

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
STREET IMPROVEMENTS

WEBB ROAD - ACCEL/DECEL AND A LEFT TURN LANE IN WEBB ROAD
FROM A POINT 80' NORTH OF THE SOUTH LOT LINE OF LOT 3, BLOCK 1
TO A POINT 300' SOUTH OF WILSON ESTATES PARKWAY

IN
LEGACY PARK WILSON ESTATES ADDITION

CITY OF WICHITA PROJECT NO. 472-83232
OCA NO. 765633

INDEX OF SHEETS

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2. PLAT
3. TYPICAL SECTIONS
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7. PLAN AND PROFILE - SWS LINE NO. 1
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9. MISCELLANEOUS PAVING DETAILS
10. VALLEY GUTTER DETAILS
11. MISCELLANEOUS DRAINAGE DETAILS
12. SPECIAL TYPE II INLET/MANHOLE DETAILS
13. STD. TYPE II INLET DETAILS
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15. SIGNING DETAILS
- 16.-23. CROSS SECTIONS

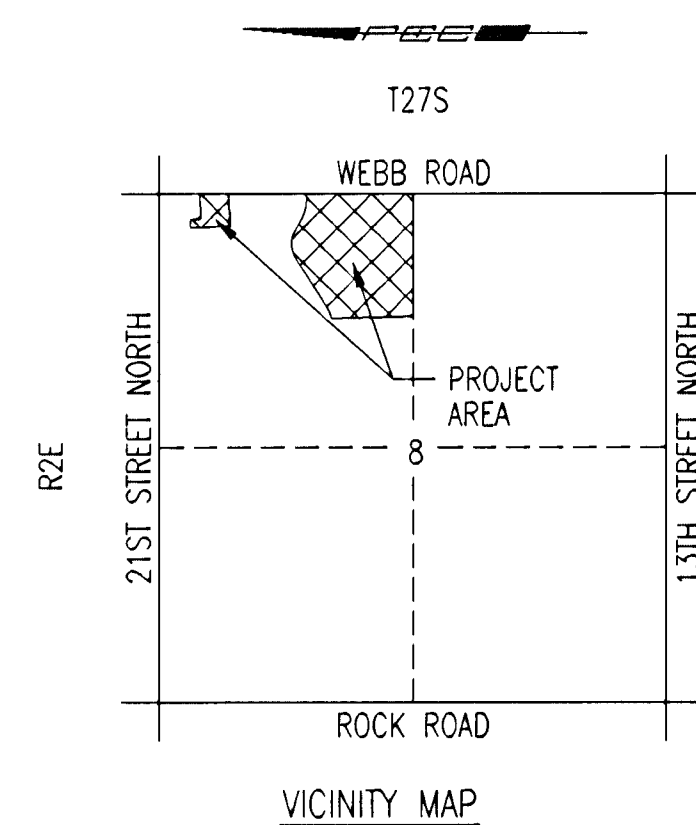
PROJECT SURVEY CONTROL

- BM 2: CHISELED "d" IN N.W. CORNER CONCRETE BASE OF TRAFFIC SIGNAL POLE AT S.W. CORNER OF WEBB ROAD AND 21ST STREET NORTH.
ELEV.= 204.11 CITY DATUM
- BM 3: CHISELED "d" IN TOP OF WEST CURB WEBB ROAD, 87' SOUTH OF THIRD WOODEN POWER POLE SOUTH OF 21ST STREET NORTH.
ELEV.= 198.54
- BM 4: CHISELED "d" IN TOP CENTER CURB INLET ON WEST SIDE OF WEBB ROAD 65' NORTH OF THE C WEBB ROAD.
ELEV.= 196.46
- BM 5: CHISELED "d" IN TOP CENTER CURB INLET ON WEST SIDE OF WEBB ROAD 66' NORTH OF C ENTRANCE TO EASTMINSTER PRESBYTERIAN CHURCH.
ELEV.= 193.28

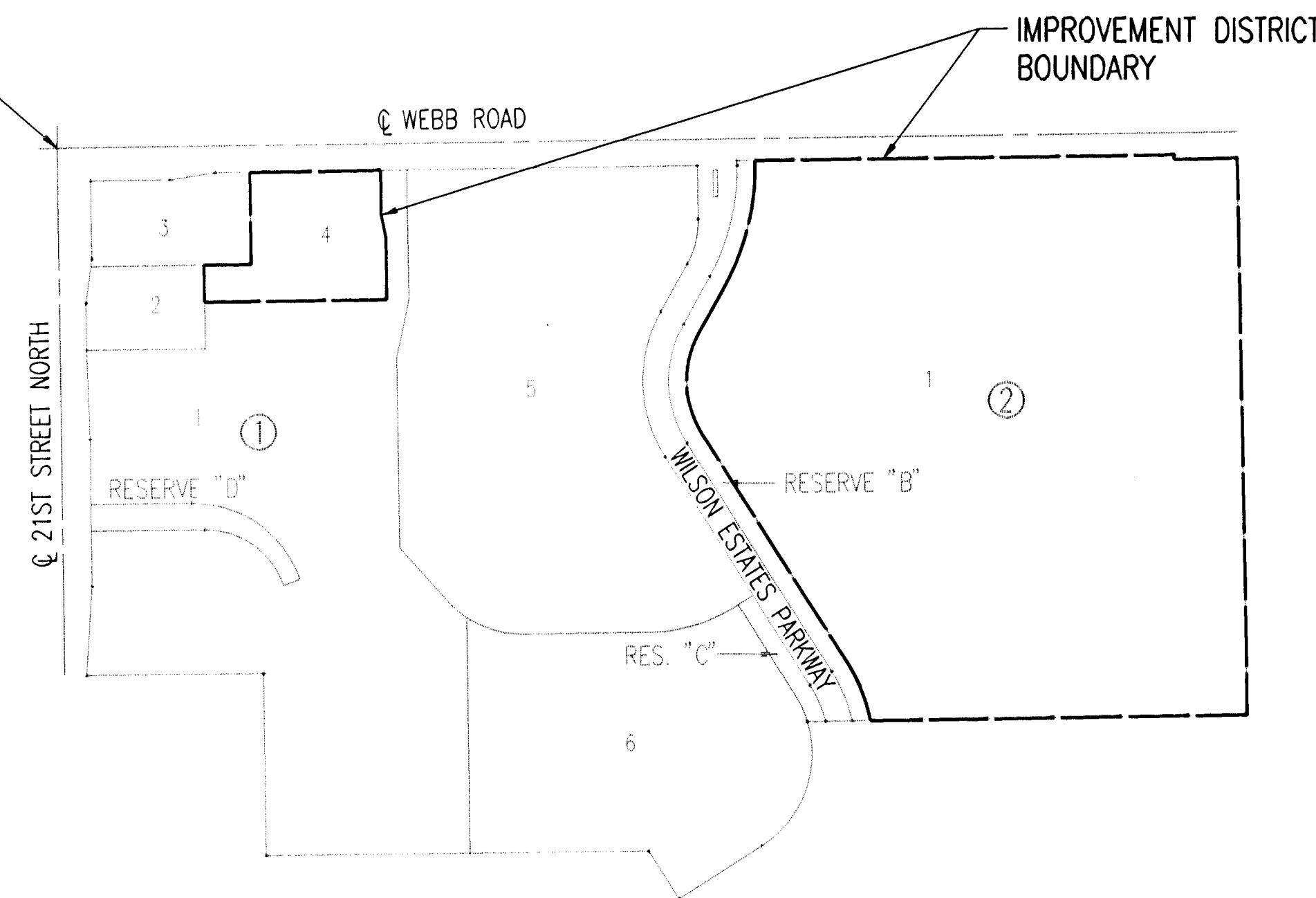
EARTHWORK

EXCAVATION 2,831 CU. YDS.*
COMPACTED FILL 0 CU. YDS.
PROJECT LENGTH = 1,505 LIN. FT.

* EXCESS EXCAVATION TO BE WASTED WITHIN LEGACY PARK WILSON ESTATES ADDITION AS DIRECTED BY THE OWNER/DEVELOPER, MR. GEORGE LAHAM, LAHAM DEVELOPMENT CO. LLC (316) 292-3950.



N.E. Corner
Sec. 8, T27S, R2E
of the 6th P.M.
1/2" I.P. in Thimble



MAY, 2000

PLANS PREPARED BY

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

GENERAL NOTES

UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR AND APPROVED AS NOTED BELOW.

ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

CONTRACTOR SHALL SATISFY HIMSELF OF SURFACE AND SUBSURFACE CONDITIONS PRIOR TO BIDDING.

TEMPORARY SURFACING MATERIAL (ROCK, ASPHALT, ETC.) MAY HAVE BEEN PLACED WITHIN STREET RIGHTS-OF-WAY FOR HAUL ROADS AND TEMPORARY ACCESS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE EXTENT, IF ANY, OF SUCH SURFACING. CONTRACTOR SHALL REMOVE SAID TEMPORARY SURFACING IN THE SAME MANNER AS NOTED ABOVE FOR RUBBLE. THIS REMOVAL SHALL BE SUBSIDIARY TO "EXCAVATION".

CONTRACTOR SHALL PROVIDE A MINIMUM FORTY-EIGHT (48) HOUR ADVANCE NOTICE (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO BEGINNING ANY EXCAVATION, TO KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ALL EXISTING LINES WITHIN THE PROJECT AREA: K.G.S. GAS, PEOPLES NATURAL GAS, K.G.E. ELECTRIC, SOUTHWESTERN BELL TELEPHONE, COX COMMUNICATIONS, CITY OF WICHITA SEWER MAINTENANCE AND CITY OF WICHITA WATER DEPARTMENT. ALSO CONTACT WILLIAMS NATURAL GAS (KEVIN PHILLIPS) (316)(529-6601).

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, WATER VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL ADJUST WATER VALVE BOXES AS DIRECTED BY THE ENGINEER. THIS WORK TO BE SUBSIDIARY TO OTHER BID ITEMS.

INLET HOOKUPS AND INLET SEDIMENT BARRIER SHALL BE BID PER EACH REGARDLESS OF INLET SIZE.

THIS PROJECT DOES NOT INCLUDE ANY PROVISIONS FOR CONSTRUCTION OF DRIVEWAYS.

CONTRACTOR SHALL SEED/FERTILIZE AND MULCH ALL AREAS DISTURBED FROM BACK OF CURB TO LIMITS OF BERM CONSTRUCTION WITH FESCUE GRASS AT THE RATES SHOWN IN CITY OF WICHITA STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "PROJECT SEEDING".

CONTRACTOR SHALL BE REQUIRED TO COORDINATE HIS WORK WITH OTHER CONTRACTORS, INCLUDING, BUT NOT LIMITED TO UTILITY COMPANIES, WILLIAMS NATURAL GAS CO., CONTRACTOR FOR PROPOSED 36" WATER (C.O.W. PROJ. NO. 448-89465) AND CONTRACTOR FOR WILSON ESTATES PARKWAY (C.O.W. PROJ. NO. 472-83175).

CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE AND TRAFFIC HANDLING PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK ON THIS PROJECT. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A MINIMUM OF ONE LANE OF TRAFFIC EACH DIRECTION AT ALL TIMES. CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL TRAFFIC CONTROL DEVICES ACCORDING TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)". THIS WORK TO BE BID AS "TRAFFIC CONTROL".

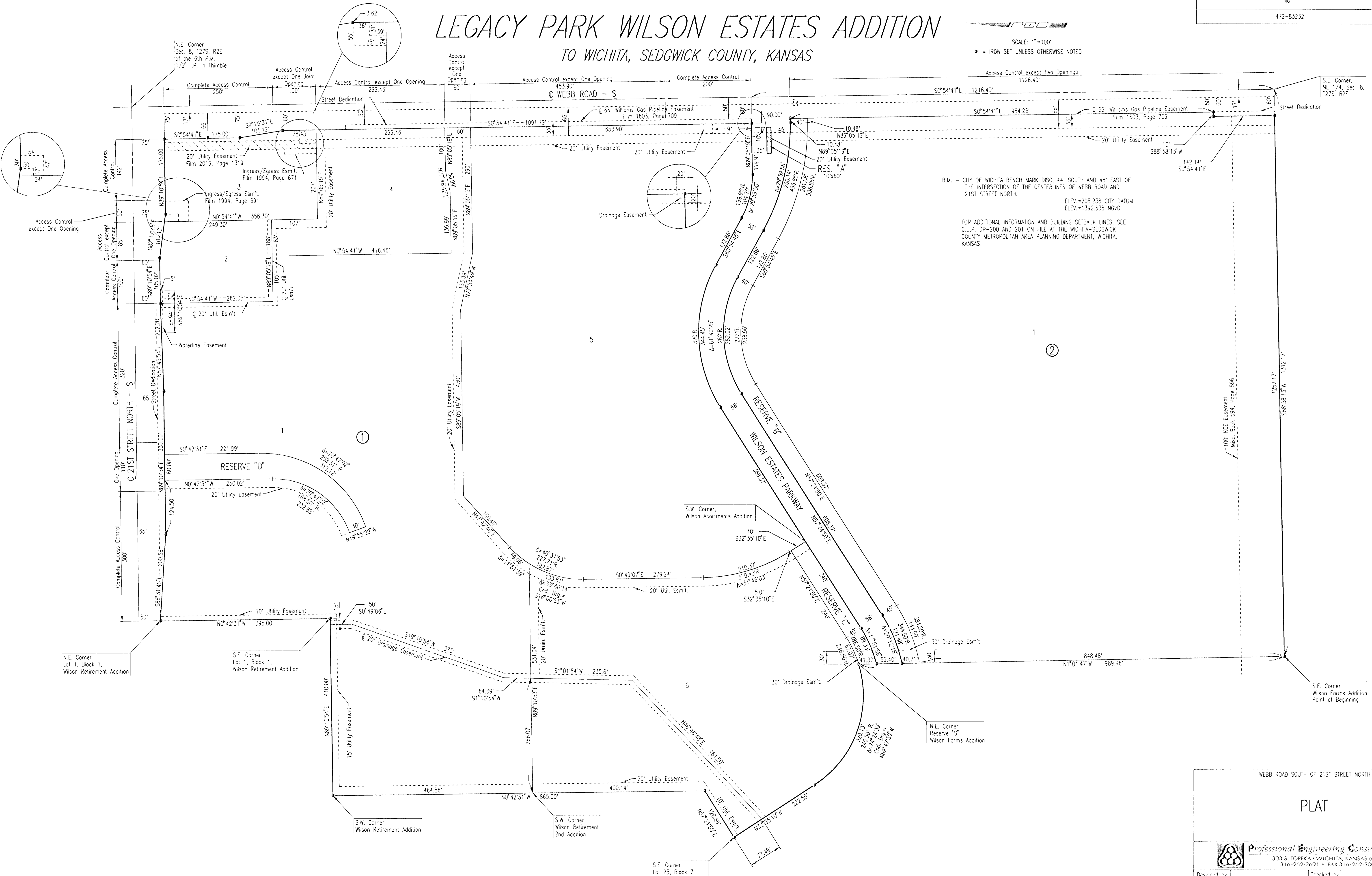


PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83232	2	23

LEGACY PARK WILSON ESTATES ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

SCALE: 1"=100'

• = IRON SET UNLESS OTHERWISE NOTED



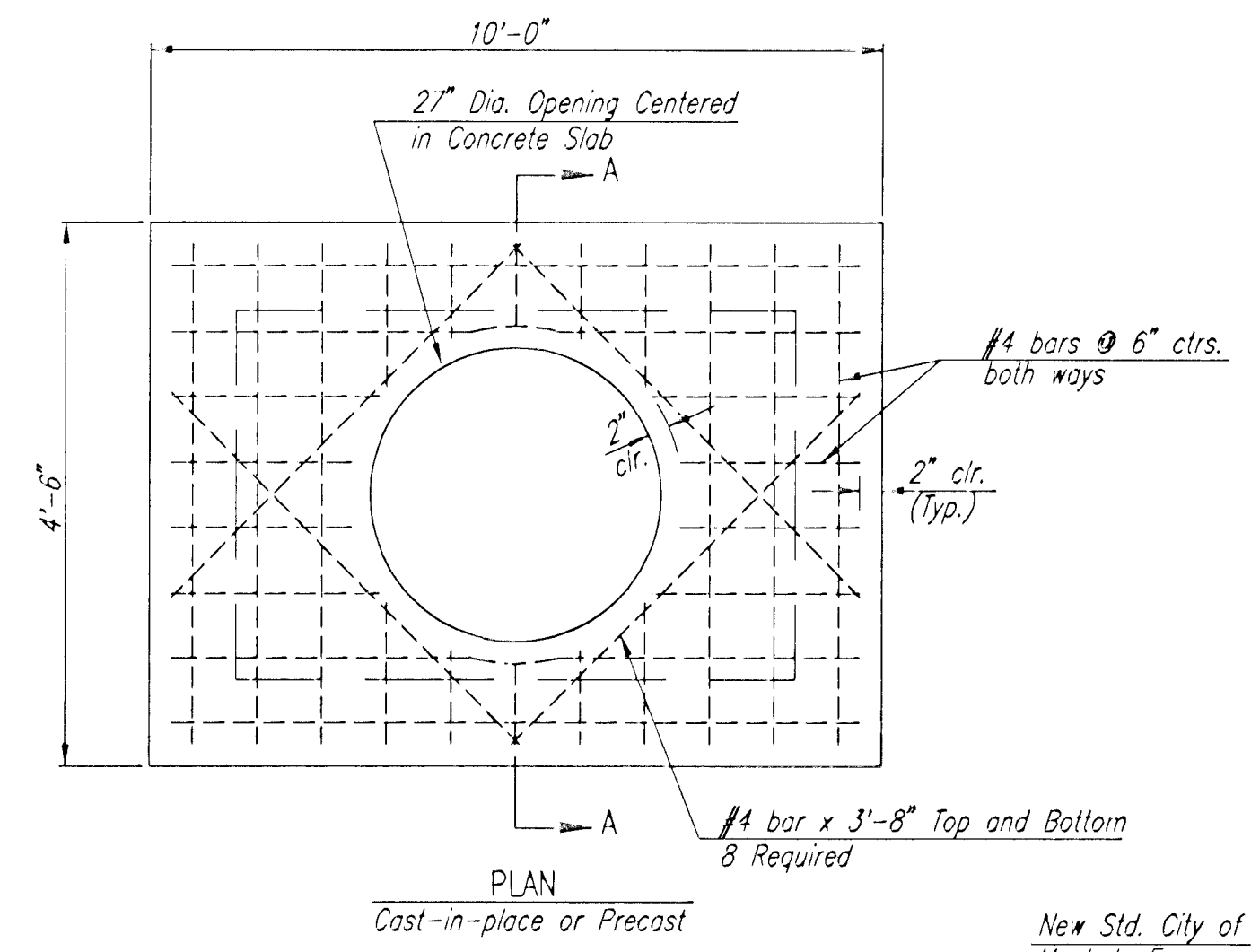
WEBB ROAD SOUTH OF 21ST STREET NORTH

PLAT



Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by _____ Checked by _____
Drawn by _____ Date MARCH, 2000 Job No. 00034-1



GENERAL NOTES

CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I.

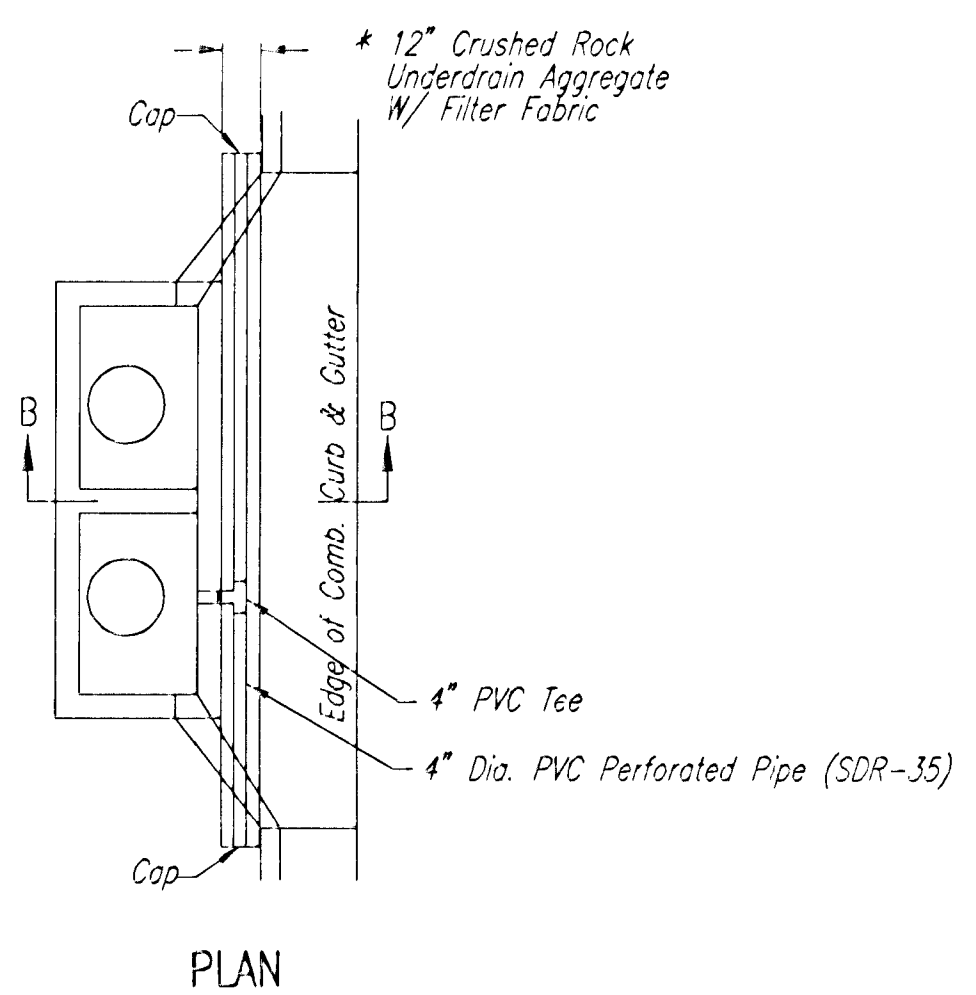
ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A615 GRADE 60. CLEARANCE SHALL BE 2" UNLESS OTHERWISE NOTED.

CONCRETE TOPS WHEN PRECAST SHALL BE INSTALLED ON A THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG EXISTING BRICK WALLS.

THE CONTRACTOR SHALL REMOVE PORTIONS OF EXISTING INLET AS SHOWN ON PLANS. ALL MATERIALS FROM EXISTING INLET SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

CONCRETE SLAB MAY BE CAST-IN-PLACE OR PRECAST AT THE CONTRACTOR'S OPTION.

INLET MODIFICATIONS SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH IN PLACE INCLUDING CONCRETE, REINFORCING STEEL, DEBRIS REMOVAL, EXCAVATION AND ALL OTHER MISCELLANEOUS MATERIALS, LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.



