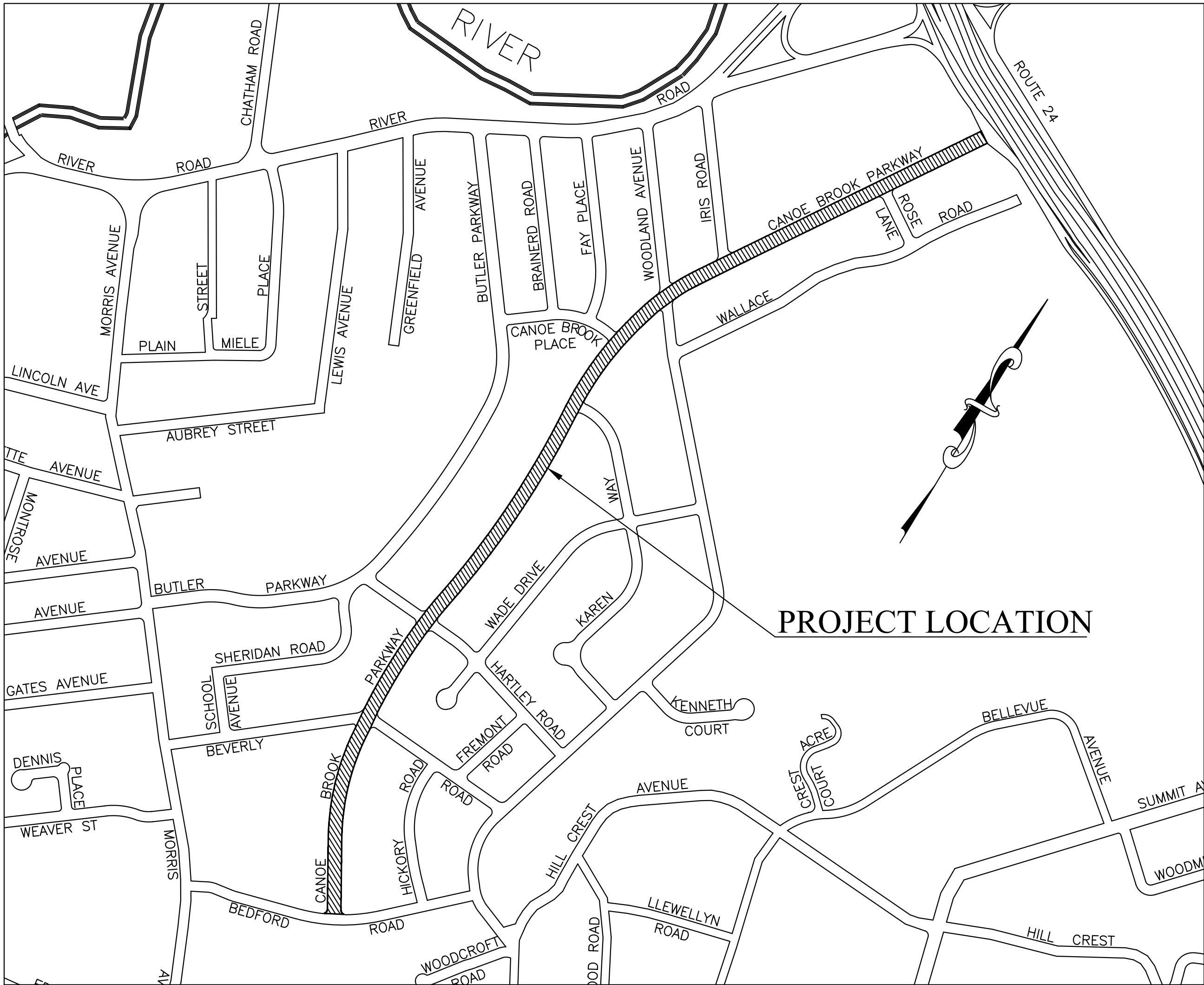


CANOE BROOK PARKWAY IMPROVEMENT PROJECT

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. ALL EXISTING AND PROPOSED ADA CURB RAMPS SHALL COMPLY WITH THE LATEST ADA STANDARDS FOR ACCESSIBLE DESIGN.
3. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS TO ALL DRIVEWAYS AND AT ANY VERTICAL TRANSITIONS DURING CONSTRUCTION AND AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A TEMPORARY HOT MIX ASPHALT RAMP TO PROVIDE A SMOOTH RIDING SURFACE AT DRIVEWAYS AND AT ANY VERTICAL TRANSITIONS, AS DIRECTED BY THE ENGINEER. ANY EXCAVATED AREAS WITHIN THE ROADWAY SHALL RECEIVE A TEMPORARY ASPHALT TOPPING BY THE END OF EACH WORK DAY. EXPOSED D.G.A. AT THE ROAD SURFACE WILL NOT BE PERMITTED. METAL PLATES MUST ALSO BE MADE AVAILABLE AND MAY BE USED AT THE DISCRETION OF THE ENGINEER OR TO PROVIDE ACCESS FOR EMERGENCY SERVICE VEHICLES. NO SEPARATE PAYMENT SHALL BE MADE FOR TEMPORARY ASPHALT. ALL COSTS ASSOCIATED WITH TEMPORARY ASPHALT MEASURES, INCLUDING METAL PLATES, SHALL BE INCLUDED IN THE VARIOUS BID ITEMS FOR THE PROJECT.
4. ALL ROADWAY AREA IS TO BE PROOF ROLLED AFTER MILLING AND BEFORE FINAL PAYING AT THE ENGINEERS DISCRETION. PROOF ROLLING MUST BE COMPLETED WITH A LOADED DUMP TRUCK IN THE PRESENCE OF THE ENGINEER OR PROJECT INSPECTOR. COSTS SHALL BE INCLUDED IN BID ITEM FOR MILLING.
5. ALLOWABLE START TIME IS 8:00 AM FOR ALL WORK. 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.
6. 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, 3)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 DIRECTLY TO THE OFFICERS HIRED FOR ALL SCHEDULED TIME.
7. NO DRAINS ARE TO BE INSTALLED UNDER DRIVEWAY APRONS OR THROUGH DROP CURBS.
8. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL UTILITIES TO RAISE OR LOWER MANHOLES, METERS, VALVES, ETC. TO GRADE AS WORK PROGRESSES. 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.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY DAMAGED CONCRETE BEFORE ACCEPTANCE OF THE PROJECT BY THE CITY AT NO ADDITIONAL COST. THIS INCLUDES CONCRETE THAT WAS MARKED, STEPPED IN OR STAMPED ONCE POURED, BUT PRIOR TO SETTING.
10. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL TREES WITHIN THE PROJECT DURING CONSTRUCTION, UNLESS A TREE IS NOTED TO BE REMOVED ON THESE PLANS. DAMAGE TO EXISTING TREES WILL BE EVALUATED BY THE CITY FORESTER. THE PROJECT SPECIFICATIONS IMPOSE 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".
11. 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.
12. THE CONTRACTOR IS RESPONSIBLE TO REPLACE/RESET ANY SPRINKLERS AND DOG FENCING DAMAGED/DISTURBED DURING CONSTRUCTION. THE COST FOR REPAIR/RESETTING SPRINKLERS AND REPAIRING 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.
13. NO SEPARATE PAYMENT SHALL BE MADE FOR THE RESETTING OR REPLACEMENT OF ANY WALKWAYS CONSTRUCTED OF GRANITE BLOCK, BRICK, BRICK PAVERS, STONE, SLATE, ETC. ALL PRIVATE WALKWAYS SHALL BE RESET TO MEET FLUSH WITH ANY NEW SIDEWALK PROPOSED. NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION OF CURB ALONG DRIVEWAY APRONS AND DRIVEWAYS WHERE CURBING CURRENTLY EXISTS. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.
14. ALL PAVEMENT STRIPING & MARKINGS SHALL BE THERMOPLASTIC PER NJDOT STANDARDS.
15. 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. ADJUSTMENTS CAN BE MADE IN THE FIELD DURING CONSTRUCTION UPON CONSULTATION WITH THE CITY ENGINEER.
16. SHOP DRAWINGS ARE TO BE SUBMITTED FOR ALL PROPOSED DRAINAGE STRUCTURES, SIGNS & POSTS, AND ANY CONCRETE FOOTINGS FOR REVIEW AND APPROVAL BY THE CITY ENGINEER OR THEIR REPRESENTATIVE. ALL DRAINAGE STRUCTURES AND FOOTINGS MUST BE DESIGNED BY A NEW JERSEY PROFESSIONAL ENGINEER.
17. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION FOR THE IMPROVEMENTS SHOWN SHALL BE IN ACCORDANCE WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND ALL APPLICABLE AMENDMENTS.
18. EXISTING CLEANOUTS LOCATED WITHIN EXTENTS OF NEW SIDEWALK SHALL BE RESET TO BE FLUSH WITH GRADE OR FINISHED CONCRETE SURFACE AND MUST BE ADA COMPLIANT. CLEANOUTS LOCATED WITHIN THE SIDEWALK SHALL INCLUDE A BRASS CAP. ALL COSTS RELATED TO CLEANOUTS TO BE INCLUDED IN THE BID ITEM "CONCRETE SIDEWALK"
19. EXISTING PIPE DISCHARGES THROUGH CURB SHALL BE MAINTAINED. RECONSTRUCT PIPE DISCHARGES AS NEEDED IF SIDEWALK CONFLICT ARISES. CONTRACTOR MAY USE LOW PROFILE EMITTERS FOR ADDITIONAL CLEARANCE. RECONSTRUCT CURB AT PIPE PENETRATION AS NEEDED. ALL COSTS RELATED TO RECONSTRUCTING AND/OR MODIFYING CURB DISCHARGES TO BE INCLUDED IN THE BID ITEM "CONCRETE SIDEWALK"
20. ANY MATERIALS OR DEBRIS REMOVED FROM THE SITE SHALL BE DONE SO IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS.
21. NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, UNLESS NOTED OTHERWISE. ALL COSTS ARE TO BE INCLUDED IN THE BID ITEM "MOBILIZATION".
22. SITE SURVEY PROVIDED BY BOSWELL ENGINEERING. PHONE: (201) 641 - 0770.
23. ANY PROPOSED PAVEMENT THICKNESS NOTED HEREIN SHALL BE POST-COMPACTION, UNLESS OTHERWISE NOTED.
24. WHERE SIDEWALK IS PROPOSED AT LOCATIONS WITH EXISTING CURB DISCHARGES, CONTRACTOR SHALL MODIFY CURB DISCHARGES USING LOW PROFILE EMITTERS, AS REQUIRED, TO PROVIDE ADEQUATE COVER FOR SIDEWALK CONSTRUCTION. NO SEPARATE PAYMENT SHALL BE MADE FOR LABOR OR MATERIAL ASSOCIATED SUCH A MODIFICATION. ALL COSTS ASSOCIATED THE MODIFICATION SHALL BE INCLUDED IN THE BID ITEM FOR "CONCRETE SIDEWALK, 4" THICK."
25. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING TEST PITS AT THE LOCATION OF ANY PROPOSED UTILITY, STORM, OR SANITARY STRUCTURES AND/OR PIPES. ANY POTENTIAL CONFLICTS, RESULTING FROM THE TEST PITS, SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER PRIOR TO INSTALLING THE PROPOSED INFRASTRUCTURE. ALL COSTS ASSOCIATED WITH TEST PITS SHALL BE INCLUDED IN THE BID ITEM "EXCAVATION, TEST PIT"
26. NO SEPARATE PAYMENT SHALL BE MADE FOR FLAGGERS. ALL COSTS FOR FLAGGERS SHALL BE INCLUDED IN VARIOUS ITEMS IN THE BID PROPOSAL.
27. NO SEPARATE PAYMENT SHALL BE MADE FOR THE EXCAVATION OF UNCLASSIFIED MATERIAL ASSOCIATED WITH HMA PAVEMENT 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 "HMA PAVEMENT REPAIR."
28. NO SEPARATE PAYMENT SHALL BE MADE FOR THE EXCAVATION OF UNCLASSIFIED MATERIAL ASSOCIATED WITH THE INSTALLATION OF NEW OR REPLACEMENT CURBING. ALL COSTS ASSOCIATED WITH EXCAVATION SHALL BE INCLUDED IN THE BID ITEM "GRANITE BLOCK CURB".
29. 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.
30. NO SEPARATE PAYMENT SHALL BE MADE FOR HMA PROFILE MILLING. ALL COSTS ASSOCIATED WITH PROFILE MILLING SHALL BE PAID UNDER BID ITEM "HMA MILLING, 2" OR LESS."
31. ANY TYPE 'B' OR TYPE 'D' INLETS IDENTIFIED HEREIN FOR RECONSTRUCTION SHALL INCLUDE NEW NEW TYPE 'N' ECO-HEAD CURB PIECE AND BICYCLE SAFE GRATE. ALL COSTS ARE TO BE INCLUDED IN THE BID ITEM FOR THE RESETTING OR RECONSTRUCTING OF THE INLET.
32. CCTV OF SANITARY AND STORM SEWER PIPES WITHIN THE PROJECT AREA SHALL BE PERFORMED AND FOOTAGE SUBMITTED TO THE CITY ENGINEER FOR REVIEW. REPAIRS SHALL BE MADE TO SEWERS, AT THE DISCRETION OF THE CITY ENGINEER, PRIOR TO MILLING AND PAVING OPERATIONS.



LOCATION MAP

N.T.S.

TOTAL PROJECT LENGTH - 5,300 LF.

INDEX OF SHEETS

SHEET	DESCRIPTION
G-001	COVER SHEET
C-001	CONSTRUCTION PLAN
C-002	CONSTRUCTION PLAN
C-003	CONSTRUCTION PLAN
C-004	CONSTRUCTION PLAN
C-005	SOIL EROSION & SEDIMENT CONTROL PLAN
C-006	SOIL EROSION & SEDIMENT CONTROL PLAN
C-007	SOIL EROSION & SEDIMENT CONTROL PLAN
C-008	SOIL EROSION & SEDIMENT CONTROL PLAN
C-009	SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS
C-010	CONSTRUCTION DETAILS
C-011	CONSTRUCTION DETAILS
C-012	TRAFFIC CONTROL PLAN
C-013	TRAFFIC CONTROL PLAN
1 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
2 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
3 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
4 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
5 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
6 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
7 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
8 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)
9 OF 9	EXISTING CONDITIONS PLAN (PROVIDED BY BOSWELL)

UTILITIES

Public Service Electric & Gas Co.
48 Middle Avenue
Summit, NJ 07901
(908) 522 - 7404
michael.gomes@pseg.com

Jersey Central Power and Light
300 Madison Avenue
Morristown, NJ 07960
(888) 544 - 4877
ralstonsantiago@firstenergycorp.com

Comcast Cablevision of New Jersey
800 Rahway Avenue
Union, NJ 07083
(908) 258 - 8112

Verizon
445 Georges Road
North Brunswick, NJ 08902
(201) 996 - 6610
braxton.plummer@verizon.com

City of Summit
Division of Public Works
41 Chatham Road
Summit, NJ 07901
(908) 273 - 6404
aschrager@cityofsummit.org

New Jersey American Water Co.
167 JFK Parkway
Short Hills, NJ 07078
(973) 564 - 5706
mike.malloy@amwater.com

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	25
5	DRUM	UNIT	30
6	TRAFFIC CONE	UNIT	40
7	CONSTRUCTION SIGNS	SF	500
8	CONSTRUCTION IDENTIFICATION SIGN, 48" X 36"	UNIT	5
9	CONSTRUCTION LAYOUT	LS	1
10	UTILITY COORDINATION	LS	1
11	INLET FILTER, TYPE 1	SF	250
12	FUEL PRICE ADJUSTMENT	DOLL	DOLL
13	ASPHALT PRICE ADJUSTMENT	DOLL	DOLL
ROADWAY, CURBING & ADA			
14	HMA MILLING, 2" OR LESS	SY	15,600
15	HOT MIX ASPHALT PAVEMENT REPAIR	SY	780
16	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2,150
17	EXCAVATION, TEST PIT	CY	50
18	EXCAVATION, UNCLASSIFIED	CY	50
19	GRANITE BLOCK CURB	LF	1,900
20	REPORTING EXISTING GRANITE BLOCK CURB	LF	250
21	CONCRETE SIDEWALK, 4" THICK	SY	2,500
22	DETECTABLE WARNING SURFACE	SY	35
23	CONCRETE DRIVEWAY, 6" THICK	SY	360
24	HOT MIX ASPHALT DRIVEWAY 4" THICK	SY	500
25	RESET EXISTING BRICK OR BLOCK	SY	55
26	TRAFFIC STRIPES, 4" THICK	LF	1,500
27	TRAFFIC STRIPES, 12" THICK	LF	350
28	TRAFFIC STRIPES, 24" THICK	LF	1,200
29	TRAFFIC MARKINGS SYMBOLS	SF	250
30	REMOVAL OF TRAFFIC STRIPES	LF	100
31	DECORATIVE HIGH TRAFFIC PAVEMENT SURFACING	SY	645
UTILITIES			
32	RESET MANHOLE, SANITARY SEWER, USING NEW CASTING	UNIT	20
33	VIDEO INSPECTION OF SEWER	LF	4,000
34	RESET MANHOLE, STORM SEWER, USING NEW CASTING	UNIT	10
35	RESET INLET, TYPE B, USING NEW CASTING	UNIT	24
36	RECONSTRUCTED INLET, TYPE B, USING NEW CASTING	UNIT	1
37	INLET, TYPE B	UNIT	3
38	MANHOLE, DOGHOUSE, 6' DIAMETER	UNIT	3
39	RECONSTRUCTED MANHOLE, SANITARY SEWER, USING NEW CASTING	UNIT	1
40	RECONSTRUCTED MANHOLE, USING NEW CASTING	UNIT	1
41	15" REINFORCED CONCRETE PIPE	LF	70
42	24" REINFORCED CONCRETE PIPE	LF	359
43	24" REINFORCED CONCRETE PIPE, CLASS IV	LF	102
44	36" REINFORCED CONCRETE PIPE	LF	334
45	16" DUCTILE IRON PIPE	LF	92
46	POLYVINYL CHLORIDE SEWER PIPE	LF	50
47	VIDEO INSPECTION OF PIPE	LF	6,500
48	RESET GAS VALVE BOX	UNIT	20
49	RESET WATER VALVE BOX	UNIT	20
50	SEWER REPAIR, IF AND WHERE DIRECTED, 10' LENGTH, 10' DEPTH	UNIT	3
LANDSCAPING			
51	TOPSOIL SPREADING, 4" THICK	SY	3000
52	FERTILIZING AND SEEDING, TYPE A-3,	SY	3000
53	STRAW MULCHING	SY	3000
54	BORROW TOPSOIL	CY	250
55	TREE REMOVAL, OVER 10" TO 36"	UNIT	14
56	TREE REMOVAL, OVER 36"	UNIT	1
57	SMALL DECIDUOUS TREE, 2"-2.5" CAL.	UNIT	20
STREET SIGNS & PARKING METERS			
58	REGULATORY AND WARNING SIGN	UNIT	20
59	STREET NAME SIGN & POST	UNIT	8

Project Safety Note:

The contractor(s) working on the project are responsible to ensure that all safety regulations of the Occupational Safety and Health Administration (OSHA) and the requirements of the State of New Jersey Department of Labor and Industry shall be adhered to on this project and that he or she shall instruct his or her personnel to follow these regulations. These regulations include, but are not limited to, the regulations concerning Trench Excavation, Competent Persons and Confined Space Regulations.

