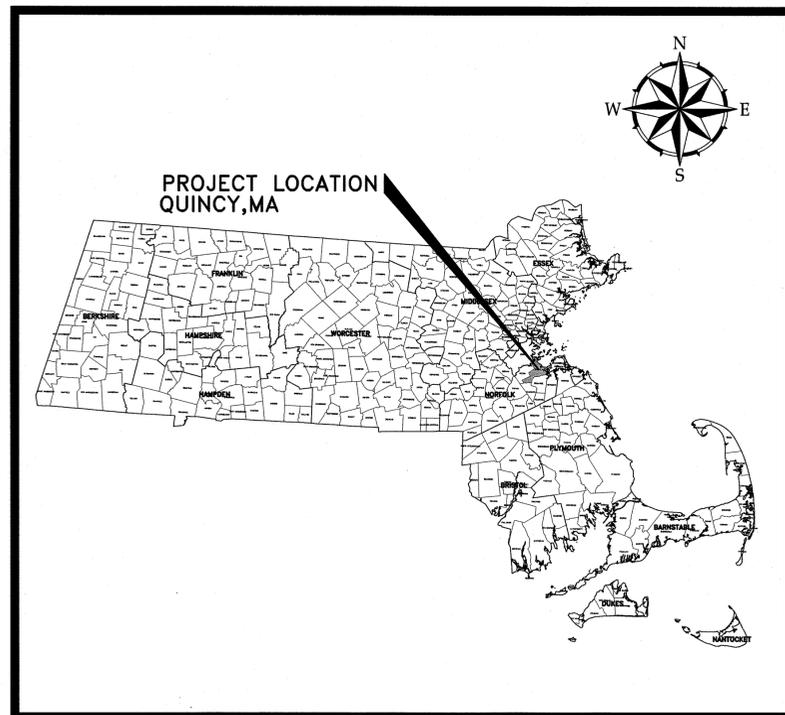


# CITY OF QUINCY, MASSACHUSETTS

## ROSS GARAGE DISPLACED PARKING TEMPORARY FACILITIES



**PROJECT LOCATION MAP**  
NOT TO SCALE

**Mayor:** Thomas P. Koch

**Planning and Community  
Development Director:** James J. Fatseas

**Purchasing Agent:** Kathryn R. Hobin

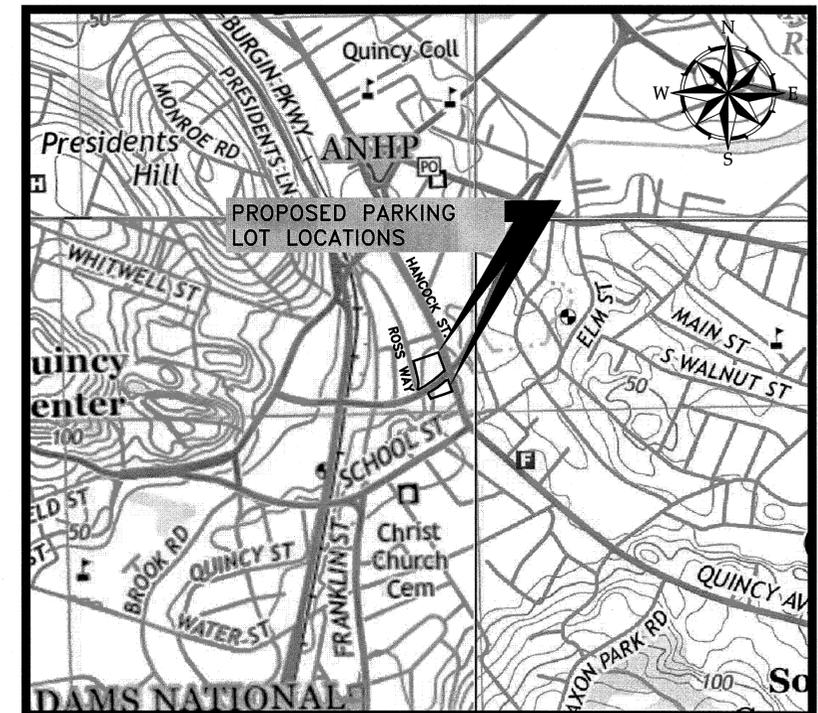


**APRIL 2016**



980 WASHINGTON STREET, SUITE 325  
DEDHAM, MASSACHUSETTS 02026  
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W&C PROJECT NO. 229256



