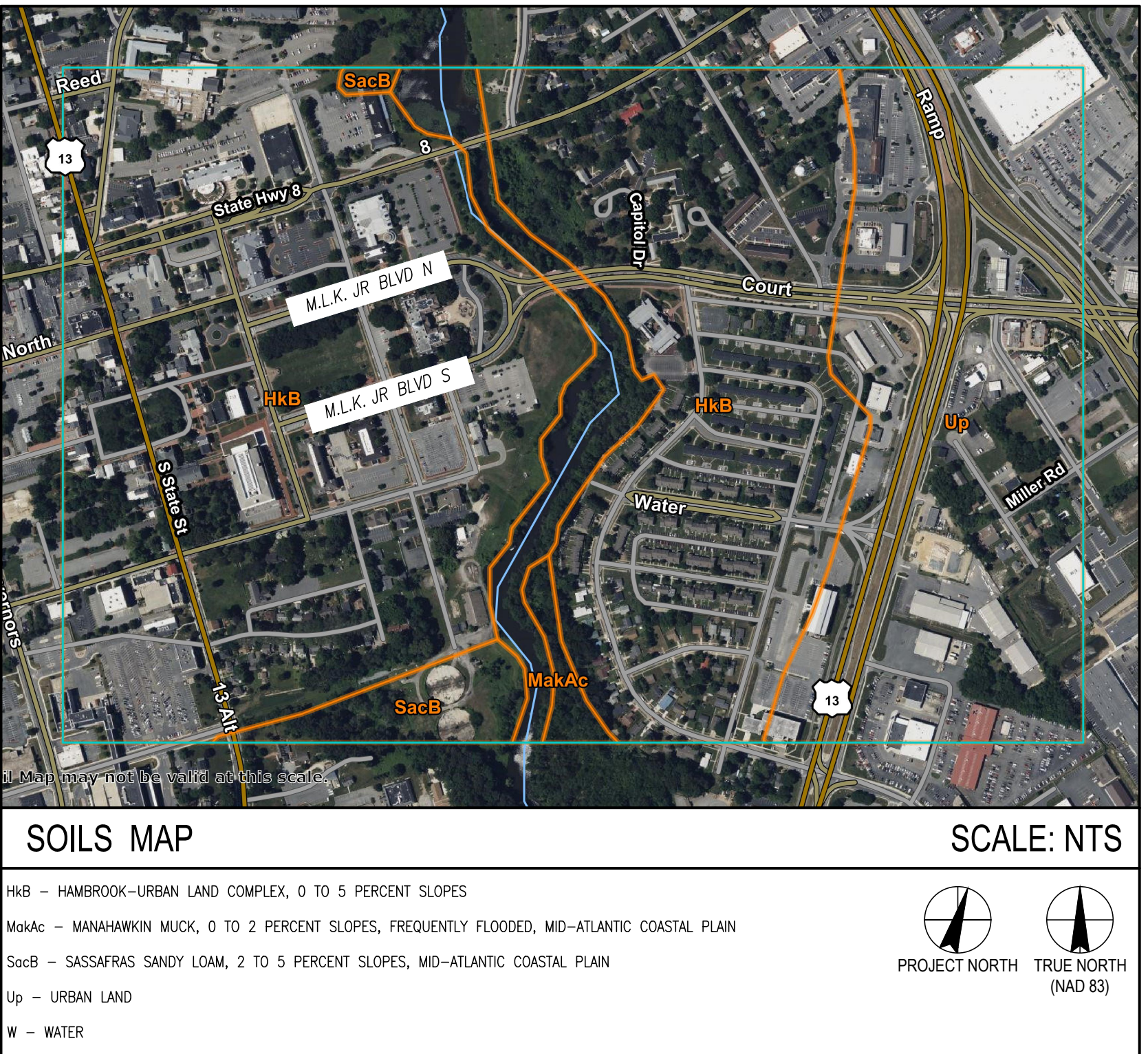
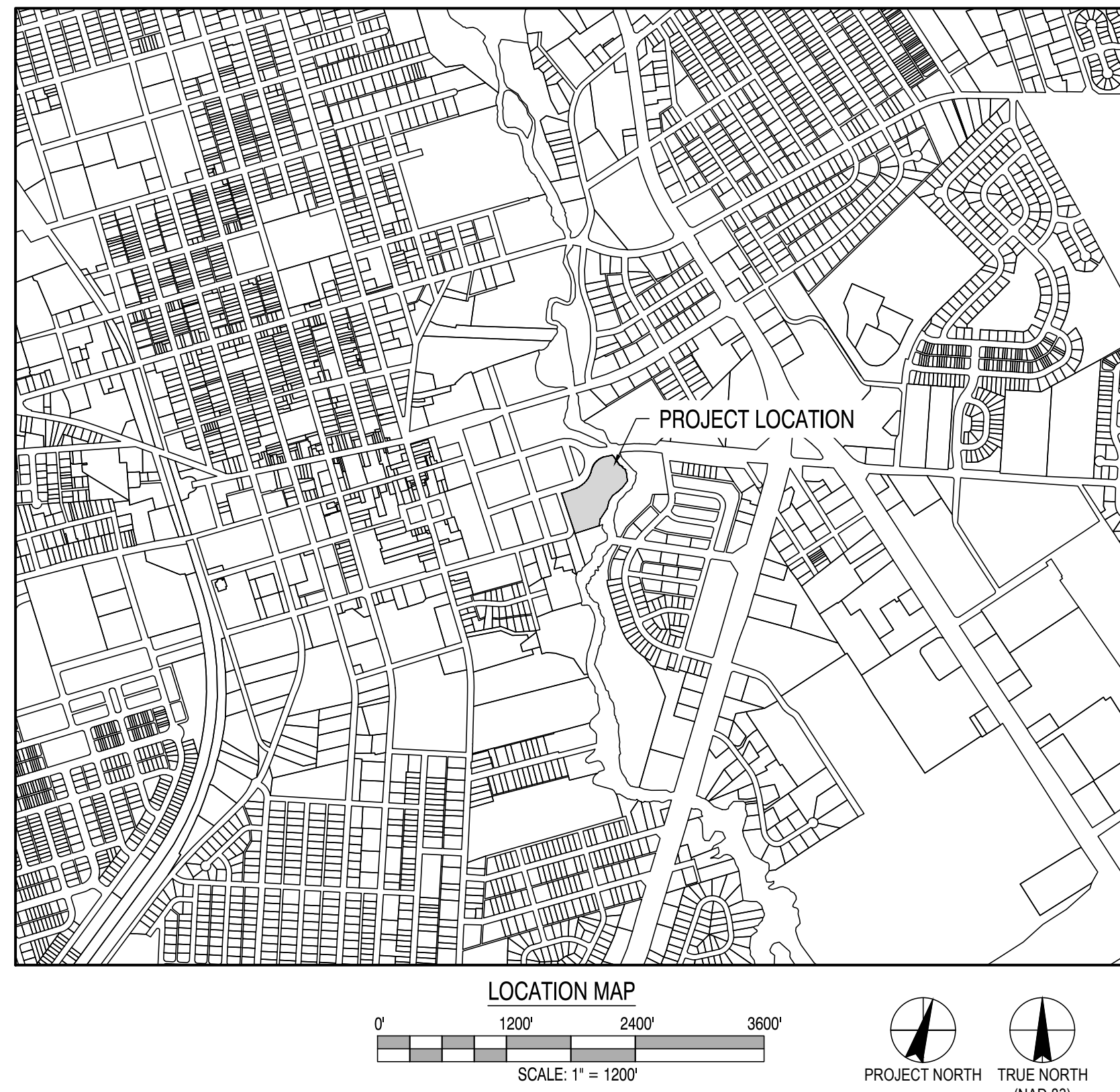
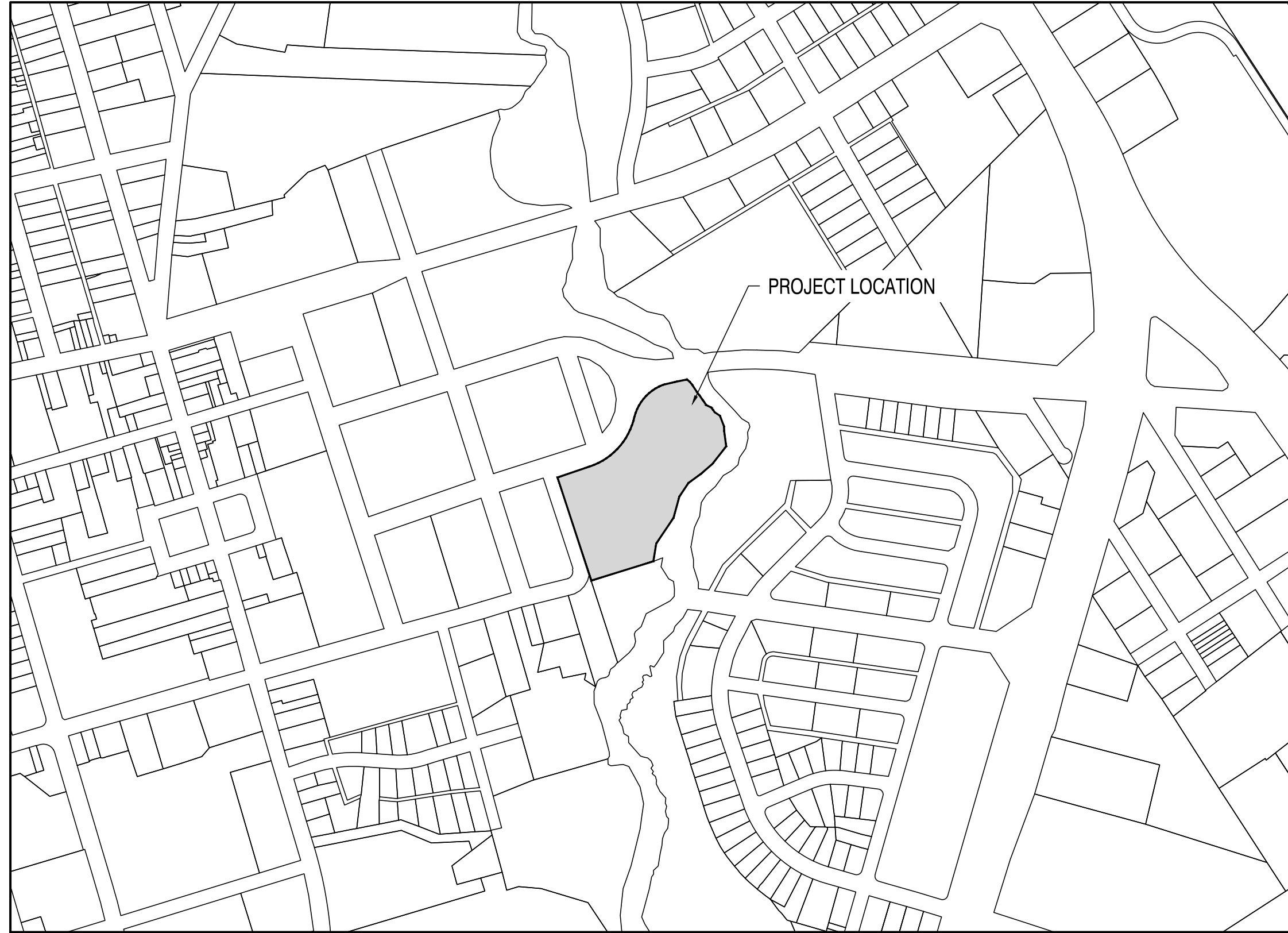


DATA COLUMN

1. COUNTY TAX MAP: ED-05-077.10-01-02.00-000
2. APPLICATION NUMBER: S-24-14
3. ADDRESS OF SITE: 425 EAST AVENUE
DOVER, DE, 19901
4. ZONING: EXISTING: IO-INSTITUTIONAL/OFFICE
H-HISTORIC DISTRICT
PROPOSED: IO-INSTITUTIONAL/OFFICE
H-HISTORIC DISTRICT
5. LOT AREA: 5.28± ACRES
6. SOURCE OF TITLE: C-14-103
7. EXISTING USE: PARKING LOT / BANK
8. PROPOSED USE: PARKING GARAGE / BANK
9. DATUM: EXISTING: IRON P.N., SEE SHEET C103
VERTICAL = NAD83
HORIZONTAL = NAD83
10. SETBACK: FRONT: 10'
SIDE: 10'
REAR: 15'
11. MONUMENTS: EXISTING MONUMENTS: 0
EXISTING IRON PIPES: 6
PROPOSED MONUMENTS: 0
12. PROJECT SITE BREAKDOWN (5.28± ACRE):
EXISTING SITE:
IMPERVIOUS: 70.366± S.F. (1.62± ACRES)
OPEN SPACE: 150.579± S.F. (3.66± ACRES)
OVERALL TOTAL: 229.965± S.F. (5.28± ACRES)

PROPOSED SITE:
IMPERVIOUS: 74.917± S.F. (1.72± ACRES)
OPEN SPACE: 150.048± S.F. (3.56± ACRES)
OVERALL TOTAL: 229.965± S.F. (5.28± ACRES)

PROPOSED INCREASE IN IMPERVIOUS AREA: 0.10± ACRES
13. FLOOD PLAN MAP:
PER FEMA MAP NUMBER 1000100167H, DATED MAY 5, 2003, THIS SITE LIES WITHIN ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE, AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD) AND ZONE AE (BASE FLOOD ELEVATION 10)
14. PURPOSE OF PLAN:
THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED 42,657± S.F. (127,972 S.F. TOTAL) THREE STORY PARKING GARAGE AND ADJACENT IMPROVEMENTS.
15. DEBRIS DISPOSAL:
NO DEBRIS SHALL BE BURIED ON THE SITE. ANY BURIED DEBRIS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED FACILITY.
16. TOPOGRAPHY:
TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS PERFORMED BY CENTURY ENGINEERING, LLC, OCTOBER 2023.
17. BOUNDARY SURVEY:
BOUNDARY SURVEY HEREON PERFORMED BY CENTURY ENGINEERING, LLC, DATED OCTOBER 2023.
18. WETLANDS:
A WATERS OF THE U.S. INVESTIGATION WAS PERFORMED IN JANUARY, 2024 BY CENTURY ENGINEERING, LLC. NO WETLANDS OR WATERS OF THE U.S. WERE PRESENT WITHIN WORK LIMITS.
19. PROPOSED SIGNAGE:
ALL PROPOSED MONUMENT SIGNS AND OTHER SIGNAGE IS SUBJECT TO A SEPARATE SIGN PERMIT APPLICATION REVIEW PROCESS.
20. OWNER/EQUATABLE OWNER:
DIRECTOR, DIVISION OF FACILITIES MANAGEMENT OFFICE OF MANAGEMENT + BUDGET
122 MARTIN LUTHER KING JR. BLVD S
DOVER, DE 19901
(302) 730-3644
JENNIFER COVERDALE, MBA
21. ENGINEER:
CENTURY ENGINEERING, LLC
250 BAY ROAD
DOVER, DE 19901
(302) 734-9188
ALEX SCHMIDT, P.E.



