

PLAN SYMBOLS

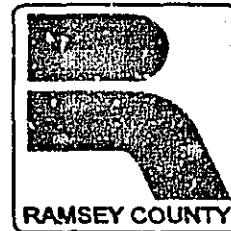
STATE LINE	
COUNTY LINE	
TOWNSHIP OR RANGE LINE	
SECTION LINE	
QUARTER LINE	
1/16TH LINE	
RIGHT-OF-WAY LINE	
SLOPE EASEMENT	
PRESENT RIGHT-OF-WAY	
CONTROL OF ACCESS LINE	
PROPERTY LINES (EXCEPT LAND LINES)	
VACATED PLATTED PROPERTY	
CORPORATE OR CITY LIMITS	
TRUNK HIGHWAY CENTER LINE	
RETAINING WALL	
RAILROAD	
RAILROAD RIGHT-OF-WAY	
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	
HURSEY	
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 ROD OR PIPE	
MONUMENT (STONE, CONCRETE, OR METAL)	
WOODEN HUB	
GRAVEL PIT	
SAND PIT	
BORROW PIT	
ROCK QUARRY	

UTILITY SYMBOLS

POWER POLE LINE	
TELEPHONE OR TELEGRAPH POLE LINE	
JOINT TELEPHONE AND POWER ON POWER POLE	
ON TELEPHONE POLES	
ANCHOR	
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	

SCALES

INDEX MAP	0 1000 2000
PLAN	0 50 100
PROFILE HORIZ.	0 50 100
VERT.	0 5 10
CROSS SECTION	0 10 20



RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLAN FOR RIGHT OF WAY PLAN

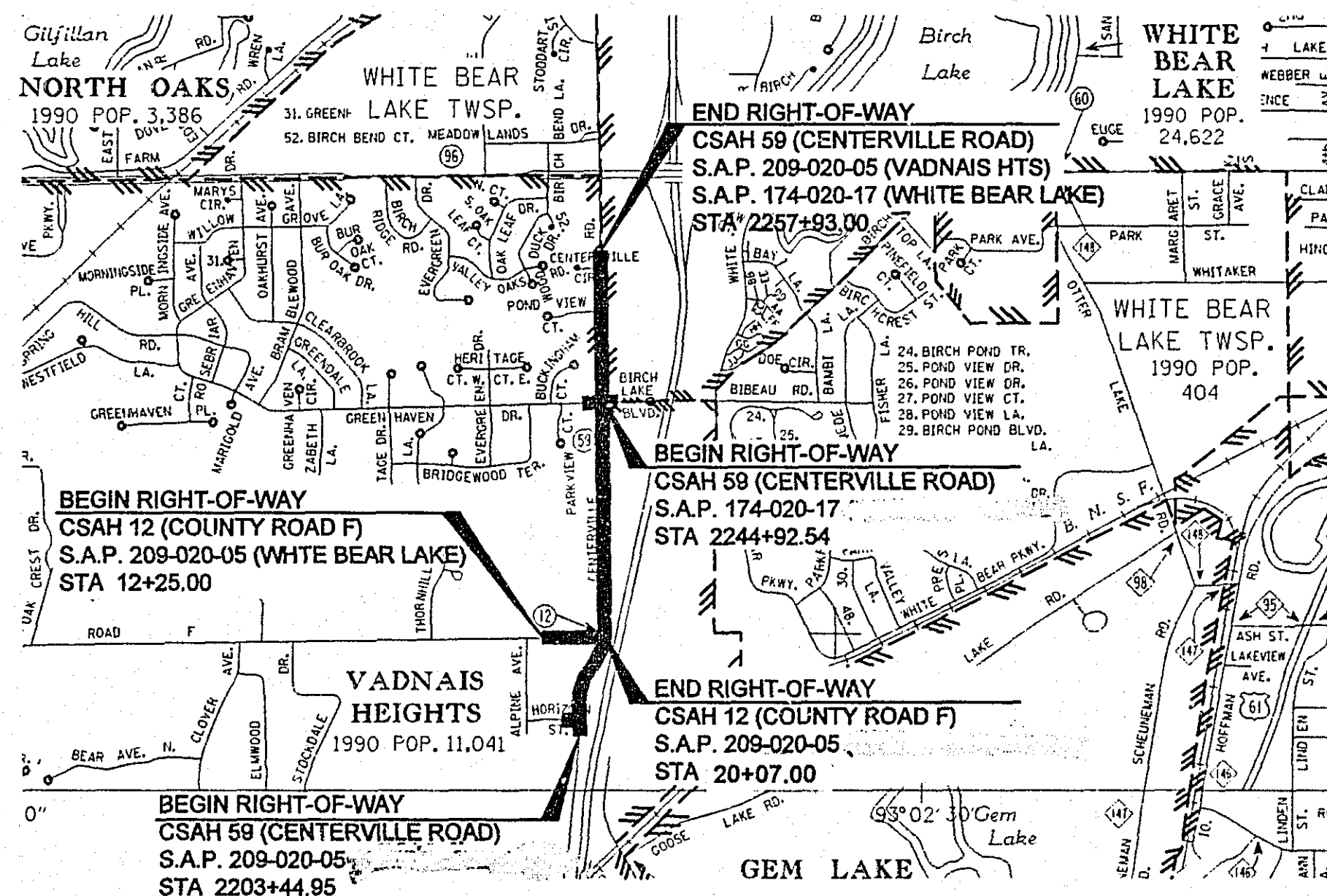
LOCATED ON CSAH 59 (CENTERVILLE ROAD) FROM 500 FT S. OF HORIZON STREET TO 242.4 FT N. OF PONDVIEW COURT
LOCATED ON CSAH 12 (COUNTY RD F) FROM 775 FT W. OF CSAH 59 (CENTERVILLE ROAD) TO CSAH 59 (CENTERVILLE ROAD)

CSAH 59 (CENTERVILLE ROAD)

S.A.P. 62-659-13	
GROSS LENGTH	5448.05 ft 1.032 miles
BRIDGES-LENGTH	0.00 ft 0.000 miles
EXCEPTIONS-LENGTH	0.00 ft 0.000 miles
NET LENGTH	5448.05 ft 1.032 miles

CSAH 12 (COUNTY ROAD F)

S.A.P. 62-612-15	
GROSS LENGTH	782.60 ft 0.148 miles
BRIDGES-LENGTH	0.00 ft 0.000 miles
EXCEPTIONS-LENGTH	0.00 ft 0.000 miles
NET LENGTH	782.60 ft 0.148 miles



DESIGN DESIGNATION

CSAH 59 (CENTERVILLE ROAD)

P VALUE	= 40
ADT (Current Year) 2001	= 8,800
ADT (Future Year) 2021	= 13,200
HCAAT (Future Year) 2021	= 940
ESALS	2,433,000
DESIGN SPEED	40 MPH
BASED ON STOPPING SIGHT DISTANCE	
HEIGHT OF EYE 3.5 HEIGHT OF OBJECT 0.5	
DESIGN SPEED NOT ACHIEVED AT:	N/A
FUNCTIONAL CLASSIFICATION "A" MINOR ARTERIAL	
NO. OF TRAFFIC LANES	2
NO. OF PARKING LANES	0
SHOULDER WIDTH	5' - 12'
TON DESIGN	10

DESIGN DESIGNATION

CSAH 12 (COUNTY ROAD F)

P VALUE	= 40
ADT (Current Year) 2001	= 3900
ADT (Future Year) 2021	= 5800
HCAAT (Future Year) 2021	= 410
ESALS	1,078,000
DESIGN SPEED	40 MPH
BASED ON STOPPING SIGHT DISTANCE	
HEIGHT OF EYE 3.5 HEIGHT OF OBJECT 0.5	
DESIGN SPEED NOT ACHIEVED AT:	N/A
FUNCTIONAL CLASSIFICATION COLLECTOR	
NO. OF TRAFFIC LANES	2
NO. OF PARKING LANES	0
SHOULDER WIDTH	4' TO 5'
TON DESIGN	10

28-201

PLAN REVISIONS		
DATE	SHEET NO. & DESCRIPTION	APPROVED BY



PROJECT LOCATION
COUNTY: RAMSEY
DISTRICT: METRO

GOVERNING SPECIFICATIONS

THE 2000 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"

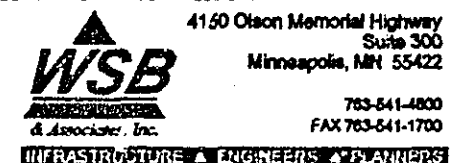
ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MNTCD INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, DATED JANUARY 2001.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3-6	TYPICAL SECTIONS
7-9	RIGHT OF WAY PLAN
10-11	ALIGNMENT LAYOUT AND TABULATION
12-19	CONSTRUCTION PLAN AND PROFILE

THIS PLAN CONTAINS 19 SHEETS.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

