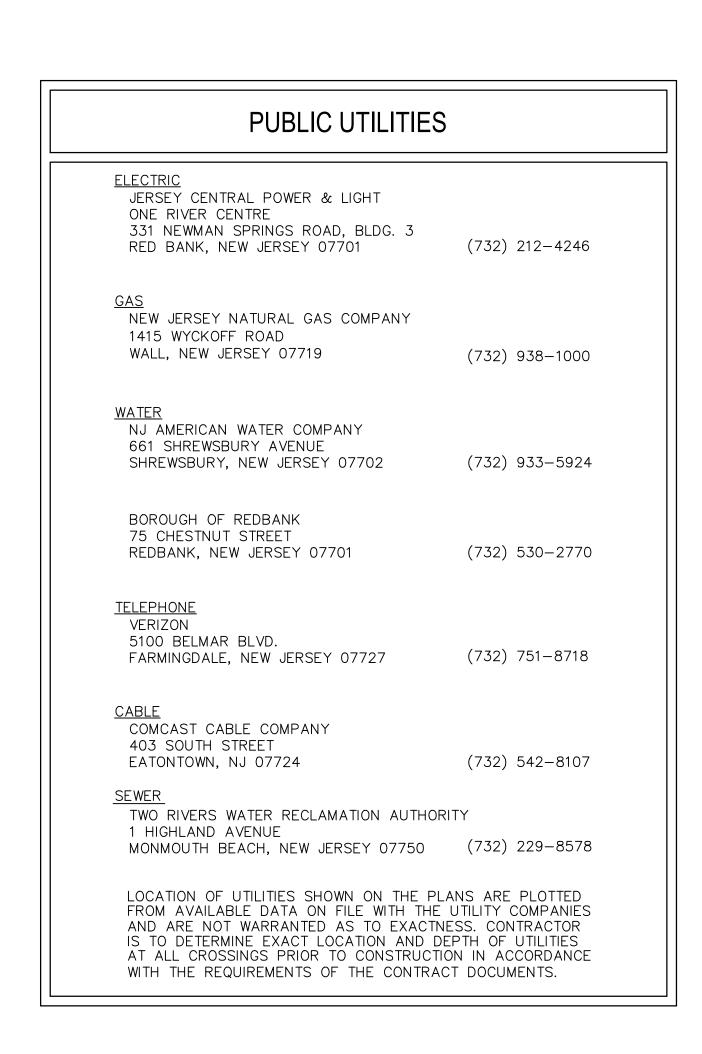
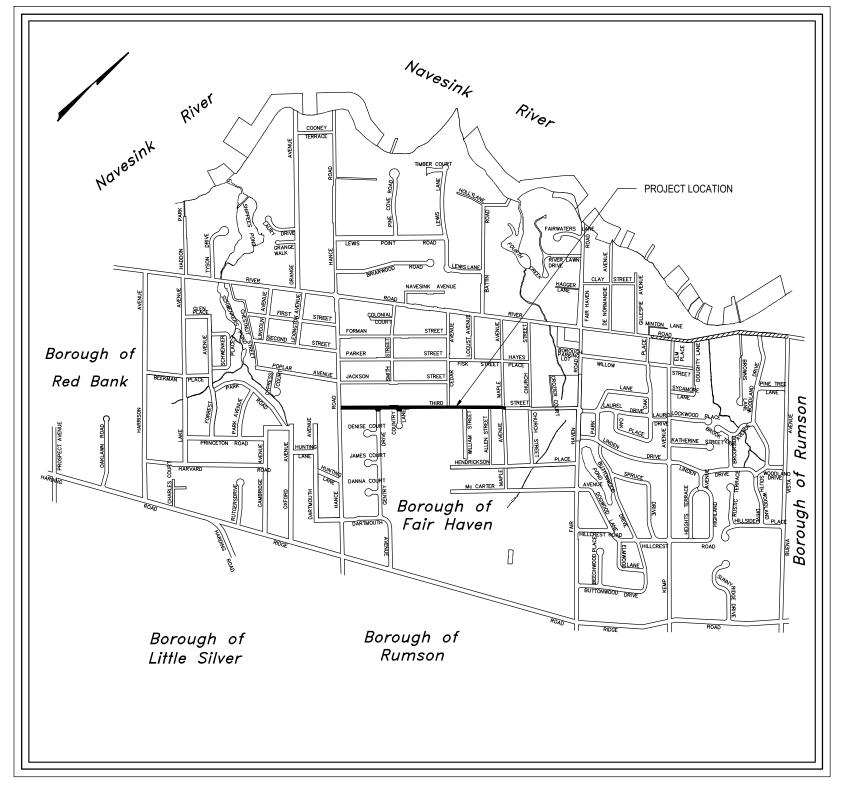
# IMPROVEMENTS TO THIRD STREET - PHASE 2 NEW JERSEY DEPARTMENT OF TRANSPORTATION TRUST FUND

BOROUGH OF FAIR HAVEN
MONMOUTH COUNTY, NEW JERSEY
OCTOBER 2022





KEY MAP

SCALE: 1"=2000'

# SHEET INDEX

- TITLE SHEET AND LOCATION PLAN
- LEGEND, NOTES, AND CONTRACT QUANTITIES
- 3 4 CONSTRUCTION PLANS
- 5 6 CONSTRUCTION DETAILS
- 7 TRAFFIC CONTROL PLAN AND NOTES

NJDOT STANDARD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2019) AND NJDOT STANDARD CONSTRUCTION DETAILS: ROADWAY - TRAFFIC CONTROL - BRIDGE (2016) SHALL GOVERN FOR THIS PROJECT.

# TITLE SHEET AND LOCATION PLAN

# IMPROVEMENTS TO THIRD STREET - PHASE 2



BOROUGH OF FAIR HAVEN
748 River Road, Fair Haven, NJ 07704
phone: 732.747.0241 fax: 732.747.6962
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Sheet Number: 1

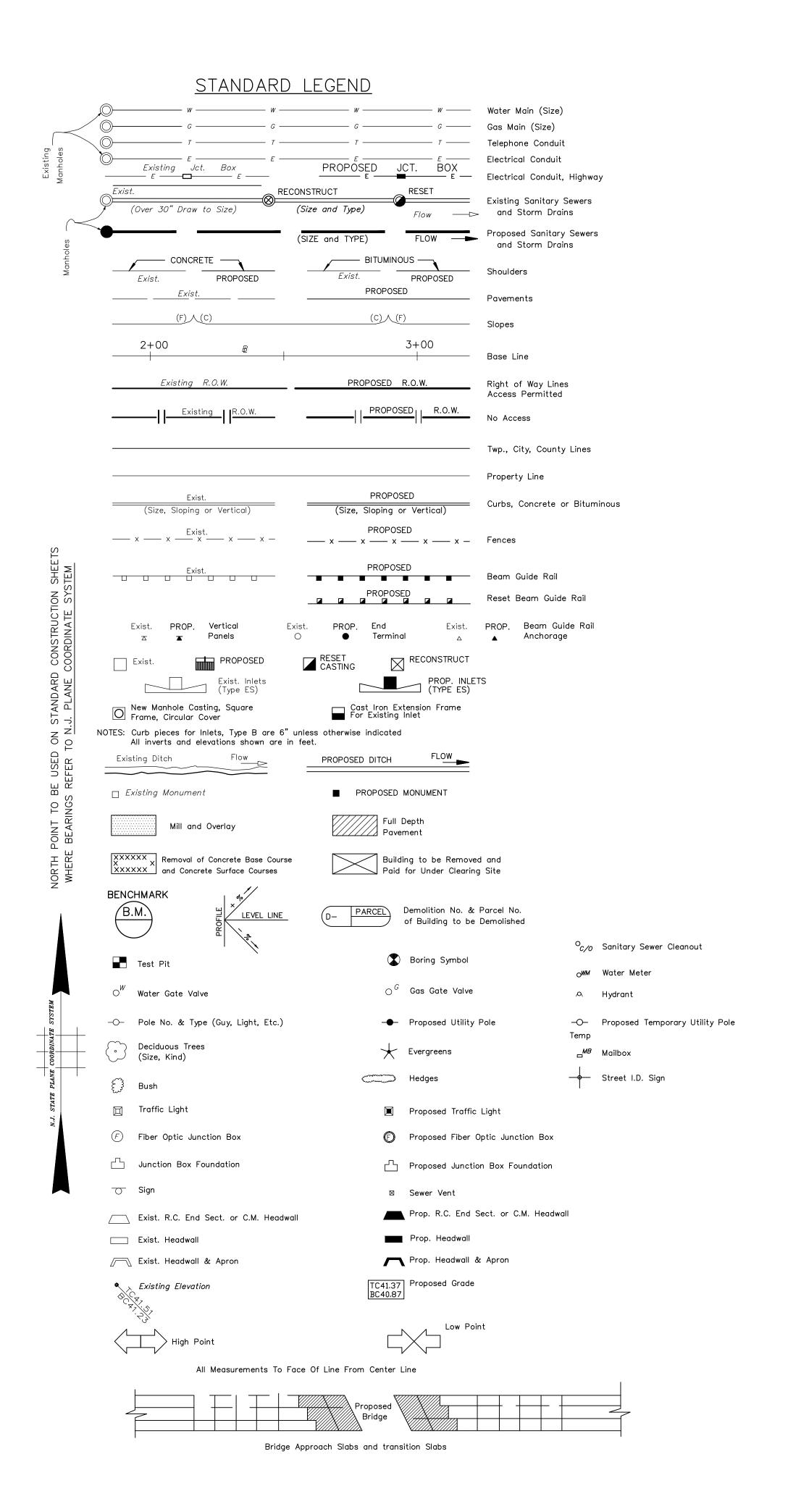
Project No.