SI-24-14 WAIVER REQUEST	V-24-01 BOARD OF ADJUSTMENT DECISION			C113 LANDSCAPE PLAN SI-114 SANITARY FORCEMAIN RELOCATION SI-115 SANITARY (GRAVITY) RELOCATION SI-116 SANITARY DETAILS SI-117 SANITARY DETAILS SI-118 SANITARY DETAILS SI-119 SANITARY DETAILS
ON SEPTEMBER 7, 2024 A WAIVER REQUEST WAS GRANTED FOR PARTIAL EXEMPTION OF UPROOT CHUBBS (ZONING ORDINANCE, ARTICLE 6, SECTION 3.6) BY THE CITY OF DOVER PLANNING DEPARTMENT.	ON JUNE 30, 2024, BOARD OF ADJUSTMENT APPROVED THE FOLLOWING VARIANCE REQUESTS: • VARIANCE 1: DECREASE THE REQUIRED REDUCTION OF THE IMPERVIOUS SURFACE AREA OF THE PRE-DEVELOPMENT CONDITIONS ON THE PARCEL FROM 15% TO 5% (ARTICLE 5, SECTION 11.21(A)). • VARIANCE 2: RECOMMENDING THAT 48.7% OF THE PARCEL IS WITHIN THE FLOOD HAZARD AREA WHICH IS GREATER THAN 33% THAT ALLOWED FOR PLANNING COMMISSION CONSIDERATION OF REDUCTIONS IN IMPERVIOUS SURFACE (ARTICLE 5, SECTION 11.21(B)).			
HI-24-04 ARCHITECTURAL REVIEW	WETLAND DELINEATION	CERTIFICATION OF PLAN ACCURACY	CERTIFICATION OF OWNERSHIP	
ON MAY 16, 2024, THE HISTORIC DISTRICT COMMISSION APPROVED THE ARCHITECTURAL REVIEW CERTIFICATION. APPROVAL OF THE CERTIFICATION INCLUDED: • WAIVER REQUEST FROM THE ALTERNATE BLOCK STANDARDS TO ALLOW THE FRONT YARD SETBACK OF 75X (10 FEET) TO BE WAIVED. • APPROVAL OF PRODUCTS FOR THE PROPOSED BRICK WALL AND FENCE AROUND THE PROPOSED GENERATOR AND FUEL PAD. • CONDITIONS OF APPROVAL: a. THE SELECTED BRICK CHOICES SHOULD BE COMPATIBLE TO THE ARCH OF OTHER EXISTING BUILDINGS IN THE AREA. b. UTILIZE BLACK POSTS FOR ANY SIGNAGE ELEMENTS TO BE ATTACHED TO POSTS I.E., HANDCAPPED PARKING SIGNAGE AND ANY TRAFFIC CONTROL SIGNS. c. SIGNAGE IDENTIFYING THE PARKING GARAGE IS INTEGRATED INTO THE BUILDING AS PART OF A SIGN BAND AREA IN A CORNICE LINE. HOWEVER, CONSIDERATION OF ANY FREE-STANDING SIGNAGE MAY REQUIRE ADDITIONAL REVIEW. d. ANY LIGHT FIXTURES/POLES LOCATED ON THE PROPERTY FOR SITE LIGHTING SHOULD UTILIZE A BLACK FINISH COLOR. LIGHT FIXTURES/POLES CONTINUE STYLE OF THE LIGHTING USED IN THE NEARBY AREAS OF THE HISTORIC DISTRICT. e. ENSURE PROPOSED TREES ARE APPROPRIATE TO URBAN PLANNING SETTINGS ALONG STREETS. CLARIFY WHERE TREES AND LANDSCAPING ARE TO BE PLANTED AS THE ARCHITECTURAL RENDERINGS f. ANY REVISIONS OR CHANGES IN THE IDENTIFIED MATERIALS MAY BE SUBJECT TO FURTHER REVIEW BY THE HISTORIC DISTRICT COMMISSION.	THIS PROPERTY, ED--05--077-10-01-02-05-000 HAS BEEN EXAMINED BY CENTURY ENGINEERING, LLC FOR THE PRESENCE OF INTERESTS OF THE UNITED STATES, INCLUDING WETLANDS (SECTION 404 AND SECTION 10), STATE SPRAWLING LANDS AND STATE REGULATED WETLANDS AS ESTABLISHED BY THE RELEVANT AGENCIES IN THE FORM OF MANUALS, POLICIES AND PROCEDURES IN PLACE AT THE TIME THAT THE INVESTIGATION AS CONDUCTED. THE WETLAND DELINEATION CONTAINED IN THIS PLAN SET IS IN ACCORDANCE WITH THIS CRITERIA. THE WETLAND DELINEATION FOR THIS PROJECT WAS COMPLETED BY CENTURY ENGINEERING, LLC. ALEX SCHMIDT, P.E., DE. NO. 16139 CENTURY ENGINEERING, LLC 550 BAY ROAD DOVER, DELAWARE 19901 (302) 734-9188 ASCHMIDT@LENFELDER.COM	I, ALEXANDER E. SCHMIDT, HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF DELAWARE, THAT THE INFORMATION SHOWN HEREON HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF REPRESENTS GOOD ENGINEERING PRACTICES AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF DELAWARE. ALEX SCHMIDT, P.E., DE. NO. 16139 CENTURY ENGINEERING, LLC 550 BAY ROAD DOVER, DE 19901 (302) 734-9188 ASCHMIDT@LENFELDER.COM	I, JENNIFER COVERALE, HEREBY CERTIFY THAT THE STATE OF DELAWARE IS THE OWNER OF THE PROPERTY DESCRIBED AND SHOWN ON THIS PLAN, THAT THE PLAN WAS MADE AT THEIR DIRECTION, AND THAT THEY ACKNOWLEDGE THE SAME TO THEIR BY ACT AND DESIRE THE PLAN TO BE DEVELOPED AS SHOWN IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. JENNIFER COVERALE, MBA DIRECTOR OF ENVIRONMENTAL & FACILITIES MANAGEMENT OFFICE OF MANAGEMENT + BUDGET 122 MARTIN LUTHER KING BLVD S DOVER, DE 19901 (302) 739-5644 JENNIFER.COVERALE@STATE.DELAWARE.GOV	

INDEX OF SHEETS	
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R E V I S I O N S	
09/23/24	REVISED PER CITY OF DOVER D.A.C. COMMENTS
11/15/24	REVISED PER CITY OF DOVER COMMENTS

SHEET TITLE


COVER SHEET

AGENCY SUBMISSION

JULY 8, 2024		
DRAWN	CHK'D	PROJECT NO.
TCV	DLD	23094

C100

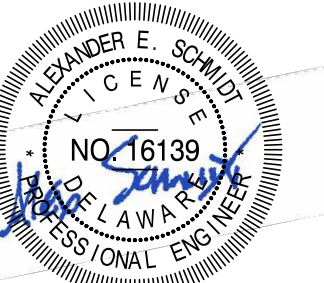
STUDIOJAED
ARCHITECTS ■ ENGINEERS ■ FACILITIES SOLUTIONS
Website: www.StudioJAED.com
Email: info@StudioJAED.com



CENTURY
ENGINEERING
A Kleinfelder Company

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ARCHITECT / ENGINEER SEAL










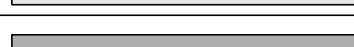

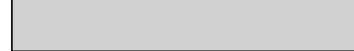

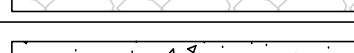
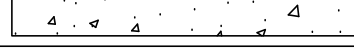
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

STATE OF DELAWARE
 HB/DIVISION OF FACILITIES MANAGEMENT
 OMB/DFM CONTRACT #MJ1002000071
 FOR
LEGISLATIVE HALL PARKING GARAGE
 MARTIN LUTHER KING JR BLVD S AND E WATER ST
 DOVER, DE 19901

NO FAT

[illegible]

GRADING		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CONTOUR		
SPOT ELEVATIONS	  	

PAVEMENT SECTION(S)	
MILL AND OVERLAY – SEE TYPICAL SECTIONS FOR MATERIAL AND DEPTHS	
FULL DEPTH PAVEMENT – SEE TYPICAL SECTIONS FOR MATERIAL AND DEPTHS	
SHARED USE PATH	
GRAVEL	
CONCRETE	
PERMEABLE PAVEMENT	
PAVEMENT PATCH	

EROSION & SEDIMENT CONTROL FEATURES	
FEATURE DESCRIPTION	PROPOSED
LIMIT OF DISTURBANCE	_____ LOd _____
LIMIT OF CONSTRUCTION	_____ LOC _____
PORTABLE SEDIMENT TANK	
PUMPING PIT	
SILT FENCE	_____ SF _____
COMPOST FILTER LOG	_____ CFL _____
SENSITIVE AREA PROTECTION	_____ SAP _____

ABBREVIATION SCHEDULE	
ABBREVIATION	DEFINITION
A5IA	AMERICANS WITH DISABILITIES ACT
ALLOW.	ALLOWABLE
ASD	ALLOWABLE STRESS DESIGN
ALUM	ALUMINUM
BL	BASE LINE
BOTT	BOTTOM
BRG	BEARING
CAP	CAPACITY
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CONC	CONCRETE
CONN	CONNECTION
CORR	CORRUGATED
CSJ	CONSTRUCTION JOINT
DFM	DIVISION OF FACILITIES MANAGEMENT
DIAG	DIAAGONAL
DL	DEAD LOAD
DNREC	DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DOL	DEPARTMENT OF LABOR
DOT	DEPARTMENT OF TRANSPORTATION
E F	EACH FACE
EL, ELEV	ELEVATION
EQUL	EQUAL
EX., EXIST.	EXISTING
F.F.	FAR FACE
F'G	COMPRESSIVE STRENGTH OF CONCRETE
FIN. FLOR	FINISHED FLOOR
FIN. GR.	FINISHED GRADE
FND	FOUNDATION
FTG	FOOTING
Fy	YIELD STRENGTH OF STEEL
GRAB	GRADED AGGREGATE BASE COURSE
GALV	GALVANIZED
HORIZ	HORIZONTAL
JT	JOINT
KSI	KIPS PER SQUARE INCH
LL	LINE LOAD
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
LLBB	LONG LEG BACK TO BACK
LOD	LIMIT OF CONSTRUCTION
LOD	LIMIT OF DISTURBANCE
LRFD	LOAD RESISTANCE FACTORED DESIGN
M-HW	MEAN HIGH WATER
MTL	METAL
NO	NUMBER
NOM	NOMINAL
N.F.	NEAR FACE
O.C.	ON CENTER
OHW	ORDINARY HIGH WATER
OPP	OPPOSITE
P.L.	PROPERTY LINE
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
REBAR	REINFORCING BAR
R/W, RW, R/W	RIGHT OF WAY
SF	SILT FENCE
SIM	SIMILAR
SLBB	SHORT LEG BACK TO BACK
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STR	STRAIGHT
T&B	TOP AND BOTTOM
Typ	TYPICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WSE	WATER SURFACE ELEVATION
WWF	WELDED WIRE FABRIC
NOTE: NOT ALL ABBREVIATIONS INCLUDED IN THESE PLANS	

