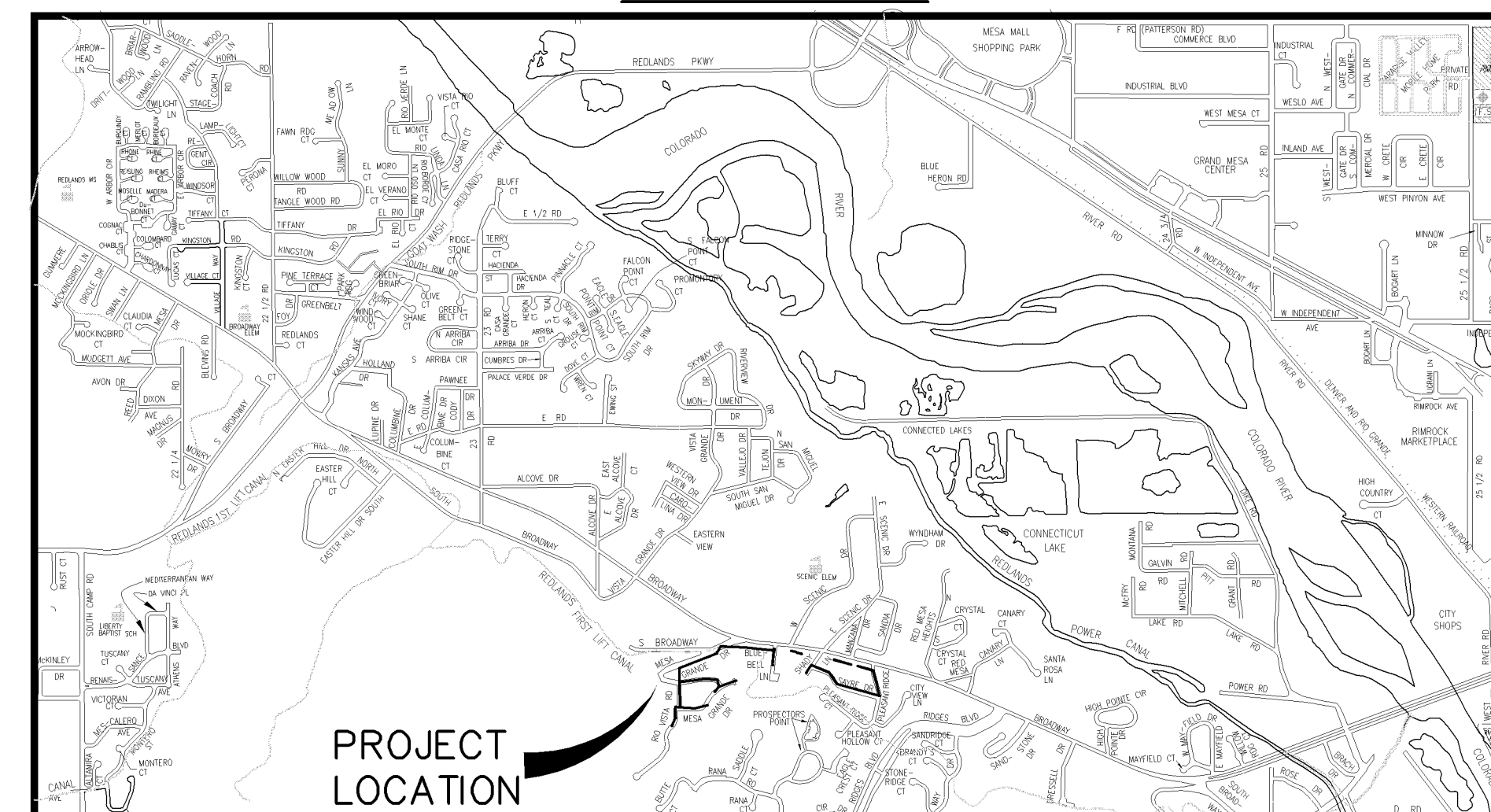


MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT AS BUILT RECORDS: MARCH 2006

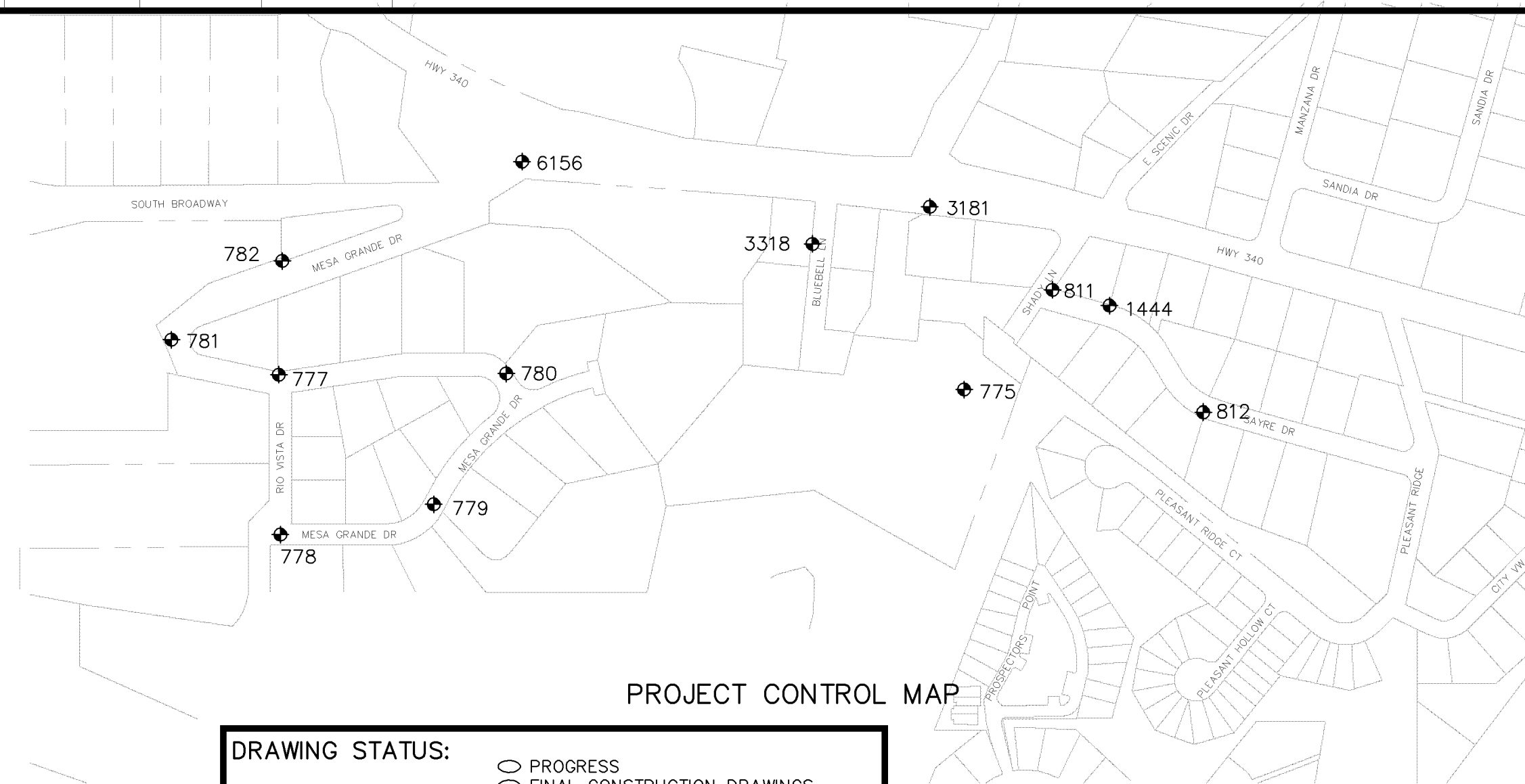
VICINITY MAP



- 1 _____ Cover Sheet
- 2 _____ Standard Abbreviations, Legend, and Symbols
- 3 _____ Summary of Approximate Quantities
- 4-18 _____ Sanitary Sewer Plan And Profiles
- 19-23 _____ Sanitary Sewer Service Plan And Profiles

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
775	35984.977	77913.18	4704.68	RR SPIKE SET AT THE SOUTH END OF SHADY LN
777	36019.289	76331.35	4752.61	PK NAIL SET N. EDGE PAVEMENT INTERSECTION OF MESA GRANDE AND RIO VISTA
778	35651.013	76334.92	4752.13	RR SPIKE SET IN THE DRIVEWAY OF 303 MESA GRANDE
779	35720.659	76688.93	4757.77	RR SPIKE SET IN THE MIDDLE OF THE PAVEMENT SOUTH OF 312 MESA GRANDE
780	36021.619	76856.61	4753.47	PK NAIL SET IN E. EDGE PAVEMENT WEST OF 226 MESA GRANDE
781	36099.669	76083.48	4749.3	PK NAIL SET IN W. EDGE PAVEMENT EAST OF 120 MESA GRANDE
782	36281.653	76339.20	4715.77	FOUND PIN LS 11648 STA 14+00±, 80± FEET RT, LINE D
811	36215.31	78117.43	4689.17	FOUND NO. 6 REBAR JUST N. OF POWER POLE AT NE COR INTERSECTION OF SAYRE AND SHADY
812	35933.089	78465.21	4684.95	PK NAIL SET IN S. EDGE PAVEMENT NORTH OF 2389 SAYRE
1444	36178.905	78248.99	4686.9	FOUND NO. 6 REBAR AT SOUTHWEST FENCE CORNER 2389 BROADWAY
3181	36406.715	77833.90	4678.02	FOUND CDOT SURVEY MONUMENT 11 FEET S. OF S. EDGE PAVEMENT INTERSECTION OF BROADWAY AND W SCENIC
3318	36321.561	77563.21	4682.32	60 PENNY NAIL SET 6± FEET NORTH EAST OF THE SOUTH EAST CORNER CONC WALL 441 BLUEBELL
6156	36511.212	76893.01	4688.98	FOUND CDOT SUR. MON. IN N. EDGE PAVEMENT 80 FEET W. OF INTERSECTION OF BROADWAY AND MESA GRANDE

UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
GRAND JUNCTION, CITY OF	PAUL JAGIM	PROJECT ENGINEER	PROJECT ENGINEER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 256-4023	(970) 256-4022
GRAND JUNCTION, CITY OF	BRET GUILLORY	UTILITY ENGINEER	SANITARY SEWER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 244-1590	(970) 256-4022
REDLANDS WATER AND POWER	GREG STRONG		IRRIGATION	2518 MONUMENT RD	2518 MONUMENT RD	GRAND JCT., CO 81503	(970) 243-2173	
BRESNAN	GLENN VANCIL		CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
U.S. WEST/QWEST	DAN WISEMAN	ENGINEER	TELEPHONE	2524 BLICKMAN ROAD	2524 BLICKMAN ROAD	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	DARYL MOORE	ENGINEER	WATER	PO BOX 460		GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	STEVE LOPEZ	PROJECT MANAGER	GAS, ELECTRIC	2538 BLICKMAN ROAD	2538 BLICKMAN ROAD	GRAND JCT., CO 81504	(970) 244-2698	(970) 244-2661



Public Works & Utilities
Engineering Division

DRAWING STATUS: ○ PROGRESS ○ FINAL CONSTRUCTION DRAWINGS ● ASBUILT	
REVIEW BY: <i>[Signature]</i> BRET GUILLORY, UTILITY ENGINEER	AUTHORIZED FOR CONSTRUCTION <i>[Signature]</i> MIKE MCDILL, CITY ENGINEER
AUTHORIZED FOR CONSTRUCTION <i>[Signature]</i> D. PAUL JAGIM, PROJECT ENGINEER	ACCEPTED AS CONSTRUCTED 5-9-05 CITY OF GRAND JUNCTION

MESA GRANDE/BLUE BELL SID, MARCH 2006

N:\Utilities\GIS\11 Mesa Grande\ASBUILT\MESA GRANDE AS BUILT RECORDS\906-F48218.DWG

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
F	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

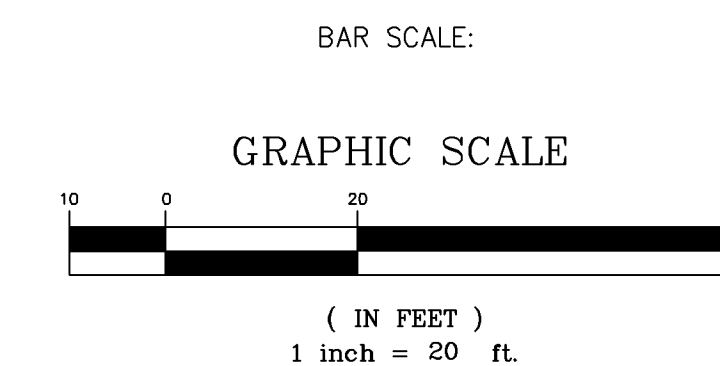
LEGEND

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 (WOOD)	
FENCE (WOVEN WIRE)	
GUARD RAIL	
HATCHING: INDICATES ASPHALT REMOVAL/REPLACEMENT	
HATCHING: INDICATES ABC AND/OR DECORATIVE ROCK AS NOTED ON PLAN	
HATCHING: INDICATES SOD	
HATCHING: INDICATES CONCRETE REMOVAL/REPLACEMENT	
HATCHING: INDICATES NATIVE SEED MIX	
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)	

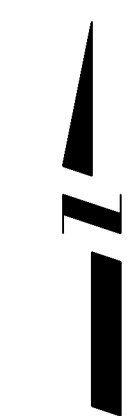
PROPOSED CONCRETE CURB AND GUTTER	
PROPOSED CONCRETE CURB, GUTTER, & SIDEWALK	
PROPOSED CONCRETE SIDEWALK	
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT 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	



NORTH ARROW:



REVISION	DESCRIPTION	DATE
REVISION Δ		
REVISION Δ		
REVISION Δ		
REVISION Δ		

DRAWN BY	JCS	DATE	4-02
DESIGNED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	

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



PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

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

Mesa Grande SID - Pay Items List

11/18/2004

FINAL - BID SET

CDOT/City Ref. #	Description	Quantity	Units
1	108.2 Imported Trench Backfill (including haul and disposal of unsuitable excavated material).	6200	TON
2	108.2 12" Culvert (C-900 PVC).	135	LF
3	108.2 4" Gravity Sewer Pipe (SDR 35 PVC).	2620	LF
4	108.2 6" Gravity Sewer Pipe (SDR 35 PVC).	5225	LF
5	108.2 4" Gravity Sewer Pipe (SDR-17) (Yelomine Restrained Joint) (Directional Bore).	360	LF
6	108.2 6" Gravity Sewer Pipe (SDR-17) (Yelomine Restrained Joint) (Directional Bore).	415	LF
7	108.2 Concrete Cap of Sewer Pipe.	230	LF
8	108.3 6" x 4" Sewer Service Connection.	58	EA
9	108.3 6" x 4" Inserta-Tee Sewer Service Connection (Service Connection on Directional Bored Pipe).	9	EA
10	108.5 Connect to Existing Manhole (6" pipe).	3	EA
11	108.5 Sanitary Sewer Basic Manhole Components (48" I.D.).	28	EA
12	108.5 Sanitary Sewer Basic Manhole Components (48" I.D.)(Drop Manhole).	1	EA
13	108.5 Manhole Barrel (D > 5') (48" I.D.).	94	LF
14	108.5 Manhole Barrel (D > 5') (48" I.D.)(Drop Manhole).	7	LF
15	108.5 Sewer Service Cleanout (within ROW).	8	EA
16	108.5 Sewer Service Cleanout (outside ROW).	2	EA
17	108.7 Granular Stabilization Material (Type B).	930	TON
18	201 Clearing and Grubbing.	1	LS
19	202 Remove Tree.	6	EA
20	202 Remove Bush.	6	EA
21	202 Removal of Concrete Pavement.	52	SY
22	202 Removal of Asphalt Pavement (Planing).	2267	SY
23	108.8/203 Rock Excavation.	650	CY
24	206 Structure Backfill (Flow-fill).	390	CY
25	207 Topsoil (12" thick).	523	SY
26	209 Dust Abatement.	80	DAY
27	210 Reset Sprinkler System (per each property).	9	EA
28	210 Reset Landscape Appurtenances.	592	SY
29	210 Reset Wood Border.	200	LF
30	210 Reset Stone Border.	100	LF
31	210 Reset Mailbox.	6	EA
32	210 Reset Fence.	215	LF
33	210 Reset Post.	4	EA
34	210 Reset Water Meter and Pit.	3	EA
35	212 Sod.	523	SY
36	212 Seeding (Native).	0.15	ACRE
37	213 Hydraulic Mulching.	0.15	ACRE
38	304 Aggregate Base Course (Class 6)(4" thick).	2244	SY
39	304 Aggregate Base Course (Class 6)(6" thick).	2267	SY
40	401 Hot Bituminous Pavement (Patching)(3" thick)(Grading SX, Binder Grade PG 64-22).	2267	SY
41	601 Concrete Irrigation Sump Structure.	1	LS
42	607 Temporary Fence	135	LF
43	608 Concrete Curb & Gutter (Width and Style may vary).	8	SY
44	608 Concrete Sidewalk (4" thick).	9	SY
45	608 Concrete Driveway Section (6" thick).	31	SY
46	620 Portable Sanitary Facility.	1	EA
47	625 Construction Surveying.	1	LS
48	626 Mobilization.	1	LS
49	629 Survey Monument (Complete in Place)(Type: Property Pin).	5	EA
50	630 Traffic Control (Complete in Place).	1	LS
51	630 Traffic Control Plan.	1	LS
52	630 Flagging.	150	Hour
53	GCC56 Newsletter (Approximately 70 per distribution. Distributed Weekly).	1	LS

N:\1117101\1117101 Mesa Grande SID\Map\GIS\1117101 Mesa Grande SID.dwg Summary: 11/18/04 10:32 AM

REVISION Δ	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			DESIGNED BY	DATE
REVISION Δ			CHECKED BY	DATE
REVISION Δ			APPROVED BY	DATE

SCALE

N.T.S.

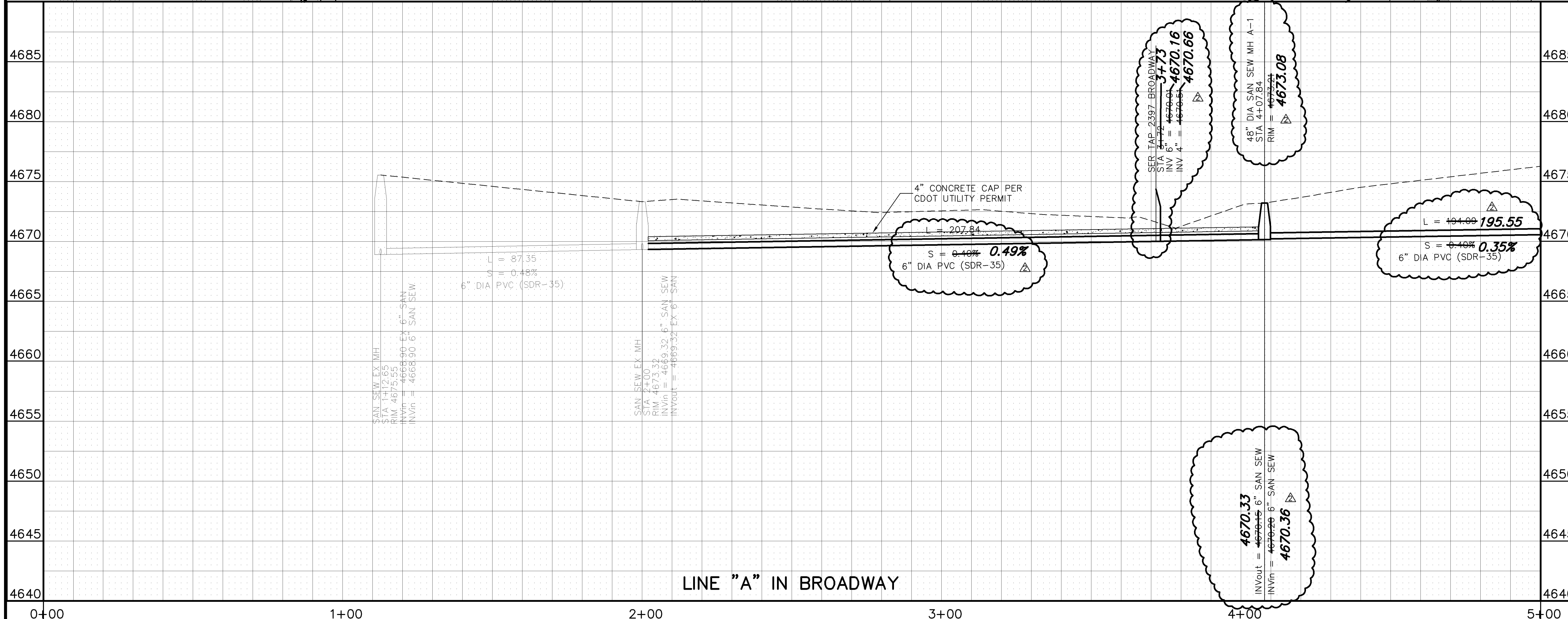
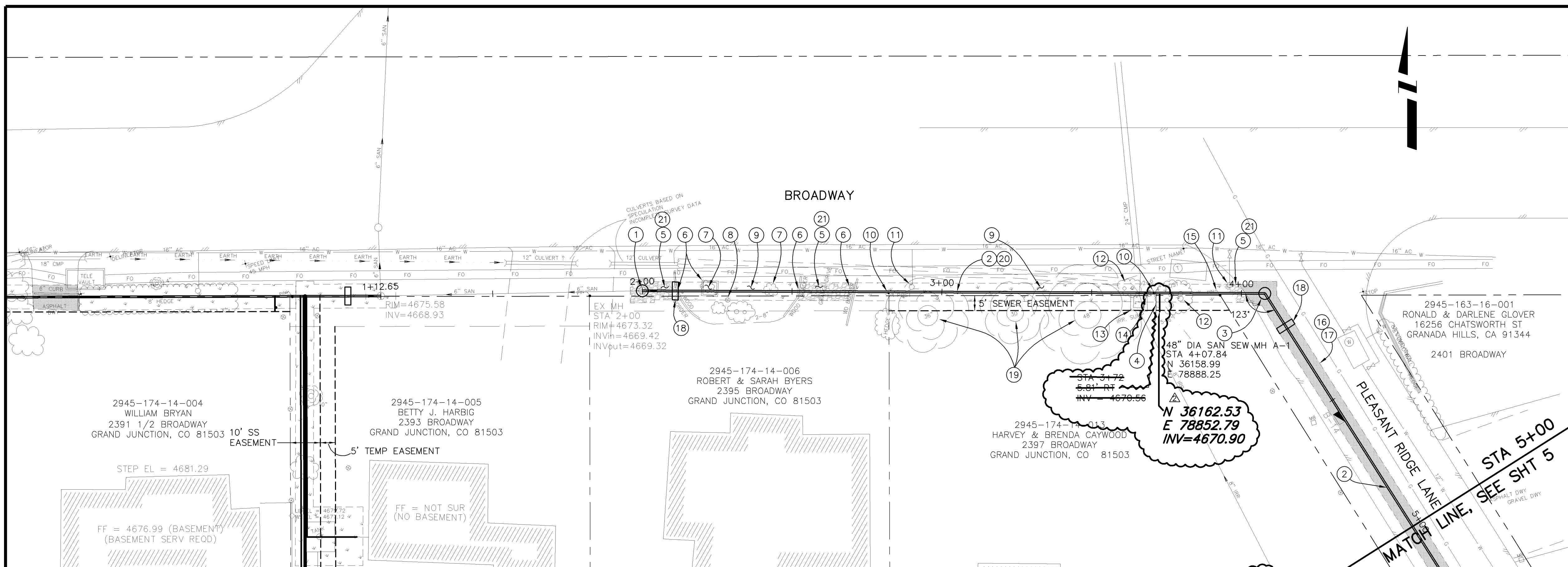


PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

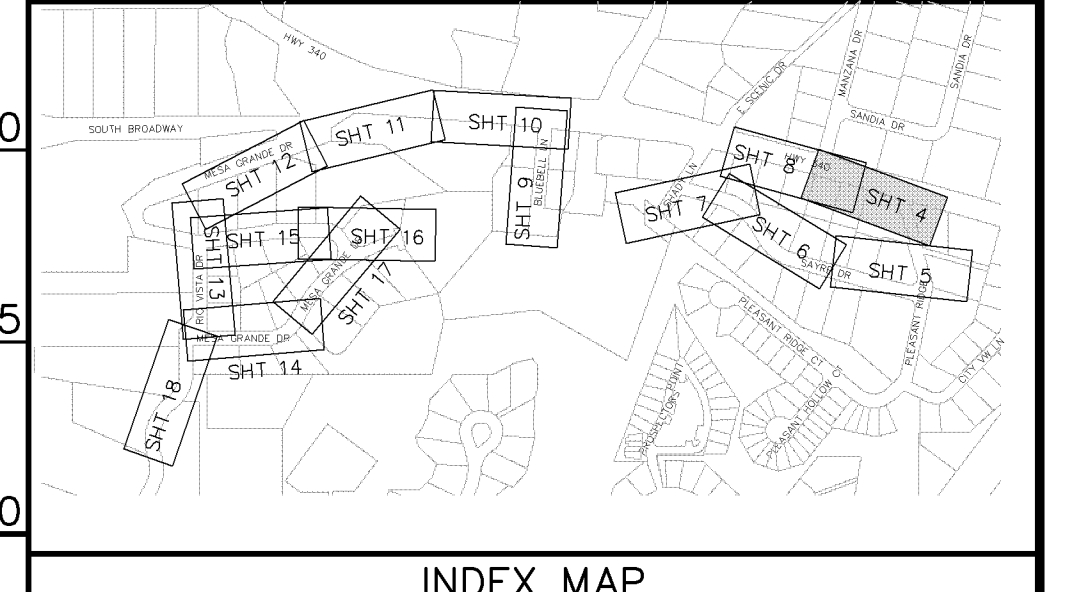
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SUMMARY OF APPROXIMATE QUANTITIES

CONSTRUCTION NOTES

- ① 102 - CONNECT TO EXISTING MANHOLE AND CONSTRUCT NEW POURED IN PLACE CONCRETE INVERT
- ② 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③ 102.11 - 48" DIA. SANITARY SEWER SHALLOW MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-03). INSTALL INVERT EPOXY GEL.
- ④ 102/103/104 - INSTALL NEW 4" SEWER SERVICE TAP TO EASEMENT LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 210 - RESET WOOD BORDER
- ⑦ 202 - REMOVE BUSH
- ⑧ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑨ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑩ 210 - RESET WOOD POST
- ⑪ 210 - RESET WATER METER OUTSIDE CONSTRUCTION LIMITS.
- ⑫ 202 - REMOVE TREE.
- ⑬ 210 - RECONSTRUCT CONCRETE IRRIGATION SUMP. RECONSTRUCTED IRRIGATION SUMP SHALL MATCH EXISTING SUMP DIMENSION AND FUNCTIONALITY. THE CONTRACT UNIT PRICE FOR RECONSTRUCTING CONCRETE IRRIGATION SUMP SHALL INCLUDE THE COST FOR REMOVAL OF THE EXISTING SUMP.
- ⑭ 210 - RESET POWER OUTLET TO PUMP LOCATION.
- ⑮ 629 - REFERENCE AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- ⑯ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑰ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑱ 104 - GRAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑲ PROTECT TREE. REFER TO PROJECT SPECIAL PROVISIONS FOR ROOT SEVERING TREATMENT.
- ⑳ 608 - PLACE 4" THICK CONCRETE CAP PER CDOT UTILITY PERMIT FROM 2+00 TO 4+07.84
- ㉑ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK)



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION B	AS BUILT PER CONTRACTOR	3-06		
REVISION C				
REVISION D				

SCALES:

PLAN	PROFILE
HORIZONTAL 1" = 20'	HORIZONTAL 1" = 20'
VERTICAL 1" = 5'	VERTICAL 1" = 5'

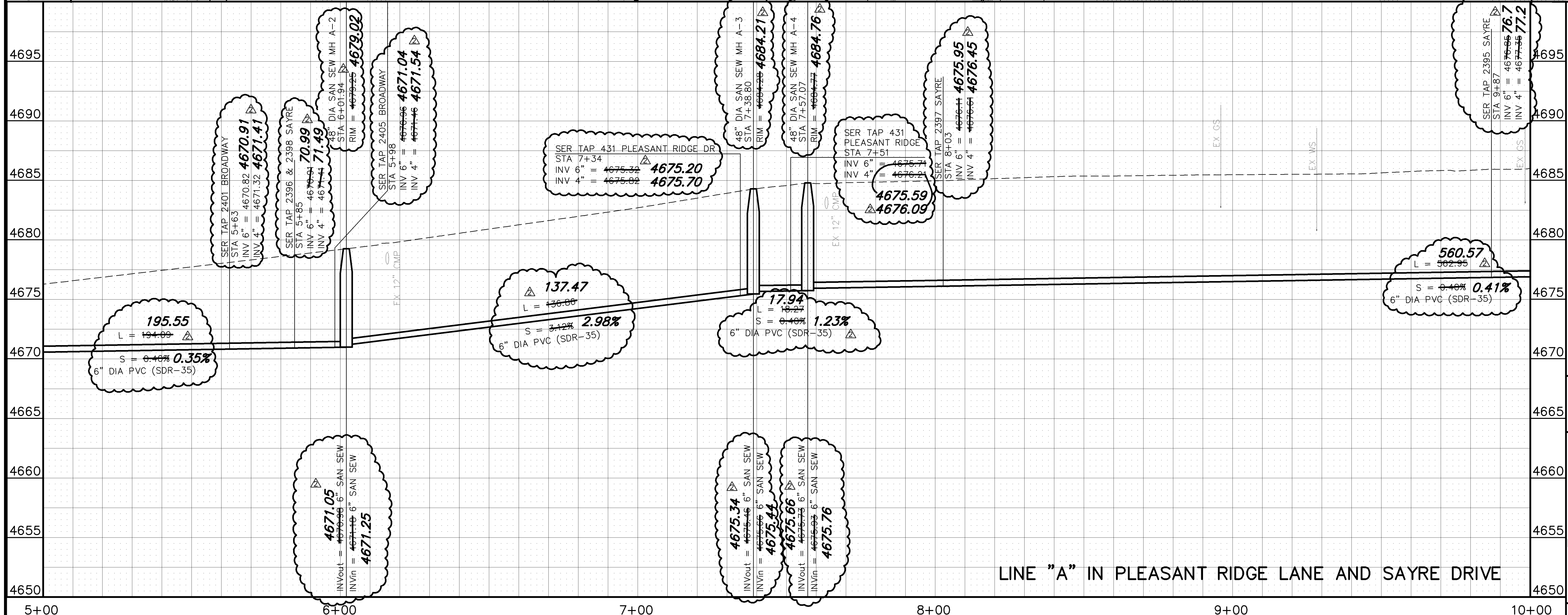
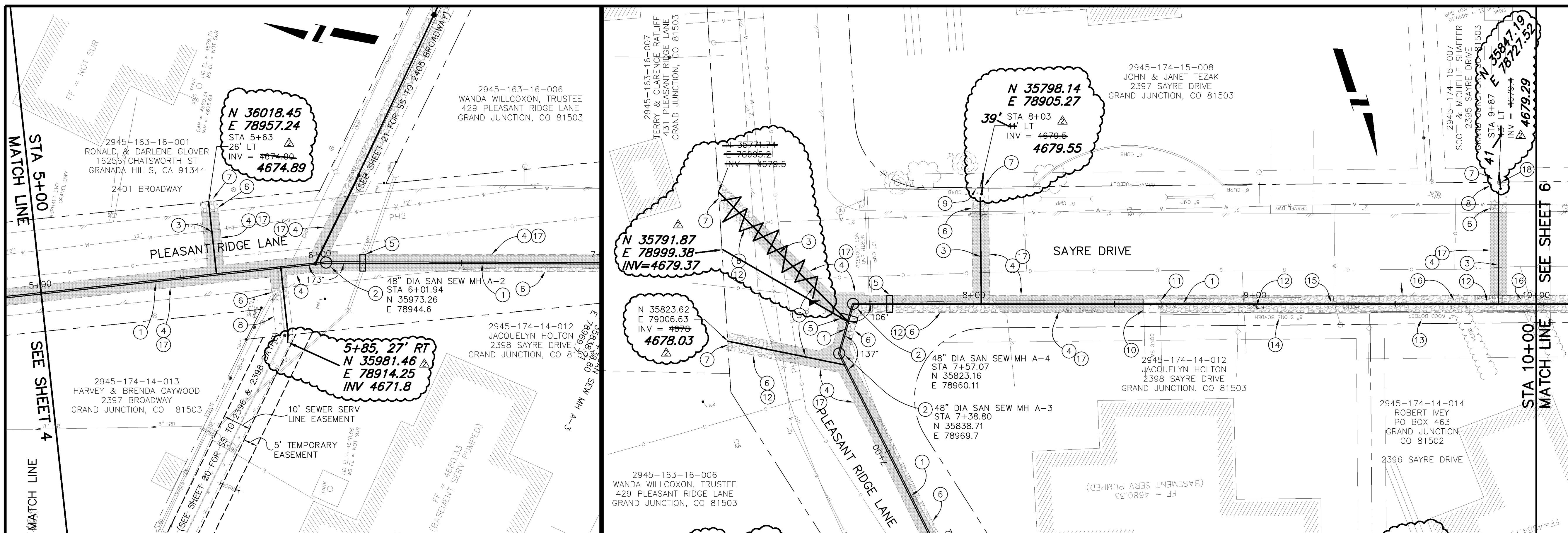
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
 STA 0+00 TO STA 5+00

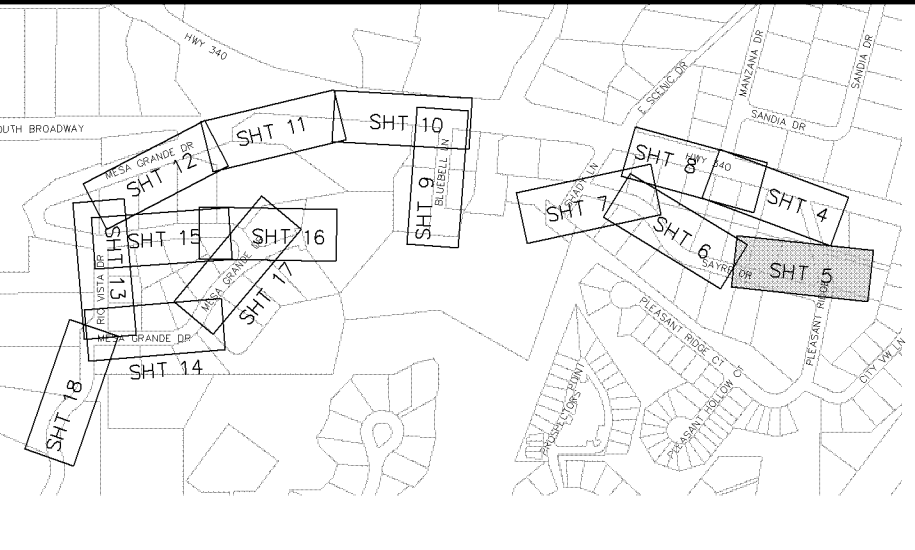
CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑥ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑨ 202/608 - REMOVE AND REPLACE CONCRETE CURB.
- ⑩ 202/608 - REMOVE AND REPLACE CONCRETE SIDEWALK. (4" THICK)
- ⑪ 210 - RESET MAILBOX

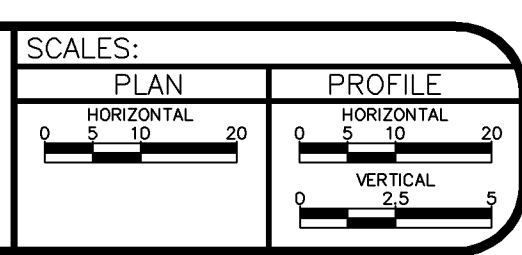


- ⑫ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK).
- ⑬ 210 - RESET WOOD BORDER
- ⑭ 210 - RESET STONE BORDER
- ⑮ 210.04 - RESET FENCE (55 LF) CONTRACTOR SHALL INSTALL AND MAINTAIN DOG PROOF TEMPORARY FENCE WHILE PERMANENT FENCE IS REMOVED FOR CONSTRUCTION.
- ⑯ 202 - REMOVE BUSH AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑰ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑱ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2004
REVISION	EASEMENT LOCATIONS SHOWN	4-26-05	DESIGNED BY		DATE	
REVISION	AS BUILT PER CONTRACTOR	3-06	CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

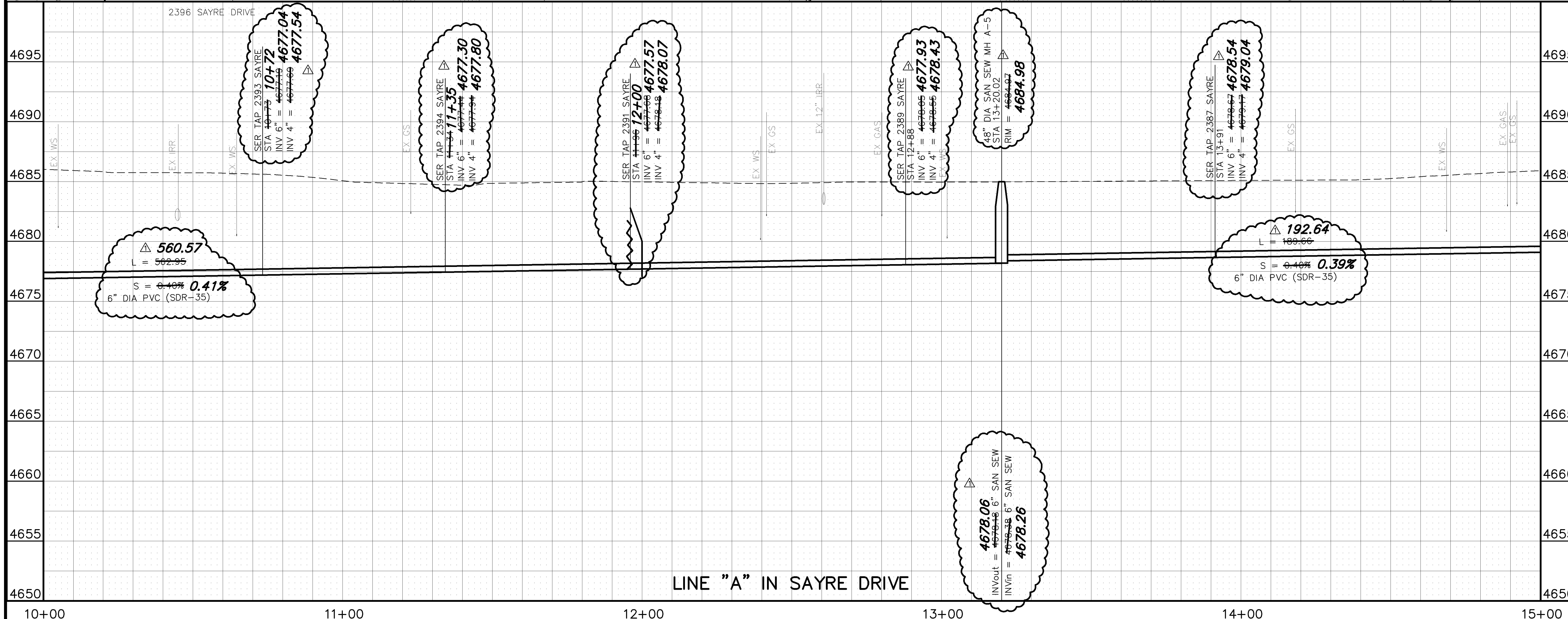
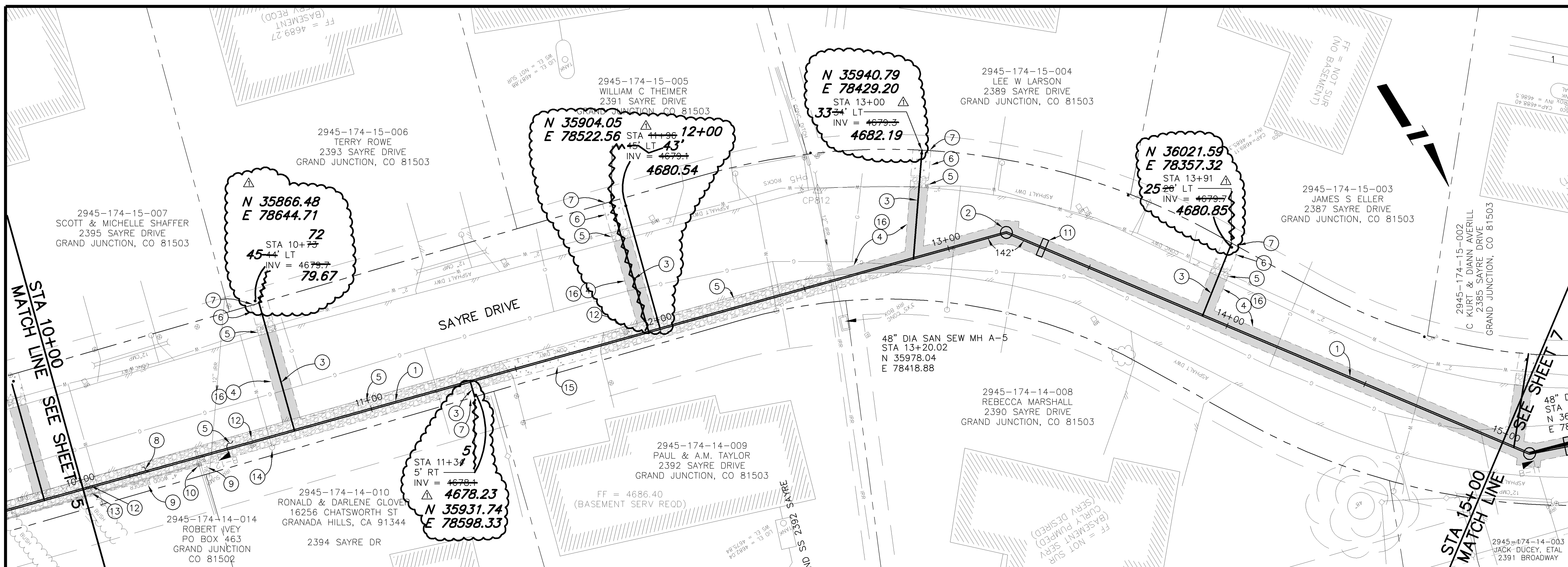


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

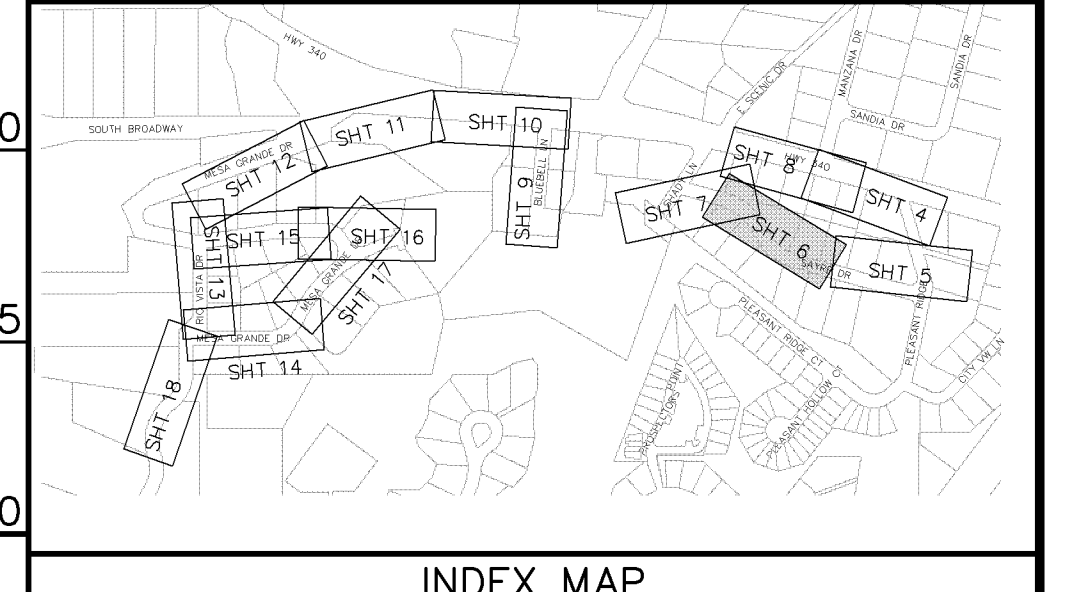
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 5+00 TO STA 10+00

CONSTRUCTION NOTES

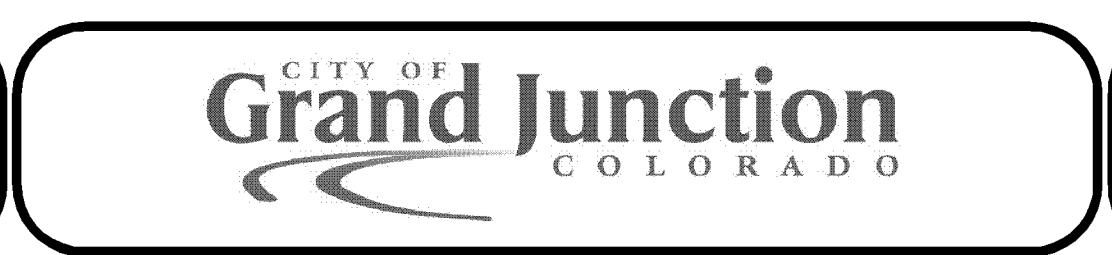
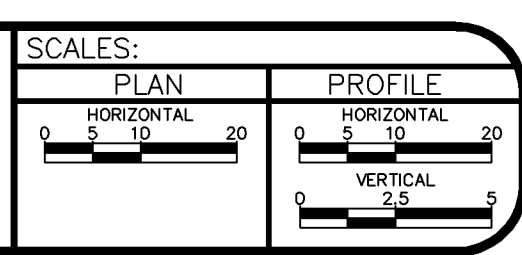
- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK).
- ⑨ 210 - RESET WOOD BORDER
- ⑩ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑪ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑫ 210 - RESET MAILBOX
- ⑬ 202 - REMOVE BUSH AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑭ 210 - RESET WATER METER OUTSIDE CONSTRUCTION LIMITS.
- ⑮ 202/608 - REMOVE AND REPLACE CONCRETE DRIVEWAY TO THE LIMITS SHOWN. (6" THICK)
- ⑯ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).