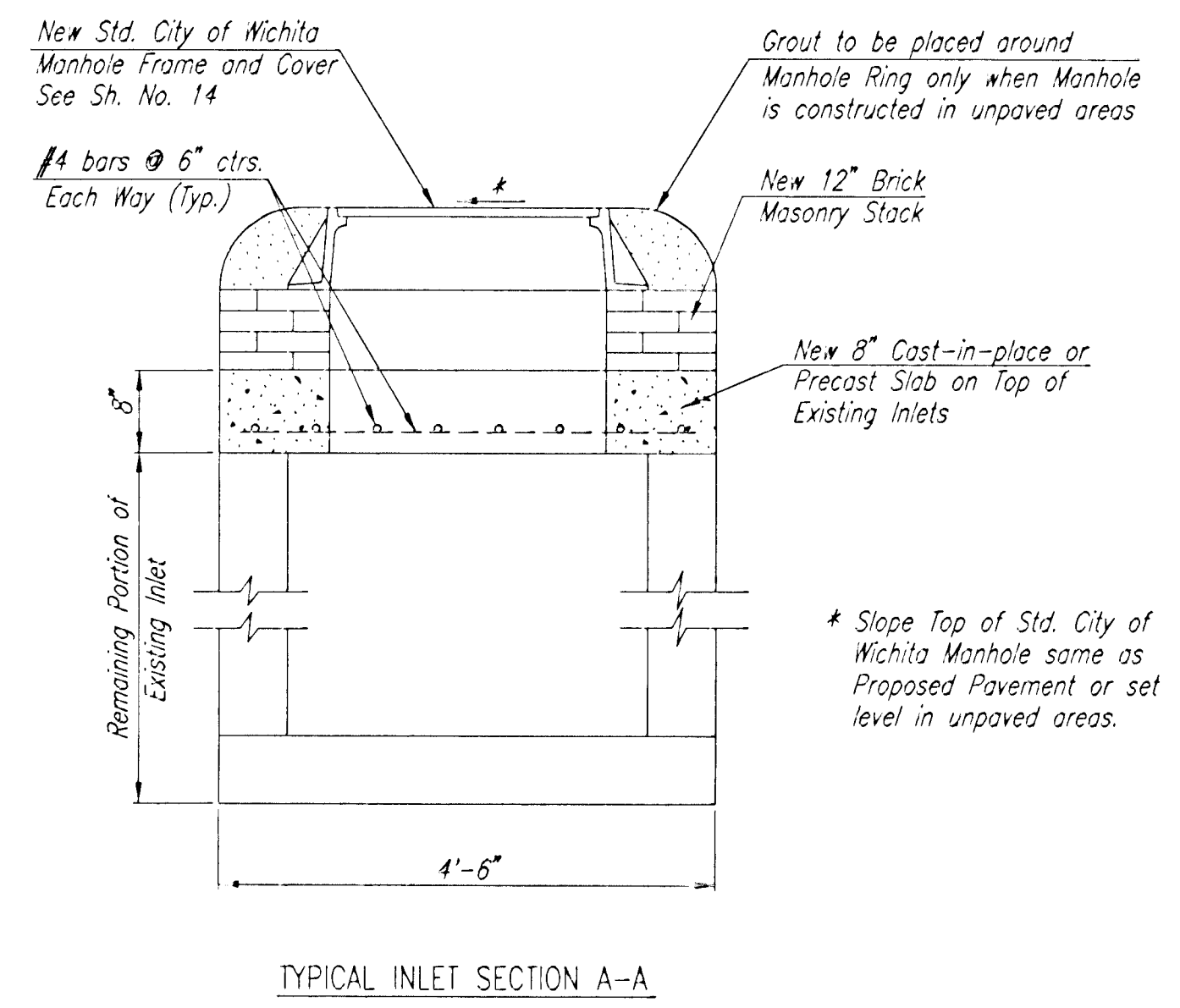
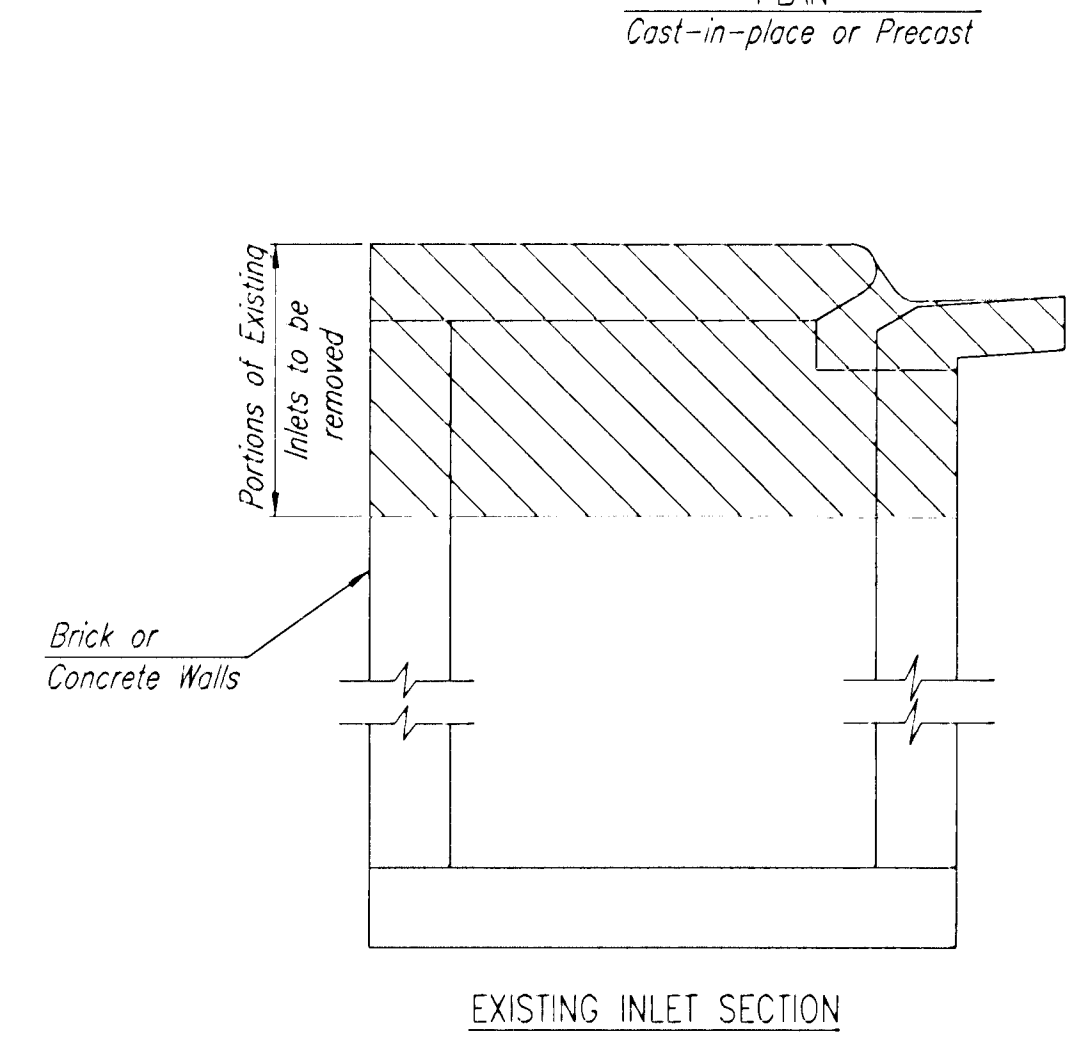
* UNDERDRAIN AGGREGATE
PERCENT OF AGGREGATE RETAINED

1"	0
3/4"	0-10
3/8"	45-80
#4	90-100
#8	95-100

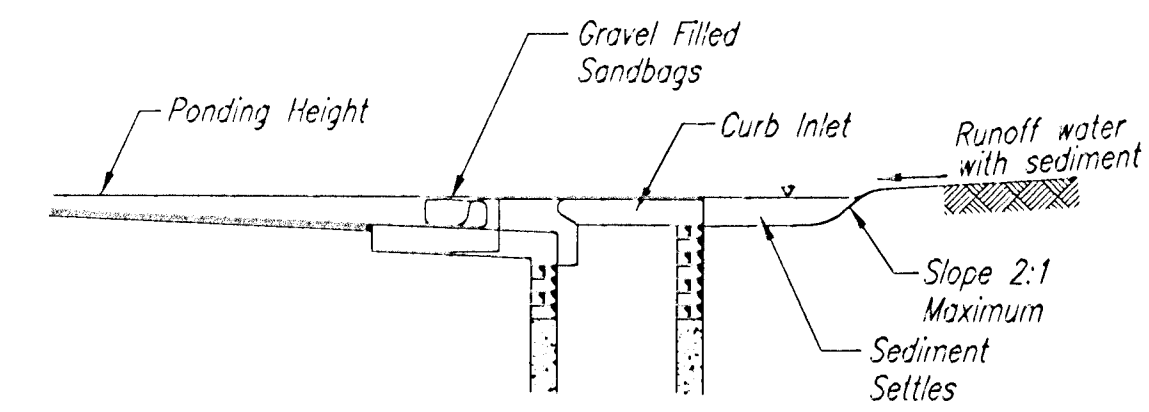
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.

PAVEMENT UNDERDRAIN LOCATIONS

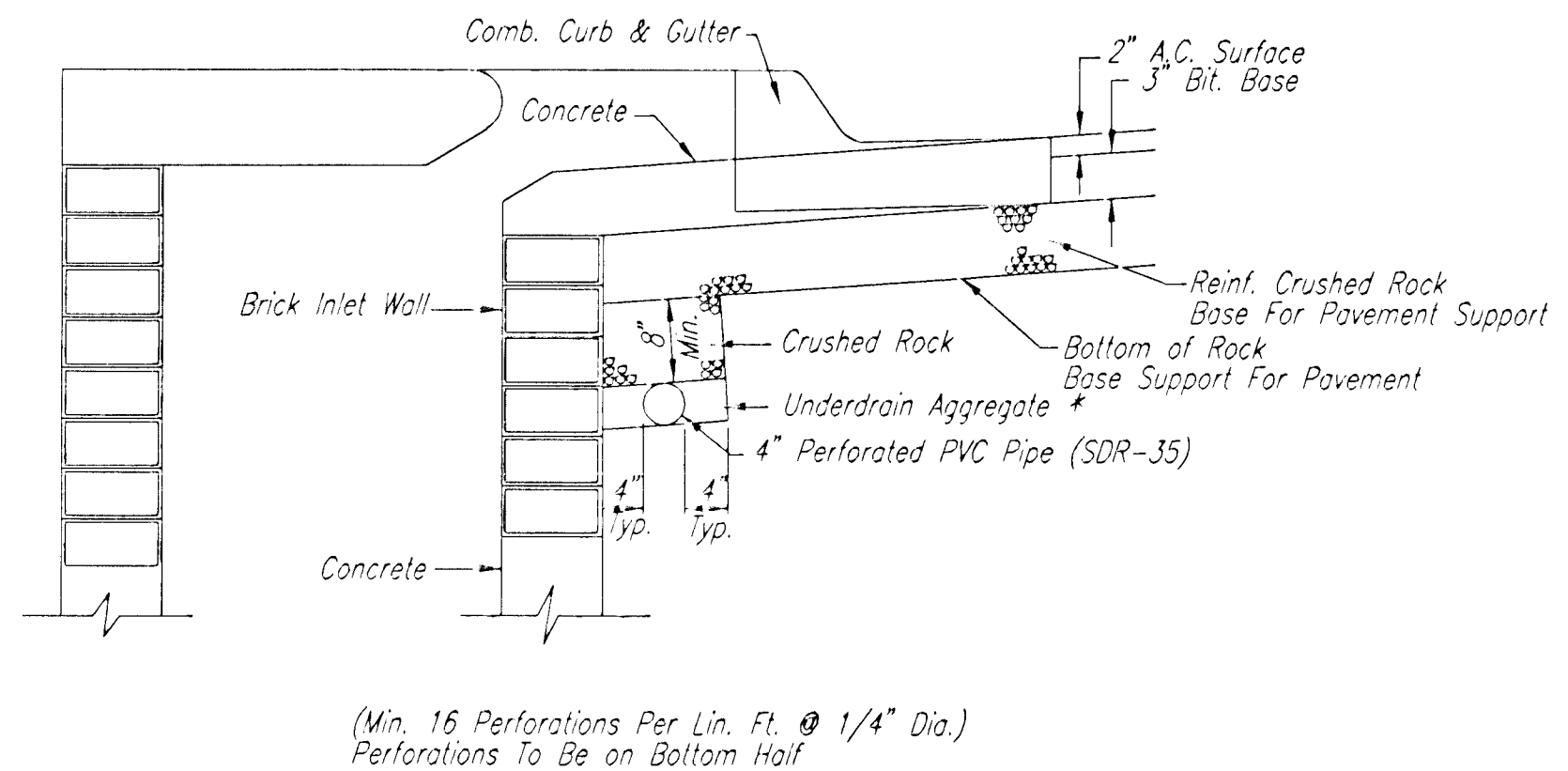
STREET	STATION	SIDE
WEBB ROAD	35+78.92	LT.
WEBB ROAD	44+30	LT.



INLET MODIFICATION DETAILS



SECTION C - C



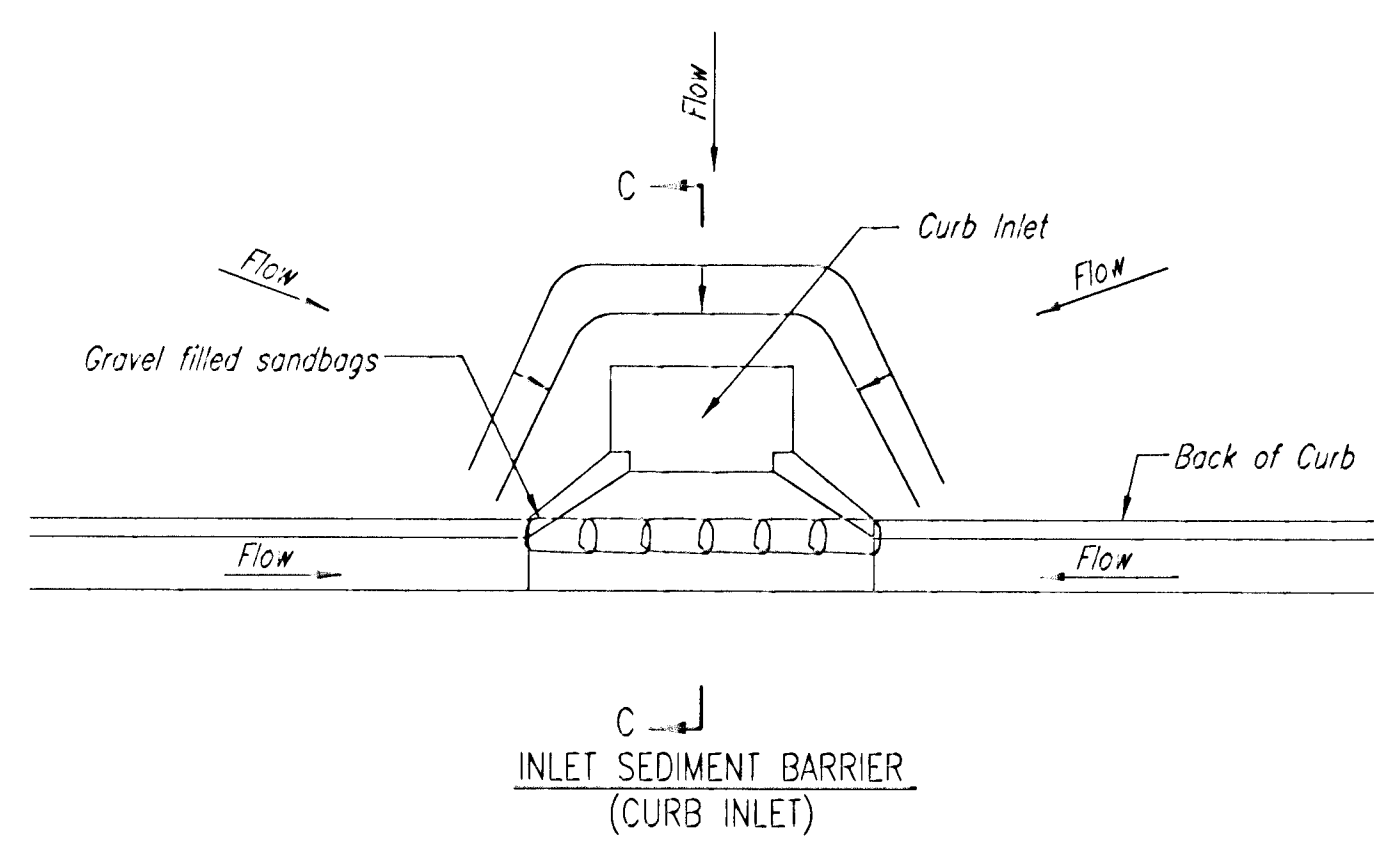
SECTION B-B

PAVEMENT UNDERDRAIN DETAIL

NOTE: PLACE 4" PVC PERFORATED PIPE AT ALL DRAINAGE SUMP LOCATION

COST OF UNDERDRAIN SYSTEM TO BE INCIDENTAL TO THE REINFORCED CRUSHED ROCK BASE.

INLET TYPE MAY VARY FROM THAT SHOWN.



