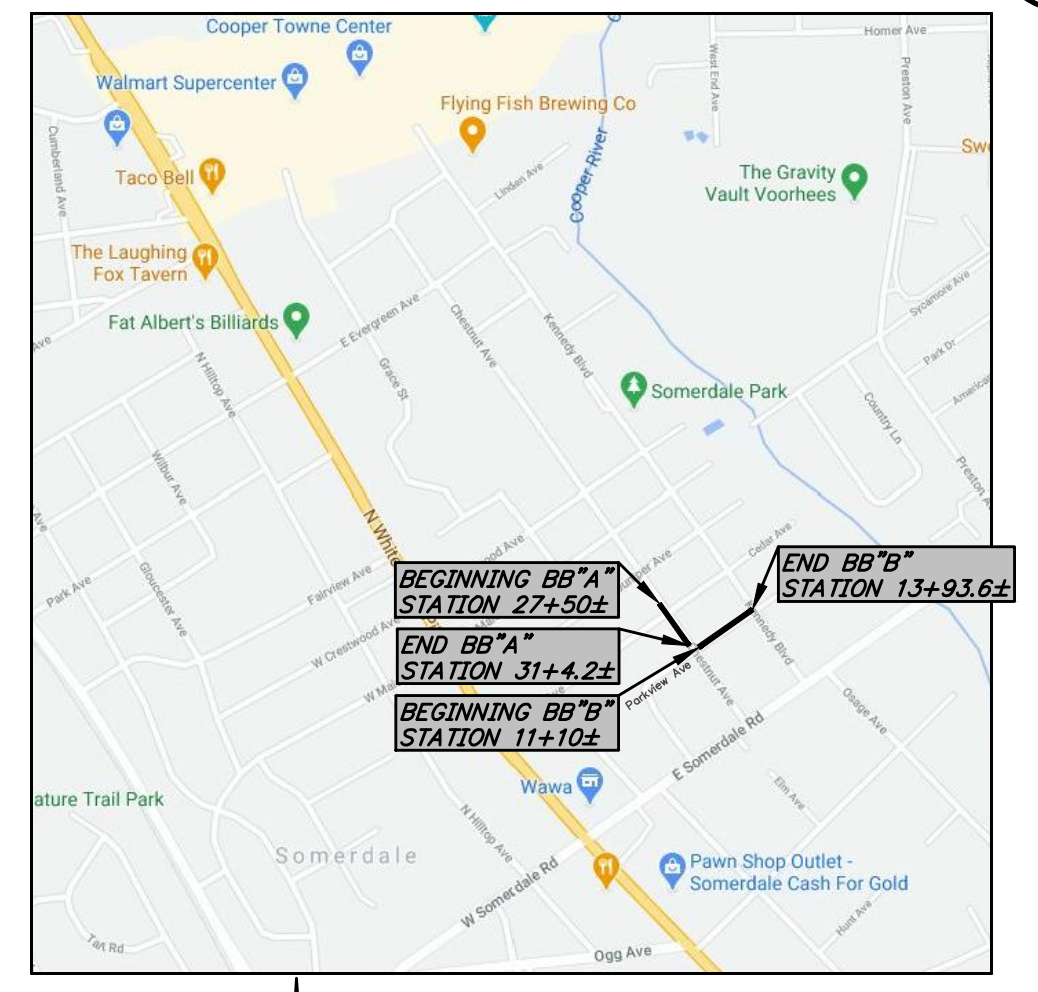


CONSTRUCTION PLANS

RECONSTRUCTION OF CHESTNUT AVENUE FROM PARKVIEW AVENUE TO CEDAR CEDAR AVENUE AND CONSTRUCTION OF PARKVIEW AVENUE FROM CHESTNUT AVENUE TO KENNEDY BOULEVARD

in the BOROUGH OF SOMERDALE CAMDEN COUNTY, NEW JERSEY (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022) (KEI#07-546SM0520)



Key Map
scale 1 inch = 1,000 feet
taken from Google Maps

Soil Erosion Notes:

(NO SPECIFIC PAYMENT WILL BE MADE FOR SOIL EROSION CONTROL, THE PRICE FOR ALL SOIL EROSION CONTROL SHALL BE INCLUDED IN THE PRICE OF VARIOUS ITEMS IN THE PROPOSAL.)

- Contractor shall install all soil erosion and sediment control measures necessary of site (i.e. sediment barrier for soil retention, inlet protection structures, dust control, etc. All soil erosion and sediment control measures shall be in compliance with Chapter 3 and 4 of the Standards for Soil Erosion and Sediment Control in New Jersey adopted in July 1999 and as amended.
- All soil erosion and sediment control measures shall be installed before all other work on the site, at the locations as noted on the construction plans.
- All erosion and sediment control practices shall be left in place until construction is complete or the area is stabilized in accordance with the Soil Conservation District recommendations and to the County Engineer's satisfaction.
- Stabilization with Mulch Only – When seasons and other conditions are not suitable for growing an erosion-resistant cover (November 1st through April 1st, and May 15th through August 15th) all exposed areas will be stabilized with mulch, salt hay or straw and will be applied at a rate of 80\$/2,000 S.F. and anchored immediately after placement to minimize loss by wind or water. Stabilization with mulch will comply with Section 3.31 of said Standards, including details of anchoring mulch.

Permanent vegetation cover – After final grading is completed a permanent vegetative cover will be used to stabilize the soil consisting of the following in the areas designated on the construction plans:

- A. Sodding placed in accordance with Sections 806, 810, 813 & 909 of the N.J.D.O.T. Standard Specifications with a 1-2-2 ratio fertilizer, applied at a rate necessary to yield 50 pounds of nitrogen per acre.

- Temporary Vegetation Cover – Temporarily stabilize the soil and reduce damage from wind and water erosion until permanent stabilization is accomplished. Apply limestone and fertilizer according to soil test recommendations. Fertilizer may be applied at the rate of 500 lbs per acre or 11 lbs. per 1,000 S.F. of 10-20-10 or equivalent. Apply limestone (equivalent to 50% calcium plus magnesium oxides) as follows: 2 tons per acre to 90 lbs. per S.F. Work lime and fertilizer into the soil to a depth of 4" with a disc, spring tooth harrow, or other suitable tool. Inspect seedbed just before seeding. If the soil is compacted the area must be retiled.

- Soils high in sulfides or having a pH of 4 or less should be mulched only, see Standards p. 3.3.1. For temporary seeding, see recommendations in Table 3.1.1

Mulching is required on all seeding. Mulch materials should be unrotten small grain straw, hay free of seeds or soil hay to be applied at the rate of 1-1/2 - 2 tons per acre (70 to 90 lbs. per 1,000 S.F.), except that where a crimper is used instead of a liquid mulch-binder (tackifying or adhesive agent), the rate of application must be double the lower rate. Mulch chopper-blowers must not grind the material. Spread uniformly by hand or mechanically so that approximately 1,000 S.F. sections and distribute 70 to 90 lbs. within each section.

- Dust Control – The contractor shall prevent movement and/or blowing of dust from exposed soil surface. This requirement is to reduce damage, health hazards and improve traffic safety, in accordance with section 4.10.1 of the standards for Soil Erosion and Sediment Control and section 107.28 of the N.J.D.O.T. Standard Specifications. Methods for dust control shall consist of mulches, spray-on adhesives, calcium chloride, sprinkling with water, street sweeping or other methods approved by the Engineer and/or Soil Conservation District. The contractor shall clean the roadway as needed and directed by the engineer and/or the Soil Conservation District. In conjunction with cleaning, the contractor shall be required to sprinkle areas with water or another approved method shall be performed to keep all areas damp and dust free.

All soil erosion and sediment control practices to be installed prior to any major soil disturbances, or in their proper sequence, and maintained until permanent protection is established.

- Any disturbed area that will be left exposed more than thirty (30) days and not subject to construction traffic, will immediately receive a temporary seeding. If the season prevents the establishment of a temporary cover, the disturbed area will be mulched with straw, or equivalent material, at a rate of two (2) tons per acre, according to State Standards.
- Permanent vegetation to be seeded or hydroseeded on all exposed areas within two (2) days after final grading. Mulch will be used for protection until seeding is established.
- All work to be done in accordance with the State Standards for Soil Erosion and Sediment Control in New Jersey.
- A subbase course will be applied immediately following rough grading and installation of improvements in order to stabilize streets, roads, driveways and parking areas. In areas where no utilities are present, the subbase shall be installed within fifteen (15) days of preliminary grading.
- Immediately following initial disturbance or rough grading all critical areas subject to erosion (i.e.: steep slopes, roadway embankments) will receive a temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of two (2) tons per acre, according to State Standards.

- Any steep slopes receiving pipeline installation will be back-filled and stabilized daily, as the installation proceeds, (i.e.: slopes greater than 3:1).

- The contractor shall utilize the roadways as a construction entrance. The existing roadways shall be cleaned as needed & directed by the Camden County Soil Conservation District and the Engineer.

- In accordance with the Standards for Permanent Vegetative Cover for Soil Stabilization, any soil having a pH of 4 or less or containing iron sulfides shall be covered with a minimum of 12" of soil having a pH of 5 or more prior to seeded preparation.

- The Camden County Soil Conservation District shall be notified seventy-two (72) hours in advance of any land disturbing activity @ (856) 764-6292.

- At the time when the site preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support adequate vegetative ground cover, shall be removed or treated in such a way that will permanently adjust the soil conditions and render it suitable for vegetative ground cover.

- Before the provisions of the certified plan for soil erosion and sediment control have been complied with for permanent measures, all site work for the construction plans will have to be completed prior to the District issuing a Report of compliance for the final payment by the County.

- Any change to the Construction Plan will require the submission of a revised Soil Erosion and Sediment Control Plan to the Camden County Soil Conservation District for recertification. The revised plans must meet all current New Jersey Soil Erosion and Sediment Control Standards.

General Construction Notes:

- All clearing items (brush, concrete, etc.) shall be removed from the project and disposed of at a lawful disposal site to be furnished by the Contractor, at his expense.
- The Contractor shall procure all required permits, licenses and inspections. Contractor shall be responsible for all charges and fees as well as, give notices necessary for all incidentals for project. Soil Conservation Permits shall be obtained by the Municipality at no cost to the Contractor.
- All construction debris (asphalt, concrete, inlets, pipes, etc.) must be removed from the project site prior to the end of each day to eliminate any potential hazards.
- All demolition/ removal items (asphalt, concrete, inlets, pipe, etc.) shall be removed from the project and disposed of at a lawful disposal site, provided by the Contractor, at his expense.
- Excess excavated materials shall be delivered to a lawful site location, provided by the Contractor at his expense.
- The quantities of all asphalt or concrete, which is to be recycled, must be reported to the Municipality and County.
- All areas disturbed/damaged by the Contractor, shall be returned to its original condition or better, by the Contractor, at his expense.
- The location of all existing utility lines, mains, services, appurtenances must be verified by the Contractor prior to the commencement of construction. The Contractor shall perform test pits in the presence of the Construction Engineer. The Contractor shall be responsible for the repair of any damage caused by his operations. He shall notify the respective utility company for location markout prior to any excavation and the performance of the above mentioned test pits.

- The Contractor is required to perform the proper notification of New Jersey One – Call Center (formerly the Garden State Underground Plant Location Service) prior to excavation for the purpose of identifying the location of underground facilities. This requirement is in accordance with the Underground Facilities Protection Act (P.L. 1994 c. 118). Any and all utilities not subscribing to the New Jersey One – Call Center shall be contacted individually. No work shall commence without proper notifications and verification of all markouts being performed.

- All Utility Contractors shall procure all required permits, licenses and inspections, pay all charges and give notices necessary for all incidentals to the due and lawful prosecution of the project.
- The Contractor shall be responsible for properly backfilling and compacting all trenches. No trenches shall be left open after construction hours for the day. All construction areas are to be kept in a condition that allows for safe movement of all vehicular and pedestrian traffic.

- All areas adjacent to newly constructed concrete curbing, sidewalk, etc., shall be backfilled to finished grade prior to the end of each day to eliminate any potential hazards.
- In accordance with the "Maintenance and Protection of Pedestrian and Vehicular Traffic" specification, the Contractor shall maintain "two (2) lanes of traffic, a minimum of 10 feet wide each, during all other hours." The Contractor shall provide the Engineer with a Staging Plan with the proper traffic control measures to protect both pedestrian and vehicular traffic, during all other hours. The Staging Plan shall be submitted to the Engineer and Chief of Police at the Preconstruction Meeting.

- All areas of disturbance shall be graded so as to eliminate any mounds and/or depressions prior the end of each day to eliminate any potential hazards.
- Barricades, lighting devices and other traffic control devices shall be placed in accordance with and shall conform to Section 110, New Jersey Department of Transportation Traffic Control Standard Specifications for Road and Bridge Construction, Part 6 of the M.U.T.C.D. and Work Zone Traffic Control (US Department of Transportation).

- Traffic/pedestrian control devices and equipment shall be placed in accordance with all applicable Federal, State and Municipal regulations.

- All concrete curb and sidewalk designated for removal, shall be taken from the nearest joint, as necessary, to install proposed improvements.

- Where no joints exist on concrete drives or sidewalk, the edge shall be sawcut along straight lines before excavation or paving.

- Pavement shall be sawcut vertically, along straight lines, before excavating. Where new pavement meets existing pavement the joint shall be sealed with an approved joint sealer. The cost shall be included in the price for various items, in the Proposal.

- Pavement trenches shall be filled with temporary trench pavement, 2" thick to provide a smooth surface. The temporary trench pavement shall be maintained by the Contractor on an as needed basis and as directed by the Engineer. The cost shall be included in the price for various items, in the Proposal.

- The Contractor must request grade stakes at least ten (10) days prior to the start of construction. Failure to provide proper notice may result in construction delays, with no compensation for construction delays.

- The Contractor shall not be permitted to work on Saturdays, Sundays or holidays. Should the Contractor obtain permission from the Municipality to do so, he shall be required to pay the Engineer for the Inspector's overtime. The hours of operation shall be from 7:00 a.m. to 4:00 p.m.

- Inspections or failures to inspect any materials or workmanship by Municipal Officials shall in no way relieve the contractor of his responsibilities to perform the work in accordance with applicable plans, specifications and laws.

- All concrete shall be N.J.D.O.T. Class 'B'.

- All signs which are removed during construction shall be reset either temporarily or permanently prior to the end of each day. The cost shall be included in the price of various items in the Proposal.

- The Contractor must utilize a trench box where necessary, in accordance with the U.S. Department of Labor, Occupational Safety and Health Administration, 1990, revised (29CFR Part 1926).

- DETOURING OF TRAFFIC SHALL NOT BE PERMITTED UNLESS APPROVED BY THE CHIEF OF POLICE. Should Police Traffic Directors be required, their services shall be paid for by the Municipality at no cost to the Contractor.

- The Contractor shall be required to coordinate his work with any and all utility companies in order to eliminate any conflicts and/or delays.

- The General Contractor is Designated as the "Responsible Person in Charge of Construction" and the site supervisor responsible for construction site safety during the course of site improvements pursuant to N.J.A.C. 5: 23-2.21 (c) and (d) of the N.J. Uniform Construction Code.

- The Contractor shall comply with the Public Works Contractor Registration Act (P.L. 1999, c. 238 N.J.S.A. 34:11 - 56.48 etseq.) & New Jersey Business Registration Requirements of Public Contractors (N.J.S.A. 40A:11-23.2).

- The Contractor shall provide 2 copies of submittals two (2) weeks prior to the commencement of construction for all items for review by the Engineer.

- The Contractor shall video record, with audio description, the entire project limits to document the site conditions and provide two (2) CD or DVD copies to the Engineer.

- The Contractor shall not be permitted to deny access to or enter onto any residential property without the written permission of the property owner. The Contractor shall take all measures to perform the construction to maintain access to the properties and to cause minimal inconvenience.

- Failure of the Contractor to follow the directions of the Engineer and/or his representatives may result in a "STOP WORK" order. Should a "STOP WORK" order be issued, the Contractor shall incur all expenses to secure the job site and remediation costs when authorized by the Engineer to recommence.

Base Bid 'A':

Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue Station 27+50± to Station 31+4.2± (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

Base Bid 'A', Alternate No. 1:

Sidewalk Addition along the South Side of Chestnut Avenue (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

Base Bid 'B':

Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard Station 11+10± to Station 13+93.6± (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

Base Bid 'B', Alternate No. 1:

Sidewalk Addition along the North Side of Parkview Avenue (PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

Utility Companies:

Electric —	P.S.E.G. Services Corporation Construction Inquiry Center 410 Route 139 South Bordentown, NJ 08505 1-800-832-0076
Telephone —	Verizon 10 Tansboro Road Berlin, NJ 08009 Contact person: Mr. Michael Leone – (856) 306-8611
Gas —	South Jersey Gas Company 305 Center Avenue Waterford Works, NJ 08089 Contact person: Mr. Glen W. Naneek – (609) 645-2690 x 6451
Water —	New Jersey American Water Company 204 Carriage Lane Delran, NJ 08075 Contact person: Mr. John Graham Jr. – (856) 764-6920
Sewer —	Somerdale Borough Sewer Department 105 Kennedy Boulevard Somerdale, NJ 08083 Contact person: Mr. Greg Ruggieri, Superintendent – (856) 783-4648
C.C.M.U.A. —	Camden County Municipal Utility Authority 1645 Ferry Ave. Camden, NJ 08104 Contact person: Mr. Scott Schreiber, Executive Director – (856) 583-1261
Cable —	Comcast Cable Communications Inc. 1250 Haddonfield— Berlin Road P.O. Box 5025 Cherry Hill, NJ 08034 Contact person: Mr. Wyatt Parrish – (484) 368-4391
Public Works —	Somerdale Borough Public Works Department 105 Kennedy Boulevard Somerdale, NJ 08083 Contact person: Mr. Greg Ruggieri, Superintendent – (856) 783-4648

Sheet List Table

Sheet Number	Sheet Title
1	Cover Sheet
2	Estimate and Distribution of Quantities
3	Base Bid 'A' – Construction Plan
4	Base Bid 'B' – Construction Plan
5	Base Bid 'A' – Intersection Grading Plan
6	Base Bid 'A' – Intersection Grading Plan
7	Typical Cross Sections
8	Enlarged Driveway Details
9	Enlarged Driveway Details
10	Details
11	Details

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTECH ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE:	DESCRIPTION	DRWN.	CHKD.
Cover Sheet				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023		DRAWN BY: S. Heebner	CHKD. BY:	SCALE: AS NOTED
PROJECT No. 07-546SM0520		FIELD BOOK/PAGE:		SHEET No. 1 OF 11
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER NJPE No. 32853 PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
MODUTECH Engineers & Constructors, Inc. 80 S. White Horse Pike Berlin, New Jersey 08009 Phone: (856) 767-6111 Fax: (856) 767-6111 www.modutechengineers.com CERTIFICATE OF AUTHORIZATION #26AG280800				
				DATE _____

List of Quantities:

Base Bid 'A': Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue Station 27+50± to Station 31+4.2±
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3	TOTAL
1	SAWCUT BITUMINOUS PAVEMENT	L.F.	145	145
2	EXCAVATION, UNCLASSIFIED	C.Y.	490	490
3	REMOVE TREE, 2" DIA.	UNIT	1	1
4	6"X8"X18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	700	700
5	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS B WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	55	55
6	CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	200	200
7	CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	50	50
8	RED LANDSCAPE STONE, 6" THICK	S.Y.	22	22
9	PAVEMENT REINFORCING GEOGRID	S.Y.	1100	1100
10	DENSE GRADED AGGREGATE SUBBASE, 6" THICK	S.Y.	1100	1100
11	HOT MIX ASPHALT, 2.5M64 BASE COURSE, 5" THICK	S.Y.	1100	1100
12	HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK	S.Y.	1100	1100
13	SIGN	UNIT	8	8
14	DETECTABLE WARNING SURFACE	S.F.	128	128
15	TRAFFIC STRIPES, 6" WIDE	L.F.	500	500
16	TRAFFIC STRIPES, 12" WIDE	L.F.	555	555
17	INTERLOCKING PRECAST LANDSCAPE WALL SYSTEM, COMPLETE	L.F.	140	140
18	TOPSOIL, 5" THICK AND SODDING	S.Y.	450	450
19	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.	L.S.
20	FUEL PRICE ADJUSTMENT	L.S.	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3	TOTAL
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.	N.S.P.
C	REMOVE CONCRETE CURB	L.F.	700	700
D	REMOVE CONCRETE CURB AND GUTTER	L.F.	22	22
E	REMOVE CONCRETE SIDEWALK AND CURB RAMP	S.Y.	185	185
F	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	40	40
G	REMOVE SIGN	UNIT	8	8
H	REPLACE MANHOLE CASTING	UNIT	1	1
I	REPLACE INLET GRATE	UNIT	1	1
J	RESET INLET CASTING	UNIT	1	1
K	RESET BRICK EDGING	L.F.	40	40
L	RESET CONCRETE MONUMENT (BY OTHERS)	UNIT	2	2
M	REMOVE LANDSCAPE STONE WALL	L.F.	10	10
N	RECONSTRUCT ROOF DRAIN	UNIT	1	1
O	RESET SIGN	UNIT	1	1
P	RESET WATER VALVE BOX	UNIT	2	2
Q	RESET GAS VALVE BOX	UNIT	1	1
R	JOINT SEALER	L.F.	120	120
S	DEWATERING	N.S.P.	N.S.P.	N.S.P.
T	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.
U	WATERING	N.S.P.	N.S.P.	N.S.P.
V	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.
W	N.J.D.O.T. CIVIL RIGHTS SIGN	UNIT	1	1

Base Bid 'A', Alternate No. 1:

Sidewalk Addition along the South Side of Chestnut Avenue
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3	TOTAL
1	CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	31	31
2	TOPSOIL, 5" THICK AND SODDING	S.Y.	25	25

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3	TOTAL
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.
B	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.
C	WATERING	N.S.P.	N.S.P.	N.S.P.
D	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.

