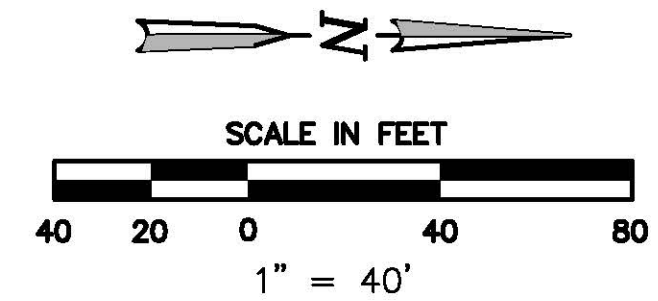
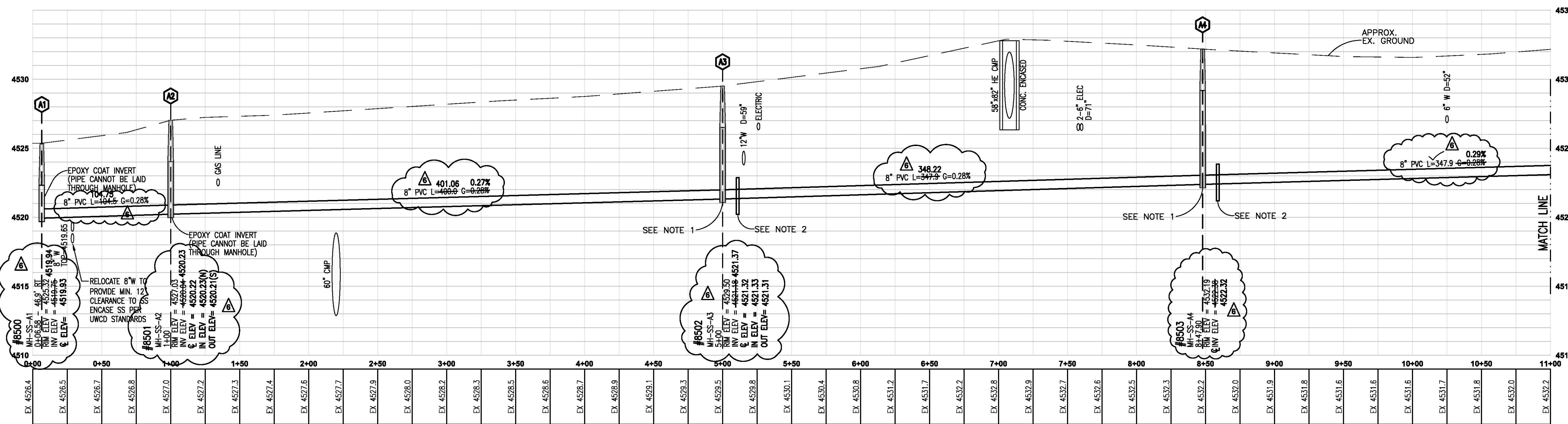


PLAN
HORIZONTAL SCALE: 1" = 40'



NOTES:

- 1.) LAY PIPE THROUGH MANHOLE AND REMOVE PIPE FROM SPRING LINE UP. TYPICAL FOR ALL STRAIGHT THROUGH MANHOLES (6) PLACE FLEXIBLE JOINT WITHIN 2' OF MH EACH SIDE.
- 2.) INSTALL CLAY CUTOFF WALLS PER CITY STANDARDS (NOTE J)
- 2.) UTILITIES POTHOLED INDICATED BY D=___ IN PROFILE



PROFILE
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

⊗ CONTRACTOR TO TEST PIT ALL CROSSINGS OF EXISTING UTILITIES WHERE IT IS DEPICTED ON THESE PLANS PRIOR TO BIDDING AND CONSTRUCTION. ANY DISCREPANCIES FOUND ARE TO BE REPORTED TO VORTEX ENGINEERING, INC. IN WRITING IMMEDIATELY.

PROJECT BENCHMARK
#5 REBAR W/2" ALUMINUM CAP
STAMPED D H SURVEYS LS 24306
LOCATED AT EAST END OF BOND STREET
ELEV. 4537.17

"SANITARY SEWER AS-BUILTS"
(BASED ON INFORMATION FURNISHED
BY DH SURVEY DATED 11-28-07)

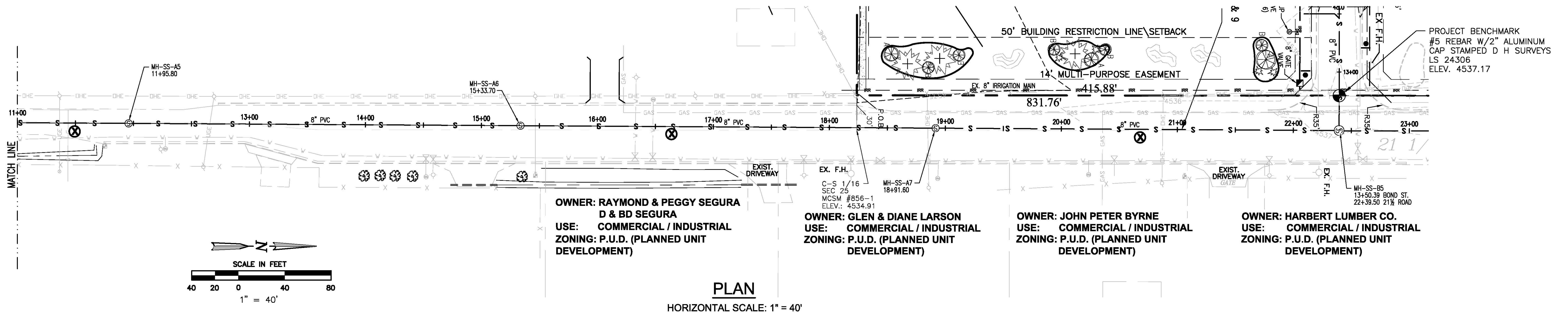
MH STRUCTURE SCHEDULE					
Structure Number	Northing	Eastng	Structure Type	Rim Elevation	Invert Elevation
A1	7782.47	9996.32	48" SEWER MANHOLE	4525.32	4519.75
A2	7875.98	9946.60	48" SEWER MANHOLE	4527.03	4520.04
A3	8275.97	9951.06	48" SEWER MANHOLE	4529.50	4521.32
A4	8623.87	9953.11	48" SEWER MANHOLE	4532.19	4522.32
A5	8971.76	9955.17	48" SEWER MANHOLE	4532.93	4523.35
A6	9319.66	9957.22	48" SEWER MANHOLE	4534.31	4524.30
A7	9667.55	9959.27	48" SEWER MANHOLE	4535.16	4525.30
A8	10415.44	9961.93	48" SEWER MANHOLE	4539.10	4527.41
B5	10015.44	9961.32	48" SEWER MANHOLE	4536.50	4526.30

NOTE:
LOCATION OF UTILITIES SHOWN HEREON WAS PROVIDED BY OTHERS. CONTRACTOR MUST VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

