

CITY COPY



Project No: S.P. 87-16  
Tract No: 4-B  
Address: 3321 So. 72 Street  
Omaha, NE 68106

**PERMANENT EASEMENT**

KNOW ALL MEN BY THESE PRESENTS:

THAT *Omaha Hotel, Inc.*, a Kansas Corporation, hereinafter referred to as GRANTOR, (whether one or more) for and in consideration of the sum of Fifteen Thousand Three Hundred and No/100 Dollars (\$15,300.00) and other valuable considerations, the receipt of which is hereby acknowledged, does hereby grant and convey unto the CITY OF OMAHA, NEBRASKA, a Municipal Corporation, hereinafter referred to as CITY, and to its successors and assigns, a permanent easement for the right to construct, maintain and operate a Grover Street Improvement, and appurtenances thereto, in, through, and under the parcel of land described as follows, to-wit:

**SEE ATTACHED EXHIBIT "A"-PERMANENT EASEMENT LEGAL DESCRIPTION**

TO HAVE AND TO HOLD unto said CITY, its successors and assigns, together with the right of ingress and egress from said premises for the purpose of constructing, inspecting, maintaining, operating, repairing or replacing said Grover Street Improvement at the will of the CITY. The GRANTOR may, following construction of said Grover Street Improvement continue to use the surface of the easement strip conveyed hereby for other purposes, subject to the right of the CITY to use the same for the purposes herein expressed.

It is further agreed as follows:

1. That no buildings, improvements, or other structures, nor any grading, fill or fill material, or embankment work, shall be placed in, on, over, or across said easement strip by GRANTOR, his or their successors and assigns without express approval of the CITY. Improvements which may be approved by CITY include landscaping, road and/or street surfaces, parking area surfacing, and/or pavement. These improvements and any trees, grass or shrubbery placed on said easement shall be maintained by GRANTOR, his heirs, successors or assigns.
2. That CITY will replace or rebuild any and all damage to improvements caused by CITY exercising its rights of inspecting, maintaining or operating said Grover Street Improvement, except that damage to, or loss of trees and shrubbery will not be compensated for by CITY.
3. This permanent easement is also for the benefit of any contractor, agent, employee, or representative of the CITY and any of said construction and work.
4. That CITY shall cause any trench made on said easement strip to be properly refilled and shall cause the premises to be left in a neat and orderly condition.
5. That said GRANTOR for himself or themselves and his or their heirs, executors and administrators does or do confirm with the said CITY and its assigns, that he or they, the GRANTOR is or are well seized in fee of the above described property and that he or they has or have the right to grant and convey this permanent easement in the manner and form aforesaid, and that he or they will, and his or their heirs, executors, and administrators, shall warrant and defend this permanent easement to said CITY and its assigns against the lawful claims and demands of all persons. This permanent easement runs with the land.
6. That said permanent easement is granted upon the condition that the CITY may remove or cause to be removed all presently existing improvements thereon, including but not limited to, crops, vines, trees within the easement area as necessary for construction.
7. The City reserves the absolute right to terminate this permanent easement at any time prior to the payment of the above stated consideration, but in no event later than 60 days after the execution of this Easement Agreement.
8. That this instrument contains the entire agreement of the parties; that there are no other or different agreements or understandings, except a Temporary Construction Easement if and as applicable, between the GRANTOR and the CITY or its agents; and that the GRANTOR, in executing and delivering this instrument, has not relied upon any promises, inducements, or representations of the CITY or its agents or employees, except as are set forth herein:

WHEN RECORDED RETURN TO:  
PUBLIC WORKS - R-0-40 9/6/96

00547 H 55-22020  
FEE 7/50 R 32-292 FB  
DEL C/O COMP VP  
LEGAL PG 68 SCAN 7/11 FV

RECEIVED  
JUN 17 3 41 PM '96  
GEORGE J. DUNN, CLERK  
REGISTER OF DEEDS  
DOUGLAS COUNTY, NE

PERMANENT EASEMENT  
Page Two (2)  
Omaha Hotel, Inc.  
Tract No 4-B

- a) CITY agrees to design and construct the pillar support haunches for the GRANTOR. Haunches will be constructed and made a part of the new retaining walls, and detailed in City's Grover Street Construction Plans, Special Project No. 87-16, and attached to this easement contract document.
- b) CITY shall be responsible for the repair and/or future maintenance of the retaining walls and support haunches. Ownership of the retaining walls and support haunches is reserved to the CITY and its successors and assigns.
- c) GRANTOR agrees to design, construct, repair and/or maintain the new fencing pillars and all other fencing materials. Said pillars and fencing to be placed on top of the new retaining walls and support haunches. Ownership of the fencing and pillars is reserved to the GRANTOR and its successors and assigns.
- d) GRANTOR is allowed to request modifications and/or design changes to said retaining wall during construction, and CITY agrees to make changes to said wall, subject to the CITY and GRANTOR agreeing to any proposed design changes and modifications.

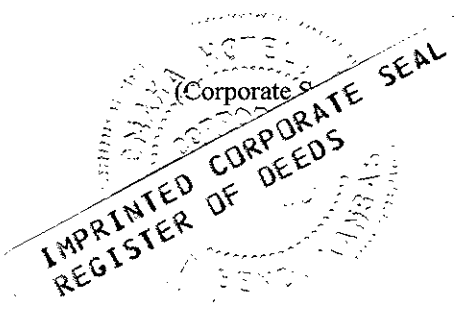
IN WITNESS WHEREOF said GRANTOR has or have hereunto set his or their hand(s) this 17<sup>th</sup> day of January, 1996. *TB 01/17/96*

47-0488680  
(Federal I.D. No.)

Omaha Hotel, Inc.  
(Name of Corporation)

Leonard F. Harper President  
(Name and Title)

ATTEST:  
Leonard F. Harper President  
(Name and Title)



CORPORATE ACKNOWLEDGMENT

STATE OF Nebraska )  
 ) SS  
COUNTY OF DOUGLAS )

On this 17 day of January, 19 96, before me, a Notary Public in and for said County, personally came Leonard F Harper, President, of Omaha Hotel, Inc, a Nebraska Corporation, and, Leonard F Harper of said Corporation, to me personally known to be the respective

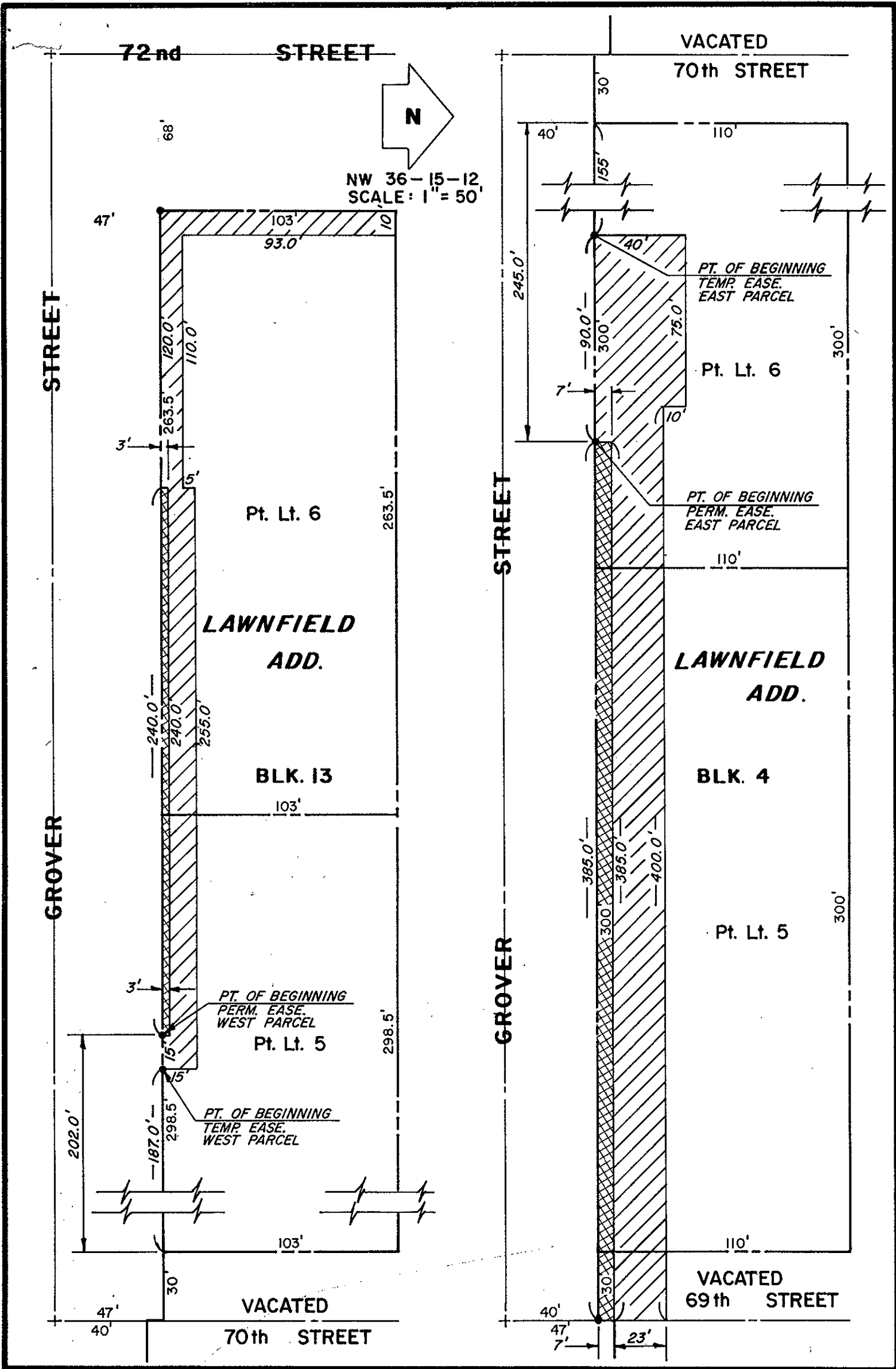
officers of said corporation and the identical persons whose names are affixed to the foregoing instrument, and acknowledged the execution thereof to be their respective voluntary act and deed as such officers and the voluntary act and deed of said Corporation, and the Corporate Seal of said Corporation to be thereto affixed by its authority.

