

PICKERING SQUARE IMPROVEMENTS

CITY OF BANGOR, MAINE

MARCH 13, 2024

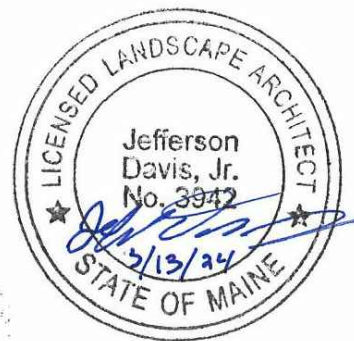
ISSUED FOR BIDDING



SHEET LIST:

| | |
|------------|----------------------------|
| SHEET C100 | EXISTING / DEMO PLAN |
| SHEET C101 | SITE IMPROVEMENTS PLAN |
| SHEET C102 | GRADING / DRAINAGE PLAN |
| SHEET L100 | LANDSCAPE / AMENITIES PLAN |
| SHEET L101 | LANDSCAPE SURFACE MEDIA |
| SHEET D1 | DETAILS |
| SHEET D2 | DETAILS |

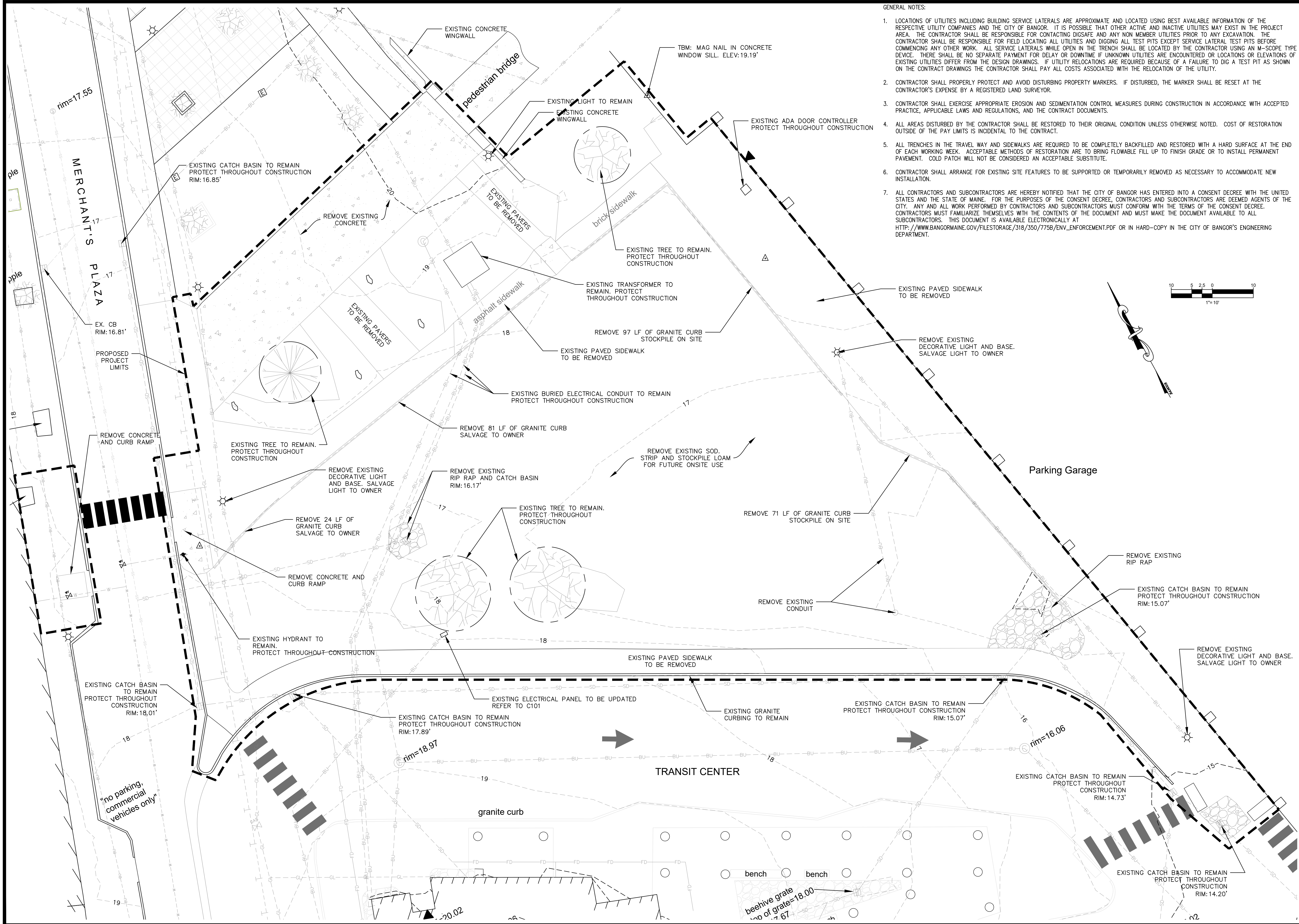
DEBORAH A. LAURIE, CITY MANAGER
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ENGINEERING DEPARTMENT
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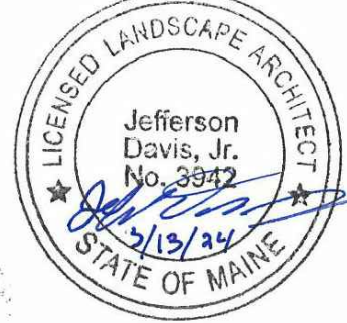
CITY OF BANGOR



