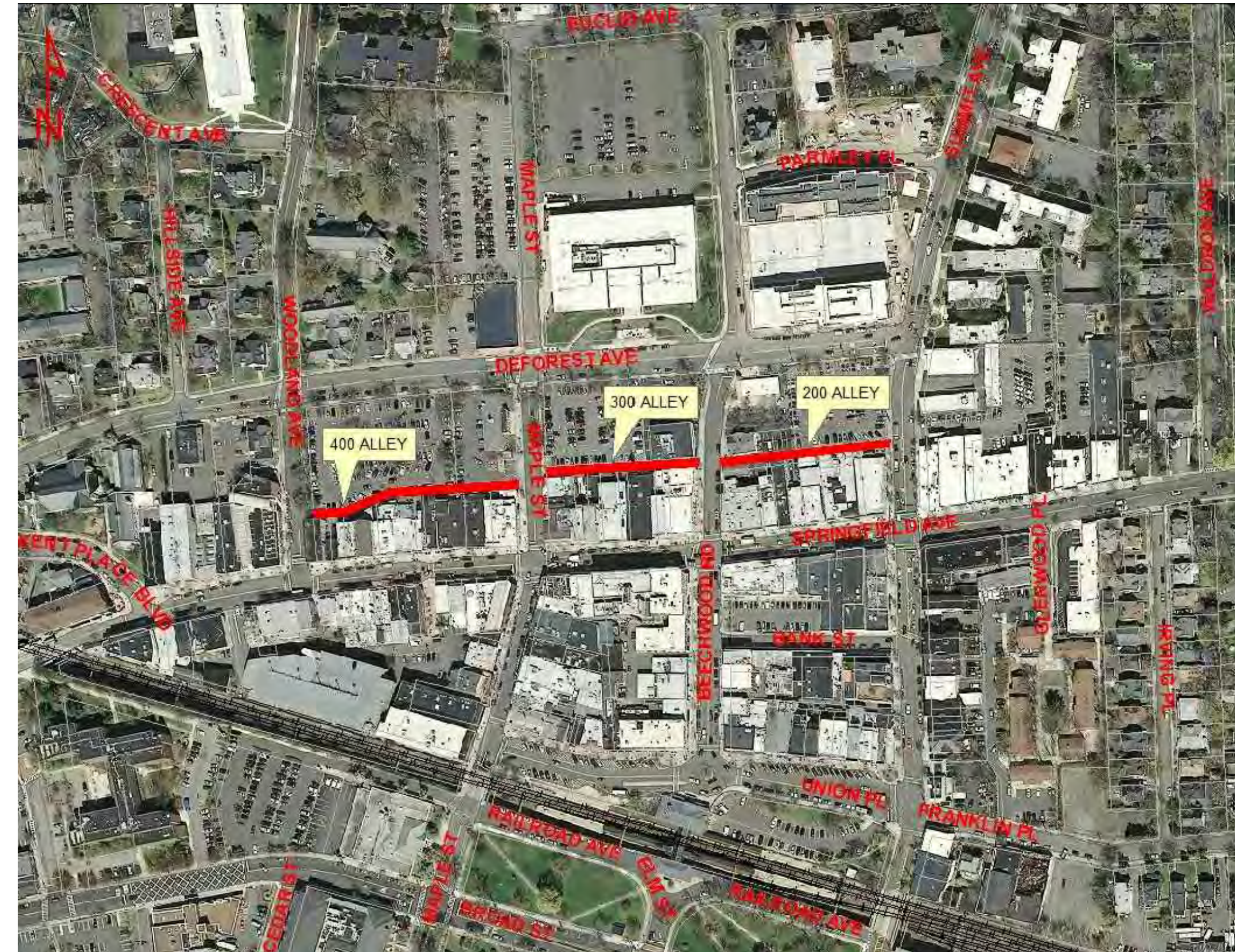


# ALLEY WAY IMPROVEMENT PROJECT

## 200, 300 AND 400 ALLEY 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 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. THE CONTRACTOR SHALL LEAVE THE MILLED ROAD UNPAVED FOR 24 HOURS AND 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 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. ALL COSTS FOR MATERIAL AND EQUIPMENT STORAGE SHALL BE INCLUDED IN THE BID ITEM "PARKING AND MATERIAL STORAGE".
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, 3) SHOULDER CLOSED. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL ON THE PROJECT. ANY COSTS ASSOCIATED WITH TRAFFIC CONTROL SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROJECT.
8. NO 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" IN THE PROJECT. 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 REPLACEMENT OF ANY DAMAGED CONCRETE 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. 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".
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 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.
14. NO SEPARATE PAYMENT SHALL BE MADE FOR THE RESETTING OR REPLACEMENT OF ANY WALKWAYS CONSTRUCTED OF GRANITE BLOCK, BRICK, BRICK PAVERS, STONE, SLATE, ETC. 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.
15. NO SEPARATE PAYMENT SHALL BE MADE FOR EXCAVATION, UNCLASSIFIED, IN AREAS WITH UNSUITABLE SUB-BASE OR WHERE NO SUBBASE EXISTS. ALL UNSUITABLE AREAS SHALL BE REMOVED AND REPLACED WITH DENSE GRADED AGGREGATE WHERE DIRECTED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THE EXCAVATION AND DISPOSAL OF THE EXISTING SUB-BASE AND PLACEMENT OF DENSE GRADED AGGREGATE SHALL BE INCLUDED IN THE BID ITEM "FULL DEPTH REPAIR, IF AND WHERE DIRECTED".
16. NO SEPARATE PAYMENT SHALL BE MADE FOR THE EXCAVATION OF UNCLASSIFIED MATERIAL BEHIND THE PROPOSED CURB. ALL COSTS ASSOCIATED WITH THE REMOVAL OF ANY EXISTING MATERIAL BEHIND THE PROPOSED CURB SHALL BE INCLUDED IN THE BID ITEM "CLEARING SITE".
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".
