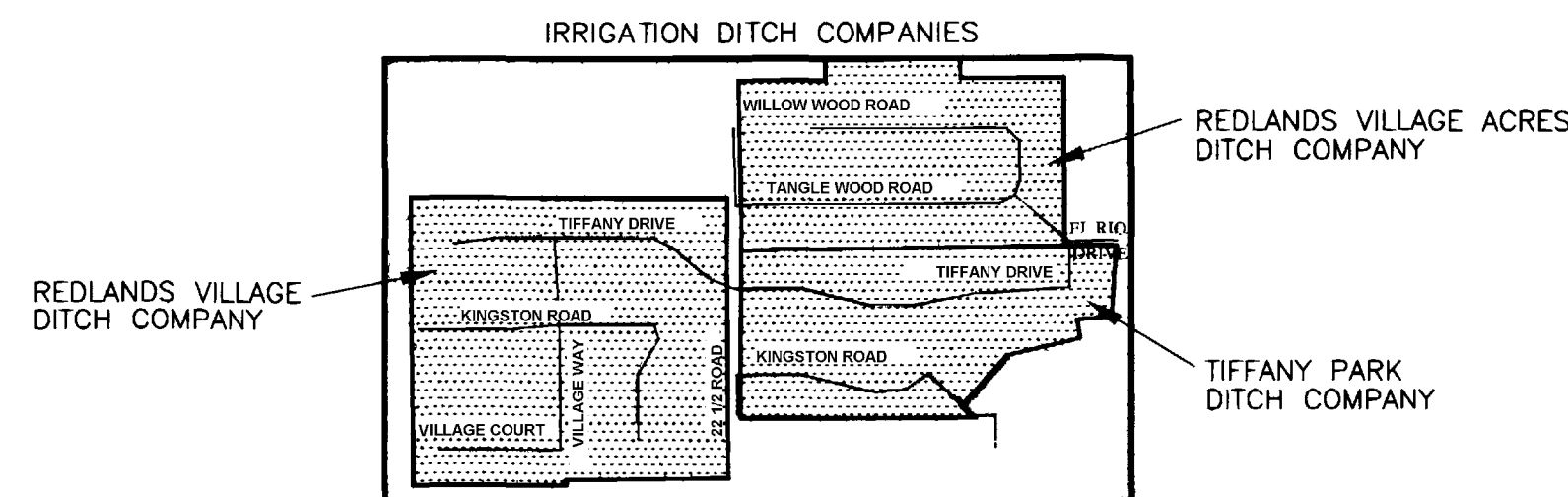


# REDLANDS VILLAGE SOUTH SEWER IMPROVEMENT DISTRICT 2001

## GENERAL NOTES

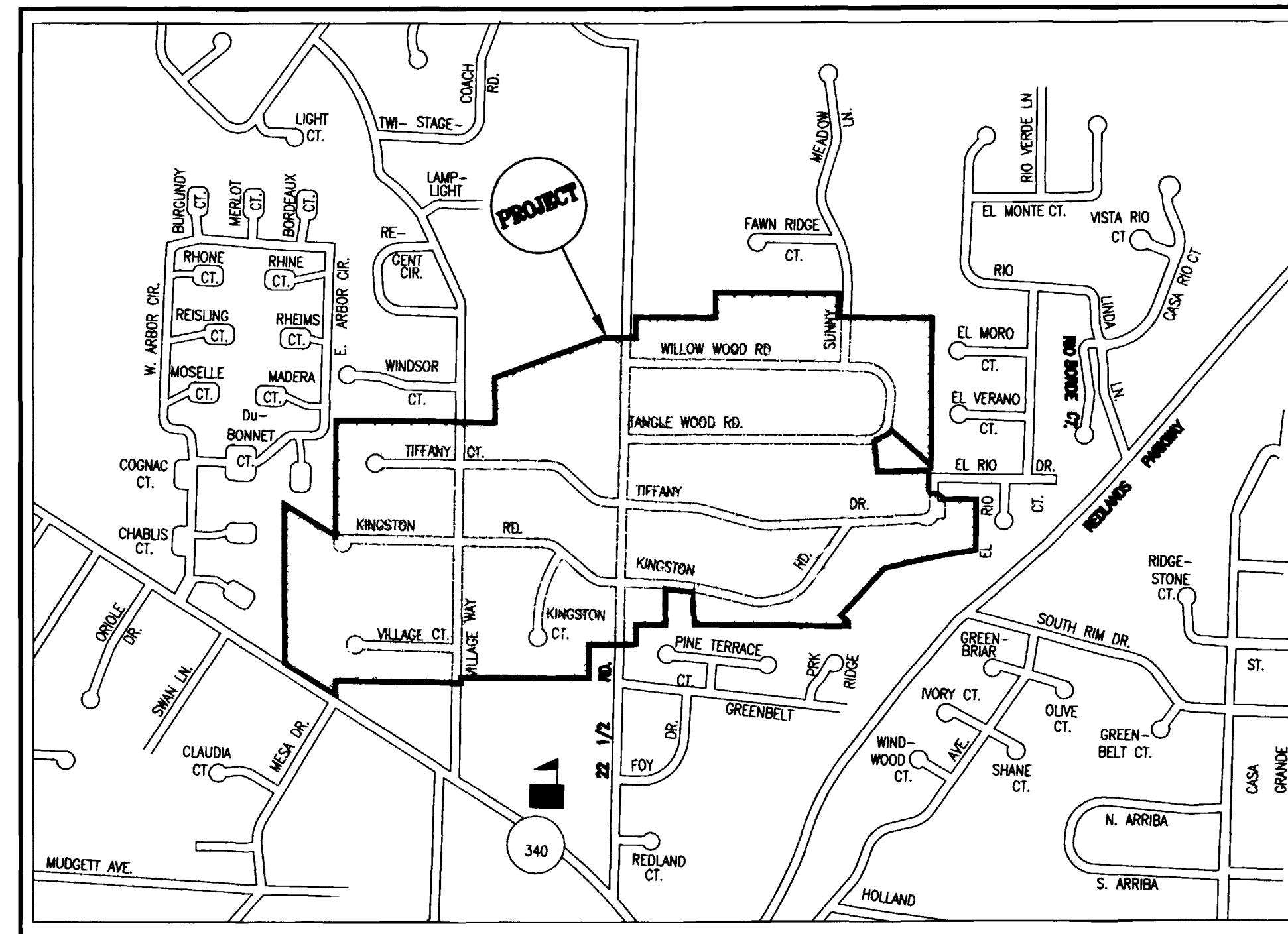
- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES IN THE FIELD BEFORE PERFORMING ANY WORK ON OR AROUND THEM.
- THE UTILITY COMPANIES LISTED BELOW HAVE FACILITIES PRESENT ON THIS PROJECT.

SANITARY SEWER - CITY OF GRAND JUNCTION	TRENT PRALL	244-1590
STORM SEWER - MESA COUNTY	PETE BAIER	244-1689
TRAFFIC - CITY OF GRAND JUNCTION	JODY KLISKA	244-1591
GRAND JUNCTION DRAINAGE DISTRICT	JOHN BALLAGH	242-4343
UTE WATER - WATER	ED TOLEN	242-7491
PUBLIC SERVICE COMPANY - ELECTRIC	JON PRICE	244-2781
PUBLIC SERVICE COMPANY - GAS	LARRY GIERHART	244-2615
PSCO - HIGH VOLTAGE TRANSMISSION	SKIP DRAKE	244-2639
U.S. WEST COMMUNICATIONS - TELEPHONE	MAX WARD	244-4721
TCI CABLEVISION - TELEVISION	GLEN VANCIL	245-8750
U.S. POSTAL SERVICE	DON MOSIER	244-3434
REDLANDS VILLAGE DITCH COMPANY	BOB SPENCER	245-1729
REDLANDS VILLAGE ACRES DITCH COMPANY	RON GIBBS	242-2645
TIFFANY PARK DITCH COMPANY	KEN GARLITZ	245-4047



## VICINITY MAP

N.T.S.



## SHEET INDEX

SHEET NO.	TITLE
1	Cover Sheet
2	Standard Abbreviations, Legend and Symbols Sheet
3	Summary of Approximate Quantities
4	Master Sanitary Sewer Plan
5-30	Sanitary Sewer Plan & Profile

PREPARED BY:  
**ROLLAND ENGINEERING**  
405 RIDGES BLVD., SUITE A  
GRAND JUNCTION, CO 81503  
(970)-243-8300

## GENERAL NOTES

- THE CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED UTILITIES REGARDING RELOCATIONS AND ADJUSTMENTS DURING CONSTRUCTION TO ACCOMPLISH THE WORK IN A TIMELY MANNER WITH MINIMUM DISRUPTION IN SERVICE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND LAYOUT OF THE WORK AS ESTABLISHED FROM THE HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED.
- RESIDENCES IN THIS AREA HAVE INDIVIDUAL MAIL SERVICE AND POSSIBLY NEWSPAPER DELIVERY. DURING CONSTRUCTION THE INDIVIDUAL MAIL SERVICE IS TO BE CONTINUED. RELOCATE MAILBOX, OUTSIDE OF CONSTRUCTION LIMITS AS NECESSARY TO MAINTAIN DELIVERY/PICKUP SERVICE DURING CONSTRUCTION. COORDINATE LOCATION WITH PROPERTY OWNER, POSTAL SERVICE AND OTHER PACKAGE DELIVERY PROVIDERS. PLACE TO AVOID IRRIGATION LINES, BURIED UTILITIES, AND ALL OTHER POTENTIAL CONFLICTS.
- THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS. IF DAMAGED, THE CONTRACTOR SHALL RE-ESTABLISH. THIS WORK SHALL BE PERFORMED UNDER THE DIRECTION OF A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF COLORADO.
- ASPHALT REPLACEMENT SHALL BE A MINIMUM WIDTH OF 6 FEET AND A MAXIMUM OF 10 FEET FOR SEWER MAINS AND 6 FEET FOR SEWER SERVICES. IN THE CASE OF SMALLER TRENCH WIDTHS ASPHALT SHOULD BE MILLED TO PROVIDE THE ABOVE REQUIREMENTS.
- UNLESS OTHERWISE NOTED THE CITY OF GRAND JUNCTION STANDARD DETAILS AND SPECIFICATIONS SHALL APPLY.
- HOUSE FOOTPRINTS ARE BASED FROM 1997 ARIAL PHOTOGRAPHY AND ARE APPROXIMATE ONLY.
- CONTOURS ARE BASED ON 1970 B.O.R. ARIAL PHOTOGRAPHY AND WERE ADJUSTED FOR A "BEST FIT" TO NAVD 88.
- PROPERTY LINES ARE APPROXIMATE ONLY, SIGNIFICANT EFFORT HAS BEEN MADE TO COMBINE ALL AFFECTED SUBDIVISION PLATS FOR A "BEST FIT" SOLUTION.
- INSTALL CLAY CUT OFF WALLS 10 FEET UPSTREAM OF EVERY MANHOLE. CUTOFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE ALL IMPORTED BEDDING, HAUNCHING, AND BACKFILL MATERIAL. REFER TO SECTION 103.10 OF THE STANDARD SPECIFICATIONS.
- ITEM 304, GRAVEL TREATMENT, FOR DRIVEWAY AND SHOULDER RESTORATION SHALL BE 4" THICK AND CLOSELY MATCH THE EXISTING MATERIAL. MATERIAL ANTICIPATED FOR USE ON THIS ITEM ARE ABC (CLASS 6), 3/4" WASHED ROCK, 3/8" WASHED ROCK, AND OTHER MATERIALS THAT ARE NORMALLY COMMERCIALY AVAILABLE AS DIRECTED BY THE ENGINEER.
- AS-BUILT HORIZONTAL & VERTICAL LOCATIONS OF ALL MANHOLES, MAIN INVERTS, AND SERVICE LINES SHALL BE FURNISHED AND CERTIFIED BY A LICENSED SURVEYOR.
- ALL SANITARY SEWER MAINS SHALL BE 8" PVC GRAVITY SEWER PIPE, SDR-35, CONFORMING TO SECTION 102.9 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
- ALL SERVICE LINES SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" PVC, SDR-35 PIPE AND FITTINGS. TAPPING SADDLES WILL NOT BE ALLOWED. THE CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY AND VERTICALLY BY A LICENSED SURVEYOR PRIOR TO BACKFILL.
- ALL MANHOLES SHALL BE 48" DIAMETER CONFORMING TO STANDARD DRAWING SS-02 AND SECTION 102.11 OF THE STANDARD SPECIFICATIONS.
- ALL EXCAVATION, INSTALLATION, AND BACKFILL OF ALL PIPES & MANHOLES SHALL CONFORM WITH SECTION 103 & 104 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO OPEN CUT EXCAVATE THAT PORTION OF SEWER MAIN LINE REACH "H" FROM MANHOLE H1 TO MANHOLE H2. THE CONTRACTOR IS REQUIRED TO INSTALL THE SEWER MAIN BY DIRECTIONAL BORING METHOD. THE PIPE SHALL BE 8" HDPE MEETING THE REQUIREMENTS OF SECTION 102.10c OF THE STANDARD SPECIFICATIONS.


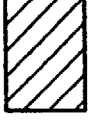


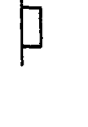
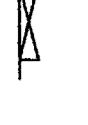
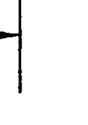

# ASBUILT

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A			JLG	9-17-01	PLAN PROFILE
REVISION B			ESS	9-17-01	HORIZ. 1"=20'
REVISION C			TDR	9-17-01	VERT.
REVISION D	ASBUILT	9-9-02			

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
CITY OF GRAND JUNCTION, COLORADO

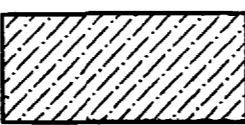
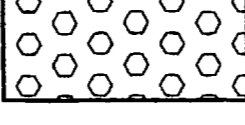
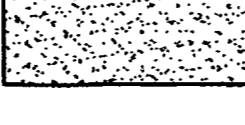
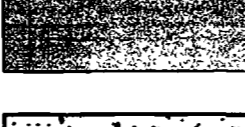




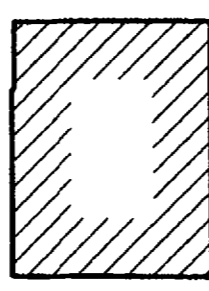


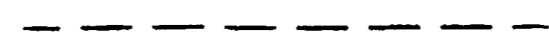



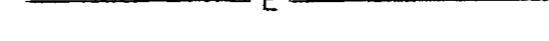
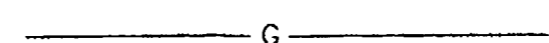
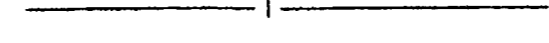
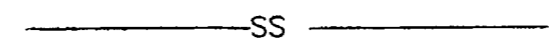
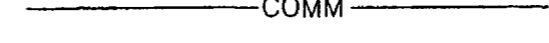
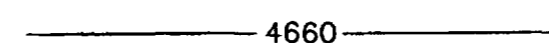
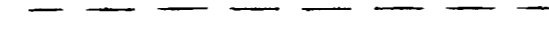

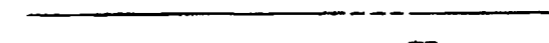
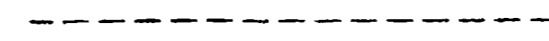

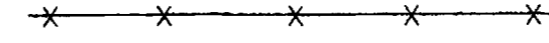























REDLANDS VILLAGE SOUTH  
SEWER IMPROVEMENT DISTRICT

**TEST HOLE LEGEND**

-  - PAVEMENT; ASPHALT AND/OR BASE COURSE
-  - CLAY, SILTY, SANDY, SOFT TO VERY STIFF, DRY TO MOIST, RED, TAN (CL)
-  - SAND, SILTY, GRAVEL AND CLAY LENSES NOTED, VERY LOOSE TO VERY DENSE, DRY TO MOIST, RED, TAN (SM)
-  - GRAVEL, SILTY, SANDY, COBBLES NOTED, MEDIUM DENSE TO VERY DENSE, DRY TO MOIST, RED, BROWN, GRAY (GM)
-  - INDICATES DRIVE SAMPLE. THE SYMBOL 13/12 INDICATES THAT 13 BLOWS OF A 140 POUND HAMMER FALLING 30 INCHES WERE REQUIRED TO DRIVE A 2.5 INCH O.D. SAMPLE BARREL 12 INCHES.
-  - INDICATED LOCATION OF BULK SAMPLE COLLECTED FROM AUGER CUTTINGS.
-  - INDICATES DEPTH AT WHICH EXPLOATORY BORING CAVED.
-  - INDICATES PRACTICAL DRILL RIG REFUSAL. BORING TERMINATED.

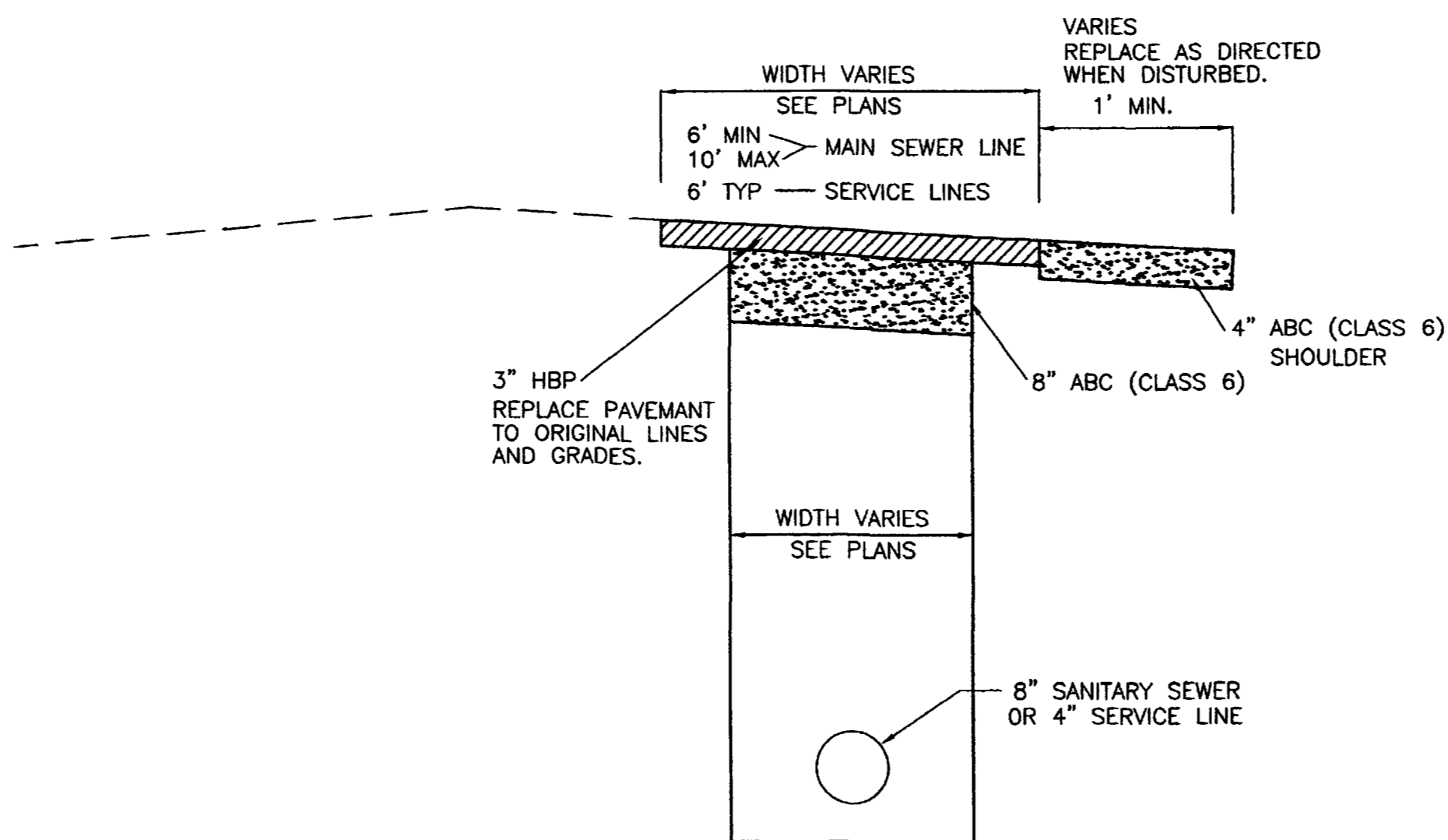
- NOTE:**
- EXPLORATORY BORINGS WERE DRILLED AND SAMPLED ON JUNE 21 AND 22, 2001 USING A 6-INCH DIAMETER SOLID STERN, CONTINUOUS FLIGHT AUGER AND A TRUCK MOUNTED RIG.
  - ELEVATIONS ARE PROVIDED FOR THE TOP OF EACH TEST HOLE ON THE PLAN AND PROFILE SHEETS AT THE TEST HOLE LOCATION.

**LEGEND**

-  - REMOVE GRASS AND REPLACE WITH SOD
-  - REMOVE AND REPLACE LANDSCAPE MATERIAL (DECORATIVE ROCK, COBBLE, ETC.)
-  - REMOVE AND REPLACE GRAVEL
-  - REMOVE AND REPLACE ASPHALT
-  - REMOVE AND REPLACE CONCRETE
-  - BUSH
-  - CONIFEROUS TREE
-  - DECIDUOUS TREE
-  - EXISTING BUILDING
-  - HORIZONTAL CONTROL POINT
-  - CONSTRUCTION NOTE
-  - SERVICE LINE BY OWNER
-  - PROPOSED SERVICE LINE
-  - PROPOSED SANITARY SEWER
-  - EXISTING EASEMENTS
-  - PROPOSED EASEMENTS
-  - EXISTING IRRIGATION LINE
-  - UNDERGROUND ELECTRIC
-  - OVERHEAD TELEPHONE ELECTRIC
-  - EXISTING GAS LINE
-  - UNDERGROUND TELEPHONE
-  - EXISTING STORM SEWER
-  - EXISTING SANITARY SEWER
-  - UNDERGROUND PHONE / CABLE
-  - EXISTING WATER
-  - EXISTING INDEX CONTOUR
-  - EXISTING INTERMEDIATE CONTOUR
-  - STREET RIGHT-OF-WAY LIMITS
-  - PROPERTY LINE
-  - EARTH DITCH
-  - TRAFFIC LOOP
-  - EXISTING EDGE OF GRAVEL
-  - EXISTING EDGE OF ASPHALT
-  - CONCRETE
-  - EXISTING OR PROPOSED FENCE
-  - EXISTING SANITARY SEWER MANHOLE
-  - PROPOSED STORM SEWER MANHOLE
-  - STORM SEWER INLET
-  - SIGN
-  - SIGNAL
-  - TELEPHONE PEDESTAL
-  - TELEVISION PEDESTAL
-  - TELEPHONE MANHOLE
-  - GUY WIRE
-  - STUMP
-  - POWER POLE
-  - MAILBOX
-  - SPRINKLER HEAD
-  - EXISTING WATER VALVE
-  - LOCATION OF GEOTECHNICAL EXPLORATORY BORINGS.

**ABBREVIATIONS**

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
ADA	AMERICANS WITH DISABILITIES ACT
AH	AHEAD
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE.	AVENUE
B.O.W.	BACK-OF-WALK
BK	BACK
BLDG	BUILDING
BSMT.	BASEMENT
C	CUT
C.D.O.T.	COLORADO DEPARTMENT OF TRANSPORTATION
C.G.	CURB AND GUTTER
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
C.O.	CLEANOUT
CON	CONCRETE
CONC.	CONCRETE
CONC.	CONCRETE
CONC.	CONCRETE
CP	CONCRETE PIPE
C.Y.	CUBIC YARD
CU. YD.	CUBIC YARD
DEG.	DEGREE
DIA	DIAMETER
DWY	DRIVEWAY
E	EAST
EA.	EACH
E.W.	EACH WAY
EL	ELEVATION
EQ	EQUATION
EX GDWY	EXISTING GRAVEL DRIVEWAY
EX.or EXIST.	EXISTING
F	FILL
F.F.	FINISH FLOOR
FH	FIRE HYDRANT
FL or F.L.	FLOWLINE
FT.	FOOT
HBP	HOT BITUMINOUS PAVEMENT
HWY	HIGHWAY
I.D.	INSIDE DIAMETER
INV.	INVERT
IR or IRR.	IRRIGATION
IRMH	IRRIGATION MANHOLE
IRWV	IRRIGATION WATER VALVE
L.F.	LINEAL FEET
LF	LINEAL FEET
L.S.	LUMP SUM
LT, L	LEFT
MAX.	MAXIMUM
MCSM	MESA COUNTY SURVEY MONUMENT
MIN	MINIMUM
N	NORTH
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PBX	PULL BOX
PC	POINT OF CURVATURE
PE	POLYETHYLENE PIPE
PSCO	PUBLIC SERVICE OF COLORADO
PT	POINT OF TANGENCY
PVC	POLYVINYLCHLORIDE PIPE
PVI	POINT VERTICAL INTERSECT
PVMT	PAVEMENT
PVT	POINT VERTICAL TANGENCY
R	RADIUS
R.O.W.	RIGHT-OF-WAY
RCP	REINFORCED CONCRETE PIPE
RT, R	RIGHT
S	SOUTH
S.Y.	SQUARE YARD
SD	SIGHT DISTANCE
SER.	SERVICE
STA.	STATION
S.S. LAT.	SANITARY SEWER LATERAL
STD	STANDARD
STR.	STRUCTURE
SW	SIDEWALK
TEMP	TEMPORARY
TYP	TYPICAL
U.S.	UNITED STATES
USPS	UNITED STATES POSTAL SERVICE
UTIL	UTILITY
VC	VERTICAL CURVE
W	WEST
WM	WATER METER



**PAVEMENT REPLACEMENT DETAIL**  
N.T.S.

CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

DESCRIPTION	DATE	DRAWN BY	JLG	DATE	9-17-01	SCALE	
REVISION		DESIGNED BY	ESS	DATE	9-17-01	PLAN	PROFILE
REVISION		CHECKED BY	TDR	DATE	9-17-01	HORIZ.	HORIZ.
REVISION		APPROVED BY		DATE		VERT.	
REVISION	ASBUILT			DATE	9-9-02		

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
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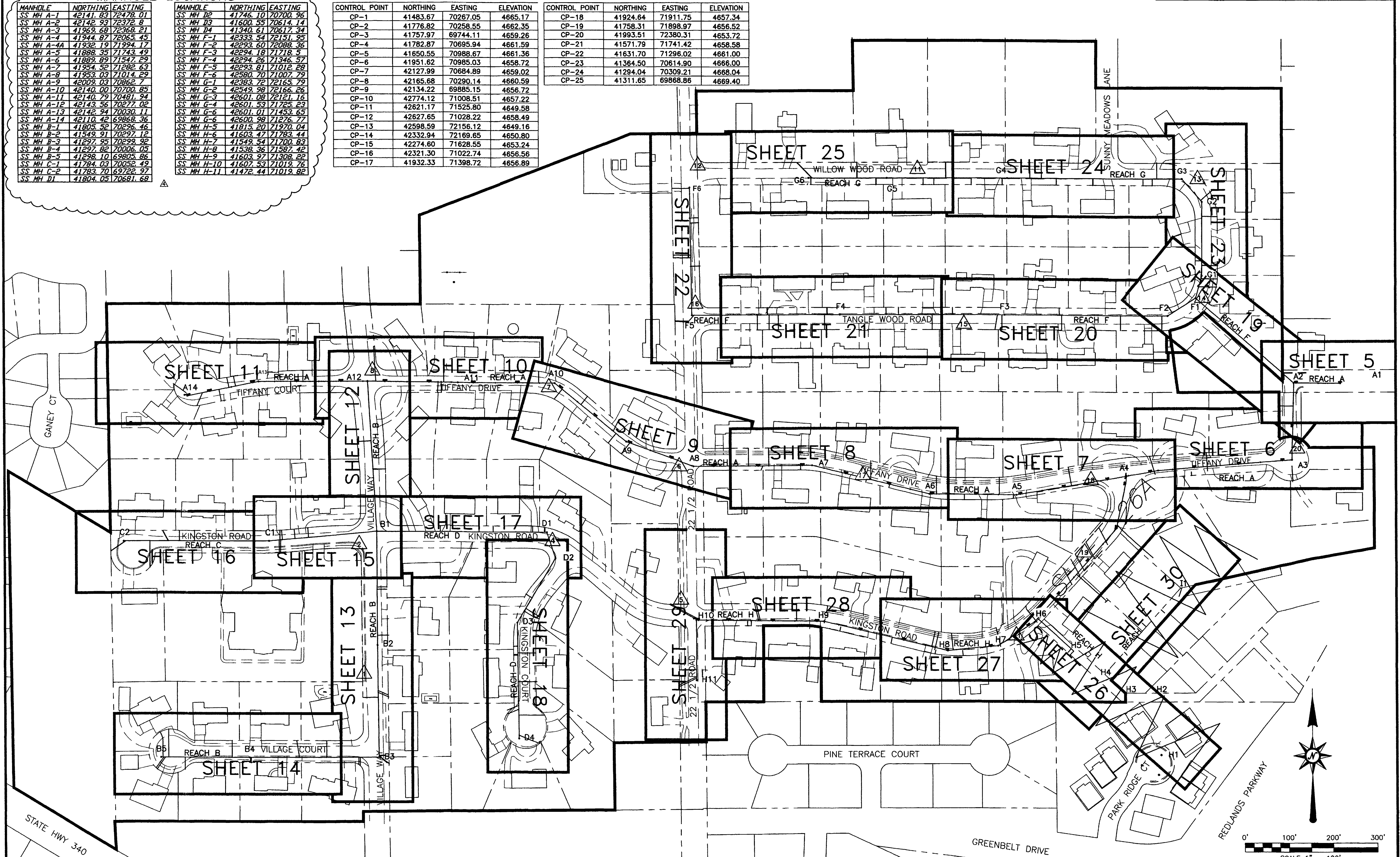
REDLANDS VILLAGE SOUTH  
STANDARD ABBREVIATIONS, LEGEND AND SYMBOLS

MANHOLE LOCATIONS

MANHOLE	NORTHING	EASTING	MANHOLE	NORTHING	EASTING
SS MH A-1	42141.83	72478.01	SS MH D2	41746.10	70700.96
SS MH A-2	42142.83	72372.8	SS MH D3	41600.55	70614.14
SS MH A-3	41969.68	72368.21	SS MH D4	41340.61	70617.34
SS MH A-4	41944.87	72065.45	SS MH F-1	42333.54	72151.95
SS MH A-4A	41932.19	71994.17	SS MH F-2	42293.60	72088.36
SS MH A-5	41888.35	71743.49	SS MH F-3	42294.18	71718.5
SS MH A-6	41889.89	71547.29	SS MH F-4	42294.26	71346.57
SS MH A-7	41954.52	71282.63	SS MH F-5	42293.81	71012.28
SS MH A-8	41953.03	71014.29	SS MH F-6	42580.70	71007.79
SS MH A-9	42009.03	70862.7	SS MH G-1	42383.72	72165.79
SS MH A-10	42140.00	70700.85	SS MH G-2	42549.98	72166.26
SS MH A-11	42140.79	70481.94	SS MH G-3	42601.08	72121.16
SS MH A-12	42143.56	70277.02	SS MH G-4	42601.53	71725.23
SS MH A-13	42142.94	70030.11	SS MH G-5	42601.01	71453.65
SS MH A-14	42110.42	69868.36	SS MH G-6	42600.98	71276.77
SS MH B-1	41805.52	70296.46	SS MH H-5	41815.20	71970.04
SS MH B-2	41549.91	70297.12	SS MH H-6	41603.47	71783.44
SS MH B-3	41297.95	70299.92	SS MH H-7	41549.54	71700.83
SS MH B-4	41297.82	70006.05	SS MH H-8	41538.36	71587.42
SS MH B-5	41298.10	69805.86	SS MH H-9	41603.97	71308.22
SS MH C-1	41784.03	70052.49	SS MH H-10	41602.53	71019.76
SS MH C-2	41783.70	69722.97	SS MH H-11	41472.44	71019.82
SS MH D1	41804.05	70691.68			

CONTROL POINTS

CONTROL POINT	NORTHING	EASTING	ELEVATION	CONTROL POINT	NORTHING	EASTING	ELEVATION
CP-1	41483.67	70267.05	4665.17	CP-18	41924.64	71911.75	4657.34
CP-2	41776.82	70258.55	4662.35	CP-19	41758.31	71898.97	4656.52
CP-3	41757.97	69744.11	4659.26	CP-20	41993.51	72380.31	4653.72
CP-4	41782.87	70695.94	4661.59	CP-21	41571.79	71741.42	4658.58
CP-5	41650.55	70988.67	4661.38	CP-22	41631.70	71296.02	4661.00
CP-6	41951.62	70985.03	4658.72	CP-23	41364.50	70614.90	4666.00
CP-7	42127.99	70684.89	4659.02	CP-24	41294.04	70309.21	4668.04
CP-8	42165.68	70290.14	4660.59	CP-25	41311.65	69868.86	4669.40
CP-9	42134.22	69885.15	4656.72				
CP-10	42774.12	71008.51	4657.22				
CP-11	42621.17	71525.80	4649.58				
CP-12	42627.65	71028.22	4658.49				
CP-13	42598.59	72156.12	4649.16				
CP-14	42332.94	72169.65	4650.80				
CP-15	42274.60	71628.55	4653.24				
CP-16	42321.30	71022.74	4656.56				
CP-17	41932.33	71398.72	4656.89				

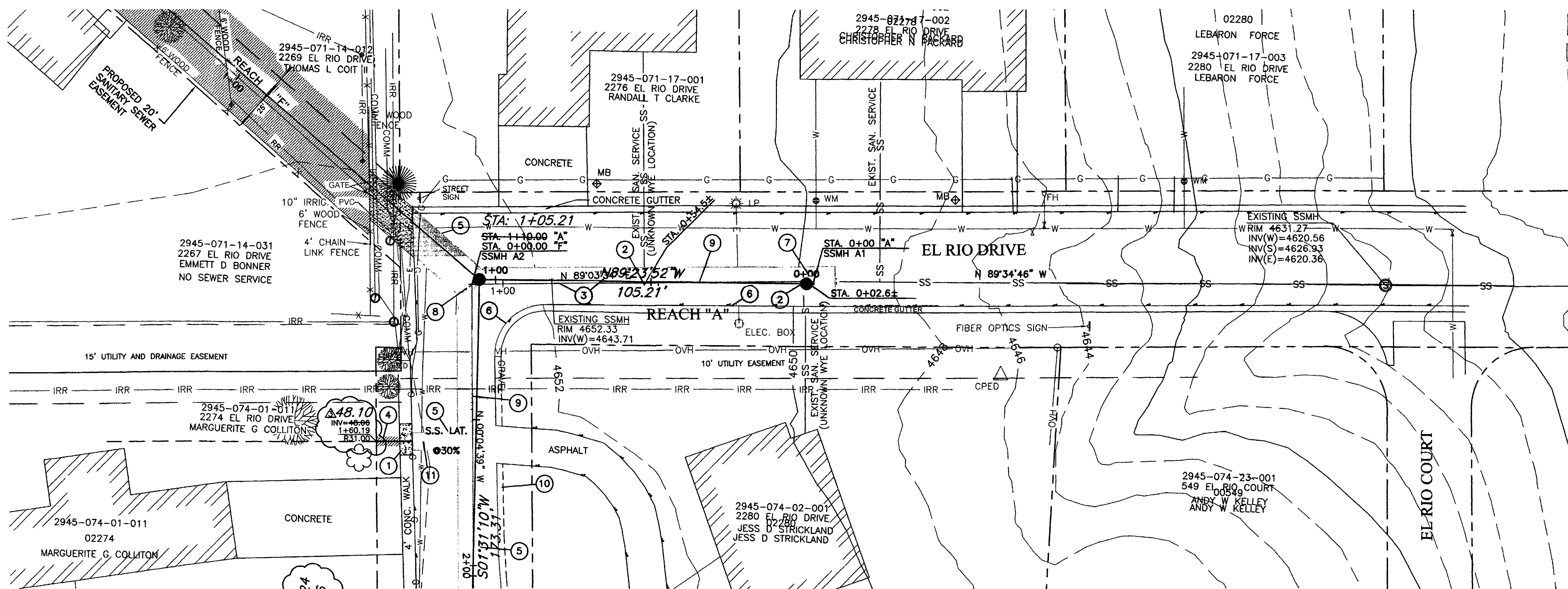


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A	NEW NORTHING AND EASTING FOR MH-A3 & MH-A4	1/24/02	JLG	9-17-01	PLAN PROFILE
REVISION B			ESS	9-17-01	HORIZ. 1"=100' HORIZ.
REVISION C	ASBUILT	9-9-02	IDR	9-17-01	VERT.
APPROVED BY					