SOURCE: OLIVER: MASSGIS  
**SITE LOCATION MAP**  
NOT TO SCALE



ISSUED FOR BID

GENERAL NOTES

- 1. COMPLY WITH CURRENT MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION CONSTRUCTION STANDARDS AND SPECIFICATIONS AS INDICATED IN THE GENERAL REQUIREMENTS.
2. IMPLEMENT EROSION AND WATER CONTROL MEASURES PER THE GENERAL REQUIREMENTS.
3. SUBMIT TRAFFIC CONTROL PLAN AND IMPLEMENT TRAFFIC CONTROL MEASURES PER GENERAL REQUIREMENTS.
4. IMPLEMENT DAILY MEASURES FOR SAFETY, SECURITY AND PROTECTION OF THE WORK AT THE END OF EACH DAY PER THE GENERAL REQUIREMENTS.
5. STORE MATERIALS WHICH COULD BE A POTENTIAL SOURCE OF STORM WATER POLLUTION SUCH AS GASOLINE, DIESEL FUEL, HYDRAULIC OIL, ETC., IN A STORAGE TRAILER OR COVERED LOCATION OR TAKE OFF-SITE AT THE END OF EACH DAY. LEGALLY DISPOSE OF IN A MANNER CONSISTENT WITH LAWS AND REGULATIONS.
6. REPAIR DAMAGE TO SURFACE FEATURES, SUBSURFACE FEATURES AND SUBSURFACE INFRASTRUCTURE AT NO ADDITIONAL COST TO OWNER. REPLACE PAVEMENT, WALKS, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION WITH MATCHING MATERIALS.
7. SET OR RESET ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION BY A PROFESSIONAL LICENSED SURVEYOR AT NO ADDITIONAL COST TO OWNER.
8. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 4 INCHES LOAM AND SEED.
9. THE LIMITS OF WORK DEPICTED ON THE DRAWINGS REPRESENT THE LIMITS OF SURFACE AND SUBSURFACE DISTURBANCE AND REPLACEMENT OF EXISTING SURFACE FEATURES (SUCH AS PAVEMENTS, SIDEWALKS, CURBING AND PAVEMENT MARKINGS). NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR WORK PERFORMED BEYOND THESE LIMITS. HOWEVER, TEMPORARY USE OF THE PUBLIC RIGHT-OF-WAY OUTSIDE THE LIMIT OF WORK WILL BE ALLOWED FOR LIMITED SPECIFICALLY ALLOWED ACTIVITIES AND CONTRACTOR OPERATIONS.
10. ALL DRAINAGE INLETS WITHIN THE LIMIT OF WORK AND WITHIN 300 FEET DOWN GRADIENT SHALL RECEIVE SILT SACK INLET PROTECTION SEDIMENT CONTROL.

- EXISTING CONDITIONS INFORMATION
1. EXISTING CONDITIONS BASE & PLANS OBTAINED FROM AN AUTOCAD FILE PROVIDED BY STEPHENSON DESIGN GROUP, LLC 111 TREMONT STREET, BRIGHTON, MASS 02135 TEL. 617.512.7095. THIS FILE WAS AMENDED BY WOODARD & CURRAN PERFORMING A BASIC LEVELING OPERATION ON 5/19/2011 AND SUPPLEMENTED BY CITY OF QUINCY GIS INFORMATION ALONG WITH DOWNTOWN REDEVELOPMENT ROSS GARAGE DRAWINGS PREPARED BY WOODARD AND CURRAN ON MAY 2011.
2. HORIZONTAL DATUM USED IS MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD 83).
3. PLANS ARE ON CITY OF QUINCY DATUM. TO CONVERT TO NAVD 88 FROM QUINCY DATUM SUBTRACT 6.6 FEET.

- LAYOUT
1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES OBTAINED FROM ENGINEER AND FIELD VERIFY LOCATION OF PROJECT FEATURES.
3. VERIFY PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY AND VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS. NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
4. COORDINATE WITH THE CITY OF QUINCY'S DPW TO CONDUCT TEST PITS TO VERIFY EXISTING CONDITIONS.
5. VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO MANHOLES AND DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.

