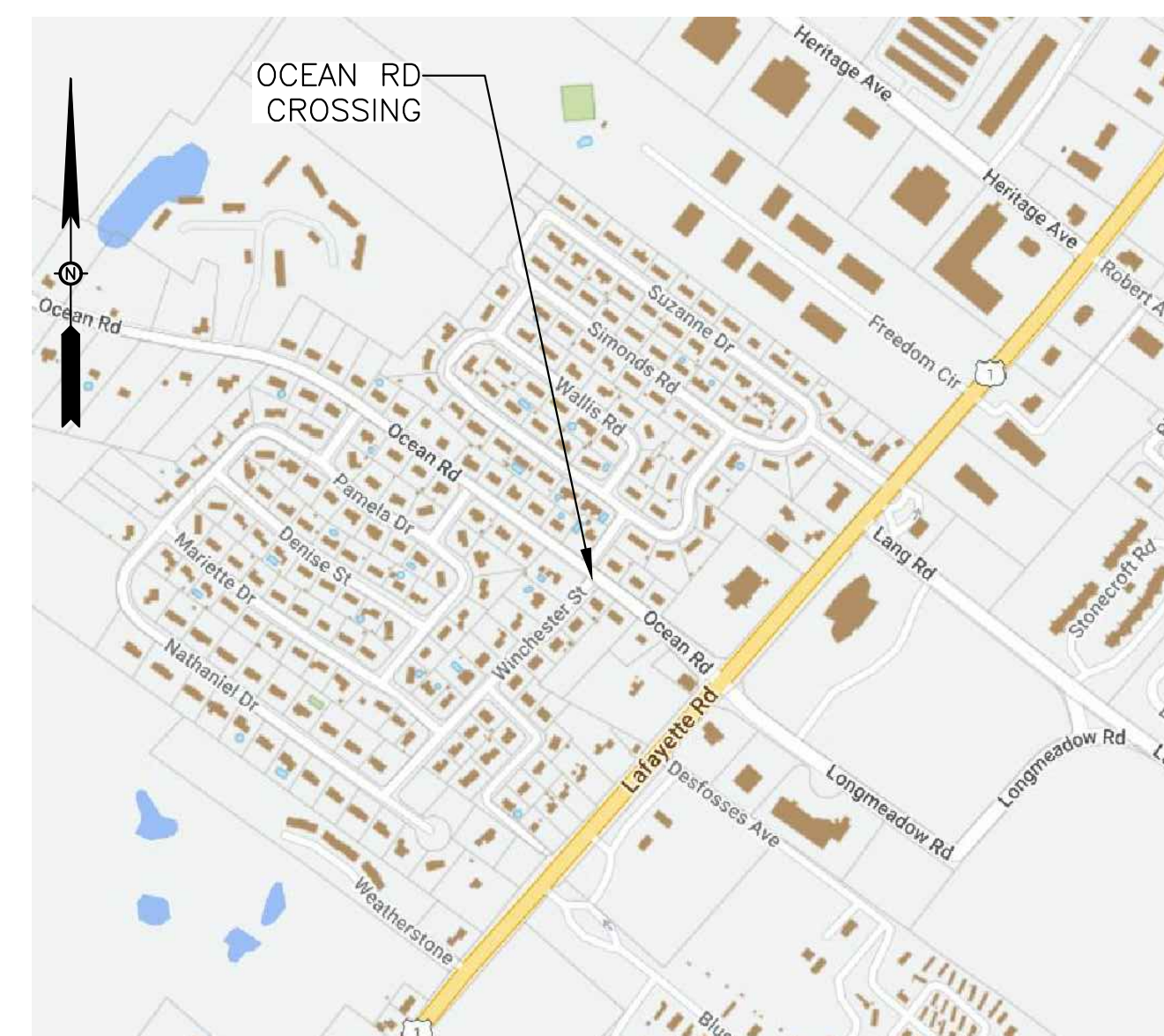


NEIGHBORHOOD SIDEWALK IMPROVEMENTS PROJECT #7246 PORTSMOUTH, NEW HAMPSHIRE



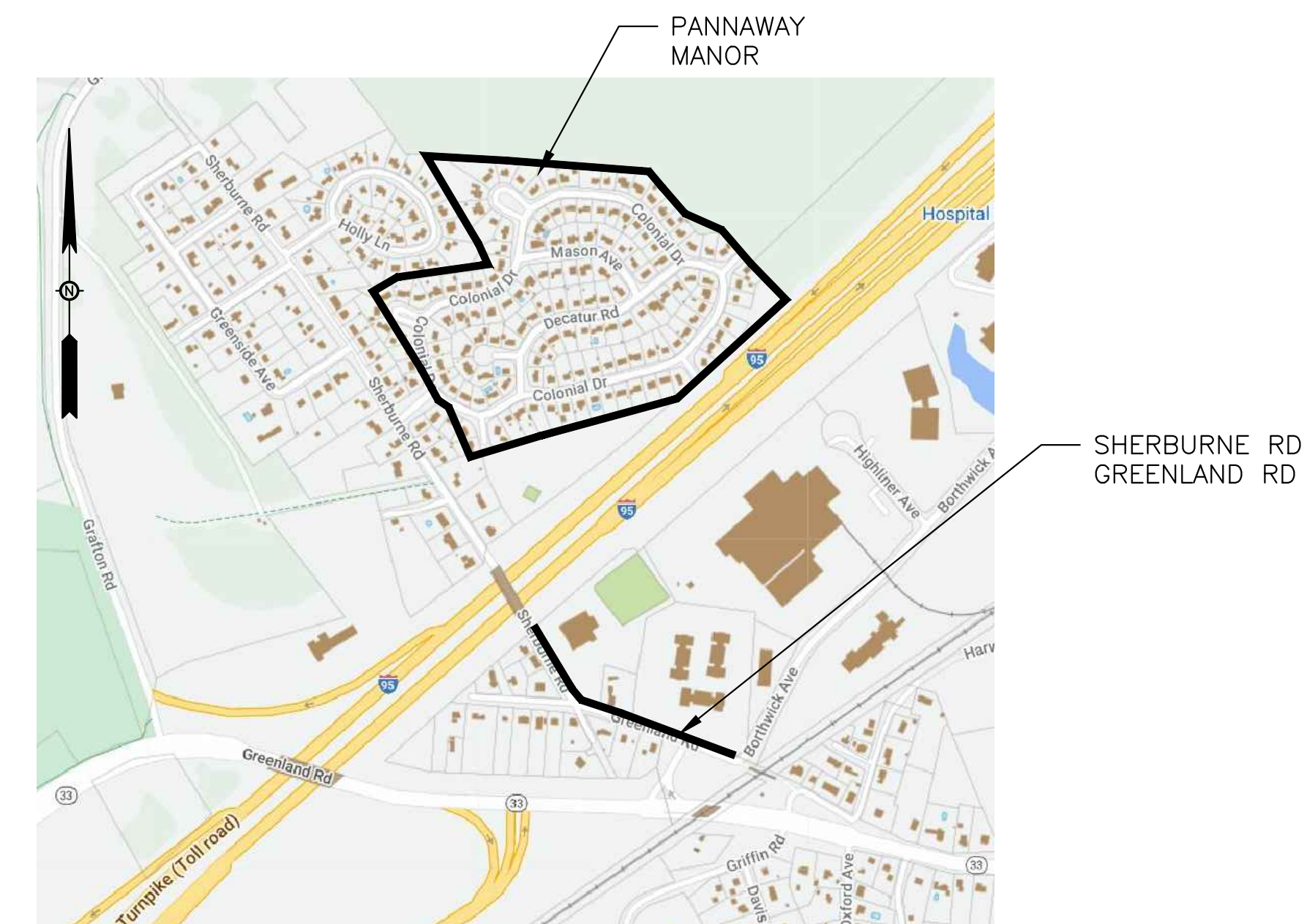
SUMMER 2023

AREA 1



LOCATION MAP
SCALE: N.T.S

AREA 2 and 3



LOCATION MAP
SCALE: N.T.S

INDEX
GENERAL NOTES
PAY ITEM and SPECIFICATION LIST
AREA 1 - OCEAN ROAD CROSSING
AREA 2 - PANNAWAY MANOR
AREA 3 - SHERBURNE & GREENLAND
DETAILS

SHEET NO.
G-100
G-200
C-101
C-201 TO C-210
C-301 TO C-302
C-401 TO C-403

ISSUED FOR BID

12/01/2022

DEPARTMENT OF
PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

0	ISSUED FOR BID	MRB	12/01/22	
NO.	REVISIONS	APP'D	DATE	
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS				
TITLE: COVER SHEET				
DRAWING SCALE: AS SHOWN		DATE: FEBRUARY 2022		
PROJECT NO.: 7246		SHEET: C-000		
APPROVED BY: MRB				

LEGEND:

EXISTING	PROPOSED	
		PROPERTY LINE
		RIGHT-OF-WAY
		BUILDING
		EDGE OF PAVEMENT
		CURB
		SIDEWALK TO BE REMOVED
		SIDEWALK (CONCRETE)
		ADA RAMP
		ADA SYMBOL
		SIGN
		MAILBOX
		SINGLE WHITE LINE
		DOUBLE YELLOW CENTERLINE
		RETAINING WALL
		LOOSE STONE WALL
		FENCE
		GUARDRAIL
		SHRUB
		TREE
		TEMPORARY BENCHMARK
		1' CONTOUR
		WETLANDS
		WETLANDS BOUNDARY
		DRAINAGE
		WATER
		GRAVITY SEWER
		UNDERGROUND TELE.
		U/G POWER
		U/G POWER & COMM.
		OVERHEAD WIRES
		GAS
		FIRE HYDRANT
		UTILITY POLE
		UTILITY POLE w/ LIGHT
		CATCHBASIN
		MANHOLE
		WATER SHUT OFF
		WATER VALVE
		LIMITS OF CONSTRUCTION

DEMOLITION NOTES:

- LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT GUARANTEED. CONTRACTOR SHALL LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR AND/OR RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.
- MATERIAL TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- ANY DAMAGE BY THE CONTRACTOR DURING DEMOLITION AND/OR CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE WORK. NO FEES WILL BE CHARGED.
- CONTRACTOR SHALL REMOVE TREES AND BRUSH AS INDICATED AND AS REQUIRED FOR COMPLETION OF THE WORK. ALL STUBS SHALL BE REMOVED AND SURFACES GRUBBED WITHIN THE LIMITS OF WORK.
- ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE COORDINATED WITH THE CITY OF PORTSMOUTH.
- CONTRACTOR SHALL PROTECT ALL FENCES, MAILBOXES, STRUCTURES, ETC. THROUGHOUT THE COMPLETION OF THE WORK.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION WORK. THIS INCLUDES SILT FENCE / SILT SOCK AND INLET PROTECTION BARRIERS.
- CONTRACTOR SHALL SAWCUT PAVEMENT AT EDGES OF TRENCHES FOR CLEAN VERTICAL EDGES.
- CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS ACCESS TO RESIDENTIAL PROPERTIES THROUGHOUT THE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE UTILITIES.
- CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO ANY WORK STARTING. CONTRACTOR REQUIRED TO MAINTAIN AN ACTIVE DIG-SAFE PERMIT THROUGHOUT THE DURATION OF CONSTRUCTION.

GRADING NOTES:

- CONTRACTOR SHALL PROVIDE SIDEWALK WITH SLOPES SHOWN IN THE DETAILS. GRADING ADJACENT TO SIDEWALKS SHALL PROVIDE POSITIVE PITCH SO AS TO NOT CAUSE PONDING ON THE SIDEWALK AND AT DRIVEWAYS.
- ALL WATER SHUT OFF VALVE BOXES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADES.
- ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM, SEED FERTILIZER AND MULCH.
- CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM REQUIREMENTS FOR COMPACTION:

BELOW PAVEMENT AND CONCRETE AREAS:	95%
TRENCH BEDDING AND BACKFILL:	95%
BELOW LOAM AND SEED AREAS:	90%

 COMPACTION PERCENTAGES SHALL BE THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D-1557, METHOD C. FIELD DENSITY TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM D-1556 OR ASTM-2922.

SITE NOTES:

- ALL WORK SHALL CONFORM TO THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS.
- MATERIALS AND CONSTRUCTION SHALL COMPLY TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE FINAL LAYOUT OF SIDEWALK WITH THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE CITY OF PORTSMOUTH FOR APPROVAL.
- CONTRACTOR SHALL BE FAMILIAR WITH ALL AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS FOR ACCESSIBILITY.
- SIDEWALKS PERMANENTLY REMOVED SHALL BE LOAMED, GRADED AND SEEDED. PLACEMENT OF LOAM SHALL BE DONE WITH WHEELBARROW AND GRADED BY HAND (NO MECHANICAL EQUIPMENT).
- IT IS UNKNOWN IF THERE ARE PRIVATE IRRIGATION LINES THROUGHOUT THE SITE. NOTIFY THE ENGINEER IMMEDIATELY IF IRRIGATION LINES ARE ENCOUNTERED.
- CONTRACTOR SHALL MINIMIZE EQUIPMENT USED UNDER TREE CANOPIES. CARE SHALL BE TAKEN TO NOT DAMAGE TREES THAT ARE REMAINING.

ABBREVIATIONS:

R&R	REMOVE AND RESET
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
ADJ	ADJUST FRAME


 DEPARTMENT OF
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 CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530

0	ISSUED FOR BID	MRB	12/01/22	
NO.	REVISIONS	APP'D	DATE	
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS				
TITLE: GENERAL NOTES				
DRAWING SCALE: AS SHOWN		DATE: FEBRUARY 2022		
PROJECT NO.: 7246		SHEET: G-100		
APPROVED BY: MRB				

BASE BID (AREA 2 – PANNAWAY MANOR) – SCHEDULE OF QUANTITIES

Pay Item	Description	Units	QTY	Notes	Specification
201.22	Remove Large Trees	EA	26		Special Provision
201.4	Stump removal	EA	28		Special Provision
202.21	Removal of Existing Sidewalks, Driveway Aprons & Roadway Pavement	SY	3500		NHDOT
203.1	Common Excavation	CY	650		NHDOT
214	Fine Grading (Sidewalks & Driveways)	SY	2750		Special Provision
304.3	Crushed Gravel in Place (Sidewalks & Driveway)	CY	650		Special Provision
403.12	Hot Bituminous Pavement, Hand Method (Misc.)	TN	110		Special Provision
520	Class B Curb Backfill	CY	5		NHDOT
608.24	4" Concrete Sidewalk & Pads	SY	2000		Special Provision
608.26	6" Concrete Sidewalk (ADA Ramps)	SY	70		Special Provision
608.54	ADA Detectable Warning Tile, Cast Iron	SF	216		Special Provision
609.015	New 5" Straight Vertical Granite Curb	LF	40		Special Provision
609.025	New 5" Curved Vertical Granite Curb	LF	30		Special Provision
609.5	Reset Existing Granite Curb	LF	25		Special Provision
611.5001	Curb Stop Riser Assembly	EA	50	*	Special Provision
611.5001	Valve Gate Box Top at WSO	EA	50	*	Special Provision
611.5001	1" Corp and Curb	EA	10	*	Special Provision
611.5011	1" Copper Water Service	LF	200	*	Special Provision
618.7	Uniformed Flaggers	Allow	20000		Special Provision
619.1	Maintenance of Traffic	LS	1		Special Provision
628.2	Sawcut (Curbing)	LF	100		Special Provision
640	Reconstruct Existing Landscaping	LS	1		Special Provision
640	Repairs to Irrigation Systems	Allow	1000		Special Provision
641	Loam	CY	800		Special Provision
645	Catch Basin Silt Sack	EA	8		NHDOT
646.31	Turf Establishment (Hydroseed) (Fertilizer, Mulch & Tackifier)	SY	4300		Special Provision
692	Mobilization	LS	1		NHDOT

ADD/ALT 2 (AREA 1– OCEAN ROAD) – SCHEDULE OF QUANTITIES

Pay Item	Description	Units	QTY	Notes	Specification
202.21	Removal of Existing Sidewalks, Driveway Aprons & Roadway Pavement	SY	225		NHDOT
203.1	Common Excavation	CY	100		NHDOT
203.6	Embankment In Place	CY	65		NHDOT
214	Fine Grading (Sidewalks & Driveways)	SY	250		Special Provision
304.3	Crushed Gravel in Place (Sidewalks & Driveway)	CY	60		Special Provision
403.12	Hot Bituminous Pavement, Hand Method (Misc.)	TN	12		Special Provision
520	Class B Curb Backfill	CY	6		NHDOT
608.24	4" Concrete Sidewalk & Pads	SY	210		Special Provision
608.26	6" Concrete Sidewalk (ADA Ramps)	SY	20		Special Provision
608.54	ADA Detectable Warning Tile, Cast Iron	SF	50		Special Provision
609.015	New 5" Straight Vertical Granite Curb	LF	130		Special Provision
609.025	New 5" Curved Vertical Granite Curb	LF	30		Special Provision
615.0071	New Steel Sign Posts	EA	2		Special Provision
615.02	New Traffic Sign	SF	3		Special Provision
615.024	Relocate Existing Sign and Post	EA	3		Special Provision
616.261	Rectangular Rapid Flashing Beacon (RRFB) System	EA	1		Special Provision
618.6	Uniformed Officers	Allow	10000		Special Provision
618.7	Uniformed Flaggers	Allow	10000		Special Provision
619.1	Maintenance of Traffic	LS	1		Special Provision
628.2	Sawcut (Curbing)	LF	160		Special Provision
632.3106	Pavement Markings, 6" Thermoplastic (Crosswalks)	LF	100		NHDOT
632.3112	Pavement Markings, 12" Thermoplastic (Crosswalk & Stop Bars)	LF	140		NHDOT
640	Repairs to Irrigation Systems	Allow	250		Special Provision
641	Loam	CY	45		Special Provision
645	Catch Basin Silt Sack	EA	2		NHDOT
646.31	Turf Establishment (Hydroseed) (Fertilizer, Mulch & Tackifier)	SY	300		Special Provision
692	Mobilization	LS	1		NHDOT

