

PLANS SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT OF WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER

SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
CATCH BASIN
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F FRAME C CONCRETE
S STONE T TILE
B BRICK ST STUCCO
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH
POLE LINE
JOINT TELEPHONE AND POWER
OR POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL TELEPHONE CABLE
TERMINAL
GAS MAIN
WATER MAIN

CONDUIT
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



NOTE: SECTION NUMBERS REF.
FROM THE S&W.

PIT DATA

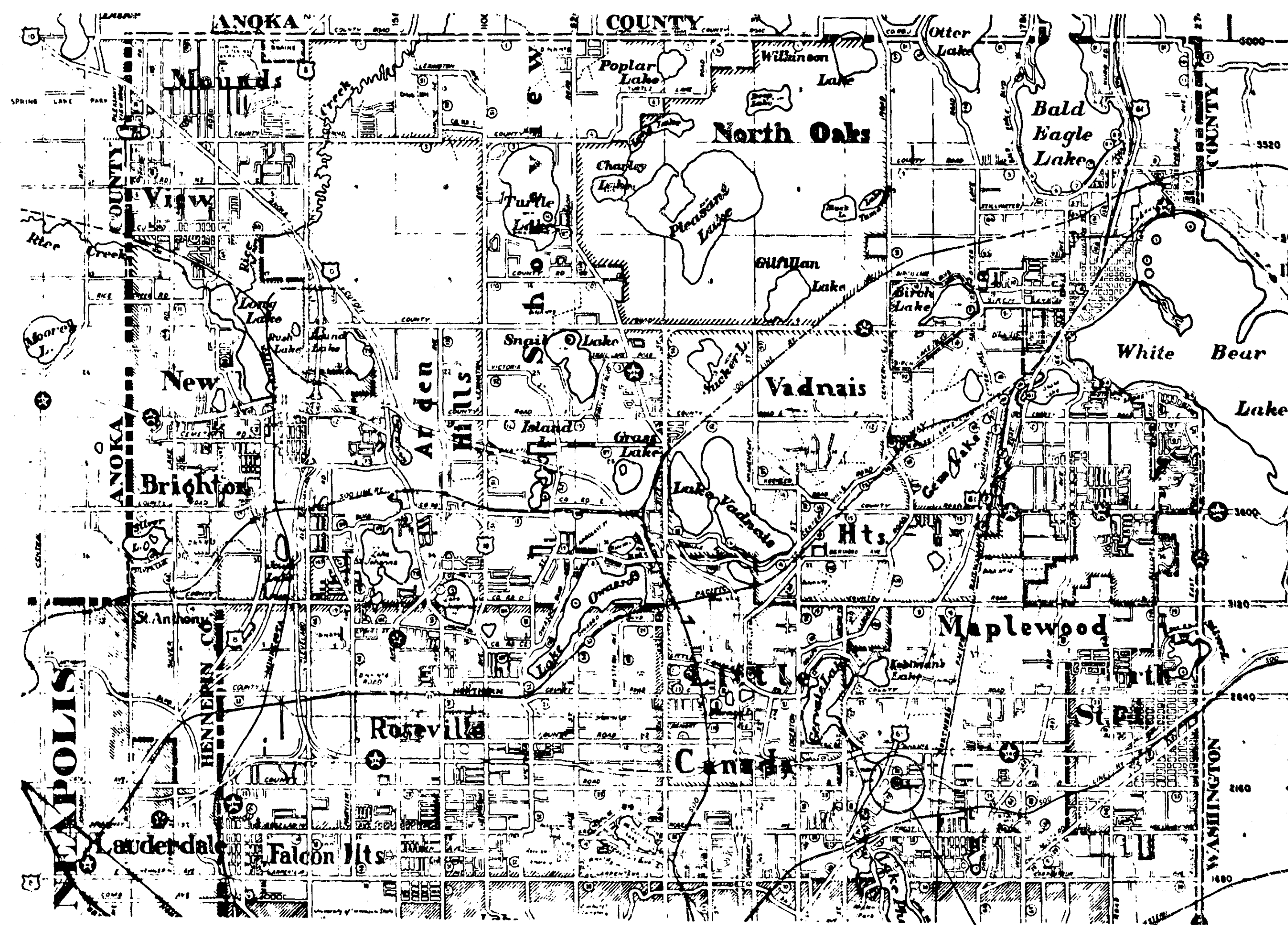
PIT NO. Located in
Dead Haul
PIT NO. Located in
Dead Haul

