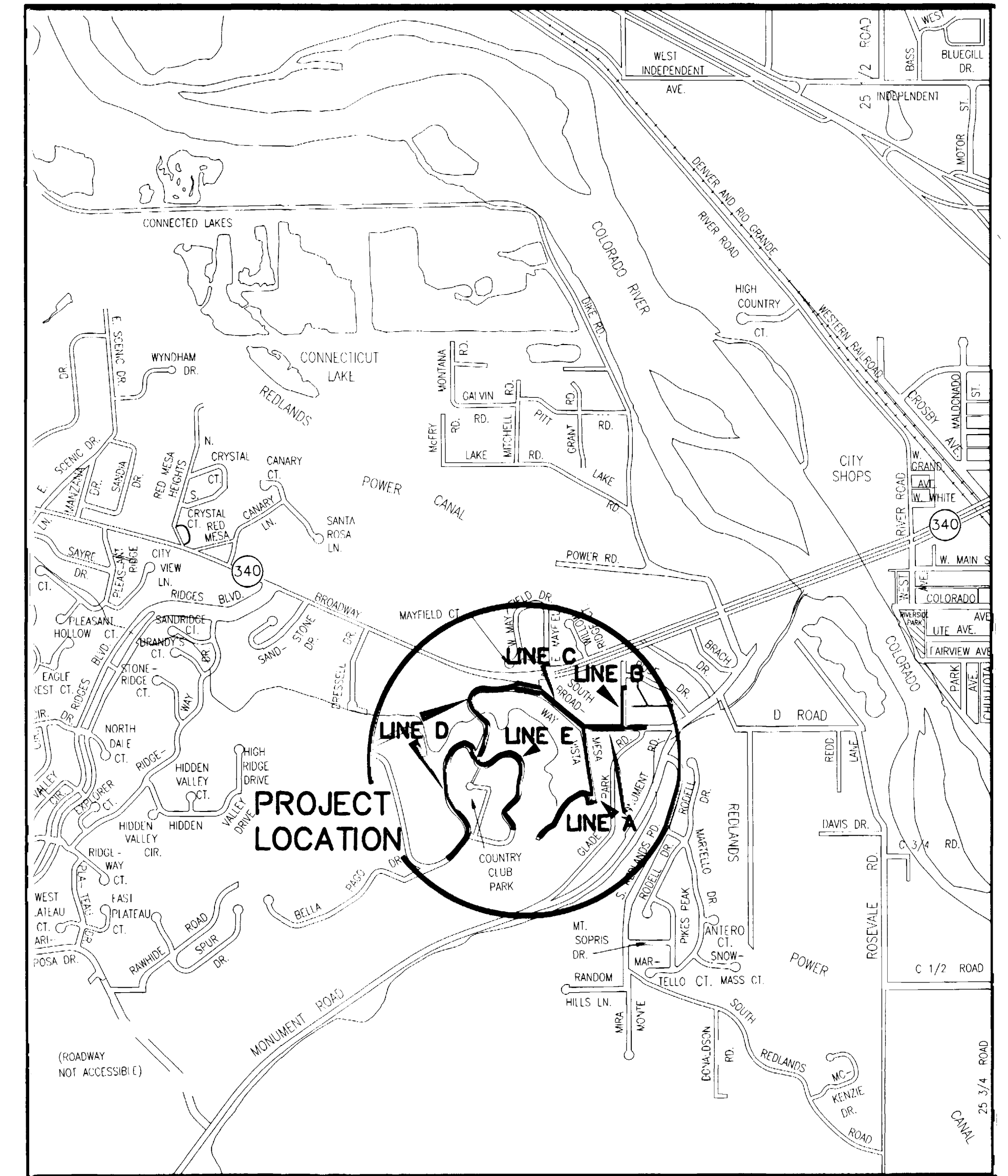


COUNTRY CLUB PARK #2 SEWER IMPROVEMENT DISTRICT JUNE, 2001

*ASBUILT
CONTRACTOR: RW JONES*

VICINITY MAP

NOTE
ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS ASBUILT WAS ACTUALLY ASBUILT. ALL OTHER INFORMATION IS OF A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.



- 1 ————— Cover Sheet
- 2 ————— Standard Abbreviations, Legend, and Symbols
- 3 ————— Summary of Approximate Quantities
- 4-8 ————— Sanitary Sewer Plan and Profiles (A Line)
- 9 ————— Sanitary Sewer Plan and Profiles (B Line)
- 10-11 _B — Sanitary Sewer Plan and Profiles (C Line)
- 12-16 ————— Sanitary Sewer Plan and Profiles (D Line)
- 17-19 ————— Sanitary Sewer Plan and Profiles (E Line)
- 20-25 ————— Sanitary Sewer Service Line Plan and Profiles

*Department of Public Works & Utilities
Engineering and Technical Services Divisions
City of Grand Junction, Colorado*

DRAWING STATUS:	
○ PROGRESS	
● BID SET	
○ FINAL CONSTRUCTION DRAWINGS	
○ ASBUILT DRAWINGS	
APPROVED FOR CONSTRUCTION	
CITY OF GRAND JUNCTION	DATE
ACCEPTED AS CONSTRUCTED	
CITY OF GRAND JUNCTION	DATE

COUNTRY CLUB PARK #2 SEWER IMPROVEMENT DISTRICT, JUNE, 2001, Plan Set No. _____

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C.G.& SW	CURB, GUTTER & SIDEWALK
CL	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
FL	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT	LEFT
MB	MAILBOX
MCSM	MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW	MILL WRAP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOP	NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PIP	PLASTIC IRRIGATION PIPE
POC	POINT ON CURVE
POT	POINT ON TANGENT
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	SLOPE
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUU	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA	STATION
STL	STEEL
STM	STORM
T	TELEPHONE
TAN	LENGTH OF TANGENT
TC	TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP)	TYPICAL
UU	UNDERGROUND UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WATER
Δ	DELTA ANGLE

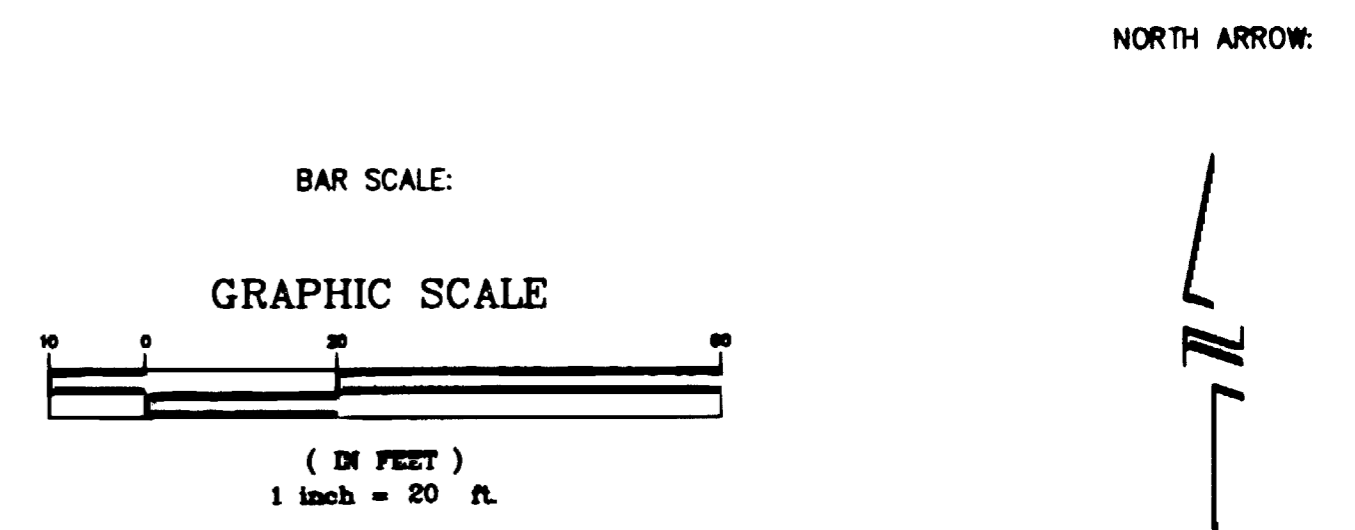
LEGEND

BSWMP DRAINAGE BASIN BOUNDARY	
BSWMP ANCHORED STRAW BALES	
BSWMP SILT FENCE	
BUILDING	
CONCRETE CURB AND GUTTER	
CONCRETE CURB, GUTTER, & SIDEWALK	
CONCRETE DITCH	
CONCRETE SIDEWALK	
CULVERT	
EARTH DITCH	
EDGE OF GRAVEL	
EDGE OF PAVEMENT	
FENCE (BARBED WIRE)	
FENCE (CHAIN LINK)	
FENCE (IRON)	
FENCE (PLASTIC)	
FENCE (TEMPORARY CONSTRUCTION)	
FENCE (WOOD)	
FENCE (WOVEN WIRE)	
GUARD RAIL	
HATCHING: INDICATES ASPHALT REMOVAL	
HATCHING: INDICATES CONCRETE REMOVAL	
HATCHING: INDICATES STAGING AREA	
LINE (CENTER OF IMPROVEMENTS)	
LINE (CITY LIMITS)	
LINE (CONTROL)	
LINE (EASEMENT)	
LINE (MONUMENT/SECTION)	
LINE (PROPERTY)	
LINE (RIGHT OF WAY)	
MATCH LINE	
PIPE (IRRIGATION)	
PIPE (SIPHON)	

PROPOSED CONCRETE CURB AND GUTTER	
PROPOSED CONCRETE CURB, GUTTER, & SIDEWALK	
PROPOSED CONCRETE SIDEWALK	
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
RAIL ROAD	
RETAINING WALL	
STRIPING (CONTINUOUS WHITE)	
STRIPING (DASHED WHITE)	
STRIPING (CONTINUOUS YELLOW)	
STRIPING (DASHED YELLOW)	
TOP OF SLOPE	
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
TOE OF SLOPE	
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	
UTILITY LINE (CABLE TV)	
UTILITY LINE (ELECTRIC)	
UTILITY LINE (FIBER OPTIC)	
UTILITY LINE (GAS)	
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	
UTILITY LINE (OVERHEAD POWER)	
UTILITY LINE (OVERHEAD TELEPHONE)	
UTILITY LINE (SANITARY SEWER)	
UTILITY LINE (SANITARY SEWER FORCE MAIN)	
UTILITY LINE (SANITARY SEWER SERVICE)	
UTILITY LINE (STORM SEWER)	
UTILITY LINE (STORM SEWER, PERFORATED)	
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	
UTILITY LINE (TELEPHONE)	
UTILITY LINE (WATER)	

SYMBOLS

BENCH MARK	
CATCH BASIN	
CLEAN OUT	
CURB STOP	
FIRE HYDRANT	
GUY WIRE ANCHOR	
HEADGATE	
IRRIGATION PUMP	
MAILBOX	
MANHOLE (ELECTRIC)	
MANHOLE (GAS)	
MANHOLE (SANITARY/STORM)	
MANHOLE (TELEPHONE)	
MANHOLE (TV)	
MANHOLE (WATER)	
METER (GAS)	
METER (WATER)	
PEDESTAL (TELEPHONE)	
PEDESTAL (TV)	
PROPERTY PIN	
PULL BOX	
REDUCER FITTING	
SIGN OR POST (SIGN TYPE NOTED)	
SPRINKLER HEAD	
STREET LIGHT	
SURVEY MONUMENT (CITY)	
SURVEY MONUMENT (TYPE NOTED)	
TEST HOLE	
TRAFFIC PAINT MARKING	
TRAFFIC SIGNAL POLE AND MAST ARM	
UTILITY POLE	
VALVE (GAS)	
VALVE (IRRIGATION)	
VALVE (WATER)	
VEGETATION (HEDGE OR BUSH)	
VEGETATION (TREE STUMP)	
VEGETATION (TREE) (CALIPER SIZE NOTED)	
WATER HYDRANT	
WEIR	
YARD LIGHT	



REVISION Δ	DESCRIPTION	DATE	DRAWN BY JCS	DATE 4-02
REVISION Δ			DESIGNED BY	DATE
REVISION Δ			CHECKED BY	DATE
REVISION Δ			APPROVED BY	DATE

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

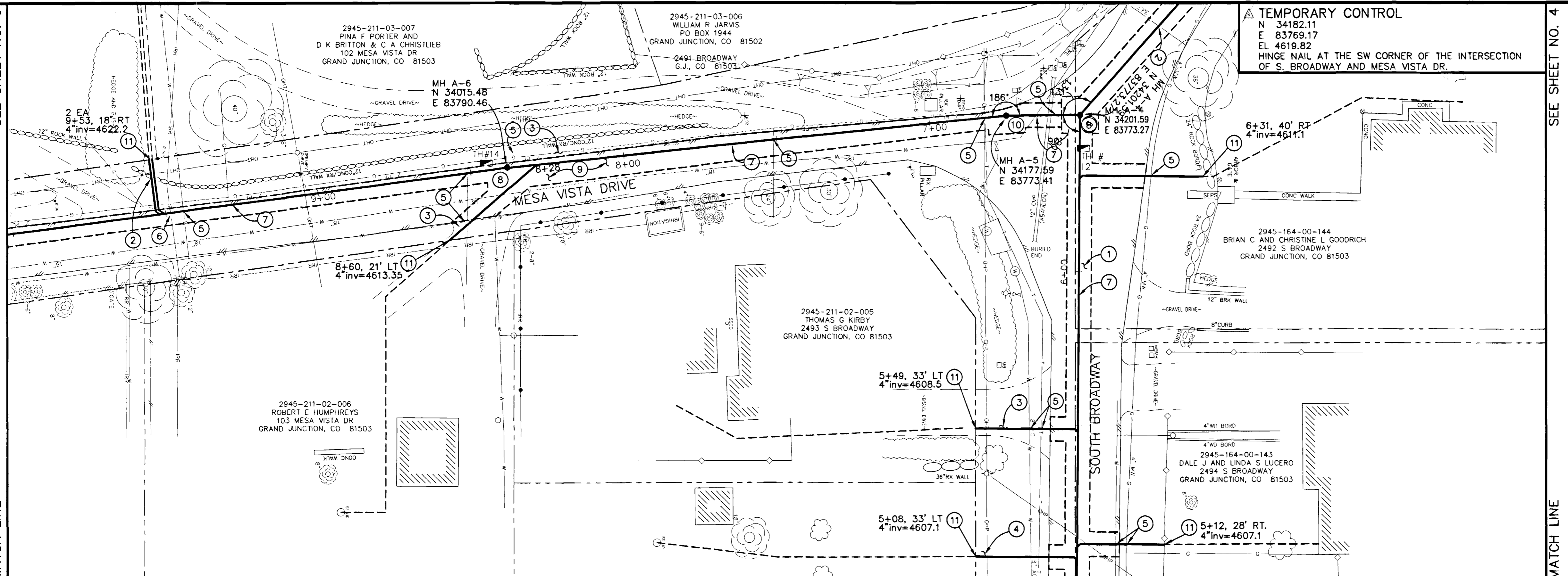
CITY OF GRAND JUNCTION
STANDARD ABBREVIATIONS, LEGEND,
AND SYMBOLS SHEET

Item no.	Ref. no.	Contract Item	Quantity	Units	Unit Price	Extended Price
1	102/103/104	6" SDR-35 PVC w/ native backfill. Includes granular bedding and haunching material and clay cut-off walls	7,040.00	LF		
2	102/103/104	6" C-900 PVC w/ flow fill backfill to finish grade. Includes granular bedding and haunching material	103.00	LF		
3	102/103/104	4" SDR-35 PVC Service Line w/ native backfill. Includes granular bedding and haunching material	2,818.00	LF		
4	102/103/104	4" SDR-35 PVC Service Line w/ native backfill. Two service lines in common trench. Includes granular or select bedding and haunching material.	499.00	LF		
5	102/103/104	4" SDR-35 PVC Service Line w/ native backfill. Three service lines in common trench. Includes granular or select bedding and haunching material.	144.00	LF		
6	102/103/104	Sewer service tap, 6"x4" Full body wye, and 4" 45 degree bend. Clean out for 4" service line, outside or within, existing street right of way. Use lamp hole cover Castings # CO-8030 C.I. or engineer approved equal in lieu of C.I. Ring and Cover see detail SS-07.	67.00	EA		
7			19.00	EA		
8	102/103/104	Std 4' Dia. Sanitary Sewer Manhole 3' depth. Complete in place	36.00	EA		
9	104.00	Extra depth for 4' Dia. Std. Manhole	128.00	LF		
10	102/103/104	Std 4' Dia. Sanitary Sewer Drop Manhole 3' depth. Complete in place.	5.00	EA		
11	104.00	Extra depth for 4' Dia. Std. Drop Manhole	37.00	LF		
12	104.00	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.	1.00	EA		
13	104.00	Construct new manhole over existing line in highway 340. This will be a poured in place base.	1.00	EA		
14	103.16	Import pit run backfill material. Includes excavation, haul, and disposal of unsuitable native material.	100.00	Ton		
15	103.15	Granular stabilization material	100.00	Ton		
16	103.11	Rock Excavation	500.00	CY		
17	202 / 212	Remove and replace existing sod to the limits shown and as called out on the plan set.	130.00	SY		
18	202 / 401	Remove and replace asphalt. Construct 3" Hot Bituminous Pavement (Grading C, 50 blow Marshall) where called out. Placed and compacted in one 3" lift. Includes 6" ABC class 6 within limits of trench area.	4,650.00	SY		
19	202 / 401	Remove and replace asphalt. Construct 4" Hot Bituminous Pavement (Grading C, 50 blow Marshall) along South Broadway as called out. Placed and compacted in two 2" lifts. Includes 6" ABC class 6 within limits of trench area.	1,305.00	SY		
20	202 / 401	Remove and replace asphalt. Construct 4" Hot Bituminous Pavement (Grading C, 75 blow Marshall) Highway 340. Placed and compacted in two 2" lifts. Includes milling flow fill and existing asphalt to a 16 foot width centered on the trench, 4" depth.	180.00	SY		
21	202 / 210	Remove and reset existing sprinkler heads as needed to facilitate construction. (cost includes any irrigation piping removal and replacement) See SP-7 of the Special Provisions for the project	1.00	LS		
22	202 / 210	Remove and reset existing rock retaining wall to match preconstruction condition as called out on project plan set, sheet 5.	15.00	LF		
23	202 / 608	Remove and replace existing concrete drive and curb to match preconstruction configuration as called out on project plan set, sheet 10.	35.00	SF		
24	202 / 210	Remove and reset existing fence as called out on project plan set.	15.00	LF		
25	304.00	Class 6 ABC for driveway/shoulder restoration. All class 6 base for shoulder and driveway to be installed at 4" depth	1,100.00	SY		
26	209.05	Dust Palliative	80.00	Day		
27	620.00	Sanitary Facility	1.00	LS		
28	625.00	Construction Surveying including as-built plan:	1.00	LS		
29	626.00	Mobilization	1.00	LS		
30	630.00	Traffic Control				
a		Traffic Control for work crossing Highway 340 right of way MH-D1 to MH-D2 (complete in place includes TCS	4.00	Day		
b		Flagger for work within Highway 340 right of way	120.00	Hour		
c		Traffic Control (complete in place includes TCS.	108.00	Day		
d		Flagger	200.00	Hour		
e		Traffic Control Plan (for bid item 30 a & c)	1.00	LS		
31		Newsletter (approximately 85 per week) GCC Sect. 5f	16.00	WK		
32		Minor Contract Revisions	1.00	LS	\$10,000.00	\$10,000.00

REVISION Δ _____	DESCRIPTION _____	DATE _____	DRAWN BY JCS	DATE 2001	SCALE _____
REVISION Δ _____	DESIGNED BY JCS/SBG	DATE 2001	CHECKED BY SBG	DATE 2001	PLAN _____ PROFILE _____
REVISION Δ _____	APPROVED BY _____	DATE _____			HORIZ. 1"=20' HORIZ. 1"=20' VERT. 1"=5'

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

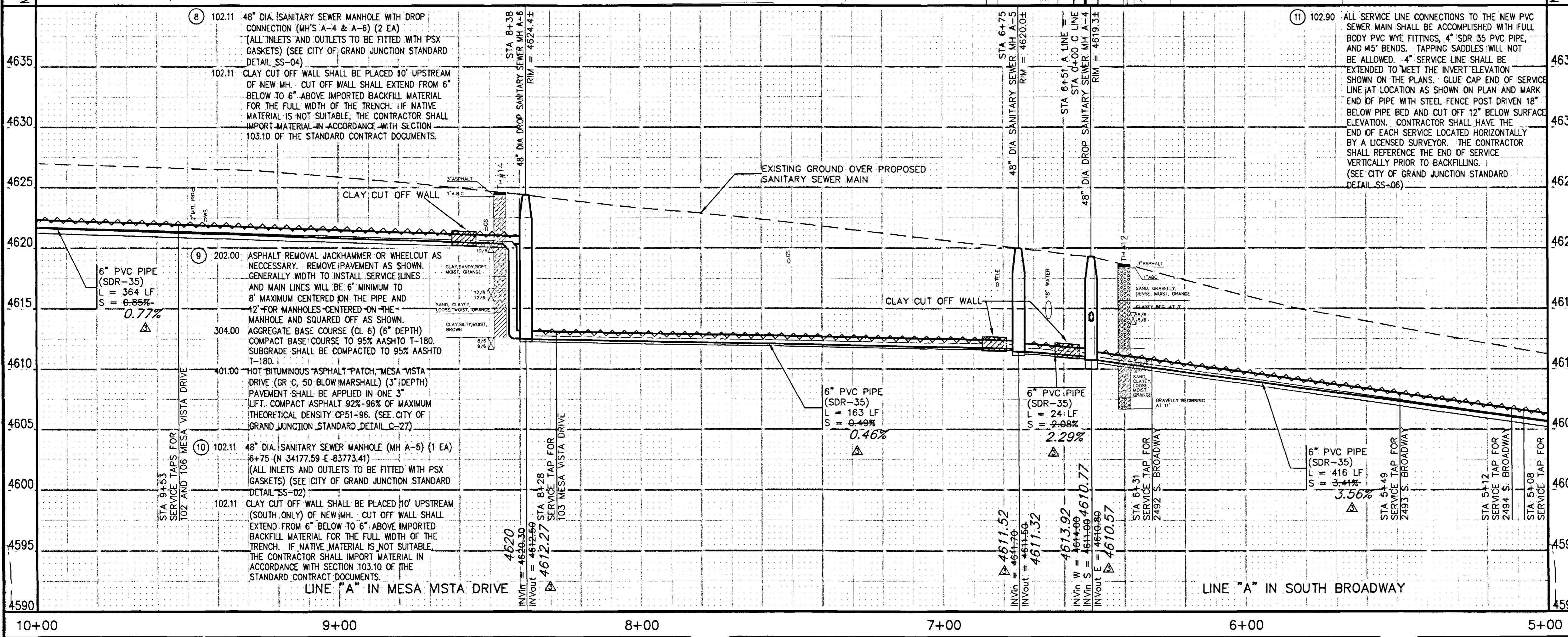
SEE SHEET NO. 6
MATCH LINE



PROJECT NO. 906-F48204
DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS

TEMPORARY CONTROL
 N 34182.11
 E 83769.17
 EL 4619.82
 HINGE NAIL AT THE SW CORNER OF THE INTERSECTION OF S. BROADWAY AND MESA VISTA DR.

- CONSTRUCTION NOTES
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
 - 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
 - 401.00 HOT BITUMINOUS ASPHALT PATCH, SOUTH BROADWAY (GR C, 50 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
 - 210.00 RESTORE EXISTING 12" CONCRETE/ROCK RETAINING WALL TO PRECONSTRUCTION CONDITION AFTER COMPLETION OF SEWER INSTALLATION.
 - 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
 - 210.00 RESTORE YARD TO PRECONSTRUCTION CONDITION.
 - NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR BRUNNER WATER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR BRUNNER WATER LINES.
 - NOTIFY COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE IRRIGATION LINES.
 - 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.



LOCATION MAP

NOTE: ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS ASBUILT WAS ACTUALLY ASBUILT. ALL OTHER INFORMATION IS OF A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.

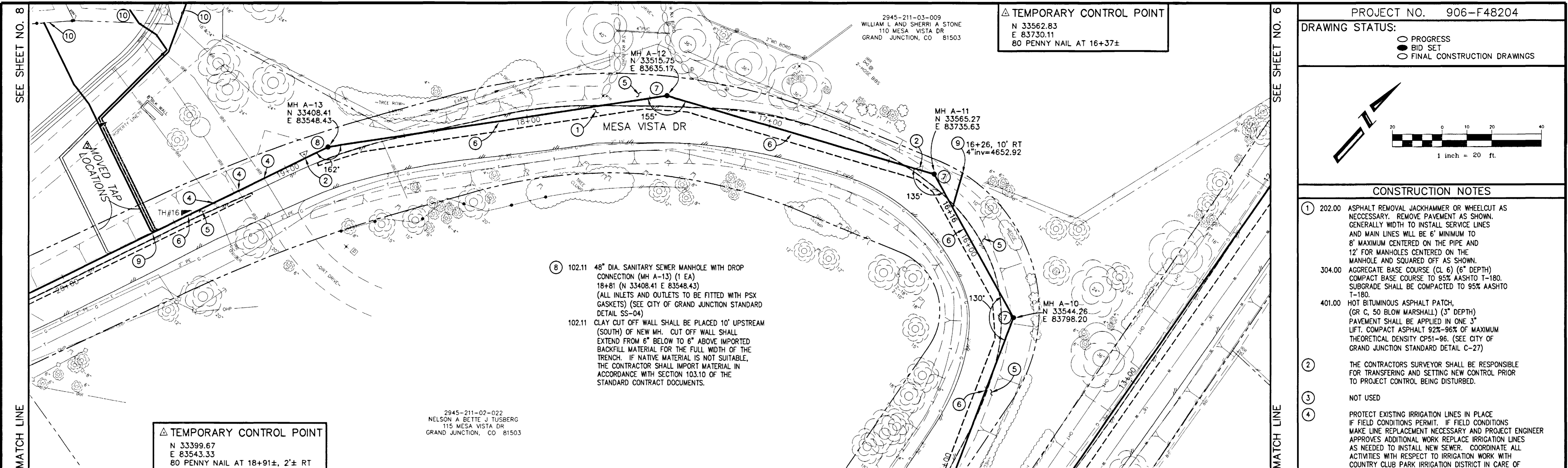
REVISION	DESCRIPTION	DATE
1	ASBUILT	10-02

DRAWN BY JCS DATE 2001
 DESIGNED BY JCS/SBG DATE 2001
 CHECKED BY SBG DATE 2001
 APPROVED BY _____ DATE _____

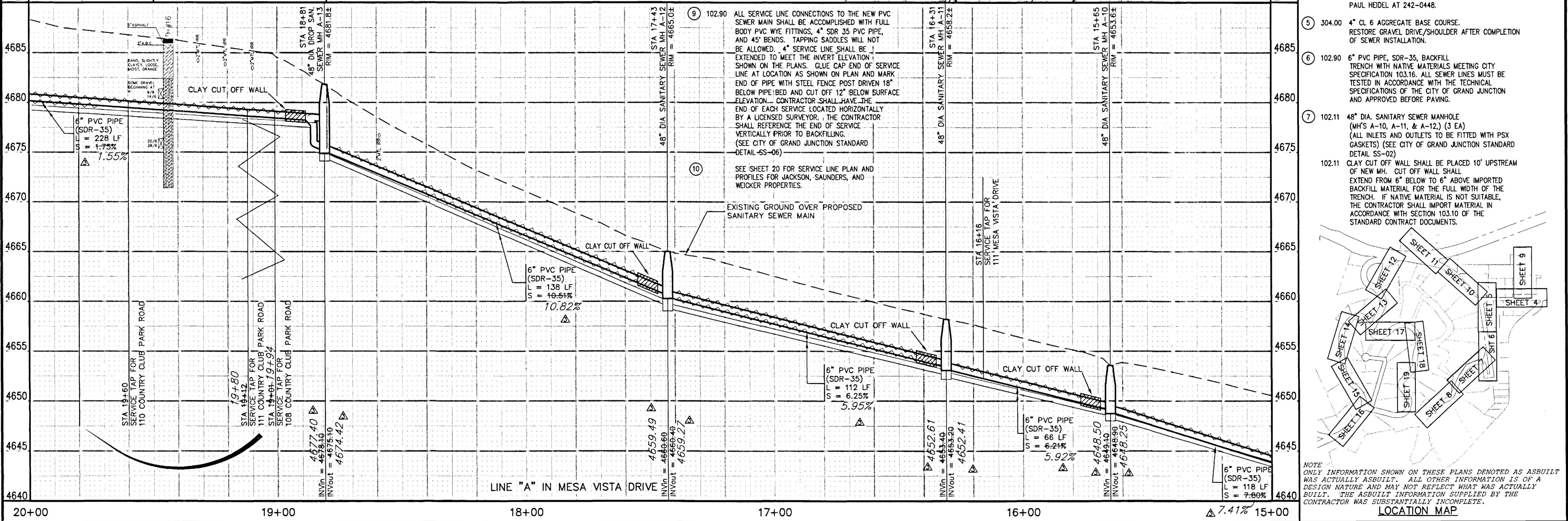
SCALE
 PLAN: HORIZ. 1"=20' HORIZ. 1"=20'
 PROFILE: VERT. 1"=5'

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

COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 A LINE STA 5+00 TO STA 10+00



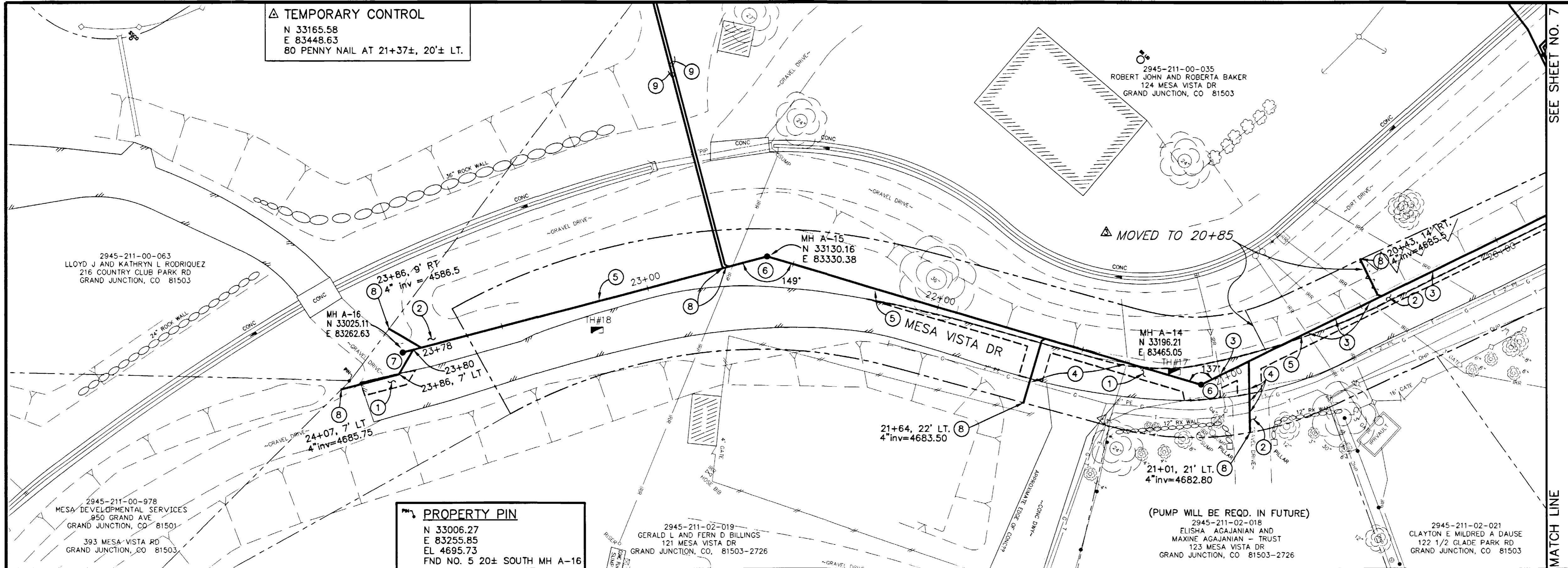
- CONSTRUCTION NOTES**
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
 - 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
 - 401.00 HOT BITUMINOUS ASPHALT PATCH, (OR C. 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
 - THE CONTRACTORS SURVEYOR SHALL BE RESPONSIBLE FOR TRANSFERRING AND SETTING NEW CONTROL POINTS TO PROJECT CONTROL BEING DISTURBED.
 - NOT USED
 - PROTECT EXISTING IRRIGATION LINES IN PLACE IF FIELD CONDITIONS PERMIT. IF FIELD CONDITIONS MAKE LINE REPLACEMENT NECESSARY AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE IRRIGATION LINES AS NEEDED TO INSTALL NEW SEWER. COORDINATE ALL ACTIVITIES WITH RESPECT TO IRRIGATION WORK WITH COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448.
 - 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
 - 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
 - 102.11 48" DIA. SANITARY SEWER MANHOLE (MH'S A-10, A-11, & A-12) (3 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
 - 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.



