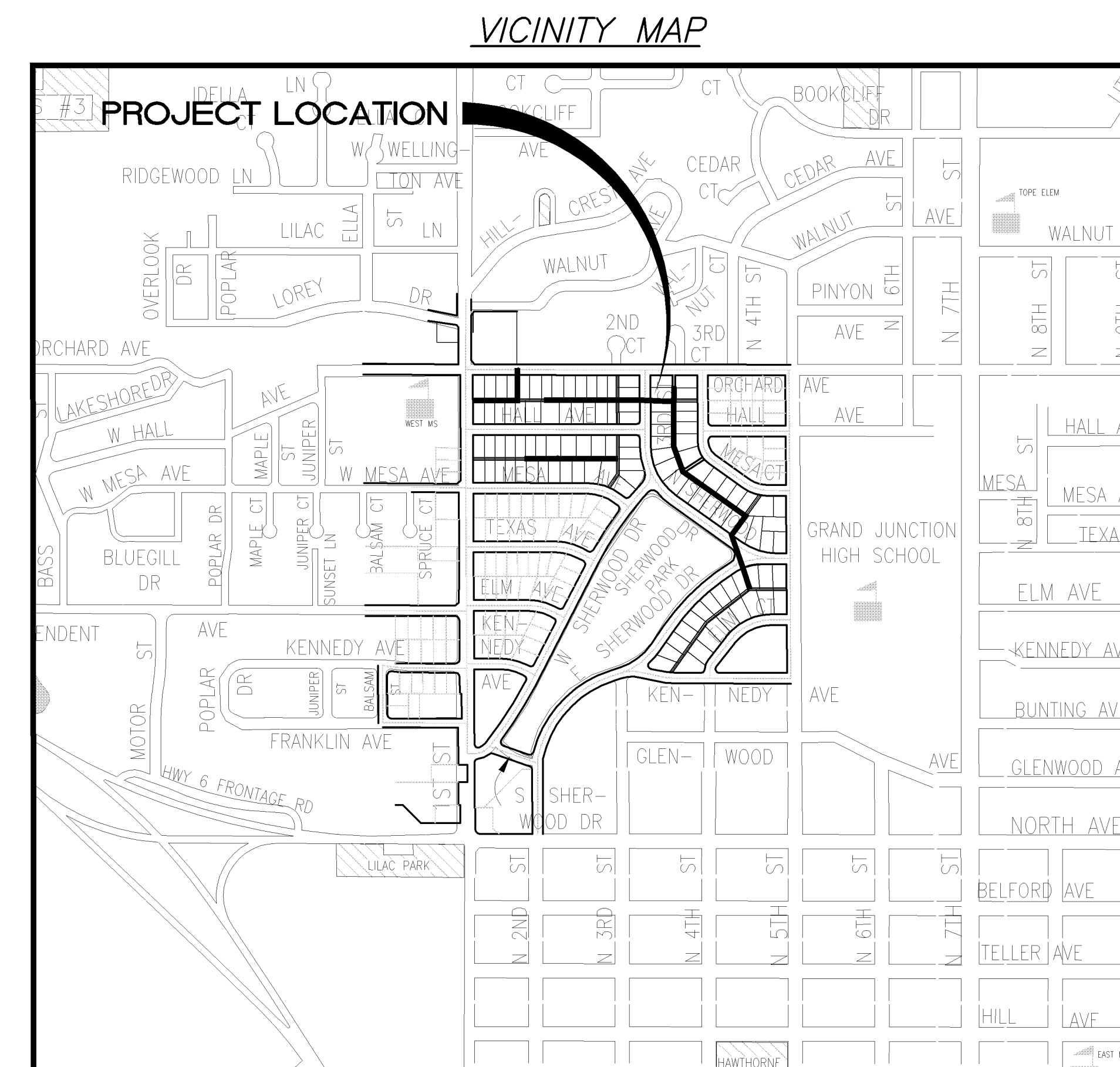


SEWER LINE REPLACEMENTS SHERWOOD PARK ASBUILT - MAY 2006

- 1 ————— Cover Sheet
- 2 ————— Standard Abbreviations, Legend, and Symbols
- 3 ————— Summary of Approximate Quantities
- 4 ————— Survey Control Plan
- 5 ————— Storm Water Management Plan & Construction Access
- 6-11 ——— Sanitary Sewer, Line A - Plan and Profiles between:
Hall Avenue & Orchard Avenue,
N. Sherwood Drive & Mesa Court
E. Sherwood Drive & Elm Court
- 6-11 ——— Sanitary Sewer, Line B - Plan and Profile between:
N. 3rd Street & N. 4th Street
- 13-14 ——— Sanitary Sewer, Line C - Plan and Profiles between:
Hall Avenue and Orchard Avenue to 1st Street
- 15-16 ——— Sanitary Sewer, Line D - Plan and Profiles between:
Mesa Avenue and Hall Avenue to 1st Street



UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
GRAND JUNCTION, CITY OF	MIKE CURTIS	PROJECT ENGINEER	PROJECT ENGINEER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 256-4004	(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
GRAND VALLEY IRRIGATION CO.	PHIL BERTRAND		IRRIGATION	688 26 ROAD	688 26 ROAD	GRAND JCT., CO 81506	(970) 242-2762	
BRESNAN	SCOTT WRIGHT		CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 986-1211	(970) 245-6803
U.S. WEST/QWEST	TIM HALE	ENGINEER	TELEPHONE	2524 BLICKMAN ROAD	2524 BLICKMAN ROAD	GRAND JCT., CO 81504	(970) 244-4514	(970) 240-4349
UTE WATER	DARYL MOORE	ENGINEER	WATER	PO BOX 460		GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	GARY LEWIS	PROJECT MANAGER	GAS, ELECTRIC	2538 BLICKMAN ROAD	2538 BLICKMAN ROAD	GRAND JCT., CO 81504	(970) 244-2698	(970) 244-2661

DRAWING STATUS:	
○ PROGRESS	○ FINAL CONSTRUCTION DRAWINGS
○ ASBUILT	● ASBUILT
DESIGNED BY:	
MIKE CURTIS, PROJECT ENGINEER	DATE
REVIEWED BY:	
BRET GUILLORY, UTILITY ENGINEER	DATE
AUTHORIZED FOR CONSTRUCTION	
TRENT PRALL, CITY ENGINEER	DATE
ACCEPTED AS CONSTRUCTED	
MIKE CURTIS, PROJECT ENGINEER	DATE



*Public Works & Utilities
Engineering Division*

SEWER LINE REPLACEMENTS - SHERWOOD PARK - ASBUILTS, MAY 2006, 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
VPC	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

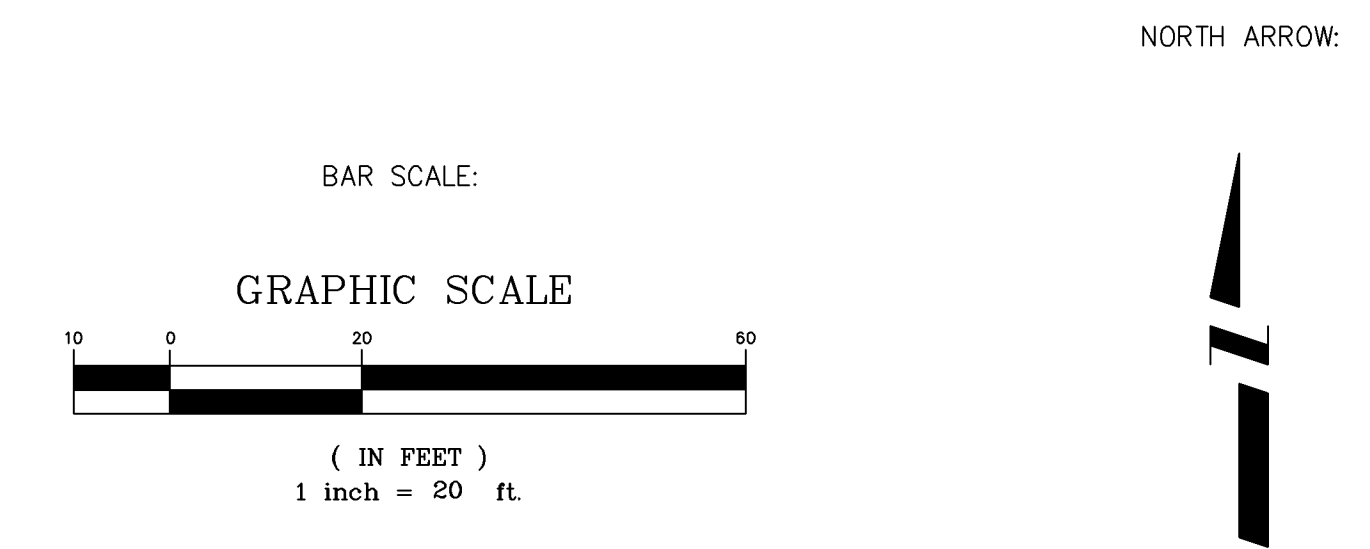
LEGEND

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	
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	MATCH LINE SEE SHEET NO ?
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 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	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	4-02	SCALE	PLAN	PROFILE
REVISION			DESIGNED BY		DATE			HORIZ.	N/A
REVISION			CHECKED BY		DATE			VERT.	N/A
REVISION			APPROVED BY		DATE				



PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

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

N:\Landing\02110303\02110303_PWP\02110303_PWP_Sherwood Park Sewerline Replacement.dwg 01/26/2008 1:28:34 PM

REVISION	DESCRIPTION	DATE
REVISION Δ	_____	_____
REVISION Δ	_____	_____
REVISION Δ	_____	_____
REVISION Δ	_____	_____

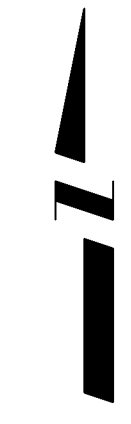
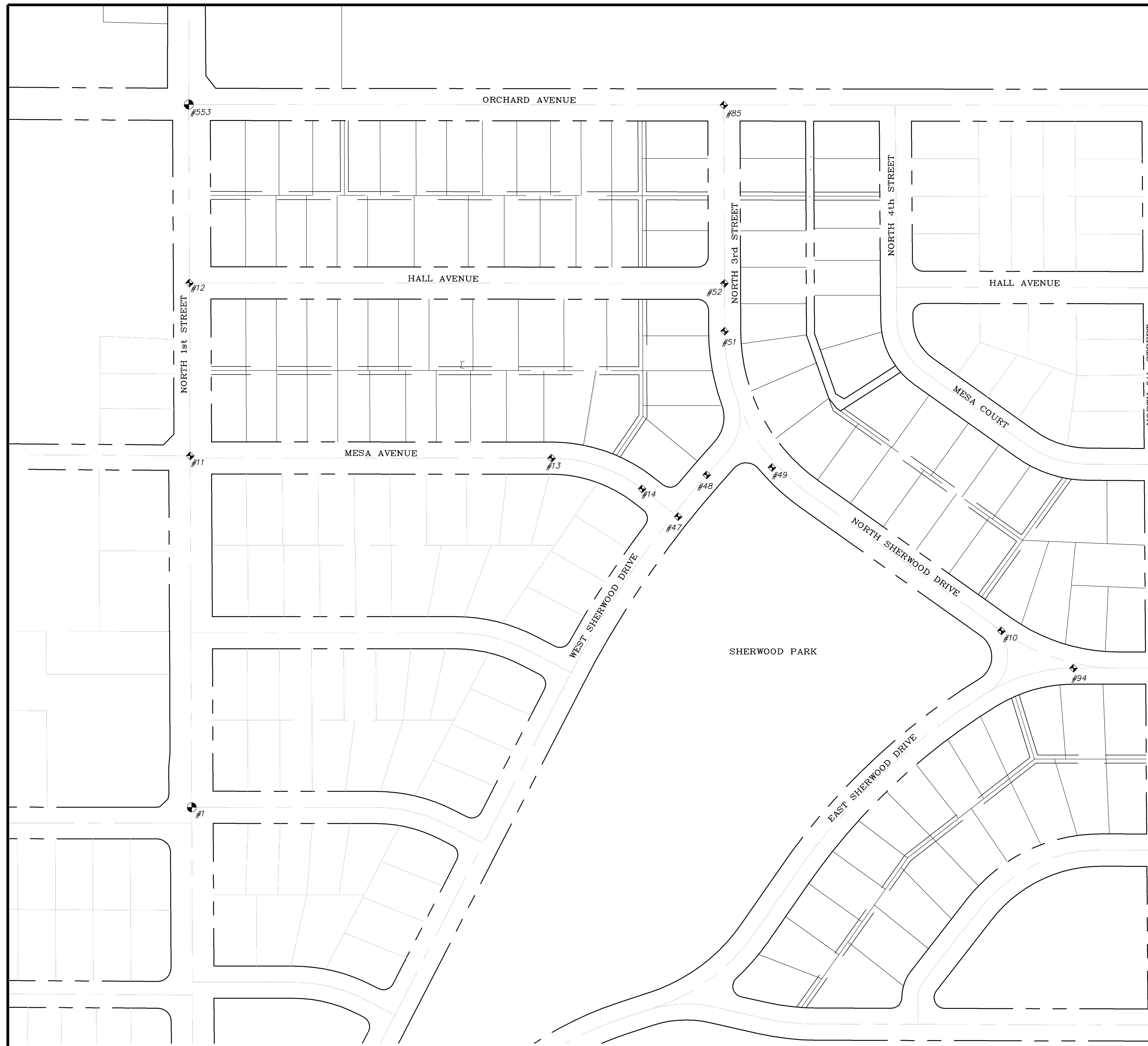
DRAWN BY	TLT	DATE	2005
DESIGNED BY	MRC	DATE	2005
CHECKED BY	_____	DATE	_____
APPROVED BY	_____	DATE	_____

SCALE
N.T.S.



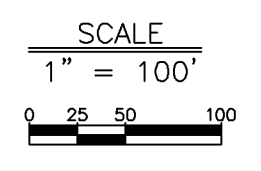
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

