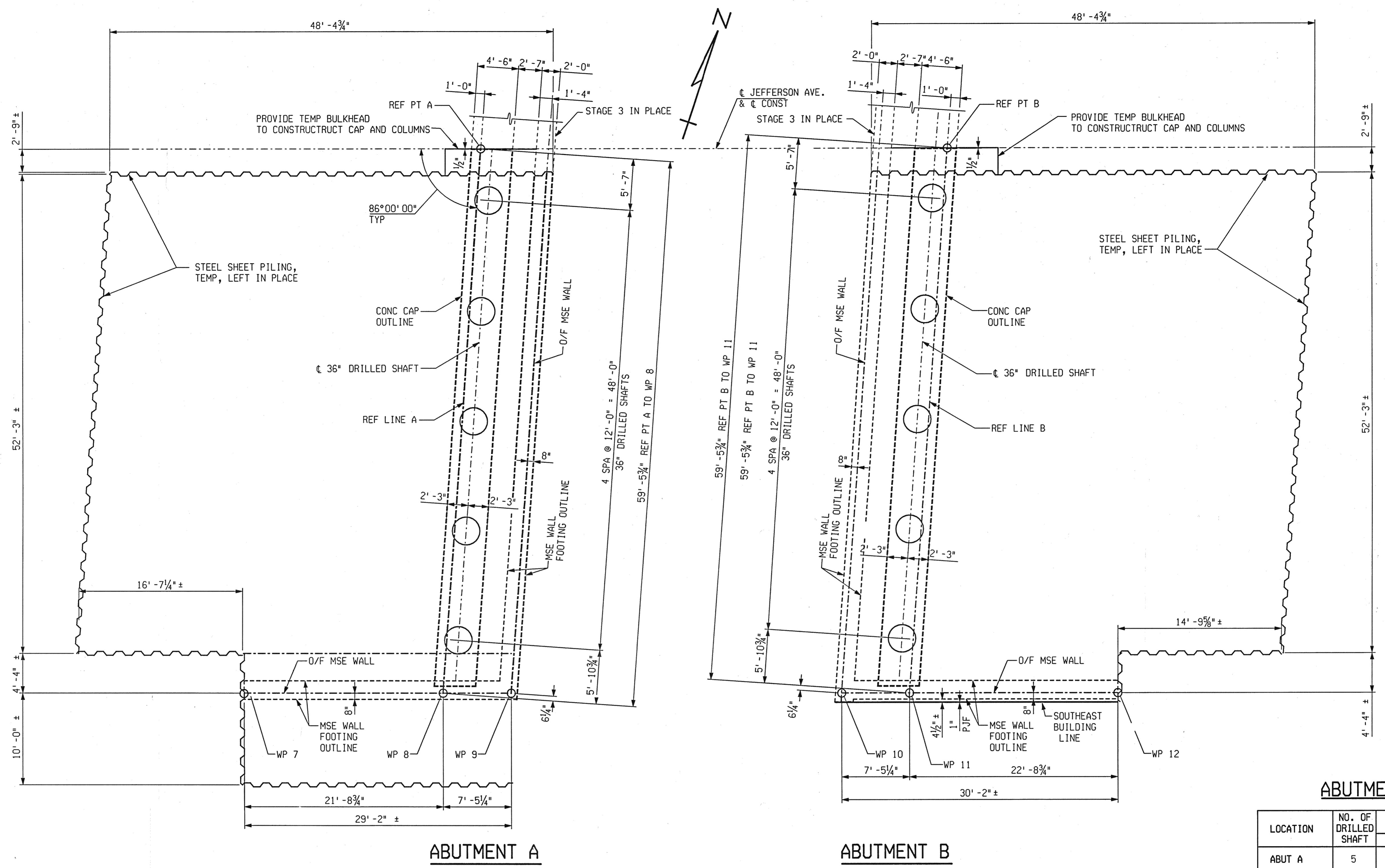
DRILLED SHAFT DETAILS
 JEFFERSON AVE OVER DEQUINDRE CUT

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02-11-05	S01 OF 82-22-02	BRT 82022	49717A	60 OF 80

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REVISIONS			
NO.	DESCRIPTION	DATE	BY



PLAN OF DRILLED SHAFT LAYOUT
STAGE IVA

ABUTMENTS-STAGE IVA

LOCATION	NO. OF DRILLED SHAFT	ESTIMATED LENGTH		CUT-OFF ELEV.
		EACH LFT	TOTAL LFT	
ABUT A	5	111	555	593.38
ABUT B	5	111	555	593.13
TOTAL	10	---	1110	

WP NO.	JEFFERSON AVE. & CONST	OFFSET RIGHT	TOP/WALL ELEV	BOTT/WALL ELEV
7	9+68.34	59.33	600.82	580.70
8	9+90.07	59.33	601.07	575.70
9	9+97.51	59.33	596.66	575.70
10	10+77.38	59.33	596.45	575.70
11	10+84.82	59.33	600.93	575.70
12	11+07.55	59.33	600.59	581.20



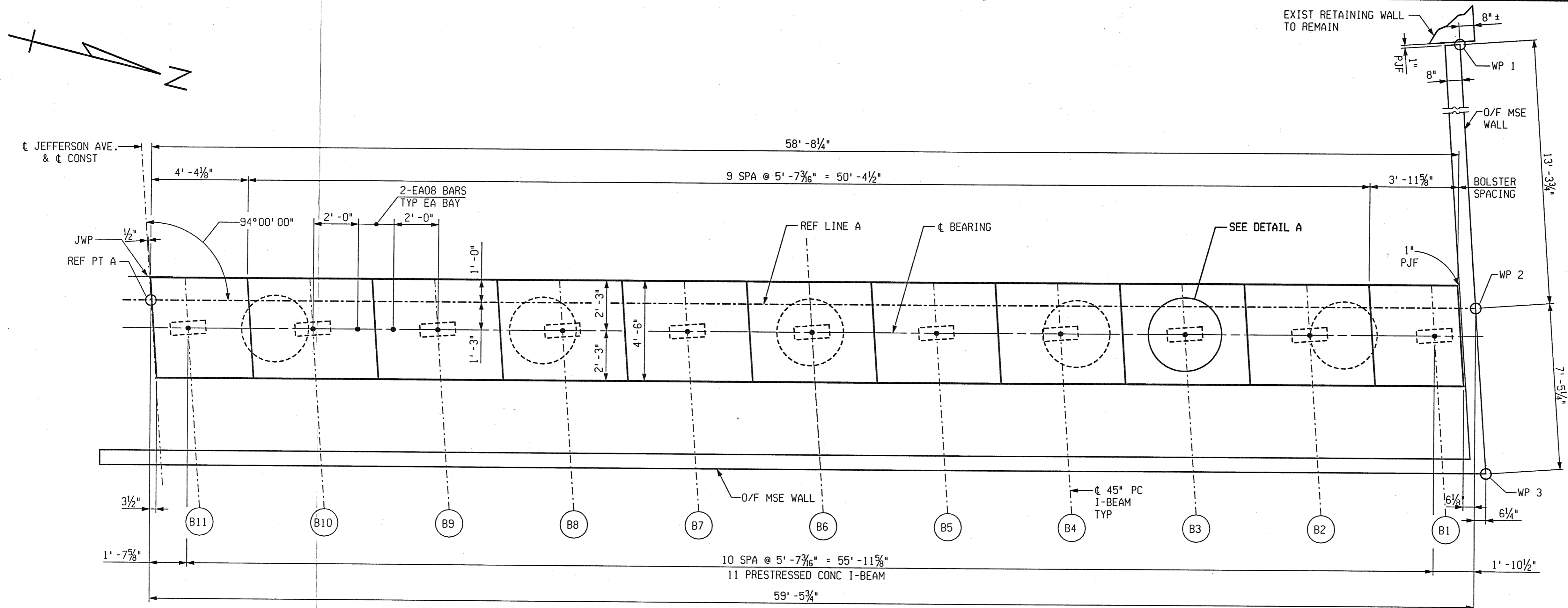
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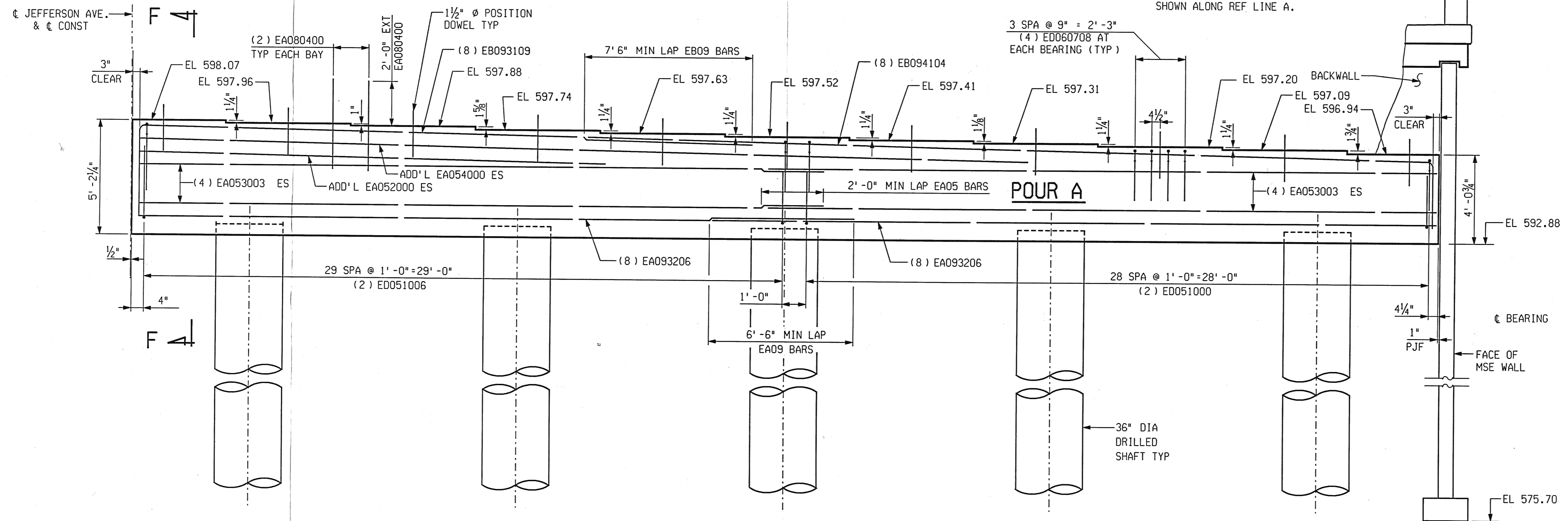
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JEFFERSON AVE OVER DEQUINDRE CUT				
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02-11-05	S01 OF 82-22-02	BRT 82022	49717A	61 OF 80

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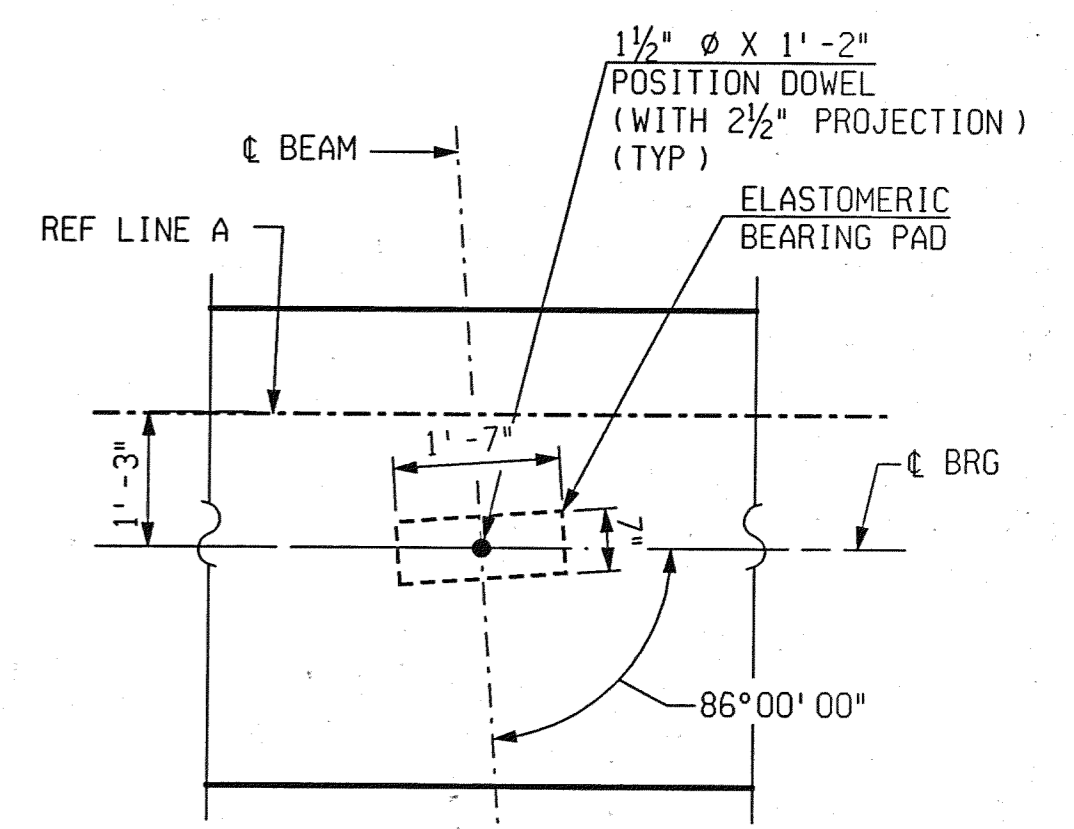


TOP PLAN STAGE-III
ABUTMENT A



ELEVATION STAGE-III
ABUTMENT A LOOKING WEST

REVISIONS			
NO.	DESCRIPTION	DATE	BY



DETAIL A

MISCELLANEOUS QUANTITIES

182	Cyd	Conc, Grade D
7300	Sft	MSE Wall, Furnished
7300	Sft	MSE Wall, Installed
350	Ft	Leveling Pad, Concrete
275	Ft	MSE Wall Coping
1130	Sft	Joint Waterproofing

CONC, GRADE D				
POUR	A	B	C	D
ABUT A & B (CY)	45.5	45.3	45.1	45.7

NOTES:

- ALL SUBSTRUCTURE CONCRETE TO BE GRADE D.
- EJWP DENOTES JOINT WATERPROOFING, EXPANSION
- JWP DENOTES JOINT WATERPROOFING
- NS DENOTES NEAR SIDE
- FS DENOTES FAR SIDE
- ES DENOTES EACH SIDE
- O/F DENOTES OUTSIDE FACE
- I/F DENOTES INSIDE FACE
- LOW TEMPERATURE PROTECTION OF CONCRETE SHALL BE APPLIED ACCORDING TO SECTION 706.03 J. OF THE 2003 STANDARD SPECIFICATIONS FOR CONSTRUCTION LOW TEMPERATURE PROTECTION OF CONCRETE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE BID ITEM "Conc, Grade D".
- DRILLING HOLES FOR POSITION DOWELS SHALL NOT BE PERMITTED.
- FOR BEVEL AND MOLDING DETAILS SEE STANDARD PLAN B-103 SERIES
- AT NO TIME PRIOR TO ERECTING THE BEAMS SHALL THE HEIGHT OF THE BACKFILL ON THE BACKSIDE OF THE ABUTMENT BE HIGHER THAN THE BACKFILL ON THE FRONT SIDE
- FOR DRILLED SHAFT QUANTITIES, LAYOUT AND NOTES SEE DRILLED SHAFT DETAIL SHEETS



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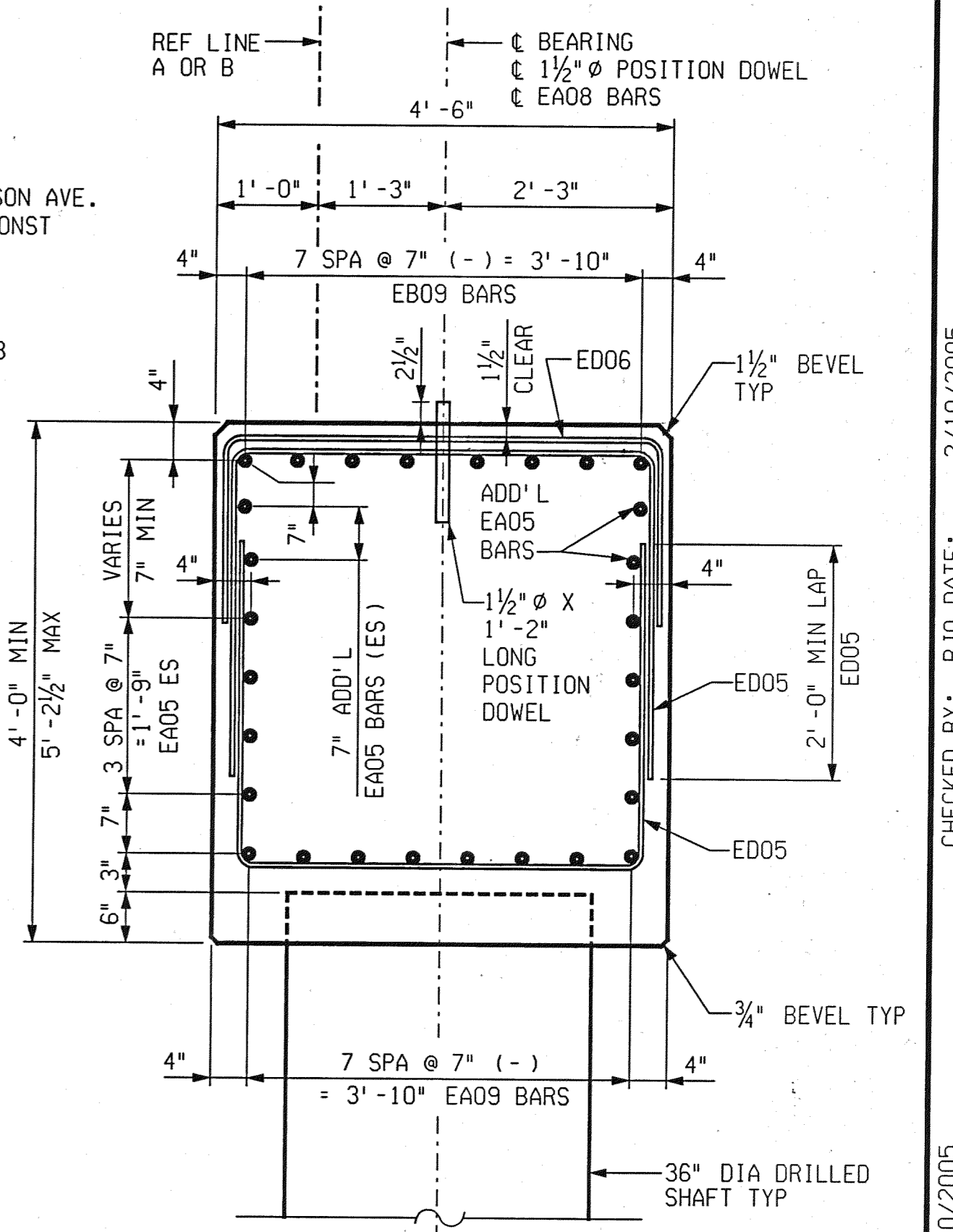
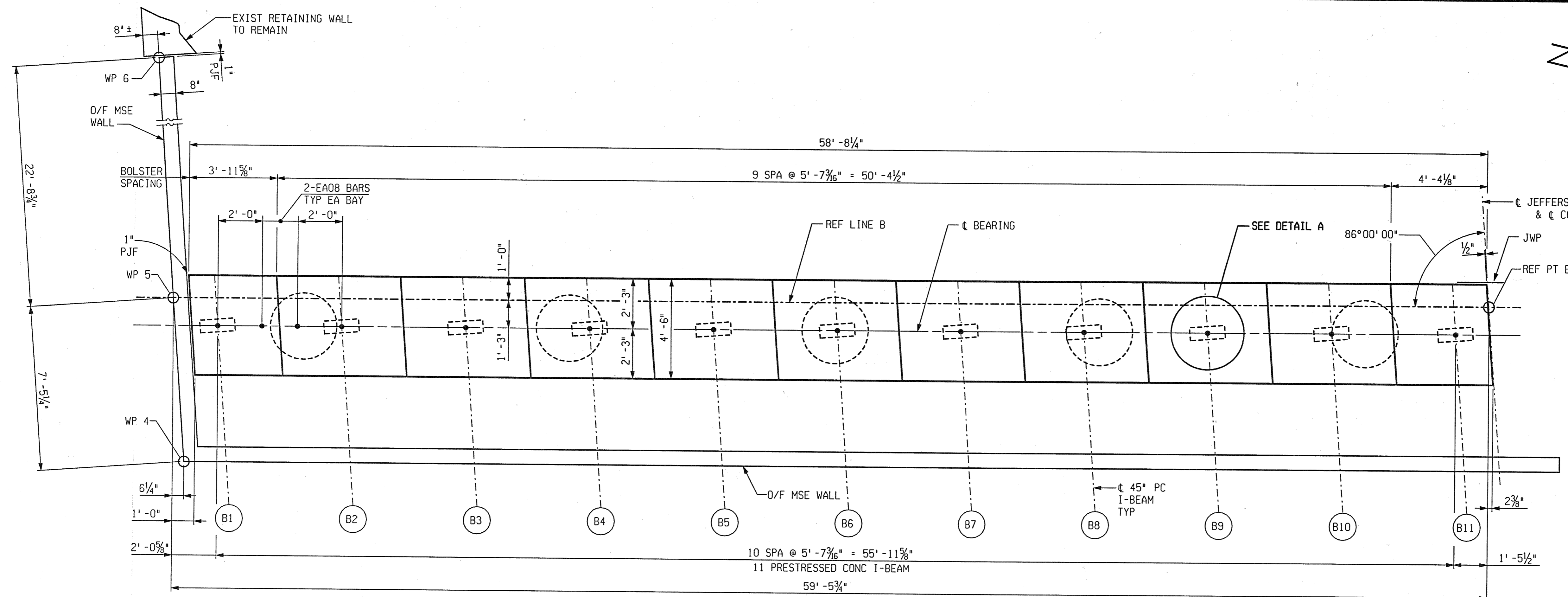
CITY OF DETROIT
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CITY ENGINEERING DIVISION

ABUTMENT DETAILS				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	62 OF 80

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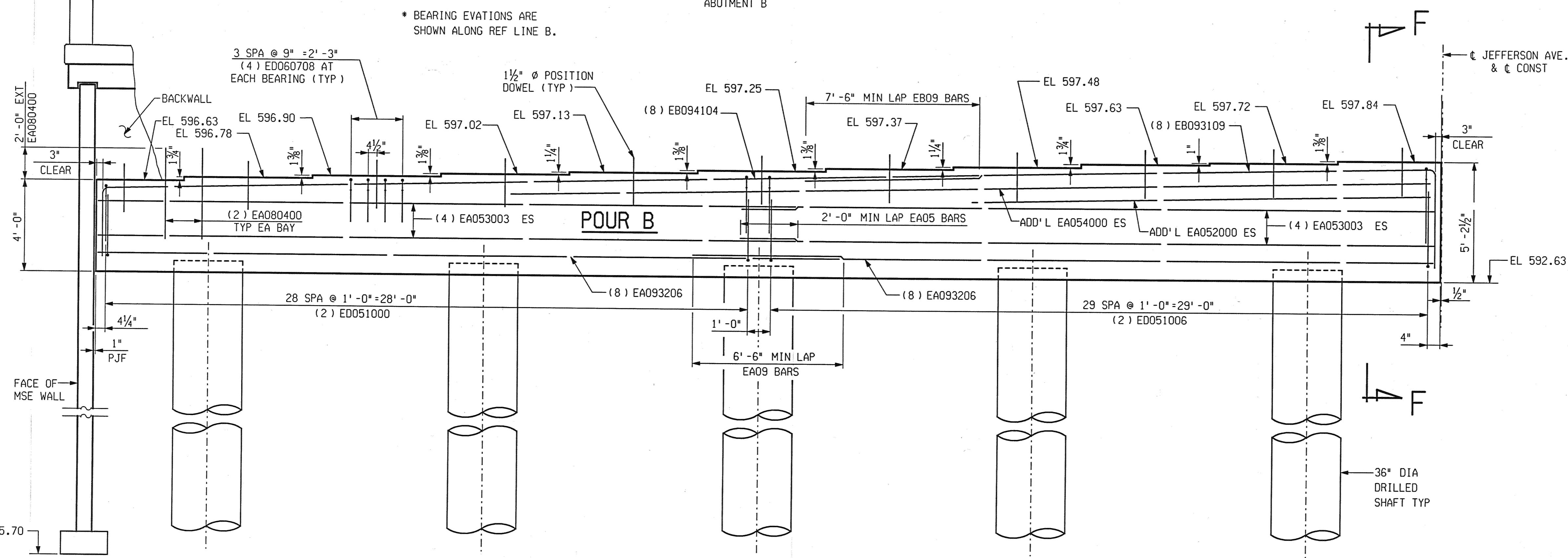
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NO.	DESCRIPTION	DATE	BY