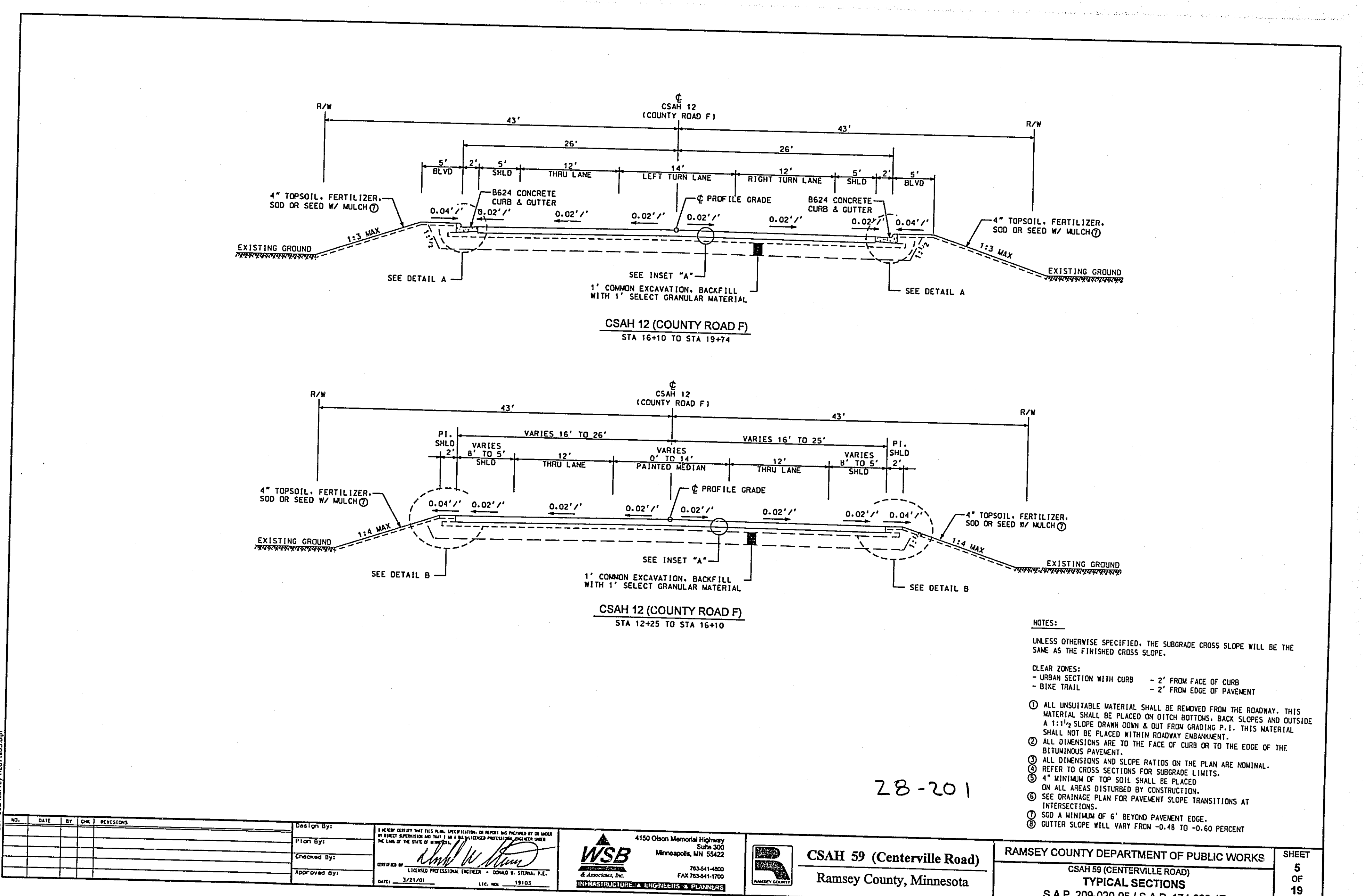
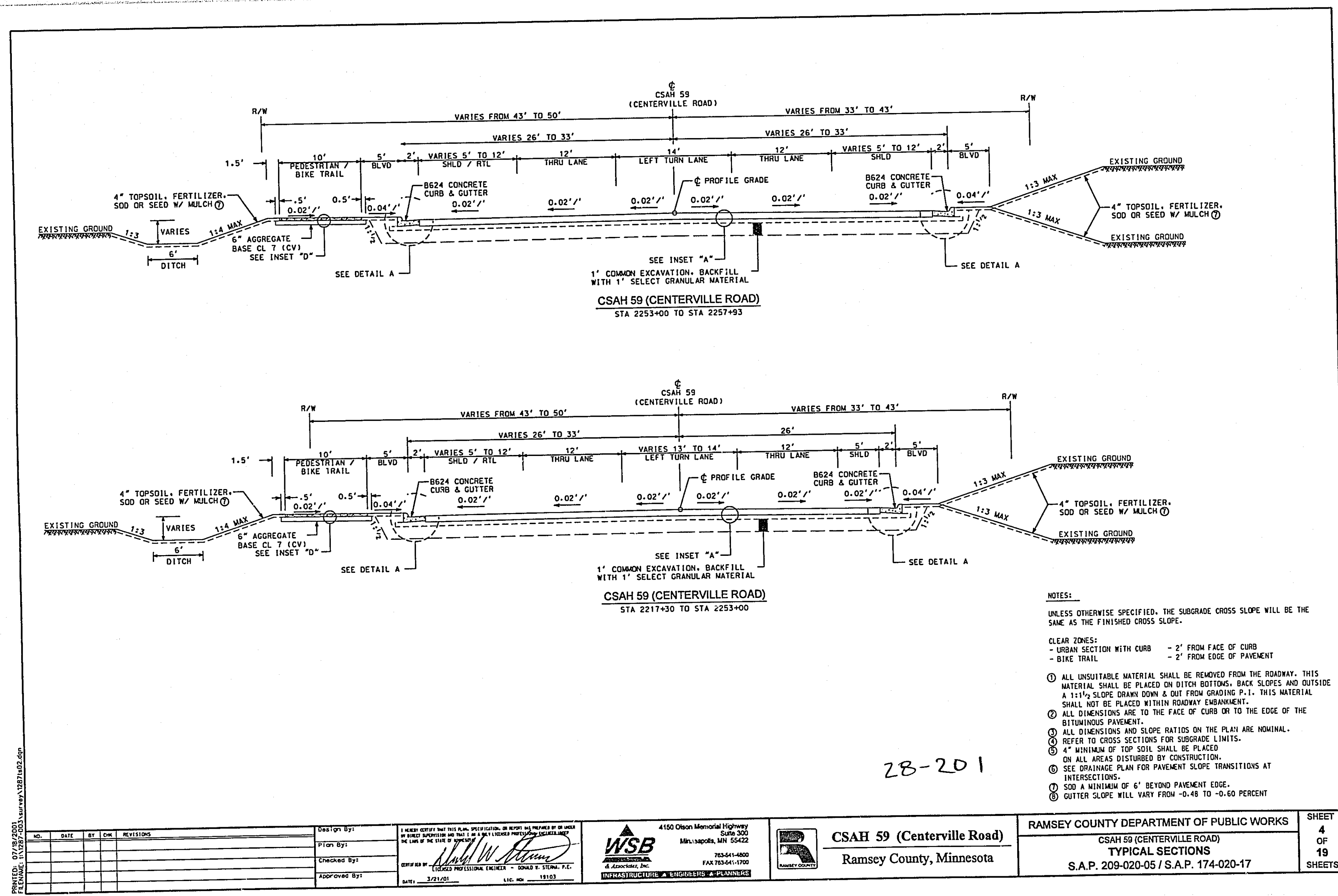
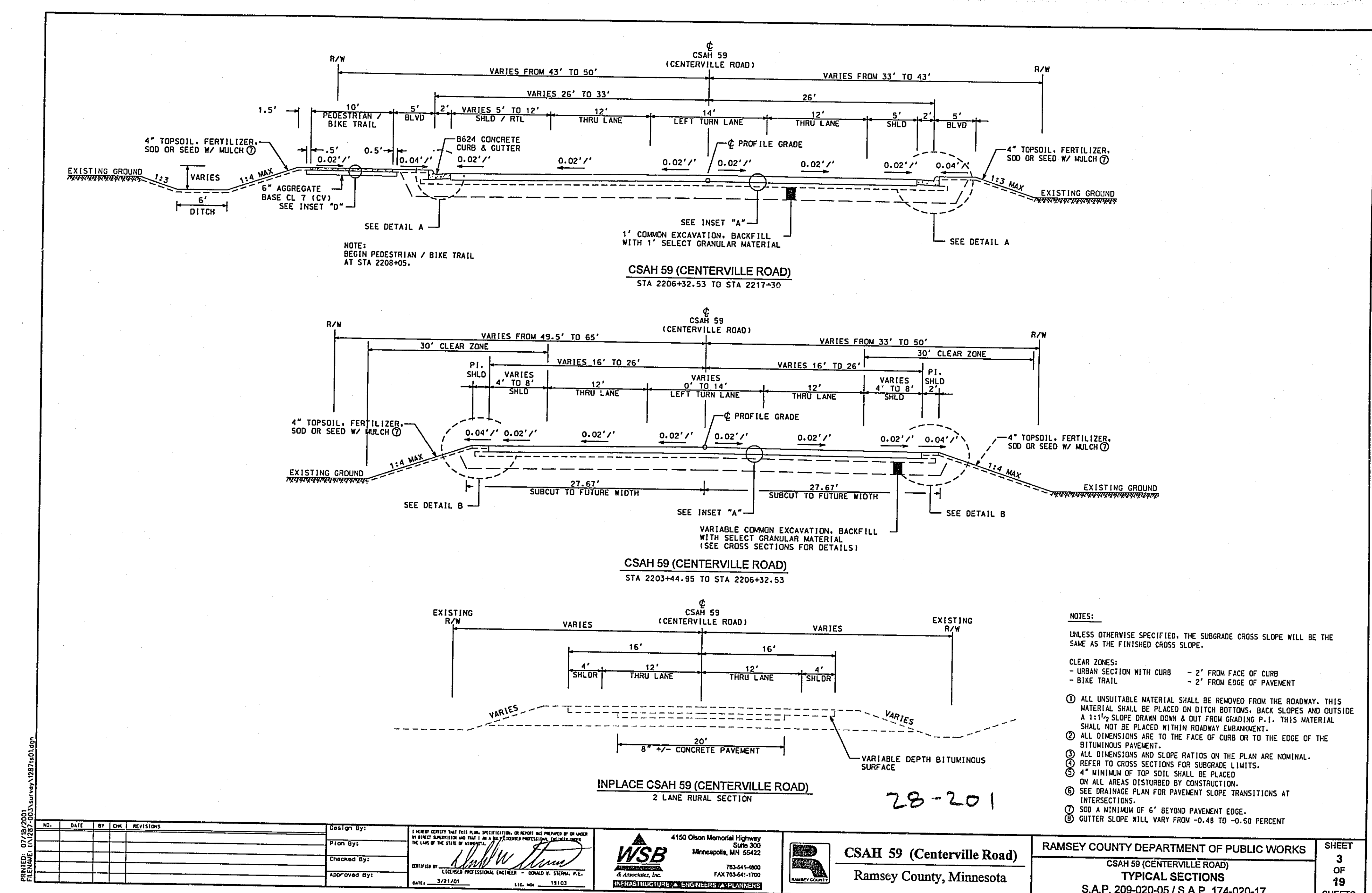
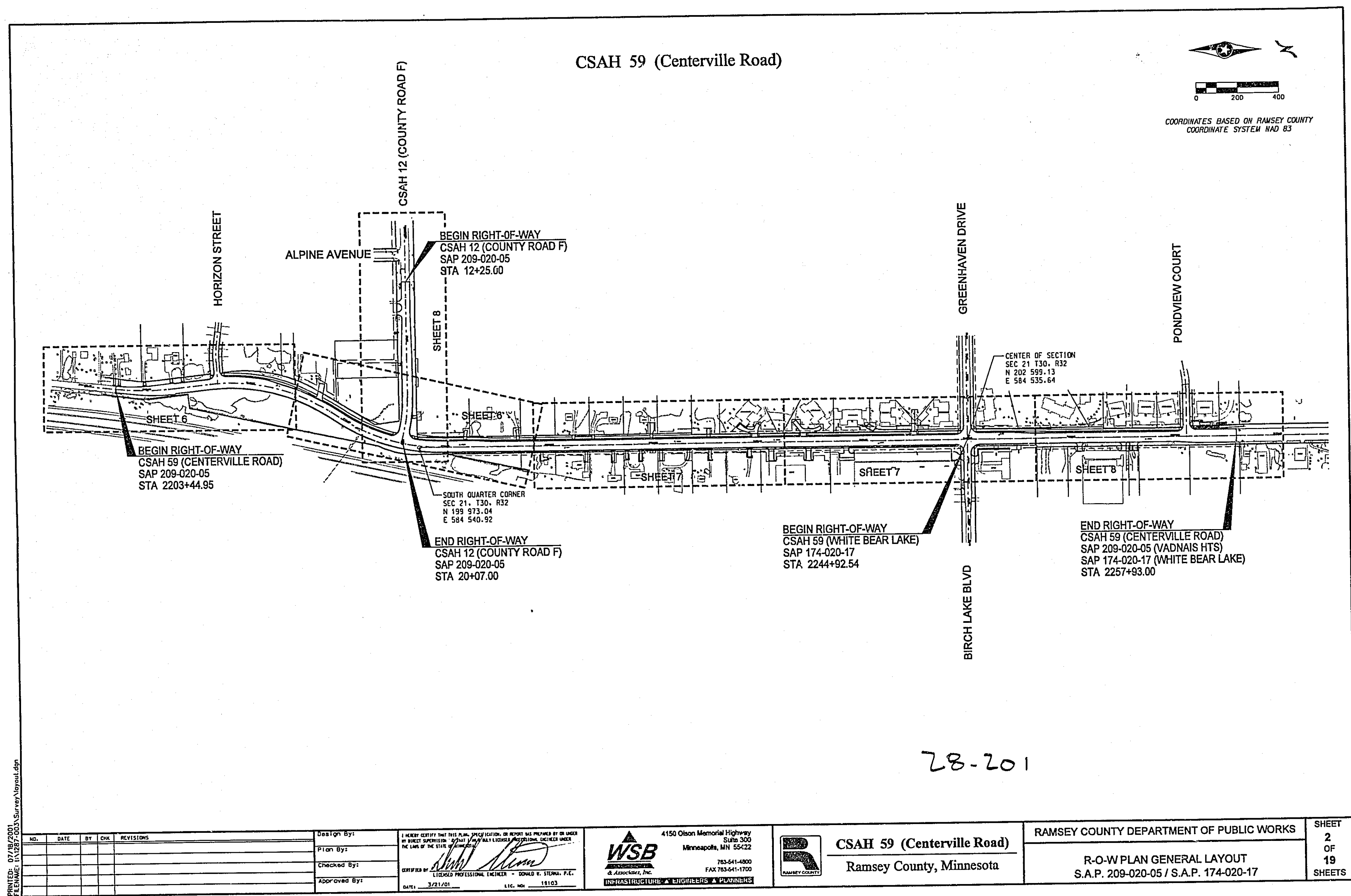


