

## GENERAL NOTES:

APPLICANT/OWNER  
PRINCETON HEALTHCARE SYSTEM  
A NEW JERSEY NONPROFIT CORPORATION  
D/7/1993  
PRINCETON HEALTH  
1 PLAINSBORO ROAD  
PLAINSBORO, NJ 08536  
(609) 430-7101

I HEREBY CERTIFY THAT I AM THE OWNER OF RECORD OF THE PROPERTY HEREIN DEPICTED AND THAT I CONCUR WITH THE FILING OF THIS PLAN.

MR. JAMES DEMETRIADES, PRESIDENT OF PENN MEDICINE PRINCETON HEALTH

1. THE PROJECT TRACT IS KNOWN AS BLOCK 1701, LOT 3.01, LOCATED IN THE TOWNSHIP OF PLAINSBORO, MIDDLESEX COUNTY, NEW JERSEY. THE PROJECT TRACT CONTAINS APPROXIMATELY 49.42 +/- ACRES AND CURRENTLY CONTAINS THE HOSPITAL WITH ASSOCIATED PARKING LOTS.
2. TOPOGRAPHIC INFORMATION SHOWN TAKEN FROM MAPS ENTITLED "TOPOGRAPHIC SURVEY PENN MEDICINE PRINCETON MEDICAL CENTER PLAINSBORO, LOTS 3.01 & 4.04, BLOCK 1701" LOCATED IN THE TOWNSHIP OF PLAINSBORO, MIDDLESEX COUNTY, NEW JERSEY, PREPARED BY FRENCH & PARRELLO ASSOCIATES, DATED 08/04/2022, REVISED TO 09/29/2024. THE VERTICAL DATUM IS NAVD 88.
3. BOUNDARY INFORMATION SHOWN TAKEN FROM MAPS ENTITLED "BOUNDARY SURVEY PENN MEDICINE PRINCETON MEDICAL CENTER AT PLAINSBORO, LOT 3.01, BLOCK 1701" LOCATED IN THE TOWNSHIP OF PLAINSBORO, MIDDLESEX COUNTY, NEW JERSEY, PREPARED BY FRENCH & PARRELLO ASSOCIATES, DATED 08/04/2022.
4. THIS PROPERTY IS LOCATED IN THE IMOC, HEALTH/MEDICAL OFFICE COMPLEX ZONE, AS PER THE "AMENDED REDEVELOPMENT PLAN FOR THE PRINCETON HEALTHCARE SYSTEM AT PLAINSBORO SITE" PREPARED BY PHILLIPS PRESS GRYGEL LLC, ADOPTED MARCH 13, 2013. ALSO, THE PROPERTY HAS BEEN DESIGNATED FOR REDEVELOPMENT BY THE TOWNSHIP OF PLAINSBORO AS PER THE JANUARY 23, 2008 REPORT PREPARED BY PHILLIPS PRESS SHAPIRO ASSOCIATES INC. PLANNING AND REAL ESTATE CONSULTANTS.
5. THE APPLICANT IS PROPOSING TO CONSTRUCT A PROPOSED CANCER CENTER AND IMAGING CENTER.

## ZONING DATA TABLE - CANCER CENTER

BULK STANDARDS BASED ON REDEVELOPMENT PLAN	REQUIREMENTS HOSPITAL/MEDICAL OFFICE COMPLEX	EXISTING HOSPITAL/MEDICAL OFFICE COMPLEX	PROPOSED CANCER CENTER
MINIMUM LOT AREA	40 ACRES	49.42 ACRES	NO CHANGE
MINIMUM LOT FRONTAGE	700 FEET	1,438.13 FEET	NO CHANGE
MINIMUM BUILDING SETBACKS FROM PERIMETER LOT LINES	75 FEET	116.83 FEET	166.17 FEET
MINIMUM SETBACK OF BUILDING TO DRIVEWAYS AND PARKING LOTS	5 FEET	5 FEET	9.9 FEET
MINIMUM SETBACK OF PARKING AREAS FROM PERIMETER LINES, ROUTE 1, PLAINSBORO ROAD AND PUNA BOULEVARD - OTHER LOT LINES	50 FEET 25 FEET	53.22 FEET* N/A	53.22 FEET* N/A
MINIMUM SETBACKS BETWEEN BUILDINGS AND PARKING GARAGE	10 FEET	N/A	N/A
MAXIMUM BUILDING HEIGHT (FEET/STORIES)	175 FEET/10 STORIES	121 FEET/7 STORIES	88.46 FEET/4 STORIES PLUS MECHANICAL LEVEL
MAXIMUM FLOOR AREA RATIO (FAR)	0.60	0.39 (TOTAL 846,652)	0.46 (989,211)**
MAXIMUM IMPERVIOUS COVERAGE ON LOT	60%	57.16% (28.25 AC)	57.36% (28.35 AC)

\* SETBACK FROM PUNA BOULEVARD.  
\*\* THE TOTAL BUILDING AREA FOR THE CCIC IS 200,876 SF. THE CCIC HAS A GFA OF 154,559 SF. A 12,000 SF PORTION OF THE FORMER FITNESS CENTER WILL BE DEMOLISHED. THEREFORE THE INCREASE IN GFA IS 142,559 SF.

## 6. PARKING REQUIREMENTS:

DISPLACED PARKING FROM CANCER CENTER PROJECT: 176 SPACES  
DISPLACED PARKING FROM PARKING GARAGE: 182 SPACES  
TOTAL DISPLACED: 358 SPACES

28,210 SF OF RENOVATION OF FORMER FITNESS CENTER: 113 SPACES

## REQUIRED PARKING FOR CANCER CENTER PROJECT:

4 PER 1,000 SF OF GFA  
154,559 SF REQUIRES 619 PARKING SPACES  
TOTAL REQUIRED 358 + 113 + 619 = 1,090 SPACES

BASED ON ORDINANCE 101-13.8.E.(2), EV OR EV READY SPACES SHALL COUNT AS AT LEAST TWO PARKING SPACES FOR THE PURPOSE OF DETERMINING THE REQUIRED PARKING SPACE REQUIREMENT. THIS SHALL RESULT IN A REDUCTION OF NO MORE THAN 10% OF THE TOTAL REQUIRED PARKING SPACES. THEREFORE, 50 EV AND EV READY SPACES WILL REDUCE THE PARKING REQUIREMENT BY 50 PARKING SPACES FOR A TOTAL OF 1,040 REQUIRED PARKING SPACES FOR THE CANCER CENTER. THIS IS NOT MORE THAN 10% OF THE REQUIRED PARKING (10% OF 1,090 IS 105 SPACES).

## PARKING PROVIDED:

1,161 SPACES WITHIN THE PARKING GARAGE

## PARKING RECONFIGURATION AS PART OF THE CCIC PROJECT:

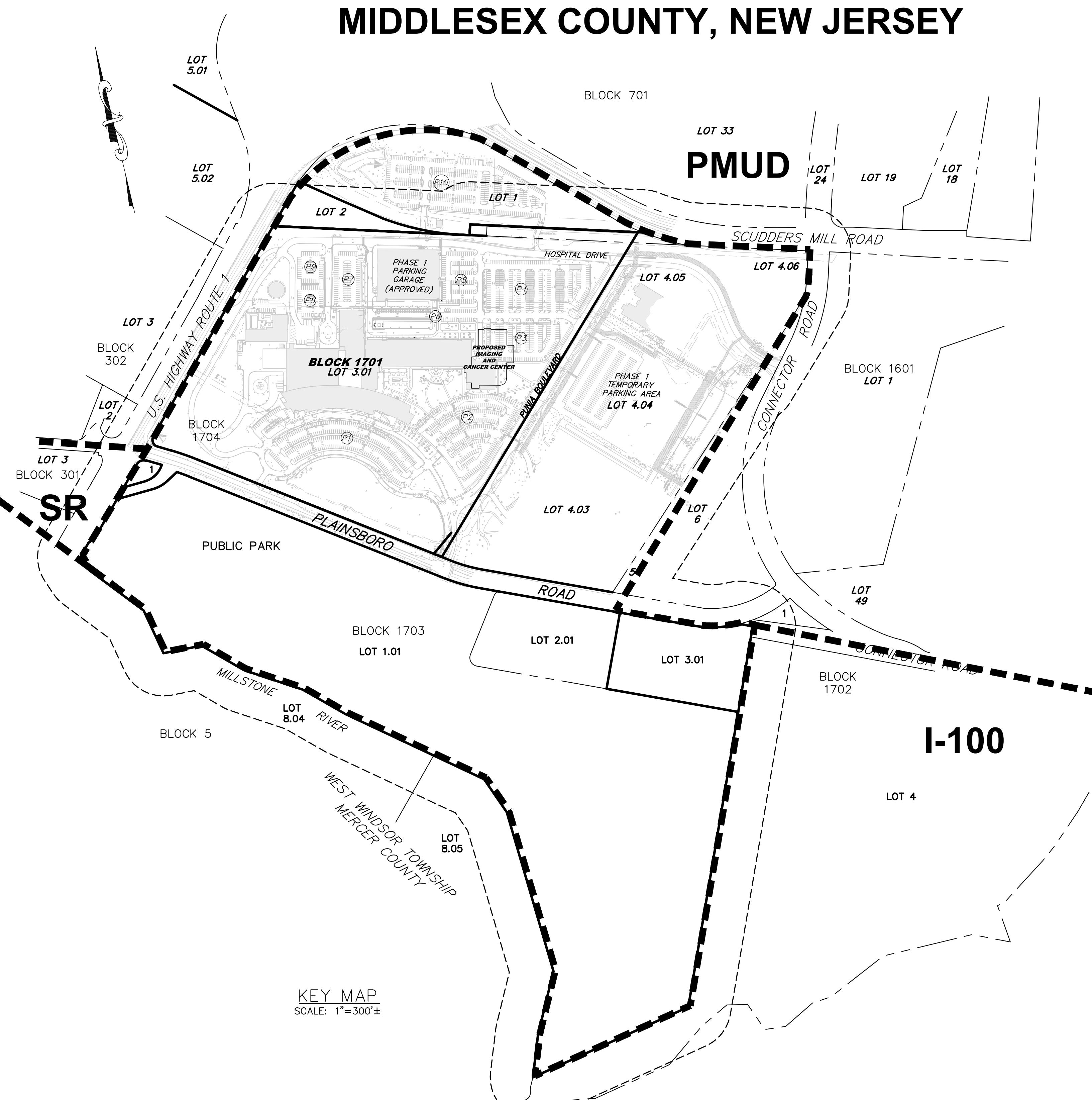
PARKING CONFIGURATION BY LOT	EXISTING PARKING COUNT	PROPOSED PARKING COUNT	TOTAL
P2	260 STD. 11 ADA	202 STD. 28 ADA	-58 STD. +17 ADA
P3	133 STD. 14 ADA	51 STD. -14 ADA	-82 STD.
P4	287 STD.	261 STD.	-26 STD.
P6	29 STD. 25 ADA	19 STD. 31 ADA	-10 STD. +6 ADA
<b>TOTAL (P2 THROUGH P6)</b>	<b>709 STD. 50 ADA</b>	<b>533 STD. 59 ADA</b>	<b>-176 STD. +9 ADA</b>

7. ALL UTILITIES ARE TO BE PLACED UNDERGROUND IN ACCORDANCE WITH SECTION 85-29 OF TOWNSHIP ORDINANCE. ALSO ALL UTILITIES SHALL BE INSTALLED UNDERGROUND PRIOR TO THE PLACEMENT OF THE FINAL PAVEMENT.
8. ALL STORM SEWER SHALL BE RC/P CLASS III UNLESS OTHERWISE NOTED.
9. THE SITE IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ADA AND NEW JERSEY BARRIER FREE CODE REQUIREMENTS.
10. ALL CONSTRUCTION SHALL CONFORM WITH TOWNSHIP OF PLAINSBORO REQUIREMENTS.
11. SOIL EROSION AND SEDIMENT CONTROL SHALL FALL UNDER THE JURISDICTION OF THE FREEHOLD SOIL CONSERVATION DISTRICT.
12. ALL EASEMENTS ARE DEDICATED TO THE TOWNSHIP OF PLAINSBORO UNLESS OTHERWISE NOTED.
13. ALL SIGNS SHALL BE DESIGNED IN ACCORDANCE WITH "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" FOR STREETS AND HIGHWAYS.
14. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWINGS AND EACH DRAWING HAS BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION".
15. ALL DESIGN FEATURES DEPICTED HEREIN SHALL BE BASED ON CONSTRAINTS AND REGULATIONS IN EFFECT AT THE TIME OF PREPARATION AND INITIAL PRESENTATION OF THIS PLAN. ALL CURRENT DEVELOPMENT CONSTRAINTS SHOULD BE INVESTIGATED PRIOR TO COMMENCEMENT OF ANY ACTIVITY BASED ON THIS PLAN.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES FOR GAS, ELECTRIC, PHONE AND TV SERVICE LOCATIONS. LOCATION OF UTILITIES AS SHOWN ON THESE PLANS ARE PLOTTED FROM AVAILABLE DATA ON FILE WITH THE UTILITY COMPANIES. AND IS NOT GUARANTEED AS TO EXACTNESS. THE CONTRACTOR IS TO CONTACT UTILITY COMPANIES 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION TO DETERMINE EXACT LOCATIONS OF UTILITIES. WHERE APPROPRIATE, SHOWN AS AN AID IN DETERMINING EXACT LOCATIONS ONLY, CONTRACTOR SHALL CALL "NU ONE CALL" 811 OR (800-272-1000) PRIOR TO CONSTRUCTION.
17. SANITARY SEWER LINES SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY OR THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE WATER MAIN. WHERE APPROPRIATE SEPARATION FROM THE WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE OR CONSTRUCTION OF DUCTILE IRON SEPARATING MANHOLE OR SLIP JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR AWAY FROM THE WATER LINE AS POSSIBLE.
18. TRASH AND WASTE DISPOSAL SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE TOWNSHIP OF PLAINSBORO. TRASH AND WASTE DISPOSAL SHALL BE PROVIDED BY A PRIVATE CARRIER.
19. ALL PROPOSED SOIL AND LAWN AREAS MUST BE GRADED WITH LIGHTWEIGHT CONSTRUCTION EQUIPMENT.
20. ALL GRADING SHALL BE A MINIMUM OF 2% AND A MAXIMUM OF 3' HORIZONTALLY TO 1' VERTICALLY ACROSS ALL LAWN AREAS AND AWAY FROM THE PROPOSED BUILDING. ALL STREET AND ACCESS DRIVES SHALL HAVE A MINIMUM CROSS SLOPE (CROWN) OF 2%.
21. ALL SIDEWALKS ADJACENT TO 90 DEGREE PARKING SHALL BE TWO (2) FEET FROM CURB LINE OR 6 FEET IN WIDTH.

# PRELIMINARY AND FINAL MAJOR SITE PLAN FOR PENN MEDICINE PRINCETON HEALTH CANCER CENTER AND IMAGING CENTER (CCIC)

## BLOCK 1701, LOT 3.01

### TOWNSHIP OF PLAINSBORO MIDDLESEX COUNTY, NEW JERSEY



#### ZONING AREAS:

#### REDEVELOPMENT AREA

- SR
- PMUD
- I-100
- FMC CORPORATION / PRINCETON HEALTHCARE SYSTEM REDEVELOPMENT AREA
- SERVICE RESIDENTIAL
- PLANNED UNIT DEVELOPMENT
- LIMITED INDUSTRIAL

SHEET INDEX	
Sheet Number	Sheet Title
C201	COVER SHEET
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C203	SITE AND LAYOUT PLAN
C204	GRADING AND DRAINAGE PLAN
C205	ENLARGED GRADING PLAN
C206	ENLARGED GRADING PLAN 2
C207	STORMWATER MANAGEMENT PROFILES
C208	STORMWATER MANAGEMENT PROFILES 2
C209	UTILITY PLAN
C210	UTILITY ROUTING PLAN
C211	UTILITY PROFILES
C212	EXISTING LIGHTING PLAN
C213	PROPOSED LIGHTING PLAN
C214	LIGHTING PLAN NOTES AND DETAILS
C215	LANDSCAPING PLAN
C216	LANDSCAPING NOTES AND DETAILS
C217	LANDSCAPING NOTES AND DETAILS 2
C218	LANDSCAPING NOTES AND DETAILS 3
C219	LANDSCAPING NOTES AND DETAILS 4
C220	SOIL EROSION AND SEDIMENT CONTROL PLAN
C221	SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
C222	WOODLAND MANAGEMENT PLAN
C223	CONSTRUCTION DETAILS - GENERAL CONSTRUCTION
C224	CONSTRUCTION DETAILS - STORMWATER MANAGEMENT
C225	CONSTRUCTION DETAILS - SANITARY SEWER
C226	CONSTRUCTION DETAILS - WATER SERVICE
C227	TURNING RADIUS PLAN AND DETAILS

NO.	DATE	DESCRIPTION



### PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JBL 5200 141-200  
Township of Plainsboro  
Middlesex County, New Jersey 08536

### COVER SHEET

C201

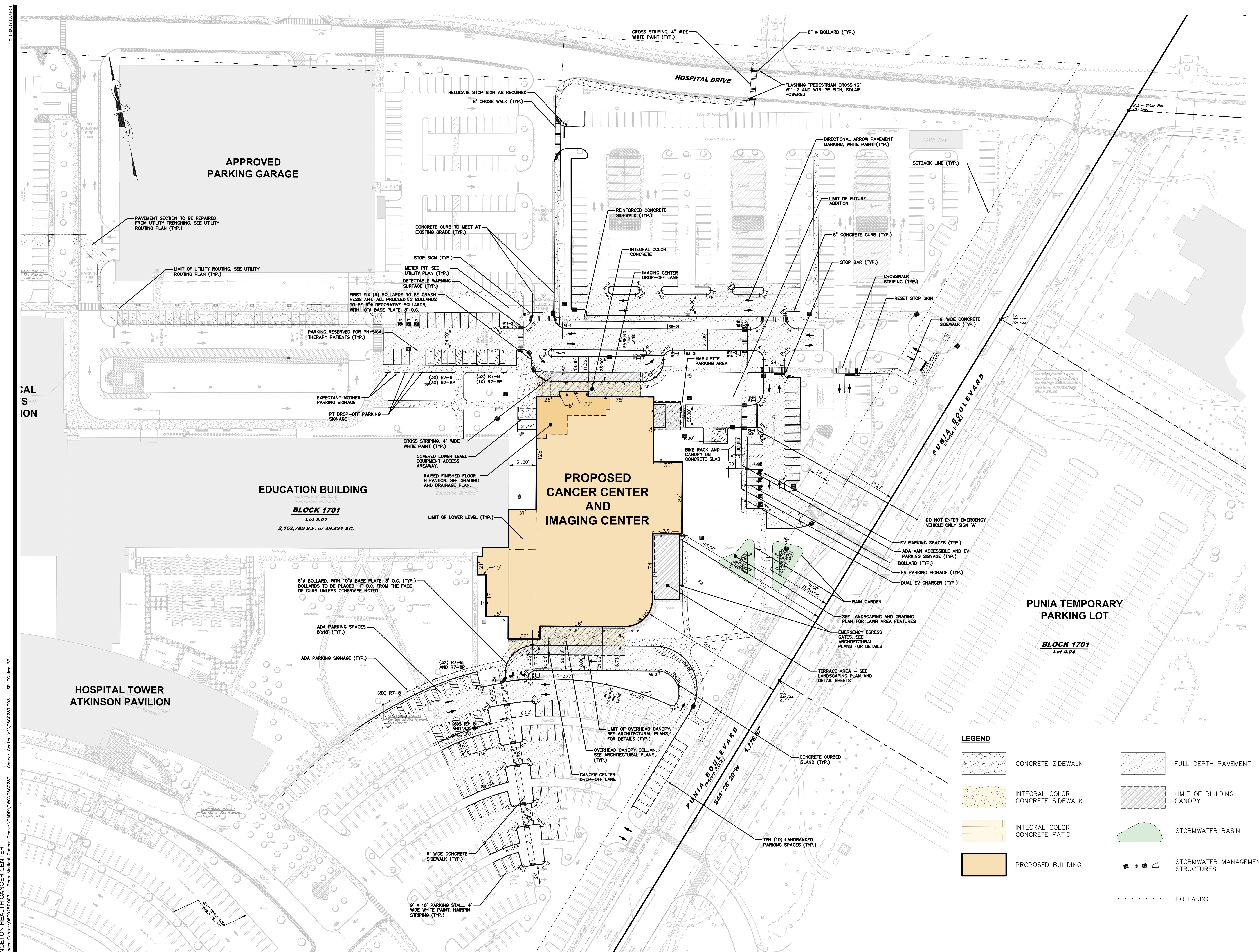
07/31/2024  
08/02/2024

PACKAGE 0  
PACKAGE 1

DRAWING INFORMATION

300 0 300 600  
SCALE : 1" = 300'





1 Plainsboro Road  
Plainsboro, NJ 08536

**SHEPLEY BULFINCH**

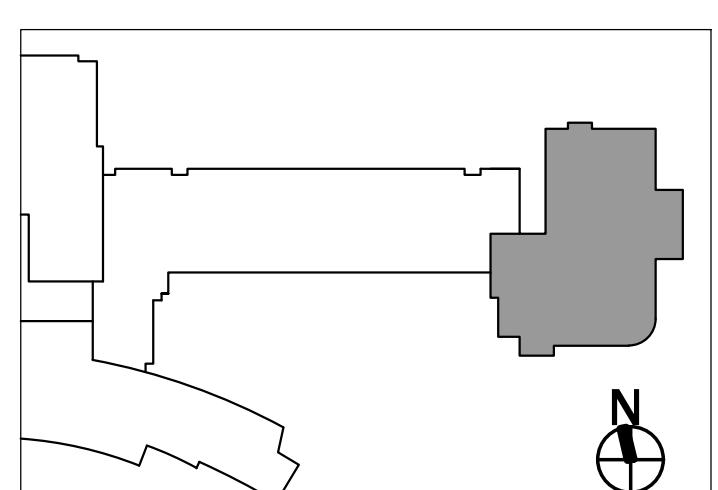
99 Chauncy Street 4th Floor  
Boston, MA 02111  
T: 617.423.1700 F: 800.934.9691  
shepleybulfinch.com



Corporate Office:  
1800 Rte 34, Suite 101  
Wall, New Jersey 07719  
732.312.9800  
FPAEngineers.com

ANDREW L. FRENCH, P.E.  
PROFESSIONAL ENGINEER, N.J. LIC. No. 42894

NO.	DATE	DESCRIPTION



**PENN MEDICINE PRINCETON HEALTH CCIC**

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO. 5200-100  
BLDG. 740, Lvl 1-2-3-4  
Township of Plainsboro  
Middlesex County, New Jersey 08536

**SITE AND LAYOUT PLAN**

**C203**

## APPROVED PARKING GARAGE



**Princeton**  
**Forward**



Penn Medicine  
Princeton Health

## 1 Plainsboro Road

# SHEPLEY BULFINCH

99 Chauncy Street 4th Floor  
Boston, MA 02111  
T:617.423.1700 | F:800.934.9691  
[shepleybulfinch.com](http://shepleybulfinch.com)

The logo for FPA (Financial Protection Agency) features the letters 'FPA' in a large, bold, dark blue sans-serif font. A green right-angled triangle is positioned at the bottom right of the 'P', partially overlapping it.

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New Jersey ▲ New York ▲ Pennsylvania ▲ Georgia

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**ANDREW L. FRENCH, P.E.**  
**PROFESSIONAL ENGINEER, N.J. LIC. No. 42894**

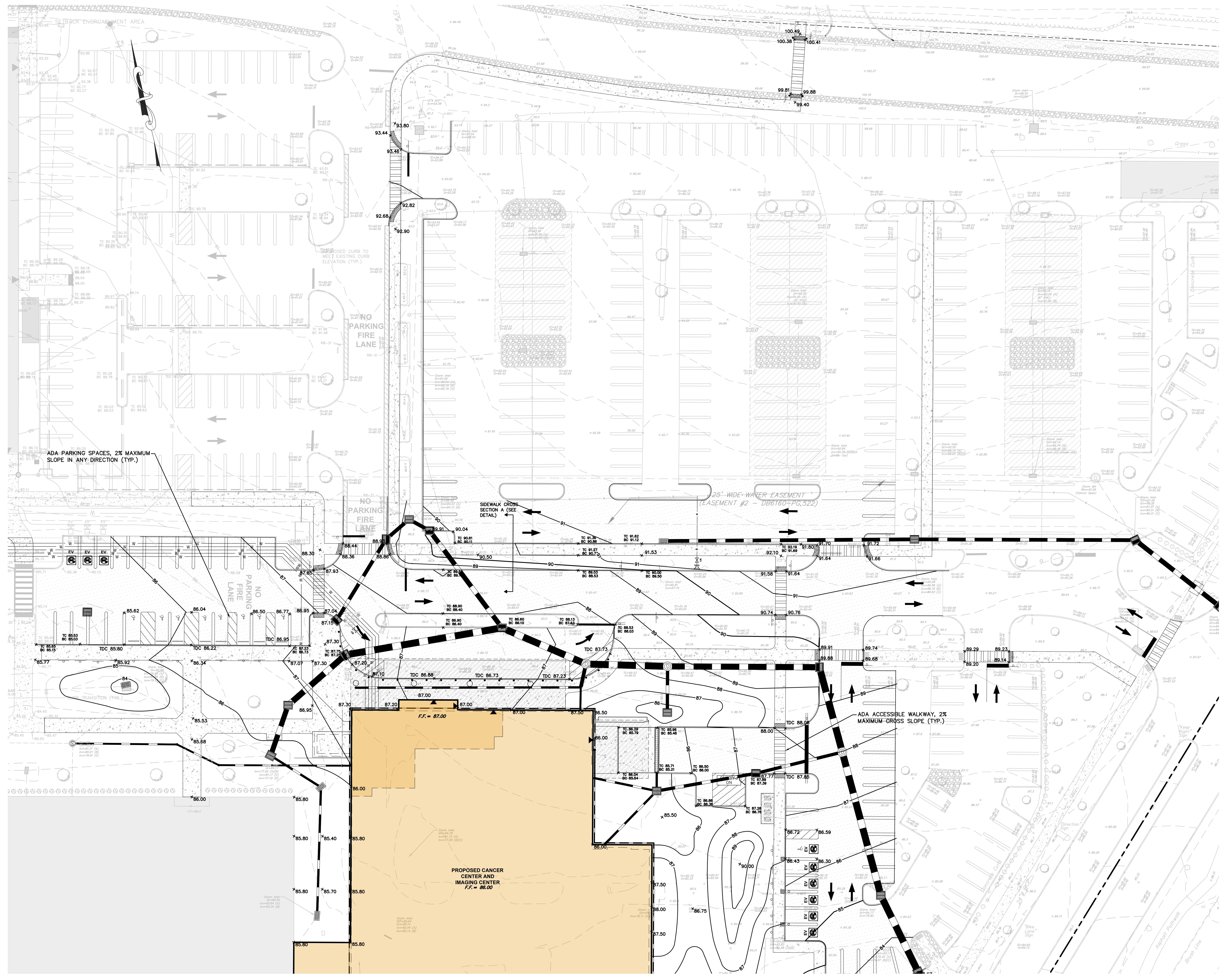
NO	DATE	DESCRIPTION

# PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO: 5267.003  
Block 7401 Lot 3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

# GRADING AND DRAINAGE PLAN

C204



THE ORIGINAL OF THIS DRAWING IS 20" X 48". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.

 **Princeton**  
**Forward**



Penn Medicine  
Princeton Health

1 Plainsboro Road  
Plainsboro, NJ 08536

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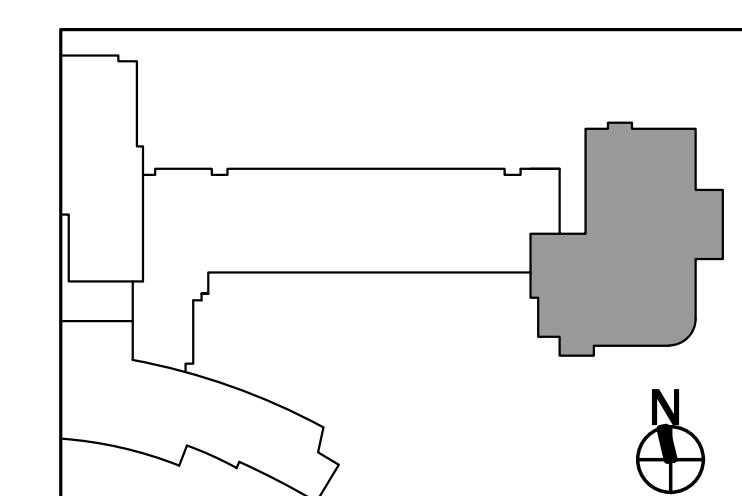
**FPA**  
**FRENCH & PARRELLO**  
**ASSOCIATES**

Corporate Office  
1800 Rt 34, Suite 100  
Wall, New Jersey 07719  
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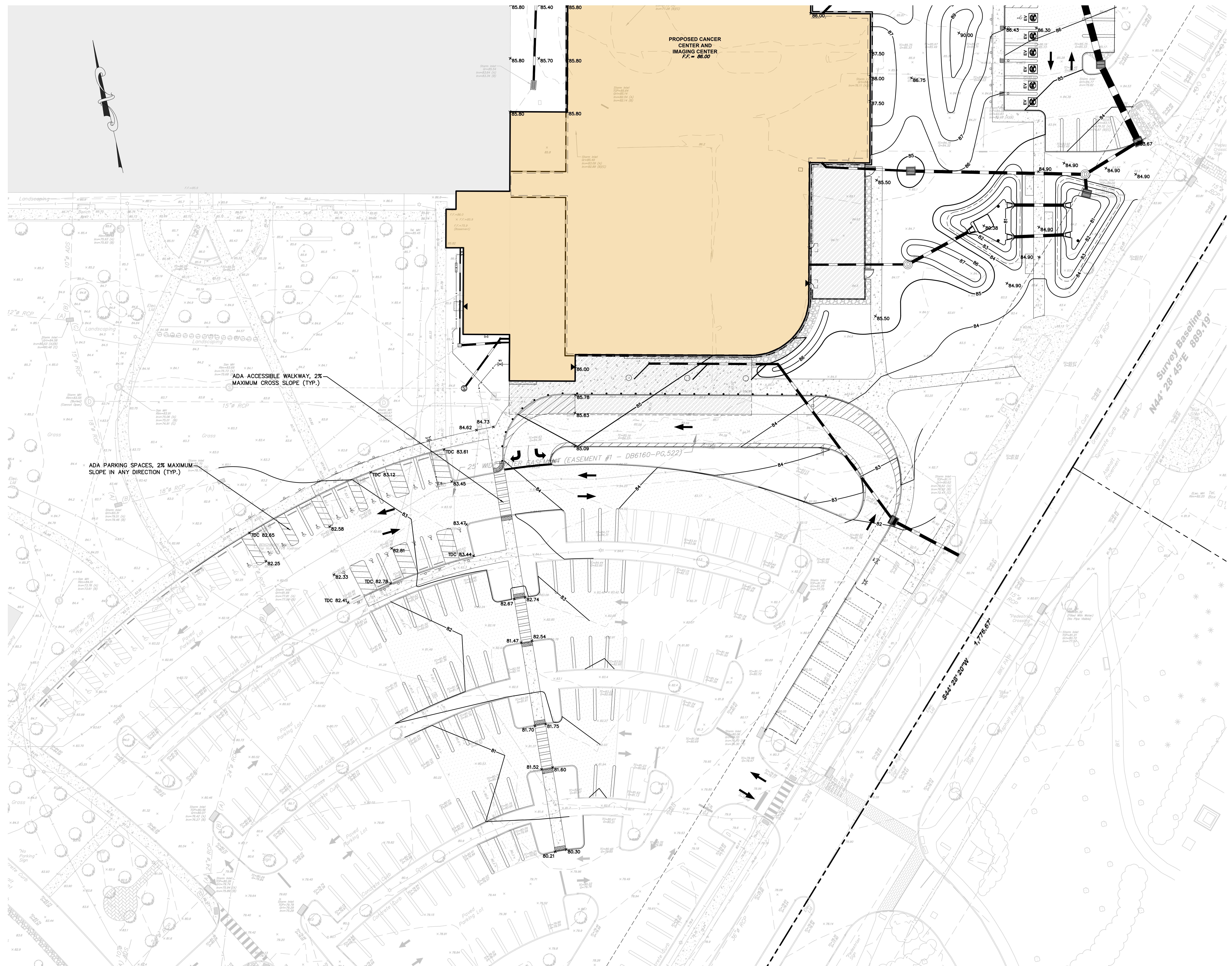


# PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO: 5267.003  
Block 7401 Lot 3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

# ENLARGED GRADING PLAN

**C205**



1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO: 5267.003  
Block 7401 Lot 3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

