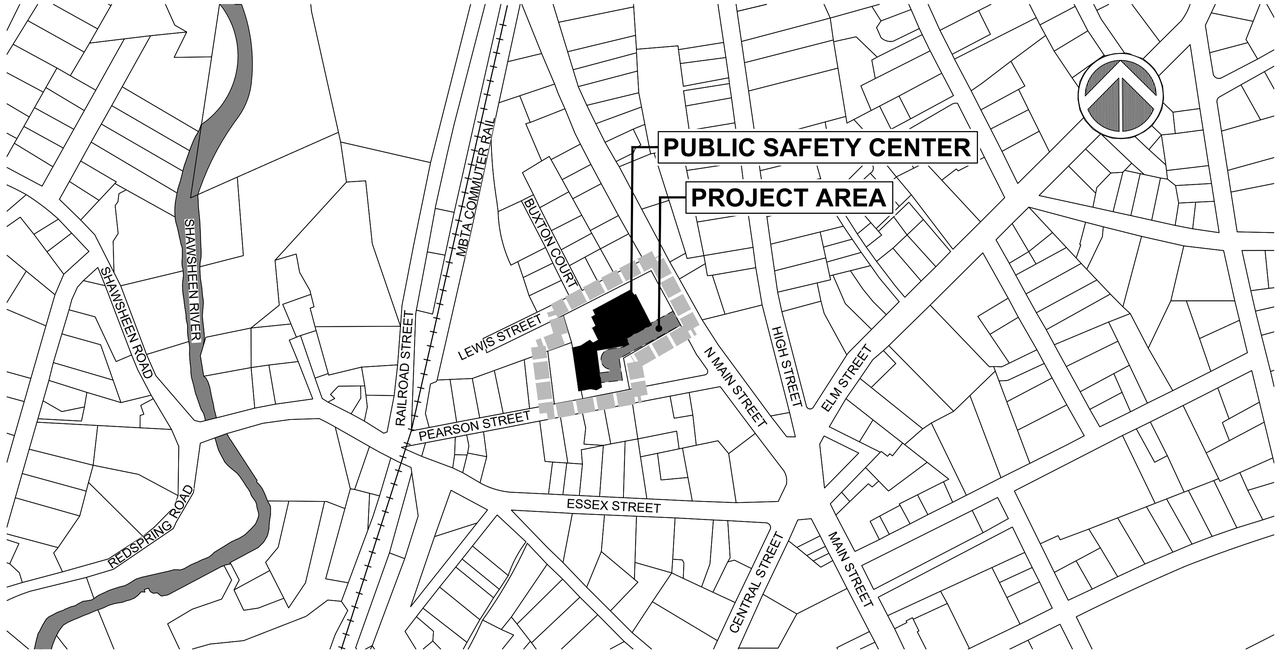


LOCUS PLAN
SCALE: 1" = 200'

Andover Public Safety Center
Sidewalk & Curb Replacement
Andover, Massachusetts

BID SET

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND INDEX
2	SITE PREPARATION & DEMOLITION PLAN
3	LAYOUT & MATERIALS PLAN
4	GRADING PLAN
5	DETAILS

GPI Engineering Design Planning Construction Management
978.570.2999 GPINET.COM
Greenman-Pedersen, Inc.
181 Ballardvale Street, Suite 202
Wilmington, MA 01887

SEAL:
COMMONWEALTH OF MASSACHUSETTS
TIMOTHY LETTON
CIVIL
No. 53308
REGISTERED PROFESSIONAL ENGINEER
08.25.2022

OWNER:
TOWN OF ANDOVER
36 Bartlet Street
Andover, MA 01810

PROJECT:
ANDOVER PUBLIC SAFETY CENTER
32 N. Main St. (Rte. 28)
Sidewalk and Curb Replacement

