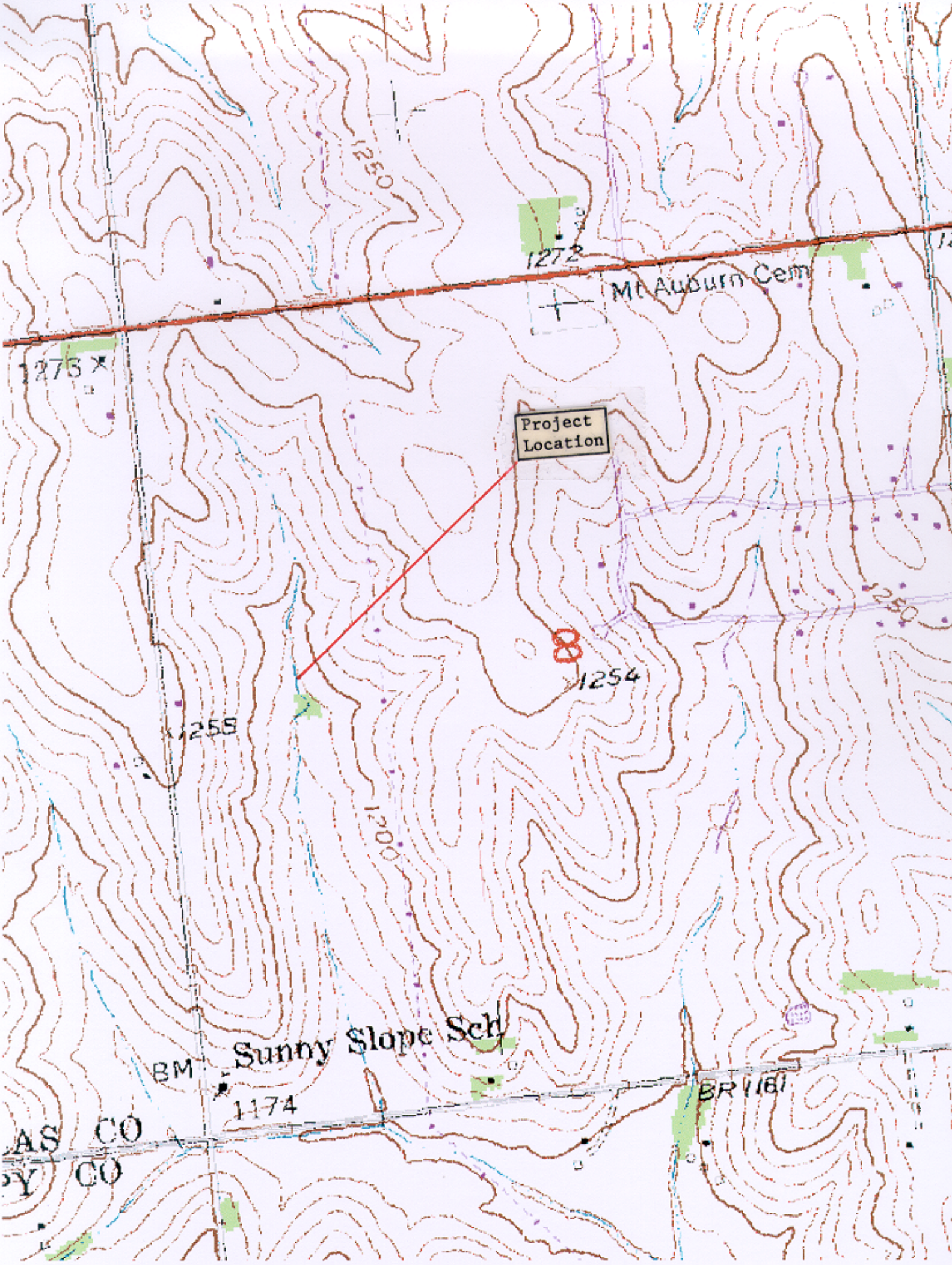

Project Location
Mt Auburn Cem
1272
1275
1254
1255
1250
1200
Sunny Slope Sch
BM
1174
BR 161
AS CO
Y CO