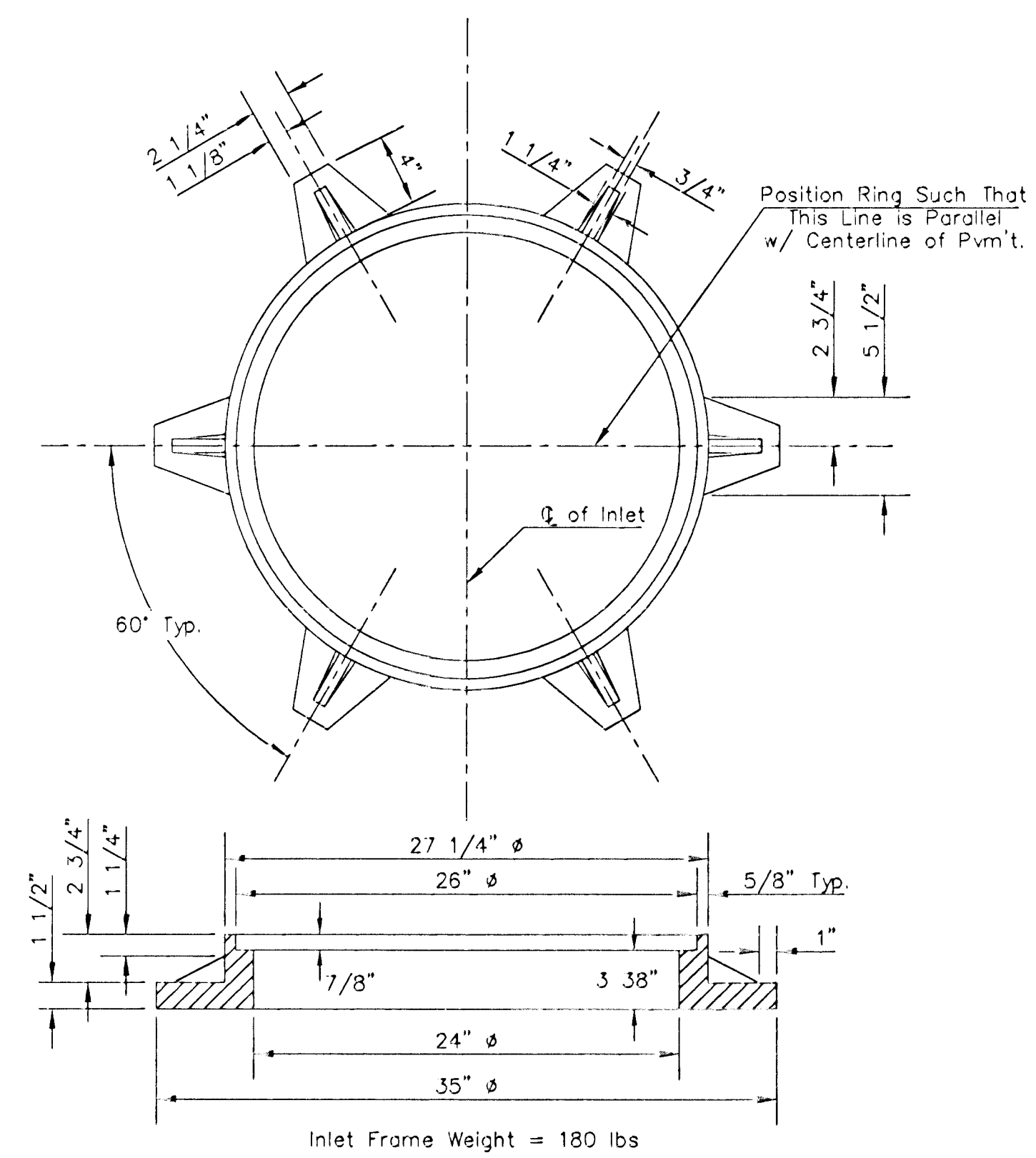
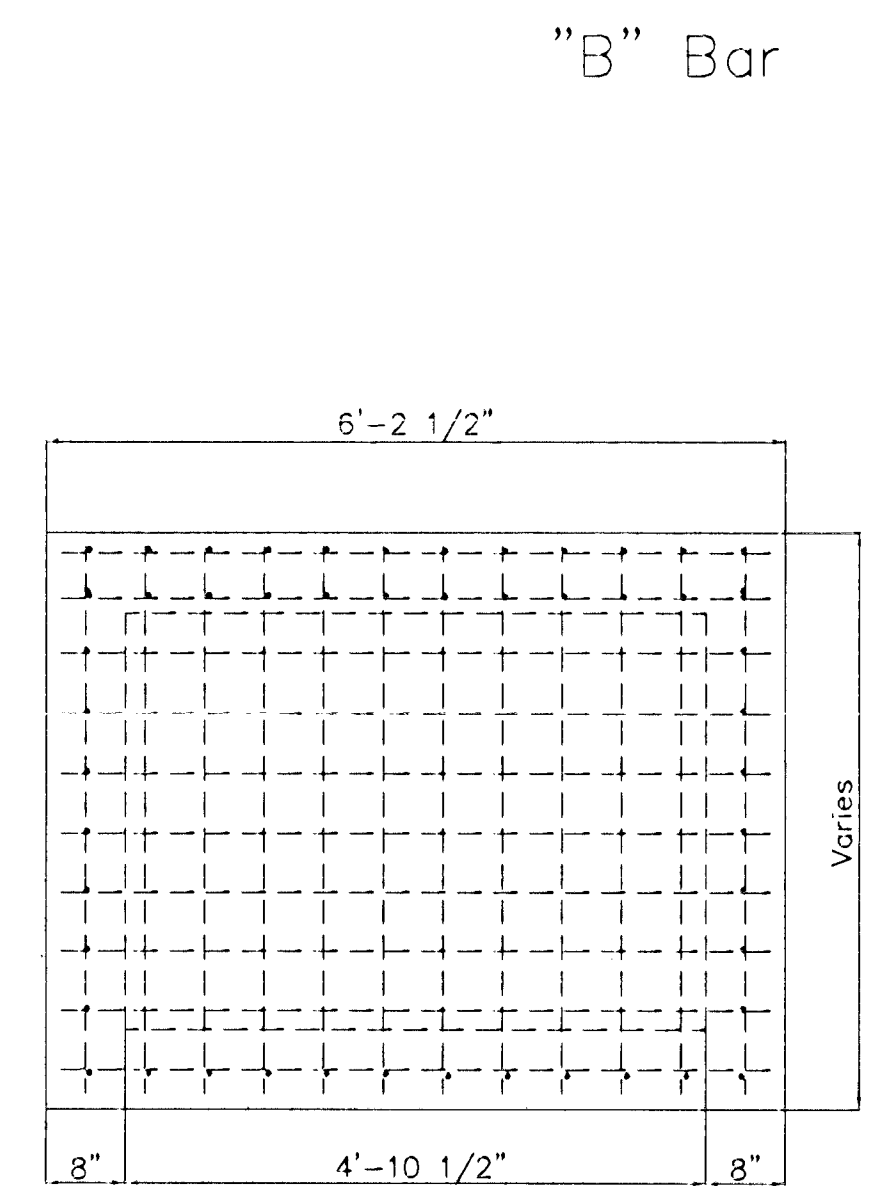
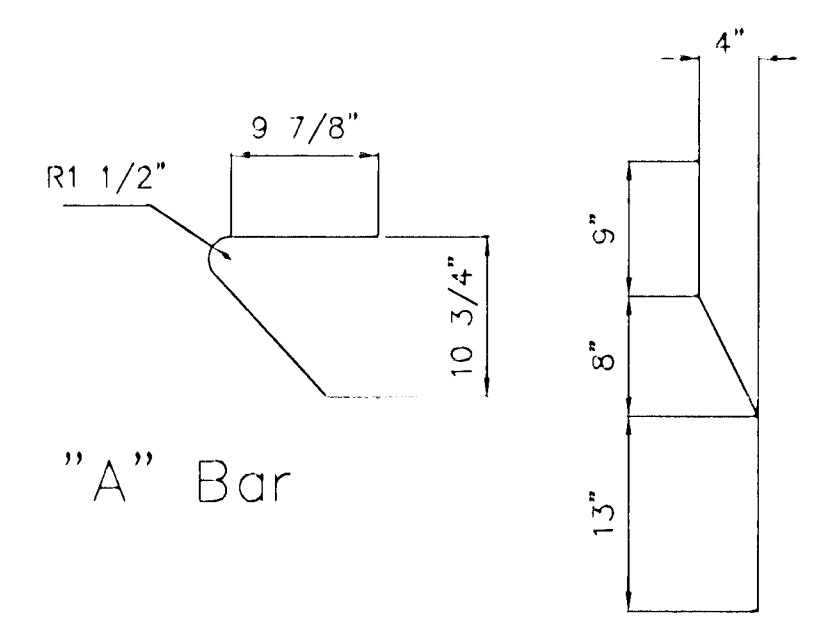
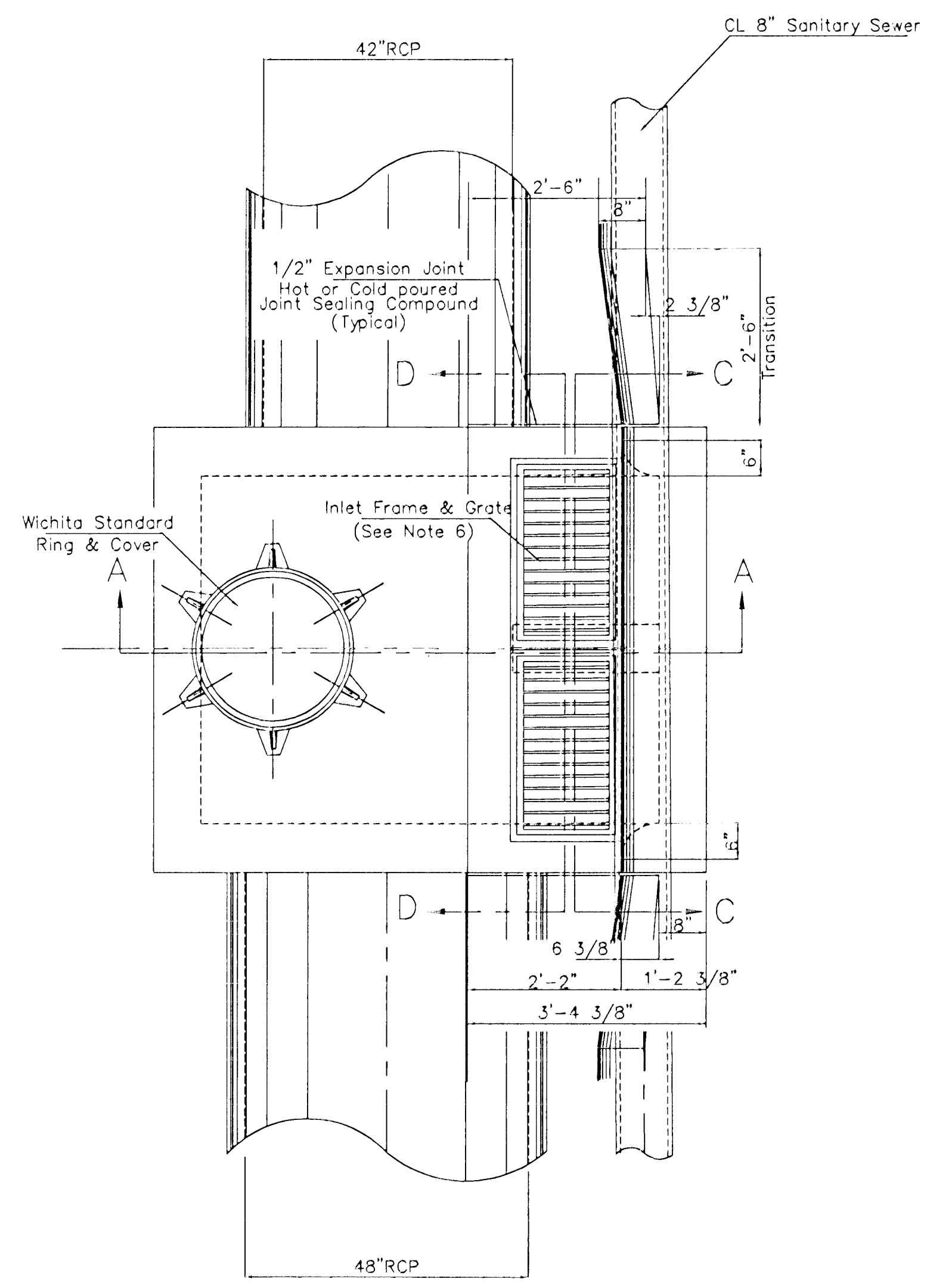
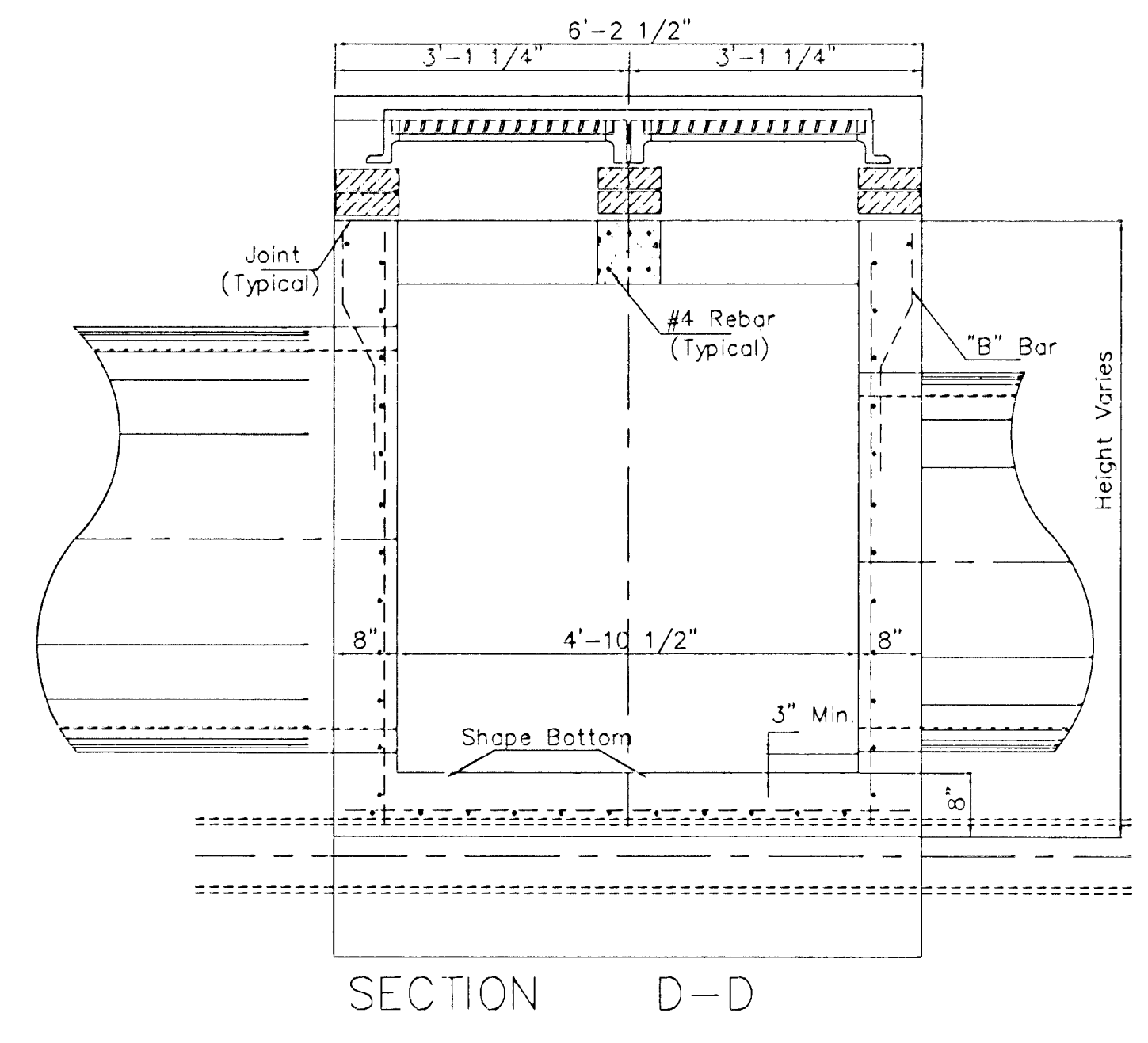
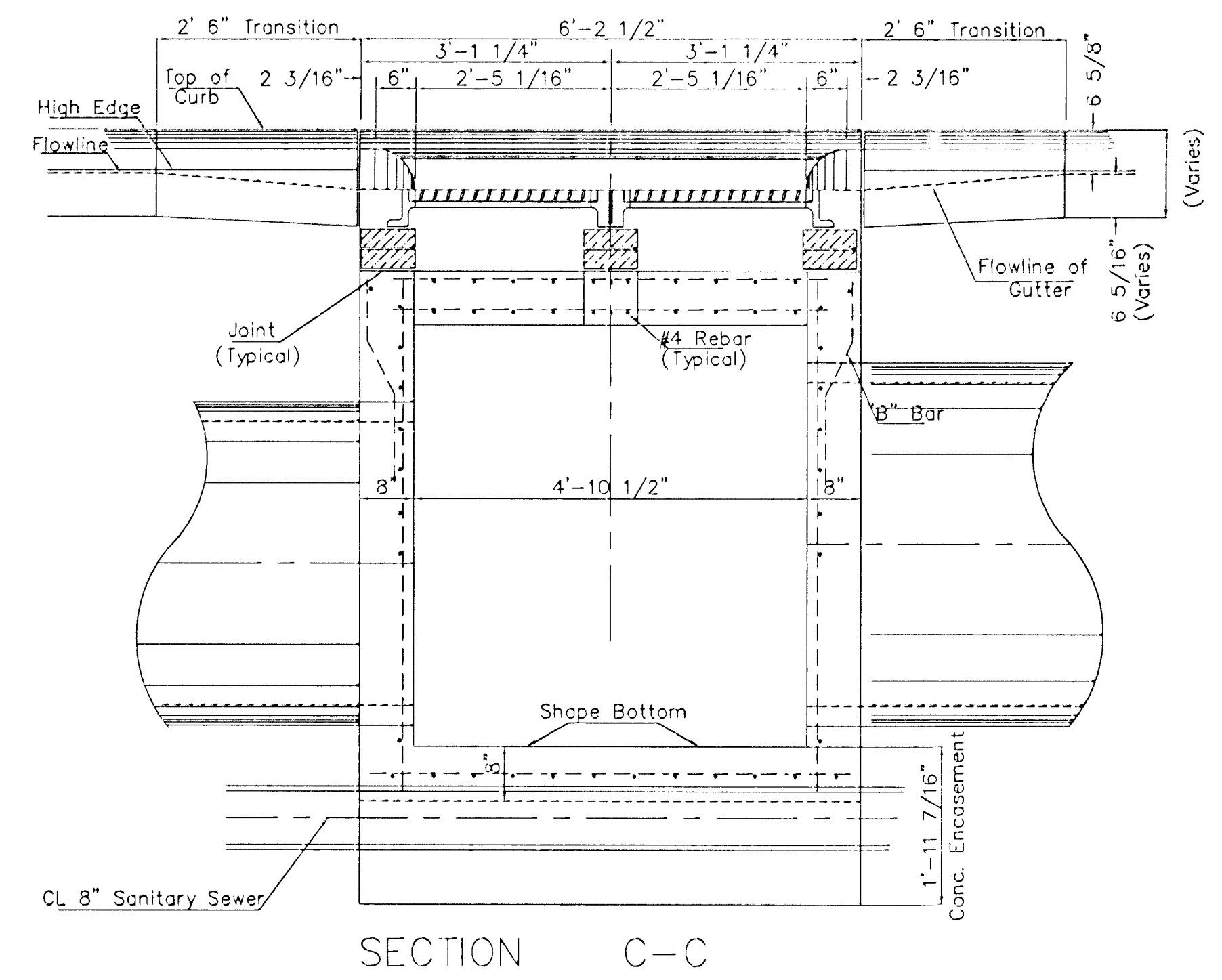
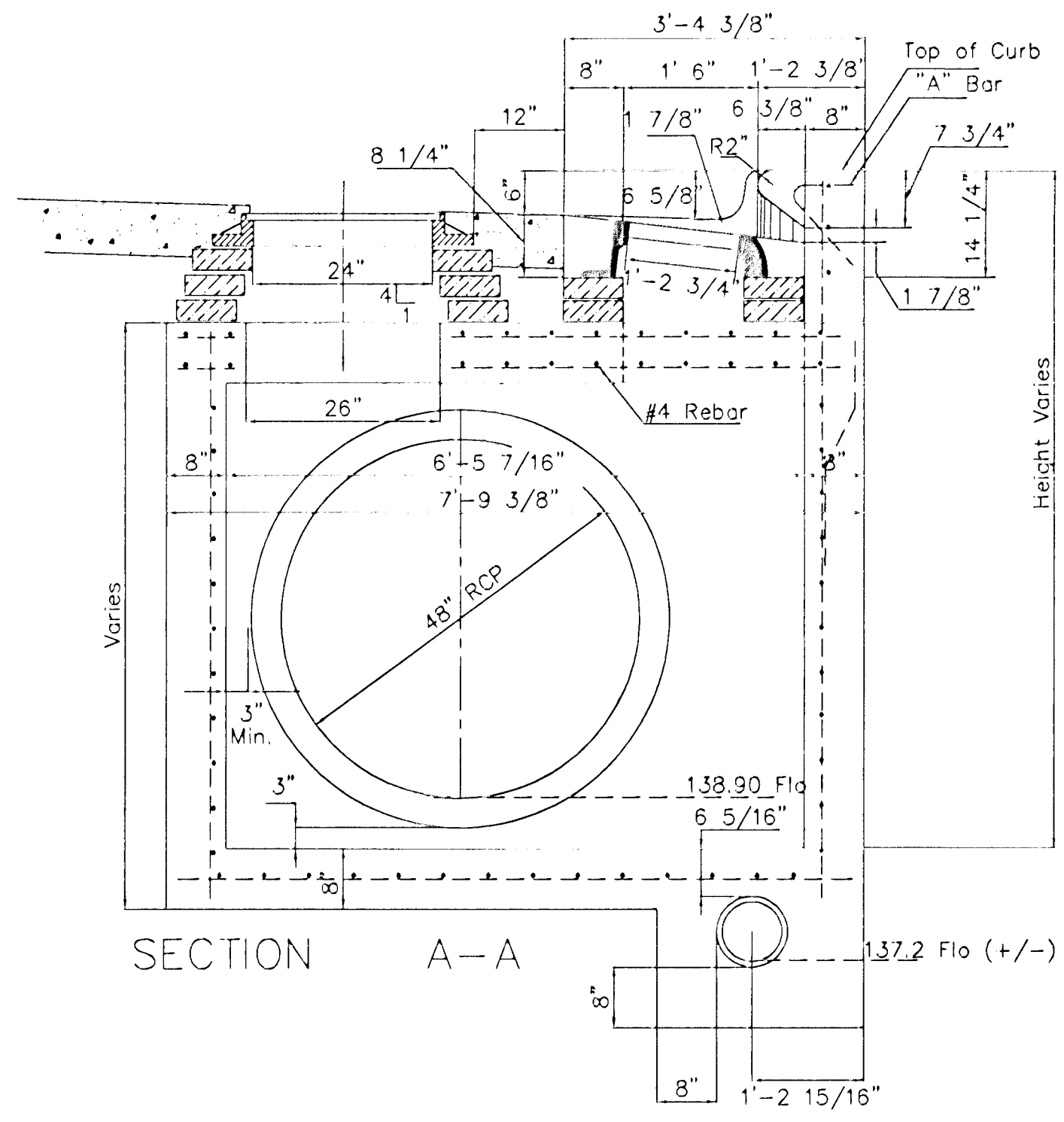
NOTE: INLET TYPE AND SIZE MAY VARY FROM THAT SHOWN.

WEBB ROAD SOUTH OF 21ST STREET NORTH

MISCELLANEOUS DRAINAGE DETAILS

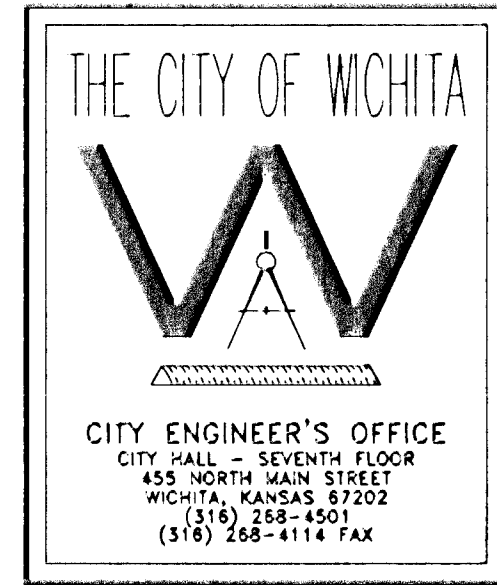
Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	BER, CDD	Checked by	
Drawn by	DEP	Date	MARCH, 2000
		Job No.	00034-1

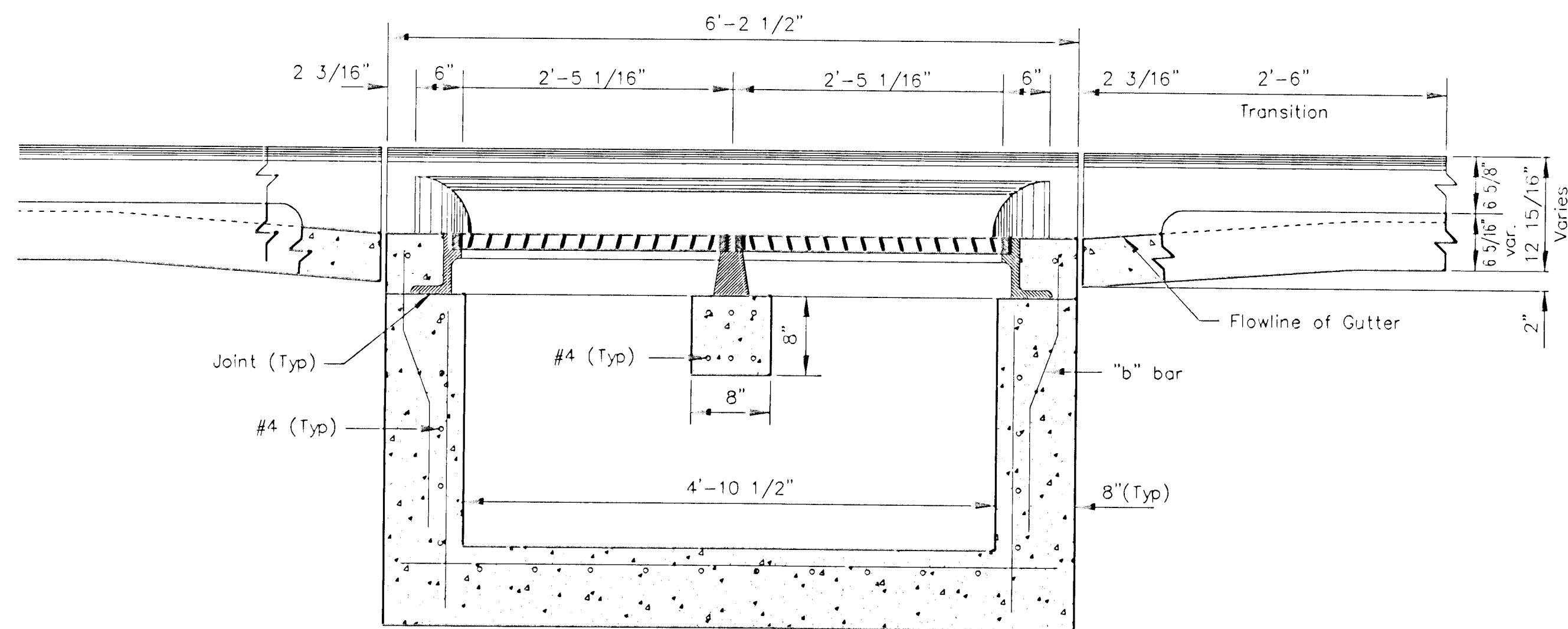


General Notes

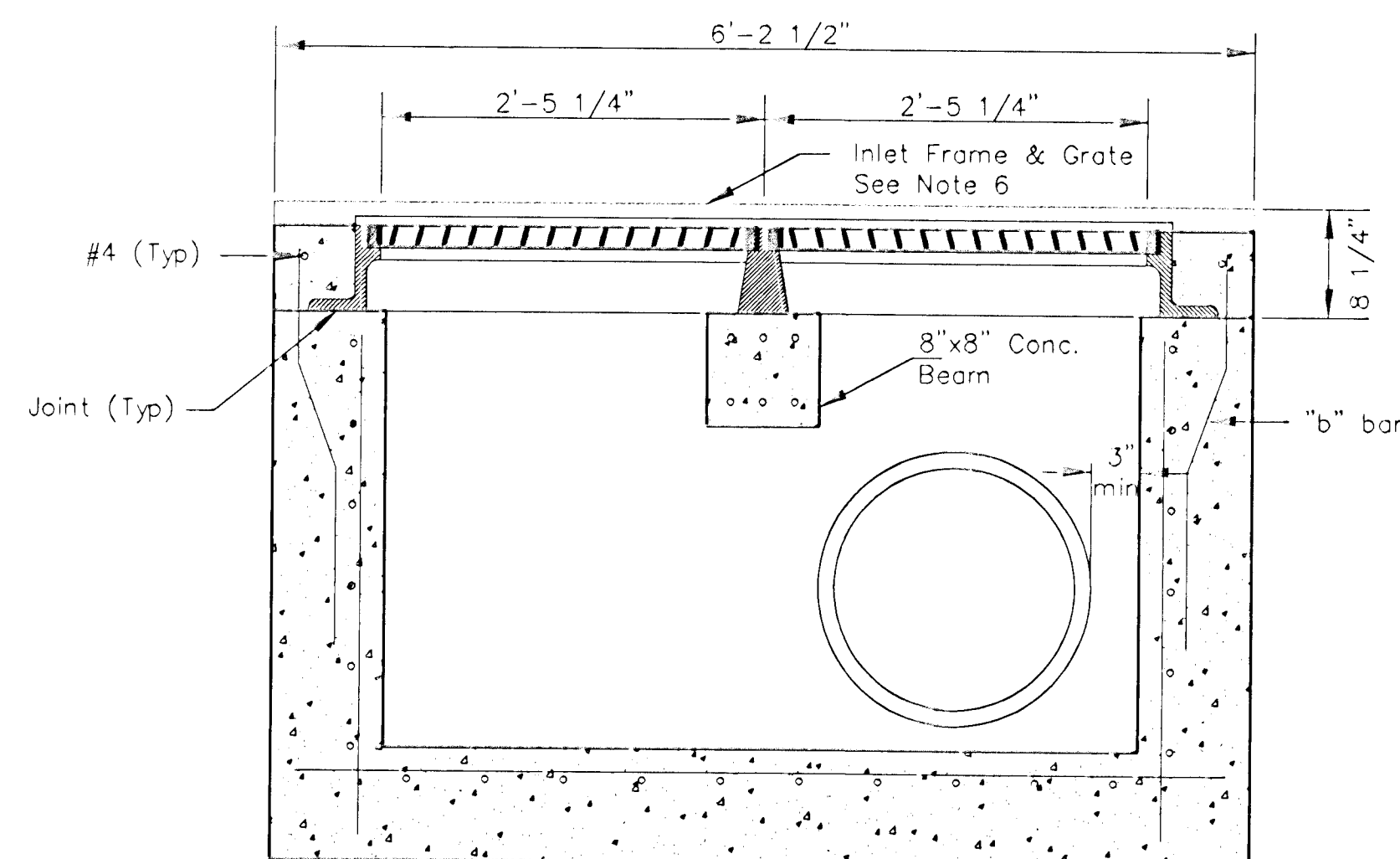
1. Use the concrete mix specified for the City of Wichita concrete pavement throughout. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.
2. Inlet invert shall be shaped with 8 sack mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
3. All bars are #4 with 6" spacing and shall have a minimum clearance of 1 1/2" inches unless otherwise noted on the plans.
4. No deductions will be made in pay length of curb, gutter, or curb and gutter through the inlet area.
5. Use Neenah R-3288 HV Inlet Frame w/ two piece Grate or approved equal. Inlet frame to be proof load tested to 40,000 lbs. on unsupported side.
6. Reinforcing bars shall be cut or bent around pipes. No deduction in concrete quantities shall be made for pipe openings.
7. The vanes of the grate shall be oriented with respect to the flow arrows shown on the plans.
8. Around manhole opening in top slab use #5 bar @ 45° angle to other bars. Length = MH opening + 2'0"



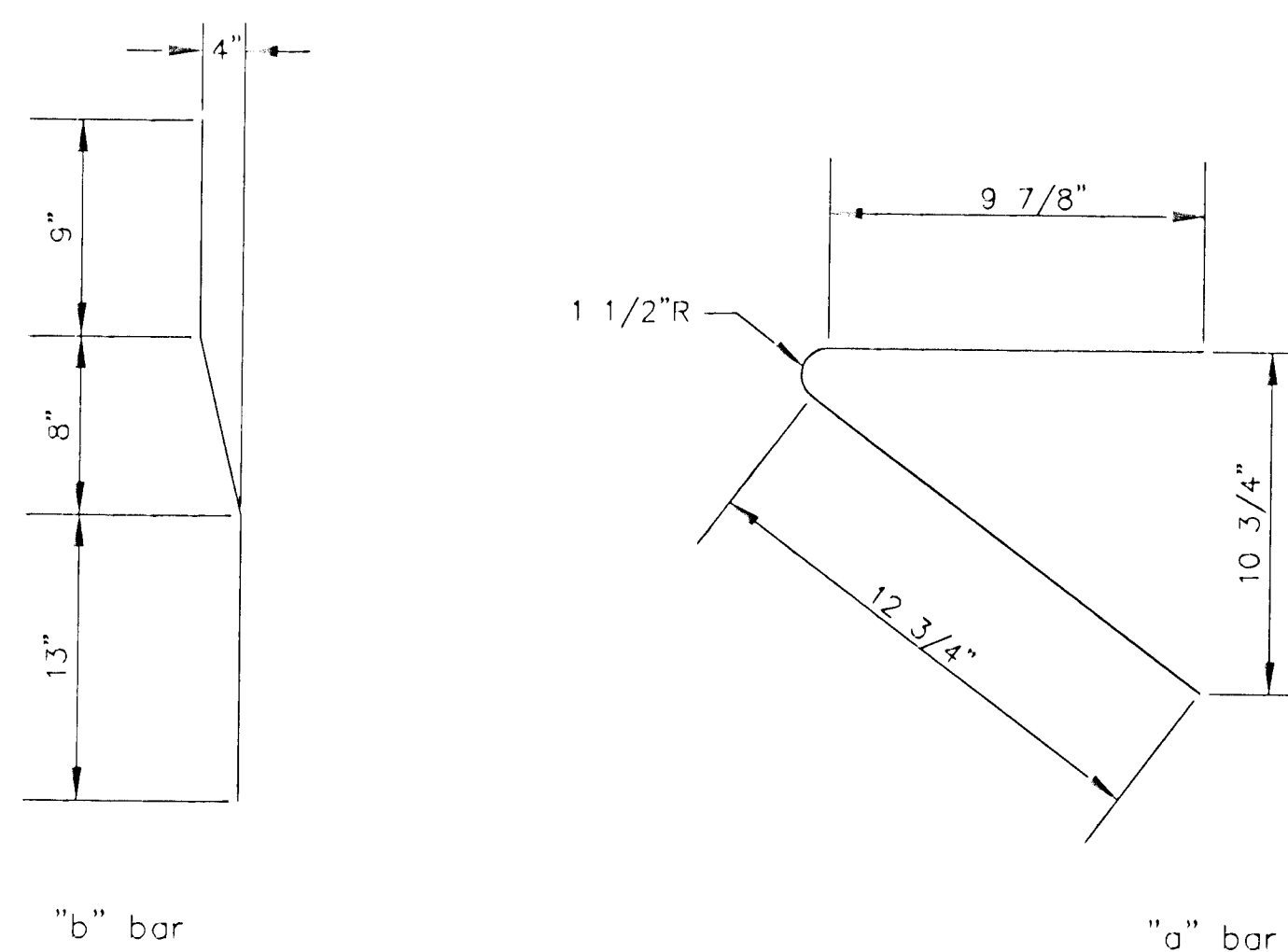
SPECIAL TYPE II INLET/MANHOLE INLET OPENING 6" x 4'-10 1/8"	
M. E. LINDEBAK P.E. - CITY ENGINEER	
PROJECT NUMBER 472-83232	INDEX CODE 765633
DATE MAR 96	SHEET 12 OF 23