Specifications Note:

New Jersey Department of Transportation Standard Specifications for Road and Bridge Construcion 2019 and all of its amendments and Baseline Document Changes are to govern all construction here in.

Funding Note:

This project is funded by the City of Summit and an NJDOT Local Transportation Projects Fund Grant

Survey Note:

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



REVISIONS

NO.	DATE	DESCRIPTION
1	9/25/25	Revised per NJDOT comments dated 9/19/25

CANOE BROOK PARKWAY IMPROVEMENT PROJECT

ENTIRE LENGTH COVER SHEET

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

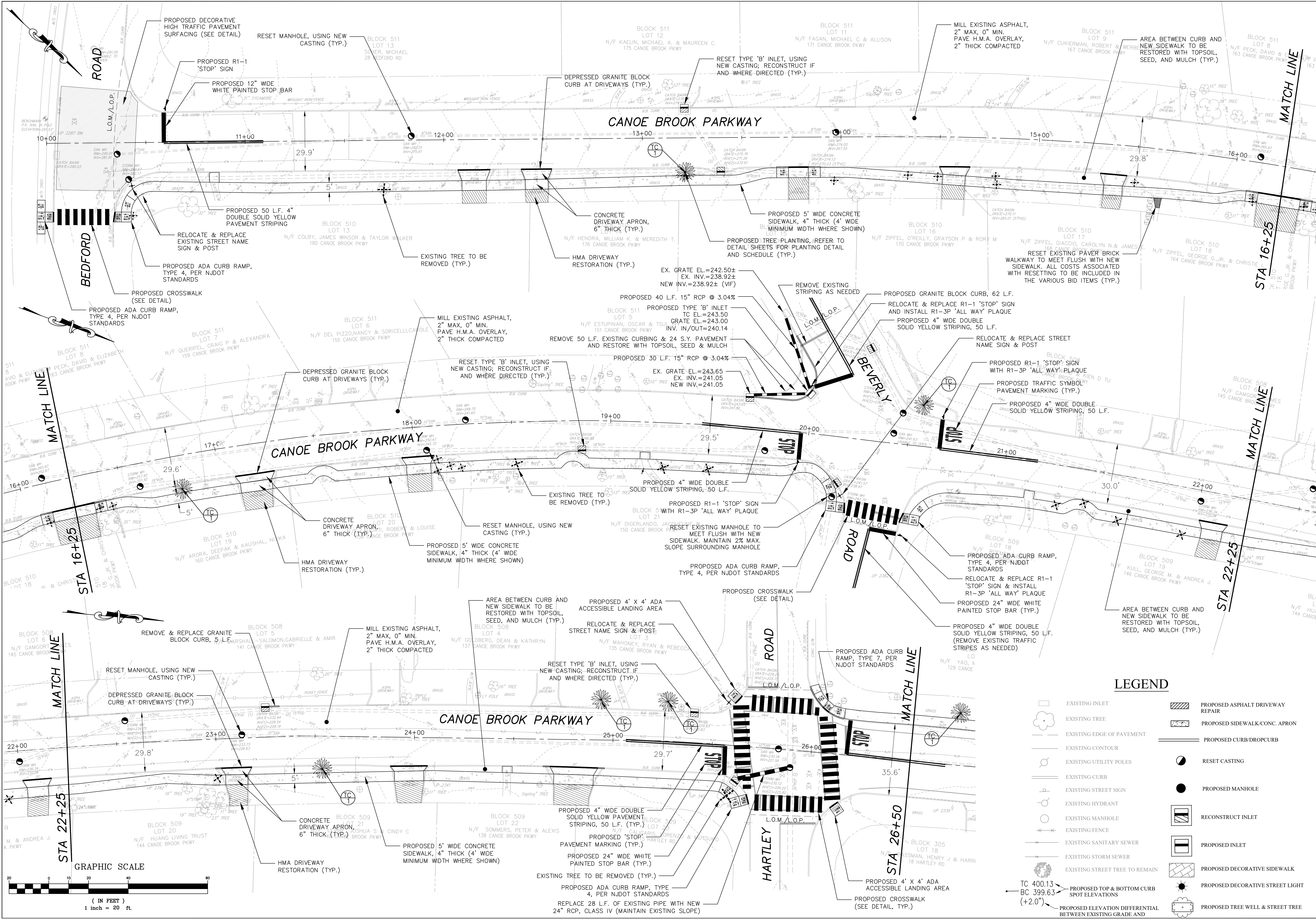
Aaron J. Schrager
Professional Engineer
New Jersey Lic. No. 46143
City Engineer

DATE:
5/16/2025

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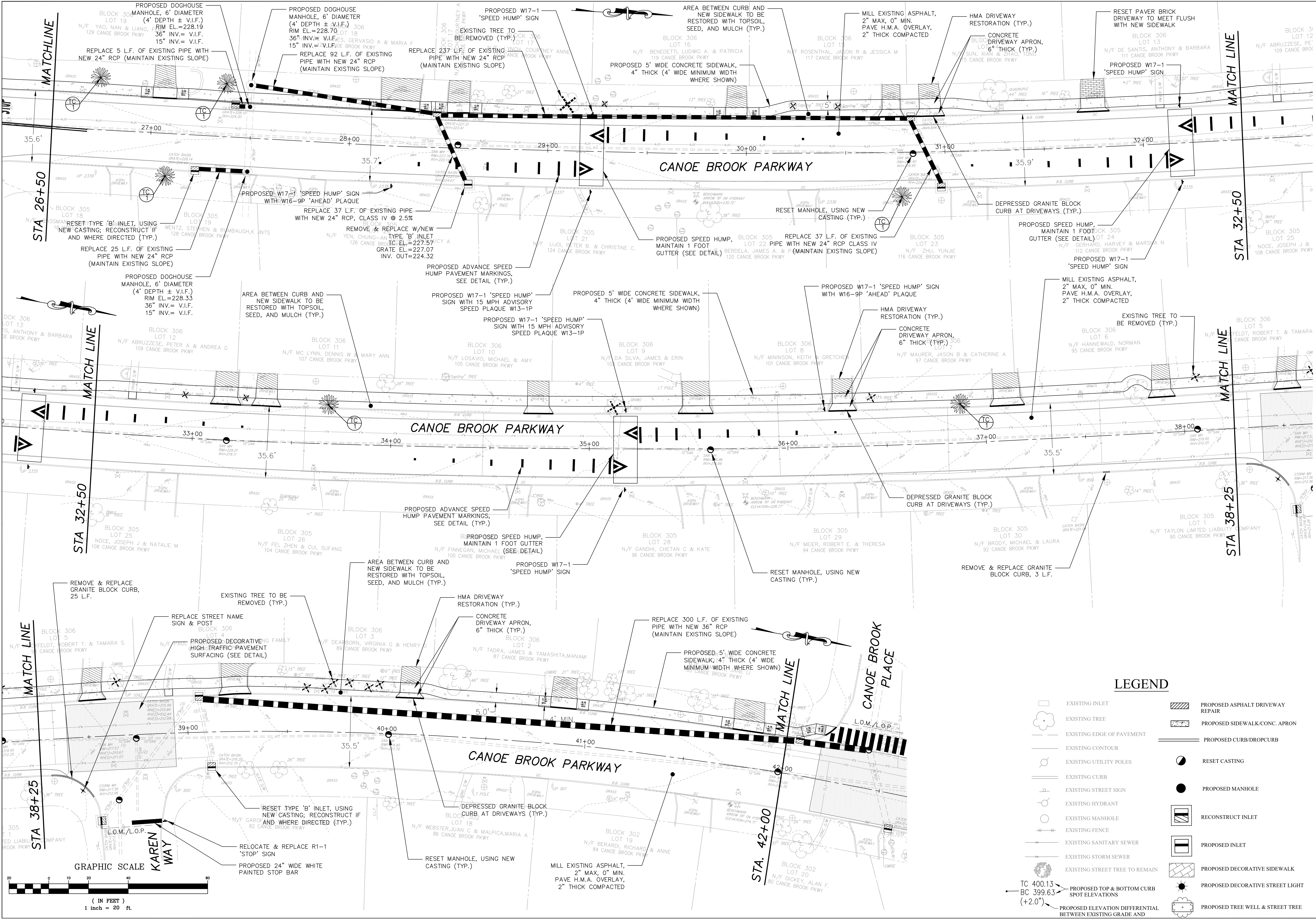
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| | EXISTING INLET | | PROPOSED ASPHALT DRIVEWAY REPAIR |
| | EXISTING TREE | | PROPOSED SIDEWALK/CONC. APRON |
| | EXISTING EDGE OF PAVEMENT | | PROPOSED CURB/DROPCURB |
| | EXISTING CONTOUR | | RESET CASTING |
| | EXISTING UTILITY POLES | | PROPOSED MANHOLE |
| | EXISTING CURB | | RECONSTRUCT INLET |
| | EXISTING STREET SIGN | | PROPOSED INLET |
| | EXISTING HYDRANT | | PROPOSED DECORATIVE SIDEWALK |
| | EXISTING MANHOLE | | PROPOSED DECORATIVE STREET LIGHT |
| | EXISTING FENCE | | PROPOSED TREE WELL & STREET TREE |
| | EXISTING SANITARY SEWER | | |
| | EXISTING STORM SEWER | | |
| | EXISTING STREET TREE TO REMAIN | | |
| | PROPOSED TOP & BOTTOM CURB SPOT ELEVATIONS | | |
| | PROPOSED ELEVATION DIFFERENTIAL BETWEEN EXISTING GRADE AND | | |

REVISIONS	
NO.	DATE
1	9/25/25
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CITY OF SUMMIT UNION CO., N.J.	
DIVISION OF ENGINEERING	
DEPARTMENT OF COMMUNITY SERVICES	
512 SPRINGFIELD AVENUE	
SUMMIT NJ 07901	
UNION COUNTY	
Aaron J. Schrager Professional Engineer New Jersey Lic. No. 46143 City Engineer	

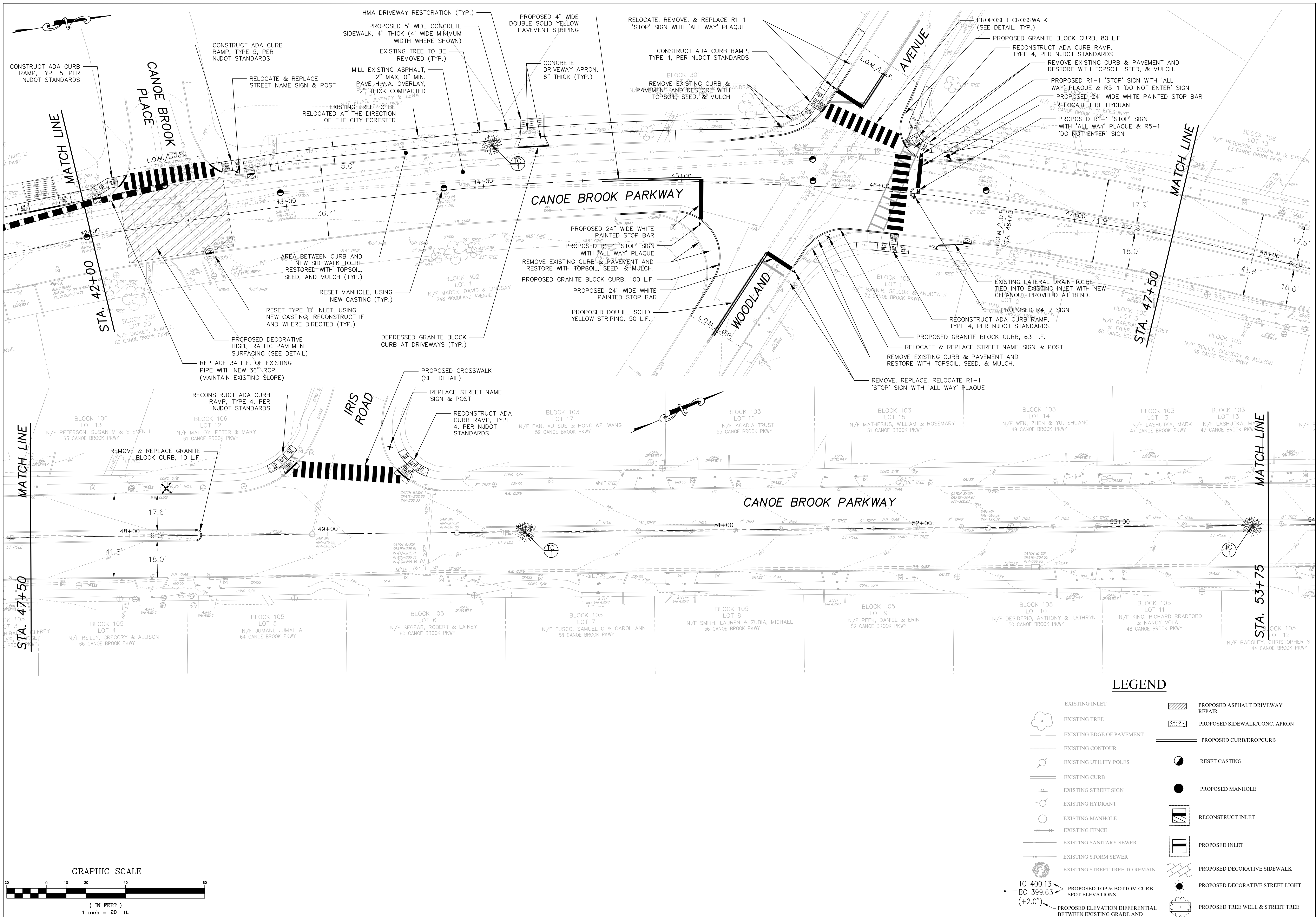
CITY OF SUMMIT UNION CO., N.J.	
DIVISION OF ENGINEERING	
DEPARTMENT OF COMMUNITY SERVICES	
512 SPRINGFIELD AVENUE	
SUMMIT NJ 07901	
UNION COUNTY	
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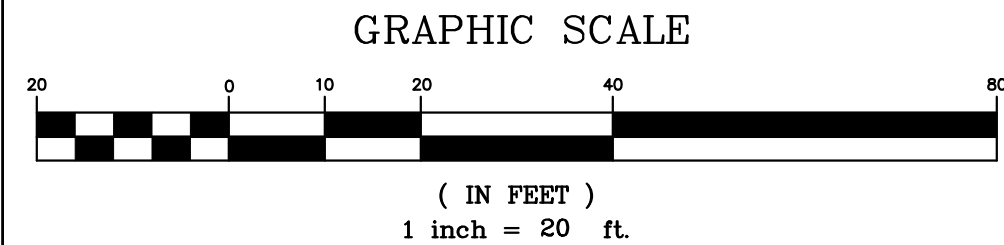
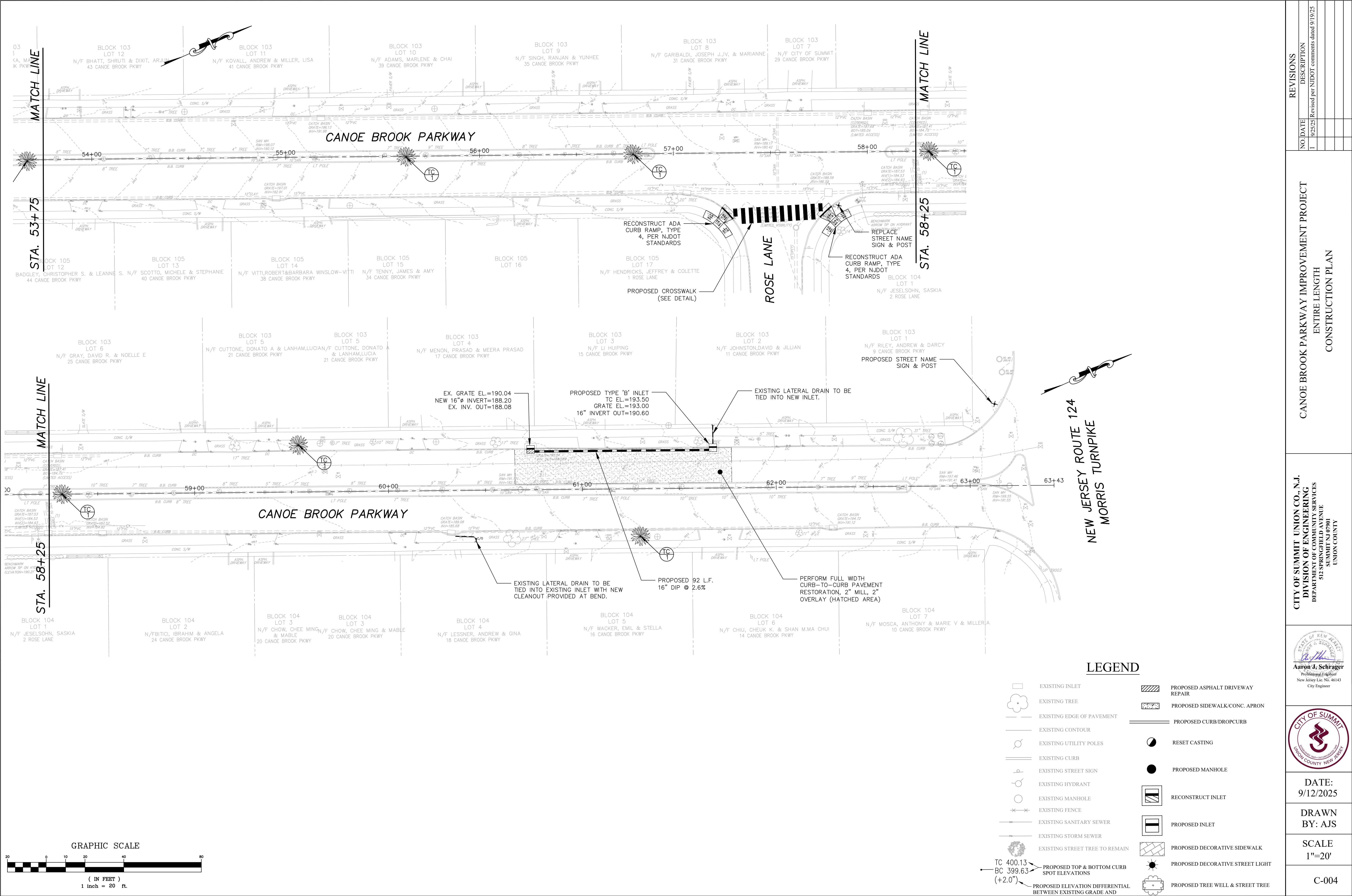


