THE TOWN OF ERVING, MASSACHUSETTS

SELECT BOARD

JACOB A. SMITH, CHAIR
WILLIAM A. BEMBURY
SCOTT BASTARACHE

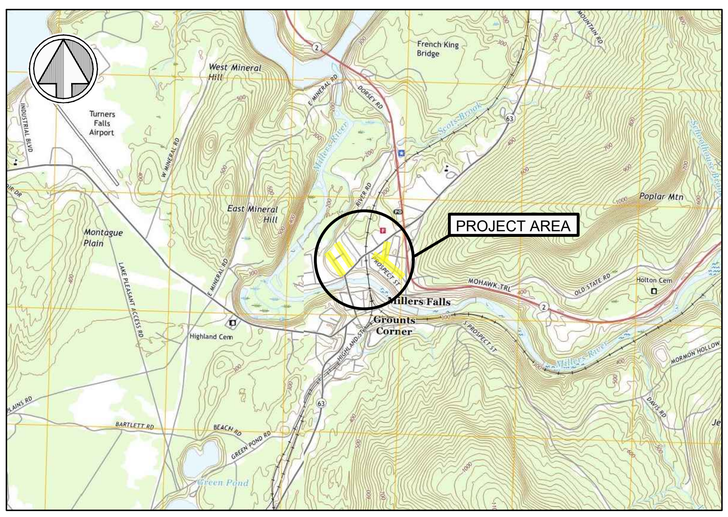
SIDEWALK IMPROVEMENTS PROJECT

CENTRAL STREET

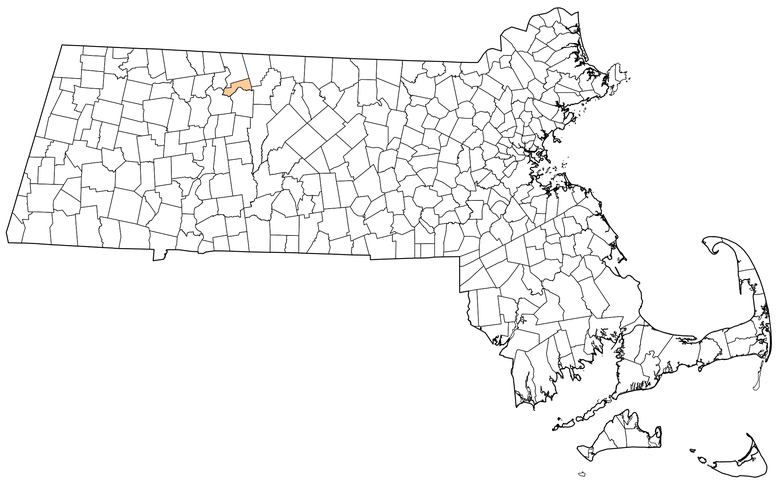
GUNN STREET

PARK STREET

PRATT STREET



LOCATION MAP
SCALE: 1"=2000'



PREPARED BY:

Weston & Sampson℠

WESTON & SAMPSON ENGINEERS, INC.
55 Walkers Brook Drive, Suite 100, Reading, MA

SELECT BOARD MEETING 07-12-21

P:\MA\Erving, MA\EN021-0363 Sidewalks\5 Sidewalks CAD\Erving Sidewalks 2021.dwg

LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	S	8"S PVC
FORCE MAIN	FM	6"FM DI
WATER MAIN	W	8"W DI
TEMPORARY WATER	TW	X" TW
STORM DRAIN	D	18"D RCP
GAS	G	4"G
ELECTRIC	E	E
TELEPHONE	T	T
HOUSE CONNECTION	SS	SS
WATER SERVICE	WS	WS
TEMPORARY WATER SERVICE		TW
SANITARY SEWER MANHOLE	Ⓢ	SMH
STORM DRAIN MANHOLE	Ⓓ	DMH
ELECTRICAL MANHOLE	Ⓔ	
TELEPHONE MANHOLE	Ⓣ	
AIR RELEASE VALVE MANHOLE		ARMH
FORCE MAIN CLEANOUT MANHOLE		FMMH
CLEANOUT		CO
CATCH BASIN		
HYDRANT		
TEMPORARY HYDRANT		Ⓗ
GATE VALVE		
CHECK VALVE		
BUTTERFLY VALVE		
INSERTION VALVE		
CURB STOP		
REDUCER		
CAP OR PLUG / CUT AND CAP		
GAS GATE VALVE		
UTILITY POLE		
GUY POLE		
GUY WIRE		
OVERHEAD UTILITIES	OHU	
LIGHT POST		
EDGE OF PAVEMENT		
EDGE OF UNPAVED ROAD		
CURB		
CONCRETE SIDEWALK	CONC WALK	
BITUMINOUS SIDEWALK	BIT WALK	
STONE WALL		
RETAINING WALL	RET WALL	RET WALL
WIRE FENCE	x x x	
CHAIN LINK FENCE	o o	o o
DECIDUOUS TREE		
EVERGREEN TREE		
TREE LINE		
CONTROL/SURVEY POINT		
BENCH MARK		
PROPERTY LINE		
EASEMENT LINE		
CONTOUR	56	
SPOT ELEVATIONS	× 100.2	×101.5
BUILDING/BUILDING NUMBER	#35	
FLOOR ELEVATION	FF=56.7	
SILL ELEVATION	S=56.7	
LIMIT OF WORK		
WETLAND/WETLAND FLAG/RIVERFRONT FLAG	X2 RA1	
200' RIVERFRONT AREA	RF	
100' WETLAND SETBACK	WLS	
EDGE OF WATER		
DRAINAGE SWALE		
RIP RAP		
BOLLARD	B	B
SIGN		1
GUIDE RAIL		
TEST PIT	R2	
BORING	B1	
PROBE	P-1	
HAY BALES		
STRAW WATTLE		
ROCK OUTCROP		

NOTE: ITEMS SHOWN IN THE LEGEND MAY NOT BE PRESENT IN THESE PLANS

ABBREVIATIONS

AC	ASBESTOS CEMENT PIPE
ACCMP	ASPHALT COATED CORRUGATED METAL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE, BITUMINOUS CONCRETE LIP CURB
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK
BoV	BOUNDARY VALVE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CNO	COULD NOT OPEN
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CU FT	CUBIC FEET
CY	CUBIC YARD
D	STORM DRAIN
DI	DROP INLET, DUCTILE IRON
DIA, ø	DIAMETER
DINV	DEPTH TO INVERT OF EXISTING PIPE
DMH	DRAIN MANHOLE
E	ELECTRIC, EAST
EA	EACH
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EX	EXISTING
FT	FEET, FOOT
G	NATURAL GAS
GALV	GALVANIZED
GC	GRANITE CURB
HC	HOUSE CONNECTION
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
INV	INVERT
ID	INSIDE DIAMETER
IP	IRON PIPE
LF	LINEAR FEET
LS	LUMP SUM
MASSDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
MAX	MAXIMUM
MB	MAIL BOX
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NC	NORMALLY CLOSED
NF	NOW OR FORMERLY, NOT FOUND
NO OR #	NUMBER
PE	POLYETHYLENE
ℙ	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PR	PROPOSED
PVMT	PAVEMENT
RC	REINFORCED CONCRETE
ROW	RIGHT-OF-WAY
S	SEWER, SOUTH
SF	SQUARE FEET
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE
STA	STATION
SW	SIDEWALK
T	TELEPHONE
TBM	TEMPORARY BENCH MARK
TL	TRAFFIC LOOP
TW	TEMPORARY WATER LINE
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST
YD	YARD DRAIN