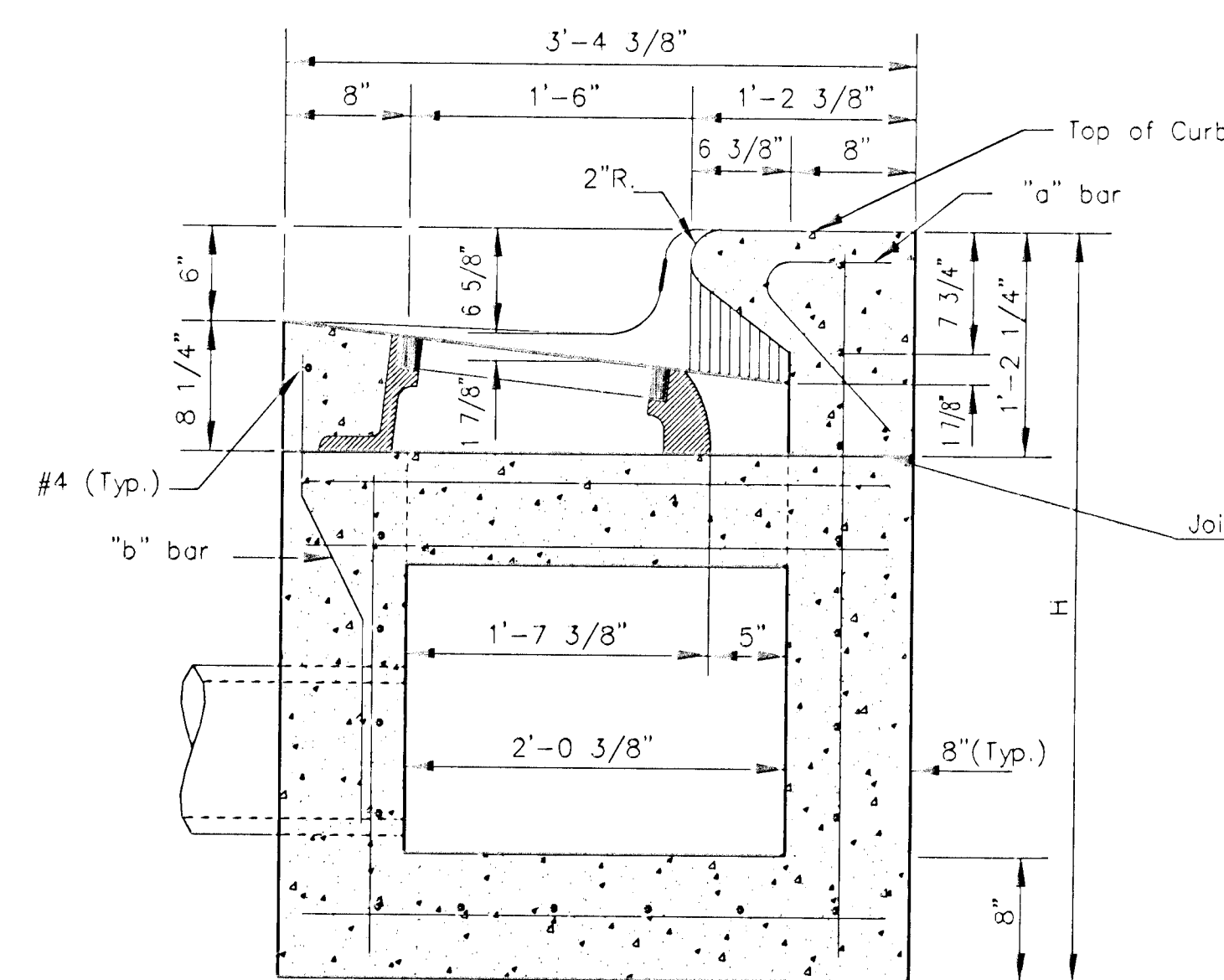
SECTION C-C



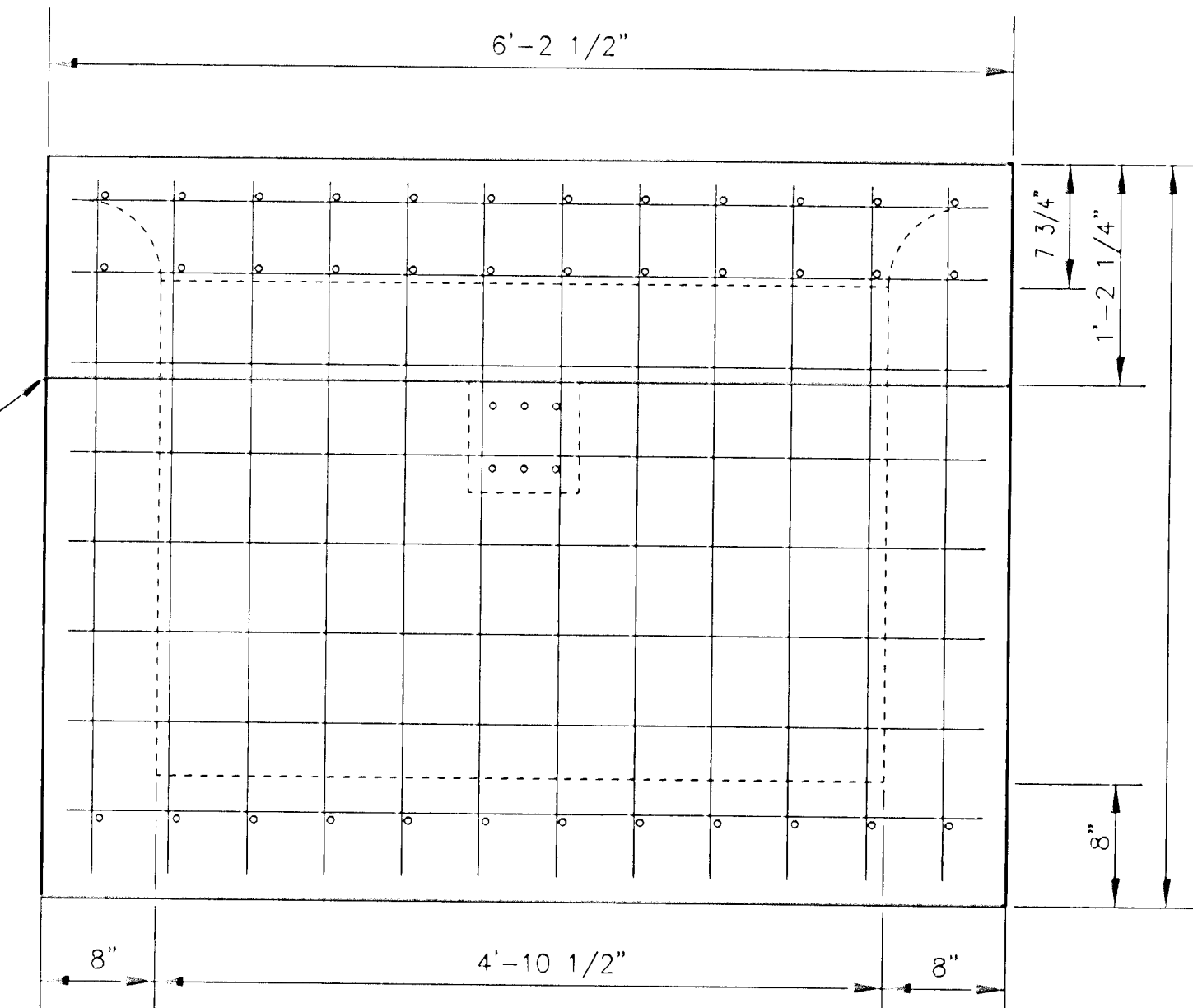
SECTION D-D



BENDING DIAGRAM



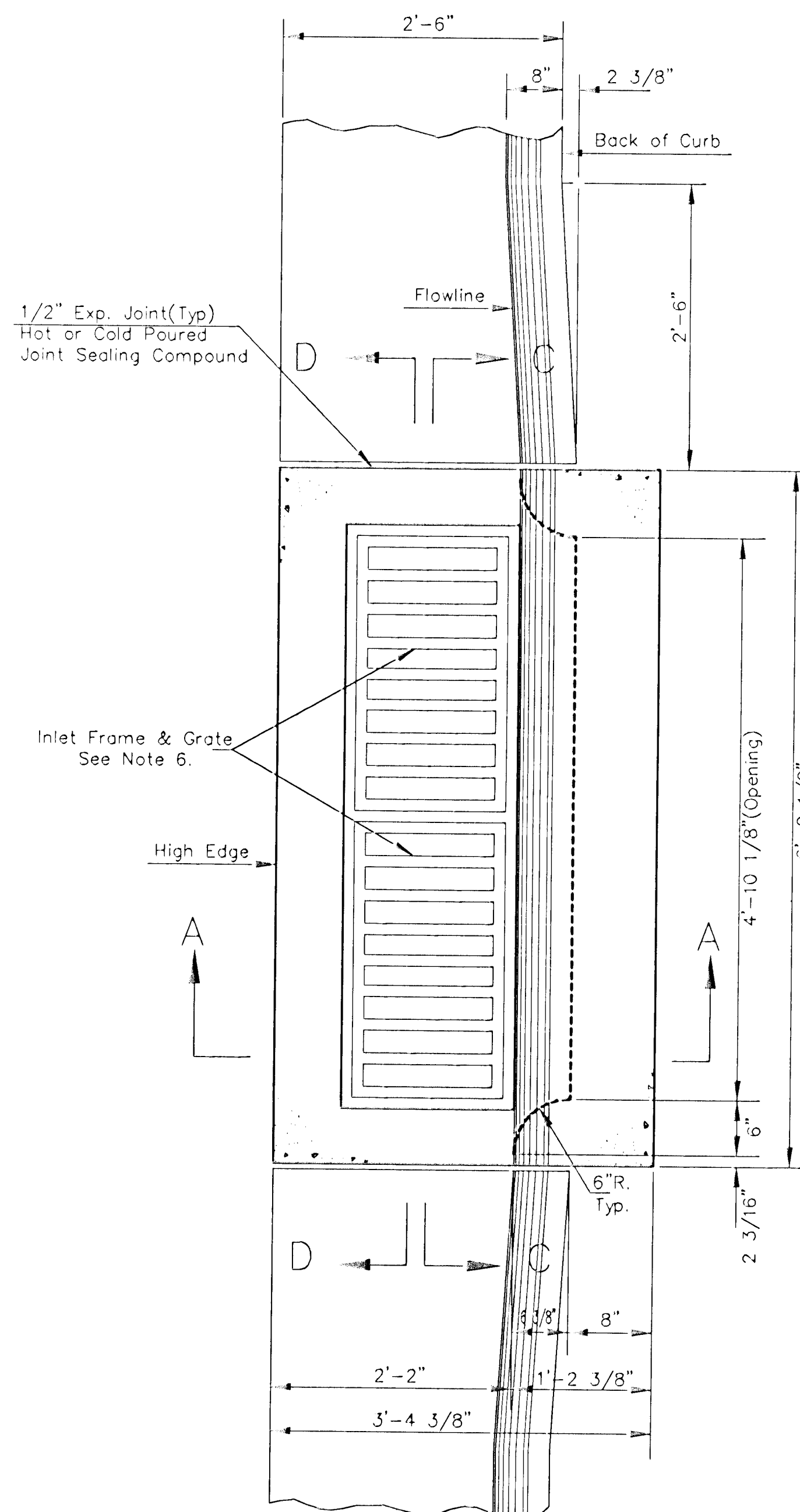
SECTION A-A



REAR WALL

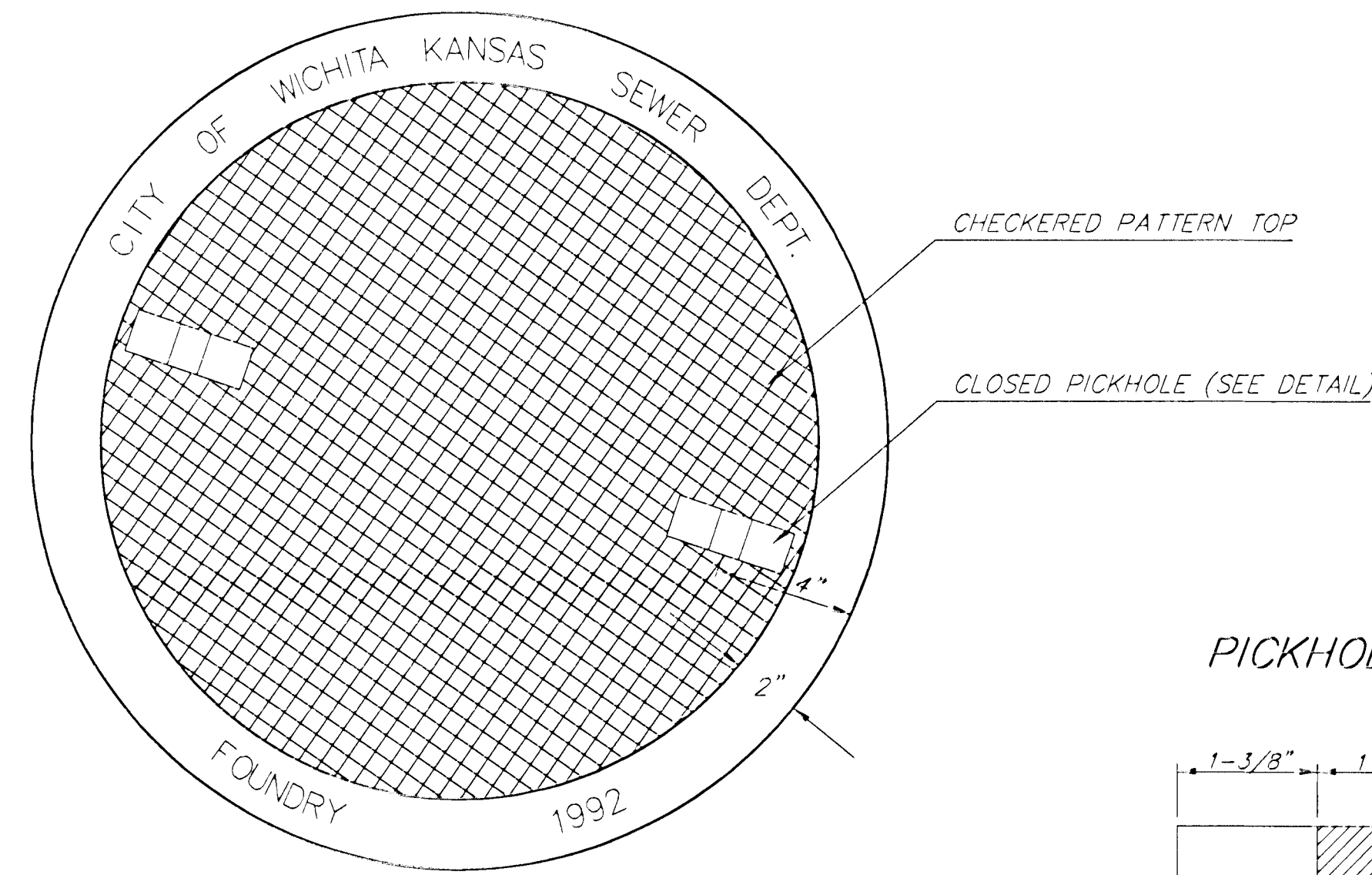
GENERAL NOTES

1. Use the concrete mix specified for the City of Wichita concrete pavement throughout. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.
2. Inlet invert shall be shaped with 8 sack mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
3. All bars are #4 with 6" spacing and shall have a minimum clearance of 1 1/2 inches unless otherwise noted on the plans.
4. When directed by the Engineer, a small opening may be required in the back of the inlet in order to drain a low area. Reinforcing bars will extend through the openings. No deductions in concrete quantities will be made for these openings.
5. No deductions will be made in pay length of curb, gutter, or curb and gutter through the inlet area.
6. Use Neenah R-3288 HV Inlet Frame with Two Piece Grate or approved equal. Inlet frame to be proof load tested to 40,000 lbs. on unsupported side.
7. Reinforcing bars shall be cut or bent around pipes. No deduction in concrete quantities shall be made for pipe openings.
8. The vanes of the grate shall be oriented with respect to the flow arrows shown on the plans.
9. DEETER FOUNDARY, Inc. casting No. 2442/43 with style H grate is an approved equal to NEENAH castings specified. Inlet drawing is based on NEENAH castings and concrete walls and supports will require some field modification to accommodate DEETER castings.



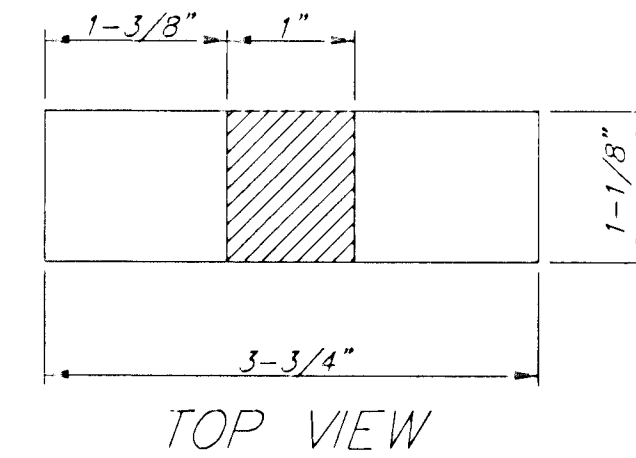
THE CITY OF WICHITA CITY ENGINEER'S OFFICE 455 NORTH MAIN STREET WICHITA, KANSAS 67202 (316) 268-4501 (316) 268-4114 FAX	STANDARD TYPE II INLET OPENING 6" x 4'-10 1/8"	
	M. E. LINDEBAK P.E. - CITY ENGINEER	
	PROJECT NUMBER 472-83232	CCA NO. 765633
	DATE MAR 96	SHEET 13 OF 23

MANHOLE COVER
Weight = 180 Lbs.

