SITE IMPROVEMENTS PERMANENT SUPPORTIVE HOUSING

WORCESTER COMMUNITY HOUSING RESOURCES
50 ORIOL DRIVE
WORCESTER, MA 01605

SHEET INDEX				
No.	Title	Issue Date		
C001	Cover Sheet	November 11, 2024		
C101	Existing Conditions Plan	November 11, 2024		
C102	Site Demo & Sediment and Erosion Control Plan	November 11, 2024		
C103	Layout & Grading Plan	November 11, 2024		
C501	Site Details - 1	November 11, 2024		
C502	Site Details - 2	November 11, 2024		

REFERENCE PLAN INDEX		
No.	Title	Issue Date
-	ALTA/NSPS Land Title Survey (B&R Survey, Inc.)	March 1, 2024
DD	Renovations to Permanent Supportive Housing (Davis Square Architects)	February 22, 2024
Rev. 4	Definitive Site Plan, Permanent Supportive Housing (Graves Engineering, Inc.)	January 19, 2023
SK-1	Proposed Lighting Improvement Sketch (Graves Engineering, Inc.)	February 14, 2023

PLAN NOTE

PROPOSED WORK SHOWN ON THESE DRAWINGS IS INTENDED TO SUPPLEMENT PREVIOUS GRAVES ENGINEERING, INC. PLANS AS REFERENCED IN THE "REFERENCE PLAN INDEX". IN AREAS WHERE WORK OVERLAPS, THESE DRAWINGS SHALL SUPERSEDE THE REFERENCE PLANS.

ARCHITECT

Worcester Community Housing Resources

11 Pleasant Street, Suite 300

Worcester, MA 01609

Davis Square 240A Elm Street Somerville.

SURVEYOR

OWNER

B&R Survey, Inc.
100 Grove Street
Worcester, MA 01605

Davis Square Architects

240A Elm Street

Somerville, MA 02144

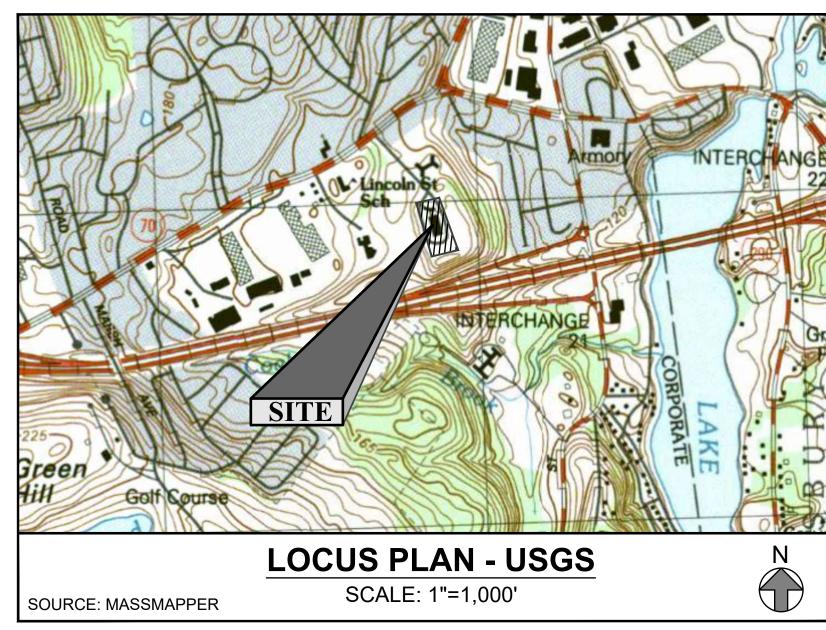
GRAVES ENGINEERING, Inc.

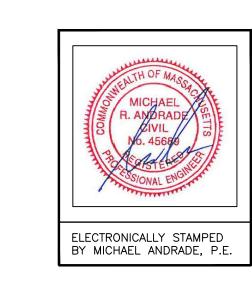
100 GROVE STREET | WORCESTER MA 01605 T 508-856-0321 | F 508-856-0357 gravesengineering.com



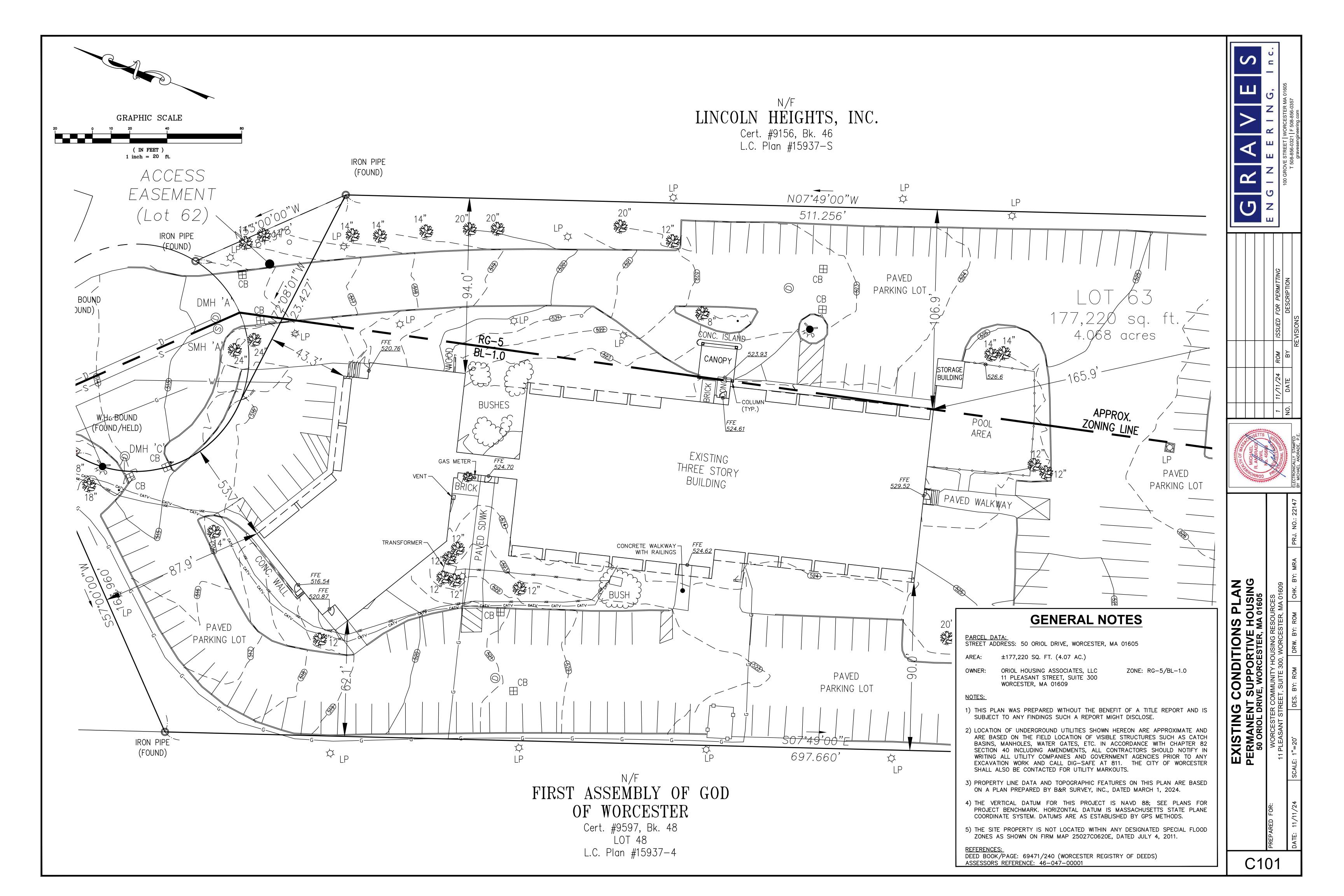
No.Note1Issued for PermittingNovember 11, 2024