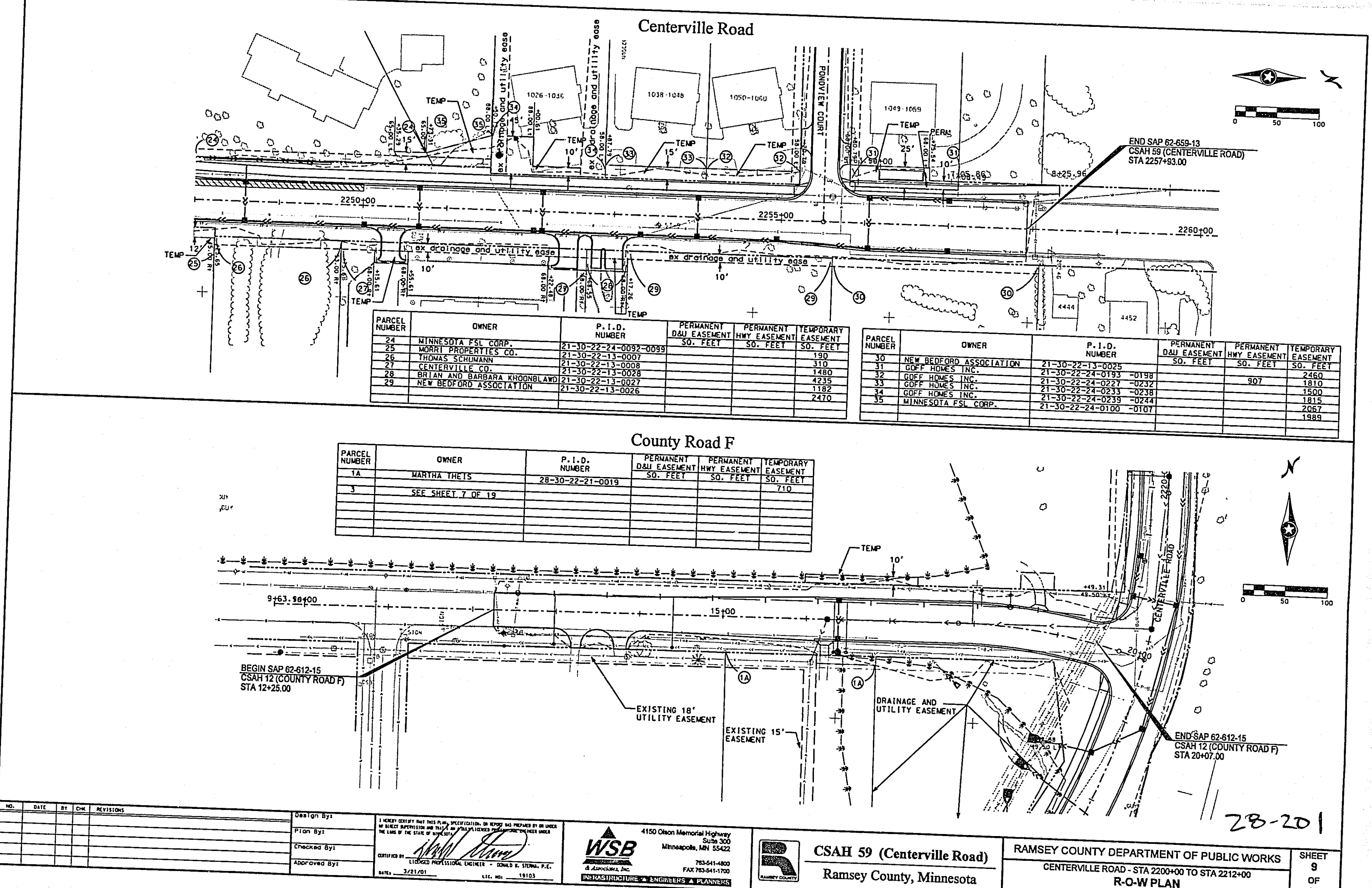
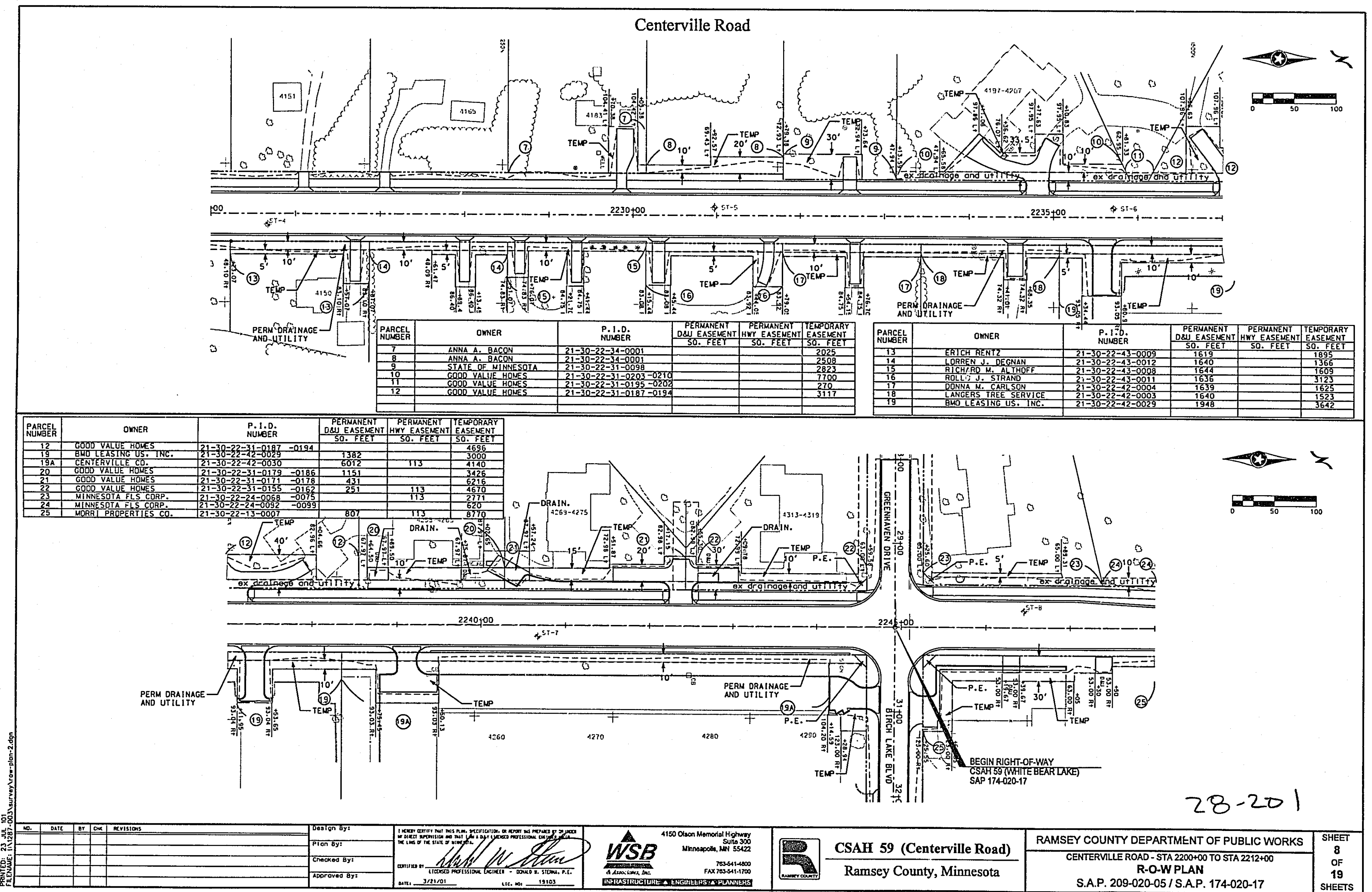
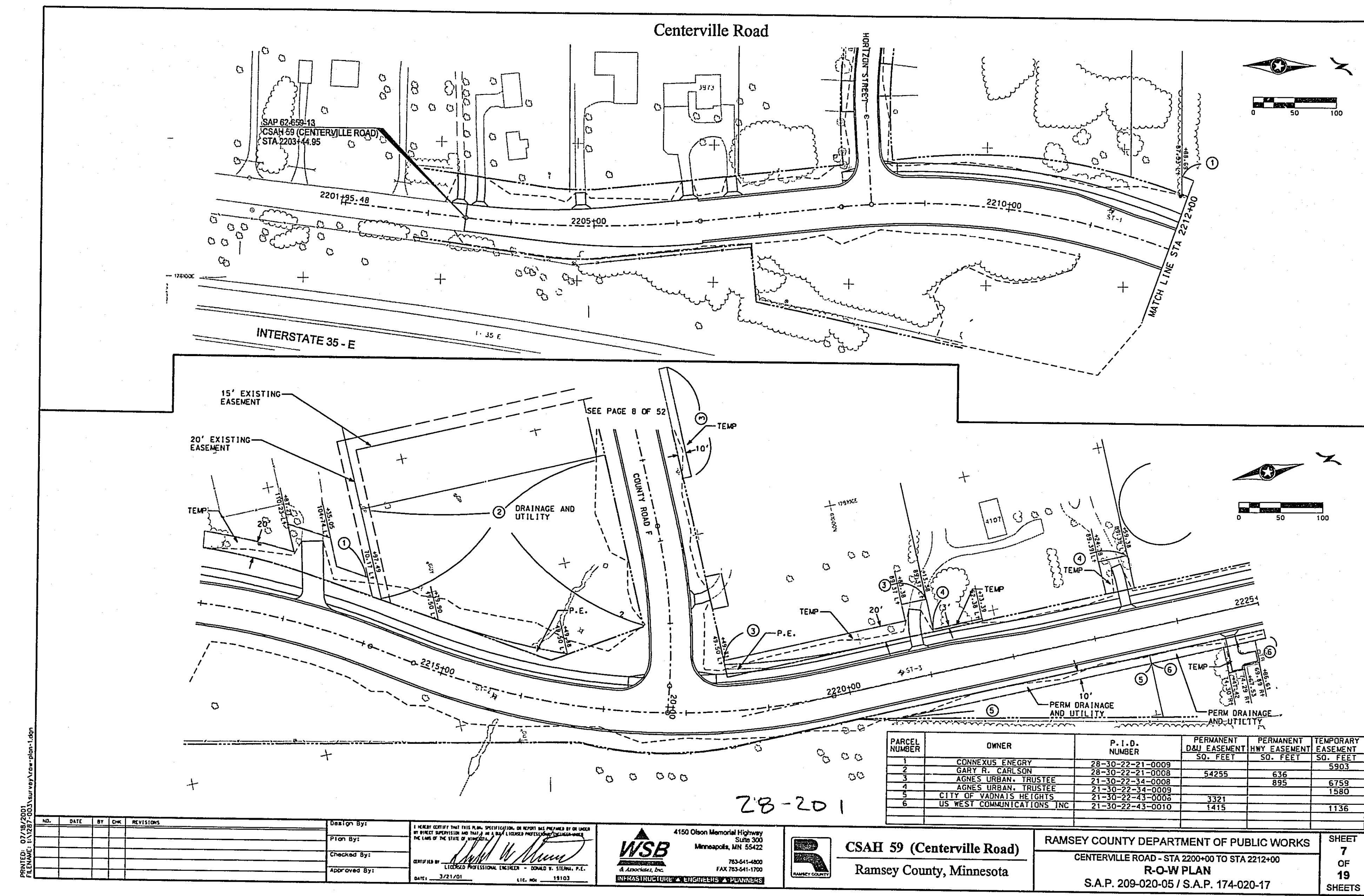
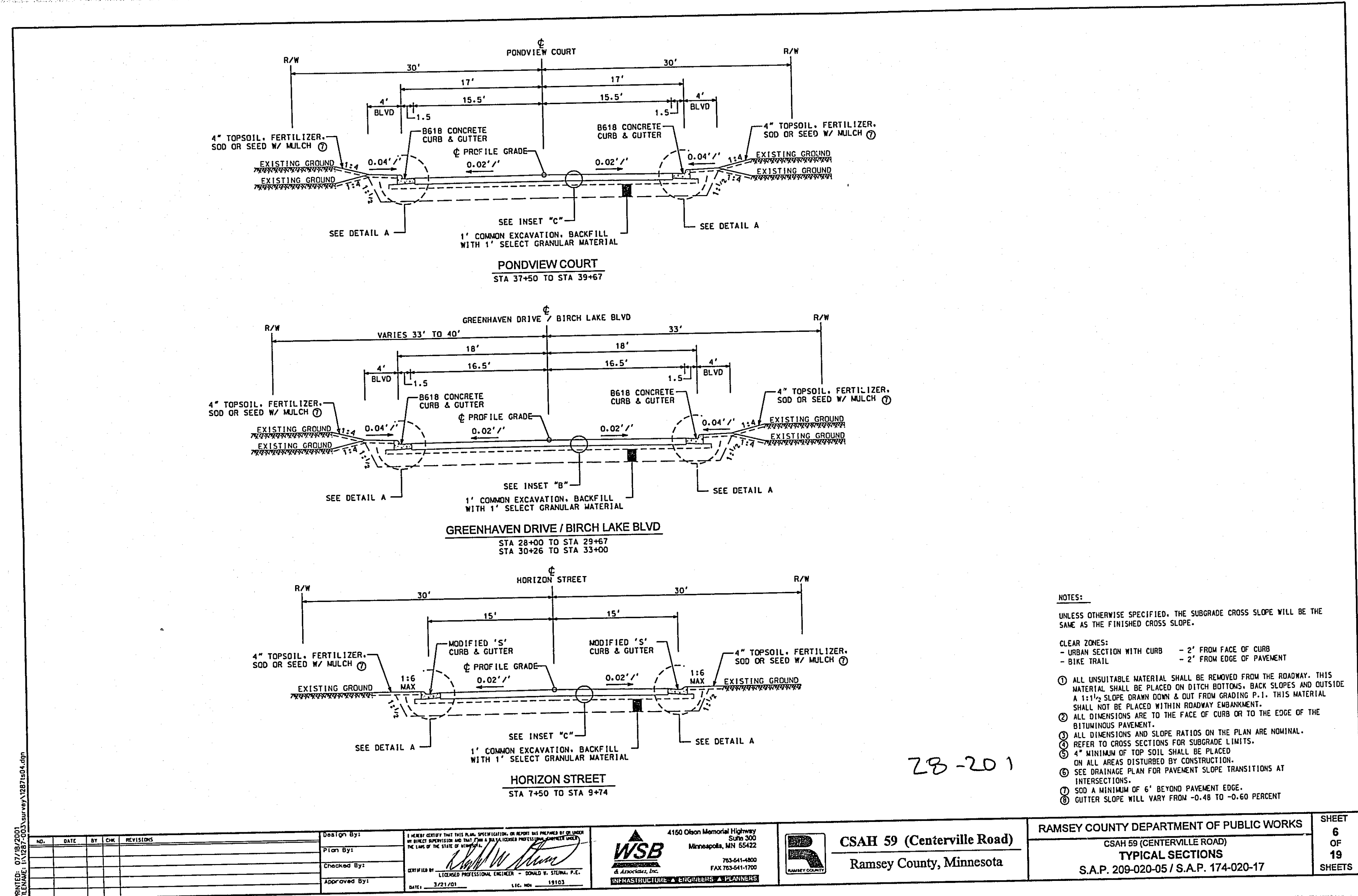
DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

