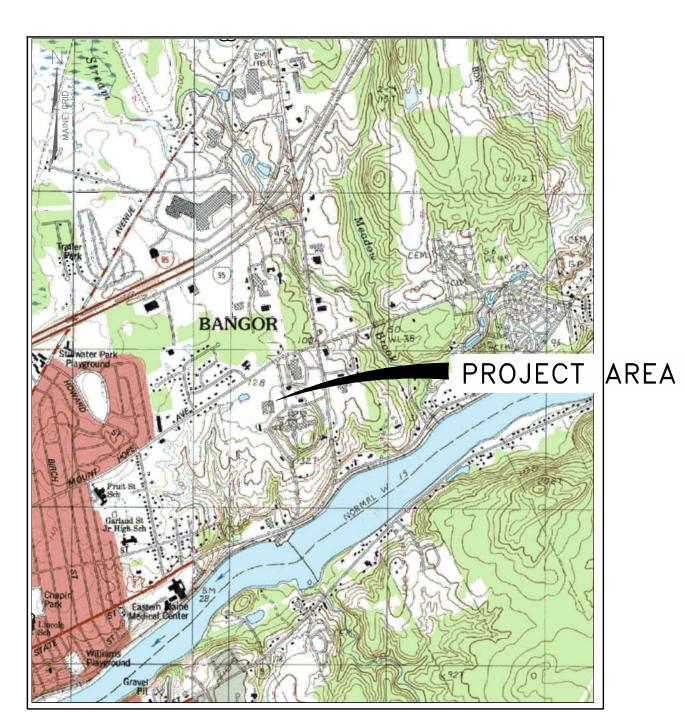
# State of New Hampshire Providence of Quebec PROJECT LOCATION MAP

### DOROTHEA DIX PSYCHIATRIC CENTER, BANGOR, MAINE

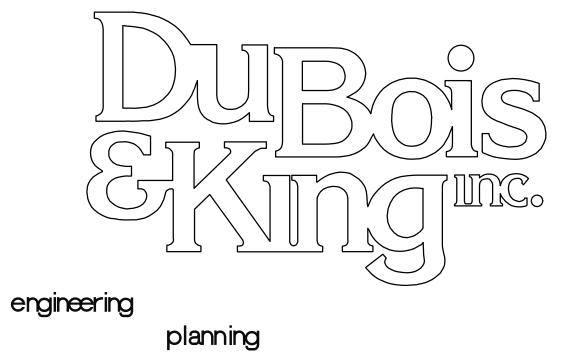
## STORMWATER UTILITY UPGRADES

August 11, 2022



PROJECT AREA MAP

SCALE: 1" = 2000' ±



management development

SHEET NO.DRAWING NO.DRAWING NAME1C1COVER SHEET2C2GENERAL CONSTRUCTION NOTES3C3SITE PHOTOS4C4SITE REMOVALS PLAN5C5SITE LAYOUT PLAN6C6SITE GRADING AND UTILITIES7C7SITE DETAILS8C8SITE DETAILS

SITE DETAILS

INDEX OF DRAWINGS

C9

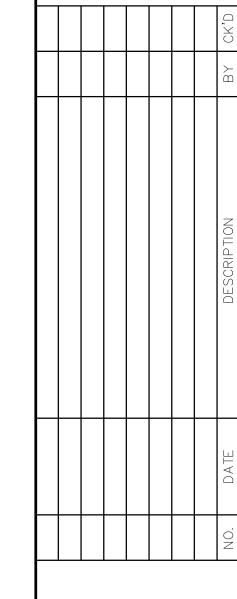
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DOROTHEA DIX
PSYCHIATRIC
CENTER
656 STATE STREET
BANGOR, ME
207-561-5516

STORMWATER UTILITY UPGRADES

DOROTHEA DIX PSYCHIATRIC CENTER

SHEET TITLE

TITLE SHEET

 DRAWN BY
 DATE

 MTM
 Aug. 2022

 CHECKED BY
 D&K PROJECT #

 JSK
 227953

 PROJ. ENG.
 D&K ARCHIVE #

 JSK
 JSK

SHEET NUMBER

C1

SHEET 1 OF 9

### GENERAL NOTES

### GENERAL CONDITIONS

- 1. THE PROJECT AND PROPERTY OWNER IS DOROTHEA DIX PSYCHIATRIC CENTER. AN OWNER'S REPRESENTATIVE WILL BE APPOINTED PRIOR TO CONSTRUCTION TO REPRESENT THE OWNER AND PROVIDE DIRECTION DURING THE PROJECT.
- SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET. A SET OF CONSTRUCTION PLANS AND TECHNICAL SPECIFICATIONS SHALL BE ON SITE AND IN GOOD CONDITION AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3. ALL PRIVATE PROPERTY OWNER COMMUNICATION SHALL BE CONDUCTED THROUGH THE OWNER'S REPRESENTATIVE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REVIEW CONDITIONS OF ENTRY AND ABIDE BY THEM.
- 4. CONTRACTOR SHALL INSTALL LIMIT OF DISTURBANCE FENCE PRIOR TO START OF CONSTRUCTION, AND THERE SHALL BE NO DISTURBANCE BEYOND THE LIMITS OF FENCE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY DUBOIS & KING INC. DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HERE ON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS, WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR OTHER AGENCIES WITH AUTHORITY OVER THE PROJECT.
- 6. CONTRACTOR SHALL LAY OUT THE CONSTRUCTION BASELINES, STAKE OUT LIMITS OF PROPOSED WORK AND REVIEW WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL APPLICABLE EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO CONSTRUCTION.
- 7. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ITS LATEST REVISIONS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING, WATER DIVERSION, AND DEWATERING REQUIREMENTS NEEDED FOR THE PROJECT IN ACCORDANCE WITH REGULATIONS AND PERMIT REQUIREMENTS.
- 9. IN CASE OF DISCREPANCY, REFER TO APPLICABLE CODE, STANDARD, OR REGULATION, IF APPROPRIATE.
- 10. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR TECHNICAL SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
- 11. LOCATE STAGING AREAS AWAY FROM SENSITIVE AREAS INCLUDING WETLANDS AND STREAM BUFFERS IN COMPLIANCE WITH REGULATIONS AND PERMIT REQUIREMENTS.
- 12. TO LIMIT INADVERTENT DAMAGE TO AND UNAUTHORIZED REMOVAL OF TREES ADJACENT TO THE WORK AREA, CONTRACTOR SHALL COORDINATE WITH OWNER AND OBTAIN APPROVAL PRIOR TO CUTTING OR TRIMMING TREES WITHIN AND ADJACENT TO THE WORK AREA.
- 13. VERIFY ALL INDICATED CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING ANY FABRICATION, ORDERING OF MATERIAL, OR PERFORMING ANY WORK. NOTIFY THE ENGINEER OF ANY CONDITIONS OR DIMENSIONS THAT WOULD PREVENT OR HAMPER THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- 14. THE PHRASES "REMOVE AND REPLACE" OR "REMOVE AND INSTALL" SHALL MEAN REMOVE EXISTING CONSTRUCTION AND REPLACE WITH NEW CONSTRUCTION MATERIALS AS NOTED ON THE DRAWINGS AND/OR SPECIFIED.

