

CONSTRUCTION PLANS FOR QUEENS ROAD SECTION I ROADWAY IMPROVEMENTS FY2021 NJDOT MUNICIPAL AID

TOWNSHIP OF ROCKAWAY MORRIS COUNTY, NEW JERSEY

MUNICIPAL OFFICIALS

JOSEPH JACKSON, MAYOR
PATRICIA SEGER, BUSINESS ADMINISTRATOR
CHRISTINA CLIPPERTON, MUNICIPAL CLERK
ALLISON FERRANTE P.E., MUNICIPAL ENGINEER
AL KNOTH, DEPARTMENT OF PUBLIC WORKS DIRECTOR
RYAN FURREY, SUPERINTENDENT OF WATER & SEWER UTILITIES
& LICENSED OPERATOR

PUBLIC UTILITIES

GAS

New Jersey Natural Gas Co.
1415 Wyckoff Road
P.O. Box 1464
Wall, NJ 07719

ELECTRIC

Jersey Central Power & Light Company
300 Madison Avenue
P.O. Box 1911
Morristown, NJ 07962

CABLE

Cablevision
683 Route 10 East
Randolph, NJ 07869

TELEPHONE

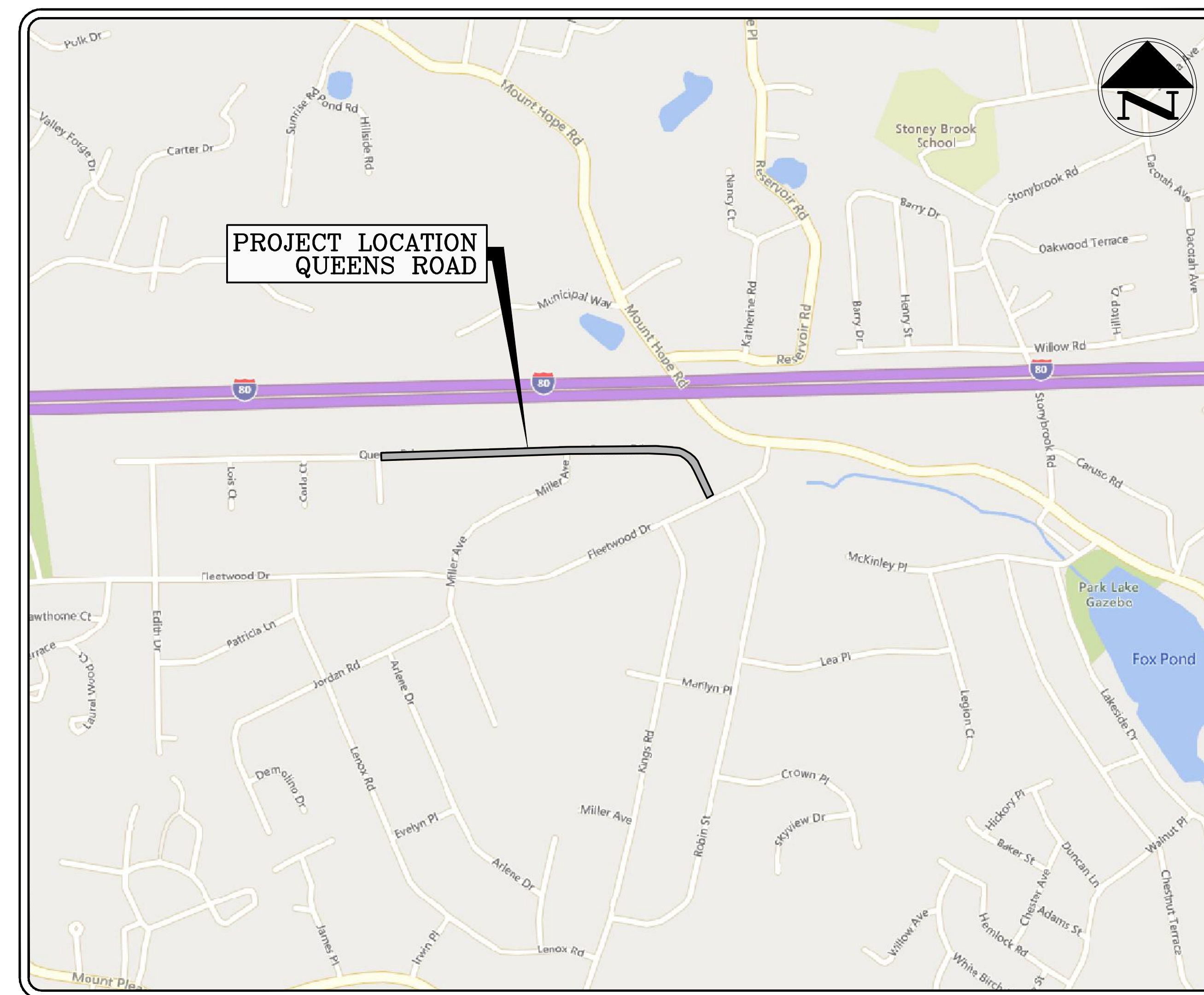
Verizon
290 West Mount Pleasant Ave.
Building 4, Floor G
Livingston, NJ 07039

WATER

Township of Rockaway
Water Department
65 Mount Hope Rd.
Rockaway, NJ 07866

SANITARY

Township of Rockaway
Sewer Utility
65 Mount Hope Rd.
Rockaway, NJ 07866



LOCATION MAP

SCALE: 1"=500'

LENGTH OF PROJECT 1,975 FT. OR 0.374 MILES

NOTES:

1. PRIOR TO ANY EXCAVATION, CONTRACTOR MUST HAVE ALL UTILITIES MARKED OUT BY THE APPROPRIATE UTILITY COMPANIES BY CALLING 1-800-272-1000.
2. ALL DIMENSIONS SHOWN ON THIS SET ARE IN ENGLISH UNITS.
3. ALL CONSTRUCTION SHOWN HEREON UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE IN ACCORDANCE WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019 EDITION AS AMENDED.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS ROADWAY-TRAFFIC CONTROL-BRIDGE 2016.

INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET AND LOCATION MAP
2	GENERAL NOTES, LEGEND AND ESTIMATE OF QUANTITIES
3-4	LAYOUT & TIE PLANS
5-8	CONSTRUCTION PLANS & PROFILES
9-17	CROSS-SECTIONS
18-20	ADA CURB RAMP PLANS
21-23	DETAILS
24	TRAFFIC CONTROL & DETOUR PLAN

ENGINEER:

GPI
973.377.8500

Engineering
Design
Planning
Construction Management

Greenman-Pedersen, Inc.
301 Gibraltar Drive, Suite 2A
Morris Plains, NJ 07950
Certificate of Authorization #24GA27959500

Michael A. Wallo
MICHAEL A. WALLO, Professional Engineer, No. 120772, State of New Jersey

JULY 2022

PROJ. No. 2021054

STANDARD LEGEND

EXISTING

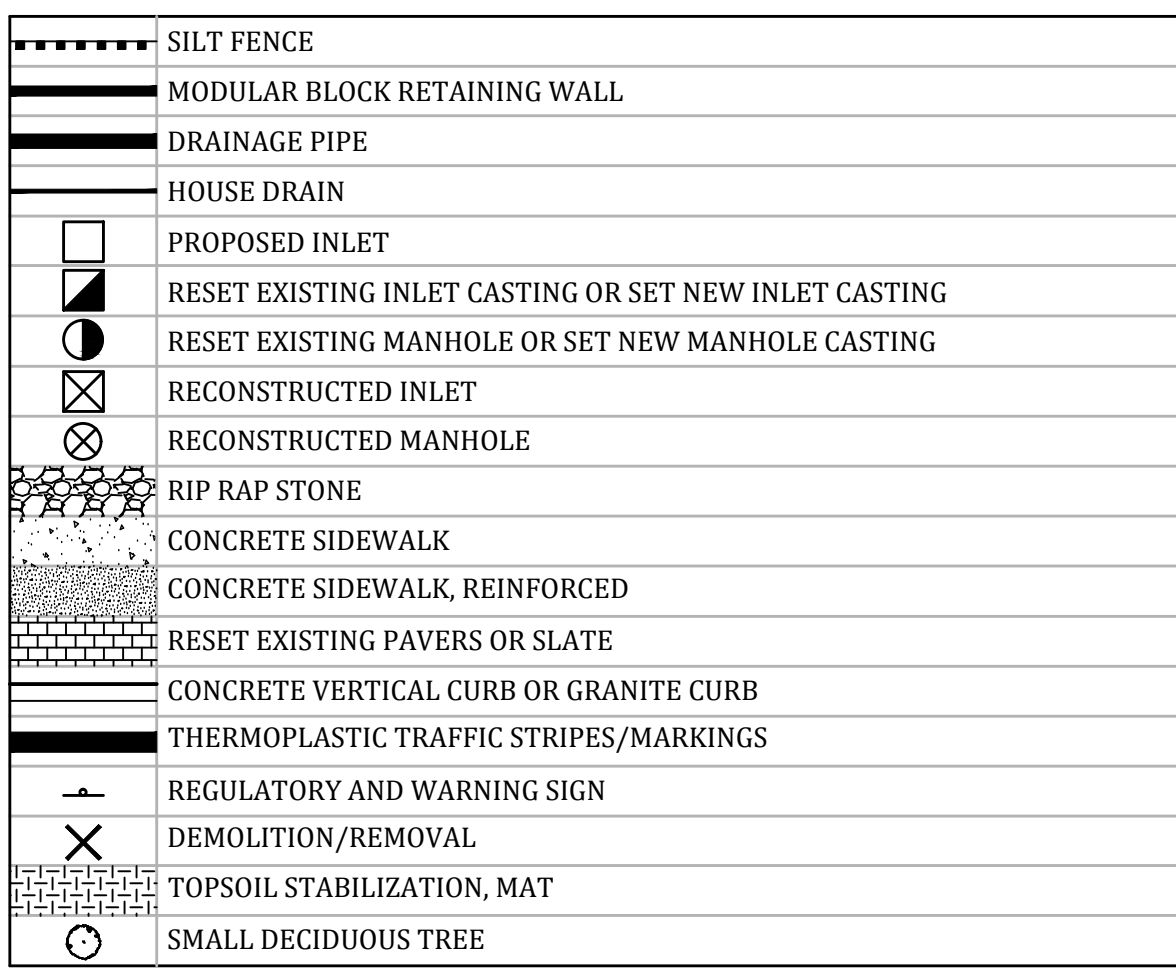


Exist. MH. (size and type) ———— Exist. Sanitary Sewers
 ———— Exist. Storm Drains

Exist. CURBS
 — X — X — X — FENCES
 SIDEWALK

Exist. Driveway Apron

PROPOSED



NOMENCLATURE OF THE LEGEND MAY VARY SLIGHT FROM PROPOSED PAY ITEMS.

ABBREVIATIONS

RD	Roof Drain	GR	Grate
HMA	Hot Mix Asphalt	INV.	Invert Elevation
CONC.	Concrete	STA.	Station
M.S.	Monument Stone	SAN.	Sanitary Sewer
MH	Manhole	DGABC	Dense Graded Aggregate Base Course
BVCS	Beginning Vertical Curve Station	BVCE	Beginning Vertical Curve Elevation
EVCS	Ending Vertical Curve Station	EVCE	Ending Vertical Curve Elevation
PVI	Point of Vertical Intersection	VC	Vertical Curve
ELEV.	Elevation	FOC	Face of Curb
L.O.C.	Limit of Construction		

GENERAL NOTES

- THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION (IN ENGLISH UNITS), AS PUBLISHED BY THE NEW JERSEY STATE HIGHWAY DEPARTMENT, THE CONSTRUCTION PLANS, TECHNICAL SPECIFICATIONS, CONTRACTOR'S PROPOSAL, AND INCLUDING, BUT NOT LIMITED TO, THE AMENDMENTS CONTAINED HEREINAFTER, SHALL COMPRISE THE CONTRACT.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS ROADWAY-TRAFFIC CONTROL-BRIDGE 2016.
- THE CONTRACTOR IS TO REFER TO THE "SPECIFICATION GUIDE" WHICH INDICATES WHEN THE STANDARD SPECIFICATIONS, AND/OR THE AMENDMENTS THAT FOLLOW SHOULD APPLY.
- THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES, ORDERS AND REGULATIONS RELATING TO THE PERFORMANCE OF THE WORK, THE PROTECTION OF ADJACENT PROPERTY AND THE MAINTENANCE OF PASSAGEWAYS.
- EACH AND EVERY PROVISION OF LAW AND CLAUSE REQUIRED BY LAW TO BE INSERTED IN THIS CONTRACT SHALL BE DEEMED TO BE INSERTED HEREIN AND THE CONTRACT SHALL BE READ AND ENFORCED AS THOUGH IT WERE INCLUDED HEREIN, AND IF THROUGH MISTAKE OR OTHERWISE ANY SUCH PROVISION IS NOT INSERTED, OR IS NOT CORRECTLY INSERTED, THEN UPON THE APPLICATION OF EITHER PARTY THE CONTRACT SHALL FORTHWITH BE PHYSICALLY AMENDED TO MAKE SUCH INSERTION OR CORRECTION.
- THE CONTRACTOR WILL BE FURNISHED WITH FIVE (5) SETS OF PLANS AND SPECIFICATIONS. ONE (1) COPY OF THE PLANS AND SPECIFICATIONS FURNISHED TO THE CONTRACTOR MUST BE KEPT CONSTANTLY ON THE PROJECT SITE. ANYTHING SHOWN ON THE PLANS AND NOT MENTIONED IN THE SPECIFICATIONS, OR MENTIONED IN THE SPECIFICATIONS AND NOT SHOWN ON THE PLANS, AND ALL WORK AND MATERIALS NECESSARY FOR THE COMPLETION OF THE WORK ACCORDING TO THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS, SHALL BE FURNISHED, PERFORMED AND DONE, AS IF THE SAME WERE BOTH MENTIONED IN THE SPECIFICATIONS AND SHOWN ON THE DRAWINGS. ANY CONFLICT OR INCONSISTENCY BETWEEN THE PLANS AND SPECIFICATIONS, OR ANY DISCREPANCY BETWEEN THE FIGURES AND SCALE OF DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER, WHOSE DECISION THEREON SHALL BE CONCLUSIVE. THE DECISION OF THE ENGINEER AS TO WHICH SPECIFICATION WILL GOVERN WILL BE CONCLUSIVE AND FINAL.
- IN THE EVENT THE MEANING OF ANY PORTION OF THE SPECIFICATIONS OR DRAWINGS OR ANY SUPPLEMENTARY DRAWINGS OR INSTRUCTIONS OF THE ENGINEER IS DOUBTFUL, THE SAME SHALL BE UNDERSTOOD TO CALL FOR THE BEST TYPE OF CONSTRUCTION, BOTH AS TO MATERIALS AND WORKMANSHIP, WHICH REASONABLY CAN BE INTERPRETED.
- IN THE EVENT A SITUATION ARISES IN WHICH MATERIALS NOT SPECIFIED ON THE PLANS OR INDICATED AS NOT APPLICABLE IN THE SPECIFICATION GUIDE ARE TO BE USED FOR EXTRA WORK, THEN THE STANDARD SPECIFICATIONS OR THE SUPPLEMENTS WHICH EVER GOVERNS, WILL BE USED.
- ALL TRENCHES UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS AND/OR AMENDED, SHALL HAVE BACKFILL MATERIAL AS SPECIFIED IN SUBSECTION 207.06. THE ENGINEER AT HIS DISCRETION, MAY PERMIT THE USE OF EXCAVATED OR OTHER SUITABLE MATERIAL TO BE USED AS BACKFILL ON TRENCHES OUTSIDE THE CURB LINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCESS MATERIALS EXCAVATED OF WHATEVER NATURE AT HIS OWN EXPENSE. THE TOWNSHIP IS NOT OBLIGATED TO SUPPLY A DISPOSAL SITE. THE CONTRACTOR MUST NOT DEPOSIT THE EXCESS MATERIALS IN THE TOWNSHIP LIMITS WITHOUT EXPRESS PERMISSION OF THE TOWNSHIP ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO OBEY ALL THE SAFETY AND HEALTH REGULATIONS. THE TOWNSHIP OF ROCKAWAY ASSUMES NO RESPONSIBILITY FOR THE SAFETY OF THE WORK PERFORMED.
- THIS CONTRACT INCLUDES STATE WAGE RATES.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES LOCATED AND PHYSICALLY MARKED OUT WITHIN THE LIMITS OF THE PROJECT (CALL 1-800-272-1000). THE CONTRACTOR SHALL PROVIDE TEST HOLES IN AREAS OF POSSIBLE CONFLICT TO VERIFY THE DEPTH AND LOCATION OF THE UTILITY. PAYMENT SHALL BE MADE FOR THIS ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR DELAYS THAT MAY BE NECESSARY TO RELOCATE UTILITIES OR THE PROPOSED LOCATION OF DRAINAGE STRUCTURES.
- A PORTION OF THE PROJECT AREA MAY BE LOCATED WITHIN THE 300-FT RIPARIAN ZONE OF FOX'S BROOK; HOWEVER, ALL PROPOSED IMPROVEMENTS ARE WITHIN ACTIVELY DISTURBED AREAS CONSISTING OF EXISTING CONCRETE AND PAVED SURFACES AND MAINTAINED LAWN AREAS WITHIN THE MUNICIPAL RIGHT-OF-WAY. THE PROJECT COMPLIES WITH THE REQUIREMENTS OF FLOOD HAZARD PERMITS-BY-RULE AND WORK MAY BE CONDUCTED WITHOUT PRIOR DEPARTMENT APPROVAL. SPECIFICALLY, THE PROJECT COMPLIES WITH ALL REQUIREMENTS OF PERMIT-BY-RULE 10 FOR GENERAL CONSTRUCTION ACTIVITIES LOCATED OUTSIDE A FLOOD HAZARD AREA IN A RIPARIAN ZONE AND PERMIT-BY-RULE 40 FOR MILLING, REPAVING, AND/OR RESURFACING OF A LAWFULLY EXISTING PAVEMENT. THE PROJECT IS IN CONFORMANCE WITH THE NUDEP FLOOD HAZARD AREA CONTROL ACT RULES, AND NO FURTHER APPROVAL IS REQUIRED.

CONSTRUCTION NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE ROCKAWAY TOWNSHIP POLICE DEPARTMENT FOR TRAFFIC OPERATIONS AND PARKING PROHIBITIONS DURING CONSTRUCTION.
- THE TOWNSHIP SHALL DETERMINE AT ITS SOLE DISCRETION WHICH CONSTRUCTION ACTIVITIES WARRANT UNIFORMED TRAFFIC DIRECTORS OR TRAFFIC FLAGGERS.
- THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST TWO (2) WEEKS PRIOR TO CONSTRUCTION FOR PHYSICAL MARKOUTS OF UTILITIES.
- ALL INFORMATION SHOWN OR NOTED FOR EXISTING FACILITIES, GRADES, ROADWAYS AND MATERIALS IS APPROXIMATE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL INFORMATION WHICH MAY AFFECT HIS WORK. LOCATION AND DEPTH OF EXISTING UTILITIES ARE ONLY INDICATED TO BRING ATTENTION TO POSSIBLE CONFLICT.
- ANY DAMAGE TO UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND ALL COSTS FOR REPAIRS SHALL BE BORNE BY THE CONTRACTOR INCLUDING THE COST OF UNIFORMED TRAFFIC DIRECTORS USED DURING THE REPAIR OF ANY DAMAGED UTILITIES.
- ALL DISTURBED SHRUBS, FENCING, SIGNS, MAIL BOXES, DRIVEWAYS, SPRINKLERS, EXISTING BEAM GUIDE RAIL ETC., SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, AND TO THE SATISFACTION OF THE OWNER. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS RESTORATION UNLESS SPECIFIED ELSEWHERE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS RAMP AT ALL CURB OPENINGS FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ALSO PROVIDE AND MAINTAIN RAMP AROUND ALL EXPOSED CASTINGS, BOTH PUBLIC AND PRIVATE, WHICH HAVE BEEN UNCOVERED OR RESET DURING CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO MAINTAIN DUST CONTROL AS REQUIRED OR DIRECTED BY THE ENGINEER. ALL VEHICLES SHALL BE CLEAN AND ALL ROADWAYS SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PERFORM ONLY THE AMOUNT OF WORK WHICH CAN BE COMPLETED THE SAME DAY. THE ENTIRE ROADWAY SHALL BE OPENED TO TRAFFIC AFTER WORK HOURS. TEMPORARY PAVEMENT SHALL BE PLACED IN CONSTRUCTION AREAS TO PROVIDE A SMOOTH, SAFE SURFACE FOR VEHICULAR TRAFFIC. THE COST FOR TEMPORARY PAVEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VARIOUS ROADWAY RECONSTRUCTION ITEMS. STEEL PLATES MAY BE USED, AT THE APPROVAL OF THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR STEEL PLATES.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION LAYOUT, SURVEY CONTROL AND STAKE OUT WORK TO COMPLETE THE PROJECT. THERE WILL BE NO SEPARATE PAYMENT TO COMPLETE THIS WORK.
- ASPHALT DENSITY TESTING TO BE COMPLETED. TO BE PAID FOR UNDER HMA SURFACE COURSE PAY ITEM.

SURVEY NOTES:

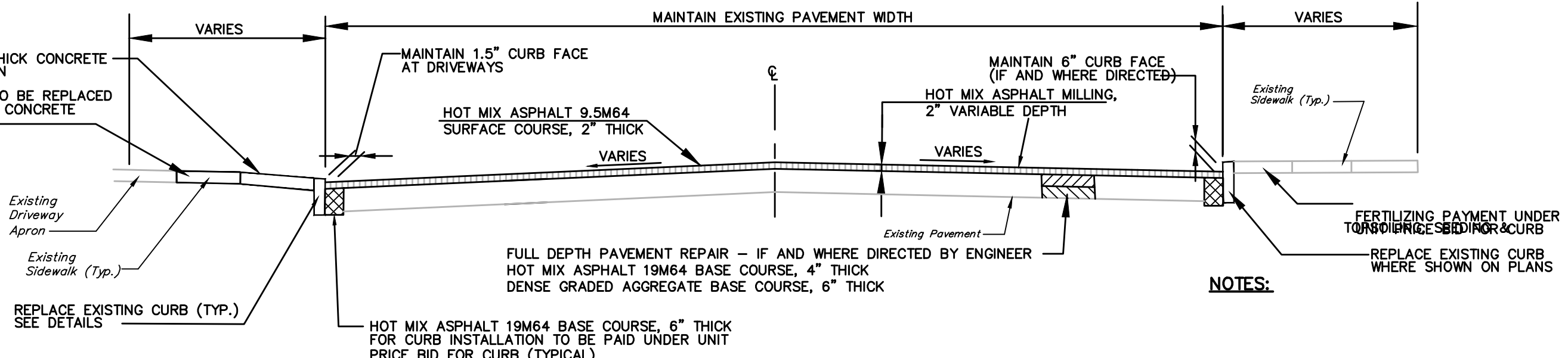
- HORIZONTAL DATUM IS BASED UPON NAD'83.
- VERTICAL DATUM IS BASED UPON NAVD'88.
- UTILITY LOCATIONS SHOWN HEREON ARE FROM ABOVE GROUND OBSERVATIONS. THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE USER OF THIS SURVEY IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATIONS OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON TAKEN FROM A DRAWING ENTITLED, "QUEENS ROAD SECTION 1 ROADWAY IMPROVEMENTS, TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY, EXISTING CONDITIONS SURVEY", BY GREENMAN-PEDERSEN, INC., DATED NOVEMBER 1, 2021, LOT AND BLOCK NUMBERS SHOWN HEREON ARE BASED UPON THE CURRENT TAX MAPS OF THE TOWNSHIP OF ROCKAWAY.

NJDOT FUNDING NOTES

- THIS PROJECT IS BEING FUNDED BY THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT).
- UPON COMPLETION OF THE PROJECT NJDOT SHALL PERFORM AN IN DEPTH FINAL INSPECTION OF THE IMPROVEMENTS. SHOULD THE NJDOT INDICATE ANY COMMENTS OR CONCERNS, THE CONTRACTOR SHALL REMEDIATE AND ADDRESS NJDOT'S COMMENTS OR CONCERNS AT NO ADDITIONAL EXPENSE TO THE MUNICIPALITY.
- ALL PAVEMENT MARKINGS, SIGNS, ETC. SHALL CONFORM TO THE MUTCD. SHOULD THE NJDOT INDICATE ANY NON-COMPLIANT PAVEMENT MARKINGS, SIGN, ETC., THE CONTRACTOR SHALL REMEDIATE AND ADDRESS NJDOT COMMENTS OR CONCERNS AT NO ADDITIONAL EXPENSE TO THE MUNICIPALITY.
- NO PAYMENT SHALL BE MADE BY THE MUNICIPALITY FOR ANY MATERIAL OBTAINED FROM A NON-APPROVED NJDOT SOURCE OR MATERIAL NOT COVERED BY A MATERIAL CERTIFICATION AS OUTLINED IN THE STATE AID SUPPLEMENTARY SPECIFICATIONS.
- PROPOSED HMA PAVEMENT WILL BE CORED AND TESTED UPON COMPLETION OF THE PROJECT. SUB-STANDARD HMA PAVEMENT WILL BE PENALIZED IN ACCORDANCE WITH NJDOT SPECIFICATIONS.
- AMERICANS WITH DISABILITIES ACT (ADA) CURB RAMP COMPLIANCE CONSTRUCTION IS NOT FORMALLY ACCEPTED BY THE ENGINEER, INSPECTOR OR THE MUNICIPALITY UNTIL INSPECTED AND APPROVED BY THE NJDOT. SHOULD THE NJDOT INDICATE ANY NON-COMPLIANT DEFICIENCIES INCLUDING BUT NOT LIMITED TO CONSTRUCTED RAMP RUNS, SIDEWALK APPROACHES WITHIN 15' OF THE RAMP, LANDING/TURNING AREAS WITHIN THE SIDEWALK AND/OR CROSSWALK, DETECTABLE WARNING SURFACES, MANHOLE/INLET CASTINGS OR VALVE BOXES, THE CONTRACTOR SHALL REMEDIATE AND RECONSTRUCT ANY NON-COMPLIANT DEFICIENCIES AT NO ADDITIONAL EXPENSE TO THE MUNICIPALITY.