THE "MINNESOTA HIGHWAY DEPARTMENT STANDARD
SPECIFICATIONS FOR HIGHWAY CONSTRUCTION"
DATED JANUARY 1, 1972 SHALL GOVERN.

OFFICE OF COUNTY ENGINEER RAMSEY COUNTY

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS SURFACING,
SANITARY SEWER, & WATER SERVICE

at KELLER GOLF COURSE



CITY OF ST. PAUL

KELLER GOLF COURSE

INDEX

SHEET NO. 1
2
3
4
TITLE
ESTIMATED QUANTITIES, SEWER & WATER PROFILE
PLAN
CROSS SECTION

RECOMMENDED FOR APPROVAL COUNTY ENGINEER DATE

APPROVED CHAIRMAN OF THE RAMSEY COUNTY BOARD DATE

APPROVED DATE

APPROVED DATE

MINNESOTA STATE HIGHWAY DEPARTMENT

RECOMMENDED FOR APPROVAL DATE

RECOMMENDED FOR APPROVAL DISTRICT STATE AID ENGINEER DATE

APPROVAL STATE AID ENGINEER DATE

I hereby certify that this plan, specification, or
report 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 4/17/72 Res. No. 6334

DRAWN BY R. Weber E.T.
DATE: 11-17-72

MICROFILMED
RAMSEY CO. ENL.