- GENERAL NOTES:
1. LOCATIONS OF UTILITIES INCLUDING BUILDING SERVICE LATERALS ARE APPROXIMATE AND LOCATED USING BEST AVAILABLE INFORMATION OF THE RESPECTIVE UTILITY COMPANIES AND THE CITY OF BANGOR. IT IS POSSIBLE THAT OTHER ACTIVE AND INACTIVE UTILITIES MAY EXIST IN THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIGSAFE AND ANY NON MEMBER UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES AND DIGGING ALL TEST PITS EXCEPT SERVICE LATERAL TEST PITS BEFORE COMMENCING ANY OTHER WORK. ALL SERVICE LATERALS WHILE OPEN IN THE TRENCH SHALL BE LOCATED BY THE CONTRACTOR USING AN M-SCOPE TYPE DEVICE. THERE SHALL BE NO SEPARATE PAYMENT FOR DELAY OR DOWNTIME IF UNKNOWN UTILITIES ARE ENCOUNTERED OR LOCATIONS OR ELEVATIONS OF EXISTING UTILITIES DIFFER FROM THE DESIGN DRAWINGS. IF UTILITY RELOCATIONS ARE REQUIRED BECAUSE OF A FAILURE TO DIG A TEST PIT AS SHOWN ON THE CONTRACT DRAWINGS THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH THE RELOCATION OF THE UTILITY.
 2. CONTRACTOR SHALL PROPERLY PROTECT AND AVOID DISTURBING PROPERTY MARKERS. IF DISTURBED, THE MARKER SHALL BE RESET AT THE CONTRACTOR'S EXPENSE BY A REGISTERED LAND SURVEYOR.
 3. CONTRACTOR SHALL EXERCISE APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION IN ACCORDANCE WITH ACCEPTED PRACTICE, APPLICABLE LAWS AND REGULATIONS, AND THE CONTRACT DOCUMENTS.
 4. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE NOTED. COST OF RESTORATION OUTSIDE OF THE PAY LIMITS IS INCIDENTAL TO THE CONTRACT.
 5. ALL TRENCHES IN THE TRAVEL WAY AND SIDEWALKS ARE REQUIRED TO BE COMPLETELY BACKFILLED AND RESTORED WITH A HARD SURFACE AT THE END OF EACH WORKING WEEK. ACCEPTABLE METHODS OF RESTORATION ARE TO BRING FLOWABLE FILL UP TO FINISH GRADE OR TO INSTALL PERMANENT PAVEMENT. COLD PATCH WILL NOT BE CONSIDERED AN ACCEPTABLE SUBSTITUTE.
 6. CONTRACTOR SHALL ARRANGE FOR EXISTING SITE FEATURES TO BE SUPPORTED OR TEMPORARILY REMOVED AS NECESSARY TO ACCOMMODATE NEW INSTALLATION.
 7. ALL CONTRACTORS AND SUBCONTRACTORS ARE HEREBY NOTIFIED THAT THE CITY OF BANGOR HAS ENTERED INTO A CONSENT DECREE WITH THE UNITED STATES AND THE STATE OF MAINE. FOR THE PURPOSES OF THE CONSENT DECREE, CONTRACTORS AND SUBCONTRACTORS ARE DEEMED AGENTS OF THE CITY. ANY AND ALL WORK PERFORMED BY CONTRACTORS AND SUBCONTRACTORS MUST CONFORM WITH THE TERMS OF THE CONSENT DECREE. CONTRACTORS MUST FAMILIARIZE THEMSELVES WITH THE CONTENTS OF THE DOCUMENT AND MUST MAKE THE DOCUMENT AVAILABLE TO ALL SUBCONTRACTORS. THIS DOCUMENT IS AVAILABLE ELECTRONICALLY AT [HTTP://WWW.BANGORMAINE.GOV/FILESTORAGE/318/350/7758/ENV_ENFORCEMENT.PDF](http://www.bangormaine.gov/filestorage/318/350/7758/ENV_ENFORCEMENT.PDF) OR IN HARD-COPY IN THE CITY OF BANGOR'S ENGINEERING DEPARTMENT.