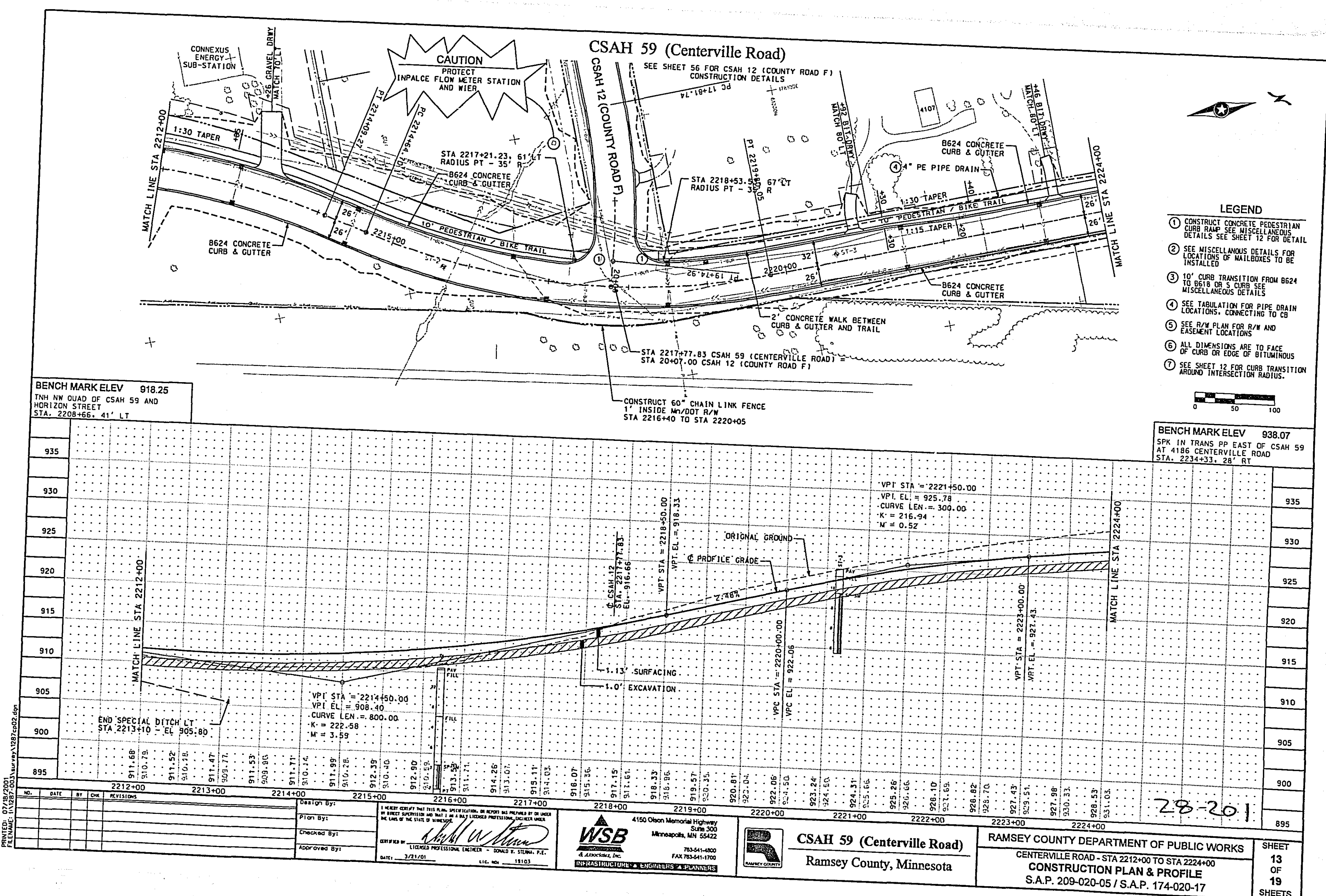
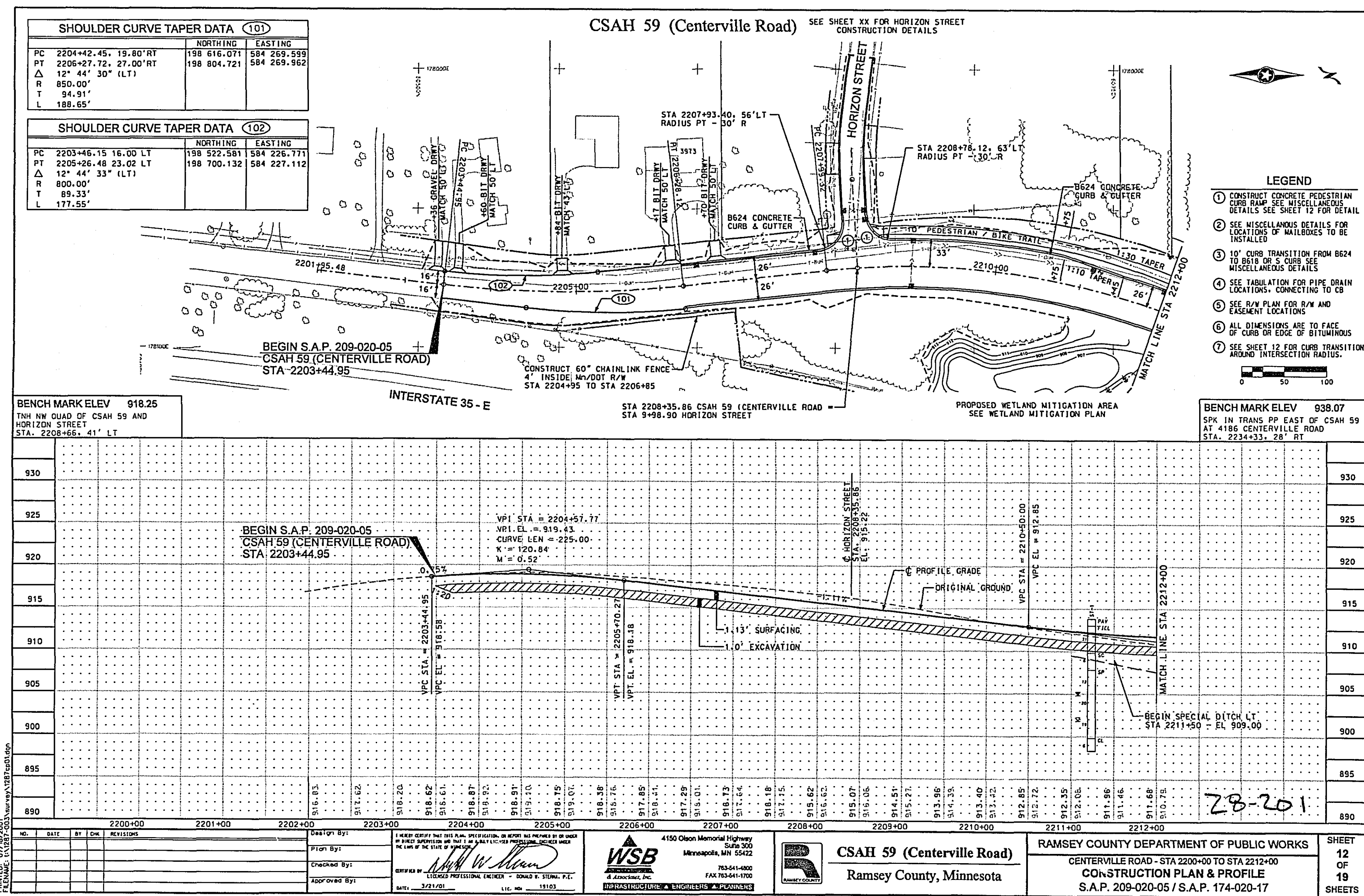
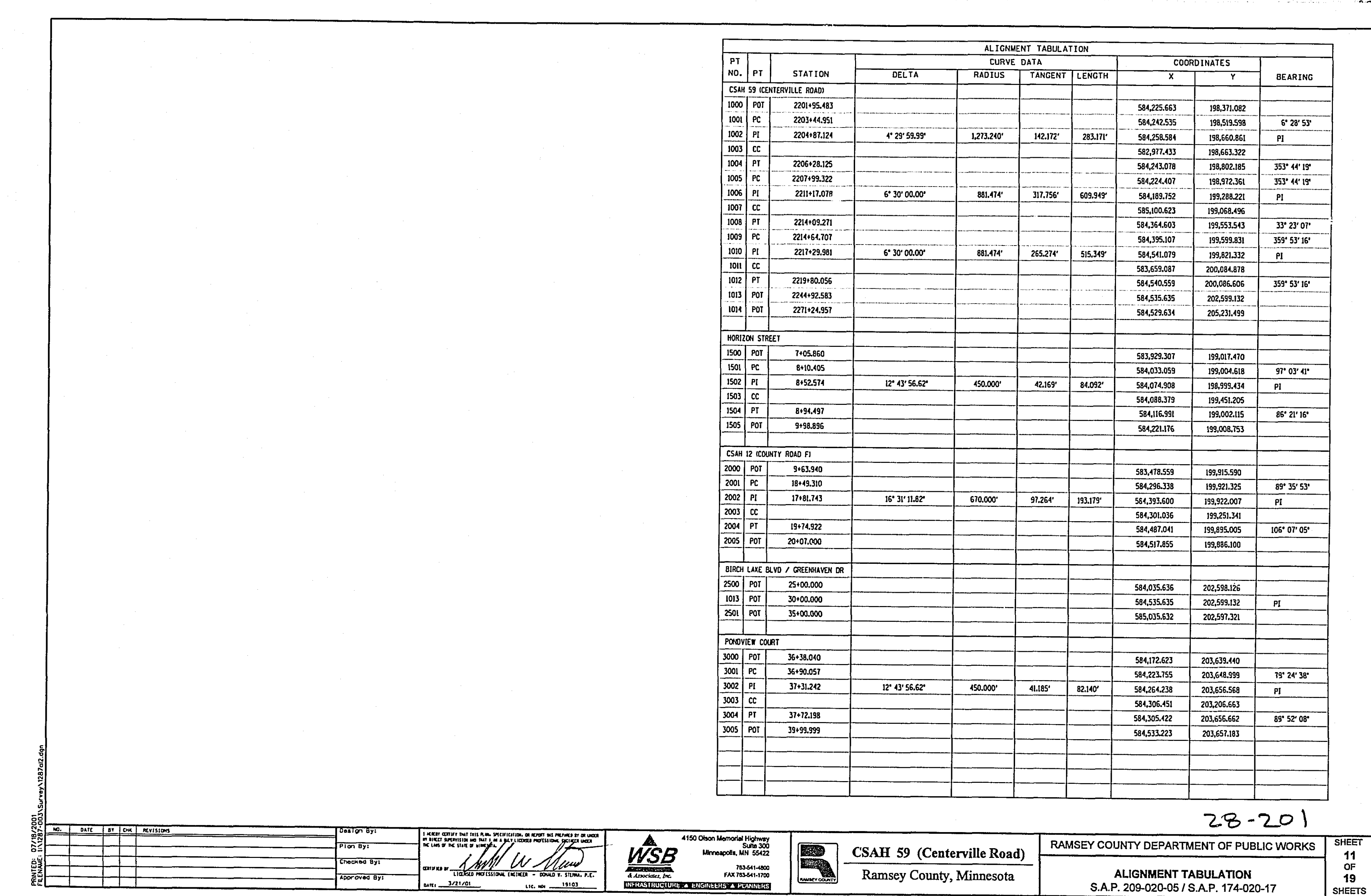
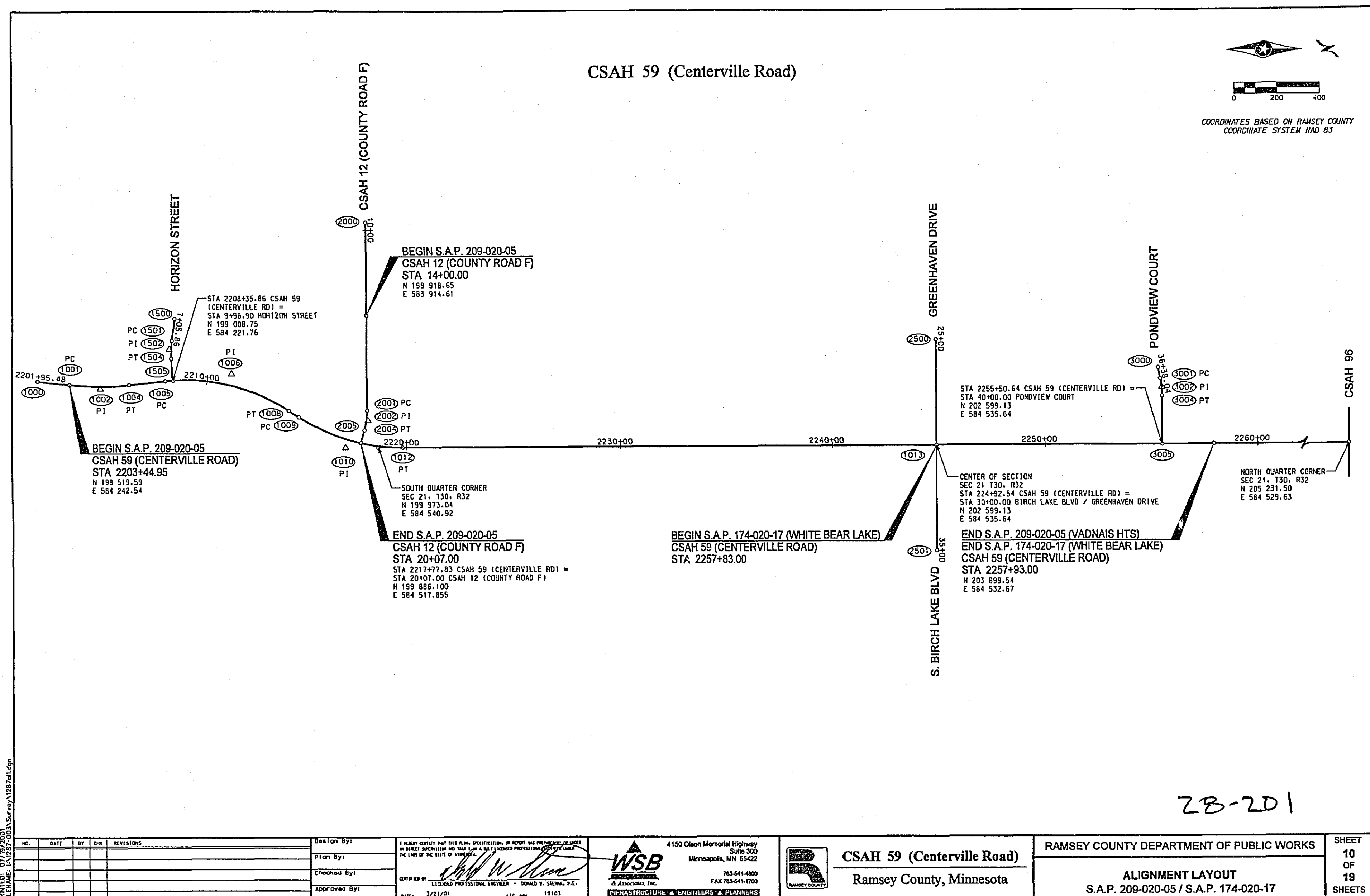
CERTIFIED BY: *[Signature]*
LICENSED PROFESSIONAL ENGINEER - DONALD W. STERNA, P.E.
DATE 3/21/01 PHONE (763) 541-4800 LICENSE NUMBER 19103