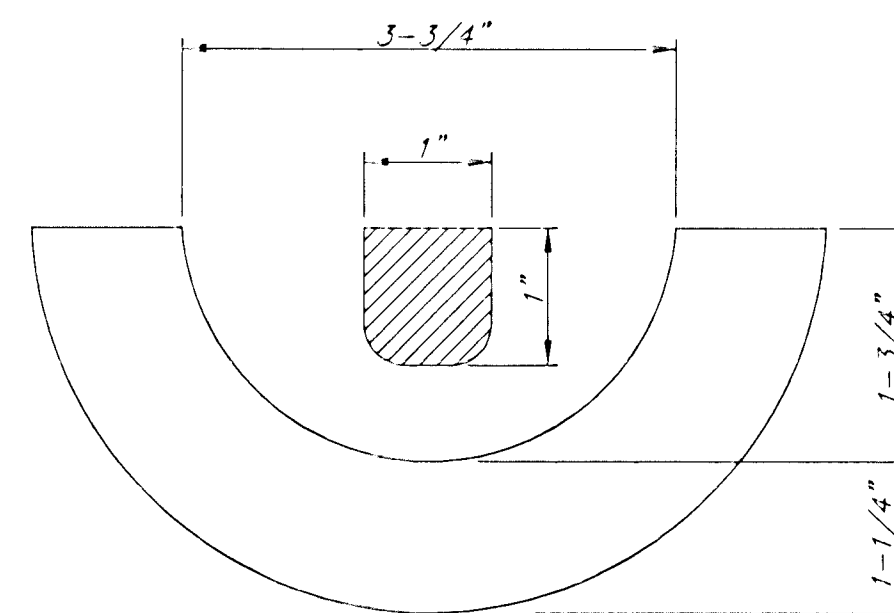


TOP VIEW

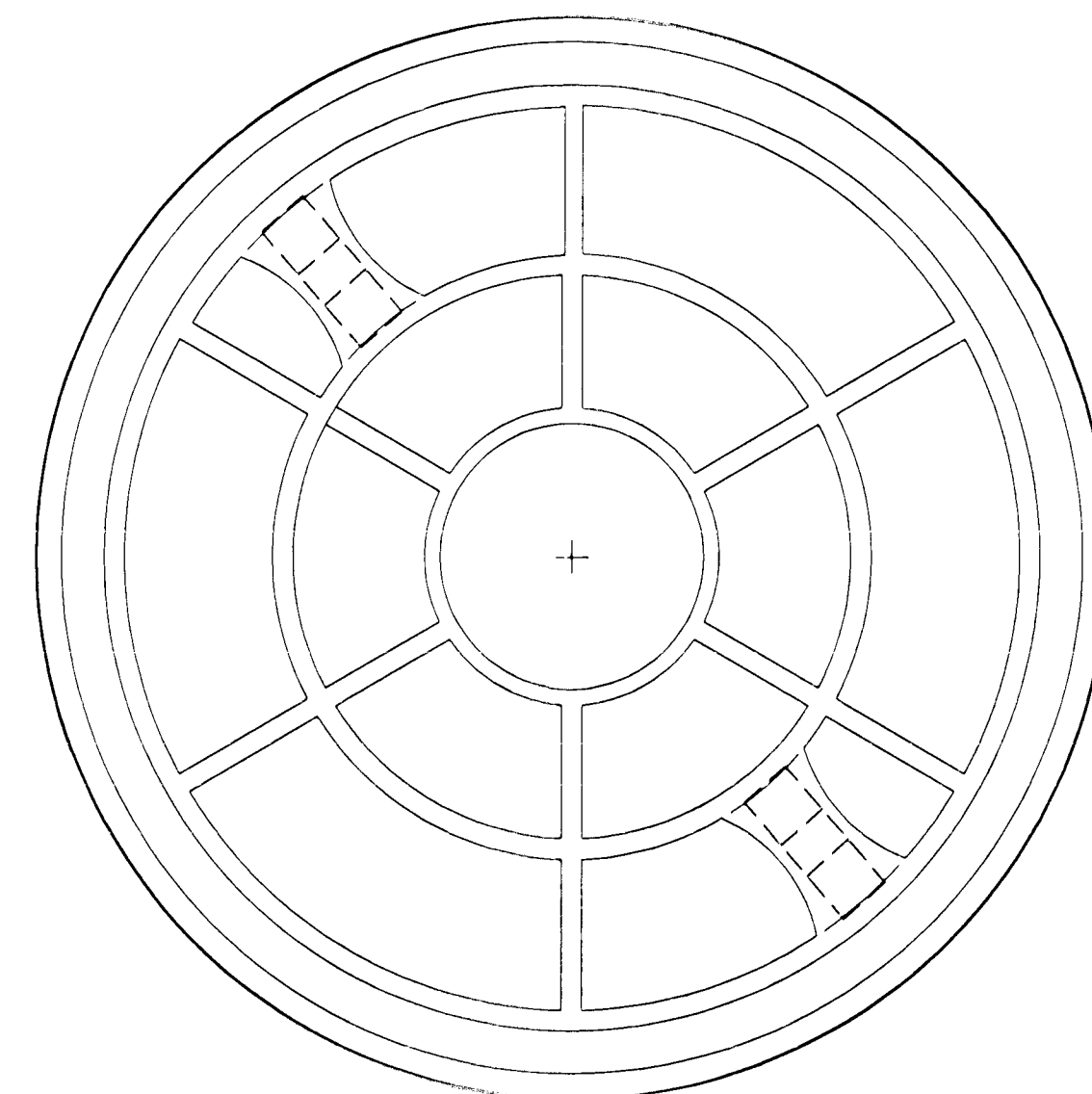
PICKHOLE DETAIL



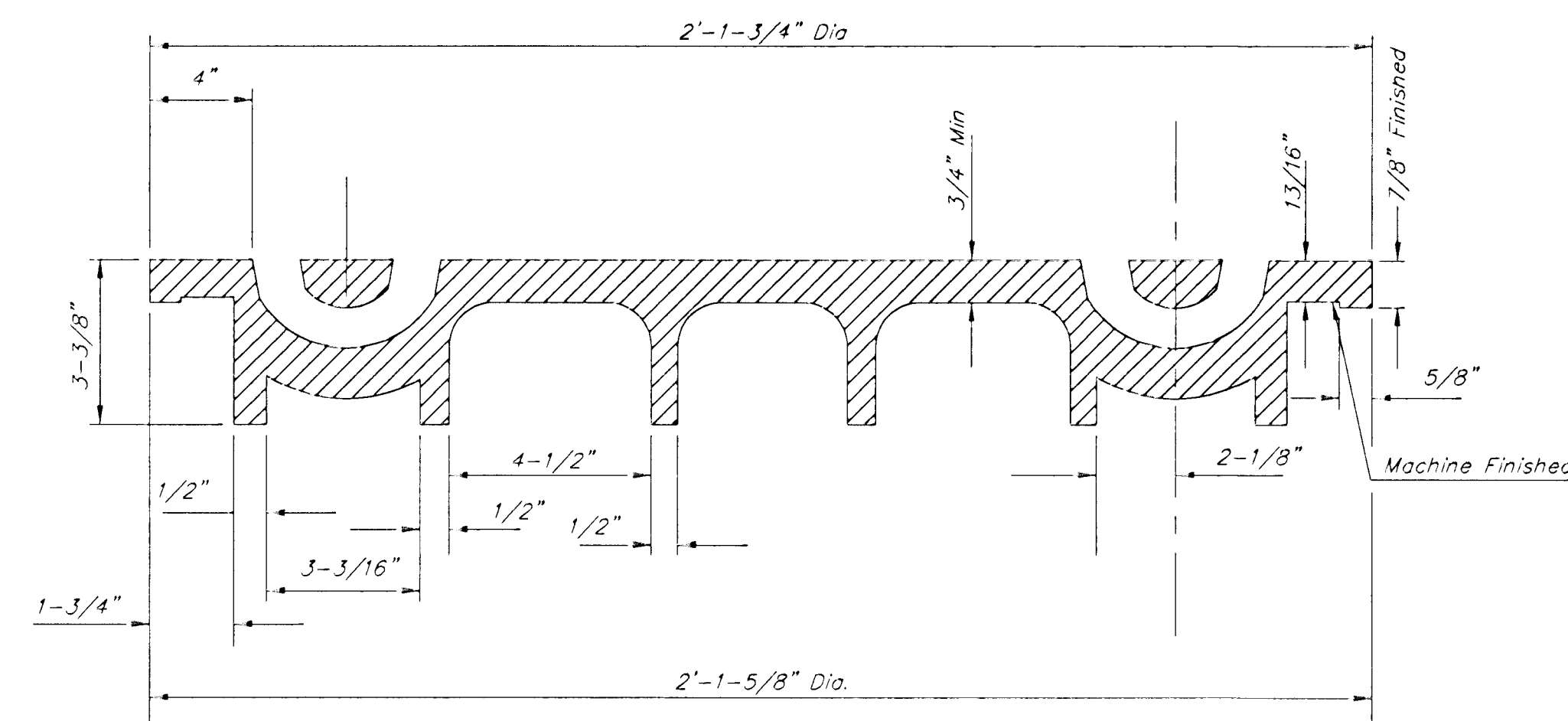
TOP VIEW



SECTION VIEW



BOTTOM VIEW

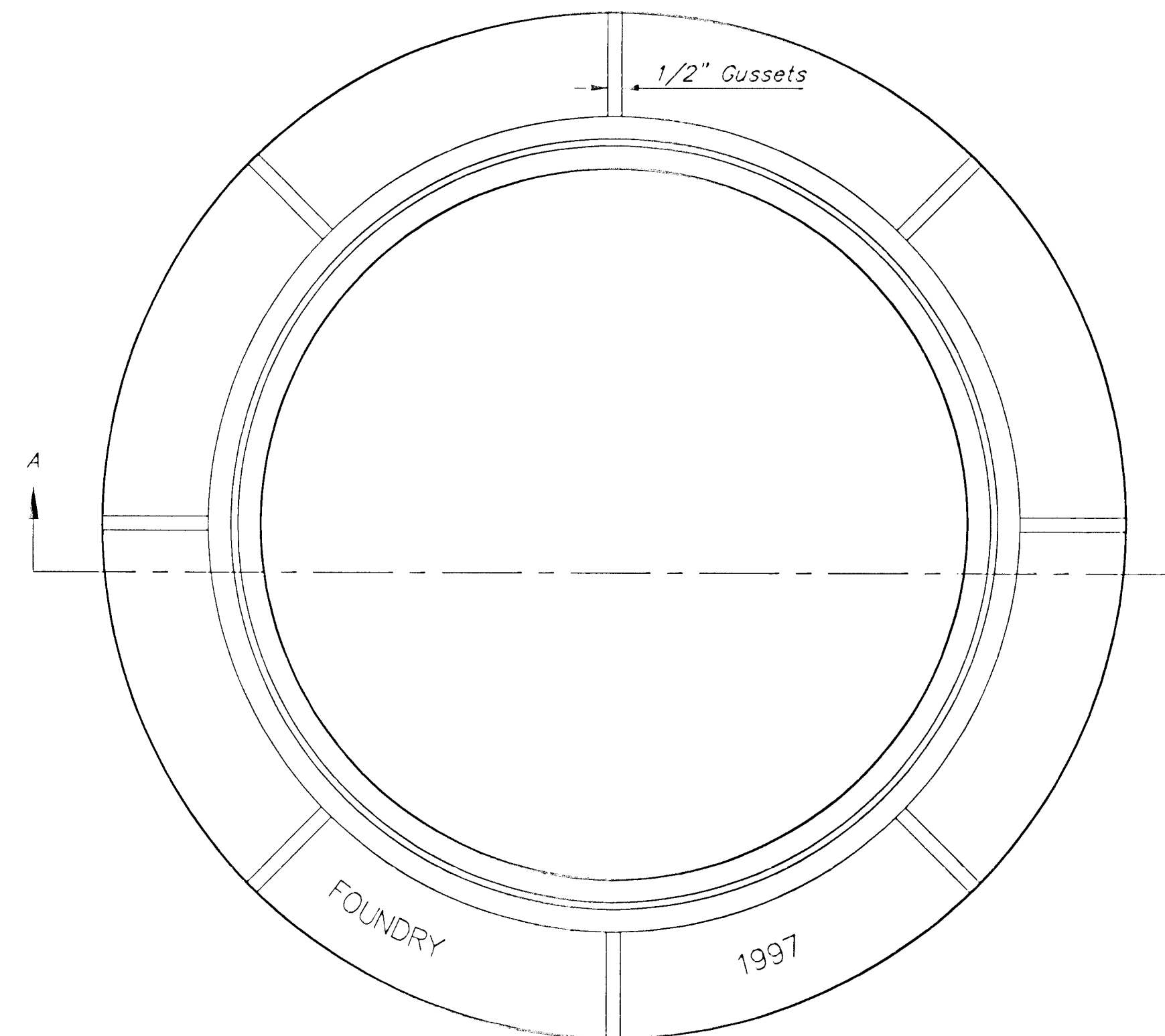


SECTION VIEW

MANHOLE FRAME AND COVER DETAIL

ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

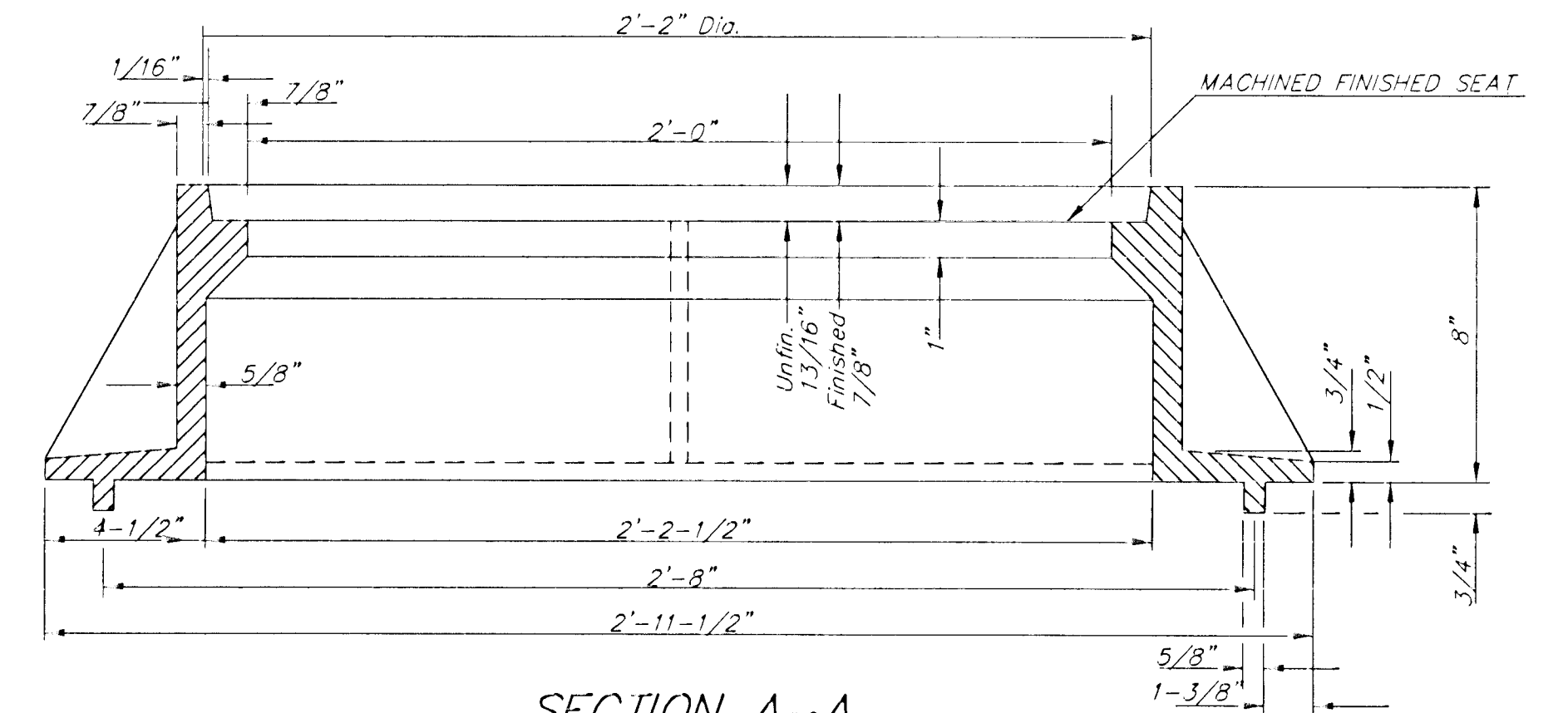
MANHOLE FRAME
Weight = 240 Lbs.



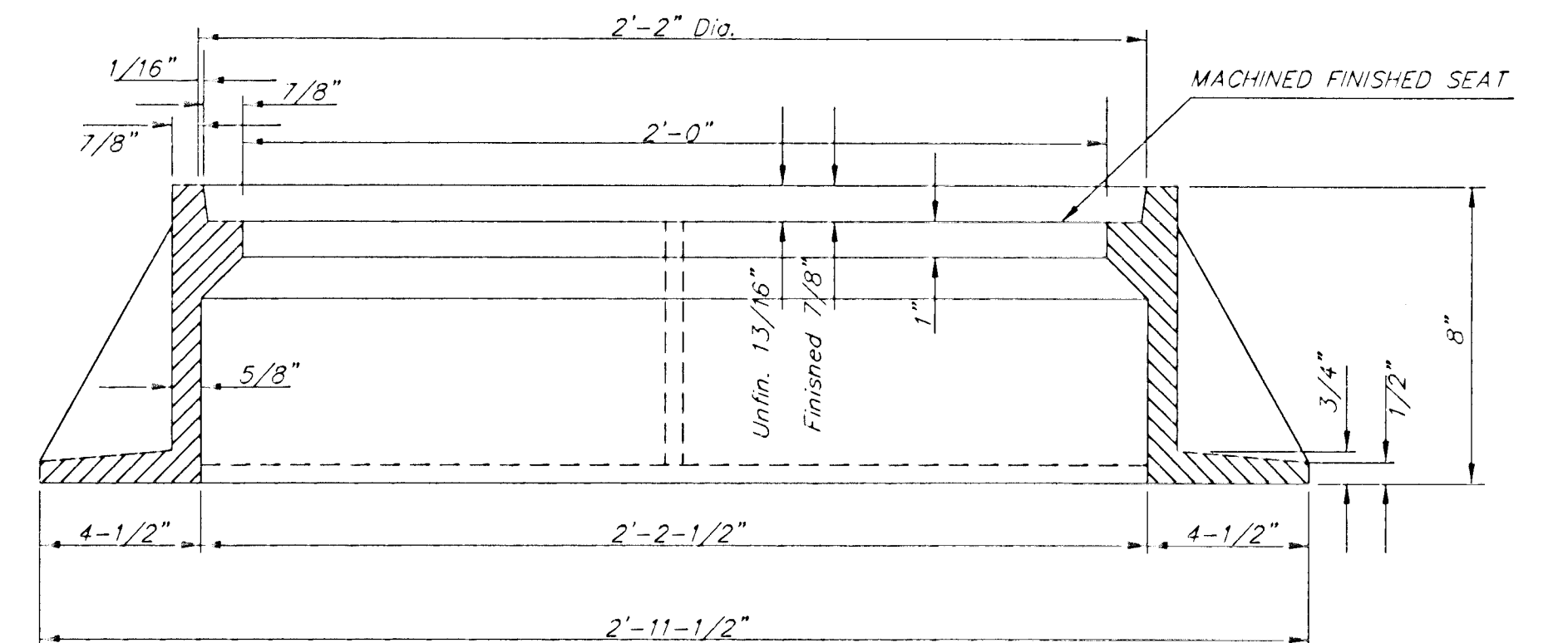
TOP VIEW

GENERAL NOTES

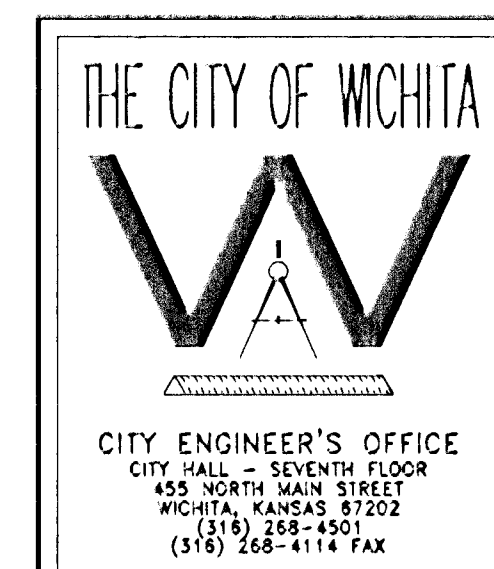
- MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
- MANHOLE CASTINGS SHALL WEIGH A MINIMUM OF 180 POUNDS ON THE SOLID COVER AND 240 POUNDS ON THE MANHOLE RING. THIS IS A TOTAL OF 420 POUNDS ON A RING AND COVER SET. CASTINGS WEIGHING LESS THAN THE MINIMUM SPECIFICATIONS WILL NOT BE ACCEPTED.
- MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
- THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SEATING SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
- THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1 INCH IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.



SECTION A-A
MUD RING



SECTION A-A



MANHOLE FRAME
AND COVER

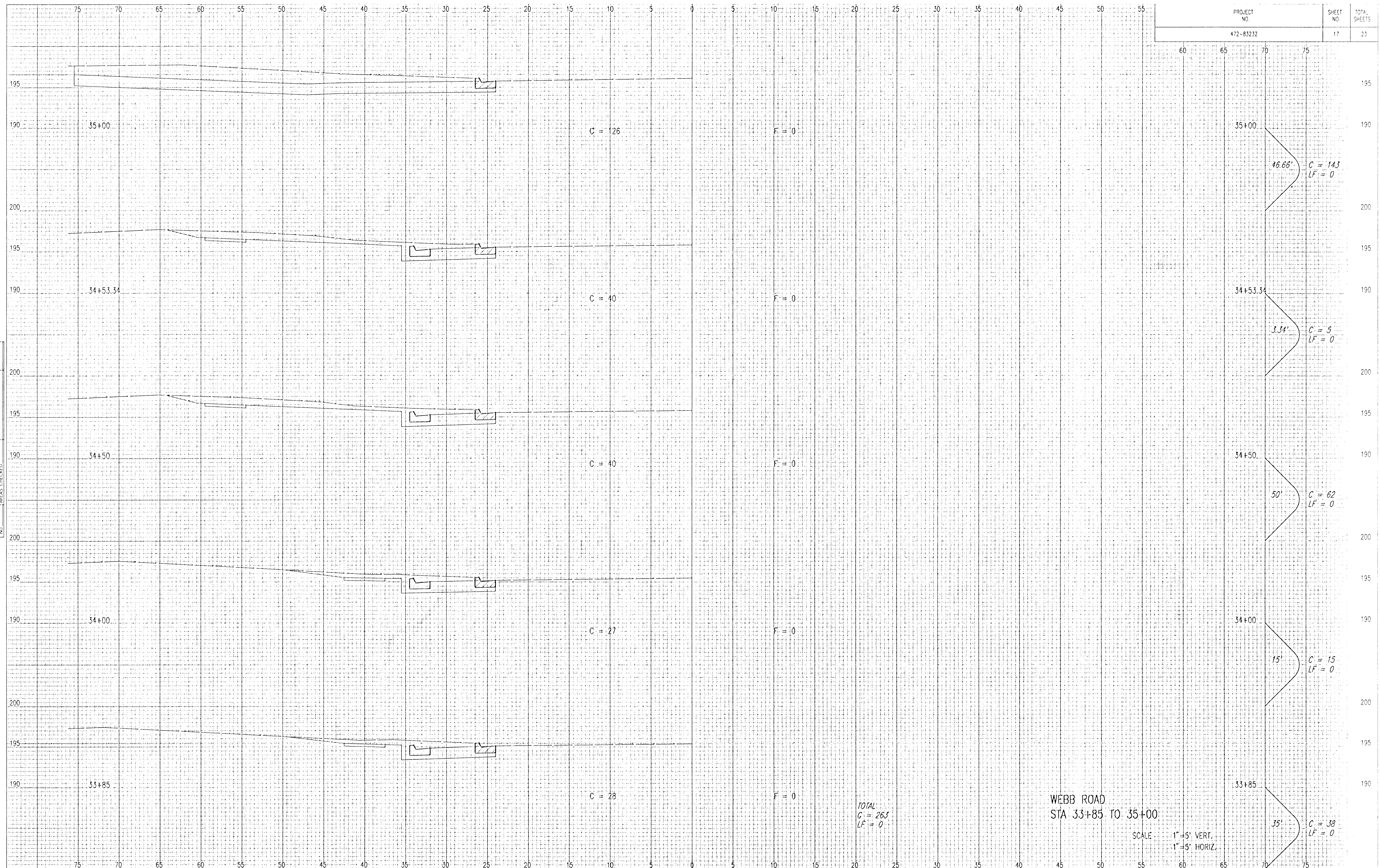
M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER
472-83232

DATE
MAR 96

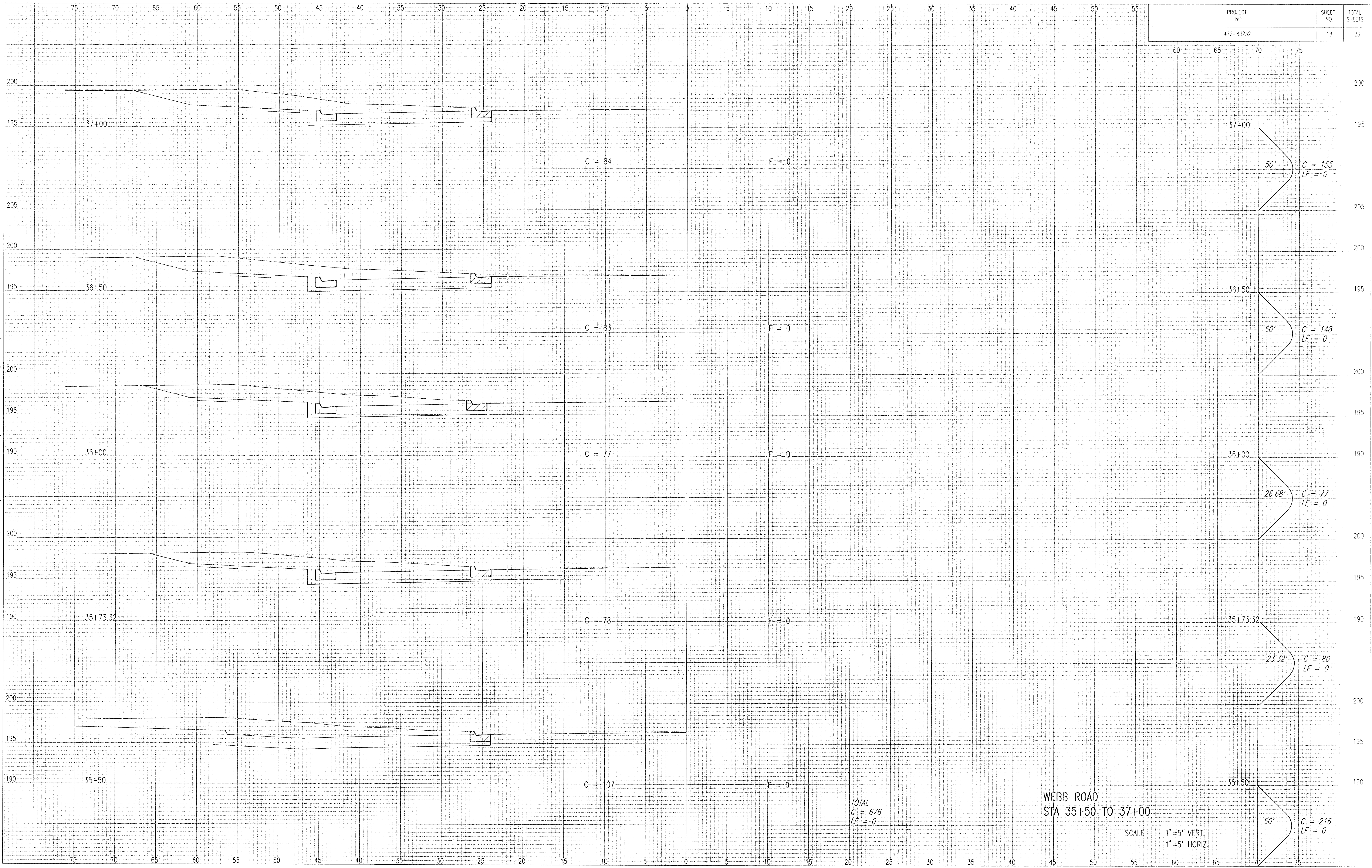
SHEET 14 OF 23

NOTE BOOK	TEMPLATE				
NO	AREAS CHECKED				



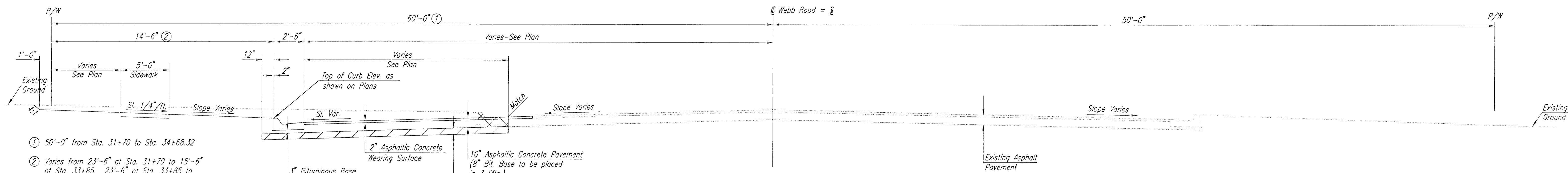
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83232	18	23

NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED



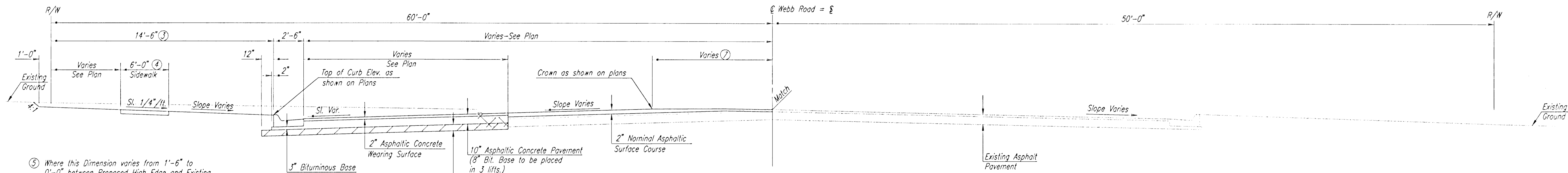
WEBB ROAD
STA 35+50 TO 37+00

SCALE 1"=5' VERT.
1"=5' HORIZ.



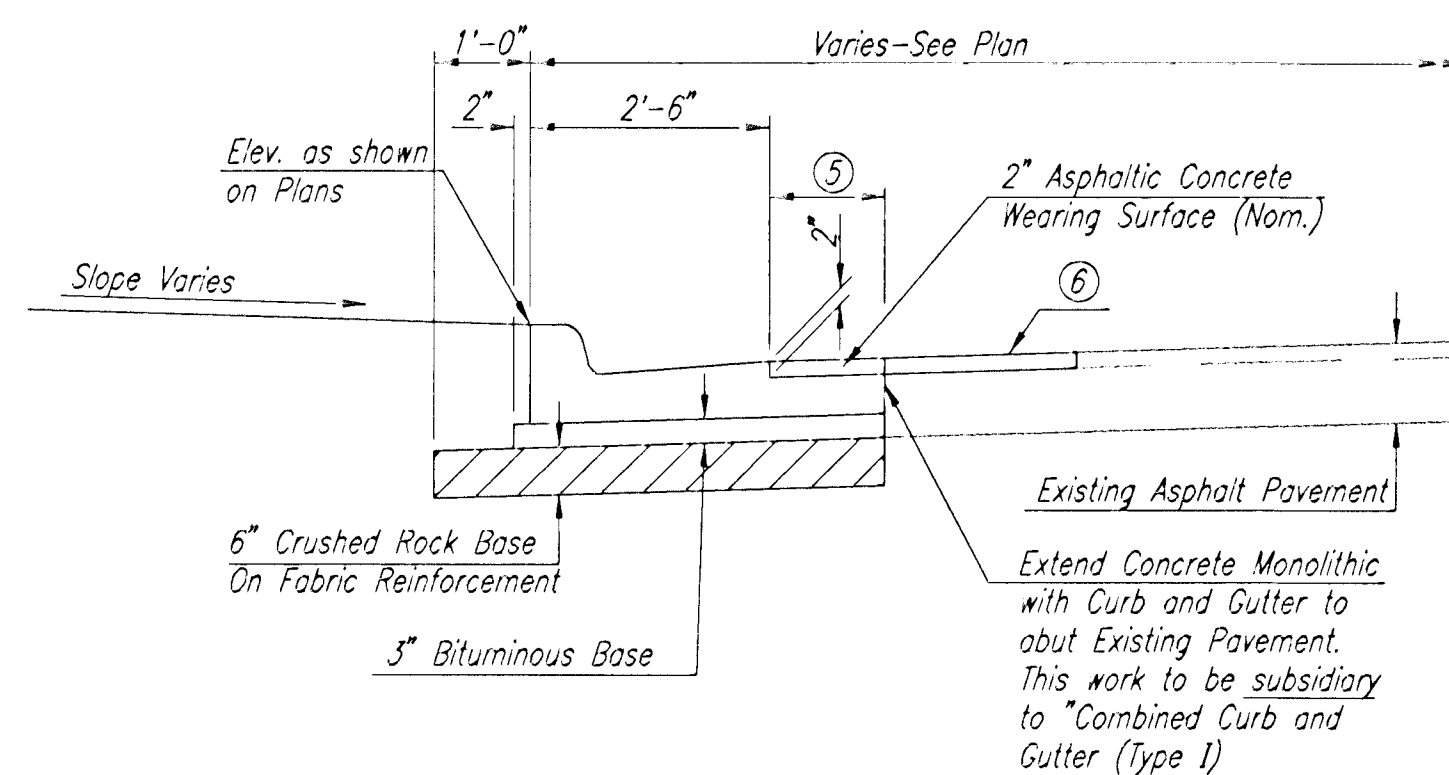
TYPICAL SECTION
STA. 31+70 TO STA. 40+50

- ① 50'-0" from Sta. 31+70 to Sta. 34+68.32
- ② Varies from 23'-6" at Sta. 31+70 to 15'-6" at Sta. 33+85. 23'-6" at Sta. 33+85 to Sta. 34+53.34
- ③ Varies from 14'-6" at Sta. 41+84 to 18'-6" at Sta. 45+81. Varies from 18'-6" at Sta. 45+81 to 19'-0"± at Sta. 46+75
- ④ 5'-0" at Sta. 40+50 to Sta. 42+12.22. Varies from 5'-0" at Sta. 42+12.22 to 6'-0" at Sta. 42+72.22

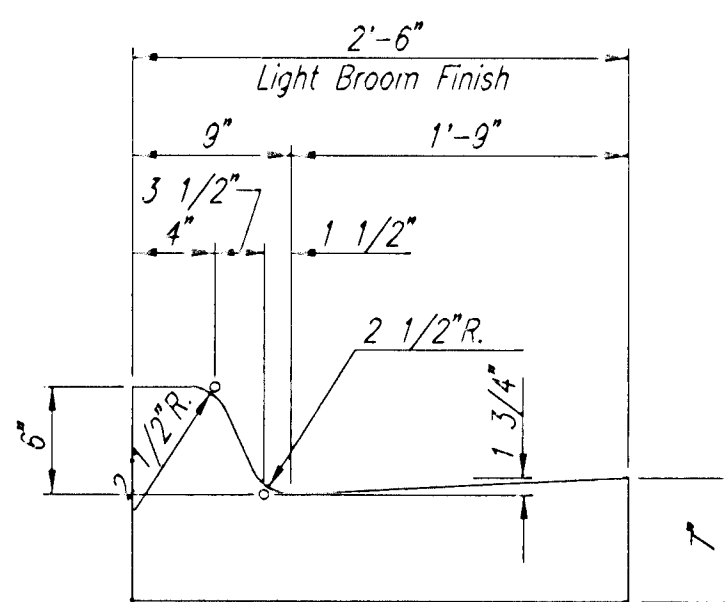


TYPICAL SECTION
STA. 40+50 TO STA. 46+75

- ⑤ Where this Dimension varies from 1'-6" to 0'-0" between Proposed High Edge and Existing Pavement.
- ⑥ Saw Cut, Remove and Replace Surface Course, as necessary to provide a neat line. This work to be subsidiary to Asphalt Pavement.
- ⑦ Varies from 0'-0" at Sta. 40+50 to 10'-0" at Sta. 41+84. Varies from 10'-0" at Sta. 41+84 to 6'-0" at Sta. 45+81. Varies from 6'-0" at Sta. 45+81 to 0'-0" at Sta. 46+75.



