

RIDGEADE AVENUE & COLONIAL ROAD IMPROVEMENT PROJECT

ENTIRE LENGTH

CITY OF SUMMIT

UNION COUNTY, NEW JERSEY

GENERAL CONSTRUCTION NOTES:

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

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

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

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

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

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

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

8. NO HOUSE LEADER DRAINS ARE TO BE INSTALLED UNDER DRIVEWAY APRONS OR THROUGH DROP CURBS.

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

10. THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT/RESTORATION OF ANY EXISTING SIDEWALK, CURB OR PAVEMENT WHICH IS DAMAGED DURING CONSTRUCTION. ALL REPLACEMENT/RESTORATION MUST BE COMPLETED BEFORE ACCEPTANCE OF THE PROJECT BY THE CITY AT NO ADDITIONAL COST.

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

12. NO SEPARATE PAYMENT SHALL BE MADE FOR ANY SAW CUTTING REQUIRED ON THE PROJECT. COSTS FOR SAW CUTTING SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE BID PROPOSAL.

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

14. ALL COSTS ASSOCIATED WITH THE RESETTING OR REPLACEMENT OF ANY WALKWAYS OR DRIVEWAYS CONSTRUCTED OF GRANITE BLOCK, BRICK, BRICK PAVERS, STONE, SLATE, ETC. SHALL BE INCLUDED IN THE BID ITEM FOR CURB. NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION, RECONSTRUCTION OR RESETTING OF CURB ALONG THE SIDES OF A DRIVEWAY LEADING TO THE SIDEWALK WHERE CURBING CURRENTLY EXISTS.

15. NO SEPARATE PAYMENT SHALL BE MADE FOR THE EXCAVATION OF UNCLASSIFIED MATERIAL ASSOCIATED WITH FULL DEPTH REPAIR. ALL COSTS ASSOCIATED WITH THE EXCAVATION, UNCLASSIFIED, AND DISPOSAL OF THE EXISTING SUBBASE AND PLACEMENT OF DENSE GRADED AGGREGATE SHALL BE INCLUDED IN THE BID ITEM "FULL DEPTH REPAIR".

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

17. NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES. ALL COSTS ARE TO BE INCLUDED IN THE BID ITEM "MOBILIZATION". INLET FILTERS SHALL BE INSTALLED AT ALL EXISTING OR NEW CATCH BASINS AND SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED AND THE SURFACE COURSE IS INSTALLED. ALL COSTS ASSOCIATED WITH INLET PROTECTION SHALL BE INCLUDED IN THE BID ITEM "INLET FILTERS, TYPE 1".

18. THE CONTRACTOR IS RESPONSIBLE FOR THE STAKEOUT AND LAYOUT OF THE PROJECT. THE STAKEOUT AND LAYOUT IS TO BE PERFORMED BY A NEW JERSEY PROFESSIONAL LAND SURVEYOR. ALL COSTS ASSOCIATED WITH THE STAKEOUT AND LAYOUT OF THE PROJECT ARE TO BE INCLUDED IN THE BID ITEM "CONSTRUCTION LAYOUT". ALL GRADES ARE TO BE SET IN THE FIELD BY THE LAND SURVEYOR. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER A PROFILE WITH THE SET GRADES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE PROFILE IS SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

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

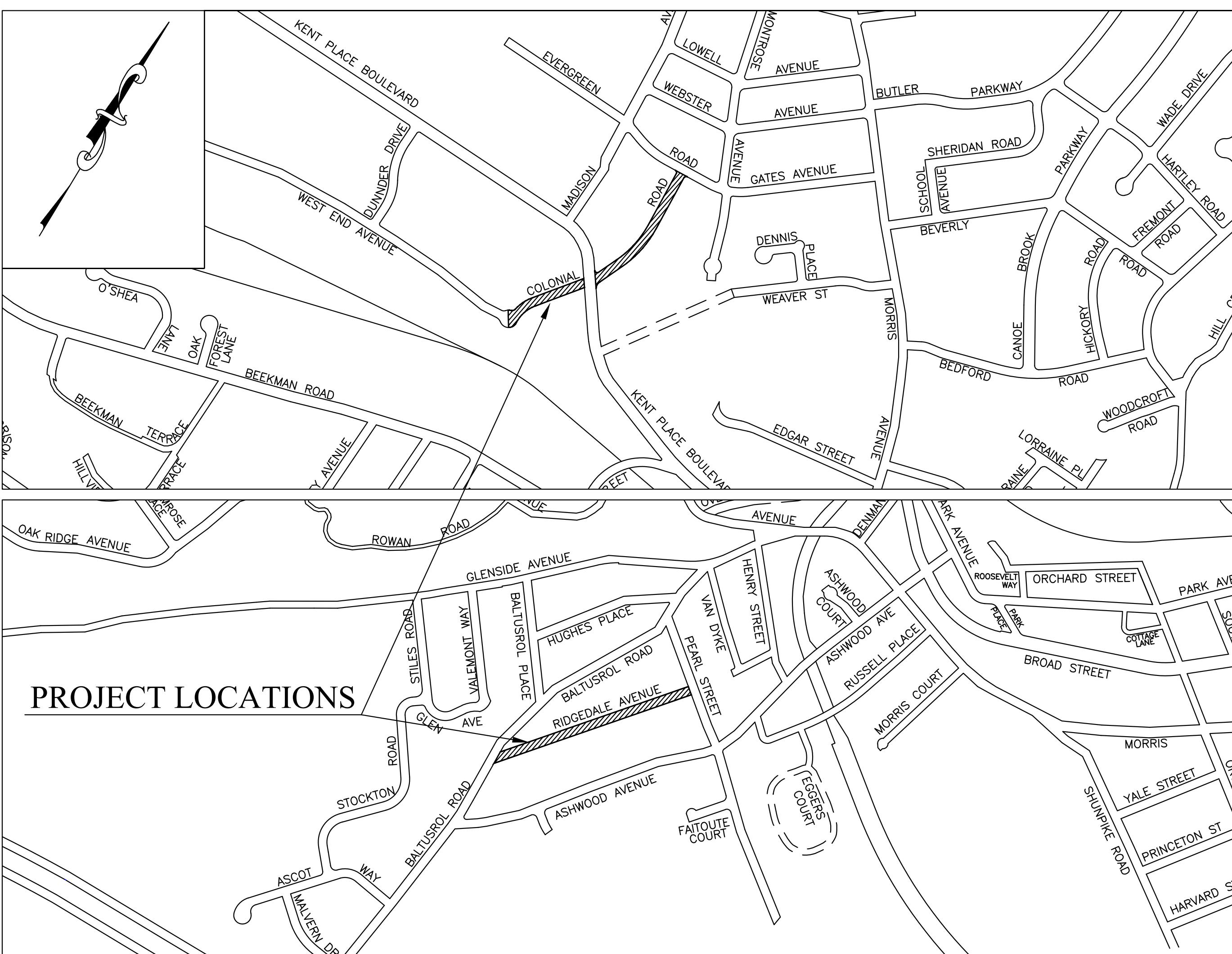
21. ALL REGULATORY, WARNING, AND GUIDE SIGNS, AS WELL AS STREET NAME SIGNAGE, WITHIN PROJECT LIMITS ARE TO BE REPLACED WITH NEW PLAQUES AND POSTS, UNLESS NOTED OTHERWISE.

22. ANY TYPE 'B' OR TYPE 'D' INLETS IDENTIFIED HEREIN FOR RECONSTRUCTION SHALL INCLUDE NEW NEW TYPE 'ECO-HEAD CURB PIECE AND BICYCLE SAFE GRATE. ALL COSTS ARE TO BE INCLUDED IN THE BID ITEM FOR RECONSTRUCTED INLET.

23. ANY PROPOSED PAVEMENT THICKNESS NOTED HEREIN SHALL BE POST-COMPACTED, UNLESS OTHERWISE NOTED.

24. ALL PAVEMENT STRIPING & MARKINGS SHALL BE THERMOPLASTIC PER NJDOT STANDARDS.

25. NO SEPARATE PAYMENT SHALL BE MADE FOR THE EXTENSION OF EXISTING PIPE DAYLIGHTS THROUGH THE NEW CURB. ALL COSTS ASSOCIATED WITH THE EXTENSION OF EXISTING DRAINAGE PIPES THROUGH THE CURB SHALL BE INCLUDED IN THE VARIOUS BID ITEMS.