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| | EXISTING INLET | | PROPOSED ASPHALT DRIVEWAY REPAIR |
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REVISIONS	NO.	DATE	DESCRIPTION
	1	9/25/25	Revised per NIDOT comments dated 9/19/25
CITY OF SUMMIT UNION CO., N.J. DIVISION OF ENGINEERING DEPARTMENT OF COMMUNITY SERVICES 512 SPRINGFIELD AVENUE SUMMIT NJ 07901 UNION COUNTY			
CANOE BROOK PARKWAY IMPROVEMENT PROJECT ENTIRE LENGTH CONSTRUCTION PLAN			
DATE: 9/12/2025			
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| | EXISTING TREE | | PROPOSED SIDEWALK/CONC. APRON |
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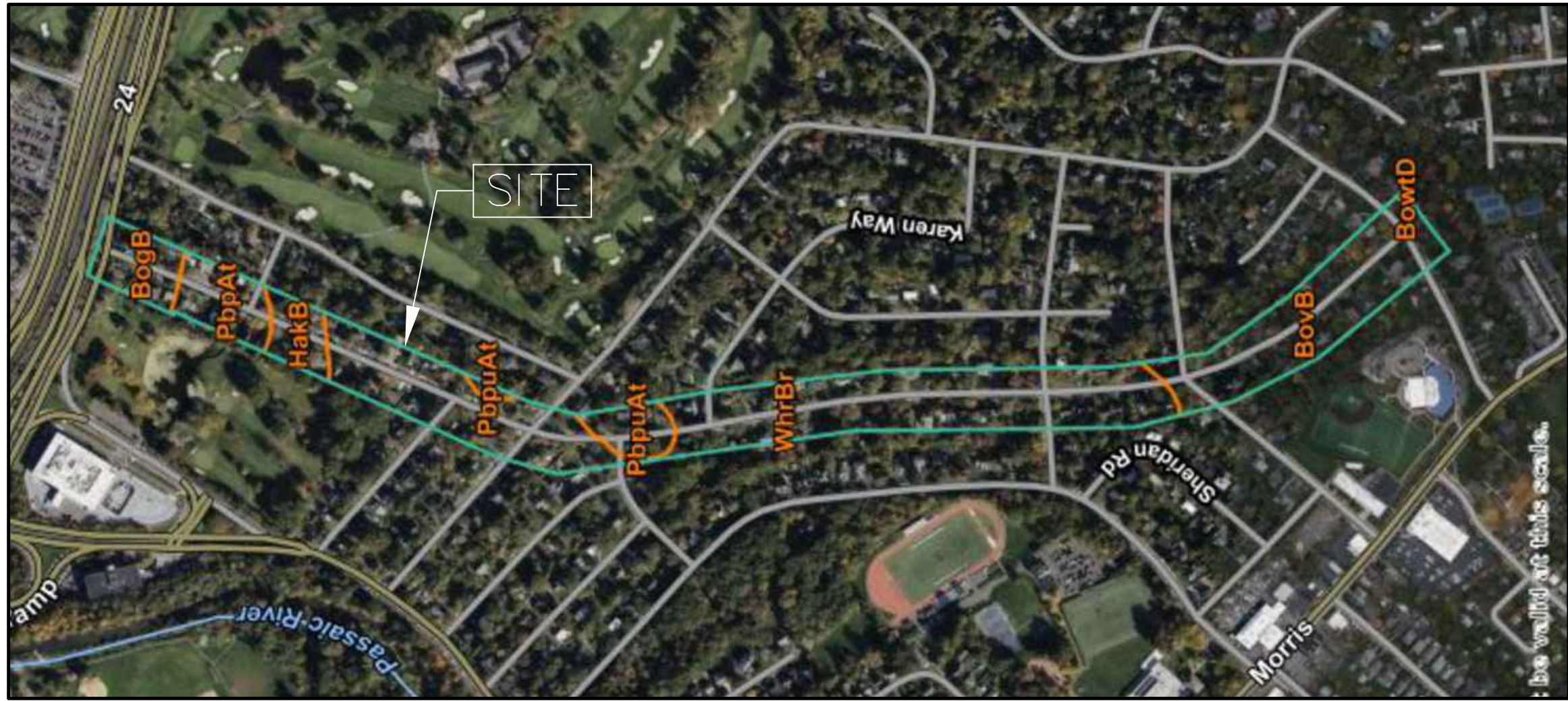
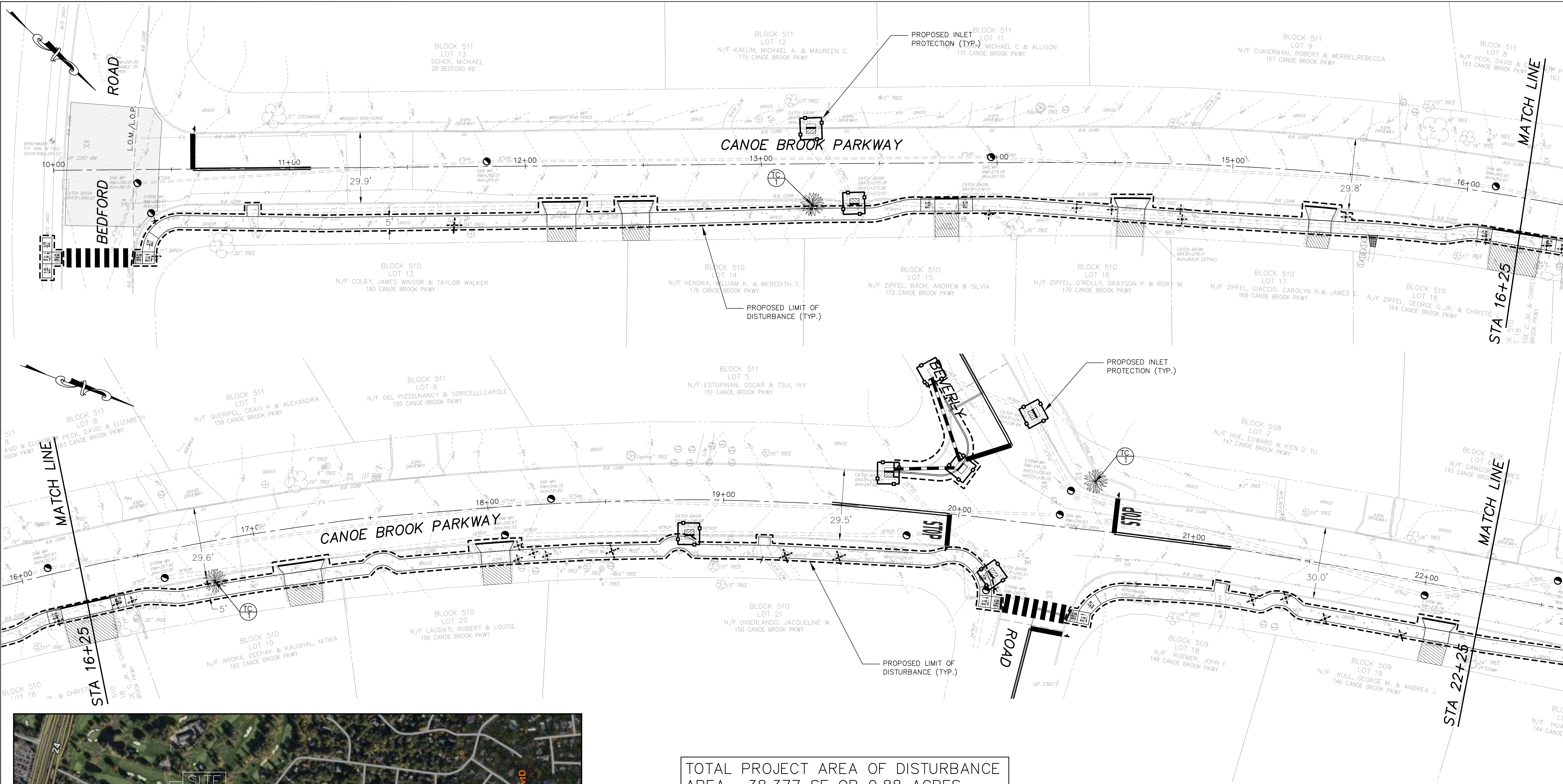
REVISIONS		DESCRIPTION
NO.	DATE	
1	9/25/25	Revised per NIDOT comments dated 9/19/25

CANOE BROOK PARKWAY IMPROVEMENT PROJECT		
ENTIRE LENGTH		
CONSTRUCTION PLAN		

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

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

DATE: 9/12/2025
DRAWN BY: AJS
SCALE 1"=20'
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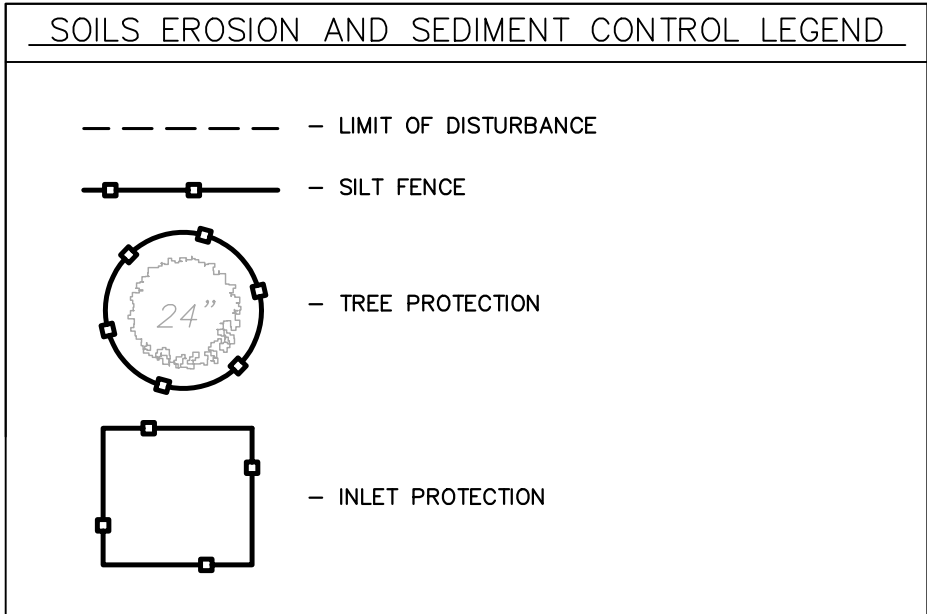
SOILS MAP
SCALE: 1"=500'
MAP SOURCED FROM USDA WEB SOIL SURVEY
THE SITE IS MADE UP OF:
BogB (BOONTON LOAM, 3 TO 8 PERCENT SLOPES)
BowB (BOONTON-URBAN LAND-HALEDON COMPLEX, 0 TO 8 PERCENT SLOPES)
BovB (BOONTON-URBAN LAND COMPLEX, TERMINAL MORAINES, 15 TO 25 PERCENT SLOPES)
HakB (HALEDON LOAM, 3 TO 8 PERCENT SLOPES)
PbpAt (PARSIPPANY SILT LOAM, 0 TO 3 PERCENT SLOPES, FREQUENTLY FLOODED)
PbpuAt (PARSIPPANY-URBAN LAND COMPLEX, 0 TO 3 PERCENT SLOPES)
WhrBr (WHIPPANY-URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES, RARELY FLOODED)

TOTAL PROJECT AREA OF DISTURBANCE
AREA =38,377 SF OR 0.88 ACRES

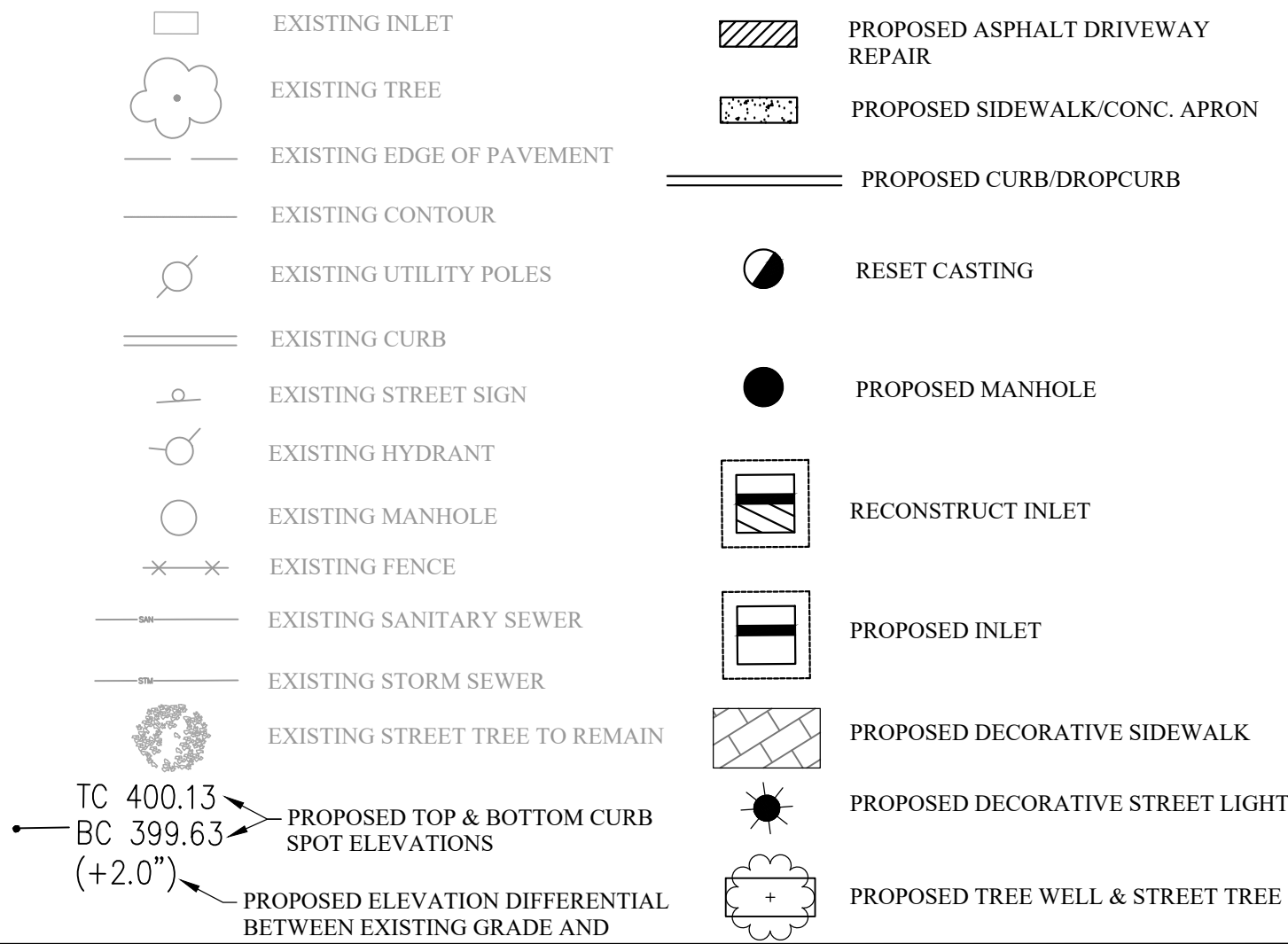
PROJECT EXEMPTIONS:

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

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.



LEGEND



REVISIONS	
NO.	DATE
1	9/25/25
Revised per NJDOT comments dated 9/19/25	

CANOE BROOK PARKWAY IMPROVEMENT PROJECT
ENTIRE LENGTH
SOIL EROSION & SEDIMENT CONTROL PLAN

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

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

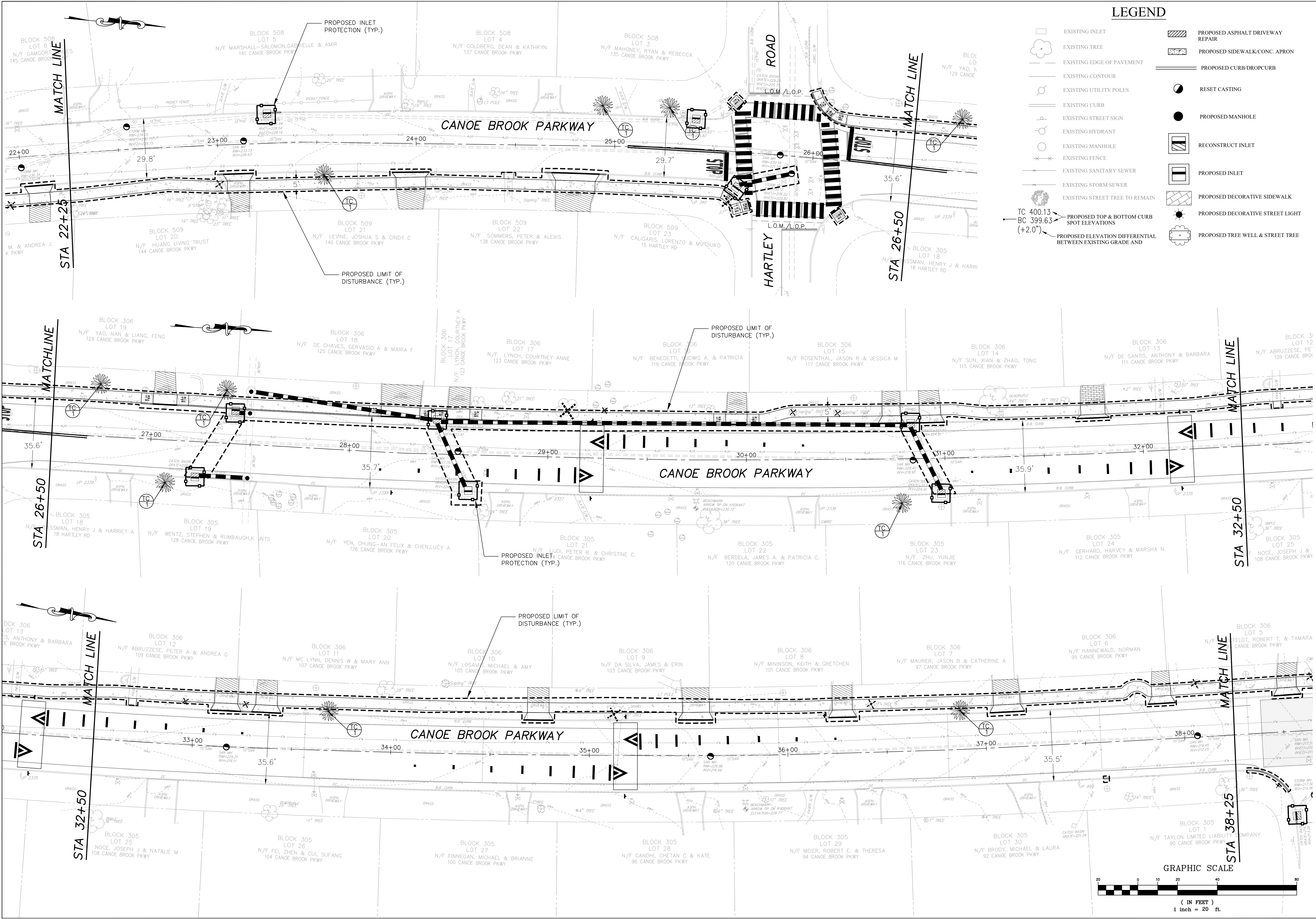
CITY OF SUMMIT
UNION COUNTY NEW JERSEY

DATE:
9/12/2025

DRAWN BY:
AJS

SCALE
1"=20'