ADD/ALT 2 (AREA 3– GREENLAND ROAD & SHERBURNE ROAD) – SCHEDULE OF QUANTITIES

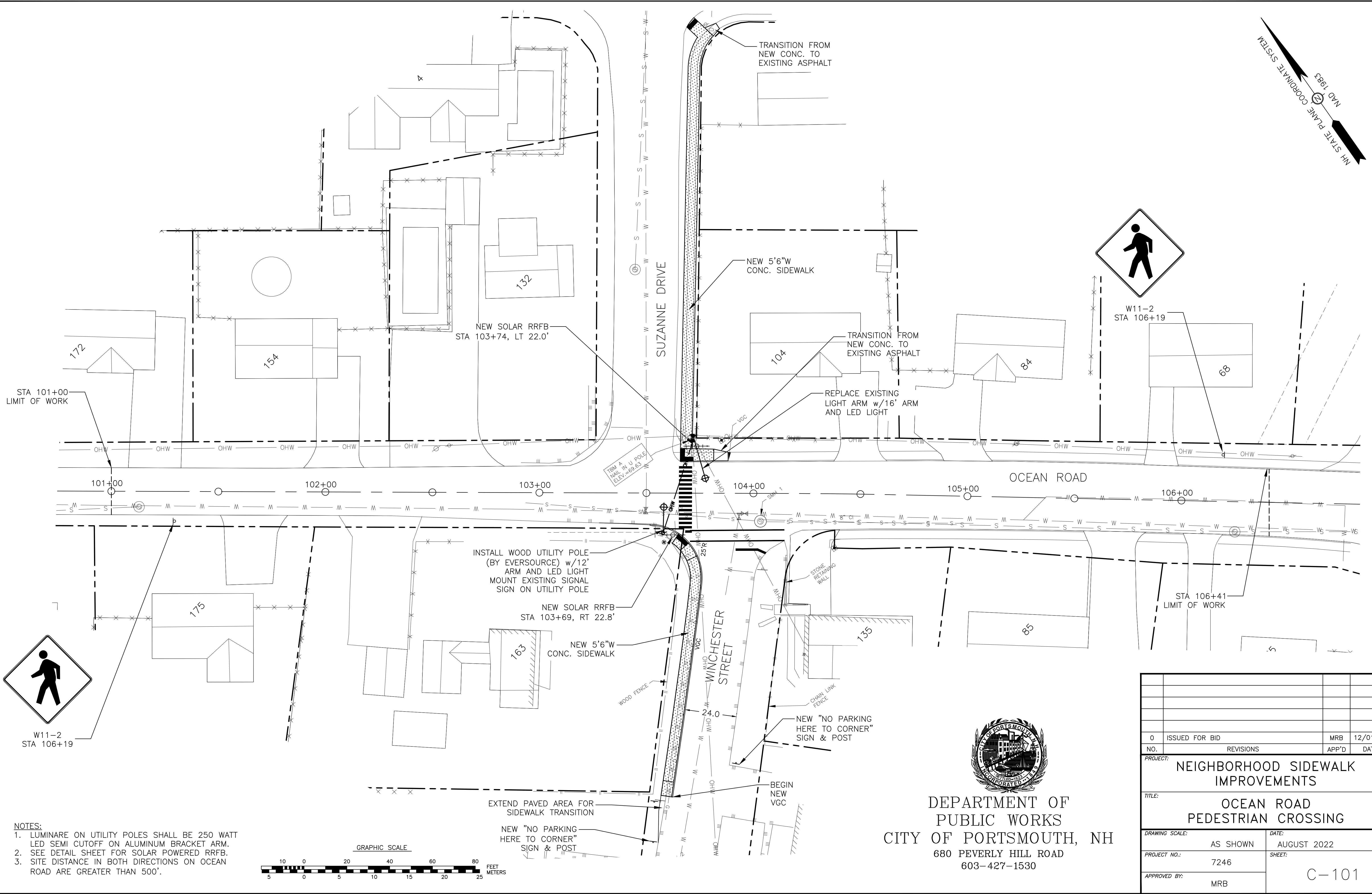
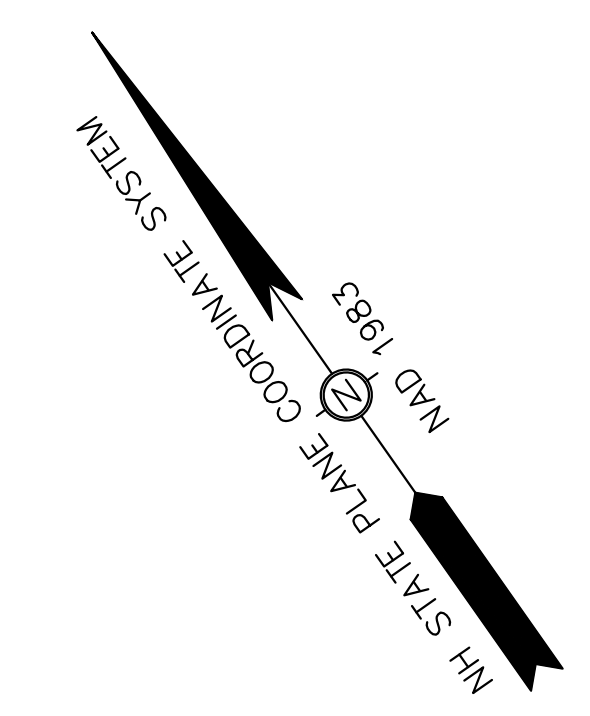
Pay Item	Description	Units	QTY	Notes	Specification
201.1	Clearing Shrubs & Grubbing	LS	1		Special Provision
202.21	Removal of Existing Sidewalks, Driveway Aprons & Roadway Pavement	SY	1500		NHDOT
203.1	Common Excavation	CY	300		NHDOT
203.6	Embankment In Place	CY	200		NHDOT
214	Fine Grading (Sidewalks & Driveways)	SY	1100		Special Provision
304.3	Crushed Gravel in Place (Sidewalks & Driveway)	CY	300		Special Provision
304.33	Crushed Aggregate Shoulders	CY	15		NHDOT
403.12	Hot Bituminous Pavement, Hand Method (Misc.)	TN	50		Special Provision
520	Class B Curb Backfill	CY	60		NHDOT
604.72B	Provide and Install CB Frame & Grate (Inlet Style)	EA	1		NHDOT
607	Wood Fence	LF	100		Detail
608.24	4" Concrete Sidewalk & Pads	SY	790		Special Provision
608.26	6" Concrete Sidewalk (ADA Ramps)	SY	40		Special Provision
608.54	ADA Detectable Warning Tile, Cast Iron	SF	70		Special Provision
609.015	New 5" Straight Vertical Granite Curb	LF	900		Special Provision
609.025	New 5" Curved Vertical Granite Curb	LF	50		Special Provision
609.5	Reset Existing Granite Curb	LF	325		Special Provision
615.0071	New Steel Sign Posts	EA	6		Special Provision
615.02	New Traffic Sign	SF	50		Special Provision
615.024	Relocate Existing Sign and Post	EA	2		Special Provision
618.6	Uniformed Officers	Allow	20000		Special Provision
618.7	Uniformed Flaggers	Allow	20000		Special Provision
619.1	Maintenance of Traffic	LS	1		Special Provision
628.2	Sawcut (Curbing)	LF	1500		Special Provision
632.0104	Pavement Markings, 4" Paint Striping (Chlorinated Rubber Paint)	LF	50		NHDOT
632.3106	Pavement Markings, 6" Thermoplastic (Crosswalks)	LF	50		NHDOT
632.3112	Pavement Markings, 12" Thermoplastic (Crosswalk & Stop Bars)	LF	120		NHDOT
632.911	Obliterate Pavement Marking	LF	200		NHDOT
640	Reconstruct Existing Landscaping	LS	1		Special Provision
640	Repairs to Irrigation Systems	Allow	250		Special Provision
641	Loam	CY	225		Special Provision
645	Catch Basin Silt Sack	EA	3		NHDOT
645.631	Silt Fence or Silt Log	LF	250		NHDOT
646.31	Turf Establishment (Hydroseed) (Fertilizer, Mulch & Tackifier)	SY	1000		Special Provision
670	Relocate Existing Mailbox on New Post	EA	1		Detail
692	Mobilization	LS	1		NHDOT

* = ESTIMATED AND/OR INDETERMINATE QUANTITY ITEM. QUANTITY UNKNOWN AND TO BE VERIFIED PRIOR TO PURCHASE OF MATERIAL

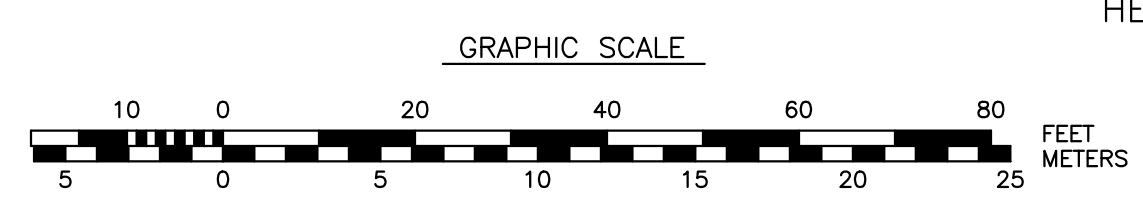


DEPARTMENT OF
PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

0	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: PAY ITEM and SPECIFICATION LIST			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	G-200
APPROVED BY:	MRB		

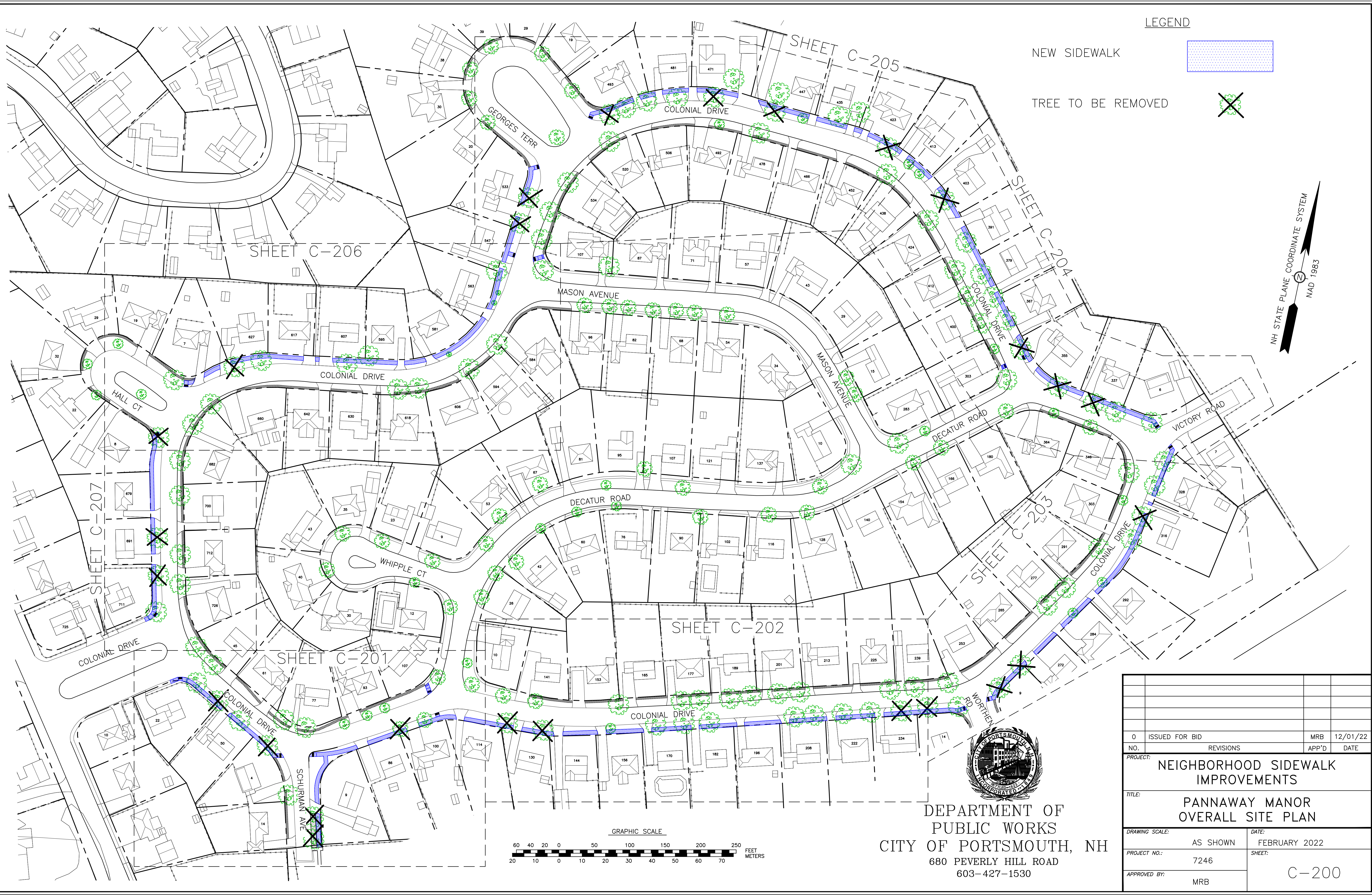


- NOTES:**
- LUMINARE ON UTILITY POLES SHALL BE 250 WATT LED SEMI CUTOFF ON ALUMINUM BRACKET ARM.
 - SEE DETAIL SHEET FOR SOLAR POWERED RRFB.
 - SITE DISTANCE IN BOTH DIRECTIONS ON OCEAN ROAD ARE GREATER THAN 500'.


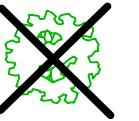


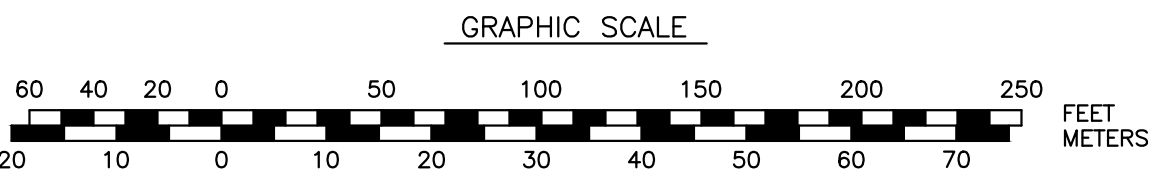
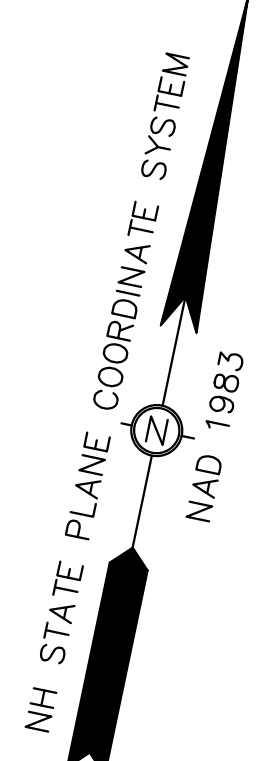

DEPARTMENT OF PUBLIC WORKS
CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530


0	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: OCEAN ROAD PEDESTRIAN CROSSING			
DRAWING SCALE:	AS SHOWN	DATE:	AUGUST 2022
PROJECT NO.:	7246	SHEET:	C-101
APPROVED BY:	MRB		



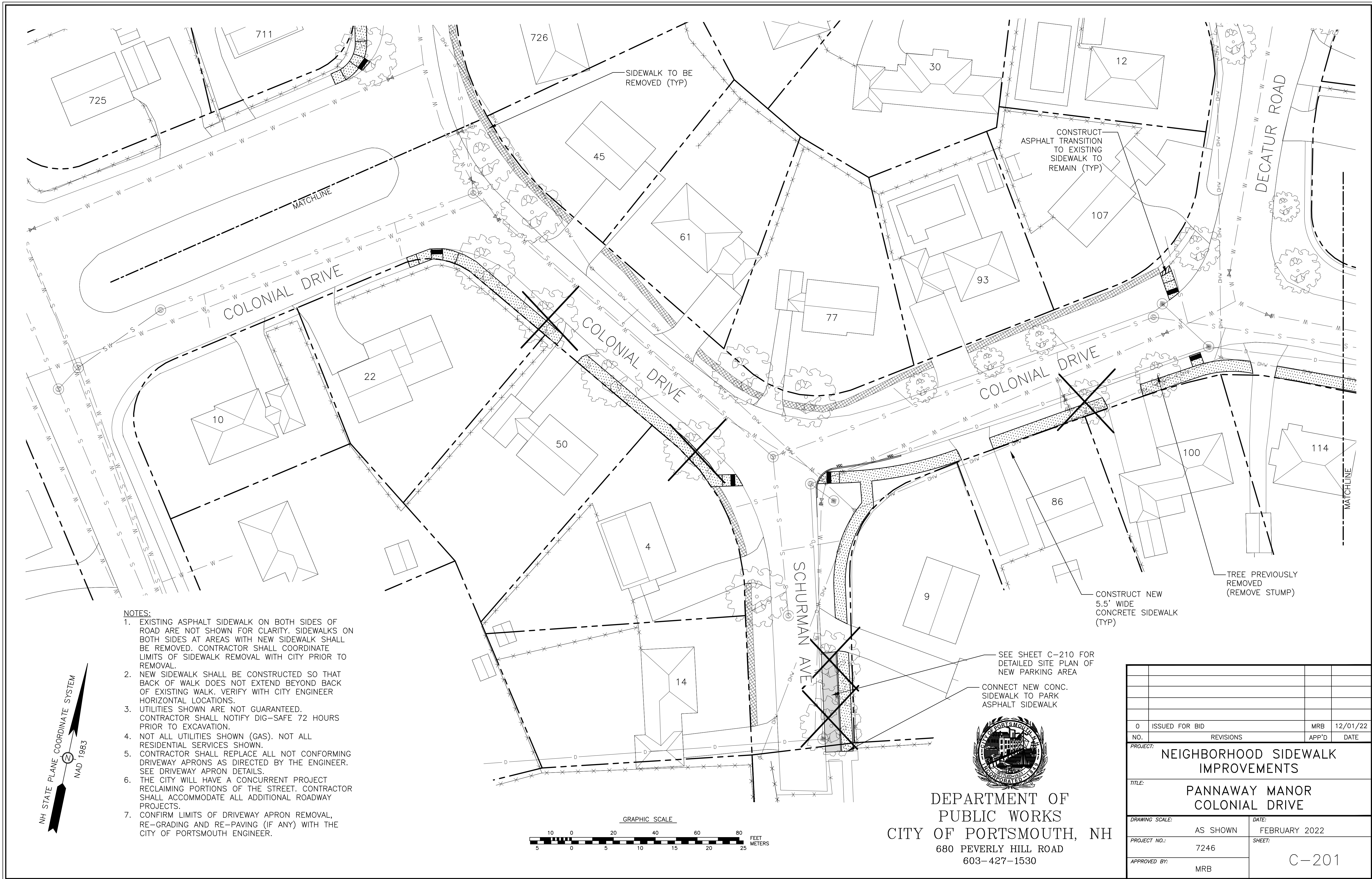
LEGEND

- NEW SIDEWALK 
- TREE TO BE REMOVED 

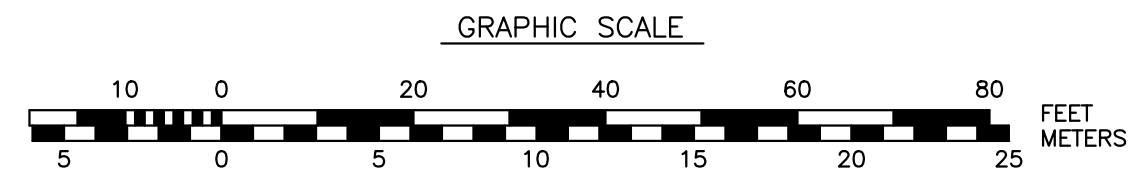
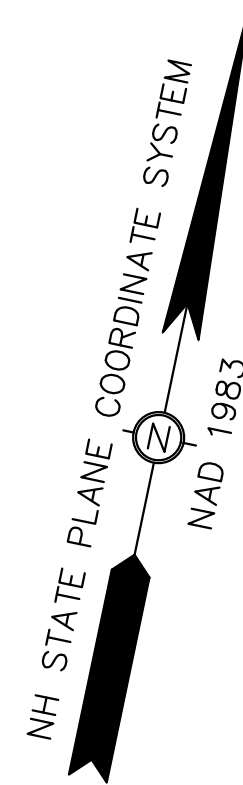



