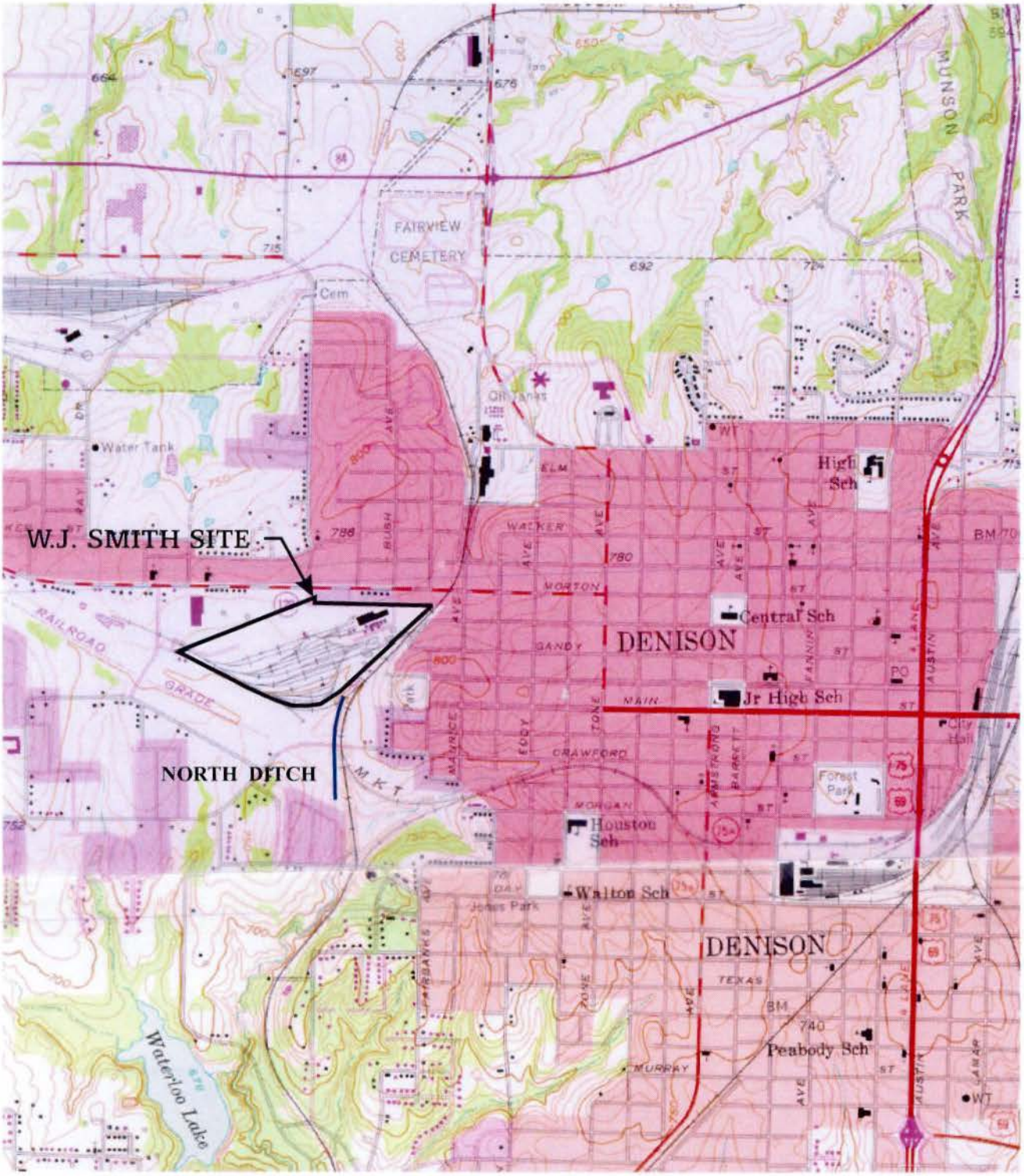

QUADRANGLE LOCATION

U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC)

DENISON DAM QUADRANGLE
SHERMAN QUADRANGLE
TEXAS

0 2,000 4,000

SCALE IN FEET
CONTOUR INTERVAL: 10 FEET
1973/1974

N

PENDERGAST SARNI ITELL

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Figure 1

SITE LOCATION MAP
Katy Industries, Inc.
W.J. Smith Wood Preserving Company
Denison, Texas

MORTON STREET

W.J. SMITH OFFICE

FORMER OPERATIONS

LAND TREATMENT UNIT

WATER TREATMENT SYSTEM

PROPERTY BOUNDARY

NORTH SWALE

TRUCK AND EQUIPMENT HAUL ROAD TO LTU

FLORA LANE

CRAWFORD STREET

NORTH DITCH REMEDIATION AREA

PROPERTY BOUNDARY

UNION PACIFIC RAILROAD

ABANDONED RAILWAY

ROYAL RIDGE DRIVE

SOUTH DITCH

DAY STREET

IRON ORE CREEK

MW92-1 MW92-2 MW92-3 MW92-4 MW92-5 MW92-6 MW92-7 MW92-8 MW92-9 P92-1 P92-2 P92-3 P92-4 P92-5 P92-6 P92-7 MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-16 MW-17 MW-18

LEGEND:

MW92-1 GROUNDWATER MONITORING WELL LOCATION

STATION LOCATION (REMEDIAL ACTION - MARCH 1996)

N

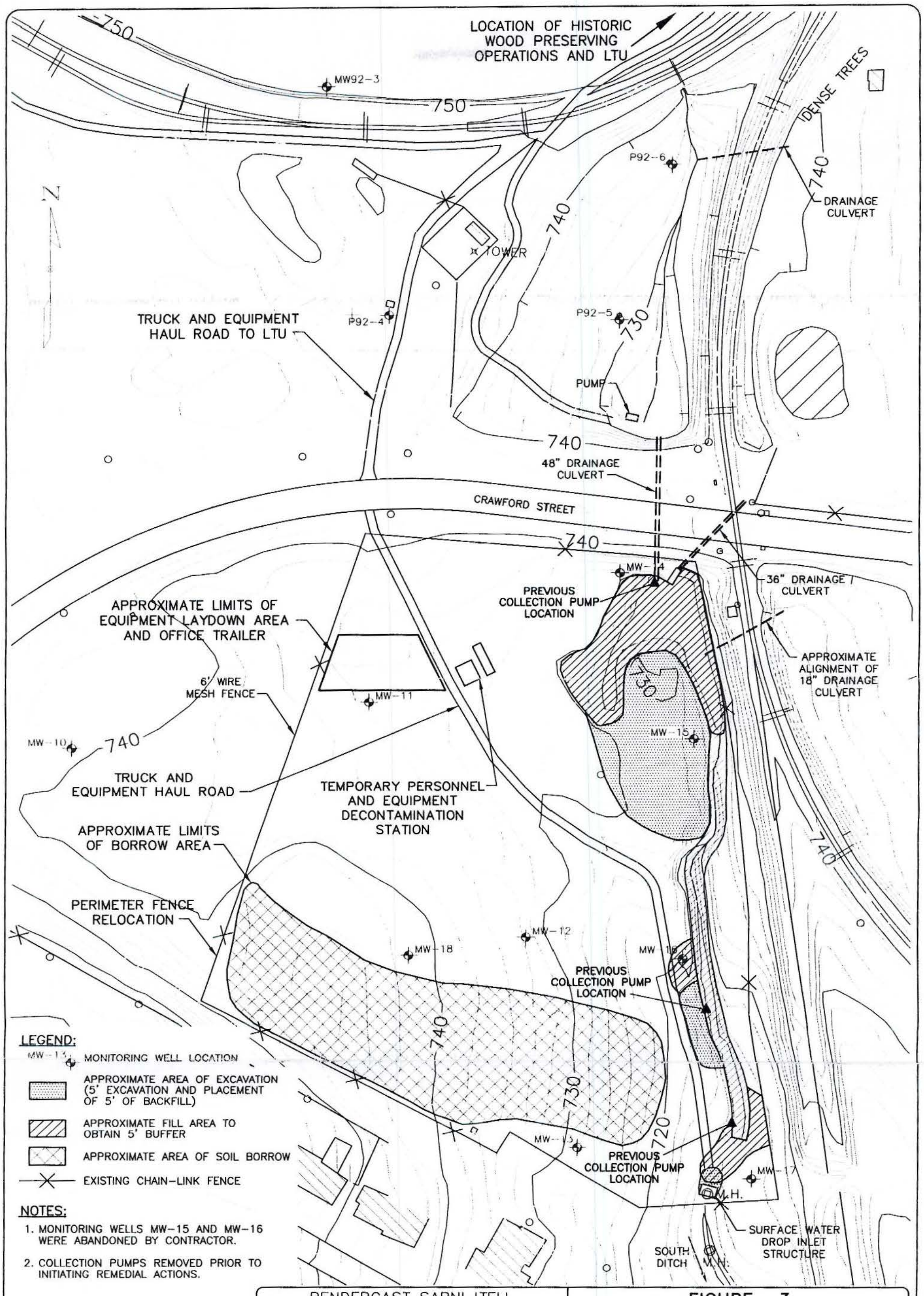
0 200 400

SCALE IN FEET

REFERENCE:
AFTER AERIAL PHOTOGRAPH BY METROPOLITAN AERIAL SURVEYS. FLOWN: 4-11-98.

KAT-071

PREPARED FOR: KATY INDUSTRIES, INC. W.J. SMITH WOOD PRESERVING CO.	PREPARED BY: PENDERGAST SARNI ITELL ENVIRONMENTAL MANAGEMENT LLC, 1809 Blake Street, Suite 210, Denver, Colorado 80202		
ENGINEER	TITLE: SITE AREA MAP	SCALE: AS SHOWN	
REVISIONS: No. / DESCRIPTION / BY / DATE		DRAWING No.: FIGURE 2	A REVISION
		PROJECT No.: KAT.003.00	
REFERENCE	DESIGNED CEM 08/13/00	DRAWN SBE 08/13/00	CHECKED CEM 08/13/00
	APPROVED WS 08/13/00	APPROVED	


LOCATION OF HISTORIC WOOD PRESERVING OPERATIONS AND LTU
DENSE TREES
DRAINAGE CULVERT
TOWER
TRUCK AND EQUIPMENT HAUL ROAD TO LTU
PUMP
48" DRAINAGE CULVERT
CRAWFORD STREET
36" DRAINAGE CULVERT
PREVIOUS COLLECTION PUMP LOCATION
APPROXIMATE LIMITS OF EQUIPMENT LAYDOWN AREA AND OFFICE TRAILER
6' WIRE MESH FENCE
APPROXIMATE ALIGNMENT OF 18" DRAINAGE CULVERT
TRUCK AND EQUIPMENT HAUL ROAD
TEMPORARY PERSONNEL AND EQUIPMENT DECONTAMINATION STATION
APPROXIMATE LIMITS OF BORROW AREA
PERIMETER FENCE RELOCATION
PREVIOUS COLLECTION PUMP LOCATION
PREVIOUS COLLECTION PUMP LOCATION
SURFACE WATER DROP INLET STRUCTURE
SOUTH DITCH
M.H.
MW-3
P92-6
P92-4
P92-5
MW-4
MW-11
MW-10
MW-15
MW-18
MW-12
MW-17
750
740
730
720
LEGEND:
MONITORING WELL LOCATION
APPROXIMATE AREA OF EXCAVATION (5' EXCAVATION AND PLACEMENT OF 5' OF BACKFILL)
APPROXIMATE FILL AREA TO OBTAIN 5' BUFFER
APPROXIMATE AREA OF SOIL BORROW
EXISTING CHAIN-LINK FENCE
NOTES:
1. MONITORING WELLS MW-15 AND MW-16 WERE ABANDONED BY CONTRACTOR.
2. COLLECTION PUMPS REMOVED PRIOR TO INITIATING REMEDIAL ACTIONS.
100 0 100
SCALE IN FEET
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DRAWING NO. KAT-076
DATE 08/19/00
REVISION A
FIGURE 3
SITE LAYOUT MAP
NORTH DITCH
EXCAVATION AND FILL AREAS