### EXISTING INFORMATION

- 1. EXISTING TOPOGRAPHY AND SITE FEATURES WITHIN THE SURVEY BOUNDARY ARE BASED ON A GROUND SURVEY PERFORMED BY DUBOIS & KING, INC. ON JULY 12, 2022. THE HORIZONTAL DATUM IS MAINE STATE PLANE EAST NAD83 US SURVEY FEET. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- 2. THE CONTRACTOR SHALL FAMILIARIZE THEMSELF WITH THE EXISTING CONDITIONS OF THE SITE AND SURROUNDINGS PRIOR TO THE START OF ANY CONSTRUCTION.

### CODES & PERMITS

- 1. IT IS NOT ANTICIPATED THAT LOCAL OR STATEWIDE PERMITS WILL BE REQUIRED FOR THIS PROJECT. THE LIMIT OF DISTURBANCE AREA WILL BE MINIMAL AND SITE WORK WILL BE LOCATED OUTSIDE OF RIGHT-OF-WAY BOUNDARY LINES.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK IN STRICT ACCORDANCE WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH MANY NOT COMPLY COMPLETELY WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THESE MAY INCLUDE. BUT ARE NOT LIMITED TO:
  - a. THE AMERICAN DISABILITY ACT WITH REGARDS TO DIMENSIONS AND GRADES
  - b. MAINE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
  - c. TOWN PERMITS AS REQUIRED.

- BELOW GROUND) WITHIN THE PROJECT LIMITS, AND TO TAKE THE NECESSARY PRECAUTIONS TO PROTECT UTILITIES DURING CONSTRUCTION. CONTACT DIG—SAFE AT 1—800—DIG—SAFE (WWW.DIGSAFE.COM) A MINIMUM OF 72 HOURS BEFORE GROUND DISTURBANCE. ALL DISTURBANCE OR DAMAGE TO UTILITIES BY CONTRACTOR ACTIVITIES WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL REPAIRS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OR THE OWNER.
- 2. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL UTILITY RELOCATION AND INSTALLATION WITH THE APPROPRIATE UTILITY. THE APPROPRIATE UTILITY OR ITS AUTHORIZED REPRESENTATIVE WILL PERFORM ADJUSTMENTS OF ALL UTILITY STRUCTURES.
- 3. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON THE PLANS. UTILITIES SHALL BE MAINTAINED IN ACTIVE OPERATION AT ALL TIMES. PROVIDE BYPASS PIPING AND PUMPING WHERE REQUIRED. ALL NEW UTILITY SYSTEMS SHALL BE OPERATIONAL BEFORE ANY EXISTING SYSTEMS ARE ABANDONED OR REMOVED. IF EXISTING UTILITIES ARE TAKEN OUT OF SERVICE FOR CONNECTIONS, THE TIMING SHALL BE APPROVED BY THE ENGINEER.
- 4. VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES WITHIN THE WORK AREA PRIOR TO CONSTRUCTION.
  - a. EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO EXISTING POWER, COMMUNICATIONS, WATER OR GAS LINES TO PREVENT DAMAGE TO THESE LINES.
  - b. IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING UTILITIES IN A MANNER APPROVED BY THE ENGINEER, AT NO COST TO THE OWNER.
  - C. ENSURE THAT ALL PIPES, CATCH BASINS, MANHOLES, SWALES, ETC. WITHIN AND NEAR THE AREA OF WORK ARE KEPT FREE FROM MATERIAL THAT WOULD HAMPER THE PERFORMANCE OF THE DRAINAGE SYSTEMS. FURNISH AND INSTALL SOIL EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN ON THE CONTRACT DRAWINGS. UPON COMPLETION OF CONSTRUCTION, REMOVE ACCUMULATED SEDIMENT AND REMOVE CONTROL DEVICES.

### MEETINGS, SUBMITTALS AND REQUIRED INSPECTIONS

- 1. THE CONTRACTOR SHALL PARTICIPATE IN A PRE-CONSTRUCTION CONFERENCE. PRIOR TO CONSTRUCTION ACTIVITY INCLUSIVE OF MOBILIZATION.
- 2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER MATERIAL SLIPS FOR ALL MATERIALS AND ITEMS USED ON THE PROJECT PURSUANT TO THE TECHNICAL SPECIFICATIONS.

### RESTORATION OF SURFACES

1. AT THE COMPLETION OF WORK, THE CONTRACTOR MUST RESTORE ACCESS ROADS, TOWN HIGHWAYS AND STAGING AREAS TO PRE—CONSTRUCTION CONDITION. RESTORATION MAY INCLUDE BUT NOT LIMITED TO PLACEMENT OF PAVEMENT OR GRAVEL ON EXISTING DRIVES AND / OR APPLICATION OF TOPSOIL, GRASS SEED, FERTILIZER, AND MULCH TO AFFECTED GRASSED AREAS.

### <u>CIVIL NOTES</u>

### MATERIAL NOTES:

- 1. ALL MATERIALS USED ON THIS PROJECT SHALL CONFORM TO THE MAINE DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. FOR ANY DISCREPANCY BETWEEN THE PLANS AND MATERIAL SPECIFICATIONS, THE TECHNICAL SPECIFICATIONS SHALL TAKE PRECEDENCE OVER NOTES CONTAINED ON THESE PLANS.
- 2. ALL EARTHEN MATERIALS USED ON SITE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. NEW EARTHEN MATERIAL SHALL BE CONSISTENT WITH ON SITE MATERIAL. THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO IMPORTING ANY NEW EARTHEN MATERIAL TO THE SITE.

### SITE MAINTENANCE

<u>GRADING</u>

- 1. CONTRACTOR SHALL APPLY WATER TO SITE AREAS TO SUPPRESS POTENTIAL FUGITIVE DUST EMISSIONS, IF NEEDED.
- 2. PREVENT WATER PONDING RESULTING FROM CONSTRUCTION OPERATIONS. PROMPTLY REMOVE ANY PONDED WATER TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 3. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 4. UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS, EQUIPMENT AND UNUSED MATERIALS FROM THE PROPERTY AND RESTORE THE "CONTRACTORS MATERIAL AND EQUIPMENT STAGING AREA" TO ITS ORIGINAL CONDITION, AS APPROVED BY THE OWNER'S REPRESENTATIVE.

- 1. SUITABLE EXCAVATED ON—SITE MATERIAL SHALL BE UTILIZED IN LOCATIONS THAT REQUIRE FILL OR BACKFILL.
- 2. ANY EXCESS MATERIAL TO BE DISPOSED OF OFF SITE SHALL BE REMOVED AT NO ADDITIONAL COST UNLESS OTHERWISE APPROVED IN ADVANCE BY THE ENGINEER. MATERIAL SHALL BE DISPOSED OF IN AN APPROVED LOCATION AWAY FROM WETLANDS, FLOODPLAIN, OR OTHER SENSITIVE AREAS.
- 3. COMPACTION TESTING IS REQUIRED ON FILL AND BACKFILL AREAS. REFER TO APPLICABLE DETAILS.
- 4. PLACE 4 INCHES MINIMUM OF TOPSOIL AND SEED ON DISTURBED AREAS.