Designed by

Scale:

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AS NOTED



BID ITEMS AND QUANTITIES

Item No.	Description	Unit	Quantity
1	CLEARING SITE	LS	1
2	PRE-CONSTRUCTION VIDEO	LS	1
3	INLET FILTER, TYPE 2	SF	20
4	BREAKAWAY BARRICADE WITH SIGN	UN	12
5	CONSTRUCTION SIGNS	SF	100
6	DRUM	UN	20
7	TRAFFIC CONE	UN	60
8	TRAFFIC DIRECTOR, FLAGGER	HR	400
9	REMOVE AND RESET BRICK PAVER WALKWAY	SY	25
10	BRICK PAVER WALKWAY	SY	20
11	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	25
12	REMOVE AND RESET BRICK PAVER DRIVEWAY	SY	75
13	BRICK PAVER DRIVEWAY	SY	20
14	GRAVEL DRIVEWAY	SY	75
15	8"X18" CONCRETE VERTICAL CURB	LF	250
16	GRANITE CURB	LF	10
17	HOT MIX ASPHALT DRIVEWAY, 2" THICK	SY	300
18	MILLING, 0"-3" DEPTH	SY	7,950
19	MILLING, VARIABLE DEPTH	SY	300
20	HMA 9.5M64 SURFACE COURSE (2")	TON	1,075
21	HMA 19M64 BASE COURSE (4")	TON	100
22	DENSE GRADED AGREGATE COURSE (6")	TON	125
23	TACK COAT	GAL	400
24	BICYCLE SAFE GRATE	UN	6
25	CURB PIECE	UN	6
26	RESET EXISTING CASTING	UN	6
27	RESET WATER VALVE BOX	UN	12
28	RESET GAS VALVE BOX	UN	12
29	HYDRO-JETTING STORM DRAIN PIPE, 18" DIAMETER	LF	500
30	HYDRO-JETTING STORM DRAIN PIPE, 24" DIAMETER	LF	500
31	REGULATORY AND WARNING SIGN	SF	150
32	TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, 4"	LF	4,000
33	TOPSOILING (4" THICK)	SY	350
34	SODDING	SY	350

## GENERAL NOTES:

1. LIMIT OF PAVING, THE CONTRACTOR SHALL SAWCUT OR MILL STRAIGHT LINE AS DIRECTED BY THE ENGINEER TO MEET EXISTING.

2. INSTALLATION OF SURFACE COURSE SHALL NOT BE ALLOWED UNTIL THE BASE COURSE IS APPROVED BY THE ENGINEER. THE ENGINEER WILL DIRECT THE CONTRACTOR TO MAKE CORRECTIVE MEASURES TO THE BASE COURSE PRIOR TO INSTALLING THE SURFACE COURSE. ALL COSTS FOR CORRECTIVE

WORK, IF ANY, SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.

3. NO SEPARATE PAYMENT SHALL BE MADE TO SAWCUT EXISTING PAVEMENT, DRIVEWAYS, OR SIDEWALKS, INCLUDE ALL COSTS IN THE VARIOUS ITEMS IN THE PROPOSAL.

4. HOT MIX ASPHALT BASE COURSE AREAS SHALL BE PARALLEL TO THE ROADWAY CENTERLINE AND RECTANGULAR IN SHAPE AND EDGES SHALL BE SQUARE.

KIND, INCLUDE ALL COST IN THE VARIOUS ITEMS.

6. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL PROPERTY CORNERS, DURING CONSTRUCTION. ANY PROPERTY CORNERS DISTURBED SHALL

5. NO SEPARATE PAYMENT WILL BE MADE FOR ROADWAY EXCAVATION OF ANY

BE RESET AT THE EXPENSE OF THE CONTRACTOR.

7. THE CONTRACTOR SHALL PROVIDE SLEEVES IN CURB FACE FOR ROOF DRAINS AND SUMP PUMP PIPES WHERE REQUIRED.

8. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES TO COORDINATE ANY WORK THAT MAY NEED TO BE CONDUCTED WITHIN THE LIMITS OF WORK.

9. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS IN YARDS AND PRIVATE PROPERTIES ALONG PROPOSED SIDEWALK AND DRIVEWAY INSTALLATIONS.

LANDSCAPE MATERIAL, MAILBOXES, FENCES, AND EDGING MATERIAL FOR DRIVEWAYS AND SIDEWALKS SHALL BE RESET OR REPLACED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE, INCLUDE ALL COSTS IN THE VARIOUS ITEMS IN THE PROPOSAL. TREE CLEARING AND TRIMMING SHALL BE INCLUDED IN THE COST OF CLEARING SITE.

10. HEDGES, BUSHES, LANDSCAPE TIES, STONE EDGING, STONE WALLS, SIGNS,

11. THE CONTRACTOR SHALL INSTALL TRAFFIC STRIPES (CROSSWALKS, STOP BARS, AND DOUBLE—YELLOW) AS DIRECTED BY ENGINEER.

12. ALL TRAFFIC CONTROL SIGNS AND STRIPING SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. HANDBOOK, CURRENT ADDITION. EXACT LOCATION AND TYPE OF STREET SIGNS SHALL BE DETERMINED BY ENGINEER.

1. LIMIT OF PAVING, THE CONTRACTOR SHALL SAWCUT OR MILL STRAIGHT LINE
AS DIRECTED BY THE ENGINEER TO MEET EXISTING.

13. ALL TREES ADJACENT TO OR WITHIN THE LIMITS OF WORK ARE NOT TO BE
DISTURBED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR
SHALL PROTECT TREES DURING ALL CONSTRUCTION RELATED ACTIVITIES.

14. THE TOPSOIL USED FOR THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS. ANY TOPSOIL NOT MEETING WITH THE ENGINEER'S APPROVAL SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS/HER OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

16. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS.

17. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON.

18. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH: N.J. DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS CURRENTLY AMENDED.

19. THE BASE MAP INDICATING EXISTING CONDITIONS WAS PREPARED BY VALLEE SURVEY.

20. CENTERLINE GRADES SHALL MATCH TOP OF CURB ELEVATIONS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

21. CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT FOR THE ROADWAY AND AREA OF WORK. INCLUDE ALL COSTS IN OTHER ITEMS BID IN THE SCEDULE OF PRICES. DISCREPENCIES WITH PROPOSED GRADING SHALL BE REVIEWED WITH ENGINEER.

22. CONTRACTOR SHALL PROVIDE A PRE—CONSTRUCTION VIDEO PERFORMED BY A PROFESSIONAL VIDEOGRAPHER. INCLUDE ALL COSTS IN THE 'CLEARING SITE' PAY ITEM IN THE SCHEDULE OF PRICES.

23. IN THE EVENT OF WORK BEING SUSPENDED BY UNSUITABLE WEATHER CONDITIONS, THE CONTRACTOR, AT THEIR EXPENSE, SHALL DO ALL THE WORK NECESSARY TO PROVIDE A SAFE, SMOOTH, WELL DRAINED AND UNOBSTRCTED PASSAGEWAY THROUGH AND ADJACENT TO THE CONSTRUCTION AREA FOR USE BY THE PUBLIC AND EMERGENCY AND MAINTENANCE VEHICLES DURING THE PERIOD OF SHUT-DOWN.

24. CONTRACTOR SHALL MEASURE EXISTING INLET CASTING AND SUBMIT SHOP DRAWINGS FOR ENGINEER'S APPROVAL FOR ECO-GRATES AND CURB PIECES AND SUPPLY AND INSTALL SAME.