- UTILITIES
1. LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES SHOWN ARE AN APPROXIMATE REPRESENTATION ONLY. NEITHER THE OWNER NOR THE ENGINEER HAS INDEPENDENTLY VERIFIED THIS INFORMATION SHOWN ON THE DRAWINGS. UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE DRAWINGS.
2. NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING. NOTIFY OWNERS OF UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION. MAINTAIN WATER, GAS, SEWER, ELECTRIC AND OTHER UTILITIES AT ALL TIMES DURING CONSTRUCTION.
3. VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND CONFIRM THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
4. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, DETERMINE THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY AND FURNISH TO THE ENGINEER FOR THE RESOLUTION OF THE CONFLICT PER THE GENERAL AND SUPPLEMENTARY CONDITIONS.
5. USE CONTROL DENSITY FILL (CDF) BEDDING MATERIAL FOR CONNECTIONS BETWEEN EXISTING AND PROPOSED PIPE AND FOR EXISTING UTILITIES EXPOSED DURING CONSTRUCTION. REFER TO TRENCH AND UTILITY CROSSING DETAILS.
6. SET MANHOLE RIMS, INVERTS OF SEWERS, DRAINS, AND DITCHES TO MATCH EXISTING GRADE UNLESS SPECIFIED BY PLAN OR DIRECTED OTHERWISE BY THE ENGINEER.
7. RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND OTHER SUCH ITEMS, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
C. LANDSCAPE OR LOAM AND SEED AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION.
D. CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS WITHIN PAVED AREA FLUSH WITH PAVEMENT
8. FILL DRAINAGE INFRASTRUCTURE ABANDONED IN PLACE WITH CONTROL DENSITY FILL (CDF).
9. ADJUSTMENTS OF CASTINGS SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.
10. CONTRACTOR SHALL INSTALL CONTROLLED DENSITY FILL (CDF) FOR TRENCHES CONTAINING PIPES WITH LESS THAN THREE FEET (3') OF COVER WITHIN PAVED AREAS.

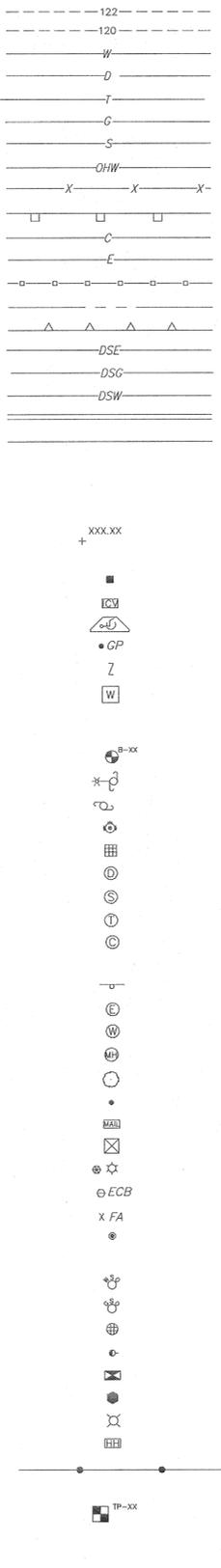
- DEMOLITION
1. REMOVE AND DISPOSE OF EXISTING DRAINAGE MANHOLES, INTERNAL CLEANINGS, PIPE, AND FITTINGS AND ALL DEBRIS AS SHOWN ON DRAWINGS UNLESS OTHERWISE INDICATED.
2. DELIVER DRAINAGE STRUCTURE FRAMES, GRATES AND COVERS REMOVED TO THE QUINCY DPW YARD AS DIRECTED BY THE ENGINEER.
3. LEGALLY DISPOSE OF EXISTING DEBRIS PER LAWS AND REGULATIONS.
4. IF SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION BASED ON VISUAL, ODOR, OR OTHER EVIDENCE, STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL AND COMPLY WITH THE REQUIREMENTS SET FORTH IN THE GENERAL AND SUPPLEMENTARY CONDITIONS.