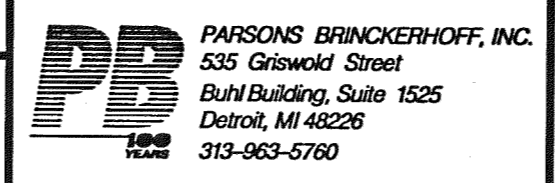


TOP PLAN STAGE-III
ABUTMENT B

SECTION F-F



ELEVATION STAGE-III
ABUTMENT B LOOKING EAST

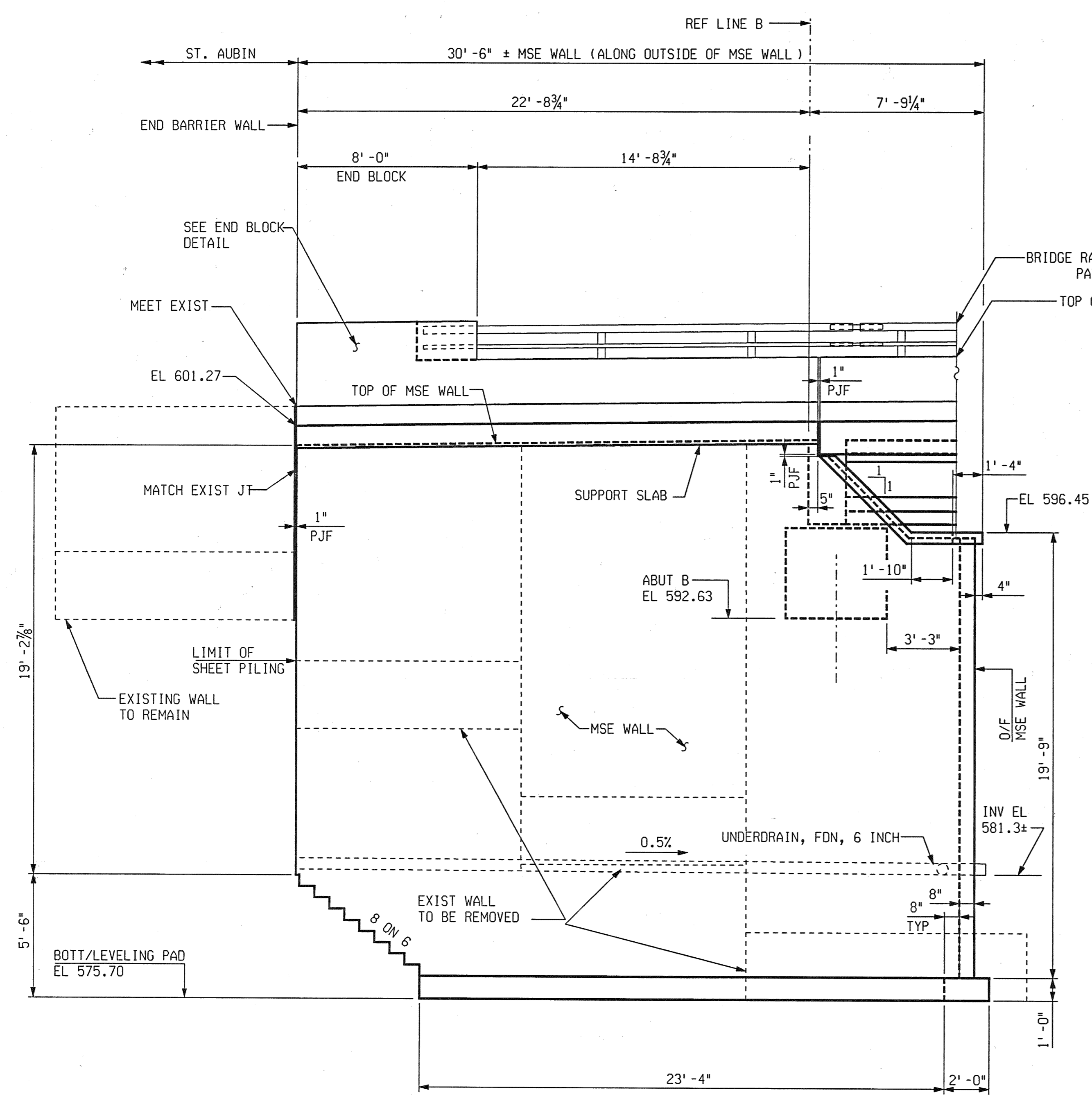


CITY OF DETROIT
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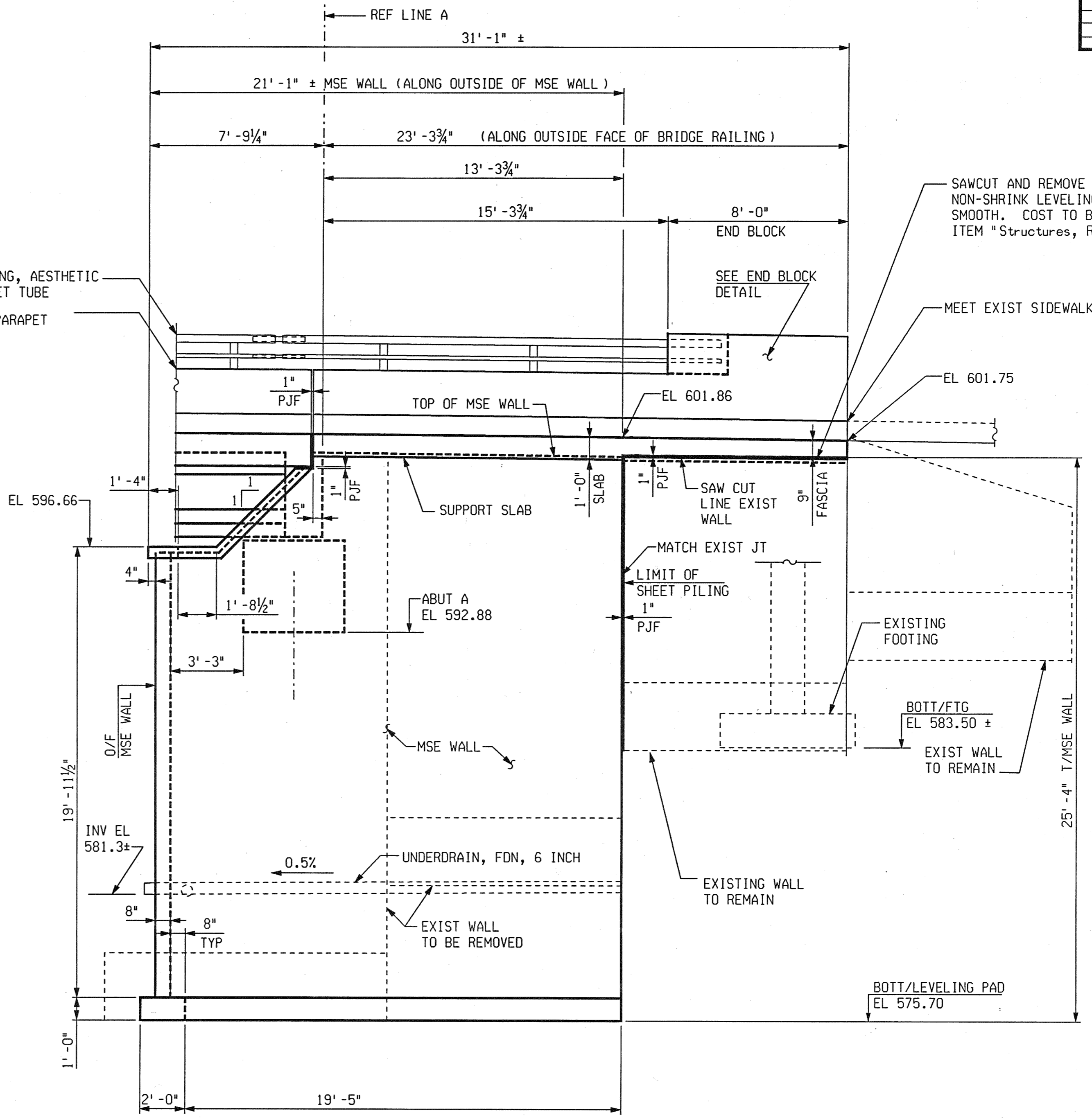
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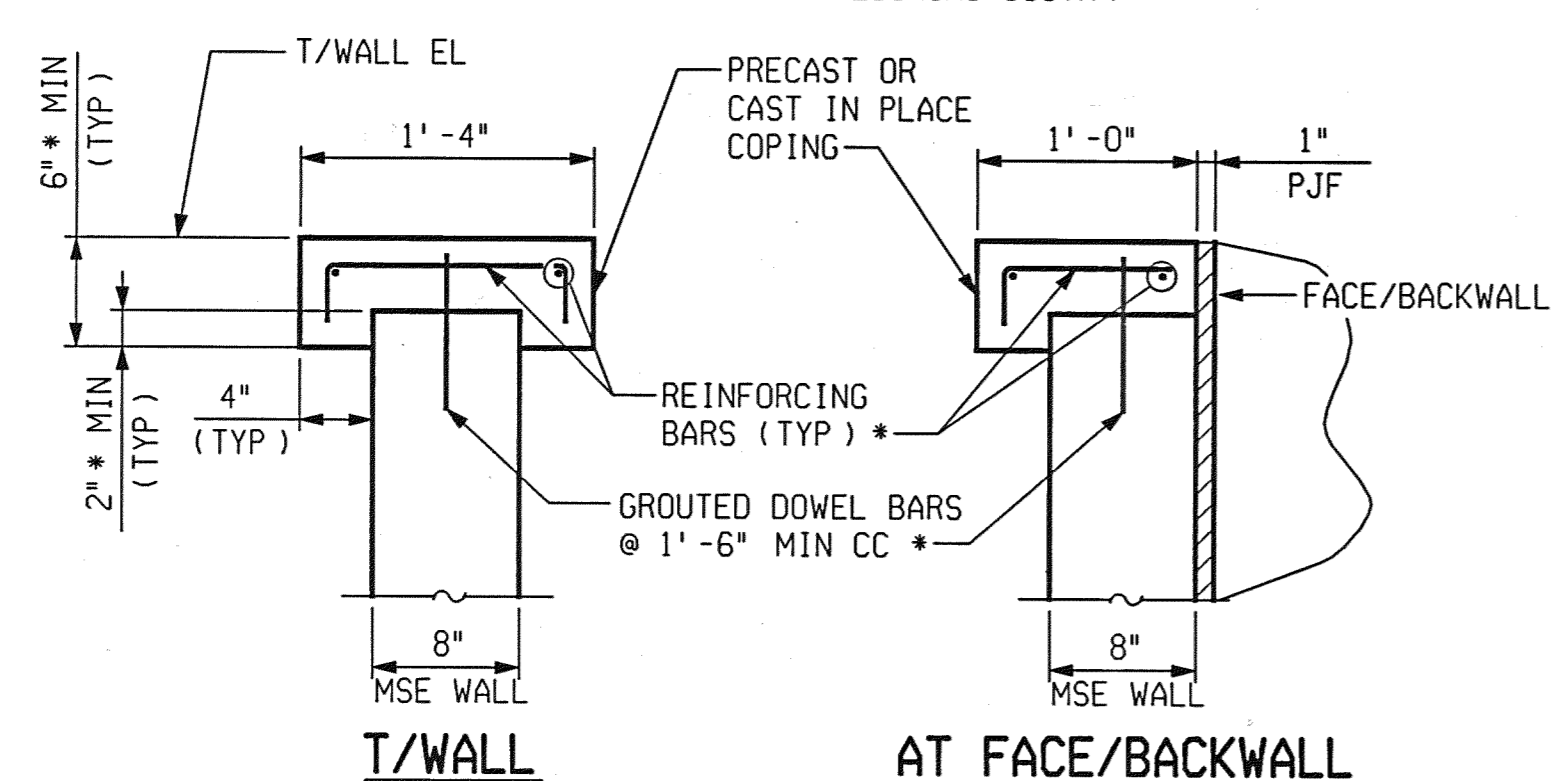
REVISIONS			
NO.	DESCRIPTION	DATE	BY



NORTHEAST WALL ELEVATION
(LOOKING SOUTH)



NORTHWEST WALL ELEVATION
(LOOKING SOUTH)



TYPICAL COPING DETAILS

* NOTE: DIMENSIONS, BARS SIZES AND SPACING TO BE AS RECOMMENDED BY MSE WALL MANUFACTURER

MSE WALL STAGE IIIB (NORTH SIDE)



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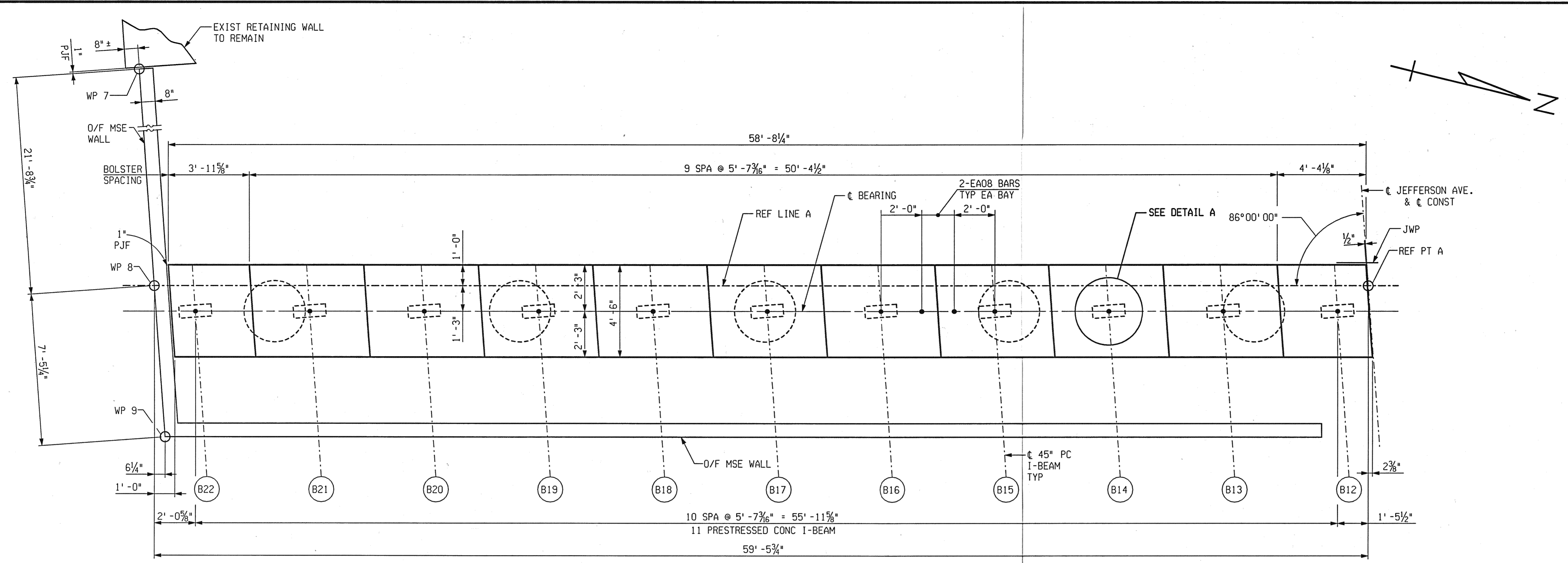
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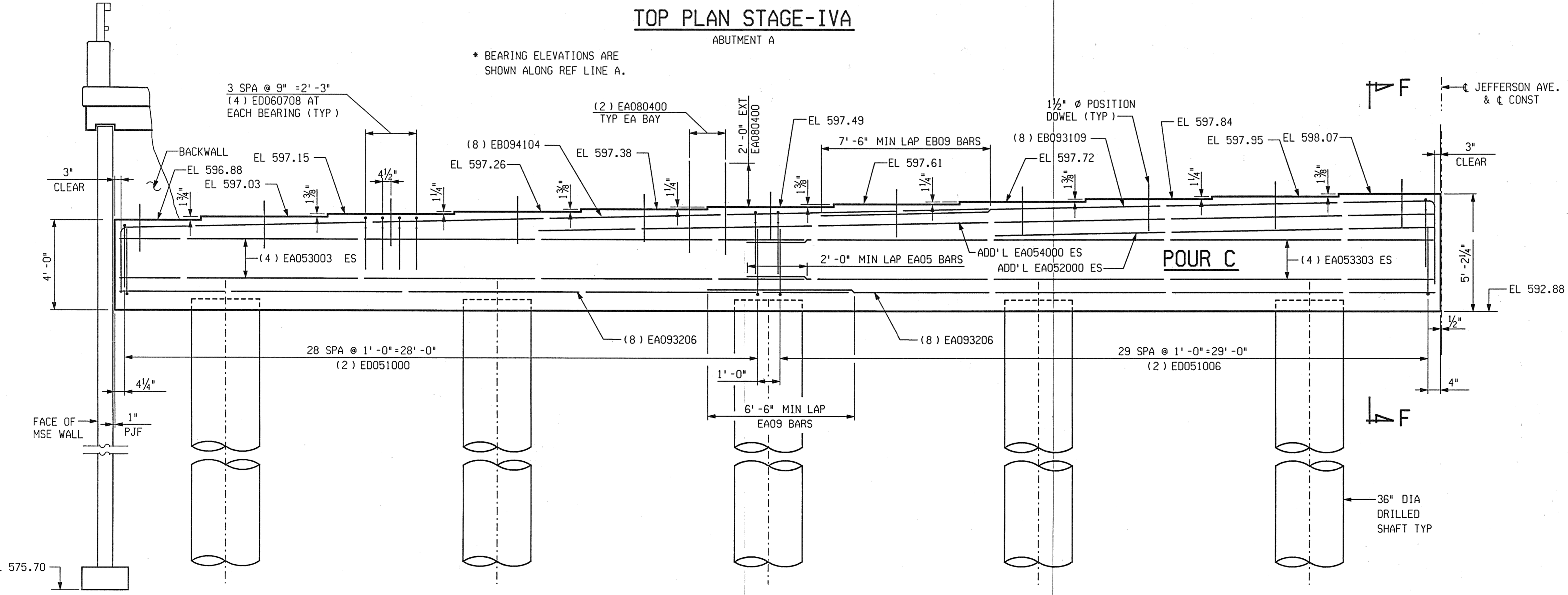
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



TOP PLAN STAGE-IVA
ABUTMENT A



ELEVATION STAGE-IVA
ABUTMENT A LOOKING WEST



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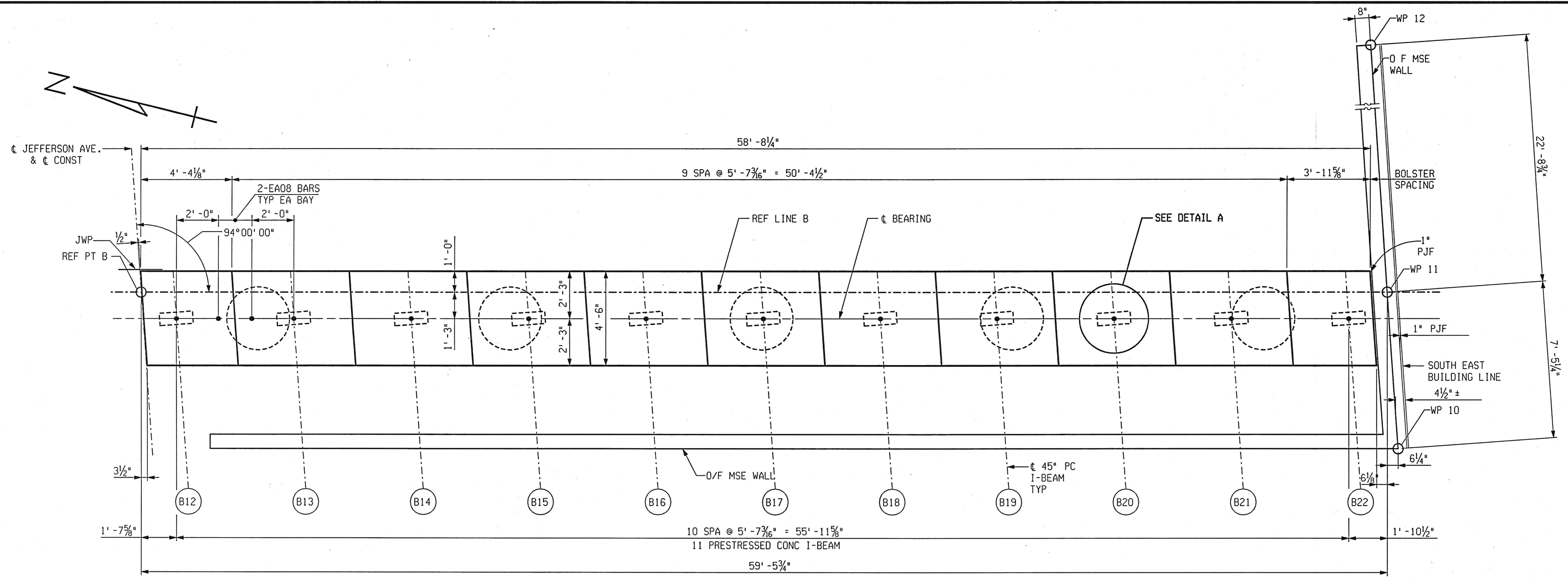
CITY OF DETROIT
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CITY ENGINEERING DIVISION

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02-11-05	S01 OF 82-22-02	BRT 82022	49717A	65 OF 80

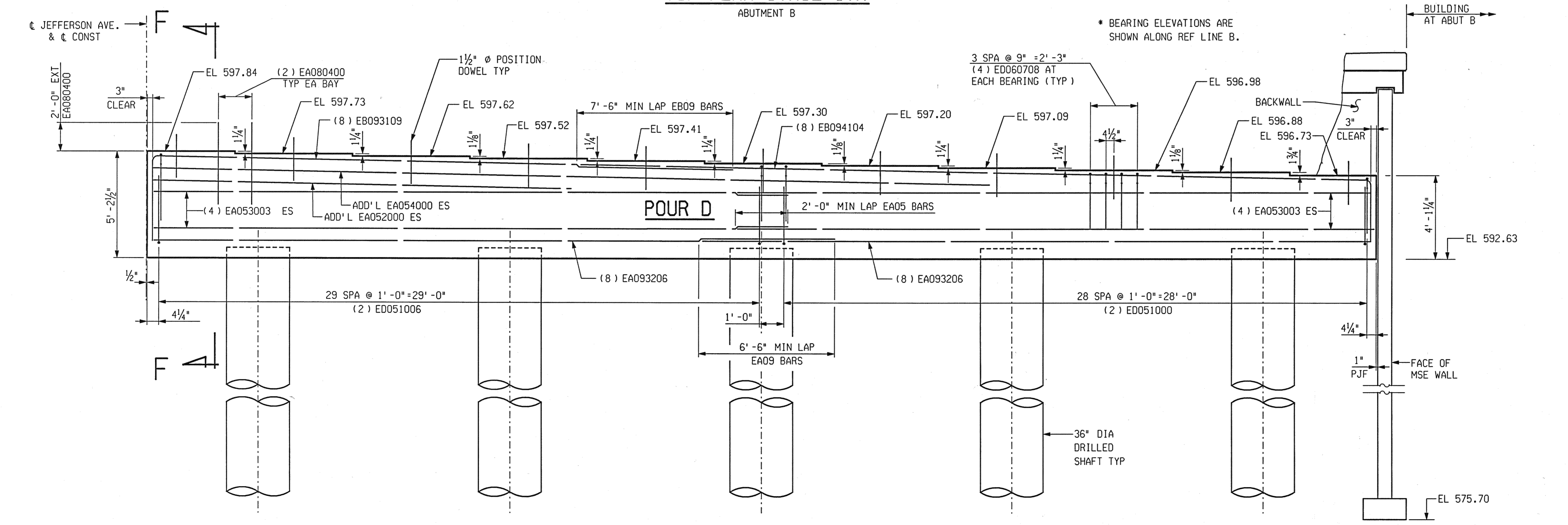
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



TOP PLAN STAGE-IVA
ABUTMENT B



ELEVATION STAGE-IVA
ABUTMENT B LOOKING EAST



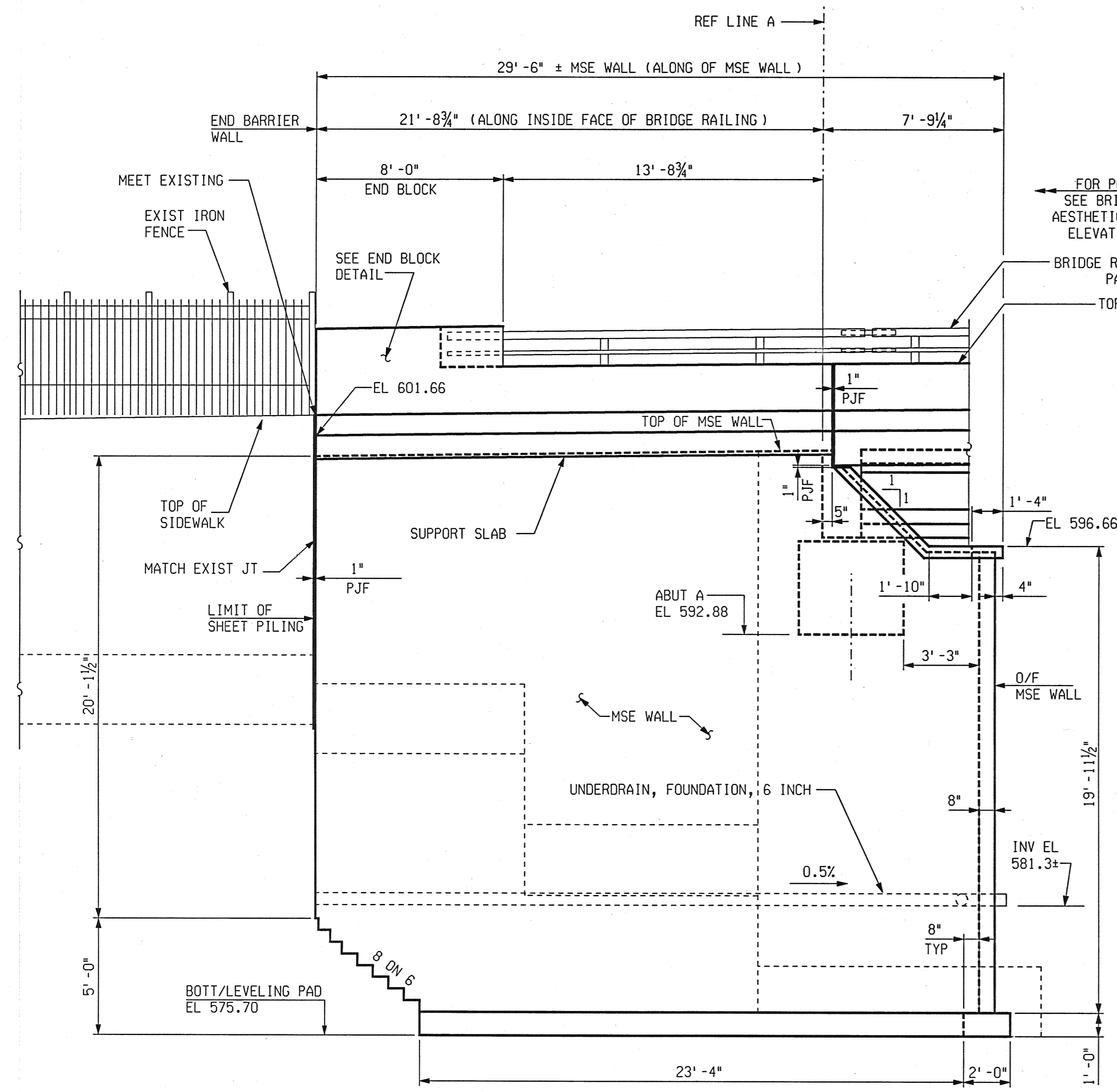
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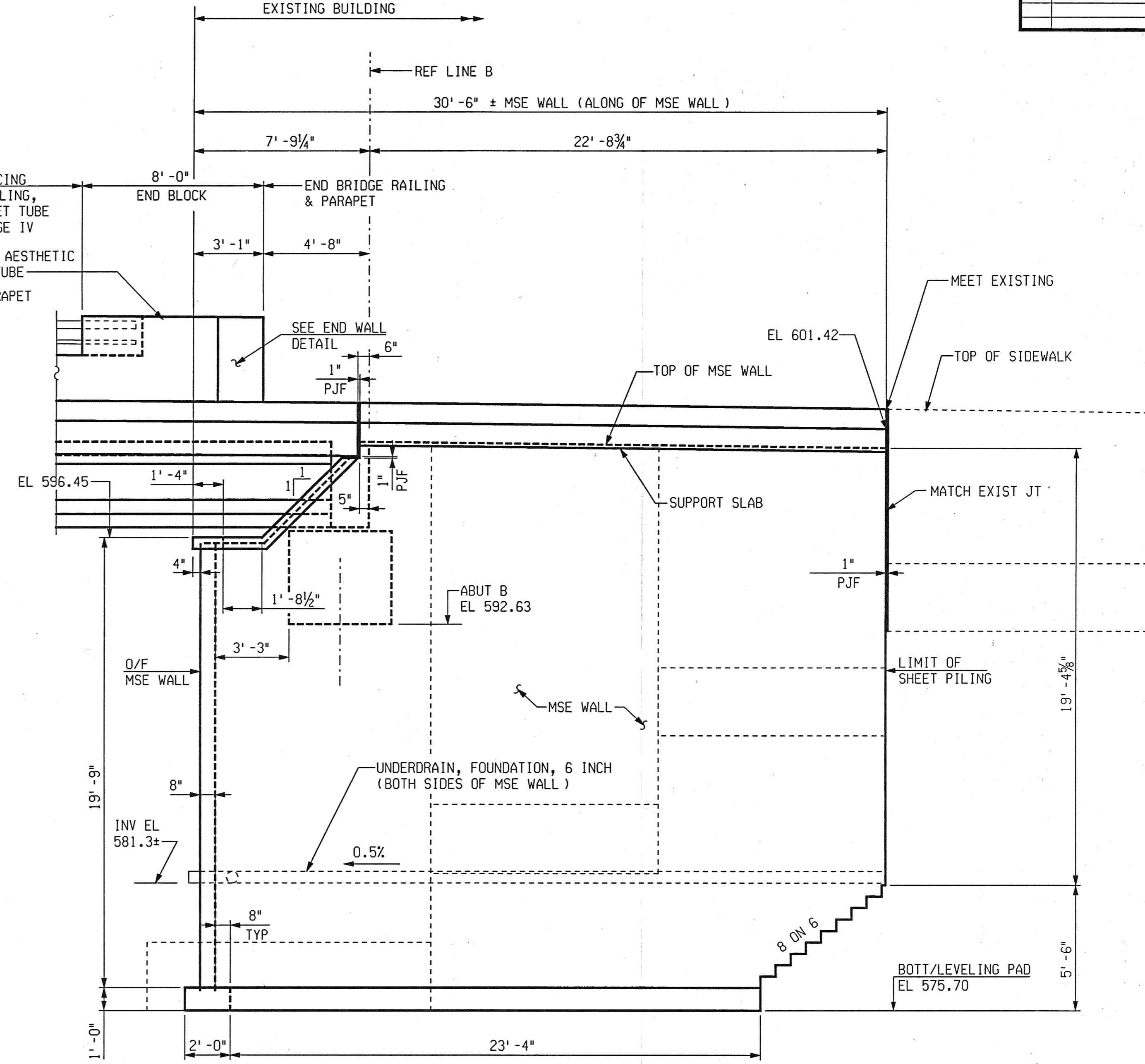
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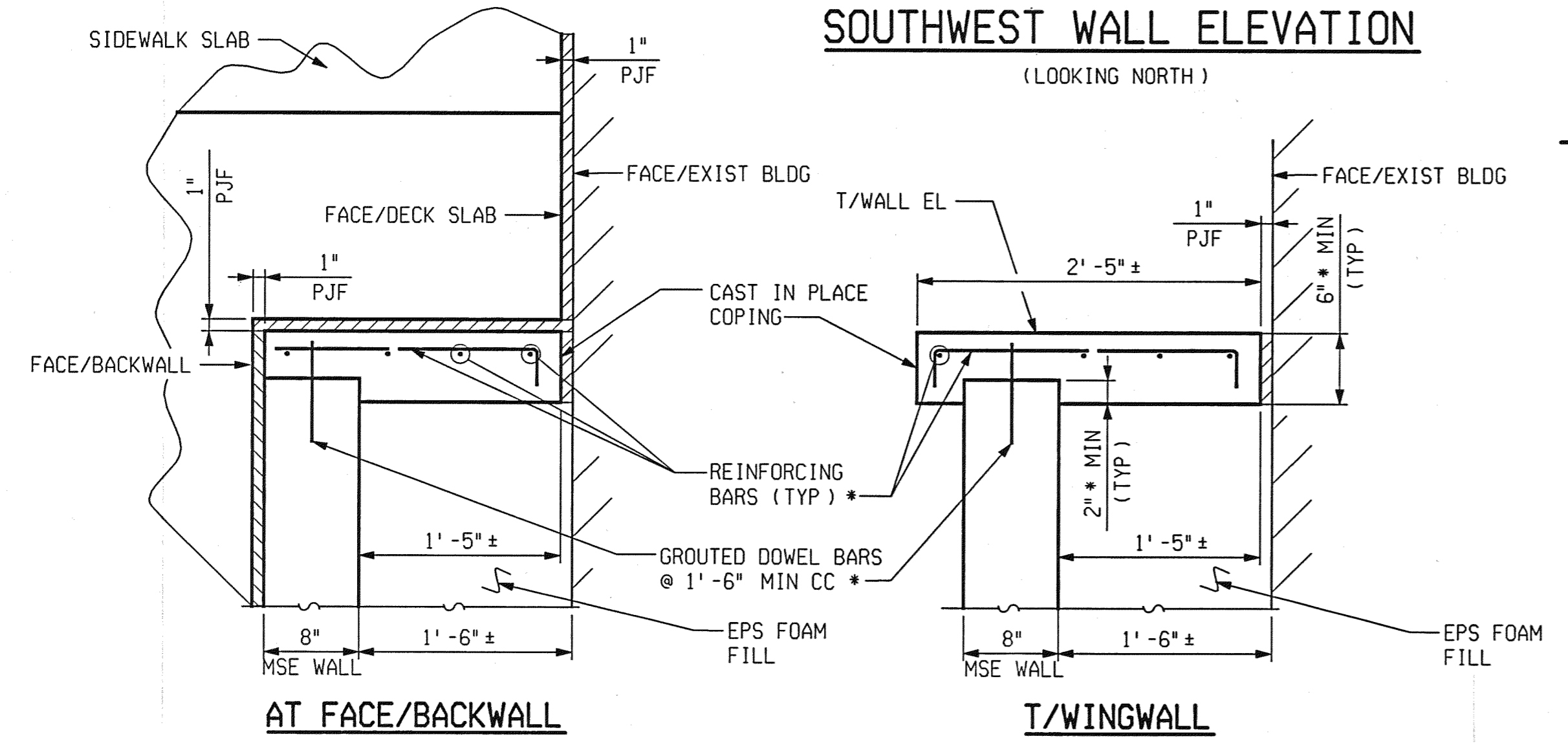