25. CURB RAMPS SHALL BE INSTALLED AT LOCATIONS DIRECTED BY ENGINEER. DETECTABLE WARNING PUBLIC SIDEWALK CURB RAMP DELINEATION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 607 OF THE SPECIFICATIONS AND THE SPECIAL PROVISIONS WHICH INCLUDE A LIST OF ACCEPTABLE SYSTEMS. UNLESS A SPECIFIC DELINEATION SYSTEM IS REQUIRED BY THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF VARIOUS SYSTEMS AND COLORS TO THE OWNER FOR APPROVAL. ONLY ONE SYSTEM MAY BE USED ON ANY PROJECT.

26. CURB RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS. TYPE OF CURB RAMP SHALL BE DETERMINED BY THE ENGINEER PRIOR TO INSTALLATION.

27. REGULATORY AND WARNING SIGNS SHALL BE IF AND WHERE DIRECTED BY THE ENGINEER.

- 28. GRANITE CURB SHALL BE IF AND WHERE DIRECTED BY THE ENGINEER.
- 29. THESE GENERAL NOTES APPLY TO ALL SHEETS IN THIS SET OF PLANS.

LEGEND, NOTES, AND CONTRACT QUANTITIES

IMPROVEMENTS TO THIRD STREET - PHASE 2



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NONE 22-01

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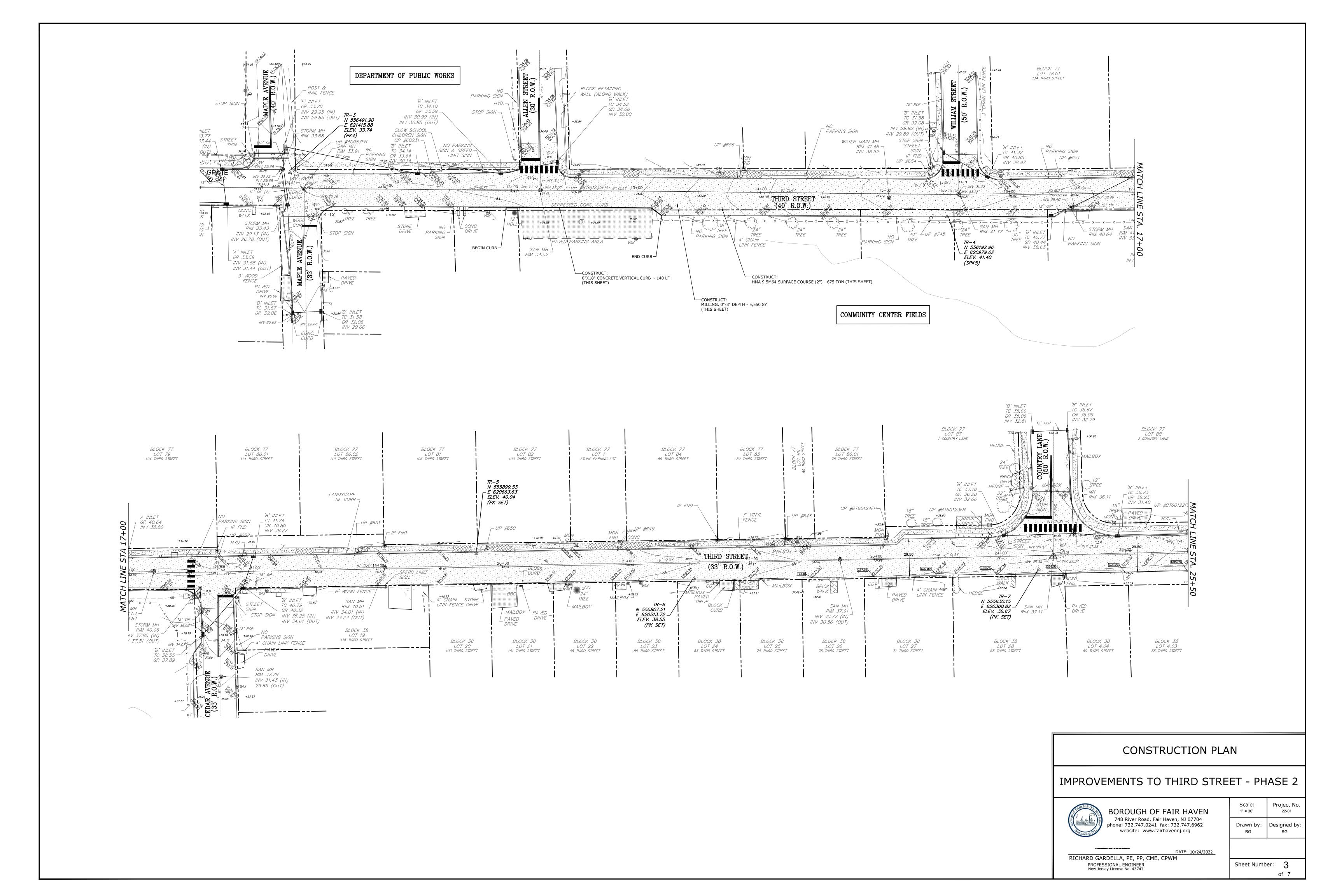
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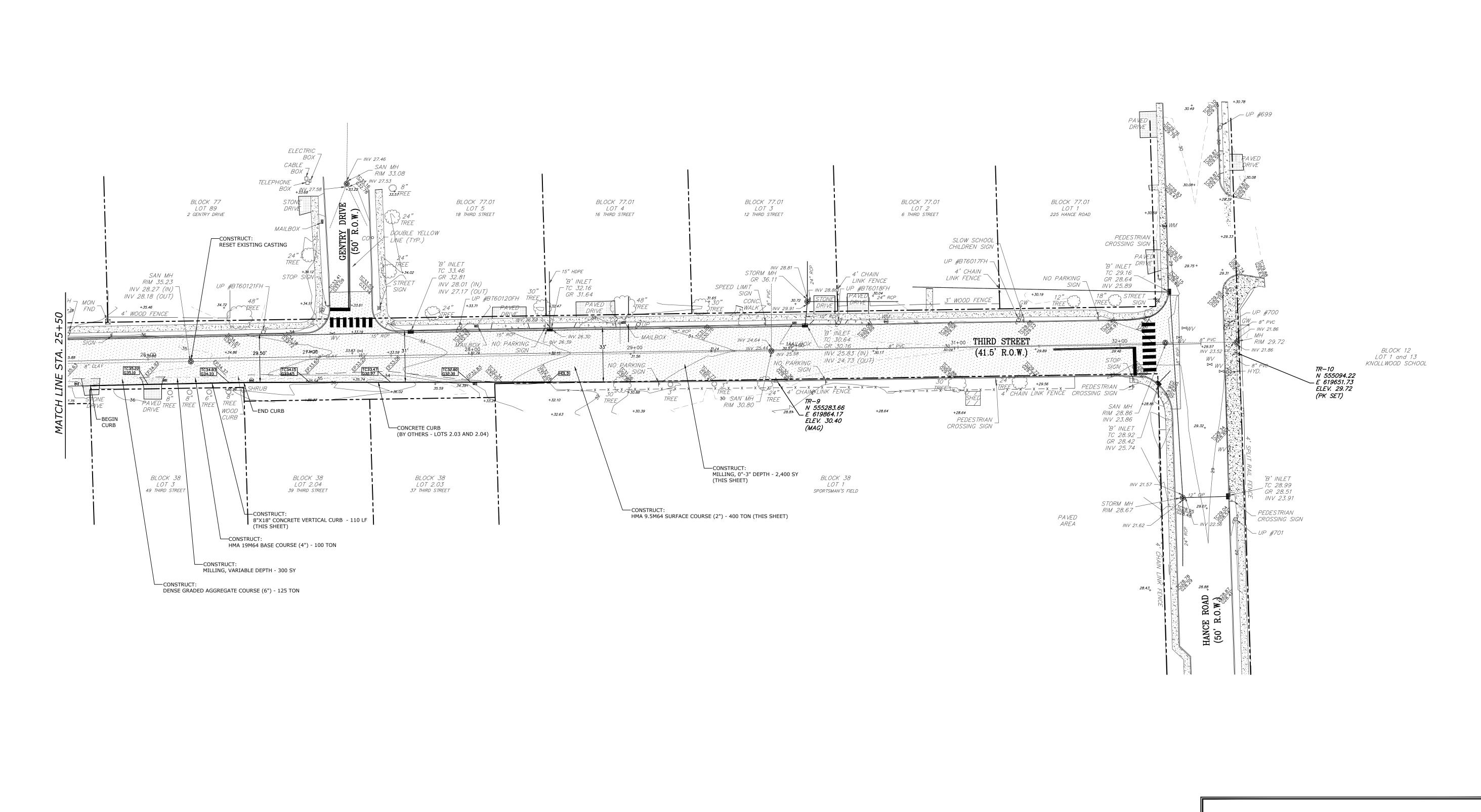
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of 7