PARKING LOT AT KELLER GOLF COURSE

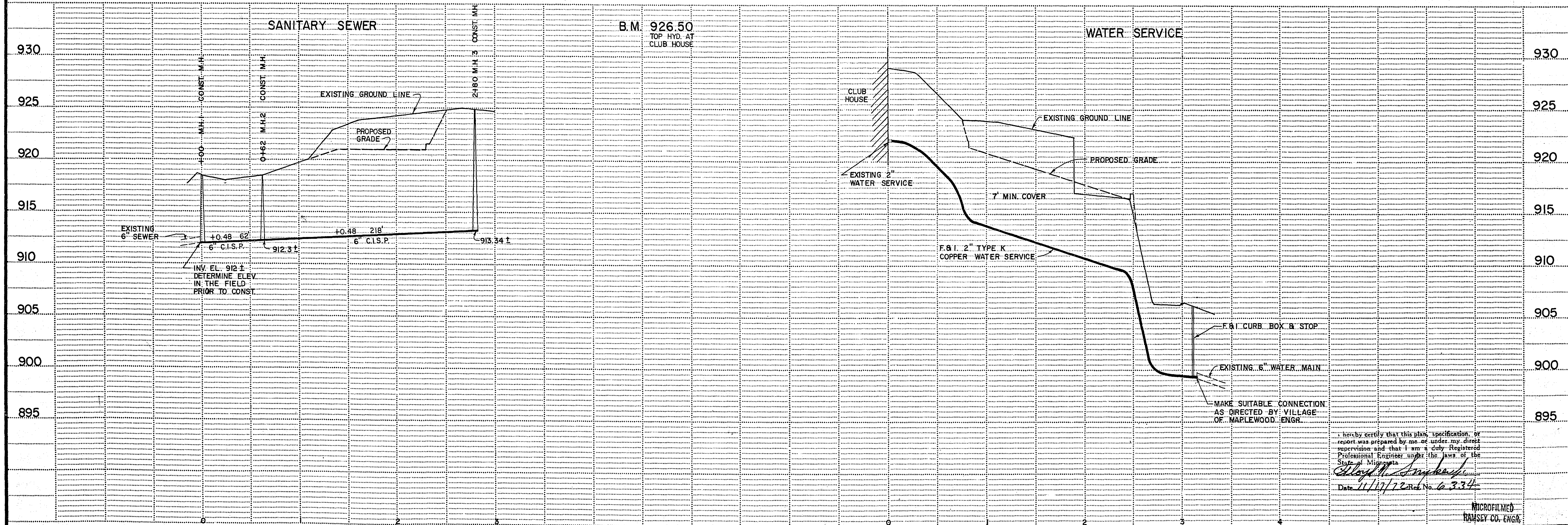
Sheet No. 1 of 4 Sheets

21-101

STANDARD DETAIL PLATES		
	0002A	SPECIFICATION REFERENCE TO STANDARD PLATES
	4000G	MANHOLE OR CATCH BASIN
	4005I	MANHOLE OR CATCH BASIN
	4011C	PRECAST CONCRETE BASE
①	4101B	RING CASTING FOR MANHOLE OR CATCH BASIN
②	4110B	COVER CASTING FOR MANHOLE
	4180F	MANHOLE STEP CASTING
	7065C	BITUMINOUS CURB