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 IF ANY ARE TO BE SUBMITTED AT A MINIMUM OF THREE (3) WEEKS PRIOR TO CONSTRUCTION FOR ALL PROPOSED DRAINAGE STRUCTURES. ALL DRAINAGE STRUCTURES MUST BE DESIGNED BY A NEW JERSEY PROFESSIONAL ENGINEER. ALL SHOP DRAWINGS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.
20. SITE SURVEY PROVIDED BY HATCH MOTT MCDONALD. 908-703-6000.
21. 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, 2007" AND ALL APPLICABLE AMENDMENTS.



INDEX OF SHEETS	
SHEET	DESCRIPTION
1	TITLE SHEET-KEY MAP
2	CONSTRUCTION PLAN
3	DETAIL SHEET

### UTILITIES

Public Service Electric & Gas Co.  
48 Middle Avenue  
Summit, NJ 07901

Jersey Central Power and Light  
300 Madison Avenue  
Morristown, NJ 07960

Comcast Cablevision of New Jersey  
300 Rahway Avenue 07901  
Union, NJ 07083

Verizon  
445 Georges Road  
North Brunswick, NJ 08902

City of Summit  
Division of Public Works  
41 Chatham Road  
Summit, NJ 07901

New Jersey American Water Co.  
167 JFK Parkway  
Short Hills, NJ 07078

### Funding Note:

This project is funded by the City of Summit

### 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.

### 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 Construction 2007 and all of its amendments and Baseline Document Changes are to govern all construction here in.

ITEM	DESCRIPTION	UNIT	QTY
<i>GENERAL WORK</i>			
1	MOBILIZATION	LS	LS
2	CLEARING SITE	LS	LS
3	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	LS
4	CONSTRUCTION LAYOUT	LS	LS
5	UTILITY COORDINATION	LS	LS
6	PARKING AND MATERIAL STORAGE	ALLOW	ALLOW
7	INLET FILTERS, TYPE 2, 2' x 4'	SF	7
8	CONSTRUCTION SIGNS	SF	200
9	HMA MILLING, 2" OR LESS	SY	2,000
10	HOT MIX ASPHALT SURFACE COURSE MIX 15	TON	275
11	DGA BASE COURSE, 6" THICK, IF AND WHERE DIRECTED	SY	25
12	CONCRETE SIDEWALK, 6" THICK (WITH 6X6 WWM)	SY	475
13	GRANITE CURB	LF	25
14	FULL DEPTH REPAIR, IF AND WHERE DIRECTED	SY	25
15	TRAFFIC STRIPES, 4" THICK	LF	2,000
16	RECONSTRUCTION INLET, TYPE A, USING NEW CASTING	UNIT	1
17	RECONSTRUCTION INLET, TYPE A, USING EXISTING CAST	UNIT	6
18	GUIDE SIGN, TYPE GA, BREAKAWAY SUPPORT	SF	150

REVISIONS	DESCRIPTION	NO.	DATE

ALLEY WAY IMPROVEMENT PROJECT  
RE-PAVING OF 200, 300 AND 400 ALLEY WAY  
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. Schrage  
Professional Engineer  
New Jersey Lic. No. 46143  
City Engineer