ESTIMATE OF QUANTITIES

PAY ITEM NO.	BASE BID	UNIT	PLAN QUANTITY	IF & WHERE DIRECTED	TOTAL CONTRACT QUANTITY
1	BREAKAWAY BARRICADE	UNIT	10		10
2	DRUM	UNIT	30		30
3	TRAFFIC CONE	UNIT	30		30
4	CONSTRUCTION SIGNS	SF	130		130
5	POLICE TRAFFIC DIRECTORS	HOURL	100		100
6	FUEL PRICE ADJUSTMENT	DOLL	5,000		5,000
7	ASPHALT PRICE ADJUSTMENT	DOLL	10,000		10,000
8	CLEARING SITE	LS	1		1
9	EXCAVATION, UNCLASSIFIED	CY	0	222	222
10	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	0	798	798
11	HMA MILLING, 3" OR LESS	SY	7,978		7,978
12	HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK	TON	957	96	1,053
13	HOT MIX ASPHALT 19M64 BASE COURSE, 4" THICK	TON	0	192	192
14	4" PVC PIPE, SCHEDULE 40	LF	10		10
15	6" PERFORATED HDPE UNDERDRAIN	LF	503		503
16	HOUSE DRAIN CONNECTION, INCLUDING CLEANOUT	UNIT	4	2	6
17	INLET, TYPE B	UNIT	2		2
18	RESET EXISTING CASTING	UNIT	6		6
19	SET INLET TYPE B, CASTING	UNIT	8		8
20	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	UNIT	7		7
21	SET MANHOLE CASTING	UNIT	1		1
22	RECONSTRUCTED INLET, TYPE B, USING EXISTING CASTING	UNIT	0	1	1
23	RECONSTRUCTED INLET, TYPE B, USING NEW CASTING	UNIT	1	2	3
24	MANHOLE COVER	UNIT	1		1
25	BICYCLE SAFE GRATE	UNIT	4		4
26	CURB PIECE	UNIT	2		2
27	CONCRETE SIDEWALK, 4" THICK	SY	107		107
28	CONCRETE SIDEWALK, REINFORCED, 6" THICK	SY	410		410
29	HOT MIX ASPHALT DRIVEWAY, 2" THICK	SY	65		65
30	RESET PAVER DRIVEWAY	SY	12		12
31	DETECTABLE WARNING SURFACE	SY	10		10
32	9" X 18" CONCRETE VERTICAL CURB	LF	3,848		3,848
33	GRANITE CURB	LF	108		108
34	TRAFFIC MARKINGS LINES, 4"	LF	100		100
35	TRAFFIC MARKINGS LINES, 8"	LF	330		330
36	TRAFFIC MARKINGS LINES, 24"	LF	45		45
37	REGULATORY AND WARNING SIGN	SF	39.25		39.25



TYPICAL ROADWAY CROSS-SECTION QUEENS ROAD

- NO SEPARATE PAYMENT FOR SAW CUTTING
- LEVELING COURSE IS INCLUDED IN HOT MIX ASPHALT SURFACE COURSE ITEM.
- EXCAVATION FOR PAVEMENT, CURB AND SIDEWALK INCLUDED IN UNIT PRICE BID FOR THESE RESPECTIVE ITEMS.
- CONTRACTOR TO PROOF ROLL BASE PAVEMENT FOLLOWING MILLING OPERATIONS TO VERIFY STABLE AND FIRM CONDITION. CONTRACTOR TO REPAIR SUBBASE STONE AND BASE PAVEMENT WHERE DIRECTED BY THE ENGINEER. THIS WORK TO BE INCLUDED UNDER UNIT PRICE BID FOR DENSE GRADED AGGREGATE BASE COURSE, 6" THICK AND HOT MIX ASPHALT ASPHALT 19M64 BASE COURSE, 4" THICK, AS DIRECTED BY THE ENGINEER.

GPI Engineering Design Construction Management
 973.377.8500 GPINET.COM
 Greenman-Pedersen, Inc.
 301 Gibraltar Drive, Suite 2A
 Morris Plains, NJ 07950
 Certificates of Authorization #24GA27959500 #21MH00012700

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REVISIONS

TOWNSHIP OF ROCKAWAY
 QUEENS ROAD SECTION 1
 ROADWAY IMPROVEMENTS

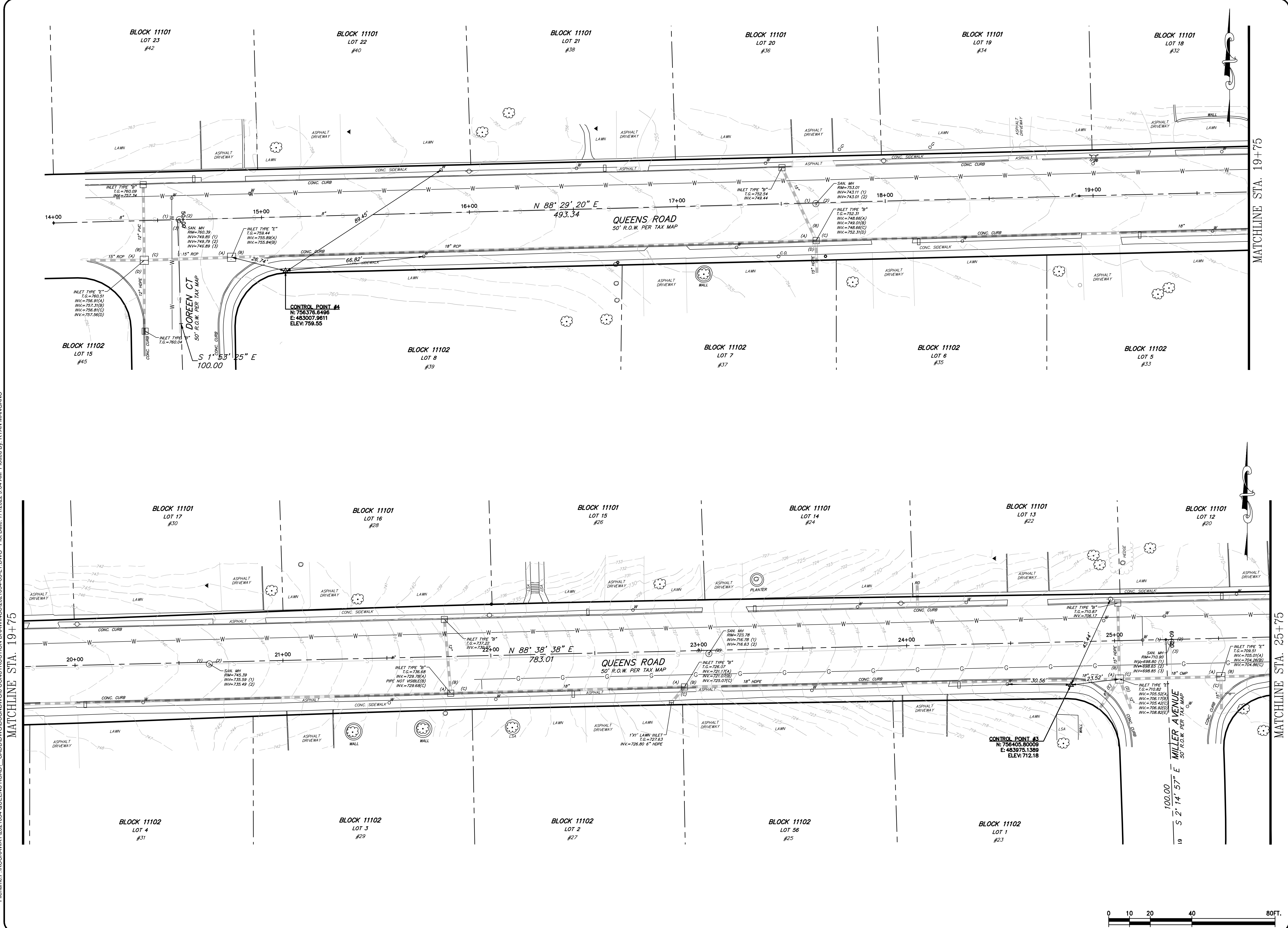
CLIENT:
 PROJECT:
 TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

DRAWING TITLE:
GENERAL NOTES, LEGEND AND ESTIMATE OF QUANTITIES

STATE OF NEW JERSEY
 MICHAEL A. WILSON
 NO. 9921
 PROFESSIONAL ENGINEER
 License #49371

SCALE: NONE
 DRAWN BY: MEP
 CHECKED BY: MAW
 DATE: 7/1/2022
 DRAWING NUMBER:
2
 SHEET NUMBER: 2 OF 24
 PROJECT NO: 2021054
 PHASE: 1

Filename: F:\ROCKAWAY\2021054 QUEENS ROAD_CADD\DWG\CONSTRUCTION DRAWINGS\2021054-03-LT.DWG Plot Date: 7/1/2022 9:04 AM Plotted By: RYAN MANGANO



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REVISIONS

TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

LAYOUT & TIE PLAN

CLIENT:
PROJECT:
DRAWING TITLE:

STATE OF NEW JERSEY
MICHAEL A. WILSON
Professional Engineer
License #49371

SCALE: 1"=20'

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CHECKED BY: MAW

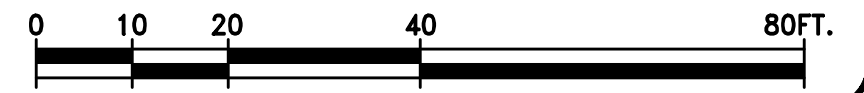
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SHEET NUMBER: 3 OF 24

PROJECT NO: 2021054

PHASE: 1



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REVISIONS

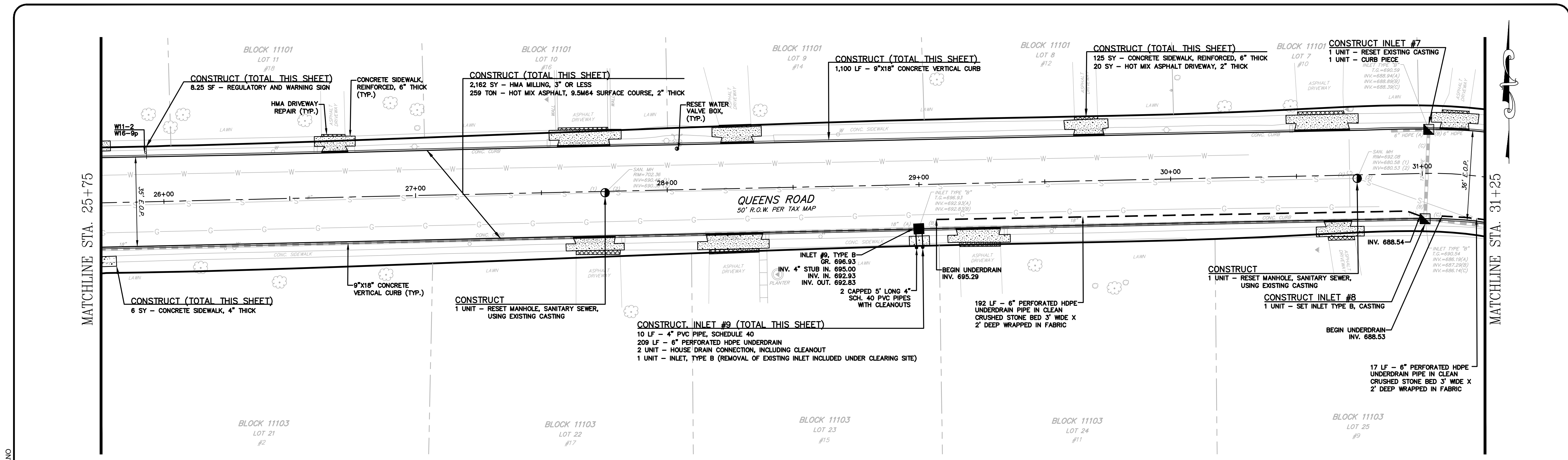
TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

CONSTRUCTION PLAN & PROFILE

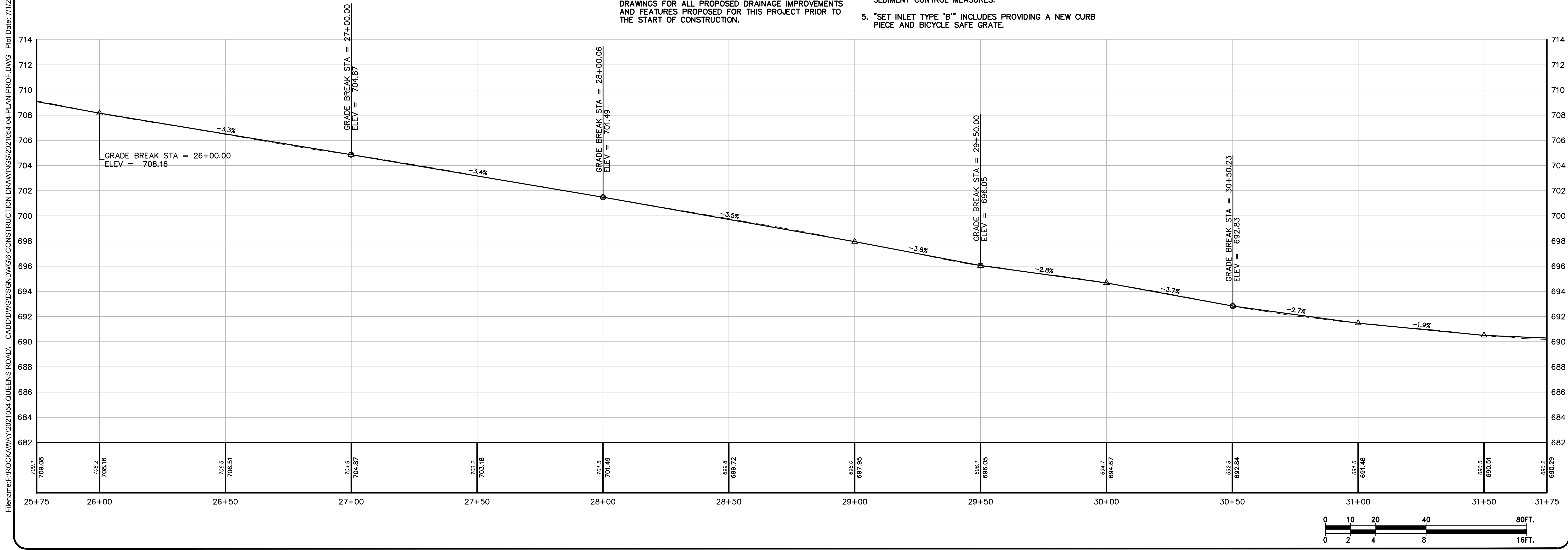
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SCALE: 1"=20'H, 1"=4'V
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DATE: 7/1/2022
DRAWING NUMBER:
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SHEET NUMBER: 7 OF 24
PROJECT NO: 2021054
PHASE: 1



- NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR RESETTING OR REPLACING ANY EXISTING FEATURES ALONG INDIVIDUAL PROPERTIES (I.E. MAILBOXES, WALLS, GRANITE CURB, LANDSCAPE PLANTERS, RAILROAD TIES, STONES, ETC.) IF THEY ARE DISTURBED DURING CONSTRUCTION AND RESETTING ALL SHALL BE INCLUDED IN THE ITEM 'CLEARING SITE' AND MUST BE COMPLETED TO THE SATISFACTION OF THE ENGINEER.
 - CONTRACTOR SHALL SUBMIT FOR APPROVAL, SHOP DRAWINGS FOR ALL PROPOSED DRAINAGE IMPROVEMENTS AND FEATURES PROPOSED FOR THIS PROJECT PRIOR TO THE START OF CONSTRUCTION.
 - ALL UTILITY CASTINGS, INCLUDING WATER AND GAS VALVES LOCATED WITHIN THE LIMITS OF THE PROPOSED ROAD IMPROVEMENTS SHALL BE ADJUSTED TO GRADE. THE COST OF RESETTING THE CASTINGS TO GRADE SHALL BE INCLUDED IN THE ITEM HOT MIX ASPHALT 9.5M64 SURFACE COURSE
 - INLET FILTERS SHALL BE PLACED IN ALL EXISTING AND PROPOSED INLETS UNTIL CONSTRUCTION IS COMPLETE. NO SEPARATE PAYMENT WILL BE MADE FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES.
 - "SET INLET TYPE 'B'" INCLUDES PROVIDING A NEW CURB PIECE AND BICYCLE SAFE GRATE.