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 MASTER SANITARY SEWER PLAN

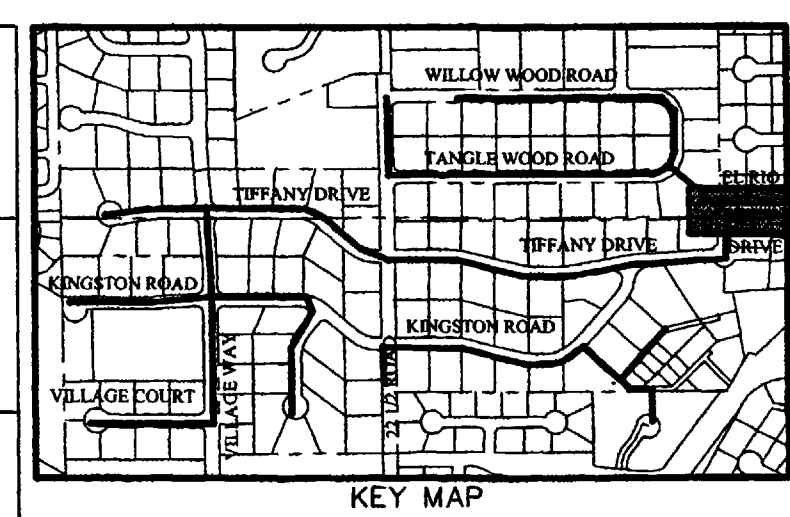
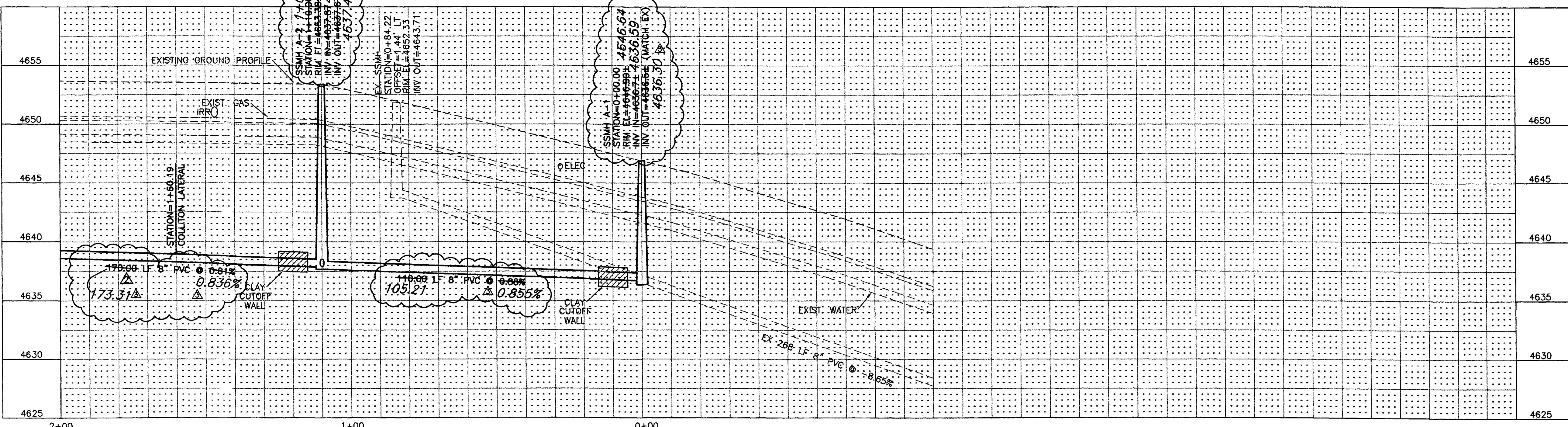
SEE SHEET 19



**CONSTRUCTION NOTES:**

- ① REMOVE AND REPLACE CONCRETE SIDEWALK AT EXISTING JOINTS AS DIRECTED. (202/206).
- ② CONNECT EXISTING SEWER SERVICES TO NEW SANITARY SEWER, (INCIDENTAL TO COST). INSTALL FULL BODIED WYE AT CORRECT LOCATION WHERE SERVICES ARE FOUND.
- ③ REMOVE AND DISPOSE OF EXISTING MANHOLE AND 83 LF 8" PVC SEWER. (202).
- ④ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
- ⑤ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
- ⑥ REMOVE AND REPLACE ASPHALT TO CONCRETE GUTTER, PROTECT CONCRETE GUTTER IN PLACE. (202 / 401).
- ⑦ CONSTRUCT NEW 48" DIA. MANHOLE OVER EXISTING 8" PVC SEWER LINE. THE BASE SHALL BE POURED IN PLACE. (102 / 103 / 104).
- ⑧ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, CONTRACTOR TO VERIFY INVERT ELEVATION OF EXISTING SANITARY SEWER BEFORE CONSTRUCTION. (102 / 103 / 104).
- ⑨ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
- ⑩ CONSTRUCT GRAVEL SHOULDER TREATMENT. (304).
- ⑪ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).

SEE SHEET 6

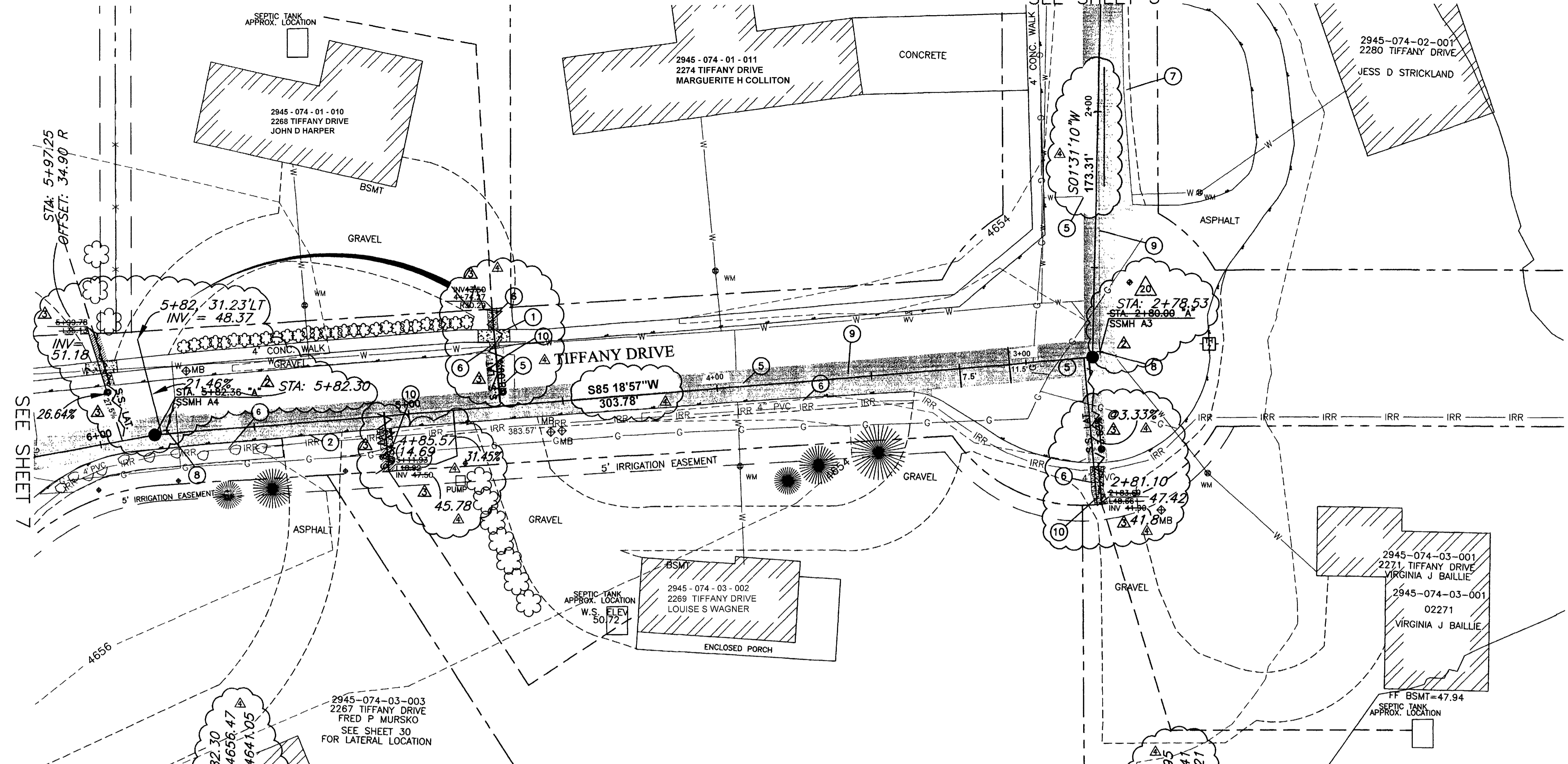
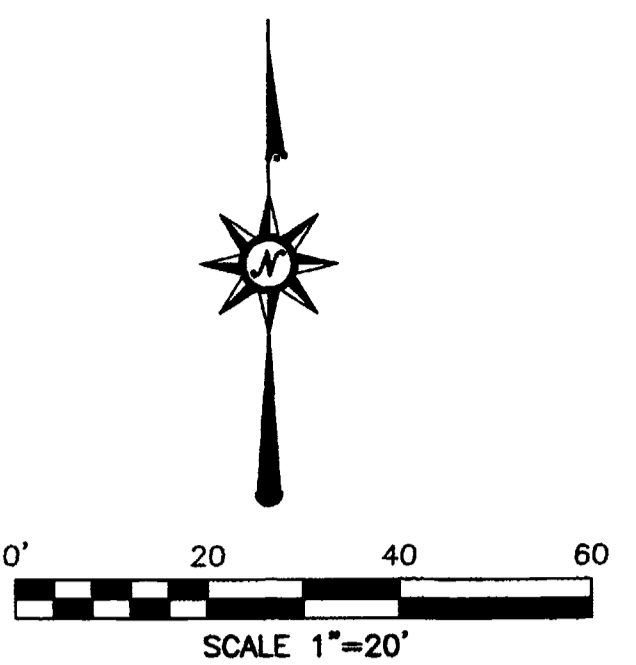


CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

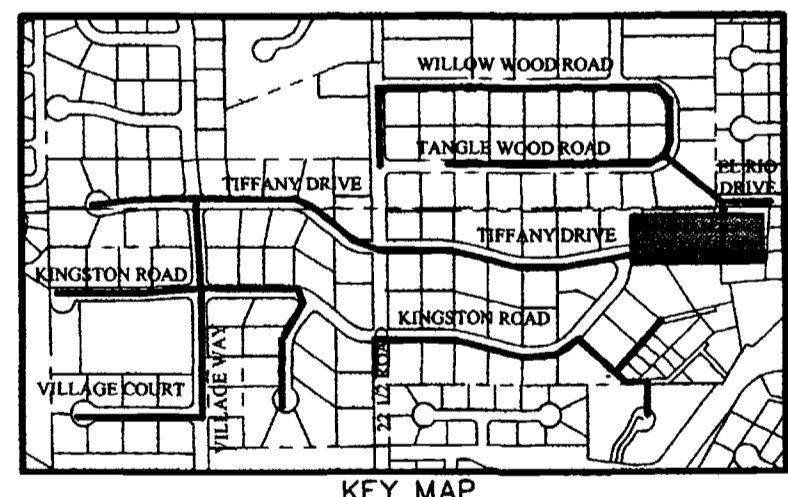
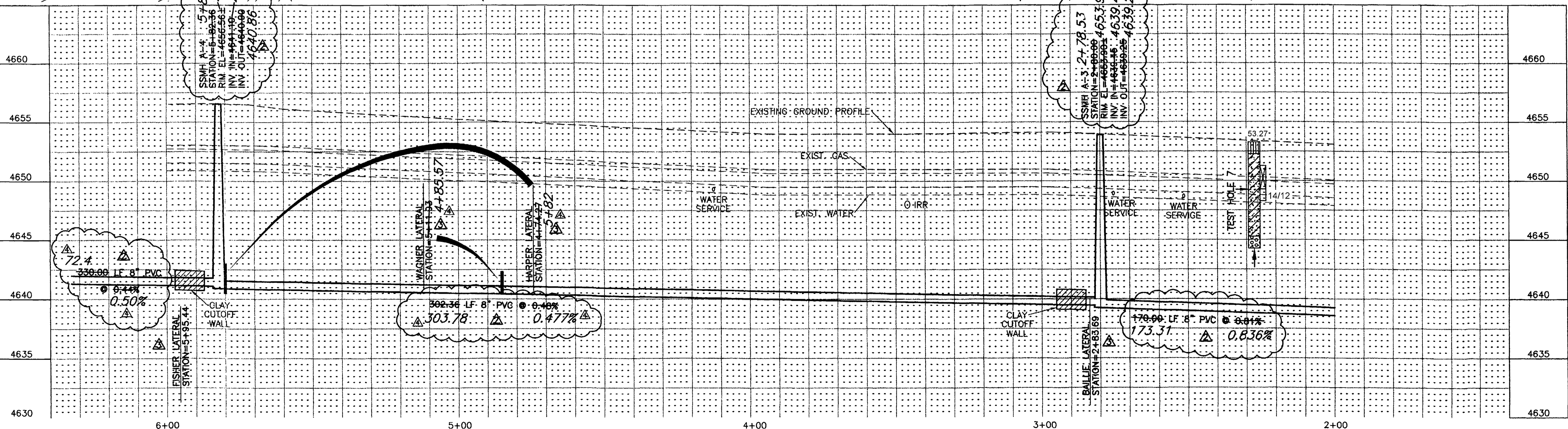
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A	DISTANCE CHANGED BETWEEN MH-A2 & MH-A3	1/24/02	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=20'
REVISION B	ASBUILT	9-9-02	ESS	9-17-01	HORIZ. 1"=20' VERT. 1"=5'
REVISION C			TDR	9-17-01	
REVISION D					

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
SANITARY SEWER PLAN & PROFILE  
REACH "A" STA. 0+00 TO STA. 2+00



- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE CONCRETE SIDEWALK AT EXISTING JOINTS AS DIRECTED. (202/206).
  - ② CUT EXIST. ASPHALT DRIVEWAY WITH A STRAIGHT CLEAN CUT. REPLACE ASPHALT TO LIMITS SHOWN.
  - ③ NOT USED.
  - ④ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ⑤ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑥ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING GRAVEL, 4" THICK. (304).
  - ⑦ CONSTRUCT GRAVEL SHOULDER TREATMENT. (304).
  - ⑧ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑨ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑩ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).



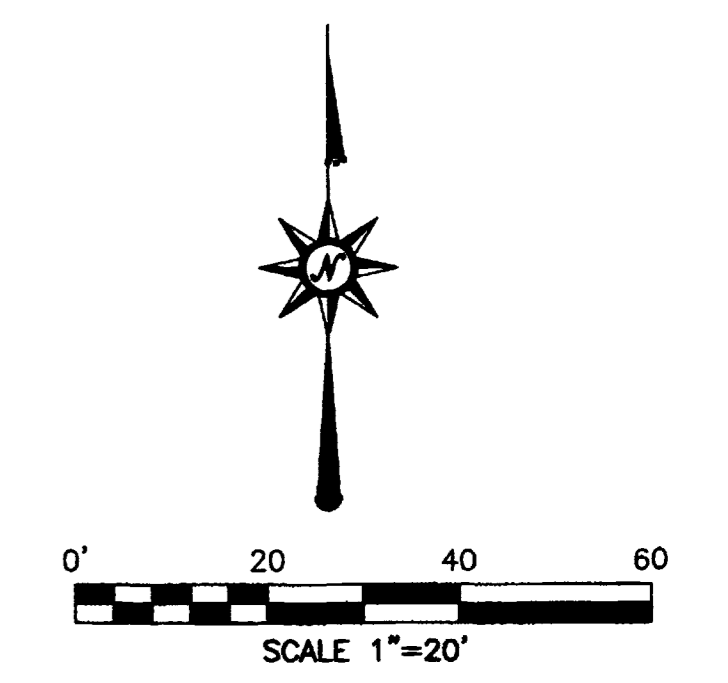
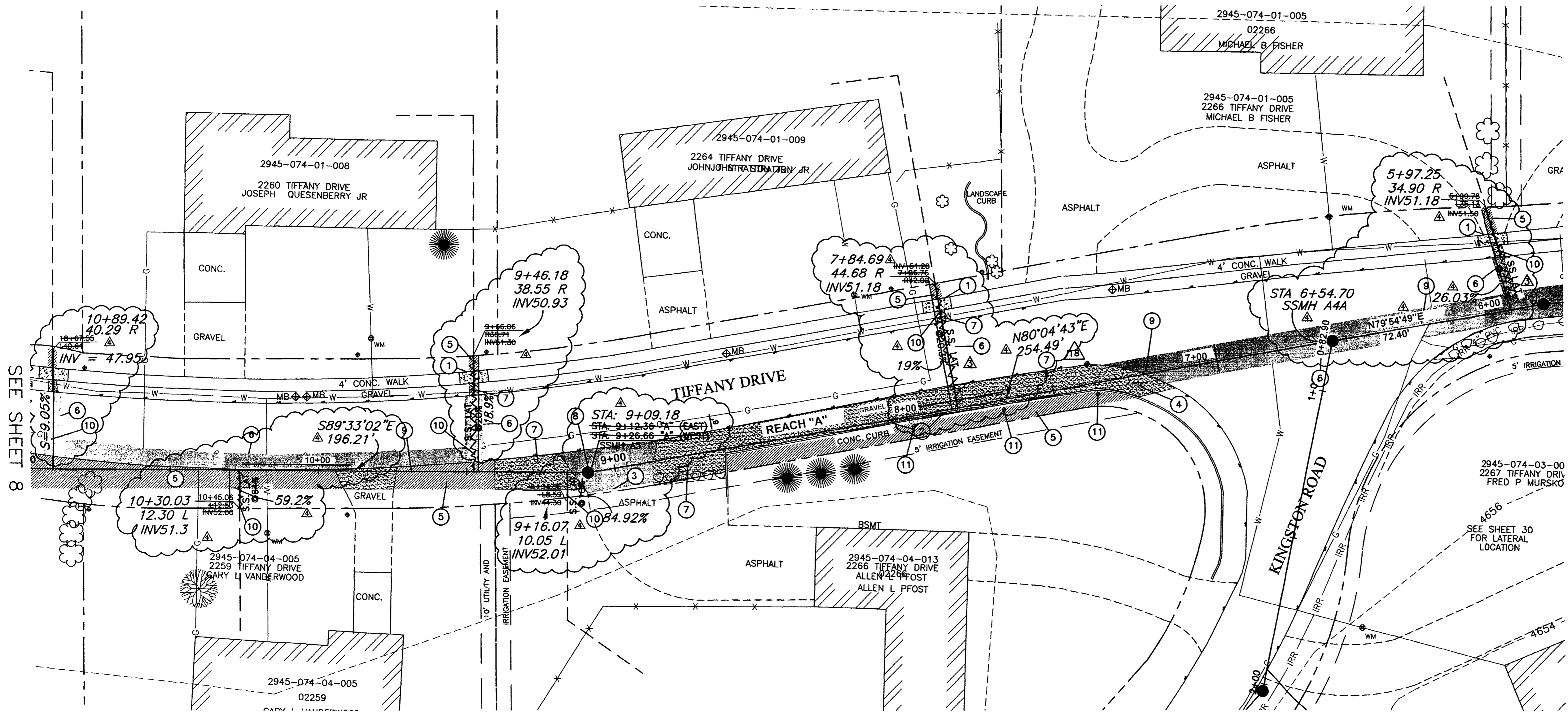
**SURVEY CONTROL**  
 20 STATION: 2+57.92 "A"  
 OFFSET 9.74' LT.  
 PK NAIL WITH WASHER  
 N:41993.508, E:72380.307  
 ELEVATION=4653.72

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

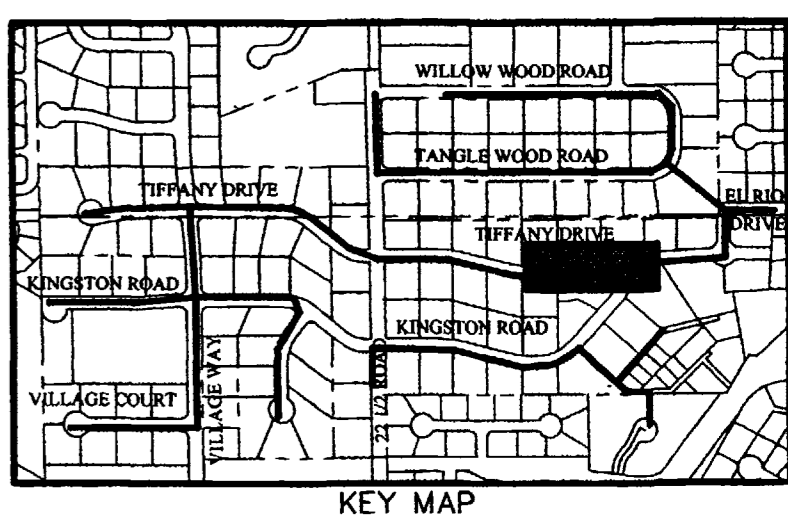
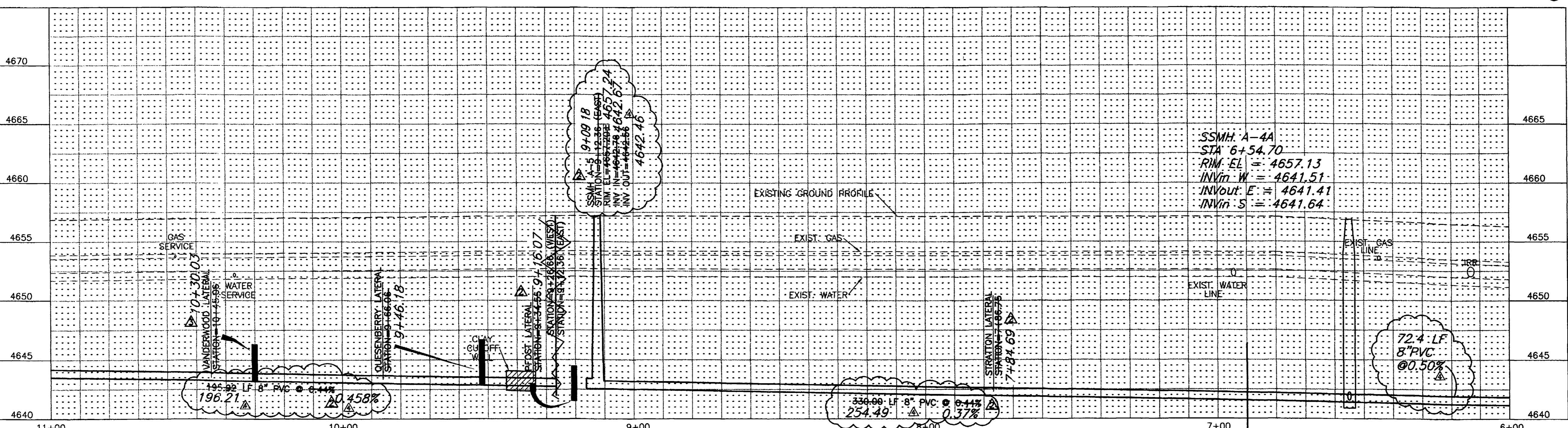
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION	SSMH-A3 & A4 HAVE BEEN RELOCATED	1/24/02	JLG	9-17-01	PLAN
REVISION	NEW DATA FOR SAN. SEWER LATERALS	2/11/02	ESS	9-17-01	PROFILE
REVISION	ASBUILT	9-9-02	IDR	9-17-01	HORIZ. 1"=20'
					VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "A" STA. 2+00 TO STA. 6+00



- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE CONCRETE SIDEWALK AT EXISTING JOINTS AS DIRECTED. (202/206).
  - ② REMOVE AND REPLACE 150 LF CONCRETE LANDSCAPE CURBING. (262 / 609).
  - ③ CUT EXISTING ASPHALT DRIVEWAY WITH A STRAIGHT STRAIGHT CLEAN CUT. REPLACE ASPHALT.
  - ④ RESET ROAD SIGN (202 / 310).
  - ⑤ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ⑥ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑦ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - ⑧ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑨ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑩ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - ⑪ RESET SPRINKLER HEADS.



**SURVEY CONTROL**

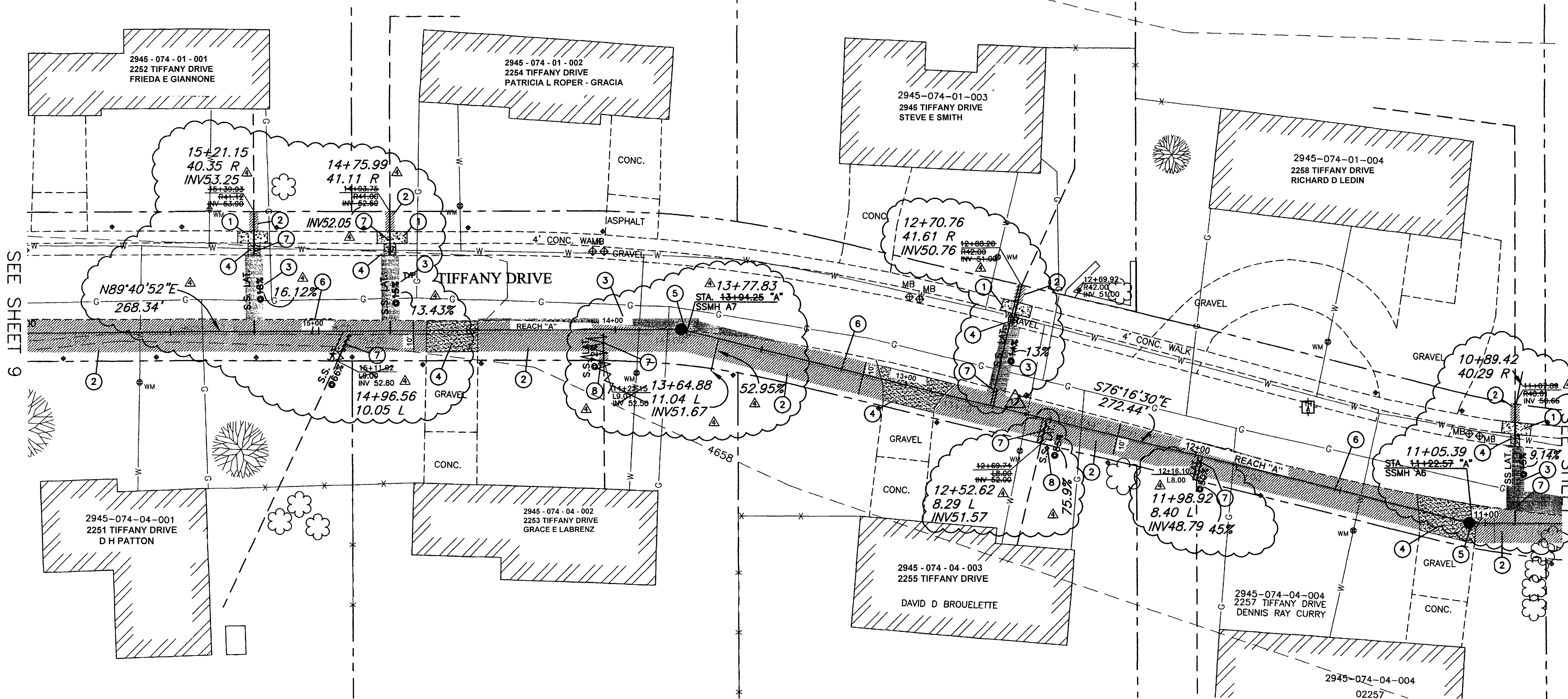
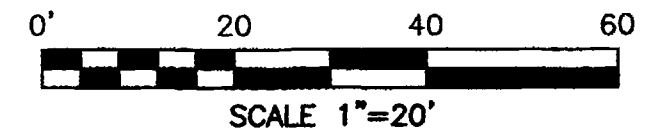
⑧ STATION: 7+55.55 "A"  
 OFFSET 6.21' RT.  
 PK NAIL WITH WASHER  
 N:41924.639, E:71911.748  
 ELEVATION=4657.34

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

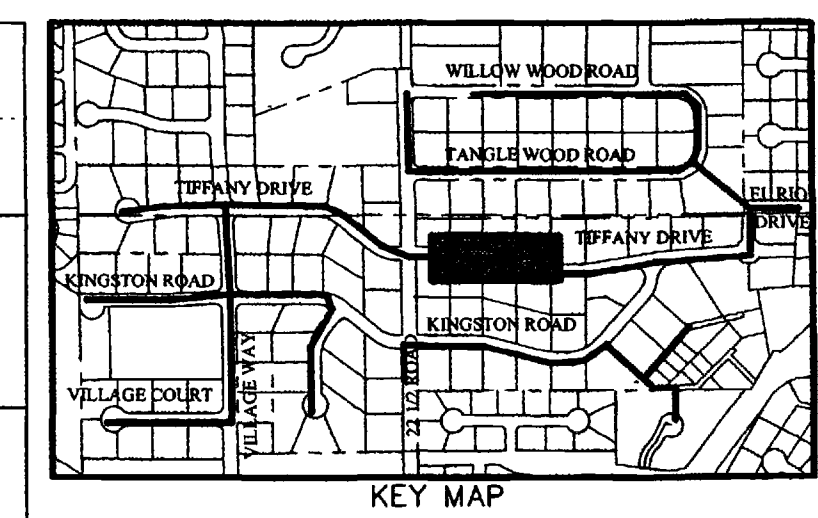
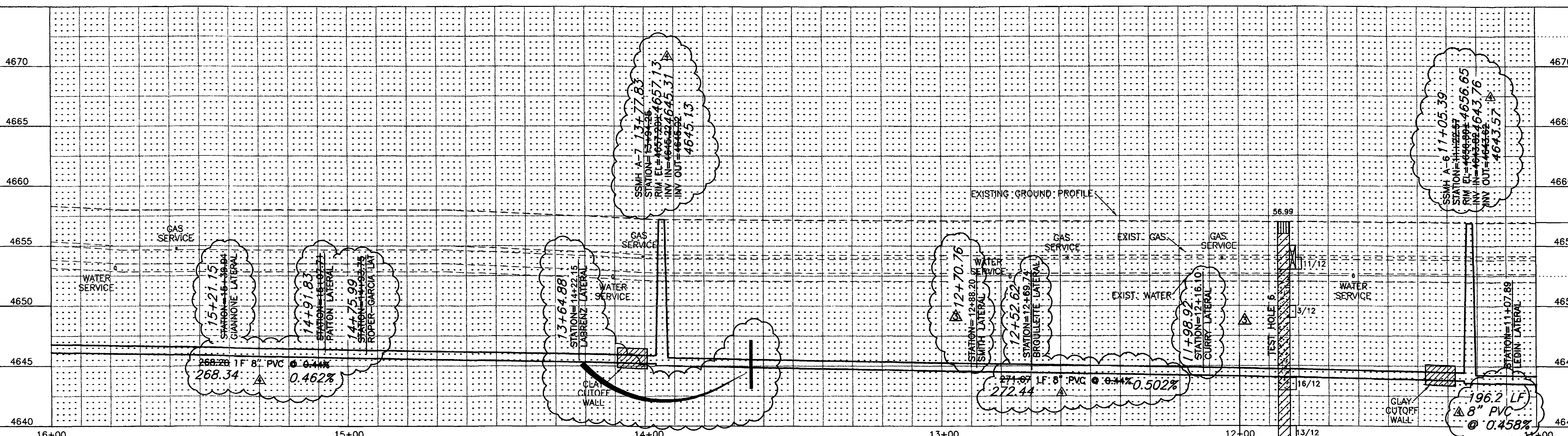
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A	LOCATION SSMH-A4 HAS MOVED	1/24/02	JLG	9-17-01	PLAN 1"=20'
REVISION B	SEE SEWER LATERALS FOR CHANGES.	2/11/02	ESS	9-17-01	PROFILE HORIZ. 1"=20'
REVISION C	ASBUILT	9-9-02	TDR	9-17-01	VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "A" STA.6+00 TO STA.11+00



- CONSTRUCTION NOTES:**
- 1 REMOVE AND REPLACE CONCRETE SIDEWALK AT EXISTING JOINTS AS DIRECTED. (202/206).
  - 2 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 3 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 4 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - 5 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 6 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 7 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 8 PROTECT SPRINKLER HEAD IN PLACE.