Project
Location

United States Department of Agriculture

T-14-N R-11-E
Section 8

Farm Service Agency

Douglas County

2003 Digital Orthophotography - Not to Scale

N

July 28, 2004

Diggers Hotline Of Nebraska
Statewide (800) 331-5666
Metro Omaha 344-5555
Call Before You Dig... It's The Law

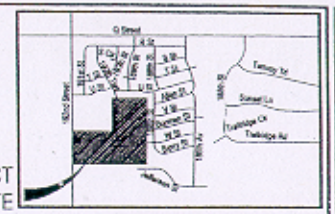
Improvement Plans for

COTTONWOOD CREEK REPLAT ONE

STORM SEWER CULVERTS - SECTION I

A Subdivision Located in the West 1/2 of the NW 1/4 of Section 8, Township 14 North, Range 11 East of the 6th P.M.
S.& I. D. No. 505
Douglas County, Nebraska

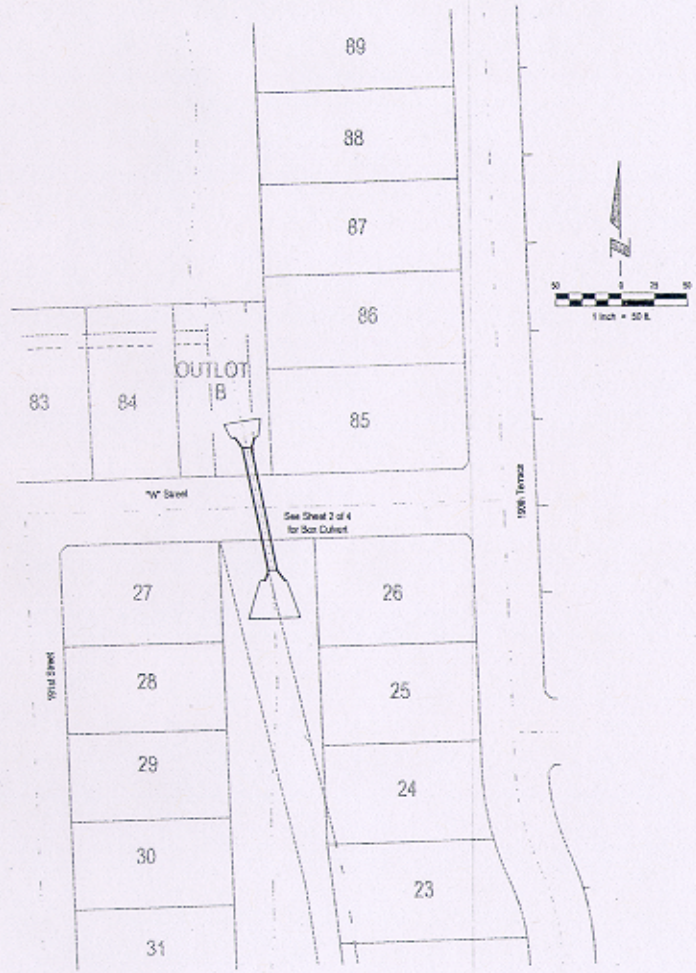
PROJECT SITE



VICINITY MAP

GENERAL NOTES

1. The City of Omaha Standard Specifications for Public Works Construction, 2003 Edition and any current revisions or amendments thereto and the Special Provisions for this Project shall apply and the Contractor shall perform in accord therewith.
2. The Contractor shall check with the Engineer for City approval of the project before starting work. The Engineer and the City of Omaha Public Works Department shall be notified by the Contractor 48 hours before start of construction. Furthermore, the Contractor shall contact City Inspector Matt Grosse @ 444-6282 at least 48 hours prior to any pre-construction meetings and 48 hours prior to beginning of construction.
3. Inspection during construction will be paid for by the Owner.
4. The finish grade profiles correspond within approximately 12 inches to existing grade unless otherwise shown.
5. The Contractor shall be charged for replacing construction stakes and lot pins which are destroyed by his operations.
6. ...wn as a convenience for the Contractor. The locations of all aerial and ...d utility facilities may not be indicated in these plans. Underground utilities, whether ...not, will be located and flagged by the utility companies at the Contractor's request. ...tion will be permitted in the area of the underground utilities until all facilities have been located and and identified to the satisfaction of all parties and then only with extreme care to avoid any possibility of damages to the facilities.
7. Water reducing admixtures shall be added to all hand-placed and finished concrete.
8. This project is subject to the requirements and restrictions imposed by the City of Omaha, the State of Nebraska and NPDES. Grading permits have been issued (OPW ____-GR____) which require certain erosion control improvements to have been constructed and maintained throughout all stages of construction on the site, including terraces, silt fencing, and temporary sediment basins. The Contractor shall be responsible for prompt reconstruction of any erosion control improvements disturbed by his operations. All disturbed erosion control improvements shall be fully reconstructed at the end of each working day prior to leaving the site. Separate payment will not be made for reconstruction of any erosion control improvements and this work shall be considered subsidiary to those items for which payment is made. Positive drainage in all work areas shall be maintained in the condition the construction site was in prior to Contractors arrival.