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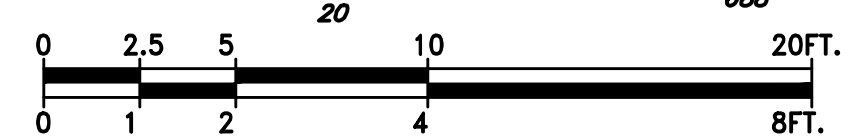
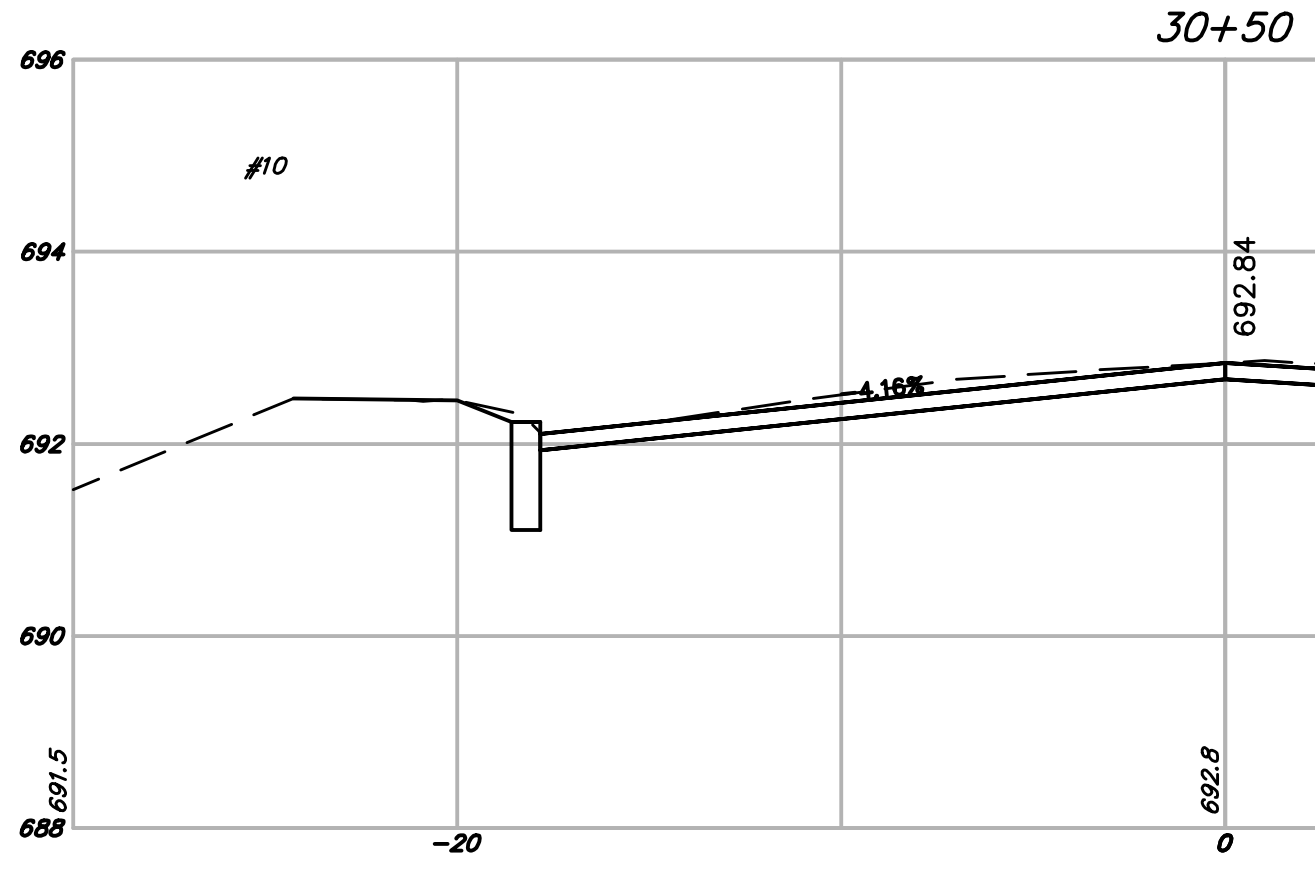
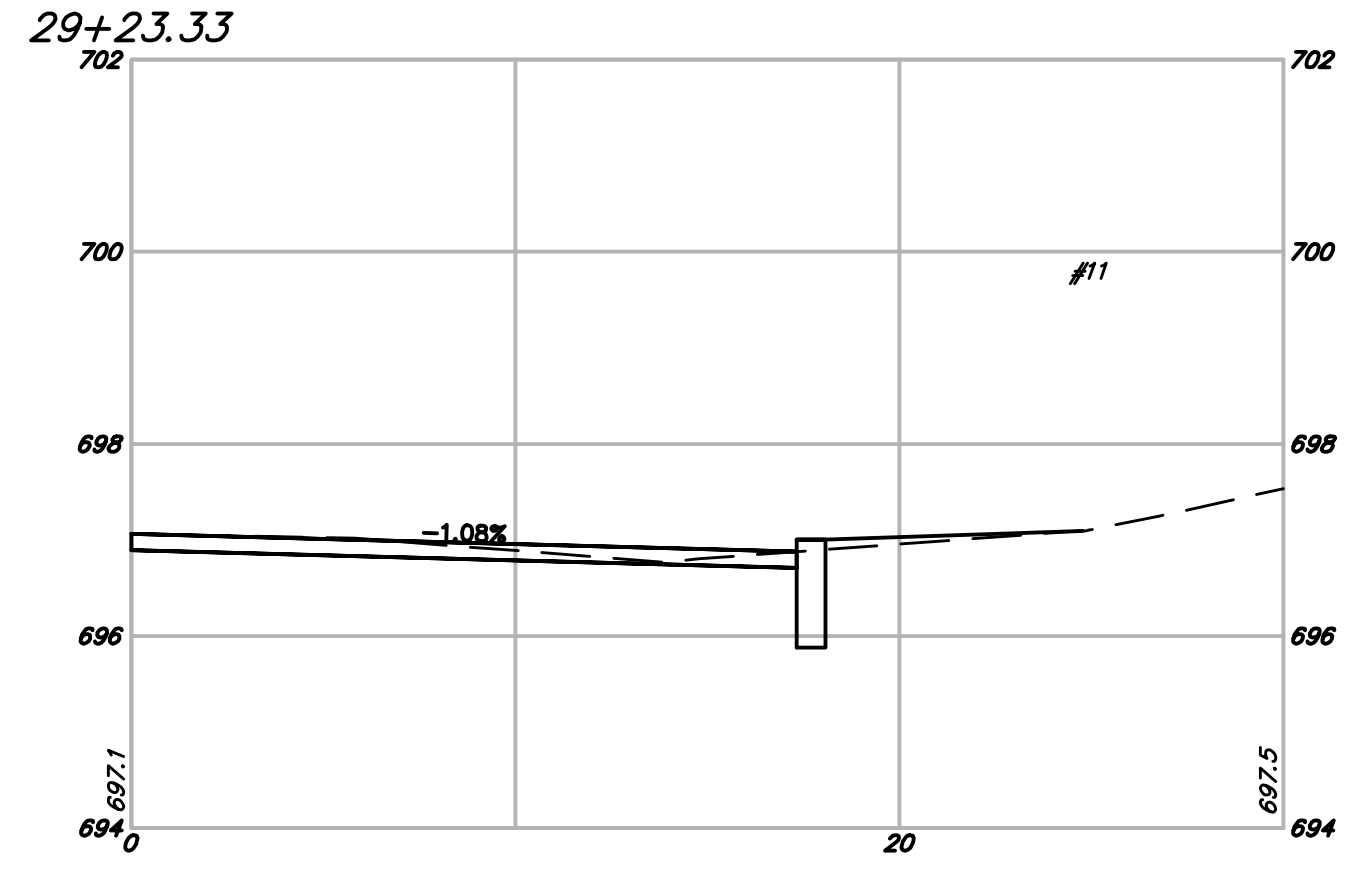
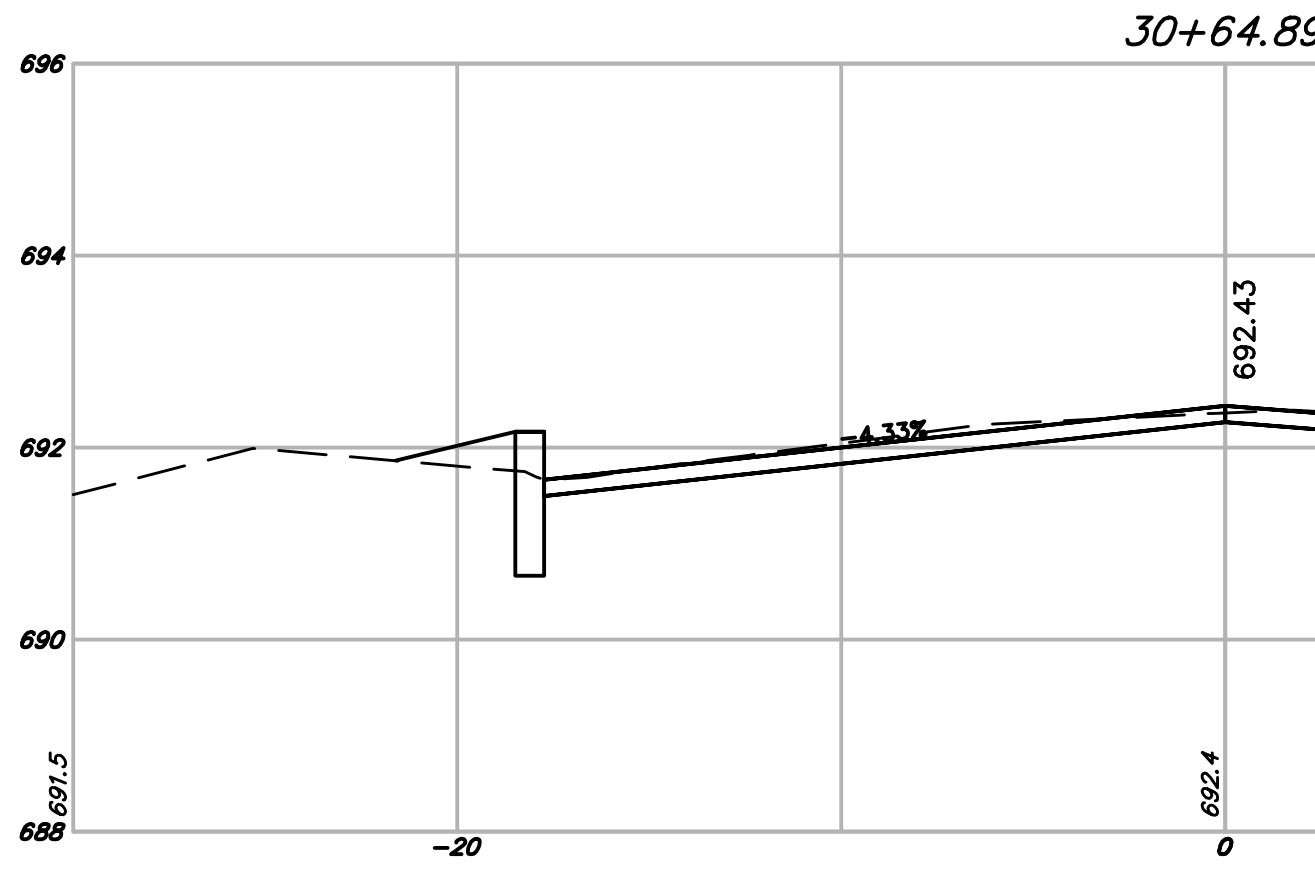
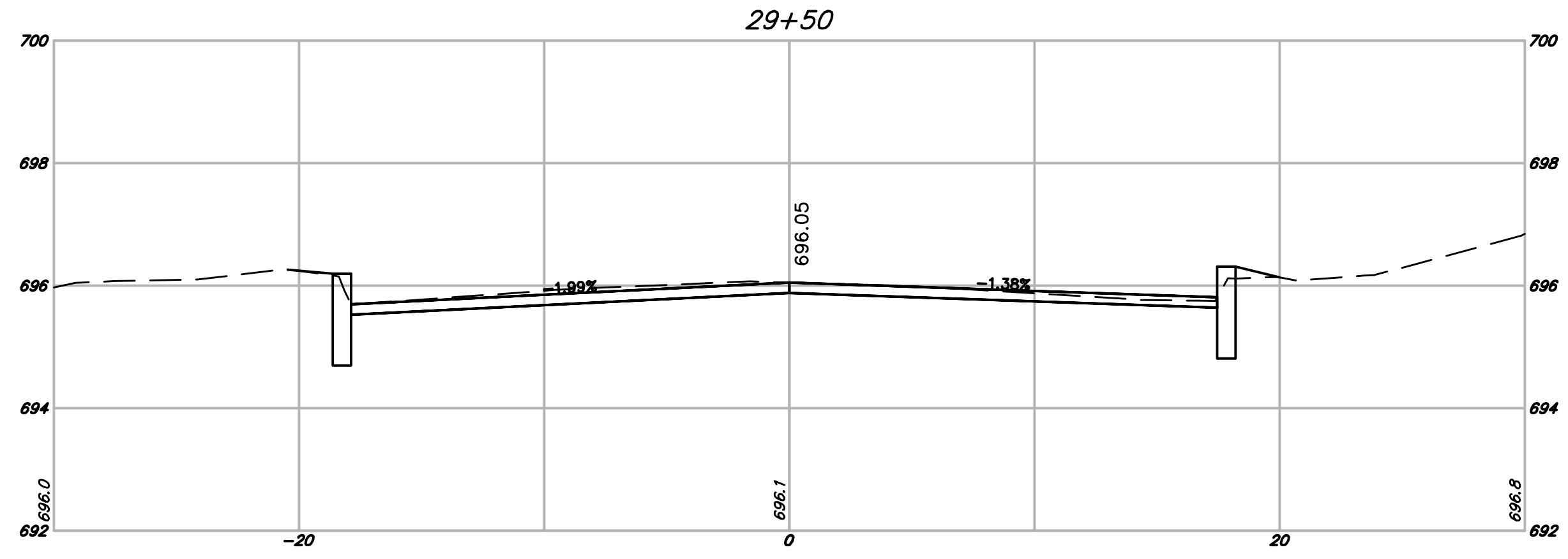
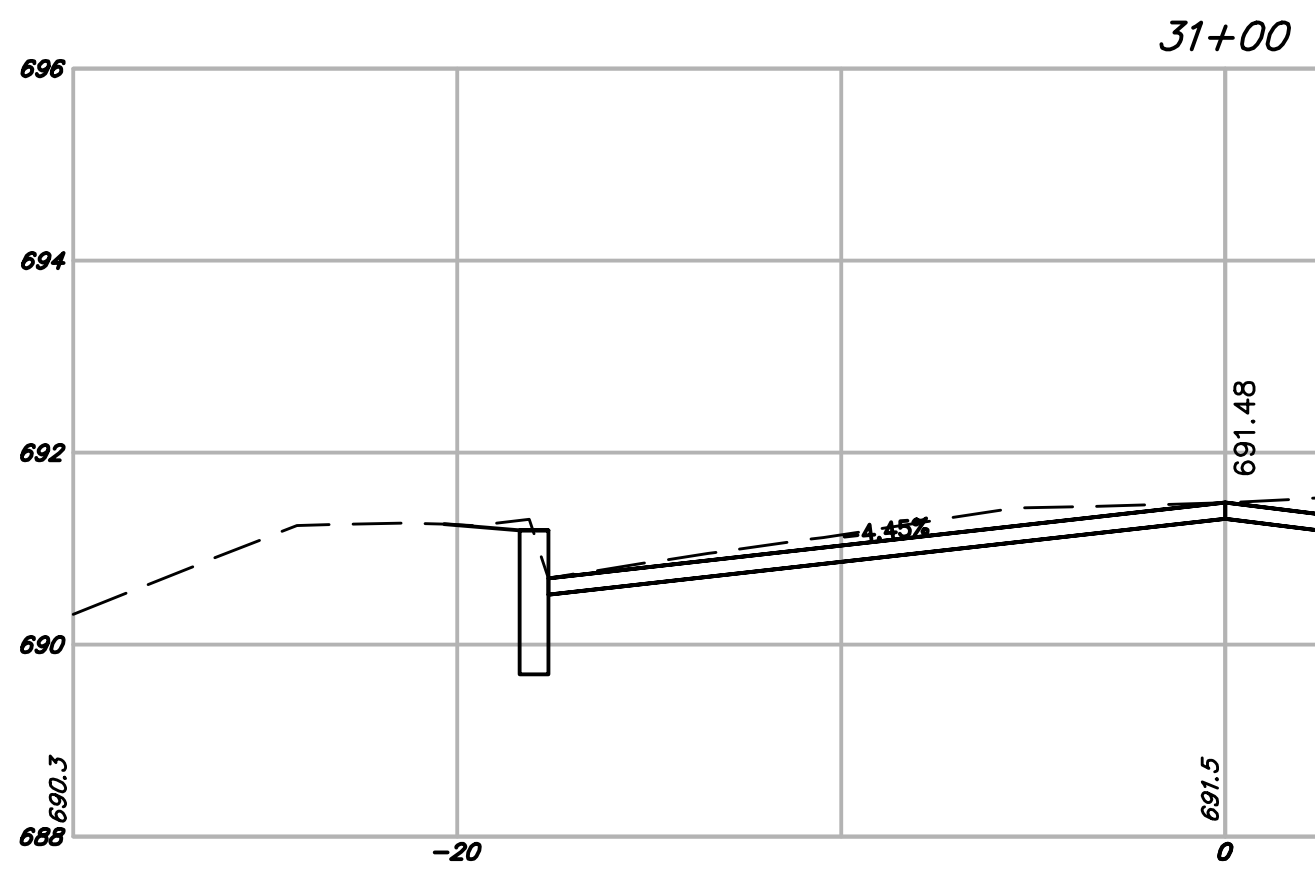
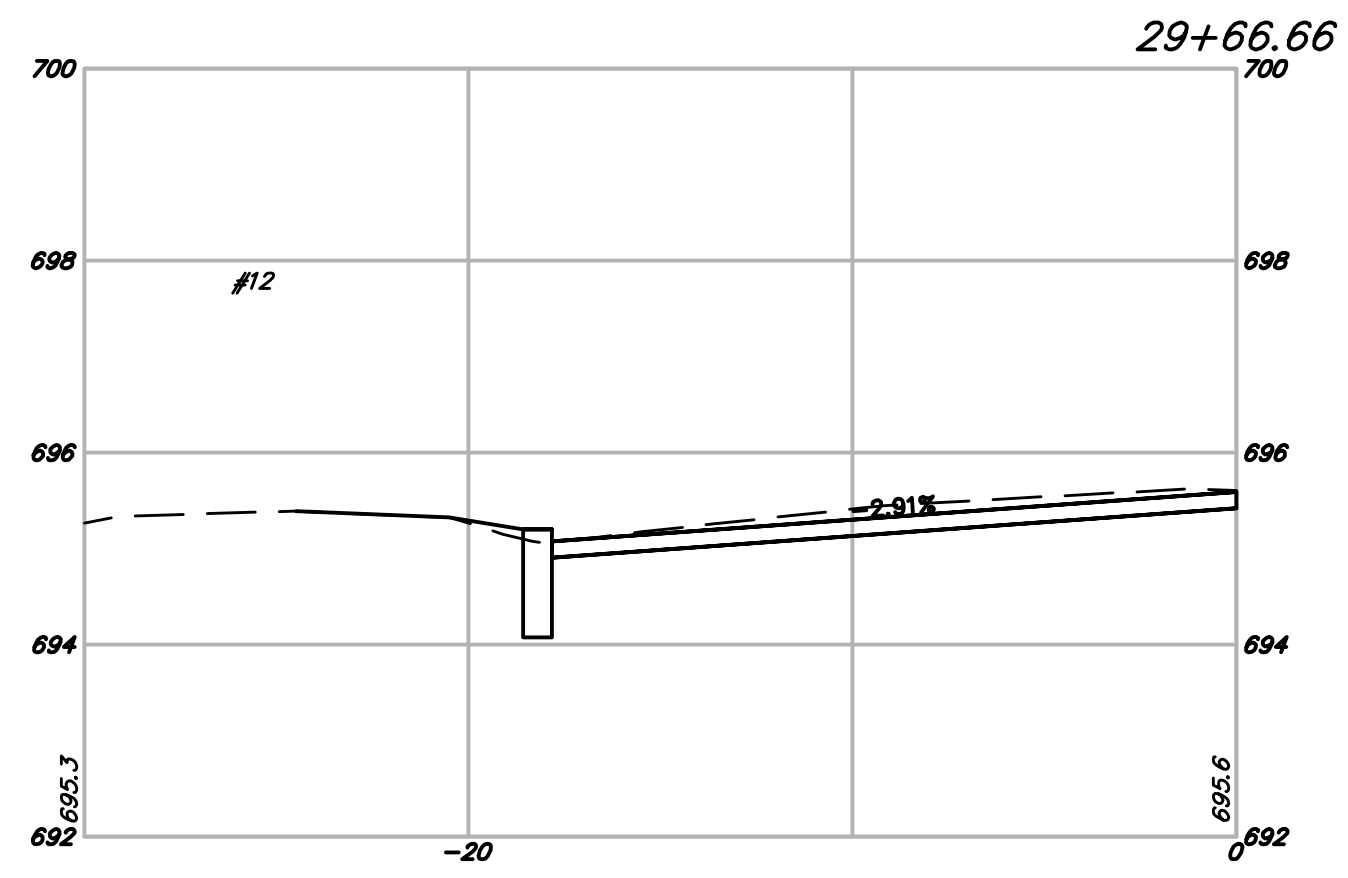
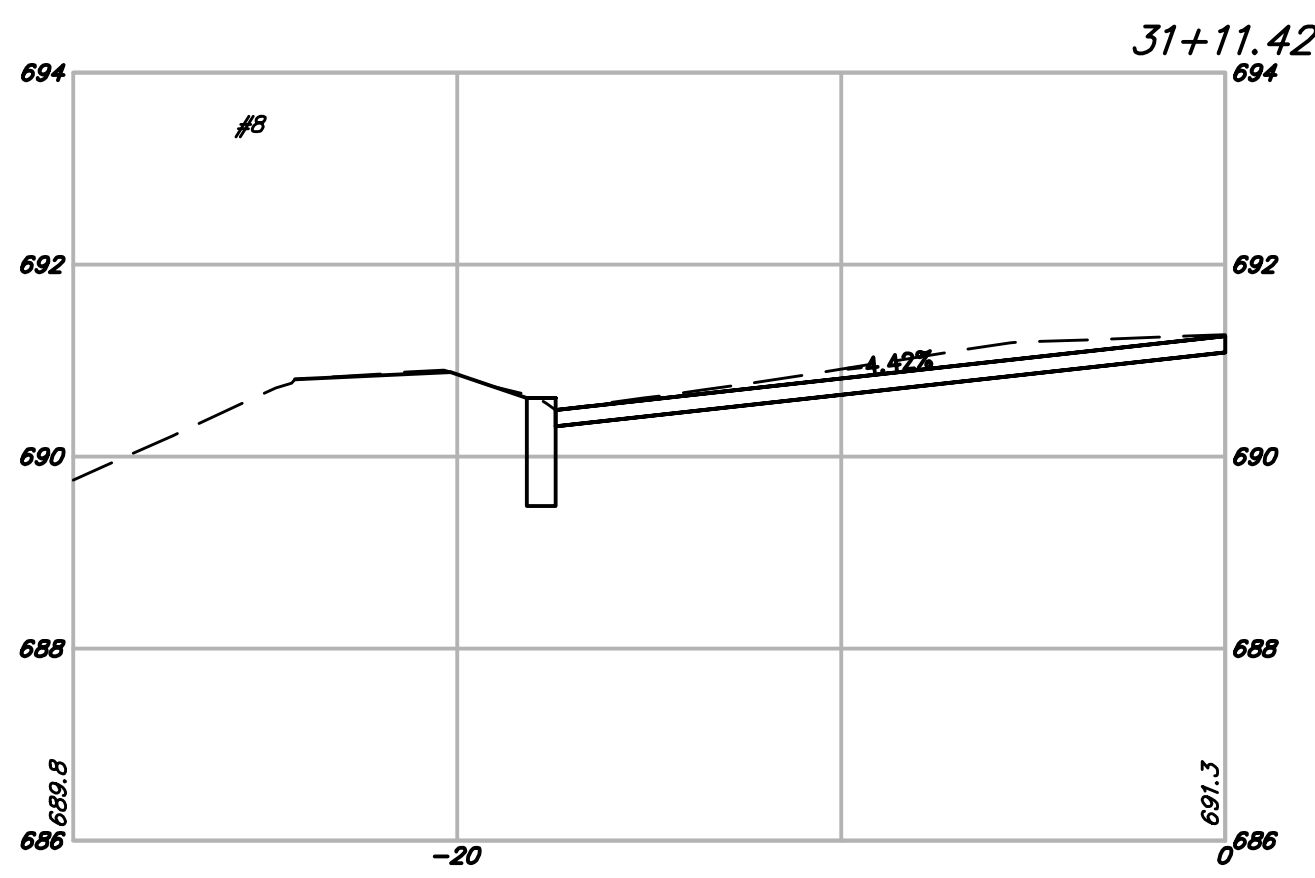
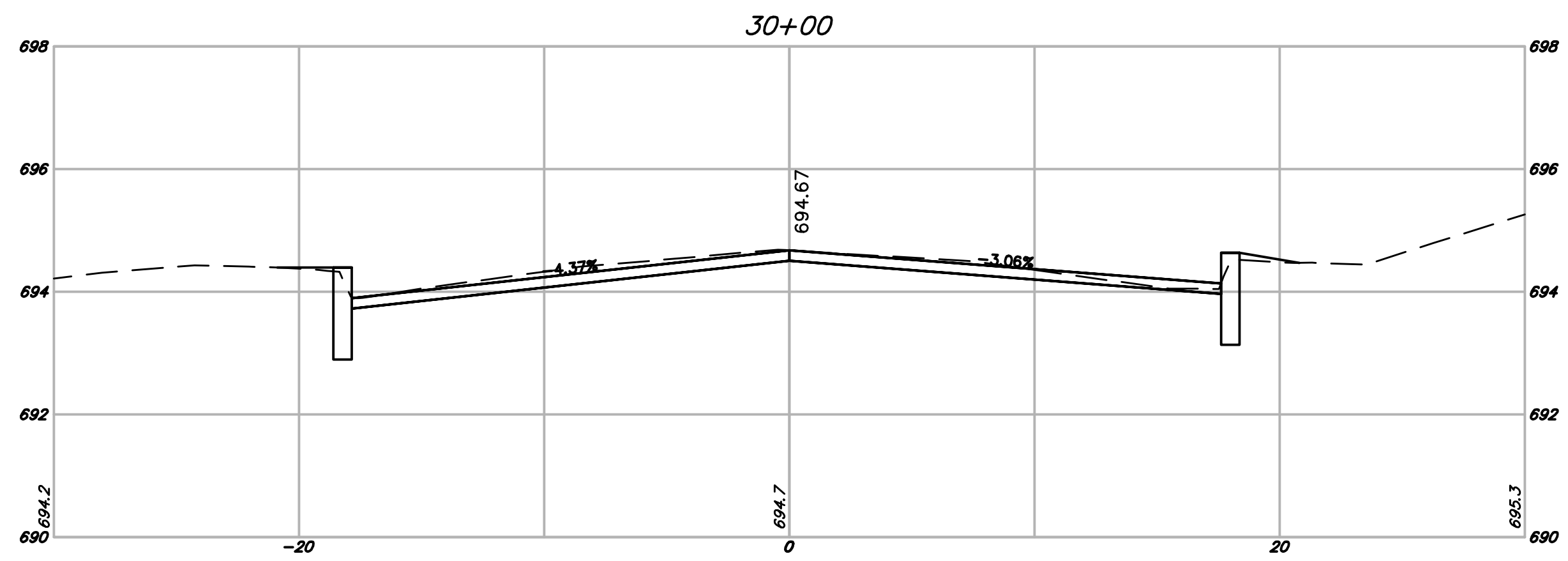
REVISIONS

TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

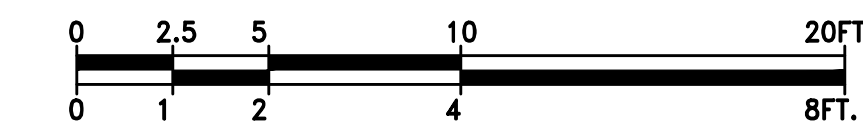
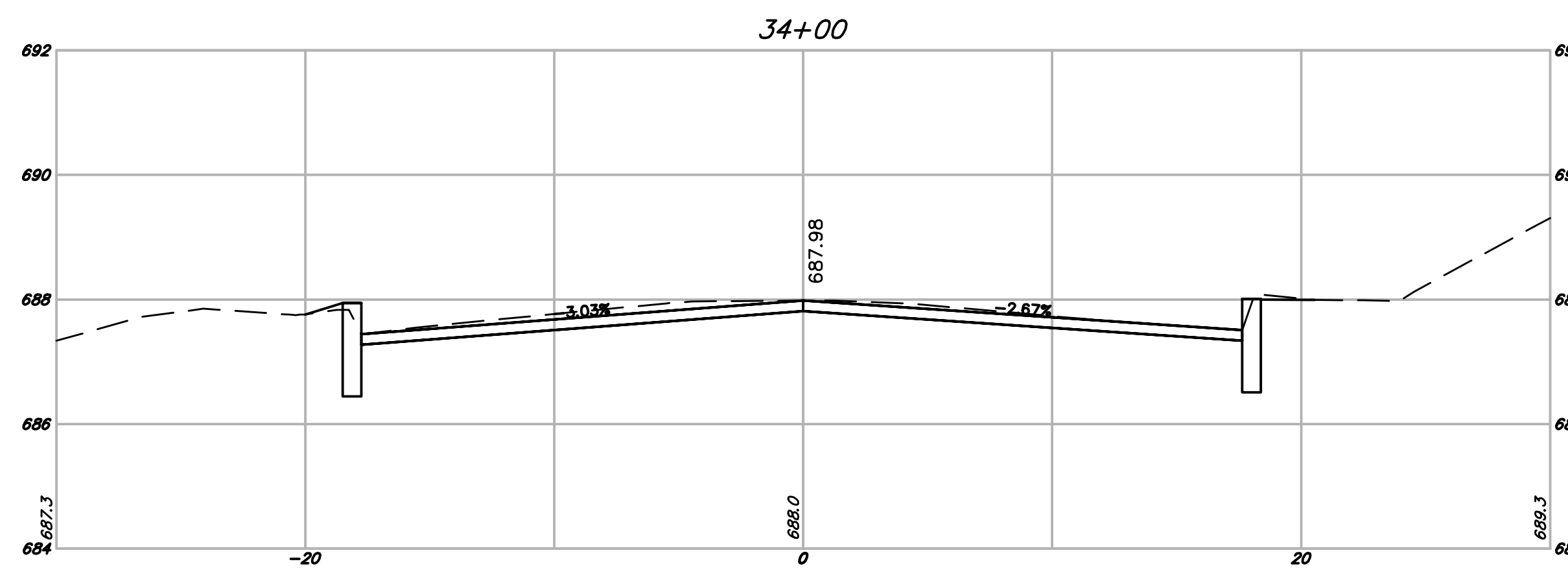
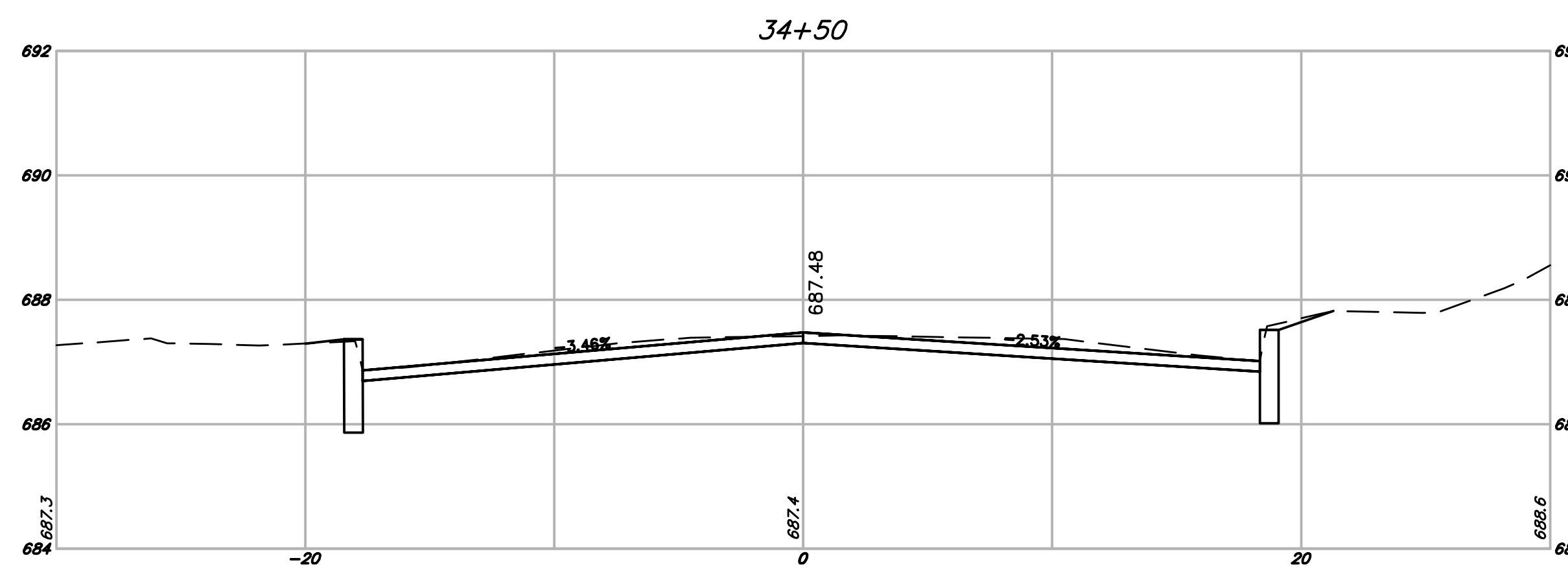
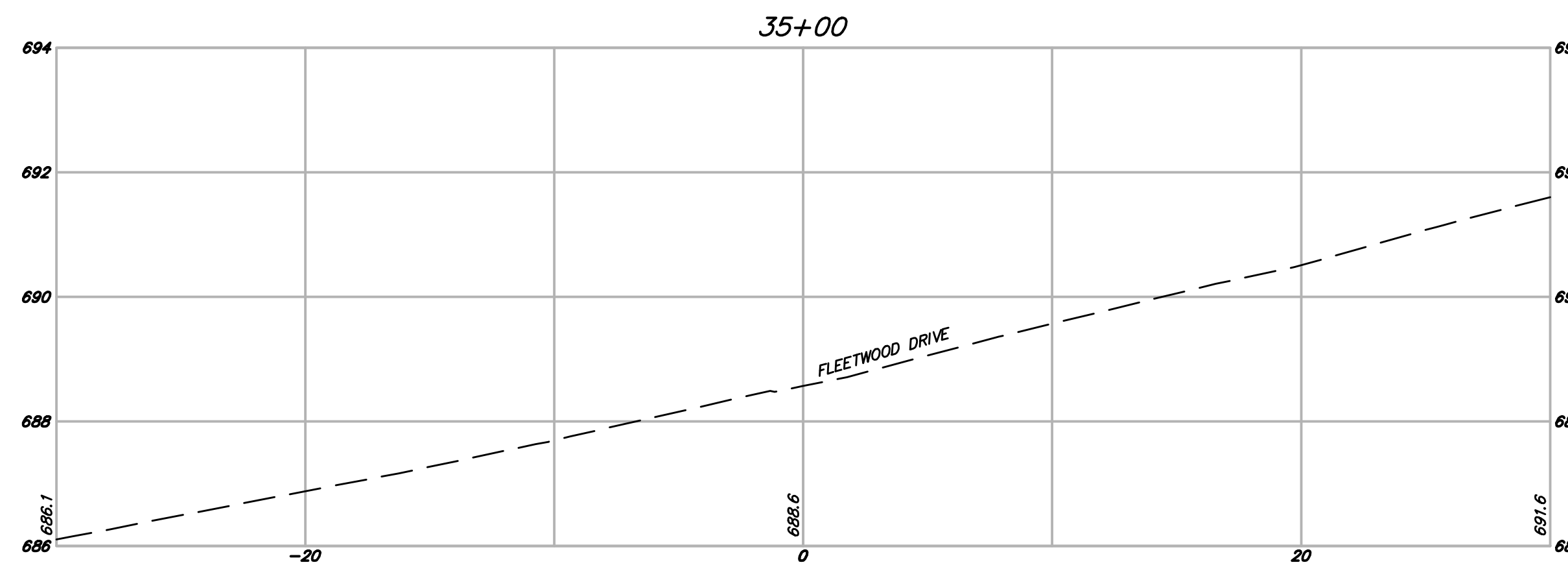
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PROJECT: _____
DRAWING TITLE: **CROSS-SECTIONS**

STATE OF NEW JERSEY
MICHAEL A. WILSON
Professional Engineer
License #49371

SCALE: 1"=5H, 1"=2V
DRAWN BY: MEP
CHECKED BY: MAW
DATE: 7/1/2022
DRAWING NUMBER:
15
SHEET NUMBER: 15 OF 24
PROJECT NO: 2021054
PHASE: 1



Filename: F:\ROCKAWAY\2021054 QUEENS ROAD\CADD\DWG\SCNDWG\CONSTRUCTION DRAWINGS\2021054-05-SECTIONS.DWG Plot Date: 7/1/2022 9:07 AM Plotted By: RYAN MANGANO



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1	7/1/2022 - PER NJDOT COMMENTS

REVISIONS

TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

CLIENT:
PROJECT:
DRAWING TITLE:

CROSS-SECTIONS

STATE OF NEW JERSEY
NO. 49371
MICHAEL J. CALOENSEN
Professional Engineer
License #49371

