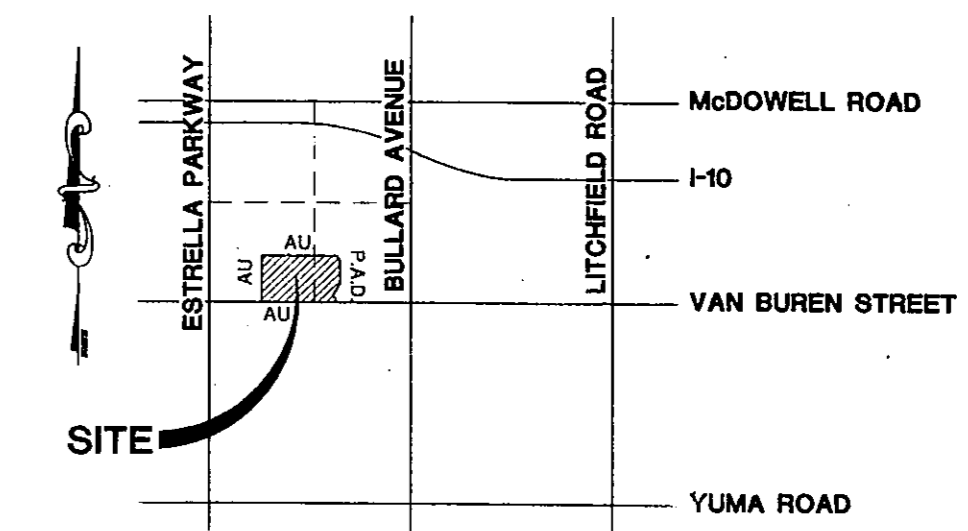


RANCHO MIRAGE WATER AND SEWER PLANS GOODYEAR, ARIZONA

A SUBDIVISION OF A PORTION OF THE SOUTH HALF OF SECTION 5,
TOWNSHIP 1 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER
BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA



CITY OF GOODYEAR GENERAL NOTES FOR CONSTRUCTION

- ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST MAG STANDARD DETAILS AND SPECIFICATIONS AND THE CITY'S SUPPLEMENTAL DETAILS AND SPECIFICATIONS.
- THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
- THE CITY DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS.
- THE CITY APPROVAL IS FOR GENERAL LAYOUT IN THE RIGHT-OF-WAY ONLY. THIS APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND APPROVAL.
- AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- THE CITY SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY CONSTRUCTION WORK AND INSPECTIONS. (932-1637). CONSTRUCTION WORK CONCEALED WITHOUT INSPECTION BY THE CITY SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
- RIGHT-OF-WAY IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL "AS-BUILT" PLANS HAVE BEEN SUBMITTED AND APPROVED BY THE CITY. (SEE AS-BUILT REQUIREMENTS)
- THE DEVELOPER IS RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY PRIOR TO STARTING NEW CONSTRUCTION.
- THE DEVELOPER IS RESPONSIBLE FOR ARRANGING THE RELOCATION AND ASSOCIATED COSTS OF ALL UTILITIES. A UTILITY RELOCATION SCHEDULE SHALL BE SUBMITTED PRIOR TO THE ISSUANCE OF PERMITS.
- THE DEVELOPER IS RESPONSIBLE FOR OBTAINING AND DEDICATING ALL REQUIRED RIGHTS-OF-WAY AND EASEMENTS TO THE CITY PRIOR TO ISSUANCE OF PERMITS.
- THE CONTRACTOR SHALL CONTACT BLUE STAKE (263-1100) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BARRICADE CONSTRUCTION SITES AT ALL TIMES PER THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL. WHEN REQUIRED BY THE CITY, A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED FOR APPROVAL IN ADVANCE OF CONSTRUCTION.
- THE CONTRACTOR MAY REQUEST A FIRE HYDRANT METER FOR CONSTRUCTION WATER FROM THE FINANCE DEPARTMENT. THIS METER SHOULD BE ORDERED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE UNLAWFUL REMOVAL OF WATER FROM A FIRE HYDRANT IS A VIOLATION OF THE MUNICIPAL CODE, PUNISHABLE BY FINE AND/OR IMPRISONMENT.
- PRIVATE ON-SITE WATER AND SEWER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE, N.F.P.A. AND THE UNIFORM FIRE CODE AS ADOPTED BY THE CITY.

UTILITY COMPANIES

FIRE: CITY OF GOODYEAR
WATER: CITY OF GOODYEAR
SEWER: CITY OF GOODYEAR
GAS: SOUTHWEST GAS CO., FRANCHISE (420-586) AT (602) 484-5266
ELECTRIC: ARIZONA PUBLIC SERVICE
HOME BUILDERS WEST AT (602) 583-5760
COMPANY REPRESENTATIVE CONTACTED

TELEPHONE: U.S. WEST
ROB HARDY AT (602) 630-3551
COMPANY REPRESENTATIVE CONTACTED

CATV: COX CABLE
DALE SCOTT AT (602) 447-0363
COMPANY REPRESENTATIVE CONTACTED

CITY OF GOODYEAR GENERAL NOTES FOR WATER MAIN CONSTRUCTION

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT MAG SPECIFICATION AND STANDARD DETAILS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- CITY OF GOODYEAR INSPECTORS SHALL BE NOTIFIED 24 HOURS PRIOR TO STARTING EACH PHASE OF CONSTRUCTION, AND EACH INSPECTION REQUESTED (932-1637).
- ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE CITY AND ANY WORK/MATERIAL NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR WILL EXPOSE ANY LINES BEING TIED INTO TO VERIFY LOCATION.
- CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED (BLUE STAKE - 263-1100) AND SHALL ELIMINATE ALL CONFLICTS PRIOR TO CONSTRUCTION.
- CITY IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL CITY PARTICIPATE IN THE COST OF UTILITY CONSTRUCTION NOR RELOCATION.
- AS-BUILT DRAWINGS (ONE SET MYLARS AND TWO SETS OF PRINTS), CERTIFIED BY THE SUBDIVIDER'S ENGINEER, SHALL BE SUBMITTED TO AND ACCEPTED BY THE CITY BEFORE FINAL ACCEPTANCE OF THE WORK.
- BACKFILLING SHALL NOT BE DONE UNTIL LINES ARE INSPECTED AND APPROVED BY THE CITY.
- VALVES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR ACCORDING TO MAG AND C.O.G. SUPPLEMENTS. APPROVED VALVES LIST IS AVAILABLE AT THE PUBLIC WORKS DEPARTMENT.
- BACK FLOW PREVENTORS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR ACCORDING TO MAG AND C.O.G. SUPPLEMENTS. APPROVED VALVES LIST IS AVAILABLE AT THE PUBLIC WORKS DEPARTMENT.
- FIRE HYDRANTS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, AND SHALL BE PAINTED CHROME YELLOW AFTER INSTALLATION. APPROVED FIRE HYDRANT LIST IS AVAILABLE AT THE PUBLIC WORKS DEPARTMENT.
- ALL SERVICE LINES SHALL BE TYPE K COPPER PIPE OR TUBING. THE MINIMUM SIZE SERVICE SHALL BE ONE-INCH. SERVICE LINES SHALL BE CONTINUOUS UNDER PAVEMENT WITHOUT A CONNECTION OR EXTENSION.
- ALL TAPS SHALL USE ALL BRONZE DOUBLE STRAP SERVICE SADDLE.
- CONTRACTOR IS TO INSTALL ALL TAPS AND METER BOXES. THE TAP SHALL TERMINATE WITH AN ANGLE METER VALVE WITHIN THE BOX SET 24 INCHES BEHIND THE SIDEWALK, THE METER BOX SHALL BE SET 2" ABOVE THE GROUND, THE METER BOX AND LID SHALL BE CAST IRON FORD METER BOX MODEL NO. YM HC 241-243-T-G FOR 1 INCH SERVICE AND FPMB-7-T FOR 1 1/2 INCH OR TWO INCH SERVICE SUITABLE FOR THE INSTALLATION OF A SENSUS TOUCH READ MODEL METER.
- METERS SHALL BE FURNISHED AND INSTALLED BY UTILITY AGENCY. ALL METERS SHALL BE SENSUS TOUCH READ MODEL.
- PAVEMENT REPLACEMENTS SHALL BE MADE TO MAG STANDARD DETAILS.
- ALL WATER SERVICE CONNECTIONS SHALL BE EXTENDED A SUFFICIENT DISTANCE ACROSS RIGHT-OF-WAY TO CLEAR ALL FACILITIES TO BE INSTALLED IN PUBLIC UTILITY EASEMENTS PARALLELING STREET RIGHT-OF-WAY.
- FIRE HYDRANT PUMPER CONNECTION COVERS SHALL BE PAINTED IN ACCORDANCE CITY STANDARDS.

ZONING

RESIDENTIAL - P.A.D.

OWNER/ DEVELOPER

MARWEST ENTERPRISES, L.L.C.
4801 EAST GREENWAY
SCOTTSDALE, ARIZONA 85254
(602) 996-6955

ENGINEERING COMPANY

HOK ENGINEERING, INC.
3221 N. 24TH STREET
PHOENIX, ARIZONA 85016
(602) 956-3200

CITY OF GOODYEAR GENERAL NOTES FOR SEWER MAIN CONSTRUCTION

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT MAG SPECIFICATION AND STANDARD DETAILS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- CITY (932-1637) INSPECTORS SHALL BE NOTIFIED 24 HOURS PRIOR TO STARTING EACH PHASE OF CONSTRUCTION AND EACH INSPECTION REQUESTED. ALL WORK OCCURRING IN COUNTY ROW, CONTRACTOR SHALL NOTIFY THE PERMITS SECTION OF THE MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- ANY WORK PERFORMED WITHOUT APPROVAL OF THE CITY, AND ANY WORK/MATERIAL NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR WILL EXPOSE ANY LINES BEING TIED INTO TO VERIFY LOCATION.
- CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED (BLUE STAKE - 263-1100) AND SHALL ELIMINATE ALL CONFLICTS PRIOR TO CONSTRUCTION.
- CITY IS NOT LIABLE FOR DELAYS NOR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL CITY PARTICIPATE IN THE COST OF UTILITY CONSTRUCTION NOR RELOCATION.
- AS-BUILT DRAWINGS (ONE SET MYLARS AND TWO SETS OF PRINTS), CERTIFIED BY THE SUBDIVIDER'S ENGINEER, SHALL BE SUBMITTED TO AND ACCEPTED BY THE CITY BEFORE FINAL ACCEPTANCE OF THE WORK.
- BACKFILLING SHALL NOT BE DONE UNTIL LINES ARE INSPECTED AND APPROVED BY THE CITY.
- PAVEMENT REPLACEMENTS SHALL BE MADE TO MAG STD. DETAILS.
- PVC SEWER PIPE MAY BE USED AS AN ALTERNATIVE FOR VITRIFIED CLAY SEWER PIPE IN ACCORDANCE WITH MAG SPECIFICATION SECTION 745 FOR SIZES THROUGH 15-INCH WITH THE FOLLOWING ADDITION: 745.8 INSTALLATION AND TESTING: INSTALLATION MUST ALSO COMPLY WITH STANDARD SPECIFICATION (ASTM D 2321) SHORT TERM DEFLECTION TESTING SHALL BE PERFORMED ON THE TOTAL FOOTAGE, AFTER COMPLETE BACKFILL AND COMPACTION, BUT PRIOR TO THE INSTALLATION OF FINISH SURFACE MATERIAL. ADDITIONAL TESTING MAY BE REQUIRED. A SHORT TERM DEFLECTION IN EXCESS OF 5 PERCENT SHALL BE CONSIDERED UNSERVICEABLE AND SHALL BE REPAIRED OR REPLACED AND RETESTED.
- A VISUAL INSPECTION OF THE INTERIOR OF THE SEWER LINE USING A TELEVISION CAMERA WILL BE PERFORMED ON THE TOTAL FOOTAGE OF ALL SEWER LINES, AFTER COMPLETE BACKFILL AND COMPACTION, BUT PRIOR TO THE INSTALLATION OF FINISH SURFACE MATERIAL. ANY PORTION CONSIDERED UNSERVICEABLE BY CITY SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO CITY AND RETESTED. A VCR TAPE OF THE SEWER LINE AND REPORT OF OBSERVATIONS SHALL BE PROVIDED TO CITY FOR INSPECTION AND PERMANENT RECORD. ALL EXPENSES FOR VISUAL INSPECTION USING TELEVISION CAMERA IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL MANHOLE RINGS AND LIDS TO BE CAST IRON, LIDS TO BE IMPRINTED "CITY OF GOODYEAR SANITARY SEWER".
- ALL TAPS SHALL BE WYE TYPE.
- SEWER TAPS SHOULD BE MIN. 4.5' DEEP AT PROPERTY LINE.
- ALL SEWER SERVICE CONNECTIONS SHALL BE EXTENDED A SUFFICIENT DISTANCE ACROSS RIGHT-OF-WAY TO CLEAR ALL FACILITIES TO BE INSTALLED IN PUBLIC UTILITY EASEMENTS PARALLELING THE RIGHT-OF-WAY.

BENCHMARK

FOUND BRASS CAP IN HOLE AT INTERSECTION OF ESTRELLA PKWY. (REMS RD.) AND VAN BUREN STREET
ELEVATION: 989.48
PER THE CITY OF GOODYEAR DATUM

FOUND 5/8" REBAR AT INTERSECTION OF BULLARD AVENUE AND VAN BUREN STREET
ELEVATION: 987.75
PER THE CITY OF GOODYEAR DATUM

BASIS OF BEARING

THE SOUTH LINE OF SECTION 5, T1N, R1W
OF THE GILA AND SALT RIVER BASE AND MERIDIAN
BEARING S89°50'00"E

ENGINEERS NOTES

- MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARDS SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION INCLUDING LATEST REVISION AND CURRENT SUPPLEMENTALS THEREOF PER THE LOCAL TOWN OR CITY) ARE INCORPORATED INTO THESE PLANS IN THEIR ENTIRETY.
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THESE PLANS SHALL BE IN ACCORDANCE WITH THE MAG STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE CITY OF GOODYEAR UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS, AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THESE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY USED DURING CONSTRUCTION UNLESS SPECIFICALLY ADDRESSED.
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THESE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THESE PLANS.
- THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE SUBJECT TO ERROR AND OMISSION. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THESE PLANS.
- A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CALL FOR BLUE STAKE (263-1100) PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
- ALL GRADING, EXCAVATION, PAVING, TRENCHING, PIPE BEDDING, AND BACK FILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE SOILS (GEO-TECHNICAL) REPORT FOR THE PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. SOILS REPORT AND PAVEMENT DESIGN WERE PREPARED BY FOREE AND VANN, INC. ORIGINAL REPORT DATED MARCH 14, 1997.
- THE CONTRACTOR IS TO VERIFY THE LOCATIONS AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AGENT.

LEGEND

| | | | |
|-------|--------------------------------------------|--|---------------------------------|
| DE | DRAINAGE EASEMENT | | LIMITS OF CONSTRUCTION |
| E/P | EDGE OF PAVEMENT | | VERTICAL CURB AND GUTTER |
| ESMT. | EASEMENT | | ROLLED CURB AND GUTTER |
| HWE | HIGH WATER ELEVATION | | SANITARY SEWER PIPE AND MANHOLE |
| INT. | INTERSECTION | | WATER VALVE |
| NAOS | NATURAL AREA OPEN SPACE | | RIP-RAP |
| PT | POINT OF TANGENCY | | EXISTING SIGN |
| PC | POINT OF CURVATURE | | PROPOSED SIGN |
| PRC | POINT OF REVERSE CURVATURE | | GRADE BREAK |
| SHLDR | SHOULDER | | STORM DRAIN PIPE |
| T.O.B | TOP OF BERM | | POTABLE WATER CONSTRUCTION NOTE |
| TAE | TEMPORARY ACCESS EASEMENT | | SEWER CONSTRUCTION NOTE |
| TL | TRUE LENGTH | | EX. SEWER |
| WSE | WATER SURFACE ELEVATION | | EX. GAS |
| | SUBDIVISION BOUNDARY FOUND OR SET AS NOTED | | EX. WATER |
| | EASEMENTS AS NOTED | | FIRE HYDRANT |
| | EXISTING RIGHT OF WAY | | PROPOSED SEWER |
| | ROADWAY CENTERLINE | | PROPOSED WATER |
| | PROPOSED RIGHT OF WAY | | EX. POWER POLE |
| | PROPOSED PUBLIC UTILITY EASEMENT | | EX. UTILITY POLE |
| | PAVEMENT | | |
| | CONCRETE | | |
| | ABC | | |
| | EXISTING PAVEMENT | | |
| | EXISTING PAVEMENT TO BE REMOVED | | |

VICINITY MAP

1" = 1 mile

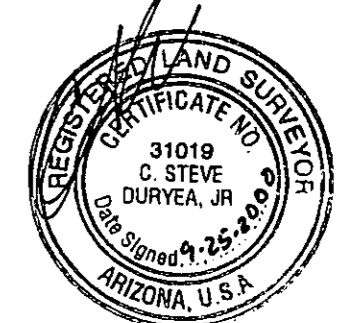
I HEREBY CERTIFY THAT THIS DESIGN IS BASED ON ACCURATE FIELD DATA WHICH HAS BEEN CHECKED IN THE FIELD PRIOR TO FIELD SUBMISSION FOR CITY APPROVAL.

BY: DATE: 7/8/99

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THIS "AS-BUILT" INFORMATION SHOWN HEREON WAS OBTAINED BY MYSELF OR UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR (seal)
RLS 31019
REGISTRATION NUMBER
DATE: 9-25-2000



"AS BUILT" CHKD.

DATE: 10-4-2000
BY:

COUNTY APPROVAL

Checked by: DATE: 7/26/99
MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT
990177, 990778, 990779

| CITY OF GOODYEAR REVIEW AND RECOMMENDED APPROVAL BY: | | | |
|---------------------------------------------------------|--|-----------------------------|--|
| FIRE DEPT. | | GRADING & DRAINAGE | |
| LANDSCAPING & PLANNING | | WATER & SEWER | |
| TRAFFIC | | PAVING | |
| APPROVED BY: | | DATE: 7/30/99 | |
| | | PROJECT REVIEW SR. ENGINEER | |

CALL TWO WORKING DAYS BEFORE YOU DIG
263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

SHEET INDEX

| | |
|-------|-------------------------------|
| 1 | TITLE |
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| 3 | QUANTITIES & DETAILS |
| 4-14 | OFF-SITE WATER PLANS |
| 15-38 | ON-SITE WATER AND SEWER PLANS |

2000-062-C2-001

RANCHO MIRAGE
Hook Engineering, Inc.
3221 N. 24th Street PHOENIX, AZ 85016
Tel: (602) 956-3200 Fax: (602) 955-5443

WATER AND SEWER PLANS

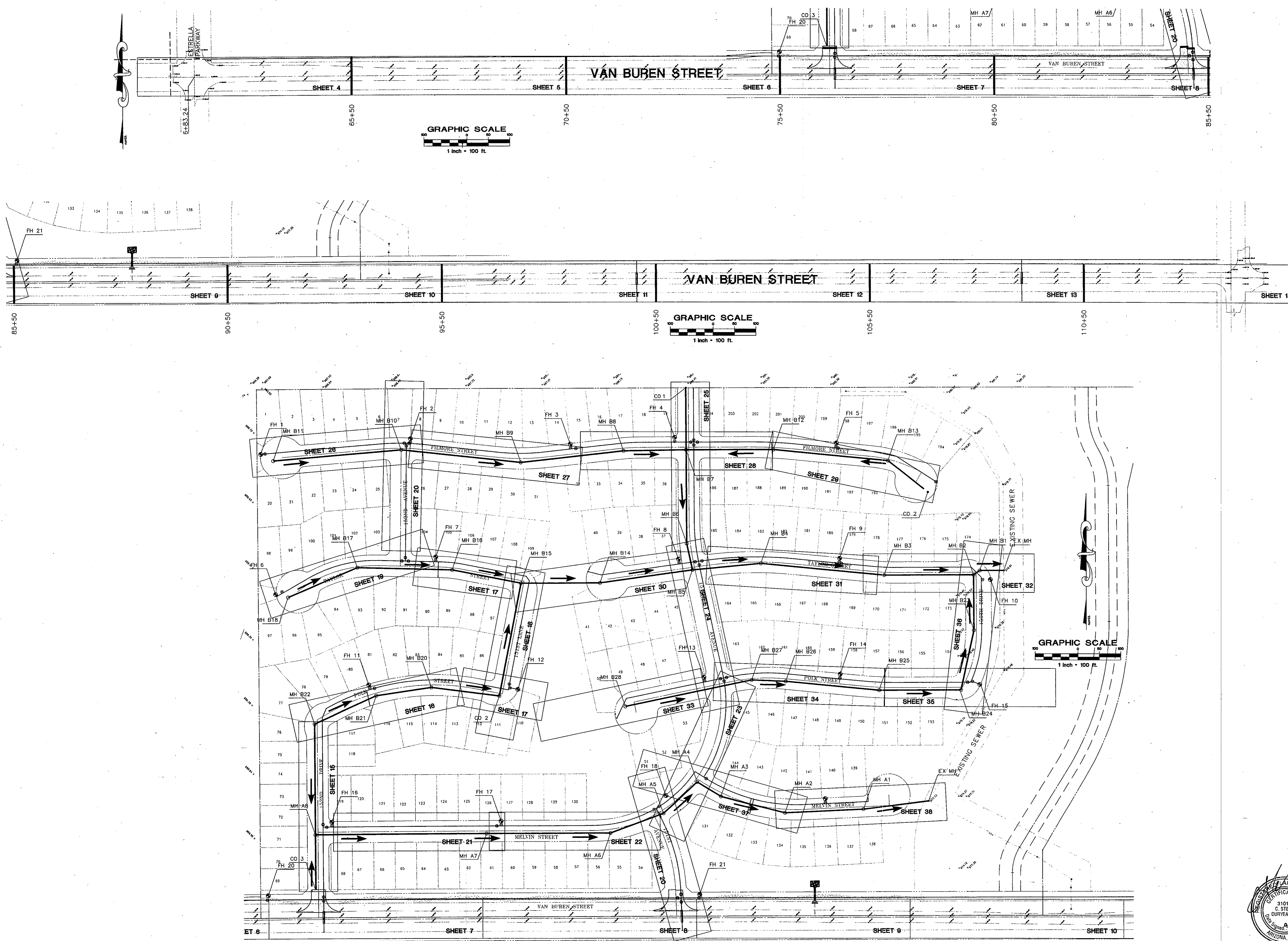
| | |
|------------------|-----------------|
| Designed by: JDB | Checked by: SDM |
| Drawn by: DDD/RJ | Date: 07/08/99 |
| Scale: 1"=20' | Vertical Scale: |



JOB NUMBER
3735A
SHEET

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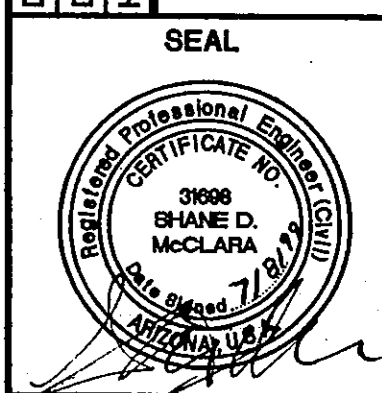
H.T.E. 98-1776



RANCHO MIRAGE
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax: (602) 955-5443

WATER AND SEWER PLANS
KEY MAP

| Designed by | Checked by | SDM | Revisions | Date | By |
|-------------|--------------|-------------|-----------|------|----|
| JDJ | DDJ/RJ | 07/08/99 | | | |
| Drawn by | Horiz. Scale | Vert. Scale | | | |
| DDJ/RJ | 1"=100' | 1"=100' | | | |



JOB NUMBER
3735A

SHEET
2 OF 38



LINE TABLE

| No. | Bearing | Distance |
|------|-------------|----------|
| L1 | S58°48'30"E | 18.00 |
| L2 | N85°16'55"E | 5.54 |
| L3 | S84°00'55"E | 7.84 |
| L4 | N83°34'54"E | 14.58 |
| L5 | N83°34'54"E | 10.46 |
| L6 | S87°48'19"W | 13.48 |
| L7 | S87°48'19"W | 17.64 |
| L8 | S83°34'54"W | 21.70 |
| L9 | S83°34'54"W | 24.72 |
| L10 | N83°36'18"W | 5.64 |
| L11 | N83°36'18"W | 16.26 |
| L12 | N83°36'18"W | 21.85 |
| L13 | N83°36'18"W | 19.30 |
| L14 | N83°36'18"W | 10.36 |
| L15 | S88°30'08"E | 14.59 |
| L16 | S79°01'57"E | 20.20 |
| L17 | N59°08'32"E | 18.00 |
| L18 | S62°15'33"W | 9.03 |
| L19 | N62°15'33"E | 9.60 |
| L20 | S58°15'28"W | 18.00 |
| L21 | N36°48'56"E | 18.00 |
| L22 | S79°51'14"W | 25.27 |
| L23 | N66°09'14"E | 6.56 |
| L24 | S79°26'52"W | 8.33 |
| L25 | N88°30'08"W | 17.97 |
| L26 | N88°30'08"W | 22.83 |
| L27 | N88°30'08"W | 11.44 |
| L28 | S89°50'00"W | 5.00 |
| L29 | N44°46'45"E | 2.83 |
| L30 | S89°50'00"W | 5.00 |
| L31 | N77°37'55"W | 18.85 |
| L32 | N89°43'29"E | 4.03 |
| L33 | N35°14'47"W | 23.85 |
| L34 | S89°44'05"W | 13.62 |
| L35 | S25°08'07"E | 9.82 |
| L36 | S87°13'26"W | 19.46 |
| L37 | N89°43'29"E | 7.96 |
| L38 | N84°30'00"W | 0.69 |
| L39 | N84°30'00"W | 20.63 |
| L40 | S89°43'29"W | 3.43 |
| L41 | S84°30'00"E | 19.21 |
| L42 | S84°30'00"E | 11.11 |
| L43 | N86°13'17"W | 21.42 |
| L44 | S84°30'00"E | 24.42 |
| L45 | N84°30'00"W | 12.42 |
| L46 | N87°26'08"W | 14.28 |
| L47 | N84°30'00"W | 6.72 |
| L48 | N84°30'00"W | 14.54 |
| L49 | S84°30'00"E | 28.99 |
| L50 | S84°30'00"E | 4.27 |
| L51 | N89°52'44"E | 0.79 |
| L52 | N89°52'44"E | 4.74 |
| L53 | S88°31'30"E | 10.81 |
| L54 | S85°32'47"E | 16.60 |
| L55 | S84°30'00"E | 16.59 |
| L56 | S84°30'00"E | 16.59 |
| L57 | N87°13'49"W | 16.39 |
| L58 | S89°50'00"W | 12.98 |
| L59 | N84°30'00"E | 5.99 |
| L60 | N84°30'00"W | 11.81 |
| L61 | S84°30'00"E | 28.94 |
| L62 | N00°07'32"W | 20.01 |
| L63 | N89°50'00"E | 13.08 |
| L64 | N82°03'25"E | 18.19 |
| L65 | S82°03'25"W | 21.26 |
| L66 | S16°45'00"W | 27.37 |
| L67 | S63°35'27"W | 42.85 |
| L68 | S79°03'25"W | 17.34 |
| L69 | N78°03'25"W | 20.00 |
| L70 | S41°17'22"E | 27.42 |
| L71 | N89°43'29"E | 36.56 |
| L72 | N88°30'08"W | 13.92 |
| L73 | N88°30'08"W | 60.48 |
| L74 | N79°01'57"W | 27.06 |
| L75 | N79°01'57"W | 18.66 |
| L76 | S61°01'17"W | 14.94 |
| L77 | S44°46'45"E | 16.95 |
| L78 | N45°13'15"W | 16.99 |
| L79 | N43°18'30"E | 16.51 |
| L80 | S46°30'44"E | 17.36 |
| L81 | N29°36'04"E | 25.00 |
| L82 | S82°03'25"W | 25.06 |
| L83 | S11°56'35"E | 25.00 |
| L84 | N78°03'25"E | 25.04 |
| L85 | S58°01'43"E | 25.06 |
| L86 | N02°46'34"W | 25.00 |
| L87 | S25°51'15"E | 25.02 |
| L88 | S61°01'17"W | 36.87 |
| L89 | N79°01'57"W | 64.06 |
| L90 | N11°56'35"W | 6.38 |
| L91 | S44°46'45"W | 14.13 |
| L92 | N89°44'05"E | 15.68 |
| L93 | S00°16'31"E | 20.14 |
| L94 | N00°16'31"W | 9.58 |
| L95 | N89°43'29"E | 11.05 |
| L96 | N87°13'26"E | 20.59 |
| L97 | S00°16'31"E | 28.18 |
| L98 | S83°34'54"W | 46.80 |
| L99 | S85°16'55"W | 38.16 |
| L100 | S85°16'55"W | 50.00 |
| L101 | S85°16'55"W | 50.00 |
| L102 | S85°16'55"W | 44.24 |
| L103 | N84°00'55"W | 45.24 |
| L104 | N84°00'55"W | 50.00 |
| L105 | N84°00'55"W | 50.00 |
| L106 | N84°00'55"W | 34.39 |
| L107 | S83°34'54"W | 50.00 |
| L108 | S83°34'54"W | 50.00 |
| L109 | S83°34'54"W | 28.24 |
| L110 | S89°50'00"W | 30.31 |
| L111 | S89°50'00"W | 43.00 |
| L112 | N88°30'08"W | 5.13 |
| L113 | N79°01'57"W | 15.22 |

