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Date

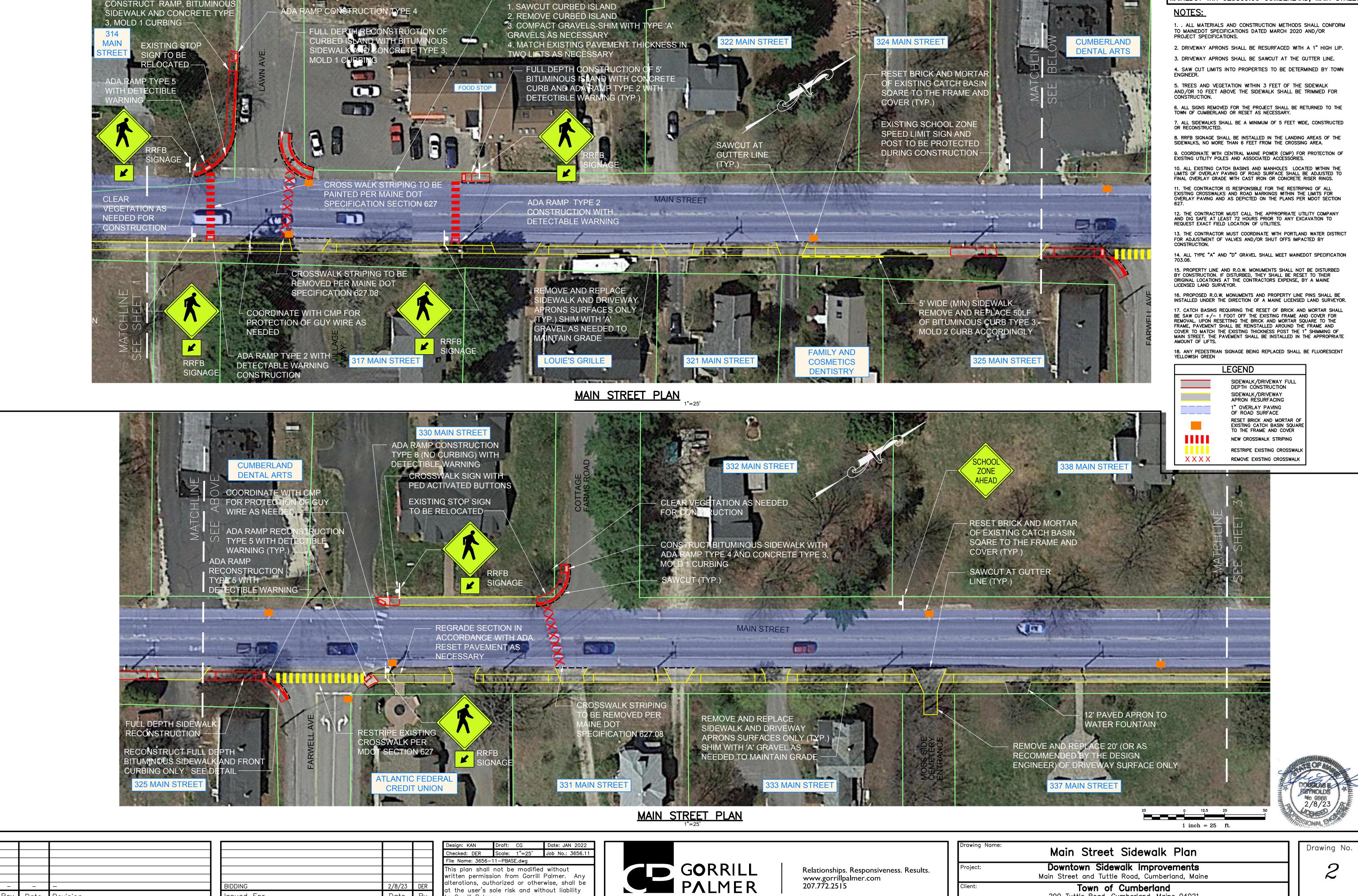
BIDDING

Revision

Issued For

Town of Cumberland

290 Tuttle Road, Cumberland, Maine 04021



REMOVE EXISTING CURBED ISLAND

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Date

BIDDING

Revision

Issued For

Town of Cumberland

290 Tuttle Road, Cumberland, Maine 04021

MAINEDOT WIN 025809.00 CUMBERLAND, MAIN STREET



LEGEND

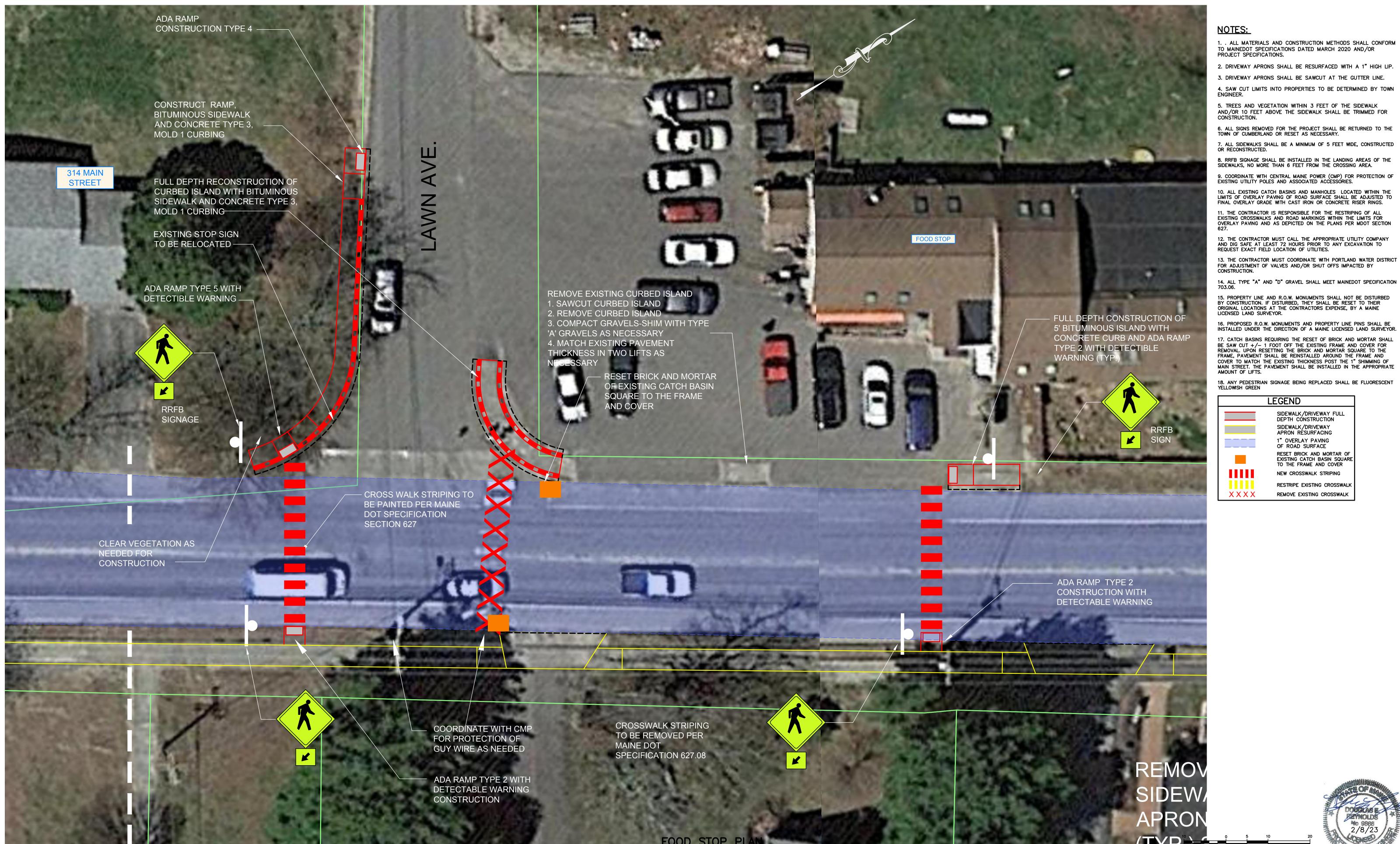
SIDEWALK/DRIVEWAY FULL DEPTH CONSTRUCTION