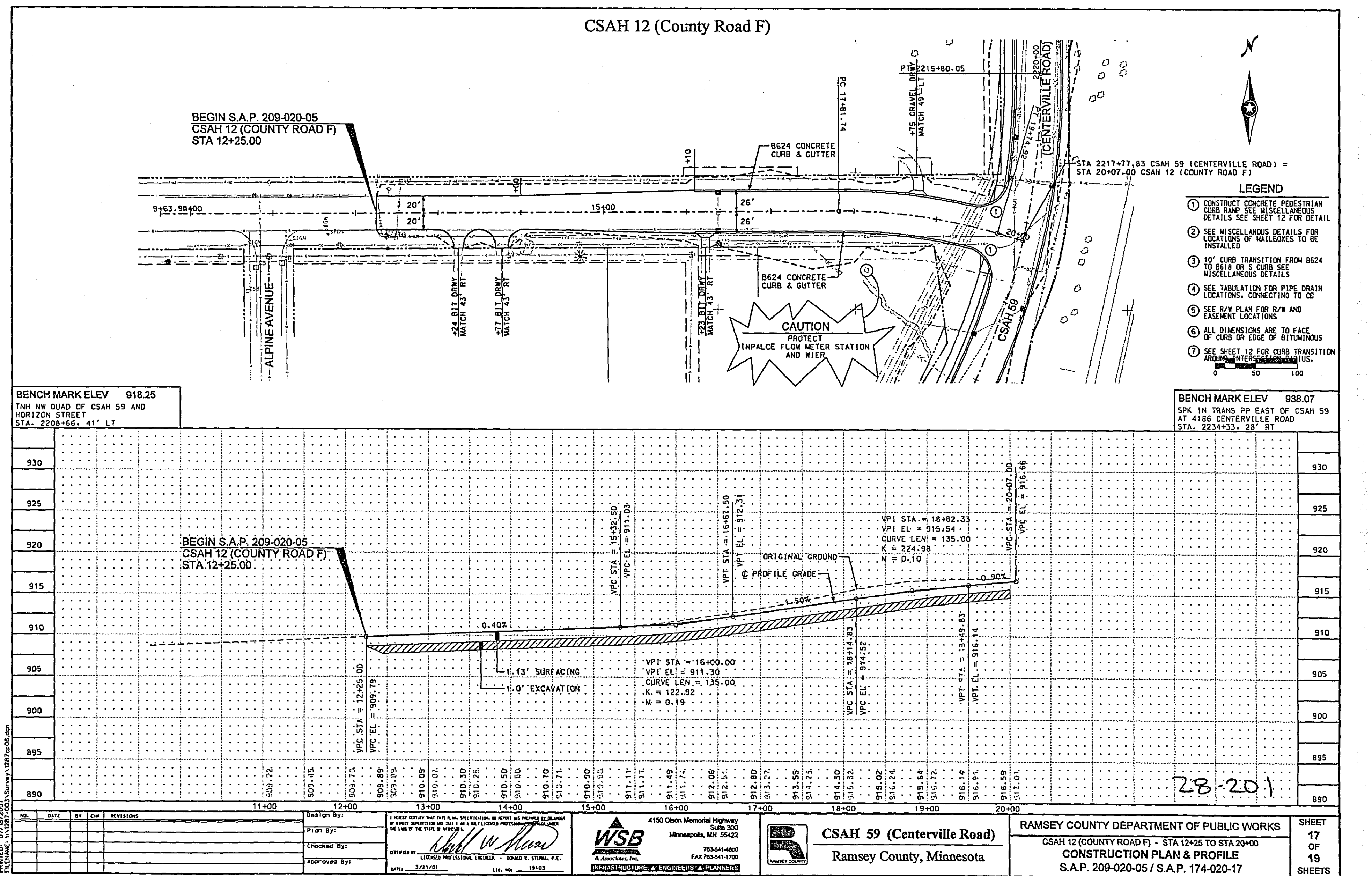
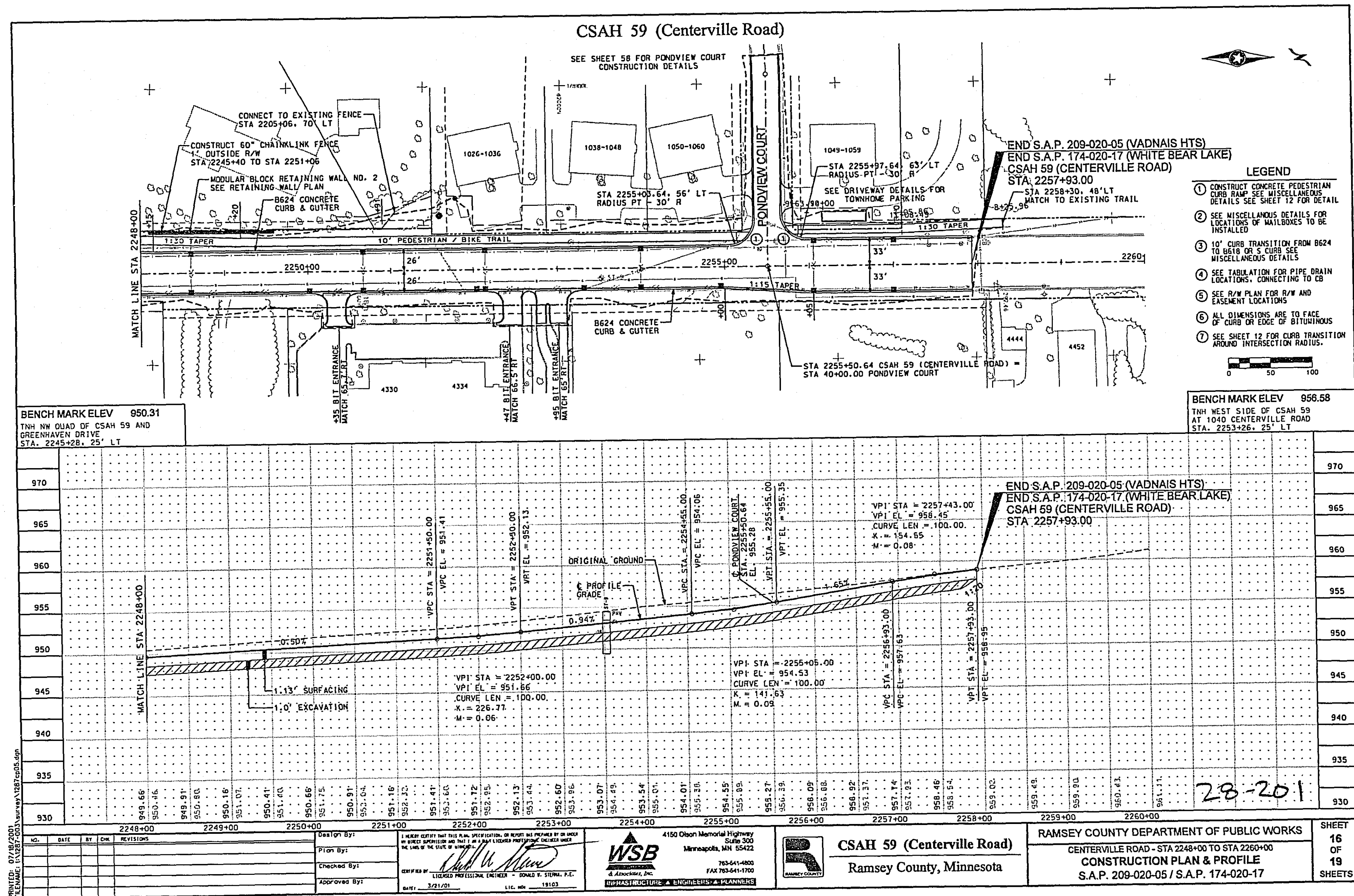
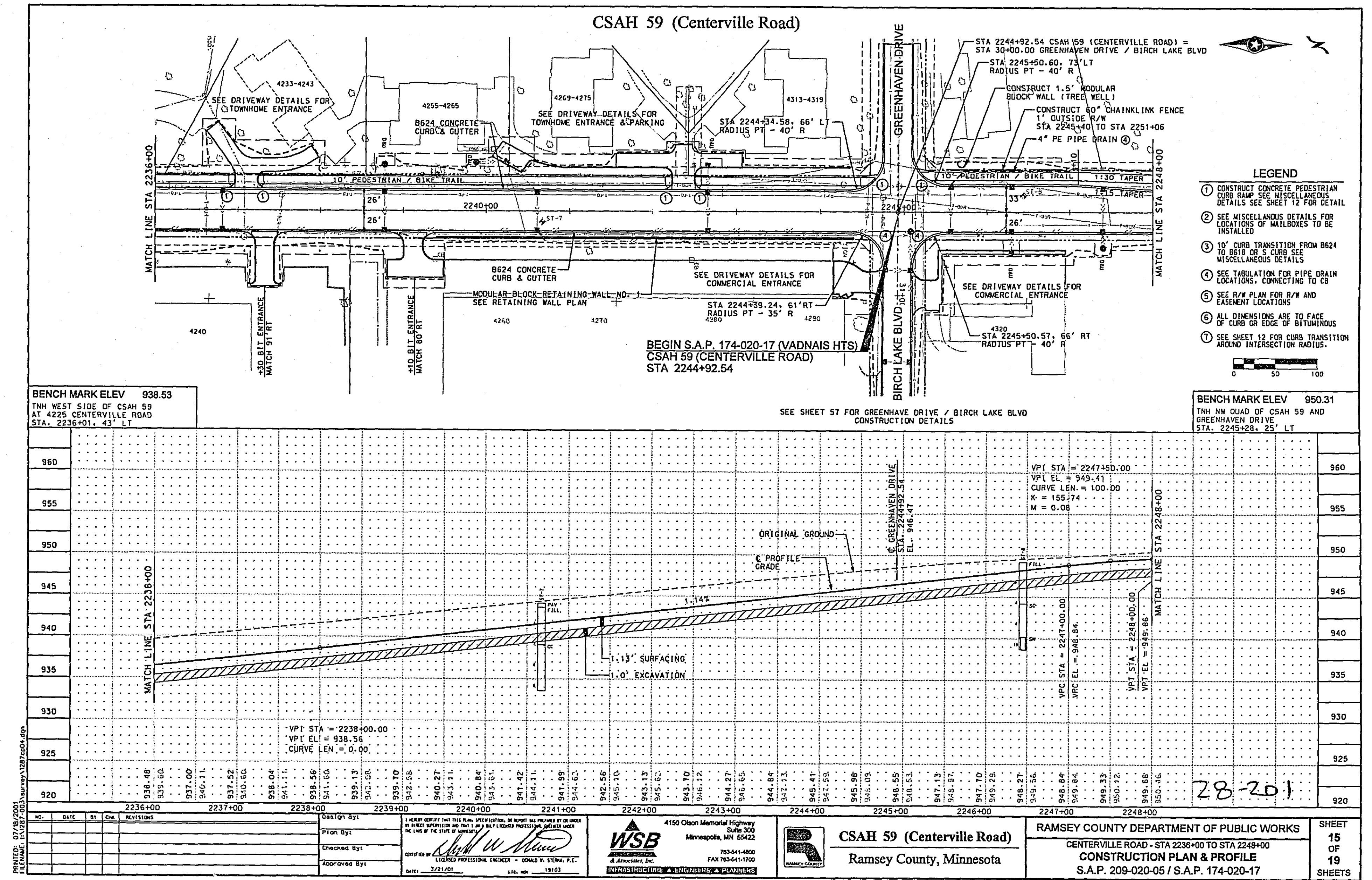
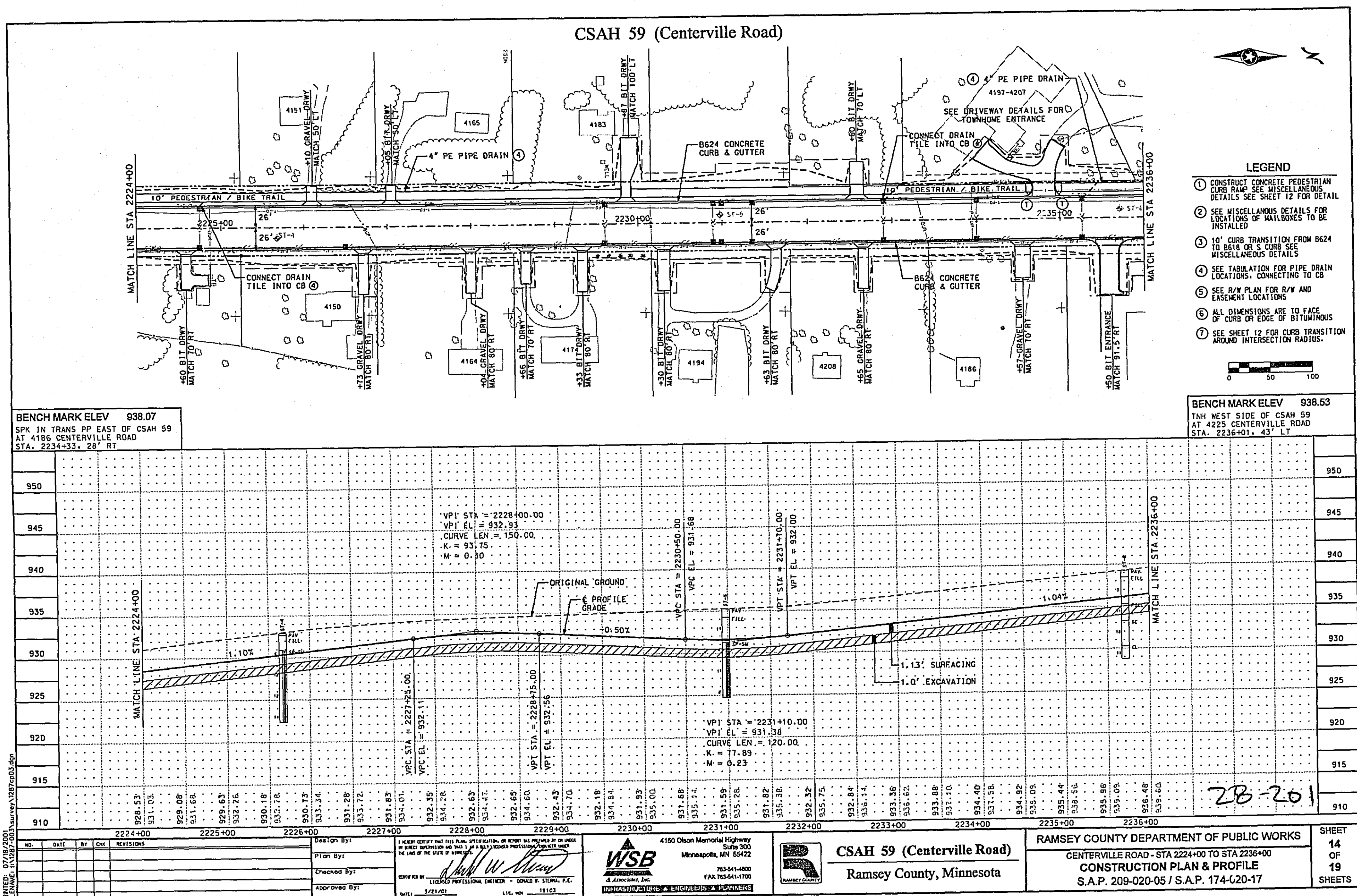
[Signature] DATE: 7/11/01
APPROVED: RAMSEY COUNTY ENGINEER
[Signature] DATE: 4/24/01
APPROVED: RAMSEY COUNTY PROJECT MANAGER
[Signature] DATE: 7/19/01
APPROVED: CITY OF VADNAIS HEIGHTS
[Signature] DATE: 7/10/01
APPROVED: CITY OF WHITE BEAR LAKE
[Signature] DATE: 7/25/01
METRO-ASSISTANT DIVISION ENGINEER - STATE AID
REVIEWED FOR COMPLIANCE WITH STATE AID RULES / POLICY
[Signature] DATE: 7/25/01
APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