SEWERLINE REPLACEMENT
SHERWOOD PARK – SCHEDULE "B"
SUMMARY OF APPROXIMATE QUANTITIES



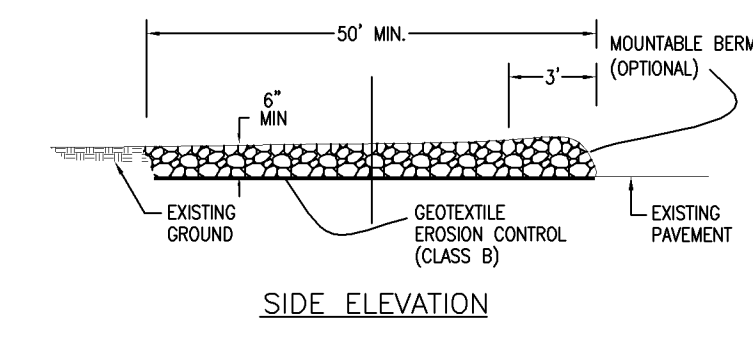
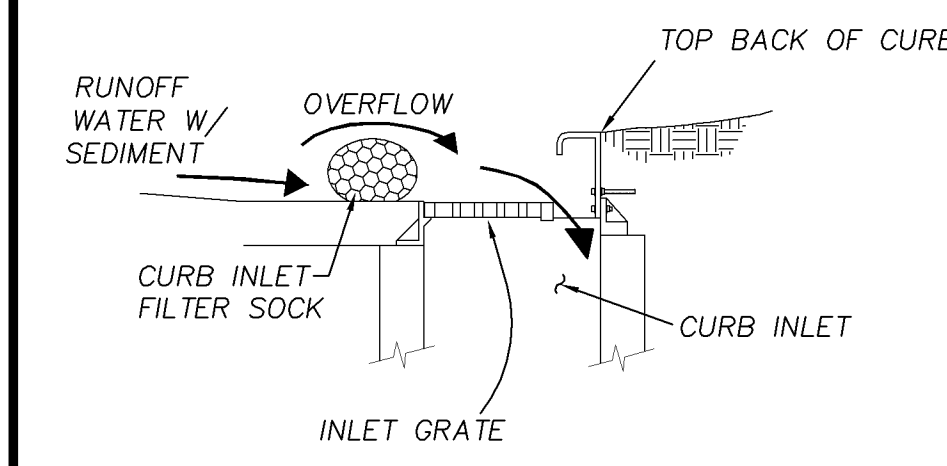
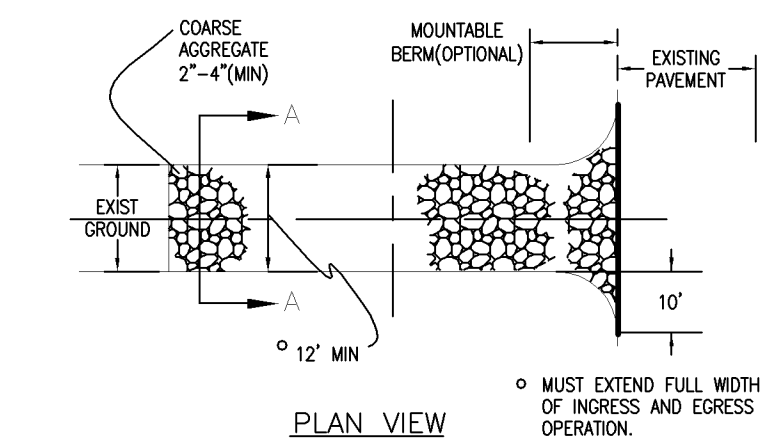
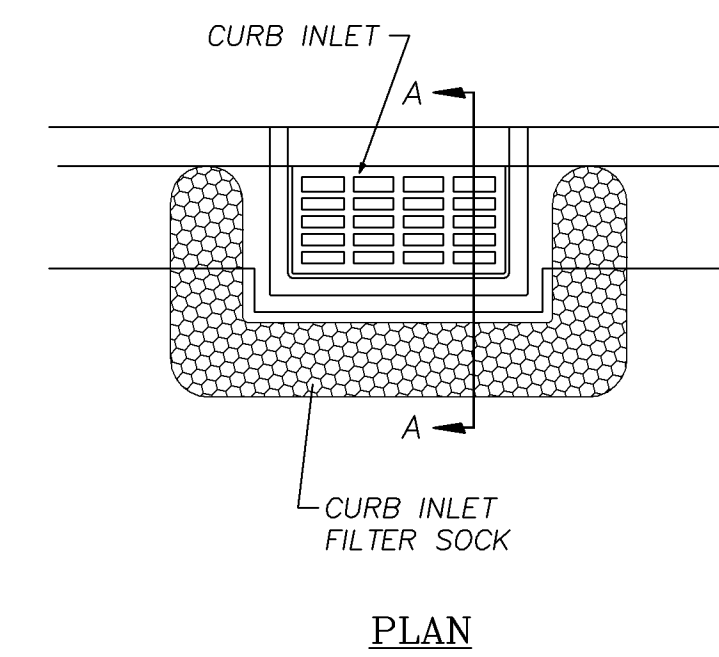
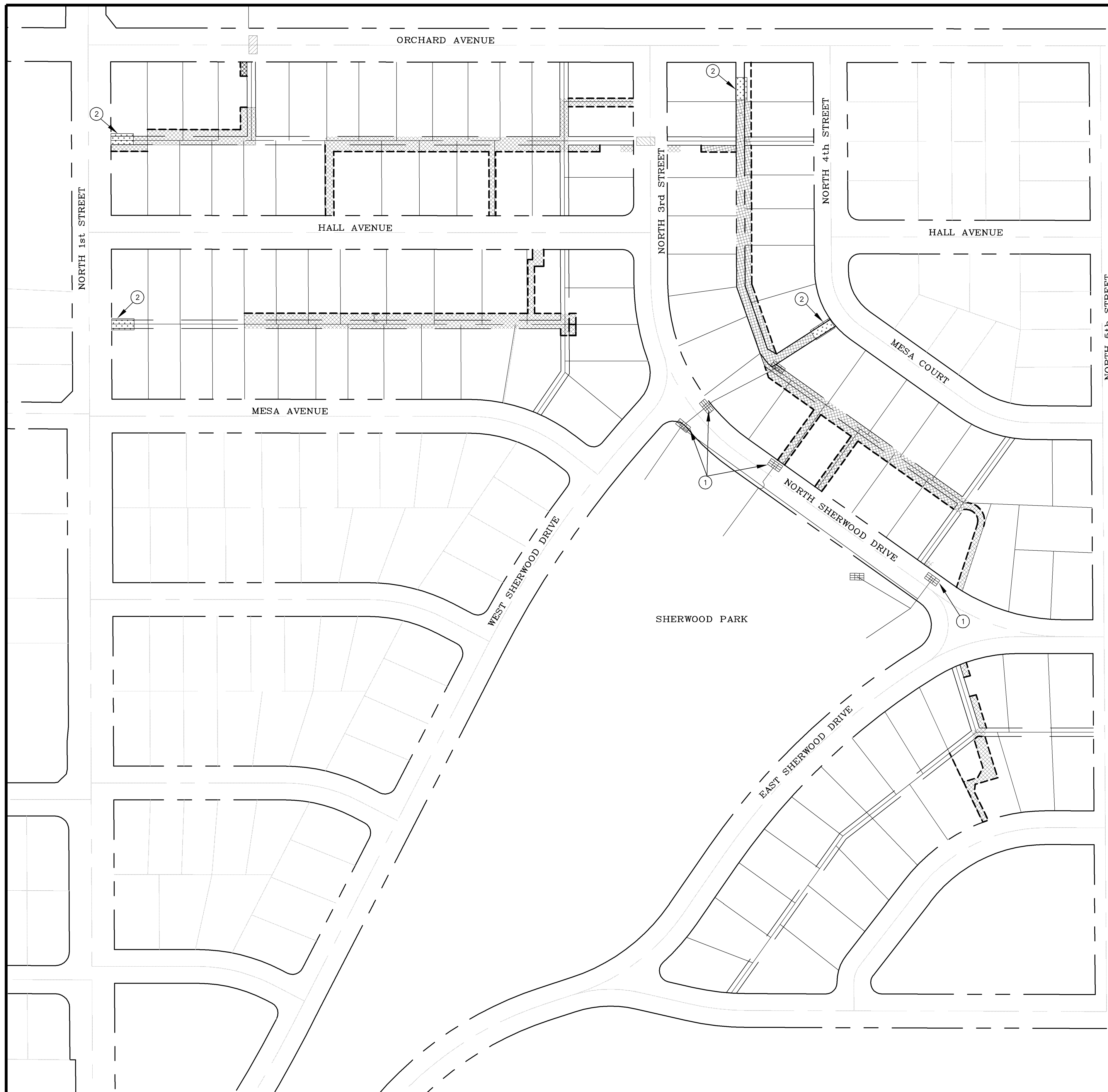
PROJECT CONTROL DATA				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	40786.21	89449.11	4603.98	MESA COUNTY SURVEY MONUMENT AT INTERSECTION OF NORTH 1ST ST. AND ELM AVE.
10	41115.61	90960.29	4610.63	CITY SURVEY MONUMENT AT PC OF NORTH SHERWOOD DR. AND EAST SHERWOOD DR.
11	41442.09	89446.20	4607.66	CITY SURVEY MONUMENT AT THE INTERSECTION OF NORTH 1st ST. AND MESA AVE.
12	41764.65	89444.85	4609.71	CITY SURVEY MONUMENT AT THE INTERSECTION OF NORTH 1st ST. AND HALL AVE.
13	41437.57	90120.63	4609.96	CITY SURVEY MONUMENT AT PC OF MESA AVE.
14	41380.34	90289.51	4609.07	CITY SURVEY MONUMENT AT PT OF MESA AVE.
47	41328.62	90356.81	4610.88	CITY SURVEY MONUMENT 214'± SOUTHWEST OF THE INTERSECTION OF N SHERWOOD DR AND WEST SHERWOOD DR
48	41406.42	90410.23	4610.09	CITY SURVEY MONUMENT 120'± SOUTHWEST OF THE INTERSECTION OF N SHERWOOD DR AND WEST SHERWOOD DR
49	41420.23	90532.09	4610.88	CITY SURVEY MONUMENT 87'± SOUTHEAST OF THE INTERSECTION OF N SHERWOOD DR AND WEST SHERWOOD DR
51	41674.61	90443.68	4611.59	CITY SURVEY MONUMENT AT N 3RD ST PT AT CENTERLINE 89'± SOUTH OF INTERSECTION OF HALL AVE AND N 3RD ST
52	41763.85	90443.33	4612.44	CITY SURVEY MONUMENT AT INTERSECTION OF N 3RD ST AND HALL AVE.
85	42096.61	90442.15	4616.43	CITY SURVEY MONUMENT AT INTERSECTION OF ORCHARD AVE. AND N 3RD ST.
94	41045.92	91094.85	4612.00	CITY SURVEY MONUMENT AT PT OF N SHERWOOD DR. AND EAST SHERWOOD DR.
553	42097.7	89443.66	4608.69	MESA COUNTY SURVEY MONUMENT AT INTERSECTION OF N 1ST ST AND ORCHARD AVE.

REVISION	DESCRIPTION	DATE	DRAWN BY	TLT	DATE	2005
REVISION			DESIGNED BY	MRC	DATE	2005
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

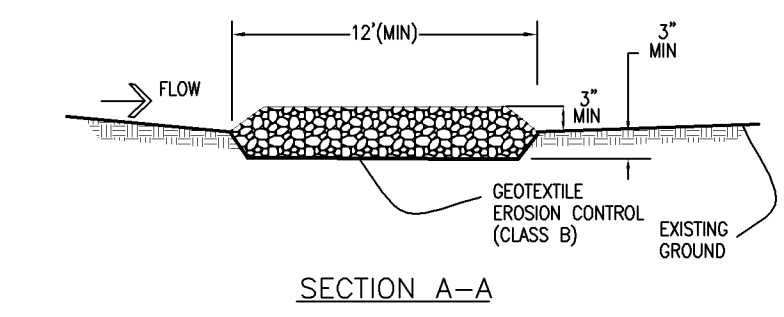


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK – SCHEDULE "B" SURVEY CONTROL PLAN



1 GRAVEL FILTER AT CURB INLET N.T.S.



2 STABILIZED CONSTRUCTION ENTRANCE N.T.S.

LEGEND

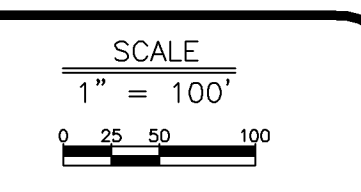
CONSTRUCTION ACCESS & AREAS OF DISTURBANCE (2.0 ACRES APPROXIMATE) [Cross-hatched pattern]

ASPHALT REMOVAL [Diagonal hatched pattern]

HYDROLOGIC SOIL TYPES
SCS SOIL TYPE C - SANDY CLAY LOAM

- EROSION CONTROL MEASURES**
- The general requirements for erosion control work shall be as follows:
- Performance Standards**
- Any grading shall be conducted in such a manner so as to effectively reduce accelerated soil erosion and resulting sedimentation.
 - All grading shall be designed, constructed and completed in such a manner so that exposed area of any disturbed land shall be limited to the shortest time period.
 - Sediment caused by accelerated soil erosion shall be removed from runoff water before leaving the site.
 - Any temporary or permanent facility designed and constructed for the conveyance of water around, through, or from the graded area shall be designed to limit the water flow to a non-erosive velocity.
- Maintenance**
- The contractor or his designated representative shall make routine checks on all erosion control measures to determine if repairs or sediment removal is necessary.
 - After each rainfall or moderate snow melt, erosion control measures are to be checked. If repairs are needed, they shall be completed immediately.
 - When temporary measures are to be removed, any silt and sediment deposits shall be removed and spread evenly in fill areas.
- General Notes**
- At all times during construction, erosion and sediment control shall be maintained by the contractor or his designated representative.
 - Erosion control system shall be installed as grading progresses.
 - Details shown are schematic only. Adjust as necessary to fit field conditions.
 - Negative impacts to downstream areas (or receiving waters) caused by the slope grading to be monitored and corrected by the contractor.
 - Construction traffic entrances shall be cleaned on a continual basis during construction operations and final grading.

REVISION	DESCRIPTION	DATE	DRAWN BY	TLT	DATE	2005
REVISION			DESIGNED BY	MRC	DATE	2005
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	



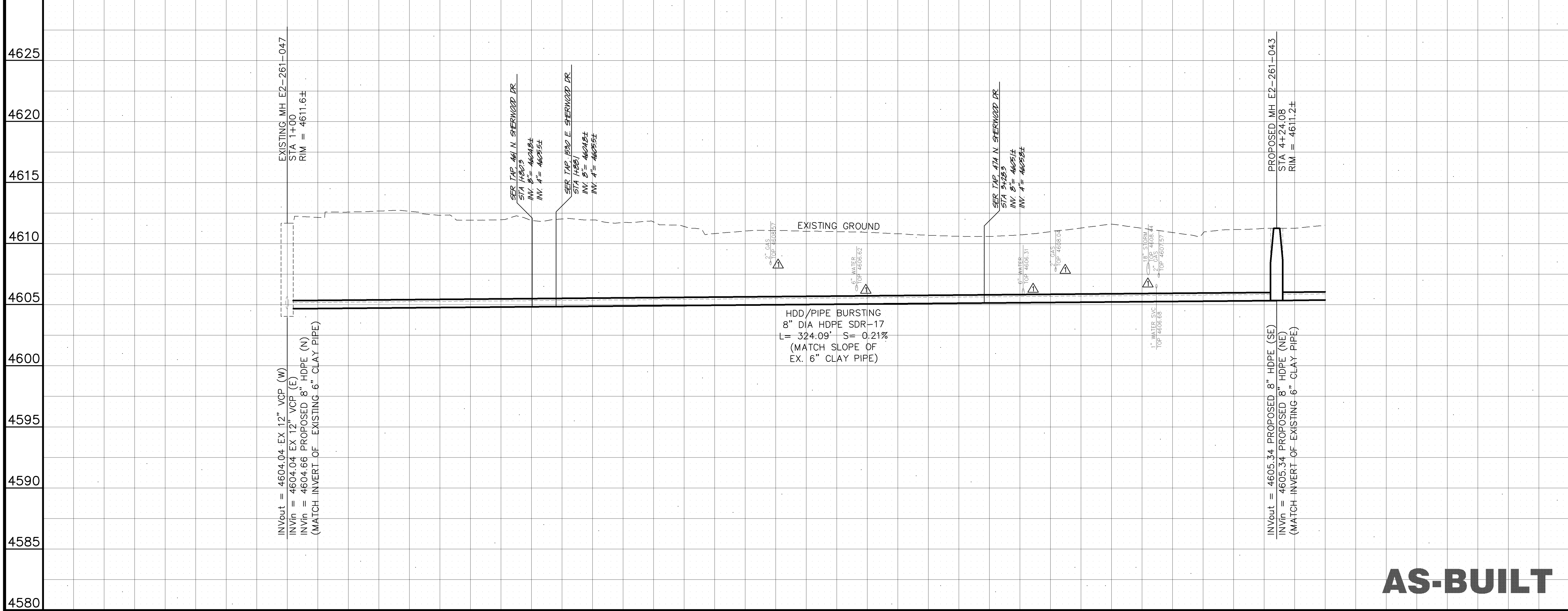
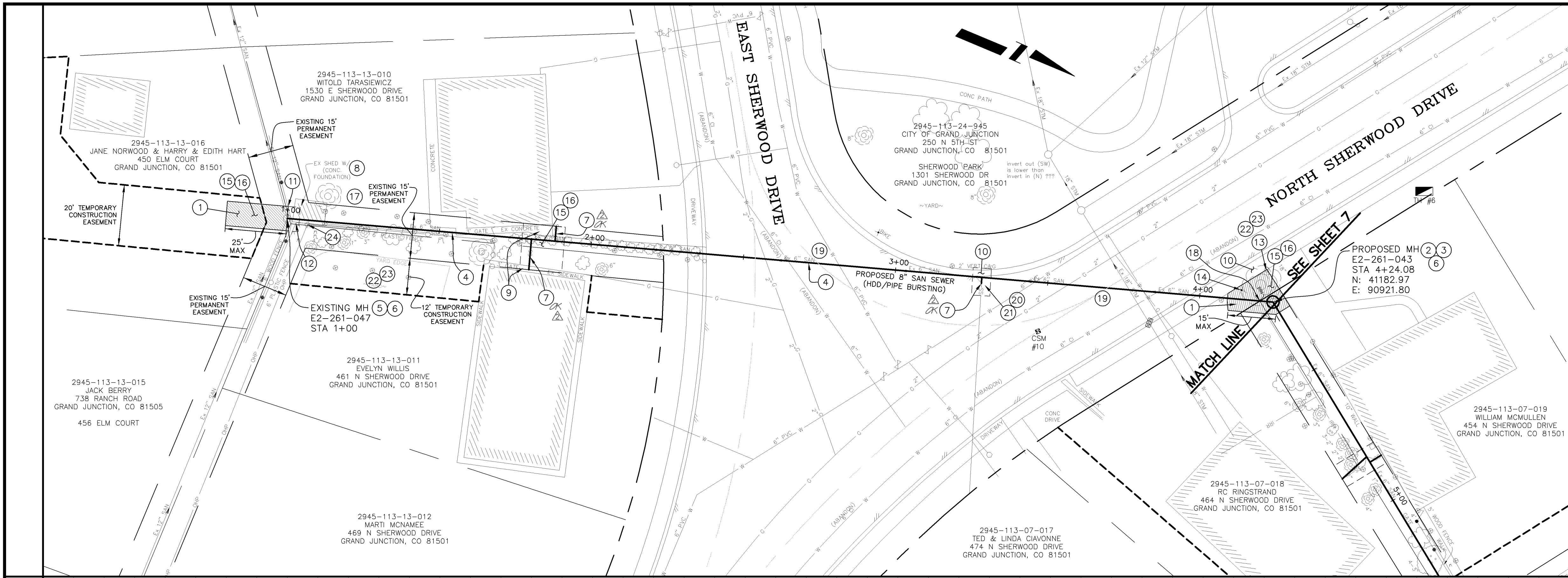
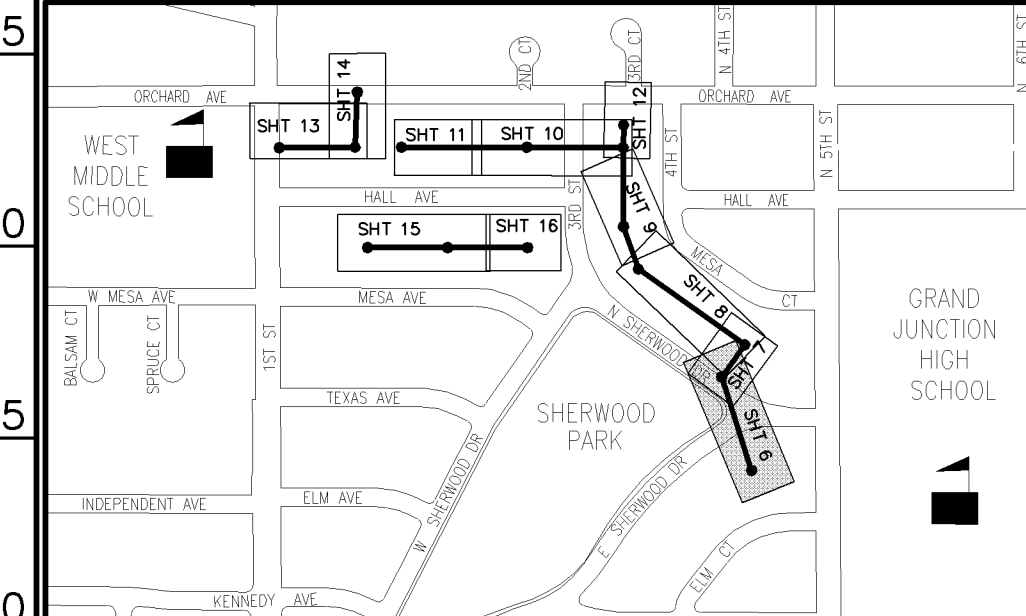
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" STORM WATER MANAGEMENT PLAN & CONSTRUCTION ACCESS

