LIMIT OF WORK - PHASE I
BEGIN ROADWAY RECONSTRUCTION
MERRYMOUNT PARKWAY STA 0+30.00

LIMIT OF WORK - PHASE I
END ROADWAY RECONSTRUCTION
VIETNAM VETERANS DRIVE STA 101+00.00

LIMIT OF WORK - PHASE I
END ROADWAY RECONSTRUCTION
MERRYMOUNT PARKWAY STA 22+50.00

HANCOCK STREET STA 1+50.00
MERRYMOUNT PARKWAY STA 0+00.00
1.50%* = TOLERANCE FOR CONSTRUCTION ±0.5% ON SIDEWALK SLOPES, DRIVEWAY SLOPES AND WHEELCHAIR RAMPS.

SURFACE AND 0.05 GAL/SY OVER SMOOTH SURFACES PRIOR TO PAVING OVERLAY.

SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.

APPROXIMATE/REPRESENTATIVE OF THE MOST TYPICAL SECTION IN ITS RESPECTIVE AREA.

THE STATIONS, DIMENSIONS, SURFACE MATERIAL, ETC. SHOWN IN THE SECTIONS ABOVE ARE MATCH EXISTING GRADE

W/ STONE VENEER AND FENCE (SEE CIVIL PLANS)

4" LOAM AND (±4.5' MAX)

SEED (TYP)

1.00' SHOULDER

VERTICAL GRANITE CURB, TYPE VA4

TRAVEL LANE

8.00' CCW

SUB-BASE COURSE, TYPE B (TYP)

VERTICAL GRANITE CURB, TYPE VA4

BICYCLE LANE

6" (TYP)

1.00' BUFFER

SUBGRADE (TYP)

8.00'

1.00' SHOULDER

TRAVEL LANE

11.00'

BICYCLE LANE

6" (TYP)

1.00' BUFFER

11+47

6+52

1+94

0+30

5.00'

MERRYMOUNT PARKWAY

FULL DEPTH RECONSTRUCTION

PROJECT NO: Q-0019-002D-C-DSGN.DWG

ISSUED FOR BID

AS SHOWN

July 14, 2020

DATE

Konrad L. Gromocki, R.P.L.

NSC

Quincy, MA

City of Quincy

CONSTRUCTION DRAWINGS

Merrymount Parkway

Reconstruction

Phase I

TYPICAL SECTIONS - 1

SHEET 4
4" CEMENT CONCRETE SIDEWALK

1.50%* CONSTRUCTION BASELINE

2.00% 1.50%*

2:1 SLOPE (MAX)

2.00% 1.50%*

4" LOAM AND SEED (TYP)

* = TOLERANCE FOR CONSTRUCTION ±0.5% ON SIDEWALK SLOPES, DRIVEWAY SLOPES AND WHEELCHAIR RAMPS.

MERRYMOUNT PARKWAY

Full Depth Reconstruction

STA 14+00 TO STA 17+17

Not To Scale

MATCH EXISTING GRADE

4" LOAM AND SEED (TYP)

MERRYMOUNT PARKWAY

Full Depth Reconstruction

STA 17+17 TO STA 20+25

Not To Scale

MATCH EXISTING GRADE

4" LOAM AND SEED (TYP)

1.50%* 6.00' CCW

1.75" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC-12.5)

MERRYMOUNT PARKWAY

Full Depth Reconstruction

STA 20+25 TO STA 22+25

Not To Scale

MATCH EXISTING GRADE

4" LOAM AND SEED (TYP)

1.50%* 6.00' CCW

1.75" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5)

TRAVEL LANE

VARIES (2.00-5.00%)

8.00' (TYP)

11.50' (TYP)

PARKING LANE

VARIES (2.00-3.00%)

5.00' (TYP)

11.00' (TYP)

BICYCLE LANE

VARIES 6-10'± CCW

6.00' CCW

6.00' CCW

BICYCLE LANE

VARIES 6-8'± CCW

6.00' CCW

6.00' CCW

BICYCLE LANE

VARIES 6-12'± CCW

6.00' CCW

6.00' CCW

SUB-BASE COURSE, TYPE B

4" DENSE GRADED CRUSHED STONE BASE COURSE

MILL AND 2" SUPERPAVE SURFACE COURSE - 9.5 (SCC-9.5) OVERLAY

DOUBLE STACK VERTICAL GRANITE CURB W/ 8" REVEL AND 8" WIDE

1.00' BUFFER

1.00' BUFFER

1.67' (TYP)

1.67' (TYP)

FULL DEPTH RECONSTRUCTION STA

MERRYMOUNT PARKWAY

City of Quincy

Quincy, MA
NOTES:

1. SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.
2. ADJUST ALL UTILITIES TO FINISHED GRADE. COORDINATE WITH THE APPROPRIATE UTILITY COMPANY AND/OR THE CITY OF QUINCY. SEE GENERAL NOTES ON SHEET 2 FOR MORE INFORMATION.
3. REMOVE ABANDONED UTILITIES AS REQUIRED. COORDINATE WITH APPROPRIATE UTILITY COMPANY AND/OR THE CITY OF QUINCY.
4. INSTALL EROSION CONTROL DEVICES AS SHOWN ON DRAWINGS.
5. CONTRACTOR SHALL REMOVE CONCRETE SIDEWALK TO NEAREST EXPANSION JOINT AND DOWEL PROPOSED SIDEWALK INTO EXISTING WALK.
6. CONTRACTOR SHALL VERIFY DEPTH OF EXISTING ELECTRICAL DUCT BANKS PER TEST PITS PRIOR TO THE START OF CONSTRUCTION. COORDINATE WITH NATIONAL GRID AND THE CITY OF QUINCY.
7. CONTRACTOR SHALL REMOVE AND STORE ALL EQUIPMENT AND FOUNDATION FOR THE EXISTING RRFB'S AND RESET IN PROPOSED LOCATIONS AS SHOWN ON DRAWINGS.
8. ABANDONED PIPES SHALL BE FILLED WITH EXCAVATABLE FLOWABLE FILL.
9. REMOVE AND STACK EXISTING POLE AND 'BUS STOP' SIGN. RETAIN EXISTING 'ONE MERRYMOUNT PARKWAY' SIGNS AND RESET ON NEW RELOCATED POLE (SEE SHEET 40).
NOTES:
1. REMOVE AND STACK EXISTING POLE AND 'BUS STOP' SIGN. RETAIN EXISTING 'ONE WAY' SIGNS AND RESET IN PROPOSED LOCATIONS AS SHOWN ON DRAWINGS.
2. INSTALL EROSION CONTROL DEVICES AS SHOWN ON DRAWINGS.
3. CONTRACTOR SHALL REMOVE AND STORE ALL EQUIPMENT AND FOUNDATION FOR THE EXISTING UTILITY POLE RISER SERVICES.
4. CONTRACTOR SHALL REMOVE CONCRETE SIDEWALK TO NEAREST EXPANSION JOINT AND DOWEL AS REQUIRED. COORDINATE WITH APPROPRIATE UTILITY COMPANY TO DETERMINE IF THE OVERALL CONDITION OF EXISTING DRAIN MANHOLE #255 IS SUFFICIENT ENOUGH TO MAINTAIN. A NEW DRAIN MANHOLE SHALL BE INSTALLED IF THE EXISTING MANHOLE IS INADEQUATE. DETERMINE IF THE OVERALL CONDITION OF EXISTING DRAIN MANHOLE IS INADEQUATE.
5. REMOVE ABANDONED UTILITIES AS REQUIRED. COORDINATE WITH APPROPRIATE UTILITY COMPANY AND/OR THE CITY OF QUINCY. SEE GENERAL NOTES ON SHEET 2 FOR MORE INFORMATION.
6. CONTRACTOR SHALL VERIFY DEPTH OF EXISTING ELECTRICAL DUCT BANKS PER TEST PITS PRIOR TO CONSTRUCTION. COORDINATE WITH NATIONAL GRID AND THE CITY OF QUINCY.
7. THE CONTRACTOR SHALL VERIFY LIMITS OF SIDEWALK PRIOR TO CONSTRUCTION. COORDINATE WITH THE APPROPRIATE UTILITY COMPANY.
8. VERIFY LIMITS OF EXISTING ASPHALT CURB TO BE REMOVED (BO).
9. VERIFY LIMITS OF EXISTING ASPHALT CURB TO BE REMOVED (BO).
NOTES:

7. REMOVE AND STACK EXISTING POLE AND 'BUS STOP' SIGN. RETAIN EXISTING 'ONE MERRYMOUNT RRFB'S AND RESET IN PROPOSED LOCATIONS AS SHOWN ON DRAWINGS.

8. REMOVE ABANDONED UTILITIES AS REQUIRED. COORDINATE WITH APPROPRIATE UTILITY COMPANY

TO THE START OF CONSTRUCTION. COORDINATE WITH NATIONAL GRID AND THE CITY OF QUINCY.

**CONSTRUCTION DRAWINGS**

Merrymount Parkway Reconstruction Phase I

City of Quincy

Quincy, MA

**EXISTING CONDITIONS & DEMOLITION PLAN - 4**

**CONTRACTOR:**

**DATE:**

July 14, 2020

**FILE:**

Q0019-002D

**DESCRIPTION:**

As Shown

**DRAWINGS:**

July 14, 2020

**REVIEWED BY:**

JPL

**CHECKED BY:**

NSC
1. REMOVE AND STACK EXISTING POLE AND 'BUS STOP' SIGN. RETAIN EXISTING 'ONE MERRYMOUNT RRFB'S AND RESET IN PROPOSED LOCATIONS AS SHOWN ON DRAWINGS.

PROPOSED SIDEWALK INTO EXISTING WALK.

REMOVE ABANDONED UTILITIES AS REQUIRED. COORDINATE WITH APPROPRIATE UTILITY COMPANY AND/OR THE CITY OF QUINCY. SEE GENERAL NOTES ON SHEET 2 FOR MORE INFORMATION.

THE CONTRACTOR SHALL VERIFY DEPTH OF EXISTING ELECTRICAL DUCT BANKS PER TEST PITS PRIOR ADJ.