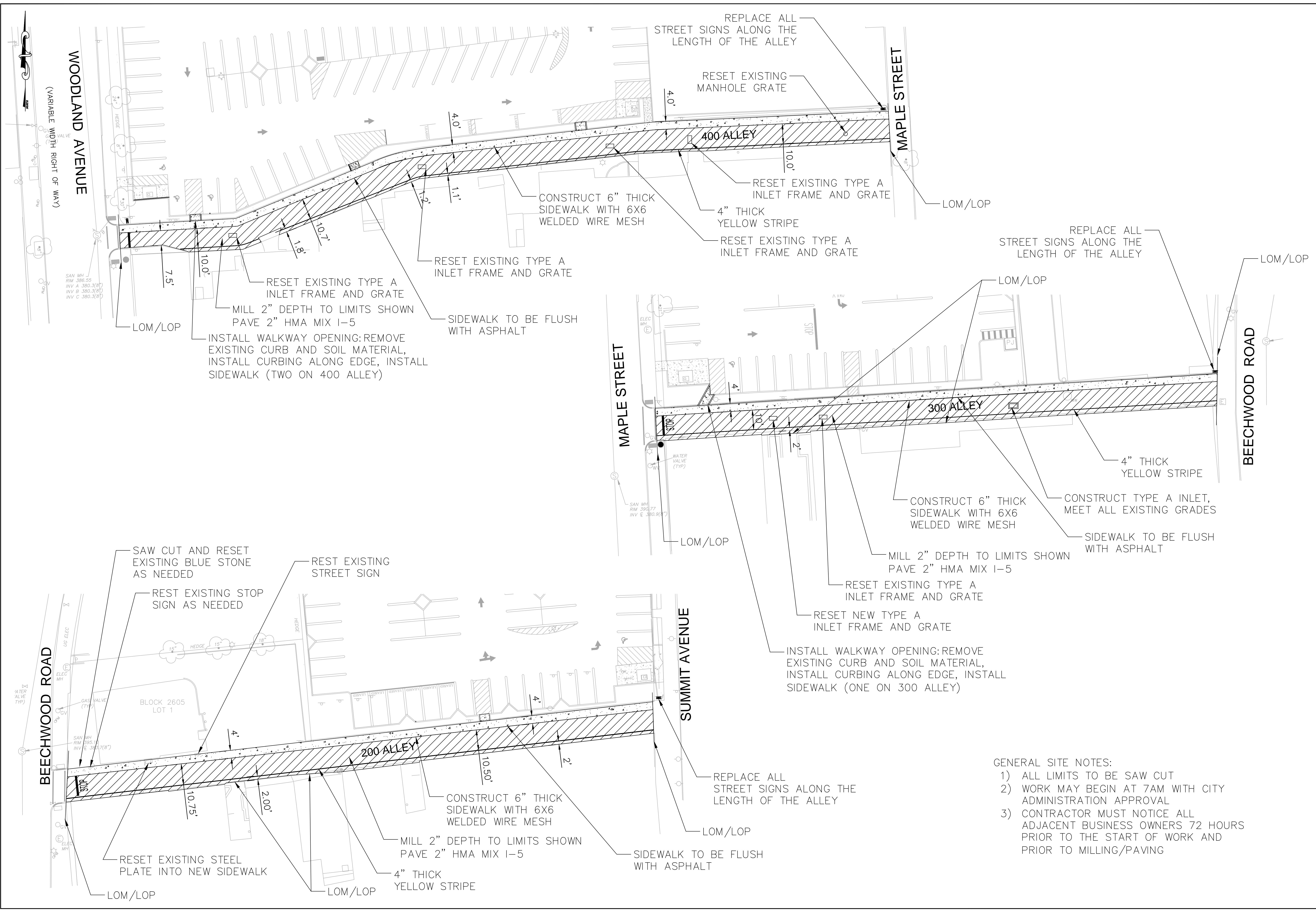
DATE:  
1/5/2018

DRAWN  
BY: RM

SCALE  
AS NOTED

1 OF 3





NO.	DATE	REVISIONS	DESCRIPTION

ALLEY WAY IMPROVEMENT PROJECT  
RE-PAVING OF 200, 300 AND 400 ALLEY WAY  
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. Schragger  
Professional Engineer  
New Jersey Lic. No. 46143  
City Engineer



DATE:	1/5/2018
DRAWN BY:	RM
SCALE	1" = 20'
2 OF 3	

- GENERAL SITE NOTES:
- 1) ALL LIMITS TO BE SAW CUT
  - 2) WORK MAY BEGIN AT 7AM WITH CITY ADMINISTRATION APPROVAL
  - 3) CONTRACTOR MUST NOTICE ALL ADJACENT BUSINESS OWNERS 72 HOURS PRIOR TO THE START OF WORK AND PRIOR TO MILLING/PAVING