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# CONSTRUCTION PLAN

# IMPROVEMENTS TO THIRD STREET - PHASE 2



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DATE: 10/24/2022

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Sheet Number:	4
	of 7

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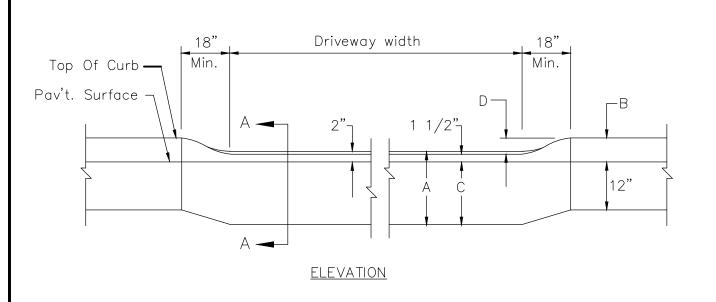
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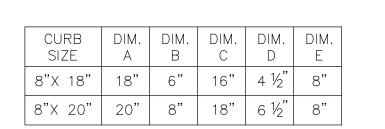
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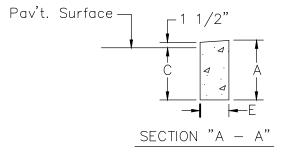
1"=30'

Drawn by:

RG





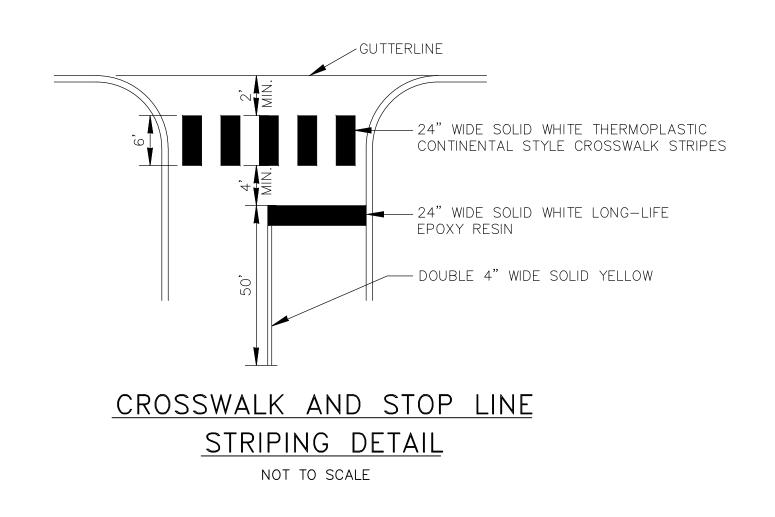


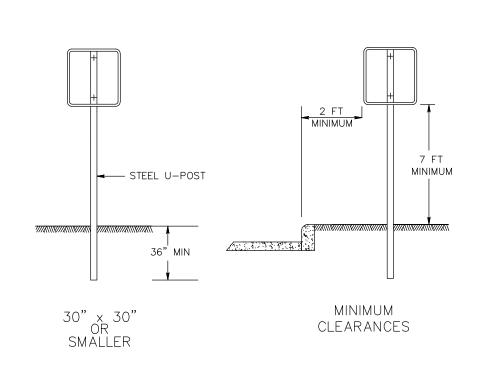
# -1/2" PREFORMED EXPANSION JOINT FILLER, BITUMINOUS TYPE, TO BE INSTALLED BETWEEN CURB AND CONCRETE PAVEMENT OR CONCRETE BASE COURSE.

CONCRETE VERTICAL CURB

NOT TO SCALE

CLASS B





<u>SIGNS</u> NOT TO SCALE

INLET FRAME AND

6" MIN. AT SIDES

 $_{-}$  2" x 4" LAID FLAT

OR ON EDGE

\_\_ INLET CASTING

/--WIRE MESH

SIDEWALL OF INLET

-GEOTEXTILE

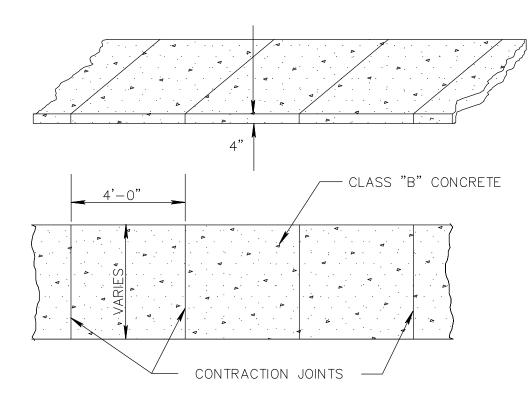
NO. 2 AGGREGATE

MISSING BLOCK OR HOLE

GRATE. EXTEND

# METHOD OF DEPRESSING CURB AT DRIVEWAYS

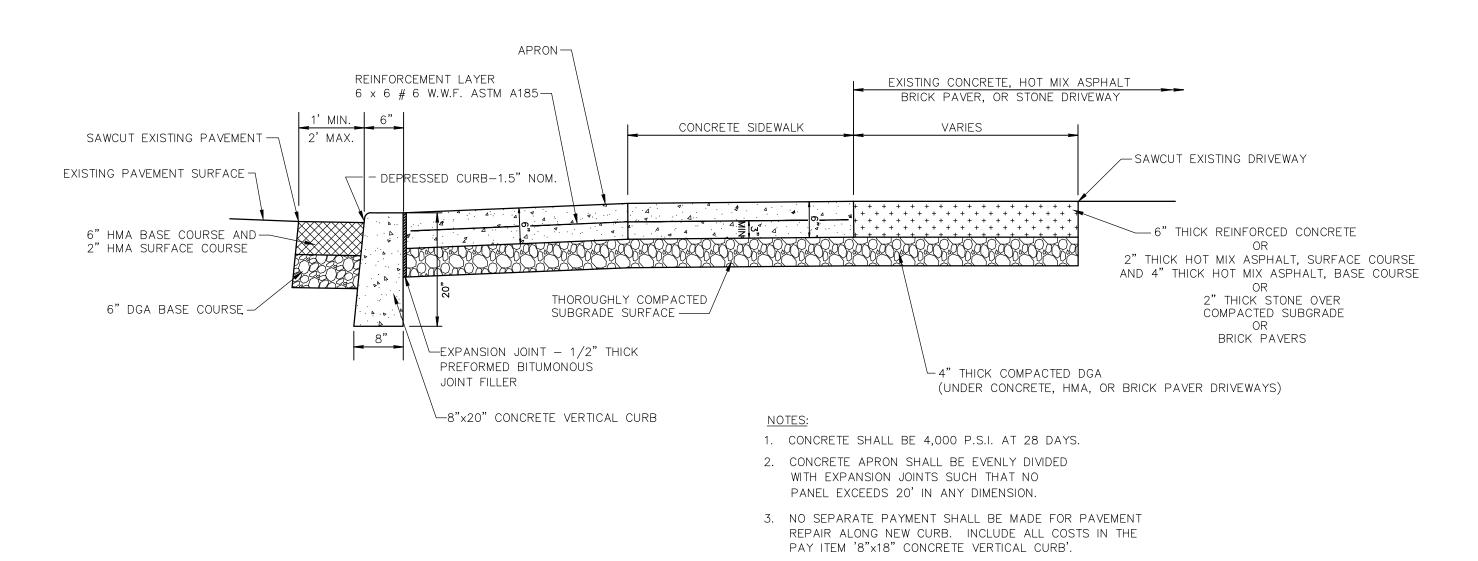
NOT TO SCALE



## TYPICAL DETAIL CONCRETE SIDEWALK NOT TO SCALE

#### NOTES:

- 1. PREFORMED BITUMINOUS EXPANSION JOINTS,1/2" THICK SHALL BE INSTALLED EVERY 20 FEET. CONTRACTION JOINTS SHALL BE INSTALLED EVERY 4 FEET.
- 2. CONCRETE SHALL BE CLASS "B" PORTLAND CEMENT HAVING A 28 DAY STRENGTH OF 4000 PSI.