# ENLARGED GRADING PLAN 2

**C206**

07/31/2024 PACKAGE 0  
08/02/2024 PACKAGE 1

1 Plainsboro Road  
Plainsboro, NJ 08536

 Princeton Forward

 Penn Medicine  
Princeton Health

1 Plainsboro Road  
Plainsboro, NJ 08536

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ASSOCIATES

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732.312.9800

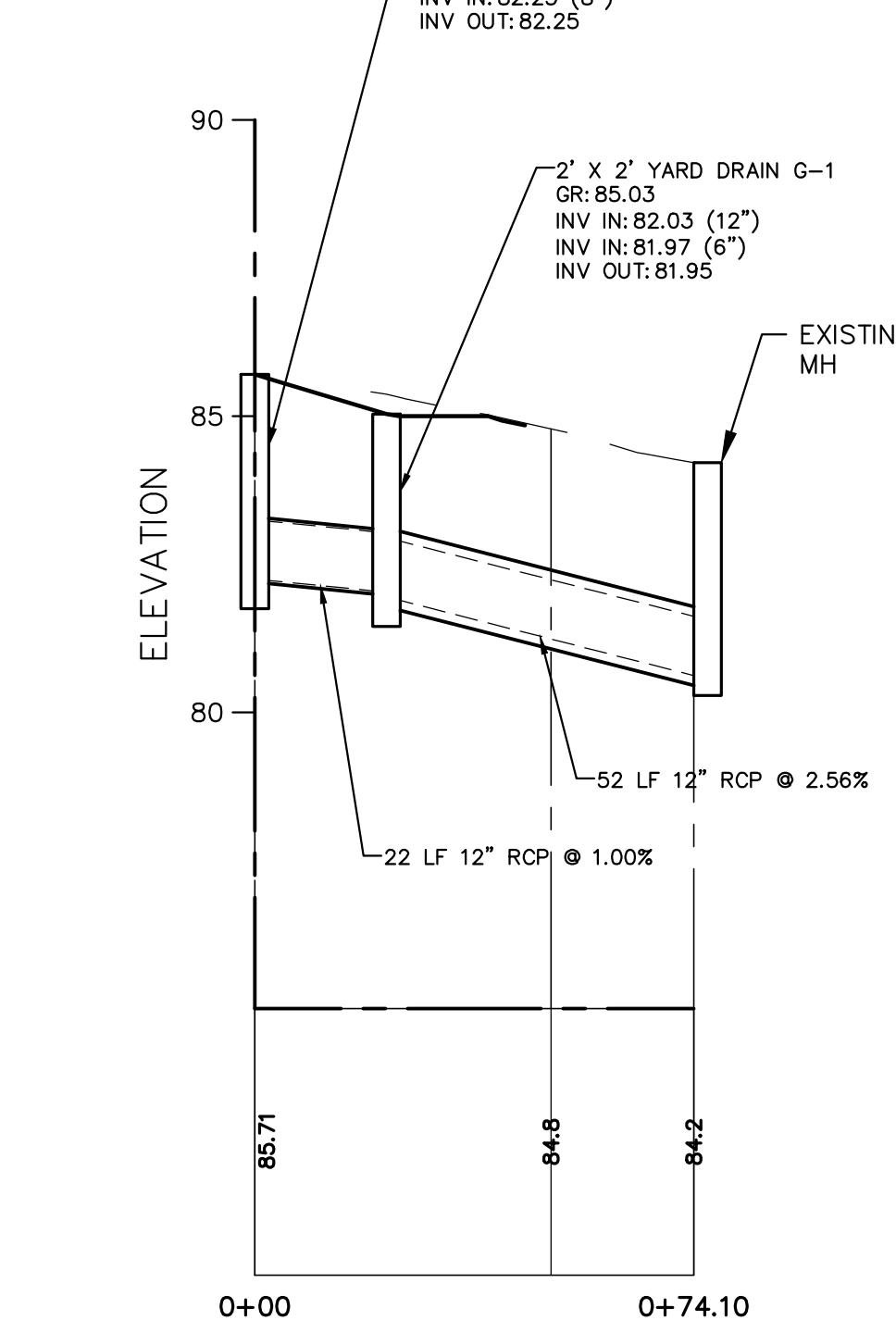
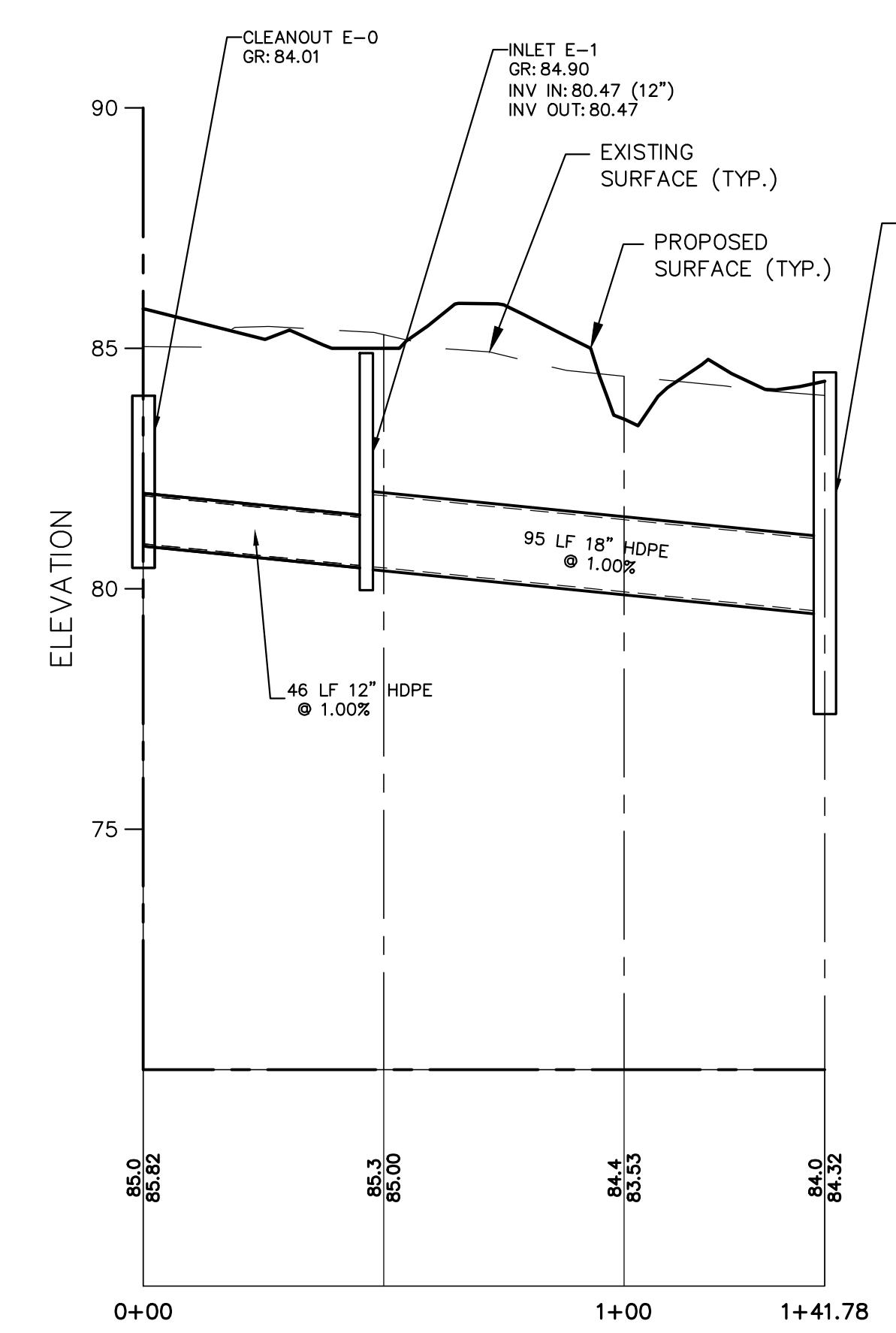
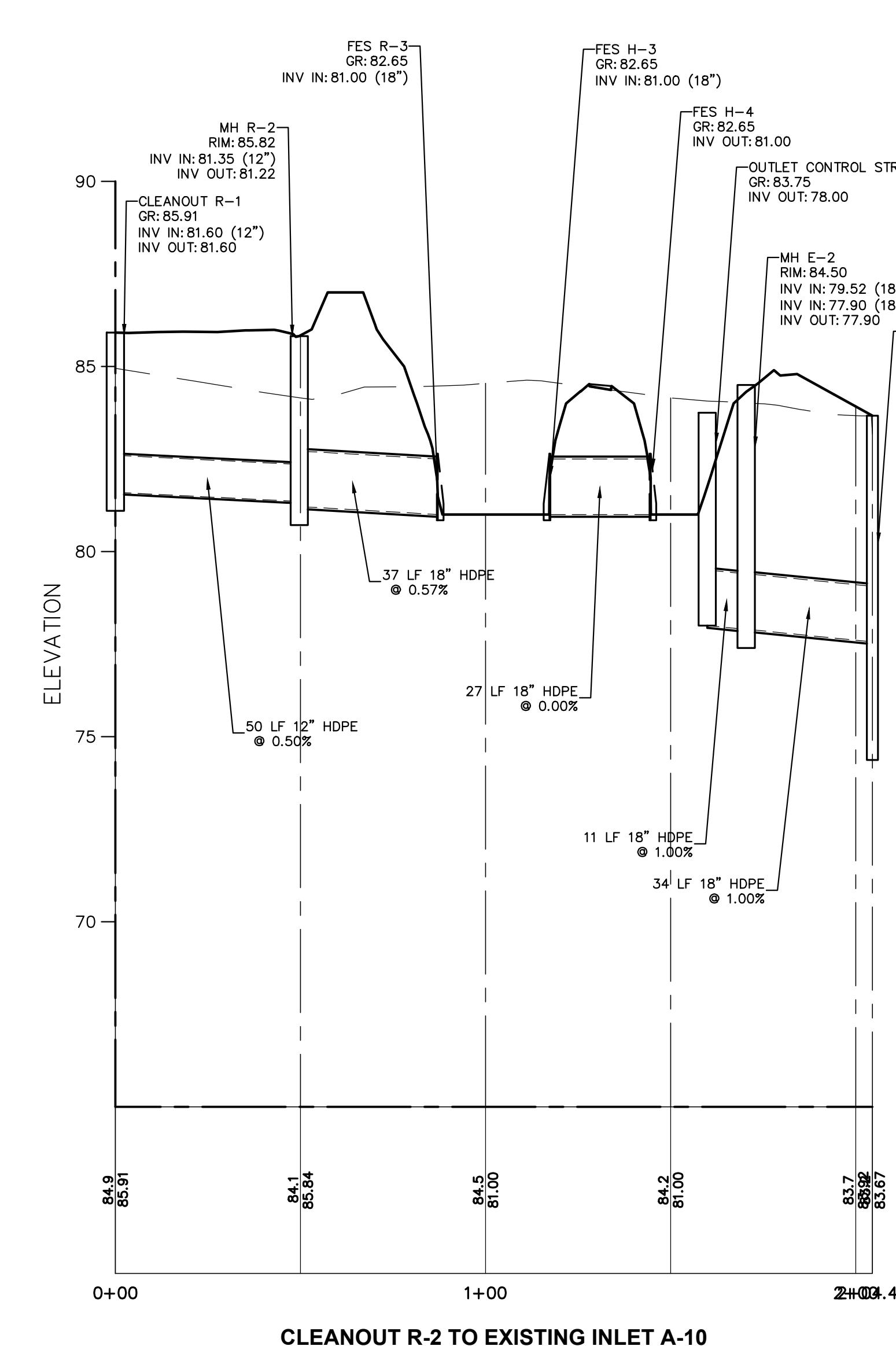
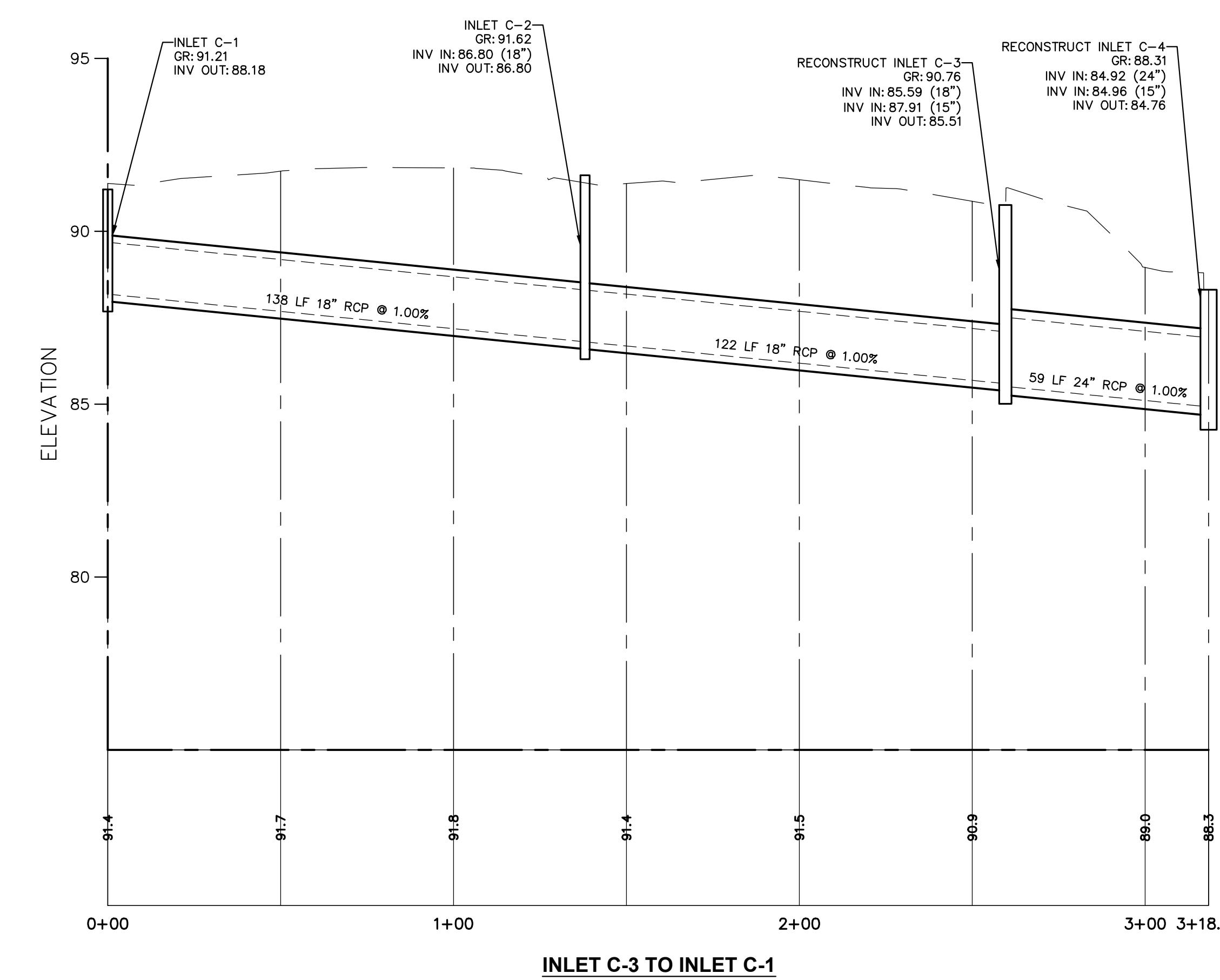
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**PROFESSIONAL ENGINEER, N.J. LIC. No. 42894**

A horizontal scale bar with markings at 0, 20, and 40. The segment from 0 to 20 is labeled "SCALE : 1" = 20'".





30 0 30 60  
SCALE : 1" = 30'  
10x VERTICAL EXAGGERATION

PENN MEDICINE  
PRINCETON  
HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO. 5200-000  
BLDG. 740, Lvl 1-2,01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

STORMWATER  
MANAGEMENT PROFILES

2  
C208

07/31/2024  
08/02/2024  
PACKAGE 0  
PACKAGE 1



1 Plainsboro Road  
Plainsboro, NJ 08536

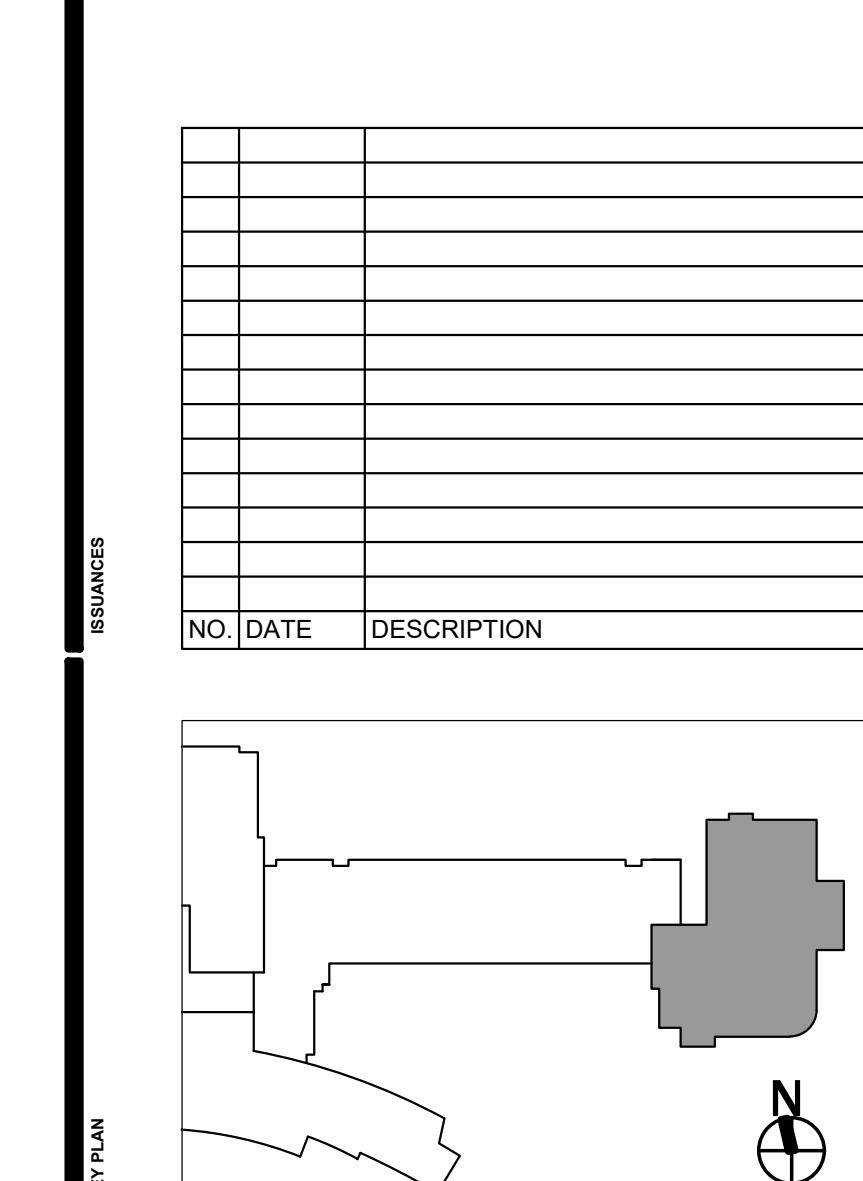
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PROJECT INFORMATION  
1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO. 5200-000  
BLDG. 740, Lvl 1-2,01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

DRAWING INFORMATION  
STORMWATER  
MANAGEMENT PROFILES

2  
C208

07/31/2024  
08/02/2024  
PACKAGE 0  
PACKAGE 1

PENN MEDICINE PRINCELYONHEALTH CANCER CENTER  
O:\CE\2006\06C028T - Cancer Center\06C028T.003 - Penn Medical Cancer Center\CADD\DWG\06C028T - Cancer Center V2\06C028T.003 - UTIL CC.dwg UTIL

**APPROVED PARKING GARAGE**

**SEE UTILITY ROUTING PLAN:** TWO (2) 10" CHILLED WATER PIPES WITH 2.5" INSULATION, TWO (2) 10" HOT WATER PIPES WITH 2.5" INSULATION, ONE (1) 10" FIRE LINE

**BENCHMARK (BM-31)**  
Top of PFP Elevation 89.93

**WATER EASEMENT**

**6" DIP DOMESTIC SERVICE LINE (TYPE)**

**NET TAP**  
8'x12' HOT BOX, SEE DETAILS FOR SIZE.

**PROPOSED FIRE HYDRANT AND WATER VALVE (TYPE)**

**25' WIDE WATER EASEMENT (EASEMENT #1 - DB8160-PG-522)**

**6" DIP WATER SERVICE (EASEMENT #2 - DB8160-PG-522)**

**10" DIP FP WATER SERVICE INV:80.10**

**6" DIP DOMESTIC WATER SERVICE INV:80.50**

**10" DIP FP WATER SERVICE INV:80.90**

**PROPOSED CANCER CENTER AND IMAGING CENTER F.F. = 87.00**

**RESET SAN MH RIM:85.31**  
INV IN:81.31 (8")  
INV IN:80.01 (8")  
INV IN:80.12 (10")  
INV OUT:79.91 (10")

**SAN. CO #4 RIM:85.30**  
INV IN:80.41 (10")  
INV OUT:80.41 (10")

**SAN. CO #2 RIM:86.92**  
INV IN:80.88 (10")  
INV OUT:80.88 (10")

**SAN. CO #5 RIM:84.57**  
INV IN:80.54 (10")  
INV OUT:80.54 (10")

**5 LF 10" PVC • 0.50%**

**68 LF 10" PVC • 0.50%**

**26 LF 10" PVC • 0.50%**

**57 LF 10" PVC • 0.50%**

**GATE VALVE**

**RESET SAN MH RIM:85.31**  
INV IN:81.31 (8")  
INV IN:80.01 (8")  
INV IN:80.12 (10")  
INV OUT:79.91 (10")

**SAN. CO #4 RIM:85.30**  
INV IN:80.41 (10")  
INV OUT:80.41 (10")

**SAN. CO #2 RIM:86.92**  
INV IN:80.88 (10")  
INV OUT:80.88 (10")

**SAN. CO #5 RIM:84.57**  
INV IN:80.54 (10")  
INV OUT:80.54 (10")

**5 LF 10" PVC • 0.50%**

**NATURAL GAS SERVICE CONNECTION AND SHUTOFF VALVE**

**NATURAL GAS METER**

**SAN. CO #1 RIM:85.85**  
INV IN:77.45 (10")  
INV OUT:77.45 (10")

**34 LF 10" PVC • 1.00%**

**SAN MH #1 RIM:84.96**  
INV IN:77.09 (10")  
INV OUT:76.99 (10")

**EXISTING METER PIT TO REMAIN**

**FDC**

**5 LF 10" PVC • 1.00%**

**6" DOMESTIC WATER SERVICE SHUT-OFF VALVE**

**6" DIP DOMESTIC WATER SERVICE INV:80.50**

**BENCHMARK (BM-31)**  
Top of PFP Elevation 89.93

**EDUCATION BUILDING**

**BLOCK 1701**  
Lot 3.01  
2,152,780 S.F. or 49.421 AC.

**HOSPITAL TOWER**  
**ATKINSON PAVILION**

**TELECOMMUNICATIONS LINE OWNERS**

1. COMCAST (FIBER & COAX)  
RICARDO CORTES  
SR. ACCOUNT EXECUTIVE, BUSINESS SERVICES  
145 WYCKOFF ROAD  
EATONTOWN, NJ 07724  
RICARDO.CORTES@COMCAST.COM  
M: 732-395-1023
2. VERIZON  
JEFF QUICK  
JEFFREY.D.QUICK@VERIZON.COM
3. CROWN CASTLE  
SHANNON STANTON  
CLIENT SERVICE MANAGER – NETWORK  
T: 213-204-7416  
M: 424-247-3843
4. INTERNAL CAMPUS FEEDS  
MICHAEL BAUSENWEIN  
MICHAEL.BAUSENWEIN@PENNMEDICINE.UPENN.EDU  
M: 609-216-0190

**ELECTRICAL LINE OWNERS**

1. CLEARWATER ENERGY  
HECTOR DEJESUS  
HECTOR.DEJESUS@CLEARWAYENERGY.COM

**BLOCK 1701**  
Lot 4.04

**SANITARY SEWER GENERAL NOTES**

1. THE DESIGNS HEREIN RENDERED ARE INTENDED TO COMPLY WITH THE NJDEP. IN CASE OF UNINTENTIONAL DEVIATION AND/OR OMISSIONS, THE NJDEP REGULATIONS WILL CONTROL.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION TO INSURE THAT THEIR FACILITIES WILL NOT DETER THE COURSE OF CONSTRUCTION.
3. THE OWNER WILL SECURE ALL NECESSARY PERMITS FROM THE MUNICIPAL, COUNTY OR STATE AGENCIES PRIOR TO THE START OF CONSTRUCTION.
4. ALL WORK SHALL CONFORM TO THE ABOVE MENTIONED PERMITS INCLUDING BACKFILL, PAVEMENT REPAIR AND CONSTRUCTION PROCEDURES.
5. ALL CONCRETE AS NOTED IN APPURTENANT DESIGNS SHALL BE 3,000 PSI, UNLESS OTHERWISE NOTED.
6. ALL LATERAL LOCATIONS SHALL BE VERIFIED IN THE FIELD.
7. ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DETAILS.
8. ANY ADJUSTMENTS OR REPAIRS TO EXISTING SANITARY FACILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE AND SHALL BE SUBJECT TO REVIEW, INSPECTION, APPROVAL AND ACCEPTANCE BY THE AUTHORITY ENGINEER.
9. WHEN CORING A NEW CONNECTION TO EXISTING MANHOLE, CORE SHALL BE MADE AT LEAST SIX (6) FEET FROM MANHOLE BARREL JOINTS.
10. SANITARY SEWER LINES SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY OR THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE EWEW AT LEAST 18" FROM THE PIPES. IF THE MANHOLE IS NOT APPROPRIATE SEPARATION FROM THE WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR AWAY FROM THE WATER LINE AS POSSIBLE.

**NOTES**

1. ELECTRIC AND COMMUNICATION SERVICES ARE TO BE CONNECTED INTERNALLY FROM EXISTING HOSPITAL BUILDING
2. CONTRACTOR IS RESPONSIBLE TO RESTORE THE EXISTING SITE CONDITIONS, I.E. PAVEMENT, CURB, WALKWAYS, STRIPING, SIGNAGE AND LAWN. LANDSCAPE AREAS.

**NEW JERSEY AMERICAN WATER (NJAW) NOTES**

1. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH NJAW TO SCHEDULE TIME FOR THE 6" WET TAP CONNECTION FOR THE PROPOSED WATER SERVICE TO THE CANCER CENTER AND 6" WET TAP CONNECTIONS FOR THE PROPOSED FIRE HYDRANT SERVICE LINES.
2. CONTRACTOR IS RESPONSIBLE TO FURNISH AND CONSTRUCT THE 6" WATER SERVICE TO THE SOUTH FROM THE EXISTING WATER METER CHAMBER AND THE 6" DOMESTIC WATER SERVICE TO THE NORTH WITH AN ABOVE GROUND METER AND HOTBOX INCLUDING ALL APPURTENANCES. CONTRACTOR TO COORDINATE WITH NJAW FOR METER SETTING WITH THE HOT BOX ENCLOSURE.
3. CONTRACTOR IS RESPONSIBLE TO FURNISH AND CONSTRUCT THE 6" DIP FIRE SERVICE LINE INCLUDING ALL VALVES AND THE FIRE HYDRANTS SHOWN.
4. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL TESTING REQUIRED BY NJAW AND OBTAIN NJAW ACCEPTANCE TO ALLOW WATER SERVICE LINES TO BE ACTIVE AND OPERATIONAL.

The logo for Princeton Forward, featuring a blue stylized 'i' icon followed by the text 'Princeton Forward' in a red, sans-serif font.



**Penn Medicine**  
**Princeton Health**

1 Plainsboro Road  
Plainsboro, NJ 08536

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**PROFESSIONAL ENGINEER, N.J. LIC. No. 42894**

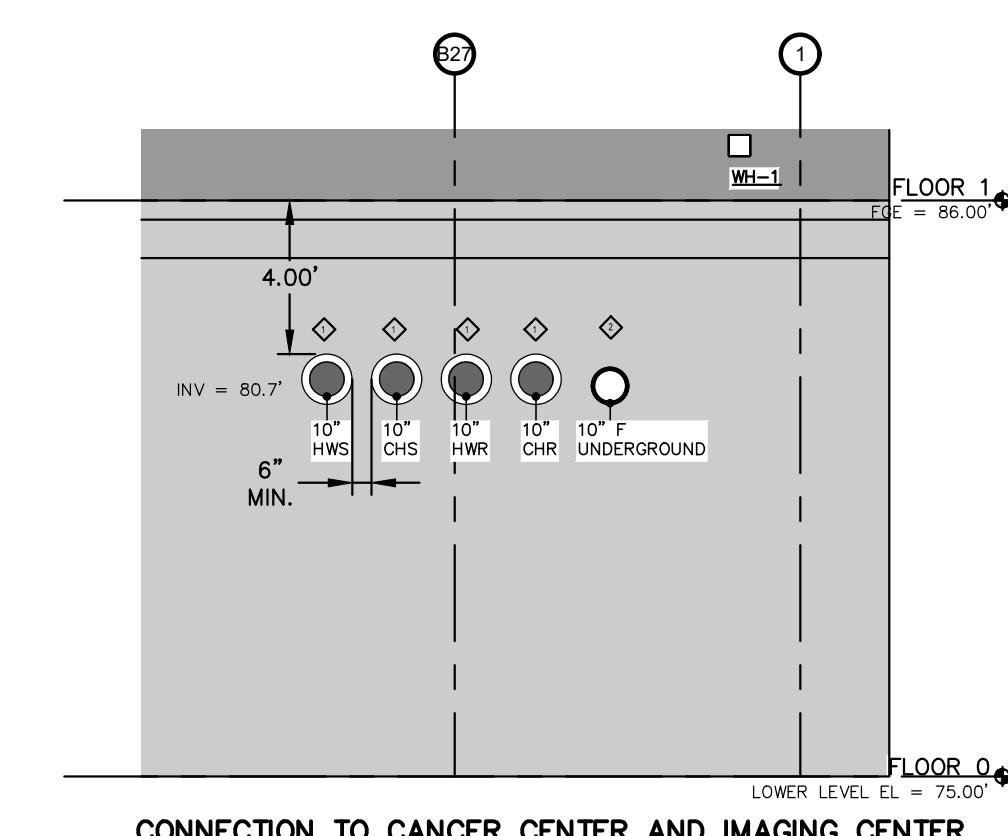
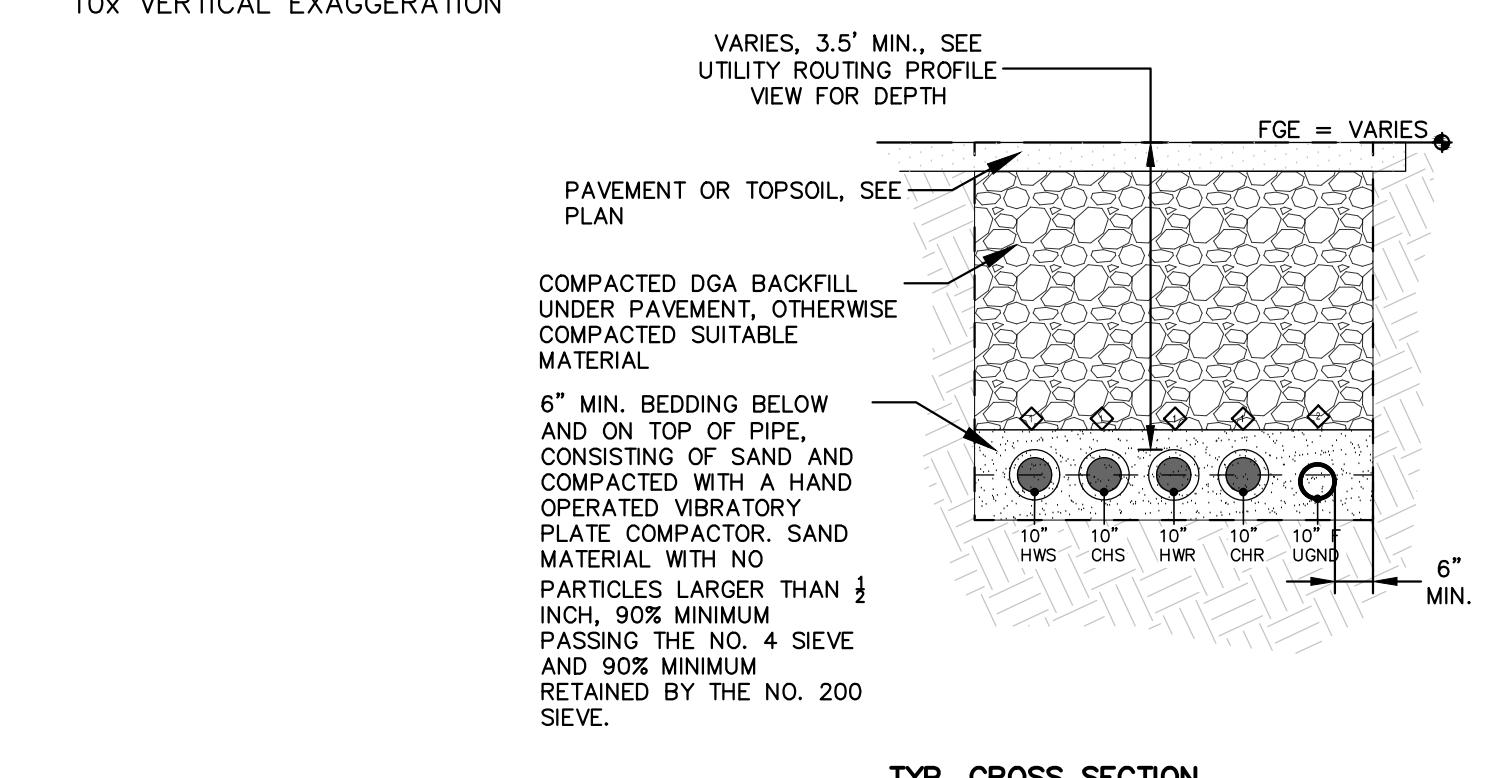
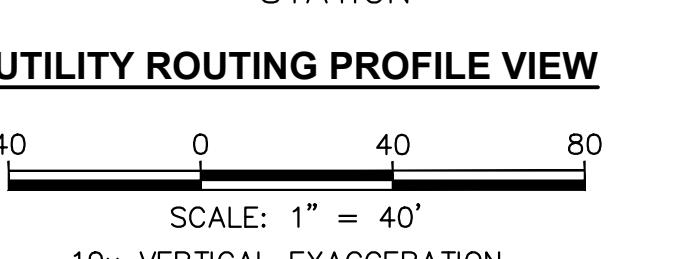
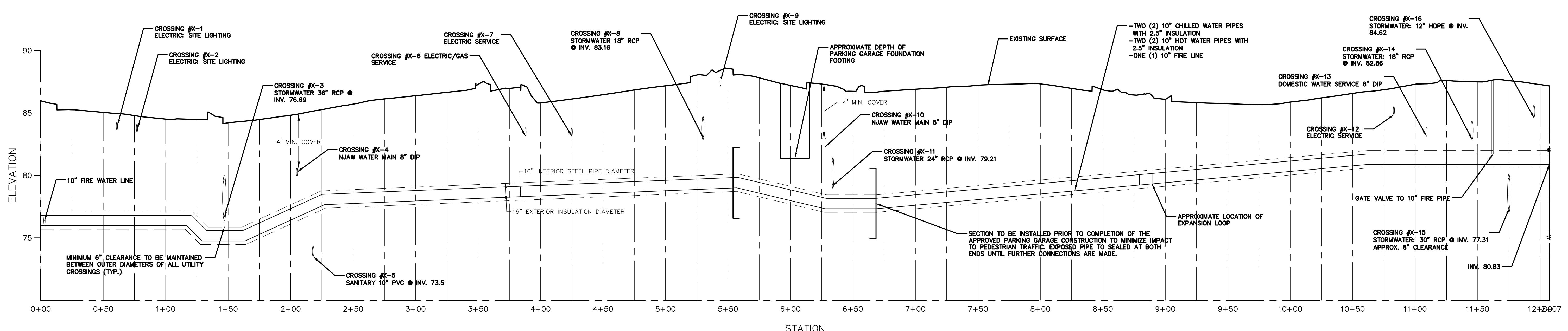
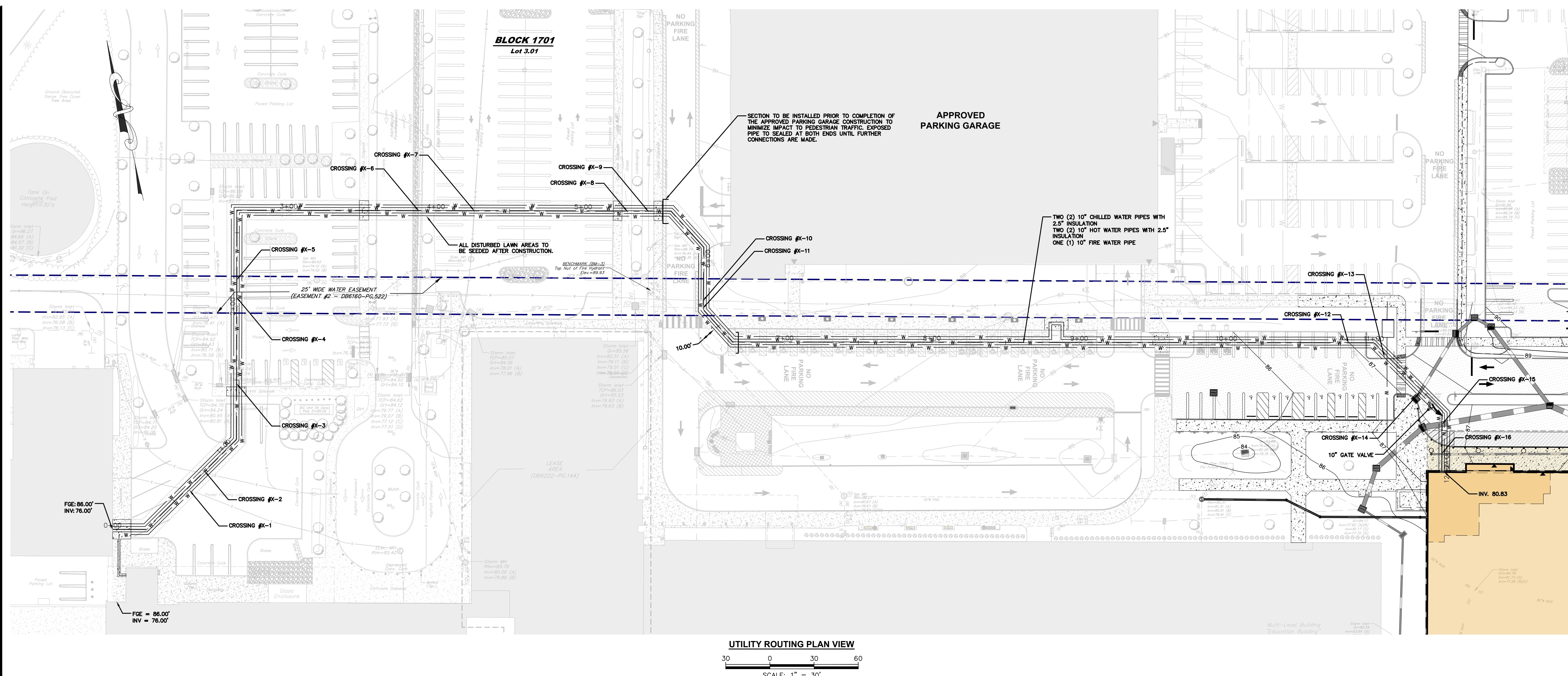
An architectural floor plan of a building. The main structure is a long, rectangular room with a small recessed area on the right side. To the right of this recessed area is a large, irregularly shaped extension that is filled with a dark gray color. The plan is set against a white background with a thin black border.