SOUTHWEST WALL ELEVATION
(LOOKING NORTH)



SOUTHEAST WALL ELEVATION
(LOOKING NORTH)

MSE WALL STAGE IV (SOUTH SIDE)



COPING DETAIL SOUTHEAST WINGWALL

* NOTE: DIMENSIONS, BARS SIZES AND SPACING TO BE AS RECOMMENDED BY MSE WALL MANUFACTURER



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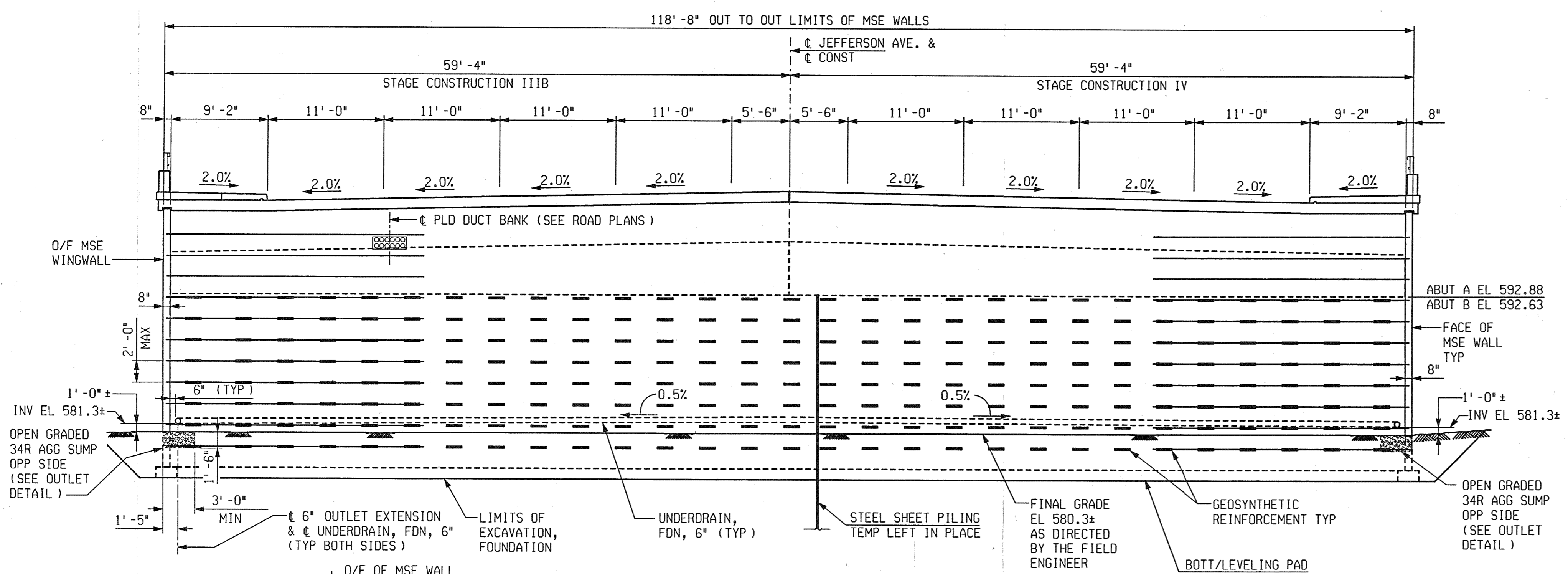
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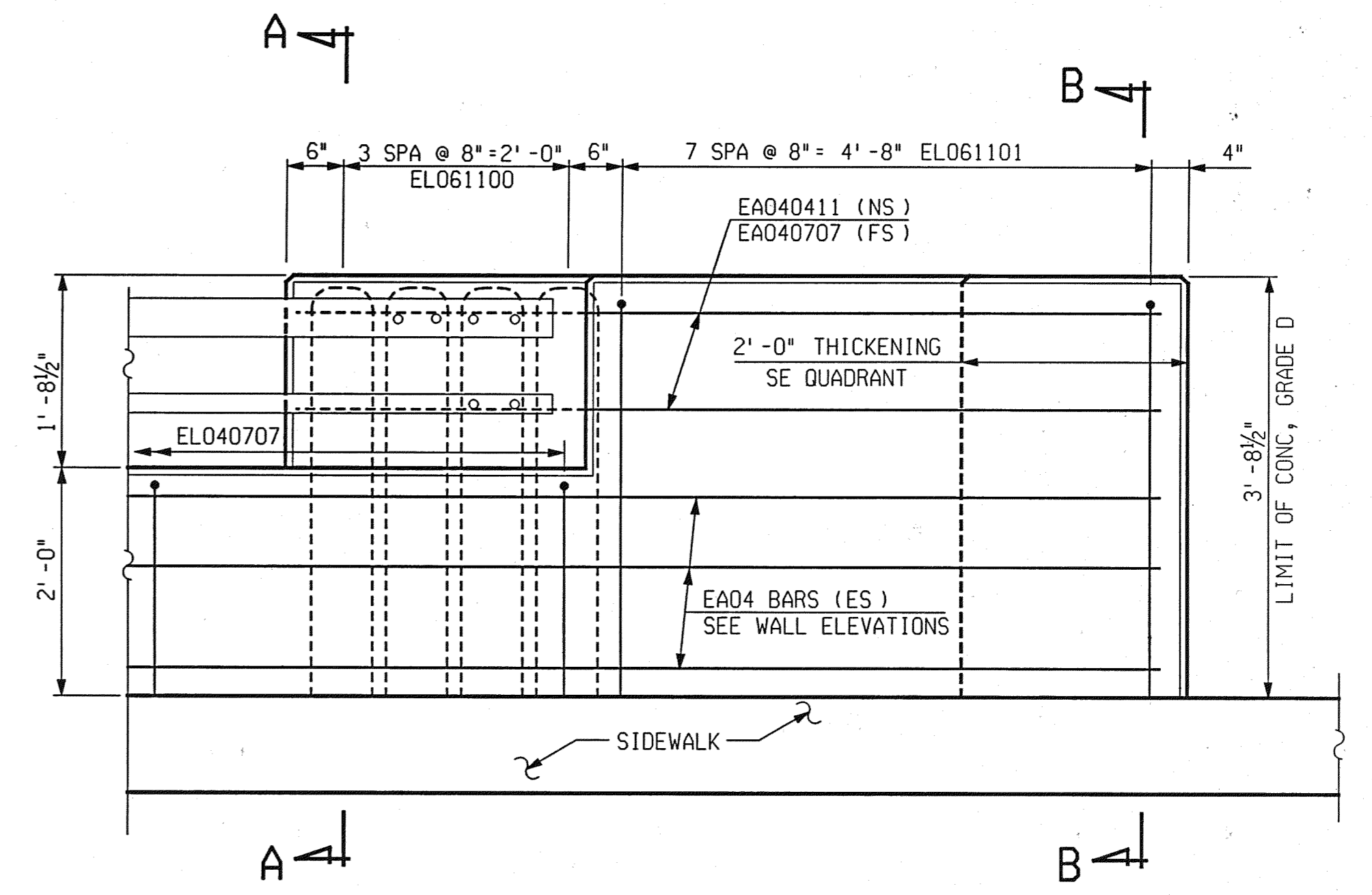
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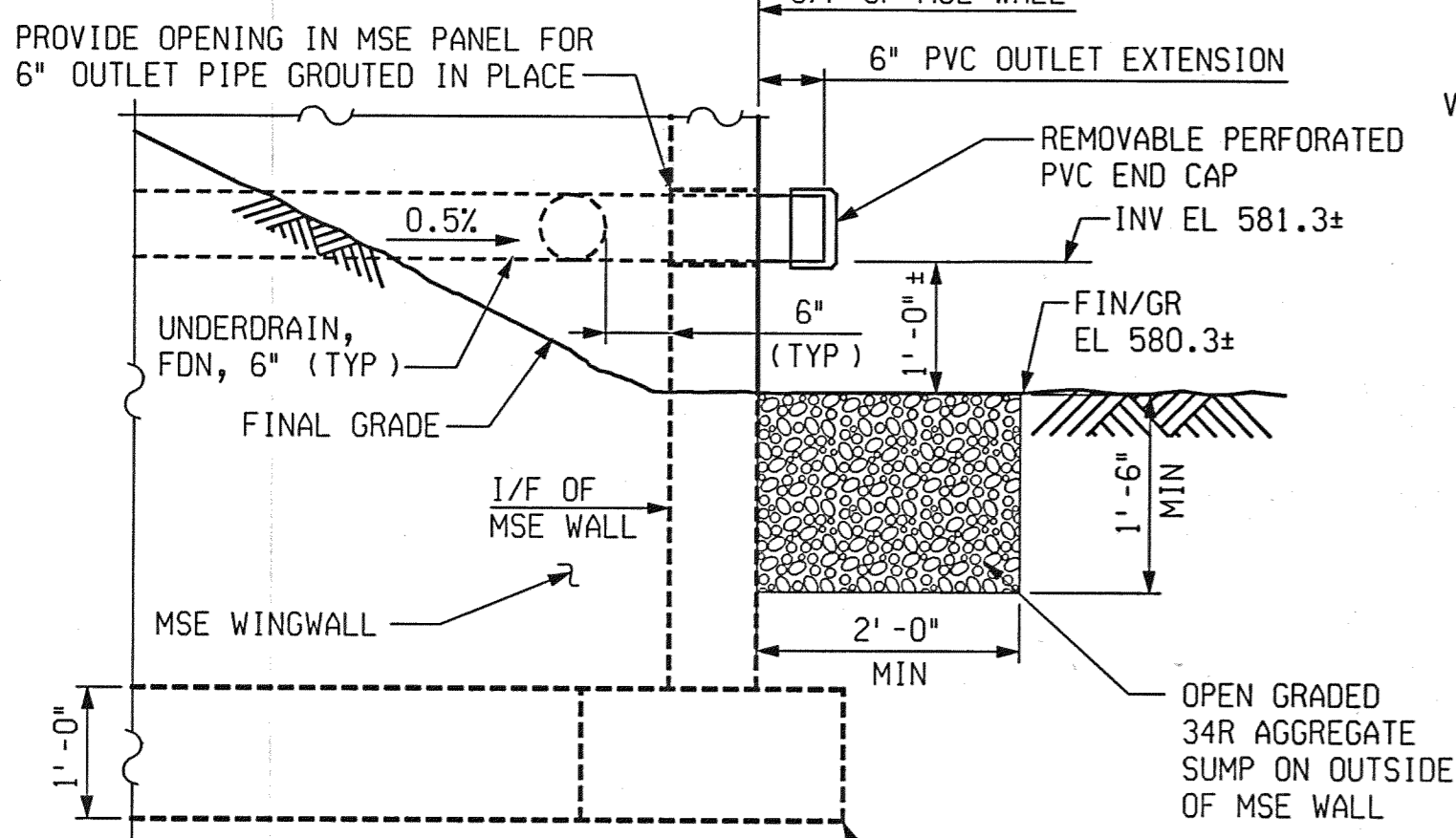
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NO.	DESCRIPTION	DATE	BY



MSE WALL TYPICAL SECTION
VIEW FROM BACKSIDE OF ABUTMENT A LOOKING UPSTATION

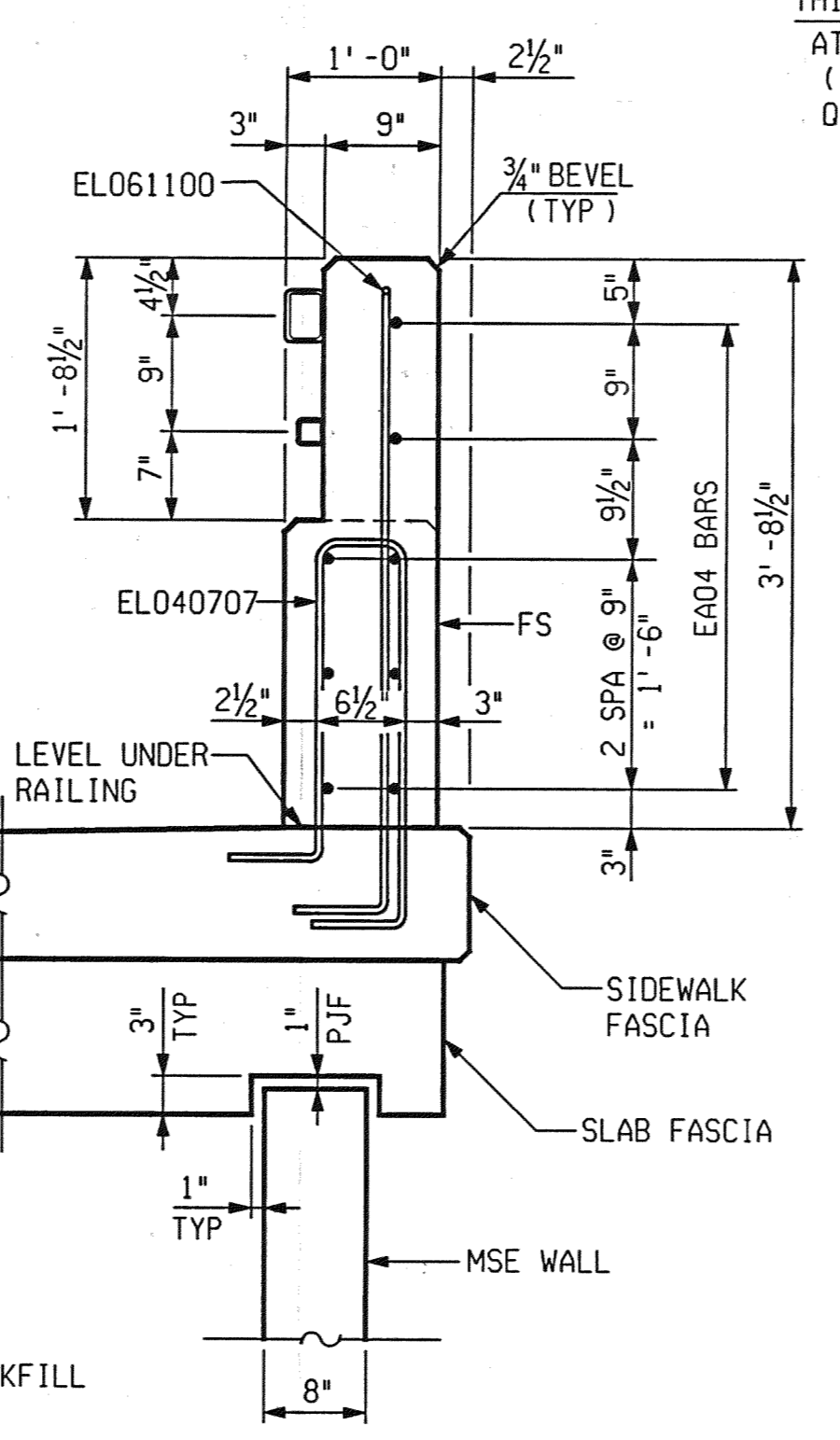


TYPICAL END WALL ELEVATION

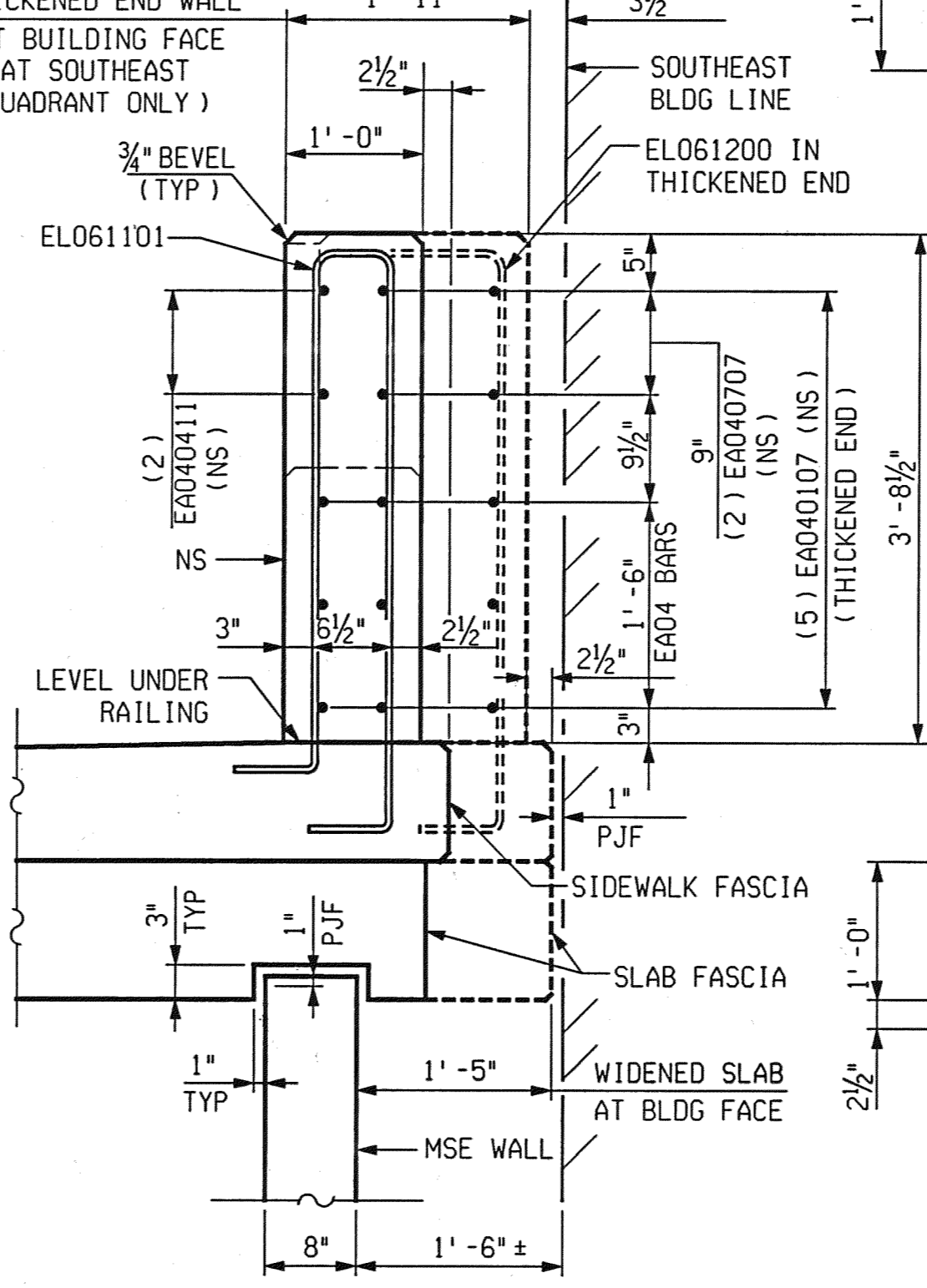


OUTLET DETAIL
TYPICAL ALL QUADRANTS

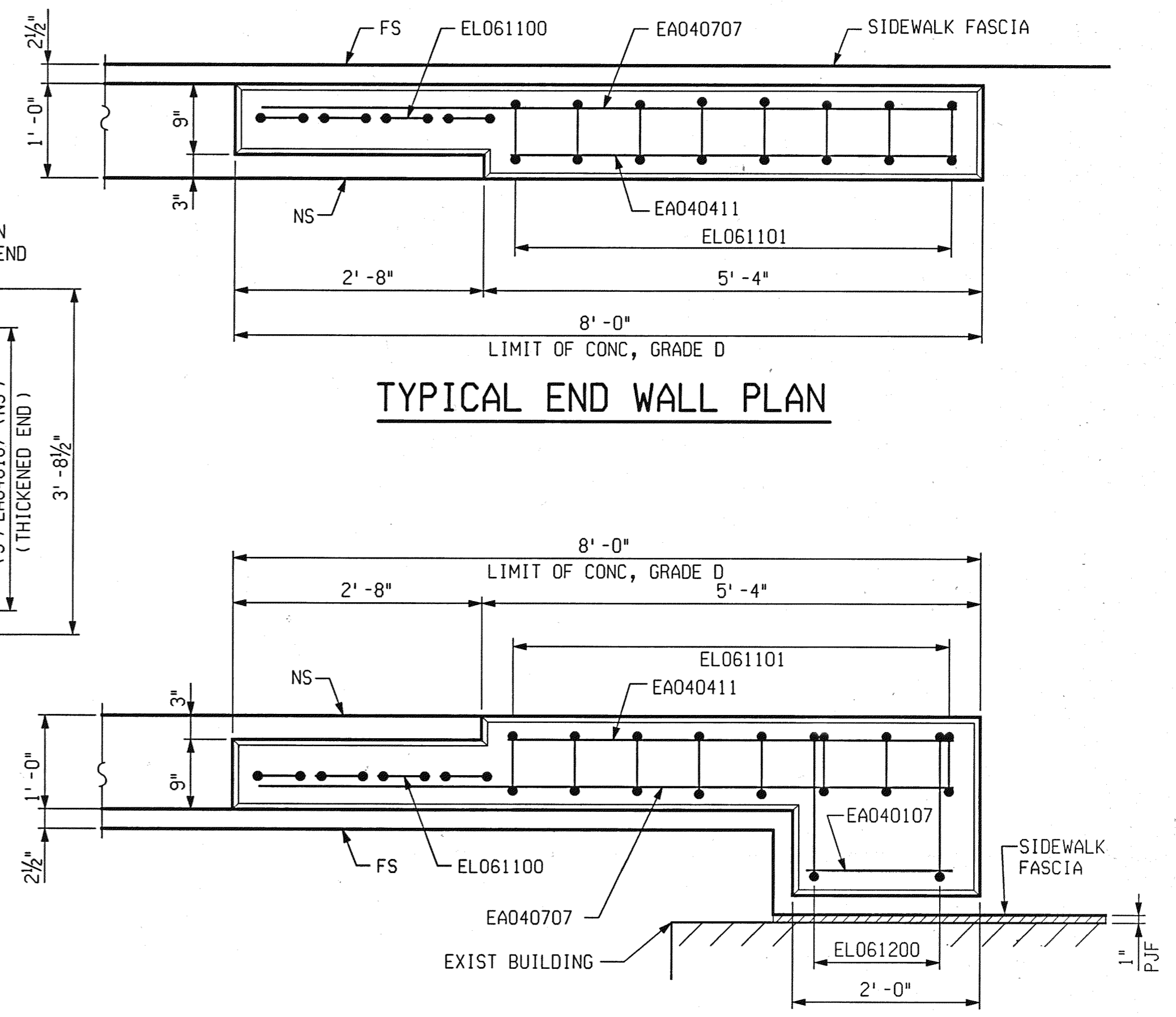
NOTE: COST OF 34R AGGREGATE, PERFORATED PVC END CAP, 6" PVC OUTLET EXTENSION AND GROUTING EXTENSION IN MSE WALL OPENING TO BE INCLUDED IN BID ITEM "Underdrain, Fdn, 6 inch". SEE MSE WALL SPECIAL PROVISIONS.