LOCATION MAP

SCALE: 1"=500'

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	COVER SHEET
2	CONSTRUCTION PLAN FOR RIDGEADE AVENUE
3	GRADING & DRAINAGE PLAN FOR RIDGEADE AVENUE
4	CONSTRUCTION PLAN FOR COLONIAL ROAD
5	SOIL EROSION & SEDIMENT CONTROL PLAN FOR RIDGEADE AVENUE
6	SOIL EROSION & SEDIMENT CONTROL PLAN FOR COLONIAL ROAD
7	SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS
8	CONSTRUCTION DETAILS
1 OF 5	EXISTING CONDITIONS SURVEY - RIDGEADE AVENUE (PROVIDED BY STONEFIELD)
2 OF 5	EXISTING CONDITIONS SURVEY - RIDGEADE AVENUE (PROVIDED BY STONEFIELD)
3 OF 5	EXISTING CONDITIONS SURVEY - RIDGEADE AVENUE (PROVIDED BY STONEFIELD)
4 OF 5	EXISTING CONDITIONS SURVEY - RIDGEADE AVENUE (PROVIDED BY STONEFIELD)
5 OF 5	EXISTING CONDITIONS SURVEY - RIDGEADE AVENUE (PROVIDED BY STONEFIELD)
1 OF 1	EXISTING CONDITIONS SURVEY - COLONIAL ROAD (PROVIDED BY STONEFIELD)

Funding Note:

This project is funded by the City of Summit and a NJDOT Municipal Aid Grant

Survey Note:

The contractor is responsible for stakeout and vertical control of the project. Stakeout is required for the project. AutoCAD drawings are available for this project upon request. Cut sheets shall be submitted prior to the start of any work.

UTILITIES

Public Service Electric & Gas Co.	Verizon
48 Middle Avenue	445 Georges Road
Summit, NJ 07901	North Brunswick, NJ 08902
Jersey Central Power and Light	City of Summit
300 Madison Avenue	Division of Public Works
Morristown, NJ 07960	41 Chatham Road
Comecast Cablevision of New Jersey	Summit, NJ 07901
300 Rahway Avenue 07901	New Jersey American Water Co.
Union, NJ 07083	167 JFK Parkway
	Short Hills, NJ 07078



SUMMARY OF QUANTITIES

BASE BID ITEM	DESCRIPTION	UNIT	QTY
GENERAL WORK			
1 MOBILIZATION		LS	1
2 CLEARING SITE		LS	1
3 FINAL CLEANUP		LS	1
4 BREAKAWAY BARRICADE		UNIT	5
5 DRUM		UNIT	20
6 TRAFFIC CONE		UNIT	40
7 CONSTRUCTION SIGNS		SF	100
8 CONSTRUCTION IDENTIFICATION SIGNS, 18" X 36"		UNIT	4
9 CONSTRUCTION LAYOUT		LS	1
10 UTILITY COORDINATION		LS	1
11 INLET FILTERS, TYPE 1		SF	60
12 FUEL PRICE ADJUSTMENT		ALLOW	ALLOW
13 ASPHALT PRICE ADJUSTMENT		ALLOW	ALLOW
ROADWAY, CURBING & ADA			
14 HMA MILLING, 2" OR LESS		SY	8,800
15 FULL DEPTH REPAIR		SY	1,500
16 HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK		TON	1,300
17 EXCAVATION, TEST PIT		CY	15
18 EXCAVATION, UNCLASSIFIED		CY	50
19 GRANITE BLOCK CURB		LF	4,800
20 HOT MIX ASPHALT DRIVEWAY 5" THICK		SY	300
21 CONCRETE DRIVEWAY, 6" THICK, IF AND WHERE DIRECTED		SY	10
22 GRAVEL DRIVEWAY, 8" THICK, IF AND WHERE DIRECTED		SY	25
23 TRAFFIC MARKING LINES, 4" THICK		LF	2,500
UTILITIES			
24 RESET MANHOLE, SANITARY SEWER, USING NEW CASTING		UNIT	9
25 SET MANHOLE CASTING		UNIT	1
26 VIDEO INSPECTION OF SEWER		LF	2,700
27 VIDEO INSPECTION OF PIPE		LF	400
28 RECONSTRUCTED INLET, TYPE B, USING NEW CASTING		UNIT	7
29 SEWER REPAIR, IF AND WHERE DIRECTED, 10' LENGTH, 10' DEPTH		UNIT	1
30 RECONSTRUCT MANHOLE, IF AND WHERE DIRECTED		UNIT	1
31 RESET GAS VALVE BOX		UNIT	20
32 RESET WATER VALVE BOX		UNIT	20
LANDSCAPING			
33 TOP SOIL SPREADING, 4" THICK		SY	1100
34 FERTILIZING AND SEEDING, TYPE A-3,		SY	1100
35 BORROW TOPSOIL		CY	120
36 I-14 SOIL AGGREGATE		CY	20
37 TREE REMOVAL, OVER 6" to 36", IF AND WHERE DIRECTED		UNIT	13
38 TREE REMOVAL, OVER 36", IF AND WHERE DIRECTED		UNIT	1
STREET SIGNS & PARKING METERS			
39 GUIDE SIGN, TYPE GA, BREAKAWAY SUPPORTS		SF	50
40 REGULATORY AND WARNING SIGN		SF	100
41 STREET NAME SIGN & POST		UNIT	4

REVISIONS	DESCRIPTION	DATE
	ENTIRE LENGTH COVER SHEET	5/12/2021

CITY OF SUMMIT, UNION CO., N.J.
DIVISION OF ENGINEERING
DEPARTMENT OF COMMUNITY SERVICES
512 SPRINGFIELD AVENUE
SUMMIT, NJ 07901
UNION COUNTY, NEW JERSEY

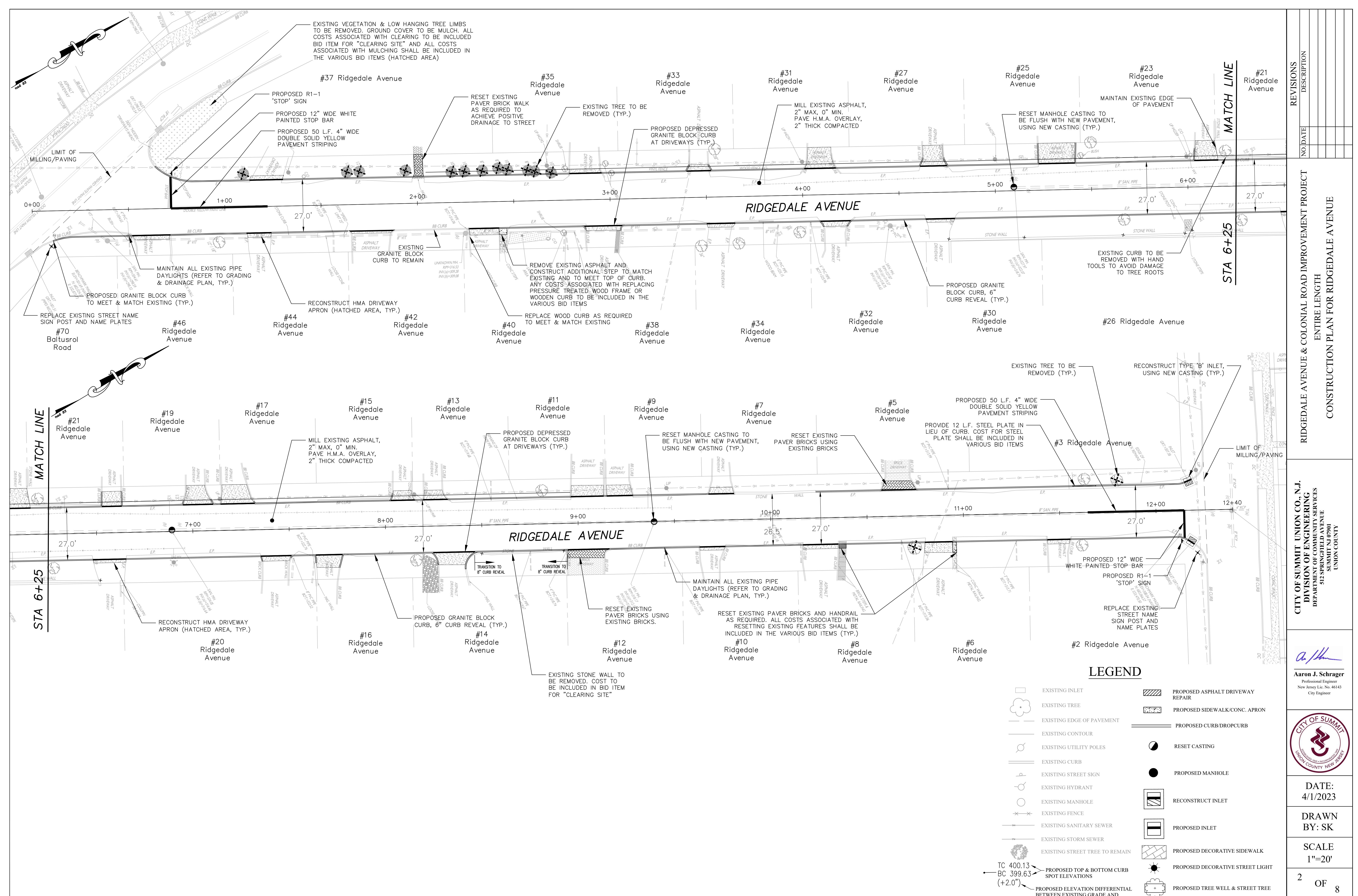
Aaron J. Schrager
Professional Engineer
New Jersey Lic. No. 46143
City Engineer