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CALL DIGSAFE AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
3. TEST PITS TO LOCATE EXISTING UTILITIES SHALL BE PERFORMED WHERE SHOWN ON THE PLANS OR WHERE REQUIRED BY THE ENGINEER. TEST PITS SHALL BE PERFORMED PRIOR TO CONSTRUCTION.
4. STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO THE PROJECT.
5. ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
6. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.
8. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A SURVEYOR LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS TO COMPLETE ALL LAYOUTS, SURVEYS, BENCHMARK TRANSFERS, ETC. REQUIRED FOR CONSTRUCTION OF THE PROJECT.
9. INLET PROTECTION SHALL BE PROVIDED AND MAINTAINED ON ALL CATCH BASINS FOR THE DURATION OF THE PROJECT.
10. ALL PROPOSED SIDEWALKS SHALL MATCH GRADE AT ROADWAY INTERSECTIONS, PRIVATE PROPERTY SIDEWALKS, STAIRWAYS, AND BUILDING ENTRANCES.
11. ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES. ALL SIGNAGE SHALL BE REMOVED AND ALL ROADS OPENED TO NORMAL TRAFFIC FLOW.
12. EXISTING UTILITIES, TOPOGRAPHY, EDGE OF PAVEMENT, UTILITY POLE LOCATIONS, SIDEWALKS AND LOCATIONS OF ABOVE GROUND STRUCTURES FROM FIELD SURVEY PERFORMED MAY 2021 BY WESTON & SAMPSON ENGINEERS, INC.
13. ELEVATIONS SHOWN BASED UPON NAVD88 AND HORIZONTAL COORDINATES BASED UPON MASSACHUSETTS STATE PLANE.
14. PROPERTY LINE INFORMATION BASED ON MAPPING PROVIDED BY MASSGIS AND THE TOWN OF ERVING, MASSACHUSETTS.
15. RESOURCE AREAS DELINEATED BY HEATHER COMEE, WETLAND CONSULTANT, INC. AND FIELD LOCATED BY WESTON & SAMPSON JUNE 2021.
16. CONTACT INFORMATION:
    ERVING HIGHWAY DEPARTMENT : GLENN McCRORY, 413-423-3500 x1400

DRAWING INDEX

SHEET NO.	DRAWING NO.	TITLE
1	--	COVER
2	C-001	LEGEND, ABBREVIATIONS, NOTES AND DRAWING INDEX
3	C-100	CENTRAL STREET STA 0+00 TO 11+00 AND PARK STREET 0+00 TO 0+65
4	C-101	PARK STREET STA 0+65 TO 5+50
5	C-102	PRATT STREET STA 0+00 TO 9+00
6	C-103	GUNN STREET STA 0+00 TO 7+25
7	C-500	GRADING PLANS
8	C-501	DETAILS
8	C-502	DETAILS
9	C-503	CONSTRUCTION ZONE SAFETY PLAN

SELECT BOARD MEETING 07-12-21

Project:
TOWN OF ERVING
MASSACHUSETTS

SELECT BOARD

SIDEWALK IMPROVEMENTS PROJECT

CENTRAL STREET, GUNN STREET, PARK STREET AND PRATT STREET

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Reviewed By: WGS

Approved By: CBW

W&S Project No.: ENG21-0363

W&S File No.:

Drawing Title:

LEGEND, ABBREVIATIONS, NOTES AND DRAWING INDEX

Sheet Number:

C-001

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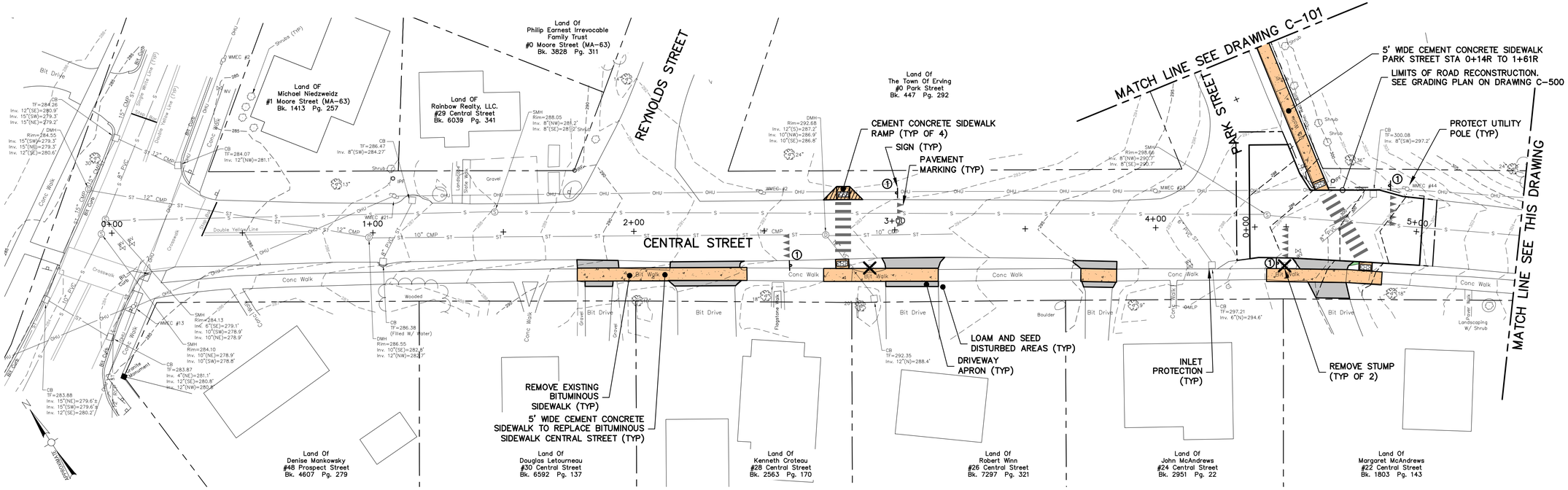

PLAN

SCALE: 1"=20'

0 20' 40' 60'

SIGN LEGEND

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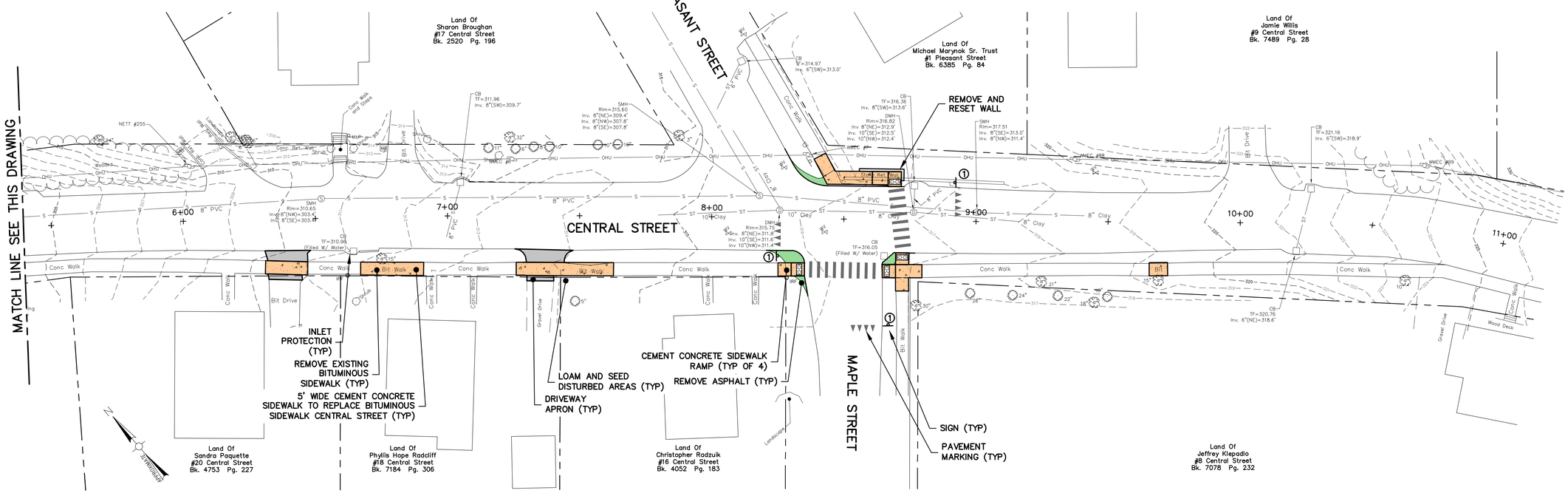