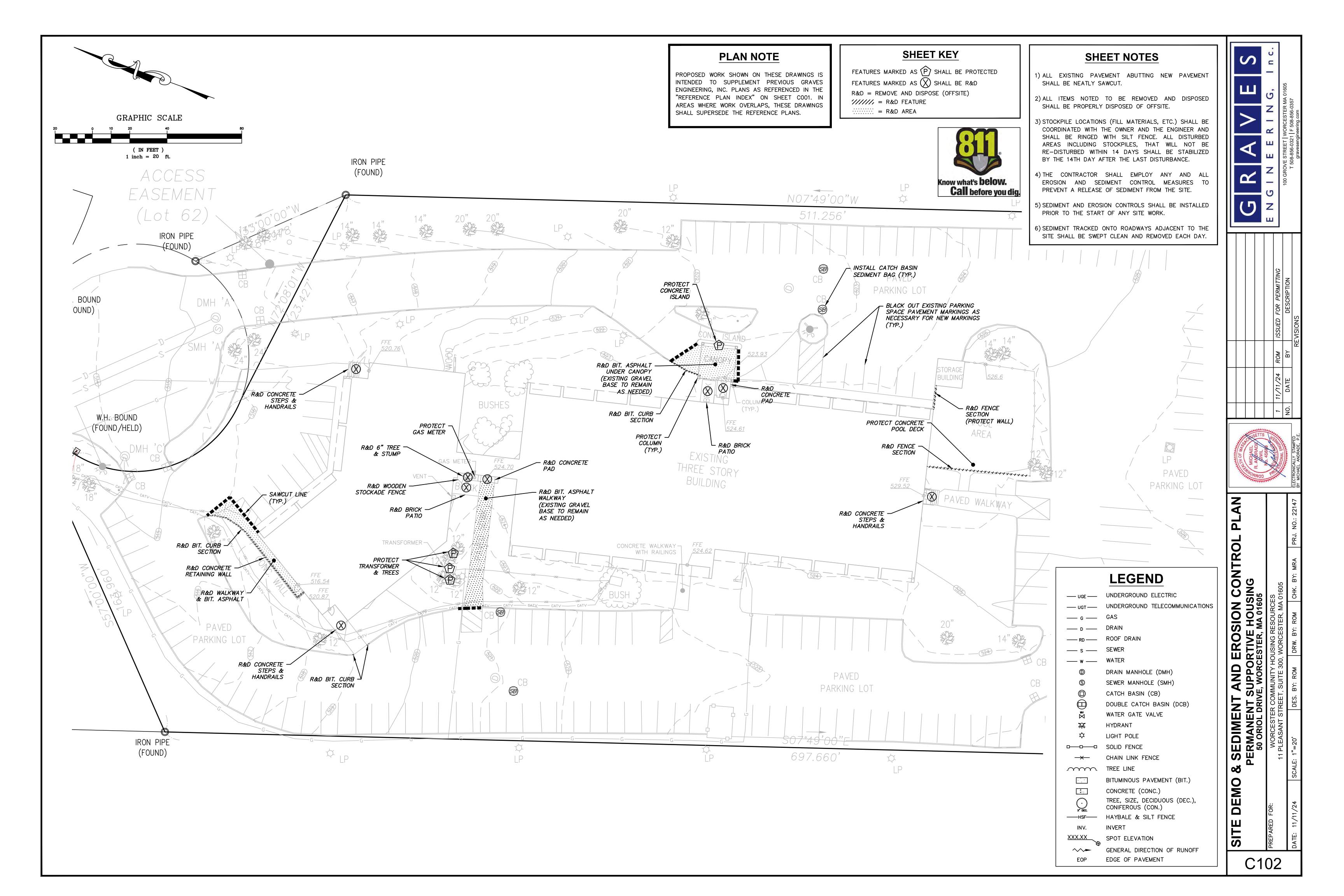


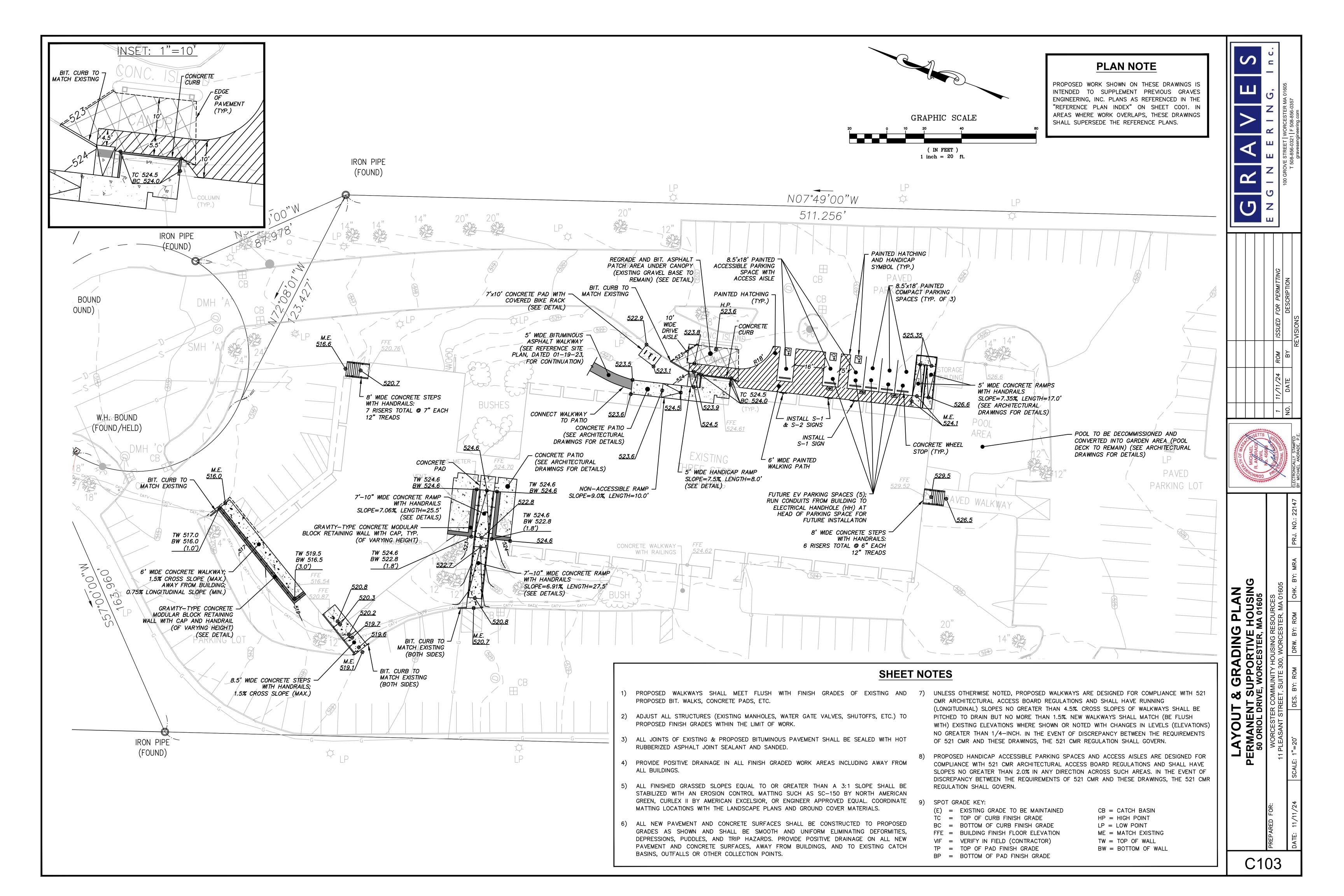


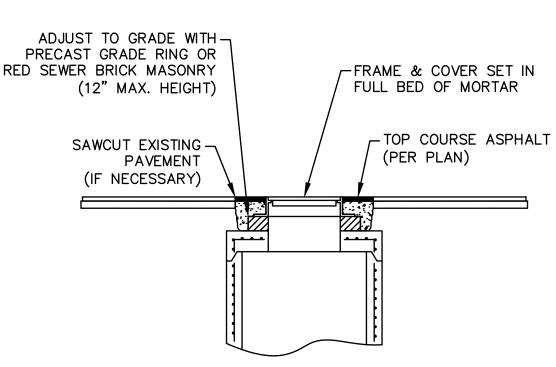


C001 - COVER SHEET

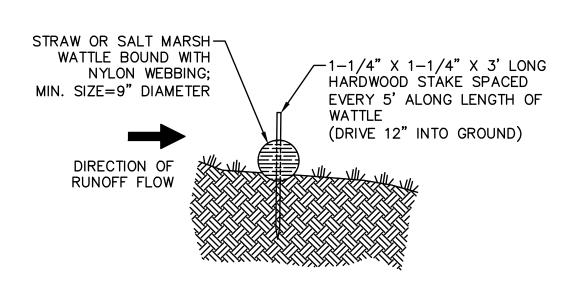






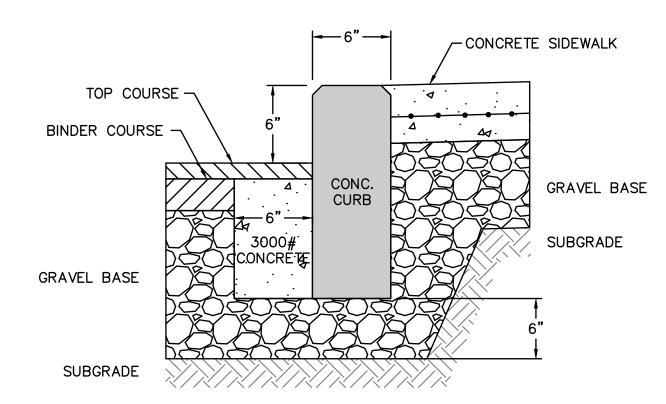


STRUCTURE ADJUSTMENT NTS



STRAW WATTLE NTS

1) PROVIDE A 3' TO 6' LEVEL AREA BETWEEN THE WATTLE AND THE TOE OF ANY SLOPE TO PROVIDE AREA FOR SEDIMENT ACCUMULATION.

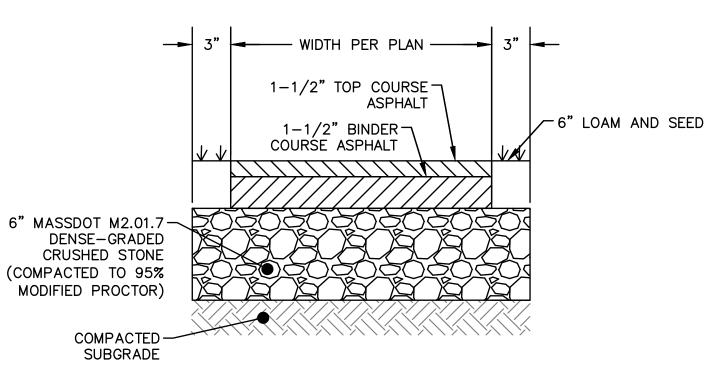


OVERLAP FABRIC -CATCH BASIN (TYP. ALL 4 SIDES) FRAME & GRATE *11 11 11 11 11* - OVERFLOW OPENING - GEOTEXTILE FABRIC SEDIMENT BAG - SEDIMENT ACCUMULATION

CATCH BASIN SEDIMENT BAG NTS

NOTES:

- 1) SEDIMENT BAG SHALL BE SILTSACK BY ACF ENVIRONMENTAL, OR APPROVED EQUAL.
- 2) OIL ABSORPTION MEDIUM MAY ALSO BE PLACED IN BAG (OPTIONAL).
- 3) INSTALL AND MAINTAIN PER MANUFACTURER'S INSTRUCTIONS.