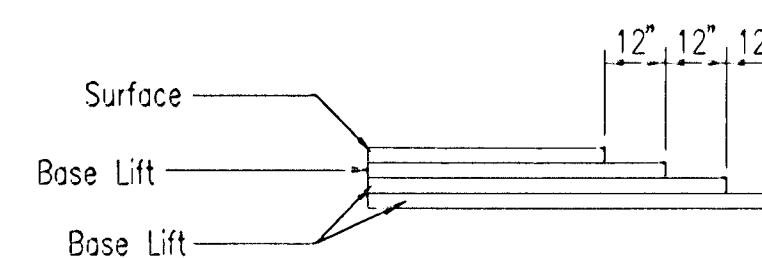
DETAIL A



COMBINED CURB AND GUTTER
TYPE I

CRUSHED ROCK GRADATION REQUIREMENTS PERCENT OF AGGREGATE RETAINED	
2-1/2"	0
3/4"	20-60
#4	50-80
#40	80-94
#200	90-98

ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 10" ASPHALTIC CONCRETE (8" BITUMINOUS BASE).

GENERAL NOTES

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

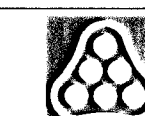
A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

WEBB ROAD SOUTH OF 21ST STREET NORTH

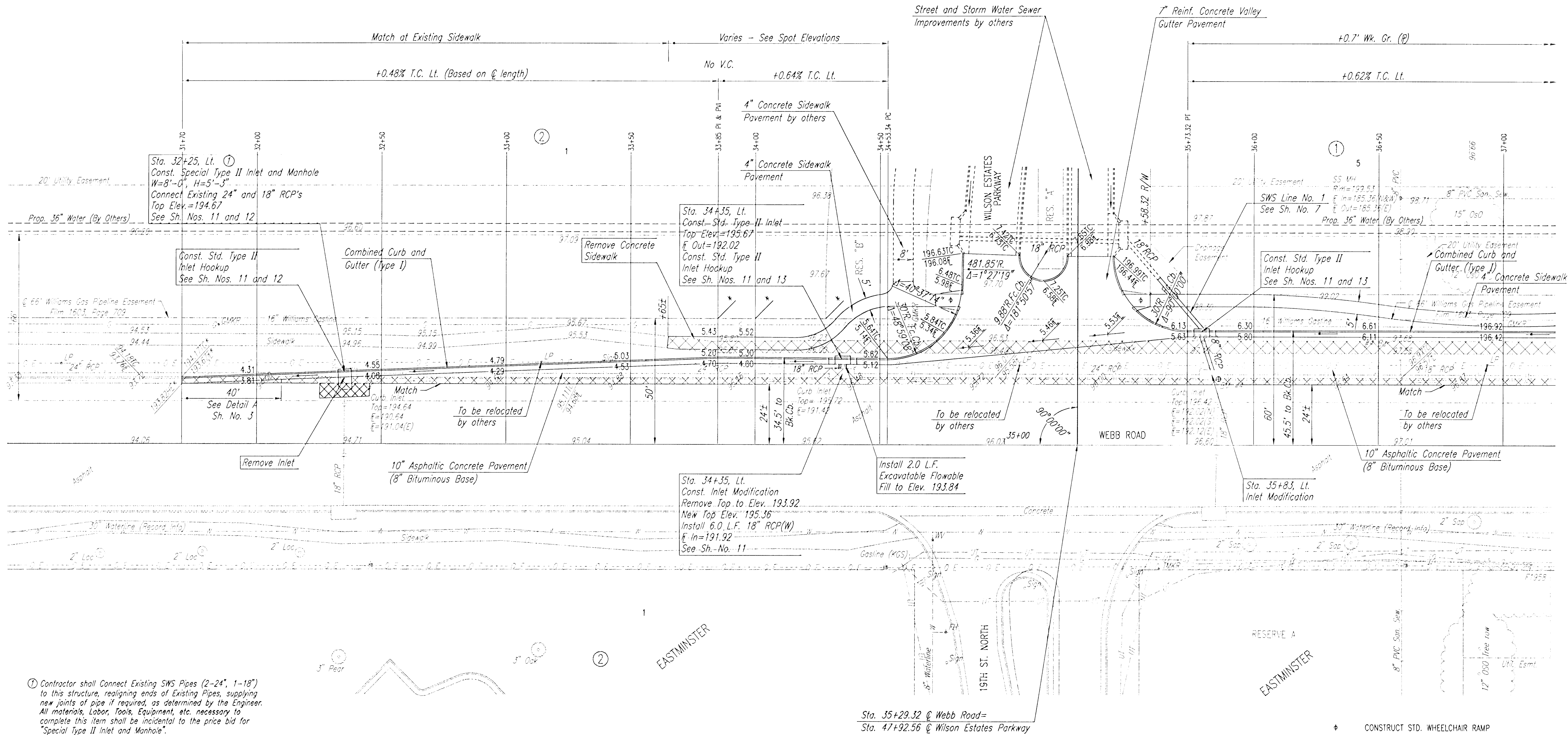
TYPICAL SECTIONS



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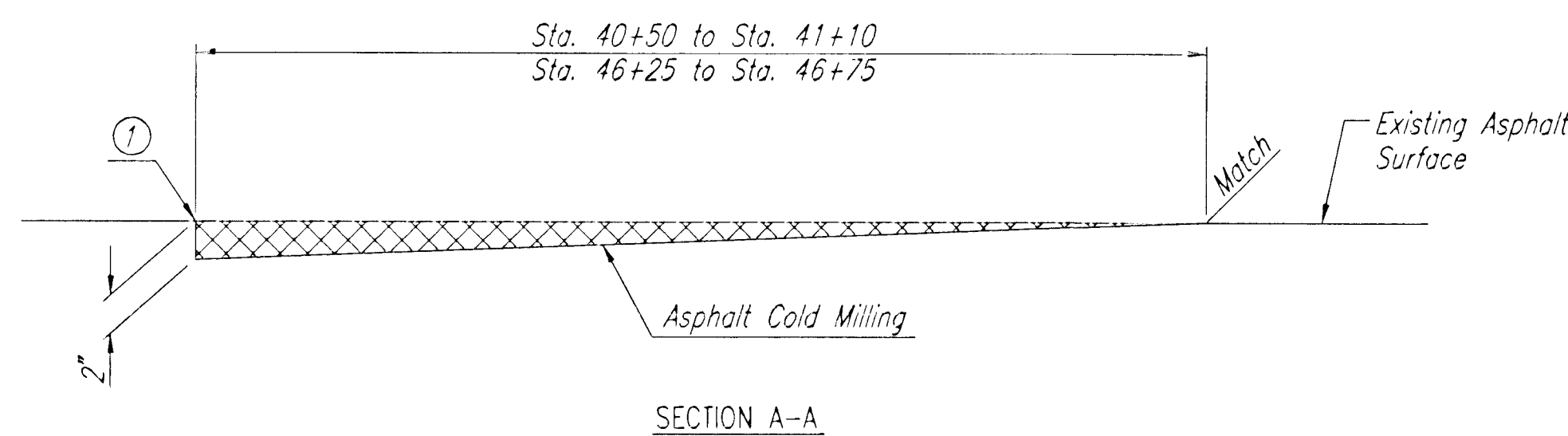
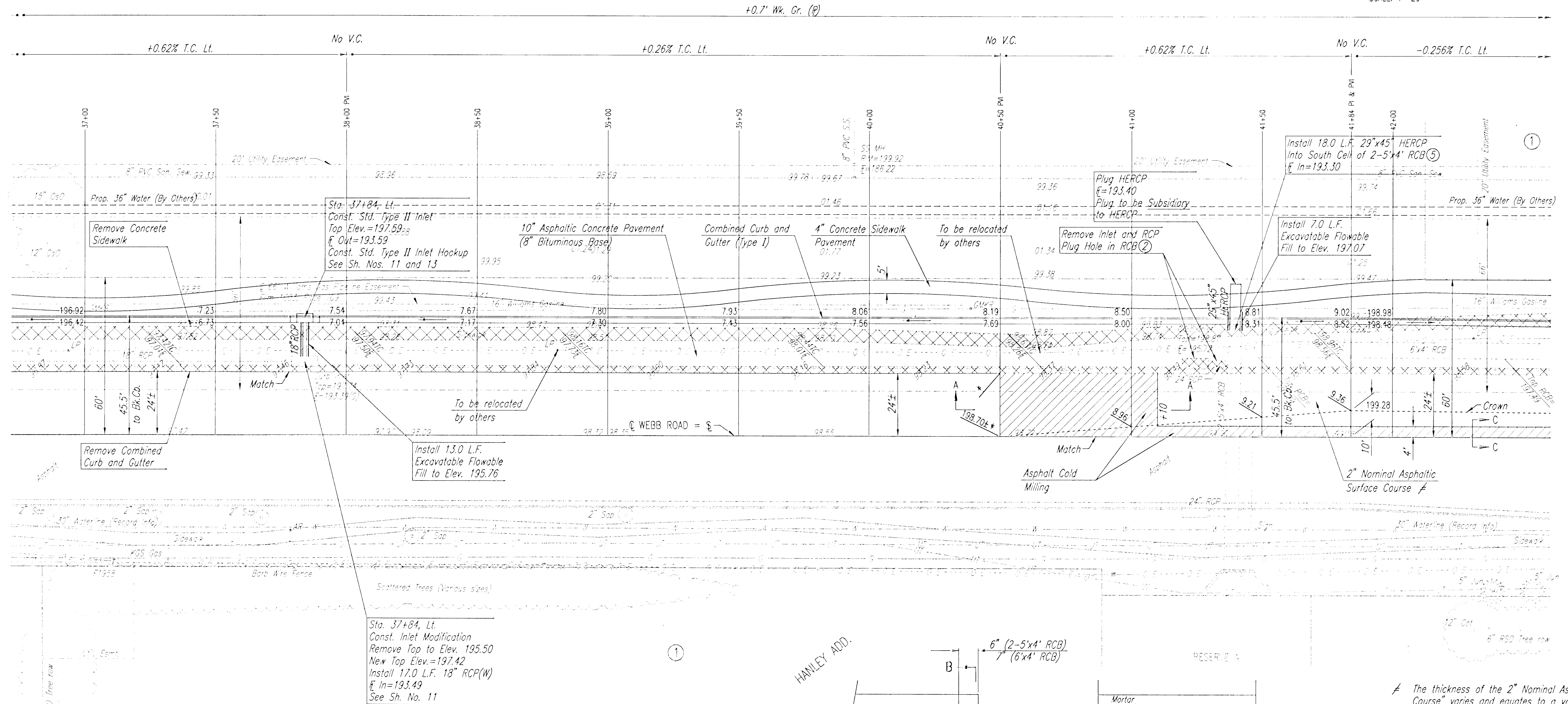
Designed by	BER, GDD	Checked by	
Drawn by	DEP	Date	MARCH, 2000
		Job No.	00034-1

SCALE: 1"=20'



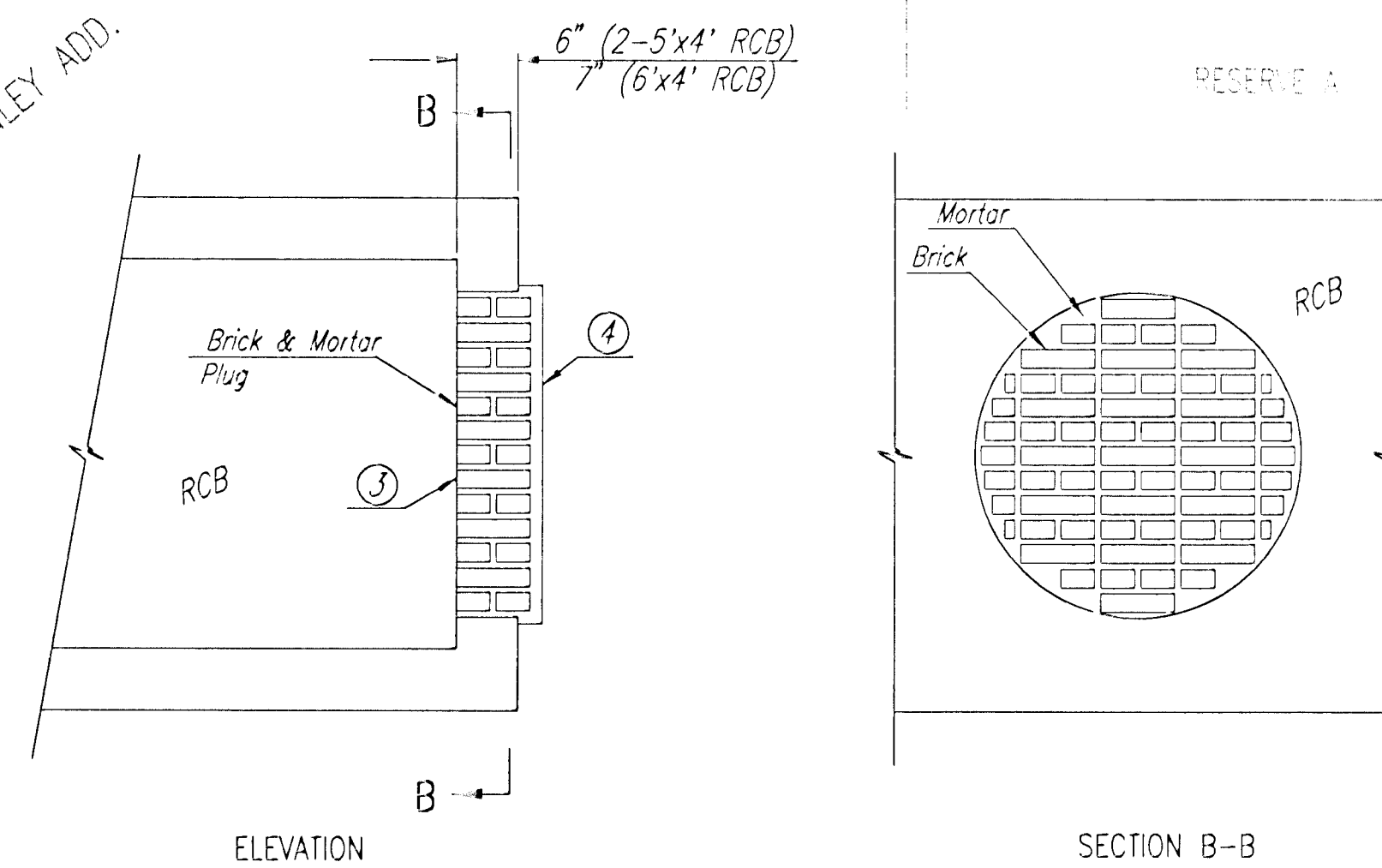
① Contractor shall Connect Existing SWS Pipes (2-24", 1-18") to this structure, realigning ends of Existing Pipes, supplying new joints of pipe if required, as determined by the Engineer. All materials, Labor, Tools, Equipment, etc. necessary to complete this item shall be incidental to the price bid for "Special Type II Inlet and Manhole".

SCALE: 1"=20'



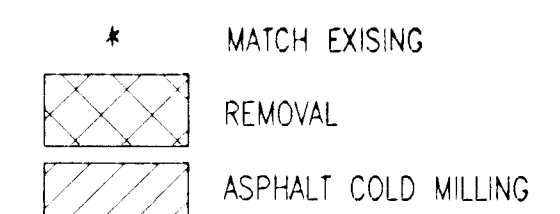
- ① Provide Vertical Plane. Saw Cut if necessary as determined by the Engineer. Saw Cut, if required, shall be Subsidiary to "Asphalt Cold Milling".
- ② Plug RCB as detailed. Plug shall be considered part of the bid item "RCB Repair".
- ③ Finish Brick and Mortar flush with inside Face of RCB Wall.
- ④ Coat outside of Plug with 1" Coat of Mortar
- ⑤ Cut hole in end of 2-5'x4' RCB and Grout Pipe in place with non-shrink Grout, Cut Pipe flush with inside Face of RCB. This work to be subsidiary to HERCP.

HANLEY ADD.



NOTE: THE CONSTRUCTION OF PLUGS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO "REMOVAL OF EXISTING STRUCTURES".

* The thickness of the 2" Nominal Asphaltic Surface Course varies and equates to a volume of Asphalt equal to 356.2 Tons computed at 145 lbs./Cu. Ft.



SEE SH. NO. 6 FOR SECTION C-C

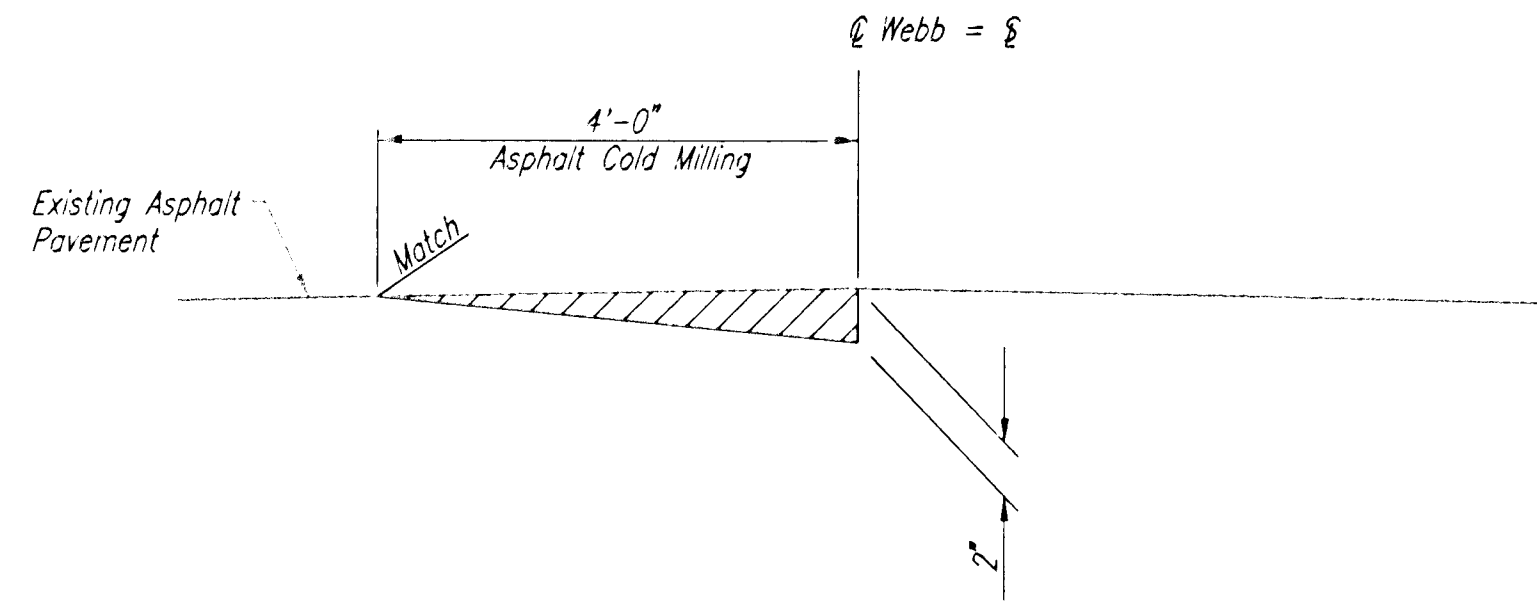
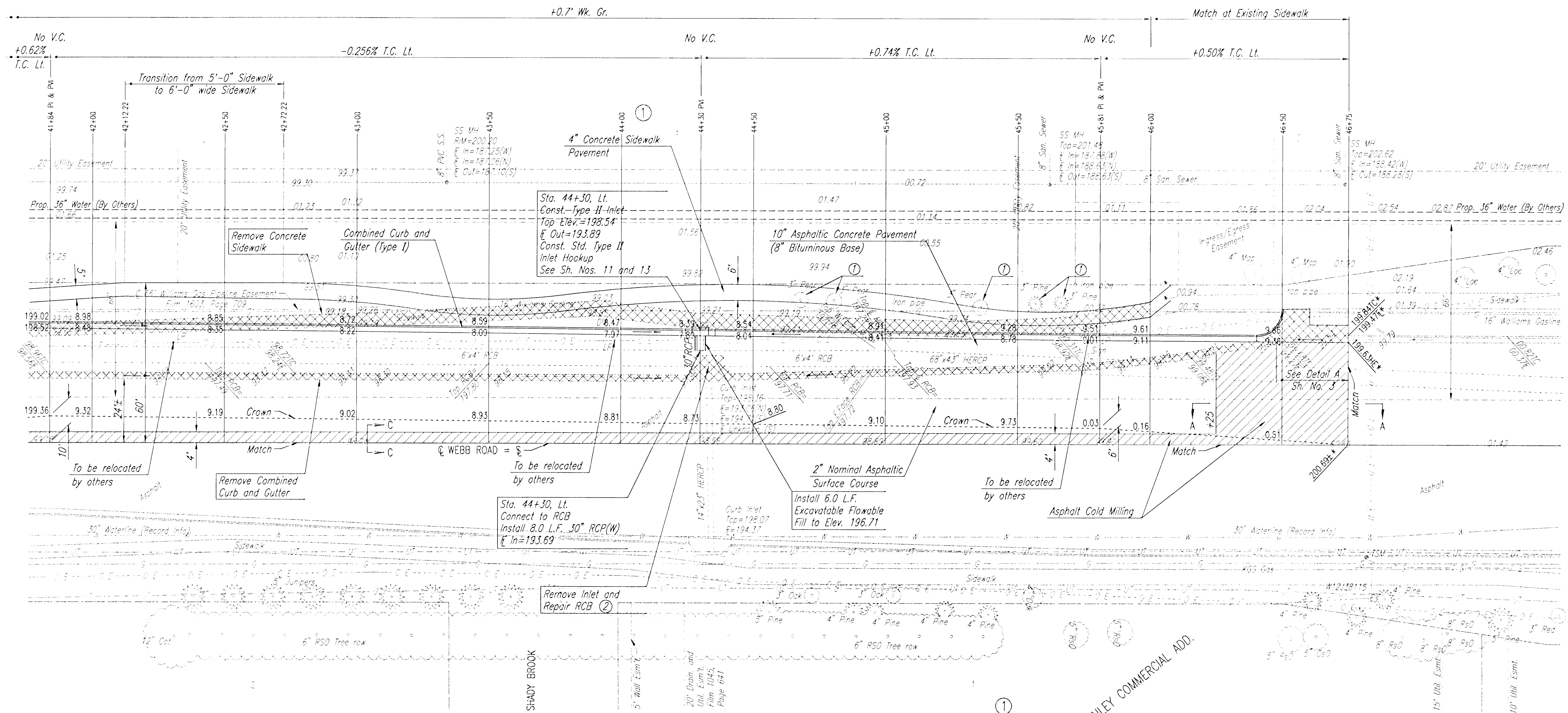
WEBB ROAD SOUTH OF 21ST STREET NORTH

WEBB ROAD
STA. 37+00.00 TO STA. 42+00.00

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SCALE: 1"=20'



SECTION C-C
Sta. 41+10 to Sta. 46+25

* MATCH EXISTING
REMOVAL
ASPHALT COLD MILLING

SEE SH. NO. 5 FOR SECTION A-A

- Contractor shall Relocate these five (5) trees within the limits of this project as directed by the Engineer. This work shall be part of the bid item "Site Clearing".
- Contractor shall extend 14"x25" HERCP thru the East Wall of the 6'x4' RCB and grout in place with non-shrink grout and cut pipe flush with inside face of RCB. Plug any excess opening in RCB as shown on Sh. No. 5. This work, including additional pipe, grout, plugging as needed, tools, Equipment, Labor and incidentals necessary to complete the connection shall be considered part of the bid item "RCB Repair".