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REVISION	AS BUILT PER CONTRACTOR	3-06	DESIGNED BY		DATE	
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

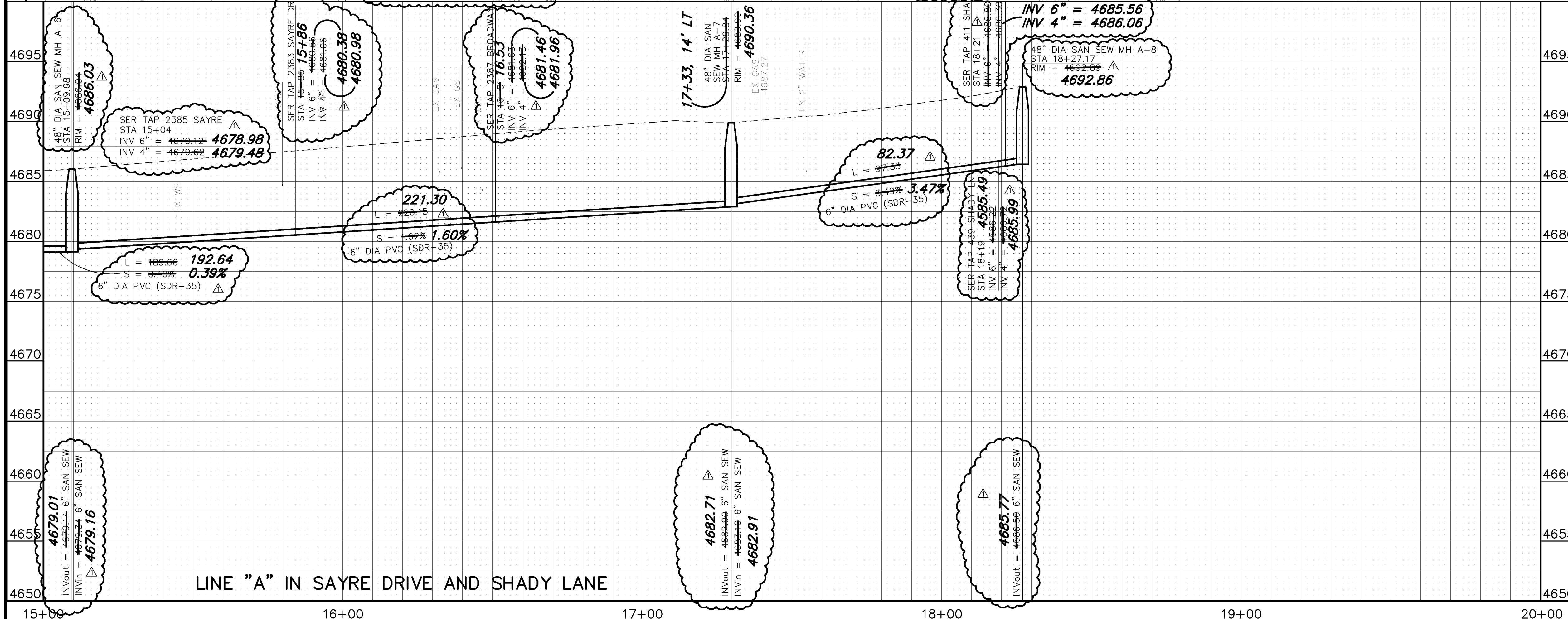
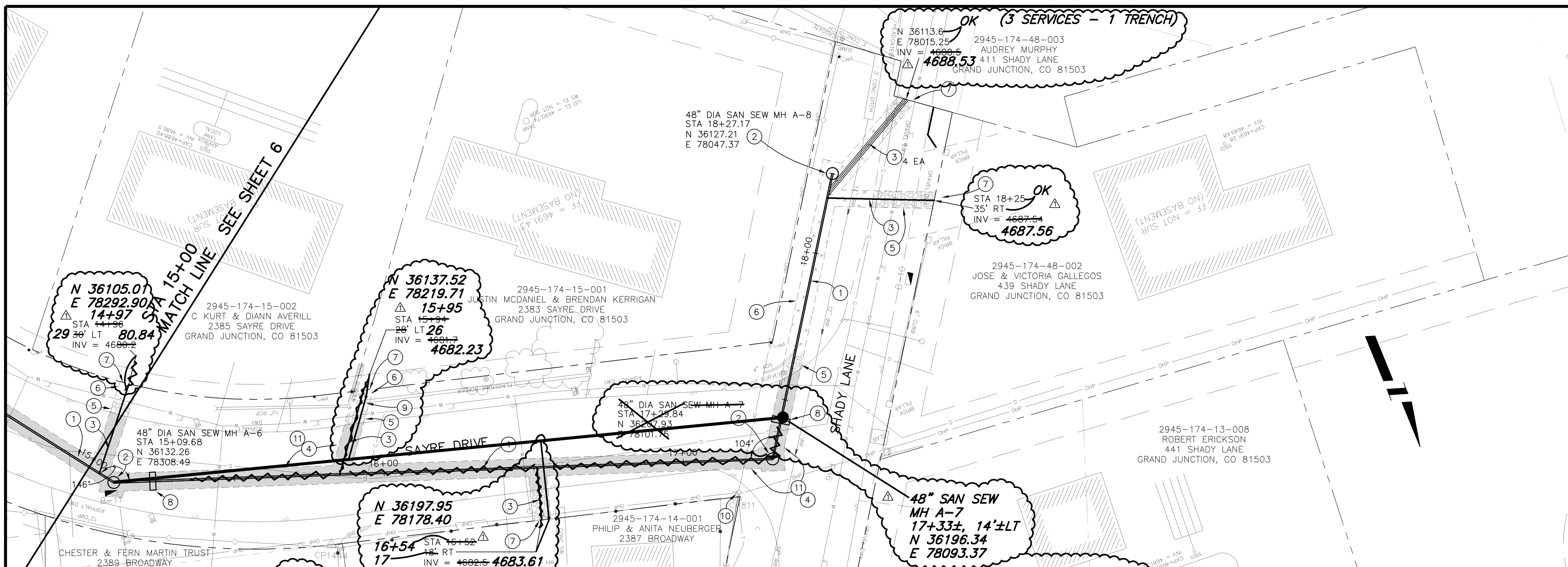


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

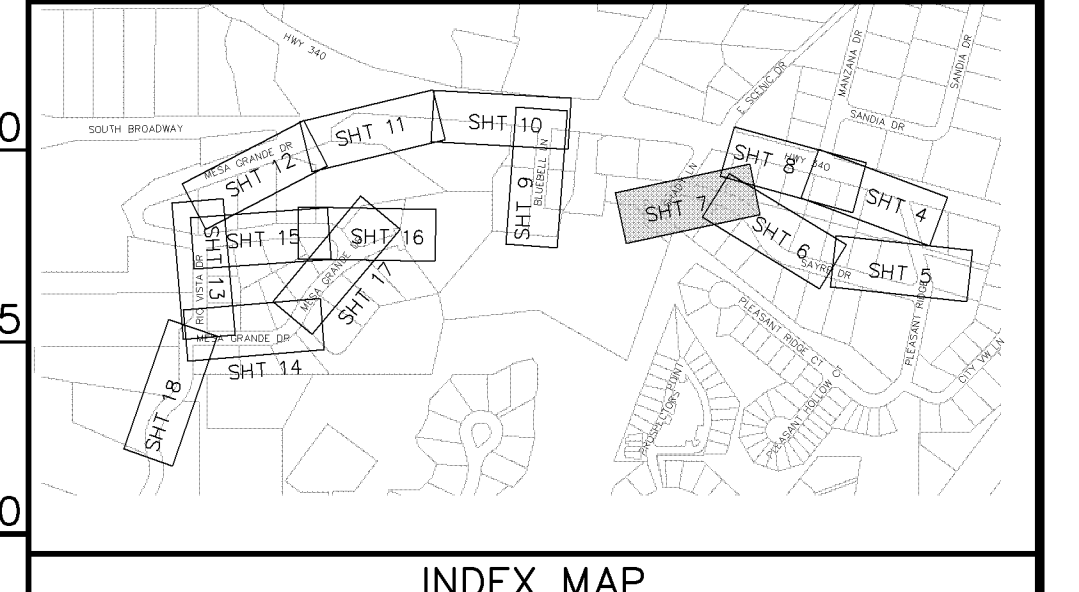
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 10+00 TO STA 15+00

CONSTRUCTION NOTES

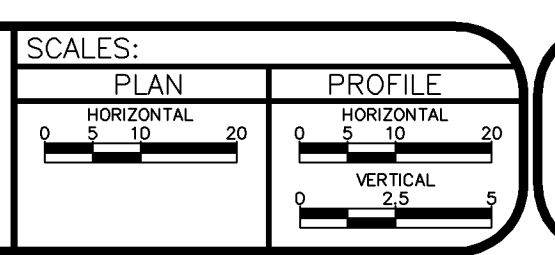
- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑨ 210 - RESET STONE BORDER
- ⑩ PROTECT UTILITY POLE
- ⑪ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).



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AS BUILT PER CONTRACTOR		3-06	DESIGNED BY		DATE	
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			APPROVED BY		DATE	

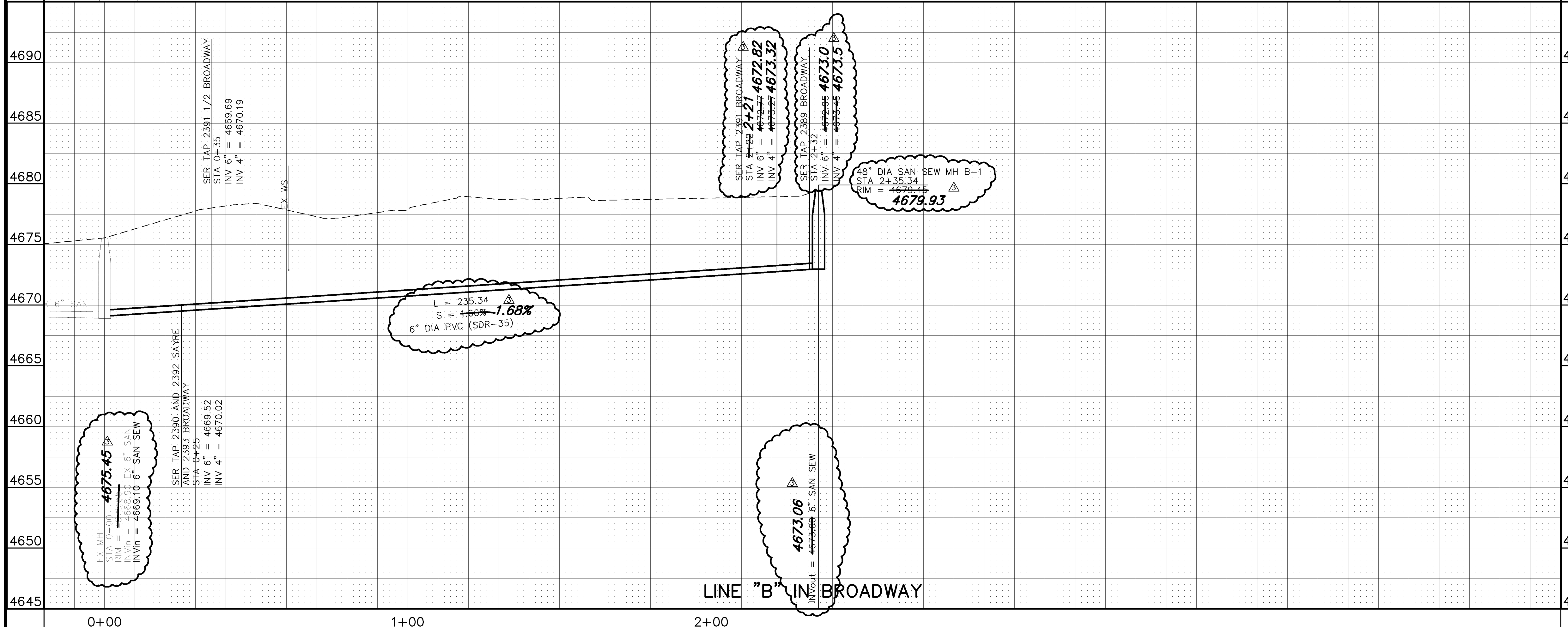
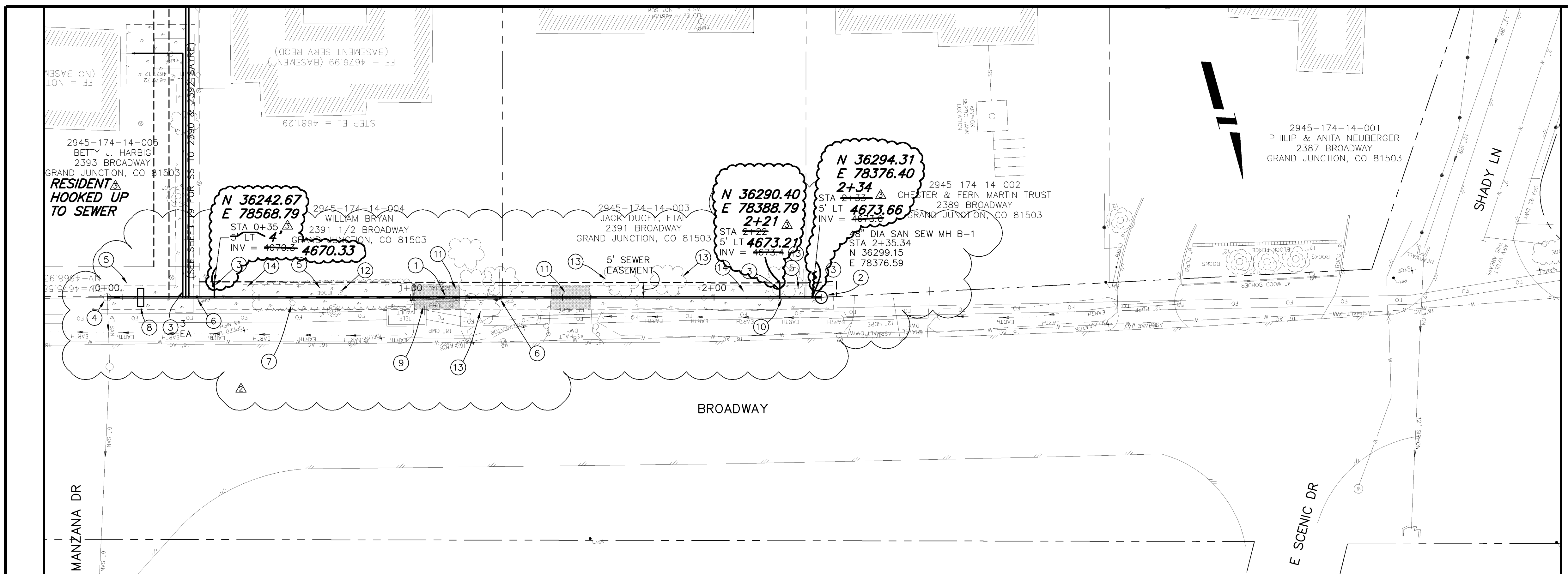


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

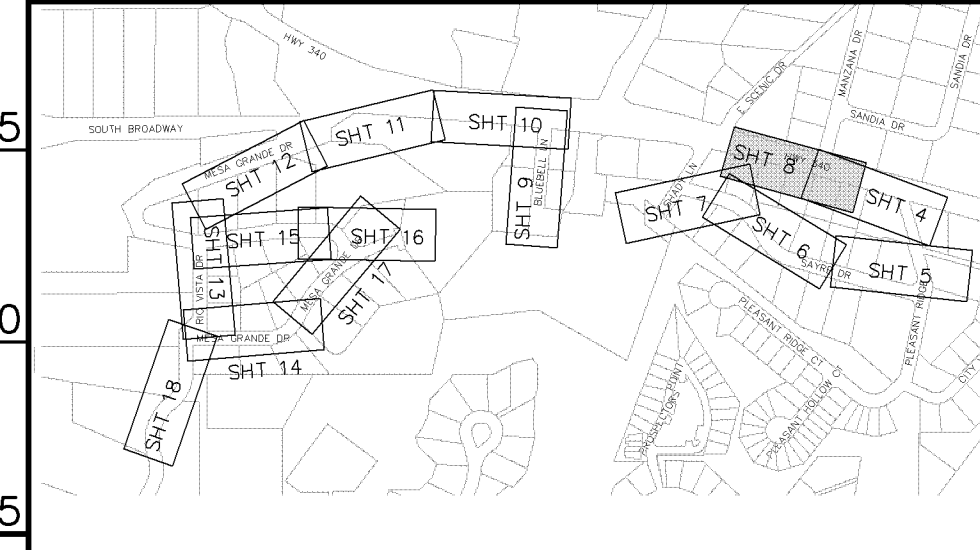
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 15+00 TO STA 20+00

CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO EASEMENT LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 102 - CONNECT TO EXISTING MANHOLE.
- ⑤ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑥ 629 - REFERENCE AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- ⑦ 210 - RESET WATER METER OUTSIDE CONSTRUCTION LIMITS
- ⑧ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑨ PROTECT FIBER OPTIC VAULT
- ⑩ 210.04 - RESET FENCE (91 LF)
- ⑪ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING 3" 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑫ 202 - REMOVE HEDGE
- ⑬ 202 - REMOVE BUSH
- ⑭ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



INDEX MAP

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION B	CHANGE FROM BORE TO OPEN TRENCH	9-22-05		
REVISION C	AS BUILT PER CONTRACTOR	3-06		
REVISION D				

SCALES:

PLAN	PROFILE
HORIZONTAL	HORIZONTAL
1" = 10'	1" = 10'
VERTICAL	VERTICAL
1" = 20'	1" = 5'

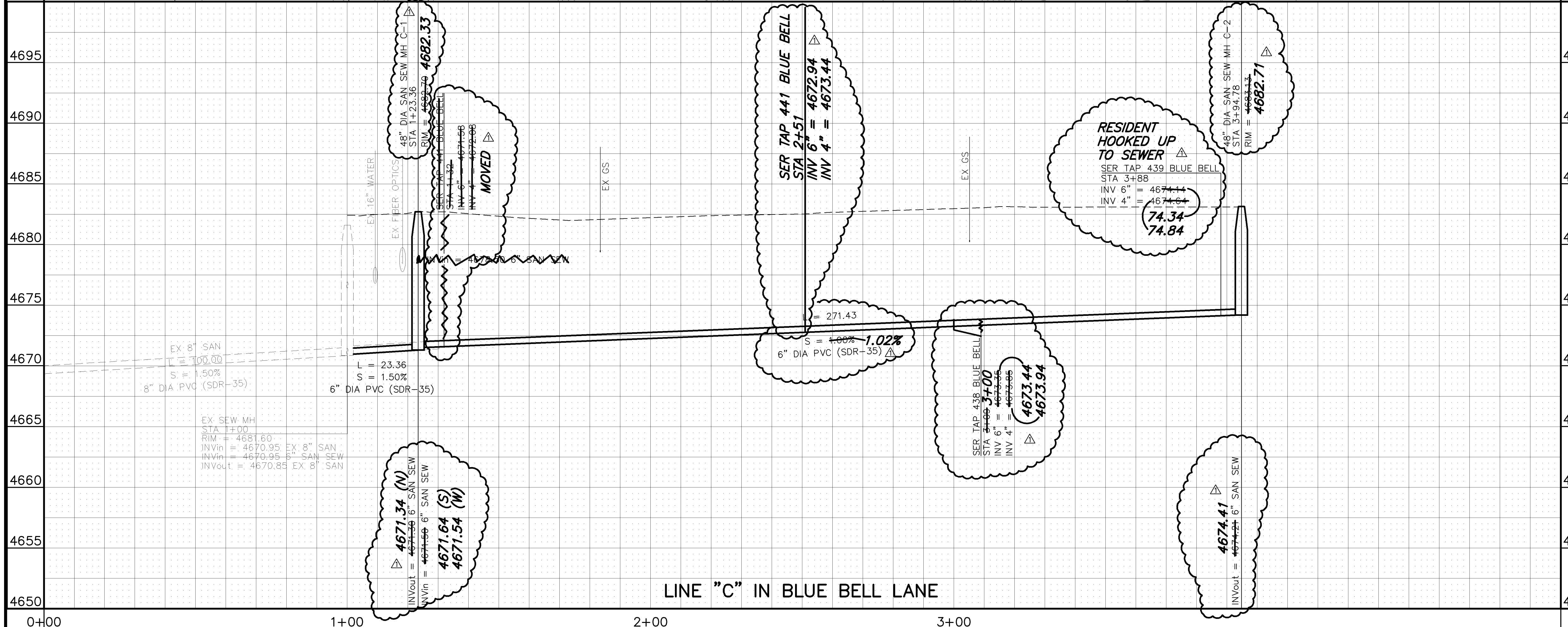
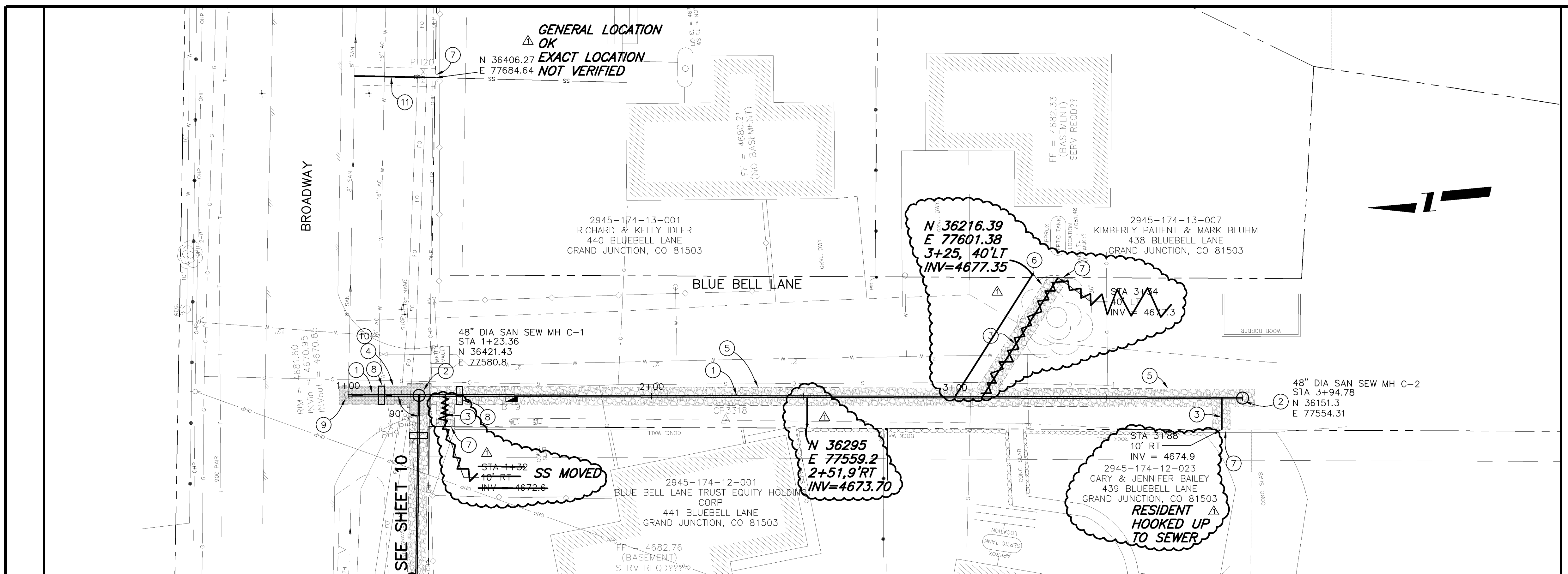


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

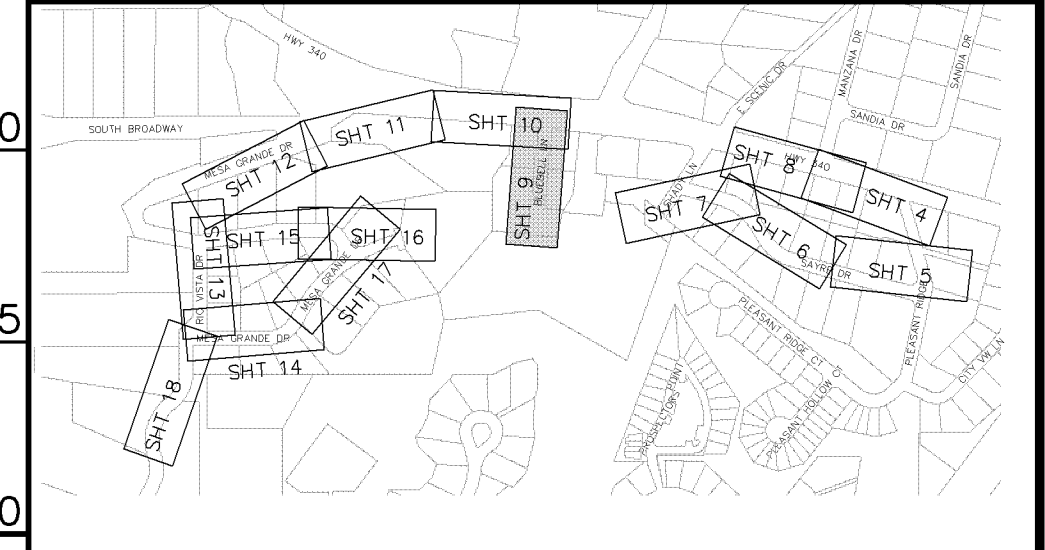
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 0+00 TO STA 5+00

CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
 - ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
 - ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
 - ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
 - ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE 1
 - ⑧
 - ⑨
 - ⑩
- CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑪ 102/103/104 - CONNECT TO EXISTING 4" SEWER SERVICE STUB AND EXTEND TO PROPERTY LINE. CONTRACTOR SHALL EXPOSE EXISTING STUB END, EXISTING 16" UTE WATER LINE, AND EXISTING FIBER OPTICS LINE, REPORT ELEVATIONS AT EACH CROSSING BACK TO PROJECT ENGINEER, AND PROJECT ENGINEER IN TURN WILL GIVE THE CONTRACTOR A GRADE TO LAY THE SEWER SERVICE. THE CONTRACT UNIT PRICE FOR 4" SEWER SERVICE TAP SHALL INCLUDE THE COST OF ALL THE WORK MENTIONED HEREIN.