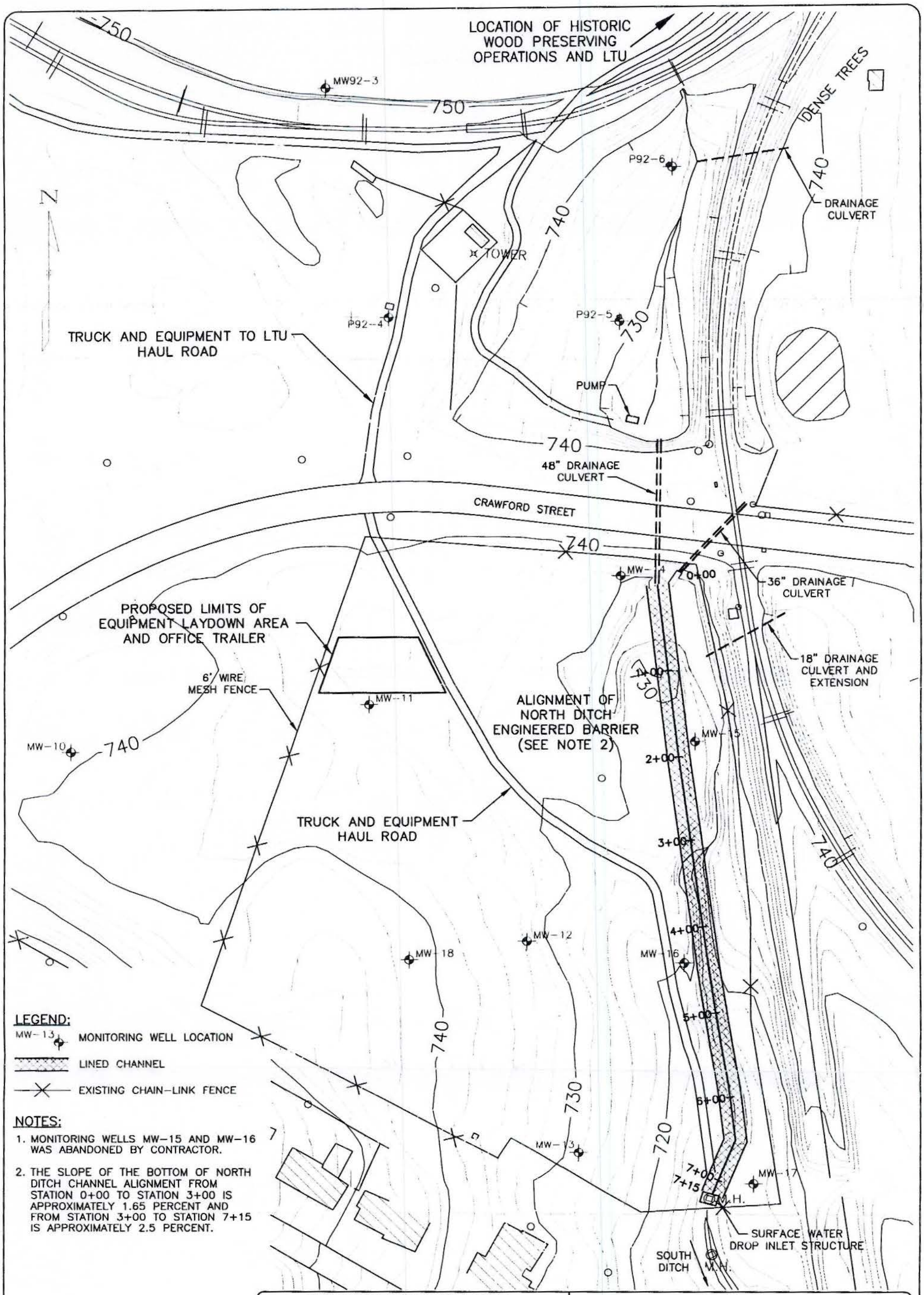

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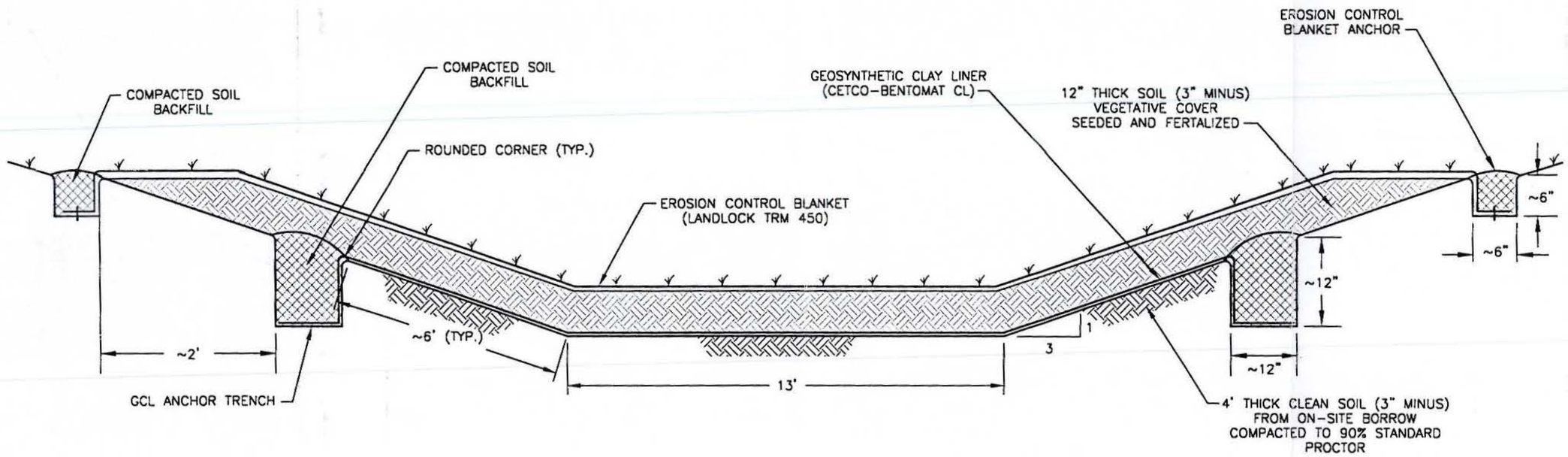
FIGURE 4