WEBB ROAD SOUTH OF 21ST STREET NORTH

WEBB ROAD
STA. 42+00.00 TO STA. 46+75.00



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		Job No.	00034

Sta. 10+32.3, SWS Line No. 1=
@ Webb Road Sta. 35+83, Lt.
Const. Inlet Modifications
Remove to Elev. 194.52
New Top Elev.=196.20
Install 17.5 L.F. 18" RCP (W)
See Sh. No. 11

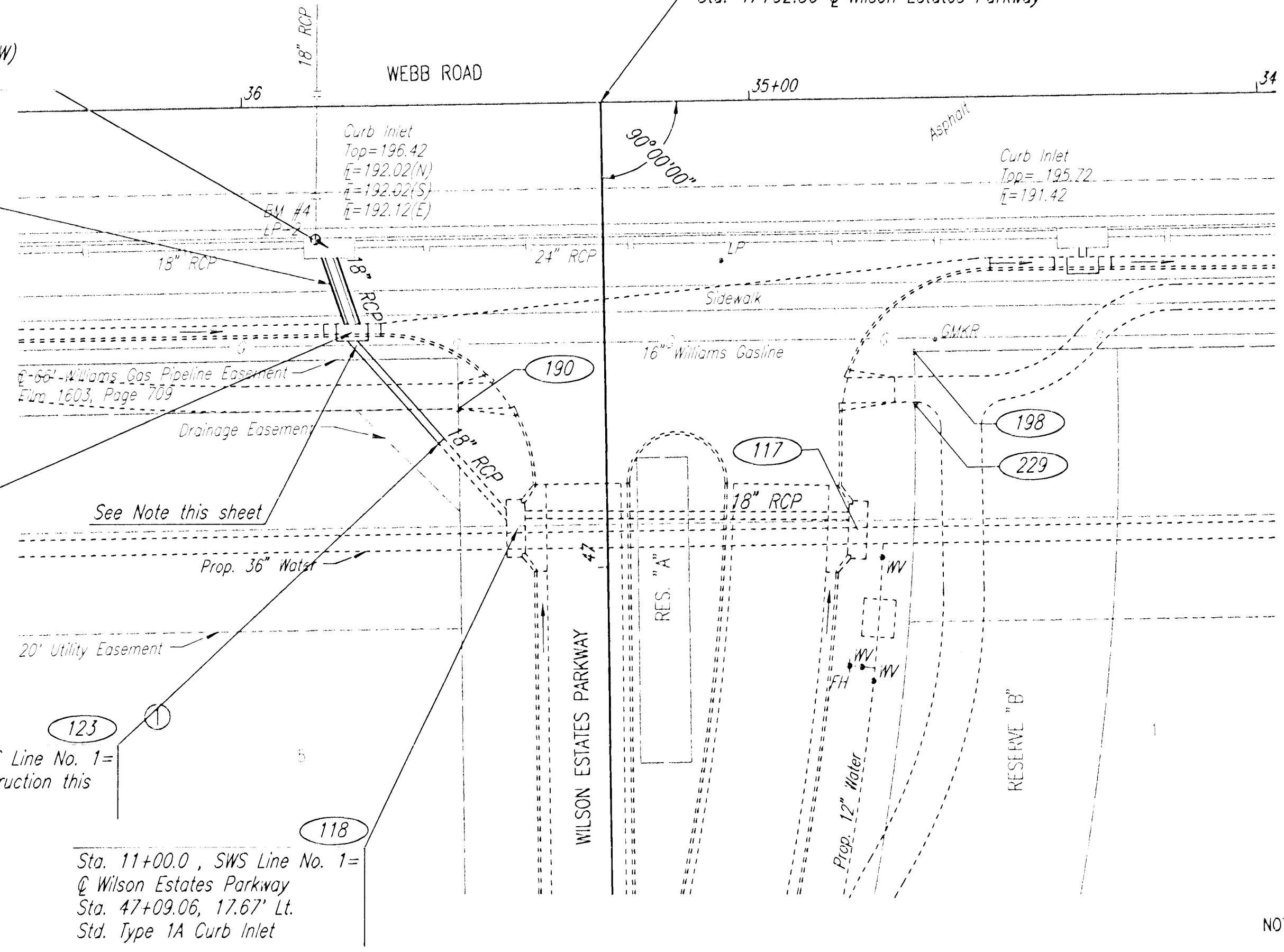
Install 14.0 L.F.
Excavatable Flowable
Fill to Elev. 194.48

Sta. 10+49.8, SWS Line No. 1=
@ Webb Road Sta. 35+78.92, 44.68' Lt.
Const. Std. Type II Inlet
Top Elev.=196.31
Install 27.5 L.F. 18" RCP (SW)
See Sh. Nos. 11 and 13

Sta. 10+77.3, SWS Line No. 1=
End 18" RCP Construction this
Project

Sta. 11+00.0, SWS Line No. 1=
@ Wilson Estates Parkway
Sta. 47+09.06, 17.67' Lt.
Std. Type 1A Curb Inlet

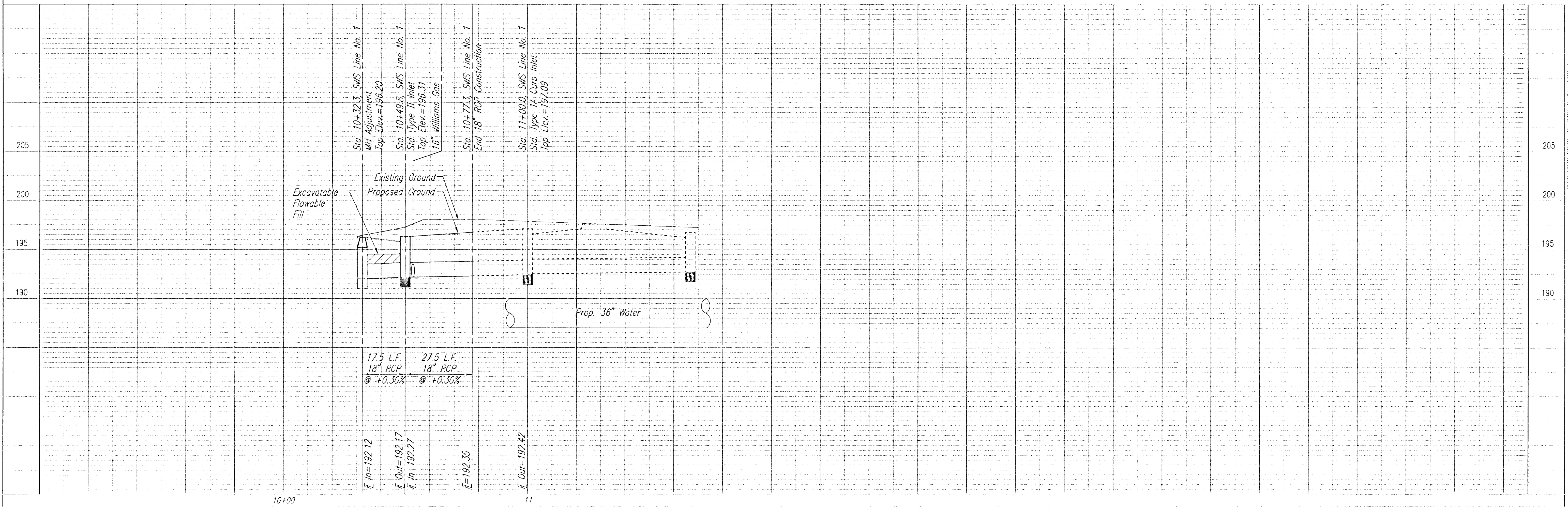
Sta. 35+29.32 @ Webb Road=
Sta. 47+92.56 @ Wilson Estates Parkway

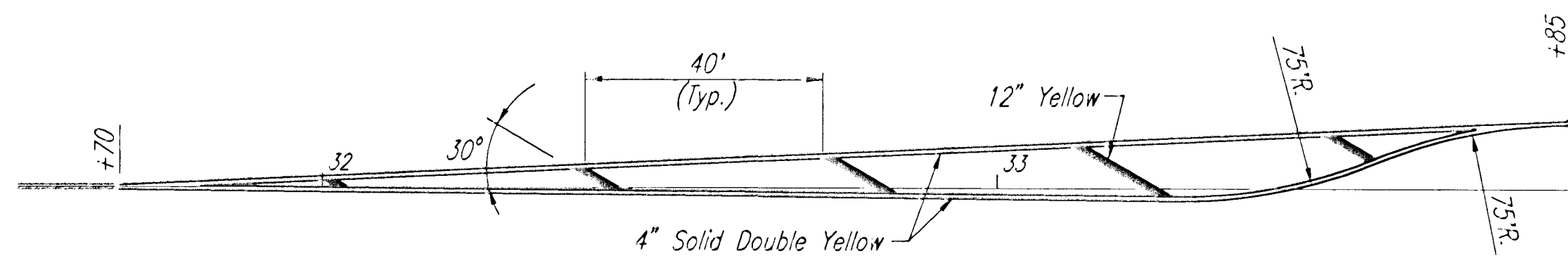
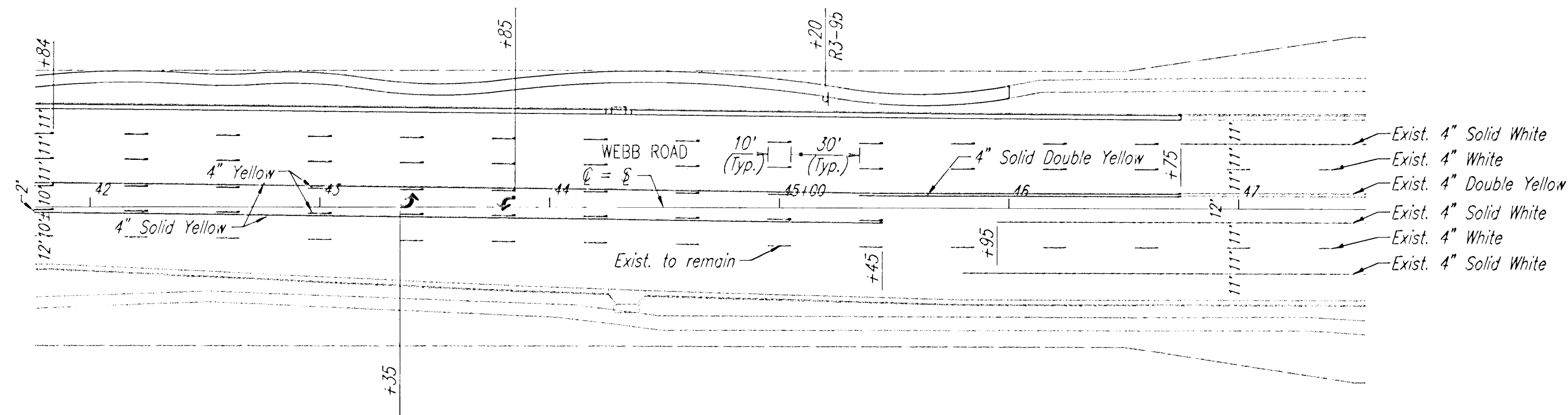
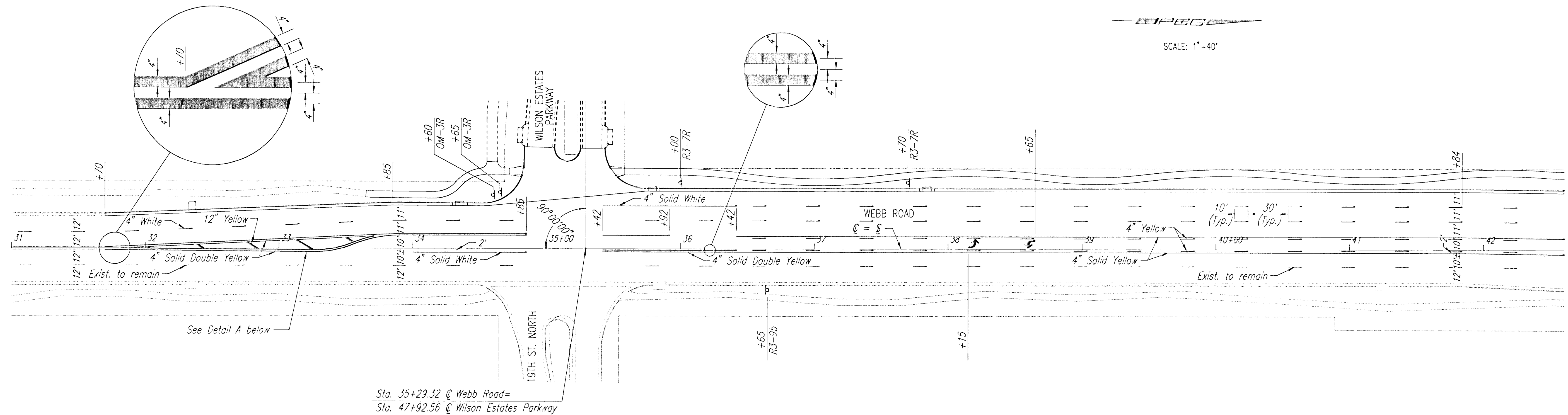


COORDINATE LIST		
POINT	NORTH	EAST
117	15,659.2914	18,625.9405
118	15,726.2911	18,626.1762
119	15,758.8650	18,664.5178
123	15,741.8543	18,642.7117
190	15,737.9929	18,649.4617
198	15,648.1633	18,660.8918
229	15,647.9967	18,650.4121

100 = COORDINATE POINT NO.

NOTE: 16" WILLIAMS GASLINE TO BE ADJUSTED PRIOR TO/OR
DURING CONSTRUCTION. CONTACT MR. KEVIN PHILLIPS
(316) 529-6601.





RECAPITULATION OF QUANTITIES

ITEMS	TOTAL	UNITS
PAVEMENT MARKING (THERMOPLASTIC)(WHITE)(4")	855	LIN. FT.
PAVEMENT MARKING (THERMOPLASTIC)(YELLOW)(4")	3726	LIN. FT.
PAVEMENT MARKING (THERMOPLASTIC)(YELLOW)(12")	41	LIN. FT.
PAVEMENT MARKING SYMBOL (THERMOPLASTIC)(WHITE ARROWS)	4	EACH

FOR INFORMATION ONLY - BID ITEM "PAVEMENT MARKING" IS PAID AS LUMP SUM.

NOTE: ALL EXISTING MARKINGS WHICH CONFLICT WITH THE PROPOSED PLAN SHALL BE REMOVED BY GRINDING OR OTHER MECHANICAL MEANS (PAINTING OVER EXISTING MARKING WILL NOT BE ALLOWED). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE BID ITEM "PAVEMENT MARKING".

UNLESS OTHERWISE NOTED, DIMENSIONS ARE FROM & STRIPE TO & STRIPE.

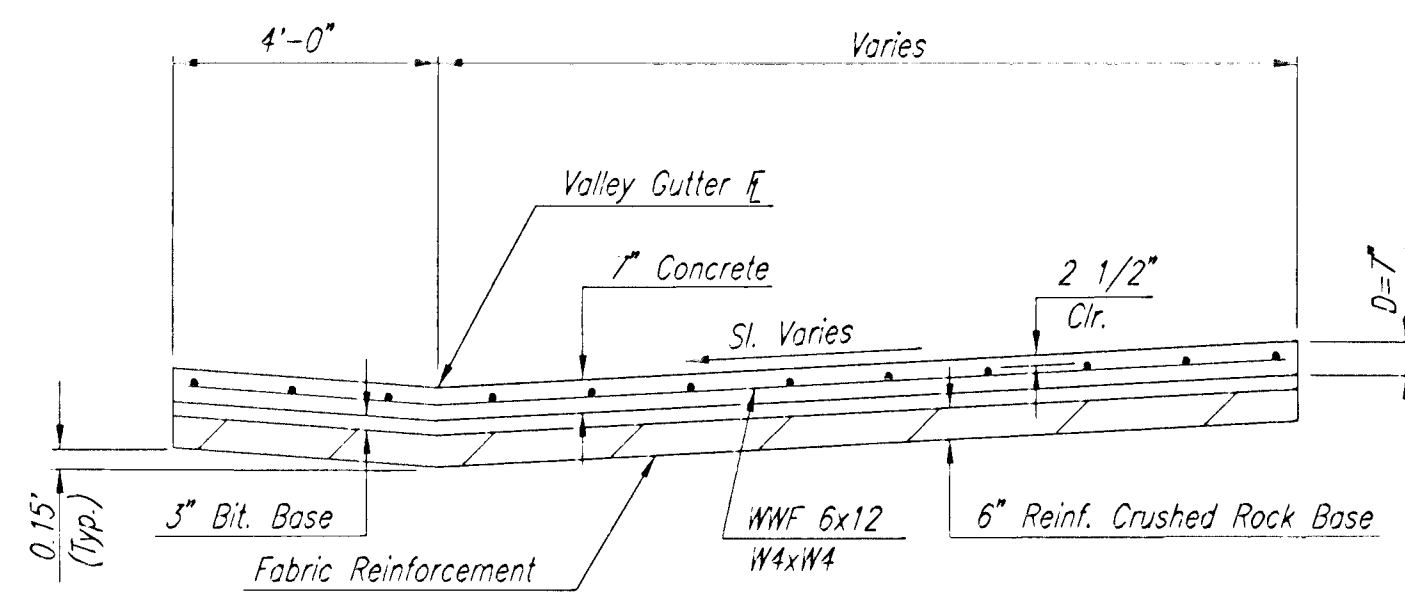
WEBB ROAD SOUTH OF 21ST STREET NORTH

PAVEMENT MARKING PLAN



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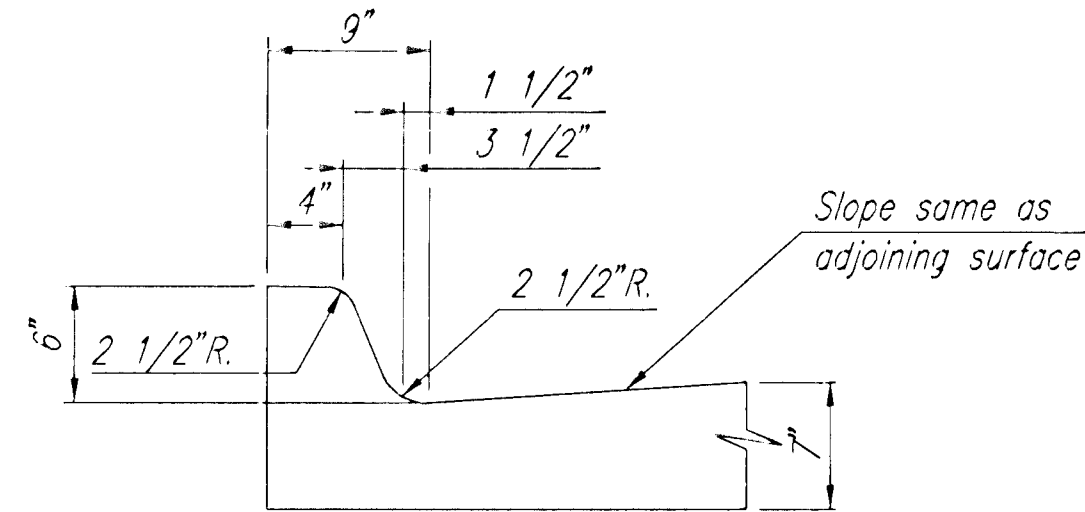
Designed by	BER, GDD	Checked by	
Drawn by	DEP	Date	MARCH, 2000
		Job No.	00034-1



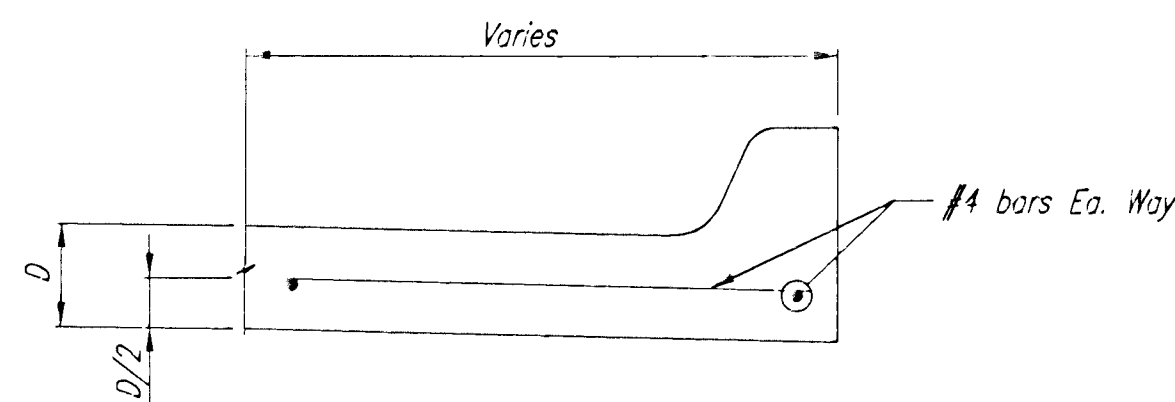
SECTION A-A

NOTE: OMIT REINFORCING MESH AT ALL JOINTS

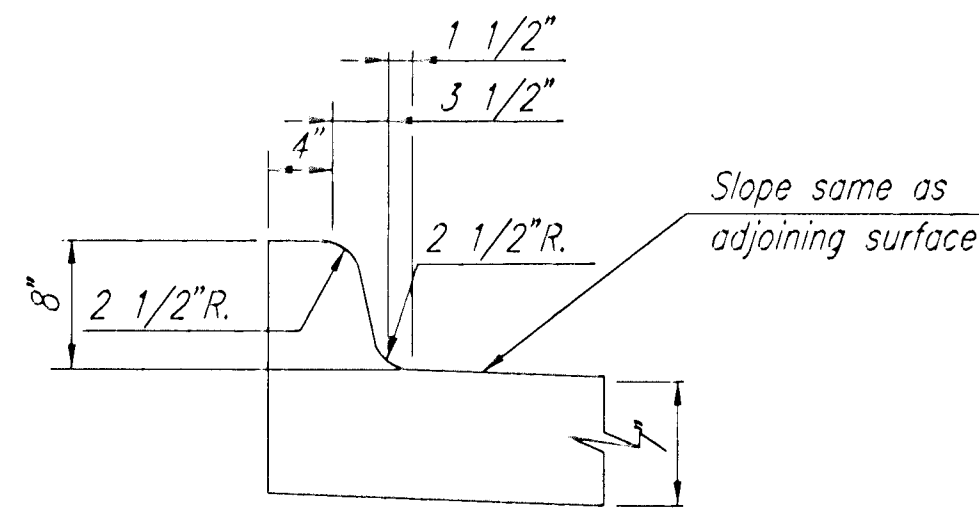
NOTE: ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER.