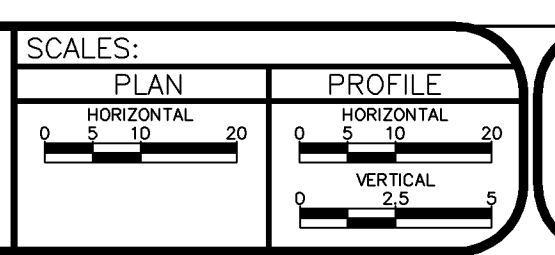


NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



INDEX MAP

REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2004
REVISION	AS BUILT PER CONTRACTOR	3-06	DESIGNED BY		DATE	
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

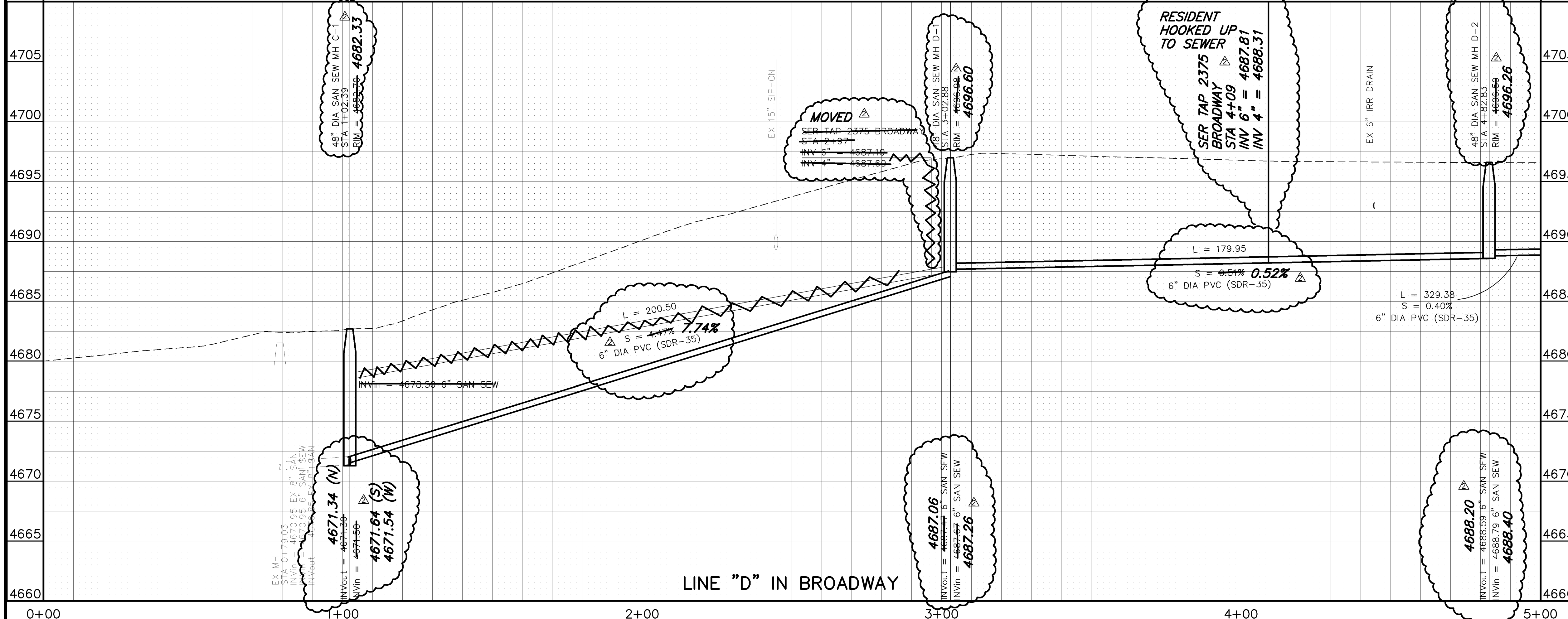
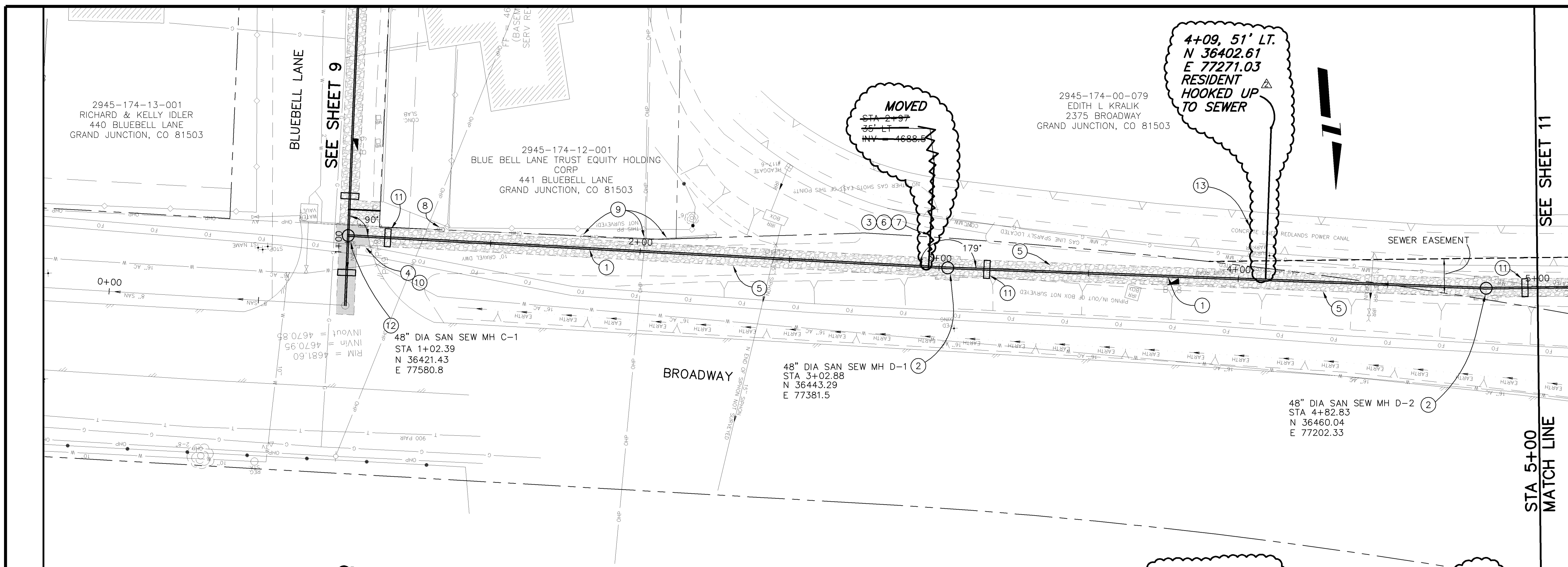


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

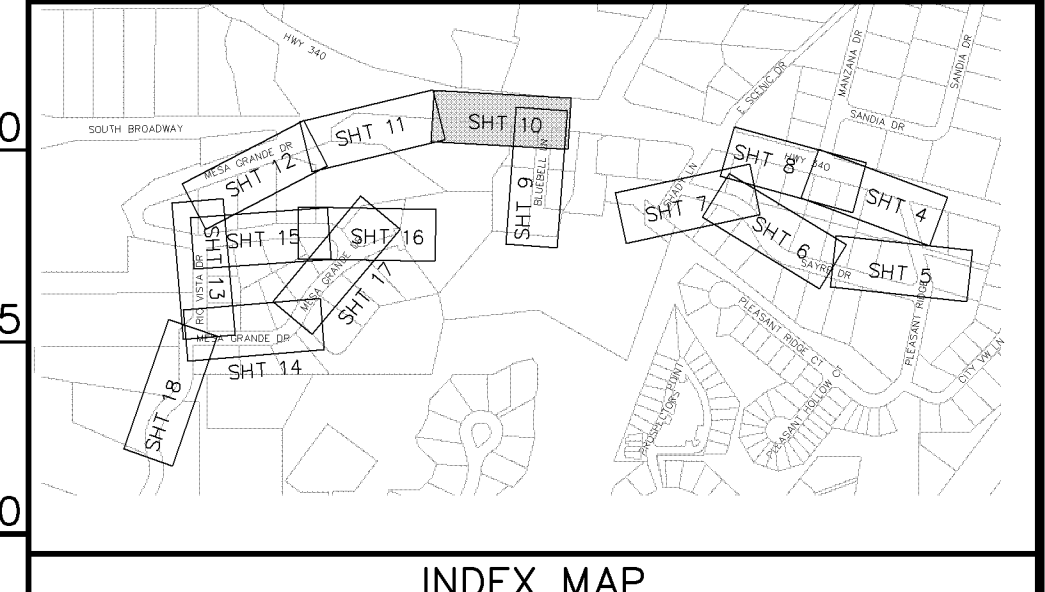
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 0+00 TO STA 5+00

CONSTRUCTION NOTES

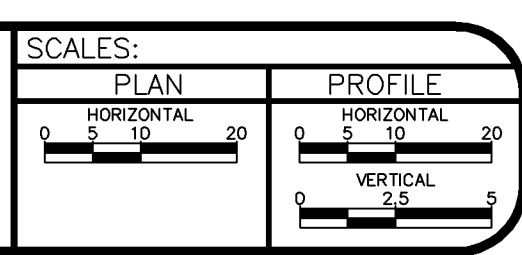
- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO JUST SOUTH OF TOP OF CANAL BANK (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 102.9C - CARRIER/CASING SEWER PIPE FOR BORE SHALL BE "CERTAINTED CERTA-LOC YELOMINE RESTRAINED JOINT PVC PIPE (CLASS-250, SDR-17). CONNECT TO GRAND JUNCTION TYPICAL SERVICE "Y"
- ⑦ 104.2A - INSTALL SEWER PIPE BY BORING AND JACKING OR DIRECTIONAL DRILLING PER SPECIAL PROVISIONS.
- ⑧ PROTECT WATER METER
- ⑨ PROTECT UTILITY POLE AND GUYS
- ⑩ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑪ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑫ 102.11 - 48" DIA. SANITARY SEWER MANHOLE WITH DROP CONNECTION. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-04).
- ⑬ PROTECT CONCRETE LINED REDLANDS POWER CANAL



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REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2004
REVISION	△ EASEMENT LOCATIONS SHOWN	4-26-05	DESIGNED BY		DATE	
REVISION	△ AS BUILT PER CONTRACTOR	3-06	CHECKED BY		DATE	
REVISION	△		APPROVED BY		DATE	



PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 0+00 TO STA 5+00

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

2945-174-00-079
EDITH L. KRALIK
2375 BROADWAY
GRAND JUNCTION, CO 81503

2945-174-12-024
JAMES & KATHI HEMMER
220 MESA GRANDE DRIVE
GRAND JUNCTION, CO 81503

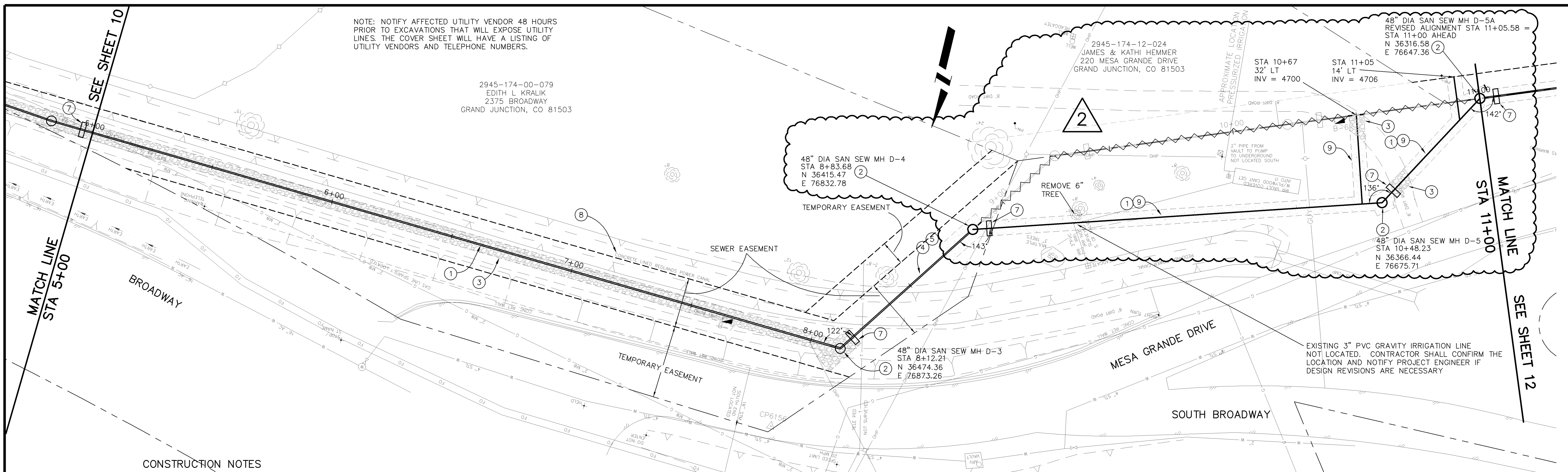
48" DIA SAN SEW MH D-5A
REVISED ALIGNMENT STA 11+05.58 =
STA 11+00 AHEAD
N 36316.58
E 76647.36

48" DIA SAN SEW MH D-4
STA 8+83.68
N 36415.47
E 76832.78

48" DIA SAN SEW MH D-3
STA 8+12.21
N 36474.36
E 76873.26

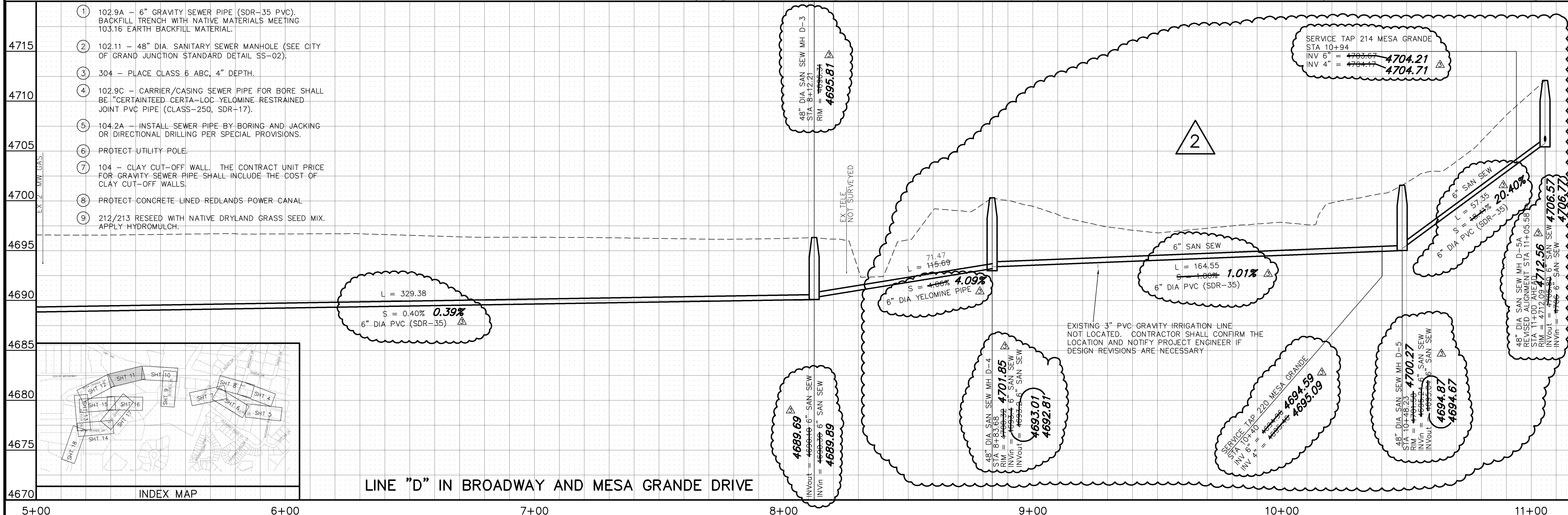
48" DIA SAN SEW MH D-5
STA 10+48.23
N 36366.44
E 76675.71

EXISTING 3" PVC GRAVITY IRRIGATION LINE NOT LOCATED. CONTRACTOR SHALL CONFIRM THE LOCATION AND NOTIFY PROJECT ENGINEER IF DESIGN REVISIONS ARE NECESSARY.

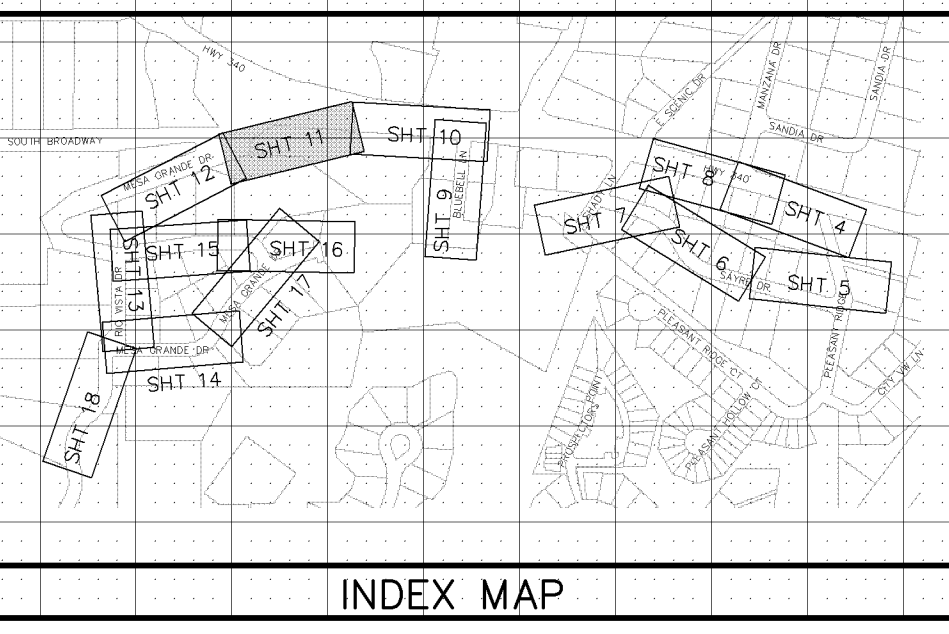


CONSTRUCTION NOTES

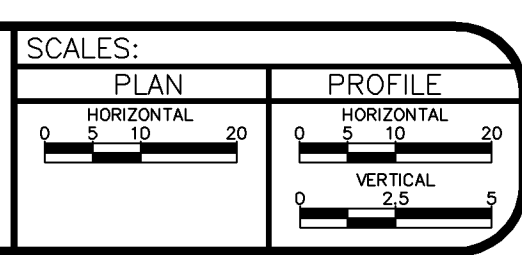
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- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ④ 102.9C - CARRIER/CASING SEWER PIPE FOR BORE SHALL BE CERTAINTEE CERTA-LOC YELOMINE RESTRAINED JOINT PVC PIPE (CLASS-250, SDR-17).
- ⑤ 104.2A - INSTALL SEWER PIPE BY BORING AND JACKING OR DIRECTIONAL DRILLING PER SPECIAL PROVISIONS.
- ⑥ PROTECT UTILITY POLE.
- ⑦ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑧ PROTECT CONCRETE LINED REDLANDS POWER CANAL.
- ⑨ 212/213 RESEED WITH NATIVE DRYLAND GRASS SEED MIX. APPLY HYDROMULCH.



LINE "D" IN BROADWAY AND MESA GRANDE DRIVE



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION Δ	REALIGNED LINE "D" FROM 8+83.68-11+00	7-1-05		
REVISION Δ	AS BUILT PER CONTRACTOR	3-06		
REVISION Δ				



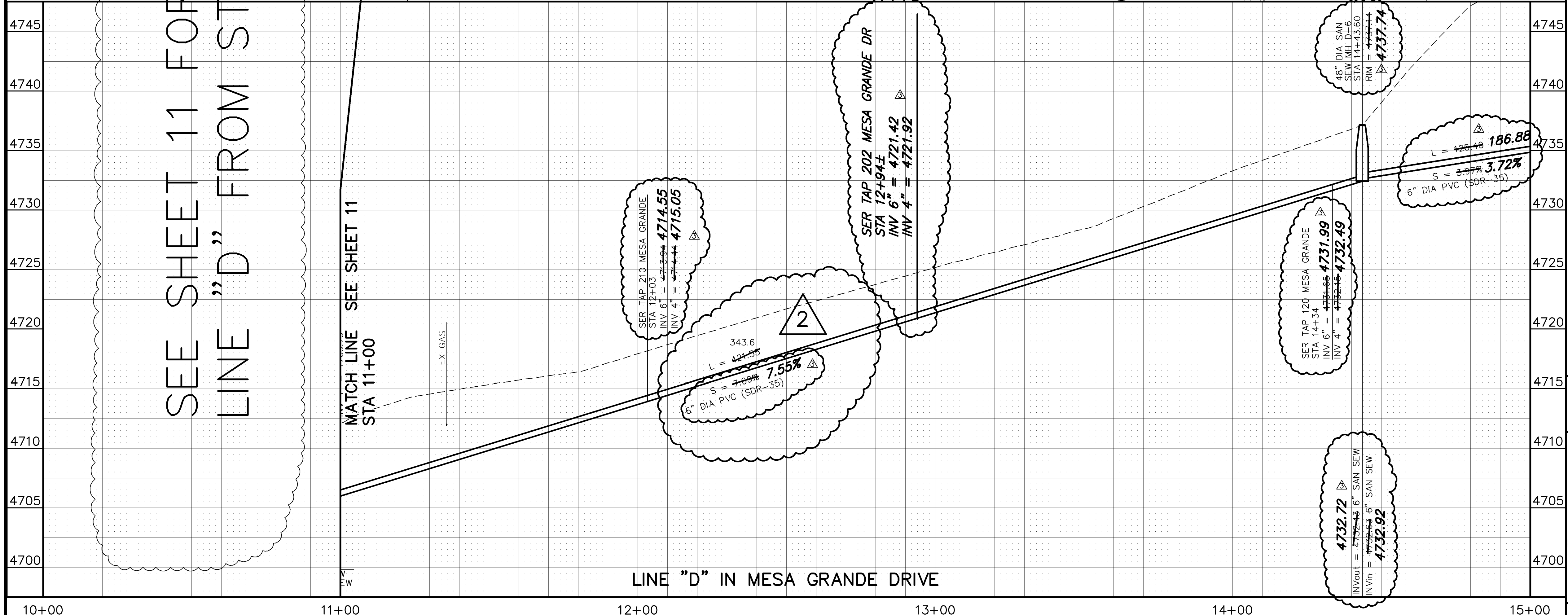
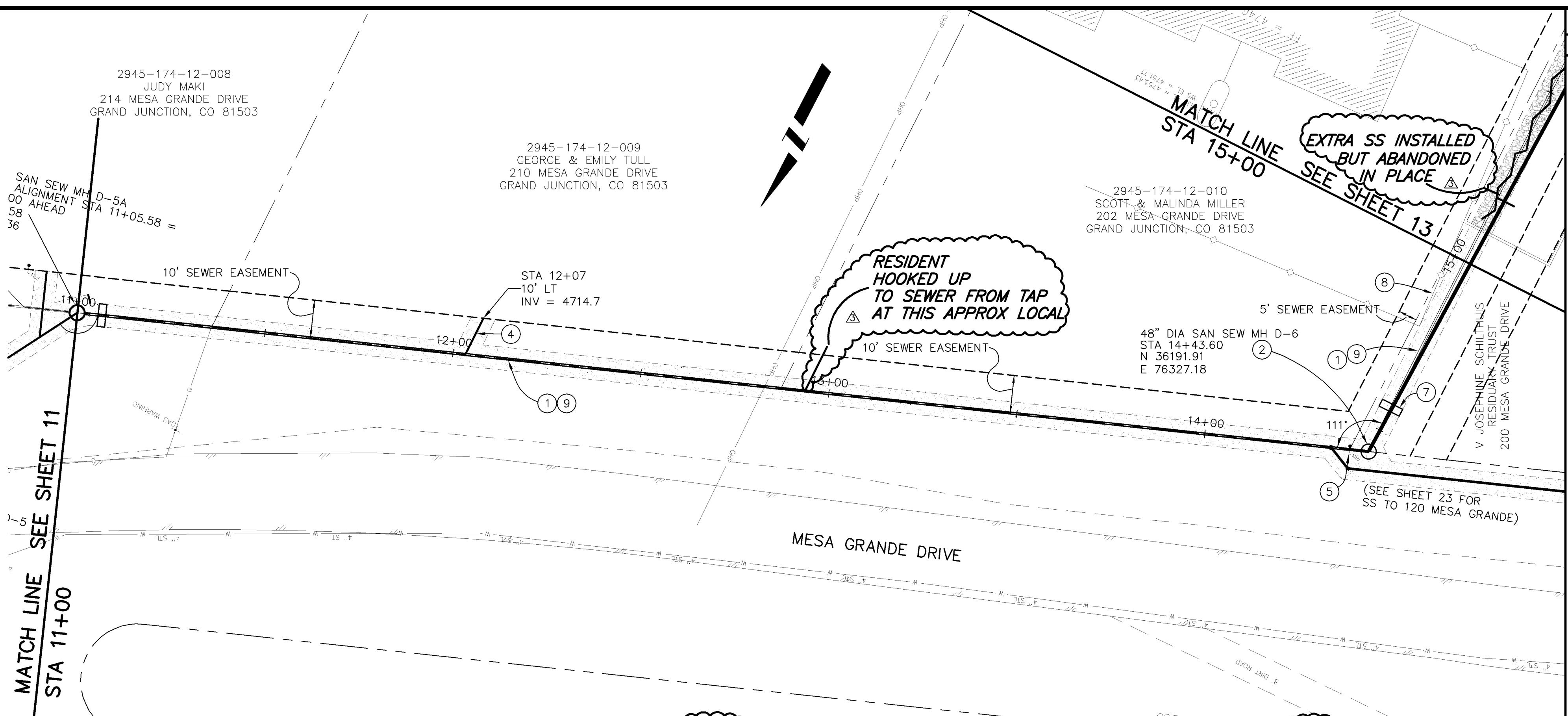
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

MESA GRANDE/BUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 5+00 TO STA 10+00

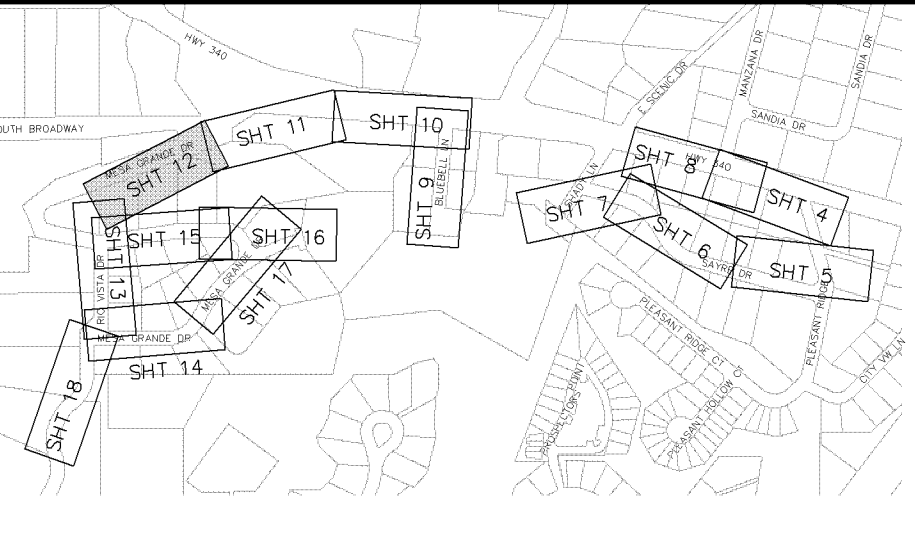
CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ④ 102/103/104 - NEW 4" SEWER SERVICE TAP TO EASEMENT LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ⑤ 629 - REFERENCE AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- ⑥ CONTRACTOR SHALL COORDINATE GUY ANCHOR RESET WITH EXCEL ENERGY.
- ⑦ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑧ 210.04 - RESET FENCE (80 LF) CONTRACTOR SHALL INSTALL AND MAINTAIN DOG PROOF TEMPORARY FENCE WHILE PERMANENT FENCE IS REMOVED FOR CONSTRUCTION.
- ⑨ 212/213 RESEED WITH NATIVE DRYLAND GRASS SEED MIX. APPLY HYDROMULCH.