 DEPARTMENT OF
 PUBLIC WORKS
 CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530

0	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: PANNAWAY MANOR OVERALL SITE PLAN			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-200
APPROVED BY:	MRB		



- NOTES:**
- EXISTING ASPHALT SIDEWALK ON BOTH SIDES OF ROAD ARE NOT SHOWN FOR CLARITY. SIDEWALKS ON BOTH SIDES AT AREAS WITH NEW SIDEWALK SHALL BE REMOVED. CONTRACTOR SHALL COORDINATE LIMITS OF SIDEWALK REMOVAL WITH CITY PRIOR TO REMOVAL.
 - NEW SIDEWALK SHALL BE CONSTRUCTED SO THAT BACK OF WALK DOES NOT EXTEND BEYOND BACK OF EXISTING WALK. VERIFY WITH CITY ENGINEER HORIZONTAL LOCATIONS.
 - UTILITIES SHOWN ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO EXCAVATION.
 - NOT ALL UTILITIES SHOWN (GAS). NOT ALL RESIDENTIAL SERVICES SHOWN.
 - CONTRACTOR SHALL REPLACE ALL NOT CONFORMING DRIVEWAY APRONS AS DIRECTED BY THE ENGINEER. SEE DRIVEWAY APRON DETAILS.
 - THE CITY WILL HAVE A CONCURRENT PROJECT RECLAIMING PORTIONS OF THE STREET. CONTRACTOR SHALL ACCOMMODATE ALL ADDITIONAL ROADWAY PROJECTS.
 - CONFIRM LIMITS OF DRIVEWAY APRON REMOVAL, RE-GRADING AND RE-PAVING (IF ANY) WITH THE CITY OF PORTSMOUTH ENGINEER.



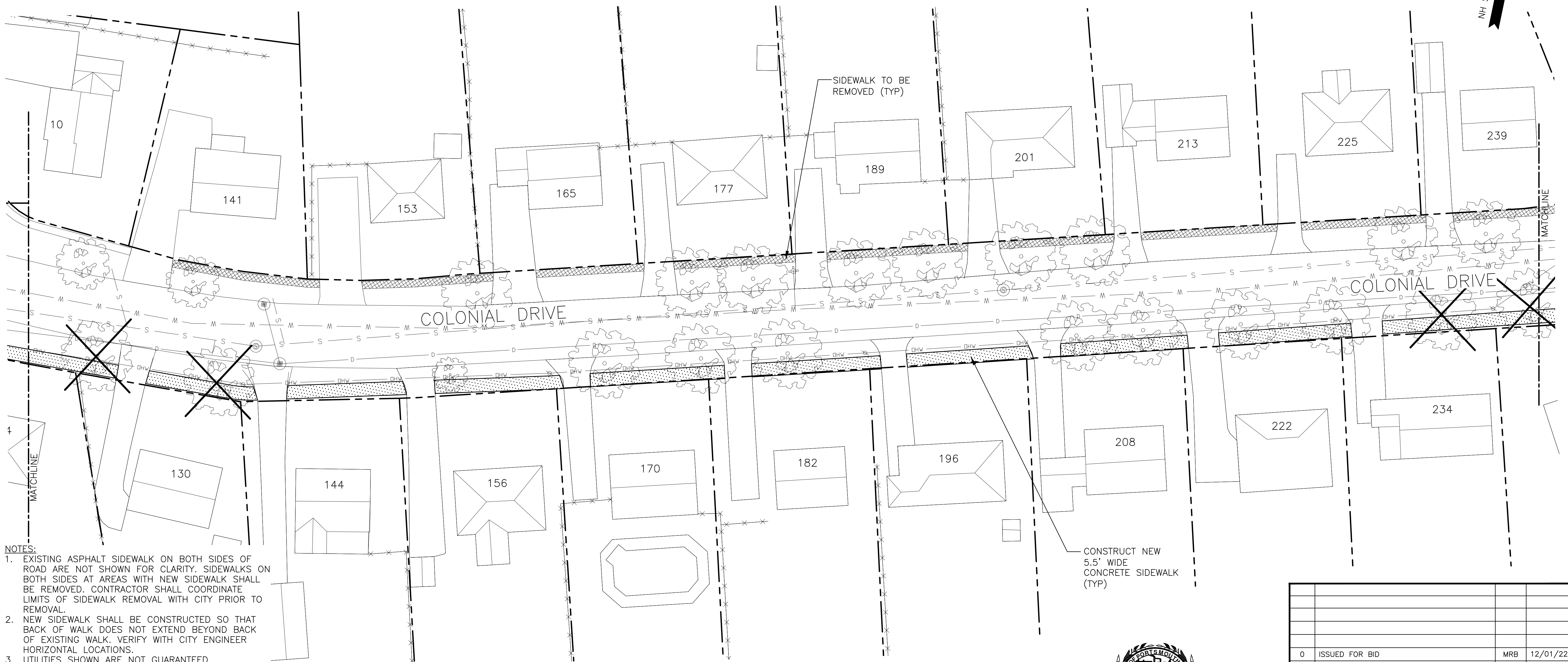
SEE SHEET C-210 FOR DETAILED SITE PLAN OF NEW PARKING AREA

CONNECT NEW CONC. SIDEWALK TO PARK ASPHALT SIDEWALK

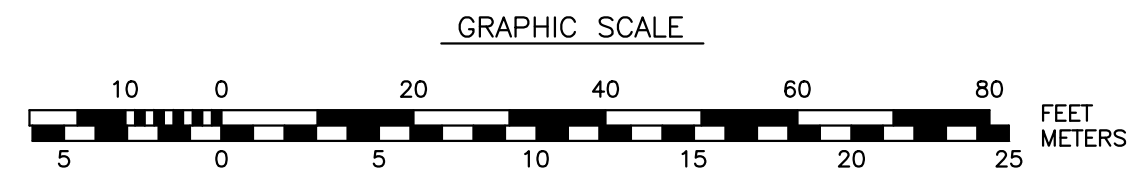
DEPARTMENT OF PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530


0	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: PANNAWAY MANOR COLONIAL DRIVE			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-201
APPROVED BY:	MRB		

NH STATE PLANE COORDINATE SYSTEM
NAD 1983

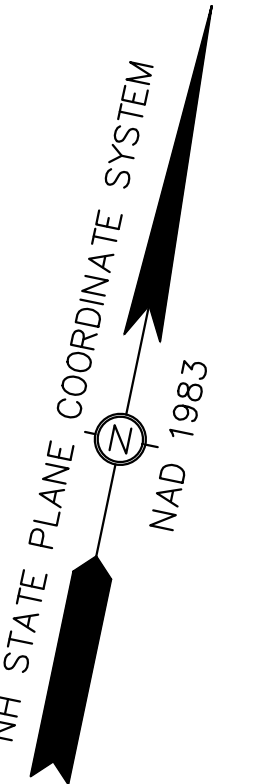
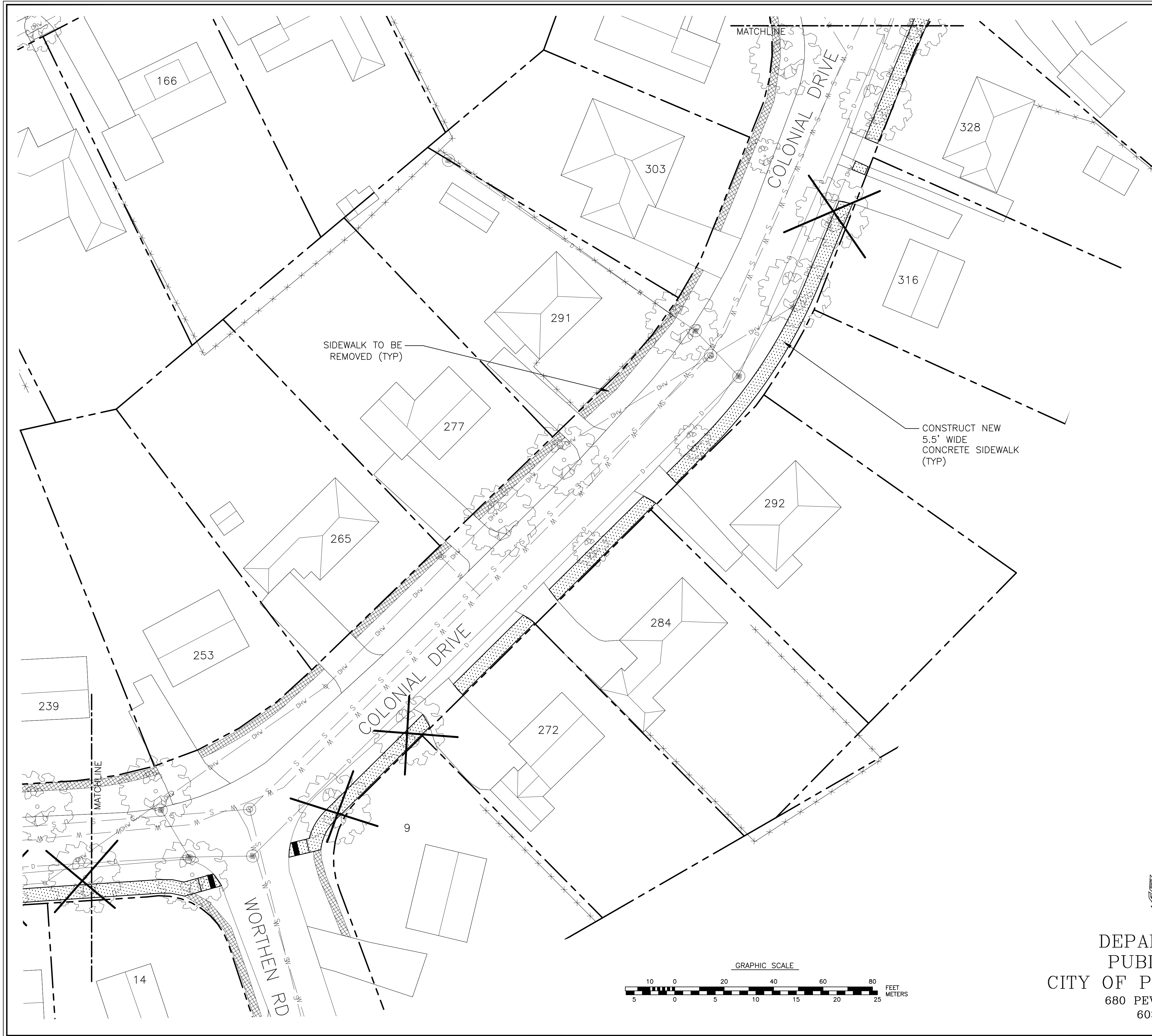


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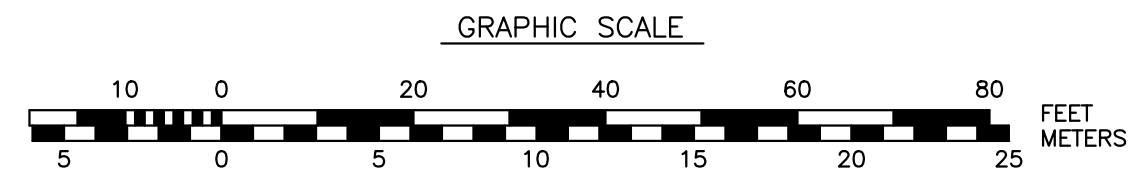



 DEPARTMENT OF
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TITLE: PANNAWAY MANOR COLONIAL DRIVE			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-202
APPROVED BY:	MRB		



- NOTES:**
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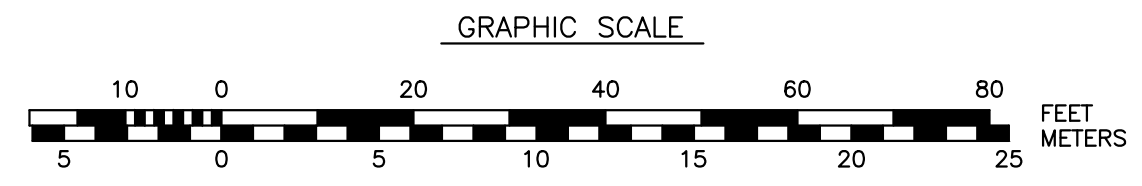
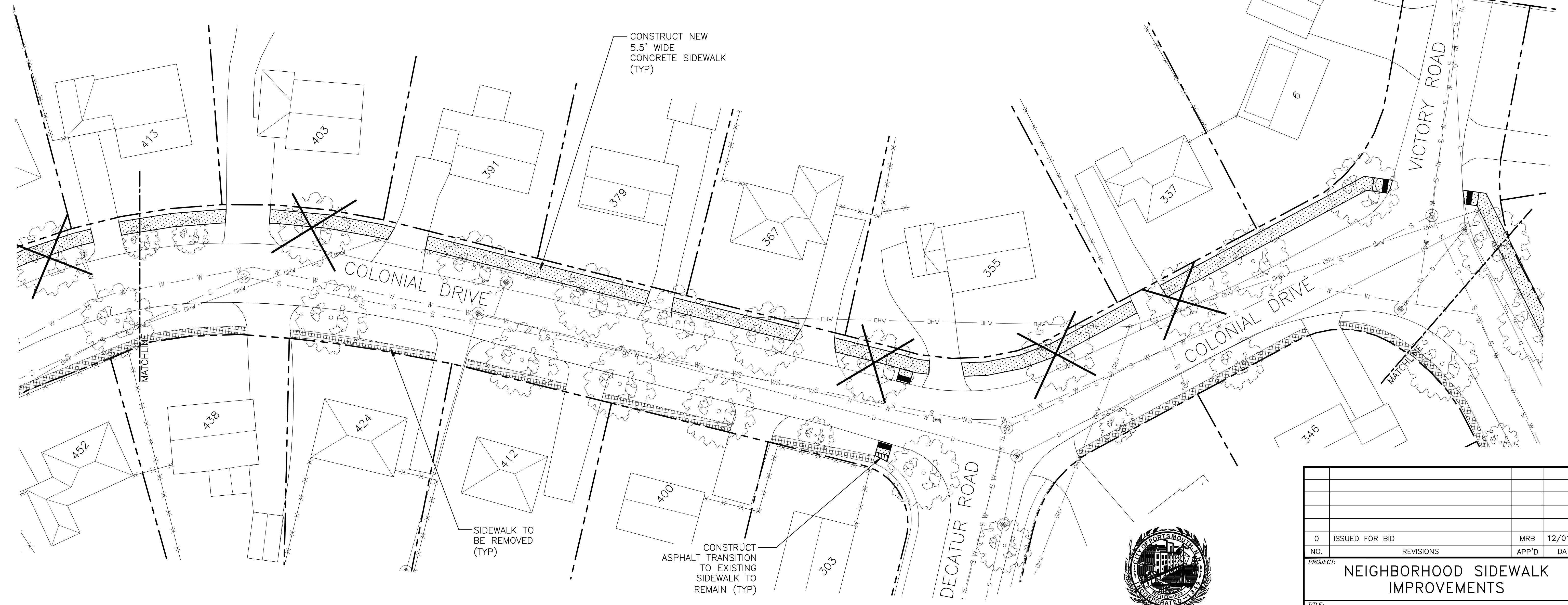
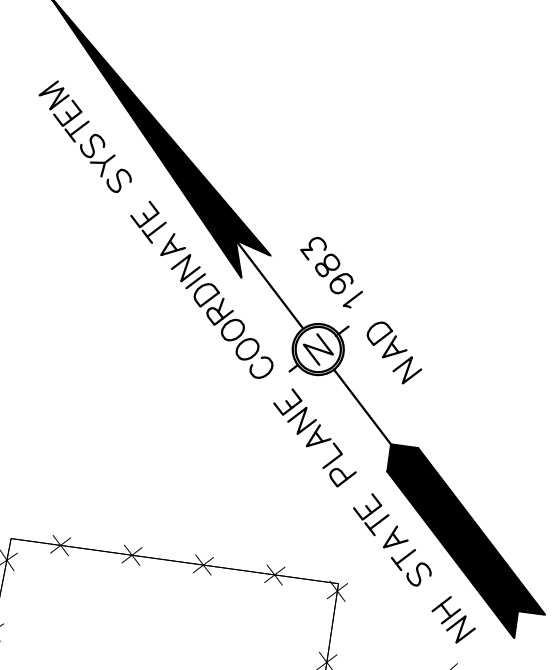


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TITLE: PANNAWAY MANOR COLONIAL DRIVE			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-203
APPROVED BY:	MRB		