# PENN MEDICINE PRINCETON HEALTH CCIC

nsboro Road  
sboro, NJ 08536  
NO: 5267.003  
7401 Lot 3.01  
ship of Plainsboro  
essex County, New Jersey 08536

# UTILITY PLAN

C209



**NOTES:**

1. CHILLED AND HOT WATER SUPPLY AND RETURN PIPES SHALL BE STANDARD WEIGHT CARBON STEEL A-53 OR A-106 SEAMLESS PIPE. ALL JOINTS SHALL BE BUTT-WELDED. PIPE INSULATION SHALL BE SPRAY APPLIED NOMINAL 2 POUND PER CUBIC FOOT DENSITY POLYURETHANE FOAM FOR STRAIGHT SECTIONS AND PREFORMED POLYURETHANE FOAM FOR ALL FITTINGS. INSULATION SHALL BE APPLIED TO A MINIMUM THICKNESS OF 2-1/2". PIPING SYSTEM SHALL INCLUDE A PROTECTIVE JACKET THAT IS A FILAMENT WOUND POLYESTER RESIN/FIBERGLASS REINFORCEMENT COMPOSITE APPLIED DIRECTLY TO THE INSULATING FOAM OF A MINIMUM THICKNESS OF 0.085 INCHES OR HIGH DENSITY POLYETHYLENE OF A MINIMUM THICKNESS OF 125 MILS. THE PIPING SYSTEM SHALL BE IN STRICT CONFORMANCE TO LATEST EDITION OF ANSI B31.1.
2. UNDERGROUND FIRE PROTECTION SERVICE PIPING SHALL BE DUCTILE-IRON CLASS 53 OR CLASS 52, ANSI A21-51 WITH CEMENT-MORTAR LINING PER ANSI A21.4. FITTINGS SHALL BE DUCTILE-IRON 250 PSI RATING PER ANSI A21-51 WITH CEMENT-MORTAR LINING PER ANSI A21.4. PIPE JOINTS SHALL BE AWWA C606 GROOVED END WITH VICTAULIC STYLE 31 COUPLINGS OR PUSH-ON ANSI A21.11 WITH RETAINER CLADS AND THRUST BLOCKS AS REQUIRED. ALL MATERIALS AND INSTALLATION SHALL CONFROM TO NFPA 24 AS A MINIMUM.

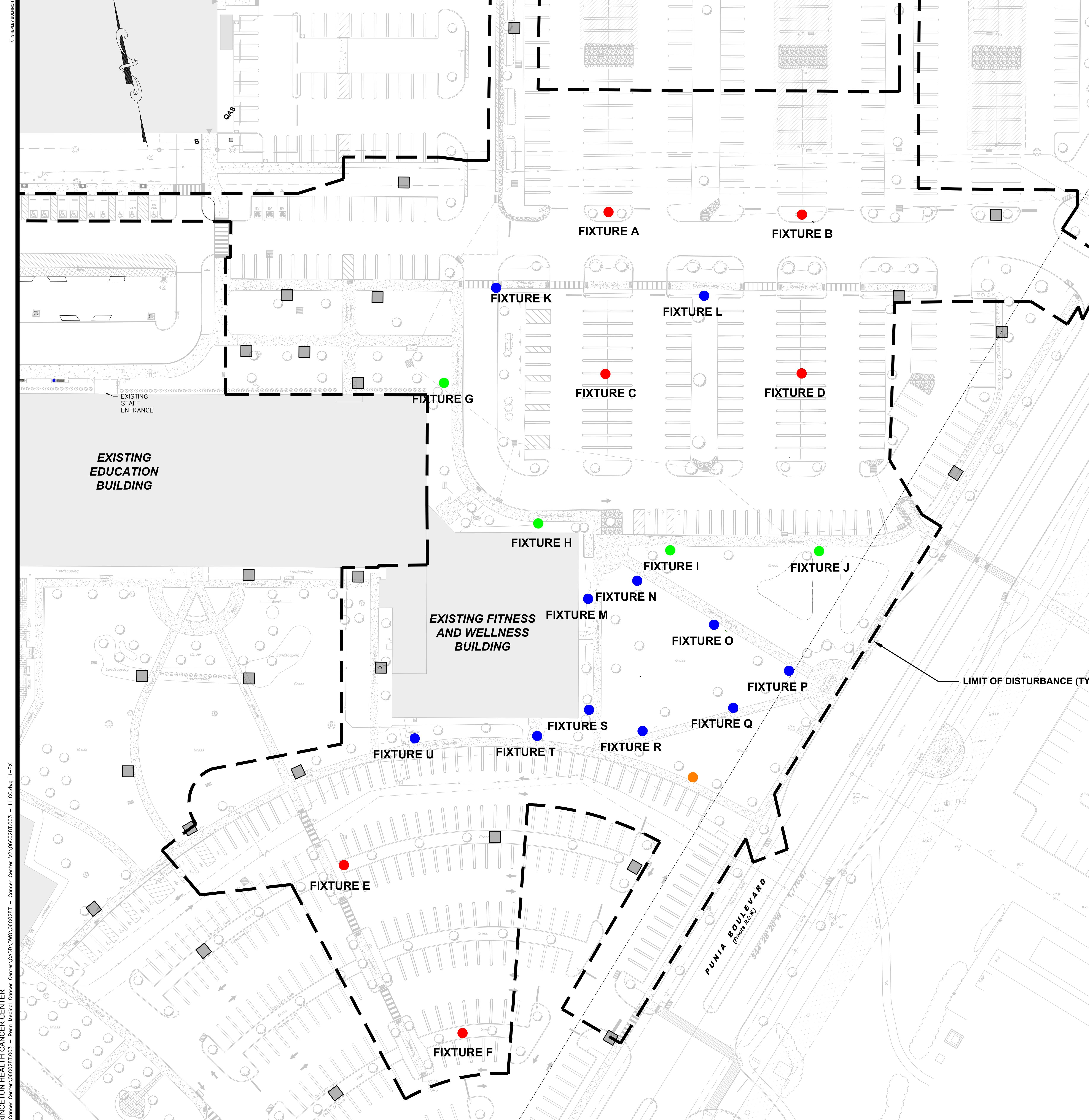
# PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO: 5267.003  
Block 7401 Lot 3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

# UTILITY ROUTING PLAN

# C210





**LEGEND:**

- EXISTING LIGHT FIXTURE AND POLE TO REMAIN** (Grey Box)
- EXISTING LIGHT FIXTURE AND POLE TO BE STORED FOR FUTURE USE** (Orange Circle)
- REUSE/RELOCATE LIGHT FIXTURE AND 25' POLE (FIXTURES A THROUGH F)** (Red Circle)
- REUSE/RELOCATE 25' POLE, STORE LIGHT FIXTURE (FIXTURES G THROUGH J)** (Green Circle)
- REUSE/RELOCATE LIGHT FIXTURE AND 14' POLE (FIXTURES K THROUGH U)** (Blue Circle)

**LIGHTING NOTES:**

1. THIS PLAN SHALL BE USED FOR THE LOCATIONS OF THE EXISTING EXTERIOR LIGHTING WITHIN THE PROPOSED CANCER CENTER LIMIT OF DISTURBANCE ONLY.
2. THE CONTRACTOR SHALL REMOVE ALL EXISTING LIGHT FIXTURES AS SHOWN FOR RE-USE AND/OR STORAGE. THE CONTRACTOR SHALL CONSULT WITH THE LIGHTING MANUFACTURER FOR DIRECTIONS FOR PROPER STORAGE OF THE EXISTING LIGHTS. THE STORAGE LOCATION SHALL BE DETERMINED BY THE OWNER.
3. ANY LIGHTS THAT ARE TO REMAIN SHALL BE PROPERLY PROTECTED FROM CONSTRUCTION ACTIVITIES. ANY DAMAGE THAT OCCURS TO THESE LIGHTS SHALL BE REMEDIED BY THE CONTRACTOR AT NO COST TO THE OWNER.
4. ANY DAMAGE THAT OCCURS TO IMPROPER STORAGE OF THE LIGHTS DURING CONSTRUCTION SHALL BE REMEDIED BY THE CONTRACTOR AT NO COST TO THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE TO DISCONNECT THE POWER SUPPLY AND REMOVAL OF EXISTING CONDUIT AND WIRING AS APPLICABLE. PLEASE REFER TO THE ELECTRICAL PLANS FOR SCOPE OF WORK AND SPECIFICATIONS FOR REMOVAL, RELOCATION AND POWER SUPPLY FOR NEW LIGHTING FIXTURES.
6. THE CONTRACTOR IS RESPONSIBLE TO EXCAVATE, REMOVE AND DISPOSE OF CONCRETE FOUNDATIONS AND FOR PROPERLY BACKFILLING ALL EXCAVATIONS.

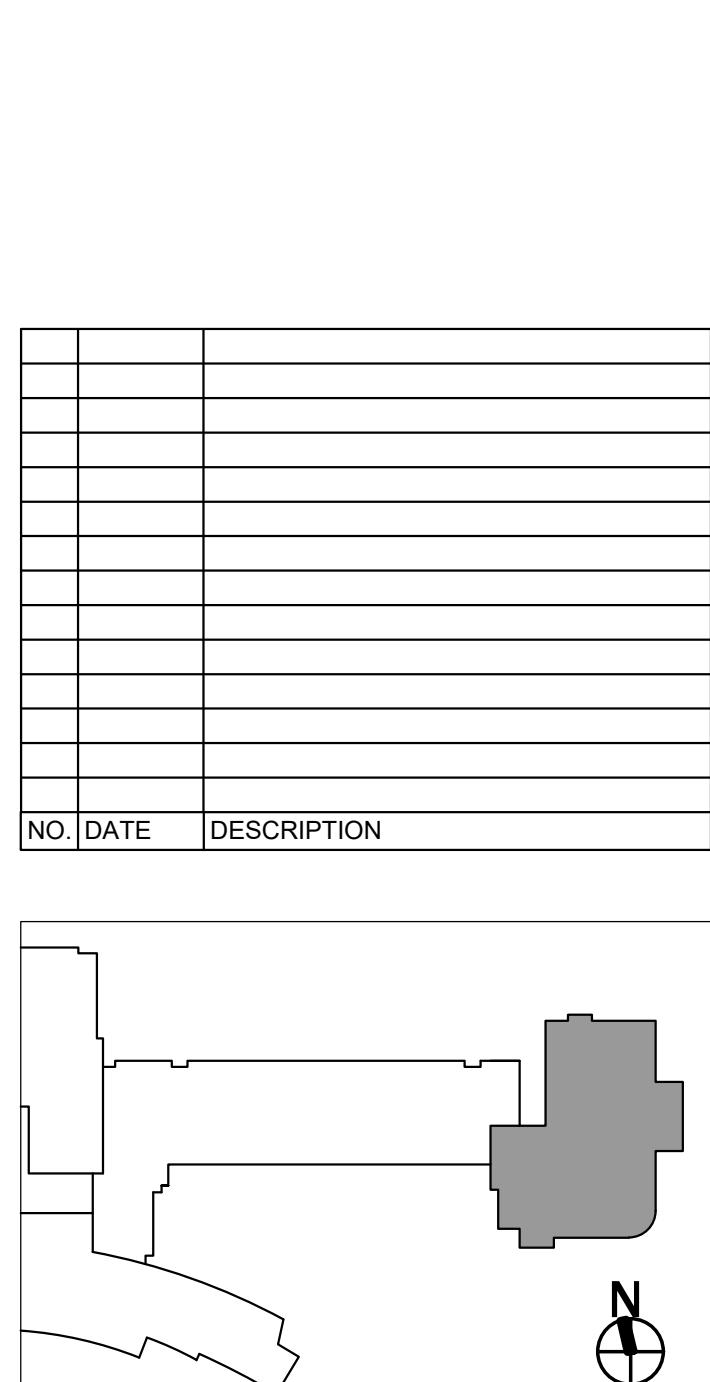


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PROFESSIONAL ENGINEER, N.J. LIC. NO. 42894



**PENN MEDICINE  
PRINCETON  
HEALTH CCIC**

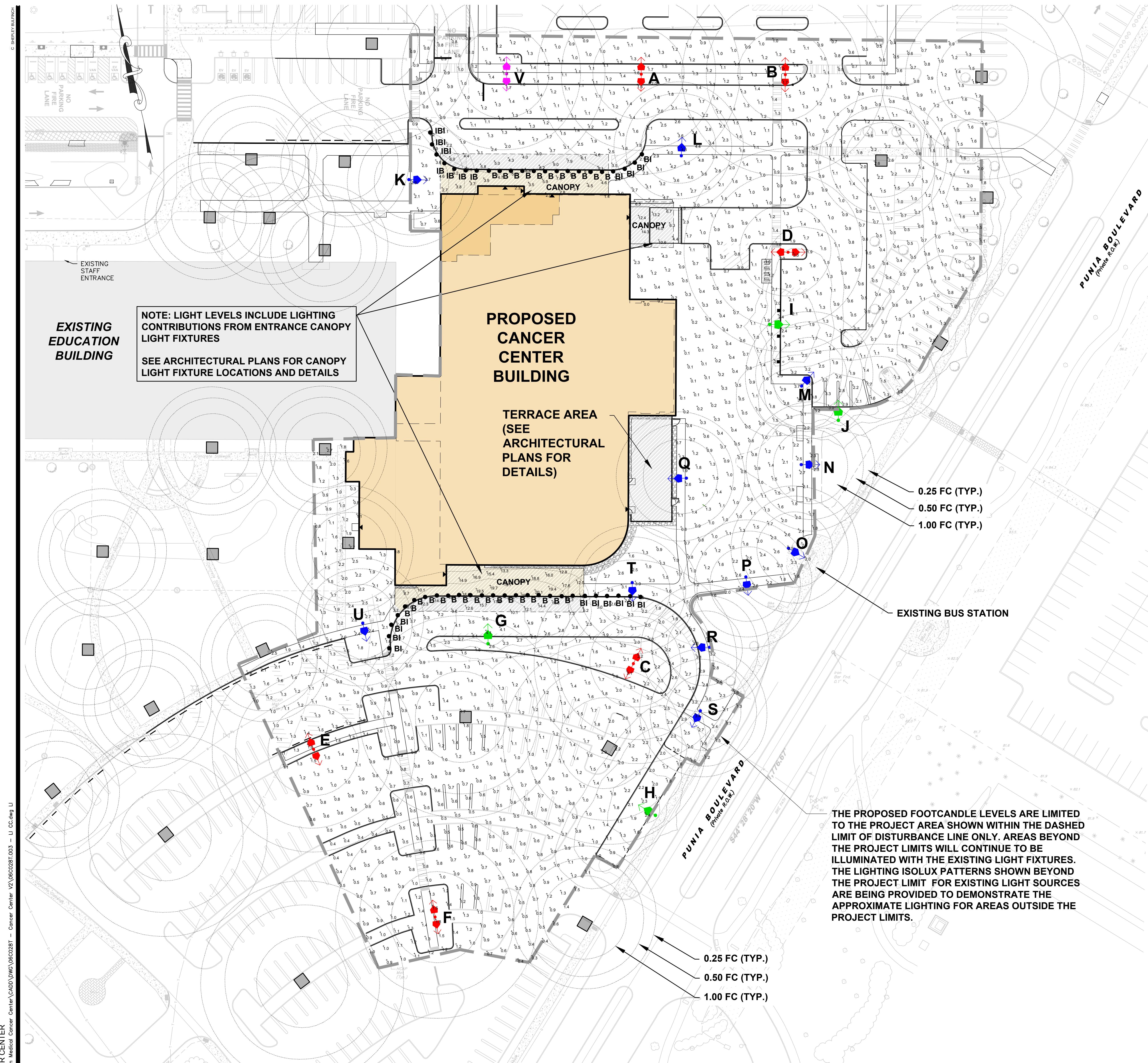
1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO. 5262-000  
BLDG. 740, Lvl 1-2-01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

**EXISTING LIGHTING  
PLAN**

**C212**

30 0 30 60  
SCALE : 1" = 30'

07/31/2024  
08/02/2024  
PACKAGE 0  
PACKAGE 1

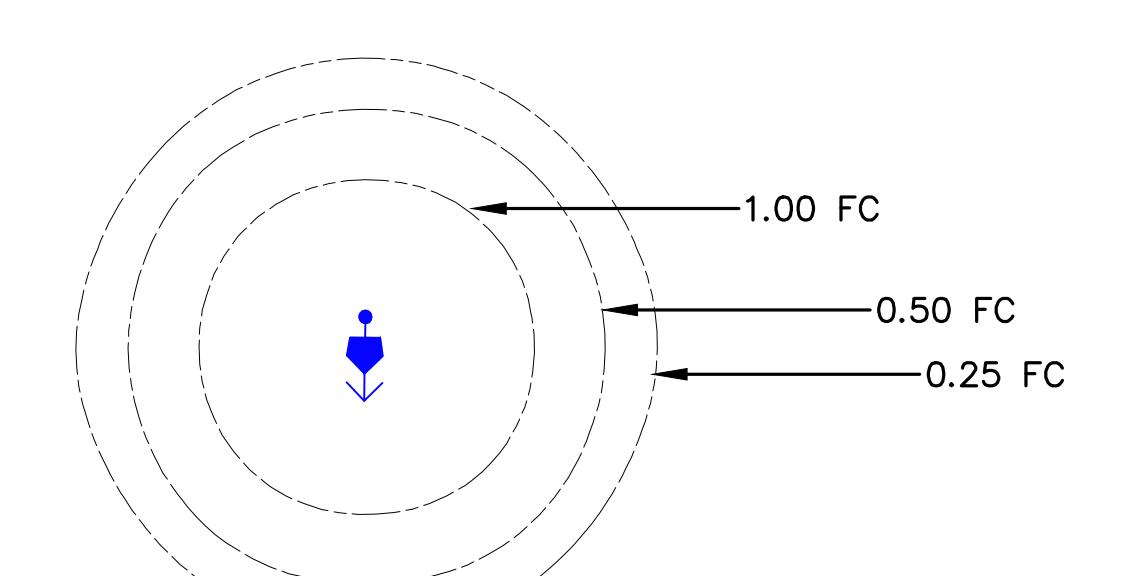


#### LIGHTING NOTES:

- DO NOT INSTALL PROPOSED LIGHTS DIRECTLY ON TOP OF ANY PROPOSED OR EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF UTILITIES AND ADJUST LIGHTS AS NEEDED AS DIRECTED BY THE PROJECT PROFESSIONAL TO ACCOMMODATE ANY POTENTIAL CONFLICTS.
- ALL BOLLARDS AND POLE MOUNTED LIGHTS SHALL BE PLACED AS FOLLOWS:
  - FACE OF BOLLARD SHALL BE PLACED INSIDE OF THE CURBLINE IN DROP OFF AREA. FACE OF BOLLARD SHALL BE PLACED 1.5' FROM EDGE OF SIDEWALKS. ON CENTER SPACING SHALL BE 6 FEET.
  - POLE MOUNTED PARKING AREA LIGHTS SHALL BE INSTALLED AS APPLICABLE AS FOLLOWS:
    - IN THE CENTER OF ISLANDS;
    - AS INDICATED ON THE PLAN;
    - A MINIMUM OF 3.5' FROM THE BACK OF THE CURB TO THE FACE OF THE POLE;
    - FLUSH (FOOTING) WITH EDGE OF SIDEWALKS
- IN THE EVENT THAT THERE ARE DISCREPANCIES BETWEEN THE QUANTITIES SHOWN IN THE LIGHTING SCHEDULE AND THE PLAN, THE LIGHTING PLAN SHALL GOVERN.
- THE HOSPITAL SHALL BE OPEN 24 HOURS PER DAY, 7 DAYS A WEEK. ALL EXTERIOR LIGHTS WILL REMAIN ON, HOWEVER, ALL DOUBLE FIXTURE LIGHTS SHALL BE DIMMED BY 50% BETWEEN THE HOURS OF MIDNIGHT AND 5 AM.
- THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT SHOP DRAWINGS OF ALL LIGHT FIXTURES AND POLES FOR REVIEW AND APPROVAL BY THE APPROPRIATE ENTITIES.
- THE APPLICANT WILL ENSURE THAT THE POLE/FIXTURE FINISH AND COLOR AND THE LIGHT SOURCE COLOR RENDITION OF ALL PROPOSED LIGHT FIXTURES AND POLES SHALL MATCH THE EXISTING POLES AND FIXTURES USED THROUGHOUT THE PENN MEDICINE CAMPUS. FINAL DETAILS AND COLORS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY PLAINSBORO TOWNSHIP.

#### LEGEND:

- EXISTING LIGHT FIXTURE AND POLE TO REMAIN
- PROPOSED BOLLARD
  - B = STANDARD BOLLARD - NON ILLUMINATED
  - BI = STANDARD BOLLARD - ILLUMINATED
  - IB = SECURITY (IMPACT) BOLLARD - NON ILLUMINATED
  - IBI = SECURITY (IMPACT) BOLLARD - ILLUMINATED
- ↔ REUSE/RELOCATED LIGHT FIXTURE AND 25' POLE (FIXTURES A THROUGH F) DOUBLE MOUNTED LIGHT
- ↔ REUSE/RELOCATE LIGHT FIXTURE AND 25' POLE (FIXTURES G THROUGH J) SINGLE MOUNTED LIGHT
- ↔ REUSE/RELOCATE LIGHT FIXTURE AND 14' POLE (FIXTURES K THROUGH U) SINGLE MOUNTED LIGHT
- ↔ NEW FIXTURE AND 25' POLE (FIXTURE V) DOUBLE MOUNTED LIGHT



TYPICAL PHOTOMETRIC CONTOUR DETAIL  
NOT TO SCALE

Diversified NJ Luminaire Schedule										
Symbol	Qty	Manufacturer	Light Fixture	CCT	Lum. Lumens	LLF	Lum. Watts	Pole / Bracket	AFG (FT)	Description
<span style="color: green;">↔</span>	4	ARCHITECTURAL AREA LIGHTING	M22-P-36L-15-3K7-3-CL-COLOR-CONFIRM EXISTING POLE DIA-VOLTS R56	3000K	7630	0.880	71.13	REUSE FIXTURE ON EXISTING 25' POLE (LIGHT FIXTURE SETUPS G THROUGH J)	25	SINGLE TYPE 3
<span style="color: black;">●</span> BI	14	FORMS+SURFACES	LBCB500/SECTOR180/VOLTS/COLOR/R56	3000K	539	0.880	21.1	NEW BOLLARD	3.5	BOLLARD
<span style="color: black;">●</span> IBI	3	FORMS+SURFACES	LBCB500/SECTOR180/VOLTS/COLOR/S10-P1/R56	3000K	539	0.880	21.1	NEW BOLLARD, SECURITY CORE	3.5	BOLLARD
<span style="color: red;">↔</span>	6	ARCHITECTURAL AREA LIGHTING	M22-P-36L-615-3K7-5W-CL-COLOR-X-_ODMNT VOLTS R56	3000K	7787	0.880	71.13	REUSE EXISTING FIXTURES AND 25' POLE (LIGHT FIXTURE SETUPS A THROUGH F)	25	TWIN TYPE 5
<span style="color: blue;">↔</span>	11	ARCHITECTURAL AREA LIGHTING	M22-P-36L-615-3K7-5W-CL-COLOR-X-_ODMNT VOLTS R56	3000K	7787	0.880	71.13	REUSE EXISTING FIXTURES AND 14' POLE (LIGHT FIXTURE SETUPS K THROUGH U)	14	SINGLE TYPE 5
<span style="color: magenta;">↔</span>	1	ARCHITECTURAL AREA LIGHTING	M22-2P-36L-615-3K7-5W-CL-COLOR-X-_ODMNT VOLTS R56	3000K	7787	0.880	71.13	NEW FIXTURE AND NEW 25' POLE (LIGHT FIXTURE V)	25	TWIN TYPE 5

#### Project Contact Information:

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DIV GRP CALCULATION							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	1.1	20.1	0.0	N.A.	N.A.
DRIVE LANE	Illuminance	Fc	1.3	2.5	0.5	2.5	5.0
PARKING LOT NORTH	Illuminance	Fc	1.3	3.3	0.4	3.3	8.3
PARKING LOT SOUTH	Illuminance	Fc	1.1	2.9	0.4	2.8	7.3
WALKING PATH	Illuminance	Fc	1.8	2.6	0.7	2.5	3.7

30 0 30 60  
SCALE : 1" = 30'

PROJECT INFORMATION  
1 Plainsboro Road  
Plainsboro, NJ 08836  
JOB NO. 5262-000  
BLDG NO. 170-14-1-01  
Township of Plainsboro  
Middlesex County, New Jersey 08836

#### PROPOSED LIGHTING PLAN

C213

DRAWING INFORMATION  
07/31/2024  
08/02/2024  
PACKAGE 0  
PACKAGE 1



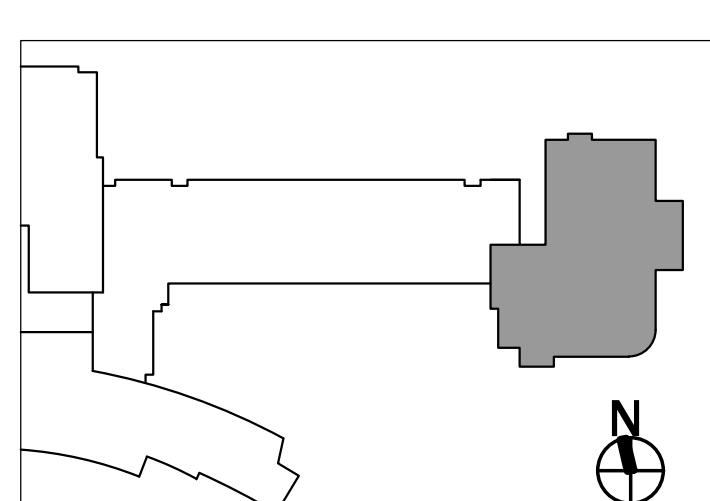
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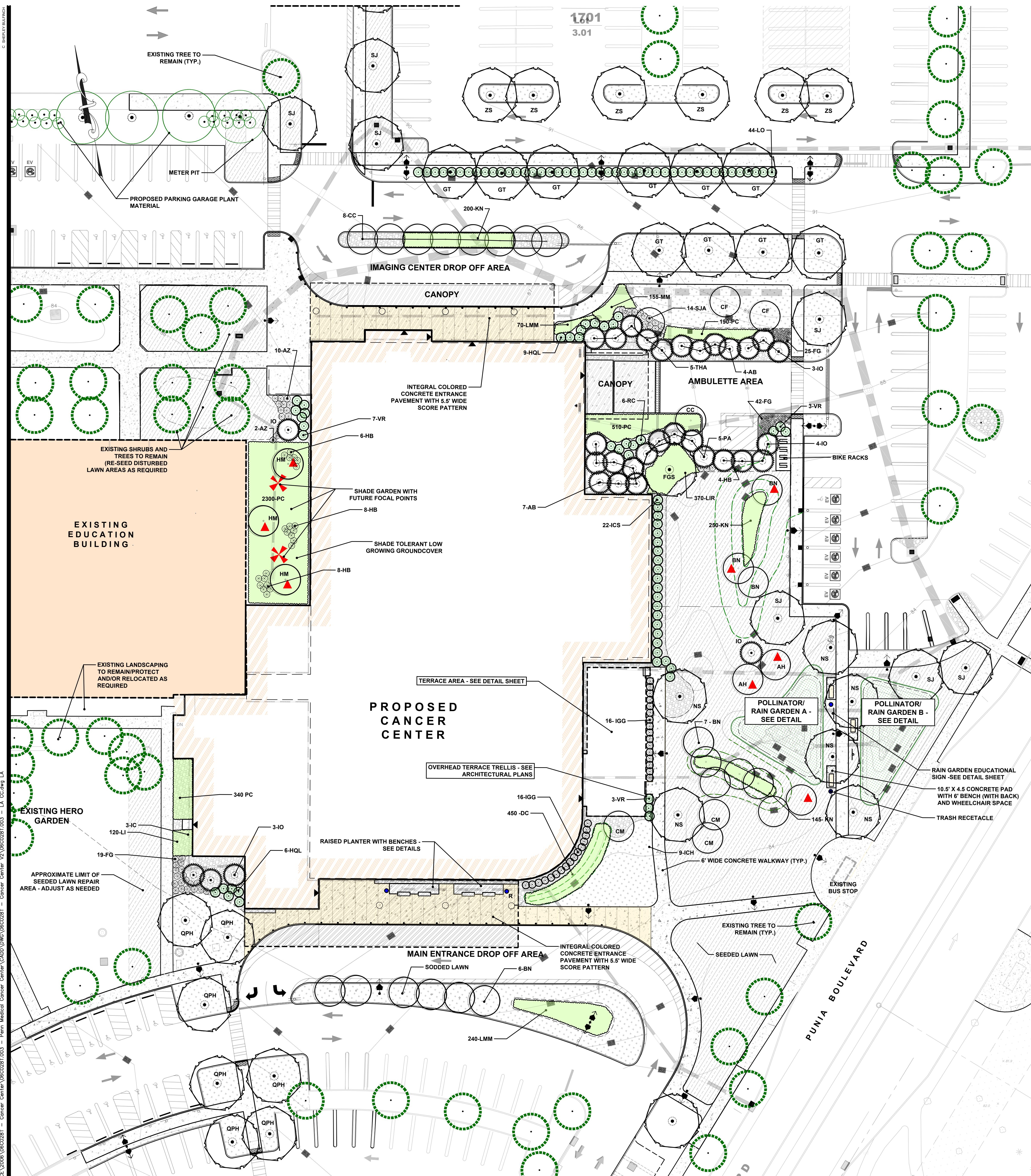
ANDREW L. FRENCH, P.E.  
PROFESSIONAL ENGINEER, N.J. LIC. NO. 42894