CURVE TABLE

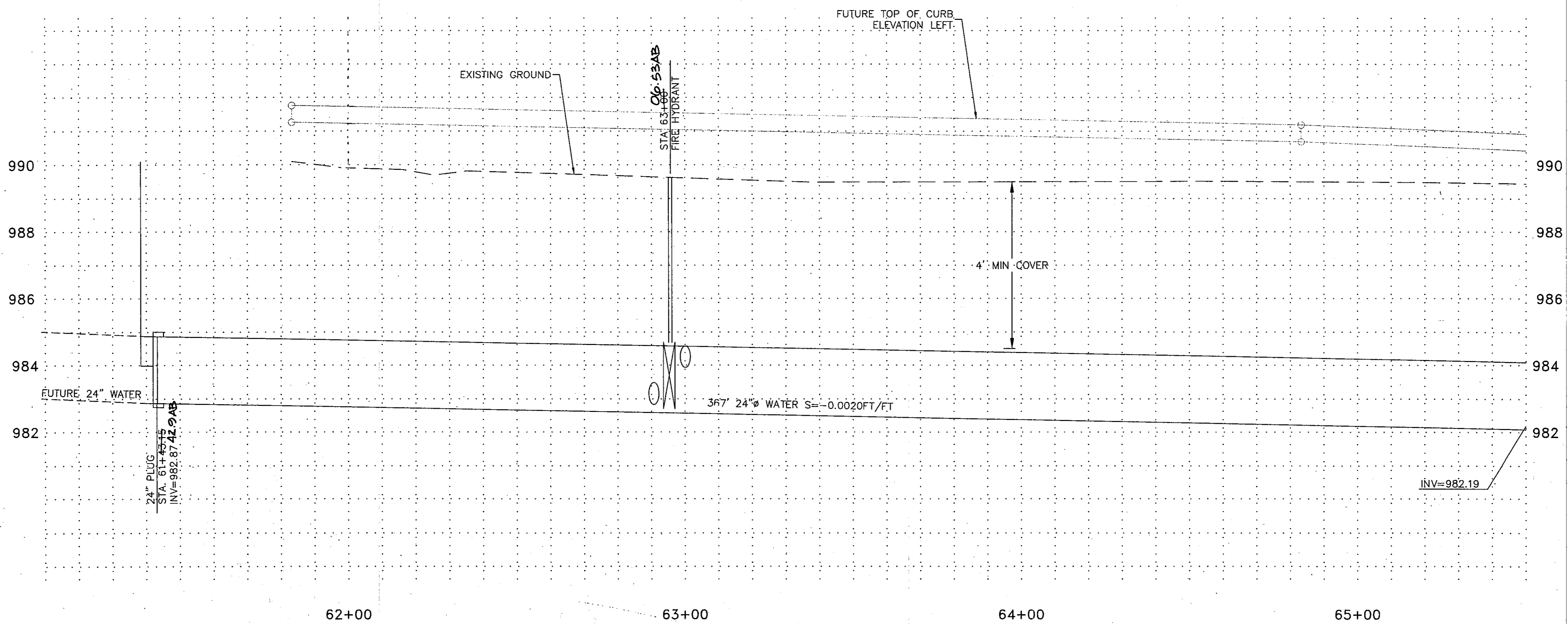
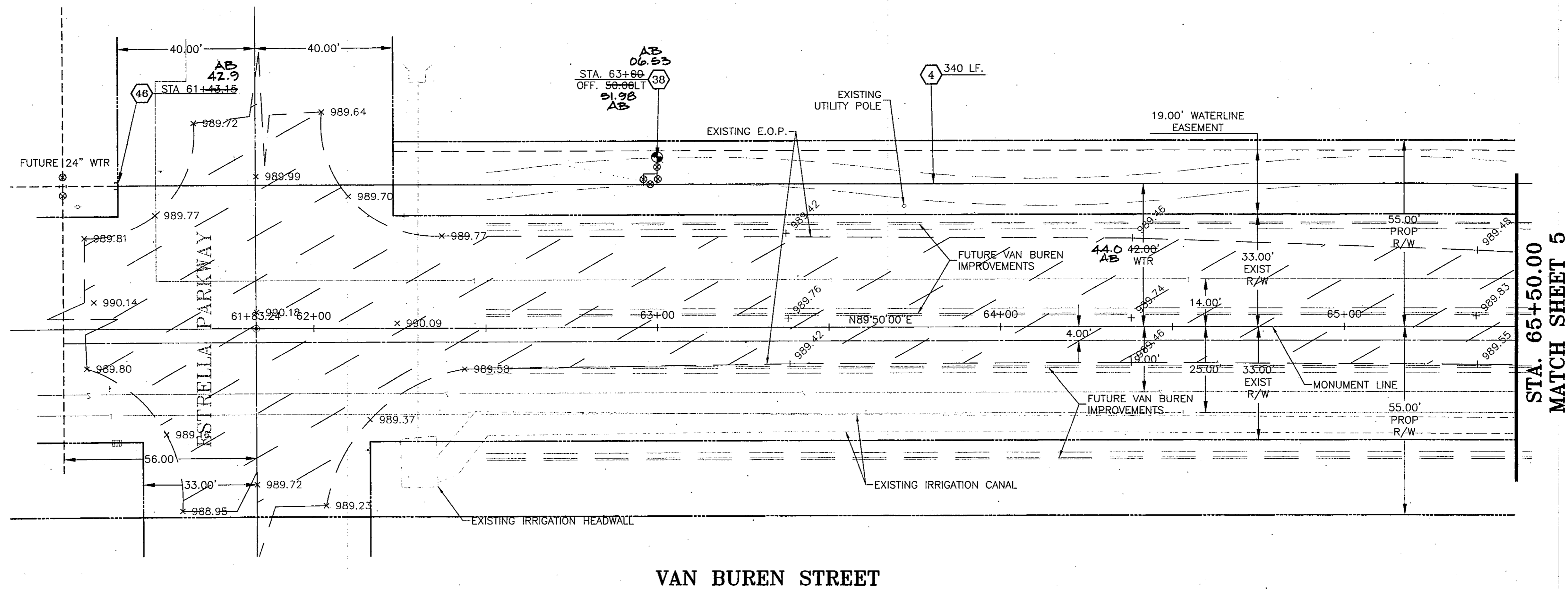
| No. | Radius | Delta | Length | Tangent |
|------|---------|------------|--------|---------|
| C1 | 530.00 | 09°16'34" | 85.81 | 43.00 |
| C2 | 470.00 | 09°30'22" | 77.98 | 39.08 |
| C3 | 275.00 | 09°28'11" | 45.45 | 22.78 |
| C4 | 325.00 | 06°03'48" | 34.39 | 17.21 |
| C5 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C6 | 475.00 | 07°23'21" | 61.26 | 30.67 |
| C7 | 55.00 | 33°54'18" | 32.55 | 16.77 |
| C8 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C9 | 12.00 | 35°41'44" | 7.48 | 3.86 |
| C10 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C11 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C12 | 475.00 | 08°21'01" | 69.23 | 34.67 |
| C13 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C14 | 55.00 | 37°48'33" | 36.29 | 18.84 |
| C15 | 525.00 | 00°59'57" | 9.16 | 4.58 |
| C16 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C17 | 55.00 | 34°09'26" | 32.79 | 16.90 |
| C18 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C19 | 475.00 | 09°07'05" | 75.59 | 37.88 |
| C20 | 475.00 | 07°32'40" | 62.55 | 31.32 |
| C21 | 475.00 | 07°32'40" | 62.55 | 31.32 |
| C22 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C23 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C24 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C25 | 325.00 | 08°51'00" | 50.20 | 25.15 |
| C26 | 275.00 | 15°55'15" | 76.41 | 38.45 |
| C27 | 50.00 | 61°23'55" | 53.58 | 29.69 |
| C28 | 50.00 | 34°22'39" | 30.00 | 15.47 |
| C29 | 325.00 | 09°04'13" | 51.45 | 25.78 |
| C30 | 325.00 | 06°48'24" | 38.42 | 19.23 |
| C31 | 12.00 | 53°47'35" | 11.27 | 6.09 |
| C32 | 50.00 | 05°16'12" | 4.60 | 2.30 |
| C33 | 50.00 | 49°37'15" | 43.30 | 23.11 |
| C34 | 50.00 | 48°06'36" | 41.98 | 22.32 |
| C35 | 50.00 | 34°22'39" | 30.00 | 15.47 |
| C36 | 50.00 | 24°34'01" | 21.44 | 10.89 |
| C37 | 12.00 | 54°54'56" | 11.50 | 6.24 |
| C38 | 275.00 | 10°18'39" | 49.49 | 24.81 |
| C39 | 275.00 | 02°08'17" | 10.39 | 5.14 |
| C40 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C41 | 325.00 | 04°51'55" | 27.60 | 13.81 |
| C42 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C43 | 330.00 | 17°33'24" | 101.12 | 50.96 |
| C44 | 50.00 | 48°36'48" | 42.42 | 22.58 |
| C45 | 12.00 | 32°45'21" | 6.86 | 3.53 |
| C46 | 50.00 | 64°02'46" | 55.89 | 31.27 |
| C47 | 325.00 | 06°11'53" | 35.16 | 17.60 |
| C48 | 325.00 | 08°59'12" | 50.97 | 25.54 |
| C49 | 325.00 | 06°59'40" | 36.48 | 18.25 |
| C50 | 425.00 | 06°51'24" | 50.86 | 25.46 |
| C51 | 370.00 | 03°52'58" | 25.07 | 12.54 |
| C52 | 425.00 | 04°20'01" | 32.15 | 16.08 |
| C53 | 425.00 | 06°50'48" | 50.79 | 25.42 |
| C54 | 425.00 | 06°51'40" | 50.89 | 25.48 |
| C55 | 375.00 | 10°51'04" | 71.02 | 35.62 |
| C56 | 425.00 | 06°51'24" | 50.86 | 25.46 |
| C57 | 12.00 | 35°41'17" | 7.42 | 3.86 |
| C58 | 375.00 | 08°49'39" | 57.42 | 28.94 |
| C59 | 330.00 | 17°32'47" | 101.06 | 50.93 |
| C60 | 375.00 | 02°16'46" | 14.92 | 7.46 |
| C61 | 375.00 | 10°51'04" | 71.02 | 35.62 |
| C62 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C63 | 55.00 | 29°30'30" | 28.33 | 14.48 |
| C64 | 55.00 | 38°58'51" | 37.42 | 19.47 |
| C65 | 55.00 | 36°00'32" | 34.57 | 17.88 |
| C66 | 12.00 | 54°18'53" | 11.38 | 6.16 |
| C67 | 525.00 | 04°05'58" | 42.71 | 21.11 |
| C68 | 525.00 | 05°16'20" | 48.31 | 24.17 |
| C69 | 50.00 | 49°56'30" | 43.58 | 23.28 |
| C70 | 50.00 | 28°06'56" | 24.54 | 12.52 |
| C71 | 12.00 | 53°28'54" | 11.20 | 6.05 |
| C72 | 55.00 | 43°35'17" | 41.84 | 21.99 |
| C73 | 55.00 | 26°51'44" | 25.79 | 13.13 |
| C74 | 12.00 | 53°28'54" | 11.20 | 6.05 |
| C75 | 325.00 | 03°24'23" | 19.32 | 9.68 |
| C76 | 50.00 | 30°34'55" | 26.69 | 13.67 |
| C77 | 12.00 | 53°21'39" | 11.18 | 6.03 |
| C78 | 12.00 | 53°21'39" | 11.18 | 6.03 |
| C79 | 50.00 | 35°58'46" | 31.40 | 16.24 |
| C80 | 50.00 | 66°57'28" | 58.43 | 33.07 |
| C81 | 50.00 | 47°09'23" | 41.15 | 21.82 |
| C82 | 50.00 | 47°09'23" | 41.15 | 21.82 |
| C83 | 408.90 | 06°44'00" | 48.05 | 24.05 |
| C84 | 458.90 | 03°24'23" | 44.06 | 22.05 |
| C85 | 12.00 | 28°16'42" | 5.92 | 3.02 |
| C86 | 12.00 | 34°09'54" | 7.16 | 3.69 |
| C87 | 12.00 | 35°41'07" | 7.47 | 3.86 |
| C88 | 12.00 | 55°04'49" | 11.54 | 6.26 |
| C89 | 458.90 | 06°21'39" | 50.95 | 25.50 |
| C90 | 408.90 | 09°33'29" | 68.21 | 34.19 |
| C91 | 458.90 | 04°03'40" | 32.53 | 16.27 |
| C92 | 840.75 | 04°19'45" | 63.52 | 31.78 |
| C93 | 890.75 | 03°00'26" | 51.84 | 25.98 |
| C94 | 12.00 | 40°41'48" | 8.92 | 4.48 |
| C95 | 840.75 | 04°11'43" | 61.56 | 30.80 |
| C96 | 12.00 | 31°41'07" | 6.64 | 3.41 |
| C97 | 12.00 | 36°39'36" | 7.68 | 3.98 |
| C98 | 890.75 | 03°02'07" | 47.19 | 23.60 |
| C99 | 12.00 | 33°53'54" | 7.10 | 3.66 |
| C100 | 890.75 | 03°20'26" | 51.94 | 25.98 |
| C101 | 890.75 | 03°04'22" | 47.77 | 23.89 |
| C102 | 840.75 | 03°54'26" | 67.33 | 28.68 |
| C103 | 50.00 | 47°17'36" | 41.27 | 21.89 |
| C104 | 50.00 | 60°09'27" | 52.50 | 28.96 |
| C105 | 50.00 | 63°17'44" | 55.24 | 30.82 |
| C106 | 50.00 | 48°58'38" | 42.74 | 22.77 |
| C107 | 50.00 | 04°03'50" | 3.55 | 1.77 |
| C108 | 50.00 | 68°07'25" | 59.45 | 33.80 |
| C109 | 50.00 | 58°53'23" | 51.39 | 28.23 |
| C110 | 50.00 | 209°05'22" | 182.47 | 192.71 |
| C111 | 275.00 | 01°22'45" | 6.82 | 3.31 |
| C112 | 55.00 | 59°01'59" | 56.67 | 31.14 |
| C113 | 55.00 | 53°14'33" | 51.11 | 27.57 |
| C114 | 525.00 | 02°26'31" | 22.38 | 11.19 |
| C115 | 525.00 | 02°58'40" | 27.29 | 13.65 |
| C116 | 525.00 | 05°17'00" | 48.41 | 24.22 |
| C117 | 525.00 | 01°38'51" | 15.09 | 7.55 |
| C118 | 525.00 | 05°16'40" | 48.36 | 24.20 |
| C119 | 525.00 | 05°16'40" | 48.36 | 24.20 |
| C120 | 475.00 | 05°37'46" | 46.67 | 23.35 |
| C121 | 475.00 | 06°46'25" | 56.16 | 28.11 |
| C122 | 475.00 | 03°16'57" | 27.21 | 13.61 |
| C123 | 475.00 | 02°58'09" | 24.62 | 12.31 |
| C124 | 525.00 | 02°04'39" | 19.04 | 9.52 |
| C125 | 525.00 | 04°10'27" | 38.25 | 19.13 |
| C126 | 12.00 | 35°41'07" | 7.47 | 3.86 |
| C127 | 12.00 | 35°41'07" | 7.47 | 3.86 |
| C128 | 975.00 | 02°35'39" | 44.14 | 22.08 |
| C129 | 975.00 | 03°04'21" | 52.29 | 26.15 |
| C130 | 12.00 | 35°41'07" | 7.47 | 3.86 |
| C131 | 12.00 | 35°41'07" | 7.47 | 3.86 |
| C132 | 1025.00 | 00°32'57" | 9.82 | 4.91 |
| C133 | 1025.00 | 02°11'56" | 39.34 | 19.67 |

CURVE TABLE (cont'd)

| | | | | |
|------|---------|-----------|--------|-------|
| C134 | 1025.00 | 02°55'08" | 52.22 | 26.11 |
| C135 | 12.00 | 53°21'19" | 11.17 | 6.03 |
| C136 | 745.00 | 01°17'18" | 16.75 | 8.38 |
| C137 | 795.00 | 02°16'53" | 31.66 | 15.83 |
| C138 | 795.00 | 03°29'58" | 48.48 | 24.25 |
| C139 | 745.00 | 04°29'13" | 58.34 | 29.19 |
| C140 | 12.00 | 25°29'05" | 5.34 | 2.71 |
| C141 | 262.29 | 23°03'04" | 105.52 | 53.48 |
| C142 | 525.00 | 01°08'19" | 10.43 | 5.22 |
| C143 | 475.00 | 02°08'36" | | |

WATER CONSTRUCTION NOTES

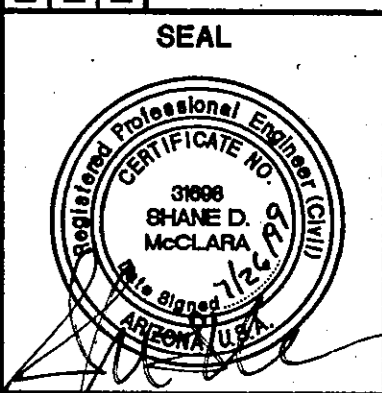
- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 4 INSTALL 24" WATER PIPE.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 11 INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 12 INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 24 INSTALL 24" X 8" FLG. S.O. TEE.
- 26 INSTALL 24" X 8" FLG. S.O. CROSS.
- 27 INSTALL 24" X 12" FLG. S.O. CROSS.
- 30 INSTALL 8" X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 37 INSTALL 24" X 16" REDUCER
- 38 INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- 39 INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 40 INSTALL 24" X 12" FLG. S.O. TEE
- 44 REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- 45 REMOVE EXISTING PLUG & CONNECT WATER LINE.
- 46 INSTALL 24" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".



RANCHO MIRAGE
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443

OFFSITE WATER PLANS

| | | | |
|--------------|---------|----------------|----------|
| Designed by | SDG/HPK | Checked by | SDM |
| Drawn by | DJD | Date | 07/08/99 |
| Horiz. Scale | 1"=40' | Vertical Scale | |

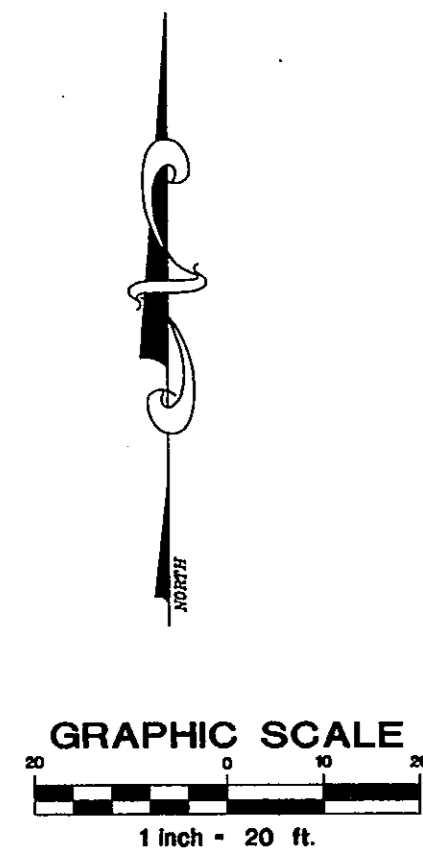


JOB NUMBER
3735A

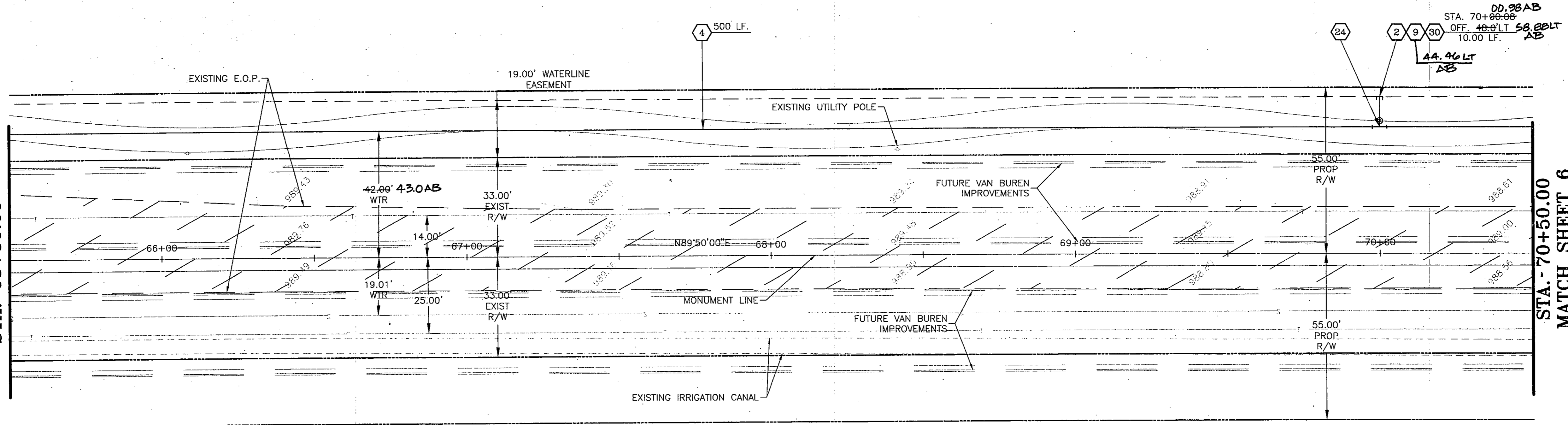
SHEET
4 OF 38



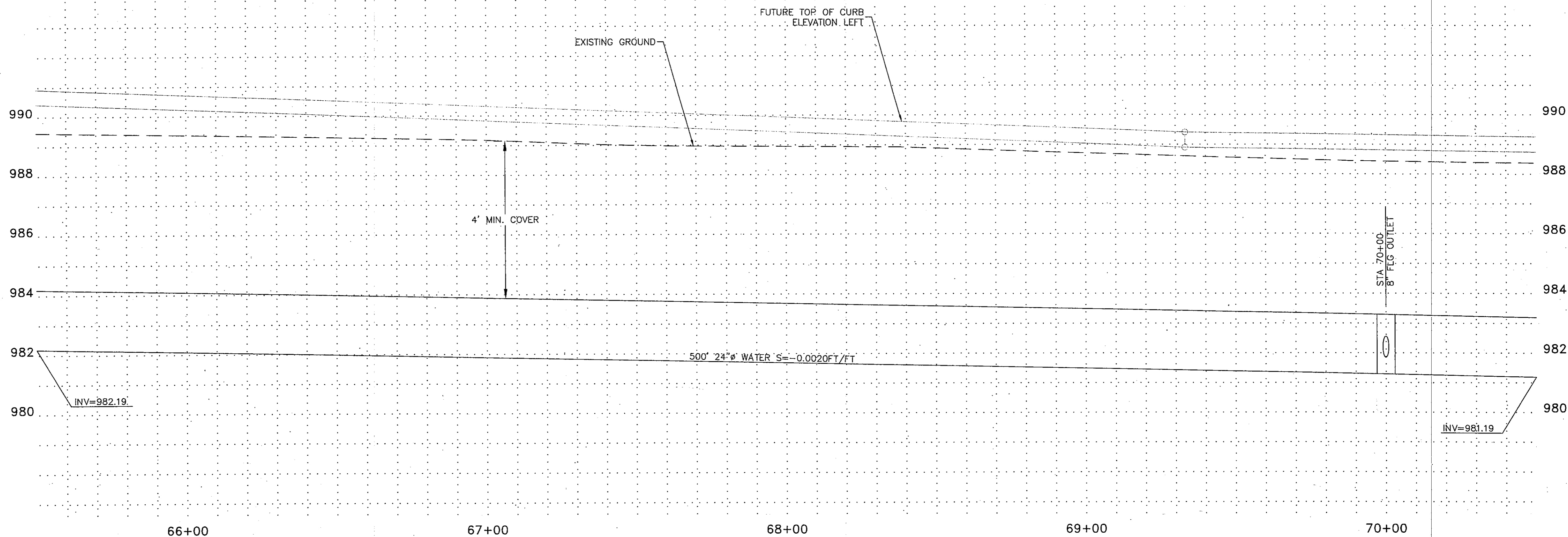
2000-062-C2-004



MATCH SHEET 4
STA. 65+50.00



VAN BUREN STREET



WATER CONSTRUCTION NOTES

- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 4 INSTALL 24" WATER PIPE.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 11 INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 12 INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 24 INSTALL 24" X 8" FLG. S.O. TEE.
- 26 INSTALL 24" X 8" FLG. S.O. CROSS.
- 27 INSTALL 24" X 12" FLG. S.O. CROSS.
- 30 INSTALL 8" X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 37 INSTALL 24" X 16" REDUCER
- 38 INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- 39 INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- 40 INSTALL 24" X 12" FLG. S.O. TEE
- 44 REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- 45 REMOVE EXISTING PLUG & CONNECT WATER LINE.

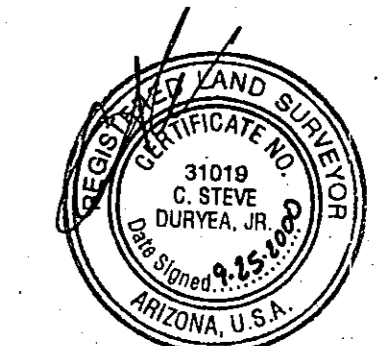
RANCHO MIRAGE
Hook Engineering, Inc.
3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443

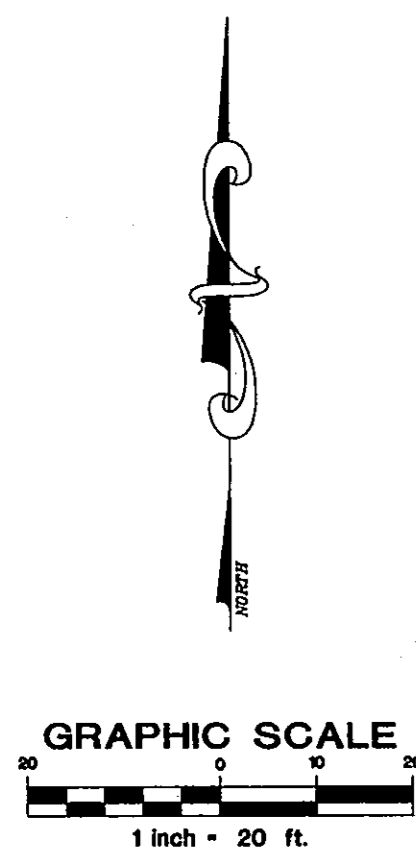
| By | Date | Revisions | Checked by | SDM | Date |
|----|------|-----------|------------|----------|------|
| | | | DD | 07/08/99 | |
| | | | DD | 07/08/99 | |

DESIGNED BY: SDG/HPK
DRAWN BY: DDD
HORIZ. SCALE: 1"=40'
VERTICAL SCALE:

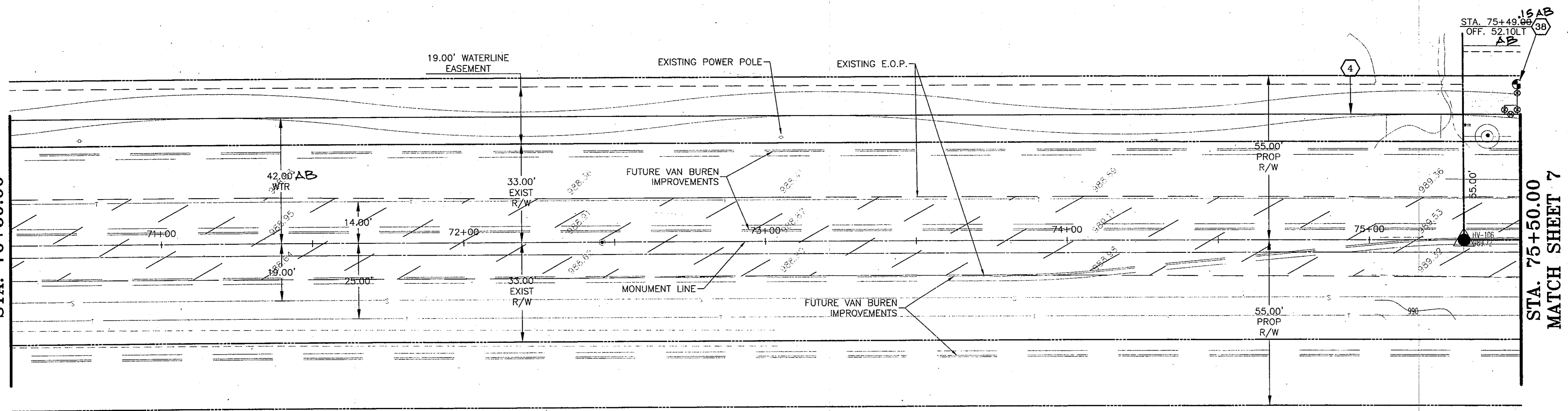
SEAL

 JOB NUMBER
3735A
 SHEET
5 OF 38





MATCH SHEET 5
STA. 70+50.00

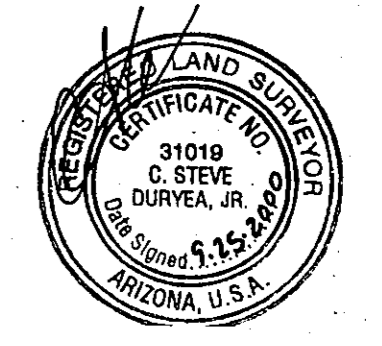
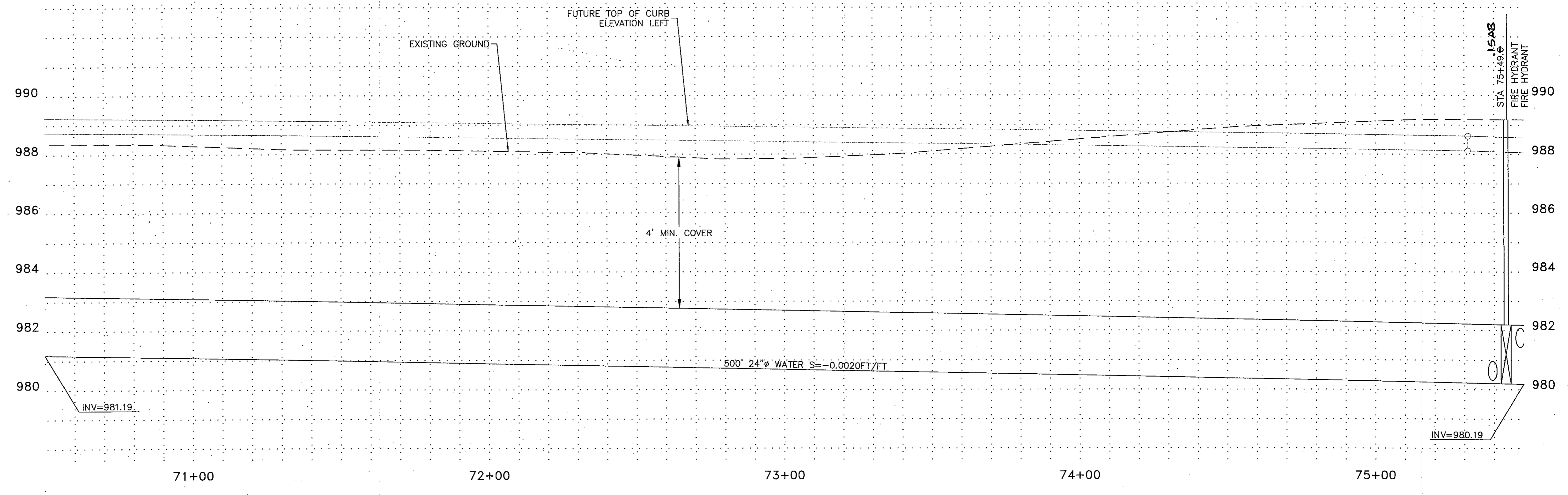


STA. 75+50.00
MATCH SHEET 7

VAN BUREN STREET

WATER CONSTRUCTION NOTES

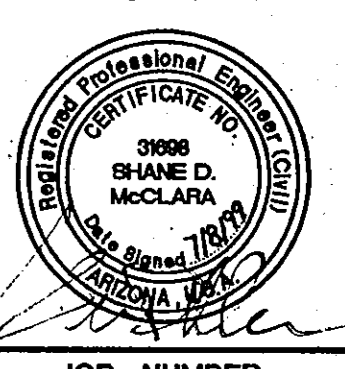
- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 4 INSTALL 24" WATER PIPE.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 11 INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 12 INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 24 INSTALL 24" x 8" FLG. S.O. TEE.
- 26 INSTALL 24" x 8" FLG. S.O. CROSS.
- 27 INSTALL 24" x 12" FLG. S.O. CROSS.
- 30 INSTALL 8" x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 37 INSTALL 24" x 16" REDUCER
- 38 INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- 39 INSTALL 12" PLUG x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- 40 INSTALL 24" x 12" FLG. S.O. TEE
- 44 REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- 45 REMOVE EXISTING PLUG & CONNECT WATER LINE.



| By | Date | Revisions |
|----|------|-----------|
| | | |

| | |
|----------------------|-----------------|
| Designed by: SDG/HPK | Checked by: SDM |
| Drawn by: DDD | Date: 07/08/99 |
| Horiz. Scale: 1"=40' | Vertical Scale: |

OFFSITE WATER PLANS

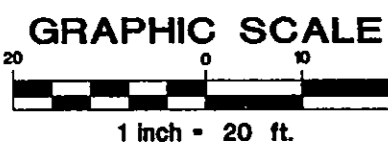


JOB NUMBER
3735A

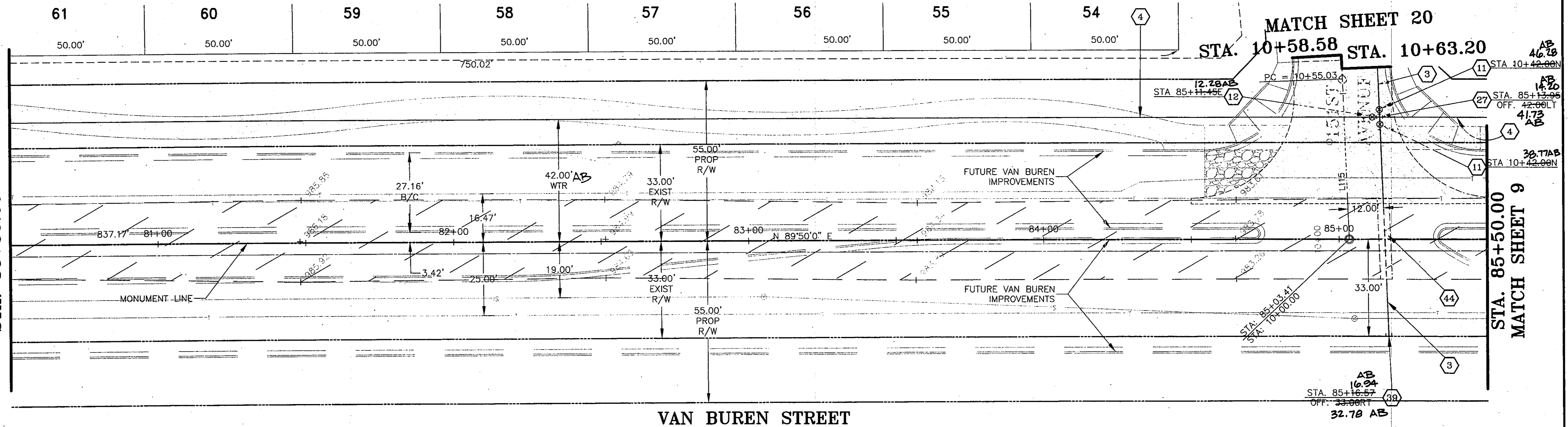
SHEET
6 OF 38

RANCHO MIRAGE

Hook Engineering, Inc.
3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443



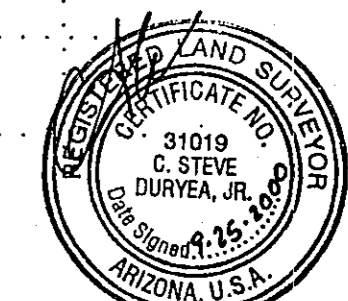
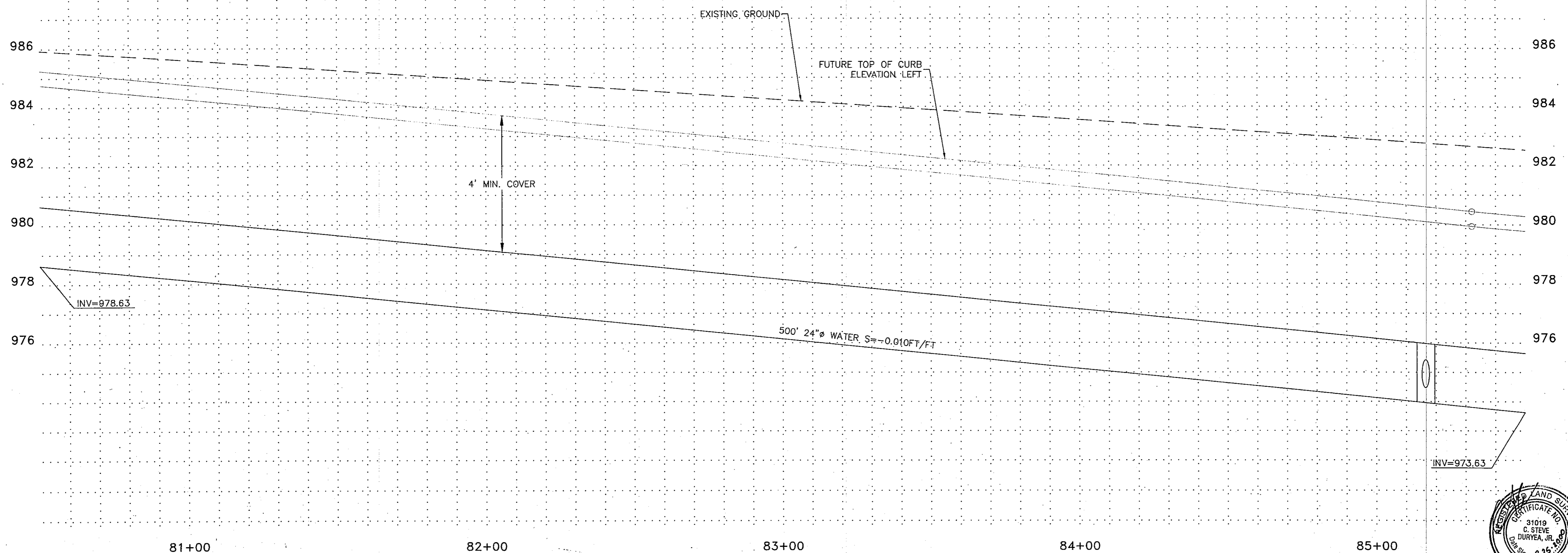
MATCH SHEET 7
STA. 80+50.00



VAN BUREN STREET

WATER CONSTRUCTION NOTES

- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 4 INSTALL 24" WATER PIPE.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 11 INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 12 INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 24 INSTALL 24" x 8" FLG. S.O. TEE.
- 26 INSTALL 24" x 8" FLG. S.O. CROSS.
- 27 INSTALL 24" x 12" FLG. S.O. CROSS.
- 30 INSTALL 8" x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 37 INSTALL 24" x 16" REDUCER
- 38 INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- 39 INSTALL 12" PLUG x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- 40 INSTALL 24" x 12" FLG. S.O. TEE
- 44 REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- 45 REMOVE EXISTING PLUG & CONNECT WATER LINE.



OFFSITE WATER PLANS

| | | |
|----------------------|-----------------|------------|
| Designed by: SDG/HPK | Checked by: SDM | By: |
| Drawn by: DDD | Date: 07/08/99 | Date: |
| Horiz. Scale: 1"=40' | Vertical Scale: | Revisions: |

SEAL

JOB NUMBER
3735A

SHEET
8 OF 38

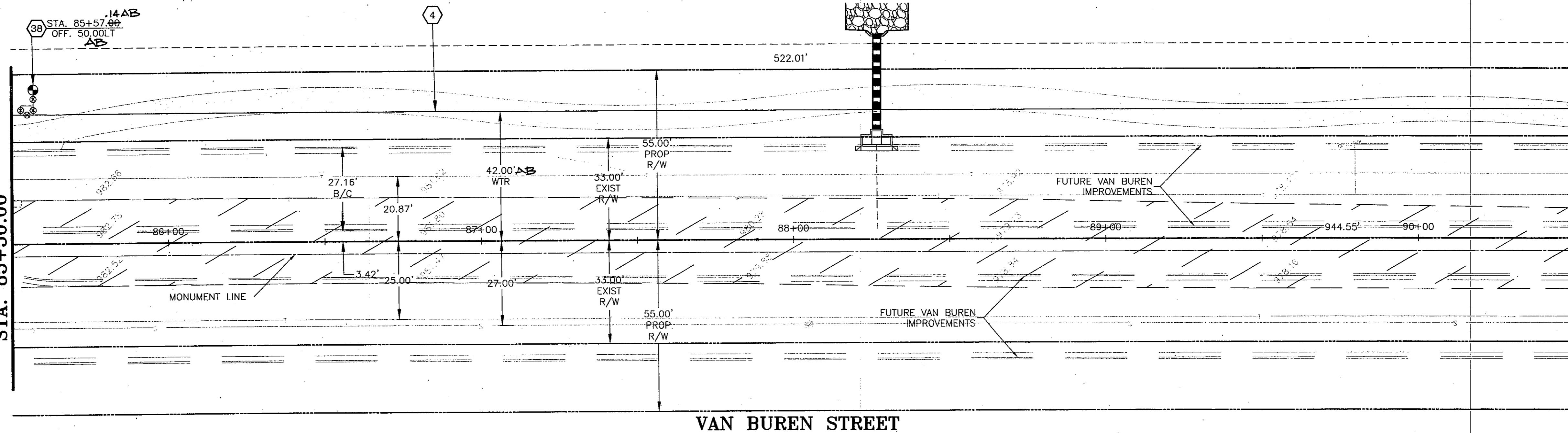
RANCHO MIRAGE

Hook Engineering, Inc.