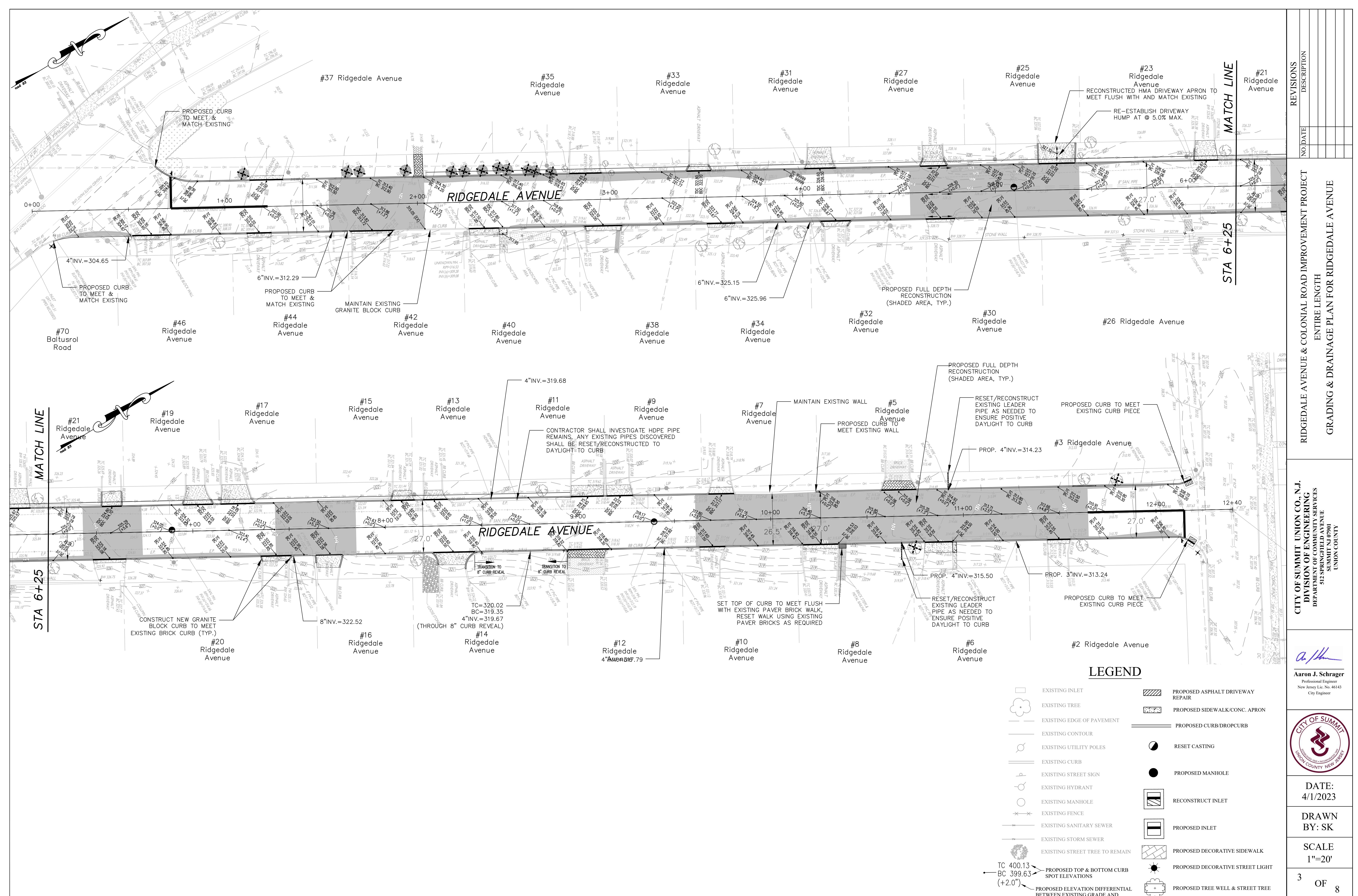
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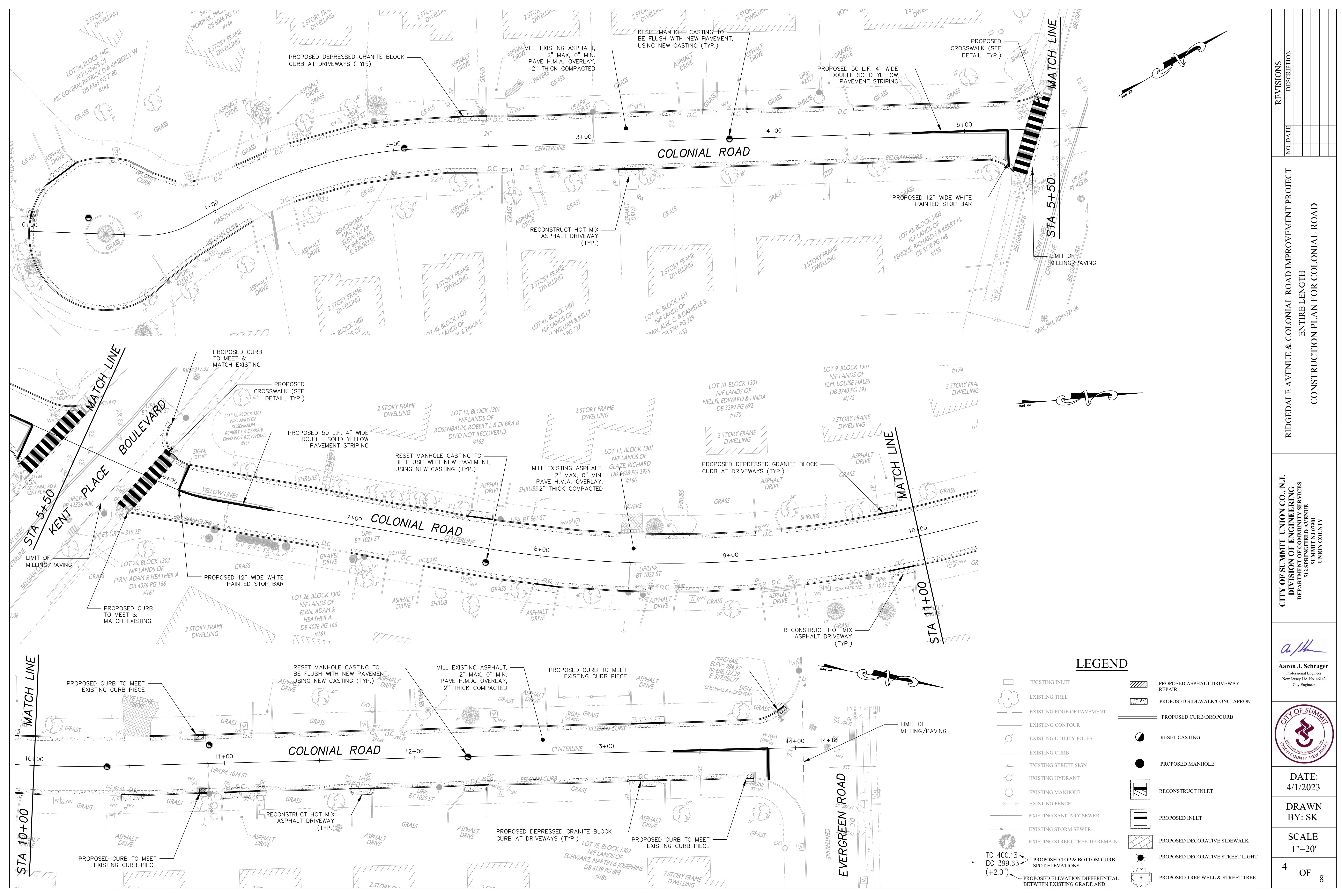
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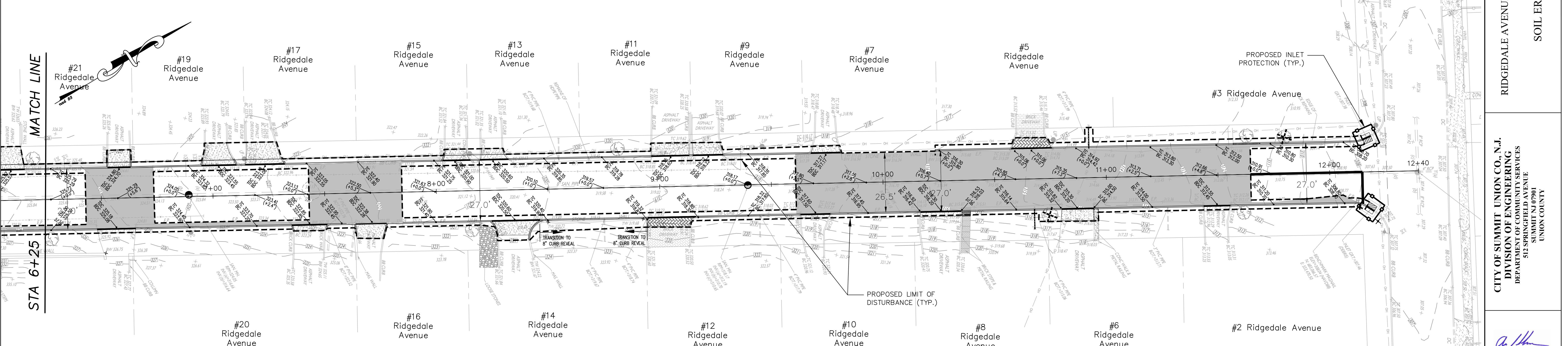
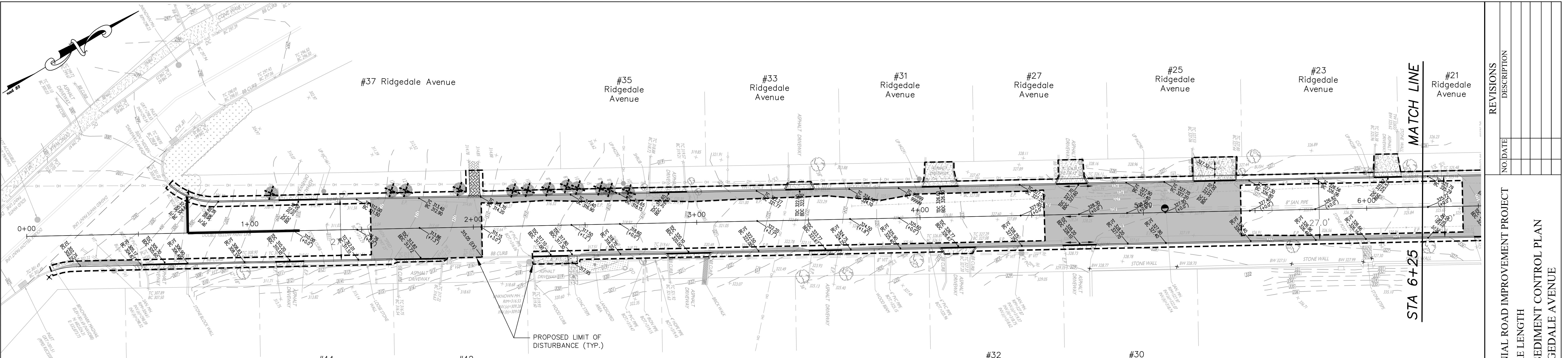
SCALE AS SHOWN