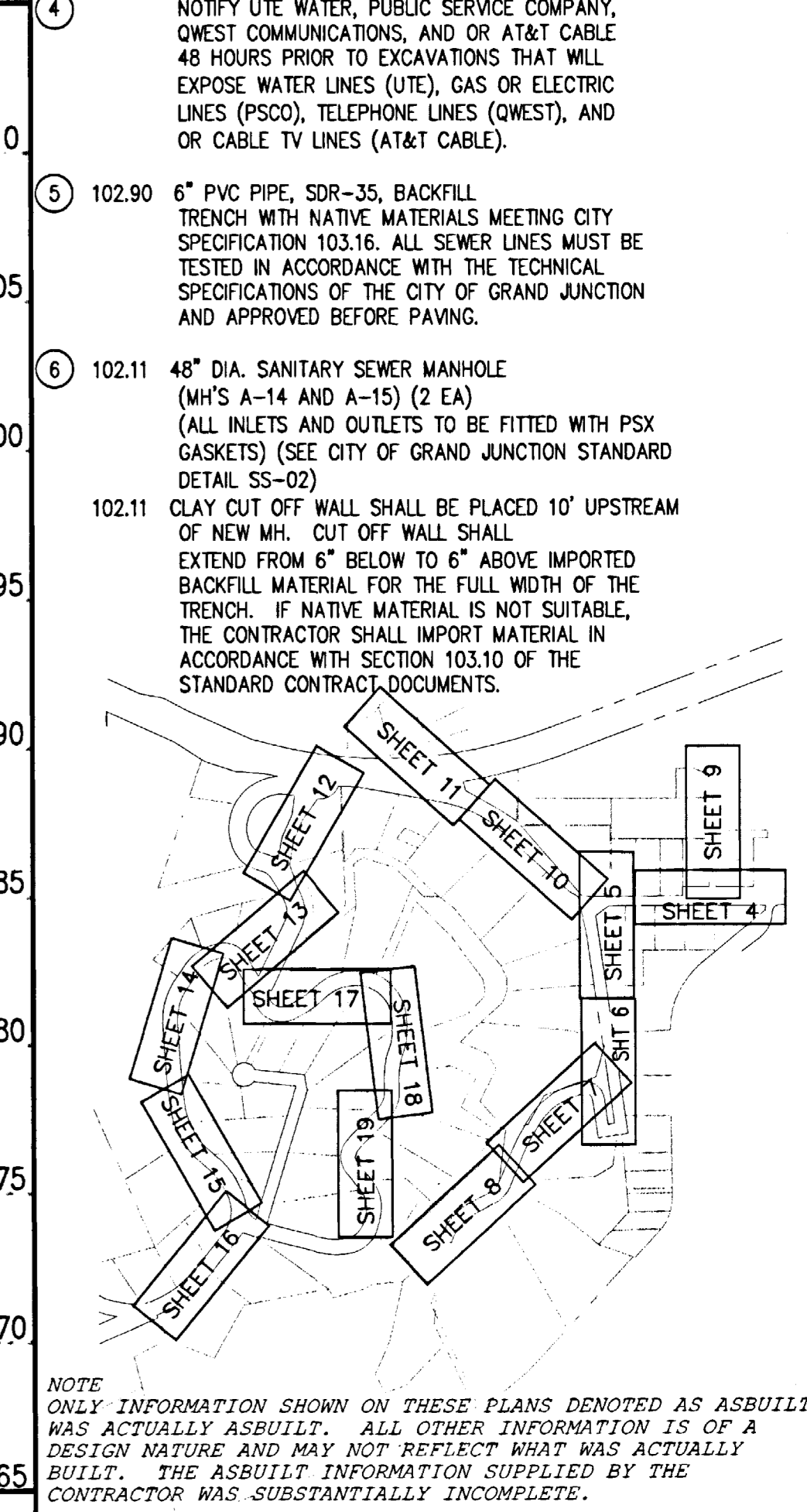
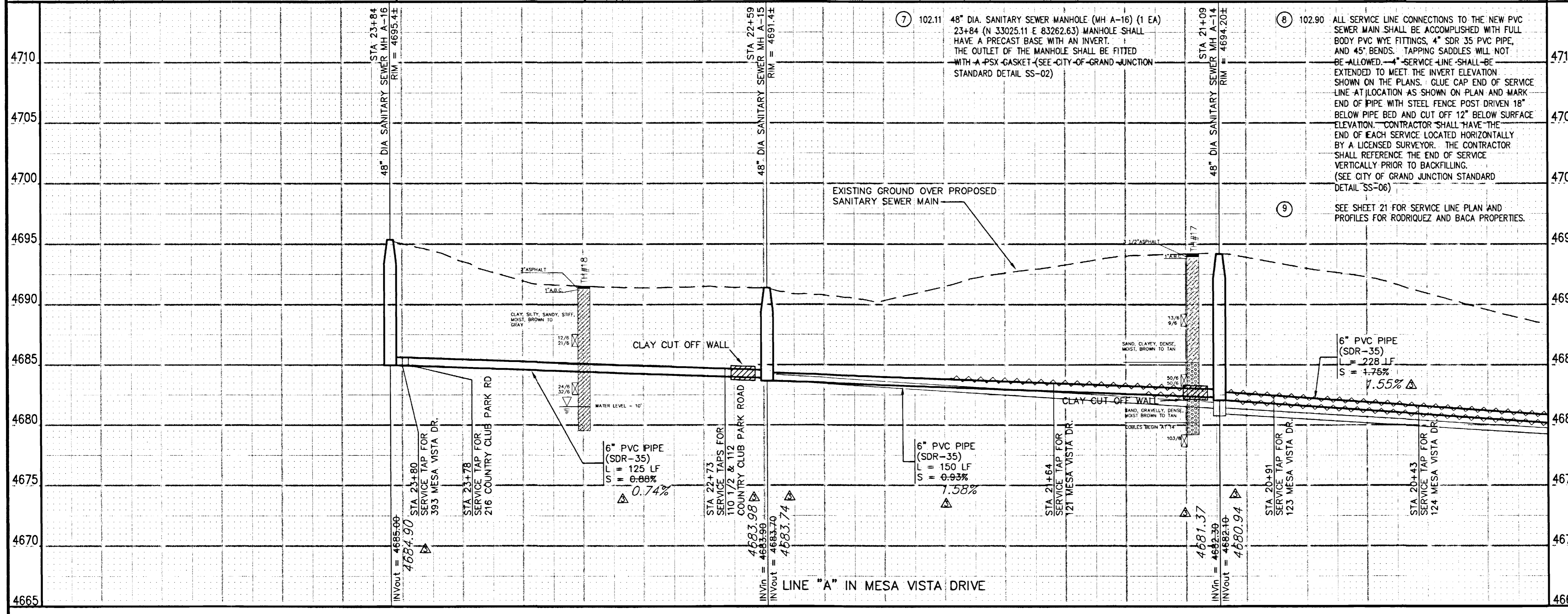
REVISION REVISION Δ ASBUILT REVISION Δ 10-02	DESCRIPTION DATE DATE DATE	DRAWN BY JCS DATE 2001 DESIGNED BY JCS/SBG DATE 2001 CHECKED BY SBG DATE 2001 APPROVED BY _____ DATE _____	SCALE PLAN 1"=20' PROFILE HORIZ. 1"=20' VERT. 1"=5'	DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING AND TECHNICAL SERVICES DIVISIONS CITY OF GRAND JUNCTION, COLORADO	COUNTRY CLUB PARK # 2 SEWER IMPROVEMENT DISTRICT SANITARY SEWER PLAN AND PROFILES A LINE STA 15+00 TO STA 20+00	7
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△ TEMPORARY CONTROL
 N 33165.58
 E 83448.63
 80 PENNY NAIL AT 21+37±, 20'± LT.

PROJECT NO. 906-F48204
 DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS



- CONSTRUCTION NOTES
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
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 - 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
 - PROTECT EXISTING IRRIGATION LINES IN PLACE IF FIELD CONDITIONS PERMIT. IF FIELD CONDITIONS MAKE LINE REPLACEMENT NECESSARY AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE IRRIGATION LINES AS NEEDED TO INSTALL NEW SEWER. COORDINATE ALL ACTIVITIES WITH RESPECT TO IRRIGATION WORK WITH COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448.
 - NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AND/OR AT&T CABLE 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), AND/OR CABLE TV LINES (AT&T CABLE).
 - 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
 - 48" DIA. SANITARY SEWER MANHOLE (MH'S A-14 AND A-15) (2 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
 - CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.



NOTE: ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS ASBUILT WAS ACTUALLY ASBUILT. ALL OTHER INFORMATION IS OF A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.

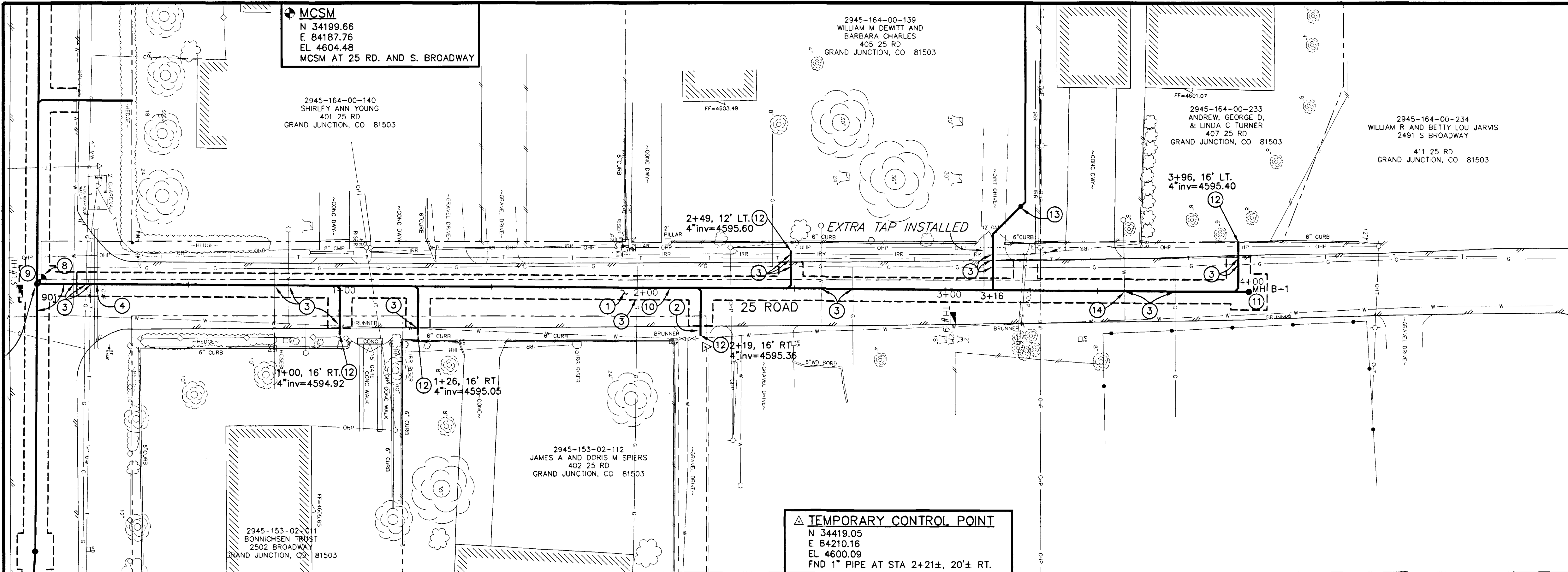
REVISION △	DESCRIPTION	DATE	DRAWN BY JCS	DATE 2001	SCALE PLAN PROFILE HORIZ. 1"=20' HORIZ 1"=20' VERT. 1"=5'
REVISION △			DESIGNED BY JCS/SBG	DATE 2001	
REVISION △	ASBUILT	10-02	CHECKED BY SBG	DATE 2001	
			APPROVED BY	DATE	

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

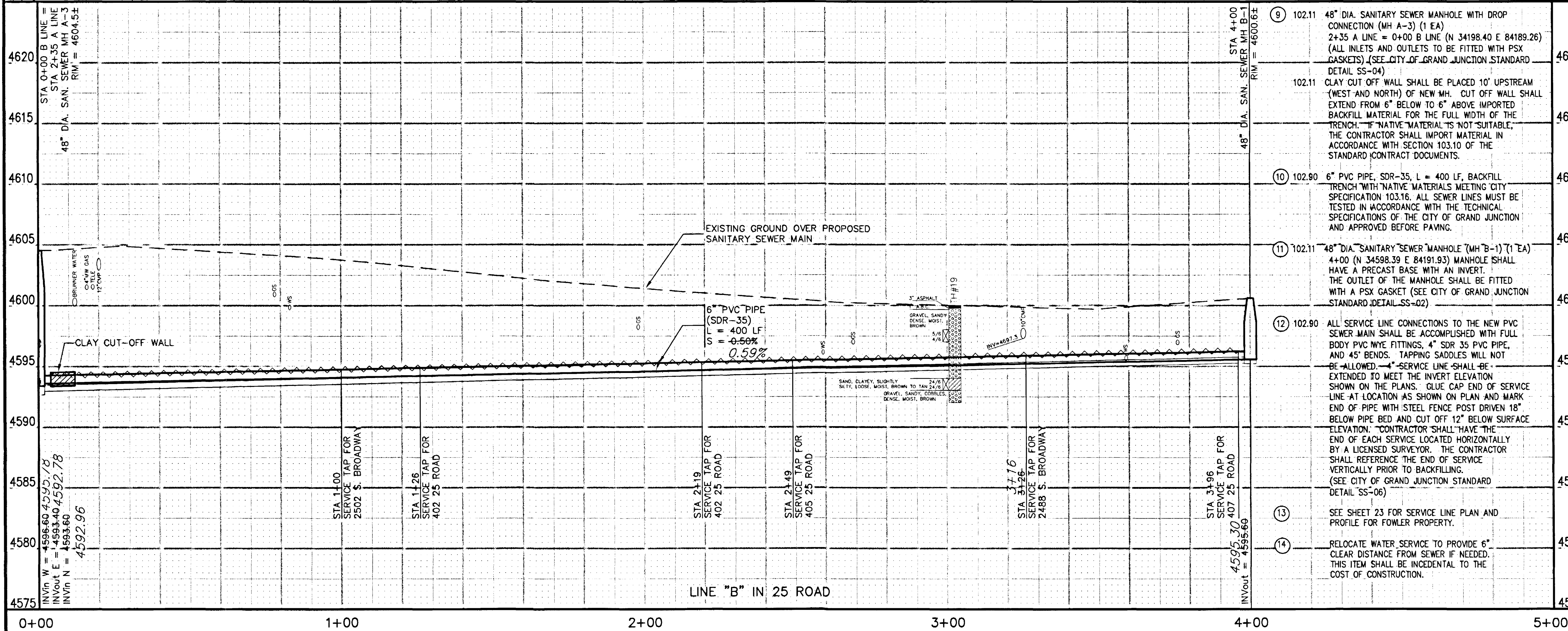
COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 A LINE STA 20+00 TO STA 25+00

PROJECT NO. 906-F48204
 DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS

1 inch = 20 ft.



- CONSTRUCTION NOTES**
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
 - 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
 - 401.00 HOT BITUMINOUS ASPHALT PATCH, (OR C, 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
 - 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE AFTER COMPLETION OF SEWER INSTALLATION.
 - NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, REDLANDS WATER AND POWER COMPANY AND OR BRUNNER WATER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), IRRIGATION LINES (REDLANDS W&P), AND OR BRUNNER WATER LINES.
 - PROTECT EXISTING 12" CMP CULVERT IN PLACE IF PIPE CONDITION PERMITS. IF PIPE IS IN BAD CONDITION AND PROJECT ENGINEER AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE PIPE AS NEEDED TO INSTALL NEW SEWER.
 - NOT USED
 - NOT USED
 - NOT USED
 - 210.00 RESET SURVEY MONUMENT TO MEET MESA COUNTY SURVEY MONUMENT SPECIFICATIONS. MONUMENT MUST BE RESET BY A SURVEYOR LICENSED IN THE STATE OF COLORADO. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL ST-17)

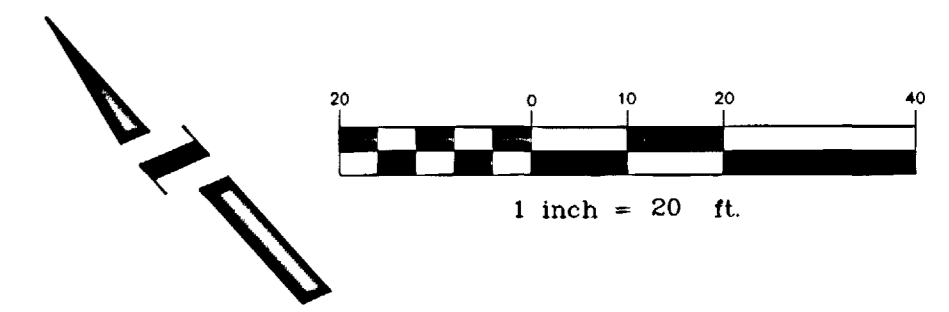


- 102.11 48" DIA. SANITARY SEWER MANHOLE WITH DROP CONNECTION (MH A-3) (1 EA) 2+35 A LINE = 0+00 B LINE (N 34198.40 E 84189.26) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-04)
 - 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (WEST AND NORTH) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF "NATIVE" MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
 - 102.90 6" PVC PIPE, SDR-35, L = 400 LF, BACKFILL TRENCH WITH "NATIVE" MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
 - 102.11 48" DIA. SANITARY SEWER MANHOLE (MH B-1) (1 EA) 4+00 (N 34598.39 E 84191.93) MANHOLE SHALL HAVE A PRECAST BASE WITH AN INVERT. THE OUTLET OF THE MANHOLE SHALL BE FITTED WITH A PSX GASKET (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
 - 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
 - SEE SHEET 23 FOR SERVICE LINE PLAN AND PROFILE FOR FOWLER PROPERTY.
 - RELOCATE WATER SERVICE TO PROVIDE 6" CLEAR DISTANCE FROM SEWER IF NEEDED. THIS ITEM SHALL BE INCIDENTAL TO THE COST OF CONSTRUCTION.
-
- NOTE: ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS ASBUILT WAS ACTUALLY ASBUILT. ALL OTHER INFORMATION IS OF A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ			JCS	2001	PLAN 1"=20' PROFILE 1"=5'
REVISION Δ			JCS/SBG	2001	
REVISION Δ	ASBUILT	10-02	SBG	2001	
REVISION Δ					

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

**COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 B LINE STA 0+00 TO STA 5+00**

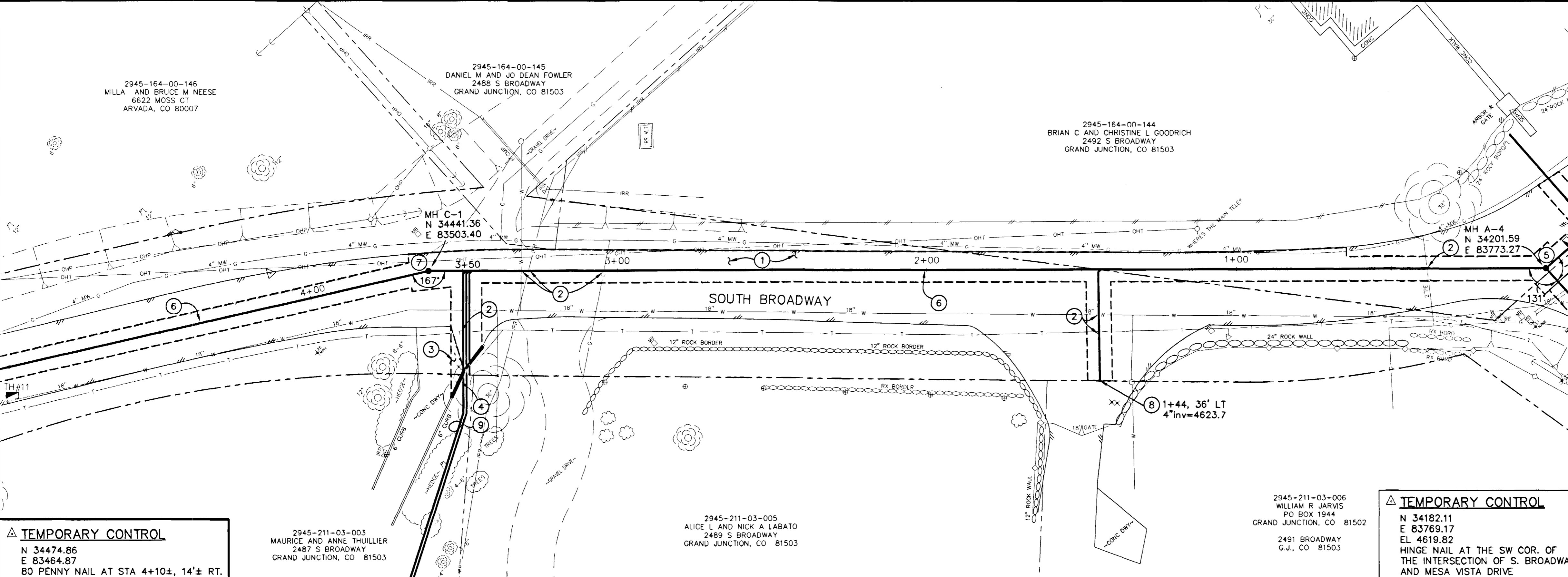


CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELOUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 50 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- ③ 202.00 CONCRETE REMOVAL REMOVE CONCRETE TO LIMITS AS SHOWN.
- 608.00 CONCRETE DRIVEWAY SECTION (RESIDENTIAL) PATCH CONCRETE DRIVEWAY IN KIND AS SHOWN.
- ④ 202.00 CONCRETE CURB REMOVAL (18 LF)
- 608.00 CONCRETE CURB. PATCH CONCRETE CURB IN KIND. (18 LF)
- ⑤ 102.11 48" DIA. SANITARY SEWER MANHOLE WITH DROP CONNECTION (MH A-4) (1 EA)
6+51 A LINE = 0+00 C LINE (N 34201.59 E 83773.27) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-04)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (SOUTH AND WEST) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑥ 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.

SEE SHEET NO. 11

MATCH LINE



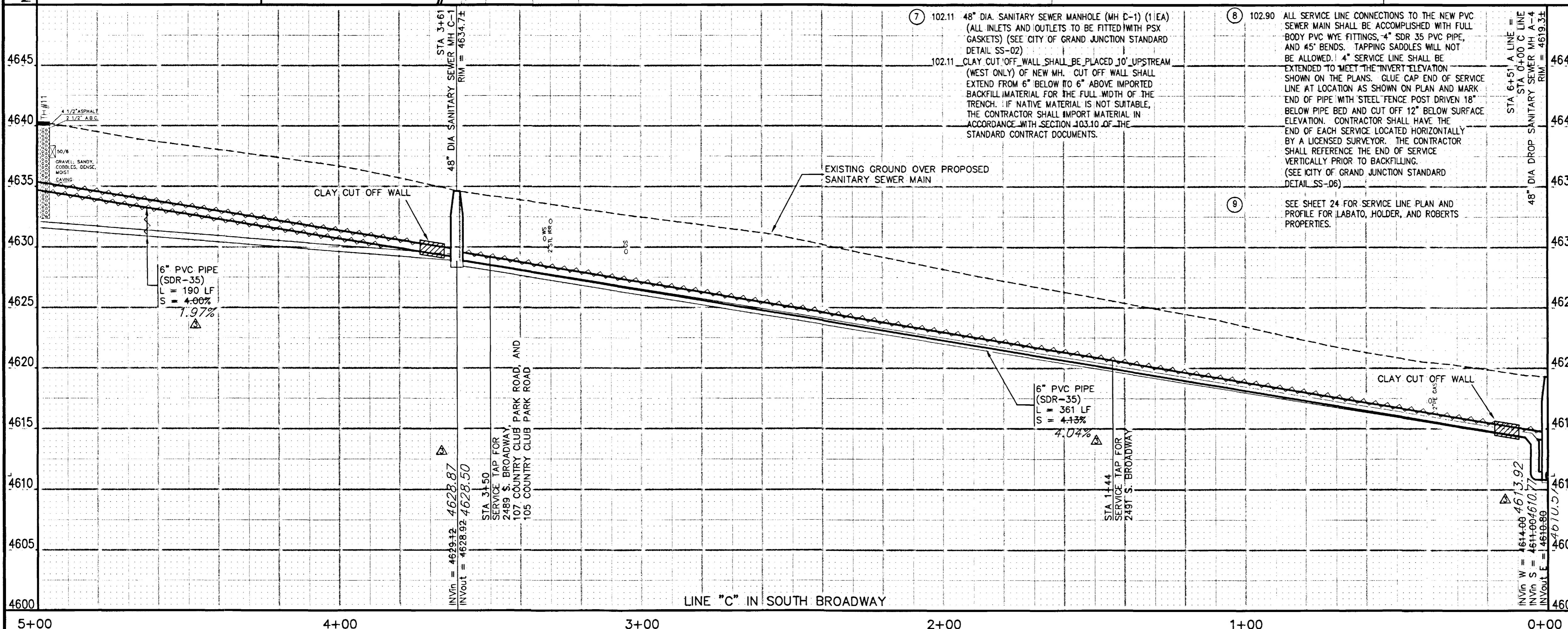
△ TEMPORARY CONTROL
N 34474.86
E 83464.87
80 PENNY NAIL AT STA 4+10±, 14'± RT.

2945-211-03-003
MAURICE AND ANNE THULLIER
2487 S BROADWAY
GRAND JUNCTION, CO 81503

2945-211-03-005
ALICE L AND NICK A LABATO
2489 S BROADWAY
GRAND JUNCTION, CO 81503

2945-211-03-006
WILLIAM R JARVIS
PO BOX 1944
GRAND JUNCTION, CO 81502

△ TEMPORARY CONTROL
N 34182.11
E 83769.17
EL 4619.82
HINGE NAIL AT THE SW COR. OF THE INTERSECTION OF S. BROADWAY AND MESA VISTA DRIVE

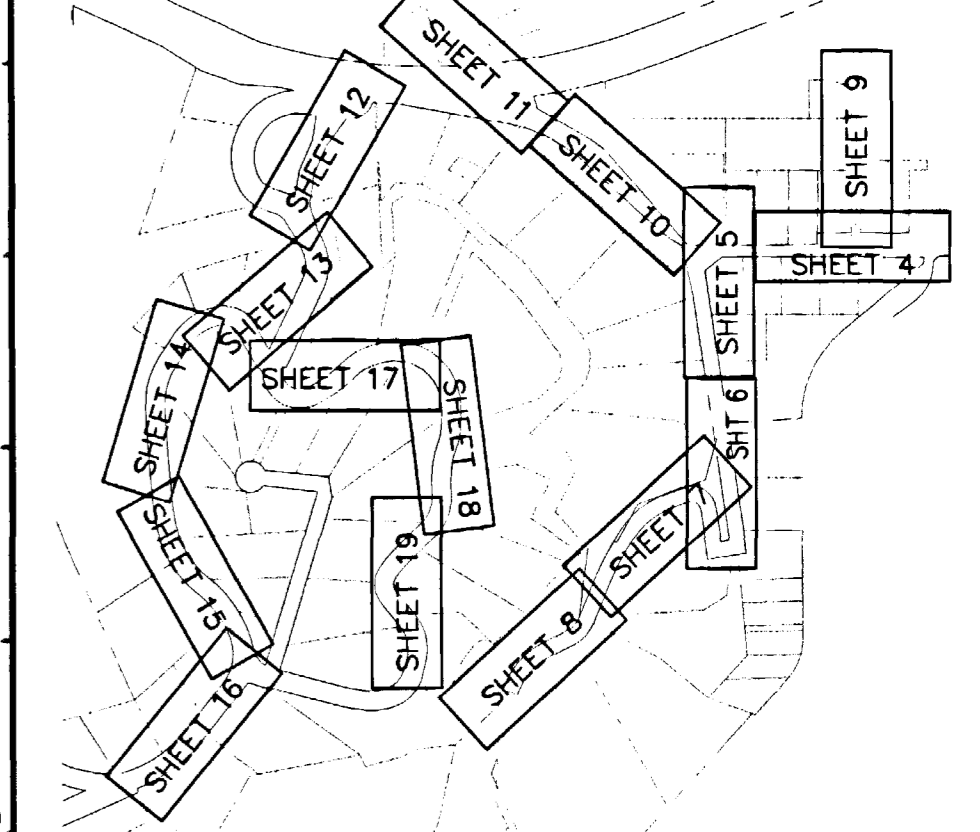


⑦ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH C-1) (1 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)

102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (WEST ONLY) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.