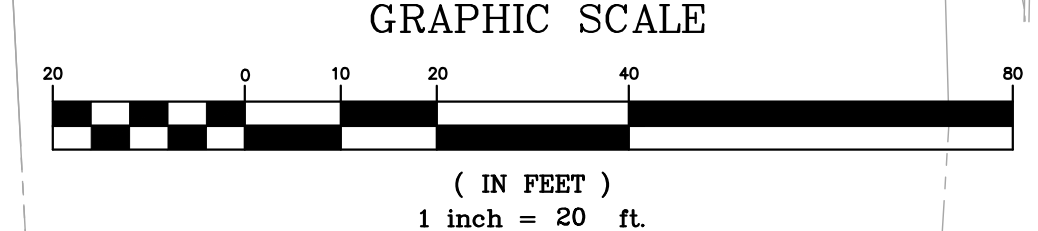
C-005



LEGEND

- EXISTING INLET
- EXISTING TREE
- EXISTING EDGE OF PAVEMENT
- EXISTING CONTOUR
- EXISTING UTILITY POLES
- EXISTING CURB
- EXISTING STREET SIGN
- EXISTING HYDRANT
- EXISTING MANHOLE
- EXISTING FENCE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING STREET TREE TO REMAIN
- PROPOSED ASPHALT DRIVEWAY REPAIR
- PROPOSED SIDEWALK/CONC. APRON
- PROPOSED CURB/DROPCURB
- RESET CASTING
- PROPOSED MANHOLE
- RECONSTRUCT INLET
- PROPOSED INLET
- PROPOSED DECORATIVE SIDEWALK
- PROPOSED DECORATIVE STREET LIGHT
- PROPOSED TREE WELL & STREET TREE
- PROPOSED TOP & BOTTOM CURB SPOT ELEVATIONS
- PROPOSED ELEVATION DIFFERENTIAL BETWEEN EXISTING GRADE AND

TC 400.13
BC 399.63
(+2.0')



REVISIONS		DESCRIPTION
NO.	DATE	
1	9/25/25	Revised per NJDOT comments dated 9/19/25

CANOE BROOK PARKWAY IMPROVEMENT PROJECT
ENTIRE LENGTH
SOIL EROSION & SEDIMENT CONTROL PLAN

CITY OF SUMMIT UNION CO., N.J.
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512 SPRINGFIELD AVENUE
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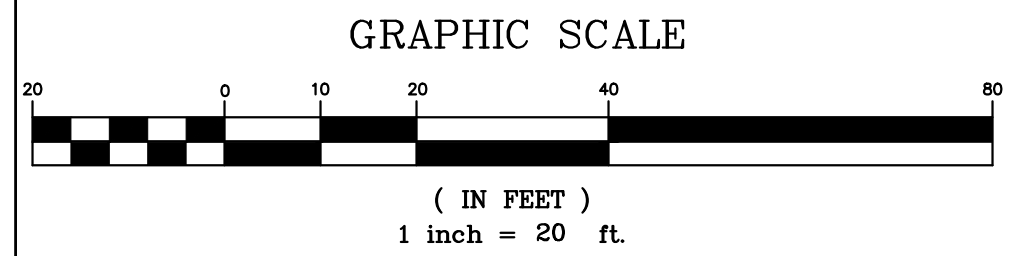
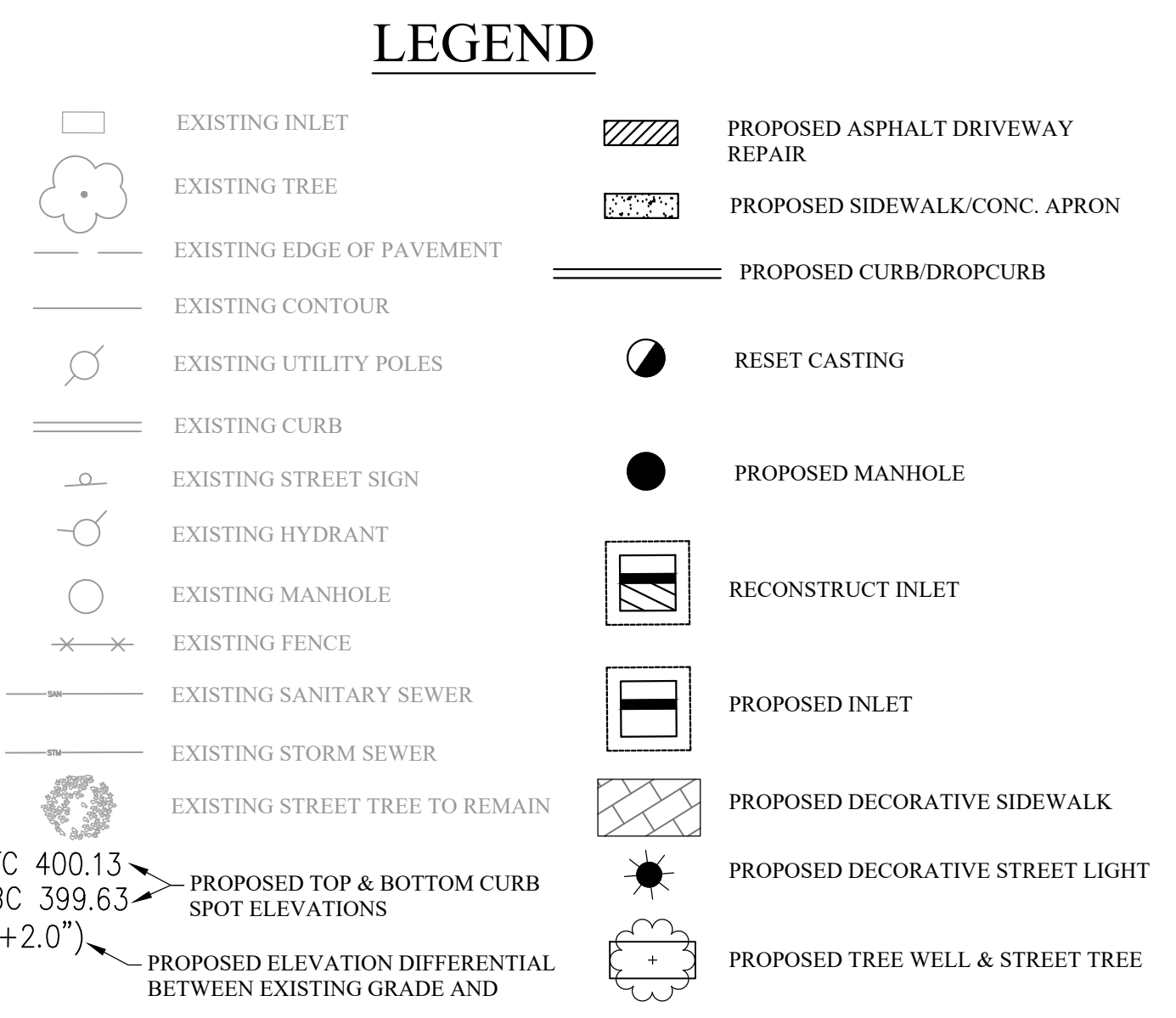
CITY OF SUMMIT
UNION COUNTY NEW JERSEY

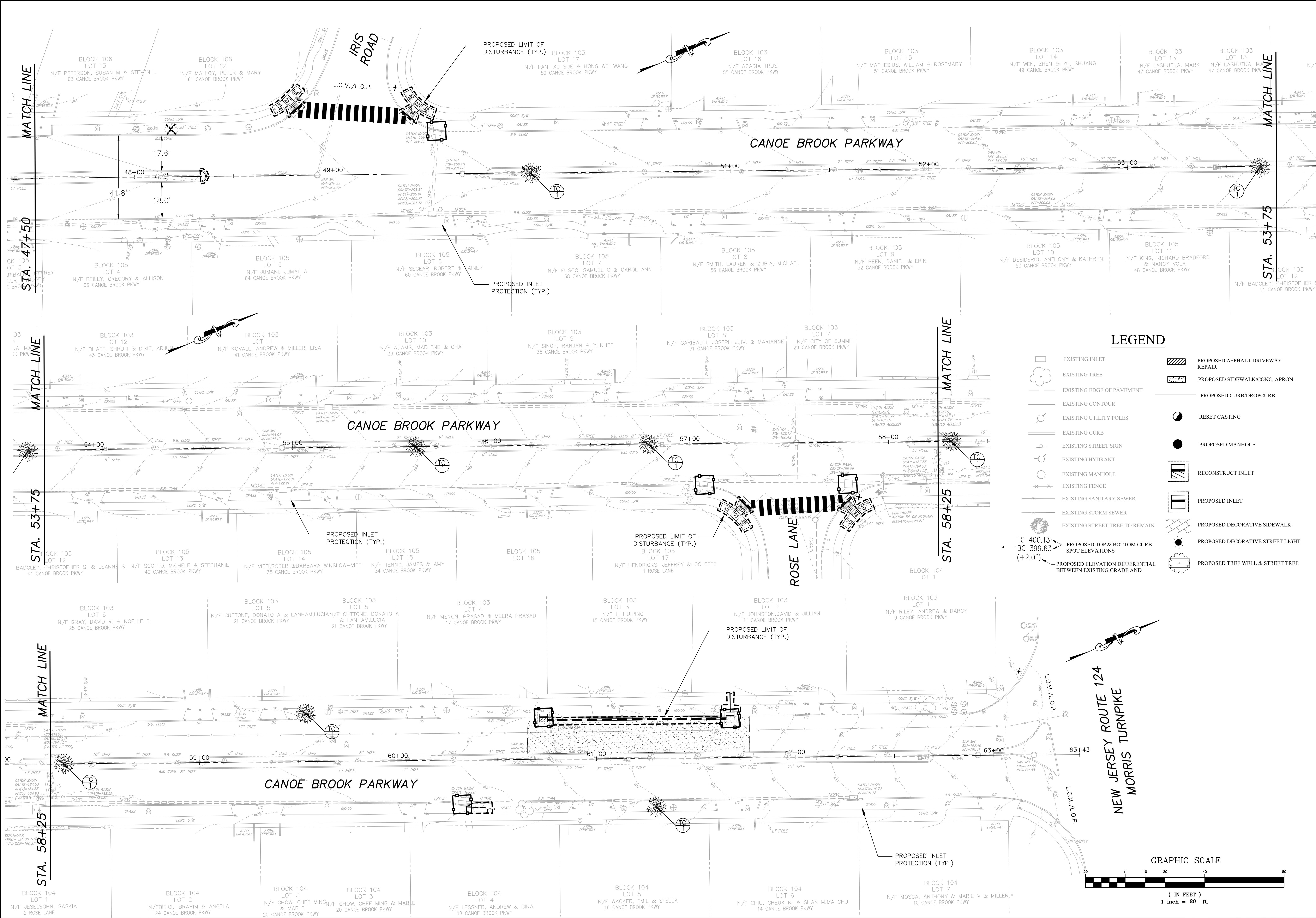
DATE:
9/12/2025

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BY: AJS

SCALE
1"=20'

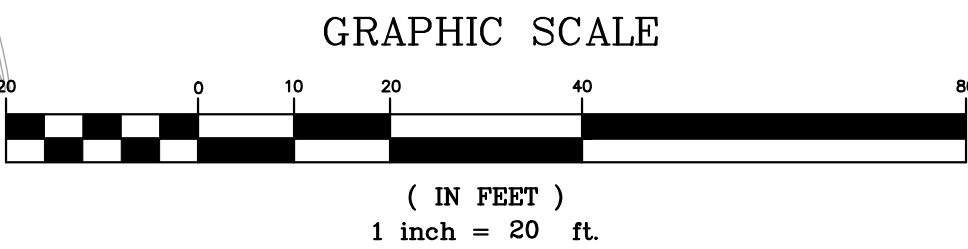
C-006

[illegible]



LEGEND

- EXISTING INLET
- EXISTING TREE
- EXISTING EDGE OF PAVEMENT
- EXISTING CONTOUR
- EXISTING UTILITY POLES
- EXISTING CURB
- EXISTING STREET SIGN
- EXISTING HYDRANT
- EXISTING MANHOLE
- EXISTING FENCE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING STREET TREE TO REMAIN
- PROPOSED ASPHALT DRIVEWAY REPAIR
- PROPOSED SIDEWALK/CONC. APRON
- PROPOSED CURB/DROPCURB
- RESET CASTING
- PROPOSED MANHOLE
- RECONSTRUCT INLET
- PROPOSED INLET
- PROPOSED DECORATIVE SIDEWALK
- PROPOSED DECORATIVE STREET LIGHT
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- PROPOSED ELEVATION DIFFERENTIAL BETWEEN EXISTING GRADE AND



REVISIONS	
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CANOE BROOK PARKWAY IMPROVEMENT PROJECT

ENTIRE LENGTH

SOIL EROSION & SEDIMENT CONTROL PLAN

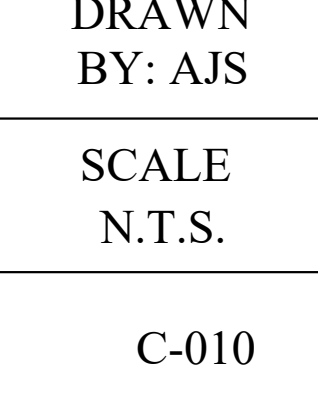
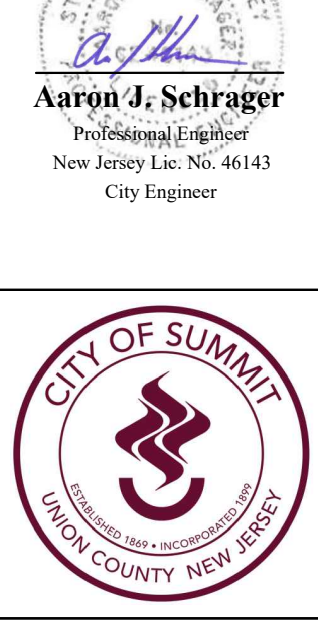
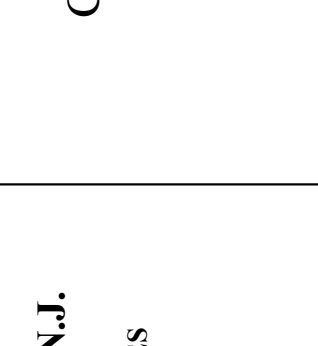
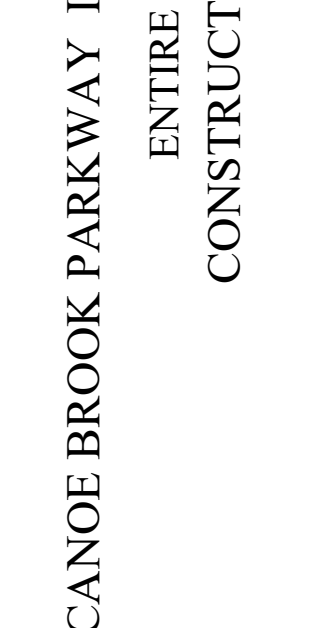
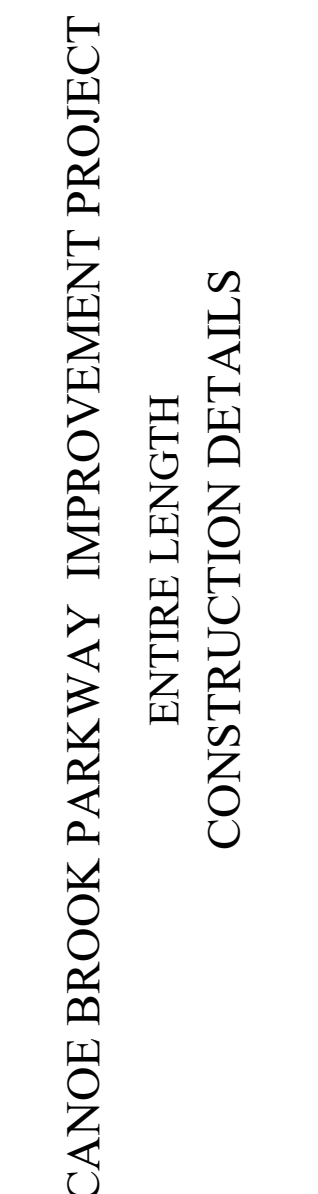
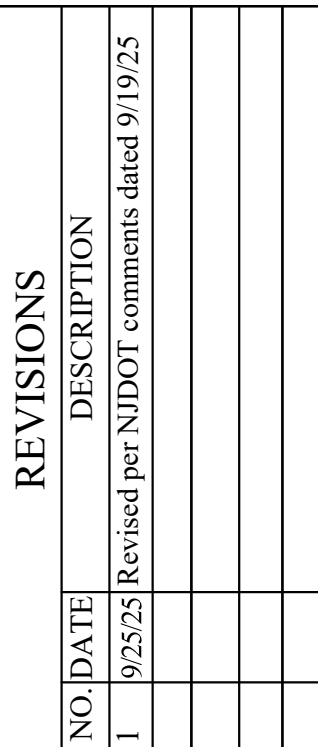
CITY OF SUMMIT UNION CO., N.J.
DIVISION OF ENGINEERING
 DEPARTMENT OF COMMUNITY SERVICES
 512 SPRINGFIELD AVENUE
 SUMMIT NJ 07901
 UNION COUNTY

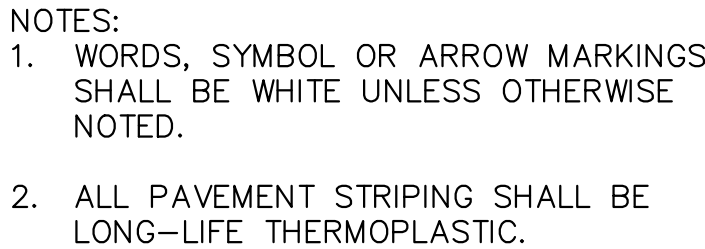
DATE:
9/12/2025

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AJS

SCALE
1"=20'

C-008

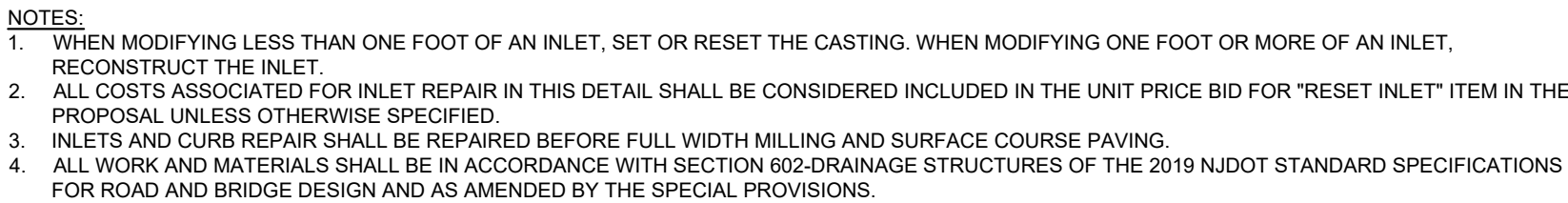




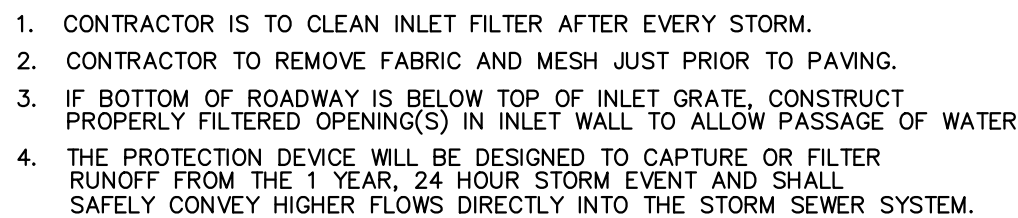
N.T.S.