1 OF 8









**TOTAL PROJECT AREA OF DISTURBANCE
(INCLUDES RIDGEDALE AVENUE & COLONIAL ROAD)
AREA = 32,325 SF OR 0.74 ACRES**

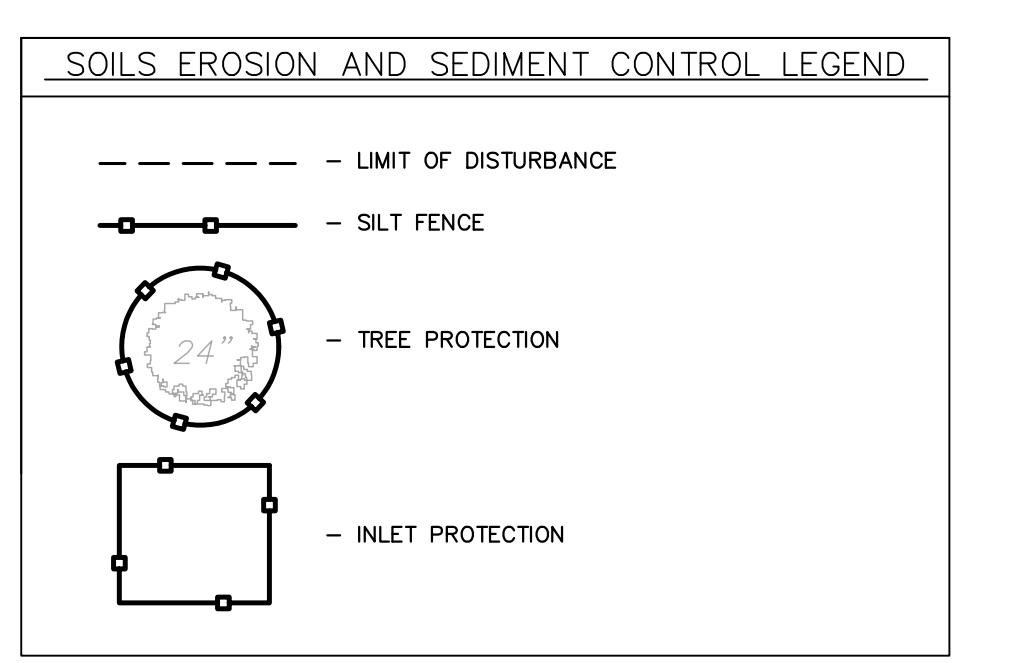
PROJECT EXEMPTIONS:

1. THIS PROJECT IS EXEMPT FROM SOIL COMPACTION TESTING REQUIREMENTS BECAUSE IT IS WITHIN URBAN REDEVELOPMENT ZONE PA-1 AND IS PREVIOUSLY DEVELOPED.



SOILS MAP
MAP Sourced FROM USDA WEB SOIL SURVEY
SCALE: 1"=150'
THE SITE IS MADE UP OF:
Boud (BOONTON-URBAN LAND COMPLEX, 15 TO 25 PERCENT SLOPES)
BwB (BOONTON-URBAN LAND COMPLEX, TERMINAL MORaine, 0 TO 8 PERCENT SLOPES)

1. THIS PLAN IS TO BE USED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY.
2. STREET SWEEPING TO BE IMPLEMENTED ON ADJACENT ROADWAYS IF REQUIRED TO MAINTAIN SOIL AND DUST FREE CONDITION.



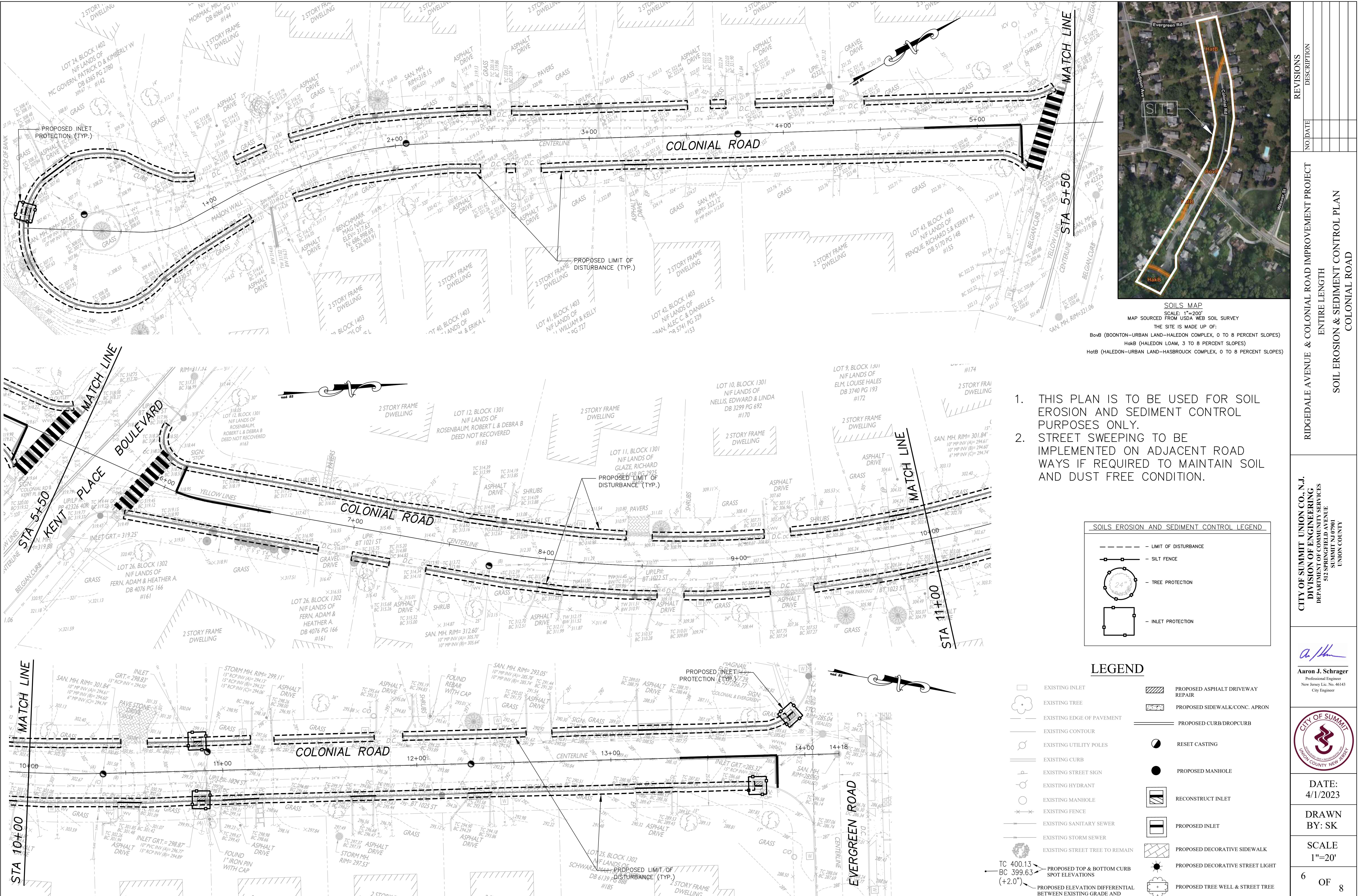
CITY OF SUMMIT UNION CO. N.J.
DEPARTMENT OF ENGINEERING
DEPARTMENT OF COMMUNITY SERVICES
512 SPRINGFIELD AVENUE
SUMMIT UNION COUNTY