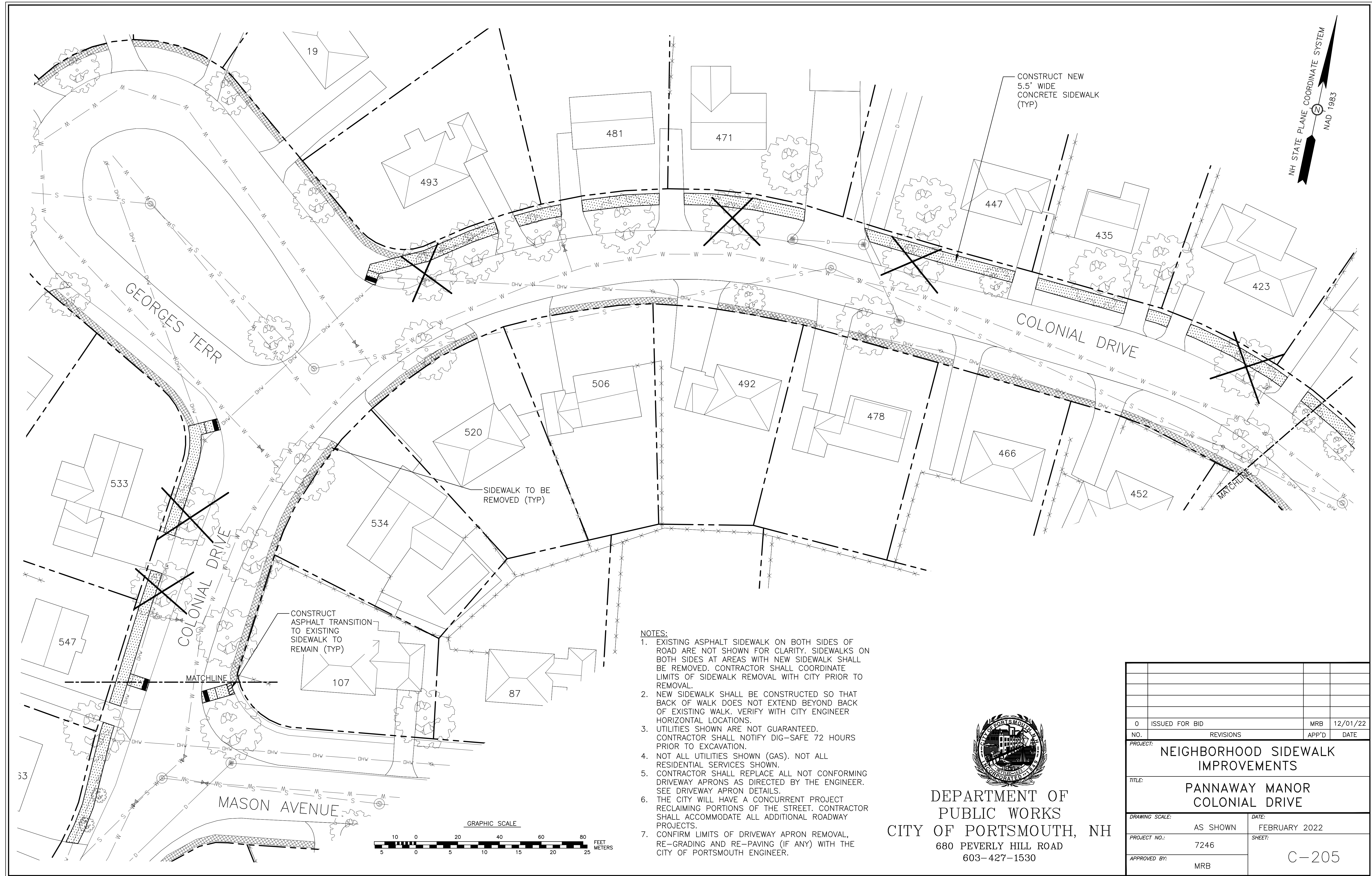
NOTES:

1. EXISTING ASPHALT SIDEWALK ON BOTH SIDES OF ROAD ARE NOT SHOWN FOR CLARITY. SIDEWALKS ON BOTH SIDES AT AREAS WITH NEW SIDEWALK SHALL BE REMOVED. CONTRACTOR SHALL COORDINATE LIMITS OF SIDEWALK REMOVAL WITH CITY PRIOR TO REMOVAL.
2. NEW SIDEWALK SHALL BE CONSTRUCTED SO THAT BACK OF WALK DOES NOT EXTEND BEYOND BACK OF EXISTING WALK. VERIFY WITH CITY ENGINEER HORIZONTAL LOCATIONS.
3. UTILITIES SHOWN ARE NOT GUARANTEED. CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO EXCAVATION.
4. NOT ALL UTILITIES SHOWN (GAS). NOT ALL RESIDENTIAL SERVICES SHOWN.
5. CONTRACTOR SHALL REPLACE ALL NOT CONFORMING DRIVEWAY APRONS AS DIRECTED BY THE ENGINEER. SEE DRIVEWAY APRON DETAILS.
6. THE CITY WILL HAVE A CONCURRENT PROJECT RECLAIMING PORTIONS OF THE STREET. CONTRACTOR SHALL ACCOMMODATE ALL ADDITIONAL ROADWAY PROJECTS.
7. CONFIRM LIMITS OF DRIVEWAY APRON REMOVAL, RE-GRADING AND RE-PAVING (IF ANY) WITH THE CITY OF PORTSMOUTH ENGINEER.

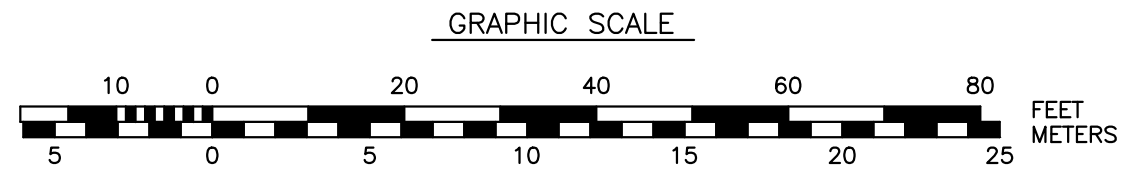



DEPARTMENT OF
PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

0	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: PANNAWAY MANOR COLONIAL DRIVE			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-204
APPROVED BY:	MRB		



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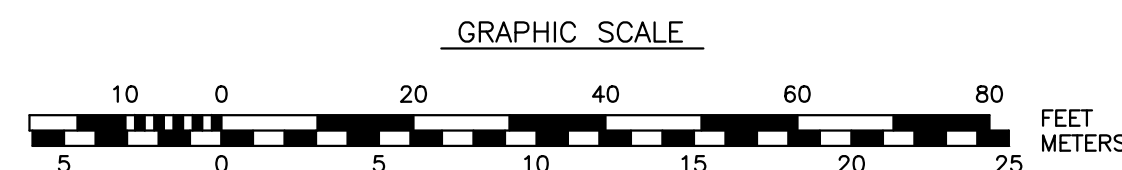
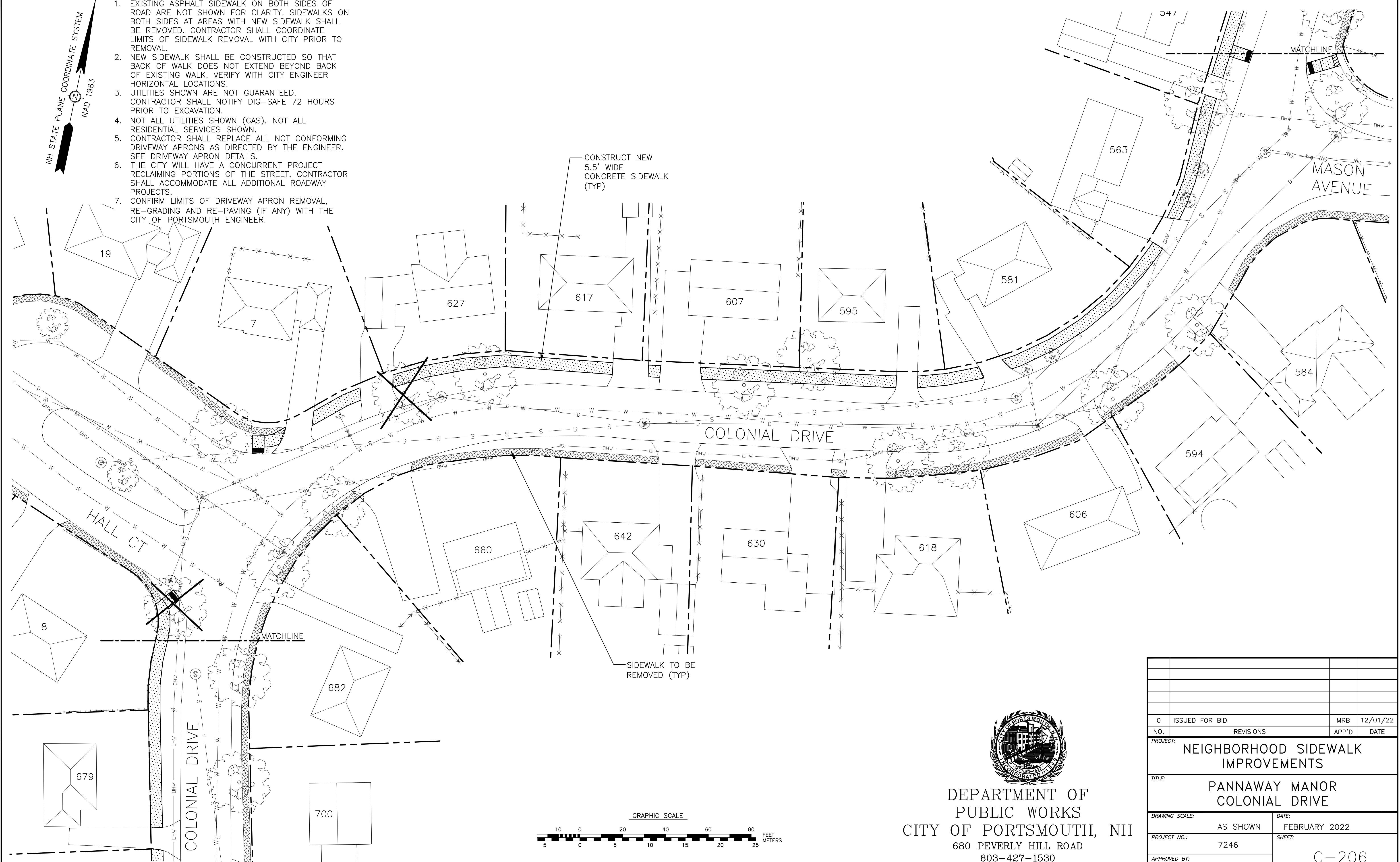

DEPARTMENT OF PUBLIC WORKS
CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530

0	ISSUED FOR BID	MRB	12/01/22	
NO.	REVISIONS	APP'D	DATE	
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS				
TITLE: PANNAWAY MANOR COLONIAL DRIVE				
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022	
PROJECT NO.:	7246	SHEET:	C-205	
APPROVED BY:	MRB			

NH STATE PLANE COORDINATE SYSTEM
NAD 1983

NOTES:

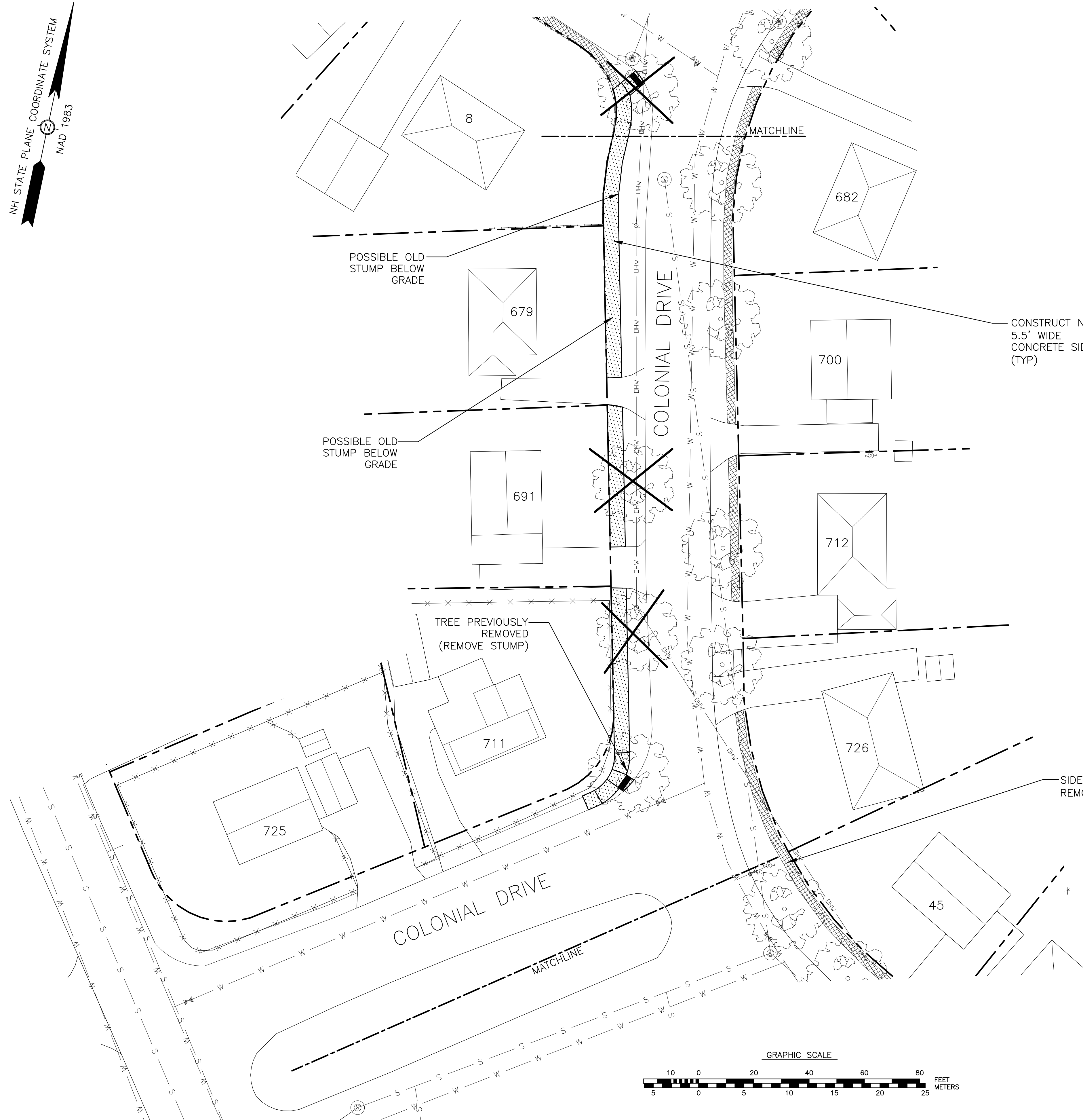
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DEPARTMENT OF
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CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

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NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: PANNAWAY MANOR COLONIAL DRIVE			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-206
APPROVED BY:	MRB		

NH STATE PLANE COORDINATE SYSTEM
NAD 1983

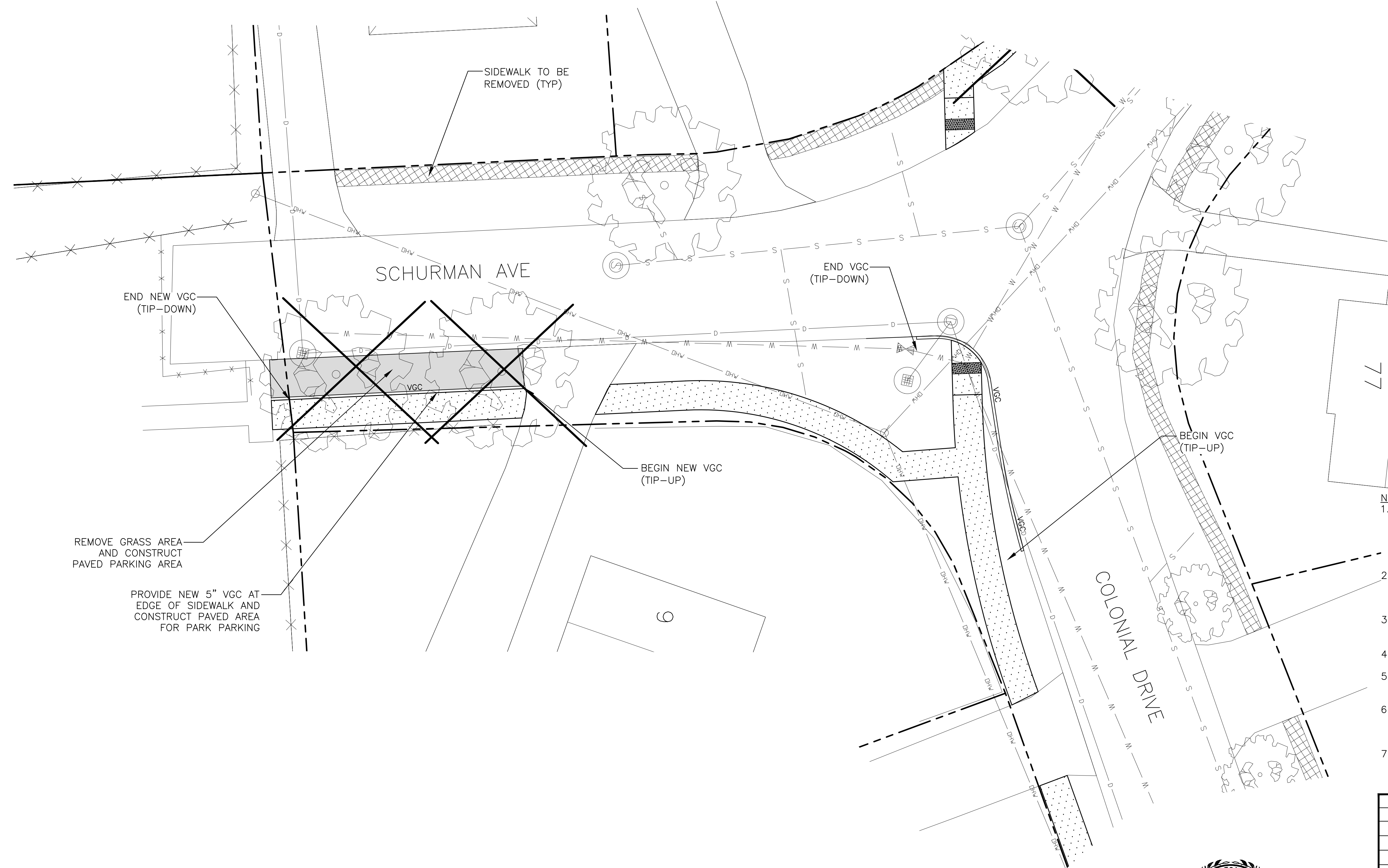


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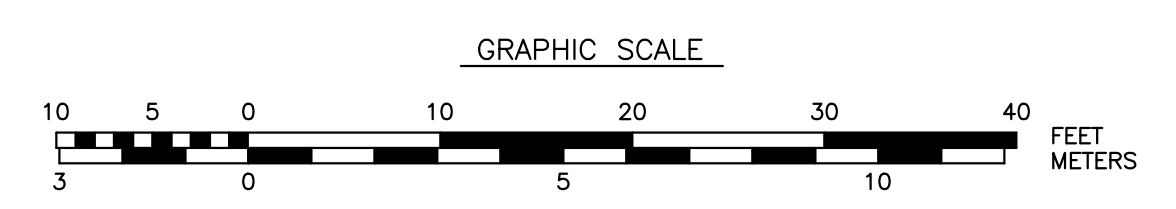