APPROXIMATE ALIGNMENT OF NORTH DITCH CHANNEL



NOT TO SCALE

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FIGURE 5

TYPICAL CROSS SECTION OF NORTH DITCH ENGINEERED DRAINAGE CHANNEL

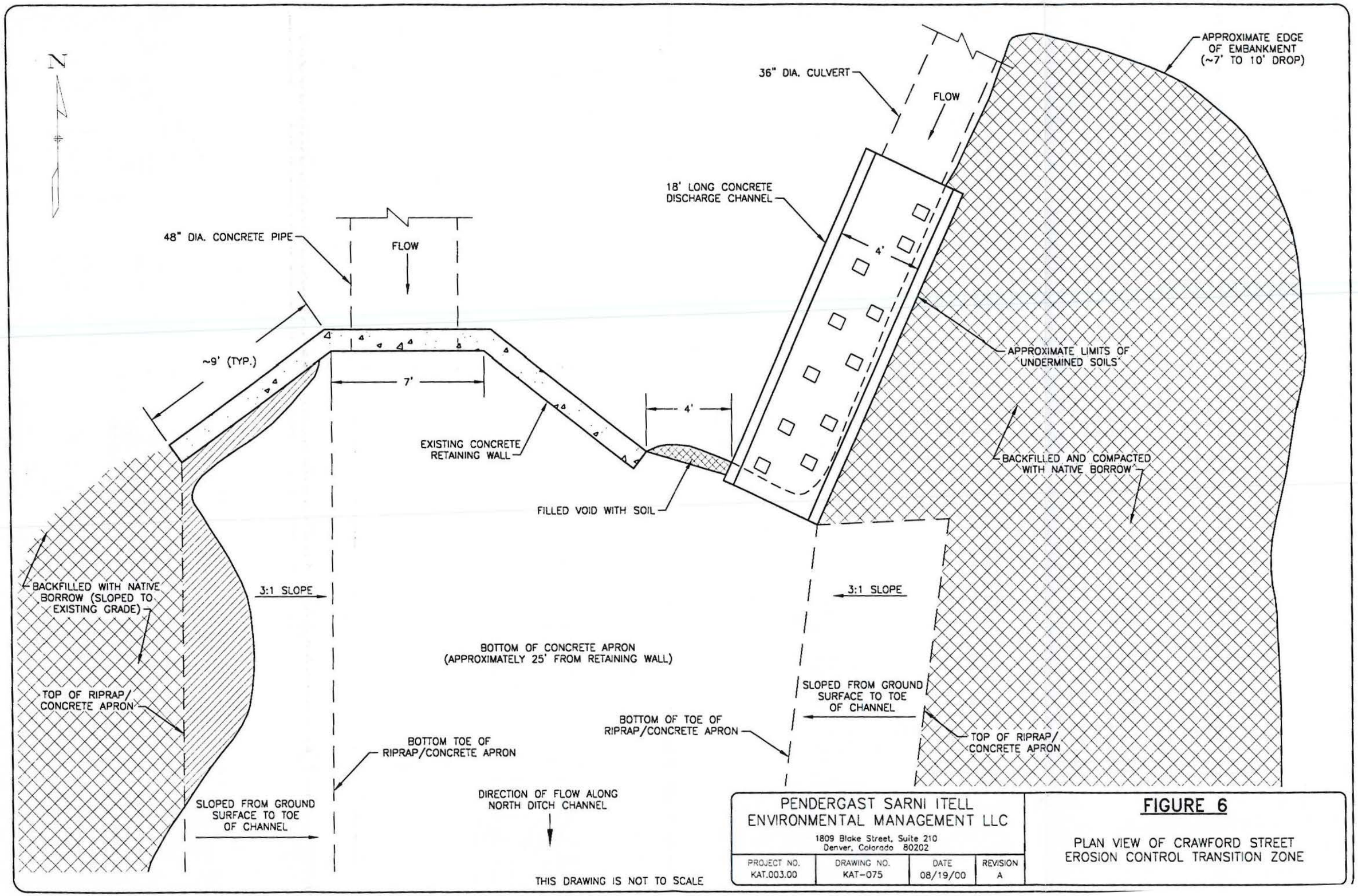

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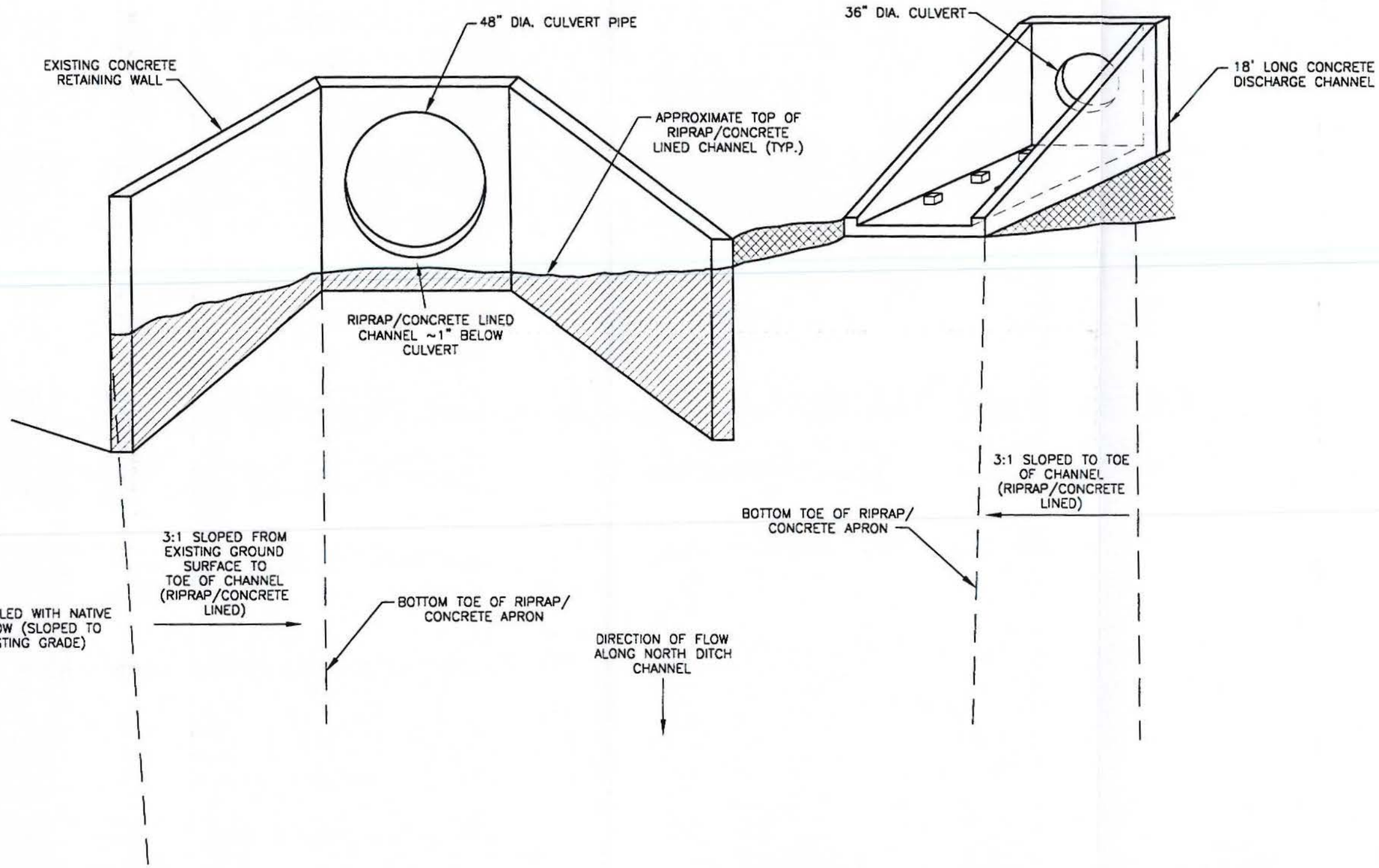
FIGURE 6

PLAN VIEW OF CRAWFORD STREET EROSION CONTROL TRANSITION ZONE



NOTE:

1. 9" MINUS RIPRAP FROM LOCAL BORROW SOURCE. AT THE DISCHARGE CULVERT NEAR CRAWFORD STREET, VOIDS OF RIPRAP WERE STABILIZED WITH CONCRETE (1500 PSI FLOWFILL CONCRETE).

THIS DRAWING IS NOT TO SCALE

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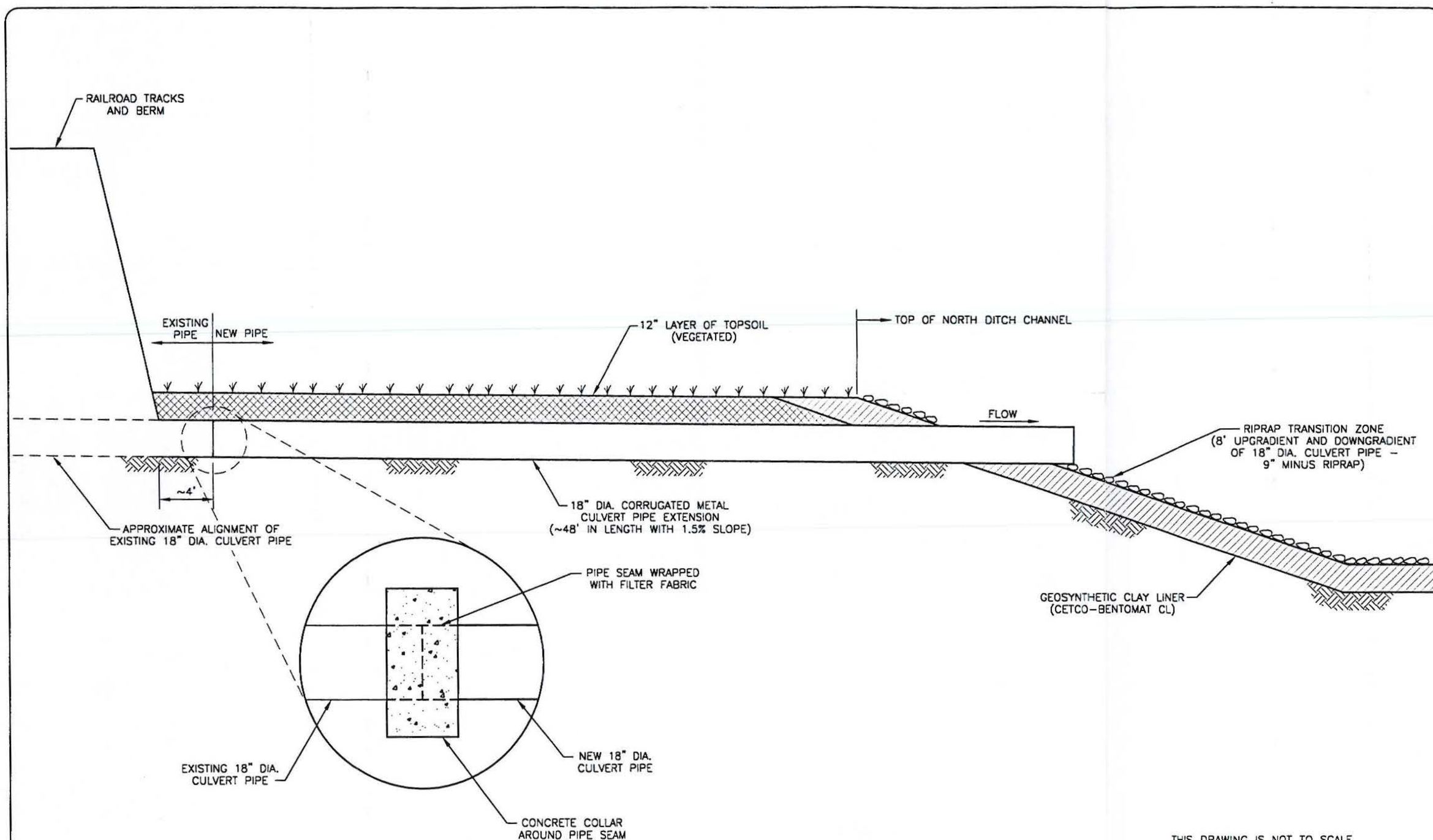
FIGURE 7

CROSS SECTION OF CRAWFORD STREET EROSION CONTROL TRANSITION ZONE (LOOKING NORTH)



THIS DRAWING IS NOT TO SCALE

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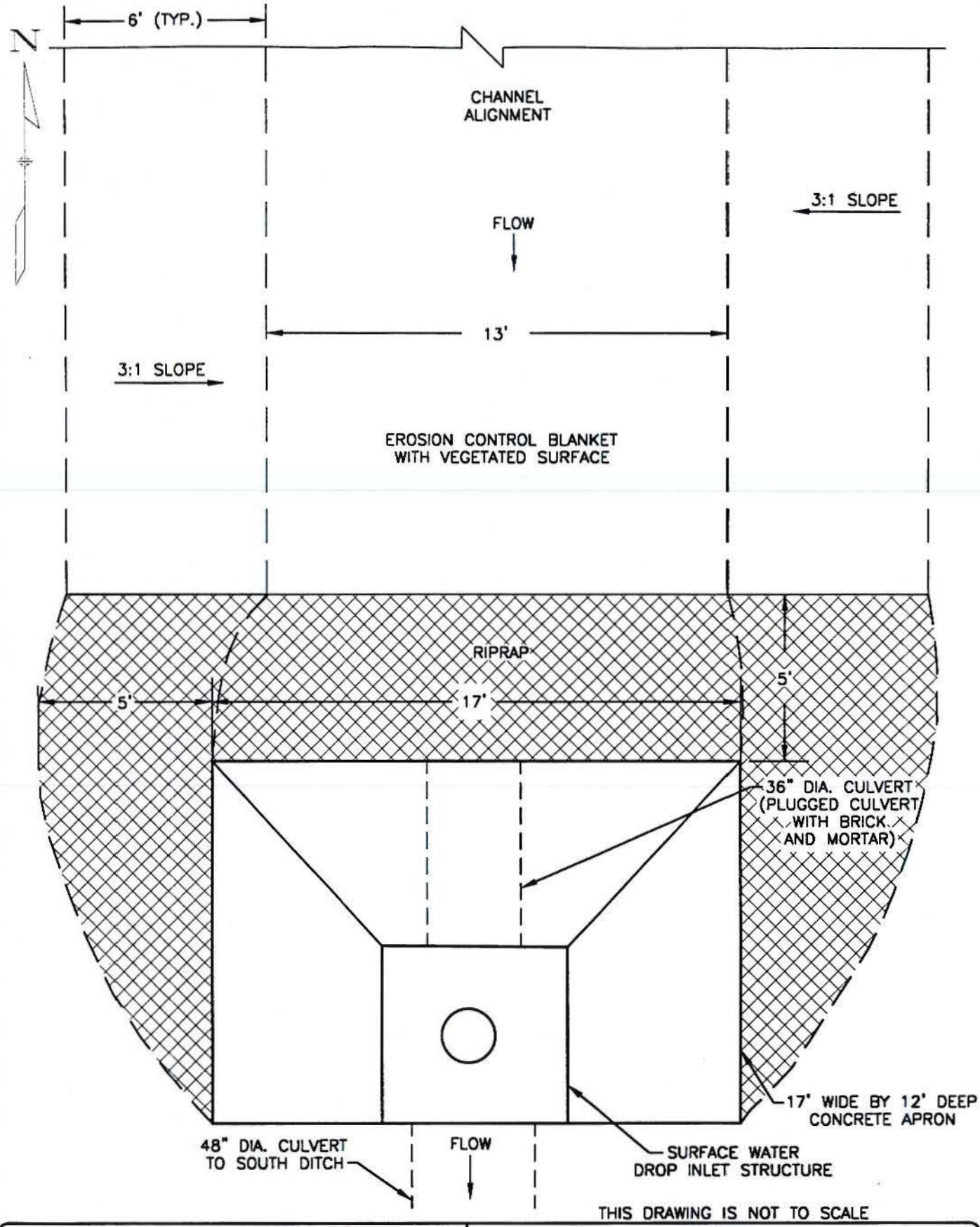
FIGURE 8