CONSTRUCTION NOTES

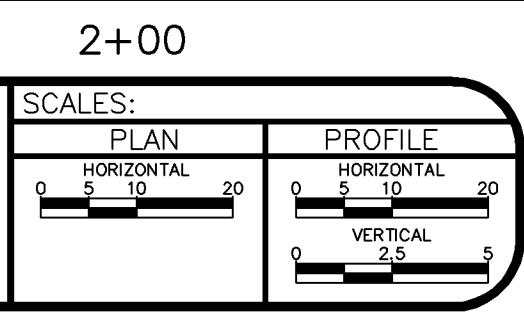
- 1 EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTER AND HDPE PIPE. BACK FILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACK FILL MATERIAL.
- 2 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 3 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 4 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- 5 210.00 - CONNECT NEW 8" SDR-17 HDPE PIPE TO EXISTING MH. MANHOLE BASE IS CAST-IN-PLACE. REMOVE EXISTING 6" CLAY PIPE AND PROVIDE ROUND OPENING FOR FLEXIBLE CONNECTOR PER STANDARD DETAIL SS-08. PROTECT 12" CLAY PIPE.
- 6 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 7 102.9 INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" SDR-35 PVC GRAVITY SEWER PIPE TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- 8 202 - REMOVE EXISTING CONCRETE FOUNDATION. EXISTING SHED SHALL BE REMOVED BY OTHERS.
- 9 202 - REMOVE AND REPLACE EXISTING CONCRETE WALK AS NEEDED TO FACILITATE SEWER WYE INSTALLATION.
- 10 CONTRACTOR SHALL PROTECT EXISTING CONCRETE CURB, GUTTER AND SIDEWALK.
- 11 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 12 210.04 - RESET EXISTING PLASTIC FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 13 210.11B - RESET EXISTING SPRINKLER SYSTEMS AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 14 210 - RESET EXISTING SIGN AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 15 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 16 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)
- 17 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 18 629 - REFERENCE, REMOVE, AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- 19 CONTRACTOR SHALL POTHOLE UTILITY AND SANITARY SEWER SERVICE CROSSINGS TO VERIFY DEPTHS AND LOCATIONS. PROTECT EXISTING UTILITY PIPES WITHIN 30 INCHES OF EXISTING SANITARY SEWER PER SPECIAL PROVISIONS.
- 20 103.3 - 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.
- 21 103.18 - PAVEMENT REPLACEMENT:
304.00 - CDOT CLASS-5 AGGREGATE BASE COURSE. SAME THICKNESS AS EXISTING (6" MIN.). COMPACTED TO 95% AASHTO T-150.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) MATCH EXISTING THICKNESS (3" MIN.). (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- 22 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES AND OUTSIDE OF EASEMENT LINES.
- 23 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- 24 UTILITY POLE AND GUY WIRES SHALL BE RESET OUTSIDE CONSTRUCTION LIMITS BY OTHERS.

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.



AS-BUILT

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	ADDENDUM-1	10/26/05	TLT	2005
2	AS-BUILT DRAWINGS	MAY 2006	MRC	2005
3				
4				

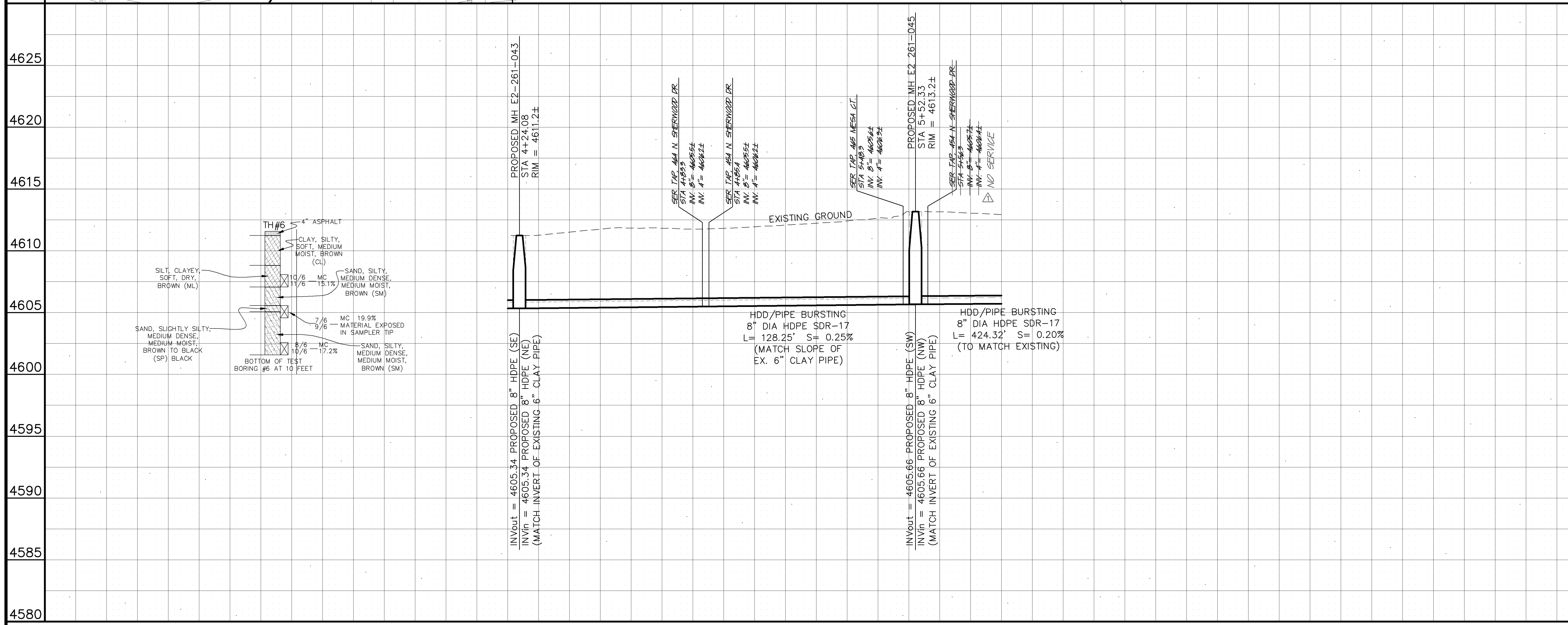
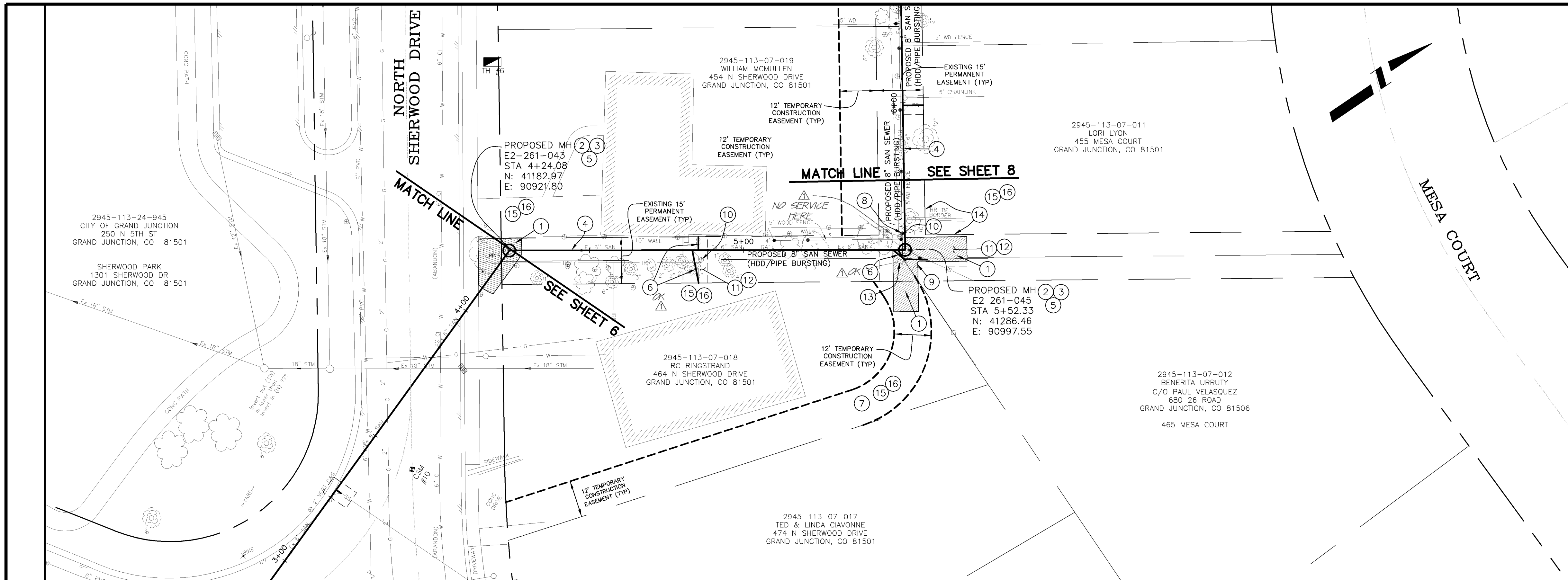


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE A - PLAN AND PROFILE STA 1+00 TO STA 4+25

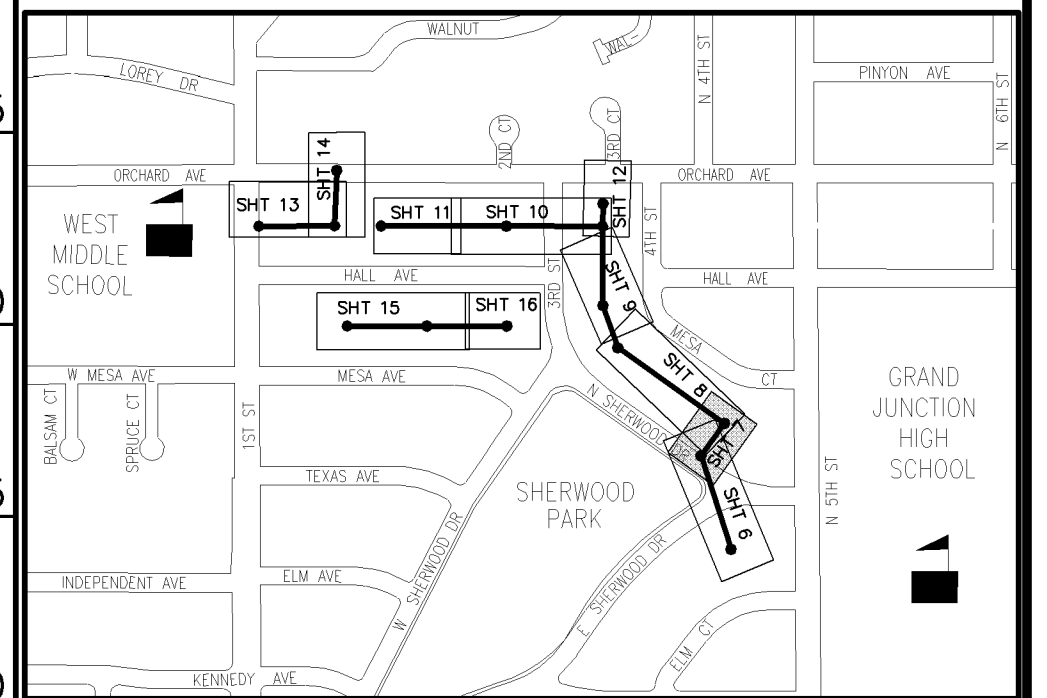
CONSTRUCTION NOTES

- ① EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTOR AND HDPE PIPE. BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- ③ 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ④ 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- ⑤ BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- ⑥ 102.9 INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- ⑦ 201/212 - REMOVE AND REPLACE "CRESTED WHEAT GRASS" SOD (TOPSOIL 6" THICK) BY SEEDING.
- ⑧ 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑨ 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑩ 210.11B - RESET EXISTING SPRINKLER SYSTEMS AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑪ 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- ⑫ 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)(TYP)
- ⑬ UTILITY POLE AND GUY WIRES SHALL BE RESET OUTSIDE CONSTRUCTION LIMITS BY OTHERS.
- ⑭ 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- ⑮ PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- ⑯ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.



AS-BUILT

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 1	AS-BUILT DRAWINGS	MAY 2006	TLT	2005
REVISION 2			MRC	2005
REVISION 3				
REVISION 4				

SCALES:

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

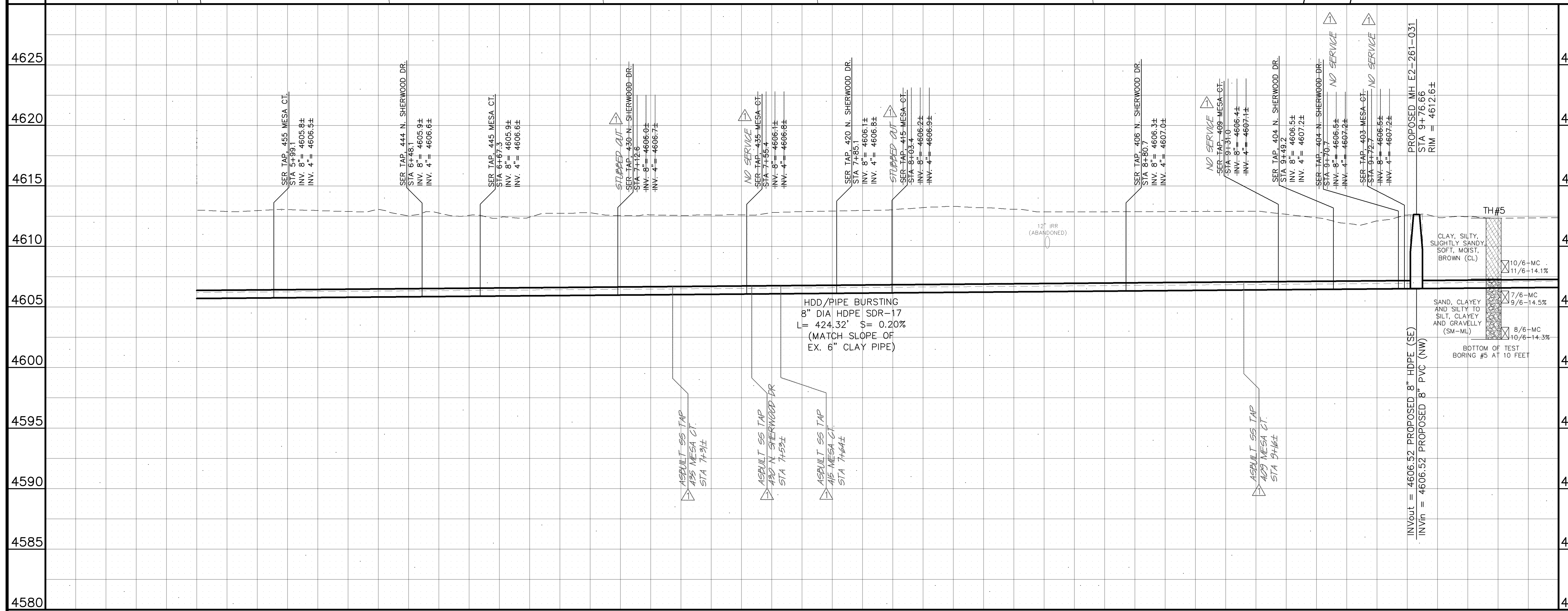
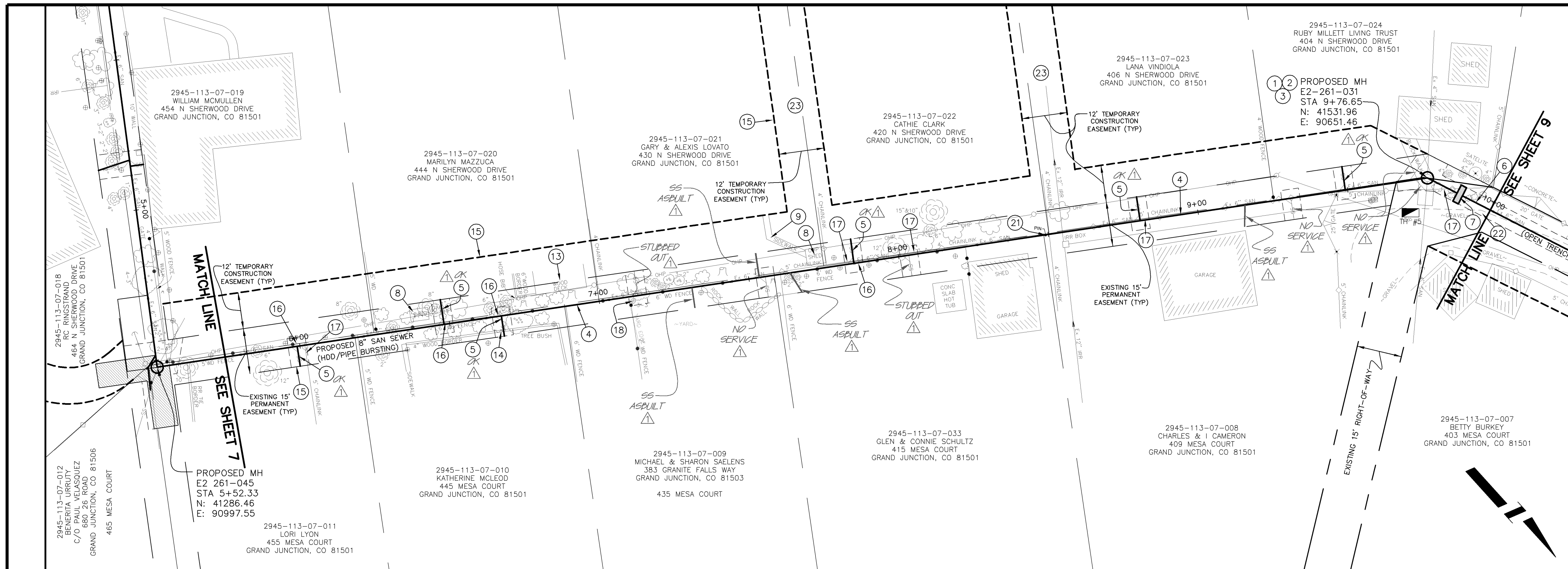