2. ELECTRIC TO BE OVERHEAD

R&D

O ELECTRICAL DUCT BANK (TYP OF 2)

O FILTER TUBE (DOUBLE LAYERED)

O PROPOSED LANDSCAPED ISLAND

3. GAS LINE TO BE RELOCATED AS REQUIRED FOR CONSTRUCTION OF PROPOSED SIDEWALK INTO EXISTING WALK. SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.

PROPOSED LANDSCAPED ISLAND

GAS LINE TO BE RELOCATED AS REQUIRED FOR CONSTRUCTION OF PROPOSED SIDEWALK INTO EXISTING WALK. SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.

4. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)

5. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)

6. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)

7. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)

8. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)

9. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)

10. MWRA SEWER FORCE MAIN

TP-107

TP-108

TP-109

R&D

O (COORD W/ NATIONAL GRID GAS)
Merrymount Parkway Reconstruction Phase I
City of Quincy
Quincy, MA

NOTES:
1. SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.
2. VERTICAL CURB CLIPS SHALL BE INSTALLED AT ALL INTERSECTIONS.
3. PROP 10' WIDE CONCRETE SIDEWALK BETWEEN ISLANDS W/ DETECTABLE WARNING PANELS.
4. CONTRACTOR SHALL REMOVE CONCRETE SIDEWALK TO NEAREST EXPANSION JOINT AND DOWEL PROPOSED SIDEWALK INTO EXISTING WALK.
5. SEE LANDSCAPE PLANS FOR MORE INFORMATION.

LIMIT OF WORK - PHASE I
BEGIN MILL & OVERLAY STA 0+30.00
EXISTING SIGNALIZED INTERSECTION RETAIN EXISTING TRAFFIC SIGNAL HARDWARE INCLUDING LOOP DETECTORS, LEADING CABLES, HANDHOLES, ETC.

BEGIN 6" VGC (MATCH EXISTING)
AREA OF FULL DEPTH PAVEMENT RECONSTRUCTION (TYP)
STA 0+75.00
END MILL & OVERLAY BEGIN FULL DEPTH RECONSTRUCTION

LEGEND
PROPOSED FULL DEPTH PAVEMENT SECTION
EXISTING CONCRETE SIDEWALK
PROPOSED CONCRETE SIDEWALK
EXISTING BRICK WALK/AREA
PROPOSED BRICK PAVER TRUCK APRON
PROPOSED LANDSCAPE AREA (COORD W/ LANDSCAPE PLANS)

LIGHTING SCHEDULE
SYMBOL QUANTITY LABEL DESCRIPTION MANUFACTURER CATALOG No. (LED FIXTURES)
DC 26 SINGLE STREET LIGHTS CLAVERN AVE 1A-1940LEDSV1-678HPM-5218ETFP6/4/.188-PCC-8ARC35T3-MDL03-EZ-BKT-FDRB
DC 26 DOUBLE STREET LIGHTS CLAVERN AVE 2A-1940LEDSV1-678HPM-5218ETFP6/4/.188-PCC-8ARC35T3-MDL03-EZ-BKT-FDRB
DC 26 LIGHT POLE BARRINGTON 5218ETFP6/4/.188-PCC-678HPM-EZ-BKT-FDRB

NOTE:
1. LIGHTING LAYOUT BASED ON PHOTOMETRICS PLAN PROVIDED BY OMNI-LITE, INC. ON JUNE 15, 2020.
2. INDICATES CIRCUITRY DESIGNATION. SEE ELECTRICAL DETAILS ON SHEET 36.
NOTES:
1. LIGHTING LAYOUT BASED ON PHOTOMETRICS PLAN PROVIDED BY OMNI-LITE, INC. ON JUNE 15, 2020.
2. SEE LANDSCAPE PLANS FOR MORE INFORMATION.
3. CONTRACTOR SHALL REMOVE CONCRETE SIDEWALK TO NEAREST EXPANSION CHAIR RAMP ENTRANCES AS SHOWN ON THE PLANS OR FOR A MINIMUM OF 5 FEET.
4. WHEEL CHAIR RAMPS SHALL HAVE DETECTABLE WARNING PANELS PER E.107.6.5R.
5. VERTICAL GRANITE CURB SHALL BE SET FLUSH WITH THE ROADWAY AT ALL WHEEL CHAIR RAMPS.
6. SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.
7. SHEET 1 FOR ELECTRICAL DETAILS (COORD W/ NATIONAL GRID).
8. SHEET 13 FOR LANDSCAPE AREA (MATCH EXISTING).
9. SHEET 17 & 36 FOR RELOCATED MEMORIAL PLAQUE AND FOUNDATION (SEE SPECIAL NOTE).
NOTES:
1. LIGHTING LAYOUT BASED ON PHOTOMETRICS PLAN PROVIDED BY OMNI-LITE, INC. ON JUNE 15, 2020.
2. INDICATES CIRCUITRY DESIGNATION. SEE ELECTRICAL DETAILS ON SHEET 36.
3. VERTICAL GRANITE CURB SHALL BE SET FLUSH WITH THE ROADWAY AT ALL WHEEL CHAIR RAMP ENTRANCES AS SHOWN ON THE PLANS OR FOR A MINIMUM OF 5 FEET.
4. WHEEL CHAIR RAMPS SHALL HAVE DETECTABLE WARNING PANELS PER E.107.6.5R.
5. CONTRACTOR SHALL REMOVE CONCRETE SIDEWALK TO NEAREST EXPANSION JOINT AND SOURCE PROPOSED SIDEWALK INTO EXISTING WALK.
6. SEE LANDSCAPE PLANS FOR MORE INFORMATION.

