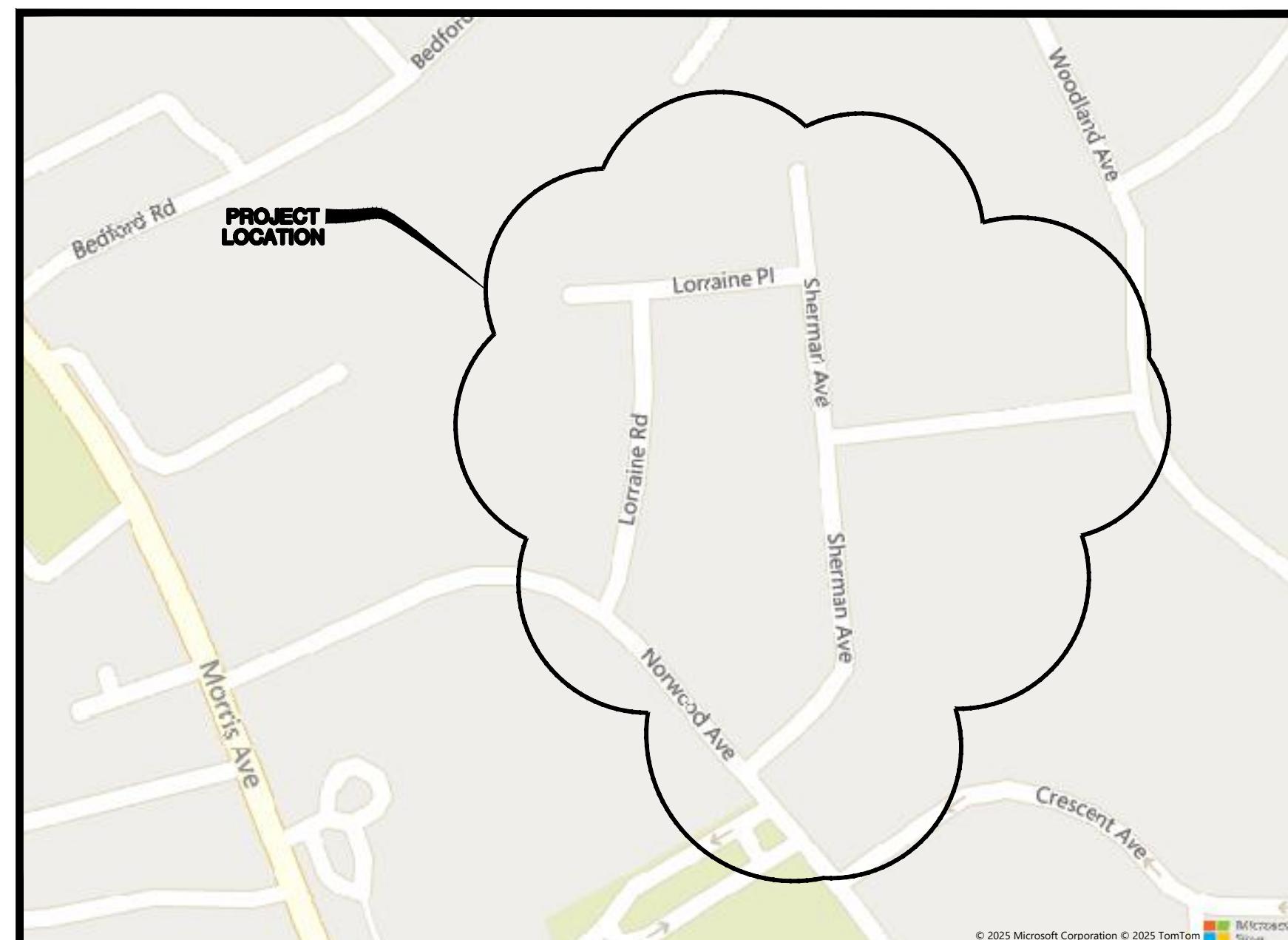


# LORRAINE ROAD, LORRAINE PLACE SHERMAN AVENUE ROAD IMPROVEMENTS

## CITY OF SUMMIT

**MAYOR**  
**ELIZABETH FAGAN**  
**COUNCIL PRESIDENT**  
**MIKE MCTERNAN**  
**COUNCIL MEMBERS**  
**DELIA HAMLET**  
**MICHELLE KALMANSON**  
**BOB PAWLOWSKI**  
**JAMEL BOYER**  
**CLAIRE TOTH**  
**KEVIN SMALLWOOD**



LOCATION MAP

N.T.S.

THE ELECTRONIC VERSION OF THE 2019 NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EFFECTIVE SEPTEMBER 1, 2019, AS REFERENCED IN BASELINE DOCUMENT CHANGE ANNOUNCEMENT BDC19S-01, UNLESS MODIFIED WITHIN THE TECHNICAL SPECIFICATIONS OF THIS CONTRACT, SHALL GOVERN.

THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION\TRAFFIC CONTROL\BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2007 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

### FUNDING SOURCE:

MUNICIPAL

**CITY OF SUMMIT**  
**UNION COUNTY • NEW JERSEY**

**RVE**  
1901  
REMINGTON  
& VERNICK  
ENGINEERS  
429 STATE ROUTE 79, SUITE 21  
MORGANVILLE, NJ 07751  
(732) 955-8000, FAX (732) 591-2815  
WEB ADDRESS : RVE.COM  
Certification of Authorization: 24 GA 28003300  
Excellence • Innovation • Service

*Summit 9/18/25*  
DATE: 9/18/25  
**TERENCE M. VOGT**  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

DATE: 9/18/25  
**MOSTAFA RAZZAGHMANESH**  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

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3	LEGEND
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24	TRAFFIC CONTROL PLAN

PLANS WHICH DO NOT BEAR  
AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK  
ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF  
SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT  
INTENDED AS CONTRACT DOCUMENTS. THEY ARE PROVIDED  
BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT  
OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT  
WRITTEN CONSENT OF REMINGTON & VERNICK  
ENGINEERS AND AFFILIATES FOR THE SPECIFIC  
PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND  
WITH OWNERS FULL UNDERSTANDING. REMINGTON &  
VERNICK ENGINEERS AND AFFILIATES, AND OWNER  
SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON &  
VERNICK ENGINEERS AND AFFILIATES FROM ALL  
DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR  
RESULTING THEREFROM.

PUBLIC UTILITIES	
PUBLIC SERVICE ELECTRIC & GAS COMPANY 45 MIDDLE AVENUE SUMMIT, NJ 07901 908-522-7407	9/18/25 56522 REISSUED FOR REBID DATE BY CIRK
NEW JERSEY AMERICAN WATER 167 JFK PARKWAY SHORT HILLS, NJ 07078 800-652-6987—customer service 800-987-5325	
COMCAST CABLEVISION OF NEW JERSEY 800 Rahway Avenue Union, NJ 07083 732-602-7410 or 1-800-COMCAST	
VERIZON 445 GEORGES ROAD NORTH BRUNSWICK, NJ 08902 800-275-2355	
JERSEY CENTRAL POWER & LIGHT 300 MADISON AVENUE MORRISTOWN, NJ 07960 800-662-3115	
CITY OF SUMMIT DEPT. OF PUBLIC WORKS 41 CHATHAM ROAD SUMMIT, NJ 07901 908-277-9458	

TITLE SHEET	
CITY OF SUMMIT	9/18/25 56522
LORRAINE ROAD, LORRAINE PLACE	REISSUED FOR REBID
SHERMAN AVENUE ROAD IMPROVEMENTS	DATE BY CIRK
NEW JERSEY	Revision No.

DRAWN BY:	DESIGNED BY:	CHECKED BY:	SCALE:
DRB	JF	TV	AS NOTED
DATE:			
03-17-2024			
JOB No.:			
2018-T-009			
1			
of 24			

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF THE CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

2. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.

3. THE CONTRACTOR SHALL USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

4. ALL PAVED AND CONCRETE AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.

5. ALL GRASSED OR WOODED AREAS DISTRIBUTED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEDED.

6. ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPAKTED TO THE SATISFACTION OF THE ENGINEER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF THE UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT HE DAMAGES.

8. BASELINES HAVE BEEN PROVIDED ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE BASELINE AS SHOWN ON THE PLAN.

9. APPROXIMATE DEPTH OF ALL WATER MAIN IS  $\pm$  4 FEET.

10. APPROXIMATE DEPTH OF ALL GAS MAIN IS  $\pm$  3 FEET.

11. ALL CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH N.J.D.O.T. STANDARDS AS DETAILED IN:

- "STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BIDGE CONSTRUCTION DETAILS."
- "NJDOT STANDARD ELECTRICAL DETAILS: 2007."

INCLUDING ALL APPLICABLE BASELINE DOCUMENT CHANGES AND APPENDICES. THESE DETAILS MAY BE PURCHASED THROUGH THE N.J.D.O.T. PLANS AND SPECIFICATION CENTER AT:

1035 PARKWAY AVENUE,  
TRENTON, NEW JERSEY  
08625-0600  
(TELEPHONE: 1-609-530-2098)

12. RECONSTRUCTION OF EXISTING MANHOLES AND INLETS, INCLUDING CONCRETE CAPS AND OTHER NECESSARY MODIFICATIONS, TO ACCOMMODATE NEW INLET CONSTRUCTION, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR INLETS AND MANHOLES OF THE VARIOUS KINDS.

13. SEPARATE PAYMENT WILL NOT BE MADE FOR SAW CUTTING OF ANY KIND, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

14. PAYMENT FOR JOINT MATERIAL FOR ALL CONCRETE WORK WILL NOT BE MEASURED BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

15. TRAFFIC CONTROL INCLUDING ALL DEVICES SHALL BE PAID UNDER "MAINTENANCE AND PROTECTION OF TRAFFIC", AND SHALL BE IN ACCORDANCE WITH THE MOST CURRENT M.U.T.C.D AND N.J.D.O.T. DETAILS.

16. MANHOLE CASTINGS THAT ARE TO BE REST SHALL BE RESET  $\frac{1}{4}$ " LOWER THAN THE PROPOSED PAVEMENT ELEVATION.

17. SEPARATE PAYMENT WILL NOT BE MADE FOR STEEL TREE ROOT PROTECTION PLATES, BUT PAYMENT SHALL BE MADE AS THE UNIT PRICE BID FOR CONCRETE CURB.

18. ALL GRASS AND WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE BACKFILLED AS DIRECTED.

19. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING CONCRETE CURB NOT SHOWN TO BE REMOVED. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETE REMOVAL AND REPLACEMENT OF ANY DAMAGED CURB NOT DOCUMENTED PRIOR TO THE START OF CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

20. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION ALONG WITH THE 2019 STATE AID SUPPLEMENTAL SPECIFICATION AS MODIFIED SHALL GOVERN THIS PROJECT.

21. ALL UNUSED MATERIAL EXCAVATED FROM THE PROJECT SITE ARE TO BE DISPOSED OF AT AN APPROVED FACILITY.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE PLANS AND SPECIFICATIONS.

23. THE CONTRACTOR MUST OBTAIN AND PAY FOR COUNTY ROAD OPENING PERMIT FOR ALL WORK WITHIN THE COUNTY RIGHT-OF-WAY. ALL COSTS ASSOCIATED WITH PERMIT ACQUISITION SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.

24. CONTRACTOR IS RESPONSIBLE TO ENSURE POSITIVE DRAINAGE ALONG ALL ROADWAYS TO BE RESURFACED. THE CONTRACTOR SHALL PROVIDE ELEVATIONS AT ALL DEPRESSED CURB LOCATIONS ASSOCIATED WITH THE ADA RAMPS TO ENSURE POSITIVE DRAINAGE ADJACENT TO THE RAMP AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. SEPARATE PAYMENT WILL NOT BE MADE FOR PROVIDING PROPOSED ELEVATIONS BUT ALL COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

25. THE CONTRACTOR SHALL REMOVE, RESET OR REPLACE ALL ROOF DRAINS FROM THE CURB/GUTTER LINE TO THE RIGHT-OF-WAY LINE DISTURBED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. SEPARATE PAYMENT WILL NOT BE MADE BUT SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

26. THE ELECTRONIC VERSION OF THE 2019 NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EFFECTIVE SEPTEMBER 1, 2019, AS REFERENCED IN BASELINE DOCUMENT CHANGE ANNOUNCEMENT BDC19S-01, UNLESS MODIFIED WITHIN THE TECHNICAL SPECIFICATIONS OF THIS CONTRACT, SHALL GOVERN.

27. CONTRACTOR SHALL RESTORE ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION (I.E. MAILBOXES, IRRIGATION SYSTEMS, LANDSCAPING, ETC.). ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING SITE.

28. THE CONTRACTOR SHALL ANTICIPATE GROUND WATER INFILTRATION INTO ALL OF THE COMBINED SEWER/STORM SEWER PIPES, INLETS AND MANHOLES WHEN PERFORMING THE VARIOUS TASKS ASSOCIATED WITH THIS PROJECT. ALL COSTS ASSOCIATED WITH THE TEMPORARY BYPASS PUMPING AND OR Dewatering SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROPOSAL.

29. ALL UTILITY WORK SHALL BE CONSTRUCTED TO ALLOW UNINTERRUPTED SERVICE TO ADJACENT PROPERTIES.

30. EXISTING WATER MAIN, SANITARY SEWER, GAS MAIN STORM SEWER AND ALL OTHER UTILITIES SHALL BE FULLY SUPPORTED AND MAINTAINED DURING INSTALLATION OF THE PROPOSED UTILITY WORK, SERVICES AND LATERALS.

31. THE TRENCH LIMIT OF DISTURBANCE WITHIN THE ASPHALT ROADWAY SHALL BE LIMITED TO A 4' WIDTH PER UTILITY TRENCH. THE LAY DOWN AREA FOR THE EXCAVATED MATERIAL SHALL BE IMMEDIATELY ADJACENT TO THE TRENCH AND SHALL BE ISOLATED TO THE ASPHALT ROADWAY. TRENCH SHALL BE BACKFILLED AT THE END OF EACH DAY. ALL BASE PAVING SHALL BE COMPLETED EACH FRIDAY FOR ALL WORK COMPLETED THAT WEEK.

32. THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE PAVED CARTWAY FREE AND CLEAR OF SEDIMENT EACH DAY THE WORK PROGRESSES AND AS OFTEN AS NECESSARY TO KEEP A CLEAN BROOM SWEEP CONDITION AND OR AS DIRECTED BE THE ENGINEER.

33. THE ELEVATION OF THE EXISTING WATER MAIN AS DEPICTED ON THE DRAWINGS IS ASSUMED. CONTRACTOR SHALL CONFIRM ELEVATION OF EXISTING WATER MAIN AND LOCATION OF ALL SERVICE CONNECTION DURING CONSTRUCTION.

34. IF REQUIRED, PROVIDE A SEPARATE TRAFFIC CONTROL/DETUR PLAN FOR WORK IN EACH ROAD SEGMENT AND INTERSECTION. ALL PLANS SHALL BE APPROVED BY OWNER AND COUNTY (FOR ANY WORK IN COUNTY R.O.W.) PRIOR TO IMPLEMENTATION.

35. ALL UTILITY CROSSINGS/OFFSETS SHALL INCLUDE COMPAKTED STABILIZATION MATERIAL FOR FULL LENGTH OF CROSSING.

36. INSTALLATION OF ALL SANITARY SEWER AND MANHOLES SHALL INCLUDE TEMPORARY BY-PASS PUMPING. ALL COSTS ASSOCIATED WITH THE TEMPORARY PUMPING SHALL BE INCLUDED IN THE VARIOUS LINE ITEMS TO INSTALL SAID MATERIALS, COMPLETE.

37. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION, ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

38. SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION, Dewatering, FITTINGS, PIPE BEDDING, SHEETING, BRACING, SHORING, INLET CONNECTIONS, TRAPS, AND SUITABLE BACKFILL MATERIAL INVOLVED IN ALL PIPE AND ASSOCIATED STRUCTURES REMOVAL, RECONSTRUCTION AND INSTALLATION, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL REGARDLESS OF DEPTH.

39. THE CONTRACTOR SHALL EXERCISE PARTICULAR CARE, ESPECIALLY AT INTERSECTIONS AND GUTTER LINES, IN MILLING AND CONSTRUCTION OF PAVEMENT TO PROVIDE POSITIVE FLOWING STORMWATER. ANY AREAS WHERE WATER IS IMPOUNDED SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.

40. ALL WORK TO BE COORDINATED WITH SEPARATE CONTRACTORS FOR ONGOING WORK IN AREAS SURROUNDING THE SITES.

41. ALL PEDESTRIAN ACCESS TO SIDEWALKS AND STREETS, INCLUDING CROSSWALKS, CURB RAMP, STREET FURNISHINGS, PEDESTRIAN SIGNALS, PARKING AND OTHER COMPONENTS OF PEDESTRIAN ACCESS PROPOSED IN THE RIGHT-OF-WAY ARE TO BE IN ACCORDANCE WITH ADA & ABA ACCESSIBILITY GUIDELINES AND THE CURRENT PUBLIC RIGHTS-OF-WAY GUIDELINES PROPOSED BY THE ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD (ACCESS BOARD).

42. INLETS, AND ALL OTHER UTILITY ACCESS PANELS AND VAULTS, SHALL NOT BE LOCATED WITHIN PUBLIC SIDEWALK CURB RAMPS. CONTRACTOR SHALL ADJUST CURB RAMP LOCATIONS IN THE FIELD WITH THE APPROVAL OF THE ENGINEER TO ACCOMMODATE RECENT UTILITY RELOCATIONS.

43. PAYMENT FOR OBSTRUCTION REMOVAL SUCH AS TREE ROOTS AND EXISTING INFRASTRUCTURE WHICH MAY INTERFERE WITH THE PROPOSED CONSTRUCTION, SHALL BE INCLUDED IN THE ITEM "CLEARING SITE".

44. CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL DAMAGED AND NON-REFLECTIVE STREET NAME, REGULATION AND WARNING SIGNS PER M.U.T.C.D. STANDARDS TO BE PAID FOR UNDER REGULATORY AND WARNING SIGN (IF & WHERE DIRECTED) AND GUIDE SIGN, TYPE GA, BREAKAWAY SUPPORTS (IF & WHERE DIRECTED).

45. A MINIMUM OF ONE (1) FOOT OF PAVING SHALL BE REMOVED AROUND THE PERIMETER OF ALL MANHOLE AND INLET CASTINGS TO ENSURE A MINIMUM OF TWO (2) INCHES OF SURFACE COURSE IS PROVIDED AROUND THEM. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "HOT MIX ASPHALT 12.5M64 SURFACE COURSE".

46. SEPARATE PAYMENT FOR THE RESETTING OR EXTENSION, AND REPLACEMENT OF EXISTING ROOF DRAINS OR SUMP PUMP DRAINS, AS REQUIRED, WILL NOT BE MADE BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

47. SEPARATE PAYMENT WILL NOT BE MADE FOR RESETTING EXISTING UTILITY METERS, VALVE BOXES, VENTS, CLEANOUTS AND SPRINKLER HEADS REQUIRED FOR THE CONSTRUCTION BEYOND THE ROADWAY CARTWAY. HOWEVER, ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.

48. ALL TREE REMOVALS ARE TO BE VERIFIED BY THE ENGINEER PRIOR TO REMOVAL. ALL TREE PLANTINGS ARE APPROXIMATE WITH FINAL LOCATIONS TO BE ESTABLISHED IN THE FIELD.

49. THE CONTRACTOR SHALL UTILIZE A QUALIFIED ARBORIST FOR ALL TREE TRIMMINGS.

50. INLET SEDIMENT PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS AND CATCH BASINS SHOWN ON THE PLANS.

51. ALL INLETS SHALL HAVE TRAPS SUITABLE FOR PREVENTING FLOATING DEBRIS FROM ENTERING THE SEWER LINE AND FOR CREATING AN EFFECTIVE WATER SEAL.

52. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE SUMMIT POLICE DEPARTMENT 72 HOURS PRIOR TO THE START OF ANY WORK AND SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITHIN 30 DAYS OF THE DAY THE PROJECT IS AWARDED TO CONTRACTOR.

53. NO SEPARATE PAYMENT SHALL BE MADE FOR FLAGGERS. ALL COSTS FOR FLAGGERS SHALL BE INCLUDED IN VARIOUS ITEMS IN THE BID PROPOSAL.

54. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL AND MAINTAIN DENSE GRADED AGGREGATE OR HOT MIX ASPHALT TO PROVIDE A RIDING SURFACE FOR VEHICLE ACCESS TO EACH PROPERTY. NO SEPARATE PAYMENT SHALL BE MADE FOR MAINTAINING ACCESS TO DRIVEWAYS. ALL DRIVEWAY ACCESS COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROJECT.

55. THE ROAD IS TO BE PROOF ROLLED AFTER MILLING IS COMPLETED BUT BEFORE FINAL PAVING. PROOF ROLLING MUST BE COMPLETED WITH A LOADED DUMP TRUCK IN THE PRESENCE OF THE ENGINEER OR PROJECT INSPECTOR. ALL COSTS ASSOCIATED WITH PROOF ROLLING SHALL BE INCLUDED IN BID ITEM FOR MILLING.

56. THE CONTRACTOR SHALL LEAVE THE MILLED ROAD UNPAVED FOR AT LEAST 48 HOURS AND SHALL PROOF ROLL PRIOR TO PAVING. THE CONTRACTOR SHALL INSTALL HOT MIX ASPHALT BASE COURSE AS A TEMPORARY SURFACE IN AREAS DEEMED NECESSARY BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR TEMPORARY PAVEMENT. ALL TEMPORARY PAVEMENT COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROJECT.

57. ALLOWABLE HOURS OF WORK ARE 8:00 AM TO 4:30 PM. THE CONTRACTOR SHALL MAKE PROVISIONS FOR MATERIAL AND EQUIPMENT STORAGE. THE CONTRACTOR SHALL COORDINATE THE STORAGE OF MATERIAL AND EQUIPMENT WITH THE ENGINEER AND THE POLICE DEPARTMENT. ALL COSTS FOR MATERIAL AND EQUIPMENT STORAGE SHALL BE INCLUDED IN THE BID ITEM "MOBILIZATION".

58. ALL TRAFFIC CONTROL AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. AND MUNICIPAL TRAFFIC ORDINANCES. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE POLICE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. TRAFFIC CONTROL PLANS SHALL INCLUDE AT A MINIMUM, THE FOLLOWING SITUATIONS: 1)ROAD CLOSED, 2)LANE CLOSED, SHOULDER CLOSED. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL ON THE PROJECT. ALL REQUESTS FOR POLICE SERVICE FROM THE CITY SHALL BE SUBMITTED 72 HOURS BEFORE BEGINNING CONSTRUCTION OPERATIONS THAT REQUIRE POLICE SERVICES. CONTRACTOR MUST NOTIFY POLICE DEPARTMENT OF CANCELLATIONS 24 HOURS IN ADVANCE OR WILL BE SOLELY RESPONSIBLE FOR A MINIMUM CHARGE OF (4) HOURS. THE CITY OF SUMMIT WILL PAY THE COST OF POLICE SERVICES DIRECTLY TO THE OFFICERS HIRED FOR THE SCHEDULED TIMES.

59. NO HOUSE LEADER DRAINS ARE TO BE INSTALLED UNDER DRIVEWAY APRONS OR THROUGH DROP CURBS. ANY COST ASSOCIATED WITH THE RECONSTRUCTION OR EXTENDING OF EXISTING CURB DAYLIGHTS SHALL BE INCLUDED IN THE BID ITEM FOR "GRANITE CURB".

60. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL UTILITIES TO RAISE OR LOWER MANHOLES, METERS, VALVES, ETC. TO GRADE AS WORK PROGRESSES. ALL COSTS FOR COORDINATION WITH UTILITY COMPANIES SHALL BE INCLUDED IN THE BID ITEM "UTILITY COORDINATION". THE LOCATIONS OF SUBSURFACE UTILITIES ARE APPROXIMATE AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES. THE CONTRACTOR IS RESPONSIBLE TO CALL FOR A MARK OUT OF UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.

61. THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT/RESTORATION OF ANY SIDEWALK, CURB OR PAVEMENT WHICH IS DAMAGED DURING CONSTRUCTION. ALL REPLACEMENT/RESTORATION MUST BE COMPLETED BEFORE ACCEPTANCE OF THE PROJECT BY THE CITY AT AN ADDITIONAL COST.

62. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL TREES WITHIN THE PROJECT DURING CONSTRUCTION, UNLESS OTHERWISE NOTED HEREIN. DAMAGE TO EXISTING TREES WILL BE EVALUATED BY THE CITY FORESTER. THE PROJECT SPECIFICATIONS IMPOSES A PENALTY OF \$500 PER INCIDENT OF DAMAGE TO ANY TREE. ALL COSTS RELATED TO TREE PROTECTION ARE TO BE INCLUDED IN THE BID ITEM "MOBILIZATION". ANY EXISTING TREES WHICH ARE COMPROMISED DURING EXCAVATION FOR CURB INSTALLATION SHALL BE EVALUATED BY THE CITY FORESTER, AND IF DEEMED APPROPRIATE, SHALL BE REMOVED BY THE CONTRACTOR.

63. THE CONTRACTOR IS RESPONSIBLE TO REPLACE/RESET ANY SPRINKLERS AND DOG FENCING DAMAGED/DISTURBED DURING CONSTRUCTION. THE COST FOR REPAIR/RESETTING SPRINKLERS AND DOG FENCING SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PROPERTY OWNERS FOR THE LOCATION OF THE SPRINKLERS AND DOG FENCES PRIOR TO THE START OF WORK.

64. ALL COSTS ASSOCIATED WITH THE RESETTING OR REPLACEMENT OF ANY WALKWAYS OR DRIVEWAY APRONS CONSTRUCTED OF GRANITE BLOCK, BRICK, BRICK PAVERS, STONE, SLATE, ETC. SHALL BE INCLUDED IN THE BID ITEM FOR "CONCRETE SIDEWALK." NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION,

RECONSTRUCTION OR RESETTING OF CURB ALONG THE SIDES OF A DRIVEWAY LEADING TO THE SIDEWALK WHERE CURBING CURRENTLY EXISTS.

65. NO SEPARATE PAYMENT SHALL BE MADE FOR THE EXCAVATION OF UNCLASSIFIED MATERIAL BEHIND THE CURB. ALL COSTS ASSOCIATED WITH THE REMOVAL OF ANY EXISTING MATERIAL BEHIND THE PROPOSED CURB SHALL BE INCLUDED IN THE BID ITEM "GRANITE BLOCK CURB".

66. NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES. ALL COSTS ARE TO BE INCLUDED IN THE BID ITEM "MOBILIZATION". INLET FILTERS SHALL BE INSTALLED AT ALL EXISTING OR NEW CATCH BASINS AND SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED AND THE SURFACE COURSE IS INSTALLED. ALL COSTS ASSOCIATED WITH INLET PROTECTION SHALL BE INCLUDED IN THE BID ITEM "INLET FILTERS, TYPE 2".

67. SHOP DRAWINGS ARE TO BE SUBMITTED AT A MINIMUM OF THREE (3) WEEKS PRIOR TO CONSTRUCTION FOR ALL PROPOSED DRAINAGE STRUCTURES, SIGNS & POSTS, ANY CONCRETE FOOTINGS. ALL DRAINAGE STRUCTURES AND FOOTINGS MUST BE DESIGNED BY A NEW JERSEY PROFESSIONAL ENGINEER. ALL SHOP DRAWINGS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.

68. SITE SURVEY PROVIDED BY STONEFIELD ENGINEERING & DESIGN [(201) 340-4468].

69. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION FOR THE IMPROVEMENTS SHOWN SHALL BE IN ACCORDANCE WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019" AND ALL APPLICABLE AMENDMENTS.

70. ALL REGULATORY, WARNING, AND GUIDE SIGNS, AS WELL AS STREET NAME SIGNAGE, WITHIN PROJECT LIMITS ARE TO BE REPLACED WITH NEW PLAQUES AND POSTS, UNLESS NOTED OTHERWISE.

71. ANY PROPOSED PAVEMENT THICKNESS NOTED HEREIN SHALL BE POST-COMPACTION, UNLESS OTHERWISE NOTED.

72. ANY AND ALL PROPOSED CURB RAMPS MUST MEET CURRENT ADA AND NJDOT STANDARDS. ANY EXISTING NON-COMFORMING CURB RAMPS MUST BE BROUGHT TO CONFORMANCE.

#### ENVIRONMENTAL COMMITMENTS:

1. IMPLEMENT SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
2. IMPLEMENT STANDARD MEASURE FOR CONSTRUCTION RELATED NOISE AND AIR QUALITY IMPACT CONTROLS.
3. BEST MANAGEMENT PRACTICE WILL BE UTILIZED DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING STORM WATER INLETS AND ENVIRONMENTALLY SENSITIVE AREAS.
4. CONSTRUCTION STAGING ACTIVITIES (INCLUDING STORAGE OF EQUIPMENT, VEHICLES AND MATERIALS) ARE PROHIBITED IN THE ENVIRONMENTALLY SENSITIVE AREA OR GREEN ACRES ENCUMBERED PROPERTIES.
5. IF CONTACT WITH THE NORTHERN LONG-EARED BAT IS MADE DURING MAINTENANCE OPERATION, CONSULTATION WITH USFWS AND BEPR WILL BE REQUIRED.