### <u>DRAINAGE</u>

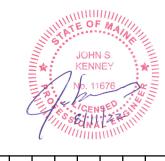
1. WHERE STORMWATER COLLECTION, CONVEYANCE AND TREATMENT INFRASTRUCTURE IS TO BE CONSTRUCTED, VERIFY THE LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.

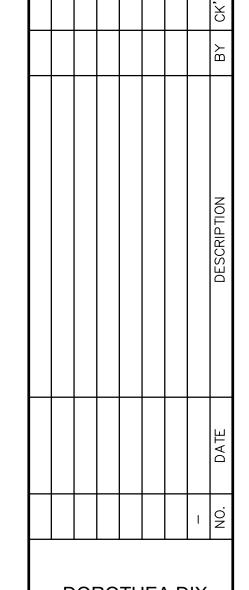
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DOROTHEA DIX PSYCHIATRIC CENTER 656 STATE ST BANGOR, ME 207-561-5516

STORMWATER UTILITY UPGRADE

DOROTHEA DIX PSYCHIATRIC CENTER

SHEET TITLE

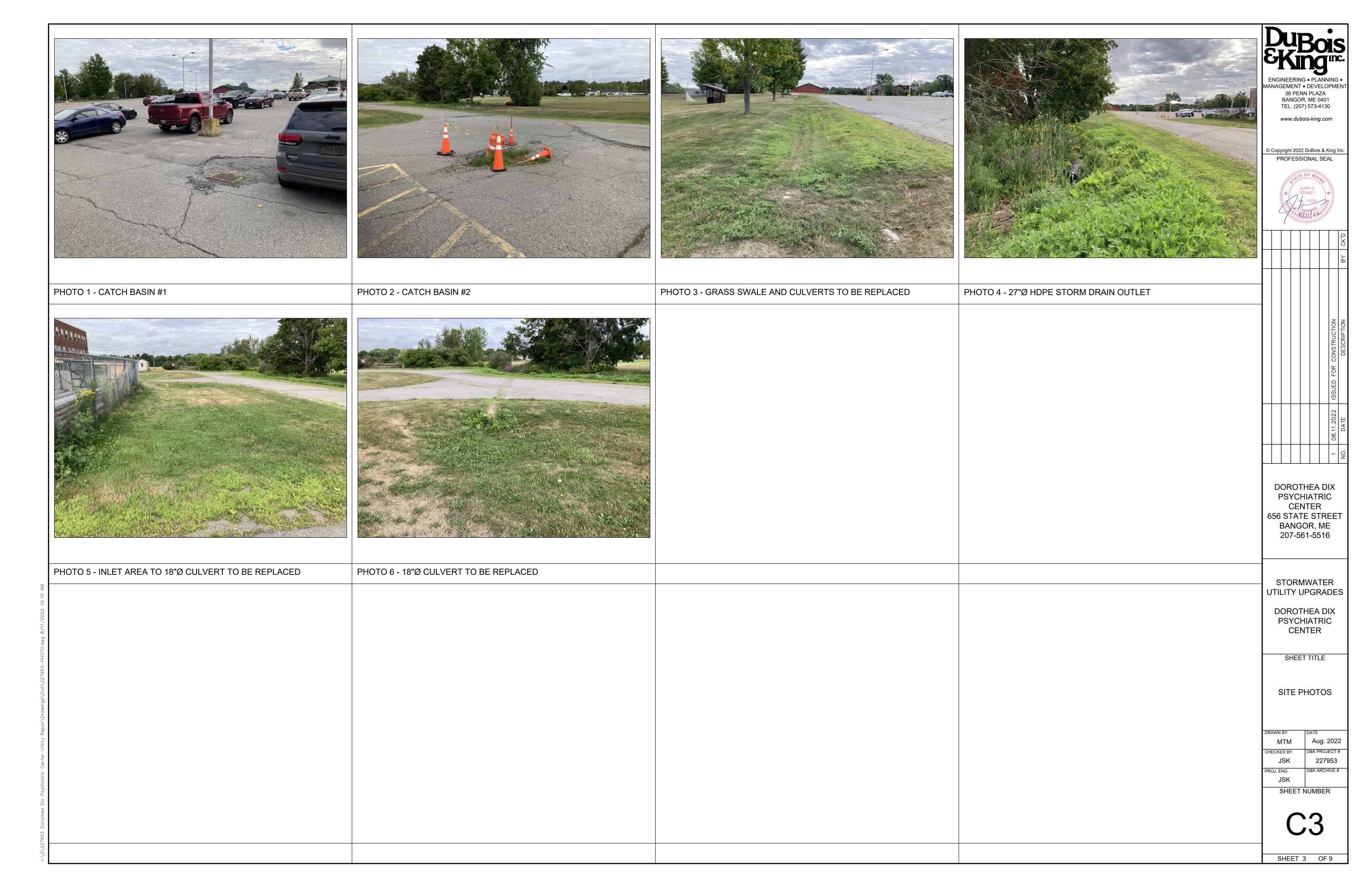
GENERAL CONSTRUCTION NOTES

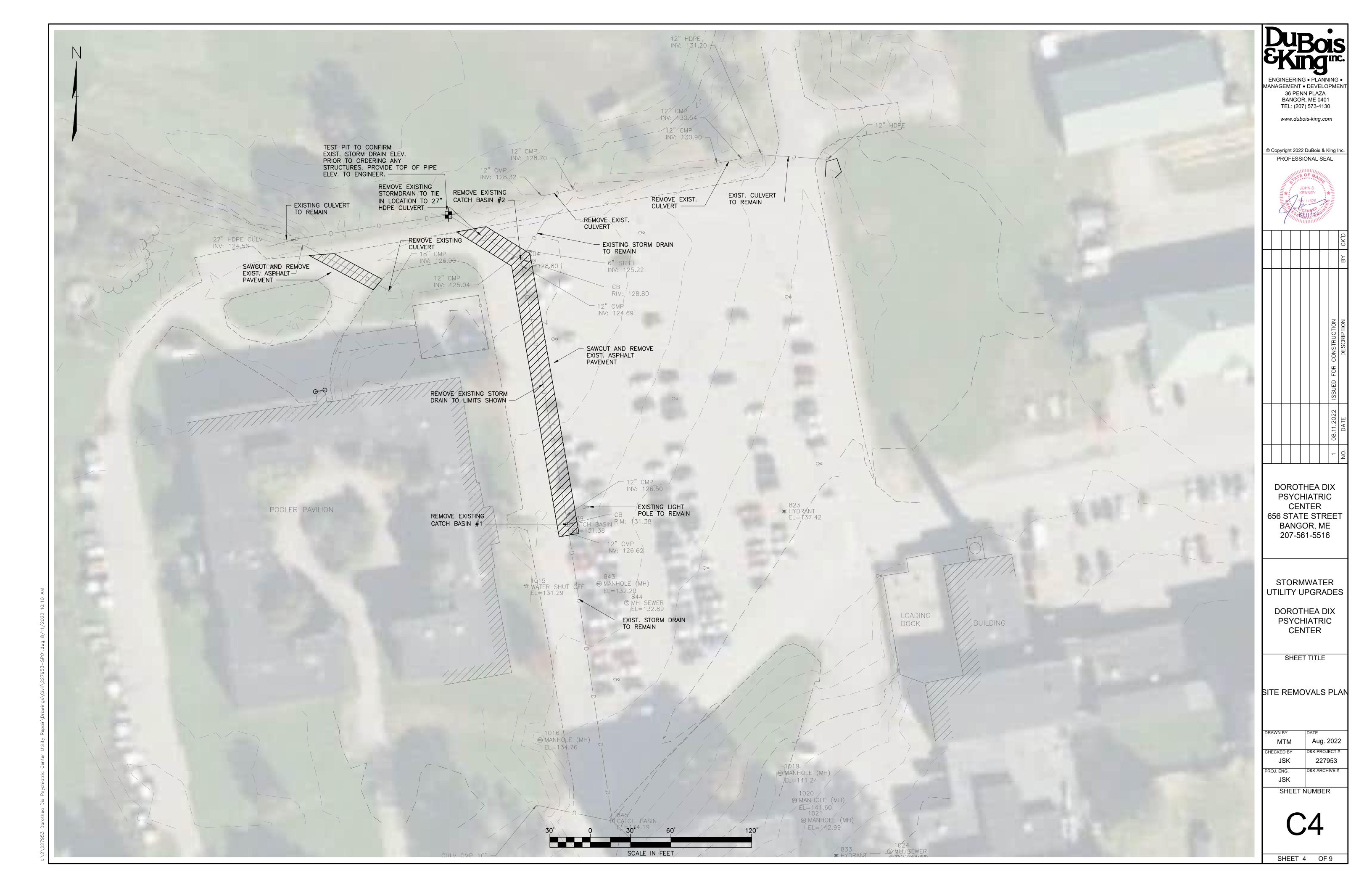
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JSK	227953
PROJ. ENG.	D&K ARCHIVE #
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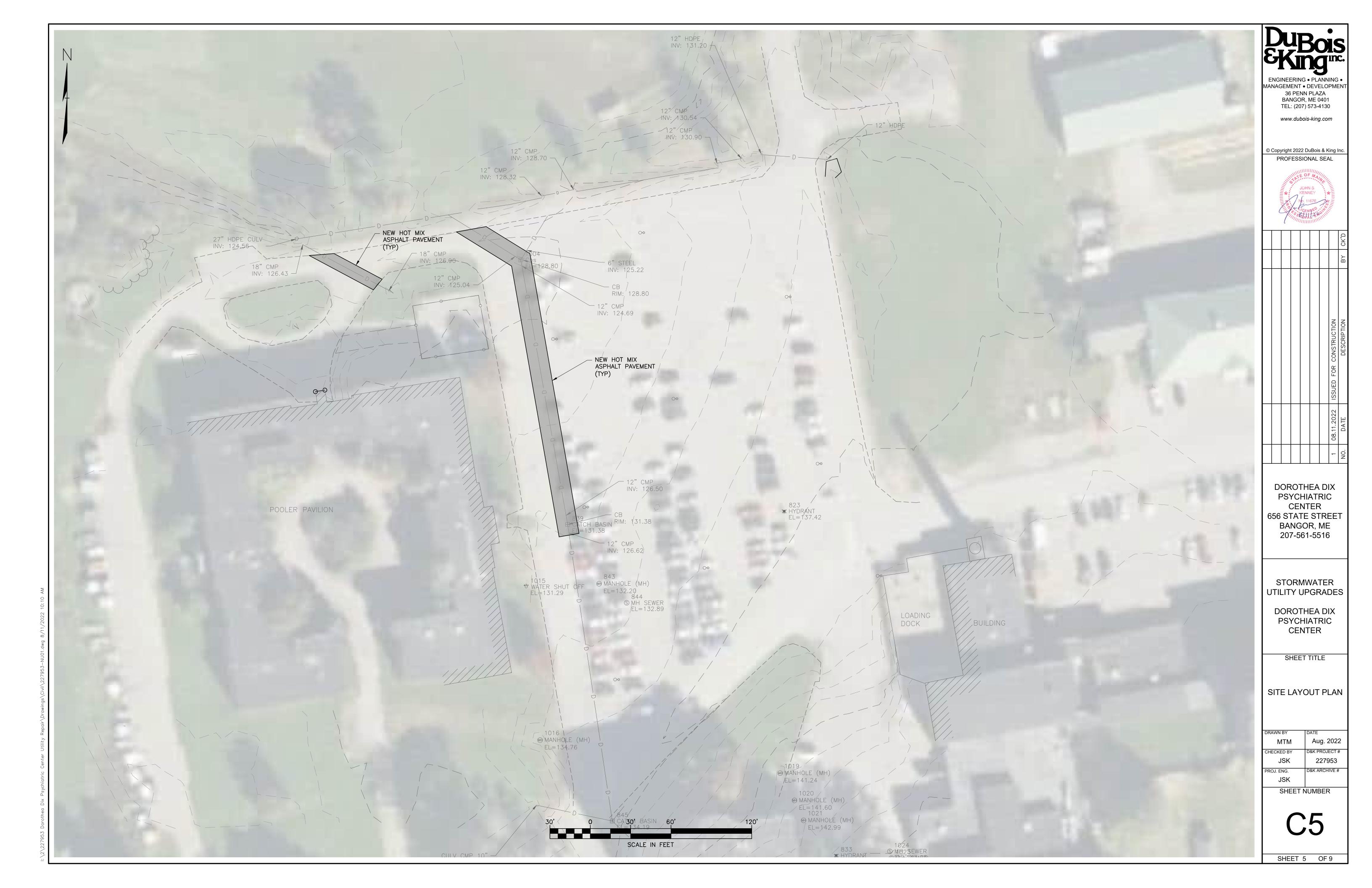
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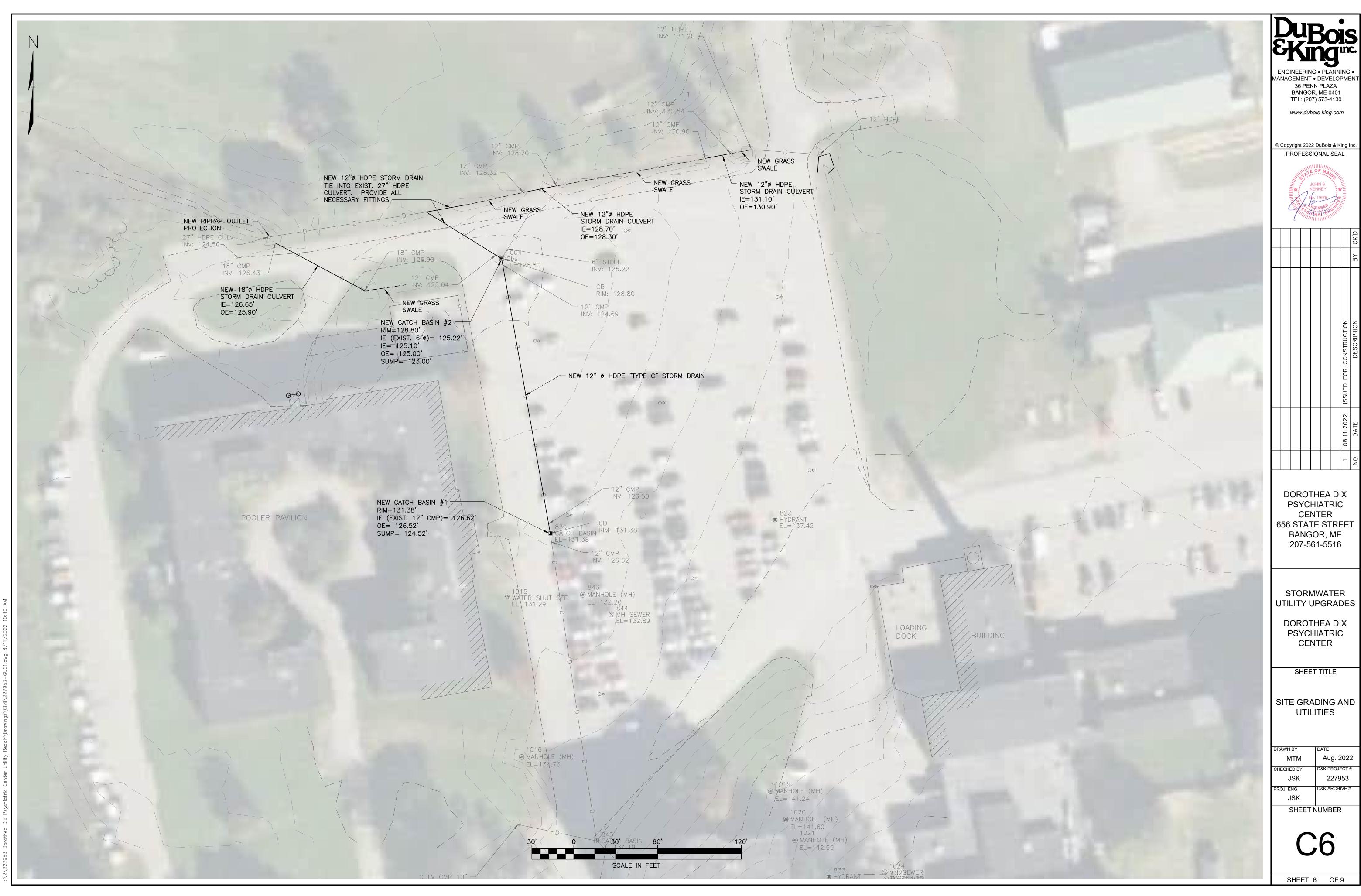
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SHEET 2 OF 9