RESET BRICK AND MORTAR OF EXISTING CATCH BASIN SQUARE TO THE FRAME AND COVER

RESTRIPE EXISTING CROSSWALK

REMOVE EXISTING CROSSWALK

SIDEWALK/DRIVEWAY APRON RESURFACING 1" OVERLAY PAVING OF ROAD SURFACE



Revision

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1	Design: KAN	Draft:	CG	Date: JAN 2022
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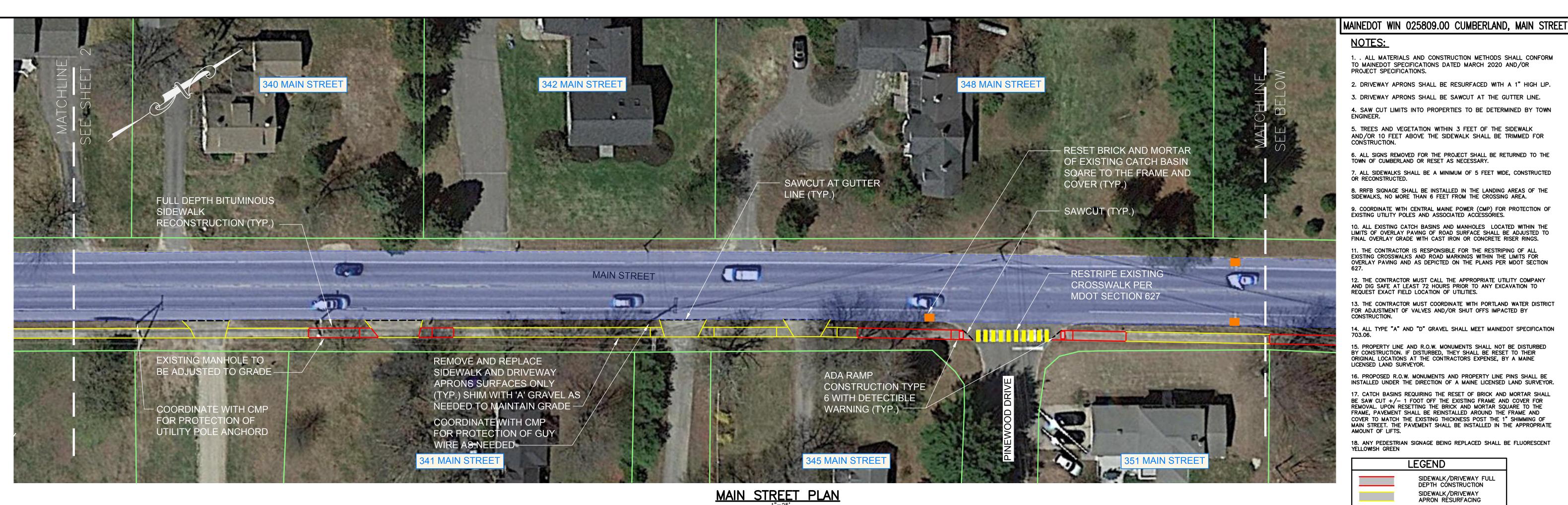
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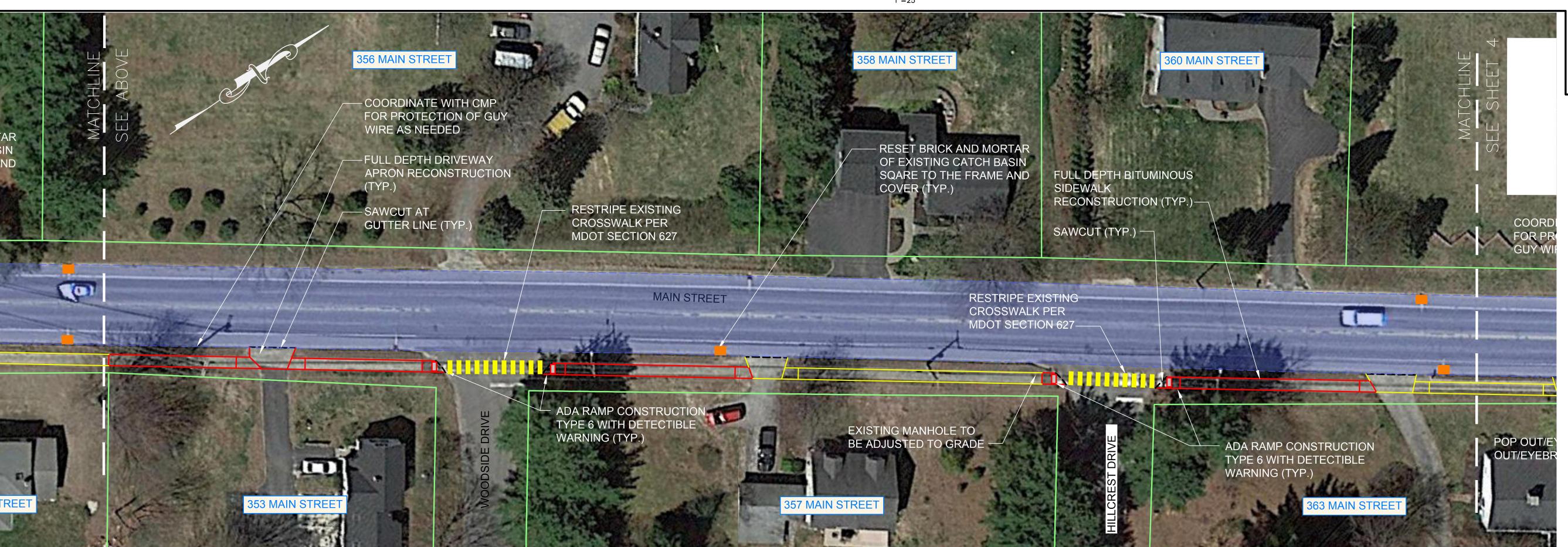
Drawing Name:	Food Stop Sidewalk Plan
Project:	Downtown Sidewalk Improvements
	Main Street and Tuttle Road, Cumberland, Maine
Client:	Town of Cumberland
	290 Tuttle Road, Cumberland, Maine 04021

1 inch = 10 ft.

Drawing No. 2A

DOUGLAS E BEYNOLDS





LEGEND

SIDEWALK/DRIVEWAY FULL DEPTH CONSTRUCTION

RESET BRICK AND MORTAR OF EXISTING CATCH BASIN SQUARE TO THE FRAME AND COVER

NEW CROSSWALK STRIPING

RESTRIPE EXISTING CROSSWALK REMOVE EXISTING CROSSWALK

SIDEWALK/DRIVEWAY APRON RÉSURFACING 1" OVERLAY PAVING OF ROAD SURFACE

MAIN STREET PLAN

1"=25'

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te	Revision	Issued For	Date	B۱