C101

1. THE TERM "ENGINEER," "STATE," AND/OR "ARCHITECT" NOTED THROUGHOUT THE CONTRACT PLANS AND SPECIFICATIONS SHALL REFER TO ENGINEER, DESIGNER OF FIRM AND MILWAUKEE, OR THEIR APPOINTED REPRESENTATIVE. THE TERM "SITE" AND "MILWAUKEE AREA" MAY BE USED INTERCHANGEABLY THROUGHOUT THESE DOCUMENTS AS A MEANS OF IDENTIFYING THE ASSAUMAW WILDLIFE AREA.
2. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION SHOWN HEREON AS SHOWN ON THESE PLANS AND SPECIFICATIONS, TO A CONDITION COMPARABLE TO THAT EXISTING PRIOR TO CONSTRUCTION, AND TO THE SATISFACTION OF DNREC.
3. THE CONTRACTOR SHALL PROVIDE NECESSARY FACILITIES, INCLUDING, BUT NOT LIMITED TO, RESTROOMS DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT PROVIDE NECESSARY FACILITIES, INCLUDING, BUT NOT LIMITED TO, RESTROOMS DURING CONSTRUCTION, TO ANY OTHERS THAN THE CONTRACTOR'S EMPLOYEES. THE CONTRACTOR SHALL MAINTAIN STAGING SHALL BE LIMITED TO DESIGNATED STAGING & STOCKPILE AREAS.
4. THE CONTRACTOR SHALL NOTE THAT IN CASE OF DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION.
5. THE CONTRACTOR SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL PLANS. THE CONTRACTOR SHALL BE CERTIFIED BY DNREC FOR EROSION AND SEDIMENT CONTROL RESPONSIBILITY.
6. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE AREA AND EXCAVATIONS WITHIN THE LIMITS OF CONSTRUCTION TO PROHIBIT PUBLIC ACCESS UNTIL COMPLETION OF THE PROJECT. AT A MINIMUM, ALL EXCAVATION SHALL BE BARRICADED WITH ORANGE SAFETY FENCE. THE CONTRACTOR'S PROCEDURE/METHOD FOR LIMITING ACCESS SHALL BE REVIEWED BY, AND COORDINATED WITH THE OWNER PRIOR TO THE START OF EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING OFF-SITE SPOIL AREAS FOR LEGAL DISPOSAL OF ANY EXCESS MATERIAL NOT ACCEPTED BY THE PARK AND/OR UNSUITABLE MATERIALS AS NECESSARY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. ALL COST FOR RECYCLING, TRANSPORTING TO, PROCESSING AND UTILIZING THE OFF-SITE SPOIL AREAS ARE TO BE PAID BY THE CONTRACTOR.
8. IN CASE OF CONFLICT BETWEEN THE "MANUFACTURER'S RECOMMENDATIONS" FOR AN APPROVED MATERIAL AND THE GOVERNING "CONTRACT SPECIFICATIONS" FOR THE MATERIAL, THE MORE RESTRICTIVE OF THE TWO SHALL PREVAIL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR PLANS PRESENT A COMMITMENT FOR THE RELATIONSHIP BETWEEN THE ENGINEER, EROSION CONTROL, ETC., ANY REVISIONS, DETAILS OR SEQUENCE SHOWN ON THE CONSTRUCTION PLANS SHALL BE PREPARED BY THE CONTRACTOR ON STANDARD DIMEC PLAN SHEETS AND SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER. THE PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE CURRENTLY APPLICABLE EROSION CONTROL AND SEDIMENT CONTROL (PREPARED BY A CERTIFIED CONSTRUCTION REVIEWER), STORM WATER MANAGEMENT, ETC. AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF DELAWARE. ALL REQUIRED CALCULATIONS, REPORTS, ETC. SHALL ALSO ACCOMPANY THE SUBMISSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION.
10. THE CONTRACTOR SHALL NOTE THAT THE REVISIONS TO THE CONSTRUCTION PLANS, AS WELL AS REVIEW COMMENTS, SHALL BE NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION.
11. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE IN ADVANCE FOR ANY UTILITY DISRUPTION FOR APPROVAL BY THE ENGINEER.

1. NOTIFY THE OWNER IN WRITING AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
2. PRIOR TO ANY CLEARING, INSTALLATION OF SEDIMENT CONTROL MEASURES OR GRADING, A PRE-CONSTRUCTION MEETING MUST BE HELD WITH THE CONSTRUCTION SITE REVIEWER, THE LANDOWNER/DEVELOPER, CONTRACTOR, AND THE COUNTY. PARTICIPATION IN THIS PRE-CONSTRUCTION MEETING IS REQUIRED BY THE COUNTY. PARTICIPATION IN THE PRE-CONSTRUCTION MEETING IS REQUIRED BY THE COUNTY. PARTICIPATION IN THE PRE-CONSTRUCTION MEETING IS REQUIRED BY THE COUNTY.
3. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LAIDEN RUNOFF OR WIND FROM LEAVING THE SITE. PERMITTEE CONTROLS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION OF THE SITE. SEDIMENTATION SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR REPAIR MEASURES IN TIMES OF EXTREME WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
4. CLEAR AND GRUB AS REQUIRED TO INSTALL STABILIZED CONSTRUCTION ENTRANCE, AND SF. ALL PERMITTEE CONTROLS ARE TO BE REVIEWED BY THE AGENCY CONSTRUCTION SITE REVIEWER AND APPROVED PRIOR TO PROCEEDING WITH FURTHER SITE DISTURBANCE OR CONSTRUCTION.
5. CONSTRUCT NEW PARKING GARAGE.
6. COMPLETE SITE GRADING, NEW PAVED AREAS, SIDEWALKS, AND UTILITIES.
7. PERMANENTLY STABILIZE ALL DISTURBED AREAS.
8. NOTIFY THE PERSON RESPONSIBLE FOR STORMWATER SYSTEM CONSTRUCTION REVIEW AT LEAST THREE (3) DAYS PRIOR TO THE START OF THE STORMWATER SYSTEM CONSTRUCTION; STORMWATER FACILITIES MUST BE REVIEWED THROUGHOUT THEIR CONSTRUCTION.
9. COMPLETE SITE GRADING AND PERMANENTLY STABILIZE ALL DISTURBED AREAS.
10. EROSION AND SEDIMENT CONTROL DEVICES SHOULD BE REMOVED ONLY AFTER WORK IN AN AREA HAS BEEN COMPLETED AND STABILIZED, WITH WRITTEN APPROVAL FROM THE AGENCY CONSTRUCTION SITE REVIEWER.
11. REMOVE ALL EROSION AND SEDIMENT CONTROLS.
12. THE TERMINATION OF THE CONSTRUCTION GENERAL PERMIT WILL REQUIRE SUBMISSION AND ACCEPTANCE OF THE POST CONSTRUCTION VERIFICATION REPORT, INCLUDING FINAL STABILIZATION THROUGHOUT THE SITE. ALL ELEMENTS OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN IMPLEMENTED, AND ACCEPTANCE OF THE FINAL OPERATION AND MAINTENANCE PLAN.

1. THE INTENT OF THIS PROJECT IS TO PROVIDE THE FOLLOWING IMPROVEMENTS AT DOWER LEGISLATIVE HALL:
 - 1.1. CONSTRUCTION OF NEW SIDEWALK FROM EXISTING SIDEWALK TO NEW FOOT PATH (25'x16'0" FOOTPRINT)
 - 1.2. CONSTRUCTION OF NEW PERMEABLE PARKING FOR VEHICLES
 - 1.3. CONSTRUCTION OF NEW SIDEWALK FOR PEDESTRIANS
 - 1.4. CONSTRUCTION OF NEW BRICK PATH FOR PEDESTRIANS
 - 1.5. INSTALLATION OF NEW BRICK RAMP
2. CLEARING AND GRUBBING IS ASSUMED TO EXCEED A MINIMUM OF SIX (6) INCHES BELOW EXISTING GRADE FOR THE CONSTRUCTION OF THE NEW PATH. CLEARING AND GRUBBING WITHIN THE LIMITS OF DISTURBANCE (LOA) SHALL INCLUDE REMOVING AND DISPOSING OF ALL TREES, VEGTATION, AND LIMBS.
3. TREES NOT DESIGNATED TO BE REMOVED SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT AND COMPACTION OF SOIL WITHIN THE DROP LINE WITH FENCING AND AS REQUIRED BY DELDOT STANDARD SPECIFICATION SECTION 015639 "TEMPORARY TREE AND PLANT PROTECTION".
4. EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES INVOLVED IN ORDER TO SECURE THE MOST CURRENT RECORD DRAWINGS AND ELEVATION. NO CONSTRUCTION SHALL BE UNDERTAKEN IN THE VICINITY OF UTILITIES UNTIL SUCH TIME AS WITHOUT NOTIFYING THEIR OWNERS AT LEAST 48-HOURS IN ADVANCE, THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNDISTURBED ACCESS TO ALL UTILITIES. ANY DAMAGE DONE TO THEM DUE TO HIS/HER NEGLIGENCE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE TO EXPOSE, TO THE DEPTH OF HIS/HER KNOWLEDGE, ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELAWARE. MISS UTILITY OF DELAWARE SHALL BE NOTIFIED TWO (2) CONSECUTIVE WORKING DAYS PRIOR TO ANY EXPOSURE.
5. THESE DRAWINGS DO NOT INCLUDE ANY HAZARDOUS MATERIALS THAT MAY OR MAY NOT EXIST WITHIN THIS SITE. IN THE EVENT THAT HAZARDOUS MATERIALS ARE LOCATED, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND CONTACT THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL EXCESS MATERIAL OFF SITE AND/OR PROVIDING ADEQUATE FINAL FILL. AS REQUIRED, THIS PROJECT IS ANTICIPATED TO GENERATE EXCESS MATERIAL.
7. CONVENTIONAL SURVEY AND BASE DRAWING PROVIDED BY CENTURY ENGINEERING.


ELEMENTS UNDER THIS CONTRACT SHALL BE CONSTRUCTED UTILIZING THE FOLLOWING INFORMATION IN THE HIERARCHY LISTED BELOW:

1. CONTRACT AGREEMENT BETWEEN OWNER AND CONTRACTOR.
2. APPROVED PLANS.
3. PROJECT MANUAL AND ENCLOSED TECHNICAL SPECIFICATIONS.
4. STATE OF DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL EROSION AND SEDIMENT CONTROL HANDBOOK, APRIL 2014 OR MOST CURRENT AT DATE OF ADVERTISEMENT.
5. DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS, 2020, OR MOST CURRENT AT ADVERTISEMENT.
6. DELAWARE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION, AUGUST 2020, OR MOST CURRENT AT DATE OF ADVERTISEMENT.

1. UNITED STATES ACCESS BOARD "OUTDOOR DEVELOPED AREAS - A SUMMARY OF ACCESSIBILITY STANDARDS FOR FEDERAL OUTDOOR DEVELOPED AREA".
2. DELDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - CURRENT EDITION.

The logo for Century Engineering, featuring the word "CENTURY" in a large, bold, serif font, with "ENGINEERING" in a smaller, bold, sans-serif font below it, separated by a horizontal line. To the right of the text is a stylized graphic of a building facade with vertical lines. Below the main text, it says "A Kleinfelder Company" in a smaller, italicized font.

ARCHITECT / ENGINEER SEAL



11/15/24

STATE OF DELAWARE
HB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT #MU1002000071
FOR
LEGISLATIVE HALL PARKING GARAGE
MARTIN LUTHER KING JR BLVD S AND E WATER ST
DOVER, DE 19901

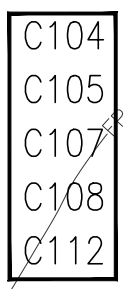
09/23/24 REVISED PER CITY OF DOVER D.A.C.
COMMENTS
11/15/24 REVISED PER CITY OF DOVER COMMENTS

PROJECT NOTES

JULY 8, 2024		
DRAWN TCV	CHK'D DLD	PROJECT NO. 23094
SHEET NO.		

C102

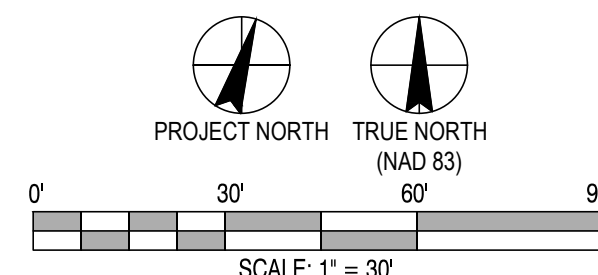
11/14/2024 8:10 PM 11/14/2024 8:10 PM



FLOODPLAIN AE BREAKDOWN

TOTAL IMPERVIOUS AREA (PRE-DEVELOPMENT):
1.62± ACRES (70,386 S.F.) 30.61%

TOTAL IMPERVIOUS AREA (POST-DEVELOPMENT):
1.72± ACRES (74,917 S.F.) 32.58%



CENTURY
ENGINEERING
A Kleinfelder Company

11/15/24

STATE OF DELAWARE
BB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT #MJ1002000071
FOR
LEGISLATIVE HALL PARKING GARAGE
MARTIN LUTHER KING, JR BLVD. S AND E WATER ST
DOVER, DE 19901

PROJECT	
REVISIONS	
09/23/24	REVISED PER CITY OF DOVER D.A.C. COMMENTS
11/15/24	REVISED PER CITY OF DOVER COMMENT

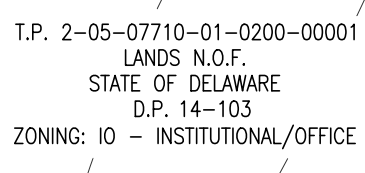
SHEET TITLE

OVERALL SITE PLAN

AGENCY SUBMISSION

JULY 8, 2024		
DRAWN	CHK'D	PROJECT NO.
TCV	DLD	23094
SHEET NO.		