8"x18" | 18" | 6"

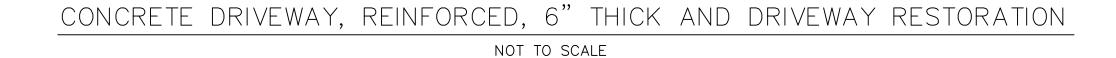
8"x20" 20" 6"

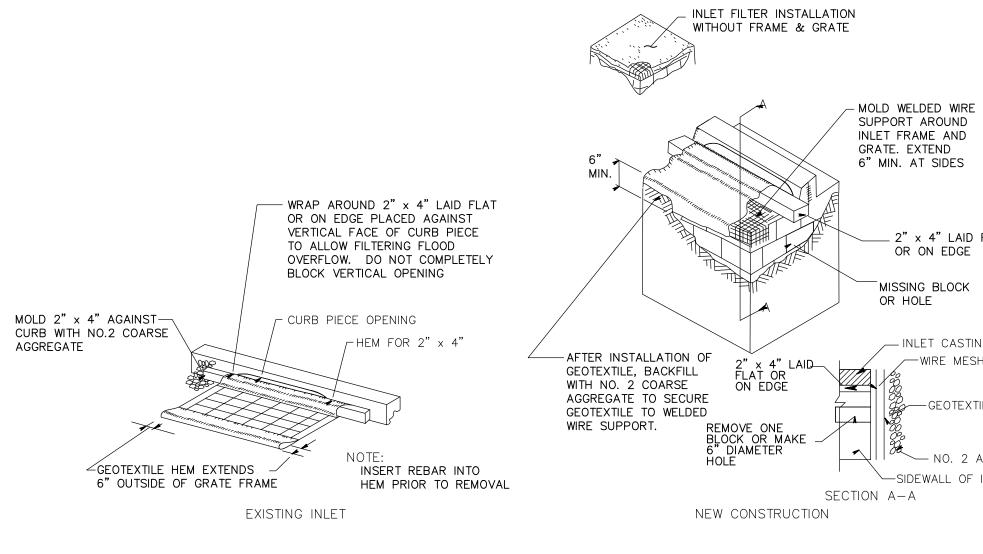
STRIP EQUAL TO THE THICKNESS OF THE

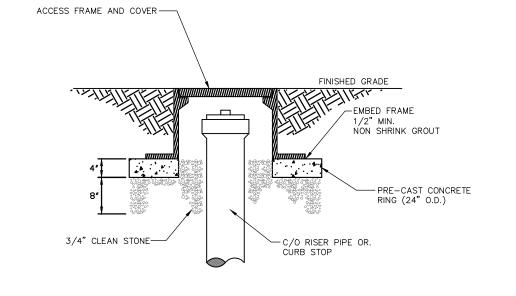
PAVEMENT LESS 1/2"

- THIS FACE MAY BE CONSTRUCTED ON SAME BATTER AS UPPER FACE WHEN CURB IS CONSTRUCTED ADJACENT TO HMA PAVEMENT.

PAVEMENT SURFACE







RESETTING SEWER CLEANOUTS WILL BE PAID FOR UNDER THE PAY ITEM RESET MANHOLE, SANITARY SEWER, USING NEW CASTING. SANITARY SEWER CLEAN-OUT AND WATER/GAS VALVE FRAME AND COVER DETAIL NOT TO SCALE

# CONSTRUCTION DETAILS

# IMPROVEMENTS TO THIRD STREET - PHASE 2



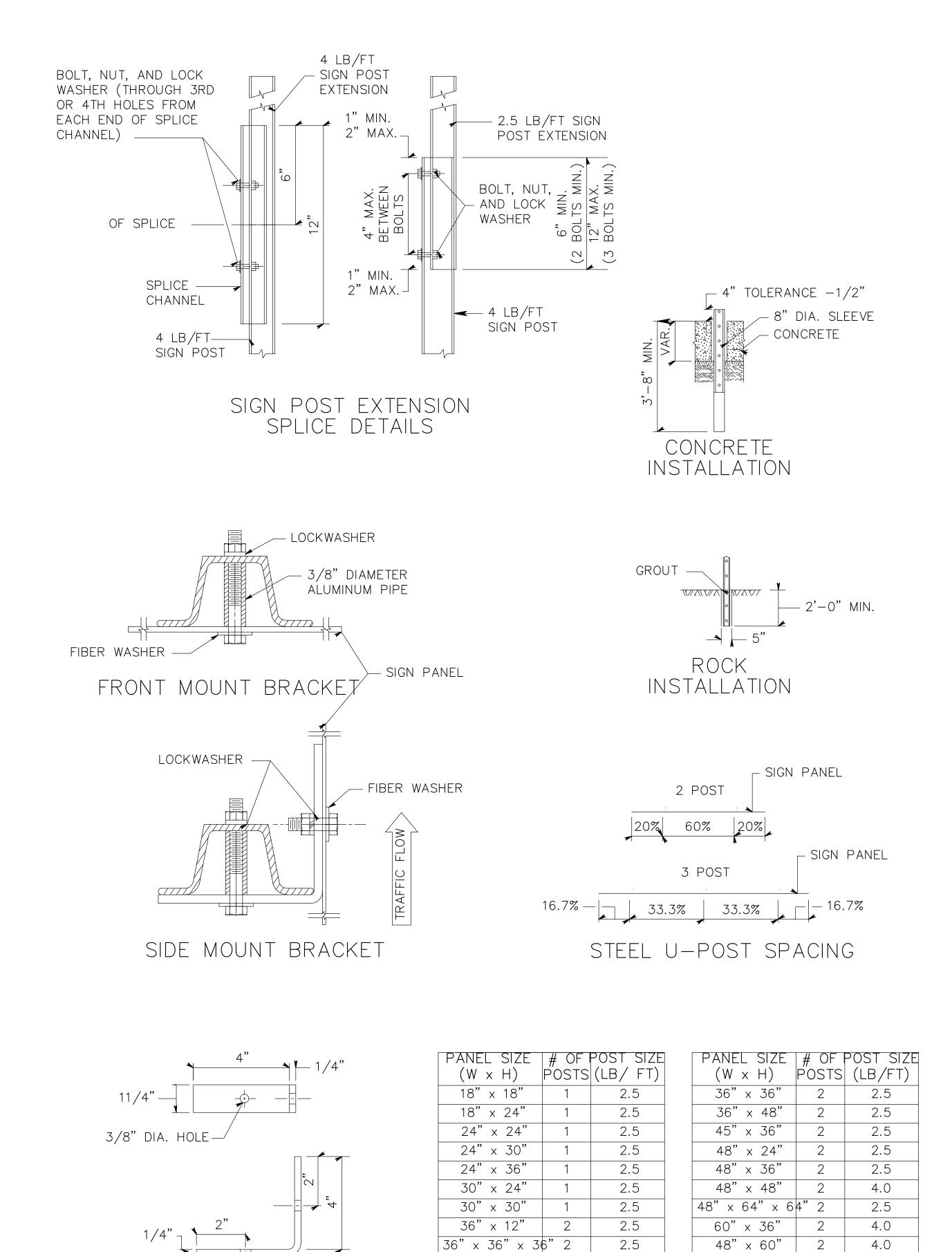
BOROUGH OF FAIR HAVEN 748 River Road, Fair Haven, NJ 07704 phone: 732.747.0241 fax: 732.747.6962 website: www.fairhavennj.org

REGINDE DATE: 10/24/2022 RICHARD GARDELLA, PE, PP, CME, CPWM PROFESSIONAL ENGINEER New Jersey License No. 43747

NONE 22-01 Designed by: Drawn by: RG Sheet Number: 5

Project No.