PLAN

SCALE: 1"=20'

0 20' 40' 60'

SELECT BOARD MEETING 07-12-21

Project:

TOWN OF ERVING
MASSACHUSETTS

SELECT BOARD

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Drawn By: WGS

Reviewed By: WGS

Approved By: CBW

W&S Project No.: ENG21-0363

W&S File No.:

Drawing Title:

CENTRAL STREET STA 0+00 TO 11+00 AND PARK STREET 0+00 TO 0+65

Sheet Number:

C-100

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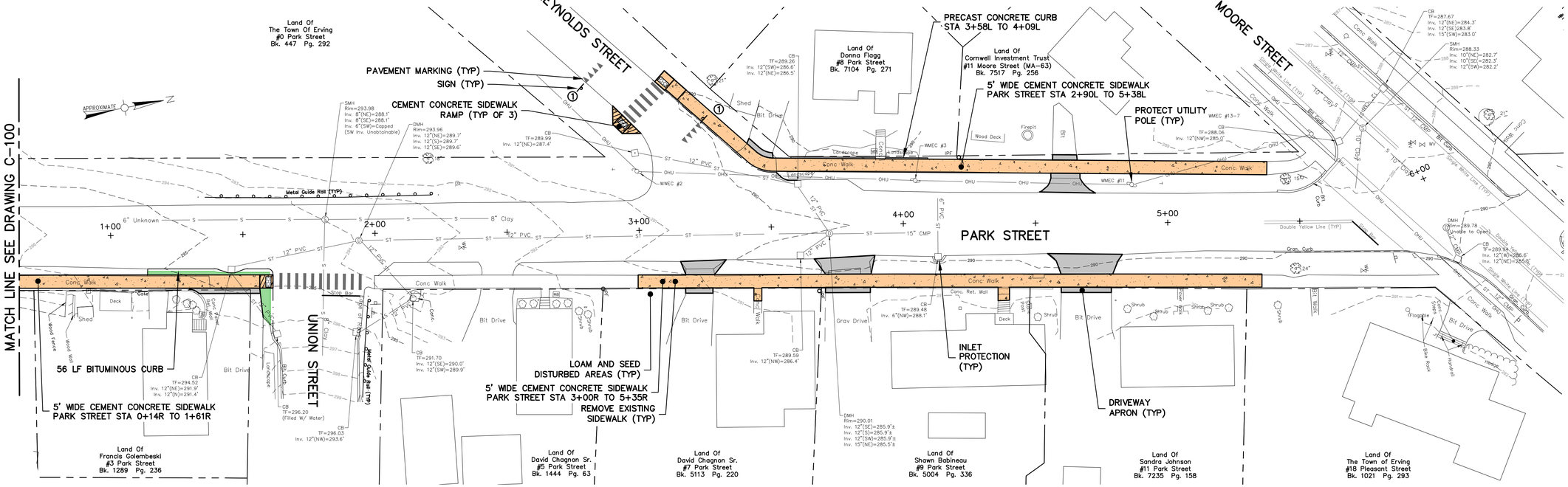

PLAN

SCALE: 1"=20'

0 20' 40' 60'

SIGN LEGEND

#	DESCRIPTION	MUTCD	QTY
1	'YIELD HERE TO PEDS'	R1-5	2

SELECT BOARD MEETING 07-12-21

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MASSACHUSETTS

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Drawn By: WGS

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PARK STREET STA 0+65 TO 5+50

Sheet Number:

C-101

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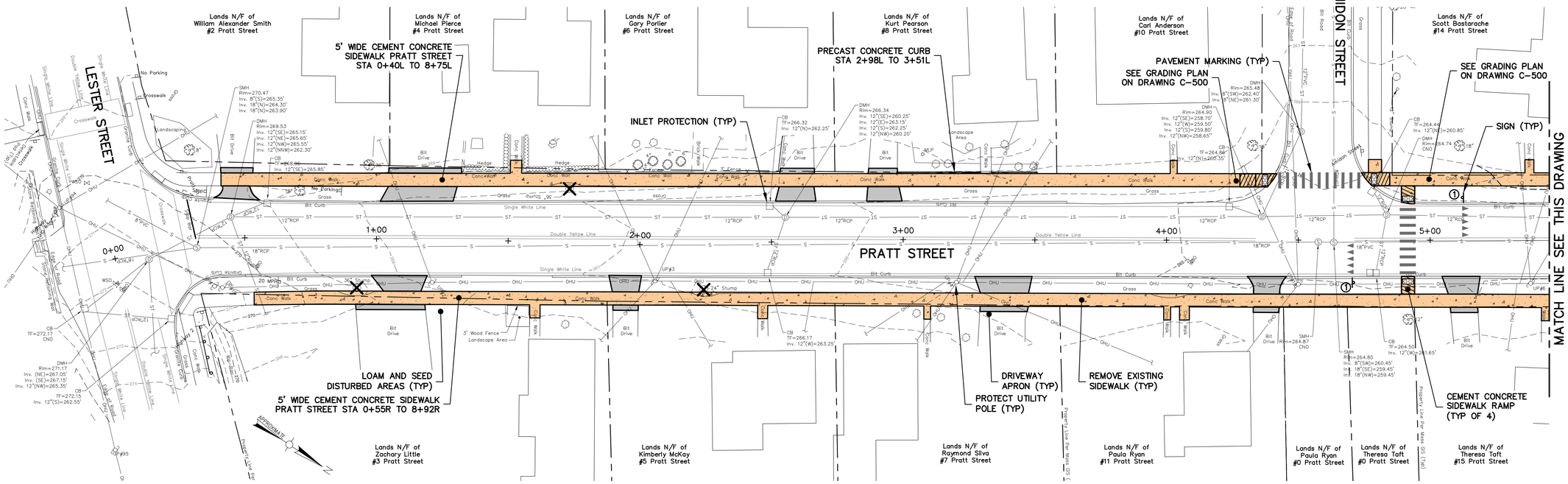

PLAN

SCALE: 1"=20'

0 20' 40' 60'