LEGEND
- PROPOSED FULL DEPTH PAVEMENT SECTION
- PROPOSED PAVEMENT MILL & OVERLAY
- EXISTING CEMENT CONCRETE WALK
- PROPOSED CONCRETE CEMENT WALK (CCW)
- PROPOSED HOT MIX ASPHALT (HMA) WALK
- EXISTING BRICK WALK/AREA
- PROPOSED BRICK Pavers TRUCK APRON
- PROPOSED LANDSCAPE AREA (COORD W/ LANDSCAPE PLANS)
- PROPOSED LUMINAIRE COLLAR, SPOUT, NOZZLE & BRACKET
- PROPOSED LUMINAIRE LINES
- LUMINAIRE SCHEDULE
- LUMINAIRE MANUFACTURER
- LUMINAIRE MANUFACTURER CATALOG No.
- LUMINAIRE MANUFACTURER LAMP DATA
- LUMINAIRE MANUFACTURER MANUFACTURER
- LUMINAIRE MANUFACTURER WATTS
- LUMINAIRE MANUFACTURER VOLT

SYMBOL
- LUMINAIRE SCHEDULE
- LUMINAIRE MANUFACTURER
- LUMINAIRE MANUFACTURER CATALOG No.
- LUMINAIRE MANUFACTURER LAMP DATA
- LUMINAIRE MANUFACTURER MANUFACTURER
- LUMINAIRE MANUFACTURER WATTS
- LUMINAIRE MANUFACTURER VOLT

SHEET 13
CONSTRUCTION DRAWINGS
Merrymount Parkway Reconstruction Phase I
City of Quincy
Quincy, MA

CONSTRUCTION PLAN - 3

SCALE 1"=100' AS SHOWN
NOTES:

1. LIGHTING LAYOUT BASED ON PHOTOMETRICS PLAN PROVIDED BY OMNI-LITE, INC. ON JUNE 15, 2020.
2. INDICATES CIRCUITRY DESIGNATION. SEE ELECTRICAL DETAILS ON SHEET 8.
3. SEE LANDSCAPE PLANS FOR MORE INFORMATION.
4. SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.
5. CONTRACTOR SHALL REMOVE CONCRETE SIDEWALK TO NEAREST EXPANSION CHAIR RAMP ENTRANCES AS SHOWN ON THE PLANS OR FOR A MINIMUM OF 5 FEET.
6. WHEEL CHAIR RAMPS SHALL HAVE DETECTABLE WARNING PANELS PER E.107.6.5R.
7. JOINT AND DOWEL PROPOSED SIDEWALK INTO EXISTING WALK.
8. VERTICAL GRANITE CURB SHALL BE SET FLUSH WITH THE ROADWAY AT ALL WHEEL CHAIR RAMP ENTRANCES.
10. PROPOSED BRICK PAVER TRUCK APRON W/ 6" MOUNTABLE GRANITE CURB (TYP)
11. END MILL & OVERLAY AREA OF FULL DEPTH PAVEMENT RECONSTRUCTION (TYP).
12. PROPOSED CEMENT CONCRETE WALK (CCW) (COORD W/ LANDSCAPE PLANS)
13. PROPOSED HOT MIX ASPHALT (HMA) WALK (COORD W/ LANDSCAPE PLANS)
14. PROPOSED REDUCED W/GRADE CURB (TYP) (COORD W/ LANDSCAPE PLANS)
15. PROPOSED FULL DEPTH PAVEMENT SECTION (COORD W/ LANDSCAPE PLANS)
16. PROPOSED CEMENTED STONE (COORD W/ LANDSCAPE PLANS)
17. PROP 6' WIDE CEMENT CONCRETE WALK
18. PROP 6" VGC (MATCH EXISTING)
CONSTRUCTION DRAWINGS
Merrymount Parkway Reconstruction Phase I
City of Quincy, MA
Quincy, MA

1. Coordinate proposed utility installation and design in accordance with existing conditions & demolition plans for bench mark lane to maximum extent practicable.

2. See existing conditions & demolition plans for existing drainage systems. The City of Quincy and the Utility Companies as required.

3. Cascade type grates shall be used for catch basins within bicycle lane. This scope of work is to be revised shall be revised by others.

4. Any existing manholes shall be removed from the right of way so as to be incorporated into the new pavement. New manholes shall be installed as required.