BITUMINOUS WALKWAY NTS

1) DO NOT EXTEND BASE GRAVEL AS SHOWN WHEN WALKWAYS AREA ABUTTING ROAD, WALKWAY, OR OTHER HARD SURFACE.

BINDER COURSE -BERM GRAVEL BASE SUBGRADE

TOP COURSE -

1-1/2" TOP -

2-1/2" BINDER -

12" MASSDOT M1.03.0 TYPE B

GRAVEL BASE (COMPACTED TO

95% MODIFIED PROCTOR)

(SEE NOTE 4

COMPACTED SUBGRADE

SIC - 19.0).

AND COMPACTED.

COURSE

COURSE

PAVEMENT SECTION

AREA, OR OTHER SOFT SURFACE.

1) TAMP ALL ASPHALT EDGES THAT ABUT LAWN, LANDSCAPED

2) BINDER COURSE: - MASSDOT M3.11.03, TABLE A, "HMA

3) TOP COURSE: - MASSDOT M3.11.03, TABLE A, "SURFACE

4) FOR PATCH AREAS, ONLY THE ASPHALT DEPTHS SHOWN

4" 2" 2"

INTERMEDIATE COURSE DENSE BINDER" OR SUPERPAVE

INTERMEDIATE COURSE - 19.0MM (MIXTURE DESIGNATION

COURSE STANDARD TOP" OR SUPERPAVE SURFACE

APPLY; EXISTING GRAVEL BASE TO REMAIN, BE SHAPED,

COURSE - 12.5MM (MIXTURE DESIGNATION SSC - 12.5).

NTS

BITUMINOUS BERM-TYPE 3 NTS

BITUMINOUS

NOTES:

- 1) BERM SHALL BE LAID ON BINDER COURSE AND KEYED INTO TOP COURSE.
- 2) <u>BERM ASPHALT:</u> MASSDOT M3.11.03, TABLE A, "HMA DENSE MIX".

5/16" x 2" LG. S.S. FOR SIGN POSTS WITH TWO SIGNS, INSTALL BOLTS, LOCK WASHERS, AND PLASTIC WASHERS ONE ABOVE THE OTHER WITH A 3" GAP BETWEEN SIGNS; EXTEND POST LENGTH HEAVY-DUTY STEEL -AS NECESSARY U-CHANNEL POST (BLACK ENAMEL), PRE-DRILLED W/ 3/8' HOLES AT 1" O.C. 5' TO BOTTOM OF LOWEST SIGN TOP OF SIDEWALK OR FINISH GRADE 3,000 PSI-CONCRETE BASE V 30" MIN. 10" DIAM. SIGN NTS

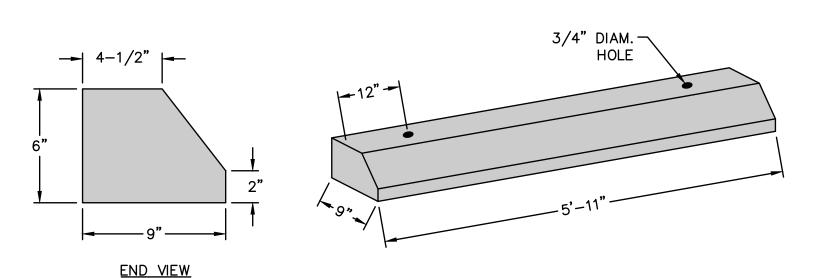
S

SI ERMANEN 50 ORIOL I

C501

MOUNT SIGNS WITH TWO -

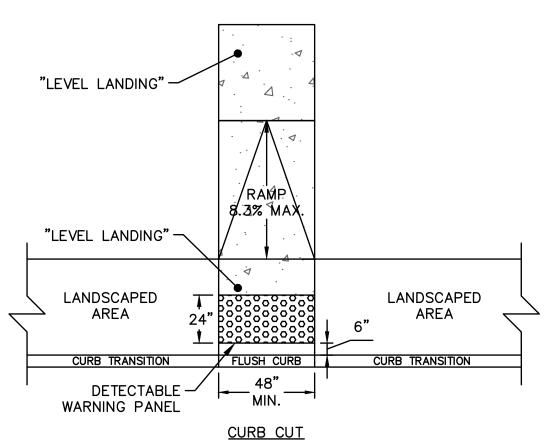
SIGNAGE KEY							
05: 15	5505044 40	SIGN	SIZE	SIGN LAYOUT QUANTI		CION LAVOUT OLIAN	
GEI ID	FEDERAL ID	WIDTH	HEIGHT	SIGN LAYOUT	QOANTITT		
S-1	R7-8	12"	18"	RESERVED PARKING	3		
S-2	R7-8a	12"	6"	VAN ACCESSIBLE	2		



WHEEL STOP NTS

NOTES:

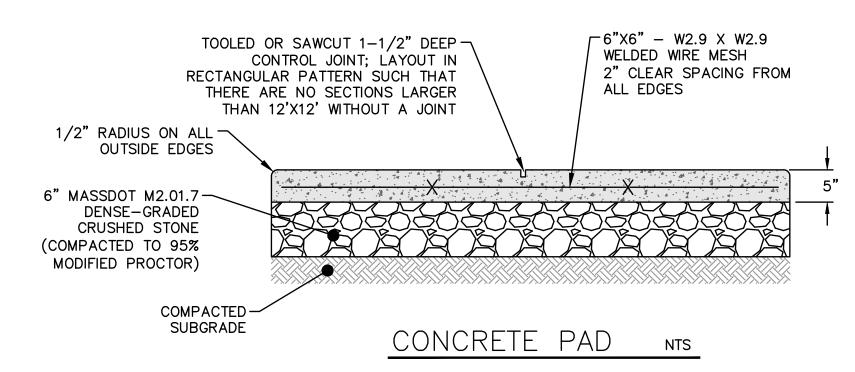
- 1) WHEEL STOPS SHALL BE CONSTRUCTED OF 4,000 PSI CONCRETE (28 DAYS) AND SECURED TO THE GROUND WITH STEEL PINS.
- 2) RUBBER OR OTHER MATERIAL WHEEL STOPS MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.



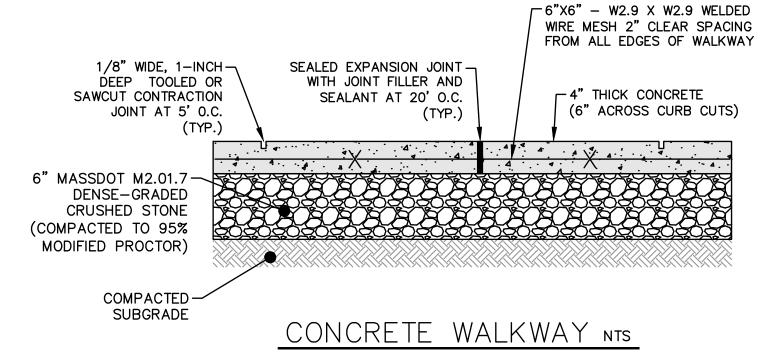
NOTES:

- 1) FOR SIDEWALKS PART OF AN ACCESSIBLE ROUTE. THE MAXIMUM ALLOWABLE RUNNING SLOPE SHALL BE 5.0% AND THE MAXIMUM
- 3) A "LEVEL LANDING" 48" MIN. IN LENGTH MUST BE PROVIDED AT THE BOTTOM OF THE RAMP.

PRECAST CONCRETE CURB W/ CONCRETE SIDEWALK NTS

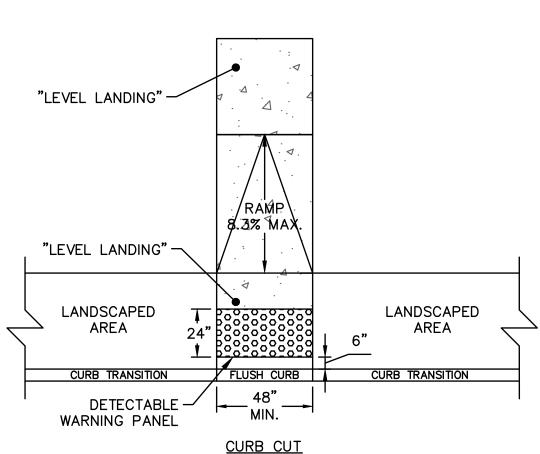


- 1) THIS DETAIL APPLIES TO ALL PROPOSED CONCRETE PADS.
- 2) CONCRETE MIX DESIGN SHALL BE FOR EXTERIOR USE; AIR-ENTRAINED, 4,000 PSI MIN. (28-DAY), 3/4" AGGREGATE.
- 3) WHEN THE PAD ABUTS A STRUCTURE OR EXISTING HARD SURFACE (CONCRETE, ETC,), INSTALL AN EXPANSION JOINT ACROSS THE ENTIRETY OF THE ABUTTING FACE WITH PREFORMED FIBER JOINT FILLER AND FILL WITH 1" DEEP OF POLYURETHANE JOINT SEALANT.
- 4) PAD SHALL HAVE A MEDIUM BROOM FINISH. THERE SHALL BE NO SMOOTHED TOOL JOINTS; BROOM FINISH SHALL EXTEND TO THE EDGES OF THE PAD AND ACROSS ANY JOINTS.