NO. DATE	DESCRIPTION



PENN MEDICINE  
PRINCETON  
HEALTH CCIC

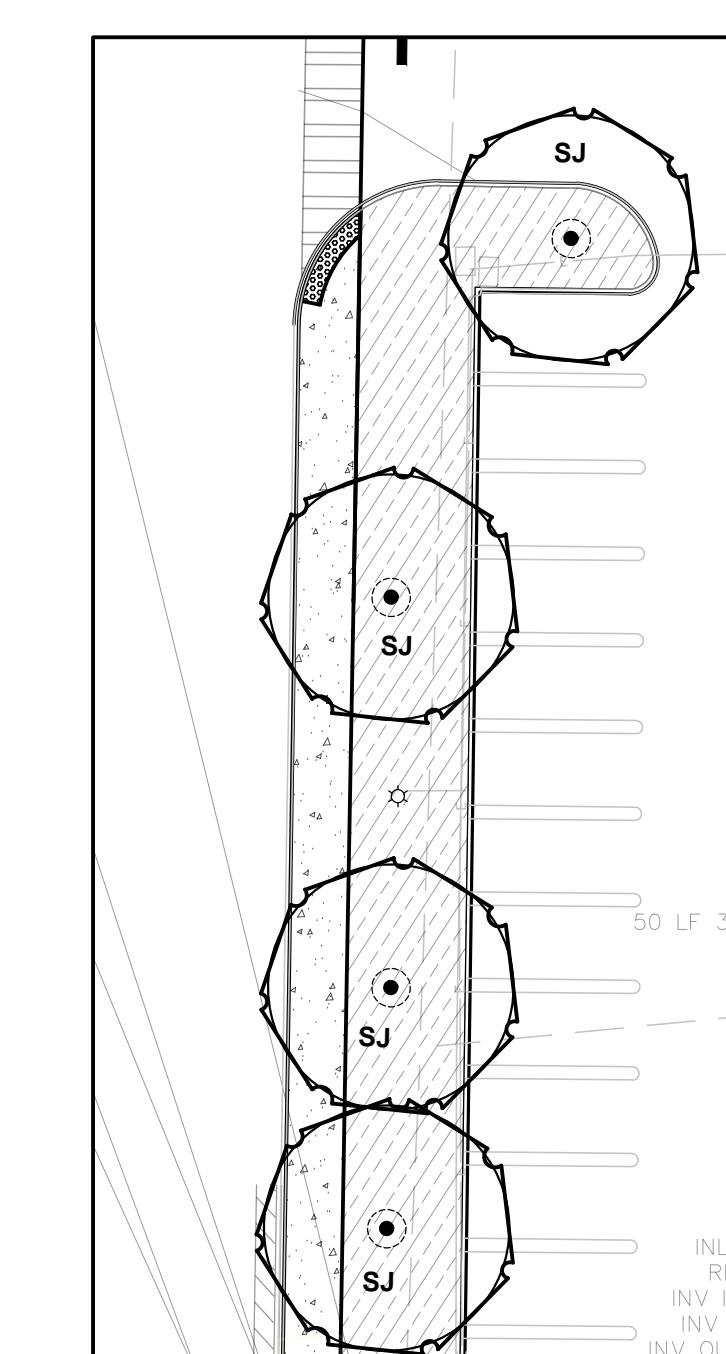




SAMPLE PLANT LIST						
DECIDUOUS SHADE AND ORNAMENTAL TREES						
SYM	QTY	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MATURE SIZE	REMARKS
D N* AH	2	OSTRYA VIRGINIANA	HOPHORNBEAM	2.5" CALIPER	20'-35' HEIGHT, 25'-35' SPREAD	B & B, ORANGE/RED/YELLOW FALL COLOR, SMOOTH TRUNK, MULTI TRUNK
N#* BN	16	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	2.5" CALIPER	50'-70' HEIGHT, 25'-35' SPREAD	B & B, YELLOW FALL COLOR, MULTI TRUNK ONLY
N* CC	9	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY REDBUD	8' HEIGHT	20'-30' HEIGHT AND SPREAD	B & B, MULTI-TRUNK, PINK FLOWERS, APRIL
N CF	2	CORNUS FLORIDA WHITE	WHITE FLOWERING DOGWOOD	8' HEIGHT	20'-30' HEIGHT AND SPREAD	B & B, MULTI-TRUNK, WHITE FLOWERS, APRIL/MAY
CM	3	LAGERSTROEMIA INDICA 'CATAWBA'	CATAWBA CREPE MYRTLE	6'-7' HEIGHT	10' -12' HEIGHT AND SPREAD	B & B, SMALL MULTI-TRUNK TREE, PURPLE FLOWERS SUMMER, MATCHED SPECIMENS
* FGS	1	FAGUS SYLVATICA 'PENDULA'	EUROPEAN WEEPING BEECH	2.5" CALIPER	50'-70' HEIGHT, 25'-35' SPREAD	B & B, FOCAL POINT TREE, SINGLE TRUNK, WEEPING HABIT
D N #& GT	11	GLEDISTIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	2.5" CALIPER	50'-70' HEIGHT, 25'-35' SPREAD	B & B, YELLOW FALL COLOR, SINGLE TRUNK
D N # HM	3	HAMAMELIS VIRGINIANA 'ARNOLD'S PROMISE'	ARNOLD'S PROMISE WITCHAZEL	8' HEIGHT	15'-20' HEIGHT AND SPREAD	B & B, MULTI TRUNK, DECIDUOUS TREE WITH YELLOW FLWRS, FEBRUARY
N * NS	6	NYSSA SYLVATICA	BLACK GUM	2.5" CALIPER	30'-40' HEIGHT, 20'-30' SPREAD	B & B, BRIGHT RED FALL COLOR, SINGLE TRUNK
D N*& QPH	7	QUERCUS PHELLOS	WILLOW OAK	2.5" CALIPER	40'-50' HEIGHT AND SPREAD	B & B, DECIDUOUS TREE, SINGLE STEM, YELLOW FALL COLOR
D SJ	11	STYPHNOLOBIUM JAPONICUMS	CHINESE SCHOLARTREE	2.5" CALIPER	40'-50' HEIGHT AND SPREAD	B & B, DECIDUOUS TREE, SINGLE STEM, YELLOW FALL COLOR
D #* ZS	6	ZELKOVA SERRATA	JAPANESE ZELKOVA	2.5" CALIPER	50'-70' HEIGHT, 25'-35' SPREAD	B & B, LIGHT GREY BARK, SINGLE TRUNK, SPECIMEN
EVERGREEN TREES						
D N AB	11	ABIES CONCOLOR	WHITE FIR	8' HEIGHT	50'-70' HEIGHT, 25'-35' SPREAD	B & B, BLUE GREY FOLIAGE
D N # IO	12	ILEX OPACA FEMALE	BERRIED AMERICAN HOLLY	8' HEIGHT	50'-70' HEIGHT, 25'-35' SPREAD	B & B, RED BERRIES IN THE WINTER
D # PA	5	PICEA ABIES	NORWAY SPRUCE	8' HEIGHT	50'-70' HEIGHT, 25'-35' SPREAD	B & B
# & THA	5	THUJA PLICATA "GREEN GIANT"	GREEN GIANT ARBORVITAE	8' HEIGHT	30'-40' HEIGHT, 10'-12' SPREAD	B & B
SHRUBS						
N AZ	12	AZALEA 'DELAWARE WHITE'	DELAWARE VALLEY WHITE AZALEA	2' HEIGHT	3'-4' HEIGHT AND SPREAD	B & B, WHT FLWRS, MAY, EVERGREEN
N HQL	15	HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	3' HEIGHT	6'-8' HEIGHT AND SPREAD	B & B, WHITE FLWRS, SUMMER, OAK LEAF SHAPED FOLIAGE
e	10	ILEX CRENATA CONVEXA	CONVEX JAPANESE HOLLY	4' HEIGHT	4'-8' HEIGHT AND SPREAD	# 7 CONT., EVERGREEN SHRUB, MATCHED SPECIMENS ONLY
D & ICS	22	ILEX CRENATA STEEDS	STEEDS JAPANESE HOLLY	3' HEIGHT	5'-6' HEIGHT AND SPREAD	B & B, EVERGREEN SHRUB, MATCHED SPECIMENS ONLY
N# & IGG	32	ILEX GLABRA GEM BOX	GEMBOX INKBERRY HOLLY	2' HEIGHT	3' HEIGHT AND SPREAD	B & B, EVERGREEN SHRUB, MATCHED SPECIMENS ONLY
# LO	44	LIGUSTRUM OVALIFOLIUM	CALIFORNIA PRIVET	4' HEIGHT	6'-8' HEIGHT AND SPREAD	B & B, SEMI-EVERGREEN, MATCHED SPECIMENS ONLY
N RC	6	RHODODENDRON CATAWBIENSE 'BOURSALT'	BOURSALT CATAWBA RHODODENDRON	3' HEIGHT	6'-10' HEIGHT AND SPREAD	B & B, LILAC FLOWERS MAY, EVERGREEN
D # SJA	14	SPIRAEA JAPANICA 'GOLDMOUND'	GOLDMOUND JAPANESE SPIRAEA	1' HEIGHT	2'-3' HEIGHT AND SPREAD	B & B, LILAC FLOWERS. MAY, ORANGE-RED FALL COLORS
# VR	13	VIBURNUM RHYTIDOPHYLLUM	LEATHERLEAF VIBURNUM	4' HEIGHT	10'-15' HEIGHT AND SPREAD	B & B, WHITE FLOWERS IN SPRING
GROUNDCOVERS, PERENNIALS AND ORNAMENTAL GRASSES						
D & DC	450	DELOSPERMA WHEELS OF WONDER - FIRE WONDER	FIRE WONDER WHEELS OF WONDER ICE PLANT	2" HEIGHT	4" TO 6" HEIGHT, 1' TO 2' SPREAD	1 GAL. CONT., DROUGHT TOLERANT PERENNIAL WITH RED FLOWERS, SUMMER TO FALL INSTALL AT 1' ON CENTER
D & FG	86	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE	6" HEIGHT	12" HEIGHT AND SPREAD	1 GAL. CONT., LIGHT BLUE DWARF ORNAMENTAL GRASS, INSTALL AT 2' ON CENTER
N# HB	26	HELLEBORUS ORIENTALIS 'ROYAL HERITAGE STRAIN'	ROYAL HERITAGE STRAIN HELLEBORE	6" HEIGHT	18-24" HEIGHT AND SPREAD	2 GAL. CONT., PERENNIAL, MULTI COLOR FLOWERS, EARLY SPRING
D N# KN	450	GERANIUM MACULATUM	CRANESBILL GERANIUM	6" HEIGHT	12" HEIGHT AND SPREAD	1 GAL. CONT., PERENNIAL, PURPLE FLOWERS MAY TO AUGUST, INSTALL AT 18" ON CENTER
D # LMM	310	LAVENDULA ANGUSTIFOLIA "MUNSTEAD"	MUNSTEAD ENGLISH LAVENDER	1 GALLON CONTAINERS	12"-18" HEIGHT AND SPREAD	FRAGRANT PURPLE FLOWERS LATE SPRING TO EARLY SUMMER, PERENNIAL, INSTALL AT 1.5' ON CENTER
D N & LI	120	LIATRIS SPICATA 'KOBOLD'	KOBOLD BLAZING STAR LIATRIS	2 GALLON CONTAINERS	24"-30" HEIGHT, 12" SPREAD	PERENNIAL, PURPLE FLOWERS, JULY-AUGUST, INSTALL AT 1' ON CENTER
&# LIR	370	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	6" HEIGHT	12" HEIGHT AND SPREAD	1 GALLON CONT, GRNDCVR., BLUE FLOWERS, AUGUST, INSTALL AT 1' ON CENTER
N# MM	155	CALTHA PALUSTRIS	MARSH MARIGOLD	6" HEIGHT	1'-2' HEIGHT AND SPREAD	1 GALLON CONT, YELLOW FLOWERS MAY, INSTALL AT 1' ON CENTER
D # PC	3000	PACHYSANDRA TERMINALIS GREEN CARPET	GREEN CARPET PACHYSANDRA	1 GALLON CONTAINERS	12' HEIGHT, 12"-18" SPREAD	EVERGREEN GROUNDCOVER, DRY SHADE TOLERANT, INSTALL AT 1' ON CENTER

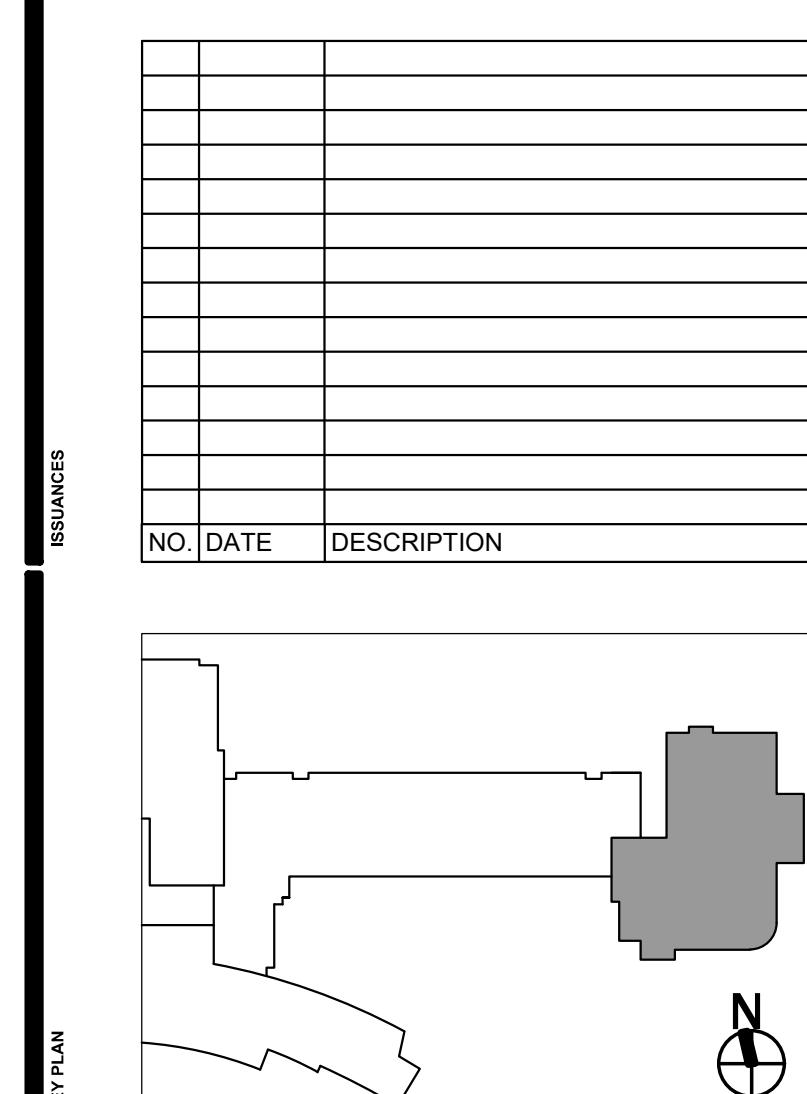
**LEGEND:**

- EXISTING TREE TO REMAIN - PROTECTIVE FENCING/DEMARCATION TO BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AT THE DRIPLINE /CANOPY OF TREES
- APPROXIMATE CANOPY SIZE
- PROPOSED BENCH WITH BACK
- PROPOSED TRASH CAN
- PROPOSED RECYCLING TRASH CAN
- PROPOSED BIRD FEEDER



## LANDSCAPE PLAN GENERAL NOTES

- 1.) EXISTING TREES AND SHRUBS TO REMAIN ALONG THE PERIPHERY OF THE CONSTRUCTION SHALL BE SELECTIVELY PRUNED AND THINNED AS REQUIRED BY A LICENSED LANDSCAPE PROFESSIONAL IN ORDER TO REMOVE ALL DISEASED AND DEAD LIMBS. BED LINES SHALL BE CREATED AS SHOWN AND MULCHED WITH 4" THICK WOOD MULCH.
- 2.) DO NOT INSTALL PROPOSED PLANT MATERIAL DIRECTLY ON TOP OF ANY PROPOSED OR EXISTING UNDERGROUND UTILITIES . FIELD ADJUST MATERIAL AS NEEDED FOR BOTH ABOVE AND BELOW GRADE FEATURES AS DIRECTED BY THE PROJECT PROFESSIONAL TO ACCOMMODATE ANY POTENTIAL CONFLICTS.
- 3.) A DRIP LINE IRRIGATION SYSTEM WILL BE PROVIDED WITHIN THE PROPOSED PROJECT AREA.
- 4.) SEE LANDSCAPE DETAIL SHEET FOR ADDITIONAL PLANTING NOTES AND PLANT LISTS



# PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO: 5267.003  
Block 7401 Lot 3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

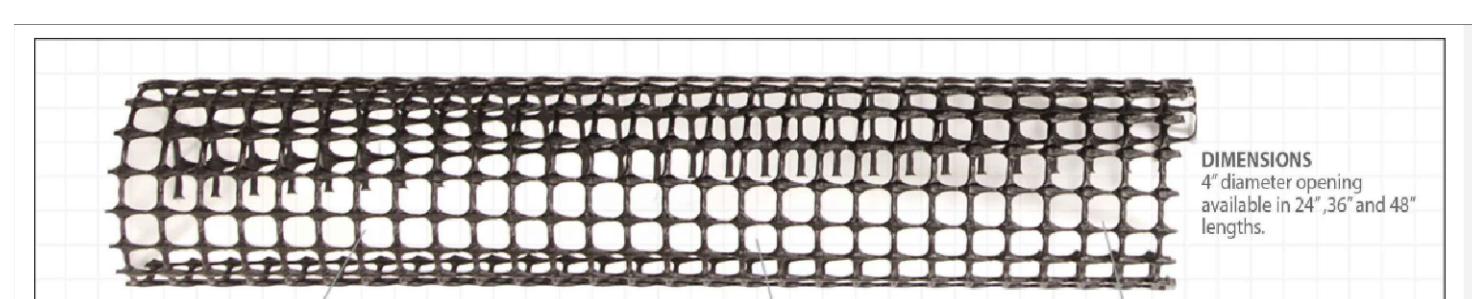
## LANDSCAPING PLAN

# C215



**PLANTING NOTES**

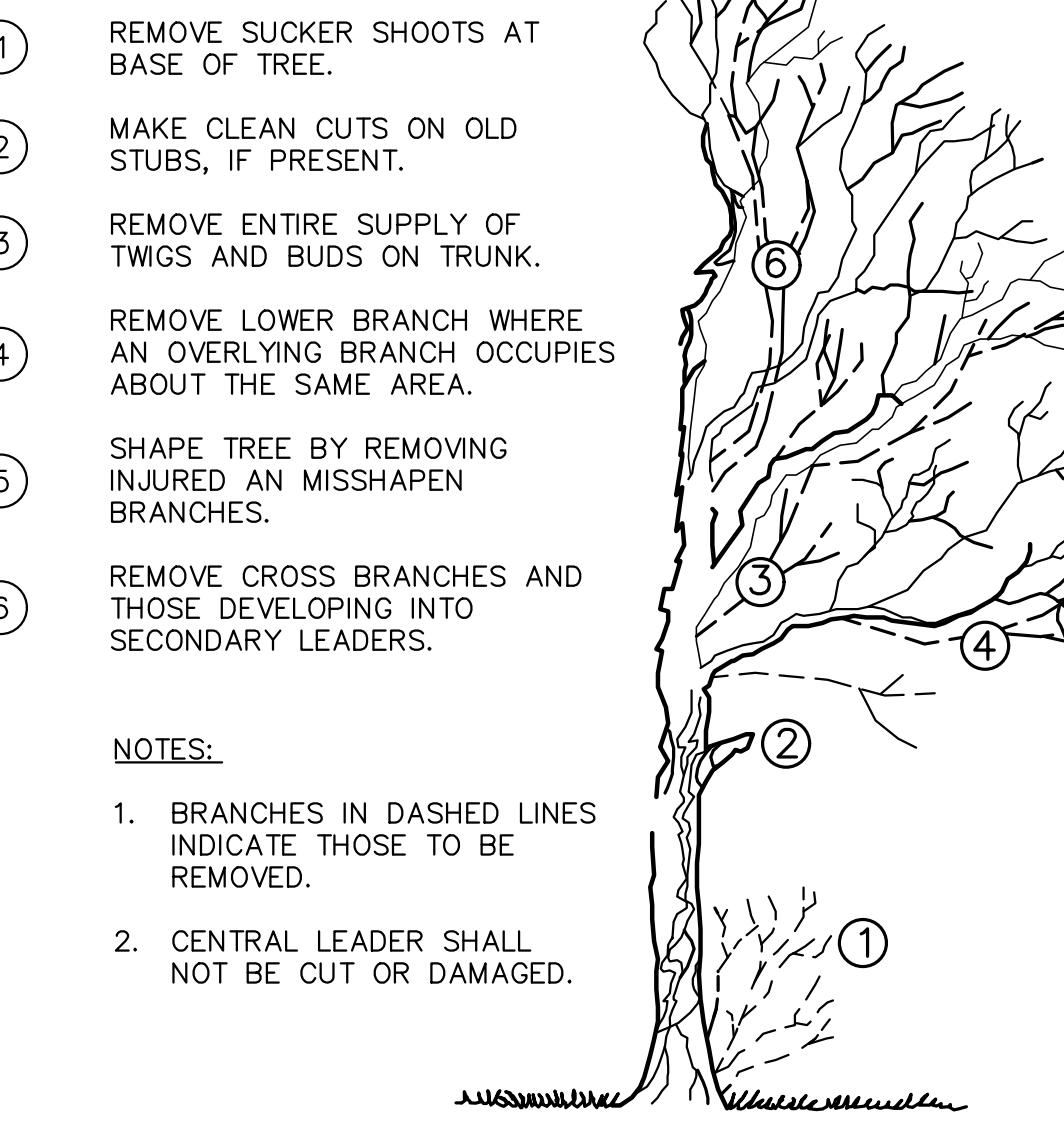
1. THE LANDSCAPE PLANS SHALL BE USED FOR LANDSCAPING PURPOSES ONLY. THE CONTRACTOR SHOULD EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR EXACT LOCATIONS OF UTILITIES, DRAINS, ETC., AND NOTIFY THE OWNER ABOUT ANY DISCREPANCIES BEFORE STARTING WORK.
2. ALL PLANTING SHALL BE IN CONFORMANCE WITH THE AMERICAN NURSERYMEN'S ASSOCIATION STANDARDS, CURRENT EDITION. ALL PLANT MATERIAL USED SHALL BE TRUE TO NAME AND SIZE IN CONFORMITY WITH THE CURRENT EDITION OF THE AMERICAN STANDARDS OF PLANT STOCK AND SIZE, BE TYPICAL OF THEIR SPECIES OR VARIETY, ALL PLANTS SHALL HAVE NORMAL, WELL-FOLDED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUN SCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFECTION. ALL PLANTS SHALL BE NURSERY GROWN. ALL PLANT MATERIAL SHALL BE TAGGED AT THE NURSERY SOURCE AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PLANTING.
3. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOLS RELATED TO THE EXECUTION OF THIS CONTRACT.
4. EXCAVATION NEAR EXISTING UTILITIES TO BE CAREFULLY PERFORMED BY HAND.
5. ALL PLANT MATERIAL SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS IT BORE TO EXISTING GRADE AT THE NURSERY. ALL PLANT MATERIAL SHALL BE PLANTED SO THAT THE TOP OF THE ROOTBALL IS NO HIGHER OR LOWER THAN THE EXISTING/FINISHED GRADE DEPENDENT UPON SOIL CONDITIONS.
6. IN THE EVENT THAT PLANTING DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE LANDSCAPING PLAN SHALL GOVERN. THE USE AND PLANTING OF BARE ROOT MATERIAL SHALL BE PROHIBITED.
7. ANY SUBSTITUTIONS OF PLANT MATERIAL WITH REGARDS TO SIZE, SPECIES, VARIETY, ETC., SHALL BE SUBJECT TO APPROVAL BY PLAINSBORO TOWNSHIP.
8. PLANTS SHALL ONLY BE INSTALLED WHEN THE SOIL IS FROST FREE.
9. UNDER NO CIRCUMSTANCES SHOULD THE MAIN LEADER OF A DECIDUOUS OR EVERGREEN TREE BE TOPPED. DECIDUOUS TREES SHALL BE PRUNED BY REMOVAL OF 1/3 OF THE INTERIOR BRANCHING STRUCTURE WITHOUT ALTERING THE ORIGINAL BRANCHING FORM OF THE TREE.
10. ALL DISTURBED AREAS, NOT BEING PLANTED, SHALL BE TOPSOILED 4" THICK, FERTILIZED, SEEDED, AND MULCHED WITH APPROVED MULCH. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE SOIL CHARACTERISTIC OF PRODUCTIVE SOIL IN THE VICINITY. IT SHALL BE FREE OF LUMPS OF CLAY, STONES, ROOTS, AND OTHER FOREIGN MATTER.
11. CUT AND LOOSEN SISAL HEMP CHOKING TIE AROUND TREE TRUNK. ALL PLASTIC MATERIAL SHALL NOT BE PERMITTED. ALL WIRE BASKETS AND PLASTIC LINERS OF CONTAINER GROWN TREES AND SHRUBS MUST BE COMPLETELY REMOVED. NO CONTAINER GROWN MATERIAL WILL BE ACCEPTED IF IT IS ROOT BOUND AND NOT ROOT PRUNED. THE USE OF NYLON TWINE ON ROOT BALLS IS PROHIBITED.
12. THE DEPTH OF PLANT PITS SHALL BE INCREASED BY 12" THROUGH THE ADDITION OF LOOSE AGGREGATE (3/4" TO 1 1/2" DIAMETER) WHEREVER POOR DRAINAGE OCCURS OR WHERE DIRECTED BY THE TOWNSHIP.
13. GUY WIRES SHALL BE LOCATED SO THAT THEY WILL NOT PULL CROTCH APART. GUY WIRES TO SECOND BRANCH (MINIMUM ONE-THIRD HEIGHT OF TREE). USE THREE GUYS PER TREE UNLESS OTHERWISE INDICATED. ALL TREE STAKES, GUY WIRES, TREE WRAPPING AND SAUCERS SHALL BE REMOVED AFTER ONE GROWING SEASON.
14. PLANTS PLANTED IN ROWS SHALL BE MATCHED SPECIMENS AND BE UNIFORM IN SIZE AND FORM.
15. IN THE EVENT THAT EXISTING VEGETATION IS REMOVED BEYOND THE CLEARING LIMITS SHOWN ON THE PLANS, ADDITIONAL PLANTING MUST BE PROVIDED AS APPROVED BY THE TOWNSHIP AND AT NO COST TO THE OWNER.
16. PLANTING BACKFILL MIXTURE SHALL CONSIST OF ONE PART TOPSOIL, ONE PART NATIVE SOIL AND ONE PART PEAT MOSS. NOTE THAT PLANTING MIXTURE MAY CHANGE BASED UPON SOIL CONDITIONS.
17. MULCH, 4" IN DEPTH, SHALL BE TREATED SHREDDED HARDWOOD BARK NOT EXCEEDING 2" IN GREATEST DIMENSION. MULCH SHALL BE INSTALLED WITH A MAXIMUM OF ONE (1) INCH WITHIN ONE (1) FOOT ON THE TREE'S ROOT FLARE. A NON-PLASTIC WEED RETARDANT BARRIER SHALL BE USED IN ALL NON GRASSED AREAS. MULCH SHALL BE FINE GRADED FOR A PLEASING APPEARANCE. THE USE OF MARBLE OR PINE BARK CHIPS IS PROHIBITED. MULCH VOLCANES ARE NOT PERMITTED.
18. ALL PLANT MATERIAL SHALL BE GIVEN A MINIMUM OF 5 GALLONS OF WATER AT THE TIME OF INSTALLATION AND SHALL BE WATERED AT INTERVALS DURING ESTABLISHMENT TO ENSURE ADAPTATION TO SITE. PRIOR TO THE INSTALLATION OF THE PLANT MATERIAL, CONTRACTOR SHALL FILL EACH PLANTING SITE WITH TOPSOIL, ALLOW IT TO DRY/RECOVER, AND INTO THE GROUND PRIOR TO PLACEMENT OF THE PLANT. THE CONTRACTOR SHALL NOTIFY EITHER THE TOWNSHIP OR PROJECT LANDSCAPE ARCHITECT OF ANY PERCOLATION PROBLEMS PRIOR TO INSTALLATION.
19. PREFERRED PLANTING TIME PERIODS ARE FROM SEPTEMBER 1 TO NOVEMBER 30 OR MARCH 20 TO MAY 31. NO PLANTING SHALL BE EXECUTED DURING ABNORMALLY HOT WEATHER NOR WHEN THE GROUND IS FROZEN.
20. THE CONTRACTOR SHALL REMOVE ALL DAMAGED BRANCHES AND NURSERY TAGS AT THE TIME OF INSTALLATION.
21. ALL TURF SHALL RECEIVE FERTILIZER CONSISTING OF 10-6-4 (50% ORGANIC) COMPOSITION, APPLIED AT 3 LBS. PER 100 SQ. FT. SLOW RELEASE FERTILIZER TABLETS OR PACKETS OF 20-10-5 COMPOSITION SHALL BE ADDED TO ALL PLANTING PITS AT THE FOLLOWING RATIOS: 1 PER SHRUB, 2 PER DECIDUOUS OR EVERGREEN TREES UP TO 2" IN CALIPER AND 3 FOR DECIDUOUS AND EVERGREEN TREES ABOVE 2" IN CALIPER.
22. EACH TREE THAT IS PLANTED MUST BE TAGGED WITH A DURABLE LABEL BEARING THE GENUS, SPECIES, VARIETY, PLANT PATENT NUMBER (IF APPLICABLE) AND CULTURAL REQUIREMENTS AND MUST BE INSPECTED PRIOR TO REMOVAL.
23. ALL GROUPED SHRUBS SHALL BE MULCHED TOGETHER TO FORM ONE CONTINUOUS PLANTING BED.
24. CONTRACTOR TO BE RESPONSIBLE FOR SEEDING AREAS BEING DISTURBED BY CONSTRUCTION. SEED MIXTURE TO BE IN ACCORDANCE WITH SOIL CONSERVATION DISTRICTS STANDARDS.
25. ALL TREES FOUR (4) FEET OR GREATER IN HEIGHT SHALL BE STAKED.
26. ALL SHRUBS SHALL BE INSTALLED A MINIMUM OF THREE (3) FEET BEHIND THE CURB.
27. ANY PLANT RELOCATIONS SHALL BE SUBMITTED TO PLAINSBORO TOWNSHIP FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
28. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR PERIOD OF TWO YEARS FROM THE TIME OF PLANTING.



#### TREE TRUNK PROTECTION DETAIL

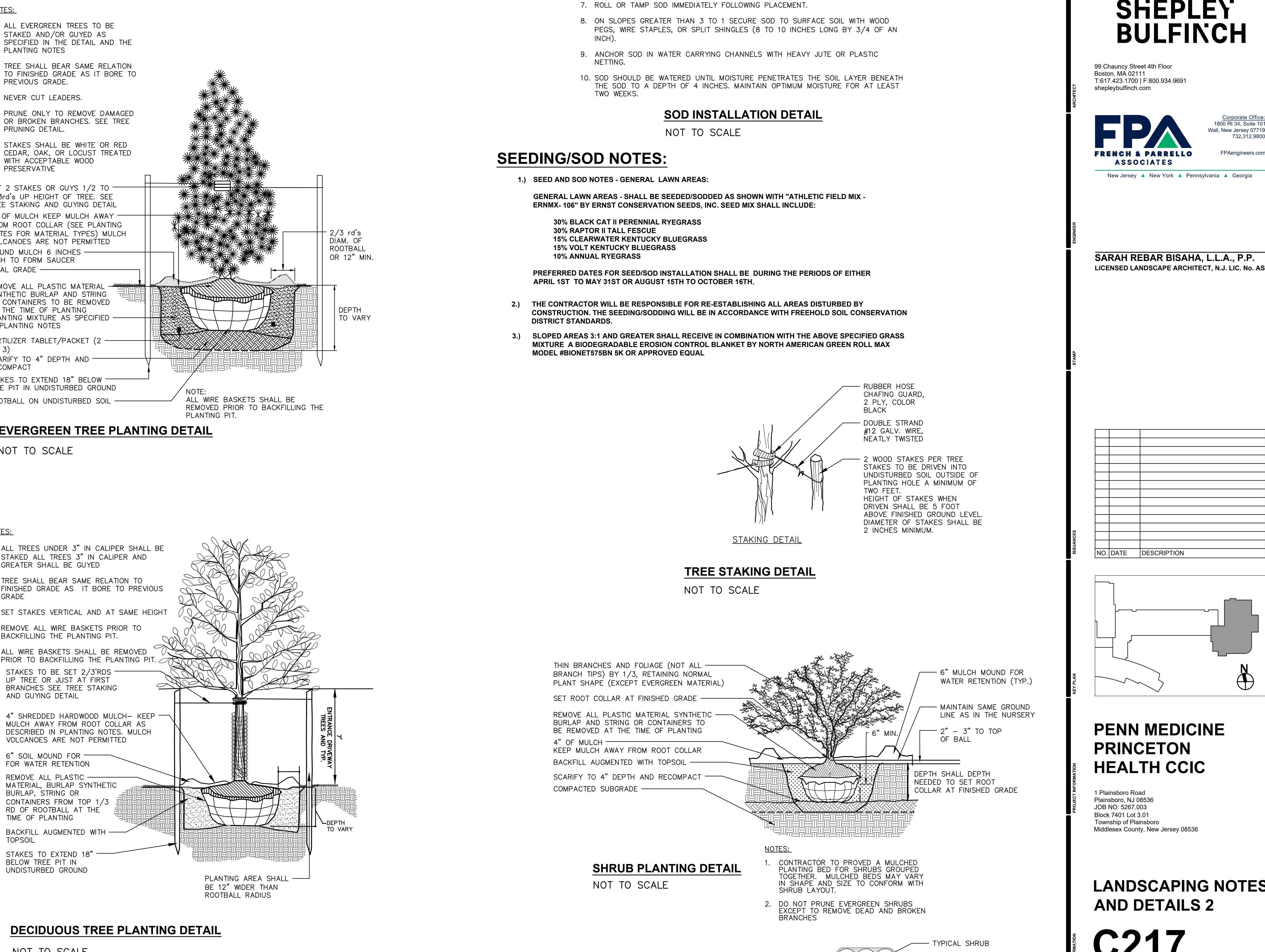
NOT TO SCALE

4' LONG, 4" DIAMETER TREE TRUNK PROTECTION MESH SHALL BE MANUFACTURED BY A.M. LEONARD (<https://www.amleo.com/leonard-rigid-plastic-mesh-tree-guards-4-inch-diameter/p/VP-BG/1>) OR APPROVED EQUAL.