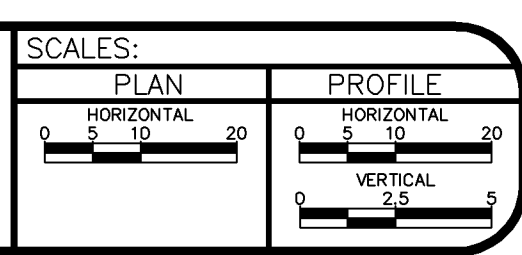
SEE SHEET 11 FOR REALIGNMENT OF LINE "D" FROM STA 8+83.68 TO 11+00



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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION 2	REALIGNED LINE "D" FROM 8+83.68-11+00	7-1-05		
REVISION 3	AS BUILT PER CONTRACTOR	3-06		



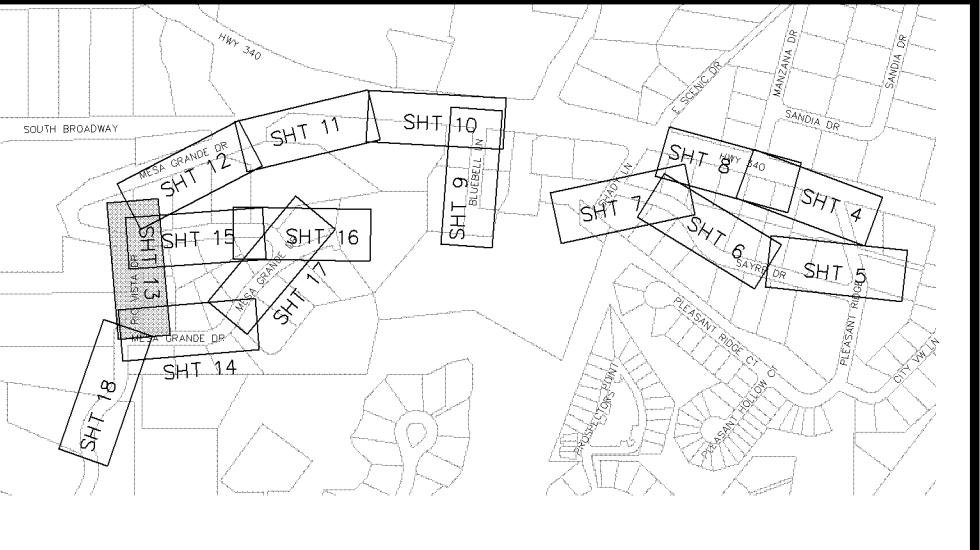
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 10+00 TO STA 15+00

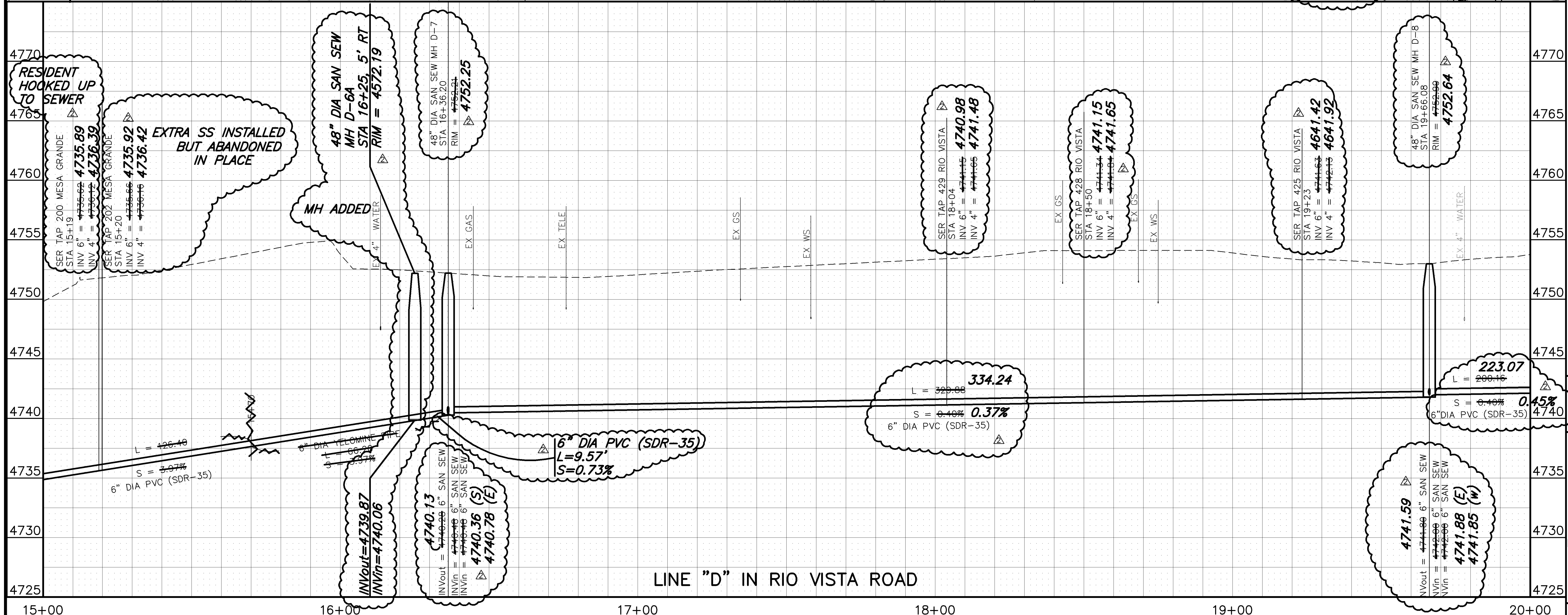
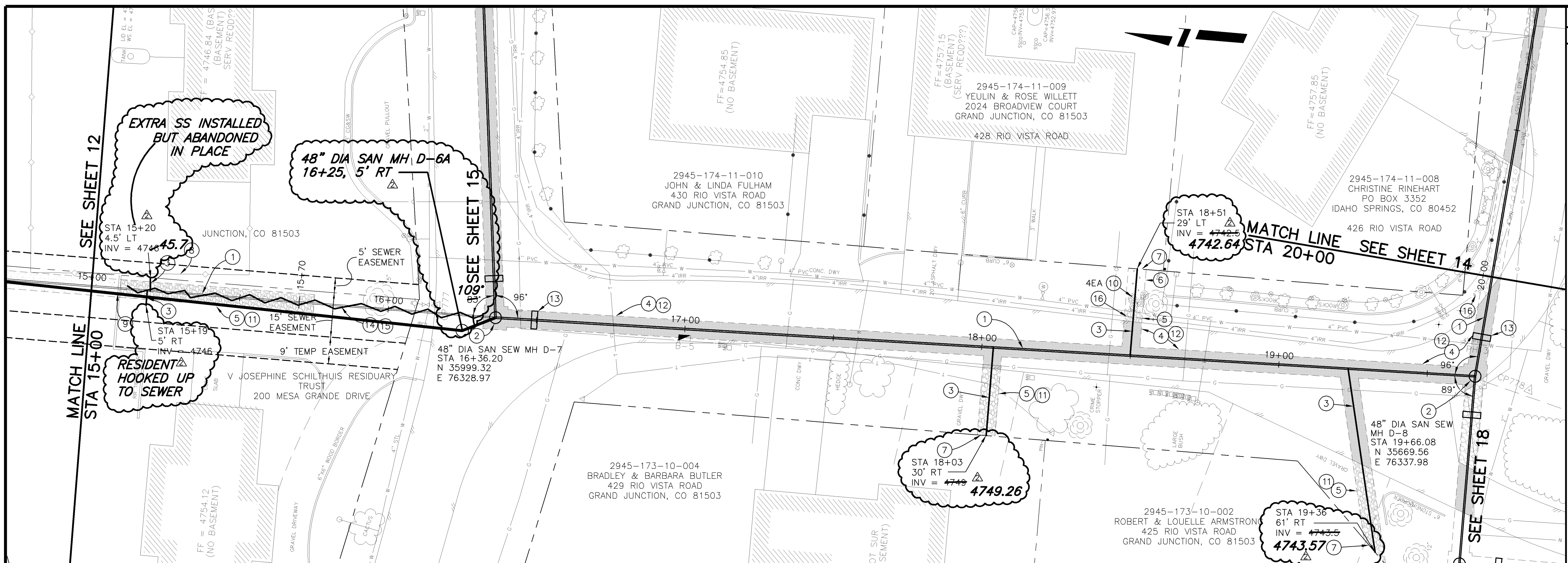
CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 210.04 - RESET FENCE. CONTRACTOR SHALL INSTALL AND MAINTAIN DOG PROOF TEMPORARY FENCE WHILE PERMANENT FENCE IS REMOVED FOR CONSTRUCTION.
- ⑨ 210 - RESET WOOD BORDER
- ⑩ 202 - REMOVE TREE
- ⑪ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK).
- ⑫ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑬ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑭ 102.9C - CARRIER/CASING SEWER PIPE FOR BORE SHALL BE "CERTAINTED CERTA-LOC YELOMINE RESTRAINED JOINT PVC PIPE (CLASS-250, SDR-17).
- ⑮ 104.2A - INSTALL SEWER PIPE BY BORING AND JACKING OR DIRECTIONAL DRILLING PER SPECIAL PROVISIONS.
- ⑯ APPROXIMATE LOCATION OF PRESSURIZED IRRIGATION WATER SYSTEM. CONTRACTOR SHALL BE PREPARED TO IMMEDIATELY SHUT DOWN THE SYSTEM IF IMPACTED DURING CONSTRUCTION. CONTRACTOR SHALL COMPLETE REPAIRS AND RESTORE OPERATION WITHIN 24 HOURS OF THE SHUT DOWN.

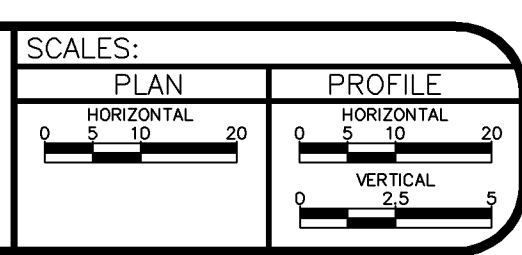
NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



INDEX MAP



REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2004
REVISION	△ EASEMENT LOCATIONS SHOWN	4-26-05	DESIGNED BY		DATE	
REVISION	△ AS BUILT PER CONTRACTOR	3-06	CHECKED BY		DATE	
REVISION	△		APPROVED BY		DATE	



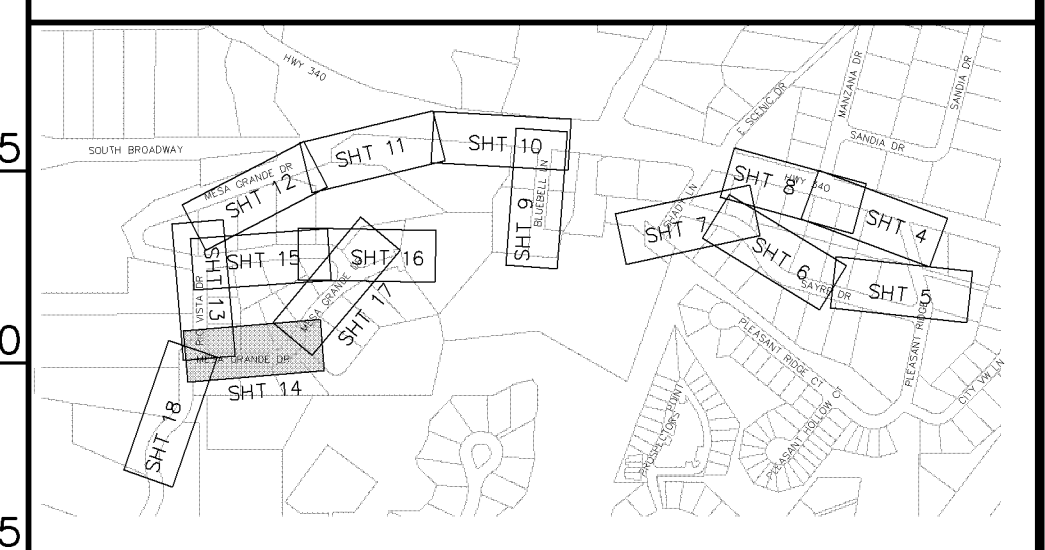
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT

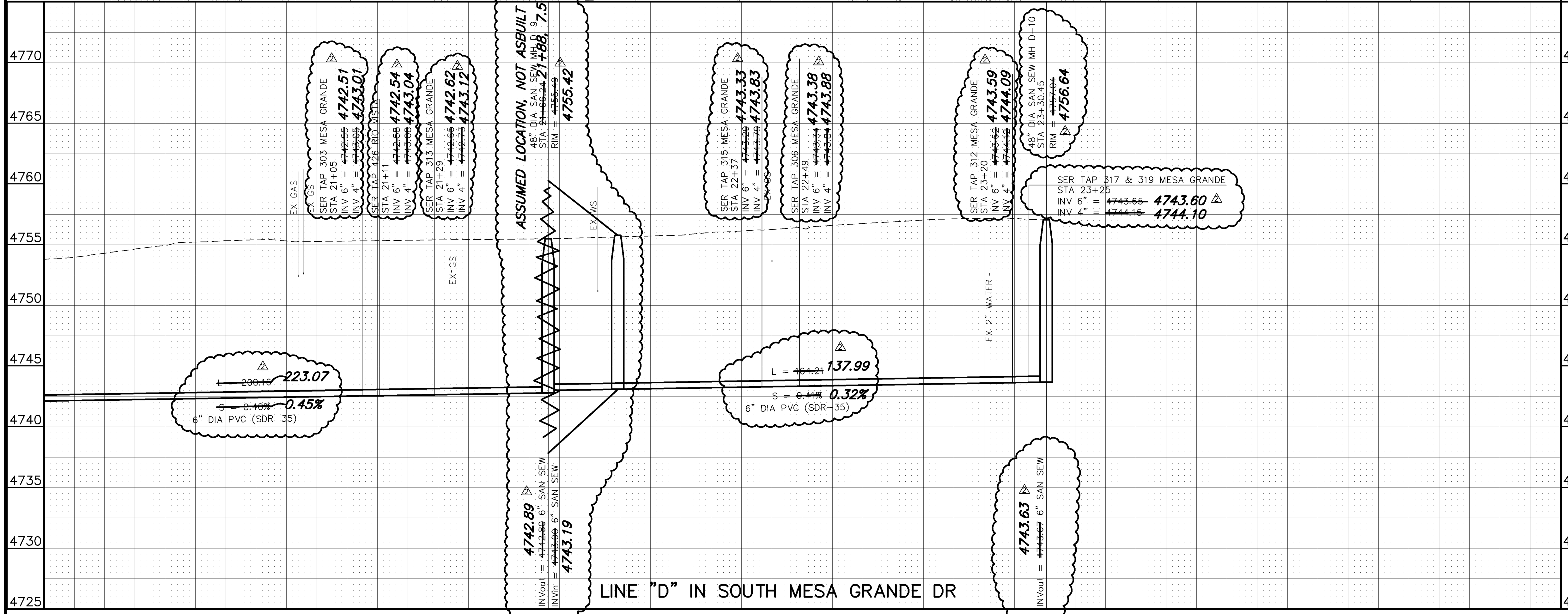
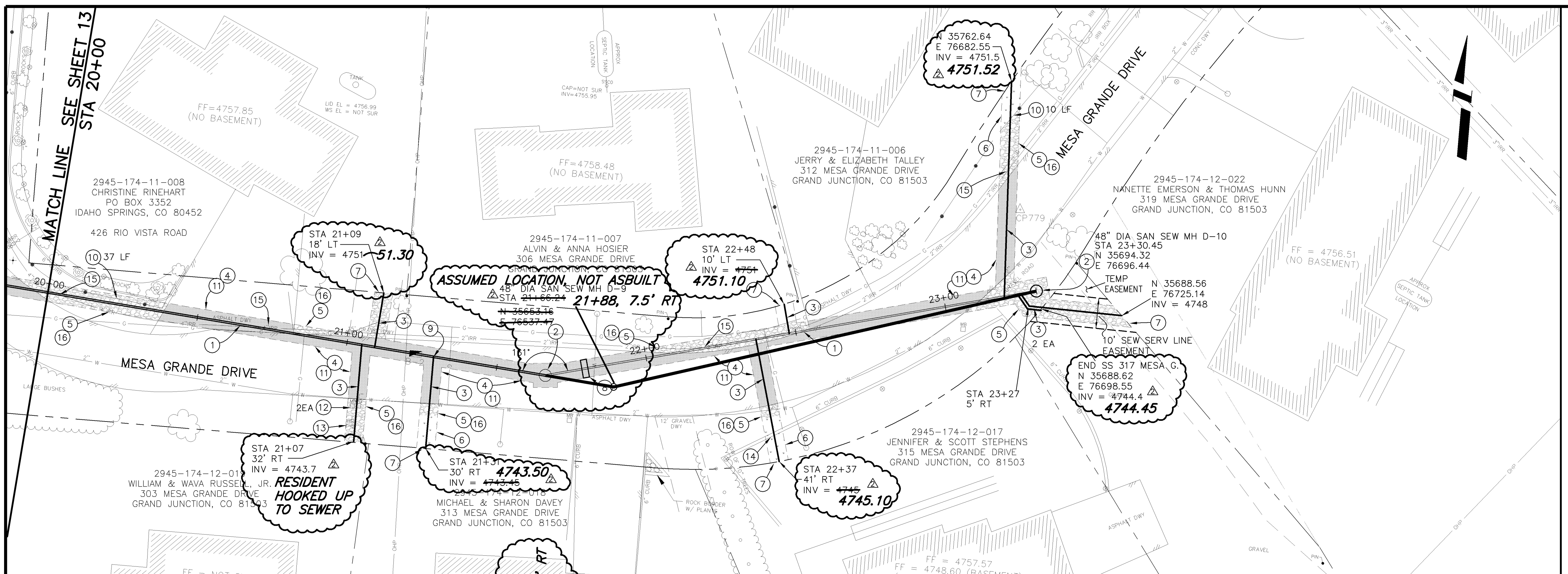
CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑨ ROLL SERVICE "Y" CONNECTION TO 3 O'CLOCK POSITION
- ⑩ 210.04 - RESET FENCE
- ⑪ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING 3X) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑫ 210 - RESET MAILBOX
- ⑬ 210 - RESET EXISTING IRRIGATION VALVE/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑭ 202/608 - REMOVE AND REPLACE CONCRETE CURB
- ⑮ APPROXIMATE LOCATION OF PRESSURIZED IRRIGATION WATER SYSTEM. CONTRACTOR SHALL BE PREPARED TO IMMEDIATELY SHUT DOWN THE SYSTEM IF IMPACTED DURING CONSTRUCTION. CONTRACTOR SHALL COMPLETE REPAIRS AND RESTORE OPERATION WITHIN 24 HOURS OF THE SHUT DOWN.
- ⑯ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK)

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



INDEX MAP



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
2	AS BUILT PER CONTRACTOR	3-06		
3				
4				

SCALES:

PLAN 0 5 10 20	PROFILE 0 5 10 20
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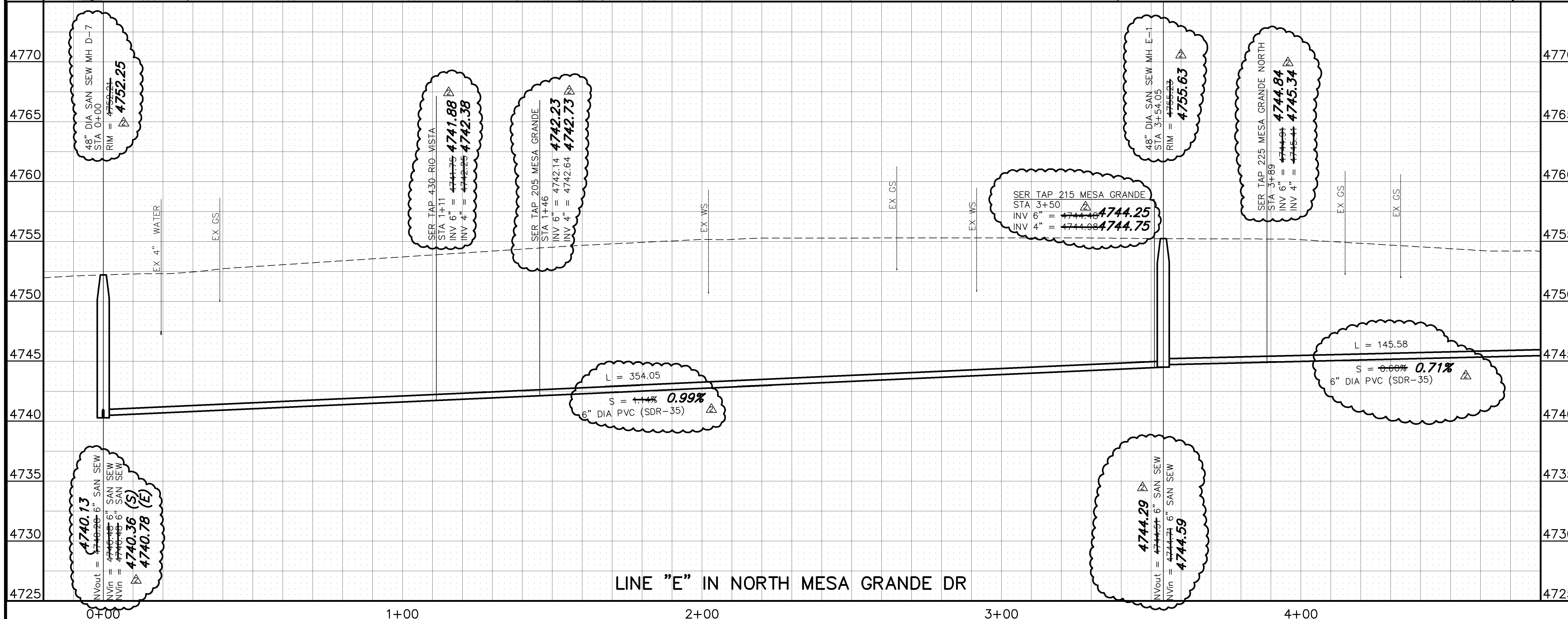
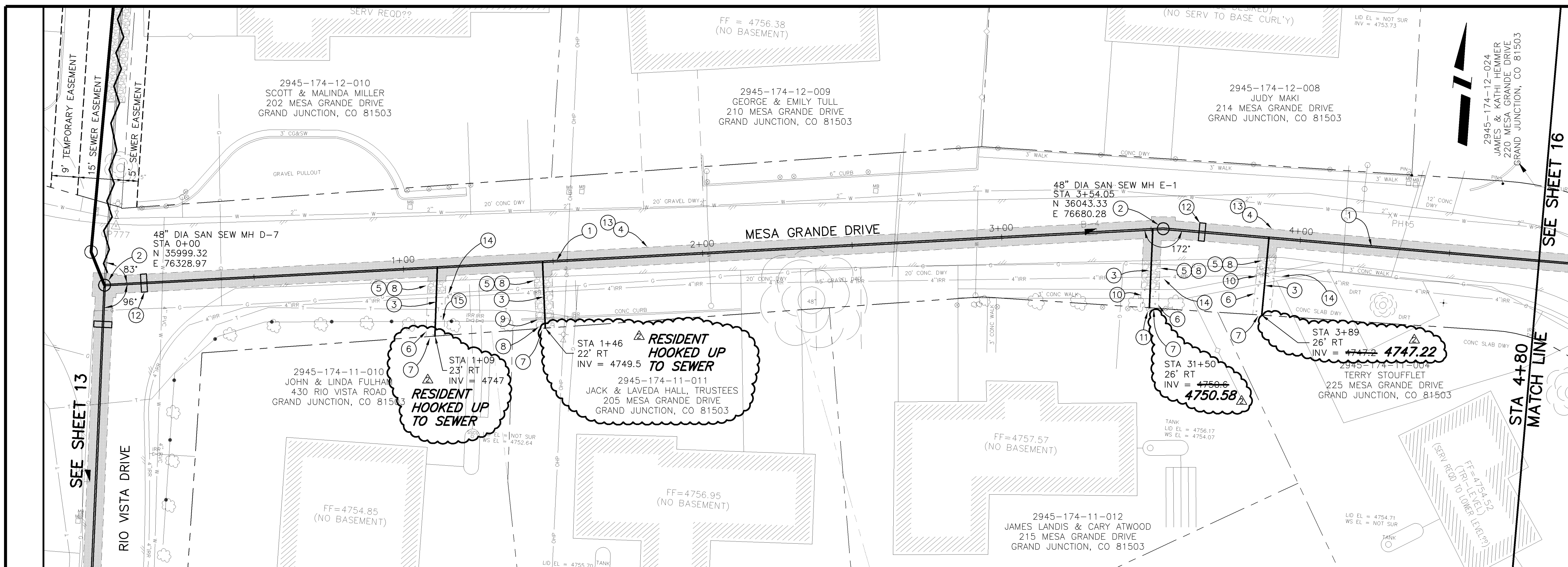
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

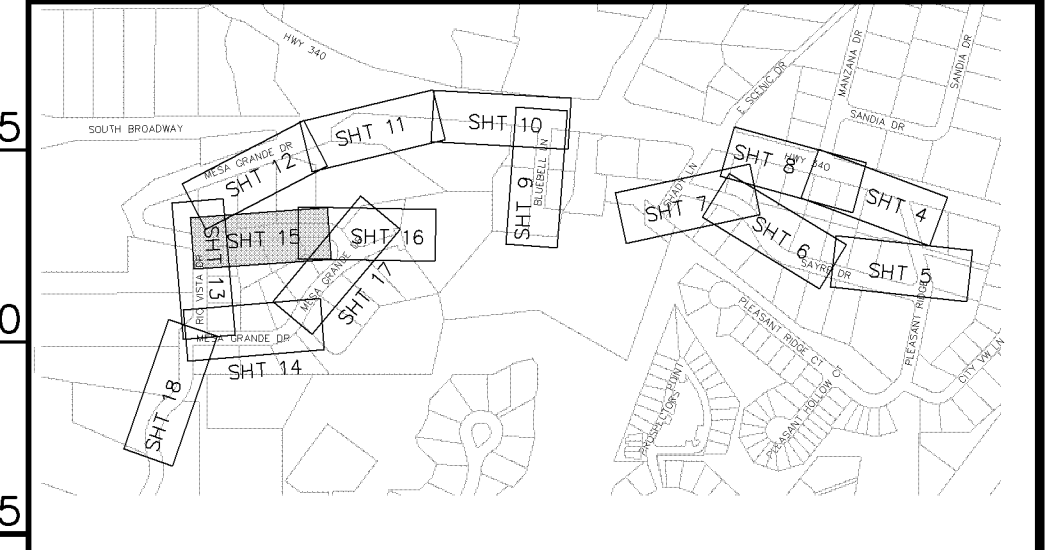
MESA GRANDE/BUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 20+00 TO STA 25+00

CONSTRUCTION NOTES

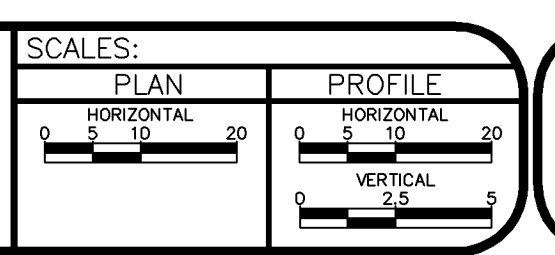
- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK)
- ⑨ 202/608 - REMOVE AND REPLACE CONCRETE CURB
- ⑩ 202/608 - REMOVE AND REPLACE CONCRETE WALK (4" THICK)
- ⑪ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑫ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑬ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑭ APPROXIMATE LOCATION OF PRESSURIZED IRRIGATION WATER SYSTEM. CONTRACTOR SHALL BE PREPARED TO IMMEDIATELY SHUT DOWN THE SYSTEM IF IMPACTED DURING CONSTRUCTION. CONTRACTOR SHALL COMPLETE REPAIRS AND RESTORE OPERATION WITHIN 24 HOURS OF THE SHUT DOWN.
- ⑮ 210.04 - RESET FENCE (10 LF)



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION Δ AS BUILT PER CONTRACTOR	3-06	DESIGNED BY	DATE
REVISION Δ		CHECKED BY	DATE
REVISION Δ		APPROVED BY	DATE

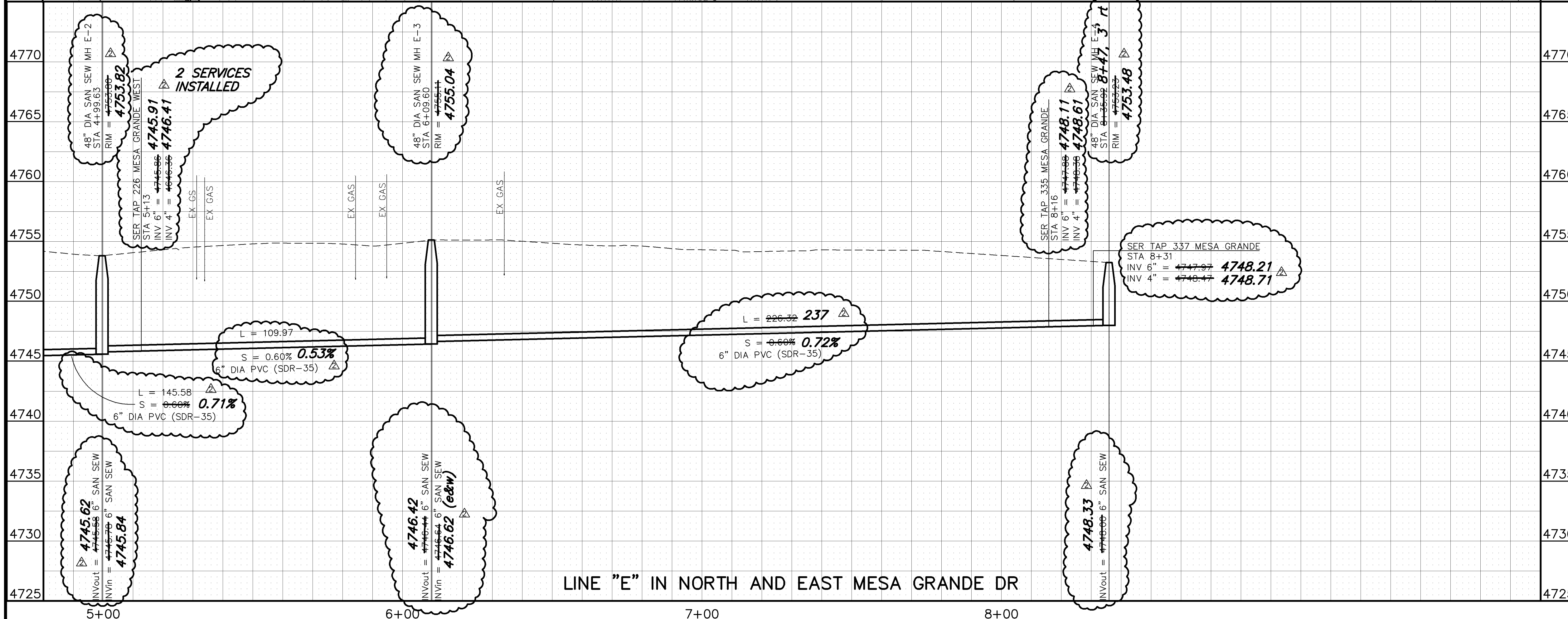
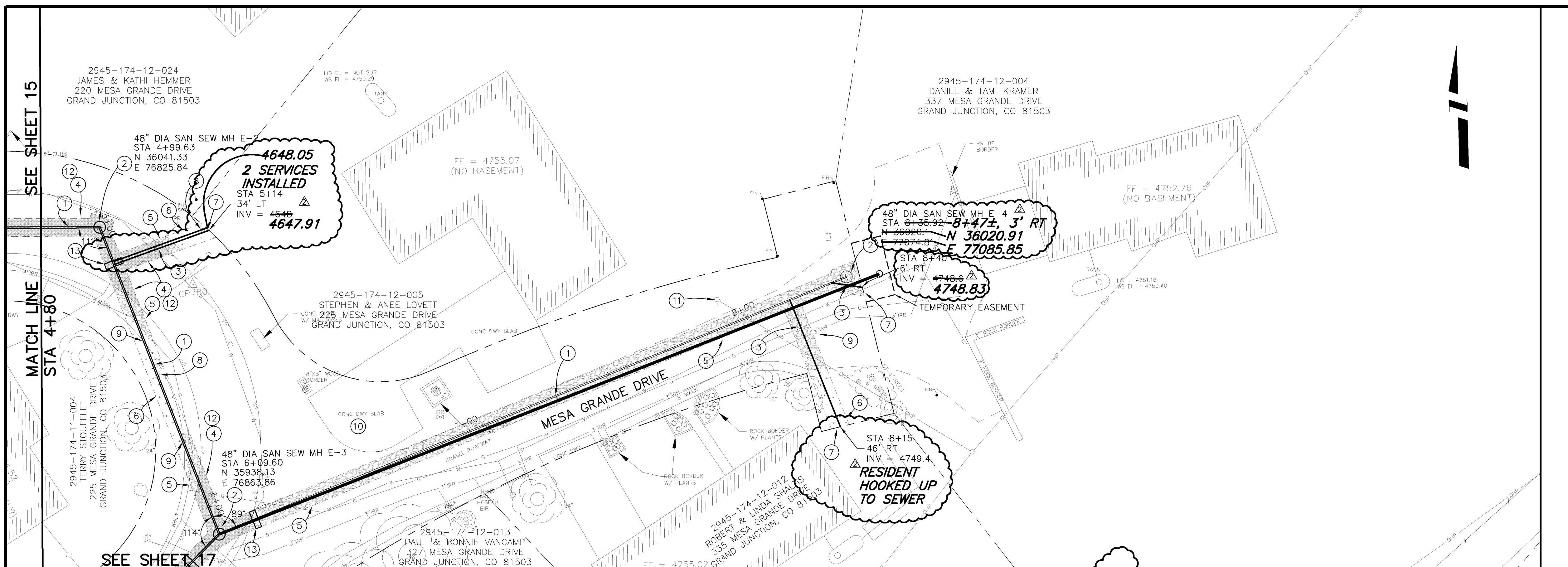


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

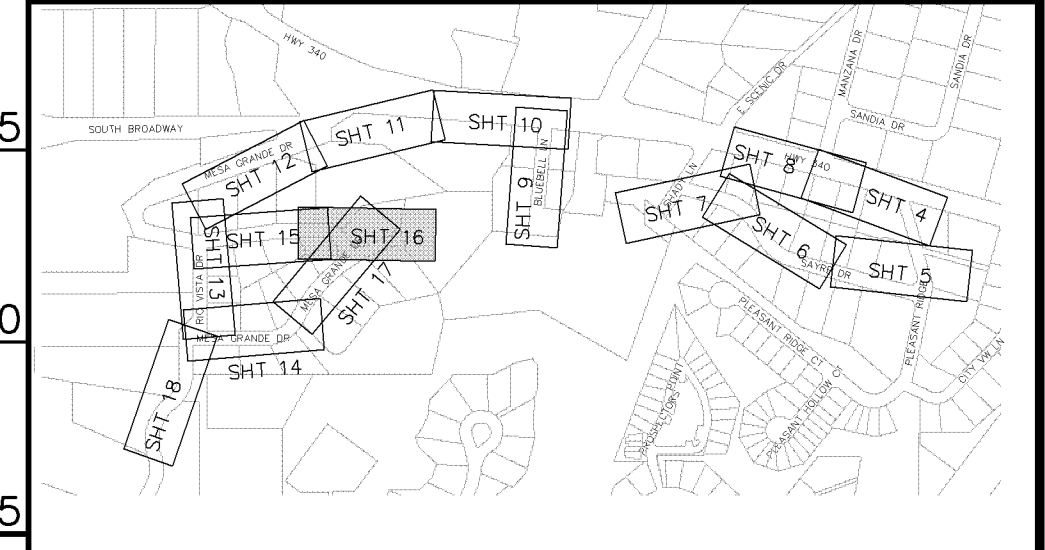
MESA GRANDE/BUE BELL SEWER IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILES
 STA 0+00 TO STA 4+80

CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑨ APPROXIMATE LOCATION OF PRESSURIZED IRRIGATION WATER SYSTEM. CONTRACTOR SHALL BE PREPARED TO IMMEDIATELY SHUT DOWN THE SYSTEM IF IMPACTED DURING CONSTRUCTION. CONTRACTOR SHALL COMPLETE REPAIRS AND RESTORE OPERATION WITHIN 24 HOURS OF THE SHUT DOWN.
- ⑩ PROTECT CONCRETE DRIVEWAY
- ⑪ PROTECT UTILITY POLE
- ⑫ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑬ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.

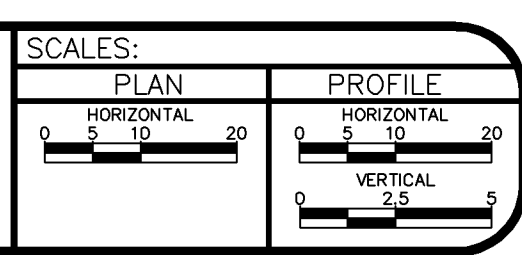


NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



INDEX MAP

REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2004
REVISION	△ EASEMENT LOCATIONS SHOWN	4-26-05	DESIGNED BY		DATE	
REVISION	△ AS BUILT PER CONTRACTOR	3-06	CHECKED BY		DATE	
REVISION	△		APPROVED BY		DATE	

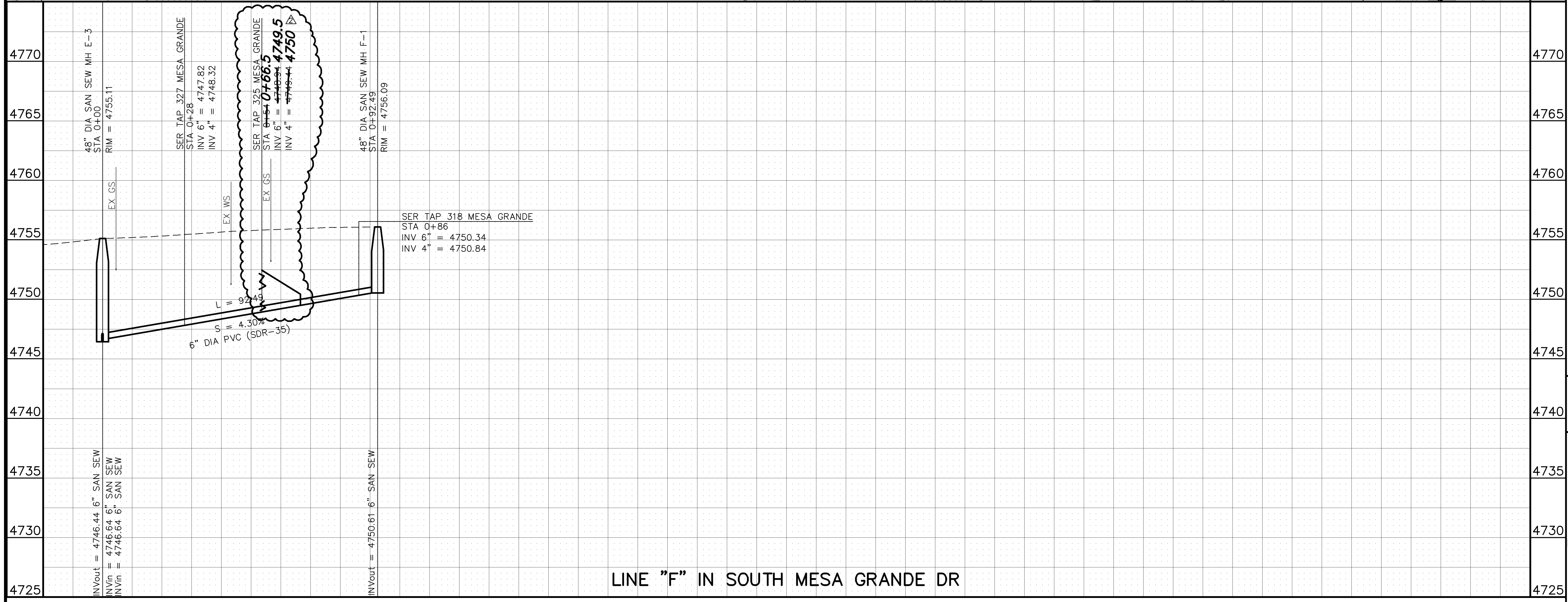
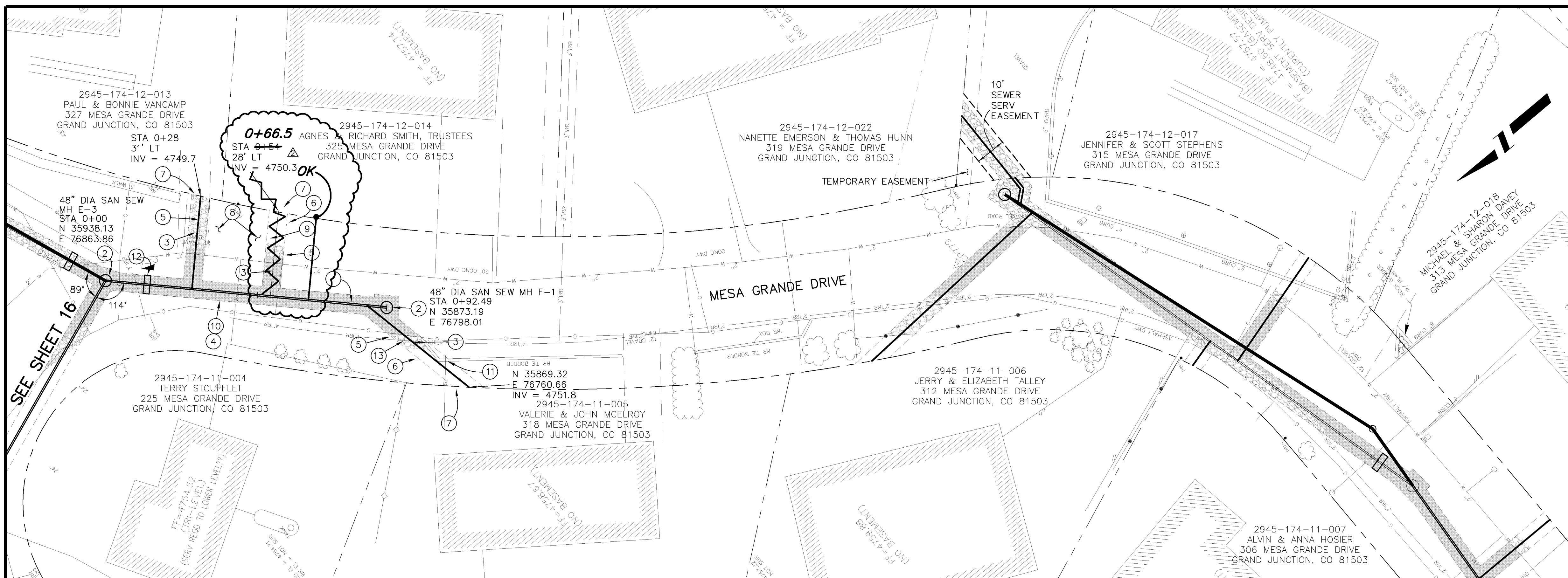


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BELL BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 4+80 TO STA 10+00

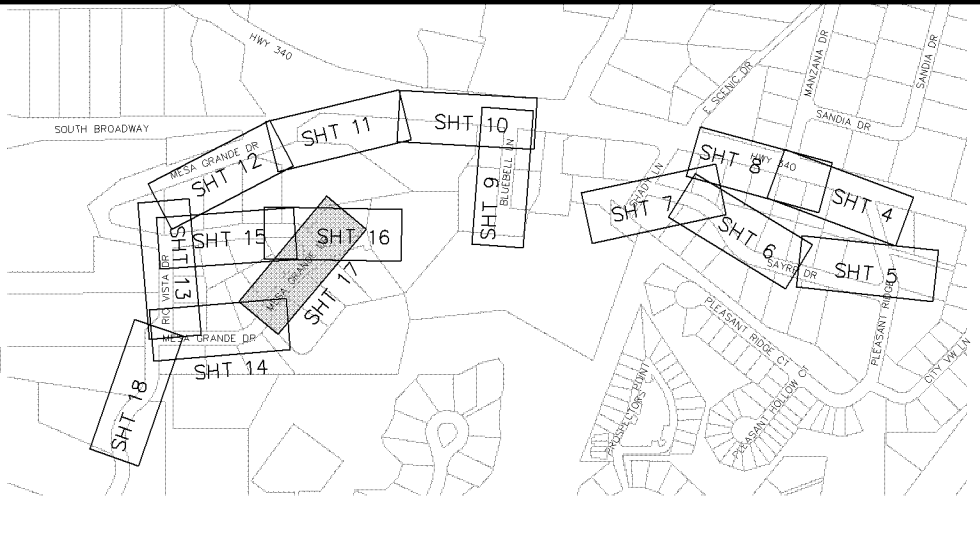
CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ PROTECT BUSH
- ⑨ 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑩ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑪ 210 - RESET WOOD BORDER
- ⑫ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑬ APPROXIMATE LOCATION OF PRESSURIZED IRRIGATION WATER SYSTEM. CONTRACTOR SHALL BE PREPARED TO IMMEDIATELY SHUT DOWN THE SYSTEM IF IMPACTED DURING CONSTRUCTION. CONTRACTOR SHALL COMPLETE REPAIRS AND RESTORE OPERATION WITHIN 24 HOURS OF THE SHUT DOWN.