ABBREVIATIONS

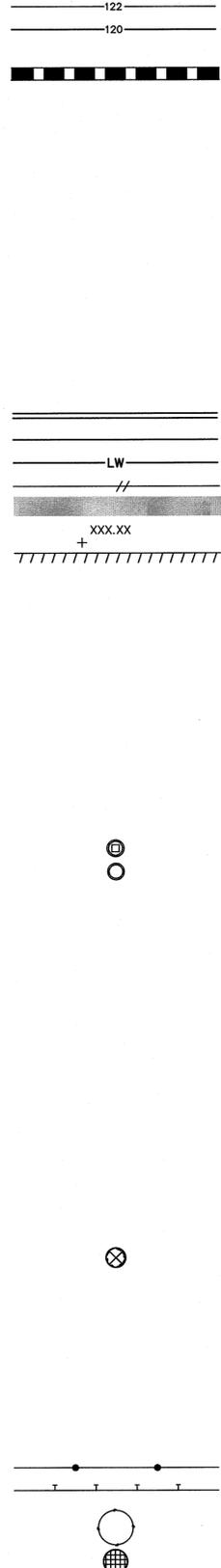
Table listing abbreviations and their corresponding full names, such as ACI (AMERICAN CONCRETE INSTITUTE), ADJ. (ADJUST), ALUM. (ALUMINUM), APPROX. (APPROXIMATE), ASTM (AMERICAN SOCIETY OF TESTING MATERIALS), etc.

LEGEND

EXISTING



PROPOSED



SHEET INDEX table with columns for Sheet Title and Sheet Description, listing sheets C-000 through C-403.

WOODARD & CURRAN logo and contact information: 980 Washington Street, Suite 325, Dedham, Massachusetts 02026, 800.446.5516 | www.woodardcurran.com



Revision table with columns for REV, DESCRIPTION, DATE, and checkboxes for DESIGNED BY, CHECKED BY, DRAWN BY.

GENERAL NOTES, ABBREVIATIONS, LEGEND & SHEET INDEX

CITY OF QUINCY, MASSACHUSETTS DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT, 34 CODDINGTON STREET, QUINCY, MA 02169

