

MINN. PROJ. NO. _____
 MINN. PROJ. NO. _____

MINNESOTA DEPARTMENT OF TRANSPORTATION

ANOKA COUNTY

CONSTRUCTION PLAN FOR ROCK RETAINING WALL REPAIR

LOCATED ON CSAH 6/CR 106 BETWEEN TH 47 AND PIERCE STREET (Geographic Description)
 LOCATED ON CSAH 4 BETWEEN TH 47 AND 5TH STREET (Geographic Description)

COUNTY PROJ. NO. 94-25-00 STATE AID PROJ. NO. _____

GOVERNING SPECIFICATIONS

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS AMENDED BY THE MAY 2, 1994 SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN.

SHEET NO.	INDEX	DESCRIPTION
1	TITLE SHEET	
2	ESTIMATED QUANTITIES, TABULATED QUANTITIES AND DETAILS	

THIS PLAN CONTAINS 2 SHEETS

PLAN SYMBOLS

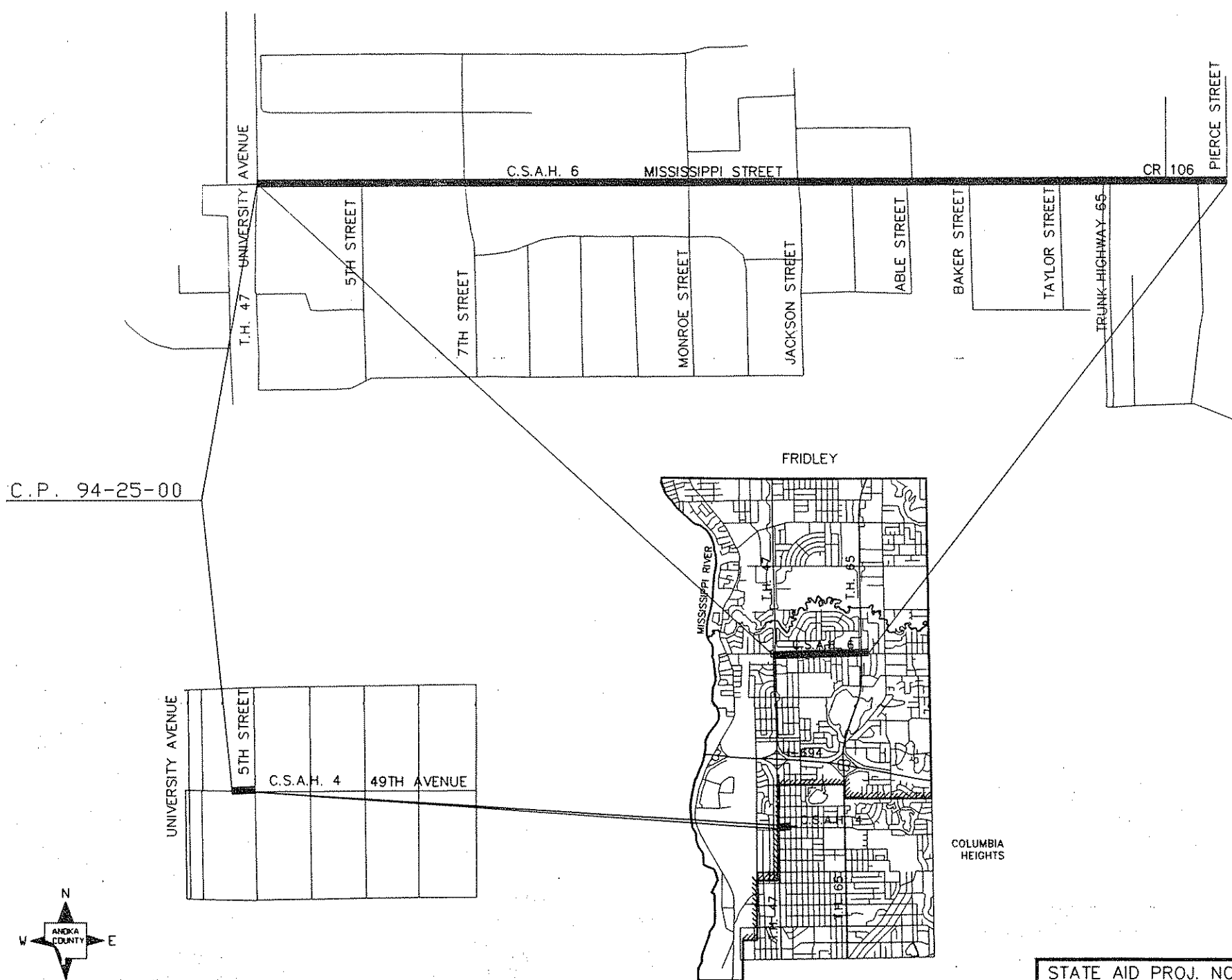
- COUNTY LINE
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- RIGHT OF WAY LINE
- SLOPE EASEMENT
- PRESENT RIGHT OF WAY
- PROPERTY LINE
- CORPORATE OR CITY LIMITS
- RETAINING WALL
- RAILROAD
- RAILROAD RIGHT OF WAY
- RIVER OR CREEK
- DRAINAGE DITCH
- CULVERT
- DROP INLET
- GAULD RAIL
- BARBED WIRE FENCE
- WOVEN WIRE FENCE
- CHAIN LINK FENCE
- WOOD FENCE
- STONE WALL OR FENCE
- HEDGE
- LOWLAND
- TIMBER
- ORCHARD
- BRUSH
- NURSERY
- CATTLE GAULD
- OVERPASS (Highway Over)
- UNDERPASS (Highway Under)
- BRIDGE
- BUILDING (Of Stone, Frame)
- T-FRAME - CONCRETE
- S-STONE 1-TILE
- B-BRICK ST-STUCCO
- RAILROAD CROSSING BELL
- RAILROAD CROSSING GATE
- MANHOLE
- CATCH BASIN
- FIRE HYDRANT
- CAST IRON MONUMENT
- IRON PIN
- GRAVEL PIT
- SAND PIT
- BORROW PIT
- ROCK QUARRY