List of Quantities:

Base Bid 'B': Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard Station 11+10± to Station 13+93.6±
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4	TOTAL
1	SAWCUT BITUMINOUS PAVEMENT	L.F.	30	30
2	EXCAVATION, UNCLASSIFIED	C.Y.	252	252
3	6"X8"X18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	350	350
4	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS B WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	155	155
5	CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	35	35
6	CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	85	85
7	PAVEMENT REINFORCING GEOGRID	S.Y.	975	975
8	DENSE GRADED AGGREGATE SUBBASE, 6" THICK	S.Y.	975	975
9	HOT MIX ASPHALT, 2.5M64 BASE COURSE, 5" THICK	S.Y.	975	975
10	HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK	S.Y.	975	975
11	TOPSOIL, 5" THICK AND SODDING	S.Y.	250	250
12	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.	L.S.
13	FUEL PRICE ADJUSTMENT	L.S.	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4	TOTAL
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.
B	REMOVE CONCRETE CURB AND GUTTER	L.F.	505	505
C	REMOVE CONCRETE SIDEWALK	S.Y.	35	35
D	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	85	85
E	REMOVE GRANITE CURBING	L.F.	20	20
F	RESET RAILROAD TIE EDGING	L.F.	15	15
G	JOINT SEALER	L.F.	30	30
H	DEWATERING	N.S.P.	N.S.P.	N.S.P.
I	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.
J	WATERING	N.S.P.	N.S.P.	N.S.P.
K	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.

Base Bid 'B', Alternate No. 1:

Sidewalk Addition along the North Side of Parkview Avenue
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4	TOTAL
1	SAWCUT BITUMINOUS DRIVEWAY	L.F.	10	10
2	EXCAVATION, UNCLASSIFIED	C.Y.	5	5
3	REMOVE TREE, 6"-12" DIA.	UNIT	8	8
4	CONCRETE SIDEWALK, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	50	50
5	CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	15	15
6	TOPSOIL, 5" THICK AND SODDING	S.Y.	50	50
7	TREE, 1-3/4" TO 2" DIA. CALIPER B&B, 8' TO 10' HIGH	UNIT	4	4

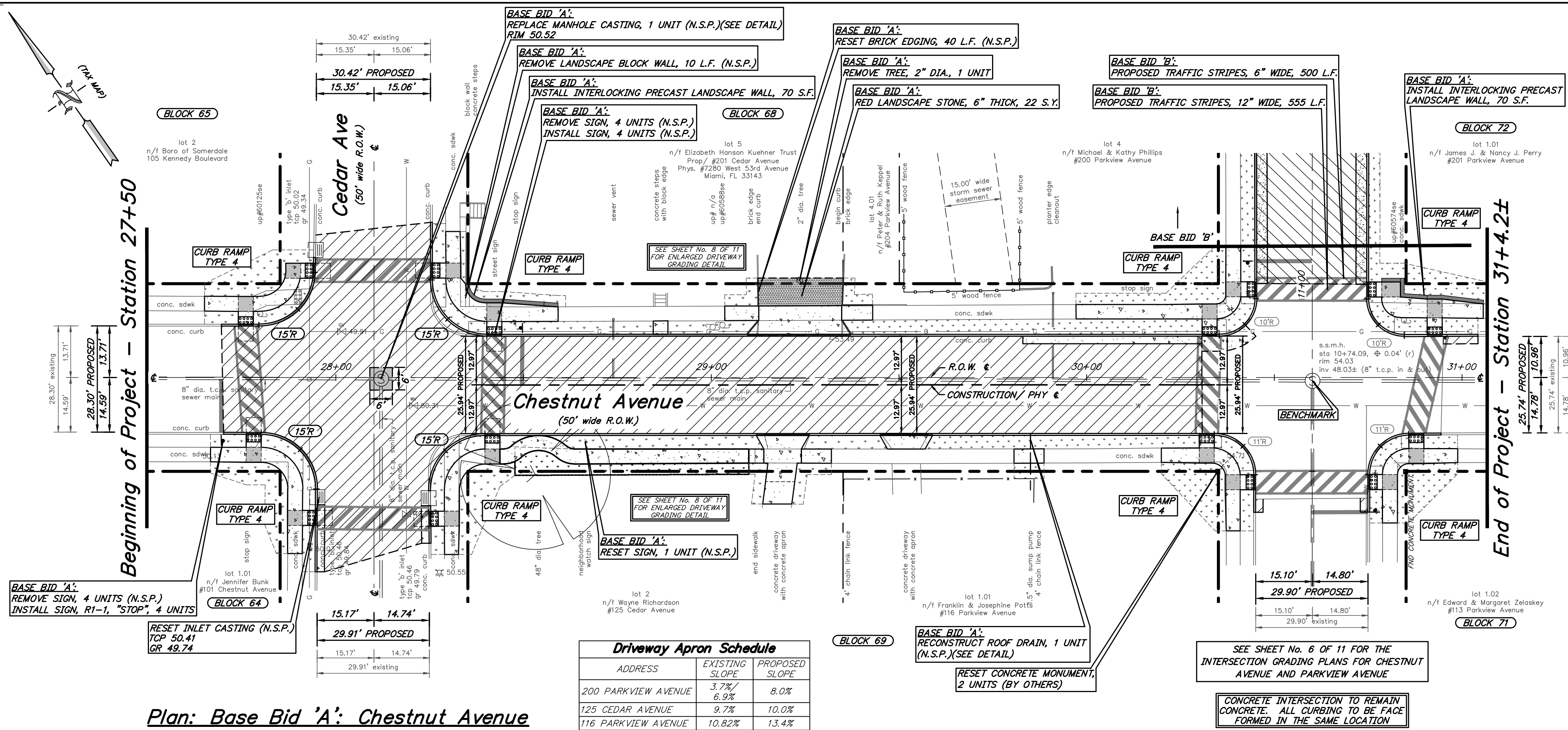
No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4	TOTAL
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.	N.S.P.
B	REMOVE RAILROAD TIE EDGING	L.F.	10	10
C	JOINT SEALER	L.F.	10	10
D	CONCRETE SEALING	N.S.P.	N.S.P.	N.S.P.
E	WATERING	N.S.P.	N.S.P.	N.S.P.
F	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.	N.S.P.

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTEC ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

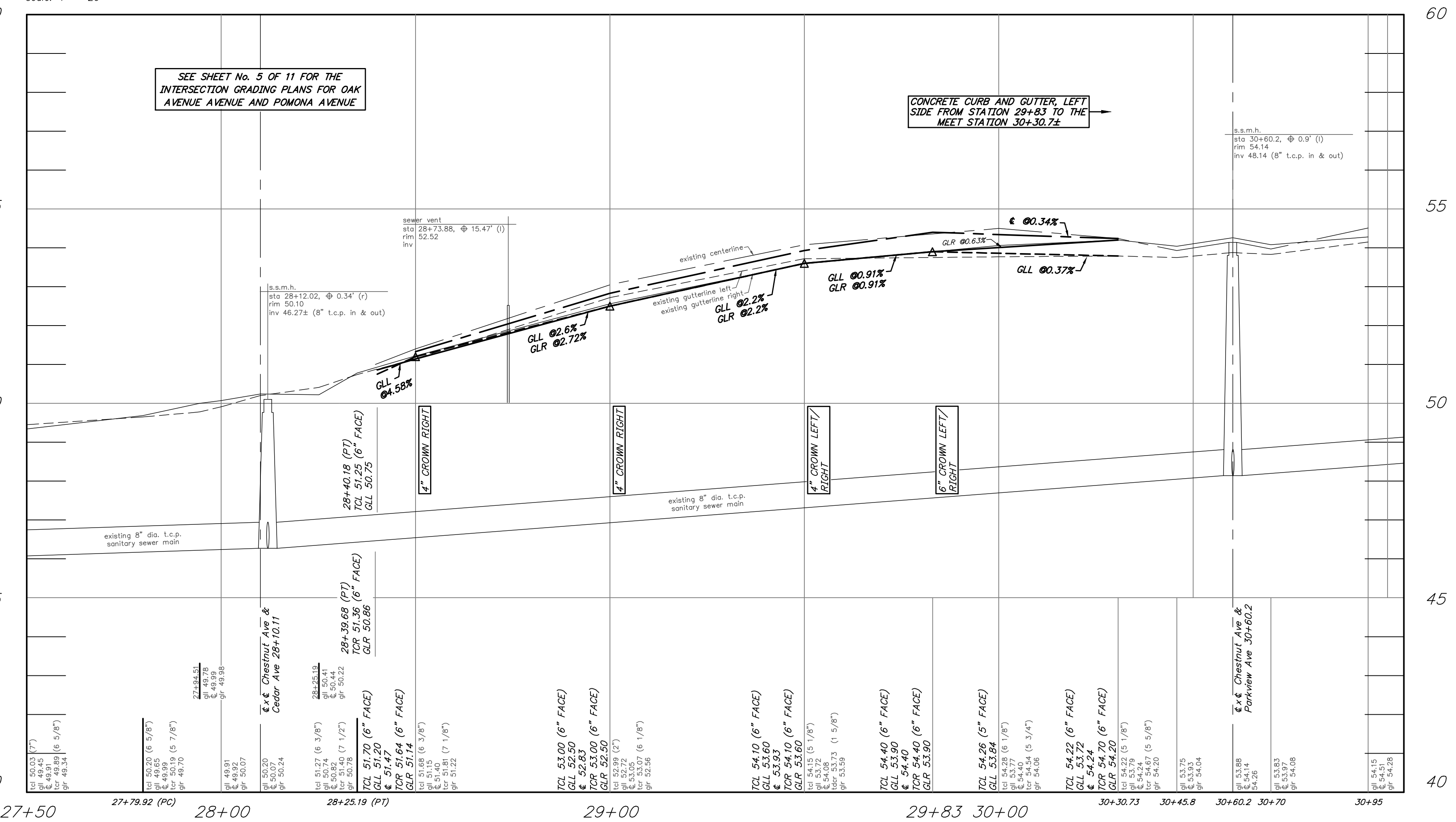
REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Estimate and Distribution of Quantities				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023	DRAWN BY: S. Heebner	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 07-546SM0520	FIELD BOOK/PAGE:	SHEET No. 2 OF 11		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER NJPE No. 32853 PAPE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
MODUTEC Engineers & Constructors, Inc. 80 S. White Horse Pike Berlin, New Jersey 08009 Phone: (856) 747-6111 Fax: (856) 753-1401 www.modutecengineers.com CERTIFICATE OF AUTHORIZATION #26GA2807800				
				DATE _____



Driveway Apron Schedule

ADDRESS	EXISTING SLOPE	PROPOSED SLOPE
200 PARKVIEW AVENUE	3.7%	8.0%
125 CEDAR AVENUE	9.7%	10.0%
116 PARKVIEW AVENUE	10.82%	13.4%

Plan: Base Bid 'A': Chestnut Avenue
scale: 1" = 20'



Plan: Base Bid 'A': Chestnut Avenue
scale: horizontal 1" = 20'
vertical 1" = 2'

BASE BID 'A': CONCRETE RESTORATION:
REMOVE CONCRETE CURB, 700 L.F.
REMOVE CONCRETE SIDEWALK AND CURB RAMP, 185 S.Y. (N.S.P.)
REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK, 40 S.Y. (N.S.P.)
CONSTRUCT CONCRETE 6"X8"X18" CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION 1-11, AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 55 L.F.
CONSTRUCT CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK, 200 S.Y.
CONSTRUCT CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 50 S.Y.

BASE BID 'A': GRANULAR RESTORATION:
REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK, 40 S.Y. (N.S.P.)
EXCAVATION, UNCLASSIFIED, 490 C.Y.
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK, 1,100 S.Y.
HOT MIX ASPHALT, 25M64 BASE COURSE, 5" THICK, 1,100 S.Y.
DENSE GRADED AGGREGATE, 6" THICK, 1,100 S.Y.
PAVEMENT REINFORCING GEGRID, 1,100 S.Y.

BASE BID 'A': TOPSOIL, 5" THICK AND SODDING, 450 S.Y.

BASE BID 'A': RESET WATER VALVE BOX, 2 UNITS (N.S.P.)
RESET GAS VALVE BOX, 1 UNIT (N.S.P.)

Legend:

- BASE BID 'A': ROADWAY RESTORATION PAVEMENT CROSS-SECTION: EXCAVATION UNCLASSIFIED
- HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
- HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
- DENSE GRADED AGGREGATE SUBBASE, 6" THICK
- PAVEMENT REINFORCING GEGRID
- BASE BID 'A': SANITARY SEWER RESTORATION CROSS-SECTION: SUBSURFACE STRUCTURE EXCAVATION
- HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
- HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
- DENSE GRADED AGGREGATE SUBBASE, 6" THICK
- PAVEMENT REINFORCING GEGRID
- BASE BID 'A': CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE 4" THICK
- BASE BID 'A': TOPSOIL, 5" THICK AND SODDING
- ALTERNATE No. 1: RED LANDSCAPE STONE, 6" THICK
- ALTERNATE No. 1: CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE 4" THICK
- ALTERNATE No. 1: TOPSOIL, 5" THICK AND SODDING

ALL CURB RAMPS CONSTRUCTED SHALL MEET THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, DATED JULY 26, 2011.

THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (SEE SOIL CONSERVATION NOTES), LUMP SUM (N.S.P.).

ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL, SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT, VERTICALLY, TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.

CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.

(N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.

THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.

SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.

List of Quantities:
Base Bid 'A': Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue Station 27+50± to Station 31+4.2±
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3
1	SAWCUT BITUMINOUS PAVEMENT	L.F.	145
2	EXCAVATION, UNCLASSIFIED	C.Y.	490
3	REMOVE TREE, 2" DIA.	UNIT	1
4	6"X8"X18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION 1-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	700
5	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS B WITH SELECT BACKFILL, DESIGNATION 1-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	55
6	CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	200
7	CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	50
8	RED LANDSCAPE STONE, 6" THICK	S.Y.	22
9	PAVEMENT REINFORCING GEGRID	S.Y.	1100
10	DENSE GRADED AGGREGATE SUBBASE, 6" THICK	S.Y.	1100
11	HOT MIX ASPHALT, 25M64 BASE COURSE, 5" THICK	S.Y.	1100
12	HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK	S.Y.	1100
13	SIGN	UNIT	8
14	DETECTABLE WARNING SURFACE	S.F.	128
15	TRAFFIC STRIPES, 6" WIDE	L.F.	500
16	TRAFFIC STRIPES, 12" WIDE	L.F.	555
17	INTERLOCKING PRECAST LANDSCAPE WALL SYSTEM, COMPLETE	L.F.	140
18	TOPSOIL, 5" THICK AND SODDING	S.Y.	450
19	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.
20	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.
C	REMOVE CONCRETE CURB	L.F.	700
D	REMOVE CONCRETE CURB AND GUTTER	L.F.	22
E	REMOVE CONCRETE SIDEWALK AND CURB RAMP	S.Y.	185
F	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	40
G	REMOVE SIGN	UNIT	8
H	REPLACE MANHOLE CASTING	UNIT	1
I	REPLACE INLET GRATE	UNIT	1
J	RESET INLET CASTING	UNIT	1
K	RESET BRICK EDGING	L.F.	40
L	RESET CONCRETE MONUMENT (BY OTHERS)	UNIT	2
M	REMOVE LANDSCAPE STONE WALL	L.F.	10
N	RECONSTRUCT ROOF DRAIN	UNIT	1
O	RESET SIGN	UNIT	1
P	RESET WATER VALVE BOX	UNIT	2
Q	RESET GAS VALVE BOX	UNIT	1
R	JOINT SEALER	L.F.	120
S	DEWATERING	N.S.P.	N.S.P.
T	CONCRETE SEALING	N.S.P.	N.S.P.
U	WATERING	N.S.P.	N.S.P.
V	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.
W	N.J.D.O.T. CIVIL RIGHTS SIGN	UNIT	1

Base Bid 'A': Alt. No. 1: Sidewalk Addition along the South Side of Chestnut Ave
(PARTIALLY FUNDED THROUGH THE N.J.D.O.T. MUNICIPAL AID PROGRAM, FY2022)

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3
1	CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	31
2	TOPSOIL, 5" THICK AND SODDING	S.Y.	25

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 3
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	CONCRETE SEALING	N.S.P.	N.S.P.
C	WATERING	N.S.P.	N.S.P.
D	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

CONCRETE INTERSECTION TO REMAIN CONCRETE. ALL CURBING TO BE FACE FORMED IN THE SAME LOCATION.

SEE SHEET No. 6 OF 11 FOR THE INTERSECTION GRADING PLANS FOR CHESTNUT AVENUE AND PARKVIEW AVENUE

CONCRETE CURB AND GUTTER LEFT SIDE FROM STATION 29+83 TO THE MEET STATION 30+30.7±

REV. DATE DESCRIPTION DRWN. CHKD.