#### TREE PRUNING DETAIL

NOT TO SCALE



SARAH REBAR BISAH, L.L.A., P.P.  
LICENSED LANDSCAPE ARCHITECT, N.J. LIC. No. AS000639

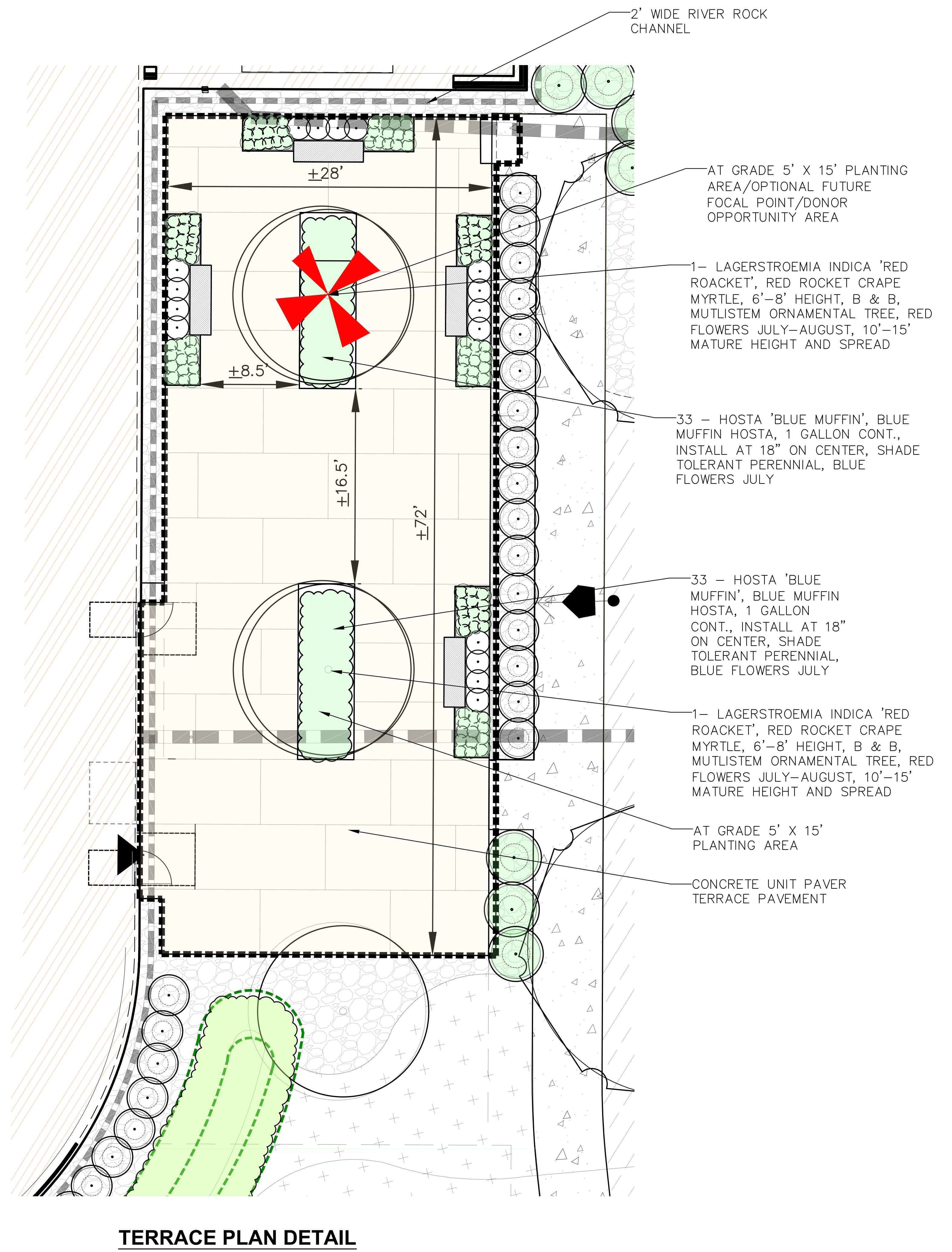
#### PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
Bldg 740, Lvl 1-3  
Township of Plainsboro  
Middlesex County, New Jersey 08536

#### LANDSCAPING NOTES AND DETAILS 2

C217



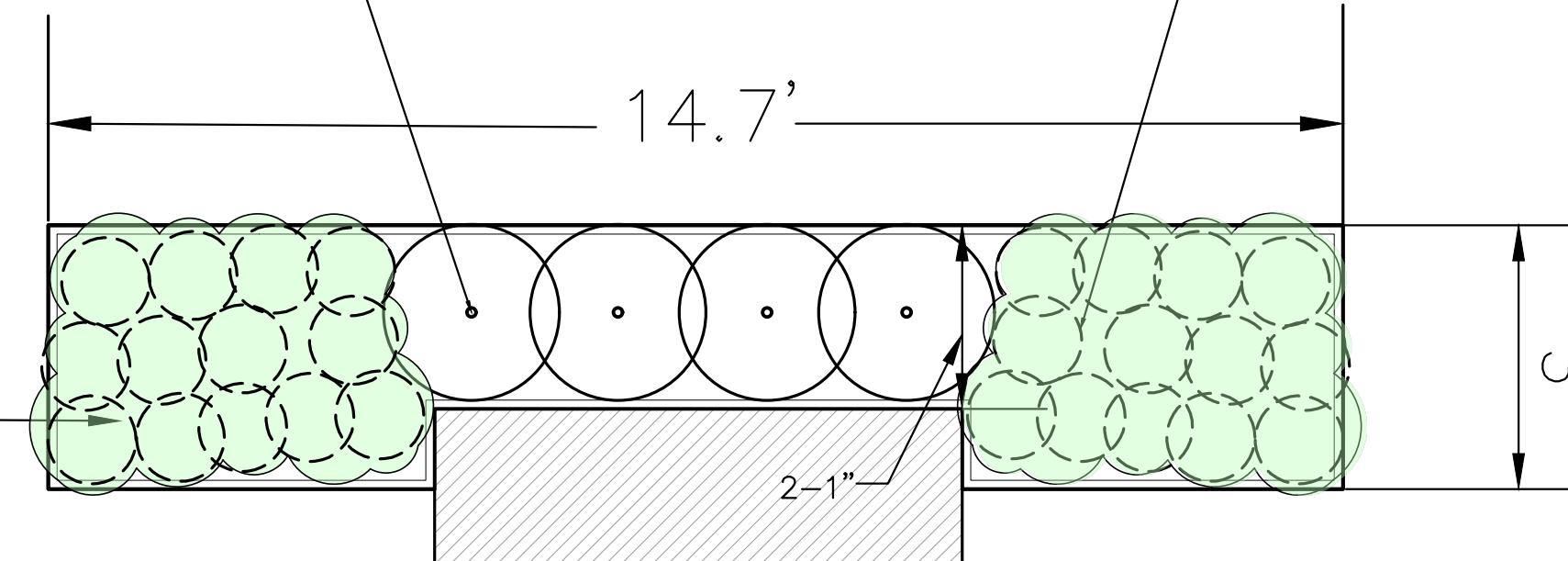


TERRACE PLAN DETAIL

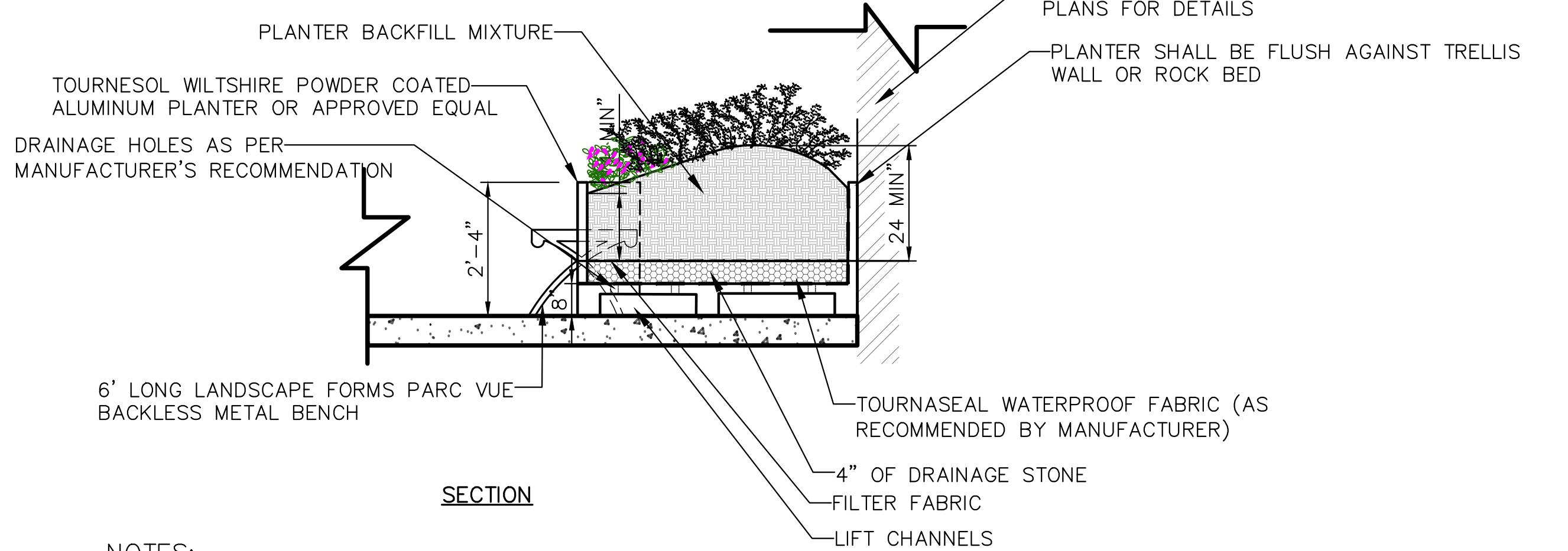
SCALE: 1" = 5'

4-ILEX CRENATA SKY PENCIL - SKY PENCIL HOLLY, INSTALL AT 2'-3' HEIGHT, B & B, UPRIGHT EVERGREEN HOLLY

13 - GERANIUM TINY MONSTER, TINY MONSTER GERANIUM, 1 GALLON CONTAINERS, PART SHADE 6"-12" HIGH PERENNIAL, PURPLE FLOWERS MAY TO AUGUST



## PLAN VIEW



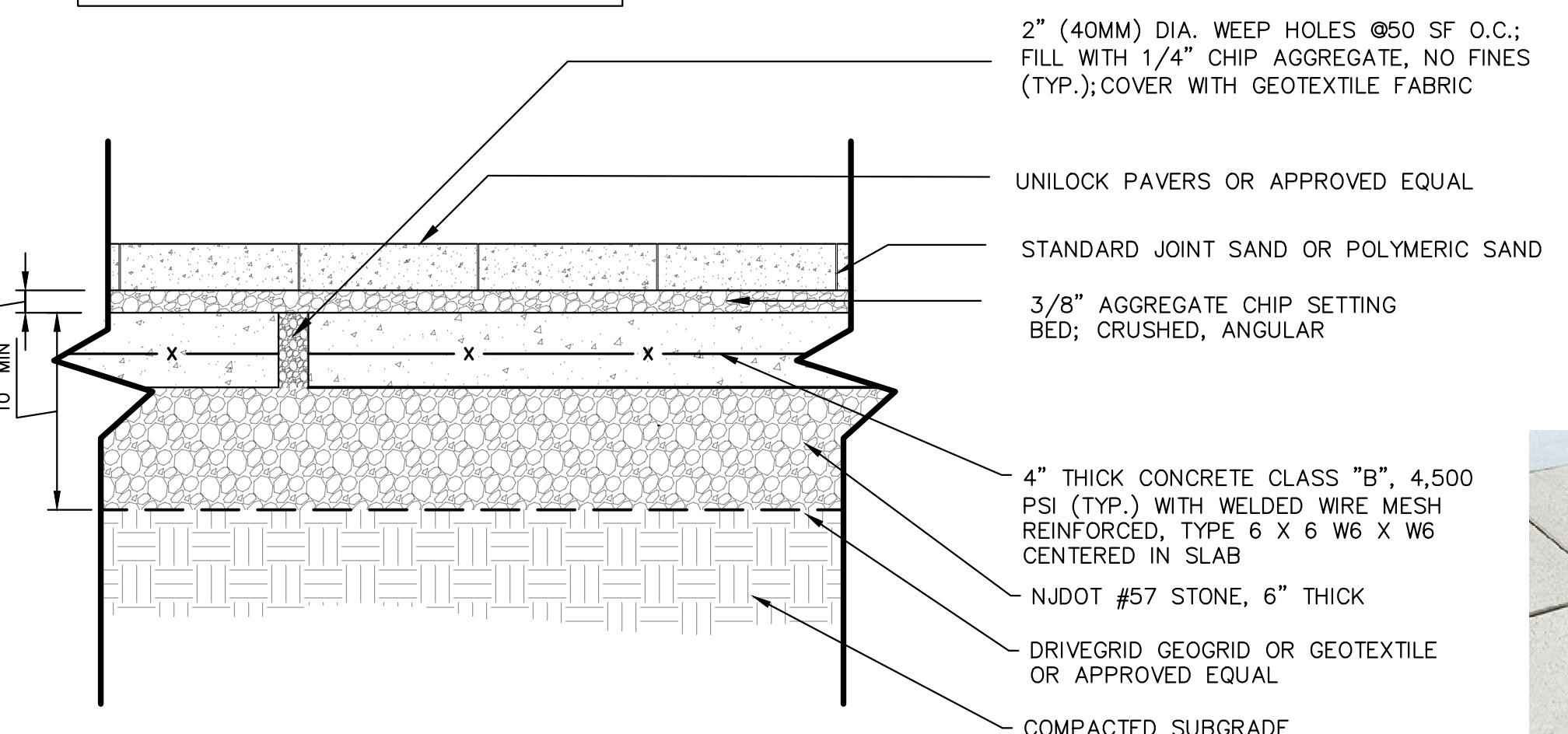
## NOTES:

1. CUSTOM PLANTERS TO MANUFACTURED BY TOURNESOL, UNION CITY CALIFORNIA (TOURNESOL.COM) MODEL WILTSHIRE RECTANGULAR IN POWDER COATED ALUMINUM. COLOR TO SELECTED FROM STANDARD AVAILABLE COLORS BY OWNER.
2. THE DETAIL PROVIDED ON THIS DRAWING IS FOR SCHEMATIC AND INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL BE REQUIRED TO CONTACT THE PLANTER MANUFACTURER FOR SPECIFIC DESIGN DETAILS AND APPLICABLE OPTIONS, SHOP DRAWINGS TO BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

## SCHEMATIC TERRACE PLANTER LAYOUT

NOT TO SCALE

NOTE: PROTECT UNILOCK PAVER SURFACE WITH URETHANE SCUFF PAD DURING COMPACTION.



TERRACE CONCRETE UNIT PAVER DETAIL

NOT TO SCALE

PRODUCT:  
ARCANA 18" X 24" X 2"  
CONCRETE UNIT PAVER COLOR  
TO BE SELECTED BY OWNER

## NOTES:

1. PROVIDE 1/2" X 18" STAINLESS STEEL DOWEL PINS AT 2'-0" O.C. AT ALL EXPANSION JOINTS.
2. CONTROL JOINTS- CONVENTIONAL SAW-CUT JOINTS  
A.) DEPTH OF JOINT AT LEAST 1/4 OF SLAB DEPTH OR 1" MIN WHICHEVER IS GREATER  
B.) JOINTS ARE TO BE CUT AFTER THE SLAB HAS BEEN FINISHED- WITHIN 4 HOURS IN HOT WEATHER AND 12 HOURS IN COLD WEATHER  
C.) CUT 1/2 OF THE REINFORCING STEEL AT THE JOINT
3. REFORMED BITUMINOUS CELLULAR JOINT FILLERS 1/2" THICK SHALL BE PLACED AT INTERVALS NOT EXCEEDING TWENTY (20) FEET ON CENTER. DUMMY (FORMED) JOINTS SHALL BE CUT INTO THE CONCRETE SIDEWALK BETWEEN THE EXPANSION JOINTS AT EQUAL INTERVALS OF 5' AND/OR AS SHOWN OR NOT EXCEEDING THE WIDTH OF THE SIDEWALK.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, INCLUDING THE MANUFACTURER'S SPECIFICATIONS AND COLOR CHART FOR SELECTION AND APPROVAL BY THE OWNER PRIOR TO ORDERING ANY CONSTRUCTION MATERIALS.
5. THE CONTRACTOR SHALL SUBMIT 12" X 12" COLOR SAMPLES FOR UNILOCK PAVERS FOR REVIEW AND APPROVAL PRIOR TO ORDERING ANY MATERIAL.
6. THE SIDEWALK SUBGRADE SHALL BE NJDOT #57, 6" THICK OR MATERIAL APPROVED BY THE ENGINEER, AND COMPACTED PRIOR TO THE PLACEMENT OF ANY SIDEWALK. COMPACTION SHALL BE A MINIMUM OF 95% AND SHALL COMPLY WITH ASTM TEST METHOD D-15-57, THE MODIFIED PROCTOR.
7. PROVIDE PAVER EDGING WHEREVER PAVERS MEET ROCK OR PLANTING BEDS AS PER THE RECOMMENDATIONS OF THE MANUFACTURER.



SARAH REBAR BISAH, L.L.A., P.P.  
LICENSED LANDSCAPE ARCHITECT, N.J. LIC. No. AS000639

PENN MEDICINE  
PRINCETON  
HEALTH CCIC


1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO. 5262-100  
BLDG. 740, Lvl 1-3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

LANDSCAPING NOTES  
AND DETAILS 3

C218

07/31/2024  
08/02/2024

PACKAGE 0  
PACKAGE 1



## SOIL EROSION AND SEDIMENT CONTROL NOTES

- THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
- N.J.S.A. 4:24-39 ET. SEQ. REQUIRES THAT CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. THE DISTRICT AND A REPORTER CO-OPERATIVE EXTENSION OFFICE (HTTP://NJAES.RUTGERS.EDU/COUNTY/), FERTILIZER SHALL BE APPLIED AT A RATE OF 50 POUNDS PER ACRE, OR EQUIVALENT, AND INSOLUBLE, IN THE FORM OF IRON SULFIDE, OR EQUIVALENT, UNLESS THE SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE-HALF THE RATE DURING THE SEEDING PHASE, AND THEN SEEDING PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 5 WEEKS AFTER SEEDING.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2 1/2 TONS PER ACRE, ACCORDING TO STATE STANDARD FOR STABILIZATION WITH MULCH.
- IMMEDIATELY AFTER DISTURBANCE, ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADBEDS, EMBANKMENTS, HILLS, DITCHES, TERRAIN) SEEING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STATE STANDARDS.
- THE SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT THE SUB-BASE WILL BE INSTALLED WITHIN TWENTY (20) DAYS OF THE CONSTRUCTION ACT.
- THE STABILIZED CONSTRUCTION ACT, REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF ONE INCH TO TWO INCH (1"-2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LENGTH WITHIN ALL OTHER ACCESS POINTS THAT WILL BE INSTALLED.
- ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE INTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY.
- PERMANENT VEGETATION IS TO BE SEED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
- AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATION IS TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE GROWTH, SOIL SHOULD BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROWTH. IF THE REMOVAL OF SOIL IS NOT POSSIBLE, THE SOIL SHOULD NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE ELEMENTS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS, OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LB/S/ACRE SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES, SHRUBS, AND PLANTS ARE PLANTED.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REROUTED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- UNLITERED DETERWALL IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DETERWALL OPERATIONS TO MINIMIZE DEWATERING. ANY DETERWALL METHODS USED MUST BE IN ACCORDANCE WITH THE STANDARD FOR DETERWALL.
- THE CONTROL OF DUST AT THE SITE WILL BE NECESSARY. THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATIVE COVERS SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
- STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
- ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
- THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

## FREEDOM SOIL CONSERVATION DISTRICT

4000 KOZLOSKI ROAD

PRINCETON, NEW JERSEY 08728

(732) 685-8000

## ACID SOILS NOTES

IN ORDER TO PROVIDE SUITABLE CONDITIONS FOR GROWTH AND VEGETATION AND TO PREVENT THE ACIDIFYING OF DRAINAGE AREAS UNDERLAIN WITH ACID FORMATIONS WITH A PH BELOW 4.0 THE FOLLOWING REQUIREMENT SHALL BE MET:

- LIMIT THE EXCAVATION AREA AND EXPOSURE TIME WHEN HIGH ACID PRODUCING SOILS ARE ENCOUNTERED.
- TOPSOIL STRIPPED FROM THE SITE SHALL BE STORED SEPARATELY FROM TEMPORARILY STOCKPILED HIGH ACID PRODUCING SOILS.
- STOCKPILES OF HIGH ACID PRODUCING SOIL SHOULD BE LOCATED ON LEVEL LAND TO MINIMIZE ITS MOVEMENT, ESPECIALLY WHEN THIS MATERIAL HAS A HIGH CLAY CONTENT.
- TEMPORARILY STOCKPILED HIGH ACID PRODUCING SOIL MATERIAL TO BE STORED MORE THAN 48 HOURS SHOULD BE COVERED WITH PROPERLY ANCHORED, HEAVY GRADE SHEETS OF POLYETHYLENE WHERE POSSIBLE. WHERE SHEETS ARE NOT POSSIBLE, A SILT FENCE SHALL BE INSTALLED AT THE TOE OF SLOPE TO CONTAIN MOVEMENT OF THE STOCKPILE. SILT FENCE SHALL NOT BE APPLIED TO THE STOCKPILE TO PREVENT TOPSOIL CONTAMINATION WITH HIGH ACID PRODUCING SOIL.
- HIGH ACID PRODUCING SOILS WITH A PH OF 4 OR LESS, OR CONTAINING IRON SULFIDE, (INCLUDING BORROW FROM CUTS OR PREDREDGED SEDIMENT) SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS PER ACRE, (OR 450 LB/S/ACRE SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES, SHRUBS, AND PLANTS ARE PLANTED.
- AREAS WHERE TREES OR SHRUBS ARE PLANTED SHALL BE COVERED WITH A MINIMUM OF 24 INCHES OF SOIL WITH A PH OF 5 OR MORE.
- DISPOSAL AREAS SHALL NOT BE LOCATED WITHIN 24" OF ANY SURFACE OF A SLOPE, BANK, SUCH AS BERMS, STREAM BANKS, DITCHES AND OTHERS TO PREVENT POTENTIAL LATERAL LEACHING DAMAGES.
- EQUIPMENT USED FOR MOVEMENT OF HIGH ACID-PRODUCING SOILS SHOULD BE CLEANED AT THE END OF EACH DAY TO PREVENT SPREADING OF HIGH ACID-PRODUCING SOIL MATERIALS TO OTHER PARTS OF THE SITE, INTO STREAMS OR OTHER CONCERNED AREAS AND TO PREVENT CONTAMINATION OF HIGH ACID-PRODUCING SOILS.
- NON-SEDIMENT EROSION CONTROL PRACTICES (STONE TRAPPING PADS, STRATEGICALLY PLACED LIMESTONE CHECK DAM, SEDIMENT BARRIER, WOOD CHIPS) SHOULD BE INSTALLED TO LIMIT THE MOVEMENT OF HIGH ACID-PRODUCING SOILS FROM AROUND, OR ON THE SITE.
- FOLLOWING BURIAL OR REMOVAL OF HIGH ACID-PRODUCING SOIL, TOPSOILING AND SEEDING OF THE SITE (SEE TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, AND SOIL EROSION AND SEDIMENT CONTROL PLANS) TO THE MAXIMUM PRACTICAL DEGREE. EROSION CONTROL, STABILIZATION AND THAT NO HIGH ACID-PRODUCING SOIL PROBLEMS EMERGE. IF PROBLEMS STILL EXIST, THE AFFECTED AREA MUST BE TREATED AS INDICATED ABOVE TO CORRECT THE PROBLEM.

## CONSTRUCTION SCHEDULE AND PROCEDURE FOR IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL MEASURES

- PROVIDE TEMPORARY STABILIZATION OF ALL DISTURBED AREAS AND INSTALL SILT FENCE, STABILIZED CONSTRUCTION ENTRANCE AND ALL OTHER NECESSARY SOIL EROSION MEASURES. (1 WEEK)
- PERFORM SITE CLEARING. (2 WEEKS)
- CLEAR AND ESTABLISH ROUGH GRADES AS NECESSARY TO CONSTRUCT BUILDING AND SITE IMPROVEMENTS. (2 WEEKS)
- INSTALL BIO-RETENTION SYSTEM, INLETS AND CONNECTING PIPES (5 WEEKS)
- INSTALL ALL UNDERGROUND UTILITIES. (3 WEEKS)
- INSTALL CURB, AND PAVEMENT BASE COURSE (4 WEEKS)
- CONSTRUCT BUILDING (12 WEEKS)
- ESTABLISH FINISHED GRADE, AND PROVIDE PERMANENT VEGETATIVE COVER. (2 WEEKS)
- PAVE DRIVEWAYS, ACCESS DRIVE AND COMPLETE LIGHTING. (3 WEEKS)
- REMOVE ACCESS PROTECTION, AND SILT FENCE AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED. (1 WEEK)

THE ABOVE SCHEDULE IS FOR THE IMPLEMENTATION AND INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL MEASURES ONLY. CONTRACTOR MAY MODIFY AND/OR CREATE HIS OWN SCHEDULE. IF THE CONSTRUCTION SCHEDULE IS MODIFIED, A REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED.

## TEMPORARY STOCKPILE

NOT TO SCALE

NOTES:

- TOPSOIL STOCKPILES TO BE PLACED AS DETERMINED IN THE FIELD.
- STOCKPILE TOP AND SIDES TO BE IMMEDIATELY STABILIZED WITH TEMPORARY VEGETATIVE COVER.

EXISTING GRADE (TYP.)

MAX. SLOPE

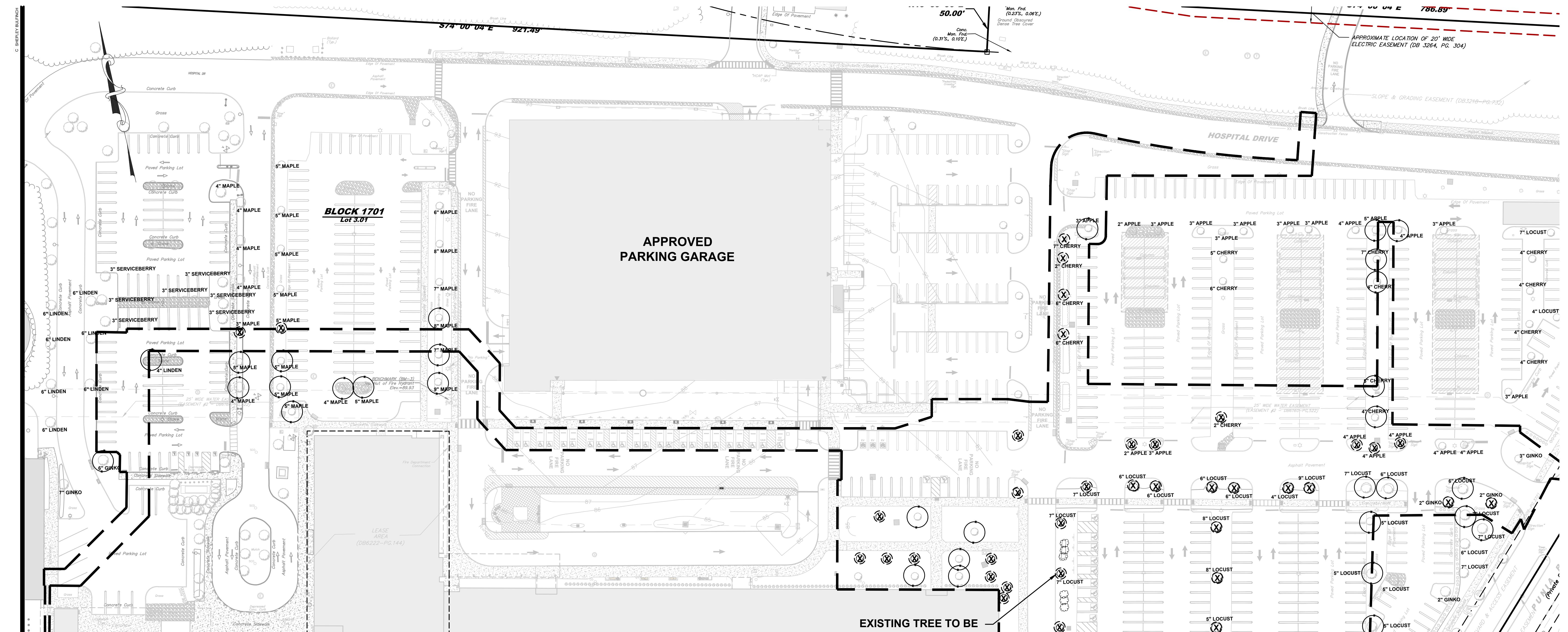
5° MIN.

10' MAX.

5° MAX.

10' MAX.

5° MIN.



WOODLANDS MANAGEMENT PLAN NOTES:

- A TOTAL OF 77 TREES SHALL BE REMOVED AS SHOWN ON THE WOODLANDS MANAGEMENT PLAN AS FOLLOWS:
  - TREES TO BE REMOVED:
    - 1 EVERGREEN TREE - 7' HEIGHT (3"DBH)
    - 76 DECIDUOUS SHADE TREES - ALL ARE NON-STREET TREES WITH DBH LESS THAN 12"
  - 77 TREES TOTAL TO BE REMOVED
- THE 77 TREES TO BE REMOVED SHALL BE REPLACED AT A 1:1 RATIO WITH NEW DECIDUOUS TREES INSTALLED AT 2.5" MINIMUM CALIPER OR EVERGREEN TREES WITH A MINIMUM INSTALLED HEIGHT OF 7 FEET AT SUGGESTED LOCATIONS AT THE DISCRETION OF THE OWNER AND TOWNSHIP.