WITNESS my hand and Notarial Seal the day and year last above written.



Joan K Davis  
(Notary Public)

My Commission expires \_\_\_\_\_  
ROW/S.P. 87-16/TRACT 4-B



**CITY OF OMAHA - PUBLIC WORKS DEPARTMENT**

	LAND ACQUISITION	—	S.F.
	PERMANENT EASEMENT	3,415	S.F.
	TEMPORARY EASEMENT	17,540	S.F.

PROJECT NO.	S.R. 87-16
TRACT NO.	4

# Exhibit "A"

**Owner's Legal Description**

Lots 1-10 inclusive, of Block 13, along with Lots 1-10 inclusive, of Block 4, all in Lawnfield Addition, City of Omaha, Douglas County, Nebraska, together with vacated 70th Street lying between the South ROW line of Hascall Street and the North ROW line of Grover Street, together with that portion of vacated 69th Street abutting Lots 1-5 of Block 4 on the East, and together with the South 1/2 of vacated Hascall Street abutting Lot 1 of Block 4 on the North and lying between the East ROW line of 69th Avenue and the West ROW line of 69th Street, and excepting the following areas taken for street and/or road purposes: the South 10 feet of Lots 5 and 6 of Block 4 taken for Grover Street ROW; the South 17 feet of Lots 5 and 6 of Block 13 taken for Grover Street ROW; and the West 35.0 feet of Lots 6-10 of Block 13 taken for 72nd Street ROW, all within Lawnfield Addition, City of Omaha, Douglas County, Nebraska.

**Permanent Easement Legal Description**

West Parcel:

The North 3.0 feet of the South 20.0 feet of the East 138.5 feet of Lot 6, Block 13, together with the North 3.0 feet of the South 20.0 feet of the West 96.5 feet of Lot 5, Block 13, all in Lawnfield Addition, an addition to the City of Omaha, Douglas County, Nebraska. (said parcel contains 705 S.F.)

East Parcel:

Commencing at the Northwest corner of Lot 6, Block 4, Lawnfield; thence South along the West line of said Lot 6 for a distance of 110.0 feet and to a point on the North ROW line of Grover Street; thence North 90°00'00" East along said North ROW line of Grover Street for a distance of 245.0 feet to the point of beginning; thence continuing North 90°00'00" East along said North ROW line of Grover Street for a distance of 385.0 feet; thence North 00°00'00" East for a distance of 7.0 feet; thence South 90°00'00" West along a line parallel with the North ROW line of Grover Street for a distance of 385.0 feet; thence South 00°00'00" East for a distance of 7.0 feet to the point of beginning. (said parcel contains 2,695 S.F.)

**Temporary Easement Legal Description**










West Parcel

The North 12.0 feet of the South 32.0 feet of the East 138.5 feet of Lot 6, Block 13, together with the North 12.0 feet of the South 32.0 feet of the West 96.5 feet of Lot 5, Block 13, together with the North 15.0 feet of the South 32.0 feet of the East 15.0 feet of the West 111.5 feet of Lot 5, Block 13, all in Lawnfield Addition, an addition to the City of Omaha, Douglas County, Nebraska. (said parcel contains 3,045 S.F.)

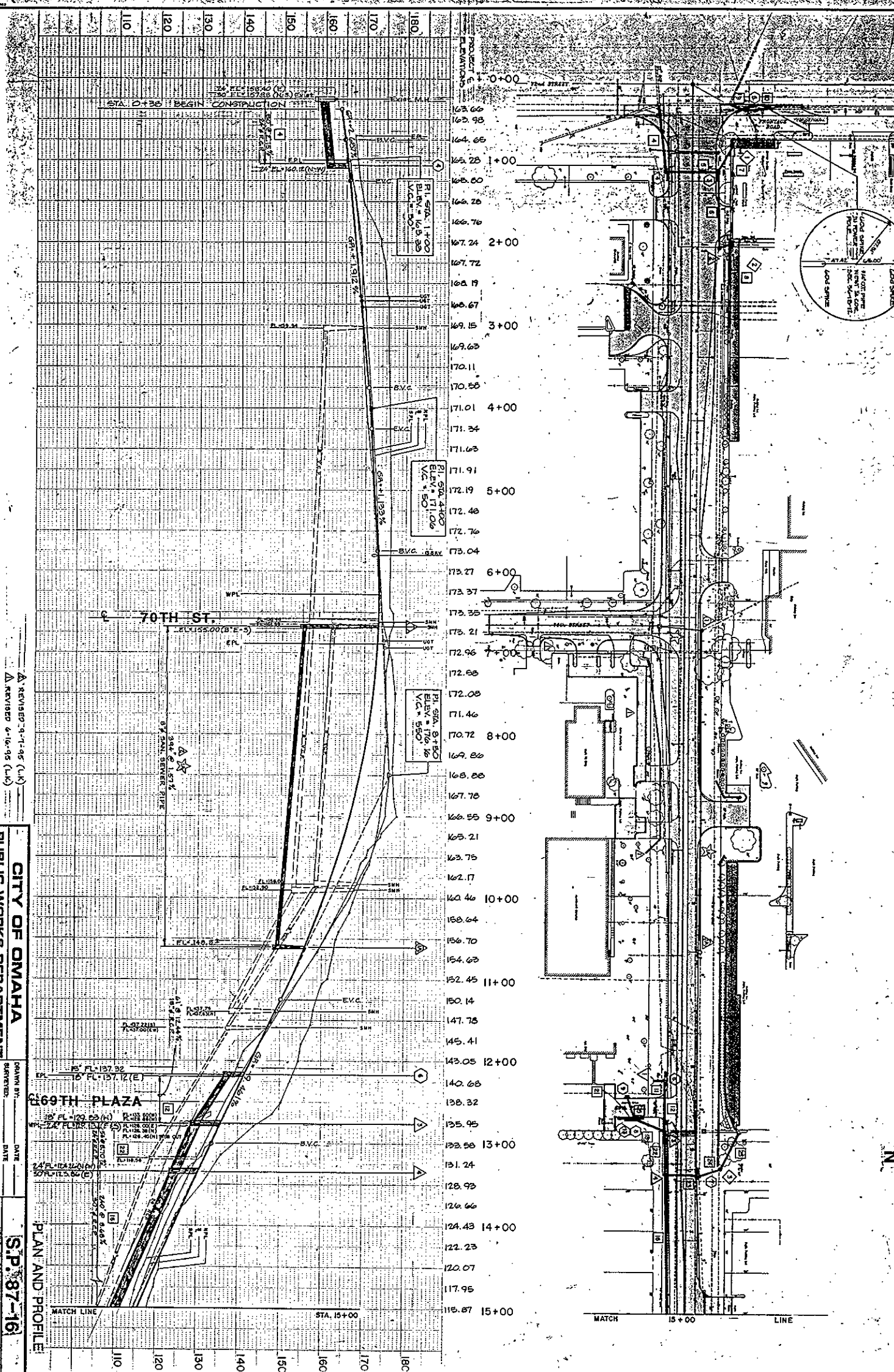
East Parcel:

Commencing at the Northwest corner of Lot 6, Block 4, Lawnfield; thence South along the West line of said Lot 6 for a distance of 110.0 feet to the North ROW line of Grover Street; thence South 90°00'00" East along said North ROW line of Grover Street for a distance of 155 feet and to the point of beginning; thence North 00°00'00" East for a distance of 40.0 feet; thence South 90°00'00" East along a line parallel with said North ROW line of Grover Street for a distance of 75.0 feet; thence South 00°00'00" East for a distance of 10.0 feet; thence South 90°00'00" East along a line parallel with said North ROW line of Grover Street for a distance of 400.0 feet; thence South 00°00'00" East for a distance of 23.0 feet; thence South 90°00'00" West along a line parallel with the said North ROW line of Grover Street for a distance of 385.0 feet; thence South 00°00'00" East for a distance of 7.0 feet; thence North 90°00'00" West along said North ROW line of Grover Street for a distance of 90.0 feet and to the point of beginning. (said parcel contains 12,305 S.F.)