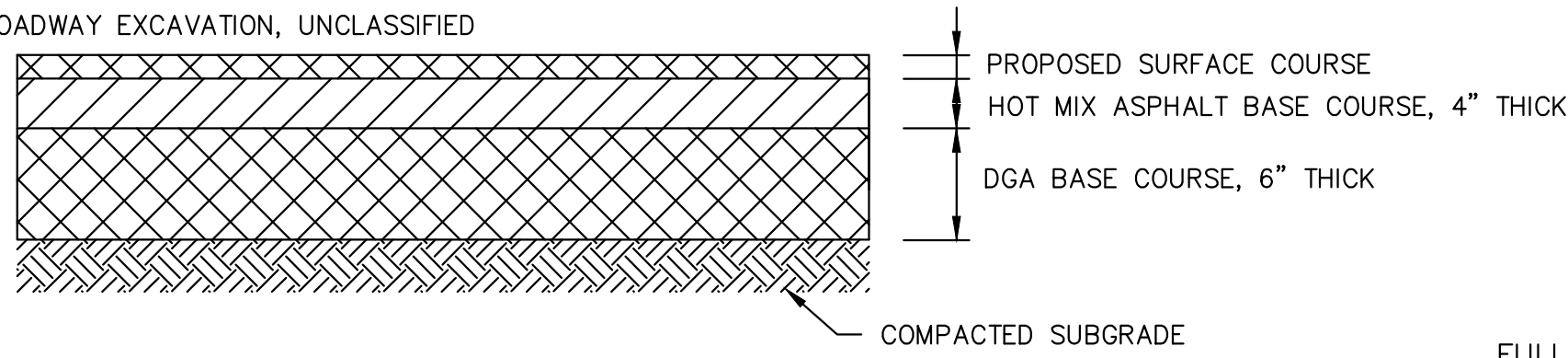


SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS

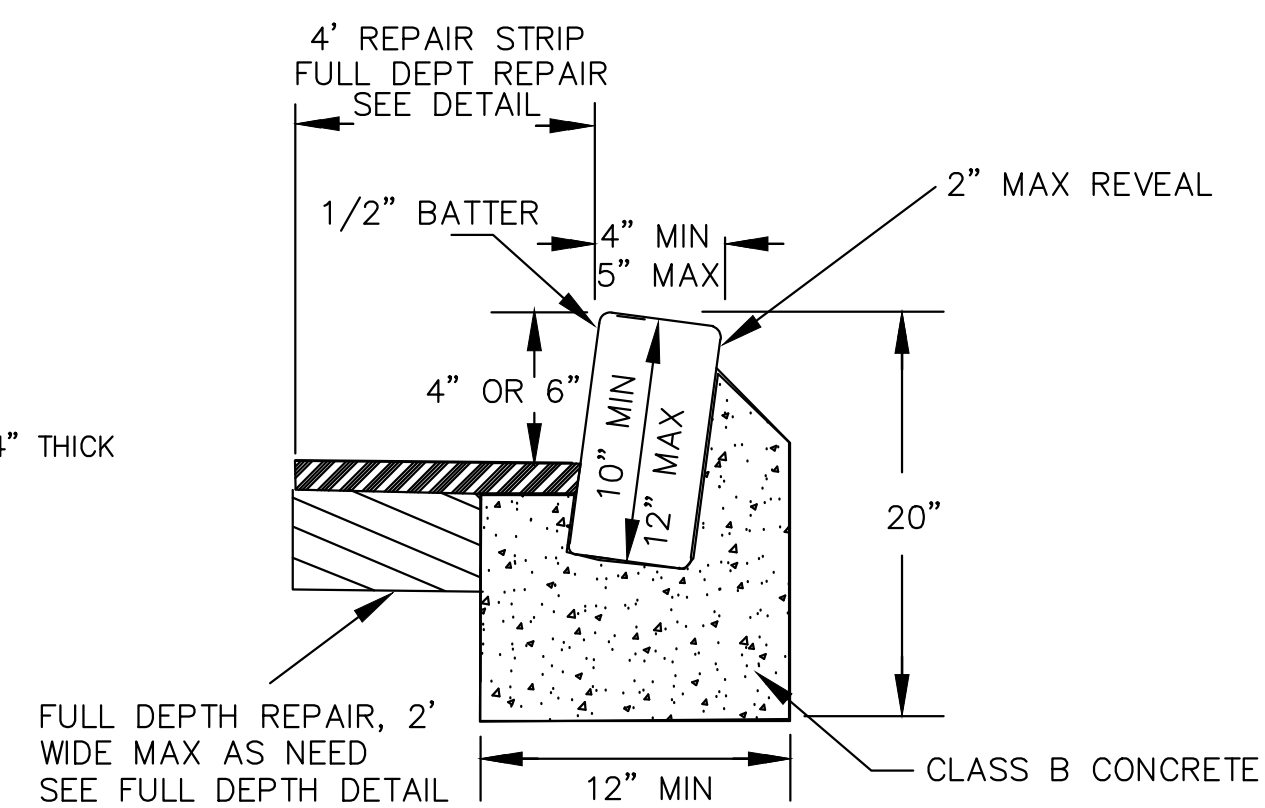
- All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control," (Revised 1987) and will be placed prior to any soil disturbance or in their proper sequence and maintained until permanent protection is established.
- During construction, the contractor shall be responsible for the maintenance and upkeep of the drainage structures, vegetative cover, and any other measures deemed appropriate by the City.
- A crushed stone vehicle wheel cleaning blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 2 1/2 inch crushed stone, will be at least 50 feet long and the width of the exit roadway or driveway, and will be properly maintained.
- All paved roadways must be kept clean at all times.
- Disturbed areas shall be maintained in a rough graded condition and temporarily seeded and mulched until proper weather conditions exist for the establishment of permanent vegetative cover.
- All soil stockpiled for a period of greater than 30 days will be temporarily seeded and mulched.
- Stockpiles shall not be located within 50 feet of a floodplain, slope, or drainage facility. All stockpile bases shall be protected by a hay bale barrier or sediment fence.
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or suitable equal, at a 2 ton/acre ratio rate, according to state standards.
- Temporary stabilization - any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction activities shall immediately be stabilized upon disturbance by applying the following:
  - Ground Limestone at a rate of 90 pounds per 1,000 square feet.
  - Fertilizer at a rate of 14 pounds per 1,000 square feet using a 10-20-10 analysis or an equivalent worked into the soil a minimum of 4 inches.
  - Seed shall be annual ryegrass applied at not less than one pound per 1,000 square feet.
  - Mulch all newly seeded area with unrotted salt hay or small grain straw at a rate of 90 pounds per 1,000 square feet according to NJ Standard. Mulch shall not be ground into short pieces and in no case shall more than 5 days elapse between seeding and mulching.
  - Mulch shall be anchored with a liquid mulch binder applied at a rate of one gallon per 1,000 square feet or by approved methods (i.e. peg and twine, mulch netting).
- Between October 1 and March 1 and when the season prohibits temporary seeding or when disturbed areas are scheduled for immediate landscaping, applying the aforementioned items "d." and "e." will be adequate.
- Seeding dates: The following are the recommended seeding dates for the establishment of temporary or permanent vegetation:
  - Spring: March 1 - May 15
  - Fall: August 15 - October 1
- Permanent vegetative cover is to be established on exposed areas within 10 days after final grading. Mulch is to be used for protection until final vegetation is established.