 DEPARTMENT OF
 PUBLIC WORKS
 CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530

0	ISSUED FOR BID	MRB	12/01/22	
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PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS				
TITLE: PANNAWAY MANOR COLONIAL DRIVE				
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022	
PROJECT NO.:	7246	SHEET:	C-207	
APPROVED BY:	MRB			

NH STATE PLANE COORDINATE SYSTEM
NAD 1983

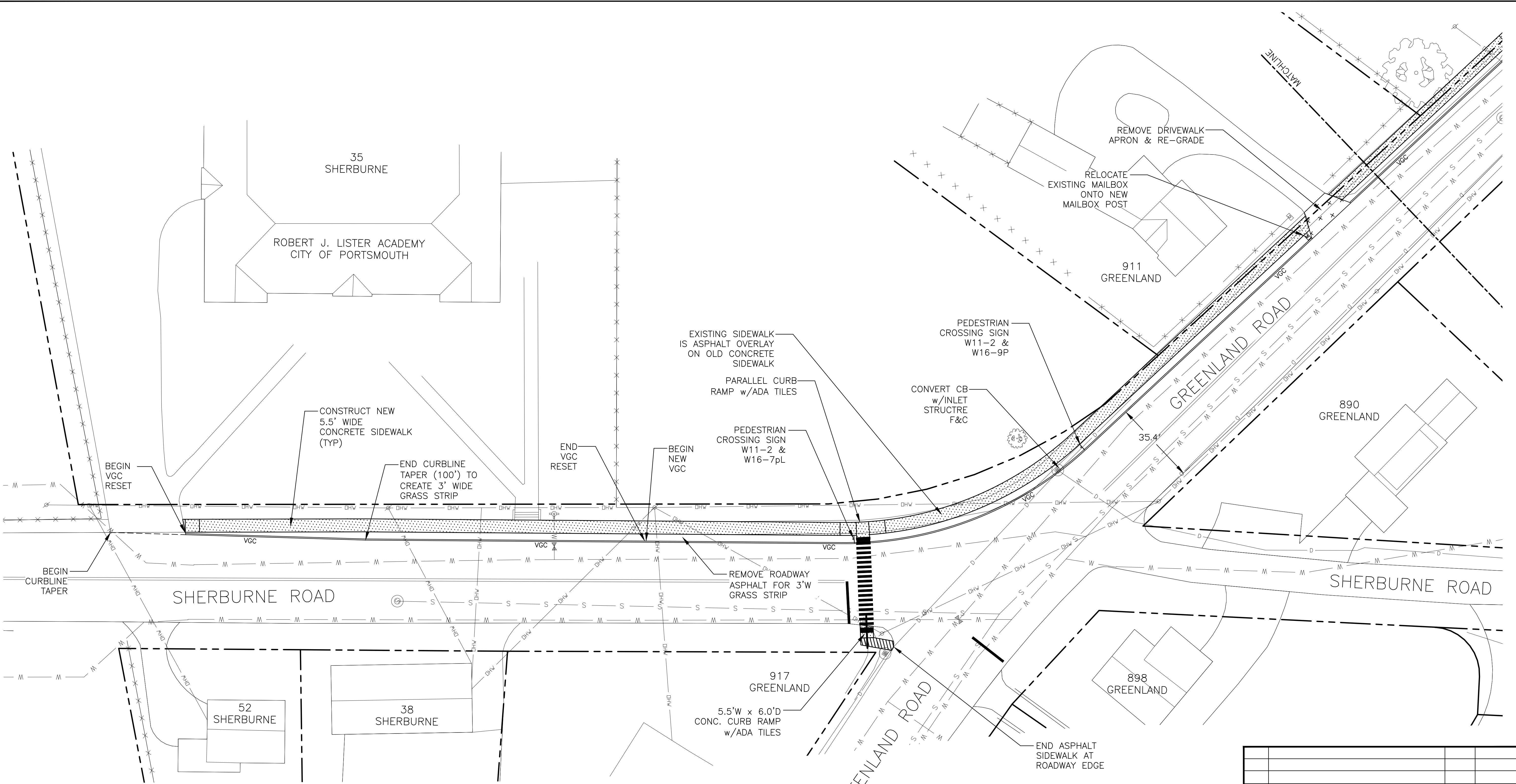


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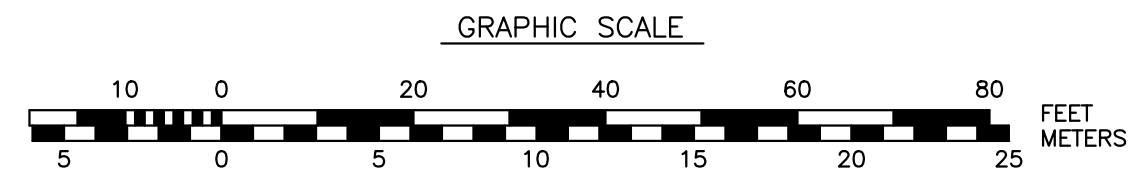
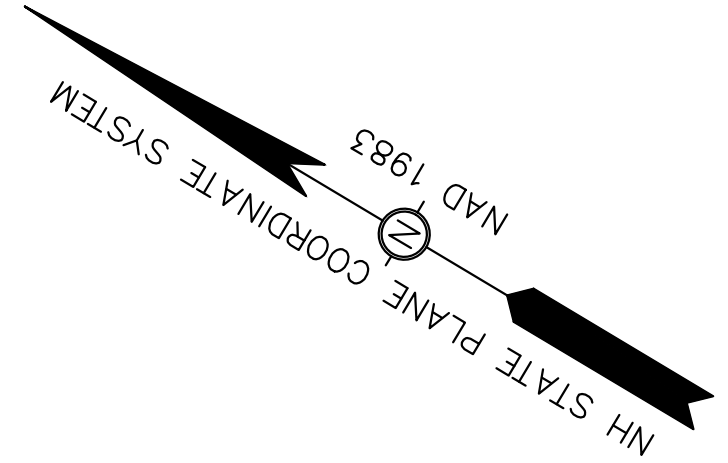



DEPARTMENT OF
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CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

0	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: PANNAWAY MANOR SCHURMAN AVENUE PARK AREA			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-210
APPROVED BY:	MRB		

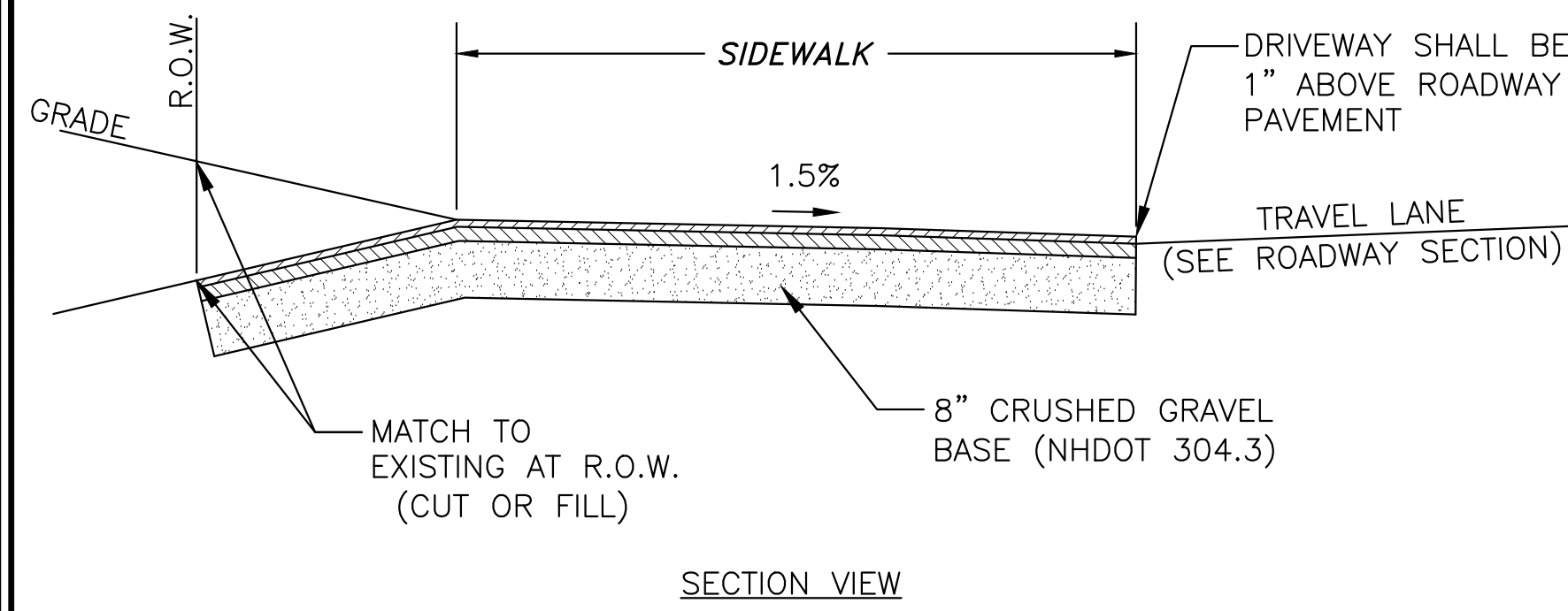


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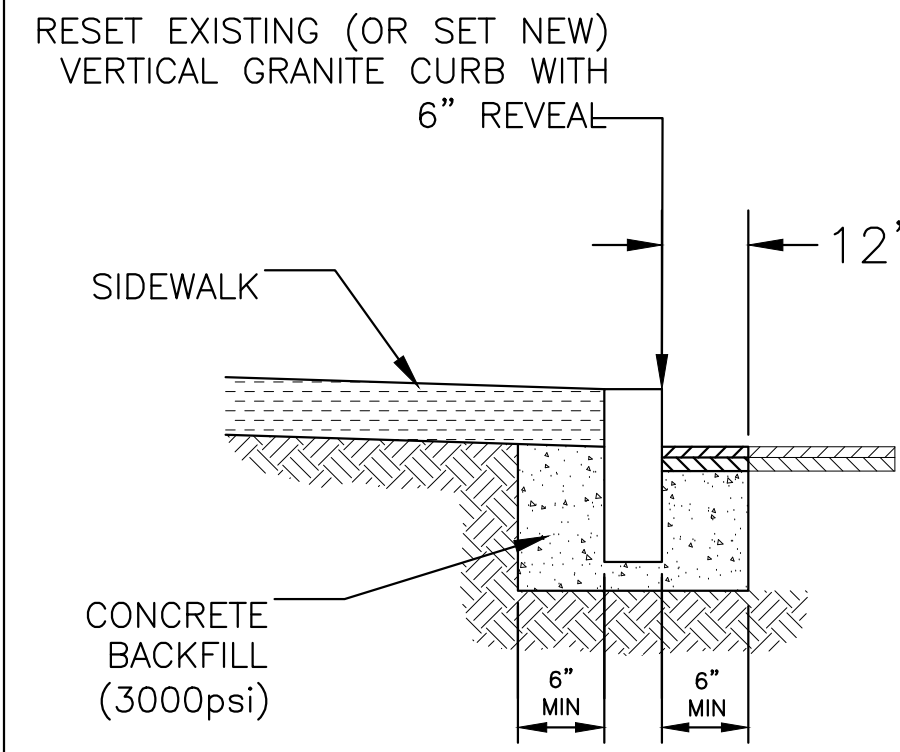

DEPARTMENT OF PUBLIC WORKS
CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530

0	ISSUED FOR BID		MRB	12/01/22			
NO.	REVISIONS		APP'D	DATE			
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS							
TITLE: SHERBURNE ROAD							
DRAWING SCALE:		AS SHOWN		DATE:		NOVEMBER 2022	
PROJECT NO.:		7246		SHEET:		C-301	
APPROVED BY:		MRB					



- NOTES:
- DRIVEWAY PAVEMENT SHALL BE:
1.5" WEARING (3/8" 50 GYRATION)
2.0" BINDER (1/2" 50 GYRATION)
 - ENGINEER TO DETERMINE IF EXISTING BASE MATERIALS ARE ACCEPTABLE.
 - SUB-GRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF GRAVEL BASE. GRAVEL BASE SHALL BE COMPACTED TO 95% PROCTOR.

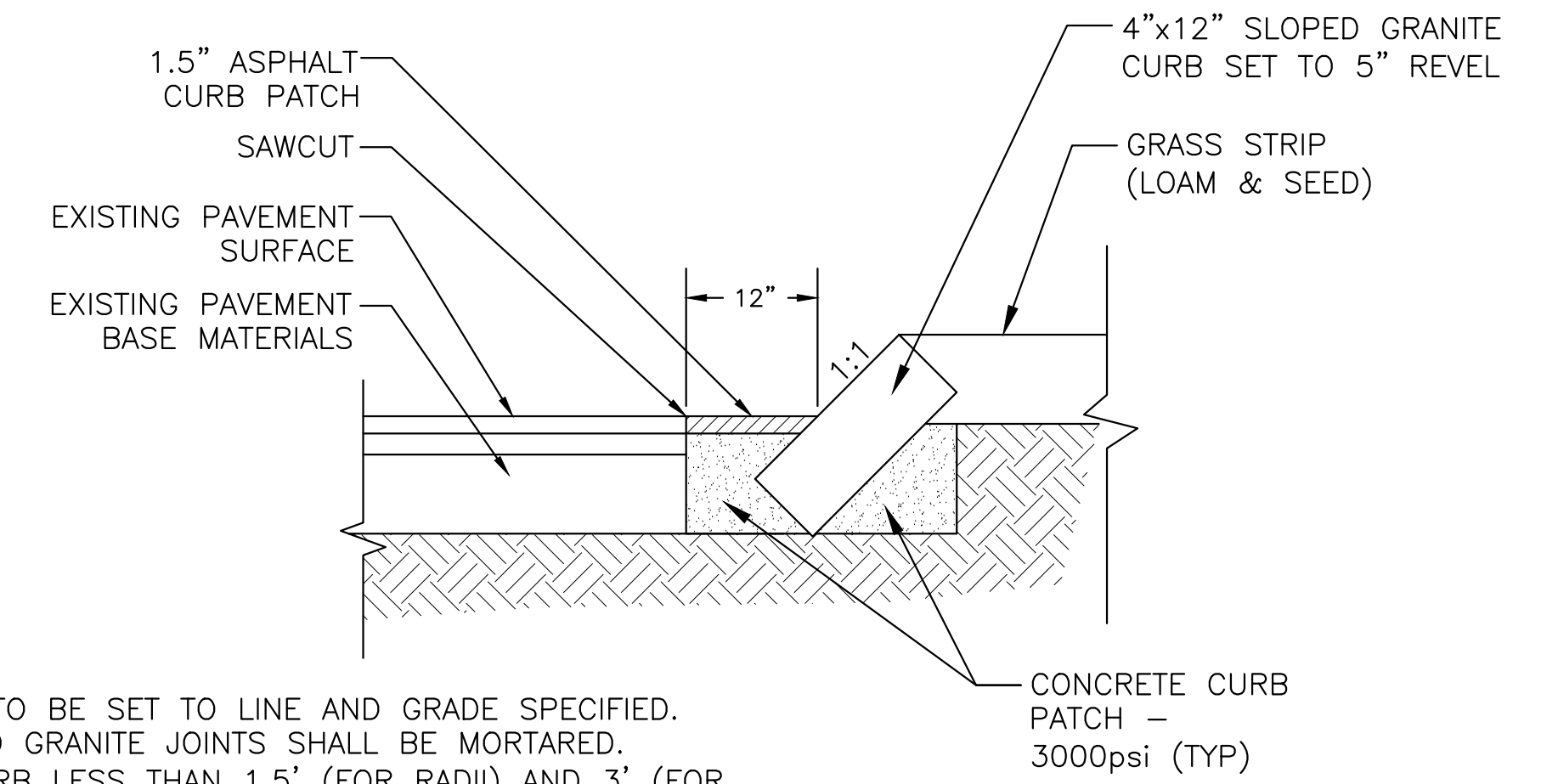
TYPICAL DRIVEWAY SECTION
SCALE: N.T.S



RADIUS	MAX. LENGTH
<20'	USE CURVED CURB
21'-25'	3'
26'-30'	4'
31'-35'	5'
36'-40'	6'
41'-50'	7'
51'-56'	8'
56'-60'	9'
OVER 60'	10'

