

REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) (1)2" (1)1"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) (1)8"
THE REDUCED PRESSURE DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 56. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED OR CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

EASEMENTS WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE
TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

NOTE:
1. CONSTRUCTION IMPACTING PRIVATE WATERLINE SUCH AS FIRE HYDRANT REMOVAL, OFFSETTING WATER LINE, ETC. SHALL BE COORDINATED WITH APARTMENT COMPLEX MANAGEMENT.

INSTALL WATERLINE IN STEEL CASING PER UDACS PLATE NO. 23. MINIMUM 18-INCH CLEARANCE IS REQUIRED ABOVE THE TOP OF THE CASING, FROM THE UPPER BENDS THROUGHOUT THE LOWERED SECTION OF THE PIPE, DUCTILE IRON PIPE WITH RESTRAINED JOINTS IN REQUIRED. IN ADDITION, THRUST BLOCKS ARE TO BE INSTALLED AT THE UPPER BENDS.

ANNULAR SPACE BETWEEN PIPE AND CASING SHALL BE FILLED WITH CLASS 1 CLSM. SEE UDACS PLATES 17 AND 19, FOR BEDDING AND BACKFILL REQUIREMENTS.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

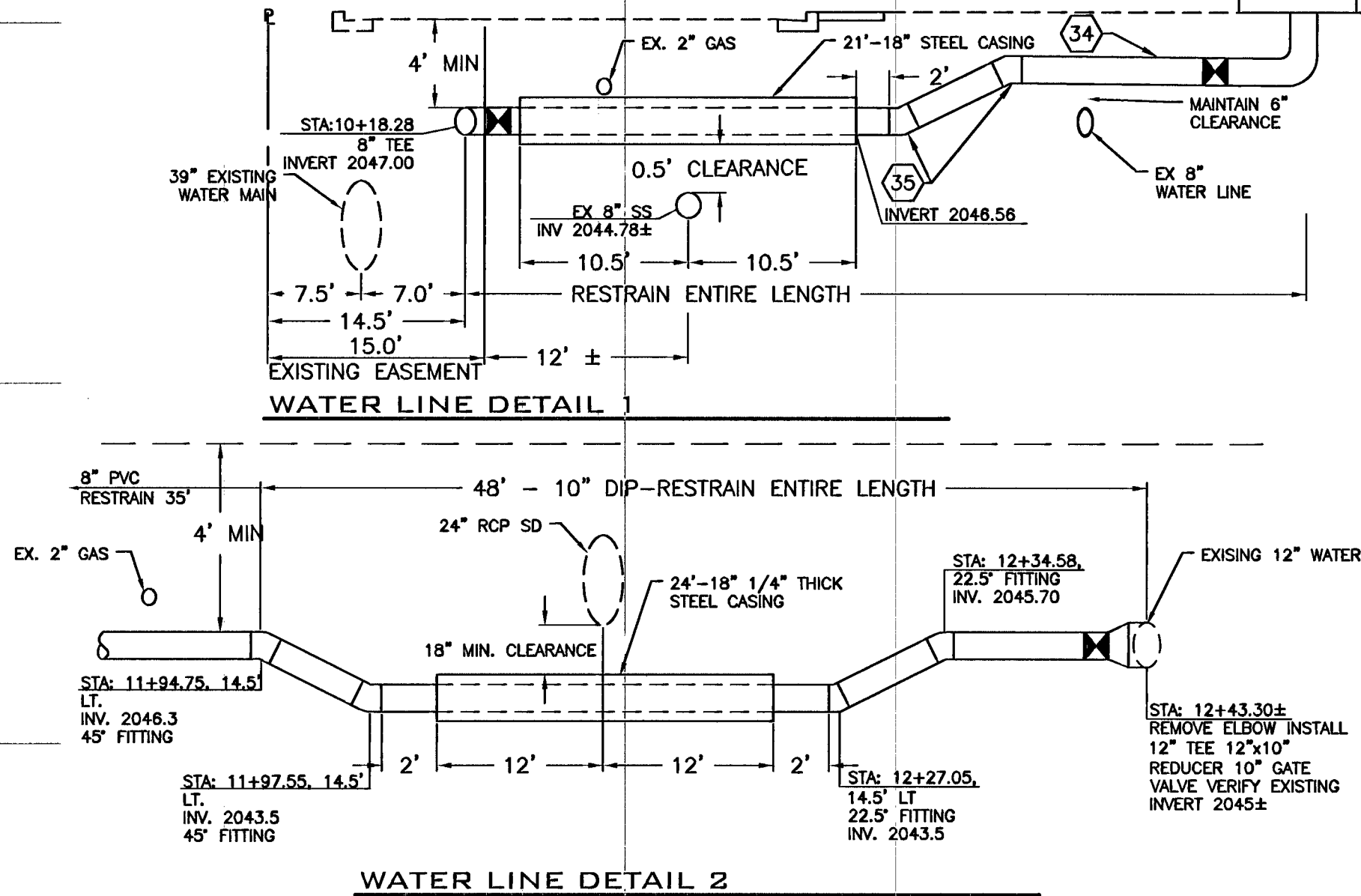
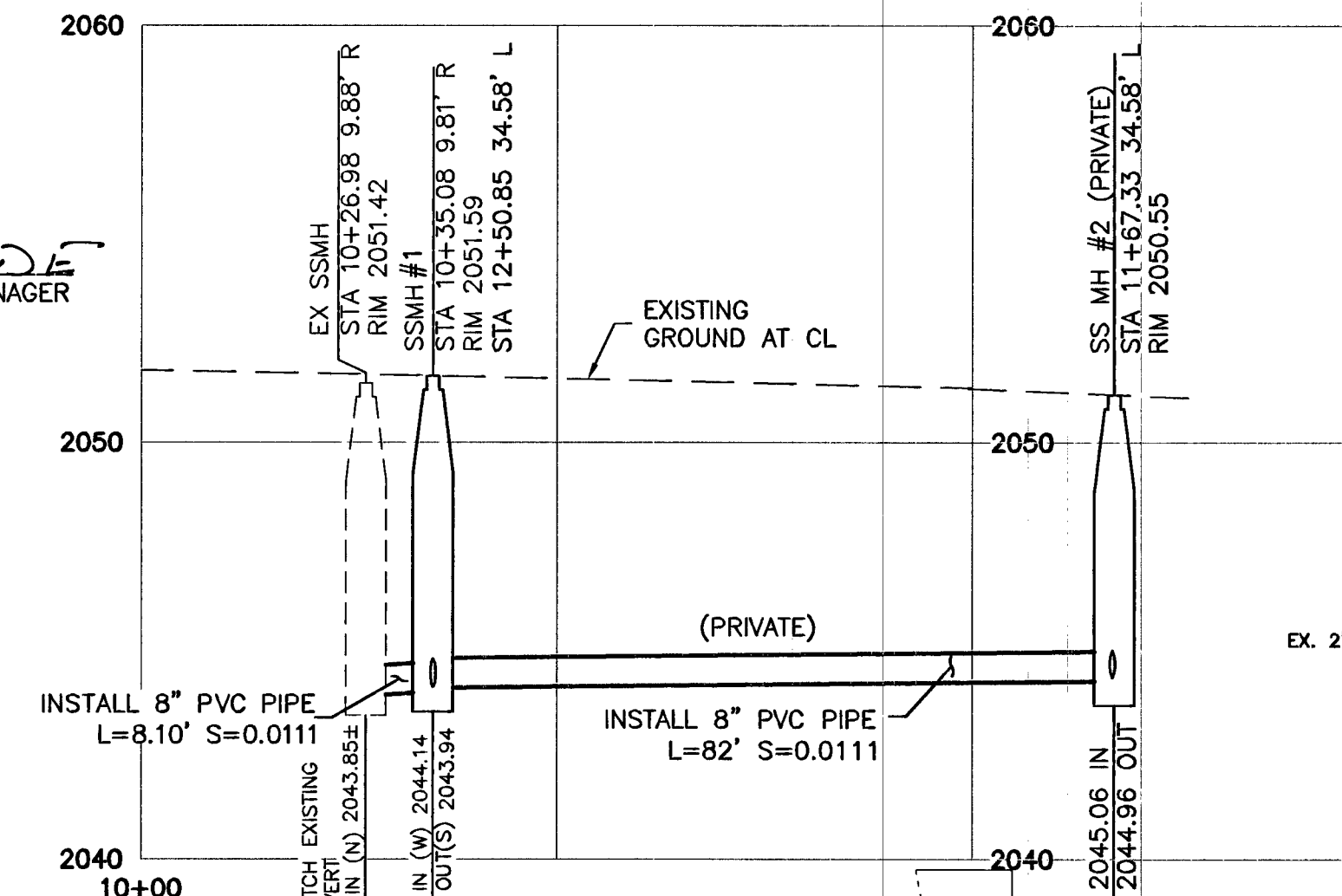
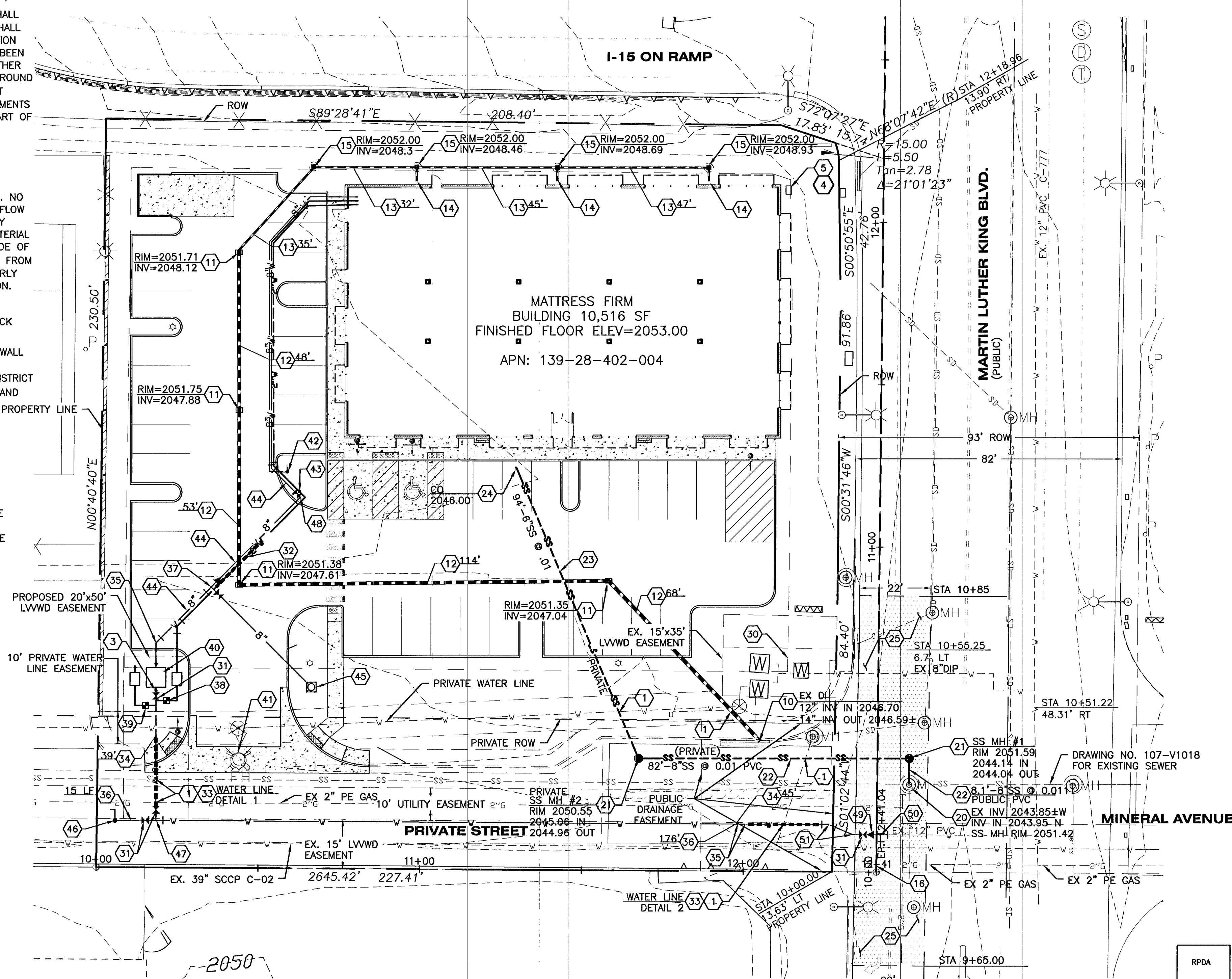
FIRE FLOW CALCULATIONS