Base Bid 'A' - Construction Plan

Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Cedar Avenue to Kennedy Boulevard

Borough of Somerdale
Camden County, New Jersey

DATE: 2/6/2023 DRAWN BY: S. Hebborn CHKD. BY: SCALE: AS NOTED
PROJECT No. 07-546S0520 FIELD BOOK/PAGE: SHEET No. 3 OF 11

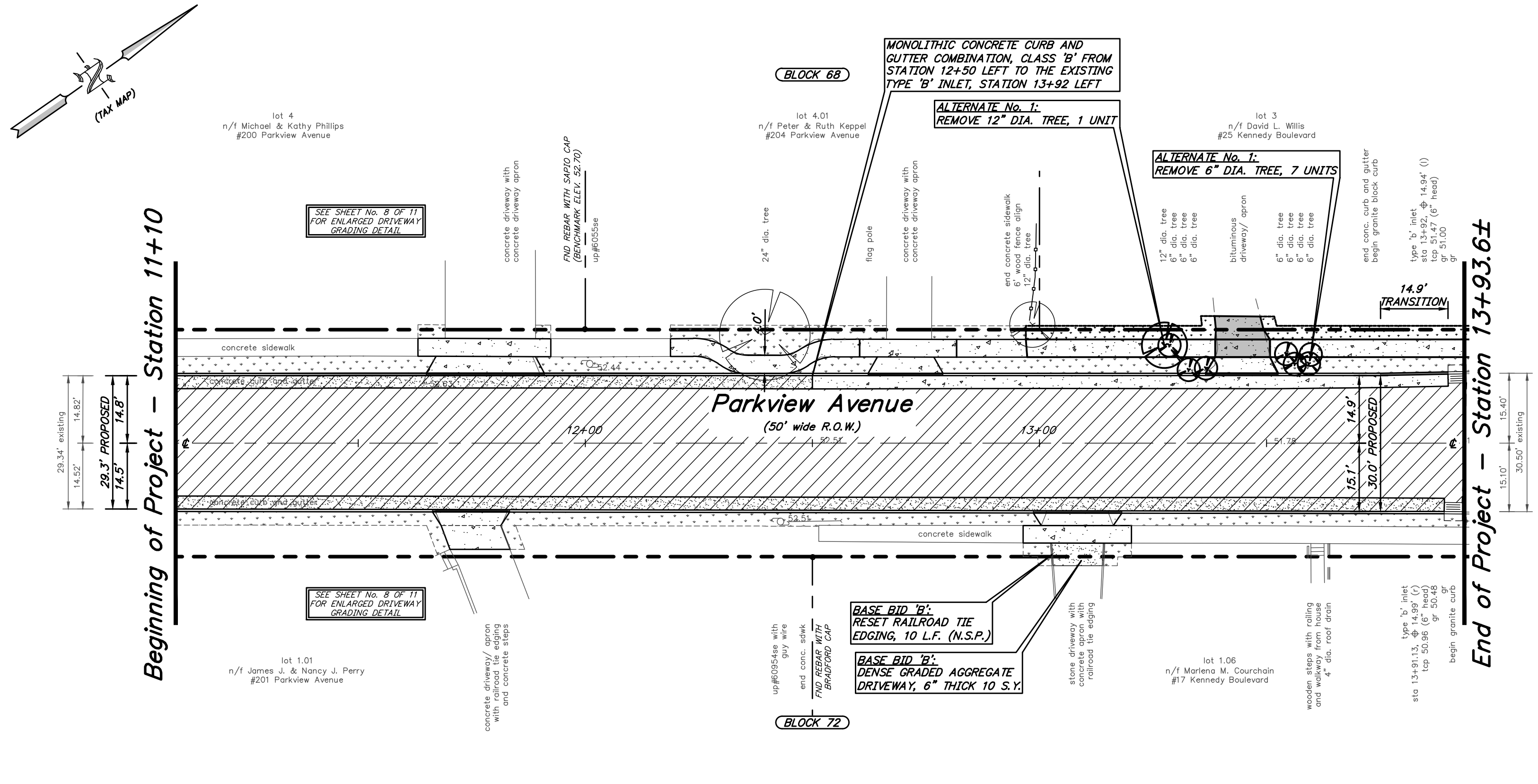
GREGORY BLASE FUSCO
PROFESSIONAL ENGINEER
NJPE No. 32853 PA.PE No. 036608-E
NJ PROFESSIONAL PLANNER No. 4076

MODUTEC
Engineers & Constructors, Inc.
80 S. White Horse Pike
Berlin, New Jersey 08009
Phone: (856) 767-6111
Fax: (856) 767-6101
www.modutecengineers.com
CERTIFICATE OF AUTHORIZATION #2462807800

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTEC ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

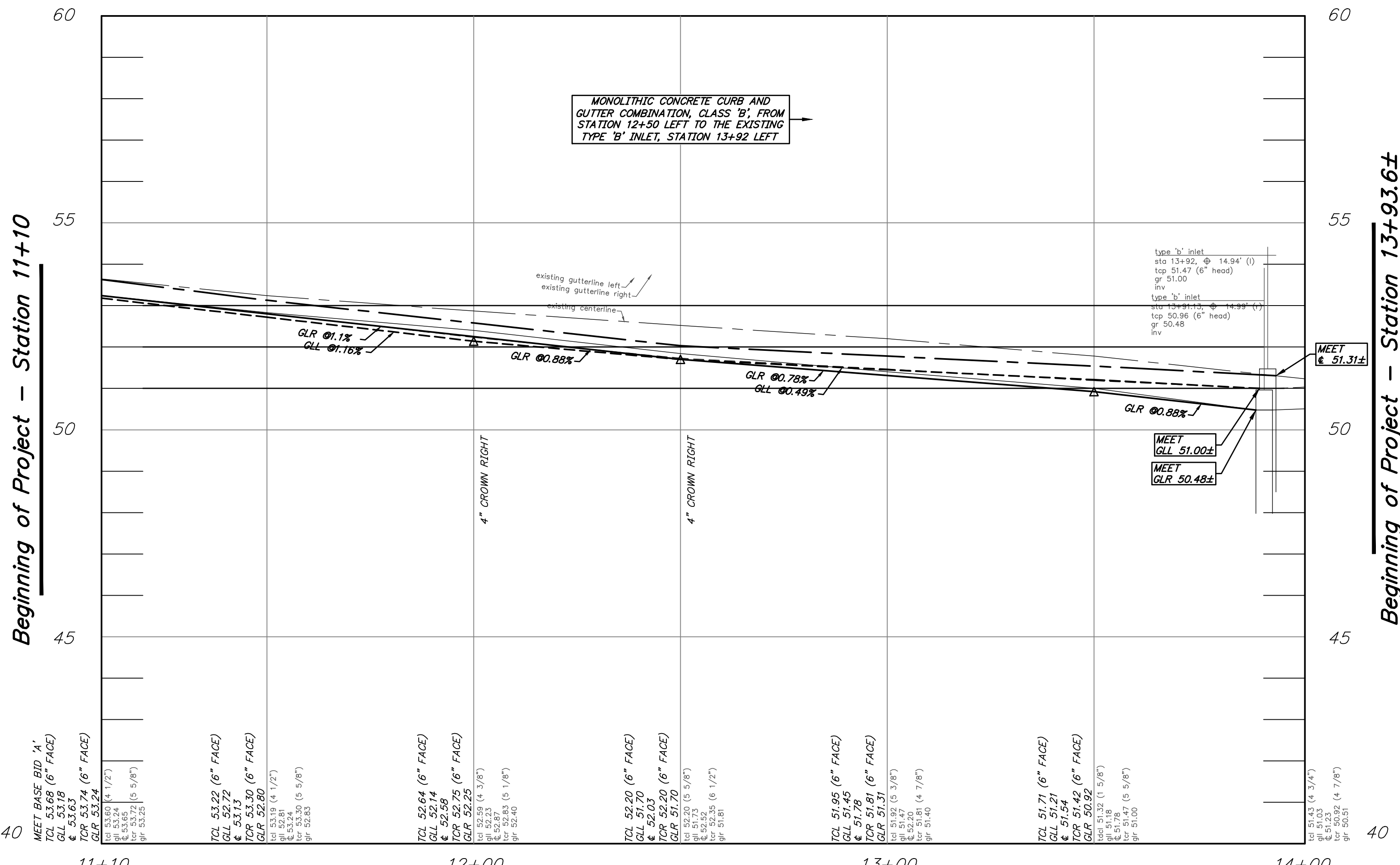
DATE _____

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.



Plan: Base Bid 'B': Parkview Avenue

scale: 1" = 20'



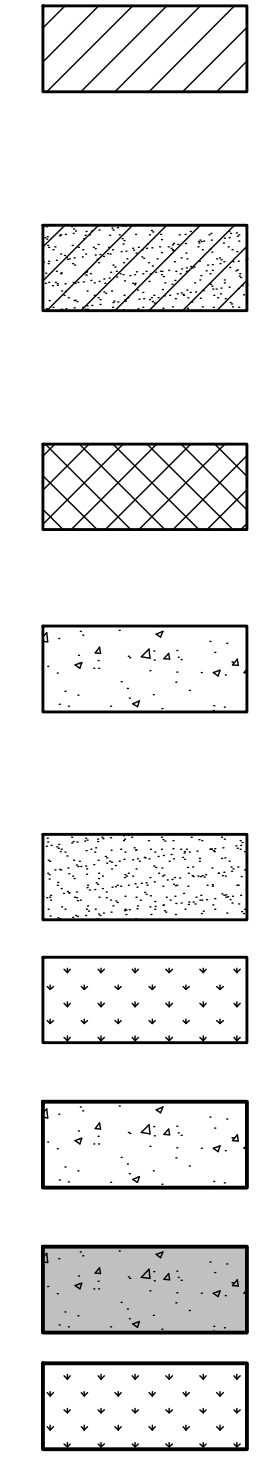
Plan: Base Bid 'B': Parkview Avenue

scale: horizontal 1" = 20'
vertical 1" = 2'

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

- BASE BID 'B': CONCRETE RESTORATION:**
REMOVE CONCRETE CURB AND GUTTER, 505 L.F. (N.S.P.)
REMOVE CONCRETE SIDEWALK, 35 S.Y. (N.S.P.)
REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK, 85 S.Y. (N.S.P.)
CONSTRUCT 6"x8"x18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL DESIGNATION 1-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 350 L.F.
CONSTRUCT MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION 1-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 155 L.F.
CONSTRUCT CONCRETE SIDEWALK, CLASS 'B', 4" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 35 S.Y.
CONSTRUCT CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 85 S.Y.
- BASE BID 'B': ROADWAY RESTORATION:**
EXCAVATION, UNCLASSIFIED, 252 C.Y.
HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK, 975 S.Y.
HOT MIX ASPHALT, 25M64 BASE COURSE, 5" THICK, 975 S.Y.
DENSE GRADED AGGREGATE, 6" THICK, 975 S.Y.
PAVEMENT REINFORCING GEGRID, 975 S.Y.
- BASE BID 'B': TOPSOIL:**
TOPSOIL, 5" THICK AND SODDING, 250 S.Y.
- ALL CURB RAMPS CONSTRUCTED SHALL MEET THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, DATED JULY 26, 2011**
- THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (SEE SOIL CONSERVATION NOTES), LUMP SUM (N.S.P.).**
- ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT, VERTICALLY, TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.**
- CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.**
- (N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.**
- THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.**
- SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH, AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE, AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.**

Legend:



List of Quantities:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4
1	SAWCUT BITUMINOUS PAVEMENT	L.F.	30
2	EXCAVATION, UNCLASSIFIED	C.Y.	252
3	6"x8"x18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION 1-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	350
4	MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION 1-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	155
5	CONCRETE SIDEWALK AND CURB RAMP, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	35
6	CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	85
7	PAVEMENT REINFORCING GEGRID	S.Y.	975
8	DENSE GRADED AGGREGATE SUBBASE, 6" THICK	S.Y.	975
9	HOT MIX ASPHALT, 25M64 BASE COURSE, 5" THICK	S.Y.	975
10	HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK	S.Y.	975
11	TOPSOIL, 5" THICK AND SODDING	S.Y.	250
12	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.
13	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	REMOVE CONCRETE CURB AND GUTTER	L.F.	505
C	REMOVE CONCRETE SIDEWALK	S.Y.	35
D	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	85
E	REMOVE GRANITE CURBING	L.F.	20
F	RESET RAILROAD TIE EDGING	L.F.	15
G	JOINT SEALER	L.F.	30
H	DEWATERING	N.S.P.	N.S.P.
I	CONCRETE SEALING	N.S.P.	N.S.P.
J	WATERING	N.S.P.	N.S.P.
K	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

Base Bid 'B' Alternate No. 1: Sidewalk Addition along the North Side of Parkview Avenue

PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2022

Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4
1	SAWCUT BITUMINOUS DRIVEWAY	L.F.	10
2	EXCAVATION, UNCLASSIFIED	C.Y.	5
3	REMOVE TREE, 6"-12" DIA.	UNIT	8
4	CONCRETE SIDEWALK, CLASS 'B', 4" THICK, WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	50
5	CONCRETE DRIVEWAY APRON/ SIDEWALK, CLASS 'B', 6" THICK, WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	15
6	TOPSOIL, 5" THICK AND SODDING	S.Y.	50
7	TREE, 1-3/4" TO 2" DIA. CALIPER B&B, 8' TO 10' HIGH	UNIT	4

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY SHEET 4
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	REMOVE RAILROAD TIE EDGING	L.F.	10
C	JOINT SEALER	L.F.	10
D	CONCRETE SEALING	N.S.P.	N.S.P.
E	WATERING	N.S.P.	N.S.P.
F	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

Driveway Apron Schedule

ADDRESS	EXISTING SLOPE	PROPOSED SLOPE
200 PARKVIEW AVENUE	7.4%	12.0%
201 PARKVIEW AVENUE	13.3%	13.3%
204 PARKVIEW AVENUE	16.3%	14.0%
17 KENNEDY BOULEVARD	2.2%	11.3%
25 KENNEDY BOULEVARD	15.7%	12.9%

REV. DATE DESCRIPTION DRWN. CHKD.

Base Bid 'B' - Construction Plan

Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard

Borough of Somerdale
Camden County, New Jersey

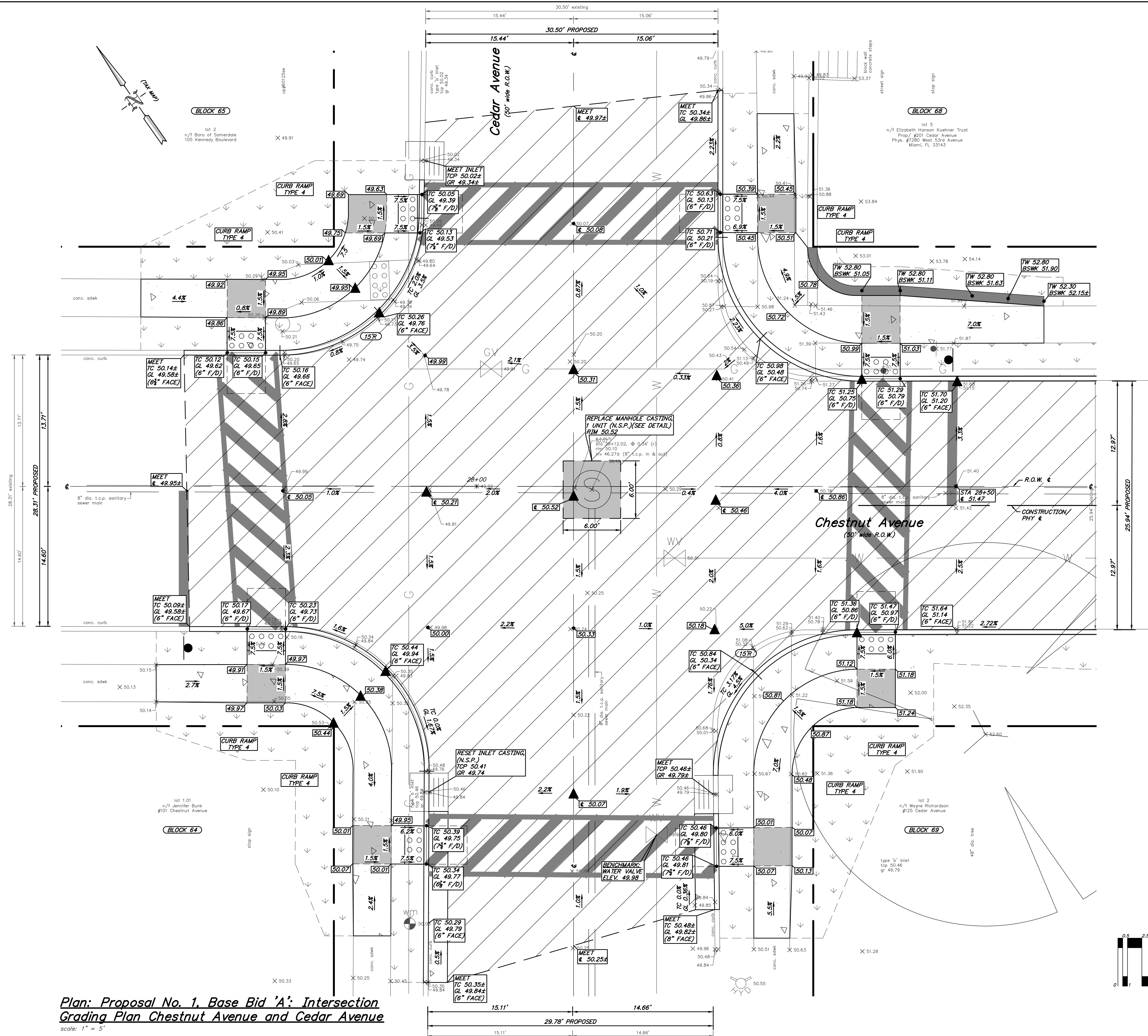
DATE: 2/6/2023 DRAWN BY: S. Hebborn CHKD. BY: SCALE: AS NOTED
PROJECT No. 07-546S0520 FIELD BOOK/PAGE: SHEET No. 4 OF 11

GREGORY BLASE FUSCO
PROFESSIONAL ENGINEER
NJPE No. 32853 PA.PE No. 036608-E
NJ PROFESSIONAL PLANNER No. 4076

MODUTEC
Engineers & Constructors, Inc.
80 S. White Horse Pike
Berlin, New Jersey 08009
Phone: (856) 767-6111 Fax: (856) 767-6101
www.modutecengineers.com
CERTIFICATE OF AUTHORIZATION #2462807800 DATE: _____

BENCHMARK: S.S.M.H. LOCATED IN THE INTERSECTION OF CHESTNUT AVENUE AND PARKVIEW AVENUE (RIM 54.03)

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTEC ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.



- Legend:**
- BASE BID 'A':**
ROADWAY RESTORATION PAVEMENT CROSS-SECTION:
EXCAVATION, UNCLASSIFIED
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEGRID
 - BASE BID 'A':**
SANITARY SEWER RESTORATION CROSS-SECTION:
SUBSURFACE STRUCTURE EXCAVATION
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEGRID
 - BASE BID 'A':**
CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B'
WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR
CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH
SOIL AGGREGATE SUBBASE 4" THICK
 - BASE BID 'A':**
TOPSOIL, 5" THICK AND SODDING
 - ALTERNATE No. 1:**
RED LANDSCAPE STONE, 6" THICK
 - ALTERNATE No. 1:**
CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS
'B', WITH SOIL AGGREGATE SUBBASE 4" THICK
 - ALTERNATE No. 1:**
TOPSOIL, 5" THICK AND SODDING

ALL CURB RAMPS CONSTRUCTED SHALL MEET THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, DATED JULY 26, 2011

THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (see soil conservation notes), LUMP SUM (N.S.P.).

ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT VERTICALLY TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.

CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT

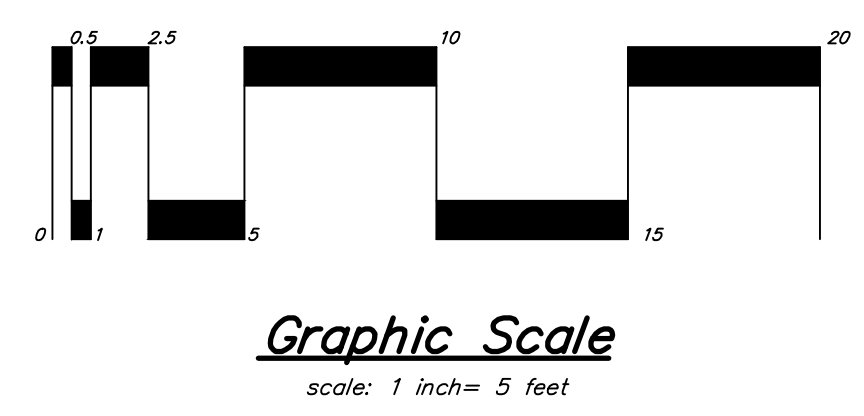
(N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL

THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER

SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH, AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.

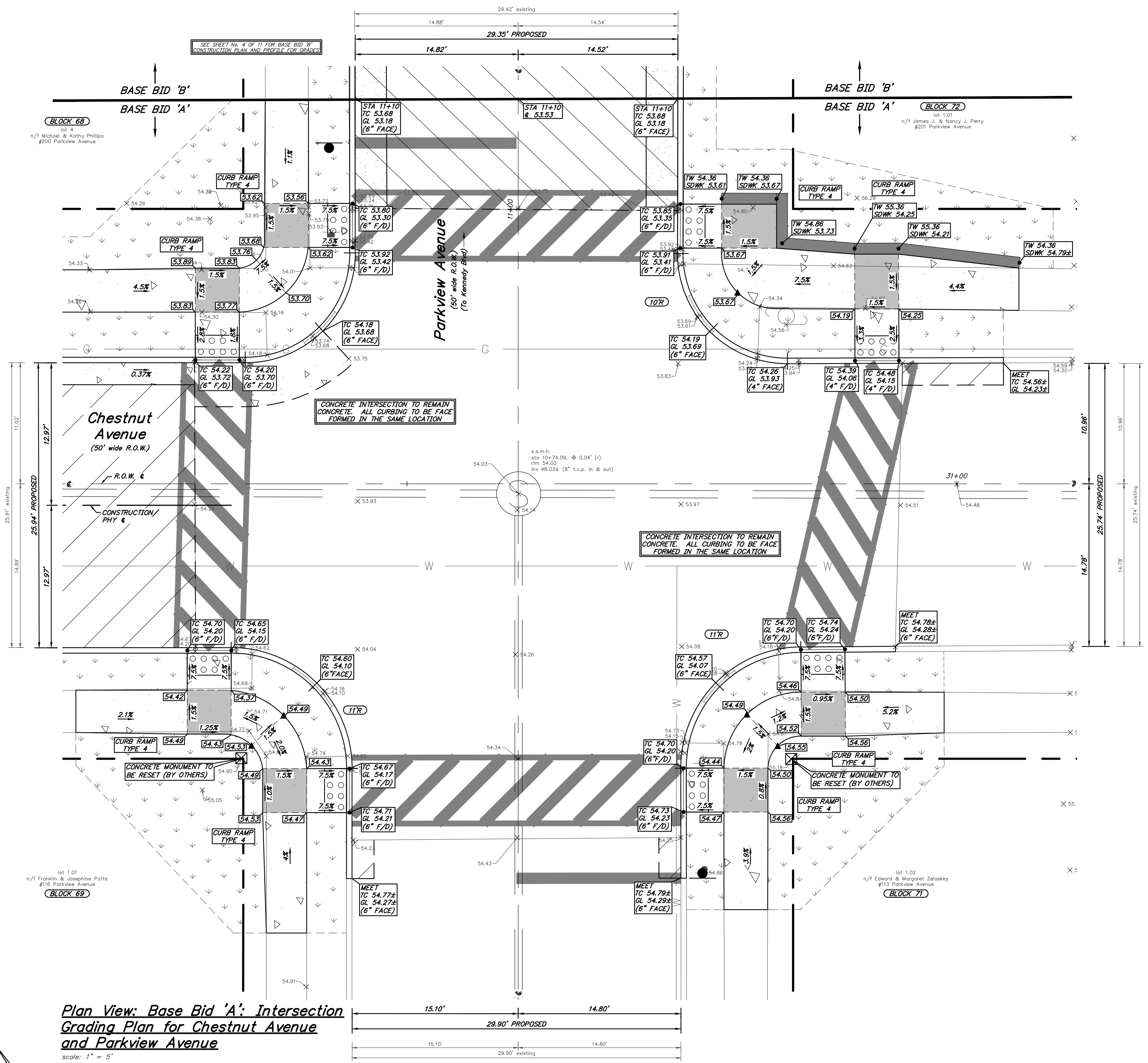
Plan: Proposal No. 1, Base Bid 'A': Intersection Grading Plan Chestnut Avenue and Cedar Avenue
scale: 1" = 5'

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.



REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Base Bid 'A' - Intersection Grading Plan				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023		DRAWN BY: S. Heebner		CHKD. BY:
PROJECT No. 07-546SM0520		FIELD BOOK/PAGE:		SHEET No. 5 OF 11
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PAPE No. 036608-E		
NJ PROFESSIONAL PLANNER No. 4076				
MODUTEC Engineers & Constructors, Inc.				
80 S. White Horse Pike Berlin, New Jersey 08009				
Phone: (856) 767-6111 Fax: (856) 767-6111 www.modutecengineers.com				
CERTIFICATE OF AUTHORIZATION #26A2837800				DATE:

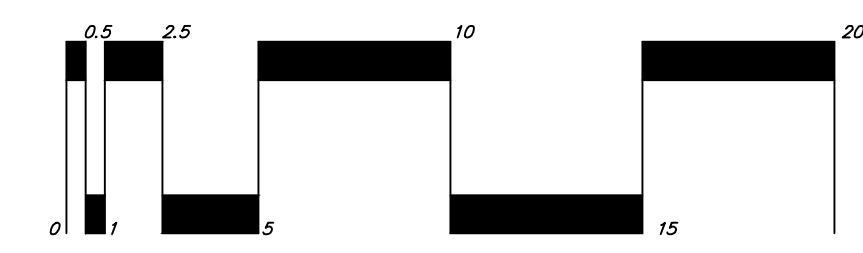
REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTEC ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.



- Legend:**
- BASE BID 'B': ROADWAY RESTORATION PAVEMENT CROSS-SECTION: EXCAVATION, UNCLASSIFIED HOT MIX ASPHALT, 9.5MG4, SURFACE COURSE, 2" THICK HOT MIX ASPHALT, 25MG4, BASE COURSE, 5" THICK DENSE GRADED AGGREGATE SUBBASE, 6" THICK PAVEMENT REINFORCING GEOGRID
 - BASE BID 'B': ROADWAY RESTORATION PAVEMENT CROSS-SECTION: REMOVE CONCRETE CURB AND GUTTER HOT MIX ASPHALT, 9.5MG4, SURFACE COURSE, 2" THICK HOT MIX ASPHALT, 25MG4, BASE COURSE, 5" THICK DENSE GRADED AGGREGATE SUBBASE, 6" THICK PAVEMENT REINFORCING GEOGRID
 - BASE BID 'B': CONCRETE DRIVEWAY/SIDEWALK/APRON, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B' WITH SOIL AGGREGATE SUBBASE 4" THICK OR MONOLITHIC CONCRETE CURB AND GUTTER COMBINATION, CLASS 'B'
 - BASE BID 'B': TOPSOIL, 5" THICK AND SOODING

- ALL CURB RAMPS CONSTRUCTED SHALL MEET THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, DATED JULY 26, 2011
- THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (See soil conservation notes), LUMP SUM (N.S.P.).
- ALL CONCRETE SIDEWALK DESIGNATED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT. IN LOCATIONS WHERE NO JOINTS EXIST, THE CONCRETE SIDEWALK SHALL BE SAWCUT, VERTICALLY, TO ALLOW FOR THE REMOVAL OF THE EXISTING SIDEWALK.
- CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT
- (N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL
- THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER
- SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH, AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE, AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED, UNLESS APPROVED BY THE CHIEF OF POLICE.

Plan View: Base Bid 'A': Intersection Grading Plan for Chestnut Avenue and Parkview Avenue
Scale: 1" = 5'

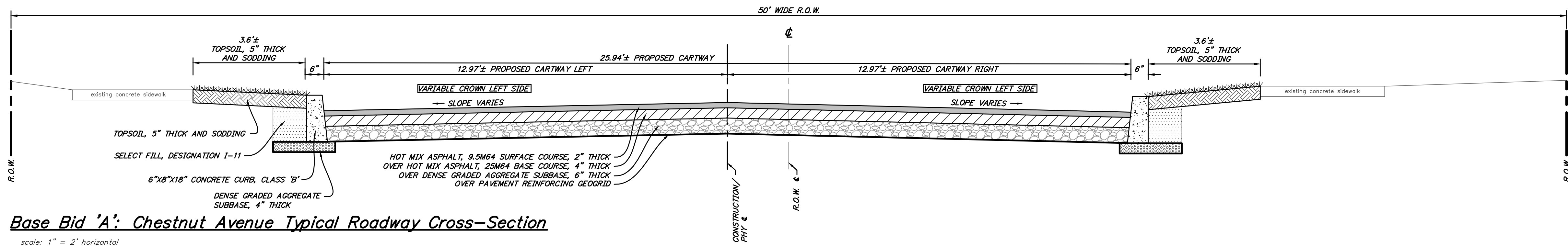


CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

BENCHMARK:
S.S.M.H. LOCATED IN THE INTERSECTION OF CHESTNUT AVENUE AND PARKVIEW AVENUE
RIM 54.03

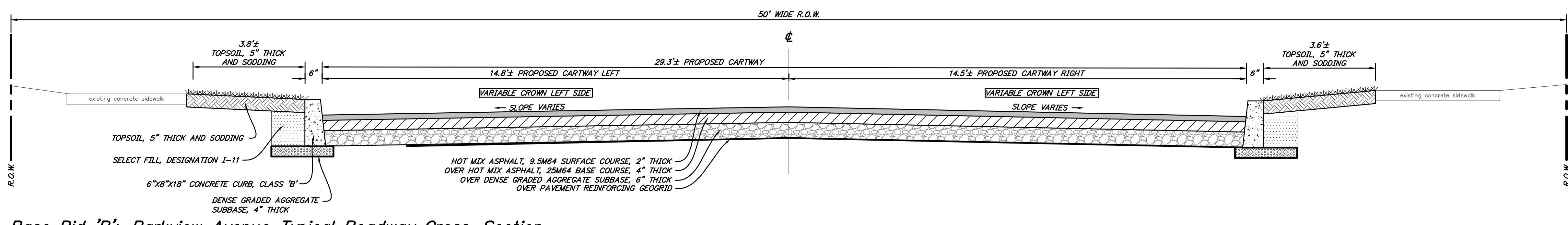
REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTEC ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Base Bid 'A' - Intersection Grading Plan				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023 DRAWN BY: S. Heebner CHKD. BY: SCALE: AS NOTED				
PROJECT No. 07-546SM0520 FIELD BOOK/PAGE: SHEET No. 6 OF 11				
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853 PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
MODUTEC Engineers & Constructors, Inc.				
80 S. White Horse Pike Berlin, New Jersey 08009 Phone: (856) 767-6111 Fax: (856) 767-1803 www.modutecengineers.com				
CERTIFICATE OF AUTHORIZATION #26A2837800				
				DATE



Base Bid 'A': Chestnut Avenue Typical Roadway Cross-Section

scale: 1" = 2' horizontal
1" = 2' vertical



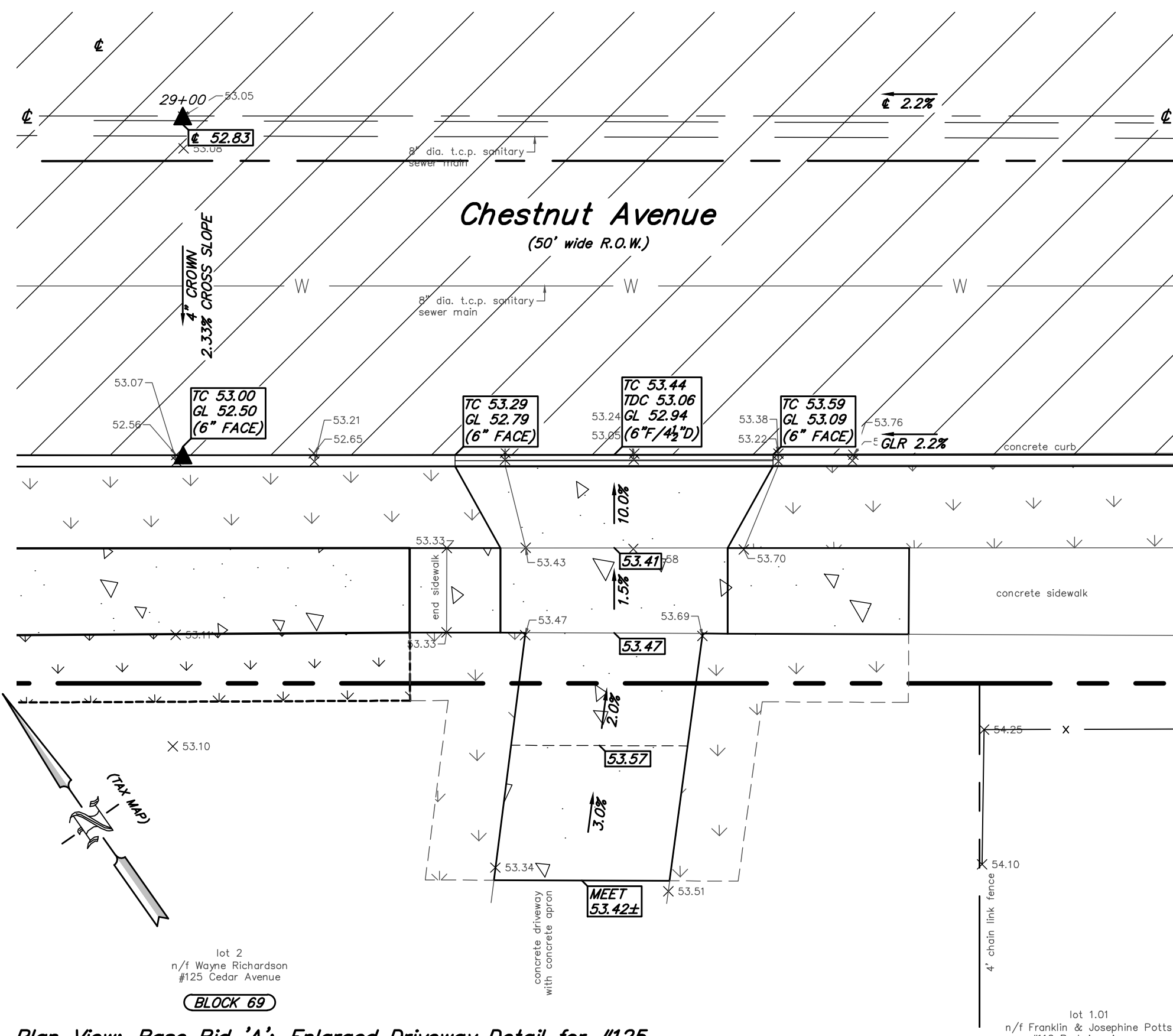
Base Bid 'B': Parkview Avenue Typical Roadway Cross-Section

scale: 1" = 2' horizontal
1" = 2' vertical

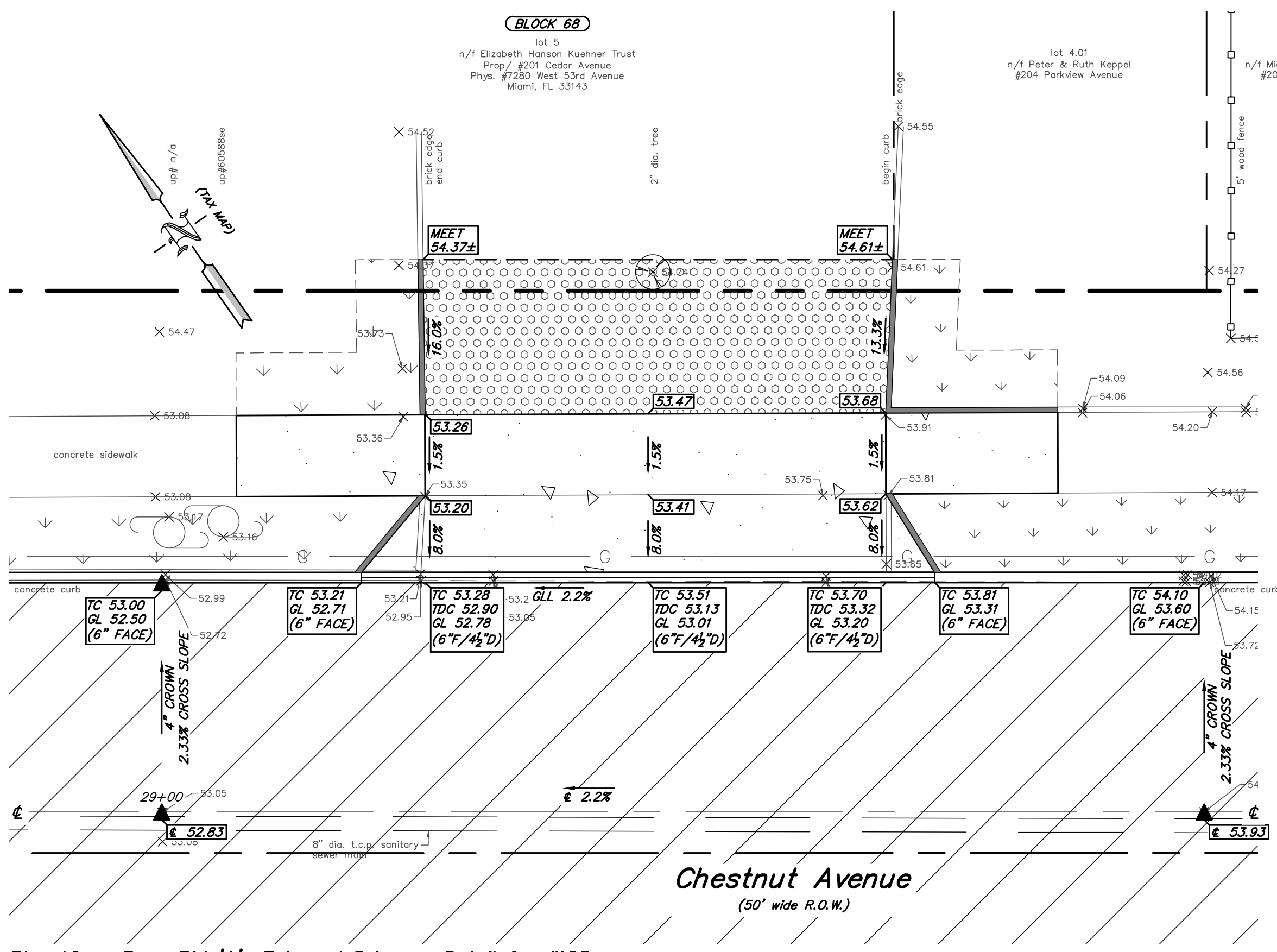
CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

