

**LEGEND**

| EXISTING       | PROPOSED |   |
|----------------|----------|---|
| ---            | ---      | EDGE OF PAVEMENT                        |
| GRAN. CURB     | ---      | GRANITE CURB BOUND (TYPE NOTED)         |
| SBD            | ---      | PROPERTY LINE                           |
|                | ---      | LINE OF EASEMENT                        |
|                | 2        | CONSTRUCTION BASELINE                   |
|                | CB       | CATCH BASIN                             |
|                | CBCI     | CATCH BASIN AND CURB INLET              |
| DI             |          | DROP INLET                              |
| DMH            | ○        | DRAINAGE MANHOLE                        |
| SMH            | ○        | SEWER MANHOLE                           |
| TMH            | ○        | TELEPHONE MANHOLE                       |
| EMH            | ○        | ELECTRIC MANHOLE                        |
| HH             | ■        | ELECTRIC HAND HOLE                      |
| WG             |          | GAS GATE                                |
|                | W        | WATER GATE                              |
| HYD            | ⊙        | HYDRANT                                 |
| UP             | ○        | UTILITY POLE, TELEPHONE, POWER          |
|                | ○        | LIGHT POLE                              |
| 15" RCP        | ---      | DRAINAGE PIPE (SIZE & TYPE OF MATERIAL) |
| 8" SEWER       | ---      | SEWER LINE (SIZE & TYPE OF MATERIAL)    |
| 4" L.P. GAS    | ---      | GAS MAIN (NOTE SIZE)                    |
| 12" D.I. WATER | ---      | WATER MAIN (SIZE & TYPE OF MATERIAL)    |
|                | ---      | ELECTRIC CONDUIT (NAME OF UTILITY)      |
|                | ---      | RETAINING WALL                          |
|                | ---      | STONE WALL                              |
|                | ---      | STEEL BEAM GUARD RAIL                   |
|                | ---      | SIGN AND POST                           |
| MB             |          | MAILBOX                                 |
| GUY            |          | GUY POLE                                |
|                |          | SHRUB                                   |
|                |          | TREE                                    |
|                |          | HEDGE                                   |
|                |          | WETLAND                                 |
|                | ---      | CHAIN LINK FENCE                        |
| X 318.7        | 295.28   | SPOT GRADE                              |
|                | ---      | OVERHEAD WIRES                          |
|                | ---      | WHEELCHAIR RAMP                         |
|                | ==       | TRAFFIC SIGNAL CONDUIT                  |
|                | →        | VEHICULAR SIGNAL HEAD                   |
|                | →        | PEDESTRIAN WALK-DON'T WALK SIGNAL       |
|                | →        | MAST ARM WITH FOUNDATION                |
|                | ■        | TRAFFIC SIGNAL POST AND BASE            |
|                | ○        | PEDESTRIAN PUSH BUTTON                  |
|                | →        | FLASHING BEACON                         |
|                | ■        | 300 mm X 300mm PULL BOX                 |
|                | ■        | TRAFFIC CONTROLLER AND CABINET          |
|                | □        | INDUCTIVE LOOP DETECTOR                 |
|                | ---      | HAY BALE/SILT FENCE BARRIER             |