CROSS SECTION OF 18" DIAMETER CULVERT EXTENSION AND RIPRAP DISCHARGE



THIS DRAWING IS NOT TO SCALE

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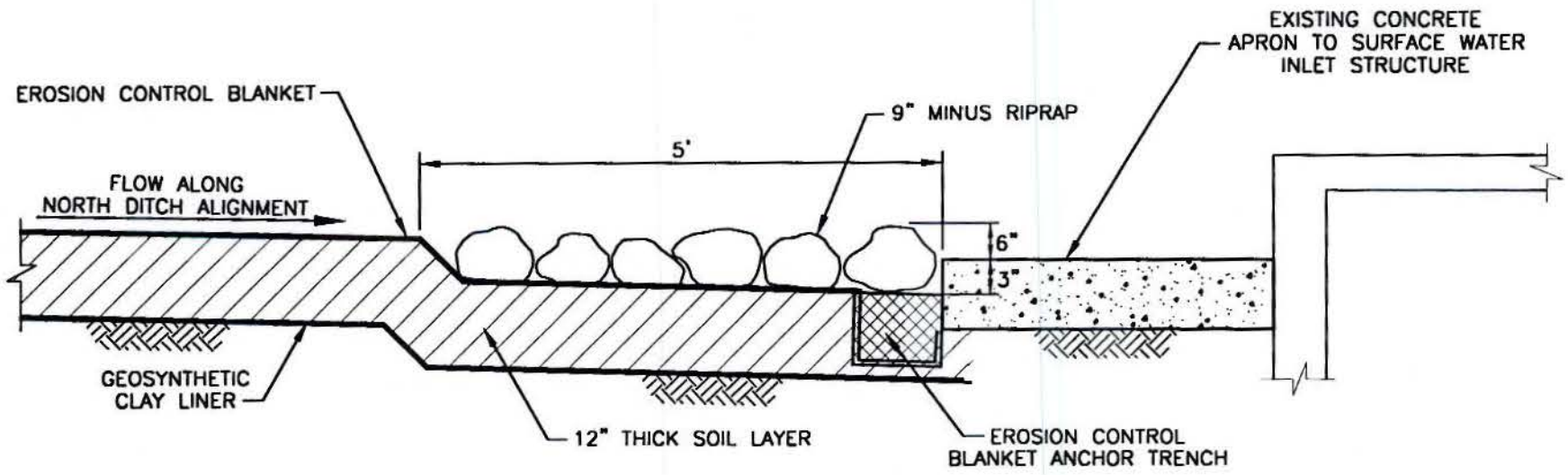
FIGURE 9

PLAN VIEW OF SURFACE WATER DROP INLET STRUCTURE AND RIPRAP TRANSITION ZONE



THIS DRAWING IS NOT TO SCALE

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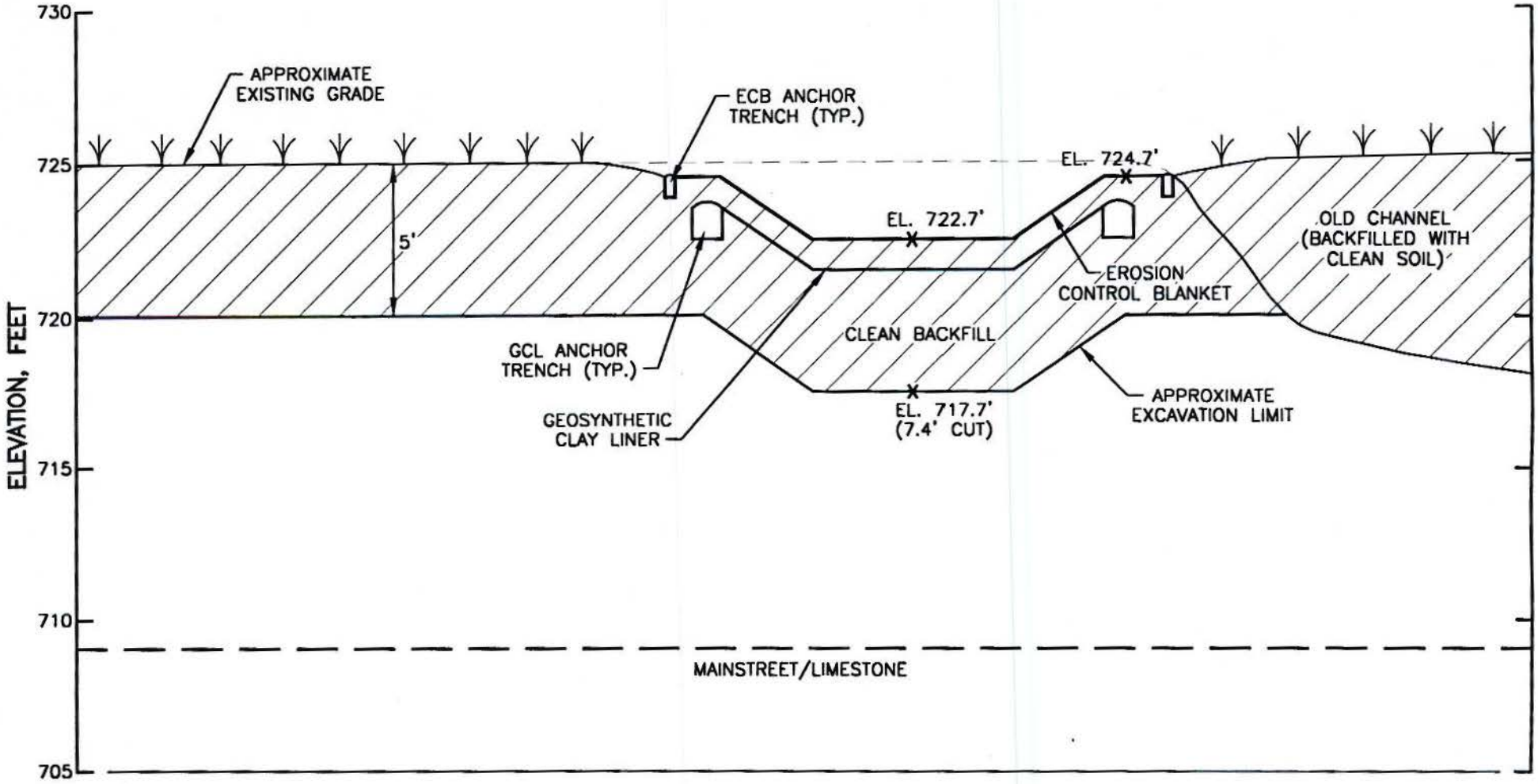
FIGURE 10

CROSS SECTION OF SURFACE WATER
DROP INLET STRUCTURE AND
RIPRAP TRANSITION ZONE



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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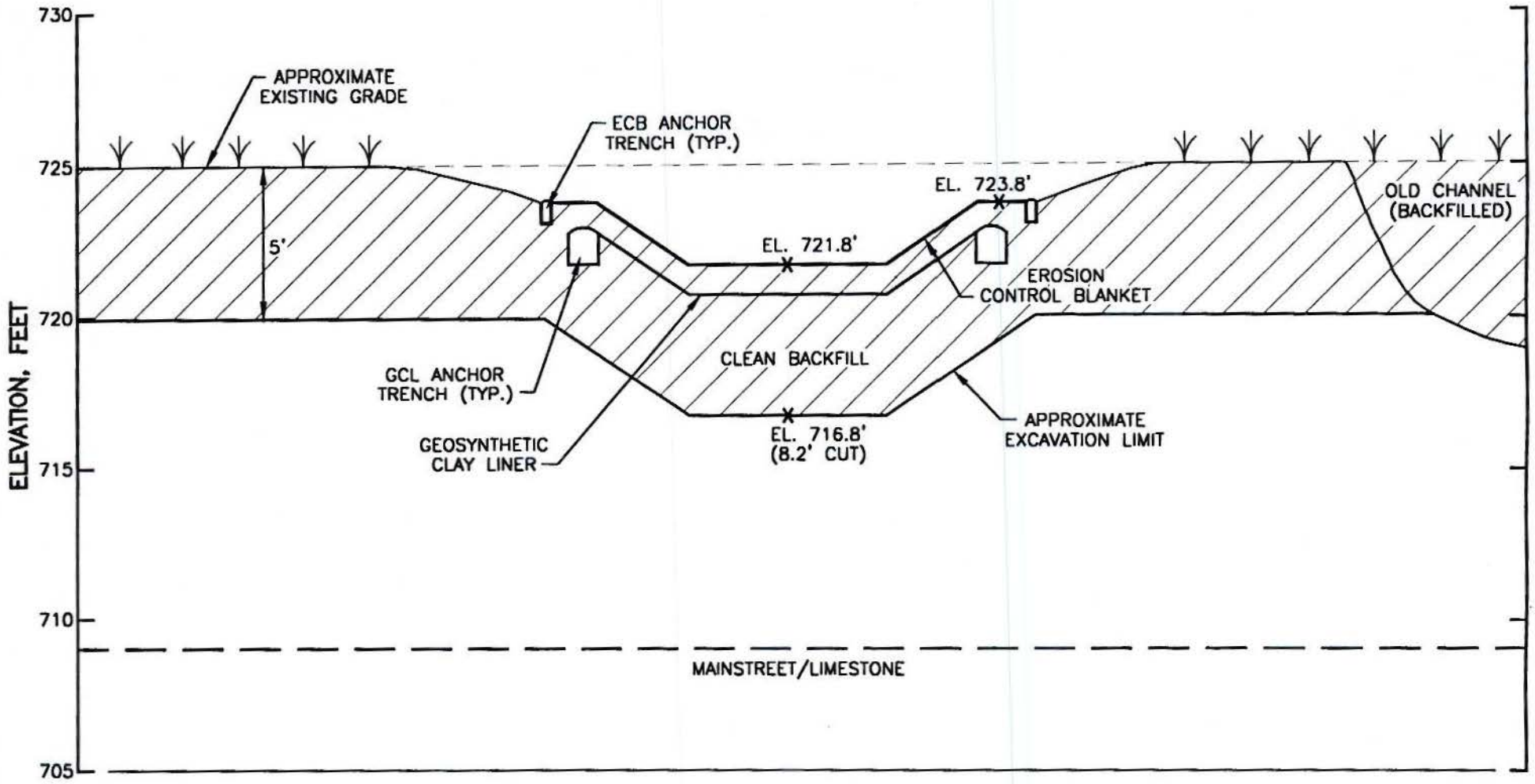
FIGURE 11