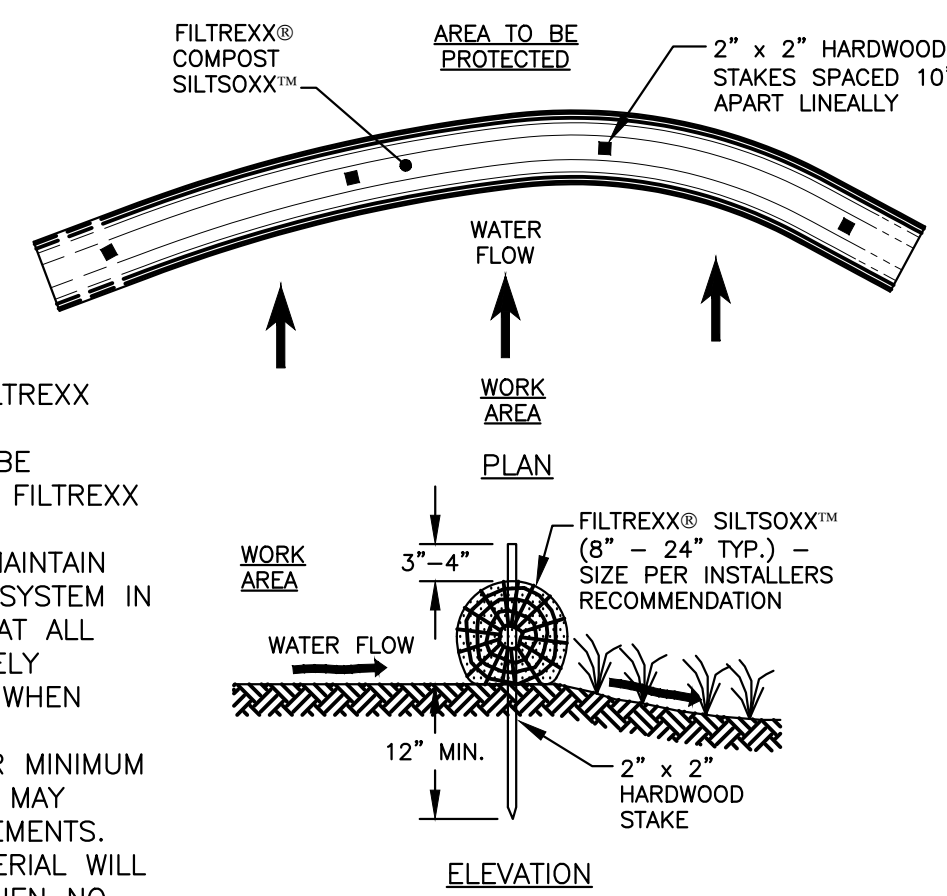
VERTICAL GRANITE CURB
SCALE: N.T.S

- NOTES:
- CURB TO BE SET TO LINE AND GRADE SPECIFIED.
 - ALL RADII 20 FEET AND SMALLER SHALL USE CURVED SECTIONS.
 - CURB AT FLUSH SECTION OF SIDEWALK SHALL BE SET TO 1.5% SLOPE. CURB AT RAMP SHALL BE SET TO 7.6%. IT IS THE CURB CONTRACTORS RESPONSIBILITY TO VERIFY SLOPES WITH A SMART LEVEL.
 - VERTICAL GRANITE JOINTS SHALL BE MORTARED.
 - SEE CHART FOR MAX / MIN STONE LENGTHS.
 - RESET EXISTING CURB. ANY MISSING OR DAMAGED CURB SHALL BE REPLACED WITH MATCHING CURB SIZE (NEW).
 - NO CURB LESS THAN 3' IN LENGTH WILL BE ALLOWED.
 - CURB MATERIAL SHALL BE FROM THE SAME LOT OF GRANITE. VARIANCES IN COLOR AND TYPE WILL NOT BE ACCEPTED.
 - TYPICAL CURB REVEAL SHALL BE 5". VERIFY WITH CITY ENGINEER PRIOR TO CURB INSTALLATION.
 - CONC. CURB BACKFILL MAY BE OMITTED AT LOCATIONS WITH ABUTTING CONCRETE SIDEWALK.
 - CONTRACTOR SHALL USE JUMPING JACK TO COMPACT ALONG CURB AT LOCATIONS WHERE CONC. BACKFILL IS NOT USED. SELECT BASE MATERIALS FOR SIDEWALK SHALL BE COMPACTED WITH JUMPING JACK ALONG BACK SIDE OF CURB PRIOR TO PLACEMENT OF CONCRETE.



- NOTES:
- CURB TO BE SET TO LINE AND GRADE SPECIFIED.
 - SLOPED GRANITE JOINTS SHALL BE MORTARED.
 - NO CURB LESS THAN 1.5' (FOR RADII) AND 3' (FOR STRAIGHT) IN LENGTH WILL BE ALLOWED.
 - CURB MATERIAL SHALL BE FROM THE SAME LOT OF GRANITE. VARIANCES IN COLOR AND TYPE WILL NOT BE ACCEPTED.
 - TYPICAL CURB REVEAL SHALL BE 5". VERIFY WITH CITY ENGINEER PRIOR TO CURB INSTALLATION.
 - SLOPED GRANITE CURB SHALL BE SET AT 45° ANGLE.
 - CONCRETE CURB PATCH SHALL BE PLACED ALONG GUTTERLINE AND BELOW BACK SIDE OF CURB.
 - ASPHALT CURB PATCH SHALL BE 1.5" THK (3/8" 50 GYR) WEARING MIX.

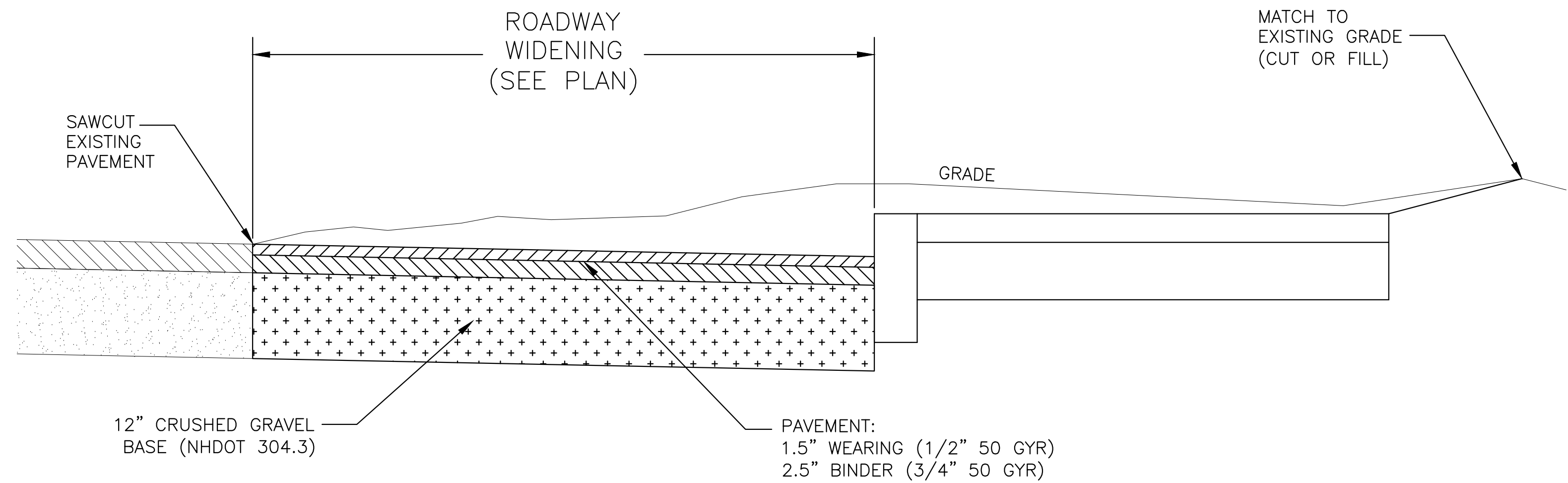
SLOPED GRANITE CURB
SCALE: N.T.S



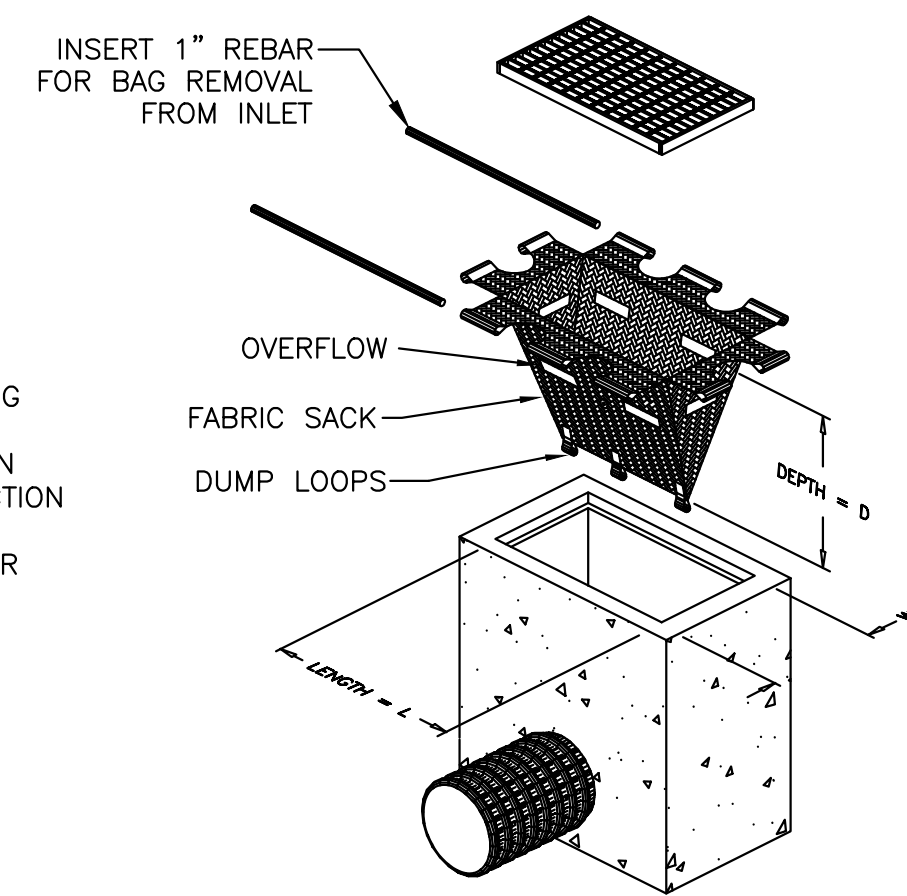
- NOTES:
- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 - FILTREXX SYSTEM SHALL BE INSTALLED BY A CERTIFIED FILTREXX INSTALLER.
 - THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTRATION SYSTEM IN A FUNCTIONAL CONDITION AT ALL TIMES. IT WILL BE ROUTINELY INSPECTED AND REPAIRED WHEN REQUIRED.
 - SILTSOXX DEPICTED IS FOR MINIMUM SLOPES, GREATER SLOPES MAY REQUIRE ADDITIONAL PLACEMENTS.
 - THE COMPOST FILTER MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

SEDIMENTATION FENCE / LOG
SCALE: N.T.S

- NOTES:
- SUB-GRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF GRAVEL BASE. GRAVEL BASE SHALL BE COMPACTED TO 95% PROCTOR.




ROADWAY BASE (WIDENING)
SCALE: N.T.S

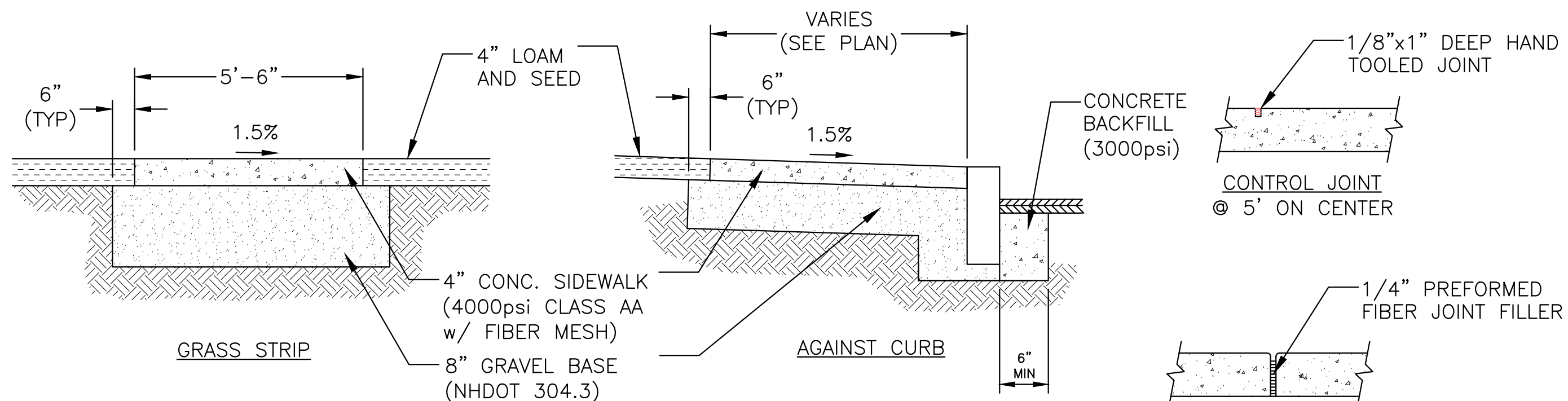


- NOTES:
- SILT SACK SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS AND INLETS WITHIN THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS.
 - INSTALL AND MAINTAIN PER MANUFACTURERS REQUIREMENTS.

DRAINAGE INLET PROTECTION
SCALE: N.T.S

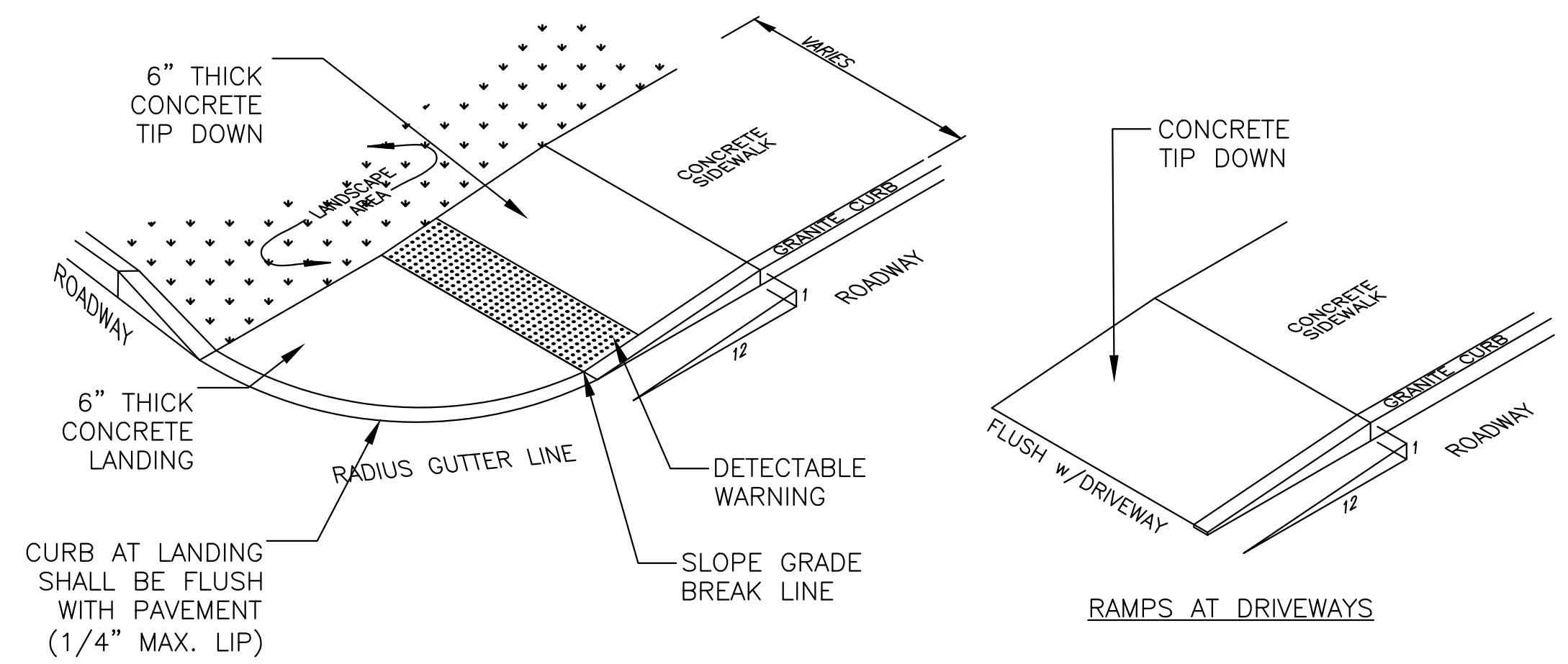

 DEPARTMENT OF
 PUBLIC WORKS
 CITY OF PORTSMOUTH, NH
 680 PEVERLY HILL ROAD
 603-427-1530

NO.	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: DETAIL SHEET			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-401
APPROVED BY:	MRB		



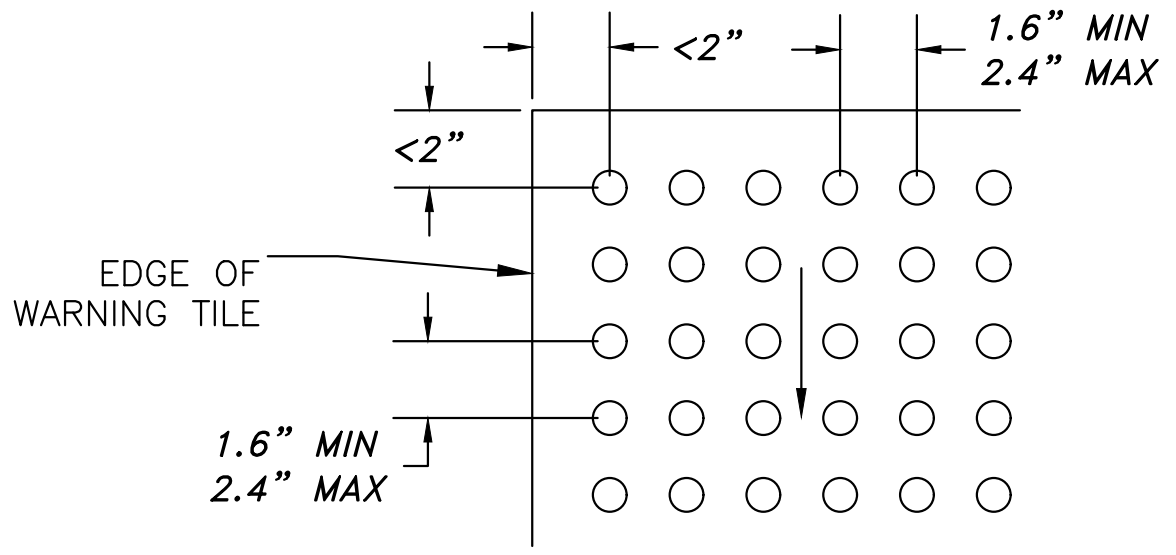
- NOTES:**
1. MEDIUM BROOM FINISH.
 2. JOINTS SHALL BE HAND TOOLED w/ 1/8" RADII.
 3. EXPANSION JOINT FIBER FILLER SHALL BE TRIMMED TO 1/4" BELOW SIDEWALK SURFACE FOR SEALANT.
 4. THERE SHALL BE NO CHANGE IN ELEVATION (LIP) OR GAPS IN THE SIDEWALK GREATER THAN 1/4".
 5. SIDEWALK CONCRETE SHALL BE TREATED WITH SILOXANE SEALER NO SOONER THAN 14 DAYS AND NO MORE THAN 45 DAYS AFTER PLACEMENT. REFER TO MANUFACTURERS SPECIFICATIONS FOR REQUIRED TEMPERATURES FOR APPLICATION. SIDEWALKS SHALL BE CLEANED PRIOR TO APPLICATION OF SEALANT.
 6. EXPANSION JOINT FIBER SHALL BE USED AT ALL LOCATIONS WHERE CONCRETE ABUTS STRUCTURES (BUILDINGS, RET. WALLS, POLES, ETC.).
 7. CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT SIDEWALKS WITH SLOPES COMPLIANT WITH ADA CODES.
 8. GRAVEL BASE MATERIALS SHALL BE COMPACTED WITH JUMPING JACK ALONG BACK SIDE OF CURB PRIOR TO PLACEMENT OF CONCRETE.
 9. SUB-GRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF GRAVEL BASE. GRAVEL BASE SHALL BE COMPACTED TO 95% PROCTOR.
 10. CONTRACTOR SHALL WORK WITH CITY ENGINEER TO DETERMINE T/CONC. GRADES PRIOR TO PLACEMENT OF CONCRETE.
 11. CONCRETE SHALL HAVE AIR ENTRAINMENT (5%-7%) WITH A SLUMP OF 4"-6".