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REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Typical Cross Sections				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023	DRAWN BY: S. Heebner	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 07-546SM0520	FIELD BOOK/PAGE:	SHEET No. 7 OF 11		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER NJPE No. 32853 PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
MODUTEC Engineers & Constructors, Inc. 80 S. White Horse Pike Berlin, New Jersey 08009 Phone: (856) 767-6111 Fax: (856) 767-6111 www.modutecengineers.com CERTIFICATE OF AUTHORIZATION #26GA2807800				
				DATE



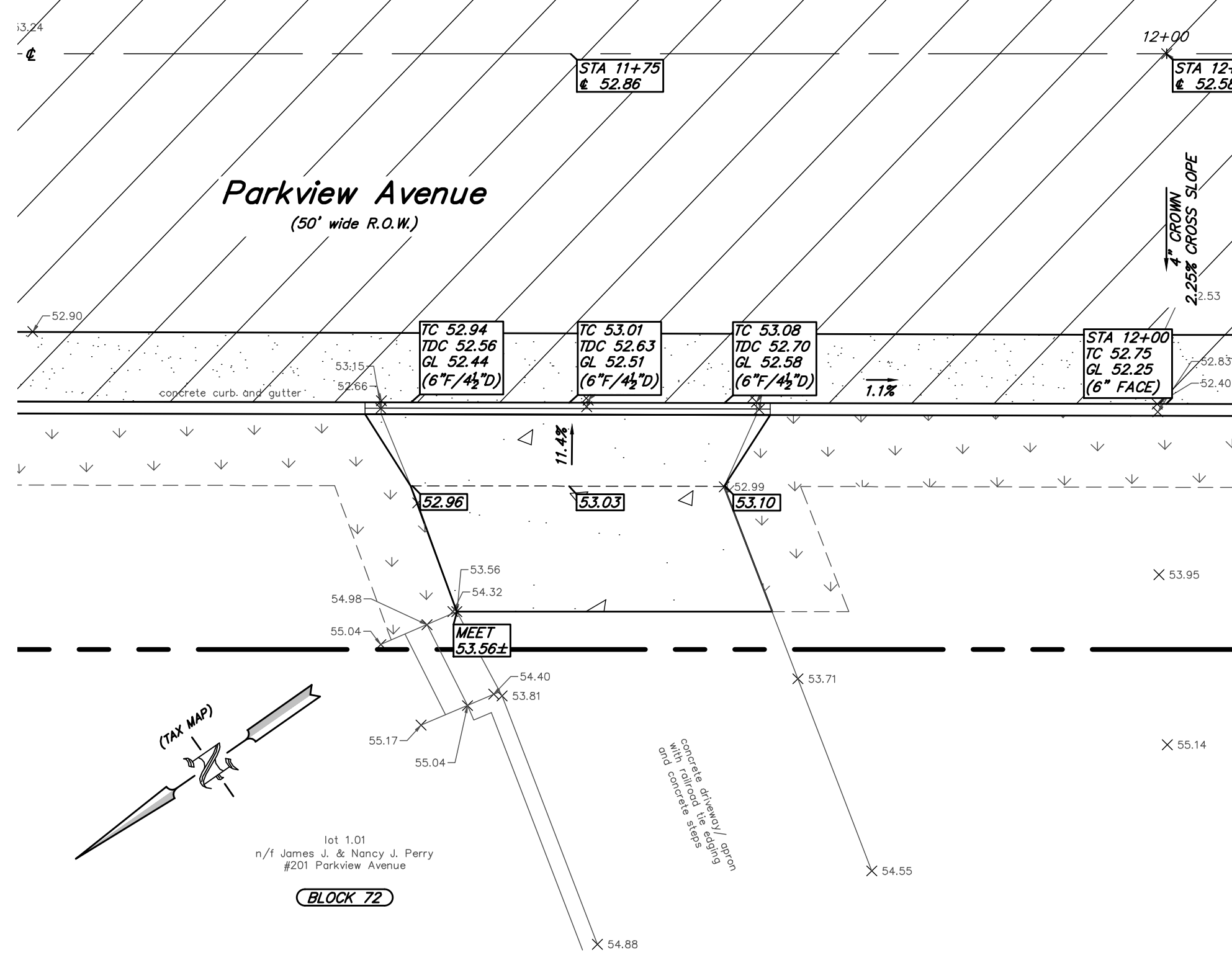
Plan View Base Bid 'A': Enlarged Driveway Detail for #125 Cedar Avenue
scale 1 inch = 5 feet



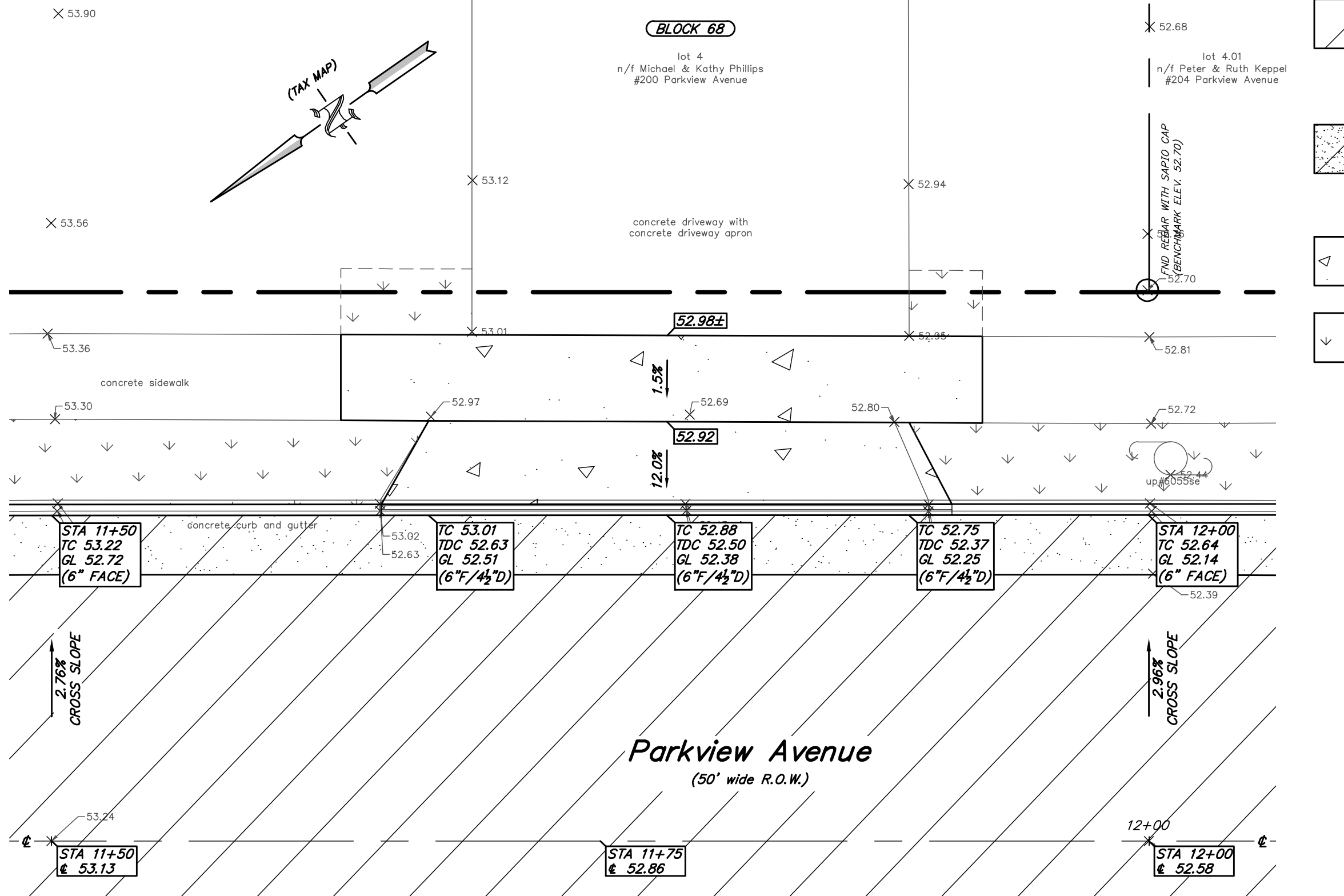
Plan View Base Bid 'A': Enlarged Driveway Detail for #125 Cedar Avenue
scale 1 inch = 5 feet

Legend:

- BASE BID 'A': ROADWAY RESTORATION PAVEMENT CROSS-SECTION:**
EXCAVATION, UNCLASSIFIED
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEGRID
- BASE BID 'A': SANITARY SEWER RESTORATION CROSS-SECTION:**
SUBSURFACE STRUCTURE EXCAVATION
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEGRID
- BASE BID 'A': CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE 4" THICK**
- BASE BID 'A': TOPSOIL, 5" THICK AND SODDING**
- BASE BID 'A': 6"X8"X18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL DESIGNATION 1-11, AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK**
- BASE BID 'A': RED LANDSCAPE STONE, 6" THICK**



Plan View Base Bid 'B': Enlarged Driveway Detail for #201 Parkview Avenue
scale 1 inch = 5 feet



Plan View Base Bid 'B': Enlarged Driveway Detail for #201 Parkview Avenue
scale 1 inch = 5 feet

Legend:

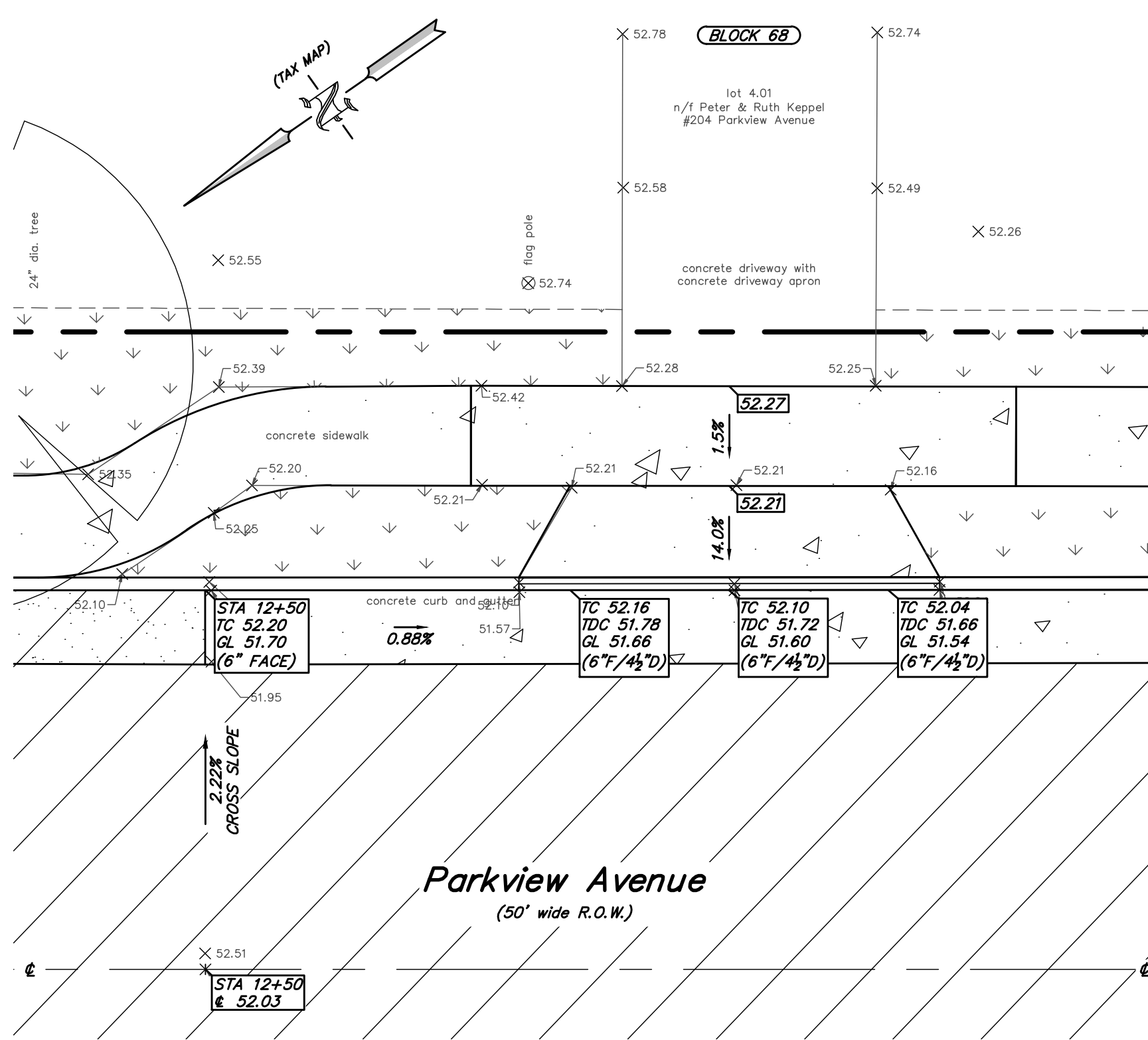
- BASE BID 'B': ROADWAY RESTORATION PAVEMENT CROSS-SECTION:**
EXCAVATION, UNCLASSIFIED
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEGRID
- BASE BID 'B': ROADWAY RESTORATION PAVEMENT CROSS-SECTION:**
REMOVE CONCRETE CURB AND GUTTER
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25M64, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEGRID
- BASE BID 'B': CONCRETE DRIVEWAY/SIDEWALK/APRON, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE 4" THICK**
- BASE BID 'B': TOPSOIL, 5" THICK AND SODDING**

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

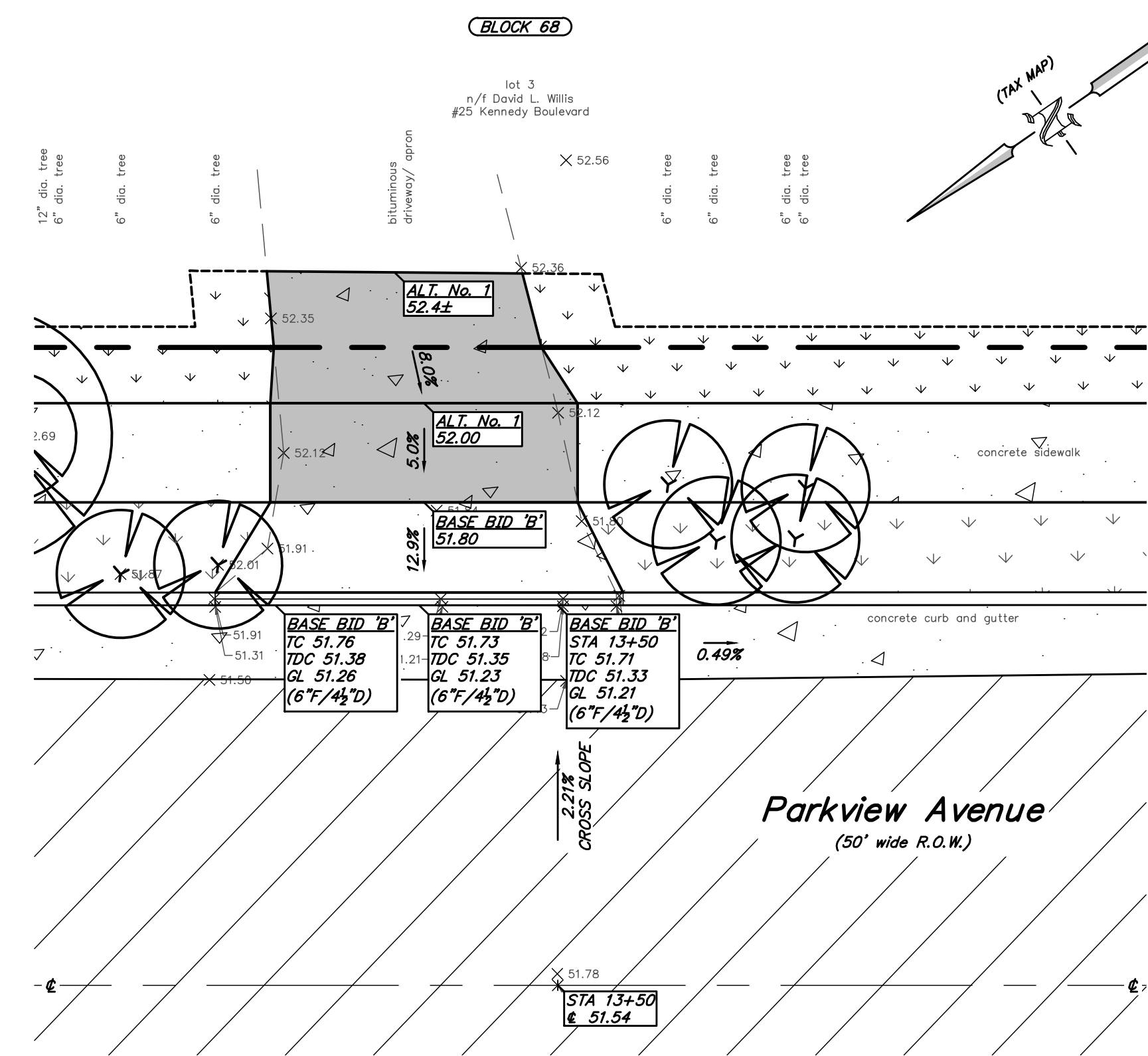
BENCHMARK:
S.S.M.H. LOCATED IN THE INTERSECTION OF CHESTNUT AVENUE AND PARKVIEW AVENUE
RIM 54.03

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY MODUTEC ENGINEERS & CONSTRUCTORS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Enlarged Driveway Details				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023 DRAWN BY: S. Heebner CHKD. BY: SCALE: AS NOTED				
PROJECT No. 07-546SM0520 FIELD BOOK/PAGE: SHEET No. 8 OF 11				
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER NJPE No. 32853 P.A.P.E. No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
MODUTEC Engineers & Constructors, Inc. 80 S. White Horse Pike Berlin, New Jersey 08009 Phone: (856) 767-6111 Fax: (856) 767-6101 www.modutecengineers.com CERTIFICATE OF AUTHORIZATION #2862807800				
				DATE