9. Extra work required to be added to this Contract as directed in writing by the Engineer, which is to be completed by other parties and not the General Contractor shall be paid for at the actual cost of the work as invoiced by the other party plus five percent (5%) to cover the General Contractor's costs for processing, bonding, profit and other costs.
10. Concrete Collars called out in these plans are considered subsidiary to the construction of the storm sewer system, unless otherwise noted on the plans.
11. The Contractor is hereby referred to the Standard Specifications relative to cleaning of the work. The final estimate will not be processed until the Contractor has satisfactorily cleaned and flushed the work area of all rubbish, excess material, mud and debris, and all parts of the work area are left in a neat and presentable manner. All disturbed right-of-way areas shall be restored to a level and smooth section prior to acceptance of the work.
12. The Contractor shall be responsible for coordinating their work with the Engineer in requesting line stakes and grades. The District will not be responsible for delays due to lack of grades or line stakes.
13. All inlet structures will be located in the field by the engineer.
14. Crushed Rock Bedding for the R.C.P. shall be placed at locations where unstable trench bottom ...s are encountered in accordance with the Standard Specifications and as approved by ...ner.
15. ...tion: The culverts shall be properly bedded and installed. The Contractor shall backfill to the finished grade over "W" Street box, as shown on the plans. Backfill shall be compacted in maximum 24" lifts to a minimum of 95% of dry density per the most current edition of ASTM D698 (Standard Method) with moisture limits of -4% and +4% optimum. The contractor shall use caution in placing the backfill around and above the box to prevent disturbance of the joints or alignment.
The crushed rock bedding beneath the box culverts shall be compacted to 95% of dry density per the most current edition of ASTM D698 (Standard Method) with moisture as required to get compaction.
16. Barricades and Warning Signs shall be placed and maintained by the Contractor in accordance with City of Omaha Standard Specifications, 2003 Edition. Under no circumstances shall the Contractor be allowed to remove temporary barricades and warning signs from this project until the permanent traffic control signing is in place.



INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET & NOTES
2	"W" STREET BOX CULVERT PLAN & PROFILE
3	DRAINAGE GRADING PLAN & PROFILE
4	CHANNEL CROSS-SECTIONS

APPROXIMATE QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
1.	EARTHWORK (EXCAVATION)	850	CY
2.	EARTHWORK (EMBANKMENT)	200	CY
3.	CRUSHED ROCK BEDDING	110	TN
4.	CONSTRUCT 6'x5' RC BOX CULVERT W/ WINGWALLS	96	LF
5.	CONSTRUCT RIPRAP, CLASS 'B'	200	TN

E&A CONSULTING GROUP, INC.
ENGINEERS • PLANNERS • SURVEYORS
7366 SOUTH 109TH STREET, SUITE D
LAVISTA, NEBRASKA 68128-5647
PHONE: (402) 422-7257
10909 G STREET
OMAHA, NE 68137
(402) 331-1923 FAX (402) 331-7585

COTTONWOOD CREEK REPLAT ONE
STORM SEWER CULVERTS - SECTION I
S.& I.D. NO. 505

COVER SHEET & NOTES

OPW _____ Project Type: ST

Proj.No:	2003025.05	No.	Revisions / Description
Date:	04/05/2004		Date
Designed By:	E.G.		
Drawn By:	E.G.		
Checked By:			

NOTES:
1. Contractor is responsible for the proper disposal of all cleared material and shall properly disposed of such material in accordance with all local, state, and federal regulations.

Digger's Hotline Of Nebraska
Statewide (800) 331-5666
Metro Omaha 344-3565
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TYP. RIPRAP BANK STABILIZATION SECTION DETAIL

NOT TO SCALE

RIPRAP BANK STAB. DOWN & UP STREAM PLAN DETAIL

NOT TO SCALE

"W" STREET BOX CULVERT (6' X 5')

Scale: Horiz. 1"=20'
Vert. 1"=2'

OPW ______ Project Type: ST

Proj No.:	2003036.00
Date:	04/20/2004
Designed By:	E.G.
Drawn By:	E.G.