- NOTES:
1. ALL PAVEMENT STRIPING & MARKINGS SHALL BE LONG-LIFE THERMOPLASTIC.
 2. NO SEPARATE PAYMENT SHALL BE MADE FOR THE INSTALLATION OF HMA SPEED HUMPS. ALL COSTS ASSOCIATED WITH SPEED HUMPS SHALL BE INCLUDED IN THE VARIOUS BID ITEMS FOR THE PROJECT WHILE THE COST OF ANY HMA USED SHALL BE PAID UNDER THE HMA SURFACE COURSE BID ITEM BASED ON THE TONNAGE LAID ACCORDING TO THE ASPHALT TICKETS.



N.T.:



N.T.S.

N.T.S.



CURB RAMP TYPE 5
(CROSSING PARALLEL TO HIGHWAY ONLY)

CURB RAMP TYPE 2, 5 OR 6	
H INCHES	W FEET
3	3
4	4
5	5
6	6
7	7
8	8
9	9

CURB RAMP TYPE 4

(GRASS BUFFER STRIP WITH
LANDING AREA REQUIRED)

CURB RAMP TYPE 4				
W FEET	H INCHES	Y INCHES	X2 FEET	L2 FEET
4.0	3	**	**	**
	4	**	**	**
	5	4.0	1	6
	6	4.0	2	8
	7	4.0	3	10
	8	4.0	4	12
	9	4.0	5	14



CURB RAMP TYPE 7

(SEE NOTE 7)

W FEET	H INCHES	X1 FEET	L1 FEET
4 MIN.	3	3	11
6 MAX.	4	4	13
	5	5	15
	6	6	17
	7	7	19
	8	8	21
	9	9	23

N.T.S



- NOTES:
1. TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND STANDARDS.
 2. PATTERN SHALL BE RUNNINGBOND AND COLOR SHALL BE TERRA COTTA RED. FINAL COLOR & PATTERN MUST BE SUBMITTED TO CITY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.



ThermoPrintHT
Aggregate Reinforced ThermoPlastic
Decorative Surfacing System

DETAIL OF DECORATIVE HIGH TRAFFIC PAVEMENT SURFACING (THERMOPRINT OR APPROVED EQUAL)
N.T.S.

TAG	SYMBOL	QUANTITY	LATIN NAME	COMMON NAME	SIZE	TYPE
TC		20	SYRINGA RETICULATA SUBSP. RETICULATA	JAPANESE TREE LILAC	2"-2.5" CAL.	B & B

PROPOSED PLANTING SCHEDULE

TAG	SYMBOL	QUANTITY	LATIN NAME	COMMON NAME	SIZE	TYPE
TC		20	SYRINGA RETICULATA SUBSP. RETICULATA	JAPANESE TREE LILAC	2"-2.5" CAL.	B & B

15

4.



DATE:
5/16/2025

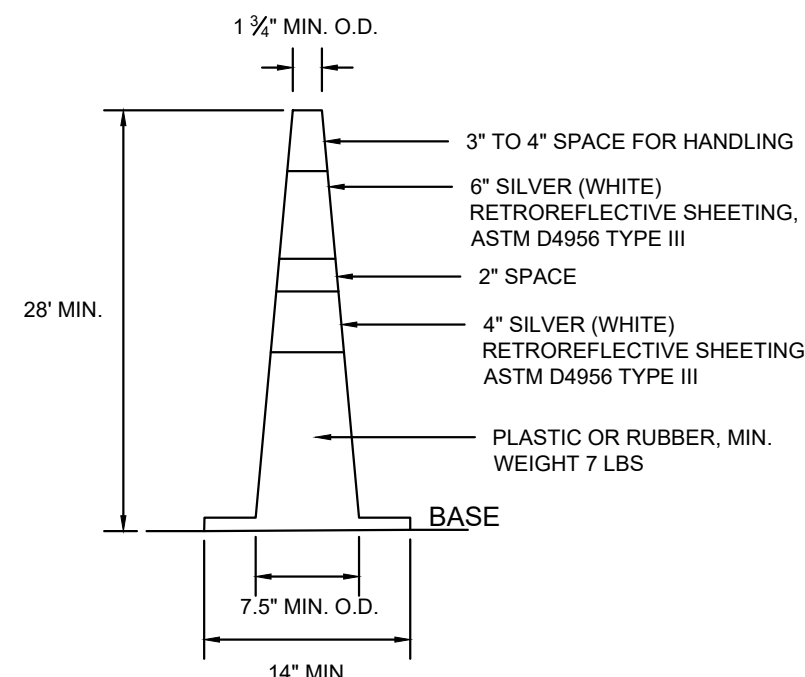
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BY: AJS

SCALE
N.T.S.

C-011



NOTES:
1. CONSTRUCTION STAGING AREAS ARE SUBJECT TO APPROVAL BY THE CITY OF SUMMIT AND INDIVIDUAL PROPERTY OWNER(S).
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING DETOUR PLANS, AS NEEDED, FOR REVIEW AND APPROVAL BY THE CITY OF SUMMIT POLICE DEPARTMENT PRIOR TO THE START OF ANY CONSTRUCTION.



- NOTES:
1. TRAFFIC CONES MUST BE PREDOMINATELY ORANGE IN COLOR.
 2. BASES MAY BE BREAKAWAY BALLASTED TYPE.
 3. MINOR MANUFACTURER'S VARIATIONS MAY BE ACCEPTABLE UPON APPROVAL OF THE RE.

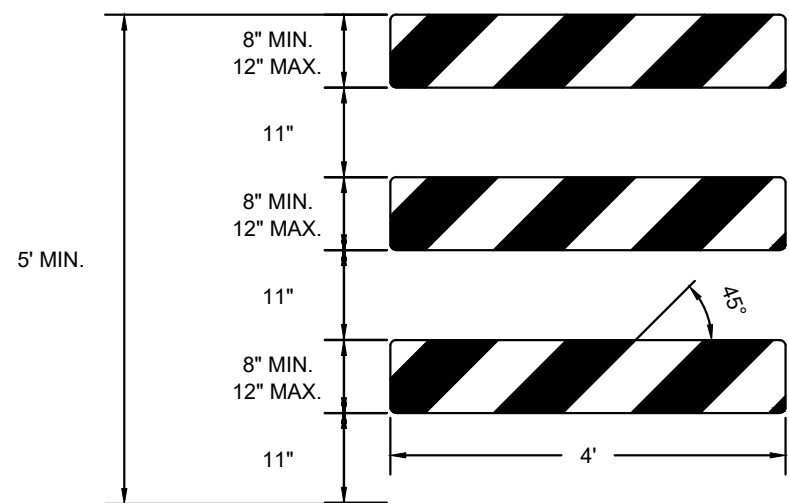
TRAFFIC CONES
N.T.S.



R11 - 2 [48" x 30"]
(10 S.F.)

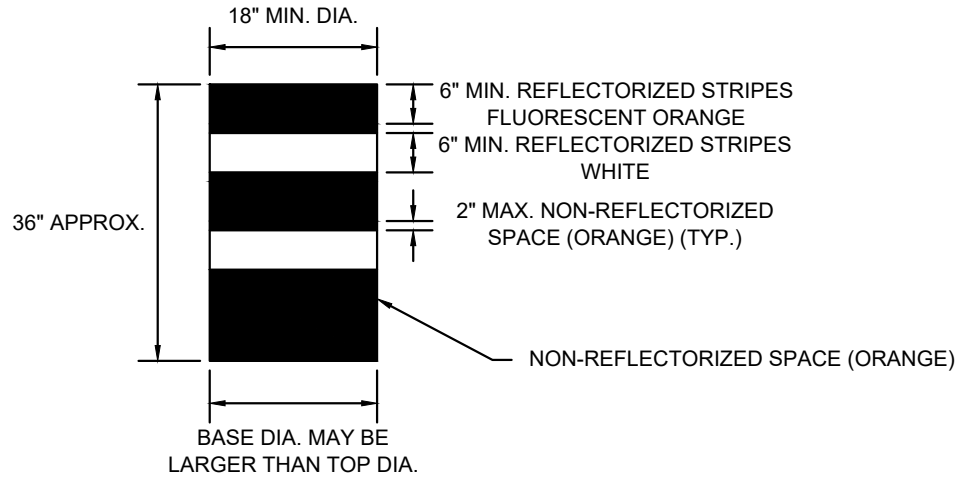


W20 - 1 [48" x 48"]
(16 S.F.)



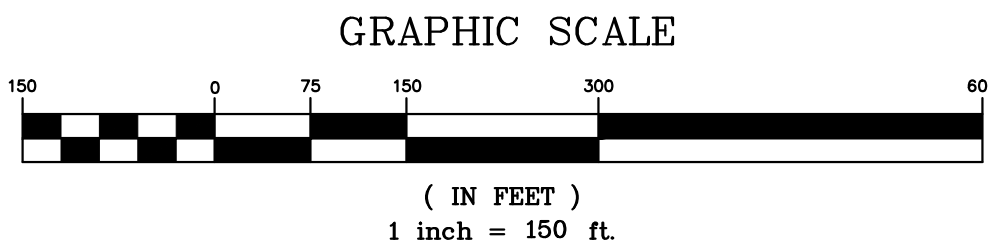
- NOTES:
1. ENSURE THE 8" MIN. x 48", TO 12" MAX. x 48" BARRICADE RAILS TO BE ATTACHED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
 2. ENSURE ORANGE AND SILVER (WHITE) STRIPED TO BE RETROREFLECTIVE SHEETING, ASTM D4956 TYPE III. ALTERNATE ORANGE AND SILVER (WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
 3. THE FRAMING, RAILS, AND BALLAST FOR BREAKAWAY BARRICADES TO BE NCHRP-350 CRASHED TESTED AND FHWA APPROVED.
 4. IF NECESSARY, FABRICATE THE BALLAST AND PLACE ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

BREAKAWAY BARRICADE TYPE III
N.T.S.



- NOTE:
1. ENSURE DRUMS ARE MADE OF ORANGE PLASTIC WITH A MINIMUM OF FOUR ALTERNATE FLUORESCENT ORANGE AND WHITE RETROREFLECTIVE STRIPES. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE STRIPES, THEY ARE TO BE NOMORE THAN 2" WIDE. ENSURE RETROREFLECTIVE SHEETING FOR STRIPES CONFORMS WITH ASTM D4956 TYPE VII OR VIII WITH S2 REQUIREMENTS.
 2. ENSURE THE TOP OF THE DRUM IS NOT OPEN. CONSTRUCT DRUMS TO INHIBIT ROLLING IF KNOCKED OVER.
 3. ENSURE THE REFLECTORIZED AREA OF DRUMS IS ROUND EXCEPT OTHER SHAPES, WHICH PROVIDE THE SAME VISIBILITY AS AN 18 INCH DIAMETER ROUND DRUM REGARDLESS OF ORIENTATION, MAY BE USED.
 4. WHEN BALLAST IS REQUIRED BY THE RE, USE SAND. THE MAXIMUM WEIGHT OF THE BALLAST IS 50 LBS, AND IS TO BE LOCATED APPROXIMATELY AT GROUND LEVEL. ALTERNATE TYPES OF BALLAST MUST BE APPROVED BY THE RE.

DRUMS
N.T.S.



REVISIONS	
NO.	DATE

CANOE BROOK PARKWAY IMPROVEMENT PROJECT
ENTIRE LENGTH
TRAFFIC CONTROL PLAN

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

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



DATE:
5/16/2025

DRAWN
BY: AJS

SCALE
1"=150'

C-012

GENERAL NOTES:

1. ADVANCE WARNING SIGNS DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED, AT DIRECTION OF THE DEPARTMENT, TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY.
2. THE APPROXIMATE LOCATIONS OF THE ILLUMINATED FLASHING ARROW BOARDS ARE SHOWN ON THE TRAFFIC CONTROL PLANS. THESE LOCATIONS MAY BE MODIFIED AS APPROVED BY RE TO ADJUST FOR VISIBILITY DUE TO HORIZONTAL OR VERTICAL CURVATURE OF THE ROADWAY OR TO POSITION AT A SAFER LOCATION. ILLUMINATED FLASHING ARROW BOARDS ARE TO BE USED FOR TEMPORARY LANE CLOSINGS AND AT LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLANS .
3. PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
4. RAMPS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-1F SIGN (ROAD WORK AS A MINIMUM.
5. ALL EXISTING ROAD SIGNS, PAVEMENT MARKINGS AND/OR PLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE PROPOSED TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED OR RELOCATED AS DIRECTED BY THE RE.
6. CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON EITHER THE EXISTING, TEMPORARY, OR PROPOSED TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR COVERED.
7. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - PART VI 'STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS.
8. CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) SHALL BE LOCATED 200 FEET IN ADVANCE OF PROJECT LIMITS.
9. A W1-6 (ARROW) SIGN MOUNTED ON A BREAKAWAY BARRICADE AND CENTERED ON THE CLOSED WIDTH SHALL BE LOCATED 100 FEET BEYOND EACH INTERSECTION OR MAIN ACCESS POINT WITHIN THE AREA OF A LANE OR SHOULDER CLOSURE.
10. CONSTRUCTION SIGNS R11-4 (ROAD CLOSED TO THRU TRAFFIC) SHALL BE PLACED AT THE INTERSECTING STREETS WHICH ARE CLOSED TO TRAFFIC BECAUSE OF CONSTRUCTION.
11. CONSTRUCTION SIGNS WB-9A (SYMBOL FOR UNEVEN PAVEMENT) AND W8-14A (GROOVED PAVEMENT) SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE AS DIRECTED BY THE RE.
12. MOVING WORK AREAS IN A LANE CLOSURE REQUIRE A TRAILER MOUNTED ILLUMINATED FLASHING ARROW TO REMAIN AT THE END OF THE TAPER, THE TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION THAT SHALL MOVE WITH THE WORK AREAS TO KEEP A 70 FEET MIN. AND 150 FEET MAX. BUFFER IN ADVANCE OF EACH WORK AREA.
13. THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SAFE ACCESS OF CONSTRUCTION VEHICLES THROUGHOUT THE WORK SITE WHERE SPACE CONSTRAINTS PREVENT THE USE OF LANE CLOSURES. THE PLAN SHALL BE SUBMITTED TO THE RE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
14. ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY SHALL BE BACKFILLED AND PLACED ON AT LEAST 6H : 1V SLOPE BEFORE THE END OF EACH WORK DAY. OTHER EXCAVATED AREA WITHIN THE CLEAR ZONE SHALL BE BACKFILLED.
15. WHERE REQUIRED, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN CROSSING LOCATIONS AND TYPE AS DIRECTED BY THE RE.
16. BITUMINOUS CONCRETE PLACED DURING THE VARIOUS CONSTRUCTION STAGES SHALL BE TRANSITIONED ON A MINIMUM 20H:1V SLOPE TO MEET THE ADJACENT EXISTING GRADE AT THE LONGITUDINAL AND TRANSVERSE LIMITS OF THE STAGE CONSTRUCTION AREAS UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.
17. THE PLACEMENT AND OR RELOCATION OF PRECAST CONCRETE CURB, CONSTRUCTION BARRIER SHALL BE DONE DURING APPROVED OFF-PEAK HOURS WHEN TRAFFIC MAY BE REDUCED TO ONE LANE IN EACH DIRECTION.
18. CONSTRUCTION ZONE SPEED LIMIT WILL BE DETERMINED BY THE TRAFFIC SIGNAL & SAFETY ENGINEERING, REGIONAL TRAFFIC ENGINEER - WORK ZONE, AT THE TIME OF OR DURING CONSTRUCTION, AS REQUESTED BY THE R.E..
19. THE SPEED LIMIT, R2-1 (BLACK ON WHITE) WITH ADDED WORK ZONE PLATE (BLACK ON ORANGE) SIGNS SHALL BE LOCATED THROUGH WORK AREAS AS DIRECTED BY THE TRAFFIC SIGNAL & SAFETY ENGINEERING REGIONAL TRAFFIC ENGINEER - WORK ZONE.
20. THE REDUCED SPEED AHEAD SIGN, W3-5(S) (BLACK ON ORANGE) SHALL BE LOCATED IN ADVANCE OF SPEED LIMIT R2-1 SIGNS WHICH REDUCE THE NORMAL POSTED SPEED LIMIT THROUGH THE CONSTRUCTION ZONE.
21. TRAFFIC FINES DOUBLED IN WORK AREA (RNJ5-17(S) , 4 FEET BY 2.5 FEET SIGN SHALL BE LOCATED 500 FEET AFTER THE FIRST ADVANCE WARNING SIGN. (W20 SERIES) AT EACH WORK AREA LOCATED WITHIN URBAN AREAS. THIS SIGN SHALL ALSO BE USED ON PROJECTS REQUIRING MOVING OPERATIONS IN WHICH CASE THE SIGN SHALL BE MOUNTED ON A SLOW MOVING CONSTRUCTION VEHICLE.
22. THE FINAL HMA SURFACE PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL THE FINAL STAGE OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE RE OR INDICATED ON THE PLANS. MANHOLES AND INLETS SHALL BE SET TO CORRECT GRADE AND TEMPORARY PAVEMENT RAMPS ARE TO BE CONSTRUCTED AROUND THEM WITH A MINIMUM 20H : 1V SLOPE IN ALL DIRECTIONS USING HOT MIX ASPHALT PAVEMENT. THIS TEMPORARY MATERIAL WILL BE REMOVED IMMEDIATELY PRIOR TO PLACING THE SURFACE COURSE.