3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443



MATCH SHEET 8
STA. 85+50.00

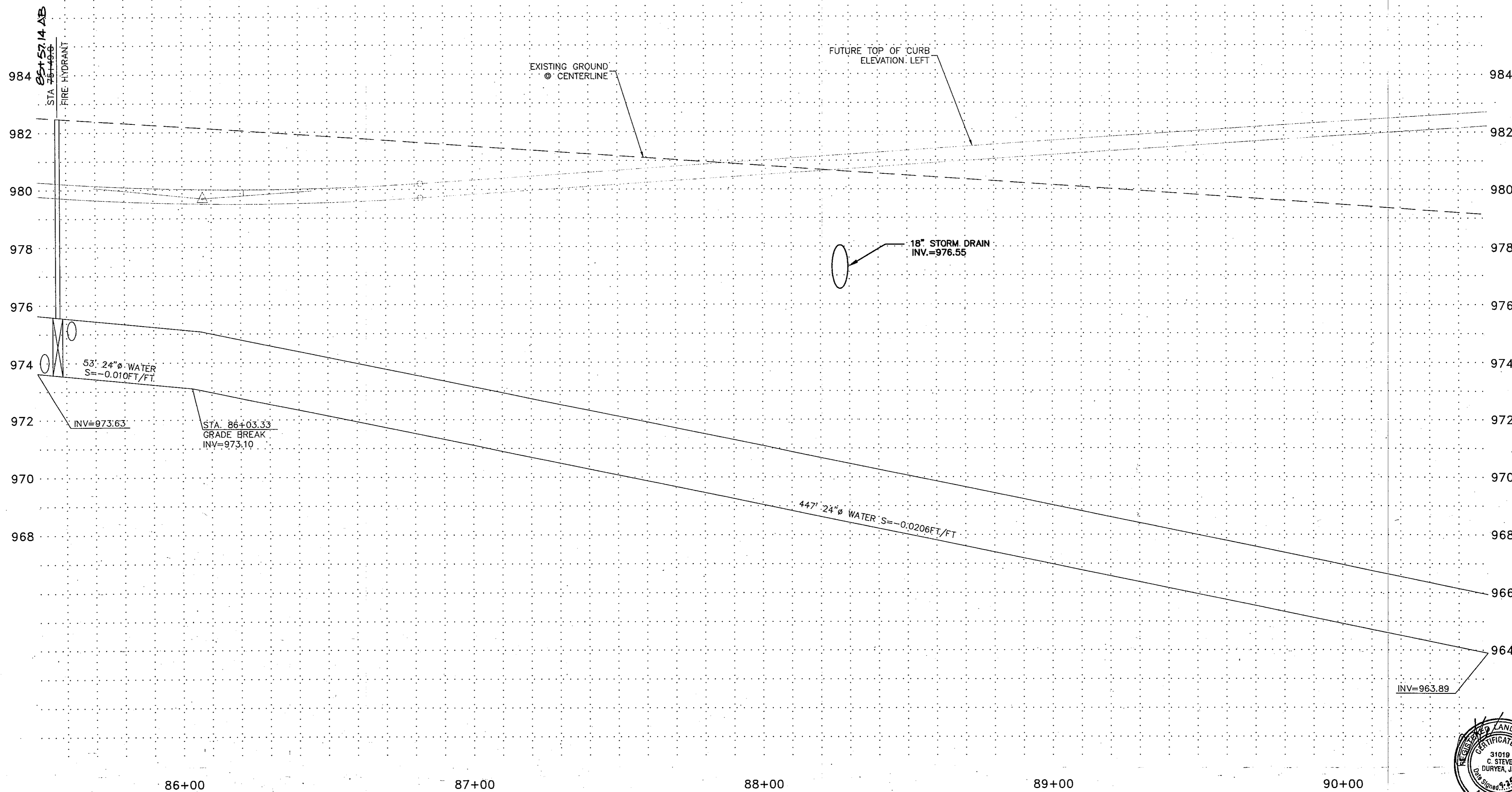


STA. 90+50.00
MATCH SHEET 10

VAN BUREN STREET

WATER CONSTRUCTION NOTES

- ① INSTALL 6" WATER PIPE.
- ② INSTALL 8" WATER PIPE.
- ③ INSTALL 12" WATER PIPE.
- ④ INSTALL 24" WATER PIPE.
- ⑦ INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑨ INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑪ INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑫ INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑳ INSTALL 24" X 8" FLG. S.O. TEE.
- ㉑ INSTALL 24" X 8" FLG. S.O. CROSS.
- ㉒ INSTALL 24" X 12" FLG. S.O. CROSS.
- ㉓ INSTALL 8" X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- ㉔ STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- ㉕ INSTALL 24" X 16" REDUCER
- ㉖ INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- ㉗ INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- ㉘ INSTALL 24" X 12" FLG. S.O. TEE
- ㉙ REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- ㉚ REMOVE EXISTING PLUG & CONNECT WATER LINE.



| By | Date | Revisions |
|----|------|-----------|
| | | |

Checked by: JJJ
Date: 07/08/99

Drawn by: DDD/RJ
Horiz. Scale: 1"=20'
Vertical Scale: 1"=20'

SEAL

JOB NUMBER
3735A

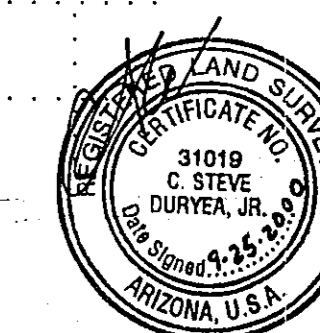
SHEET
9 OF 38

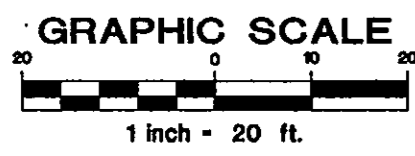
WATER AND SEWER PLANS

RANCHO MIRAGE

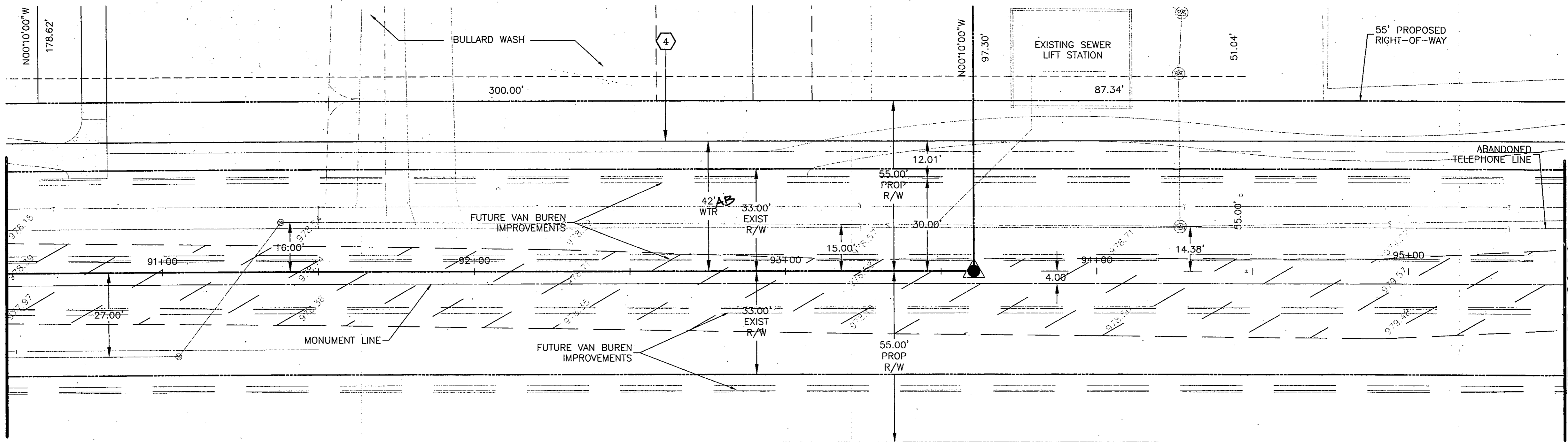
Hook Engineering, Inc.

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MATCH SHEET 9
STA. 90+50.00

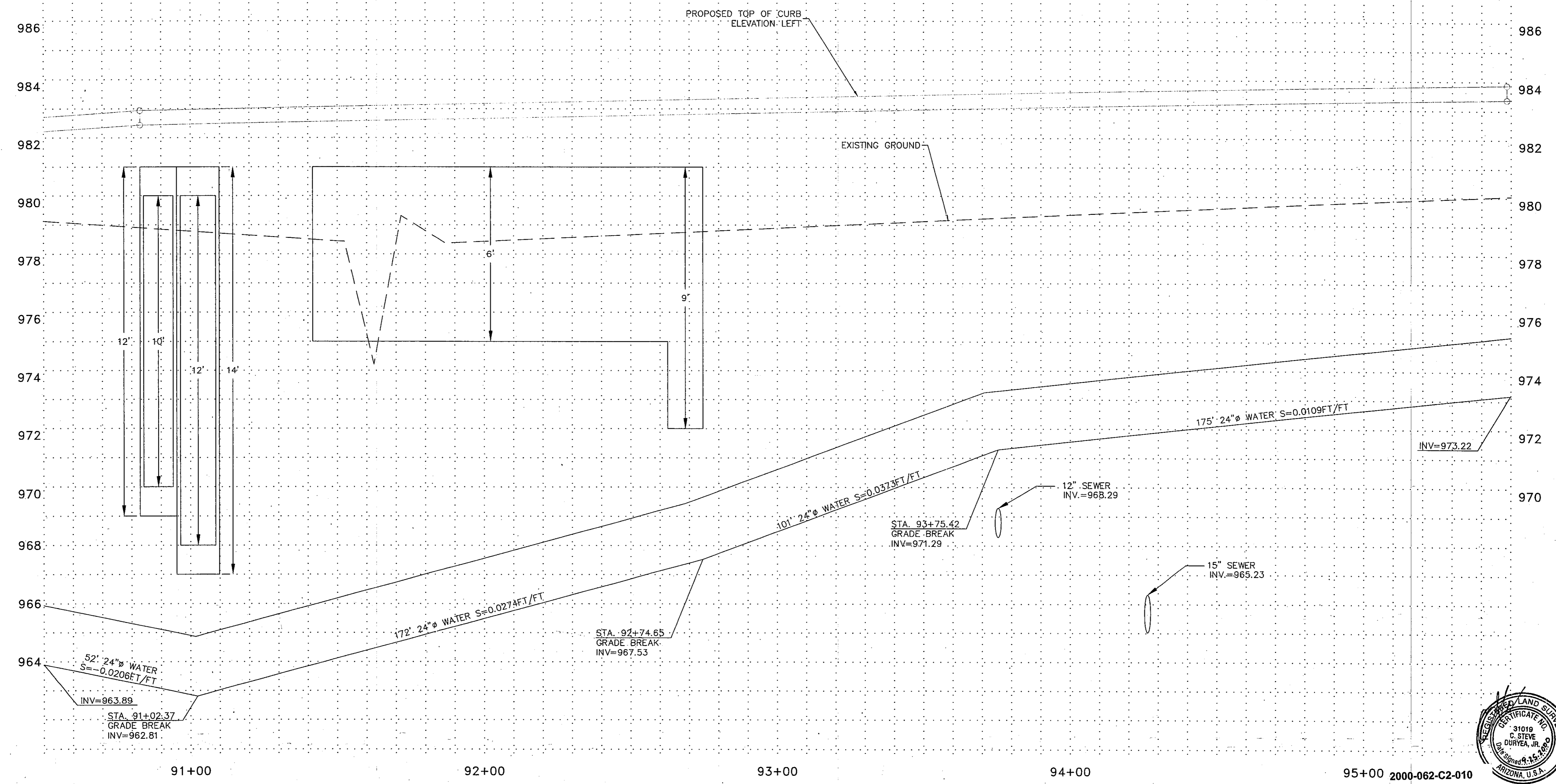


STA. 95+50.00
MATCH SHEET 11

VAN BUREN STREET

WATER CONSTRUCTION NOTES

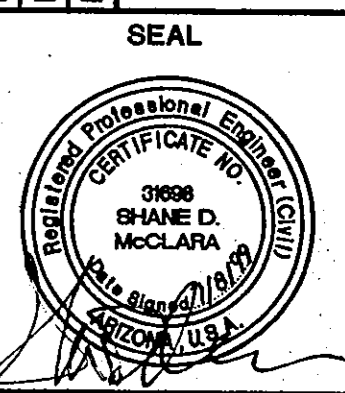
- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 4 INSTALL 24" WATER PIPE.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 11 INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 12 INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 24 INSTALL 24" X 8" FLG. S.O. TEE.
- 26 INSTALL 24" X 8" FLG. S.O. CROSS.
- 27 INSTALL 24" X 12" FLG. S.O. CROSS.
- 30 INSTALL 8" X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 37 INSTALL 24" X 16" REDUCER
- 38 INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- 39 INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- 40 INSTALL 24" X 12" FLG. S.O. TEE
- 44 REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- 45 REMOVE EXISTING PLUG & CONNECT WATER LINE.



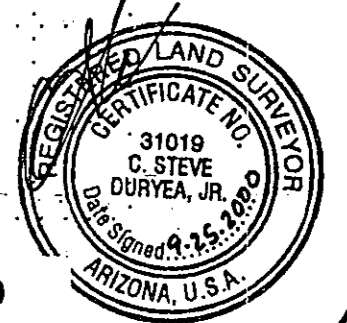
RANCHO MIRAGE
Hook Engineering, Inc.
3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443

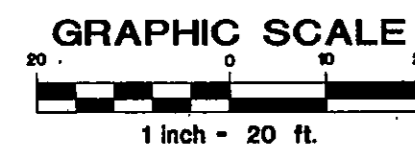
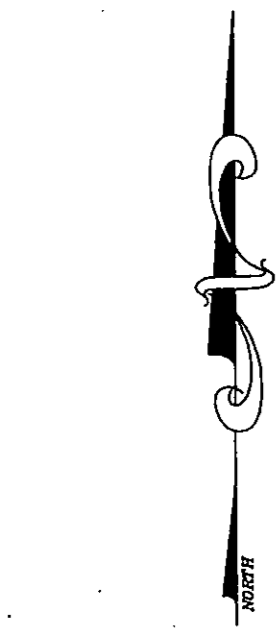
WATER AND SEWER PLANS

| Designed by | Checked by | SDM | Date |
|-------------|------------|----------|------|
| JDJ | DDJ/RJ | 07/08/99 | |

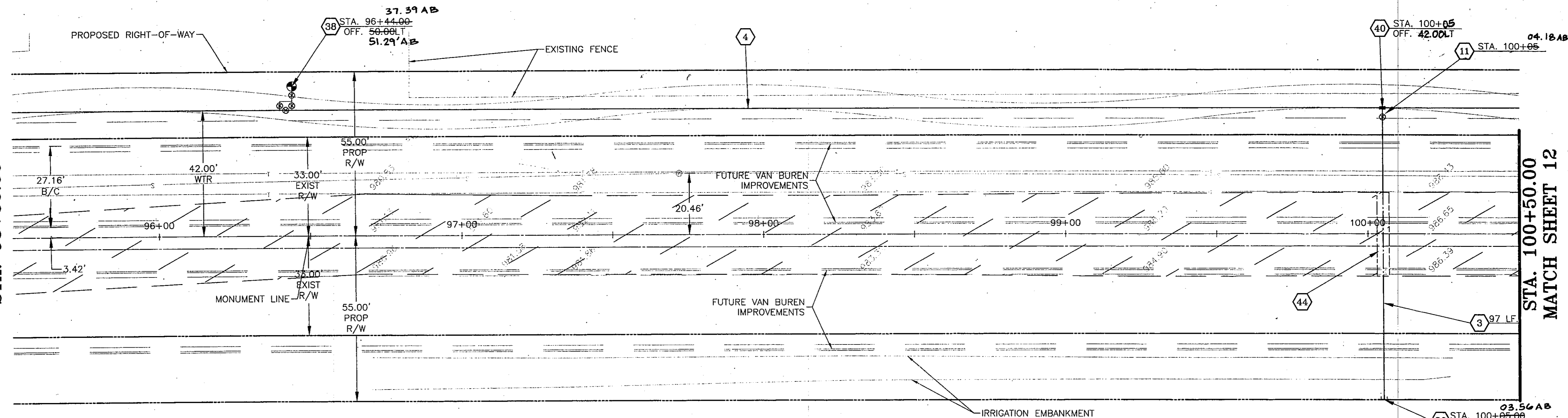


JOB NUMBER
3735A
SHEET





MATCH SHEET 10
STA. 95+50.00

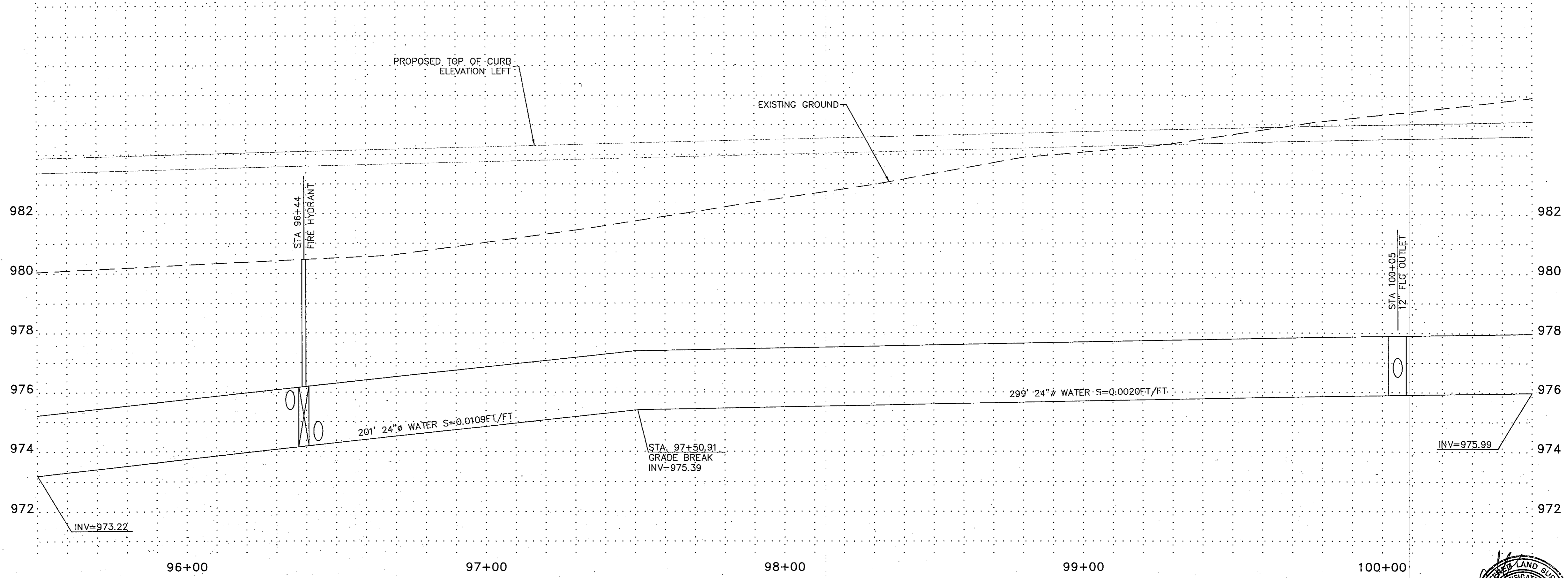


STA. 100+50.00
MATCH SHEET 12

VAN BUREN STREET

WATER CONSTRUCTION NOTES

- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 4 INSTALL 24" WATER PIPE.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 11 INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 12 INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 24 INSTALL 24" X 8" FLG. S.O. TEE.
- 26 INSTALL 24" X 8" FLG. S.O. CROSS.
- 27 INSTALL 24" X 12" FLG. S.O. CROSS.
- 30 INSTALL 8" X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 37 INSTALL 24" X 16" REDUCER
- 38 INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- 39 INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- 40 INSTALL 24" X 12" FLG. S.O. TEE
- 44 REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- 45 REMOVE EXISTING PLUG & CONNECT WATER LINE.



RANCHO MIRAGE
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax: (602) 955-5443

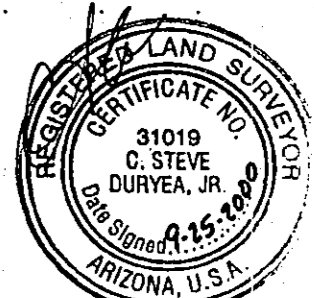
| By | Date | Revisions |
|----|------|-----------|
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Designed by: JDJ
 Checked by: SDM
 Drawn by: DDD/RJ
 Date: 07/08/99
 Horiz. Scale: 1"=20'
 Vertical Scale: 1"=20'

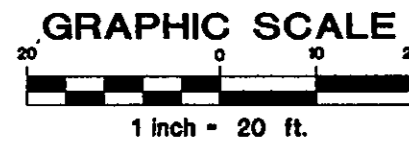
SEAL

JOB NUMBER
3735A

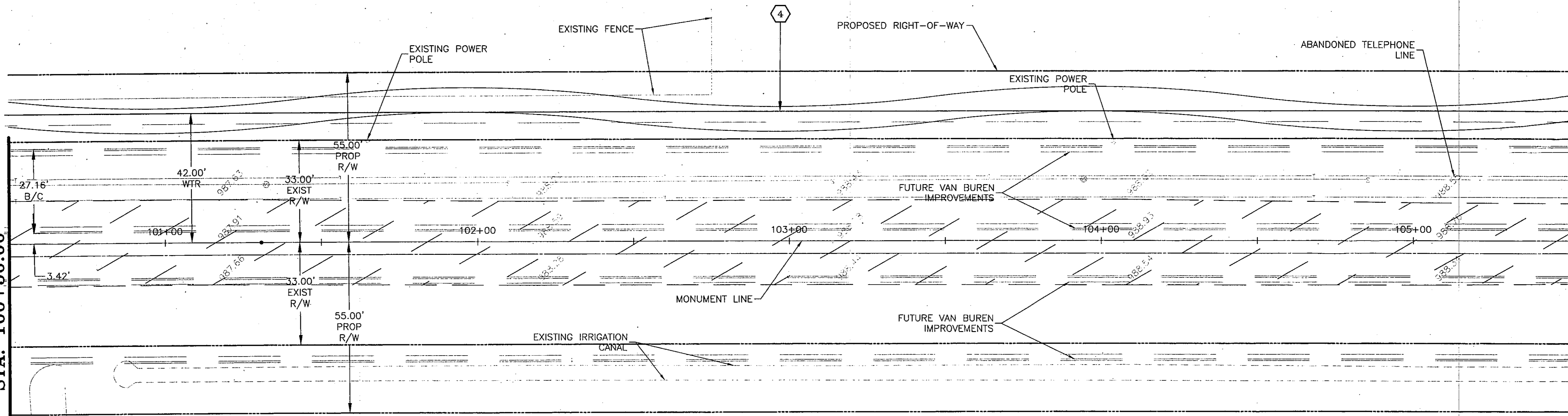
SHEET
11 OF 38



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MATCH SHEET 11
STA. 100+50.00

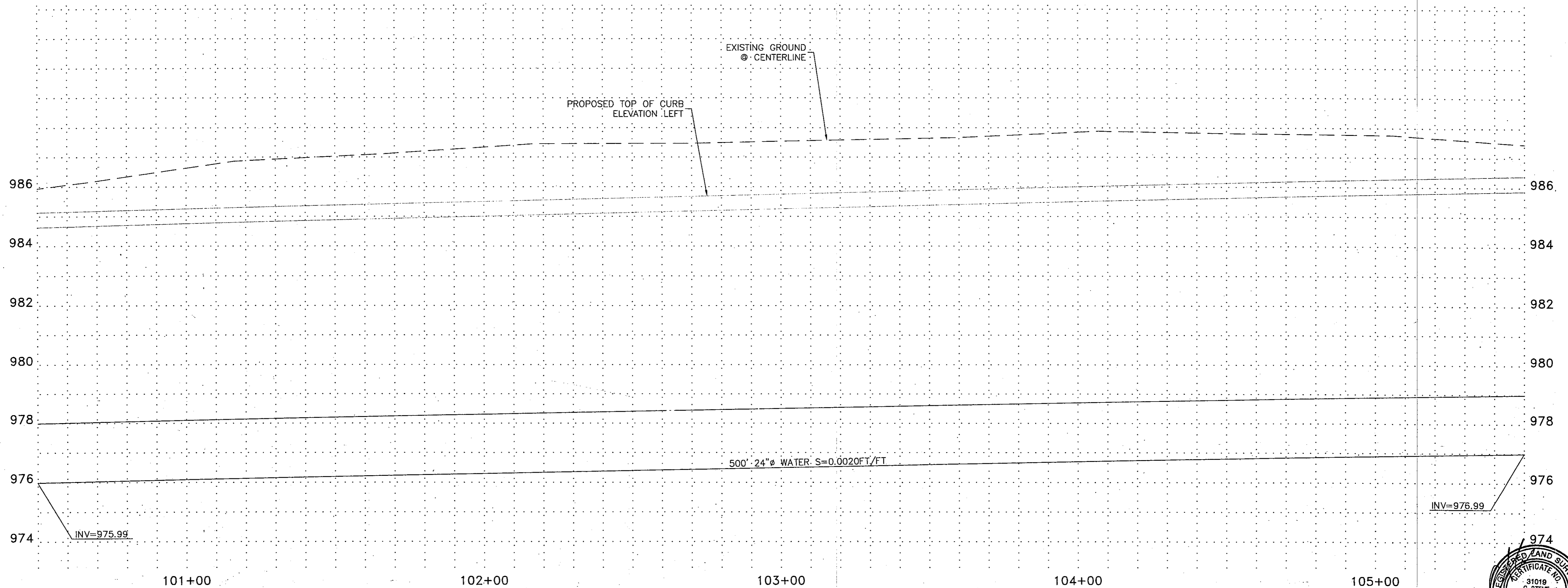


STA. 105+50.00
MATCH SHEET 13

VAN BUREN STREET

WATER CONSTRUCTION NOTES

- ① INSTALL 6" WATER PIPE.
- ② INSTALL 8" WATER PIPE.
- ③ INSTALL 12" WATER PIPE.
- ④ INSTALL 24" WATER PIPE.
- ⑦ INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑨ INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑪ INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑫ INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑲ INSTALL 24" x 8" FLG. S.O. TEE.
- ⑳ INSTALL 24" x 8" FLG. S.O. CROSS.
- ㉑ INSTALL 24" x 12" FLG. S.O. CROSS.
- ㉓ INSTALL 8" x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- ㉔ STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- ㉕ INSTALL 24" x 16" REDUCER
- ㉖ INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- ㉗ INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- ㉘ INSTALL 24" x 12" FLG. S.O. TEE
- ㉚ REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- ㉛ REMOVE EXISTING PLUG & CONNECT WATER LINE.



| By | Date | Revisions |
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| | | |

DESIGNED BY: J.D.J.
CHECKED BY: S.D.M.
DRAWN BY: D.D.D./R.J.
DATE: 07/02/99
HORIZ. SCALE: 1"=20'
VERTICAL SCALE: 1"=20'

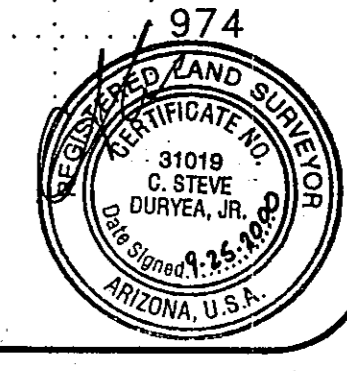
SEAL

 JOB NUMBER
3735A
 SHEET
12 OF 38

RANCHO MIRAGE

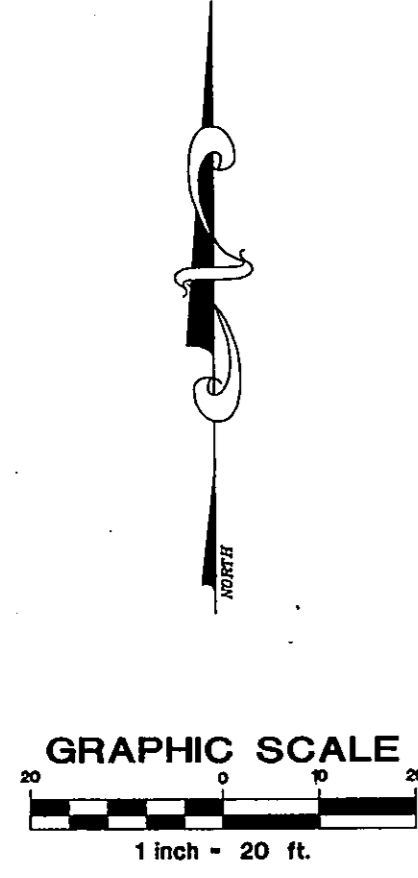
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016
 Tel: (602) 956-3200 Fax (602) 956-5443

WATER AND SEWER PLANS

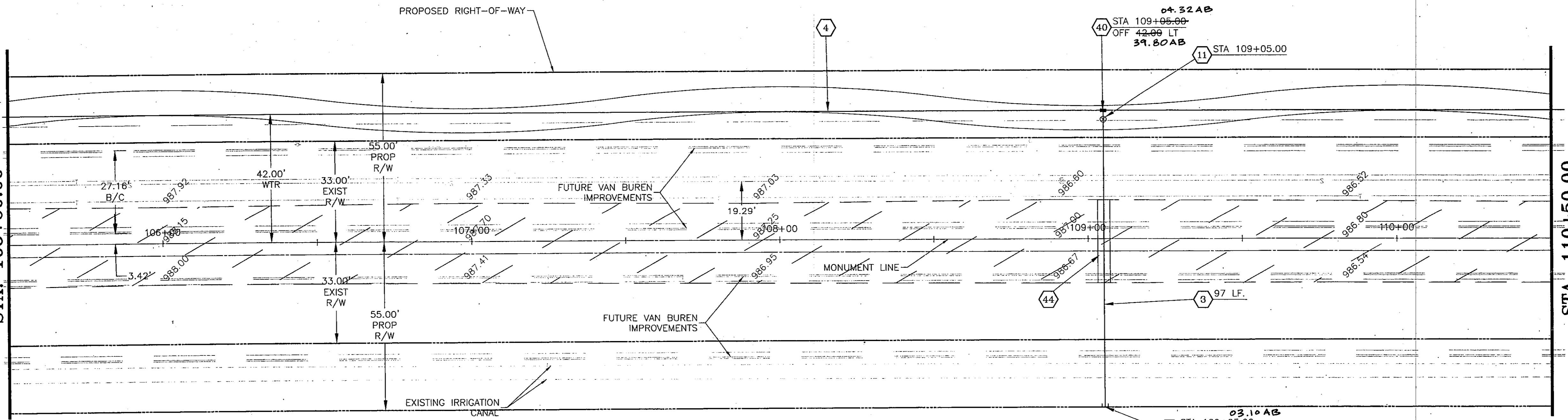


2000-062-C2-012

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MATCH SHEET 12
STA. 105+50.00

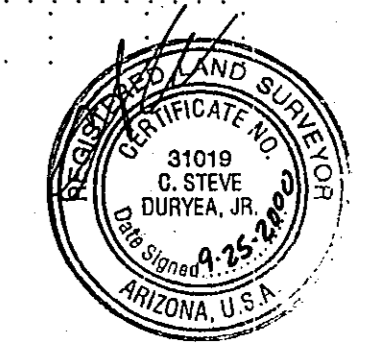
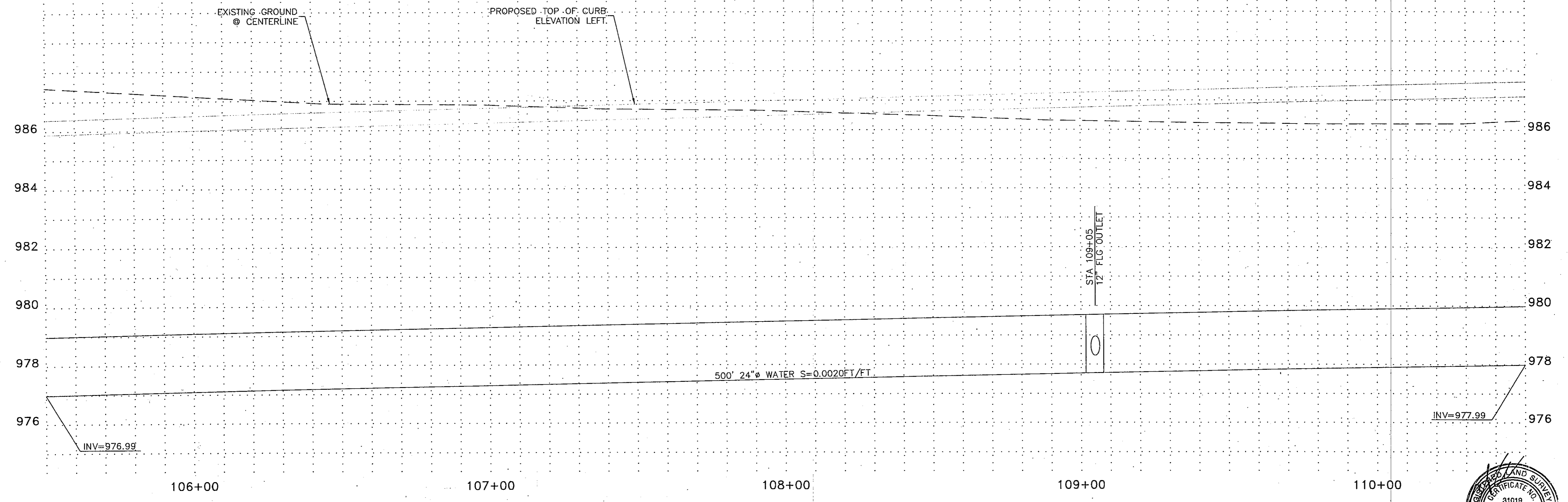


STA. 110+50.00
MATCH SHEET 14

VAN BUREN STREET

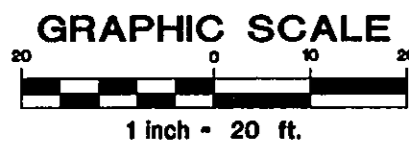
WATER CONSTRUCTION NOTES

- ① INSTALL 6" WATER PIPE.
- ② INSTALL 8" WATER PIPE.
- ③ INSTALL 12" WATER PIPE.
- ④ INSTALL 24" WATER PIPE.
- ⑦ INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑨ INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑪ INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑫ INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑭ INSTALL 24" x 8" FLG. S.O. TEE.
- ⑮ INSTALL 24" x 8" FLG. S.O. CROSS.
- ⑯ INSTALL 24" x 12" FLG. S.O. CROSS.
- ⑰ INSTALL 8" x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- ⑱ STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- ⑲ INSTALL 24" x 16" REDUCER
- ⑳ INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- ㉑ INSTALL 12" PLUG x 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A"
- ㉒ INSTALL 24" x 12" FLG. S.O. TEE
- ㉓ REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- ㉔ REMOVE EXISTING PLUG & CONNECT WATER LINE.