CROSS SECTION
STATION 1+00



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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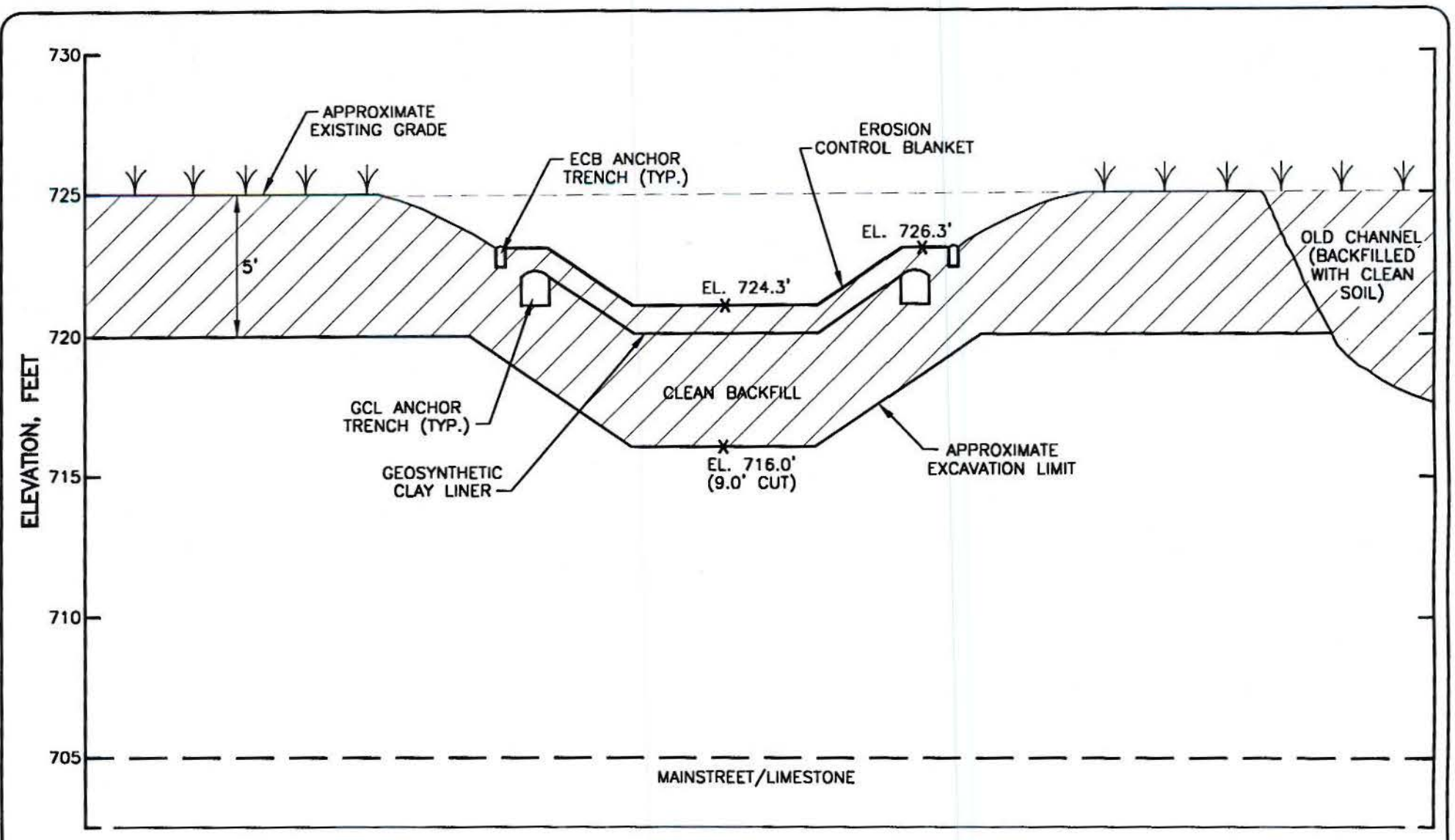
FIGURE 12

CROSS SECTION
STATION 1+50



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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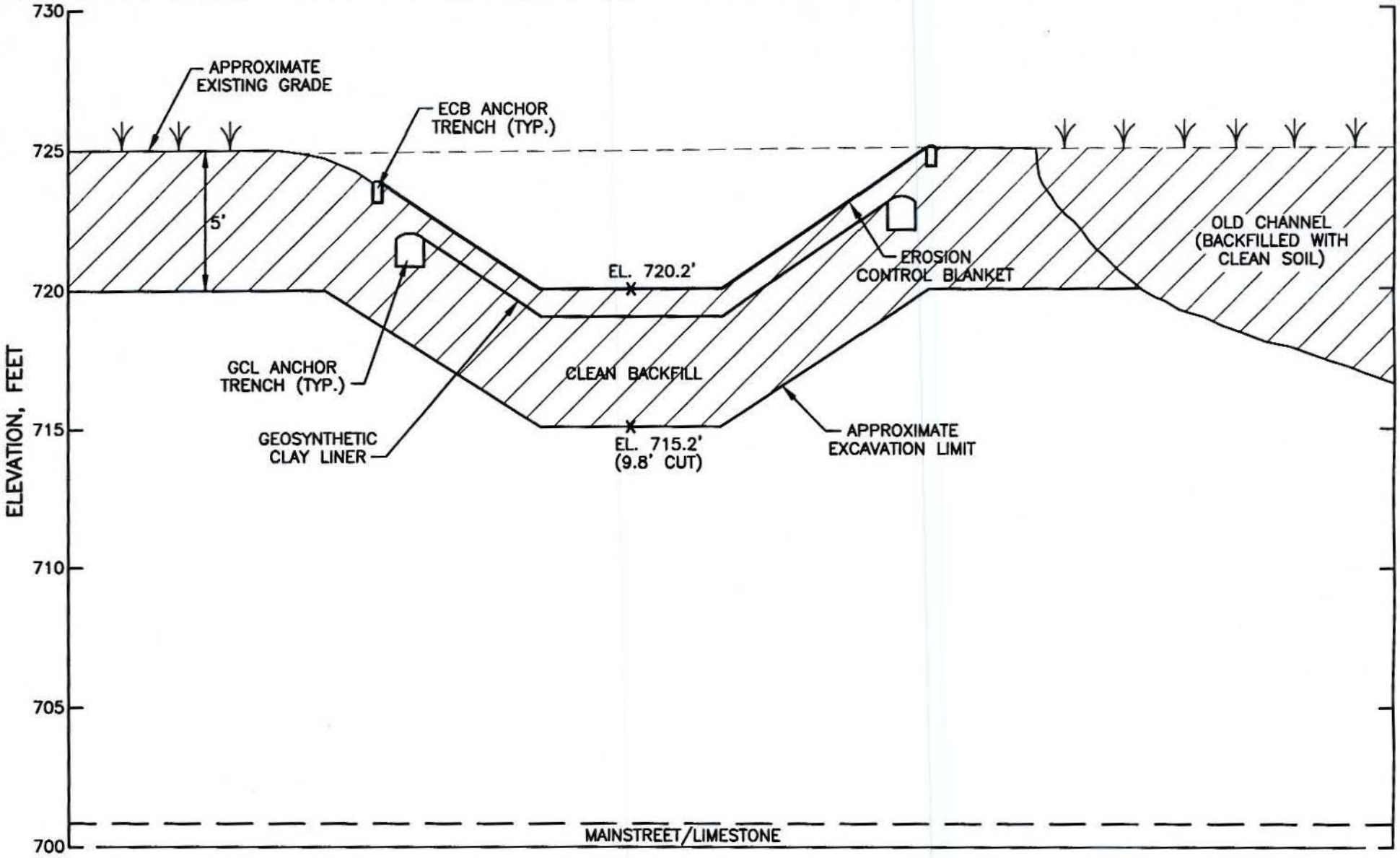
FIGURE 13

CROSS SECTION
STATION 2+00



0 10 20

HORIZONTAL SCALE IN FEET

0 5 10

VERTICAL SCALE IN FEET

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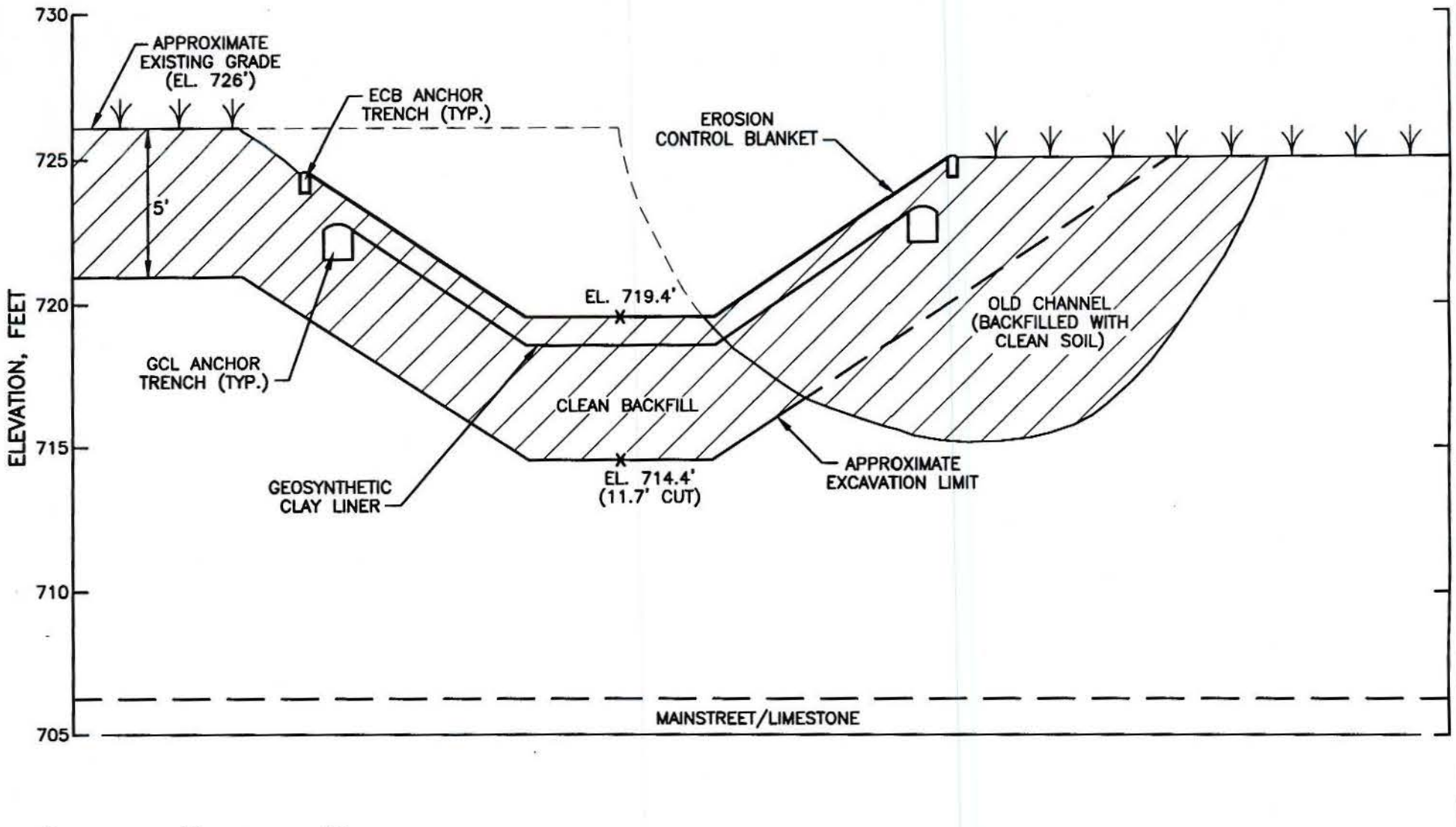
FIGURE 14