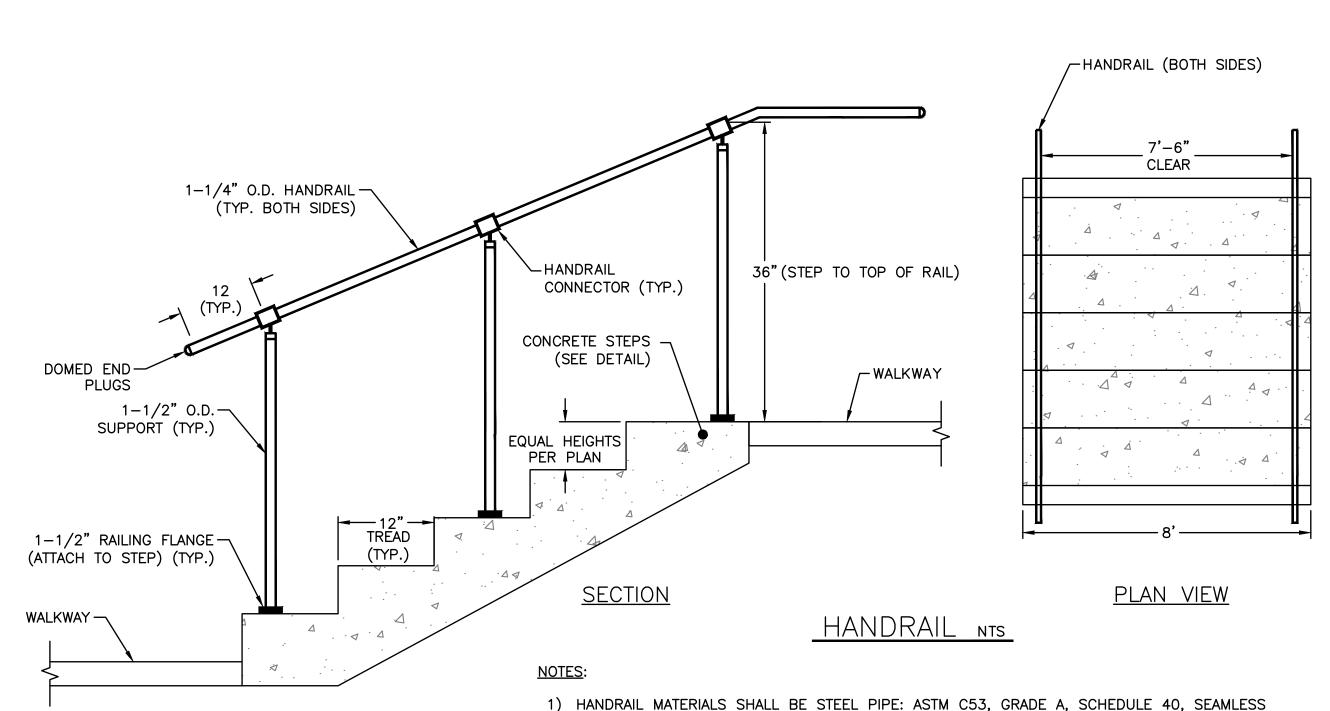
NOTES:

- 1) CONCRETE MIX DESIGN SHALL BE FOR EXTERIOR USE; AIR-ENTRAINED, 4,000 PSI MIN. (28-DAY), 3/4" AGGREGATE.
- 2) WHEN THE WALKWAY ABUTS A STRUCTURE OR EXISTING HARD SURFACE (CONCRETE, ETC.), INSTALL AN EXPANSION JOINT ACROSS THE ENTIRETY OF THE ABUTTING FACE WITH PREFORMED FIBER JOINT FILLER AND FILL WITH 1" DEEP OF POLYURETHANE JOINT SEALANT.
- 3) WALKWAYS SHALL HAVE A LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF FOOT TRAFFIC. THERE SHALL BE NO SMOOTHED TOOL JOINTS; BROOM FINISH SHALL EXTEND TO THE EDGES OF THE PAD AND ACROSS

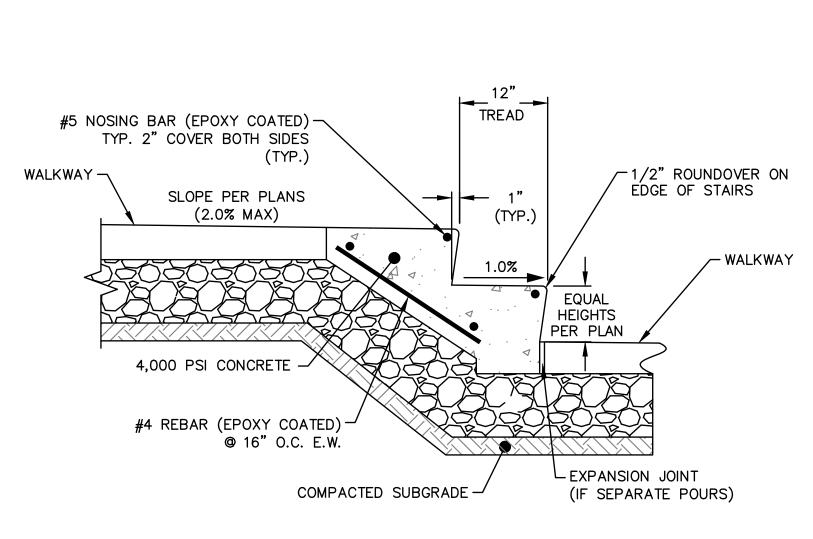


HANDICAP ACCESSIBLE CURB CUT NTS

- ALLOWABLE CROSS SLOPE SHALL BE 1.5% (1.0% MIN.).
- 2) "LEVEL LANDING" SHALL BE SLOPED NO MORE THAN 1.5% IN ANY DIRECTION (1.0% MIN. FOR CROSS SLOPE).



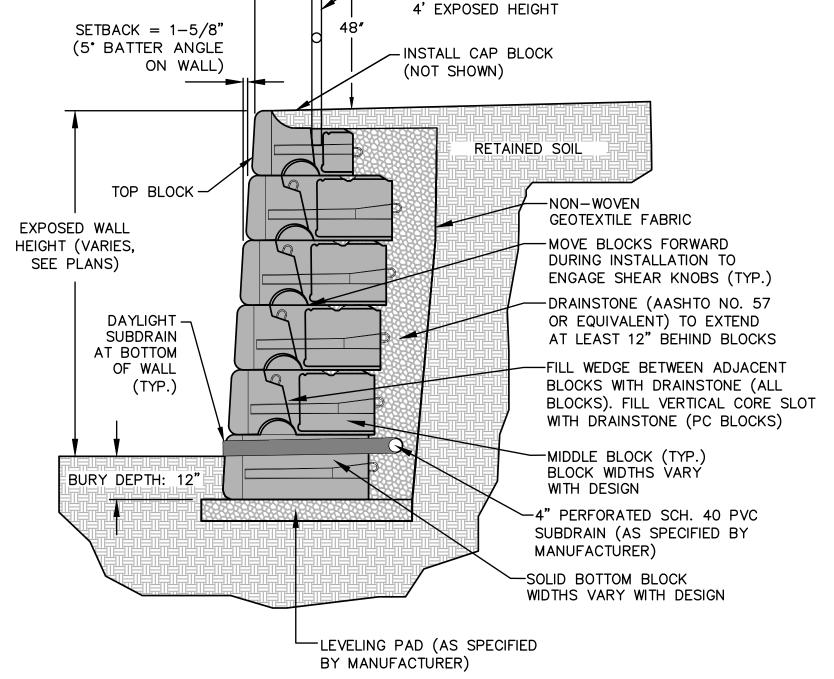
- 1) HANDRAIL MATERIALS SHALL BE STEEL PIPE: ASTM C53, GRADE A, SCHEDULE 40, SEAMLESS PIPE. STEEL PIPE TO BE HOT-DIPPED GALVANIZED SHALL BE CHEMICALLY SUITED TO METAL COATINGS COMPLYING WITH THE FOLLOWING REQUIREMENTS: CARBON BELOW 0.25%, SILICON BELOW 0.24%, PHOSPHORUS BELOW 0.05%, AND MANGANESE BELOW 1.35%.
- 2) COLOR FOR ALL HANDRAILS, POSTS, AND FITTINGS SHALL BE BLACK.
- 3) HANDRAILS, POSTS, AND FITTINGS SHALL BE FINISHED USING A HOT-DIP GALVANIZING AND FACTORY-APPLIED POWDERCOAT ARCHITECTURAL FINISH PROCESS SUCH AS COLORGALV THERMOSET BY DUNCAN GALVANIZING OR APPROVED EQUAL. COMPLY WITH ASTM A123 FOR FABRICATED PRODUCTS AND ASTM A153 FOR HARDWARE.
- 4) PROVIDE ALL FASTENERS AND ATTACHMENTS OF THE SAME MATERIAL AND FINISH AS THE METAL TO WHICH IT IS APPLIED. ATTACHMENT HARDWARE FOR FASTENING TO FIXED IN-PLACE CONSTRUCTION SHALL BE STAINLESS STEEL ONLY.
- 5) FOR VERTICAL POST CONNECTIONS WITH A BASE FLANGE TO CONCRETE OR OTHER FIXED IN-PLACE CONSTRUCTION, USE STAINLESS STEEL EXPANSION BOLTS OR SLEEVE ANCHORS (1/2-INCH DIAMETER BY 3 INCHES LONG MIN. OR AS OTHERWISE RECOMMENDED BY MANUFACTURER).
- 6) ALL EXPOSED PIPE ENDS, INCLUDING HANDRAIL ENDS, SHALL BE CLOSED WITH MATCHING PLUGS.



CONCRETE STEPS NTS

NOTE:

 SEE WALKWAY DETAIL FOR MATERIALS (WALKWAY AND SUBBASE).