JOB NO.: 229256, DATE: APRIL 2016, SCALE: NOT TO SCALE, SHEET: 2 OF 10

C-001

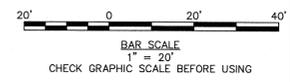
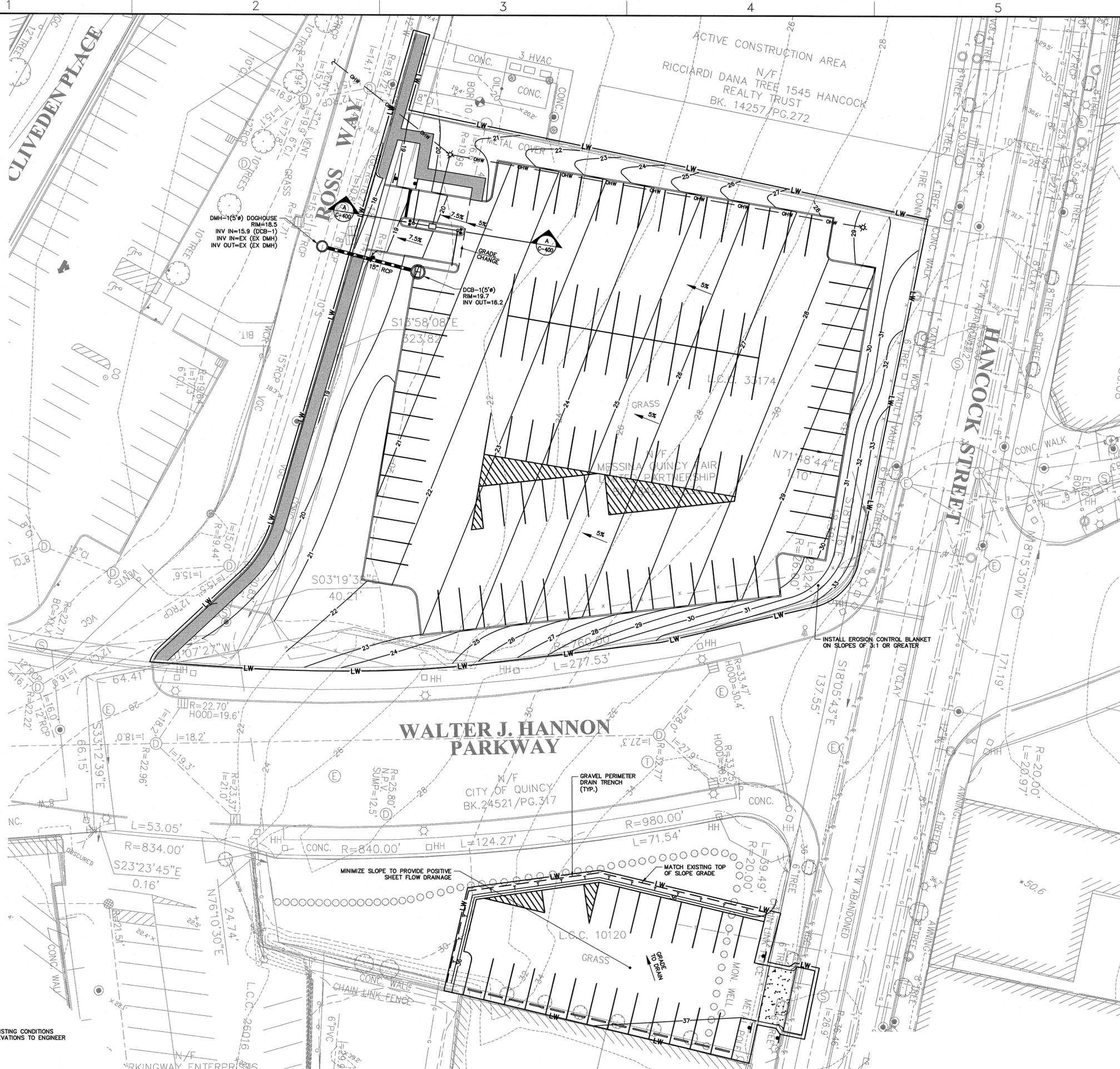
ISSUED FOR BID

W:\229256 Quincy MA - Ross Garage Demolition\wp\Displaced Parking Temporary Facilities Design\Drawings\Current\229256\_C000.dwg, Apr 05, 2016 - 12:56pm







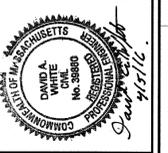


NOTE:  
1. CONTRACTOR TO VERIFY EXISTING CONDITIONS ELEVATIONS & PROVIDE ELEVATIONS TO ENGINEER PRIOR TO CONSTRUCTION.

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| REV | DESCRIPTION | DATE |
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|     |             |      |

CHECKED BY: RD  
DESIGNED BY: PN/AM  
DRAWN BY: PN/AM  
229256 C300.dwg

**GRADING AND DRAINAGE PLAN**

CITY OF QUINCY, MASSACHUSETTS  
DEPARTMENT OF PLANNING AND  
COMMUNITY DEVELOPMENT  
34 CODDINGTON STREET  
QUINCY, MA 02169

ROSS GARAGE DISPLACED  
PARKING TEMPORARY FACILITIES

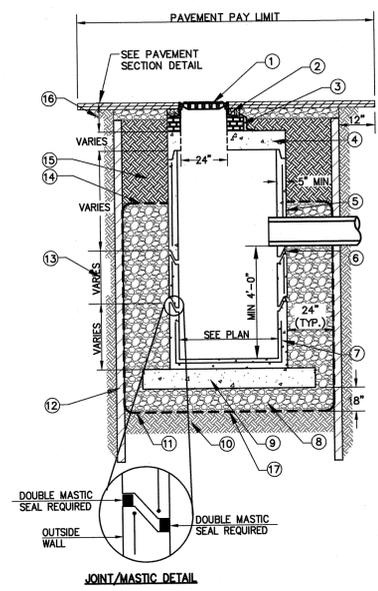
JOB NO.: 229256  
DATE: APRIL 2016  
SCALE: 1" = 20'  
SHEET: 6 OF 10