LINE "F" IN SOUTH MESA GRANDE DR

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



INDEX MAP

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION B	AS BUILT PER CONTRACTOR	3-06		
REVISION C				
REVISION D				

SCALES:	PLAN	PROFILE
	HORIZONTAL 0 5 10 20	HORIZONTAL 0 5 10 20
		VERTICAL 0 2.5 5

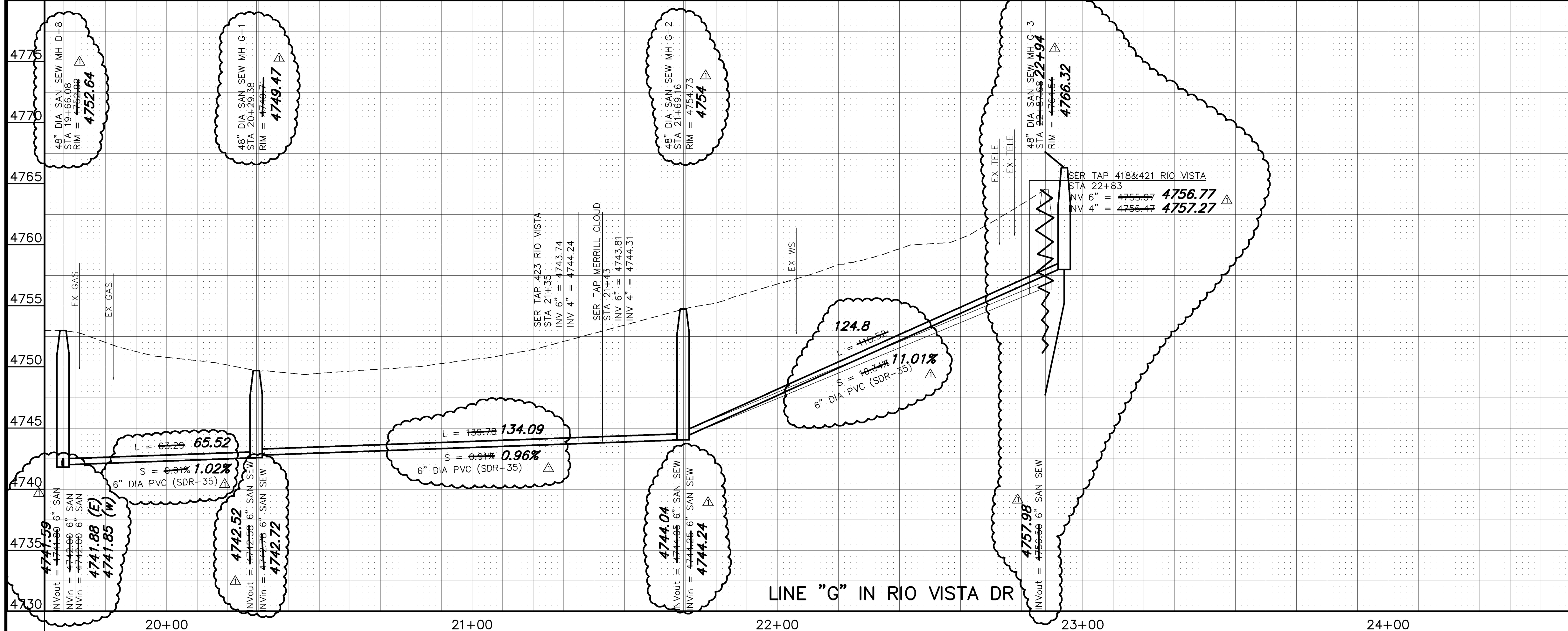
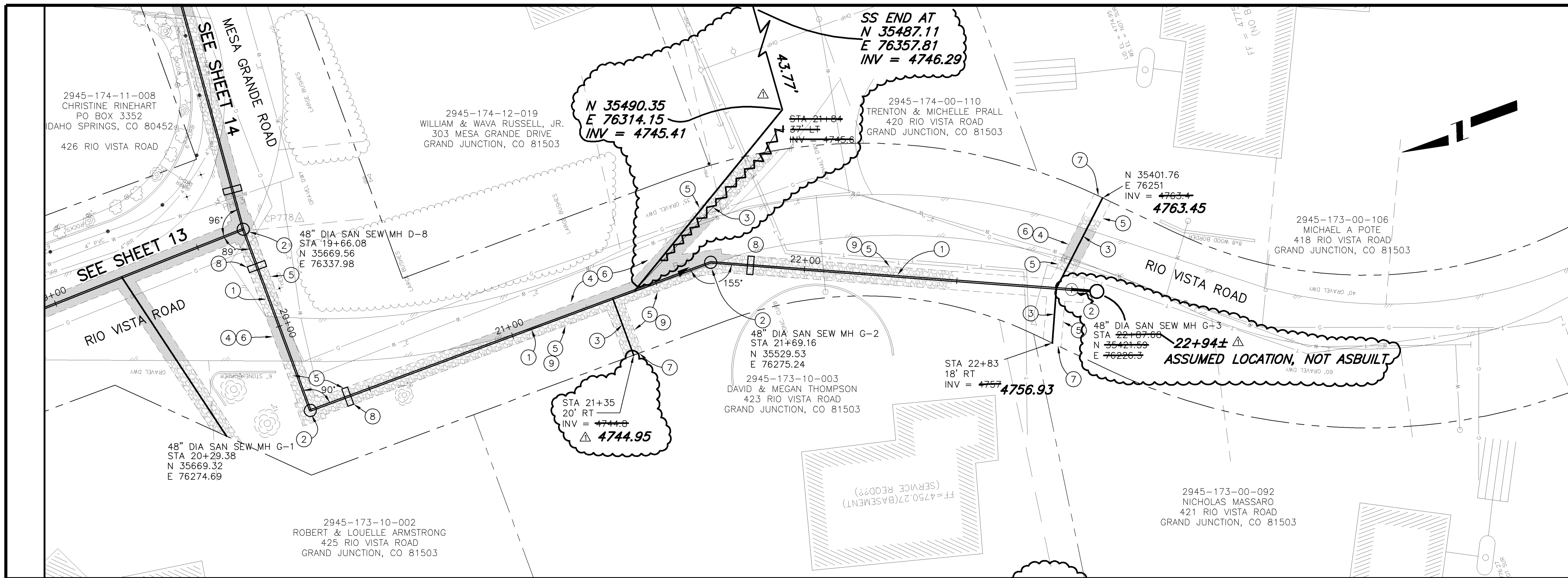


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

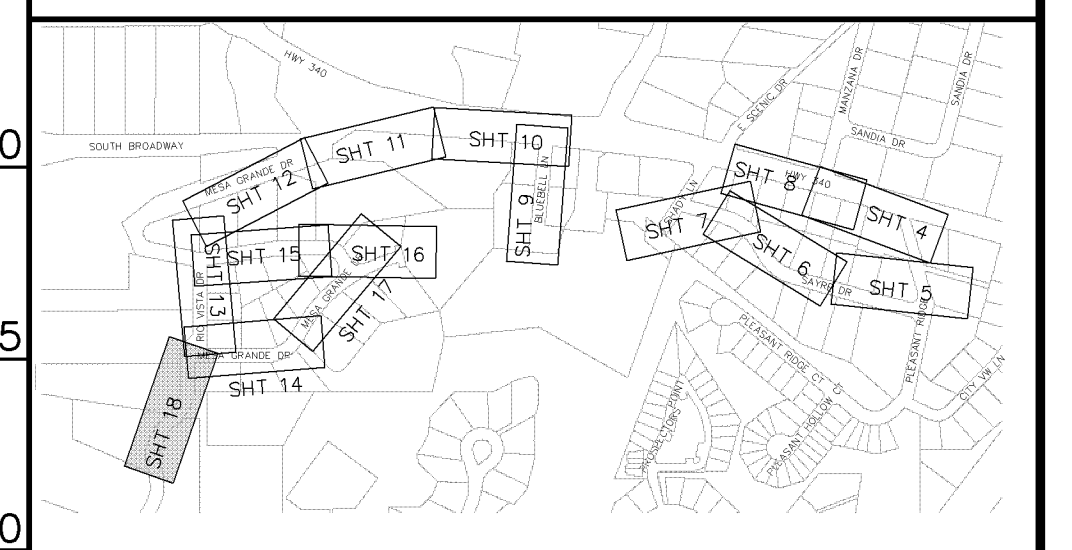
MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 0+00 TO STA 5+00

CONSTRUCTION NOTES

- ① 102.9A - 6" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ 102/103/104 - NEW 4" SEWER SERVICE TAP TO PROPERTY LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- ④ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 104 - CLAY CUT-OFF WALL. THE CONTRACT UNIT PRICE FOR GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF CLAY CUT-OFF WALLS.
- ⑨ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK)



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
AS BUILT PER CONTRACTOR		3-06	JCS	2004

SCALES:

PLAN: HORIZONTAL 1" = 20'

PROFILE: HORIZONTAL 1" = 20', VERTICAL 1" = 2'

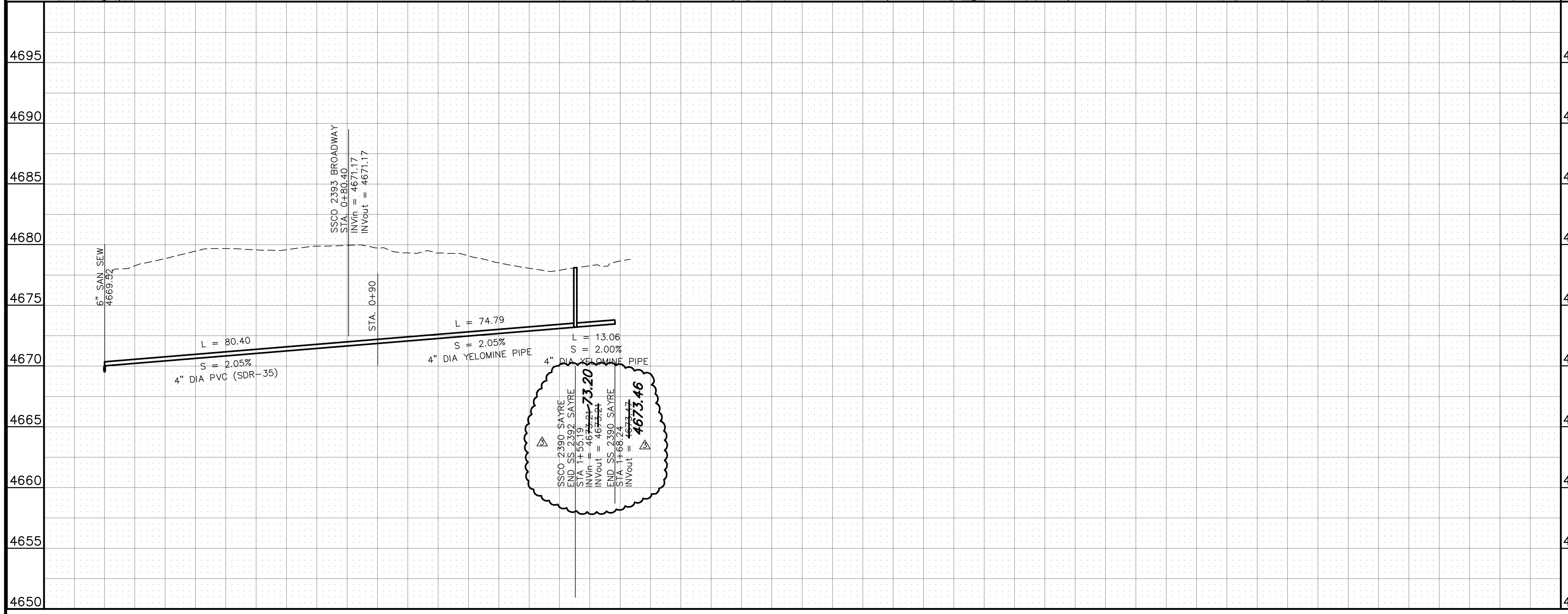
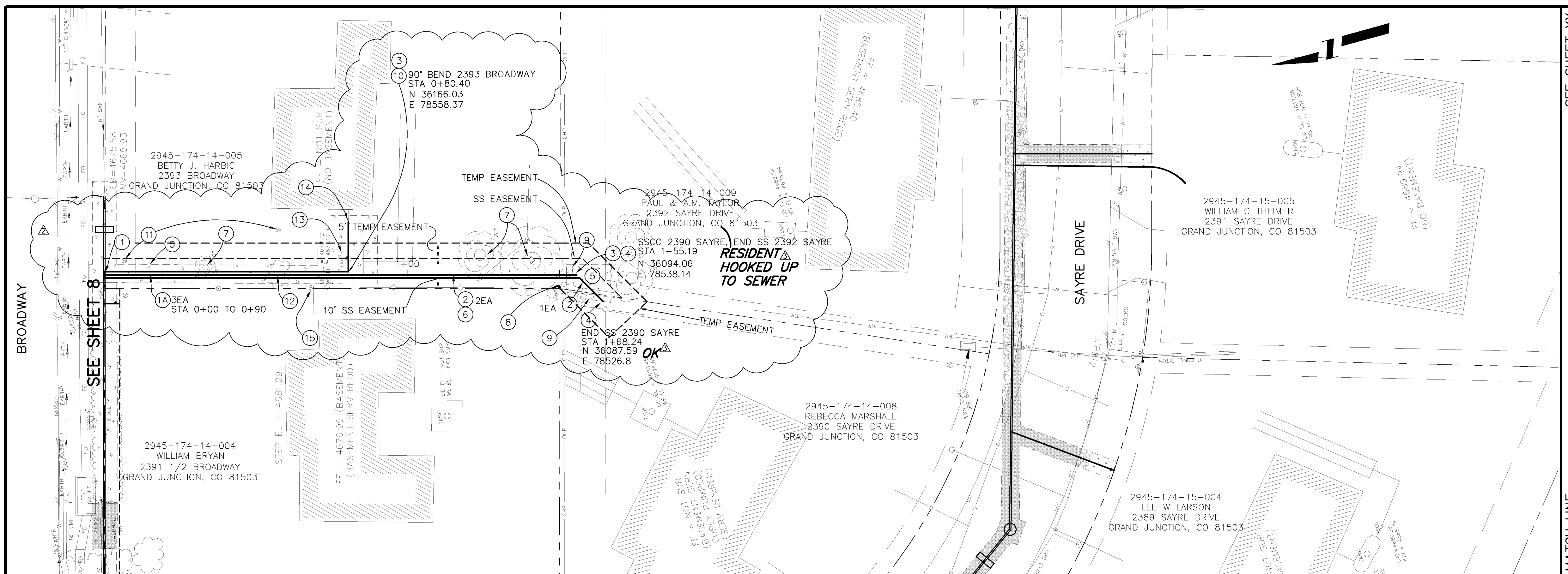
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
STA 19+69 TO STA 25+00

CONSTRUCTION NOTES

- 102.9A - 4" GRAVITY SEWER SERVICE PIPE (SDR-35 PVC), BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 102/103/104 - NEW 4" SEWER SERVICE TAP TO EASEMENT LINE (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION)
- 102.9C - CARRIER/CASING SEWER PIPE FOR BORE SHALL BE "CERTAINTED CERTA-LOC YELOMINE RESTRAINED JOINT PVC PIPE (CLASS-250, SDR-17). CONNECT TO GRAND JUNCTION TYPICAL SERVICE "Y"
- 102 - 2-WAY SANITARY SEWER SERVICE CLEANOUT WITH IRRIGATION CONTROL BOX
- 102 - 4" PVC CAP FOR SANITARY SEWER SERVICE LINE. THE CONTRACT UNIT PRICE FOR 4" GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF 4" PVC CAP.
- 207/212 - TOPSOIL, 12" THICK, AND SOD.
- 104.2A - INSTALL SEWER PIPE BY BORING AND JACKING OR DIRECTIONAL DRILLING PER SPECIAL PROVISIONS.
- PROTECT TREE
- PROTECT UTILITY POLE
- 102 - REMOVE AND REPLACE CONCRETE DITCH
- 102 - 90° BEND. THE CONTRACT UNIT PRICE FOR 4" GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF 90° BENDS.
- 210 - RESET SPRINKLER HEAD/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- 202 - REMOVE BUSH
- 202 - REMOVE SEPTIC TANK FOR 2393 BROADWAY. THIS WILL INCLUDE: PUMP OUT TANK, REMOVE TANK AS NEEDED FOR INSTALLATION OF SERVICE LINES, PLACE COMPACTED BACKFILL TO RESTORE GROUND TO EXISTING CONTOURS
- 102 - CONNECT SANITARY SEWER SERVICE FOR 2393 BROADWAY
- PROTECT IRRIGATION SYSTEM AND FENCE ON EAST PROPERTY LINE OF 2391 1/2 BROADWAY. NO CONSTRUCTION TRAFFIC ALLOWED ON THIS PROPERTY, EXCEPT WITHIN THE EASEMENT ALONG THE NORTH PROPERTY LINE



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
2	CHANGE BORE TO OPEN TRENCH	9-22-05		
3	AS BUILT PER CONTRACTOR	3-06		

SCALES:

PLAN	PROFILE
HORIZONTAL	HORIZONTAL
1" = 20'	1" = 20'
VERTICAL	VERTICAL
1" = 2'	1" = 2'

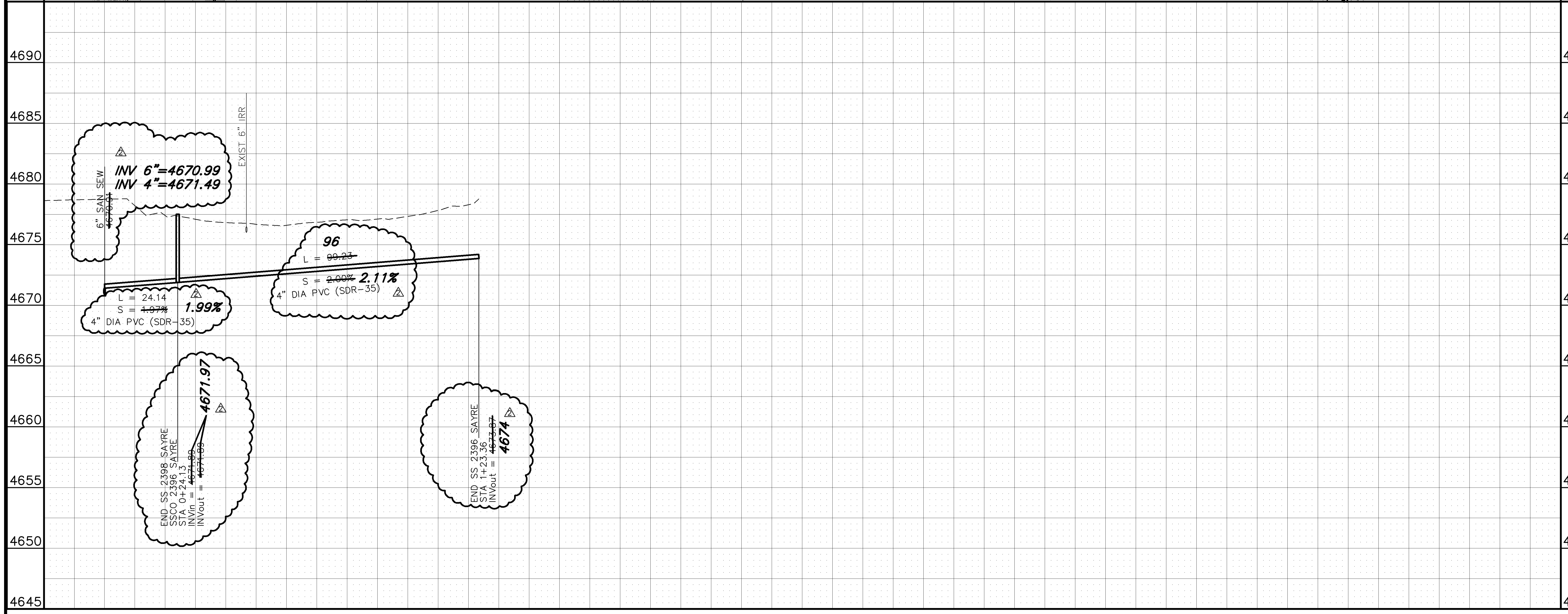
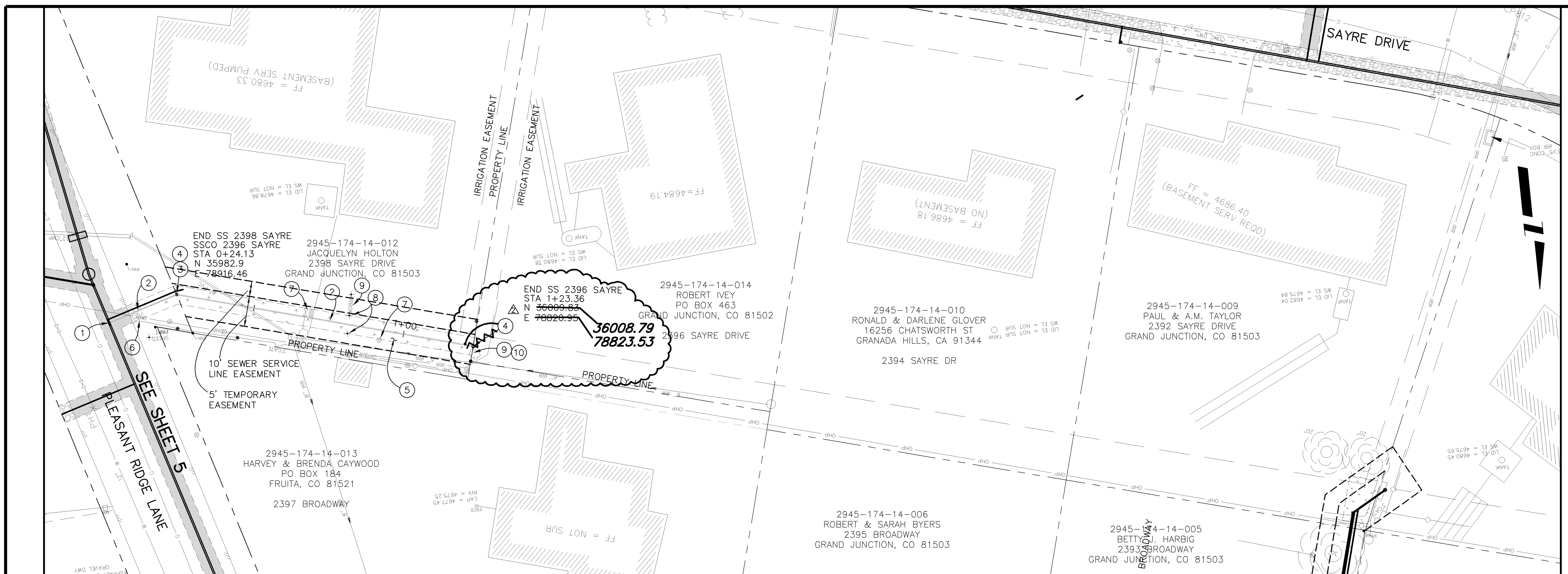


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BELL BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
SEWER SERVICE FOR 2390 AND 2392 SAYRE

CONSTRUCTION NOTES

- ① 102/103/104 - NEW 4" SEWER SERVICE TAP (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ② 102.9A - 4" GRAVITY SEWER SERVICE PIPE (SDR-35 PVC), BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③ 102 - 2-WAY SANITARY SEWER SERVICE CLEANOUT WITH IRRIGATION CONTROL BOX
- ④ 102 - 4" PVC CAP FOR SANITARY SEWER SERVICE LINE. THE CONTRACT UNIT PRICE FOR 4" GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF 4" PVC CAP.
- ⑤ 207/212 - TOPSOIL, 12" THICK, AND SOD.
- ⑥ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑦ 210 - RESET IRRIGATION VALVE/SYSTEM AS NEEDED TO FACILITATE SEWER INSTALLATION
- ⑧ 210 - RESET WOOD POST
- ⑨ PROTECT GRAPE VINES
- ⑩ PROTECT FENCE



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ	EASEMENT LOCATIONS SHOWN	4-26-05	JCS	2004
REVISION Δ	AS BUILT PER CONTRACTOR	3-06		
REVISION Δ				
REVISION Δ				