CROSS SECTION
STATION 2+50



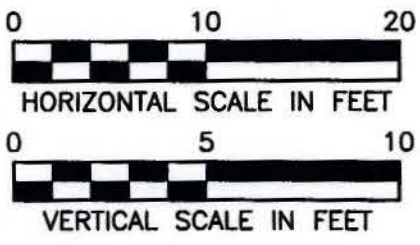


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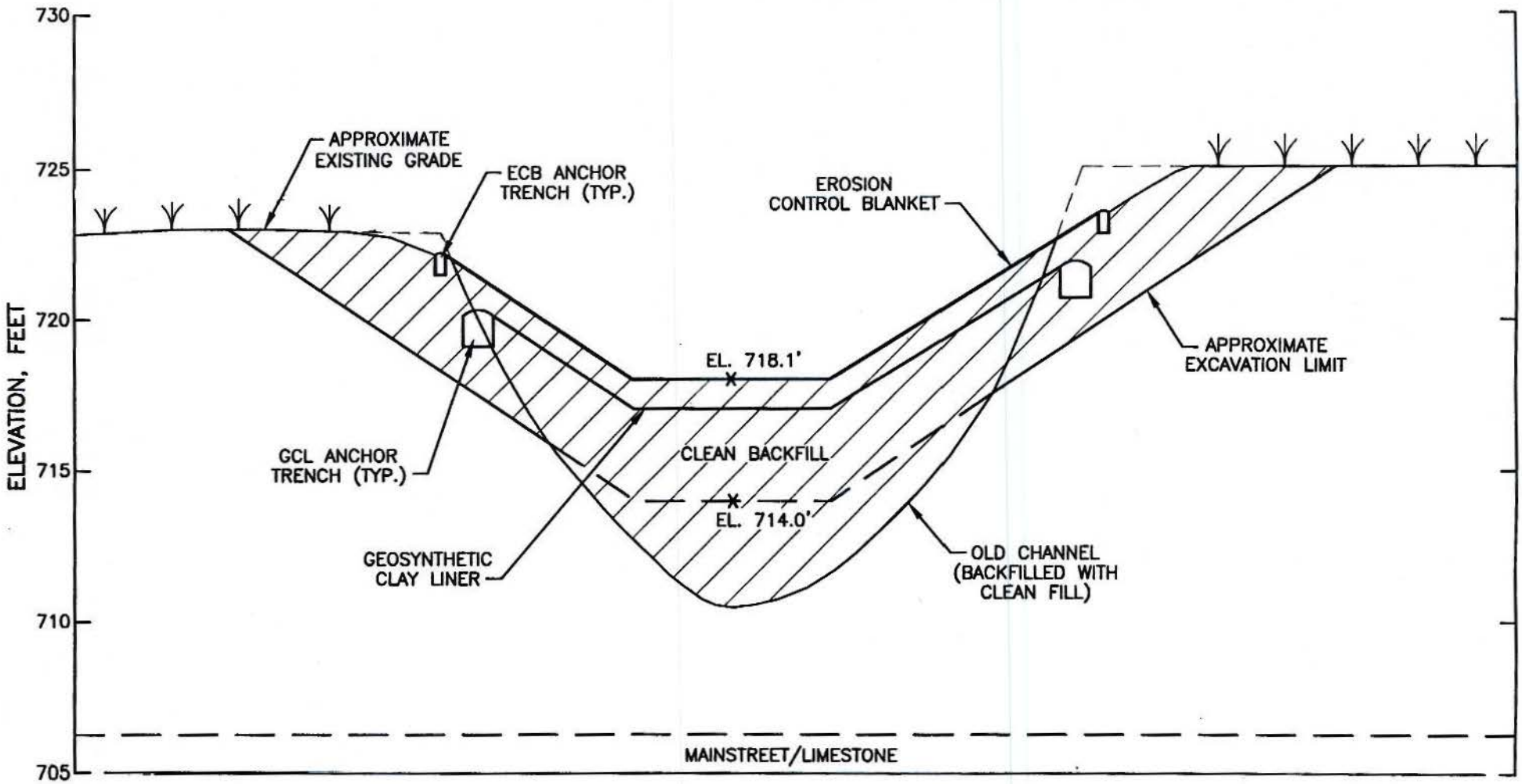
FIGURE 15

CROSS SECTION
STATION 3+00



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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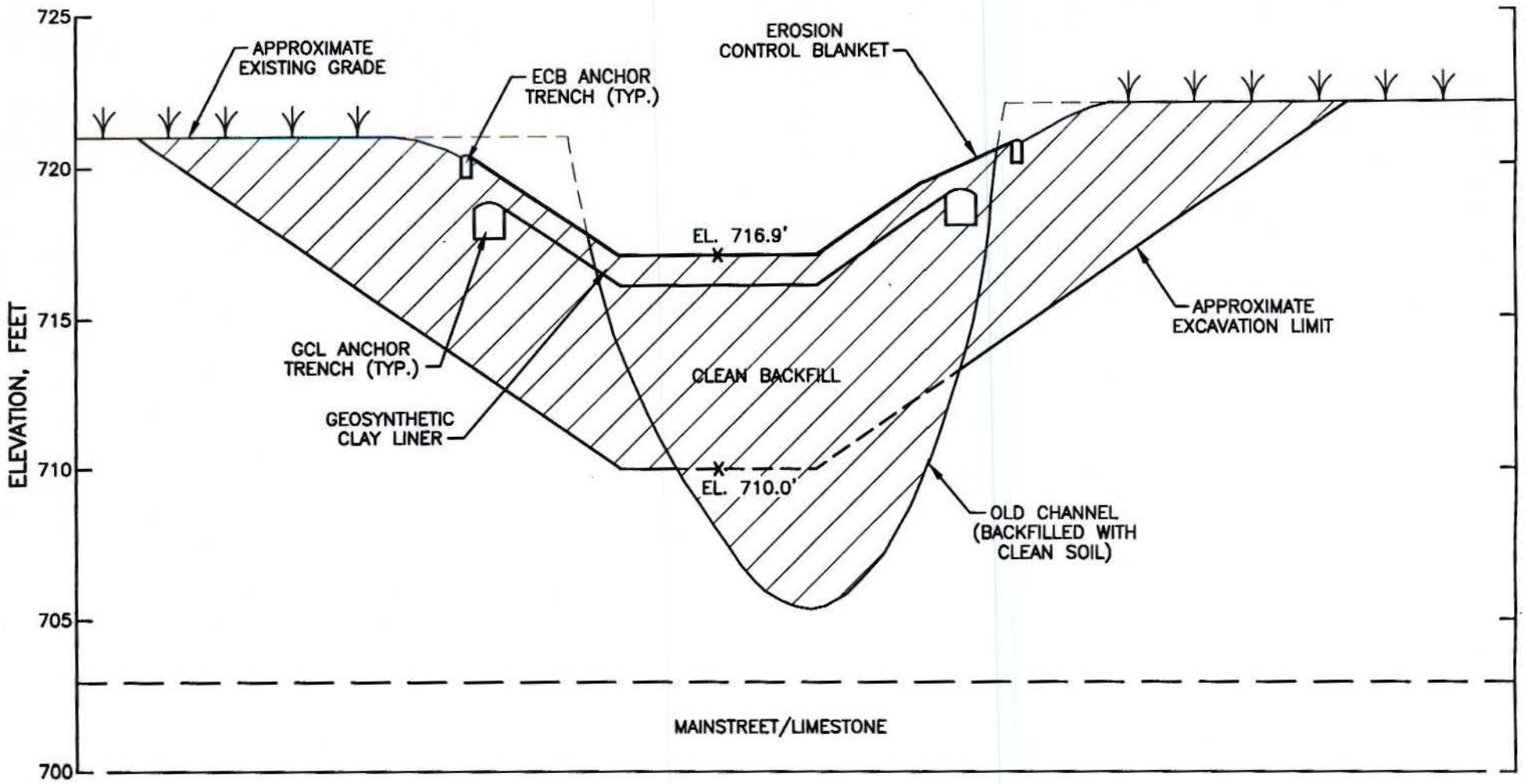
FIGURE 16