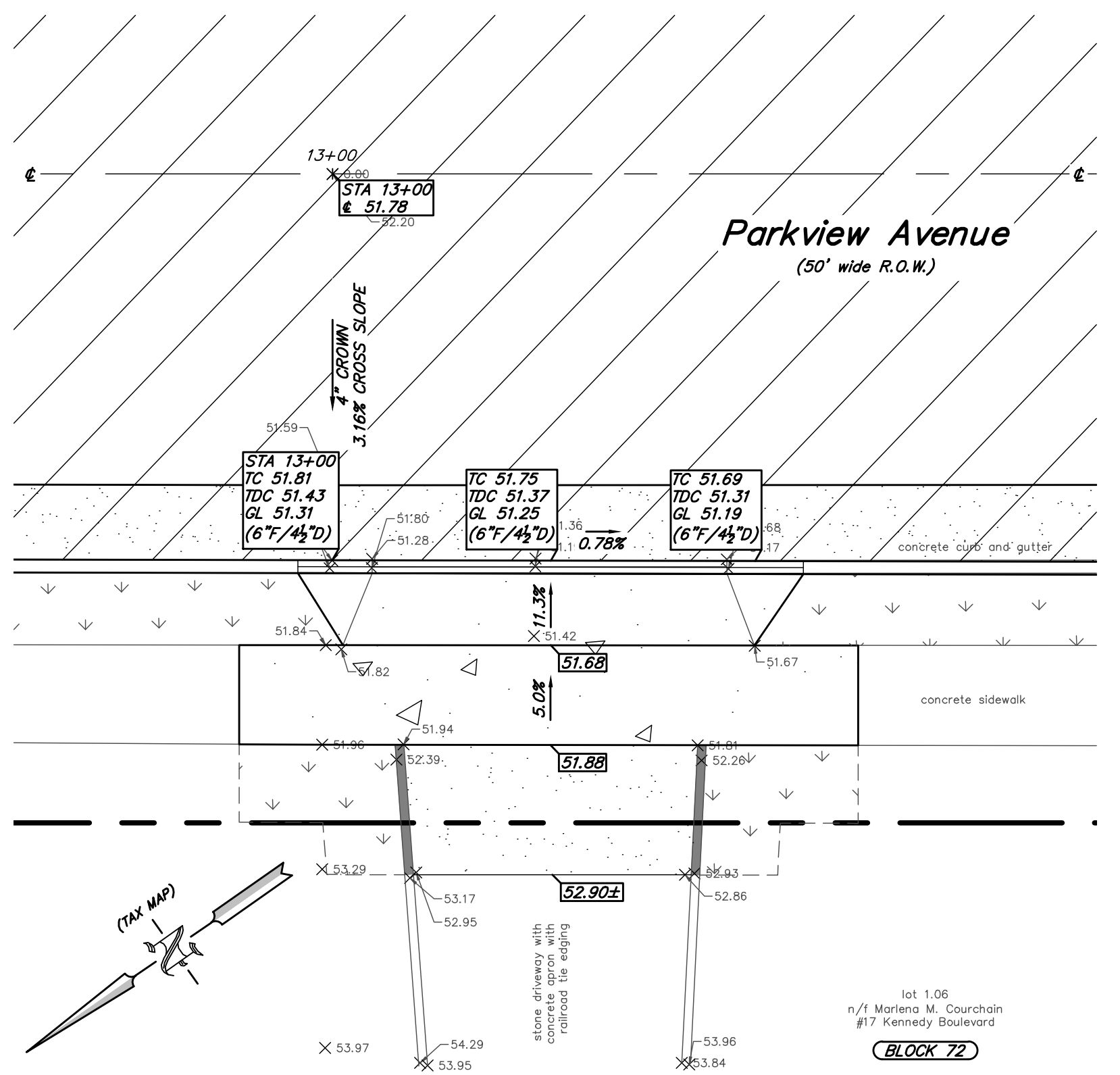
Plan View: Base Bid 'B': Enlarged Driveway Detail for #201 Parkview Avenue
scale 1 inch = 5 feet



Plan View: Base Bid 'B' and Alternate No. 1: Enlarged Driveway Detail for #25 Kennedy Boulevard
scale 1 inch = 5 feet

Legend:

- BASE BID 'B':**
ROADWAY RESTORATION PAVEMENT CROSS-SECTION:
EXCAVATION, UNCLASSIFIED
HOT MIX ASPHALT, 9.5MG4, SURFACE COURSE, 2" THICK
HOT MIX ASPHALT, 25MG4, BASE COURSE, 5" THICK
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
PAVEMENT REINFORCING GEOGRID
- BASE BID 'B':**
MONOLITHIC CONCRETE CURB AND GUTTER
COMBINATION, CLASS 'B'
- BASE BID 'B':**
CONCRETE DRIVEWAY/SIDEWALK/APRON, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE 4" THICK
- BASE BID 'B':**
DENSE GRADED AGGREGATE DRIVEWAY, 6" THICK
- BASE BID 'B':**
TOPSOIL, 5" THICK AND SODDING
- BASE BID 'B': ALTERNATE No. 1:**
CONCRETE DRIVEWAY/SIDEWALK/APRON, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK OR CONCRETE SIDEWALK/CURB RAMP, 4" THICK CLASS 'B', WITH SOIL AGGREGATE SUBBASE 4" THICK
- BASE BID 'B': ALTERNATE No. 1:**
TOPSOIL, 5" THICK AND SODDING



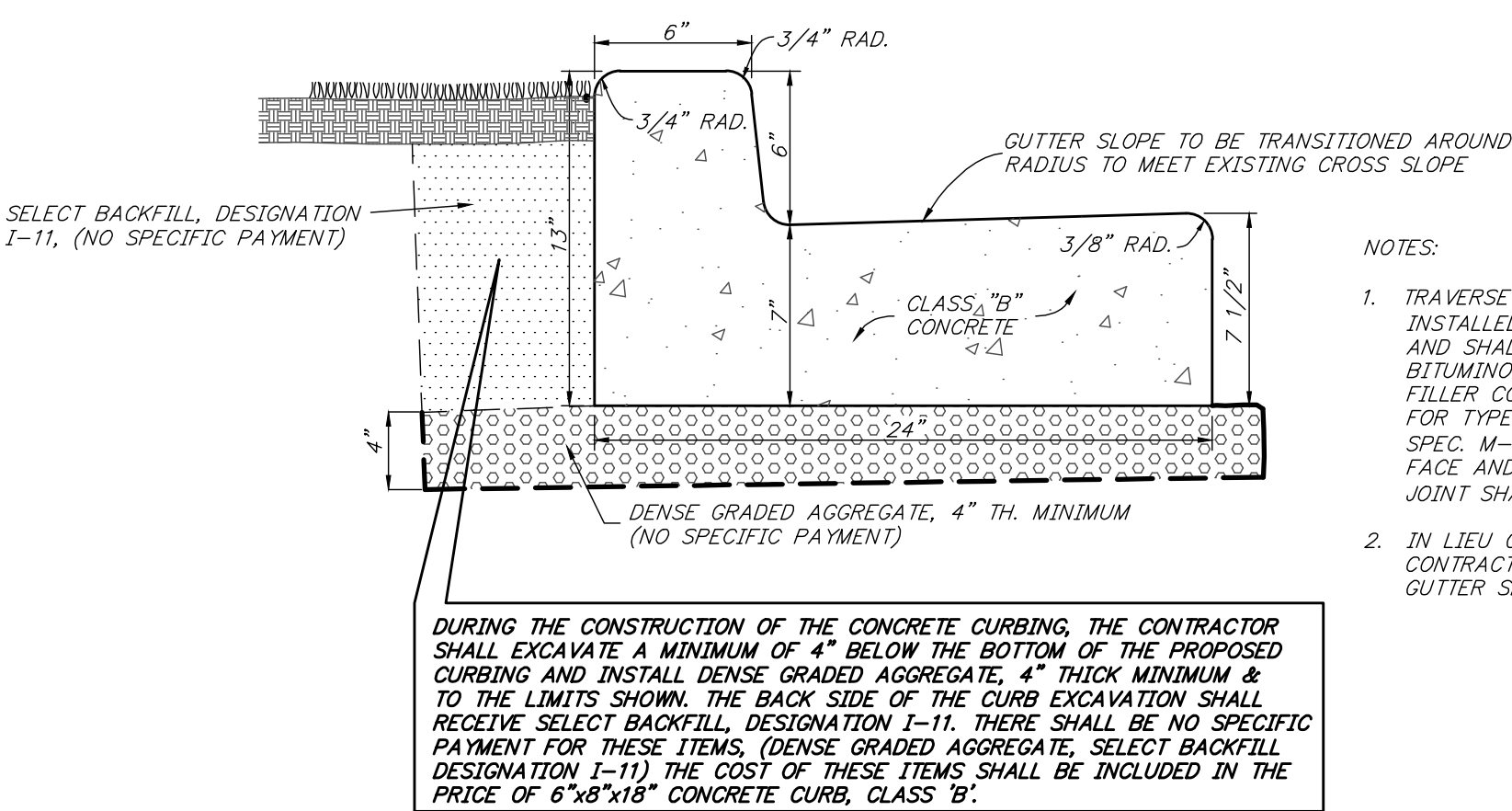
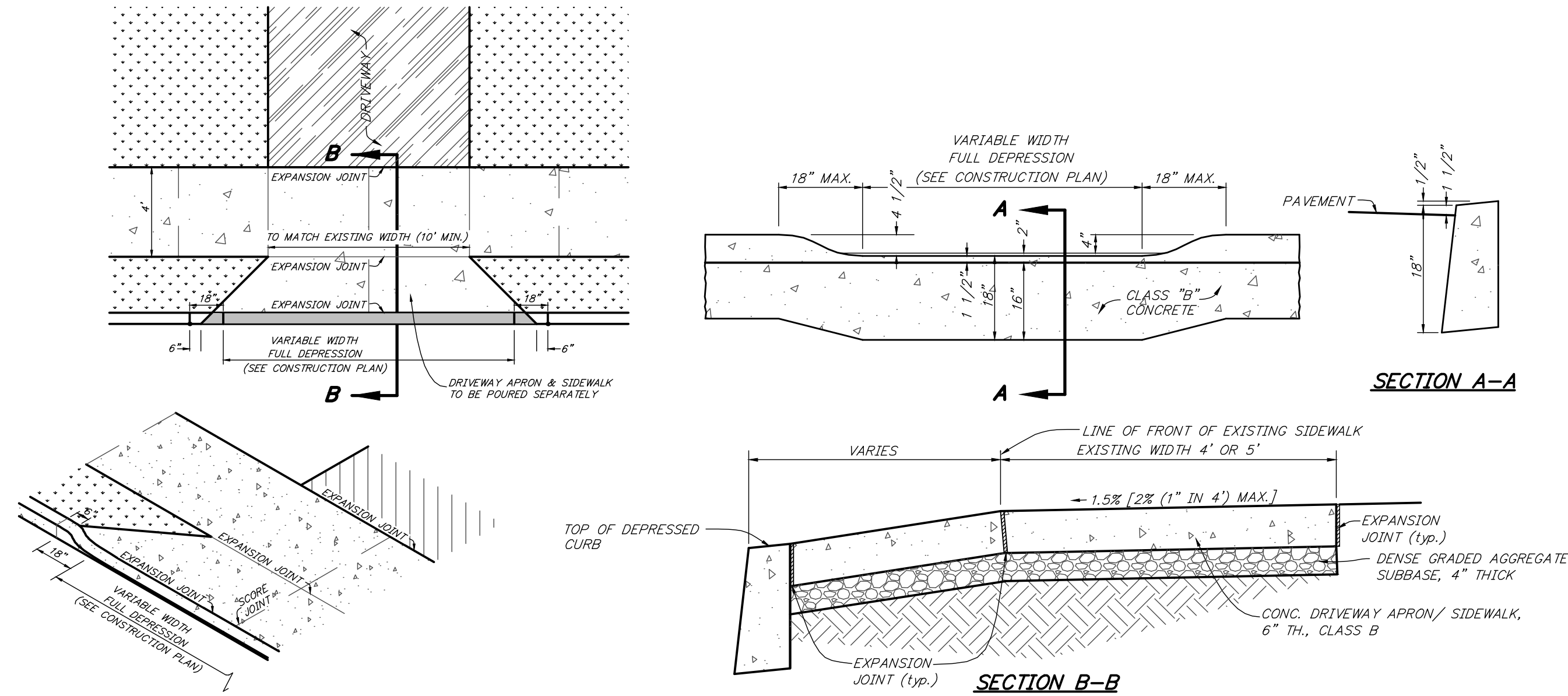
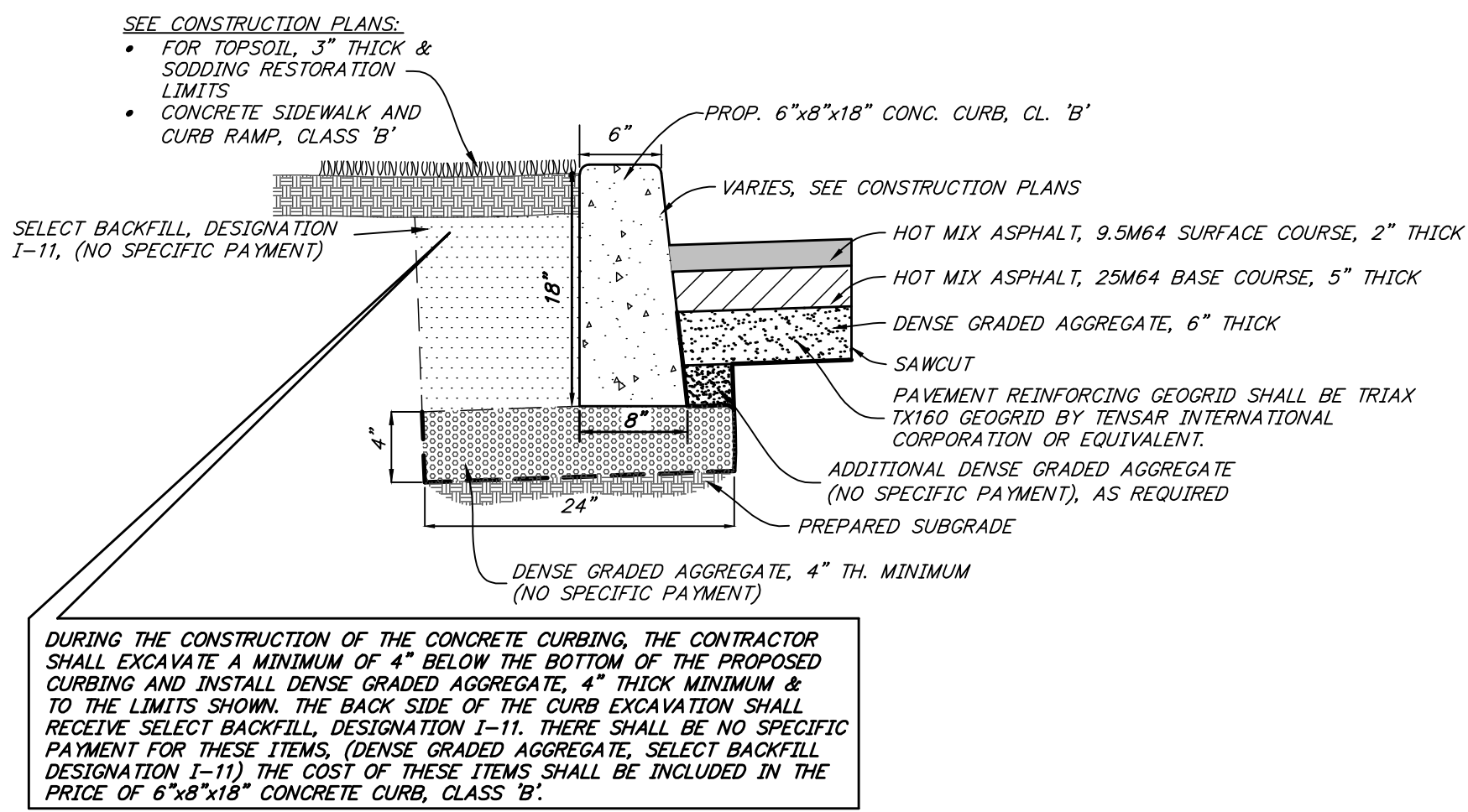
Plan View: Base Bid 'B': Enlarged Driveway Detail for #17 Kennedy Boulevard
scale 1 inch = 5 feet