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

24. CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE RE.

25. TRAFFIC IMPACT NOTICES AND CHANGES

A. TERMS:

WHEN THE FOLLOWING TERMS ARE USED, THE INTENT AND MEANING SHALL BE AS FOLLOWS:

- IMPACTS TO NORMAL TRAFFIC FLOW - WORK THAT REQUIRES A PORTION OF THE PAVED ROADWAY BEING BLOCKED OR CLOSED WITH SAFETY DEVICES OR VEHICLES, INCLUDING, BUT NOT LIMITED TO, FULL OR PARTIAL LANE CLOSURES, FULL OR PARTIAL RAMP CLOSURES, SHOULDER CLOSURES, MOVING OPERATIONS SUCH AS TRAFFIC STRIPING OR SWEEPING, LANE SHIFTS, OR ALTERNATING TRAFFIC. THIS APPLIES EVEN WHEN DETOURS ARE PROVIDED.

TEMPORARY LANE CLOSURES - WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC FLOW" WHICH IS ROUTINELY SET UP AND REMOVED ON A DAILY BASIS.

PERMANENT LANE CLOSURES - WORK DESCRIBED UNDER "IMPACTS TO NORMAL TRAFFIC FLOW" WHICH REMAINS IN PLACE CONTINUOUSLY FOR 24 HOURS OR MORE .

B. ADVANCE NOTICES

FOR THE INITIAL START OF WORK THAT REQUIRES "IMPACTS TO NORMAL TRAFFIC FLOW", THE CONTRACTOR SHALL NOTIFY THE R.E. IN WRITING OF THE PROPOSED DATE. THE NOTICE SHALL BE SUBMITTED AT LEAST TWENTY- EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, BEFORE THE PROPOSED DATE. START OF WORK THAT IMPACTS NORMAL TRAFFIC FLOW WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR SHALL CONFIRM, IN WRITING TO THE R.E., THE PROPOSED DATE SEVEN CALENDAR DAYS BEFORE STARTING THE ESTABLISHMENT OF THE TRAFFIC CONTROL MEASURES FOR THE TRAFFIC IMPACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE R.E. IF THE PROPOSED ESTABLISHMENT CAN NOT BE COMPLETED ON THE PROPOSED DATE.

FOR A "PERMANENT LANE CLOSURE", THE CONTRACTOR SHALL NOTIFY THE RE IN WRITING OF THE PROPOSED DATE A NEW TRAFFIC PATTERN WILL BE ESTABLISHED. THE NOTICE SHALL BE SUBMITTED AT LEAST TWENTY- EIGHT CALENDAR DAYS, BUT NOT MORE THAN SIXTY CALENDAR DAYS, IN ADVANCE OF THE PROPOSED DATE. START OF A NEW TRAFFIC PATTERN WILL NOT BE PERMITTED PRIOR TO THE DATE STATED IN THE NOTICE. THE CONTRACTOR SHALL CONFIRM, IN WRITING TO THE RE, THE PROPOSED DATE OF THE NEW TRAFFIC PATTERN SEVEN DAYS BEFORE STARTING TRAFFIC CONTROL MEASURES FOR THE ESTABLISHMENT OF THE NEW PATTERN. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RE IF THE PROPOSED ESTABLISHMENT CAN NOT BE COMPLETED ON THE PROPOSED DATE.

STARTING THE ESTABLISHMENT OF A NEW PERMANENT TRAFFIC PATTERN SHALL BEGIN NO EARLIER THAN 11:00 PM FRIDAY AND SHALL BE COMPLETED AND READY FOR OPERATIONS BY 6:00 PM THE FOLLOWING DAY. THE ESTABLISHMENT SHALL BE COMPLETED IN ACCORDANCE WITH THE LANE CLOSURE HOURS SPECIFIED IN THE CONTRACT.

ADVANCE NOTICES SENT PRIOR TO THE PRE-CONSTRUCTION MEETING SHALL BE ADDRESSED TO THE CONTACT PERSON AS SPECIFIED IN SUBSECTION 101.04 OF THE SPECIAL PROVISIONS.

C. PROGRESS NOTICES

ALL IMPACTS TO NORMAL TRAFFIC FLOW" SCHEDULED FOR THE SEVEN DAY PERIOD STARTING ON THE FOLLOWING MONDAY SHALL BE SUBMITTED TO THE R.E. IN WRITING BY 9:00 AM OF EACH FRIDAY.

EACH DAY OF "TEMPORARY LANE CLOSURES" SHALL BE SUBMITTED TO THE R.E. IN WRITING BY 9:00 AM THE DAY IN ADVANCE OF THE START OF THOSE OPERATIONS.

"TEMPORARY LANE CLOSURES" FOR WEEKENDS SHALL BE SUBMITTED TO THE R.E. IN WRITING BY 9:00 AM ON THE IMMEDIATELY PRECEDING FRIDAY.

D. CHANGES TO THE SCHEDULED CLOSURES

REQUEST FOR A CHANGE TO THE TRAFFIC CONTROL REQUIREMENTS IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING TO THE R.E. AS FOLLOWS:

CHANGES TO THE SCHEDULED HOURS FOR "TEMPORARY LANE CLOSURES" SHALL BE SUBMITTED TO THE R.E. AT LEAST SEVEN CALENDAR DAYS IN ADVANCE OF WHEN THE CHANGE IS PROPOSED TO START.

OTHER PROPOSED CHANGES TO "TEMPORARY LANE CLOSURES" AND ALL CHANGES TO "PERMANENT LANE CLOSURES" SHALL BE SUBMITTED TO THE RE AS SPECIFIED IN THE SPECIFICATIONS.

GENERAL NOTES

1. DIMENSIONS, COLORS, AND DETAILS OF VARIOUS SIZE SIGNS AND ACCESSORY PANELS TO FOLLOW STANDARDS IN THE CURRENT "STANDARD HIGHWAY SIGN PUBLICATION" AND THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
- (S) REPRESENTS A SPECIAL SIZE SIGN.
- LETTERS AND NUMERALS TO CONFORM TO THE CURRENT MANUAL, "STANDARD ALPHABETS FOR HIGHWAY SIGNS" U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
- OBTAIN RE'S APPROVAL FOR THE DISTANCE TO BE USED ON THE ADVANCE WARNING SIGNS AND FOR THE SPEED LIMIT TO BE USED ON THE R2-1 SIGN.
- DISTANCE LEGEND: SIGN NUMBER FOLLOWED BY A LETTER AND DISTANCE. ARE THE SIGN PLACEMENTS FOR USE WITH TCD-3 THROUGH TCD-21 AND PROJECT SPECIFIC PLANS. ALL DISTANCES ARE FROM THE TRANSITION OR POINT OF RESTRICTION.
- | | |
|--------|-------------|
| LETTER | DISTANCE |
| A | 1500' |
| B | 1000' |
| C | 500' |
| D | MILE |
| E | MILES AHEAD |
| F | AHEAD |

BACKING MATERIAL

1. USE ALUMINUM FLAT SHEET OF ALLOY AND TEMPER 5052-H38 OR 6061-T6:

A. 0.10" THICK FOR ALL CONSTRUCTION SIGNS EXCEPT SIGNS SHOWN MOUNTED ON BREAKAWAY BARRICADES.

B. 0.024" THICK FOR ALL CONSTRUCTION SIGNS SHOWN MOUNTED ON BREAKAWAY BARRICADES.
- TEMPORARY SIGN SUPPORTS
1. USE WELL SEASONED LUMBER FOR SIGN SUPPORTS, FREE OF SPLITS, KNOTS AND WARPS, OR OF STEEL COMPONENTS.
2. WOOD POSTS TO HAVE A UNIFORM CROSS-SECTION AND NOT TO EXCEED THE FOLLOWING DIMENSIONS FOR:

SINGLE POST = 4" x 6"

TWO POSTS = 3" x 6" OR 4" x 5"

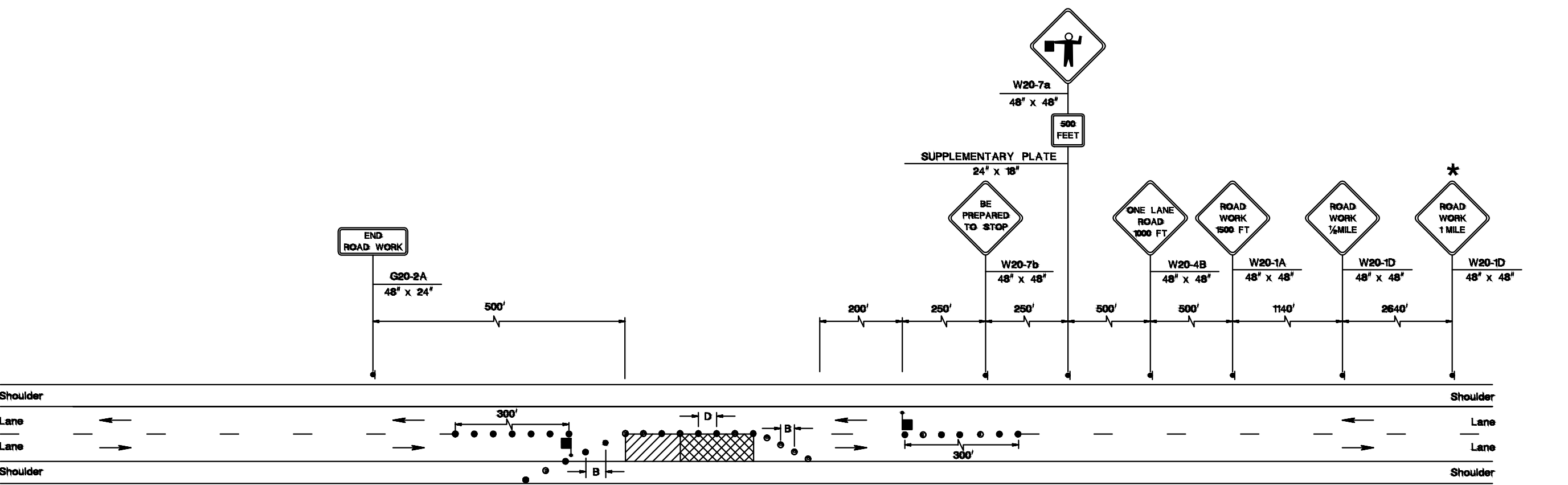
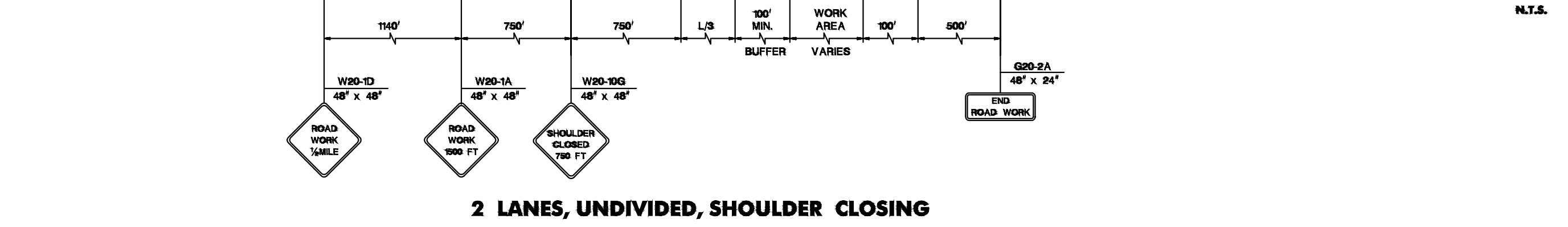
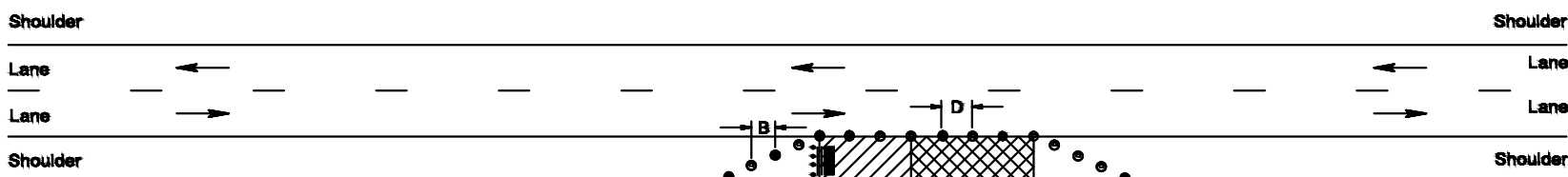
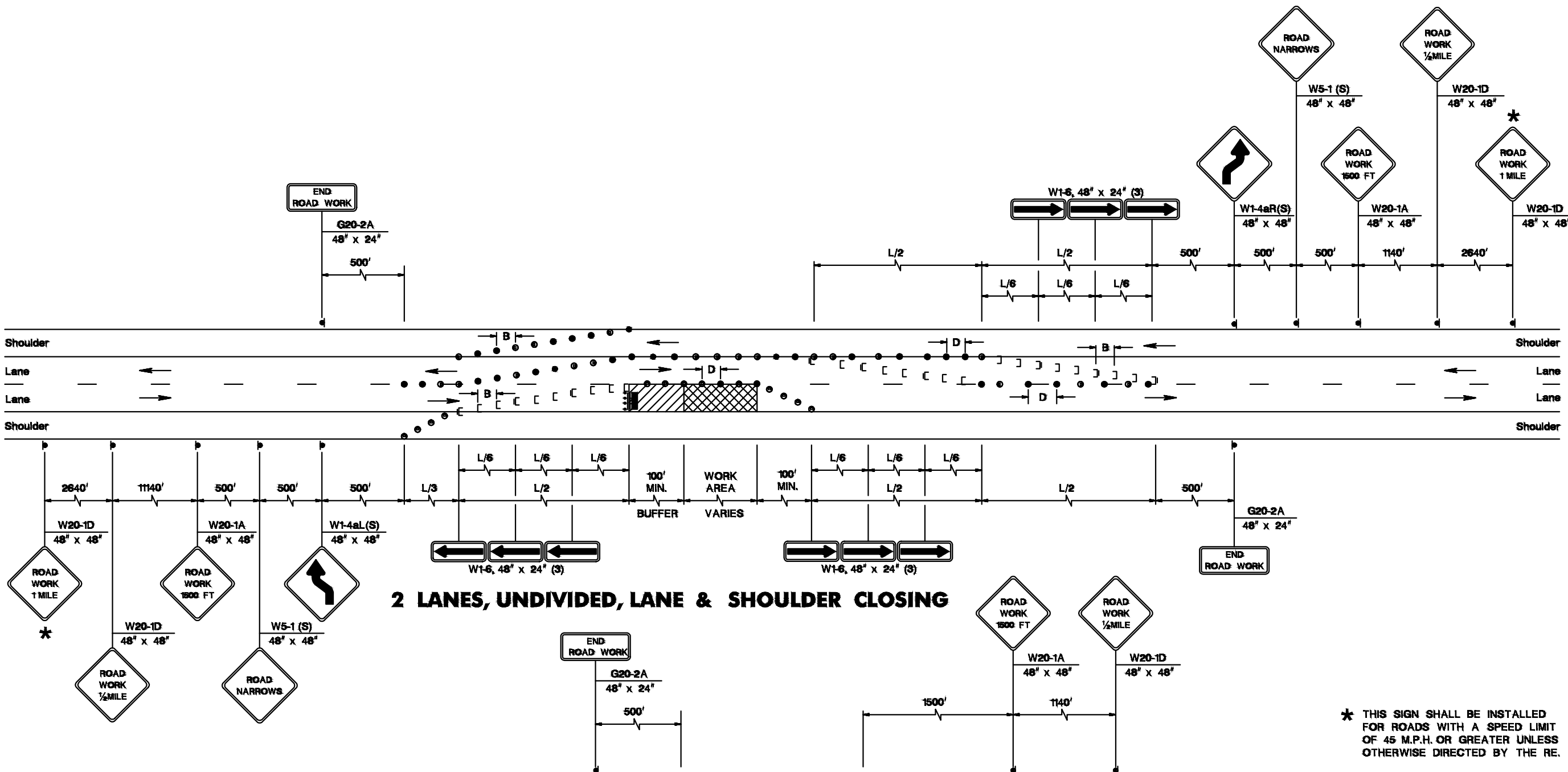
THREE POSTS = 3" x 5" OR 4" x 4"
3. NO BRACING IS PERMITTED. VERTICAL CLEARANCES FOR SIGNS MOUNTED ON WOOD SUPPORTS TO BE 7 FOOT MINIMUM. EMBEDMENT DEPTH FOR THE WOOD POST NOT TO EXCEED 3.5 FEET.
4. USE STEEL POSTS IN ACCORDANCE WITH THE STANDARD DETAIL FOR U-POST SIGN SUPPORT.
5. TEMPORARY SIGN SUPPORTS NOT MEETING THIS CRITERIA TO BE SHIELDED BY A LONGITUDINAL BARRIER OR CRASH CUSHIONS.
6. USE WOOD POST ONLY ON TEMPORARY SIGN SUPPORT.

SIGN FACES

1. USE SIGN FACES OF ASTM D4956 TYPE VII OR VIII FLUORESCENT ORANGE SHEETING.

FASTENING

1. SECURELY FASTEN ALL SIGNS TO THEIR SUPPORTS WITH BOLTS, NUTS, AND WASHERS, AS SPECIFIED.



THIS SIGN SHALL BE INSTALLED FOR ROADS WITH A SPEED LIMIT OF 45 M.P.H. OR GREATER UNLESS OTHERWISE DIRECTED BY THE RE.

NOTE: SEE RECOMMENDED TAPER LENGTH AND SPACING TABLE ON SHEET TCD-3 FOR VALUES OF L, B AND D.