Design: KAN	Draft:	CG	Date: JAN 20		
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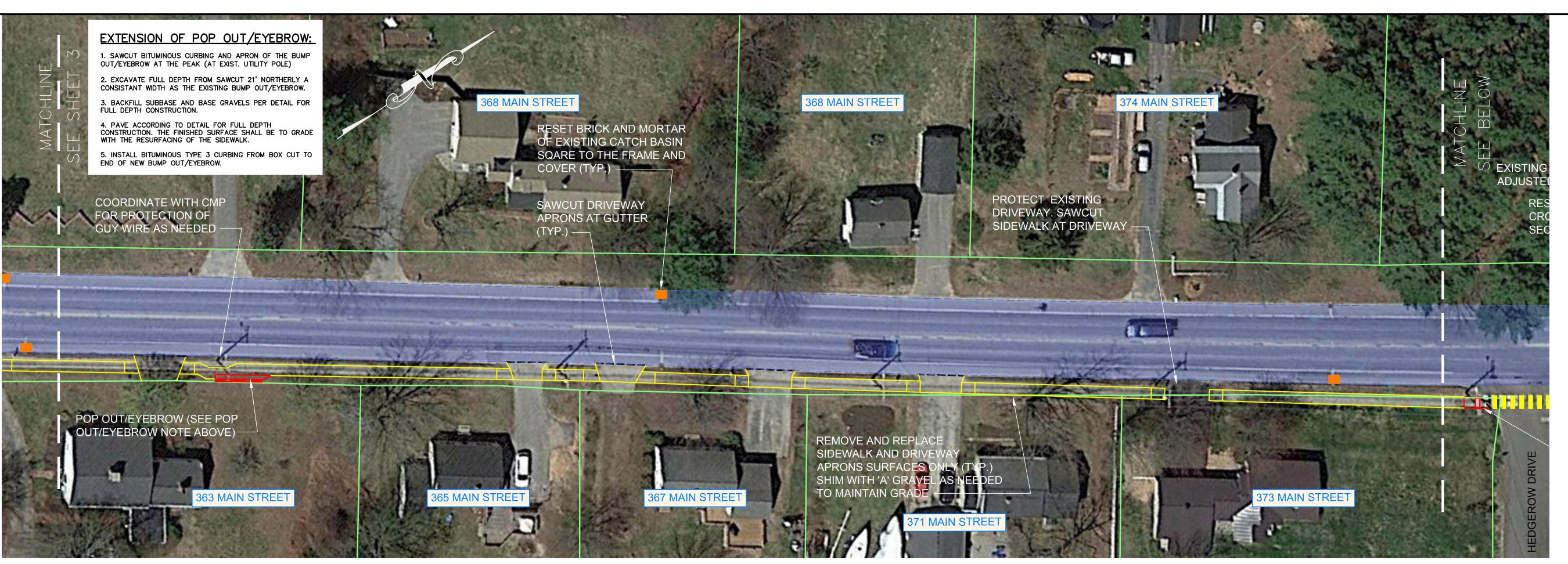
Relationships. Responsiveness. Results. www.gorrillpalmer.com 207.772.2515

Drawing Name:	Main Street Sidewalk Plan
Project:	Downtown Sidewalk Improvements Main Street and Tuttle Road, Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, Maine 04021

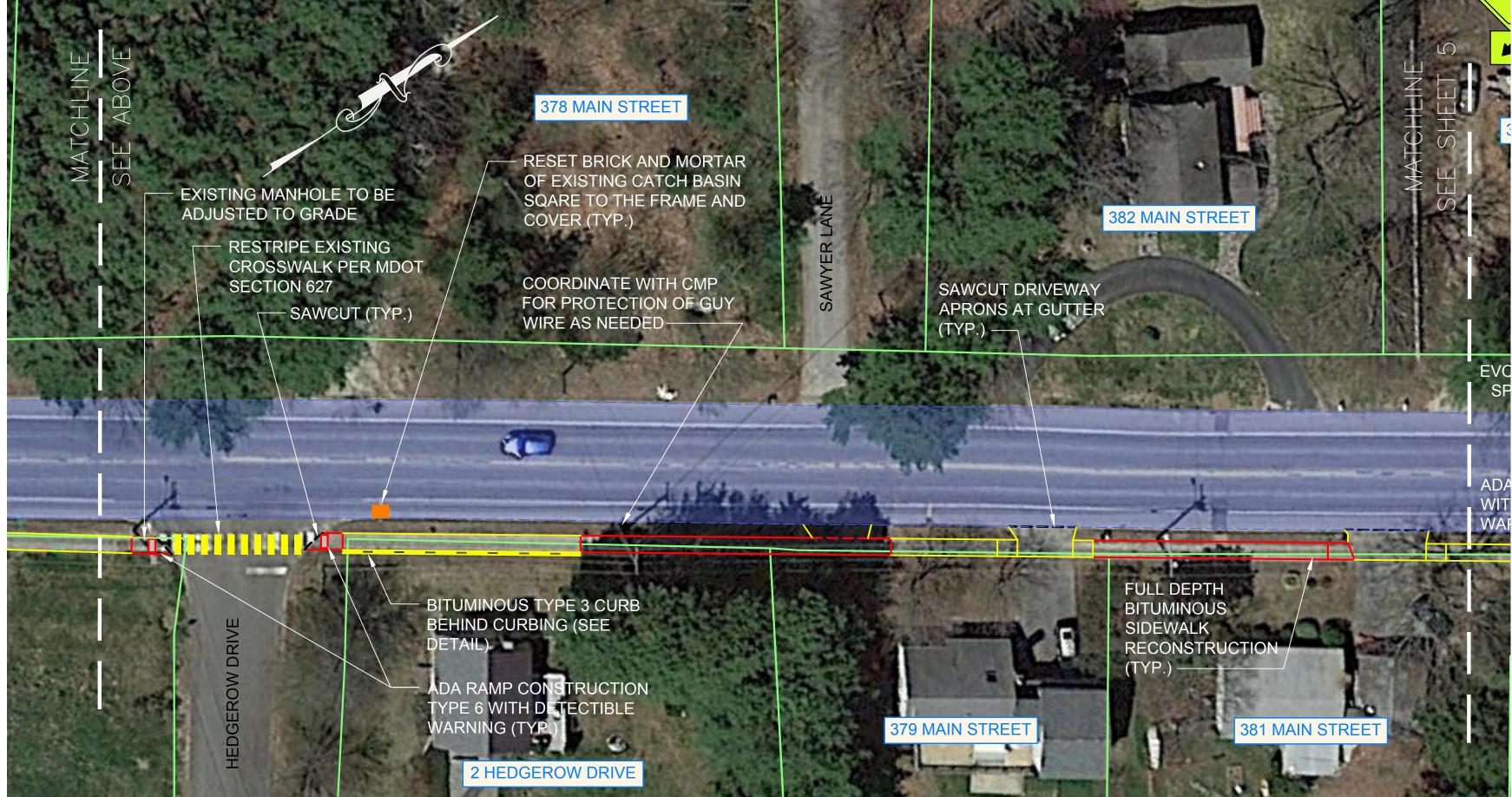
1 inch = 25 ft.

Drawing No.

2022 656.11 written permission from Gorrill Palmer. Any alterations, authorized or otherwise, shall be



MAIN STREET PLAN



MAIN STREET PLAN

1"=25'

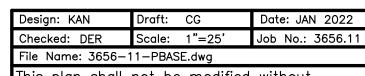
1 inch = 25 ft.

Main Street Sidewalk Plan **Downtown Sidewalk Improvements**Main Street and Tuttle Road, Cumberland, Maine Town of Cumberland
290 Tuttle Road, Cumberland, Maine 04021

Drawing No.

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	BITUMINOUS TYPE 3 CURB BEHIND CURBING (SEE	FULL DEPTH BITUMINOUS

MAINEDOT WIN 025809.00 CUMBERLAND, MAIN STREET

1. . ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINEDOT SPECIFICATIONS DATED MARCH 2020 AND/OR

2. DRIVEWAY APRONS SHALL BE RESURFACED WITH A 1" HIGH LIP.

4. SAW CUT LIMITS INTO PROPERTIES TO BE DETERMINED BY TOWN

3. DRIVEWAY APRONS SHALL BE SAWCUT AT THE GUTTER LINE.

5. TREES AND VEGETATION WITHIN 3 FEET OF THE SIDEWALK

TOWN OF CUMBERLAND OR RESET AS NECESSARY.