REVISIONS

NO.	REVISION	DATE

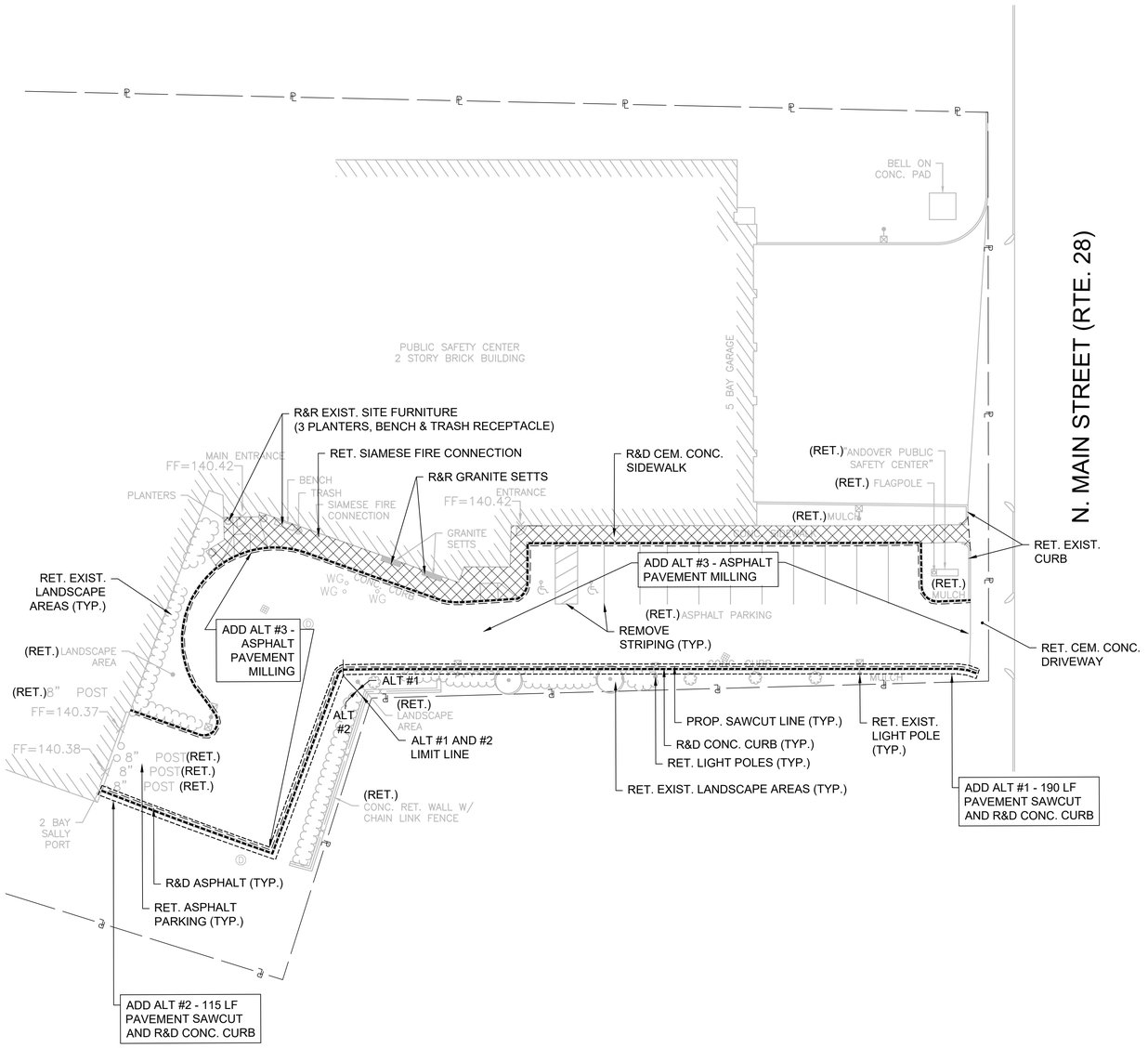
AUGUST 30, 2022

DRAWN/DESIGN BY	CHECKED BY
CPS/JF	GJH

TITLE SHEET AND INDEX

SCALE: AS SHOWN

NEX-2200194.00



LEGEND

- R&D CEM. CONC. SIDEWALK
- R&D CONC. CURB
- SAWCUT LINE
- EXISTING LIGHT POLE TO REMAIN

SITE PREPARATION & DEMOLITION NOTES:

1. CONTRACTOR SHALL SUPPLY AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL NECESSARY DEVICES FOR EROSION, SEDIMENT AND DUST CONTROL, INCLUDING THOSE DEVICES NECESSARY FOR PROTECTION OF ADJACENT PUBLIC WAYS, AND SHALL REMOVE ALL DEVICES AFTER PROJECT COMPLETION.
2. CONTRACTOR SHALL INSTALL INLET SEDIMENT CONTROL DEVICES IN EXISTING CATCH BASINS FOR DURATION OF CONSTRUCTION UNTIL FINAL STABILIZATION.
3. CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FOR THE WORK FROM ANY TOWN DEPARTMENT, UTILITY COMPANY, OR OTHER JURISDICTION AFFECTED BY THE WORK.
4. ALL PEDESTRIAN AND VEHICULAR TRAFFIC ALONG PUBLIC WAYS SHALL BE MAINTAINED OR DETOURED BY CONTRACTOR DURING CONSTRUCTION AND COORDINATED WITH THE TOWN OF ANDOVER.
5. CONTRACTOR SHALL USE EXTREME CAUTION WHEN REMOVING CURB OR PAVEMENT UNDER THE DRIP LINE OF EXISTING TREES TO AVOID DAMAGE TO ROOTS AND OVERHEAD BRANCHES.
6. OWNER'S REPRESENTATIVE MUST BE NOTIFIED (48 HOURS IN ADVANCE) OF ANY EQUIPMENT OR MATERIAL DISPOSAL, AND GIVEN THE RIGHT OF REFUSAL. MATERIALS DESIGNATED FOR DISPOSAL SHALL BE DISPOSED OF IN A LEGAL MANNER.
7. ANY UNSCHEDULED DISTURBANCE OR DAMAGE SHALL BE REPAIRED PROMPTLY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
8. PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE "DIG SAFE" NOTIFICATION PROCEDURES. THE "DIG SAFE" TELEPHONE NUMBER FOR MASSACHUSETTS IS 1-800-344-7233.
9. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITY LINES AND STRUCTURES TO REMAIN.

0 20 50 100

SCALE: 1" = 20'

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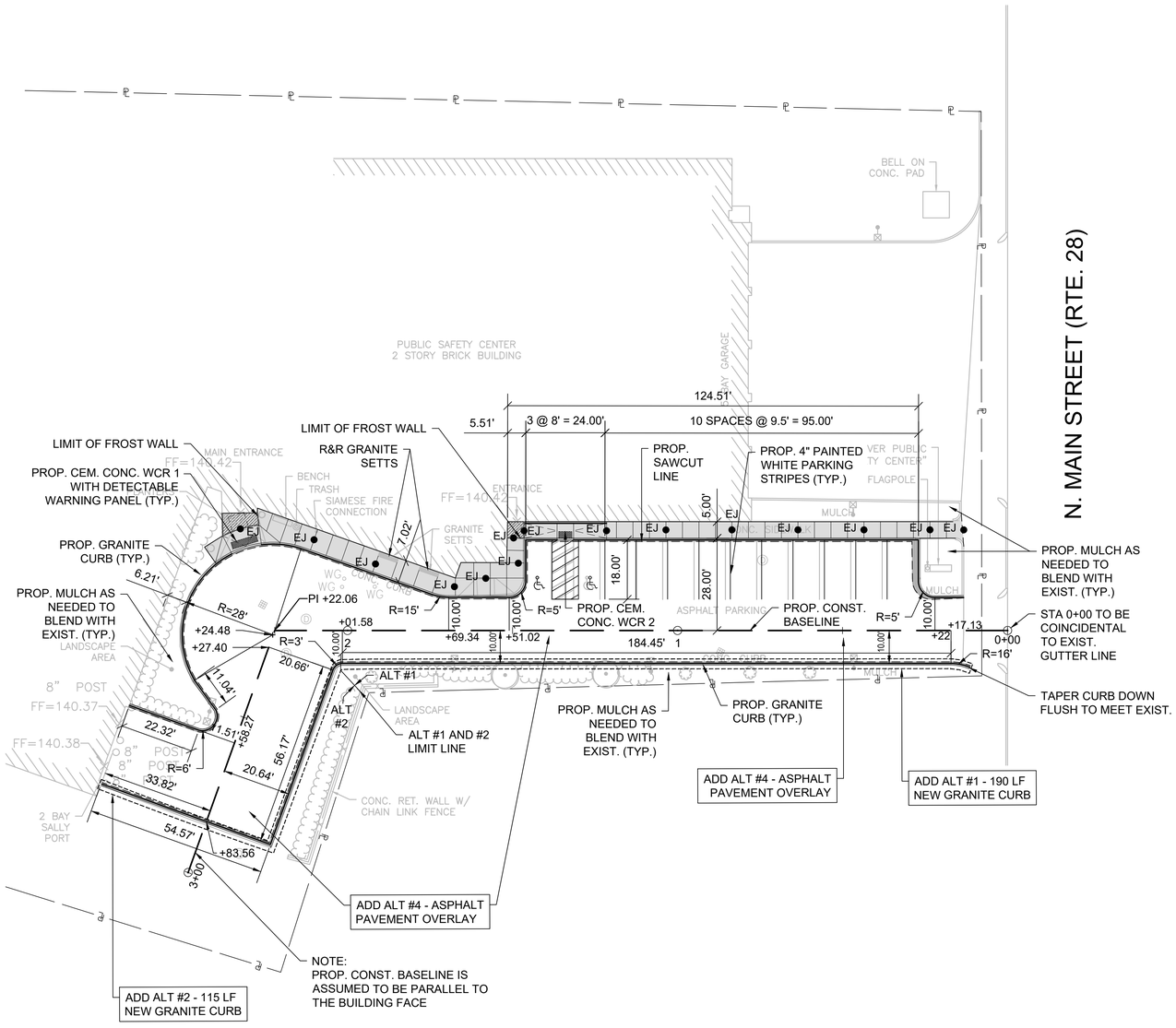
SITE PREPARATION & DEMOLITION PLAN