## CITY OF OMAHA Public Works Department

<p><b>Owner(s)</b> Omaha Hotel, Inc. <b>Address</b> 3321 So. 72nd Street Omaha, NE 68106</p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 20px; text-align: center;"></td> <td>Land Acquisition _____ S.F.</td> </tr> <tr> <td style="text-align: center;"></td> <td>Permanent Easement _____ 3,400 S.F.</td> </tr> <tr> <td style="text-align: center;"></td> <td>Temporary Easement _____ 15,350 S.F.</td> </tr> </table>		Land Acquisition _____ S.F.		Permanent Easement _____ 3,400 S.F.		Temporary Easement _____ 15,350 S.F.
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	Permanent Easement _____ 3,400 S.F.						
	Temporary Easement _____ 15,350 S.F.						
<p><b>Project No.</b> S.P. 87-16</p>	<p><b>Date Prepared:</b> 01/04/95</p>						
<p><b>Tract No.</b> 4-B</p>	<p><b>Revision Date(s):</b> 2/15/95; 3/16/95</p>						
<p>Page 1 of 1</p>							

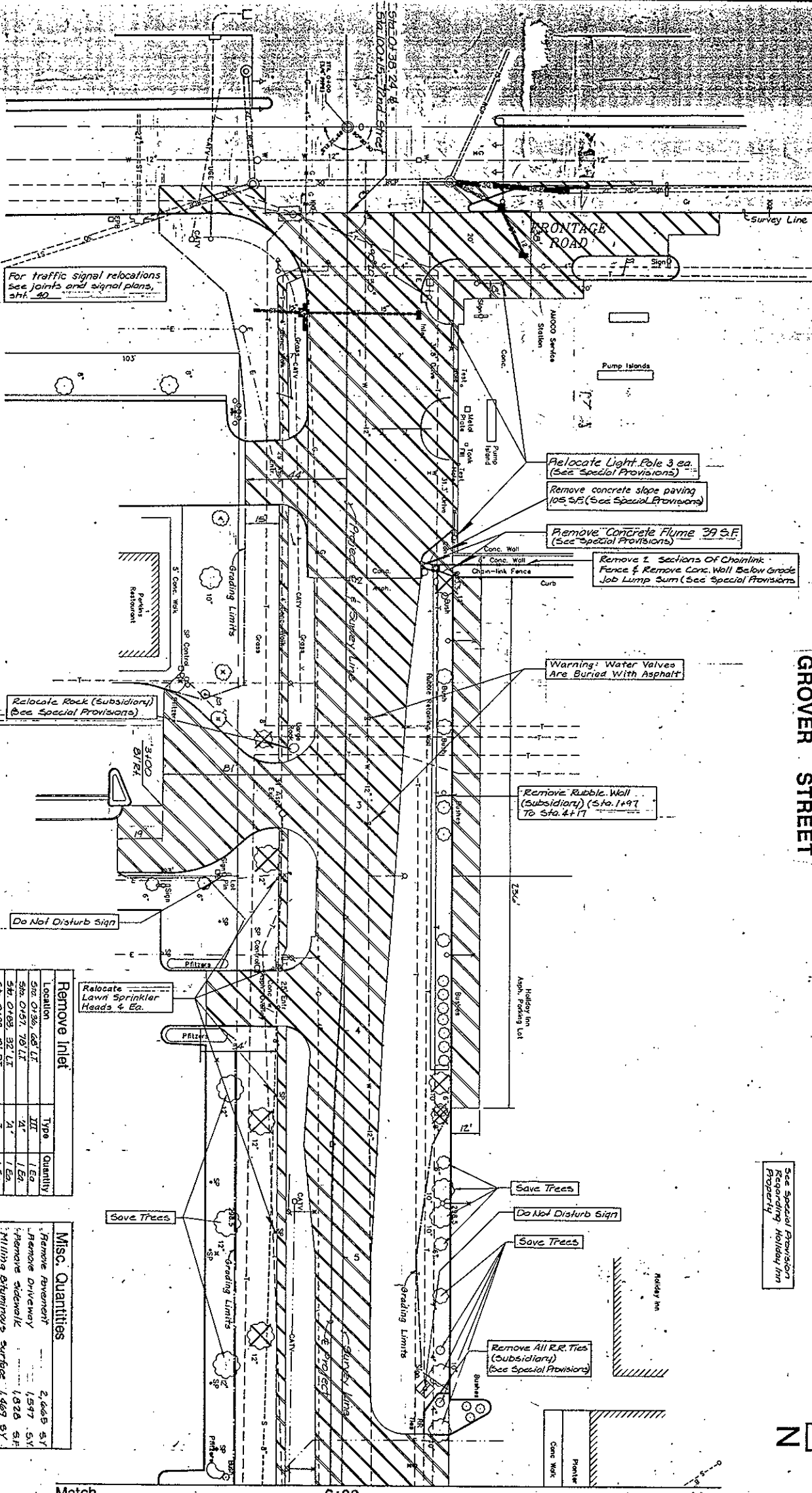
GROVER STREET



CITY OF OMAHA  
 PUBLIC WORKS DEPARTMENT  
 DRAWN BY: [ ]  
 CHECKED BY: [ ]  
 DATE: [ ]  
 SCALE: [ ]  
 SHEET 34 OF 77  
 S.P. 87-16

PROJECT ELEVATIONS  
 STA. 0+35 BEGIN CONSTRUCTION  
 STA. 15+00 MATCH LINE

GROVER STREET



For traffic signal relocations  
see joints and signal plans,  
sh. 40

Relocate Light Pole 3 ea.  
(See Special Provisions)

Remove concrete slope paving  
105 S.F. (See Special Provisions)

Remove Concrete Flume 39 S.F.  
(See Special Provisions)

Remove 2 Sections Of Chainlink  
Fence & Remove Conc. Wall Below Grade  
Job Lump Sum (See Special Provisions)

Warning: Water Valves  
Are Buried With Asphalt

Remove Rubble Wall  
(Subsidiary) (Sta. 1+97  
To Sta. 4+17)

Relocate Rock (Subsidiary)  
(See Special Provisions)

Do Not Disturb Sign

Relocate Lawn Sprinkler  
Heads 4 Ea.

Save Trees

Do Not Disturb Sign

Save Trees

Remove All R.R. Ties  
(Subsidiary)  
(See Special Provisions)

Location	Type	Quantity
Sta. 0+36, 68' LT	III	1 Ea.
Sta. 0+51, 78' LT	IV	1 Ea.
Sta. 0+82, 32' LT	I	1 Ea.
Sta. 0+82, 19' RT	I	1 Ea.
Sta. 1+24, 37' LT	III	1 Ea.
Sta. 1+24, 11' RT (Grand St.)	III	1 Ea.

Misc. Quantities	Quantity
Remove Pavement	2,465 S.Y.
Remove Driveway	1,597 S.Y.
Remove Sidewalk	1,828 S.F.
Milling & Stripping surface	1,469 S.Y.
Clearing & grubbing Trees	9'-15" S EA

Note: Station reference is to project E

Remove Sewer Pipe

Location	Size
Sta. 0+63, 32' LT to Sta. 0+82, 19' RT	18" X 18"
Sta. 0+82, 19' RT to Sta. 0+82, 37' RT	18" X 20"
Sta. 0+82, 37' RT to Sta. 0+82, 76' LT	18" X 22"
Sta. 0+82, 76' LT to Sta. 0+82, 68' LT	18" X 24"
Sta. 0+82, 68' LT to Sta. 0+82, 44' LT	18" X 24"
Sta. 0+82, 44' LT to Sta. 1+24, 11' RT	30" X 48"