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Jefferson Davis, Jr.
No. 3992
5/13/24
STATE OF MAINE

| DESIGNED BY: | DRAWN BY: | CHECKED BY: | COORD./DATE: | DATE: |
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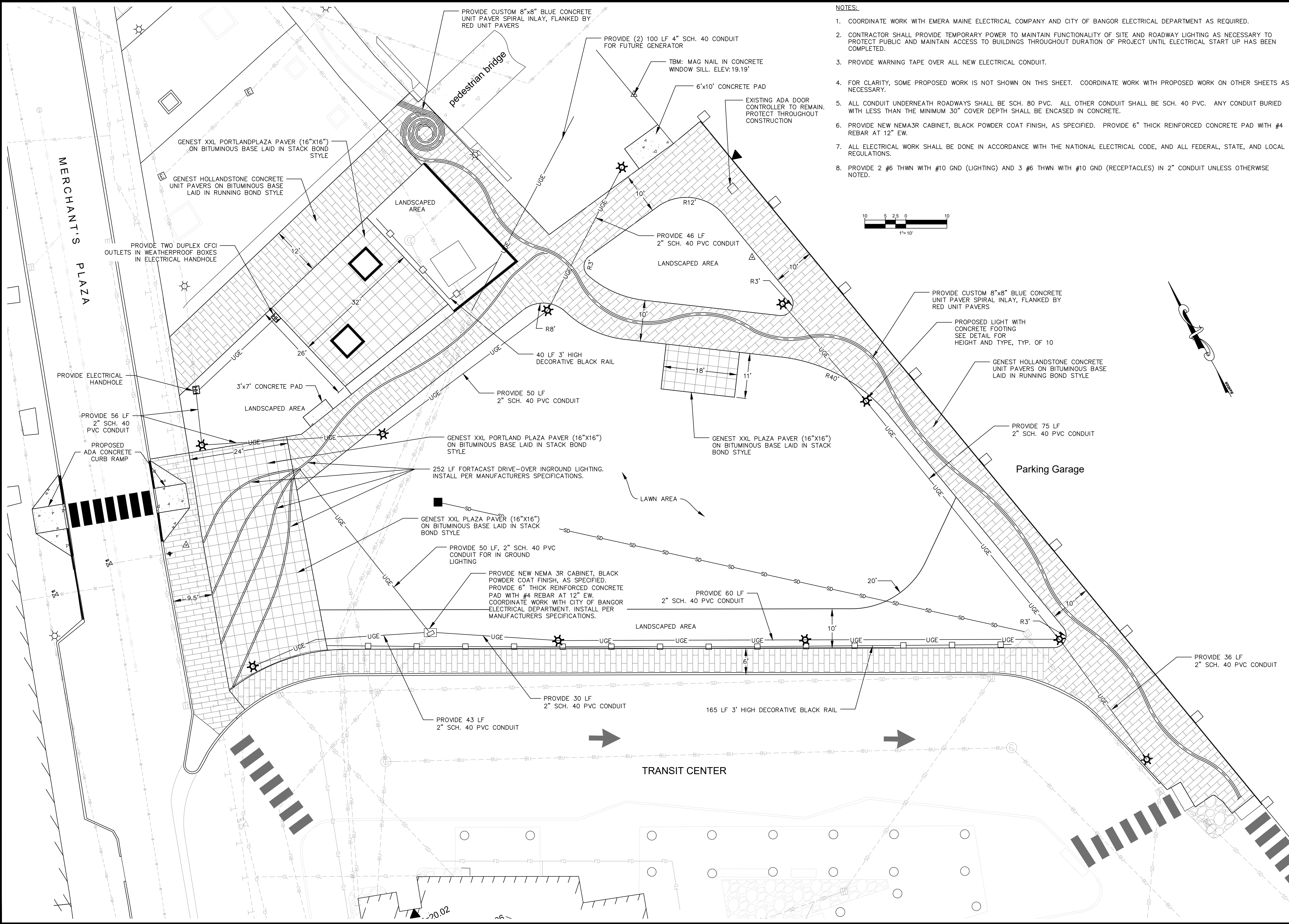
Revision
Date
No.
SCALE: AS NOTED