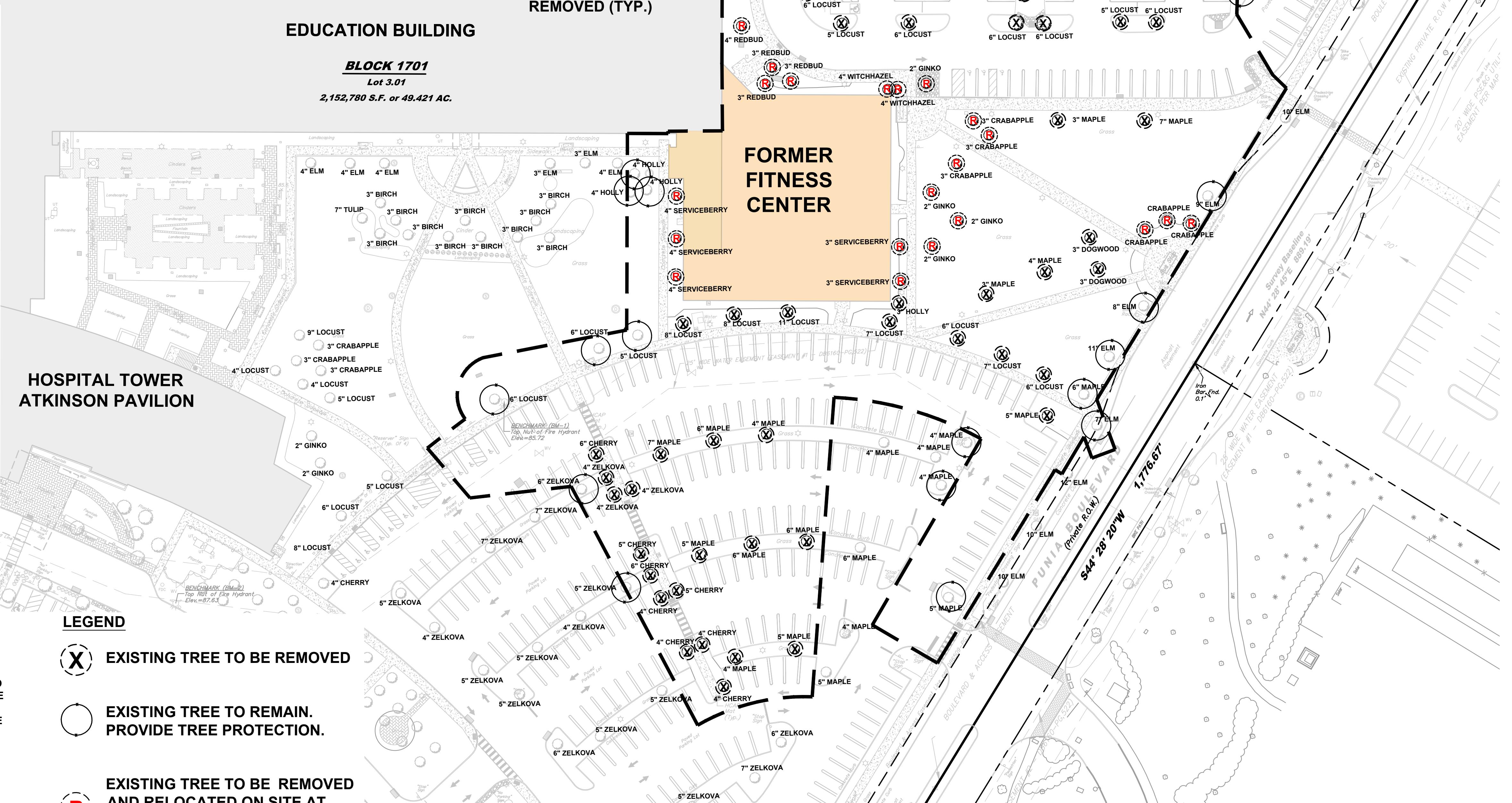
TREE RELOCATION NOTES:

- A TOTAL OF 21 TREES SHALL BE RELOCATED AT LOCATIONS AT THE DISCRETION OF THE OWNER AND TOWNSHIP.
- ANY RELOCATED TREES THAT DO NOT SURVIVE SHALL BE REPLANTED IN KIND BY A SIMILAR TREE MEASURING A MINIMUM OF 2.5 CALIPER INCHES AT THE TIME OF PLANTING.
  - TRANSPLANTING SHOULD BE EXECUTED BY A PROFESSIONAL TREE TRANSPLANTING SERVICE.
  - TRANSPLANTING SHALL BE DONE IN THE FALL OR EARLY SPRING OR DURING THE DORMANT SEASON PROVIDED THE GROUND IS NOT FROZEN.
  - ROOT PRUNE THE TREES AT LEAST SIX (6) MONTHS PRIOR TO THE TRANSPLANT.
  - THE DIAMETER OF THE CIRCULAR AREA TO BE DUG SHALL BE AT LEAST ONE FOOT ACROSS FOR EVERY INCH OF TREE TRUNK DIAMETER.
  - PERMANENT TREE PITS SHOULD BE THREE TIMES THE DIAMETER OF THE ROOT BALL. THE TOP OF THE ROOT BALL SHALL SIT AT OR SLIGHTLY ABOVE THE FINISHED GRADE. TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANTING NOTES AND DETAILS SHOWN FOR THIS PROJECT.

REPLACEMENT TREE PLANT SCHEDULE				
TREES				
QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
15	***LIRIODENDRON TULIPIFERA	TULIP TREE	2.5" CALIPER	B&B
15	***ACER RUBRUM	RED MAPLE	2.5" CALIPER	B&B
15	***TILIA AMERICANA	AMERICAN LINDEN	2.5" CALIPER	B&B
20	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7' HEIGHT	B&B
12	PINUS STROBOS	EASTERN WHITE PINE	7' HEIGHT	B&B

TOTAL = 77 TREES

\*\*\*FALL PLANTING HAZARD, SPRING INSTALLATION ONLY



1 Plainsboro Road  
Plainsboro, NJ 08536

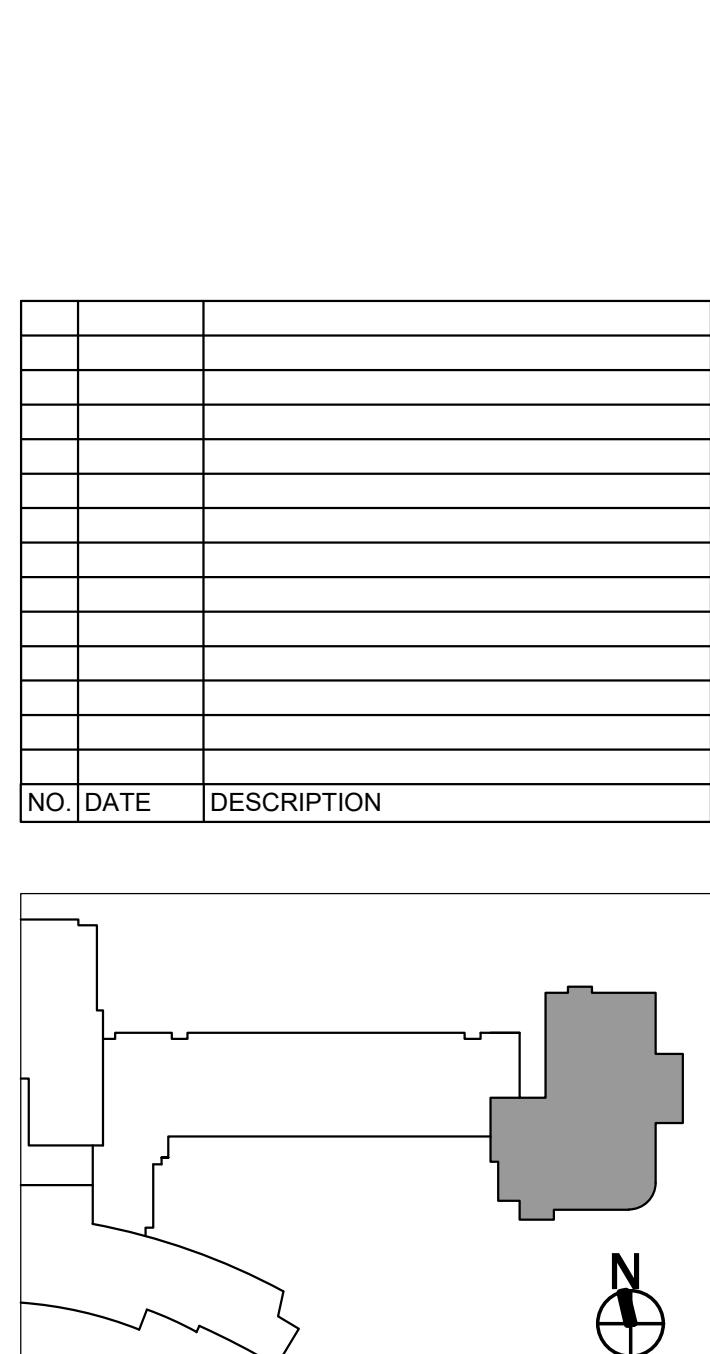


99 Chauncy Street 4th Floor  
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T: 617.423.1700 | F: 800.934.9691  
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Corporate Office:  
1800 Rte 34, Suite 101  
Wall, New Jersey 07719  
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FPAEngineers.com

ANDREW L. FRENCH, P.E.  
PROFESSIONAL ENGINEER, N.J. LIC. No. 42894

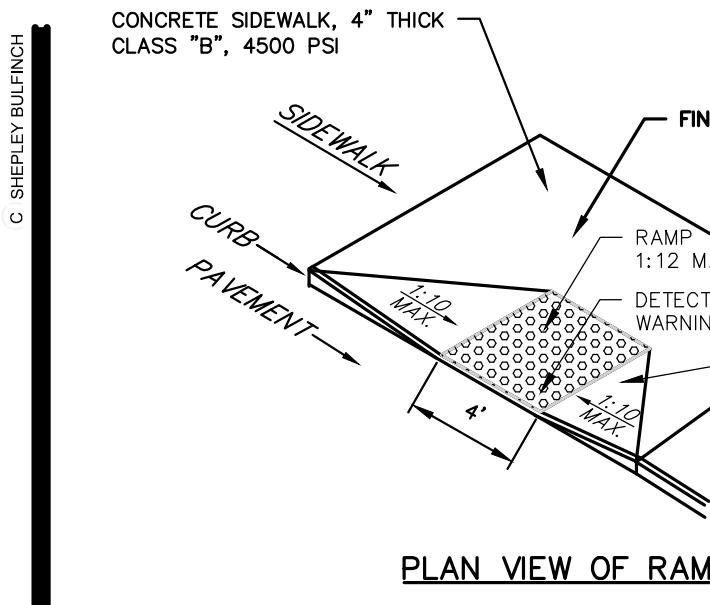


1 Plainsboro Road  
Plainsboro, NJ 08536  
Bldg 5200, Rm 100  
Bldg 7400, Rm 1-201  
Township of Plainsboro  
Middlesex County, New Jersey 08536

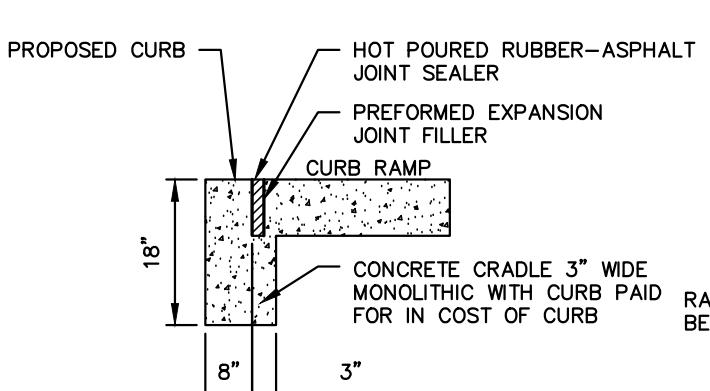


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PACKAGE 1



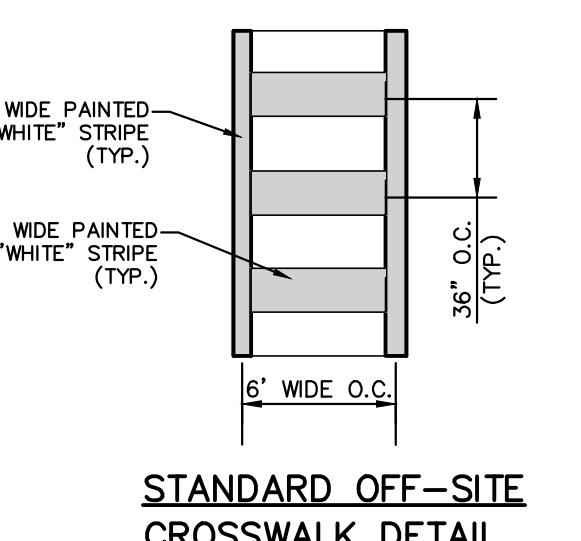
PLAN VIEW OF RAMP



DETAIL THROUGH CURB RAMP

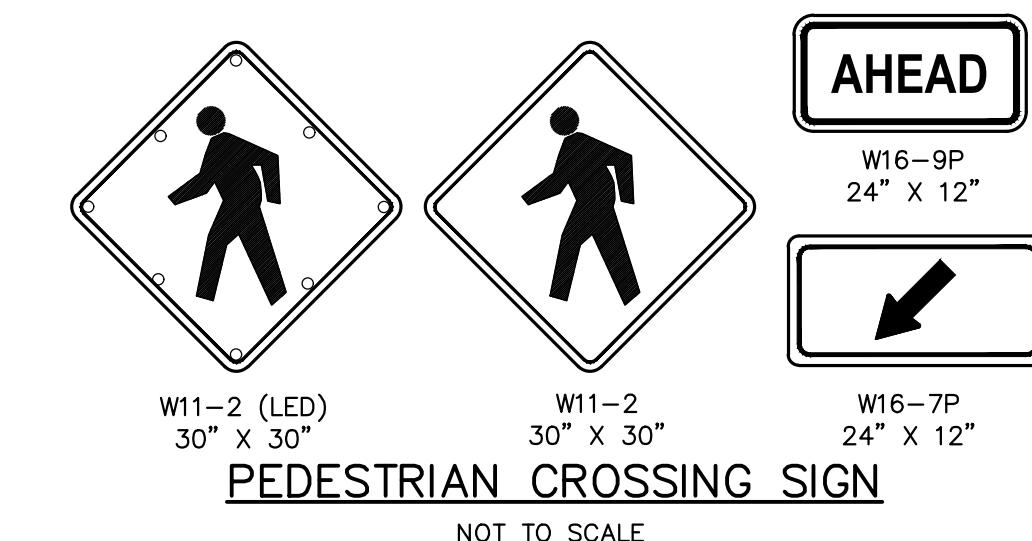
ADA COMPLIANT SIDEWALK RAMP DETAIL

NOT TO SCALE



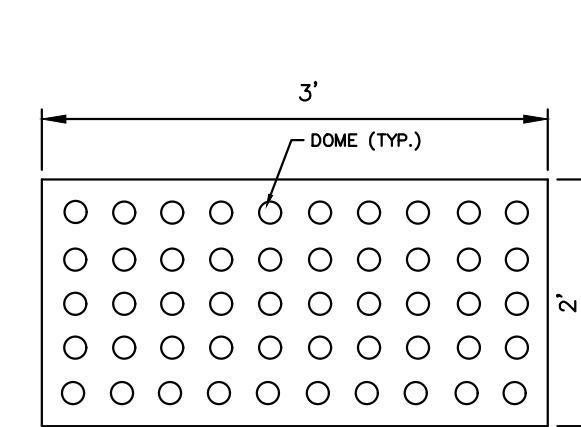
STANDARD OFF-SITE CROSSWALK DETAIL

NOT TO SCALE



PEDESTRIAN CROSSING SIGN

NOT TO SCALE



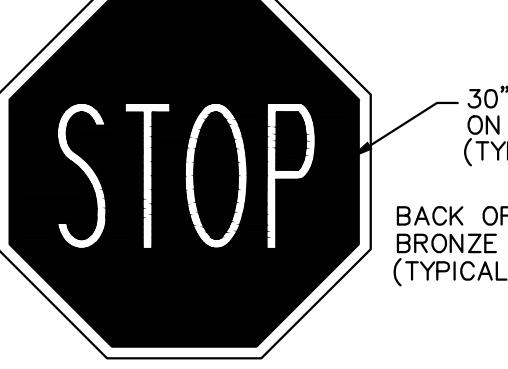
DETECTABLE WARNING PAD DETAIL

NOT TO SCALE

NOTE: 1. COLOR TO BE SAFETY RED

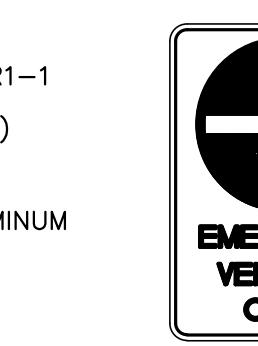
2. TO BE SET 4 FT FROM BEHIND CROSSWALK

3. COLOR TO BE SAFETY RED



STOP SIGN

NOT TO SCALE



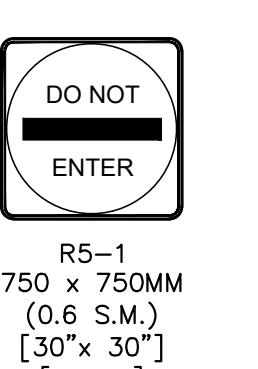
DO NOT ENTER EMERGENCY VEHICLES ONLY SIGN