AND/OR 10 FEET ABOVE THE SIDEWALK SHALL BE TRIMMED FOR

6. ALL SIGNS REMOVED FOR THE PROJECT SHALL BE RETURNED TO THE

7. ALL SIDEWALKS SHALL BE A MINIMUM OF 5 FEET WIDE, CONSTRUCTED

8. RRFB SIGNAGE SHALL BE INSTALLED IN THE LANDING AREAS OF THE

9. COORDINATE WITH CENTRAL MAINE POWER (CMP) FOR PROTECTION OF

10. ALL EXISTING CATCH BASINS AND MANHOLES LOCATED WITHIN THE LIMITS OF OVERLAY PAVING OF ROAD SURFACE SHALL BE ADJUSTED TO FINAL OVERLAY GRADE WITH CAST IRON OR CONCRETE RISER RINGS. 11. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTRIPING OF ALL EXISTING CROSSWALKS AND ROAD MARKINGS WITHIN THE LIMITS FOR OVERLAY PAVING AND AS DEPICTED ON THE PLANS PER MDOT SECTION

12. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO

FOR ADJUSTMENT OF VALVES AND/OR SHUT OFFS IMPACTED BY

13. THE CONTRACTOR MUST COORDINATE WITH PORTLAND WATER DISTRICT

14. ALL TYPE "A" AND "D" GRAVEL SHALL MEET MAINEDOT SPECIFICATION

15. PROPERTY LINE AND R.O.W. MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR

16. PROPOSED R.O.W. MONUMENTS AND PROPERTY LINE PINS SHALL BE

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18. ANY PEDESTRIAN SIGNAGE BEING REPLACED SHALL BE FLUORESCENT

SIDEWALK/DRIVEWAY FULL DEPTH CÓNSTRUCTION

RESET BRICK AND MORTAR OF EXISTING CATCH BASIN SQUARE TO THE FRAME AND COVER NEW CROSSWALK STRIPING

RESTRIPE EXISTING CROSSWALK

SIDEWALK/DRIVEWAY APRON RÉSURFACING 1" OVERLAY PAVING OF ROAD SURFACE

LEGEND

XXXX REMOVE EXISTING CROSSWALK

ORIGINAL LOCATIONS AT THE CONTRACTORS EXPENSE, BY A MAINE

SIDEWALKS, NO MORE THAN 6 FEET FROM THE CROSSING AREA.

EXISTING UTILITY POLES AND ASSOCIATED ACCESSÓRIES.

REQUEST EXACT FIELD LOCATION OF UTILITIES.

NOTES:

ENGINEER.

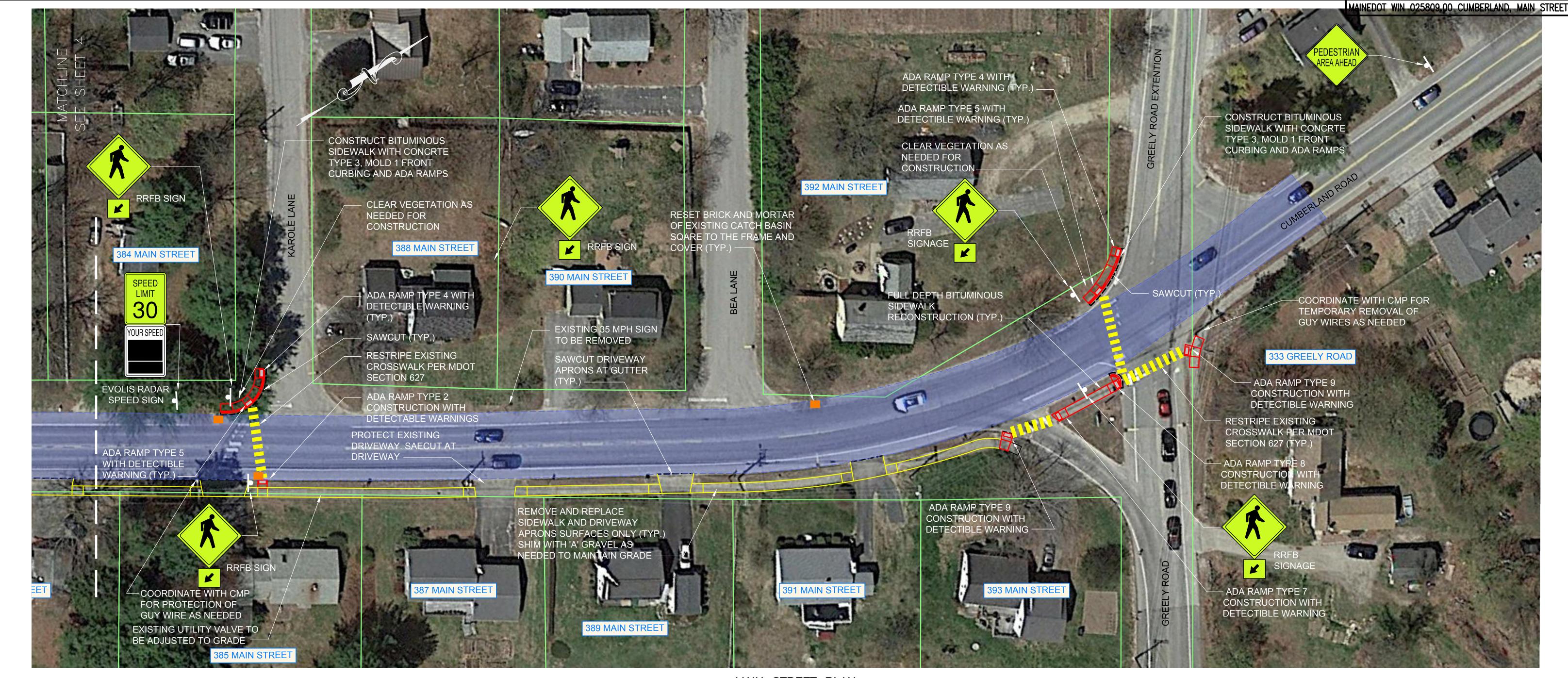
OR RECONSTRUCTED.

CONSTRUCTION.

LICENSED LAND SURVEYOR.

YELLOWISH GREEN

PROJECT SPECIFICATIONS.



MAIN STREET PLAN

1"=25'

NOTES:

ENGINEER.

1. . ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINEDOT SPECIFICATIONS DATED MARCH 2020 AND/OR PROJECT SPECIFICATIONS.

DRIVEWAY APRONS SHALL BE RESURFACED WITH A 1" HIGH LIP.
 DRIVEWAY APRONS SHALL BE SAWCUT AT THE GUTTER LINE.
 SAW CUT LIMITS INTO PROPERTIES TO BE DETERMINED BY TOWN

5. TREES AND VEGETATION WITHIN 3 FEET OF THE SIDEWALK AND/OR 10 FEET ABOVE THE SIDEWALK SHALL BE TRIMMED FOR CONSTRUCTION.

6. ALL SIGNS REMOVED FOR THE PROJECT SHALL BE RETURNED TO THE TOWN OF CUMBERLAND OR RESET AS NECESSARY.7. ALL SIDEWALKS SHALL BE A MINIMUM OF 5 FEET WIDE, CONSTRUCTED OR RECONSTRUCTED.

8. RRFB SIGNAGE SHALL BE INSTALLED IN THE LANDING AREAS OF THE SIDEWALKS, NO MORE THAN 6 FEET FROM THE CROSSING AREA.9. COORDINATE WITH CENTRAL MAINE POWER (CMP) FOR PROTECTION OF

10. ALL EXISTING CATCH BASINS AND MANHOLES LOCATED WITHIN THE LIMITS OF OVERLAY PAVING OF ROAD SURFACE SHALL BE ADJUSTED TO FINAL OVERLAY GRADE WITH CAST IRON OR CONCRETE RISER RINGS.

11. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTRIPING OF ALL

EXISTING CROSSWALKS AND ROAD MARKINGS WITHIN THE LIMITS FOR OVERLAY PAVING AND AS DEPICTED ON THE PLANS PER MDOT SECTION

EXISTING UTILITY POLES AND ASSOCIATED ACCESSÓRIES.

12. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

NOTES: (CONT.)

13. THE CONTRACTOR MUST COORDINATE WITH PORTLAND WATER DISTRICT FOR ADJUSTMENT OF VALVES AND/OR SHUT OFFS IMPACTED BY

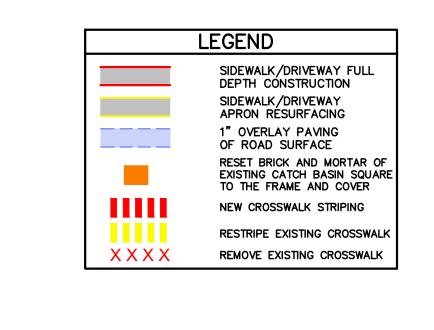
14. ALL TYPE "A" AND "D" GRAVEL SHALL MEET MAINEDOT SPECIFICATION 703.06.

15. PROPERTY LINE AND R.O.W. MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTORS EXPENSE, BY A MAINE LICENSED LAND SURVEYOR.

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18. ANY PEDESTRIAN SIGNAGE BEING REPLACED SHALL BE FLUORESCENT YELLOWISH GREEN



1 inch = 25 ft.