CANOE BROOK PARKWAY IMPROVEMENT PROJECT
ENTIRE LENGTH
TRAFFIC CONTROL NOTES & DETAILS

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

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

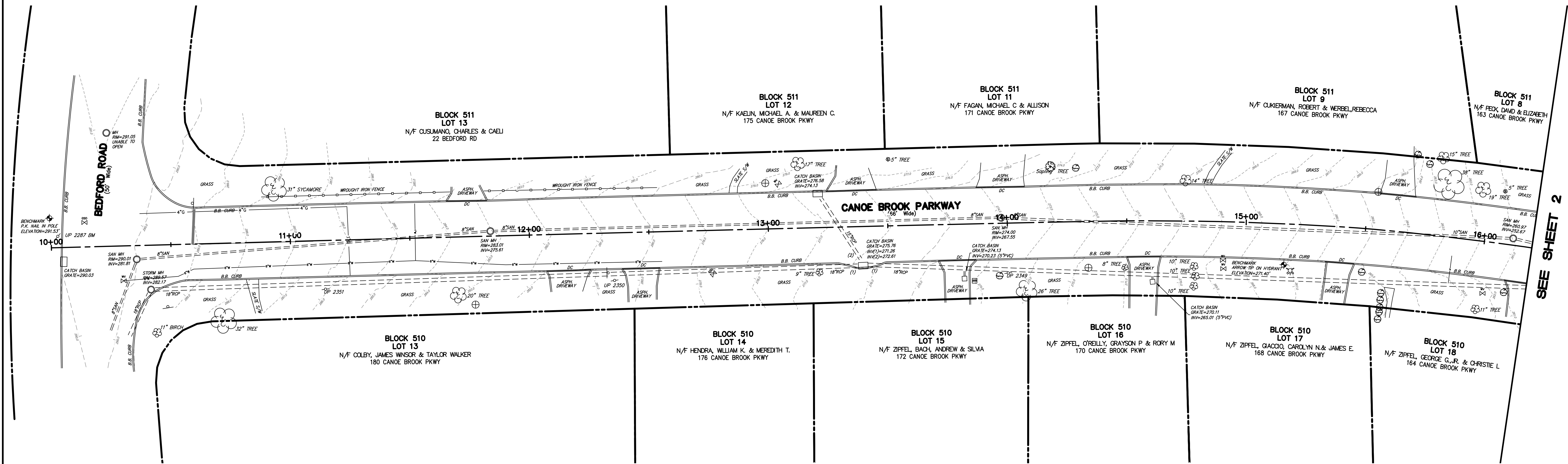


DATE:
5/16/2025

DRAWN
BY: AJS

SCALE
N.T.S.

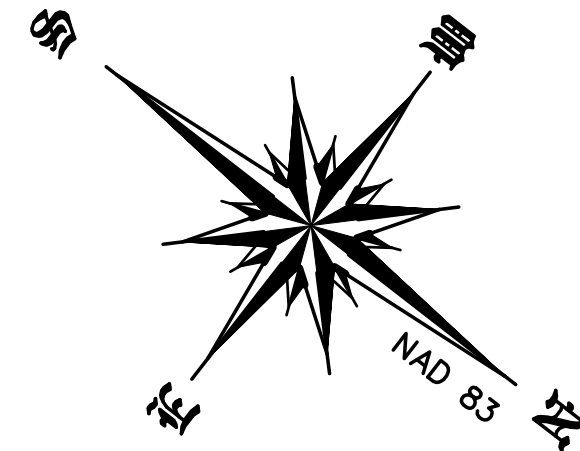
C-013



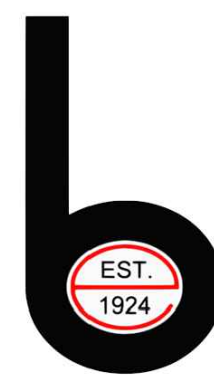
SEE SHEET 2

- PLAN LEGEND:**
- | | | | |
|----|------------------------|--|-----------------------|
| DC | DEPRESSED CURB | | ELECTRIC MANHOLE |
| | UTILITY POLE | | TELEPHONE MANHOLE |
| | FIRE HYDRANT | | INLET |
| | WATER VALVE | | TREE |
| | GAS VALVE | | SHRUB |
| | SIGN | | IRRIGATION CONTROL |
| | LIGHT | | SPOT GRADE |
| | CLEAN OUT | | ELECTRIC JUNCTION BOX |
| | BENCHMARK | | |
| | GAS MARKOUT | | |
| | WATER MARKOUT | | |
| | MAJOR CONTOUR INTERVAL | | |
| | MINOR CONTOUR INTERVAL | | |

- NOTES:**
- HORIZONTAL DATUM: NAD 1983.
 - VERTICAL DATUM: NAVD 1988 PER CITY OF SUMMIT AERIAL MAPPING CONTROL POINT NO. 2221
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 - EXISTING RIGHT OF WAY LINES ON SIDE STREETS AND PROPERTY LINES ARE APPROXIMATE BASED ON AVAILABLE GIS MAPPING.



NO.	DATE	DESCRIPTION	SURVEYED BY	DRAWN BY	DESIGNED BY	CHECKED BY



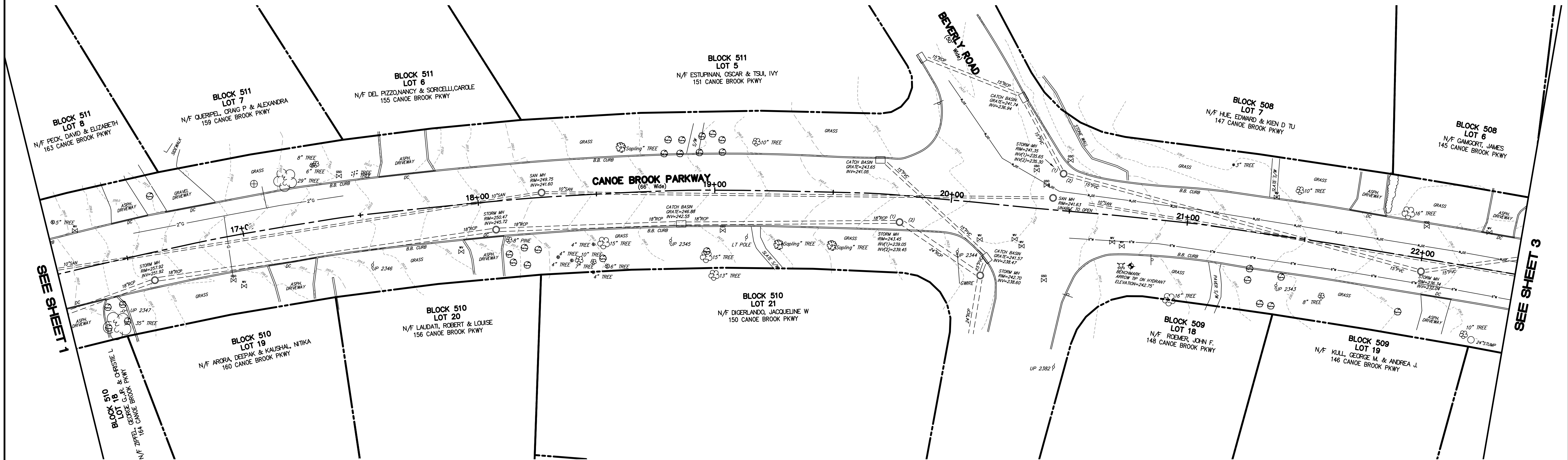
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ENGINEERS - PLANNERS - SURVEYORS - SCIENTISTS
330 PHILLIPS AVENUE, SOUTH HACKENSACK, NJ 07606
TEL: (201) 641-0770 • FAX: (201) 641-1831
N.J. CERTIFICATE OF AUTHORIZATION No. 24GA27958000

FRANK M. KRUPINSKI

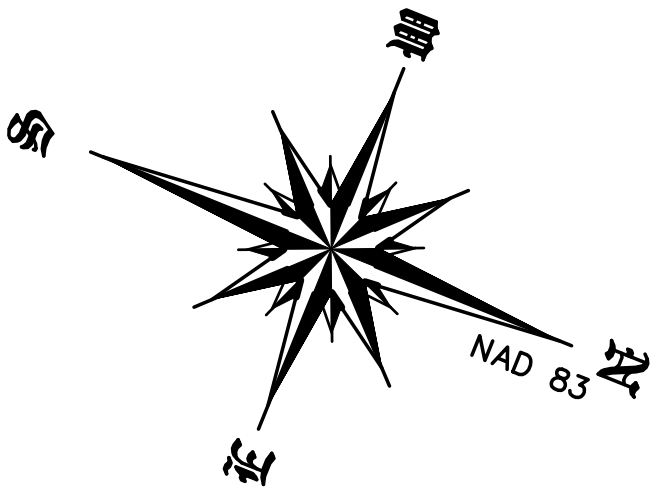
PROFESSIONAL LAND SURVEYOR N.J. LIC. 24GS03719700

EXISTING CONDITIONS PLAN					
CANOE BROOK PARKWAY					
CITY OF SUMMIT					
UNION COUNTY			NEW JERSEY		
SURVEYED BY: R.R.	DESIGNED BY: —	SCALE: 1"=20'	JOB NO. SU-146	DATE: 10-15-23	
DRAWN BY: EJE	CHECKED BY: FRK				
DRAWING NO. SU-146-TS					
SHEET 1 of 9					

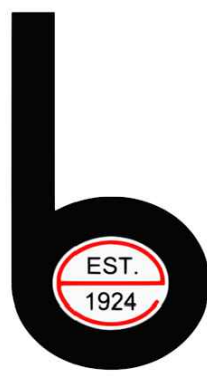


- PLAN LEGEND:**
- | | | | |
|----|------------------------|--|-----------------------|
| DC | DEPRESSED CURB | | ELECTRIC MANHOLE |
| | UTILITY POLE | | TELEPHONE MANHOLE |
| | FIRE HYDRANT | | INLET |
| | WATER VALVE | | TREE |
| | GAS VALVE | | SHRUB |
| | SIGN | | IRRIGATION CONTROL |
| | LIGHT | | SPOT GRADE |
| | CLEAN OUT | | ELECTRIC JUNCTION BOX |
| | BENCHMARK | | |
| | GAS MARKOUT | | |
| | WATER MARKOUT | | |
| | MAJOR CONTOUR INTERVAL | | |
| | MINOR CONTOUR INTERVAL | | |

- NOTES:**
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 5. EXISTING RIGHT OF WAY LINES ON SIDE STREETS AND PROPERTY LINES ARE APPROXIMATE BASED ON AVAILABLE GIS MAPPING.



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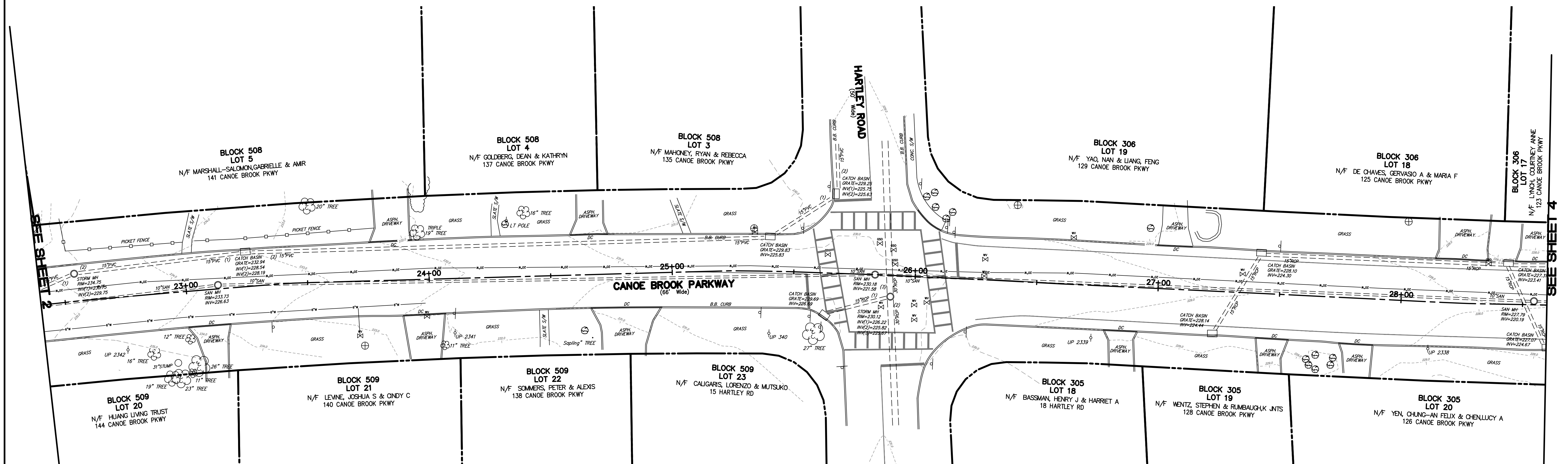
EXISTING CONDITIONS PLAN

CANOE BROOK PARKWAY
CITY OF SUMMIT

UNION COUNTY NEW JERSEY

SURVEYED BY: RLR	DESIGNED BY: ---	SCALE: 1"=20'	JOB NO. SU-146	DATE: 10-15-23
DRAWN BY: EJE	CHECKED BY: FRK			

DRAWING NO. SU-146-TS SHEET 2 of 9

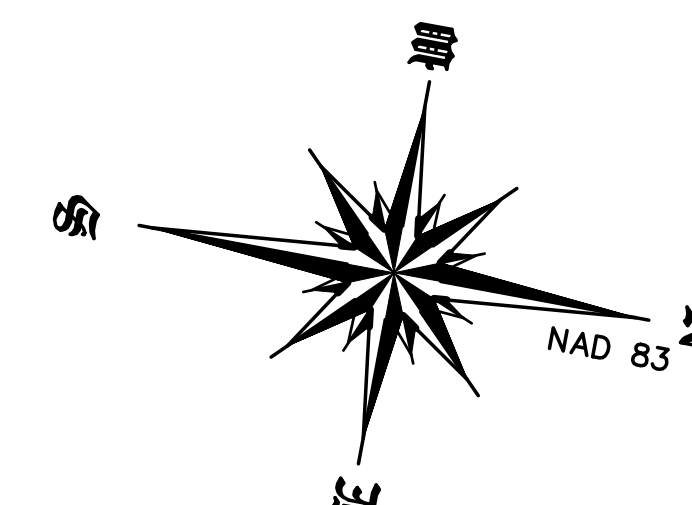


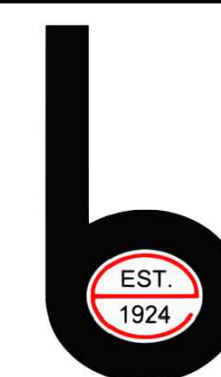
PLAN LEGEND:

DC	DEPRESSED CURB		ELECTRIC MANHOLE
	UTILITY POLE		TELEPHONE MANHOLE
	FIRE HYDRANT		INLET
	WATER VALVE		TREE
	GAS VALVE		SHRUB
	SIGN		IRRIGATION CONTROL
	LIGHT		SPOT GRADE
	CLEAN OUT		ELECTRIC JUNCTION BOX
	BENCHMARK		
	GAS MARKOUT		
	WATER MARKOUT		
	MAJOR CONTOUR INTERVAL		
	MINOR CONTOUR INTERVAL		

NOTES:

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FRANK M. KRUPINSKI

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EXISTING CONDITIONS PLAN

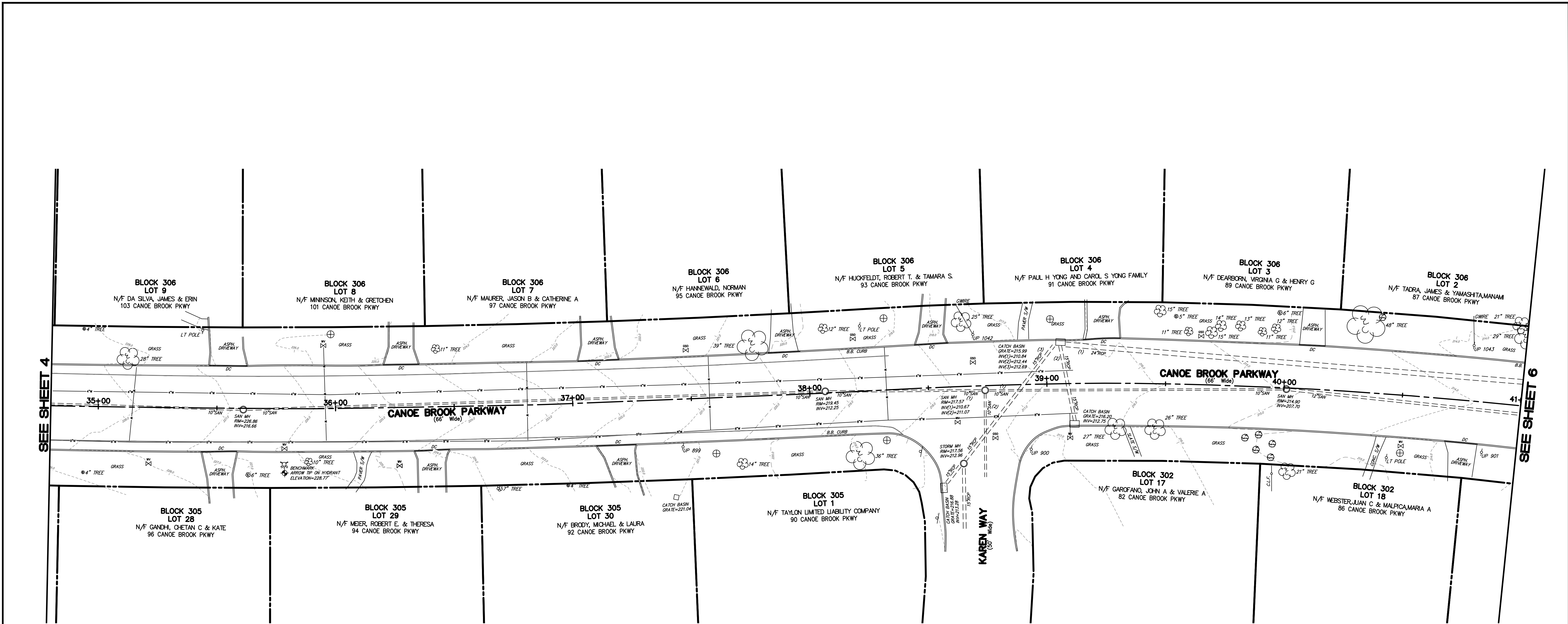
CANOE BROOK PARKWAY
CITY OF SUMMIT

UNION COUNTY	NEW JERSEY
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SURVEYED BY: R.R.R.	DESIGNED BY: ---	SCALE:	JOB NO.	DATE:
DRAWN BY: EAE	CHECKED BY: FMK	1"=20'	SU-146	10-13-23