SIGN LEGEND

#	DESCRIPTION	MUTCD	QTY
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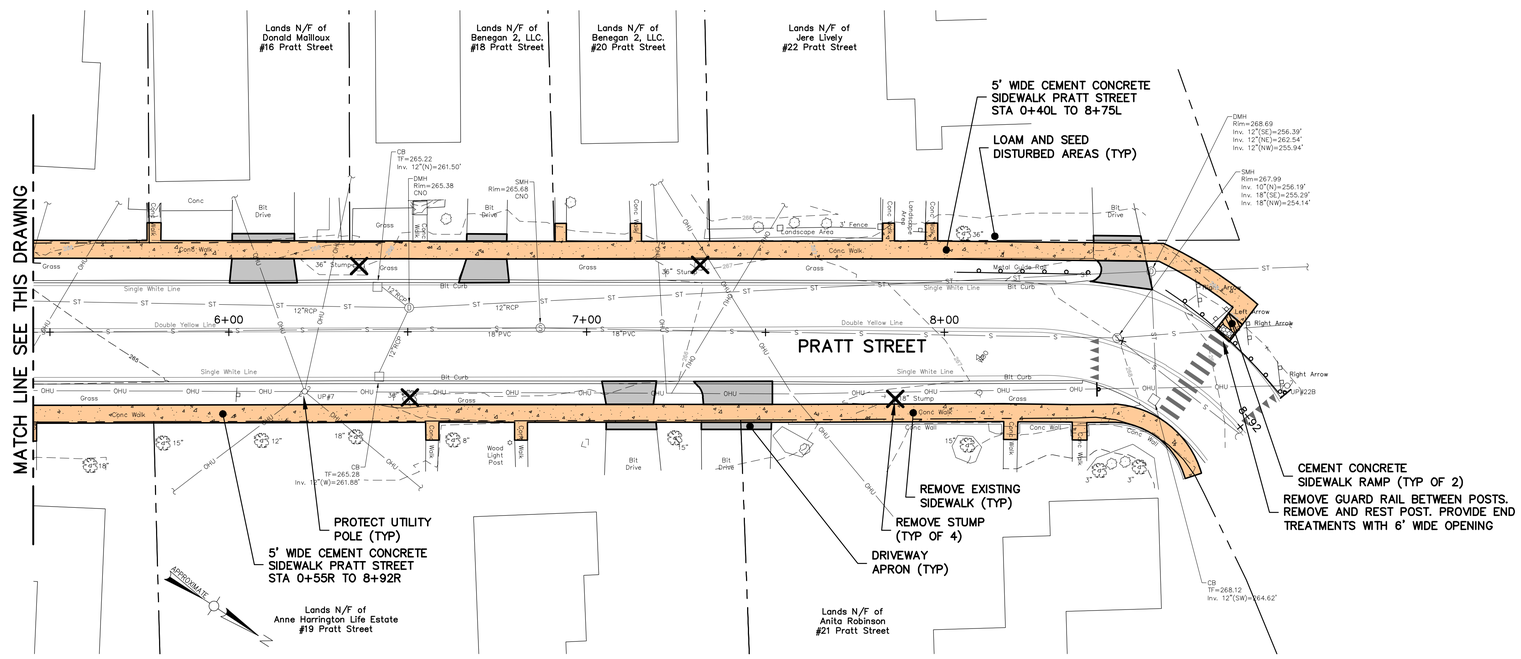

PLAN

SCALE: 1"=20'

0 20' 40' 60'

SELECT BOARD MEETING 07-12-21

Project:

TOWN OF ERVING
MASSACHUSETTS

SELECT BOARD

SIDEWALK IMPROVEMENTS PROJECT

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PRATT STREET STA 0+00 TO 9+00

Sheet Number:

C-102

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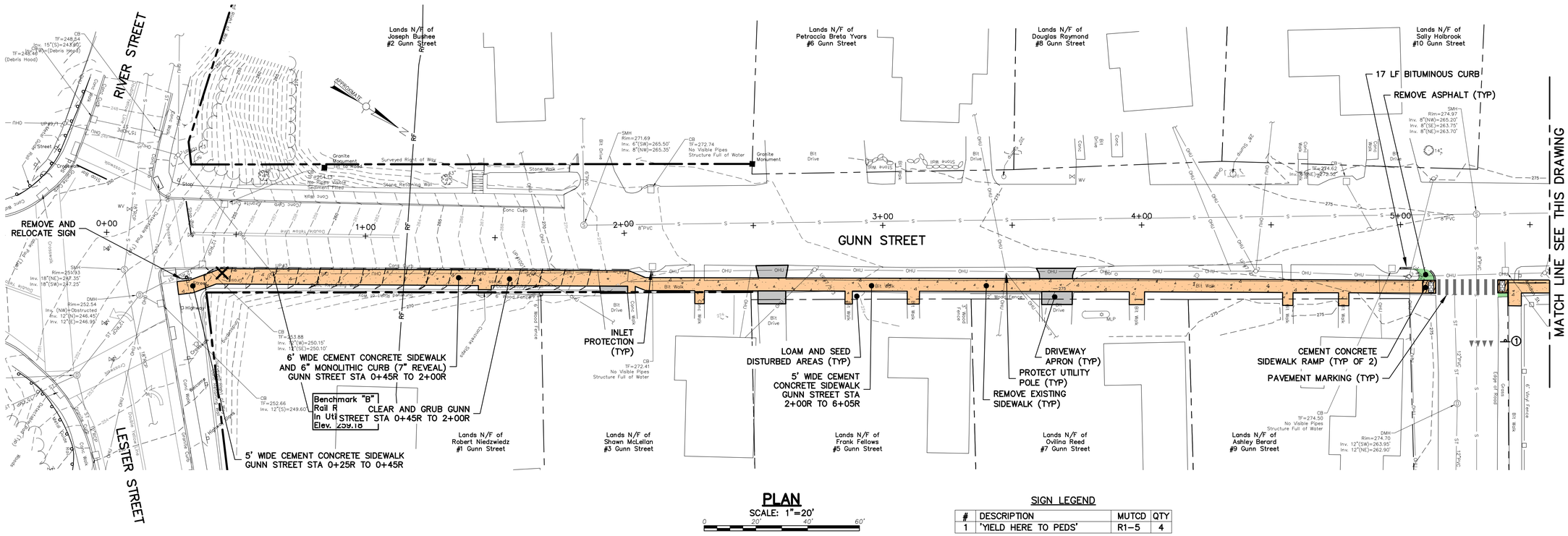

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SCALE: 1"=20'

0 20' 40' 60'

SIGN LEGEND

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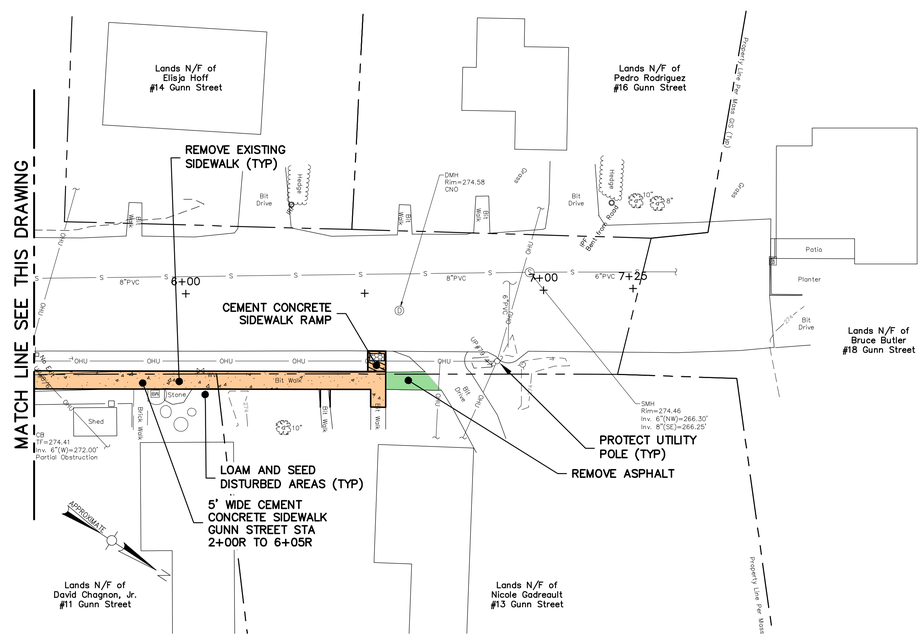

PLAN

SCALE: 1"=20'

0 20' 40' 60'

SELECT BOARD MEETING 07-12-21

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GUNN STREET STA 0+00 TO 7+25