Match

6+00

Line

See Special Provision  
Regarding Holiday Inn  
Property



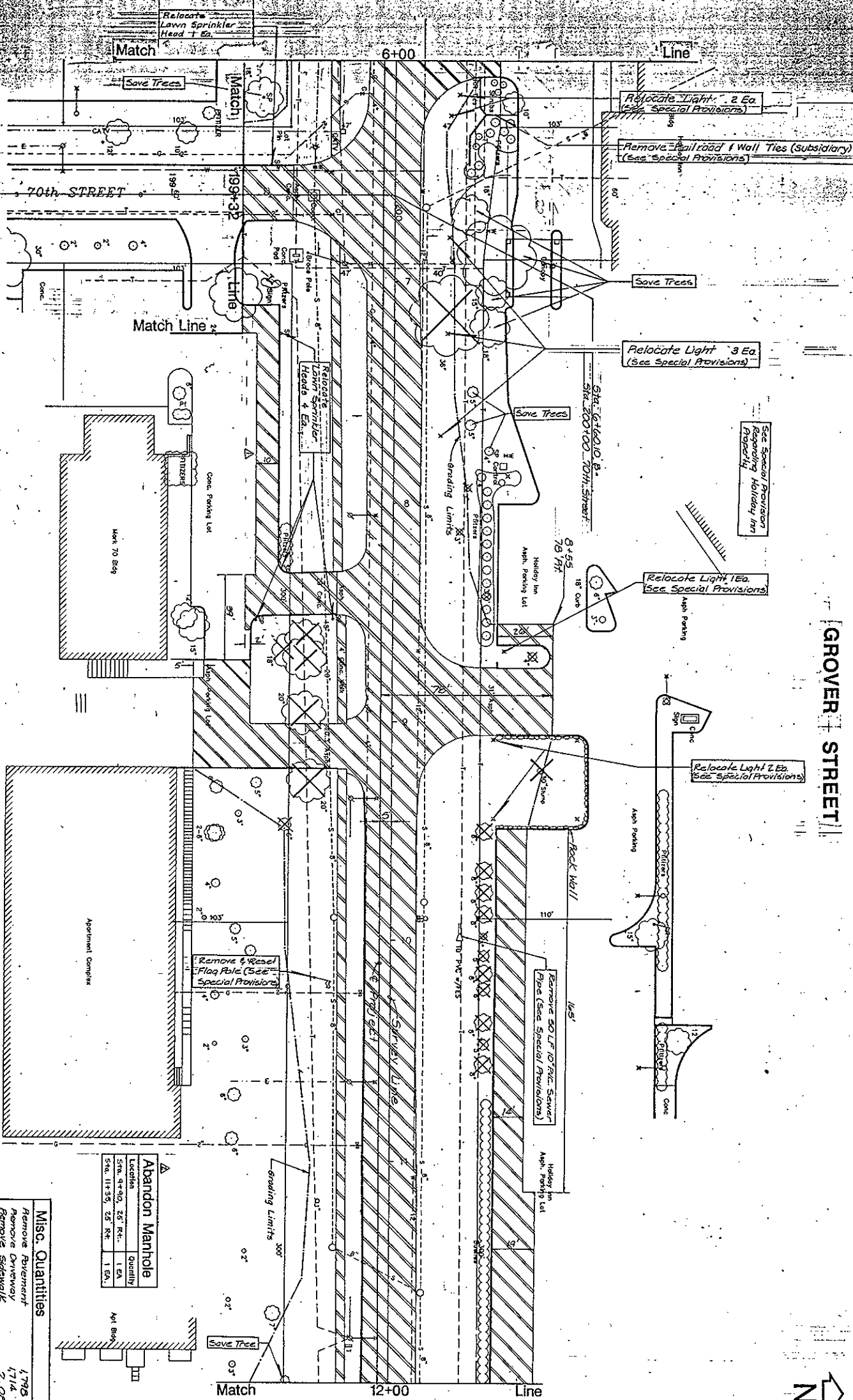
CITY OF OMAHA  
PUBLIC WORKS DEPARTMENT

DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SCALE: 1" = 20'

SP 87-16  
SHEET 20 OF 27

REMOVALS





**Abandon Sewer Pipe**

Location	Size
Sta. 6+40, 50 Rt. to 6+40, 25' Rt.	6" x 30"
Sta. 6+40, 25' Rt. to 11+30, 25' Rt.	6" x 18"
Sta. 11+30, 25' Rt. to 11+30, 15' Lt.	6" x 48"

**Remove Manhole**

Location	Quantity
Sta. 9+02, 15' Lt.	1 EA.

**Remove Sewer Pipe**

Location	Size
Sta. 2+01, 50 Rt. to 6+56, 15' Lt.	6" x 32"
Sta. 6+56, 15' Lt. to 7+82, 15' Lt.	6" x 30"
Sta. 7+82, 15' Lt. to 10+00, 15' Lt.	6" x 48"

**Remove Flared End Section**

Location	Size	Quantity
Sta. 9+79, 30' Lt.	12"	1 EA.

**Abandon Manhole**

Location	Quantity
Sta. 4+40, 25' Rt.	1 EA.
Sta. 11+35, 25' Rt.	1 EA.

**Misc. Quantities**

Remove Buoyant	1,795 SY
Remove Driveway	1,714 SY
Remove Sidewalk	2,068 SY
Milling Bituminous Surface	1,734 SY
Cleaning And Grubbing Ties 9'-18"	2 EA.
27'-30"	3 EA.
24'-30"	1 EA.

Note: Station reference is to project &

REVISIONS  
 Δ REVISED 9-1-95 (LX)  
 Δ REVISED 6-16-95 (LX)

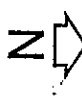
**CITY OF OMAHA**  
**PUBLIC WORKS DEPARTMENT**

PROJECT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

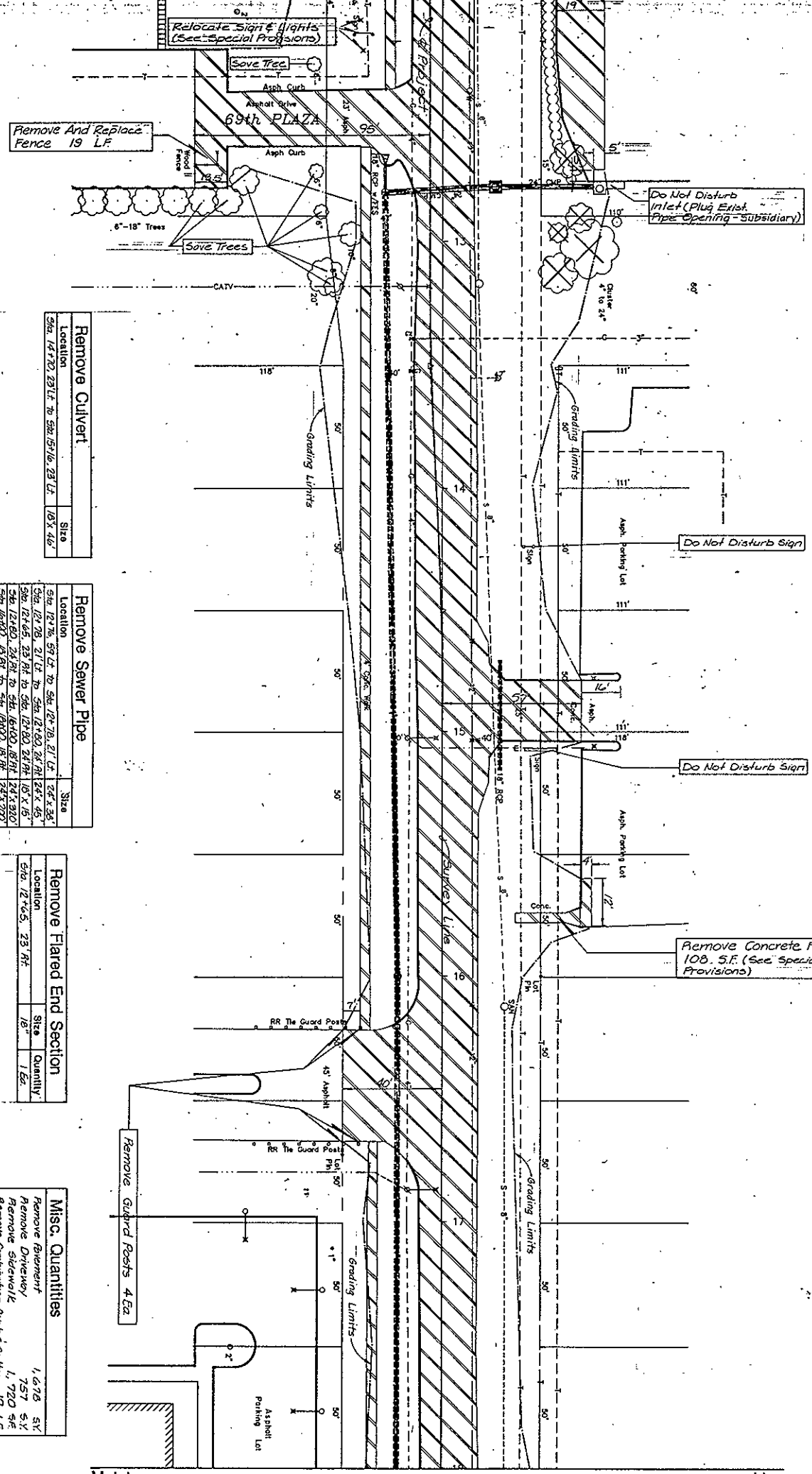
**SP 87-16**

**REMOVALS**





Match 12+00 Line



**Remove Culvert**

Location	Size
Sta. 12+70, 23 LF to Sta. 12+16, 23 LF	10' x 4' 6"

**Remove Sewer Pipe**

Location	Size
Sta. 12+76, 59 LF to Sta. 12+78, 21 LF	24" x 36"
Sta. 12+78, 21 LF to Sta. 12+80, 24 LF	24" x 45"
Sta. 12+45, 23 RL to Sta. 12+80, 24 RL	18" x 15"
Sta. 12+80, 24 RL to Sta. 12+80, 18 RL	24" x 30"
Sta. 12+80, 18 RL to Sta. 12+80, 18 RL	24" x 30"

**Remove Manhole**

Location	Quantity
Sta. 12+80, 24 RL	1 EA
Sta. 12+00, 18 RL	1 EA

**Remove Flared End Section**

Location	Size	Quantity
Sta. 12+05, 23 RL	18"	1 EA

**Remove Inlet**

Location	Type	Quantity
Sta. 12+78, 22 RL	5' x 5' 6"	1 EA

Remove Guard Posts 4 Ea

**Misc. Quantities**

Remove Pavement	1,678 SY
Remove Driveway	757 SY
Remove Sidewalk	1,780 SY
Remove Asphalt Curb & Gutter	17 LF
Milling Bituminous Surface	1,678 SY
Clearing and Grubbing Trees	9'-18" 5 EA

Note: Station reference is to project.