FIRE LANE NO PARKING

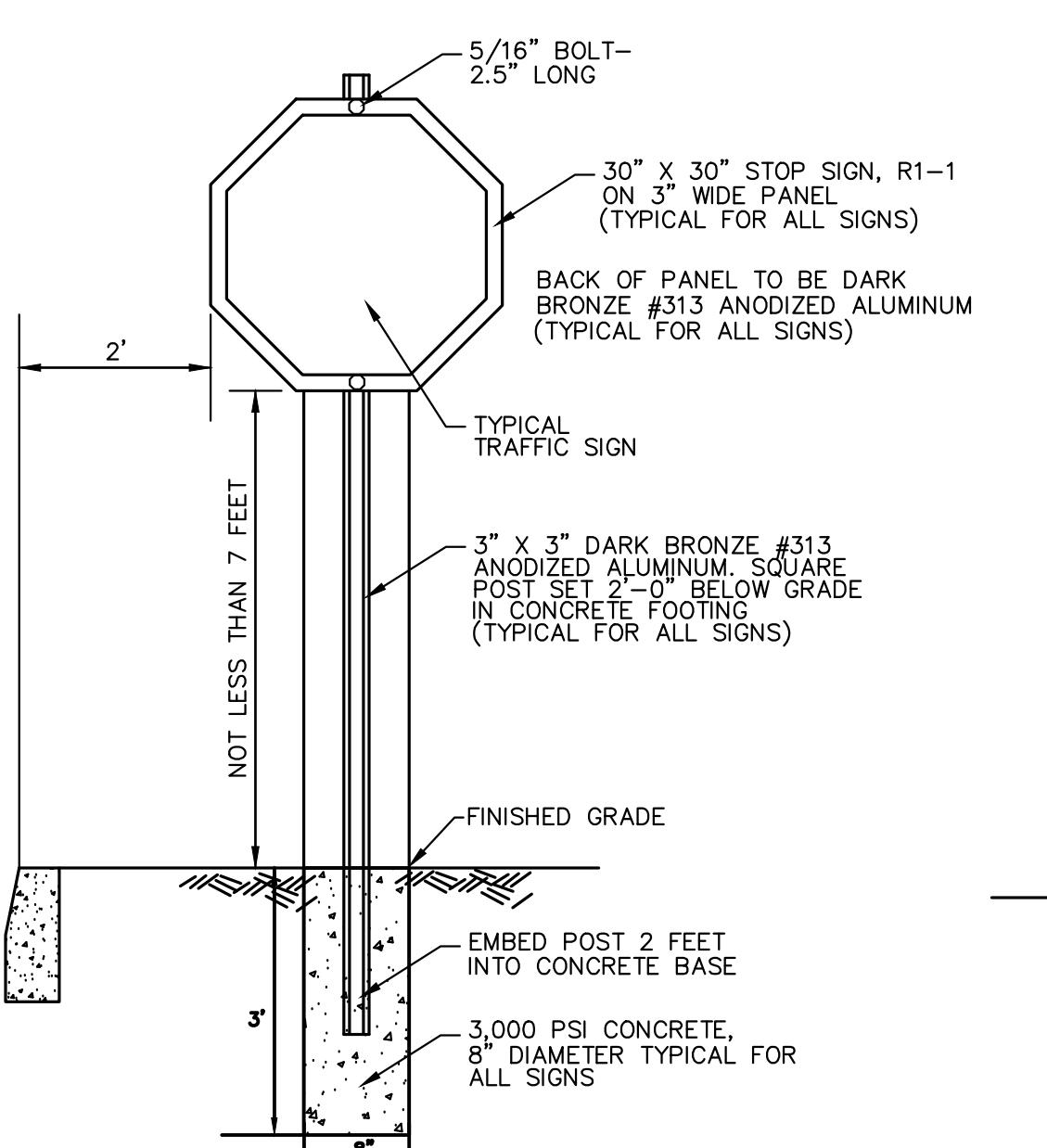


PT DROP-OFF SIGN



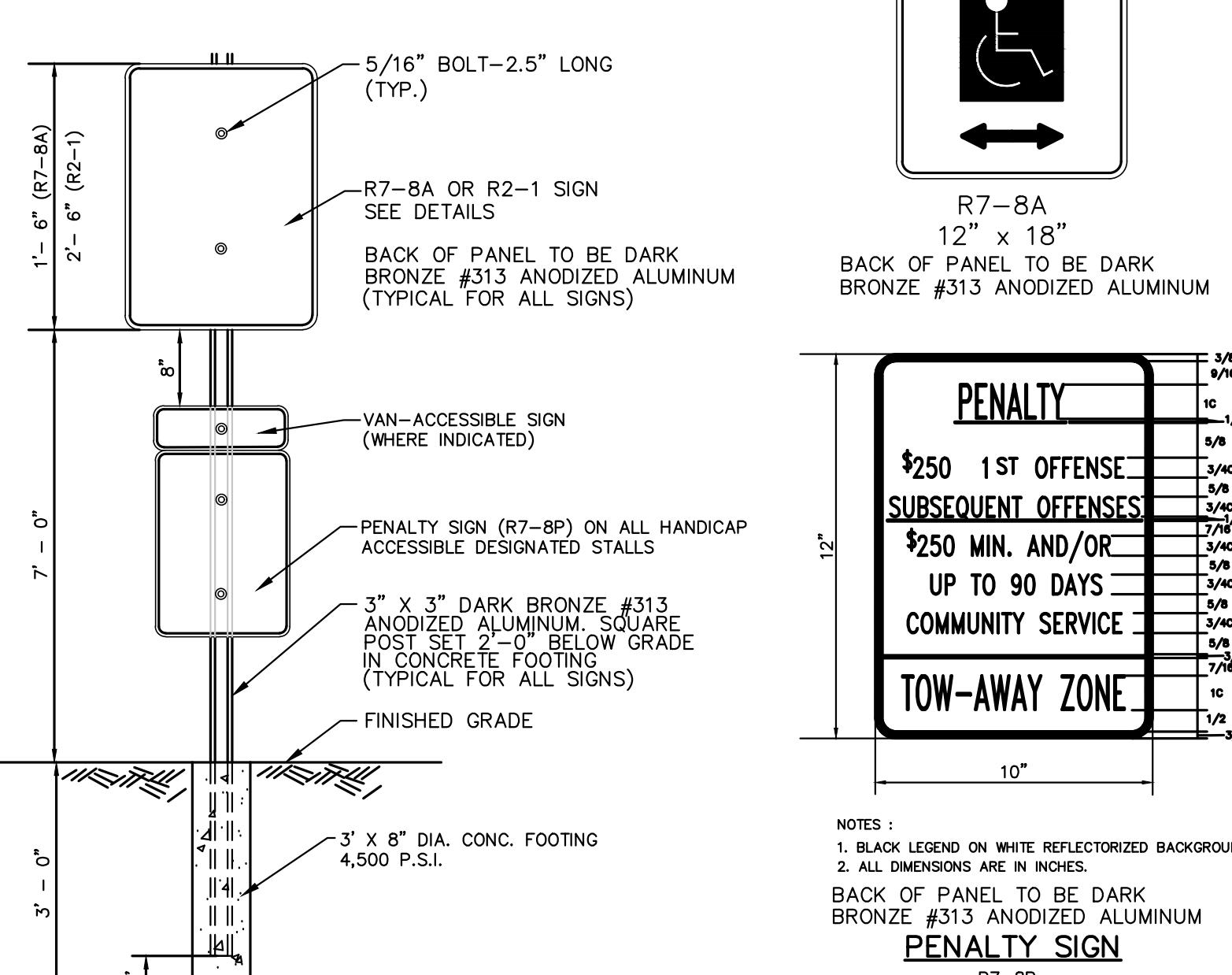
DO NOT ENTER

NOT TO SCALE



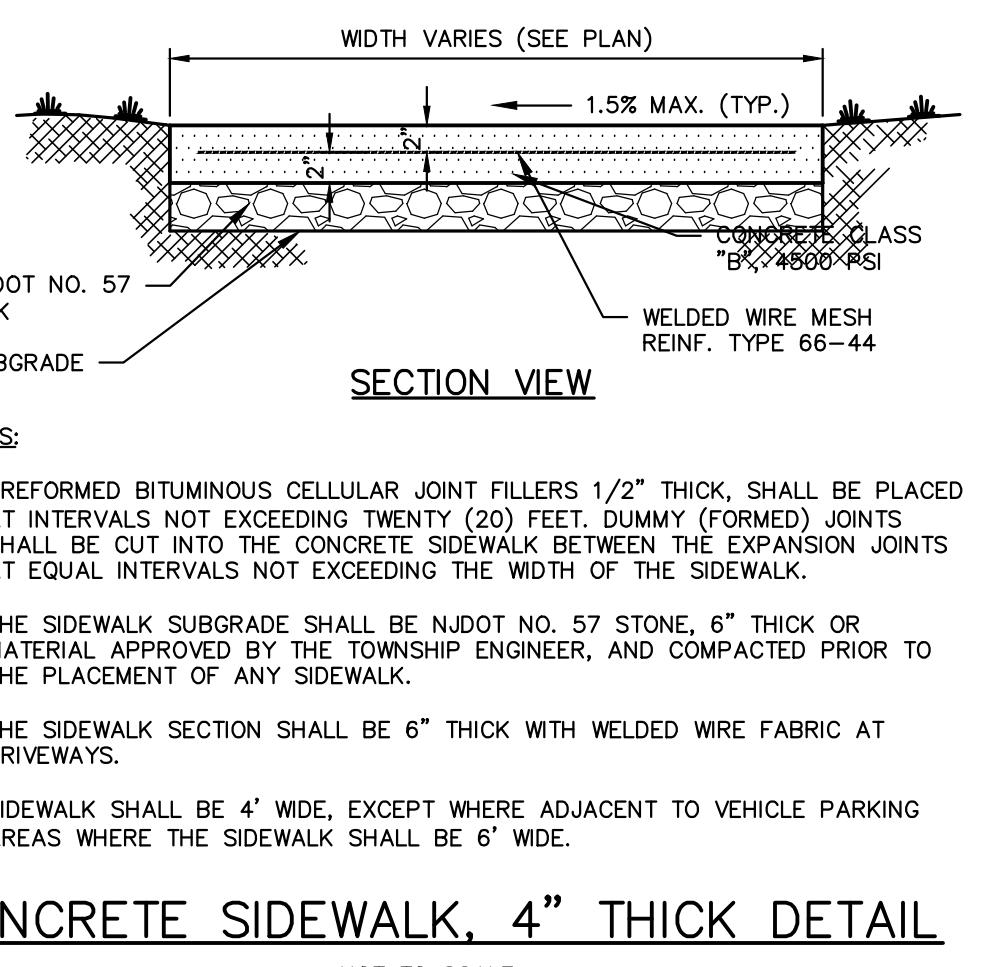
TYPICAL TYPE "A" SIGN POST DETAIL

NOT TO SCALE



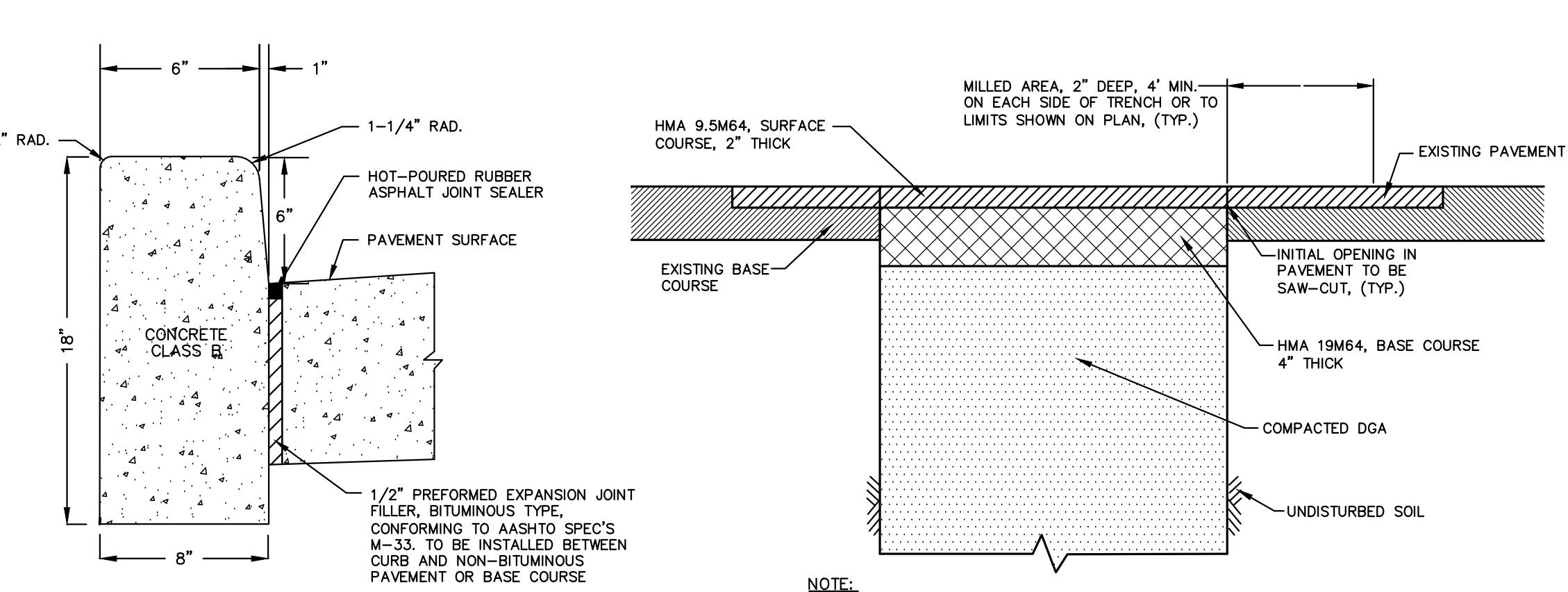
TYPICAL TYPE "B" SIGN POST DETAIL

NOT TO SCALE



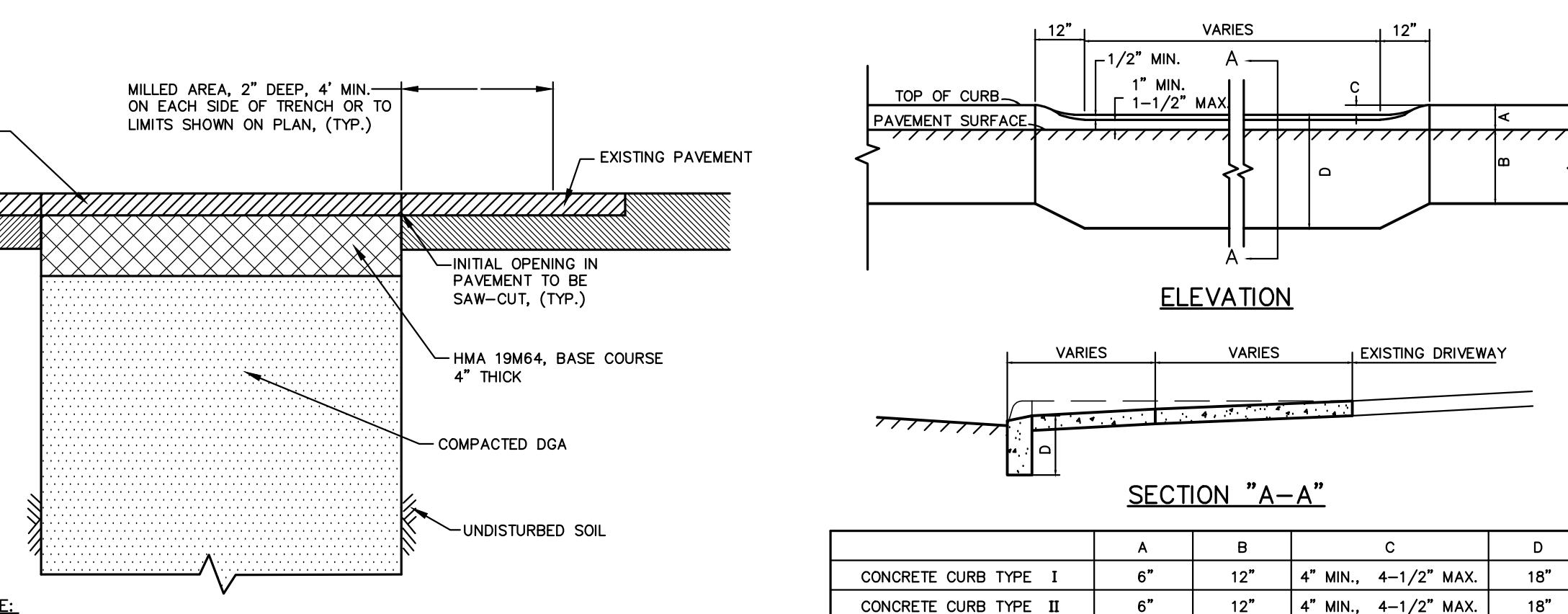
CONCRETE SIDEWALK, 4" THICK DETAIL

NOT TO SCALE



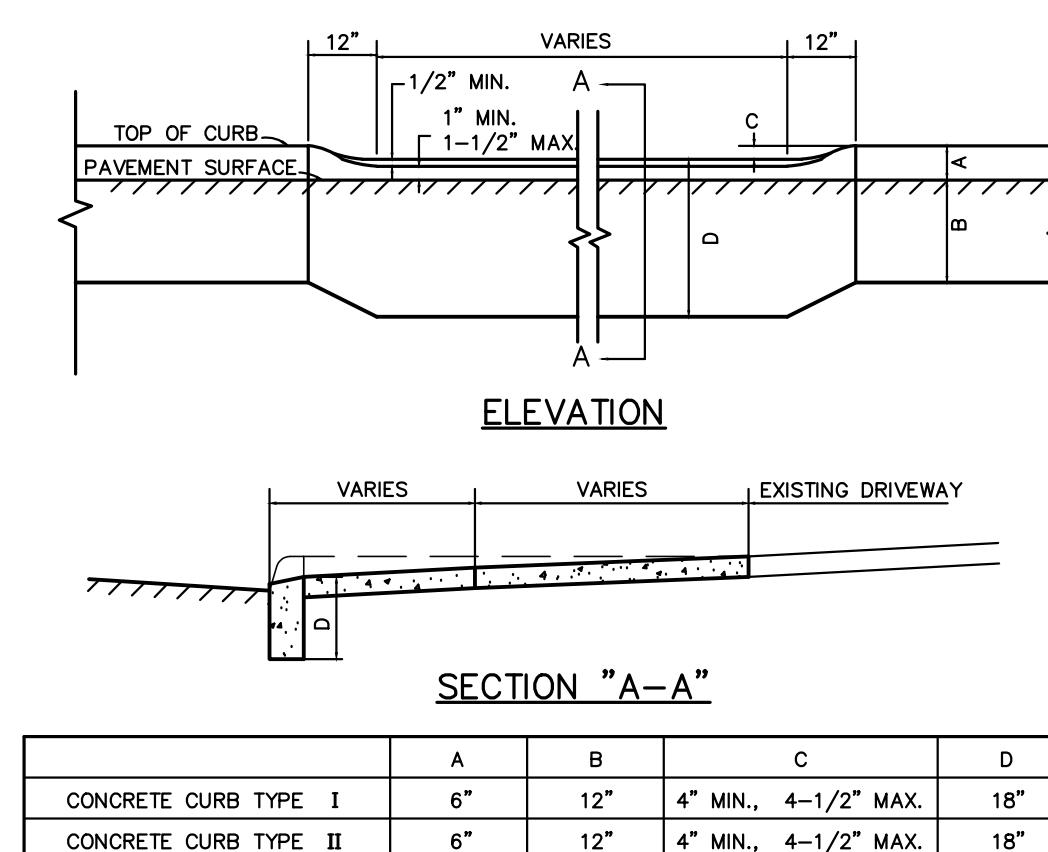
CONCRETE VERTICAL CURB DETAIL

NOT TO SCALE



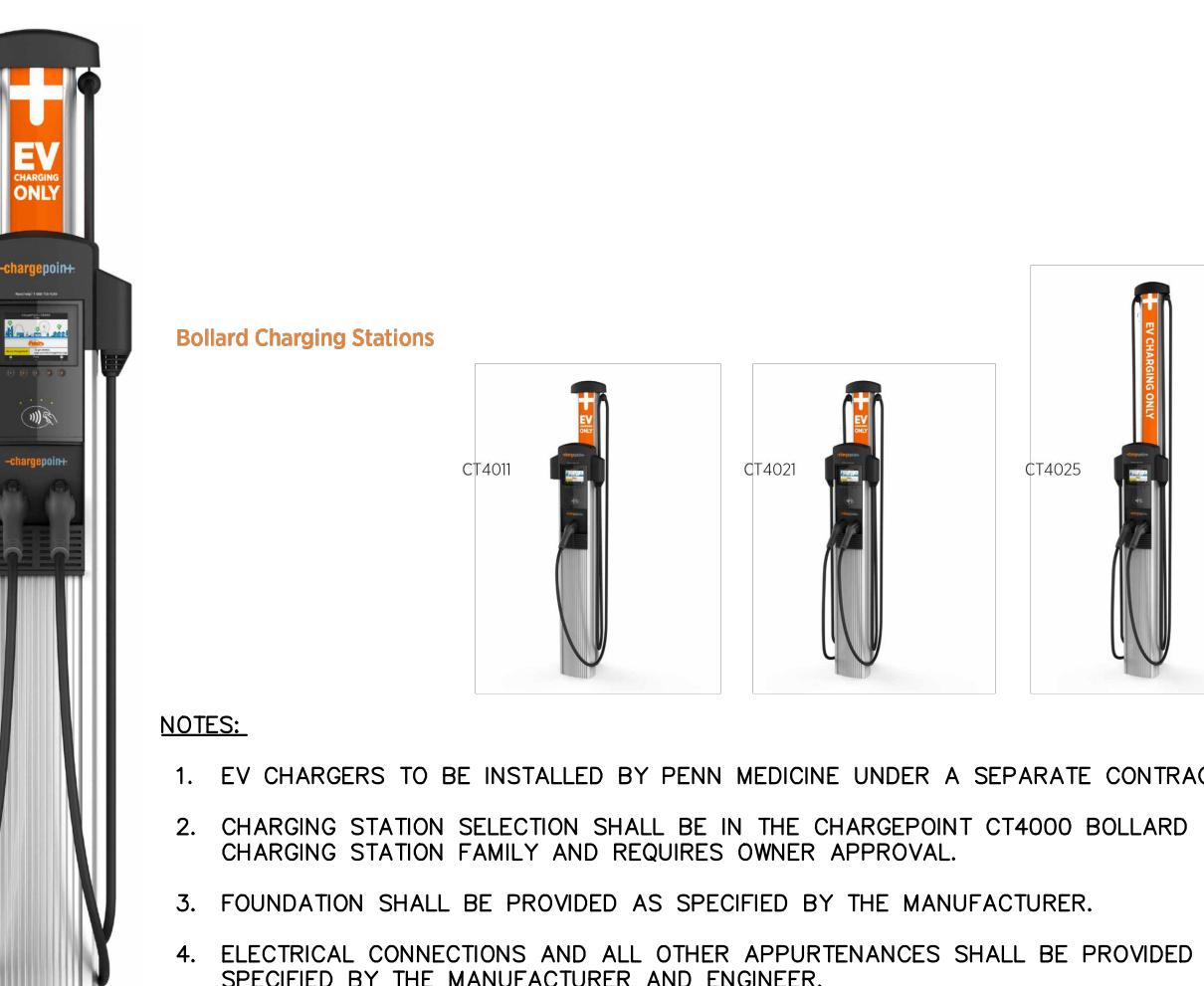
ROAD PAVEMENT REPAIR DETAIL

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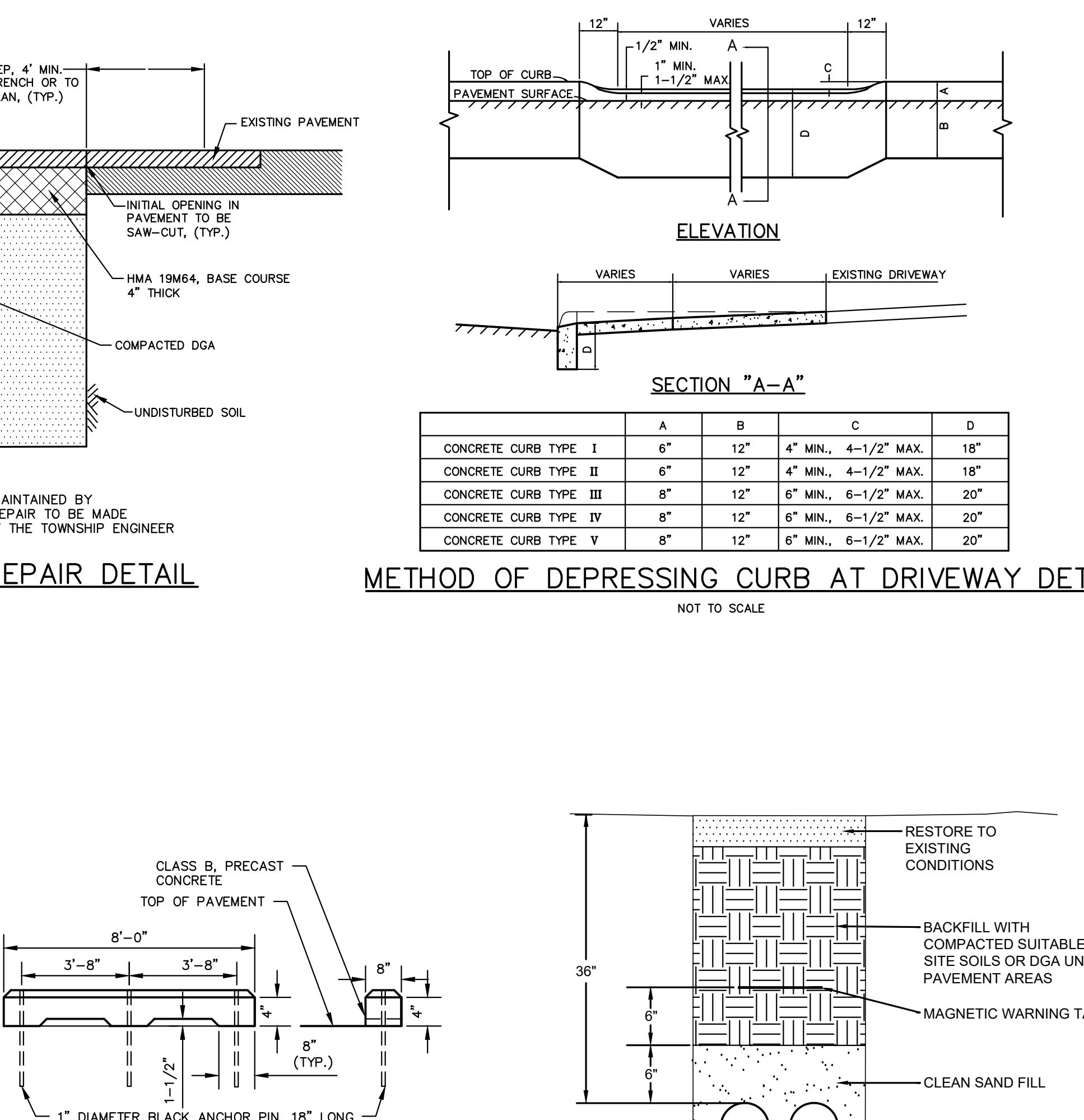
METHOD OF DEPRESSING CURB AT DRIVEWAY DETAIL

NOT TO SCALE



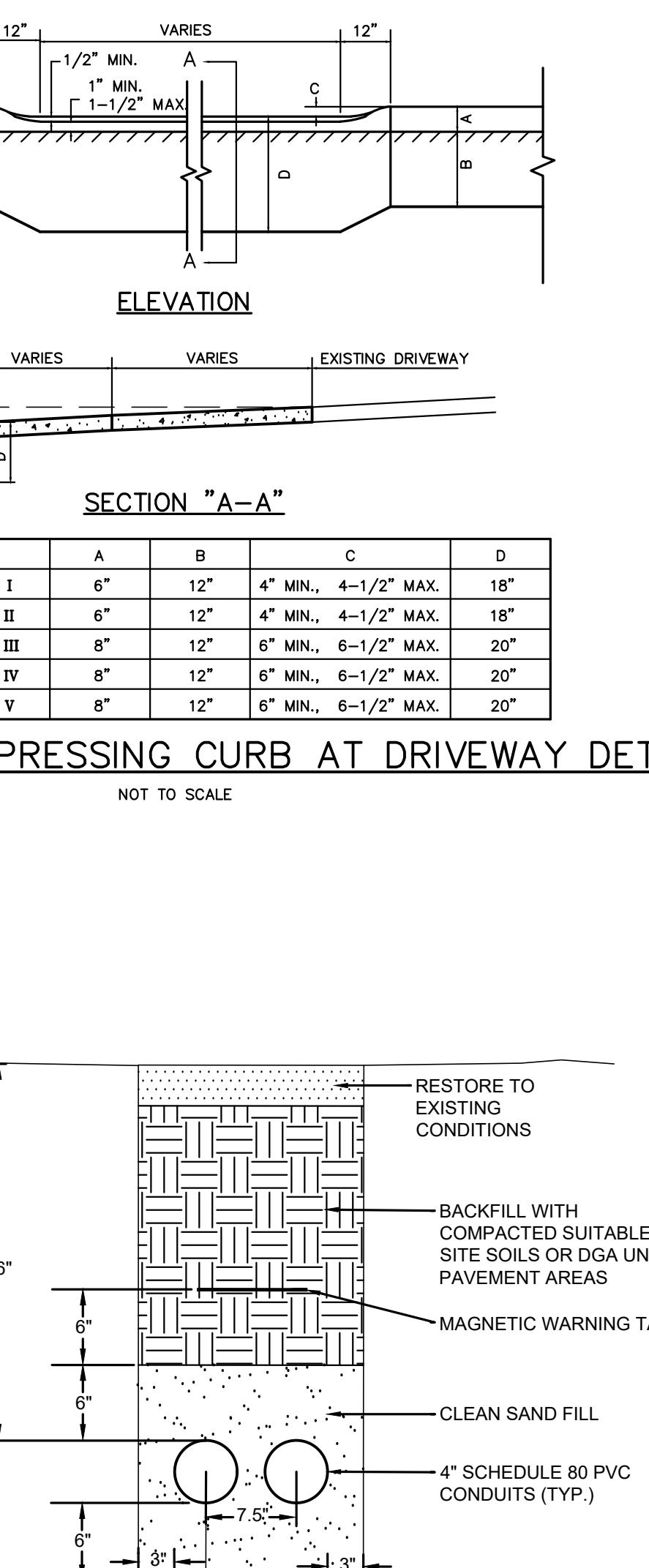
EV CHARGING STATION DETAIL

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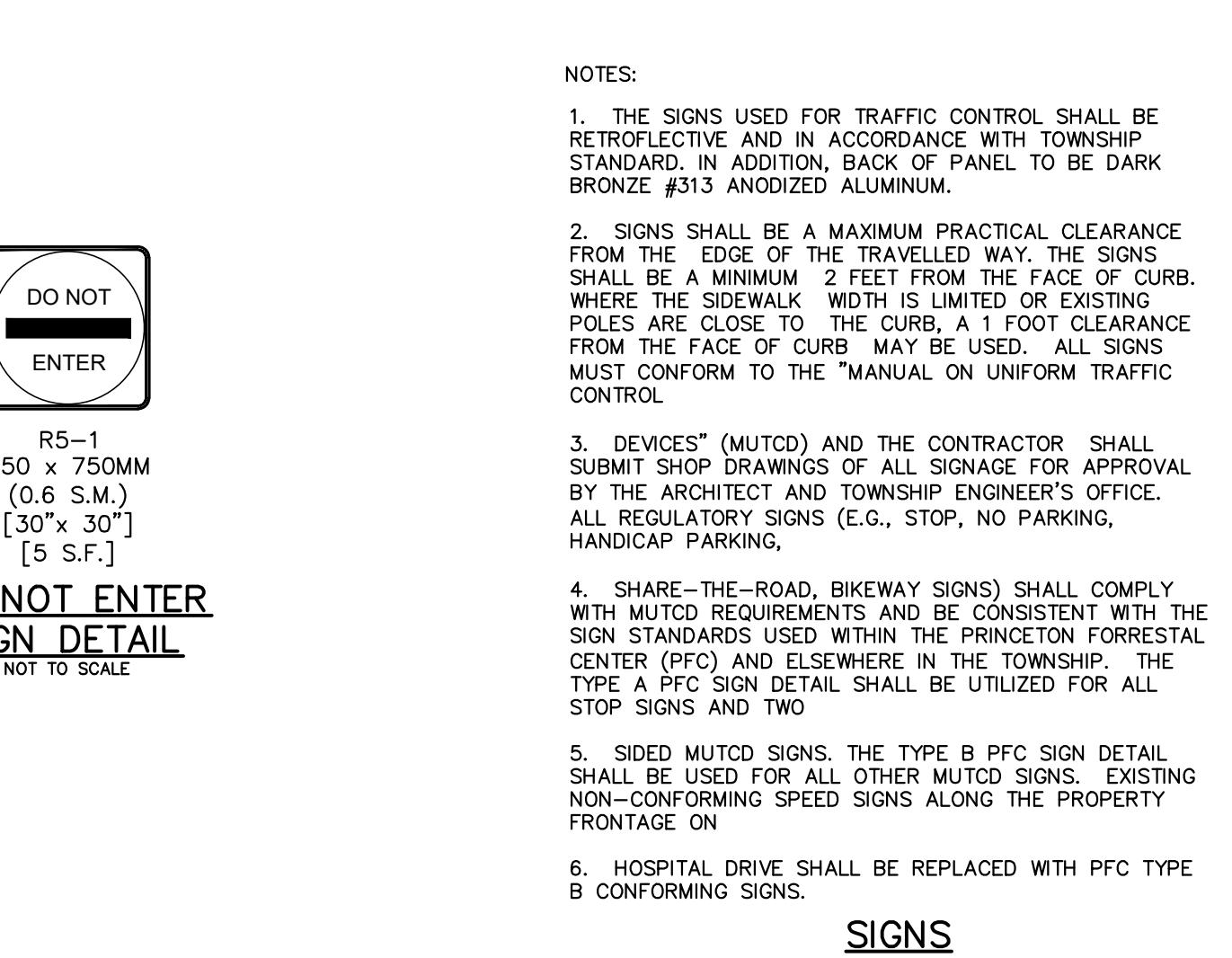
CONCRETE WHEEL STOP DETAIL

NOT TO SCALE



TYPICAL CONDUIT DUCTWORK FOR TELECOMMUNICATION SERVICE DETAIL

N.T.S.



NOTES

1. THE SIGNS USED FOR TRAFFIC CONTROL SHALL BE RETROREFLECTIVE AND IN ACCORDANCE WITH TOWNSHIP STANDARD, IN ADDITION, BACK OF PANEL TO BE DARK BRONZE #313 ANODIZED ALUMINUM.

2. SIGNS SHALL BE A MAXIMUM PRACTICAL CLEARANCE FROM THE CURB. WHERE THE SIDEWALK WIDTH IS LIMITED OR EXISTING PROPERTY RESTRICTIONS PREVENT THE MAXIMUM SIDEWALK CLEARANCE FROM THE FACE OF CURB, MAY BE USED. ALL SIGNS MUST CONFORM TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL".

3. DEVICES (MUTCD) AND THE CONTRACTOR SHALL SUBMIT DRAWINGS OF ALL SIGNS FOR APPROVAL BY THE ARCHITECT AND TOWNSHIP ENGINEER OFFICE. ALL REGULATORY SIGNS (E.G., STOP, NO PARKING, HANDICAP PARKING, ETC.)

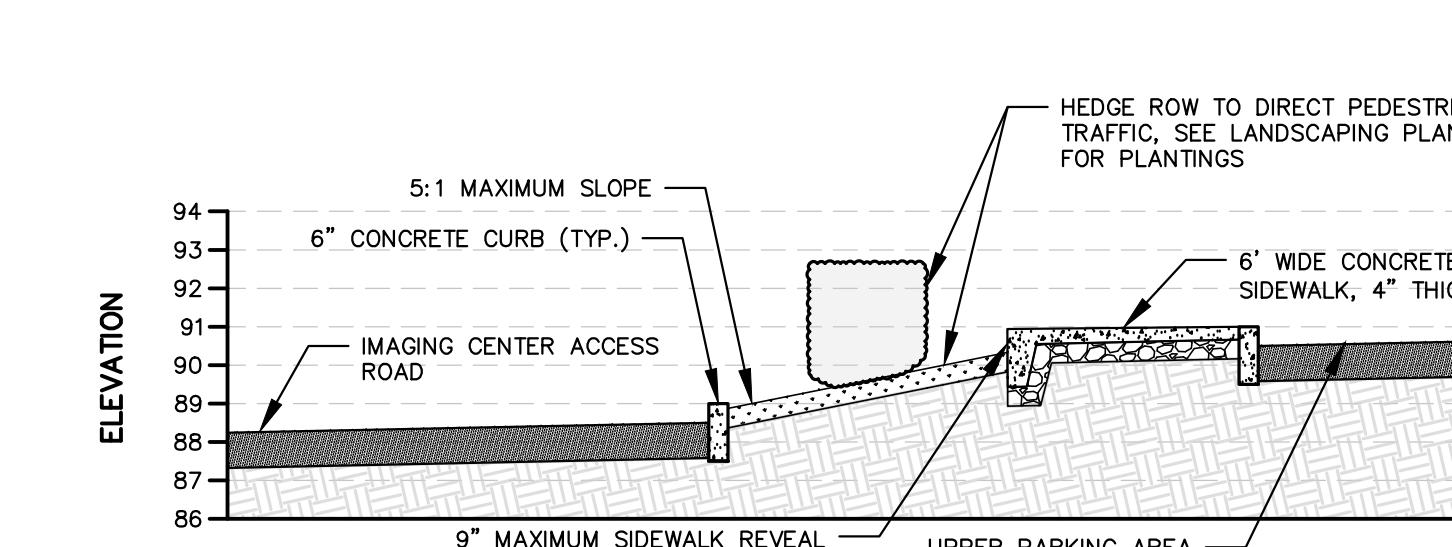
4. SHARE-THE-ROAD, BIKEWAY SIGNS SHALL COMPLY WITH MUTCD REQUIREMENTS AND BE CONSISTENT WITH THE SIGNAGE PLACEMENT FOR THE HOSPITAL DRIVE, THE TOWNSHIP CENTER (PFC) AND ELSEWHERE IN THE TOWNSHIP. THE TYPE A PFC SIGN DETAIL SHALL BE UTILIZED FOR ALL STOP SIGNS AND TWO

5. SIDE MUTCD SIGNS. THE TYPE B PFC SIGN DETAIL SHALL BE USED FOR ALL OTHER MUTCD SIGNS. EXISTING NON-COMFORMING SPEED SIGNS ALONG THE PROPERTY FRONTRAGE ON

6. HOSPITAL DRIVE SHALL BE REPLACED WITH PFC TYPE B CONFORMING SIGNS.

SIGNS

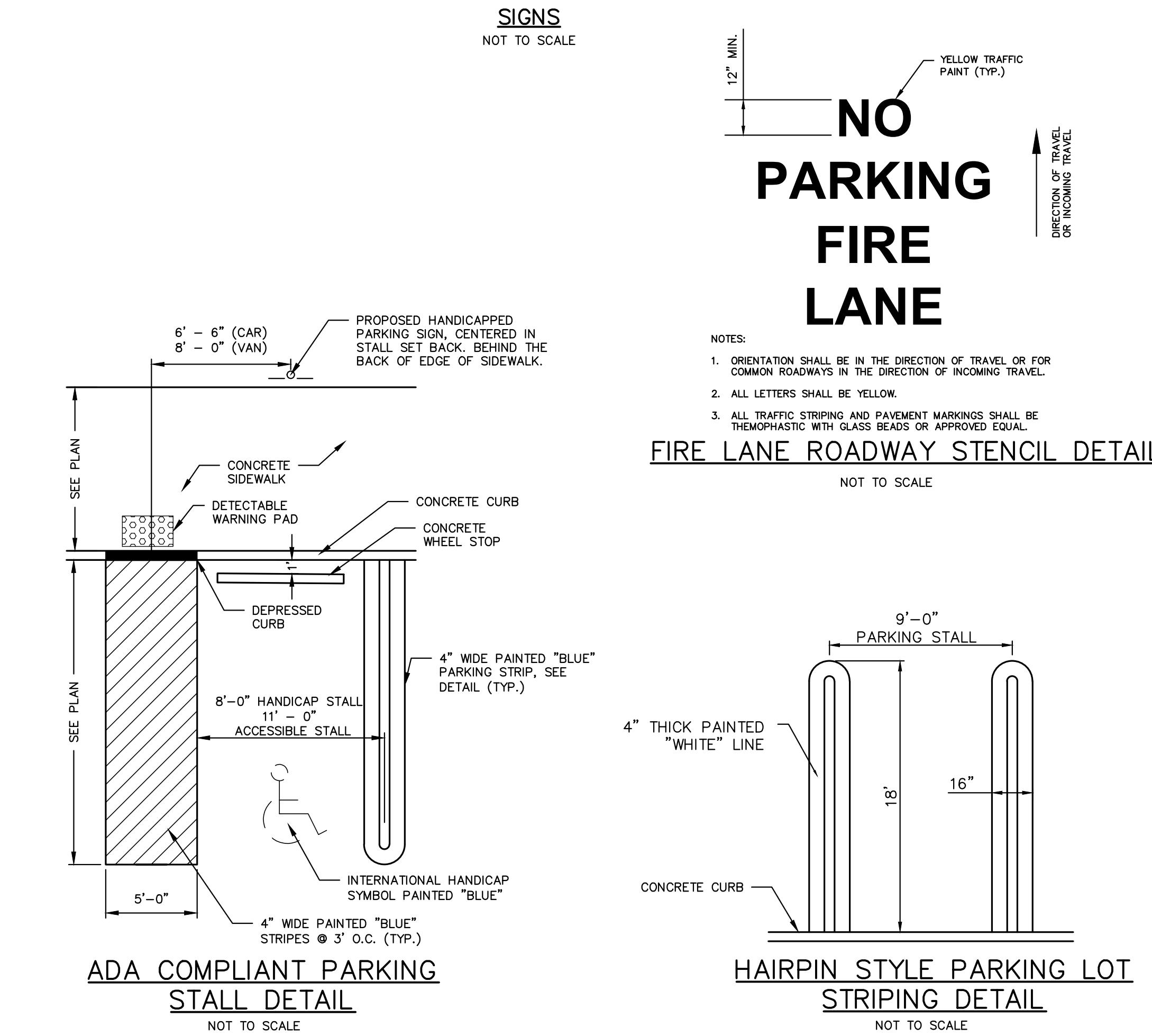
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GRADING PLAN - SIDEWALK CROSS SECTION A

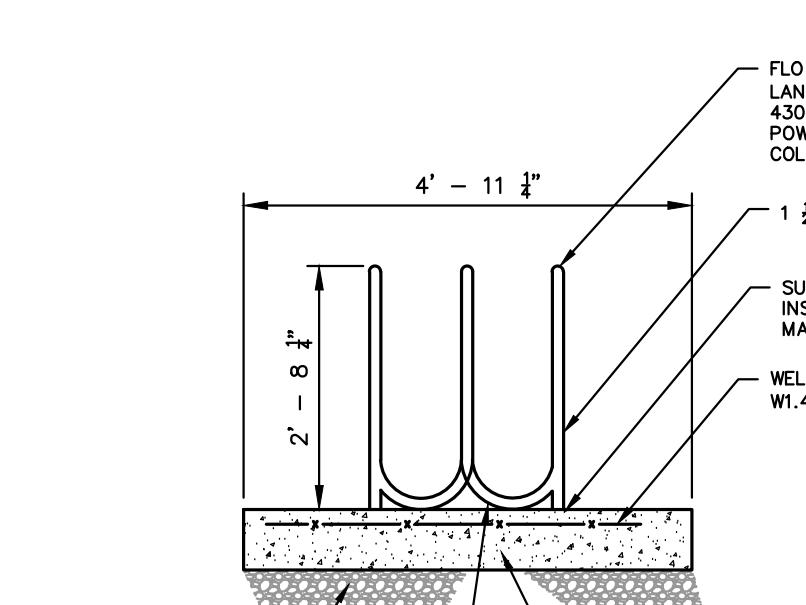
SCALE: 1" = 5'