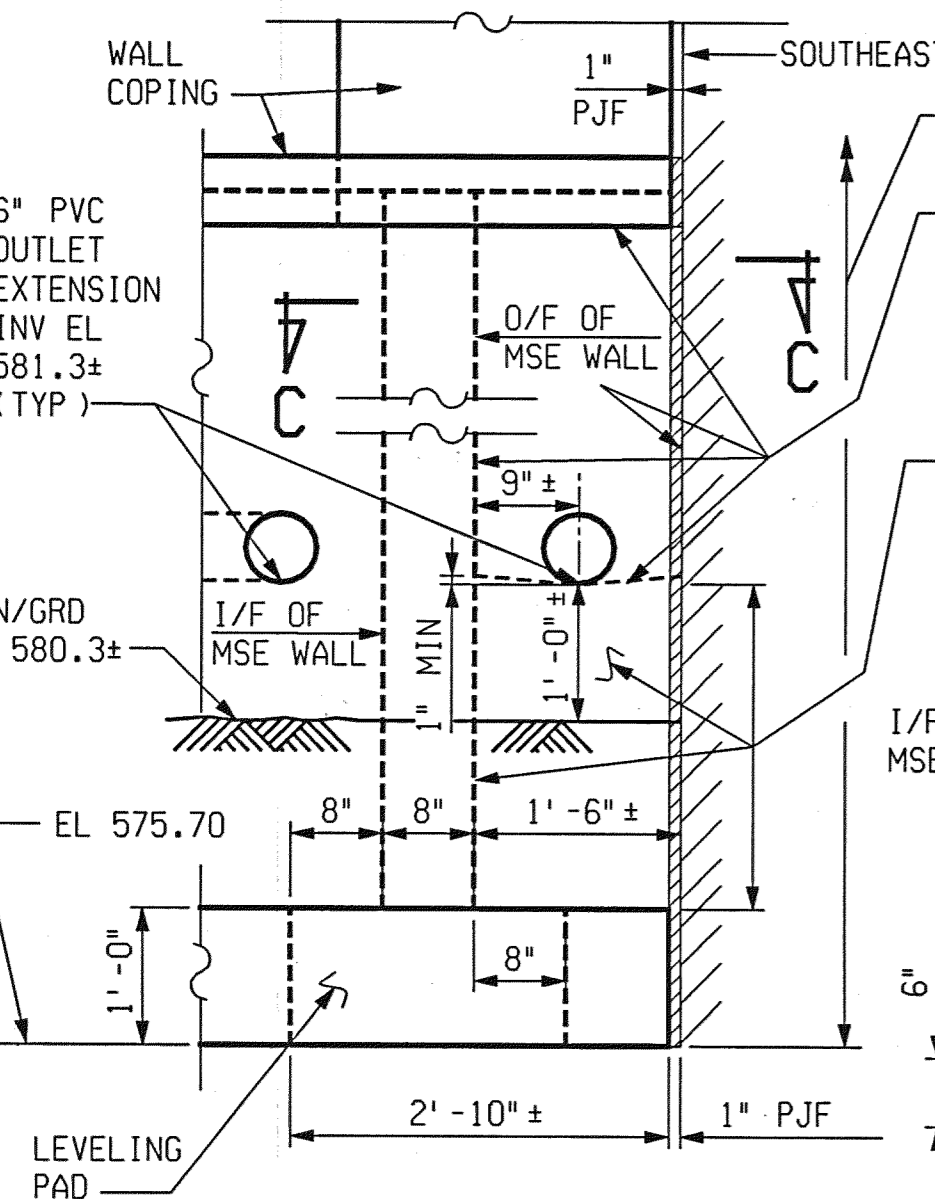
SECTION A-A
(TUBE CONNECTION AREA)



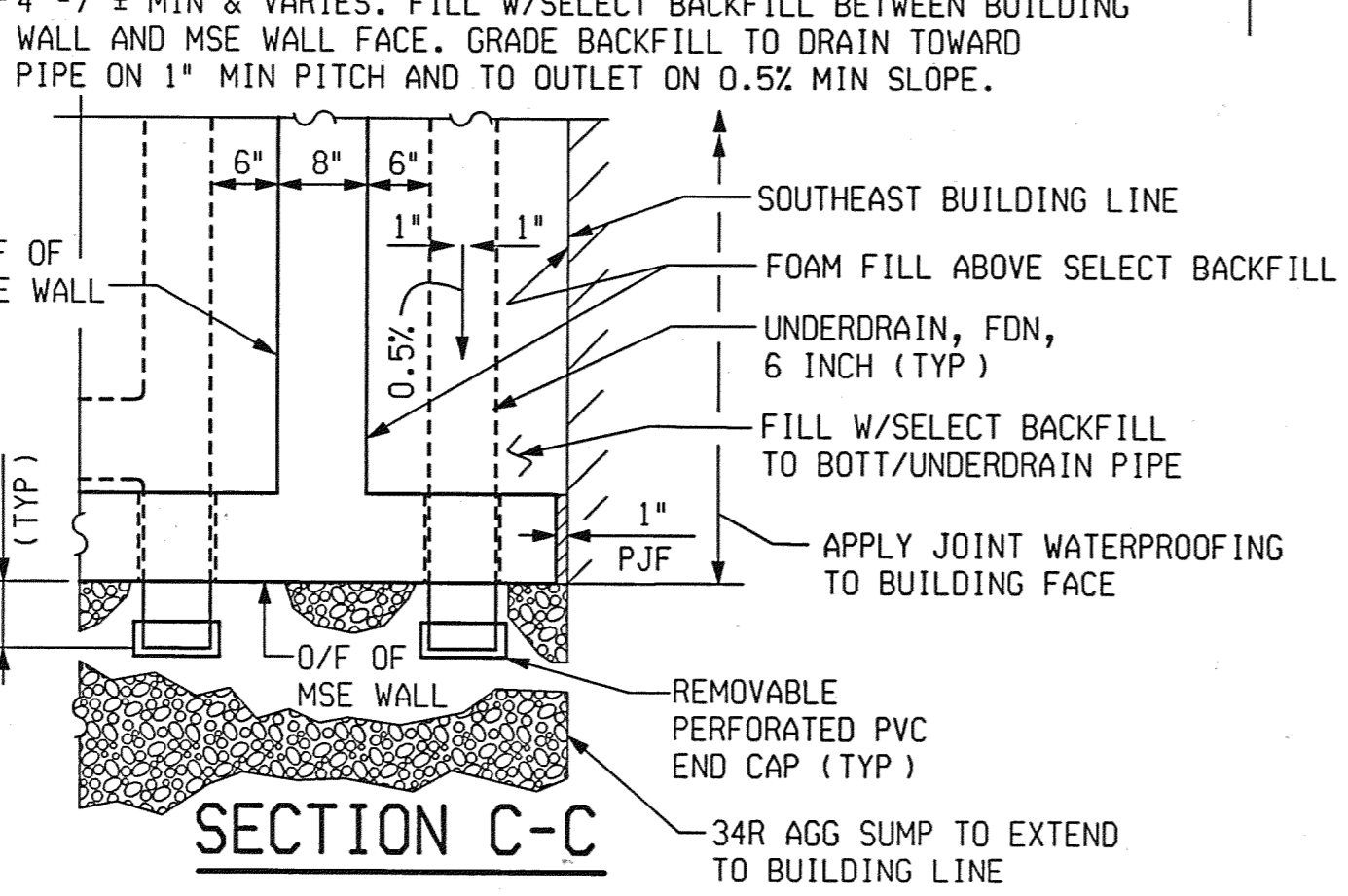
SECTION B-B
(FULL CONCRETE AREA)



END WALL PLAN AT SOUTHEAST QUADRANT



MSE WALL DETAIL
ELEVATION VIEW LOOKING EAST AT CORNER OF SOUTHEAST QUADRANT



SECTION C-C



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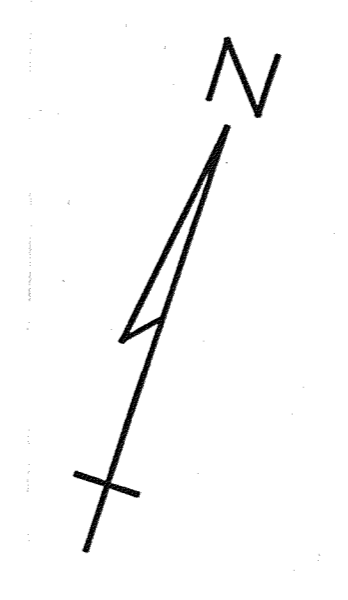
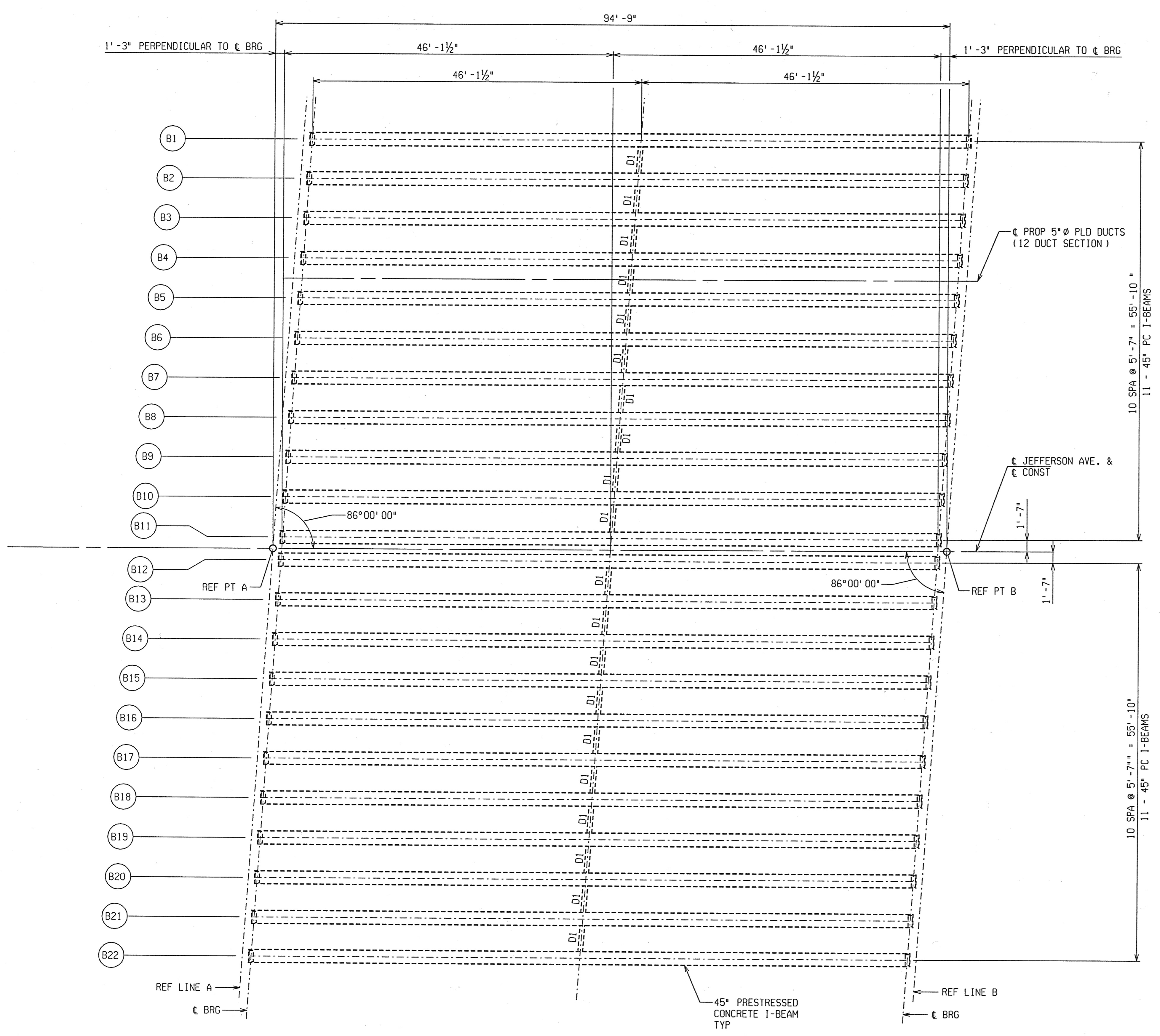
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

ABUTMENT DETAILS JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	68 OF 80

DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 FILE NAME: G:\35458d\Struct\CADD\jeff-ab07.dgn

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REVISIONS			
NO.	DESCRIPTION	DATE	BY



MISCELLANEOUS QUANTITIES		
41	Sft	Bearing, Elastomeric, 2 inch
2046	Ft	Prest Conc I Beam, Furn, 45 inch
2046	Ft	Prest Conc I Beam, Erect, 45 inch

NOTES:

- PRESTRESSING STRANDS SHALL BE 0.6" NOMINAL DIAMETER MEETING THE REQUIREMENTS OF AASHTO M203 (ASTM A416), GRADE 270, LOW RELAXATION STRAND.
- PRESTRESSING STRANDS SHALL BE GIVEN AN INITIAL PRESTRESS OF 44,000 LBS.
- CONCRETE INSERTS SHALL BE 3/4" DIAMETER; RICHMOND, TYPE T2 OR TYPE TL2F; DAYTON SUPERIOR, TYPE B-1 HEAVY OR TYPE B-18; WILLIAMS, TYPE C 12 OR TYPE C-19; MEADOW STEEL, TYPE CT-2 OR TYPE CX-4; OR EQUAL. INSERTS SHALL BE CAST WITH THE BEAMS. FIELD INSTALLATION OF INSERTS IS NOT ALLOWED.
- END BLOCKS ARE OPTIONAL.
- TOTAL ESTIMATED CHANGE OF LENGTH OF BOTTOM FLANGE AT TRANSFER OF PRESTRESSED FORCE IS 3/4".
- THE ESTIMATED BEAM CAMBER AT RELEASE IS 2 1/4". THIS CAMBER IS DUE TO PRESTRESSED AND DEAD LOAD OF THE BEAM ONLY AND IS MEASURED IN THE ERECTED POSITION.
- THREADING OF REINFORCEMENT AND INSTALLATION INTO CONCRETE INSERTS IS INCLUDED IN THE BID ITEM "Prest Conc I-Beam, Furn, 45 inch".
- LIFTING DEVICES SHALL BE REMOVED AFTER BEAMS ARE ERECTED. REMOVAL IS INCLUDED IN THE BID ITEM "Prest Conc I-Beam, Erect, 45 inch".
- POSITION DOWELS SHALL BE HOT-DIP GALVANIZED ACCORDING TO AASHTO M232. POSITION DOWELS ARE INCLUDED IN PAYMENT FOR PRESTRESSED CONCRETE BEAMS.
- BEAMS IN SPAN 1 MAY BE LATERALLY UNSTABLE. PRECAUTIONS SHALL BE TAKEN TO INSURE THAT BEAMS ARE NOT DAMAGED DURING HANDLING AND TRANSPORTATION.

ERECTION DIAGRAM



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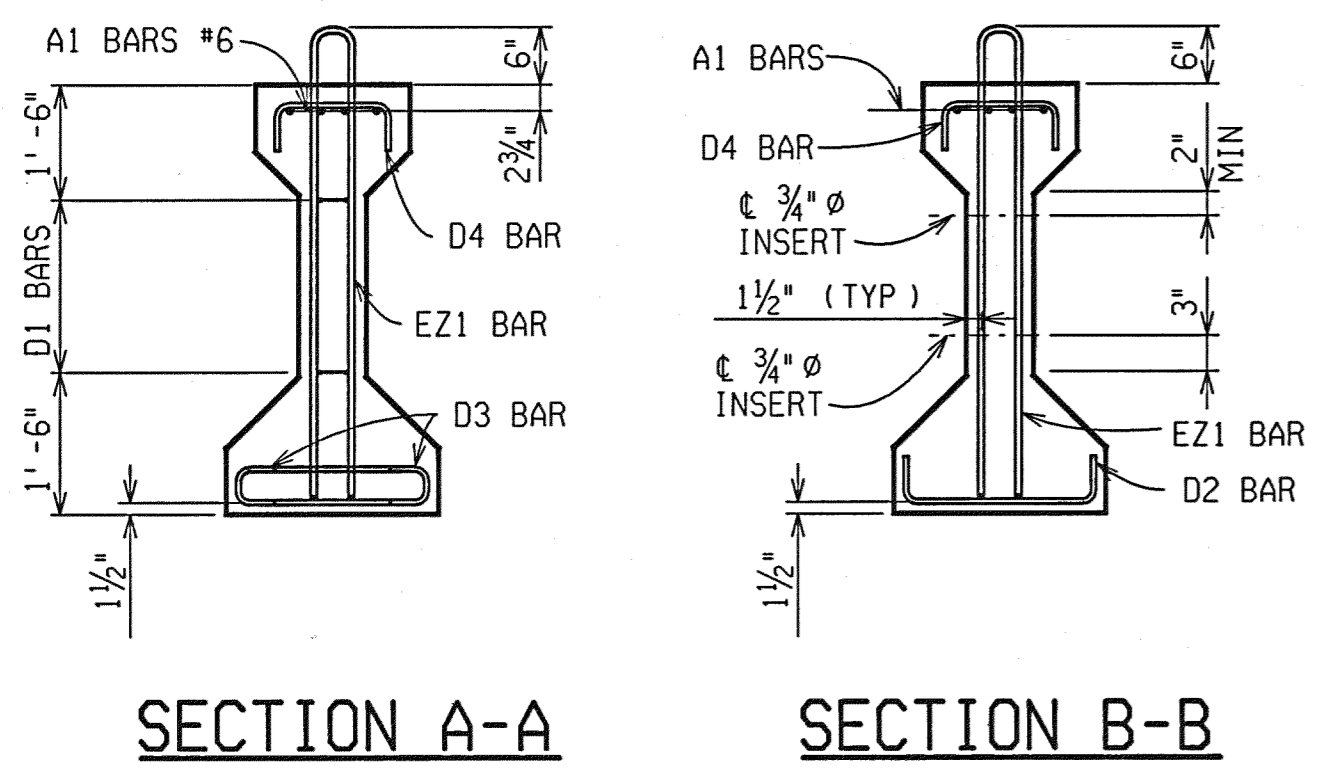
PRESTRESSED CONCRETE I-BEAM DETAILS				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	69 OF 80

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NO.	DESCRIPTION	DATE	BY



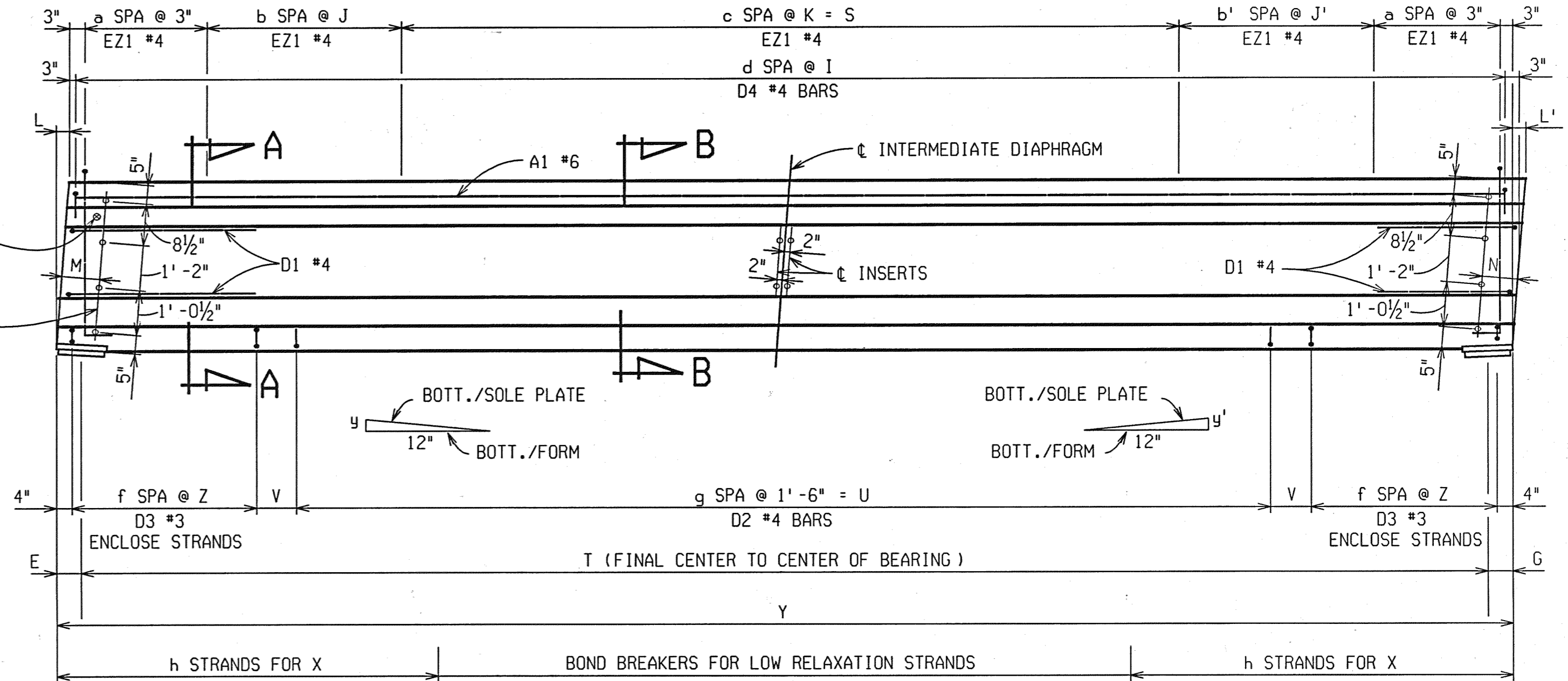
BAR DIMENSIONS		
BAR	DIM.	BEAM TYPE
A1*6	A	Y-3"
D1*4	A	4'-9"
D2*4	B	3 1/2"
D3*3	A	5"
D4*4	B	1'-7 1/2"
EZ1*4	A	1'-4"
EZ1*4	B	5 1/2"
EZ1*4	A	1'-0"
EZ1*4	B	4'-1 1/2"
EZ1*4	A	4'-1 1/2"
EZ1*4	B	4 3/4"

BEAM DIMENSIONS	
SPAN	1
TYPE	III
NO. REQ.	22
a	6
b	3
b'	3
c	68
d	74
E	4 1/2"
f	5
g	53
G	4 1/2"
I	1'-3"
J	9"
J'	9"
K	1'-3"
L	0
L'	0
M	9"
N	9"
P	OPTIONAL
S	85'-0"
T	92'-3"
U	79'-6"
V	1'-5"
Y	93'-0"
Z	1'-0"

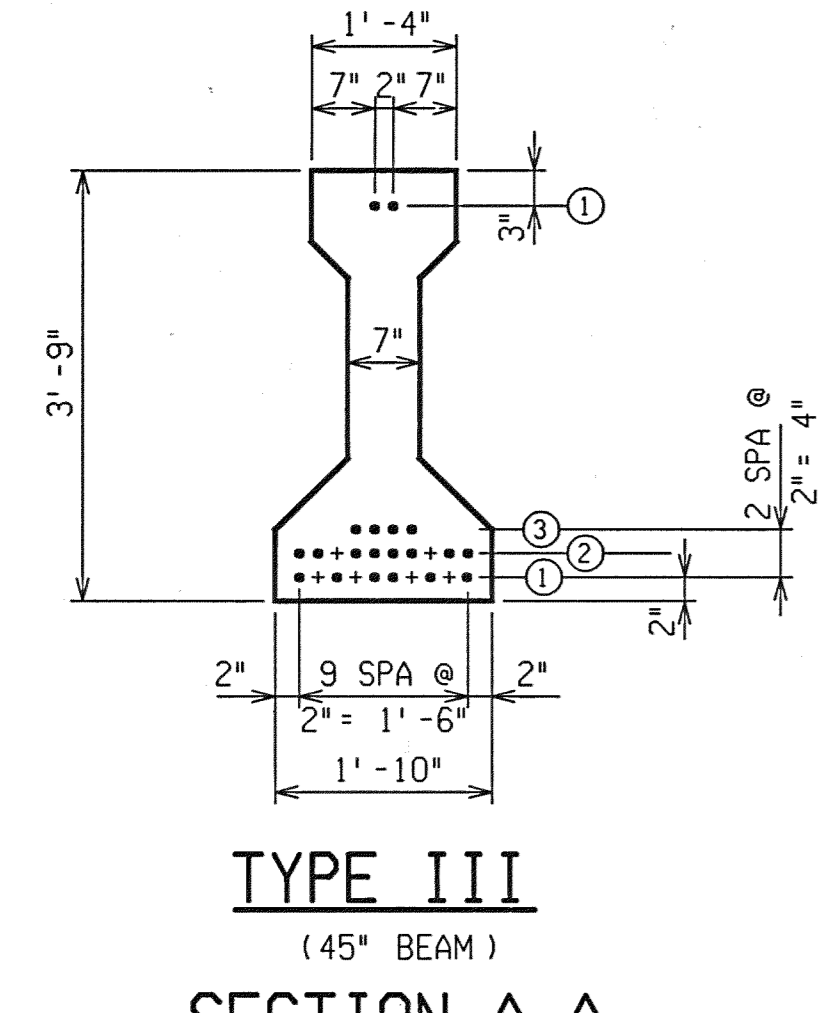
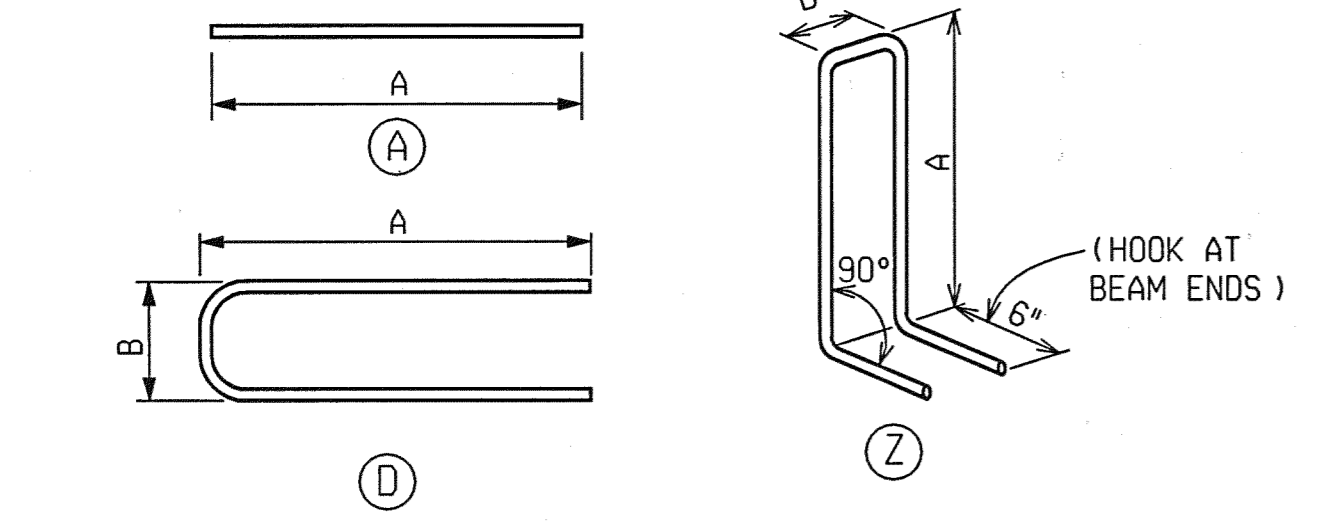
BOND BREAKERS			
SPAN	ROW	h	X
1	1	2	8'-0"
	1	2	18'-0"
	2	2	2'-0"

SOLE PLATE TILT TABLE	
SPAN 1	
ABUT A	ABUT B
y	y'
0	0

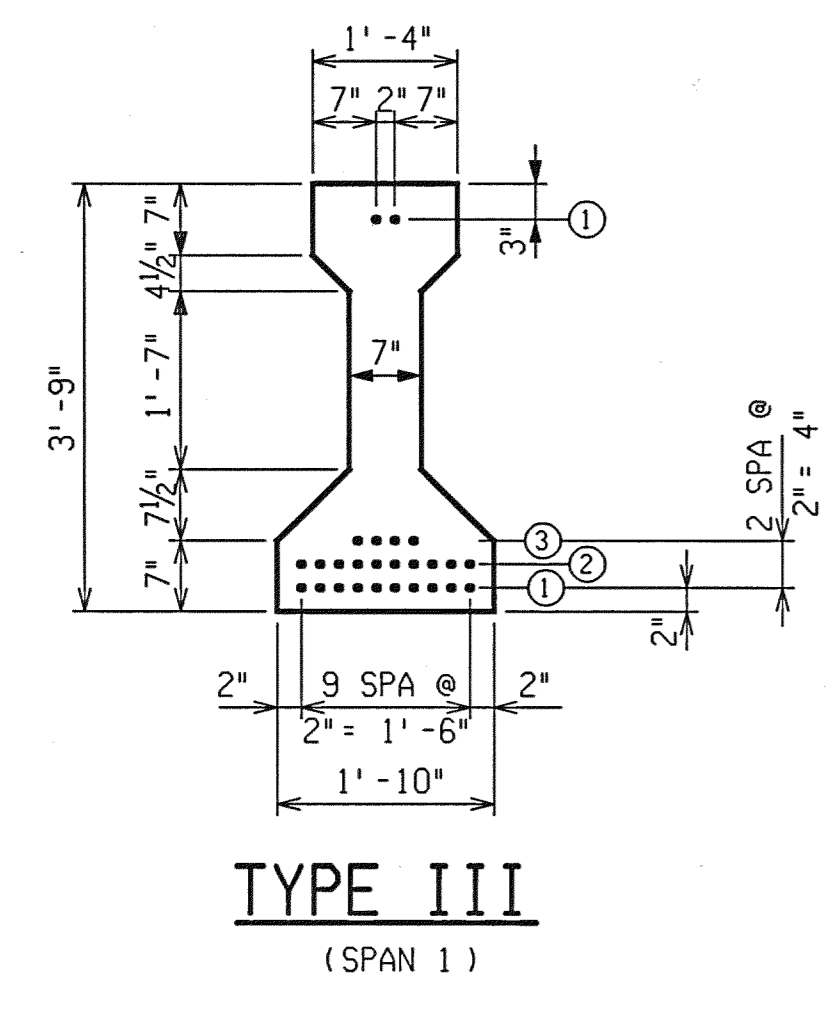
*y" AND "y'" ARE TYPICAL ALL BEAMS.