-4' TALL BLACK VINYL COATED
CHAIN LINK FENCE ALONG

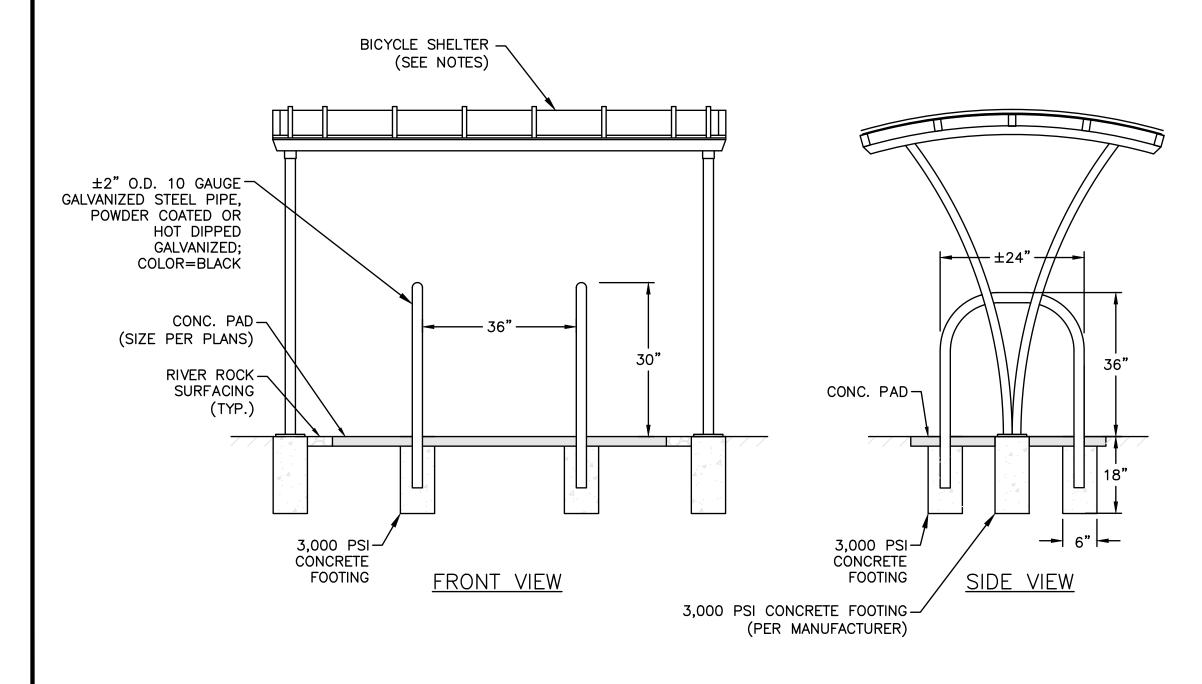
TOP WHERE GREATER THAN

±12"

TYPICAL GRAVITY-TYPE PRECAST CONCRETE MODULAR BLOCK RETAINING WALL SECTION NTS

NOT

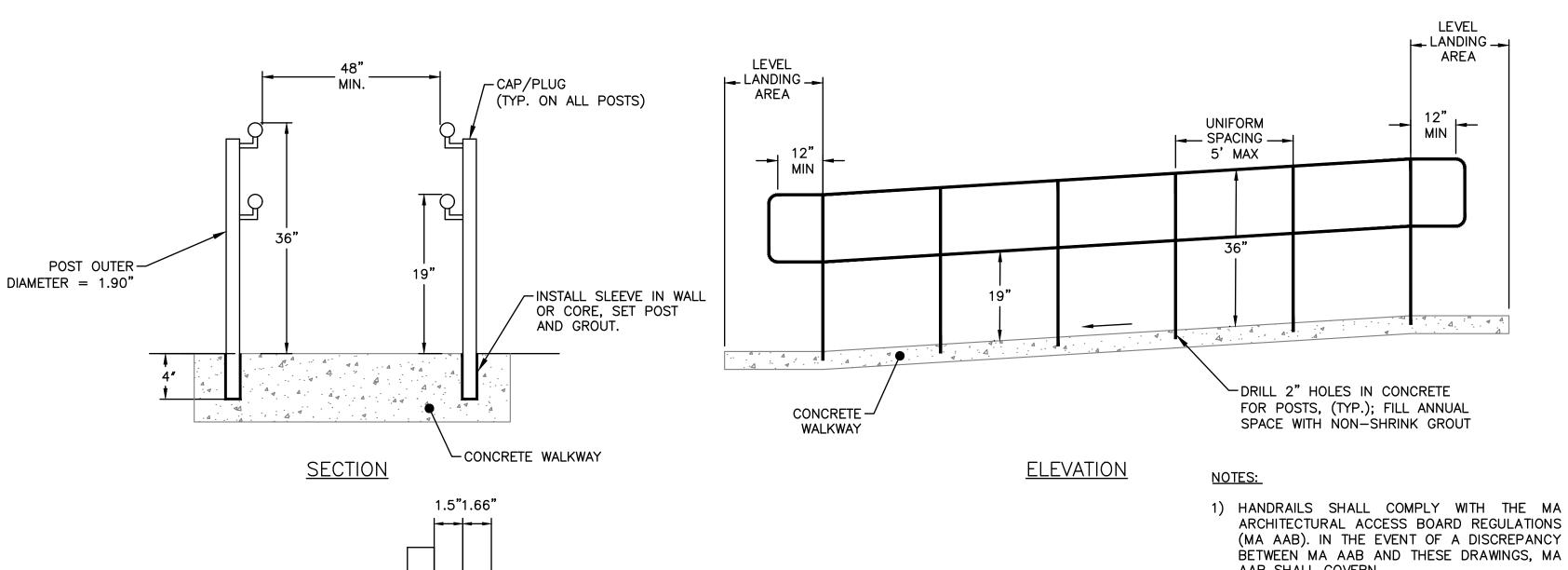
- 1) BLOCK TEXTURE (FINISH) SHALL BE SIMILAR TO "LIMESTONE" BY REDI-ROCK INTERNATIONAL, LLC. AND BASED ON CONTRACTOR-SELECTED WALL MANUFACTURER.
- 2) BLOCK COLOR SHALL BE GRAY.
- 3) CONTRACTOR IS RESPONSIBLE FOR WALL MANUFACTURER'S COST OF PREPARING STRUCTURAL ENGINEERING DRAWINGS.
- 4) CONTRACTOR IS RESPONSIBLE FOR OBTAINING A BUILDING PERMIT AS REQUIRED.
- 5) DESIGN SUBJECT TO CHANGE BASED ON STRUCTURAL ENGINEER-PREPARED DRAWINGS AND OWNER MATERIAL SELECTIONS.



COVERED BICYCLE RACK NTS

NOTES:

- 1) IN LIEU OF FOOTINGS, RACKS MAY BE SURFACE MOUNTED TO A CONCRETE PAD OR OTHER HARD SURFACE USING MANUFACTURER'S FLANGES AND APPROPRIATE STAINLESS STEEL ANCHOR BOLTS.
- 2) EACH RACK HAS CAPACITY FOR TWO BICYCLES. FOR MULTIPLE RACKS, SPACE EACH RACK 36 INCHES FROM THE ADJACENT RACK.
- 3) THE BICYCLE SHELTER SHALL BE OF APPROPRIATE SIZE TO FULLY COVER THE BICYCLE RACK(S) LAYOUT. CONFIRM SIZE AND MANUFACTURER WITH THE ENGINEER AND OWNER PRIOR TO ORDERING; DUO-GARD "PARACHUTE" OR ENGINEER AND OWNER APPROVED EQUAL.



1.5"1.66"

<u>HANDRAIL</u>

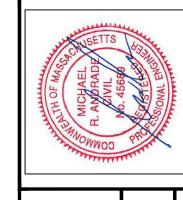
HANDICAP ACCESSIBLE HANDRAIL

AAB SHALL GOVERN. 2) HANDRAILS SHALL HAVE A CIRCULAR CROSS

- 2) HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH A DIAMETER OF 1.66". POSTS SHALL HAVE A CIRCULAR CROSS SECTION WITH A DIAMETER OF 1.90".
- 3) SET POSTS IN 8" DIAMETER, 18" DEEP CONCRETE BASE.
- 4) HANDRAILS SHALL BE SCH. 40 STEEL AND HOT DIPPED GALVANIZED. FIELD WELDS SHALL BE COVERED WITH BRUSH—ON ZINC COATING.



				ISSUED FOR PERMITTING	DESCRIPTION	REVISIONS
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				1 11/11/24 ROM	DATE	
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PERMANENT SUPPORTIVE HOUSING
50 ORIOL DRIVE, WORCESTER, MA 01605

WORCESTER COMMUNITY HOUSING RESOURCES
11 PLEASANT STREET, SUITE 300, WORCESTER, MA 01605

E: 11/11/24 | SCALE: AS NOTED | DES. BY: ROM | DRW. BY: ROM | CHK. BY: WRA | PRJ. NO.: 22147

C502

DEFINITIVE SITE PLAN PERMANENT SUPPORTIVE HOUSING

50 ORIOL DRIVE WORCESTER, MA 01605

SHEET INDEX

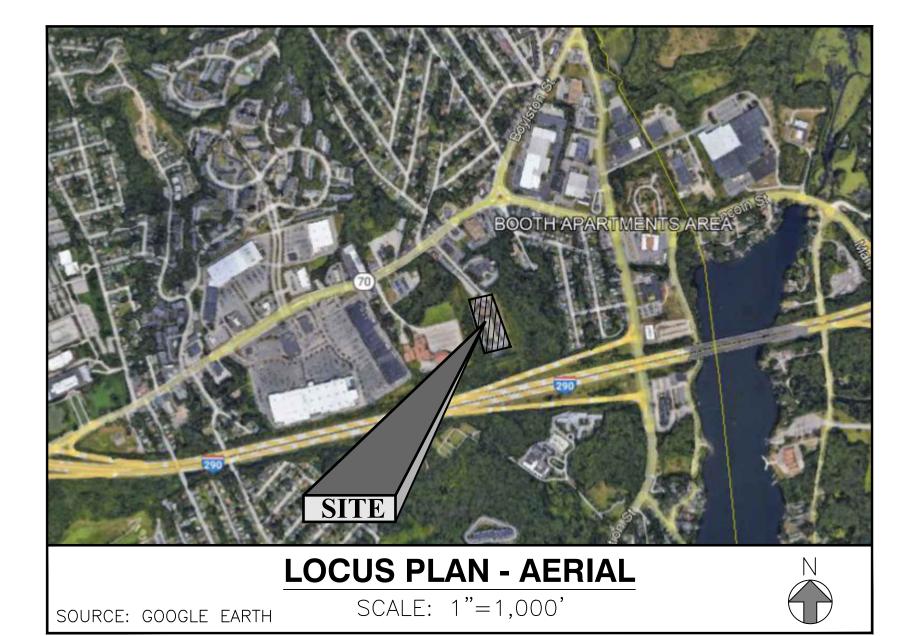
No.	Title	Issue Date
C001	Cover Sheet	October 26, 2022
C101	Site Plan	October 26, 2022
C501	Site Details - 1	October 26, 2022
C502	Site Details - 2	December 13, 2022