**CITY OF OMAHA**  
**PUBLIC WORKS DEPARTMENT**

DATE: \_\_\_\_\_  
 SCALE: 1" = 20'

**SP 87-16**

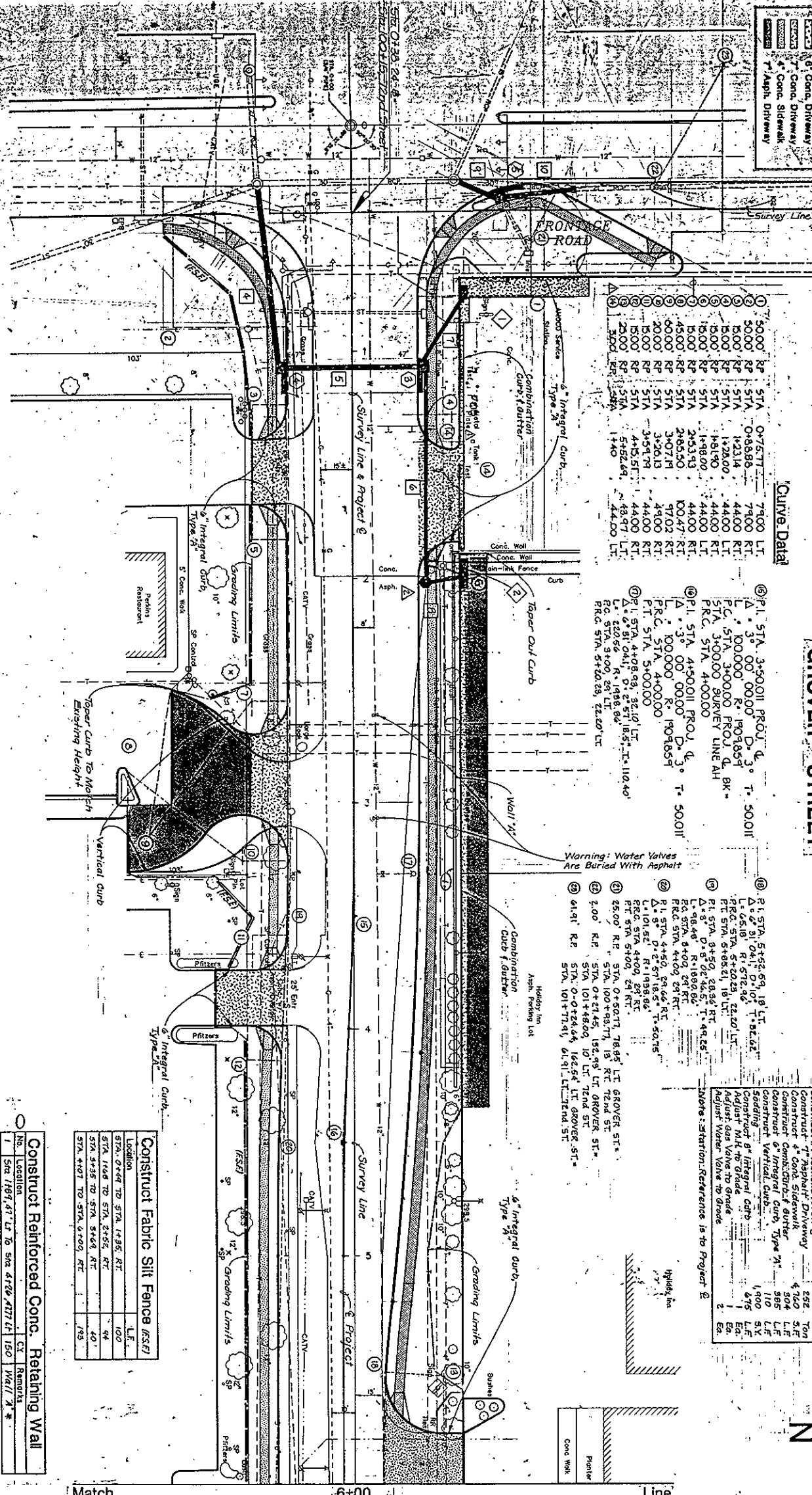
REMOVALS



**LEGEND**

- 1" Conc. Driveway
- 4" Conc. Driveway
- 4" Conc. Sidewalk
- 4" Asphalt Driveway

**GROVER STREET**



**Curve Data**

Sta.	Station	Curve	Radius	Length	Chord	Offset
5+00	RP	57A	0+757.77	7400	LT	
5+00	RP	57A	0+858.86	7400	RT	
5+00	RP	57A	1+231.4	4400	RT	
5+00	RP	57A	1+231.4	4400	LT	
5+00	RP	57A	1+819.0	4400	LT	
5+00	RP	57A	1+819.0	4400	RT	
5+00	RP	57A	2+533.3	4400	RT	
5+00	RP	57A	2+533.3	4400	LT	
5+00	RP	57A	3+077.1	4400	LT	
5+00	RP	57A	3+077.1	4400	RT	
5+00	RP	57A	4+551.7	4400	RT	
5+00	RP	57A	4+551.7	4400	LT	
5+00	RP	57A	5+782.61	4400	LT	
5+00	RP	57A	5+782.61	4400	RT	

**Construct Curb Inlet - Std. Pile 721**

Dig.	Location	Type	Size	Remarks
3	Sta. 7+07	LT	4.0' x 4.0'	
4	Sta. 7+07	RT	5.91	
5	Sta. 7+25	LT	5.90	
6	Sta. 7+25	RT	1.75	SEE DETAIL SHIT 64

**Construct Manhole - Std. Pile 708**

No.	Location	Size	Depth	Remarks
2	Sta. 7+00	36" Dia.	5.23	Flat Top w/ Guard

**Construct Reinforced Concrete Retaining Wall**

No.	Location	Remarks
1	Sta. 7+00 to Sta. 7+10	5' High
2	Sta. 7+10 to Sta. 7+20	5' High
3	Sta. 7+20 to Sta. 7+30	5' High
4	Sta. 7+30 to Sta. 7+40	5' High
5	Sta. 7+40 to Sta. 7+50	5' High
6	Sta. 7+50 to Sta. 7+60	5' High
7	Sta. 7+60 to Sta. 7+70	5' High
8	Sta. 7+70 to Sta. 7+80	5' High
9	Sta. 7+80 to Sta. 7+90	5' High
10	Sta. 7+90 to Sta. 8+00	5' High

**Construct Inlet**

No.	Location	Type	Size	Remarks
1	Sta. 7+07	LT	4.0' x 4.0'	
2	Sta. 7+07	RT	5.91	

**Construct Reinforced Concrete Pipe**

No.	Location	Remarks
1	Sta. 7+00 to Sta. 7+10	48" Dia.
2	Sta. 7+10 to Sta. 7+20	48" Dia.
3	Sta. 7+20 to Sta. 7+30	48" Dia.
4	Sta. 7+30 to Sta. 7+40	48" Dia.
5	Sta. 7+40 to Sta. 7+50	48" Dia.
6	Sta. 7+50 to Sta. 7+60	48" Dia.
7	Sta. 7+60 to Sta. 7+70	48" Dia.
8	Sta. 7+70 to Sta. 7+80	48" Dia.
9	Sta. 7+80 to Sta. 7+90	48" Dia.
10	Sta. 7+90 to Sta. 8+00	48" Dia.