**SURVEY CONTROL**

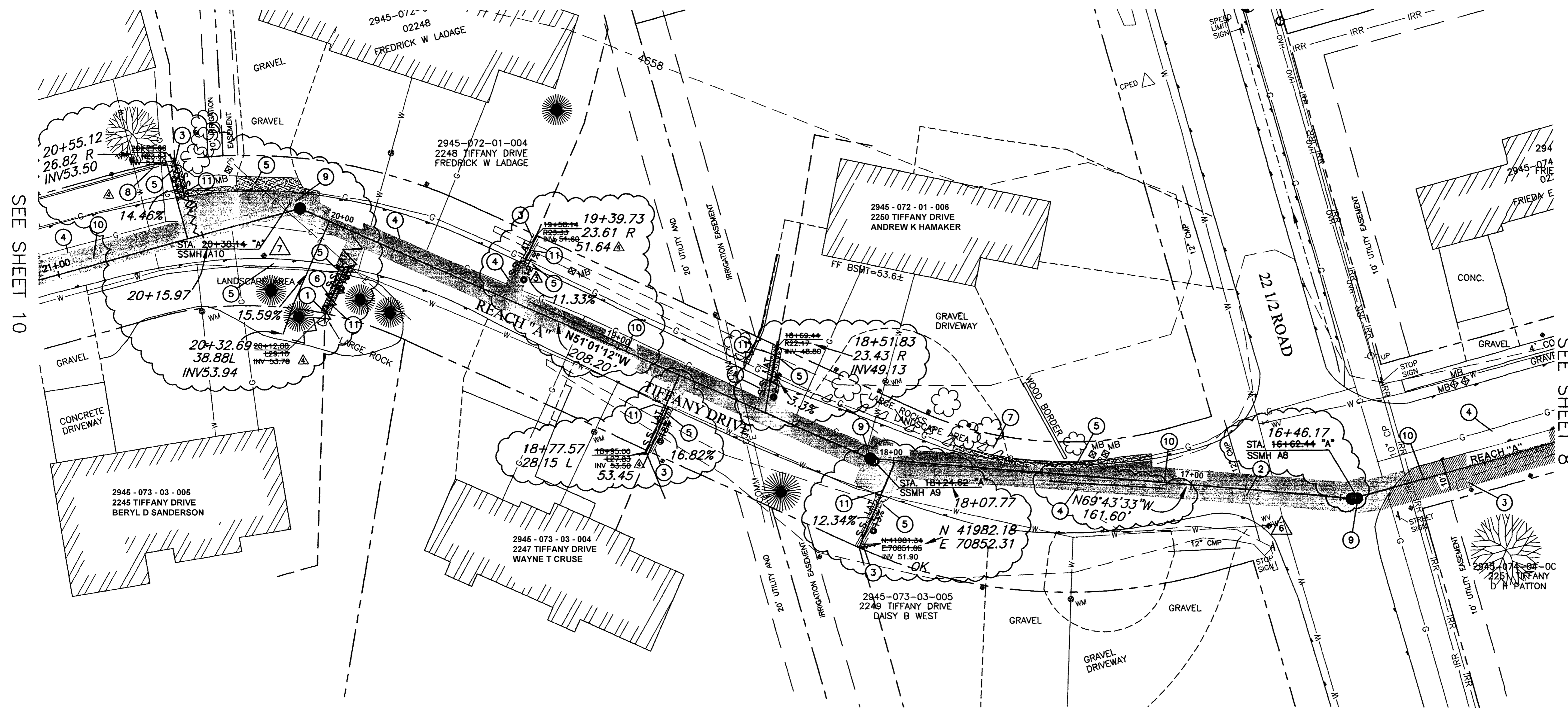
△ STATION: 12+78.24 "A"  
 OFFSET 6.69' RT.  
 PK NAIL WITH WASHER  
 N:41932.333, E:71398.721  
 ELEVATION=4656.89

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

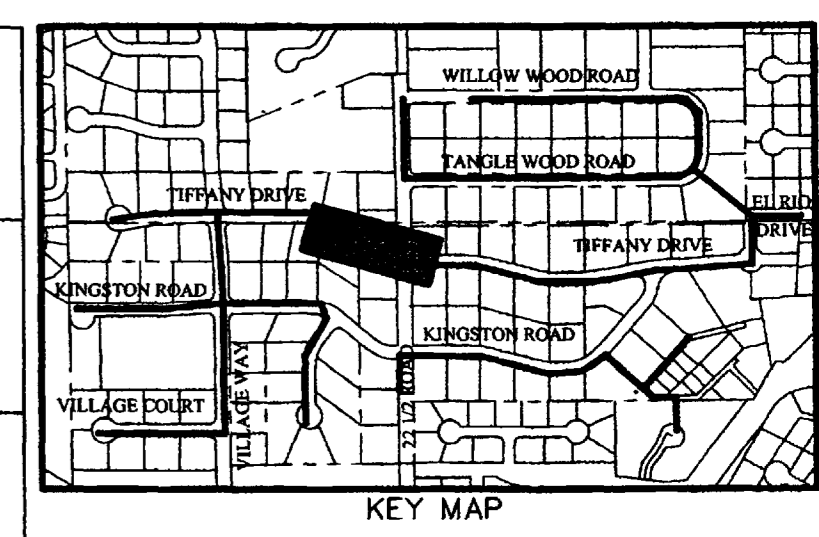
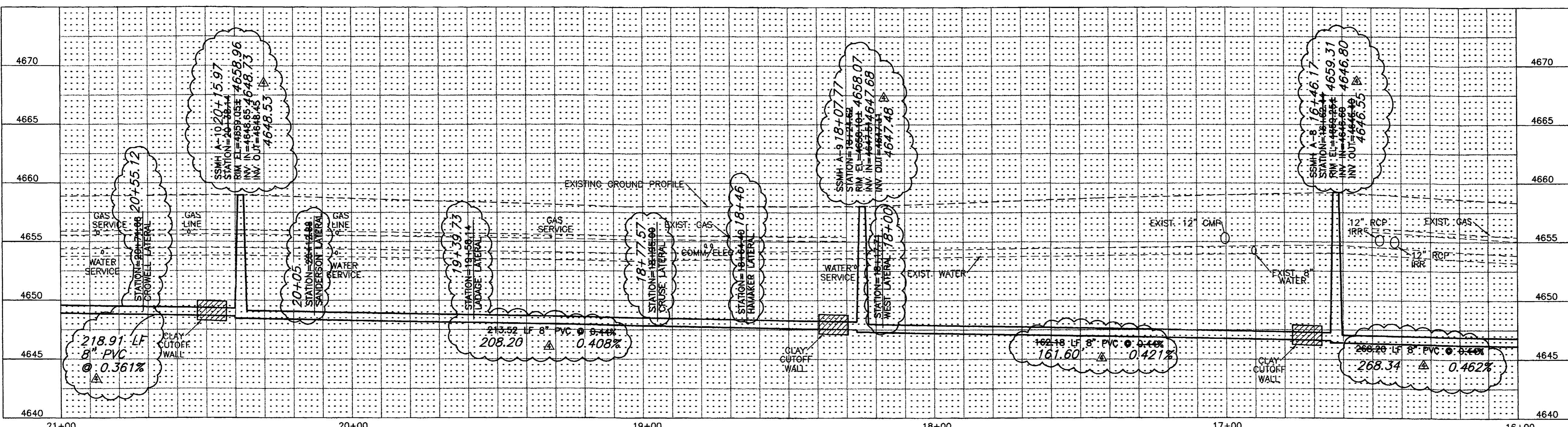
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A			JLG	9-17-01	PLAN 1"=20' PROFILE 1"=20'
REVISION B	CHANGES TO SEW. LAT. STATIONS IN PROFILE	2/11/02	ESS	9-17-01	HORIZ. 1"=20' HORIZ. 1"=20'
REVISION C	ASBUILT	9-9-02	TDR	9-17-01	VERT. 1"=5'

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "A" STA.11+00 TO STA.16+00**



- CONSTRUCTION NOTES:**
- 1 CENTER SANITARY LATERAL BETWEEN THE EVERGREEN BUSHES AS SHOWN.
  - 2 REMOVE AND REPLACE 20 LF 12" CMP. MATCH EXISTING INVERTS. (202 / 102 / 103 / 104).
  - 3 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 4 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 5 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 6 REPLACE GRAVEL LANDSCAPING MATERIAL TO MATCH EXISTING, 4" THICK.
  - 7 PROTECT / REPLACE AS NECESSARY LANDSCAPE MATERIAL (INCIDENTAL TO WORK).
  - 8 REPLACE LANDSCAPE CURB IF DAMAGED (INCIDENTAL TO WORK).
  - 9 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 10 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 11 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).



**SURVEY CONTROL**

△ STATION: 20+01.32 "A"  
OFFSET 14.64' LT.  
PK NAIL  
N:42127.988, E:70684.888  
ELEVATION=4659.02

△ STATION: 16+91.38 "A"  
OFFSET 9.64' LT.  
PK NAIL  
N:41951.619, E:70985.030  
ELEVATION=4658.72

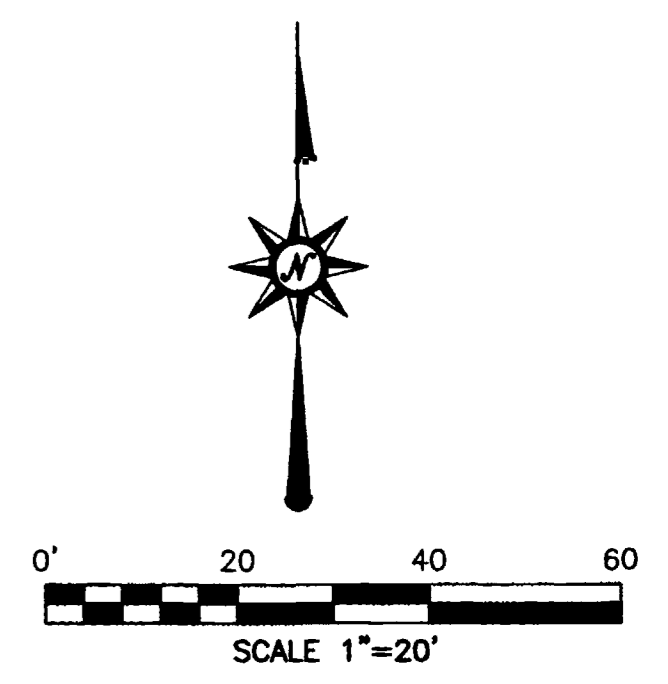
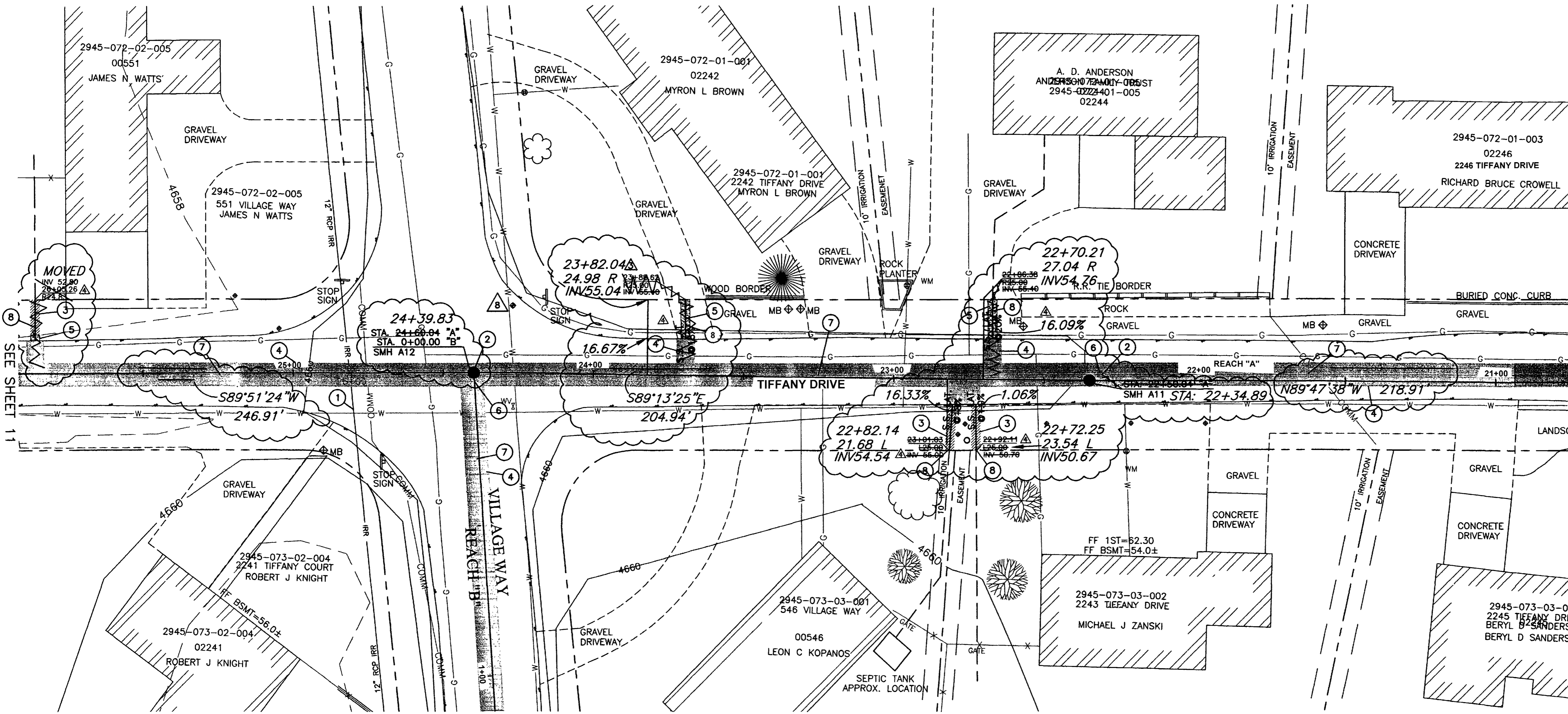
CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
△	SLOPE FOR SEW. LAT CHANGES 2248 TIFFANY DR.	2/11/02	JLG	9-17-01	PLAN 1"=20'
△	ASBUILT	9-9-02	ESS	9-17-01	PROFILE 1"=20'
△			TDR	9-17-01	HORIZ. 1"=20'
△					VERT. 1"=5'

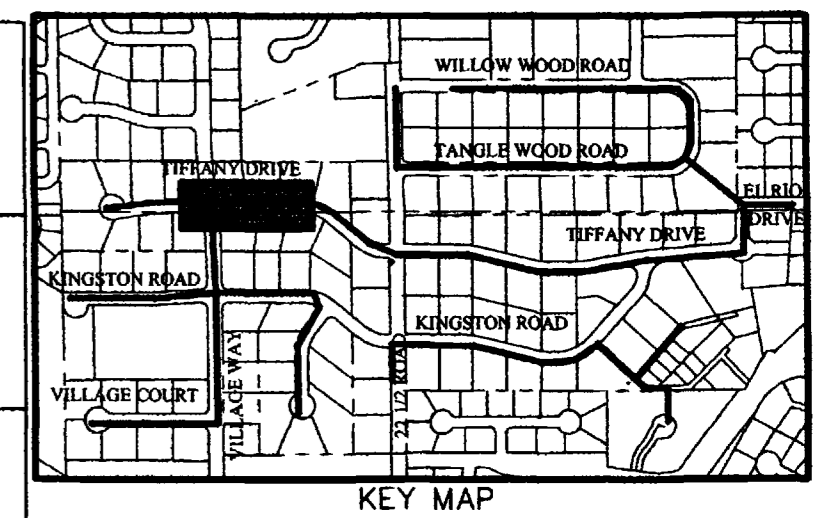
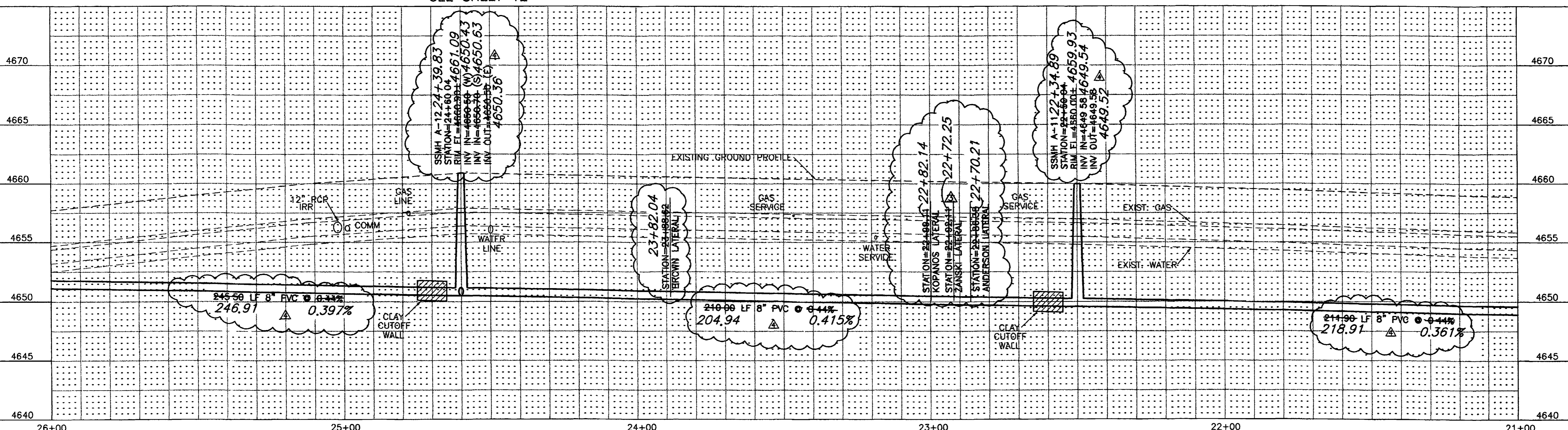
**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
CITY OF GRAND JUNCTION, COLORADO**

**REDLANDS VILLAGE SOUTH  
SANITARY SEWER PLAN & PROFILE  
REACH "A" STA.16+00 TO STA.21+00**





- CONSTRUCTION NOTES:**
- ① LOCATION OF 12" RCP IRRIGATION WAS OBTAINED FROM RECORD DRAWINGS.
  - ② 8" PVC SEWER TO BE PLACED THROUGH MANHOLE IN EAST-WEST DIRECTION. CUT OUT TOP OF PIPE.
  - ③ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ④ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑤ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - ⑥ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑦ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑧ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).



**SURVEY CONTROL**

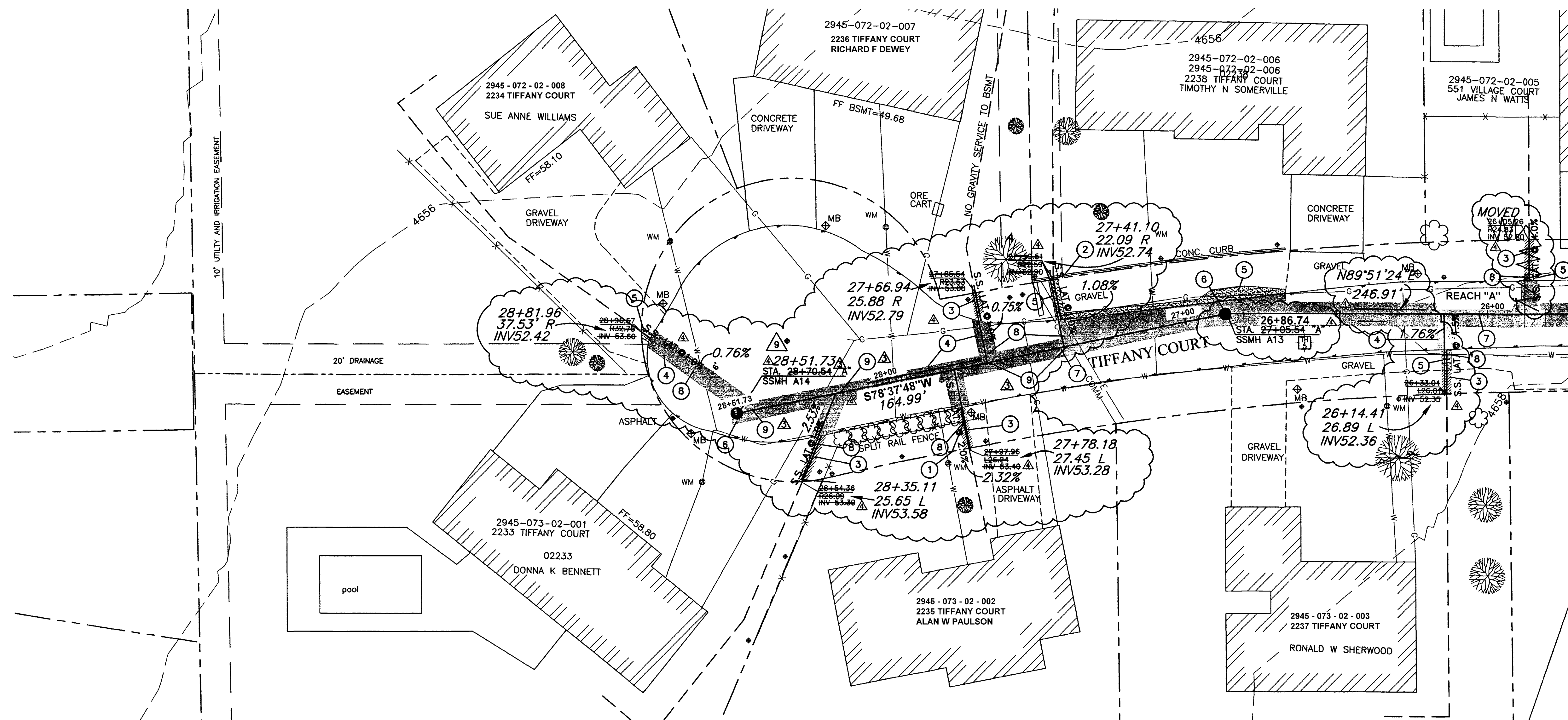
△ STATION: 24+46.08 "A"  
 OFFSET 22.91' RT.  
 PK NAIL  
 N:42165.675, E:70290.141  
 ELEVATION=4660.59

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

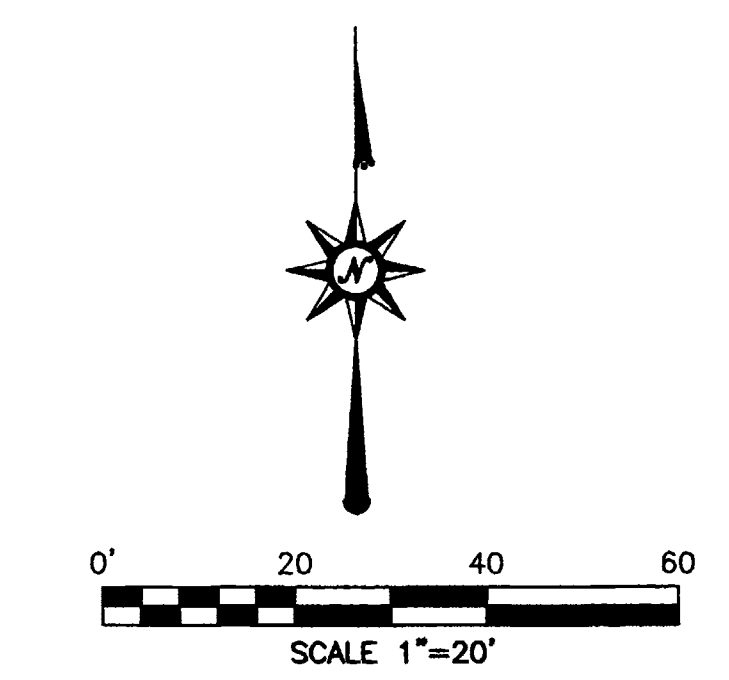
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION △			JLG	9-17-01	PLAN PROFILE
REVISION △	ELEV. TO SEW LAT AND STA. CHANGES	2/11/02	ESS	9-17-01	HORIZ. 1"=20'
REVISION △	ASBUILT	6-9-02	IDR	9-17-01	HORIZ. 1"=20'
					VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

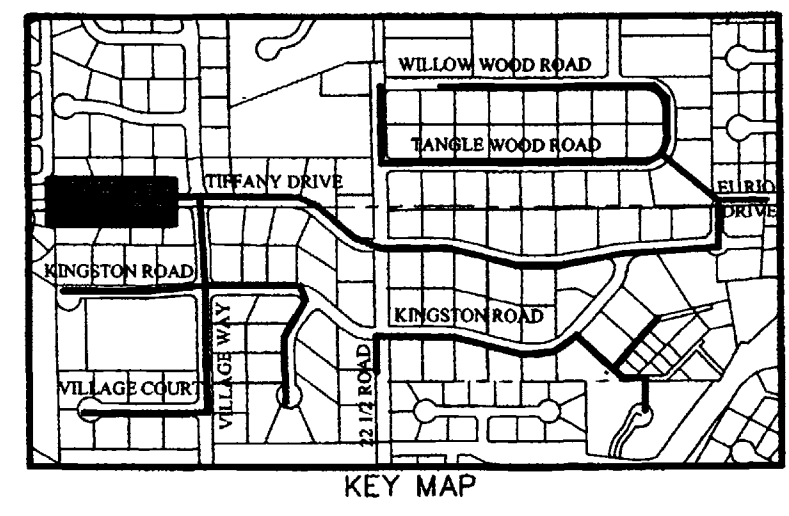
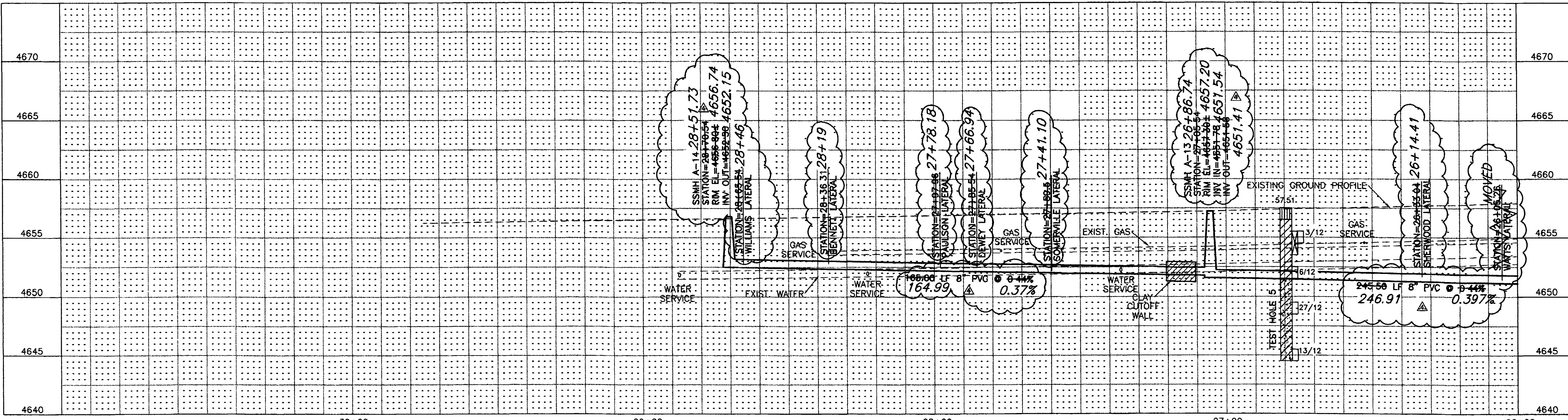
REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "A" STA.21+00 TO STA.26+00



SEE SHEET 10



- CONSTRUCTION NOTES:**
- 1 REMOVE AND RESET FENCE TO FACILITATE CONSTRUCTION OF SERVICE LATERAL. (10 L.F.).
  - 2 EXISTING CONCRETE CURB IS APPROXIMATELY ON RIGHT-OF-WAY LINE. REPLACE IF DISTURBED BY CONSTRUCTION. (INCIDENTAL TO WORK)
  - 3 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 4 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 5 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 6 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02. (102 / 103 / 104).
  - 7 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 8 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 9 WYE'S SHOULD BE TURNED DOWN AS NEEDED SO THE END OF SERVICE ELEVATION IS MET AND THE LATERAL SLOPE IS NOT LESS THAN 1.00%.



**SURVEY CONTROL**

STATION: 28+49.91 "A"  
 OFFSET 20.28' RT.  
 PK NAIL  
 N:42134.224, E:69885.145  
 ELEVATION=4656.72

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

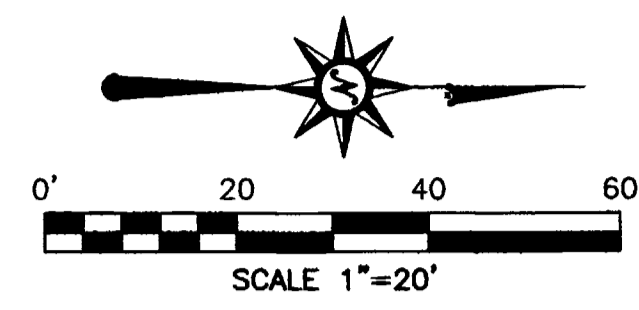
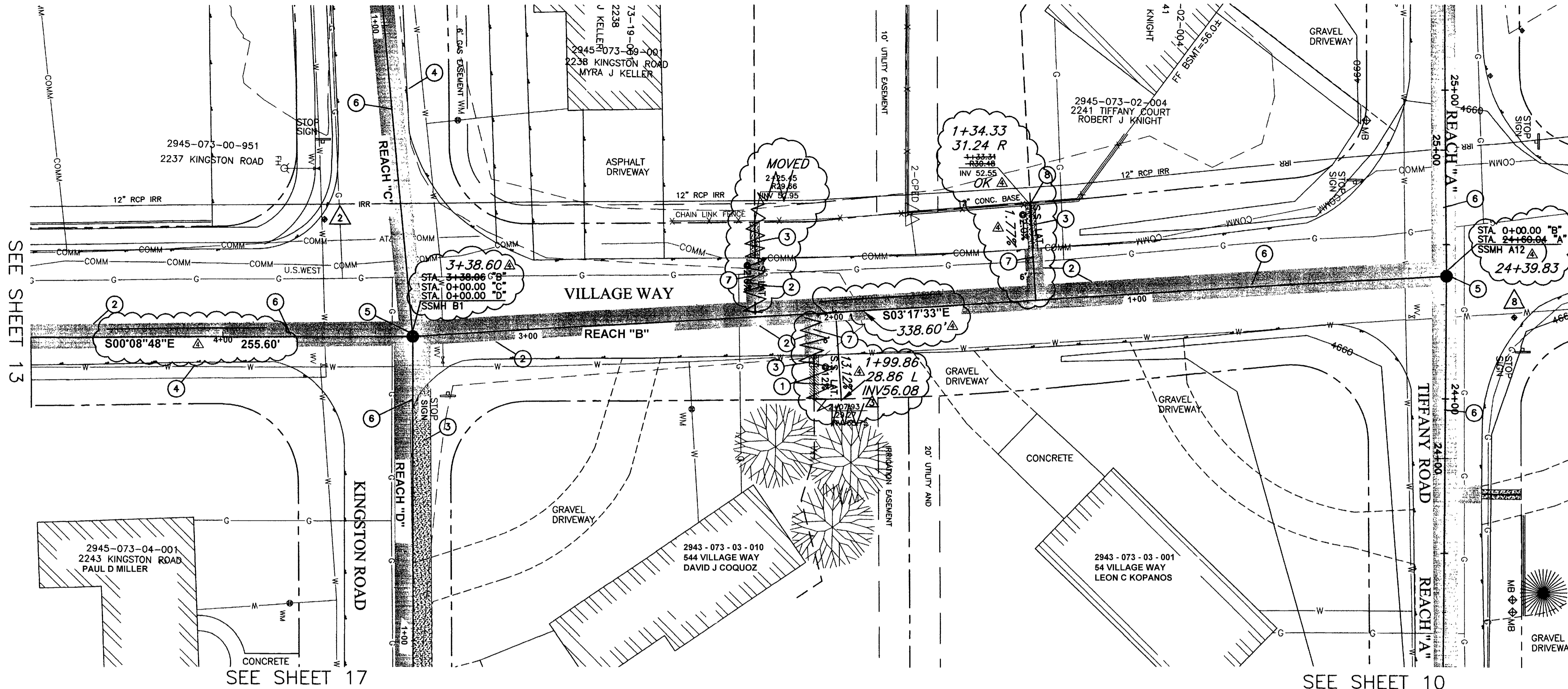
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION			JLG	9-17-01	PLAN 1"=20'
REVISION			ESS	9-17-01	PROFILE 1"=20'
REVISION	ADDED NOTE NO. 9	2/11/02	TDR	9-17-01	HORIZ. 1"=20'
REVISION	ASBUILT	9-9-02			VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

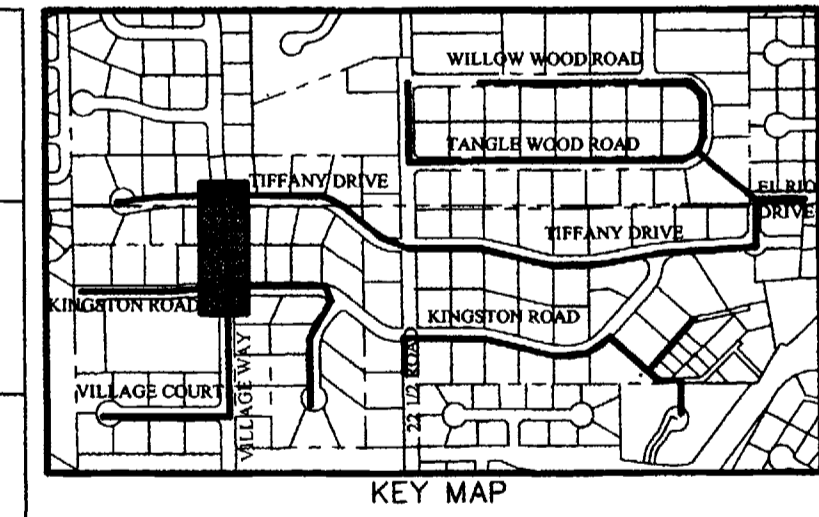
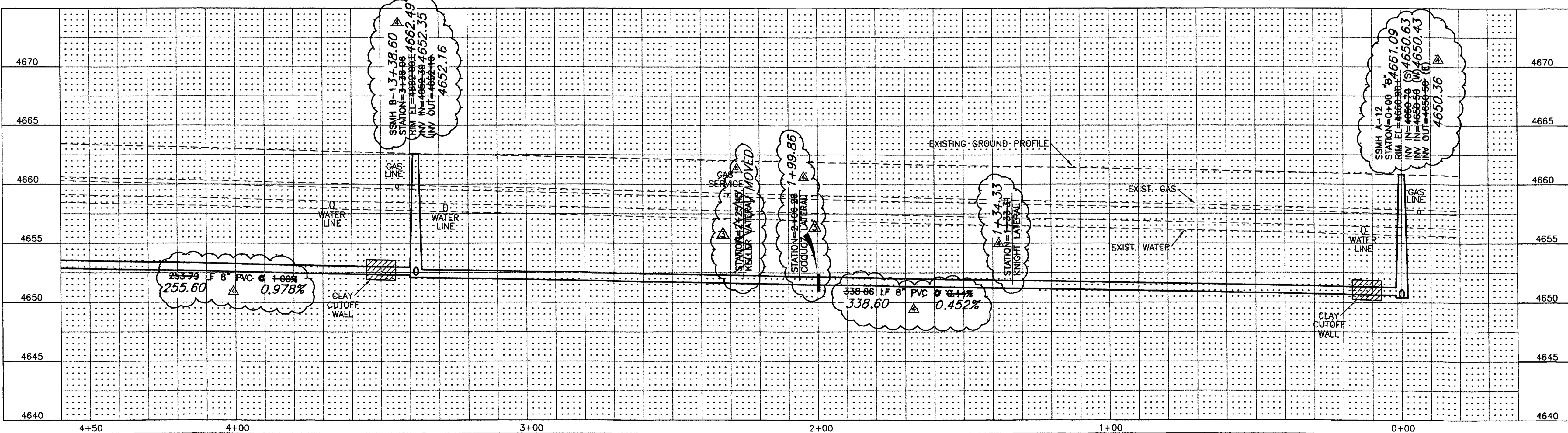
REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "A" STA.26+00 TO STA.28+70.54

SEE SHEET 15

SEE SHEET 10



- CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 2 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 3 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 4 CONSTRUCT GRAVEL SHOULDER TREATMENT. (304).
  - 5 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARD DETAIL SS-02. (102 / 103 / 104).
  - 6 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 7 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 8 PROTECT CONCRETE BASE AND FENCE IN PLACE.