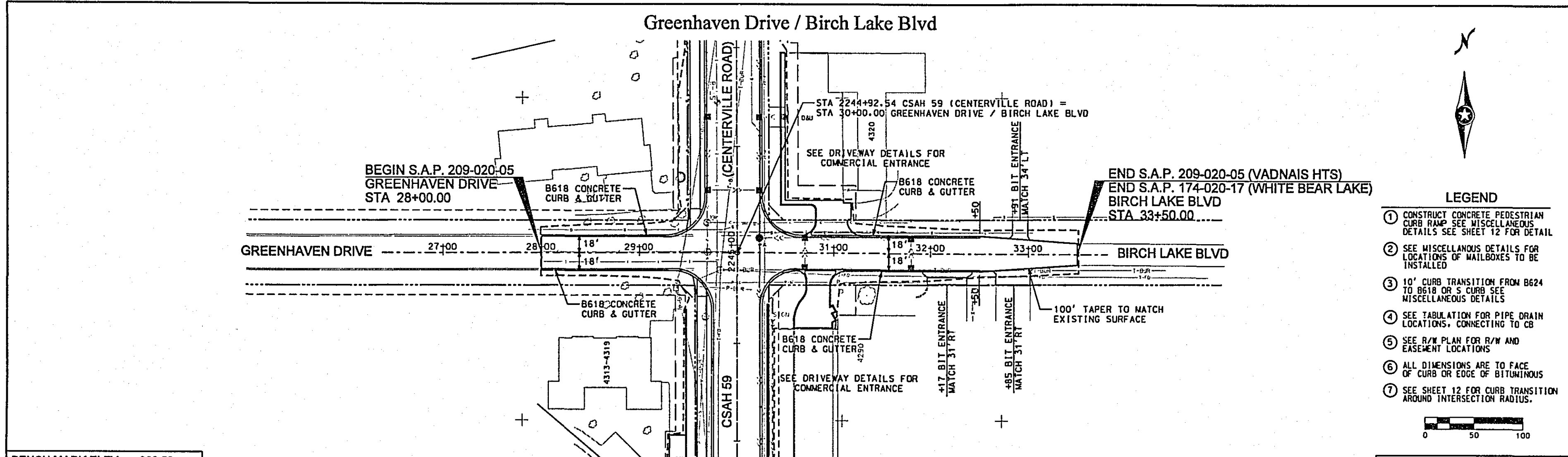
CITY PROJECT NO. 2001-3 (VADNAIS HTS.) / 01-14 (WHITE BEAR LAKE)
S.A.P. 209-020-05 / S.A.P. 174-020-17 TITLE SHEET SHEET NO. 1 OF 19 SHEETS