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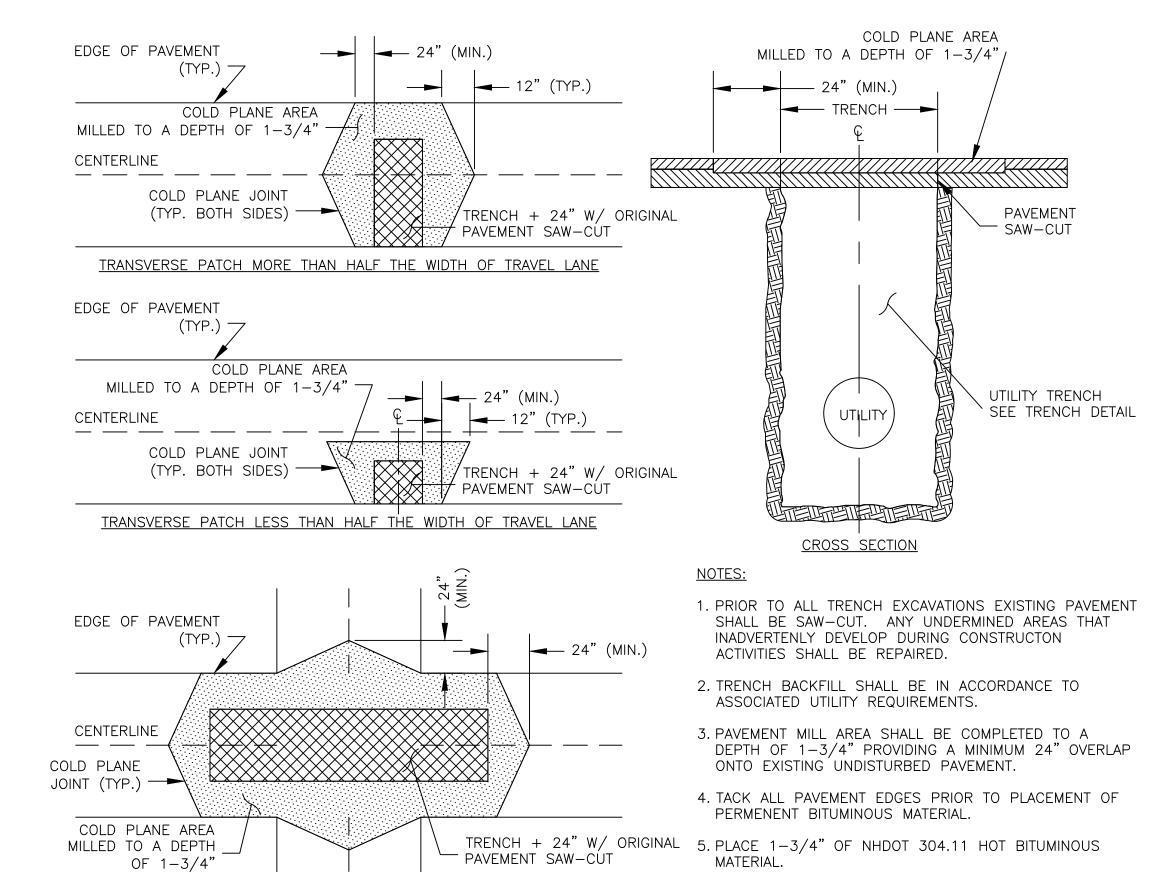
NOTES:

1. REMOVE ALL UNSUITABLE MATERIAL BELOW PAVEMENT SECTION TO THE SATISFACTION OF THE ENGINEER

2. IN NON-CURB AREAS PAVEMENT SUB-BASE MATERIAL SHALL EXTEND 1' BEYOND EDGE-OF-PAVEMENT.

### PARKING LOT PAVEMENT DETAIL

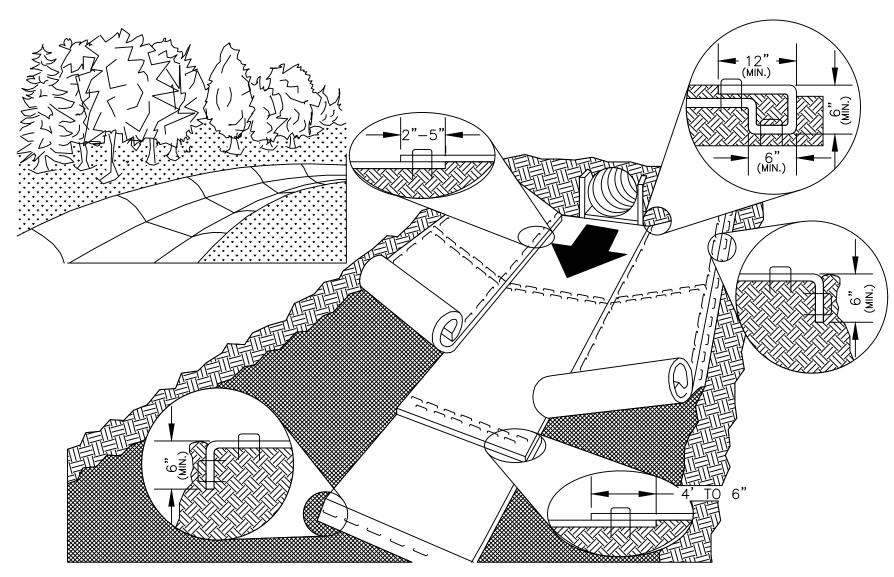
NOT TO SCALE



PAVEMENT REPAIR DETAIL

NOT TO SCALE

**INTERSECTION PATCH** 



### NOTES:

- 1. MANUFACTURER'S INSTALLATION PROCEDURES SUPERSEDE THE FOLLOWING RECOMMENDED PROCEDURES.
- 2. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP)
- 3. BEGIN INSTALLATION OF MATTING AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP X 6" WIDE TRENCH WITH 12" (APPROX.) OF RECP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP WITH A ROW OF STAPLES/STAKES 12" (APPROX.) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP BACK OVER SEED AND COMPACTED SOIL. SECURE RECP OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" (APPROX.) APART ACROSS THE WIDTH OF THE RECP.
- 4. ROLL CENTER RECP IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. ALL RECP MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS
- 5. CONSECUTIVE RECP SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH A 4" TO 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA WITH A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER.
- 6. RECP EDGES LOCATED ALONG THE TOP OF THE SIDE SLOPE SHALL BE ANCHORED WITH A ROW OF STAPLES/STAKES 12" (APPROX.) APART IN A 6" DEEP X 6" WIDE TRENCH; FULL LENGTH OF EDGE. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- 7. ADJACENT RECP (DOWN SLOPE) SHALL BE STAPLED WITH A 2" TO 5" (APPROX.) OVERLAP.
- 8. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- 9. ANCHOR THE RECP TERMINAL END WITH A ROW OF STAPLES/STAKES 12" (APPROX.) APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- 10. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP.

### CRITICAL POINTS:

- A. OVERLAPS AND SEAMS
- B. PROJECTED WATER LINE
- C. CHANNEL BOTTOM/SIDE SLOPES VERTICES
- \* HORIZONTAL STAPLES SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
- \*\* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE RECP.

DRAINAGE SWALE STABILIZATION

MATTING DETAIL

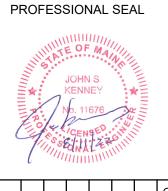
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STORMWATER UTILITY UPGRADES

> DOROTHEA DIX PSYCHIATRIC CENTER

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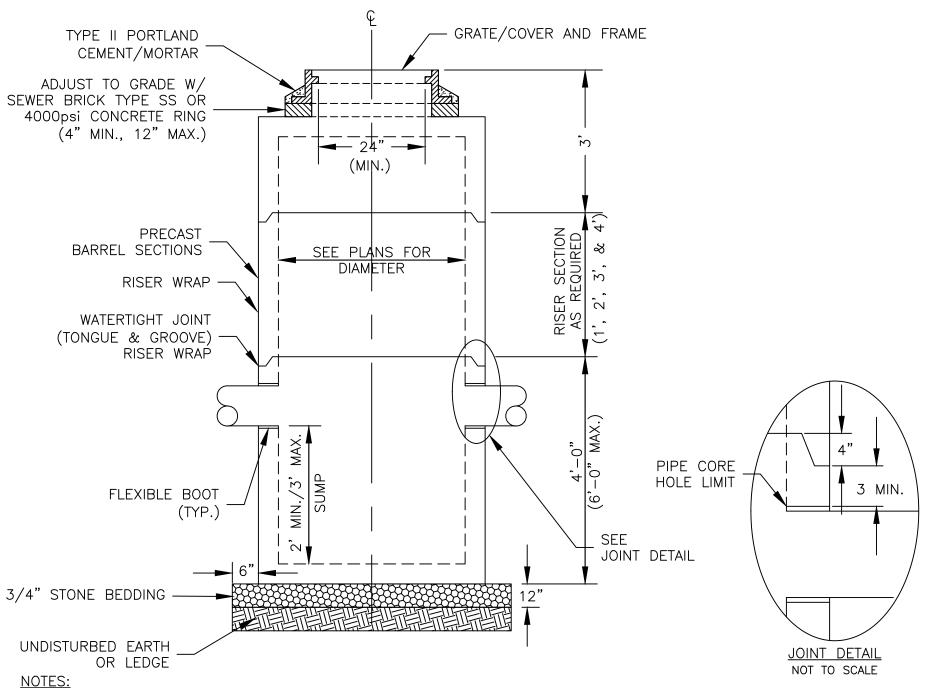
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**C7** 