⑧ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLOBE END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)

⑨ SEE SHEET 24 FOR SERVICE LINE PLAN AND PROFILE FOR LABATO, HOLDER, AND ROBERTS PROPERTIES.



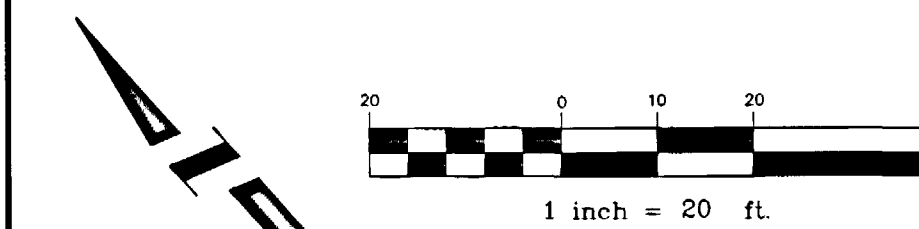
NOTE
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A			JCS	2001	PLAN 1"=20' PROFILE 1"=5'
REVISION B			JCS/SBG	2001	
REVISION C			SBG	2001	
REVISION D	ASBUILT	10-02			

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

COUNTRY CLUB PARK # 2
SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
C LINE STA 0+00 TO STA 5+00

DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS



CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 50 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- ③ 202.00 CONCRETE REMOVAL. REMOVE CONCRETE TO LIMITS AS SHOWN.
- 608.00 CONCRETE DRIVEWAY SECTION (RESIDENTIAL) PATCH CONCRETE DRIVEWAY IN KIND AS SHOWN.
- ④ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ⑤ 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑥ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH C-2) (1 EA) MANHOLE SHALL HAVE A PRECAST BASE WITH AN INVERT. THE OUTLET OF THE MANHOLE SHALL BE FITTED WITH A PSX GASKET (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)

△ CONTROL POINT
 N 34588.04
 E 83351.38
 EL 4634.73
 CDOT MONUMENT/ROW MARKER

2945-164-08-027
 LORI L HANES
 405 W MAYFIELD DR
 GRAND JUNCTION, CO 81503

2945-164-00-146
 MILLA AND BRUCE W NEESE
 6622 MOSS CT
 ARVADA, CO 80007

2945-164-08-028
 DAVID J AND JAN M MARYE
 407 W MAYFIELD DR
 GRAND JUNCTION, CO 81503

SOUTH BROADWAY

CO. STATE HWY. 340

SEE SHEET 11A AND 11B FOR CONTINUATION OF SEWER TO COUNTRY CLUB PARK ROAD

MH C-2
 N 34533.22
 E 83337.08

5+85, 40' LT.
 4" inv=4641.3
 SEE SHT 21

2945-211-03-002
 DEBORAH L AND KELLY W EISEMANN
 2483 S BROADWAY
 GRAND JUNCTION, CO 81503

2945-211-03-003
 MAURICE AND ANNE THUILLIER
 2487 S BROADWAY
 GRAND JUNCTION, CO 81503

⑦ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC W/ FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)

⑧ SEE SHEET 21 FOR SERVICE LINE PLAN AND PROFILE FOR ERIKSEN PROPERTY.

EXISTING GROUND OVER PROPOSED SANITARY SEWER MAIN

SEE SHEET 11A AND 11B FOR CONTINUATION OF SEWER TO COUNTRY CLUB PARK ROAD

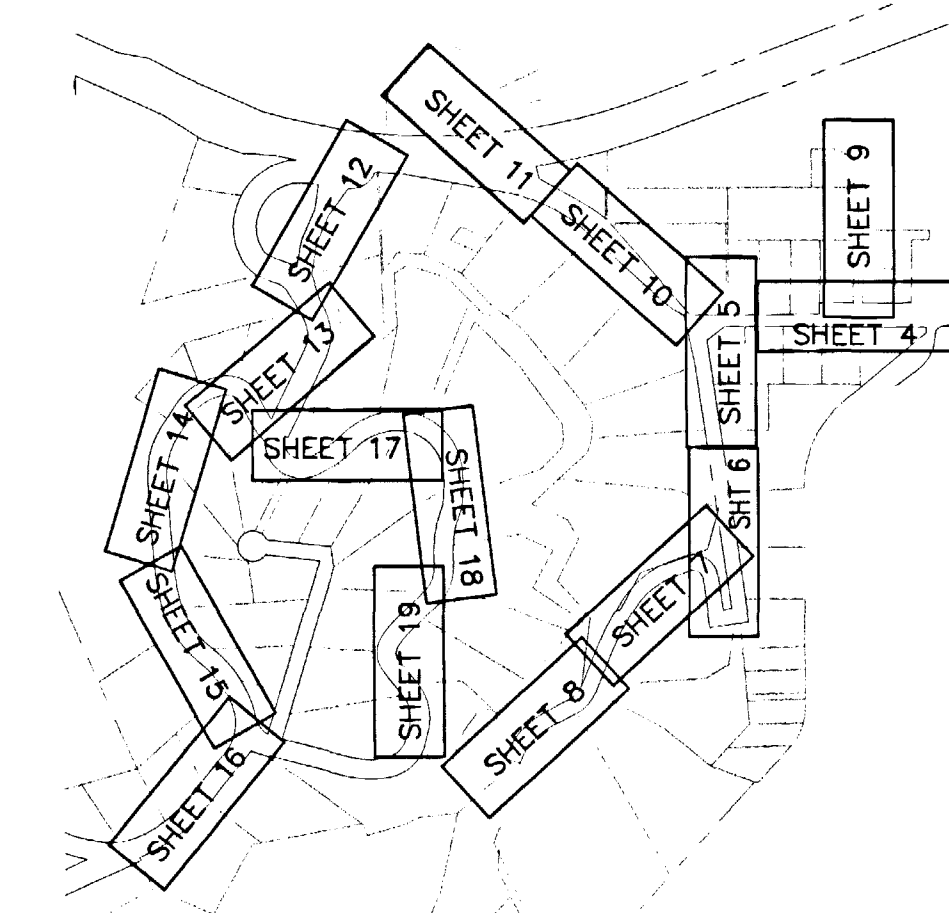
6" PVC PIPE (SDR-35)
 L = 190 LF
 S = 4.00%
 Δ = 1.97%

STA 5+47
 SERVICE TAPS FOR 2483 & 2483 1/2 S. BROADWAY

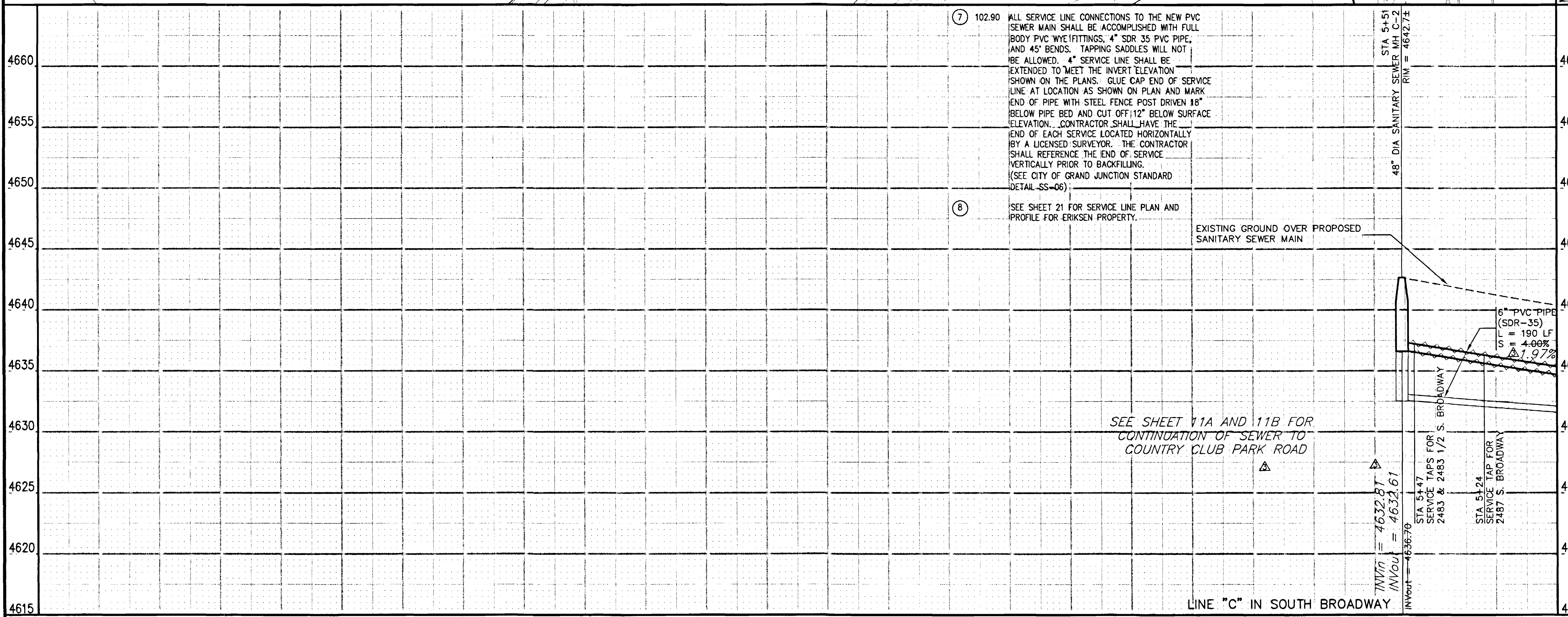
STA 5+24
 SERVICE TAP FOR 2487 S. BROADWAY

INVERT = 4632.81
 INVERT = 4632.61
 INVERT = 4636.70

LINE "C" IN SOUTH BROADWAY



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REVISION Δ	DESCRIPTION	DATE	DRAWN BY JCS	DATE 2001	SCALE
REVISION Δ	ASBUILT	10-02	DESIGNED BY JCS/SBG	DATE 2001	PLAN 1"=20' PROFILE 1"=5'
REVISION Δ			CHECKED BY SBG	DATE 2001	
REVISION Δ			APPROVED BY	DATE	

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

COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 C LINE STA 5+00 TO STA 10+00

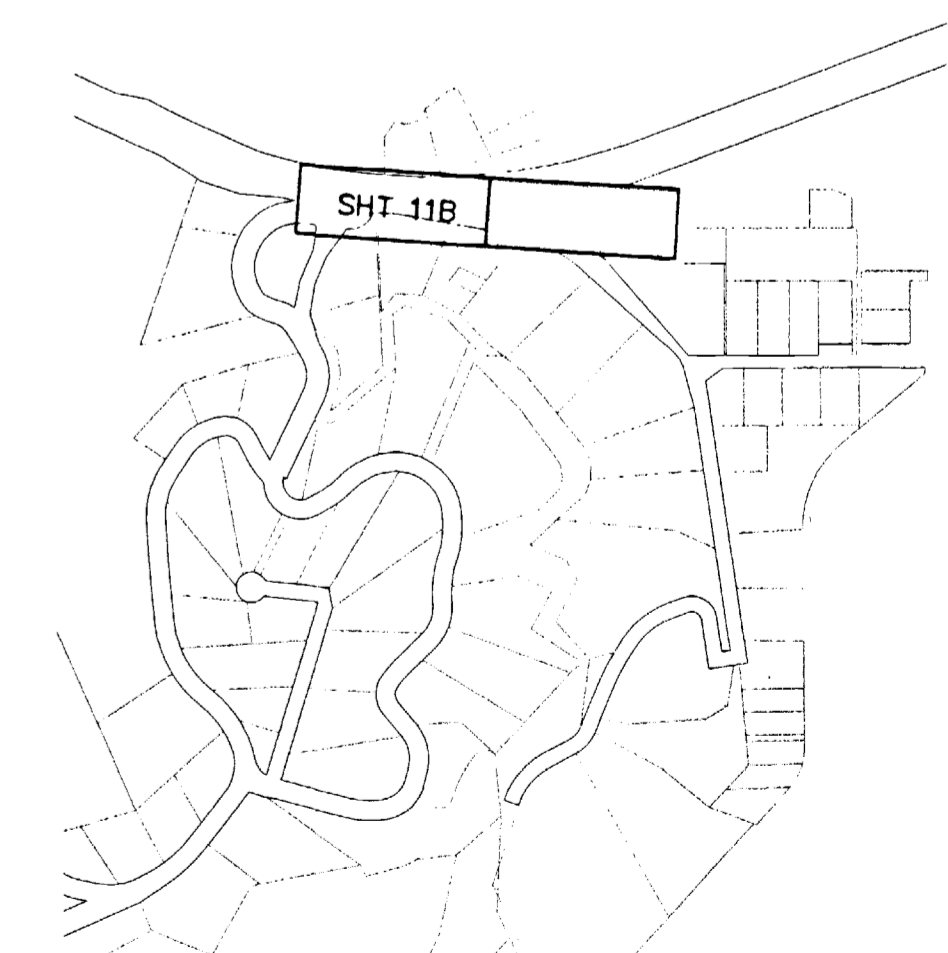
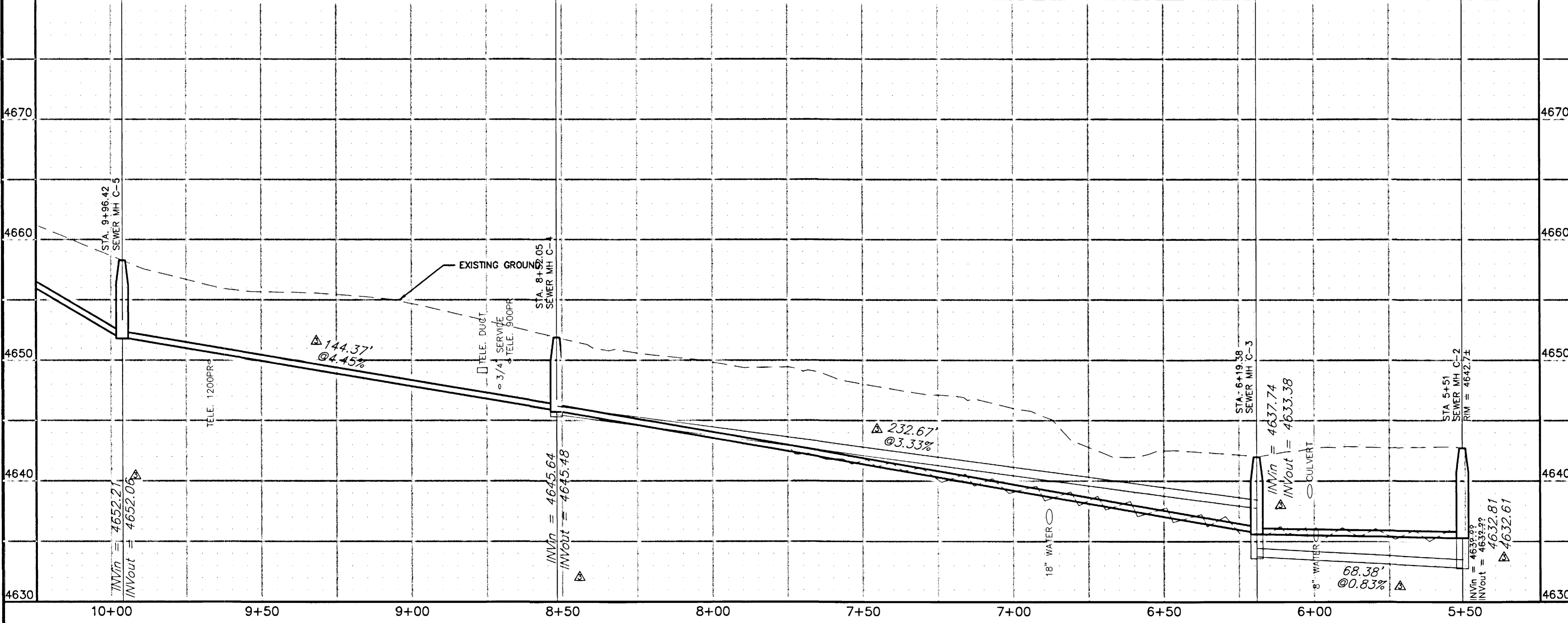
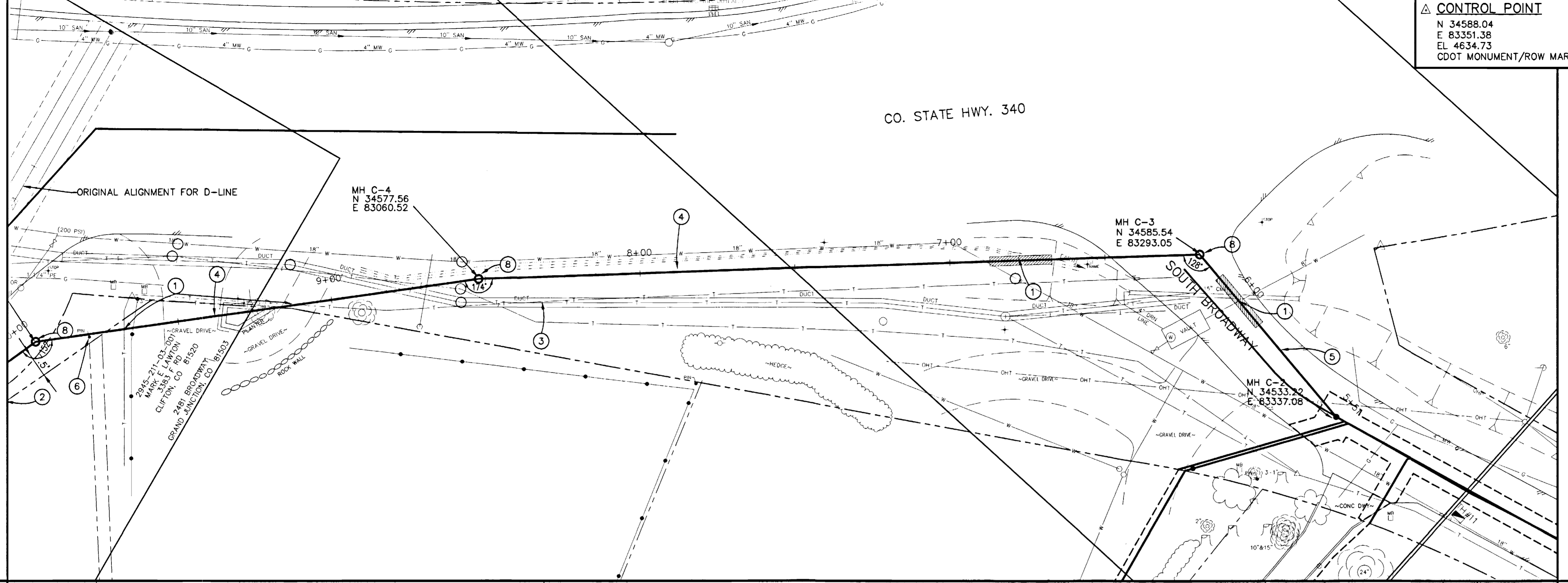
△ CONTROL POINT
 N 34588.04
 E 83351.38
 EL 4634.73
 CDOT MONUMENT/ROW MARKER

PROJECT NO. 906-F48204
 DRAWING STATUS:
 ○ PROGRESS
 ○ BID SET
 ● FINAL CONSTRUCTION DRAWINGS



CONSTRUCTION NOTES

- ① CONTRACTOR SHALL POthOLE TO VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION OF C-LINE FROM MH C-2 TO MH D-3.
- ② LIMIT OF UTILITY EASEMENT.
- ③ PROTECT EXISTING UTILITIES IN PLACE.
- ④ 102.9 6" C-900 PVC PIPE (SDR-25) WITH MEGA-LUG JOINT RESTRAINT. USE MEGA-LUG AND MJ GLAND WITH ALL-THREAD AND NUTS PER 102.8C OF THE CITY OF GRAND JUNCTION STANDARDS AND CONSTRUCTION SPECIFICATIONS.
- ⑤ 102.9 6" PVC PIPE, SDR-35.
- ⑥ PROTECT PROPERTY PIN IN PLACE.
- ⑦ 104.4 PROVIDE CONCRETE ENCASUREMENT OF SEWER LINE 20.0 L.F., CENTERED ON WATER LINE.
- ⑧ 102.11 48" STANDARD MANHOLE. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02.
- ⑨ 102.11 48" STANDARD MANHOLE WITH DROP CONNECTION. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-04.
- ⑩ 104.4 CONCRETE CAP FROM SPRING LINE TO 6" ABOVE TOP OF SEWER PIPE. LONGITUDINAL #4 REBAR ALONG EACH SIDE OF SEWER PIPE (1 EACH SIDE) PROVIDE 2" CLEAR.
- ⑪ PROTECT EXISTING ROCK WALL IN PLACE.
- ⑫ CONTRACTOR SHALL REMOVE AND REPLACE EXISTING ROCK BORDER. SPECIAL CARE SHALL BE USED SO AS NOT TO DAMAGE THE EXISTING LANDSCAPE ROCKS.
- ⑬ REMOVE EXISTING TREE.



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LOCATION MAP

REVISION	DESCRIPTION	DATE
△	RE-ALIGN SEWER MAIN MHC-2 TO MHD-3	9/24/01
△	RE-ALIGN SEWER MAIN MHC-2 TO MHD-3	11/15/01
△	ASBUILT	10-02

DRAWN BY	JAH	DATE	2001
DESIGNED BY	SBG	DATE	2001
CHECKED BY	SBG	DATE	2001
APPROVED BY		DATE	

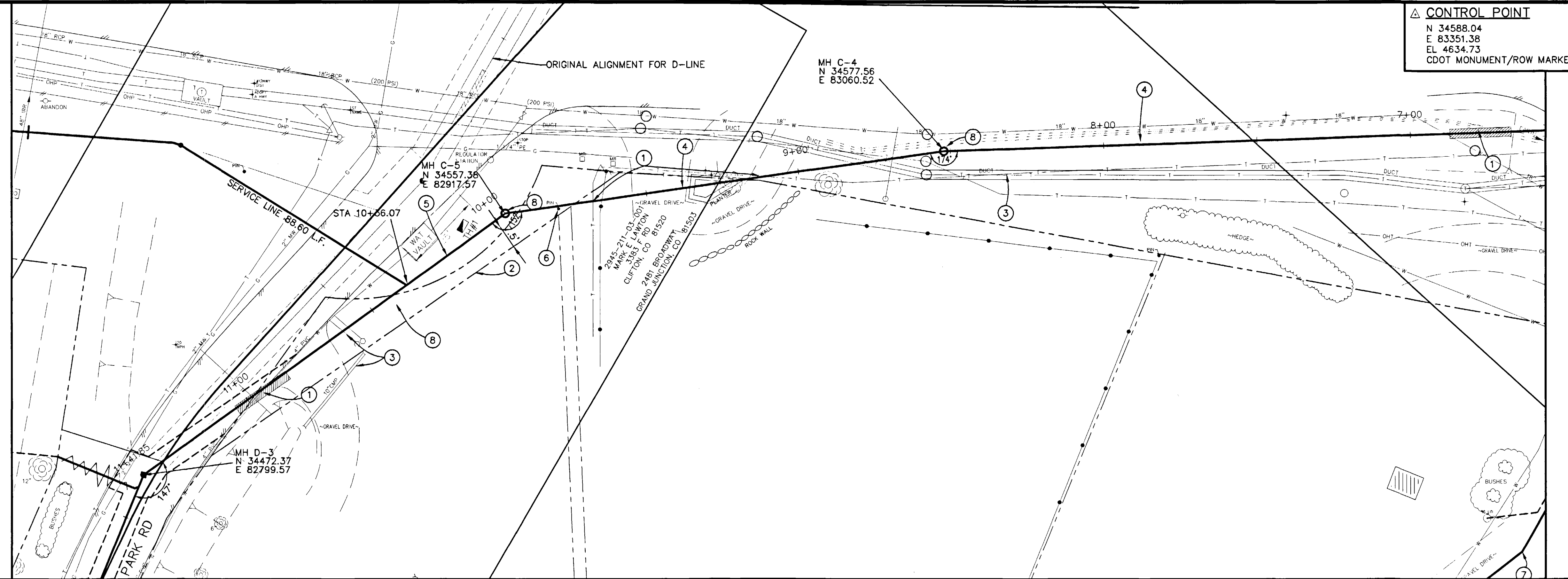
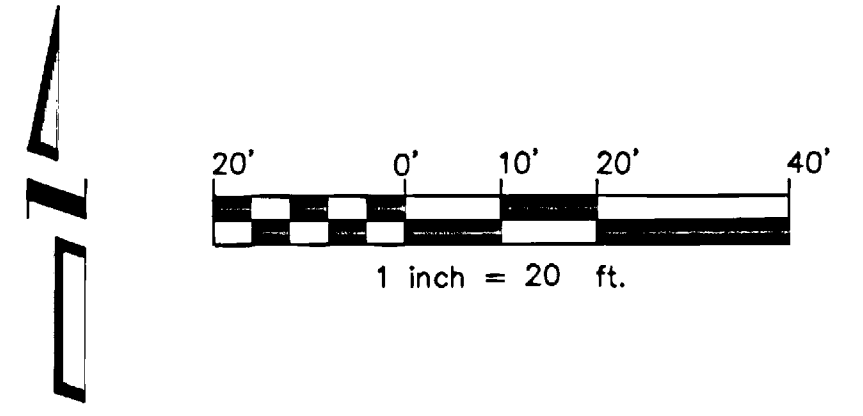
SCALE	
PLAN	1"=20'
PROFILE	1"=20'
	VERT. 1"=5'

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

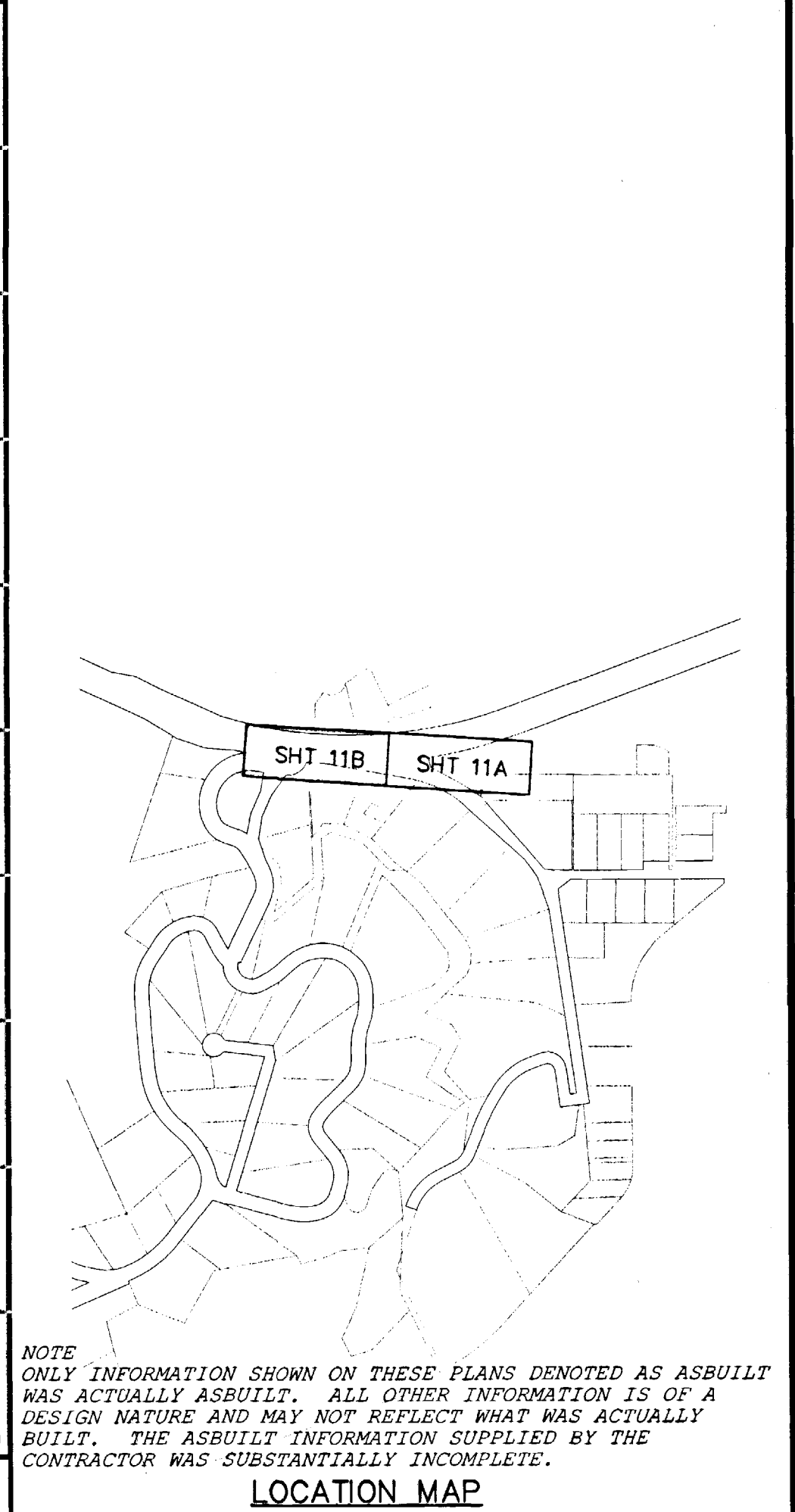
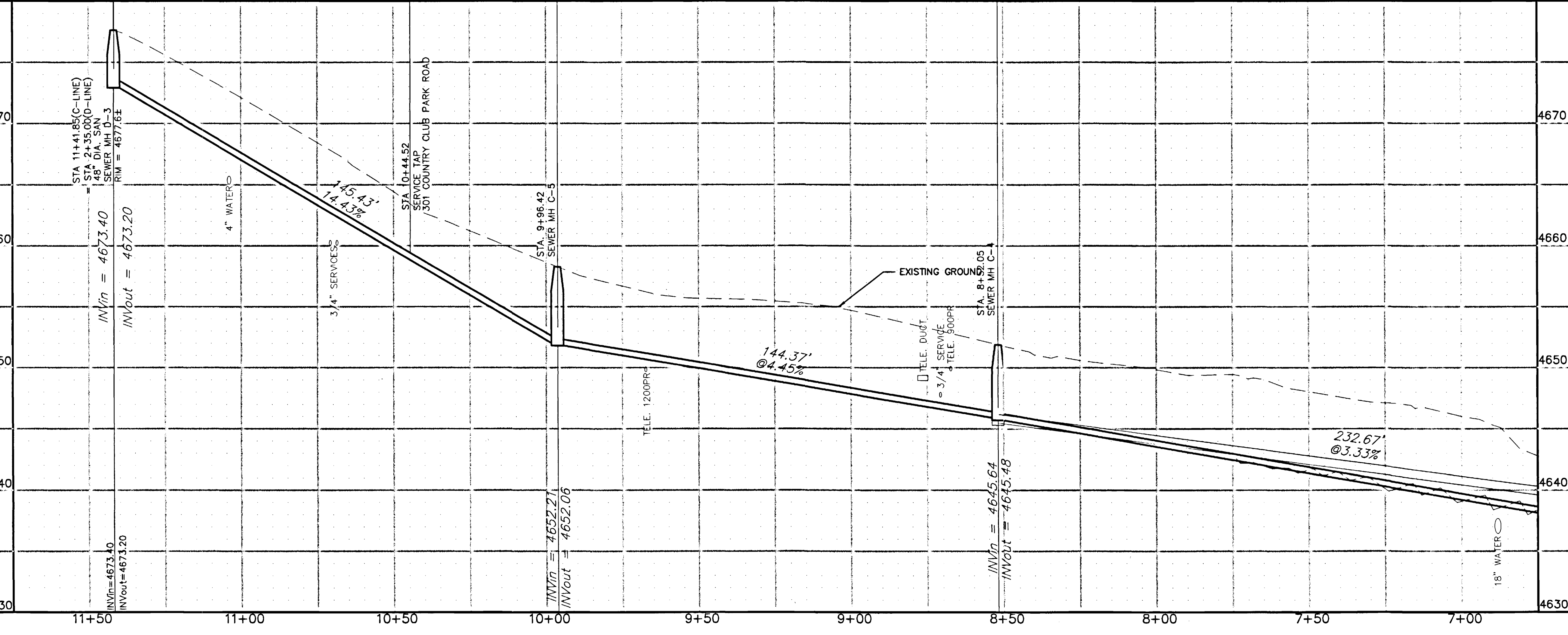
COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 C LINE STA 5+50 TO STA 10+25

△ CONTROL POINT
 N 34588.04
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 EL 4634.73
 CDOT MONUMENT/ROW MARKER

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 DRAWING STATUS:
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 ○ BID SET
 ● FINAL CONSTRUCTION DRAWINGS



- CONSTRUCTION NOTES
- ① CONTRACTOR SHALL POTHOLE TO VERIFY DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION OF C-LINE FROM MH C-2 TO MH D-3.
 - ② LIMIT OF UTILITY EASEMENT.
 - ③ PROTECT EXISTING UTILITIES IN PLACE.
 - ④ 102.9 6" C-900 PVC PIPE (SDR-25) WITH MEGA-LUG JOINT RESTRAINT. USE MEGA-LUG AND MJ GLAND WITH ALL-THREAD AND NUTS PER 102.8C OF THE CITY OF GRAND JUNCTION STANDARDS AND CONSTRUCTION SPECIFICATIONS.
 - ⑤ 102.9 6" PVC PIPE, SDR-35.
 - ⑥ PROTECT PROPERTY PIN IN PLACE.
 - ⑦ 104.4 PROVIDE CONCRETE ENCASUREMENT OF SEWER LINE 20.0 L.F., CENTERED ON WATER LINE.
 - ⑧ 102.11 48" STANDARD MANHOLE. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02.
 - ⑨ 102.11 48" STANDARD MANHOLE WITH DROP CONNECTION. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-04.