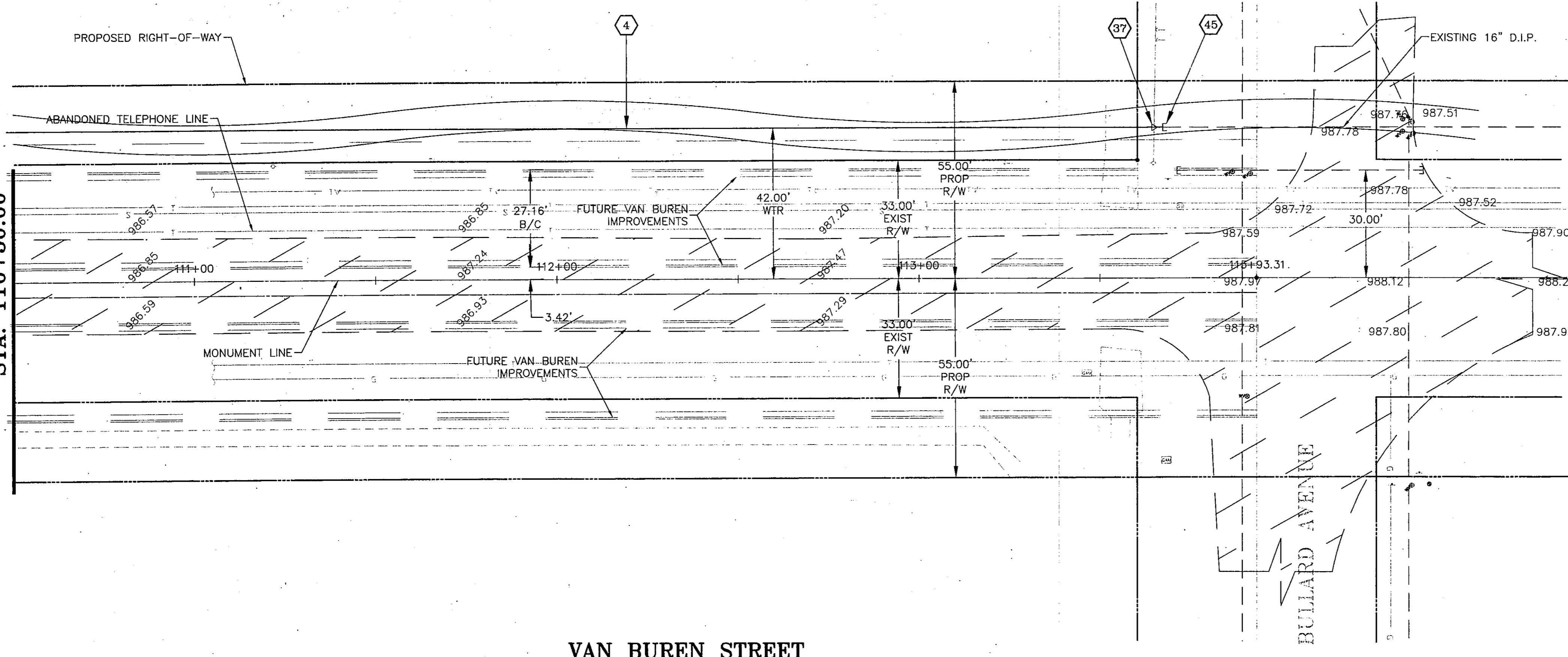


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| Designed by: JDJ | Checked by: SDM | Revisions | By |
| Drawn by: DDD/RJ | Date: 07/08/98 | | Date |
| Horiz. Scale: 1"=20' | Vertical Scale | | |
| WATER AND SEWER PLANS | | | |
| SEAL | | | |
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| JOB NUMBER | | | |
| 3735A | | | |
| SHEET | | | |
| 13 OF 38 | | | |

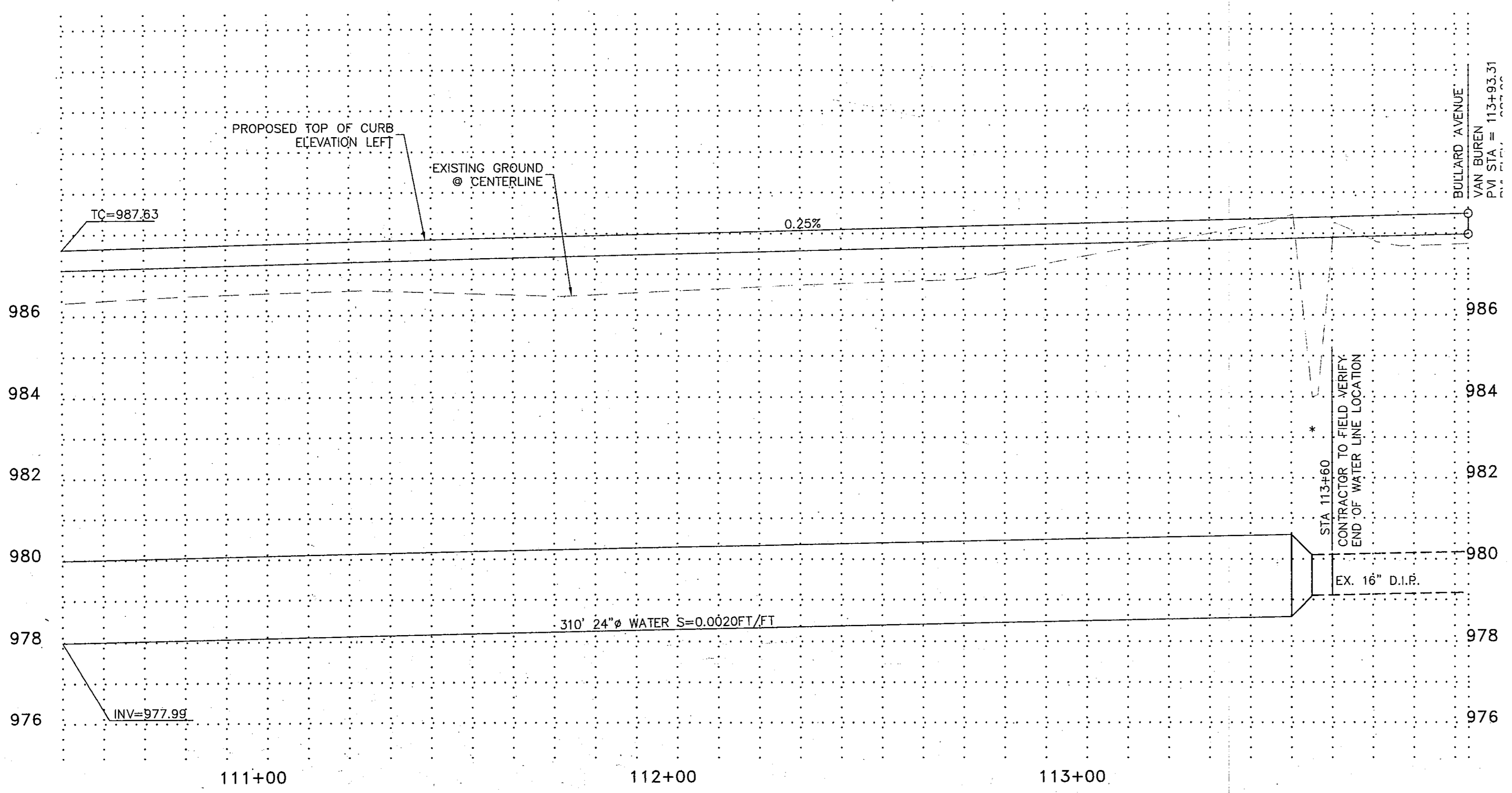
RANCHO MIRAGE
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443



MATCH SHEET 13
STA. 110+50.00

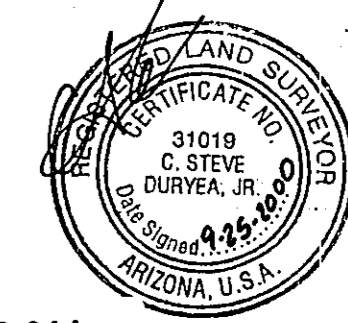


VAN BUREN STREET



WATER CONSTRUCTION NOTES

- ① INSTALL 6" WATER PIPE.
- ② INSTALL 8" WATER PIPE.
- ③ INSTALL 12" WATER PIPE.
- ④ INSTALL 24" WATER PIPE.
- ⑦ INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑨ INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑪ INSTALL 12" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑫ INSTALL 24" MJ x MJ BUTTERFLY VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "C", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- ⑭ INSTALL 24" X 8" FLG. S.O. TEE.
- ⑮ INSTALL 24" X 8" FLG. S.O. CROSS.
- ⑯ INSTALL 24" X 12" FLG. S.O. CROSS.
- ⑳ INSTALL 8" X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- ㉑ STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- ㉒ INSTALL 24" X 16" REDUCER
- ㉓ INSTALL FIRE HYDRANT BYPASS ASSEMBLY COMPLETE PER CITY OF GOODYEAR STD. DET. G-3336.
- ㉔ INSTALL 12" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".
- ㉕ INSTALL 24" X 12" FLG. S.O. TEE
- ㉖ REMOVE AND REPLACE PAVEMENT PER C.O.G. STD. DET. G-3200, "T" TOP.
- ㉗ REMOVE EXISTING PLUG & CONNECT WATER LINE.
- ㉘ INSTALL 24" PLUG X 2" CURB STOP WITH FLUSHING PIPE PER M.A.G. STD. DET. 390, TYPE "A".



| By | Date | Revisions |
|----|------|-----------|
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SEAL

JOB NUMBER
3735A

SHEET

RANCHO MIRAGE
Hook Engineering, Inc.
3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 956-5443

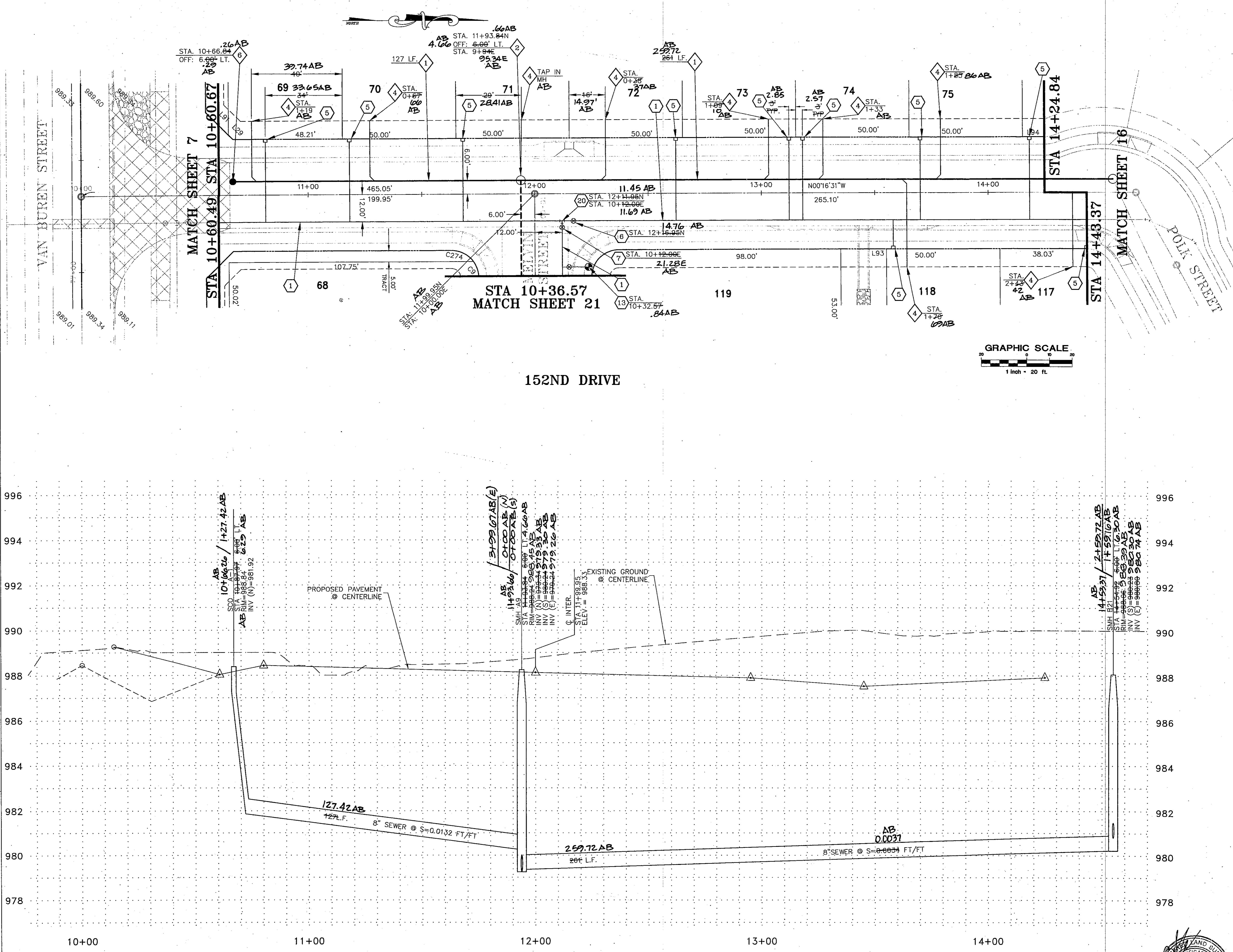
WATER AND SEWER PLANS

WATER CONSTRUCTION NOTES

- 1 INSTALL 6" WATER PIPE.
- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 5 INSTALL 1" WATER TAP AND METER BOX PER CITY OF GOODYEAR STD. DET. G-3310 WITH BOX AND COVER PER CITY OF GOODYEAR STD. DET. G-3312. METER BOX TO BE LOCATED PER DET. ON SHEET 3.
- 6 INSTALL 6" MJ x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 7 INSTALL 6" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 8 INSTALL 8" MJ x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 9 INSTALL 8" FLG x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 10 INSTALL 12" MJ x MJ VALVE w/B. & C. PER M.A.G. STD. DET. 391-1, TYPE "A", ADJUST TO GRADE PER M.A.G. STD. DET. 270.
- 13 INSTALL FIRE HYDRANT COMPLETE PER CITY OF GOODYEAR STD. DET. G-3330.
- 14 INSTALL 6" 22.5° BEND.
- 15 INSTALL 6" 45° BEND.
- 16 INSTALL 6" 90° BEND.
- 17 INSTALL 8" 22.5° BEND.
- 18 INSTALL 8" 45° BEND.
- 19 INSTALL 8" 90° BEND.
- 20 INSTALL 6" X 6" FLG. S.O. TEE.
- 21 INSTALL 8" X 6" FLG. S.O. TEE.
- 22 INSTALL 8" X 8" FLG. S.O. TEE.
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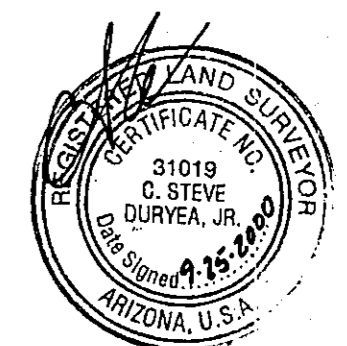
WATER AND SEWER PLANS

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| Drawn by: DDD/RJ | Date: 07/08/99 | | Date: |
| Horiz. Scale: 1"=20' | Vertical Scale: | | |

SEAL
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 3098
 SHANE D. MCCLARA
 License No. 11016
 Exp. 12/31/00

JOB NUMBER
3735A

SHEET
15 OF 38



2000-062-C2-015

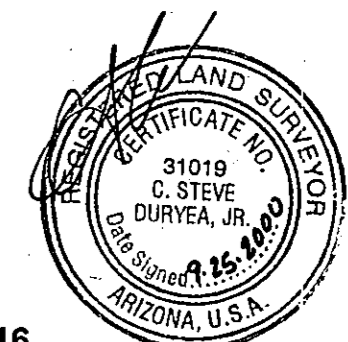
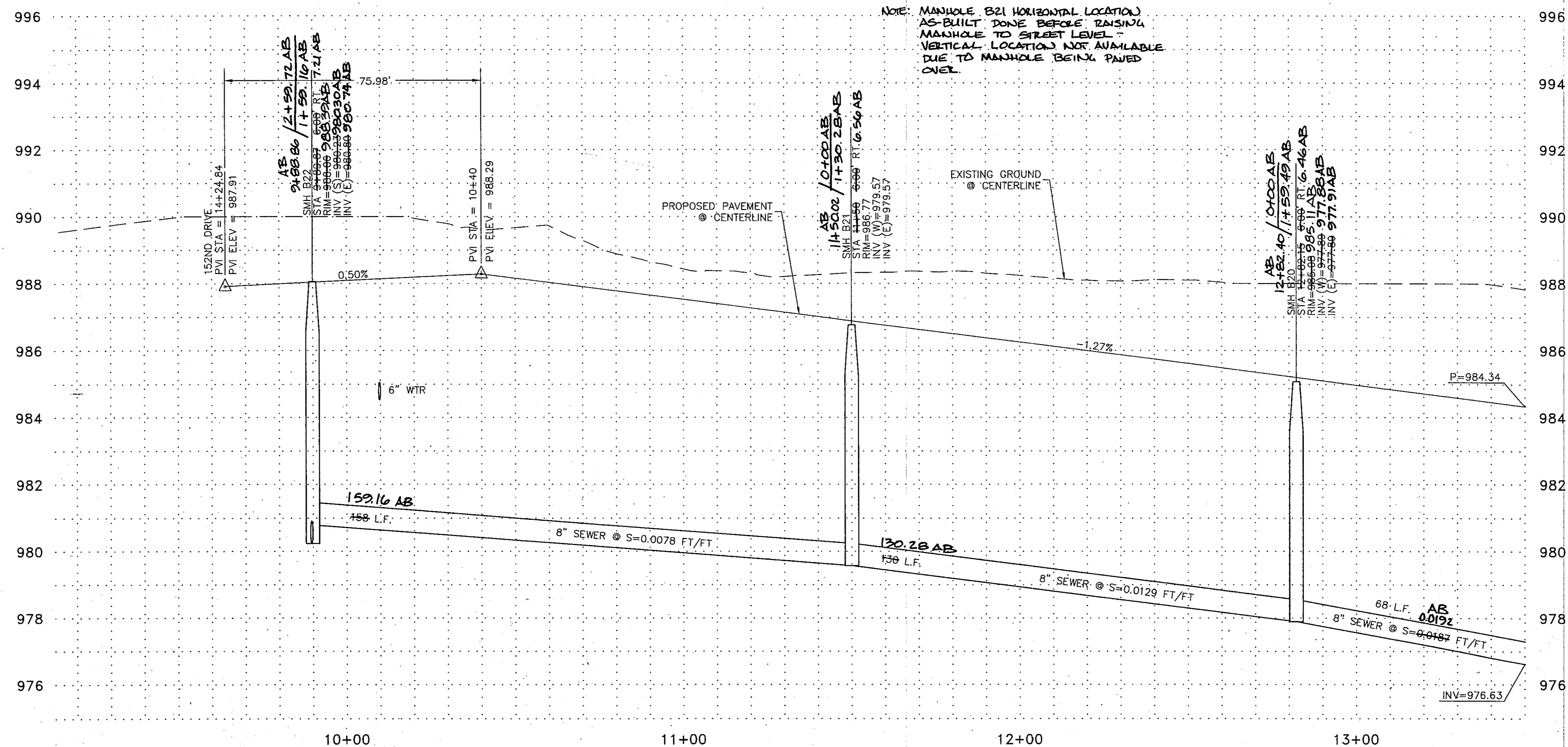
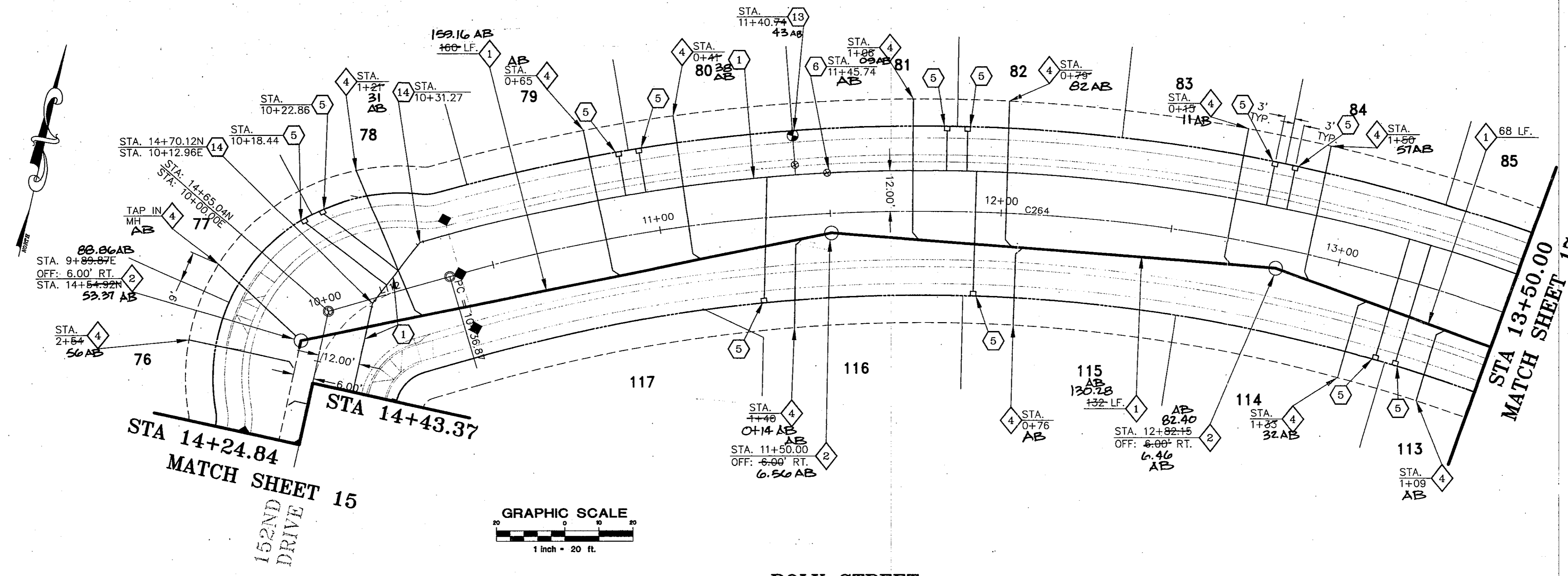
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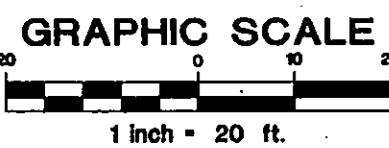
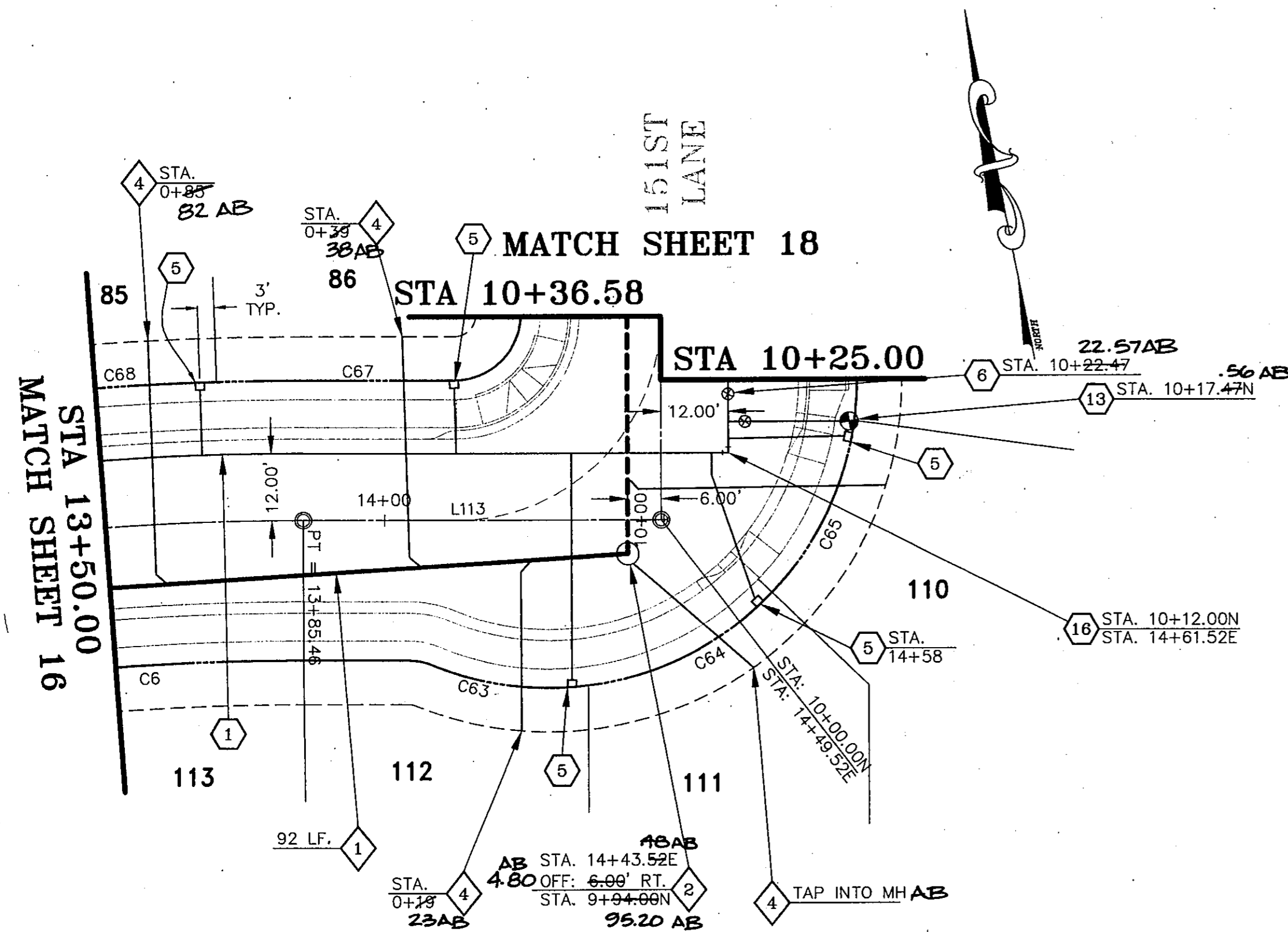
JOB NUMBER

SHEET

RANCHO MIRAGE

Hook Engineering, Inc.

3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3000 Fax (602) 955-5443



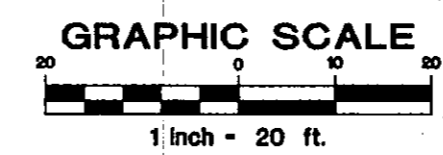
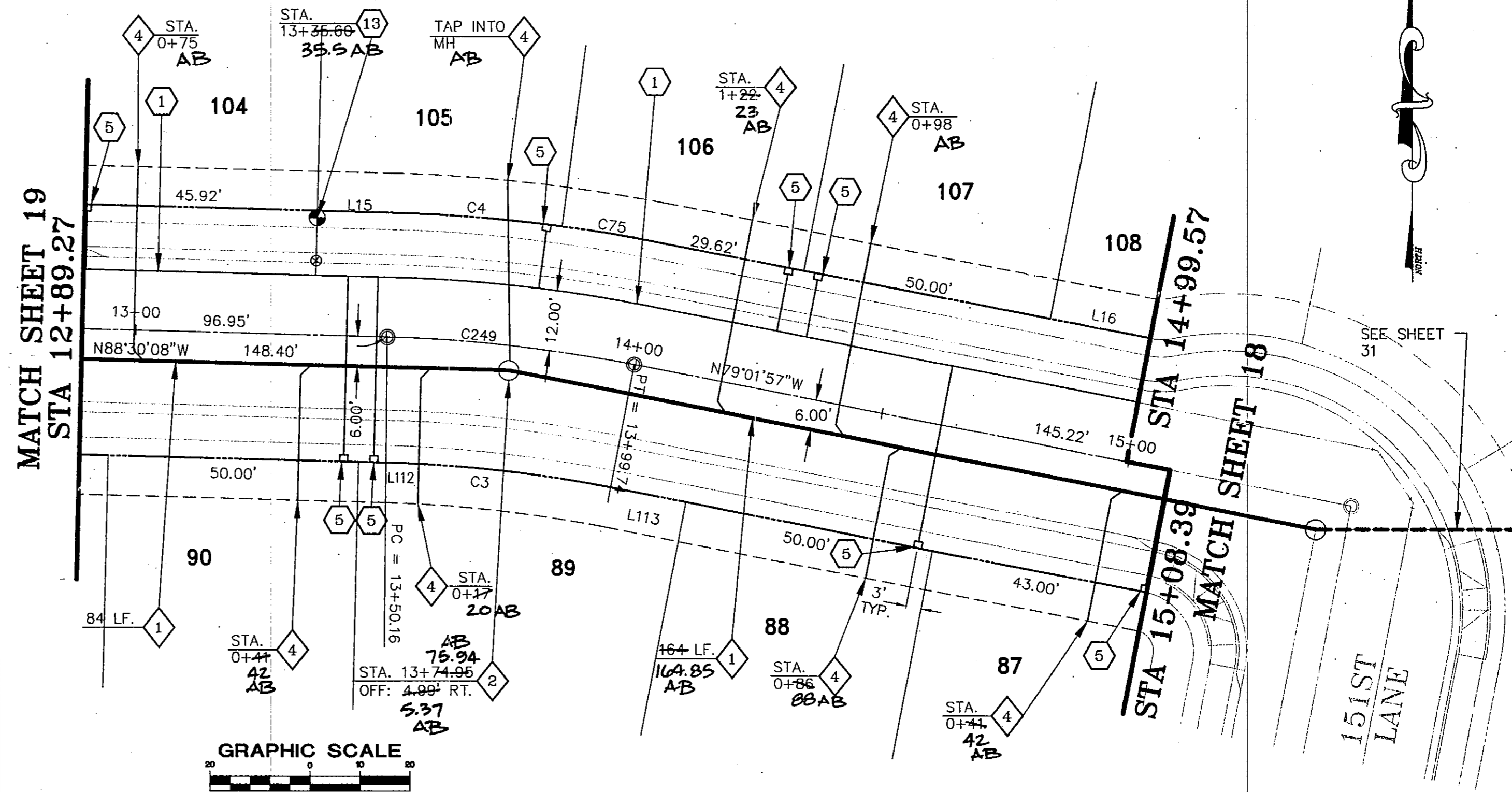
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WATER CONSTRUCTION NOTES

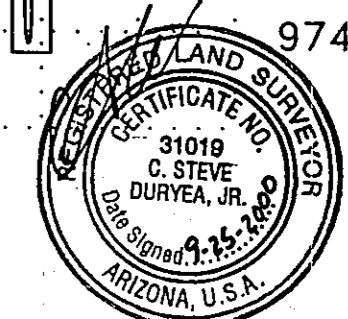
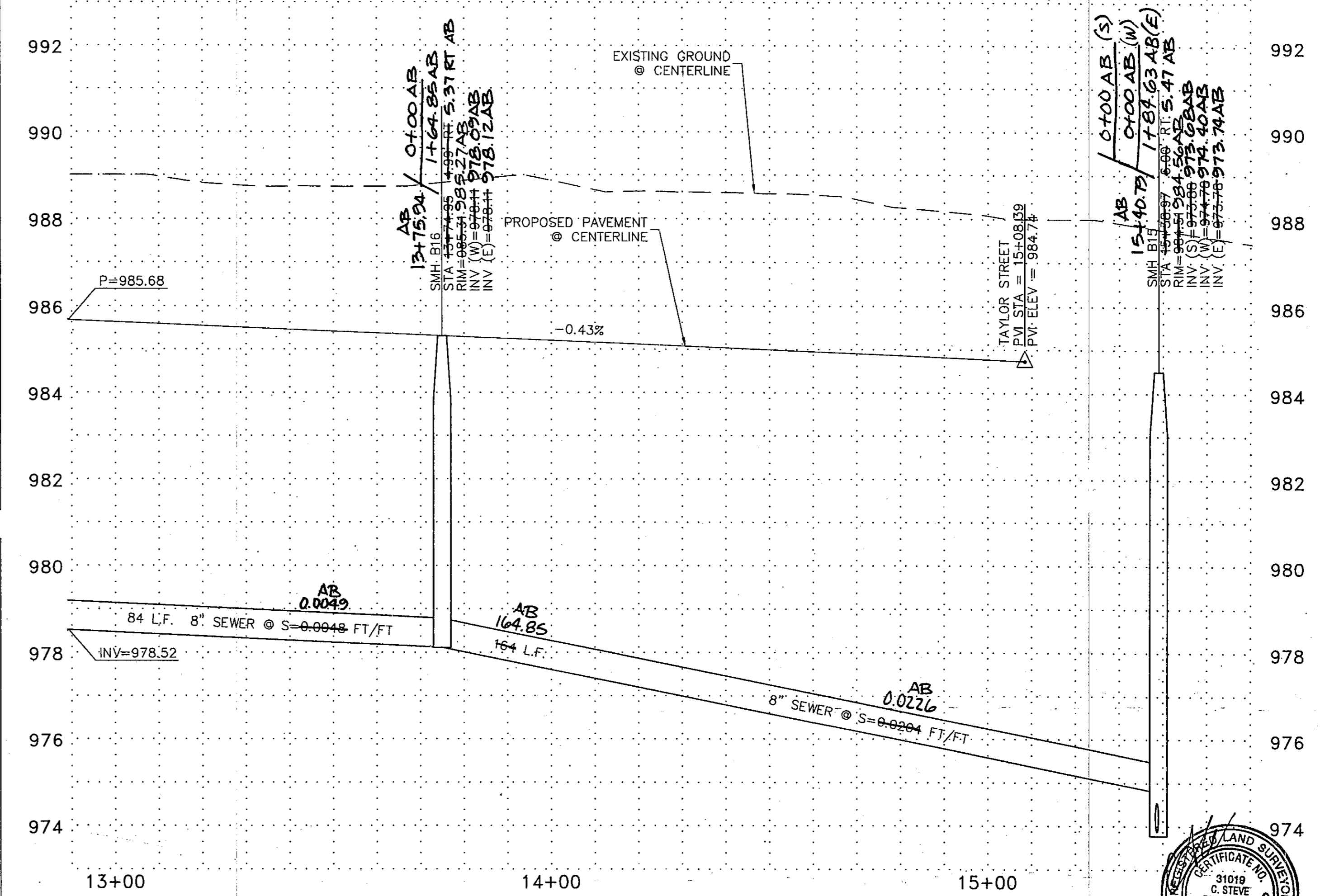
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TAYLOR STREET



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Checked by: JDI
 Drawn by: DDD/RJ
 Date: 07/08/99
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SEAL

CERTIFICATE OF PROFESSIONAL ENGINEERING
 STATE OF ARIZONA
 3109
 STEVE
 DURICA, JR.
 PHOENIX, ARIZONA, U.S.A.