**C-300**

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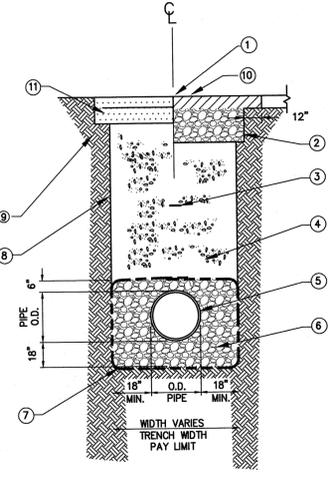






- 1 CAST IRON FRAME AND GRATE (3 FLANGE WHEN ADJACENT TO CURB)
- 2 FRAME TO BE SET IN A CONCRETE COLLAR
- 3 ADJUST TO GRADE WITH BRICK MIN 1 COURSE, MAY 3 COURSES OR CONCRETE GRADING RINGS. ALL BRICK TO BE LAID AS HEADERS
- 4 TOP SLAB 8" MIN. OR ECCENTRIC CONE SECTION
- 5 PRECAST REINFORCED CONCRETE MANHOLE TOP SECTION
- 6 PRE-MOLDED JOINT FILLER OR BIT. MASTIC SEAL
- 7 PRECAST CONCRETE BOTTOM SECTION WITH PIPE OPENINGS PROVIDED AS REQUIRED
- 8 COMPACTED 3/4" CRUSHED STONE
- 9 ANTI-FLOATATION SLAB
- 10 COMPACTED SUBGRADE OR SUITABLE BACKFILL
- 11 WRAP BEDDING IN STABILIZATION FABRIC. STABILIZATION FABRIC MAY BE OMITTED, AS DIRECTED BY ENGINEER, IN INSTANCE WHERE EXISTING SOILS AT THE TRENCH BOTTOM AND SIDEWALLS ARE SUITABLE GRANULAR MATERIAL.
- 12 SUPPORT EXCAVATION (CONTRACTOR DESIGNED)
- 13 PRECAST REINFORCED CONCRETE BARREL SECTION.
- 14 COMPACTED 3/4" CRUSHED STONE TO EXTEND 6" ABOVE TOP OF PIPE
- 15 COMPACTED SUITABLE BACKFILL MATERIAL.
- 16 EXCAVATION PAY LIMIT

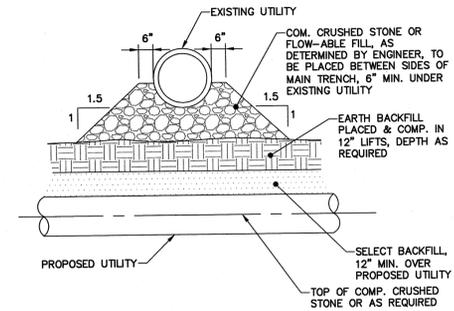
**PRECAST CONCRETE CATCH BASIN**  
NOT TO SCALE



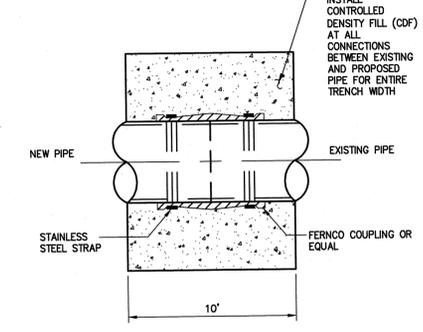
- 1 SEE ROADWAY/SIDEWALK RECONSTRUCTION DETAIL
- 2 EXCAVATION PAY LIMIT
- 3 WARNING TAPE CENTERED ON PIPE 18"-24" ABOVE PIPE
- 4 COMPACTED SUITABLE BACKFILL MATERIAL AS DIRECTED BY ENGINEER
- 5 PIPE SIZES AS SHOWN ON PLANS
- 6 3/4" COMPACTED CRUSHED STONE
- 7 STABILIZATION FABRIC (SEE NOTE 5)
- 8 SUPPORT OF EXCAVATION (CONTRACTOR DESIGNED AS NEEDED)
- 9 EXISTING UNDISTURBED MATERIAL
- 10 SAWCUT AND TACK COAT (TYP.), PAVEMENT PAY LIMIT
- 11 LOAM AND SEED, AS SPECIFIED

| TRENCH WIDTHS (a)  |                     |
|--------------------|---------------------|
| PIPE SIZE (INCHES) | MAX. (ONE PIPE) (b) |
| 6"                 | 4.0'                |
| 8"                 | 4.0'                |
| 10"                | 4.0'                |
| 12"                | 4.0'                |
| 15"                | 4.0'                |
| 18"                | 5.0'                |
| 24"                | 5.5'                |
| 30"                | 6.0'                |
| 36"                | 7.0'                |
| 42"                | 7.5'                |
| 48"                | 8.0'                |
| 60"                | 10.0'               |