NOTE
 ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS ASBUILT WAS ACTUALLY ASBUILT. ALL OTHER INFORMATION IS OF A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.

REVISION	DESCRIPTION	DATE
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△		
△		
△		

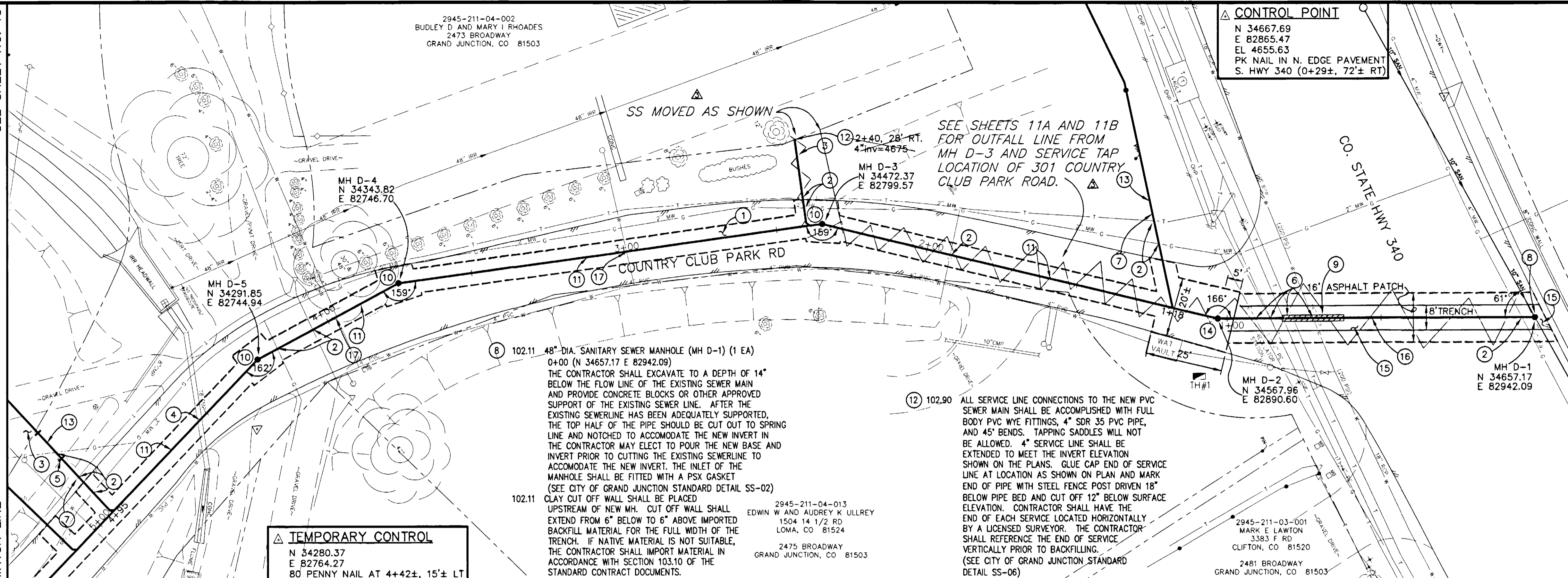
DRAWN BY JAH DATE 2001
 DESIGNED BY SBG DATE 2001
 CHECKED BY SBG DATE 2001
 APPROVED BY _____ DATE _____

SCALE
 PLAN 1"=20'
 PROFILE 1"=20'
 HORIZ. 1"=20'
 VERT. 1"=5'

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

COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 C LINE STA 6+75 TO STA 11+75

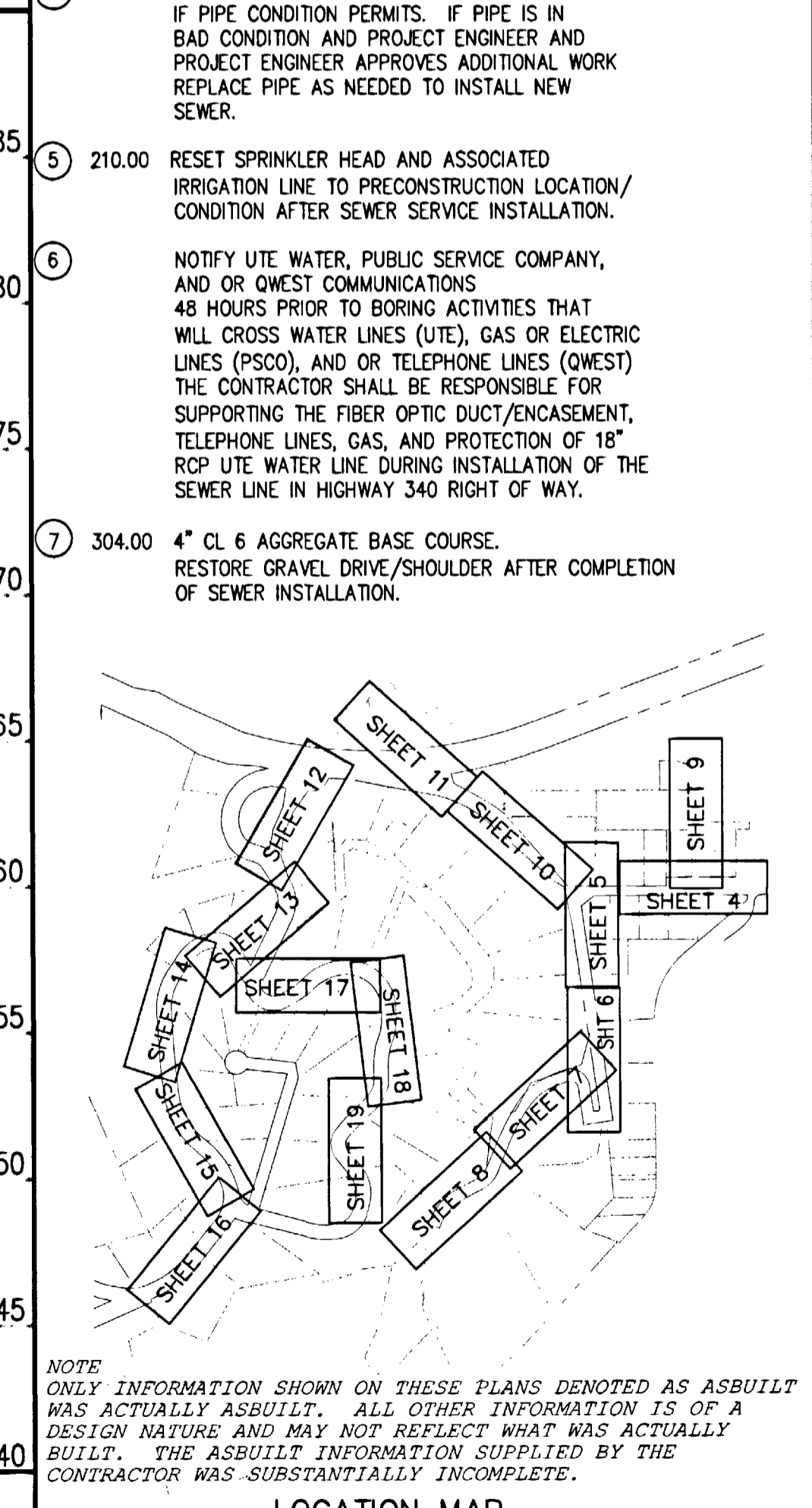
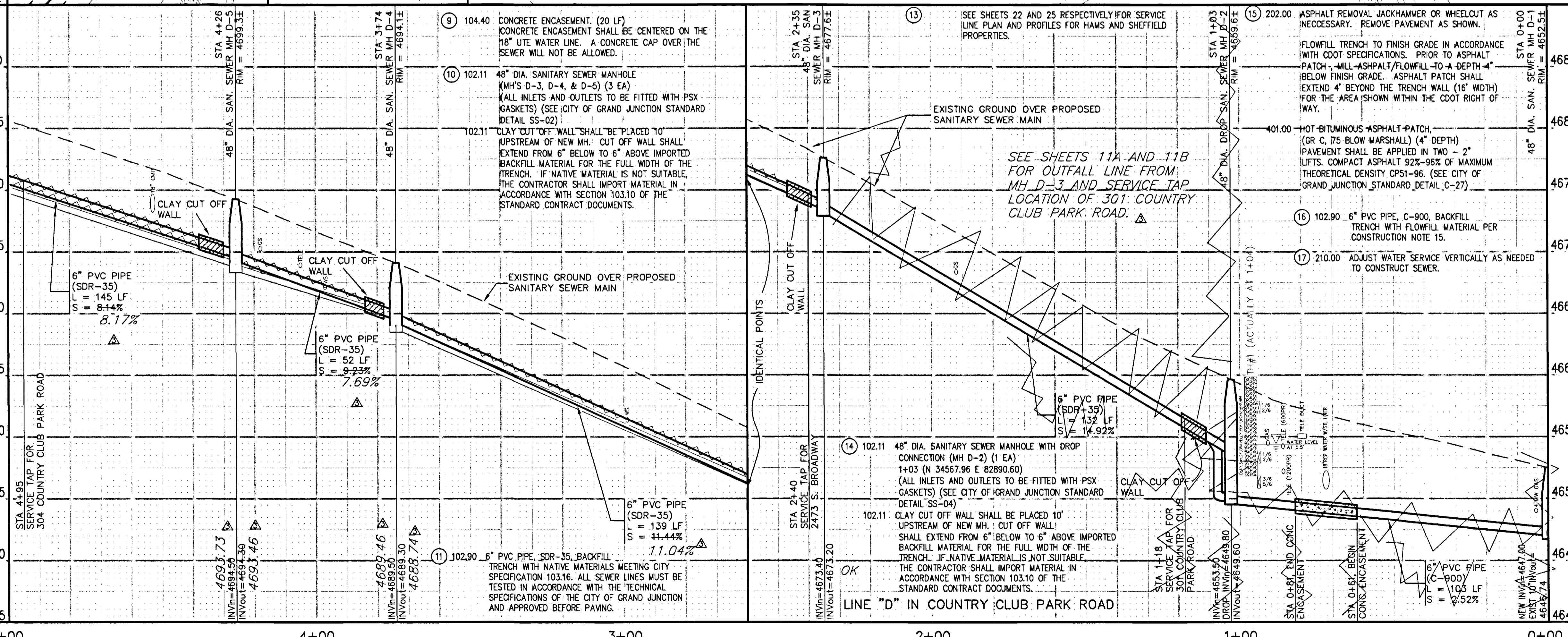
SEE SHEET NO. 13
MATCH LINE



PROJECT NO. 906-F48204
DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS

CONSTRUCTION NOTES

- 1 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- 2 NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- 3 210.00 RESTORE YARD TO PRECONSTRUCTION CONDITION.
- 4 PROTECT EXISTING 18" CMP CULVERT IN PLACE IF PIPE CONDITION PERMITS. IF PIPE IS IN BAD CONDITION AND PROJECT ENGINEER AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE PIPE AS NEEDED TO INSTALL NEW SEWER.
- 5 210.00 RESET SPRINKLER HEAD AND ASSOCIATED IRRIGATION LINE TO PRECONSTRUCTION LOCATION/CONDITION AFTER SEWER SERVICE INSTALLATION.
- 6 NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, AND OR QWEST COMMUNICATIONS 48 HOURS PRIOR TO BORING ACTIVITIES THAT WILL CROSS WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), AND OR TELEPHONE LINES (QWEST) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING THE FIBER OPTIC DUCT/ENCASEMENT, TELEPHONE LINES, GAS, AND PROTECTION OF 18" RCP UTE WATER LINE DURING INSTALLATION OF THE SEWER LINE IN HIGHWAY 340 RIGHT OF WAY.
- 7 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.



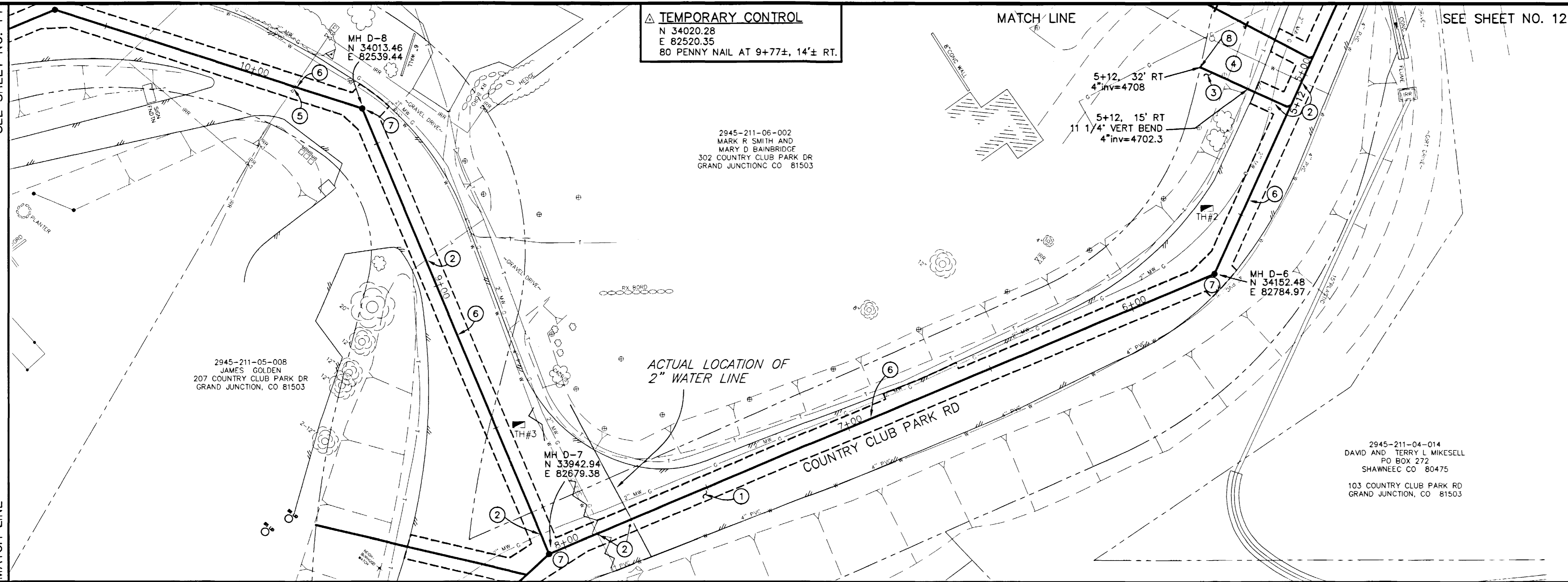
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	ASBUILT	10-02	JCS	2001
2			JCS/SBG	2001
3			SBG	2001
4				

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

SCALE
PLAN 1"=20'
PROFILE HORIZ. 1"=20'
VERT. 1"=5'

COUNTRY CLUB PARK # 2
SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
D LINE STA 0+00 TO STA 5+00

SEE SHEET NO. 14
MATCH LINE

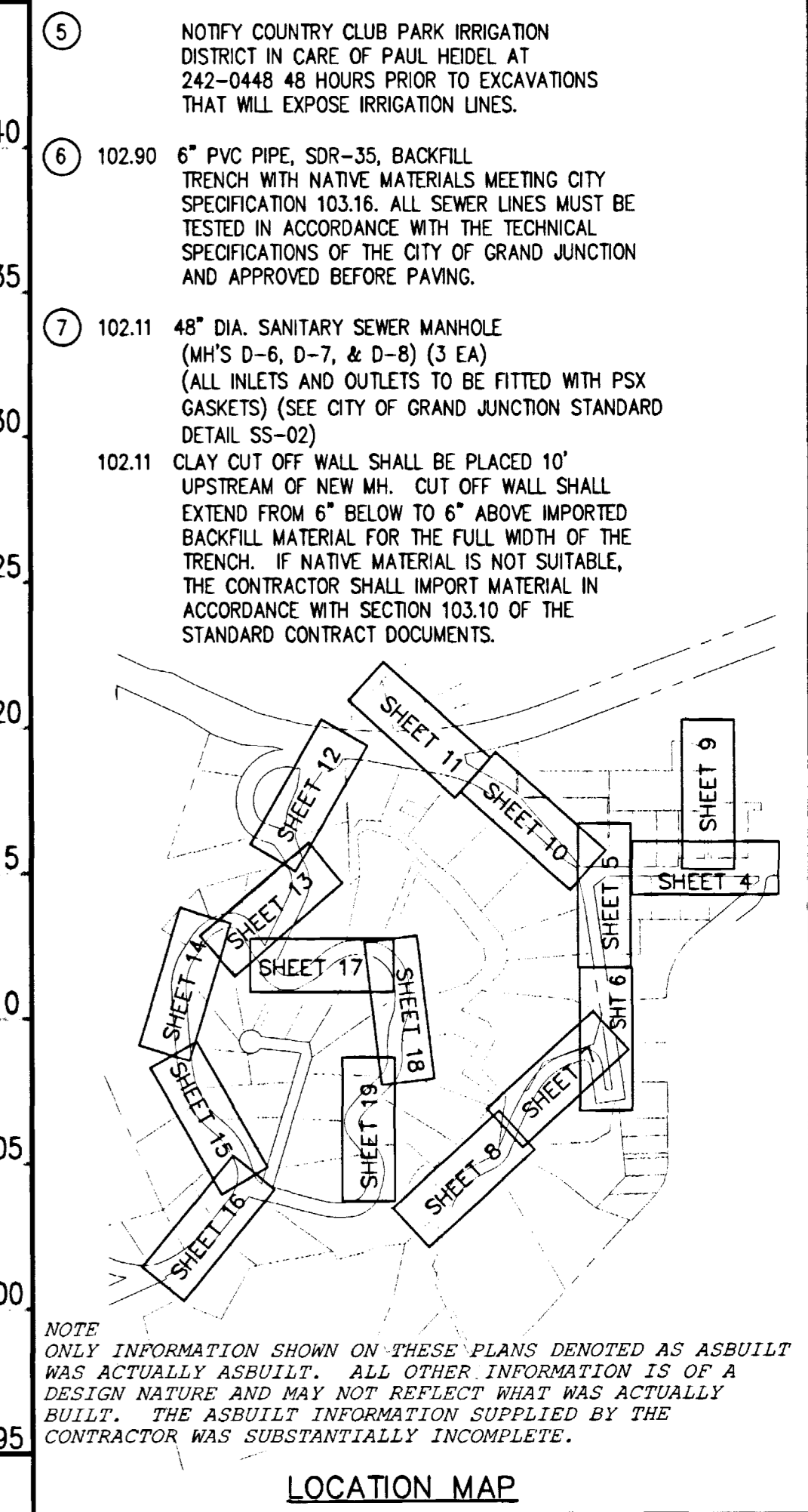
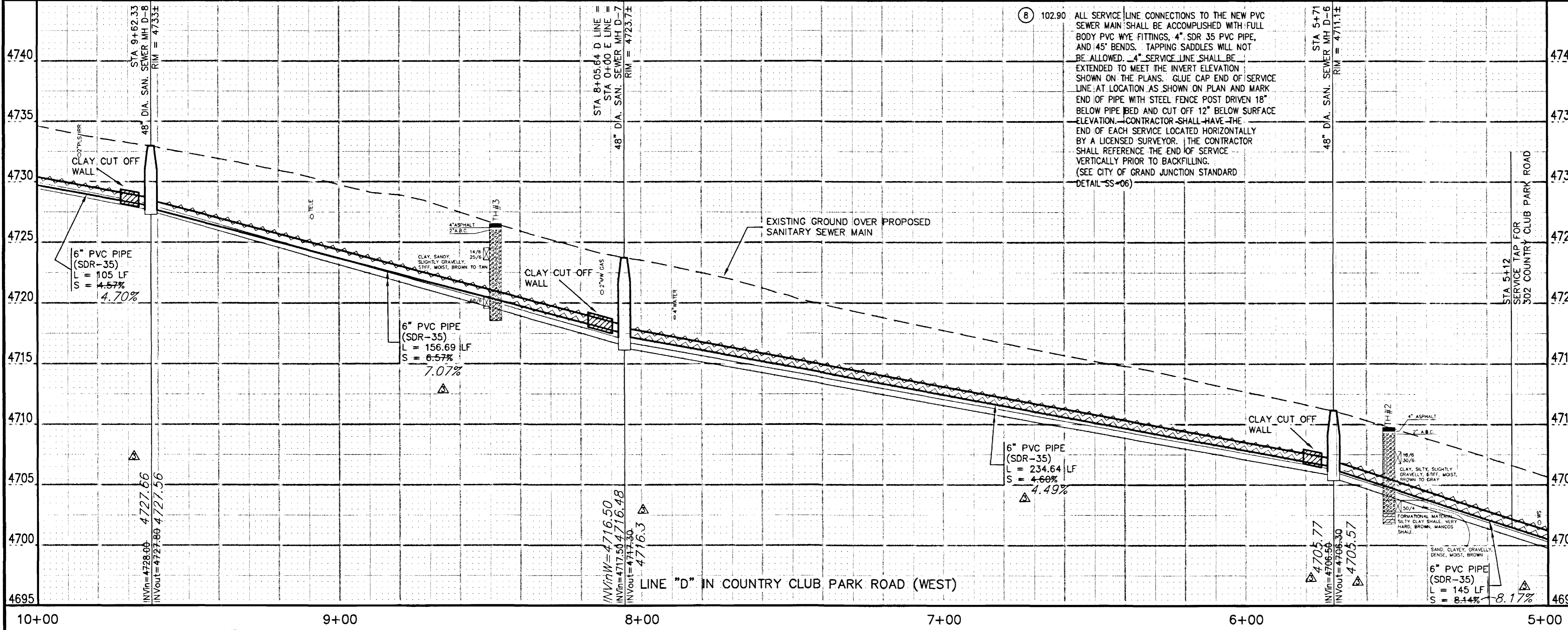


PROJECT NO. 906-F48204

DRAWING STATUS:
 PROGRESS
 BID SET
 FINAL CONSTRUCTION DRAWINGS

1 inch = 20 ft.

- CONSTRUCTION NOTES**
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
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 - NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AND/OR AT&T CABLE 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), AND OR CABLE TV LINES (AT&T CABLE).
 - 210.00 RESTORE YARD TO PRECONSTRUCTION CONDITION.
 - 210.00 RESET SPRINKLER HEAD AND ASSOCIATED IRRIGATION LINE TO PRECONSTRUCTION LOCATION/ CONDITION AFTER SEWER SERVICE INSTALLATION.
 - NOTIFY COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE IRRIGATION LINES.
 - 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
 - 102.11 48" DIA. SANITARY SEWER MANHOLE (MH'S D-6, D-7, & D-8) (3 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
 - 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ			JCS	2001	PLAN 1"=20'
REVISION Δ			JCS/SBG	2001	HORIZ. 1"=20'
REVISION Δ	ASBUILT	10-02	SBG	2001	VERT. 1"=5'
REVISION Δ					

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

COUNTRY CLUB PARK # 2
SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
D LINE STA 5+00 TO STA 10+00

13

SEE SHEET NO. 15

SEE SHEET NO. 13

PROPERTY PIN
 N 33581.03
 E 82397.78
 FND PROPERTY PIN W/CAP LS#16835
 (14+83±, 26'± LT)

2945-211-06-946
 IRRIGATION DISTRICT C/O
 PAUL HEDEL
 407 COUNTRY CLUB PARK DR
 GRAND JUNCTION, CO 81503

TEMPORARY CONTROL
 N 33861.58
 E 82362.06
 80 PENNY NAIL AT 12+03±, 21'± RT

2945-211-06-003
 LOLA JEAN HAMS
 PO BOX 1885
 GRAND JUNCTION, CO 81502
 304 COUNTRY CLUB PARK RD
 GRAND JUNCTION, CO 81503