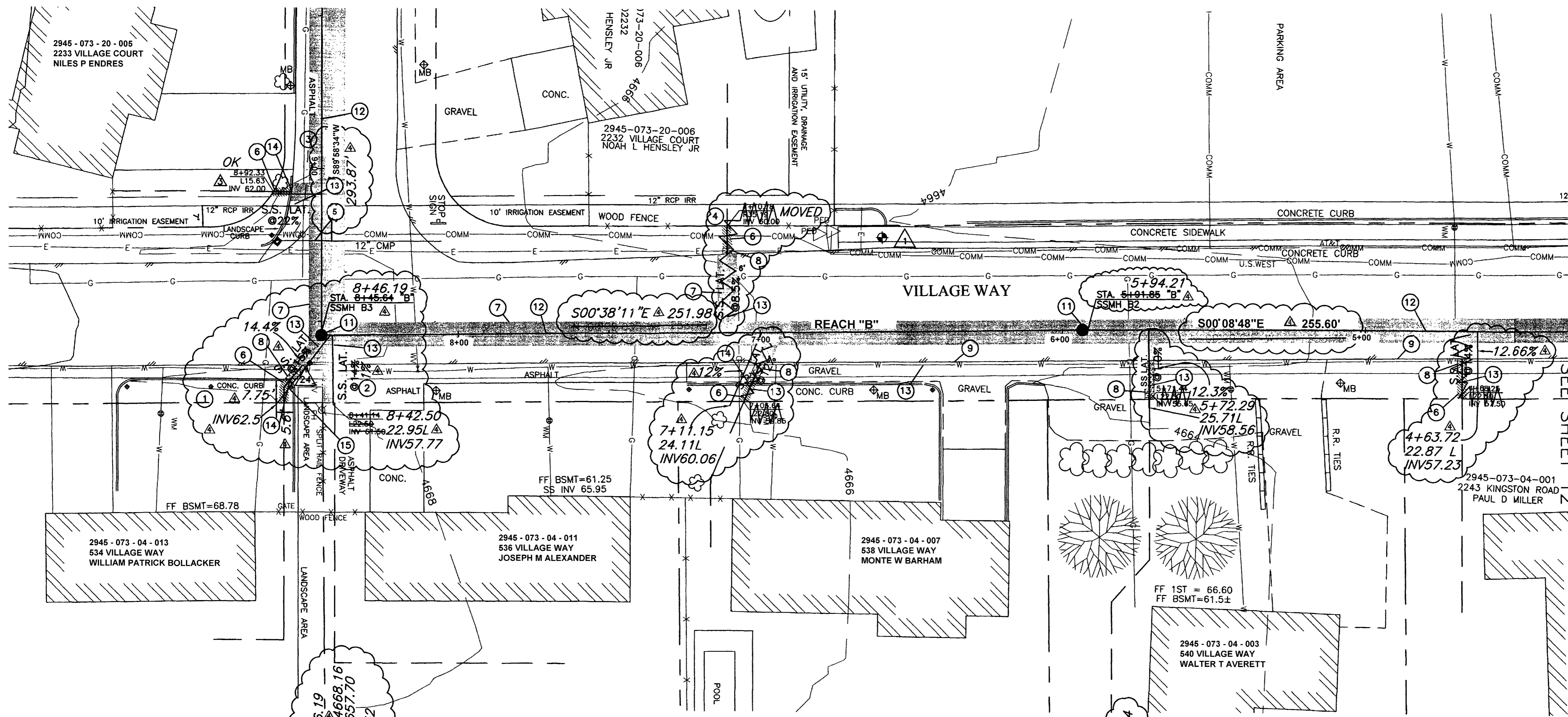
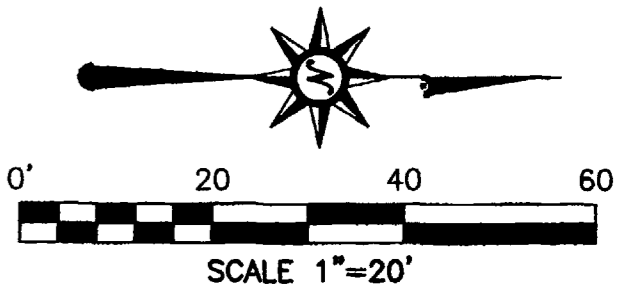
- SURVEY CONTROL**
- 2 STATION: 3+66.18 "B"  
OFFSET 37.23' RT.  
PK NAIL WITH WASHER  
N:41776.818, E:70258.549  
ELEVATION=4662.35
  - 8 STATION: -0+22.07 "B"  
OFFSET 14.97' RT.  
PK NAIL  
N:42165.675, E:70290.141  
ELEVATION=4660.59

CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

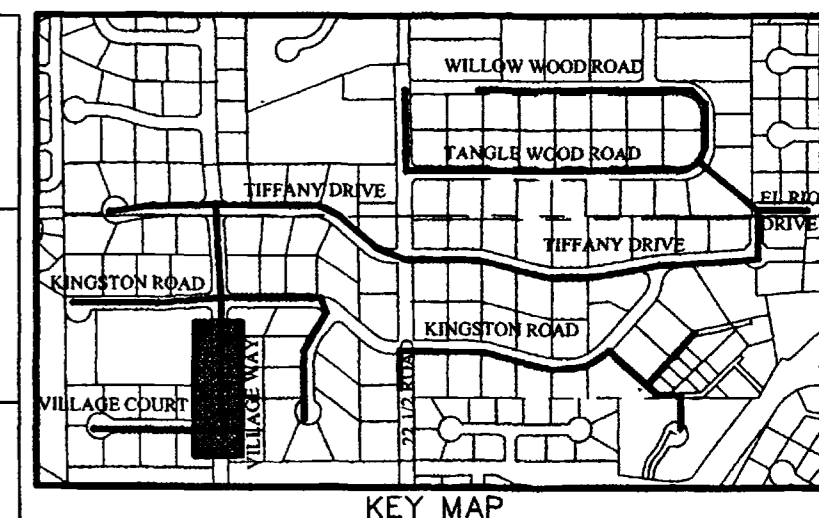
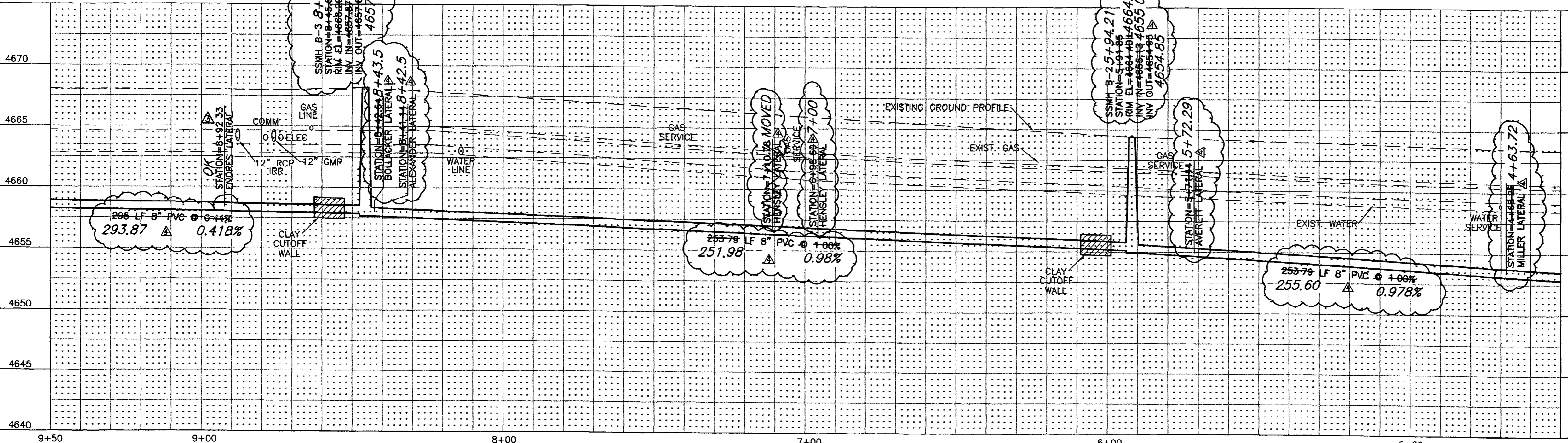
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION 1			JLG	9-17-01	PLAN 1"=20'
REVISION 2			ESS	9-17-01	HORIZ. 1"=20'
REVISION 3	SEWER LATERAL INFO. CHANGED.	2/11/02	IDR	9-17-01	VERT. 1"=5'
REVISION 4	ASBUILT	9-9-02			

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
SANITARY SEWER PLAN & PROFILE  
REACH "B" STA. 0+00 TO STA. 4+50



- CONSTRUCTION NOTES:**
- 1 INSTALL 4" 45' PVC BEND. (102 / 103 / 104).
  - 2 CUT EXISTING ASPHALT DRIVEWAY WITH A STRAIGHT CLEAN CUT. REPLACE ASPHALT.
  - 3 REMOVE AND REPLACE ASPHALT PAVEMENT TO EXISTING SOUTH EDGE. PAVE WITH INVERT TOWARDS CMP.
  - 4 IF NECESSARY ADJUST LATERAL LOCATION TO BE CENTERED BETWEEN FENCE POSTS.
  - 5 REMOVE AND REPLACE 8 LF 12" CMP MATCH EXISTING INVERTS.
  - 6 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 7 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 8 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 9 REMOVE AND REPLACE ASPHALT TO EXISTING EAST EDGE.
  - 10 CONSTRUCT GRAVEL SHOULDER TREATMENT. (304).
  - 11 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 12 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 13 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 14 REMOVE AND REPLACE (3 EACH) 5 LF LANDSCAPE CURB. (202 / 609).
  - 15 RESET SPRINKLER HEAD.



**SURVEY CONTROL**

24 N 21°09'14" E 10.10' TO STATION: 8+45.64 "B" PK NAIL WITH WASHER N:41294.038, E:70309.24 ELEVATION=4668.04

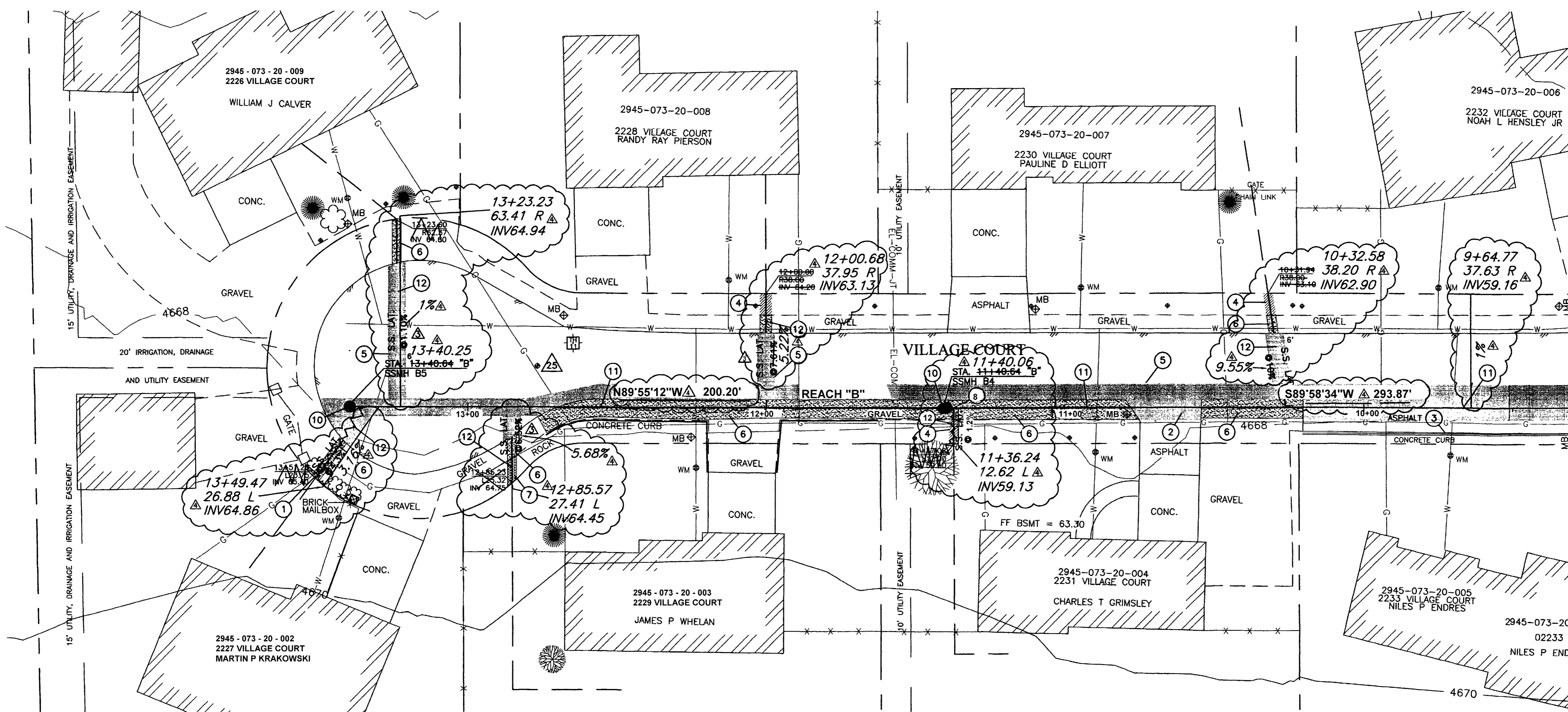
1 STATION: 6+59.39 "B" OFFSET 31.19 RT. PK NAIL WITH WASHER N:41483.669, E:70267.054 PROJECT BENCHMARK ELEV=4665.17 NAVD 88

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

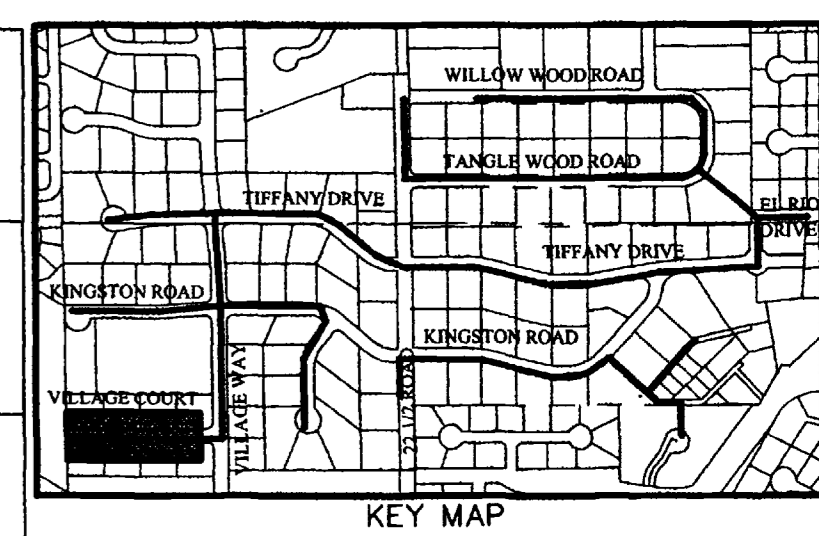
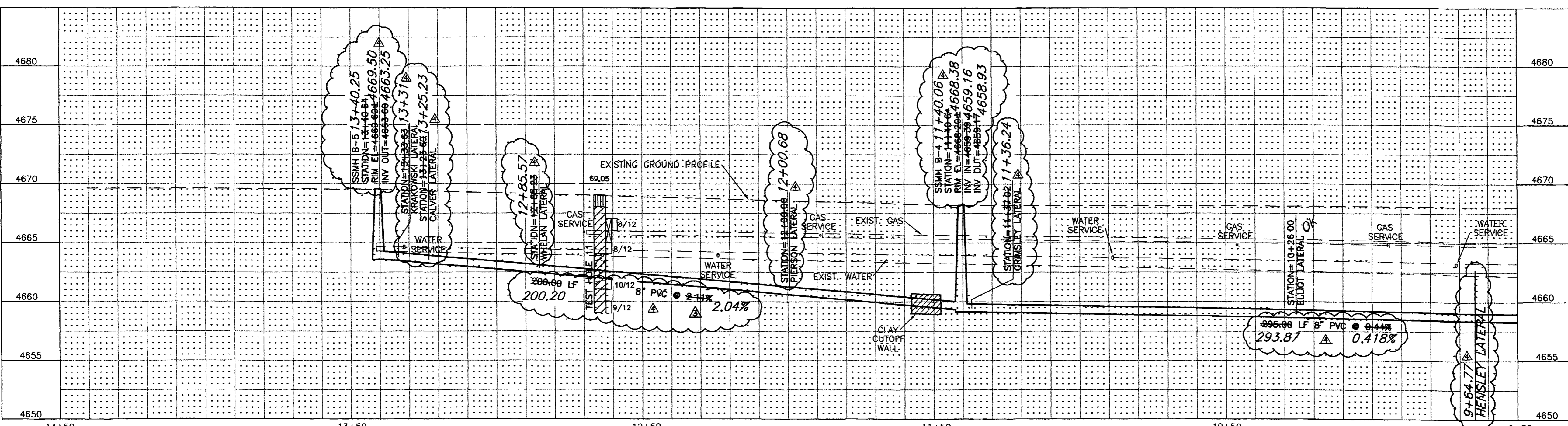
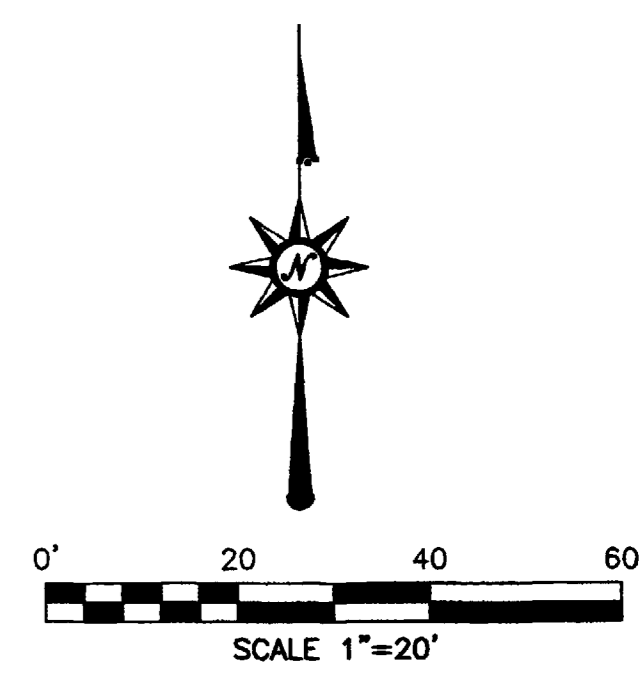
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION $\Delta$			JLG	9-17-01	PLAN 1"=20'
REVISION $\Delta$	SEW. LAT. INFO. CHANGES FOR 2233 VILLAGE CT.	2/11/02	ESS	9-17-01	PROFILE 1"=20'
REVISION $\Delta$	ASBUILT	9-9-02	TDR	9-17-01	VERT. 1"=5'
REVISION $\Delta$					

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "B" STA. 4+50 TO STA. 9+50



- CONSTRUCTION NOTES:**
- 1 PROTECT CHAIN LINK FENCE IN PLACE. CONTACT OWNER AND REMOVE BUSHES AS NECESSARY. INCIDENTAL TO WORK.
  - 2 CUT EXISTING ASPHALT DRIVEWAY WITH A STRAIGHT CLEAN CUT. REPLACE ASPHALT.
  - 3 REMOVE AND REPLACE ASPHALT PAVEMENT TO EXISTING SOUTH EDGE.
  - 4 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 5 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 6 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 7 REPLACE WITH DECORATIVE LANDSCAPE ROCK TO MATCH EXISTING, 4" THICK. (202 / 212).
  - 8 TURN WYE DOWN, 4" LATERAL INV 59.35
  - 9 NOT USED
  - 10 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02. (102 / 103 / 104).
  - 11 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 12 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).



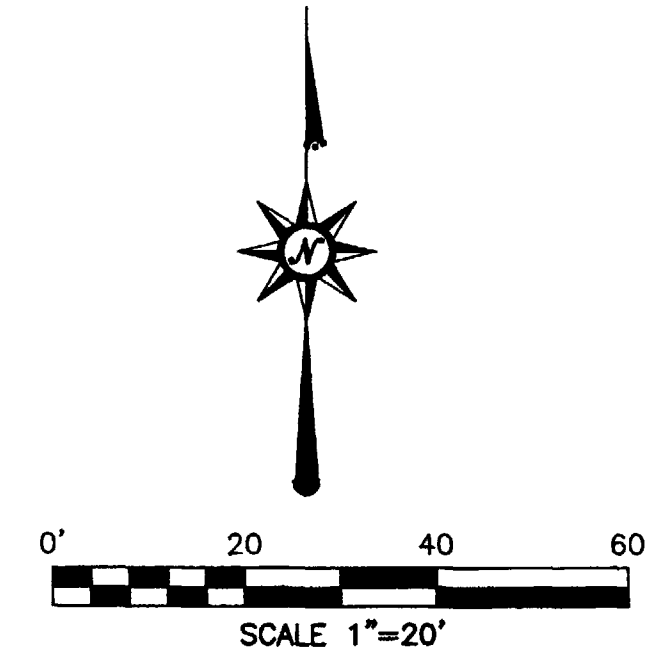
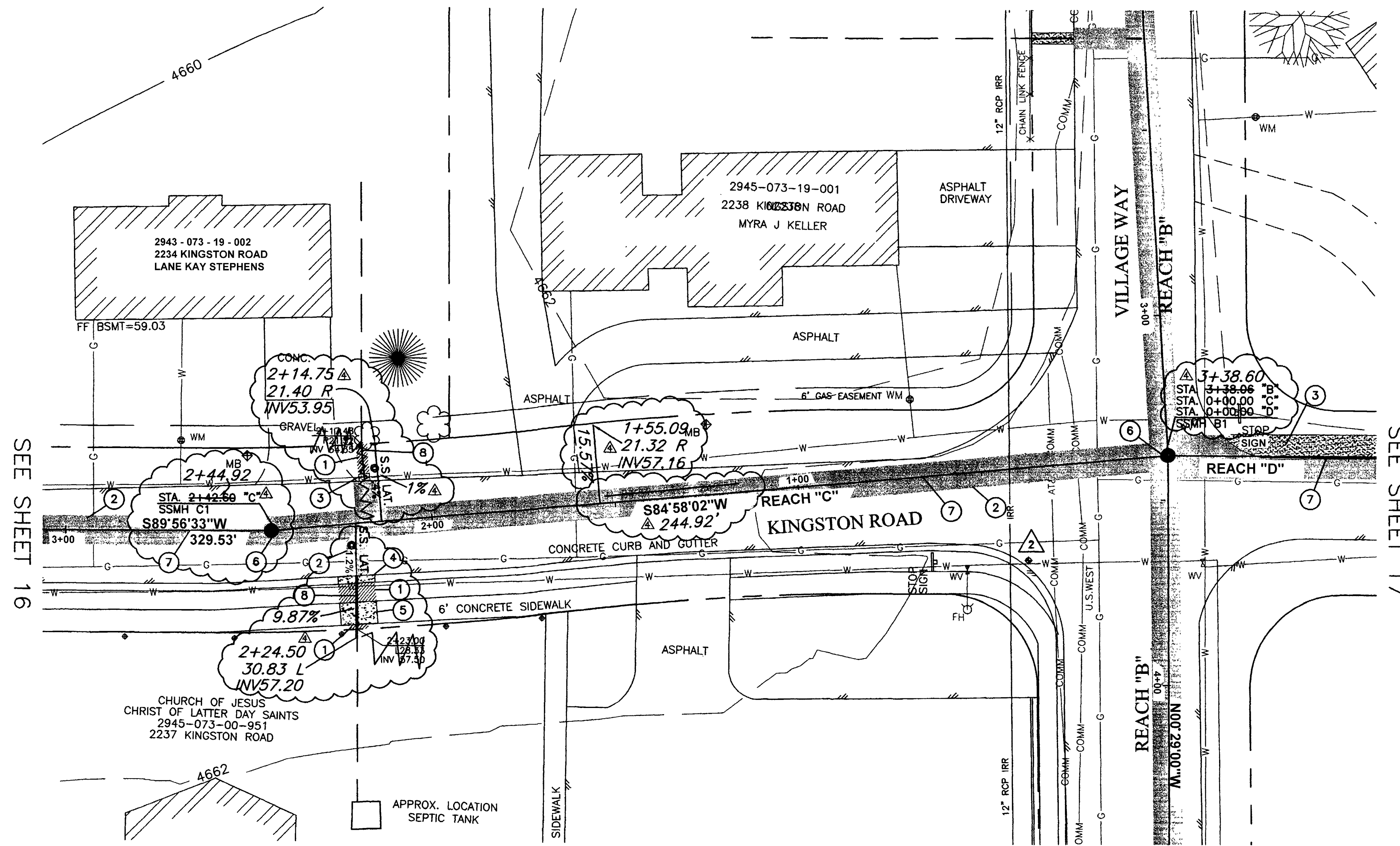
**SURVEY CONTROL**  
 25 STATION: 12+76.60 "B"  
 OFFSET 13.84' RT.  
 PK NAIL WITH WASHER  
 N:41311.651, E:69868.857  
 ELEVATION=4669.40

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION 1	SEW LAT INFO & MH B4-B5 SLOPE CHANGES	2/11/02	JLG	9-17-01	PLAN 1"=20'
REVISION 2	ASBUILT	9-9-02	ESS	9-17-01	PROFILE 1"=5'

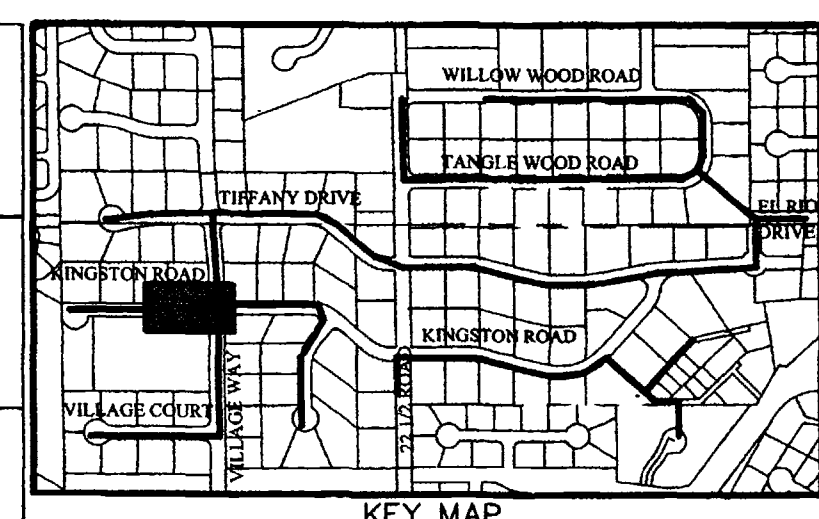
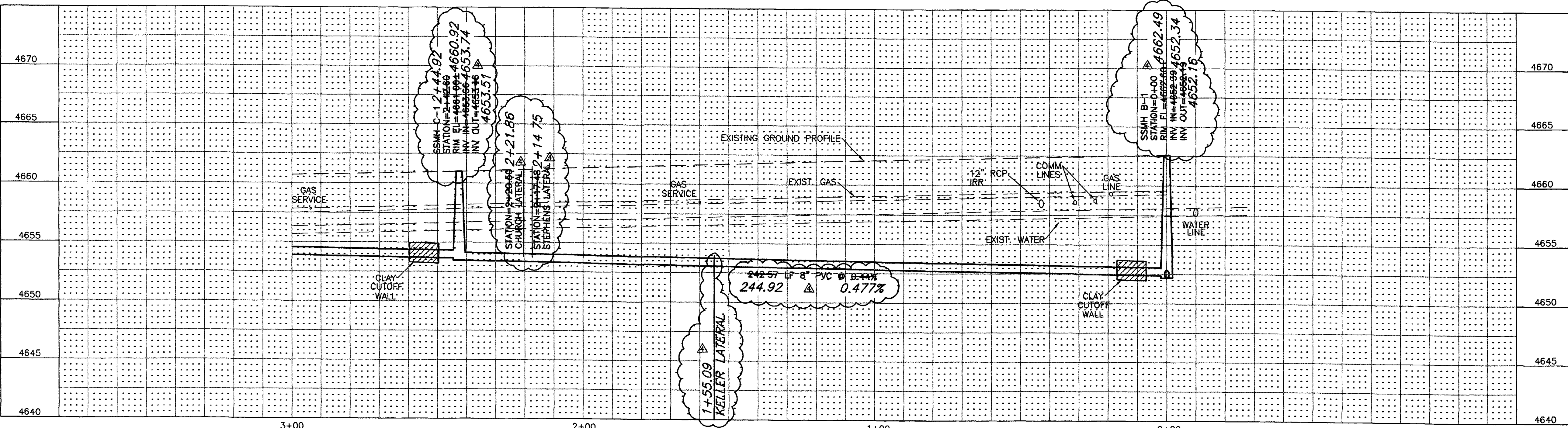
**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "B" STA.9+50 TO STA.13+40.64**



**CONSTRUCTION NOTES:**

- 1 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
- 2 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
- 3 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
- 4 REMOVE AND REPLACE 10 L.F. OF CONCRETE CURB AND GUTTER AT EXISTING JOINTS, (MATCH EXISTING GRADES). (202 / 609).
- 5 REMOVE AND REPLACE 10 L.F. OF 6' CONCRETE SIDEWALK AT EXISTING JOINTS, (MATCH EXISTING GRADES). (202 / 608).
- 6 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02. (102 / 103 / 104).
- 7 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
- 8 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).



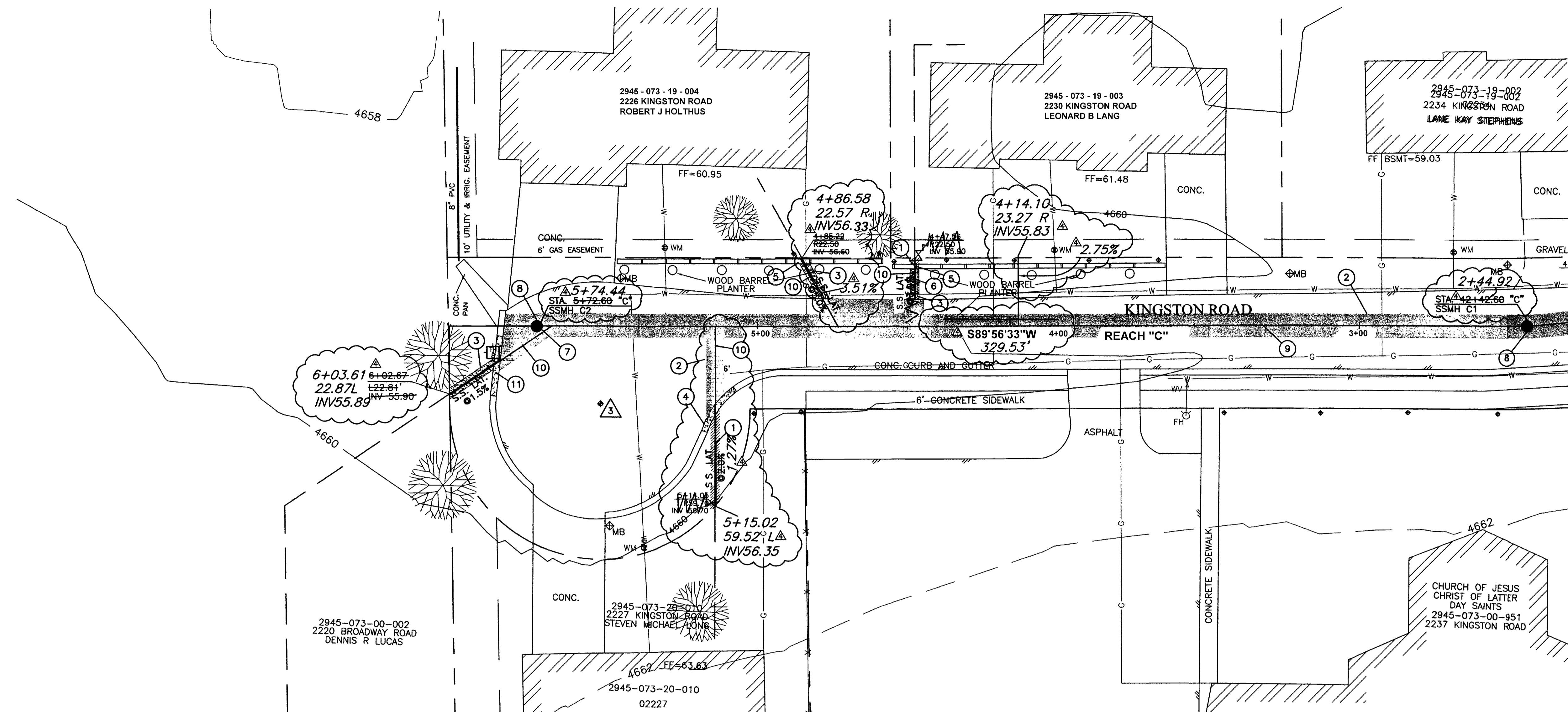
**SURVEY CONTROL**  
 2 STATION: 0+39.34 "C"  
 OFFSET 25.07' LT.  
 PK NAIL WITH WASHER  
 N:41776.818, E:70258.549  
 ELEVATION=4662.35

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

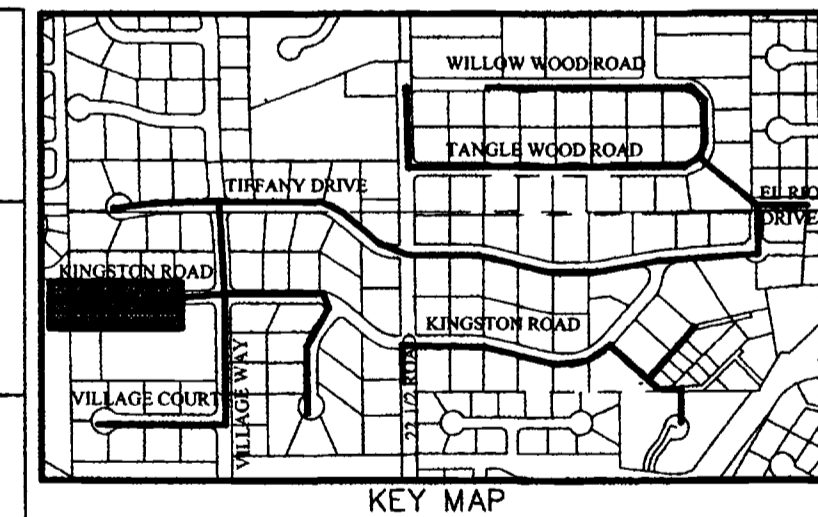
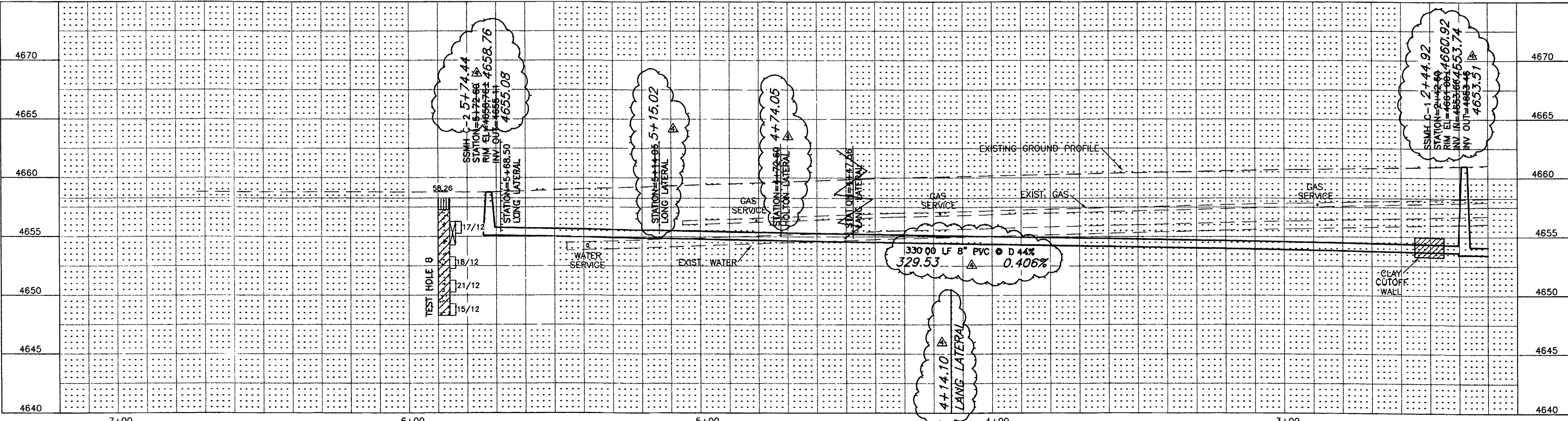
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION $\Delta$			JLG	9-17-01	PLAN PROFILE
REVISION $\Delta$	KELLER LATERAL MOVED TO SHEET 12.	2/11/02	ESS	9-17-01	HORIZ. 1"=20' HORIZ. 1"=20'
REVISION $\Delta$	ASBUILT	9-9-02	TDR	9-17-01	VERT. 1"=5'
APPROVED BY					

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "C" STA. 0+00 TO STA. 3+00



- CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 2 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 3 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 4 REMOVE AND REPLACE 20 LF CONCRETE CURB AND GUTTER AT EXISTING JOINTS. (202 / 609).
  - 5 REMOVE AND REPLACE EXISTING R.R. TIES AS NECESSARY. (INCIDENTAL TO WORK)
  - 6 REPLACE GRAVEL LANDSCAPE MATERIAL TO MATCH EXISTING. (304).
  - 7 TURN WYE DOWN. 4" INVERT ELEVATION 55.30.
  - 8 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 9 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 10 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 11 REMOVE AND REPLACE 20 LF CONC. GUTTER AT EXISTING JOINTS. UNDER BID ITEM 14. (202 / 604)