NO VERTICAL EXAGGERATION



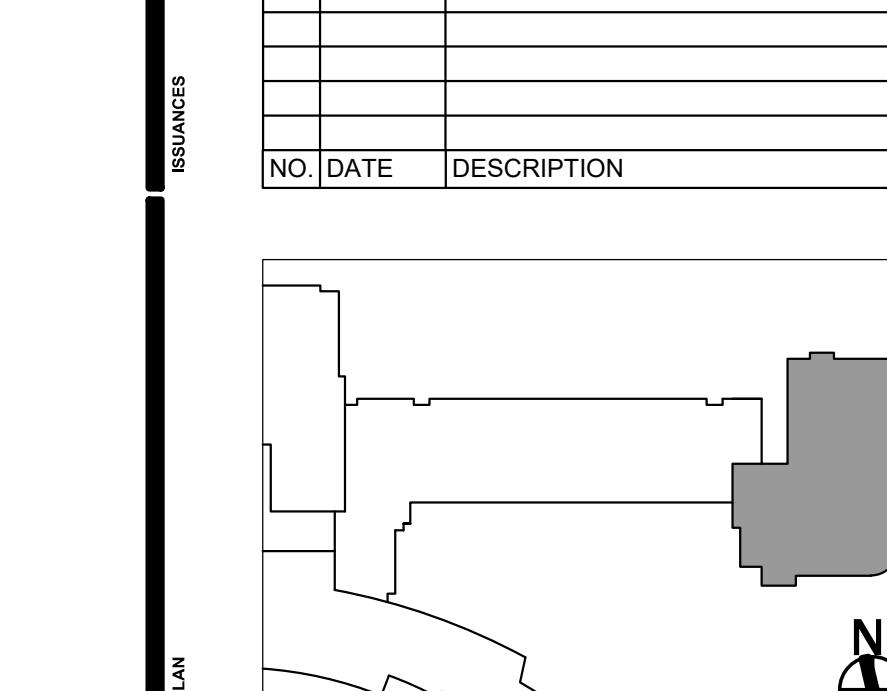
FIRE LANE ROADWAY STENCIL DETAIL

NOT TO SCALE



BIKE RACK DETAIL

NOT TO SCALE

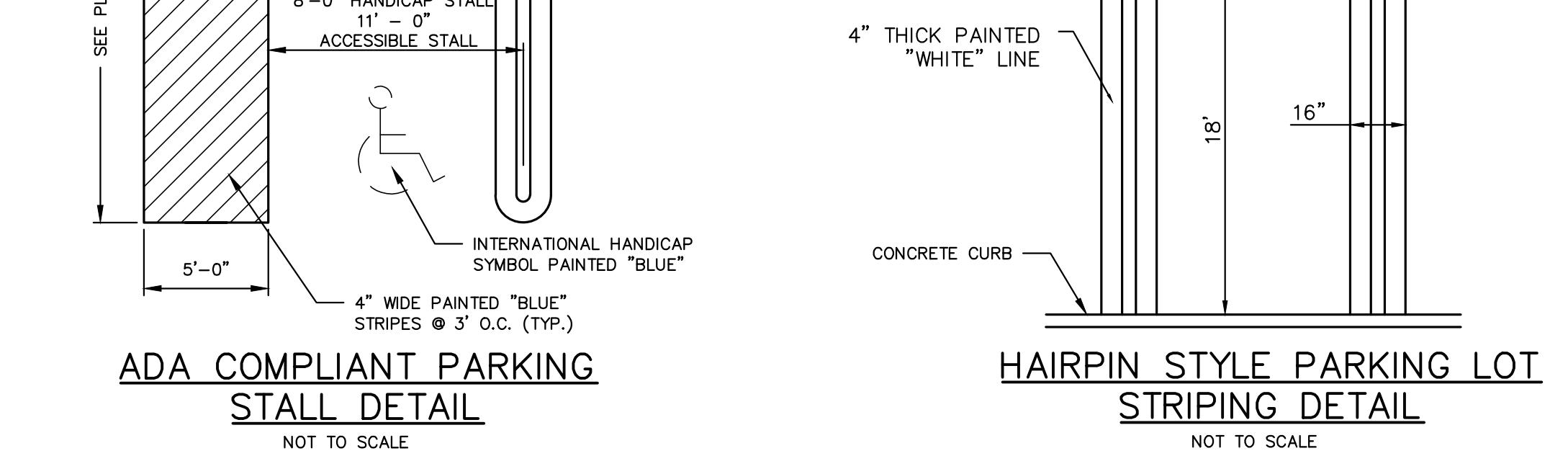


KEY PLAN

N

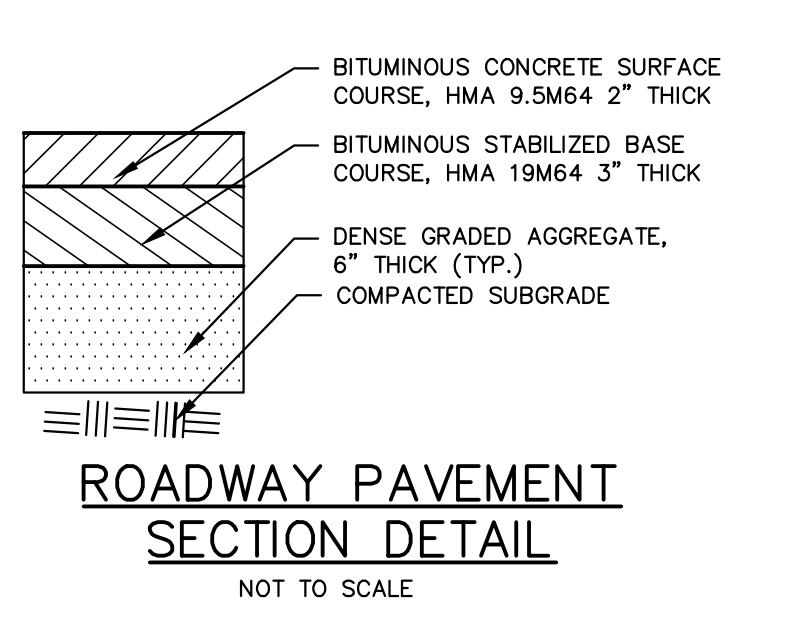
PROJECT INFORMATION

NO. DATE DESCRIPTION



ADA COMPLIANT PARKING STALL DETAIL

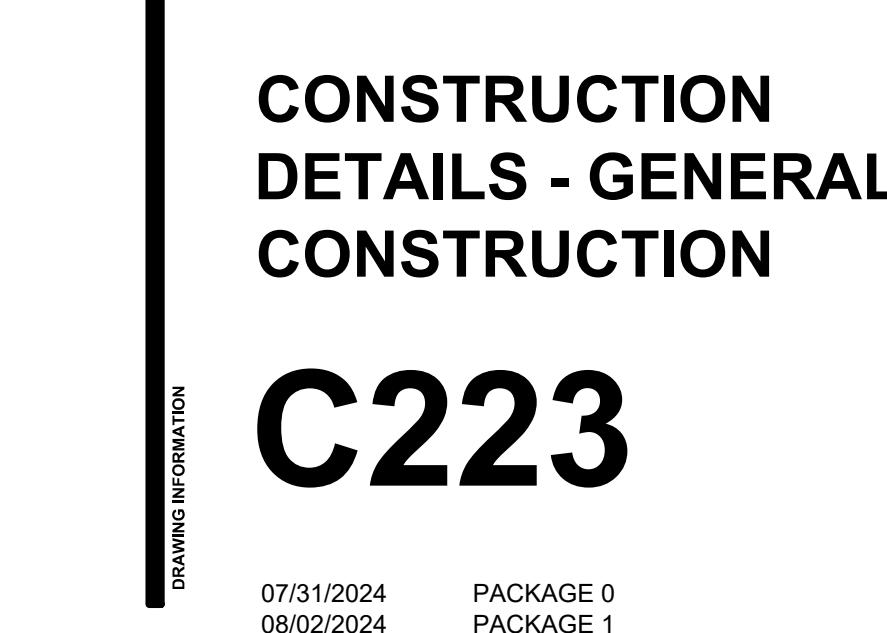
NOT TO SCALE



ROADWAY PAVEMENT

SECTION DETAIL

NOT TO SCALE



CONSTRUCTION DETAILS - GENERAL CONSTRUCTION

C223

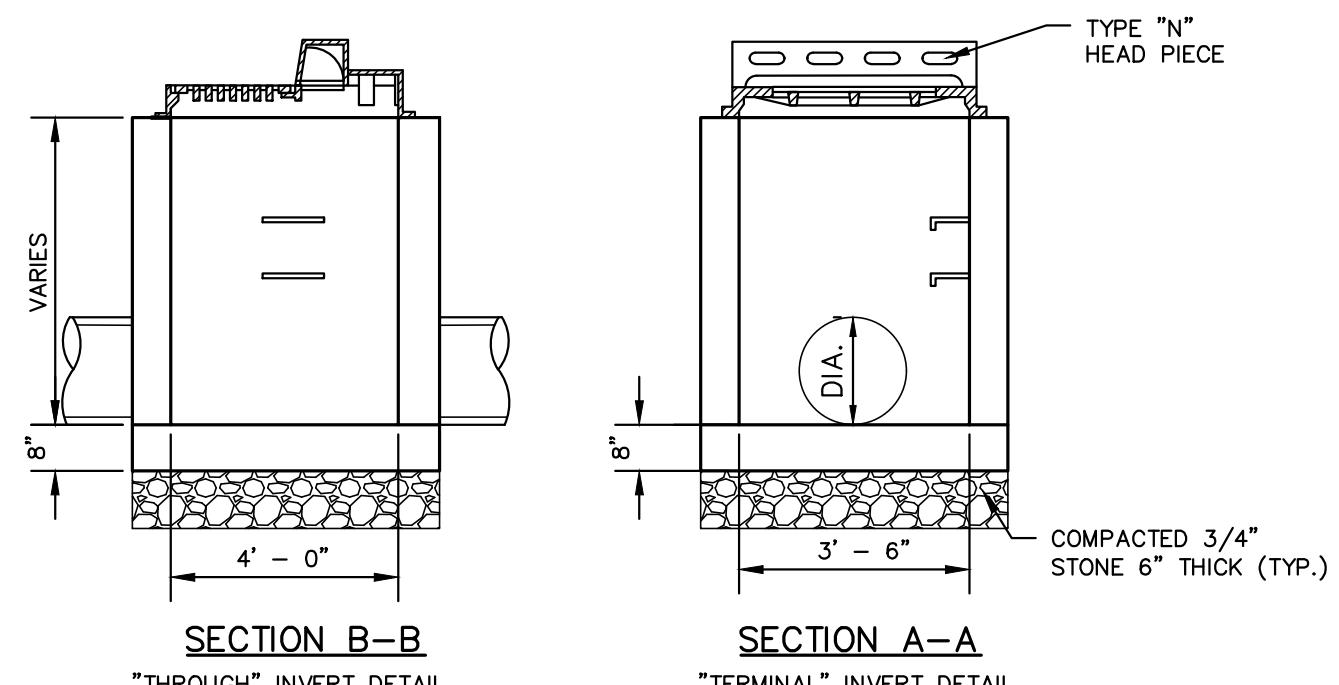
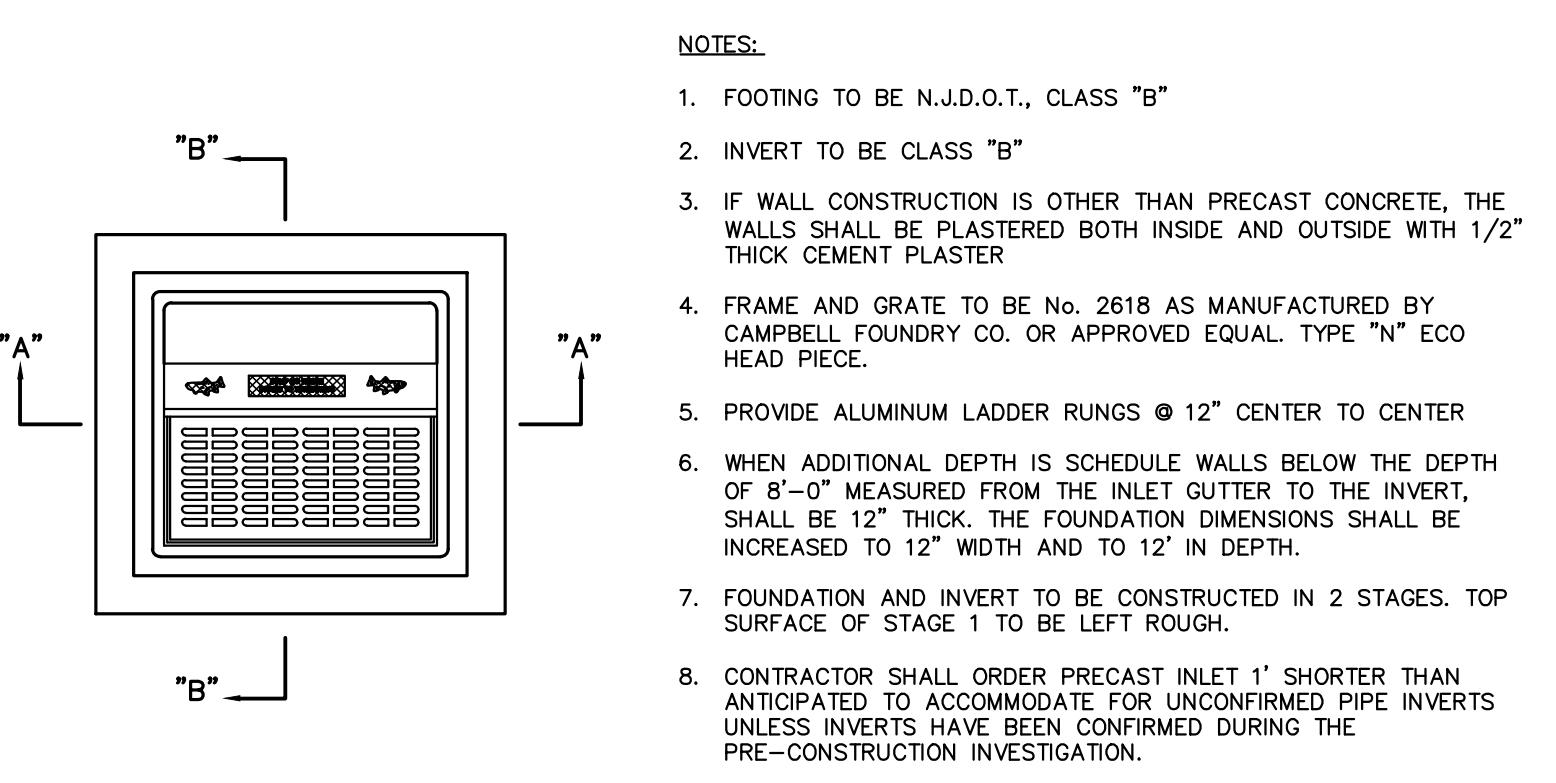
DRAWING INFORMATION

07/31/2024

08/02/2024

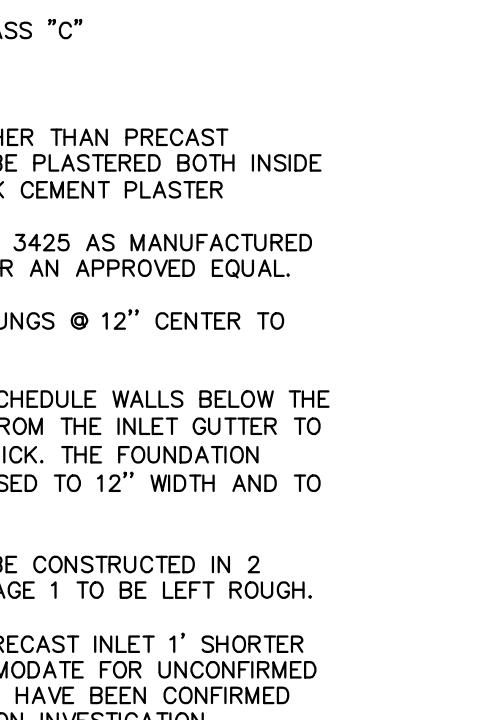
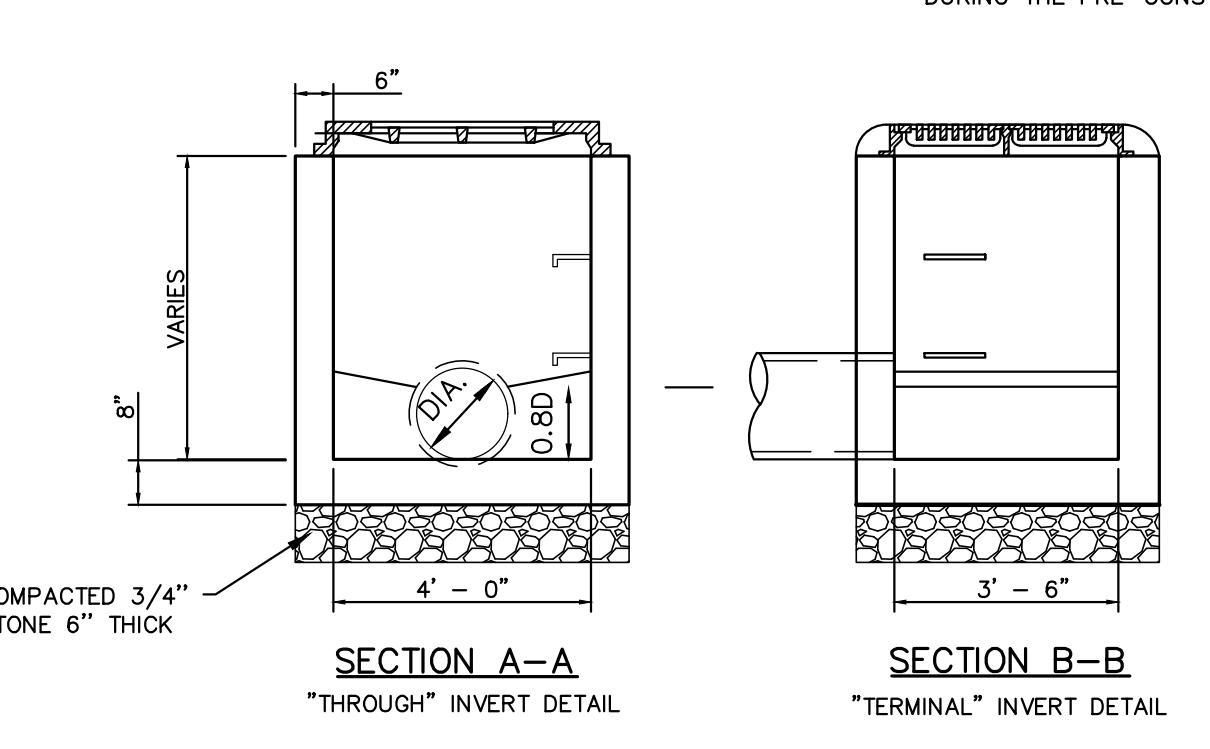
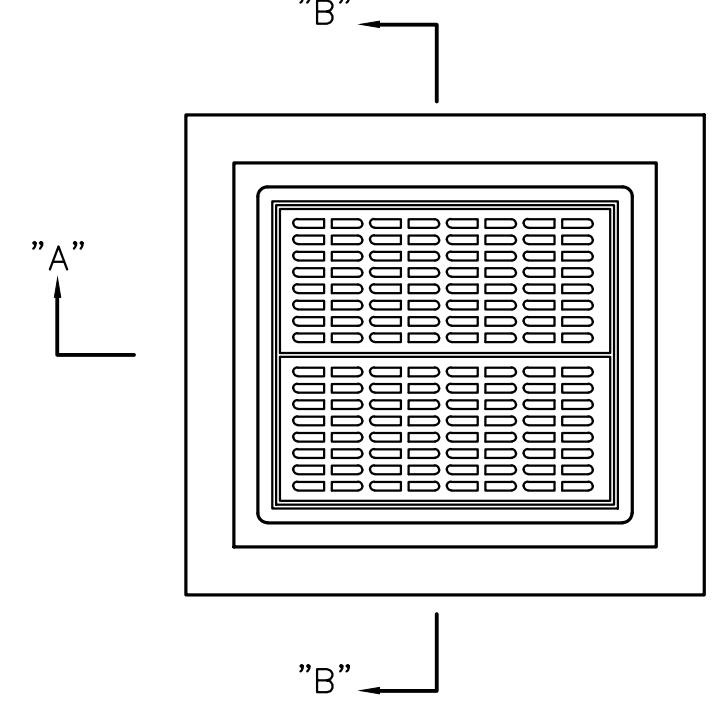
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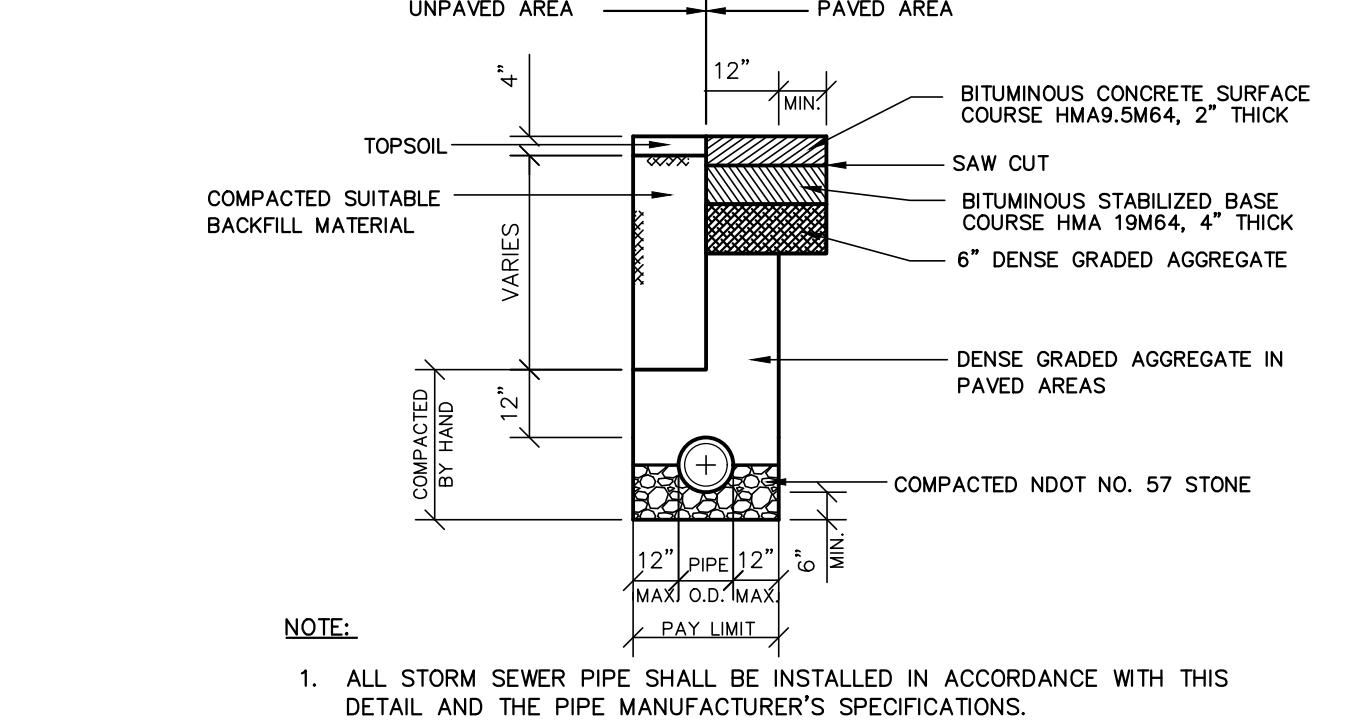


TYPE "B" INLET DETAIL

NOT TO SCALE

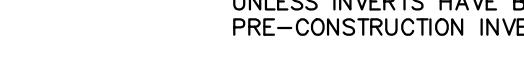
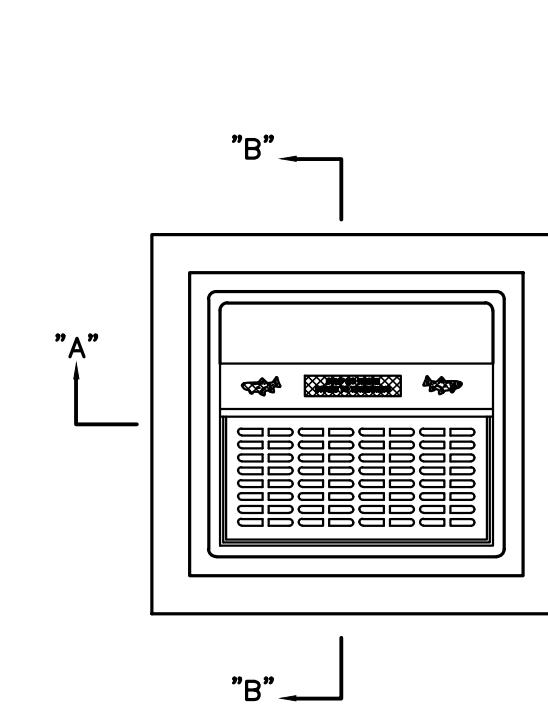


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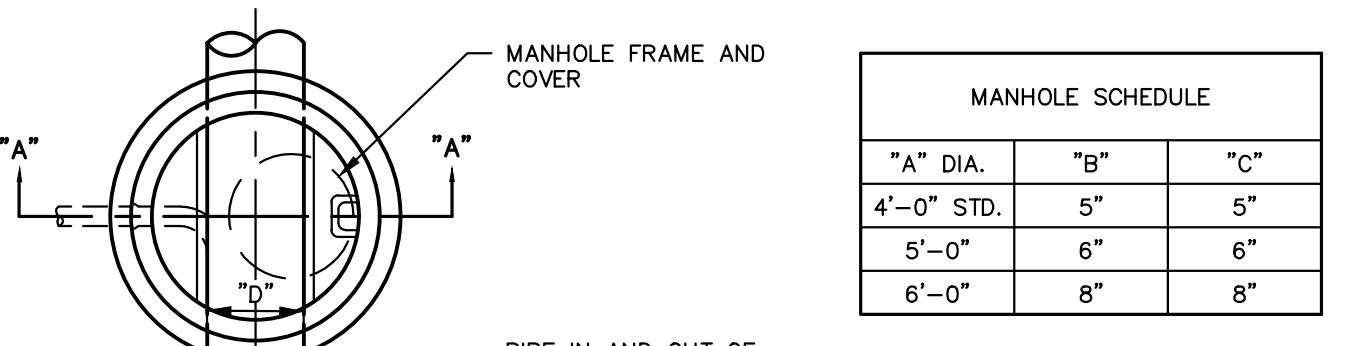
TYPICAL STORM PIPE TRENCH DETAIL

NOT TO SCALE



TYPE 'E' INLET DETAIL

NOT TO SCALE



NOTES:

1. PIPE IN AND OUT OF MANHOLE TO BE CRADLED IN 1500 LB. CONCRETE BEDDED IN STONE AS ORDERED BY ENGINEER.

2. MANHOLE FRAME AND COVER NO. 12029 OR APPROVED EQUAL.

3. CONCRETE AND ROUND RUBBER GASKET JOINTS IN ACCORDANCE WITH ASTM DESIGNATION C-361

4. PRECAST MANHOLE SECTIONS TO BE IN ACCORDANCE WITH ASTM DESIGNATION C-478

5. MINIMUM COMPRESSIVE STRENGTH IS 4,000 PSI

6. CONCRETE FILL

7. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

8. COMPACTED NUDOT NO. 57

9. STONE BASE, 6" THICK

10. "C" (5" MIN.)

11. CONCRETE FILL

12. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

13. COMPACTED NUDOT NO. 57

14. STONE BASE, 6" THICK

15. "C" (5" MIN.)

16. CONCRETE FILL

17. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

18. COMPACTED NUDOT NO. 57

19. STONE BASE, 6" THICK

20. "C" (5" MIN.)

21. CONCRETE FILL

22. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

23. COMPACTED NUDOT NO. 57

24. STONE BASE, 6" THICK

25. "C" (5" MIN.)

26. CONCRETE FILL

27. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

28. COMPACTED NUDOT NO. 57

29. STONE BASE, 6" THICK

30. "C" (5" MIN.)

31. CONCRETE FILL

32. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

33. COMPACTED NUDOT NO. 57

34. STONE BASE, 6" THICK

35. "C" (5" MIN.)

36. CONCRETE FILL

37. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

38. COMPACTED NUDOT NO. 57

39. STONE BASE, 6" THICK

40. "C" (5" MIN.)

41. CONCRETE FILL

42. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

43. COMPACTED NUDOT NO. 57

44. STONE BASE, 6" THICK

45. "C" (5" MIN.)

46. CONCRETE FILL

47. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

48. COMPACTED NUDOT NO. 57

49. STONE BASE, 6" THICK

50. "C" (5" MIN.)

51. CONCRETE FILL

52. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

53. COMPACTED NUDOT NO. 57

54. STONE BASE, 6" THICK

55. "C" (5" MIN.)

56. CONCRETE FILL

57. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

58. COMPACTED NUDOT NO. 57

59. STONE BASE, 6" THICK

60. "C" (5" MIN.)

61. CONCRETE FILL

62. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

63. COMPACTED NUDOT NO. 57

64. STONE BASE, 6" THICK

65. "C" (5" MIN.)

66. CONCRETE FILL

67. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

68. COMPACTED NUDOT NO. 57

69. STONE BASE, 6" THICK

70. "C" (5" MIN.)

71. CONCRETE FILL

72. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

73. COMPACTED NUDOT NO. 57

74. STONE BASE, 6" THICK

75. "C" (5" MIN.)

76. CONCRETE FILL

77. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

78. COMPACTED NUDOT NO. 57

79. STONE BASE, 6" THICK

80. "C" (5" MIN.)

81. CONCRETE FILL

82. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

83. COMPACTED NUDOT NO. 57

84. STONE BASE, 6" THICK

85. "C" (5" MIN.)

86. CONCRETE FILL

87. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

88. COMPACTED NUDOT NO. 57

89. STONE BASE, 6" THICK

90. "C" (5" MIN.)

91. CONCRETE FILL

92. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

93. COMPACTED NUDOT NO. 57

94. STONE BASE, 6" THICK

95. "C" (5" MIN.)

96. CONCRETE FILL

97. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

98. COMPACTED NUDOT NO. 57

99. STONE BASE, 6" THICK

100. "C" (5" MIN.)

101. CONCRETE FILL

102. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

103. COMPACTED NUDOT NO. 57

104. STONE BASE, 6" THICK

105. "C" (5" MIN.)

106. CONCRETE FILL

107. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

108. COMPACTED NUDOT NO. 57

109. STONE BASE, 6" THICK

110. "C" (5" MIN.)

111. CONCRETE FILL

112. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

113. COMPACTED NUDOT NO. 57

114. STONE BASE, 6" THICK

115. "C" (5" MIN.)

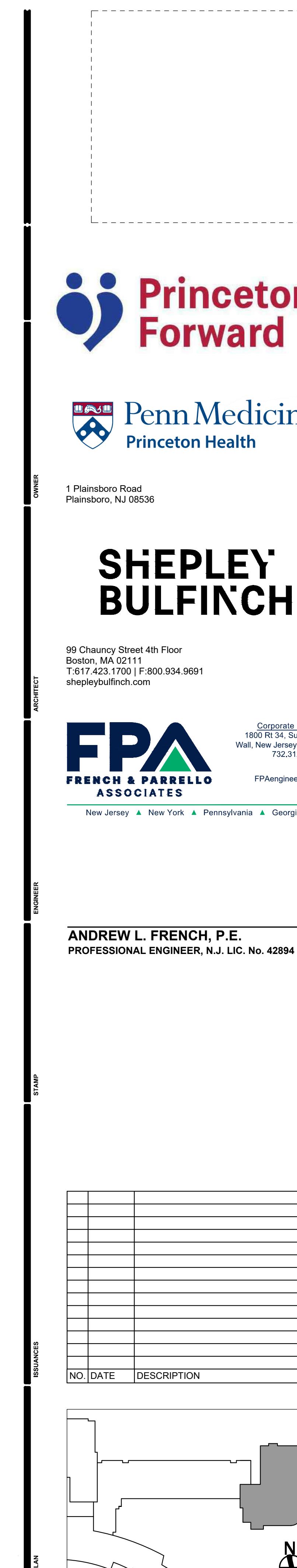
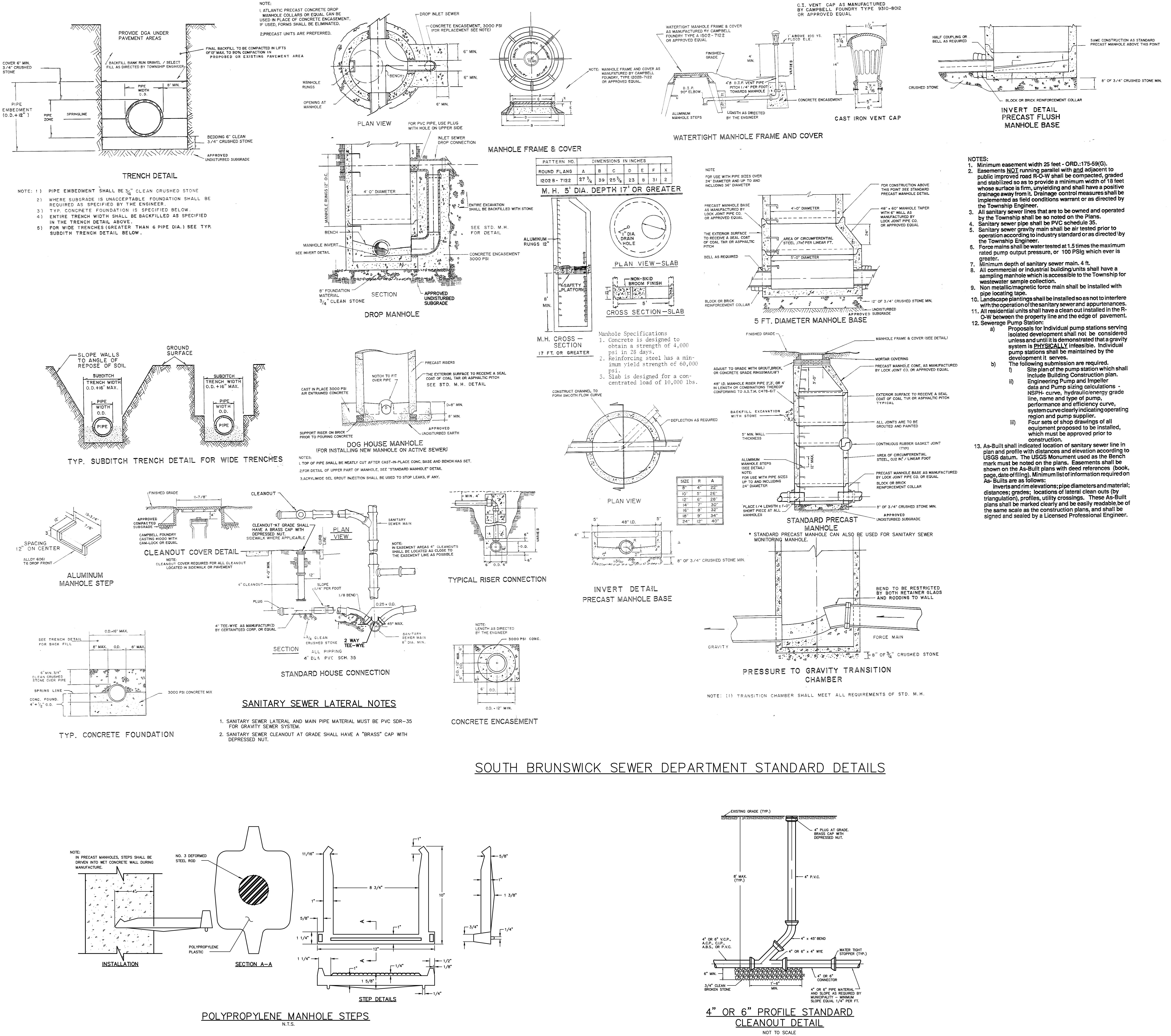
116. CONCRETE FILL

117. AREA OF REINFORCING STEEL EQUALS 12 SQ. IN./LN. FT

118. COMPACTED NUDOT NO. 57

119. STONE BASE, 6" THICK

ENVIRO DESIGN CENTER, INC. - CANCER CENTER V2\06C028T.003 - Penn Medical Cancer Center \CADD\DWG\06C028T - Cancer Center V2\06C028T.003 - CD CC.dwg SAN



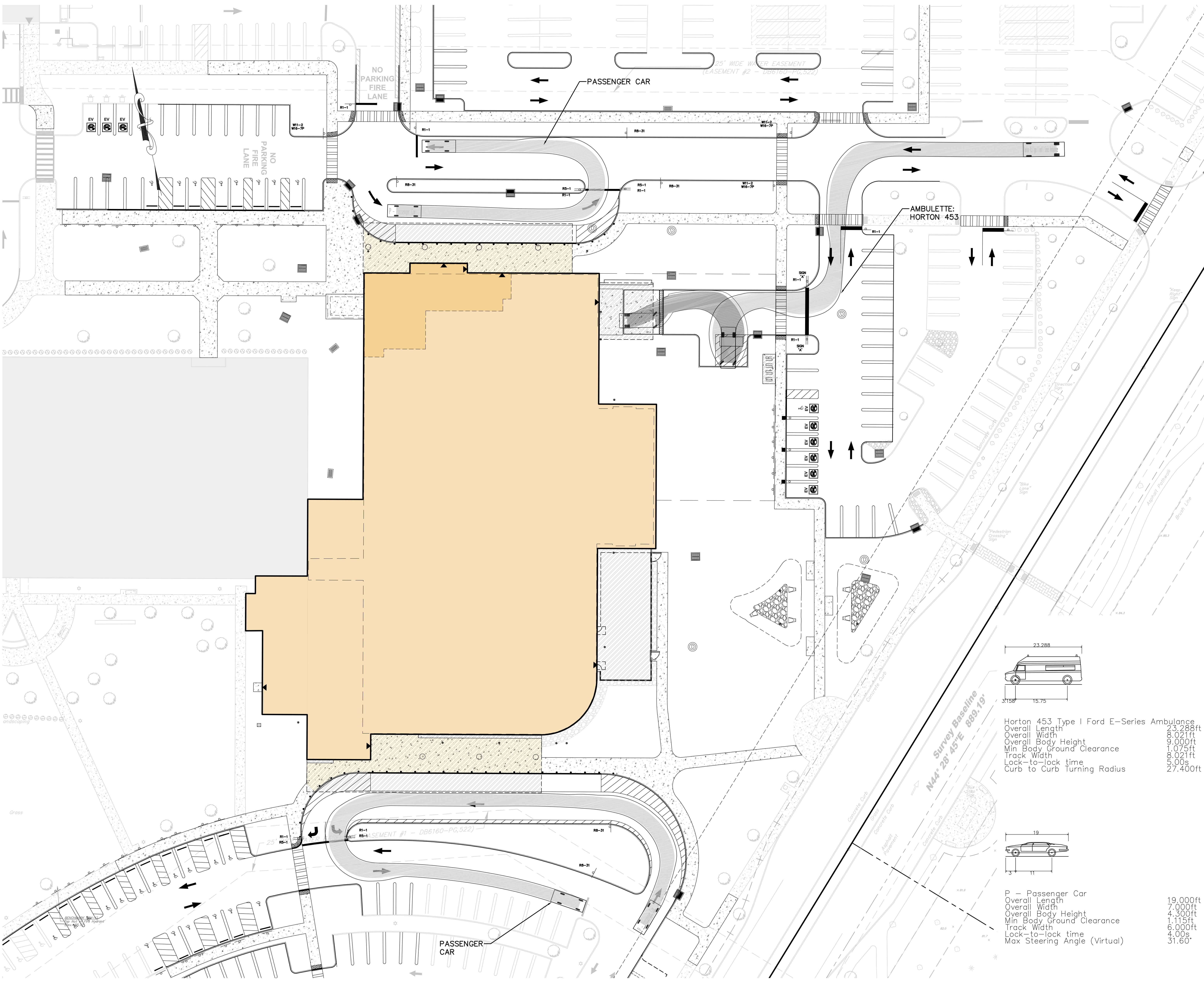
# PENN MEDICINE PRINCETON HEALTH CCIC

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO: 5267.003  
Block 7401 Lot 3.01  
Township of Plainsboro  
Middlesex County, New Jersey 08536

# CONSTRUCTION DETAILS - SANITARY SEWER

# C225





40 0 40 80  
SCALE : 1" = 40'

THE ORIGINAL OF THIS DRAWING IS 36" X 48". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.

07/31/2024  
08/02/2024  
C227

PACKAGE 0  
PACKAGE 1



1 Plainsboro Road  
Plainsboro, NJ 08536

**SHEPLEY BULFINCH**

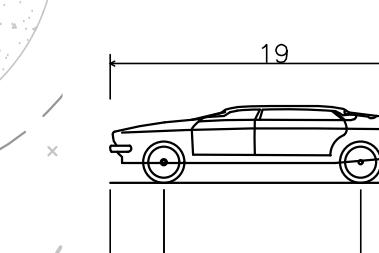
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shepleybulfinch.com

**FPA**  
FRENCH & PARRELLA  
ASSOCIATES

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732.312.9800  
FPAEngineers.com

ANDREW L. FRENCH, P.E.  
PROFESSIONAL ENGINEER, N.J. LIC. NO. 42894

Horton 453 Type I Ford E-Series Ambulance  
Overall Length 23.288ft  
Overall Width 8.021ft  
Overall Body Height 9.000ft  
Min Body Ground Clearance 1.075ft  
Track Width 8.021ft  
Lock-to-lock time 5.00s  
Curb to Curb Turning Radius 27.400ft



P - Passenger Car  
Overall Length 19,000ft  
Overall Width 7,000ft  
Overall Body Height 4,300ft  
Min. Body Ground Clearance 1,115ft  
Track Width 6,000ft  
Lock-to-lock time 4.00s  
Max Steering Angle (Virtual) 31.60°

**PENN MEDICINE  
PRINCETON  
HEALTH CCIC**

1 Plainsboro Road  
Plainsboro, NJ 08536  
JOB NO. 5261-000  
BLDG. 740, Lvl 1-2-3  
Township of Plainsboro  
Middlesex County, New Jersey 08536

**TURNING RADIUS PLAN  
AND DETAILS**

07/31/2024  
08/02/2024  
C227

PACKAGE 0  
PACKAGE 1