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

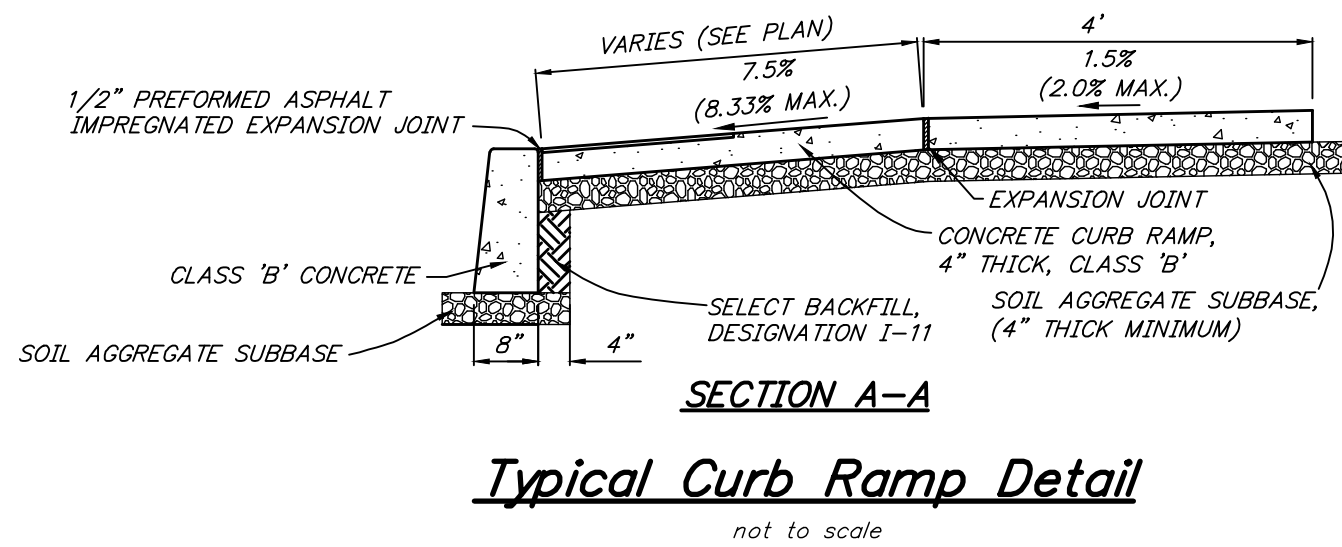
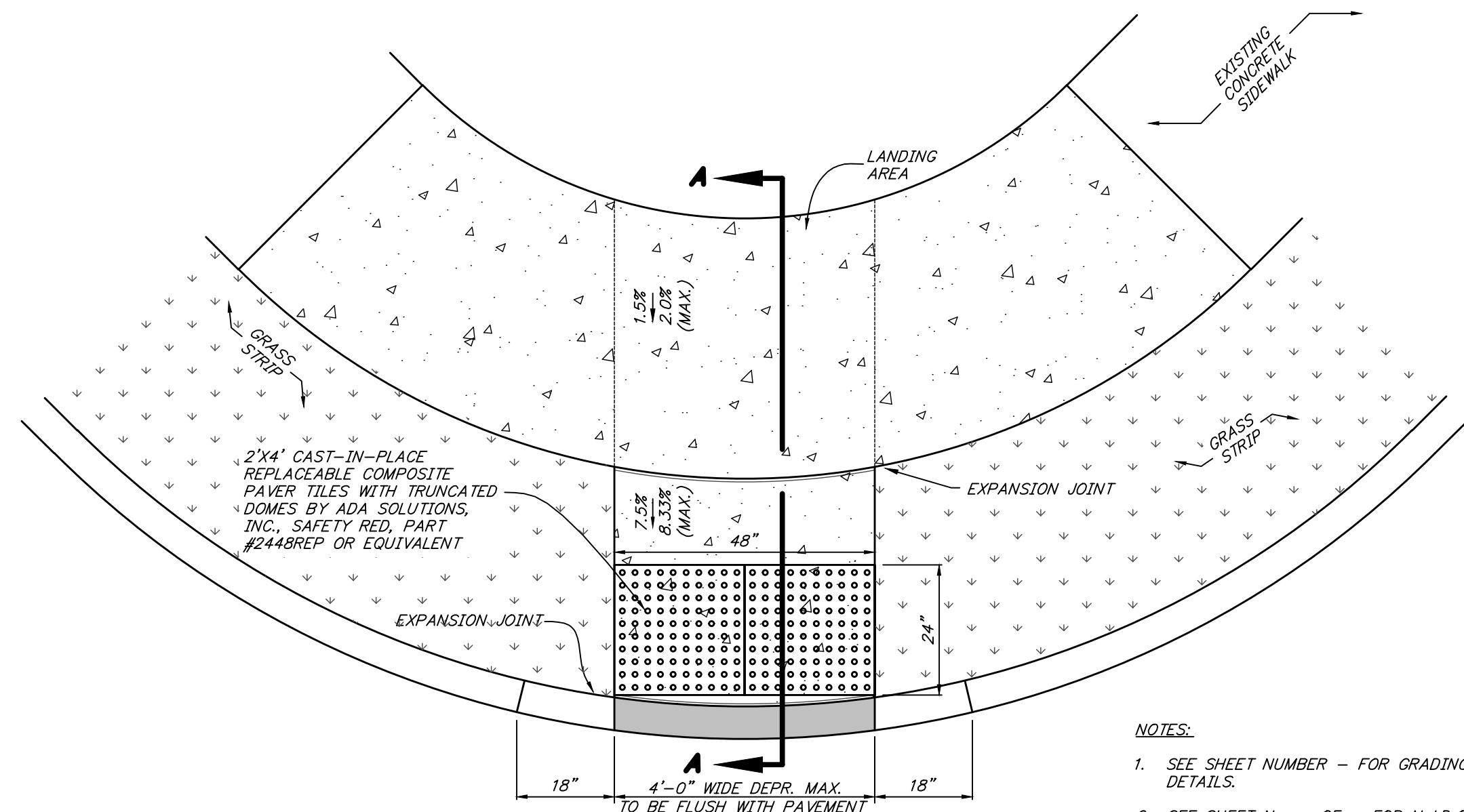
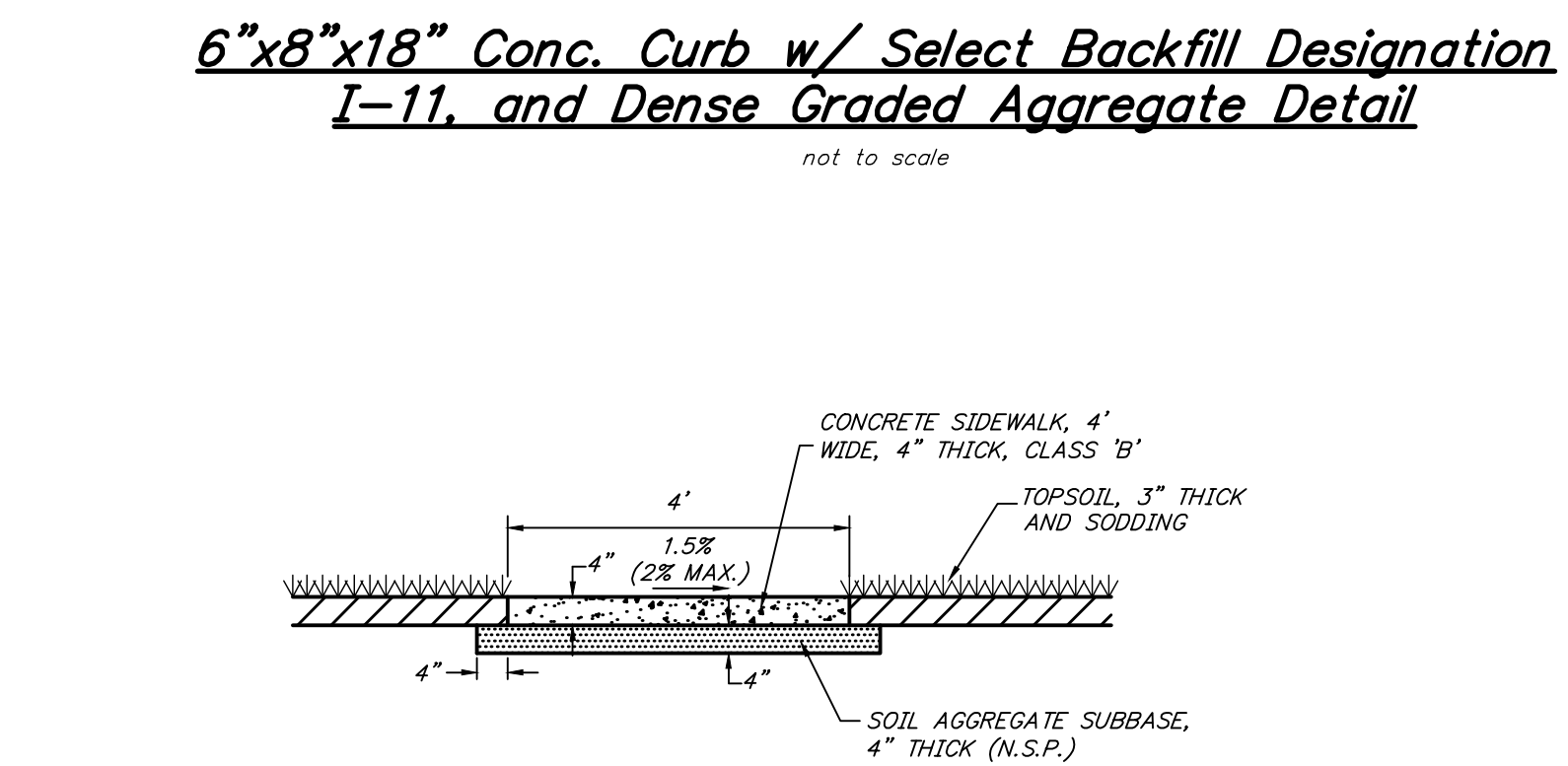
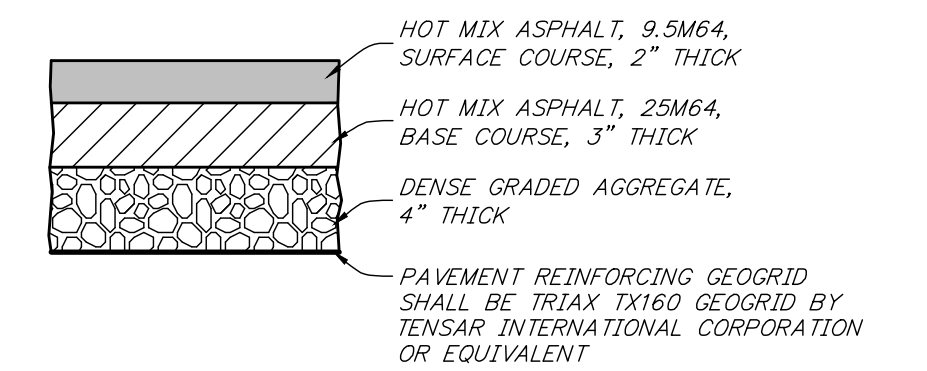
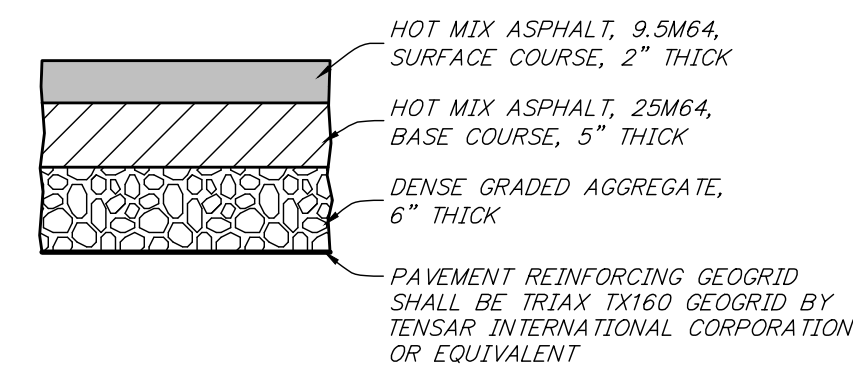
BENCHMARK:
S.S.M.H. LOCATED IN THE INTERSECTION OF CHESTNUT AVENUE AND PARKVIEW AVENUE
RIM 54.03

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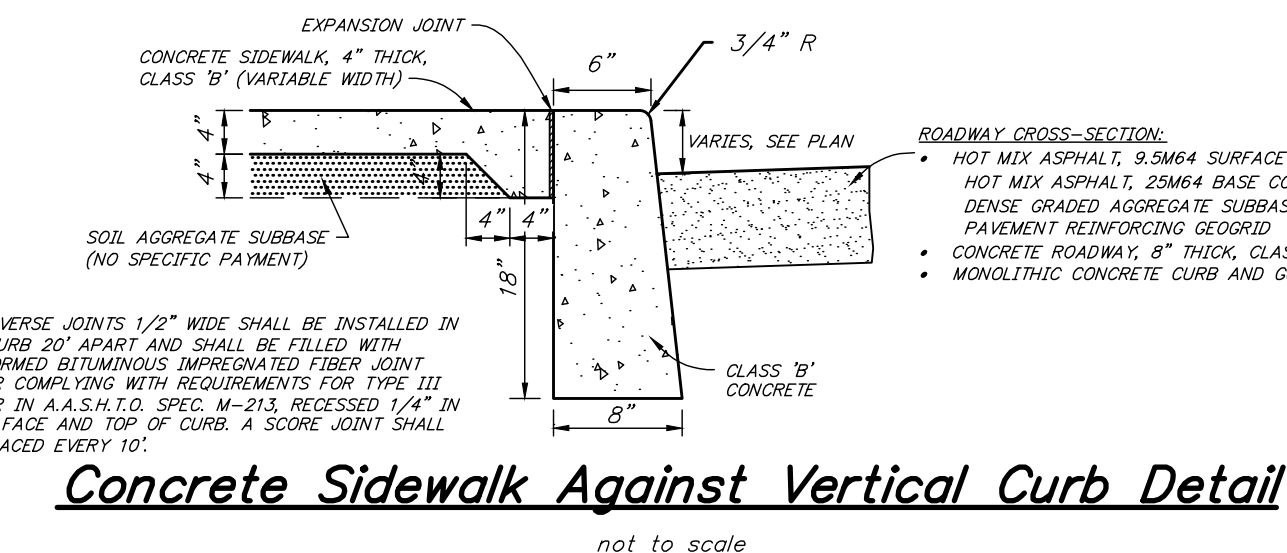
REV.	DATE:	DESCRIPTION	DRWN.	CHKD.
Enlarged Driveway Details				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023	DRAWN BY: S. Heebner	CHKD. BY:	SCALE: AS NOTED	
PROJECT No. 07-546SM0520	FIELD BOOK/PAGE:	SHEET No. 9 OF 11		
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER NJPE No. 32853 PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
MODUTEC Engineers & Constructors, Inc. 80 S. White Horse Pike Berlin, New Jersey 08009 Phone: (856) 767-6111 Fax: (856) 767-1801 www.modutecengineers.com CERTIFICATE OF AUTHORIZATION #246A280780				
				DATE



Concrete Driveway Apron/Sidewalk, 6" Thick, Class 'B' W/Dense Graded Aggregate Subbase, 4" Thick & Curb Depression Detail
not to scale



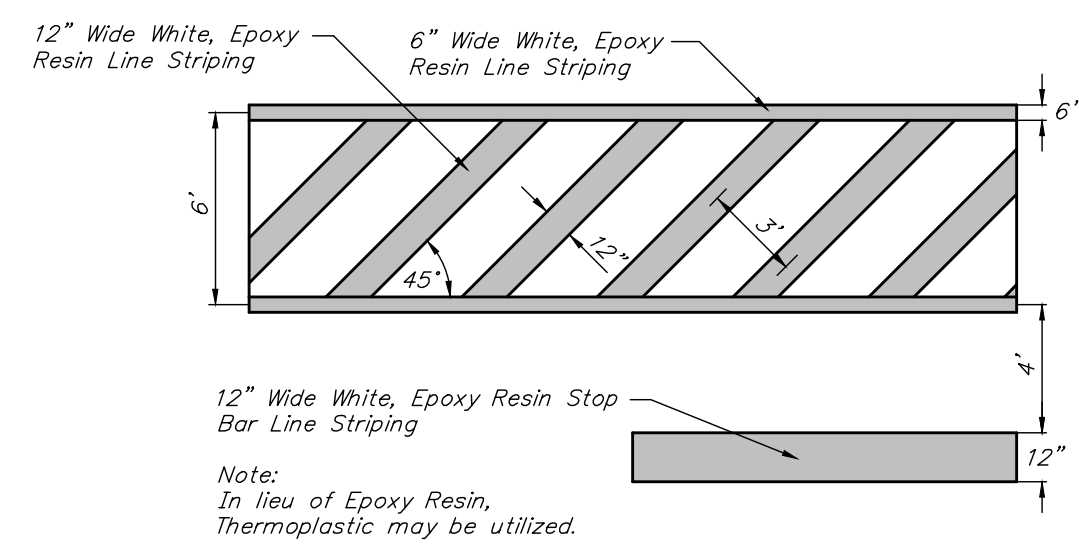
Concrete Sidewalk, 4" Thick, Class 'B' With Soil Aggregate Subbase, 4" Thick Detail
not to scale



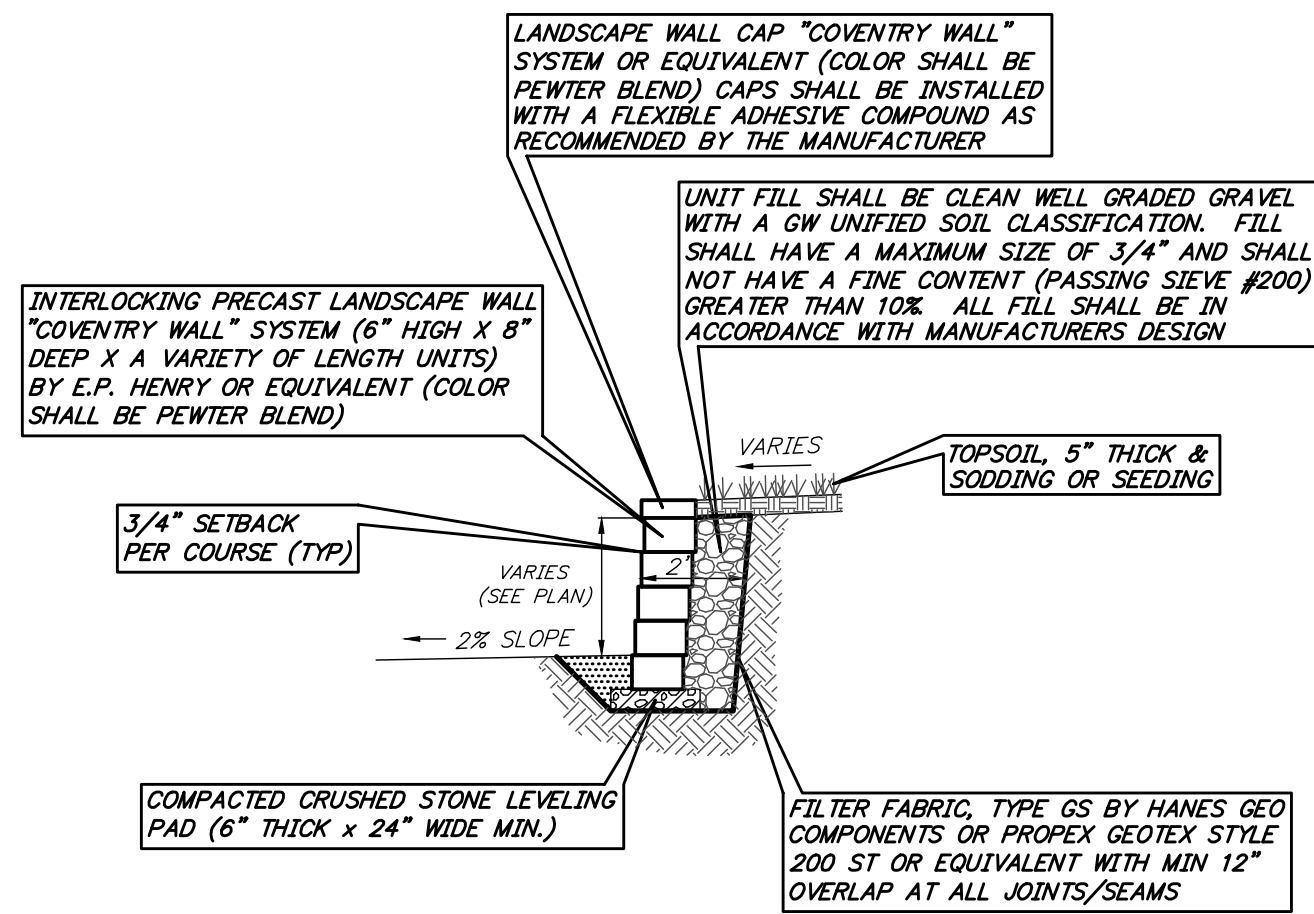
CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN. PARTIALLY FUNDED THROUGH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION MUNICIPAL AID PROGRAM, FY2022.