C103

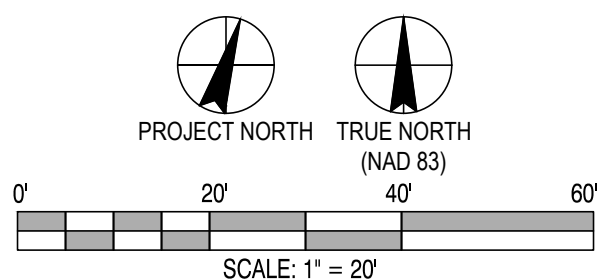


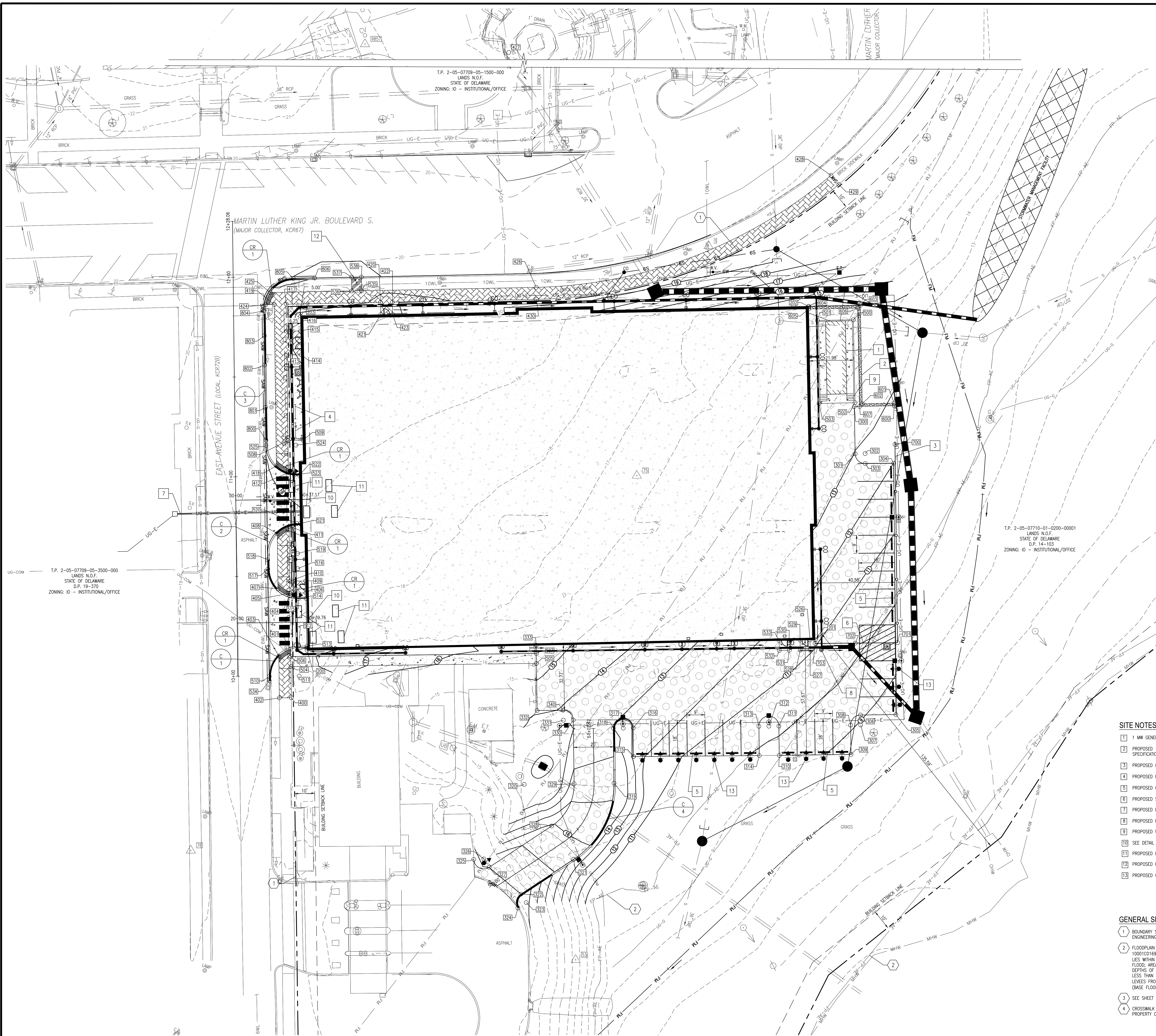
DEMOLITION NOTES:

- 1 CONTRACTOR SHALL REMOVE EXISTING GRASS, TREES AND SHRUBS.
- 2 CONTRACTOR SHALL REMOVE EXISTING ASPHALT SURFACING AND PAVEMENT BASE COURSES.
- 3 CONTRACTOR SHALL REMOVE EXISTING CONCRETE.
- 4 CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES, FENCE, AND STRUCTURES PRESENT, UNLESS OTHERWISE NOTED.
- 5 CONTRACTOR SHALL REMOVE EXISTING LANDSCAPING.
- 6 CONTRACTOR SHALL REMOVE EXISTING BRICK PATHWAY, SAWCUT TO NEAREST JOINT AS DIRECTED BY ENGINEER.
- 7 CONTRACTOR SHALL REMOVE ALL EXISTING CURB, UNLESS OTHERWISE NOTED. SAWCUT AT LIMITS EXISTING CURBS OR REMOVE TO NEAREST JOINTS AS DIRECTED BY THE ENGINEER.
- 8 CONTRACTOR SHALL REMOVE EXISTING LAMPS AND FOUNDATIONS, CONDUIT AND WIRING BACK TO SOURCE, STORE AT A LOCATION DETERMINED BY THE OWNER. REMOVE EXISTING LIGHT FIXTURES, REPLACE BULBS, RETURN ANY UNUSED LAMP POSTS TO FACILITIES MANAGEMENT.
- 9 CONTRACTOR SHALL RELOCATE ELECTRIC LINE PER MEP/ARCHITECT, AND REMOVE EXISTING
- 10 CONTRACTOR SHALL REMOVE EXISTING STORAGE CONTAINERS TO LOCATION DETERMINED BY OWNER.
- 11 CONTRACTOR SHALL CONVERT OR REPLACE EXISTING DRAINAGE MANHOLE INTO DRAINAGE INLET, SEE SHEET C108
- 12 CONTRACTOR SHALL REMOVE EXISTING BOLLARD.
- 13 CONTRACTOR SHALL REMOVE EXISTING RIPRAP AND EXISTENCE.
- 14 CONTRACTOR SHALL REMOVE EXISTING SIGNS (26) AND STORE AT A LOCATION DETERMINED BY THE OWNER.
- 15 CONTRACTOR SHALL REMOVE EXISTING FENCE.
- 16 FOR SIGNAGE ALONG MARTIN LUTHER KING JR. BOULEVARD S, SEE SHEET C110 FOR SIGNING DIRECTION.
- 17 CONTRACTOR SHALL ADJUST JUNCTION WELL.
- 18 CONTRACTOR SHALL REMOVE EXISTING STRIPPING VIA HYDRO-BLASTING OR SAND BLASTING.

1 FLOODPLAIN LINE TAKEN FROM FEMA PANEL NO. 10001C0167H, DATED 05/05/2003. THE SUBJECT PARCELS WITHIN ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD AND ZONE AE. (BASE FLOOD ELEVATIONS DETERMINED)

2 CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING FIRE HYDRANT.





BRICK POINT LAYOUT			
POINT NO.	NORTHING	EASTING	DESCRIPTION
300	421 324.6238	627351.8920	PERVIOUS P.W.M.T.
301	421 302.1855	627359.5562	PERVIOUS P.W.M.T.
302	421 303.7336	627364.1900	RADIUS: 5.00'
303	421 298.9759	627365.6599	PERVIOUS P.W.M.T.
304	421 283.4452	627379.2214	PERVIOUS P.W.M.T.
305	421 183.4452	627417.7782	PERVIOUS P.W.M.T.
306	421 177.9400	627400.8980	PERVIOUS P.W.M.T.
307	421 173.1872	627402.8480	RADIUS: 5.00'
308	421 171.6371	627397.6944	PERVIOUS P.W.M.T.
309	421 157.6969	627402.2400	PERVIOUS P.W.M.T.
310	421 146.5245	627386.0750	PERVIOUS P.W.M.T.
311	421 160.6456	627363.4680	PERVIOUS P.W.M.T.
312	421 158.9625	627358.7144	RADIUS: 5.00'
313	421 157.3465	627353.6607	PERVIOUS P.W.M.T.
314	421 143.4747	627358.0159	PERVIOUS P.W.M.T.
315	421 124.2187	627298.4545	PERVIOUS P.W.M.T.
316	421 137.8456	627294.0646	PERVIOUS P.W.M.T.
317	421 136.2955	627289.3109	RADIUS: 5.00'
318	421 134.7554	627284.5573	PERVIOUS P.W.M.T.

BRICK POINT LAYOUT			
POINT NO.	NORTHING	EASTING	DESCRIPTION
319	42108.5327	67293.1047	PERVIOUS P.M.T.
320	42109.5841	67250.3126	RADIUS: 45.00' & 25.00'
321	42106.6108	67285.1633	PERVIOUS P.M.T.
322	42101.5644	67285.0567	PERVIOUS P.M.T.
323	42103.3841	67268.9280	RADIUS: 5.00'
324	42101.4633	67265.4549	PERVIOUS P.M.T.
325	42103.1482	67237.3625	PERVIOUS P.M.T.
326	421052.8771	67242.0646	RADIUS: 5.00'
327	421048.7133	67245.9353	PERVIOUS P.M.T.
328	421078.7602	67269.6782	PERVIOUS P.M.T.
329	421102.3342	67274.0901	PERVIOUS P.M.T.
330	421127.1024	67264.1865	PERVIOUS P.M.T.
331	421131.1541	67259.4328	RADIUS: 5.00'
332	421131.8512	67245.4421	PERVIOUS P.M.T.
333	42116.9625	67235.3006	PERVIOUS P.M.T.
340	42121.9578	67257.8827	PERVIOUS P.M.T.

CONCRETE POINT LAYOUT			
POINT NO.	NORTHING	EASTING	DESCRIPTION
500	421366.0149	627338.5118	CONCRETE
501	421366.3624	627331.1456	CONCRETE
502	421366.5657	627351.6625	CONCRETE
503	421366.8173	627334.5663	CONCRETE
504	421371.5515	627121.0990	CONCRETE
505	421371.5626	627238.1179	CONCRETE
506	421371.9048	627119.5483	CONCRETE
507	421366.683	627236.5679	CONCRETE
508	421362.953	627085.9574	CONCRETE
509	421362.699	627098.3708	CONCRETE
510	42108.1653	627112.2012	CONCRETE
511	42112.8123	627136.6633	RADIUS: 15.00'
512	42127.0743	627131.0612	CONCRETE
513	42112.2843	627025.7231	CONCRETE
514	42151.0244	627118.1635	CONCRETE
515	42174.8919	627114.4491	CONCRETE
516	42154.0324	627109.5752	RADIUS: 15.00'
517	42160.3930	627095.5152	CONCRETE
518	42116.7432	627094.0435	CONCRETE
519	42113.2643	627107.3599	RADIUS: 15.00'
520	42185.4747	627102.6161	CONCRETE
521	42168.0118	627104.2271	CONCRETE

CONCRETE POINT LAYOUT			
POINT NO.	NORTHING	EASTING	DESCRIPTION
522	421208.9199	627096.5796	CONCRETE
523	421208.3048	627094.2083	CONCRETE
524	421222.8243	627094.2083	RAILUO: 15.00"
525	421218.0265	627076.1704	CONCRETE
526	421206.3652	627365.5309	CONCRETE
527	421201.6217	627367.1116	CONCRETE
528	421200.4410	627362.3681	CONCRETE
529	421204.7845	627360.7874	CONCRETE
530	421203.0590	627355.5789	CONCRETE
531	421198.3089	627357.1551	CONCRETE
532	421196.7282	627352.4116	CONCRETE
533	421201.1437	627350.8309	CONCRETE
534	421106.1135	627112.8698	CONCRETE
535	421356.3240	627098.9845	CONCRETE
536	421304.9059	627094.1511	CONCRETE
537	421311.5508	627092.0439	CONCRETE
538	421313.0811	627096.7181	CONCRETE

BRICK POINT LAYOUT			
POINT NO.	NORTHING	EASTING	DESCRIPTION
400	421.011.2911	627125.9389	
401	421.124.5372	627118.3546	BRICK
402	421.099.4323	627120.2341	BRICK
403	421.119.7874	627113.7648	BRICK
404	421.149.2780	627110.1277	BRICK
405	421.151.1295	627106.6899	BRICK
406	421.153.6056	627117.2831	BRICK
407	421.157.3771	627103.3374	BRICK
408	421.131.7777	627094.6518	BRICK
409	421.159.3099	627110.4320	BRICK
410	421.156.8339	627107.8928	BRICK
411	421.182.9854	627099.2889	BRICK
412	421.208.9655	627090.9551	BRICK
413	421.064.6061	627077.6862	BRICK
414	421.066.8363	627079.5226	BRICK
415	421.078.2376	627075.7559	BRICK
416	421.086.9625	627068.9645	BRICK
417	421.282.8719	627064.7147	BRICK
418	421.210.0270	627084.1735	BRICK
419	421.286.9392	627059.0984	BRICK

BRICK POINT LAYOUT			
POINT NO.	NORTHING	EASTING	DESCRIPTION
420	421303.7760	627109.6003	BRICK
421	421297.9127	627111.5594	BRICK
422	421305.6374	627115.2924	BRICK
423	421299.9102	627117.2514	BRICK
424	421285.5861	627055.0298	BRICK
425	421292.3672	627055.4039	BRICK
426	421334.2073	627181.9211	BRICK
427	421558.7712	627106.1582	RADIUS: 237'
428	421431.7893	627306.2696	BRICK
429	421428.5748	627131.3537	BRICK
430	421328.5221	627183.8392	BRICK

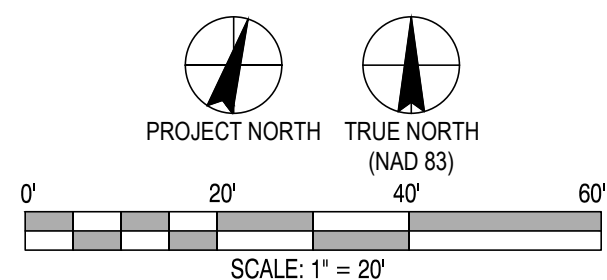
POINT NO.	NORTHING	EASTING	DESCRIPTION
200	421126.3000	627126.4056	BLDG
201	421207.1544	627367.8963	BLDG
202	421365.7414	627315.0300	BLDG
203	421285.2033	627073.4338	BLDG

POINT NO.	NORTHING	EASTING	DESCRIPTION
600	421330.9421	627370.8511	WALL
601	421332.2165	627370.4581	WALL
602	421327.1625	627355.2972	WALL
603	421373.9639	627339.6956	WALL
604	421365.7776	627315.1387	WALL
605	421364.5127	627315.5604	WALL
606	421372.2773	627338.8524	WALL
607	421325.4760	627354.4540	WALL

POINT NO.	NORTHING	EASTING	DESCRIPTION
700	421312.6165	627377.0119	FENCE
701	421218.0729	627407.8260	FENCE
702	421211.5981	627387.7213	FENCE
703	421205.4126	627368.4770	FENCE

POINT NO.	NORTHING	EASTING	DESCRIPTION
800	421220.7809	620705.3374	ASPHALT
801	421236.3107	620700.1997	ASPHALT
802	421256.5214	620663.5269	ASPHALT
803	421270.4798	6207059.0077	ASPHALT
804	421282.3711	620705.1341	ASPHALT
805	421302.2246	620664.3180	ASPHALT
806	421305.6254	620704.5181	ASPHALT