Aaron J. Schrager
Professional Engineer
New Jersey Lic. No. 46143
City Engineer



DATE:
4/1/2023
DRAWN BY: SK
SCALE:
1"=20'
5 OF 8

**ENTIRE LENGTH
SOIL EROSION & SEDIMENT CONTROL PLAN
FOR RIDGEDALE AVENUE**



SOIL EROSION AND SEDIMENT CONTROL NOTES

1. The Somerset-Union Soil Conservation District shall be notified in writing 48 hours in advance of any land disturbing activity.

2. All Soil Erosion and Sediment Control practices shall be installed prior to any major soil disturbances, or in their proper sequence and maintained until permanent protection is established.

3. Any disturbed areas that will be left exposed more than 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 areas will be mulched with straw, or equivalent material, at a rate of two (2) tons per acre, according to NJ State Standards.

4. Permanent Vegetation shall be seeded or sodded on all exposed areas within ten (10) days after final grading. Mulch will be used for protection until seeding is established.

5. All work shall be done in accordance with the NJ State Standards for Soil Erosion and Sediment Control in New Jersey.

6. A sub-base 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 sub-base shall be installed within 15 days or preliminary grading.

7. 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 the NJ State Standards.

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

9. Traffic control Standards require the installation of a 50x30x6' pad of 1 1/2" or 2"

stone, at all construction driveways, immediately after initial site disturbance.

10. At the time the site preparation for permanent vegetative stabilization is going to be accomplished, the soil that will not provide a suitable vegetative cover, shall be treated to adjust the soil conditions and render it suitable for vegetative ground cover. If the removal or treatment of the soil will not provide suitable conditions, non-vegetative measures shall be used to stabilize the site.

11. The NJ S.A. 4.24-39 states, that no Certificate of Occupancy is issued before the provision of the following: Prior to the Erosion and Sediment Control have been compiled with permanent measures, all site work for site plans and all work around individual lots in subdivisions, will have to be completed prior to the District issuing a Report of Compliance for the issuance of a Certificate of Occupancy by the Municipality.

12. Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.

13. Any changes to the Certified Soil Erosion and Sediment Plans will require the submittal of revised Soil Erosion and Sediment Control Plans to the District for recertification. The revised plans must meet all current NJ State Soil Erosion & Sediment Control Standards.

14. The Somerset-Union Soil Conservation District shall be notified of any changes in ownership.

15. Mulching to the NJ Standards is required for obtaining a Conditional Report of Compliance. Conditionals are only issued when the season prohibits seeding.

16. Contractor is responsible for keeping all adjacent roads clean during life of construction project.

17. The developer shall be responsible for remediating any erosion or sediment problems that arise as a result of ongoing construction of the request of the Somerset-Union Soil Conservation District.

18. Hydro seeding is a two-step process. The first step includes seed, fertilizer, lime, etc., along with minimal amounts of mulch to promote consistency, good seed to soil contact, and give visual indication of coverage. Upon completion of seed, hydro mulch should be applied at a rate of 1500 lbs. per acre in second step. The use of hydro mulch, as opposed to straw, is limited to optimum seeding dates as listed in the NJ Standards.

19. Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize soil transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.

Revised 5/15/15

PROPOSED SEQUENCE OF DEVELOPMENT

Installation of any silt fence prior to any major soil disturbance. Maintenance until permanent protection is established. Install and maintain inlet protection at any existing storm sewer inlets, as shown on the plans, until project is complete and permanently stabilized.

Clear and remove all existing vegetation in those areas where necessary. Any remaining vegetation and trees to be properly protected and to remain in its natural state.

Construct new curbing and repair driveway aprons. Week 1

Mill existing roadway. Week 2-4

Perform full depth pavement reconstruction as required. Week 5

Construct pavement surface course. Week 6

Fine grading of all lawn and landscape areas. Week 7

Removal of all temporary sediment and erosion control devices. Week 8

upon completion

STANDARD FOR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

DEFINITION Establishment of temporary vegetative cover on soils exposed for periods of two to 6 months which are not being graded, not under active construction or not scheduled for permanent seeding within 60 days.

PURPOSE To temporarily stabilize the soil and reduce damage from wind and water erosion until permanent stabilization is accomplished.

WATER QUALITY ENHANCEMENT Provides temporary protection against the impacts of wind and rain, slows the over land movement of stormwater runoff, increases infiltration and retains soil and nutrients on site, protecting streams or other stormwater conveyances.

WHERE APPLICABLE On exposed soils that have the potential for causing off-site environmental damage.

SITE PREPARATION

A. Grade as needed and feasible to permit the use of conventional equipment for seeded preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standard for Land Grading.

B. Immediately prior to seeding and topsoil application, the subsoil shall be evaluated for compaction in accordance with the Standard for Land Grading.

C. Topsoil should be handled only when it is dry enough to work without damaging the soil structure. A uniform application to a depth of 5 inches (unsetted) is required on site. Topsoil shall be amended with organic matter, as needed, in accordance with the Standard for Topsoiling.

D. Install needed erosion control practices or facilities such as diversions, grade-stabilization structures, channel stabilization measures, sediment basins, and waterways.

SEEDBED PREPARATION

A. Apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Cooperative Extension. Soil sample mowers are available from the local Rutgers Cooperative Extension offices.

Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise. Lime shall be applied at the rate of 100 pounds per acre or 11 pounds per 1,000 square feet of 10-10-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise and incorporated into the surface 4 inches. If fertilizer is not incorporated, apply one-half the rate described above during seeded preparation and repeat another one-half rate application of the same fertilizer within 3 to 5 weeks after seeding.

B. Work lime and fertilizer into the topsoil as nearly as practical to a depth of 4 inches with a disc, spring-tooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.

C. Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retilled in accordance with the above.

D. Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.

E. Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.

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V. Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.

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X. Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.