**SURVEY CONTROL**

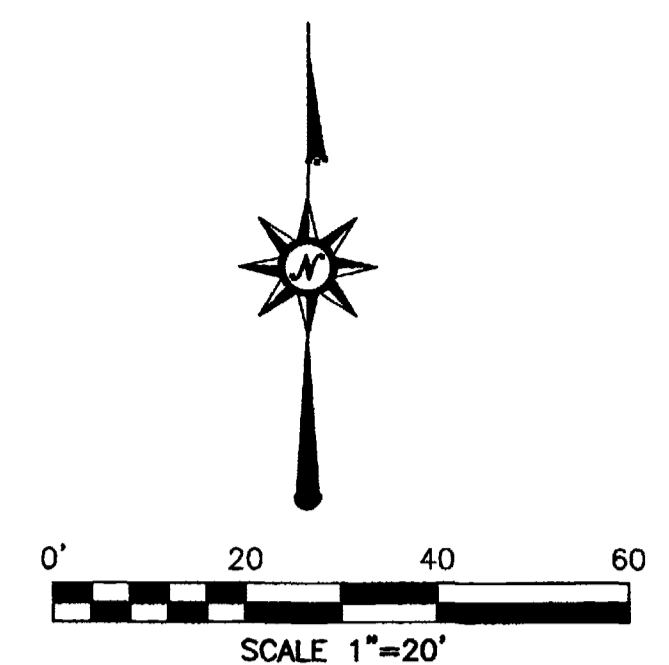
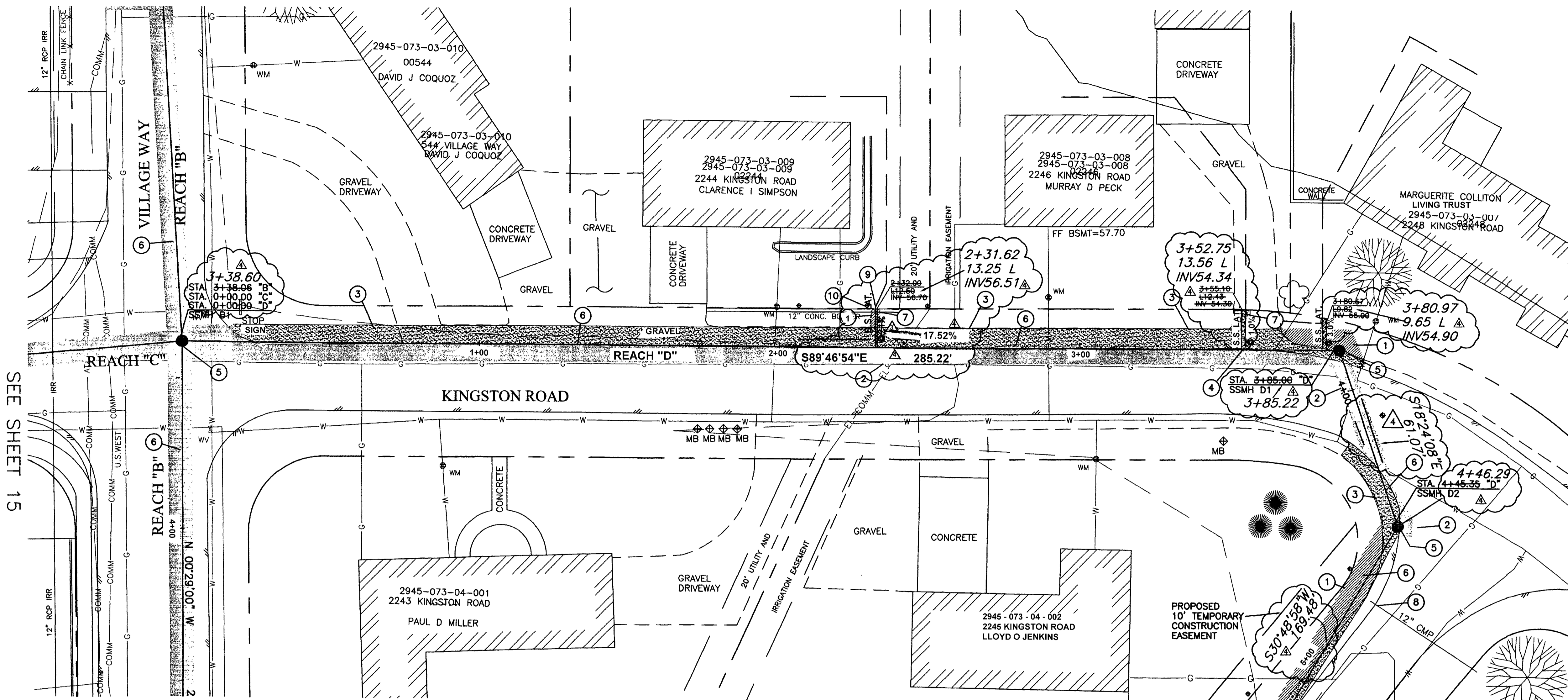
3 STATION: 5+52.36 "C"  
 OFFSET 25.06' LT.  
 PK NAIL  
 N:41757.966, E:69744.110  
 ELEVATION=4659.26

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION $\Delta$			JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
REVISION $\Delta$			ESS	9-17-01	
REVISION $\Delta$			IDR	9-17-01	
REVISION $\Delta$ ASBUILT		9-9-02			

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "C" STA. 3+00 TO STA. 5+72.57**

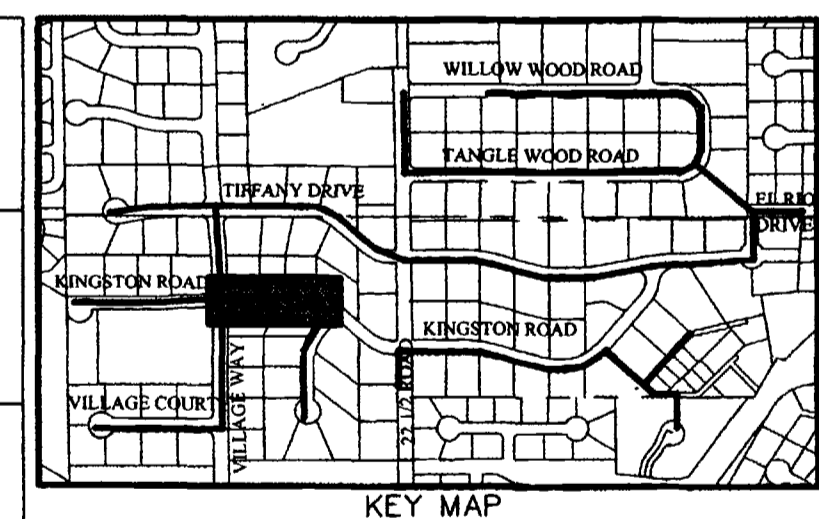
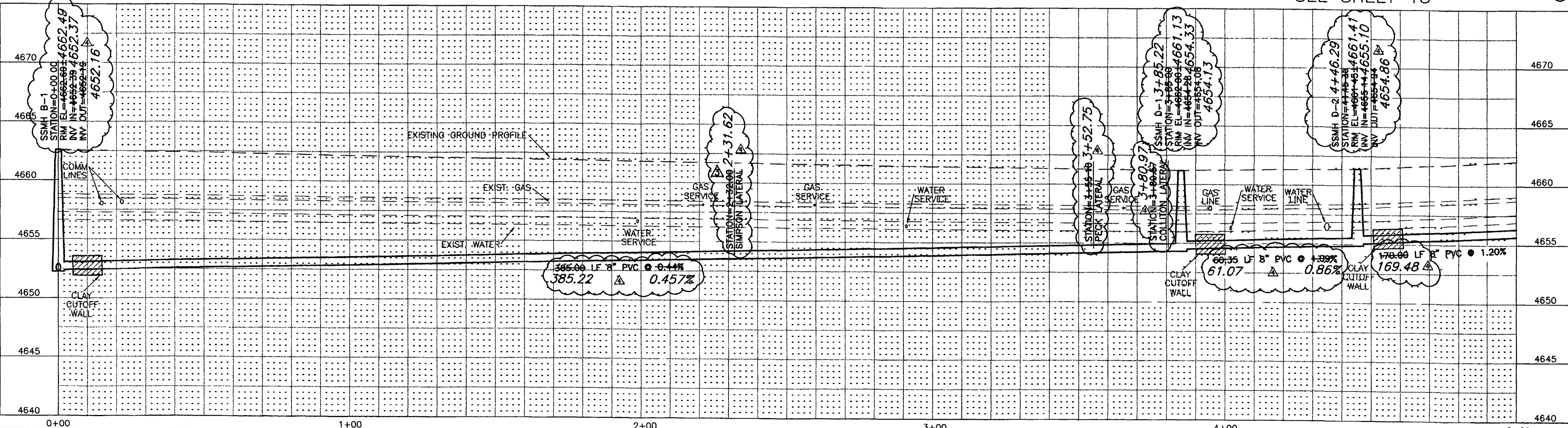


- CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 2 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 3 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - 4 TURN WYE DOWN @ 9:00 POSITION. 4" LATERAL INV 54.17.
  - 5 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 6 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 7 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 8 PROTECT 12" CMP IN PLACE.
  - 9 PROTECT 12" CMP IN PLACE.
  - 10 PROTECT 12" CONCRETE BORDER IN PLACE.

SEE SHEET 15

SEE SHEET 13

SEE SHEET 18



**SURVEY CONTROL**

4 STATION: 4+11.12 "D" OFFSET 7.18' LT. PK NAIL WITH WASHER N:41782.874, E:70695.935 ELEVATION=4661.59

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

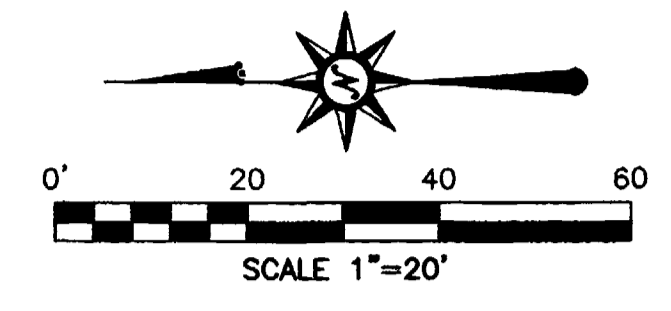
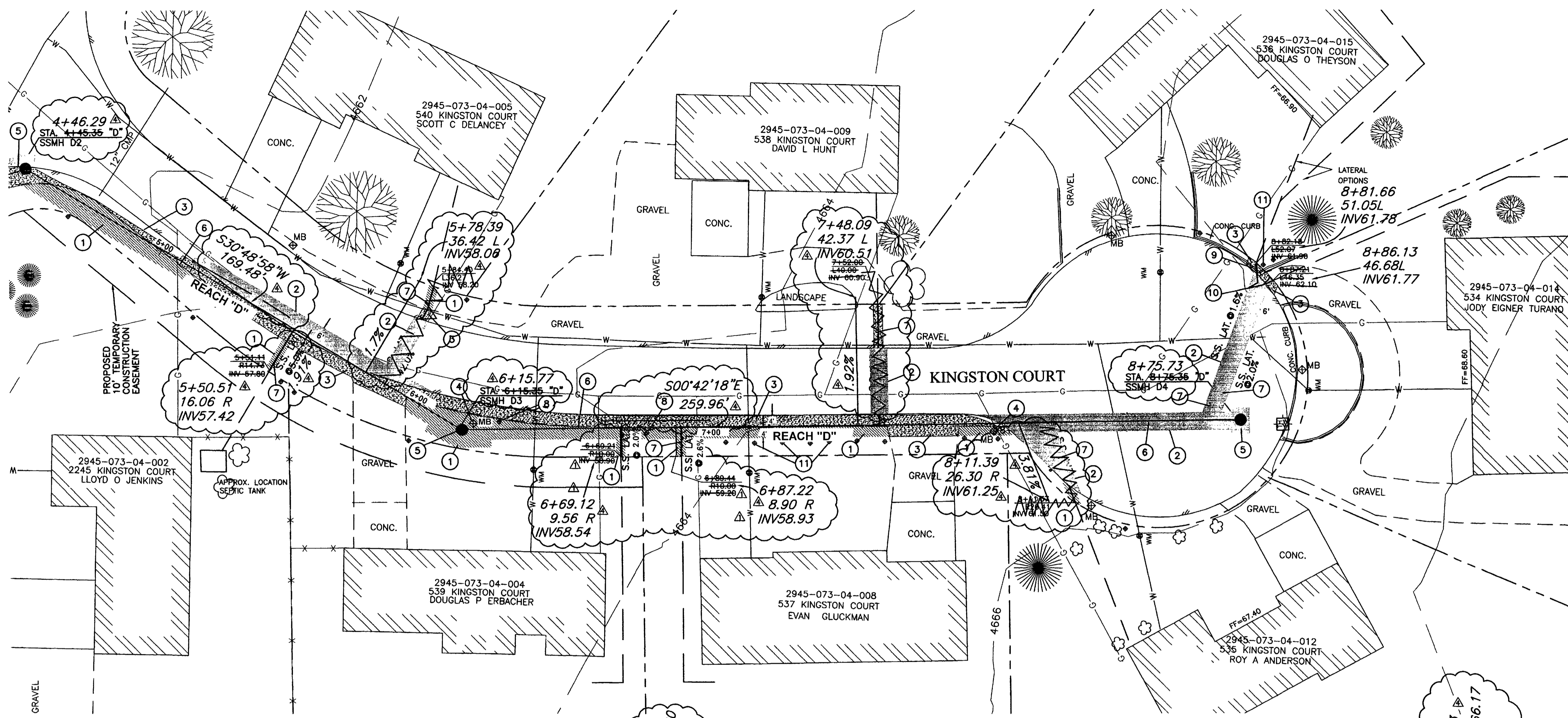
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A	SEW. LAT INFO. CHANGES FOR 2244 KINGSTON RD.	2/11/02	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=20'
REVISION B	ASBUILT	9-9-02	ESS	9-17-01	VERT. 1"=5'
REVISION C			TDR	9-17-01	
REVISION D					

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

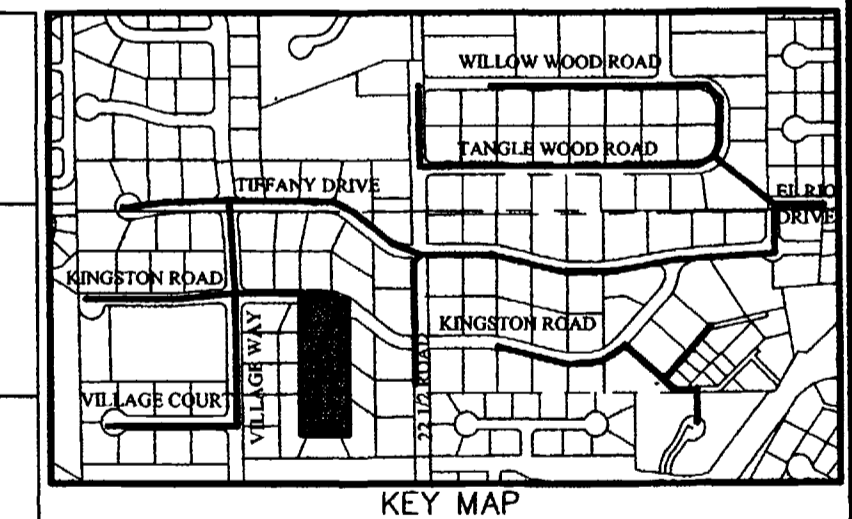
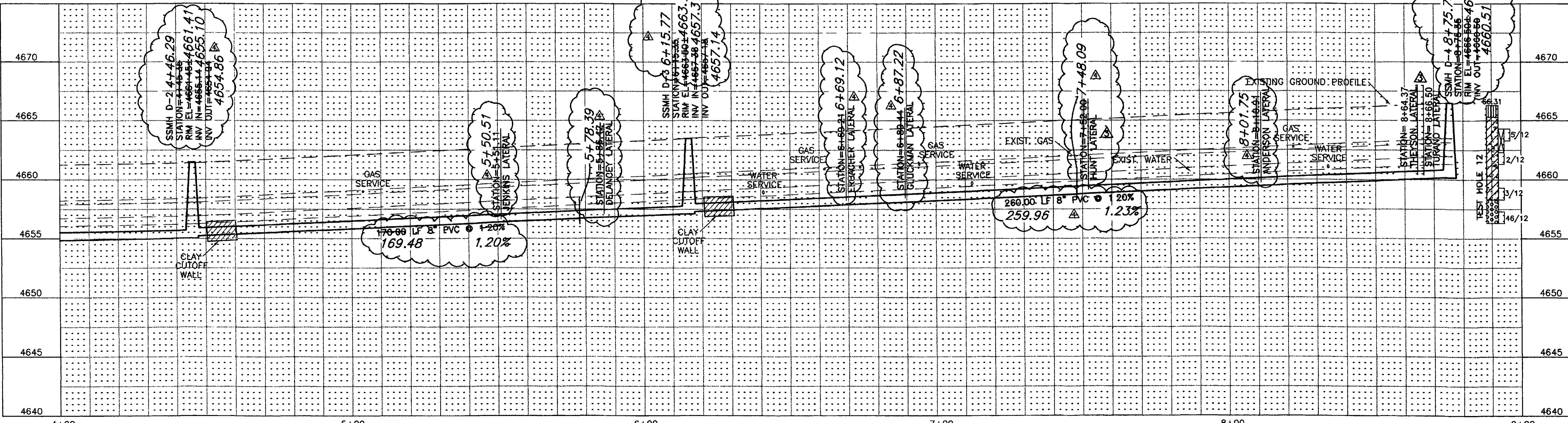
**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "D" STA.0+00 TO STA.5+00**



SEE SHEET 17



- CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 2 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 3 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - 4 RESET MAIL BOX.
  - 5 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 6 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 7 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 8 RESET SPRINKLER HEAD AND ASSOCIATED IRRIGATION LINE AS AFFECTED.
  - 9 REMOVE AND REPLACE 7 LF CONCRETE LANDSCAPE CURB.
  - 10 INSTALL 4" BENDS AS NECESSARY.
  - 11 PROTECT SPRINKLER HEAD.



**SURVEY CONTROL**  
 4 STATION: 4+11.12 "D"  
 OFFSET 7.18' LT.  
 PK NAIL WITH WASHER  
 N:41782.874, E:70695.935  
 ELEVATION=4661.59

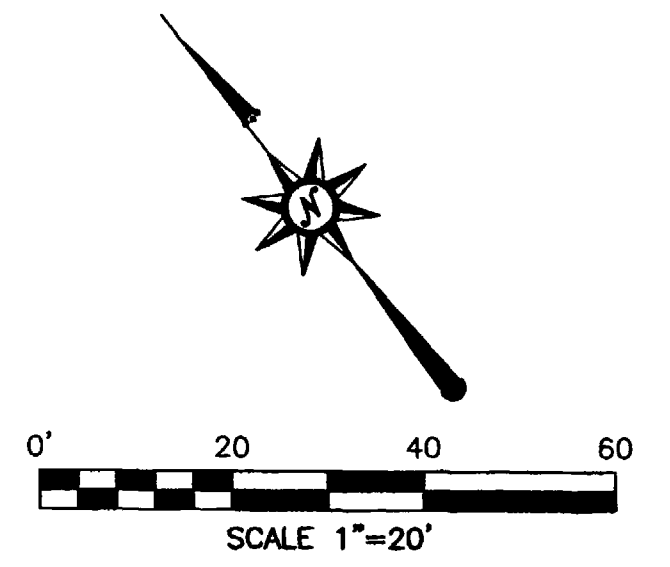
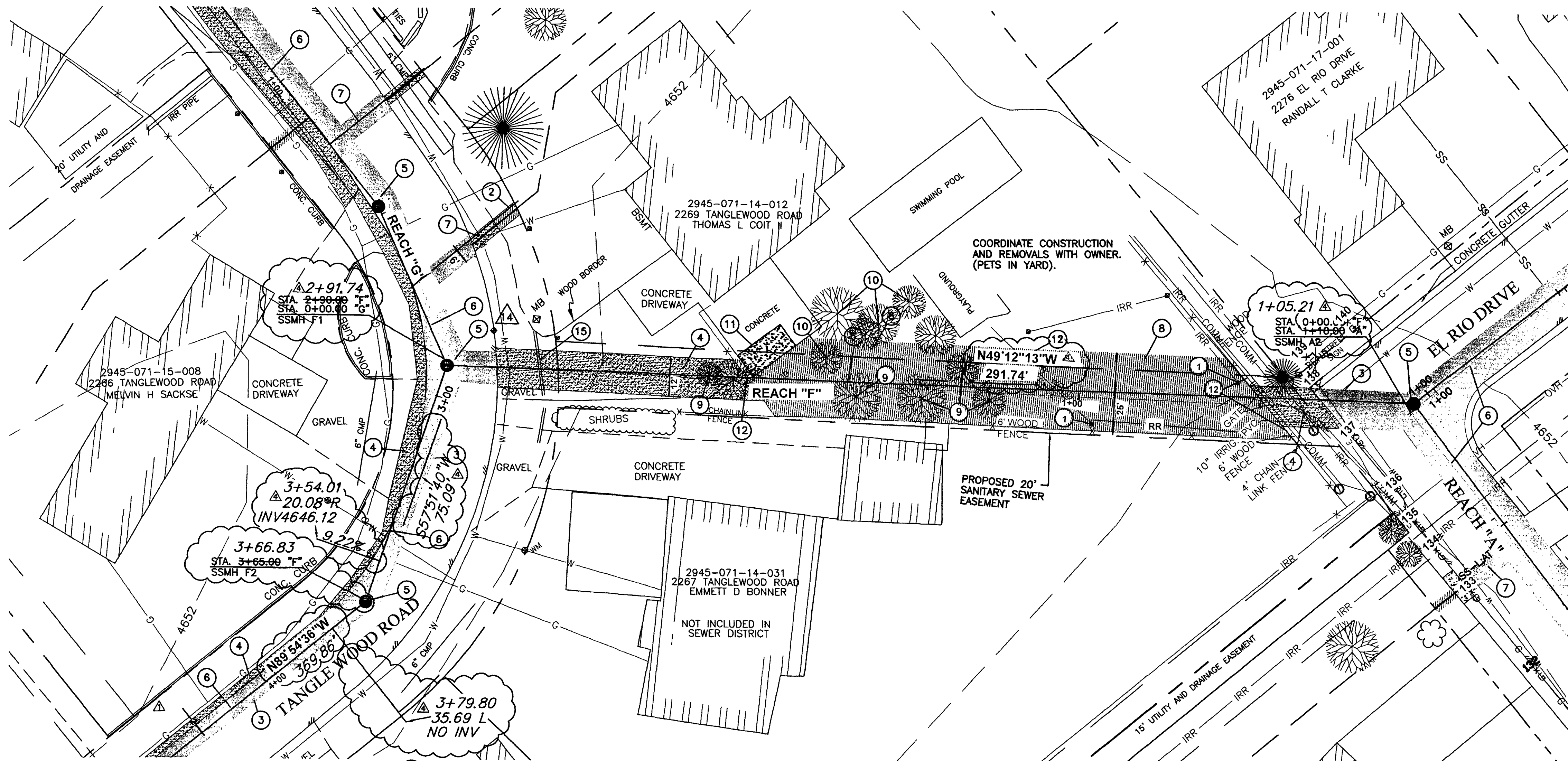
CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
1	SS LAT INVERT FOR 537 AND 539 KINGSTON CT	10-22-01	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=20'
2	CHANGES TO SEWER LATERALS IN PROFILE	2-11-02	ESS	9-17-01	VERT. 1"=5'
3	ASBUILT	9-9-02	TDR	9-17-01	

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "D" STA. 5+00 TO STA. 8+75.35

SEE SHEET 23

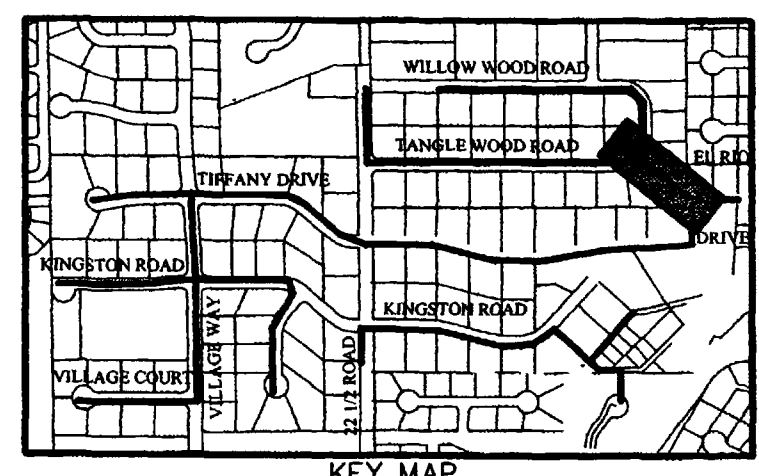
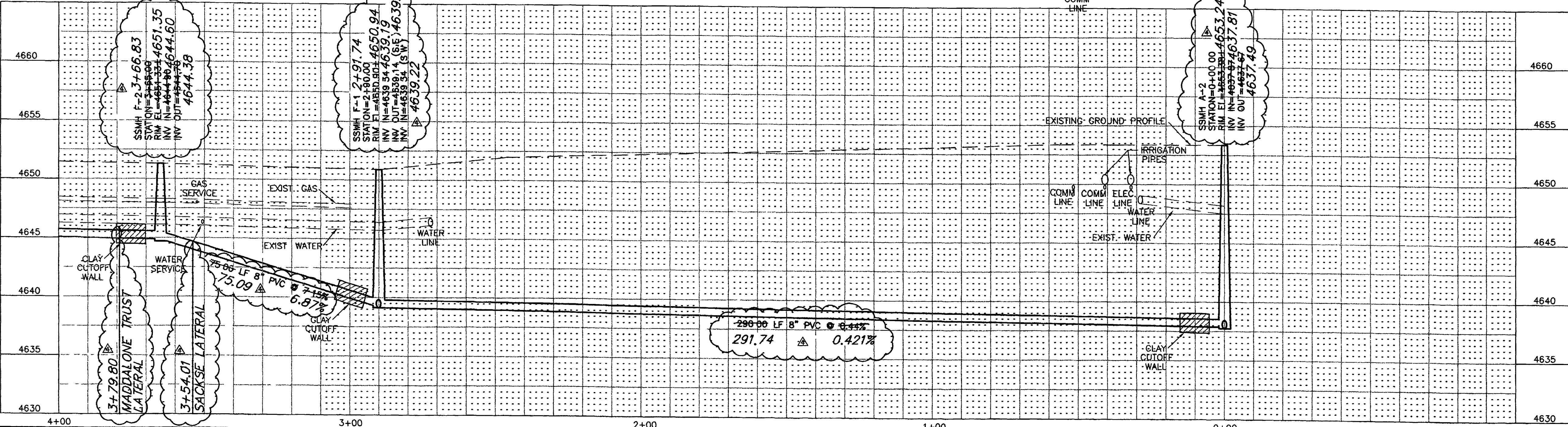


**CONSTRUCTION NOTES:**

- 1 RESET SPRINKLER HEADS.
- 2 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
- 3 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
- 4 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
- 5 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
- 6 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
- 7 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
- 8 LIMITS OF SOD REMOVAL ARE AS SHOWN ON THIS PLAN SHEET. THE CONTRACTOR SHALL CUT AND ROLL THE EXISTING SOD TO THE LIMITS SHOWN. SOD WILL THEN BE STORED ON SITE FOR NOT MORE THAN (4) FOUR DAYS, AND RELAYED TO THE ORIGINAL CONTOUR AND GRADE. ( 212).
- 9 REMOVE AND DISPOSE OF EXISTING TREES AS SHOWN.
- 10 PROTECT EXISTING TREES IN PLACE.
- 11 REMOVE AND REPLACE 15 S.Y. CONCRETE PATIO.
- 12 REMOVE AND REPLACE 30 LF WOOD FENCE. USE EXISTING MATERIAL IF NOT DAMAGED.
- 13 REMOVE AND REPLACE 20 LF WOOD FENCE. USE EXISTING MATERIAL IF NOT DAMAGED.
- 14 PROTECT CONCRETE CURB IN PLACE.
- 15 POSSIBLE BURIED CULVERT. REPLACE IF DAMAGED INCIDENTAL TO WORK.

SEE SHEET 5

SEE SHEET 20



**SURVEY CONTROL**

14 STATION: 2+77.21 "F"  
 OFFSET: 11.25' RT.  
 PK NAIL WITH WASHER  
 N=42332.944, E=72169.647  
 ELEVATION=4650.80

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO

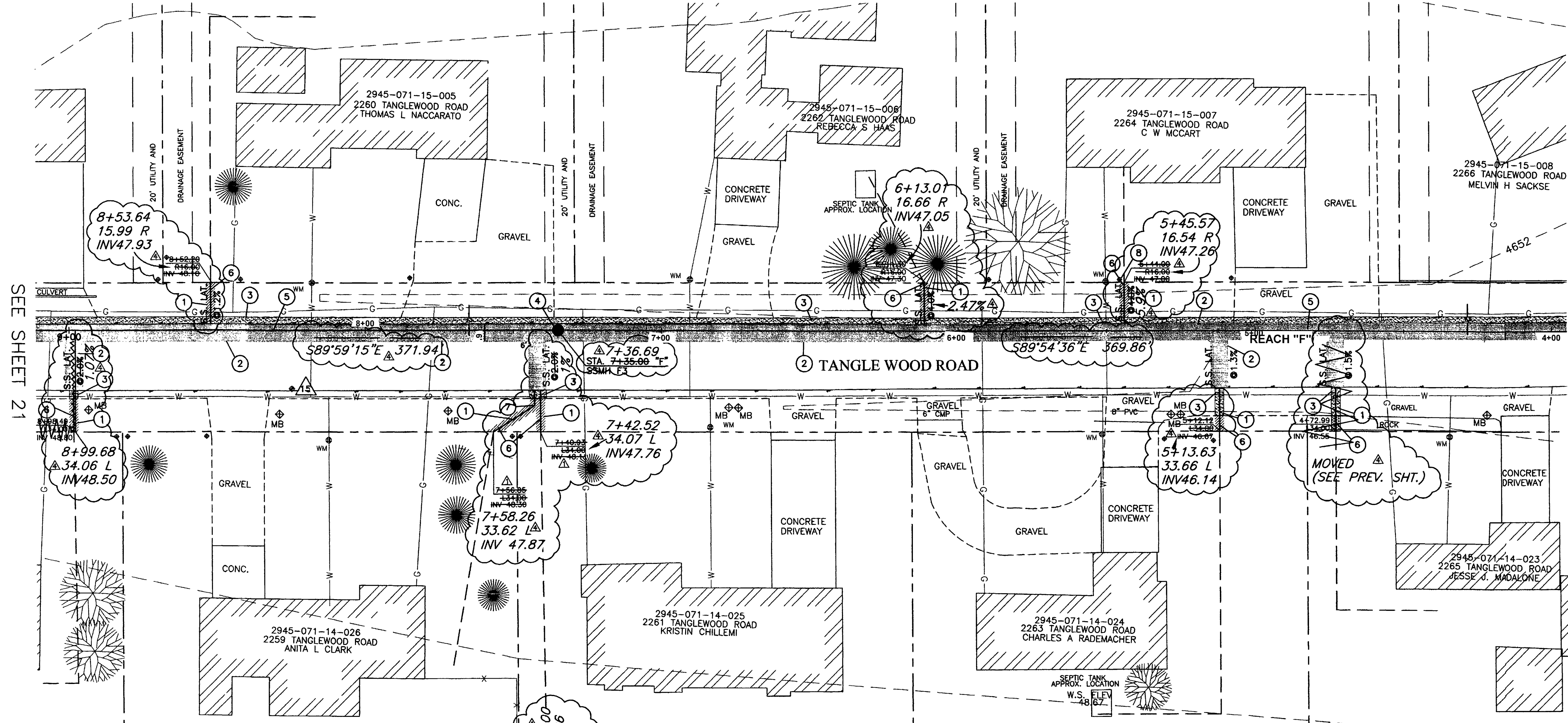
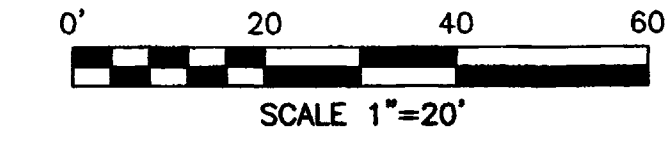
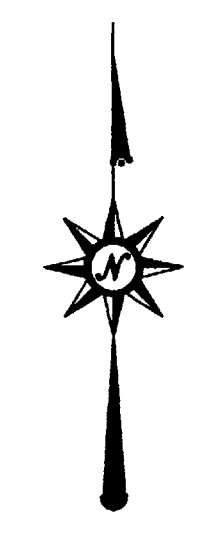
**1-800-922-1987**

CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

REVISION	DATE	DRAWN BY	DATE	SCALE
REVISION $\Delta$ NEW LOCATION OF SS LAT FOR 2266 TANGLEWOOD RD	10-22-01	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=20'
REVISION $\Delta$ ASBUILT	9-9-02	ESS	9-17-01	VERT. 1"=5'
		TDR	9-17-01	

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

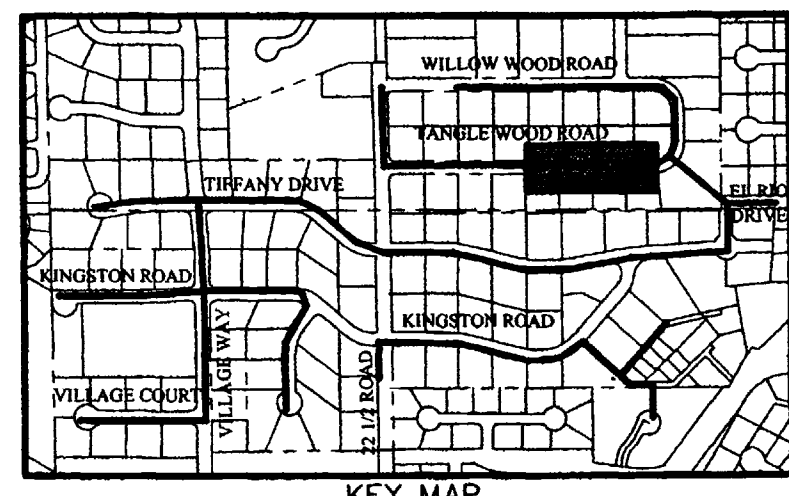
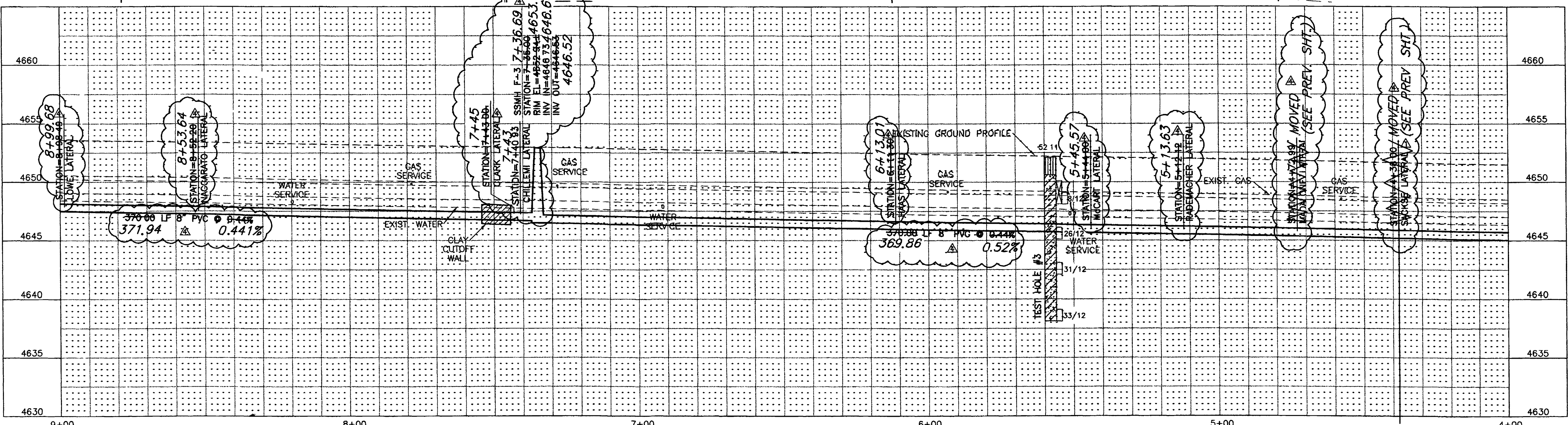
**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "F" STA.0+00 TO STA.4+00**



SEE SHEET 19

SEE SHEET 21

- CONSTRUCTION NOTES:**
- 1 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 2 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 3 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 4 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 5 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 6 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 7 INSTALL 4" PVC 45° BEND.
  - 8 PROTECT SPRINKLER HEAD IN PLACE.
  - 9 PROTECT CONCRETE CURB IN PLACE.