#### BASE BID

DESCRIPTION	UNITS	PLAN QUANTITY		BID QUANTITY
		PLAN	As Directed	
1 Inlet Filter, Type 2, 4' x 4'	UN	7	0	7
2 Slit Fence	LF	4,000	0	4,000
3 Traffic Cones	UN	80	0	80
4 Drums	UN	80	0	80
5 Construction Signs	SF	112	0	112
6 Mobilization	LS	1	0	1
7 Utility Coordination	LS	1	0	1
8 Asphalt Adjustment	Dollar	4,000	0	4,000
9 Fuel Adjustment	Dollar	4,000	0	4,000
10 Clearing Site	LS	1	-	1
11 HMA Milling, 2" Average Depth	SY	6,186	0	6,186
12 Hot Mix Asphalt, Mix 9.5M64 Surface Course, 2" Thick	TNS	725	0	725
13 Base Repair (As Directed)	SY	0	929	929
14 Tack Coat	GAL	619	0	619
15 Polymerized Joint Adhesive	LF	205	0	205
16 Granite Block Curb complete with all items per plan detail	LF	130	590	720
17 Concrete Sidewalk, 4" Thick complete with all items per plan detail	SY	165	0	165
18 Driveway Repair (As Directed)	SY	0	50	50
19 Detectable Warning Surface	SY	12	0	12
20 Remove & Replace 8" HDPE Sewer Main (Including Sewer Lateral Connections)	LF	1,725	0	1,725
21 Replace Existing Inlet Grates with Bicycle Safe Grates	UN	7	0	7
22 Replace Existing Type 'B' Inlet Head piece with Type 'N' Eco headpiece	UN	7	0	7
23 Remove & Replace 4' Diameter Sanitary Manhole	UN	11	0	11
24 Street Signs	UN	5	0	5
25 Traffic Stripings, Thermoplastic	SF	500	0	500
26 Traffic Stripings 4" Wide, Reflective Epoxy, Yellow	LF	410	0	410
27 Traffic Stripings 4" Wide, Reflective Epoxy, White	LF	130	0	130
28 Topsoil, Seed, Lime, & Fertilizer	SY	165	0	165
29 Regulatory Warning Signs	SF	48	0	48
30 Test Pits	CY	70	0	70
31 9" x 18" Concrete Curb complete with all items per plan detail	LF	180	0	180

#### Alternate A

DESCRIPTION	UNITS	PLAN QUANTITY		BID QUANTITY
Alternate Bid Items	As Directed			

</

# STANDARD LEGEND

## **NOTE: ALL SYMBOLS MAY NOT BE USED**



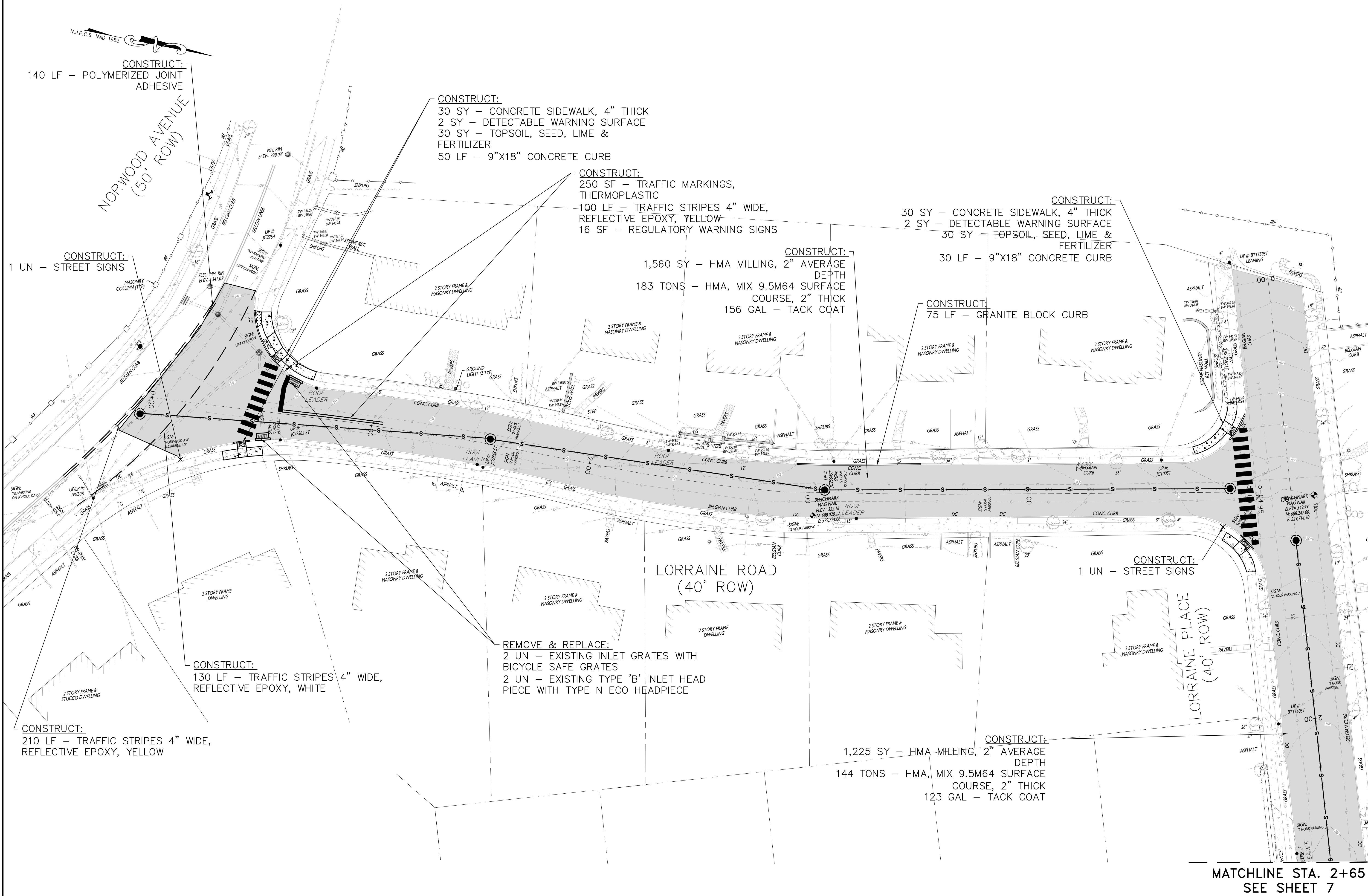
Signature

DATE: 9/18/25  
TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 33773DATE: 9/18/25  
MOSTAFA RAZZAGHMANESH  
NJ PROFESSIONAL ENGINEER LIC. No. 56522PLANS WHICH DO NOT BEAR  
AN EMBOSSED SEAL ARE NOT VALID.ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK  
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& VERNICK ENGINEERS AND AFFILIATES; AND OWNER  
SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON &  
VERNICK ENGINEERS AND AFFILIATES FOR ALL  
DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR  
RESULTING THEREFROM.

1	REISSUED FOR REBID	9/18/25	5SC1WD
		DATE	BY C/H

CONSTRUCTION PLAN			
CITY OF SUMMIT LORRAINE ROAD, LORRAINE PLACE NEW JERSEY			
UNION COUNTY			
CITY OF SUMMIT SHERMAN AVENUE ROAD IMPROVEMENTS NEW JERSEY			
CITY OF SUMMIT LORRAINE ROAD, LORRAINE PLACE NEW JERSEY			

DRAWN BY	DESIGNED BY	CHECKED BY	SCALE
DRB	JF	TV	AS NOTED
DATE:			
03-17-2024			
JOB No.:			
2018-T-009			
SHEET No.:			



*Sign 9/18/25*  
DATE: 9/18/25  
**TERENCE M. VOGT**  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

DATE: 9/18/25  
**MOSTAFA RAZZAGHMANESH**  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

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HOLDEN OUT AS BEING DRAWN TO A PRECISE SCALE.  
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WITH OWNERS FULL UNDERSTANDING. REMINGTON &  
VERNICK ENGINEERS AND AFFILIATES, AND OWNER  
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1	REISSUED FOR REBID	9/18/25	56522	DATE BY CIR

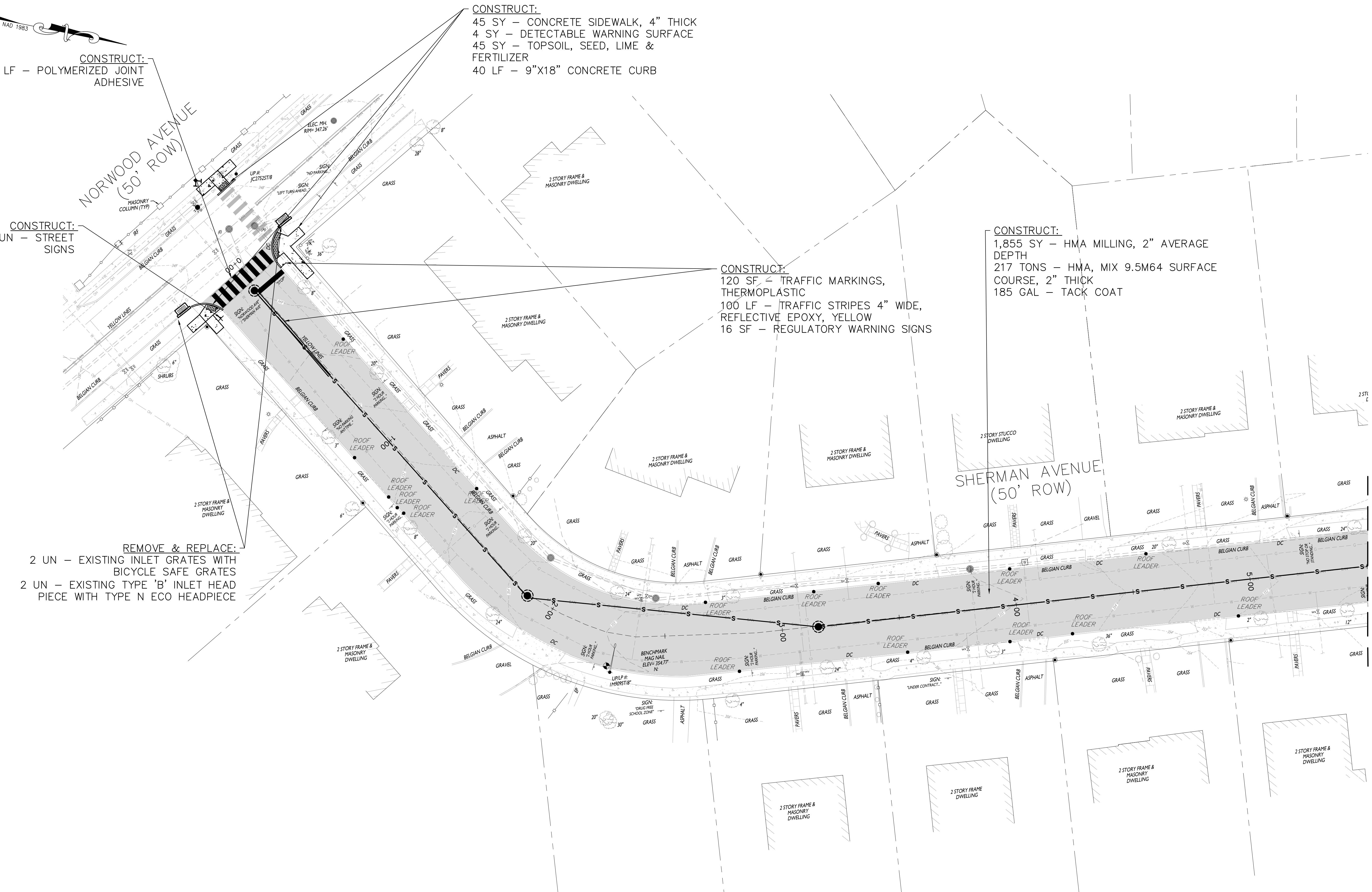
CONSTRUCTION PLAN				
CITY OF SUMMIT	LORRAINE ROAD, LORRAINE PLACE	NEW JERSEY		
UNION COUNTY	SHERMAN AVENUE ROAD IMPROVEMENTS			
CITY OF SUMMIT				

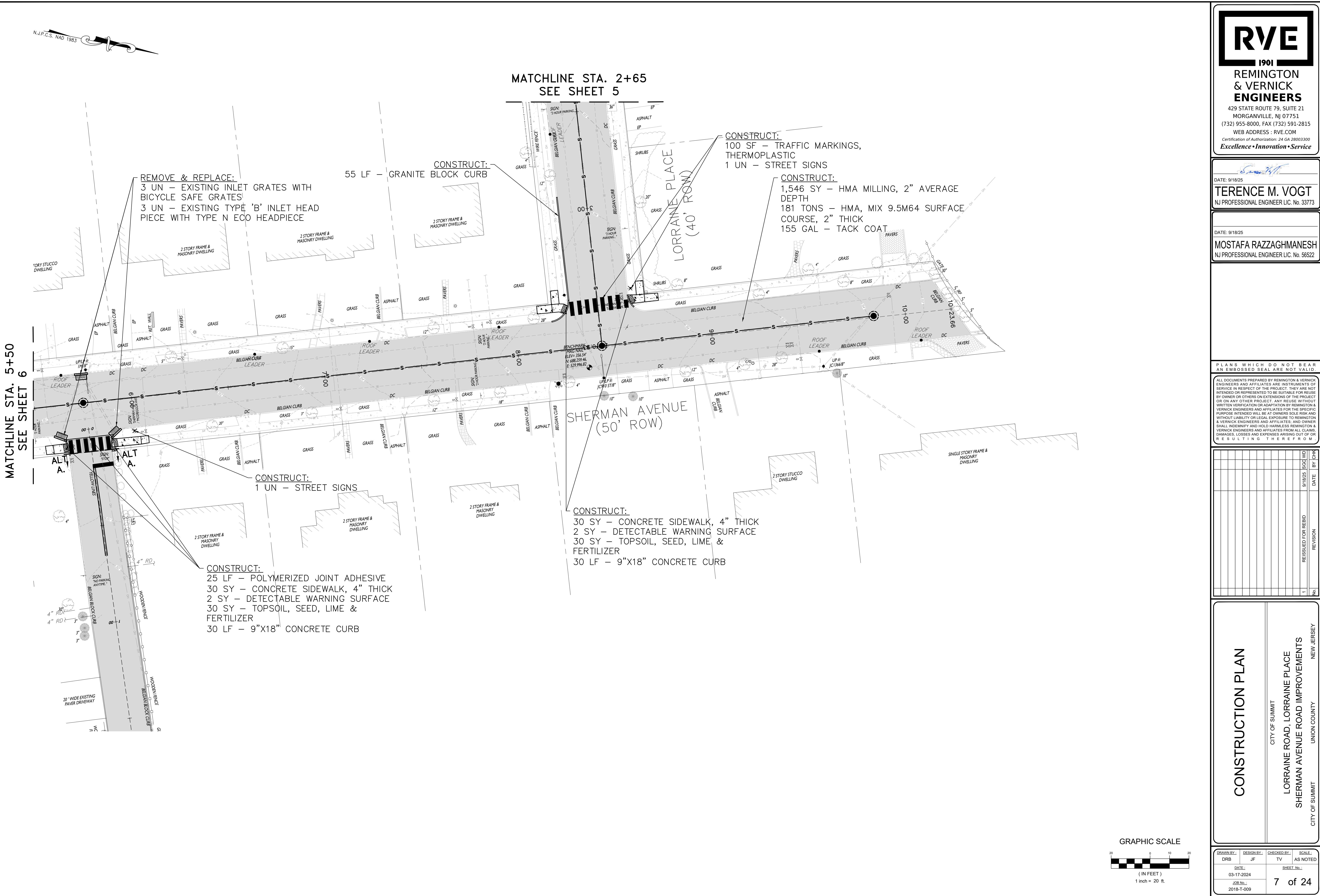
DRAWN BY:	DESIGNED BY:	CHECKED BY:	SCALE:
DRB	JF	TV	AS NOTED

03-17-2024

2018-T-009

6 of 24





N.J.P.C.S. NAD 1983

**RVE**  
1901

REMINGTON  
& VERNICK  
ENGINEERS

429 STATE ROUTE 79, SUITE 21  
MORGANVILLE, NJ 07751  
(732) 955-8000, FAX (732) 591-2815  
WEB ADDRESS : RVE.COM  
Certification of Authorization: 24 GA 28003-2000

TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 3373

DATE: 9/18/25  
MOSTAFA RAZZAGHMANESH  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

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RESULTING THEREFROM.