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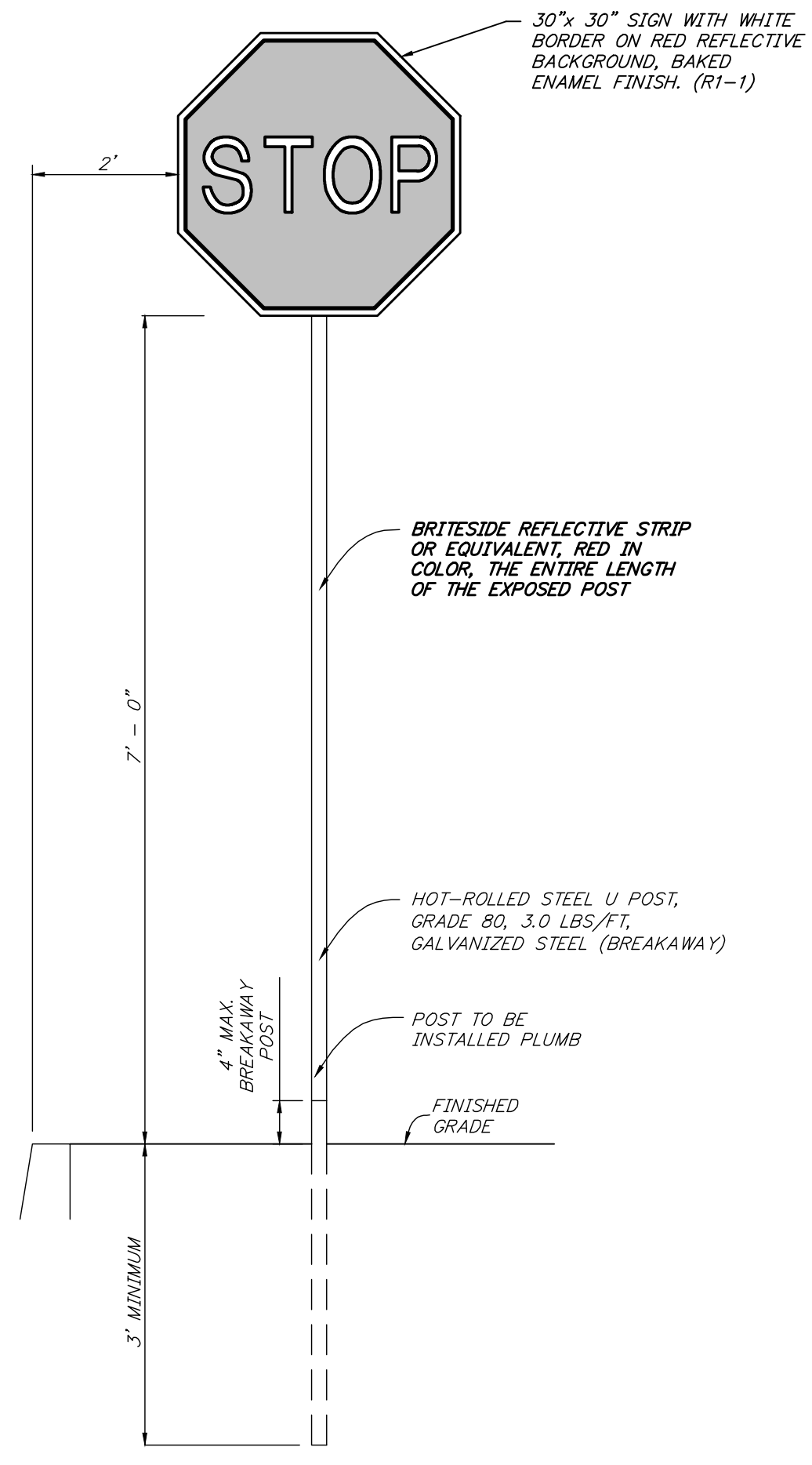
REV.	DATE	DESCRIPTION	DRWN.	CHKD.
Details				
Reconstruction of Chestnut Avenue from Parkview Avenue to Cedar Avenue and Reconstruction of Parkview Avenue from Chestnut Avenue to Kennedy Boulevard				
Borough of Somerdale Camden County, New Jersey				
DATE: 2/6/2023		DRAWN BY: S. Hebbner		CHKD. BY:
PROJECT No. 07-546SM0520		FIELD BOOK/PAGE:		SHEET No. 10 OF 11
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
MODUTEC Engineers & Constructors, Inc.				
80 S. White Horse Pike Berlin, New Jersey 08009				
Phone: (856) 767-6111 Fax: (856) 767-6111 www.modutecengineers.com				
CERTIFICATE OF AUTHORIZATION #2862807800				
				DATE



Crosswalk/Stop Bar Detail
Scale 1" = 6"



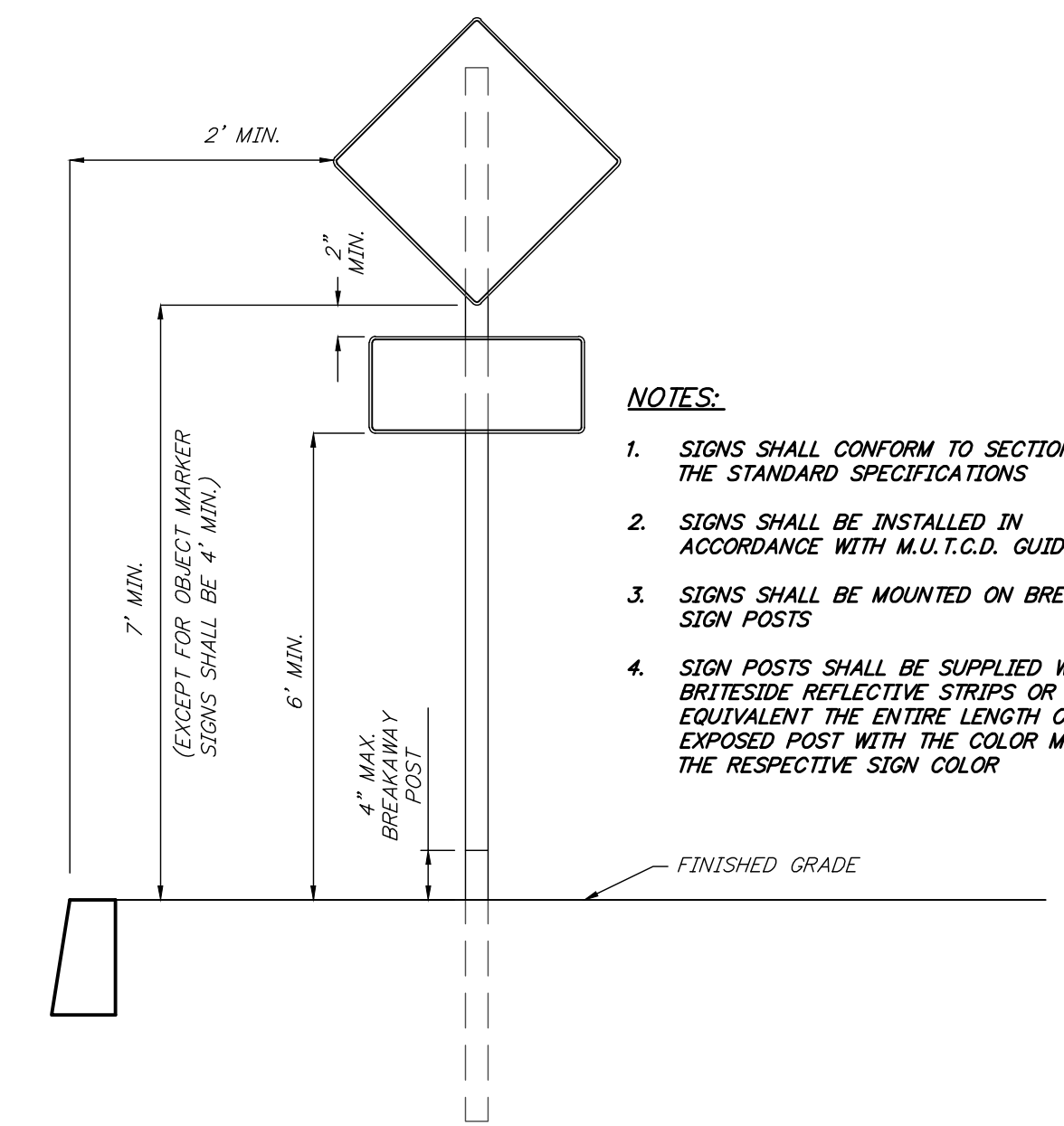
Interlocking Precast Landscape Wall System Detail
not to scale



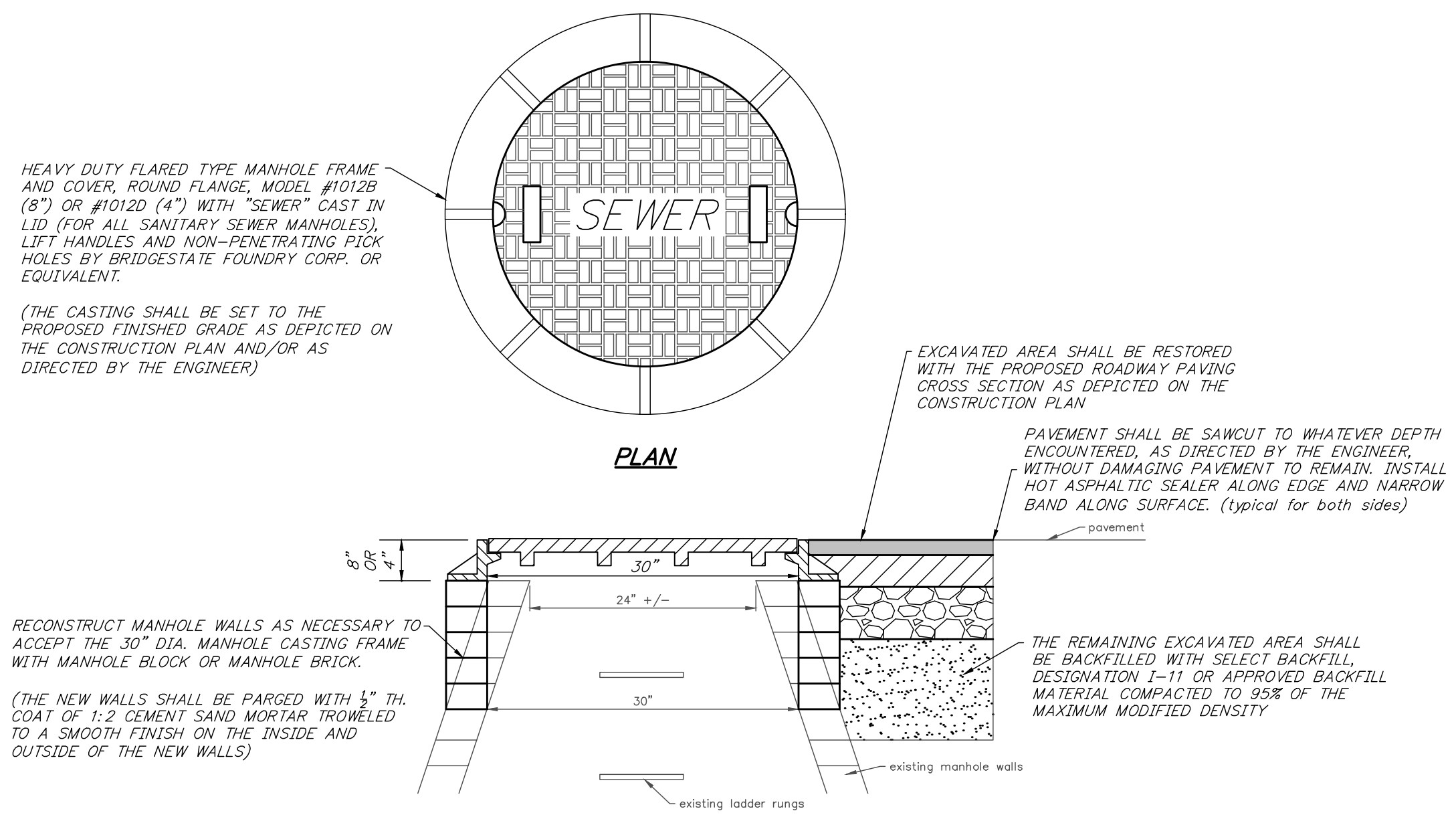
"Stop" Sign Detail
N.T.S.

Sign Post Legend:

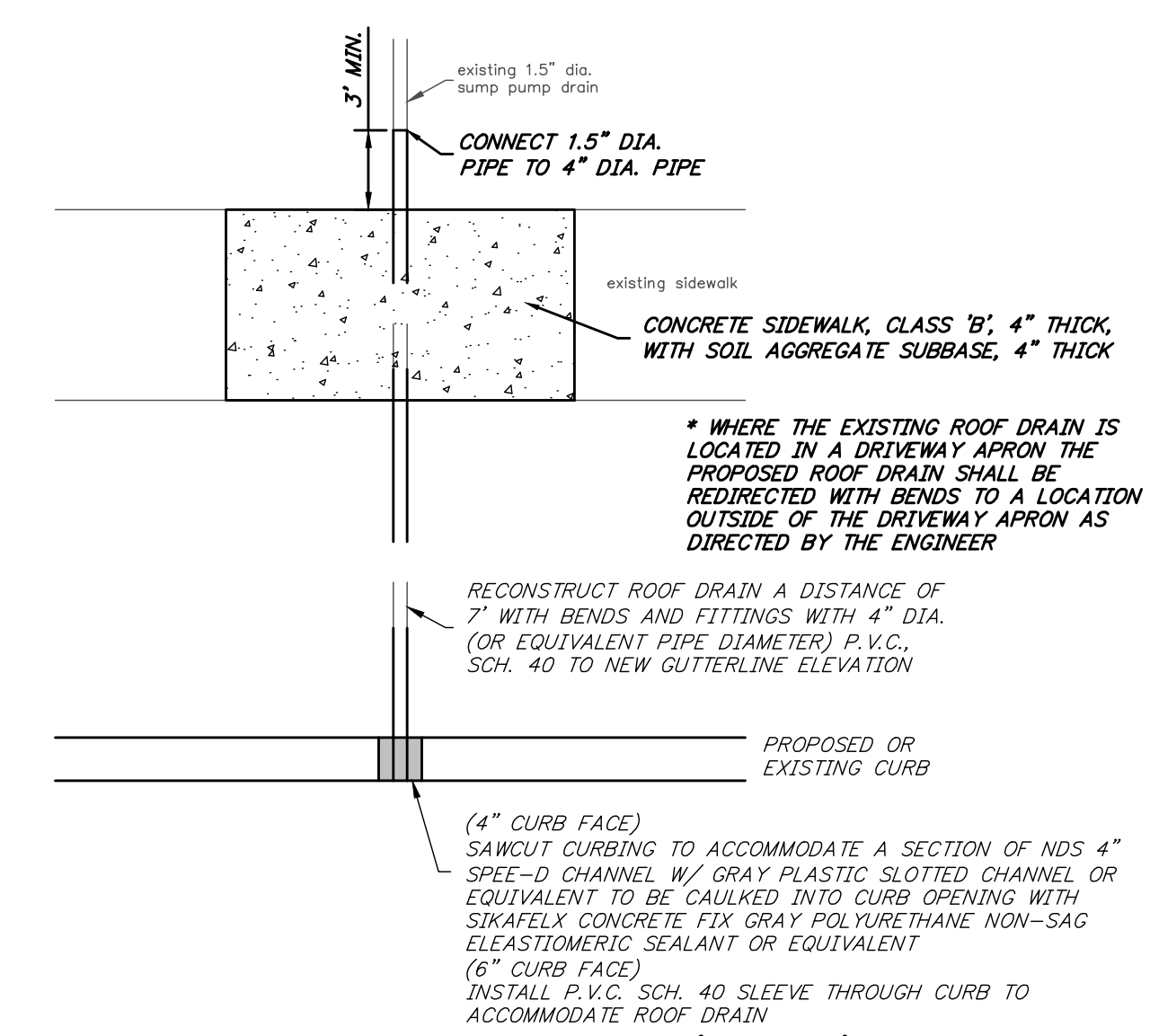
SIGN PANEL SIZE	NO. POSTS	WEIGHT LBS. / FT.
30" x 30" or smaller	1	3.0
36" x 36"	2	3.0
48" x 30"	2	3.0
60" x 30"	2	4.0



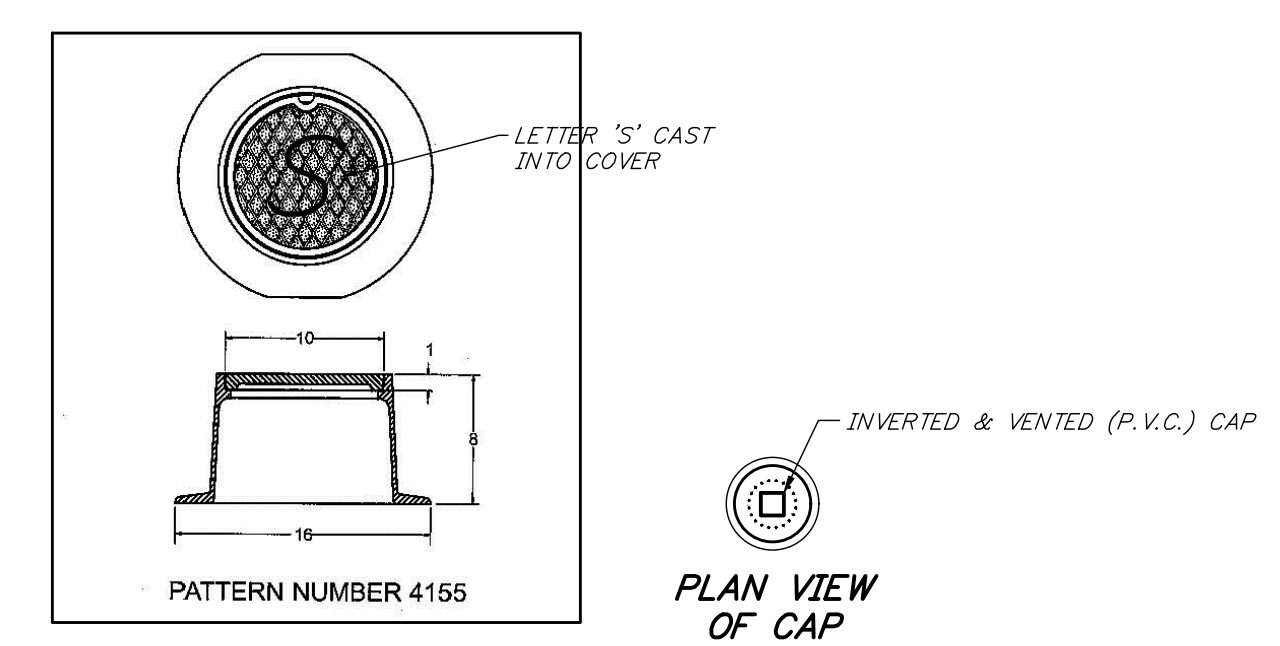
Sign Location Detail
N.T.S.



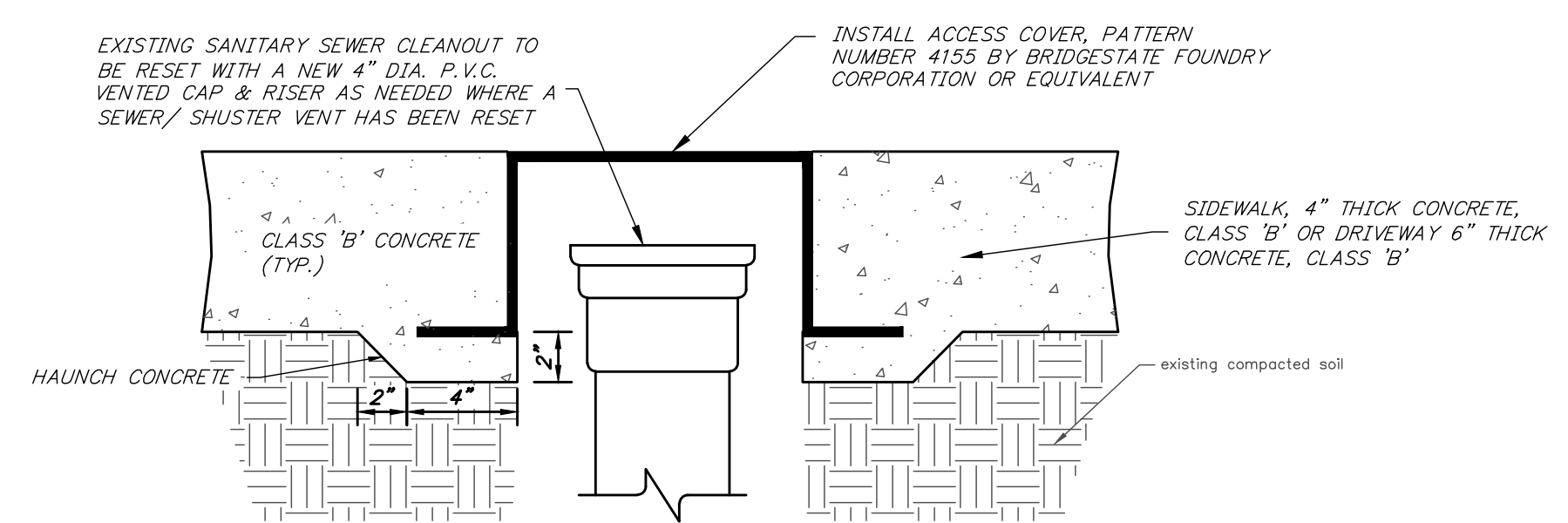
Replace Manhole Casting Detail
not to scale



Reconstruct Roof Drain Detail (N.S.P.)
NOT TO SCALE



Cleanout Protection Box
N.T.S.



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PROJECT No. 07-546SM0520	FIELD BOOK/PAGE:		SHEET No. 11 OF 11	
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853		PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076		
MODUTEC Engineers & Constructors, Inc.				
80 S. White Horse Pike Berlin, New Jersey 08009				
Phone: (856) 767-6111 Fax: (856) 767-6111 www.modutecengineers.com				
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