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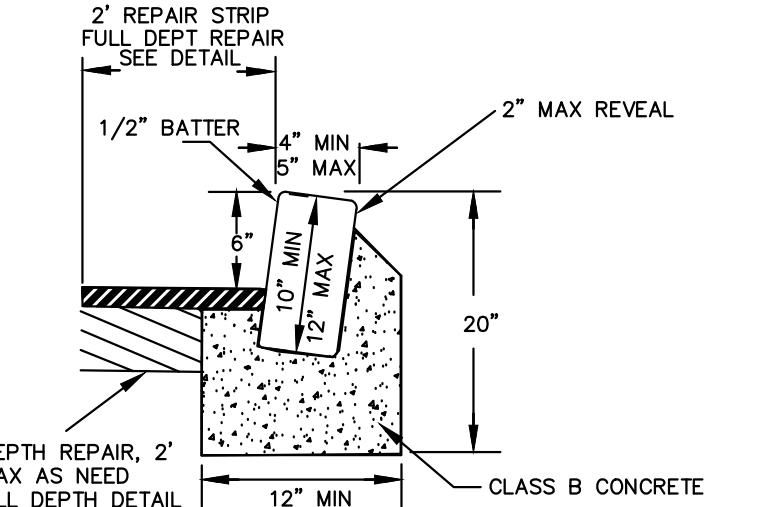
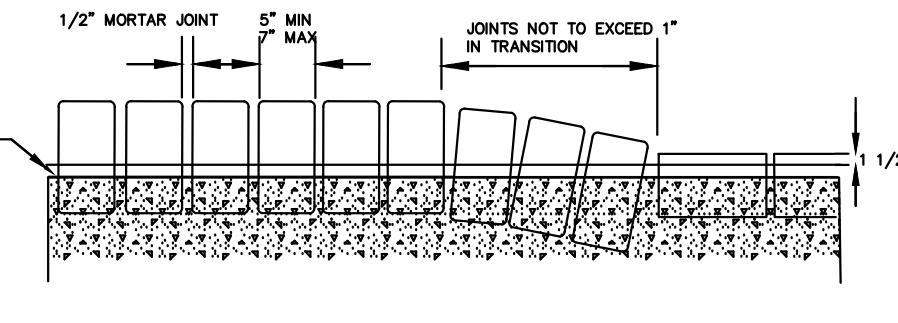
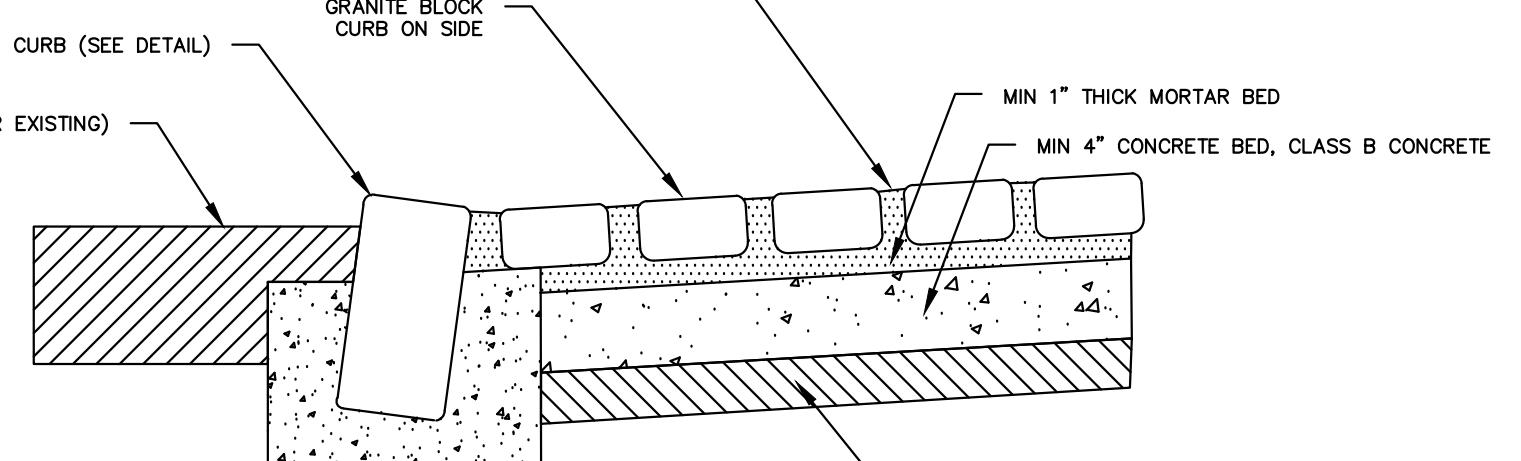
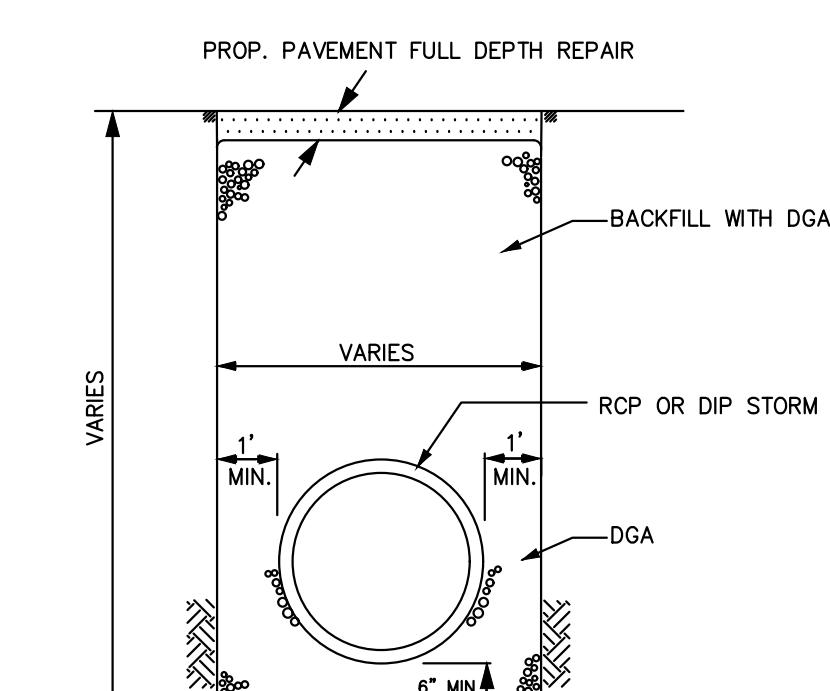
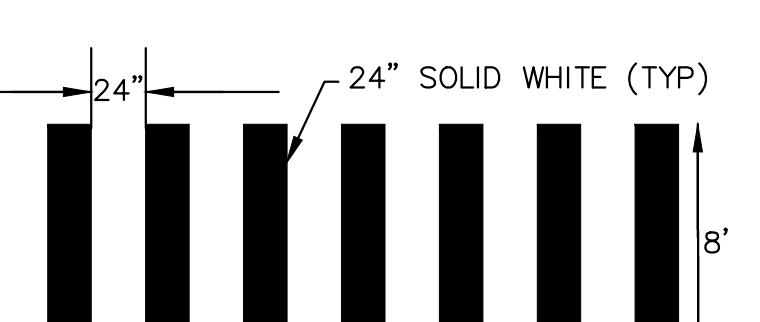
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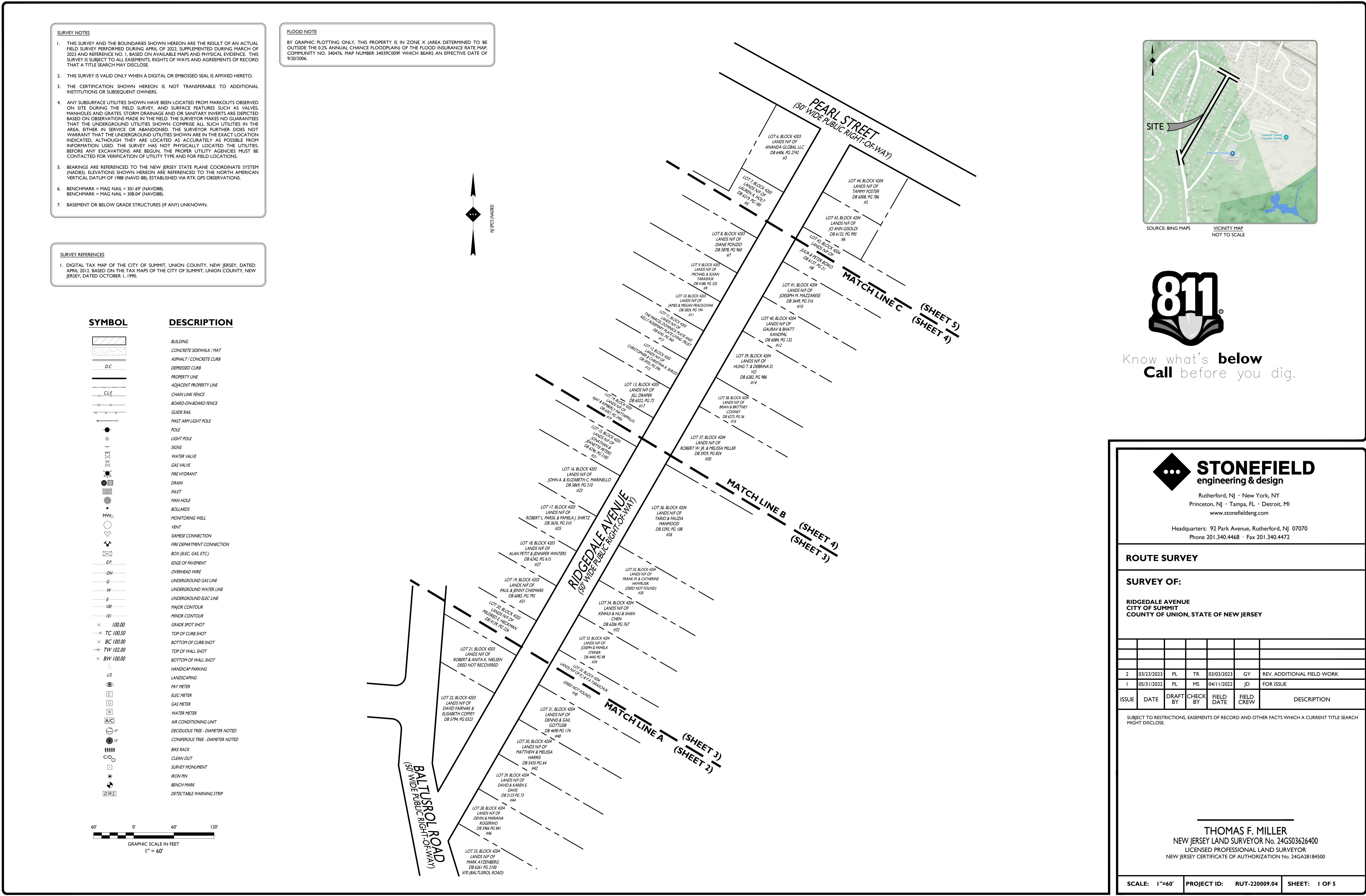
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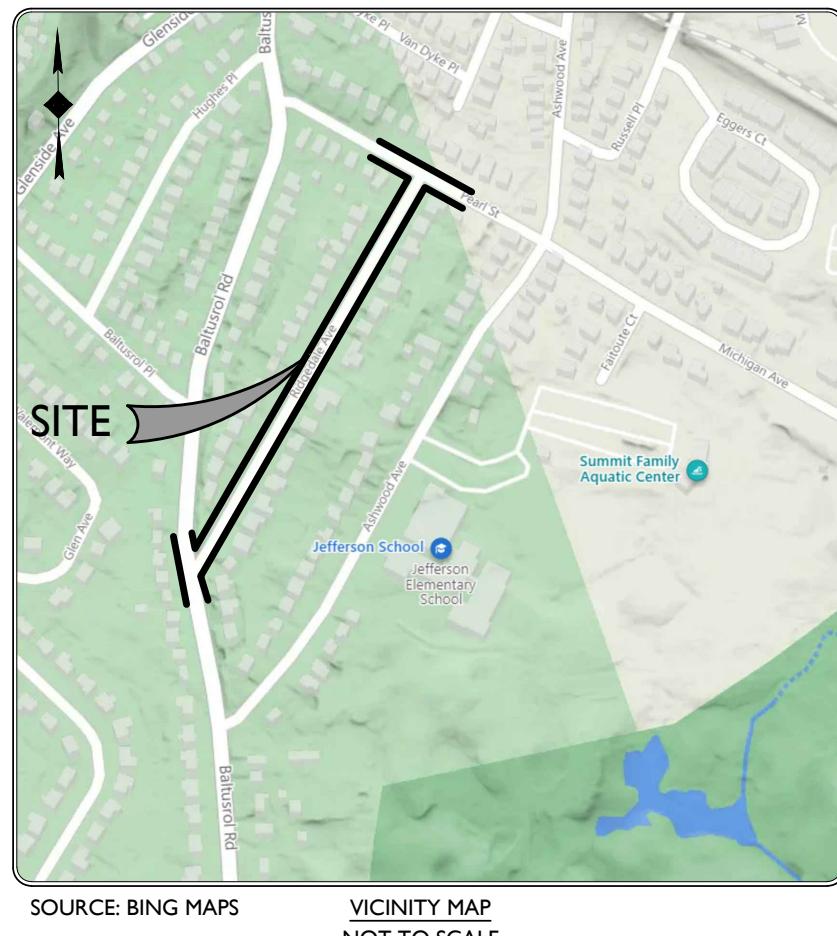
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REVISIONS NO. DATE	DESCRIPTION
	<p>CURB NOTES</p> <ol style="list-style-type: none"> 1) 4" THICK COARSE AGGREGATE SIZE NO. 57 SHALL BE CONSTRUCTED UNDERNEATH PROPOSED CURB IN MET FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. ALL COSTS FOR 4" THICK, COARSE AGGREGATE SIZE NO. 57 SHALL BE INCLUDED IN THE VARIOUS ITEMS BID IN THE PROJECT. 2) TOP OF CURB SHALL NOT BE SET HIGHER THAN ADJACENT EXISTING OR PROPOSED SIDEWALK UNDER ANY CONDITION. CONSULT PROJECT ENGINEER IF FIELD CONDITIONS DIFFER. 3) FULL DEPTH REPAIR TO BE CONSTRUCTED ALONG THE ROAD EDGE OF NEARLY UP TO 2' WIDE. ALL COSTS ASSOCIATED WITH FULL DEPTH REPAIR ALONG NEW CURB SHALL BE INCLUDED IN BID ITEM FOR CURB. 4) FINISHED GRADE BEHIND CURB, INCLUDING BUT NOT LIMITED TO, GRASSED AREA, MULCH, PAVEMENT, CONCRETE OR ASPHALT SHALL BE FLUSH WITH TOP OF CURB, UNLESS OTHERWISE NOTED ON PLANS. 5) NO EXTRA PAYMENT SHALL BE MADE FOR EXCAVATION REQUIRED FOR CURB CONSTRUCTION. ALL COSTS ASSOCIATED WITH EXCAVATION FOR NEW CURB SHALL BE INCLUDED IN THE BID ITEM FOR CURB.
	<p>GRANITE BLOCK CURB DETAIL N.T.S.</p> 
	<p>DEPRESSED GRANITE BLOCK CURB DETAIL N.T.S.</p> 
	<p>GRANITE BLOCK ARPON DETAIL N.T.S.</p> 
	<p>RIDGEDALE AVENUE & COLONIAL ROAD IMPROVEMENT PROJECT ENTIRE LENGTH CONSTRUCTION DETAILS</p>
	<p>Ridgedale Ave</p>
	<p>Baltusrol Rd</p>
	<p>Pearl St</p>
	<p>Colonial Rd</p>
	<p>Kent Place Blvd</p>
	<p>Evergreen Rd</p>