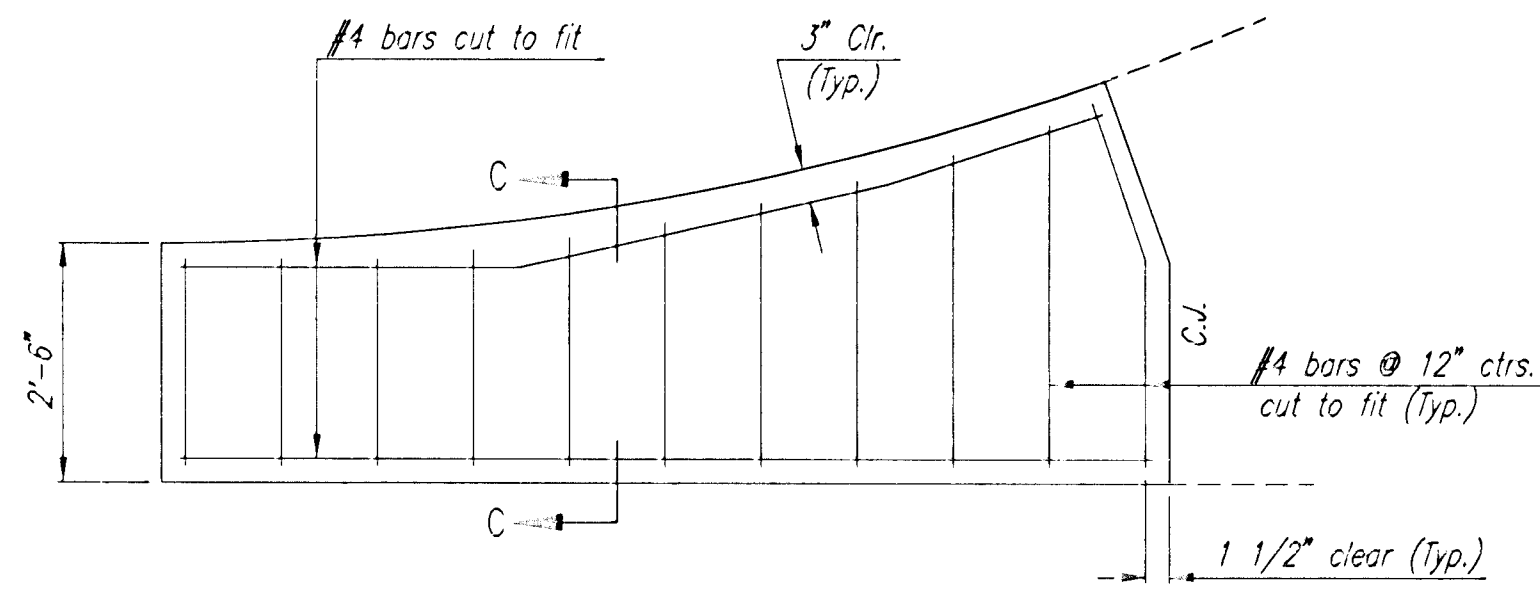
DETAIL B



SECTION C-C

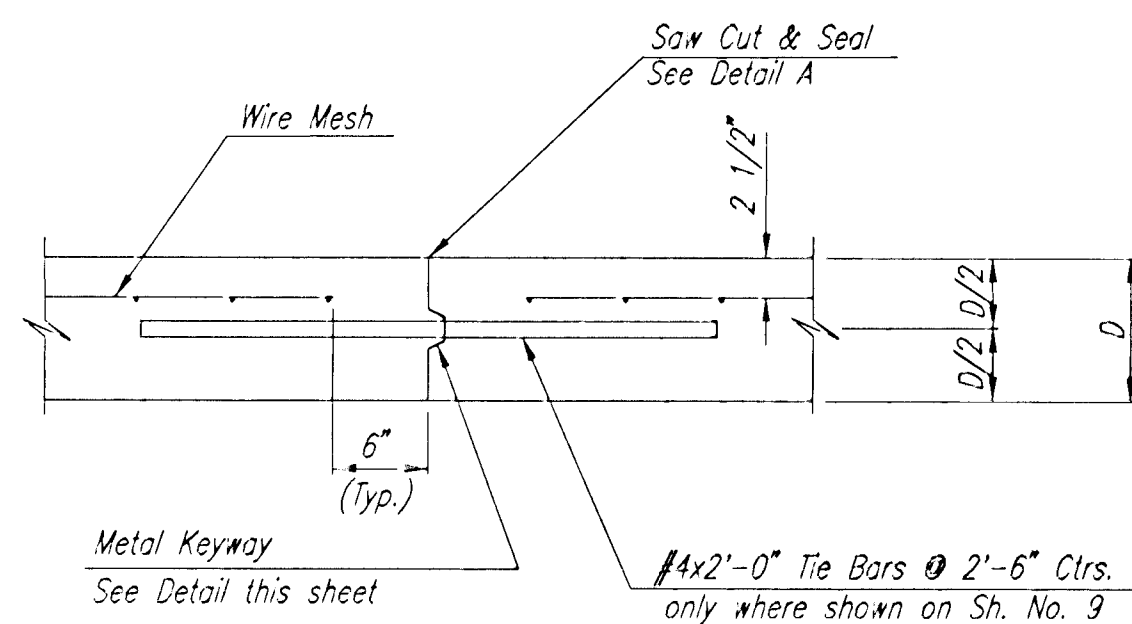


DETAIL C

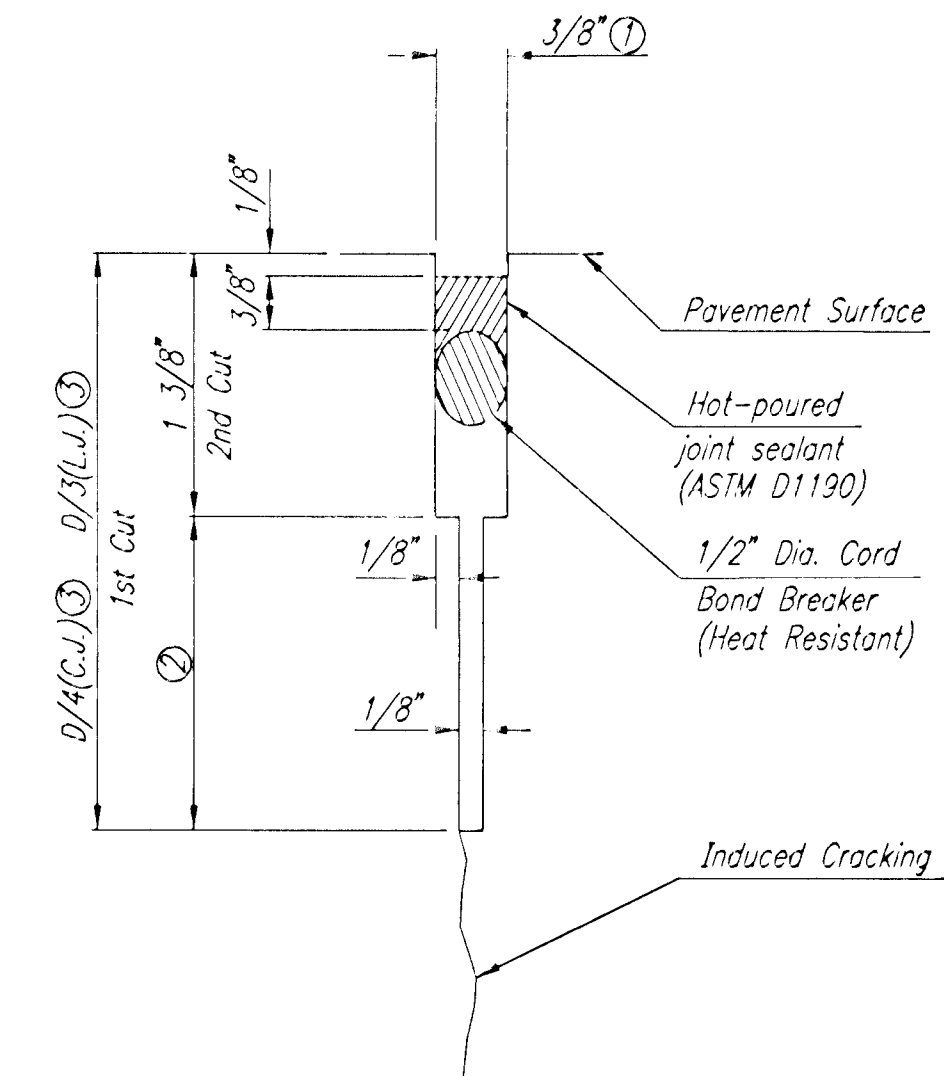
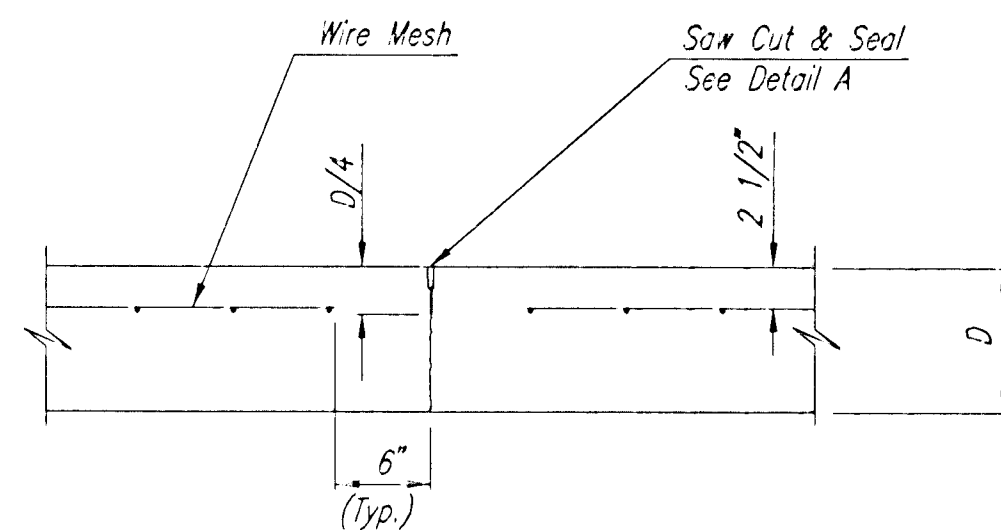


WING REINFORCING DETAIL

NOTE: OMIT WIRE FABRIC REINFORCING IN THIS SECTION.



LONGITUDINAL CONSTRUCTION JOINT DETAIL
REINFORCED PAVEMENT
(TRANSVERSE SECTION)
(ALTERNATE L.J.)

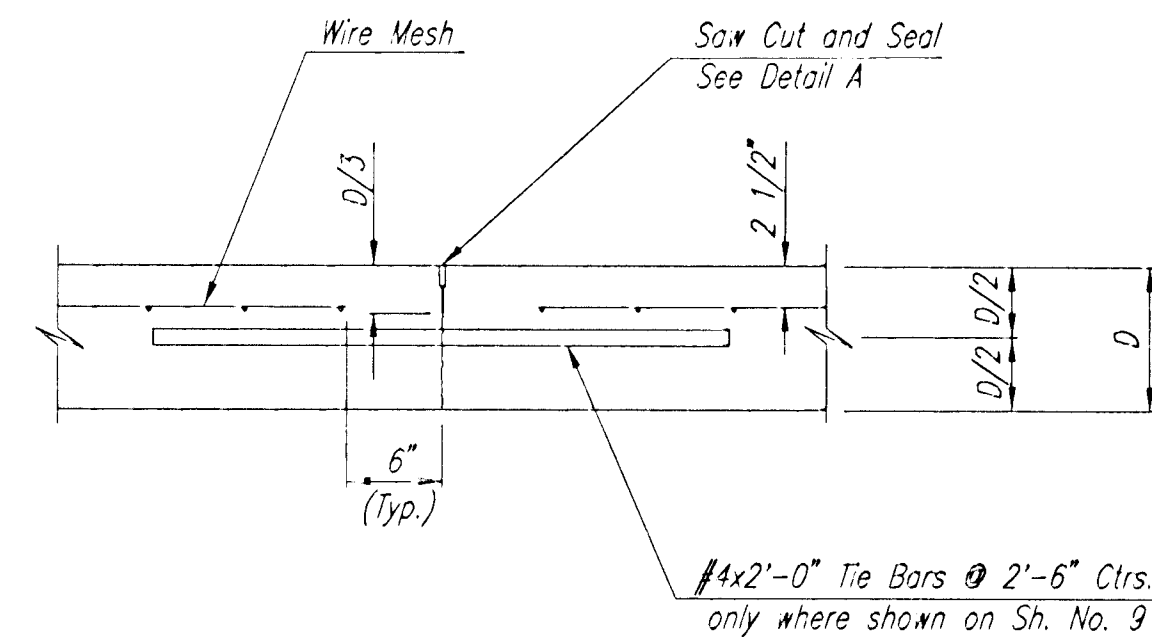


DETAIL A

① To be accomplished in 2 cuts for Longitudinal Joints and Contraction Joints. Initial cut to be 1/8" wide.

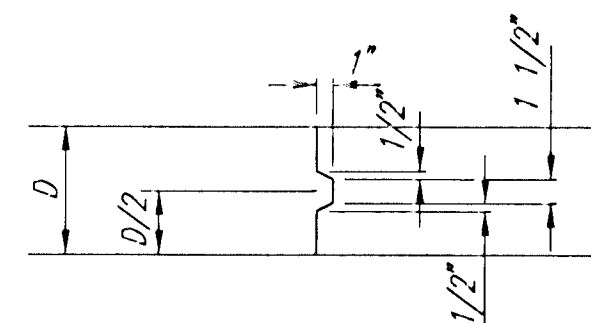
② Eliminate bottom of cut when metal keyway is used as part of Longitudinal or Transverse Construction Joint and at Doweled Construction Joint Locations.

③ 1 1/2" Minimum



LONGITUDINAL JOINT DETAIL
REINFORCED PAVEMENT
(TRANSVERSE SECTION)
(L.J.)

CONTRACTION JOINT DETAIL
REINFORCED PAVEMENT
(C.J.)



KEYWAY DETAIL

WEBB ROAD SOUTH OF 21ST STREET SOUTH

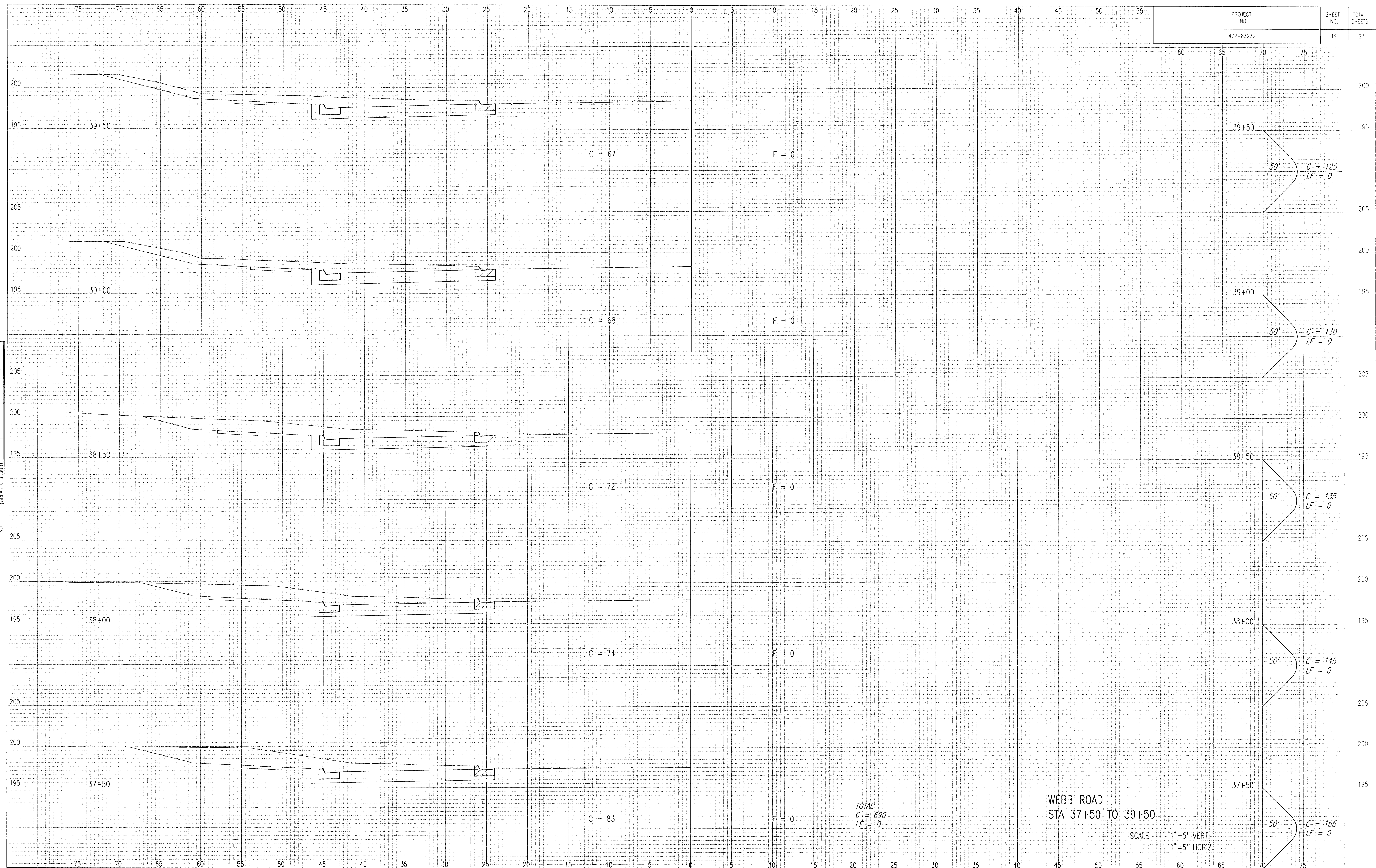
VALLEY GUTTER DETAILS

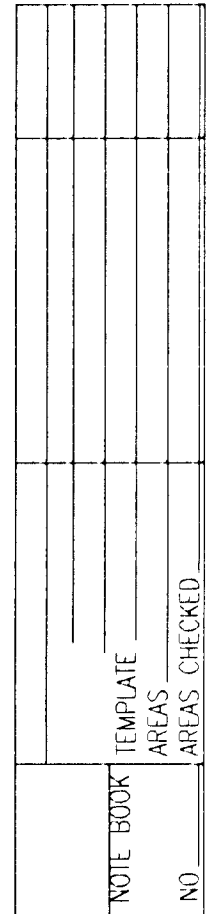


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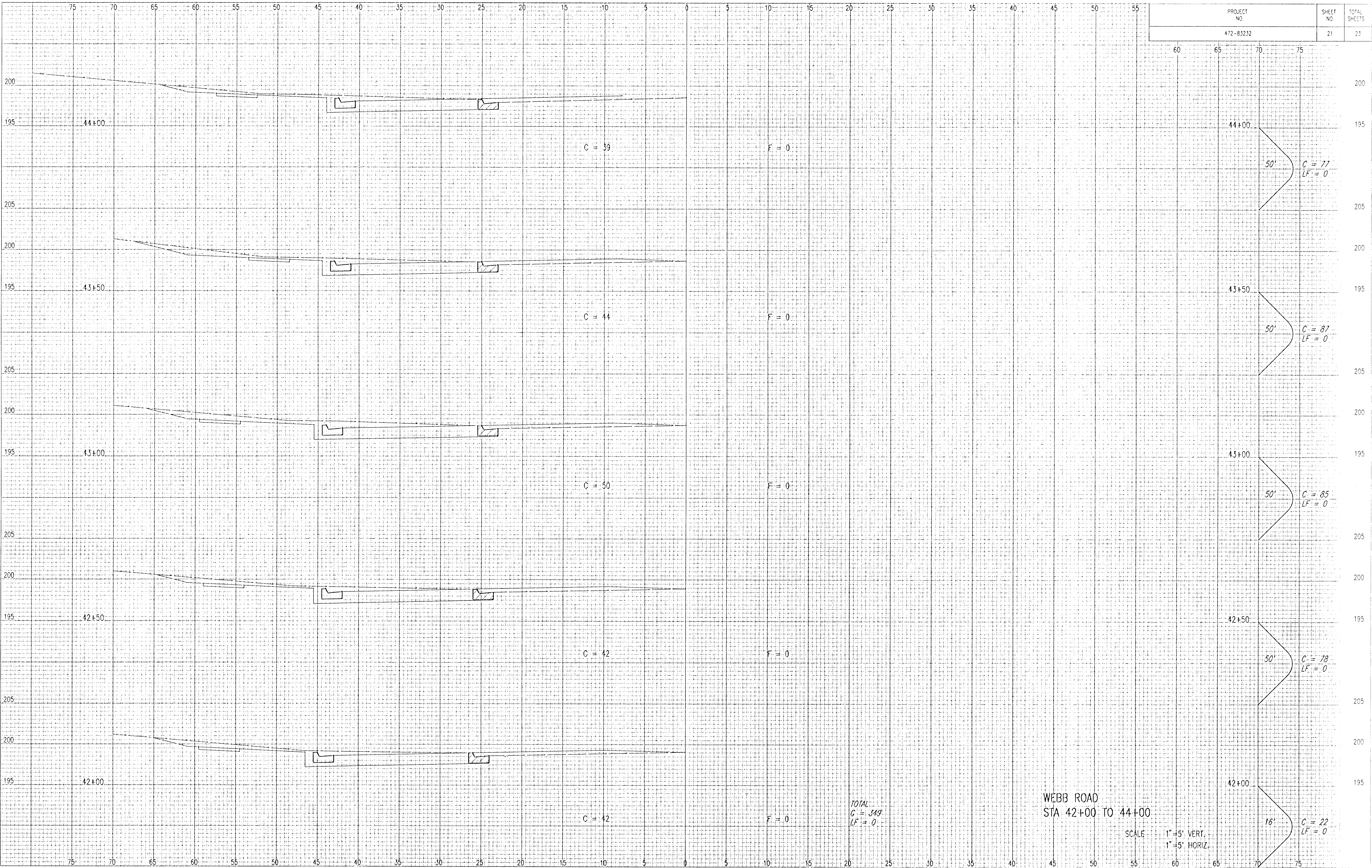
Designed by	BER, GDD	Checked by	
Drawn by	DEP	Date	MARCH, 2000
		Job No.	00034-1

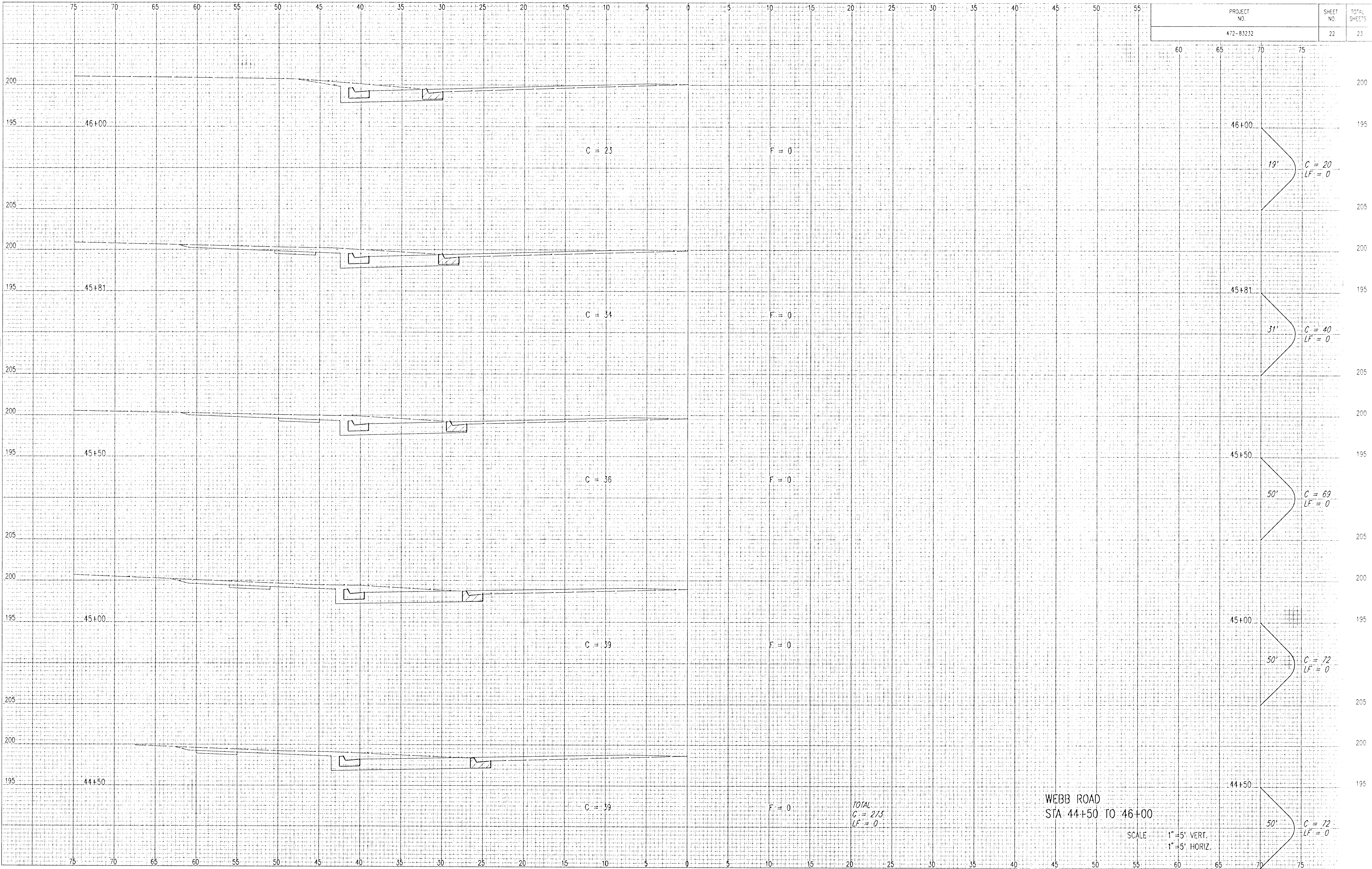
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83232	19	23



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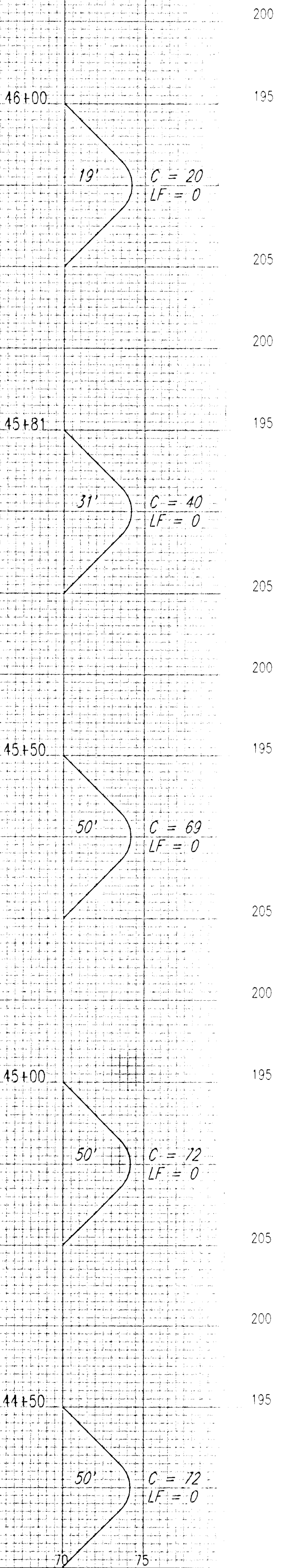
NOTE BOOK	TEMPLATE	AREAS	CHECKED
NO			





WEBB ROAD
STA 44+50 TO 46+00

SCALE 1"=5' VERT.
1"=5' HORIZ.



NO.	AREAS CHECKED	AREAS	TEMPLATE	NOTE BOOK

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-83232	23	23

NOTE BOOK	TEMPLATE	AREAS	CHECKED
NO			