CURB SCHEDULE		
CURB NO.	ITEM DESCRIPTION/TYPE	LENGTH
1	P.C.C. CURB TYPE 1-6	29'
2	P.C.C. CURB TYPE 1-6	58'
3	P.C.C. CURB TYPE 1-6	122'
4	P.C.C. CURB TYPE 1-8	143'



SITE NOTES:

- 1 1 MW GENERATOR PAD, SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
- 2 PROPOSED 15'-8" TALL TREATED BRICK WALL, SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
- 3 PROPOSED 6'-0" DECORATIVE FENCE, SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
- 4 PROPOSED BIKE RACK TO ACCOMMODATE 18 BICYCLES, SEE DETAIL 7/C106.
- 5 PROPOSED CONCRETE PARKING BUMPER, SEE DETAIL 10/C106.
- 6 PROPOSED SLIDING GATE, SEE DETAIL 9/C106.
- 7 PROPOSED DIRECTIONAL BORE FOR UTILITY EXTENSION.
- 8 PROPOSED REMEDIONAL BOLLARD, SEE DETAIL 8/C106.
- 9 PROPOSED WALKWAY PLATFORM, SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
- 10 SEE DETAIL 13/C106 FOR TIE-IN OF CONCRETE APRON AND CONCRETE SLAB.
- 11 PROPOSED LOOP DETECTORS FOR ENTRANCES.
- 12 PROPOSED BUS STOP PAD, TYPE 1, SEE DELDOT DETAIL M-9.
- 13 PROPOSED CAPITOL POLICE PARKING SIGNAGE. (14)

GENERAL SITE NOTES:

- 1 BOUNDARY SHOWN HEREIN PREPARED BY CENTURY ENGINEERING, LLC, DATED OCTOBER 2023.
- 2 FLOODPLAIN LINE TAKEN FROM FEMA PANEL NO. 15010C0169J, DATED 07/07/2014. THE SUBJECT PARCEL LIES IN ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.) AND ZONE AE. (BASE FLOOD ELEVATIONS DETERMINED)
- 3 SEE SHEET C110, FOR EXTERIOR STRIPING PLANS.
- 4 CROSSWALK STRIPING MAINTENANCE WILL BE PERFORMED BY PROPERTY OWNER.

CONSULTANT

Century Engineering
A Kleinfelder Company

STUDIOJAED
ARCHITECTS ■ ENGINEERS ■ FACILITIES SOLUTIONS
Website: www.StudioJAED.com Email: info@StudioJAED.com


DELAWARE OFFICE 1000 ROAD, STE. 110
DOVER, DELAWARE 19901
P: (302) 832-1652

PROVIDENCE OFFICE STE. 403
PROVIDENCE, RHODE ISLAND 02903
P: (401) 468-0884

MARYLAND OFFICE P.O. BOX 244
CRIMPTON, MARYLAND 21036

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ARCHITECT / ENGINEER SEAL



11/15/24

STATE OF DELAWARE
 RB/DIVISION OF FACILITIES MANAGEMENT
 OMB/DFM CONTRACT #MJ1002000071
 FOR
LEGISLATIVE HALL PARKING GARAGE
 MARTIN LUTHER KING JR BLVD S AND E WATER ST
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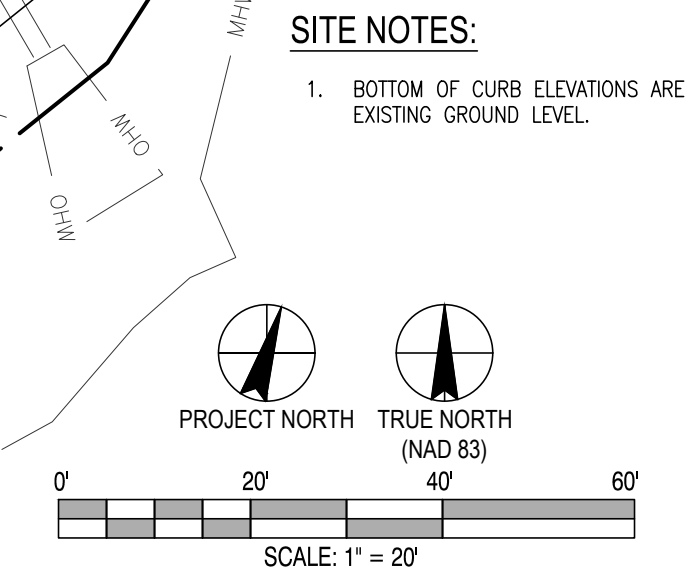
SITE LAYOUT

AGENCY SUBMISSION

DRAWN	CHK'D	PROJECT NO.
TCV	DLD	23094

C105

C106



C107

[illegible]

DRAINAGE INLET SCHEDULE							
STRUCTURE	BOX	TOP UNIT	GRATE	T.G. ELEV.	INVERT	NORTHING	EASTING
16	66"x66"	A	3	18.59	5.26	421349.915	627230.6767
17	66"x66"	A	3	14.69	4.33	421384.9376	627347.3534
18	66"x66"	A	3	6.31	3.52	421295.5190	627390.6630
19	66"x66"	A	3	5.42	2.63	421185.5960	627427.9853
20	34"x24"	A	3	10.25	6.55	421209.1618	627386.4991
21	34"x24"	A	3	11.65	7.69	421106.0563	627256.5844

DRAINAGE PIPE SCHEDULE							
PIPE ID	LENGTH	SIZE	TYPE	SLOPE	INLET	INVERT	OUTLET
1	30'	6"	HDPE	0.0050	15.00	14.82	
2	10'	8"	HDPE	0.0075	14.65	14.54	
3	3'	8"	HDPE	0.0203	14.54	14.46	
4	44'	8"	HDPE	0.0040	14.46	14.44	
5	55'	8"	HDPE	0.0074	14.28	13.83	
6	30'	10"	HDPE	0.0075	13.66	13.39	
7	25'	10"	HDPE	0.0075	13.39	13.20	
8	6'	10"	HDPE	0.0076	13.20	13.15	
10	35'	10"	HDPE	0.0075	12.94	12.67	
11	35'	12"	HDPE	0.0075	12.50	12.23	
12	59'	12"	HDPE	0.0075	12.23	11.78	
13	35'	12"	HDPE	0.0075	11.78	11.51	
14	35'	12"	HDPE	0.0075	11.51	11.24	
15	28'	12"	HDPE	0.0075	11.24	11.02	
16	81'	15"	HDPE	0.0033	10.77	10.50	
18	29'	6"	HDPE	0.0107	12.14	11.82	
19	109'	30"	RCP	0.0082	5.26	4.33	
20	95'	30"	RCP	0.0082	4.33	3.52	
21	112'	30"	RCP	0.0077	3.52	2.63	
22	36'	6"	HDPE	0.0278	13.50	12.50	
23	36'	6"	HDPE	0.0292	12.30	11.25	
24	19'	6"	HDPE	0.0835	11.05	9.50	
25	17'	8"	HDPE	0.1712	9.30	9.00	
26	9'	8"	HDPE	0.2227	8.70	8.50	
27	28'	8"	HDPE	0.0195	8.30	7.75	
28	16'	10"	HDPE	0.0224	7.55	7.20	
29	14'	15"	HDPE	0.0200	7.00	6.70	
30	46'	15"	HDPE	0.0314	6.50	5.00	
31	36'	6"	HDPE	0.0347	10.00	8.75	
32	13'	6"	HDPE	0.0227	8.55	8.25	

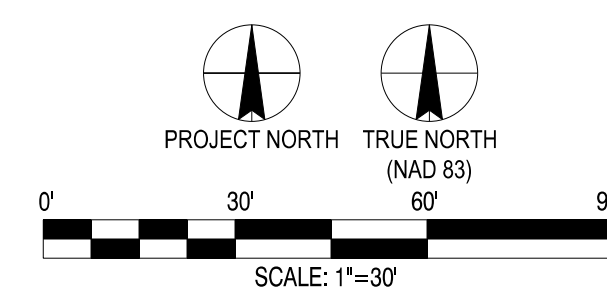
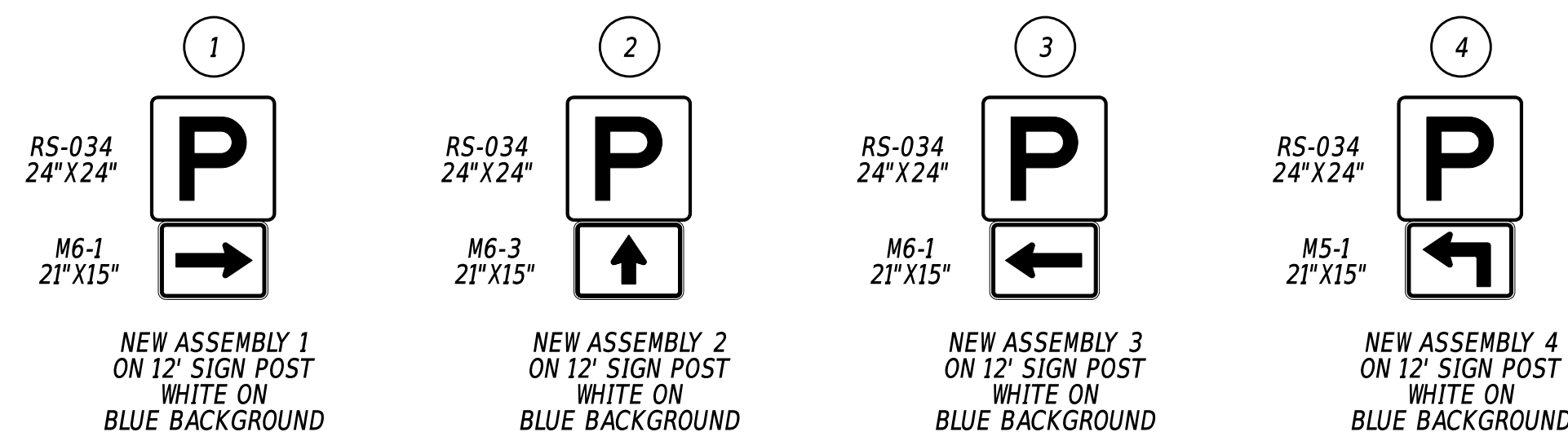
DRAINAGE CLEANOUT SCHEDULE			
CO. NO.	SIZE	TOP	PIPE INVERT
1	6"	16.37	15.00
2	6"	17.78	14.65
3	6"	18.85	14.46
4	6"	19.21	14.28
5	6"	19.37	13.66
6	6"	19.73	13.39
7	6"	20.05	12.94
8	6"	19.77	12.50
9	6"	18.39	12.23
10	6"	18.57	11.78
11	6"	17.19	11.51
12	6"	15.82	11.24
13	6"	14.69	10.77
14	6"	14.67	12.50
15	6"	12.71	12.14
22	6"	14.07	13.50
23	6"	13.08	12.30
24	6"	11.83	11.05
25	6"	11.07	9.30
26	6"	9.76	8.70
27	6"	9.26	8.30
28	6"	8.51	7.55
29	6"	12.83	10.00
30	6"	11.57	8.55

The diagram illustrates the difference between Project North and True North (NAD 83). It features two circular symbols representing north arrows. The left symbol, labeled 'PROJECT NORTH', shows a north arrow pointing slightly to the right of the vertical. The right symbol, labeled 'TRUE NORTH (NAD 83)', shows a north arrow pointing straight up. Below these symbols is a graphical scale bar marked from 0' to 60' in increments of 20'. The scale is labeled 'SCALE: 1" = 20''.


C108



8/7/2005 7:08 PM



ARCHITECT / ENGINEER SEAL



11/15/24

STATE OF DELAWARE
HB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT #MJ1002000071

LEGISLATIVE HALL PARKING GARAGE

MARTIN LUTHER KING JR BLVD AND E WATER ST
DOVER, DE 19901

R E V I S I O N S	
09/23/24	REVISED PER CITY OF DOVER D.A.C. COMMENTS
11/15/24	REVISED PER CITY OF DOVER COMMEN

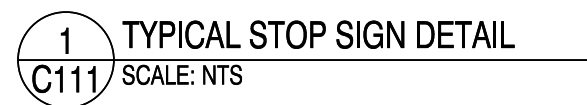
SHEET TITLE

SIGNING AND STRIPING
PLAN

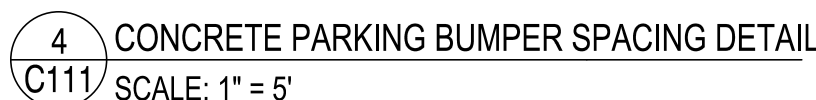
AGENCY SUBMISSION

JULY 8, 2024		
DRAWN	CHKD	PROJECT NO.
TCV	DLD	23094

C110



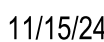
1. SQUARE TUBES ARE TO BE FORMED FROM GALVANIZED SHEET STEEL (PHYSICAL) (QUALITY, ASTMA A 446, GRADE 304, CANTING, DESIGNATION Q 80, REGULAR SPACING, OR HOT ROLLED CARBON STEEL, STEEL STRUCTURE (PHYSICAL) (QUALITY, ASTMA A 570, GRADE 33).
 - A. NOMINAL OUTSIDE DIMENSION, (INCHES):
 1. 2×2
 2. $2 \frac{1}{2} \times 2 \frac{1}{2}$
 3. $2 \frac{1}{2} \times 2 \frac{1}{2}$
 - B. ALL FOUR SIDES ARE TO HAVE EVEN SPACES $7/16"$ DIAMETER HOLES ON $1"$ CENTER THE ENTIRE LENGTH OF THE TUBE.
 - C. TOLERANCE ON HOLE SIZE IS $\pm 1/64"$, TOLERANCE ON HOLE SPACING IS $\pm 1/8"$ TO .002 FEET.
 - D. STANDARD CORNER RADIUS SHALL BE: $5/32" \pm 1/64"$.
 - E. THE FASTENERS TO BE SUPPLIED UNDER THIS SPECIFICATION SHALL BE: $5/16"$ GRADE 5 CORNER BOLTS WITH GALVAMOR OR ZINC PLATING, INSTALLATION OF SIGNS SHALL BE WITH $3/8" \times 1 \frac{1}{2}"$ WITH LOCKWASH AND WASHERS.
2. REGULATORY SIGNS MORE THAN $30"$ SHALL BE MOUNTED ON TWO POSTS. WHEN MORE THAN ONE REGULATORY SIGN IS TO BE INSTALLED ON THE SAME POST ASSEMBLY, THE MOUNTING HOLES SHALL BE DRILLED IN THE FIELD AS THE ASSEMBLY IS BEING CONSTRUCTED.
3. DEVELOPMENT SIGNS THAT ARE GREATER THAN $36"$ WIDE SHALL BE DISPLAYED ON TWO POSTS.
 - A. DEVELOPMENT SIGN FACE BACKGROUNDS SHALL BE GREEN; LEGENDS SHALL BE SILVER (WHITE).
 - B. LEGEND SHALL BE "F" SERIES.
 - C. NO BORDER ON DEVELOPMENT SIGN PANELS.
 - D. MAXIMUM DEVELOPMENT SIGN WIDTH OF $36"$ FOR SINGLE SIDE SIGNS, $54"$ FOR TWO OR MORE LINES.
 - E. THE SIGN SHALL BE PLACED WITHIN THE $100'$ - $0"$ WAY OF THE HIGHWAY OR WHEN THE ENTRANCE(S) IS (ARE) LOCATED. THE SIGNS SHALL BE PLACED WITHIN 750 FEET OF THE CENTERLINE OF THE ENTRANCE(S).