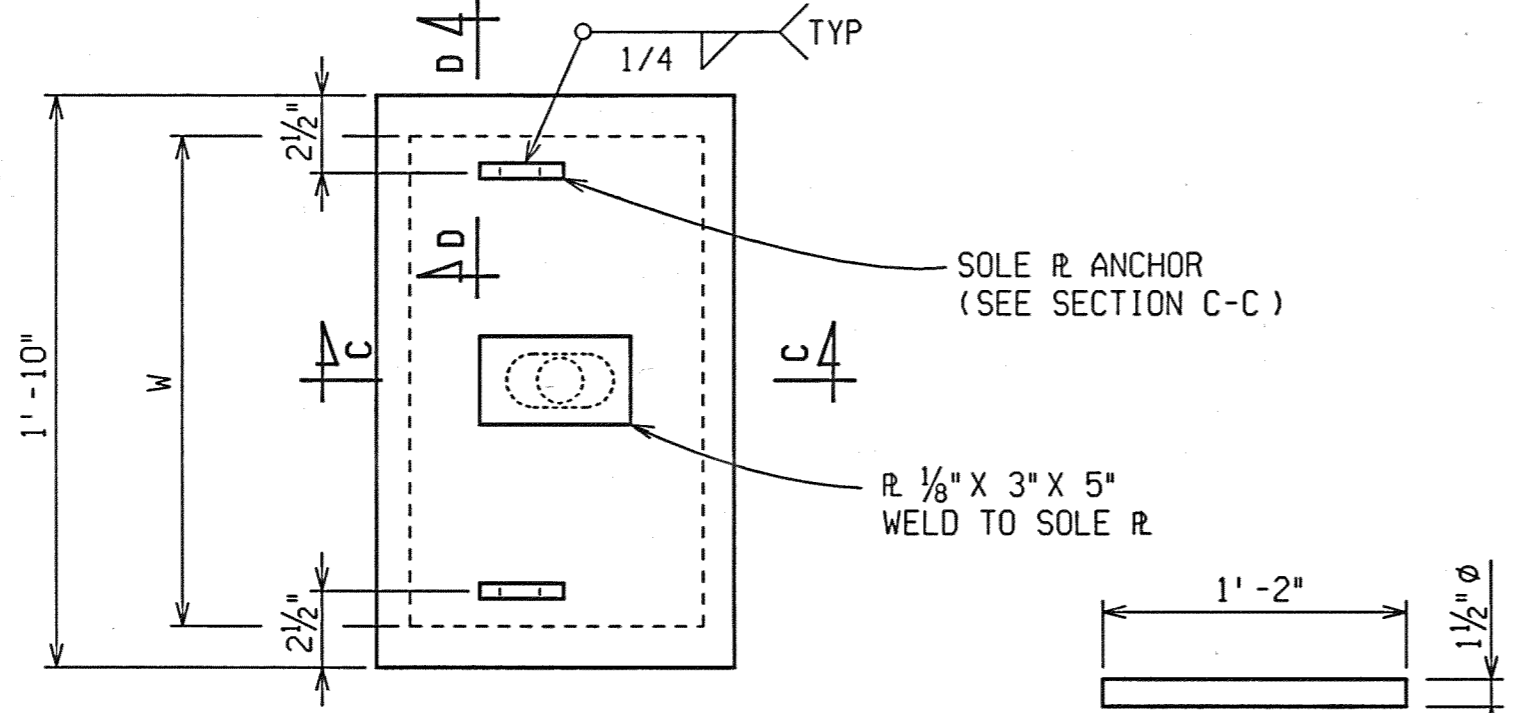
ELEVATION
L AND L' SHOWN ARE POSITIVE



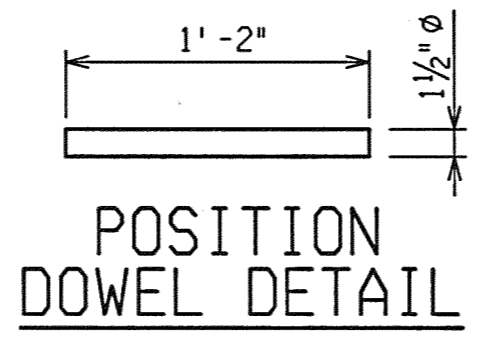
SECTION A-A
SHOWING STRAND ARRANGEMENT AT END FACE
● LOW RELAXATION STRAND LOCATION
+ DEBONDED STRAND FOR LOW RELAXATION STRAND



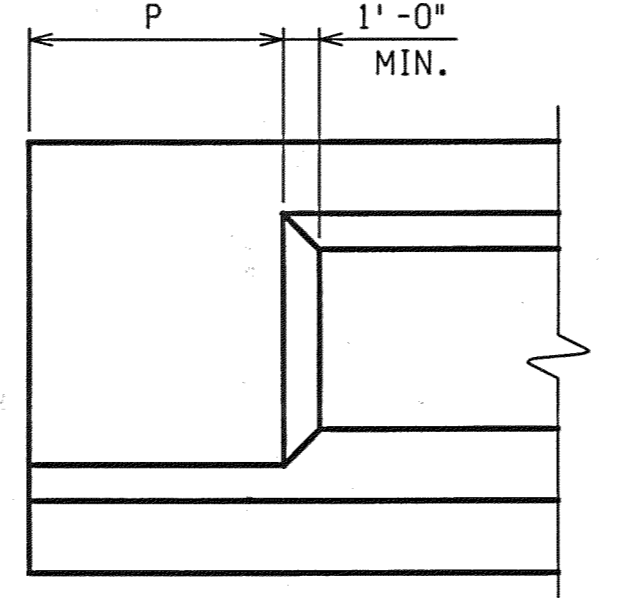
SECTION B-B
SHOWING STRAND ARRANGEMENT AT MIDSPAN
● LOW RELAXATION STRAND LOCATION



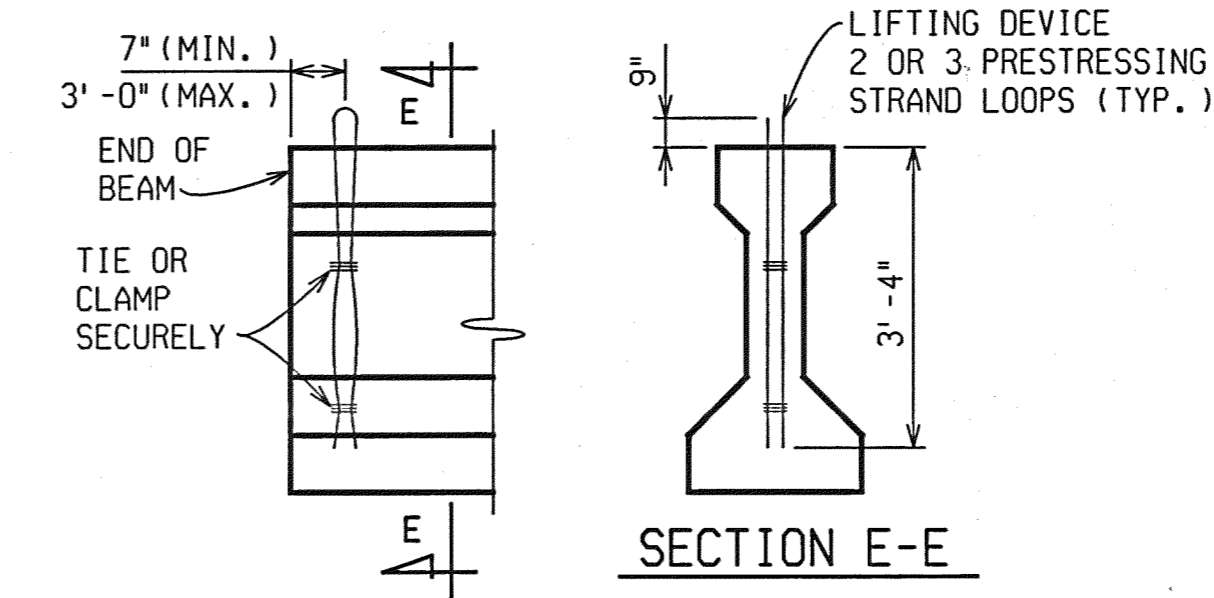
PLAN BEARING DETAILS



POSITION DOWEL DETAIL

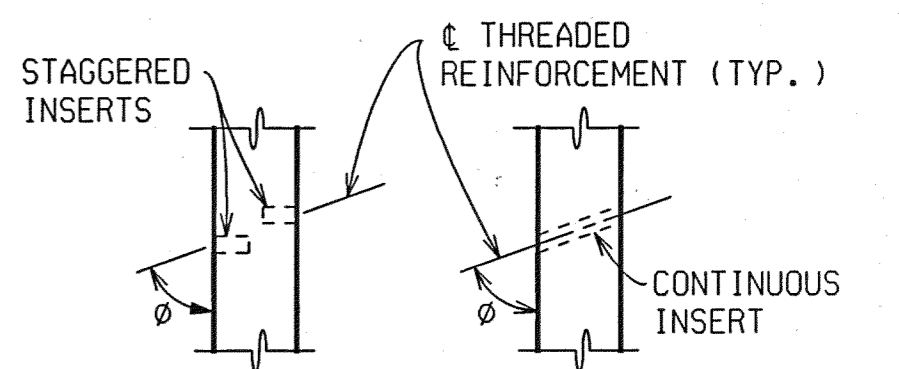


END BLOCK DETAIL
MAXIMUM LENGTH "P" FOR OPTIONAL END BLOCK IS 3'-0"



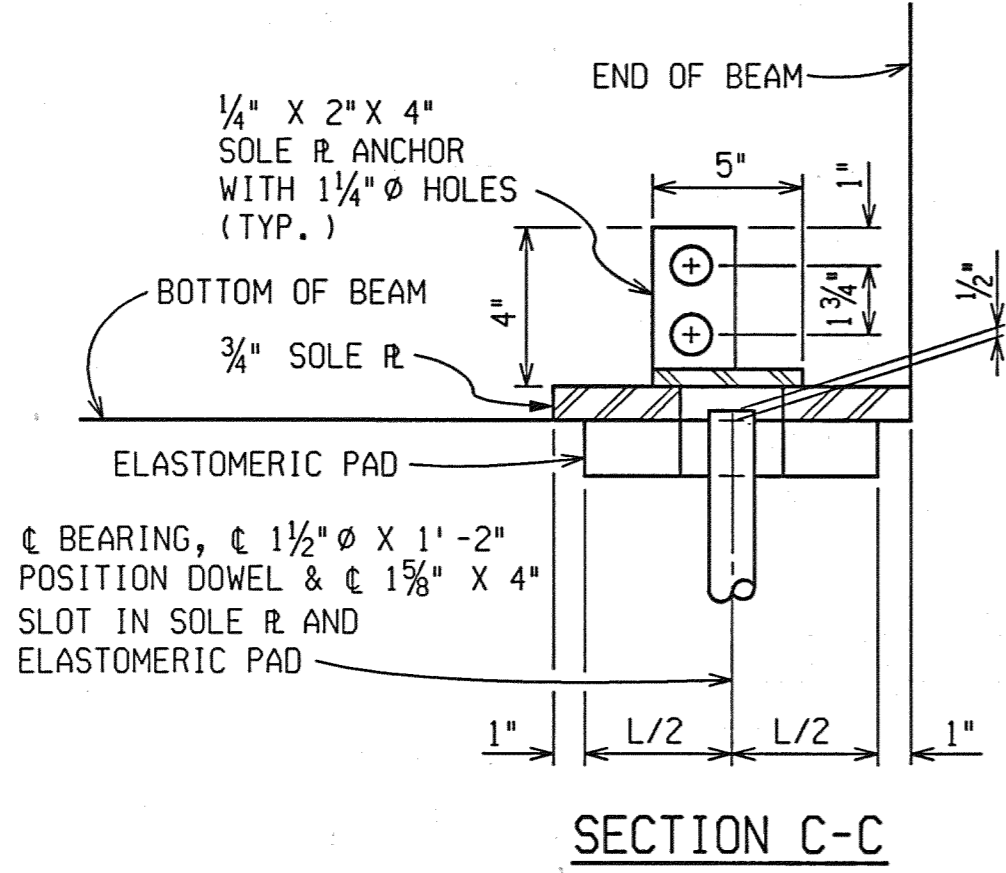
LIFTING DEVICE

PRESTRESSING STRAND LIFT DEVICE CAPACITY		
STRAND SIZE	NO. OF STRANDS	ALLOWABLE BEAM WT.
3/8"	2	20 TONS
7/16"	2	27 TONS
1/2"	2	36 TONS
3/8"	3	30 TONS
7/16"	3	40.5 TONS
1/2"	3	54 TONS

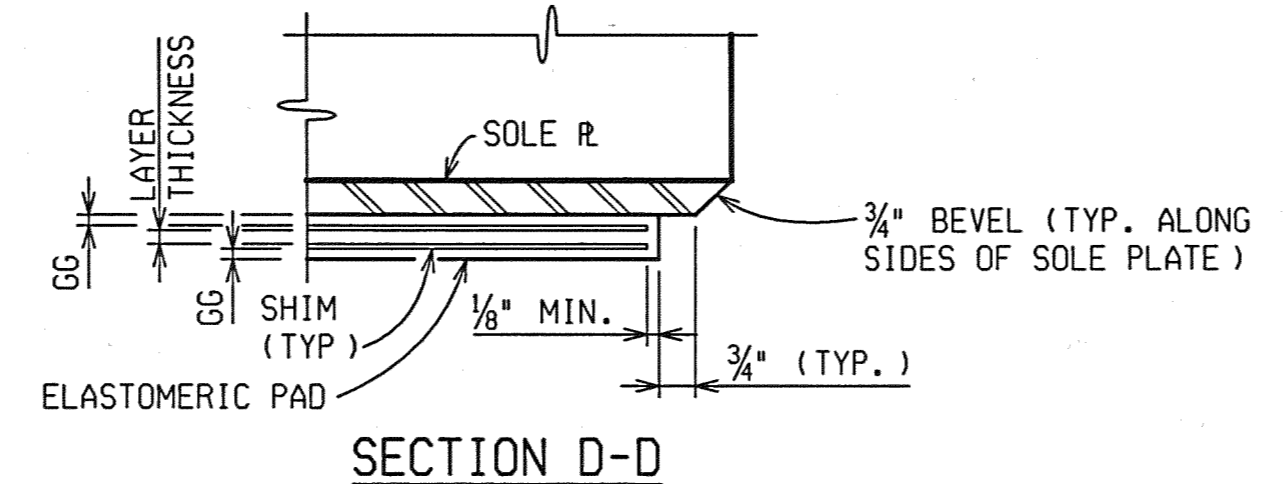


CONCRETE INSERT DETAILS

CONCRETE INSERTS AT ENDS OF BEAM SHALL BE STAGGERED AND AT MIDSPAN MAY BE CONTINUOUS OR STAGGERED. THREADED REINFORCEMENT FOR STAGGERED INSERTS SHALL BE BENT TO THE REQUIRED ϕ ANGLE PRIOR TO INSTALLATION. BENT REINFORCEMENT MAY REQUIRE INSTALLATION BEFORE BEAM IS ERRECTED. OMIT INSERTS ON OUTSIDE OF FASCIA BEAMS EXCEPT AT ABUTMENTS WITH DEPENDENT BACKWALLS.



SECTION C-C



SECTION D-D

SPAN	TYPE	STRAND LOCATION TABLE										TOTAL NUMBER	REQUIRED CONCRETE COMPRESSIVE STRENGTH (PSI)							
		MIDSPAN (SECTION B-B)					END FACE (SECTION A-A)						28 DAY	AT RELEASE						
		BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP													
1	III	10	10	4	0	0	2	0	0	10	10	4	0	0	2	0	0	26	7000	5500

ELASTOMERIC PAD AND SHIM DIMENSIONS	SPAN 1	
	ABUT A	ABUT B
NOMINAL THICKNESS (L) PARALLEL TO BEAM	2"	2"
(W) PERPENDIC. TO BEAM	7"	7"
GG	3/16"	3/16"
LAYER	4 @ 1/4"	4 @ 1/4"
SHIMS	5 @ 1/8"	5 @ 1/8"

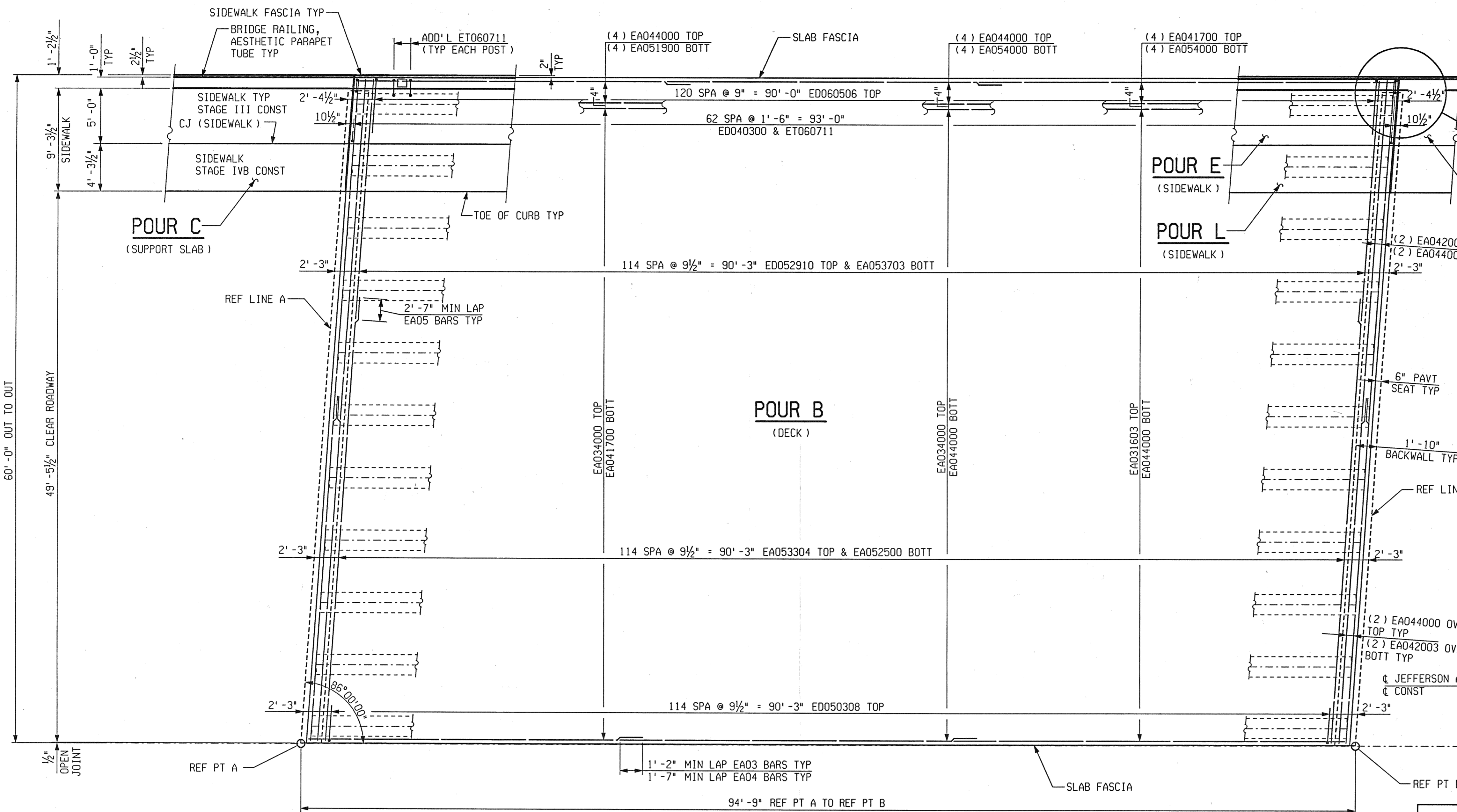


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PRESTRESSED CONCRETE I-BEAM DETAILS JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	70 OF 80

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



POUR A BACKWALL & DIAPHRAGMS
STAGE III CONST

REVISIONS			
NO.	DESCRIPTION	DATE	BY

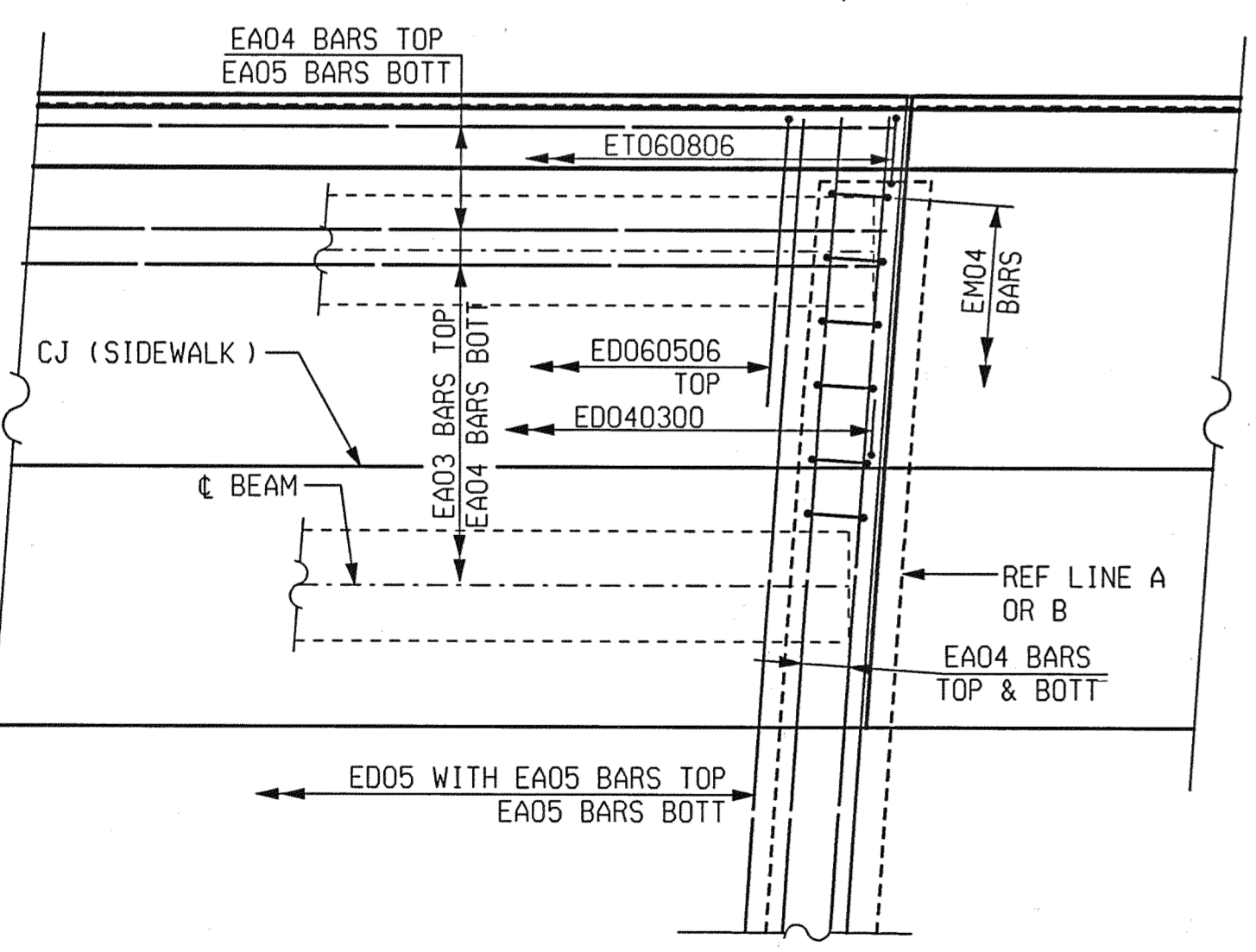
MISCELLANEOUS QUANTITIES		
342	Cyd	Superstructure Conc, Night Casting
186	Cyd	Superstructure Conc
5	Cyd	Conc, Grade D
1	LS	Superstructure Conc, Form, Finish, and Cure (S01 of 82-22-02)
1	LS	Superstructure Conc, Form, Finish, and Cure, Night Casting (S01 of 82-22-02)
342	Cyd	Bridge Ltg, Oper and Maintain
1	LS	Bridge Ltg, Furn and Rem (S01 of 82-22-02)
231	Ft	Bridge Railing, Aesthetic Parapet Tube
360	Sft	Joint Waterproofing
141	Ea	Reinforcement, Mechanical Splice
141	Ea	Adhesive Anchoring of Vertical Bar, 1/2 inch

PLAN OF DECK STAGE-III & IVB

NOTES:

I/F DENOTES INSIDE FACE
 O/F DENOTES OUTSIDE FACE
 EJWP DENOTES JOINT WATERPROOFING, EXPANSION.
 JWP DENOTES JOINT WATERPROOFING.
 FOR DETAILS OF NAME PLATES, MOLDING AND BEVELS, SEE STANDARD PLAN B-103 SERIES.
 ALPHABETICAL DESIGNATION OF DECK POURS IS NOT TO BE CONSTRUED AS A POUR SEQUENCE.
 LOW TEMPERATURE PROTECTION OF CONCRETE SHALL BE APPLIED ACCORDING TO SECTION 706.03 J OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. LOW TEMPERATURE PROTECTION OF CONCRETE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE BID ITEMS "Superstructure Conc, Night Casting" AND "Superstructure Conc".
 DO NOT POUR DECK CONCRETE UNTIL DIAPHRAGM CONCRETE ATTAINS A COMPRESSIVE STRENGTH OF 3000 PSI.
 THE DECK POURS ARE DESIGNATED AS NIGHT POURS AND THEREFORE SUBJECT TO THE RESTRICTIONS OF SECTION 706.03 I OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 THE CONTRACTOR MAY USE METAL STAY IN PLACE FORMS. IF USED, ELIMINATING THE POLYSTYRENE AND FILLING THE CORRUGATIONS WITH CONCRETE IS PROHIBITED.
 FOR NAME PLATE LOCATION, SEE GENERAL PLAN OF STRUCTURE SHEET.