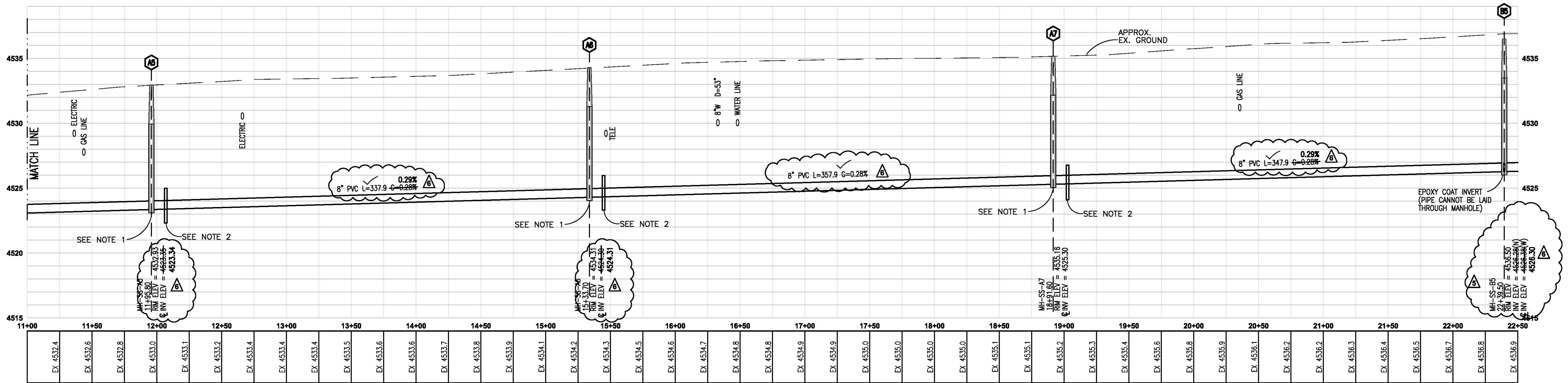


CALL
1-800-922-1987
UTILITY NOTIFICATION
CENTER OF COLORADO

ACCEPTED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE	
ACCEPTANCE OF THESE PLANS DOES NOT RELIEVE THE DEVELOPER, CONTRACTOR, OR THE ENGINEER FROM CONFORMANCE WITH THE CITY OF GRAND JUNCTION STANDARD SPECIFICATIONS.	
CITY OF GRAND JUNCTION DEVELOPMENT ENGINEERING	DATE:
ACCEPTED AS CONSTRUCTED	
CITY OF GRAND JUNCTION DEVELOPMENT ENGINEERING	DATE:



- NOTES:**
- LAY PIPE THROUGH MANHOLE AND REMOVE PIPE FROM SPRING LINE UP. TYPICAL FOR ALL STRAIGHT THROUGH MANHOLES (6) PLACE FLEXIBLE JOINT WITHIN 2' OF MH EACH SIDE.
 - INSTALL CLAY CUTOFF WALLS PER CITY STANDARDS (NOTE J)



⊗ CONTRACTOR TO TEST PIT ALL CROSSINGS OF EXISTING UTILITIES WHERE IT IS DEPICTED ON THESE PLANS PRIOR TO BIDDING AND CONSTRUCTION. ANY DISCREPANCIES FOUND ARE TO BE REPORTED TO VORTEX ENGINEERING, INC. IN WRITING IMMEDIATELY.

PROFILE
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

"SANITARY SEWER AS-BUILTS"
(BASED ON INFORMATION FURNISHED BY DH SURVEY DATED 11-28-07)

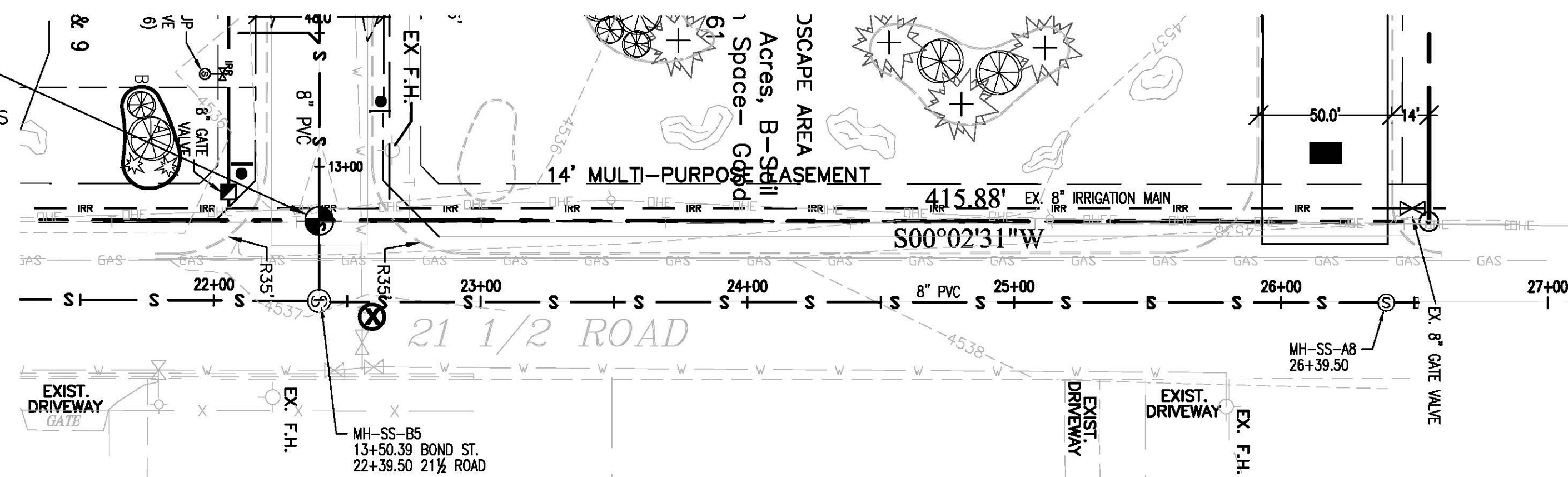
MH STRUCTURE SCHEDULE					
Structure Number	Northing	Eastng	Structure Type	Rim Elevation	Invert Elevation
A1	7782.47	9996.32	48" SEWER MANHOLE	4525.32	4519.75
A2	7875.98	9946.60	48" SEWER MANHOLE	4527.03	4520.04
A3	8275.97	9951.06	48" SEWER MANHOLE	4529.50	4521.18
A4	8623.87	9953.11	48" SEWER MANHOLE	4532.19	4522.16
A5	8971.76	9955.17	48" SEWER MANHOLE	4532.93	4523.34
A6	9319.66	9957.22	48" SEWER MANHOLE	4534.31	4524.30
A7	9667.55	9959.27	48" SEWER MANHOLE	4535.16	4525.30
AB	10415.44	9961.93	48" SEWER MANHOLE	4539.10	4527.40
B5	10015.44	9961.32	48" SEWER MANHOLE	4536.50	4526.28

NOTE:
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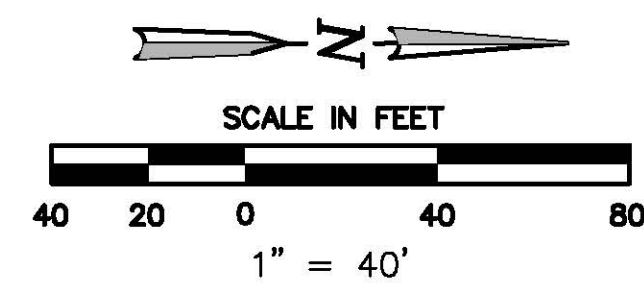
ACCEPTED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE	
ACCEPTANCE OF THESE PLANS DOES NOT RELIEVE THE DEVELOPER, CONTRACTOR, OR THE ENGINEER FROM CONFORMANCE WITH THE CITY OF GRAND JUNCTION STANDARD SPECIFICATIONS.	
CITY OF GRAND JUNCTION DEVELOPMENT ENGINEERING	DATE:
ACCEPTED AS CONSTRUCTED	
CITY OF GRAND JUNCTION DEVELOPMENT ENGINEERING	DATE:

PROJECT BENCHMARK
#5 REBAR W/2" ALUMINUM
CAP STAMPED D H SURVEYS
LS 24306
ELEV. 4537.17



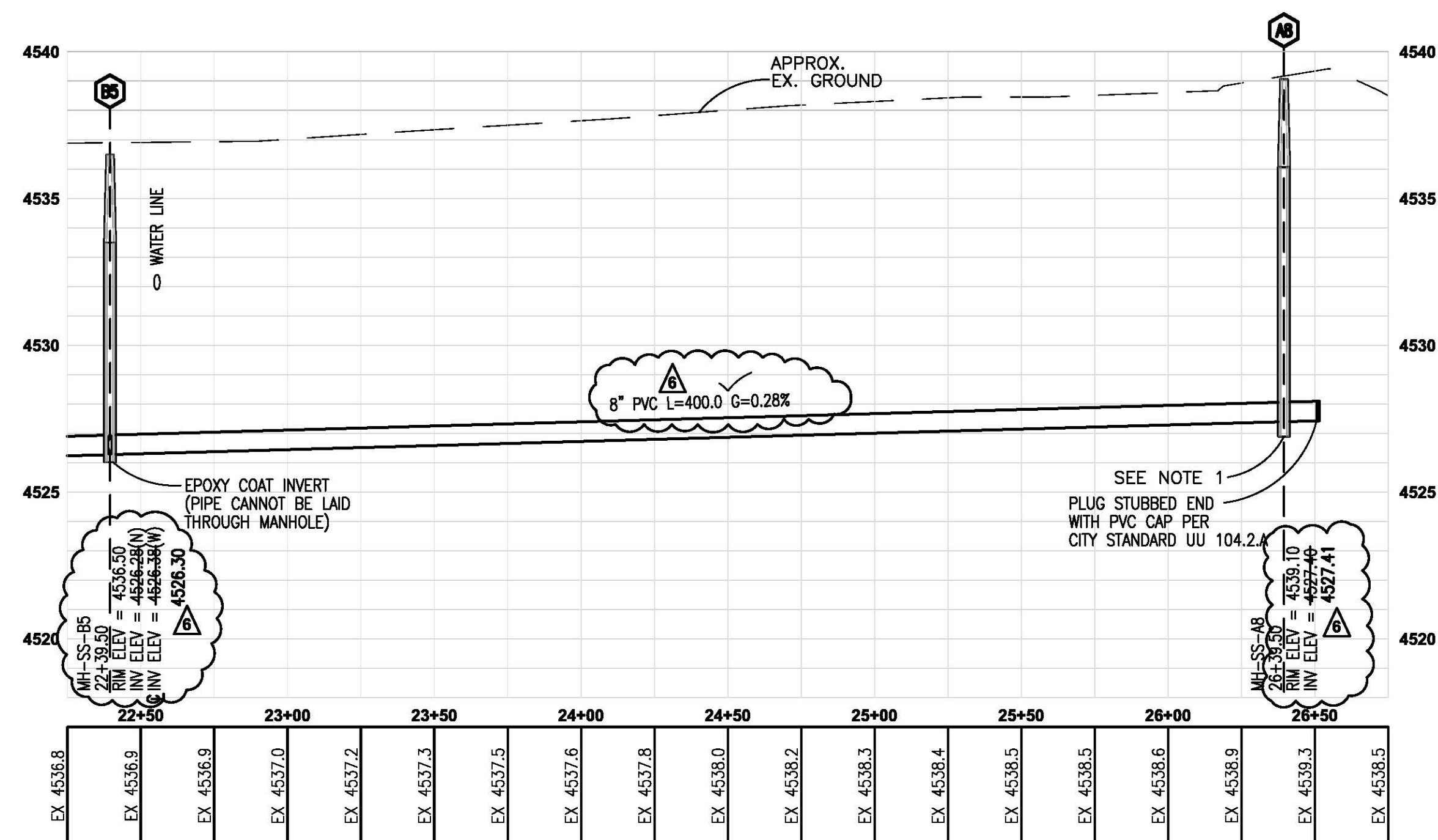
OWNER: HARBERT LUMBER CO.
USE: COMMERCIAL / INDUSTRIAL
ZONING: P.U.D. (PLANNED UNIT
DEVELOPMENT)

OWNER: JOHN PETER BYRNE
USE: COMMERCIAL / INDUSTRIAL
ZONING: P.U.D. (PLANNED UNIT
DEVELOPMENT)



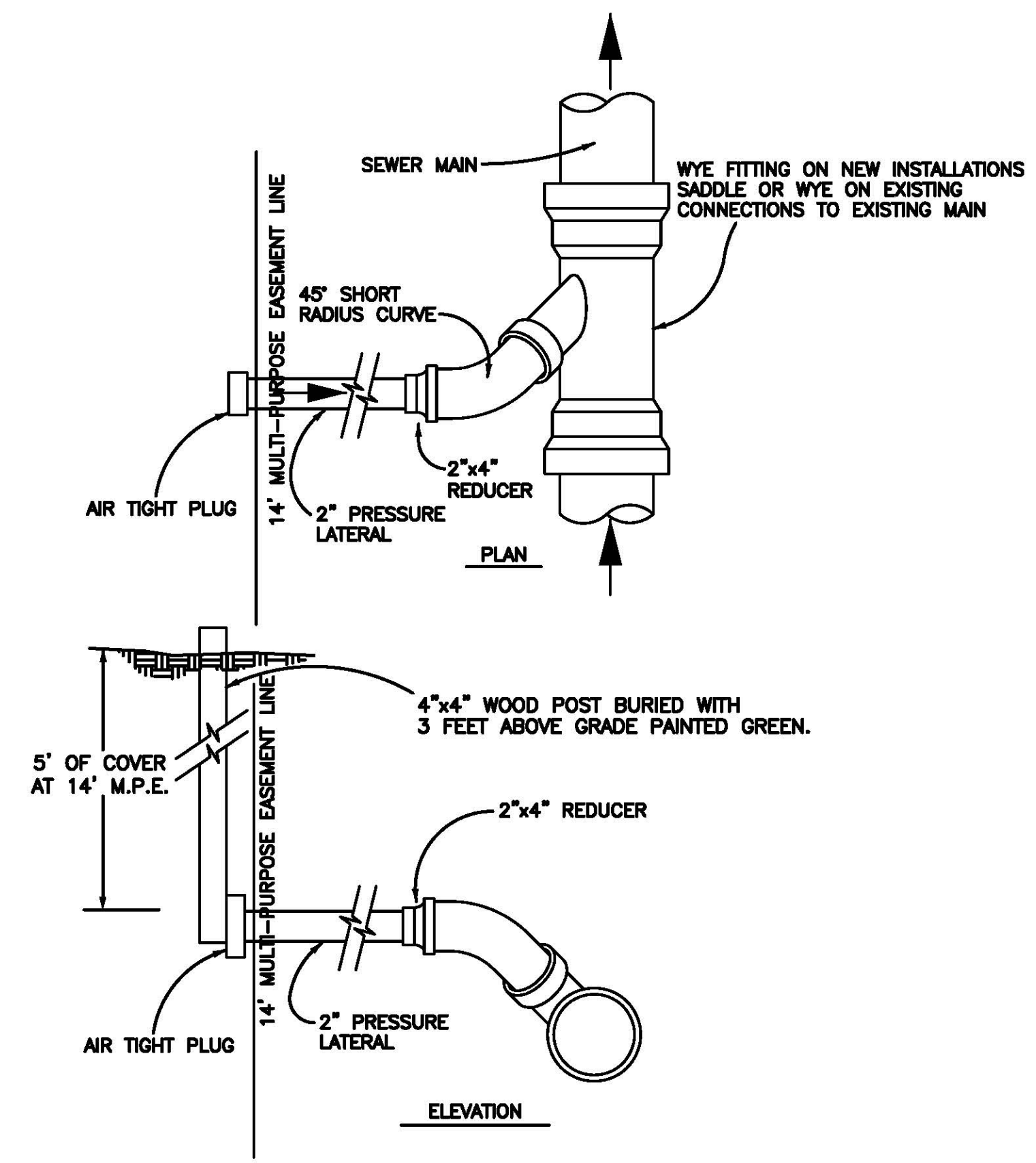
PLAN

HORIZONTAL SCALE: 1" = 40'



PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



**SERVICE "Y" CONNECTION
FOR LOTS 6-9 OF BLOCK 2
WITH SEWER PUMPS**

NOT TO SCALE

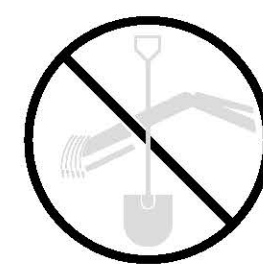
NOTES:

- LAY PIPE THROUGH MANHOLE AND REMOVE PIPE FROM SPRING LINE UP. TYPICAL FOR ALL STRAIGHT THROUGH MANHOLES (6) PLACE FLEXIBLE JOINT WITHIN 2' OF MH EACH SIDE.
- INSTALL CLAY CUTOFF WALLS PER CITY STANDARDS (NOTE J)