5. See inset for legend, notes and abbreviations.

Storm Sewer Structure Table

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Storm Sewer Protection

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Lighting Consents Schedule

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Utilities & Grading

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</table>
1. ASSESS ALL STRUCTURES TO TERMINUS CENTER. WHERE ABSURD, NOTES ON SHEET 2 FOR MORE INFORMATION.
2. ALL UTILITY POLES TO BE REMOVED SHALL BE REMOVED BY OTHERS.
3. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANY GUIDANCE. ON-GOING FIELD INSPECTIONS WILL BE PERFORMED BY RESPECTIVE UTILITY COMPANIES AND SYSTEMS WILL BE TURNED OVER AT THE COMPLETION OF THE PROJECT.
4. THE UNIVERSITY OPERATIONS CENTER (UOC) AND FIRE ALARM DUCT BANK SHALL BE INSTALLED WITH THE UNIVERSITY DUCT BANK AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. A CROWN LIGHTING DECK AND A CURB LATERAL WITHIN THE MATERIAL USED CONDUCT ALONG MERRIMOUNT PARKWAY.
5. MATCH GRADES @ CURB LINE (COORD W/ UTILITY COMPANIES)
6. ALL UTILITY POLES TO BE REMOVED SHALL BE REMOVED BY OTHERS.
7. SEE THE SITE, CURB TIE, PAVEMENT MARKING AND LANDSCAPE PLANS FOR ADDITIONAL DETAILS.
8. IF DUMPED FILL IS TO BE USED FOR ENSUING, DETAILS.
9. GROUNDWORK FOR CATCH BASINS SHALL BE EXECUTED OUTSIDE THE LIMITS OF THE URBAN LINE TO MAINTAIN SEWER FUNCTIONALITY.
10. COORDINATE PROPOSED UTILITY INSTALLATION AND DESIGN IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS. PROPOSED NATIONAL GRID, VERIZON AND COMCAST UTILITIES ARE SCHEMATICALLY DESIGNED, AS SHOWN, AND ARE SUBJECT TO ALTERATIONS BASED ON RESPECTIVE UTILITY COMPANY GUIDANCE. ON-GOING FIELD INSPECTIONS WILL BE PERFORMED BY RESPECTIVE UTILITY COMPANIES AND SYSTEMS WILL BE TURNED OVER AT THE COMPLETION OF THE PROJECT.
11. NATIONAL GRID, VERIZON AND COMCAST DUCT BANKS SHALL BE CONCRETE ENCASED SCHEDULE 40 PVC.
NOTES:

1. THE EXISTING UTILITIES SHOWN IN THE PROFILE ARE APPROXIMATE AND THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

2. THE EXISTING ELECTRIC DUCT IS NOT SHOWN IN THE PROFILE AS EXACT LOCATIONS AND DEPTHS HAVE NOT BEEN VERIFIED.

3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF QUINCY AS REQUIRED FOR OBTAINING AS-BUILT INFORMATION.

MERRYMOUNT PARKWAY PROFILE - PHASE I
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MERRYMOUNT PARKWAY PROFILE - PHASE I

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SCALE: AS SHOWN

CONSTRUCTION DRAWINGS
Merrymount Parkway Reconstruction Phase I
City of Quincy
Quincy, MA
NOTES:
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## NOTES:

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### MCCOY AND VETERANS STADIUM PARKING LOT PROFILE - PHASE I

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### CONNECT TO PDMH 14 MERRYMOUNT PARKWAY STA 14+93.51 (SEE UTILITIES & GRADING PLANS)

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### PROPOSED 4" PERF UNDERDRAIN W/ NON-WOVEN GEOTEXTILE FABRIC

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### HIGH PT STA 100+75 ELEV 8.61

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### MERRYMOUNT PARKWAY CENTERLINE

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### PVC: 100+45 EL: 8.01 PVC EL: 100+75

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NOTE:

SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.

LINE #
L1 174.11'
L2 727.08'

STATION
PT: 2+08.94
PT: 3+29.15
PT: 2+17.57

NORTHING
N: 2,920,904.08
N: 2,920,896.38
N: 2,920,904.21

EASTING
E: 788,571.48
E: 788,562.93
E: 788,545.65

PHASE I CONSTRUCTION

START POINT
PT: 0+30.00
OFFSET: 0.00'

DELTA (D)

END POINT
PT: 111.57'
R=5.00

CURVE TABLE

POIN T NUMBER DESCRIPTION NORTHING EASTING STA TION LENGTH
100 PCC N, 2,920,894.05 E, 788,354.11
101 PT N, 2,920,894.05 E, 788,354.11
102 PT N, 2,920,894.05 E, 788,354.11
103 PT N, 2,920,894.05 E, 788,354.11

COORDINATE NODE TABLE

POINT NUMBER DESCRIPTION NORTHING EASTING
100 PCC N, 2,920,894.05 E, 788,354.11
101 PT N, 2,920,894.05 E, 788,354.11
102 PT N, 2,920,894.05 E, 788,354.11
103 PT N, 2,920,894.05 E, 788,354.11

CONSTRUCTION

DRAWINGS

Merrymount Parkway Reconstruction
Phase I

City of Quincy
Quincy, MA

DRAWINGS

CURB TIE PLAN - 1

DATE
7/14/2020

DESCRIPTION

PROJECT NO:
0

IN FEET

SCALE:

AS SHOWN

FILE:

MARK

APPROVED:

CHECKED:

DRAWN BY:

DAM:

NOTE:

SEE SHEET 2 FOR LEGEND, NOTES AND ABBREVIATIONS.