**SURVEY CONTROL**

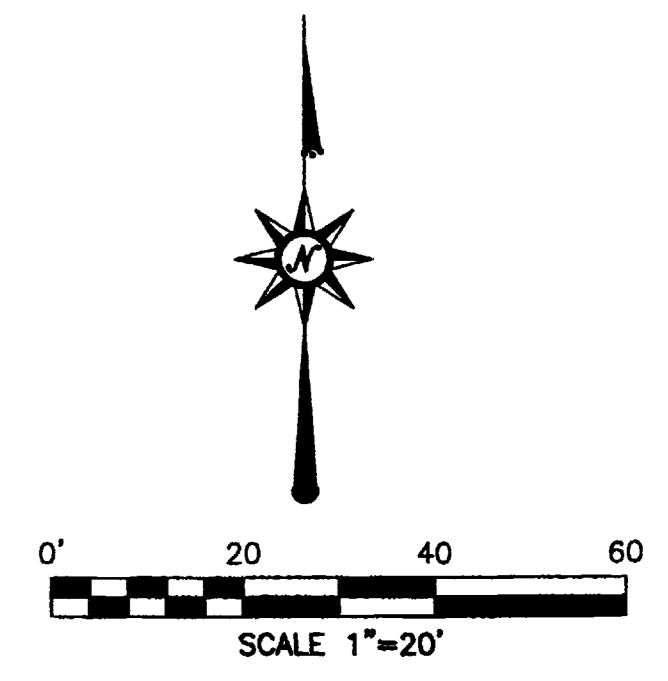
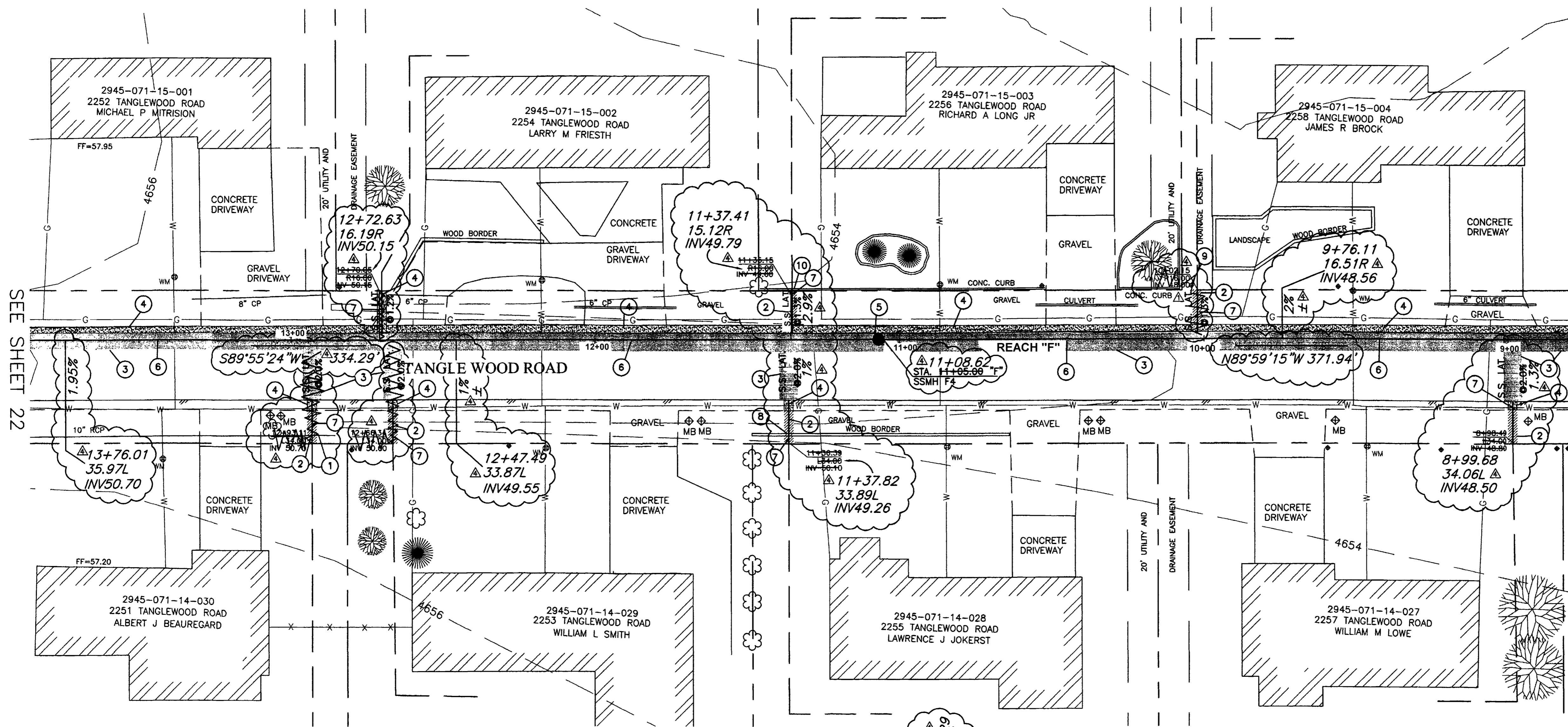
15 STATION: 8+24.86 "F"  
 OFFSET 19.59' LT.  
 PK NAIL WITH WASHER  
 N:42274.597, E:71628.545  
 ELEVATION=4653.24

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

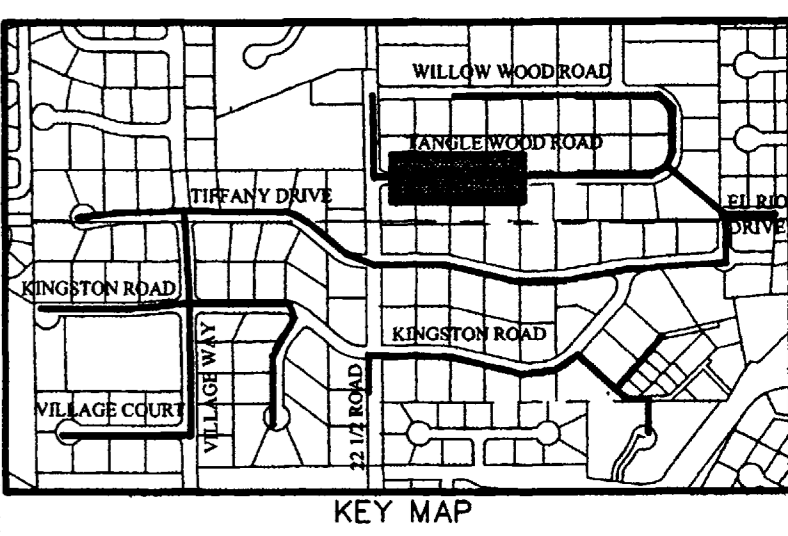
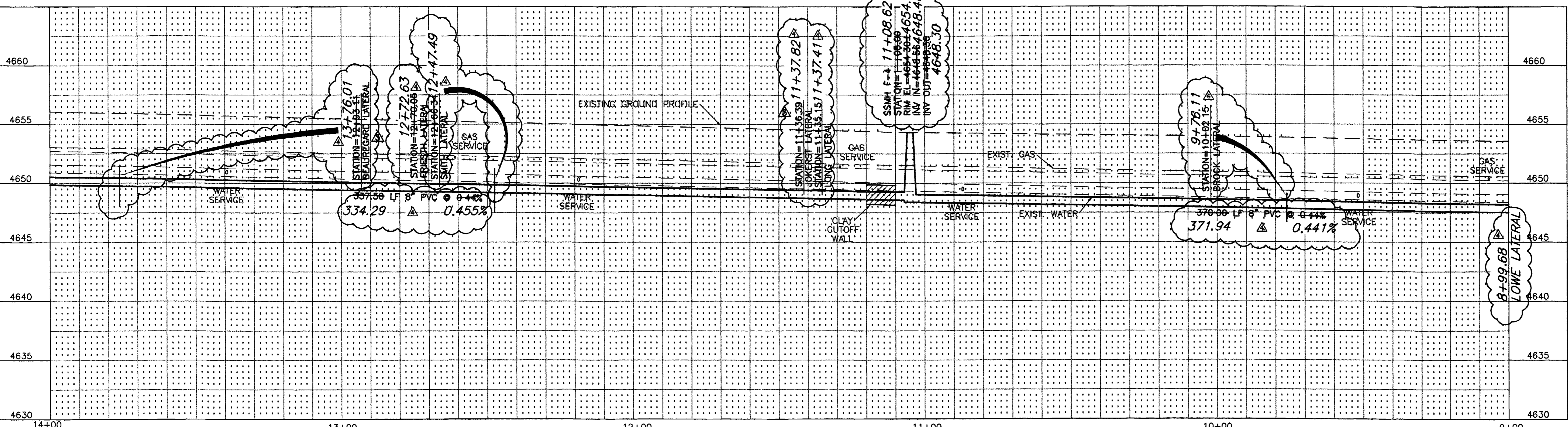
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
1	SS LAT INVERT FOR 2259 AND 2261 TANGLEWOOD RD	10-22-01	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=20'
2	LOCATION OF SS LAT FOR 2266 TANGLEWOOD RD		ESS	9-17-01	HORIZ. 1"=20' VERT. 1"=5'
3			TDR	9-17-01	
4	ASBUILT	9-9-02			

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "F" STA.4+00 TO STA.9+00



- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE 12 LF 10" CONCRETE PIPE.
  - ② REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ③ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ④ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - ⑤ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑥ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑦ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - ⑧ MOVE AND REPLACE WOOD BORDER (INCIDENTAL TO WORK).
  - ⑨ PROTECT CONCRETE CURB IN PLACE.
  - ⑩ PROTECT SPRINKLER HEAD IN PLACE.



CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

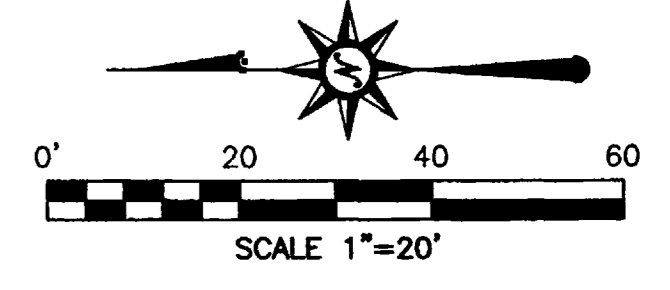
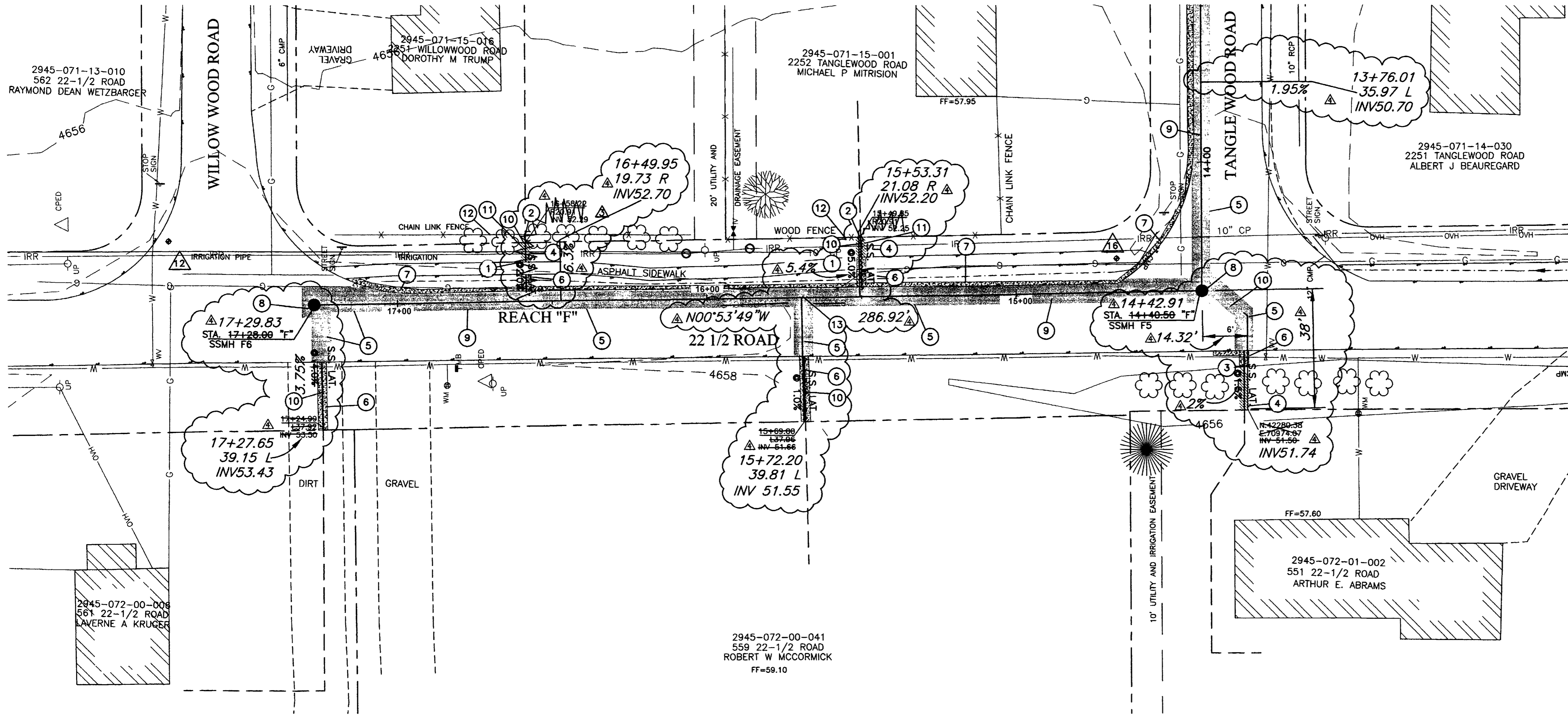
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
△	SS LAT INVERT FOR 2258 TANGLEWOOD RD	10-22-01	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
△	CORRECTION OF SEW LAT STATION & OWNERS NAME	2-11-02	ESS	9-17-01	
△	ASBUILT	9-9-02	TDR	9-17-01	
	APPROVED BY				

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

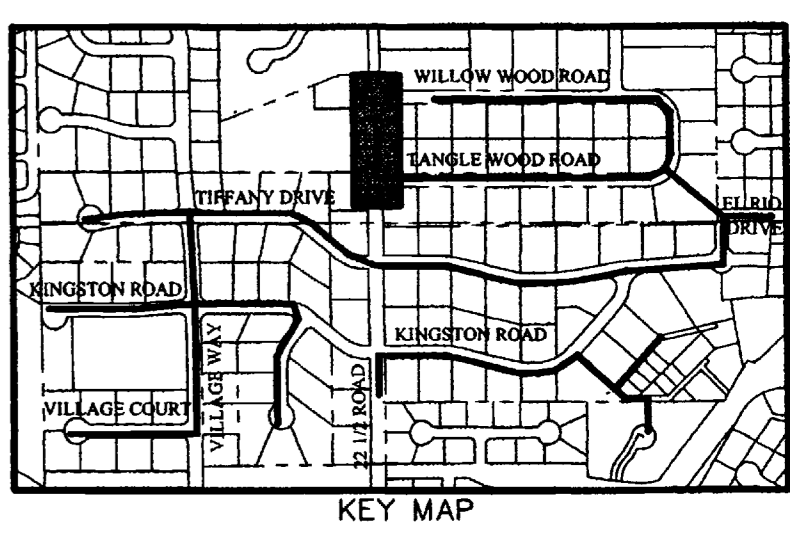
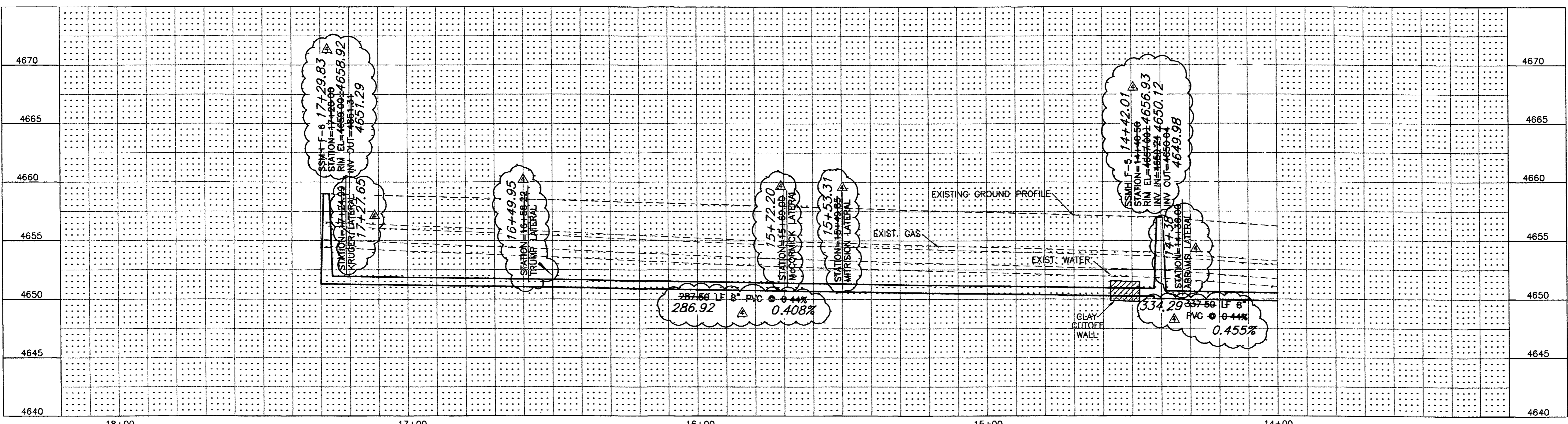
**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "F" STA.9+00 TO STA.14+00**

SEE SHEET 25

SEE SHEET 21



- CONSTRUCTION NOTES:**
- 1 REMOVE AND REPLACE ASPHALT SIDEWALK AS NECESSARY CUT EXISTING ASPHALT WITH A CLEAN STRAIGHT CUT TO BE PAID AS ITEM NO. 11.
  - 2 ADJUST SEWER LATERAL LOCATION IF NECESSARY TO CENTER BETWEEN FENCE POSTS.
  - 3 ADJUST SEWER LATERAL LOCATION IF NECESSARY TO CENTER BETWEEN EXISTING BUSHES.
  - 4 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 5 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 6 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 7 CONSTRUCT GRAVEL SHOULDER TREATMENT. (304).
  - 8 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - 9 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 10 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - 11 VERIFY ELEVATION OF IRRIGATION PIPE BEFORE CONSTRUCTION. CONTACT ENGINEER IF CONFLICTS ARISE.
  - 12 PROTECT FENCE IN PLACE.
  - 13 TURN WYE DOWN. 4" LATERAL INVERT 51.28.



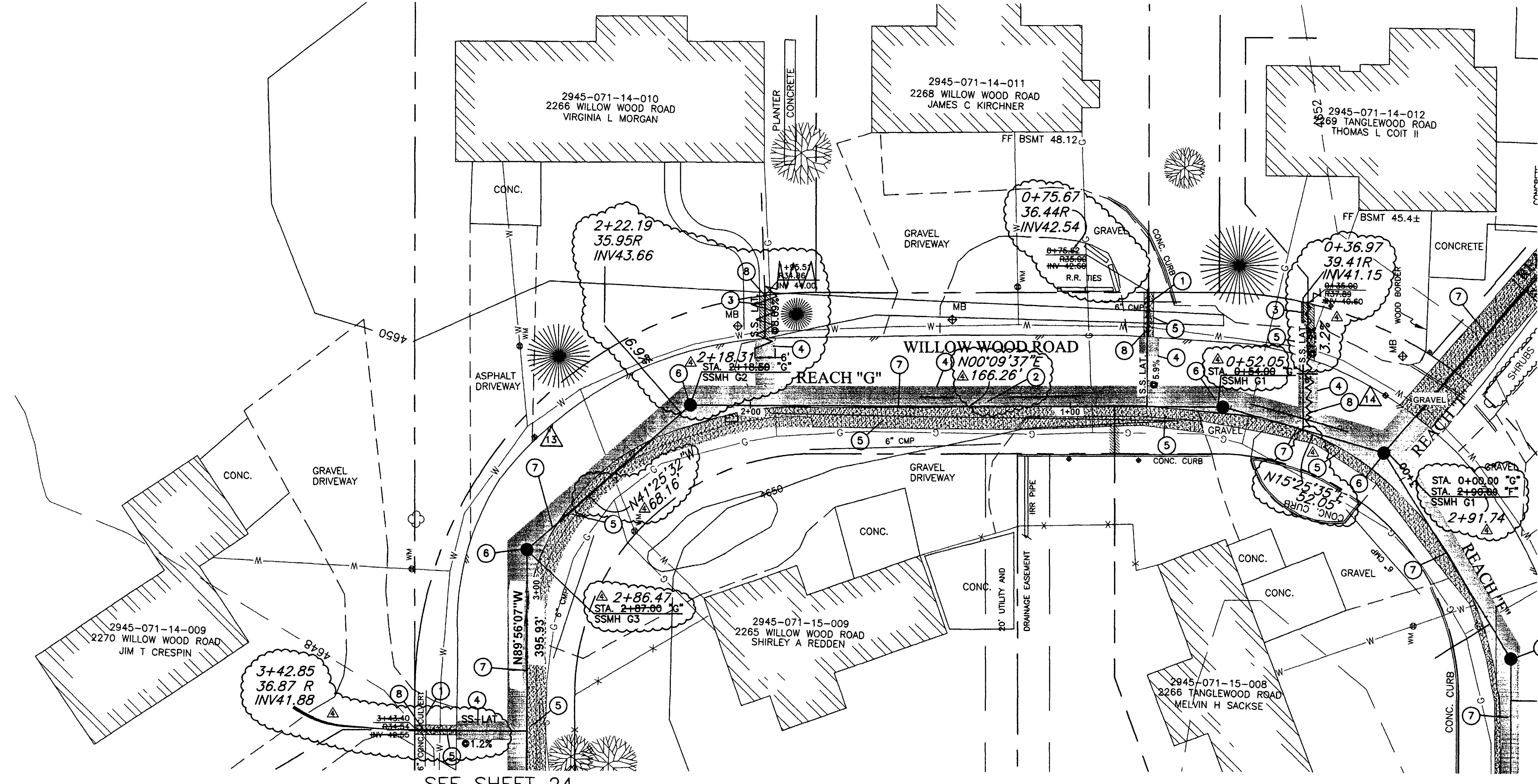
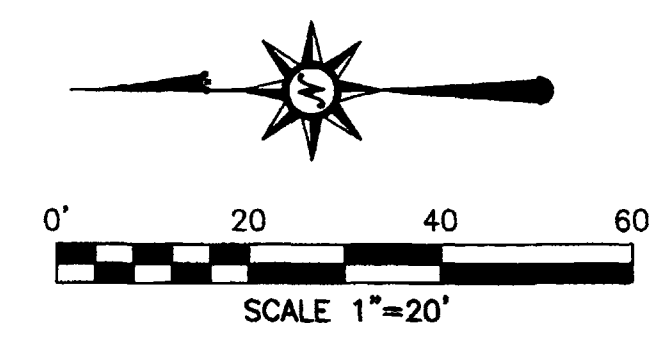
- SURVEY CONTROL**
- 16 STATION: 314+69.39 "F" OFFSET 12.32' RT. PK NAIL WITH WASHER N:42321.295, E:71022.740 ELEVATION=4656.56
  - 12 STATION: 17+75.60 "F" OFFSET 23.35 RT. PK NAIL WITH WASHER N:42627.652, E:71028.220 ELEVATION=4658.49

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION			JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
REVISION			ESS	9-17-01	
REVISION	CHANGE SEW LAT ELEV. & ADD NOTE 13	2/11/02	IDR	9-17-01	
REVISION	ASBUILT	9-9-02			

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

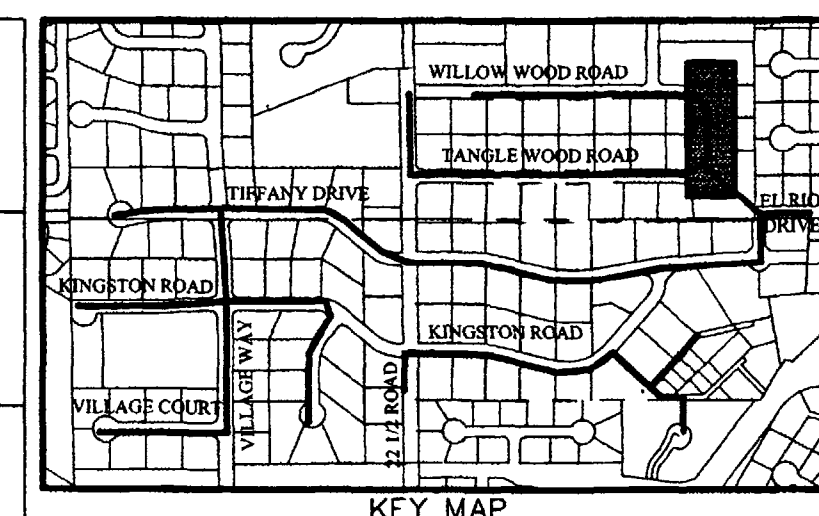
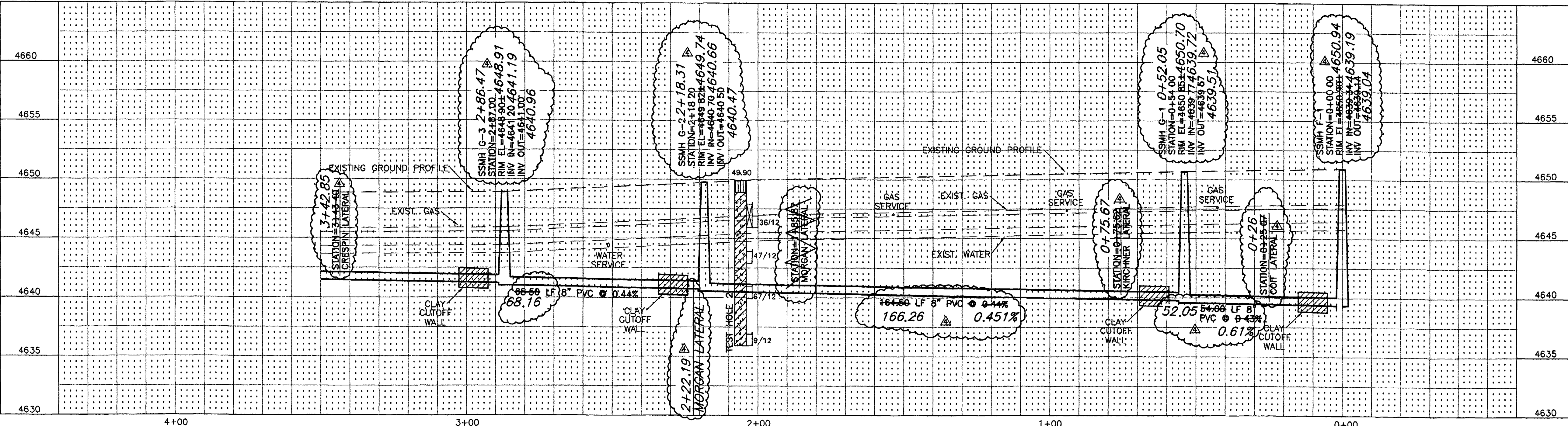
**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "F" STA.14+00 TO STA. 17+30**



SEE SHEET 19

- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE 10 LF 6" CMP (TWO LOCATIONS).
  - ② REMOVE AND REPLACE IRRIGATION RISER.
  - ③ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ④ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑤ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - ⑥ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑦ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑧ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).

SEE SHEET 24



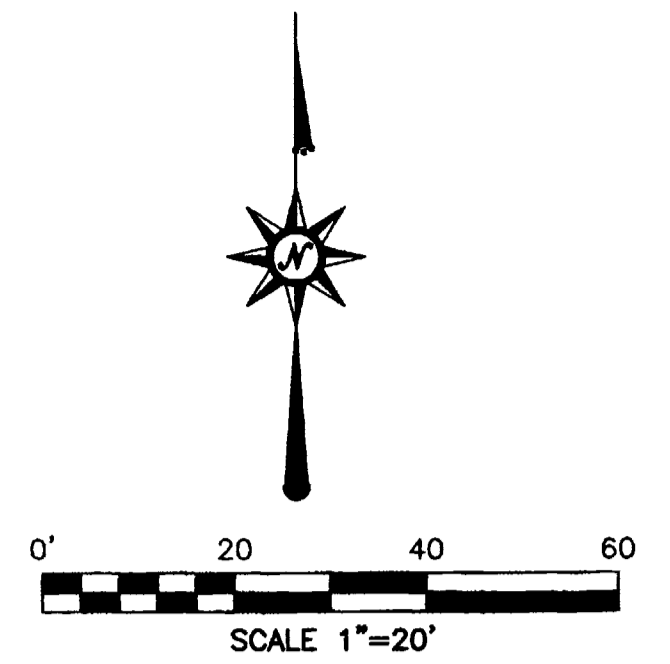
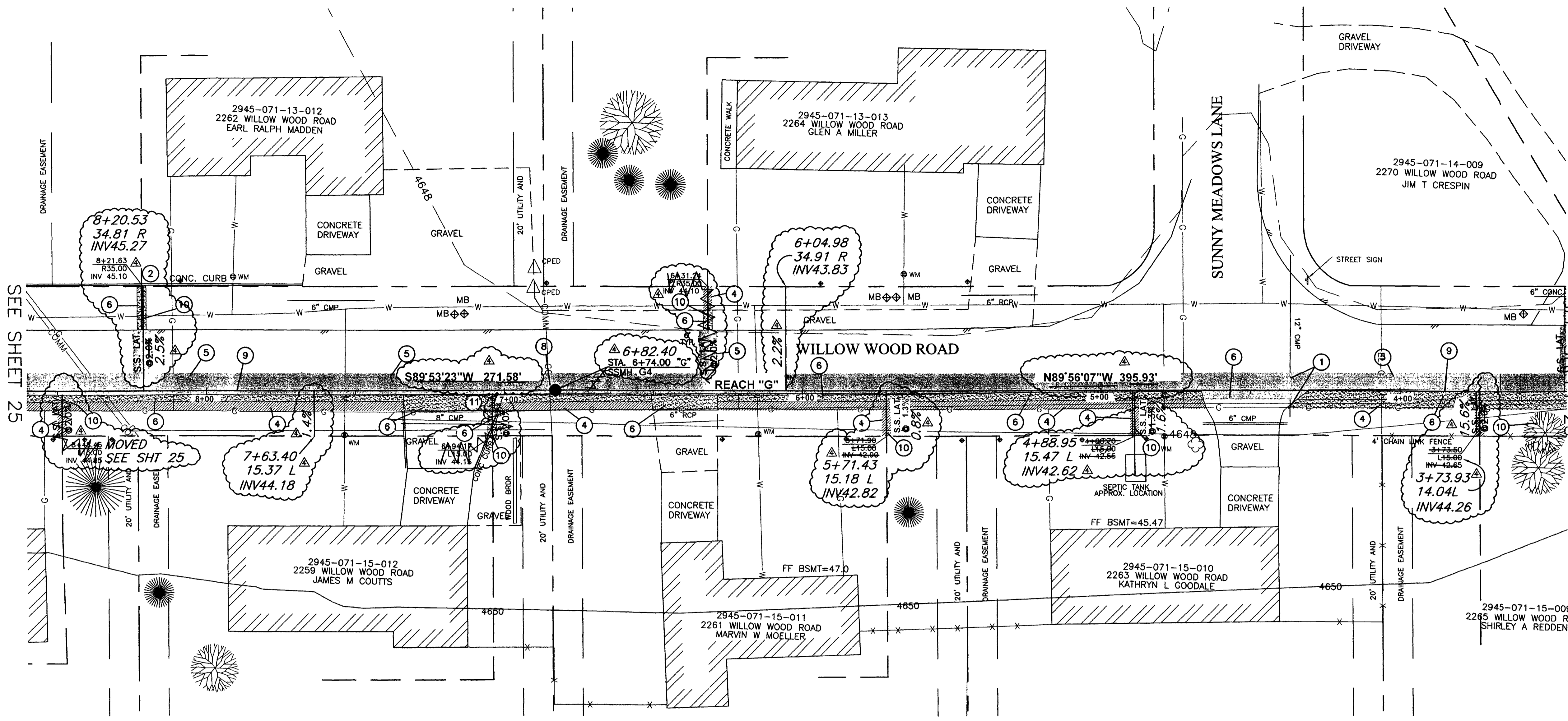
- SURVEY CONTROL**
- ⑬ STATION: 2+62.01 "G"  
OFFSET 24.57' RT.  
PK NAIL WITH WASHER  
N:42598.5930, E:72156.116  
ELEVATION=4649.16
  - ⑭ STATION: 0+04.33 "G"  
OFFSET 16.48' RT.  
PK NAIL WITH WASHER  
N:42332.944, E:72169.647  
ELEVATION=4650.80

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

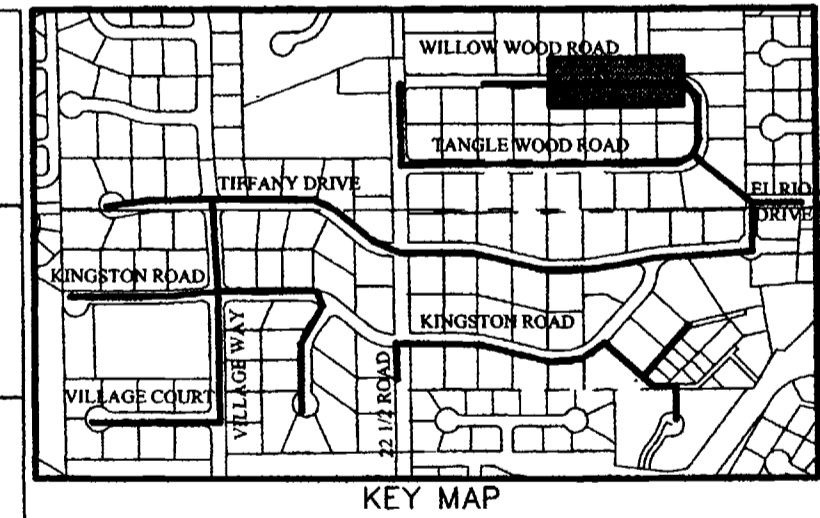
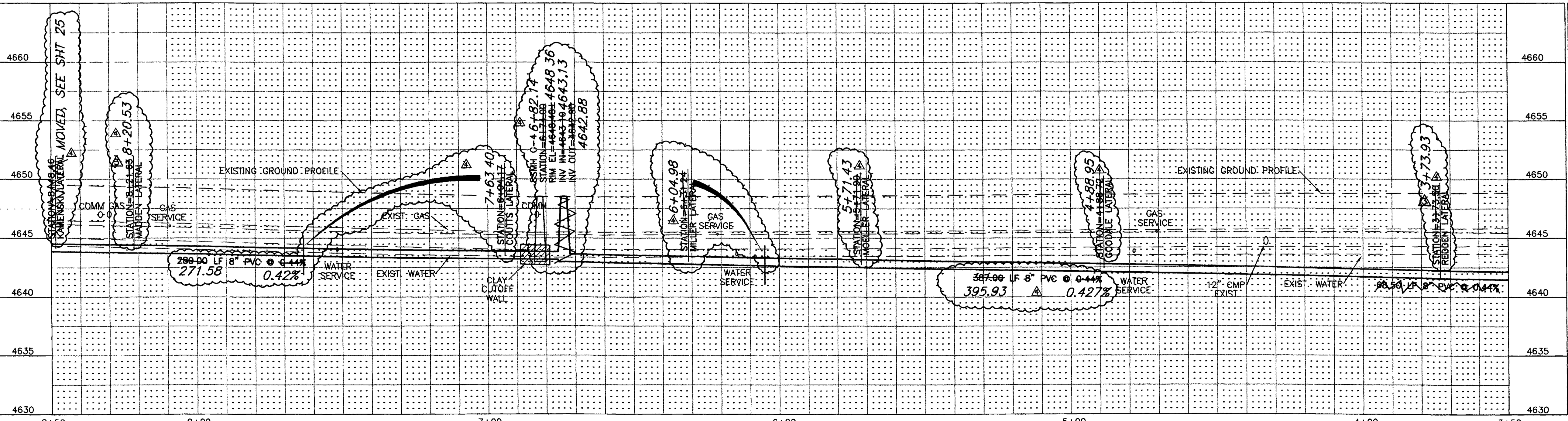
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A	REMOVE SS LAT INVERT FOR 2266 TANGLEWOOD RD	10-22-01	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
REVISION B			ESS	9-17-01	
REVISION C			TDR	9-17-01	
REVISION D	ASBUILT	9-9-02			

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
SANITARY SEWER PLAN & PROFILE  
REACH "G" STA. 0+00 TO STA. 3+50



- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE 14 LF 12" CMP. MATCH EXISTING INVERTS.
  - ② PROTECT CONCRETE CURB IN PLACE.
  - ③ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ④ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑤ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304)
  - ⑥ TURN WYE DOWN. 4" LATERAL INV 42.70.
  - ⑦ TURN WYE DOWN. 4" LATERAL INV 42.35.
  - ⑧ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑨ CONSTRUCT 8", SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑩ CONSTRUCT 4", SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - ⑪ REMOVE AND REPLACE 10 LF OF LANDSCAPE CURB.