SCALE: 1"=20'

NEX-2200194.00



LAYOUT & MATERIAL NOTES:

1. LOCATION OF ALL SITE IMPROVEMENTS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE DESIGNER PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER IMMEDIATELY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SURVEY CONTROL POINTS THROUGHOUT CONSTRUCTION.
4. REMULCH ALL BEDS UPON COMPLETION.

LEGEND

- PROP. WHEELCHAIR RAMP (WCR)
- 6" GRANITE CURB
- EXISTING LIGHT POLE TO REMAIN
- EJ ● PROP. EXPANSION JOINT
- PROP. PAVEMENT RECONSTRUCTION
- PROP. 4" CEM. CONC. SIDEWALK
- PROP. FROST WALL

0 20 50 100

SCALE: 1" = 20'

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LAYOUT & MATERIALS PLAN

SCALE: 1"=20'

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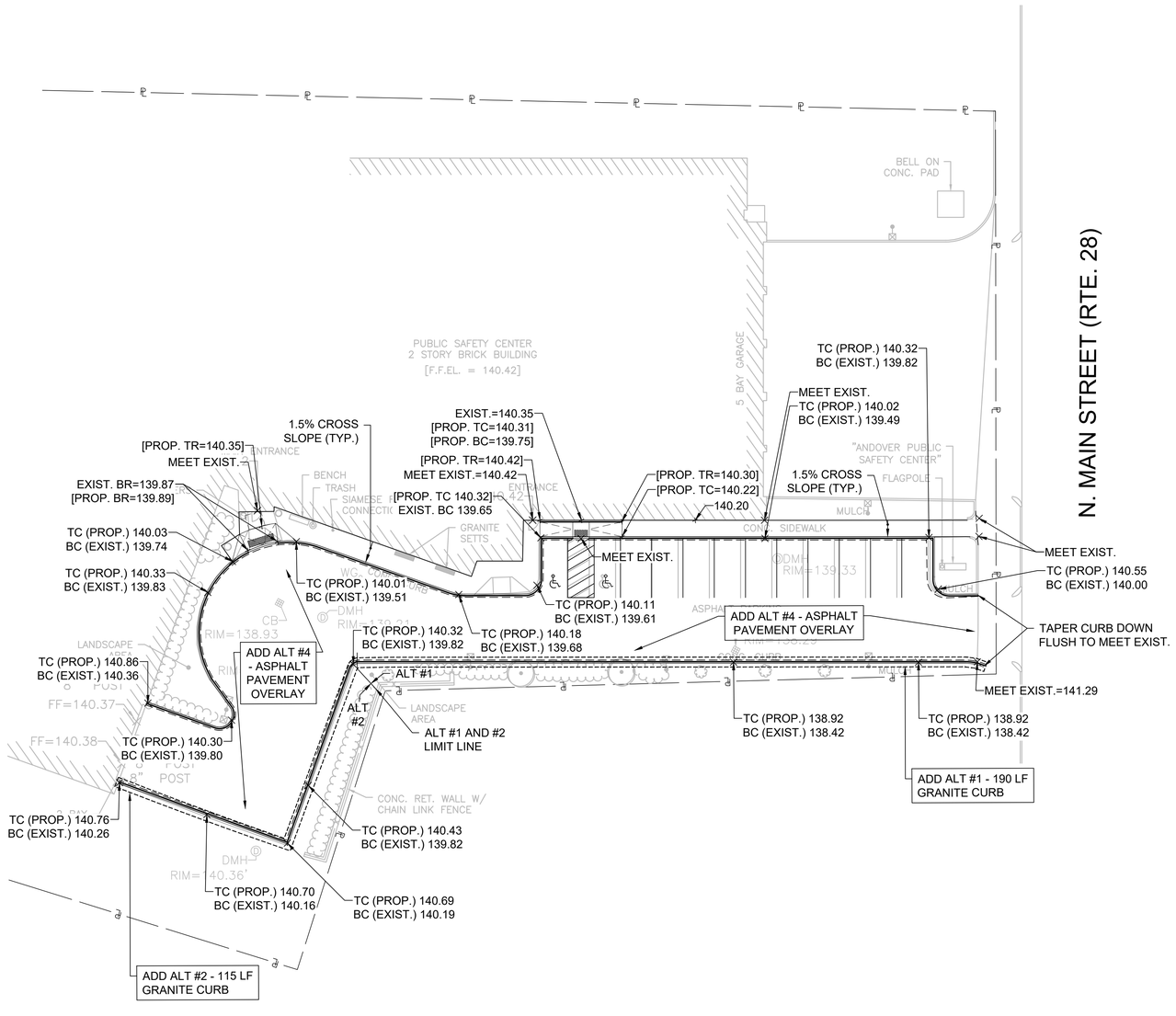