JOB NUMBER
3735A

SHEET
17 OF 38

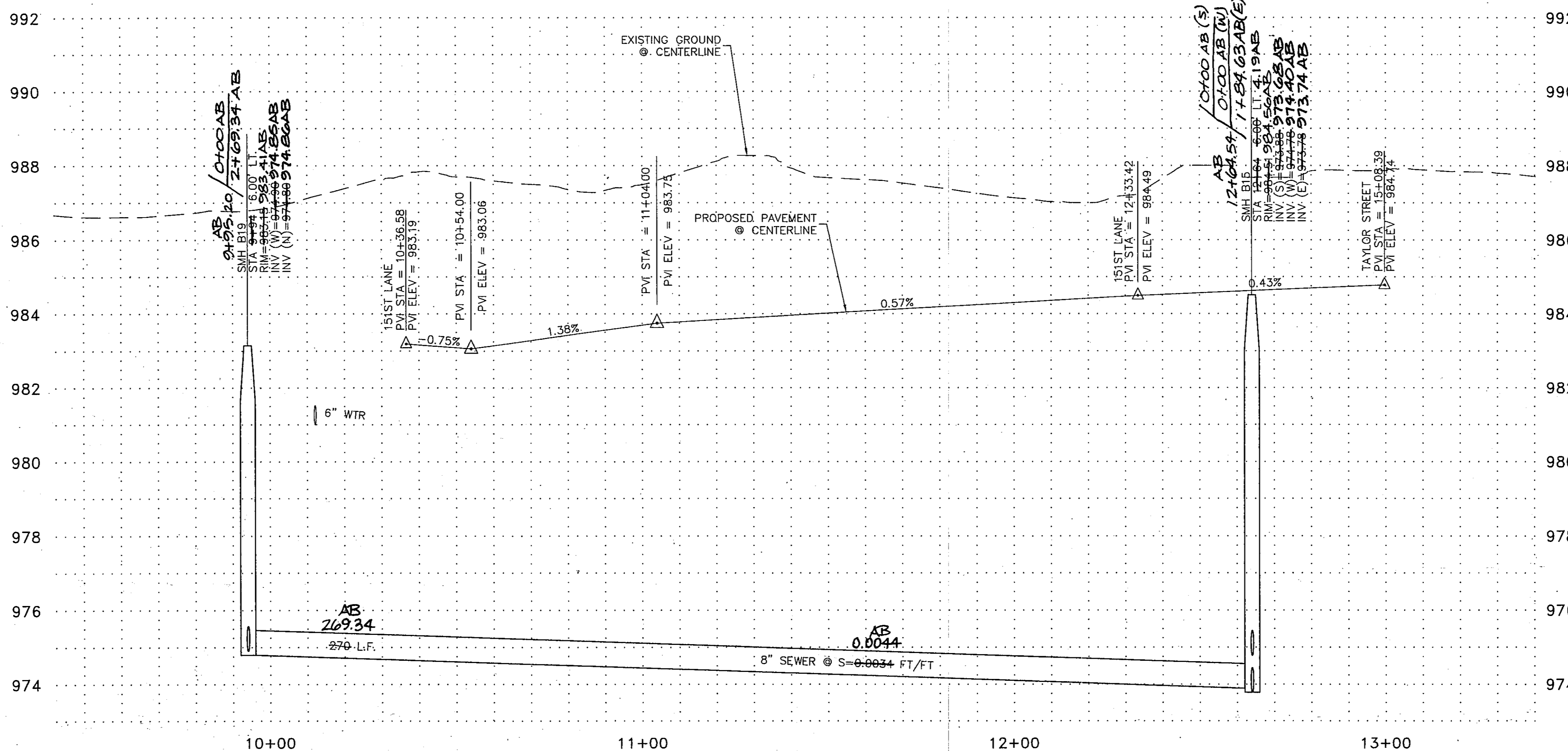
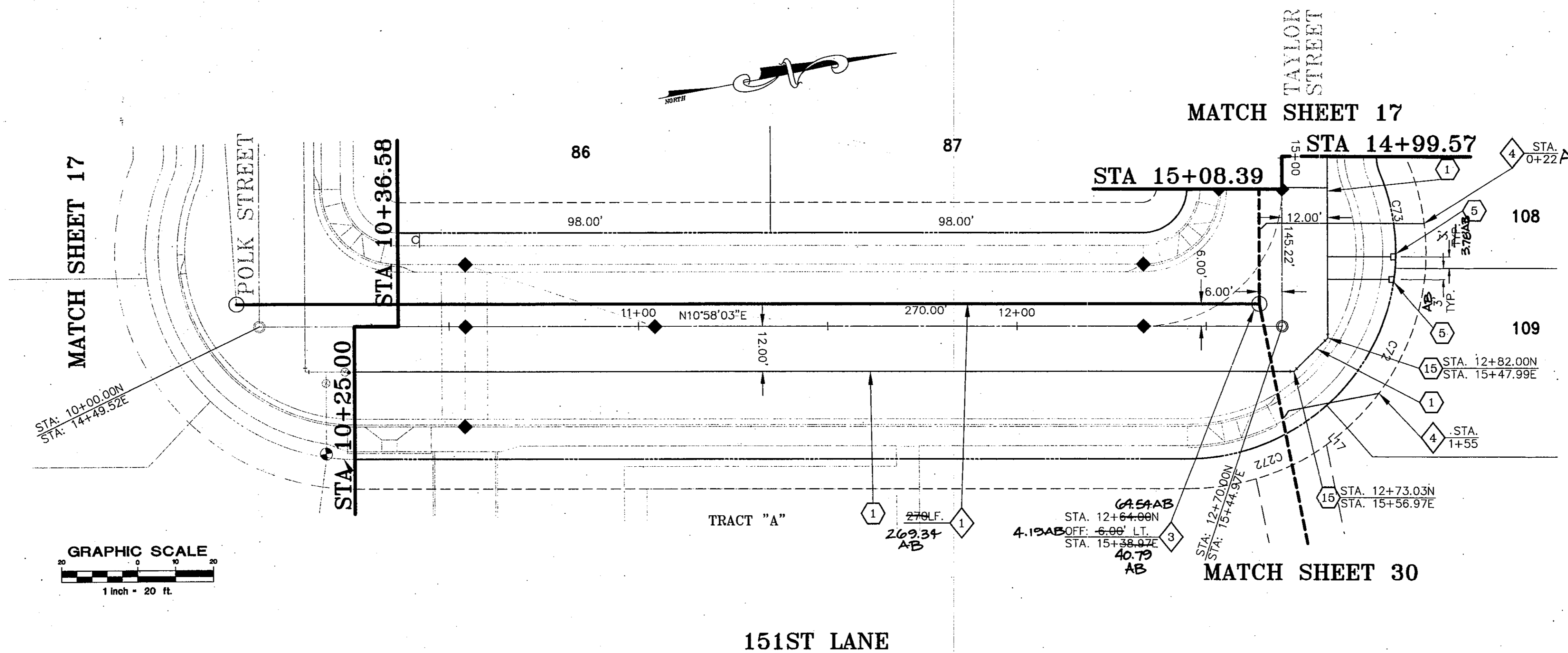
RANCHO MIRAGE
Hook Engineering, Inc.
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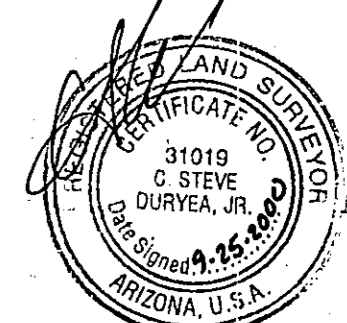
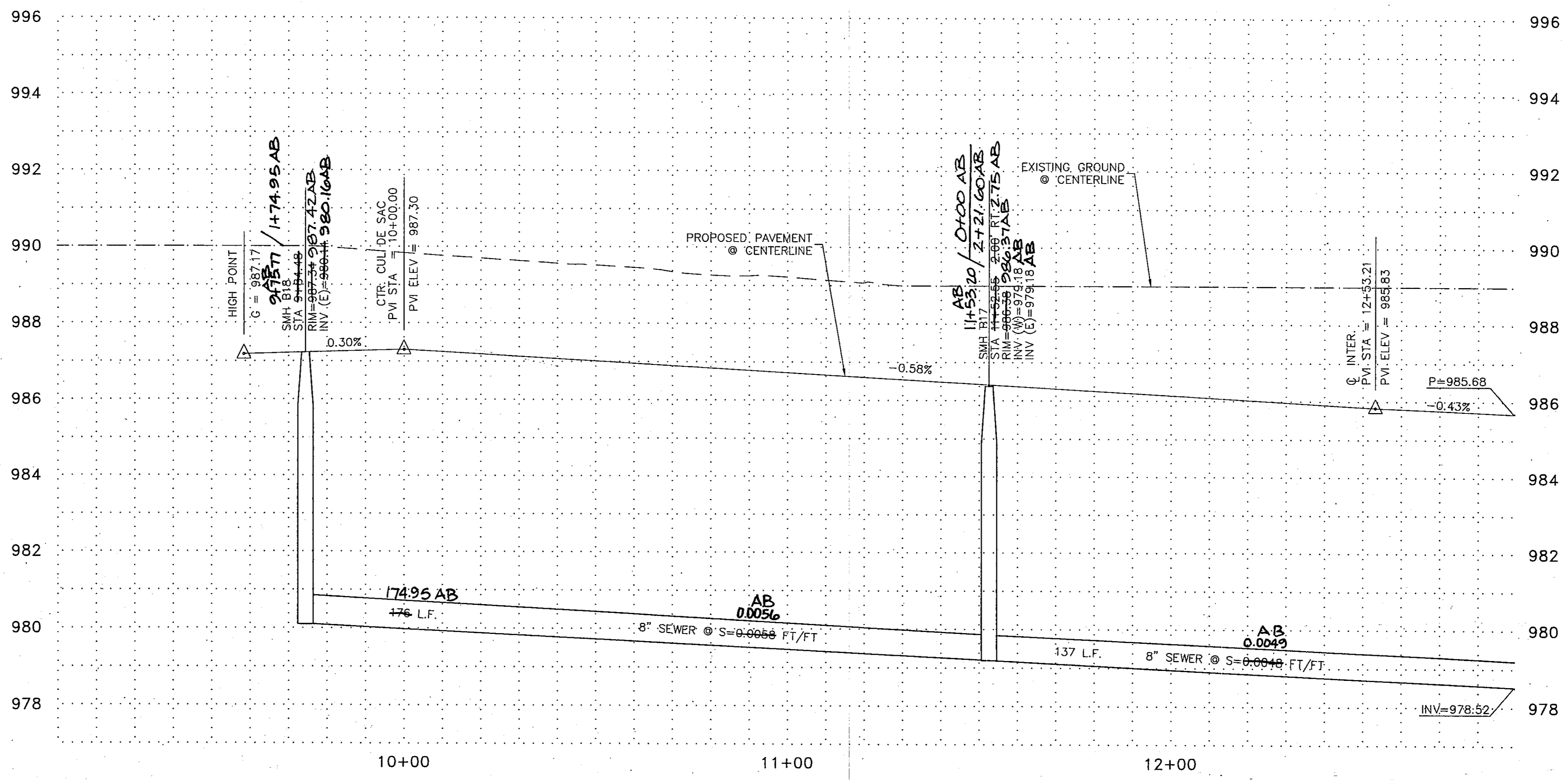
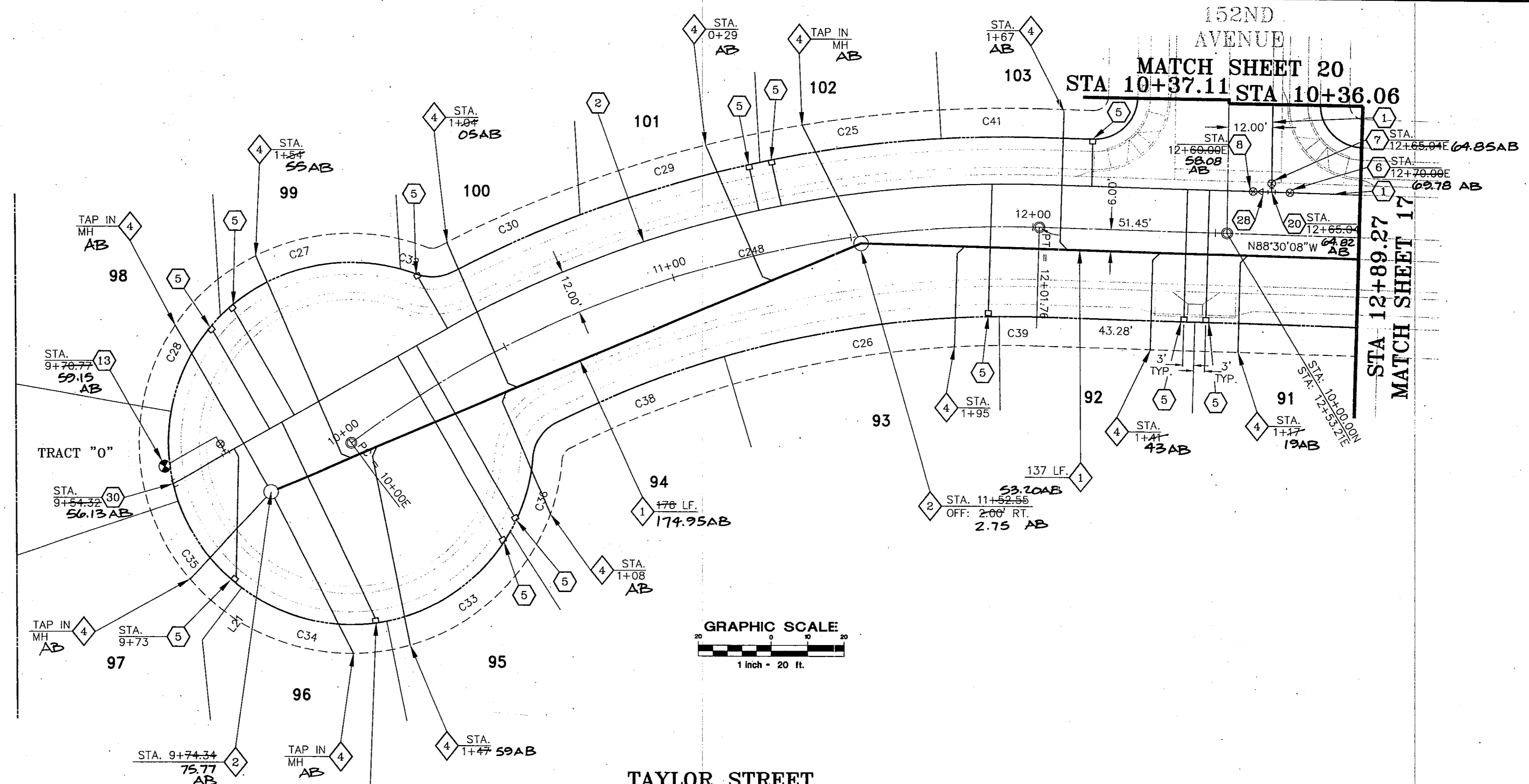
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Hook Engineering, Inc.

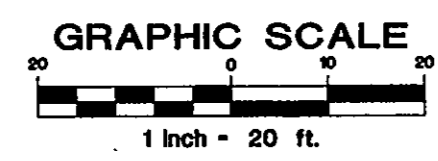
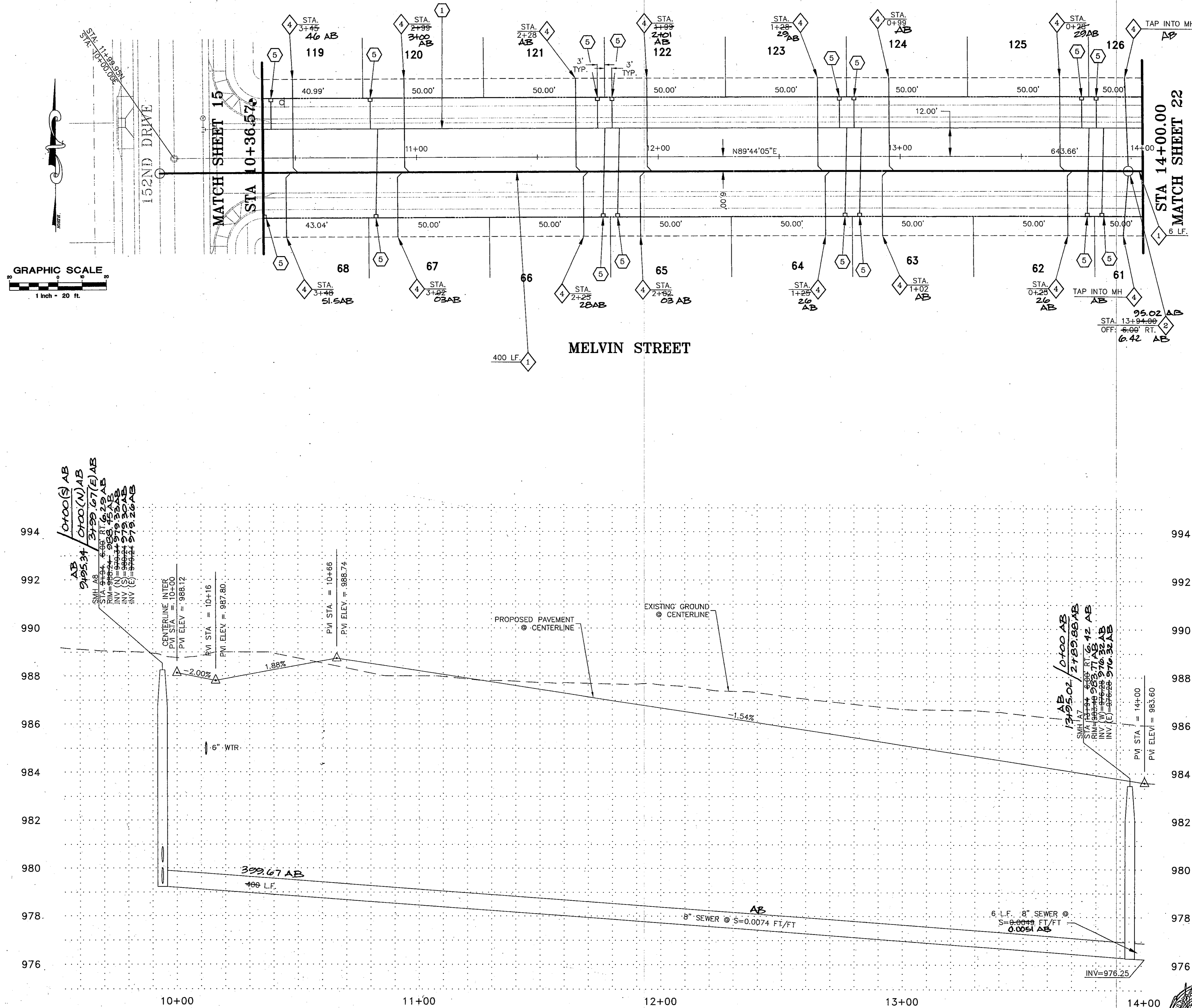
3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax: (602) 955-5443

WATER CONSTRUCTION NOTES

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- 2 INSTALL 8" WATER PIPE.
- 3 INSTALL 12" WATER PIPE.
- 5 INSTALL 1" WATER TAP AND METER BOX PER CITY OF GOODYEAR STD. DET. G-3310 WITH BOX AND COVER PER CITY OF GOODYEAR STD. DET. G-3312. METER BOX TO BE LOCATED PER DET. ON SHEET 3.
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WATER AND SEWER PLANS

| | | |
|------------------|-----------------|------------------------|
| Designed by: JDJ | Checked by: SDM | Date: 07/08/89 |
| Drawn by: DDD/RJ | Date: 07/08/89 | Vertical Scale: 1"=20' |

SEAL
 PROFESSIONAL ENGINEER
 SHANE D. McCLARA
 No. 31019
 State of Arizona, U.S.A.

JOB NUMBER
3735A
 SHEET

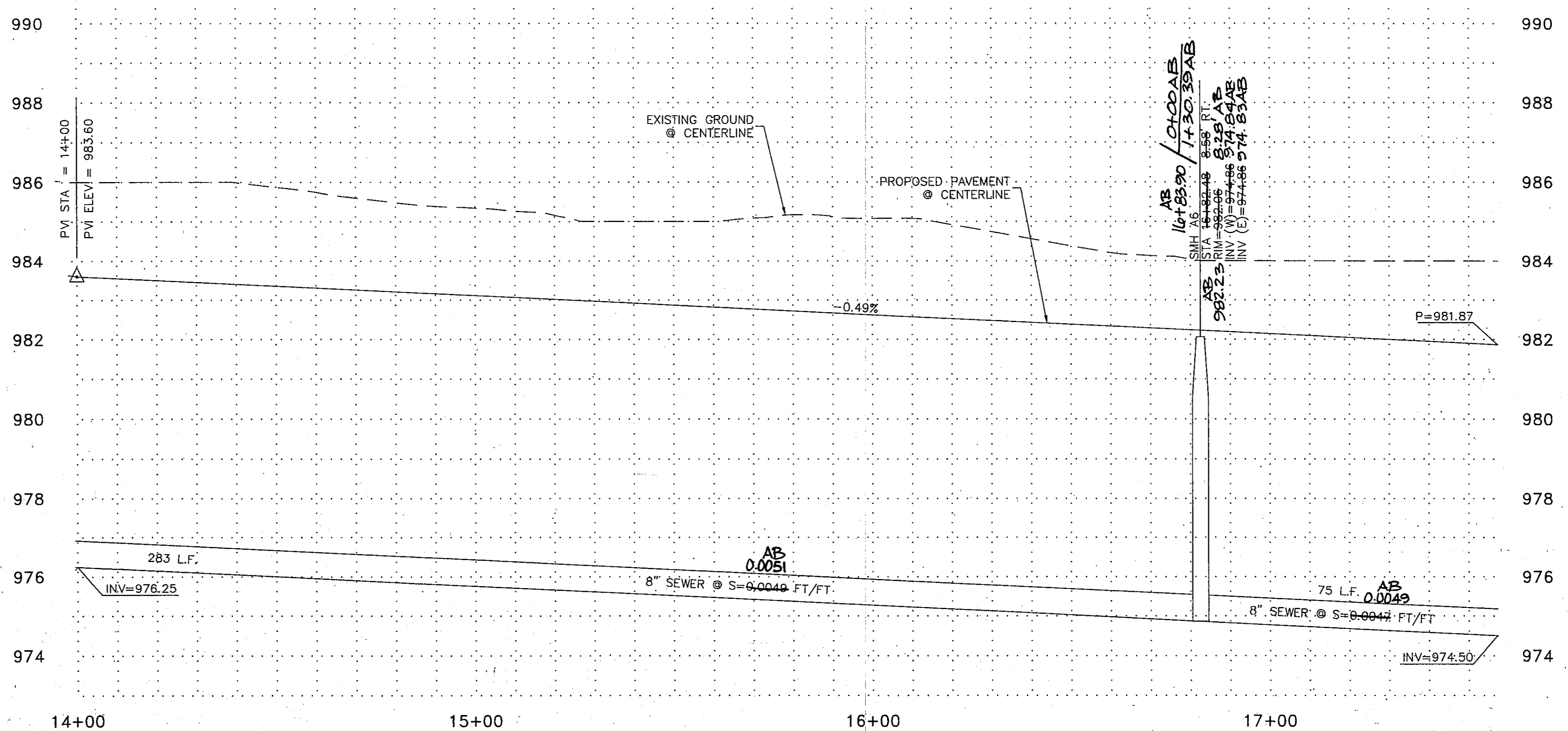
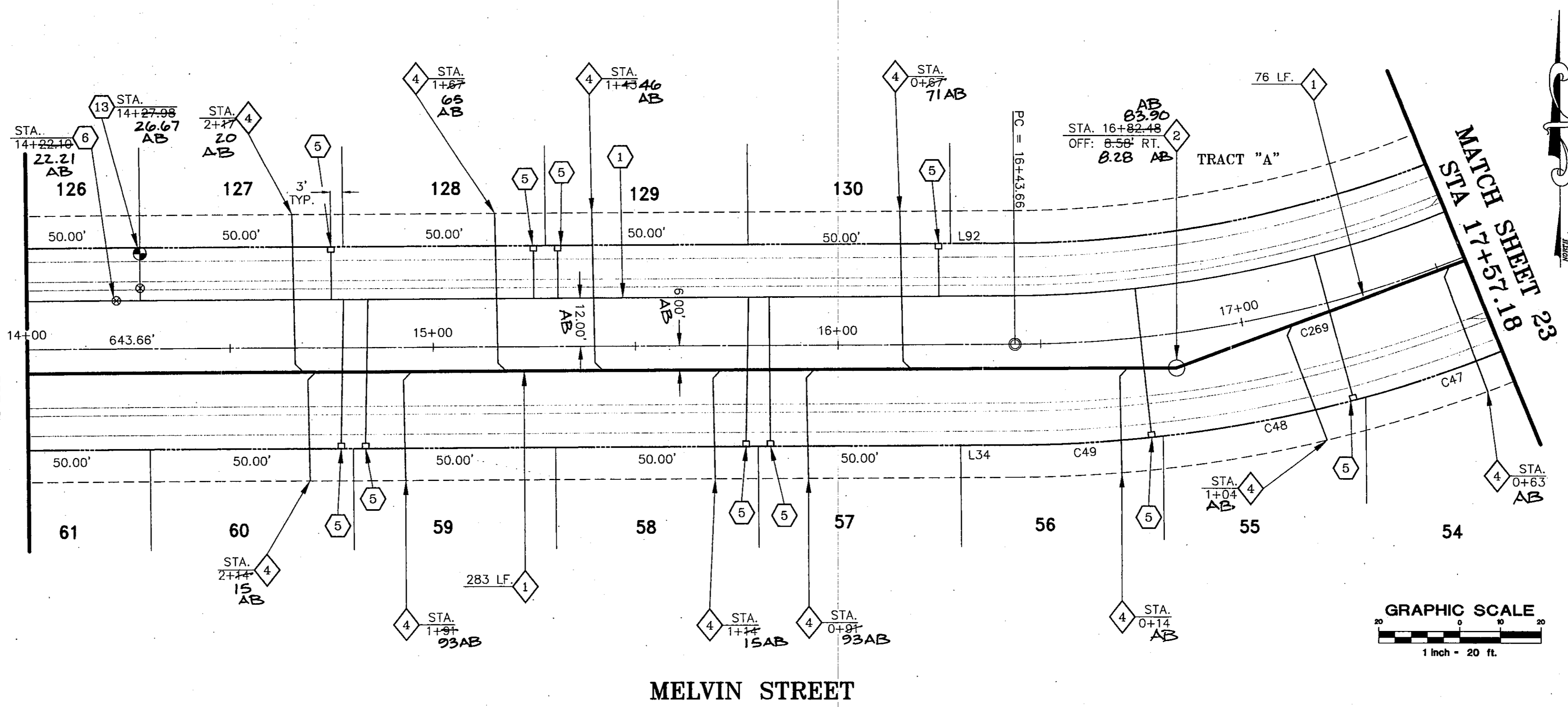
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MATCH SHEET 21
STA 14+00



2000-062-C2-022

RANCHO MIRAGE
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3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443

| By | Date | Revisions |
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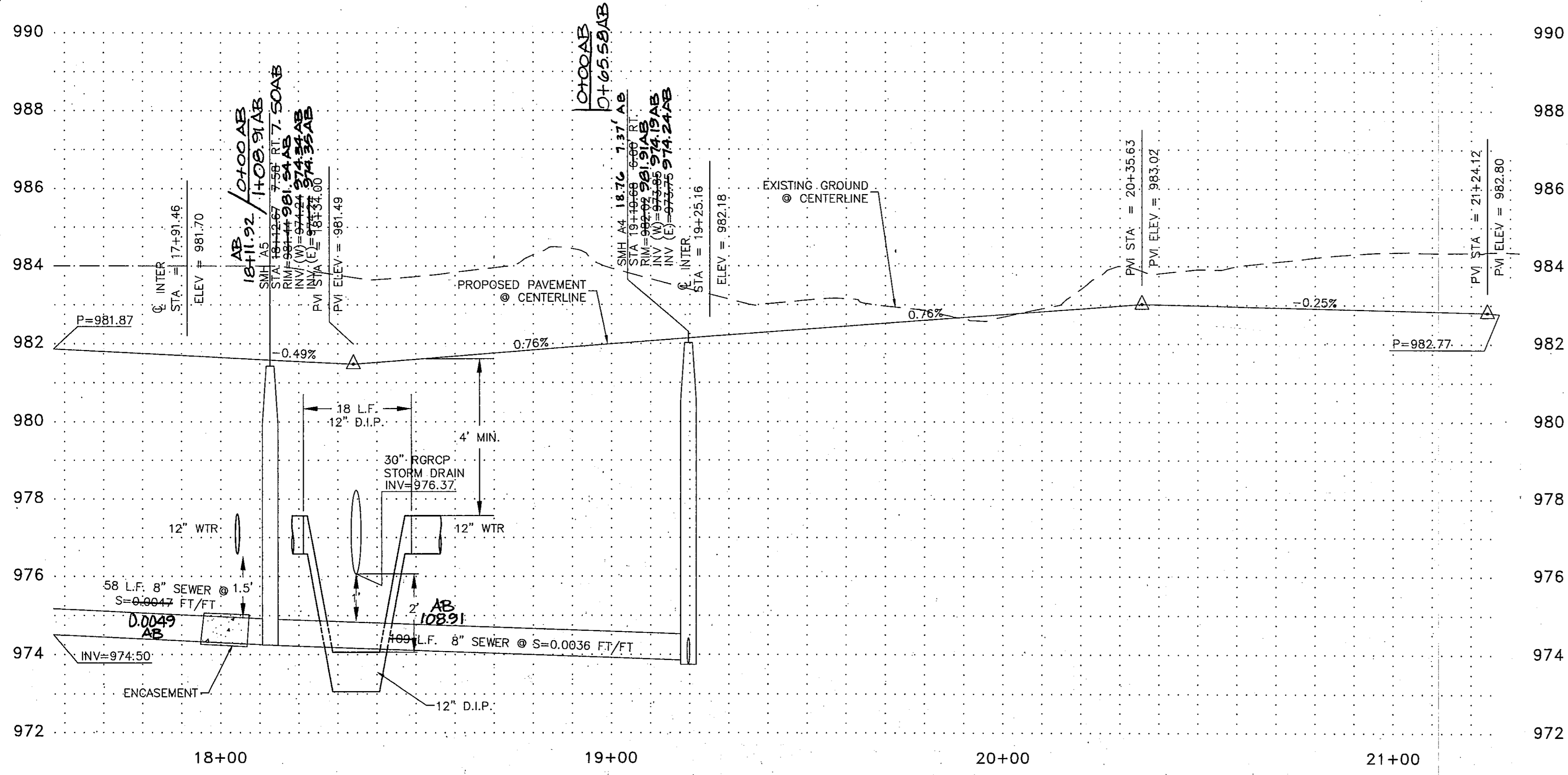
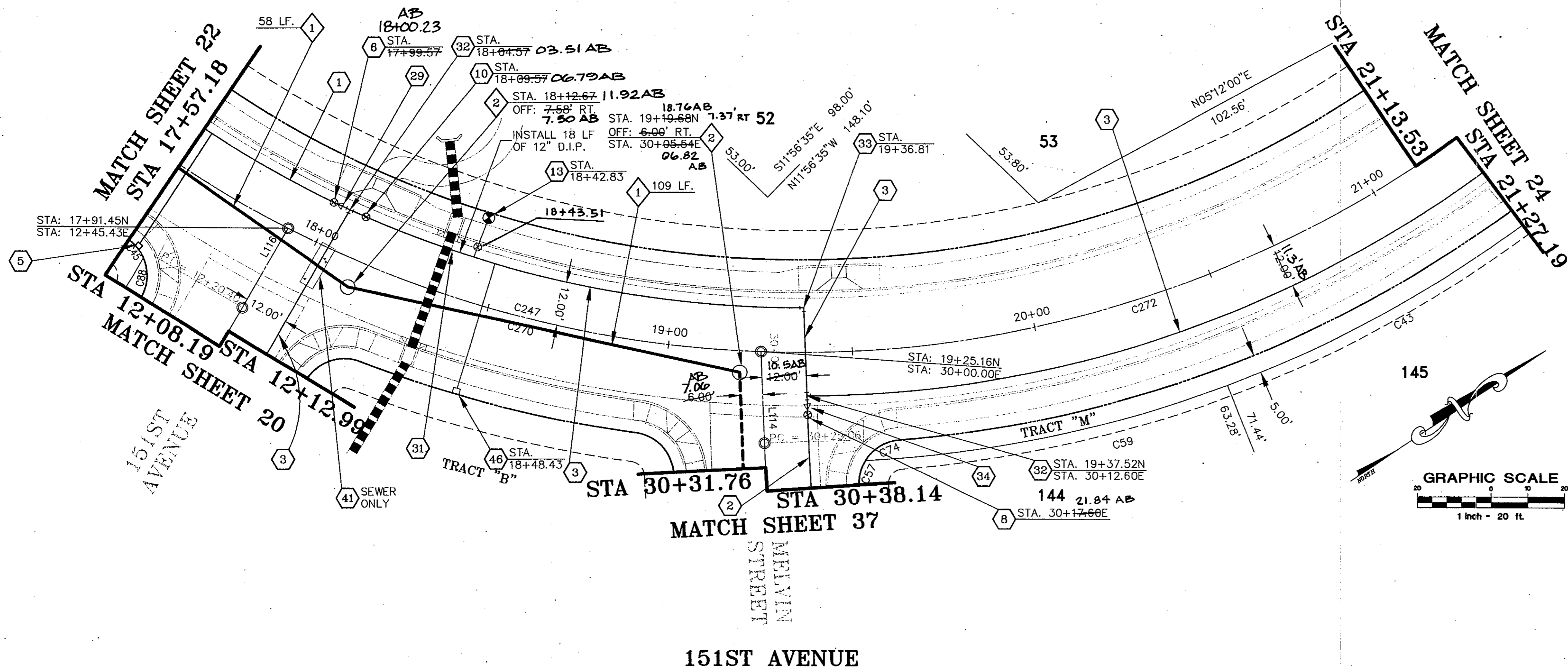
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Drawn by: DDD/RJ
Date: 07/08/98
Vertical Scale: 1"=20'
Horizontal Scale: 1"=20'

SEAL

31019
SHANE D. MCCLARA
Professional Engineer
ARIZONA, U.S.A.

JOB NUMBER
3735A

SHEET
22 OF 38

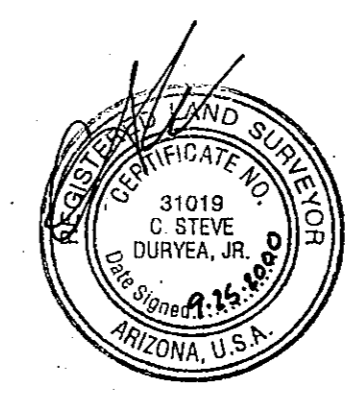


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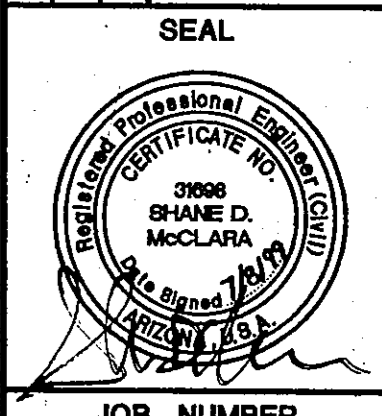
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WATER AND SEWER PLANS

| | | | |
|--------------|--------|----------------|----------|
| Designed by | JDJ | Checked by | SDM |
| Drawn by | DDJ/RJ | Date | 07/08/99 |
| Horiz. Scale | 1"=20' | Vertical Scale | |



JOB NUMBER
3735A

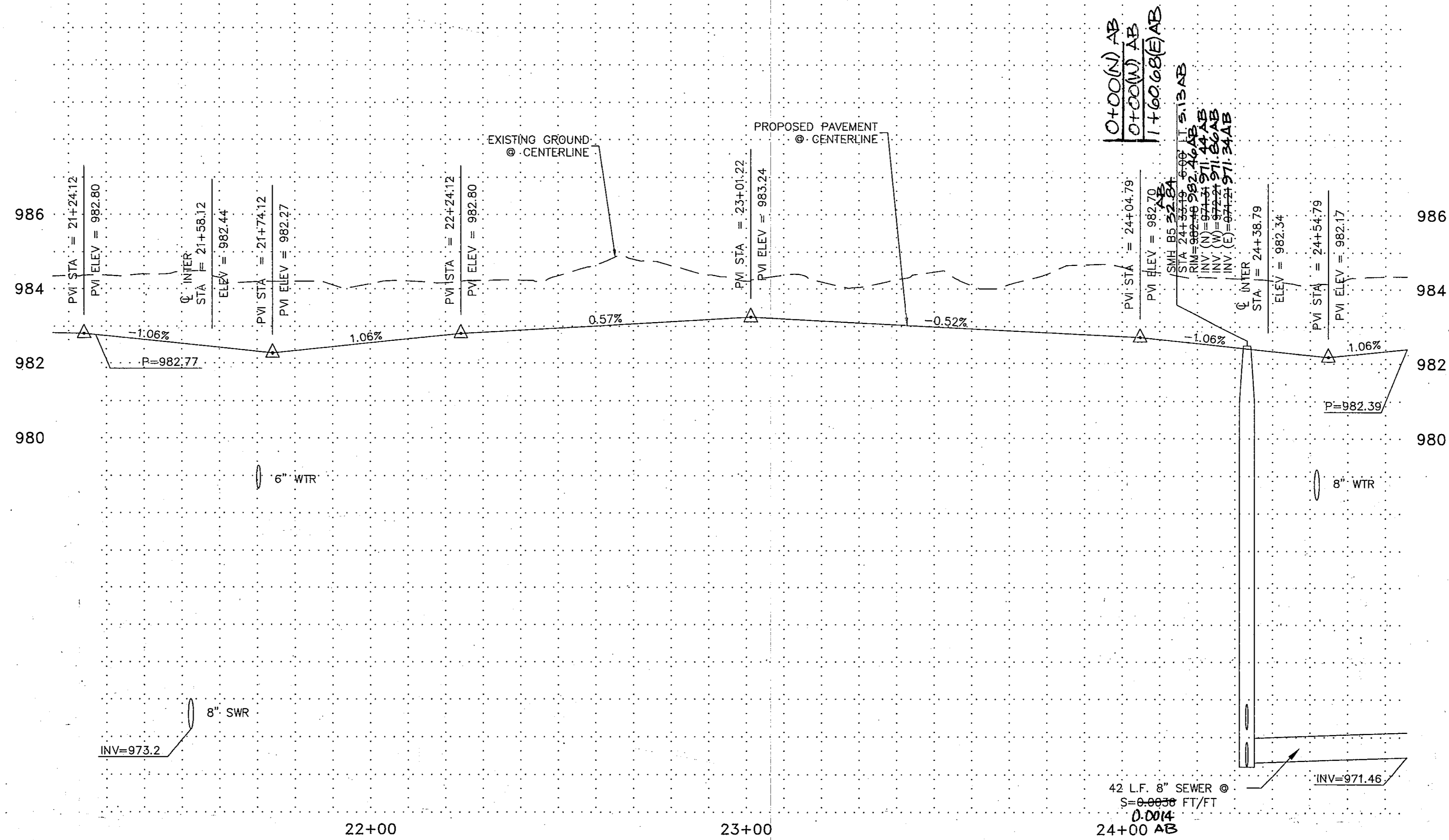
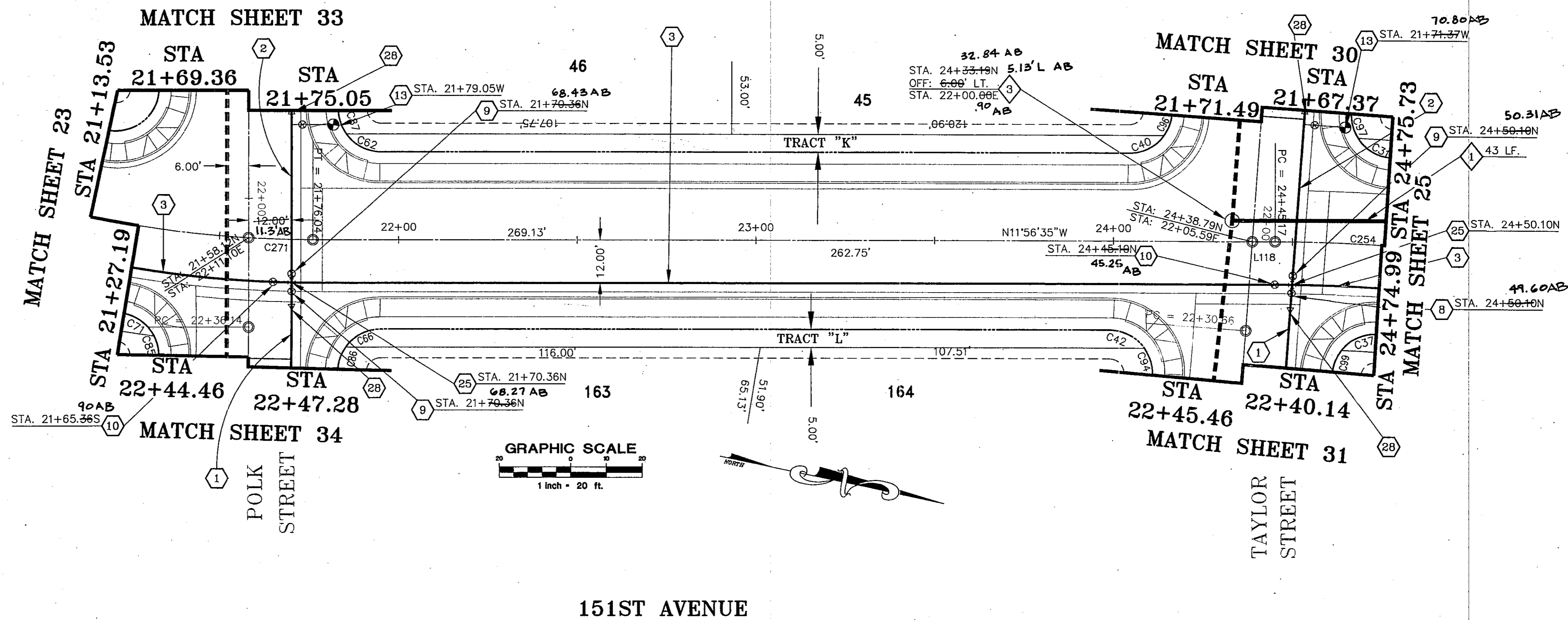
SHEET
23 OF 38

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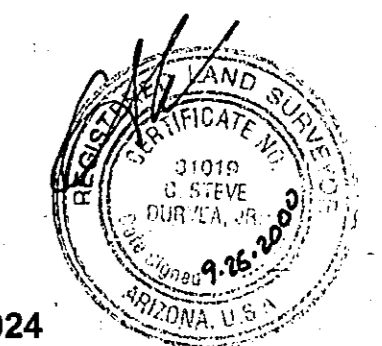
WATER AND SEWER PLANS

| Designed by | Checked by | SDM | Revisions | Date | By |
|----------------------|-----------------|-----|-----------|----------|----|
| DD/RJ | DD/RJ | | | 07/08/99 | |
| Horiz. Scale: 1"=20' | Vertical Scale: | | | | |