PICKERING SQUARE SITE IMPROVEMENTS
BANGOR, MAINE

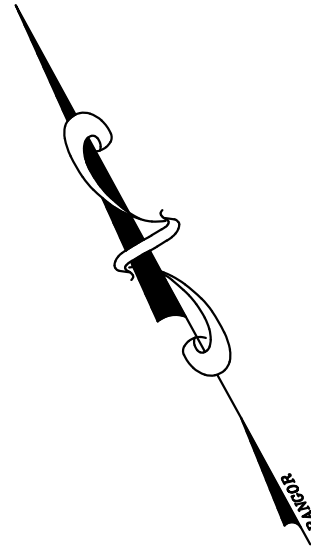
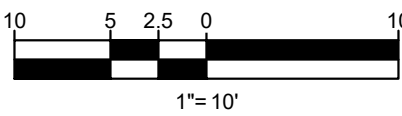
EXISTING/DEMO PLAN

Job No.
Sheet No.

C100



- NOTES:
- COORDINATE WORK WITH EMERA MAINE ELECTRICAL COMPANY AND CITY OF BANGOR ELECTRICAL DEPARTMENT AS REQUIRED.
 - CONTRACTOR SHALL PROVIDE TEMPORARY POWER TO MAINTAIN FUNCTIONALITY OF SITE AND ROADWAY LIGHTING AS NECESSARY TO PROTECT PUBLIC AND MAINTAIN ACCESS TO BUILDINGS THROUGHOUT DURATION OF PROJECT UNTIL ELECTRICAL START UP HAS BEEN COMPLETED.
 - PROVIDE WARNING TAPE OVER ALL NEW ELECTRICAL CONDUIT.
 - FOR CLARITY, SOME PROPOSED WORK IS NOT SHOWN ON THIS SHEET. COORDINATE WORK WITH PROPOSED WORK ON OTHER SHEETS AS NECESSARY.
 - ALL CONDUIT UNDERNEATH ROADWAYS SHALL BE SCH. 80 PVC. ALL OTHER CONDUIT SHALL BE SCH. 40 PVC. ANY CONDUIT BURIED WITH LESS THAN THE MINIMUM 30" COVER DEPTH SHALL BE ENCASED IN CONCRETE.
 - PROVIDE NEW NEMA3R CABINET, BLACK POWDER COAT FINISH, AS SPECIFIED. PROVIDE 6" THICK REINFORCED CONCRETE PAD WITH #4 REBAR AT 12" EW.
 - ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - PROVIDE 2 #6 THWN WITH #10 GND (LIGHTING) AND 3 #6 THWN WITH #10 GND (RECEPTACLES) IN 2" CONDUIT UNLESS OTHERWISE NOTED.