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE A - PLAN AND PROFILE STA 4+25 TO STA 5+75

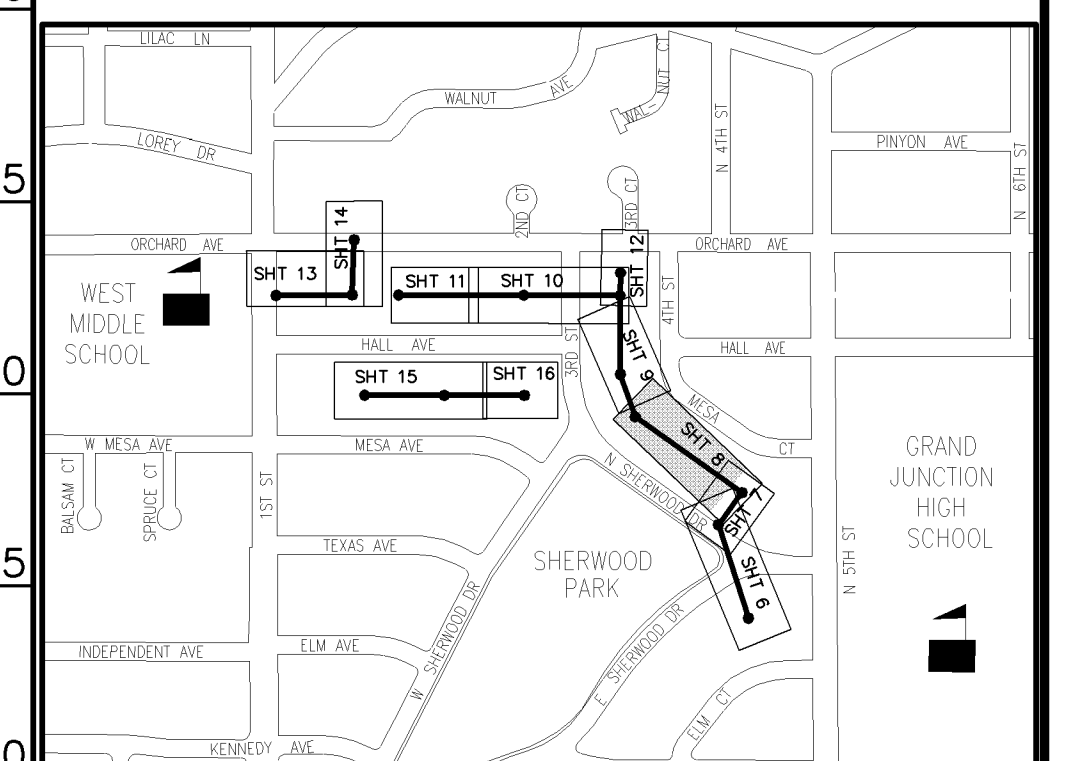
CONSTRUCTION NOTES

- 1 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 2 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 3 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 4 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- 5 102.9 - INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- 6 102.9A - 8" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 7 104 - INSTALL CLAY CUT-OFF WALL.
- 8 202 - EXISTING SHED TO BE REMOVED BY OTHERS.
- 9 202/608 - REMOVE EXISTING CONCRETE SIDEWALK FROM WITHIN PERMANENT AND TEMPORARY EASEMENTS. REPLACE CONCRETE SIDEWALK TO RELOCATED SHED.
- 10 202 - REMOVE EXISTING BLOCK SIDEWALK FROM WITHIN PERMANENT AND TEMPORARY EASEMENTS. STOCKPILE FOR RESIDENTS USE.
- 11 202 - REMOVE ROCK WALL AS NEEDED TO FACILITATE SEWER INSTALLATION. STOCKPILE FOR RESIDENTS USE.
- 12 210.04 - RESET EXISTING CHAINLINK FENCE AND GATE OUTSIDE OF RIGHT-OF-WAY.
- 13 210.11C - RESET EXISTING WOOD DECK IF NECESSARY. PROTECT TRAMPOLINE AND CONCRETE FOUNDATION.
- 14 202 - REMOVE EXISTING WOOD BORDER AS NEEDED TO FACILITATE SEWER INSTALLATION. STOCKPILE FOR RESIDENTS USE.
- 15 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 16 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 17 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 18 210.11B - RESET EXISTING SPRINKLER SYSTEMS AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 19 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 20 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)
- 21 629 - REFERENCE, REMOVE, AND RESET SURVEY MONUMENT OR PROPERTY PIN.
- 22 304 - REGRADE GRAVEL ROAD WITH CLASS 6 ABC, 6" DEPTH, INSTALLED AND COMPACTED TO 90% AASHTO T-180.
- 23 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL. (TYP)
- 24 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.

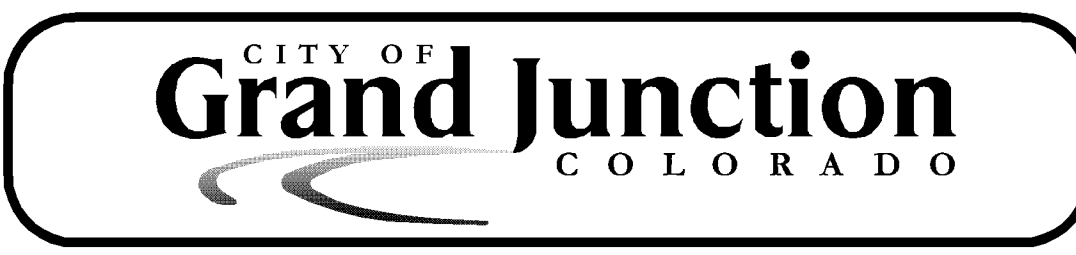
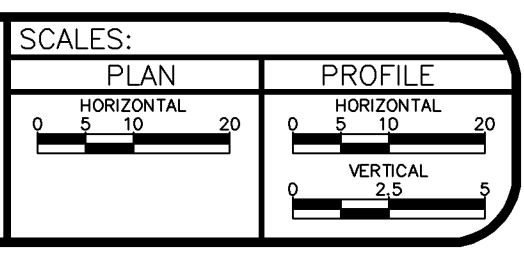


AS-BUILT

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
1	AS-BUILT DRAWINGS	MAY, 2006	TLT	2005
2			MRC	2005
3				
4				

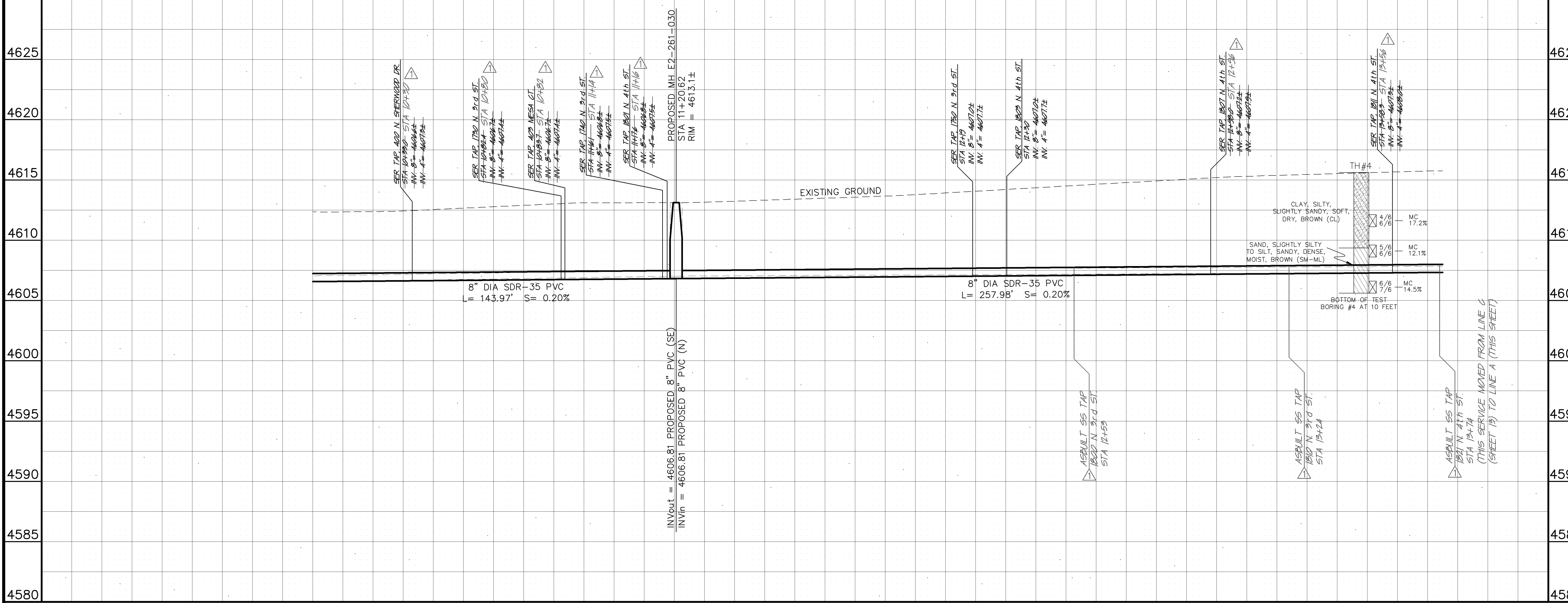
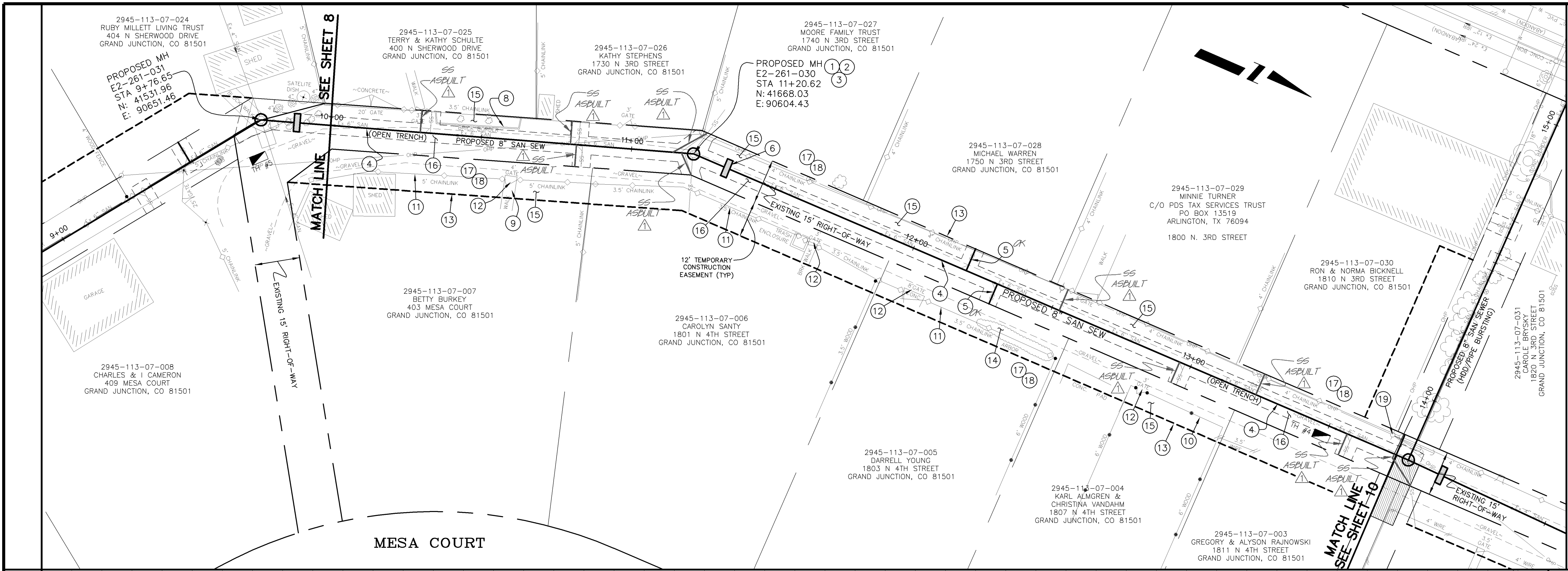


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE A - PLAN AND PROFILE STA 5+75 TO STA 10+00

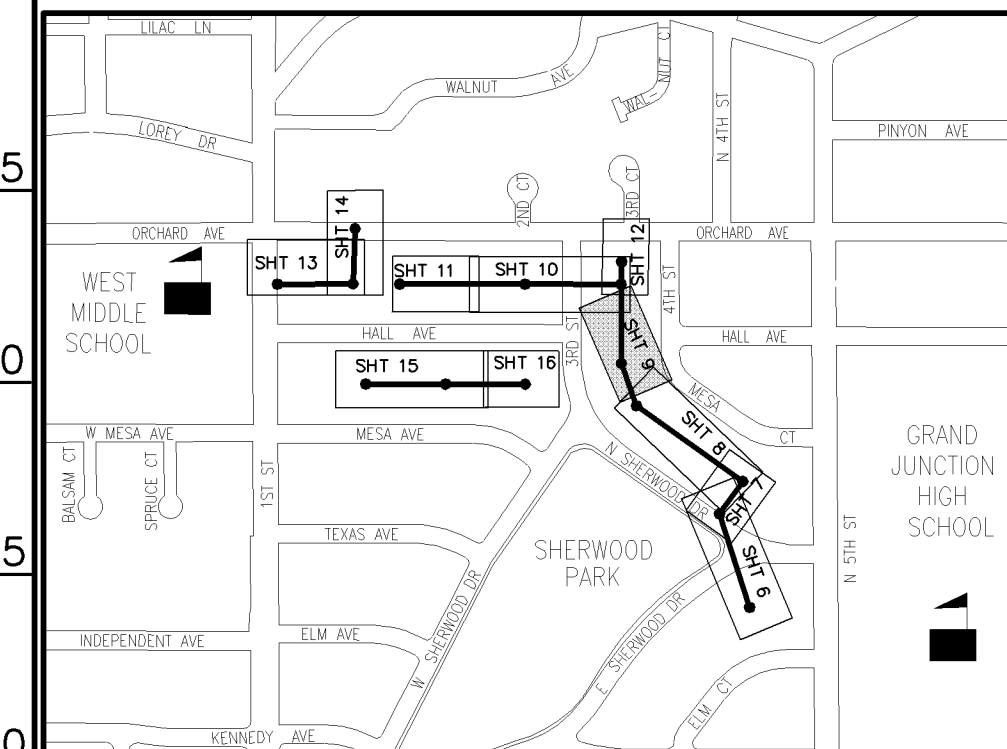
CONSTRUCTION NOTES

- 1 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 2 102.11 - 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 3 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 4 102.9A - 8" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 5 102/103/104 - INSTALL NEW 4" SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE. (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- 6 CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER SERVICE TO 1800 N. 3RD STREET BEFORE RECONNECTING TO NEW SEWER MAIN.
- 7 104 - INSTALL CLAY CUT-OFF WALL.
- 8 202 - REMOVE BRICK BORDER AS NEEDED TO FACILITATE SEWER INSTALLATION. STOCKPILE FOR RESIDENTS USE.
- 9 202/608 - REMOVE AND REPLACE CONCRETE WALK AS NEEDED TO FACILITATE SEWER INSTALLATION.
- 10 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 11 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 12 210.04 - RESET EXISTING GATE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 13 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 14 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 15 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)
- 16 304 - REGRADE GRAVEL ROAD WITH CLASS 6 ABC, 6" DEPTH, INSTALLED AND COMPACTED TO 90% AASHTO T-180.
- 17 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL. (TYP)
- 18 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.
- 19 UTILITY POLE AND GUY WIRES SHALL BE RESET OUTSIDE CONSTRUCTION LIMITS BY OTHERS.