Scale:



30" × 36"

DETAIL OF BRACKET

FOR SIDE MOUNTED SIGNS

60" × 30"

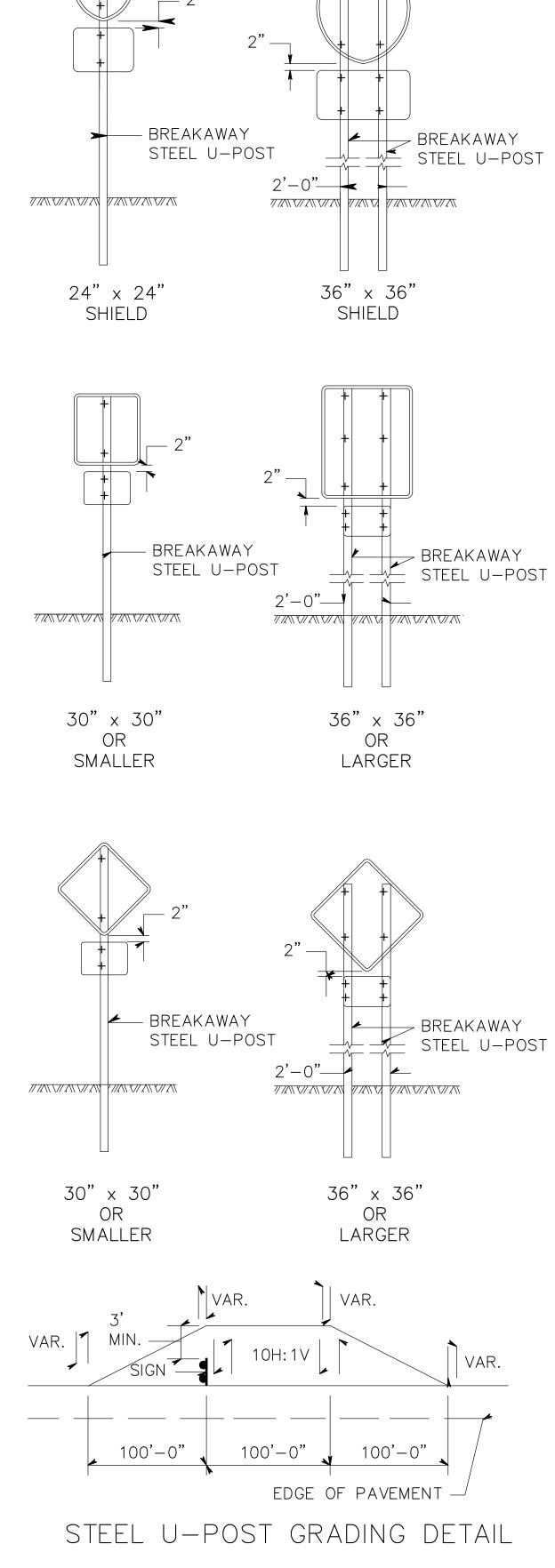
U-POST SELECTION TABLE

BREAKAWAY SIGN SUPPORT

2

4.0

4.0



GENERAL NOTES:

- 1. ALL POSTS TO BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND AS INDICATED BELOW
- 2. ALL SMALL SIGN SUPPORTS TO BE OF THE BREAKAWAY TYPE WITH EXCEPTION OF THOSE INSTALLED BEHIND GUIDE RAIL OR OTHER ROADSIDE BARRIER.
- 3. ALL STEEL POSTS AND BRACKETS TO BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVINIZING TO BE ACCORDING TO ASTM A123.
- 4. ALL STEEL U-POST SIGN SUPPORTS MUST BE INSTALLED FACING THE PREDOMINANT TRAFFIC FLOW. USE A MOUNTING BRACKET ON SIDE MOUNTED SIGNS SUCH AS "ONE WAY" SIGNS INSTALLED IN MEDIANS.
- 5. SIGN PANEL SIZES ARE TO DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL.
- 6. BOLTS ARE NOT TO PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT, BUT ARE TO ENGAGE ALL THREADS IN THE NUT.
- 7. WHEN SIGNS ARE INSTALLED ON SLOPES 10H:1V OR FLATTER, THE MINIMUM VERTICAL CLEARANCE REQUIREMENTS FOR SIGNS ARE:

FOR SINGLE POST INSTALLATIONS — THE MINIMUM DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE BOTTOM OF ANY PANEL MUST BE 7 FEET, AND THE MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO THE TOP OF ANY SIGN PANEL MUST BE 9 FEET.

FOR MULTI-POST INSTALLATIONS - THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A MAIN SIGN PANEL MUST BE 7 FEET.

SECONDARY SIGN PANELS (LAND SERVICE HIGHWAYS) — THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A SECONDARY SIGN PANEL IS 6 FEET. SECONDARY SIGN PANELS (INTERSTATE AND FREEWAYS) - THE BOTTOM OF THE MAIN SIGN TO BE A MINIMUM OF 8 FEET AND THE SECONDARY SIGN PANEL A MINIMUM OF 5 FEET ABOVE THE EDGE OF PAVEMENT.

WHERE GRADING OF 10H: 1V OR FLATTER CANNOT BE OBTAINED, OR WHERE CURB OR BERM IS GREATER THAN 4 INCHES, THE MINIMUM VERTICAL CLEARANCE WILL BE MEASURED FROM THE GROUND LINE TO THE BOTTOM OF THE SIGN.

THE HORIZONTAL OFFSET FROM EDGE OF PAVEMENT TO EDGE OF SIGN IS DERIVED FROM SECTION 2A.19 OF THE MUTCD AS FOLLOWS:

FOR URBAN INSTALLATIONS - IN AREAS WHERE LATERAL OFFSETS ARE LIMITED, A MINIMUM LATERAL OFFSET OF 2 FEET IS DESIRABLE. A MINIMUM OFFSET OF 1 FOOT FROM THE FACE OF THE CURB MAY BE USED IN AREAS WHERE THE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING POLES ARE CLOSE TO THE CURB.

FOR RURAL INSTALLATIONS — 6 FEET MINIMUM DESIRABLE FROM EDGE OF SHOULDER, BUT 12 FEET MINIMUM DESIRABLE FROM EDGE OF TRAFFIC OR AUXILIARY LANE.

FOR INTERSTATE AND FREEWAY INSTALLATIONS - 6 FEET MINIMUM DESIRABLE FROM EDGE OF SHOULDER, BUT NOT LESS THAN 12 FEET FROM THE EDGE OF TRAFFIC OR AUXILIARY LANE.

FOR RAMP INSTALLATIONS - 6 FEET MINIMUM FROM EDGE OF ROAD.

WHERE BEHIND GUIDE RAIL - 4 FEET MINIMUM FROM BACK OF BEAM GUIDE RAIL ELEMENT TO

- SIGN POST. DO NOT INSTALL PERMANENT SIGN SUPPORTS ON SLOPES GREATER THAN 10H:1V, EXCEPT WHERE GRADING OF 10H: 1V CANNOT BE OBTAINED OR THE SIGN SUPPORTS WILL BE BEHIND A TRAFFIC BARRIER. THE SLOPE IS TO EXTEND A MINIMUM OF 3 FEET BEYOND THE OUTSIDE EDGE OF SIGN (SEE GRADING DETAIL FOR SLOPE TREATMENT).
- 10. EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH STEEL U-POST SIGN SUPPORTS.
- 11. DO NOT PLACE STEEL U-POST SIGN SUPPORTS IN FRONT OF GUIDE RAIL AND THE POSTS MUST NOT STRADDLE GUIDE RAIL.
- 12. TO EXTEND THE HEIGHT OF A SIGN POST, A MAXIMUM OF ONE SPLICE MAY BE MADE AND MUST BE A MINIMUM OF 9 FEET FROM THE GROUNDLINE TO CENTER LINE OF SPLICE.

STEEL U-POST SIGN SUPPORTS

# CONSTRUCTION DETAILS

# IMPROVEMENTS TO THIRD STREET - PHASE 2



BOROUGH OF FAIR HAVEN 748 River Road, Fair Haven, NJ 07704 phone: 732.747.0241 fax: 732.747.6962 website: www.fairhavennj.org