	<p>NOTES:</p> <ol style="list-style-type: none"> 1) SIGNS TO BE MOUNTED ON A 2 3/8" OD 10' BLACK POWDER COATED POLE 2) POLE TO HAVE A 18" MIN. DIA. X 4"-0" DEEP CONCRETE FOOTING 3) SIGNS TO BE MOUNTED ON A LYLE SIGNS PLACE HOLDER 4) COST FOR POST, HARDWARE, AND FOOTING TO BE INCLUDED IN "STREET NAME SIGN POST" 5) SIGN WIDTHS MAY VARY 6) WHITE BACKGROUND, BLACK LETTERS, BLOCK BORDER 7) MUST MEET MUTCD REFLECTIVE STANDARDS 8) PROOF MUST BE SUBMITTED FOR APPROVAL PRIOR TO INSTALL <p>STREET SIGN DETAILS: 9" SIGN (D3-1) N.T.S.</p>
	<p>ON OR ABOUT [DAY], [DD/MM/YYYY] CONSTRUCTION WILL BEGIN ON [STREET NAME] 18"x36"</p> <p>NOTE: 1) THE CONTRACTOR SHALL MOUNT THE SIGN IN ACCORDANCE WITH NJDOT 2019 STANDARD SPECIFICATIONS FOR ROAD AND HIGHWAY SIGNS & THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES</p> <p>2) EXACT WORDING TO BE APPROVED BY THE CITY ENGINEER</p> <p>CONSTRUCTION IDENTIFICATION SIGN DETAIL N.T.S.</p>
	<p>STORM PIPE TRENCH DETAIL N.T.S.</p> <p>PIPE ITEM SHALL INCLUDE: EXCAVATION REMOVAL/HAULING OF EXCAVATION PIPE BEDDING/DGA BACKFILLING SAW CUTTING 6" BASE HMA REPAIR/FULL DEPTH REPAIR</p> 
	<p>STOP SIGN INSTALLATIONS SHALL INCLUDE RED REFLECTIVE POST STRIPS</p> <p>STOP</p> <p>R1-1 "STOP" SIGN, 0.080" THICK ALUMINUM. SIGN FACE TO BE ENGINEERING GRADE. REFLECTIVE SHEETING</p> <p>RIBBED BACK U-CHANNEL TOP POST, 9'-0" LONG WITH GREEN BAKED ENAMEL FINISH</p> <p>BREAKAWAY POST SYSTEM</p> <p>RIBBED BACK U-CHANNEL ANCHOR POST, 3'-6" LONG, FLUSH WITH GRADE</p> <p>STABLE AND NON-YIELDING SUBGRADE</p> <p>NOTE: ALL FASTENERS (NUTS, BOLTS, & WASHERS TO BE GALVANIZED</p> <p>SPEED LIMIT 25</p> <p>R1-1 N.T.S. (30"x30")</p> <p>R2-1 N.T.S. (24"x30")</p> <p>SIGN DETAILS N.T.S.</p>
	<p>TYPICAL CROSSWALK DETAIL N.T.S.</p> 
	<p>CITY OF SUMMIT UNION CO., N.J. DIVISION OF ENGINEERING DEPARTMENT OF COMMUNITY SERVICES 512 SPRINGFIELD AVENUE SUMMIT, NJ 07901 UNION COUNTY</p> <p>Aaron J. Schrager Professional Engineer New Jersey Lic. No. 46143 City Engineer CITY OF SUMMIT UNION COUNTY, NEW JERSEY</p> <p>DATE: 4/1/2023</p> <p>DRAWN BY: SK</p> <p>SCALE N.T.S.</p> <p>8 OF 8</p>