DRAWING NO. SU-146-TS

SHEET 3 OF 9

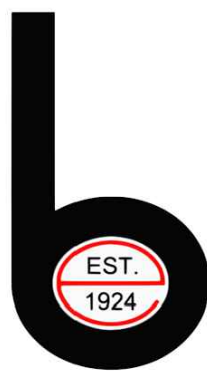


- PLAN LEGEND:**
- | | | | |
|----|------------------------|--|-----------------------|
| DC | DEPRESSED CURB | | ELECTRIC MANHOLE |
| | UTILITY POLE | | TELEPHONE MANHOLE |
| | FIRE HYDRANT | | INLET |
| | WATER VALVE | | TREE |
| | GAS VALVE | | SHRUB |
| | SIGN | | IRRIGATION CONTROL |
| | LIGHT | | SPOT GRADE |
| | CLEAN OUT | | ELECTRIC JUNCTION BOX |
| | BENCHMARK | | |
| | GAS MARKOUT | | |
| | WATER MARKOUT | | |
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| | MINOR CONTOUR INTERVAL | | |



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FRANK M. KRUPINSKI

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EXISTING CONDITIONS PLAN

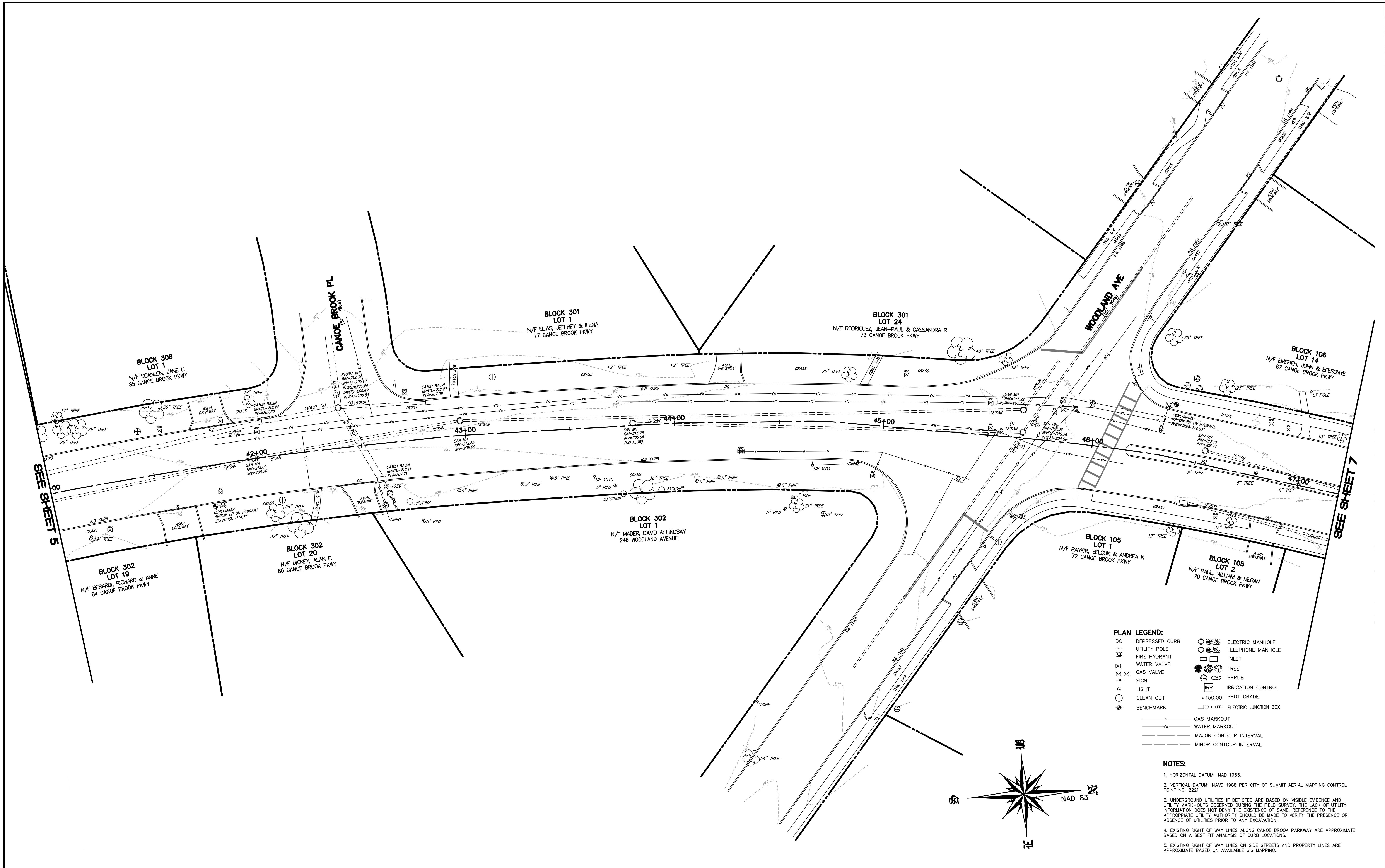
CANOE BROOK PARKWAY
CITY OF SUMMIT

UNION COUNTY NEW JERSEY

SURVEYED BY: R.R.	DESIGNED BY: ---	SCALE: 1"=20'	JOB NO. SU-146	DATE: 10-15-23
DRAWN BY: EJE	CHECKED BY: FRK			

DRAWING NO. SU-146-TS

SHEET 5 of 9

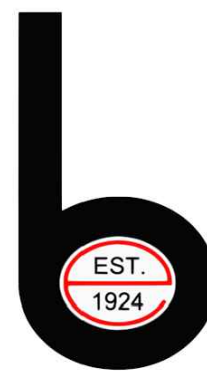


PLAN LEGEND:

DC	DEPRESSED CURB		ELECTRIC MANHOLE
	UTILITY POLE		TELEPHONE MANHOLE
	FIRE HYDRANT		INLET
	WATER VALVE		TREE
	GAS VALVE		SHRUB
	SIGN		IRRIGATION CONTROL
	LIGHT		SPOT GRADE
	CLEAN OUT		ELECTRIC JUNCTION BOX
	BENCHMARK		
	GAS MARKOUT		
	WATER MARKOUT		
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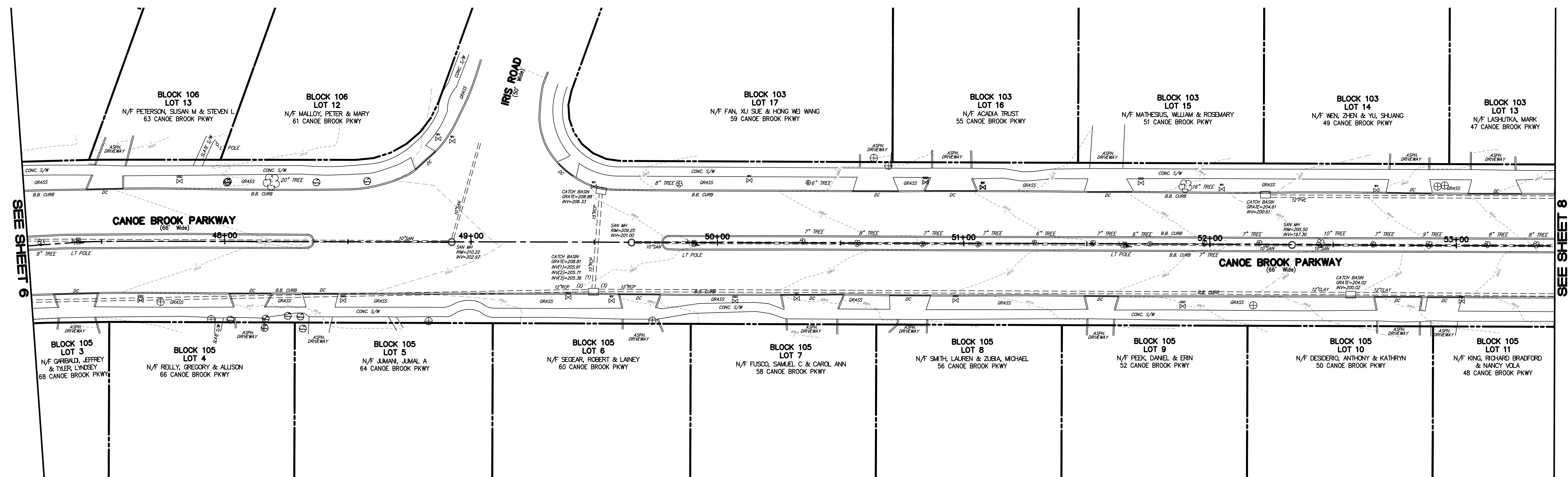
EXISTING CONDITIONS PLAN

CANOE BROOK PARKWAY
CITY OF SUMMIT

UNION COUNTY NEW JERSEY

SURVEYED BY: R.R.	DESIGNED BY: —	SCALE: 1"=20'	JOB NO. SU-146	DATE: 10-13-23
DRAWN BY: J.E.	CHECKED BY: F.M.K.			

DRAWING NO. SU-146-TS SHEET 6 OF 9

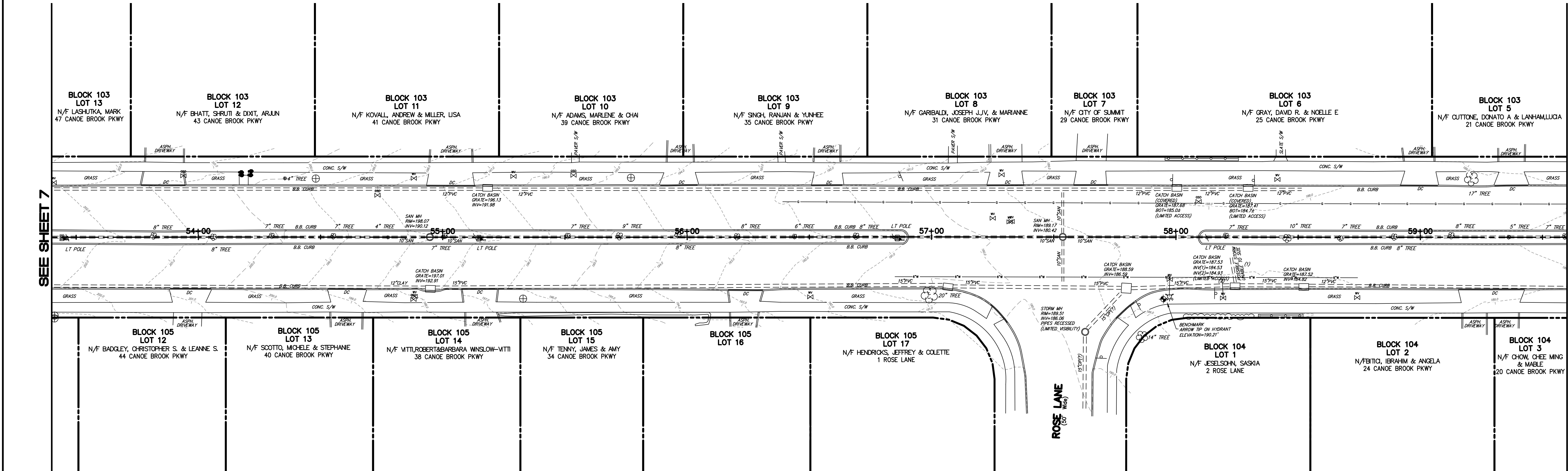


SEE SHEET 8

NOTES:

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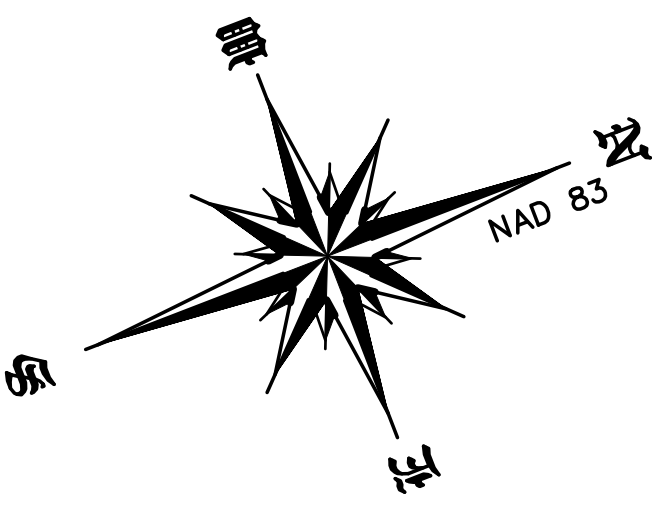
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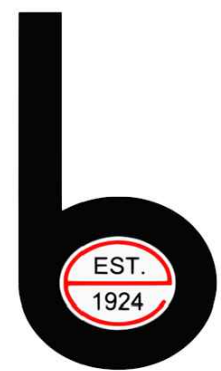
PLAN LEGEND:

DC	DEPRESSED CURB		ELECTRIC MANHOLE
	UTILITY POLE		TELEPHONE MANHOLE
	FIRE HYDRANT		INLET
	WATER VALVE		TREE
	GAS VALVE		SHRUB
	SIGN		IRRIGATION CONTROL
	LIGHT		SPOT GRADE
	CLEAN OUT		ELECTRIC JUNCTION BOX
	BENCHMARK		
	GAS MARKOUT		
	WATER MARKOUT		
	MAJOR CONTOUR INTERVAL		
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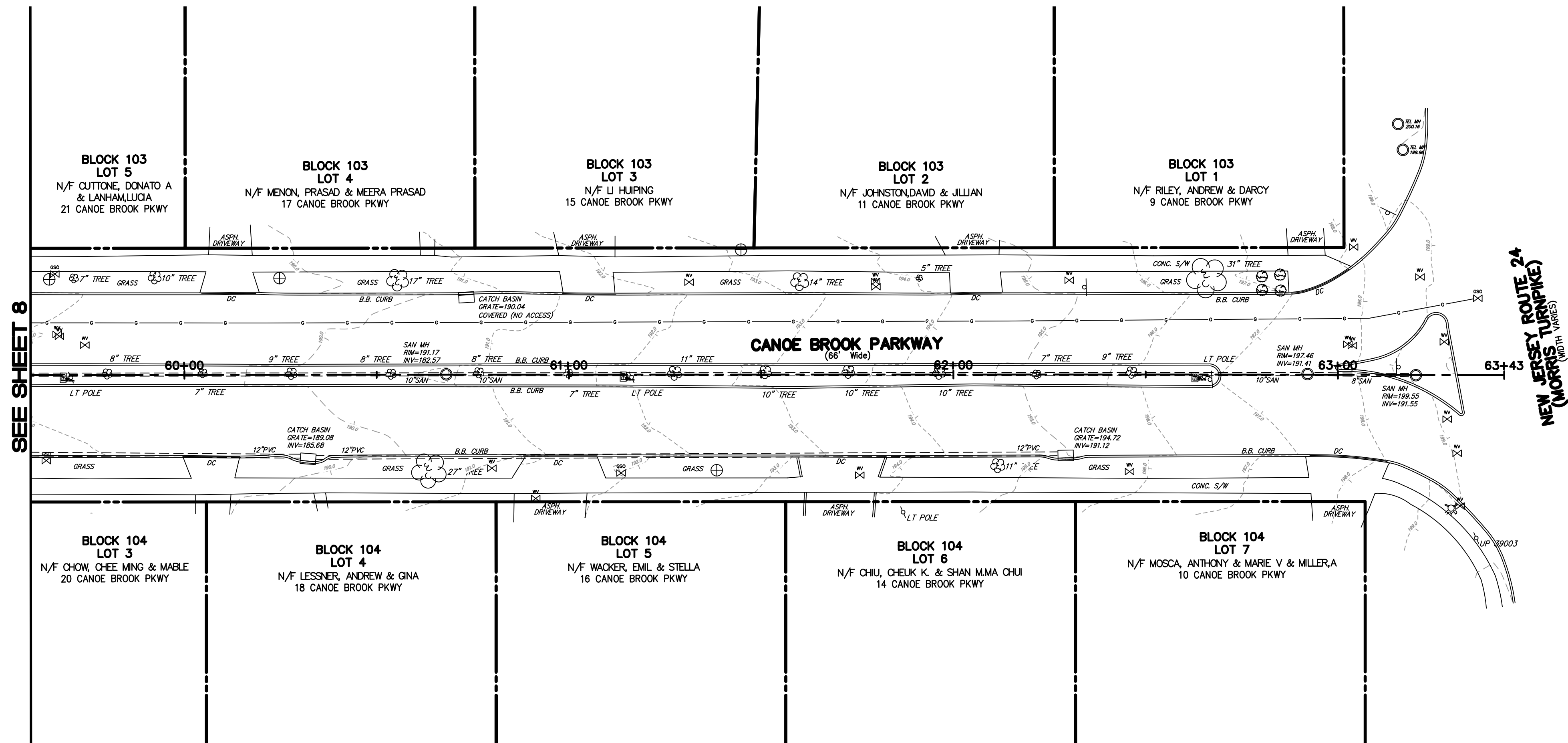
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N.J. CERTIFICATE OF AUTHORIZATION No. 24GA27958000

FRANK M. KRUPINSKI

PROFESSIONAL LAND SURVEYOR N.J. LIC. 24GS03719700

EXISTING CONDITIONS PLAN				
CANOE BROOK PARKWAY				
CITY OF SUMMIT				
UNION COUNTY		NEW JERSEY		
SURVEYED BY: R.R.	DESIGNED BY: ---	SCALE: 1"=20'	JOB NO. SU-146	DATE: 10-15-23
DRAWN BY: EZE	CHECKED BY: FRK			
DRAWING NO. SU-146-TS				
SHEET 8 of 9				



SEE SHEET 8

NEW JERSEY ROUTE 24
(MORRIS TURNPIKE)
(NORTH)

- PLAN LEGEND:**
- | | | | |
|----|------------------------|--|-----------------------|
| DC | DEPRESSED CURB | | ELECTRIC MANHOLE |
| | UTILITY POLE | | TELEPHONE MANHOLE |
| | FIRE HYDRANT | | INLET |
| | WATER VALVE | | TREE |
| | GAS VALVE | | SHRUB |
| | SIGN | | IRRIGATION CONTROL |
| | LIGHT | | SPOT GRADE |
| | CLEAN OUT | | 150.00 SPOT GRADE |
| | BENCHMARK | | ELECTRIC JUNCTION BOX |
| | GAS MARKOUT | | |
| | WATER MARKOUT | | |
| | MAJOR CONTOUR INTERVAL | | |
| | MINOR CONTOUR INTERVAL | | |

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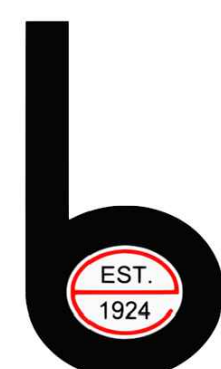
EXISTING CONDITIONS PLAN

CANOE BROOK PARKWAY
CITY OF SUMMIT

UNION COUNTY NEW JERSEY

SURVEYED BY: R.R.	DESIGNED BY: ---	SCALE: 1"=20'	JOB NO. SU-146	DATE: 10-15-23
DRAWN BY: EZE	CHECKED BY: FMK			

DRAWING NO. SU-146-TS SHEET 9 OF 9



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