Fire Flow Requirement is **1500** gallons per minute @ 20 psi residual pressure.

Based on:
Square Footage: 10,508 square feet
Largest area between 4-hour area separation walls: 10,508 square feet
Building Height: 30'-8" feet
Number of Stories: 1 floors
Type of Construction: 5 B
Occupancy: M
Full Automatic Fire Sprinkler System: ☒ Yes ☐ No
Reviewed By: _____ Date: _____
Lus Vegas Fire & Rescue

NOTE: ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 08.

SECTION 28, T. 20 S., R. 61 E., M.D.M.



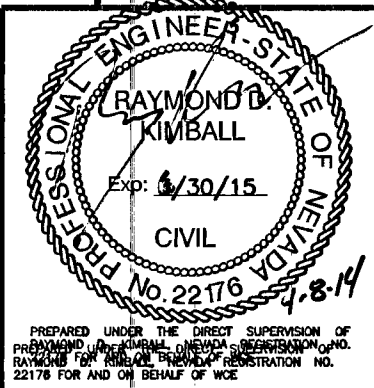
CONSTRUCTION NOTES

1. CAUTION!! UTILITY CROSSING. VERIFY INVERTS PRIOR TO CONSTRUCTION. CONTRACTOR TO POT HOLE ALL UTILITIES PRIOR TO START OF CONSTRUCTION AND PROVIDE SHOP DRAWINGS OF ALL WATER AND SEWER CROSSINGS.
2. INSTALL 1-4 INCH SCHEDULE 40 PVC TELEPHONE CONDUIT AND PULL ROPES PER UTILITY COMPANY REQUIREMENTS. CONTRACTOR TO COORDINATE WORK WITH UTILITY COMPANY. SEE ARCHITECTURAL PLANS.
3. INSTALL 10"x8" REDUCER
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH GAS COMPANY REGARDING THE INSTALLATION OF GAS SERVICE LINE AND ANY NECESSARY REPAIRS TO EXISTING CONDITIONS.
5. INSTALL GAS ENTRY WITH GAS METER. CONTRACTOR IS RESPONSIBLE FOR INSTALLING PIPE BOLLARD PROTECTION AT METER. CONTRACTOR SHALL COORDINATE GAS METER INSTALLATION WITH GAS COMPANY. SEE ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION.
10. CONNECT STORM DRAIN PIPE INTO BACK OF EXISTING DROP INLET.
11. INSTALL DROP INLET - JENSEN PRECAST 1616-HDI WITH 1616H GRATE AND FRAME OR APPROVED EQUAL. SEE THE SITE PLAN, SHEET C3.0, FOR INVERT AND RIM GRADES.
12. INSTALL 12" HDPE STORM DRAIN PIPE AT A .05% SLOPE. SEE THIS PLAN FOR LENGTH AND SLOPE BACKFILL PER METHOD B STANDARD DRAWING 503.
13. INSTALL 10" PVC SDR 35 STORM DRAIN PIPE AT A .05% SLOPE. SEE THIS PLAN FOR LENGTH AND SLOPE. BACKFILL PER METHOD B, STANDARD PLAN DRAWING 503.
14. INSTALL 10" PVC SDR 35 STUB TO WITHIN 5 FEET OF BUILDING AT S=0.01.
15. INSTALL 10" STORM DRAIN CLEANOUT.
16. IF EXISTING MATERIAL IS CAST IRON, REPLACE WITH C-900 PVC TO GATE VALVE.
20. CONNECT TO EXISTING MANHOLE. MANHOLE SHALL BE RE-CHANNELLED PER DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS (DCSWCS). SEE STANDARD DRAWING SD-9.
21. INSTALL STANDARD MANHOLE PER (DCSWCS) DRAWINGS SD-1A, SD-3, SD-4 AND SD-9.
22. INSTALL 8" PVC SDR 35 SEWER LINE PER (DCSWCS). SEE PLAN FOR SLOPE AND LENGTH. SEE DETAILS SD-14, SD-15 AND SD-18 ON SHEET C6.2. SEE PLAN SD-21 PER CROSSING AT 24" STORM DRAIN.