- ① USE RING CASTING NO. 700-7
② USE COVER CASTING NO. 712

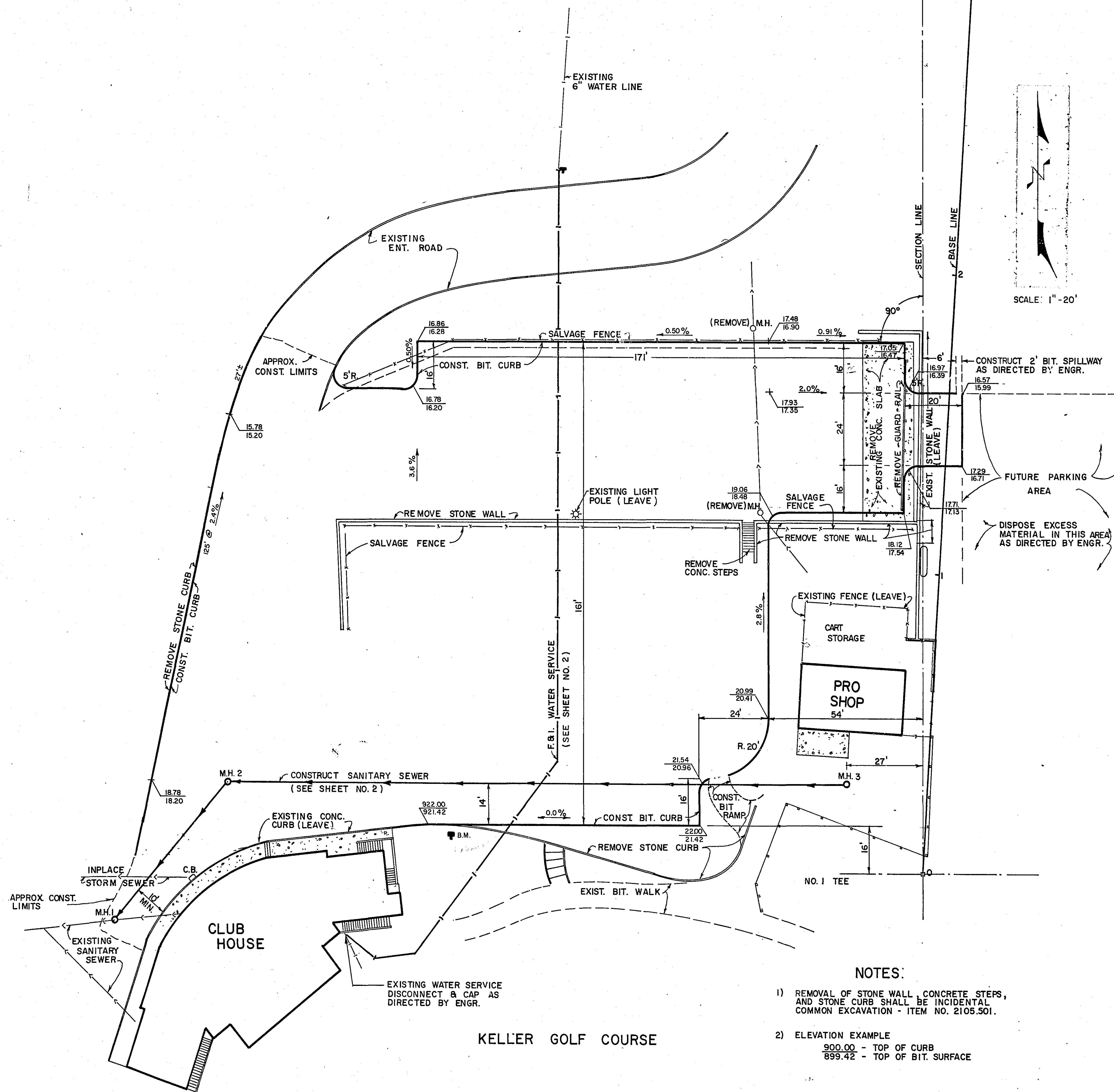
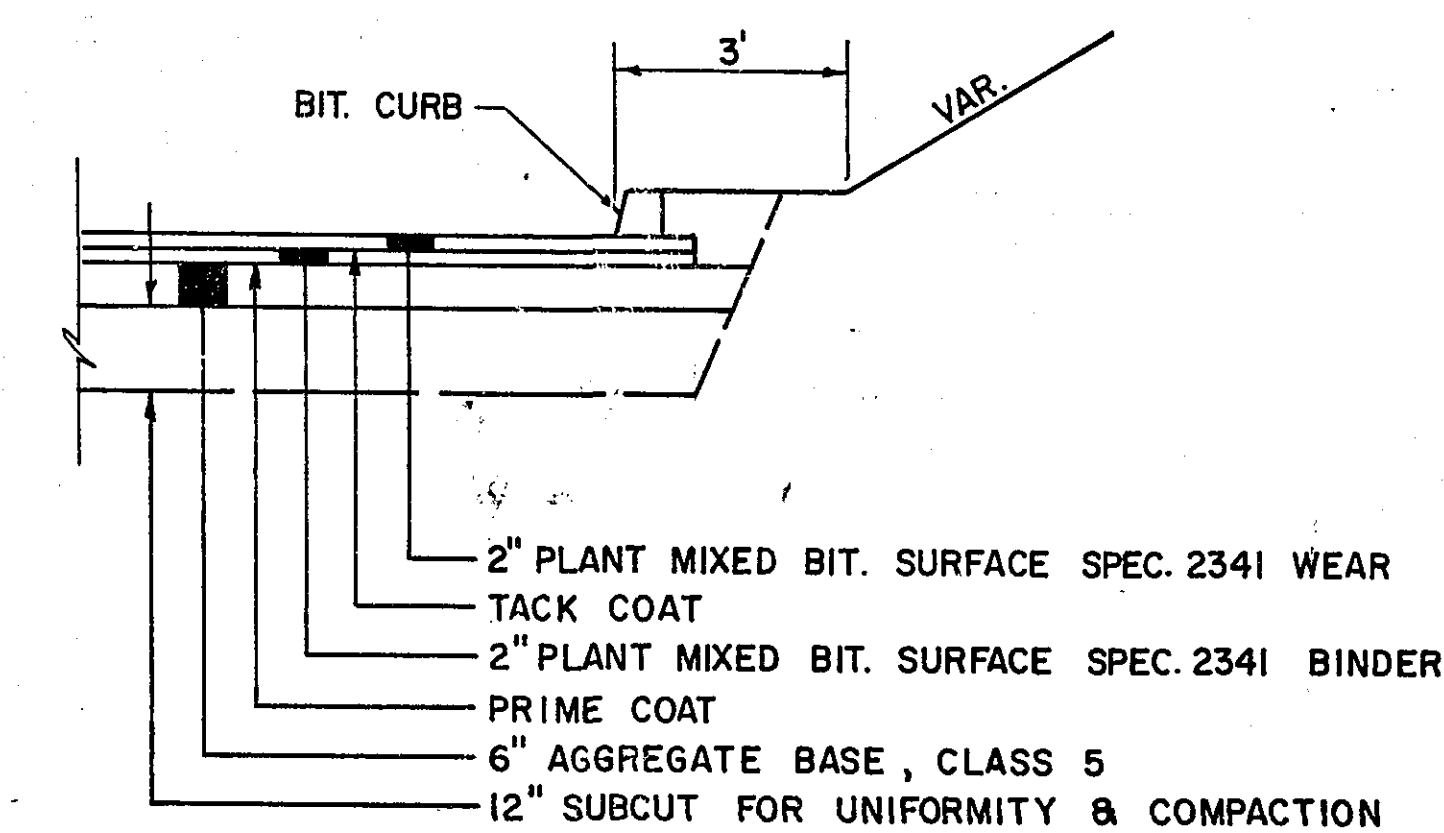
STATEMENT OF ESTIMATED QUANTITIES					
ITEM NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES	TOTAL FINAL QUANTITIES	
2104.502	REMOVE GUARD RAIL	L.F.	50	51.25	
2104.502	REMOVE PAVEMENT	S.Y.	120	77.16	
2104.509	REMOVE MANHOLE	EACH	2	2	
2104.521	SALVAGE CHAIN LINK FENCE	L.F.	420	413.1	
2105.501	COMMON EXCAVATION	C.Y.	4756	4756	
2211.501	AGGREGATE BASE, CLASS 5	TON	1310	1431.28	
2341.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	53	62.76	
2341.508	WEARING COURSE MIXTURE	TON	456	502	
2341.510	BINDER COURSE MIXTURE	TON	456	544	
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	208	48.28	
2358.501	BITUMINOUS MATERIAL FOR PRIME COAT	GAL.	1243	861.30	
2535.501	BITUMINOUS CURB	L.F.	760	769	
BID ALTERNATE					
2506.508	CONSTRUCT MANHOLE DESIGN A OR F	EACH	3	4	
0503.634	6" CAST IRON SOIL PIPE	L.F.	280	282.90	
0504.612	2" COPPER WATER SERVICE CONNECTION	L.F.	325	294	
0504.630	2" CORPORATION COCK	CONN.	1	1	
0504.634	2" CURB BOX AND STOP	ASSEMBLY	1	1	
	CHANGE ORDER NO. 1	LUMP SUM	1	1	
	CHANGE ORDER NO. 2	LUMP SUM	1	1	