CROSS SECTION
STATION 3+50



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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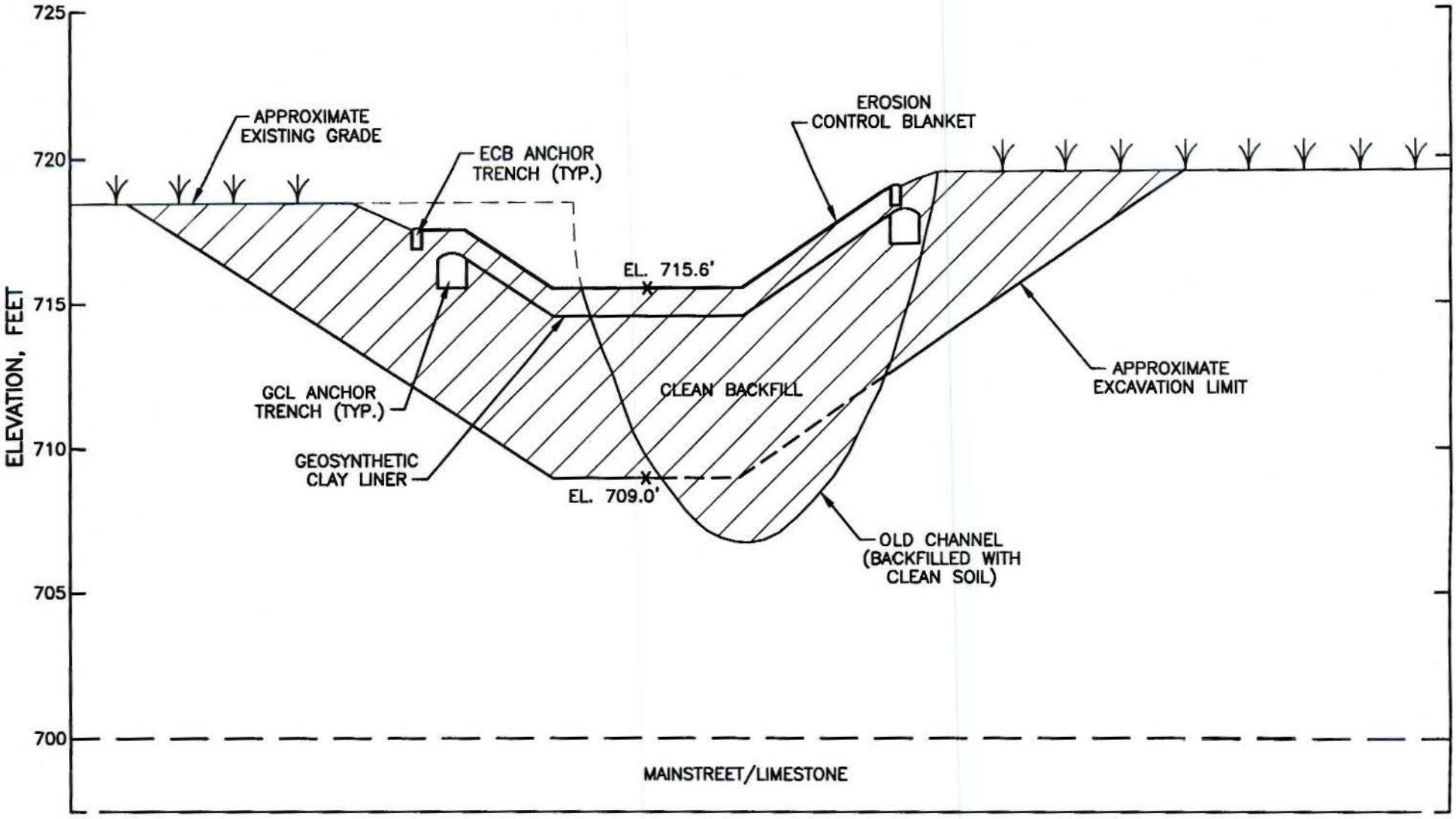
FIGURE 17

CROSS SECTION
STATION 4+00



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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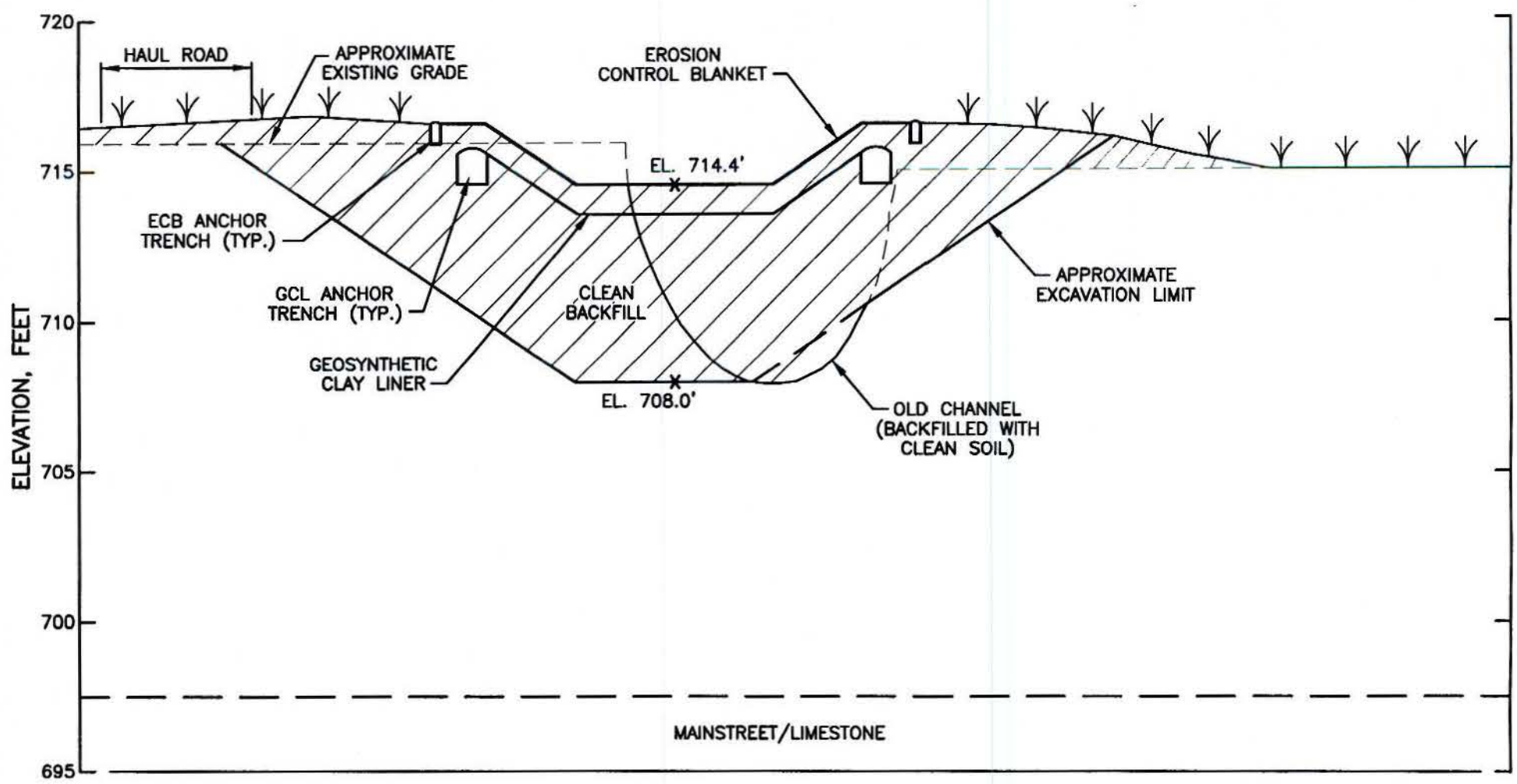
FIGURE 18

CROSS SECTION
STATION 4+50



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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FIGURE 19