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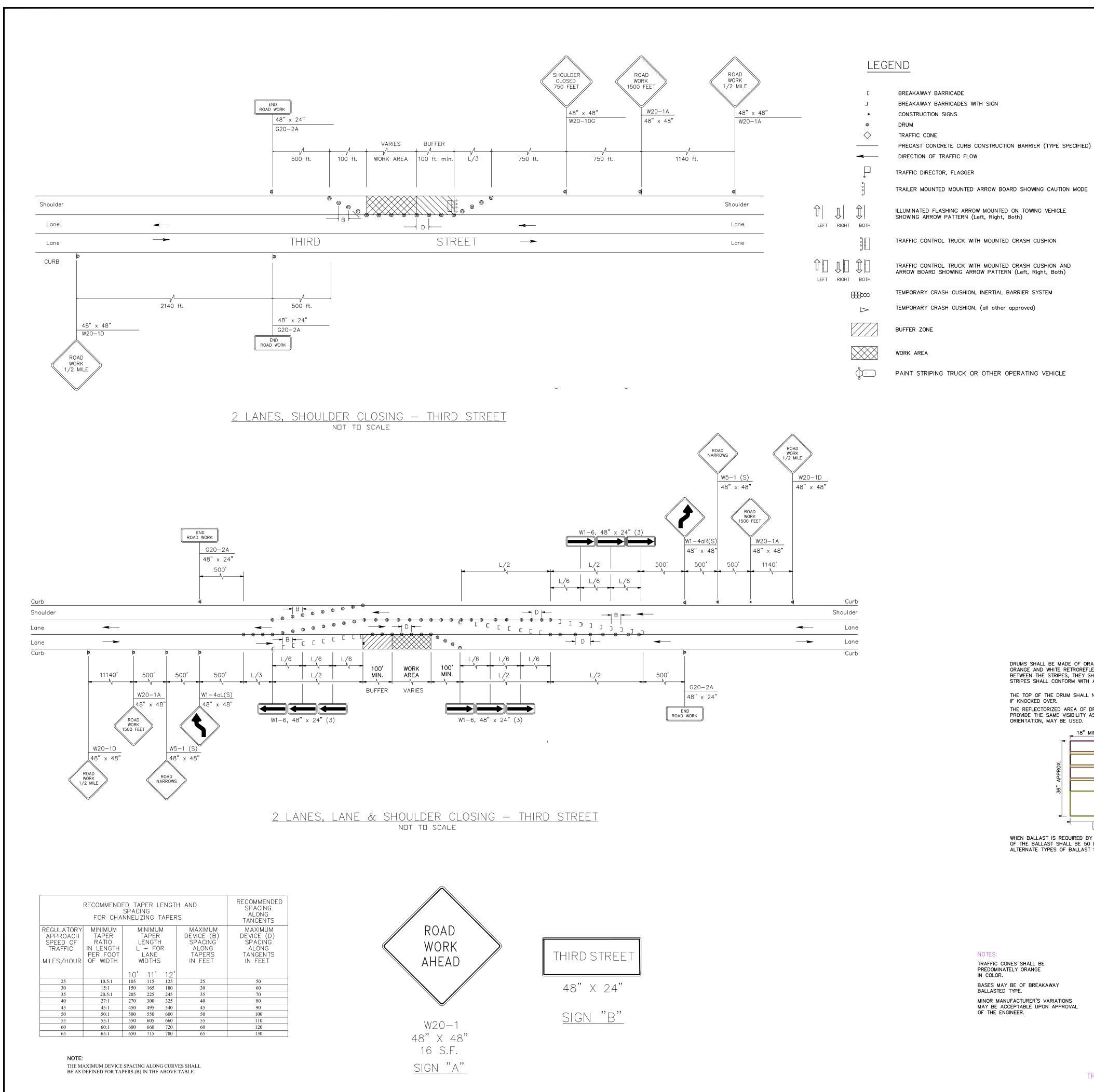
Project No

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REGINDUL RICHARD GARDELLA, PE, PP, CME, CPWM PROFESSIONAL ENGINEER

DATE: 10/24/2022 Sheet Number: 6 of 7



## GENERAL NOTES:

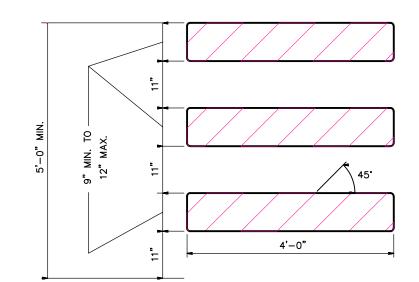
- 1. ADVANCE WARNING SIGNS DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED, AT DIRECTION OF THE DEPARTMENT, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
  - 2. THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS AR SHOWN ON THE TRAFFIC CONTROL PLANS. THESE LOCATIONS MAY BE MODIFIED AS APPROVED BY RE TO ADJUST FOR VISIBILITY DUE TO HORIZONTAL OR VERTICAL CURVATURE OF THE ROADWAY OR TO POSITION AT A SAFER LOCATION. ILLUMINATED FLASHING ARROW BOARDS ARE TO BE USED FOR TEMPORARY LANE CLOSINGS AND AT LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLANS.
  - 3. PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
  - 4. RAMPS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-IF SIGN (ROAD WORK AHEAD) AS A MINIMUM. 5. ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS AND/OR PLOWABLE PAVEMENT
  - REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED AS DIRECTED BY THE RE.
  - 6. CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON EITHER THE EXISTING, TEMPORARY,OR PROPOSED TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR
  - 7. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - PART VI "STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS.
  - 8. CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) SHALL BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
  - 9. A W1-6 (ARROW) SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED WIDTH SHALL BE LOCATED 100 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
  - 10. CONSTRUCTION SIGNS R11-4 (ROAD CLOSED TO THRU TRAFFIC) SHALL BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF
  - 11. CONSTRUCTION SIGNS W8-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST.
  - 12. MOVING WORK AREAS IN A LANE CLOSURE REQUIRE A TRAILER MOUNTED ILLUMINATED FLASHING ARROW TO REMAIN AT THE END OF THE TAPER. THE TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION THAT SHALL MOVE WITH THE WORK AREAS TO KEEP A 70 FEET MIN. AND 150 FEET MAX. BUFFER IN ADVANCE OF EACH WORK AREA
  - 13. THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SAFE ACCESS OF CONSTRUCTION VEHICLES THROUGHOUT THE WORK SITE WHERE SPACE CONSTRAINTS PREVENT THE USE OF LANE CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE RE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
  - 14. ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY SHALL BE BACKFILLED AND PLACED ON AT LEAST 6H: 1V SLOPE BEFORE THE END OF EACH WORK DAY. OTHER EXCAVATED AREA WITHIN THE CLEAR ZONE SHALL BE BACKFILLED.
  - 15. WHERE REQUIRED, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN CROSSING LOCATIONS AND TYPE AS DIRECTED BY THE RE.
  - 16. BITUMINOUS CONCRETE PLACED DURING THE VARIOUS CONSTRUCTION STAGES SHALL BE TRANSITIONED ON A MINIMUM 20H: 1V SLOPE TO MEET THE ADJACENT EXISTING GRADE AT THE LONGITUDINAL AND TRANSVERSE LIMITS OF THE STAGE CONSTRUCTION

AREAS UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.

- 17. THE PLACEMENT AND OR RELOCATION OF PRECAST CONCRETE CURB, CONSTRUCTION BARRIER SHALL BE DONE DURING APPROVED OFF-PEAK HOURS WHEN TRAFFIC MAY BE REDUCED TO ONE LANE IN EACH DIRECTION.
- 18. CONSTRUCTION ZONE SPEED LIMIT WILL BE DETERMINED BY THE TRAFFIC SIGNAL & SAFETY ENGINEERING, REGIONAL TRAFFIC ENGINEER - WORK ZONE, AT THE TIME OF OR DURING CONSTRUCTION, AS REQUESTED BY THE R.E..
- 19. THE SPEED LIMIT, R2-1 (BLACK ON WHITE) WITH ADDED WORK ZONE PLATE (BLACK ON ORANGE) SIGNS SHALL BE LOCATED THROUGH WORK AREAS AS DIRECTED BY
- 20. THE REDUCED SPEED AHEAD SIGN, W3-5(S) (BLACK ON ORANGE) SHALL BE LOCATED IN ADVANCE OF SPEED LIMIT R2-1 SIGNS WHICH REDUCE THE NORMAL POSTED SPEED LIMIT THROUGH THE CONSTRUCTION ZONE.
- 21. TRAFFIC FINES DOUBLED IN WORK AREA R(NJ)5-17(S), 4 FEET BY 2.5 FEET SIGN SHALL BE LOCATED 500 FEET AFTER THE FIRST ADVANCE WARNING SIGN, (W20 SERIES) AT EACH WORK AREA LOCATED WITHIN URBAN AREAS. THIS SIGN SHALL ALSO BE USED ON PROJECTS REQUIRING MOVING OPERATIONS IN WHICH CASE THE SIGN SHALL BE MOUNTED ON A SLOW MOVING CONSTRUCTION VEHICLE.
- 22. THE FINAL HMA SURFACE PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL THE FINAL STAGE OF THE PROJECT UNLESS OTHERWWISE DIRECTED BY THE RE OR INDICATED ON THE PLANS. MANHOLES AND INLETS SHALL BE SET TO FINISHED GRADE AND TEMPORARY PAVEMENT RAMPS ARE TO BE CONSTRUCTED AROUND THEM WITH A MINIMUM 20H: 1V SLOPE IN ALL DIRECTIONS USING HOT MIX ASPHALT PAVEMENT. THIS TEMPORARY MATERIAL WILL BE REMOVED IMMEDIATELY PRIOR TO PLACING THE SURFACE COURSE.