23. INSTALL 6" PVC SDR 35 SEWER SERVICE PER (DCSWCS). SEE PLAN FOR SLOPE AND LENGTH. SEE DETAILS SD-14, SD-15, AND SD-17 ON SHEET C6.2.
24. INSTALL 6" SEWER CLEANOUT WITH TRAFFIC RATED LID, PER (DCSWCS) DRAWING SD-26.
25. PAVEMENT RESTORATION PER CLARK COUNTY STANDARD DRAWING 500.1 AND 500.2.
30. EXISTING 8"x4" METER, ACCOUNT #91218. PROTECT IN PLACE.
31. INSTALL 10" GATE VALVE W/ ANCHOR BLOCK PER UDACS PLATE #30
32. INSTALL WATER SERVICE IN SCHEDULE 40 PVC SLEEVE 10 FEET BOTH SIDES OF STORM DRAIN CROSSING. MAINTAIN 18" CLEARANCE.
33. INSTALL STEEL CASING PER UDACS PLATES 22 AND 23.
34. INSTALL 10" CLASS 53 DI WATER LINE.
35. INSTALL 45" FITTING. WITH PIELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15.
36. INSTALL 10" PVC C900 WATER LINE
37. INSTALL 8" TEE.
38. INSTALL 2" SADDLE TAP, 2" METER AND 2" TYPE K COPPER DOMESTIC WATER LINE WITH RPPA PER UDACS PLATE #4 AND #8.
39. INSTALL 1" SADDLE TAP, 1" METER AND 1" TYPE K COPPER LINE WITH RPPA PER UDACS PLATE #4 AND #8.
40. INSTALL 8" RPDA PER UDACS PLATE #56
41. RELOCATE EXISTING FIRE HYDRANT PER CONSTRUCTION NOTE 45.
42. INSTALL FIRE DEPARTMENT CONNECTION AND CLASS 200 REQUIRED PIPING FOR FDC LINE PER CITY OF LAS VEGAS FIRE DEPARTMENT STANDARDS.
43. INSTALL POST INDICATOR VALVE PER CITY OF LAS VEGAS FIRE DEPARTMENT STANDARDS.
44. INSTALL 8" PVC C900 FIRE LINE TO WITHIN 5 FEET OF BUILDING. SEE ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION.
45. INSTALL FIRE HYDRANT ASSEMBLY PER STANDARD PLAN UDACS-40 & 41.
46. INSTALL 10" CAP WITH 2" BLOW OFF ASSEMBLY PER UDACS PLATE #31 AND #36.
47. INSTALL 10" TEE WITH THRUST BLOCK PER UDACS PLATE #31.
48. INSTALL 90° FITTING
49. INSTALL 12" x 10" REDUCER W/ ANCHOR BLOCK PER UDACS PLATE #30
50. REMOVE EXISTING 90° ELBOW AND INSTALL 12" TEE WITH THRUST BLOCK.
51. INSTALL 22.5" FITTING WITH PIELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15.



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MATTRESS FIRM OVERALL UTILITY PLAN
80 S. MARTIN LUTHER KING BLVD.
LAS VEGAS, NEVADA



SCALE:

HORIZONTAL:

1" = 20'

VERTICAL:

1" = 4'

PROJ #: 13-1112

DATE: 04/04/14

DRAWN: SMM

REVIEWED: TRW

SHEET C6.0
9 OF 14

CLV DWG NUMBER

H# 52288

10716237

COUNTY DATUM

CITY OF LAS VEGAS BENCHMARK NO. 7LV0128SSW6 BEING A RIVET & PLATE IN TOP OF CURB AT THE NORTHWEST CORNER OF SHADOW LANE & MESQUITE AVENUE.

ELEVATION: 2057.65 FEET OR 627.174 METERS, NAVD 88.