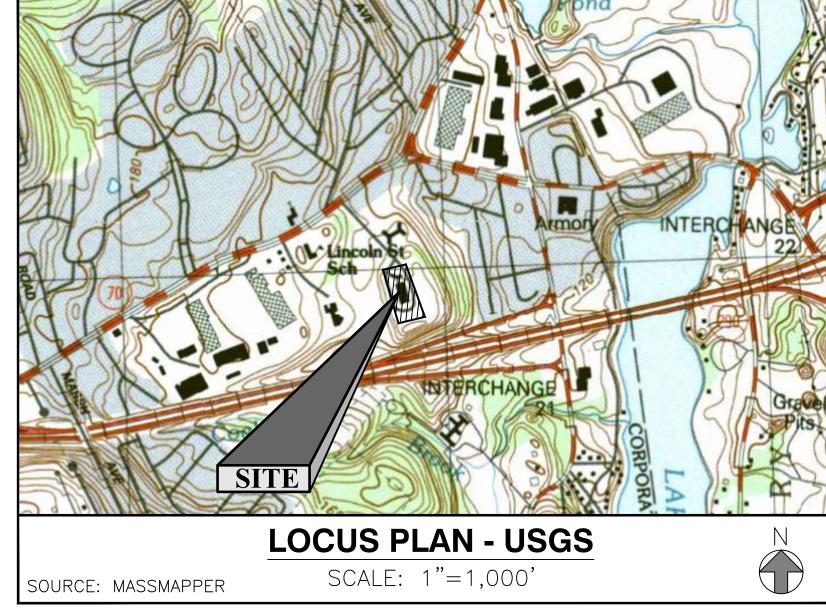
REVISIONS/ISSUES

No.	Note	Date
1	Issued for Permitting	October 26, 2022
2	Revised per DPRS Staff Review	December 13, 2022
3	Revised per DPRS	January 4, 2023
4	Revised per PB Approval	January 19, 2023

REFERENCE PLAN INDEX

No.	Title	Issue Date





OWNER

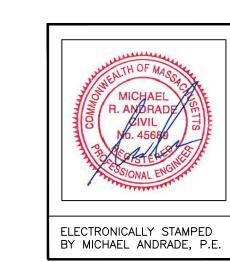
GS Hotel Management LLC 50 Oriol Drive Worcester, MA 01605

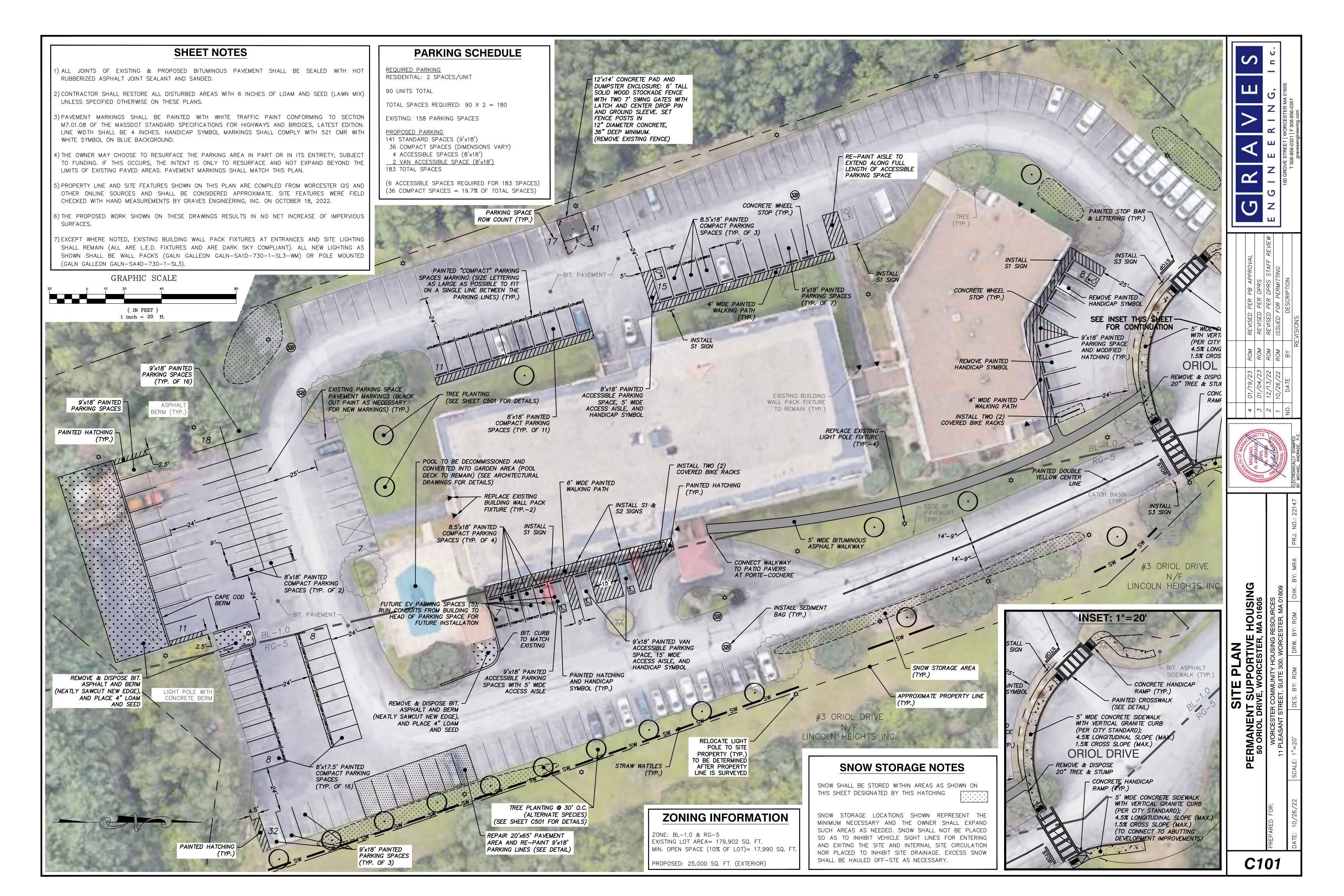
APPLICANT

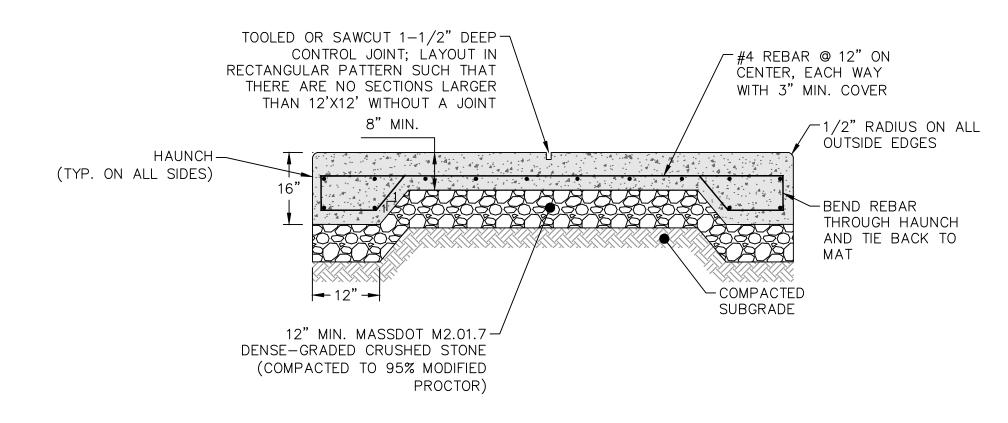
Worcester Community Housing Resources 11 Pleasant Street, Suite 300 Worcester, MA 01609



100 GROVE STREET | WORCESTER MA 01605 T 508-856-0321 | F 508-856-0357 gravesengineering.com



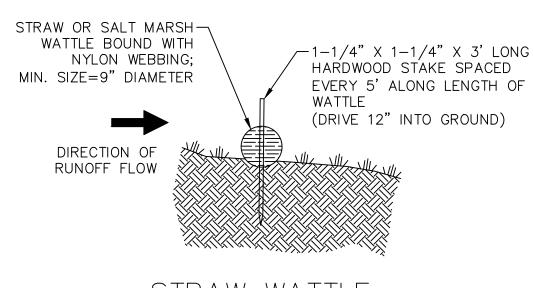




CONCRETE PAD-HEAVY DUTY NTS

NOTES:

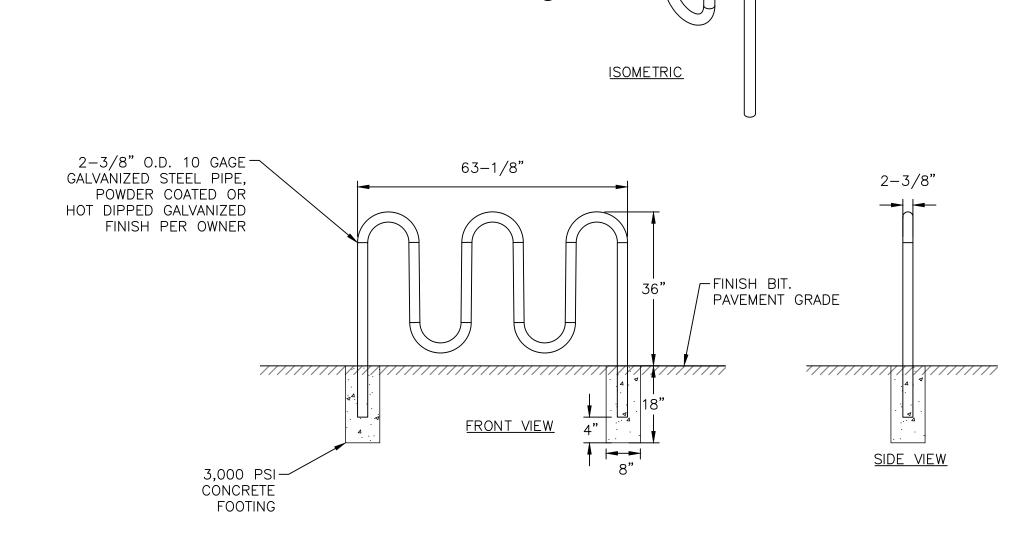
- 1) THIS DETAIL APPLIES TO THE PROPOSED DUMPSTER PAD.
- 2) CONCRETE MIX DESIGN SHALL BE FOR EXTERIOR USE; AIR-ENTRAINED, 4,000 PSI MIN. (28-DAY), 3/4" AGGREGATE.
- 3) OMIT THE HAUNCH WHEN ABUTTING ANOTHER HARD SURFACE SUCH AS EXISTING CONCRETE (BITUMINOUS IS NOT A HARD SURFACE).
- 4) WHEN THE PAD ABUTS A STRUCTURE OR EXISTING HARD SURFACE (CONCRETE, ETC,), INSTALL AN EXPANSION JOINT ACROSS THE ENTIRETY OF THE ABUTTING FACE WITH PREFORMED FIBER JOINT FILLER AND FILL WITH 1" DEEP OF POLYURETHANE JOINT SEALANT.
- 5) PAD SHALL HAVE A MEDIUM BROOM FINISH. THERE SHALL BE NO SMOOTHED TOOL JOINTS; BROOM FINISH SHALL EXTEND TO THE EDGES OF THE PAD AND ACROSS ANY JOINTS.



STRAW WATTLE NTS

NOTE:

1) PROVIDE A 3' TO 6' LEVEL AREA BETWEEN THE WATTLE AND THE TOE OF ANY SLOPE TO PROVIDE AREA FOR SEDIMENT ACCUMULATION.



BIKE RACK - FOOTING

NOTES:

- 1) BIKE RACK SHALL BE COVERED WITH A STRUCTURE (DESIGN TO BE SELECTED BY OWNER).
- 2) SECOND RACK TO BE INSTALLED IMMEDIATELY ADJACENT TO THE FIRST RACK AND IN THE SAME PLANE.

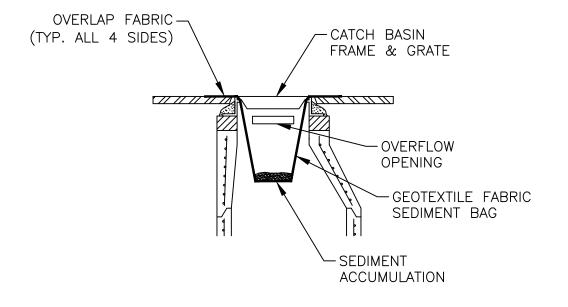
PLANTING LIST

COMMON NAME

'PRARIE FIRE

CRABAPPLE

FLOWERING DOGWOOD



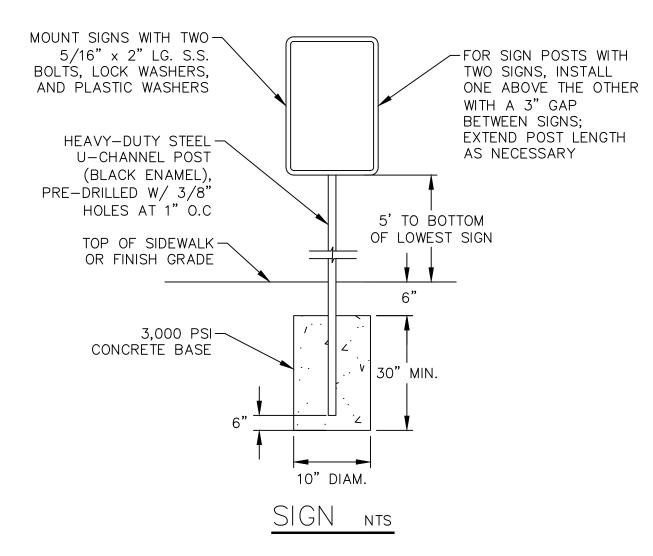
CATCH BASIN SEDIMENT BAG NTS

ADJUST TO GRADE WITH-

PRECAST GRADE RING OR

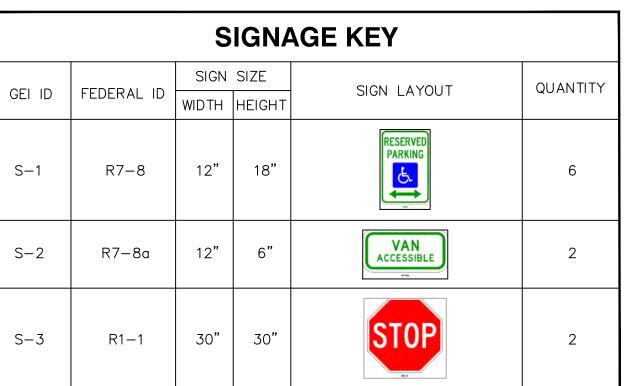
RED SEWER BRICK MASONRY

- 1) SEDIMENT BAG SHALL BE SILTSACK BY ACF ENVIRONMENTAL, OR APPROVED EQUAL.
- 2) OIL ABSORPTION MEDIUM MAY ALSO BE PLACED IN BAG (OPTIONAL).
- 3) INSTALL AND MAINTAIN PER MANUFACTURER'S INSTRUCTIONS.



NOTE:

1) OMIT CONCRETE BASE WHEN SIGN SHALL BE MOUNTED TO BUILDING. MOUNT SIGN 5 FT. ABOVE FINISH GRADE AS SHOWN.



CODE QTY. BOTANICAL NAME MPF MALUS 'PRARIE FIRE' COF CORNUS FLORIDA RUBBER HOSE TREE WRAP -→ GUY WIRE (3 PER TREE) REMOVE WIRE AND BURLAP-- TENSION TWIST FROM THE TOP 1/3 OF (1 PER GUY WIRE) THE ROOTBALL TREE STAKE -∠2" MULCH LAYER (TYP. OF 3) WATERING BASIN FINISH GRADE VARIES (REFER TO PLANS) -SCARIFY SIDE OF EXCAVATION ─BACKFILL MIX -1'-0" DRAINAGE FILL LAYER OVER PIT BOTTOM FOR TREE LEVELING MOUND TREE PLANTING NTS

LANDSCAPE NOTES

SIZE

CALIPER

3.0-3.5" CALIPER

NOTES

@ 6" ABOVE GROUND

@ 6" ABOVE GROUND

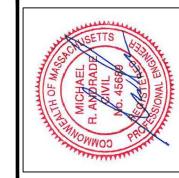
- 1) ALL PLANTINGS SHALL BE ASIAN LONGHORN BEETLE AND EMERALD ASH BORER RESISTANT, NON-HOST SPECIES. SPECIES NOTED ON THIS PLAN MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- 2) A 6-FOOT DIAMETER BARK MULCH BED WITH A DEPTH OF 3 INCHES SHALL BE PLACED AROUND THE TRUNK OF EACH PROPOSED TREE.
- 3) ALL PLANTINGS SHALL BE WATERED AND FERTILIZED AS NECESSARY UNTIL ESTABLISHED. THE CONTRACTOR SHALL INSTALL A SLOW-RELEASE WATERING BAG AT EACH TREE PLANTING AND MAINTAIN THE BAG FILLED WITH WATER UNTIL FINAL COMPLETION.
- 4) TREES SHALL BE SUPPORTED BY TEMPORARY STAKING AS NECESSARY UNTIL ESTABLISHED.

FULL BED OF MORTAR (12" MAX. HEIGHT) TOP COURSE ASPHALT SAWCUT EXISTING -(PER PLAN) PAVEMENT (IF NECESSARY)

FRAME & COVER SET IN

STRUCTURE ADJUSTMENT NTS

C501

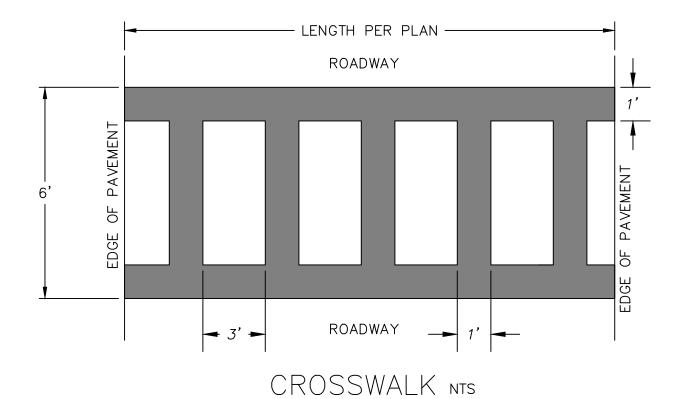


E DETAILS - SUPPORTIVE |

SITE ERMANENT S

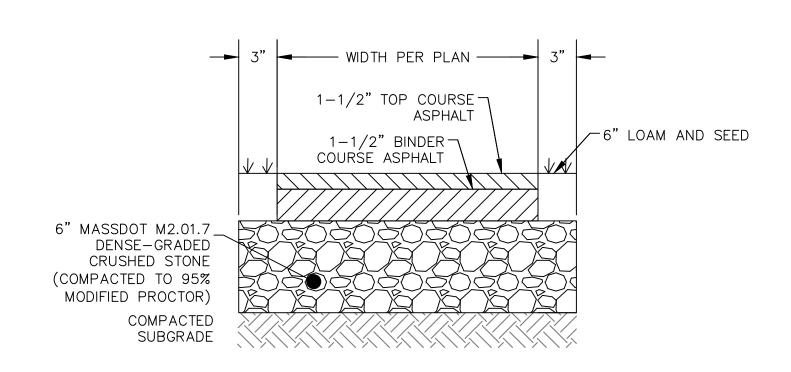
1) SET TREE ROOT CROWN 2" ABOVE FINISH GRADE.