- Permanent seeding and stabilization to be in accordance with the standards for permanent vegetative cover - all exposed surfaces will be treated with 4" topsoil prior to final stabilization and the following items applied at the designated rates:
  - Lime shall be applied at 90 pounds per 1,000 square feet consisting of ground limestone incorporated into the top 4 inches of topsoil.
  - Fertilizer shall be 14 pounds per 1,000 square feet 10-20-10 incorporated into the top 4 inches of topsoil.
  - Seed shall be 25 pounds per acre of Kentucky Bluegrass, 15 pounds per acre of Red Fescue, spreading Fescue at 15 pounds per acre, and 10 pounds per acre of perennial ryegrass.
  - In shade areas, increase Red Fescue to 20 pounds per acre and decrease Kentucky Bluegrass to 20 pounds per acre.
  - Mulch all newly seeded area with unrotted salt hay or small grain straw at a rate of 90 pounds per 1,000 square feet according to th NJ Standard. Mulch shall not be ground into short pieces and in no case shall more than 5 days elapse between seeding and mulching.
  - Mulch shall be anchored with a liquid mulch binder applied at rate of one gallon per 1,000 square feet or by approved methods (i.e. peg and twine, mulch netting).
- Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the City.
- The site shall, at all times, be graded and maintained such that all storm water runoff is diverted to soil erosion and sediment control facilities.
- All dewatering operations must discharge directly into a sediment filter area. The sediment filter should be composed of a suitable filter fabric filter.
- All sedimentation structures will be inspected and maintained on a regular basis.
- All storm drain inlets shall be protected with filters to prevent entry of sediment carried by runoff water until vegetation and/or paving is established.
- All storm drainage outlets will be stabilized as required before the discharge points become operational.
- The City may request additional measures to minimize on or off site erosion problems during construction.
- Sequence of construction:
  - Install vehicle wheel cleaning blanket and inlet protection.
  - Install silt fence.
- Clear site.
  - Strip and stockpile soil.
  - Construct site improvements.
- Provide temporary stabilization.
  - Provide permanent stabilization.
  - Provide temporary silt fence, inlet protection and other soil erosion controls.
- A copy of the soil erosion and sediment control plan must be on-site at all times and made available to the City representative during inspection.
- Written notification shall be made to the Somerset-Union Soil Conservation District, 308 Milltown Road, Bridgewater, NJ, 08807, 48 hours prior to the start of any land disturbance activity.