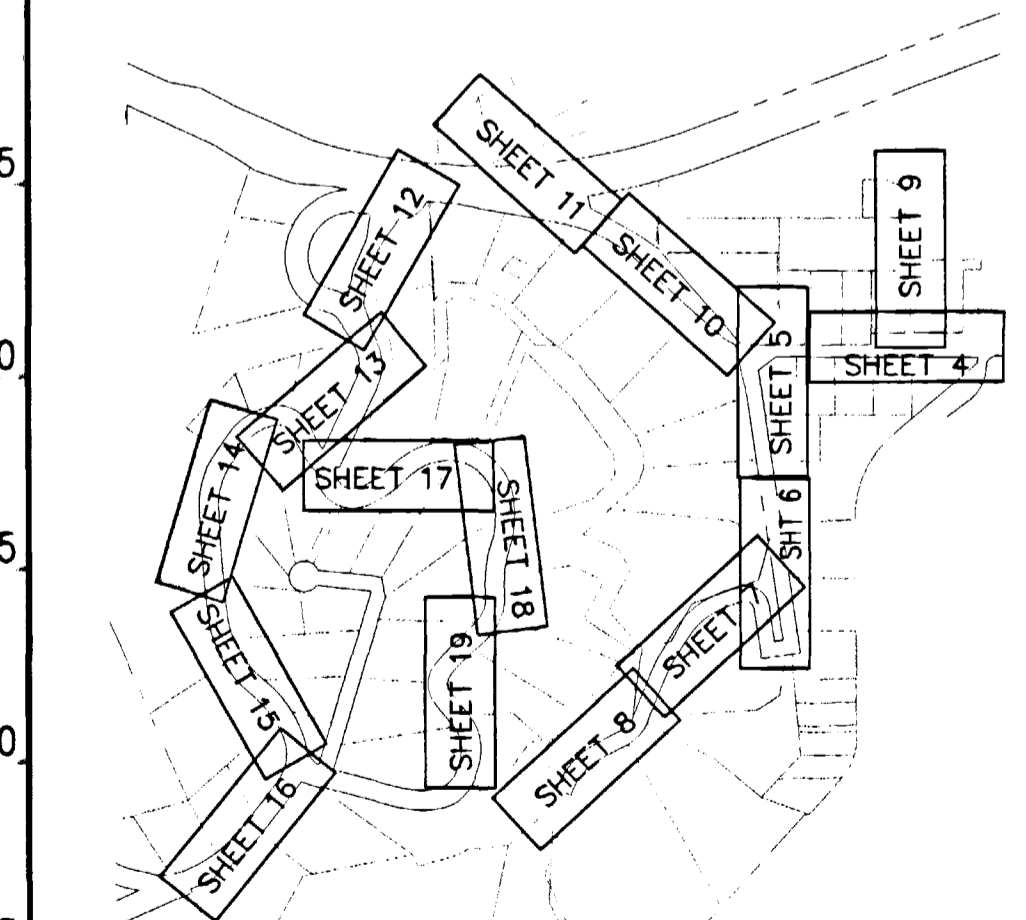
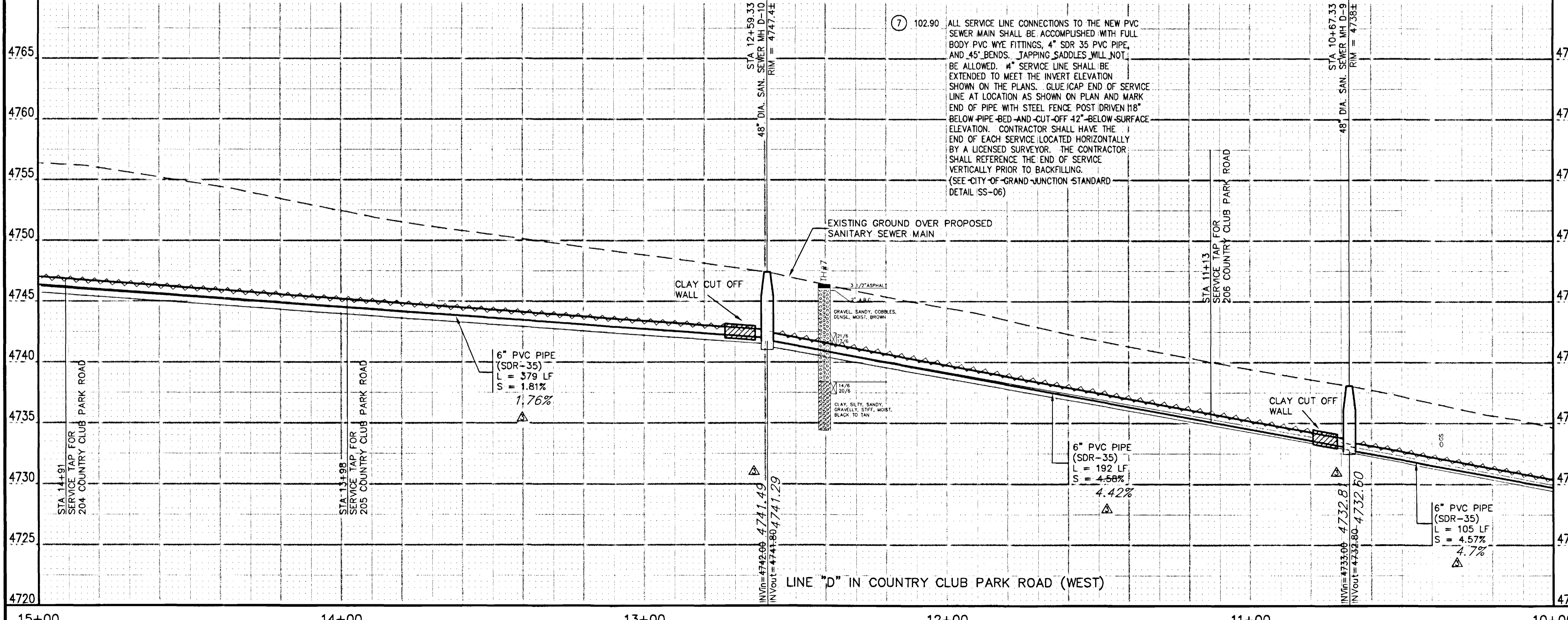
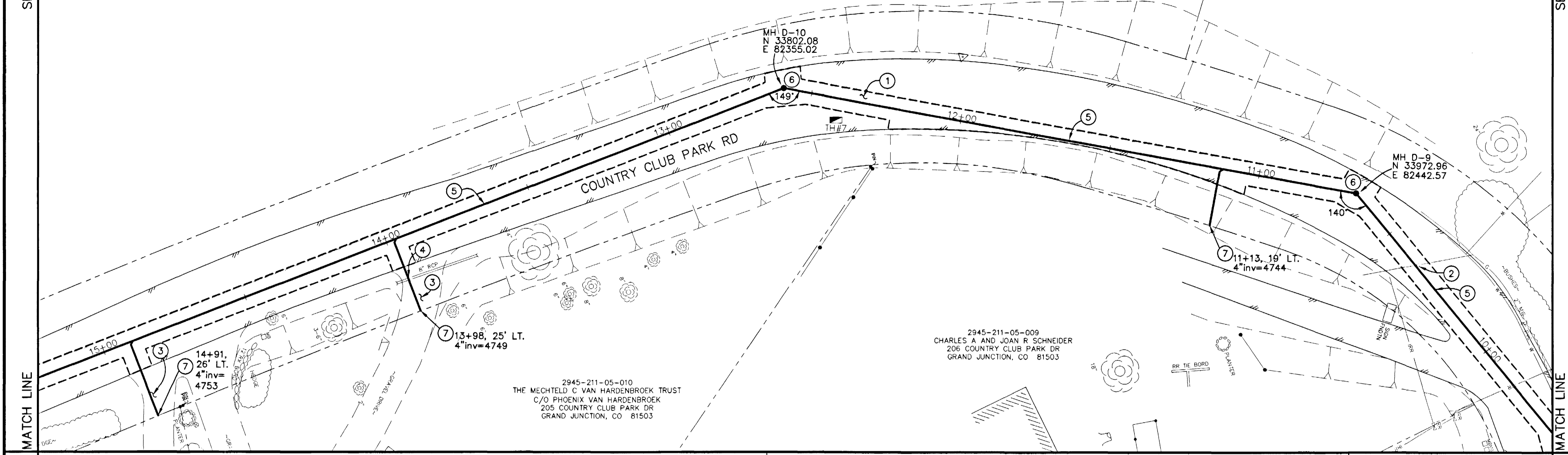
PROJECT NO. 906-F48204

DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS



CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH, (OR C, 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AND/OR AT&T CABLE 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), AND OR CABLE TV LINES (AT&T CABLE).
- ③ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ④ PROTECT EXISTING 8" RCP CULVERT IN PLACE.
- ⑤ 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑥ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH'S D-9 & D-10) (2 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.



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REVISION	DESCRIPTION	DATE
REVISION Δ		
REVISION Δ	ASBUILT	10-02

DRAWN BY	JCS	DATE	2001
DESIGNED BY	JCS/SBG	DATE	2001
CHECKED BY	SBG	DATE	2001
APPROVED BY		DATE	

SCALE	
PLAN	1"=20'
PROFILE	1"=20'
	VERT. 1"=5'

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

**COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 D LINE STA 10+00 TO STA 15+00**

△ TEMPORARY CONTROL
N 33463.61
E 82375.63
80 PENNY NAIL AT 15+98±, 5'± RT

2945-211-06-946
IRRIGATION DISTRICT C/O
PAUL HEIDEL
407 COUNTRY CLUB PARK DR
GRAND JUNCTION, CO 81503

2945-211-06-010
LARRY B AND DOROTHY F ARNOLD
308 COUNTRY CLUB PARK RD
GRAND JUNCTION, CO 81503

MH D-11
N 33429.19
E 82383.97

18+93
29' RT.
4" inv=4751.2

18+13, 23' RT.
4" inv=4750.7

16+89, 28' LT.
4" inv=4757

16+15, 37' LT
4" inv=4755

2945-211-05-015
LINCOLN G AND LUCEDAS NEWTON
3746 LEWIS AVE
LONG BEACH, CA 90807

2945-211-05-014
JUNE B AND REX K TAYLOR
202 COUNTRY CLUB PARK RD
GRAND JUNCTION, CO 81503

2945-211-05-013
JAMES C AND SHIRLEY PORTER
203 COUNTRY CLUB PARK DR
GRAND JUNCTION, CO 81503

2945-211-05-011
RICHARD M AND JOY M SWERDFEGER
204 COUNTRY CLUB PARK DR
GRAND JUNCTION, CO 81503

PROPERTY PIN
N 33332.16
E 82503.76
EL 4763.46
FND NO. 4 SET IN CONC
(17+87±, 25'± LT.)

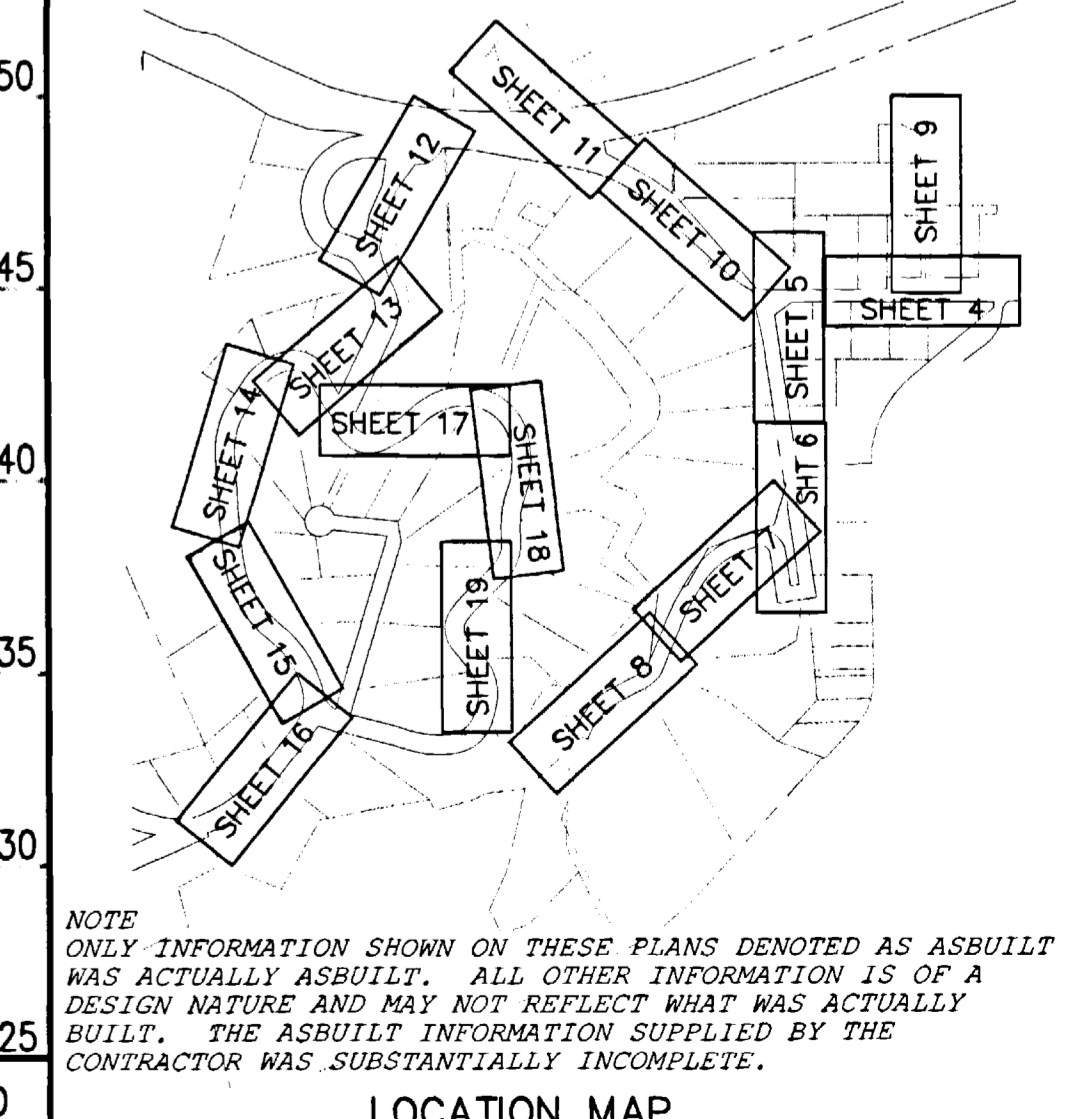
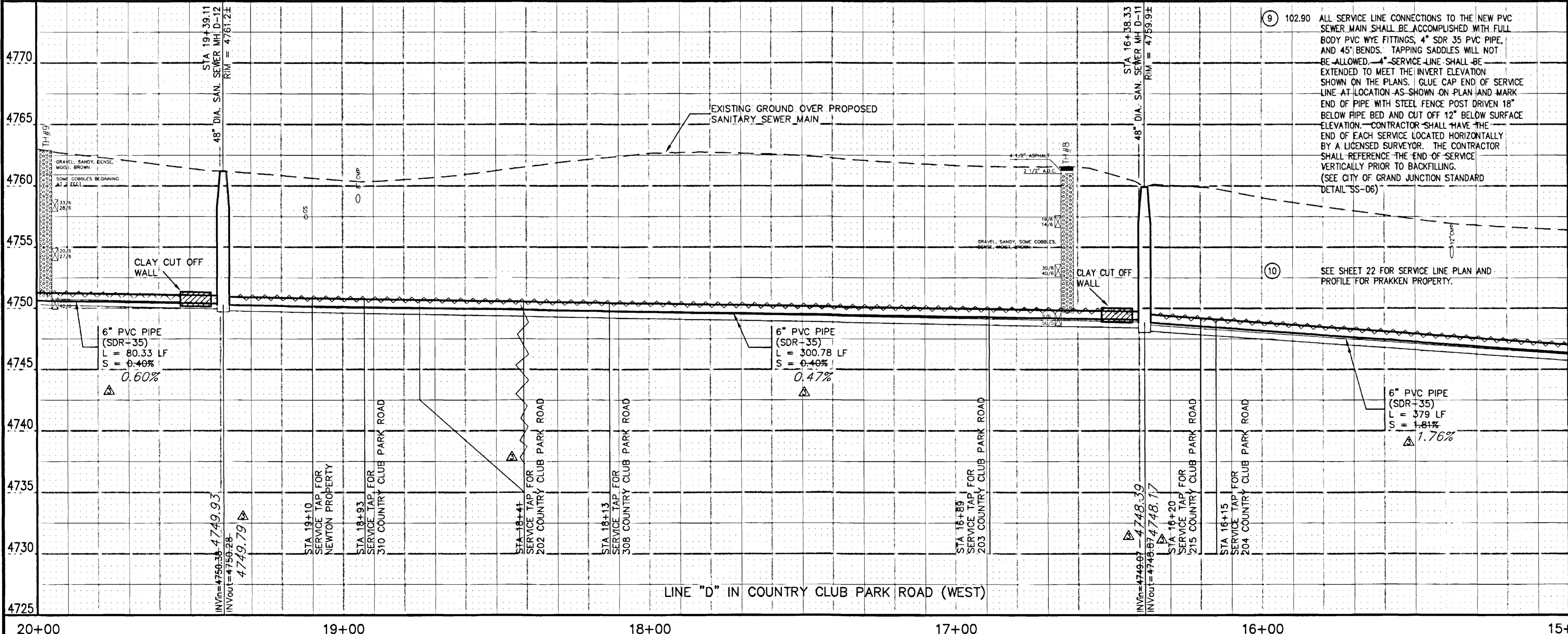
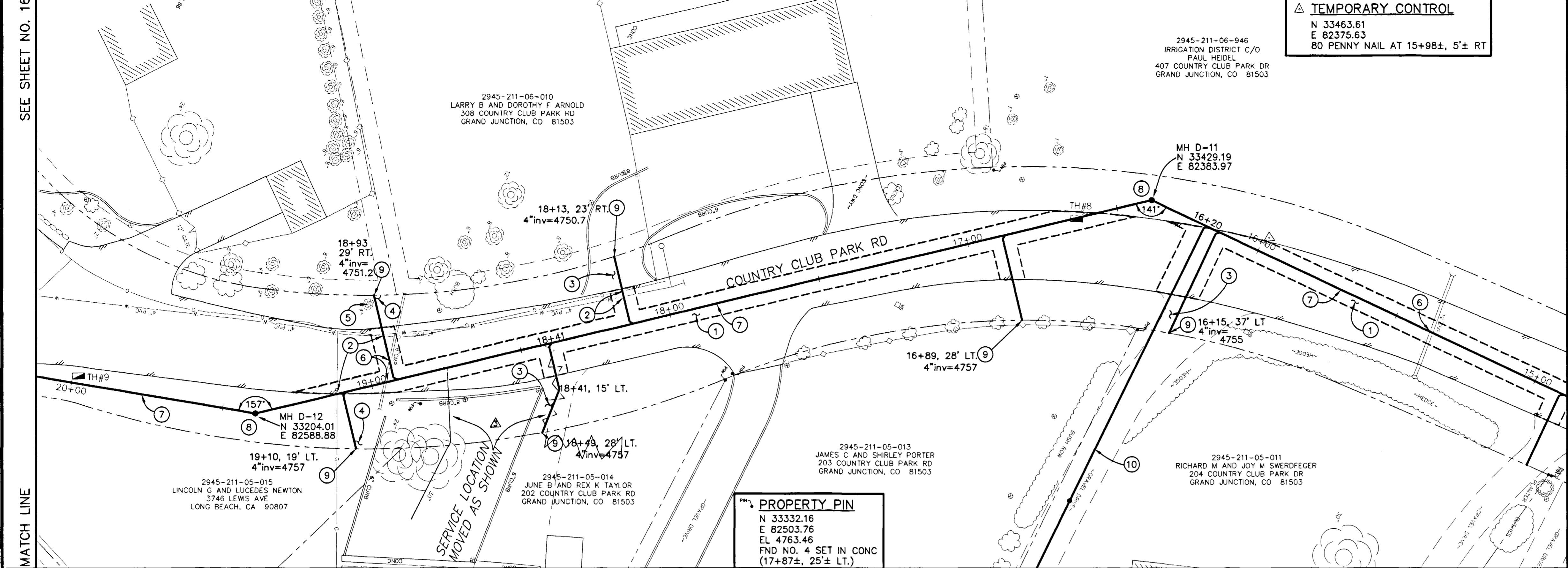
PROJECT NO. 906-F48204

DRAWING STATUS:

- PROGRESS
- BID SET
- FINAL CONSTRUCTION DRAWINGS

1 inch = 20 ft.

- CONSTRUCTION NOTES
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
 - 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
 - 401.00 HOT BITUMINOUS ASPHALT PATCH. (GR C, 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
 - NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AND/OR AT&T CABLE 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), AND OR CABLE TV LINES (AT&T CABLE).
 - 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
 - 210.00 RESTORE YARD TO PRECONSTRUCTION CONDITION.
 - 202.00 REMOVE EXISTING TREE. (1 EA)
 - PROTECT EXISTING CMP CULVERTS IN PLACE IF PIPE CONDITION PERMITS. IF PIPE IS IN BAD CONDITION AND PROJECT ENGINEER APPROVES ADDITIONAL WORK, REPLACE PIPE AS NEEDED TO INSTALL NEW SEWER.
 - 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
 - 102.11 48" DIA. SANITARY SEWER MANHOLE (MH'S D-11 AND D-12) (2 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
 - 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.



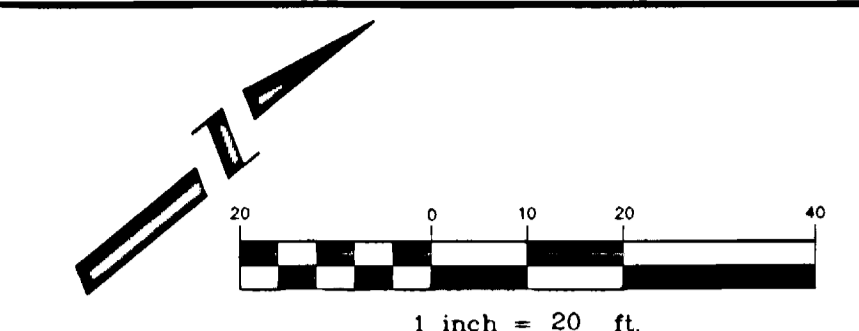
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2001
REVISION Δ			JCS/SBG	2001
REVISION Δ			SBG	2001
REVISION Δ				

SCALE	
PLAN	PROFILE
HORIZ. 1"=20'	HORIZ. 1"=20'
	VERT. 1"=5'

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

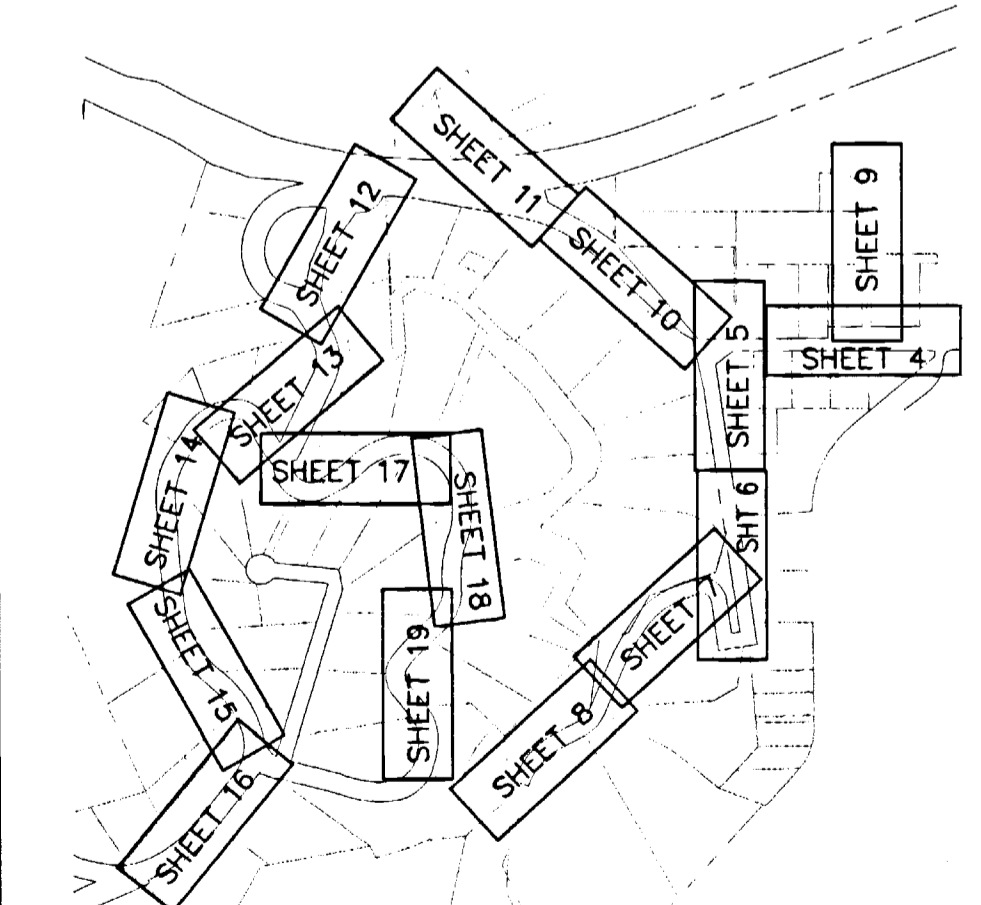
COUNTRY CLUB PARK # 2
SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
D LINE STA 15+00 TO STA 20+00

DRAWING STATUS:
○ PROGRESS
● BID SET
○ FINAL CONSTRUCTION DRAWINGS

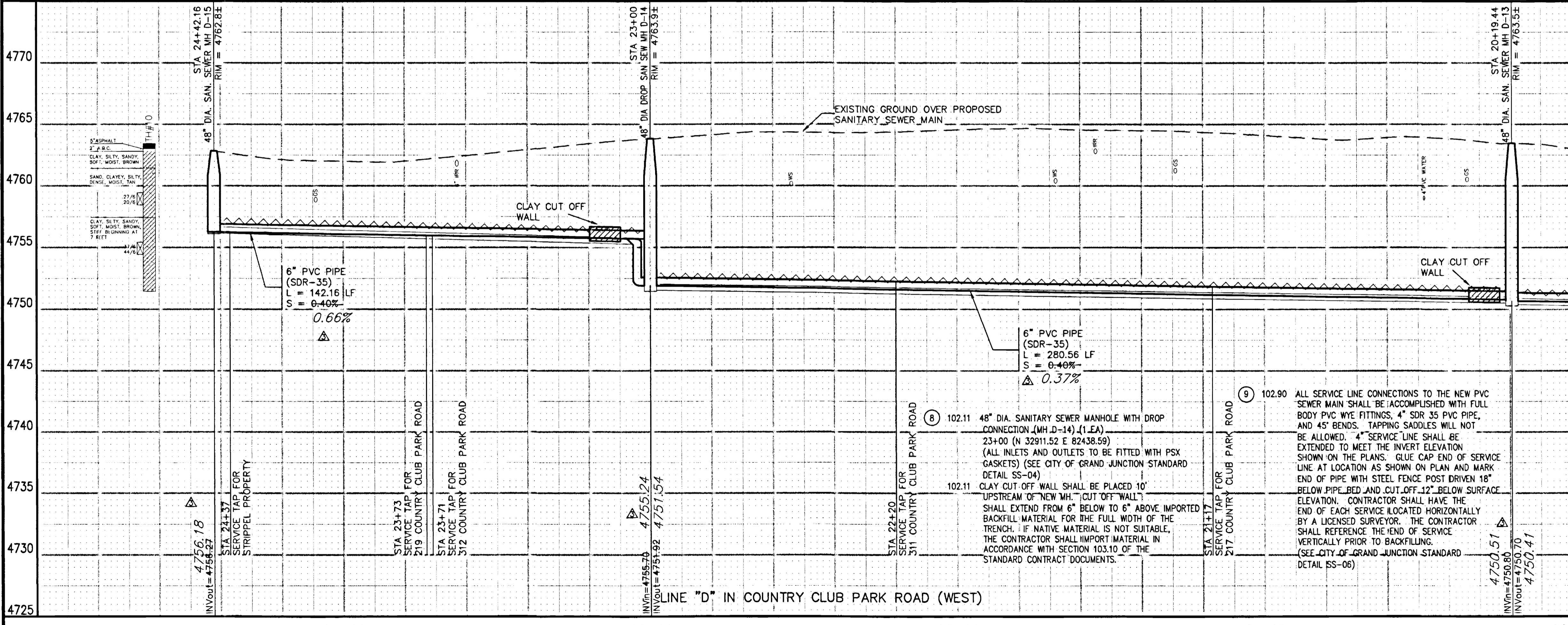
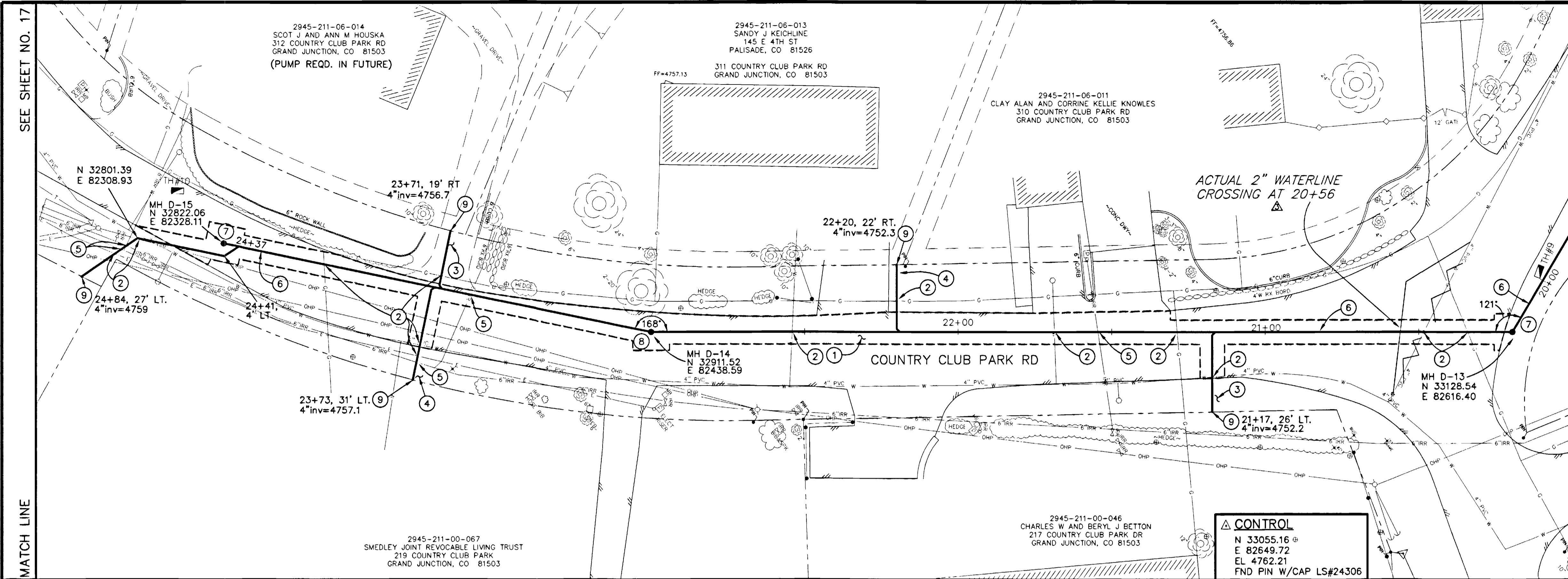


CONSTRUCTION NOTES

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- 4 210.00 RESTORE YARD TO PRECONSTRUCTION CONDITION.
- 5 NOTIFY COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE IRRIGATION LINES.
- 6 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- 7 102.11 48" DIA. SANITARY SEWER MANHOLE (MH D-13 AND D-15) (2 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
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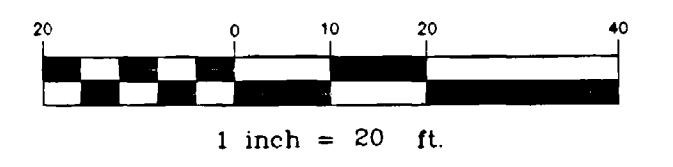
REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2001
REVISION			DESIGNED BY	JCS/SBG	DATE	2001
REVISION	ASBUILT	10-02	CHECKED BY	SBG	DATE	2001
			APPROVED BY		DATE	

SCALE
PLAN 1"=20'
PROFILE 1"=5'