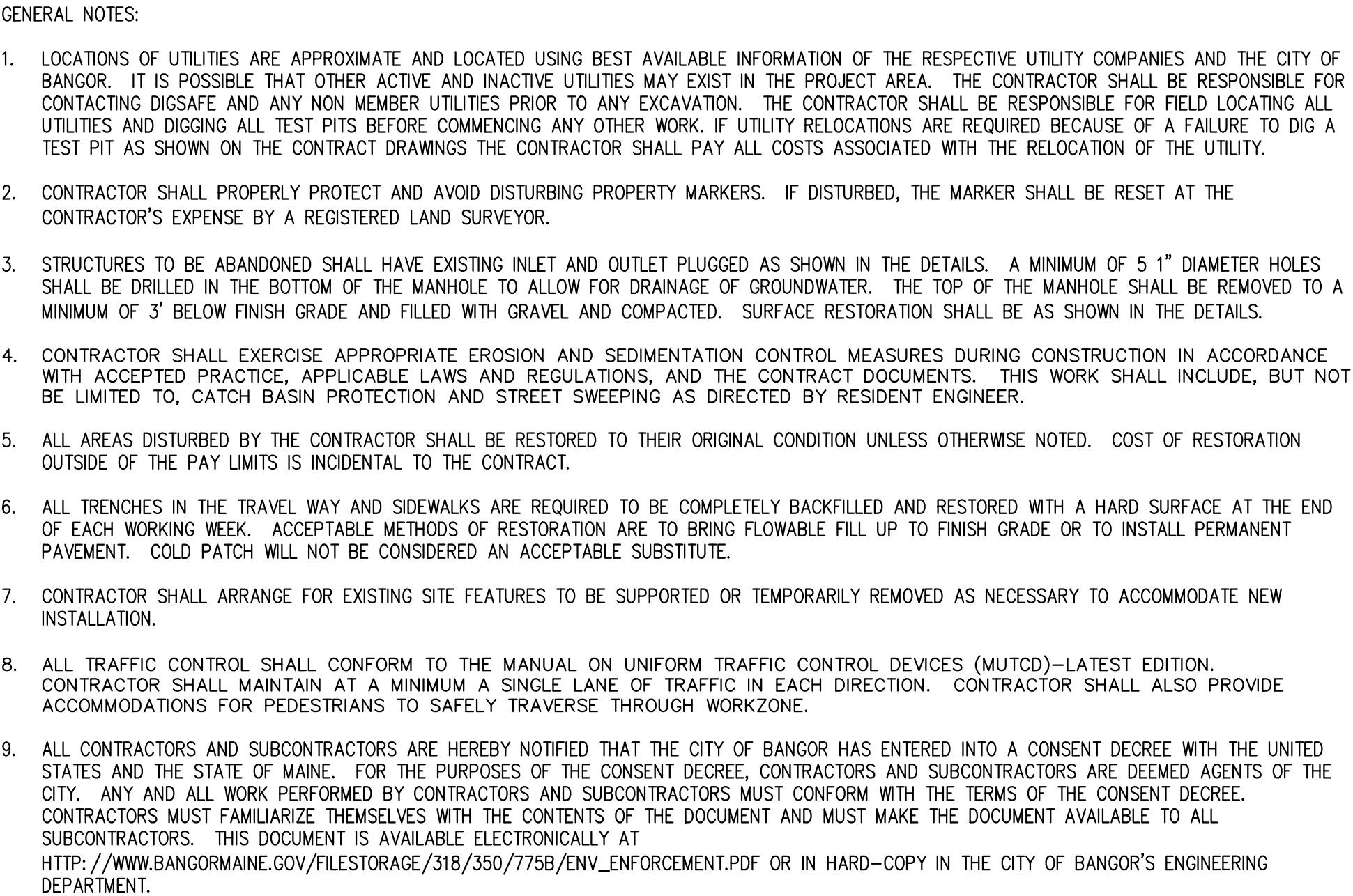
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PICKERING SQUARE IMPROVEMENTS
BANGOR, MAINE


SITE IMPROVEMENTS PLAN

Job No. _____
Sheet No. **C101**

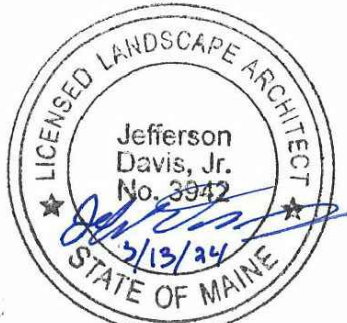


RAISE EX. CB TO GRADE
NEW RIM: 15.75' (EX. 15.07')
EX. 12" OUT: 9.5'
NEW 12" IN: 10'