REISSUED FOR REBID	DATE BY CJKD
9/18/25	SSC/WD

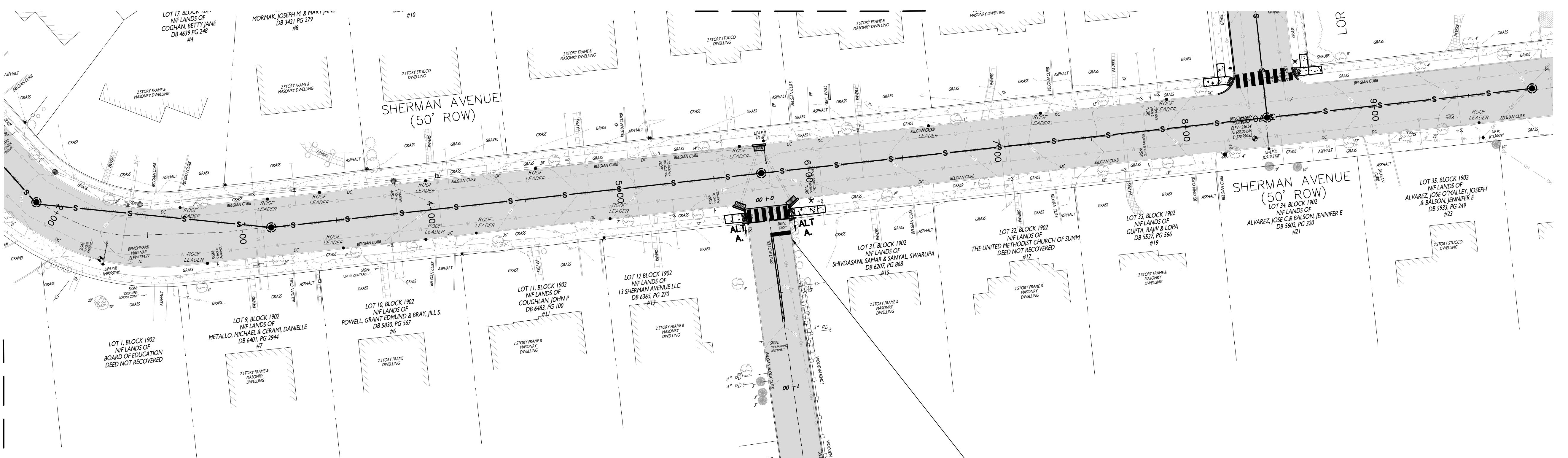
1	REVISION	DATE

## ALTERNATE A - CONSTRUCTION PLAN

CITY OF SUMMIT  
LORRANE ROAD, LORRAINE PLACE  
SHERMAN AVENUE ROAD IMPROVEMENTS  
NEW JERSEY  
UNION COUNTY

03-17-2024

8 of 24



**CONSTRUCT:**  
160 SF - TRAFFIC MARKINGS,  
THERMOPLASTIC  
200 LF - TRAFFIC STRIPES 4" WIDE,  
REFLECTIVE EPOXY, YELLOW  
32 SF - REGULATORY WARNING SIGNS

**MILL & PAVE:**  
1140 SY - HMA MILLING, 2" AVERAGE  
DEPTH  
134 TONS - HMA MIX 9.5M64 SURFACE  
COURSE, 2" THICK  
114 GAL - TACK COAT

BLOCK 1902  
LOT 1

BLOCK 1902  
LOT 14

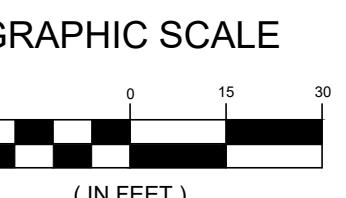
BLOCK 1902  
LOT 15

BLOCK 1902  
LOT 13

BLOCK 1902  
LOT 30

BLOCK 1902  
LOT 29  
BLOCK 1902  
LOT 28

**CONSTRUCT:**  
35 LF - POLYMERIZED JOINT ADHESIVE  
5 SY - CONCRETE SIDEWALK, 4" THICK  
15 SY - CONCRETE DRIVEWAY APRON,  
6" THICK  
2 SY - DETECTABLE WARNING SURFACE  
15 SY - TOPSOIL, SEED, LIME &  
FERTILIZER  
20 LF - 9"X18" CONCRETE CURB



(IN FEET)  
1 inch = 30 ft.

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
DRB	JF	TV	AS NOTED
DATE:			
03-17-2024			
SHEET No.:			
2018T-009			

8 of 24

## MANHOLE SCHEDULE

MANHOLE SCHEDULE					
MH NO.	DESCRIPTION	RIM EL.	INVERTS	STATIONING	ALIGNMENT
1.	4' DIAMETER SANITARY MANHOLE	342.55'	INV. (N): 333.37', INV. (W): 332.9', INV (E): 332.93'	STA. 0+00	LORRAINE ROAD
2.	4' DIAMETER SANITARY MANHOLE	347.40'	INV. (N): 337.60', INV.(S): 337.69'	STA. 1+54	LORRAINE ROAD
3.	4' DIAMETER SANITARY MANHOLE	352.43'	INV. (N): 339.18', INV. (S): 339.15'	STA. 3+07	LORRAINE ROAD
4.	4' DIAMETER SANITARY MANHOLE	349.97'	INV. (N): 340.73', INV. (S): 340.23'	STA. 4+91	LORRAINE ROAD
5.	4' DIAMETER SANITARY MANHOLE	351.11'	INV. (E): 348.62'	STA. 1+19	LORRAINE PLACE

*Signature*  
DATE: 9/18/25  
TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

DATE: 9/18/25  
MOSTAFA RAZZAGHMANESH  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

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9/18/25 56522  
DATE BY CIRK

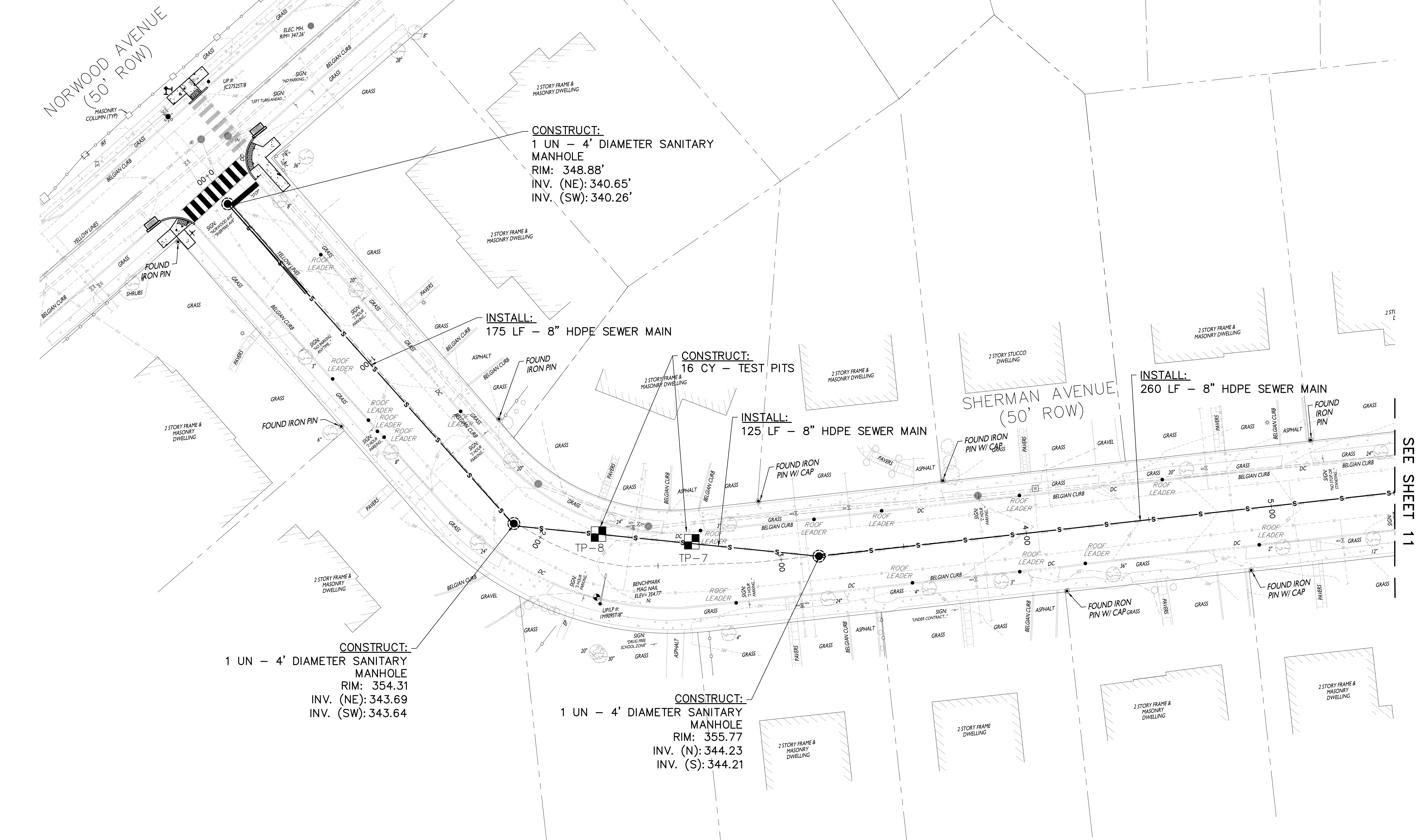
1  
REISSUED FOR REBID  
9/18/25 56522  
REVISION  
DATE

1  
CIRK  
9/18/25 56522  
DATE

UTILITY PLAN  
CITY OF SUMMIT  
LORRAINE ROAD, LORRAINE PLACE  
SHERMAN AVENUE ROAD IMPROVEMENTS  
NEW JERSEY  
UNION COUNTY  
CITY OF SUMMIT  
LORRAINE AVENUE  
CITY OF SUMMIT

DRB JF TV AS NOTED  
03-17-2024  
JOB No.: 2018-T-009  
SHEET No.: 10 of 24

DRAWN BY: DESIGN BY: CHECKED BY: SCALE:  
Zhang, Z. / Odekerken, S. / Odekerken, S. / 1 inch = 20 ft.  
DATE: 03-17-2024  
JOB No.: 2018-T-009  
SHEET No.: 10 of 24



MANHOLE SCHEDULE						
MH NO.	DESCRIPTION	RIM EL	INVERTS	STATIONING	ALIGNMENT	
11.	4' DIAMETER SANITARY MANHOLE	348.88'	INV. (NE) = 340.65', INV (SW) = 340.26'	STA. 0+14	SHERMAN AVENUE	
12.	4' DIAMETER SANITARY MANHOLE	354.31'	INV. (NE) = 343.69', INV (SW) = 343.64'	STA. 1+88	SHERMAN AVENUE	
13.	4' DIAMETER SANITARY MANHOLE	355.77'	INV. (N) = 344.23', INV. (S) = 344.21'	STA. 3+15	SHERMAN AVENUE	

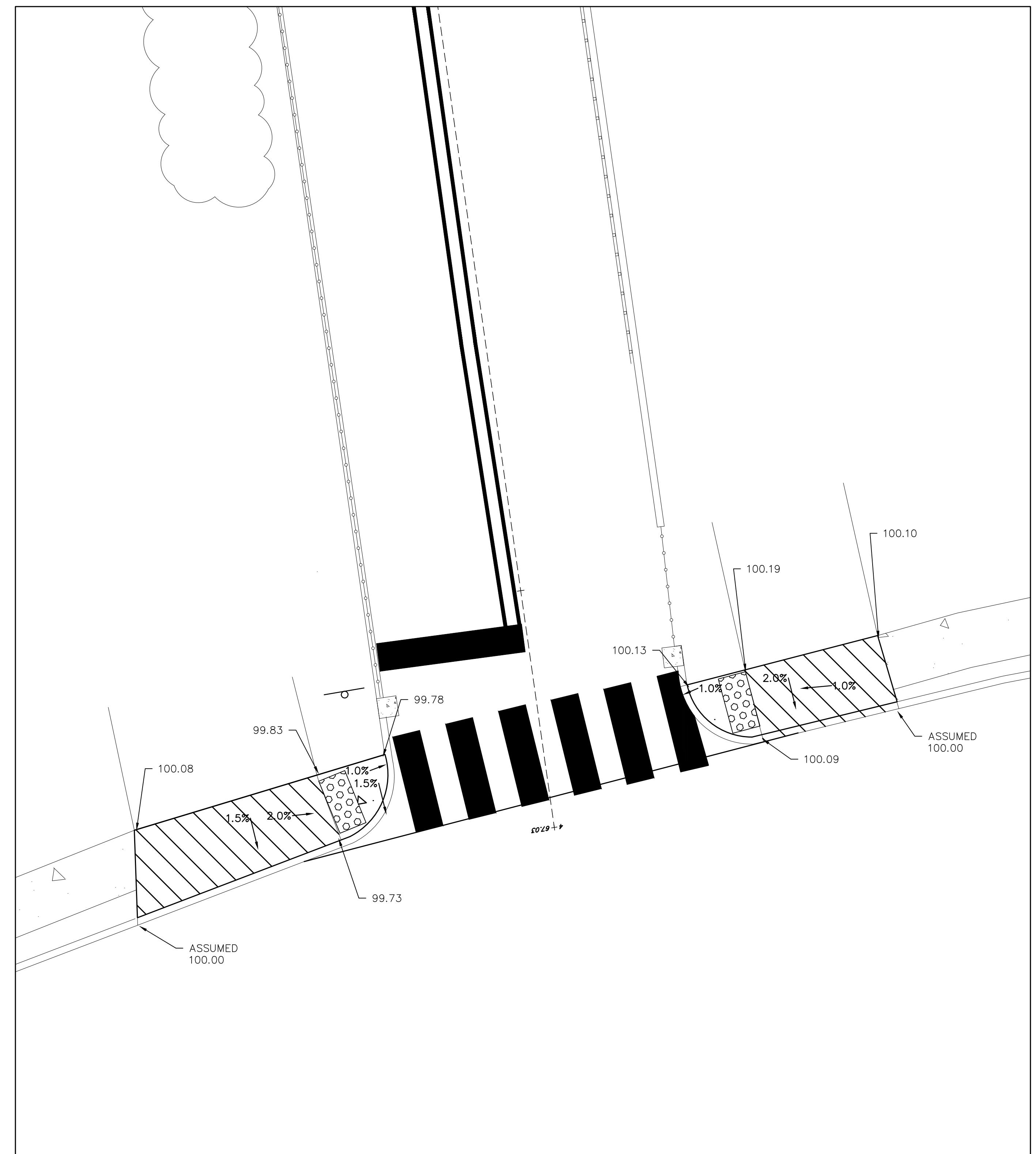
GRAPHIC SCALE  
0 10 20  
(IN FEET)  
1 inch = 20 ft.