SCALE: 1"=5'H, 1"=2'V

DRAWN BY: MEP

CHECKED BY: MAW

DATE: 7/1/2022

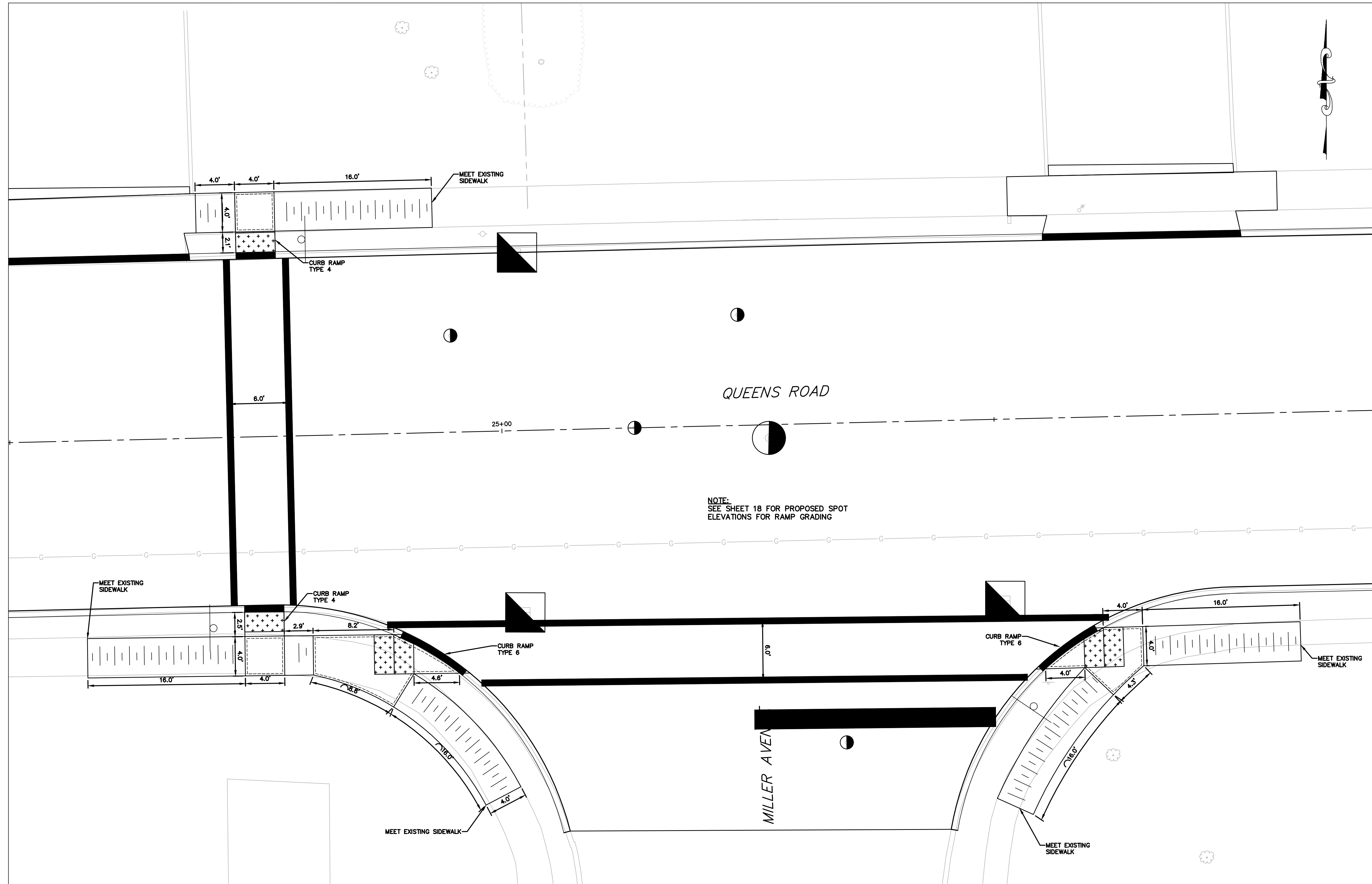
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SHEET NUMBER: 17 OF 24

PROJECT NO: 2021054

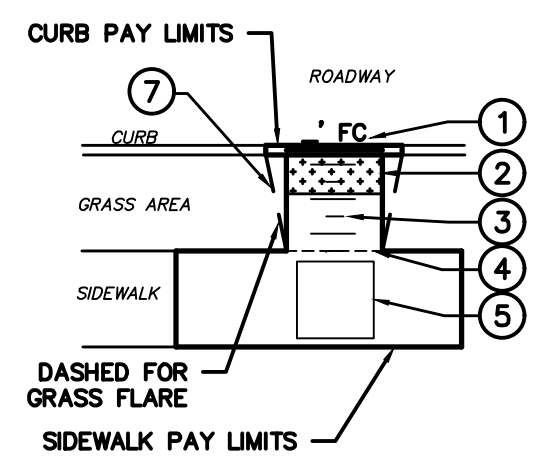
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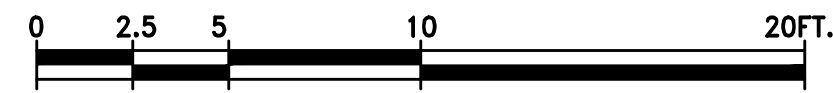
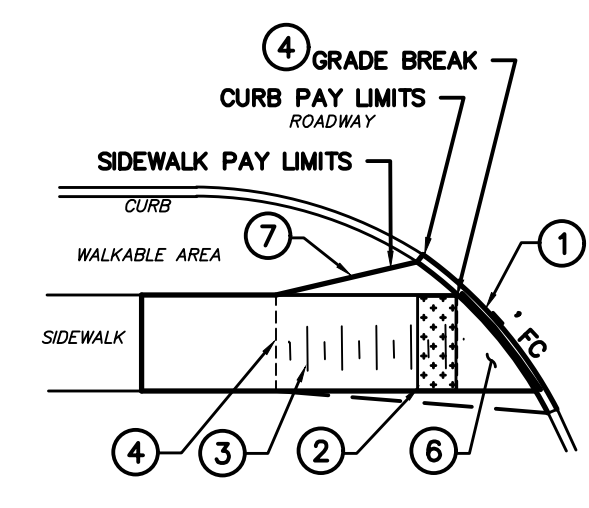
NOTE:
SEE SHEET 18 FOR PROPOSED SPOT
ELEVATIONS FOR RAMP GRADING

QUEENS ROAD AND MILLER AVENUE – LAYOUT



CURB RAMP LEGEND – ALTERATION WORK

- NOTES:
1. DENOTES DEPRESSED FLUSH CURB (FC) AT THE ROADWAY. CROSS SLOPE <2% PREFERRED BUT ROAD GUTTER SLOPE TO BE MET. WIDTH OF RAMP 4' OR 5' AS SHOWN ON PLANS.
 2. DENOTES DETECTABLE WARNING SURFACE. DWS TO EXTEND THE WIDTH OF FLUSH CURB.
 3. DENOTES CONCRETE RAMP; RUNNING SLOPE CANNOT EXCEED 8.3% AND CROSS SLOPE AT TOP OF RAMP NOT TO EXCEED 2%.
 4. DENOTES A GRADE BREAK IN THE SIDEWALK RAMP. GRADE BREAKS MUST ALWAYS BE PERPENDICULAR (OR RADIAL) TO THE DIRECTION OF TRAVEL OF THE PEDESTRIAN.
 5. SQUARE DENOTES A 4' X 4' MINIMUM TURNING LANDING; THE CROSS SLOPES FOR THIS AREA CANNOT EXCEED 2% IN BOTH DIRECTIONS.
 6. TRIANGULAR WEDGE ON CURB RETURNS; RUNNING SLOPE <2% CROSS SLOPE <2% OR BEST MEET EXISTING ROAD GUTTER GRADE.
 7. RAMP FLARES, CONCRETE AT 10:1 GRADE ADJACENT TO PAVED WALKABLE AREAS. FLARE ADJACENT TO GRASS OR LANDSCAPED AREAS ARE NOT PAVED AND GRADED TO RAMP, 3:1 MAX.



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#21MH00012700

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1 7/1/2022 - PER NJDOT COMMENTS
REVISIONS

CLIENT: TOWNSHIP OF ROCKAWAY
PROJECT: QUEENS ROAD SECTION I ROADWAY IMPROVEMENTS
DRAWING TITLE: ADA CURB RAMP PLAN
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

STATE OF NEW JERSEY
MICHAEL A. WILSON
Professional Engineer
License #49371

SCALE: 1"=5'

DRAWN BY: MEP

CHECKED BY: MAW

DATE: 7/1/2022

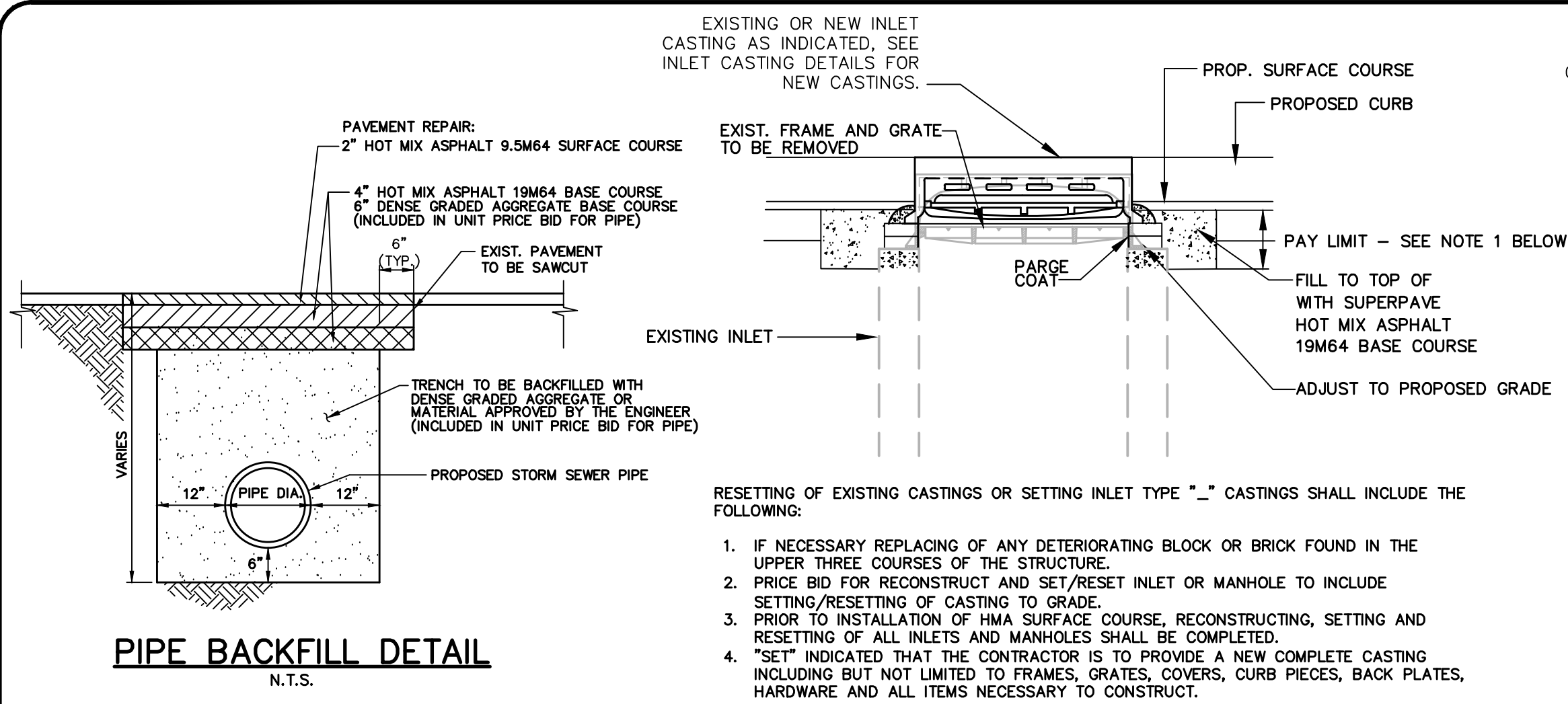
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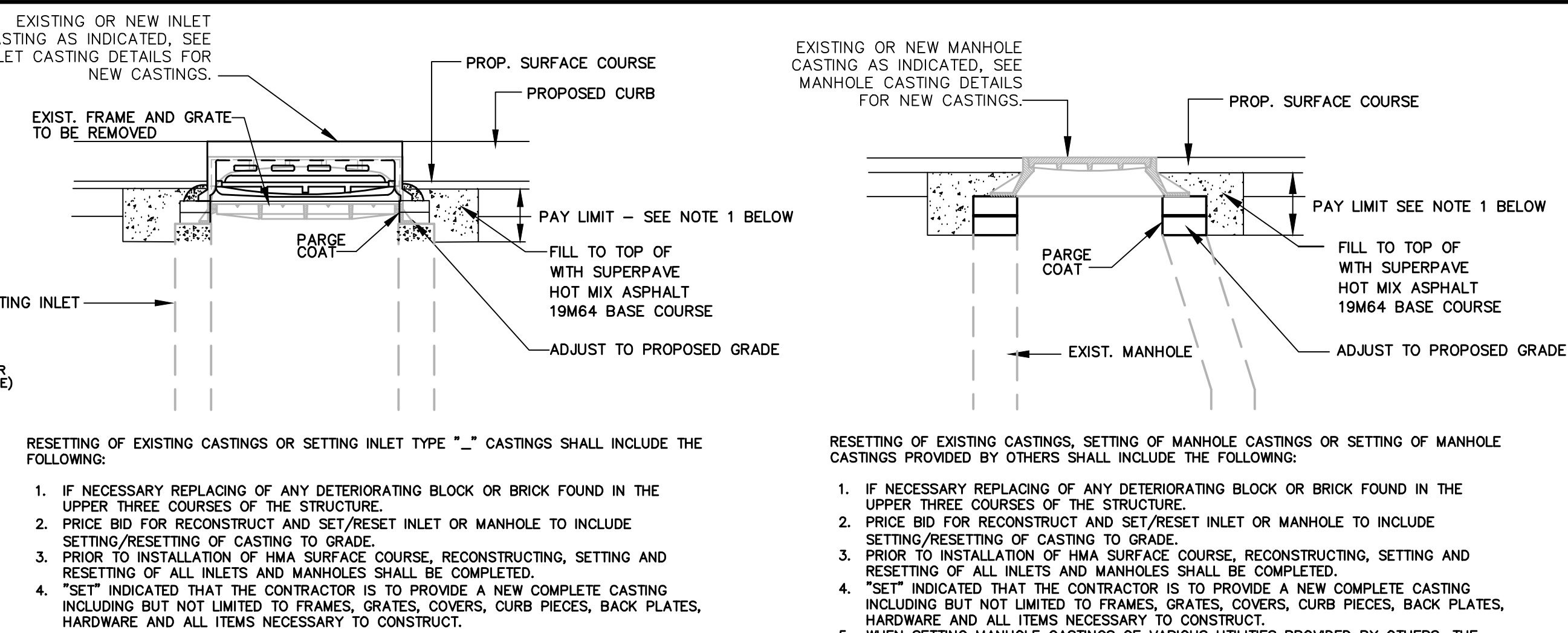
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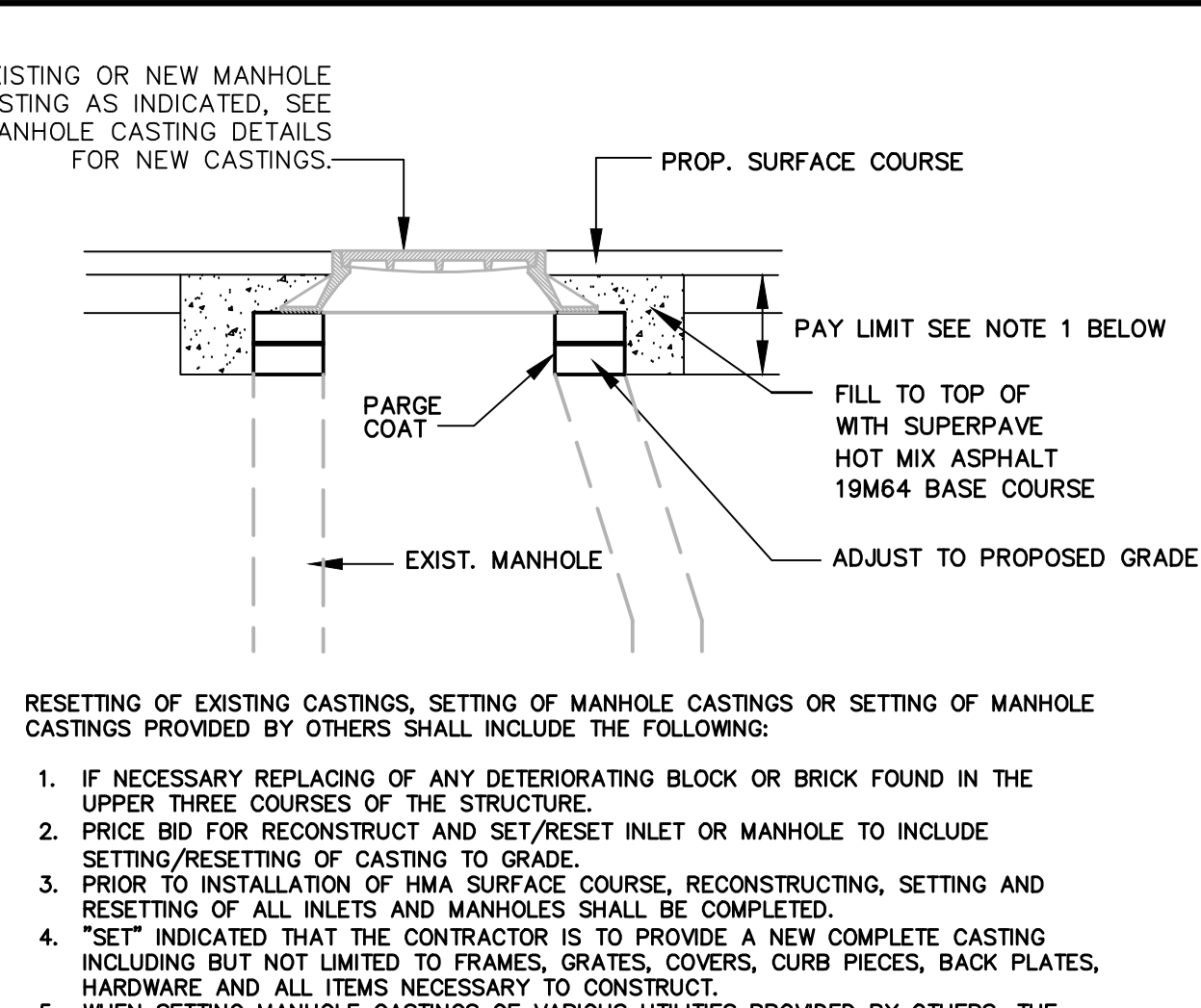
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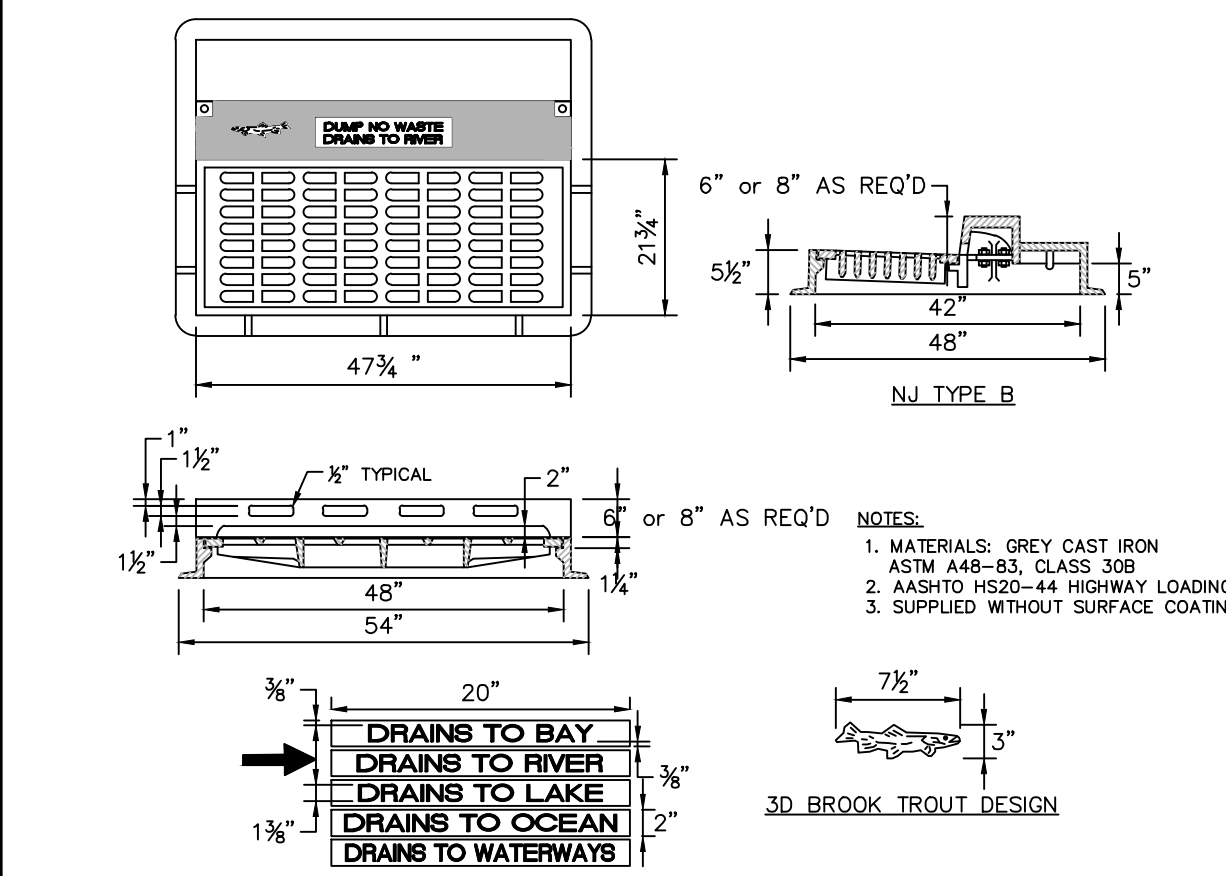
PIPE BACKFILL DETAIL
N.T.S.



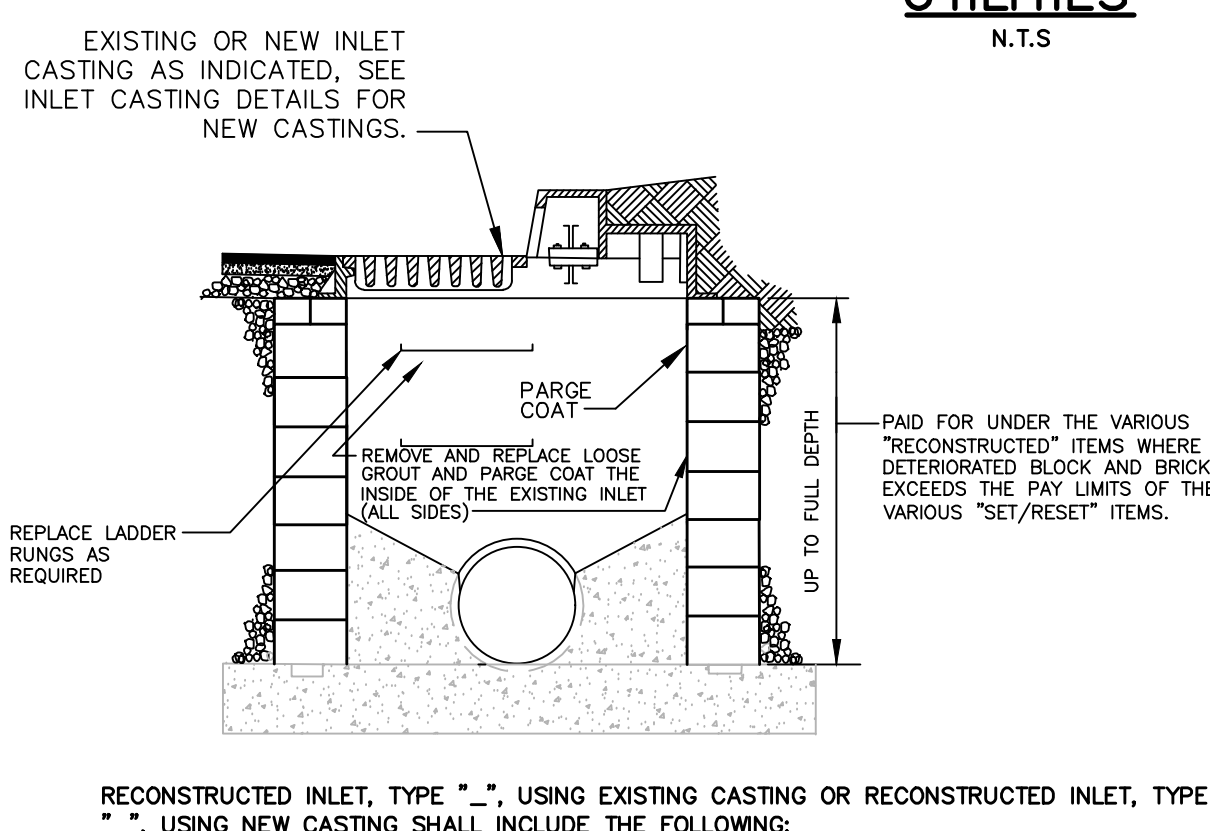
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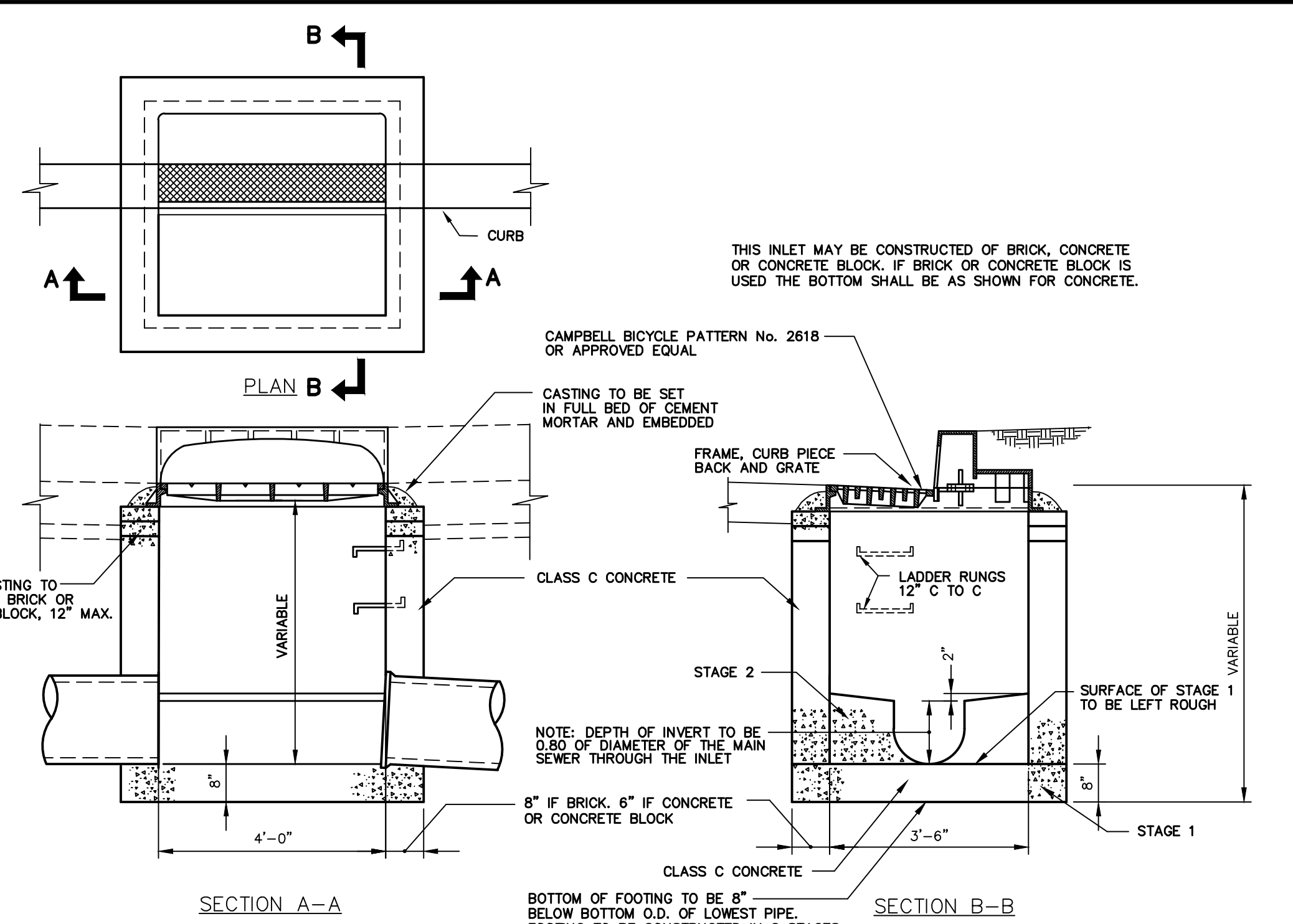
RESET EXISTING CASTING, SET MANHOLE CASTING OR SET MANHOLE CASTING, UTILITIES
N.T.S.