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MH STRUCTURE SCHEDULE					
Structure Number	Northing	Easting	Structure Type	Rim Elevation	Invert Elevation
A1	7782.47	9996.32	48" SEWER MANHOLE	4525.32	4519.75
A2	7875.98	9946.60	48" SEWER MANHOLE	4527.03	4520.84
A3	8275.97	9951.06	48" SEWER MANHOLE	4529.50	4521.18
A4	8623.87	9953.11	48" SEWER MANHOLE	4532.19	4522.46
A5	8971.76	9955.17	48" SEWER MANHOLE	4532.93	4523.36
A6	9319.66	9957.22	48" SEWER MANHOLE	4534.31	4524.30
A7	9667.55	9959.27	48" SEWER MANHOLE	4535.16	4525.30
A8	10415.44	9961.93	48" SEWER MANHOLE	4539.10	4527.40
B5	10015.44	9961.32	48" SEWER MANHOLE	4536.50	4526.30

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UTILITY NOTIFICATION
CENTER OF COLORADO

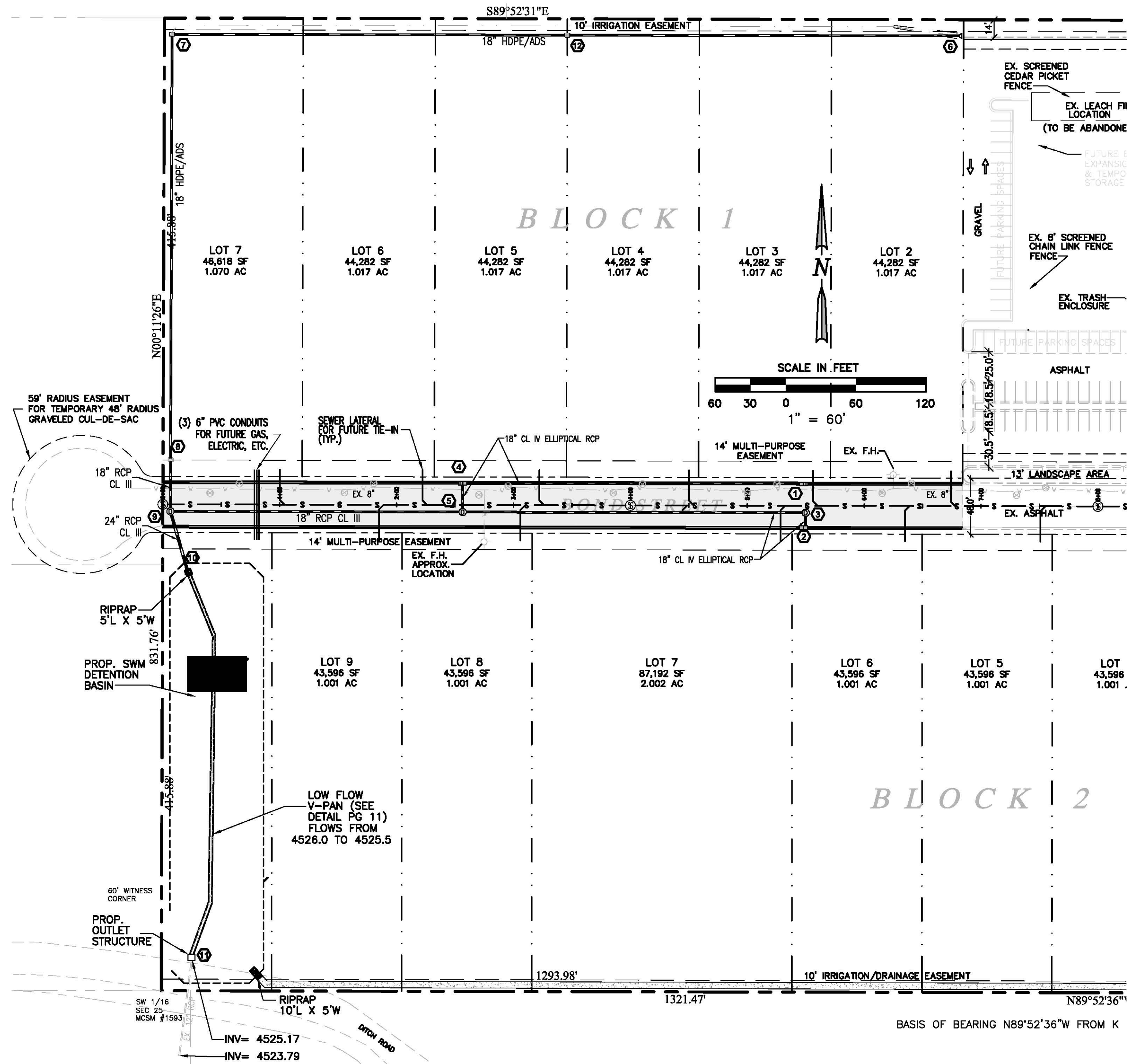
ACCEPTED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE
ACCEPTANCE OF THESE PLANS DOES NOT RELIEVE THE DEVELOPER, CONTRACTOR, OR THE ENGINEER FROM CONFORMANCE WITH THE CITY OF GRAND JUNCTION STANDARD SPECIFICATIONS.

CITY OF GRAND JUNCTION DEVELOPMENT ENGINEERING DATE:

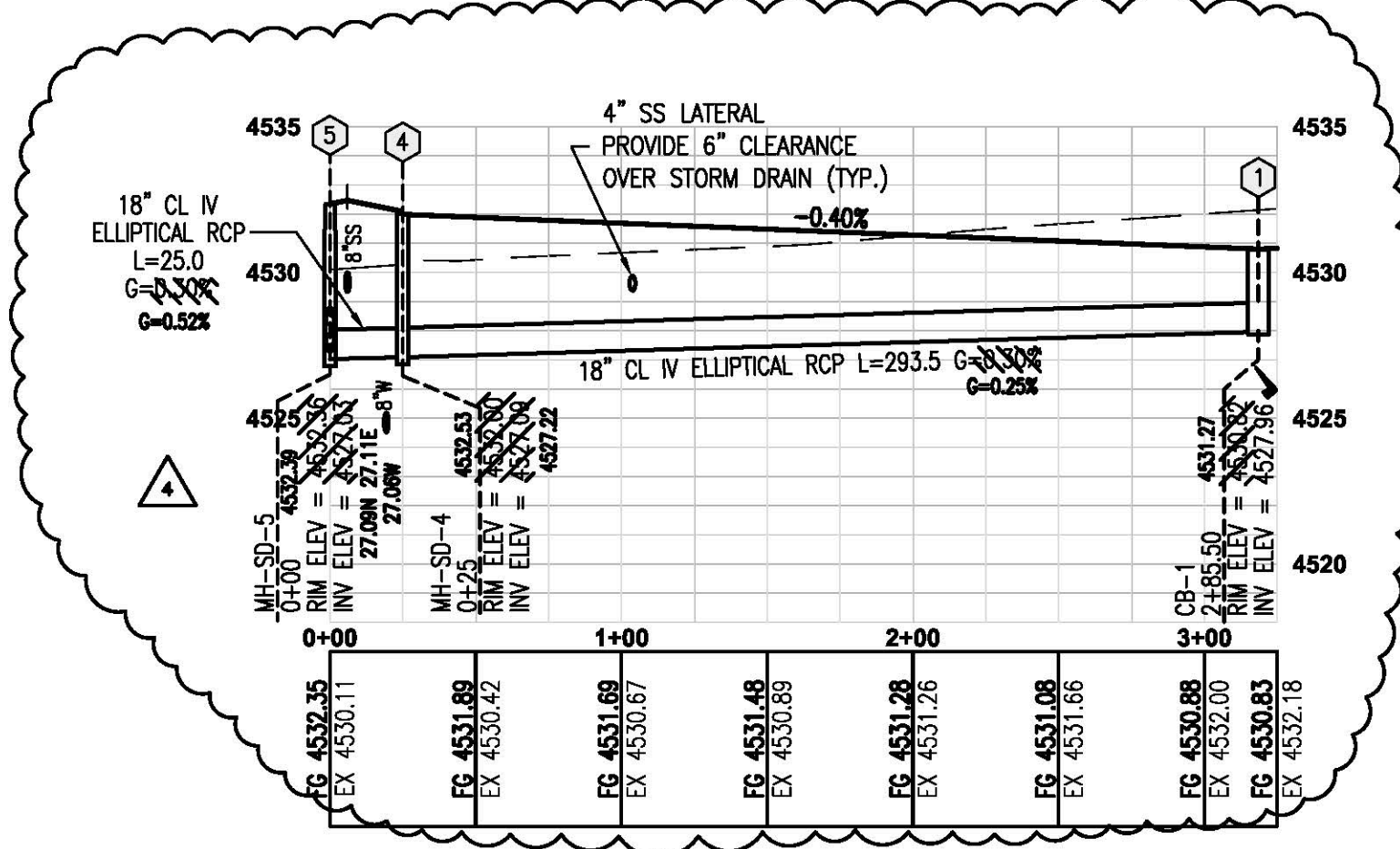
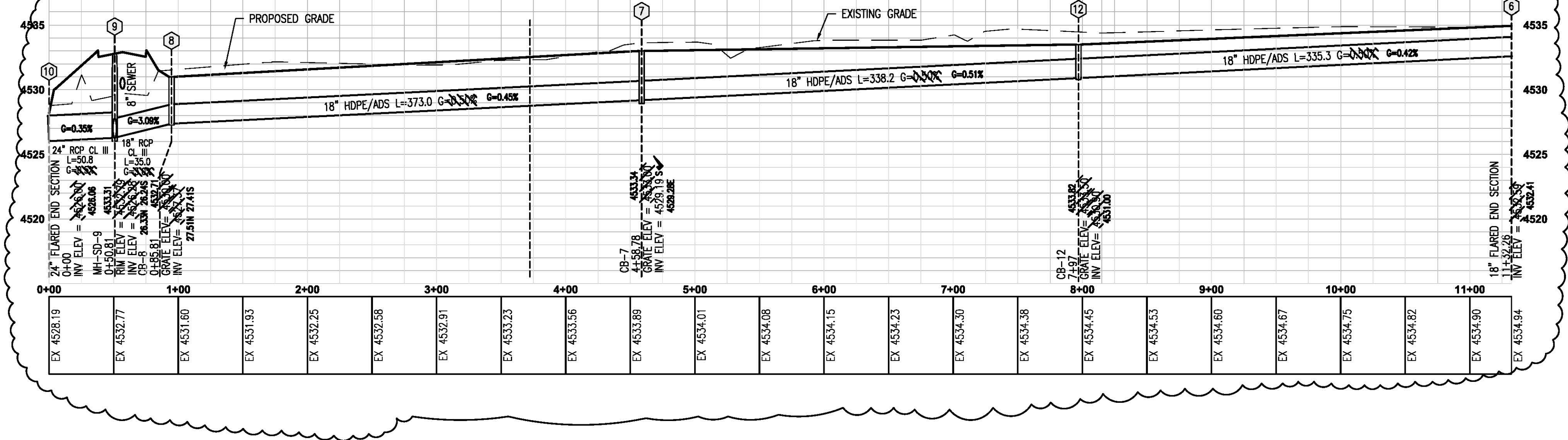
ACCEPTED AS CONSTRUCTED

CITY OF GRAND JUNCTION DEVELOPMENT ENGINEERING DATE:

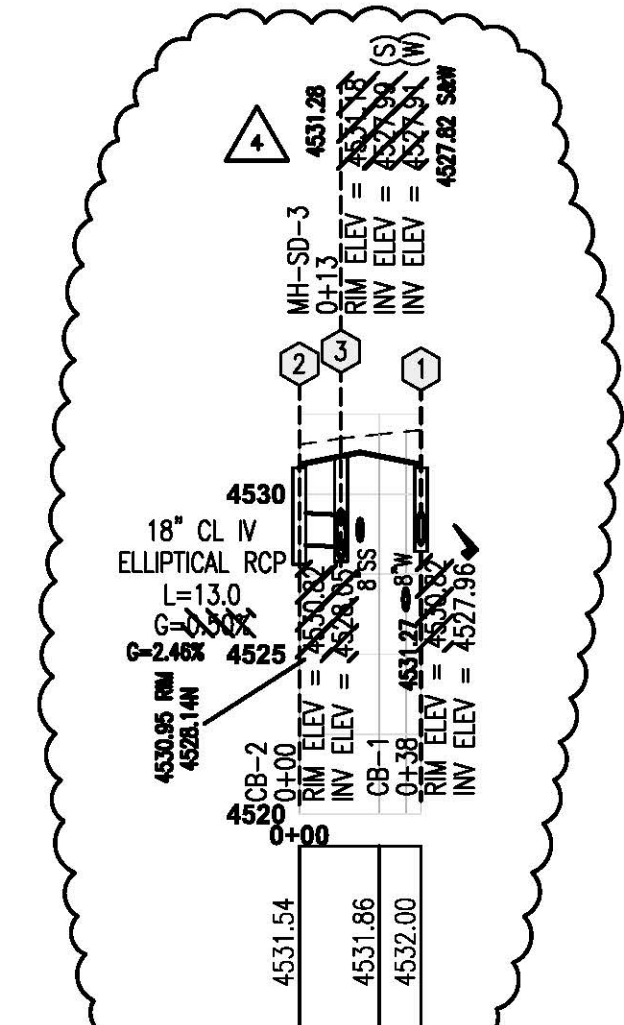
"SANITARY SEWER AS-BUILTS"
(BASED ON INFORMATION FURNISHED
BY DH SURVEY DATED 11-28-07)



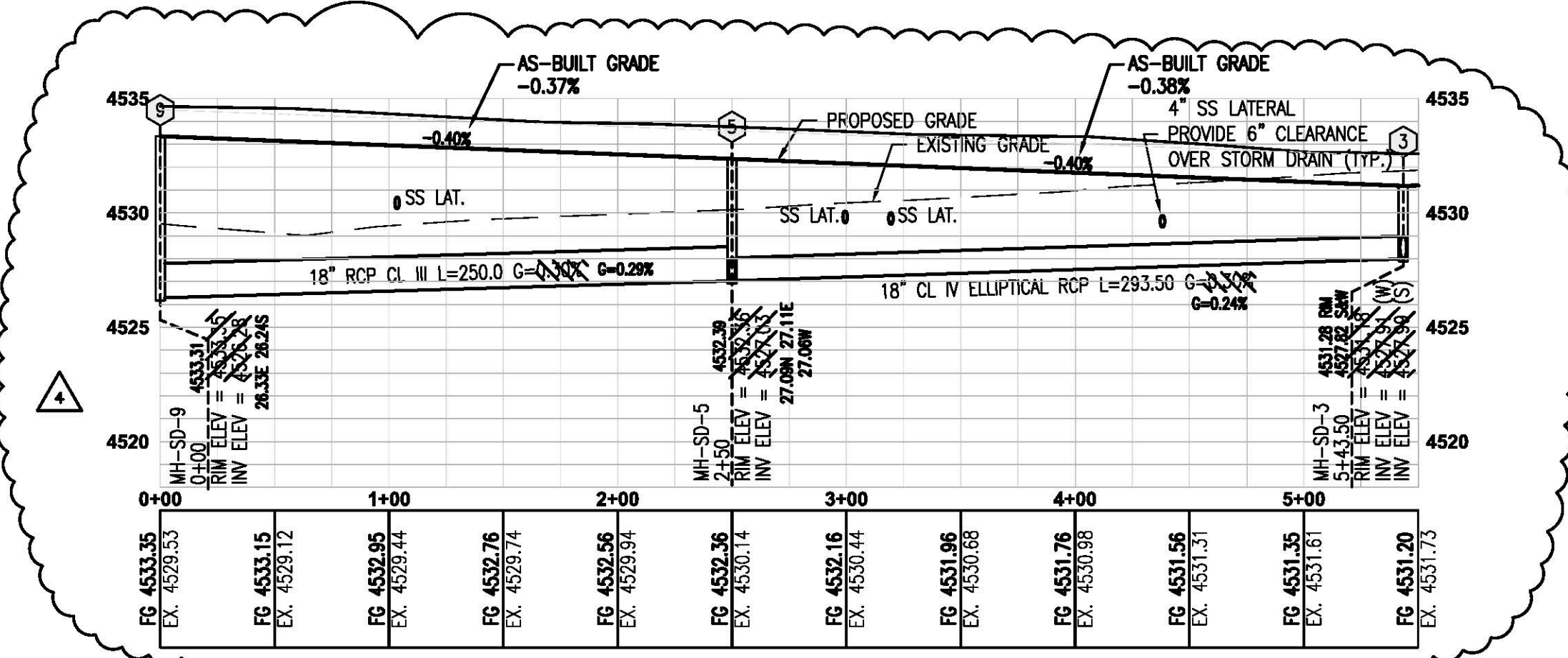
BOND ST: STORM DRAIN PLAN & PROFILE
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'