SHEET 7 OF 9

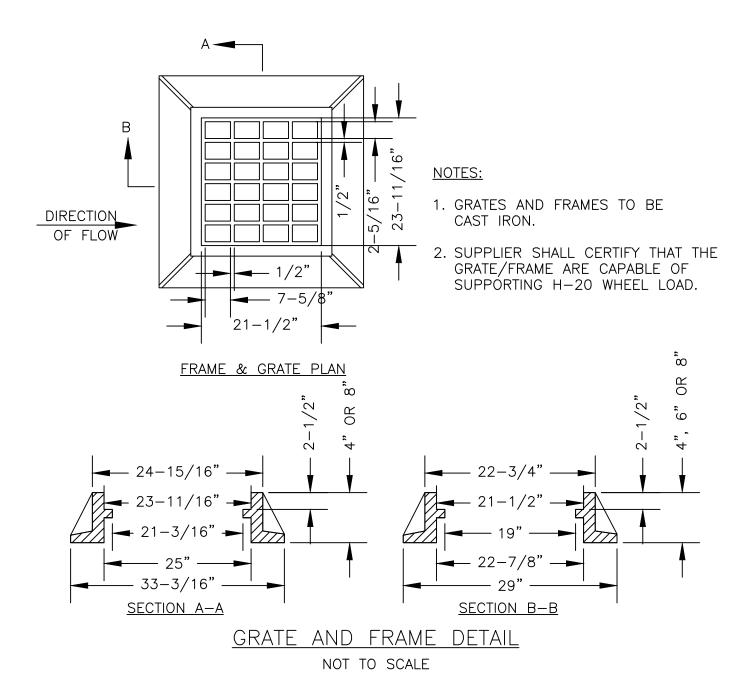


- CORE HOLE SCHEUDLE PIPE SIZE CORE HOLE DIA. (INCHES) | INCHES | FEET 0.6 12" 18 1.5 15" 20 1.7 18" 24 2.0 24" 2.7 32 30" 42 3.5 36" 48 4.0 42" 54 4.6 48" 64 5.3
- 1. ABOVE INFORMATION TO BE CONFIRMED....

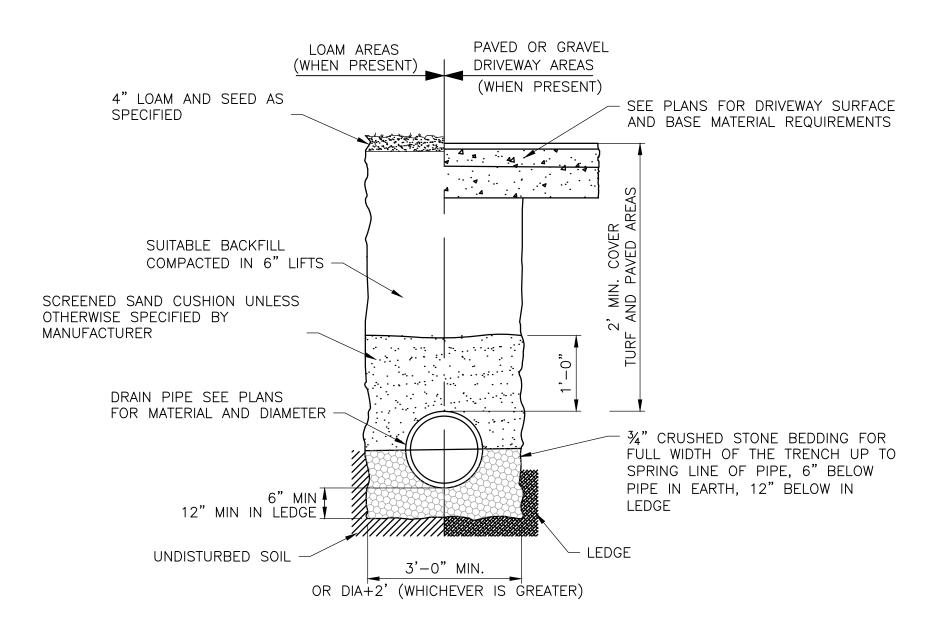
- 1. PRECAST SECTIONS SHALL BE REINFORCED AND BE 5" THICK FOR A 4' DIAMETER STRUCTURE, 6" THICK FOR A 5' DIAMETER STRUCTURE, 7" THICK FOR A 6' DIAMETER STRUCTURE AND 9" THICK FOR A 8' DIAMETER STRUCTURE.
- 2. PRECAST BASE SECTIONS SHALL BE REINFORCED AND CONSIST OF A FLOOR THICKNESS OF 6" THICK FOR A 4' DIAMETER STRUCTURE, 8" THICK FOR A 6' DIAMETER STRUCTURE AND 10" THICK FOR A 8' DIAMETER STRUCTURE.
- 3. PRECAST SECTIONS SHALL MEET HS-20 LOADING, CONSIST OF CONCRETE THAT IS A MINIMUM OF 4000psi @28 DAYS AND SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478; LATEST REVISION.
- 4. PRECAST SECTIONS SHALL HAVE TONGUE AND GROOVE JOINT 4" HIGH AT AN 11-DEGREE ANGLE CENTERED IN THE WIDTH OF THE WALL AND SHALL BE ASSEMBLED USING AN APPROVED FLEXIBLE SEALANT IN JOINTS.
- 5. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF INSIDE SURFACE BETWEEN HOLES AND NO MORE THAN 75% OF A HORIZONTAL CROSS—SECTION SHALL BE HOLES, INCLUDING NO HOLES SHALL BE LOCATED CLOSER THAN 3" TO JOINTS.
- 6. OUTSIDE PIPE EDGES SHALL PROJECT NO MORE THAN 3" BEYOND INSIDE WALL STRUCTURE.
- 7. SEE PLANS FOR STRUCTURE SIZES.

CATCH BASIN/DRAIN MANHOLE DETAIL NOT TO SCALE

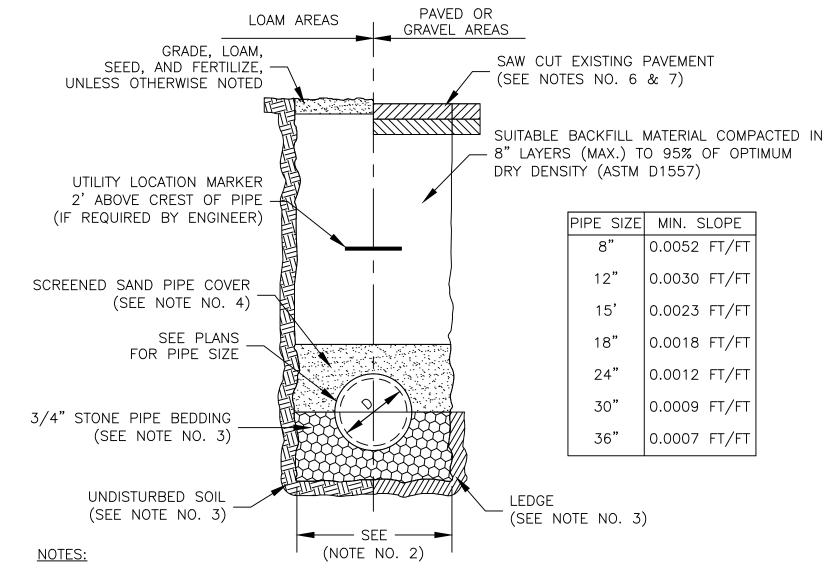
1. LABEL ON PLANS THE SIZE OF CB'S TO BE INSTALLED (i.e. 4' DIA, 5' DIA., 6' DIA, ETC.)
2. CONTACT LOCAL MANUFACTURES TO REVIEW CB/DMH LAYOUT AND DETERMINE ASSOCIATED SIZES.