#### 23. TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. SHALL BE PLACED AS SHOWN ON PLANS. SIGNS SHALL NOT BE PLACED WITHOUT ACTUAL LANE CLOSURES AND SHALL BE IMMEDIATELY REMOVED UPON REMOVAL OF

- 24. CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE RE.
- 25. TRAFFIC IMPACT NOTICES AND CHANGES
- WHEN THE FOLLOWING TERMS ARE USED, THE INTENT AND MEANING SHALL BE AS FOLLOWS: I. IMPACTS TO NORMAL TRAFFIC FLOW — WORK THAT REQUIRES A PORTION OF THE PAVED ROADWAY BEING BLOCKED OR CLOSED WITH SAFETY DEVICES OR VEHICLES, INCLUDING, BUT NOT LIMITED TO, FULL OR PARTIAL LANE CLOSURES, FULL OR PARTIAL RAMP CLOSURES, SHOULDER CLOSURES, MOVING OPERATIONS SUCH AS TRAFFIC STRIPING OR SWEEPING, LANE SHIFTS, OR ALTERNATING TRAFFIC. THIS APPLIES EVEN WHEN DETOURS ARE PROVIDED. ii. TEMPORARY LANE CLOSURES — WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC FLOW" WHICH IS ROUTINELY SET UP AND REMOVED ON A DAILY BASIS. iii. PERMANENT LANE CLOSURES — WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC FLOW" WHICH REMAINS IN PLACE CONTINUOUSLY FOR 24 HOURS OR MORE. B. ADVANCE NOTICES
- FOR THE INITIAL START OF WORK THAT REQUIRES "IMPACTS TO NORMAL TRAFFIC FLOW", THE CONTRACTOR SHALL NOTIFY THE RE IN WRITING, ON THE ADVANCE FORM TO—10.3 PROVIDED BY THE DEPARTMENT, OF THE PROPOSED DATE. THE NOTICE SHALL BE SUBMITTED AT LEAST TWENTY—EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, BEFORE THE PROPOSED DATE. START OF WORK THAT IMPACTS NORMAL TRAFFIC FLOW WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR SHALL CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE SEVEN (AND/OR FOURTEEN) CALENDAR DAYS BEFORE STARTING THE ESTABLISHMENT OF THE TRAFFIC CONTROL MEASURES FOR THE TRAFFIC IMPACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RE IF THE PROPOSED ESTABLISHMENT CAN NOT BE COMPLETED ON THE PROPOSED DATE.
- FOR A "PERMANENT LANE CLOSURE", THE CONTRACTOR SHALL NOTIFY THE RE IN WRITING, ON ADVANCE FORM TO—103, OF THE PROPOSED DATE A NEW TRAFFIC PATTERN WILL BE ESTABLISHED. THE NOTICE SHALL BE SUBMITTED AT LEAST TWENTY—EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, IN ADVANCE OF THE PROPOSED DATE. START OF A NEW TRAFFIC PATTERN WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR SHALL CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE OF THE NEW TRAFFIC PATTERN SEVEN (AND/OR FOURTEEN) DAYS BEFORE STARTING TRAFFIC CONTROL MEASURES FOR THE ESTABLISHMENT OF THE NEW PATTERN. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RE IF THE PROPOSED ESTABLISHMENT CAN NOT BE COMPLETED ON THE PROPOSED DATE.
- STARTING THE ESTABLISHMENT OF A NEW PERMANENT TRAFFIC PATTERN SHALL BEGIN NO EARLIER THAN 11:00 PM FRIDAY AND SHALL BE COMPLETED AND READY FOR OPERATIONS BY 6:00 PM THE FOLLOWING SUNDAY. THE ESTABLISHMENT SHALL BE COMPLETED IN ACCORDANCE WITH THE LANE CLOSURE HOURS SPECIFIED IN THE CONTRACT.
- ADVANCE NOTICES SENT PRIOR TO THE PRE-CONSTRUCTION MEETING SHALL BE ADDRESSED TO THE CONTACT PERSON AS SPECIFIED IN SUBSECTION 101.04 OF THE SPECIAL PROVISIONS. C. PROGRESS NOTICES
- ALL "IMPACTS TO NORMAL TRAFFIC FLOW" SCHEDULED FOR THE SEVEN DAY PERIOD STARTING ON THE FOLLOWING MONDAY SHALL BE SUBMITTED TO THE RE BY 9:00 AM OF EACH FRIDAY ON WEEKLY FORM TO-101 PROVIDED BY THE DEPARTMENT. EACH DAY OF "TEMPORARY LANE CLOSURES" SHALL BE SUBMITTED TO THE RE BY 9:00 AM THE DAY IN ADVANCE OF THE START OF THOSE OPERATIONS ON DAILY FORM TO—102 PROVIDED BY THE DEPARTMENT. "TEMPORARY LANE CLOSURES" FOR WEEKENDS SHALL BE SUBMITTED TO THE RE BY 9:00 AM ON THE MMEDIATELY PRECEDING FRIDAY ON THE DAILY FORM TO-102 PROVIDED BY THE DEPARTMENT.
- D. CHANGES TO THE SCHEDULED CLOSURES REQUEST FOR A CHANGE TO THE TRAFFIC CONTROL REQUIREMENTS IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING TO THE RE AS FOLLOWS: CHANGES TO THE SCHEDULED HOURS FOR "TEMPORARY LANE CLOSURES" SHALL BE SUBMITTED TO THE R.E. AT LEAST EIGHT CALENDAR DAYS IN ADVANCE OF WHEN THE CHANGE IS PROPOSED TO START.



## TYPE III BARRICADE - FRONT VIEW

- 1. THE 9" MIN. x 48", OR 12" MAX. x 48" BARRICADE RAILS SHALL BE FABRICATED FROM 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 1 INCH NO. 14 PAN HEAD METAL SCREWS OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED.
- 2. ORANGE AND SILVER (WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, ASTM D 4956 TYPE III, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC
- 3. IF NECESSARY, THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURE'S RECOMMENDATION.
- 4. THE FRAMING FOR BARRICADE PANELS SHALL BE NCHRP-350 CRASHED TESTED AND FHWA APPROVED.

BREAKAWAY BARRICADES

TRAFFIC CONTROL PLAN AND NOTES

## IMPROVEMENTS TO THIRD STREET - PHASE 2



BOROUGH OF FAIR HAVEN 748 River Road, Fair Haven, NJ 07704 phone: 732.747.0241 fax: 732.747.6962 website: www.fairhavennj.org

REGINDER DATE: 10/24/2022 RICHARD GARDELLA, P.E., P.P., C.M.E. PROFESSIONAL ENGINEER

New Jersey License No. 43747

Scale: Project No. 1"=30' 22-02 Drawn by: Designed by RG RG Sheet Number: of 7

DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE FLUORESCENT ORANGE AND WHITE RETROREFLECTIVE STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY SHALL BE NO MORE THAN 2" WIDE. RETROREFLECTIVE SHEETING FOR STRIPES SHALL CONFORM WITH ASTM D 4956 TYPE VII OR VIII WITH S2 REQUIREMENTS. THE TOP OF THE DRUM SHALL NOT BE OPEN. DRUMS SHALL BE CONSTRUCTED TO INHIBIT ROLLING THE REFLECTORIZED AREA OF DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES, WHICH

PROVIDE THE SAME VISIBILITY AS AN 18 INCH DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED. - 6" MIN. REFLECTORIZED STRIPES FLOURESCENT ORANGE 6" MIN. REFLECTORIZED STRIPES WHITE 2" MAX. NON-REFLECTORIZED SPACE (ORANGE) ( TYP.) — NON-REFLECTORIZED SPACE (ORANGE)

BASE DIA. MAY BE LARGER THAN TOP DIA. WHEN BALLAST IS REQUIRED BY THE R.E., SAND SHALL BE USED. THE MAXIMUM WEIGHT OF THE BALLAST SHALL BE 50 LBS. AND BE LOCATED APPROXIMATELY AT GROUND LEVEL. ALTERNATE TYPES OF BALLAST SHALL BE APPROVED BY THE R.E..

TRAFFIC CONES SHALL BE PREDOMINATELY ORANGE BASES MAY BE OF BREAKAWAY BALLASTED TYPE. MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL

OF THE ENGINEER.

─<del>| = |</del> 13/4" MIN. O.D. - 3" TO 4" SPACE FOR HANDLING. 6" SILVER (WHITE) RETROREFLÈCTIVE SHEETING, ASTM D-4956 TYPE III 2" SPACE 4" SILVER (WHITE) RETROREFLÈCTIVE SHEETING, ASTM D-4956 TYPE III — PLASTIC OR RUBBER. MIN. WEIGHT 7 LBS. — 71/2" MIN. O.D. 14" MIN.

TRAFFIC CONES