STORM DRAIN PROFILE
STR. 1 - 5
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'



STORM DRAIN PROFILE
STR. 2 - 3
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'



STORM DRAIN PROFILE
STR. 3 - 9
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'

STRUCTURE SCHEDULE			
Structure Number	Structure Type	Flow Line/Rim Elevation	Invert Elevation
1	CDOT CURB INLET (TYPE R)	4530.82 31.27	4527.96
2	CURB/GUTTER INLET (DOUBLE)	4530.82 .85	4528.06
3	48" STORM MANHOLE	4531.78 .28	4527.84
4	CDOT CURB INLET (TYPE R)	4532.00 .53	4527.94
5	48" STORM MANHOLE	4532.36 .39	4527.83
6	18" HDPE/ADS FLARED END SECTION	---	4532.54
7	SMALL AREA INLET	4533.00 .34	4529.19
8	SMALL AREA INLET	4532.00 32.71	4527.52
9	48" STORM MANHOLE	4532.79 33.31	4526.78
10	24" RCP FLARED END SECTION	---	4526.90
11	OUTLET STRUCTURE	4529.50 30.19	4525.72
12	SMALL AREA INLET	4533.50 .82	4530.80

PIPE SCHEDULE						
From Structure	To Structure	Starting Invert Elevation	Ending Invert Elevation	Pipe Material	Pipe Length (ft.)	Pipe Dia (in.)
1	4	4527.96	4527.09	RCP CL IV	293.5	18 ELLIPTICAL
2	3	4528.05	4527.99	RCP CL IV	13.0	18 ELLIPTICAL
3	5	4527.91	4527.03	RCP CL IV	293.5	18 ELLIPTICAL
4	5	4527.09	4527.03	RCP CL IV	25.0	18 ELLIPTICAL
5	9	4527.03	4526.28	RCP CL III	250.0	18
6	12	4532.59	4530.90	HDPE/ADS	335.3	18
12	7	4530.90	4529.19	HDPE/ADS	338.2	18
7	8	4529.19	4527.37	HDPE/ADS	373.0	18
8	9	4527.37	4526.28	RCP CL III	35.0	18
9	10	4526.28	4526.00	RCP CL III	50.8	24
11	EX. DITCH	4525.17	4523.79	EXIST. RCP	81.9	12