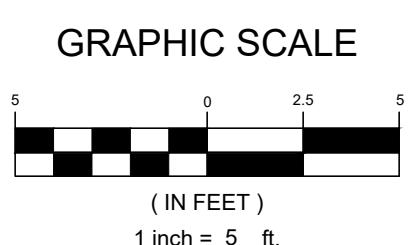








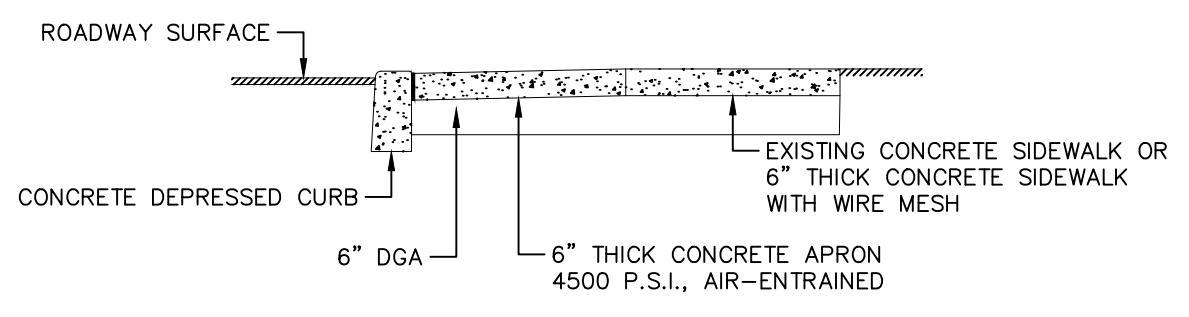
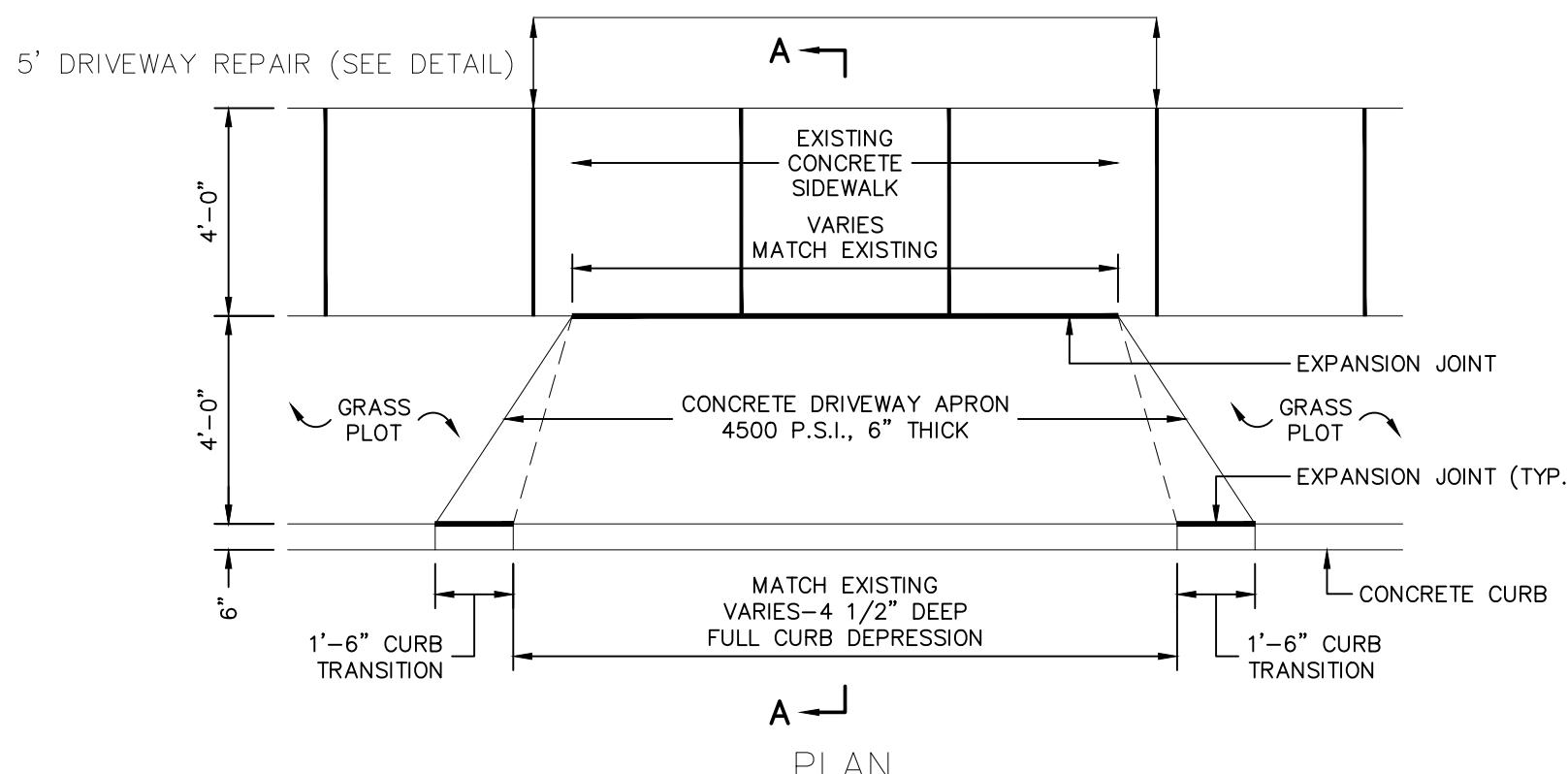
MCGREGOR ROAD & WOODMERE AVENUE RAMP DETAIL



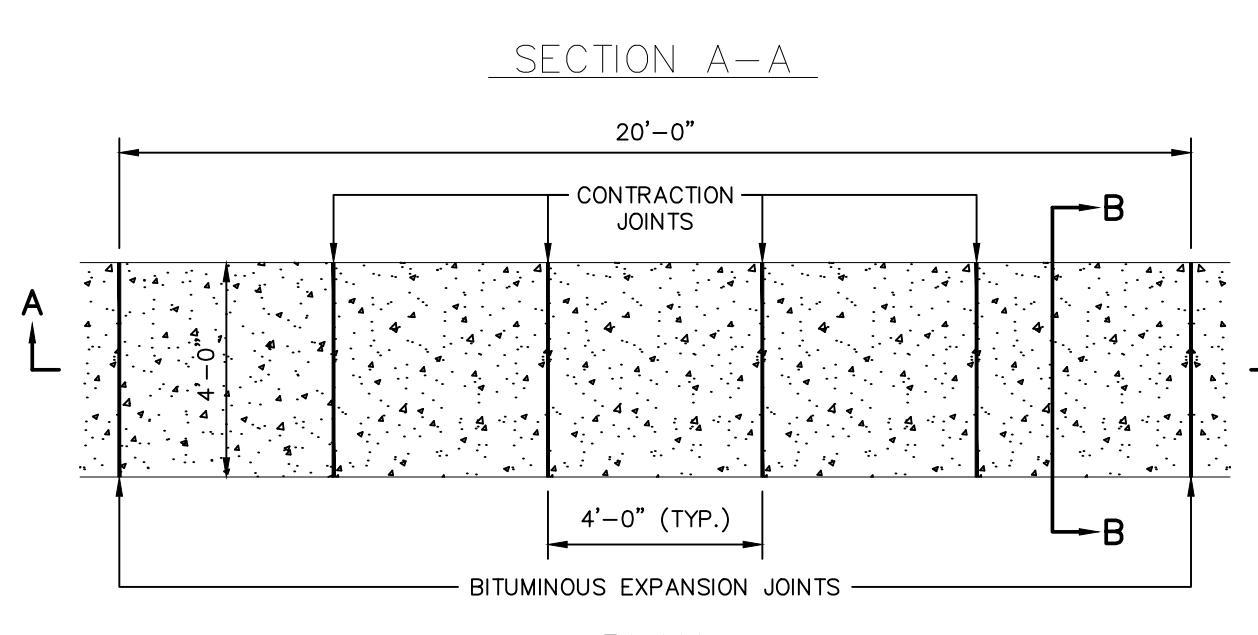
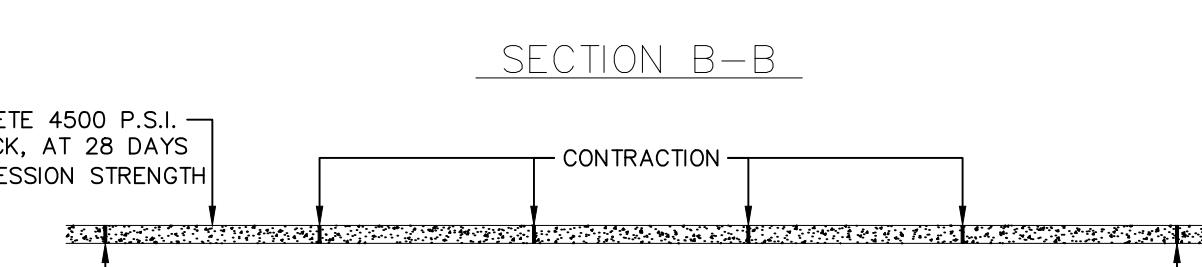
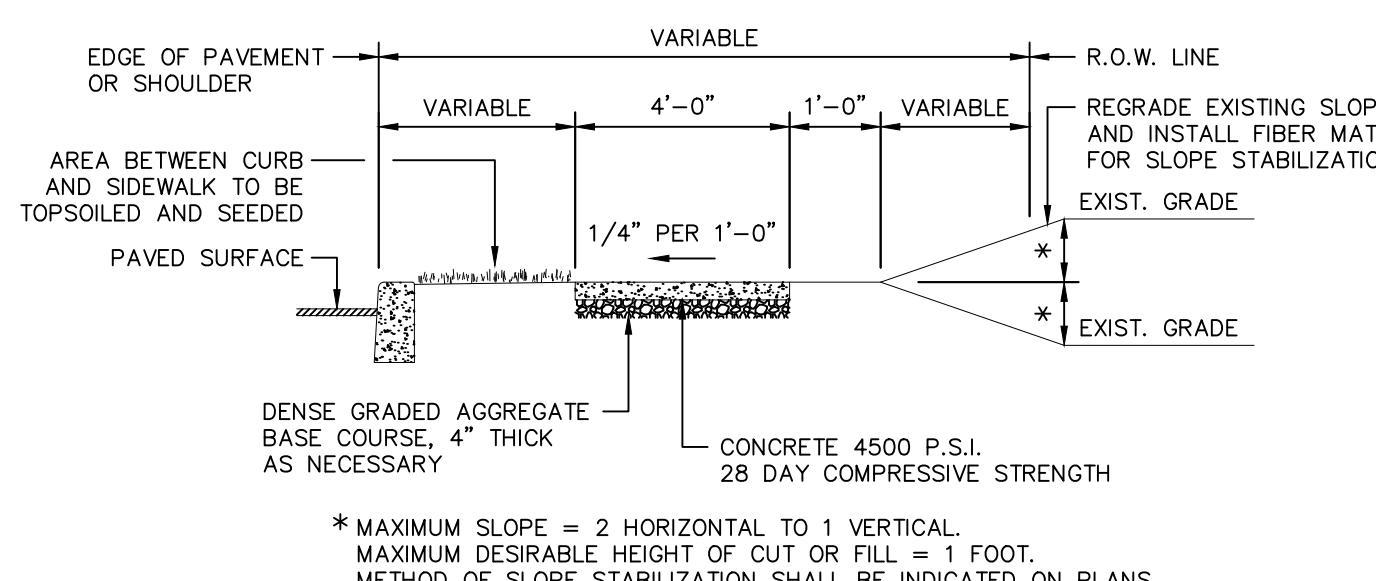
*Signature*  
DATE: 9/18/25

TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

DATE: 9/18/25  
MOSTAFA RAZZAGHMANESH  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

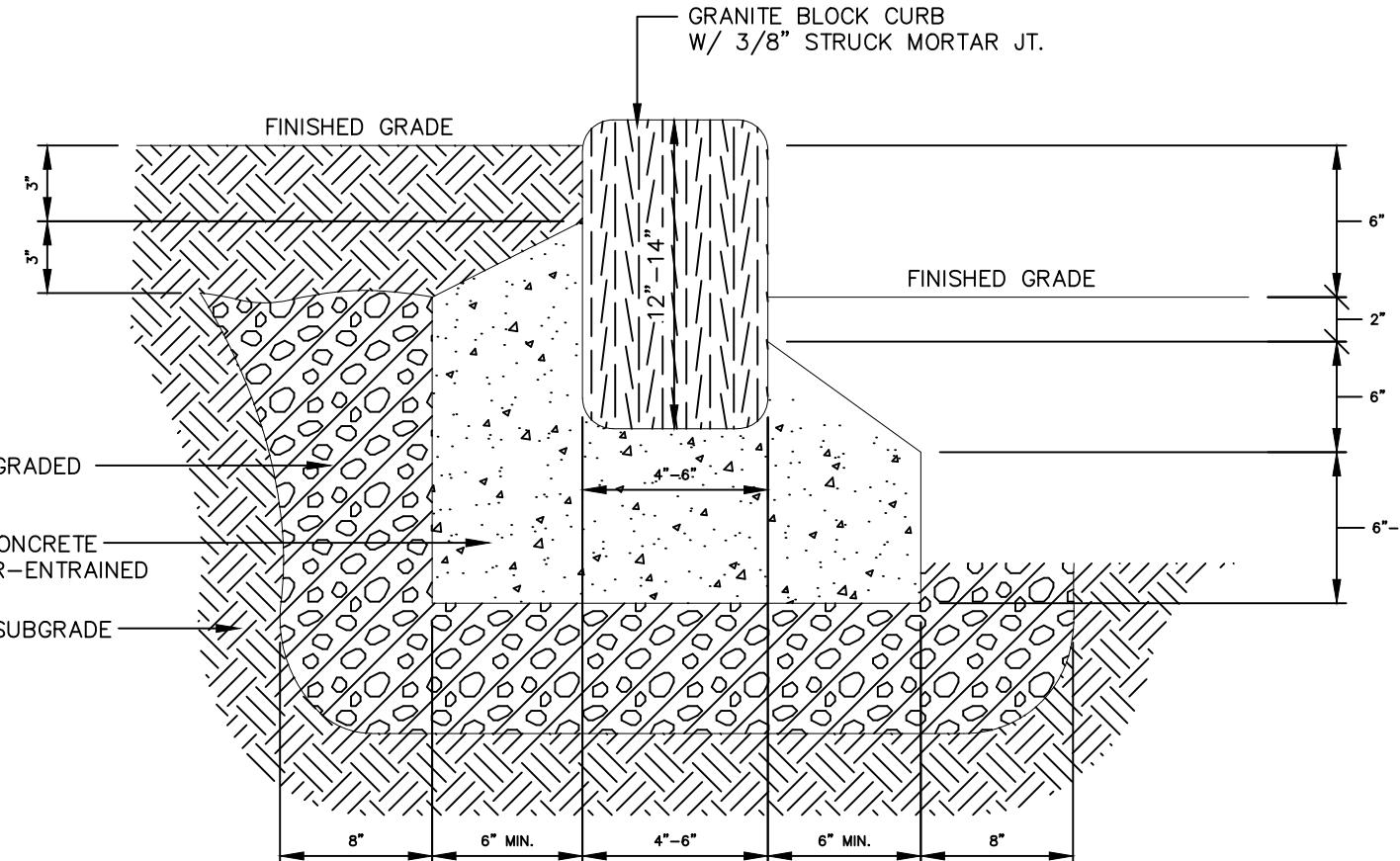


**DRIVEWAY APRON AND CURB DEPRESSION**  
(APPLICABLE WITH STANDARD CURB)  
N.T.S.  
DRIVEWAY REPAIR TO BE INCLUDED IN THE PRICE BID FOR DRIVEWAY APRONS



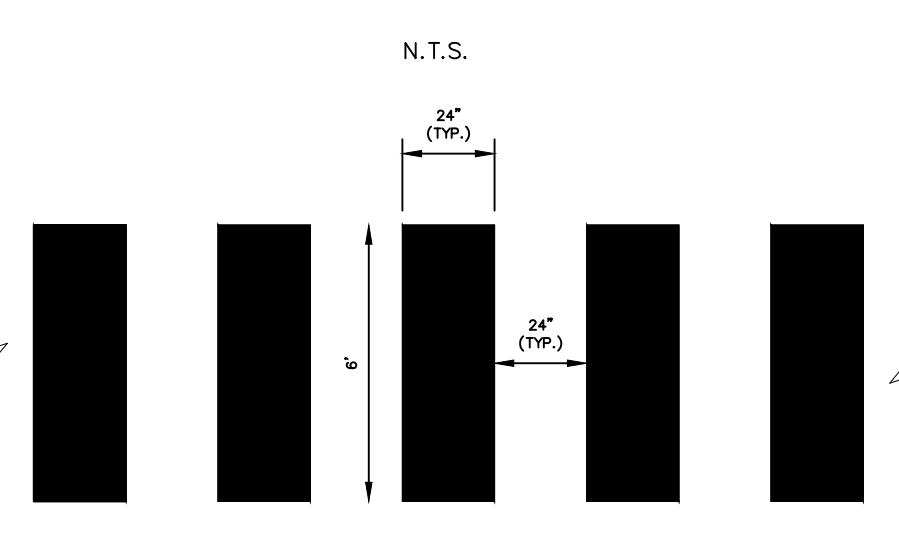
**NOTES:**  
1. THE COST OF THE DGA IS TO BE INCLUDED IN THE AMOUNT BID FOR SIDEWALK. NO ADDITIONAL PAYMENT WILL BE MADE FOR DGA USED FOR SIDEWALK CONSTRUCTION.  
2. A PREFORMED, BITUMINOUS EXPANSION JOINT, 1/2" THICK, 4" WIDE AND EXTENDED THE FULL WIDTH OF THE WALK, UNBROKEN, SHALL BE INSTALLED EVERY 4' FEET.  
3. CONTRACTION JOINTS SHALL BE INSTALLED EVERY 4' FOR THE FULL LENGTH OF THE WALK.  
4. THERE SHALL BE A BROOM FINISH WITH THE EDGES FINISHED WITH A SUITABLE TOOL.