LEGEND

- PROP. WHEELCHAIR RAMP (WCR)
- 6" GRANITE CURB
- EXISTING LIGHT POLE TO REMAIN
- TR TOP OF RAMP
- BR BOTTOM OF RAMP
- TC TOP OF CURB
- BC BOTTOM OF CURB

GRADING NOTES:

1. TYPICAL CROSS SLOPE OF WALKWAYS SHALL BE 1.5% WITH A MAXIMUM CROSS SLOPE OF 2.0%. CROSS SLOPES WILL BE ESTABLISHED BY THE CONTRACTOR AND REVIEWED BY THE DESIGNER.
2. LONGITUDINAL CROSS SLOPE OF WALKWAYS SHALL NOT EXCEED 5.0% UNLESS SPECIFIED OTHERWISE.
3. ANY DISCREPANCIES OR CONFLICTS ARISING BETWEEN EXISTING CONDITIONS AND THE GRADING PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER BEFORE PROCEEDING.
4. GRADE STAKES SHOWING FINISHED GRADES SHALL BE REVIEWED BY THE DESIGNER IN THE FIELD BEFORE FINAL GRADING CAN COMMENCE.
5. THE CONTRACTOR'S WORK SHALL BE SCHEDULED TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.
6. THE PROPOSED PAVEMENT AREAS SHALL BE PITCHED A MINIMUM OF ONE PERCENT. BLEND GRADES OF NEW PAVEMENTS, AS WELL AS MULCHED AREAS SMOOTHLY INTO EACH OTHER AND EXISTING GRADES TO REMAIN.
7. ALL EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED WITH AN INLET CONTROL DEVICE (INLET SILT SACK).

0 20 50 100

SCALE: 1" = 20'

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GRADING PLAN

SCALE: 1"=20'

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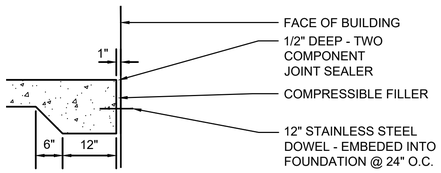
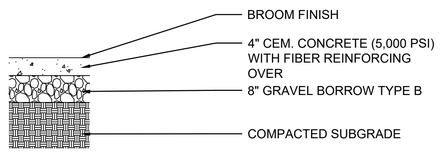


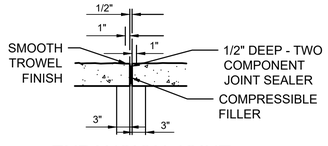
1 THICKENED SLAB

SCALE: 3/4" = 1'-0"



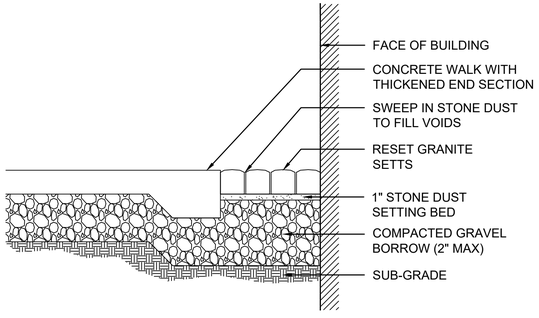
2 CEMENT CONCRETE SIDEWALK

SCALE: 3/4" = 1'-0"