CROSS SECTION
STATION 5+00

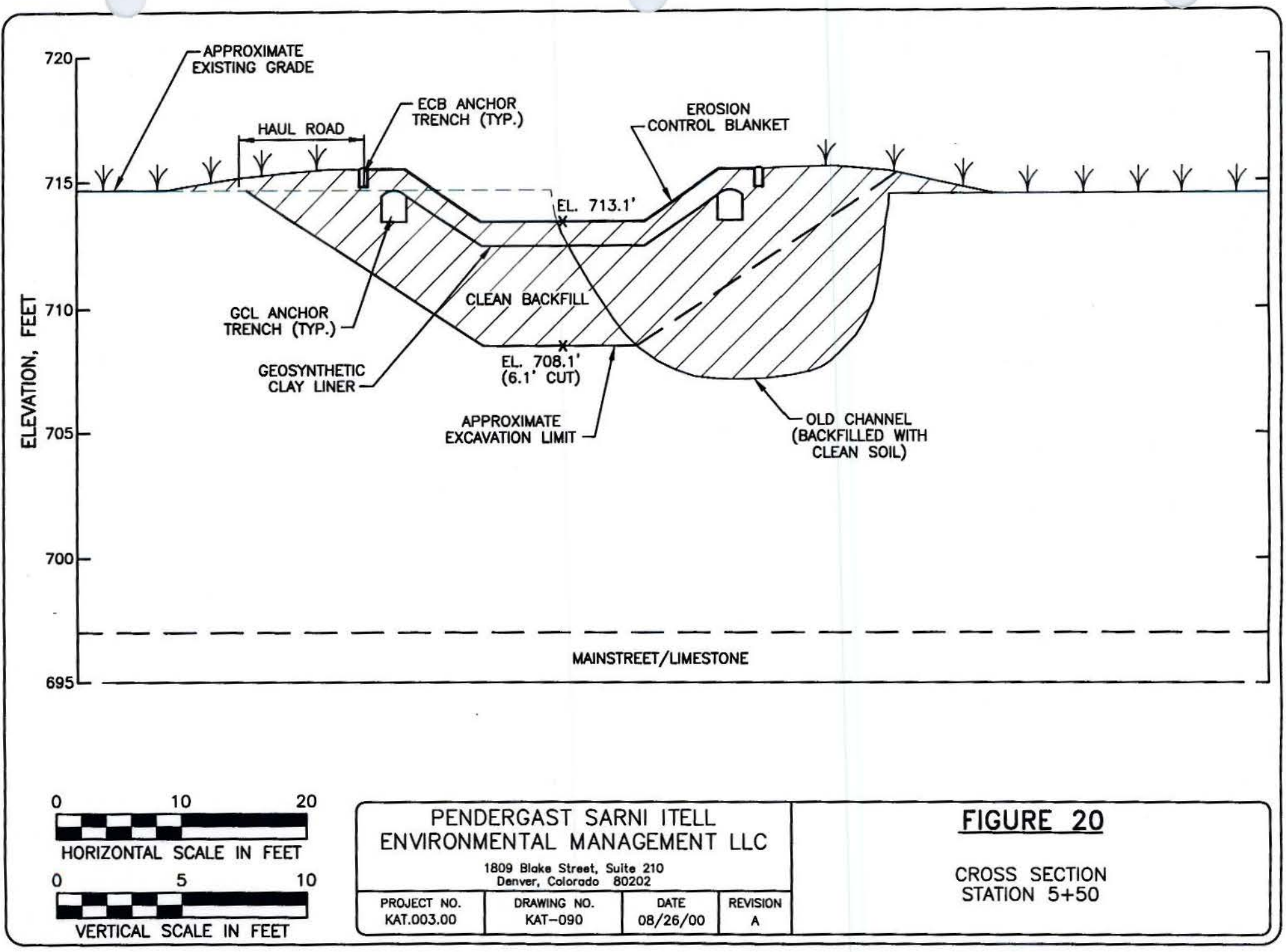

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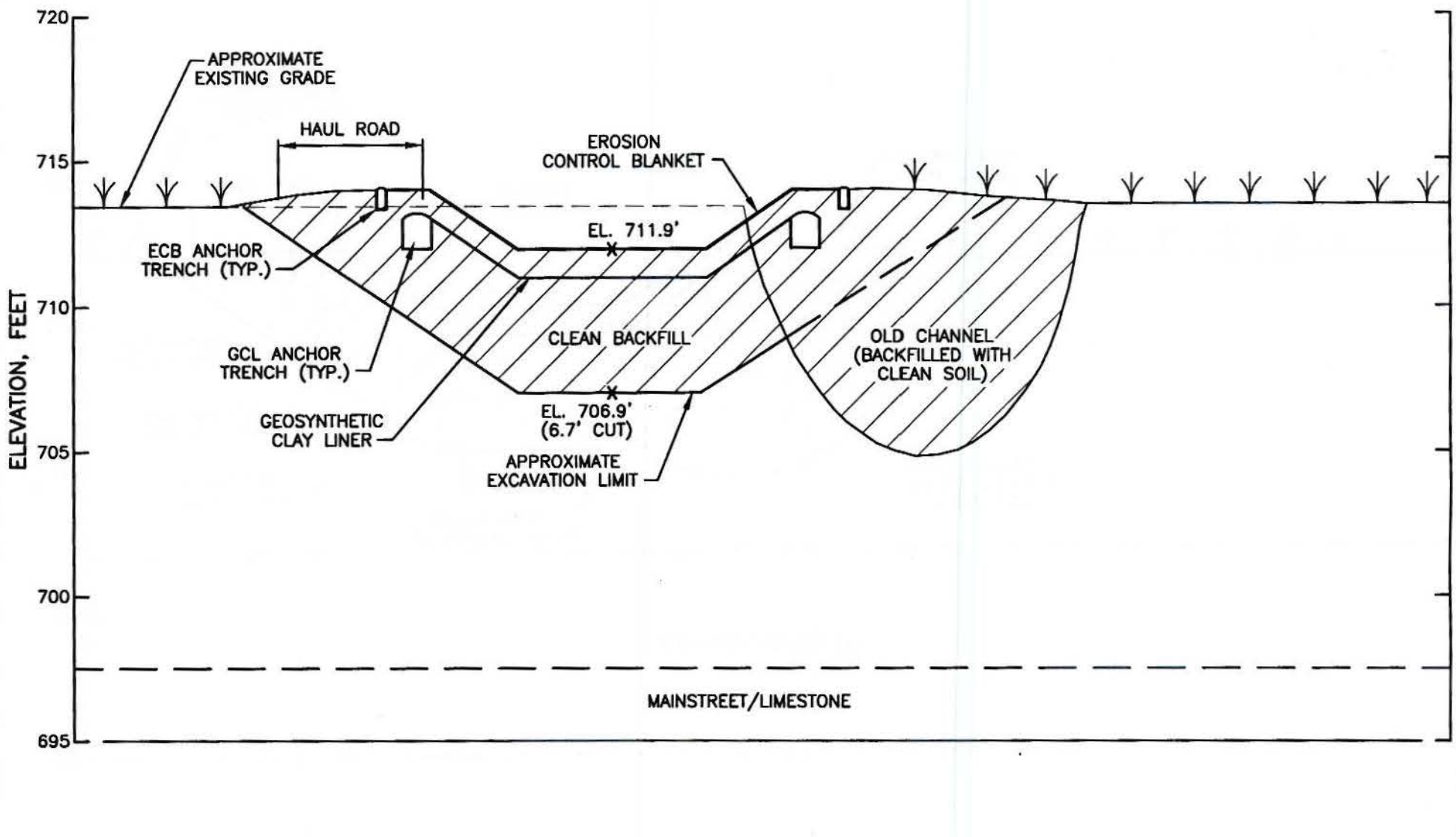
FIGURE 20

CROSS SECTION
STATION 5+50



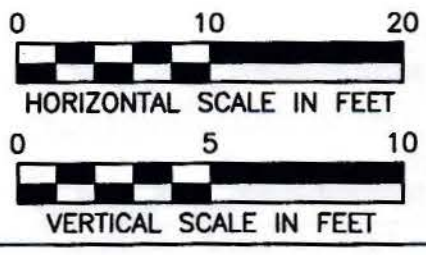


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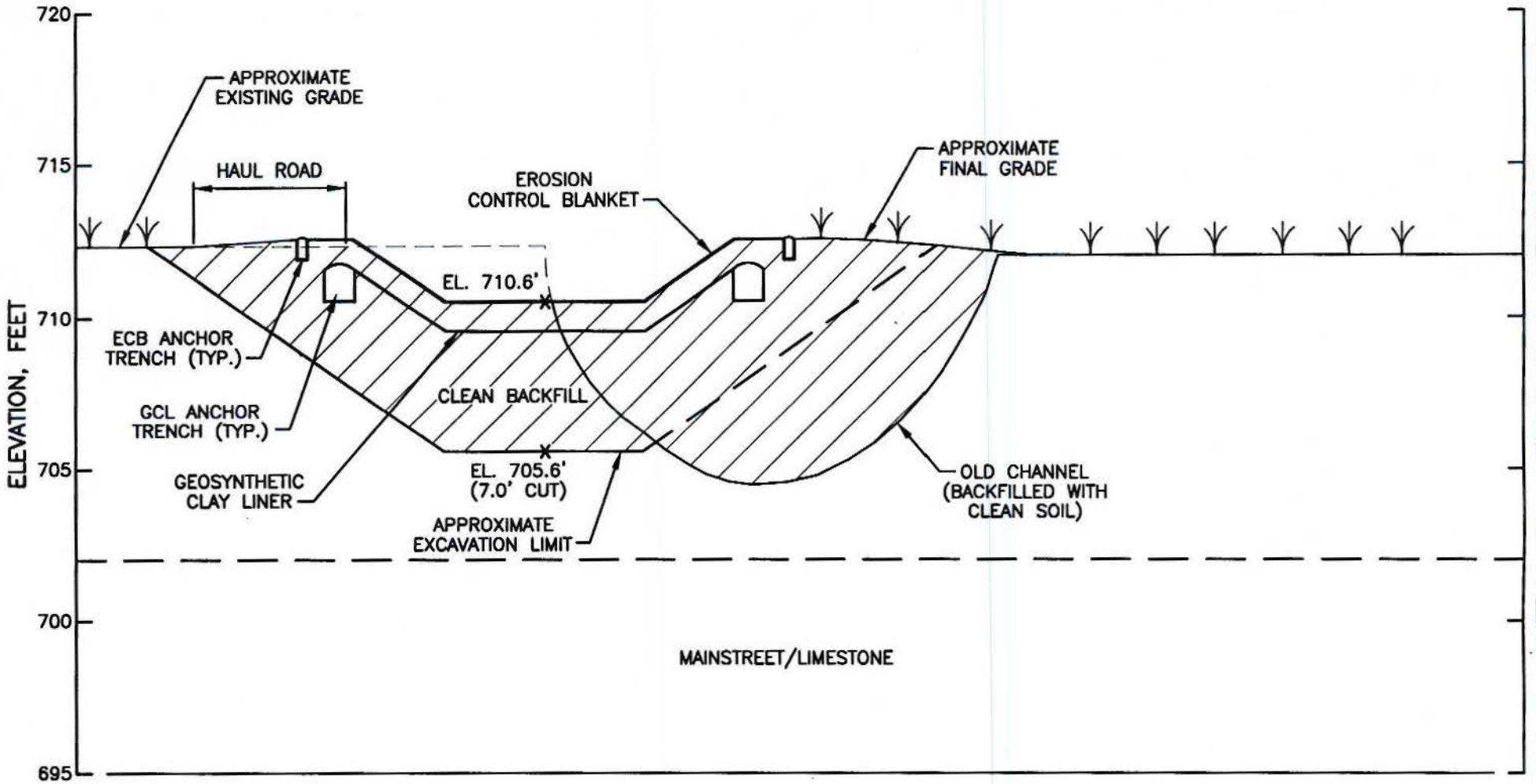
FIGURE 21

CROSS SECTION
STATION 6+00



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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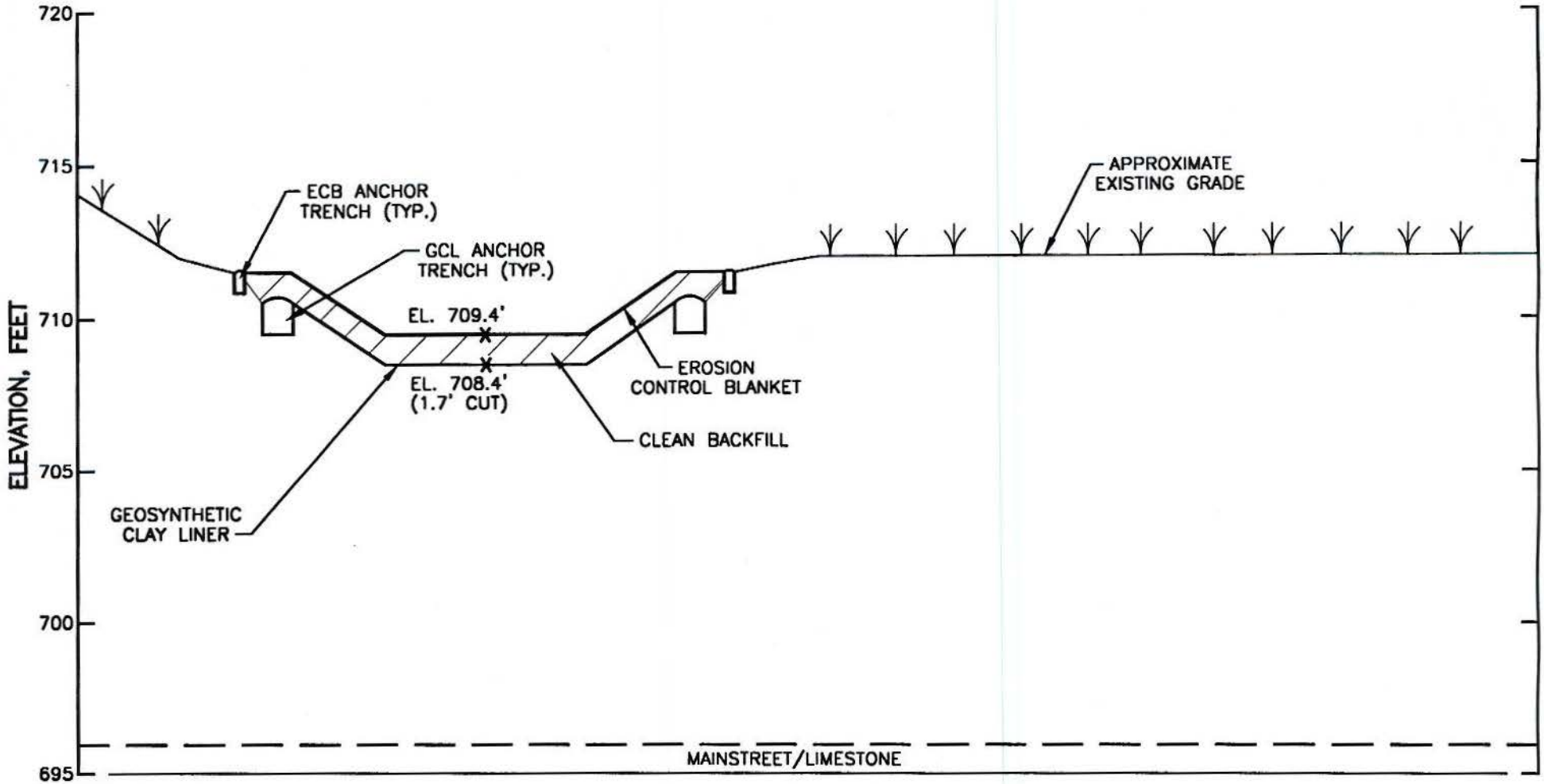
FIGURE 22

CROSS SECTION
STATION 6+50



0 10 20
HORIZONTAL SCALE IN FEET

0 5 10
VERTICAL SCALE IN FEET

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FIGURE 23

CROSS SECTION
STATION 7+00