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no effect

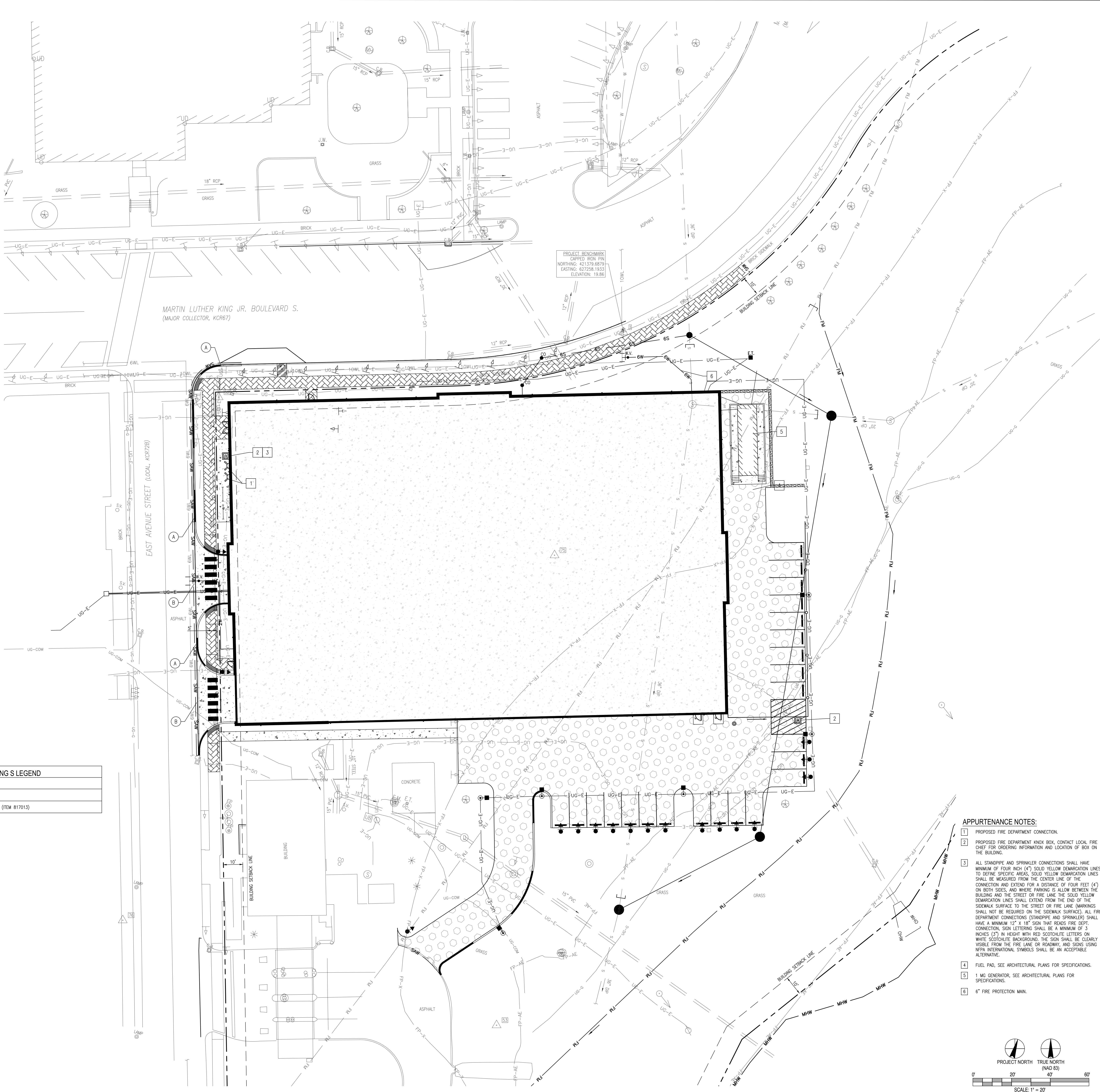
09/23/24	REVISED PER CITY OF DOVER D.A.C. COMMENTS
11/15/24	REVISED PER CITY OF DOVER COMMEN

SIGNING AND STRIPING DETAILS

JULY 8, 2024		
DRAWN	CHK'D	PROJECT NO.
TCV	DLD	23094


C111

DATA COLUMN	
1. COUNTY TAX MAP:	ED-05-077.10-01-02.00-000
2. APPLICATION NUMBER:	
3. ADDRESS OF SITE:	425 EAST AVENUE DOVER, DE. 19901
4. ZONING:	EXISTING: I0-INSTITUTIONAL/OFFICE H-HISTORIC DISTRICT PROPOSED: I0-INSTITUTIONAL/OFFICE H-HISTORIC DISTRICT
5. LOT AREA:	5.28± ACRES
6. SOURCE OF TITLE:	C-14-103
7. EXISTING USE:	PARKING LOT / BANK
8. PROPOSED USE:	PARKING GARAGE / BANK
9. DATUM:	EXISTING IRON PIN, SEE SHEET C103 VERTICAL - NAVD88 HORIZONTAL - NAD83
10. SETBACK:	FRONT: 10' SIDE: 10' REAR: 15'
11. MONUMENTS	EXISTING MONUMENTS: 0 EXISTING IRON PIPES: 6 PROPOSED MONUMENTS: 0
12. PROJECT SITE BREAKDOWN (5.28± ACRE):	
EXISTING SITE	
IMPERVIOUS:	70,386± S.F. (1.62± ACRES)
OPEN SPACE:	159,579± S.F. (3.66± ACRES)
OVERALL TOTAL:	229,965± S.F. (5.28± ACRES)
PROPOSED SITE	
IMPERVIOUS:	74,917± S.F. (1.72± ACRES)
OPEN SPACE:	155,048± S.F. (3.56± ACRES)
OVERALL TOTAL:	229,965± S.F. (5.28± ACRES)
PROPOSED INCREASE IN IMPERVIOUS AREA:	0.10± ACRES
13. FLOOD PLAN MAP	
PER FEMA MAP NUMBER 10001C0426, DATED MAY 5, 2003, THIS SITE LIES WITHIN ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.) AND ZONE AE. (BASE FLOOD ELEVATION 10)	
14. PURPOSE OF PLAN	
THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED 42,657± S.F. (127,972 S.F. TOTAL) THREE STORY PARKING GARAGE AND ASSOCIATED IMPROVEMENTS.	
15. DEBRIS DISPOSAL	
NO DEBRIS SHALL BE BURIED ON THE SITE. ANY BURIED DEBRIS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED FACILITY.	
16. TOPOGRAPHY	
TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS PREPARED BY CENTURY ENGINEERING, LLC, OCTOBER 2023.	
17. BOUNDARY SURVEY	
BOUNDARY SURVEY HEREON PREPARED BY CENTURY ENGINEERING, LLC, DATED OCTOBER 2023.	
18. WETLANDS	
A WATERS OF THE U.S. INVESTIGATION WAS PERFORMED IN JANUARY, 2024 BY CENTURY ENGINEERING, LLC. NO WETLANDS OR WATERS OF THE U.S. WERE PRESENT WITHIN WORK LIMITS.	
19. PROPOSED SIGNAGE	
ALL PROPOSED MONUMENT SIGNS AND OTHER SIGNAGE IS SUBJECT TO A SEPARATE SIGN PERMIT APPLICATION REVIEW PROCESS.	
20. OWNER/EQUITABLE OWNER	
DIRECTOR, DIVISION OF FACILITIES MANAGEMENT OFFICE OF MANAGEMENT + BUDGET 122 MARTIN LUTHER KING JR. BLVD S DOVER, DE 19901 (302) 735-6544 JENNIFER COVERDALE, MBA	
21. ENGINEER	
CENTURY ENGINEERING, LLC 250 BAY ROAD DOVER, DE 19901 (302) 734-9188 ALEX SCHMIDT, P.E.	



APPEARANCE NOTES:

1. PROPOSED FIRE DEPARTMENT CONNECTION.
2. PROPOSED FIRE DEPARTMENT KNOX BOX, CONTACT LOCAL FIRE CHIEF FOR ORDERING INFORMATION AND LOCATION OF BOX ON THE BUILDING.
3. ALL STANDPIPE AND SPRINKLER CONNECTIONS SHALL HAVE MINIMUM OF FOUR (4") SOLID YELLOW DEMARICATION LINES TO DEFINE SPECIFIC AREAS, SOLID YELLOW DEMARICATION LINES SHALL BE DERIVED FROM THE CENTER LINE OF THE CONNECTION AND EXTEND FOR A DISTANCE OF FOUR FEET (4') ON BOTH SIDES, WHERE PARKING IS ALLOW BETWEEN THE BUILDING AND STREET, SOLID YELLOW DEMARICATION LINES SHALL EXTEND FROM THE END OF THE STANDPIPE OR SPRINKLER CONNECTION TO THE CURB, ACCESS SHALL NOT BE REQUIRED ON THE SIDEWALK SURFACES, ALL FIRE DEPARTMENT CONNECTIONS (STANDPIPE AND SPRINKLER) SHALL HAVE SOLID RED LETTERING "FIRE DEPARTMENT CONNECTION, SIGN LETTERING SHALL BE A MINIMUM OF 3" INCHES (3") IN HEIGHT WITH RED SCOTCHOTE LETTERS. ALL SOLID YELLOW DEMARICATION LINES SHALL BE CLEARLY VISIBLE FROM THE FIRE LANE OR ROADWAY, AND SIGNS USING INTERNATIONAL SYMBOLS SHALL BE AN ACCEPTABLE ALTERNATIVE.
4. FUEL PAD, SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
5. 1 MG GENERATOR, SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
6. 6" FIRE PROTECTION MAN.



STUDIOJAED

ARCHITECTS ■ ENGINEERS ■ FACILITIES SOLUTIONS

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ARCHITECT / ENGINEER SEAL

PROJECT

STATE OF DELAWARE

OMB/DIVISION OF FACILITIES MANAGEMENT

OMB/DFM CONTRACT #MJ1002000071

FOR

LEGISLATIVE HALL PARKING GARAGE

MARTIN LUTHER KING JR BLVD S AND E WATER ST

DOVER, DE 19901

REVISIONS

09/23/24

REVISED PER CITY OF DOVER D.A.C. COMMENTS

11/15/24

REVISED PER CITY OF DOVER COMMENTS

SHEET TITLE

FIRE MARSHAL PLAN

AGENCY SUBMISSION

JULY 8, 2024

DRAWN

CHKD

PROJECT NO.

TCV

DLD

23094

SHEET NO.

C112



PLANTING NOTES

- ## MINIMUM LANDSCAPE MAINTENANCE REQUIREMENTS

1. Lawn areas shall be mowed to a height of 2 to 3 inches and not allowed to reach a height of 4 inches before mowing.
2. All curbs and walks shall be edged as needed.
3. All lawn areas adjacent to building faces or structures shall be trimmed.
4. A slow release nitrogen balanced fertilizer with a 2-1-1 ratio shall be applied at a rate of 2 pounds of nitrogen per 1000 square feet in September, October, and February.
5. Lime shall be applied at the rate determined by soil test.
6. It is recommended that lawn areas be treated in mid-March to early April with pre-emergent herbicide (Betasan or equal) applied at the manufacturer's rate.
7. A pre-emergent herbicide (Trimec or equal) is recommended to be sprayed on lawn areas in the late spring or early fall. Follow manufacturer's rates and recommendations.
8. Insecticides and fungicides are recommended for insect and disease control.
9. All lawn areas of lawn as necessary. Vase aeration is recommended.
10. All trash, litter, and debris shall be removed from lawn areas, parking lots, and shrub beds as needed.
11. Munch all shrub and groundcover beds yearly with 3 inches of shredded hardwood bark.
12. All trees and shrubs shall be maintained and watered according to the Delaware State Department of Agriculture for details.
13. Prune trees in accordance with Landscape Specification Guidelines for Delaware-Eastern Shore Maryland Areas.