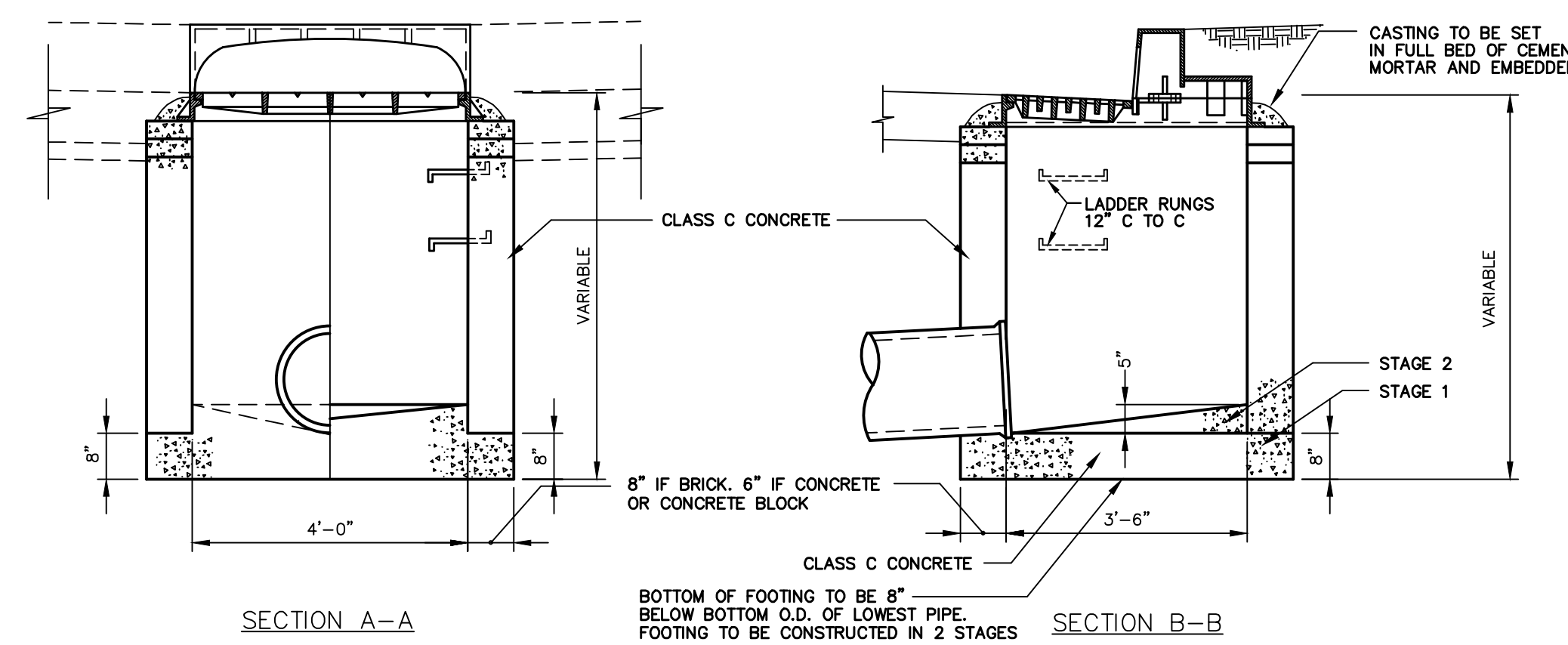
NEW INLET FRAME WITH BICYCLE SAFE GRATE AND ECO CURB PIECE (TYPE 'N')
N.T.S.



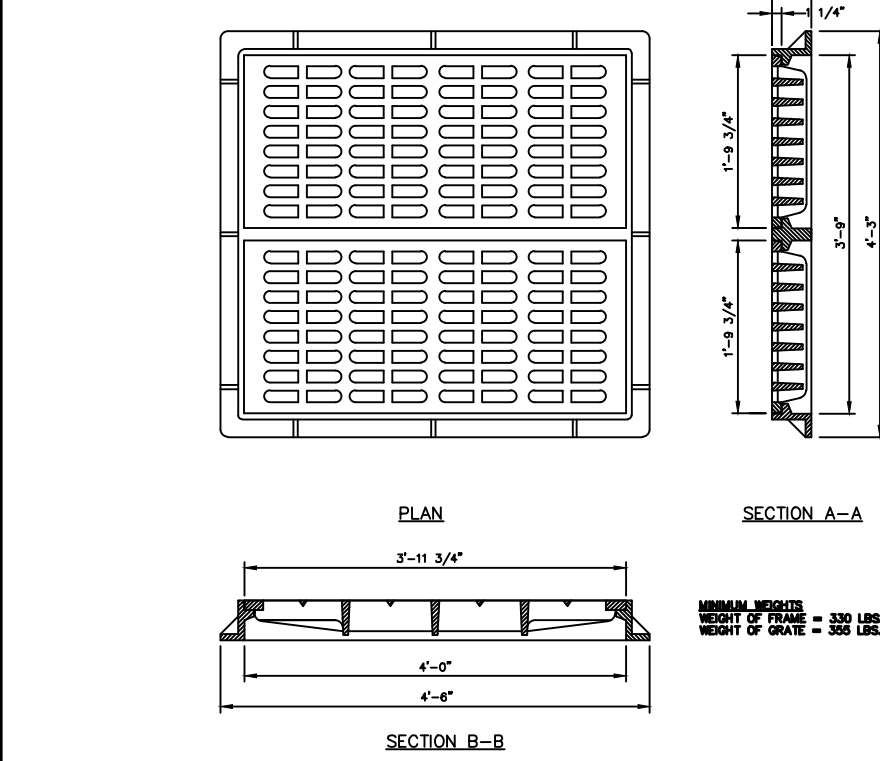
RECONSTRUCTED INLET, TYPE "N", USING EXISTING CASTING OR RECONSTRUCTED INLET, TYPE "N", USING NEW CASTING
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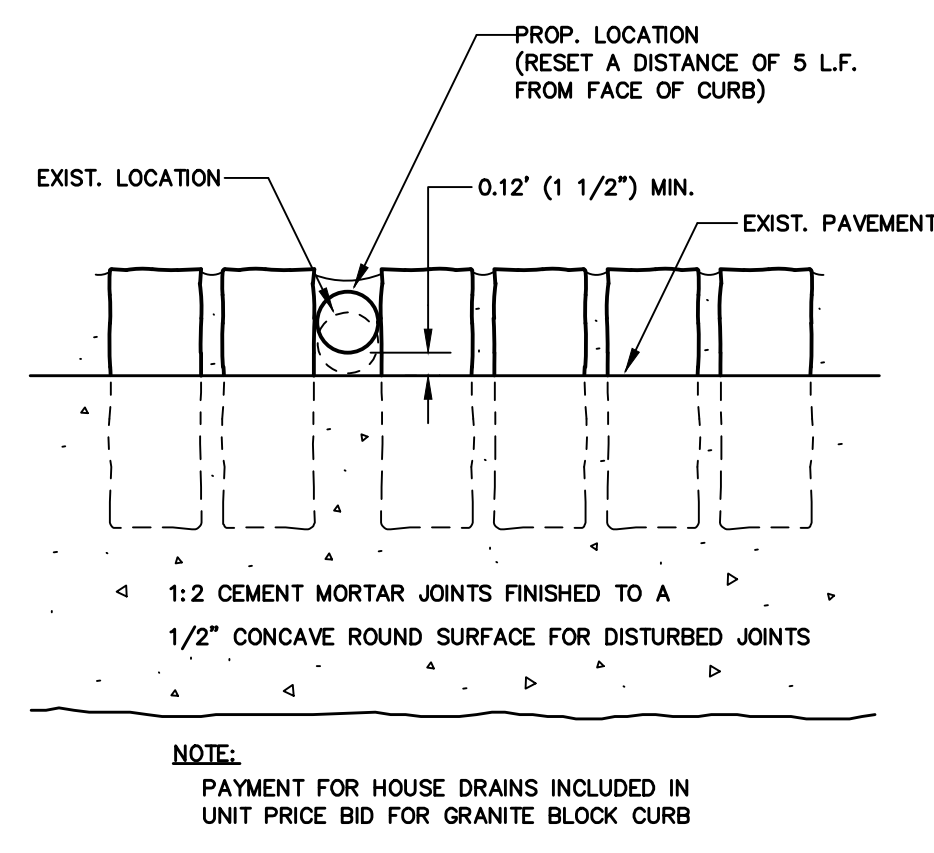
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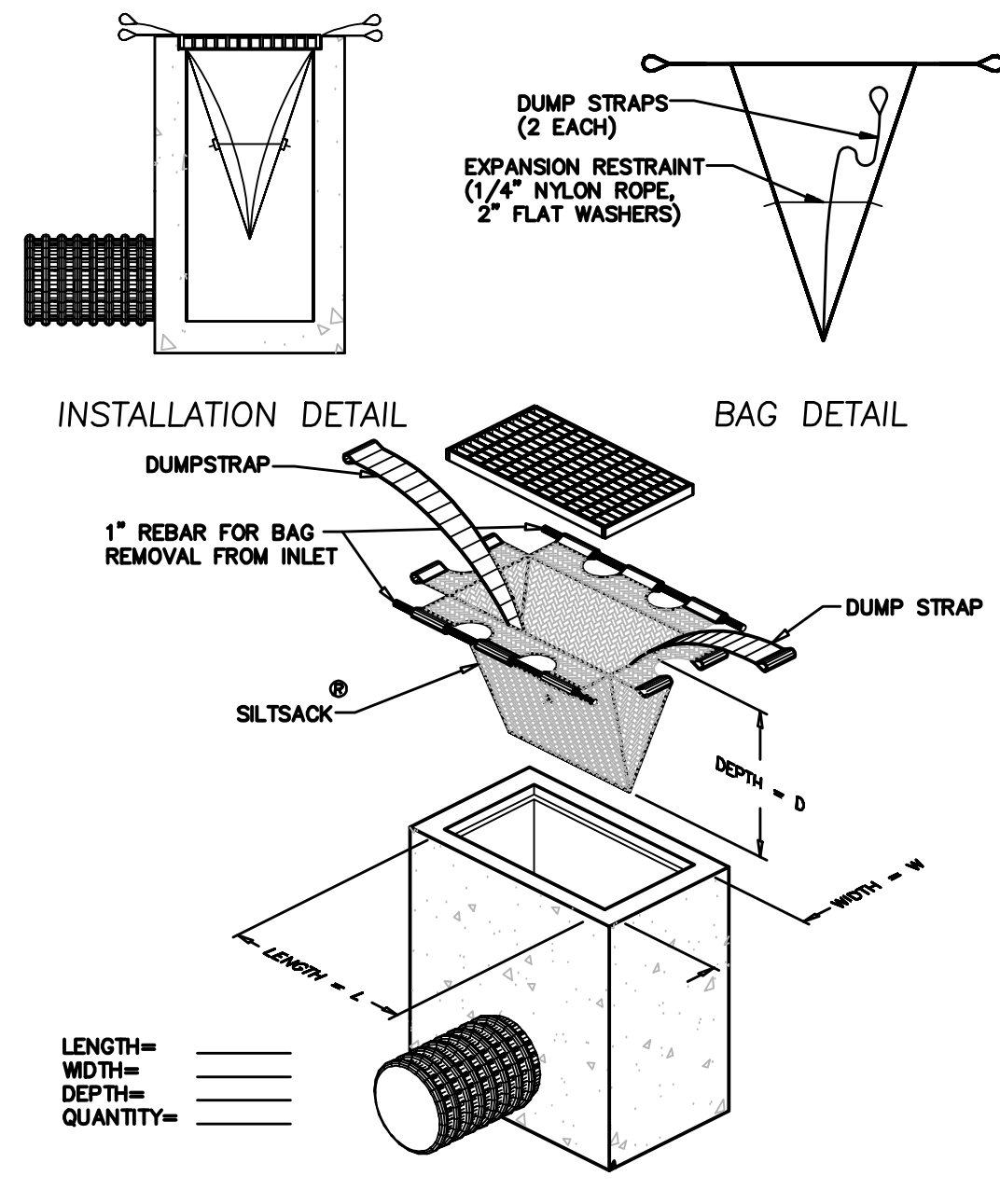
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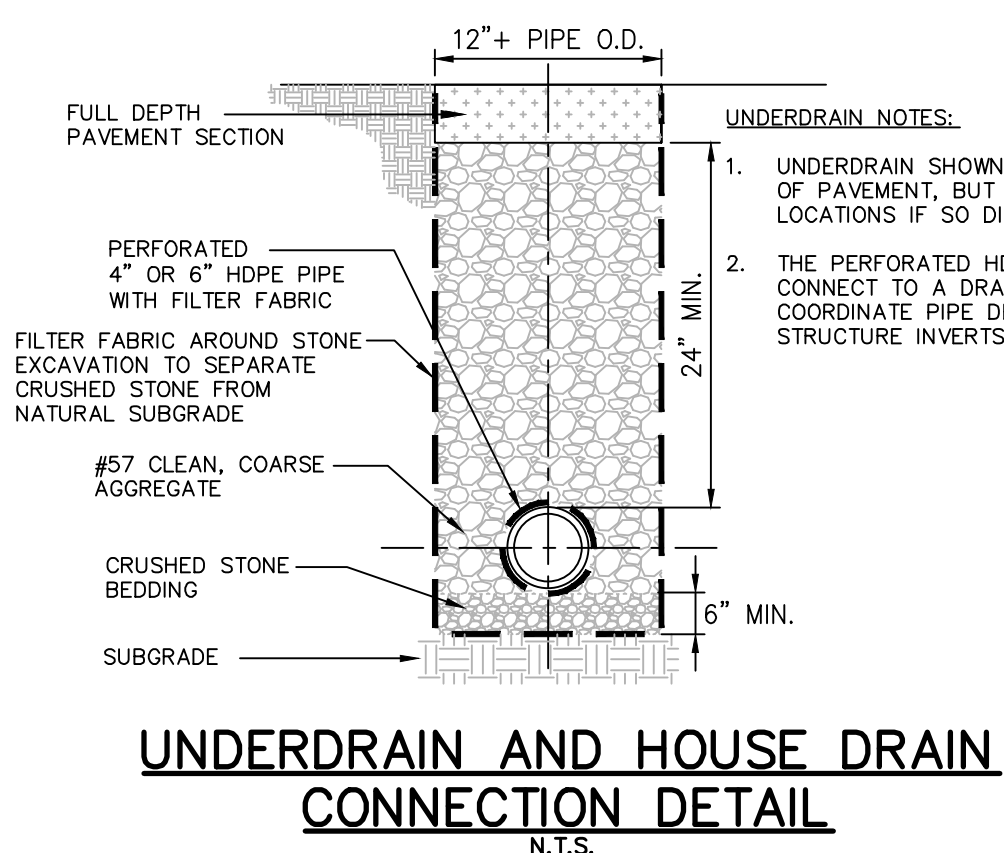
INLET CASTING TYPE 'E'
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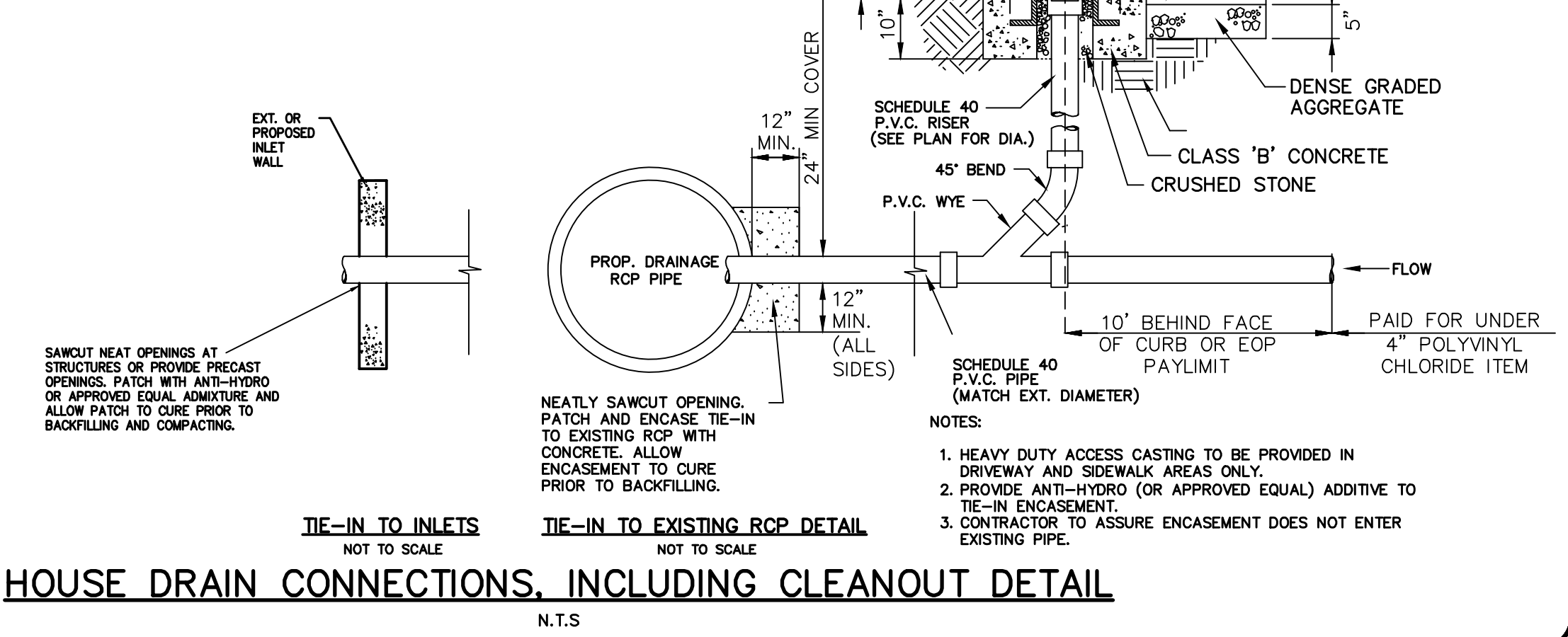
RESET HOUSE DRAIN DETAIL
N.T.S.



INLET FILTER DETAIL
N.T.S.



UNDERDRAIN AND HOUSE DRAIN CONNECTION DETAIL
N.T.S.



HOUSE DRAIN CONNECTIONS, INCLUDING CLEANOUT DETAIL
N.T.S.

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1	7/11/2022 - PER NJDOT COMMENTS