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

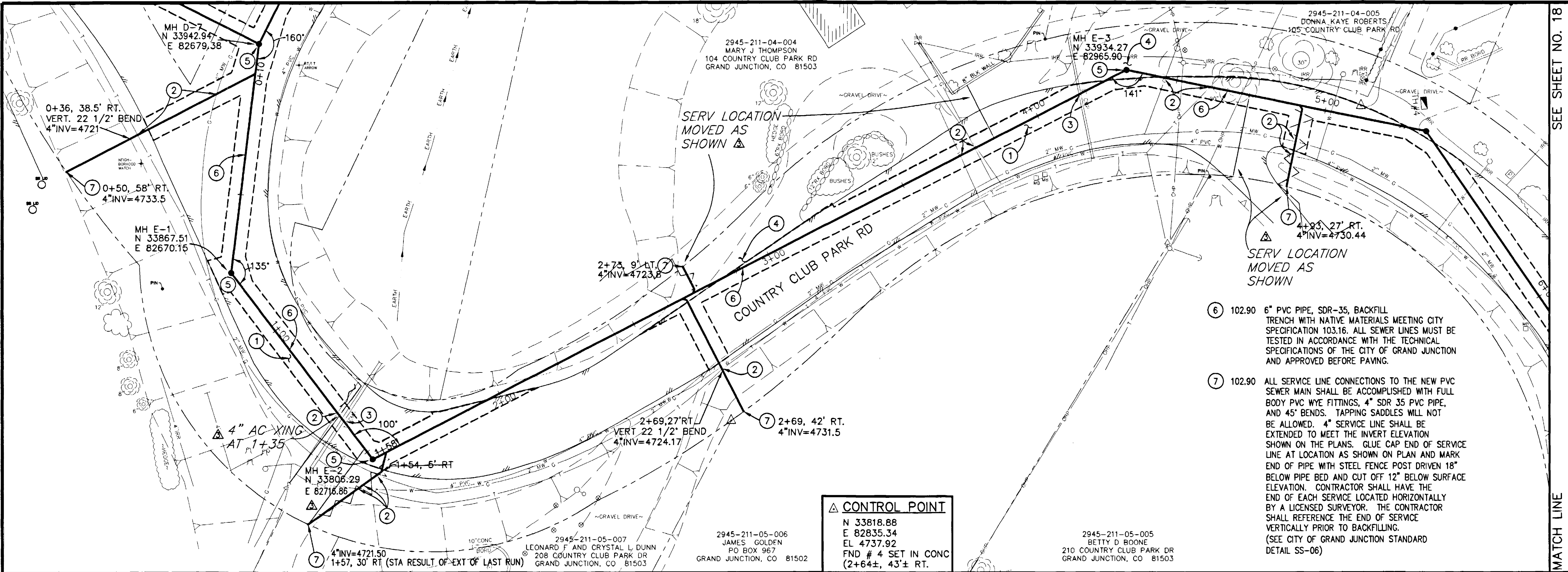
COUNTRY CLUB PARK # 2
SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
D LINE STA 20+00 TO STA 25+00

- PROGRESS
- BID SET
- FINAL CONSTRUCTION DRAWINGS

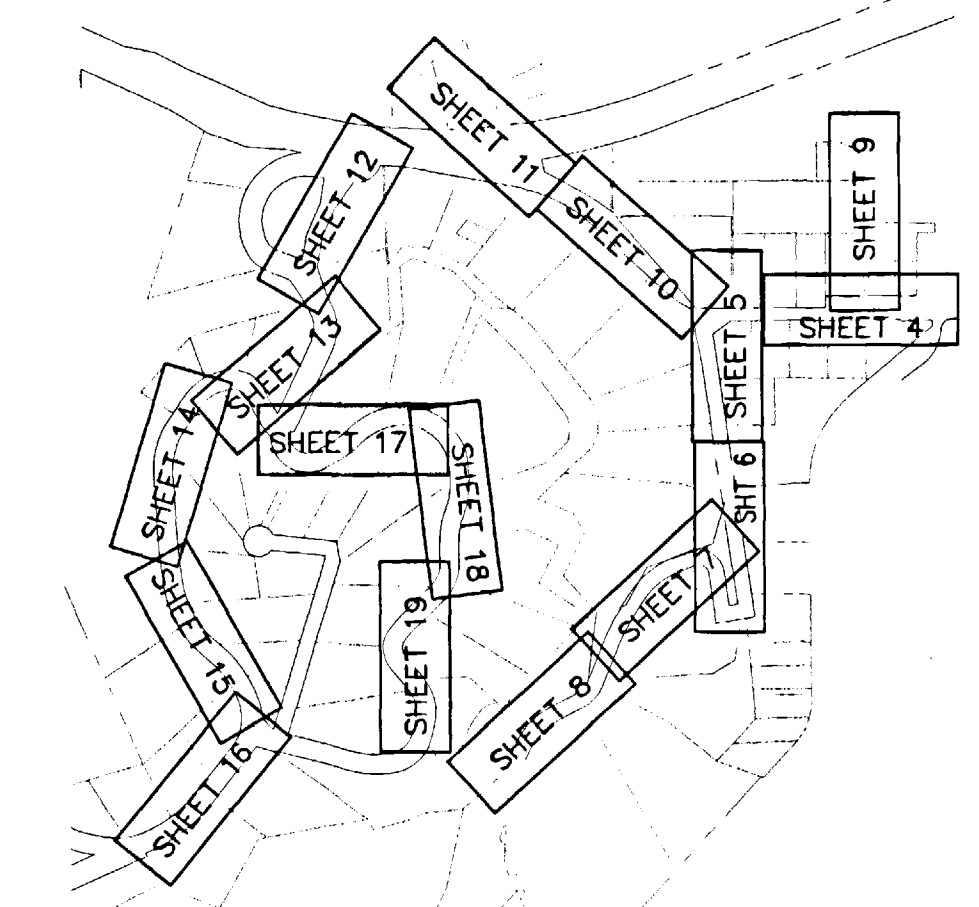
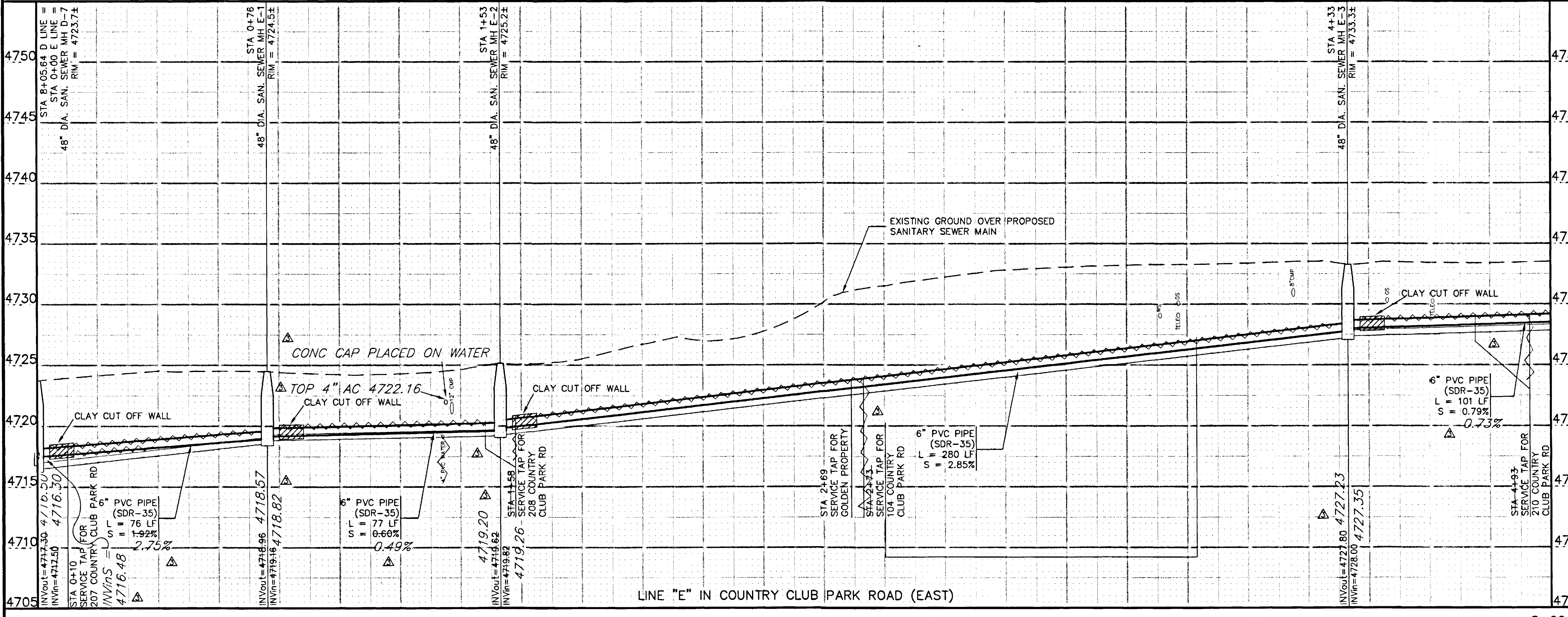


CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- ③ PROTECT EXISTING CMP CULVERTS IN PLACE IF PIPE CONDITION PERMITS. IF PIPE IS IN BAD CONDITION AND PROJECT ENGINEER AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE PIPE AS NEEDED TO INSTALL NEW SEWER.
- ④ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ⑤ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH D-7, E-1, E-2, AND E-3) (4 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.



△ CONTROL POINT
 N 33818.88
 E 82835.34
 EL 4737.92
 FND # 4 SET IN CONC
 (2+64±, 43'± RT.)



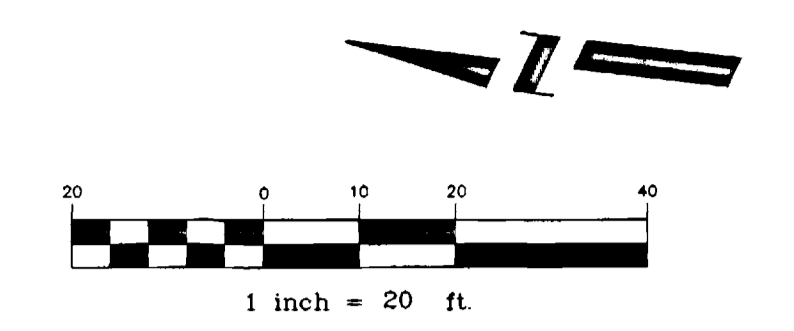
NOTE: ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION △			JCS	2001	PLAN 1"=20'
REVISION △			JCS/SBG	2001	HORIZ. 1"=20'
REVISION △	ASBUILT	10-02	SBG	2001	VERT. 1"=5'
REVISION △					

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

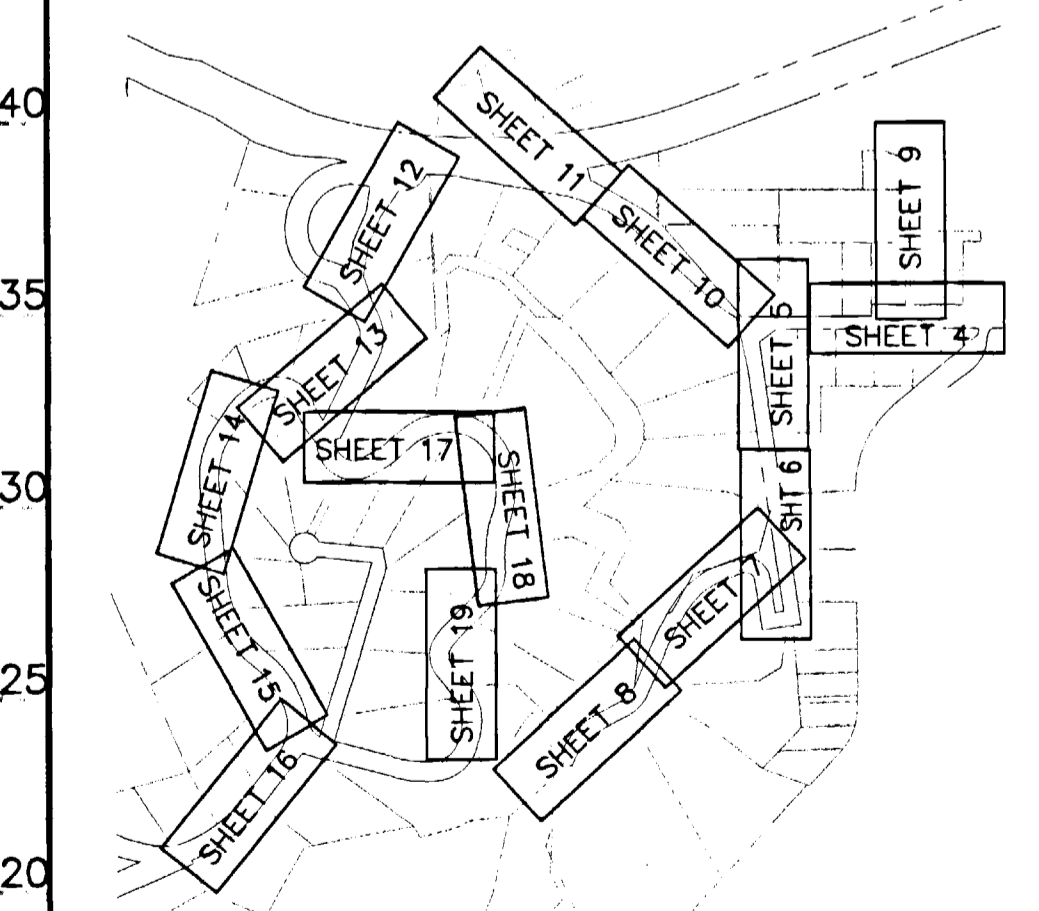
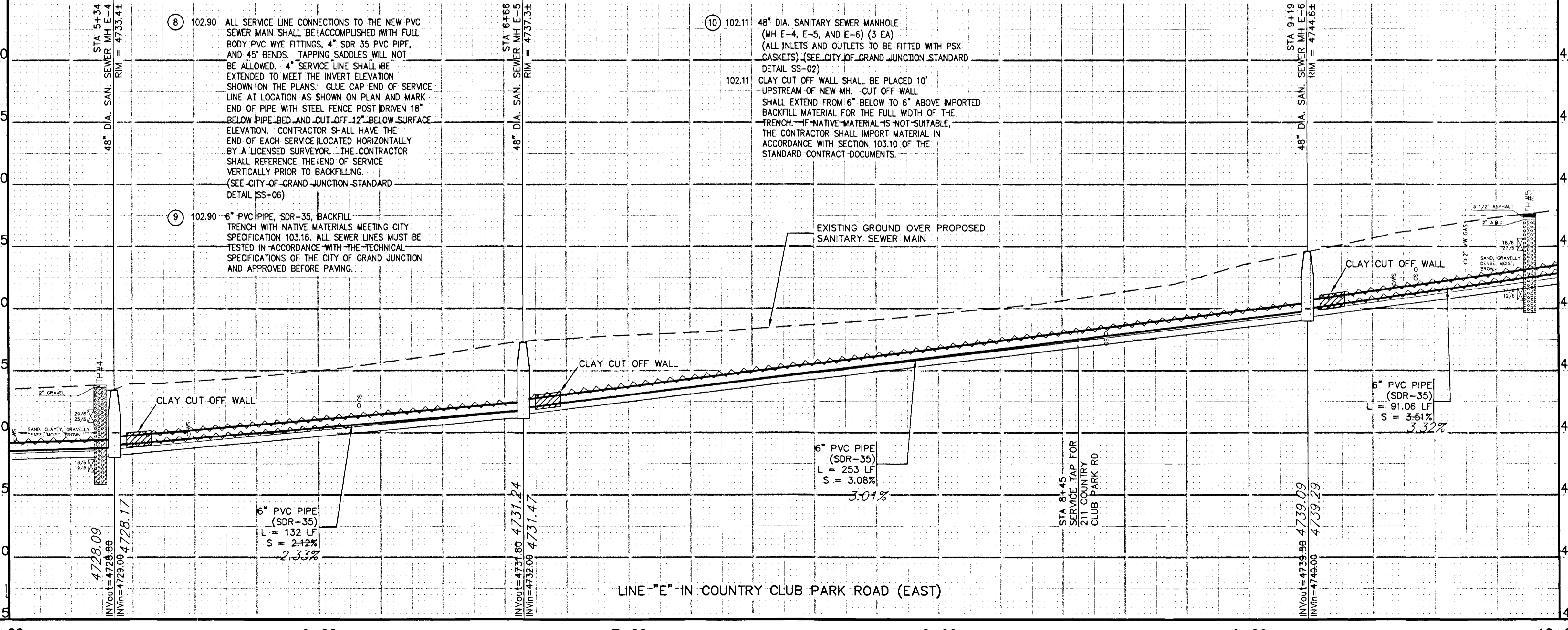
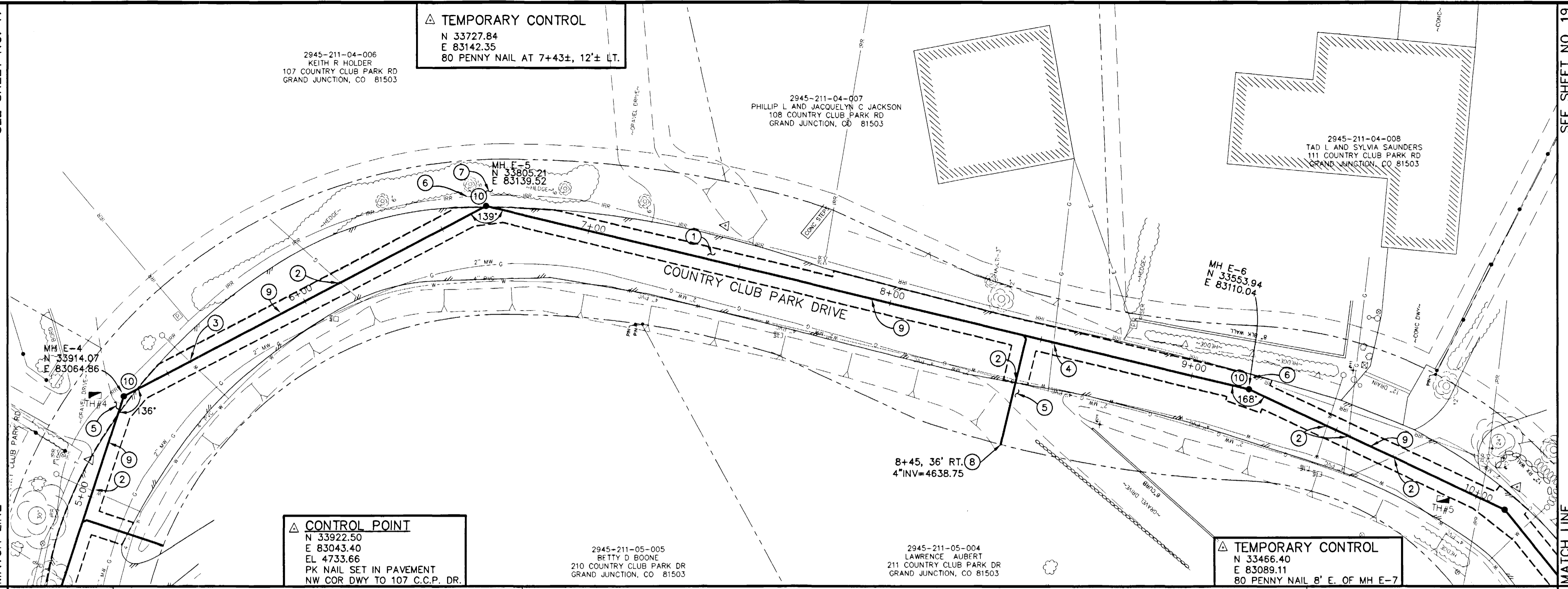
**COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 E LINE STA 0+00 TO STA 5+00**

- PROGRESS
- BID SET
- FINAL CONSTRUCTION DRAWINGS



CONSTRUCTION NOTES

- 1 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH. (OR C. 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- 2 NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- 3 210.00 WATER SERVICE TO BE ADJUSTED VERTICALLY
- 4 210.00 GAS SERVICE TO BE ADJUSTED VERTICALLY
- 5 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- 6 PROTECT EXISTING IRRIGATION LINES IN PLACE IF FIELD CONDITIONS PERMIT. IF IF FIELD CONDITIONS MAKE LINE REPLACEMENT NECESSARY AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE IRRIGATION LINES AS NEEDED TO INSTALL NEW SEWER. COORDINATE ALL ACTIVITIES WITH RESPECT TO IRRIGATION WORK WITH COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448.
- 7 202.00 TRIM HEDGE AS NEEDED TO CONSTRUCT NEW SEWER.



NOTE: ONLY INFORMATION SHOWN ON THESE PLANS DENOTED AS ASBUILT WAS ACTUALLY ASBUILT. ALL OTHER INFORMATION IS OF A DESIGN NATURE AND MAY NOT REFLECT WHAT WAS ACTUALLY BUILT. THE ASBUILT INFORMATION SUPPLIED BY THE CONTRACTOR WAS SUBSTANTIALLY INCOMPLETE.

REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2001
REVISION			DESIGNED BY	JCS/SBG	DATE	2001
REVISION	ASBUILT	10-02	CHECKED BY	SBG	DATE	2001
REVISION			APPROVED BY		DATE	

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

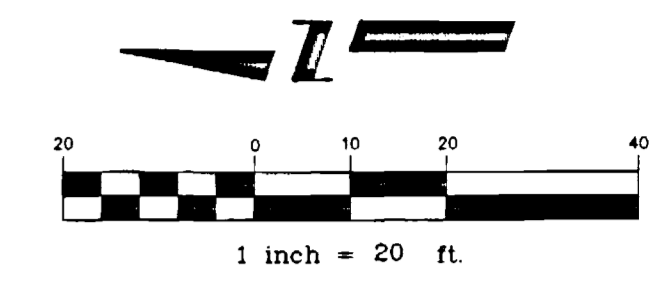
**COUNTRY CLUB PARK # 2
SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
E LINE STA 5+00 TO STA 10+00**

SEE SHEET NO. 18

MATCH LINE

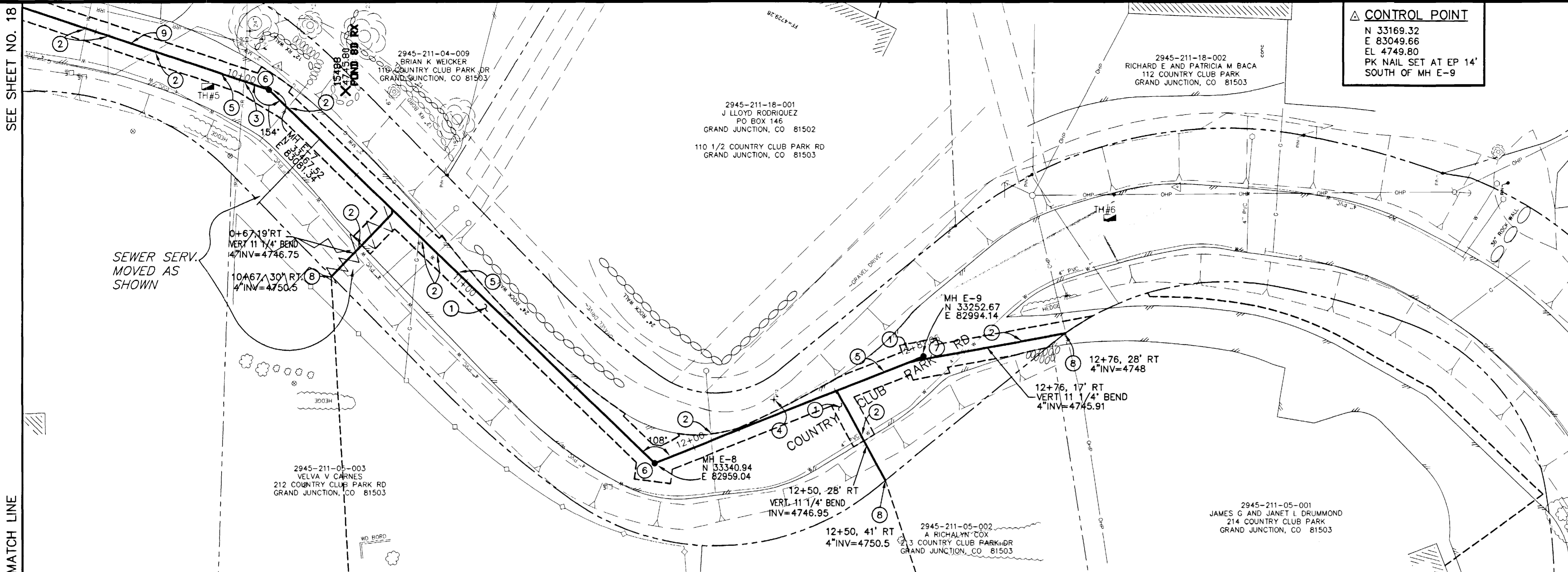
PROJECT NO. 906-F48204

DRAWING STATUS:
○ PROGRESS
● BID SET
○ FINAL CONSTRUCTION DRAWINGS

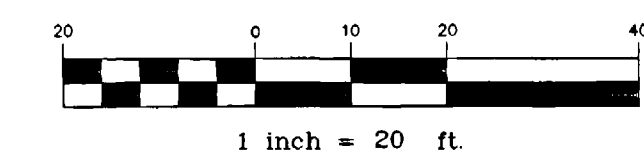


CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH, (GR C, 50 BLOW MARSHALL) (3" DEPTH) PAVEMENT SHALL BE APPLIED IN ONE 3" LIFT. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- ③ NOTIFY COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE IRRIGATION LINES.
- ④ 210.00 RESET PRIVATE ADDRESS INDICATOR SIGN AFTER SEWER INSTALLATION.
- ⑤ 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑥ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH E-7 AND E-8) (1 EA) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM UPSTREAM OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.

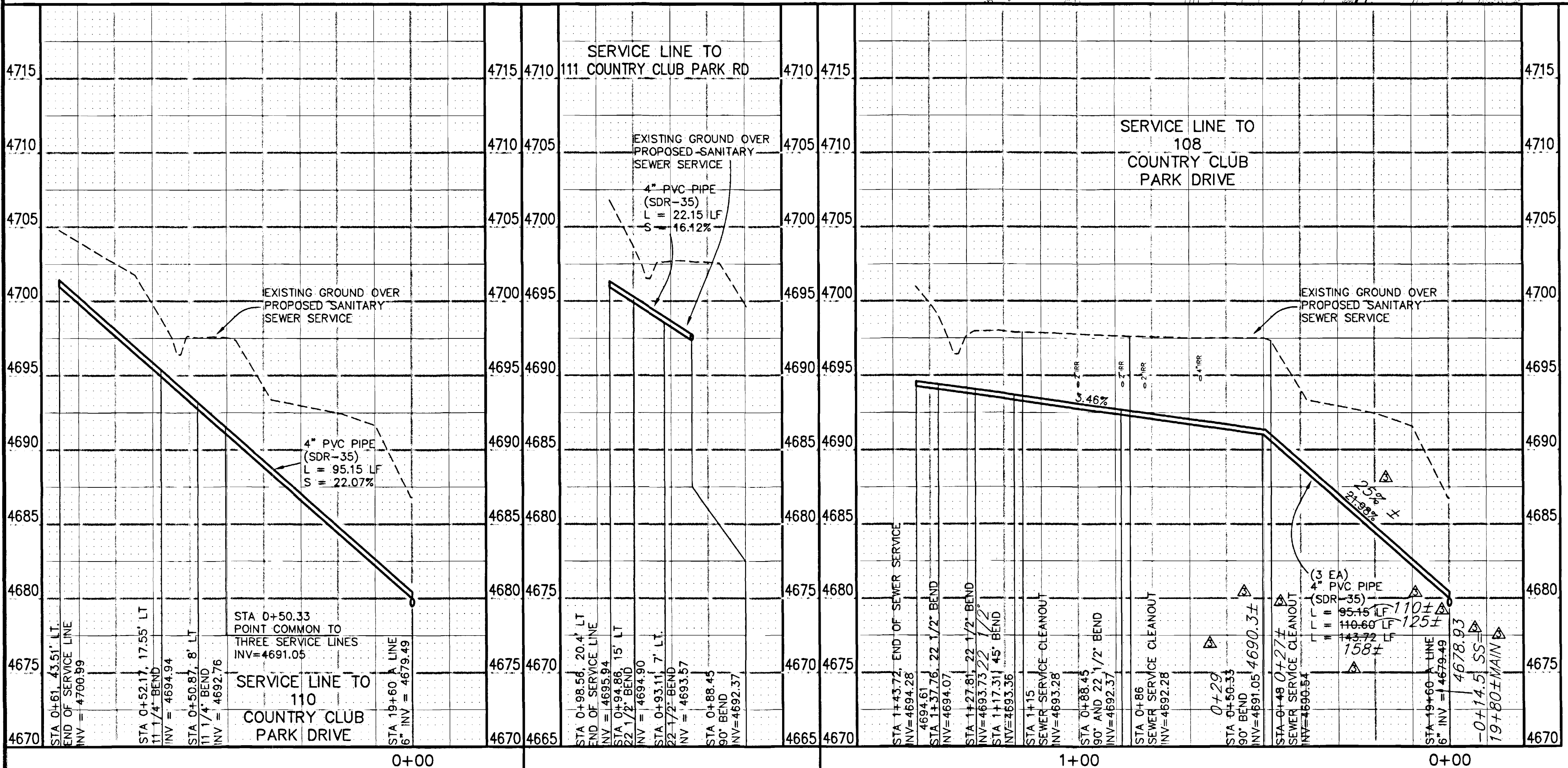
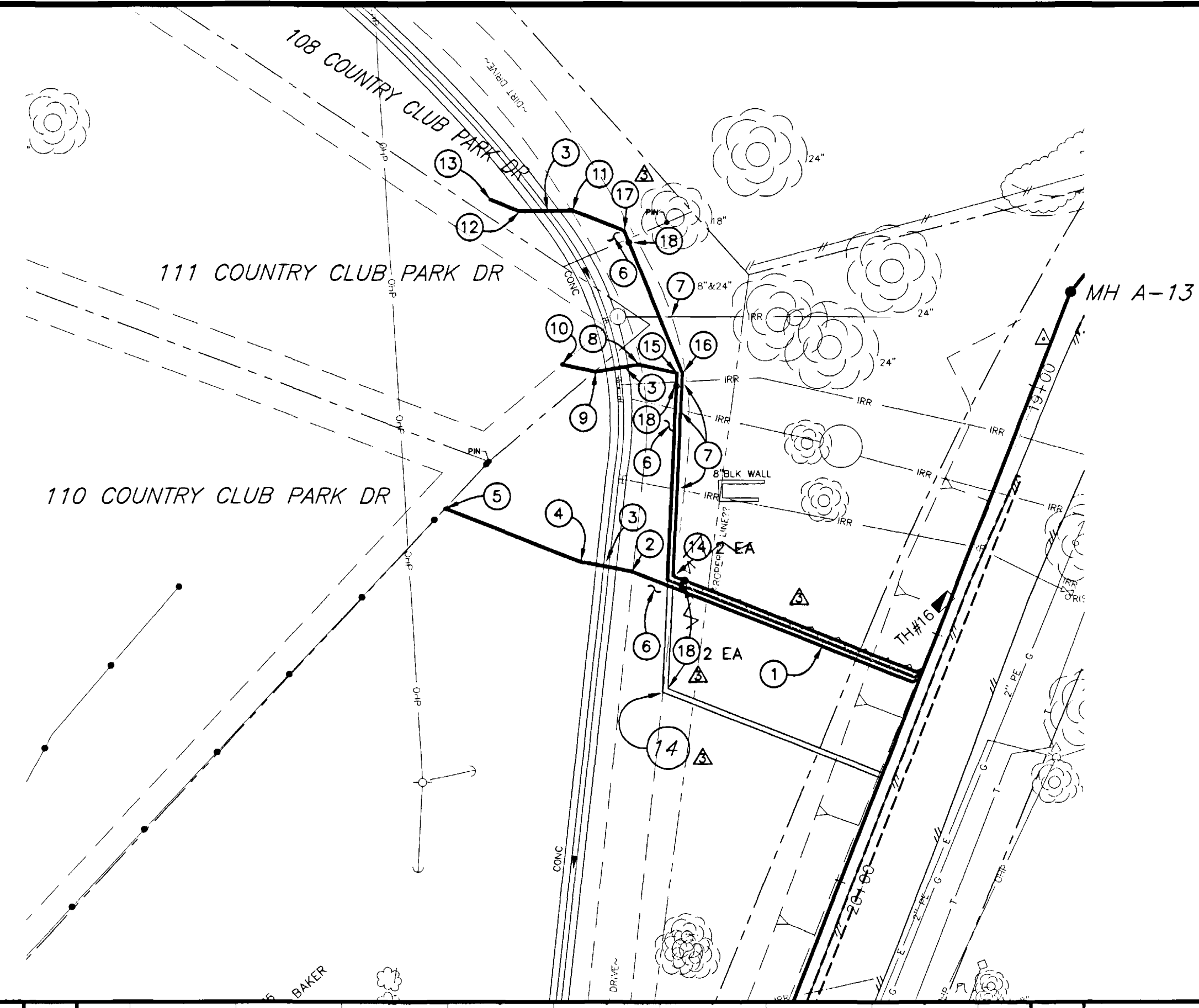