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Drawing Name:	Main Street Sidewalk Plan	
Project:	Downtown Sidewalk Improvements Main Street and Tuttle Road, Cumberland, Maine	
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, Maine 04021	

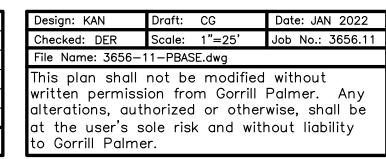




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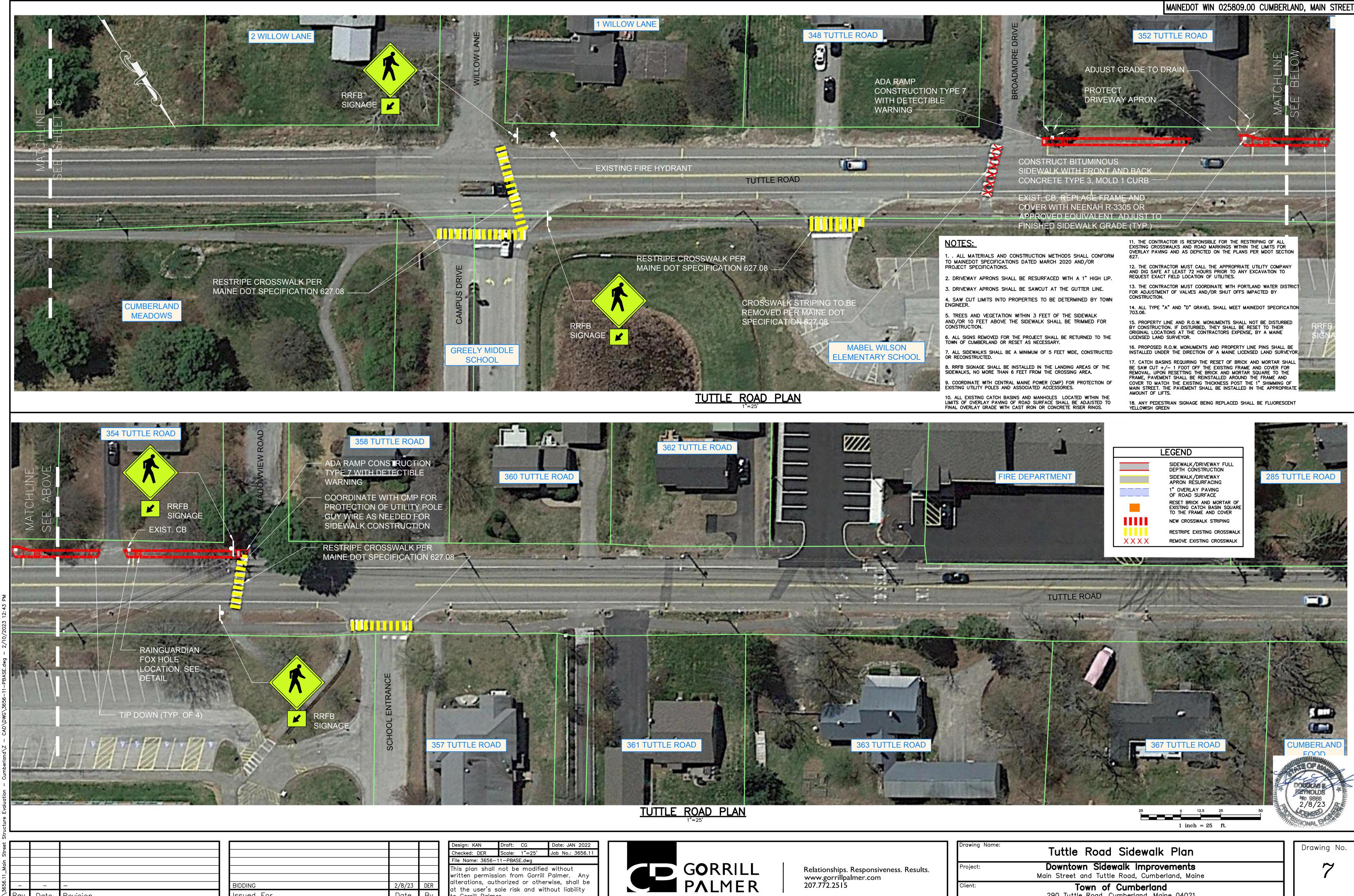


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Drawing Name:	Tuttle Road Sidewalk Plan
Project:	Downtown Sidewalk Improvements Main Street and Tuttle Road, Cumberland, Maine
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, Maine 04021

1 inch = 25 ft.



BIDDING

Revision

Issued For

Date

Town of Cumberland
290 Tuttle Road, Cumberland, Maine 04021



NOTES:

LEGEND SIDEWALK/DRIVEWAY FULL DEPTH CÓNSTRUCTION SIDEWALK/DRIVEWAY APRON RÉSURFACING 1" OVERLAY PAVING OF ROAD SURFACE

RESET BRICK AND MORTAR OF EXISTING CATCH BASIN SQUARE TO THE FRAME AND COVER NEW CROSSWALK STRIPING RESTRIPE EXISTING CROSSWALF REMOVE EXISTING CROSSWALK

1. . ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINEDOT SPECIFICATIONS DATED MARCH 2020 AND/OR PROJECT SPECIFICATIONS.

MAINEDOT WIN 025809.00 CUMBERLAND, MAIN STREET

3. DRIVEWAY APRONS SHALL BE SAWCUT AT THE GUTTER LINE. 4. SAW CUT LIMITS INTO PROPERTIES TO BE DETERMINED BY TOWN

5. TREES AND VEGETATION WITHIN 3 FEET OF THE SIDEWALK

2. DRIVEWAY APRONS SHALL BE RESURFACED WITH A 1" HIGH LIP.

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9. COORDINATE WITH CENTRAL MAINE POWER (CMP) FOR PROTECTION OF

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FOR ADJUSTMENT OF VALVES AND/OR SHUT OFFS IMPACTED BY

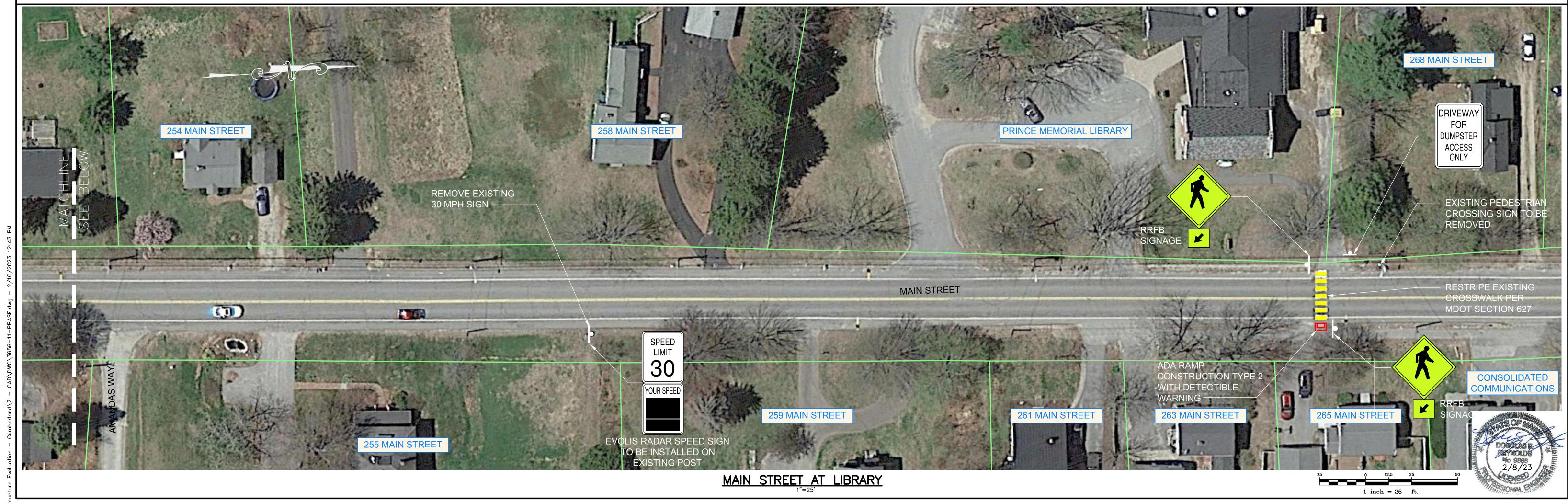
14. ALL TYPE "A" AND "D" GRAVEL SHALL MEET MAINEDOT SPECIFICATION 15. PROPERTY LINE AND R.O.W. MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTORS EXPENSE, BY A MAINE