Revisions: Date | Description

TROY T. SCHABEN E-10173 — State of Nebraska

"W" STREET BOX CULVERT PLAN & PROFILE

COTTONWOOD CREEK REPLAT ONE
STORM SEWER CULVERTS - SECTION I

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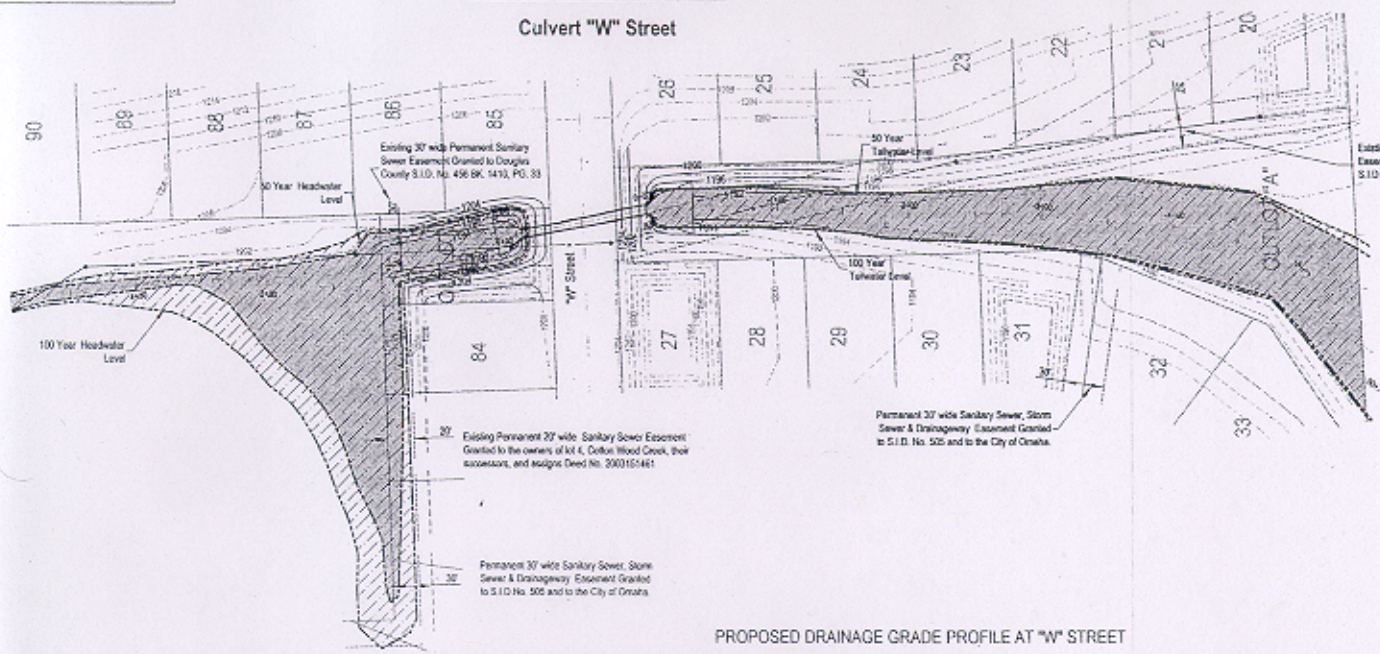
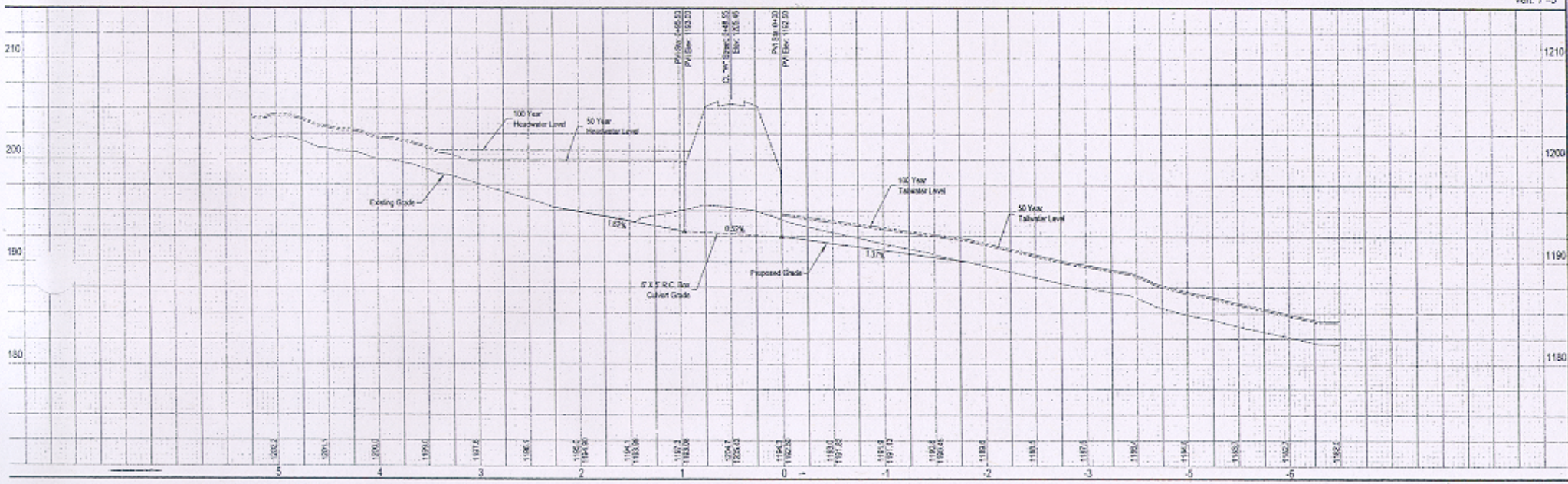
DRAINAGE GRADING DETAIL

Culvert "W" Street



PROPOSED DRAINAGE GRADE PROFILE AT "W" STREET



Scale: Horiz. 1"=50'
Vert. 1"=5'

OPW _____ Project Type: ST

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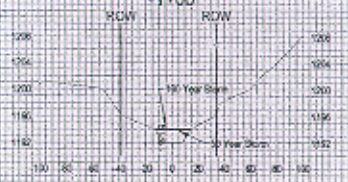
COTTONWOOD CREEK
REPLAT ONE
STORM SEWER CULVERTS - SECTION I