- PROGRESS
- BID SET
- FINAL CONSTRUCTION DRAWINGS



CONSTRUCTION NOTES

- 1 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- 2 102.90 4" 11 1/4" PVC BEND (SDR-35) 0+50.87, 8' LT (N 33356.06 E 83465.68)
- 3 PROTECT EXISTING CONCRETE DITCH IN PLACE. CONTRACTOR SHALL DIG OR BORE BENEATH DITCH. ANY DAMAGE TO DITCH SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- 4 102.90 4" 11 1/4" PVC BEND (SDR-35) 0+52.17, 17.55' LT, (N 33357.81 E 83455.99)
- 5 END OF SERVICE LINE. 0+61, 43.51' LT (N 33367.84 E 83430.46)
- 6 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- 7 PROTECT EXISTING IRRIGATION LINES IN PLACE IF FIELD CONDITIONS PERMIT. IF FIELD CONDITIONS MAKE LINE REPLACEMENT NECESSARY AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE IRRIGATION LINES AS NEEDED TO INSTALL NEW SEWER. COORDINATE ALL ACTIVITIES WITH RESPECT TO IRRIGATION WORK WITH COUNTRY CLUB PARK IRRIGATION DISTRICT IN CARE OF PAUL HEIDEL AT 242-0448.
- 8 102.90 4" 22 1/2" PVC BEND (SDR-35) 0+93.11, 7' LT, (N 33394.91 E 83466.94)
- 9 102.90 4" 22 1/2" PVC BEND (SDR-35) 0+94.86, 15' LT, (N 33393.49 E 83458.84)
- 10 END OF SERVICE LINE. 0+98.56, 20.4' LT (N 33394.91 E 83452.51)
- 11 102.90 4" 22 1/2" PVC BEND (SDR-35) 1+27.81, (N 33423.80 E 83454.52)
- 12 102.90 4" 22 1/2" PVC BEND (SDR-35) 1+37.76, (N 33423.62 E 83444.58)
- 13 END OF SERVICE LINE. 1+43.72 (N 33425.8 E 83439.03)
- 14 102.90 4" 90° PVC BEND (SDR-35) 0+50.33 (N 33355.17 E 83473.43)
- 15 102.90 4" 90° PVC BEND (SDR-35) 0+88.45 (N 33393.24 E 83475.19)
- 16 102.90 4" 22 1/2" PVC BEND (SDR-35) 0+88.45 (N 33393.24 E 83475.19)
- 17 102.90 4" 45° PVC BEND (SDR-35) 1+17.31 (N 33419.97 E 83464.29)
- 18 102.90 4" SEWER SERVICE CLEANOUT (SDR-35) (4 EA)
 0+48 (N 33354.31 E 83475.60) (2 EA)
 0+86 (N 33390.81 E 83475.08) (1 EA)
 1+15 (N 33417.83 E 83465.16) (1 EA)

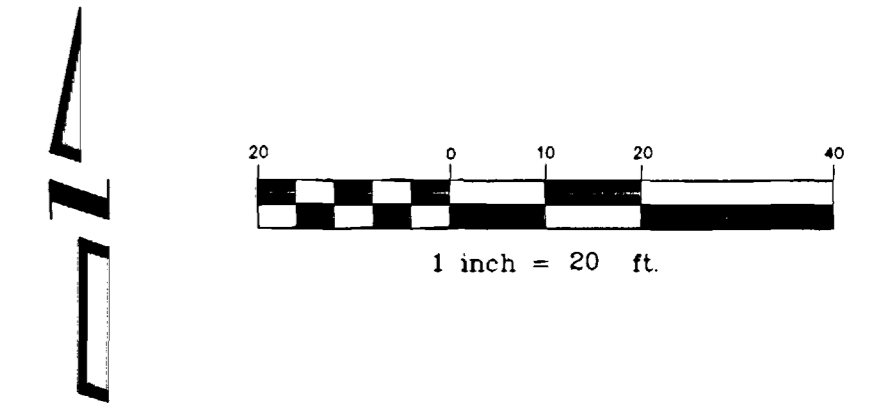


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
ASBUILT		10-02	JCS	2001	PLAN 1"=20', PROFILE 1"=5'

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

**COUNTRY CLUB PARK # 2
 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER SERVICE PLAN AND PROFILES
 FOR 108, 110, & 111 COUNTRY CLUB PARK DR.**

- PROGRESS
- BID SET
- FINAL CONSTRUCTION DRAWINGS

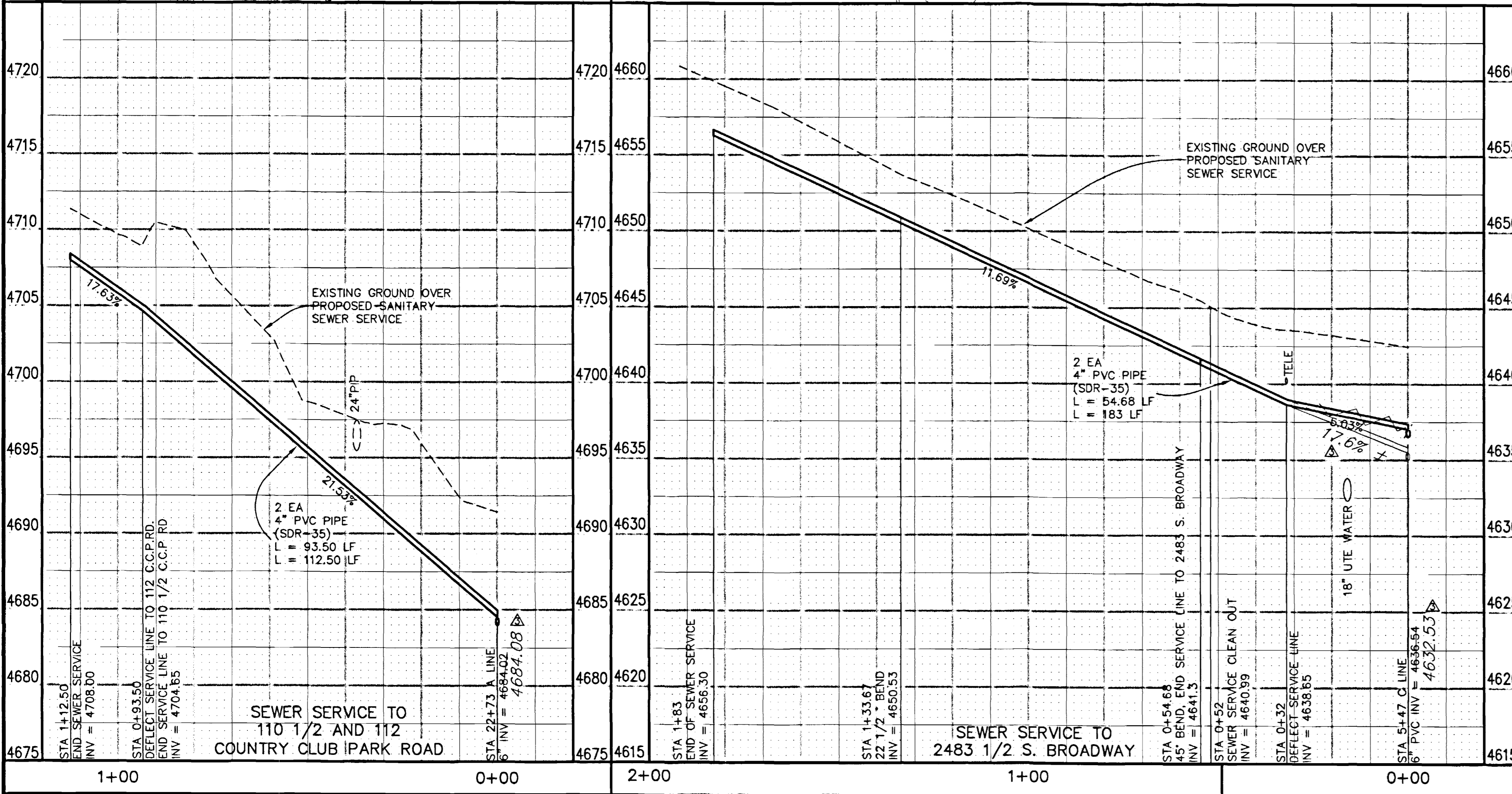
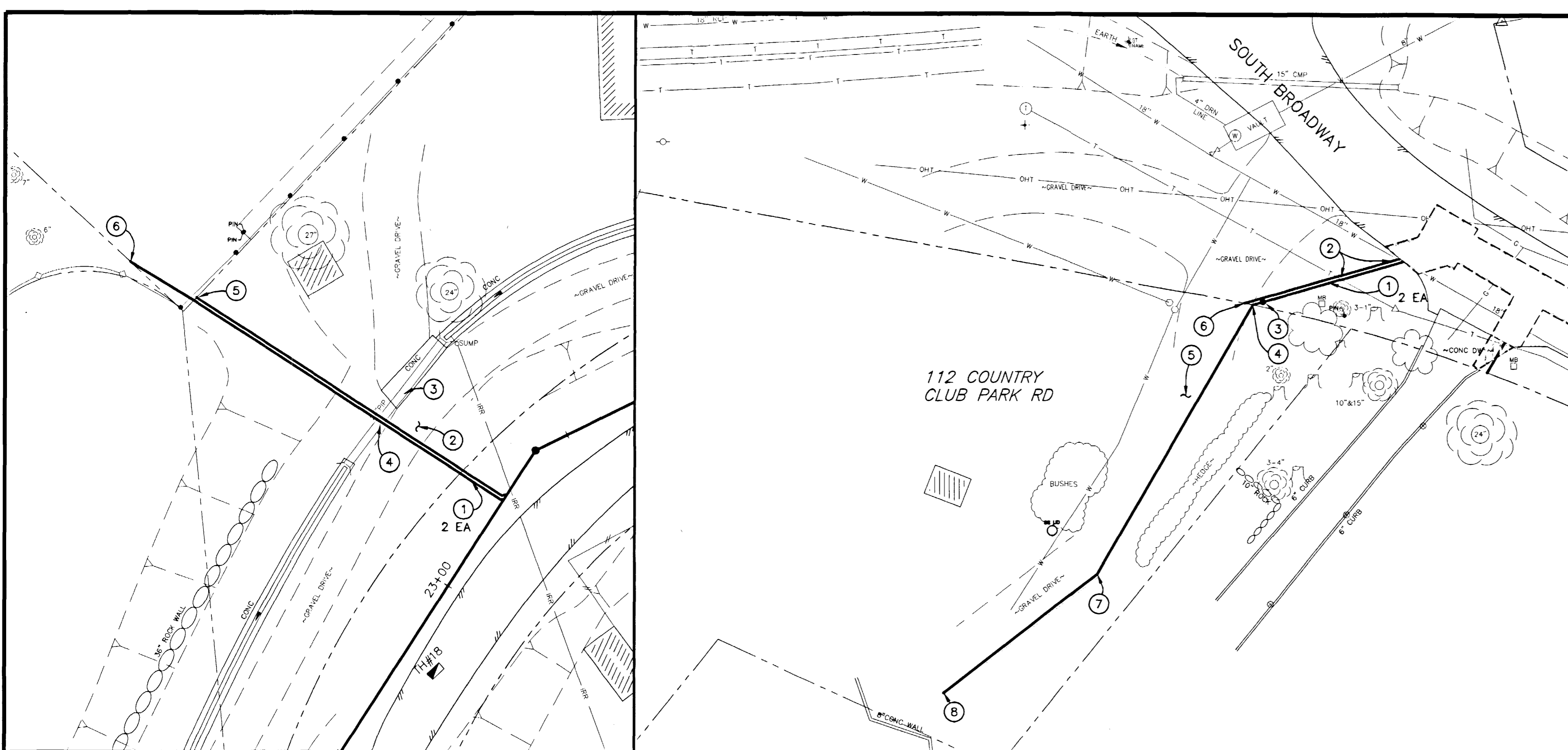


**CONSTRUCTION NOTES
(110 1/2 & 112 COUNTRY CLUB PARK DR)**

- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ③ PROTECT EXISTING CONCRETE CAP.
- ④ PROTECT EXISTING 24" PIP CULVERT IN PLACE IF PIPE CONDITION PERMITS. IF PIPE IS IN BAD CONDITION AND PROJECT ENGINEER AND PROJECT ENGINEER APPROVES ADDITIONAL WORK REPLACE PIPE AS NEEDED TO INSTALL NEW SEWER.
- ⑤ END OF SERVICE LINE 110 1/2 C.C.P. DR. 0+93.50 (N 33168.79 E 83244.12)
- ⑥ END OF SERVICE LINE 1+12.50 (N 33177.81 E 83227.25)

**CONSTRUCTION NOTES
(2483 & 2483 1/2 SOUTH BROADWAY)**

- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② NOTIFY UTE WATER AND QWEST COMMUNICATIONS 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE) AND TELEPHONE LINES (QWEST)
- ③ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 0+52 (N 34516.63 E 83290.86)
- ④ 102.90 4" 45° PVC BEND (SDR-35) 0+54.68 (N 34515.89 E 83288.29)
- ⑤ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ⑥ END OF SERVICE LINE TO 2483 S. BROADWAY 0+54.68 (N 34515.89 E 83288.29)
- ⑦ 102.90 4" 22 1/2° PVC BEND (SDR-35) 1+33.67 (N 34447.42 E 83248.91)
- ⑧ END OF SERVICE LINE TO 2483 1/2 S. BROADWAY 1+83 (N 34417.2 E 83209.92)



REVISION	DESCRIPTION	DATE
REVISION A		
REVISION B		
REVISION C	ASBUILT	10-02

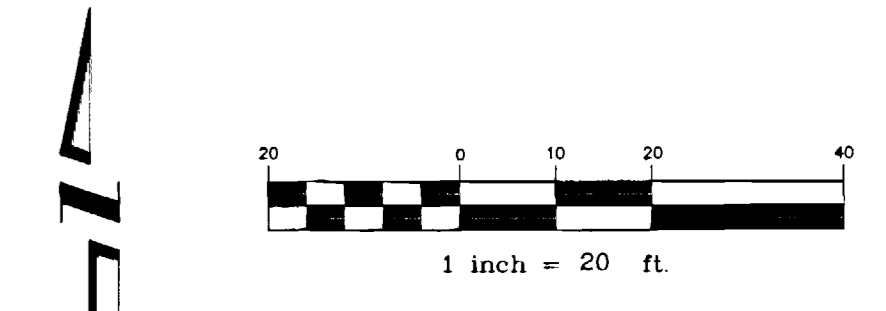
DRAWN BY	JCS	DATE	2001
DESIGNED BY	JCS/SBG	DATE	2001
CHECKED BY	SBG	DATE	2001
APPROVED BY		DATE	

SCALE	
PLAN	1"=20'
PROFILE	1"=20'
HORIZ.	1"=20'
VERT.	1"=5'

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

**COUNTRY CLUB PARK SEWER IMPROVEMENT DISTRICT
SANITARY SEWER SERVICE PLAN AND PROFILES
FOR 110 1/2 & 112 COUNTRY CLUB PARK DR.
AND 2483 & 2483 1/2 S. BROADWAY**

DRAWING STATUS:
 ○ PROGRESS
 ● BID SET
 ○ FINAL CONSTRUCTION DRAWINGS

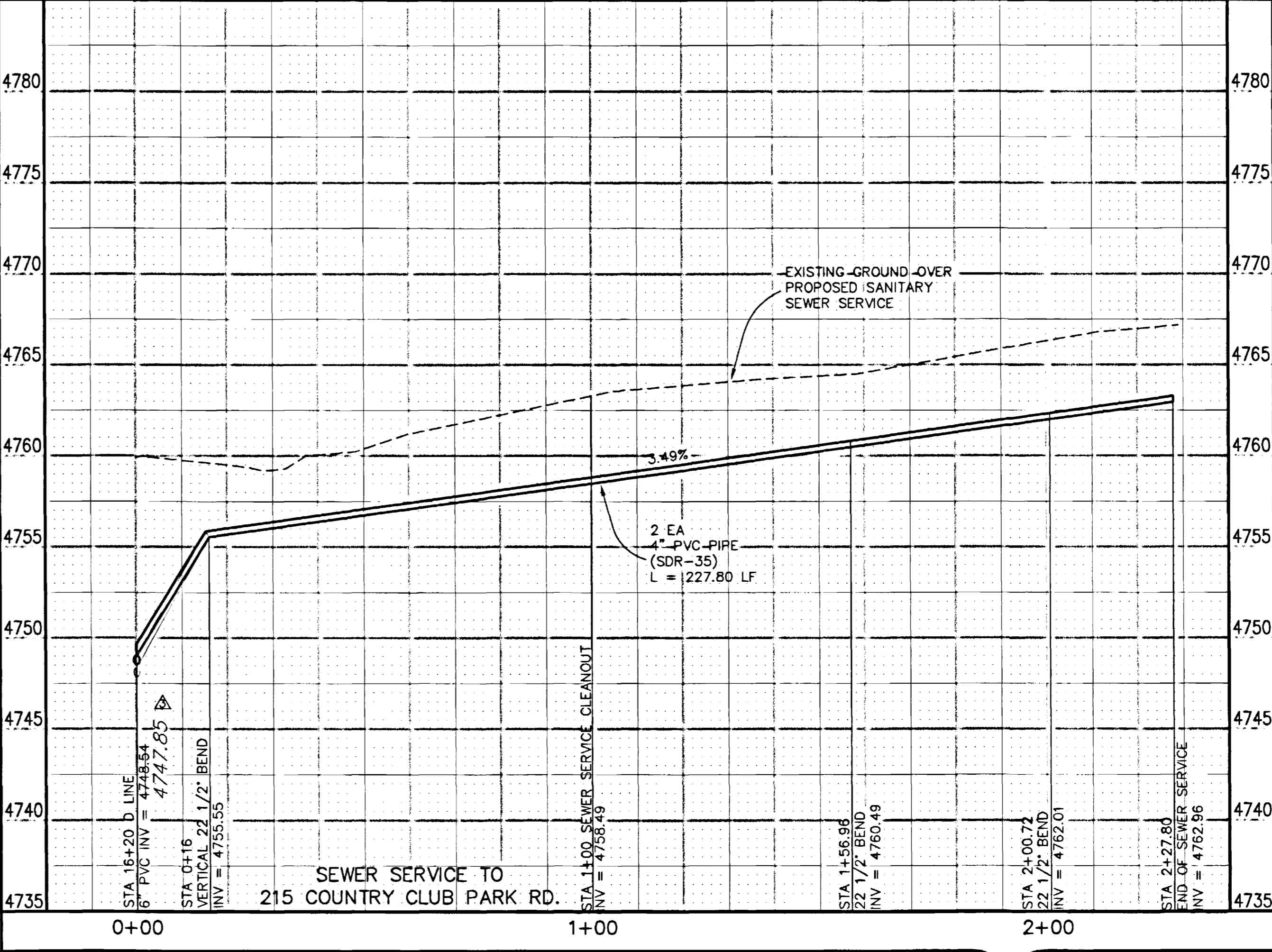
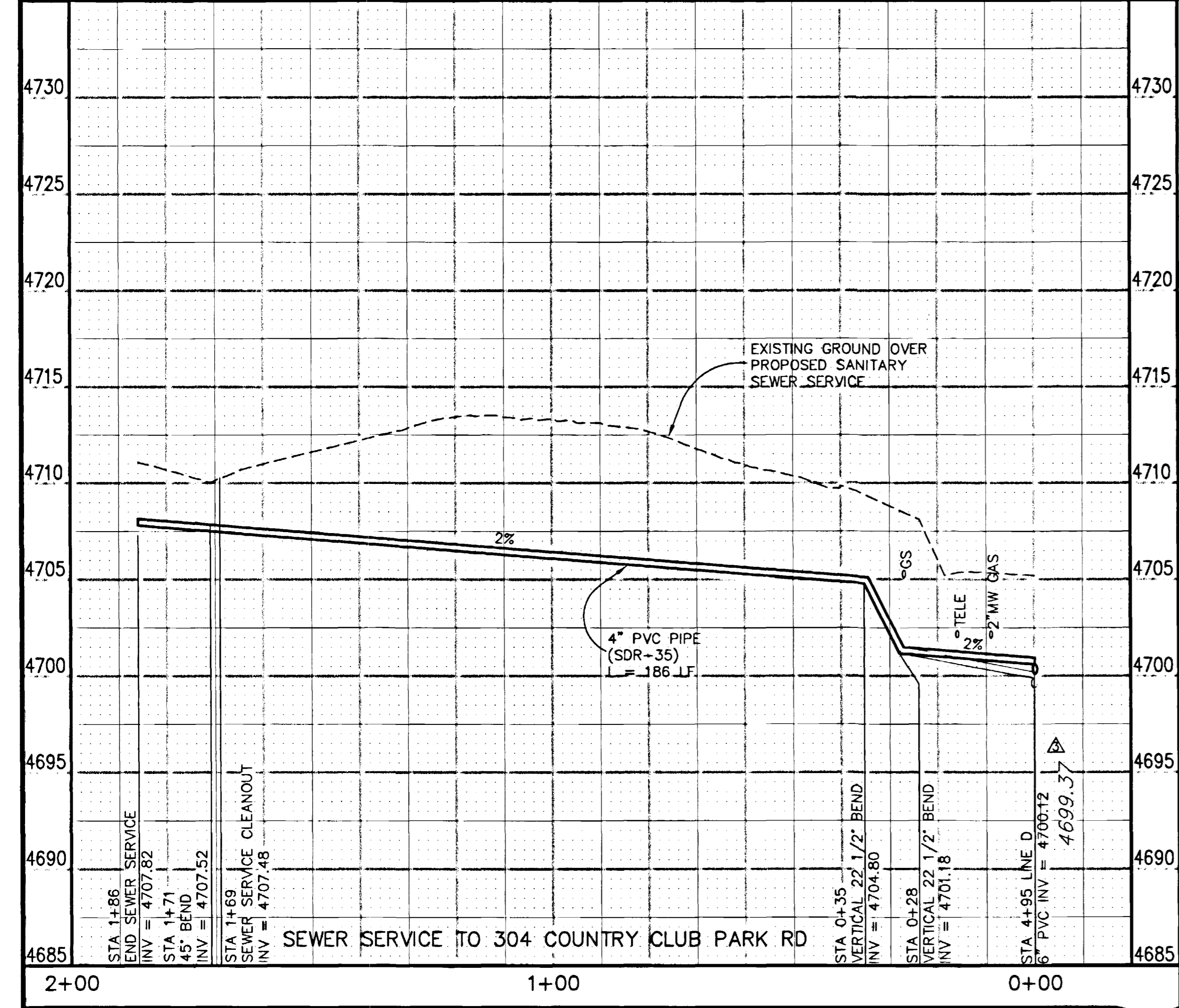
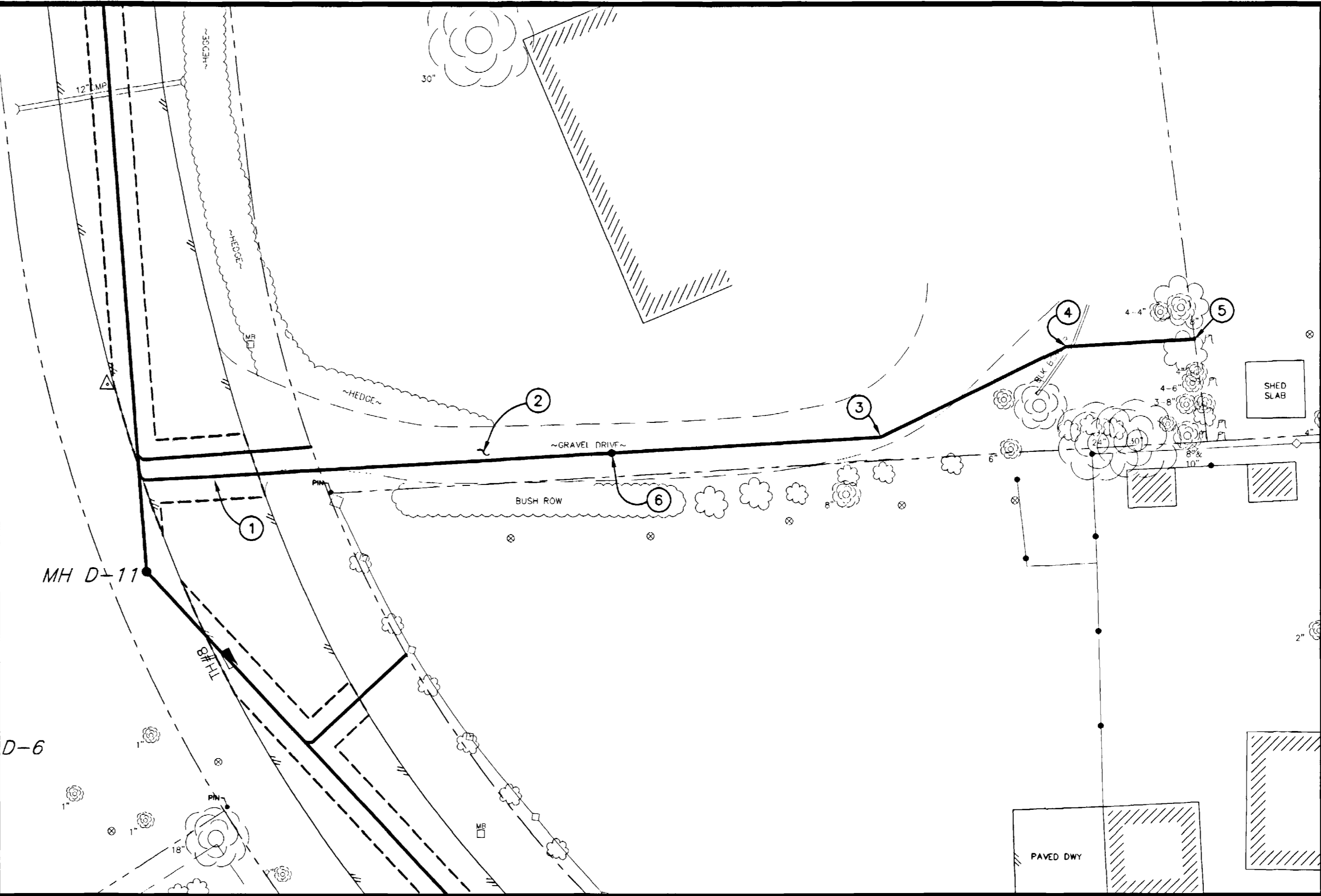
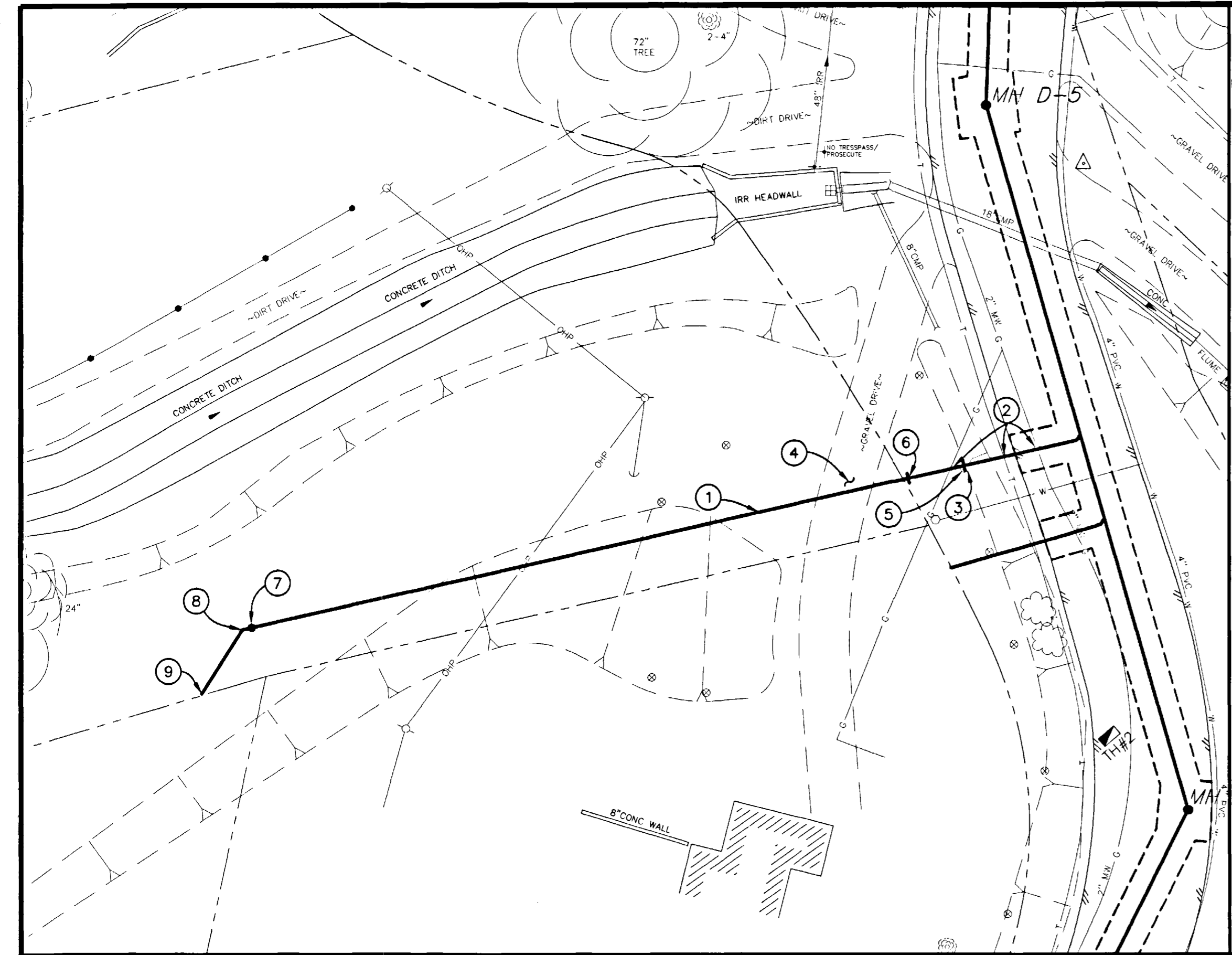