**Construct Fabric Silt Fence (FSF)**

Location	Length	Remarks
Sta. 7+00 to Sta. 7+10	100	
Sta. 7+10 to Sta. 7+20	100	
Sta. 7+20 to Sta. 7+30	100	
Sta. 7+30 to Sta. 7+40	100	
Sta. 7+40 to Sta. 7+50	100	
Sta. 7+50 to Sta. 7+60	100	
Sta. 7+60 to Sta. 7+70	100	
Sta. 7+70 to Sta. 7+80	100	
Sta. 7+80 to Sta. 7+90	100	
Sta. 7+90 to Sta. 8+00	100	

**MISC. QUANTITIES**

Construct 4" Conc. Driveway	5,457	S.Y.
Construct 4" Conc. Sidewalk	484	S.Y.
Construct 4" Asphalt Driveway	252	Ton
Construct 4" Conc. Sidewalk	4,740	S.F.
Construct 4" Conc. Sidewalk	504	L.F.
Construct 4" Conc. Sidewalk	985	L.F.
Construct 4" Conc. Sidewalk	1,400	S.Y.
Construct 4" Conc. Sidewalk	675	L.F.
Construct 4" Conc. Sidewalk	1,400	S.Y.
Construct 4" Conc. Sidewalk	675	L.F.
Construct 4" Conc. Sidewalk	1,400	S.Y.
Construct 4" Conc. Sidewalk	675	L.F.

**CITY OF OMAHA**  
**PUBLIC WORKS DEPARTMENT**  
 DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SCALE: 1" = 20'  
**SP 87-16**  
 SHEET 4 OF 17

**LEGEND**

1	6" Conc. Driveway
2	4" Conc. Sidewalk
3	7" Asphalt Driveway

**CITY DATA**

1	35.00	RP	STA	6+707.19	64.00	RT
2	25.00	RP	STA	6+382.49	43.00	LT
3	35.00	RP	STA	7+131.19	64.00	RT
4	20.00	RP	STA	8+550.09	38.00	LT
5	5.00	RP	STA	1+052.29	61.37	RT
6	5.00	RP	STA	8+700.09	71.24	LT
7	20.00	RP	STA	9+260.09	38.00	LT
8	BEADN TAPER	STA	7+131.19	19.00	RT	
9	END TAPER	STA	8+131.19	18.00	RT	
10	5.00	RP	STA	8+150.00	85.00	RT
11	5.00	RP	STA	8+53.00	53.27	RT
12	5.00	RP	STA	8+90.19	53.27	RT
13	5.00	RP	STA	8+18.19	53.27	RT

**GROVER STREET**

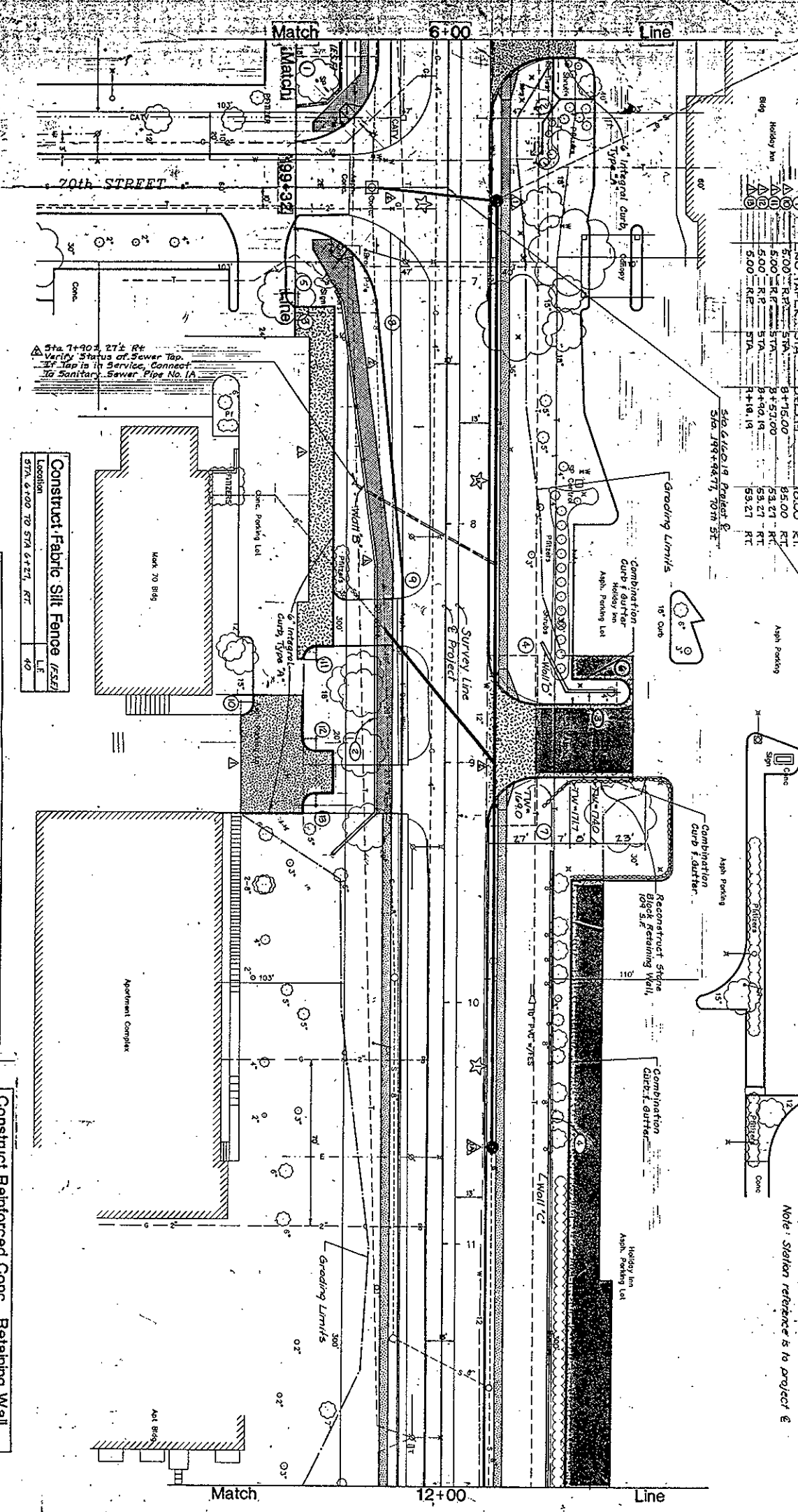
**Misc. Quantities**

Construct	9" Conc. Pavement	2,759	S.Y.
Construct	4" Conc. Sidewalk	579	S.Y.
Construct	7" Asphalt Driveway	4,785	S.F.
Construct	Comb. Curb & Gutter	202	TON
Construct	6" Integral Curb Type W	382	LF
Construct	6" Integral Curb Type W	140	LF
Sodding		2,900	S.Y.
Construct	6" Integral Curb	1,150	LF
Adjust	M.H. to Grade	5	EA.
Adjust	Gas Valve to Grade	4	EA.
Adjust	Water Valve to Grade	2	EA.

**Reconstruct Sanitary Service**

Address	LF	Remains
Mark to Bldg	BO	YEARS IN SERVICE

Note: Station reference is to project &



Sta 7+902.27 ± Rt  
Verify Status of Sewer Tap.  
If Tap is in Service, Connect  
to Sanitary Sewer Pipe No. 1A

**Construct Fabric Silt Fence (SSS)**

Location	LF
STA 6+700 TO STA 6+271 RT	40

**Construct Sanitary Manhole**

No.	Location	F.L.	V.F.E.	Remarks
1	Sta. 6+706, 201' Lt.	155.00	184	Construct Drop Connection & Ea.
1A	Sta. 10+740, 207' Lt.	148.85	75	Verify Rowline of Exst. Pipe

**Construct Reinforced Conc. Retaining Wall**

No.	Location	CT	Remarks
1	Sta 7+04.07-65.29 to Sta 9+40.76-57.94	195	Wall 'B' *
2	Sta 8+50.38-45.16 to Sta 8+70.70-11.70	23	Wall 'D' *
3	Sta 8+70.70-11.70 to Sta 8+70.70-11.70	23	Wall 'C' *
4	Sta 8+70.70-11.70 to Sta 8+70.70-11.70	23	Wall 'C' *

**Construct Sanitary Sewer Pipe**

No.	Location	Material	Remarks
1	EXIST. MH. 6+46.12 RT. TO STA. MH. NO. 1	5" x 6.2"	TOP EXIST. MH. (Subsidiary)
2	Sta. MH. NO. 1 TO STA. MH. NO. 1A	8" x 5.9"	

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SCALE 1" = 20'

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**LEGEND**

- 6" CONC. DRIVEWAY
- CONC. DRIVEWAY
- CONC. SIDEWALK
- 7" ASPH. DRIVEWAY

**[Curve Data]**

1	Sta. 13+50.03	PROJ. Q.	T = 50.01'
2	Sta. 13+00.00	R = 190.1851'	
3	Sta. 14+00.04	PROJ. Q.	T = 50.01'
4	Sta. 14+00.04	R = 190.1851'	
5	Sta. 14+00.04	PROJ. Q.	T = 50.01'
6	Sta. 14+00.04	R = 190.1851'	
7	Sta. 14+00.04	PROJ. Q.	T = 50.01'
8	Sta. 14+00.04	R = 190.1851'	
9	Sta. 14+00.04	PROJ. Q.	T = 50.01'
10	Sta. 14+00.04	R = 190.1851'	

**[Construct Manhole - Std. Plt. 708]**

No.	Location	FL	VF	Remarks
3	Sta. 12+79 (20' RH)	122.00 (5')	7.2'	5.4" Dia.
4	Sta. 13+35 (20' RH)	122.00 (5')	7.0'	5.4" Dia.