AS-BUILT RECORD DRAWING

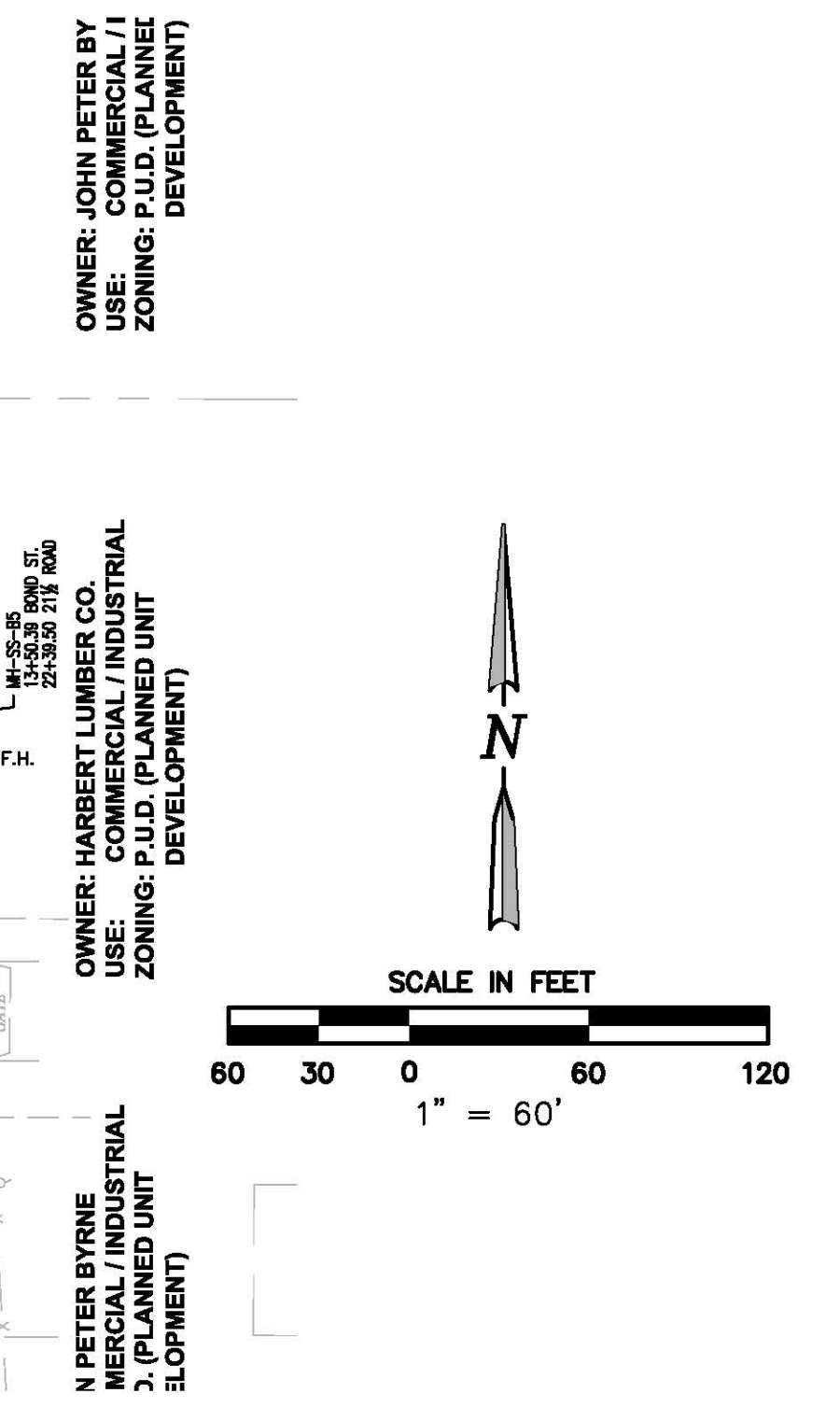
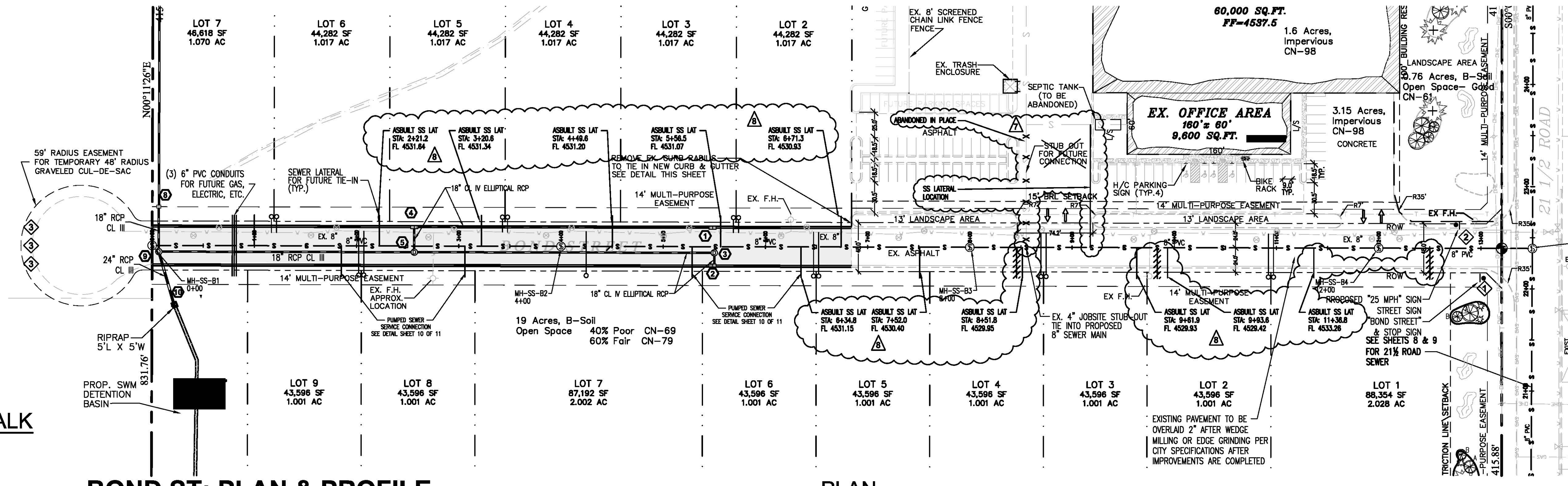
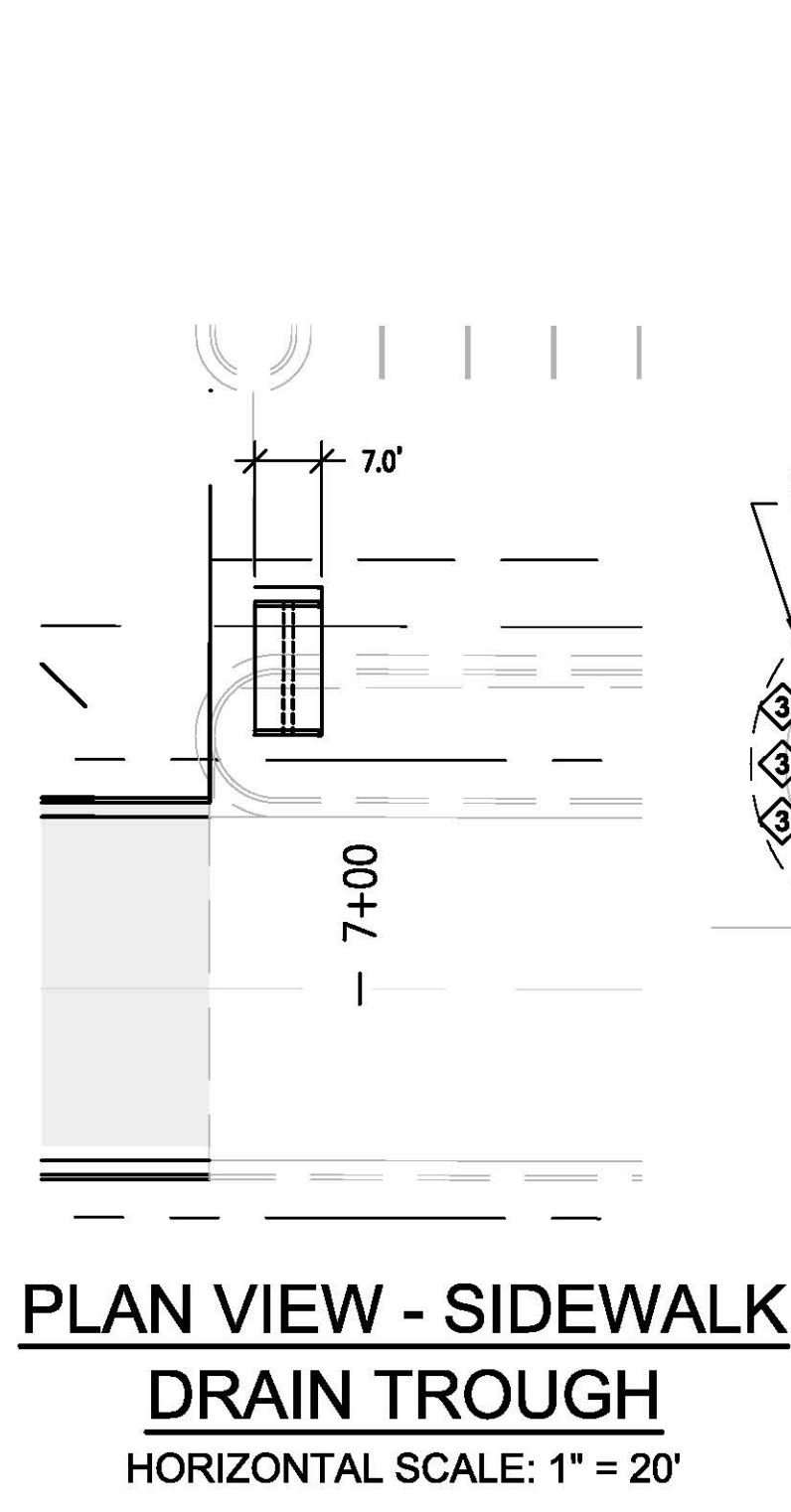
NOTE:
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CALL
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 UTILITY NOTIFICATION
 CENTER OF COLORADO

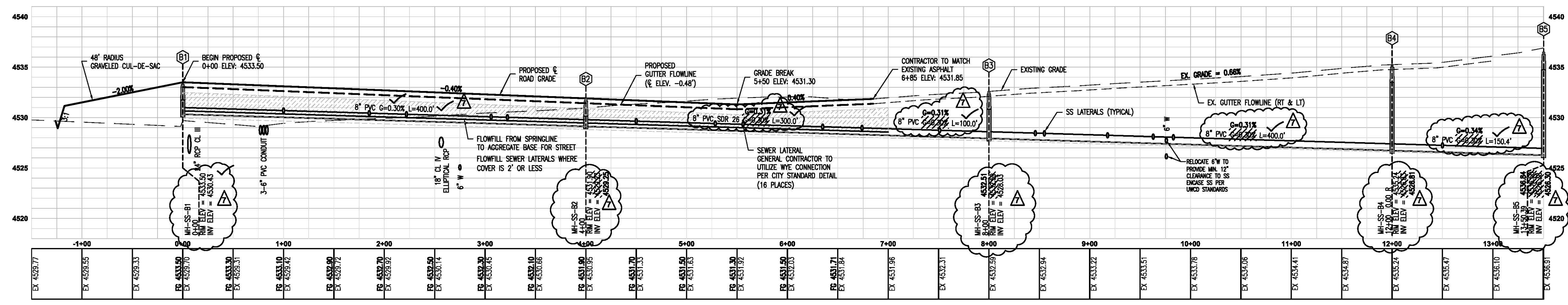
CONTRACTOR TO TEST PIT ALL CROSSINGS OF EXISTING UTILITIES WHERE IT IS DEPICTED ON THESE PLANS PRIOR TO BIDDING AND CONSTRUCTION. ANY DISCREPANCIES FOUND ARE TO BE REPORTED TO VORTEX ENGINEERING, INC. IN WRITING IMMEDIATELY.