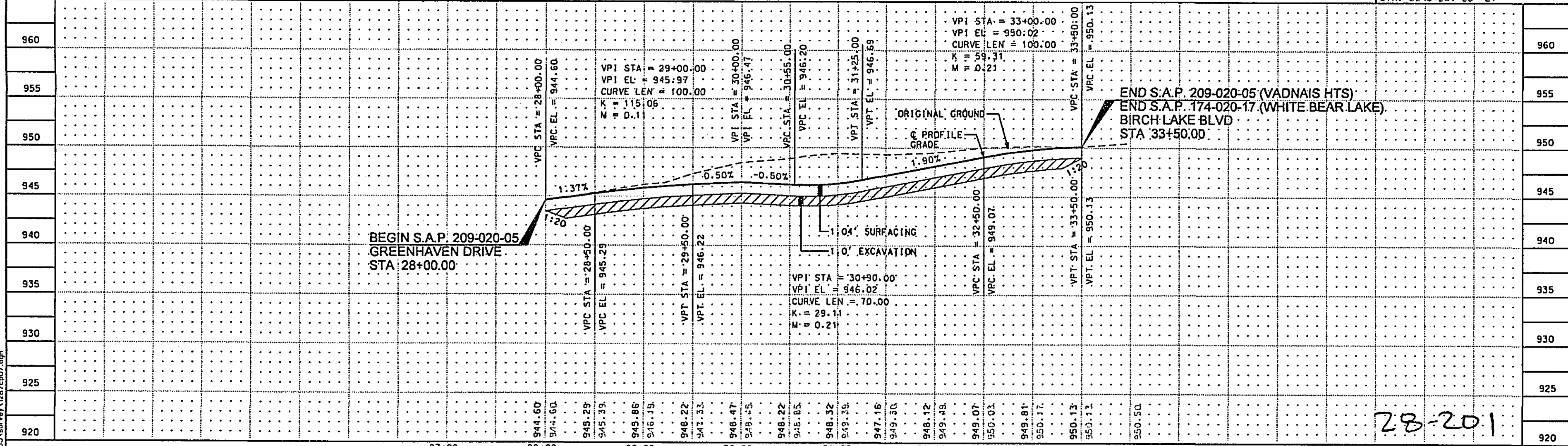






BENCH MARK ELEV 938.53
T.M. WEST SIDE OF CSAH 59
AT 4225 CENTERVILLE ROAD
STA. 2236+01.43' LT

BENCH MARK ELEV 950.31
T.M. NW QUAD OF CSAH 59 AND
GREENHAVEN DRIVE
STA. 2245+28.25' LT



NO.	DATE	BY	CHK	REVISIONS

DESIGN BY: *[Signature]*
 CHECKED BY: *[Signature]*
 APPROVED BY: *[Signature]*

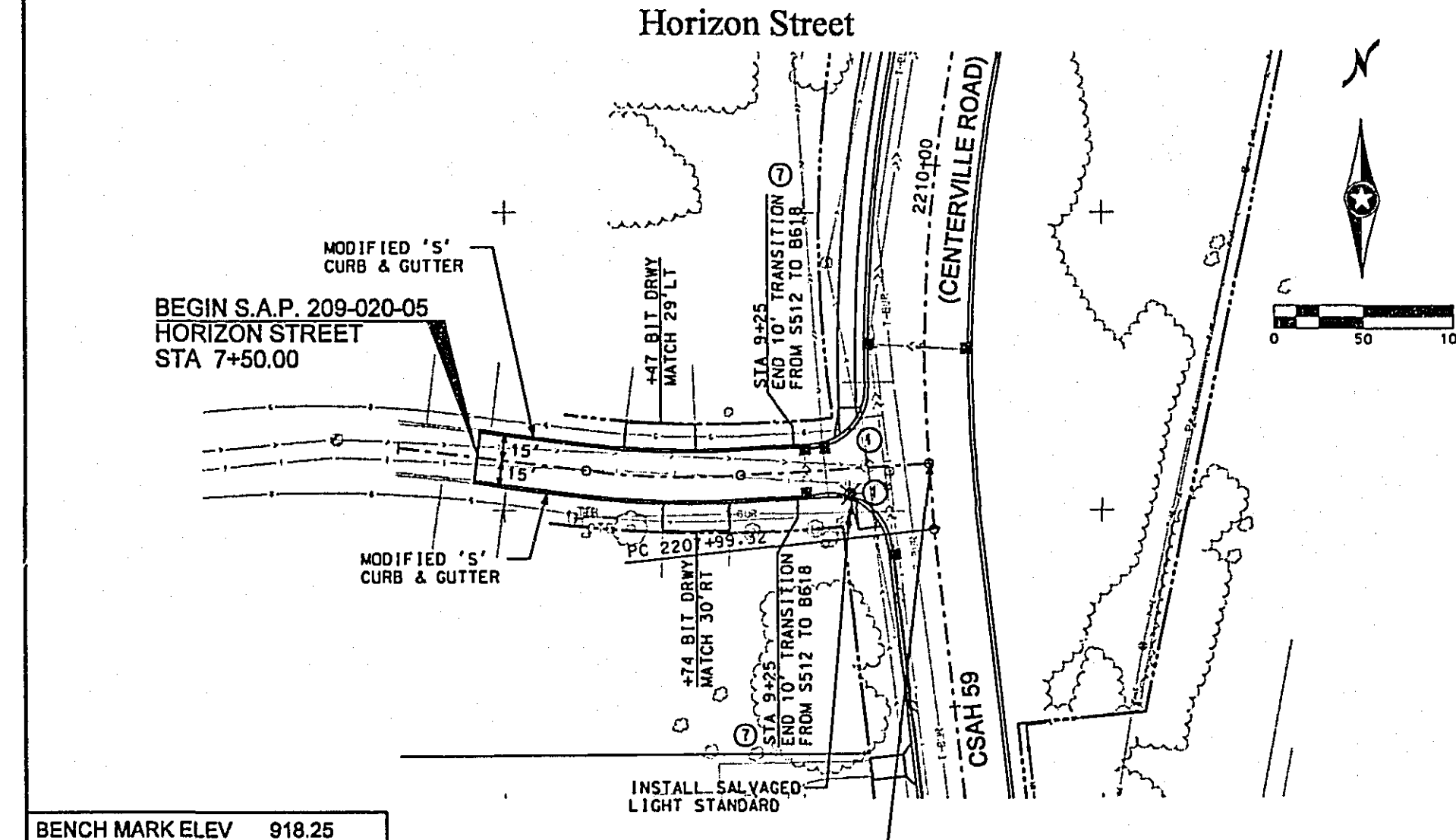
DATE: 3/21/01

4150 Olson Memorial Highway
Suite 300
Minneapolis, MN 55422
763-641-4800
FAX 763-641-1700

CSAH 59 (Centerville Road)
Ramsey County, Minnesota

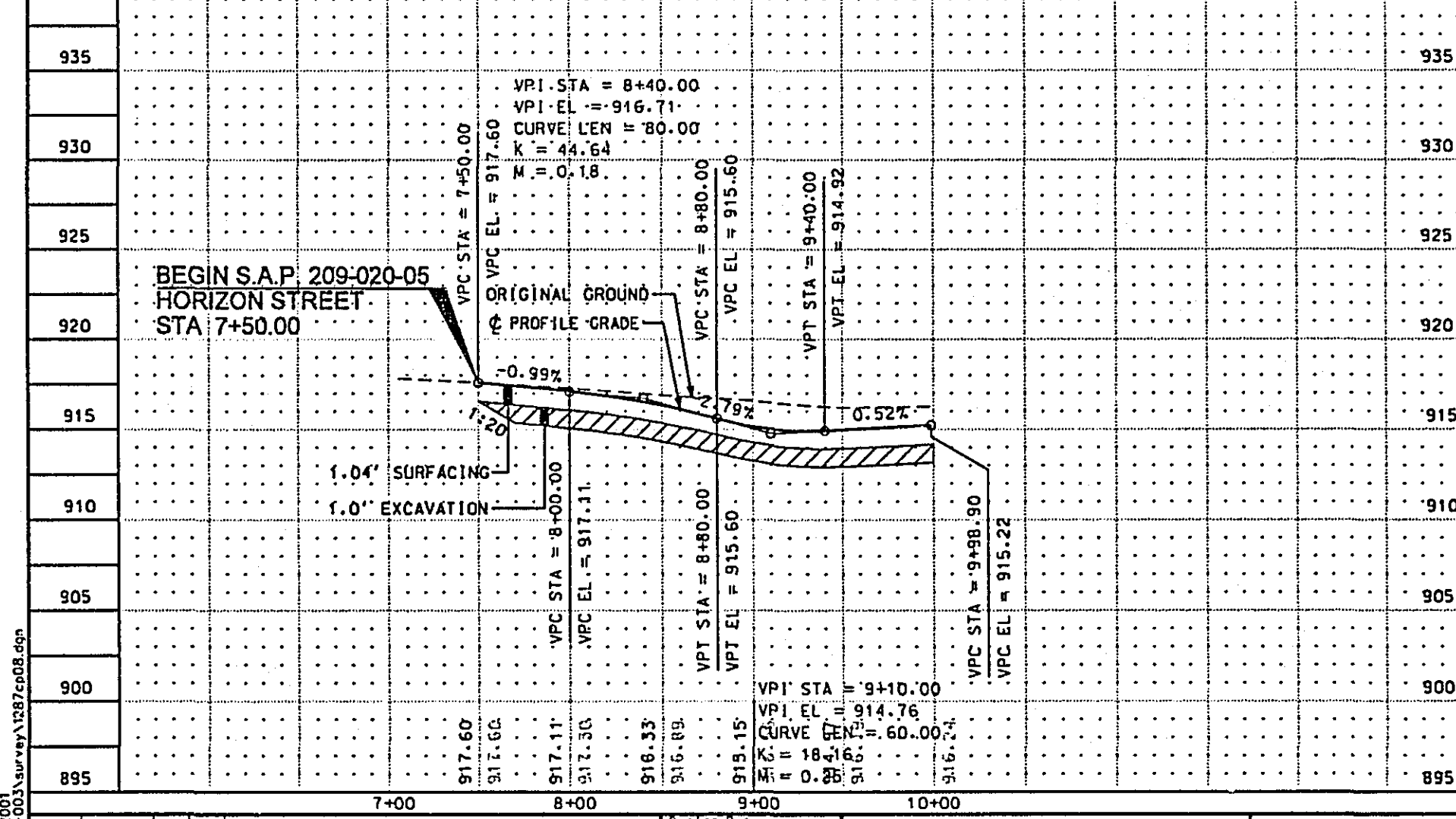
RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS
GREENHAVEN DRIVE / BIRCH LAKE BLVD
CONSTRUCTION PLAN & PROFILE
S.A.P. 209-020-05 / S.A.P. 174-020-17

SHEET 18 OF 19 SHEETS



BENCH MARK ELEV 918.25
T.M. NW QUAD OF CSAH 59 AND
HORIZON STREET
STA. 2208+66.41' LT

BENCH MARK ELEV 956.58