CONCRETE SIDEWALK
SCALE: N.T.S



CURB RAMP AT STREETS

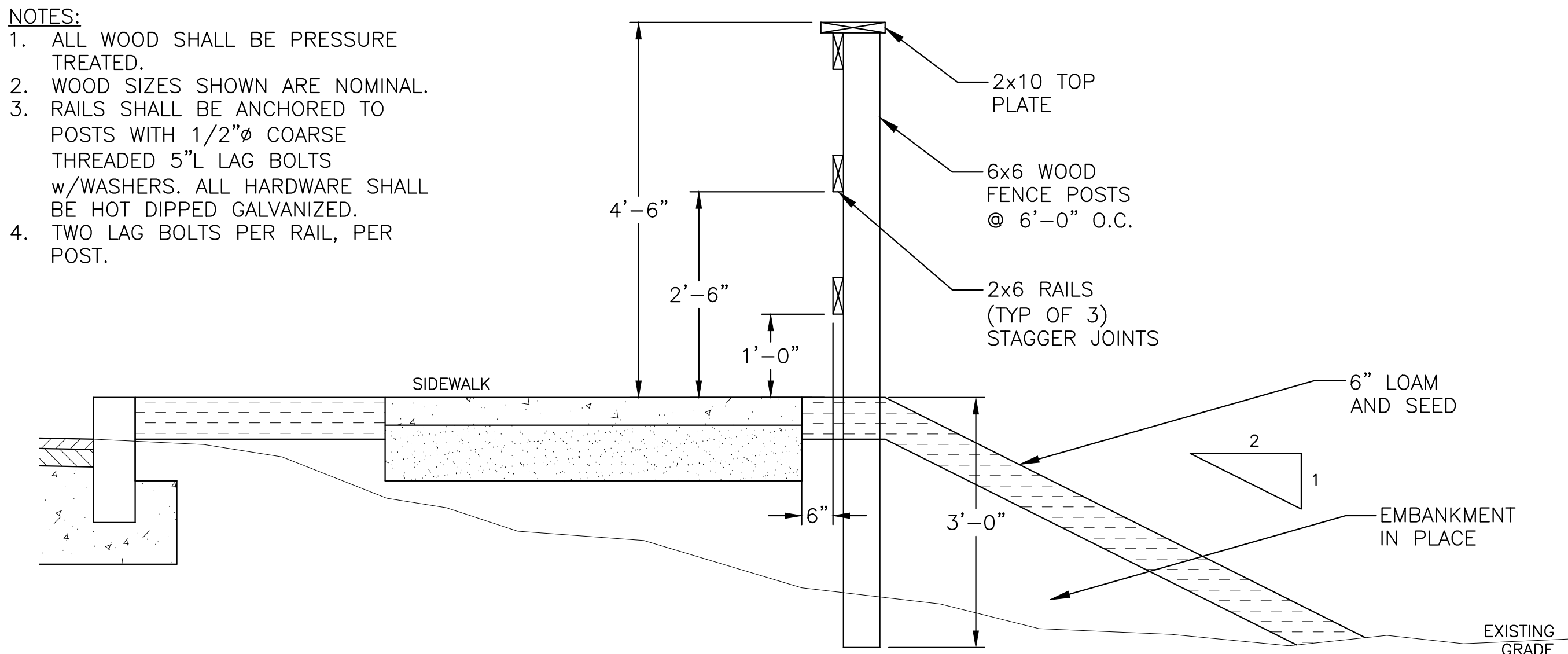
RAMP AT DRIVEWAYS



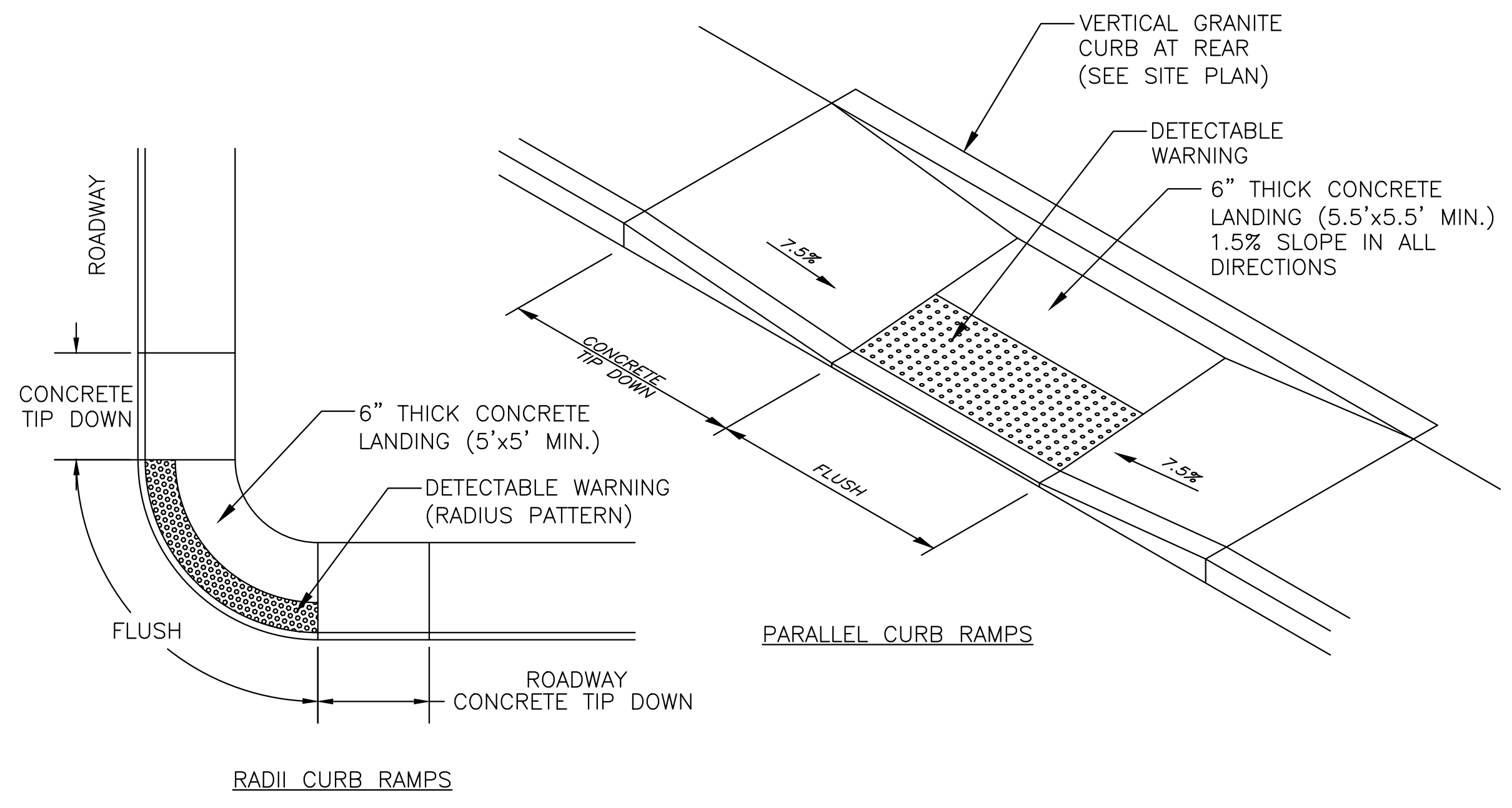
DETECTABLE WARNING TILE

DOMES SECTION

- NOTES:**
1. ALL CURB RAMP AND SIDEWALKS SHALL COMPLY WITH ADA (AMERICANS WITH DISABILITIES ACT).
 2. TIP DOWNS SHALL HAVE A RUNNING SLOPE OF 7.5% (8.3% MAX.) AND CROSS SLOPE OF 1.5% (2.0% MAX.).
 3. THERE SHALL BE NO CHANGE IN ELEVATION (LIP) OR GAPS IN THE SIDEWALK RAMP GREATER THAN 1/4".
 4. LANDINGS AND AREAS OF CHANGE IN DIRECTION SHALL HAVE A SLOPE OF 1.5% (2.0% MAX.) IN ALL DIRECTIONS.
 5. DETECTABLE WARNINGS SHALL INSTALLED SO THAT PATTERN IS IN LINE WITH DIRECTION OF TRAVEL TO THE EXTENT POSSIBLE.
 6. DETECTABLE WARNING TILES SHALL BE PLACED SO THAT THE EDGE CLOSEST TO THE CURB IS BETWEEN 6"-8" FROM CURB LINE.
 7. DETECTABLE WARNING TILE SHALL SPAN THE FULL WIDTH OF THE RAMP AND A MINIMUM OF 24" DEEP.
 8. DETECTABLE WARNING TILE SHALL BE CAST IRON, NEENAH FOUNDRY OR APPROVED EQUAL. RADIUS ADA CURB RAMP SHALL HAVE DETECTABLE WARNING TILES IN A RADIUS PATTERN USING TUFTILE OR APPROVED EQUAL.
 9. CONCRETE AT DETECTABLE WARNING RAMP SHALL BE FIBER REINFORCED WITH A MEDIUM BROOM FINISH.
 10. BASE MATERIAL FOR CONCRETE SECTIONS SHALL BE 8" THK CRUSHED GRAVEL BASE (NHDOT 304.3).



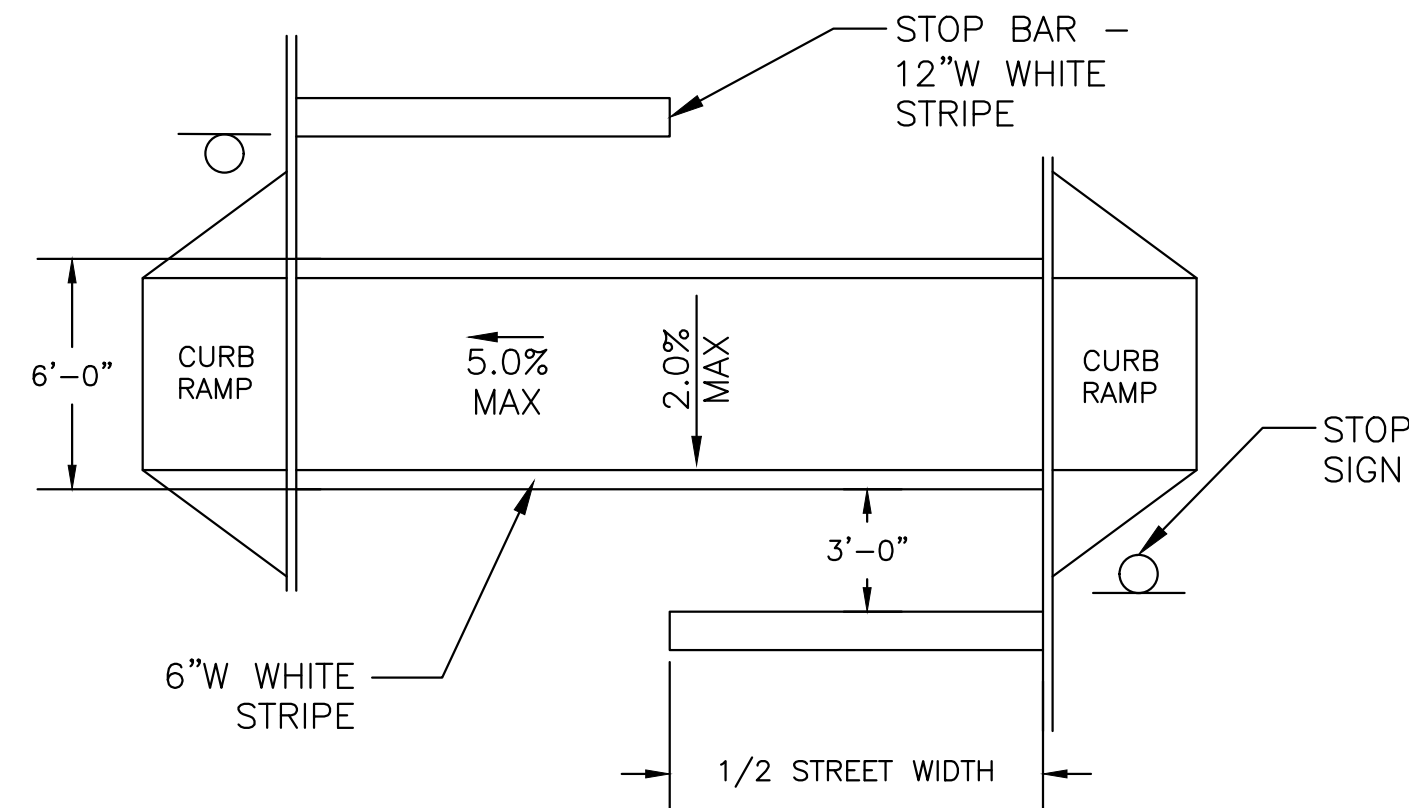
WOOD FENCE AND SLOPES
SCALE: N.T.S



PARALLEL CURB RAMP

RADI CURB RAMP

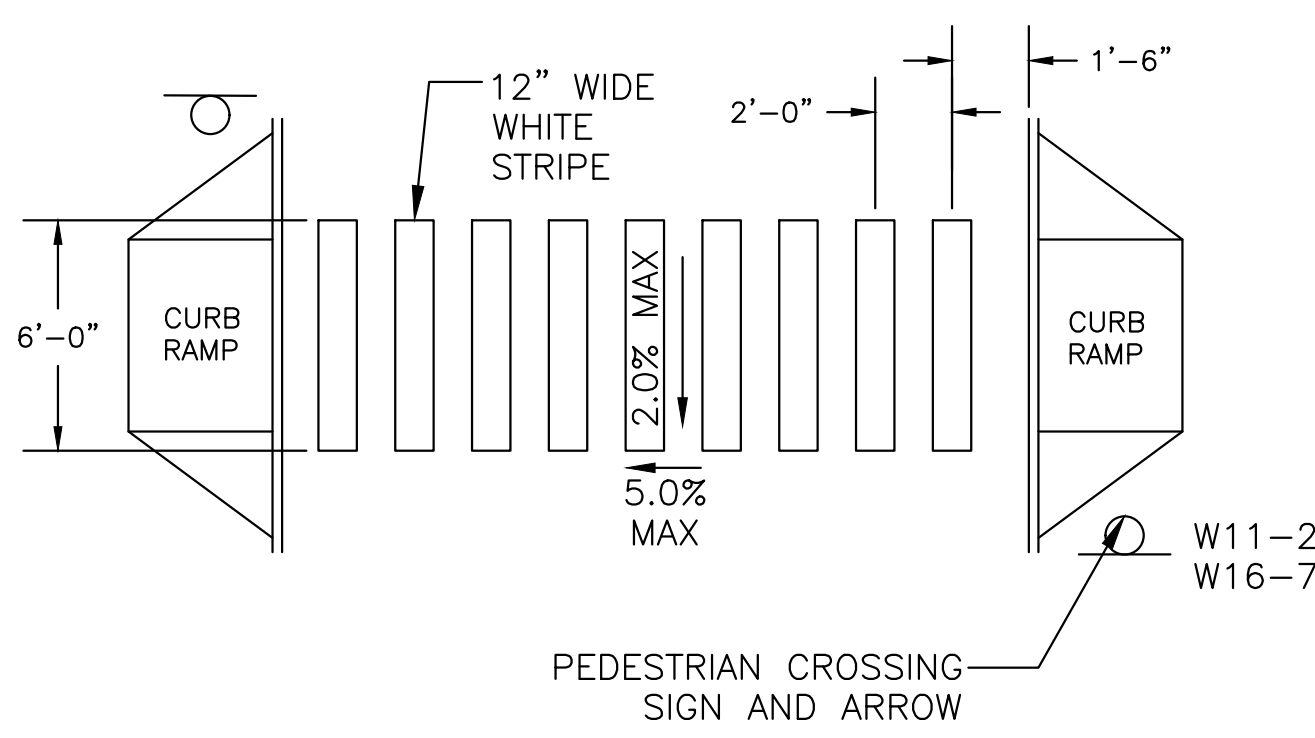
CURB RAMP DETAILS
SCALE: N.T.S



STANDARD CROSSWALK

- NOTES:**
1. STRIPING SHALL BE THERMO PLASTIC RETROREFLECTIVE PAVEMENT MARKING PER ASTM D 4505.
 2. STANDARD CROSSWALKS SHALL BE AT ALL STOP INTERSECTIONS AND/OR LOW TRAFFIC LOCATIONS AS DIRECTED BY THE ENGINEER.
 3. EURO-STYLE 12" WIDE CROSSWALKS SHALL BE AT NON-STOP INTERSECTIONS, MID-BLOCK CROSSINGS AND/OR OTHER HIGH TRAFFIC LOCATIONS AS DIRECTED BY THE ENGINEER.
 4. EURO-STYLE CROSSWALKS MAY REQUIRE ADDITIONAL ADVANCED PEDESTRIAN CROSSING SIGNAGE. SEE SITE PLANS FOR THESE LOCATIONS.