**[Misc. Quantities]**

Construct 9" Conc. Pavement	2,400	SX
Construct 7" Conc. Driveway	300	SX
Construct 4" Conc. Sidewalk	4,976	SF
Construct 7" Asphalt Driveway	121	Ton
Construct Conc. curb & gutter	129	LF
Construct 6" Asphalt Curb	60	LF
Construct 6" Integral Curb	2,400	SX
Construct 6" Integral Curb, Type 2"	1,060	LF
Construct 6" Integral Curb, Type 3"	200	LF
Adjust 4" dia. to grade drains	2	LF
Adjust 6" dia. to grade drains	2	LF
Adjust 8" dia. to grade drains	1	LF

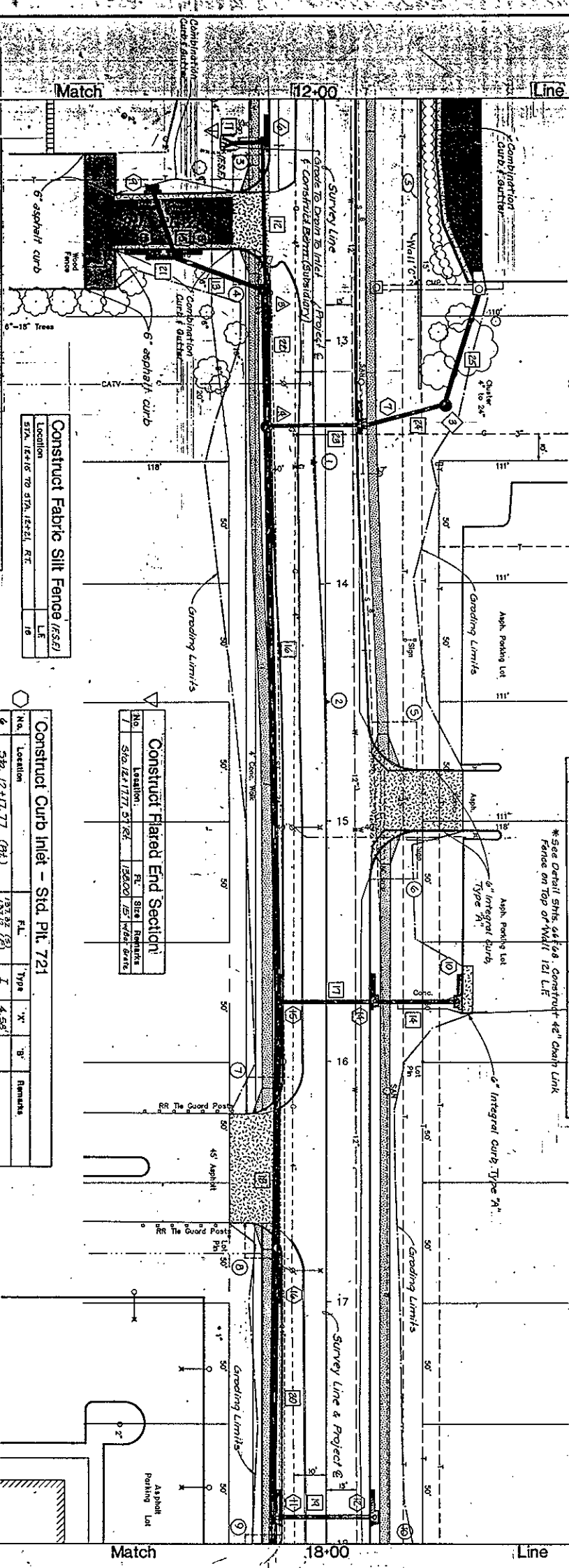
Note: Station reference to project &

**[Curve Data]**

1	Sta. 12+23.04	RT	3300
2	Sta. 12+77.04	RT	3300
3	Sta. 14+60.08	LT	3800
4	Sta. 15+24.30	LT	3800
5	Sta. 16+06.62	RT	3300
6	Sta. 16+81.97	RT	3300
7	Sta. 17+94.50	RT	3300
8	Sta. 17+94.50	RT	3300
9	Sta. 17+94.50	RT	3300
10	Sta. 17+94.50	RT	3300

**[Construct Reinforced Conc. Retaining Wall]**

No.	Location	CY	REMARKS
5	Sta. 12+00, 44' E2 to Sta. 13+15.58	148	Wall C *



**[Construct Reinforced Concrete Pipe]**

No.	Location	Size	Remarks
11	Sta. 12+10	15" x 10"	
12	Sta. 12+59'	18" x 9"	
13	Sta. 12+59'	24" x 36"	
14	Sta. 12+32'	18" x 32"	
15	Sta. 12+32'	18" x 32"	
16	Sta. 12+32'	30" x 36"	
17	Sta. 12+32'	18" x 32"	
18	Sta. 12+32'	18" x 32"	
19	Sta. 12+32'	18" x 32"	
20	Sta. 12+32'	30" x 36"	
21	Sta. 12+32'	18" x 32"	
22	Sta. 12+32'	18" x 32"	
23	Sta. 12+32'	18" x 32"	
24	Sta. 12+32'	18" x 32"	
25	Sta. 12+32'	18" x 32"	

**[Construct Fabric Silt Fence (FSF)]**

Location	LF
Sta. 12+16 to Sta. 12+21	10

**[Construct Curb Inlet - Std. Plt. 721]**

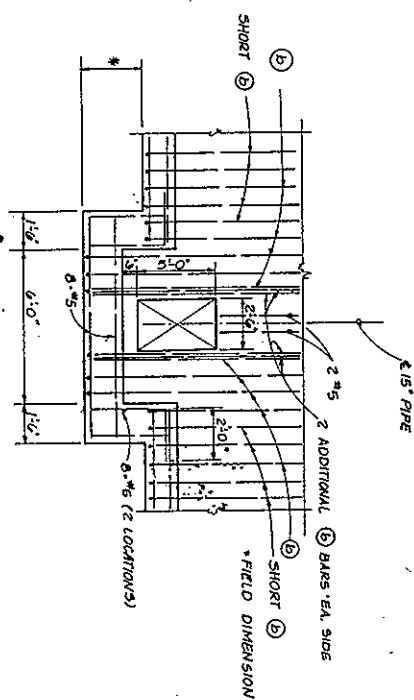
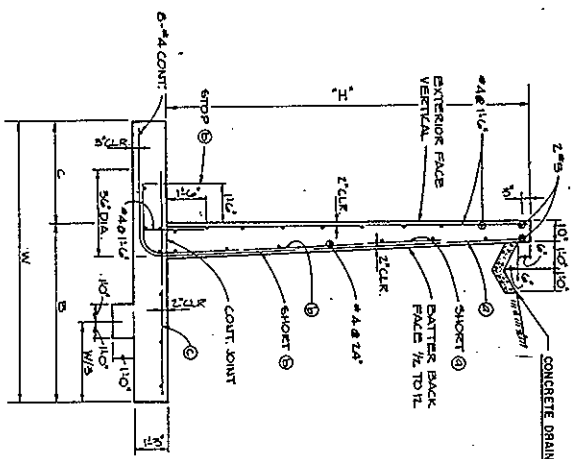
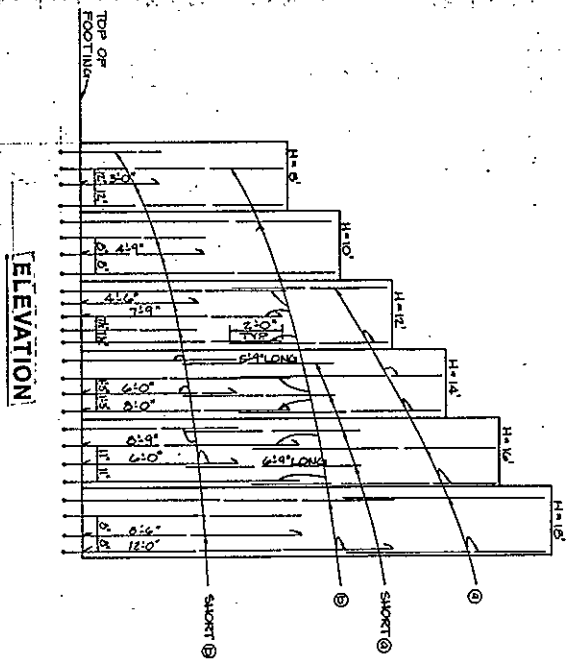
No.	Location	FL	Type	X	Y	Remarks
6	Sta. 12+77 (RH)	122.00 (5')	I	4.58'		
7	Sta. 12+77 (RH)	122.00 (5')	I	4.25'		
8	Sta. 12+63 (RH)	122.00 (5')	III	5.05'	1.83'	
9	Sta. 12+32 (RH)	122.00 (5')	II	3.50'		
10	Sta. 12+32 (RH)	122.00 (5')	I	4.77'		
11	Sta. 12+32 (RH)	122.00 (5')	III	7.26'	3.00'	
12	Sta. 12+32 (RH)	122.00 (5')	I	3.75'		
13	Sta. 12+32 (RH)	122.00 (5')	I	4.06'		
14	Sta. 12+32 (RH)	122.00 (5')	III	7.26'	2.42'	
15	Sta. 12+32 (RH)	122.00 (5')	III	4.71'	2.42'	