**CONCRETE SIDEWALK DETAIL**  
N.T.S.

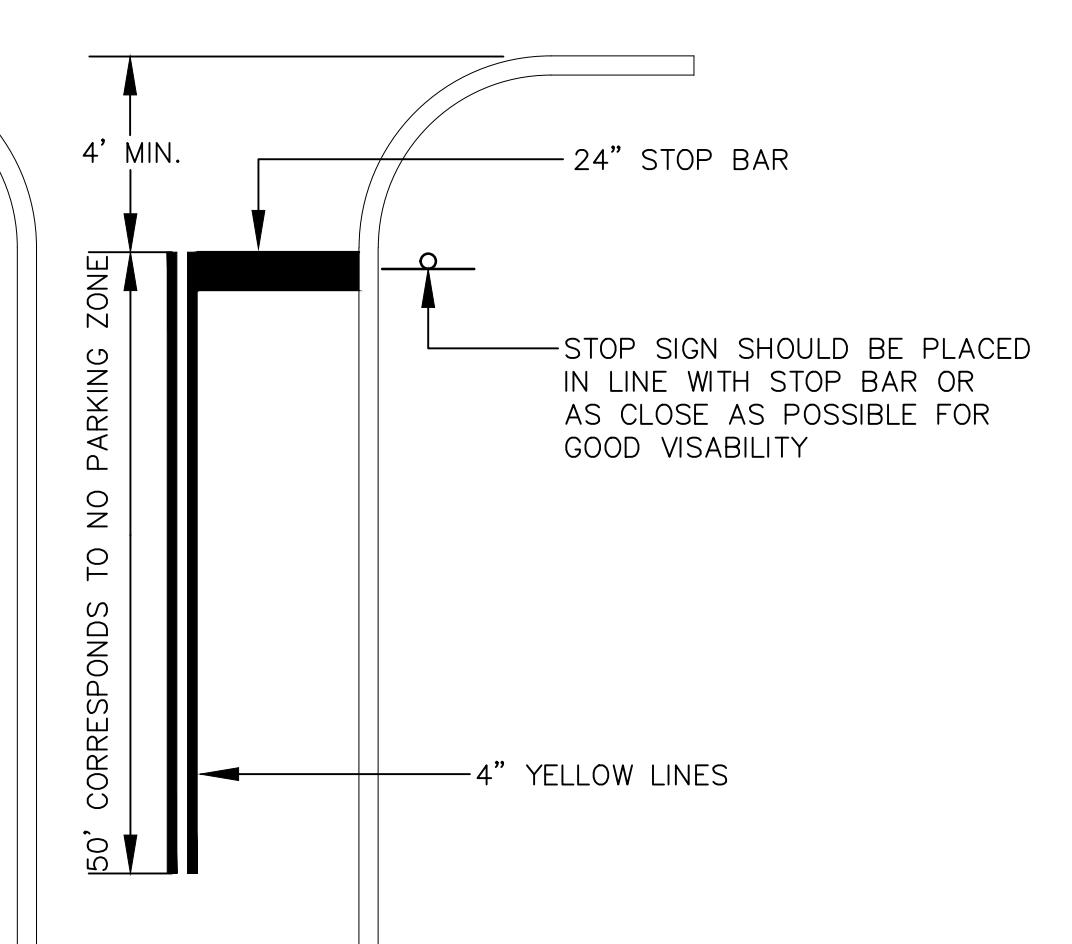


NOTES:  
1. ALL MATERIALS & WORKMANSHIP TO BE IN ACCORDANCE WITH N.J.D.O.T. STANDARDS.  
2. PROVIDE 1/2" PREFORMED EXPANSION JOINTS, TRIMMED, 30' O.C. AND AT P.C. & P.T. OF CURVES w/ 1/2" DEEP SEALANT.  
3. CARE SHALL BE TAKEN TO SELECT UNIFORM BELGIAN BLOCK WHERE WALK AND PAVING MEET CURB.

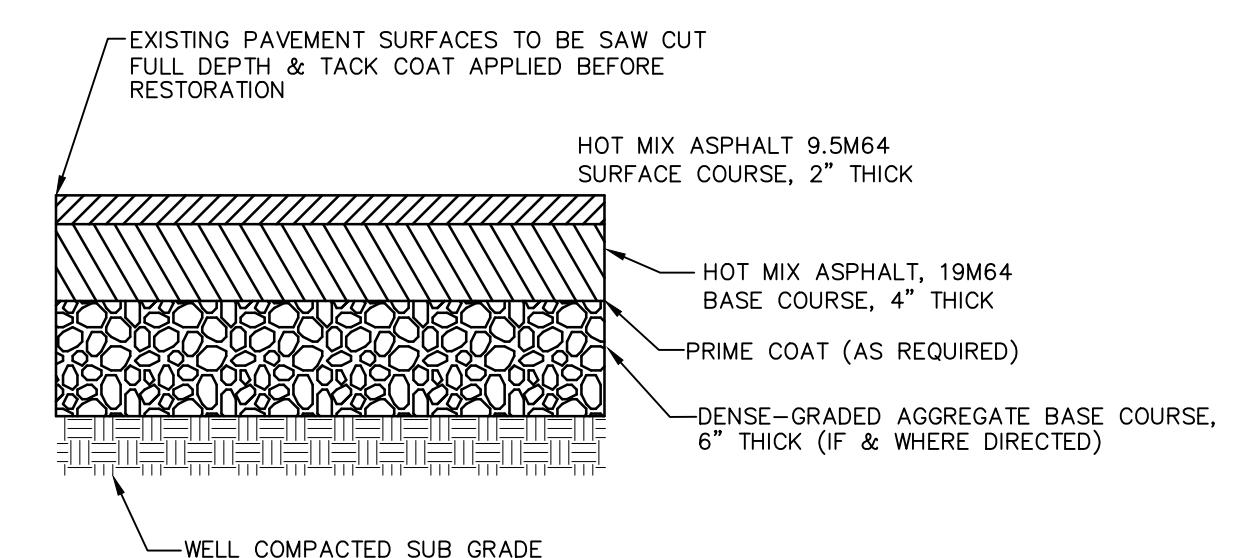
**GRANITE BLOCK CURB DETAIL**  
N.T.S.



**CROSSWALK DETAIL**  
N.T.S.  
NOTE:  
1. ALL STRIPING SHALL BE LONG LIFE THERMOPLASTIC.

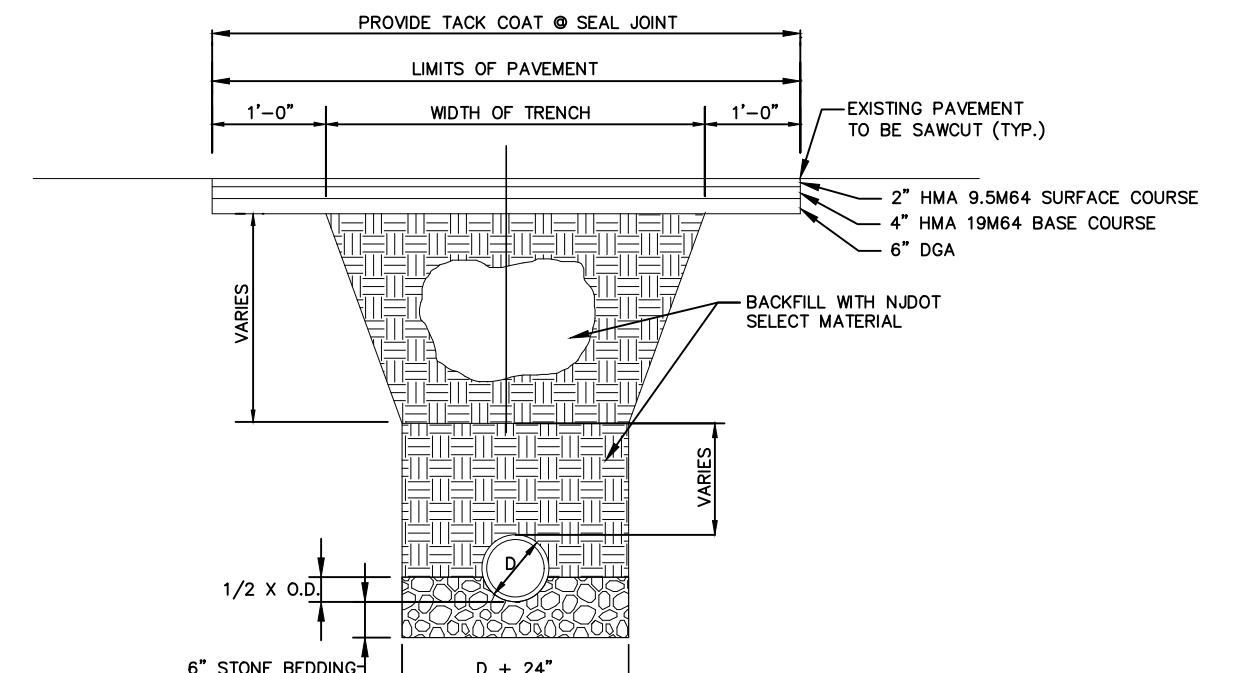


**PAVEMENT MARKINGS W/O CROSSWALK DETAIL**  
N.T.S.



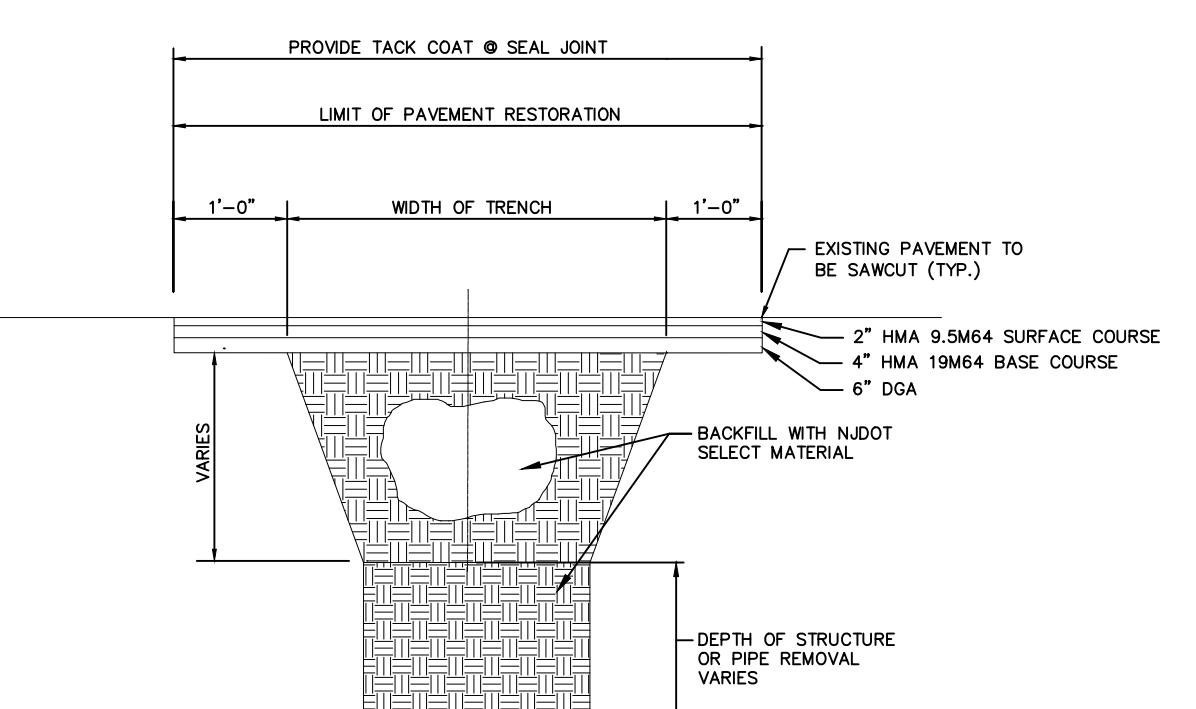
**HOT MIX ASPHALT PAVEMENT SECTION**  
N.T.S.

NOTES:  
1. SUBBASE SHALL BE GRANULAR AND MEET DESIGNATION I-13, OR APPROVED EQUAL AS NECESSARY TO OBTAIN PROPER COMPACTION.  
2. SUBBASE TO BE PROOFROLLED UNDER THE OBSERVATION OF THE RESIDENT INSPECTOR AND ACCEPTED PRIOR TO PAVING.



**ROADWAY TRENCH DETAIL WITH SINGULAR SOLID PIPE**  
N.T.S.

NOTES:  
1. THE LAY DOWN AREA FOR THE EXCAVATED MATERIAL SHALL BE IMMEDIATELY ADJACENT TO THE TRENCH AND SHALL BE ISOLATED TO THE ASPHALT ROADWAY. TRENCH SHALL BE BACKFILLED AT THE END OF EACH DAY. ALL BASE PAVING SHALL BE COMPLETED EACH FRIDAY FOR ALL WORK COMPLETED THAT WEEK.  
2. MAXIMUM WIDTH OF TRENCH SHALL NOT EXCEED THE DEPTH TO THE INVERT OF THE PROPOSED PIPELINE.  
3. SEPARATE PAYMENT WILL NOT BE MADE FOR BACKFILL, BEDDING OR PAVEMENT RESTORATION, BUT SHALL BE INCLUDED IN THE PRICE BID FOR THE PIPE.  
4. SEPARATE PAYMENT WILL NOT BE MADE FOR TEMPORARY COVER MATERIALS, SELECT FILL, DEWATERING, FITTING, SHEETING, AND BRACING, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.  
5. SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION AND DISPOSAL OF REGULATED OR UNCLASSIFIED SOILS OF ANY KIND. THE CONTRACTOR SHALL ASSUME THAT ALL SOILS ON SITE ARE REGULATED. EXCAVATED SOIL SHALL BE REUSED AS BACKFILL MATERIAL.



**STRUCTURE & PIPE REMOVAL  
TRENCH REPAIR DETAIL**  
N.T.S.

NOTES:  
1. THE LAY DOWN AREA FOR THE EXCAVATED MATERIAL SHALL BE IMMEDIATELY ADJACENT TO THE TRENCH AND SHALL BE ISOLATED TO THE ASPHALT ROADWAY. TRENCH SHALL BE BACKFILLED AT THE END OF EACH DAY. ALL BASE PAVING SHALL BE COMPLETED EACH FRIDAY FOR ALL WORK COMPLETED THAT WEEK.  
2. SEPARATE PAYMENT WILL NOT BE MADE FOR TEMPORARY COVER MATERIALS, SELECT FILL, DEWATERING, FITTING, SHEETING, AND BRACING, BUT THE COST SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE PROPOSAL.  
3. SEPARATE PAYMENT WILL NOT BE MADE FOR EXCAVATION AND DISPOSAL OF REGULATED OR UNCLASSIFIED SOILS OF ANY KIND. THE CONTRACTOR SHALL ASSUME THAT ALL SOILS ON SITE ARE REGULATED. EXCAVATED SOIL SHALL BE REUSED AS BACKFILL MATERIAL.