DLS
 AS-BUILTS OF STORM DRAINS
 5/17/10

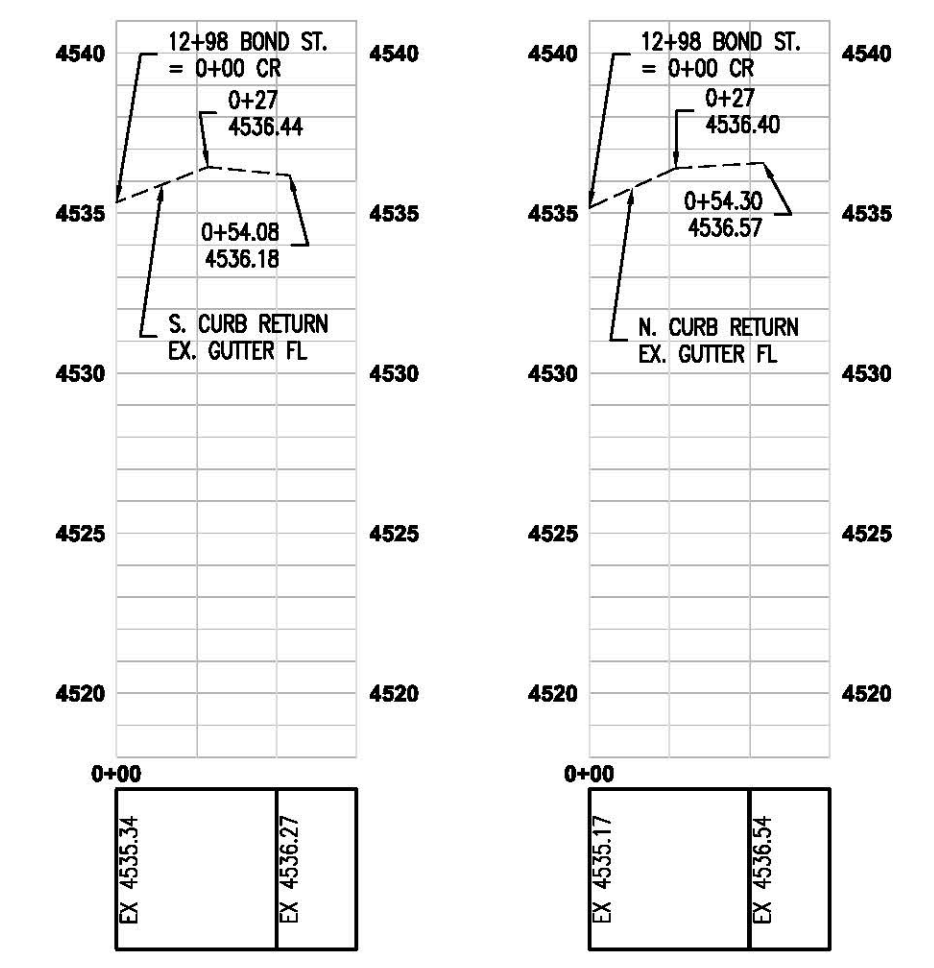


BOND ST: PLAN & PROFILE
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'

PLAN
 HORIZONTAL SCALE: 1" = 60'

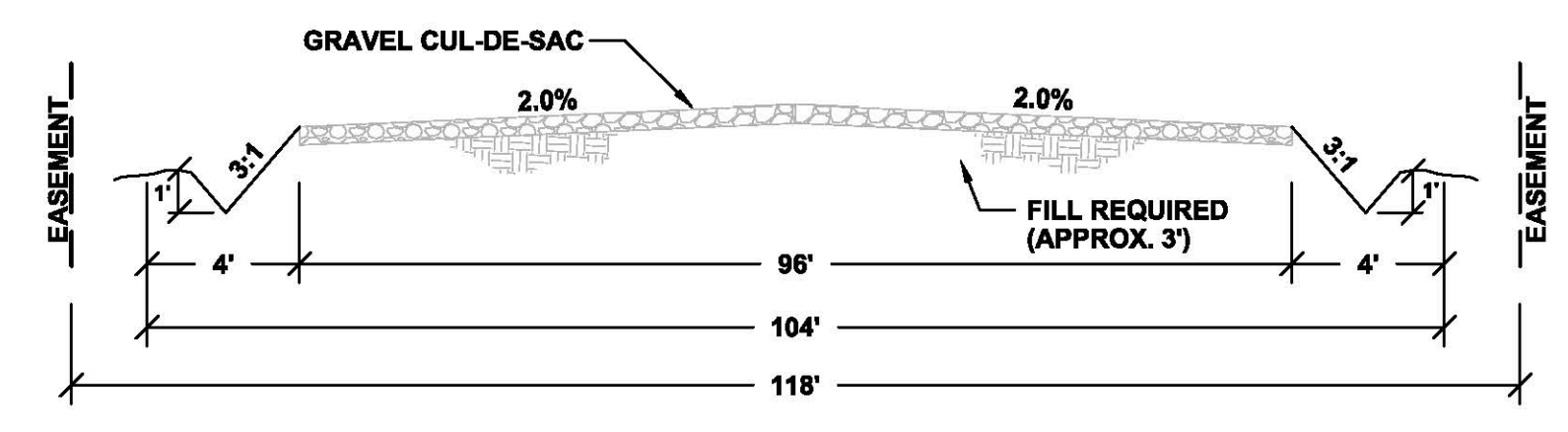


PROFILE
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'

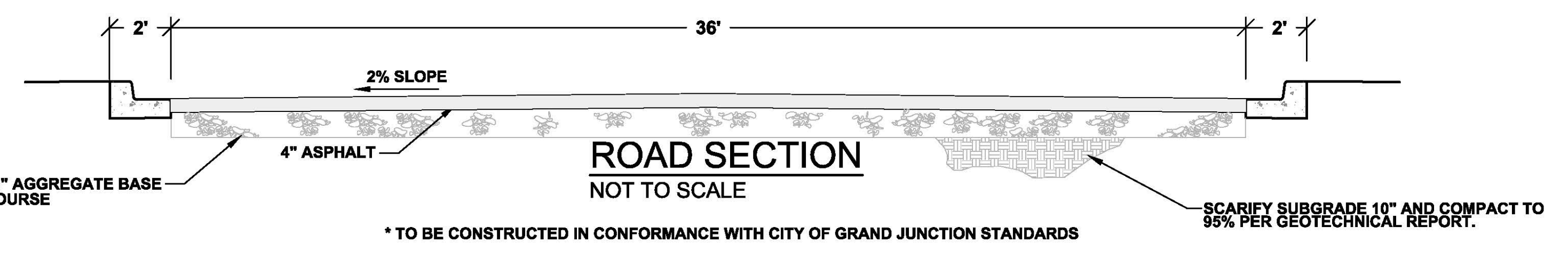


CURB RETURN PROFILES
 HORIZONTAL SCALE: 1" = 60'
 VERTICAL SCALE: 1" = 6'

- SIGN SCHEDULE**
- 1 STOP SIGN & STREET SIGN
 - 2 25 SPEED LIMIT SIGN
 - 3 18"x 18" END OF ROAD MARKER DIAMOND RED ON BLACK PANEL



GRAVEL CUL-DE-SAC SECTION
 NOT TO SCALE



* TO BE CONSTRUCTED IN CONFORMANCE WITH CITY OF GRAND JUNCTION STANDARDS

SEWER MH STRUCTURE SCHEDULE					
Structure Number	Northing	Easting	Structure Type	Rim Elevation	Invert Elevation
B1	10018.41	8610.94	48" SEWER MANHOLE	4533.50	4530.43
B2	10017.53	9010.94	48" SEWER MANHOLE	4531.90	4529.25
B3	10016.65	9410.93	48" SEWER MANHOLE	4532.59	4528.03
B4	10015.77	9810.93	48" SEWER MANHOLE	4535.24	4526.81
B5	10015.44	9961.32	48" SEWER MANHOLE	4536.50	4526.30

GENERAL CONTRACTOR IS TO REFERENCE THE GEOTECHNICAL REPORT, PREPARED BY GEOTECHNICAL ENGINEERING GROUP, DATED APRIL 10, 2002, AND ADDENDUM II, DATED OCTOBER 20, 2006, FOR ROAD SECTION DESIGN INFORMATION

AS-BUILT RECORD DRAWING

5/19/10 AS-BUILTS, SWM, SEWER LATERAL LOCATIONS