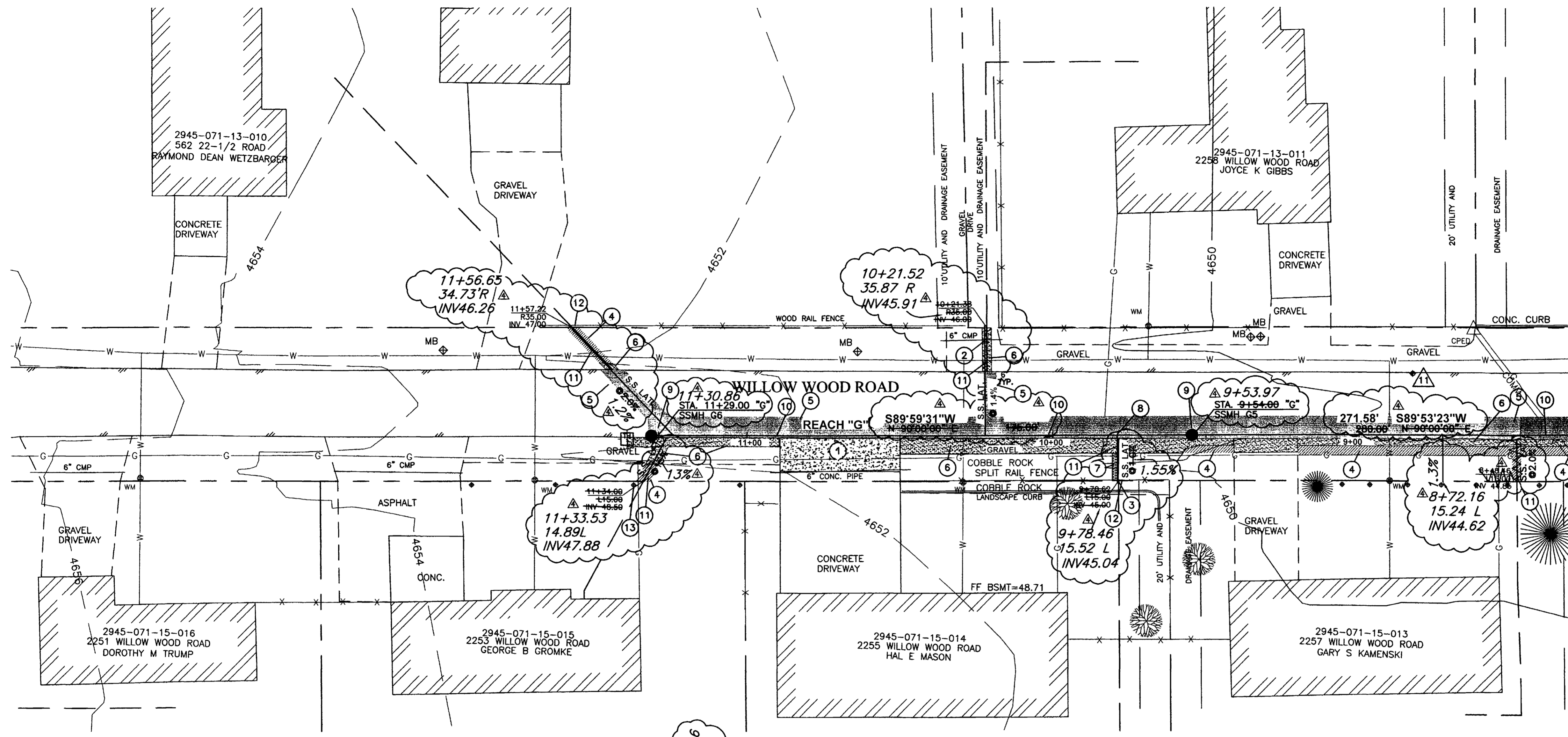
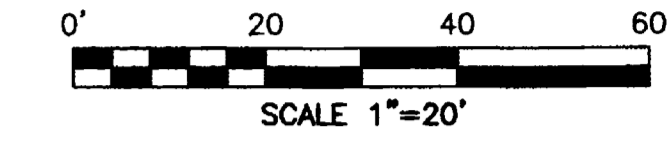


CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△	SEW LAT INFO FOR 2262 & 2265 WILLOW WOOD RD	2/11/02	JLG	9-17-01
△	ASBUILT	9-9-02	ESS	9-17-01
			TDR	9-17-01

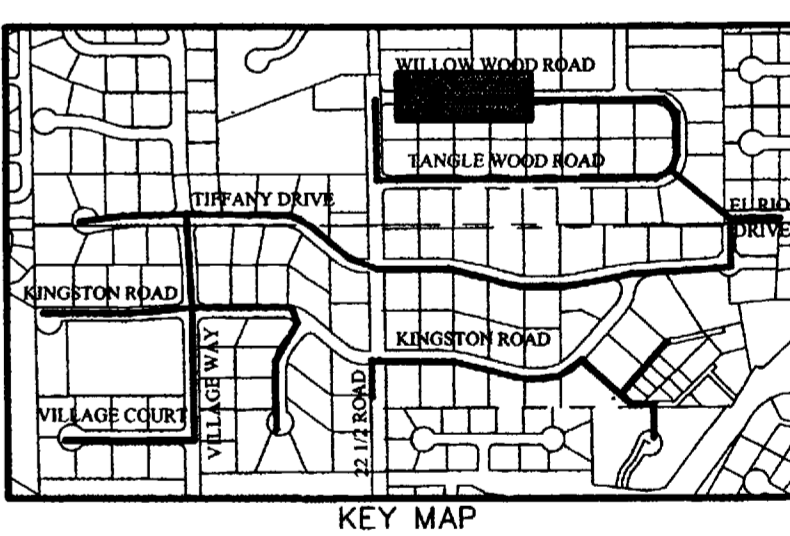
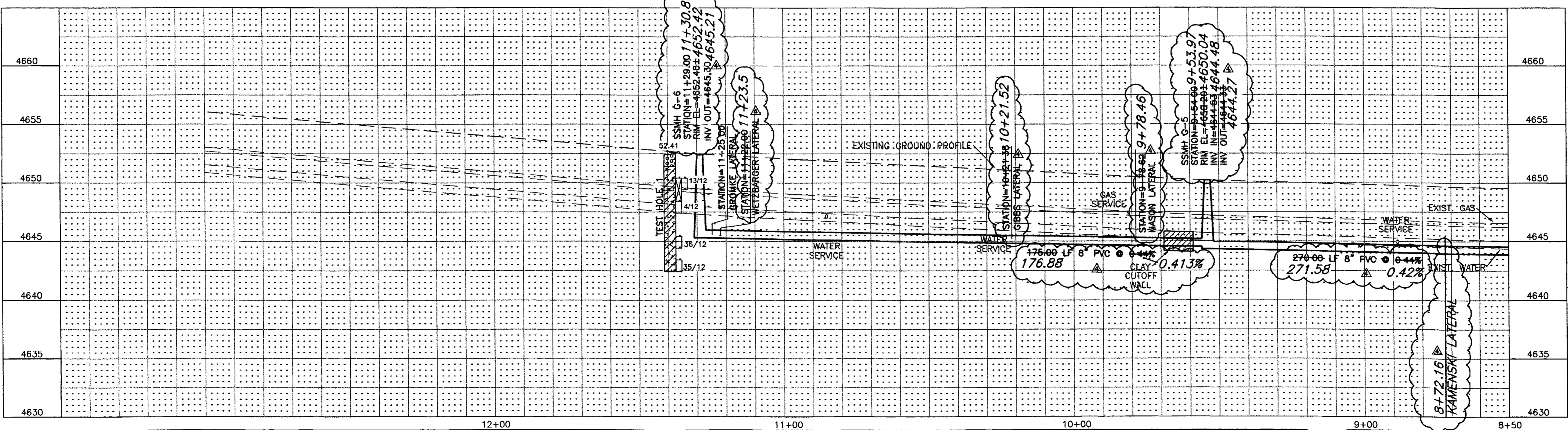
DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
SANITARY SEWER PLAN & PROFILE  
REACH "G" STA.3+50 TO STA.8+50



- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE 48 S.Y. CONCRETE DRIVEWAY. SAW CUT AT JOINT.
  - ② REMOVE AND REPLACE 8 LF 4" PIPE. MATCH EXISTING INVERTS.
  - ③ ADJUST SEWER LATERAL LOCATION IF NECESSARY TO BE CENTERED BETWEEN FENCE POSTS.
  - ④ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ⑤ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑥ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (403)
  - ⑦ REPLACE COBBLE LANDSCAPE ROCK TO MATCH EXISTING.
  - ⑧ TURN WYE DOWN. 4" LATERAL INV 44.85
  - ⑨ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ⑩ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑪ CONSTRUCT 4", SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - ⑫ PROTECT WOOD FENCE IN PLACE, REMOVAL AND REPLACEMENT INCIDENTAL TO WORK.
  - ⑬ PROTECT SPRINKLER HEAD IN PLACE.

SEE SHEET 24



**SURVEY CONTROL**

⑪ STATION: 8+82.37 "G"  
 OFFSET 19.99' RT.  
 PK NAIL WITH WASHER  
 N:42621.174, E:71525.796  
 ELEVATION=4649.58

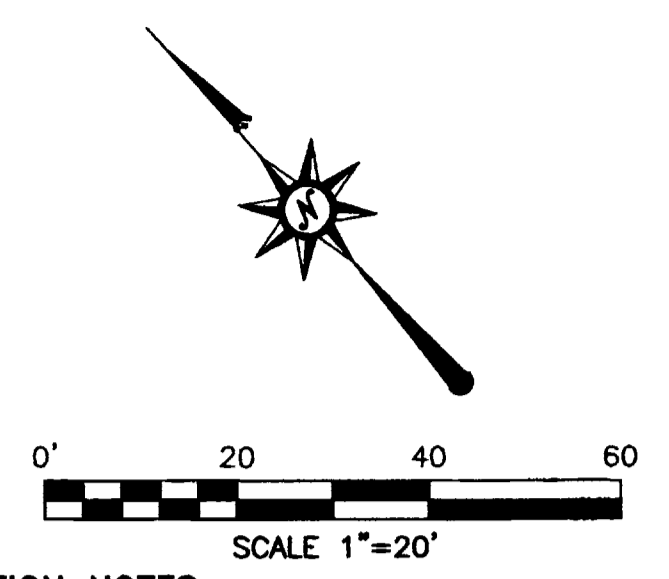
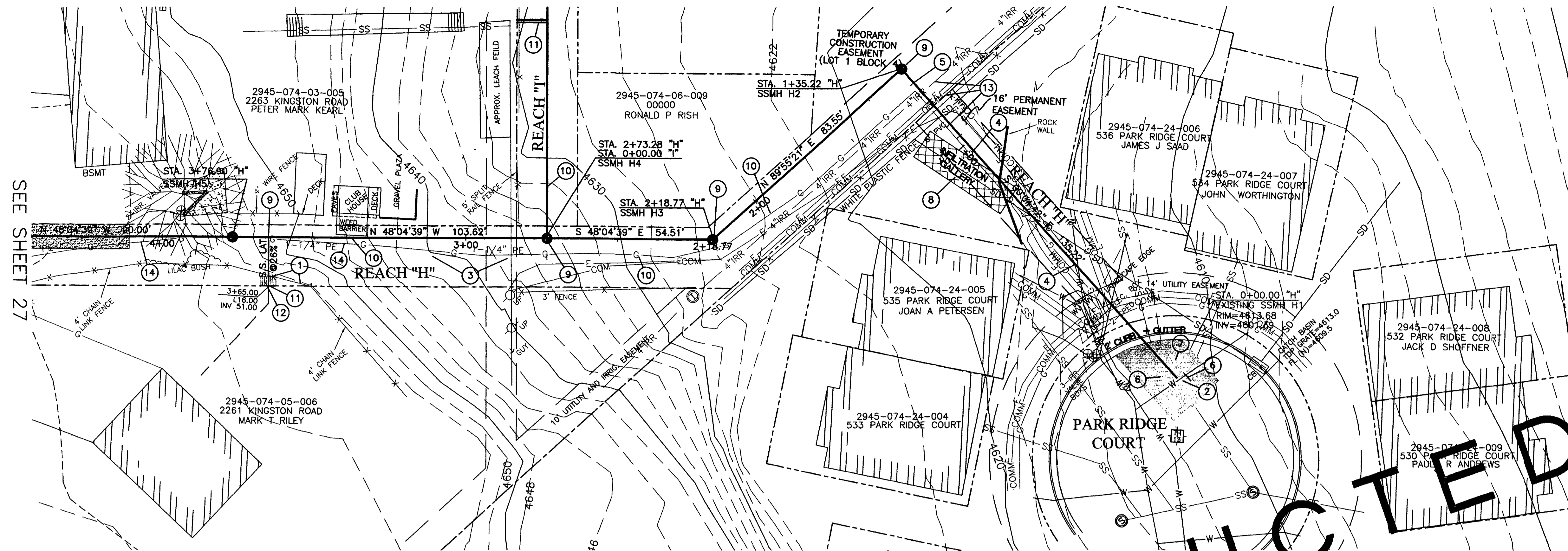
CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION $\Delta$			JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
REVISION $\Delta$			ESS	9-17-01	
REVISION $\Delta$			IDR	9-17-01	
REVISION $\Delta$	ASBUILT	9-9-02			

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO**

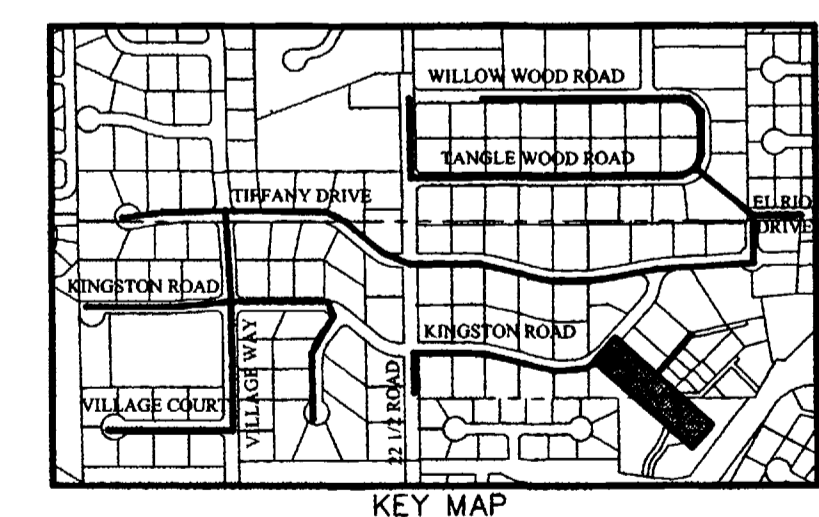
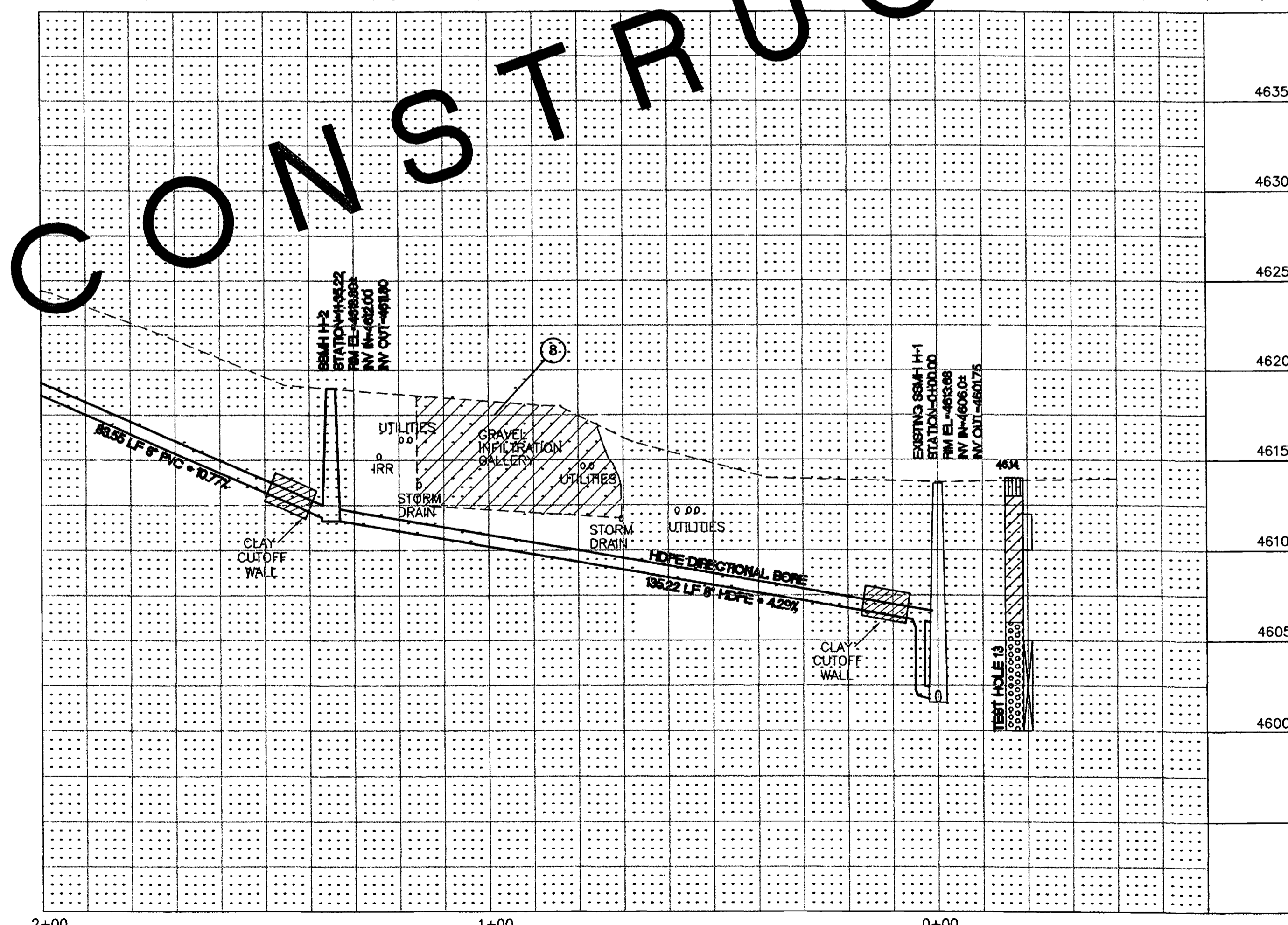
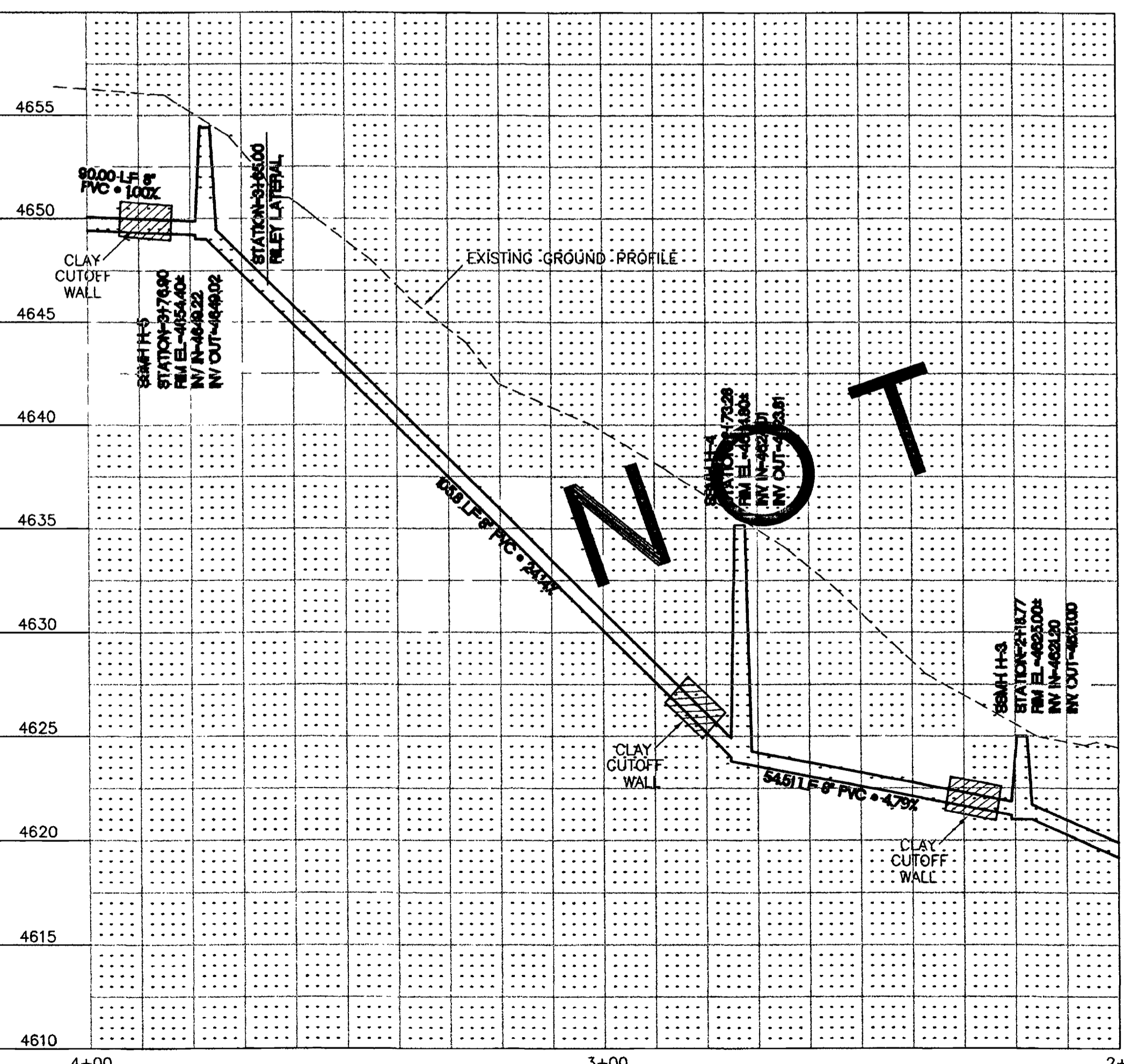
**REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "G" STA.8+50 TO STA.11+29**





**CONSTRUCTION NOTES:**

- 1 REMOVE AND REPLACE 90 LF (OR AS DIRECTED) CHAIN LINK FENCE TO MATCH PRECONSTRUCTION CONDITIONS.
- 2 TIE TO EXISTING MANHOLE INCLUDES CORING AND JACKHAMMERING OF EXISTING MANHOLE BASE, AND REGROUTING INVERT FOR NEW CONNECTION, UTILIZE PSX BOOT FOR NEW TIE IN. CONSTRUCTION OF DROP STRUCTURE (8" MAIN) INCIDENTAL TO TIE IN TO EXISTING MANHOLE.
- 3 LOCATION OF UTILITY LINES IN THIS AREA WAS OBTAINED FROM EXISTING UTILITY RECORD DRAWINGS.
- 4 THE CONTRACTOR IS REQUIRED TO INSTALL THE SEWER MAIN BETWEEN SSMH-H1 AND SSMH-H2 BY DIRECTIONAL BORING METHOD. THE PIPE SHALL BE HDPE PER SECTION 102.10C OF THE STANDARD SPEC.
- 5 INVERT GRADES OF SSMH H2 MAY BE ADJUSTED UPON THE COMPLETION OF THE BORING.
- 6 MAINTAIN EXISTING SEWER SERVICES.
- 7 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
- 8 LOCATION OF INFILTRATION GALLERY WAS OBTAINED FROM ORIGINAL DESIGN DRAWINGS.
- 9 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
- 10 CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
- 11 CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
- 12 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
- 13 CONTRACTOR SHALL BE RESPONSIBLE TO POTHOLE ALL UTILITIES ALONG THE BORING ALIGNMENT PRIOR TO BORING THE 8" HDPE SEWER MAIN. POTHOLING COSTS SHALL BE INCLUDED IN THE BORING COST WITH NO ADDITIONAL COST TO THE PROJECT.
- 14 RELOCATE 1-1/4" POLYETHYLENE GAS LINE TO WEST SIDE OF CONSTRUCTION TRENCH.

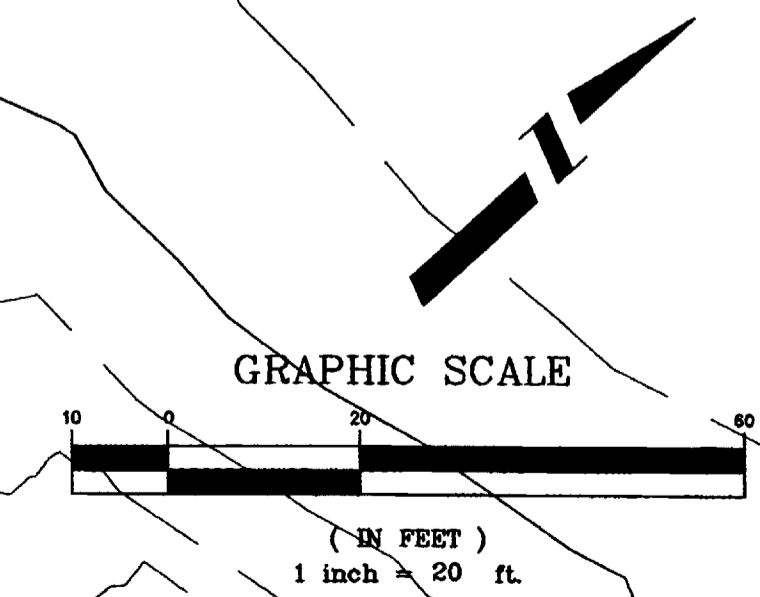
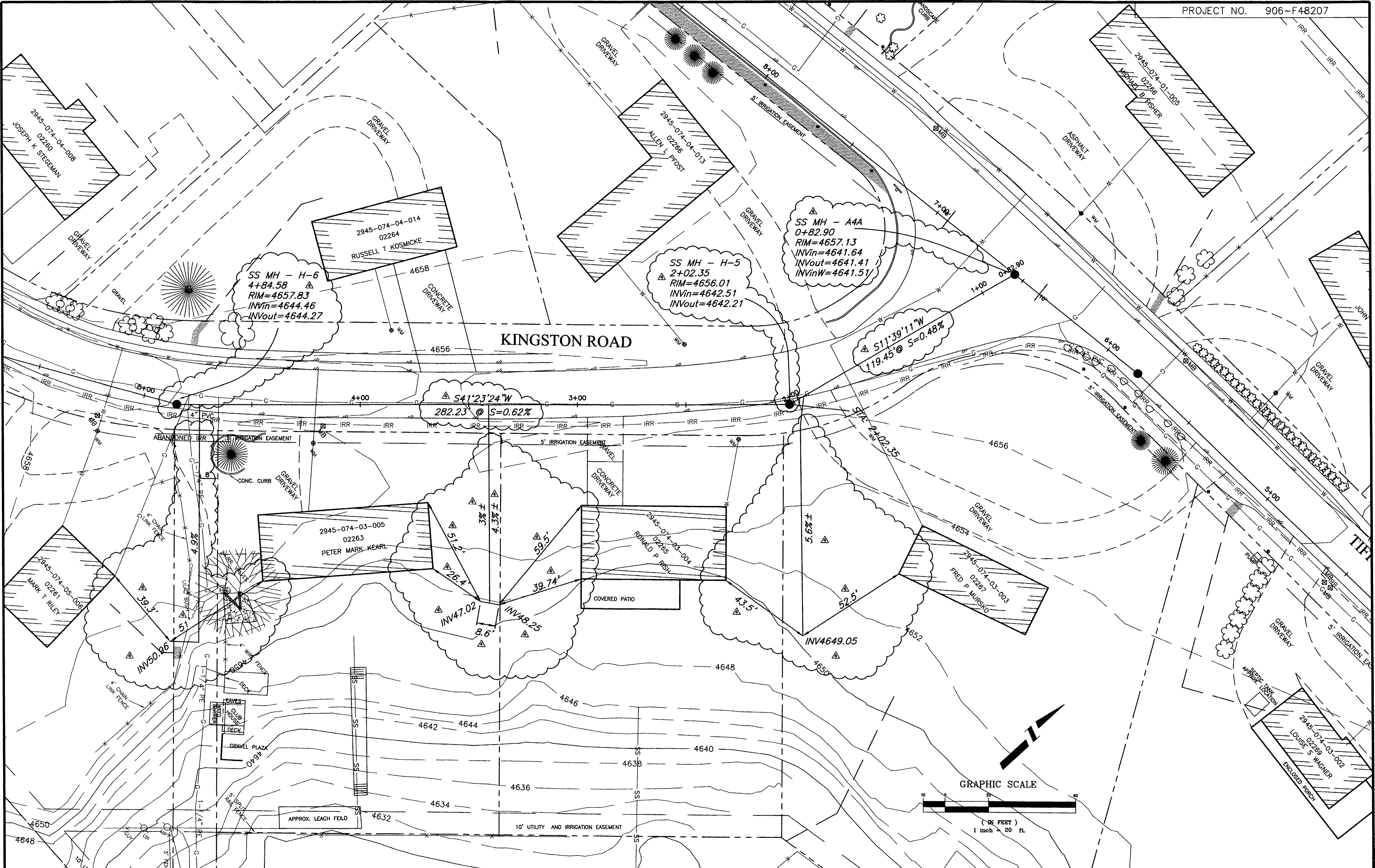


CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION 1			JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
REVISION 2			ESS	9-17-01	
REVISION 3			TDR	9-17-01	
REVISION 4					

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

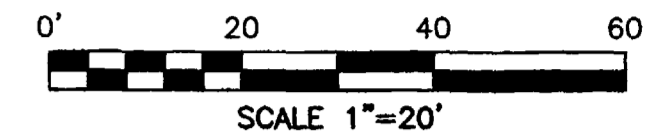
REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "H" STA. 0+00 TO STA. 4+00



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION $\Delta$			SBG	2002	PLAN 1"=20'
REVISION $\Delta$					PROFILE 1"=5'
REVISION $\Delta$					
REVISION $\Delta$	ASBUILT	9-9-02			

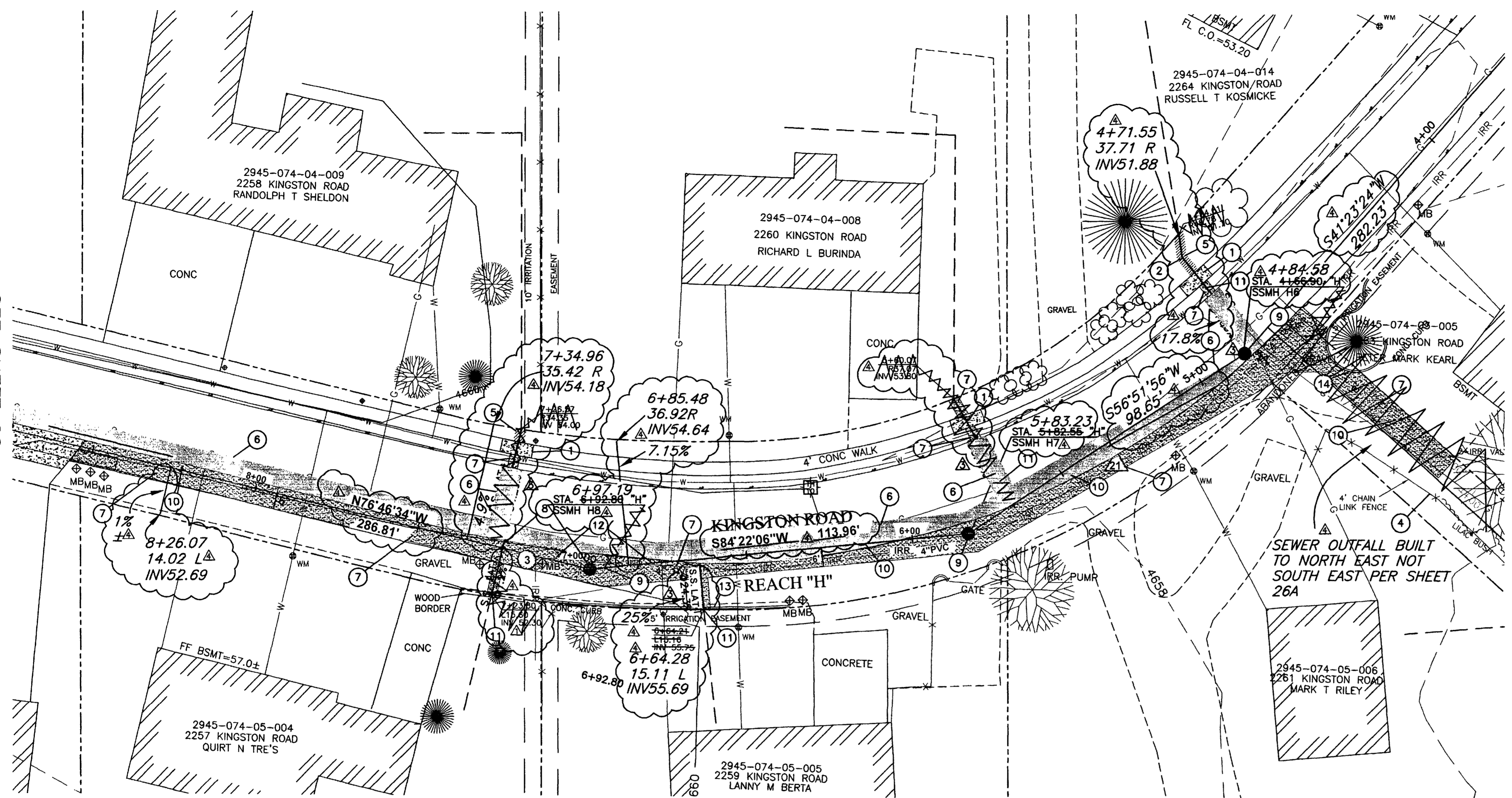
DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN  
 REACH "H" STA 0+00 TO STA 4+84.58