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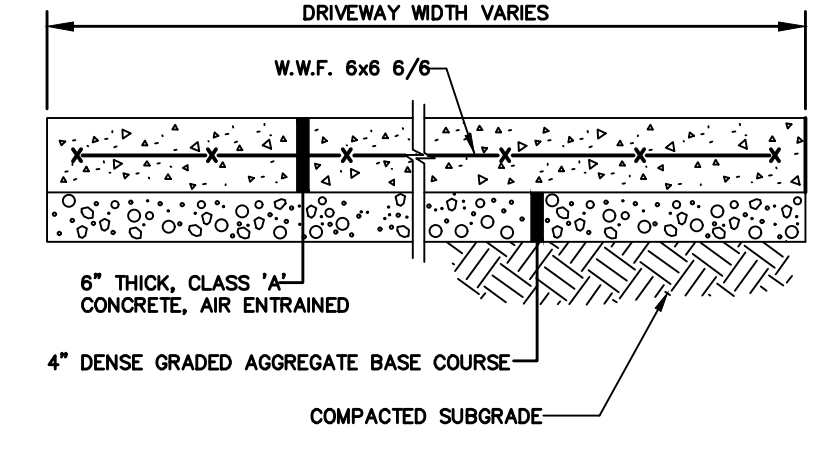
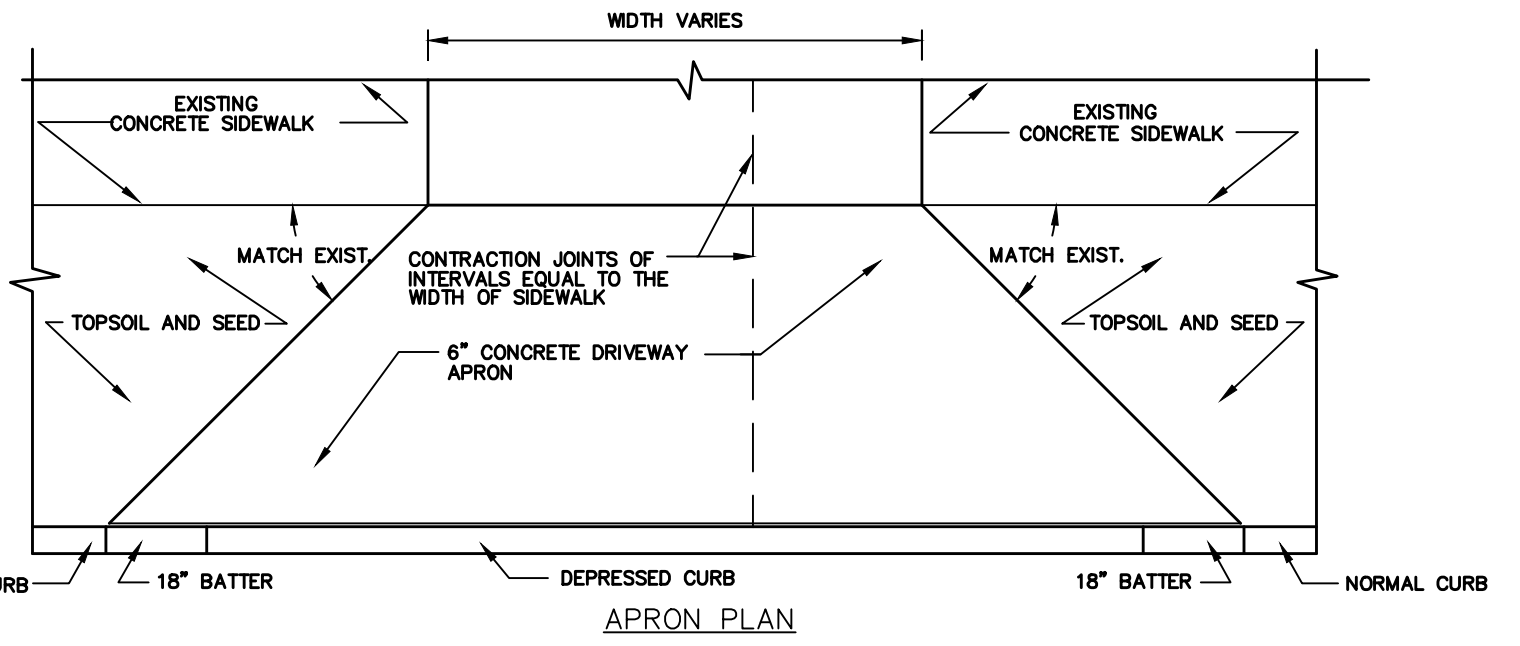
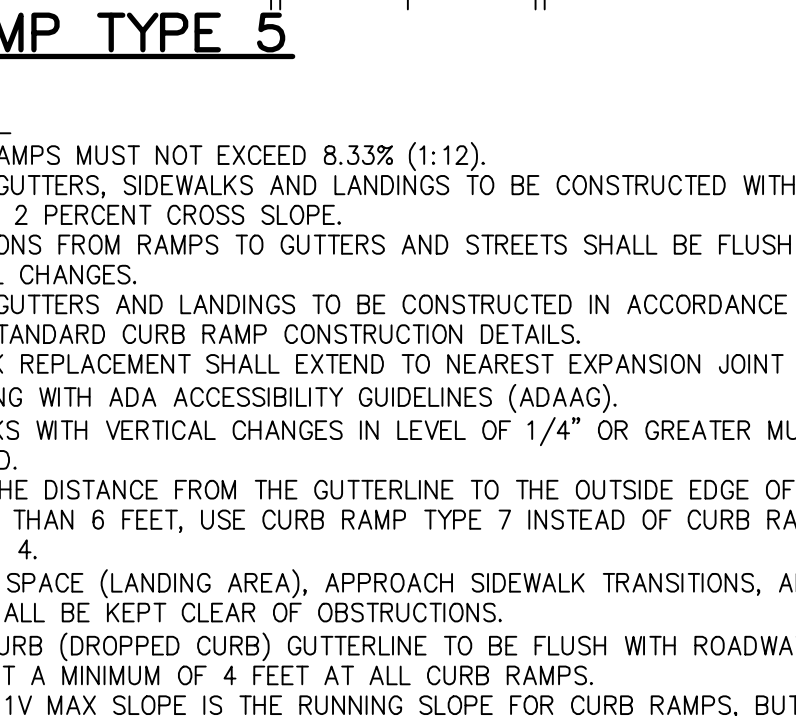
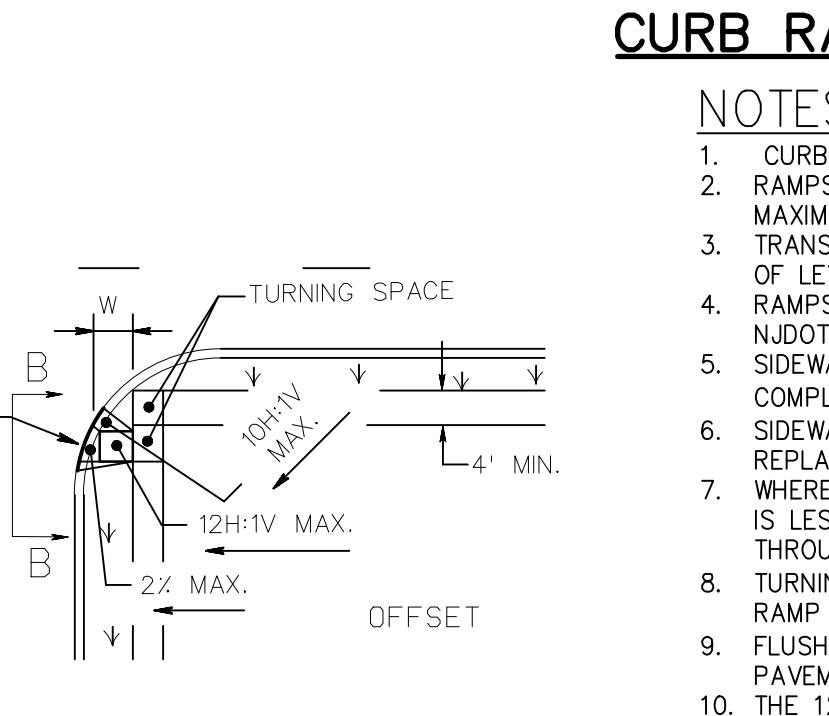
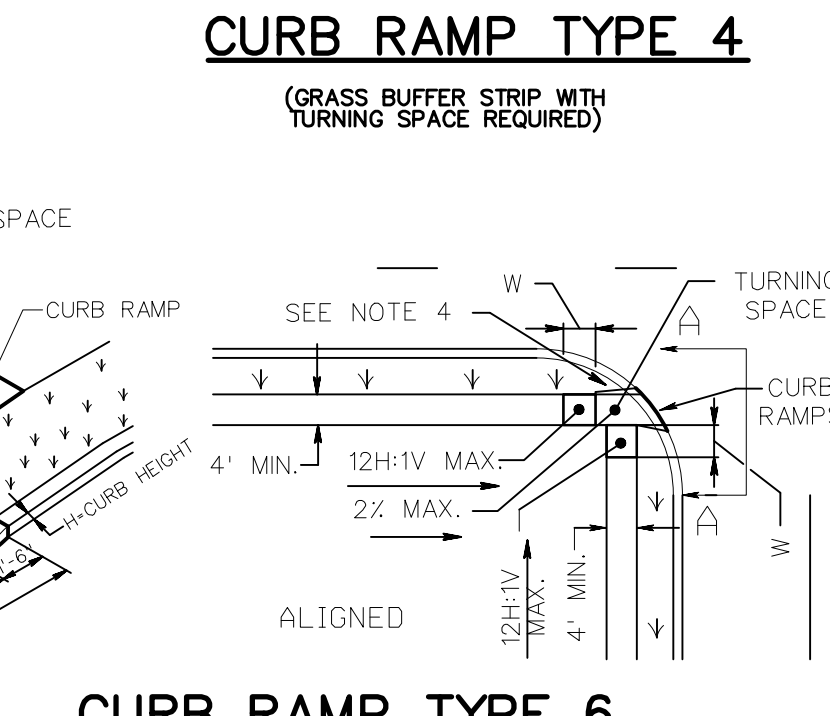
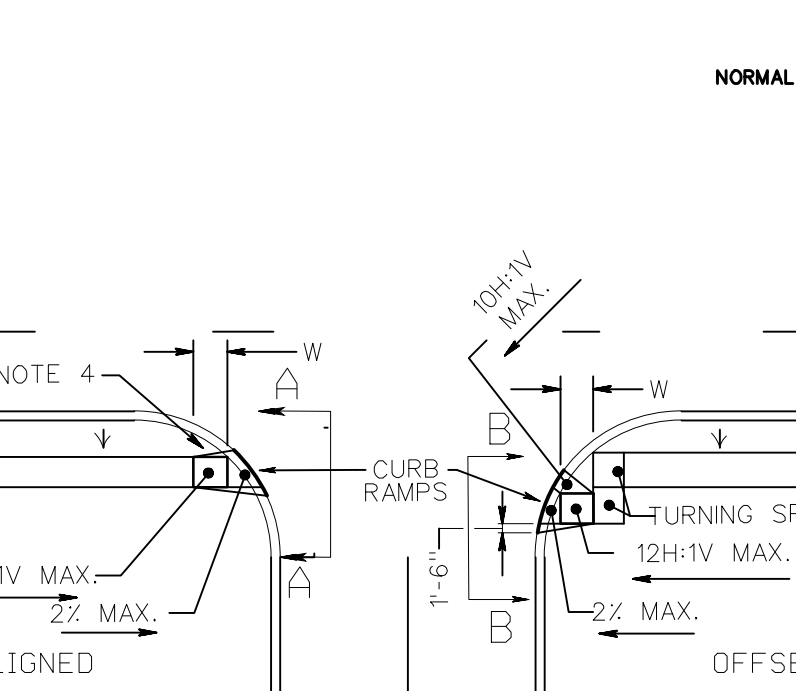
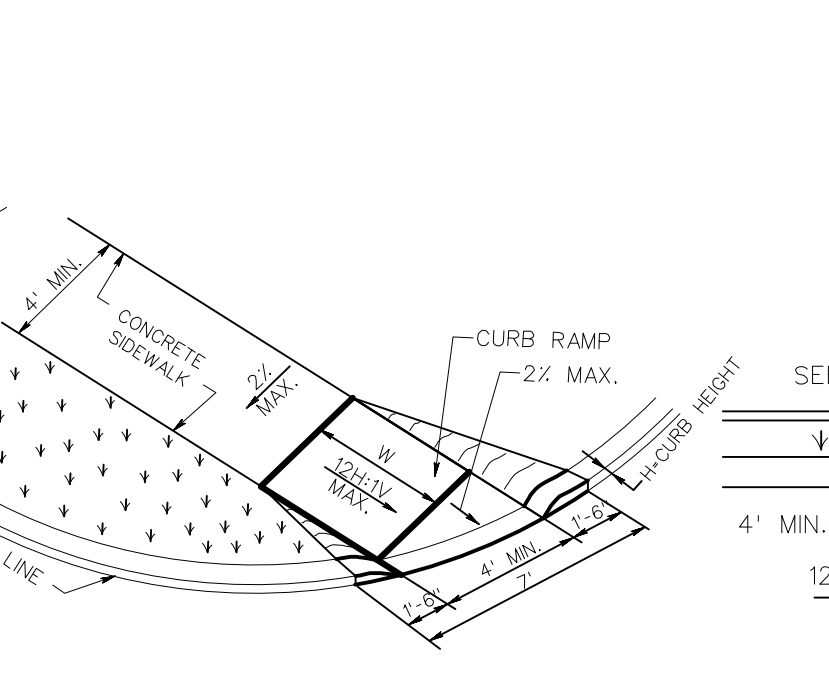
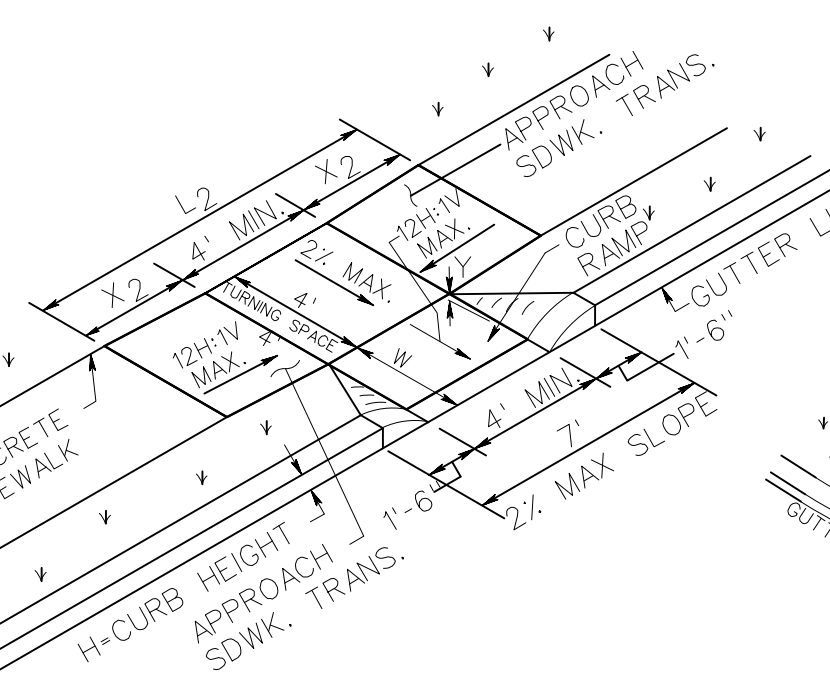
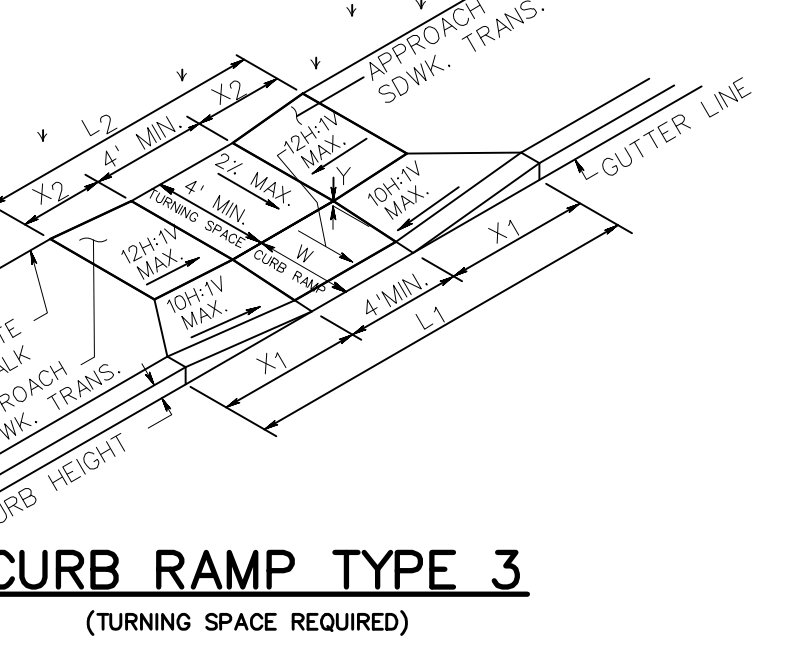
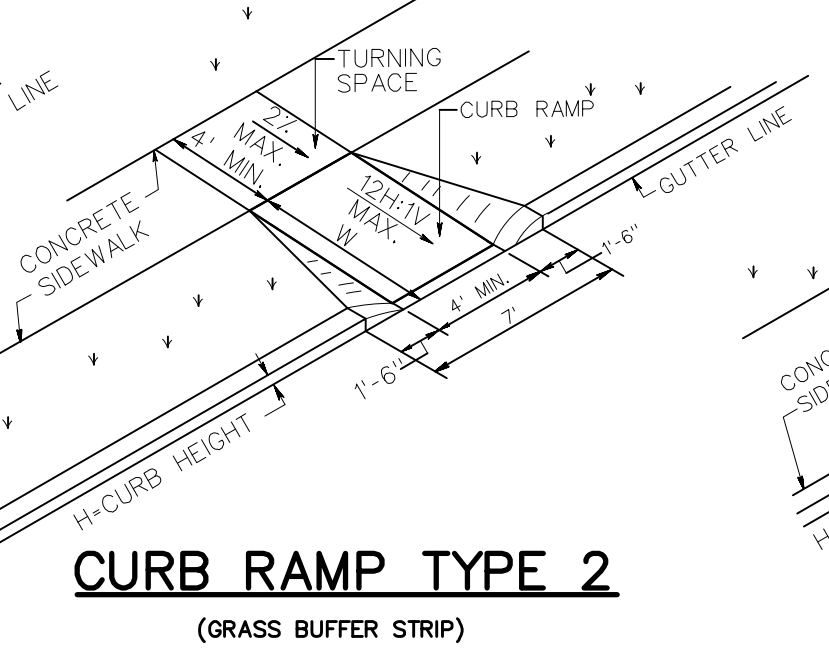
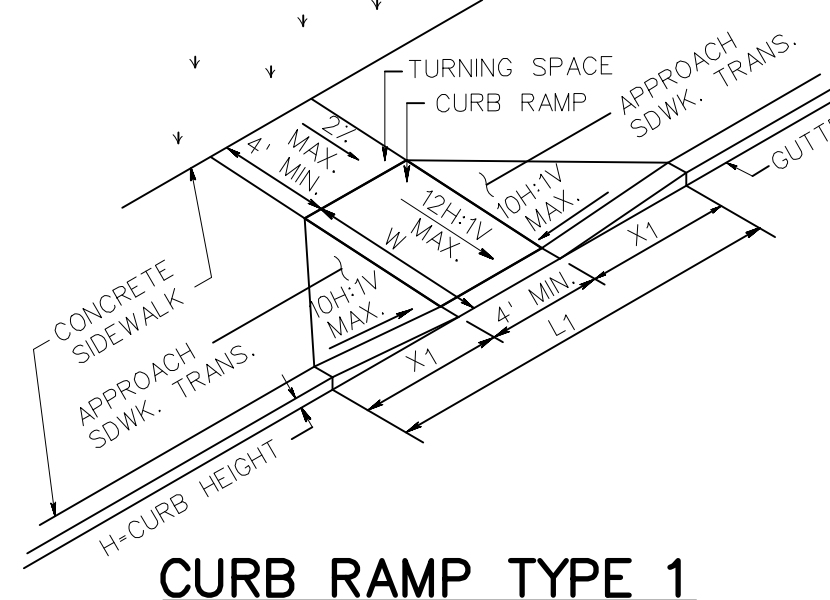
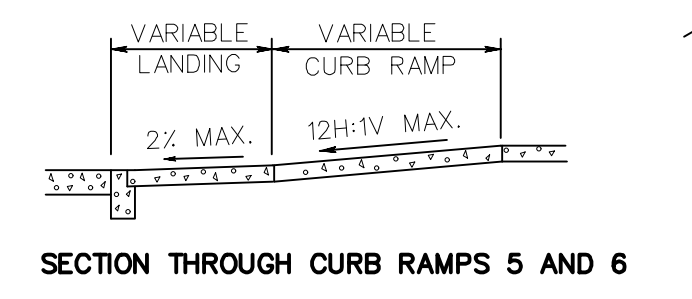
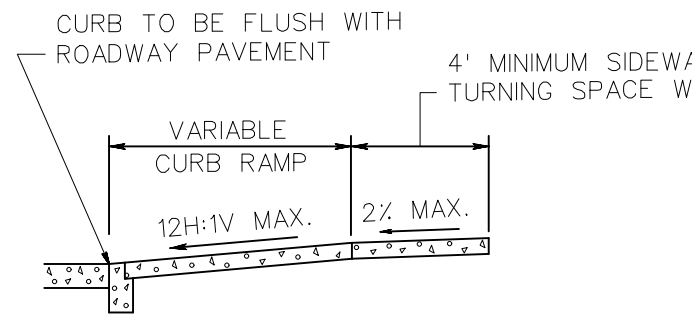
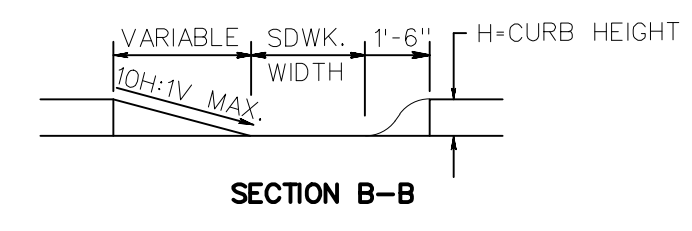
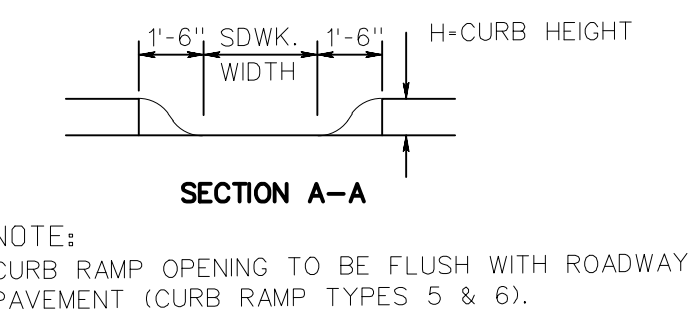
TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

CLIENT: PROJECT: DRAWING TITLE:

STATE OF NEW JERSEY
MICHAEL A. WILSON
NO. 193200001
Professional Engineer
License #49371

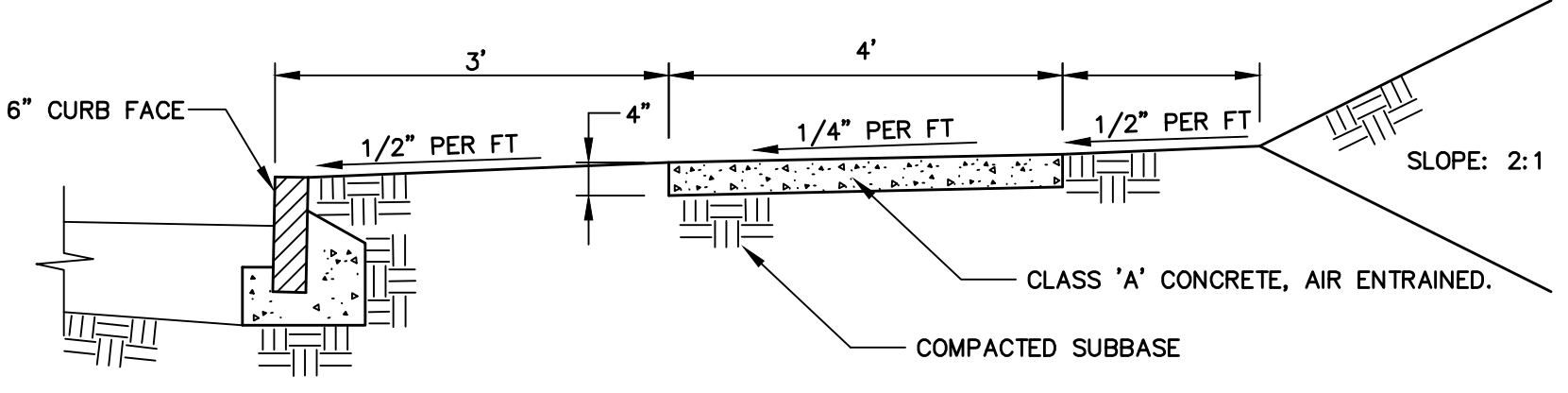
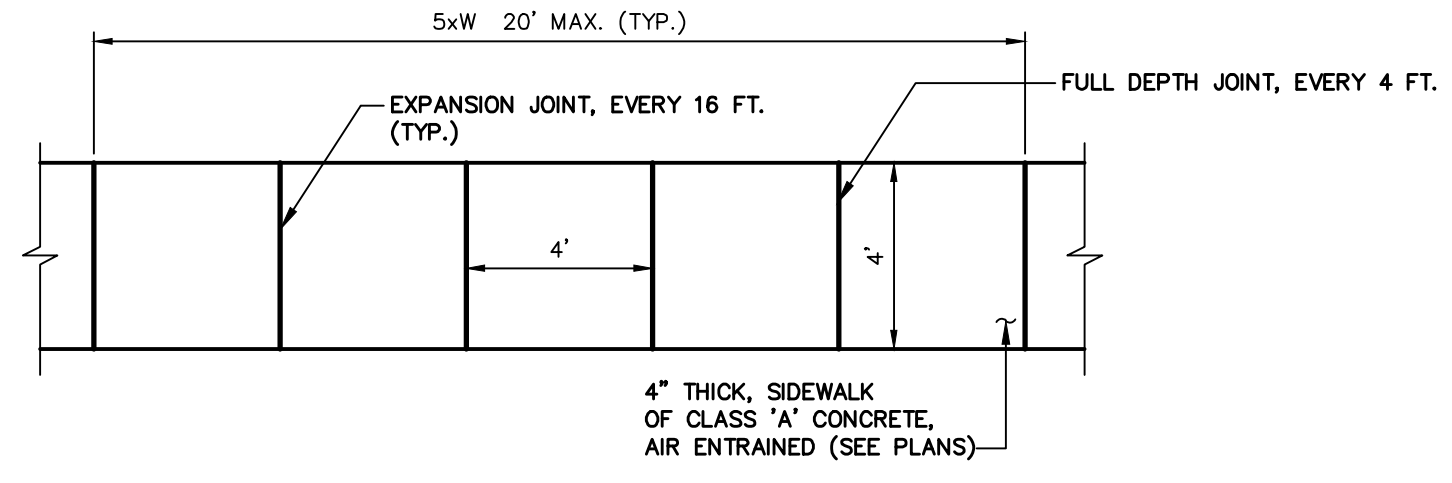
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PROJECT NO: 2021054
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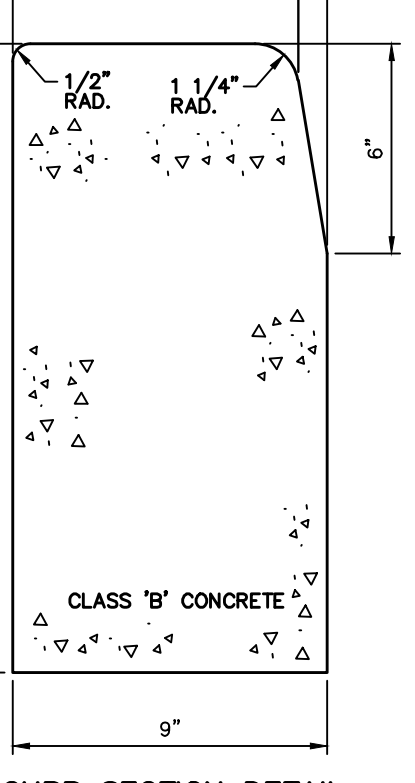
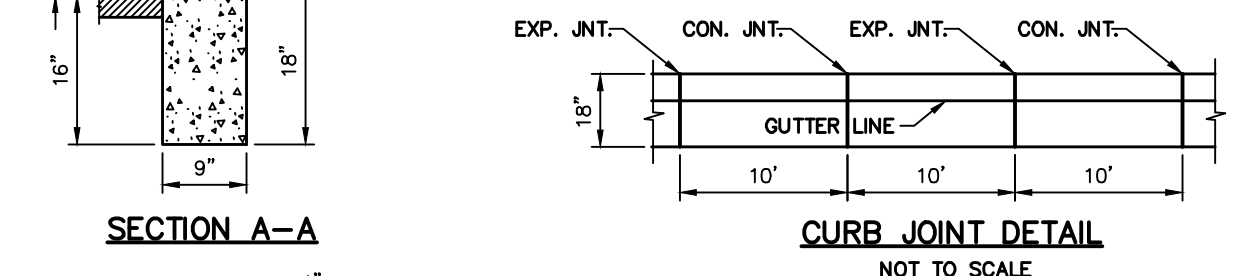
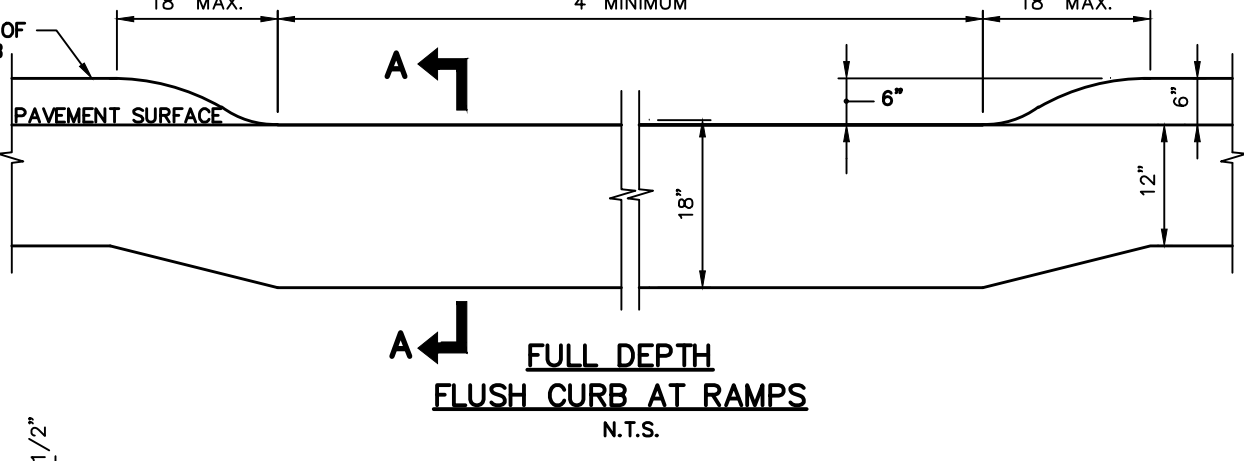


NOTE: AT DRIVEWAY REPLACEMENT MEET EXISTING SAW CUT, POUR AGAINST EXISTING AND TOOL JOINT. THE COST OF DRIVEWAY REMOVAL, SAW CUT, AND TOoled JOINT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEM CONCRETE DRIVEWAY, REINFORCED.

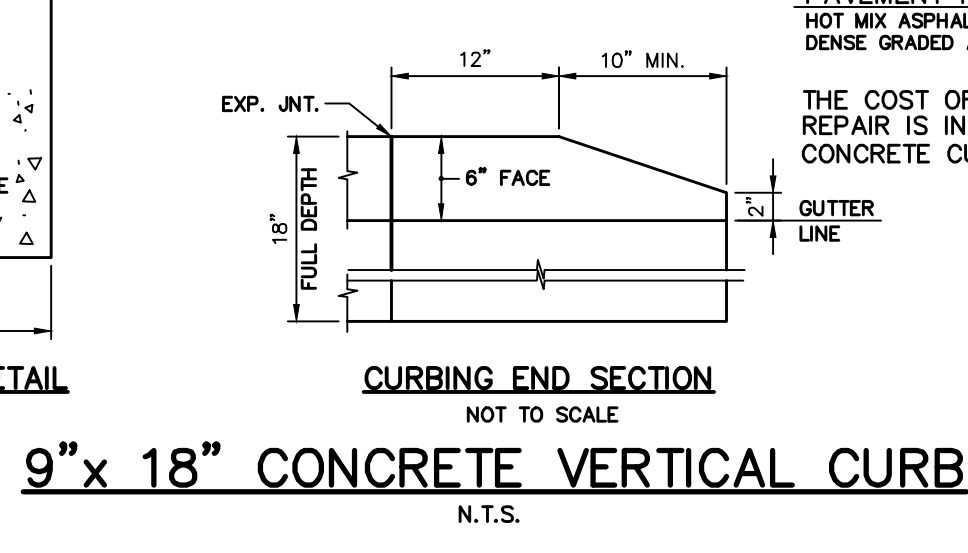
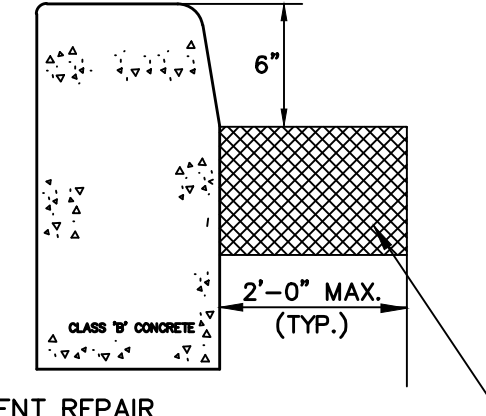
TYPICAL SECTION CONCRETE DRIVEWAY
N.T.S.