SOURCE: BING MAPS VICINITY MAP
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

NOT TO SCALE



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The logo for Stonefield Engineering & Design. It features a black diamond shape with three white dots on the left. To the right of the diamond, the word "STONEFIELD" is written in large, bold, uppercase letters. Below it, "engineering & design" is written in a smaller, lowercase, sans-serif font.

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ROUTE SURVEY

SURVEY OF:

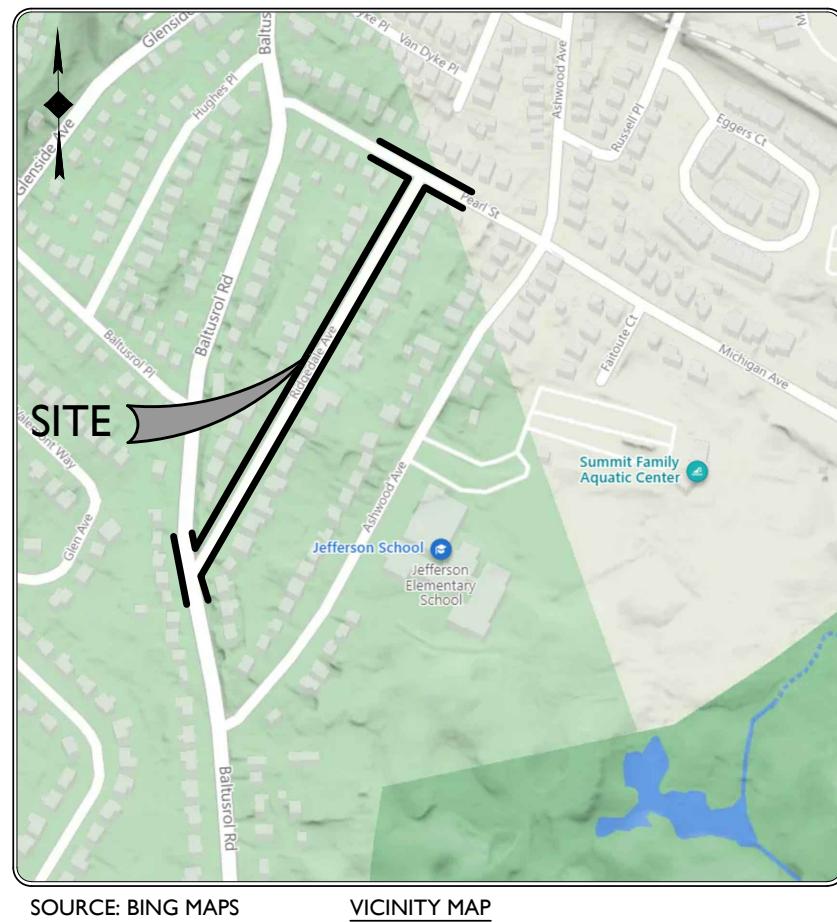
**RIDGEDALE AVENUE
CITY OF SUMMIT
COUNTY OF UNION, STATE OF NEW JERSEY**

2	03/23/2023	PL	TR	03/03/2023	GY	REV. ADDITIONAL FIELD WORK	
I	05/31/2022	PL	MS	04/11/2022	JD	FOR ISSUE	
ISSUE	DATE	DRAFT BY	CHECK BY	FIELD DATE	FIELD CREW	DESCRIPTION	

SUBJECT TO RESTRICTIONS, EASEMENTS OF RECORD AND OTHER FACTS WHICH A CURRENT TITLE SEARCH MIGHT DISCLOSE.

THOMAS F. MILLER
NEW JERSEY LAND SURVEYOR No. 24GS03626400
LICENSED PROFESSIONAL LAND SURVEYOR
NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 24GA28184500

SCALE: 1"=20' PROJECT ID: RUT-220009.04 SHEET: 3 OF 5



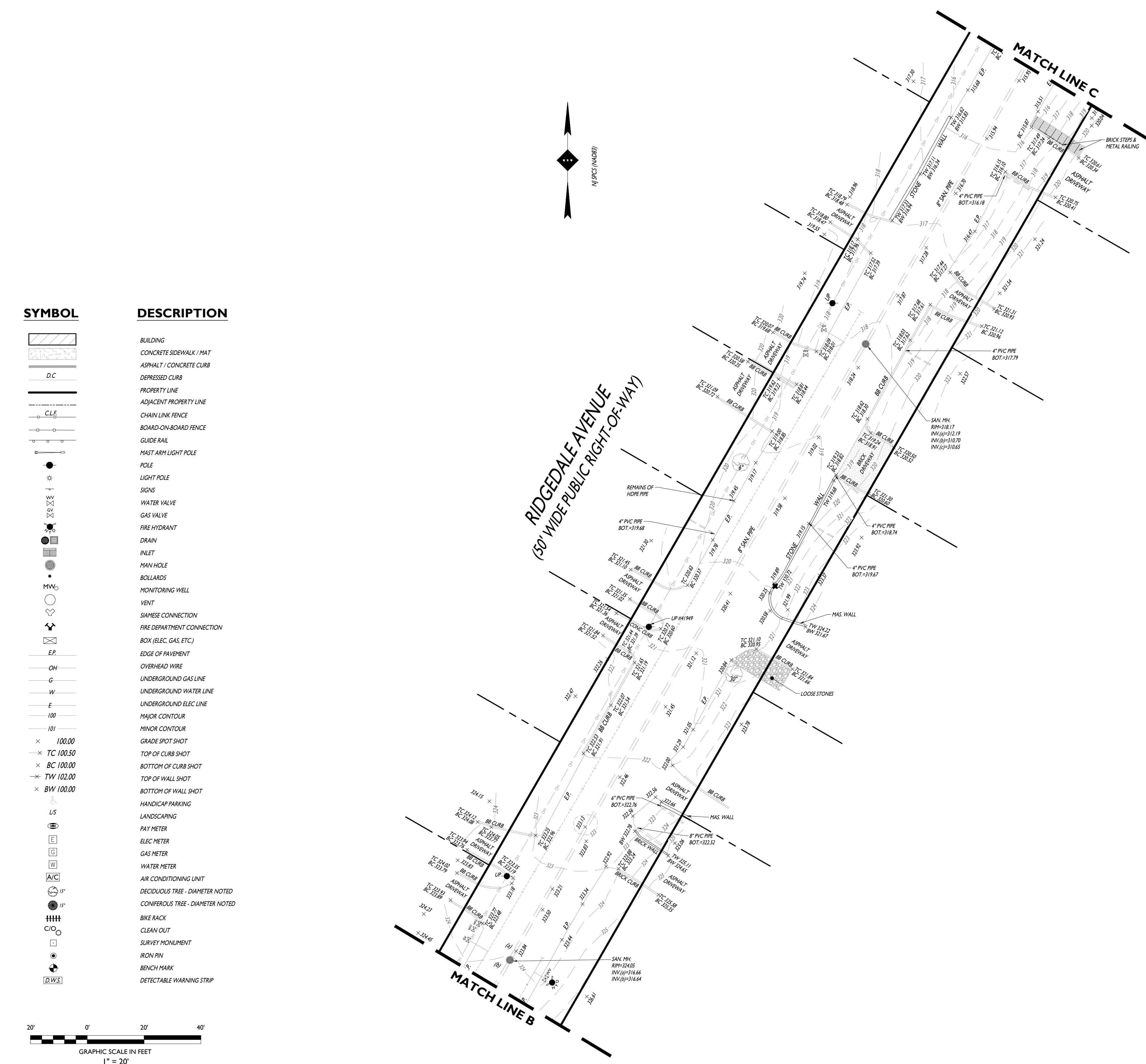
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ROUTE SURVEY

SURVEY OF:

**RIDGE AVE
CITY OF SUMMIT
COUNTY OF UNION, STATE OF NEW JERSEY**

CLASS	DATE	DRAFT	CHECK	FIELD	FIELD	DESCRIPTION
2	03/23/2023	PL	TR	03/03/2023	GY	REV. ADDITIONAL FIELD WORK
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301 | PROJECT ID: PHIT-2300000-01 | SHEET: 1 OF 5

PROJECT ID: RUT-220009.04 SHEET: 4 OF 5

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