NOTES

- REMOVE AND REPLACE ROADWAY BASE SHALL CONSIST OF THE REMOVAL OF UNSUITABLE ROADWAY BASE MATERIAL OF WHATEVER NATURE ENCOUNTERED TO A DEPTH OF AT LEAST 10" UNCOVERED AFTER MILLING OR VISIBLE PRIOR TO MILLING OR RESURFACING AND THE INSTALLATION OF AT LEAST 4" HOT MIX ASPHALT BASE COURSE AND 6" DGA. THE PERIMETER OF THE REPAIR SHALL BE SAWCUT.
- THE FOLLOWING ITEMS OF WORK ARE INCLUDED UNDER REMOVE AND REPLACE ROADWAY BASE:
  - SAWCUT
  - HOT MIX ASPHALT BASE COURSE
  - DGA
  - ROADWAY EXCAVATION, UNCLASSIFIED



FULL DEPTH REPAIR  
N.T.S.

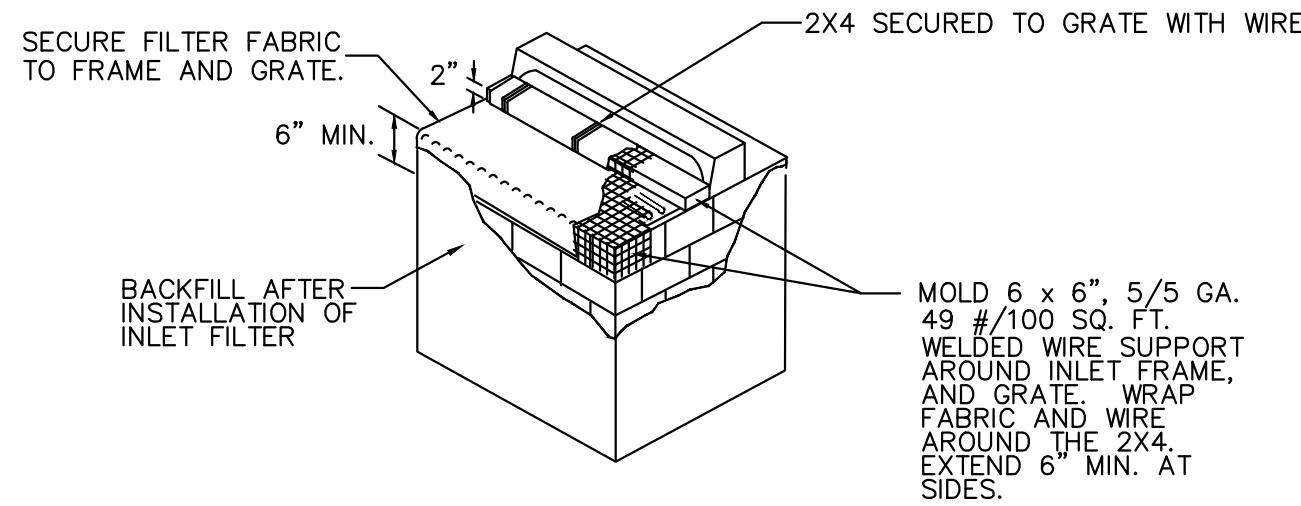


TYPE "A" INLET DETAIL  
N.T.S.

CURB NOTES