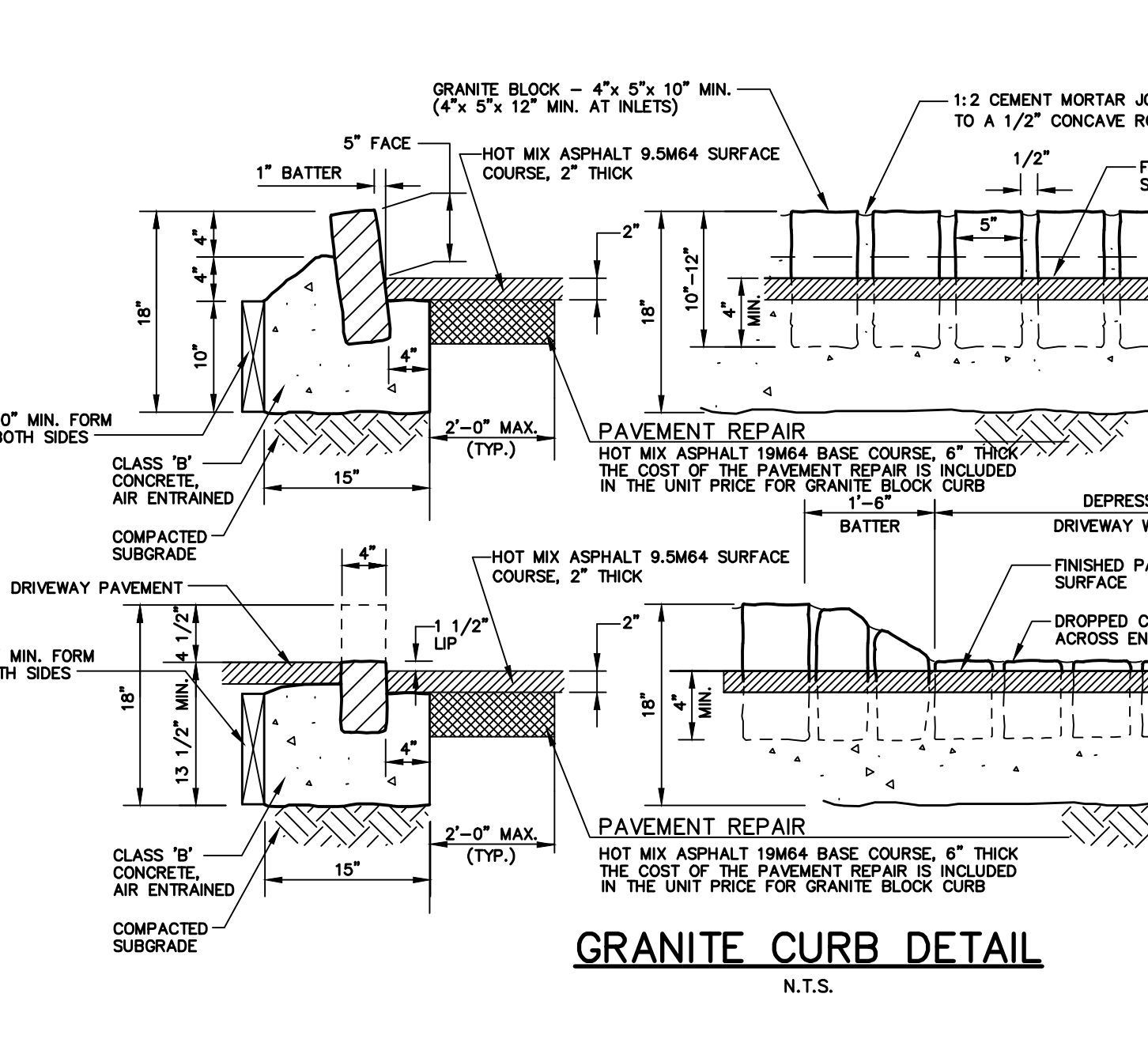
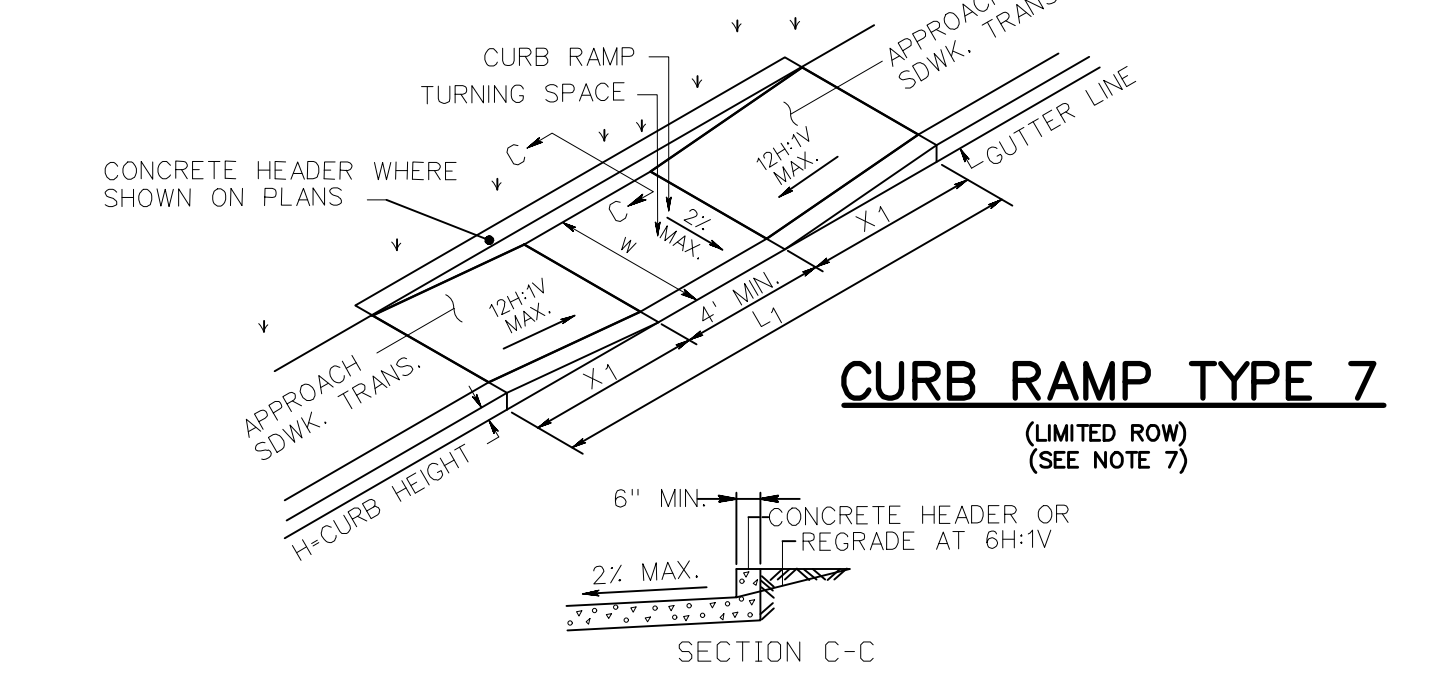
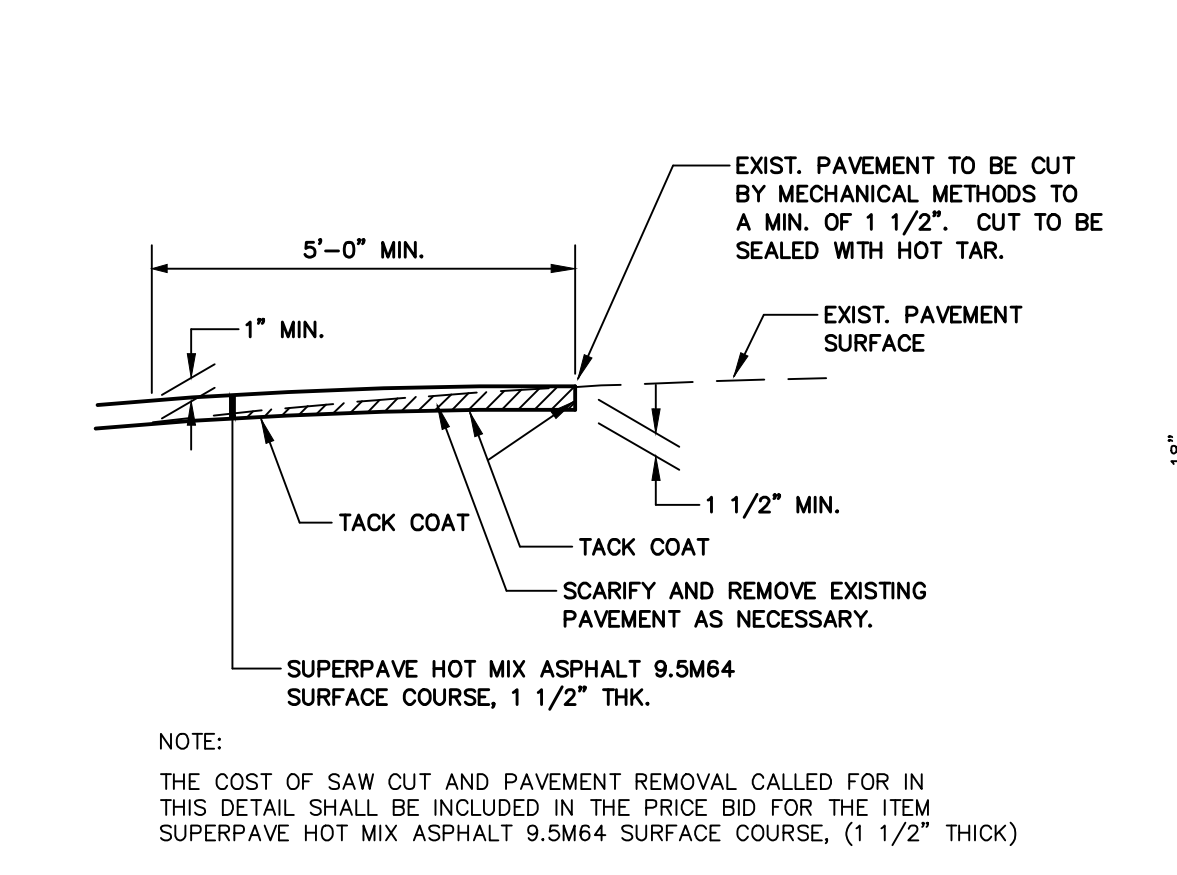
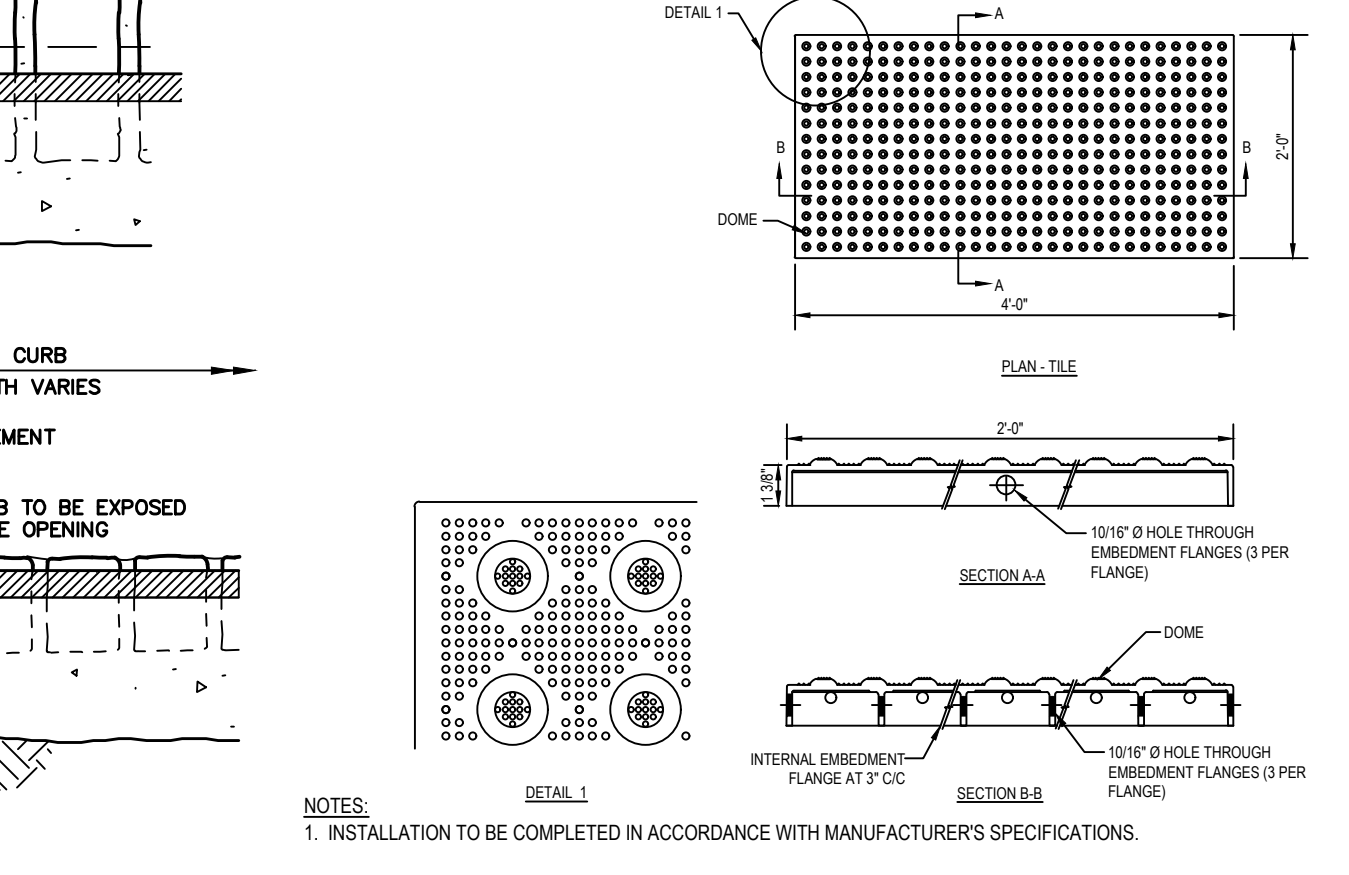
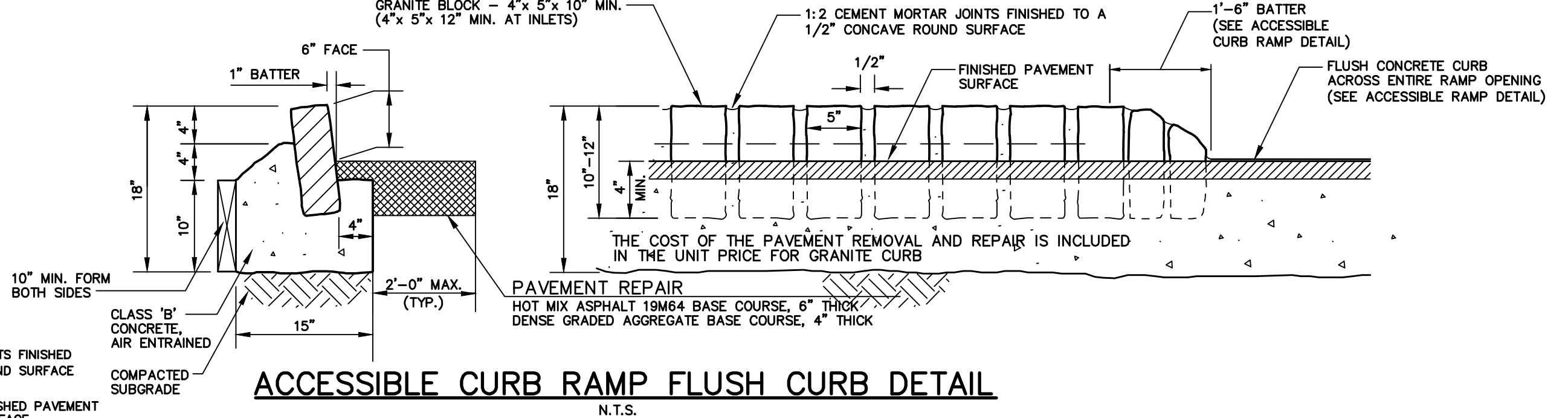
DETAIL OF STANDARD CONCRETE SIDEWALK
N.T.S.



- NOTES:
- EXPANSION JOINTS SHALL BE FILLED WITH PREFORMED, BITUMINOUS IMPREGNATED FIBER JOINT FILLER; RECESSED 1/4" FROM FACE AND TOP OF CURB.
 - EXPANSION JOINTS SHALL BE INSTALLED BETWEEN CURB AND INLET HEADS.
 - EXPANSION JOINTS SHALL ALTERNATE WITH CONSTRUCTION JOINTS EVERY 10' (SEE DETAIL ABOVE)
 - ALL JOINTS SHALL EXTEND FULL 18" DEPTH OF CURB.
 - EXPANSION JOINTS THROUGH AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.



- NOTES:
- CURB RAMPS MUST NOT EXCEED 8.33% (1:12).
 - RAMPS, GUTTERS, SIDEWALKS AND LANDINGS TO BE CONSTRUCTED WITH A MAXIMUM 2 PERCENT CROSS SLOPE.
 - TRANSITIONS FROM RAMPS TO GUTTERS AND STREETS SHALL BE FLUSH AND FREE OF LEVEL CHANGES.
 - RAMPS, GUTTERS AND LANDINGS TO BE CONSTRUCTED IN ACCORDANCE WITH NJDOT STANDARD CURB RAMP CONSTRUCTION DETAILS.
 - SIDEWALK REPLACEMENT SHALL EXTEND TO NEAREST EXPANSION JOINT WHILE COMPLYING WITH ADA ACCESSIBILITY GUIDELINES (ADAAG).
 - SIDEWALKS WITH VERTICAL CHANGES IN LEVEL OF 1/4" OR GREATER MUST BE REPLACED.
 - WHERE THE DISTANCE FROM THE GUTTERLINE TO THE OUTSIDE EDGE OF SIDEWALK IS LESS THAN 6 FEET, USE CURB RAMP TYPE 7 INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
 - TURNING SPACE (LANDING AREA), APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 - FLUSH CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
 - THE 12H:1V MAX SLOPE IS THE RUNNING SLOPE FOR CURB RAMPS, BUT ONLY THE 12H:1V SLOPE MEASURED AS X IS THE RUNNING SLOPE FOR TYPE 3 AND TYPE 4 CURB RAMPS. ENSURE THE RUNNING SLOPE OF CURB RAMPS DOES NOT REQUIRE ITS LENGTH TO EXCEED 15 FEET. THE RUNNING SLOPE MAY EXCEED THE 12H:1V MAX SLOPE SO AS NOT TO EXCEED THE 15 FEET MAXIMUM LENGTH.
 - SIDEWALK AND CURB RAMP TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
 - CONCRETE HEADER AT RAMP TO BE PAID FOR UNDER CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
 - CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
 - DETECTABLE WARNING SURFACE SHOULD BE SAFETY RED COLOR.



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1 7/1/2022 - PER NJDOT COMMENTS

REVISIONS

TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS

TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

CLIENT: _____
PROJECT: _____
DRAWING TITLE: _____

STATE OF NEW JERSEY
MICHAEL A. WILSON
Professional Engineer
License #49371

SCALE: NONE

DRAWN BY: MEP

CHECKED BY: MAW

DATE: 7/11/2022

DRAWING NUMBER: **22**

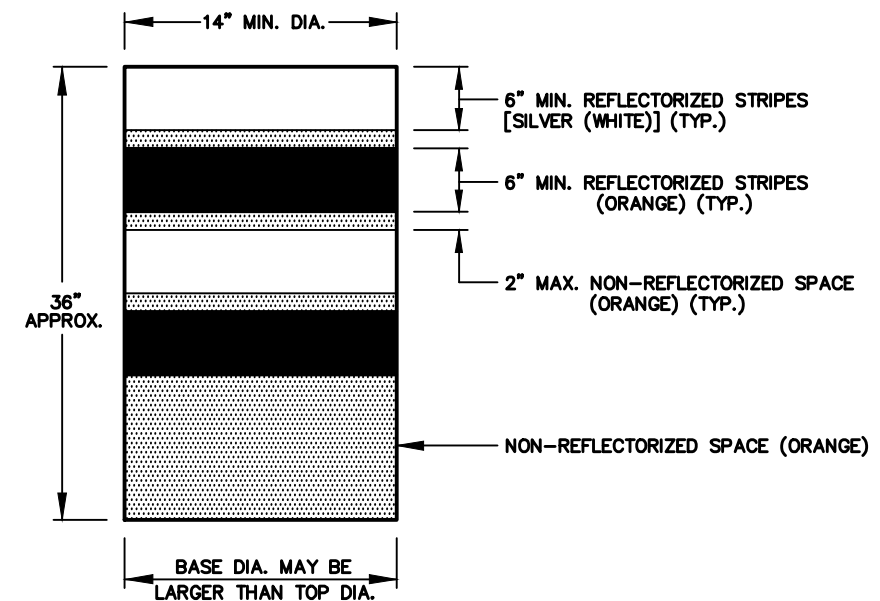
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PROJECT NO: 2021054

PHASE: 1

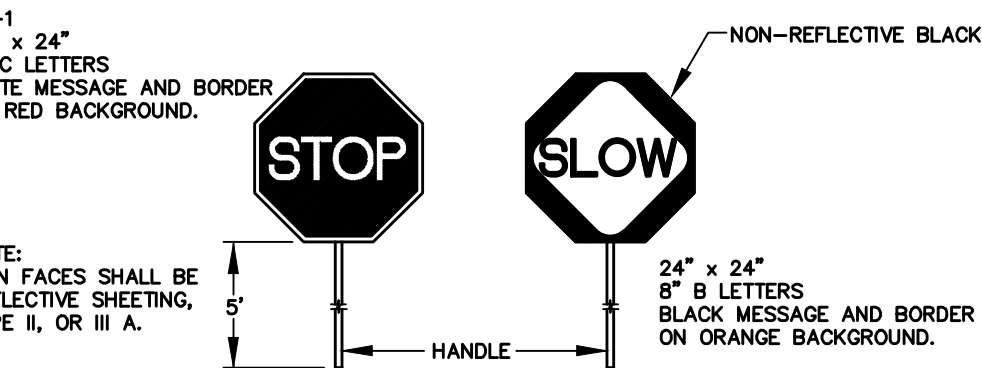
Filename: F:\ROCKAWAY\2021054 QUEENS ROAD\CADD\DWG\CONSTRUCTION DRAWINGS\2021054-07-DETAILS.DWG Plot Date: 7/11/2022 9:08 AM Plotted By: RYAN MANGANO

- NOTES:
- DRUMS SHALL BE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE ORANGE AND SILVER (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, TYPE II. 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 A 18" DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED IF APPROVED BY THE BUREAU OF MATERIALS.

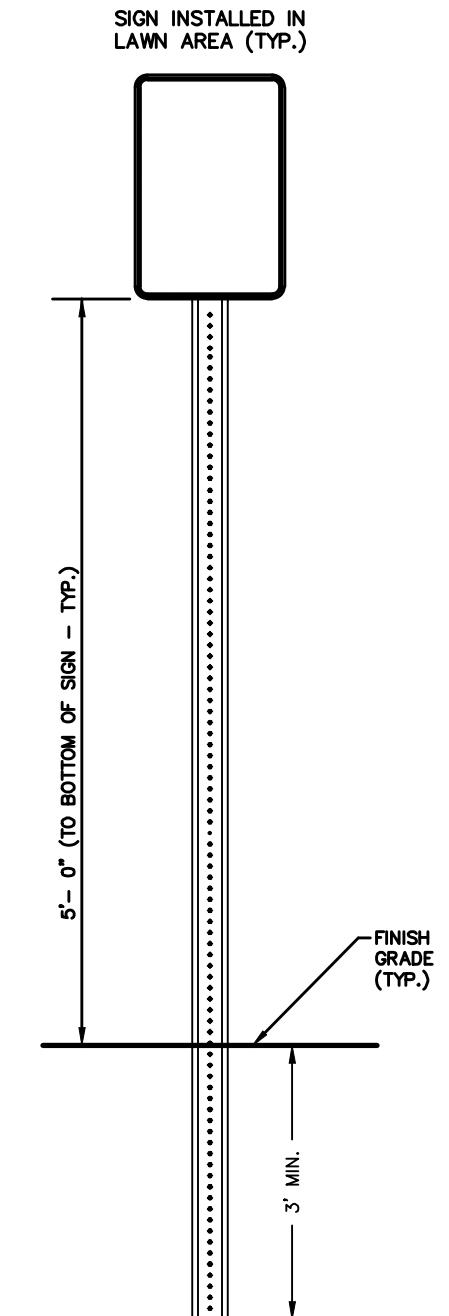


WHEN BALLAST IS REQUIRED BY THE ENGINEER, SAND SHALL BE USED. THE MAXIMUM WEIGHT OF THE BALLAST SHALL BE 50 LBS. AND BE LOCATED APPROXIMATELY AT GROUND LEVEL.

DRUMS



STOP VIEW SLOW VIEW
STOP/SLOW PADDLE
N.T.S.



RESETTING EXISTING SIGN DETAIL
N.T.S.