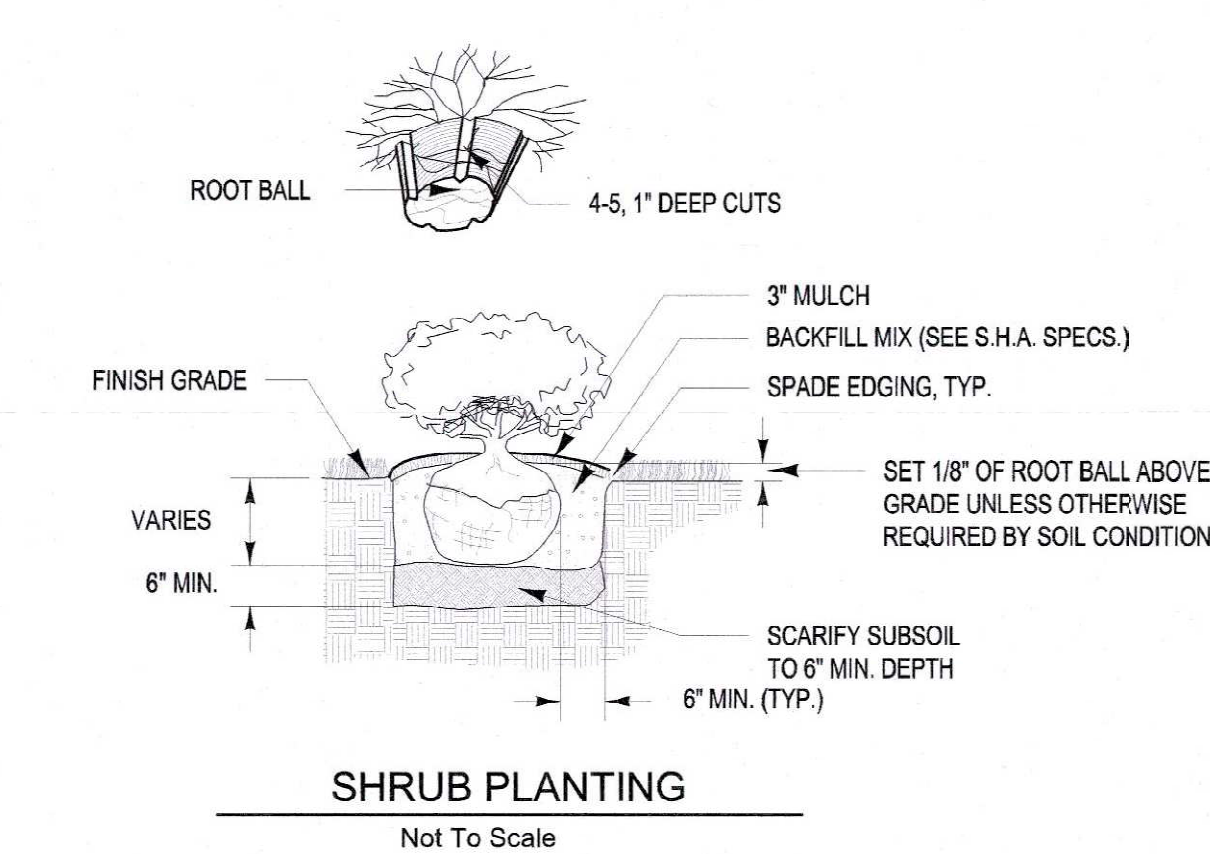


Signature Michael Pavanuzzi Print Name _____
Date 10/10/04 _____

Affix Seal



-
- Diagram illustrating the planting technique for a shrub. The top part shows a shrub with a root ball, with labels: "ROOT BALL" and "4-5, 1\"



ARCHITECT / ENGINEER SEAL

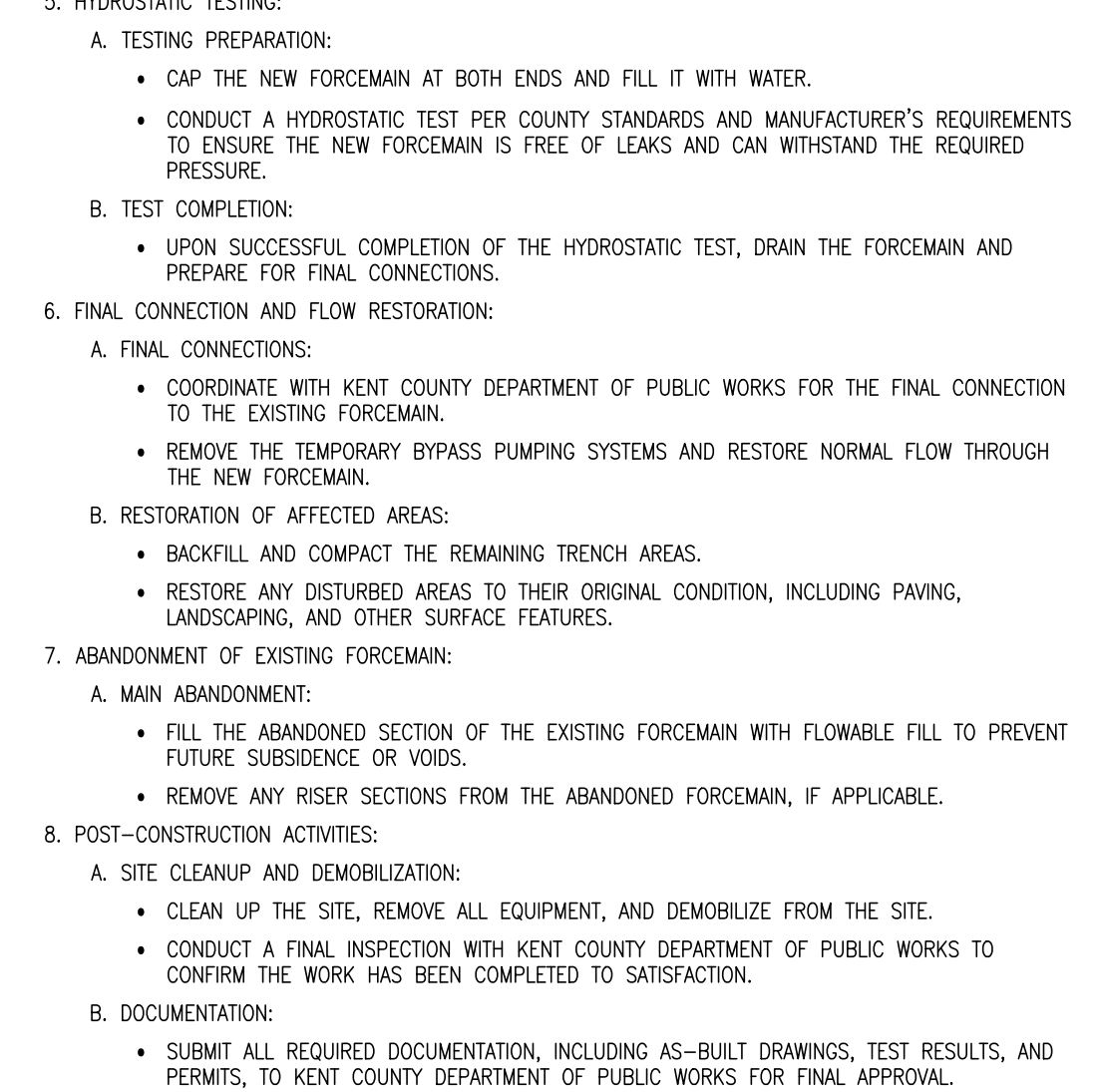
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09/23/24	REVISED PER CITY OF DOVER D.A.C. COMMENTS
11/15/24	REVISED PER CITY OF DOVER COMMENTS

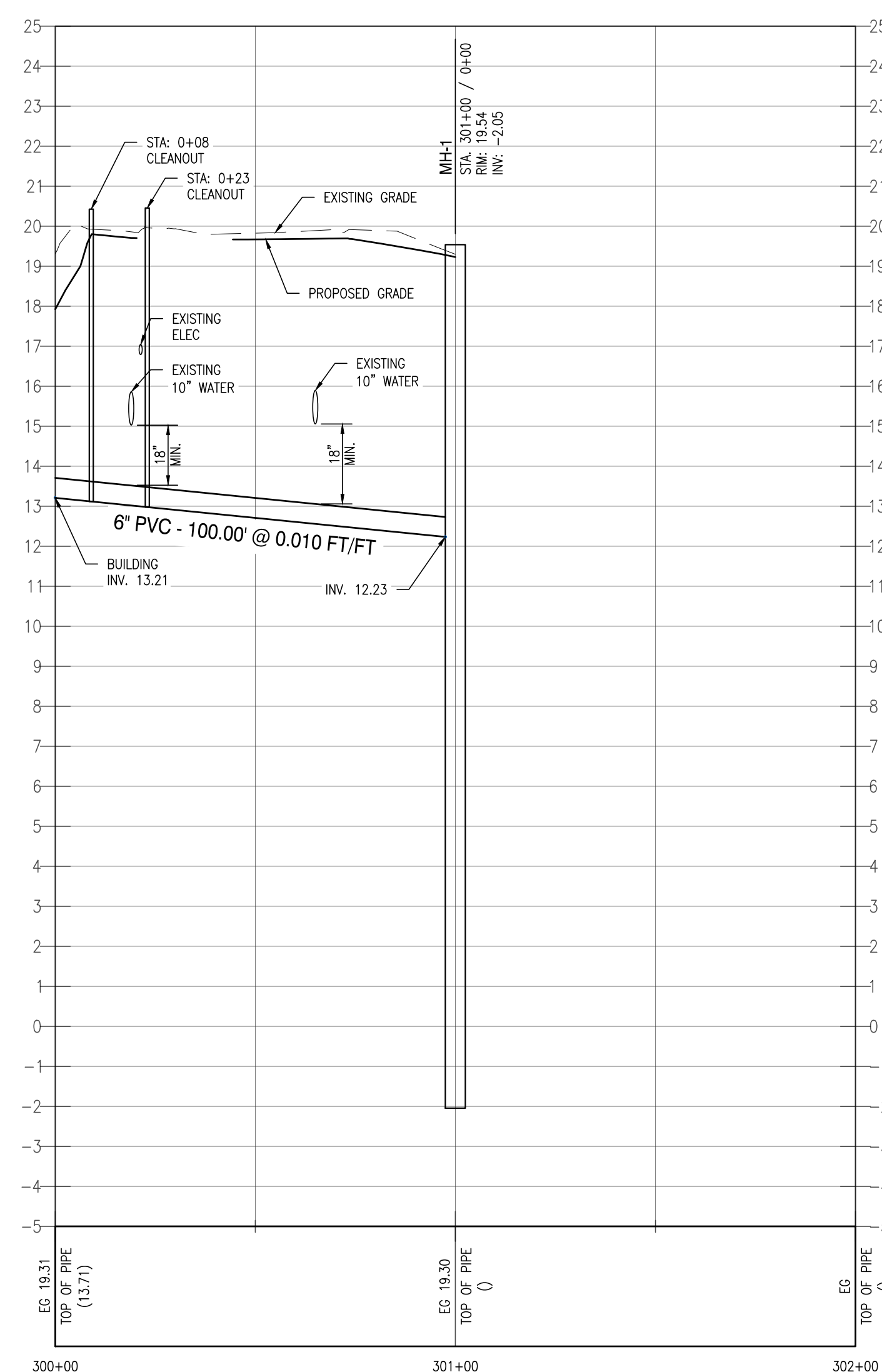
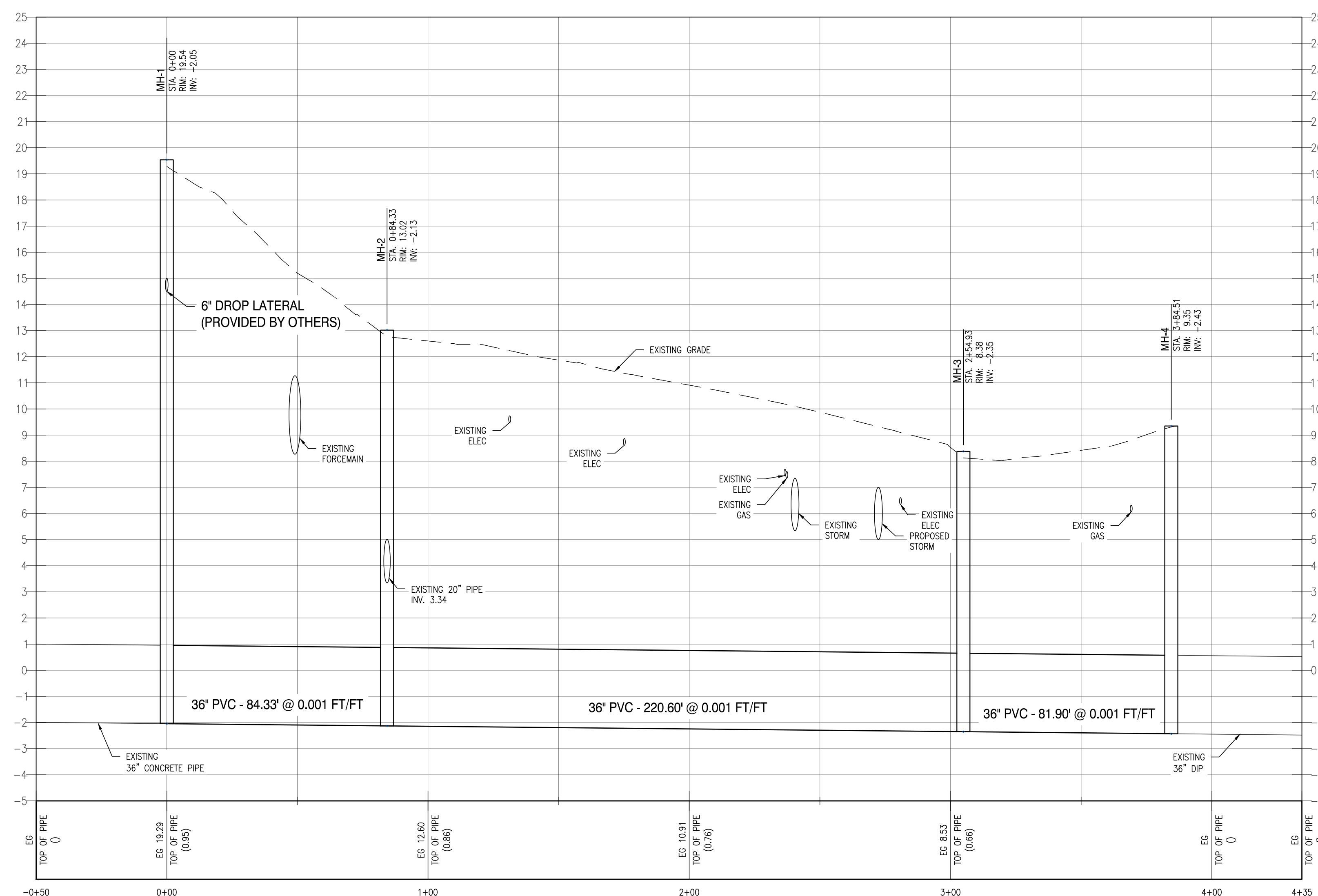
LANDSCAPE PLAN

JULY 8, 2024		
DRAWN TCV	CHK'D DLD	PROJECT NO. 23094
SHEET NO.		