DETAILS  
CITY OF SUMMIT  
CITY OF LORRAINE PLACE  
UNION COUNTY  
SHERMAN AVENUE ROAD IMPROVEMENTS  
NEW JERSEY  
CITY OF SUMMIT  
SHERMAN AVENUE ROAD IMPROVEMENTS  
NEW JERSEY  
CITY OF SUMMIT

DRW JF TV AS NOTED  
DATE: 03-17-2024  
JOB No.: 2018-T-009  
SHEET No.: 16 of 24



# Mountain Ave

VARIABLE

NOTES:

- 1) SIGNS TO BE MOUNTED ON A 2" OD X 10' GALVANIZED POLE
- 2) POLE TO HAVE A 18" MIN. DIA. X 4'-0" DEEP CONCRETE FOOTING
- 3) SIGNS TO BE MOUNTED ON GALVANIZED (OR APPROVED EQUAL) PLACE HOLDER
- 4) COST FOR POST, HARDWARE, AND FOOTING TO BE INCLUDED IN "STREET SIGNS"
- 5) SIGN WIDTHS MAY VARY
- 6) WHITE RETRO-REFLECTIVE BACKING (3M DIAMOND GRADÉ™ OR APPROVED EQUAL)
- 7) BLACK "LYLE" STYLE BORDER (OR APPROVED EQUAL)
- 8) BLACK LETTERS (FONT TYPE: "HIGHWAY SERIES C" OR APPROVED EQUAL)
- 9) MUST MEET MUTCD REFLECTIVE STANDARDS
- 10) PROOF MUST BE SUBMITTED FOR APPROVAL PRIOR TO INSTALL

STREET SIGN DETAILS (CITY OF SUMMIT STANDARD): 9" SIGN (D3-1)

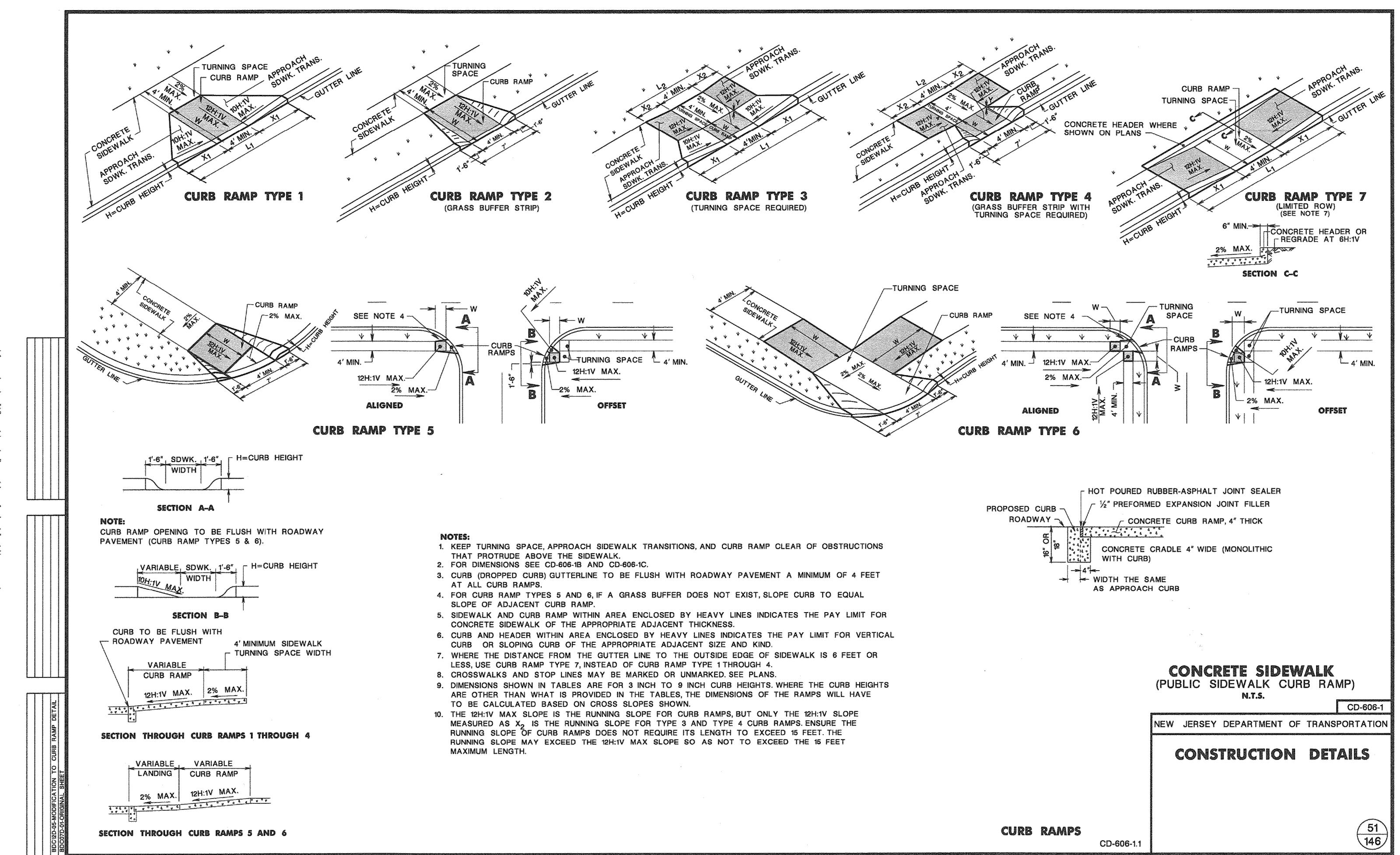
N.T.S.

DATE: 9/18/25  
TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

DATE: 9/18/25  
MOSTAFA RAZZAGHMANESH  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

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RESULTING FROM THE EMBODIMENT OF THE  
DESIGN IN THE FIELD.



CONCRETE SIDEWALK  
(PUBLIC SIDEWALK CURB RAMP)  
N.T.S.

CD-806-1  
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-806-1A  
51  
146

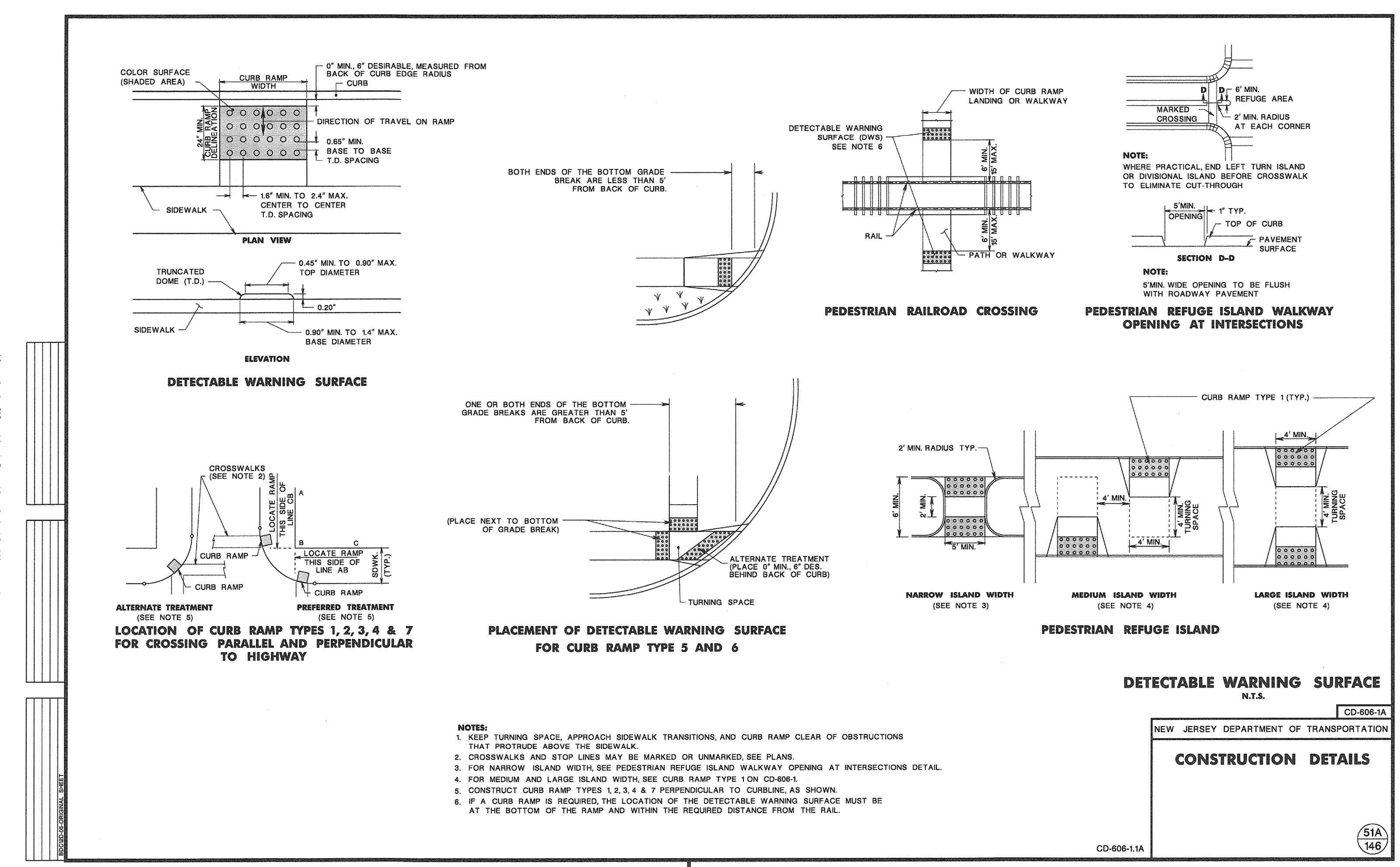
1	REISSUED FOR REBID	9/8/25	SSC/WD	DATE
				BY C/H

1	REISSUED FOR REBID	9/8/25	SSC/WD	DATE
				BY C/H

1	DRAWN BY	DESIGNED BY	CHECKED BY	SCALE
DRB	JF	TV	AS NOTED	

DATE: 03-17-2024  
JOB No.: 2018-T-009  
2018-T-009

18 of 24



DETECTABLE WARNING SURFACE  
N.T.S.

CD-806-1A  
51A  
146

1	REISSUED FOR REBID	9/8/25	SSC/WD	DATE
				BY C/H

1	DRAWN BY	DESIGNED BY	CHECKED BY	SCALE
DRB	JF	TV	AS NOTED	

DATE: 03-17-2024  
JOB No.: 2018-T-009  
2018-T-009

18 of 24

**RVE**  
1901

REMINGTON  
& VERNICK  
ENGINEERS

429 STATE ROUTE 79, SUITE 21  
MORGANVILLE, NJ 07751  
(732) 955-8000, FAX (732) 591-2815  
WEB ADDRESS : RVE.COM  
Certification of Authorization: 24 GA 28003300  
Excellence • Innovation • Service

*Signature*  
DATE: 9/18/25

TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 3773

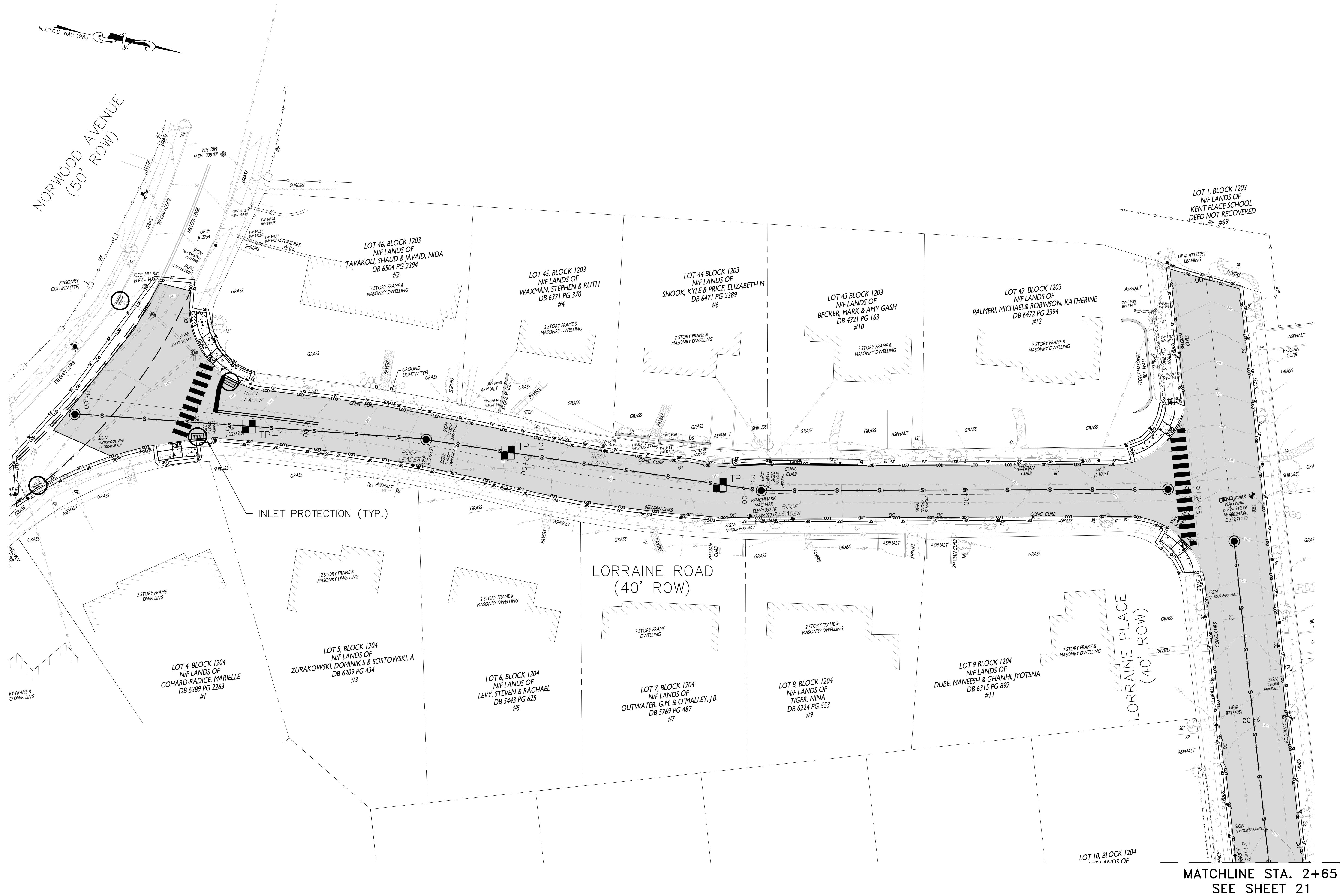
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REISSUED FOR REBID	DATE BY CIR
9/18/25	56522

SOIL EROSION & SEDIMENT CONTROL PLAN	
CITY OF SUMMIT	LORRAINE ROAD, LORRAINE PLACE
UNION COUNTY	SHERMAN AVENUE ROAD IMPROVEMENTS
NEW JERSEY	
LORRAINE ROAD CAD20181019-08 Plan - Revised.dwg (2/20/2025 11:53:58 AM)	



*Sign 9/18/25*  
DATE: 9/18/25  
**TERENCE M. VOGT**  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