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Revision

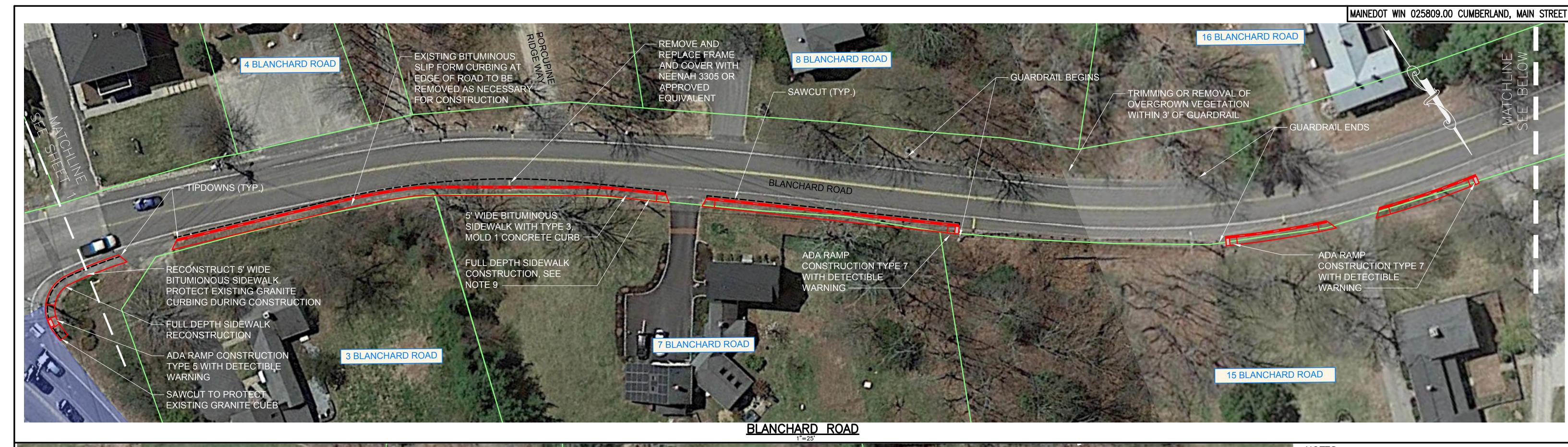
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Drawing Name:	Main Street at Library Sidewalk Plan
Project:	Downtown Sidewalk Improvements Main Street and Tuttle Road, Cumberland, Maine
Client:	
Chefft.	Town of Cumberland 290 Tuttle Road, Cumberland, Maine 04021





NOTES:

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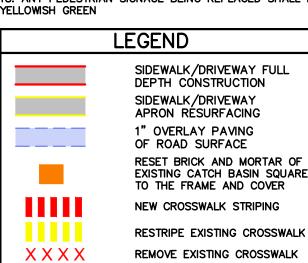
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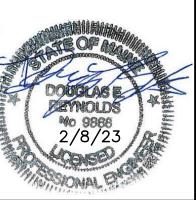
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BLANCHARD ROAD

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		1 inch = 25 ft. X X X REMOVE EXISTING CROSSWALK	
	Drawing Name:	Blanchard Road Sidewalk Plan	
ı			
I	Project:	Downtown Sidewalk Improvements	
		Main Street and Tuttle Road, Cumberland, Maine	
	Client:	Town of Cumberland	
ı		290 Tuttle Road, Cumberland, Maine 04021	



NOTES:

ENGINEER.

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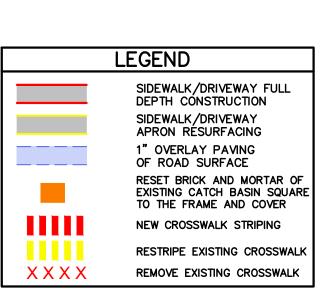
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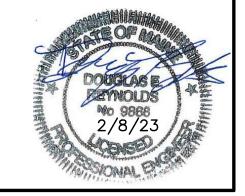
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1 inch = 25 ft.



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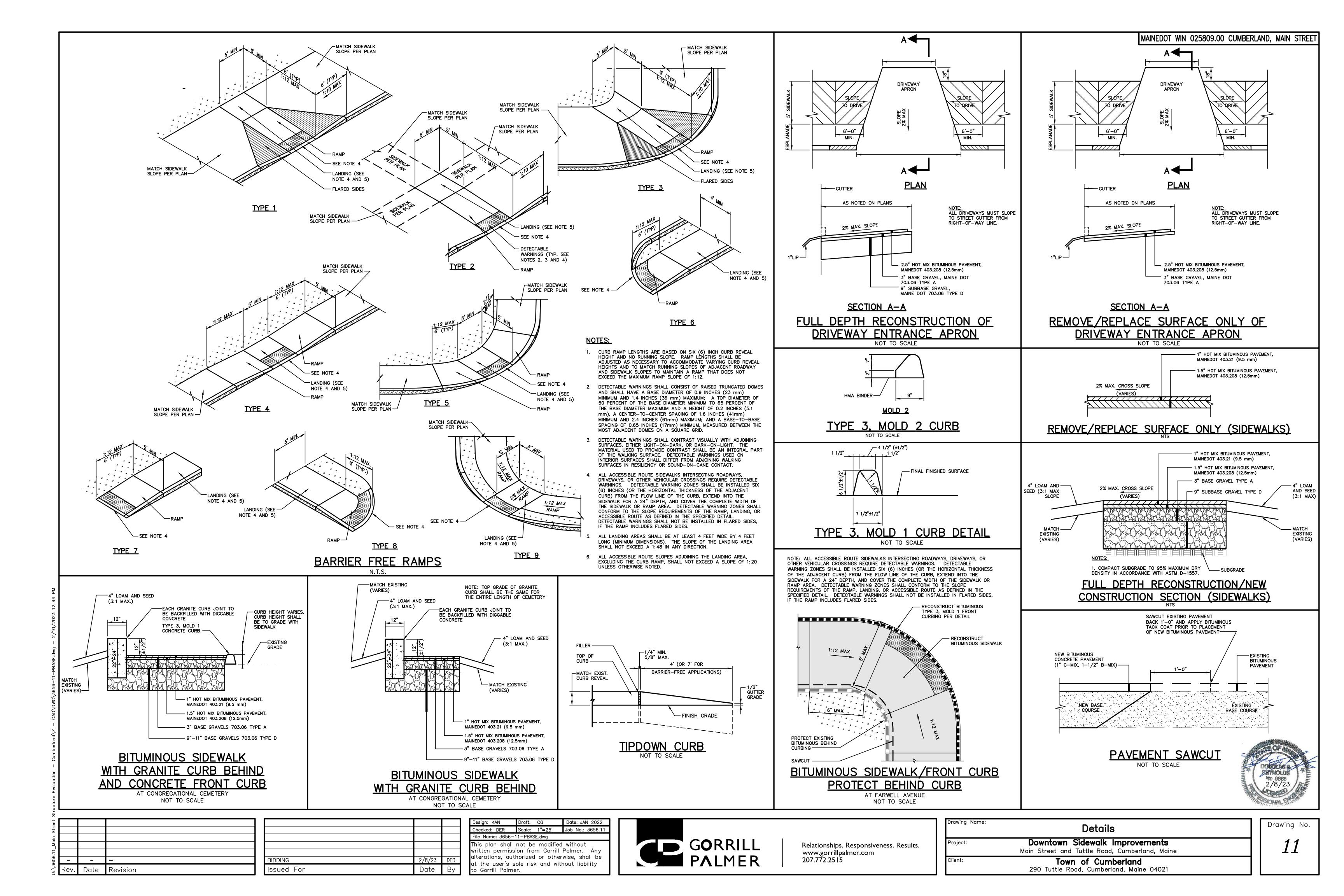
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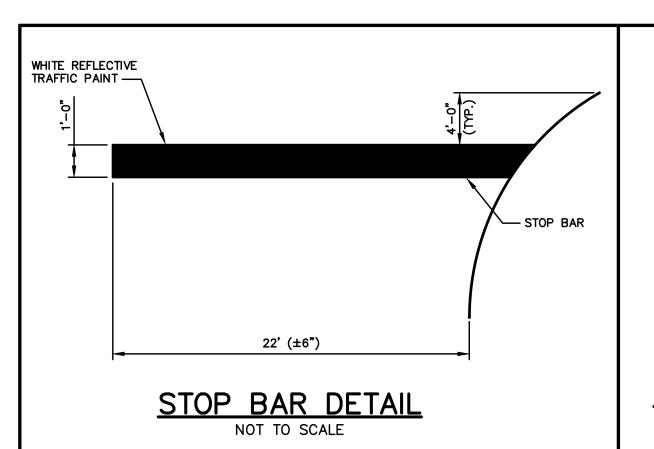
to Gorrill Palmer.