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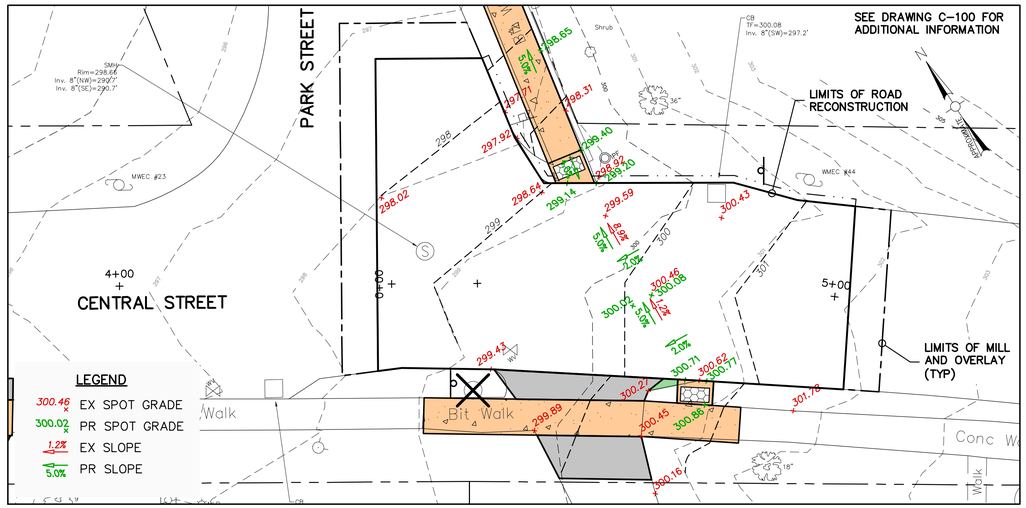
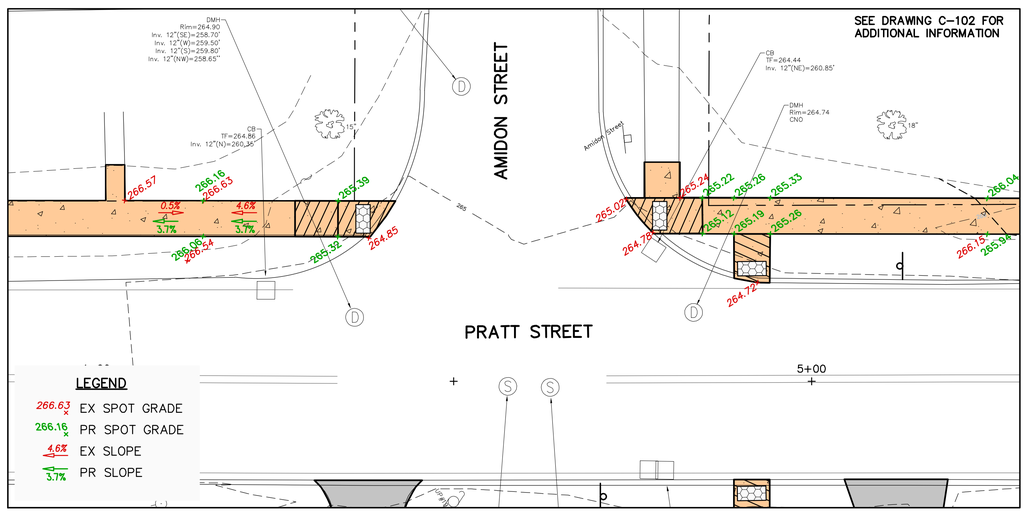


GRADING PLAN AT CENTRAL STREET STA 4+30 TO 5+10

SCALE: 1"=10'

0 10' 20' 30'



GRADING PLAN AT PRATT STREET STA 4+00L TO 5+25L

SCALE: 1"=10'

0 10' 20' 30'

SELECT BOARD MEETING 07-12-21

Project:

TOWN OF ERVING
MASSACHUSETTS

SELECT BOARD

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W&S File No.:	

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GRADING PLANS

Sheet Number:

C-500

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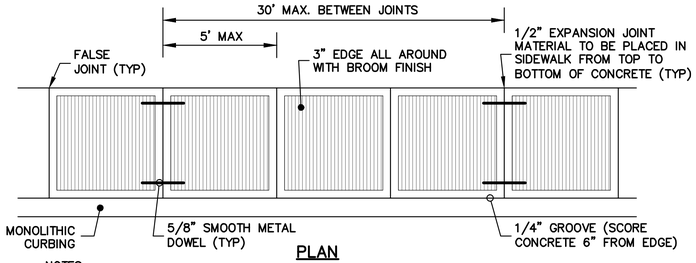
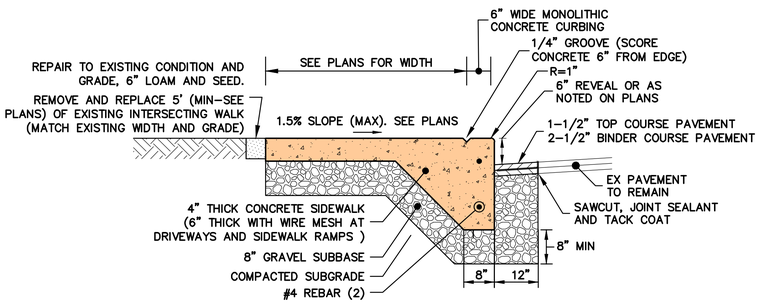


PLAN

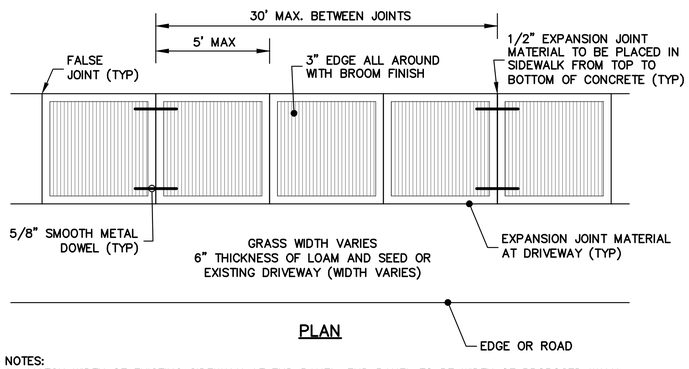
NOTES:
1. MATCH WIDTH OF EXISTING SIDEWALK AT END PANEL. END PANEL TO BE WIDTH OF PROPOSED WALK, TAPERING TO EXISTING WALK AND SHALL HAVE EXPANSION JOINT ON BOTH SIDES.



NOTE:
1. PROVIDE EXPANSION JOINTS 30' O-C (MAX).
2. TOTAL DEPTH OF MONOLITHIC CURB TO BE 20".
3. SAWCUT EXISTING PAVEMENT.

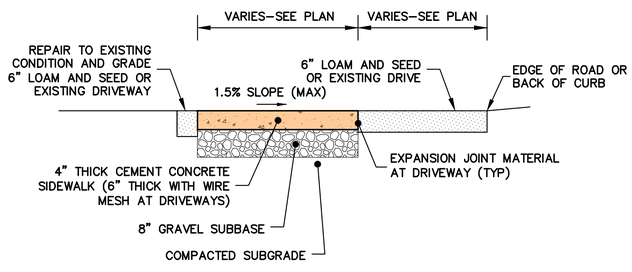
CEMENT CONCRETE SIDEWALK AND MONOLITHIC CURB DETAIL

N.T.S.



PLAN

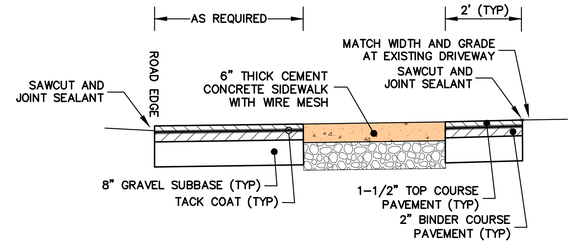
NOTES:
1. MATCH WIDTH OF EXISTING SIDEWALK AT END PANEL. END PANEL TO BE WIDTH OF PROPOSED WALK, TAPERING TO EXISTING WALK AND SHALL HAVE EXPANSION JOINT ON BOTH SIDES.
2. SAWCUT ASPHALT AND PROVIDE EXPANSION JOINT MATERIAL AT BOTH SIDES OF DRIVEWAY CROSSINGS.



SECTION

SIDEWALK AT GRASSED STRIP AND DRIVEWAY CROSSINGS

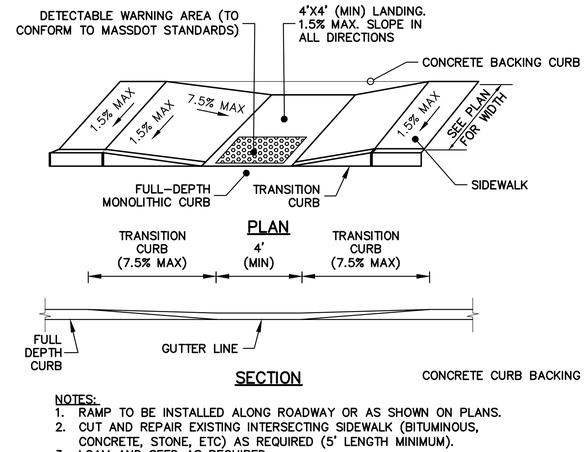
N.T.S.