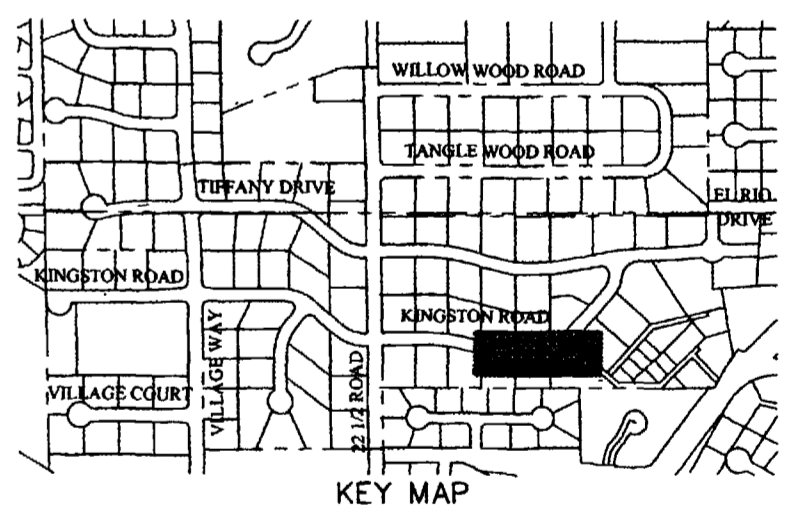
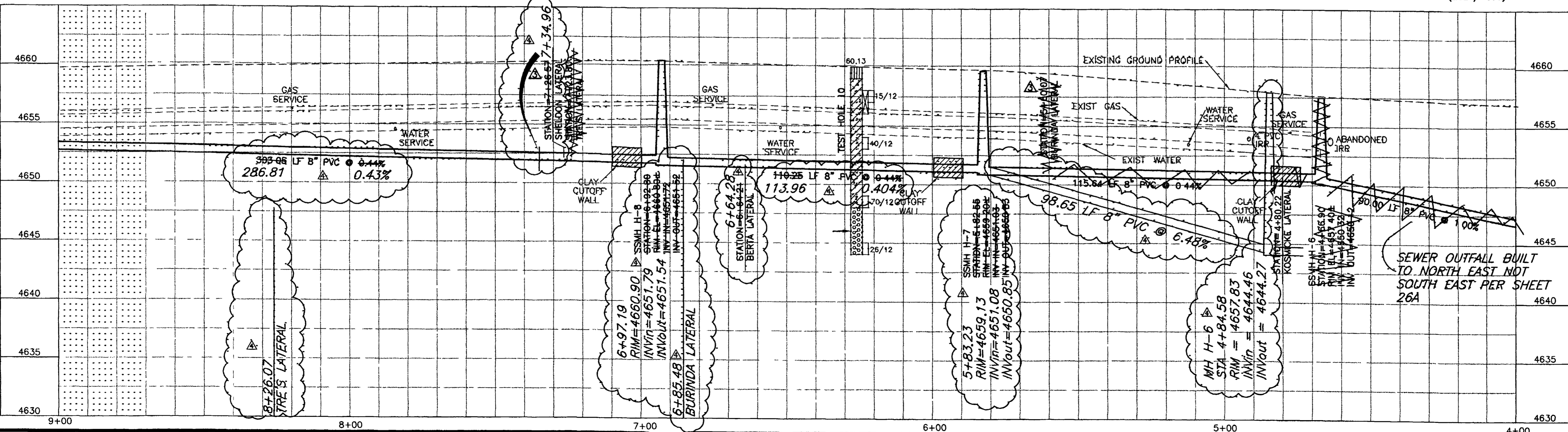


SEE SHEET 28

SEE SHEET 26



- CONSTRUCTION NOTES:**
- ① REMOVE AND REPLACE 10 LF OF CONCRETE SIDEWALK. SAW CUT AT JOINTS. (202 / 608).
  - ② INSTALL 4" 45° BEND.
  - ③ RESET MAILBOX AND LARGE LANDSCAPE ROCK.
  - ④ REMOVE AND REPLACE 90 LF (OR AS DIRECTED) CHAIN LINK FENCE. (202 / 210).
  - ⑤ REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - ⑥ REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - ⑦ REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - ⑧ TURN WYE DOWN. 4" LATERAL INV 52.10.
  - ⑨ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARD DETAIL SS-02, (102 / 103 / 104).
  - ⑩ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑪ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - ⑫ REMOVE AND REPLACE 50 LF 4" PVC IRRIGATION.
  - ⑬ PROTECT CONCRETE CURB IN PLACE.
  - ⑭ REMOVE AND REPLACE 15 LF LANDSCAPE CURB. (202 / 609)



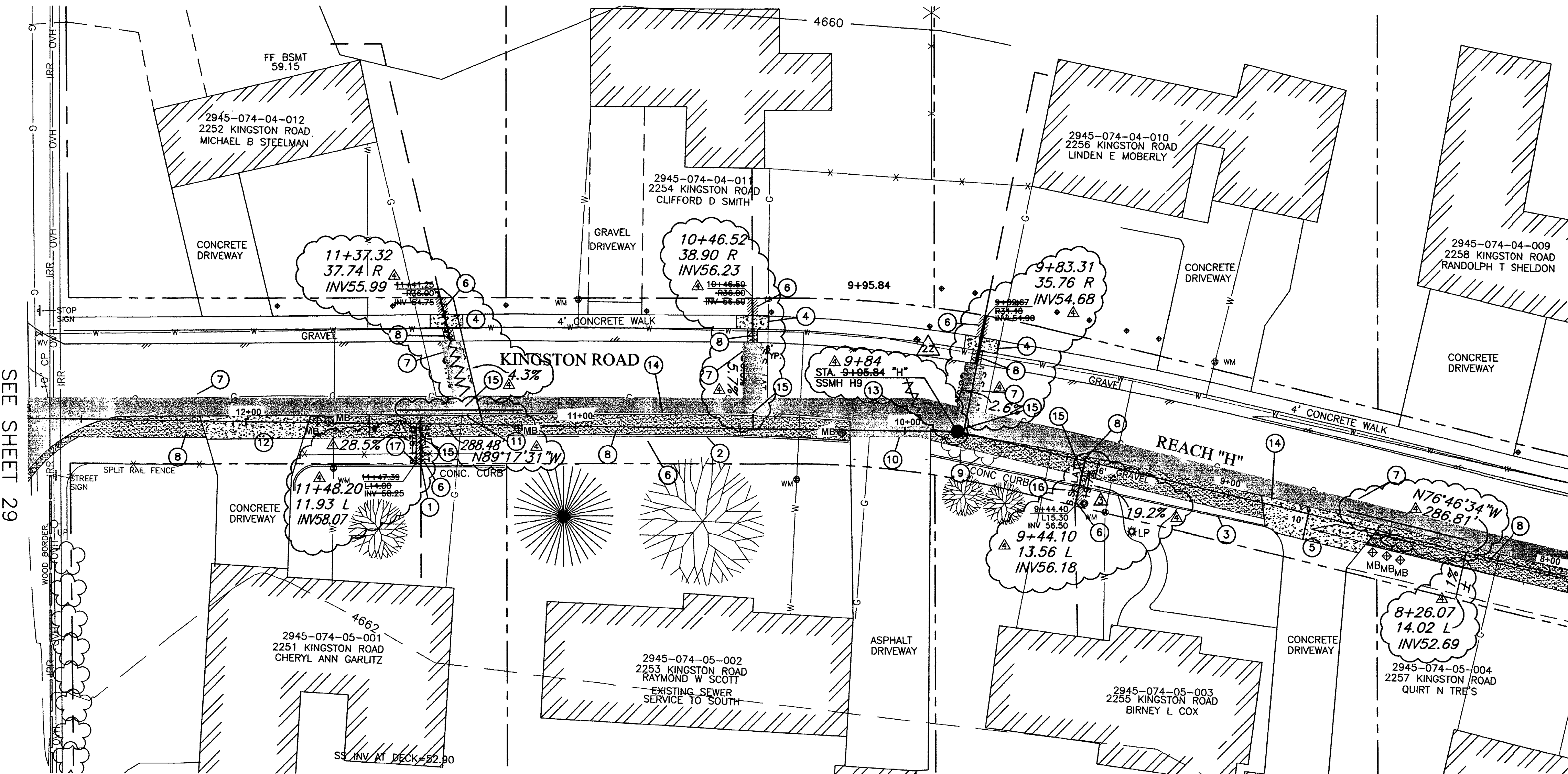
**SURVEY CONTROL**  
 21 STATION: 5+33.17 "H"  
 OFFSET 1.73' RT.  
 PK NAIL WITH WASHER  
 N:41571.794, E:71741.419  
 ELEVATION=4658.58

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

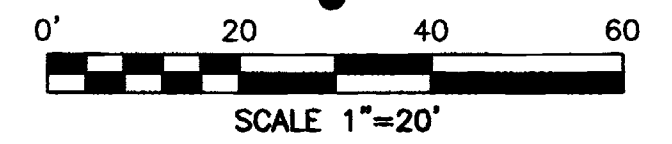
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
Δ	SS LAT INVERT FOR 2257 KINGSTON RD	10-22-01	JLG	9-17-01	PLAN 1"=20' PROFILE 1"=5'
Δ	SS LAT OWNER AND SLOPE INFO.	2-11-02	ESS	9-17-01	
Δ	ASBUILT	9-9-02	TDR	9-17-01	

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "H" STA.4+00 TO STA.9+00

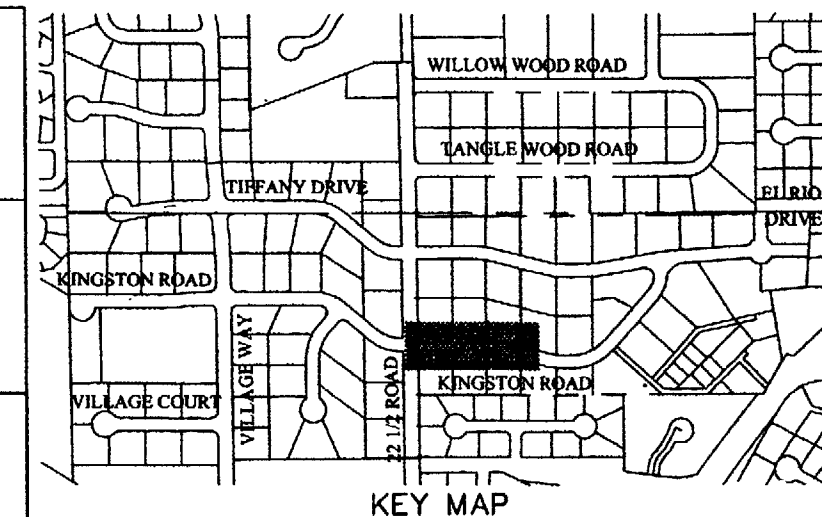


- CONSTRUCTION NOTES:**
- IF REQUIRED, ADJUST SEWER LATERAL LOCATION TO BE CENTERED BETWEEN FENCE POSTS.
  - REMOVE AND REPLACE 100 LF OF LANDSCAPE CURB. (202 / 609).
  - REMOVE AND REPLACE 90 LF OF LANDSCAPE CURB. (202 / 609).
  - REMOVE AND REPLACE 10 LF OF CONCRETE SIDEWALK AT JOINTS. (202 / 608).
  - REMOVE AND REPLACE 43 S.Y. OF CONCRETE DRIVEWAY. SAW CUT AT JOINTS.
  - REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - PROTECT EXISTING BUSHES IN PLACE.
  - REMOVE AND REPLACE ASPHALT DRIVEWAY TO THE LIMITS SHOWN.
  - TURN DOWN WYE. 4" LATERAL INV 54.20.
  - REMOVE AND REPLACE 27 S.Y. OF CONCRETE DRIVEWAY. SAW CUT AT JOINTS.
  - CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARD DETAIL SS-02, (102 / 103 / 104).
  - CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - REMOVE AND REPLACE 5 LF LANDSCAPE CURB. (202 / 609).
  - PROTECT EXIST CONCRETE CURB IN PLACE.



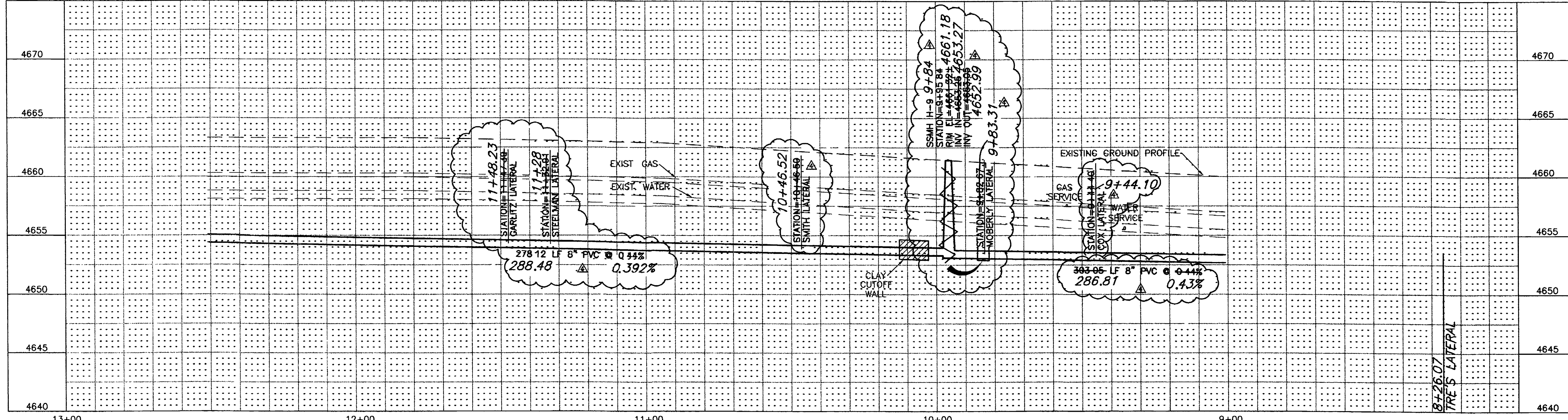
SEE SHEET 27

SEE SHEET 29



**SURVEY CONTROL**  
 STATION: 10+02.04 "H"  
 OFFSET 29.68' RT.  
 PK NAIL WITH WASHER  
 N:41631.698, E:71296.020  
 ELEVATION=4661.00

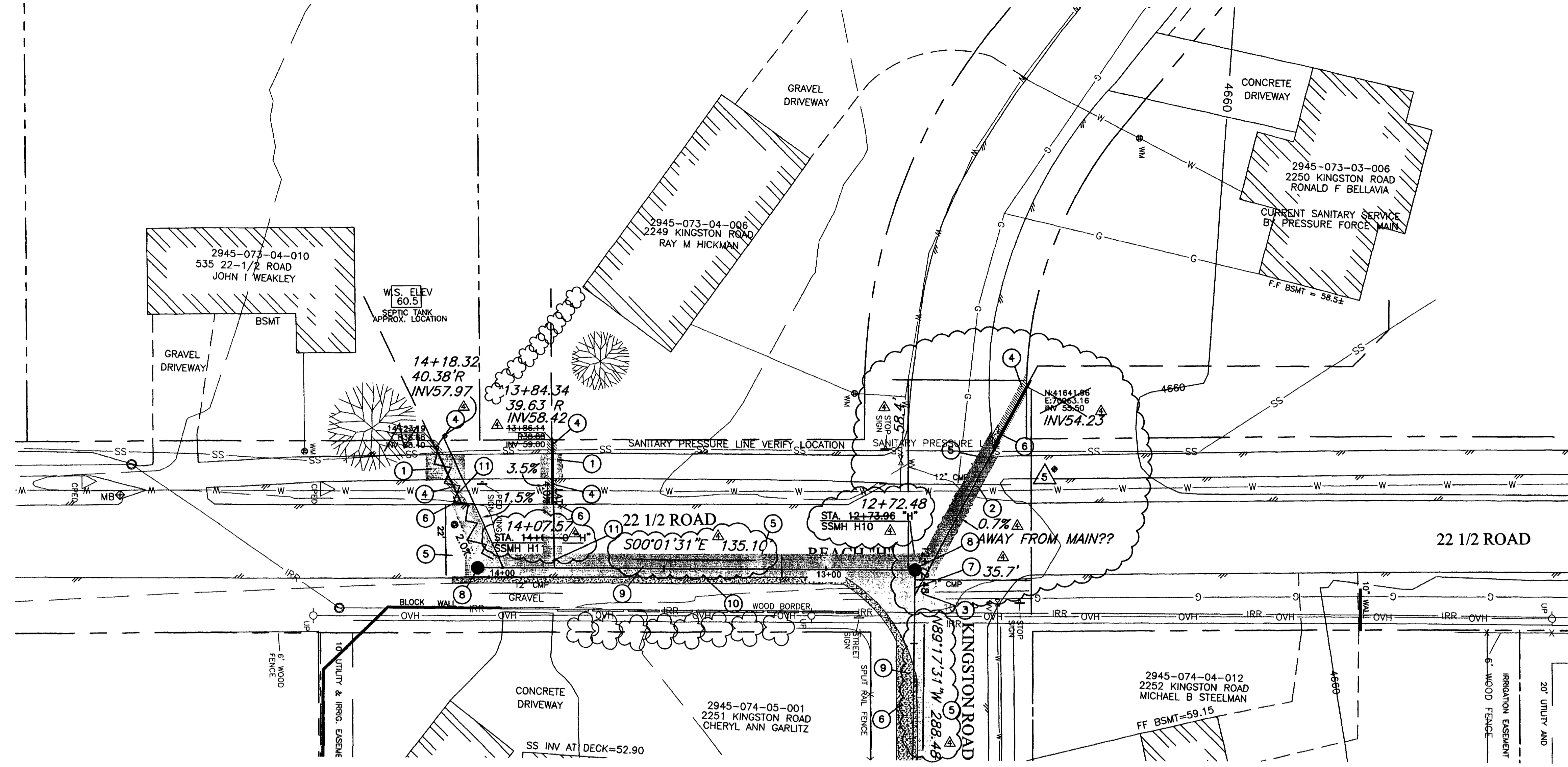
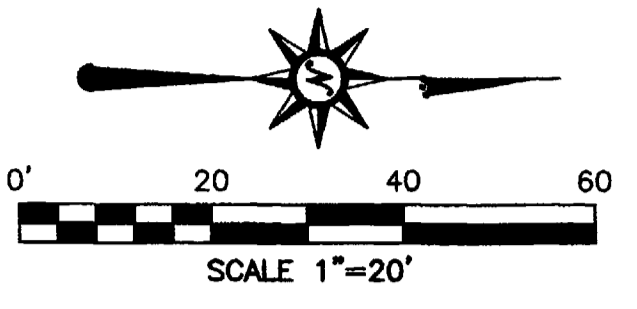
CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A			JLG	9-17-01	PLAN PROFILE
REVISION B	SEW LAT SLOPE CHANGES 2251&2255 KINGSTON RD	2/11/02	ESS	9-17-01	HORIZ. 1"=20' HORIZ 1"=20'
REVISION C	ASBUILT	9-9-02	TDR	9-17-01	VERT. 1"=5'

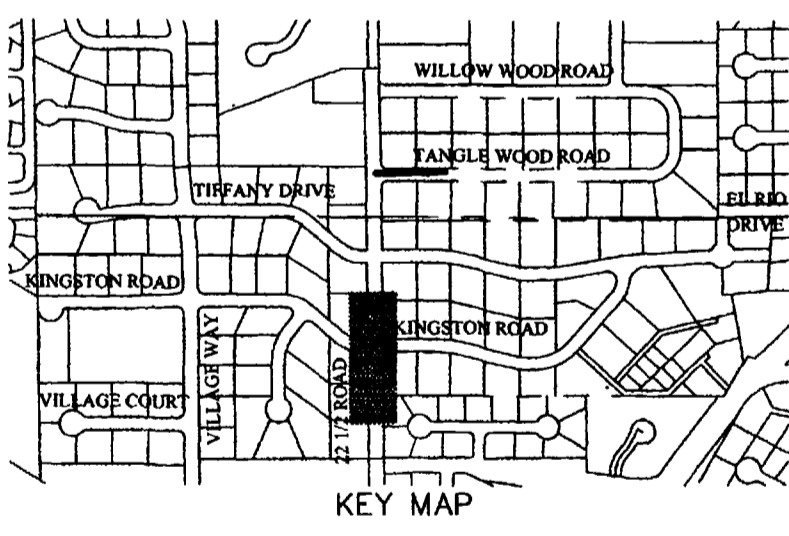
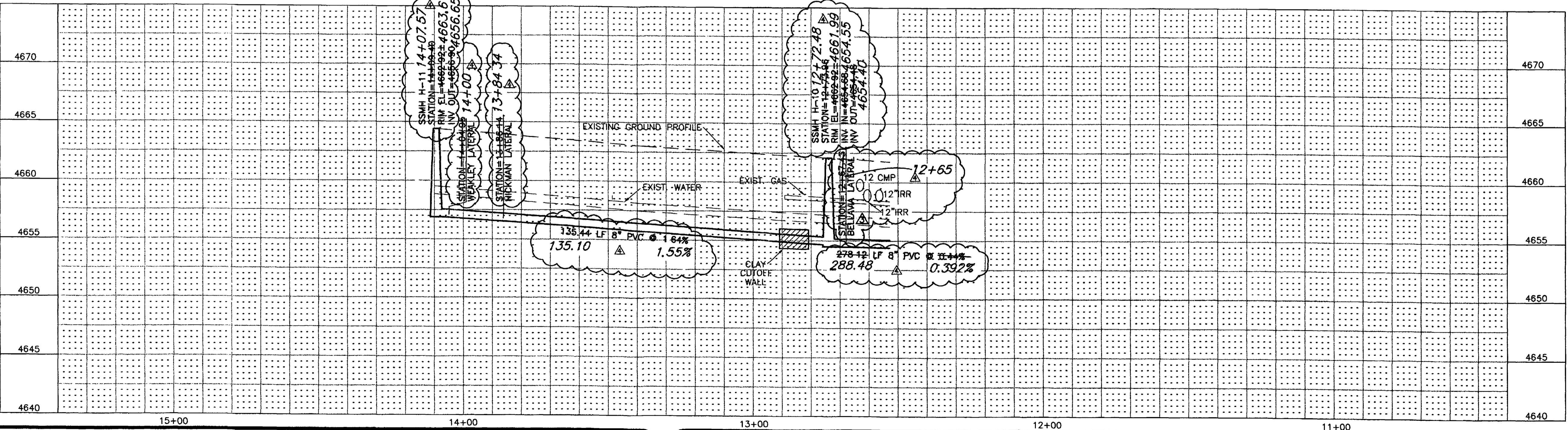
DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "H" STA.9+00 TO STA.12+50



- CONSTRUCTION NOTES:**
- 1 REMOVE AND REPLACE ASPHALT PATH AS NECESSARY. CUT EXISTING ASPHALT WITH A CLEAN STRAIGHT EDGE. PAYMENT TO BE MADE UNDER BID ITEM #11.
  - 2 REMOVE AND REPLACE 8 LF 12" CMP. MATCH EXISTING INVERTS. (102 / 103 / 104 / 202).
  - 3 REMOVE AND REPLACE 8 LF 12" CMP. MATCH EXISTING INVERTS. (102 / 103 / 104 / 202).
  - 4 REMOVE EXISTING GRASS AS NEEDED TO FACILITATE CONSTRUCTION. REPLACE GRASS WITH SOD. EXISTING GRASS MAY BE REUSED IF IT IS REMOVED UTILIZING A SOD CUTTER AND IS ROLLED AND STORED NOT MORE THAN TWO DAYS. (202 / 212).
  - 5 REMOVE AND REPLACE ASPHALT, AS SHOWN OR DIRECTED.
  - 6 REPLACE DISTURBED GRAVEL AREAS WITH GRAVEL TREATMENT TO MATCH EXISTING, 4" THICK. (304).
  - 7 TURN WYE DOWN TO 3:00 POSITION. 4" LATERAL INV 54.77.
  - 8 CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARD DETAIL SS-02, (102 / 103 / 104).
  - 9 CONSTRUCT 8" ,SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - 10 CONSTRUCT GRAVEL SHOULDER TREATMENT. (304).
  - 11 CONSTRUCT 4" ,SDR-35, PVC SERVICE LINE. (102 / 103 / 104).

SEE SHEET 28



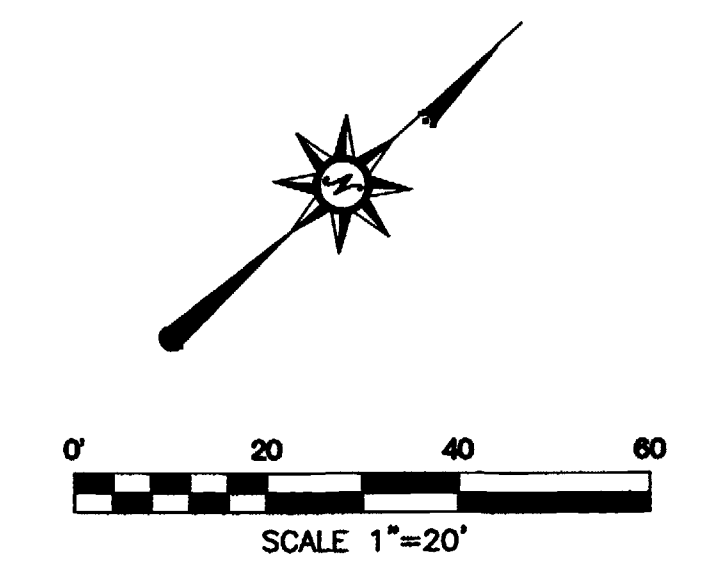
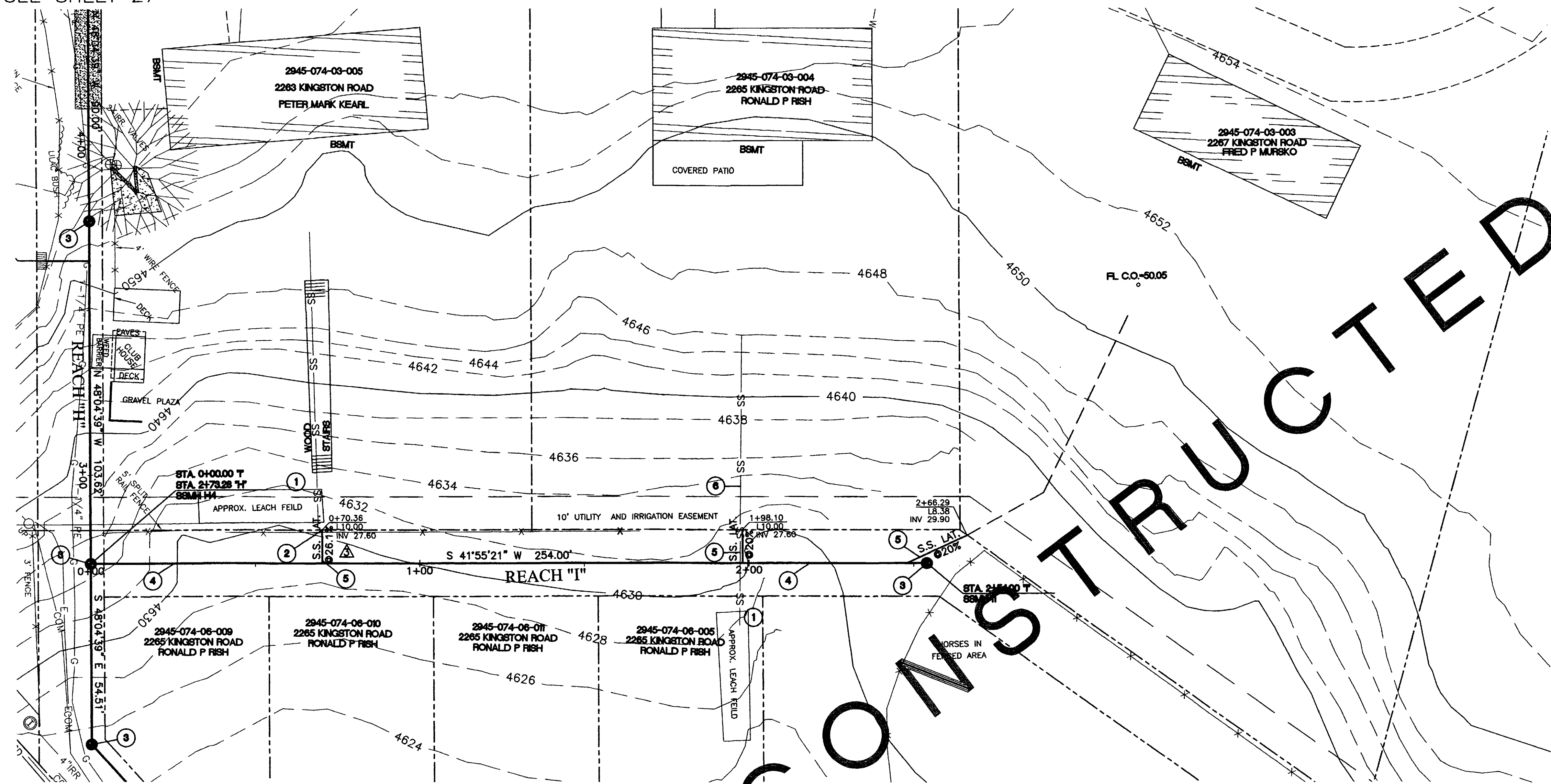
**SURVEY CONTROL**  
 STATION: 12+73.01  
 S. 33°52'20" E. 53.90'  
 PK NAIL  
 N:41650.552, E:70988.670  
 ELEVATION=4661.36

CALL UTILITY NOTIFICATION  
 CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE  
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 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
1	OWNER OF LATERAL STA. 12+67.43 REVISED	2/11/02	JLG	9-17-01	PLAN 1"=20'
2	ASBUILT	9-9-02	ESS	9-17-01	PROFILE 1"=5'
3			TDR	9-17-01	
4					

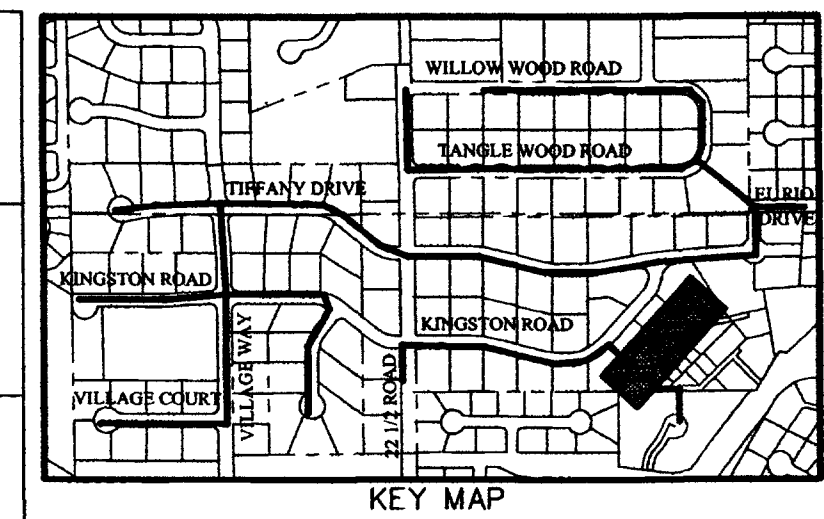
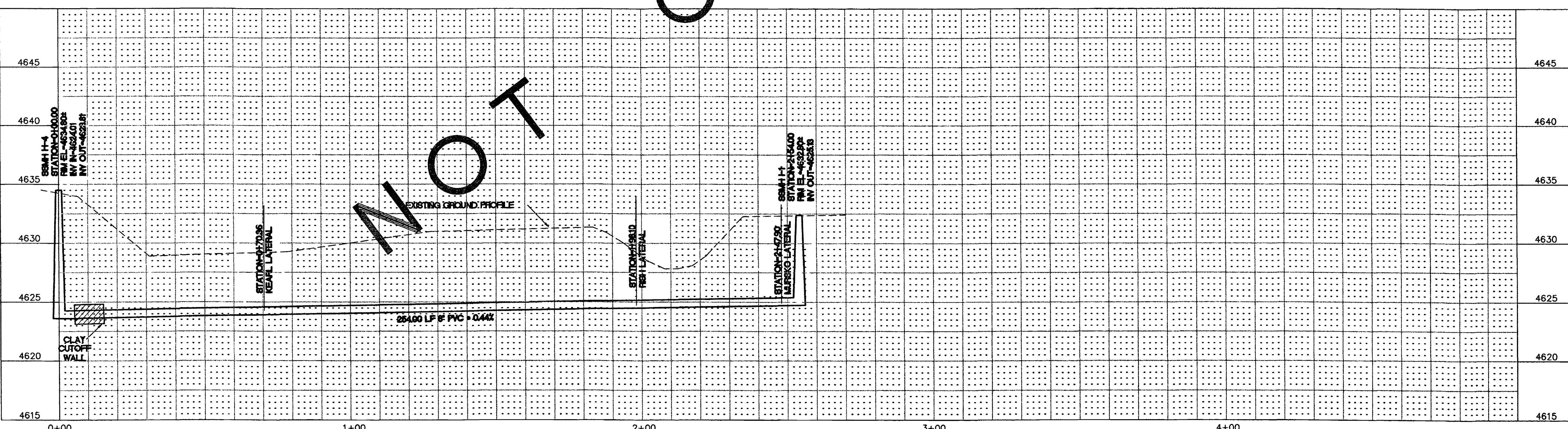
DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "H" STA.12+50 TO STA.14+50



- CONSTRUCTION NOTES:**
- ① UNKNOWN LOCATION OF LEACH FIELD AND PIPING. EXCAVATE WITH CAUTION.
  - ② ADJUST LATERAL LOCATION IF NECESSARY TO CENTER BETWEEN FENCE POST.
  - ③ CONSTRUCT NEW 48" DIA. MANHOLE PER CITY OF GRAND JUNCTION STANDARDS DETAIL SS-02, (102 / 103 / 104).
  - ④ CONSTRUCT 8" SDR-35, PVC SEWER LINE. (102 / 103 / 104).
  - ⑤ CONSTRUCT 4" SDR-35, PVC SERVICE LINE. (102 / 103 / 104).
  - ⑥ PROTECT EXISTING SEWER SERVICE IN PLACE.

SEE SHEET 26



CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1987**  
 CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION 1	DESIGNED BY	9-17-01	JLG	9-17-01	PLAN 1"=20'
REVISION 2	CHECKED BY	9-17-01	ESS	9-17-01	PROFILE 1"=20'
REVISION 3	APPROVED BY		TDR	9-17-01	VERT. 1"=5'
REVISION 4					

DEPARTMENT OF PUBLIC WORKS AND UTILITIES  
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS  
 CITY OF GRAND JUNCTION, COLORADO

REDLANDS VILLAGE SOUTH  
 SANITARY SEWER PLAN & PROFILE  
 REACH "I" STA.0+00 TO STA.2+54