1. SEE GENERAL FOUNDRIES INC. CASTING CATALOG FOR DIMENSIONS OF VARIOUS SIZE OPENINGS.



### TYPICAL DRIVEWAY CULVERT DETAIL NOT TO SCALE



- 1. ALL EXCAVATION MUST MEET OSHA STANDARDS.
- 2. STANDARD TRENCH WIDTH SHALL BE D+2' OR 3'; WHICHEVER IS GREATER.
- 3. BEDDING MATERIAL SHALL BE FULL WIDTH OF TRENCH. BEDDING MATERIAL SHALL BE 6" BELOW PIPE (IN EARTH) OR 12" BELOW PIPE (IN LEDGE) UP TO SPRING LINE OF PIPE.
- 4. SAND COVER/CUSHION MATERIAL SHALL BE FULL WIDTH OF TRENCH. SAND MATERIAL SHALL BE FROM SPRING LINE UP TO 12" (MINIMUM) ABOVE CREST OF PIPE.
- 5. STROM DRAIN LAYOUT PLAN PIPE SLOPES SHALL GOVERN OVER MINIMUM PIPE SLOPE SCHEDULE.
- 6. PAVEMENT REPAIR SHALL CONFORM TO STREET OPENING REGULATIONS (WITHIN RIGHT-OF-WAY LIMITS), PAVEMENT SECTION DETAIL (OUTSIDE OF RIGHT-OF-WAY LIMITS) AND FOLLOW NOTE NO. 7.
- 7. DURING PAVEMENT REPAIR, THE CONTRACTOR SHALL CUT-BACK SUBBASE MATERIAL AN ADDITIONAL 12-INCHES ON EITHER SIDE OF THE TRENCH AND PAVEMENT COLD PLANE MILL AREA TO A DEPTH OF 1-3/4" AN ADDITIONAL 24-INCHES ON EITHER SIDE OF SUBBASE MATERIAL CUT-BACK.

### STORM DRAIN PIPE TRENCH DETAIL

NOT TO SCALE

NOTES

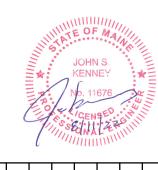
- 1. THAT SLOPES VALUES ARE BASED ON MINIMUM VELOCITIES OF 2.5 FT/S FLOWING FULL.
- 2. REFER TO HDPE MANUALS FOR MINIMUM COVER FOR TRAFFIC AND NON-TRAFFIC AREAS.

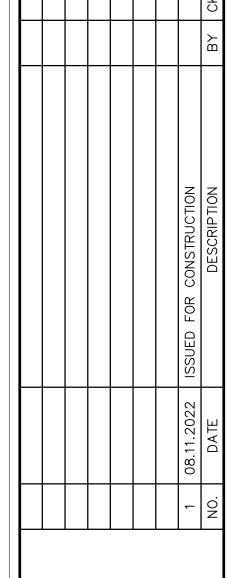
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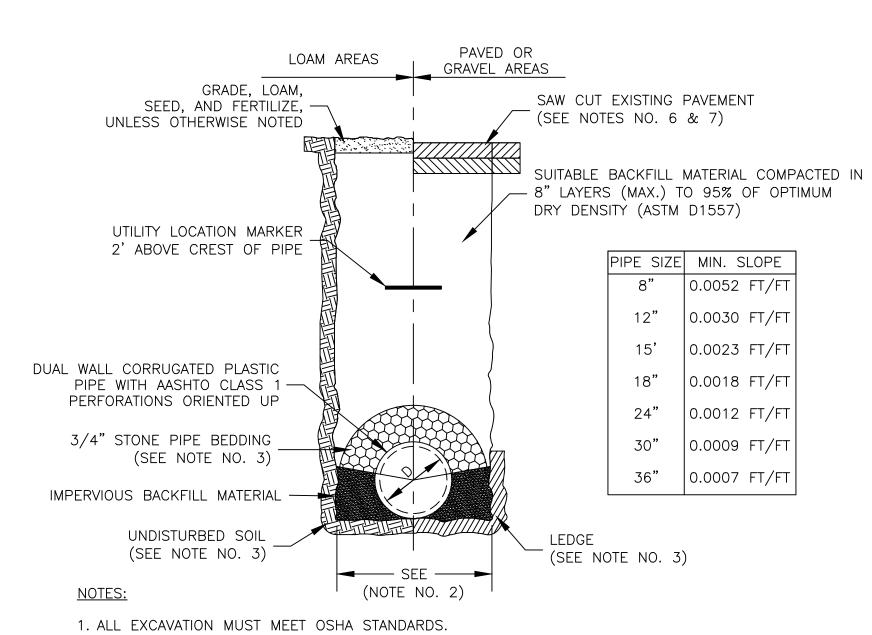
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**C8** 

SHEET 8 OF 9



- 2. STANDARD TRENCH WIDTH SHALL BE D+2' OR 3'; WHICHEVER IS GREATER.
- 3. BEDDING MATERIAL SHALL BE FULL WIDTH OF TRENCH. BEDDING MATERIAL SHALL BE 6" BELOW PIPE (IN LEDGE) UP TO SPRING LINE OF PIPE.
- 4. SAND COVER/CUSHION MATERIAL SHALL BE FULL WIDTH OF TRENCH. SAND MATERIAL SHALL BE FROM SPRING LINE UP TO 12" (MINIMUM) ABOVE CREST OF PIPE.
- 5. STROM DRAIN LAYOUT PLAN PIPE SLOPES SHALL GOVERN OVER MINIMUM PIPE SLOPE SCHEDULE.
- 6. PAVEMENT REPAIR SHALL CONFORM TO STREET OPENING REGULATIONS (WITHIN RIGHT—OF—WAY LIMITS), PAVEMENT SECTION DETAIL (OUTSIDE OF RIGHT—OF—WAY LIMITS) AND FOLLOW NOTE NO. 7.
- 7. DURING PAVEMENT REPAIR, THE CONTRACTOR SHALL CUT-BACK SUBBASE MATERIAL AN ADDITIONAL 12-INCHES ON EITHER SIDE OF THE TRENCH AND PAVEMENT COLD PLANE MILL AREA TO A DEPTH OF 1-3/4" AN ADDITIONAL 24-INCHES ON EITHER SIDE OF SUBBASE MATERIAL CUT-BACK.

"TYPE C" STORM DRAIN PIPE TRENCH DETAIL

NOT TO SCALE

MANAGEMENT • DEVELOPMENT 36 PENN PLAZA BANGOR, ME 0401 TEL: (207) 573-4130

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				08.11.2022   ISSUED FOR CONSTRUCTION	DESCRIPTION
				08.11.2022	DATE
				1	NO.

DOROTHEA DIX **PSYCHIATRIC** CENTER 656 STATE STREET BANGOR, ME 207-561-5516

STORMWATER UTILITY UPGRADES

DOROTHEA DIX **PSYCHIATRIC** CENTER

SHEET TITLE

SITE DETAILS

DRAWN BY	DATE
MTM	Aug. 2022
CHECKED BY	D&K PROJECT#
JSK	227953
PROJ. ENG.	D&K ARCHIVE #
JSK	

SHEET NUMBER

SHEET 9 OF 9