NOTES:
1. PROVIDE 1" LIP AT ROADWAY EDGE.

DRIVEWAY APRON DETAIL

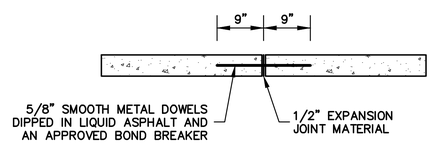
N.T.S.



NOTES:
1. RAMP TO BE INSTALLED ALONG ROADWAY OR AS SHOWN ON PLANS.
2. CUT AND REPAIR EXISTING INTERSECTING SIDEWALK (BITUMINOUS, CONCRETE, STONE, ETC) AS REQUIRED (5' LENGTH MINIMUM).
3. LOAM AND SEED AS REQUIRED

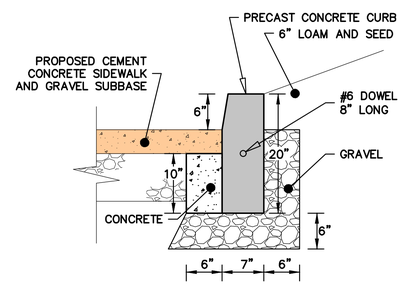
CEMENT CONCRETE MID-BLOCK CURB RAMP

N.T.S.



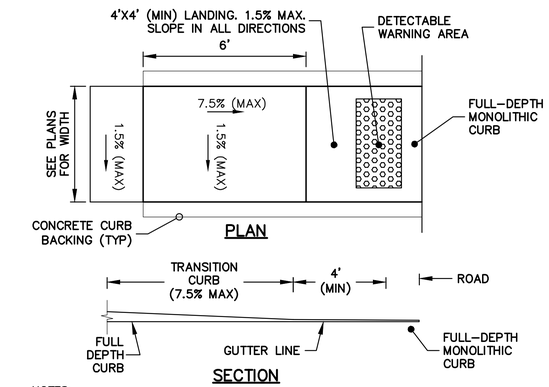
EXPANSION JOINT DETAIL

N.T.S.



PRECAST CONCRETE CURB DETAIL

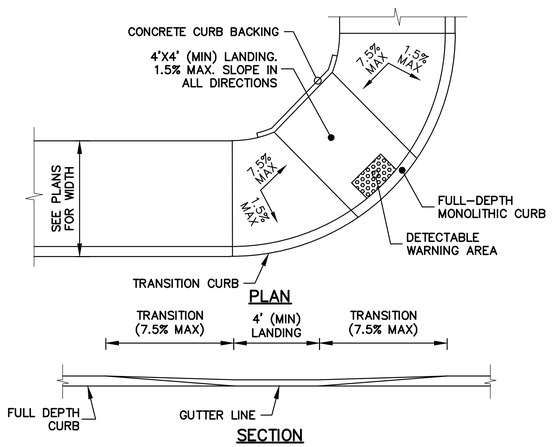
N.T.S.



NOTES:
1. PROVIDE FULL DEPTH MONOLITHIC CURB REINFORCED WITH (2) #4 REBAR WHERE RAMP IS ADJACENT TO THE ROADWAY

CEMENT CONCRETE TERMINAL CURB RAMP

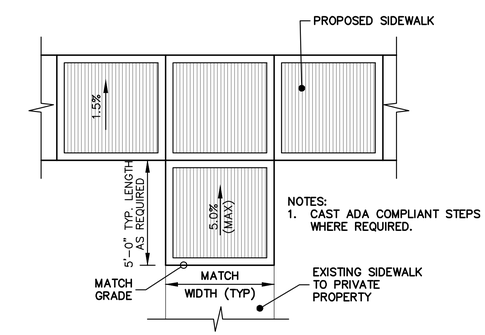
N.T.S.



NOTES:
1. PROVIDE FULL DEPTH MONOLITHIC CURB REINFORCED WITH (2) #4 REBAR WHERE RAMP IS ADJACENT TO THE ROADWAY

CEMENT CONCRETE DIAGONAL CURB RAMP

N.T.S.



NOTES:
1. CAST ADA COMPLIANT STEPS WHERE REQUIRED.

CONCRETE SIDEWALK AT PRIVATE PROPERTY SIDEWALK DETAIL

N.T.S.

SELECT BOARD MEETING 07-12-21

Project:
TOWN OF ERVING
MASSACHUSETTS
SELECT BOARD
SIDEWALK IMPROVEMENTS PROJECT
CENTRAL STREET, GUNN STREET, PARK STREET AND PRATT STREET

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Consultants:

Revisions:

No.	Date	Description

Seal:

COA:

Issued For:

Scale:	NO SCALE
Date:	
Drawn By:	WGS
Reviewed By:	WGS
Approved By:	CBW
W&S Project No.:	ENG21-0363
W&S File No.:	

Drawing Title: DETAILS

Sheet Number: C-501

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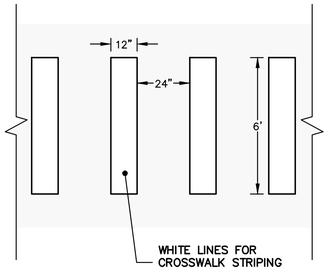
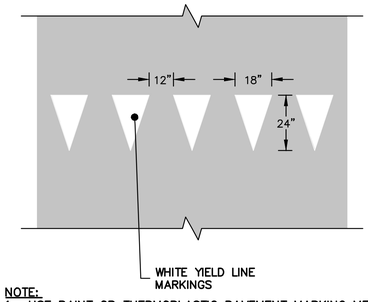


NOTE:
1. USE PAINT OR THERMOPLASTIC PAVEMENT MARKING MEETING MASSDOT STANDARD AND THE REQUIREMENTS OF THE TOWN.
2. STRIPING ALIGNMENT MAY BE ALTERED (I.E. DIAGONAL) AS REQUIRED TO MINIMIZE WEAR ON PAINT WITH APPROVAL FROM THE ENGINEER.

PAVEMENT MARKINGS – CROSSWALK

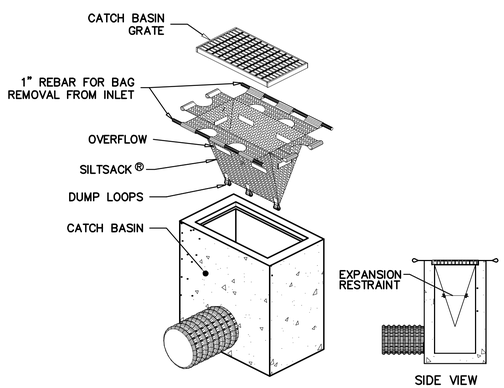
N.T.S.



NOTE:
1. USE PAINT OR THERMOPLASTIC PAVEMENT MARKING MEETING MASSDOT STANDARD AND THE REQUIREMENTS OF THE TOWN.
2. YIELD LINE AND SIGNAGE TO BE PLACED 20' TO 50' FROM CROSSWALK AT CROSSING.

PAVEMENT MARKINGS – YIELD LINE

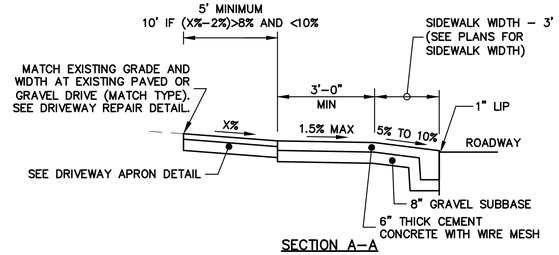
N.T.S.