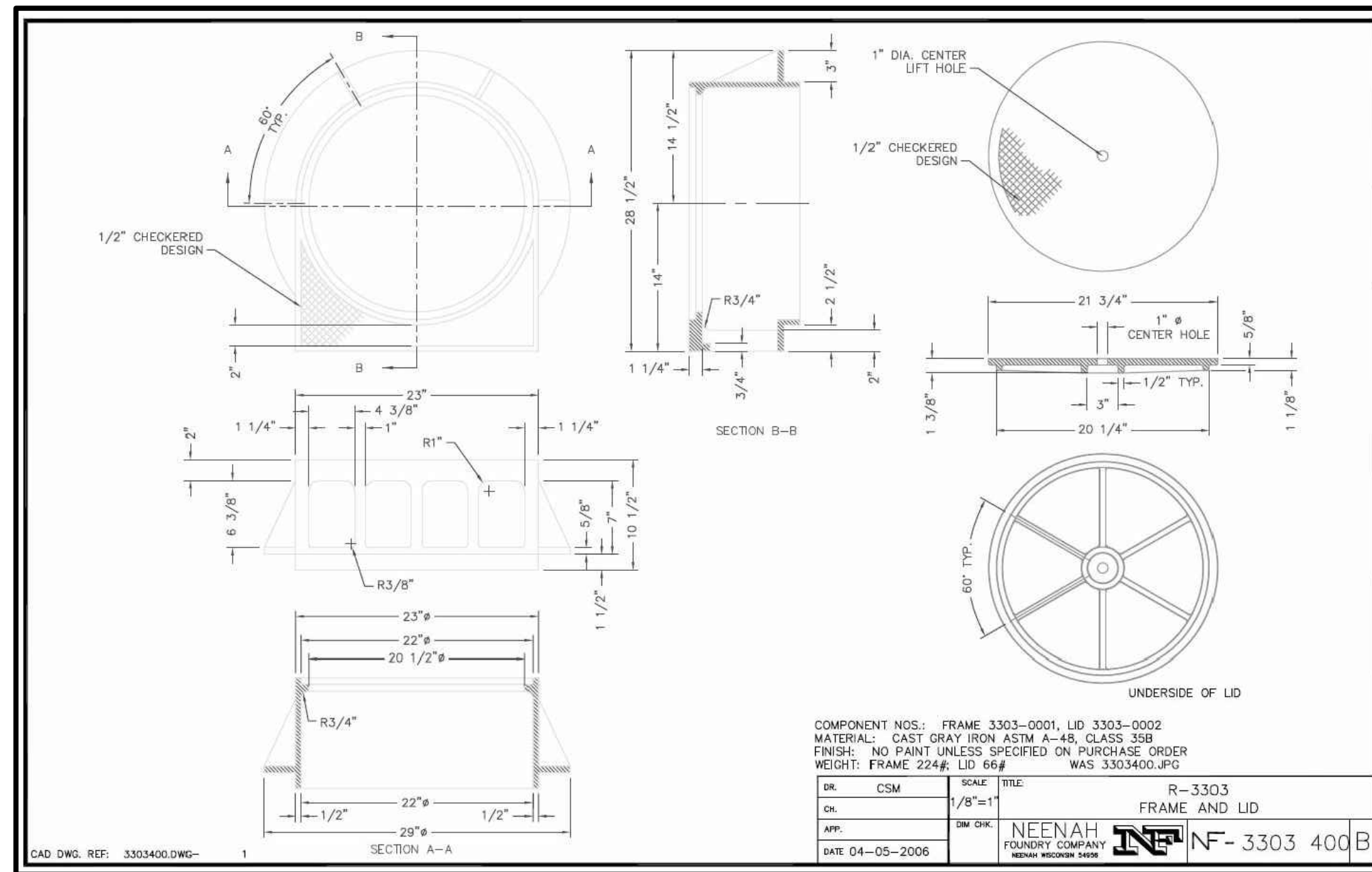
CROSSWALK DETAILS WITH STOP BAR AND SIGNAGE
SCALE: N.T.S



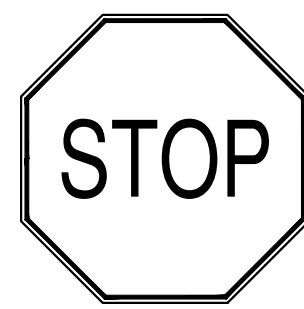
EURO-STYLE CROSSWALK


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PROJECT NO.:	7246	SHEET:	C-402
APPROVED BY:	MRB		



INLET STYLE DRAINAGE FRAME & COVER
SCALE: N.T.S



R1-1
36"x36"
WHITE ON RED

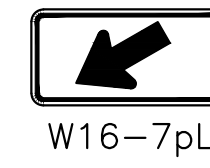


W11-2
30"x30"
BLACK ON YELLOW



R8-3b
12"x18"
RED ON WHITE

ALL WAY
R1-3P
18"x6"
WHITE ON RED



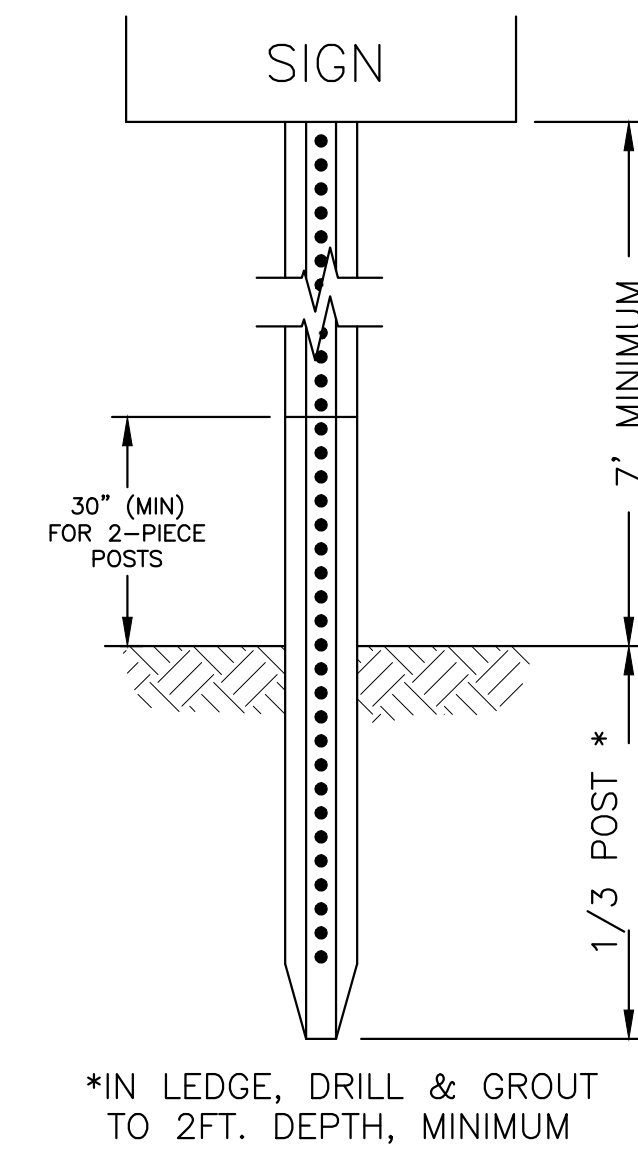
W16-7pL



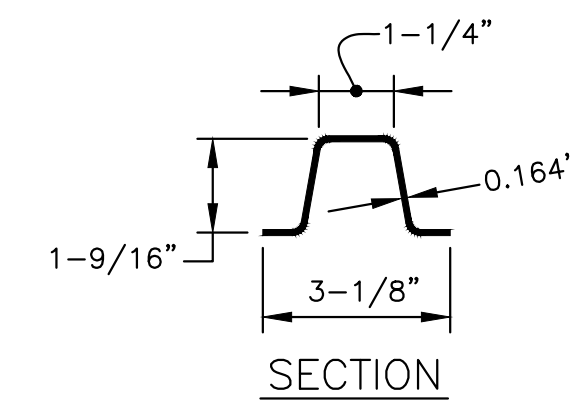
W16-7pR

AHEAD
W16-9P

24"x12"
BLACK ON YELLOW



*IN LEDGE, DRILL & GROUT
TO 2FT. DEPTH, MINIMUM



LENGTH: AS REQUIRED

WEIGHT/LINEAR FOOT: 2.50 POUNDS
(MIN.)

HOLES: 3/8" DIA., 1" C-C FULL
LENGTH

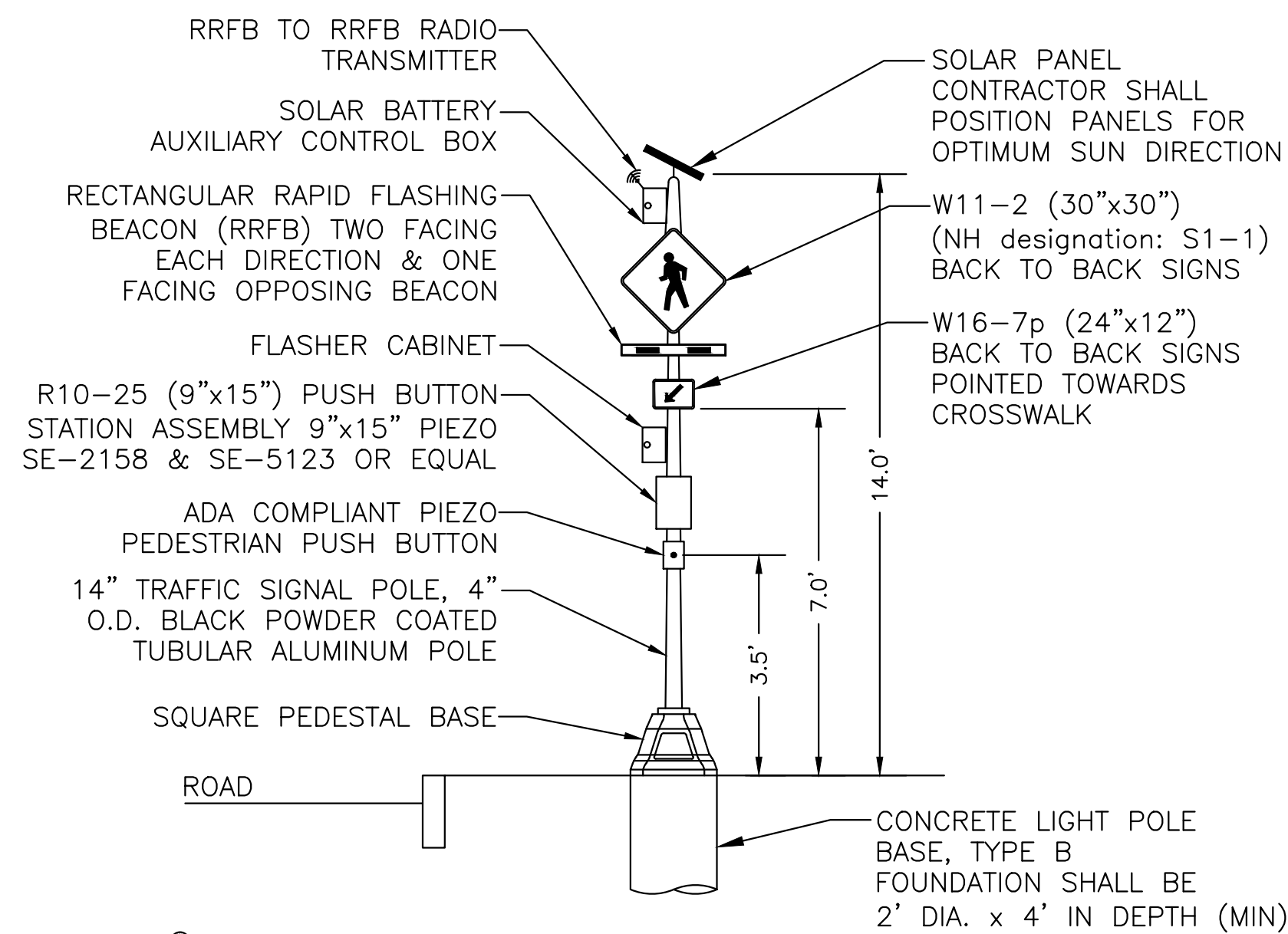
STEEL: SHALL CONFORM TO ASTM
A-499 (GRADE 60) OR ASTM A-5761
(GRADE 1070 - 1080)

FINISH: SHALL BE HOT DIPPED
GALVANIZED.

NOTES:

- POSTS MAY BE SET OR DRIVEN.
- WHEN POSTS ARE SET, HOLES SHALL BE DUG TO THE PROPER DEPTH; AFTER INSERTING POSTS, THE HOLES SHALL BE BACK FILLED WITH SUITABLE MATERIAL IN LAYERS NOT TO EXCEED 6" IN DEPTH AND THOROUGHLY COMPACTED, CARE BEING TAKEN TO PRESERVE THE ALIGNMENT OF THE POST.
- WHEN POSTS ARE DRIVEN, A SUITABLE DRIVING CAP SHALL BE USED AND AFTER DRIVING THE TOP OF THE POST SHALL HAVE SUBSTANTIALLY THE SAME CROSS-SECTIONAL DIMENSION AS THE BODY OF THE POST; BATTERED HEADS WILL NOT BE ACCEPTED.
- POSTS SHALL NOT BE DRIVEN WITH THE SIGN ATTACHED TO THE POST.
- WHEN SIGN IS IN PLACE, NO PART OF THE POST SHALL EXTEND ABOVE THE SIGN.
- WHEN POST IS TO BE INSTALLED IN A CONCRETE SIDEWALK, A 4" DIA. PVC SLEEVE SHALL BE CAST INTO THE CONCRETE AGAINST THE BACK SIDE OF THE CURB.
- SIGNS FOR RECTANGULAR RAPID FLASHING (RRFB) BEACON SHALL BE INCLUDED IN THE PAY ITEM FOR THE RRFB AND NOT PAID SEPARATELY.

SIGNS AND POST
SCALE: N.T.S



W11-2
30"x30"
BLACK ON YELLOW



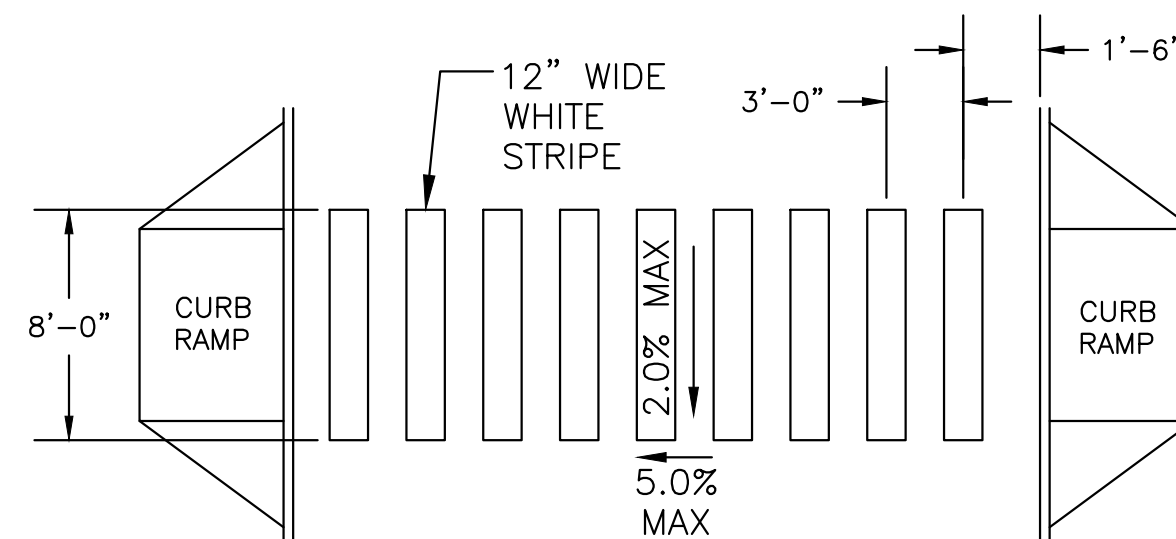
W16-7pL
24"x12"
BLACK ON YELLOW



W10-25
9"x12"
BLACK ON WHITE

NOTES:

- STRIPING SHALL BE THERMO PLASTIC RETROREFLECTIVE PAVEMENT MARKING PER ASTM D 4505.



NHDOT CROSSWALK

RECTANGULAR RAPID FLASHING BEACON (RRFB)
w/ NHDOT CROSSWALK
SCALE: N.T.S

NOTES:

- THE MAILBOX POST ASSEMBLY SHOWN IS AN EXAMPLE OF AN ACCEPTABLE NON-PROPRIETARY DESIGN. CONTRACTOR SHALL SUBMIT DOCUMENTATION OF MAILBOX POST FOR APPROVAL FROM THE CITY AND HOMEOWNER PRIOR TO PROCUREMENT.
- ASSEMBLY SHALL CONSIST OF THE WOOD POST AND ALL HARDWARE REQUIRED TO MOUNT A MAILBOX SECURELY TO THE POST.
- MAILBOX POSTS SHALL NOT BE SET IN CONCRETE.
- POST SHALL BE EITHER A SINGLE 4"x4" SQUARE OR 4" DIA. WOOD SHALL BE PRESSURE TREATED.
- BOX MOUNT SHALL BE EITHER PLASTIC OR PRESSURE TREATED WOOD.
- HARDWARE SHALL BE STAINLESS STEEL SCREWS.
- CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR OFFSET AND HEIGHT REQUIREMENTS.



MAILBOX POST ASSEMBLY
SCALE: N.T.S

DEPARTMENT OF
PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

NO.	ISSUED FOR BID	MRB	12/01/22
NO.	REVISIONS	APP'D	DATE
PROJECT: NEIGHBORHOOD SIDEWALK IMPROVEMENTS			
TITLE: DETAIL SHEET			
DRAWING SCALE:	AS SHOWN	DATE:	FEBRUARY 2022
PROJECT NO.:	7246	SHEET:	C-403
APPROVED BY:	MRB		