CONSTRUCTION NOTES (304 COUNTRY CLUB PARK DR)

- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② NOTIFY UTE WATER AND QWEST COMMUNICATIONS 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE) AND TELEPHONE LINES (QWEST)
- ③ 210.00 RESET SPRINKLER HEAD AND ASSOCIATED IRRIGATION LINE TO PRECONSTRUCTION LOCATION/CONDITION AFTER SEWER SERVICE INSTALLATION.
- ④ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ⑤ 102.90 4" 22 1/2" VERTICAL PVC BEND (SDR-35) 0+24 (N 34220.68 E 82740.45)
- ⑥ 102.90 4" 22 1/2" VERTICAL PVC BEND (SDR-35) 0+35.32 (N 34218.18 E 82729.41)
- ⑦ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 1+69 (N 34188.70 E 82599.02)
- ⑧ 102.90 4" 45° PVC BEND (SDR-35) 1+71.00 (N 34188.26 E 82597.07)
- ⑨ END OF SERVICE LINE 1+86 (N 34175.58 E 82589.06)

CONSTRUCTION NOTES (215 COUNTRY CLUB PARK DR)

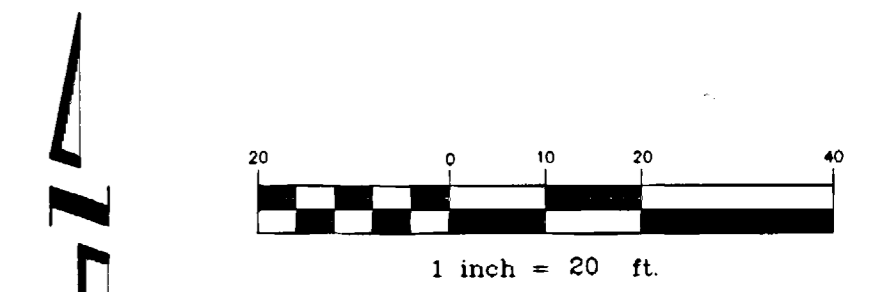
- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ③ 102.90 4" 22 1/2" PVC BEND (SDR-35) 1+56.96 (N 33452.56 E 82359.19)
- ④ 102.90 4" 22 1/2" PVC BEND (SDR-35) 2+00.72 (N 33471.64 E 82578.57)
- ⑤ END OF SERVICE LINE 2+27.80 (N 33473.22 E 82605.61)
- ⑥ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 1+00 (N 33449.23 E 82482.32)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	ASBUILT	10-02	JCS	2001
2			JCS/SBG	2001
3			SBG	2001

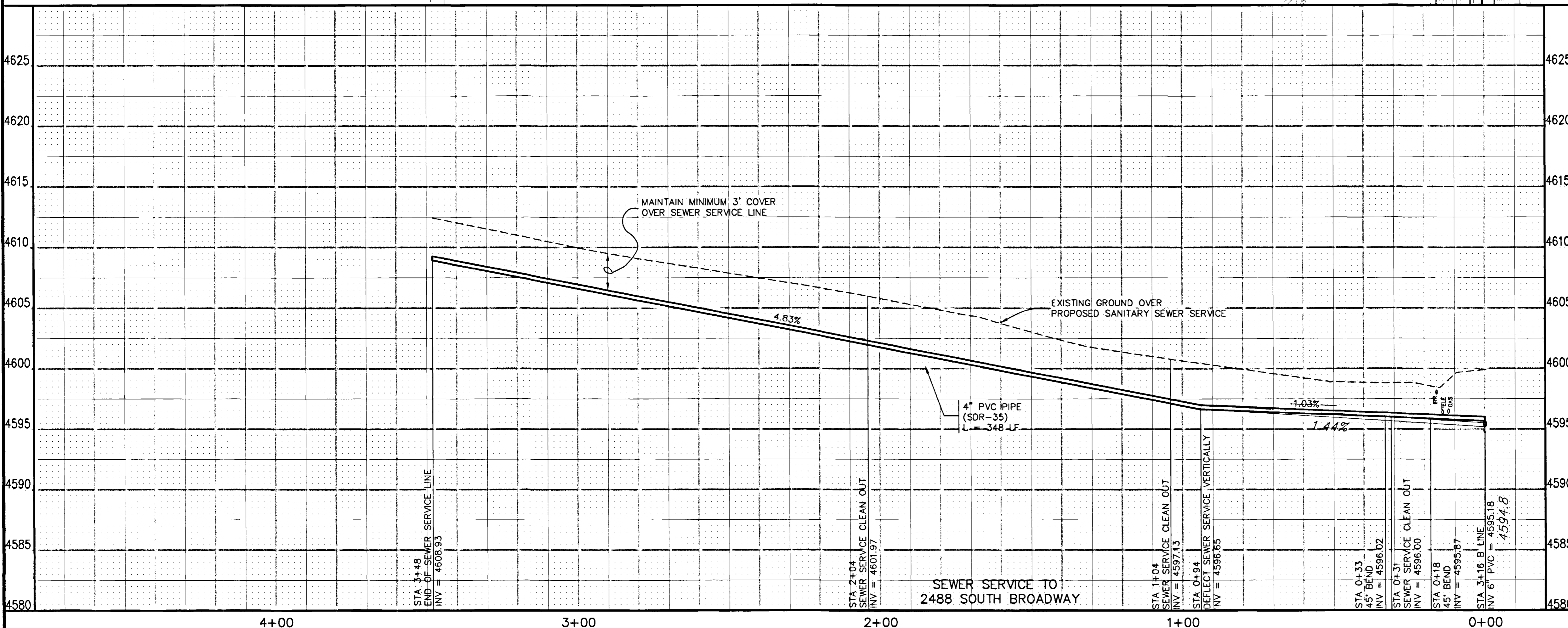
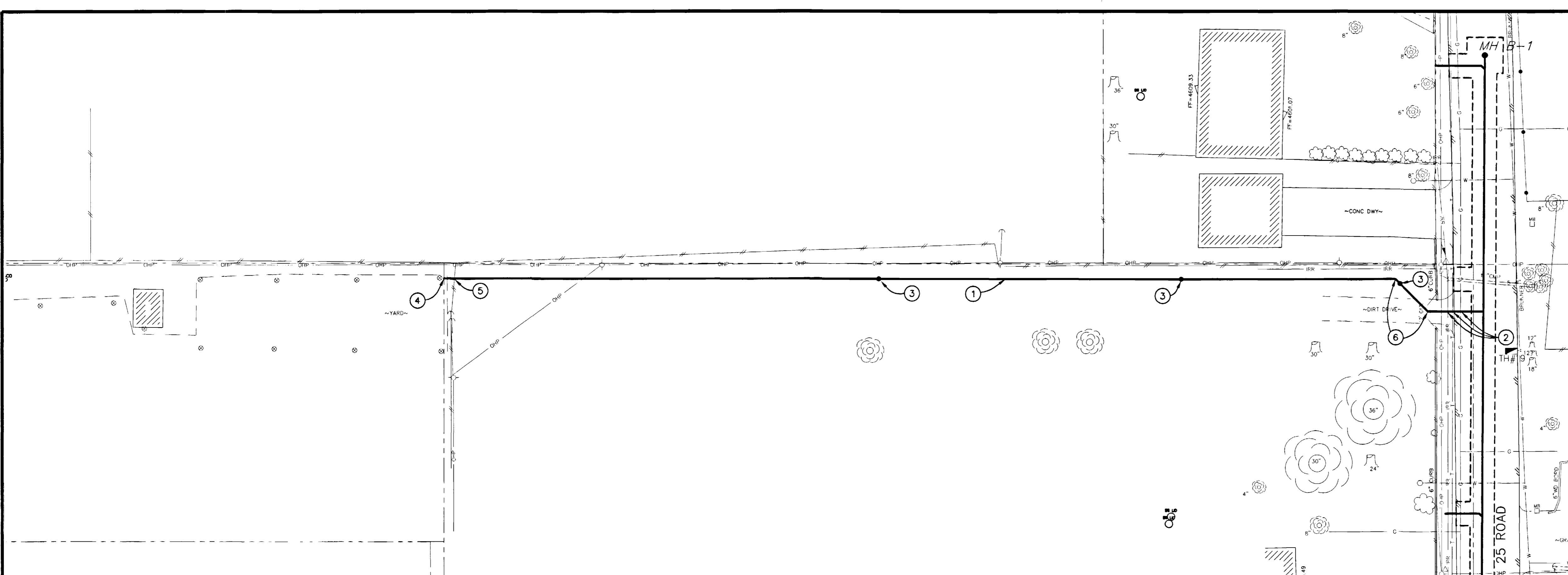
**DEPARTMENT OF PUBLIC WORKS AND UTILITIES
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS
 CITY OF GRAND JUNCTION, COLORADO**

**COUNTRY CLUB PARK # 2 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER SERVICE PLAN AND PROFILES
 FOR 304 COUNTRY CLUB PARK DR.
 AND 215 COUNTRY CLUB PARK DR.**



CONSTRUCTION NOTES

- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, REDLANDS WATER AND POWER COMPANY AND OR BRUNNER WATER COMPANY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), IRRIGATION LINES (REDLANDS W&P), AND OR BRUNNER WATER LINES.
- ③ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) (3 EA)
 0+31 (N 34523.18 E 84163.82)
 1+04 (N 34524.75 E 84091.44)
 2+04 (N 34524.84 E 83991.44)
- ④ END OF SERVICE LINE
 3+48 (N 34524.97 E 83847.56)
- ⑤ 210.00 RESET WOVEN WIRE FENCE (3' HEIGHT) AFTER COMPLETION OF SEWER INSTALLATION. SALVAGE AND RE-USE EXISTING FENCE MATERIALS.
- ⑥ 102.90 4" 45° PVC BEND (SDR-35) (2 EA)
 0+18 (N 34514.02 E 84172.96)
 0+33 (N 34524.68 E 84162.32)

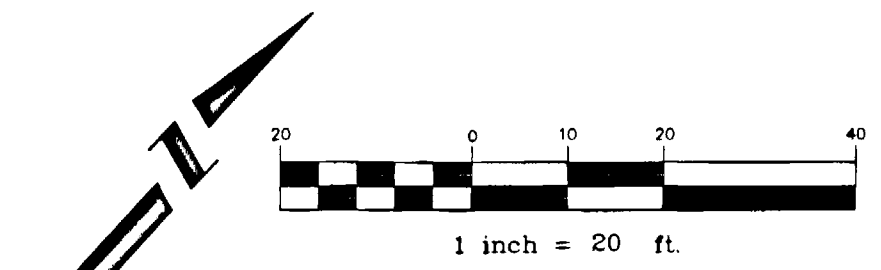


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION A			JCS	2001	PLAN 1"=20', PROFILE 1"=20'
REVISION B			JCS/SBG	2001	VERT. 1"=5'
REVISION C	ASBUILT	10-02	SBG	2001	
			APPROVED BY	DATE	

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

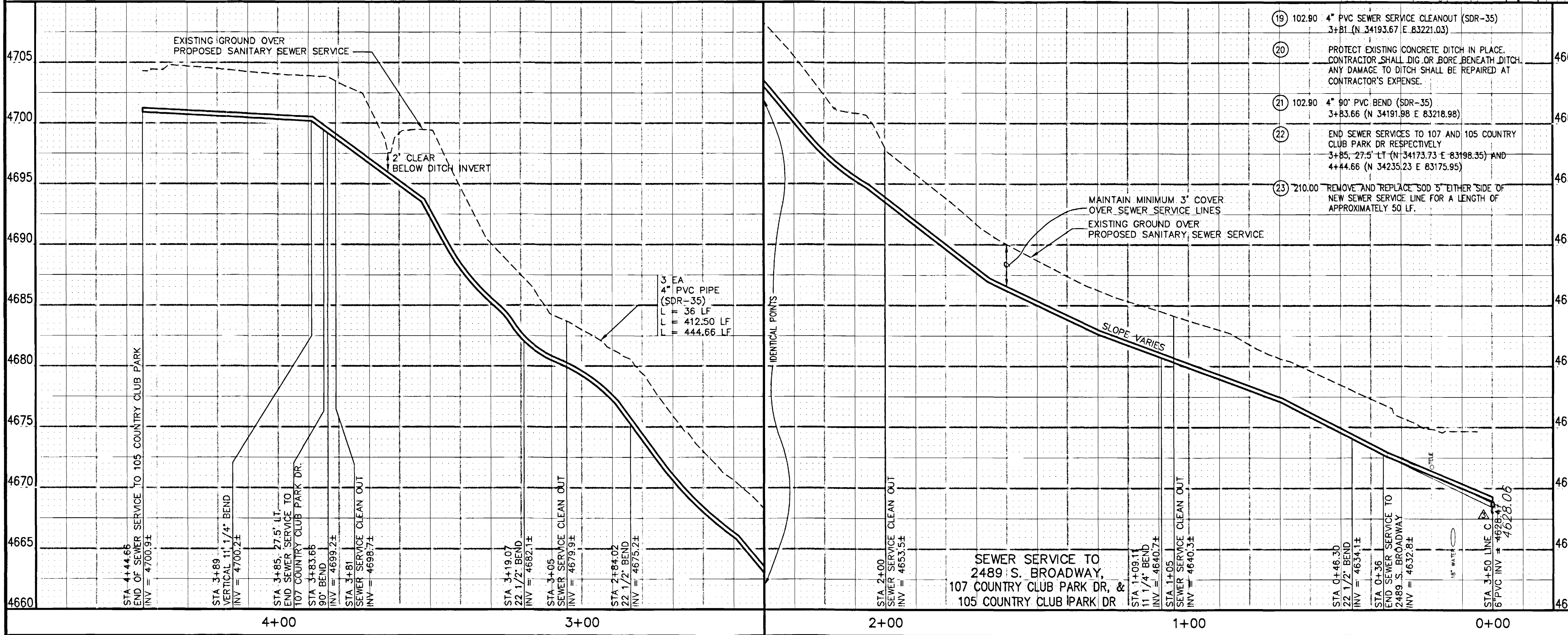
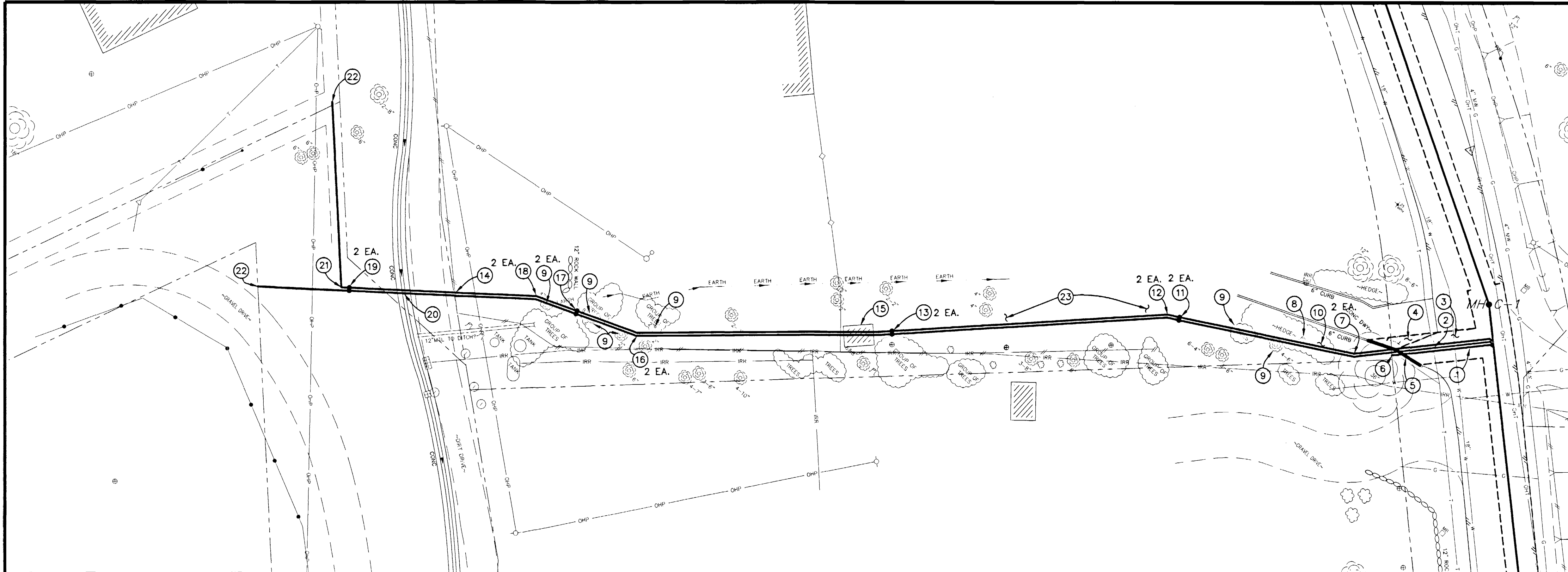
**COUNTRY CLUB PARK # 2 SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER SERVICE PLAN AND PROFILES
 FOR 2488 SOUTH BROADWAY**

- PROGRESS
- BID SET
- FINAL CONSTRUCTION DRAWINGS



CONSTRUCTION NOTES

- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② NOTIFY UTE WATER AND QWEST COMMUNICATIONS 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE) AND TELEPHONE LINES (QWEST)
- ③ 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL SERVICE LINES AND MAIN LINES WILL BE 6' MINIMUM TO 8' MAXIMUM CENTERED ON THE PIPE AND 12' FOR MANHOLES CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-180.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 50 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY OP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ④ 202.00 CONCRETE REMOVAL. REMOVE CONCRETE TO LIMITS AS SHOWN.
- 608.00 CONCRETE DRIVEWAY SECTION (RESIDENTIAL) PATCH CONCRETE DRIVEWAY IN KIND AS SHOWN.
- ⑤ 202.00 CONCRETE CURB REMOVAL (18 LF)
- 608.00 CONCRETE CURB. PATCH CONCRETE CURB IN KIND. (18 LF)
- ⑥ END OF SERVICE LINE TO 2489 SOUTH BROADWAY 0+36 (N 34405.90 E 83489.56)
- ⑦ 102.90 4" 22 1/2" PVC BEND (SDR-35) 0+46.30 (N 34399.51 E 83481.19)
- ⑧ 202.00 STUMP REMOVAL
- ⑨ 202.00 CONTRACTOR SHALL REMOVE ONLY MARKED TREES.
- ⑩ 202.00 TRIM HEDGE ONLY AS NEEDED TO CONSTRUCT NEW SEWER. HEDGE IS NOT TO BE REMOVED.
- ⑪ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 1+05 (N 34369.95 E 83430.48)
- ⑫ 102.90 4" 11 1/4" BEND (SDR-35) 1+09.11 (N 34367.88 E 83426.93)
- ⑬ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 2+00 (N 34303.00 E 83363.27)
- ⑭ 210.00 RESET WOVEN WIRE FENCE (3' HT) AFTER COMPLETION OF SEWER INSTALLATION. SALVAGE AND RE-USE EXISTING FENCE MATERIALS.
- ⑮ 210.00 REMOVE AND RESET TIN STORAGE SHED TO PRECONSTRUCTION LOCATION AFTER COMPLETION OF SEWER CONSTRUCTION.
- ⑯ 102.90 4" 22 1/2" PVC BEND (SDR-35) 2+84.02 (N 34246.25 E 83301.31)
- ⑰ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 3+05 (N 34238.29 E 83281.82)
- ⑱ 102.90 4" 22 1/2" PVC BEND (SDR-35) 3+19.07 (N 34233.00 E 83268.86)

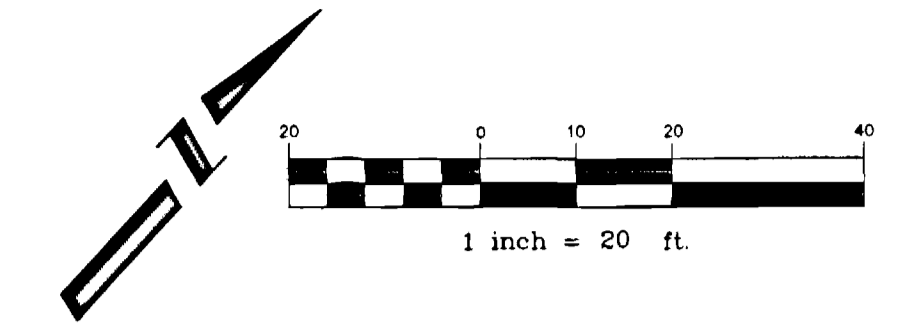


REVISION	DESCRIPTION	DATE
1	ASBUILT	10-02

DRAWN BY	JCS	DATE	2001
DESIGNED BY	JCS/SBG	DATE	2001
CHECKED BY	SBG	DATE	2001
APPROVED BY		DATE	

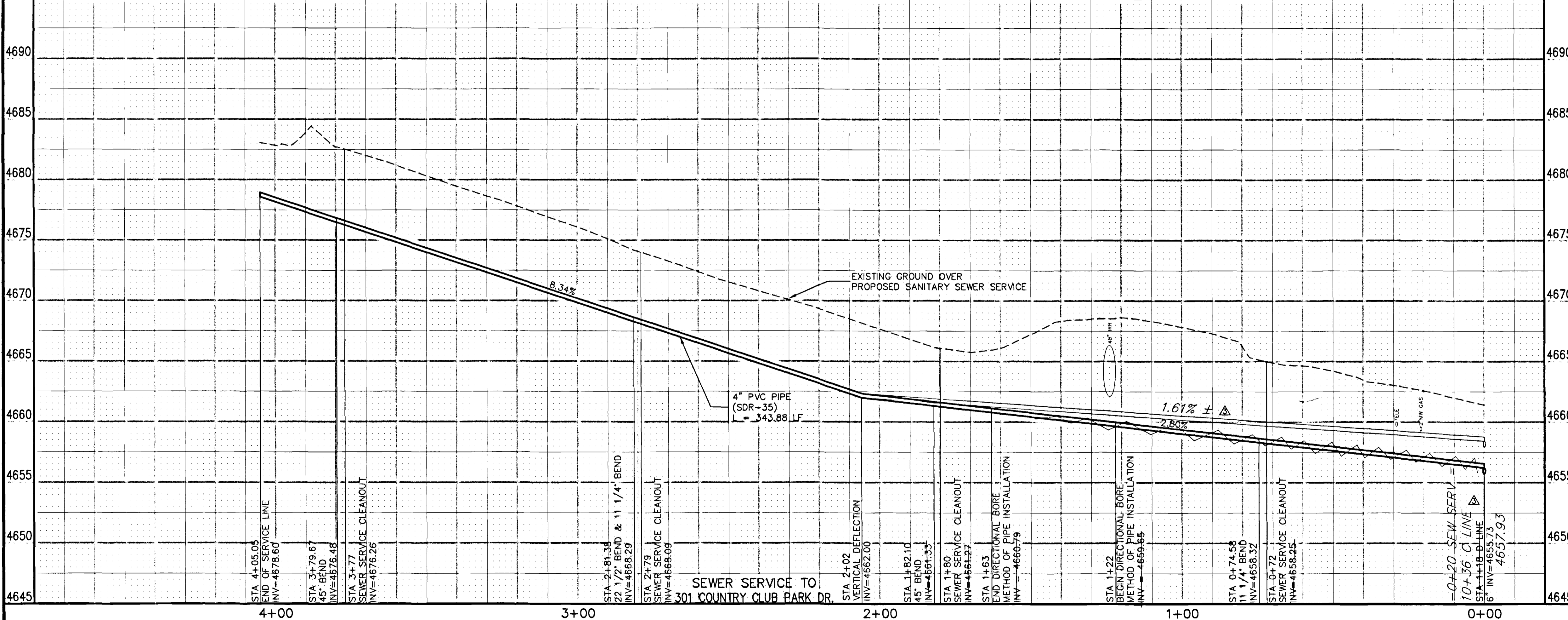
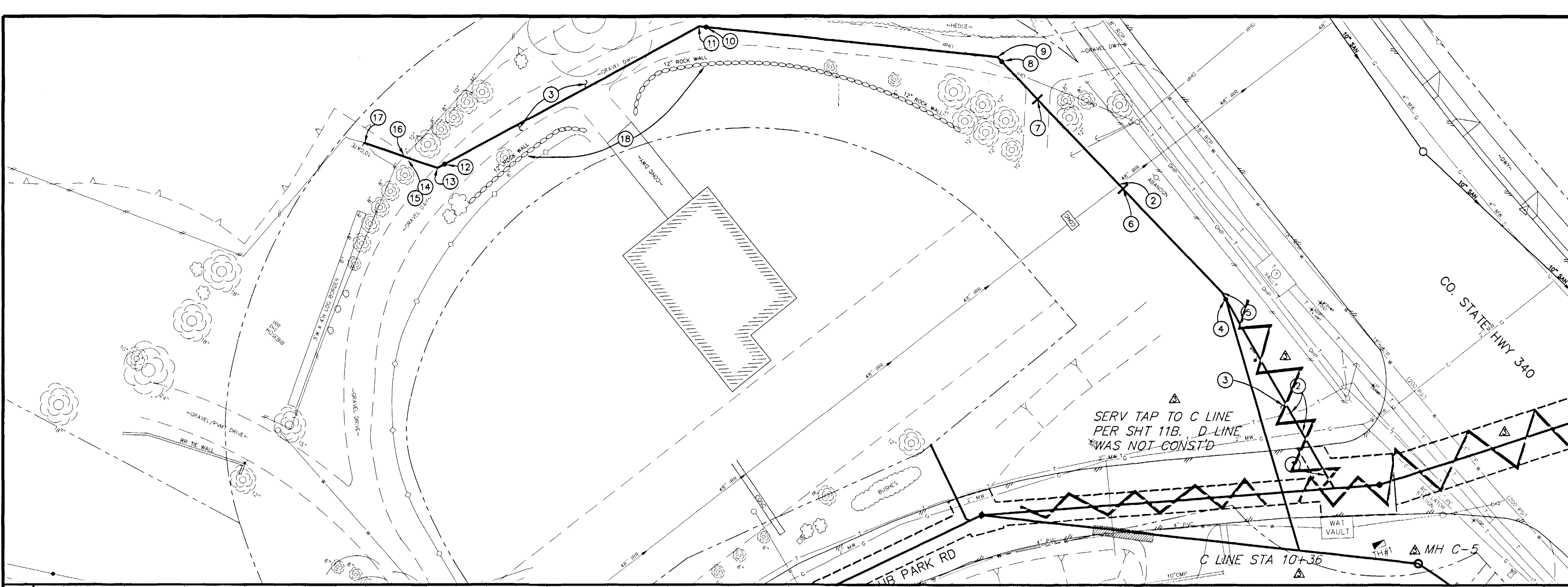
DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

COUNTRY CLUB PARK # 2 SEWER IMPROVEMENT DISTRICT
SANITARY SEWER SERVICE PLAN AND PROFILES
FOR 2489 SOUTH BROADWAY, 107 COUNTRY CLUB
PARK DR, AND 105 COUNTRY CLUB PARK DR



CONSTRUCTION NOTES

- ① 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED TO MEET THE INVERT ELEVATION SHOWN ON THE PLANS. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR REDLANDS WATER AND POWER COMPANY 48 HOURS PRIOR TO EXCAVATIONS/BORINGS THAT WILL EXPOSE/CROSS WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (REDLANDS W&P).
- ③ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE/SHOULDER AFTER COMPLETION OF SEWER INSTALLATION.
- ④ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 0+72 (N 34579.47 E 82811.79)
- ⑤ 102.90 4" 11 1/4" PVC BEND (SDR-35) 0+74.58 (N 34580.27 E 82809.34)
- ⑥ BEGIN DIRECTIONAL BORE METHOD OF PIPE INSTALLATION. STA 1+22 (N 34583.74 E 82762.05)
- ⑦ END DIRECTIONAL BORE METHOD OF PIPE INSTALLATION. STA 1+63 (N 34586.75 E 82721.16)
- ⑧ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 1+80 (N 34587.99 E 82704.20)
- ⑨ 102.90 45° PVC BEND (SDR-35) 1+82.10 (N 34588.15 E 82702.10)
- ⑩ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 2+79 (N 34530.77 E 82624.02)
- ⑪ 102.90 22 1/2" PVC BEND (SDR-35) AND 11 1/4" PVC BEND (SDR-35) 2+81.38 (N 34529.36 E 82622.10)
- ⑫ 102.90 4" PVC SEWER SERVICE CLEANOUT (SDR-35) 3+77 (N 34439.31 E 82589.93)
- ⑬ 102.90 45° PVC BEND (SDR-35) 3+79.67 (N 34436.79 E 82589.03)
- ⑭ 202.00 TREE STUMP REMOVAL
- ⑮ 210.00 RESTORE ROCK BORDER TO PRECONSTRUCTION CONDITION AFTER SEWER CONSTRUCTION. CONTRACTOR SHALL CAREFULLY REMOVE AND REPLACE, BY HAND, ROCKS IN THIS AREA.
- ⑯ 210.00 RESTORE WOVEN WIRE FENCE TO PRECONSTRUCTION CONDITION AFTER SEWER CONSTRUCTION.
- ⑰ END OF SEWER SERVICE STA 4+05.05 (N 34426.84 E 82565.68)
- ⑱ CONTRACTOR SHALL PROTECT EXISTING ROCK RETAINING WALL IN PLACE.



REVISION Δ _____ DATE _____	DESIGNED BY JCS DATE 2001	SCALE PLAN 1"=20' PROFILE 1"=5' HORIZ. 1"=20' VERT. 1"=5'
REVISION Δ _____ DATE _____	CHECKED BY SBG DATE 2001	
REVISION Δ ASBUILT _____ DATE 10-02	APPROVED BY _____ DATE _____	

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

COUNTRY CLUB PARK # 2 SEWER IMPROVEMENT DISTRICT
SANITARY SEWER SERVICE PLAN AND PROFILES
304 COUNTRY CLUB PARK DR.