I hereby certify that this plan, specification, or report 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.
Raymond J. Ramsey
Date 11/17/72 Ref. No. 6334

MICROFILMED
RAMSEY CO. ENGR.

TYPICAL SECTION
for
PARKING LOT



SCALE: 1" = 20'

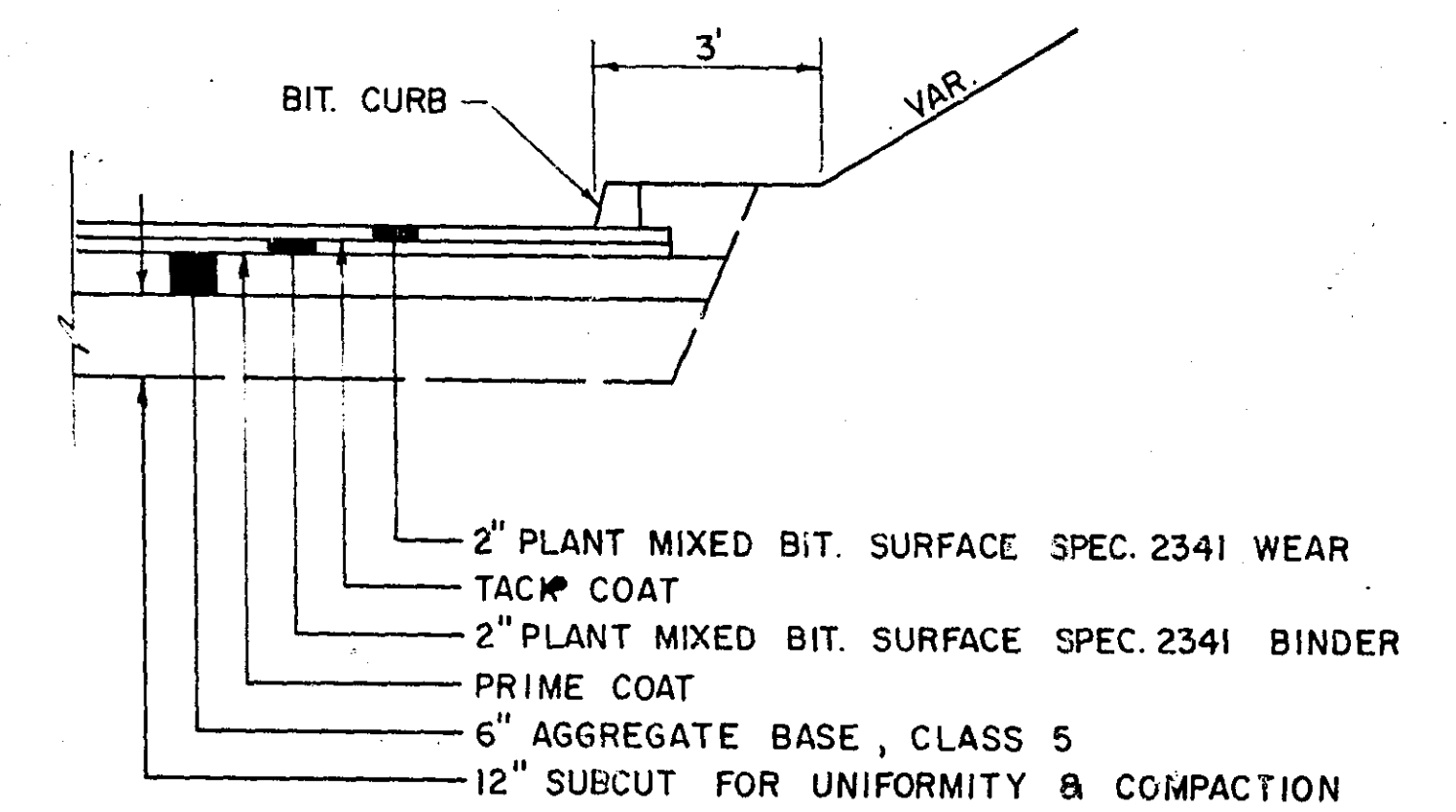
NOTES:

- 1) REMOVAL OF STONE WALL, CONCRETE STEPS, AND STONE CURB SHALL BE INCIDENTAL COMMON EXCAVATION - ITEM NO. 2105.501.
- 2) ELEVATION EXAMPLE
900.00 - TOP OF CURB
899.42 - TOP OF BIT. SURFACE