DRAINAGE GRADING
PLAN & PROFILE

TROY T. SCHAEFER
E-10178

Scale: Horiz. 1"=50'
Vert. 1"=10'

-1+00



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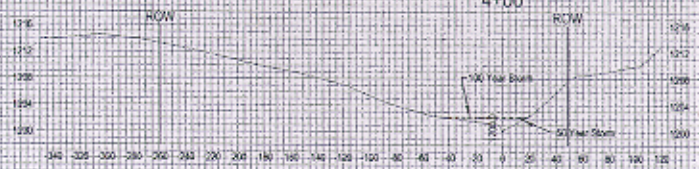

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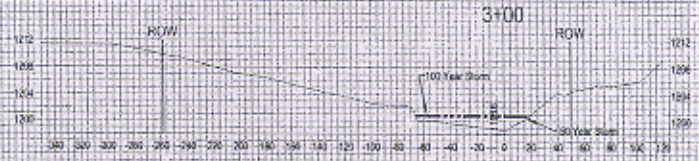
3+00



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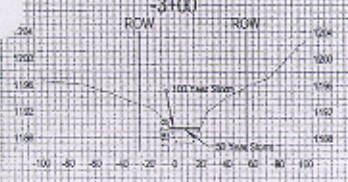

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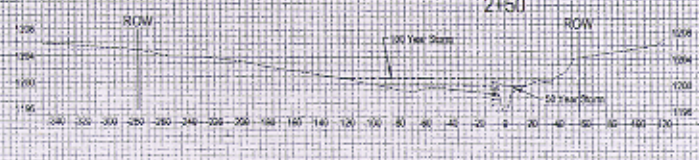

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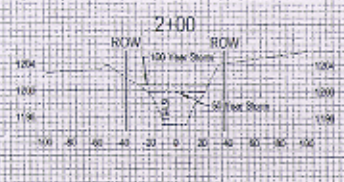

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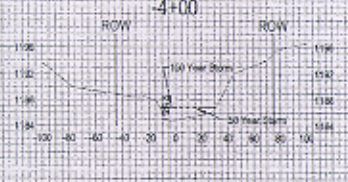

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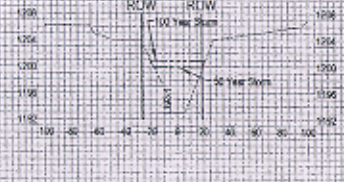

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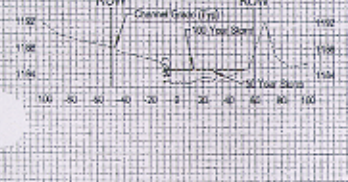

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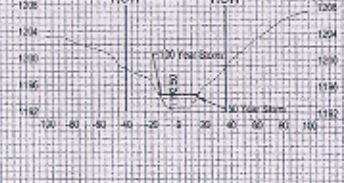

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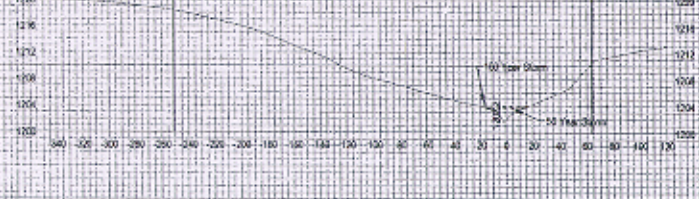