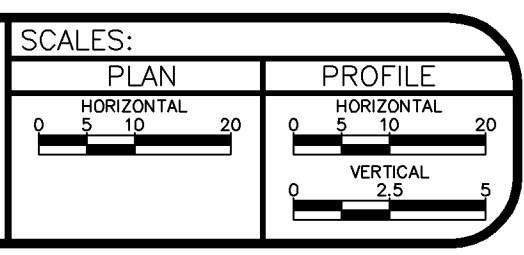


AS-BUILT

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
1	AS-BUILT DRAWINGS	MAY, 2006	TLT	2005
2			MRC	2005
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PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

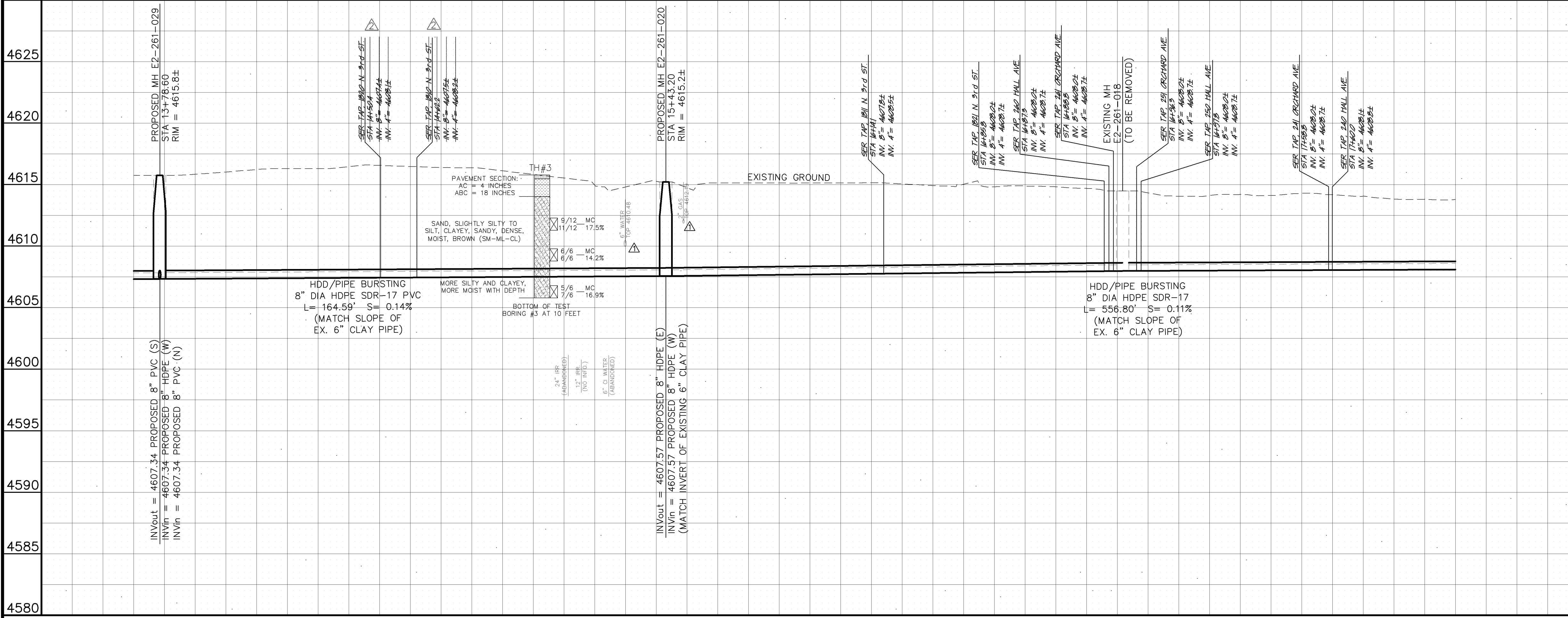
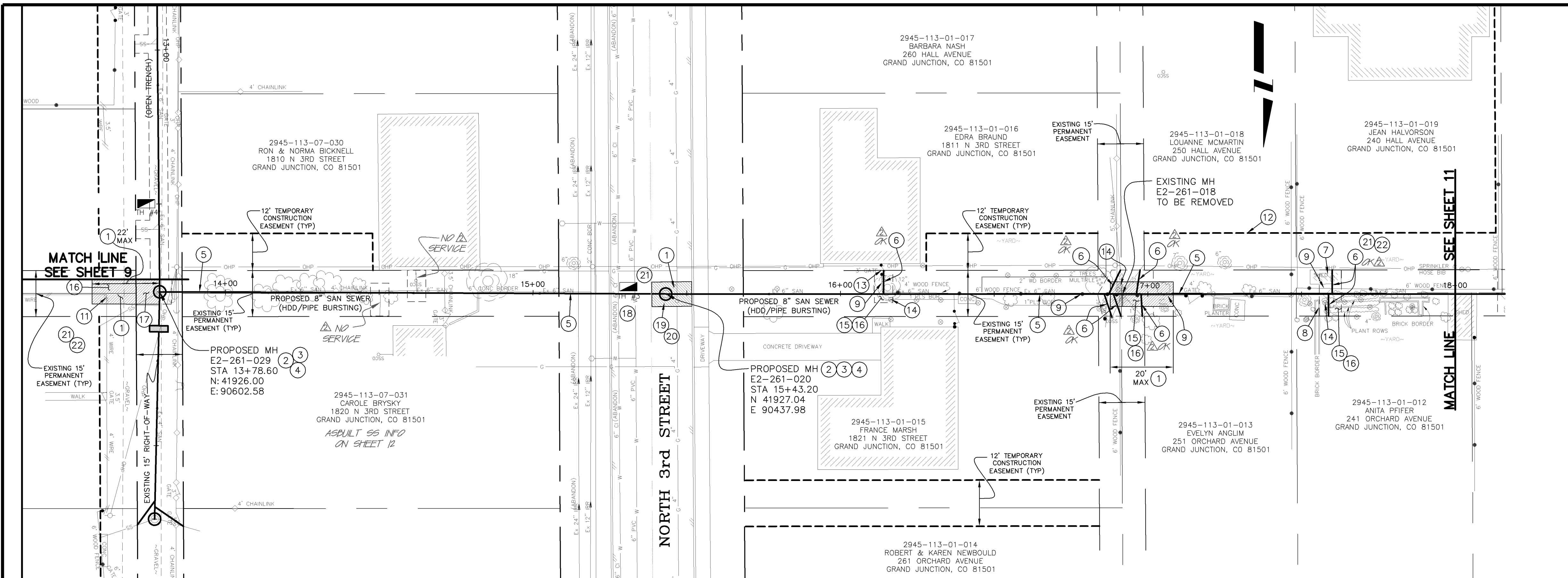
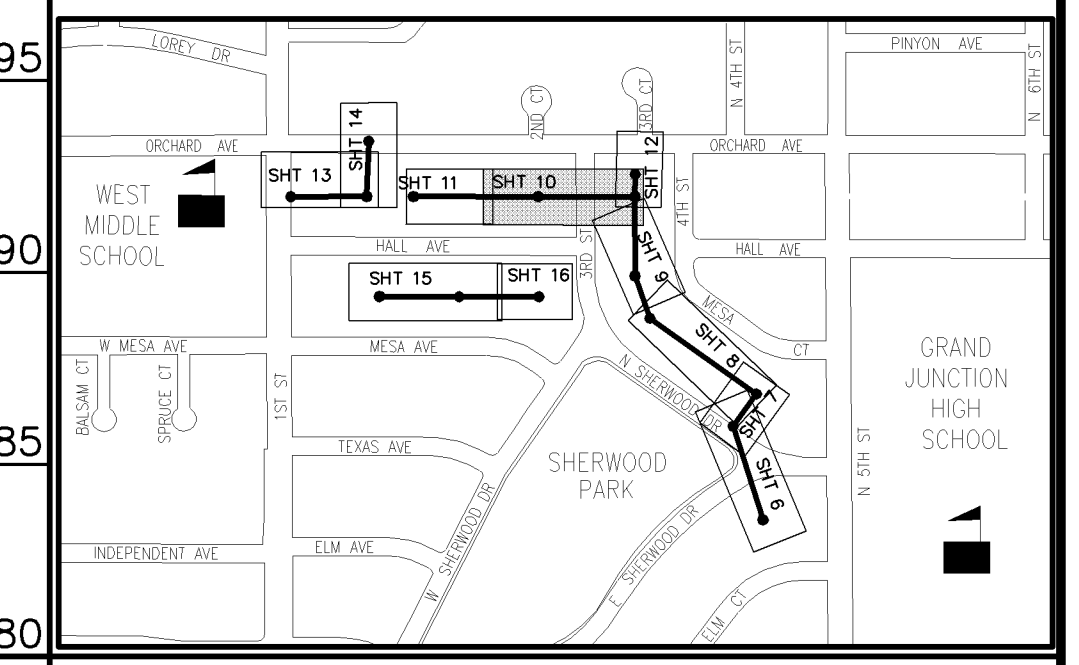
SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE A - PLAN AND PROFILE STA 10+00 TO STA 13+75

CONSTRUCTION NOTES

- 1 EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTOR AND HDPE PIPE. BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 2 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 3 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 4 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 5 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- 6 102.9 INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- 7 202 - EXISTING SHED TO BE REMOVED BY OTHERS.
- 8 202 - REMOVE EXISTING BRICK BORDER/PLANTER FROM WITHIN PERMANENT EASEMENT. STOCKPILE FOR RESIDENTS USE.
- 9 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 10 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 11 210.04 - RESET EXISTING WIRE FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 12 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 13 210.04 - RESET EXISTING GATE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 14 210.11B - RESET EXISTING SPRINKLER SYSTEMS AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 15 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 16 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)(TYP)
- 17 304 - REGRADE GRAVEL ROAD WITH CLASS 6 ABC, 6" DEPTH, INSTALLED AND COMPACTED TO 90% AASHTO T-180.
- 18 CONTRACTOR SHALL POTHOLE UTILITY AND SANITARY SEWER SERVICE CROSSINGS TO VERIFY DEPTHS AND LOCATIONS. PROTECT EXISTING UTILITY PIPES WITHIN 30 INCHES OF EXISTING SANITARY SEWER PER SPECIAL PROVISIONS.
- 19 103.3 - 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.
- 20 103.18 - PAVEMENT REPLACEMENT:
304.00 - CDOT CLASS-6 AGGREGATE BASE COURSE. SAME THICKNESS AS EXISTING (6" MIN.). COMPACTED TO 95% AASHTO T-180.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) MATCH EXISTING THICKNESS (3" MIN.). (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- 21 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- 22 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.

AS-BUILT

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
REVISION 1	ADDENDUM-1	10/26/05
REVISION 2	AS-BUILT DRAWINGS	MAY, 2006
REVISION 3		
REVISION 4		

DESCRIPTION	DATE	DRAWN BY	DATE
DESIGNED BY	2005	TLT	2005
CHECKED BY		MRC	
APPROVED BY			

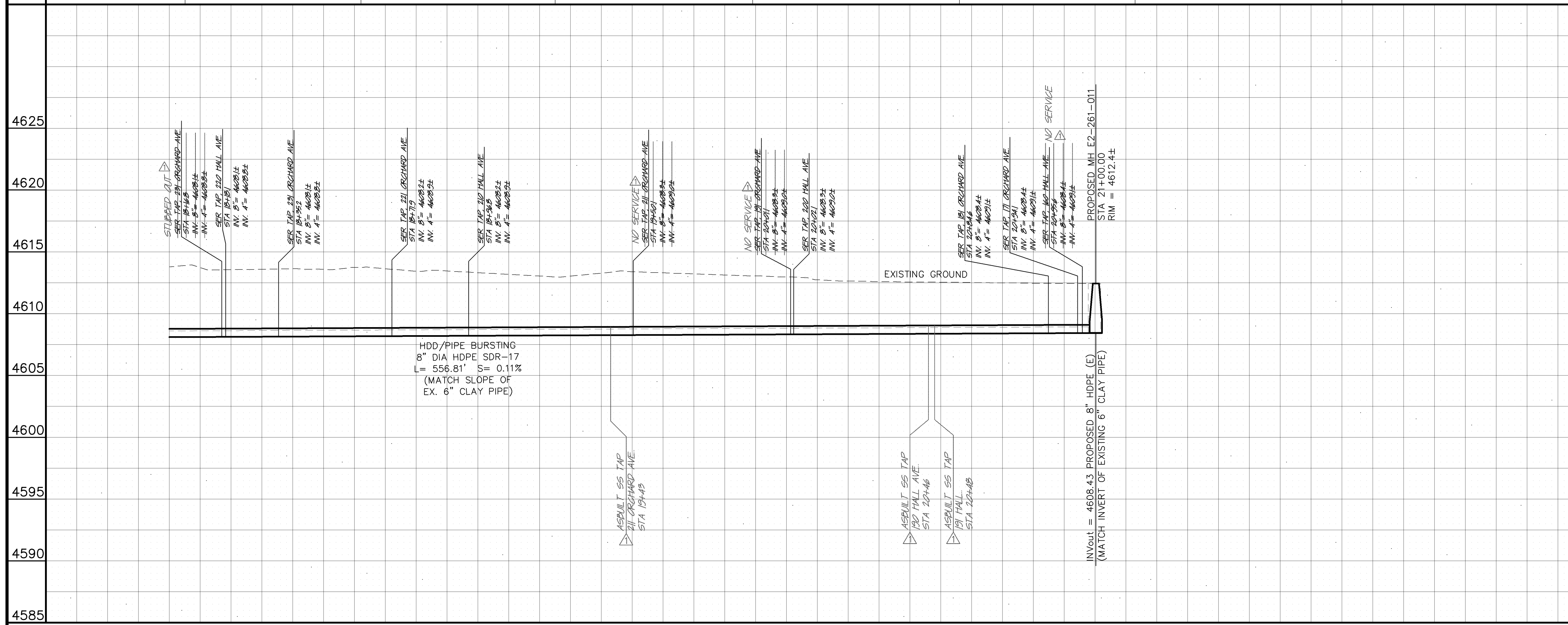
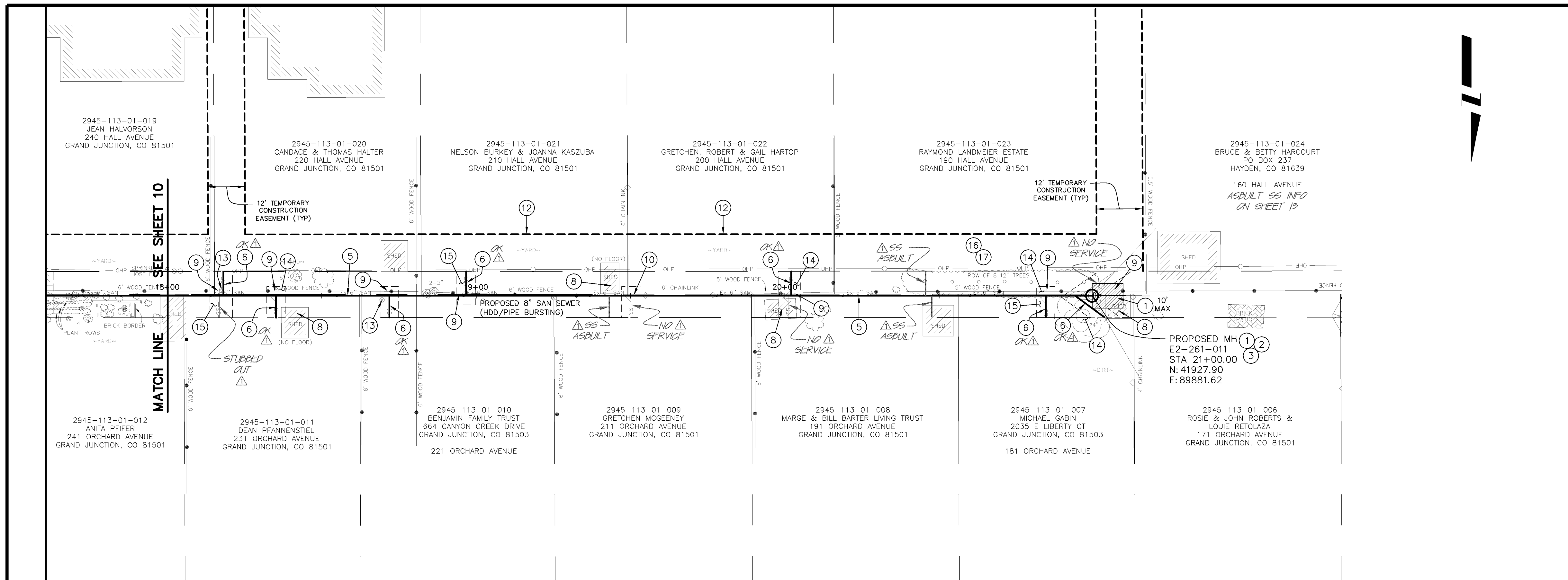
SCALES:
 PLAN: 1" = 10'
 PROFILE: HORIZONTAL 1" = 10', VERTICAL 1" = 2'

PUBLIC WORKS
 AND UTILITIES
 ENGINEERING DIVISION

SEWERLINE REPLACEMENT
 SHERWOOD PARK - SCHEDULE "B"
 LINE A - PLAN AND PROFILE
 STA 13+75 TO STA 18+00

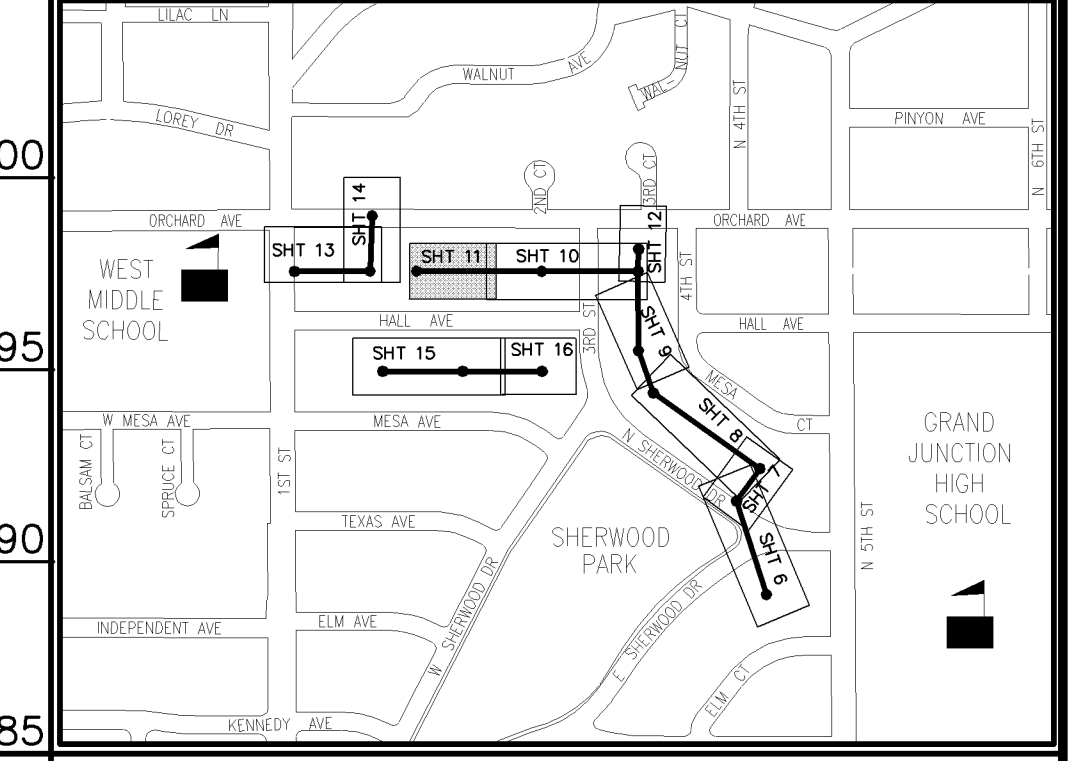
CONSTRUCTION NOTES

- 1 EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTOR AND HDPE PIPE. BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 2 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 3 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 4 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 5 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- 6 102.9 INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- 7 CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER SERVICE TO 190 HALL AVENUE BEFORE RECONNECTING TO NEW SEWER MAIN.
- 8 202 - EXISTING SHED TO BE REMOVED BY OTHERS.
- 9 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 10 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 11 210.04 - RESET EXISTING GATE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 12 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 13 210.11B - RESET EXISTING SPRINKLER SYSTEMS AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 14 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 15 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)(TYP)
- 16 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- 17 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.