SEAL

JOB NUMBER
3735A

SHEET
24 OF 38



2000-062-C2-024

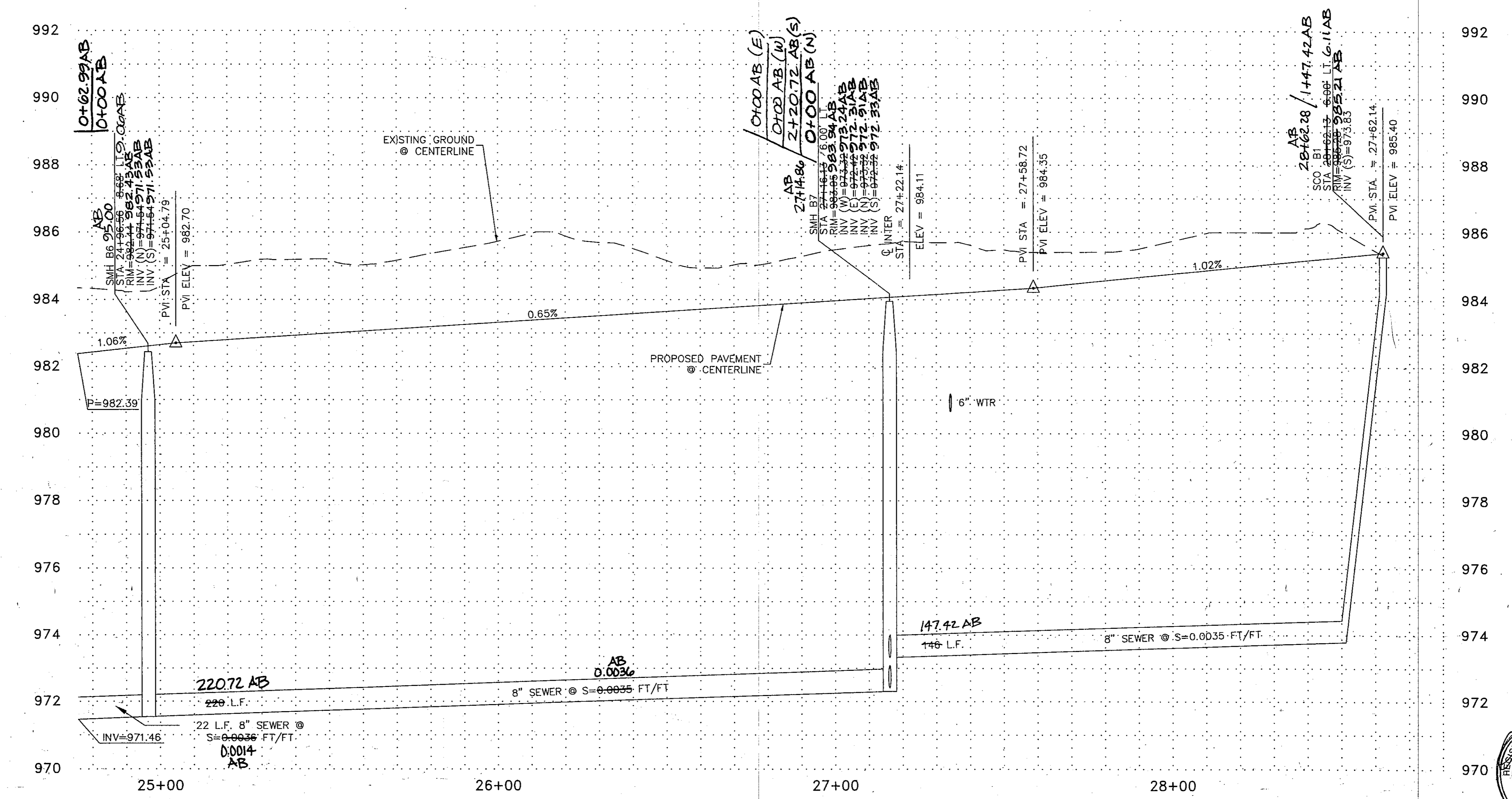
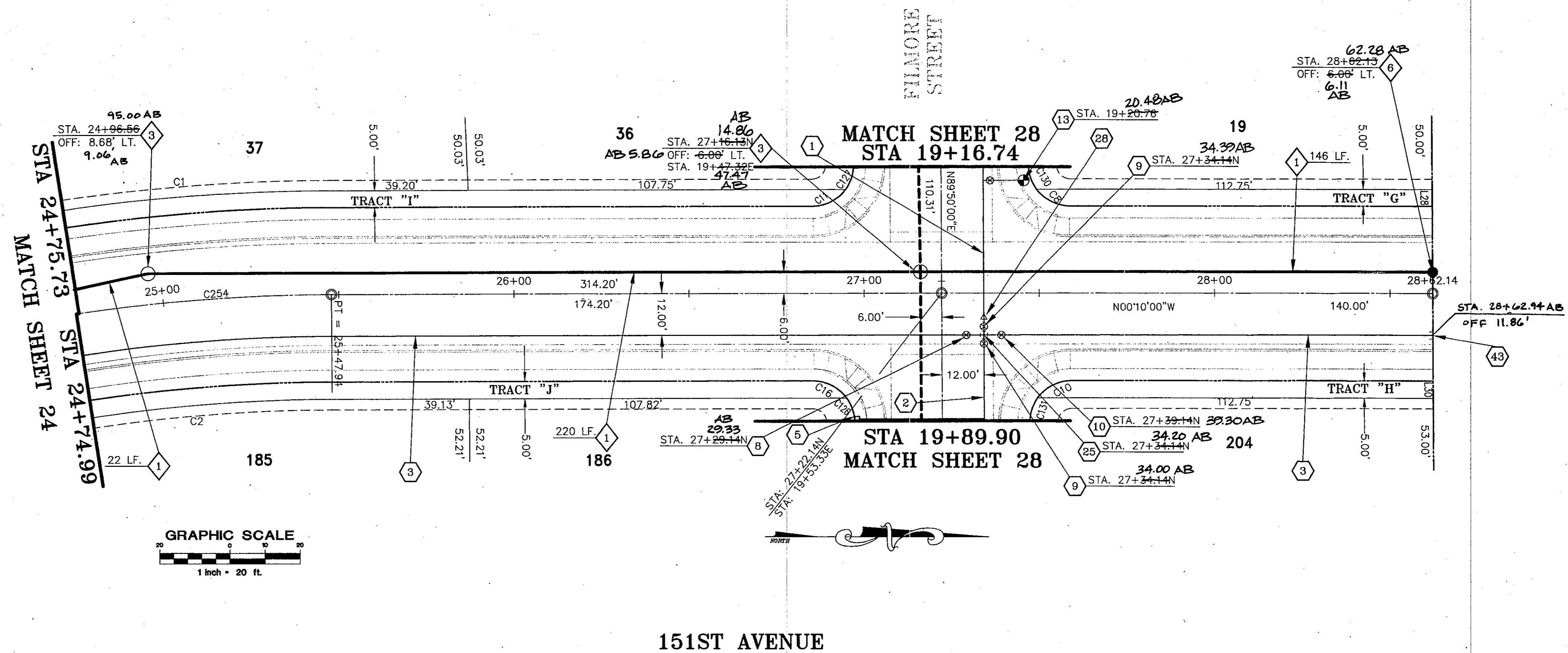
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SEWER CONSTRUCTION NOTES

- 1 INSTALL 8" SEWER PIPE.
- 2 CONSTRUCT 4' DIA. MH. PER M.A.G. STD. DET. 420 & 424 WITH TYPE "B" TOP.
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- 4 INSTALL 4" P.V.C. SEWER SERVICE CONNECTION PER M.A.G. STD. DET. 440, TYPE "A" (TYP. EACH LOT) LOCATION PER DETAIL ON SHEET 3.
- 5 CONTRACTOR TO VERIFY INVERT AND LOCATION OF EXISTING SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO MAKING CONNECTION TO EXISTING 8" STUB.
- 6 CONSTRUCT SEWER CLEANOUT PER M.A.G. STD. DET. 441.



2000-062-C2-025

RANCHO MIRAGE
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax: (602) 955-5443

WATER AND SEWER PLANS

| | | | |
|----------------------|-----------------|-----------|------|
| Designed by: jBJ | Checked by: SDM | Revisions | By |
| Drawn by: DDD/RJ | Date: 07/08/99 | | Date |
| Horiz. Scale: 1"=20' | Vertical Scale: | | |

SEAL
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 3108 SHANE D. MCCLARA
 No. 1108
 Exp. 12/31/00

JOB NUMBER
3735A

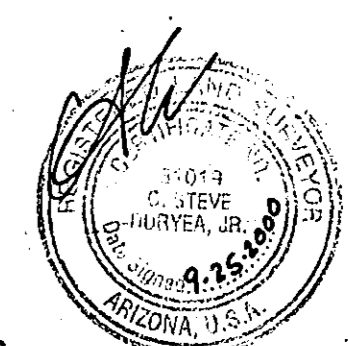
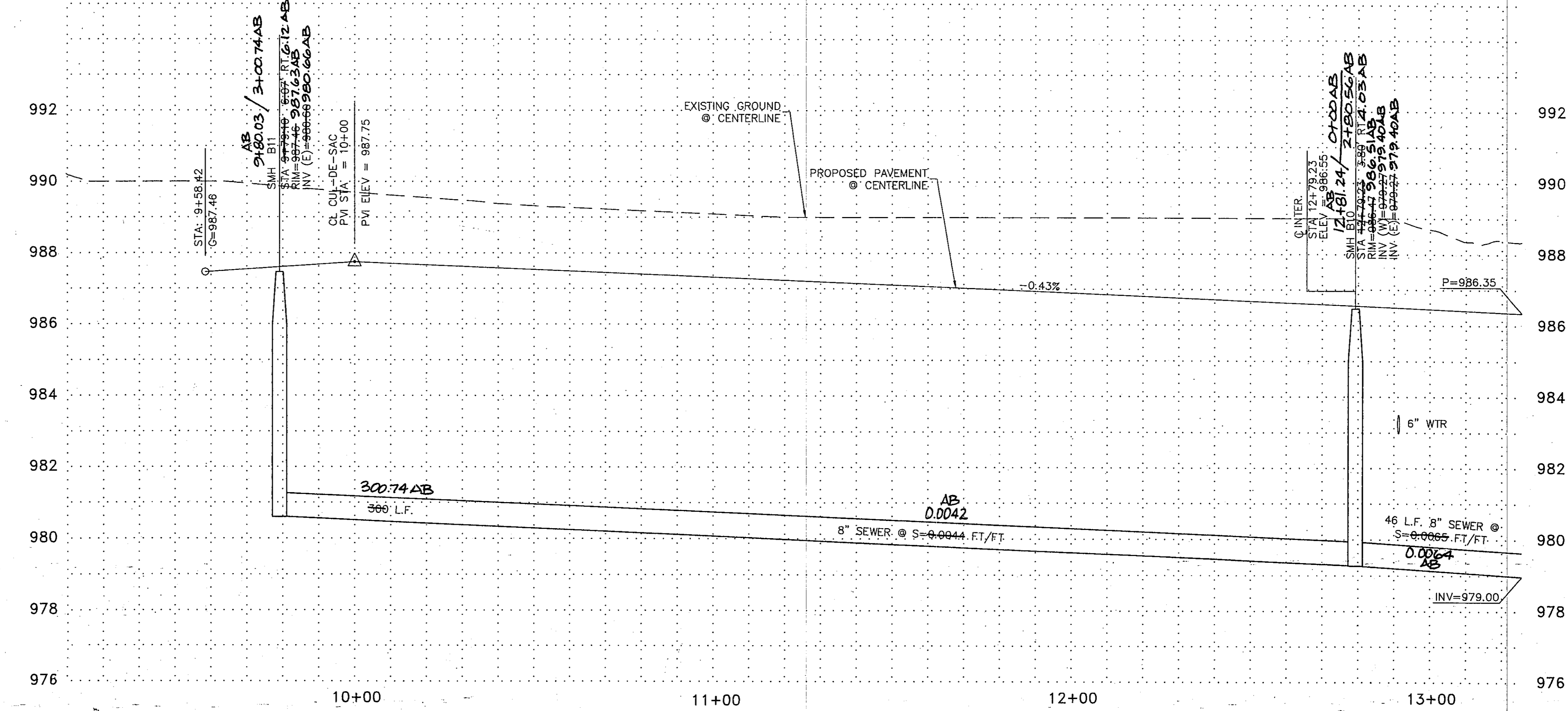
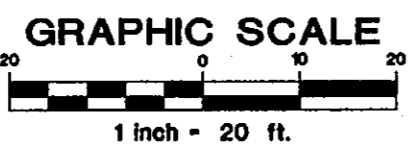
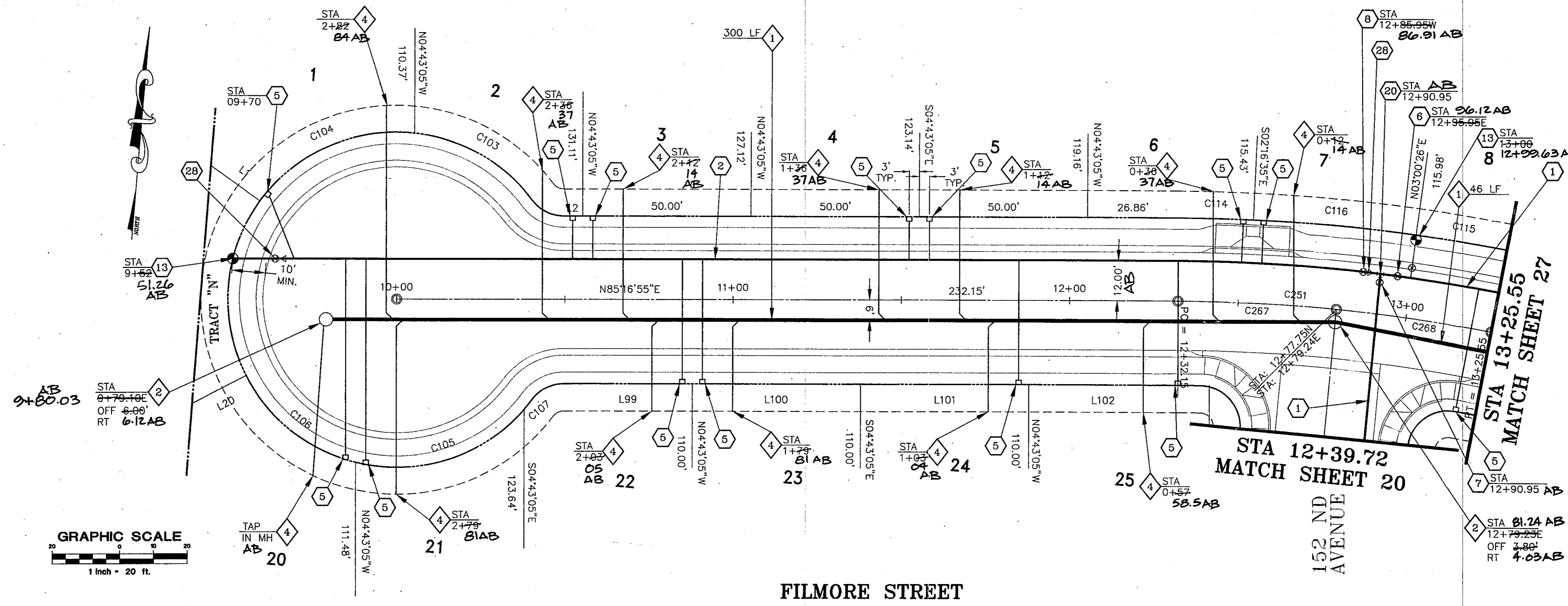
SHEET
25 OF 38

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- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
- 32 INSTALL 12" x 12" TEE.
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- 34 INSTALL 12" x 8" REDUCER
- 35 INSTALL 2" WATER TAP, SERVICE, CURB BOX, METER BOX AND COVER PER CITY OF GOODYEAR STD. DET. G-3310 AND G-3312. METER BOX TO BE LOCATED AS PER LANDSCAPE PLANS.
- 36 INSTALL 1 1/2" WATER TAP, SERVICE, CURB BOX, METER BOX AND COVER PER CITY OF GOODYEAR STD. DET. G-3310 AND G-3312. METER BOX TO BE LOCATED AS PER LANDSCAPE PLANS.
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| WATER AND SEWER PLANS | By | Date | Revisions | Checked by | SDM | Date | Vertical Scale |
| | | | | | | | |
| | | | | | | | |
| SEAL | | | | | | | |
| JOB NUMBER | | | | | | | |
| 3735A | | | | | | | |
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| 26 OF 38 | | | | | | | |

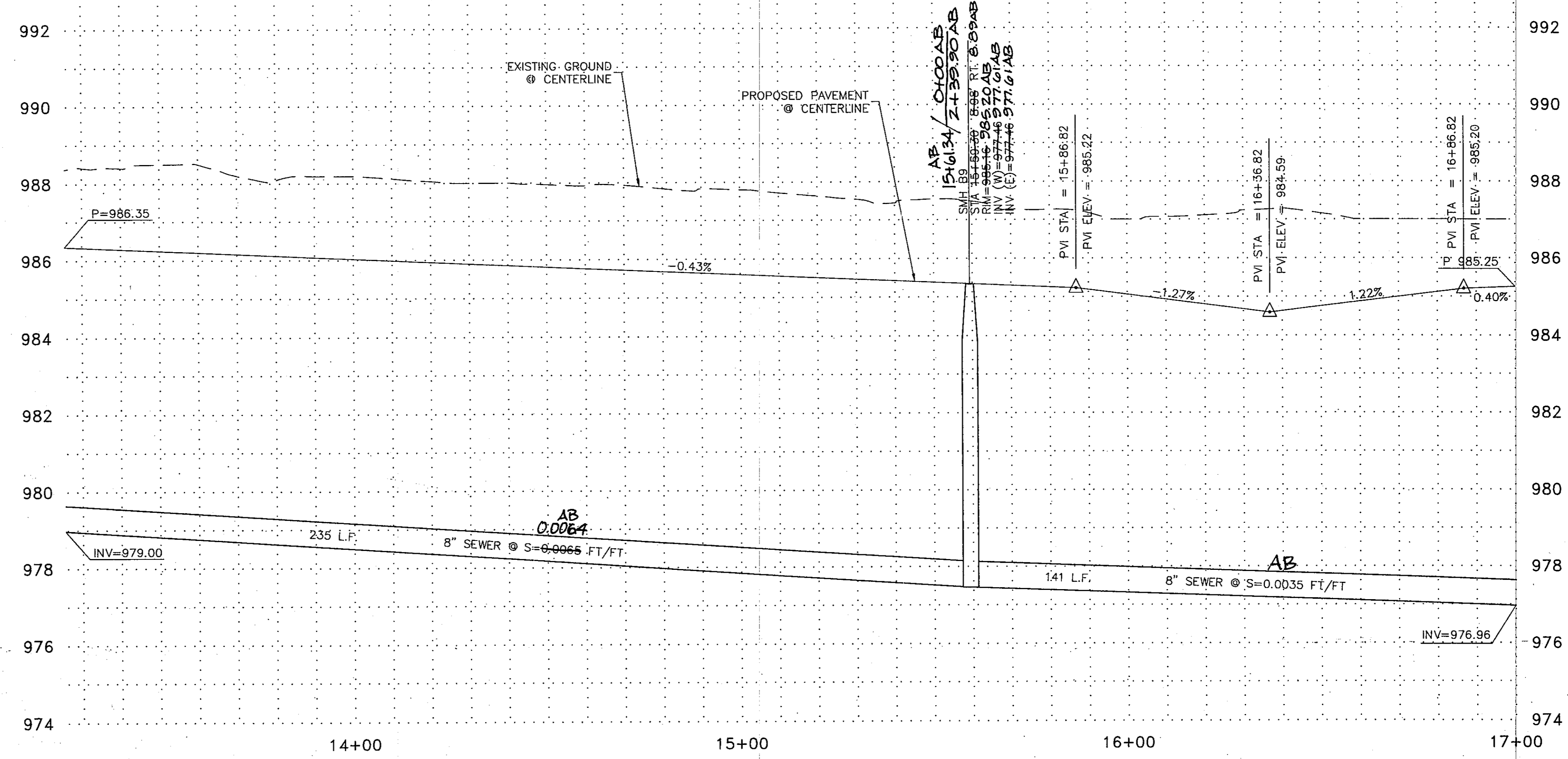
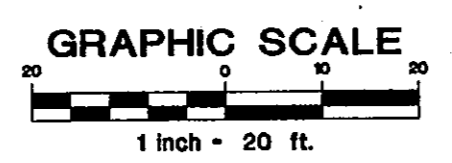
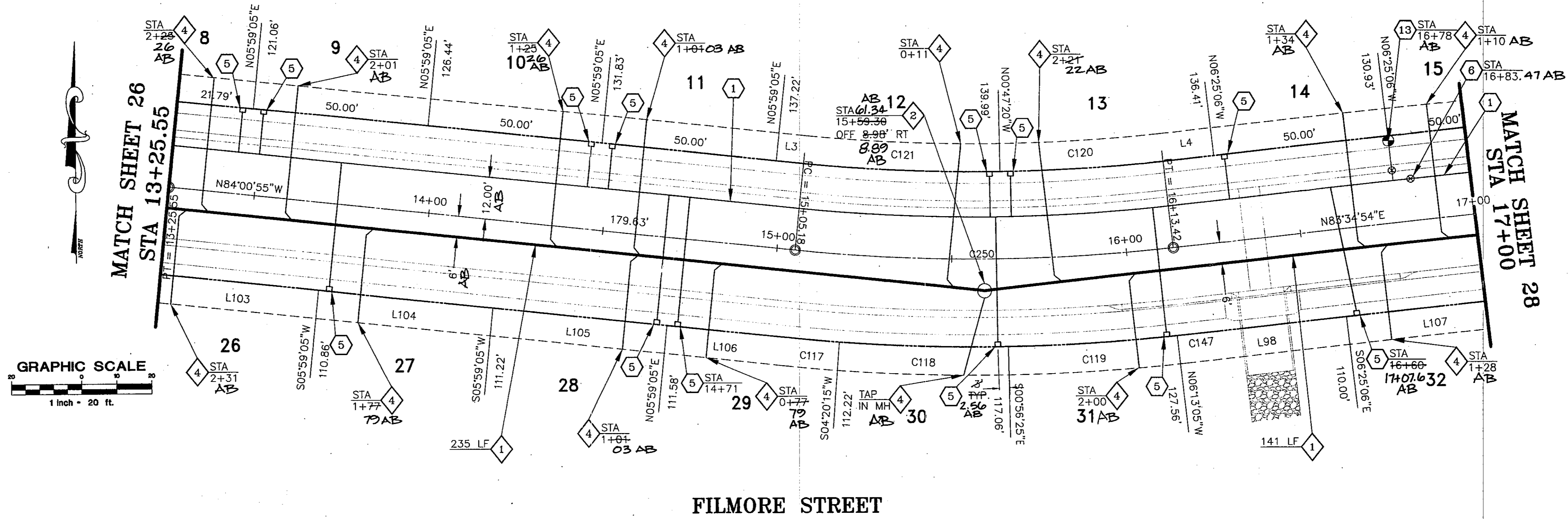
RANCHO MIRAGE
Hook Engineering, Inc.
 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 956-5443

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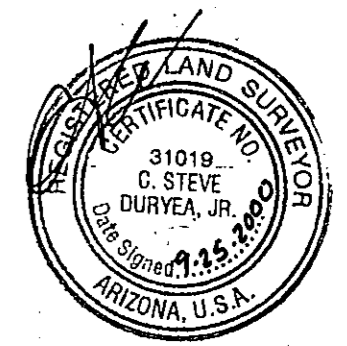


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WATER AND SEWER PLANS

| | | | |
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| Designed by: JBJ | Checked by: SDM | Date: 07/08/99 | Date: |
| Drawn by: DDD/RJ | Date: | Vertical Scale: | |
| Horiz. Scale: 1"=20' | | | |

JOB NUMBER
3735A
SHEET
27 OF 38



2000-062-C2-027

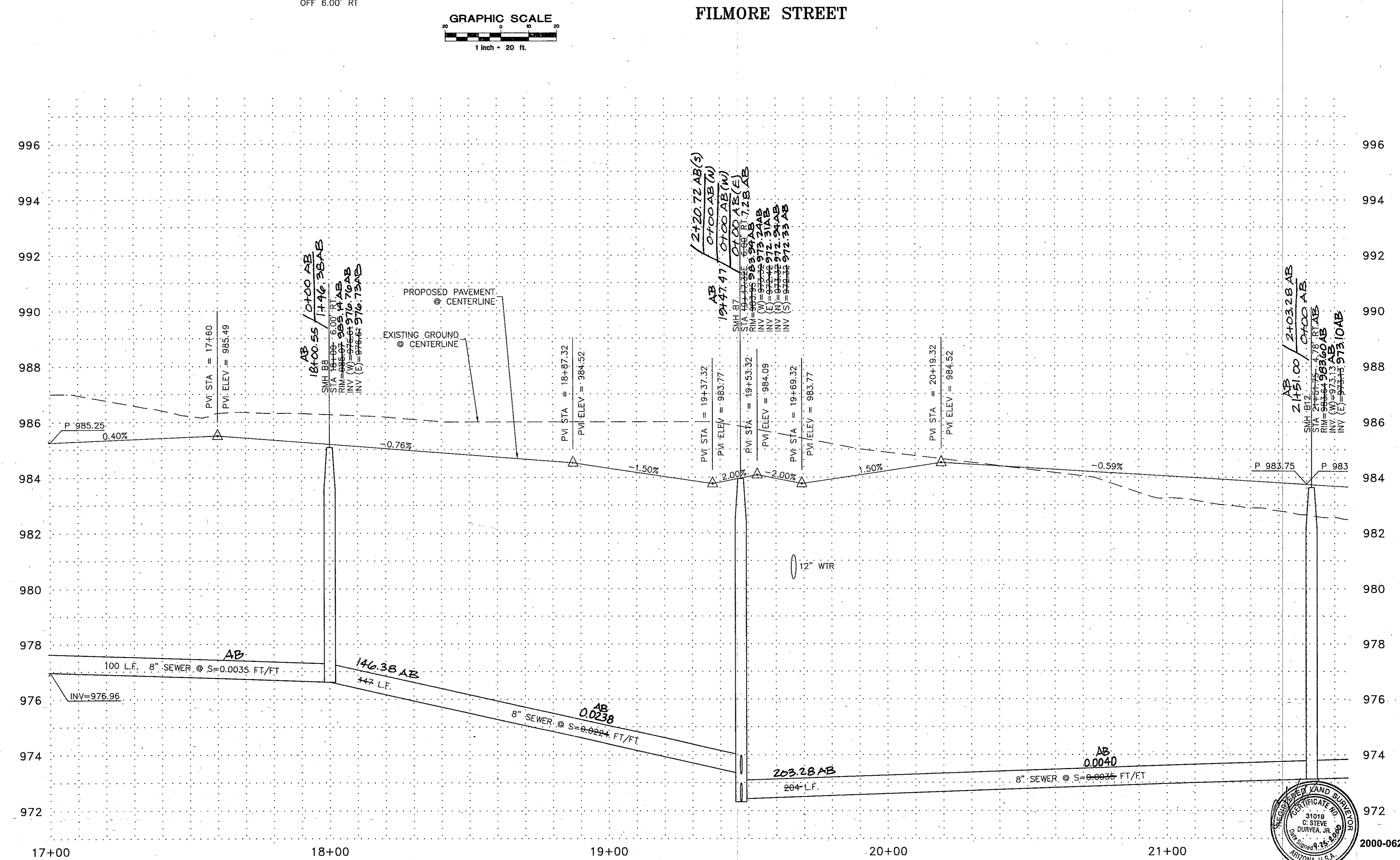
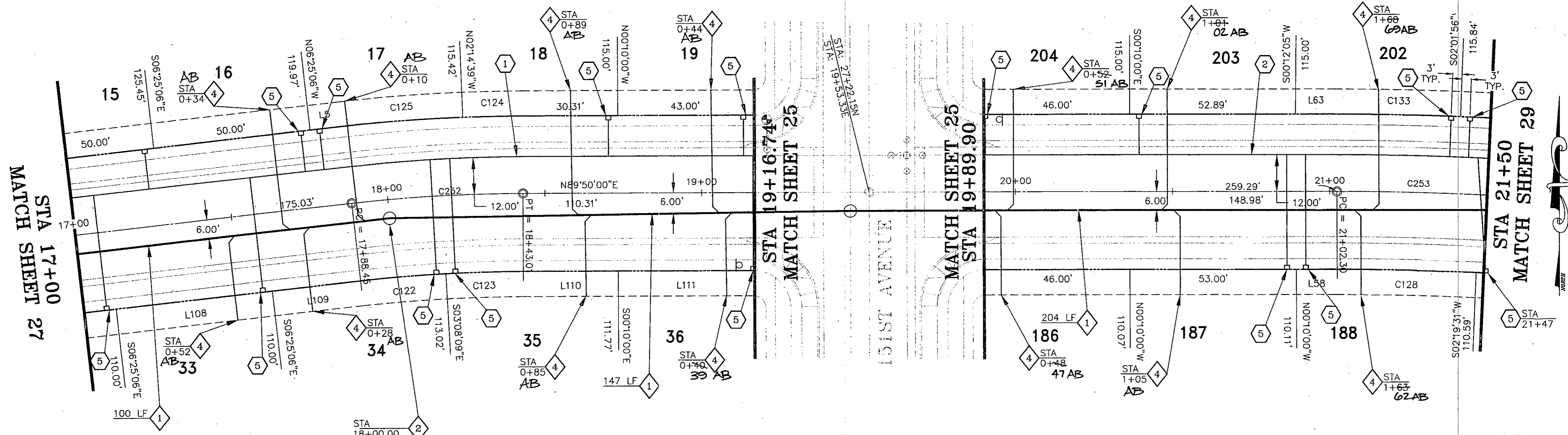
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SEWER CONSTRUCTION NOTES

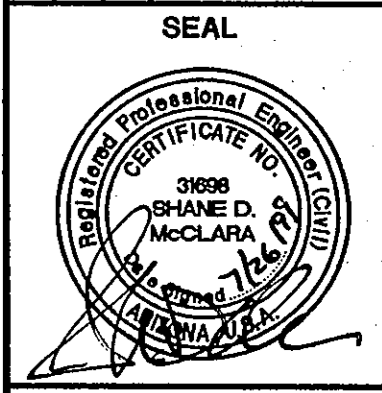
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| Designed by: JDU | Checked by: SDM | Revisions: | By: |
| Drawn by: DDD/RJ | Date: 07/08/99 | Vertical Scale: | Date: |
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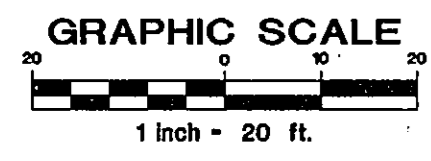
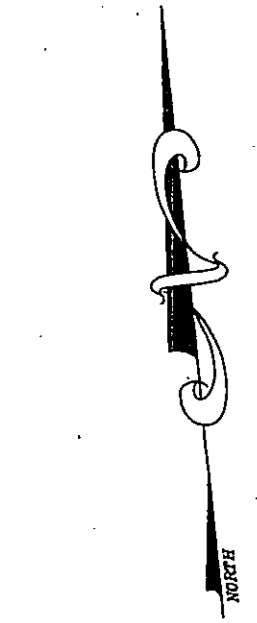
JOB NUMBER
3735A

SHEET
28 OF 38

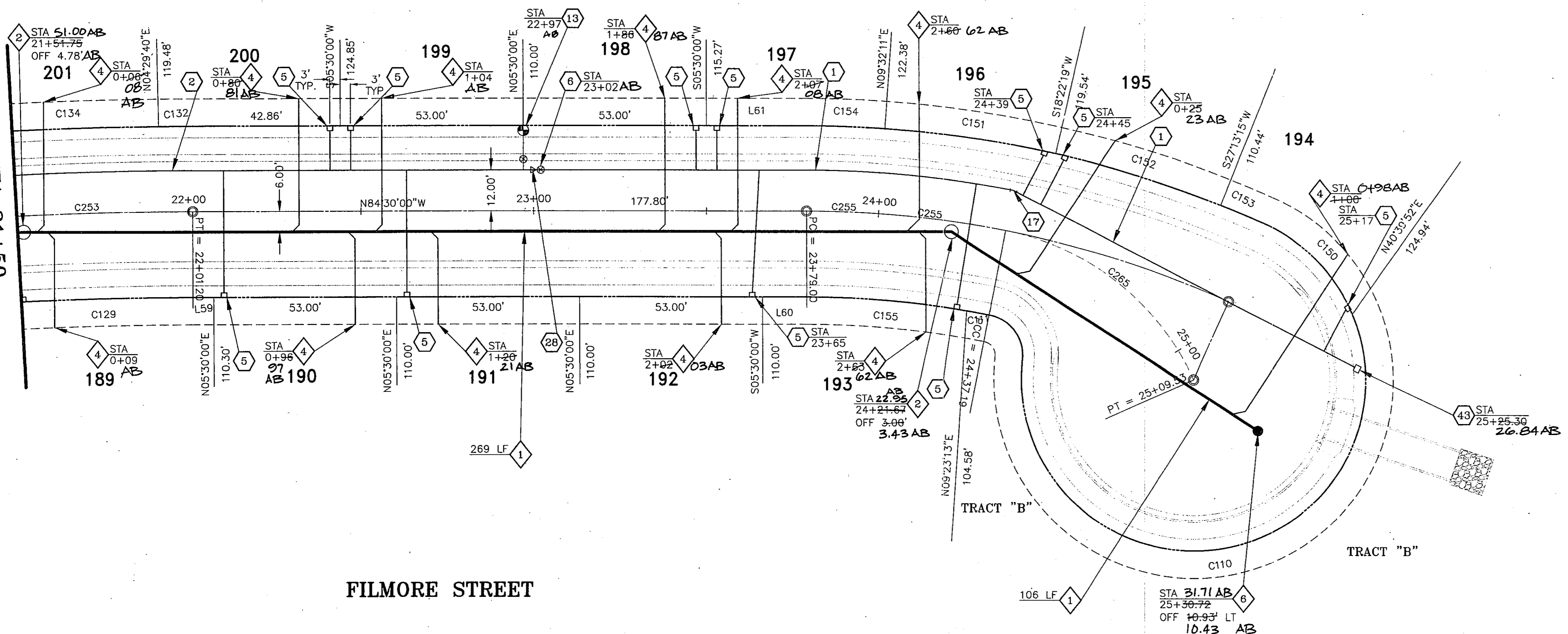


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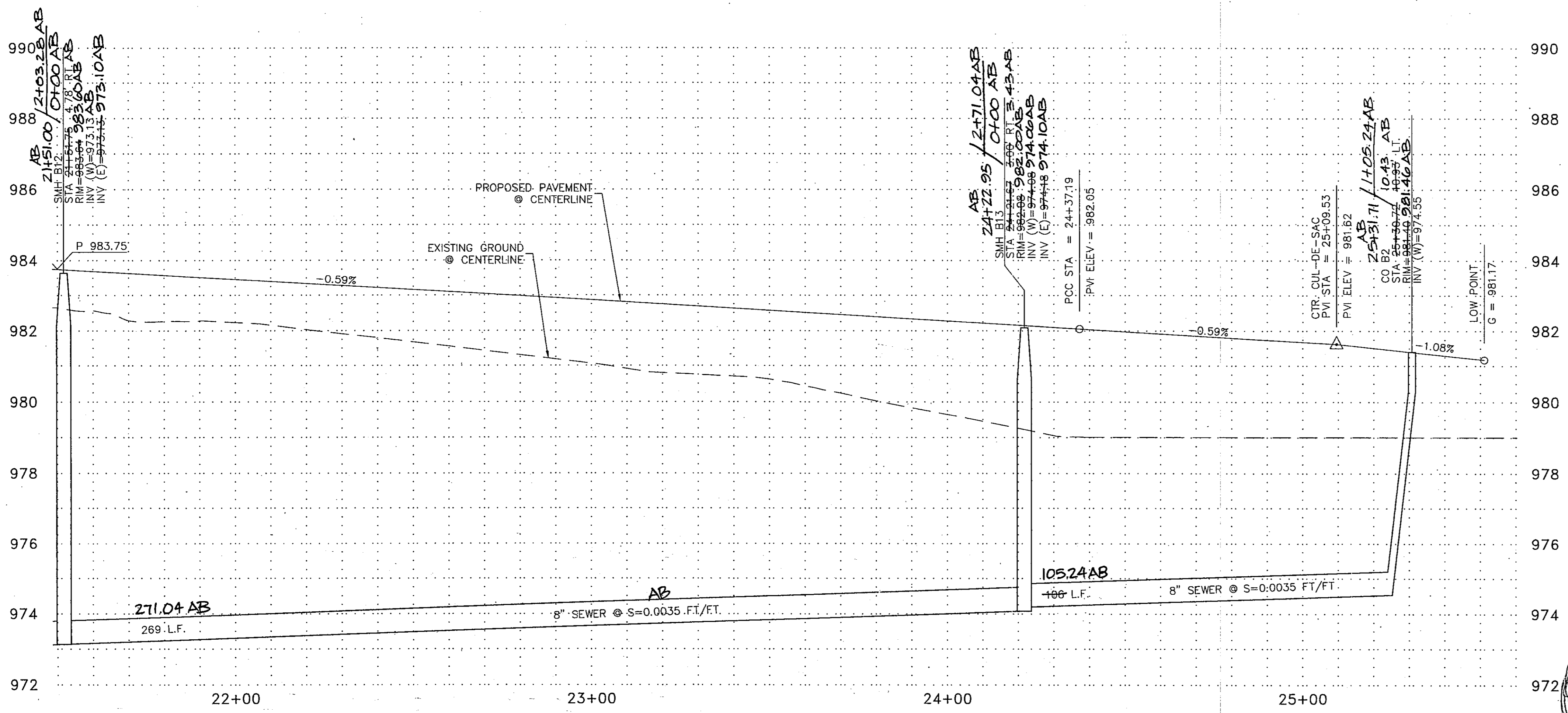
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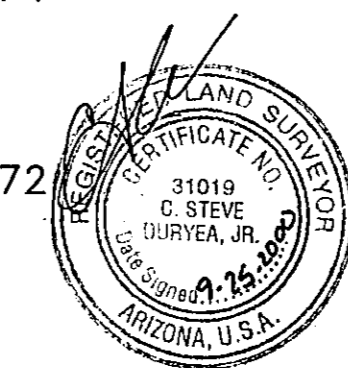