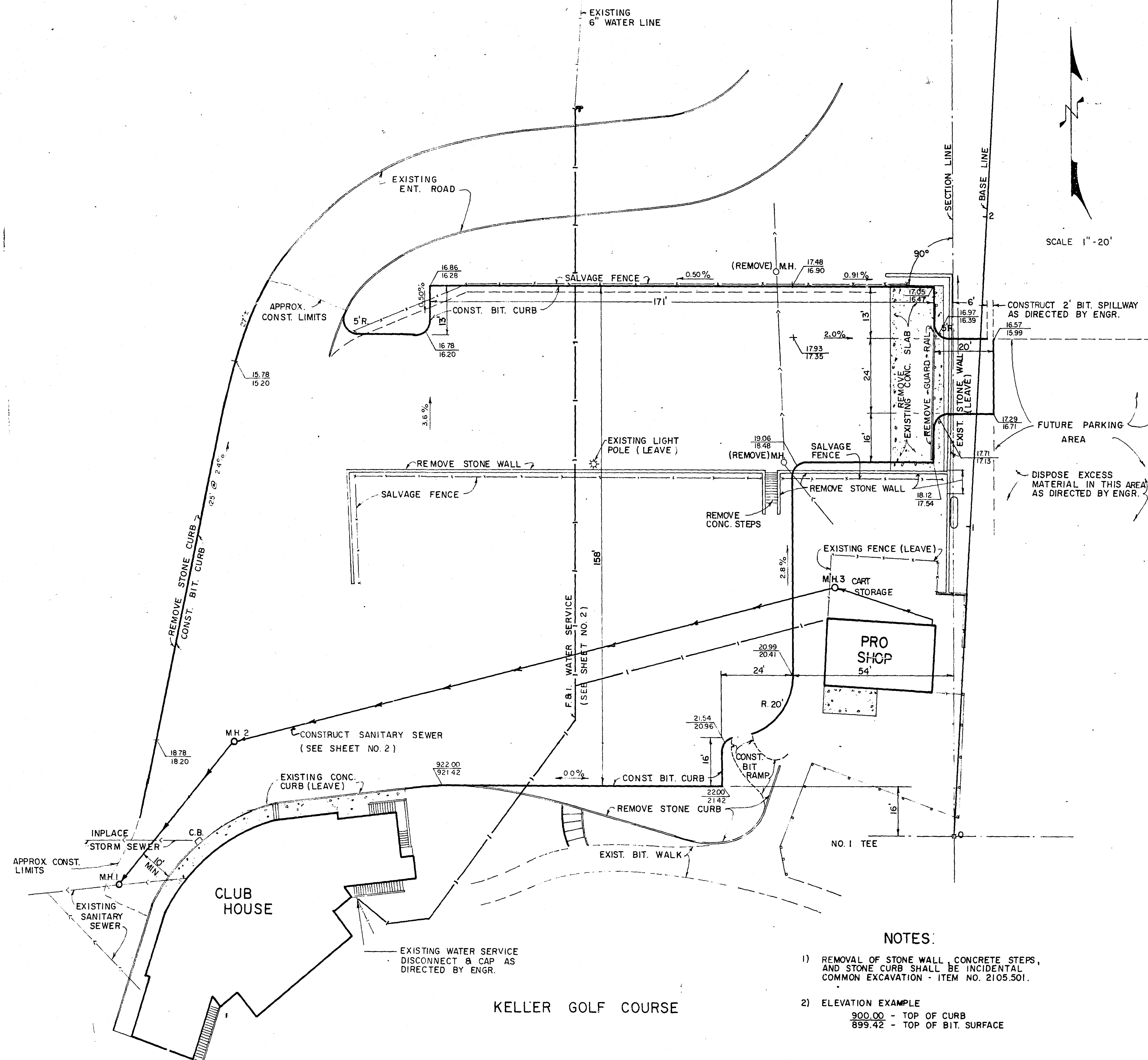
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
Joseph A. Smyke
Date 11/17/72 Reg. No. 6334

MICROFILMED
RAMSEY CO. ENGR.

TYPICAL SECTION
for
PARKING LOT



SCALE 1"=20'



NOTES:

- 1) REMOVAL OF STONE WALL, CONCRETE STEPS, AND STONE CURB SHALL BE INCIDENTAL COMMON EXCAVATION - ITEM NO. 2105.501.
- 2) ELEVATION EXAMPLE
900.00 - TOP OF CURB
899.42 - TOP OF BIT. SURFACE