AS-BUILT

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	SCALE
1	AS-BUILT DRAWINGS	MAY, 2026	TLT	2005	PLAN: 1" = 10'
2			MRC	2005	PROFILE: 1" = 5'
3					
4					

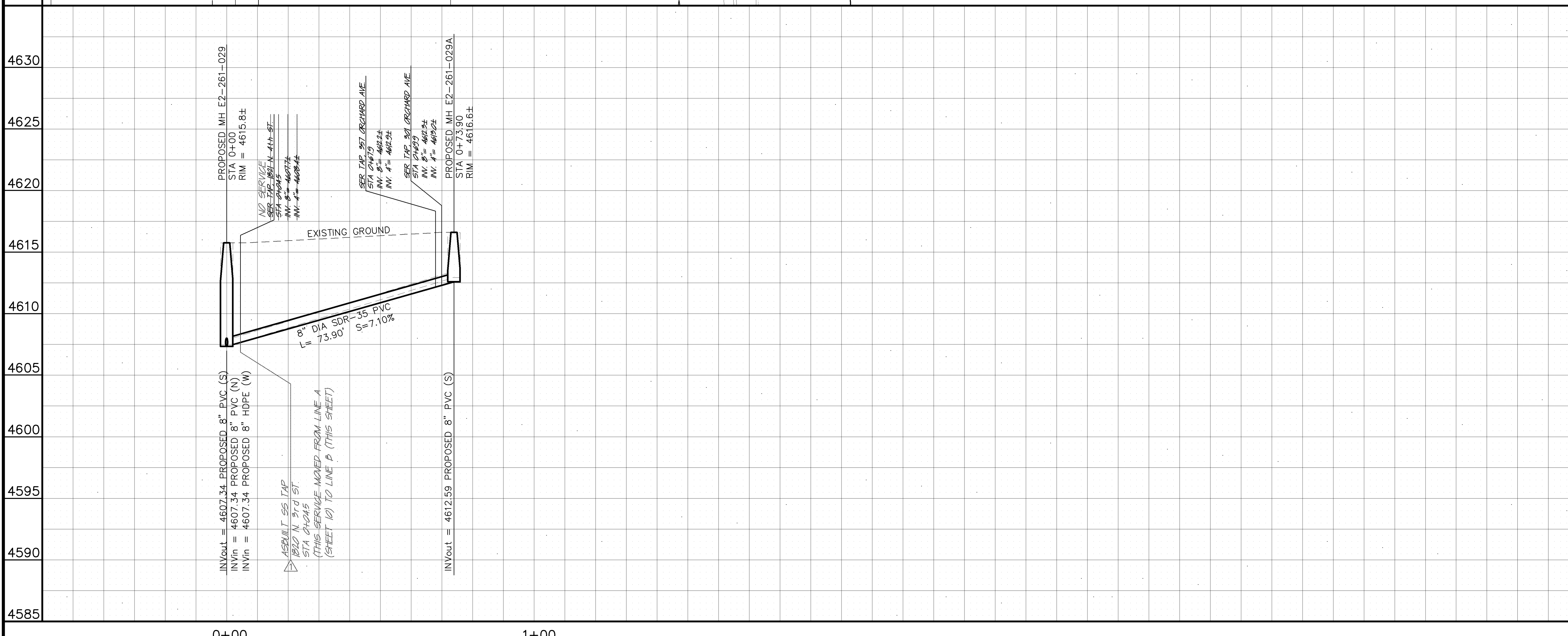
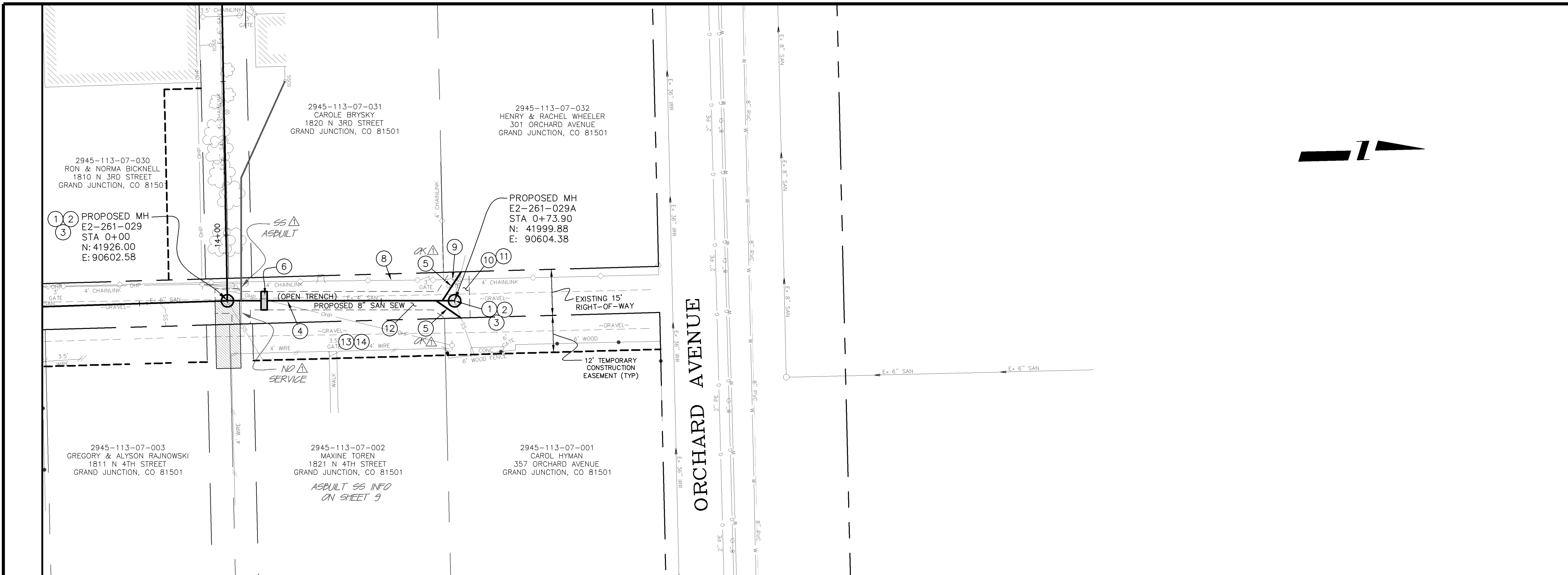


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE A - PLAN AND PROFILE STA 18+00 TO STA 21+00.00

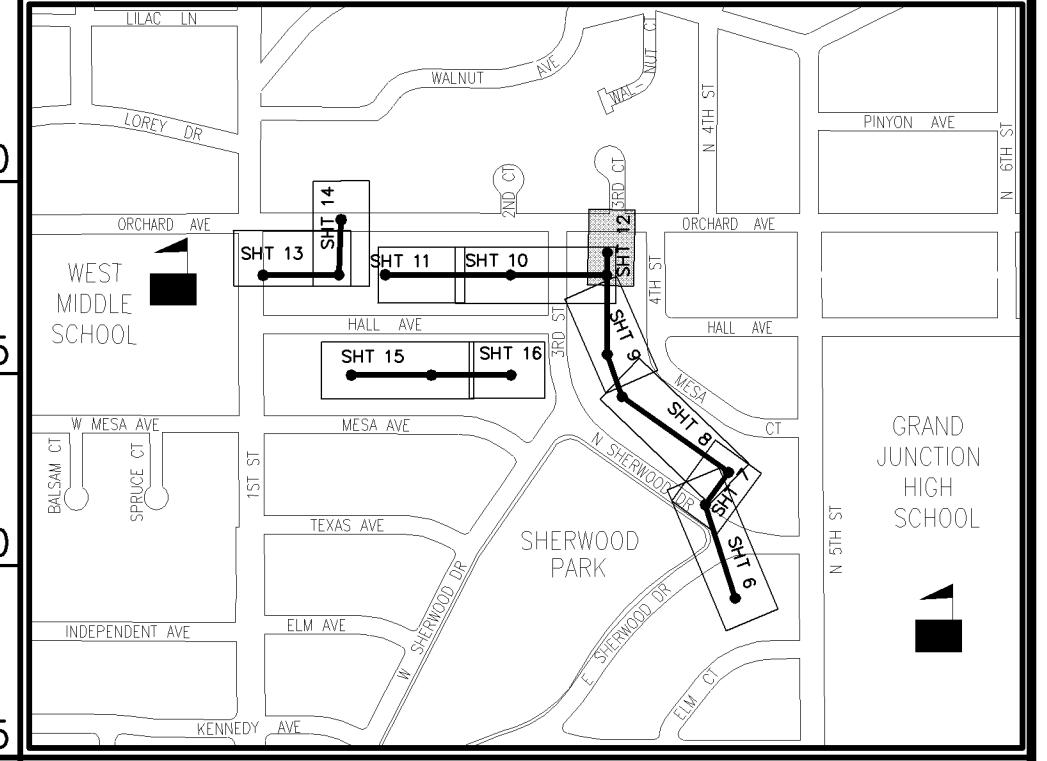
CONSTRUCTION NOTES

- ① 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- ② 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③ BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- ④ 102.9A - 8" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ⑤ 102/103/104 - INSTALL NEW 4" SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE. (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- ⑥ 104 - INSTALL CLAY CUT-OFF WALL.
- ⑦ 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑧ 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑨ 210.04 - RESET EXISTING GATE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑩ 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- ⑪ 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)(TYP)
- ⑫ 304 - REGRADE GRAVEL ROAD WITH CLASS 6 ABC, 6" DEPTH, INSTALLED AND COMPACTED TO 90% AASHTO T-180.
- ⑬ PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- ⑭ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.



AS-BUILT

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
1	AS-BUILT DRAWINGS	MAY, 2006	TLT	2005
2			MRC	2005
3				
4				

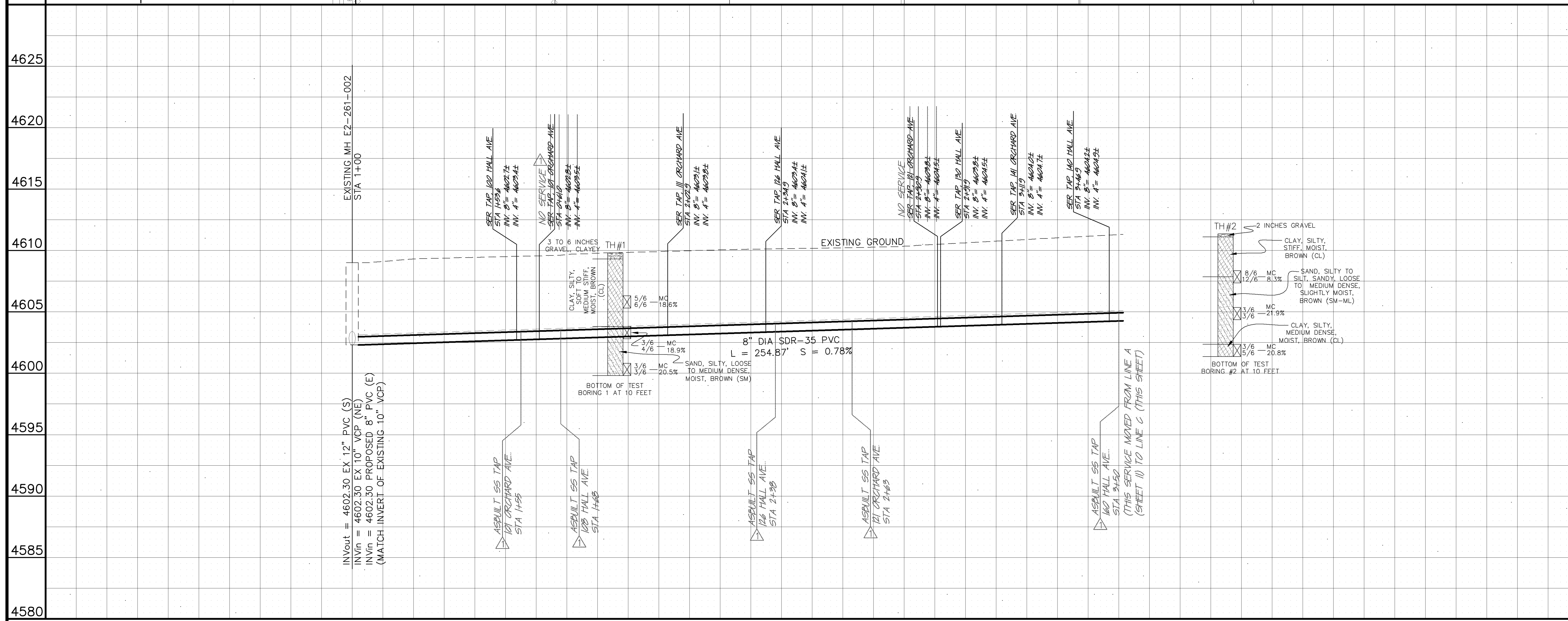
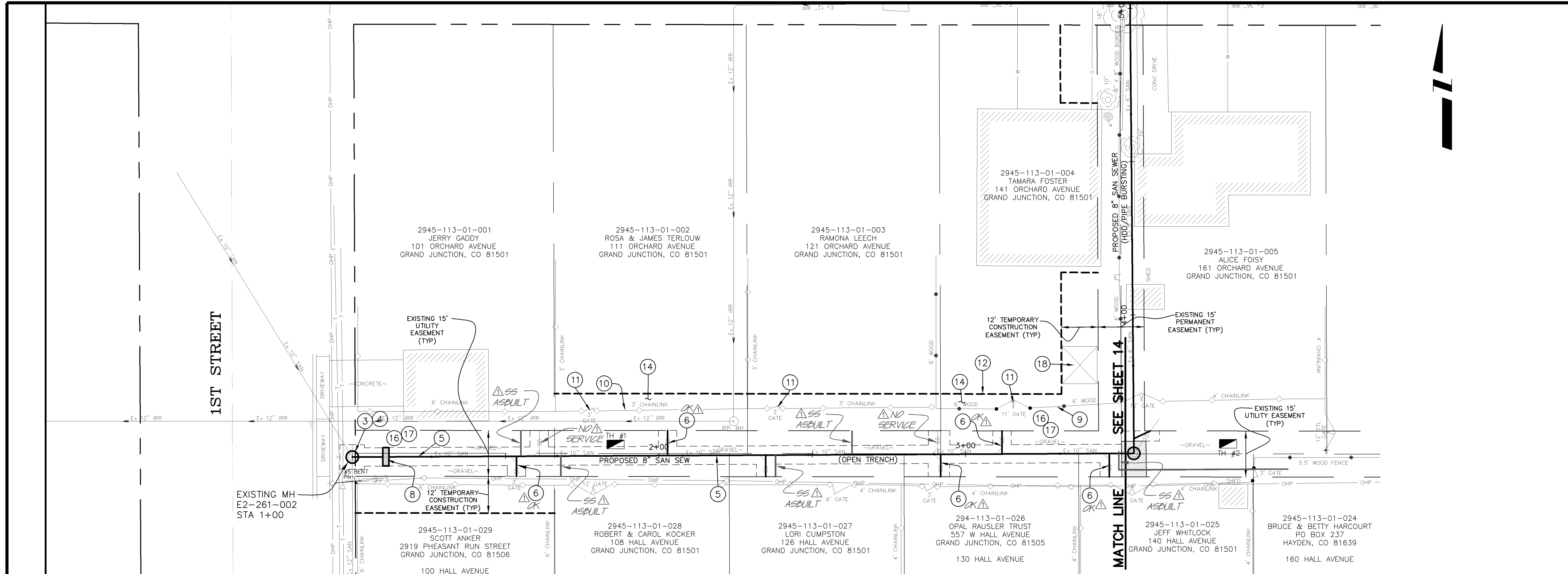
SCALES:
 PLAN: 1" = 20'
 PROFILE: HORIZONTAL 1" = 20', VERTICAL 1" = 2.5'

CITY OF Grand Junction COLORADO
 PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT
 SHERWOOD PARK - SCHEDULE "B"
 LINE B - PLAN AND PROFILE
 STA 0+00 TO STA 0+73.90

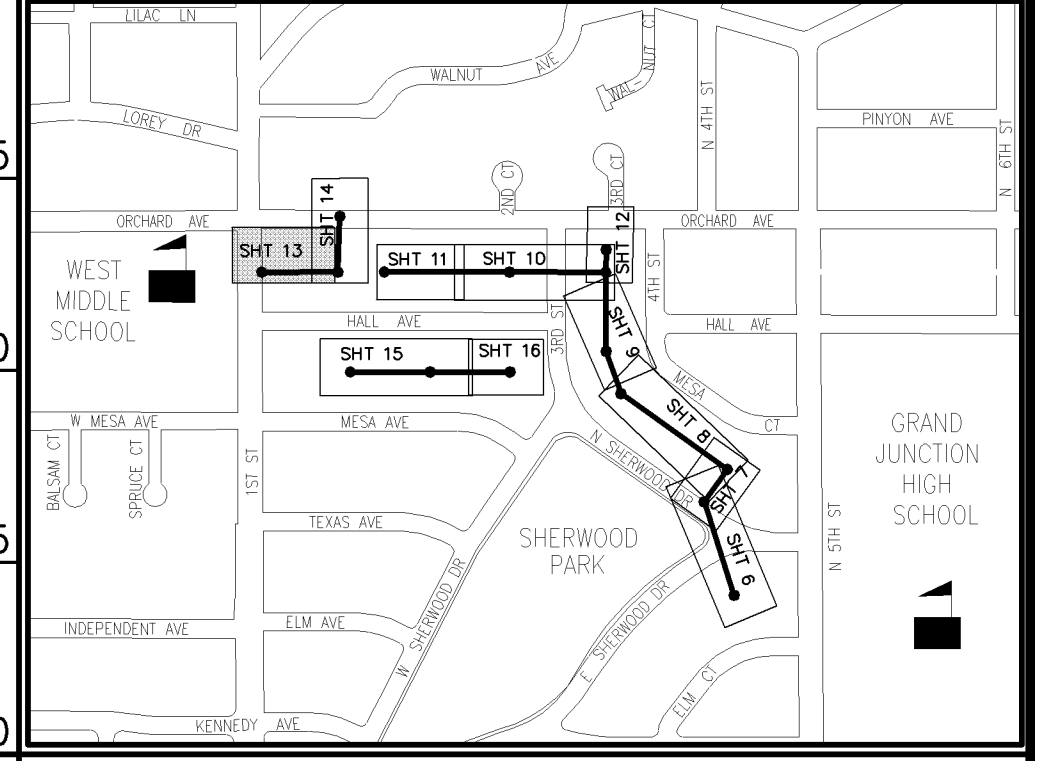
CONSTRUCTION NOTES

- 1 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 2 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 3 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 4 210.00 - CONNECT NEW 8" SDR-35 PVC PIPE TO EXISTING MH. MANHOLE BASE IS CAST-IN-PLACE. REMOVE EXISTING 10" CLAY PIPE AND PROVIDE ROUND OPENING FOR FLEXIBLE CONNECTOR PER STANDARD DETAIL SS-08.
- 5 102.9A - 8" GRAVITY SEWER PIPE (SDR-35 PVC). BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 6 102/103/104 - INSTALL NEW 4" SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE. (SEE CITY OF GRAND JUNCTION TYPICAL SERVICE "Y" CONNECTION).
- 7 CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER SERVICE TO 108 HALL AVENUE BEFORE RECONNECTING TO NEW SEWER MAIN.
- 8 104 - INSTALL CLAY CUT-OFF WALL.
- 9 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 10 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 11 210.04 - RESET EXISTING GATE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 12 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG POOP TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 13 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 14 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)(TYP)
- 15 304 - REGRADE GRAVEL ROAD WITH CLASS 6 ABC, 6" DEPTH, INSTALLED AND COMPACTED TO 90% AASHTO T-180.
- 16 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- 17 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.
- 18 210.11C - PROTECT TRAMPOLINE AND CONCRETE FOUNDATION OUTSIDE PERMANENT EASEMENT UPON COMPLETION.