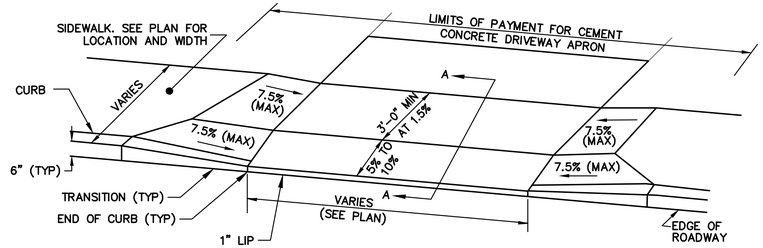
NOTES:
1. PROVIDE HI-FLOW SILT SACK TYPE A FOR TYPE "C-L" CATCH BASIN TOPS AND TYPE B WITH CURB DEFLECTOR FOR TYPE "C" CATCH BASIN TOPS OR OTHER STRUCTURES WITH CURB INLET.

CATCH BASIN INLET PROTECTION

N.T.S.



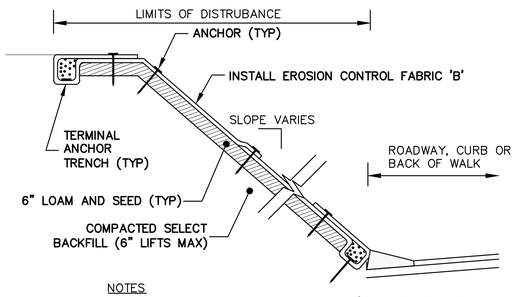
SECTION A–A



NOTES:
1. CONTRACTOR TO CONFIRM EXISTING GRADES AND NOTIFY ENGINEER IF ANY SLOPES EXCEED THOSE SHOWN PRIOR TO CONSTRUCTION.
2. IF X%–2% IS GREATER THAN 10% THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION.
3. PROVIDE FULL DEPTH MONOLITHIC CURB AT DRIVEWAY.

CEMENT CONCRETE DRIVEWAY APRON DETAIL AT SIDEWALK

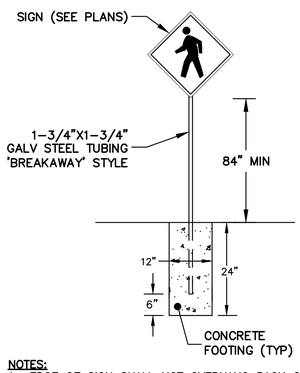
N.T.S.



NOTES
1. INSTALL FABRIC PER MANUFACTURER'S SPECIFICATIONS.
2. REMOVE ALL TOPSOIL, VEGETATION AND OTHER LOOSE MATERIAL PRIOR TO PLACEMENT.

LOAM AND SEED DETAIL

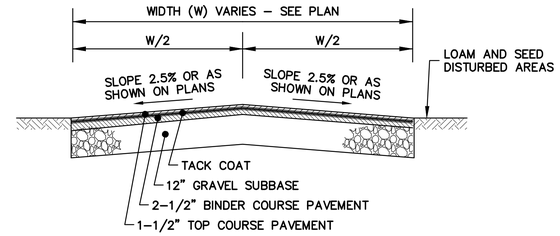
N.T.S



NOTES:
1. EDGE OF SIGN SHALL NOT OVERHANG BACK OF CURB OR SIDEWALK.
2. SIGNS FOR STREET NAMES SHALL MATCH TOWN STANDARD.

SIGN AND POST DETAIL

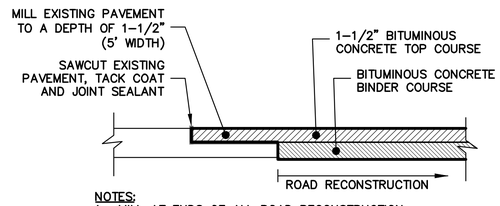
N.T.S.



NOTES:
1. REMOVE ASPHALT AND LOAM AND SEED EXISTING PAVED ROADWAY IN AREAS OUTSIDE OF PROPOSED PAVEMENT

ROAD RECONSTRUCTION DETAIL

N.T.S.



NOTES:
1. MILL AT ENDS OF ALL ROAD RECONSTRUCTION.
2. TACK COAT AND JOINT SEALANT BETWEEN EXISTING AND PROPOSED PAVEMENT.

MILLING AND OVERLAY DETAIL

N.T.S.

SELECT BOARD MEETING 07-12-21

Project:
TOWN OF ERVING
MASSACHUSETTS
SELECT BOARD
SIDEWALK IMPROVEMENTS PROJECT
CENTRAL STREET, GUNN STREET, PARK STREET AND PRATT STREET

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Consultants:

Revisions:

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Approved By:	CBW
W&S Project No.:	ENG21-0363
W&S File No.:	

Drawing Title:
DETAILS

Sheet Number:
C-502

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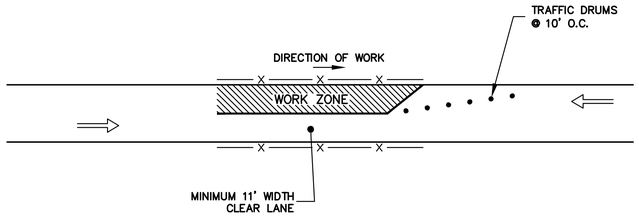
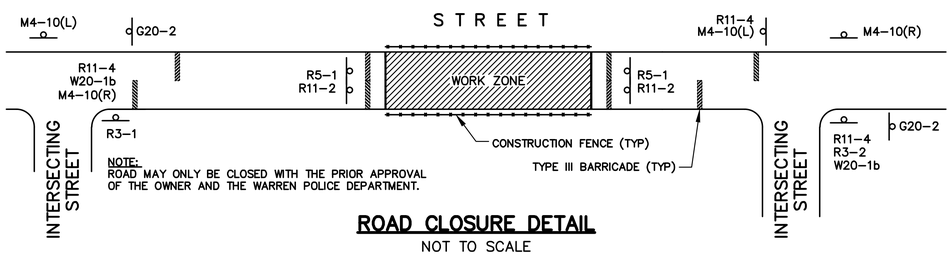


LEGEND:

- TEMPORARY BARRIER
- CONSTRUCTION FENCE
- DRUMS

TYPICAL WORK ZONE – ONE LANE CLOSURE

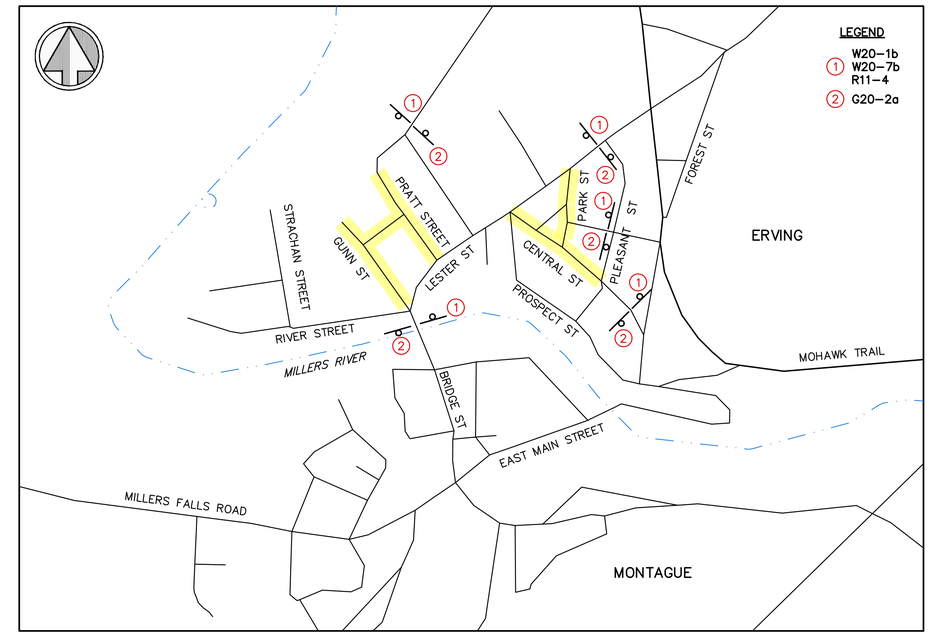
NOT TO SCALE



NOTE:
ROAD MAY ONLY BE CLOSED WITH THE PRIOR APPROVAL OF THE OWNER AND THE WARREN POLICE DEPARTMENT.