CURVE TABLE

CURVE NUMBER DESCRIPTION DIAMETER CURVE LENGTH RADIUS
1 C1 174.11' 727.08' 110.00'
2 C2 213.00' 75.00' 110.00'

LINE TABLE

LINE NUMBER LENGTH DESCRIPTION START POINT END POINT
10 L1 174.11' CURB TIE PLAN - 1 STATION 0 + 30.00
10 L2 727.08' CURB TIE PLAN - 1 STATION 0 + 30.00
12. PROJECT ADDRESS:

11. PROJECT NAME:

10. PROJECT OWNER:

9. GENERAL PROJECT INFORMATION

8. TO

7. B.

6. B.

5. FERTILIZER.

4. BASIN INLETS THAT MAY RECEIVE STORMWATER RUNOFF AND BE MAINTAINED FOR THE

3. CONSTRUCT EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 3:1.

2. AREAS HAVE BEEN STABILIZED.

1. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

1. CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.

2. THE FOLLOWING ARE THE ONLY NON-STORMWATER DISCHARGES ALLOWED. ALL OTHER

3. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR

4. ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR

5. ALL REGULATED MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY

6. CONTRACTOR SHALL KEEP A SPILL KIT AT THE FUELING AND MAINTENANCE AREA;

7. A REPRESENTATIVE OF THE SITE CONTRACTOR, SHALL BE RESPONSIBLE FOR

8. CONTRACTOR SHALL KEEP AREA COVERED; IF POSSIBLE THE CONTRACTOR SHALL KEEP AREA COVERED;

9. CONTRACTOR SHALL KEEP AREA COVERED;

10. INLET PROTECTION BARRIER SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED

11. INLET PROTECTION BARRIER TYPE SHALL BE AS SPECIFIED IN THE SPECIAL

12. ALL REGULATED MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY

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106. ALL REGULATED MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY
UNDERGROUND INFILTRATION BASIN DETAIL

NOTES:

1. UNDERGROUND BASIN SHALL BE ADS SC-740 CHAMBERS, OR APPROVED EQUAL.
2. SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. PLACE MINIMUM 12.5' OF ADS GEOSYNTHETICS 315WTK WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS.

GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES. (<35% FINES) COMPACT IN 6" LIFTS TO 95% PROCTOR DENSITY. SEE ADS STANDARD SPECIFICATIONS FOR ACCEPTABLE FILL MATERIALS.

7.12' HDPE HEADER (TYP)
NOTES:
1. ALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MASSDOT STANDARDS, LATEST VERSIONS.
2. ALL SIGNS (WARNING, REGULATORY, AND ROUTE MARKERS) SHALL BE FABRICATED WITH HIGH-INTENSITY REFLECTIVE SHEETING, MASSDOT SECTION M9.30.0 TYPE III OR IV.
3. PROPOSED PAVEMENT MARKINGS LABELS AND DIMENSIONS ARE SHOWN AS TYPICAL. AS NOT ALL STRIPING SHOWN HEREIN IS LABELED AND DIMENSIONED.
4. THE CONTRACTOR SHALL REMOVE AND STORE ALL EQUIPMENT AND FOUNDATION FOR THE EXISTING RRFB'S AND RESET IN PROPOSED LOCATIONS AS SHOWN ON DRAWINGS.
5. SEE SHEET 42 FOR SIGNAGE SUMMARY AND DETAILS.
1. NOTES:

2. UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MASSDOT STANDARDS, LATEST VERSIONS. SEE SHEET 42 FOR SIGNAGE SUMMARY AND DETAILS.

3. STRIPING SHOWN HEREIN IS LABELED AND DIMENSIONED. INTENSITY REFLECTIVE SHEETING, MASSDOT SECTION M9.30.0 TYPE III OR IV.

4. ALL SIGNS (WARNING, REGULATORY, AND ROUTE MARKERS) SHALL BE FABRICATED WITH HIGH

5. ALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL COMPLY WITH THE MANUAL ON

6. ACCESSIBLE PARKING SIGNS

7. PARKING SIGN TO SPACE ON AS REQUIRED (TYP)

8. (2) W16-7P

9. (2) RRFB (R&R) (2) W11-2

10. (R&R) (3) EXISTING

11. (TYP)

12. (TYP)

13. (TYP)

14.anni

15. (R&R*) (1) ACCESSIBLE

16. (R&R) 2.00' (TYP)

17. 4.00'

18. (2) W16-7P

19. (2) W11-2

20. (2) RRFB

21. R10-25 (R&R)

22. (2) W16-7P

23. (2) W11-2

24. (2) RRFB

25. R10-25 (R&R)

26. 6+67.73 8.00' (TYP)

27. 8.00' (TYP)

28. 30.00' MATCH EXISTING

29. 5.75' (MATCH EXISTING)
NOTES:
1. ALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MASSDOT STANDARDS, LATEST VERSIONS.
2. ALL SIGNS (WARNING, REGULATORY, AND ROUTE MARKERS) SHALL BE FABRICATED WITH HIGH INTENSITY REFLECTIVE SHEETING, MASSDOT SECTION M9.30.0 TYPE III OR IV.
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NOTES:
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5. SEE DRAWING 42 FOR SIGNAGE SUMMARY AND DETAILS.