Project Type: ST

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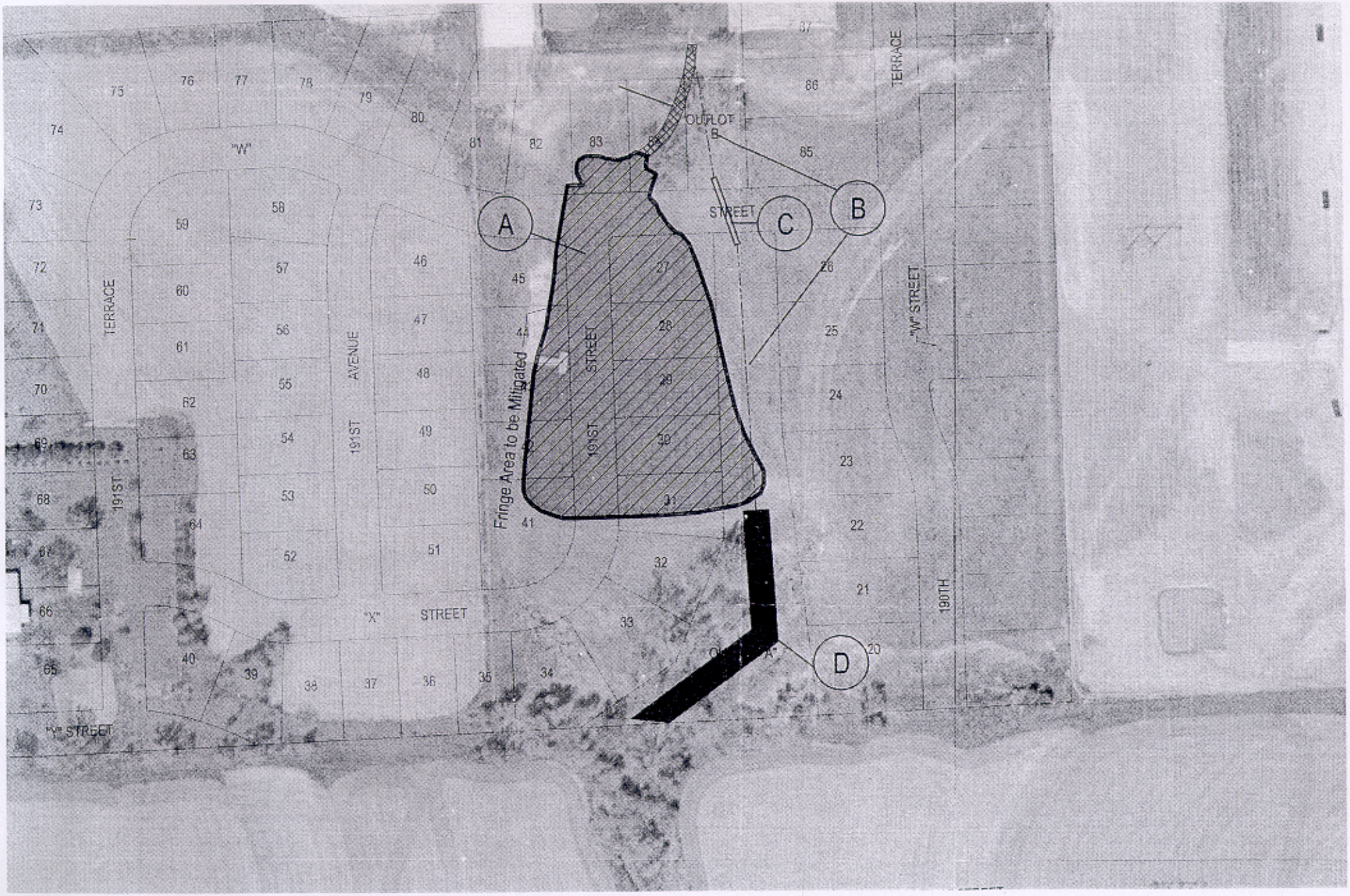
COTTONWOOD CREEK
REPLAT ONE

CHANNEL
CROSS-SECTIONS

Proj No: 2003008.00
Date: 04/30/2004
Designed BY: E.G.

No. | Date | Revisions | Description

OPW



A
B
C
D
OUTLOT B
STREET
TERRACE
"W" STREET
190TH
191ST STREET
Fringe Area to be Mitigated
"X" STREET
"Y" STREET
191ST AVENUE
TERRACE
"W"