UTILITY SYMBOLS

- POWER POLE LINE
- TELEPHONE OR TELEGRAPH POLE LINE
- JOINT TELEPHONE & POWER ON POWER POLES
- ON TELEPHONE POLES
- ANCHOR
- STEEL TOWER
- STREET LIGHT
- PEDESTAL (Cable Terminal)
- GAS MAIN
- WATERMAIN
- TELEPHONE CABLE IN CONDUIT
- ELECTRIC CABLE IN CONDUIT
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- BURIED TELEPHONE CABLE
- BURIED ELECTRIC CABLE
- AERIAL TELEPHONE CABLE
- SEWER (Sanitary or Storm)
- SEWER MANHOLE

SCALES

- PLAN
- PROFILE HORIZONTAL
- VERTICAL
- X-SECTIONS HORIZONTAL
- VERTICAL
- INDEX MAP



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 3/21/95 REG. NO. 20255 ENGR. *Ralph St. Tonde* DESIGN ENGINEER
 DESIGN SQUAD. J. HICKS-TRICK

Recommended for Approval *Michael R. Kelly* 3/21/95
 Recommended for Approval *James J. ...* 3/21/95
 Recommended for Approval *...* 3/21/95
 Approved 3/22/95 *...* ANOKA COUNTY ENGINEER

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____
 DIVISION ADMINISTRATOR DATE

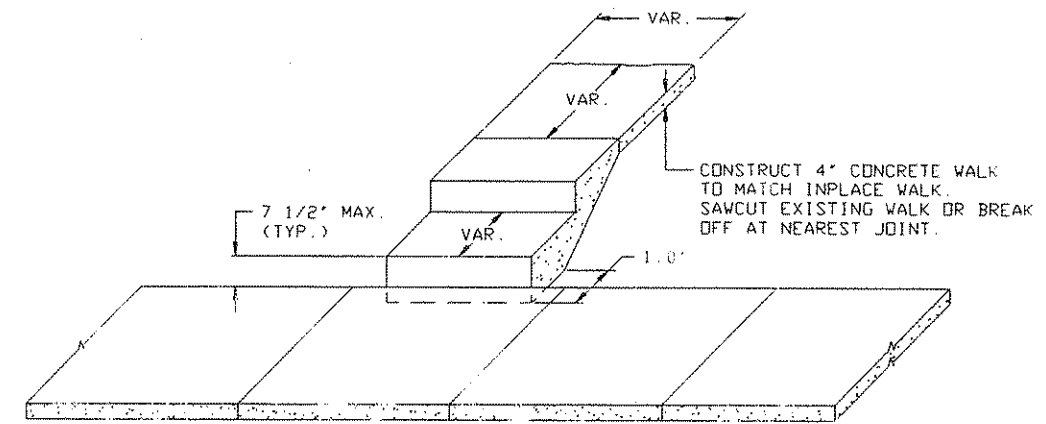
STATE AID PROJ. NO. _____
 COUNTY PROJ. NO. 94-25-00 SHEET NO. 1 OF 2 SHEETS