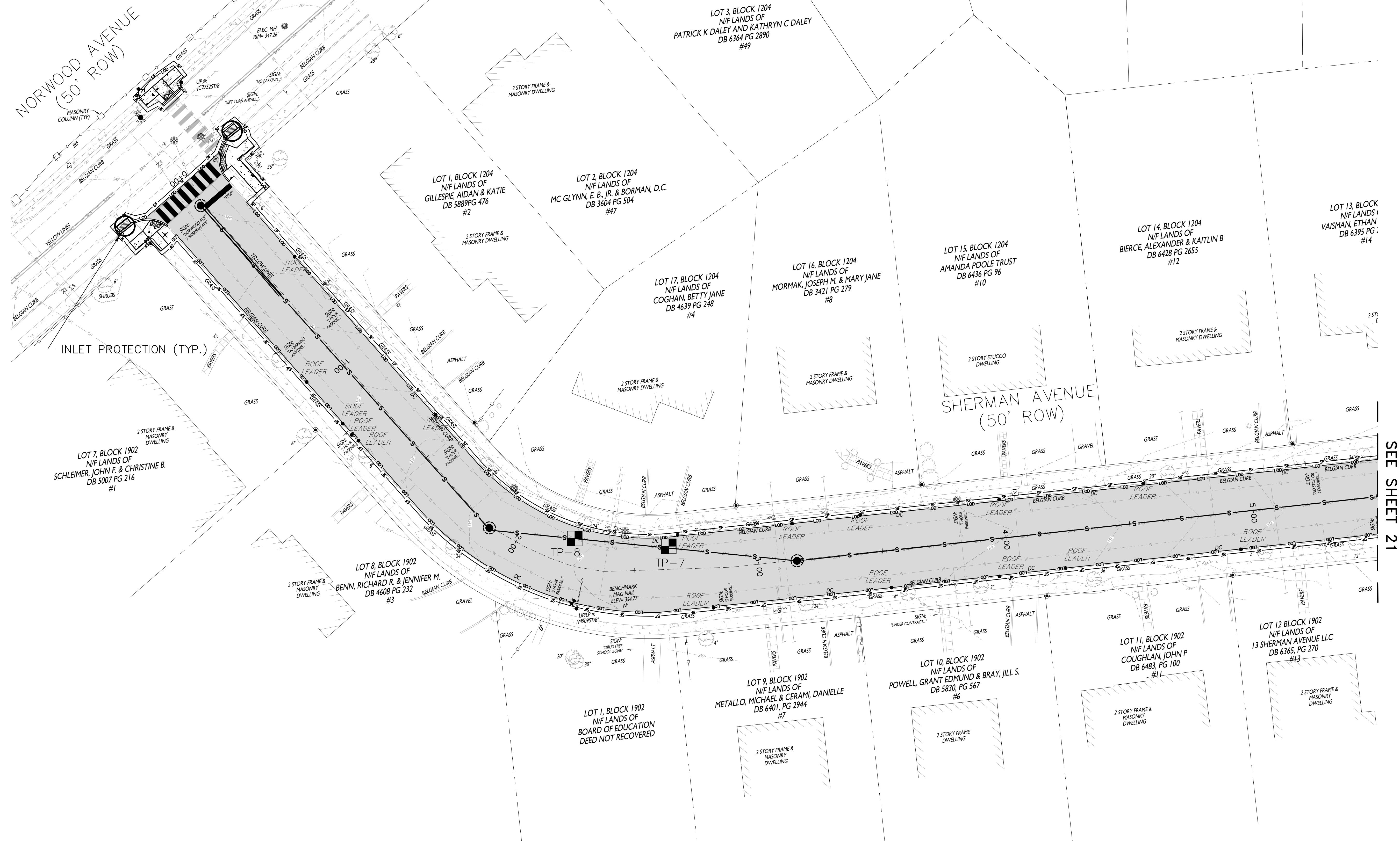
DATE: 9/18/25  
**MOSTAFA RAZZAGHMANESH**  
NJ PROFESSIONAL ENGINEER LIC. No. 56522

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VERNICK ENGINEERS AND AFFILIATES FROM ALL  
DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR  
RESULTING THEREFROM.

1	REISSUED FOR REBID	9/18/25	SSC/WD
		DATE	BY C/H

SOIL EROSION & SEDIMENT CONTROL PLAN			
CITY OF SUMMIT LORRAINE ROAD, LORRAINE PLACE SHERMAN AVENUE ROAD IMPROVEMENTS NEW JERSEY UNION COUNTY			
DRAWN BY: DRB DESIGN BY: JF CHECKED BY: TV SCALE: AS NOTED			
DATE: 03-17-2024 SHEET No.: 2018-T-009			
JOB No.: 20 of 24			









NOTES:

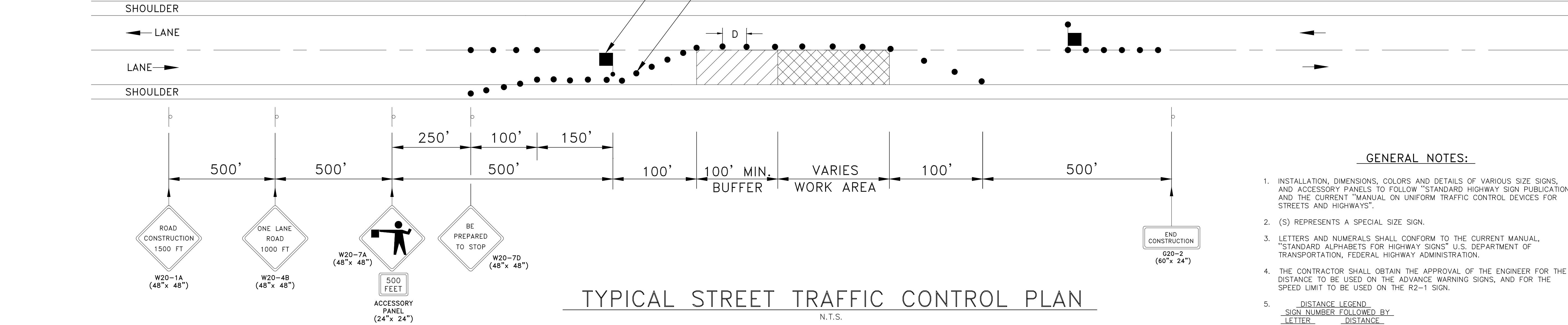
1. No Railroad Warning Devices are to be disturbed/moved/blocked during this project.
2. Replace any Railroad Warning Signs and/or Pavement Markings according to MUTCD that may be disturbed during construction.
3. No Traffic Control Devices located within Delaware and Raritan River Railroad's Right of Way.
4. Direct No vehicle/traffic across the Highway-Rail At-Grade crossing until preceding vehicle clears the track and "foul" area.
5. At NO time during the Traffic Control Phases shall any Vehicle/Pedestrian/Uniformed Officer/Cones/Drums/Signage and Devices "Foul the Tracks".

THE 2019 U.S. CUSTOMARY ENGLISH UNITS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION, AS AMENDED OR SUPPLEMENTED HEREIN, SHALL GOVERN IN THE CONSTRUCTION OF THIS PROJECT.

STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL DETAILS BOOKLET AND STANDARD ELECTRICAL DETAILS BOOKLET, 2016, ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

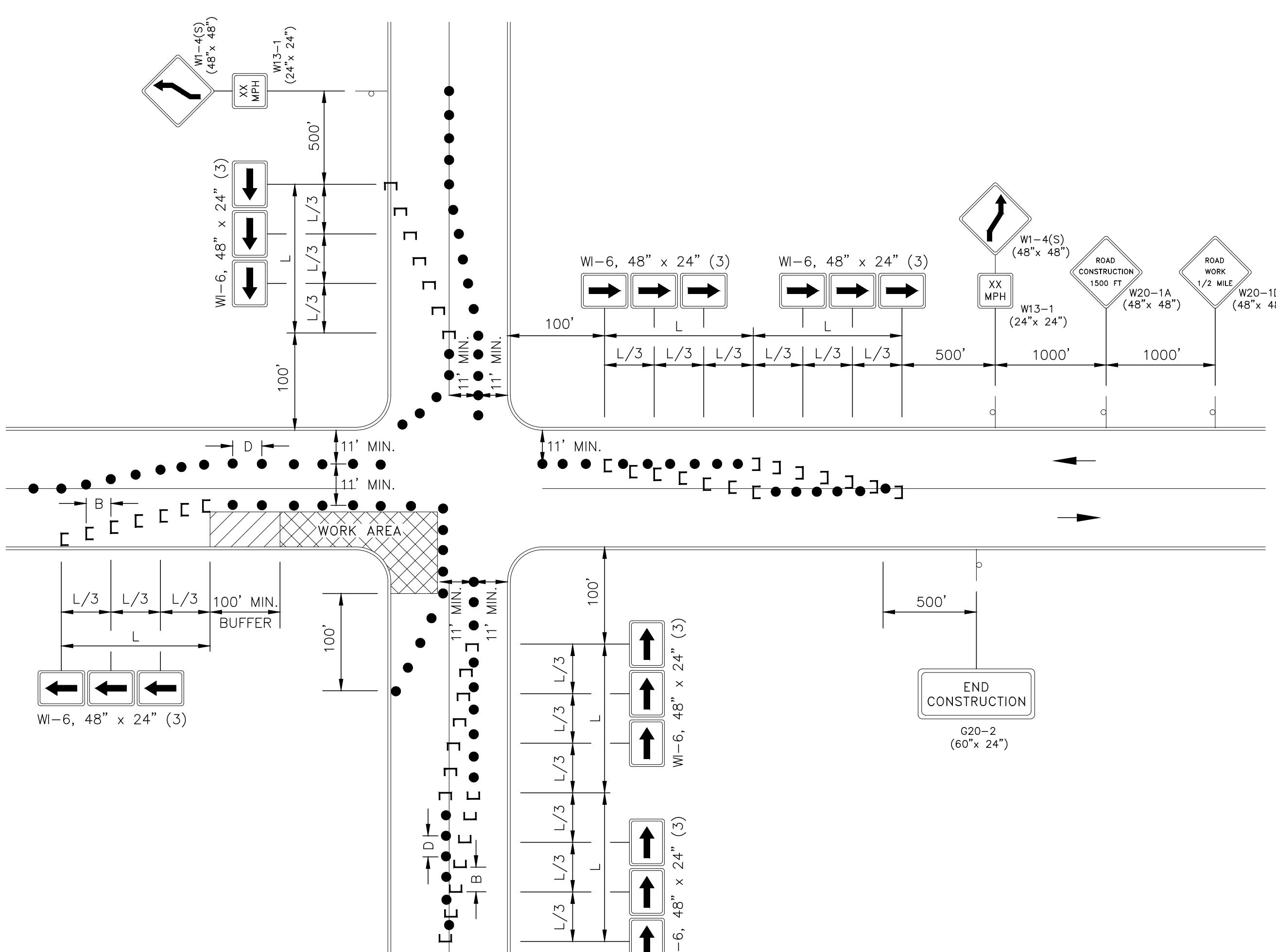
*Signature*  
DATE: 9/18/25  
TERENCE M. VOGT  
NJ PROFESSIONAL ENGINEER LIC. No. 33773

DATE: 9/18/25  
MOSTAFA RAZZAGHMANESH  
NJ PROFESSIONAL ENGINEER LIC. No. 56522



## TYPICAL STREET TRAFFIC CONTROL PLAN

N.T.S.



## TYPICAL 2 LANES, UNDIVIDED, INTERSECTION TRAFFIC CONTROL PLAN

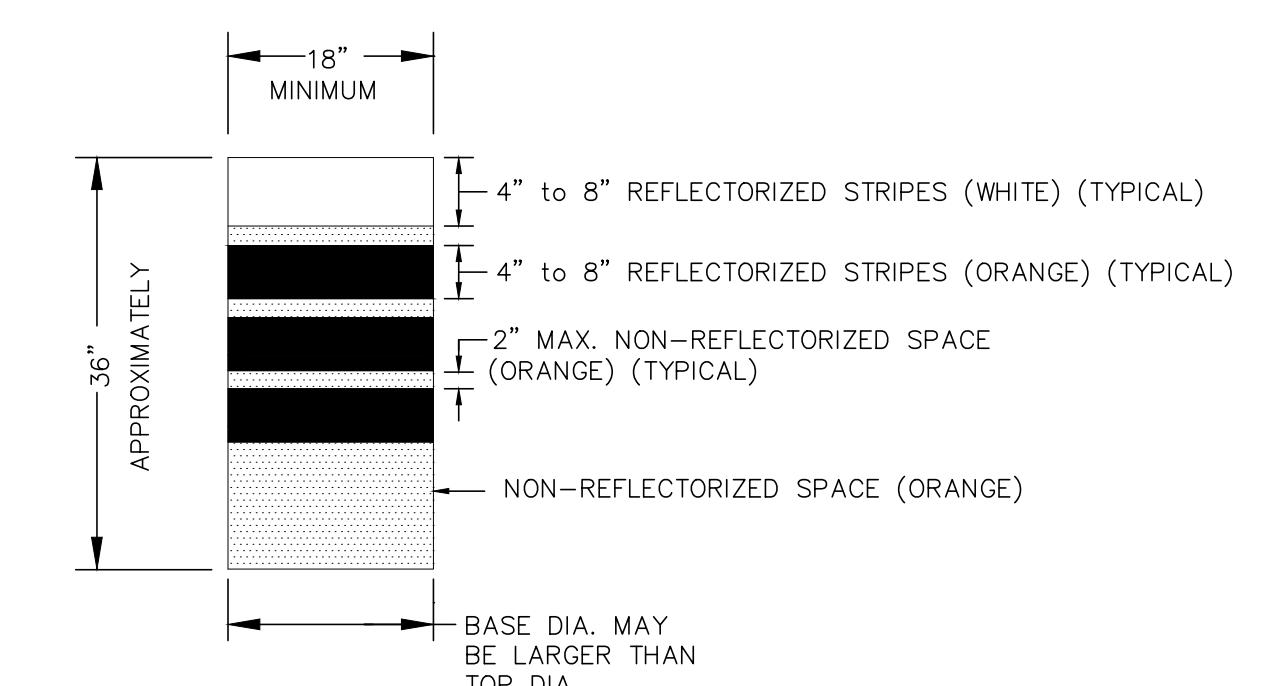
N.T.S.

NOTES:

DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR (4) ALTERNATE ORANGE AND WHITE REFLECTORIZED STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY SHALL BE NO MORE THAN 2" WIDE. STRIPES SHALL BE REFLECTIVE SHEETING WHICH MEETS THE REQUIREMENTS AS SHOWN FOR CONSTRUCTION SIGNS. THE TOP OF THE DRUM SHALL NOT BE OPEN.

DRUMS SHALL BE CONSTRUCTED TO INHIBIT ROLLING IF KNOCKED OVER.

THE REFLECTORIZED AREA OF DRUMS SHALL BE ROUND EXCEPT THAT OTHER SHAPES, WHICH PROVIDE THE SAME VISIBILITY AS AN 18" DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED IF APPROVED BY THE BUREAU OF MATERIALS.



## DRUM DETAIL

N.T.S.

### RECOMMENDED TAPER LENGTH AND SPACING FOR CHANNELIZING TAPERS

REGULATORY APPROACH SPEED OF TRAFFIC IN MILES/HOUR	MINIMUM TAPER RATIO IN LENGTH PER FOOT OF WIDTH	MINIMUM TAPER LENGTH L - FOR LANE WIDTHS 10.FT, 11.FT, 12.FT.	MAXIMUM BARRICADE (B) SPACING IN FEET	MAXIMUM DEVICE (D) SPACING IN FEET
25	10.5:1	105	115	125
30	15.0:1	150	165	180
35	20.5:1	205	225	245
40	27.0:1	270	295	320
45	45:1	450	495	540
50	50:1	500	550	600
55	55:1	550	605	660

S:\Engineer\Jamesburg 1208\1208T\1208-T-172-2021 NJDOT Application\Cone Detail.PNG

\* ALONG WORK AREA D (IN FEET) = REGULATORY SPEED IN M.P.H.

## TRAFFIC CONTROL PLAN

CITY OF SUMMIT  
LORRAINE ROAD, LORRAINE PLACE  
SHERMAN AVENUE ROAD IMPROVEMENTS  
NEW JERSEY  
UNION COUNTY  
CITY OF SUMMIT  
SHERMAN AVENUE LORRAINE ROAD IMPROVEMENTS  
NEW JERSEY  
CITY OF SUMMIT

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