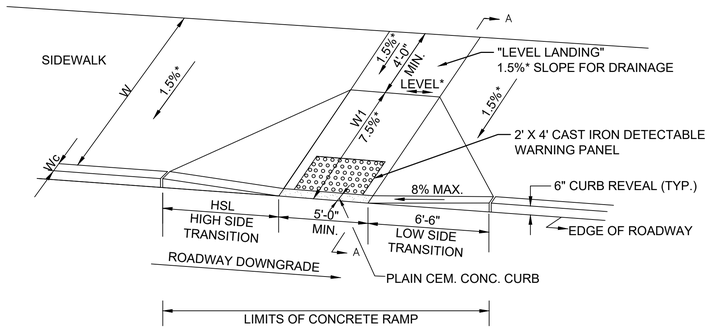
3 CONCRETE SIDEWALK JOINTING

SCALE: 3/4" = 1'-0"



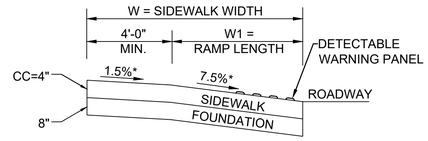
4 RESET GRANITE SETTS

NOT TO SCALE



LEGEND

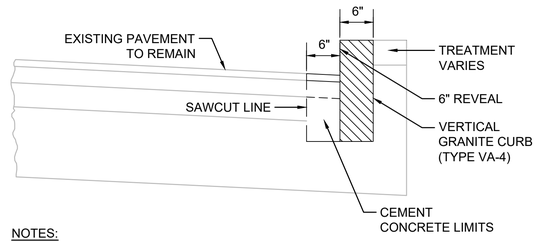
HSL =HIGH SIDE TRANSITION LENGTH
W =SIDEWALK WIDTH
Wc =CURB WIDITH
W1 =PERPENDICULAR RAMP LENGTH
Cc =CEMENT COMCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%
USABLE SIDEWALK WIDTH PER AAB = W-Wc
RAMP LENGTH, W1 = W-4'-0" MIN.



SECTION A-A

5 WHEELCHAIR RAMP - (WCR 1)

NOT TO SCALE

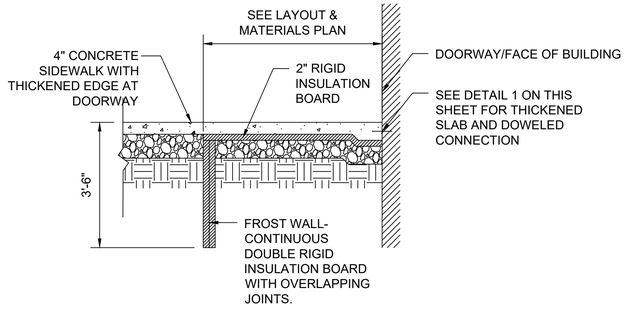


NOTES:

1. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE BASE AND GRAVEL. REPLACE WITH CEMENT CONCRETE AND FULL DEPTH PAVEMENT.
2. ALL CEMENT CONCRETE FOR CURB SETTING SHALL BE 2,500 PSI.

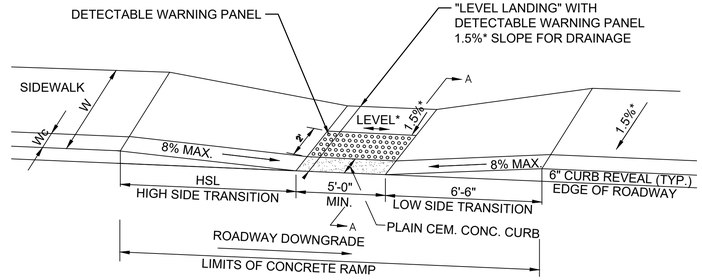
6 VERTICAL GRANITE CURB

NOT TO SCALE



7 FROST WALL

NOT TO SCALE

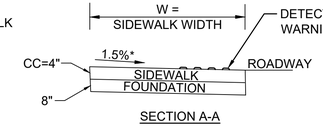


NOTE

ROADWAY, GUTTER AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS

LEGEND

HSL =HIGH SIDE TRANSITION LENGTH
W =SIDEWALK WIDTH
Wc =CURB WIDITH
CC =CEMENT COMCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%
USABLE SIDEWALK WIDTH PER AAB = W-Wc
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'-0"



SECTION A-A

8 WHEELCHAIR RAMP - (WCR 2)

NOT TO SCALE

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DETAILS

SCALE: AS SHOWN

NEX-2200194.00

5 OF 5