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS

DONE BY: R. WEBER

DATE: 4-17-74

Attyl H. Snyder
Date: 4/17/74
6334

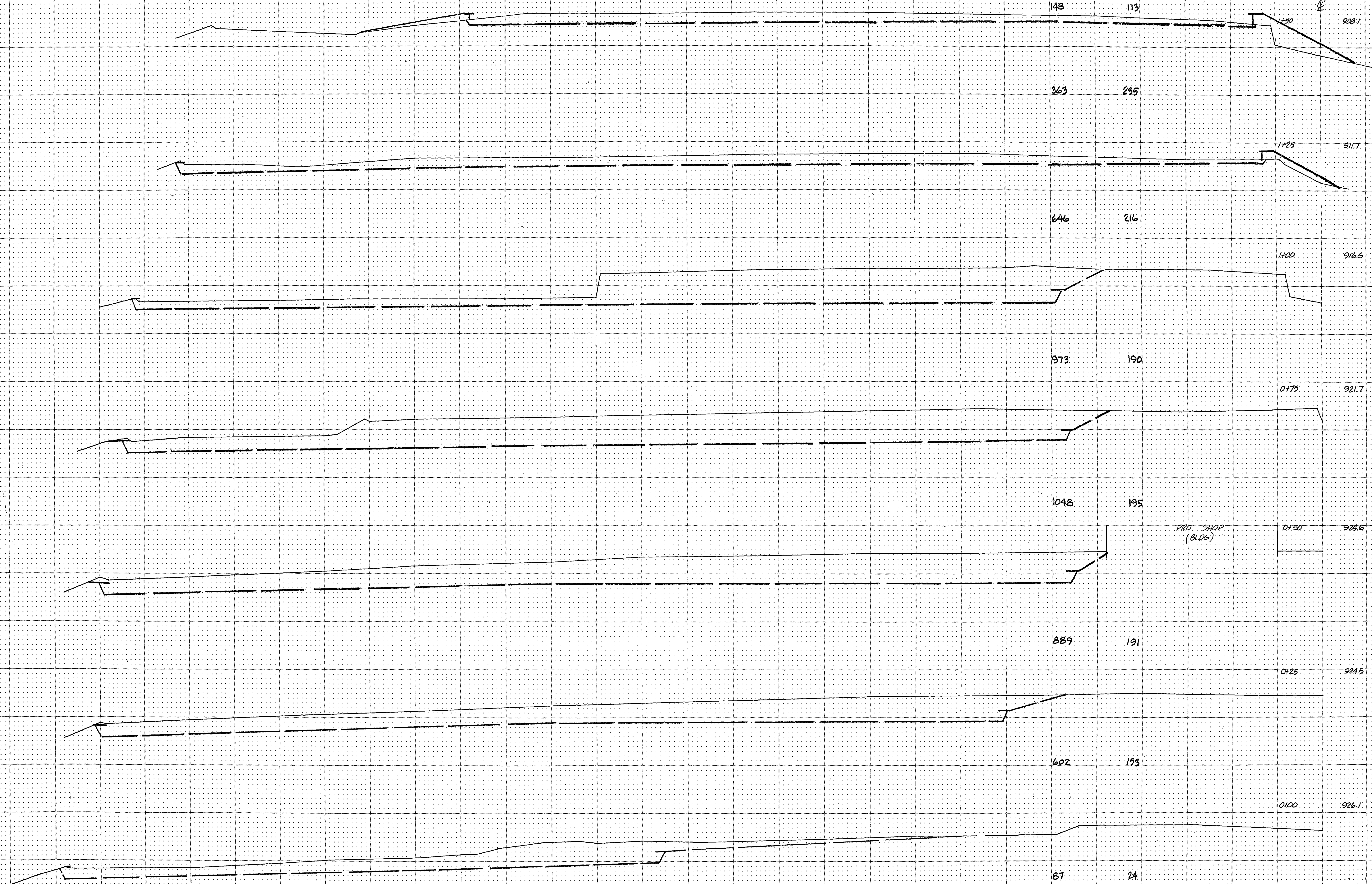
MICROFILMED
RAMSEY CO. ENGR.

FUNCTIONAL CROSS SECTION - OPEN DOTTED
K. A. ROGERS CO., MINNEAPOLIS, ST. PAUL

EXCAVATION EMBANKMENT
SUB-TOTALS CU. YDS. CU. YDS. SUB-TOTALS

Fed. Proj. No.

BASE LINE



PRO SHOP
(BLDG.)

I hereby certify that this plan, specification, or report 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: 11/17/72 Reg. No. 6334

TOTALS 4756 1317

x 130%
1712 = EXCESS 3044

MICROFILMED
RAMSEY CO. ENGR.

PARKING LOT AT KELLER GOLF COURSE

Sheet No. 4 of 4 Sheets

21-101