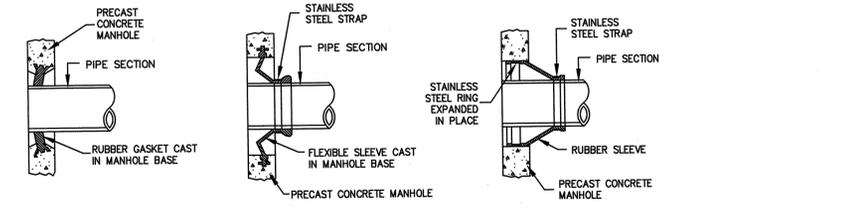
**TRENCH DETAIL**  
NOT TO SCALE



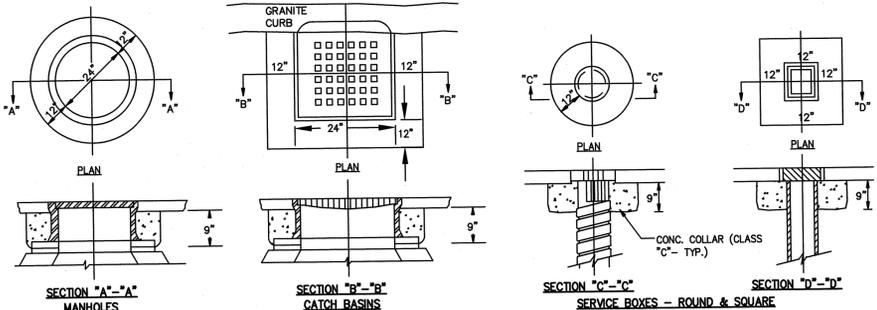
**UTILITY CROSSING**  
NOT TO SCALE



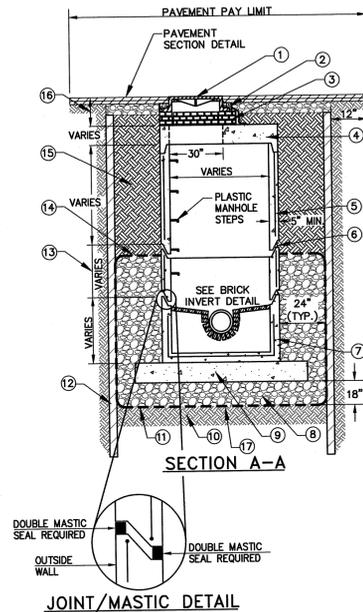
**NEW PIPE TO EXISTING PIPE CONNECTION DETAIL**  
NOT TO SCALE