**GENERAL NOTES**

1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR REVIEW A SCHEDULE OF OPERATIONS IN ADDITION TO OTHER CONTRACT REQUIREMENTS TO THE MASSACHUSETTS HIGHWAY DEPARTMENT.
2. THE CONTRACTOR SHALL ESTABLISH HIS SURVEY CONTROL PRIOR TO BEGINNING WORK ON THIS CONTRACT.
3. COORDINATES ARE REFERENCED HORIZONTALLY TO THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM, MAINLAND ZONE AND NORTH AMERICAN DATUM, 1927 (NAD27). ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM, 1929 (NGVD29).
4. THE PROJECT BASE MAPPING SHOWN WAS PREPARED FROM AERIAL PHOTOGRAPHY DATED NOVEMBER 1994, FIELD SURVEY PERFORMED BY H.R. FELDMAN INC. IN FALL OF 1999 THROUGH THE SPRING OF 2000 AND EXISTING PLANS, ACCURACY IS NOT GUARANTEED. THE LOCATIONS OF EXISTING STRUCTURES SUCH AS SEWERS, DRAINS, WATER MAINS AND OTHER UTILITIES ARE ONLY APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR NUMBER OR LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BEFORE EXCAVATING.
5. ALL PROPERTY LINES, EXISTING STATE HIGHWAY LAYOUT LINES, EXISTING COUNTY LAYOUT LINES AND EXISTING CITY LAYOUT LINES SHOWN ARE APPROXIMATE.
6. BEFORE EXCAVATING, BLASTING, BACK FILLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING, ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THESE PLANS. SEE CHAPTER 370, ACT OF 1963, MASSACHUSETTS GENERAL LAWS. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG SAFE NUMBER: (800) 344-7233. REFER TO THE SPECIAL PROVISIONS FOR A LIST OF THE CONTACT PERSONS AT AFFECTED UTILITIES.
7. WHERE THE NEW CONSTRUCTION COINCIDES WITH PRESENT TRAVELED WAYS, THE CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER ACCEPTABLE TO THE ENGINEER SO THAT INTERFERENCE TO BUSINESS CONCERNS AND ABUTTERS, ON ACCOUNT OF THE CONSTRUCTION WORK, IS KEPT TO A MINIMUM. THE CONTRACTOR WILL NOT BE ALLOWED TO PARK EQUIPMENT OR STOCKPILE MATERIAL ON THE TRAVELED WAYS OVERNIGHT OR WHEN NOT IN USE. THE CONTRACTOR SHALL MAINTAIN SAFE AND REASONABLE ACCESS TO AND FROM ABUTTING PROPERTIES AT ALL TIMES AT NO ADDITIONAL COST.
8. THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY LOCATIONS OF EXISTING UTILITIES AS INDICATED OR AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY COMPANIES DOING WORK IN THE SAME AREA. THE CONTRACTOR SHALL ALLOW THE UTILITY COMPANIES AND THEIR REPRESENTATIVES TO INSTALL THEIR SYSTEMS WITHIN CITY/TOWN OWNED STREETS AND EASEMENTS.
10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO EXISTING LABELED SEWER MANHOLE OR DRAINAGE MANHOLE COVERS SHOWN ON THE PLANS AS THEY MAY NOT ACCURATELY REPRESENT THE UNDERGROUND SERVICE. PRIOR TO ANY WORK THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF AN EXISTING COVER NOT ACCURATELY REPRESENTING THE SERVICE BELOW.
11. NO EXISTING PUBLIC UTILITY STRUCTURES SHALL BE ABANDONED AND/OR DISMANTLED WITHOUT AUTHORIZATION FROM THE ENGINEER.
12. THE CONTRACTOR SHALL PROVIDE METHODS DURING DEWATERING OPERATIONS AND FOR STORM WATER RUNOFF NOT TO ALLOW SILT OR DEBRIS TO ENTER EXISTING DRAINAGE FACILITIES OR CREATE NUISANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING EXISTING OR NEW FACILITIES IF SILTATION OCCURS DUE TO THE CONTRACTOR'S OPERATIONS.
13. FINAL LOCATION OF TRAFFIC SIGNS AND SUPPORTS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
14. DETAILS FOR SIGN SUPPORT FOUNDATIONS SHALL BE IN ACCORDANCE WITH MHD STANDARD DRAWINGS.
15. DAMAGE OF PROPERTY BEYOND THE WORK LIMITS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE, SUBJECT TO THE APPROVAL OF THE ENGINEER.
16. ALL NON-PRECAST CEMENT CONCRETE USED ON THIS PROJECT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20 MPa OR AS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
17. THE CONTRACTOR SHALL DISPOSE OF ALL WASTE MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS AT HIS OWN EXPENSE, OUTSIDE OF THE PROJECT LIMITS.
18. ALL EXISTING CITY OF SALEM AND OTHER PRIVATE UTILITY CASTINGS SUCH AS WATER BOXES, CURB STUBS, MANHOLE FRAMES AND COVERS, CATCH BASIN FRAME AND GRATES AND OTHER CASTINGS SHALL BE ADJUSTED BY THE CONTRACTOR TO LINE AND GRADE AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS OR ON THE CONTRACT PLANS.
19. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL UTILITIES THROUGHOUT THE PROJECT SO THAT THE VARIOUS UTILITY OWNERS HAVE ACCESS TO VAULTS AND MANHOLES TO OPERATE VALVES AND OTHER CONTROLS ON THEIR SYSTEM.
20. THE LOCATIONS OF PROPOSED PIPELINES, STRUCTURES AND UTILITY RELOCATIONS MAY BE MODIFIED TO SUIT FIELD CONDITIONS AT THE DISCRETION OF THE ENGINEER.
21. IF THE CONTRACTOR DAMAGES UTILITY SERVICES, HE SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL IMMEDIATELY REPLACE OR REPAIR.
22. ALL PROPOSED DRAINAGE CONNECTIONS TO EXISTING STRUCTURES WILL BE INCLUDED IN THE COST OF INSTALLATION OF THE NEW PIPE OR STRUCTURE.
23. RIM ELEVATIONS MAY BE SUBJECT TO FIELD ADJUSTMENTS AS DIRECTED BY THE ENGINEER.
24. WHERE WATERLINES, DRAINAGE PIPES OR STRUCTURES ARE ABANDONED IN PLACE, CONTRACTOR SHALL MAKE SURE THAT ALL CONNECTING PIPES, INLETS AND OUTLETS ARE PLUGGED. ALL LIVE CONNECTIONS SHALL BE CONNECTED TO THE NEW SYSTEM.
25. WHEN A PROPOSED CATCH BASIN INTERFERES WITH ANY UNDERGROUND UTILITY, A GUTTER INLET SHALL BE USED.
26. ALL WHEELCHAIR RAMPS SHALL CONFORM TO THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) RULES AND REGULATIONS AND THE AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES.
27. IN ALL LOCATIONS WHERE PROPOSED SIDEWALK TRANSITIONS TO MEET EXISTING GRADE, SIDEWALK OR PAVED AREA, SLOPE SHALL NOT EXCEED 1:12.
28. SAFETY CONTROLS FOR CONSTRUCTION OPERATIONS SHALL BE IN ACCORDANCE WITH MHD REQUIREMENTS, THE MUTCD AND THE SPECIAL PROVISIONS.
29. FOR ADDITIONAL NOTES PERTAINING TO SIGNING AND PAVEMENT MARKINGS SEE THE SIGNING AND PAVEMENT MARKING PLANS.
30. FOR ADDITIONAL NOTES PERTAINING TO TRAFFIC SIGNALS SEE THE TRAFFIC SIGNAL PLANS.
31. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 1 m SHALL BE MAINTAINED AT ALL OBSTRUCTIONS (UTILITY POLES, LIGHT POLES, SIGNS, SIGNAL FOUNDATIONS AND MAST ARMS, MAILBOXES, ALONG DRIVE OPENINGS, ECT.)
32. EXISTING CURB IN GOOD CONDITION SHALL BE RESET. NEW CURB SHALL BE USED ONLY AFTER ALL EXISTING CURB HAS BEEN RESET.