SCALES:	PLAN	PROFILE
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	HORIZONTAL	HORIZONTAL
		VERTICAL
		2.5 5

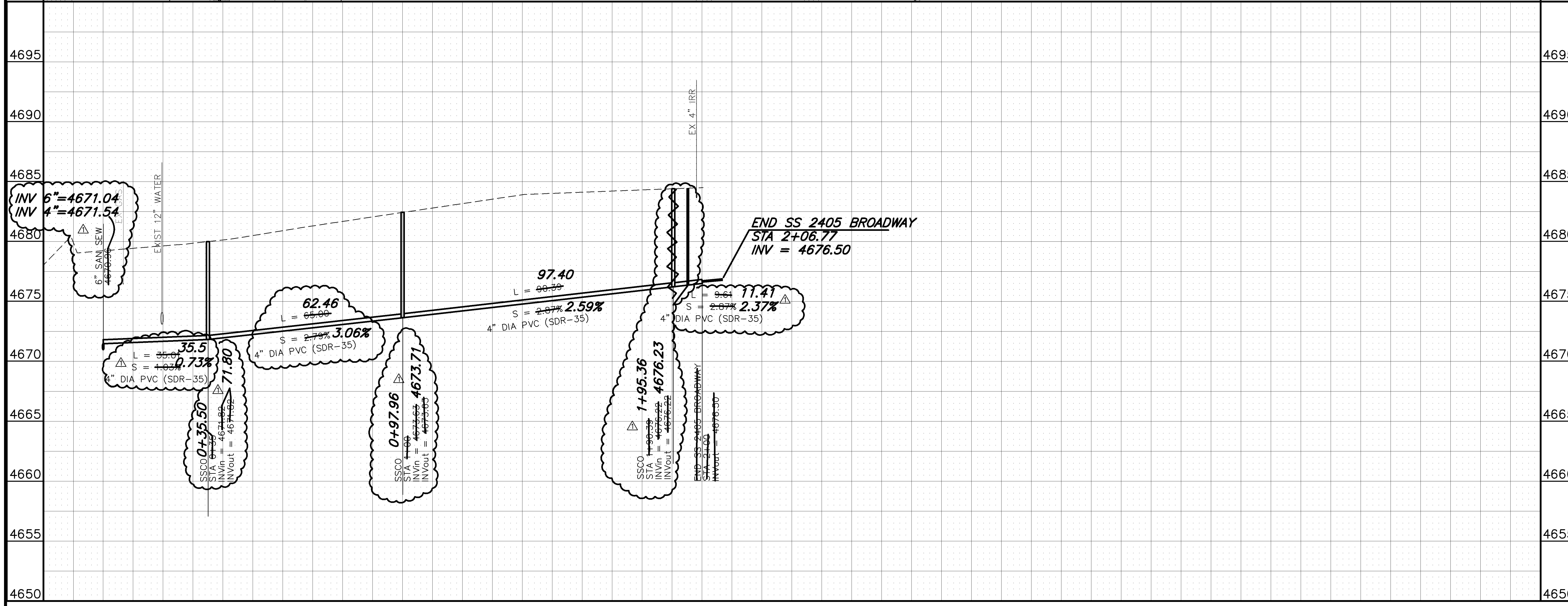
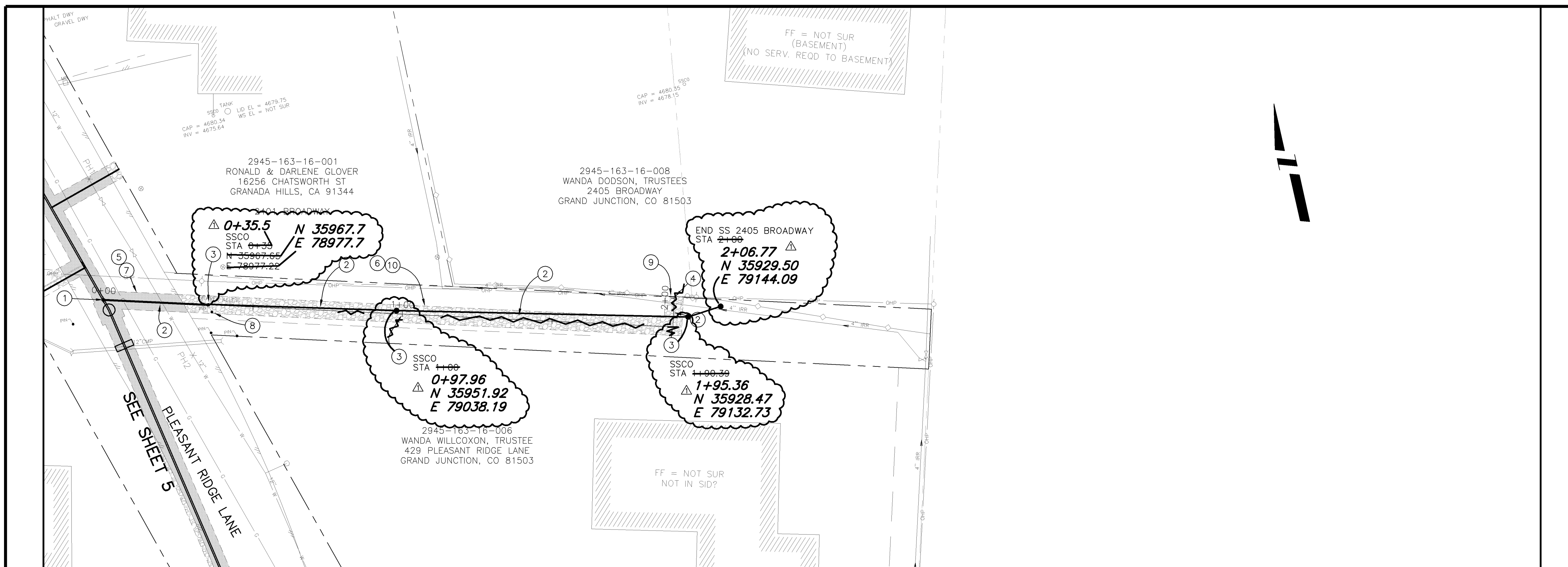


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

**MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
SEWER SERVICE FOR 2396 & 2398 SAYRE**

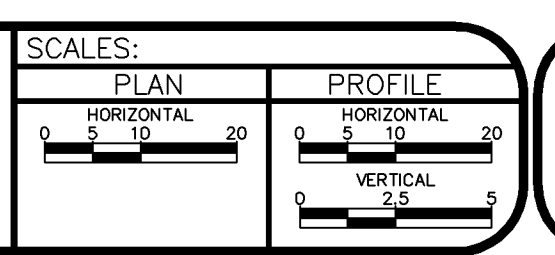
CONSTRUCTION NOTES

- ① 102/103/104 - NEW 4" SEWER SERVICE TAP (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ② 102.9A - 4" GRAVITY SEWER SERVICE PIPE (SDR-35 PVC), BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③ 102 - 2-WAY SANITARY SEWER SERVICE CLEANOUT WITH CASTINGS RING AND COVER (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-07).
- ④ 102 - 4" PVC CAP FOR SANITARY SEWER SERVICE LINE. THE CONTRACT UNIT PRICE FOR 4" GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF 4" PVC CAP.
- ⑤ 103.3 - ASPHALT REMOVAL: CUT AND REMOVE PAVEMENT AS SHOWN. GENERALLY WIDTH TO INSTALL MANHOLES WILL BE 8' CENTERED ON THE MANHOLE AND SQUARED OFF AS SHOWN. FOR MAIN LINE REMOVAL WIDTH WILL BE 6' MINIMUM AND 8' MAXIMUM CENTERED ON THE PIPE. SERVICE TRENCH WIDTH SHALL BE 6' MAXIMUM.
- ⑥ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑦ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑧ 629 - REFERENCE AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- ⑨ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑩ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK).



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

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REVISION	AS BUILT PER CONTRACTOR	3-06	DESIGNED BY		DATE	
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

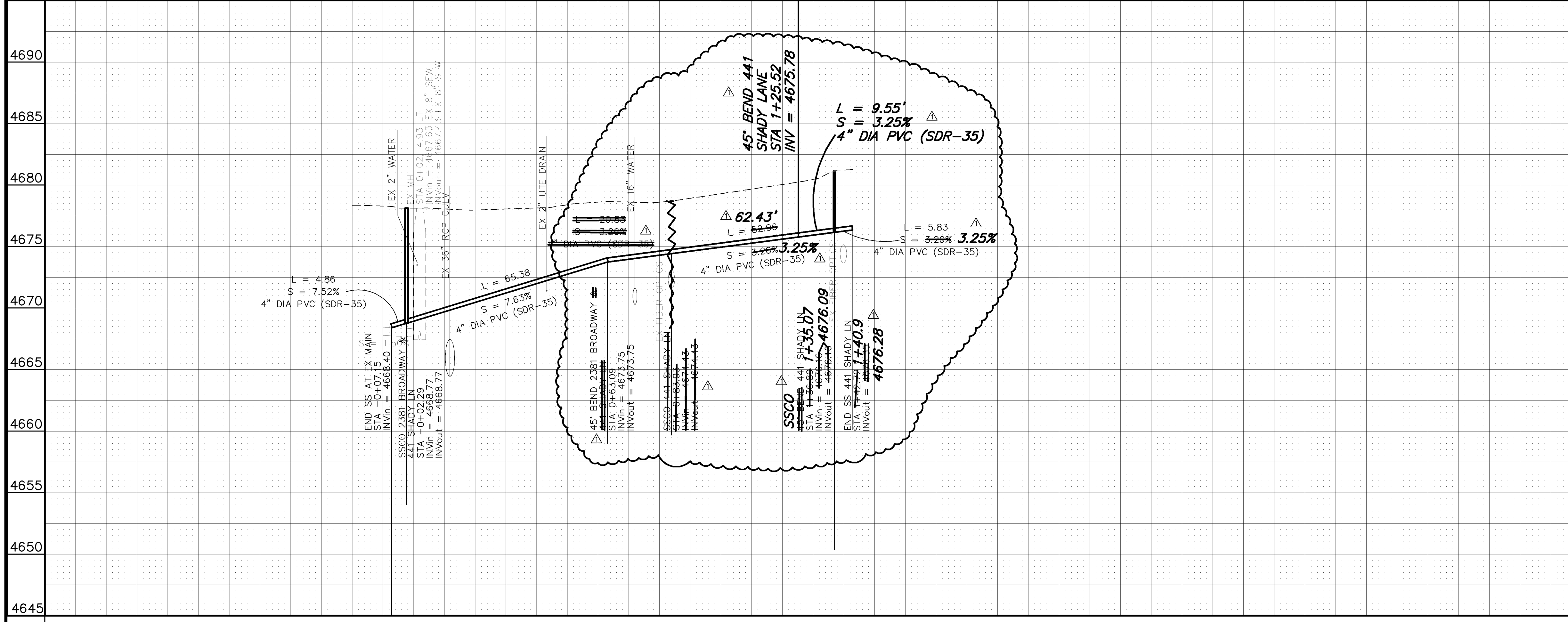
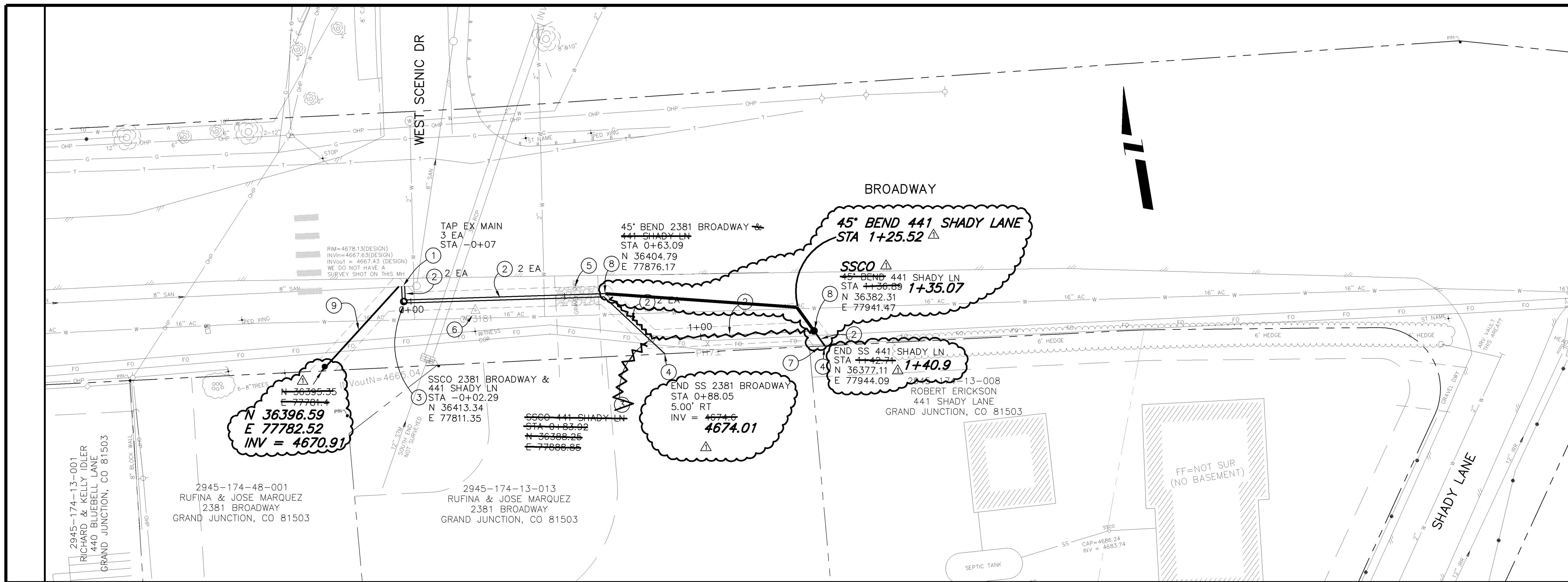


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BLUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
SEWER SERVICE FOR 2405 BROADWAY

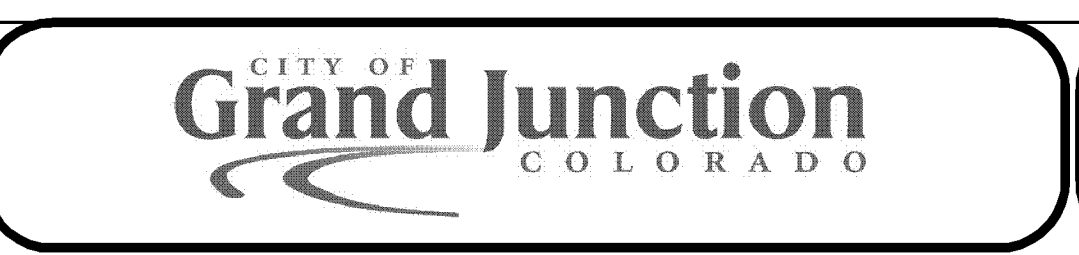
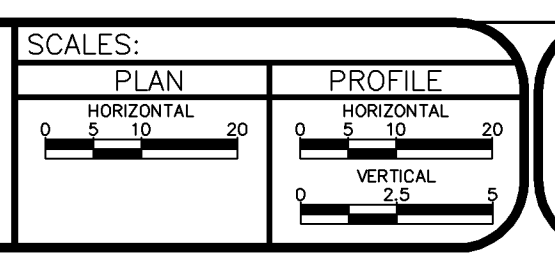
CONSTRUCTION NOTES

- ① 102/103/104 - NEW 4" SEWER SERVICE TAP (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ② 102.9A - 4" GRAVITY SEWER SERVICE PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③ 102 - 2-WAY SANITARY SEWER SERVICE CLEANOUT WITH CASTINGS RING AND COVER (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-07).
- ④ 102 - 4" PVC CAP FOR SANITARY SEWER SERVICE LINE. THE CONTRACT UNIT PRICE FOR 4" GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF 4" PVC CAP.
- ⑤ 304 - PLACE CLASS 6 ABC, 4" DEPTH.
- ⑥ 629 - PROTECT SURVEY MONUMENT
- ⑦ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑧ 102 - 45° BEND. THE CONTRACT UNIT PRICE FOR 4" GRAVITY SEWER PIPE SHALL INCLUDE THE COST OF 45° BENDS.
- ⑨ 102/103/104 - NEW 4" SEWER SERVICE TAP (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION). CONTRACTOR SHALL EXPOSE EXISTING SEWER MAIN, EXISTING 16" UTE WATER LINE, AND EXISTING FIBER OPTICS LINE. REPORT ELEVATIONS AT EACH CROSSING BACK TO PROJECT ENGINEER, AND PROJECT ENGINEER IN TURN WILL GIVE THE CONTRACTOR A GRADE TO LAY THE SEWER SERVICE. THE CONTRACT UNIT PRICE FOR 4" SEWER SERVICE TAP SHALL INCLUDE THE COST OF ALL THE WORK MENTIONED HEREIN.



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REVISION	AS BUILT PER CONTRACTOR	3-06	DESIGNED BY		DATE	
REVISION			CHECKED BY		DATE	
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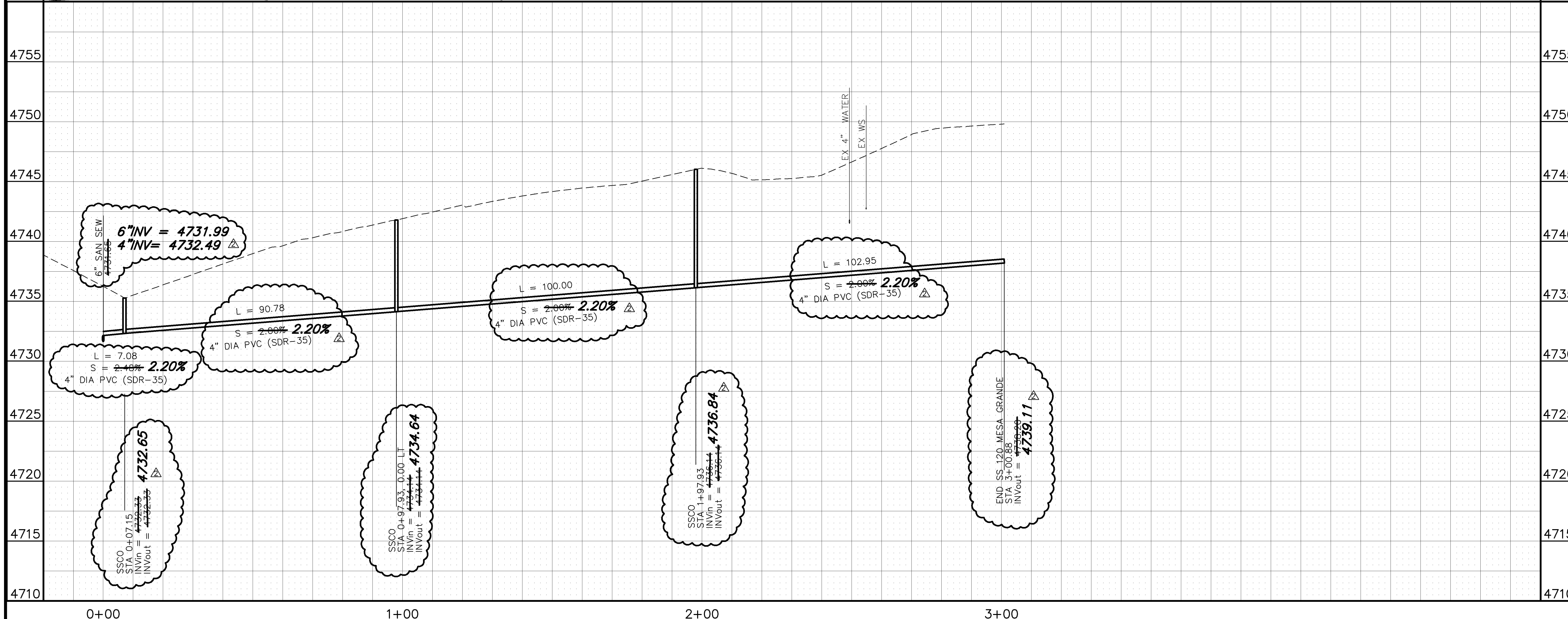
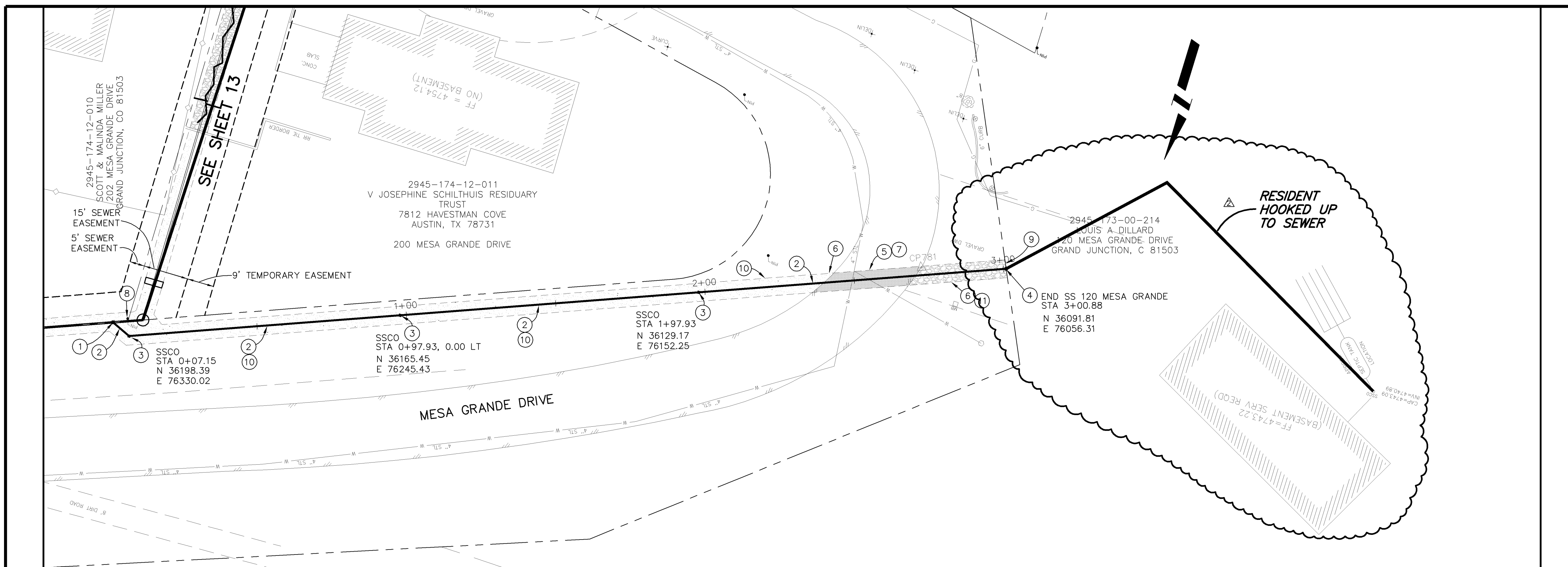


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
SEWER SERVICE FOR 2381 BROADWAY AND 441 SHADY LANE

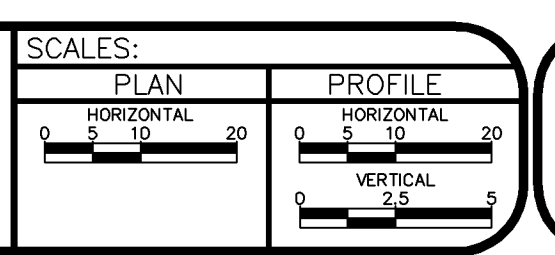
CONSTRUCTION NOTES

- ① 102/103/104 - NEW 4" SEWER SERVICE TAP (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ② 102.9A - 4" GRAVITY SEWER SERVICE PIPE (SDR-35 PVC), BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③ 102 - 2-WAY SANITARY SEWER SERVICE CLEANOUT WITH CASTINGS RING AND COVER (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-07).
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- ⑦ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CLASS 6 ABC, 6" DEPTH.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) 3" DEPTH (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑧ 629 - REFERENCE AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- ⑨ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE.
- ⑩ 212/213 RESEED WITH NATIVE DRYLAND GRASS SEED MIX. APPLY HYDROMULCH.
- ⑪ 210 - RESET LANDSCAPE APPURTENANCE (DECORATIVE ROCK)



NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

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REVISION			APPROVED BY		DATE	



PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

MESA GRANDE/BUE BELL SEWER IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILES
SEWER SERVICE FOR 120 MESA GRANDE DR