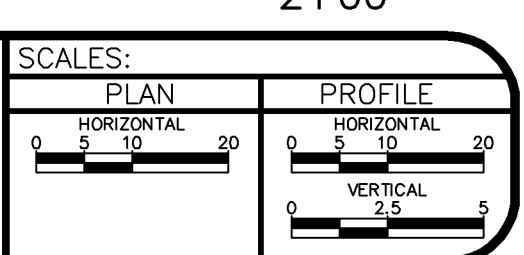
AS-BUILT

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
1	AS-BUILT DRAWINGS	MAY, 2026

DRAWN BY	TLT	DATE	2005
DESIGNED BY	MRC	DATE	2005
CHECKED BY		DATE	
APPROVED BY		DATE	

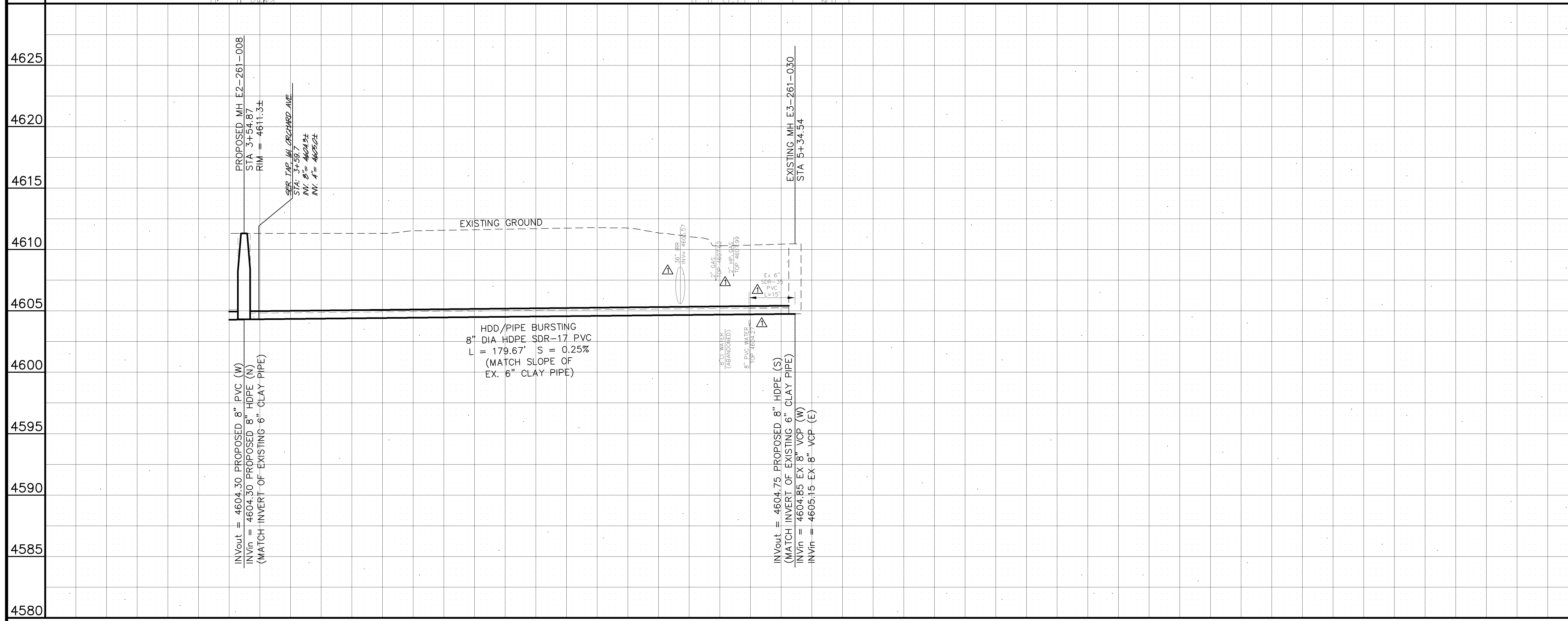
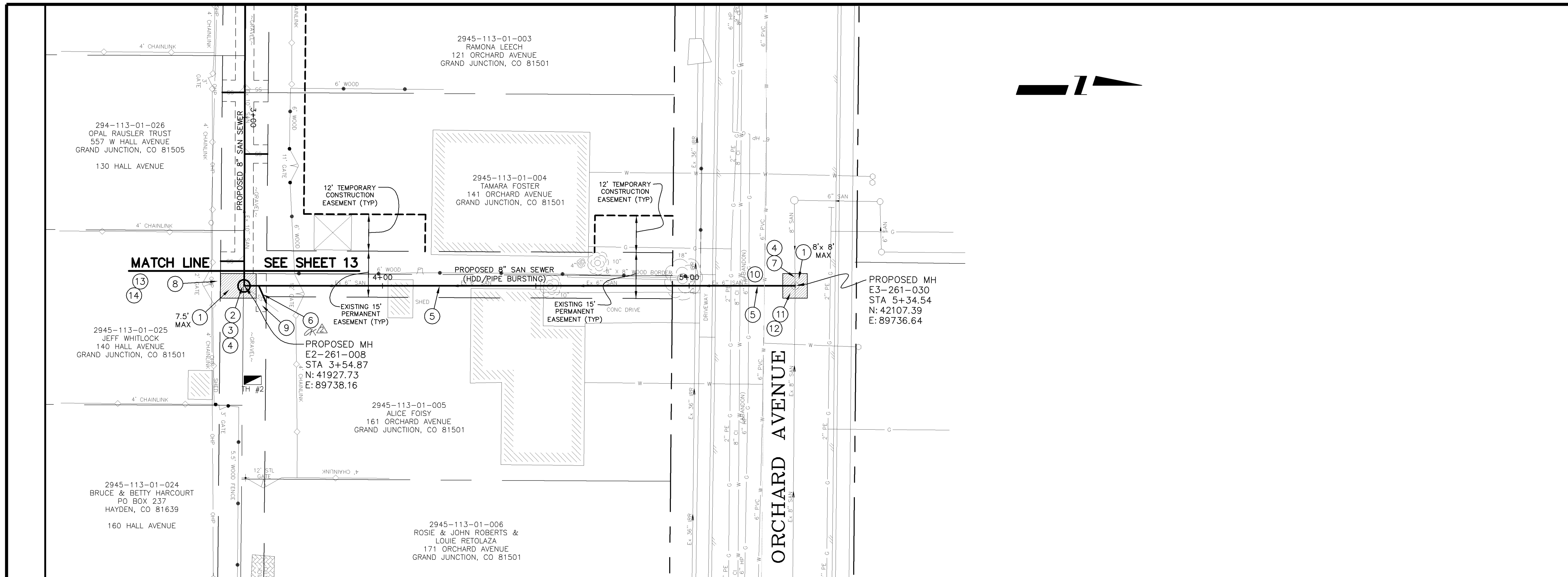


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE C - PLAN AND PROFILE STA 1+00 TO STA 3+50

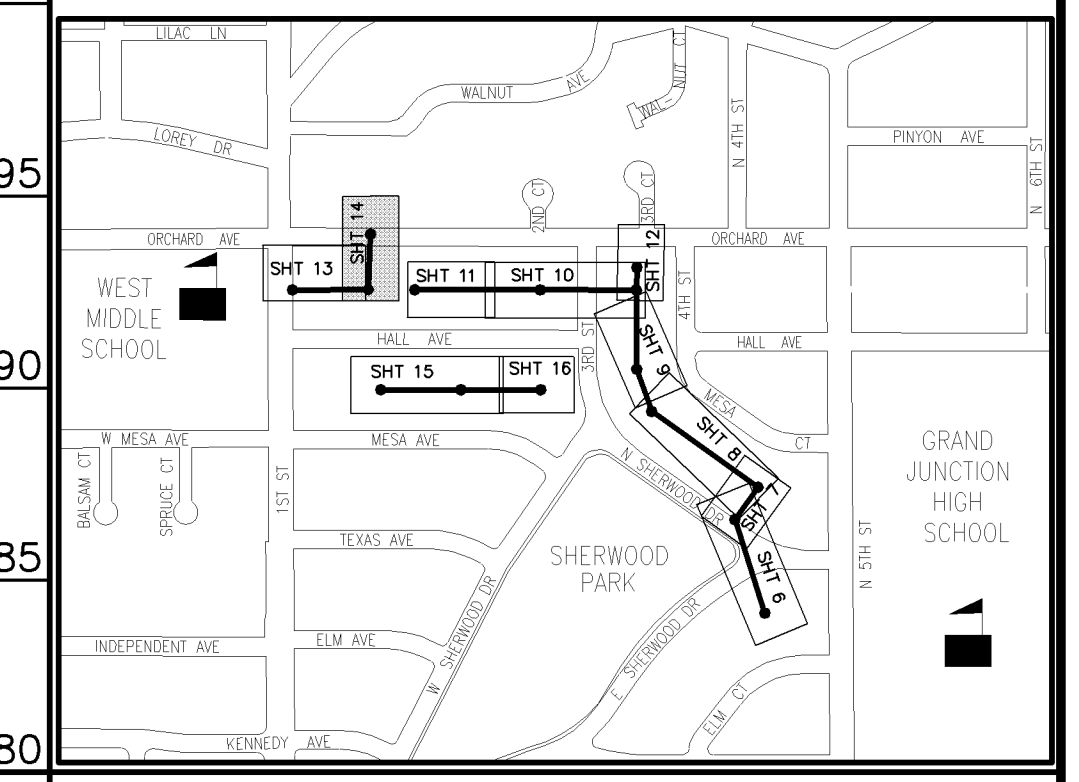
CONSTRUCTION NOTES

- ① EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTOR AND HDPE PIPE. BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ② 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- ③ 102.11 - INSTALL NEW 48" DIA. SANITARY SEWER MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ④ BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- ⑤ 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- ⑥ 102.9 - INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- ⑦ 210.00 - CONNECT NEW 8" SDR-17 HDPE PIPE TO EXISTING MH. PER STANDARD DETAIL SS-08.
- ⑧ 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)
- ⑨ 304 - REGRADE GRAVEL ROAD WITH CLASS 6 ABC, 6" DEPTH, INSTALLED AND COMPACTED TO 90% AASHTO T-180.
- ⑩ CONTRACTOR SHALL POTHOLE UTILITY AND SANITARY SEWER SERVICE CROSSINGS TO VERIFY DEPTHS AND LOCATIONS. PROTECT EXISTING UTILITY PIPES WITHIN 30 INCHES OF EXISTING SANITARY SEWER PER SPECIAL PROVISIONS.
- ⑪ 103.3 - 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.
- ⑫ 103.18 - PAVEMENT REPLACEMENT:
304.00 - CDOT CLASS-6 AGGREGATE BASE COURSE. SAME THICKNESS AS EXISTING (6" MIN.). COMPACTED TO 95% AASHTO T-180.
401.00 - HOT BITUMINOUS PAVEMENT (GRADING SX) MATCH EXISTING THICKNESS (3" MIN.). (SEE CITY OF GRAND JUNCTION STANDARD DETAIL GU-03).
- ⑬ PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- ⑭ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINE AND OUTSIDE OF EASEMENT LINES.



AS-BUILT

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE:
REVISION Δ	ADDENDUM-1	10/26/05	TLT	2005	PLAN 0 5 10 20
REVISION Δ	AS-BUILT DRAWINGS	MAY, 2006	MRC	2005	
REVISION Δ			CHECKED BY	DATE	PROFILE HORIZONTAL 0 5 10 20 VERTICAL 0 2.5 5
REVISION Δ			APPROVED BY	DATE	

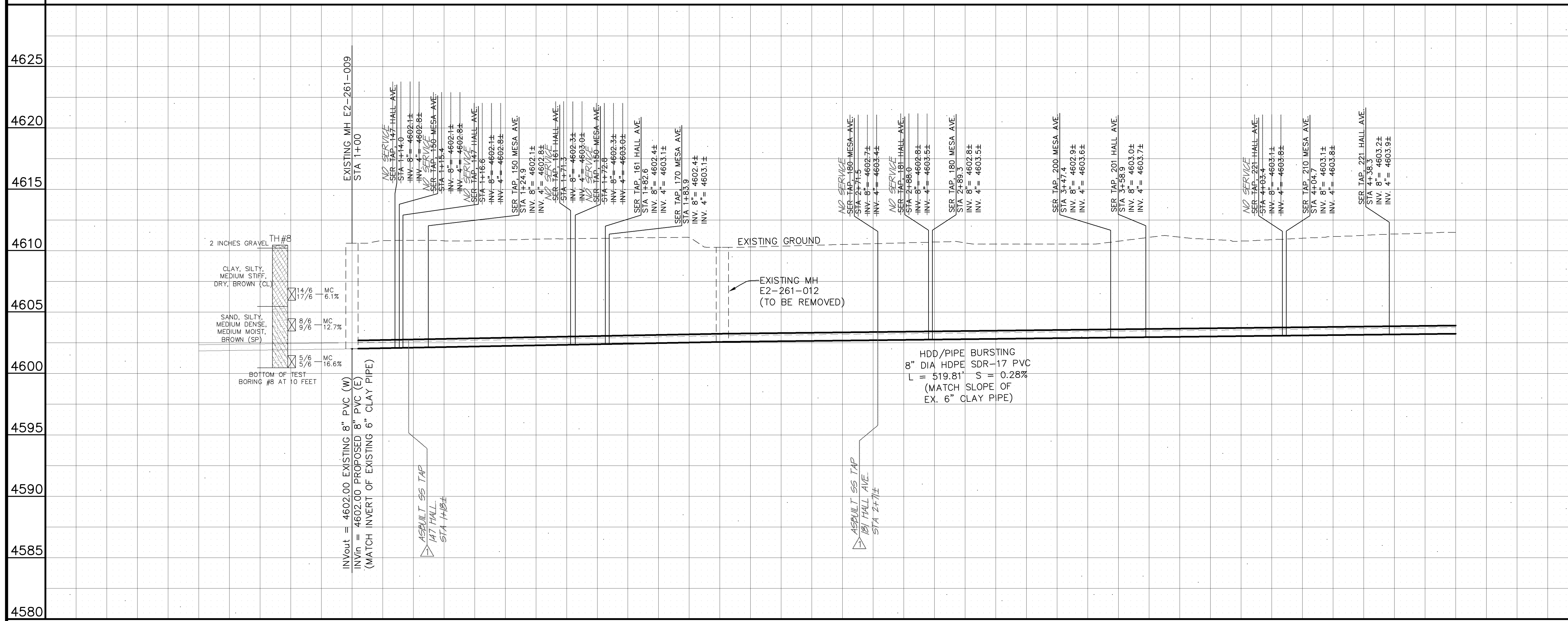
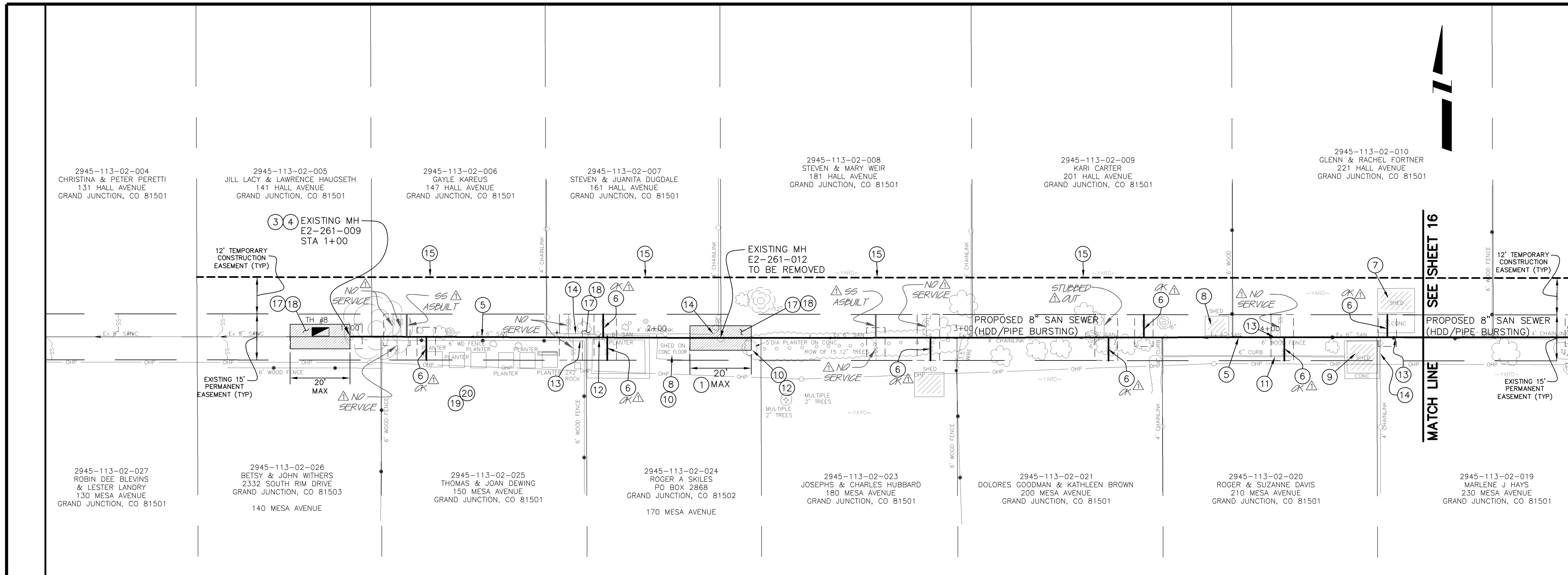


PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE C - PLAN AND PROFILE STA 3+50 TO STA 5+34.54

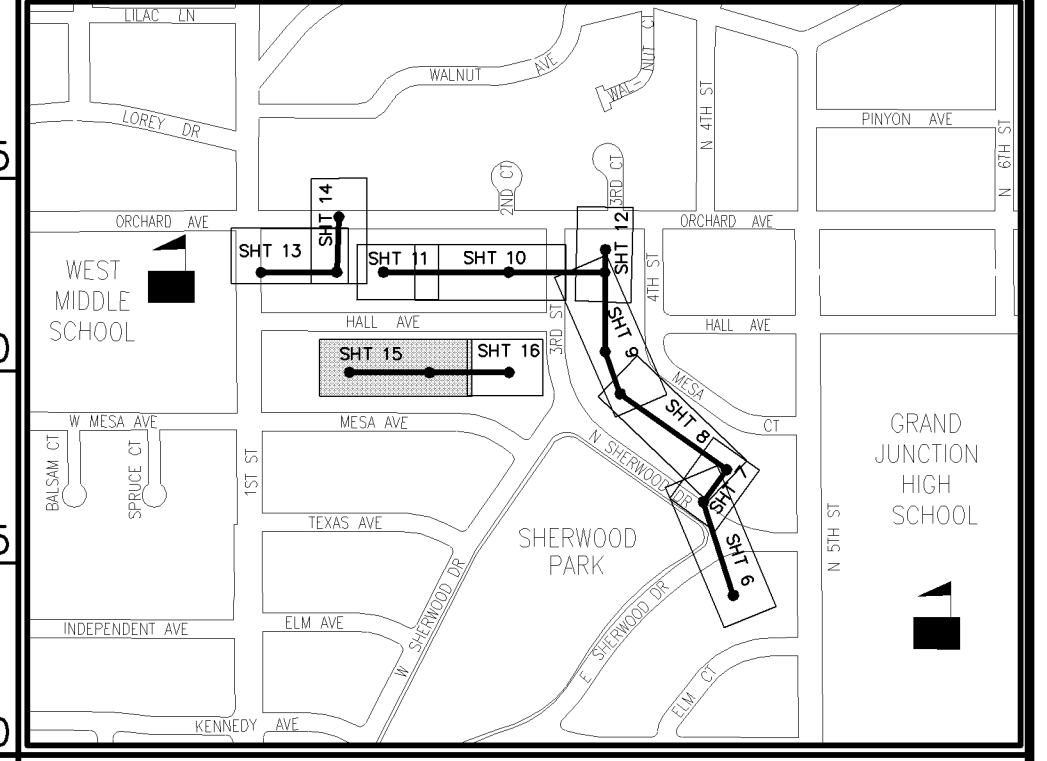
CONSTRUCTION NOTES

- 1 EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTOR AND HDPE PIPE. BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 2 202 - REMOVE EXISTING SANITARY SEWER MANHOLE.
- 3 210.00 - CONNECT NEW 8" SDR-17 HDPE PIPE TO EXISTING MH. MANHOLE PER STANDARD DETAIL SS-08.
- 4 BYPASS PUMP AS NEEDED TO INSTALL NEW SANITARY SEWER LINE. (TYP)
- 5 102.9B - INSTALL NEW 8" HIGH DENSITY POLYETHYLENE (HDPE) SDR-17 SEWER PIPE FOR PIPE BURSTING.
- 6 102.9 INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- 7 210.11D - RESET EXISTING SHED AS NEEDED TO FACILITATE SEWER INSTALLATION.
- 8 202 - EXISTING SHED TO BE REMOVED BY OTHERS.
- 9 202 - REMOVE EXISTING CONCRETE FOUNDATION. EXISTING SHED TO BE REMOVED BY OTHERS.
- 10 202 - REMOVE EXISTING CONCRETE PAD AS NEEDED TO FACILITATE SEWER INSTALLATION.
- 11 202 - REMOVE EXISTING CONCRETE CURB AS NEEDED TO FACILITATE SEWER INSTALLATION.
- 12 202 - REMOVE EXISTING PLANTERS AS NEEDED. STOCKPILE FOR RESIDENTS USE.
- 13 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 14 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 15 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
- 16 210.11B - RESET EXISTING SPRINKLER SYSTEMS AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- 17 201 - CLEAR AND GRUB AS NEEDED TO FACILITATE SEWER INSTALLATION UNLESS OTHERWISE INDICATED. (TYP)
- 18 201/212 - REMOVE AND REPLACE SOD (TOPSOIL 6" THICK (TYP)) AND/OR LANDSCAPE GRAVEL. (MATCH EXISTING)
- 19 PROTECT EXISTING FEATURES IN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS REMOVAL IS REQUIRED FOR SEWER LINE INSTALLATION. CONTRACTOR MUST OBTAIN APPROVAL OF PROJECT ENGINEER PRIOR TO REMOVAL.
- 20 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES AND OUTSIDE OF EASEMENT LINES.



AS-BUILT

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	SCALES:
1	AS-BUILT DRAWINGS	MAY, 2026	TLT	2005	PLAN: HORIZONTAL 1" = 20'
2			MRC	2005	PROFILE: HORIZONTAL 1" = 20'
3					VERTICAL 1" = 5'
4					



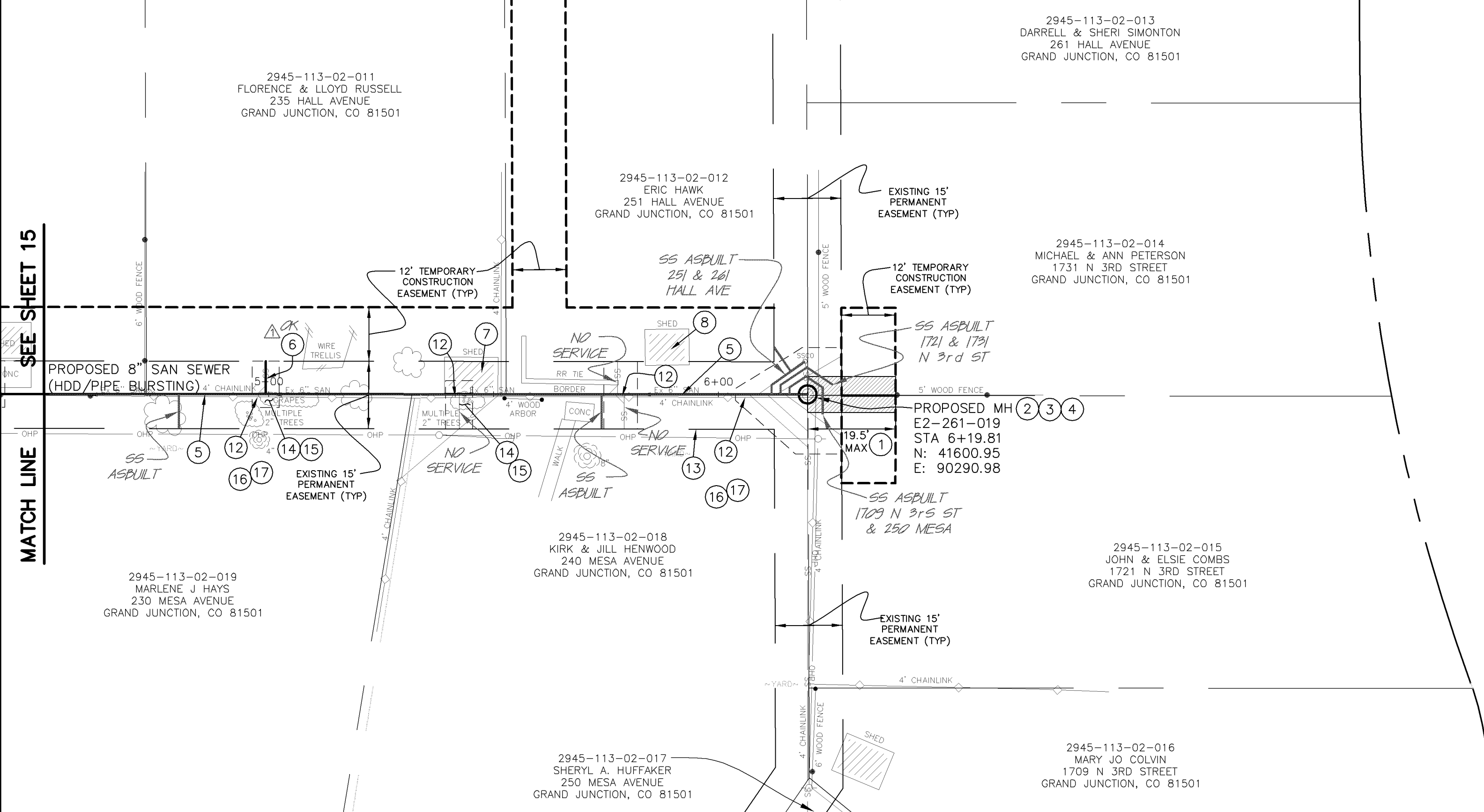
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE D - PLAN AND PROFILE STA 1+00 TO STA 4+50

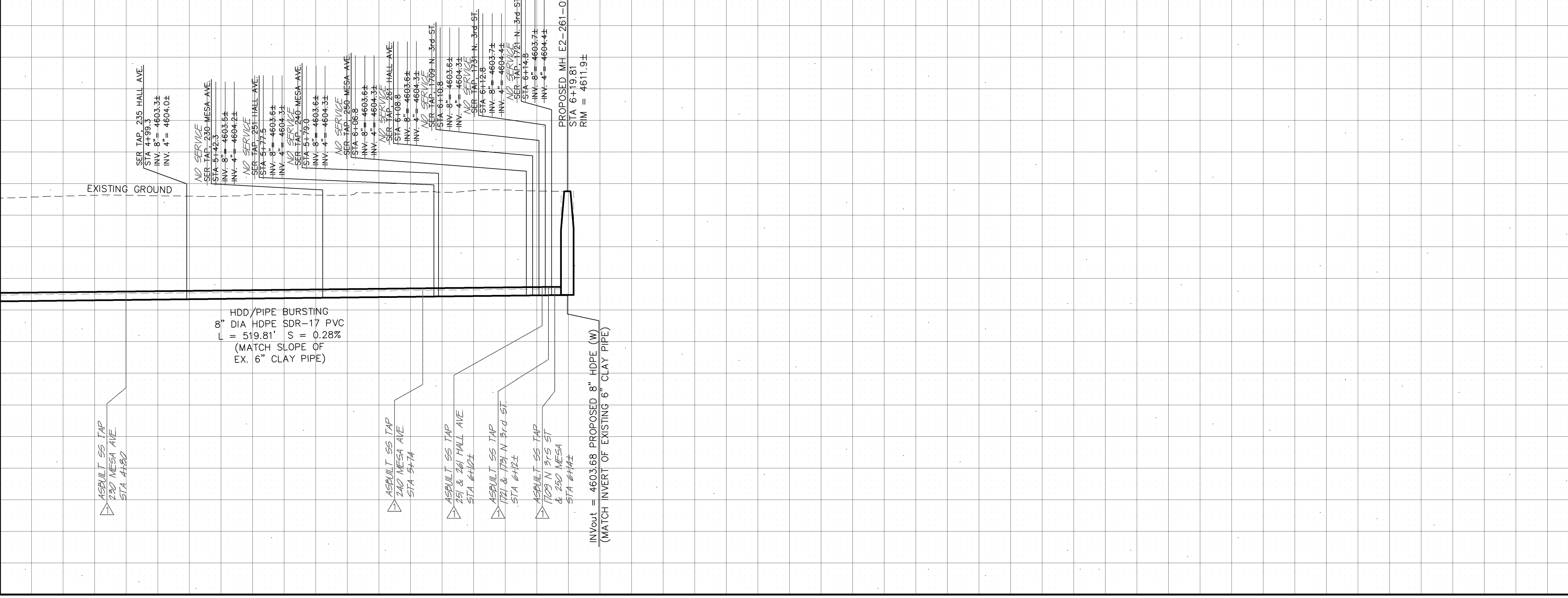
CONSTRUCTION NOTES

- ① EXCAVATE LAUNCHING/RECEIVING PIT FOR HDD, IMPACTOR DEVICE, HDPE ADAPTOR AND HDPE PIPE. BACKFILL TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
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- ⑥ 102.9 - INSTALL NEW 4" (INSERT-A-TEE) SEWER SERVICE TAP AND 4" GRAVITY SEWER PIPE (SDR-35 PVC) TO EASEMENT LINE AND CONNECT TO EXISTING SERVICE.
- ⑦ 202 - EXISTING SHED TO BE REMOVED BY OTHERS.
- ⑧ 210.11D - REMOVE AND RESET EXISTING SHED OUTSIDE OF PERMANENT EASEMENT.
- ⑨ 202 - REMOVE EXISTING CONCRETE PAD.
- ⑩ 202 - REMOVE EXISTING RR TIE BORDER FROM WITHIN PERMANENT EASEMENT. STOCKPILE FOR RESIDENTS USE.
- ⑪ 202/607 - REMOVE AND REPLACE EXISTING WOOD FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑫ 210.04 - RESET EXISTING CHAINLINK FENCE AS NEEDED TO FACILITATE SEWER INSTALLATION. (TYP)
- ⑬ 607 - CONTRACTOR SHALL INSTALL AND MAINTAIN 6' HIGH DOG PROOF TEMPORARY FENCE UNTIL PERMANENT FENCE HAS BEEN REPLACED. THEN CONTRACTOR SHALL REMOVE TEMPORARY FENCE.
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- ⑰ CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND RIGHT-OF-WAY LINES AND OUTSIDE OF EASEMENT LINES.

MATCH LINE SEE SHEET 15



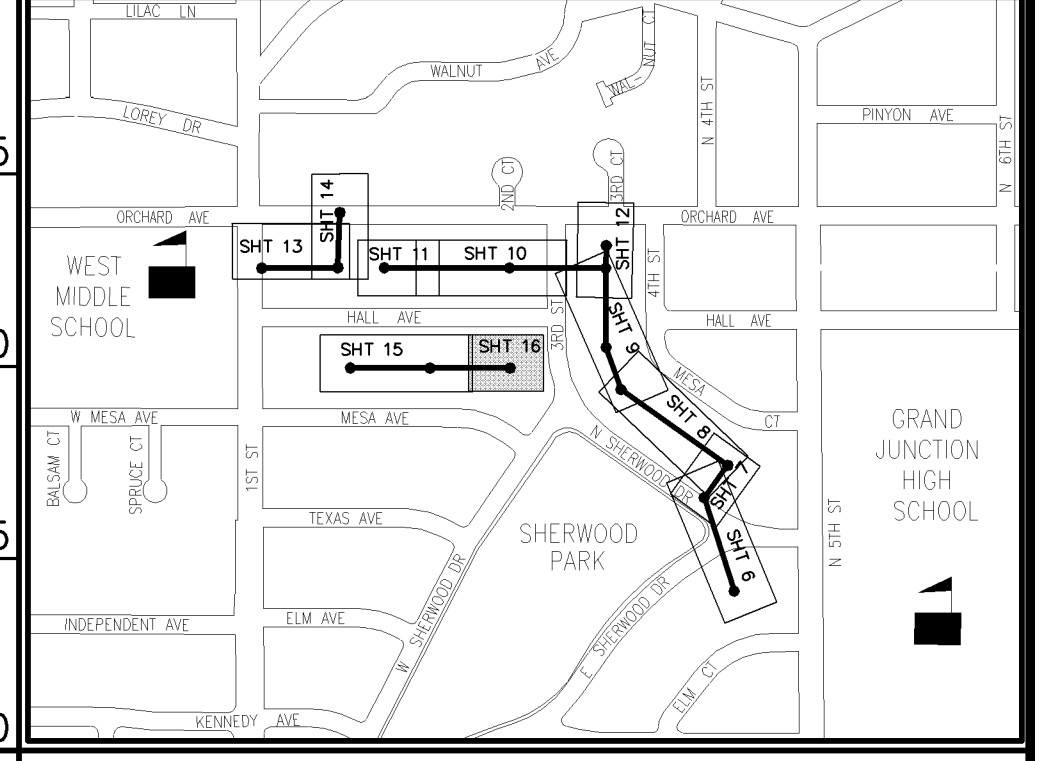
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4600
4595
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4625
4620
4615
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4605
4600
4595
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AS-BUILT

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INDEX MAP

REVISION	DESCRIPTION	DATE
REVISION A	AS-BUILT DRAWINGS	MAY, 2006
REVISION B		
REVISION C		
REVISION D		

DRAWN BY	TLT	DATE	JAN. 2005
DESIGNED BY	MC	DATE	JAN. 2005
CHECKED BY		DATE	
APPROVED BY		DATE	

SCALES:	
PLAN	1" = 20'
PROFILE	1" = 2'



PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

SEWERLINE REPLACEMENT SHERWOOD PARK - SCHEDULE "B" LINE D - PLAN AND PROFILE STA 4+50 TO STA 6+19.81