FILMORE STREET



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| JDJ | | 07/08/99 | |
| DDD/RJ | | | |

DESIGNED BY: JJJ
DRAWN BY: DDD/RJ
HORIZ. SCALE: 1"=20'
VERTICAL SCALE: 1"=20'

SEAL

PROFESSIONAL ENGINEER
SHANE D. McCLARA
ARIZONA 07/08/99

JOB NUMBER
3735A

SHEET
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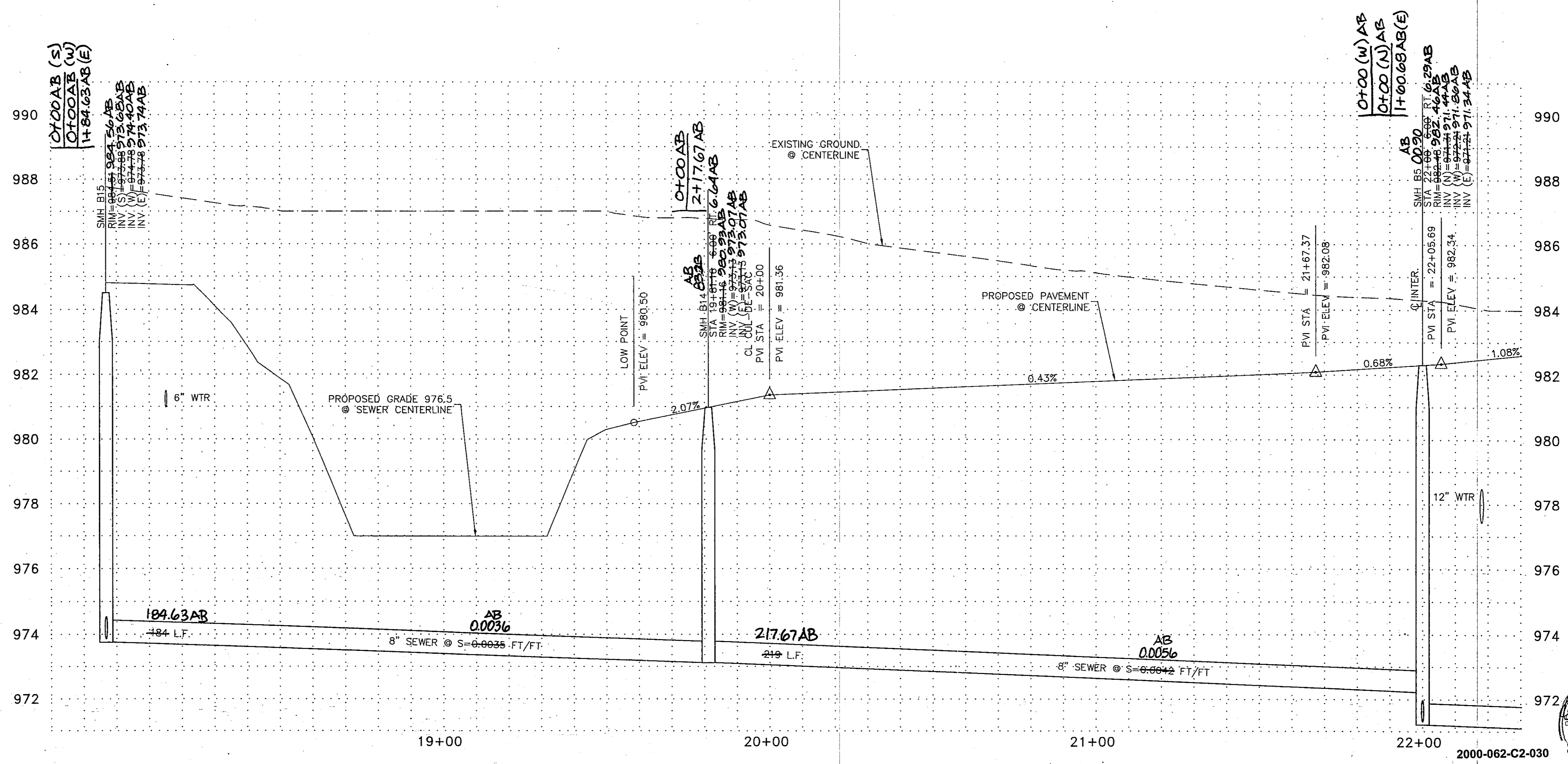
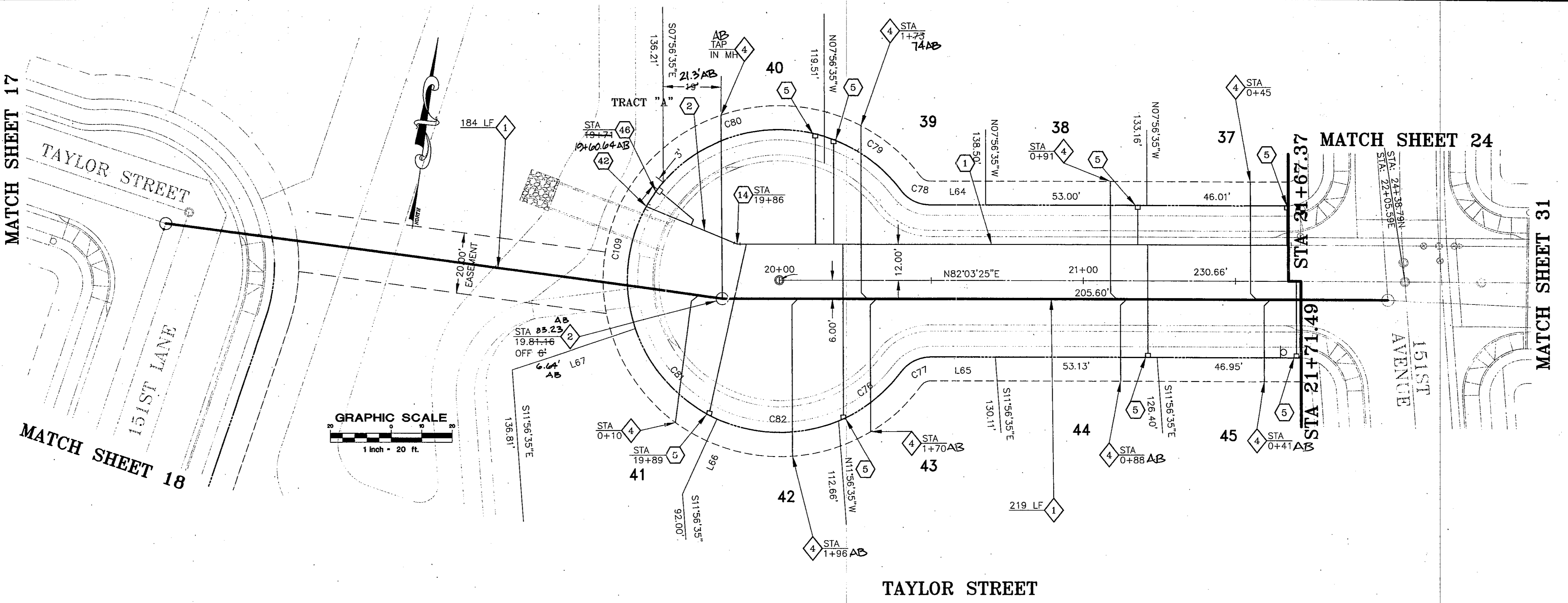
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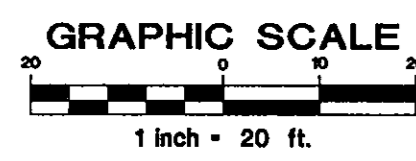
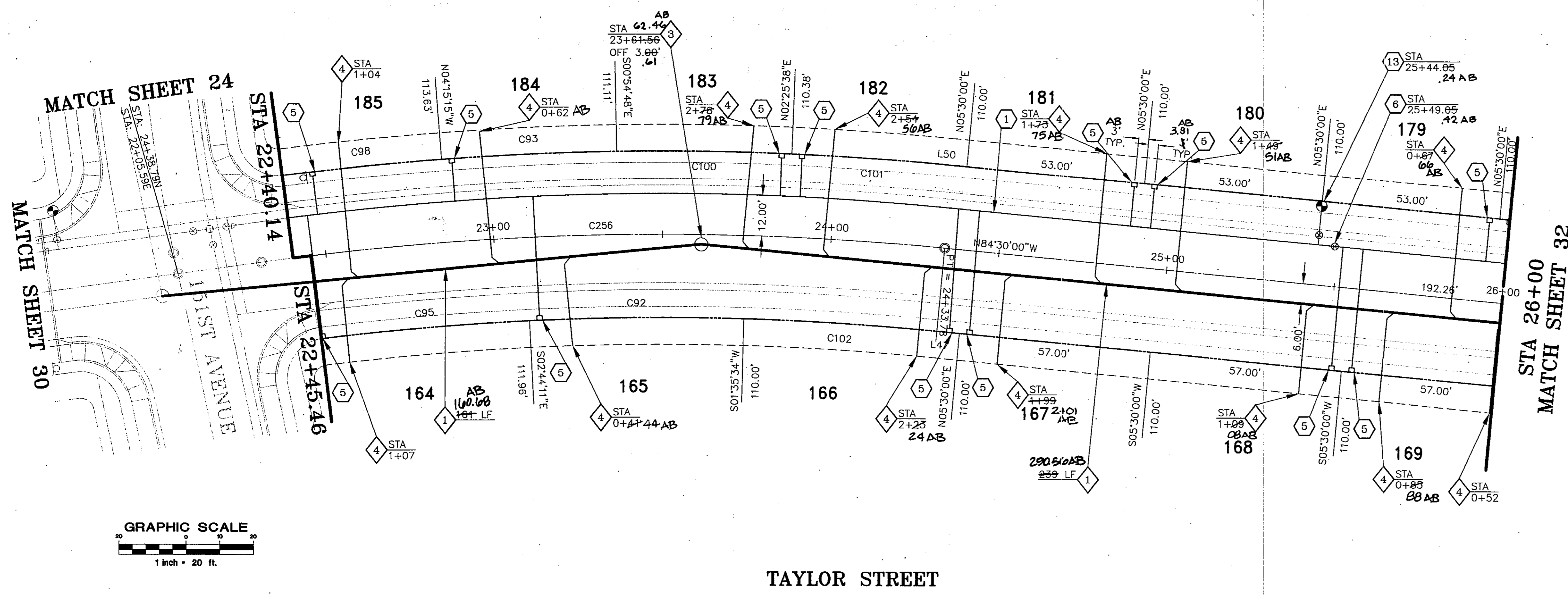
RANCHO MIRAGE
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 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax: (602) 955-5443

WATER AND SEWER PLANS

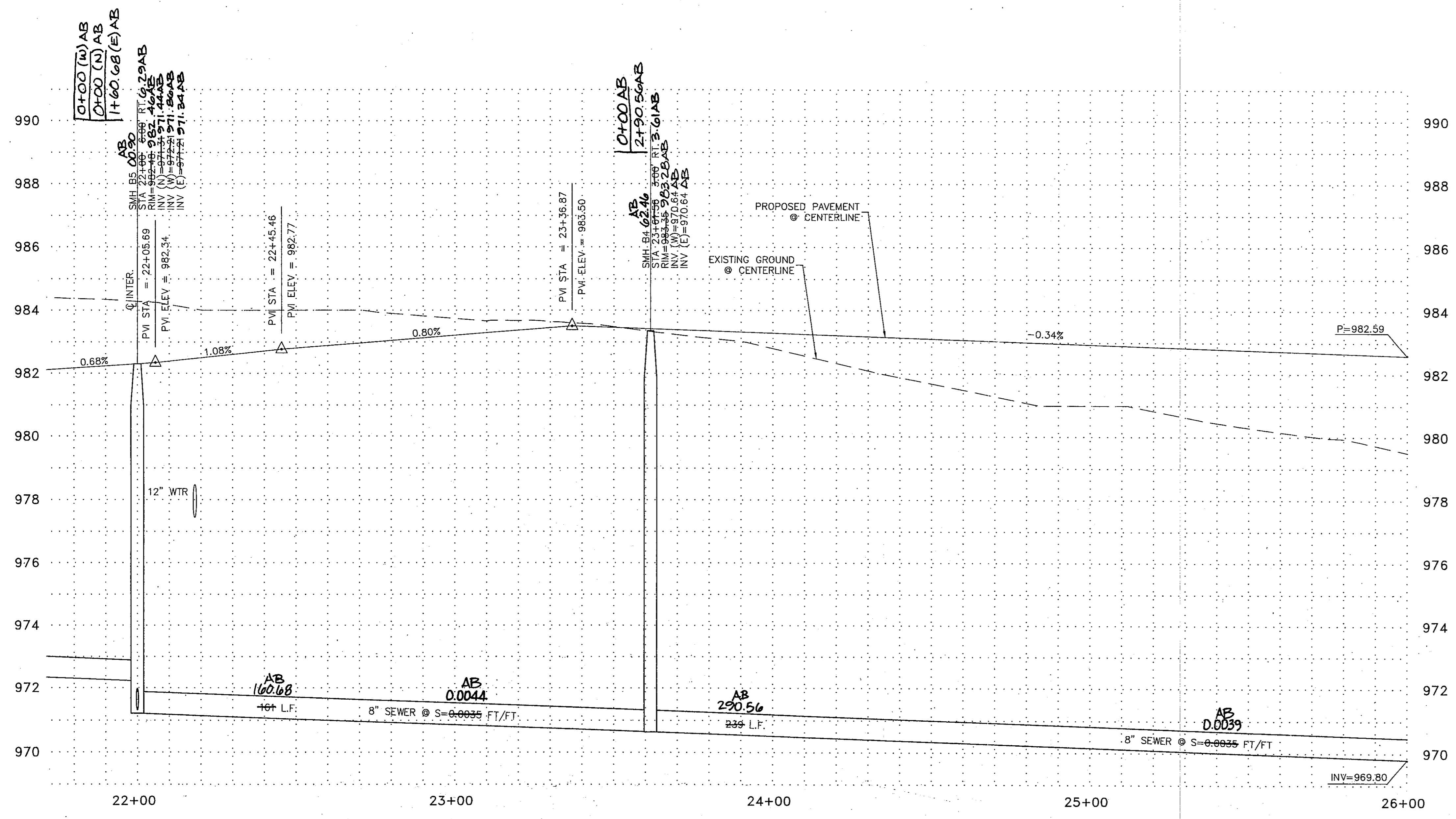
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| Drawn by: DDD/RJ | Date: 07/08/99 | Vertical Scale: | Date: |
| Horiz. Scale: 1"=20' | | | |

SEAL
 3735A
 SHEET
 30 OF 38

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TAYLOR STREET

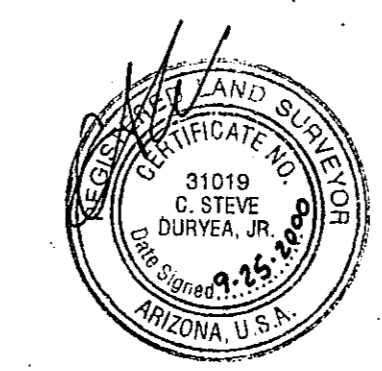


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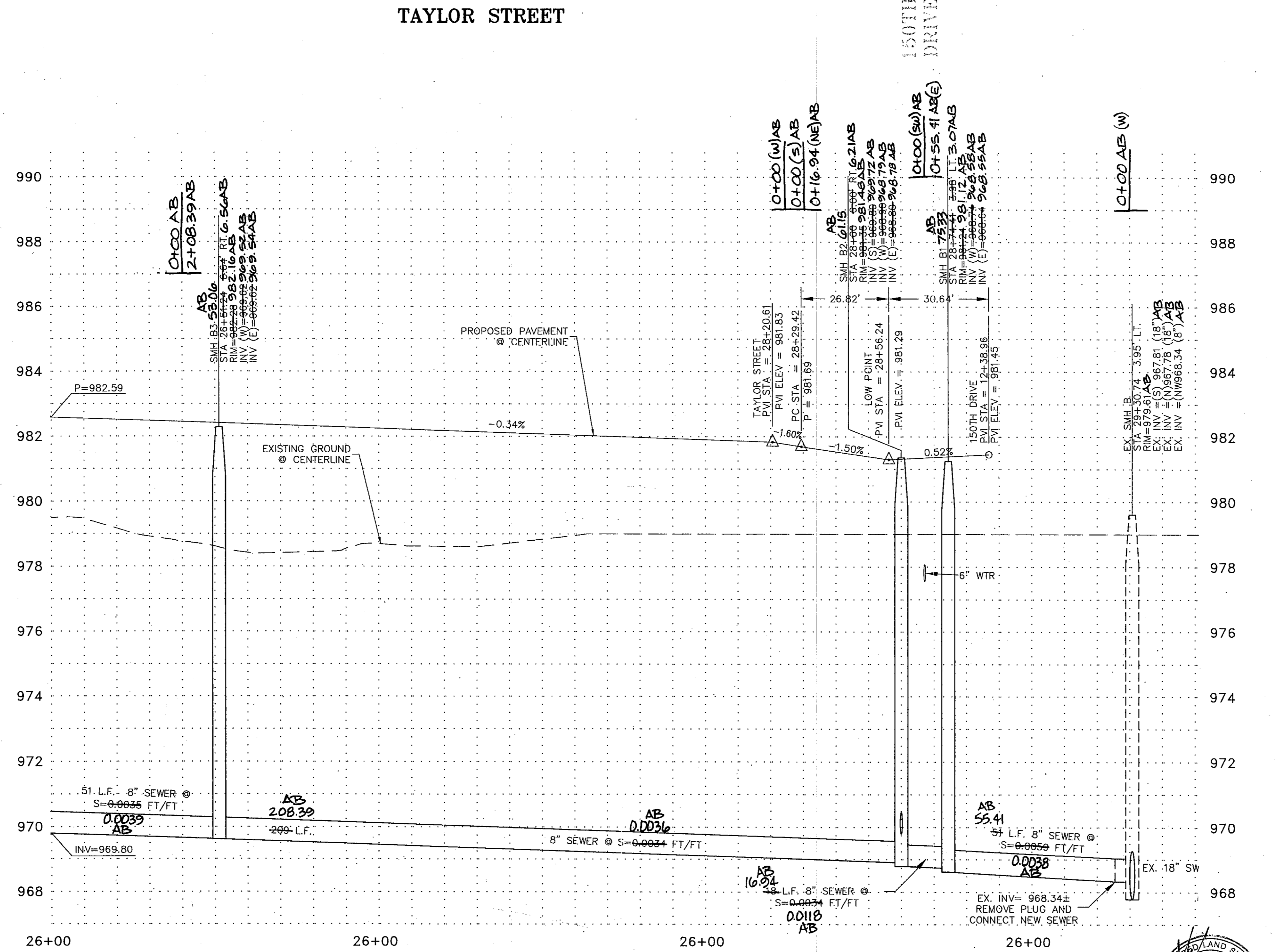
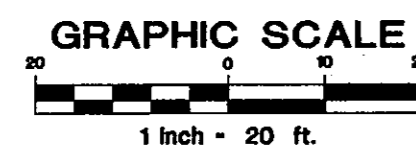
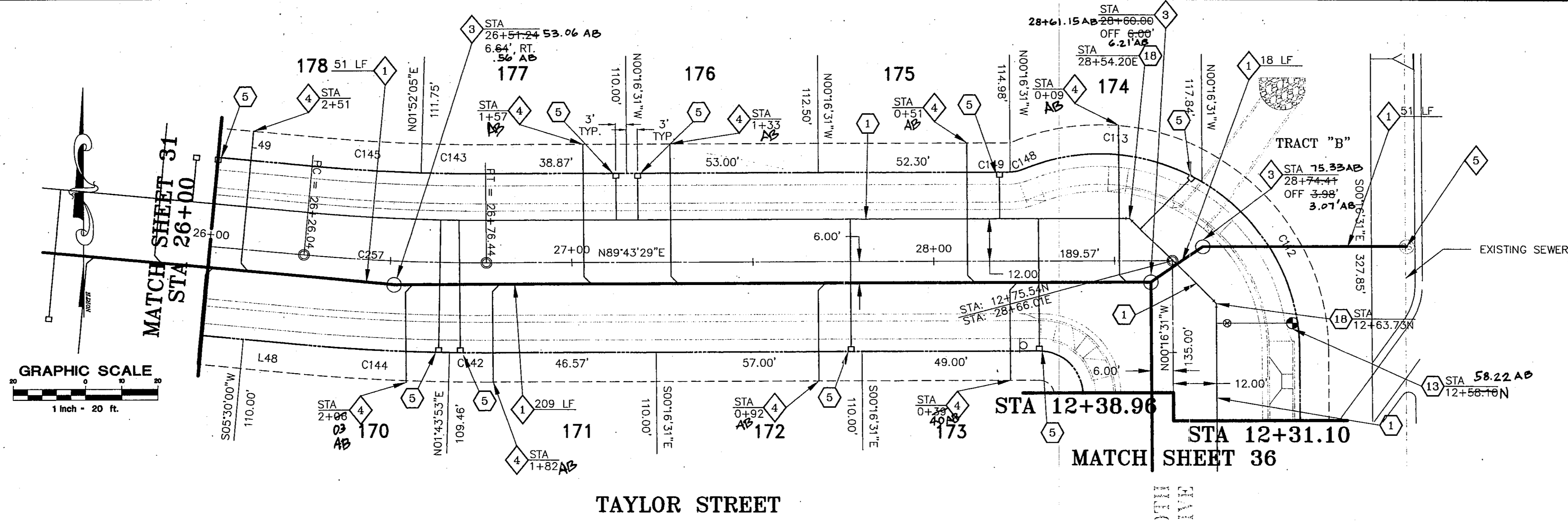
WATER AND SEWER PLANS

| Designed by | SDM | Checked by | DDJ | Drawn by | DDD/RJ | Horizontal Scale | 1"=20' | Vertical Scale | Revisions | Date | By |
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SEAL

JOB NUMBER
3735A

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31 OF 38

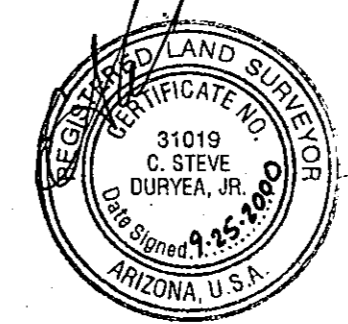


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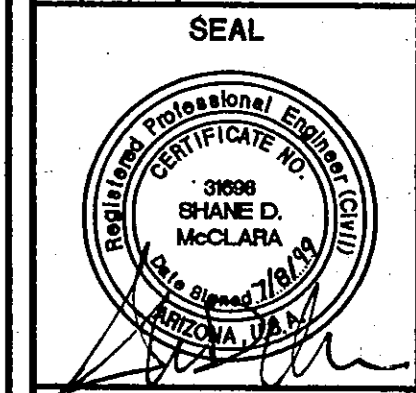
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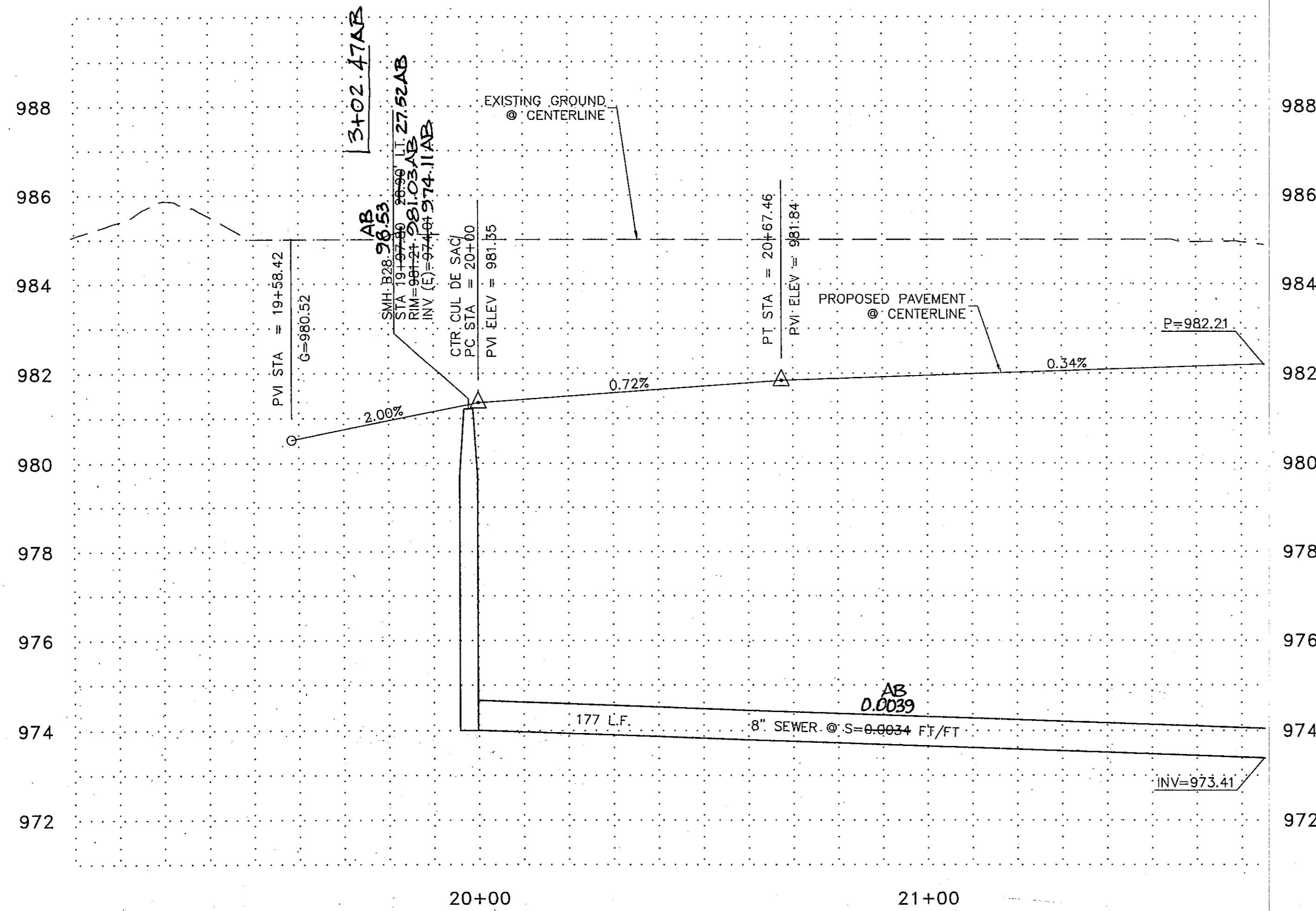
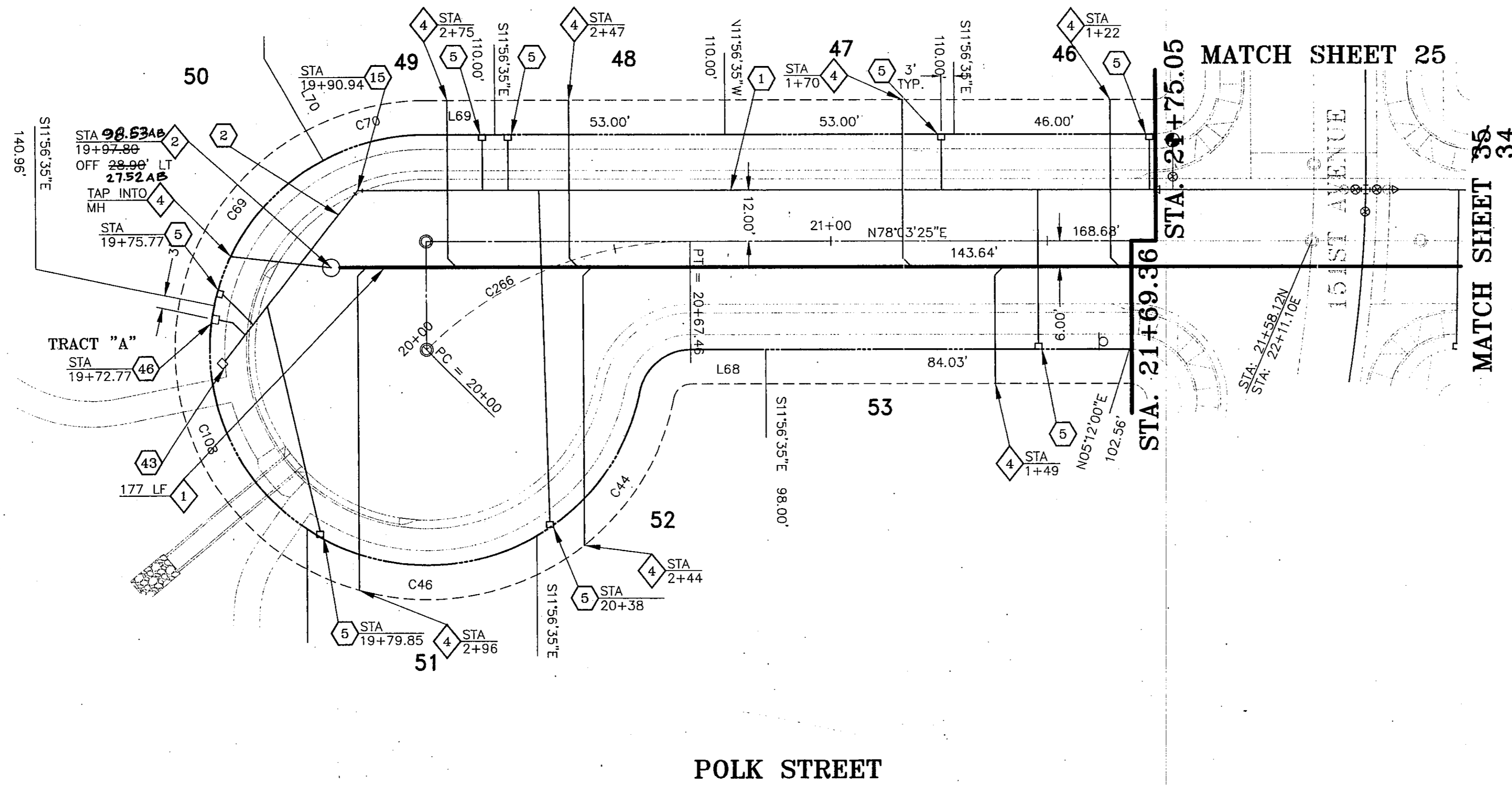
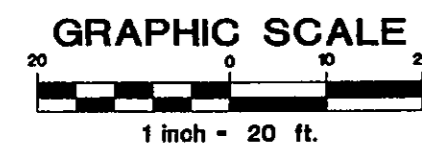
RANCHO MIRAGE
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 3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 956-5443

WATER AND SEWER PLANS

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| Designed by: JDU | Checked by: SDM | Revisions |
| Drawn by: DDD/RJ | Date: 07/08/99 | |
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JOB NUMBER
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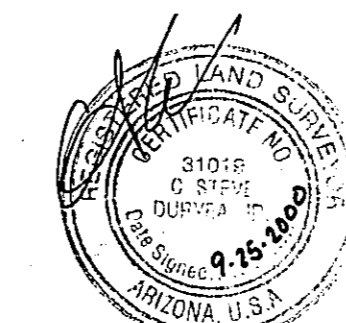


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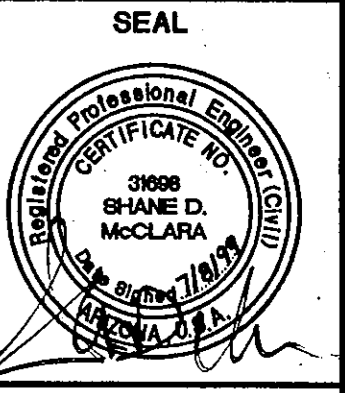
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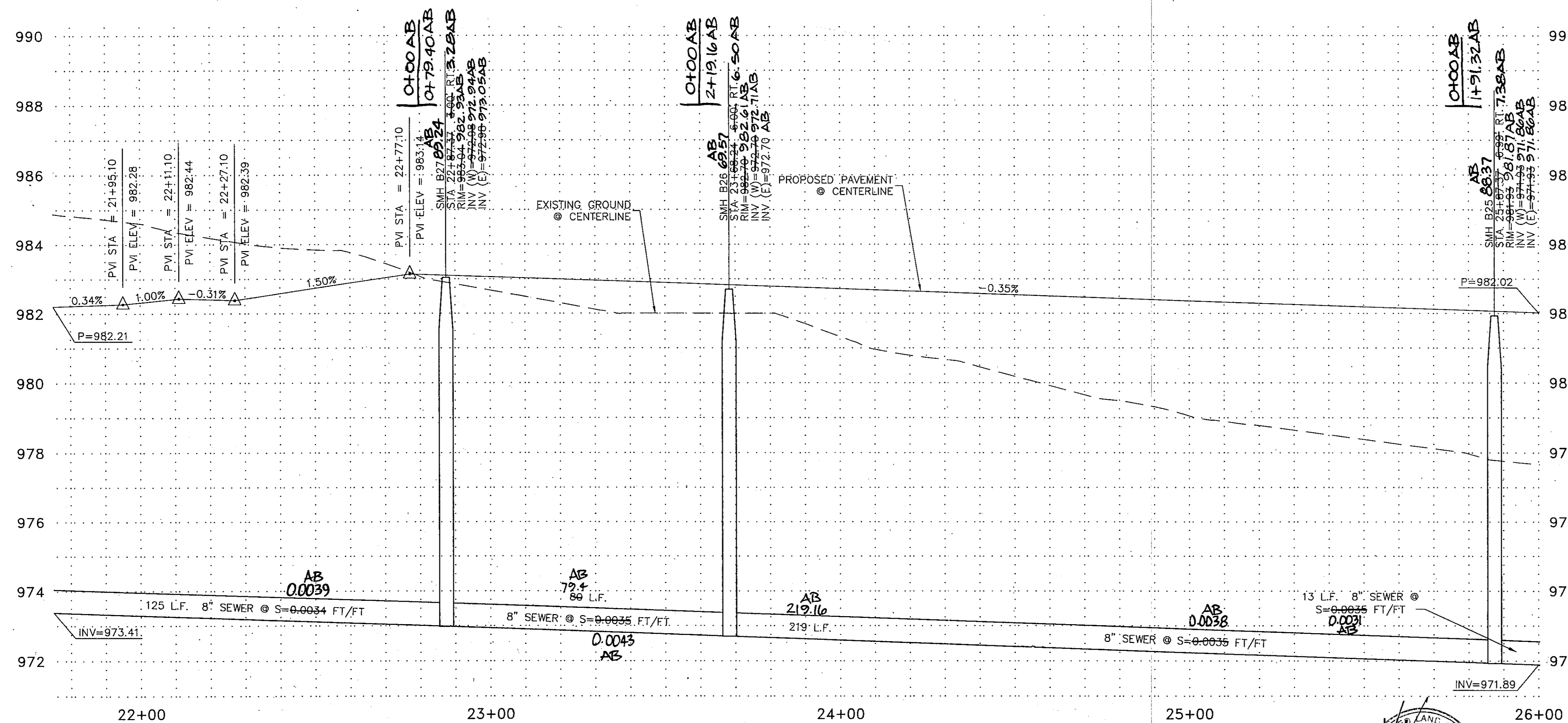
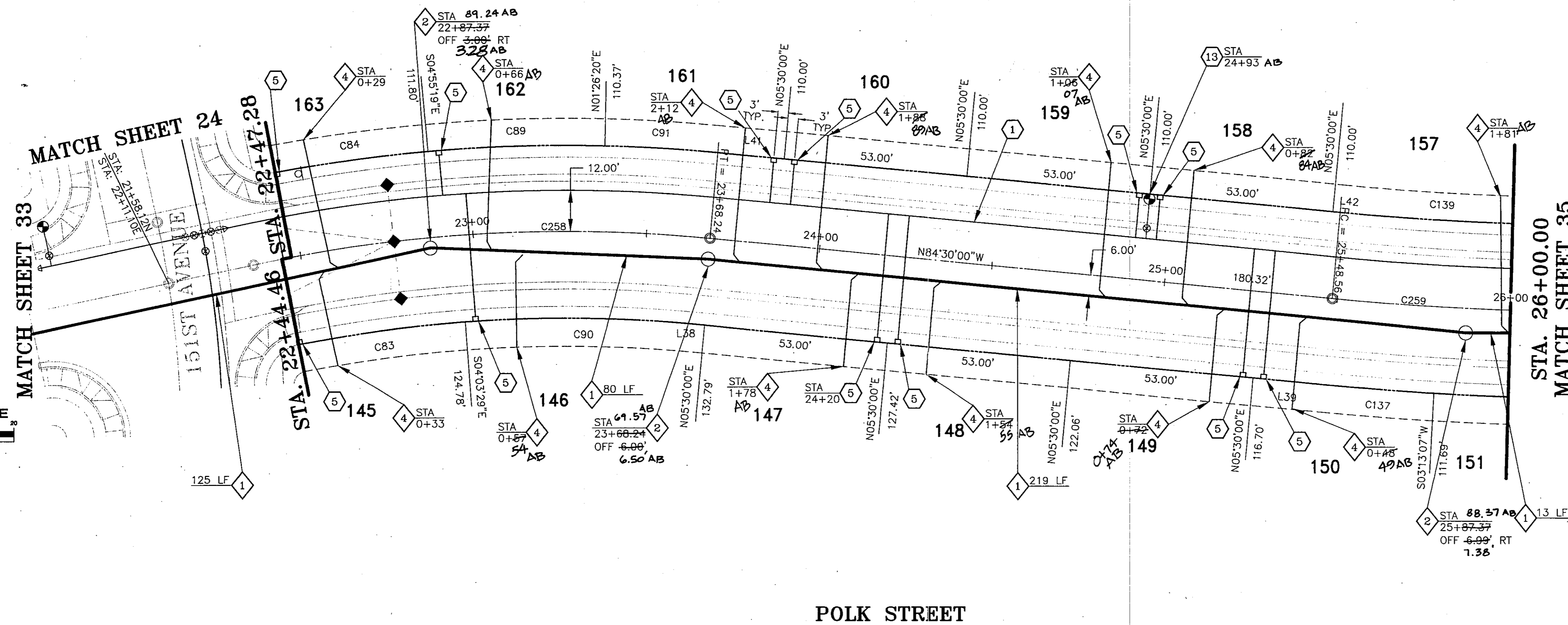
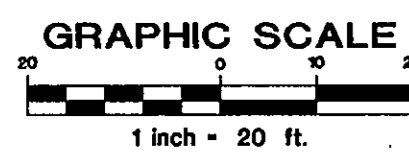
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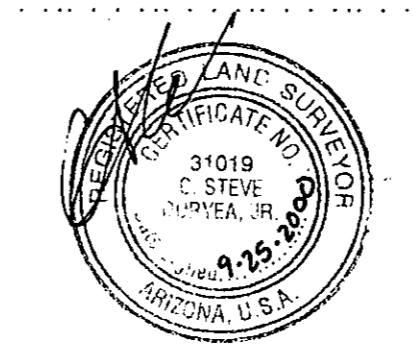