T.M. WEST SIDE OF CSAH 59
AT 1040 CENTERVILLE ROAD
STA. 2253+26.25' LT



NO.	DATE	BY	CHK	REVISIONS

DESIGN BY: *[Signature]*
 CHECKED BY: *[Signature]*
 APPROVED BY: *[Signature]*

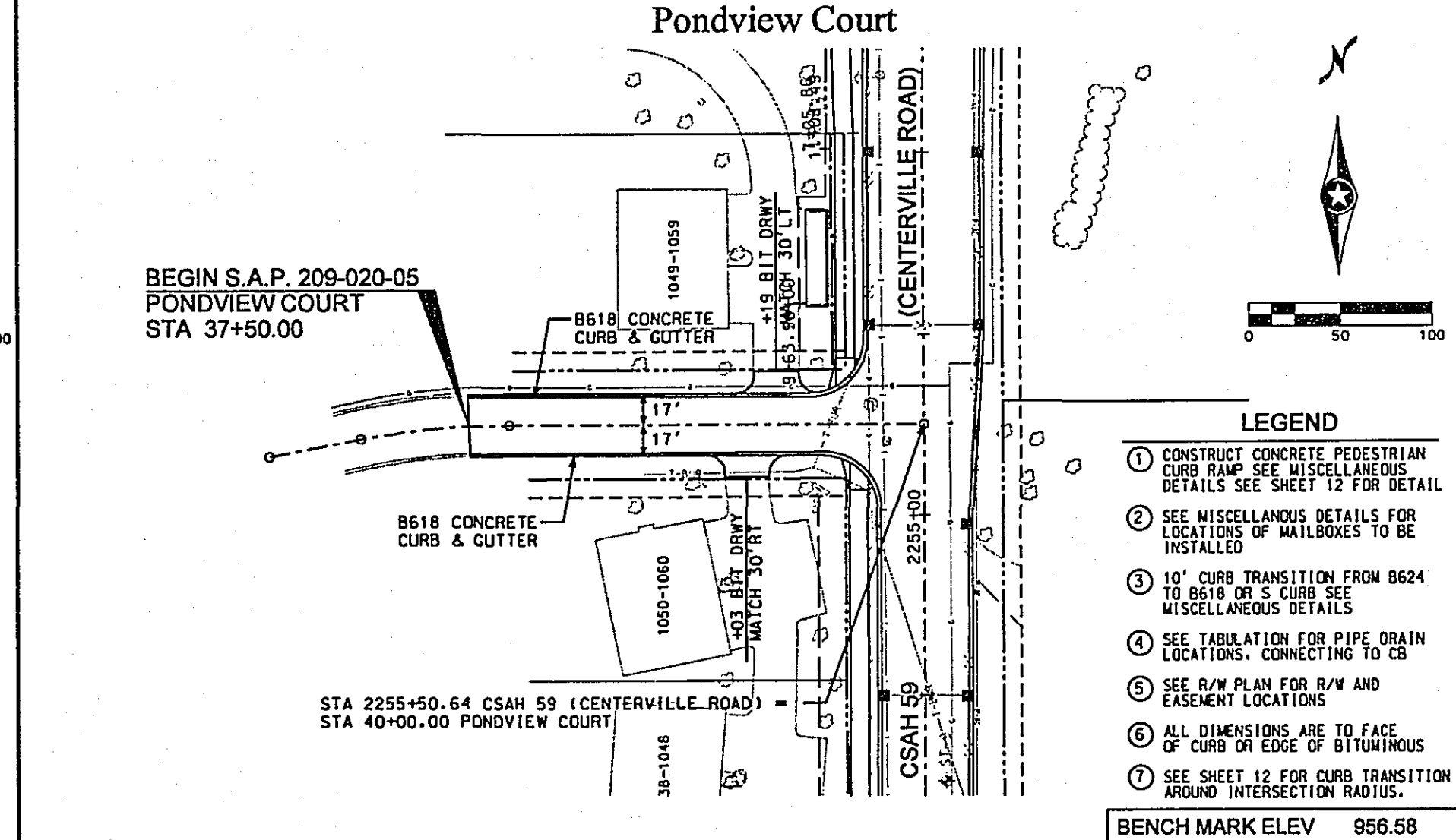
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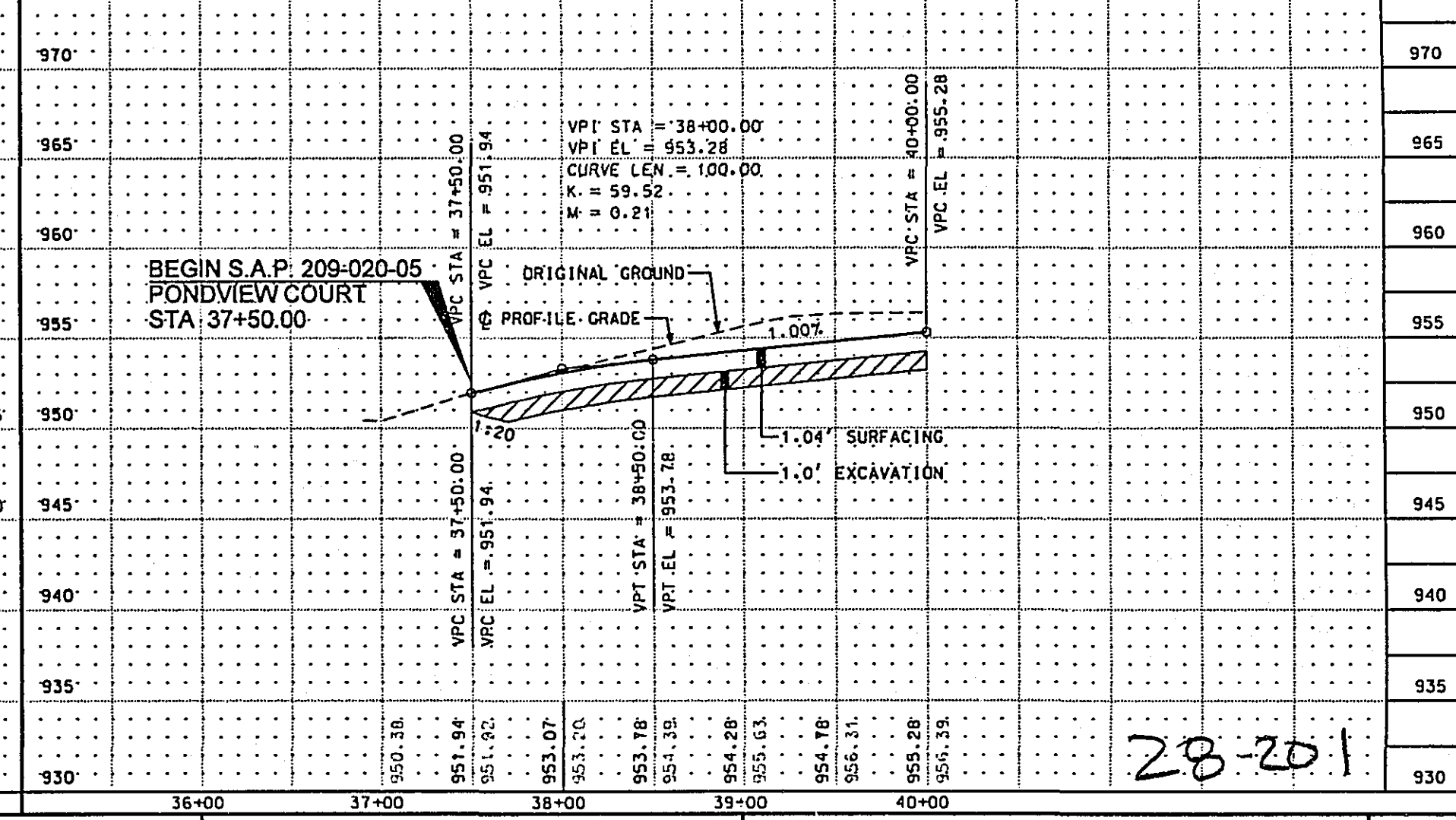
RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS
HORIZON STREET / PONDVIEW COURT
CONSTRUCTION PLAN & PROFILE
S.A.P. 209-020-05 / S.A.P. 174-020-17

SHEET 19 OF 19 SHEETS



BENCH MARK ELEV 918.25
T.M. NW QUAD OF CSAH 59 AND
HORIZON STREET
STA. 2208+66.41' LT

BENCH MARK ELEV 956.58
T.M. WEST SIDE OF CSAH 59
AT 1040 CENTERVILLE ROAD
STA. 2253+26.25' LT



NO.	DATE	BY	CHK	REVISIONS

DESIGN BY: *[Signature]*
 CHECKED BY: *[Signature]*
 APPROVED BY: *[Signature]*

DATE: 3/21/01

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SHEET 19 OF 19 SHEETS