2) DO NOT PLACE SOIL OVER ROOTBALL.



NOTES:

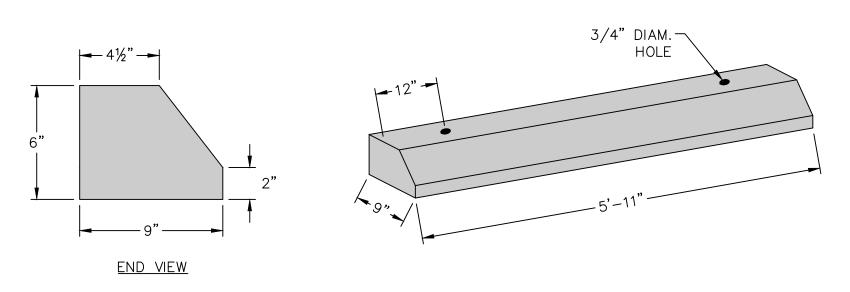
- 1) PAVEMENT MARKINGS SHALL COMPLY WITH THE MUTCD, CURRENT EDITION, OR THE ADA AND AAB, LATEST EDITIONS.
- 2) MARKING PAINT SHALL BE IN ACCORDANCE WITH SECTION M7 OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES. FAST-DRYING, LOW-VOC CHLORINATED TRAFFIC PAINT SHALL BE USED CONFORMING TO SECTION M7.01.10.
- 3) COLOR OF MARKINGS SHALL BE WHITE.



BITUMINOUS WALKWAY NTS

NOTE:

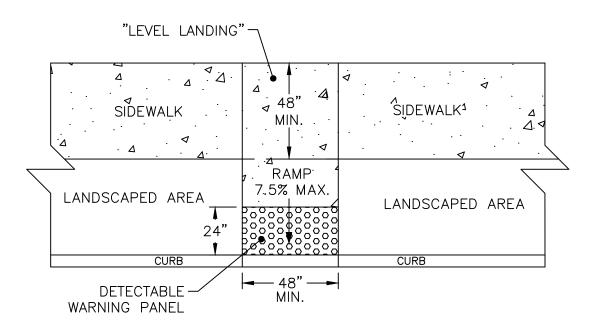
 DO NOT EXTEND BASE GRAVEL AS SHOWN WHEN WALKWAYS AREA ABUTTING ROAD, WALKWAY, OR OTHER HARD SURFACE.

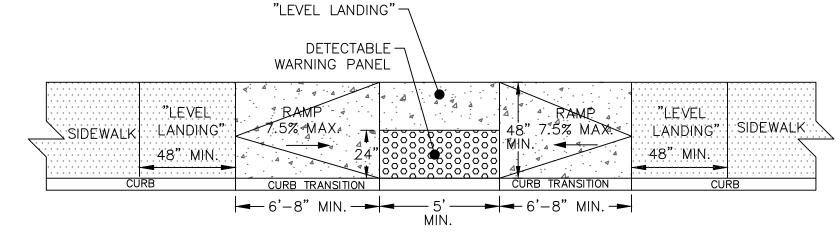


WHEEL STOP NTS

NOTES:

- 1) WHEEL STOPS SHALL BE CONSTRUCTED OF 4,000 PSI CONCRETE (28 DAYS) AND SECURED TO THE GROUND WITH STEEL PINS.
- 2) RUBBER OR OTHER MATERIAL WHEEL STOPS MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.



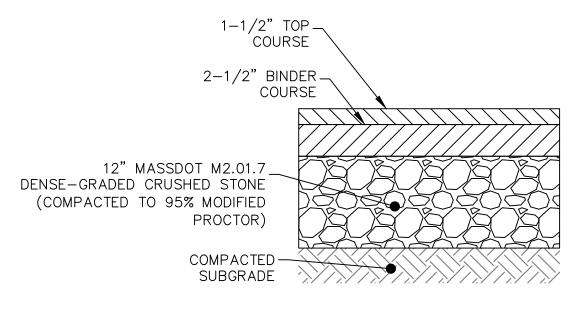


NTS

HANDICAP RAMPS

NOTES:

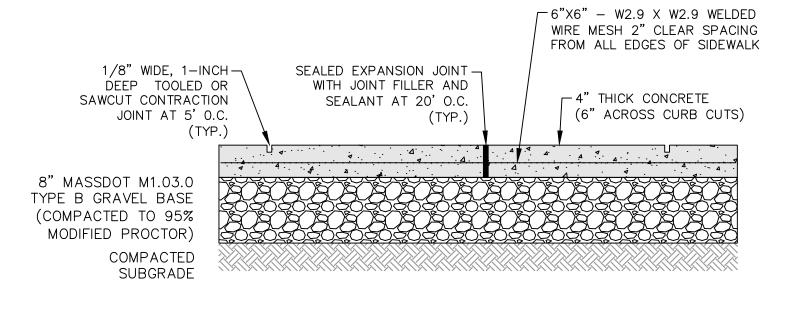
- 1) FOR SIDEWALKS PART OF AN ACCESSIBLE ROUTE, THE MAXIMUM ALLOWABLE RUNNING SLOPE SHALL BE 4.5% AND THE MAXIMUM ALLOWABLE CROSS SLOPE SHALL BE 1.5% (1.0% MIN.).
- 2) "LEVEL LANDING" SHALL BE SLOPED NO MORE THAN 1.5% IN ANY DIRECTION (1.0% MIN. FOR CROSS SLOPE).
- 3) A "LEVEL LANDING" 48" MIN. IN LENGTH MUST BE PROVIDED AT THE BOTTOM OF THE RAMP (IN ROADWAY).



PAVEMENT SECTION

NOTES:

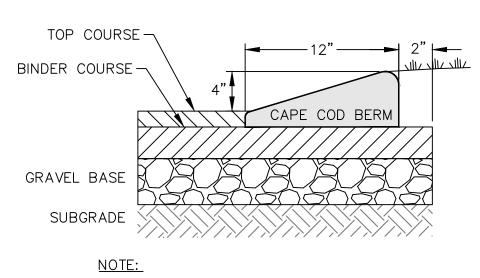
- TAMP ALL ASPHALT EDGES THAT ABUT LAWN, LANDSCAPED OR OTHER SOFT SURFACE.
- 2) <u>BINDER COURSE:</u> MASSDOT M3.11.03, TABLE A, "HMA INTERMEDIATE COURSE DENSE BINDER" OR SUPERPAVE INTERMEDIATE COURSE 19.0MM (MIXTURE DESIGNATION SIC 19.0).
- 3) <u>TOP COURSE:</u> MASSDOT M3.11.03, TABLE A, "SURFACE COURSE STANDARD TOP" OR SUPERPAVE SURFACE COURSE 12.5MM (MIXTURE DESIGNATION SSC 12.5).



CONCRETE SIDEWALK NTS

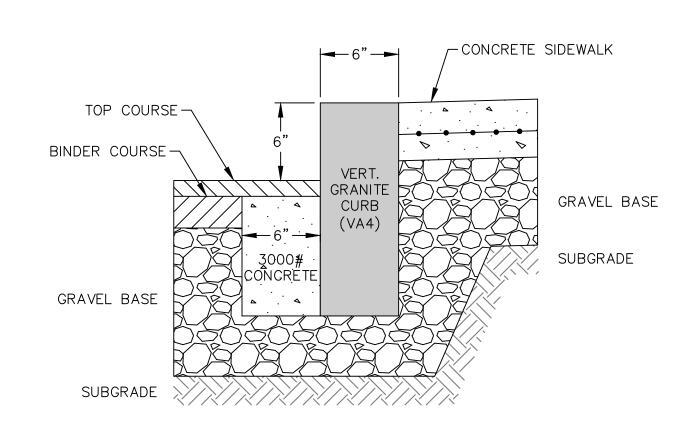
NOTES:

- 1) CONCRETE MIX DESIGN SHALL BE FOR EXTERIOR USE; AIR-ENTRAINED, 4,000 PSI MIN. (28-DAY), 3/4" AGGREGATE.
- 2) WHEN THE WALKWAY ABUTS A STRUCTURE OR EXISTING HARD SURFACE (CONCRETE, ETC,), INSTALL AN EXPANSION JOINT ACROSS THE ENTIRETY OF THE ABUTTING FACE WITH PREFORMED FIBER JOINT FILLER AND FILL WITH 1" DEEP POLYURETHANE JOINT SEALANT.
- 3) WALKWAYS SHALL HAVE A LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF FOOT TRAFFIC. THERE SHALL BE NO SMOOTHED TOOL JOINTS; BROOM FINISH SHALL EXTEND TO THE EDGES OF THE PAD AND ACROSS ANY



 BERM SHALL BE LAID ON BINDER COURSE AND KEYED INTO TOP COURSE.

CAPE COD BERM NTS



VERTICAL GRANITE CURB W/ CONCRETE SIDEWALK NTS





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PREPARED FOR:

C502