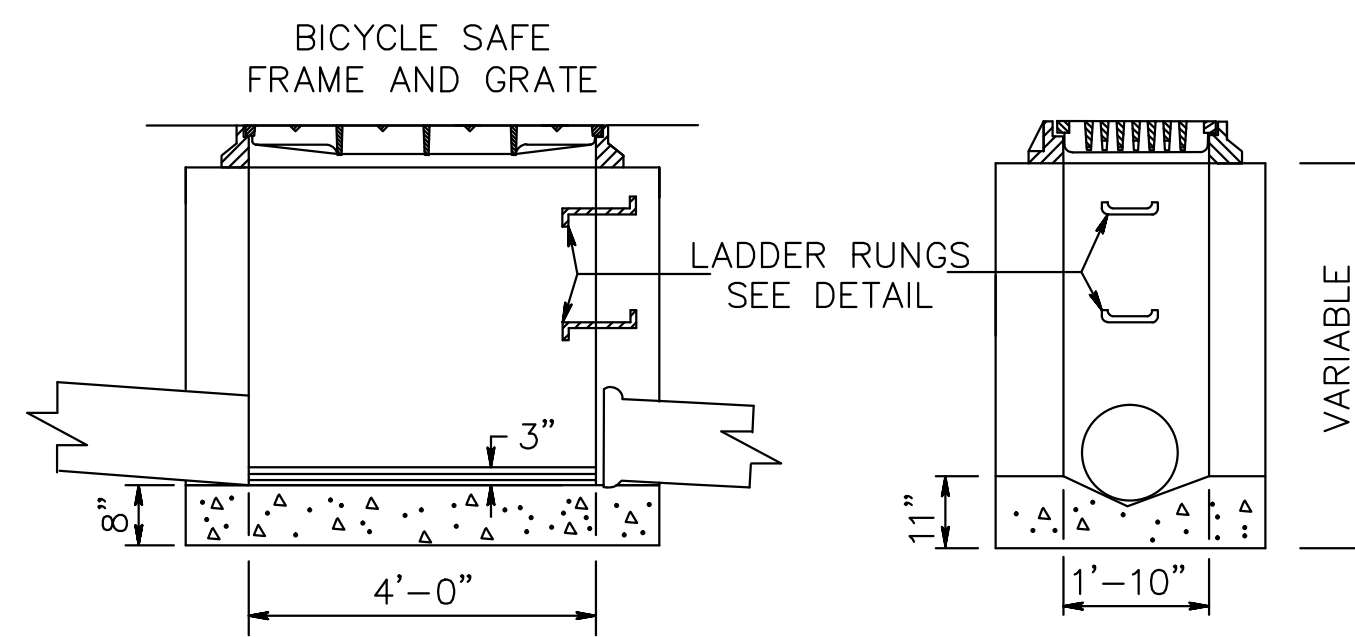
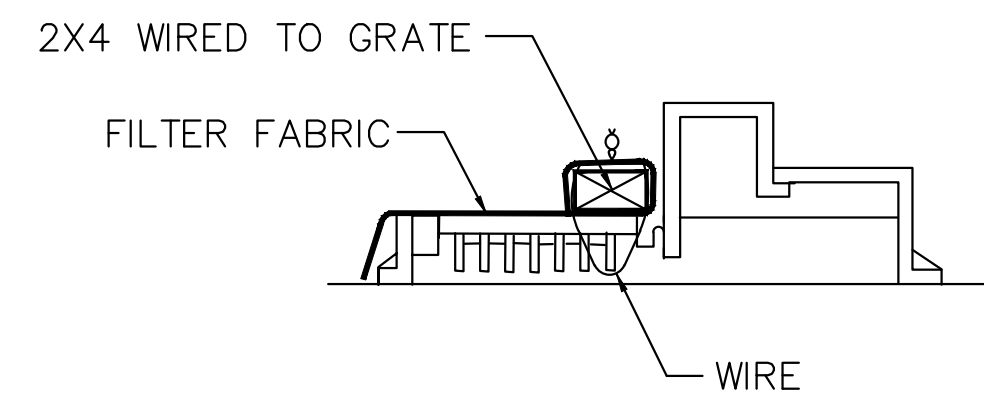
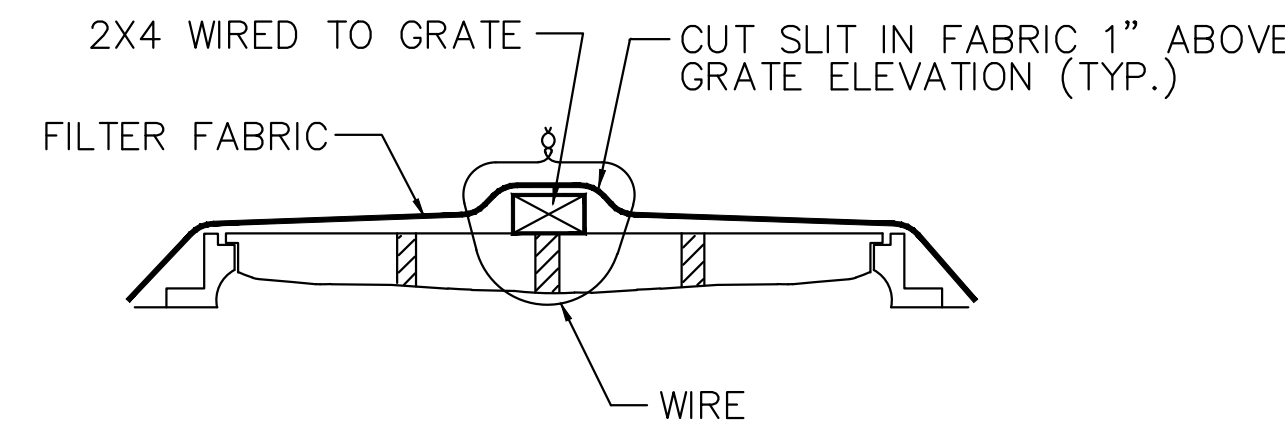
- 4" THICK, COARSE AGGREGATE SIZE NO. 57 SHALL BE CONSTRUCTED UNDERNEATH PROPOSED CURB IN WET FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. ALL COSTS FOR 4" THICK, COARSE AGGREGATE SIZE NO. 57 SHALL BE INCLUDED IN THE VARIOUS ITEMS BID IN THE PROJECT.
- TOP OF CURB SHALL NOT BE SET HIGHER THAN ADJACENT EXISTING OR PROPOSED SIDEWALK UNDER ANY CONDITION.
- FULL DEPTH REPAIR TO BE CONSTRUCTED ALONG THE ROAD EDGE OF NEW CURB UP TO 4' WIDE. COST TO BE INCLUDE IN PRICE OF CURB. SEE FULL DEPTH REPAIR DETAIL