LEGEND
- BROKEN WHITE LANE LINE (6" LINE, 10' MARK, 30' SPACING)
- BWLL
- CROSS WALK, WHITE (12" LINES, 8' OC, 12" LONGITUDINAL LINES, 4' OC)
- CW
- DOTTED WHITE LANE EXTENSION (6" LINE, 2" MARK, 6" SPACING)
- DWLE
- DOUBLE YELLOW CENTER LINE (2-6" LINES, 10" OC)
- DYCL
- DOTTED WHITE EDGE LINE (6" LANE)
- DWEL
- SOLID WHITE EDGE LINE (6" LINE)
- SWEL
- SOLID WHITE LANE LINE (6"
- SWLL
- SOLID YELLO WEDGE LINE (6"
- SYGL
- SOLID YELLOW EDGE LINE (6"
- SYEL
- SOLID YELLOW GORE LINE - THICK (12" LINE, 12' OC, 3:1)
- SYGL(T)
- SOLID YELLOW GORE LINE (6"
- SYGL
- DOUBLE YELLOW CENTER LINE (2-6" LINES, 10" OC)
- DYCL
- PAVEMENT MARKING, WHITE (2" TOP WIDTH, 36" HEIGHT, 18" SPACING)
- RPMK
- VEHICLE YIELD MARKING, WHITE (24" TOP WIDTH, 36" HEIGHT, 34" SPACING)
- VYMK
- ROADWAY DIRECTIONAL ARROWS, WHITE
- RDVA
- ROADWAY 'ONLY' LEGEND, WHITE
- ROVL
- ACCESSIBLE PARKING SYMBOL, WHITE SYMBOL BLUE BACKGROUND
- APsy
- BIKE LANE SYMBOL, WHITE
- BLSy
- SHARED USE LANE SYMBOL, WHITE
- SUly
- BICYCLE LANE SYMBOL, WHITE
- BCSy
- BICYCLE YIELD MARKING, WHITE (12" TOP WIDTH, 18" HEIGHT, 16" SPACING)
- BYMK
- R&R
- REMOVE & RESET (RETAIN SIGN AND POST)
- R&R*
- REMOVE & RESET (RETAIN SIGN, NEW SIGN POST)
- R&R
- PROPOSED NUMBER OF PARKING SPACES
- # SPACES
- ISSUED FOR BID
- 7/14/2020
- CITY OF QUINCY
- MERRYMOUNT PARKWAY RECONSTRUCTION PHASE I
- QUINCY, MA
- SCALE: 1"=100'
NOTES:

1. ALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MASSDOT STANDARDS, LATEST VERSIONS.

2. ALL SIGNS (WARNING, REGULATORY, AND ROUTE MARKERS) SHALL BE FABRICATED WITH HIGH INTENSITY REFLECTIVE SHEETING, MASSDOT SECTION M9.30.0 TYPE III OR IV.

3. PROPOSED PAVEMENT MARKING LABELS AND DIMENSIONS ARE SHOWN AS TYPICAL AS NOT ALL STRIPING SHOWN HEREIN IS LABELED AND DIMENSIONED.

4. THE CONTRACTOR SHALL REMOVE AND STORE ALL EQUIPMENT AND FOUNDATION FOR THE EXISTING RRFB'S AND RESET IN PROPOSED LOCATIONS AS SHOWN ON DRAWINGS.

5. SEE SHEET 42 FOR SIGNAGE SUMMARY AND DETAILS.
RAPID RECTANGULAR FLASHING BEACON (RRFB)

NOTES:
1. PURCHASED OR INSTALLED.
2. BE REMOVED AND RESET AS SHOWN ON THE SIGN & PAVEMENT MARKING PLAN SHEETS. NO ADDITIONAL RRFB'S SHALL BE
3. INCLUDED. See PAVEMENT MARKING & SIGNAGE PLANS for EXISTING SIGNS NOT SHOWN HERE that are to be removed and reset.
4. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" WILL GOVERN (LATEST EDITION). FOR LOCATION OF SIGNS SEE
5. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" SHALL GOVERN (LATEST EDITION) (NO. REQ'D)
6. * TOTAL NUMBER OF "P5" TYPE POST REQUIRED INCLUDES THE EXISTING "R&R*" SIGN WHERE SIGN IS KEPT BUT NEW POST IS BEING SUPPLIED (SEE SHEET 40).
7. NO SCALE

TRAFFIC SIGN SUMMARY

<table>
<thead>
<tr>
<th>I.D. NO.</th>
<th>SIZE OF SIGN</th>
<th>TEST</th>
<th>TEST DIMENSIONS (IN)</th>
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**NOTES:**
1. ALL SIGNS, WARNING, REGULATORY, AND ROUTE MARKERS SHALL BE FABRICATED WITH HIGH INTENSITY REFLECTIVE SHEETING, SECTION M 9.30.0 AND TYPE III (ENCAPSULATED LENS) OR TYPE IV (NON-METALIZED PRISMATIC LENS) SECTION M 30.0.
2. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" GOVERN (LATEST EDITION) FOR LOCATION OF SIGNS SEE
3. THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" WILL GOVERN (LATEST EDITION) (NO. REQ'D)
4. * TOTAL NUMBER OF "P5" TYPE POST REQUIRED INCLUDES THE EXISTING "R&R*" SIGN WHERE SIGN IS KEPT BUT NEW POST IS BEING SUPPLIED (SEE SHEET 40).
5. NO SCALE
NOTE:
1. SEE UTILITIES & GRADING PLANS FOR DETAILED GRADING INFORMATION
NOTE:
1. SEE UTILITIES & GRADING PLANS FOR DETAILED GRADING INFORMATION