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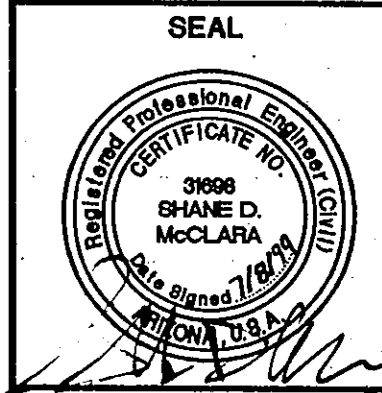
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- 31 STD. VERTICAL REALIGNMENT PER CITY OF GOODYEAR STD. DET. G-3301.
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|-----------------------|--------------------|-----------|------|
| Designed by: J.D.J. | Checked by: S.D.M. | Revisions | By |
| Drawn by: D.D.D./R.J. | Date: 07/08/99 | | Date |
| Horiz. Scale: 1"=20' | Vertical Scale: | | |



JOB NUMBER
3735A
SHEET

RANCHO MIRAGE
Hook Engineering, Inc.
3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax: (602) 956-5443

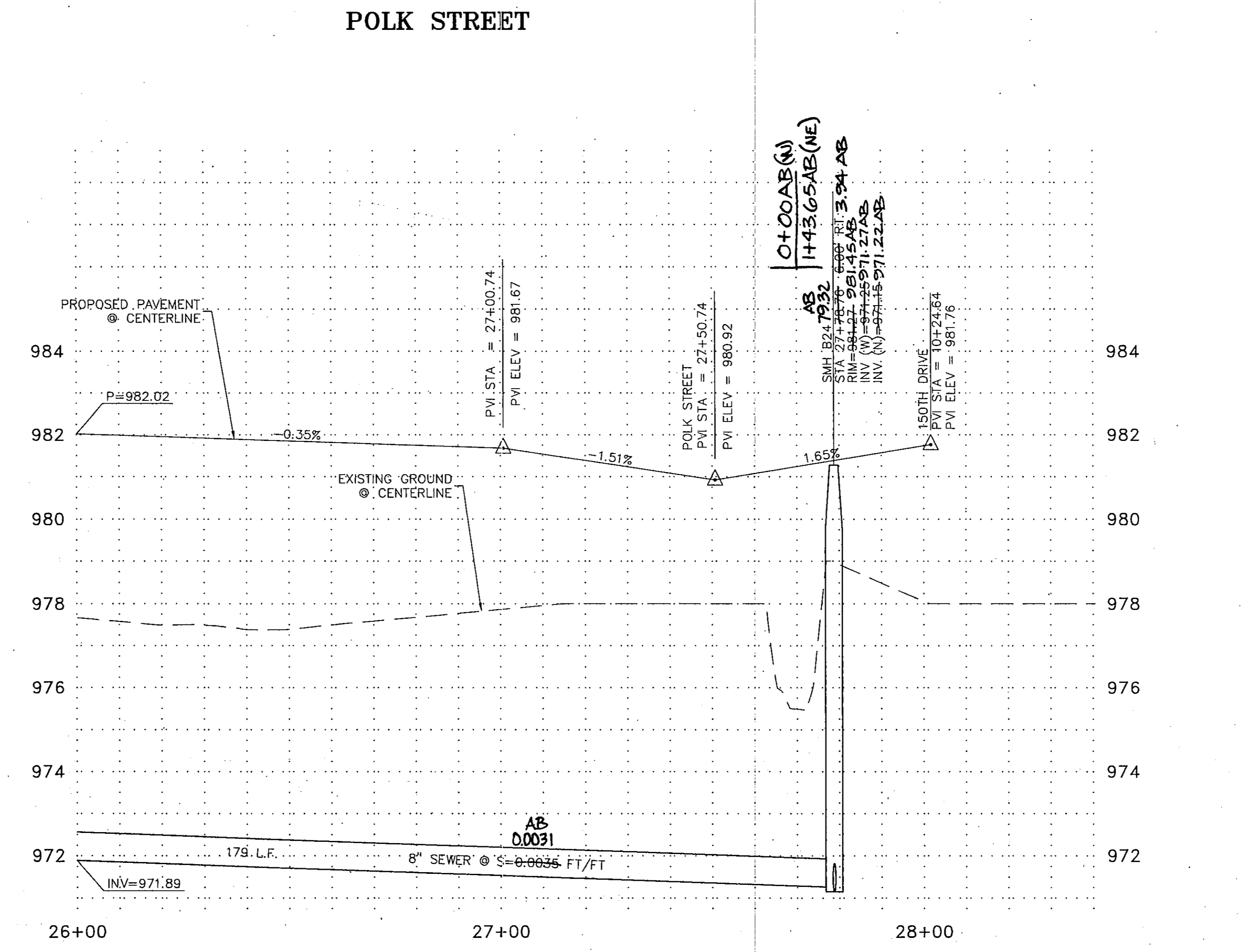
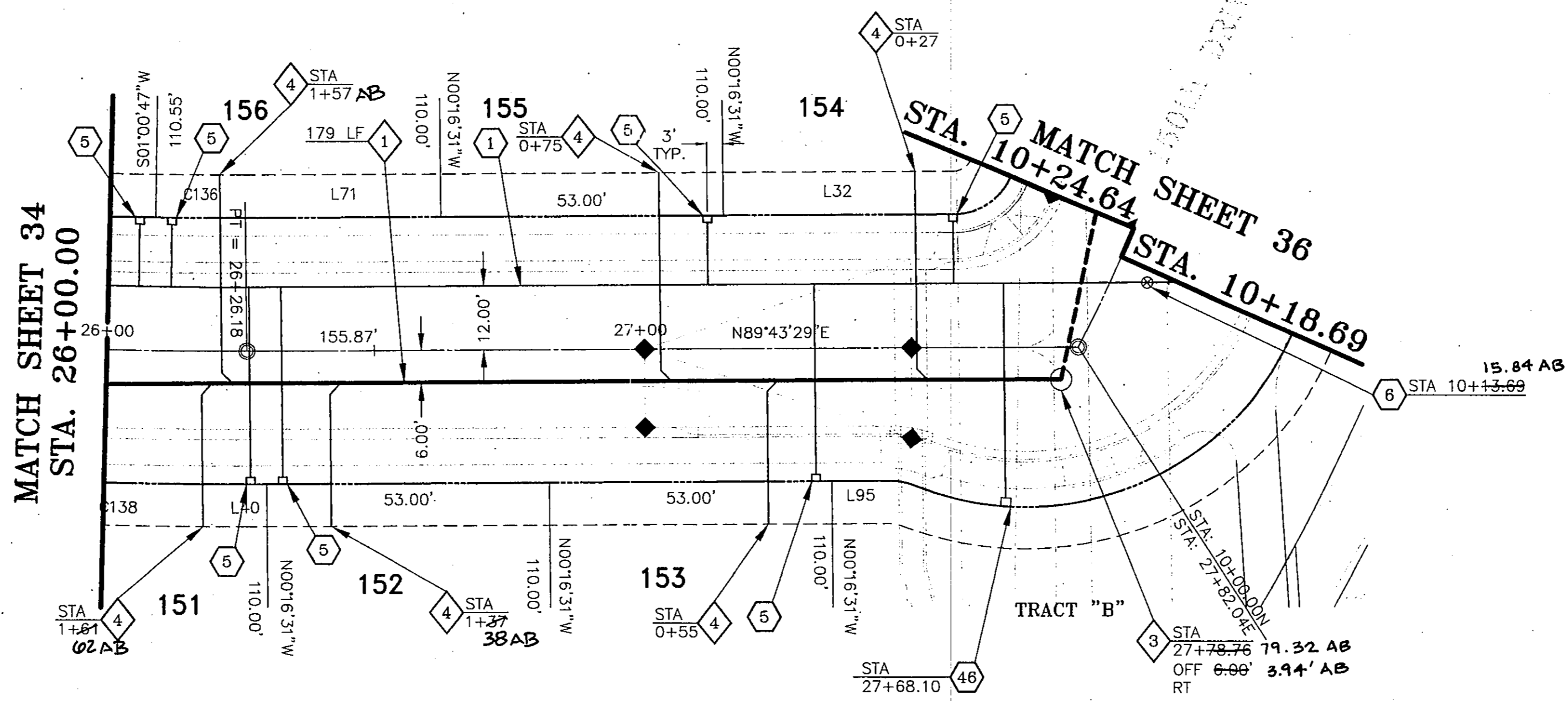
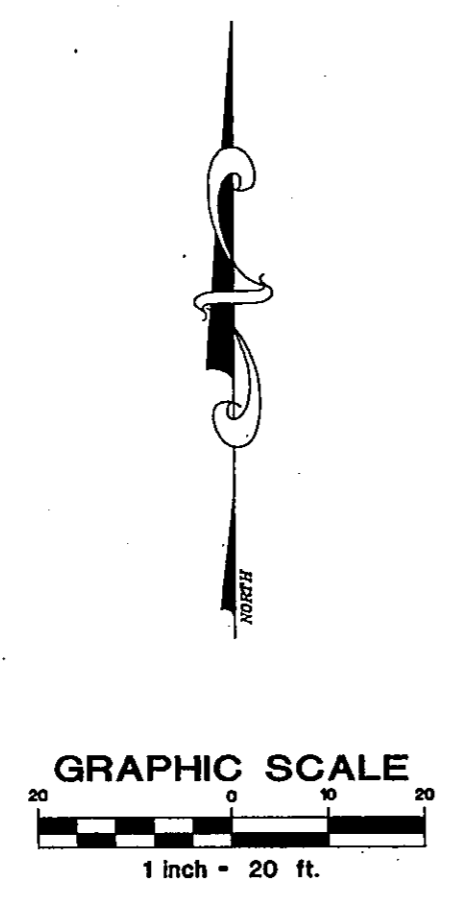
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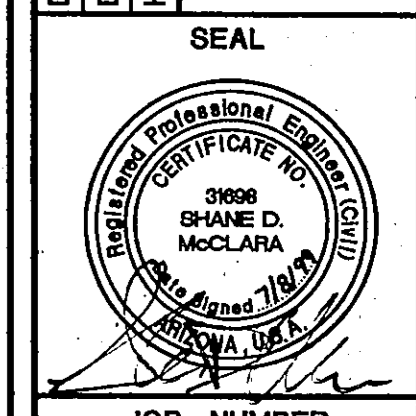
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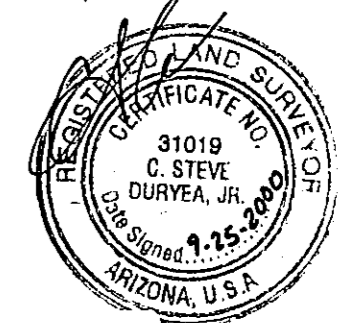
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WATER AND SEWER PLANS

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| Drawn by: DDD/RJ | Date: 07/08/98 | Vertical Scale: | Date: |
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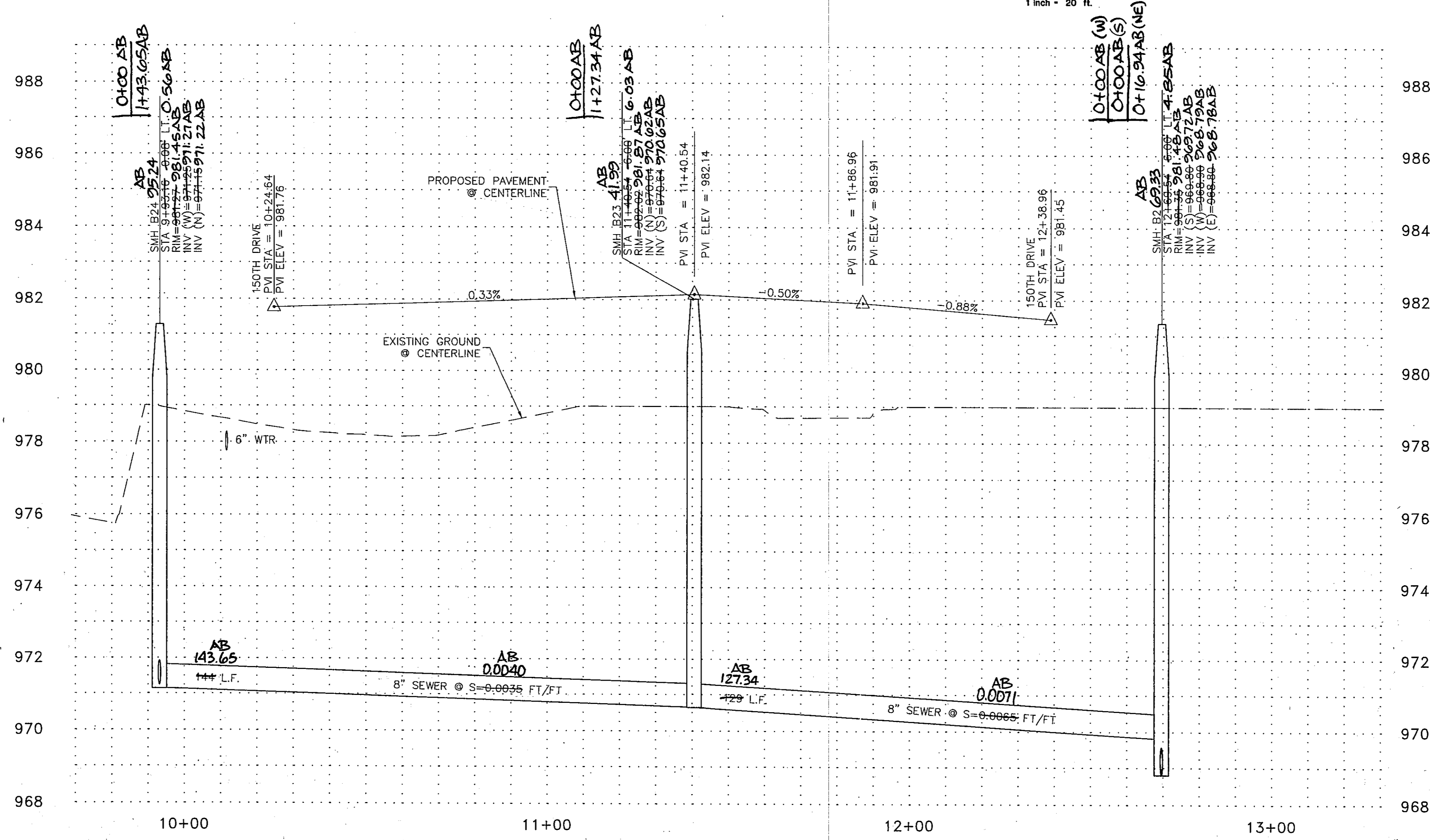
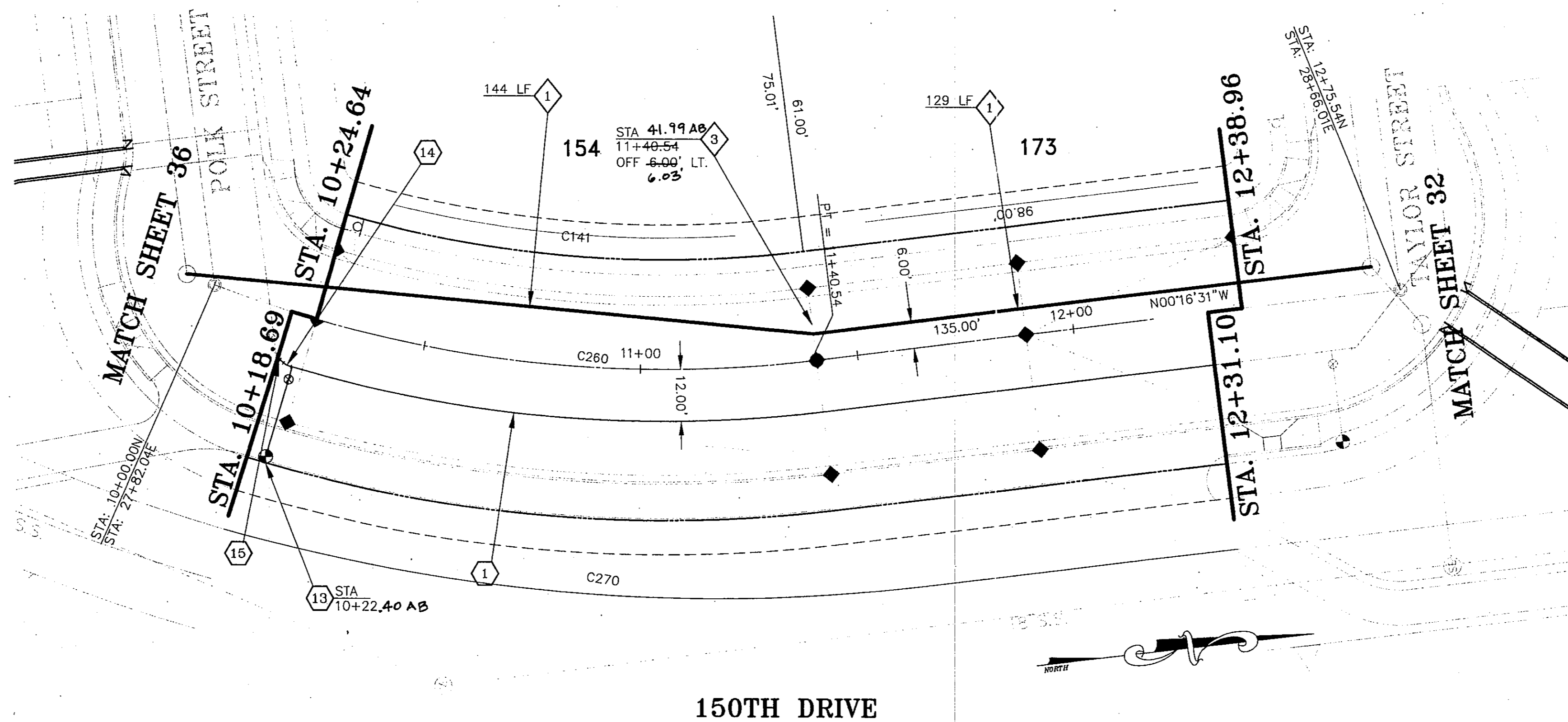


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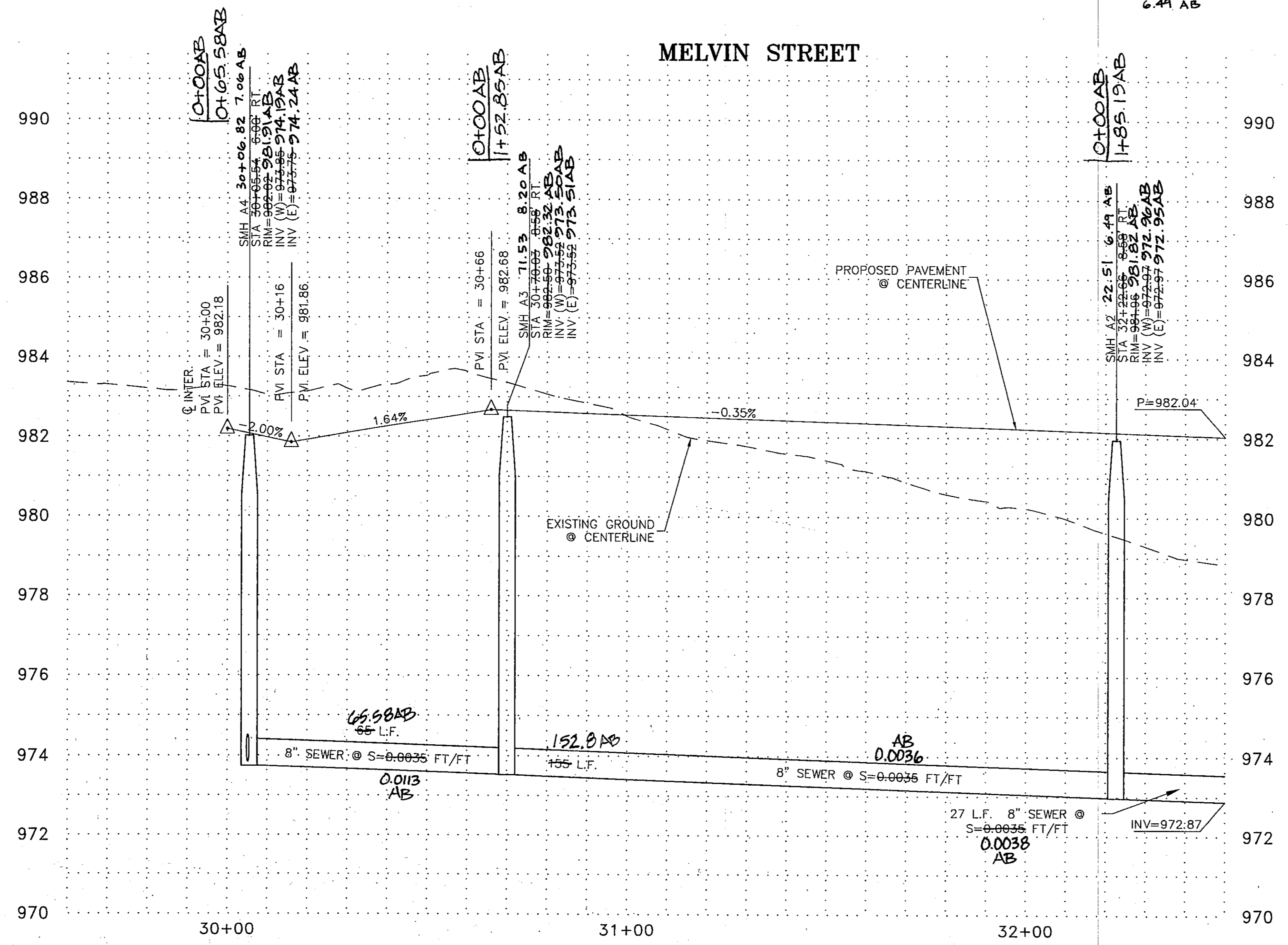
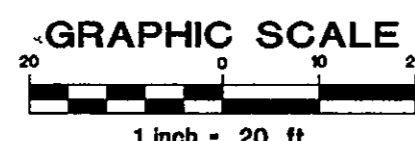
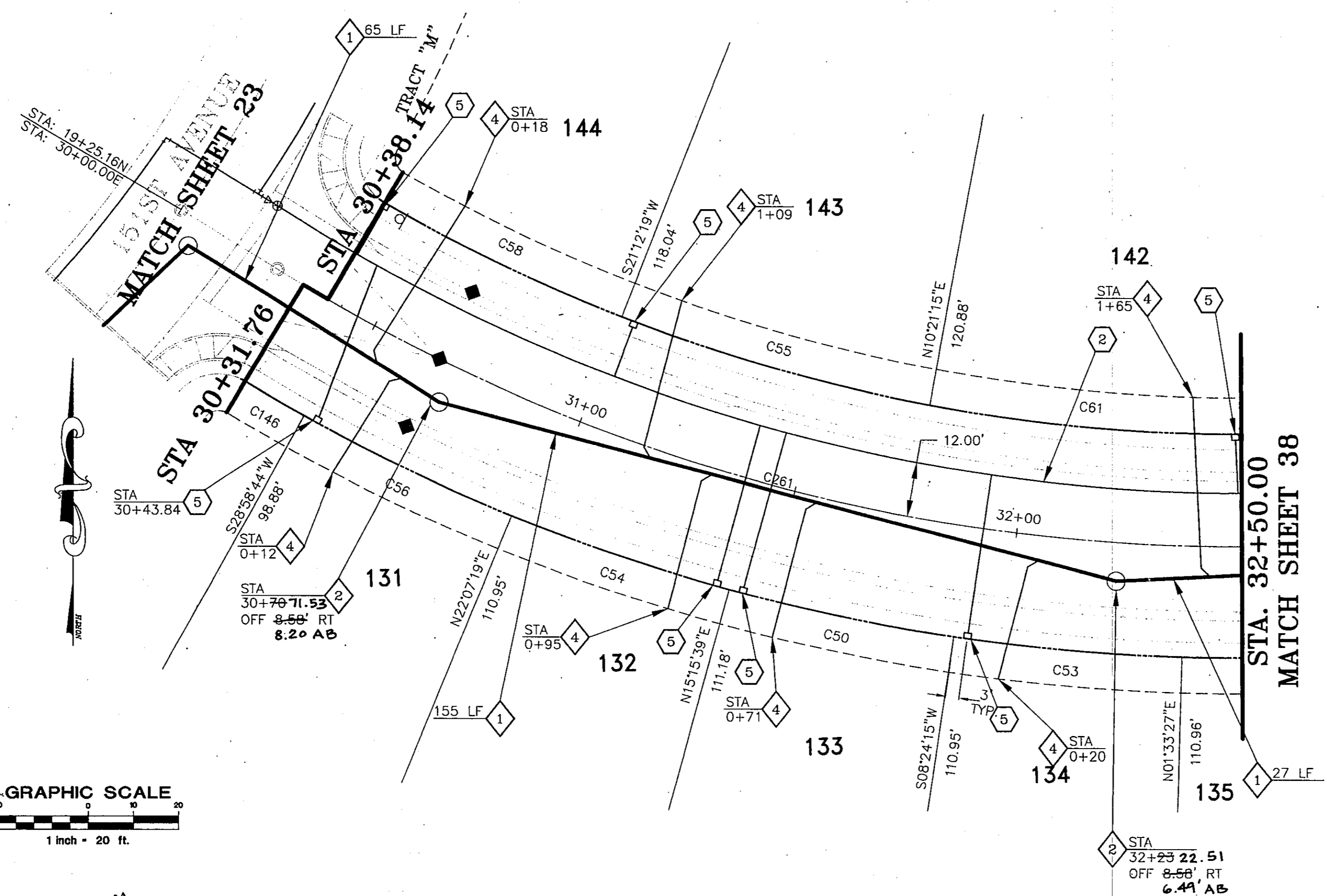
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| WATER AND SEWER PLANS | | | |
| SEAL | | | |
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| JOB NUMBER | | | |
| 3735A | | | |
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| 36 OF 38 | | | |

RANCHO MIRAGE

Hook Engineering, Inc.

3221 N. 24th STREET PHOENIX, AZ 85016 Tel: (602) 956-3200 Fax (602) 955-5443

2000-062-C2-036



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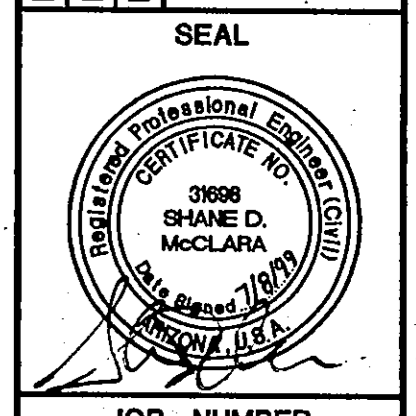
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RANCHO MIRAGE
Hook Engineering, Inc.

WATER AND SEWER PLANS

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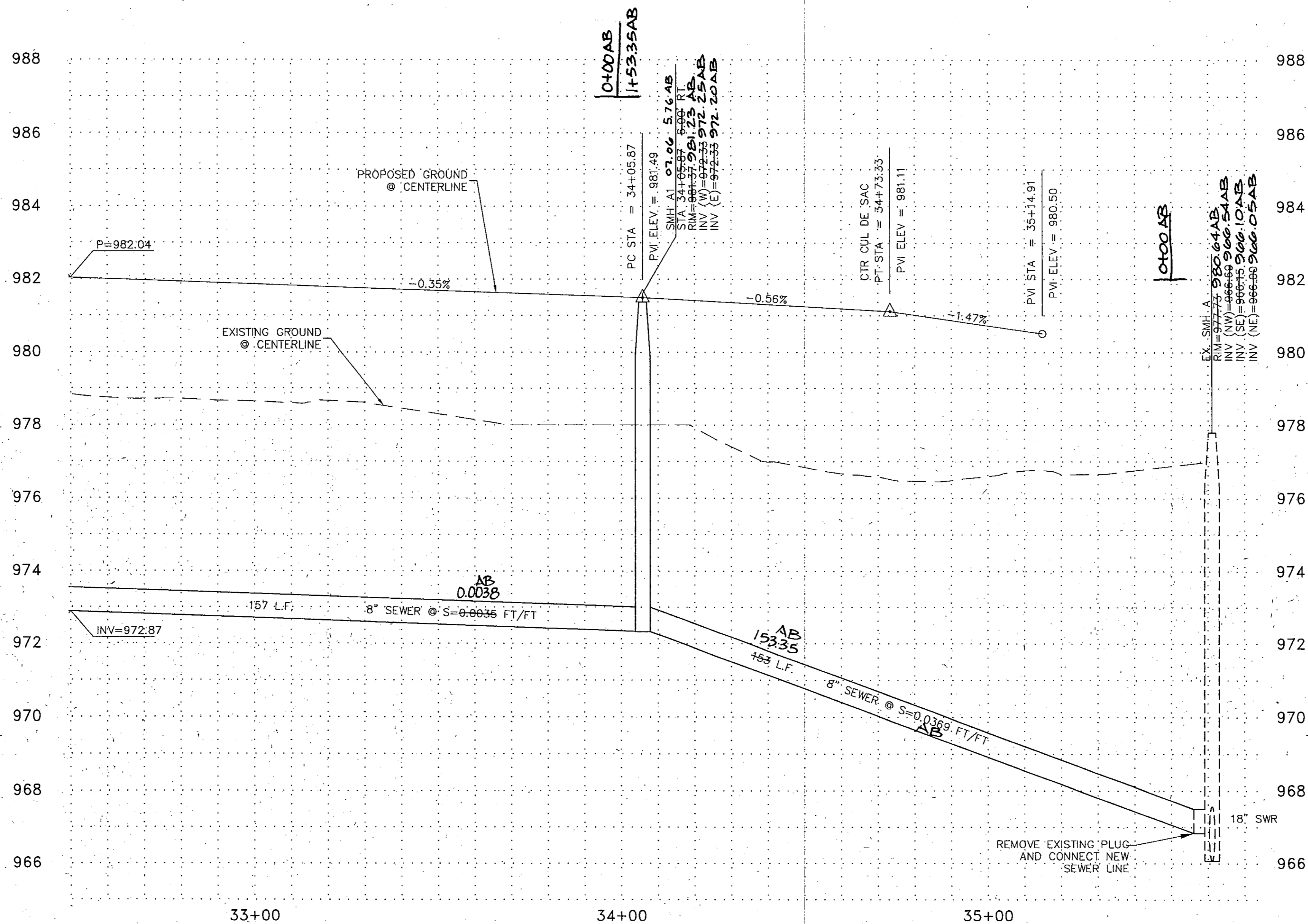
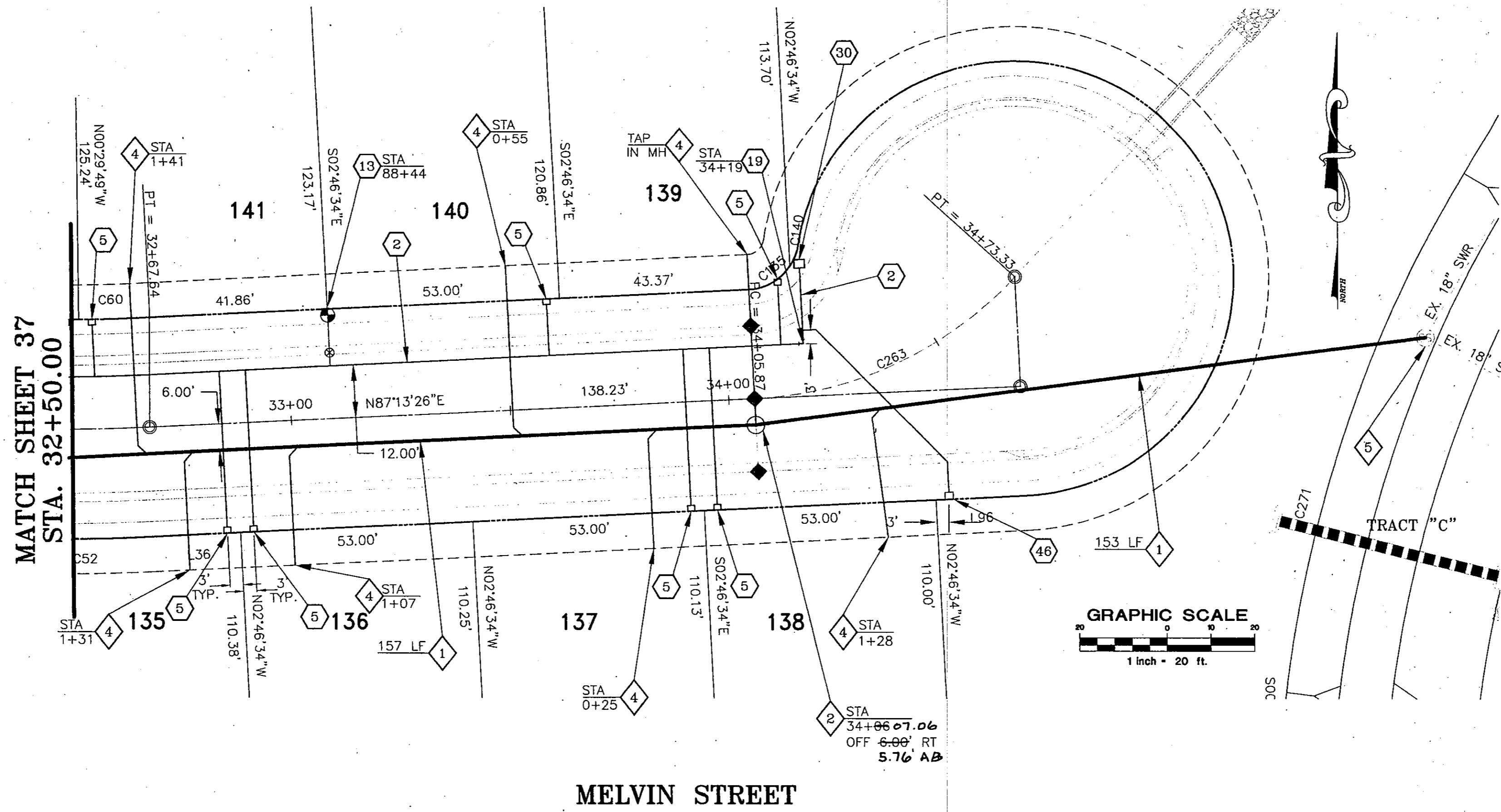
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Handwritten signature and date: 9-25-2000

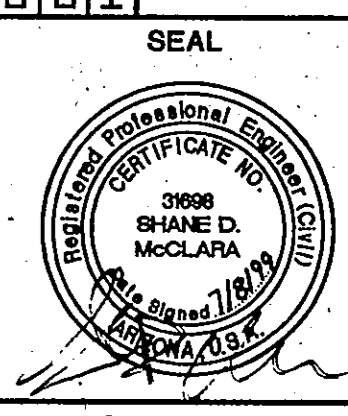
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