SOIL EROSION DETAILS



- CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.
- CONTRACTOR TO REMOVE FABRIC AND MESH JUST PRIOR TO PAVING.
- IF BOTTOM OF ROADWAY IS BELOW TOP OF INLET GRATE, CONSTRUCT PROPERLY FILTERED OPENING(S) IN INLET WALL TO ALLOW PASSAGE OF WATER.
- THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM EVENT AND SHALL SAFELY CONVEY HIGHER FLOWS DIRECTLY INTO THE STORM SEWER SYSTEM.

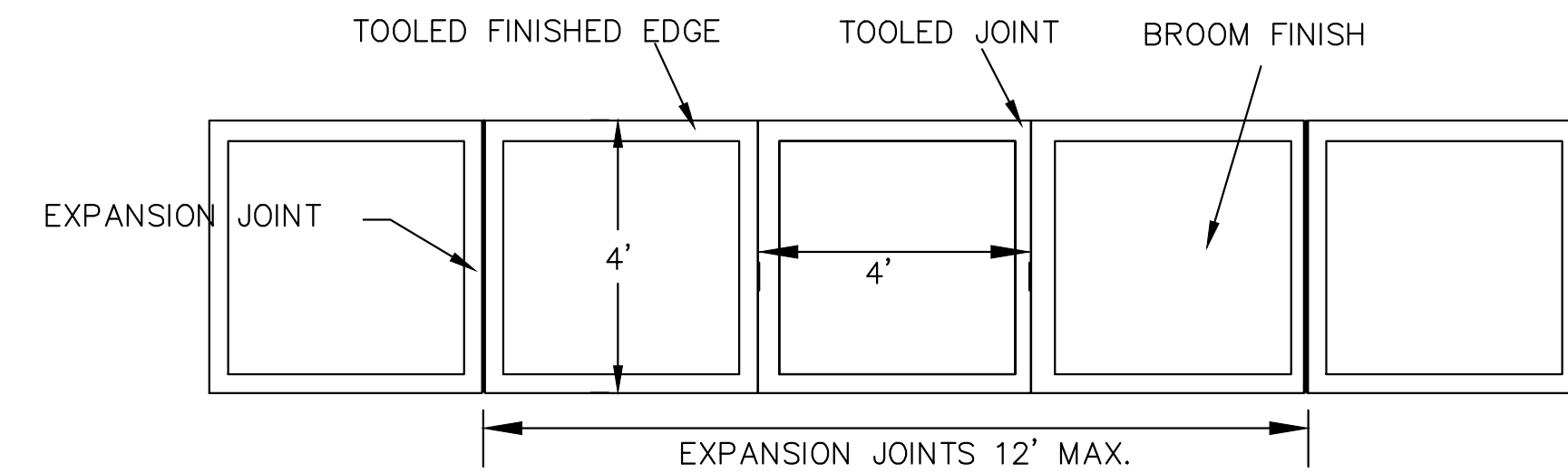
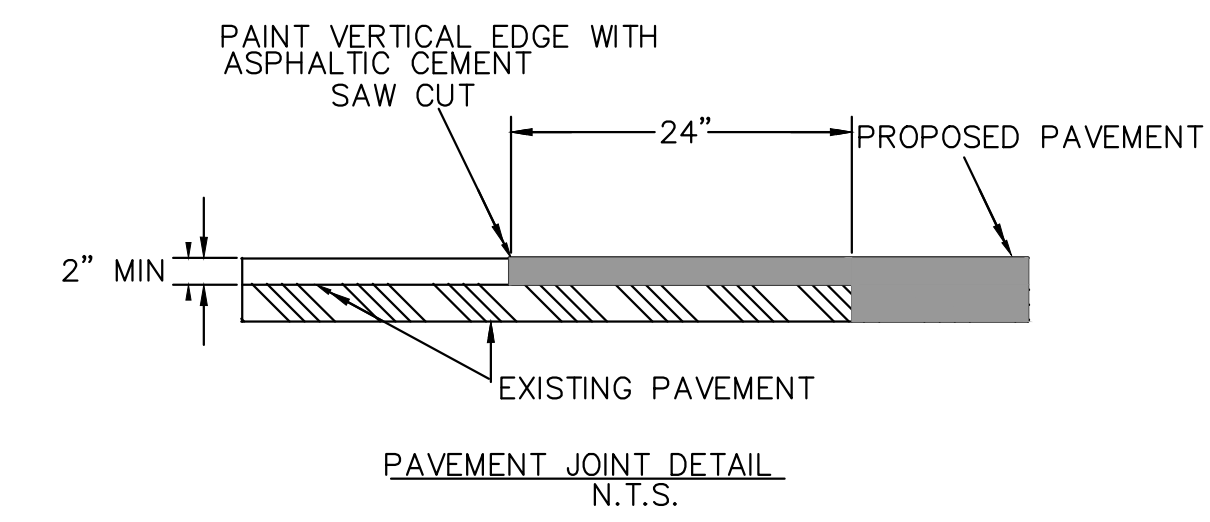
INLET FILTER DETAIL  
N.T.S.



STREET SIGN DETAILS: 9" SIGN (D3-1)  
N.T.S.

NOTES:

- SIGNS TO BE MOUNTED ON A 2 3/8" OD BLACK POLE
- POLE TO HAVE A 18" MIN CONCRETE FOOTING
- SIGNS TO BE MOUNTED ON A LYLE SIGNS PLACE HOLDER
- COST FOR POST, HARDWARE, AND FOOTING TO BE INCLUDED IN "STREET SIGN POST".
- SIGN WIDTHS MAY VARY
- WHITE BACKGROUND, BLACK LETTERS, BLOCK BORDER
- MUST MEET MUTCD REFLECTIVE STANDARDS



NOTE: 1)ALL SIDEWALK MUST BE SPRAYED WITH WHITE PIGMENTED CURING COMPOUND AFTER BROOM FINISHING.2)CONCRETE TO BE POURED OVER 2" LAYER OF COMPACTED CLEAN STONE. 3)CONCRETE TO BE CLASS B 3500LB MIX.

CONCRETE SIDEWALK DETAIL  
N.T.S.

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
- PROPOSED 6" CONCRETE SIDEWALK
- PROPOSED AREA TO BE MILLED/PAVED
- RESET MANHOLE, USING EXISTING CASTING
- RESET INLET, TYPE A, USING EXISTING FRAME AND GRATE
- RESET INLET, TYPE A, USING NEW FRAME AND GRATE
- PROPOSED CURB

NO.	DATE	REVISIONS DESCRIPTION

ALLEY WAY IMPROVEMENT PROJECT  
RE-PAVING OF 200, 300 AND 400 ALLEY WAY  
DETAIL SHEET

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

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



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