SLIP FORMING OF BRIDGE RAILING, AESTHETIC PARAPET TUBE WILL NOT BE ALLOWED.
 THE CONTRACTOR IS TO PROVIDE A SAWED JOINT 1/2" DEEP BY 1/2" WIDE (MINIMUM) IN THE TOP OF SLAB AT TRANSVERSE CONSTRUCTION JOINT. THE JOINT IS TO BE SAWED WITHIN 4 HOURS OF REMOVING THE CURING AND IS TO BE FILLED WITH HOT-POURED JOINT SEALANT OR COLD-APPLIED JOINT SEALANT, SINGLE COMPONENT TYPE IN ACCORDANCE WITH STANDARD SPECIFICATION SUBSECTION 914.04. INCLUDED IN THE BID ITEM "Superstructure Conc, Form, Finish, and Cure, Night Casting".
 POUR APPROACH SLABS FROM EXPANSION LOCATION TOWARD REFERENCE LINE.
 SEE STANDARD PLAN B-25 SERIES FOR RAILING DETAILS NOT SHOWN.
 POST SPACING MEASURED ALONG INSIDE FACE OF BRIDGE RAILING.
 "EDGE" OR "GROOVE" DENOTES EDGING OR GROOVING WITH AN APPROVED TOOL.



TYPICAL CORNER DETAIL
SHOWING SIDEWALK

STAGE-III & IVB

SUPERSTRUCTURE CONC, NIGHT CAST		SUPERSTRUCTURE CONC	
POUR	CUBIC YARDS	POUR	CUBIC YARDS
B	171.0	A	29.2
		C	10.9
		D	10.6
		E	26.4
		L	15.9



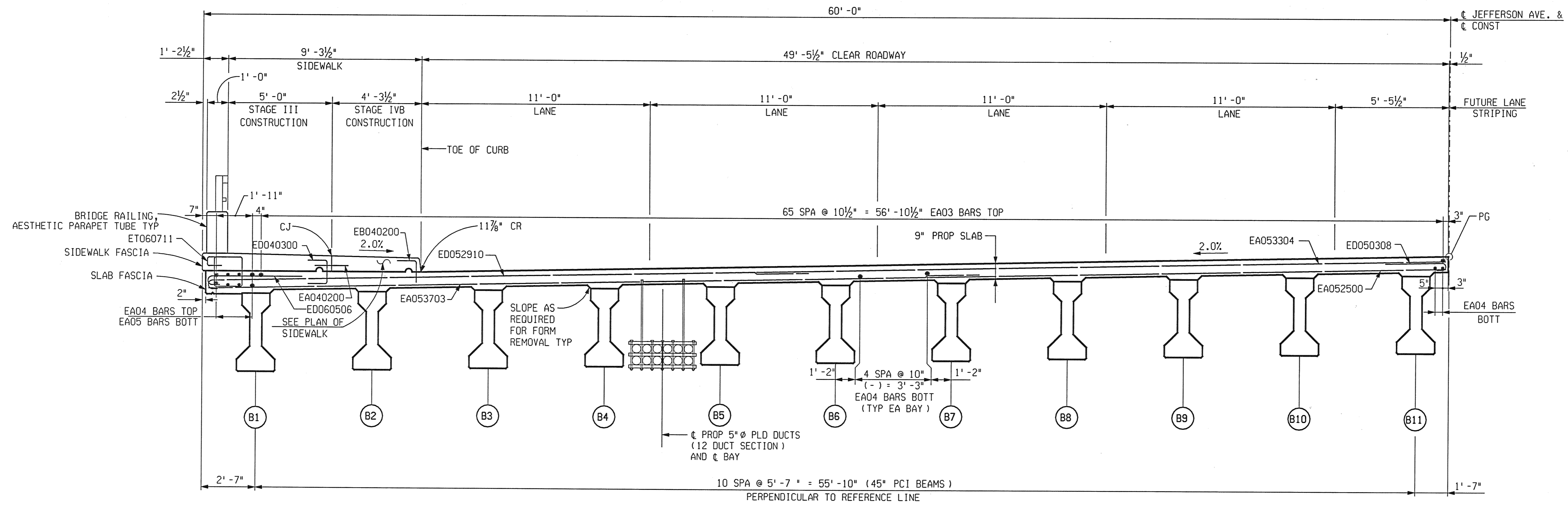
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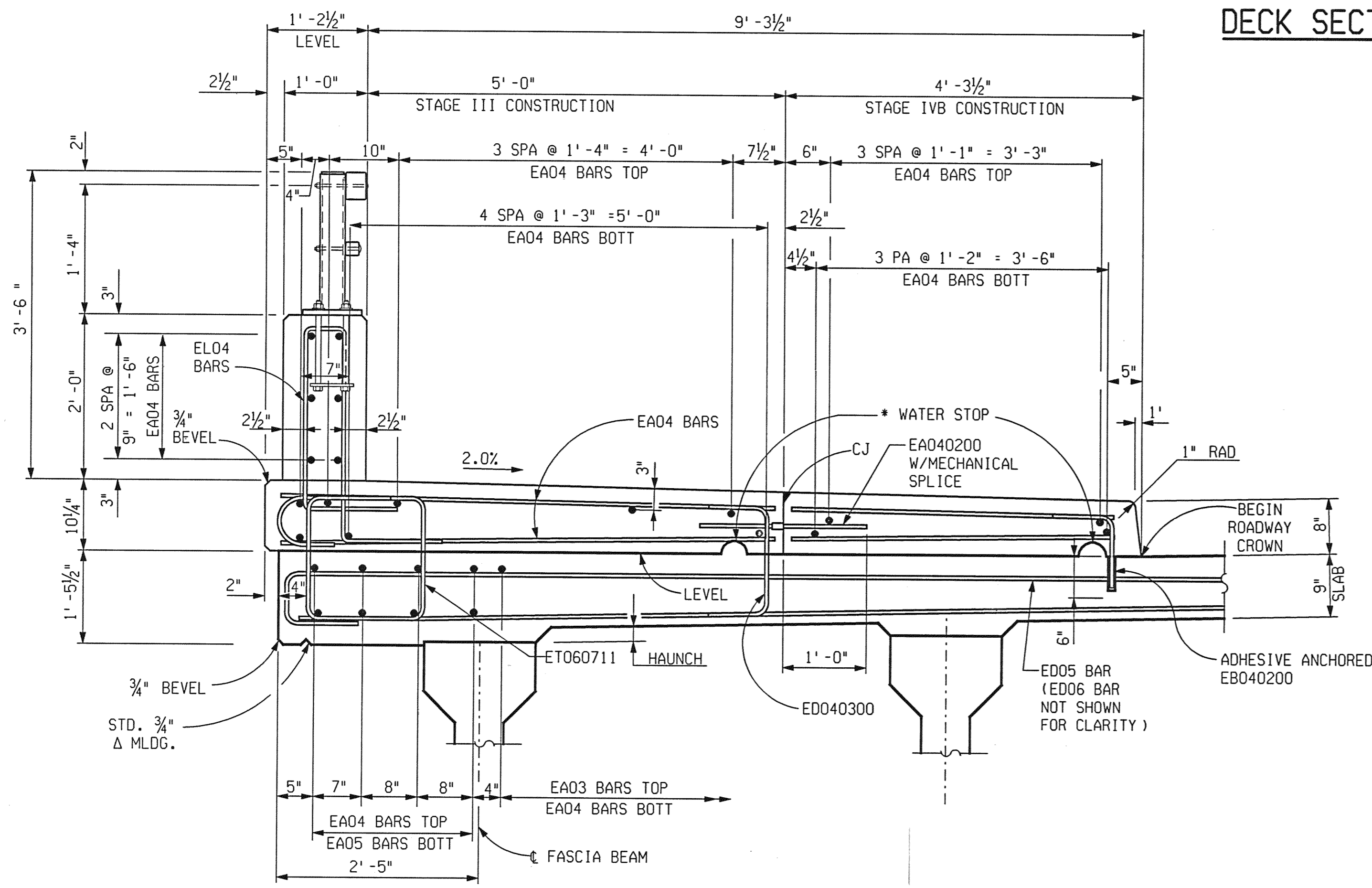
SUPERSTRUCTURE DETAILS				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	71 OF 80

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NO.	DESCRIPTION	DATE	BY



DECK SECTION STAGE III & IVB
LOOKING UPSTATION



BRIDGE RAILING, AESTHETIC PARAPET TUBE TYP
SHOWING NORTH SIDEWALK

* 2" HIGH 4" LONG (±). FORMING NOT REQUIRED.



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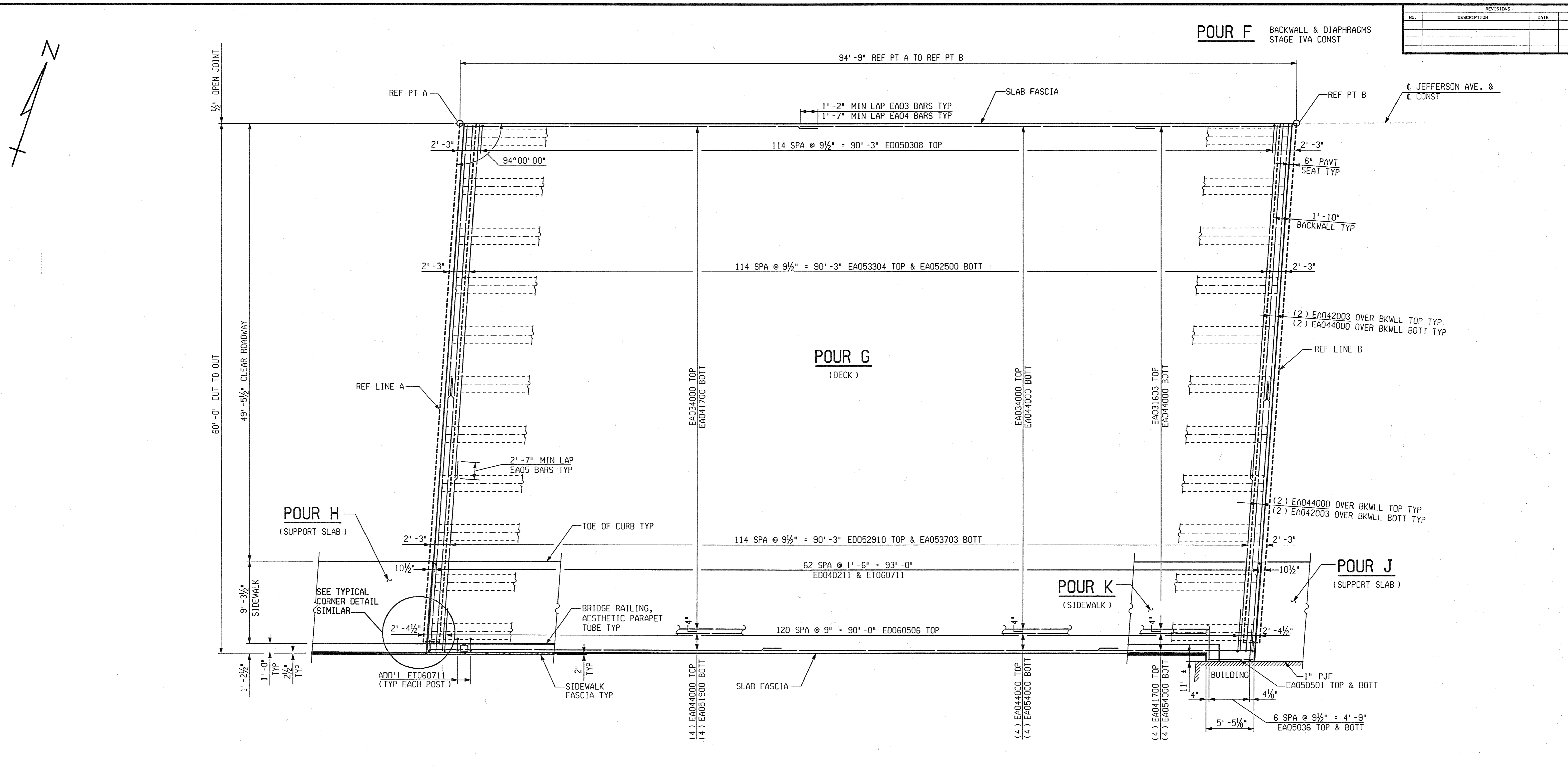
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SUPERSTRUCTURE DETAILS				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	72 OF 80

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

PLAN OF DECK STAGE-IVA

STAGE-IVA

SUPERSTRUCTURE CONC, NIGHT CAST		SUPERSTRUCTURE CONC	
POUR	CUBIC YARDS	POUR	CUBIC YARDS
G	171.0	F	29.2
		H	10.2
		J	11.8
		K	41.8



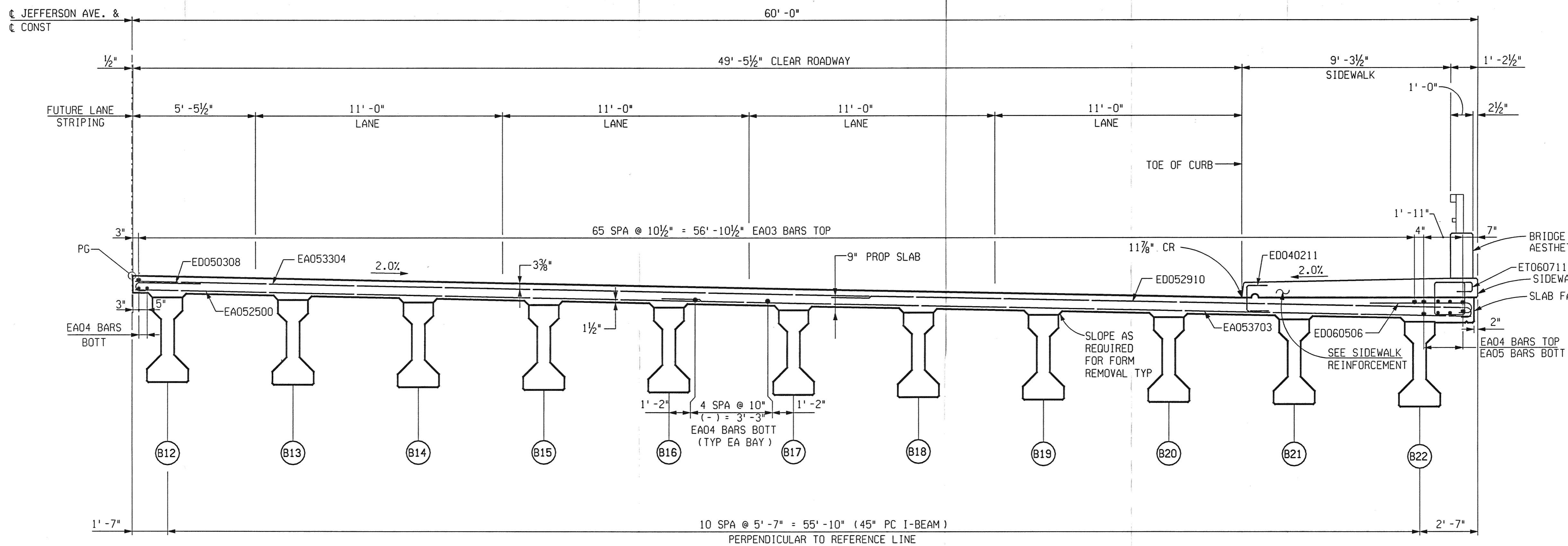
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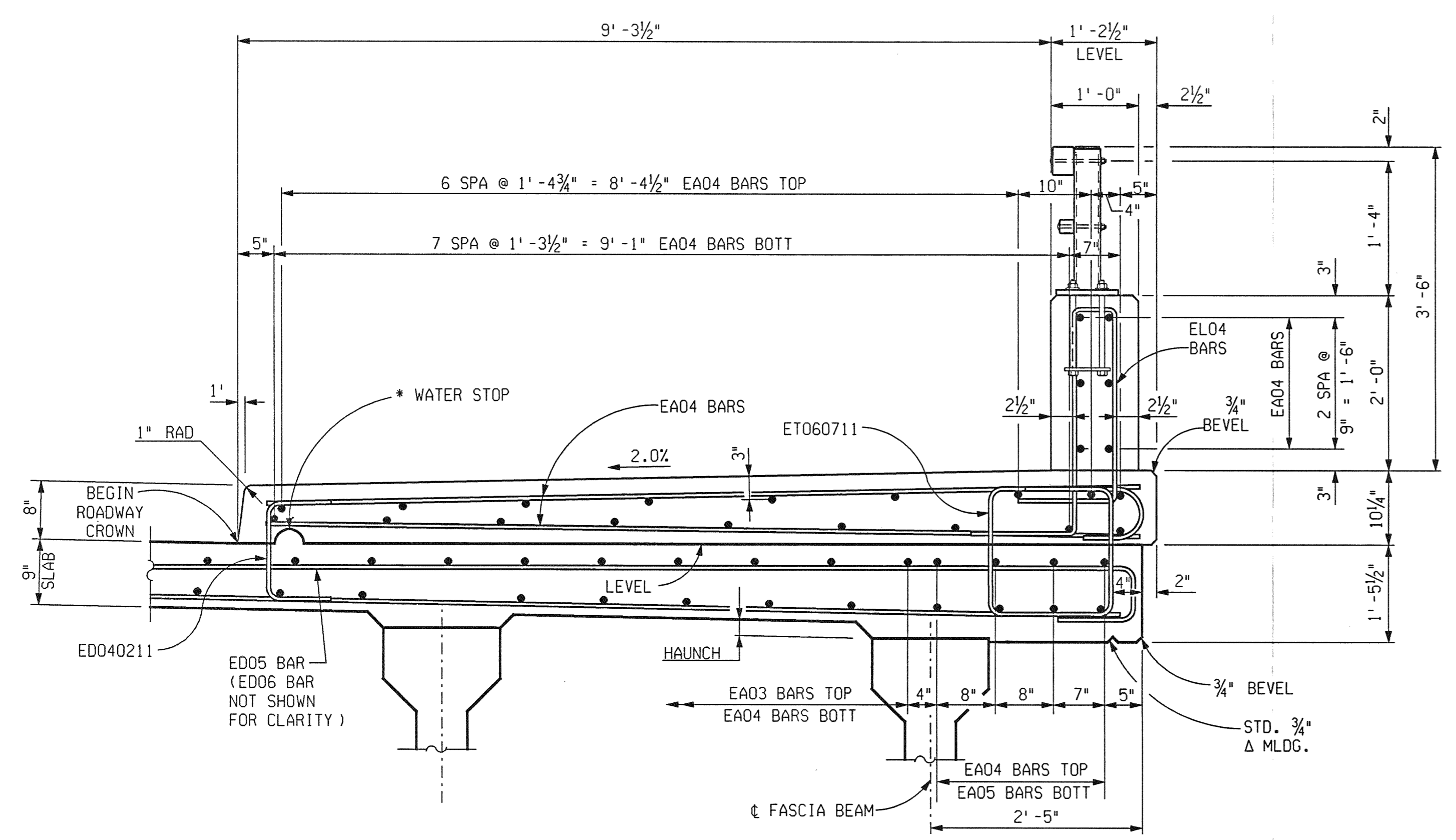
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JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	73 OF 80

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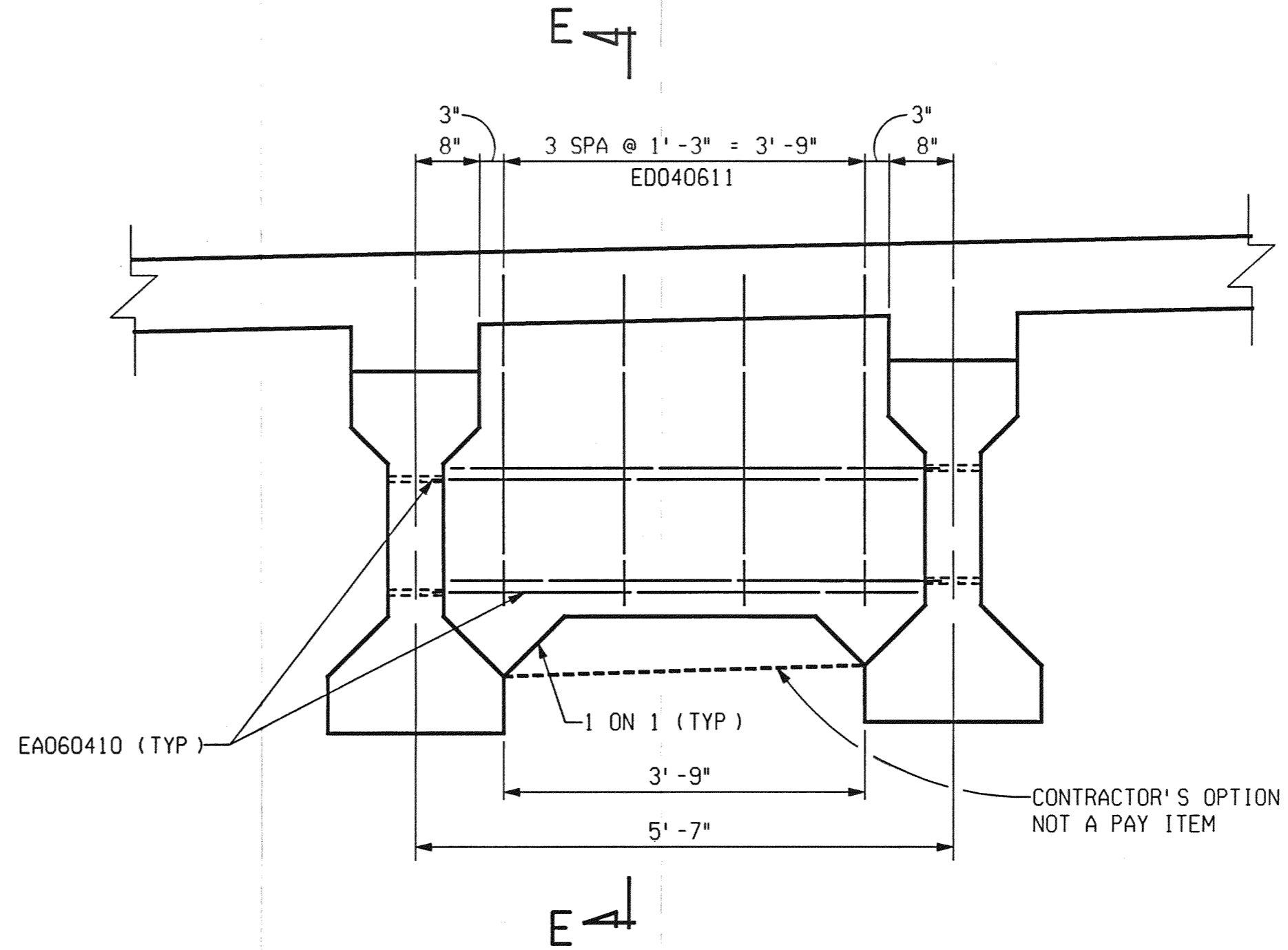
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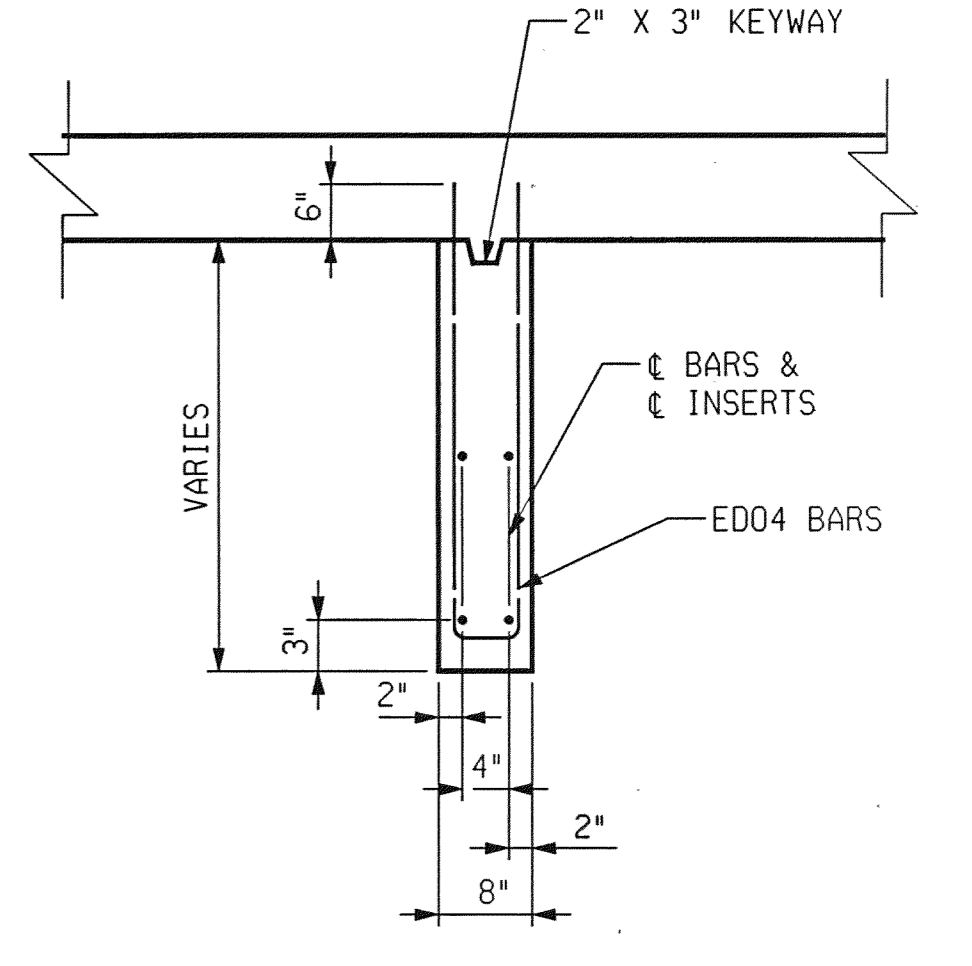
DECK SECTION STAGE IVA
LOOKING UPSTATION



BRIDGE RAILING, AESTHETIC PARAPET TUBE TYP
SHOWING SOUTH SIDEWALK



DIAPHRAGM TYPICAL ELEVATION
LOOKING UP STATION
VIEWED ⊥ BRIDGE CONST



SECTION E-E

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

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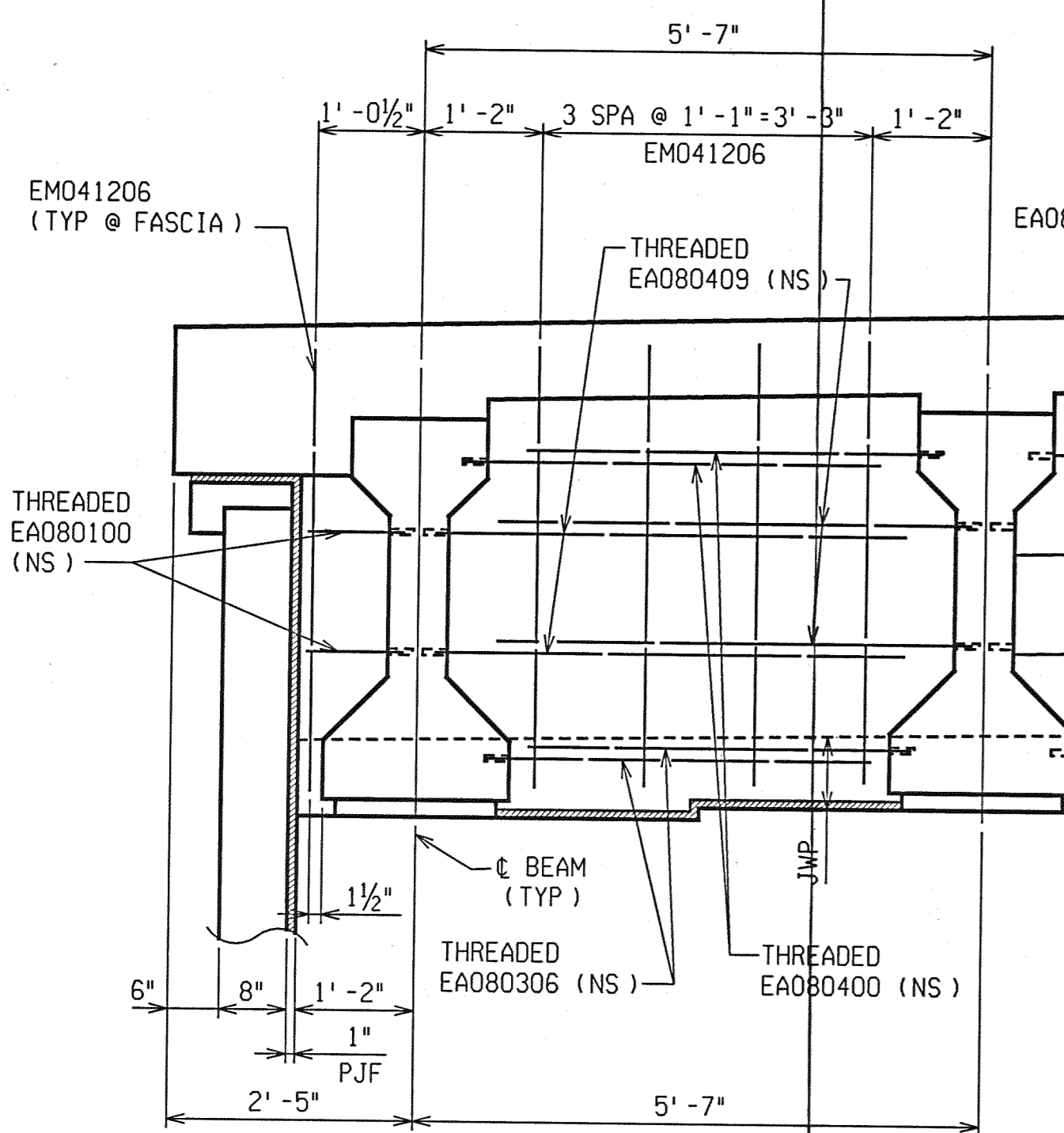