PROPOSED GRADE

SCALE IN FEET

PROPOSED CIP CONCRETE RET WALL W/ ORNAMENTAL FENCE (COORD W/ LANDSCAPE DWGS)

REBUILD EXISTING SEWER MANHOLE AS REQUIRED FOR WALL CONSTRUCTION (TYP)

PROPOSED 6" PERF UNDERDRAIN (TYP)
NOTE:

10 15 20 25
SEE UTILITIES & GRADING PLANS FOR DETAILED GRADING INFORMATION

7/14/2020
Last Saved: Plotted On: Jul 15, 2020-8:57am By: NSC
Tighe & Bond:
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UNDERDRAIN (TYP)

5
PROPOSED 6" PERF

10 15 20 25
UNDERDRAIN (TYP)

PROPOSED CIP CONCRETE RET WALL W/ STONE VENEER & ORNAMENTAL FENCE (COORD W/ LANDSCAPE DWGS)

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NOTE:
1. SEE UTILITIES & GRADING PLANS FOR DETAILED GRADING INFORMATION
PLANTING NOTES:

1. FOR SELECTIVE CLEARING AREAS, REFER TO SPECIFICATION SECTION 101.42 AND AS FOLLOWS:
   1.1.1. CLEARING OF ALL TREES
   1.1.2. 90% OF ALL TREES LESS THAN 6' CALIBER
   1.1.3. SHRUBS BETWEEN 1' AND 10' HEIGHT
   1.1.4. 100% REMOVAL OF SUCCULENT PLANTS DISTRICTED TO PHRAGMITES, BUSH-HYPERICACEAE, JAPANESE BUSH-HYPERICACEAE, BUCKTHORN, JAPANESE WIDEBRANCH, KOJIBU, ORIENTAL BUSH-SAGE, AND NORWAY MAPLE

2. PRUNE ALL REMAINING TREES WITHIN SELECTIVE CLEARING AREAS, INCLUDING:
   1.1. REMOVAL OF DEAD BRANCHES
   1.2. REMOVAL OF 25% OF CROSSING BRANCHES
   1.3. REMOVAL OF SUCKERS
   1.4. STRATEGIC PRUNING TO IMPROVE TREE SHAPE

3. GRIND STUMPS OF ALL REMOVED TREES

4. CONTRACTOR TO PROVIDE UNIT PRICING FOR REMOVAL OF ADDITIONAL TREES AS NEEDED

5. DISTURBED SOIL AREAS, INCLUDING TURF SEEDING AREAS INDICATED IN DRAWINGS SHALL BE SEEDED AT A RATE OF 1000 LBS PER SQUARE FOOT WITH A MIX OF
   2.1. 30% FESTUCA RUBRA LUSTROUS
   2.2. 30% FESTUCA TRACHYPHYLLA 'PREDATOR'
   2.3. 20% PERENNIAL RYEGRASS
   2.4. 10% KENTUCKY BLUEGRASS


7. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.

8. ALL NEW PLANTS TO BE Balled and BURLAPPED, CONTAINER-GROWN, OR BARE-ROOT, AS NOTED ON THE PLANT LIST.

9. THE CONTRACTOR SHALL SURVY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.

10. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUAL FORM, HEIGHT, BRANCHING PATTERN, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.

11. ALL NEW PLANTS SHALL BE Tagged and APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.

12. THE CONTRACTOR SHALL LOCATE AND STAKE ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.

13. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING AND AS NEEDED.

14. NEW SHRUBS AND GROUND COVER SHALL BE PLANTED AT A DISTANCE BETWEEN 6" HIGHER THAN PREVIOUS GENERATION. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADE.

15. ALL PLANT BEDS TO RECEIVE THREE INCHES (3") OF BARK MULCH AS PER SPECIFICATIONS.

16. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVISED AND APPROVED BY THE LANDSCAPE ARCHITECT.

17. PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.

18. CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DRAWING, ADJUST GRADING TO ORIGINAL GRADE OF ROOT MASS AS SHOWN, TRANSPLANTING AS EXISTED AT THE NURSERY PRIOR TO BACKFILL.

19. CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES NECESSARY TO ACHIEVE 12" DEPTH OF EROSION CONTROL BLANKET WHEN PLANTING SHOWN ON THE DRAWINGS.

20. CONTRACTOR TO SHOW FIRST TREE PLANTED TO LANDSCAPE ARCHITECT PRIOR TO DIGGING OR DELIVERY TO THE SITE. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT.


22. CONTRACTOR TO SHOW FIRST TREE PLANTED TO LANDSCAPE ARCHITECT PRIOR TO DIGGING OR DELIVERY TO THE SITE. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT.

23. CONTRACTOR TO SHOW FIRST TREE PLANTED TO LANDSCAPE ARCHITECT PRIOR TO DIGGING OR DELIVERY TO THE SITE. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT.

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