C113



11/15/2024 9:46 AM



NO.	TYPE	DIAMETER	RIM	DEPTH	IN	OUT
1	TYPE II - STANDARD	60"	19.54	21.59	-2.05	-2.05
2	TYPE II - STANDARD	60"	13.02	15.16	-2.13	-2.13
3	TYPE II - STANDARD	60"	10.08	8.38	-2.35	-2.35
4	TYPE II - STANDARD	60"	9.35	11.78	-2.43	-2.43

PROPOSED PIPE SCHEDULE						
NO.	SIZE	MATERIAL	LENGTH	SLOPE	START	END
1	36"	PVC	84.33	0.001	-2.05	-2.13
2	36"	PVC	220.60	0.001	-2.13	-2.35
3	36"	PVC	81.90	0.001	-2.35	-2.43

1. DUE TO SITE CONSTRAINTS SHORING OF THE EXCAVATED AREA MAY BE REQUIRED FOR MANHOLE INSTALLATION. DEWATERING OF THE EXCAVATED AREA IS ANTICIPATED. CONTRACTOR TO PROVIDE DEWATERING PLAN FOR OWNER AND CONSERVATION DISTRICT APPROVAL. THERELOCATION OF THE SANITARY FORCEMAIN SHALL BE PERFORMED BEFORE THE RELOCATION OF THE GRAVITY SANITARY SEWER.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMISSION OF A ONE (1) YEAR MAINTENANCE BOND ("WARRANTY"), AFTER THE SUCCESSFUL INSTALLATION, TESTING, & INSPECTION OF THE FORCE-MAIN.

1. PRE-CONSTRUCTION ACTIVITIES:
 - A. SITE PREPARATION:
 - MOBILIZE EQUIPMENT AND MATERIALS TO THE SITE.
 - INSTALL SEGMENT AND EROSION CONTROL MEASURES.
 - CONDUCT A PRE-CONSTRUCTION MEETING TO REVIEW THE SEQUENCE AND SAFETY PROCEDURES.
 - SET UP A BYPASS PUMPING SYSTEM TO DIVERT FLOW FROM THE EXISTING 36" TRUNK LINE AND THE 20" SIDE SANITARY MAIN.
 - CONTRACTOR TO CONTACT MUNICIPALITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.
 - B. BYPASS PUMPING:
 - A. BYPASS INSTALLATION:
 - INSTALL TRUNK/BYPASS PIPING AND PUMPING EQUIPMENT FOR BOTH THE 36" TRUNK LINE AND THE 20" SIDE SANITARY MAIN.
 - CONNECT THE BYPASS SYSTEM TO THE EXISTING MANHOLES UPSTREAM AND DOWNSTREAM OF THE WORK AREA.
 - TEST THE BYPASS SYSTEM TO ENSURE IT CAN HANDLE THE ANTICIPATED FLOW.
3. DEMOLITION AND REMOVAL:
 - A. MANHOLE MH-4:
 - EXCAVATE AROUND EXISTING MH-4.
 - CAREFULLY REMOVE THE EXISTING MANHOLE WHILE MAINTAINING THE INTEGRITY OF THE CONNECTED PIPES.
 - TEMPORARILY CAP THE EXISTING PIPES TO PREVENT DEBRIS FROM ENTERING THE SYSTEM.

CONSULTANT

m CENTURY ENGINEERING
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10/15/24

STATE OF DELAWARE
HB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT #MJ1002000071
FOR
LEGISLATIVE HALL PARKING GARAGE
MARTIN LUTHER KING JR BLVD S AND E WATER ST
DOVER, DE 19901

PROJECT

REVISIONS

09/23/24	REVISED PER CITY OF DOVER D.A.C.
	COMMENTS
11/15/24	REVISED PER CITY OF DOVER COMMENT:

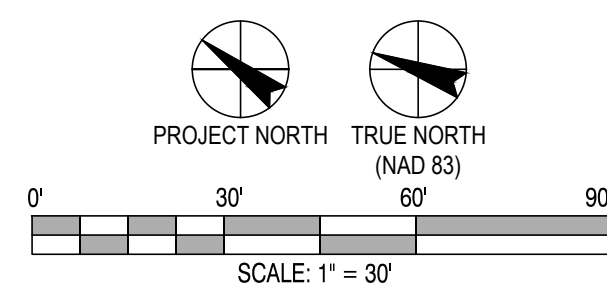
SHEET TITLE

SANITARY (GRAVITY) RELOCATION

AGENCY SUBMISSION

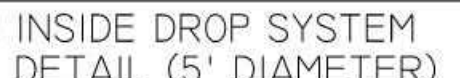
JULY 8, 2024		
DRAWN	CHK'D	PROJECT NO.
DS	AJ	23094

SAN115





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1. ALL CONCRETE SHALL BE 3,000 P.S.I.
2. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 3000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I. WHERE PRESSURE IS LESS THAN 3,000 P.S.F. SPECIAL BUTTRESS DESIGN IS REQUIRED.

1 BUTTRESSES FOR CAPS AND HORIZONTAL BENDS
SAN105 SCALE: N.T.S.



K* FOR COMPACT FITTINGS

2 BUTTRESSES FOR TEES
SAN105 SCALE: N.T.S.



NOTES:

1. ALL CONCRETE SHALL BE 4,000 P.S.I.
2. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED EARTH.
3. ALL BACKFILL IN FRONT OF THE ANCHOR SHALL BE CAREFULLY COMPACTED.
4. ANCHOR DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 3,000 P.S.F. AND WATER PRESSURE OF 150 P.S.I. WHERE PRESSURE EXCEEDS 150 P.S.I. OR WHERE SOIL BEARING PRESSURE IS LESS THAN 3,000 P.S.F. SPECIAL ANCHOR DESIGN IS REQUIRED.
5. SPECIAL BOLTS ARE 24" INCHES LONG, THREADED 7" WITH 2" HOOK AND EQUIPPED WITH 2 STANDARD NUTS.

3 ANCHOR FOR 12" AND LARGER PLUGS
SAN105 SCALE: N.T.S.



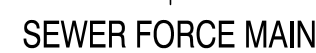
NOTES:

1. WHERE PIPE IS TO BE INSTALLED WITH JOINT DEFLECTIONS, TRENCH WIDTH SHALL BE INCREASED SO THAT THE PIPE CAN BE INSTALLED STRAIGHT INTO THE JOINT BEFORE DEFLECTING. GABC, TYPE B SHALL BE PLACED TO MINIMUM TRENCH WIDTH CENTERED ON FINAL PIPE ALIGNMENT.



1. ALL SET SCREWS ARE 5/8" SIZE WITH HARDENED CUPPED ENDS AND 5/8" SQUARE HEADS.
2. SIZES 16" THROUGH 30" ARE FOR INSTALLATION ON DUCTILE IRON PIPE ONLY.
3. TIGHTEN SET SCREWS EVENLY TO 80 FOOT POUNDS ON 3"-12" GLANDS AND 65 FOOT POUNDS ON 16"-30" GLANDS.
4. MECHANICAL JOINT D.I. PIPE AND FITTINGS ONLY
5. PRESSURE IN 3RD COLUMN IS TOTAL PRESSURE (OPERATING PLUS SURGE)
6. A TORQUE WRENCH SHALL BE USED ON ALL SET SCREW INSTALLATION.

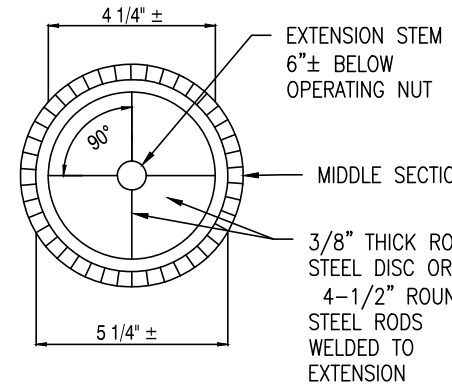
5 MECHANICAL JOIN RETAINER GLAD
SAN105 SCALE: N.T.S.



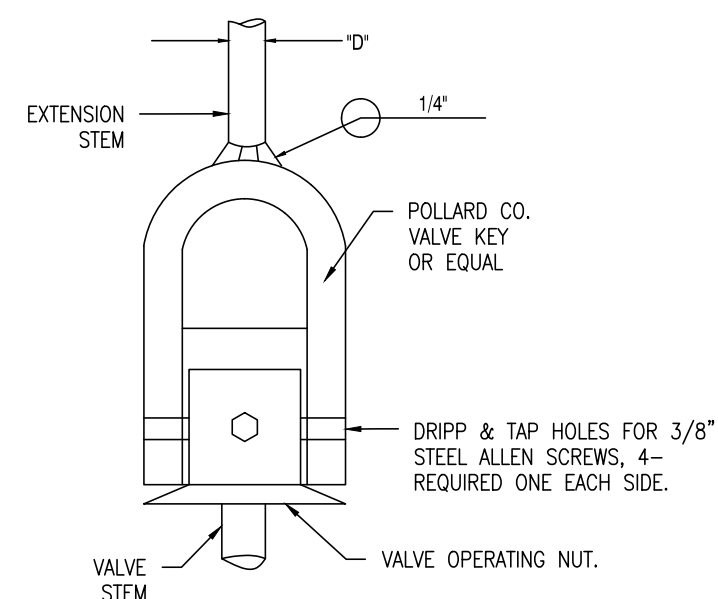
NOTES

1. PLASTIC MARKER SHALL BE GREEN IN COLOR.
2. PLASTIC MARKER SHALL BE LABELED "KENT COUNTY SEWER"
3. PLASTIC MARKER SHALL BE SPACED EVERY 300 FEET FROM BOTH SIDES OF ANY ROADWAY OR JUNCTION CROSSING.

6 STANDARD MARKER FOR SEWER FORCE MAINS IN EASEMENTS
SAN105 SCALE: N.T.S.

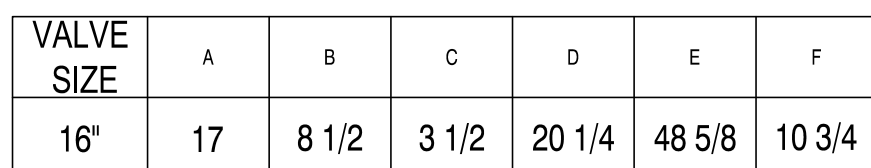


EXTENSION STEM DIAMETER "D"	VALVE SIZE				
	3"	4"	6"	8"	10"
	7/8"	7/8"	1"	1-1/8"	1-1/4"
	12"	14"	16"	20"	24"
	1-1/4"	1-3/8"	1-1/2"	1-3/4"	1-3/4"
	30"	36"	42"	48"	
	1-3/4"	1-3/4"	2"	2"	

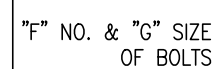


1. SCREENS SECURING VALVE KEY TO VALVE NUT TO BE FLUSH WITH VALVE KEY.
2. EXTENSION STEM TO BE SECURELY WELDED TO VALVE KEY.
3. LENGTH OF STEM TO BE SUCH THAT OPERATING NUT WILL BE LOCATED AS PRESCRIBED ABOVE.
4. WELD 4-1/2" ROUND STEEL RODS OR 3/8" THICK ROUND STEEL PLATE TO EXTENSION STEM TO INSURE OPERATING NUT IS CENTRALLY LOCATED WITHIN VALVE BOX.
5. AFTER COATS OF BITUMINOUS COATING TO ALL STEEL.
6. THIS STANDARD DETAIL IS TO BE USED WHEN DISTANCE FROM TOP OF OPERATING NUT OF VALVE TO FINISHED GRADE OR GROUND EXCEEDS 4'-0"
7. ALL CONSTRUCTION TO BE PLUMB.

1 EXTENSION STEMS & VALVE BOXES FOR DEEP SETTINGS
 SAN106 SCALE: N.T.S.



3 16" R/W GATE VALVE
SAN106 SCALE: N.T.S.



1. ALL VALVES SHALL BE MANUFACTURED IN THE USA.
2. DESIGN AND MANUFACTURE CONFORM TO ANWA C509
3. VALVE CONNECTION TO PIPE SHALL BE BY MECHANICAL JOINT.
4. FACE TO FACE DIMENSIONS CONFORM TO ANSI B16.10(125)LB
5. RUBBER MATERIAL MAY BE ALSO OR EPDM ETC.
6. ALL VALVE AND PLATE SURFACES SHALL BE PAINTED WITH EPOXY RESIN PAINT
7. ALL VALVES SHALL HAVE AN EXTENDED VALVE STEM TO APPROXIMATELY 18 INCHES (MN.) BELOW FINISHED GRADE. VALVE BOX SHALL BE EXTENDED TO GRADE.
8. LNE DIP G.V. WITH PROTECTO 401 CERAMIC EPOXY OR EQUIVALENT.

VALVE SIZE	A	B	C	D	E	F	G
20"	27.01	-	21.50	48.25	-	14	0.88

4 20" R/W GATE VALVE
SAN106 SCALE: N.T.S.