ROAD CLOSURE DETAIL

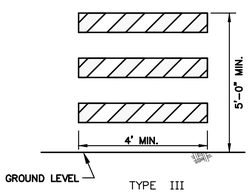
NOT TO SCALE



TRAFFIC CONTROL SIGNAGE PLAN

SCALE: 1"=1,000'

0 500' 1000' 1500'

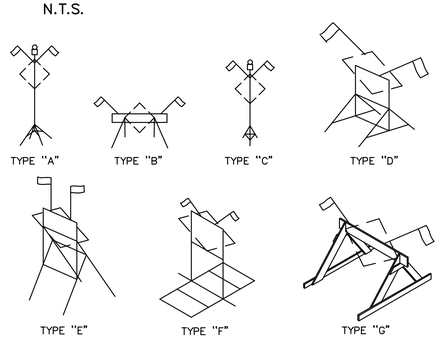


TYPE III

1. ALUMINUM BARRICADE FACE PANELS SHALL BE MOUNTED ON 3" OR 4" P.V.C. BARRICADE SUPPORT.
2. MARKINGS FOR BARRICADE FACE PANELS SHALL BE 8" TO 12" IN HEIGHT AND ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES AT A 45° ANGLE SHALL BE USED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE REFLECTIVE SHEETING – ENCAPSULATED LENS. BARRICADE FACE PANELS AS NOTED SHALL BE REFLECTORIZED ON BOTH SIDES. WHERE TRAFFIC PASSES ONLY IN ONE DIRECTION OF TRAVEL, ONLY THE SIDE FACING TRAFFIC SHALL BE REFLECTORIZED.
4. ALUMINUM BARRICADE FACE PANELS SHALL HAVE ROUNDED CORNERS.
5. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE FACE PANEL WHICH THE ENGINEER DEEMS HAZARDOUS, AND NOT IN THE BEST INTEREST OF THE MOTORING PUBLIC, OR NOT SUITABLE FOR PURPOSE INTENDED.

ALUMINUM BARRICADE FACE PANELS

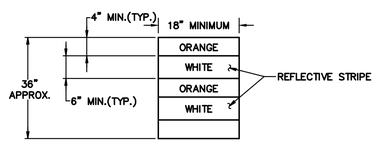
N.T.S.



1. SIGN SUPPORTS SHALL BE CONSTRUCTED OF A SUITABLE MATERIAL. BREAKAWAY AND/OR COLLAPSIBLE FEATURES SHALL BE INCORPORATED IN THE SIGN SO THAT THE SUPPORT WILL NOT CONSTITUTE A HAZARD TO THE MOTORIST AND/OR WORKERS IN THE WORK AREA. SIGNS MUST MEET NCHRP 350 STANDARDS AND THE MUTCD.
2. MOUNTING HEIGHT OF SIGN UTILIZING STRUCTURES DEPICTED ABOVE SHALL BE A MINIMUM OF 12", WITH A RECOMMENDED HEIGHT OF 18" ABOVE PAVEMENT.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT WHICH THE ENGINEER DEEMS A HAZARD, OR NOT IN THE BEST INTEREST OF THE MOTORING PUBLIC.
4. FLAGS AND/OR BARRICADE WARNING LIGHTS SHALL BE USED AS SHOWN ON THE TRAFFIC CONTROL PLANS AND AS REQUIRED BY THE ENGINEER.

PORTABLE SIGN SUPPORTS

N.T.S.



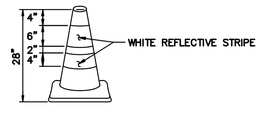
FRONT VIEW

NOTES:

1. TRAFFIC DRUM SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION M.U.T.C.D.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED NOT SUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE FLEXIBLE ENCAPSULATED LENS REFLECTIVE SHEETING.
4. REFLECTORIZED STRIPES SHOULD NOT BE PLACED OVER THE PROTRUDING CIRCUMFERENTIAL RIBS OF THE DRUM.
5. THE SECTIONS OF DRUMS NOT COVERED WITH REFLECTORIZED STRIPES SHALL BE ORANGE.
6. THE DESIGN OF THE DRUM WILL ALLOW FOR THE ATTACHMENT OF A BARRICADE WARNING LIGHT.

TRAFFIC DRUM

N.T.S.

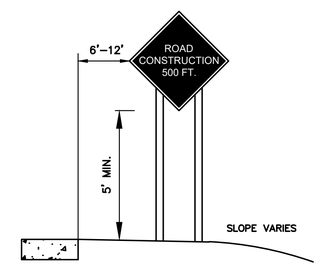


NOTES:

1. TRAFFIC CONES SHALL BE DESIGNED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CHAPTER VI, SECTION 6C–3, CONE DESIGN.
2. HEIGHT OF CONES SHALL BE 28"
3. CONES SHALL BE PREDOMINATELY FEDERAL ORANGE IN COLOR AND WITH RETRORFLECTIVE STRIPS.
4. RUBBER CONES SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
5. PLASTIC CONES SHALL BE COLOR IMPREGNATED.
6. CONES SHALL BE OF A THICKNESS NECESSARY TO WITHSTAND IMPACT WITHOUT DAMAGE TO EITHER CONE OR IMPACTING VEHICLE.
7. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE THE ENGINEER DEEMS NOT SUITABLE FOR PURPOSE INTENDED.

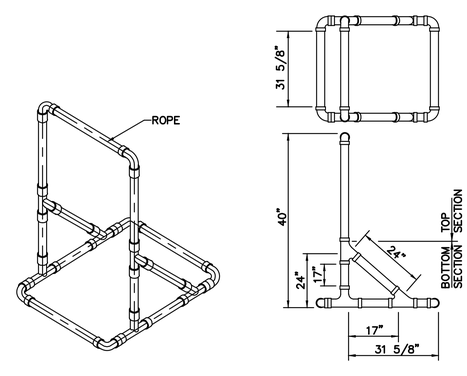
TRAFFIC CONES

N.T.S.



HEIGHT AND LATERAL LOCATIONS OF SIGNS

N.T.S.



NOTES:

1. DIMENSIONS ARE APPROXIMATE.
2. BOTTOM SECTION MAY BE FILLED WITH SAND FOR BALLAST.
3. SUPPORT SHALL BE LOOSELY THREADED WITH ROPE, KNOTTED AS REQUIRED.

TYPICAL 3" OR 4" PLASTIC SIGN/BARRICADE SUPPORT

N.T.S.

TEMPORARY SIGNS

SIGN		WIDTH	HEIGHT
ROAD CONSTRUCTION 1000 FT.	W20–1a	48"	48"
ROAD CONSTRUCTION 500 FT.	W20–1b	48"	48"
ONE LANE ROAD 500 FT.	W20–4	48"	48"
END ROAD WORK	G20–2a	36"	18"
FLAGGER AHEAD	W20–7a	36"	36"
BE PREPARED TO STOP	W20–7b	36"	36"
ROAD CLOSED LOCAL TRAFFIC ONLY	R11–4	60"	30"
DETOUR	M4–10	48"	18"

(REFER TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION)

TRAFFIC CONTROL – GENERAL NOTES:

1. DURING NON–WORKING HOURS, ALL TRENCHES ARE TO BE RESTORED AS SPECIFIED OR REQUIRED, ALL SIGNAGE SHALL BE REMOVED AND ALL ROADS OPENED TO NORMAL TRAFFIC FLOW.
2. ALL TRAFFIC CONTROL TO MEET THE MUTCD (LATEST EDITION).
3. CHANNELIZE TRAFFIC AS REQUIRED USING REFLECTORIZED DRUMS AND STEADY–BURN LIGHTS. RELOCATE DRUMS AS REQUIRED DURING CONSTRUCTION.
4. PROVIDE POLICE PROTECTION OR MASSDOT CERTIFIED FLAGGERS TO DIRECT TRAFFIC AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS AT ALL TIMES.

SELECT BOARD MEETING 07-12-21

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