W11-2 (24"x24")
PEDESTRIAN TRAFFIC



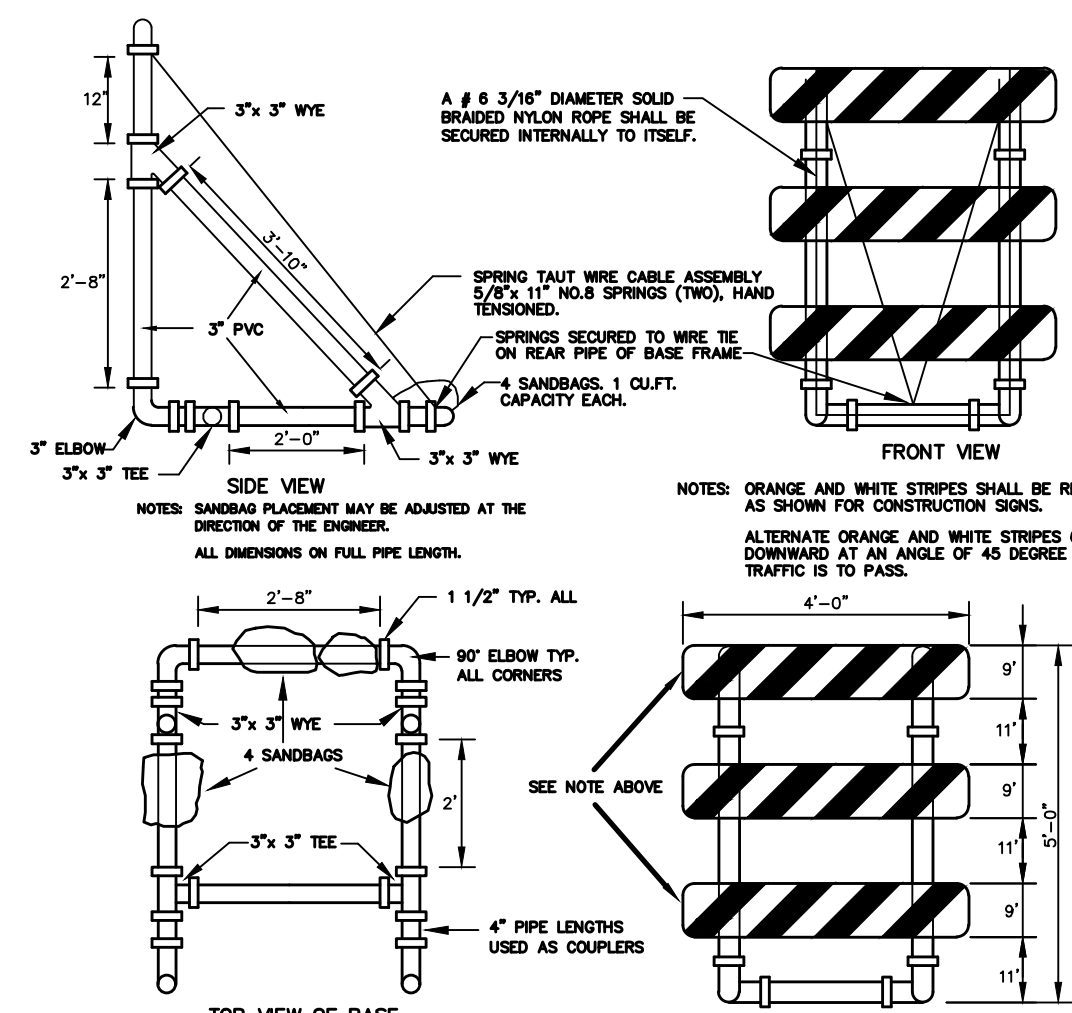
W16-9p (12"x24")
AHEAD PLAQUE



W16-7pL (12"x24")
LEFT DIAGONAL ARROW PLAQUE

COLORS: SYMBOL -BLACK
LEGEND, BORDER -BLACK
BACKGROUND -YELLOW (RETROREFLECTIVE)

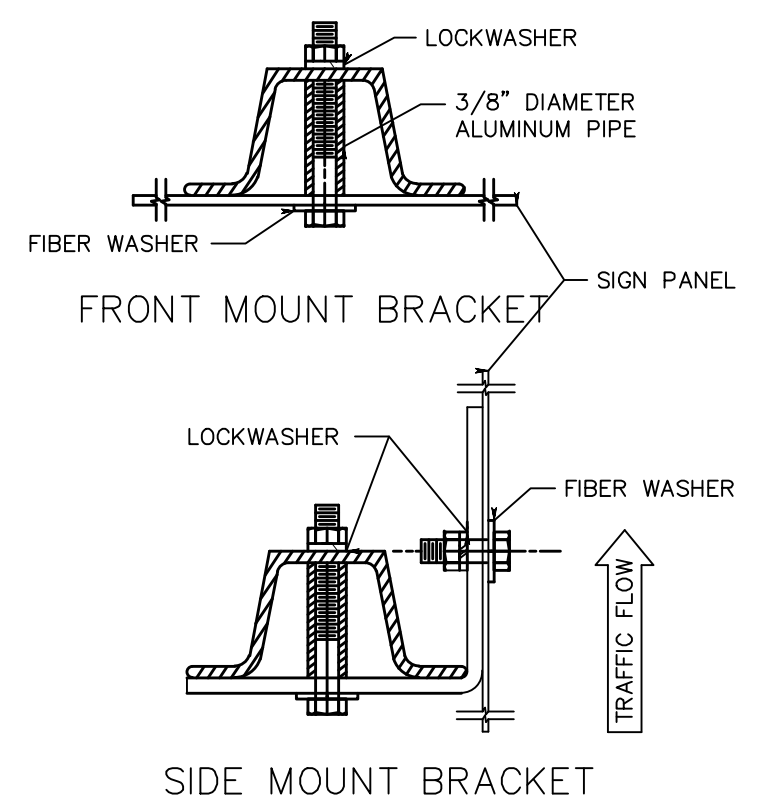
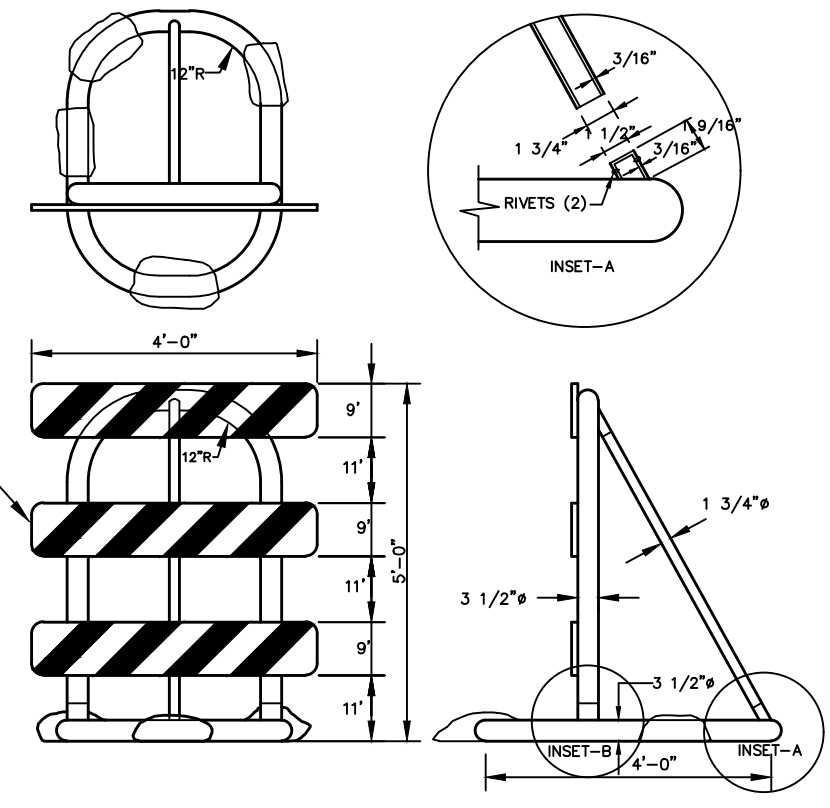
SIGN DETAILS
N.T.S.



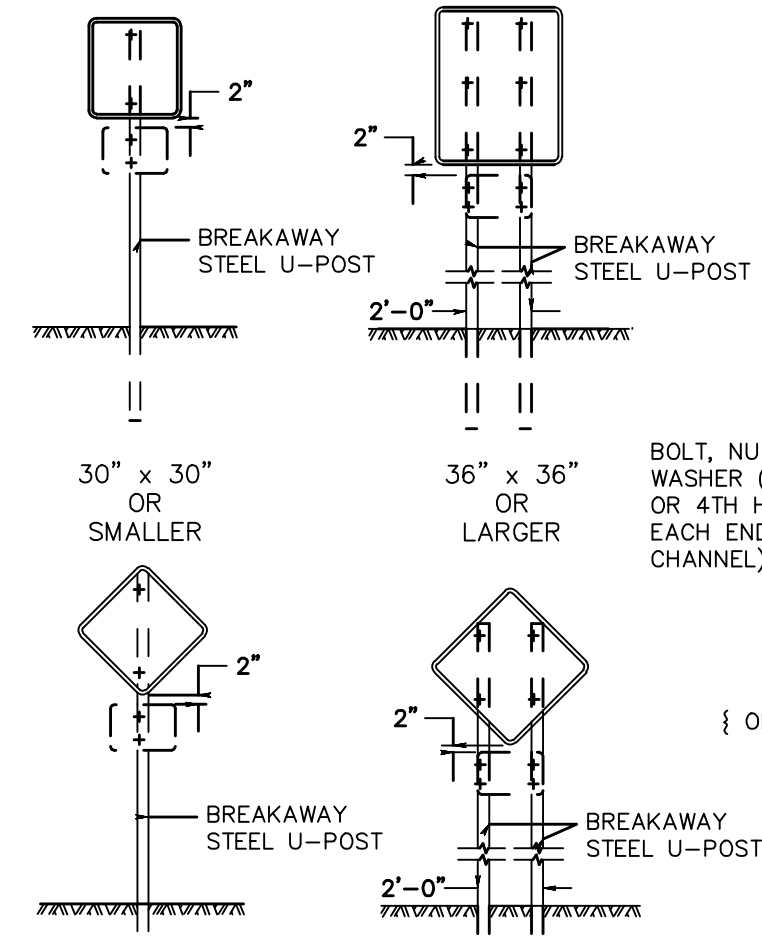
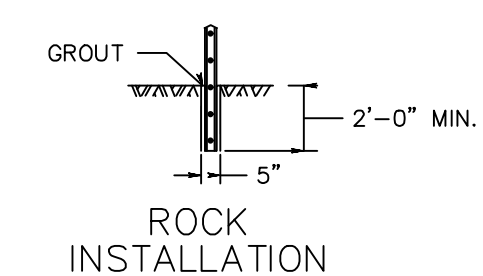
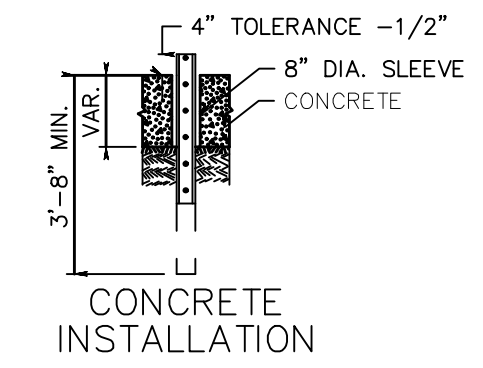
PIPE SHALL BE WHITE PVC SCHEDULE 40 ASTM 1785-74 OR PVC 50#-28, ASTM 2241-74. FITTINGS SHALL BE WHITE PVC OR ABS OF MATCHING WALL THICKNESS AND INSIDE DIAMETER AND MEETING THE MATERIALS REQUIREMENTS AND TESTING SECTIONS OF ASTM D-2466-74 FOR PVC AND ASTM D-2464-73 FOR ABS. ALL JOINTS SHALL BE SLIP FIT AND NOT THREADED OR GEMATED PVC FITTINGS MEETING ASTM D-2965-74 WILL ALSO BE ACCEPTABLE.

THE 1/2\"/>

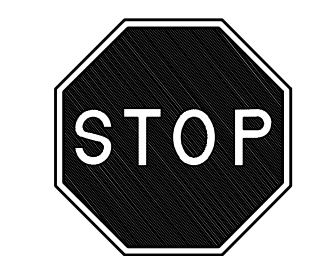
BREAKAWAY BARRICADES
N.T.S.



FRONT MOUNT BRACKET
SIDE MOUNT BRACKET



SIGN POST DETAILS
N.T.S.



R1-1
30" x 30"

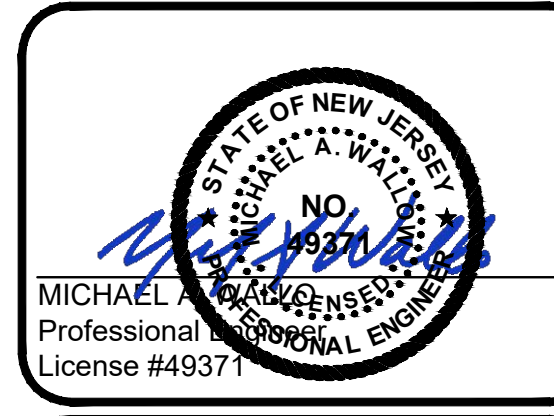
SIGN DETAIL
N.T.S.

8
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1 7/11/2022 - PER NJDOT COMMENTS

TOWNSHIP OF ROCKAWAY
QUEENS ROAD SECTION I
ROADWAY IMPROVEMENTS
TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY

CLIENT:
PROJECT:
DRAWING TITLE:



SCALE: NONE

DRAWN BY: MEP

CHECKED BY: MAW

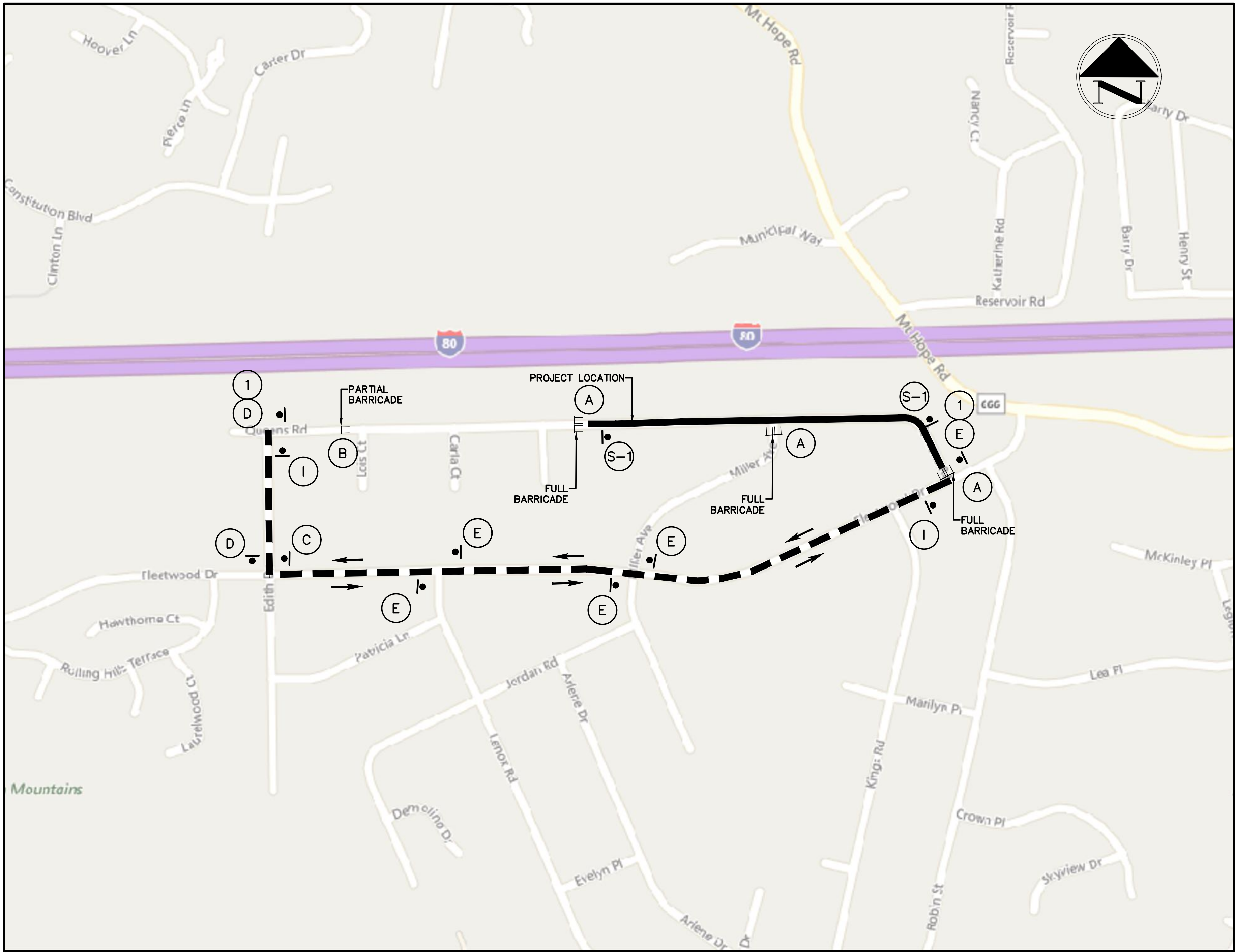
DATE: 7/11/2022

DRAWING NUMBER:
23

SHEET NUMBER: 23 OF 24

PROJECT NO: 2021054

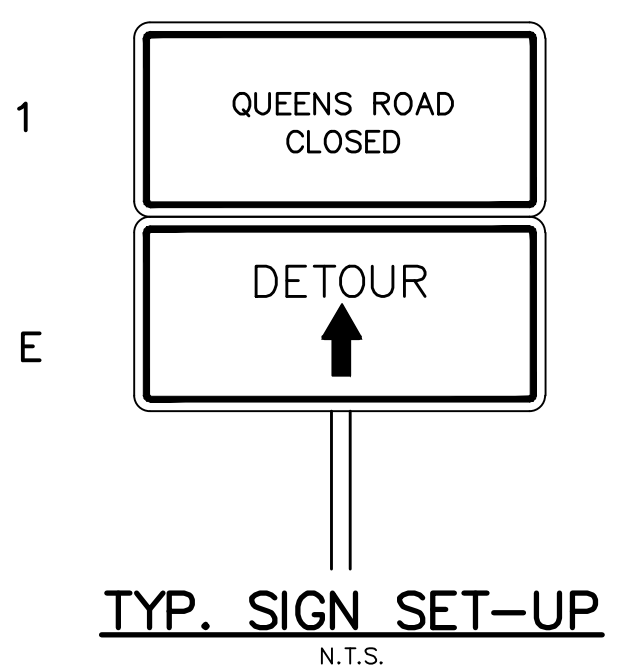
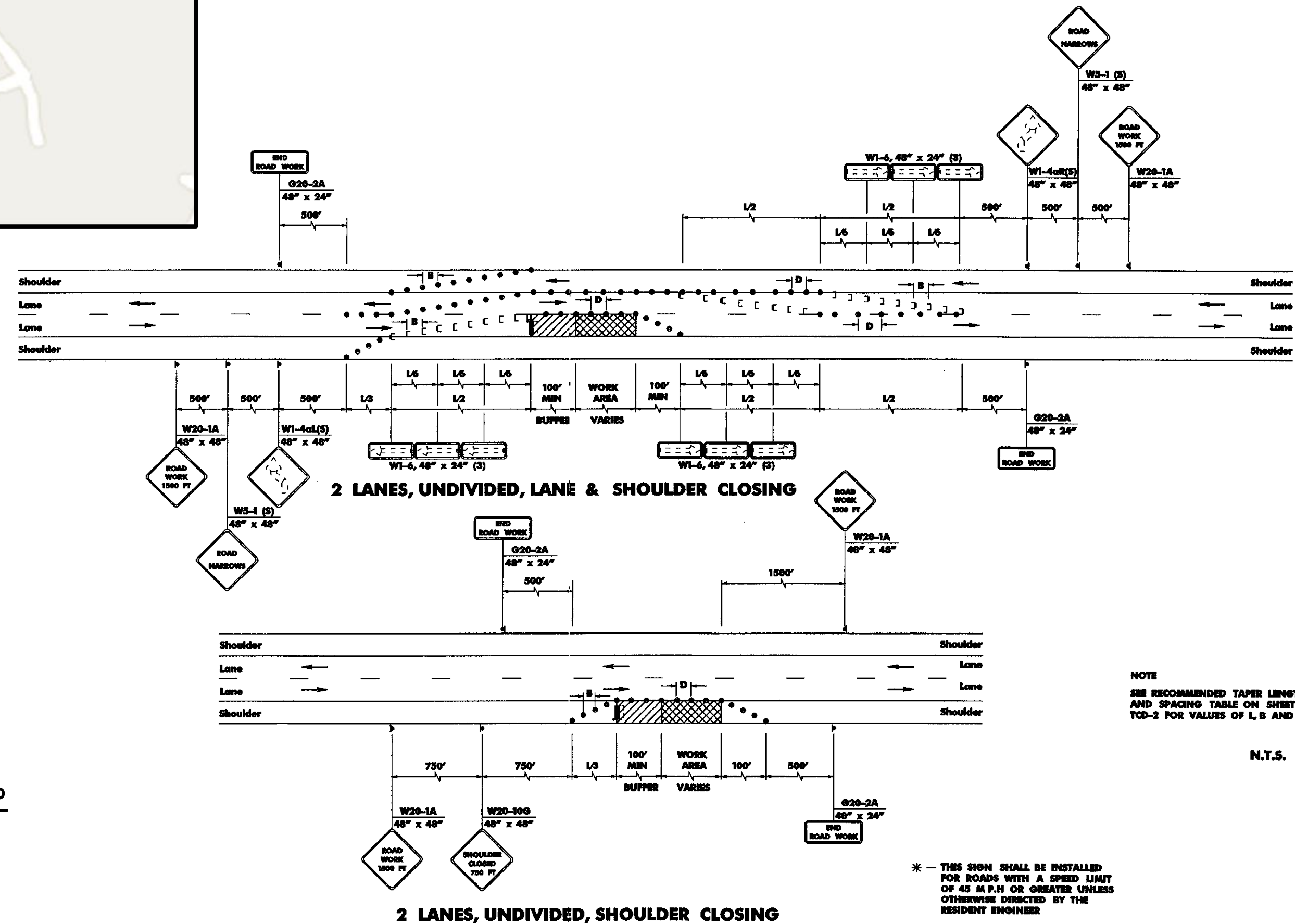
PHASE: 1



CONSTRUCTION DETOUR PLAN
1"=300'

STANDARD SIGNS (ALL BLACK ON ORANGE)							
SIGN	SIGN TEXT	TYPE	SIZE	VISUAL	MOUNT	NO. REQ.	TOTAL AREA (S.F.)
A	ROAD CLOSED	R11-2	48" x 30"		FULL BARRICADE	3	30
B	ROAD CLOSED TO THRU TRAFFIC	R11-4	48" x 30"		PARTIAL BARRICADE	1	10
C	DETOUR →	M4-9R	30" x 24"		1 POST	1	5
D	DETOUR ←	M4-9L	30" x 24"		1 POST	2	10
E	DETOUR ↑	M4-9X	30" x 24"		1 POST	5	25
F	DETOUR ↙	M4-9XL	30" x 24"		1 POST	0	0
G	DETOUR ↘	M4-9XR	30" x 24"		1 POST	0	0
H	DETOUR AHEAD	W20-2	30" x 24"		1 POST	0	0
I	END DETOUR	M4-8A	30" x 24"		1 POST	2	10

SPECIAL SIGNS (ALL BLACK ON ORANGE)							
SIGN	SIGN TEXT	TYPE	SIZE	VISUAL	MOUNT	NO. REQ.	TOTAL AREA (S.F.)
1	QUEENS ROAD CLOSED	SPECIAL	30" x 18"		1 POST	2	7.5
S-1	ON OR ABOUT XX/XX/XX, QUEENS ROAD BETWEEN DOREEN COURT AND FLEETWOOD DRIVE WILL BE CLOSED TO THRU TRAFFIC FOLLOW DETOUR	SPECIAL	66" x 36"		3 POSTS	2	33
TOTAL AREA ALL SIGNS (SF)							130.5



GENERAL NOTES

- SPECIAL SIGNS SHALL HAVE A BLACK MESSAGE OR ARROW ON AN ORANGE WIDE-ANGLE PRISMATIC RETROREFLECTIVE BACKGROUND AND SHALL BE FABRICATED FROM THE MATERIAL SPECIFIED IN THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FROM THE NEW JERSEY DEPARTMENT OF TRANSPORTATION. FOR PROPER LETTER STROKE AND DESIGN, REFER TO THE CURRENT EDITION OF "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" FROM THE FEDERAL HIGHWAY ADMINISTRATION. SPACING BETWEEN WORDS IN A LINE, BETWEEN LINES OF A MESSAGE, AND BORDER REQUIREMENTS SHOULD BE DETERMINED BY GOOD SIGN PAINTING PRACTICES.
- FOR MORE INFORMATION ABOUT STANDARD AND SPECIAL SIGNS, REFER TO THE CURRENT EDITIONS OF "STANDARD HIGHWAY SIGNS" AND "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", BOTH FROM THE FEDERAL HIGHWAY ADMINISTRATION.
- SIGNS WITH ORANGE BACKGROUNDS SHALL CONSIST OF TYPE IV-B (FLUORESCENT ORANGE) SHEETING. SHEETING TYPES ARE LISTED IN SECTION 911.01.01 OF THE NJDOT SPECIFICATIONS.
- ALL SIGNS WILL HAVE A REFLECTIVE QUALITY BACKGROUND AND WILL BE FABRICATED FROM ALUMINUM MATERIAL AS SPECIFIED IN THE NJDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- ONLY TYPE III, PVC OR TYPE III, PE BREAKAWAY BARRICADES SHALL BE USED. TYPE III WOODEN BARRICADES ARE NOT ALLOWED. IN ADDITION, FLASHING WARNING LIGHTS SHALL NOT BE AFFIXED TO ANY BARRICADE OR SIGN.
- THE CONTRACTOR IS TO NOTIFY THE ROCKAWAY TOWNSHIP ENGINEER'S OFFICE AT LEAST 48 HOURS PRIOR TO THE INSTALLATION OF DETOUR SIGNS. CONSTRUCTION SHALL NOT PROCEED ON ANY PORTION OF THE PROJECT UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN INSTALLED BY THE CONTRACTOR AND INSPECTED AND APPROVED BY THE TOWN.
- UNLESS NOTED OTHERWISE, ALL SIGNS AND BARRICADES SHALL BE FURNISHED BY THE CONTRACTOR AND PLACED BY HIM AT THE LOCATIONS DESIGNATED BY THE ENGINEER. IF SO DIRECTED BY THE ENGINEER, AND AT THE UNIT PRICE BID, THE CONTRACTOR SHALL SUPPLY AND PLACE ADDITIONAL SIGNS AND BARRICADES.
- BREAKAWAY BARRICADES SHALL CONFORM TO NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAIL CD-159-1.3.
- THE CONTRACTOR SHALL COVER ANY EXISTING PERMANENT AND CONSTRUCTION SIGNS WITH OPAQUE MATERIAL WHENEVER THE MESSAGE IS NOT APPLICABLE. SUCH SIGNS SHALL BE UNCOVERED WHEN THE MESSAGE IS APPLICABLE.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE DRIVEWAYS DURING CONSTRUCTION.
- LOCATION OF SIGNS MAY BE MODIFIED BY THE ENGINEER TO ADJUST FOR ACTUAL FIELD CONDITIONS.
- CONTRACTOR IS DIRECTED TO NOTIFY ROCKAWAY POLICE AND FIRE DEPARTMENT ONE WEEK PRIOR TO START OF CONSTRUCTION AND 24 HOURS PRIOR TO IMPLEMENTATION.

NO.	REVISIONS
8	----
7	----
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1	7/1/2022 - PER NJDOT COMMENTS

CLIENT: TOWNSHIP OF ROCKAWAY
PROJECT: QUEENS ROAD SECTION I ROADWAY IMPROVEMENTS
DRAWING TITLE: TOWNSHIP OF ROCKAWAY, MORRIS COUNTY, NEW JERSEY TRAFFIC CONTROL & DETOUR PLAN



SCALE: 1"=300'
DRAWN BY: MEP
CHECKED BY: MAW
DATE: 7/1/2022
DRAWING NUMBER: 24
SHEET NUMBER: 24 OF 24
PROJECT NO: 2021054
PHASE: 1