**[Construct Inlet]**

No.	Location	FL	Type	X	Y	Remarks
3	Sta. 12+27 (5.4' LH)	122.00 (5')	I	5.00'	5.44'	Plt. 717

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CONSTRUCTION!  
 SP 87-16  
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**TABLE OF REINFORCING STEEL DIMENSIONS AND DATA**

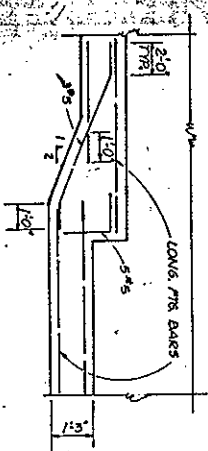
WALL DESIGN HEIGHT	SOIL BEARING PRESSURE			
	A	B	C	D
W	6'-0"	6'-0"	6'-0"	6'-0"
C	2'-0"	2'-0"	2'-0"	2'-0"
D	5'-0"	5'-0"	5'-0"	5'-0"
① BARS	④	④	④	④
② BARS	④	④	④	④
③ BARS	④	④	④	④
④ BARS	④	④	④	④
⑤ BARS	④	④	④	④
⑥ BARS	④	④	④	④
⑦ BARS	④	④	④	④
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TYPICAL SECTION

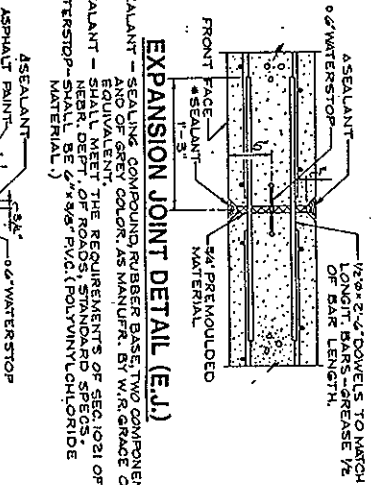
DESIGN DATA

CONCRETE 28-DAY STRENGTH  $f'_c$  3000 PSF  
 ALLOWABLE SOIL BEARING PRESSURE  $f_s$  40000 PSF  
 ALLOWABLE SOIL BEARING PRESSURE 1750 PSF  
 WALLS A, B & D 2000 PSF  
 WALL C 2000 PSF  
 EARTH LOADS (EQUIVALENT FLUID PRESSURE) 40 PCF

TYPICAL WALL DETAILS



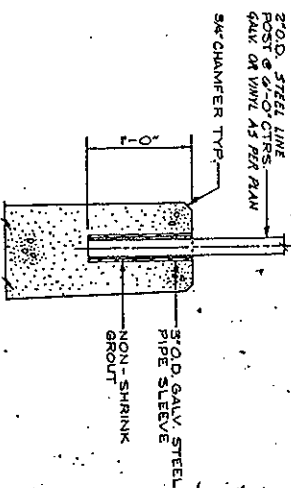
TYPICAL FOOTING STEP-DOWN



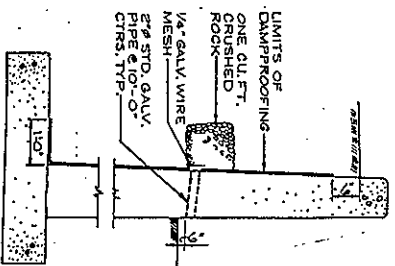
EXPANSION JOINT DETAIL (E.J.)

\* SEALANT - SEALING COMPOUND, RUBBER BASE, TWO COMPONENT AND OF GREY COLOR, AS MANUF. BY W.R. GRACE OR EQUIVALENT. THE REQUIREMENTS OF SEC. 1021 OF NEBR. DEPT. OF ROADS, STANDARD SPECS. WATERSTOP - SHALL BE 6" x 96" PVC (POLYVINYLCHLORIDE MATERIAL.)

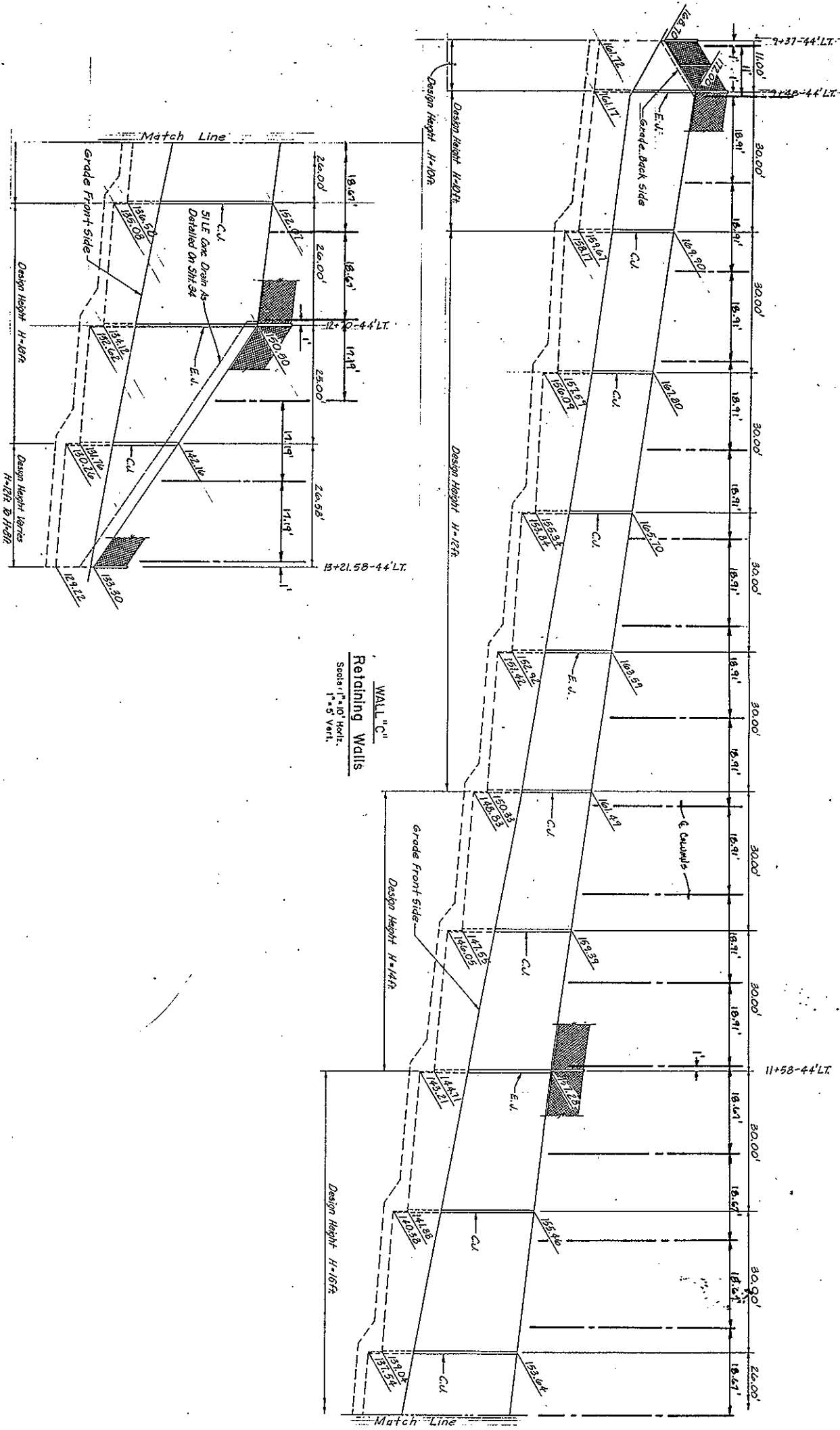
CHAIN LINK FENCE DETAIL



WEEP HOLE DETAIL







CITY OF OMAHA  
 PUBLIC WORKS DEPARTMENT  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SCALE: 1" = 10' HORIZ.  
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RETAINING WALLS

S.P. 87-16