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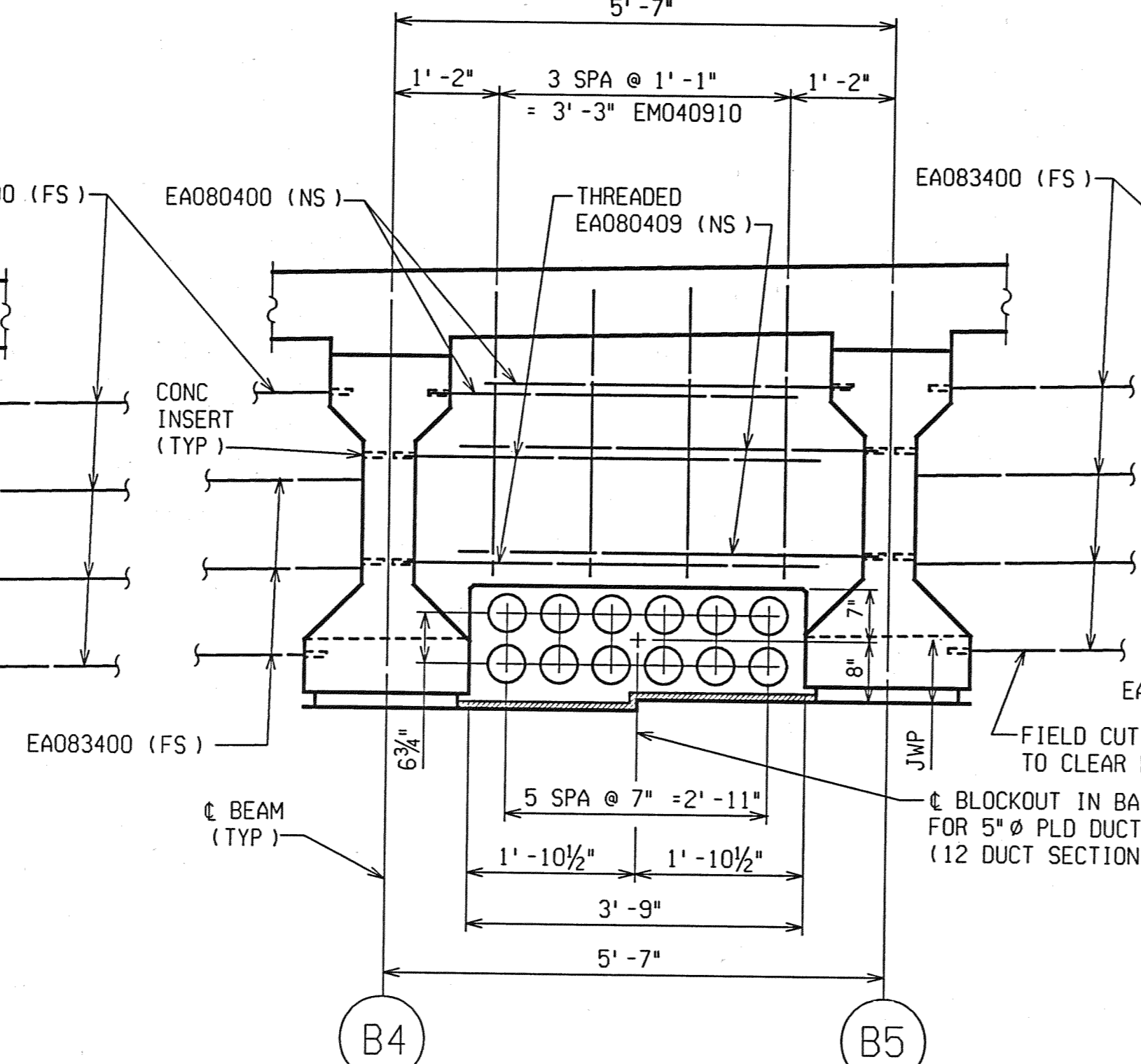
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SUPERSTRUCTURE DETAILS				
JEFFERSON AVE OVER DEQUINDRE CUT				
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	74 OF 80

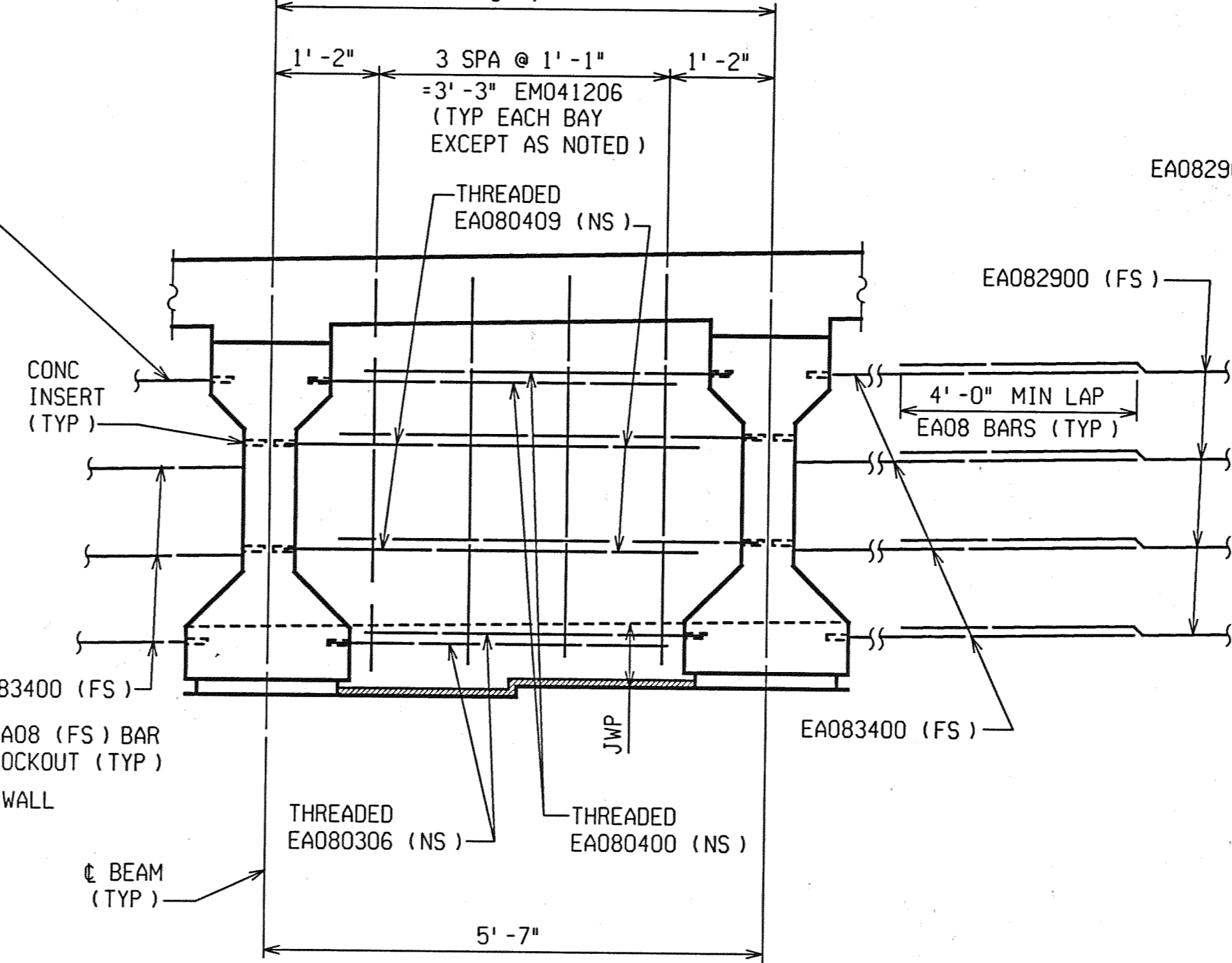
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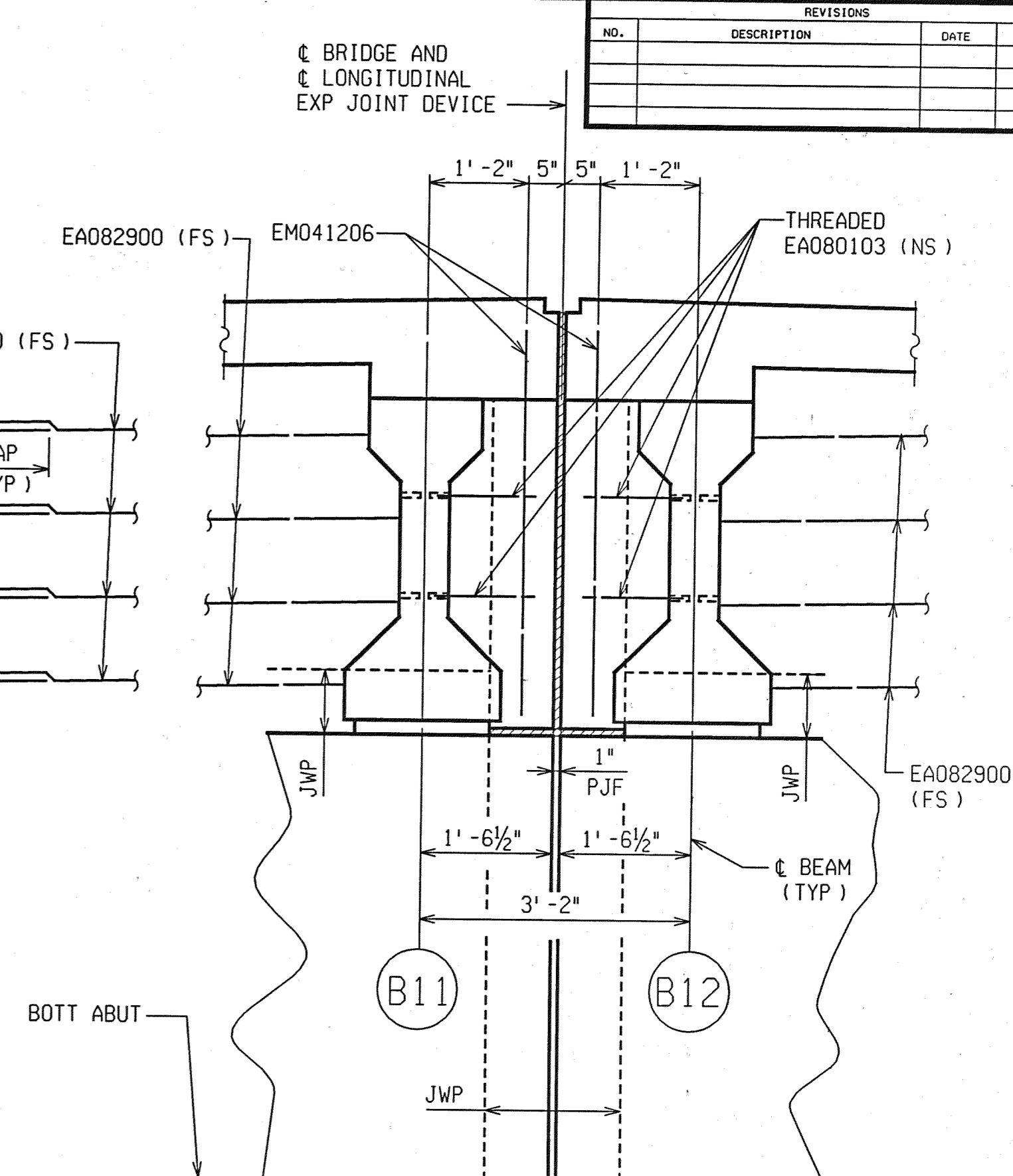
PARTIAL BACKWALL ELEVATION
(TYPICAL AT EXTERIOR FASCIA BAYS)



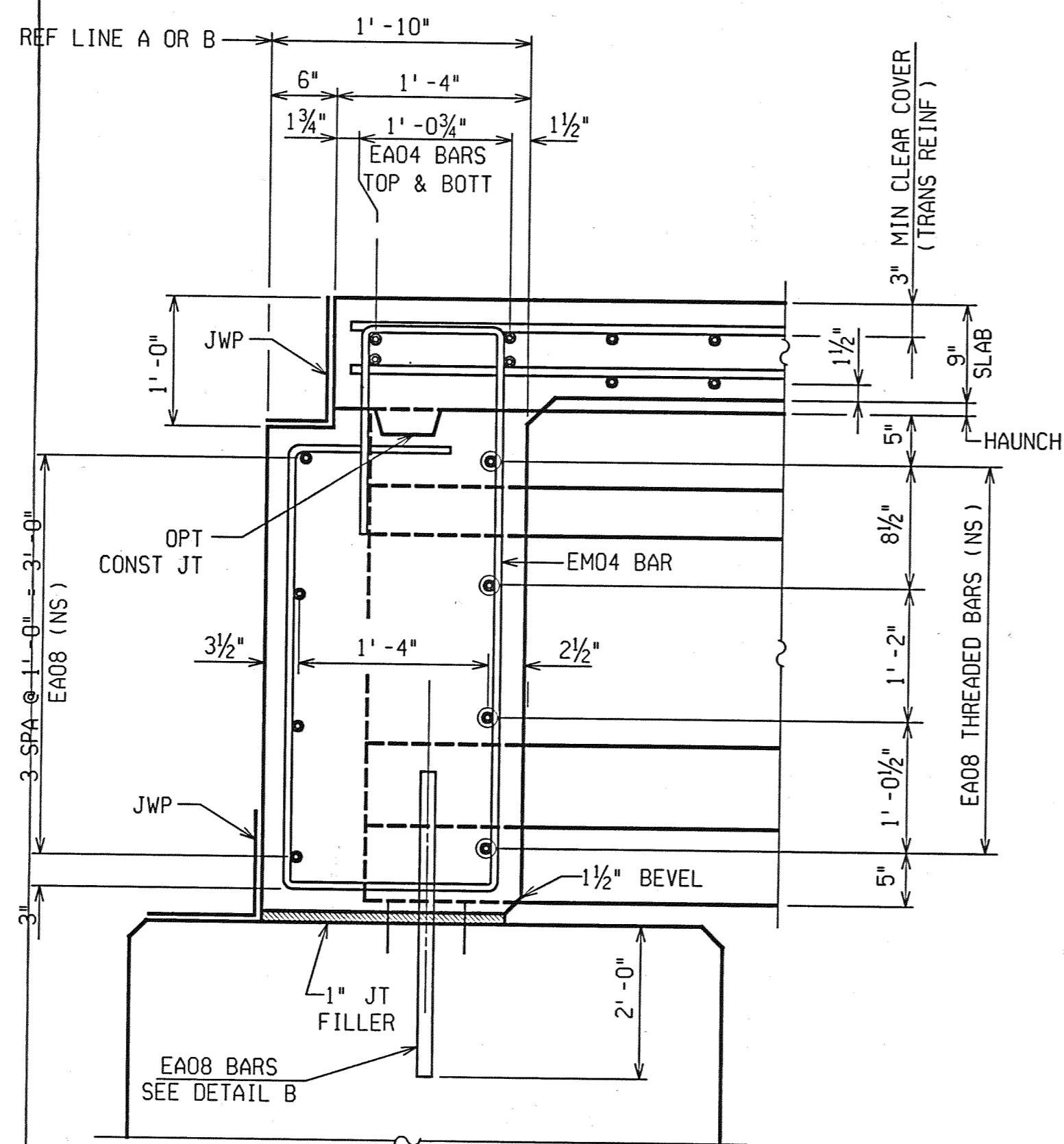
PARTIAL BACKWALL ELEVATION
(TYPICAL AT BAY 4 ONLY)



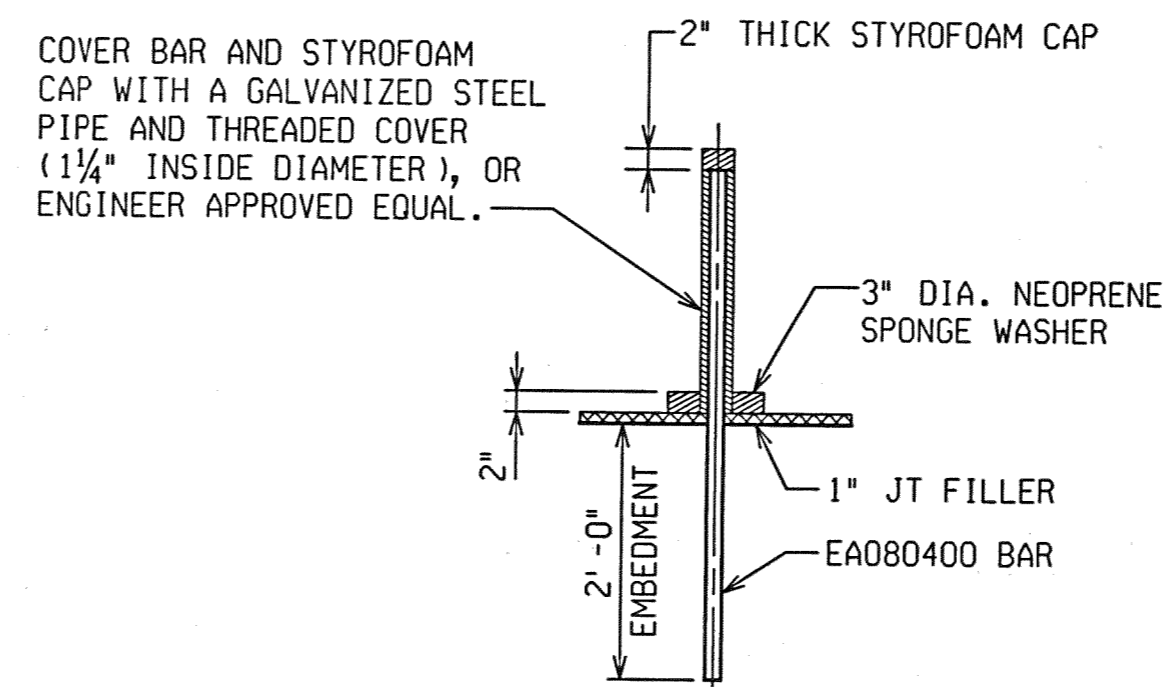
PARTIAL BACKWALL ELEVATION
(TYPICAL AT INTERIOR BAYS)



PARTIAL BACKWALL ELEVATION
(TYPICAL AT INTERIOR FASCIA BAY)



TYPICAL SECTION THRU BACKWALL



DETAIL B

ALL WORK AND MATERIAL FOR THE STYROFOAM CAP, METAL SLEEVE AND NEOPRENE SPONGE WASHER SHALL BE INCLUDED IN THE BID ITEM "SUPERSTRUCTURE CONCRETE, NIGHT CASTING."

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BRIDGE AND LONGITUDINAL EXP JOINT DEVICE

2/18/04 PM

CHECKED BY: RJO DATE: 2/10/2005

DRAWN BY: DCP DATE: 2/10/2005

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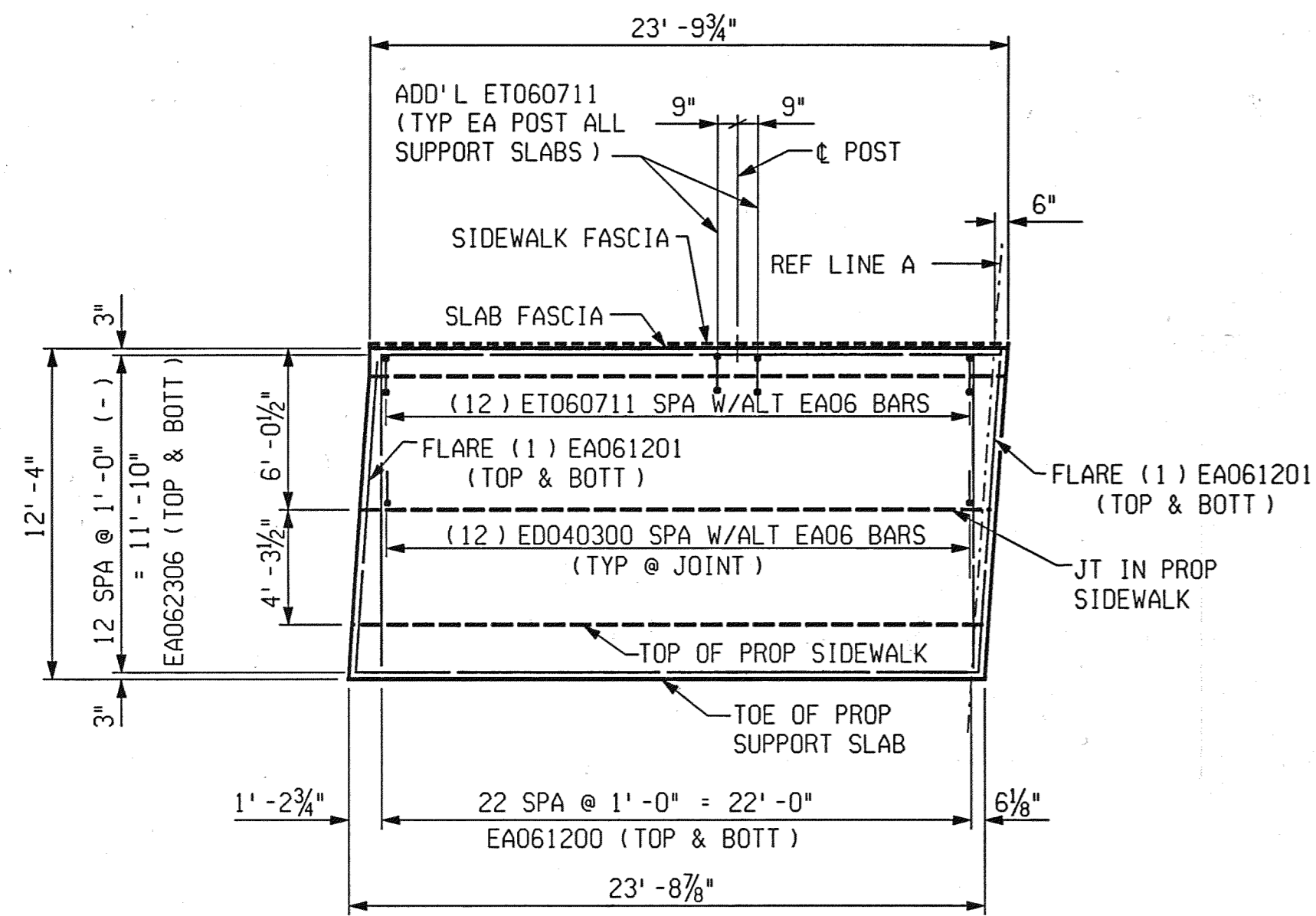
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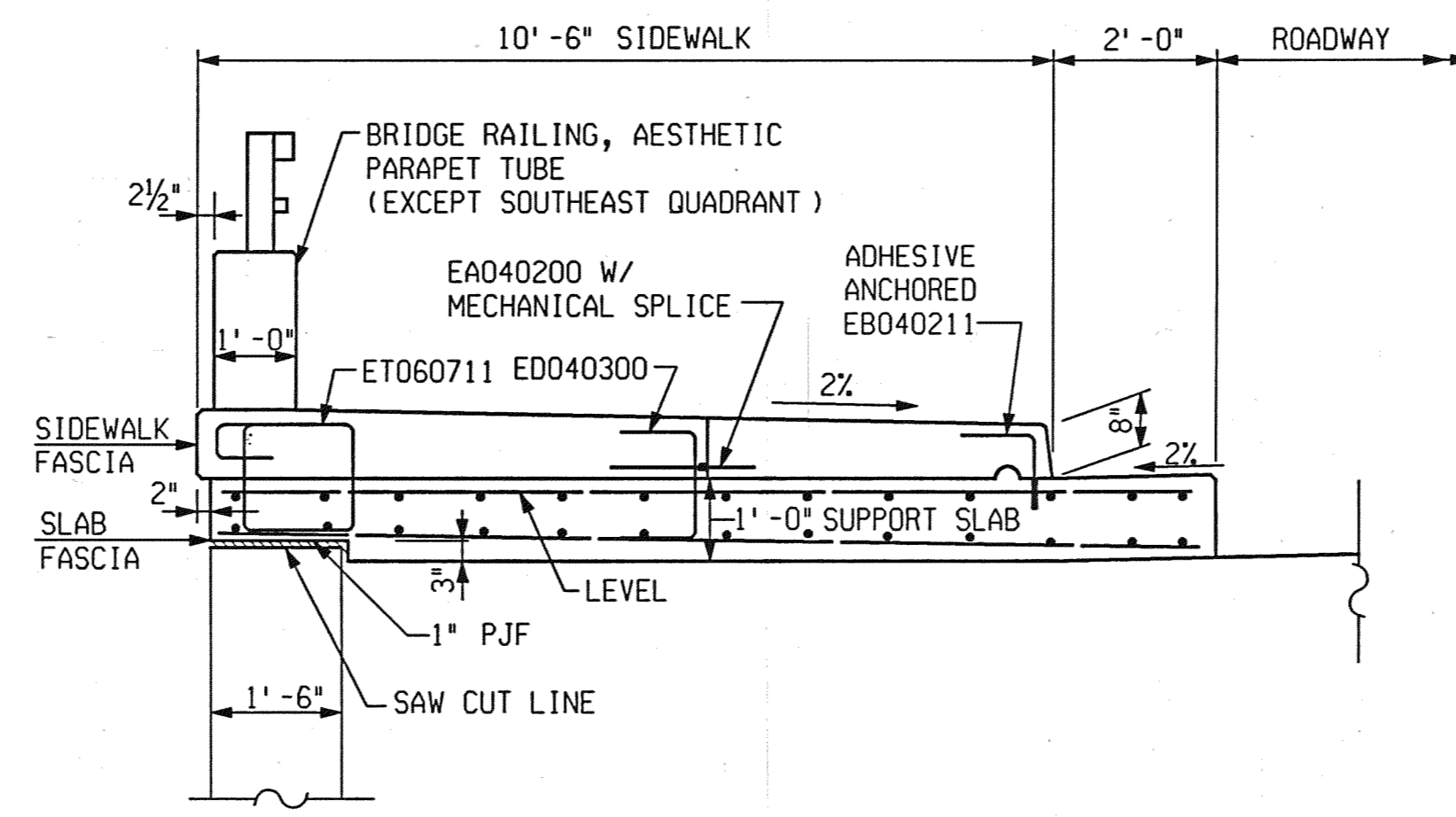
SUPERSTRUCTURE DETAILS
JEFFERSON AVE OVER DEQUINDRE CUT

DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	75 OF 80

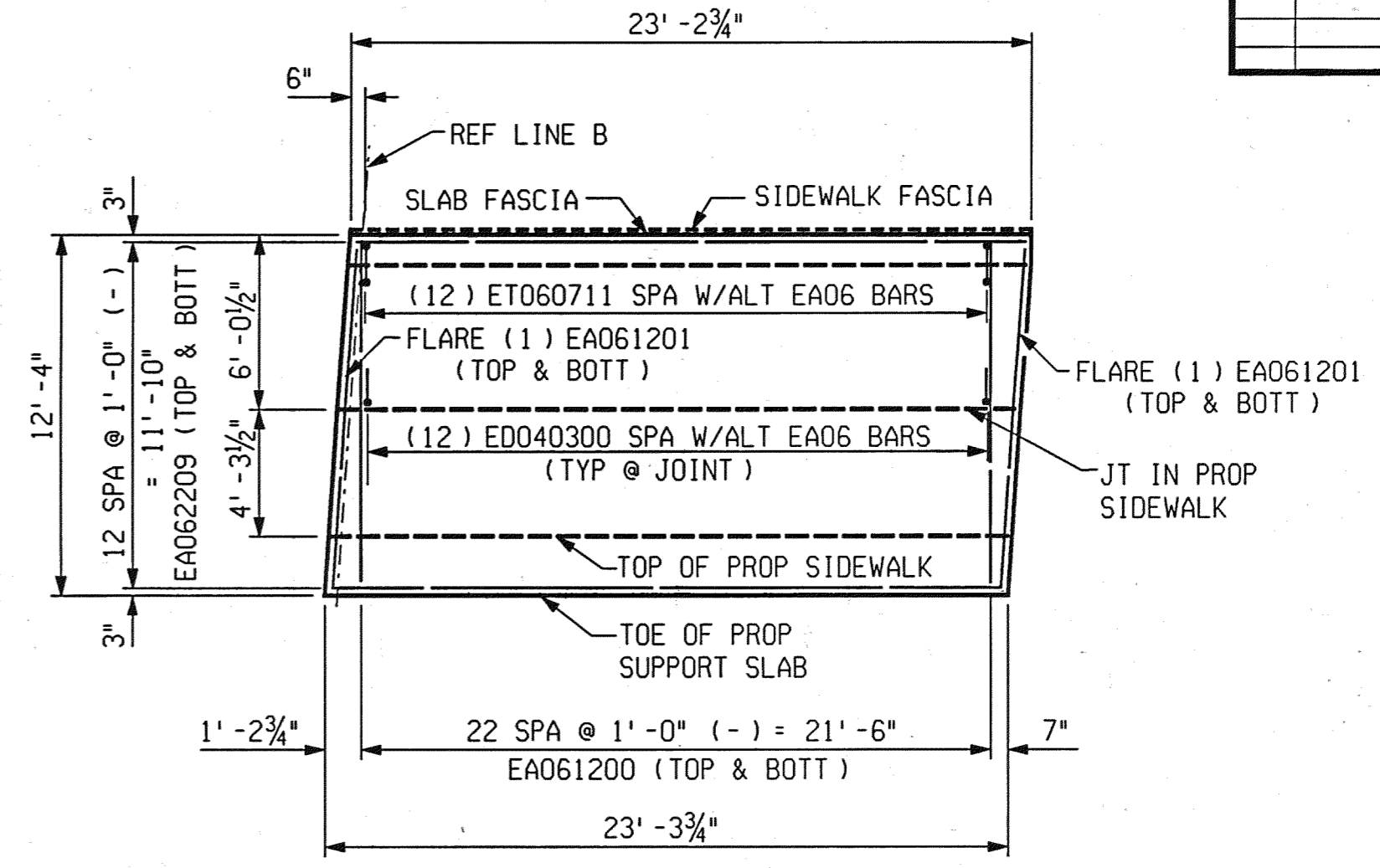
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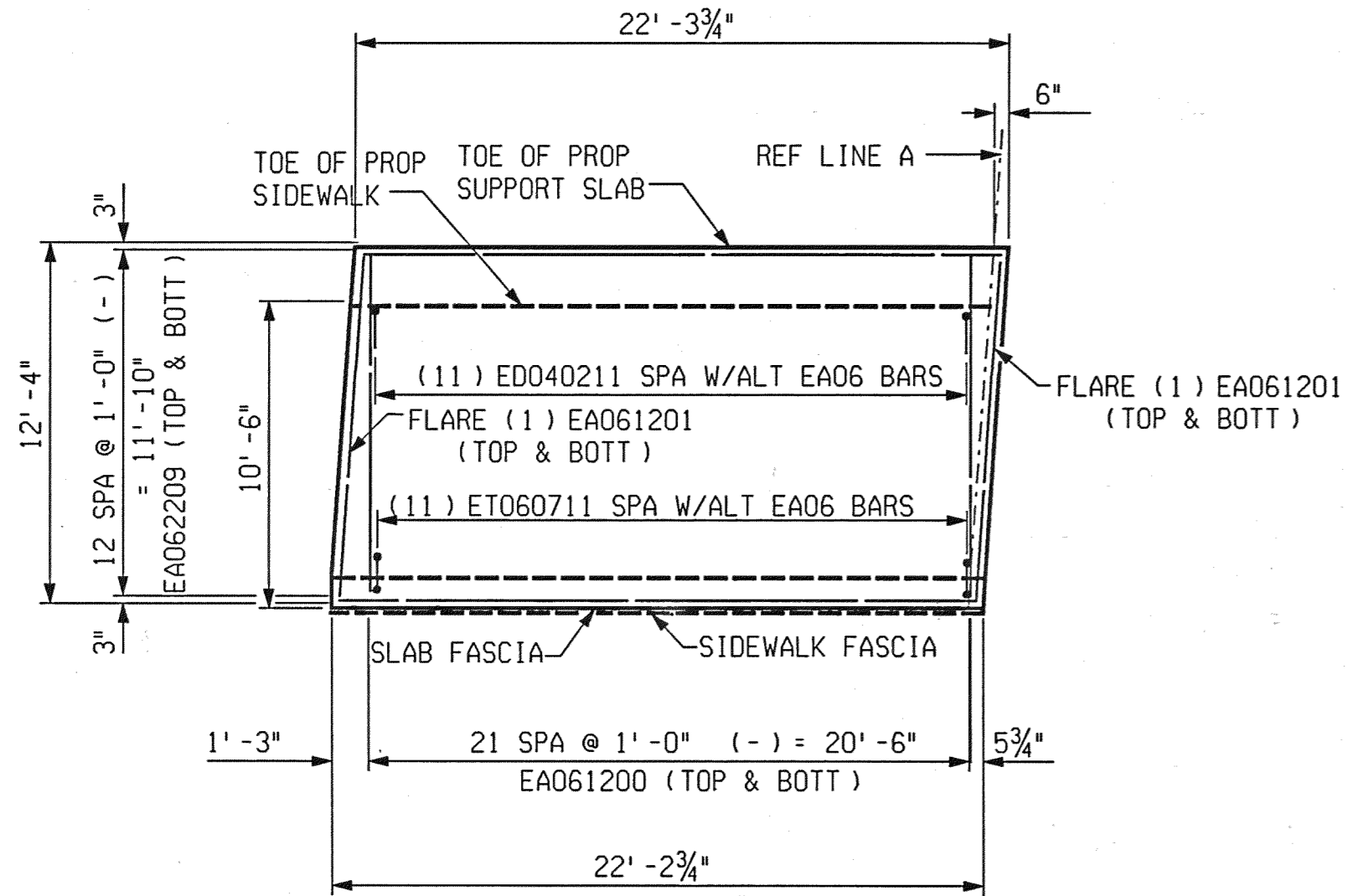
NW SUPPORT SLAB DETAIL



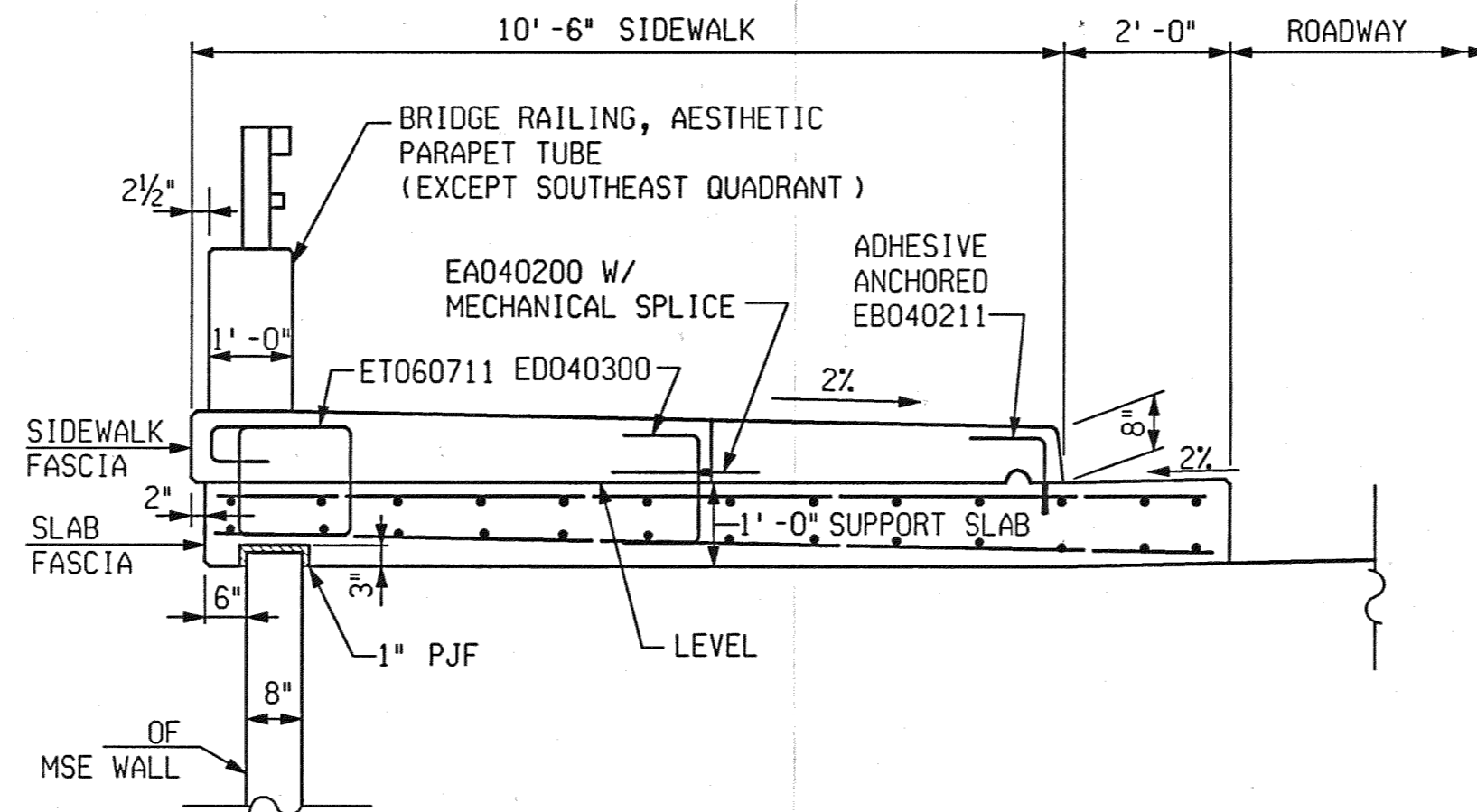
TYPICAL SECTION THRU NW SUPPORT SLAB
 (SHOWING SECTION OVER EXISTING RETAINING WALL)



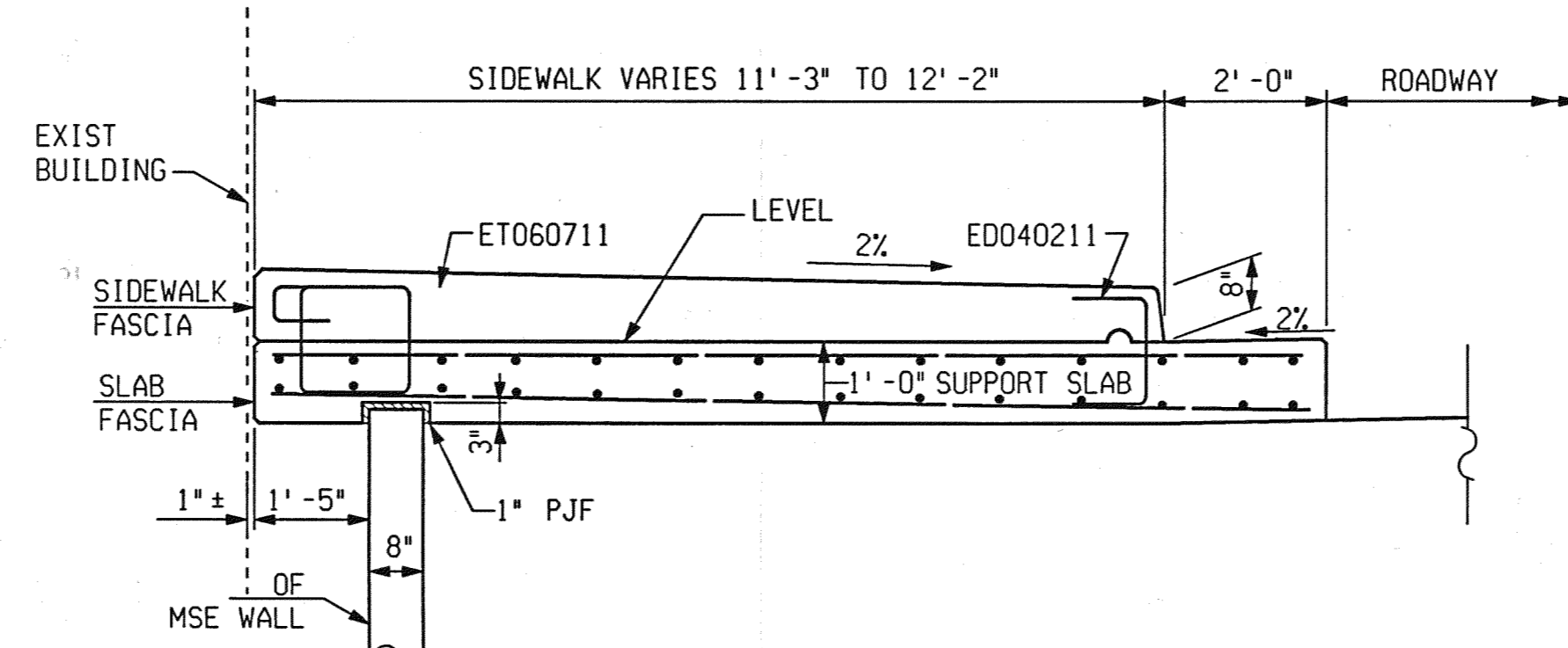
NE SUPPORT SLAB DETAIL



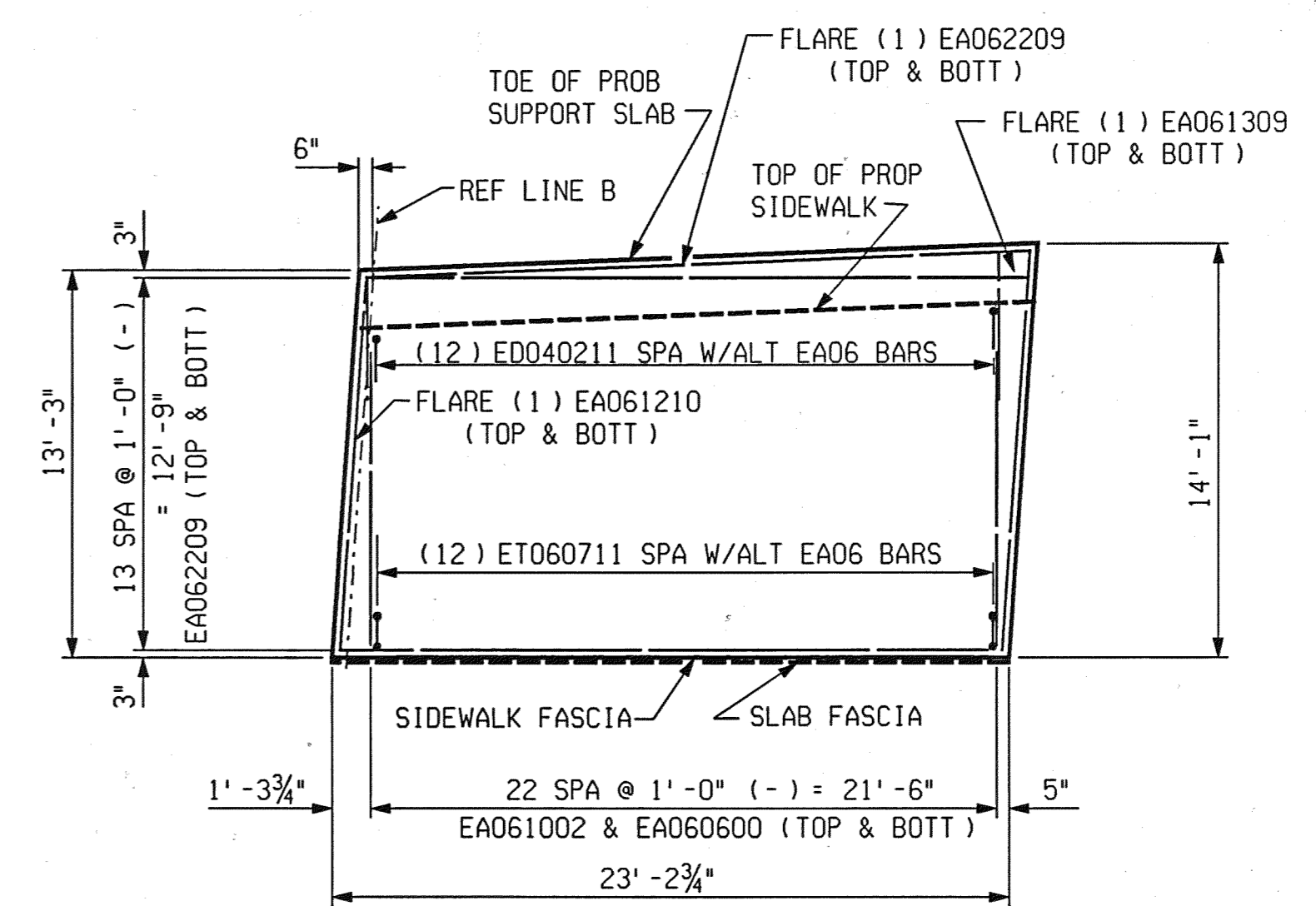
SW SUPPORT SLAB DETAIL



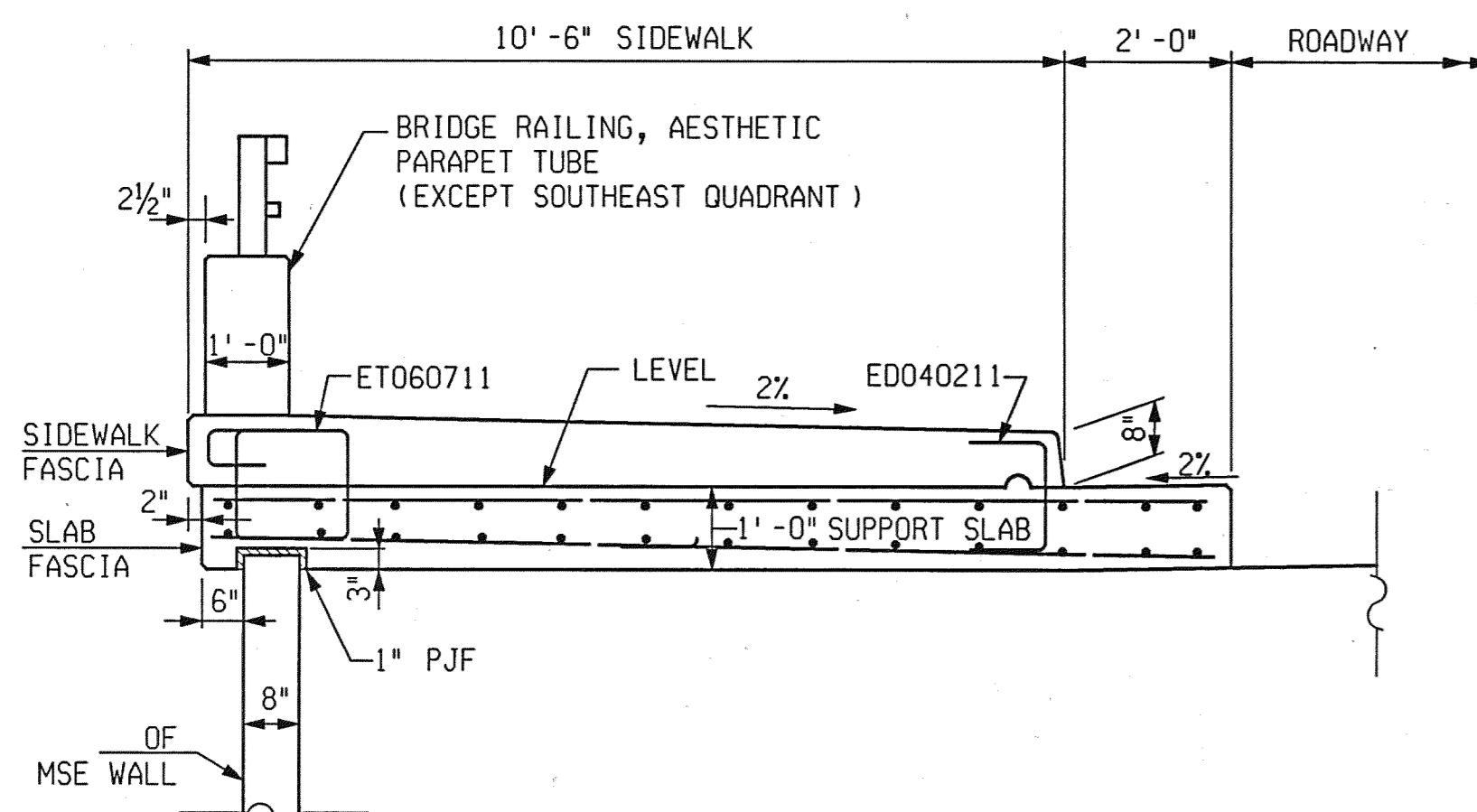
TYPICAL SECTION THRU NE & NW SUPPORT SLAB



TYPICAL SECTION THRU SOUTHEAST SUPPORT SLAB



SE SUPPORT SLAB DETAIL



TYPICAL SECTION THRU SW SUPPORT SLAB

REVISIONS			
NO.	DESCRIPTION	DATE	BY

2:17:38 PM
 2/10/2005
 CHECKED BY: RJO DATE:
 2/10/2005
 DRAWN BY: DCP DATE:
 2/10/2005
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PB PARSONS BRINCKERHOFF, INC.
 535 Griswold Street
 Buhl Building, Suite 1325
 Detroit, MI 48226
 313-963-5700

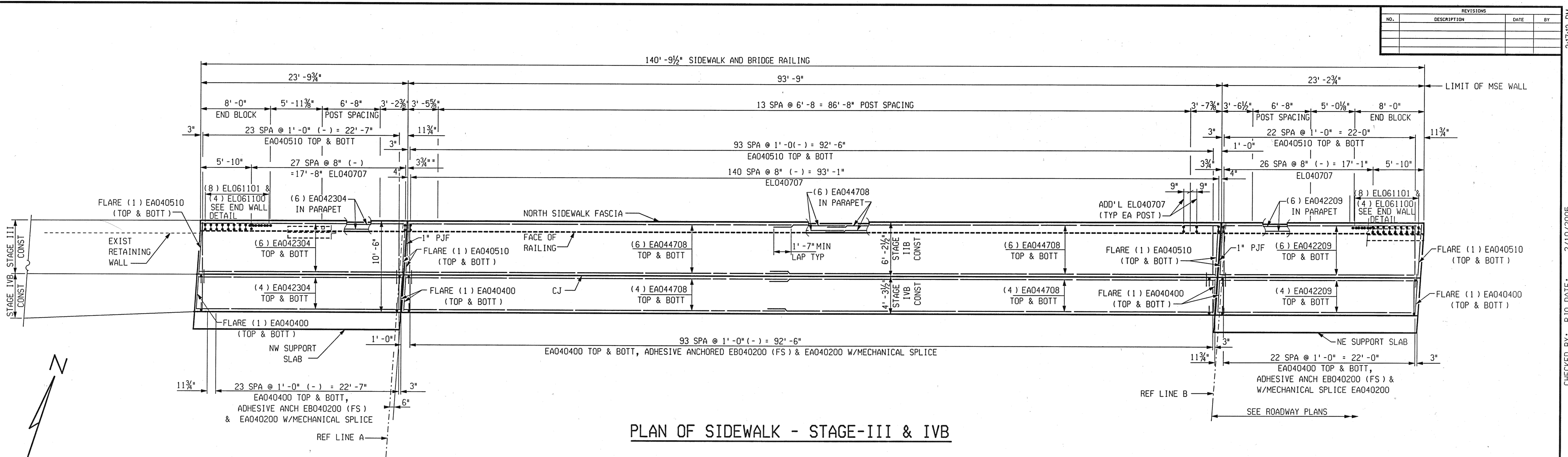
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERING DIVISION

SUPERSTRUCTURE DETAILS
 JEFFERSON AVE OVER DEQUINDRE CUT

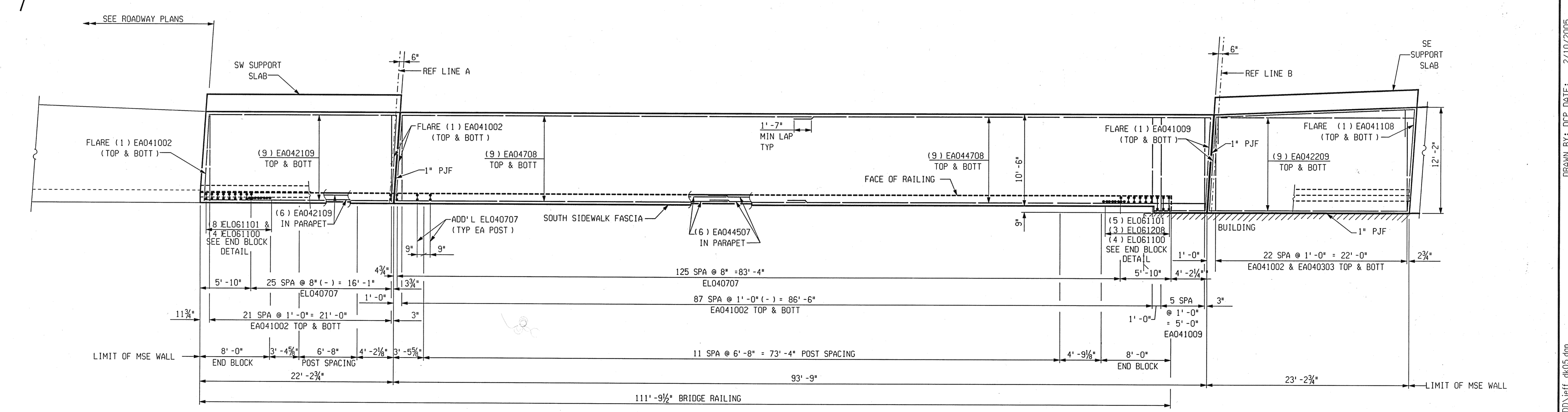
DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
02-11-05	S01 OF 82-22-02	BRT 82022	49717A	76 OF 80

REVISIONS			
NO.	DESCRIPTION	DATE	BY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



PLAN OF SIDEWALK - STAGE-III & IVB



PLAN OF SIDEWALK - STAGE-IVA

DRAWN BY: DCP DATE: 2/10/2005 CHECKED BY: RJO DATE: 2/10/2005 2:17:12 PM

		CITY OF DETROIT		SUPERSTRUCTURE DETAILS		
		DEPARTMENT OF PUBLIC WORKS CITY ENGINEERING DIVISION		JEFFERSON AVE OVER DEQUINDRE CUT		
		DATE	STRUCTURE NO.	CONT. SEC.	JOB NO.	SHEET
		02-11-05	S01 OF 82-22-02	BRT 82022	49717A	77 OF 80