**MANHOLE SEAL DETAILS**  
NOT TO SCALE  
SOURCE: CITY OF QUINCY

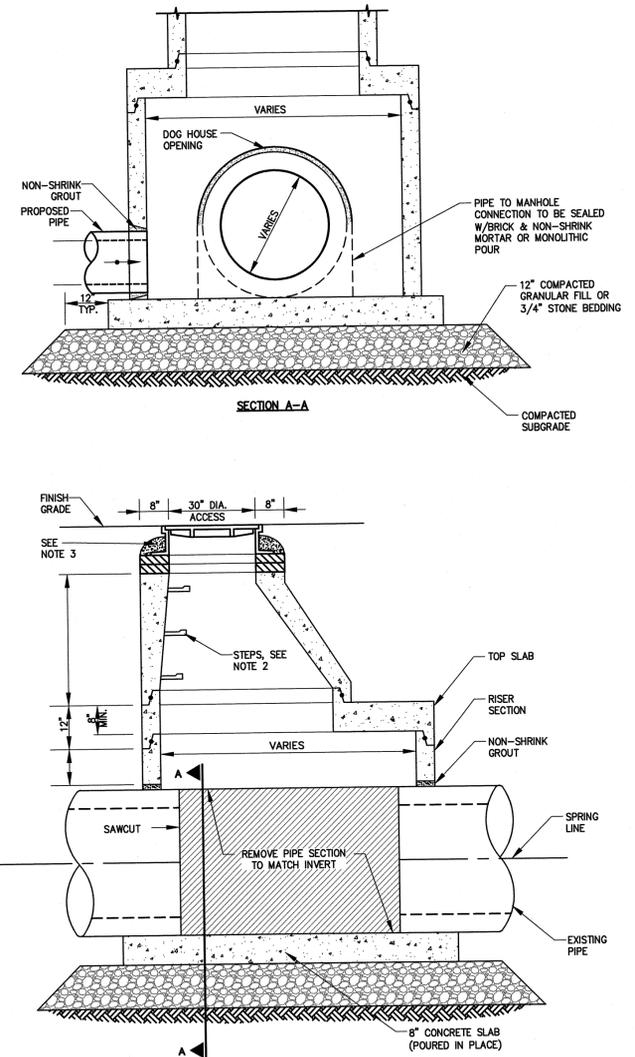


**CONCRETE COLLARS**  
NOT TO SCALE  
SOURCE: CITY OF QUINCY



- 1 CAST IRON MANHOLE FRAME AND COVER WITH 30" CLEAR OPENING (SEE SPECIFICATION FOR TYPE)
- 2 FRAME TO BE SET IN A CONCRETE COLLAR
- 3 ADJUST TO GRADE WITH BRICK
- 4 TOP SLAB 8" OR ECCENTRIC CONE SECTION
- 5 PRECAST REINFORCED CONCRETE MANHOLE TOP SECTION
- 6 ALL SECTION SHALL RECEIVE BUTYL RUBBER JOINT SEALANT.
- 7 PRECAST CONCRETE BOTTOM SECTION WITH PIPE OPENINGS PROVIDED AS REQUIRED
- 8 COMPACTED 3/4" CRUSHED STONE
- 9 ANTI-FLOATATION SLAB
- 10 COMPACTED SUBGRADE OR SUITABLE BACKFILL
- 11 WRAP BEDDING IN STABILIZATION FABRIC. STABILIZATION FABRIC MAY BE OMITTED, AS DIRECTED BY ENGINEER, IN INSTANCE WHERE EXISTING SOILS AT THE TRENCH BOTTOM AND SIDEWALLS ARE SUITABLE GRANULAR MATERIAL.
- 12 SUPPORT EXCAVATION (CONTRACTOR DESIGNED)
- 13 PRECAST REINFORCED CONCRETE BARREL SECTION
- 14 COMPACTED 3/4" CRUSHED STONE TO EXTEND TO 6" ABOVE TOP OF PIPE
- 15 COMPACTED SUITABLE BACKFILL MATERIAL
- 16 EXCAVATION PAY LIMIT

**PRECAST CONCRETE MANHOLE**  
NOT TO SCALE



- NOTES:
1. ALL SECTIONS SHALL BE DESIGNED FOR H-20 LOADING.
  2. STEEL REINFORCED POLYPROPYLENE MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
  3. CAST IRON MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED, ADJUST TO GRADE WITH CLAY BRICK AND MORTAR OR PRECAST CONCRETE RINGS. MAXIMUM 8" ADJUSTMENT.

**DOGHOUSE MANHOLE**  
NOT TO SCALE

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COMMONWEALTH OF MASSACHUSETTS  
DAVID A. WHITE  
No. 39880  
Professional Seal

| REV | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |

CHECKED BY: RD  
DESIGNED BY: PM/WM  
DRAWN BY: PM/WM

CIVIL DETAILS 3

CITY OF QUINCY, MASSACHUSETTS  
DEPARTMENT OF PLANNING AND  
COMMUNITY DEVELOPMENT  
34 CODDINGTON STREET  
QUINCY, MA 02169

JOB NO.: 229256  
DATE: APRIL 2016  
SCALE: AS NOTED  
SHEET: 9 OF 10

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C-402