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL QUANTITIES	
			ESTIMATED	FINAL
2021.501	MOBILIZATION	LUMP SUM	1.00	
2101.502	CLEARING	TREE	1	
2101.507	GRUBBING	TREE	1	
2104.501	REMOVE STONE RETAINING WALL	LIN FT	1177	
2104.509	REMOVE STONE STEPS	EACH	2	
2104.521	SALVAGE FENCE	LIN FT	159	
① 2105.525	TOPSOIL BORROW (LV)	CU YD	73	
2411.507	CONCRETE STAIRWAY	EACH	3	
0411.603	CONSTRUCT STONE RETAINING WALL	SQ FT	2518	
0504.602	ADJUST CURB STOP	EACH	2	
0557.603	INSTALL FENCE	LIN FT	159	
2575.505	SODDING TYPE LAWN	SQ YD	654	
2575.532	COMMERCIAL FERTILIZER ANALYSIS 10-10-10	POUND	68	

① FOR AREAS REQUIRING TURF ESTABLISHMENT AND AS REQUIRED FOR ADDITIONAL BACKFILL MATERIAL IN UPPER 1.0'.

CONCRETE STEP DETAIL

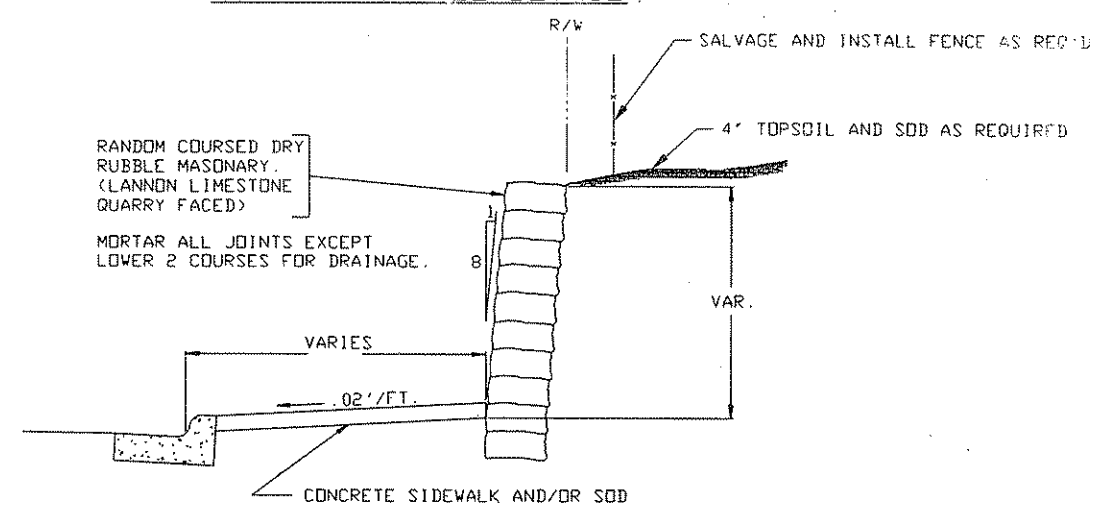


NOTE: STEP CONSTRUCTION TO MATCH SLOPE OF EXIS. ING YARD. NUMBER OF STEPS VARIABLE.

STONE RETAINING WALL

LOCATION NO.	NOTE	LOCATION	LENGTH (FT)	MAX. HEIGHT (FT)	TOTAL AREA (SQ FT)	REMARKS
1	CSAH 6	4900 5TH STREET	155	3.00	355	SALVAGE & INSTALL FENCE
2	CSAH 6	431 MISSISSIPPI STREET	85	1.33	113	
3	CSAH 6	465-495 MISSISSIPPI STREET	168	1.33	224	WATER VALVES TO REMAIN IN WALL
4	CSAH 6	931 MISSISSIPPI STREET	214	3.00	428	
5	CSAH 6	932 MISSISSIPPI STREET	58	1.50	73	
6	CSAH 6	1015-1027 MISSISSIPPI STREET	123	2.00	237	
7	CSAH 6	900 MISSISSIPPI STREET	105	5.10	467	
8	CSAH 6	6489 TAYLOR STREET	174	4.10	526	SALVAGE & INSTALL FENCE
9	CSAH 6	6500 PIERCE STREET	95	1.50	95	
TOTAL			1177		2518	

LANNON STONE RETAINING WALL DETAIL



SALVAGE & INSTALL FENCE

LOCATION NO.	LOCATION	TYPE	SALVAGE (LIN FT)	INSTALL (LIN FT)
1	@ 5TH ST.	METAL	113	113
8	@ TAYLOR	WOOD	46	46
TOTAL			159	159

REVISIONS
DATE BY

ESTIMATED QUANTITIES
TABULATED QUANTITIES
DETAILS