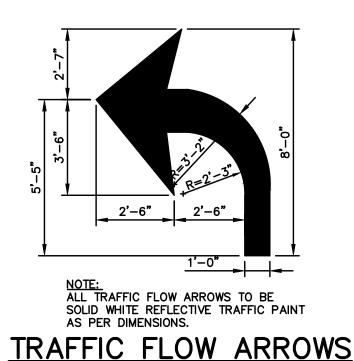


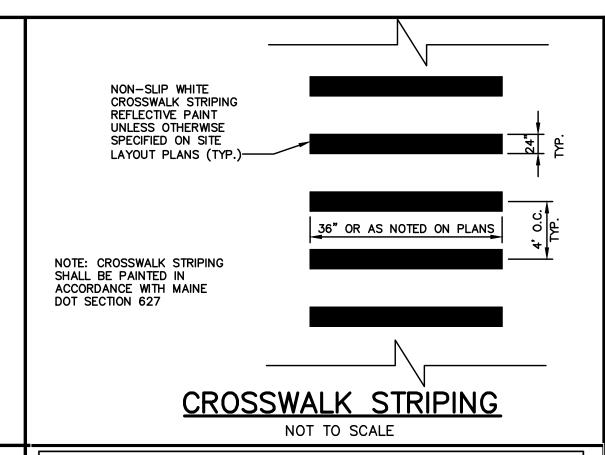
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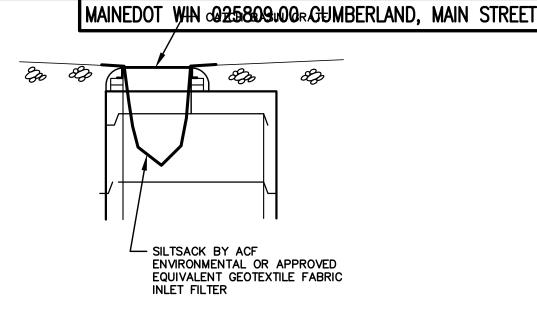
Drawing Name:	Blanchard Road Sidewalk Plan	Drawing No.
Project:	Downtown Sidewalk Improvements Main Street and Tuttle Road, Cumberland, Maine	10
Client:	Town of Cumberland 290 Tuttle Road, Cumberland, Maine 04021	











CATCH BASIN INLET FILTER

NOT TO SCALE

RECTANGULAR RAPID FLASHING BEACON NOTES:

1. RRFB GROUPINGS AT EACH CROSSWALK SHALL BE INTERCONNECTED WITH RADIO COMMUNICATIONS.

2. PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND BE INSTALLED AT 3.5 FEET ABOVE ADJACENT ACCESSIBLE SURFACE GRADE.

3. MAXIMUM ALLOWABLE REACH DISTANCE FOR PEDESTRIAN PUSH BUTTONS IS 10 INCHES. INSTALL EXTENSION BRACKETS IF REQUIRED. PAYMENT FOR EXTENSION BRACKETS WILL BE INCIDENTAL TO ITEM 643.62.

4. ACCESSIBLE PEDESTRIAN PUSH BUTTONS ON RRFB PEDESTAL POLES SHALL BE PROVIDED WITH A PUSH BUTTON LOCATOR TONE AND A SPEECH MESSAGE ON THE RRFB'S ON THE ROADWAY EDGES. SPEECH MESSAGES SHALL BE "(STREET NAME). YELLOW LIGHTS ARE FLASHING FOR (STREET NAME)". SPEECH MESSAGES SHALL BE REPEATED AT LEAST TWICE FOR EACH PUSH BUTTON ACTIVATION.

5. LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PRESENCE OF UNDERGROUND UTILITY FACILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK OR INSTALLATION OF POLES, JUNCTION BOXES, CONDUIT, OR GROUND-MOUNTED SIGNAGE AND SHALL NOTIFY UTILITIES OF PROPOSED WORK IN ACCORDANCE WITH MRSA TITLE 23 SECTION 3360-A. MAINE "DIG SAFE" SYSTEM, CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST THREE WORKING DAYS PRIOR TO THE BEGINNING OF EXCAVATION. ALL UTILITIES SHALL BE LOCATED BEFORE BEGINNING EXCAVATION.

6. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY OPERATIONS ARE CONDUCTED THAT POTENTIALLY COULD CONFLICT WITH AERIAL UTILITIES.

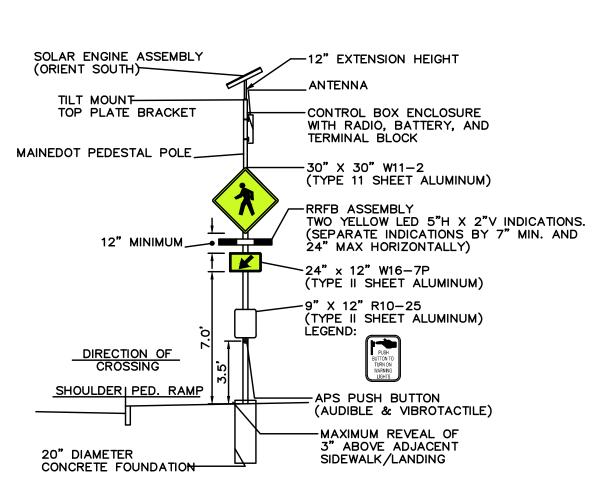
7. SPECIFIED RRFB ASSEMBLY LOCATIONS ARE MEASURED TO THE CENTER OF THE PEDESTAL POLE/FOUNDATION.

8. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHERPROOF TAGS SECURELY ATTACHED TO EACH CABLE.

9. THE MAINTENANCE OF RRFB ASSEMBLIES AND FLASHING SIGNAGE SHALL REMAIN THE RESPONSIBILTY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE INSPECTOR.

10. W11-2 AND W16-7P SIGNS SHALL BE FLUORESCENT YELLOW-GREEN BACKGROUND COLOR.

11. SEE SPECIAL PROVISION 643.



RECTANGULAR RAPID FLASHING BEACON DETAIL (SOLAR POWERED, RADIO ACTIVATED)

RECTANGULAR RAPID FLASHING BEACON NOTES:

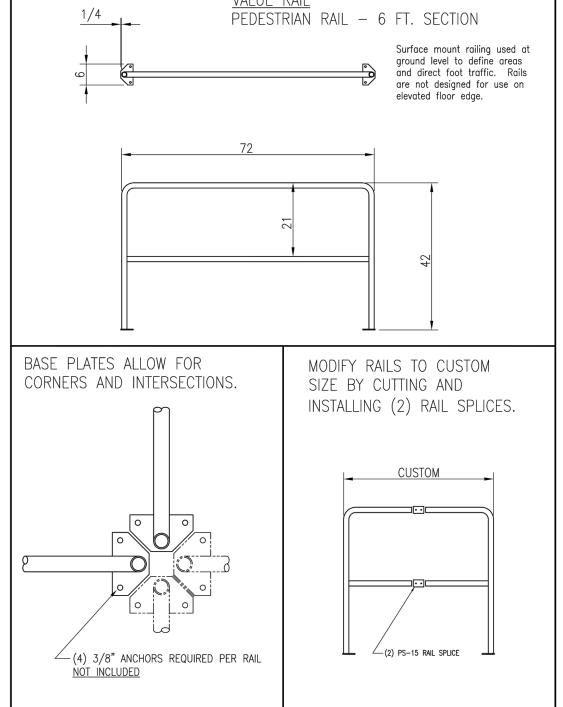
1. FLASH DURATION FOR CROSSING SHALL BE:

TUTTLE ROAD AT CUMBERLAND COMMON: 20 SECONDS TUTTLE ROAD AT CAMPUS DRIVE: 25 SECONDS TUTTLE ROAD AT SCHOOL ENTRANCE: 20 SECONDS MAIN STREET AT LIBRARY: 20 SECONDS

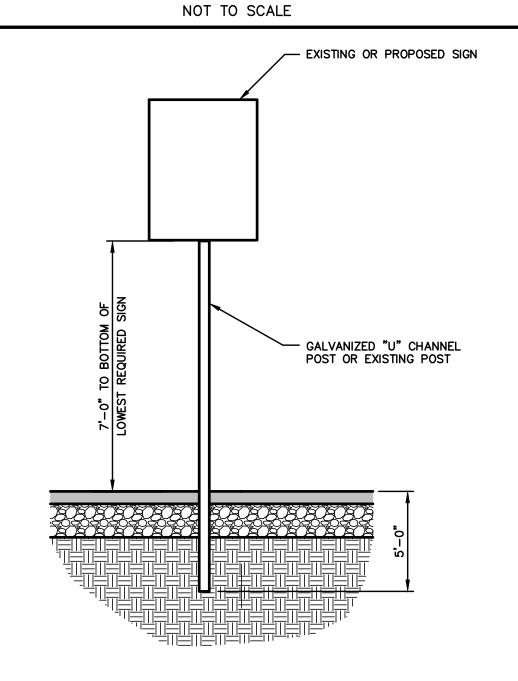
MAIN STREET AT FOOD STOP (2): 20 SECONDS
MAIN STREET AT ATLANTIC FEDERAL CREDIT UNION: 20 SECONDS MAIN STREET AT KAROLE LANE: 20 SECONDS
MAIN STREET AT GREELY ROAD: 20 SECONDS

- 2. INSTALL R10-25 SIGNAGE AND PUSH BUTTON TO ALIGN TO DIRECTION OF CROSSING.
- 3. ALIGN W11-2 RRFB ASSEMBLY AND W16-7p TO FACE TRAFFIC.
- 4. ALL LIGHTS AND PEDESTRIAN PUSH BUTTONS SHALL BE JSF TECHNOLOGIES OR APPROVED EQUAL.

RECTANGULAR RAPID **FLASHING BEACON**



AT BLANCHARD ROAD



SIGN INSTALLATION

FOXHOLE COULD ALSO BE INSTALLED BEHIND CURB

SIDEWALK

CURB

ALL TRAFFIC MARKINGS TO BE

SCHOOL ZONE PAVEMENT MARKINGS

SOLID WHITE REFLECTIVE TRAFFIC

PAINT AS PER DIMENSIONS BELOW.

OUTLET

OUTLET

2'-11"

REMOVABLE FILTER WALL -

2'-6"

MIDDLE

3D VIEW

MIDDLE

2'-11"

END A-A' VIEW

ELEVATION VIEW

TYPICAL DETAIL

3'-0"

FRP COMPOSITE LID

FIBERGLASS GRATE

SPECIFICATIONS 1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURES (INLET 875 LBS, MIDDLE 965 LBS, AND OUTLET 730 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (4% TO 8% BY VOLUME). MANUFACTURED AND DESIGNED TO ASTM C858. . 2-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK. 3. FIBERGLASS GRATE (11 LBS/PIECE). 4. FRP COMPOSITE LID (38 LBS/PIECE) WITH CONCENTRATED LOAD CAPACITY OF 11,200 LBS. INSTALLATION NOTES 1. INSTALL A CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR). IT IS CRITICAL THAT THE CLASS 5 BASE IS EVEN TO ENSURE THE FOXHOLE PIECES ALIGN VERTICALLY SUCH THAT THE TOP LIDS LAY FLUSH WITH THE TOP OF THE FOXHOLE PIECES AND ADJACENT BOULEVARD, SIDEWALK, OR PATH. THE DISTANCE FROM THE BACK OF THE CURB MAY VARY BASED ON SITE CONDITIONS. EXCAVATE 1' 7" BELOW THE GUTTERLINE ELEVATION (I.E. THE BIORETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 9" PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" RAIN GUARDIAN FOXHOLE BASE (INCLUDED). THEREFORE, THE TOP OF THE CLASS 5 COMPACTED BASE IS PRECISELY 1' 1" BELOW THE GUTTERLINE ELEVATION. THE TOP OF THE RAIN GUARDIAN FOXHOLE INLET POINT WILL BE 7-1/2" ABOVE THE TOP OF THE CONCRETE BASE AND 1-1/2" BELOW THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN FOXHOLE.

2. SET RAIN GUARDIAN FOXHOLE INLET FIRST, FOLLOWED BY MIDDLE SECTION(S), AND FINALLY THE OUTLET ON THE PREPARED CLASS 5 BASE. POSITION RAIN GUARDIAN FOXHOLE OUTLET PIECE SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL.

3. SECURE MODULAR FOXHOLE PIECES AT EACH JOINT USING PROVIDED GALVANIZED TIE RODS.

4. INSTALL EXPANSION/CONTRACTION JOINT MATERIAL OR A SHEET OF POLY TO SERVE AS A BOND BREAK BETWEEN RAIN GUARDIAN FOXHOLE AND CONCRETE INLET BEFORE POURING INLET.

5. REMOVABLE FILTER WALL SHOULD BE INSTALLED WITH FILTER FABRIC FACING THE RAIN GUARDIAN FOXHOLE INLET.

INSTALLED PLAN VIEW - INLET ONLY INSTALLED ELEVATION VIEW - INLET/OUTLET ONLY RAIN GUARDIAN FOXHOLE MODULAR PRETREATMENT CHAMBER **BIORETENTION PONDING DEPTH: 9"**

CLASS 5 AGGREGATE

INLET

INLET

2'-11"

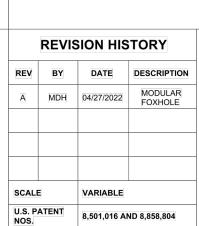
FRP COMPOSITE LID

FIBERGLASS GRATE

2'-8.25"

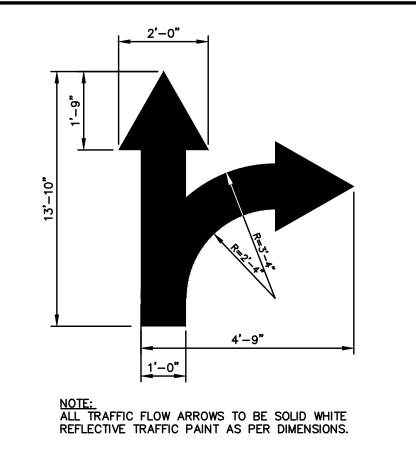
TIE ROD

GUTTER





DEVELOPED BY:



TRAFFIC FLOW ARROWS NOT TO SCALE

2'-1"

2'-7"

2'-11"

2'-7"

2'-11"

PLAN VIEW

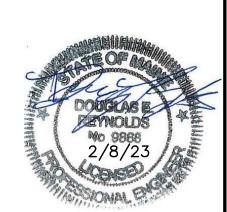
PRETREATMENT FOR BIORETENTION

www.RainGuardian.biz

OUTLET

MIDDLE

INLET



NOT TO SCALE

Revision

DER BIDDING Date Issued For

Design: KAN	Draft:	CG	Date: JAN 2022
Checked: DER	Scale:	NTS	Job No.: 3656.11

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rawing Name:	Details	
'roject:	Downtown Sidewalk Improvements Main Street and Tuttle Road, Cumberland, Maine	
lient:	Town of Cumberland 290 Tuttle Road, Cumberland, Maine 04021	