MATCH EXISTING GRADE.
PROVIDE SMOOTH TRANSITION



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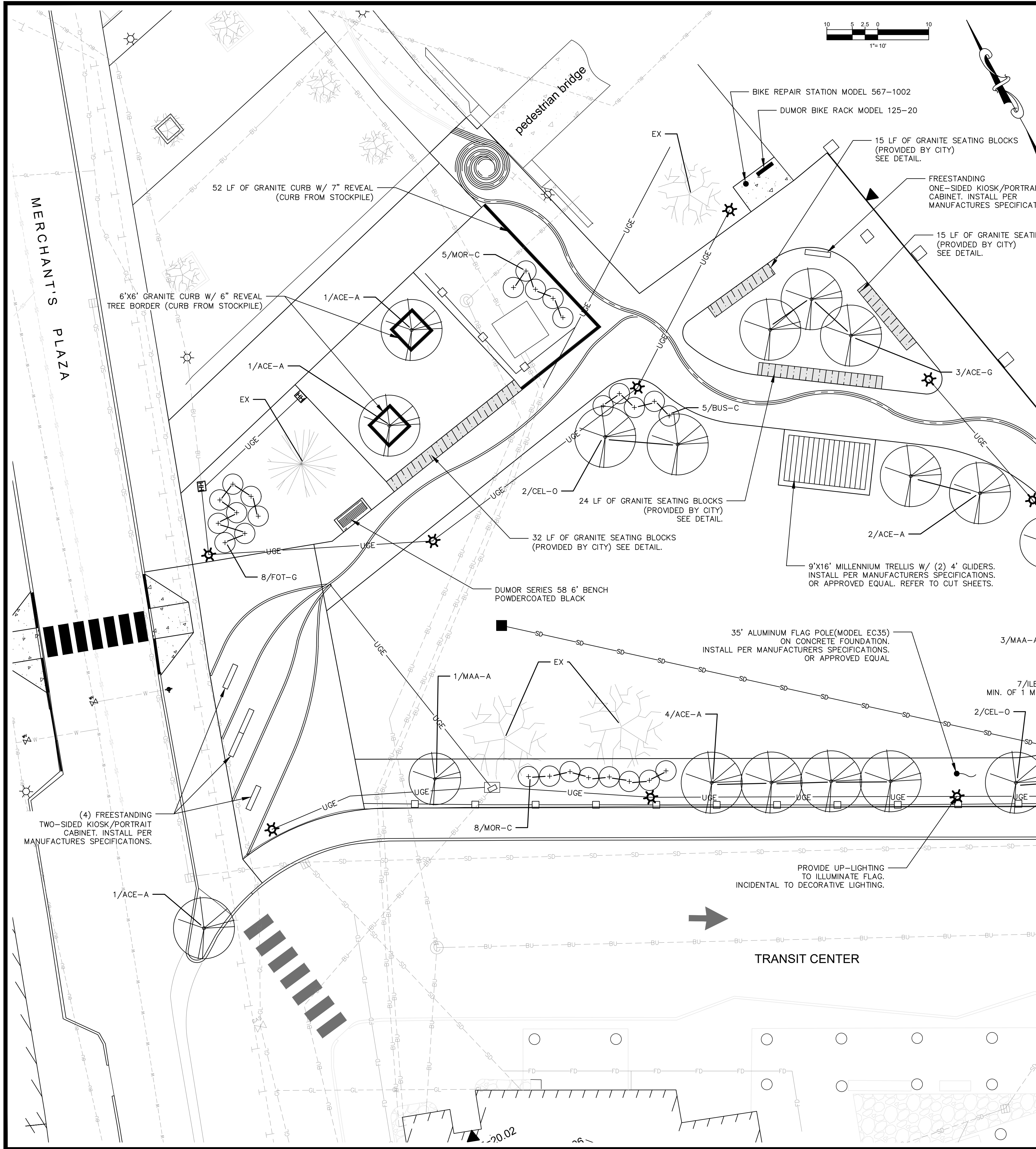
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| Date: 3/13/2024 SCALE: AS NOTED | | | | |

PICKERING SQUARE IMPROVEMENTS

GRADING / DRAINAGE PLAN

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| Job No. |
| Sheet No. |

C102



LANDSCAPING NOTES:

1. TREES MARKED "EX" SHALL BE PROTECTED THROUGHOUT CONSTRUCTION BY PLACING FENCING AT THE DRIPLINE OF THE SUBJECT TREE OR TREE GROUP CANOPY. DRIPLINES EXTENDING OVER PAVED AREA SHALL BE IDENTIFIED BY A BARRICADE. WORK WITHIN THE PROTECTED AREA SHALL BE DONE BY HAND/HANDTOOLS WITH CARE TAKEN TO MINIMIZE DISTURBANCE OF THE ROOT STRUCTURE OF TREES TO REMAIN
2. ALL PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE IN THE NURSERY OR BY PHOTOGRAPHS SUBMITTED OF THE PROPOSED MATERIAL PRIOR TO PURCHASE. PLANT MATERIAL SHALL BE INSPECTED ONCE RECEIVED ON-SITE FOR COMPLIANCE WITH SPECIFICATIONS.
3. ALL PLANT MATERIAL SHALL BE HEALTHY AND FULL-BRANCHING, TRUE TO FORM AND SPECIFIED SIZE, FREE OF DISEASE, PESTS AND PHYSICAL DAMAGE. PLANTS WILL BE IN ACCORDANCE WITH THE CURRENT AMERICAN ASSOCIATION OF NURSERYMAN'S STANDARDS AND CONFORM IN GENERAL TO REPRESENTATIVE SPECIES.
4. SPECIFIED PLANT MATERIAL MAY ONLY BE SUBSTITUTED BY THE USE OF AN ALTERNATE, SIMILAR PLANT MATERIAL, ONLY WITH APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
5. THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
6. PLANTS SHALL BE PRESERVED IN A HEALTHY AND VIGOROUSLY GROWING CONDITION TO INSURE THEIR SUCCESSFUL ESTABLISHMENT. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION. ALL DEAD AND NON-VIGOROUS MATERIAL SHALL BE REPLACED IN KIND, WITHOUT COST TO THE OWNER, REPLACEMENT PLANTS SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER OR OWNER'S REPRESENTATIVE.
7. LOAM, ORGANIC MATERIAL AND FERTILIZER MIX FOR USE AS PLANTING MIX SHALL BE THOROUGHLY PREMIXED IN THE FOLLOWING PROPORTIONS UNLESS DIRECTED OTHERWISE:
 - A. ONE CUBIC YARD OF ACCEPTED LOAM
 - B. 2 TO 3 CUBIC FEET OF WELL ROTTED COW MANURE
 - C. 4 CUBIC FEET OF SPHAGNUM PEAT MOSS
 - D. 10 POUNDS OF FERTILIZER (MINIMUM 35% WATER INSOLUBLE (WN)
 - E. 12 POUNDS OF DOLOMITIC LIMESTONE.
8. MULCH SHALL BE 2" DEEP MIN. FOR ALL PLANTS; COLOR TO BE APPROVED BY OWNER.
9. ALL NEW TREES SHALL HAVE TREGATOR ORIGINAL SLOW-RELEASE WATERING BAGS. INSTALLED AND FILLED PER MANUFACTURERS SPECIFICATIONS.
9. PLANTING AREA FOR GROUPINGS OF PLANTS SHALL BE PREPARED AND MULCHED TO FORM ONE CONTINUOUS PLANTING BED.
10. PLANTING SEASONS - SEASONS FOR PLANTING, UNLESS OTHERWISE DIRECTED, SHALL BE WITHIN THE FOLLOWING DATES:
APRIL 1 OR WHEN THE FROST LEAVES THE GROUND UNTIL JULY 1, AND FROM SEPTEMBER 1 UNTIL NOVEMBER 1.

PLANT SCHEDULE

| SYMBOL | BOTANICAL NAME | COMMON NAME | QTY. | SIZE | REMARKS |
|--------------|---------------------------------------|-------------------------------|------|------------|----------|
| CANOPY TREES | | | | | |
| ACE-A | <i>Acer x fremanii 'Armstrong'</i> | ARMSTRONG MAPLE | 9 | 2-1/2" CAL | B&B |
| ACE-G | <i>Acer Griseum</i> | PAPERBARK MAPLE | 3 | 2-1/2" CAL | B&B |
| CEL-O | <i>Celtis occidentalis</i> | COMMON HACKBERRY | 4 | 2-1/2" CAL | B&B |
| MAA-A | <i>Maackia amurensis</i> | SUMMERTIME AMUR MAACKIA | 4 | 2-1/2" CAL | B&B |
| MAG-S | <i>Magnolia stellata 'Centennial'</i> | CENTENNIAL STAR MAGNOLIA | 3 | 2-1/2" CAL | B&B |
| SHRUBS | | | | | |
| BUS-C | <i>Dasiphora fruticosa</i> | BUSH CINQUEFOIL | 12 | #3 | CONT. |
| FOT-G | <i>Fothergila gardenii</i> | DWARF FOTHERGILLA | 8 | #5 | CONT. |
| MOR-C | <i>Morella carolinensis</i> | NORTHERN BAYBERRY | 13 | 24"-30" | #5 CONT. |
| ILE-V | <i>Ilex verticillata 'Nano'</i> | WINTERBERRY 'NANA' RED SPRITE | 7 | 24"-30" | #5 CONT. |

EX DENOTES EXISTING TREE. PROTECT THROUGHOUT CONSTRUCTION.

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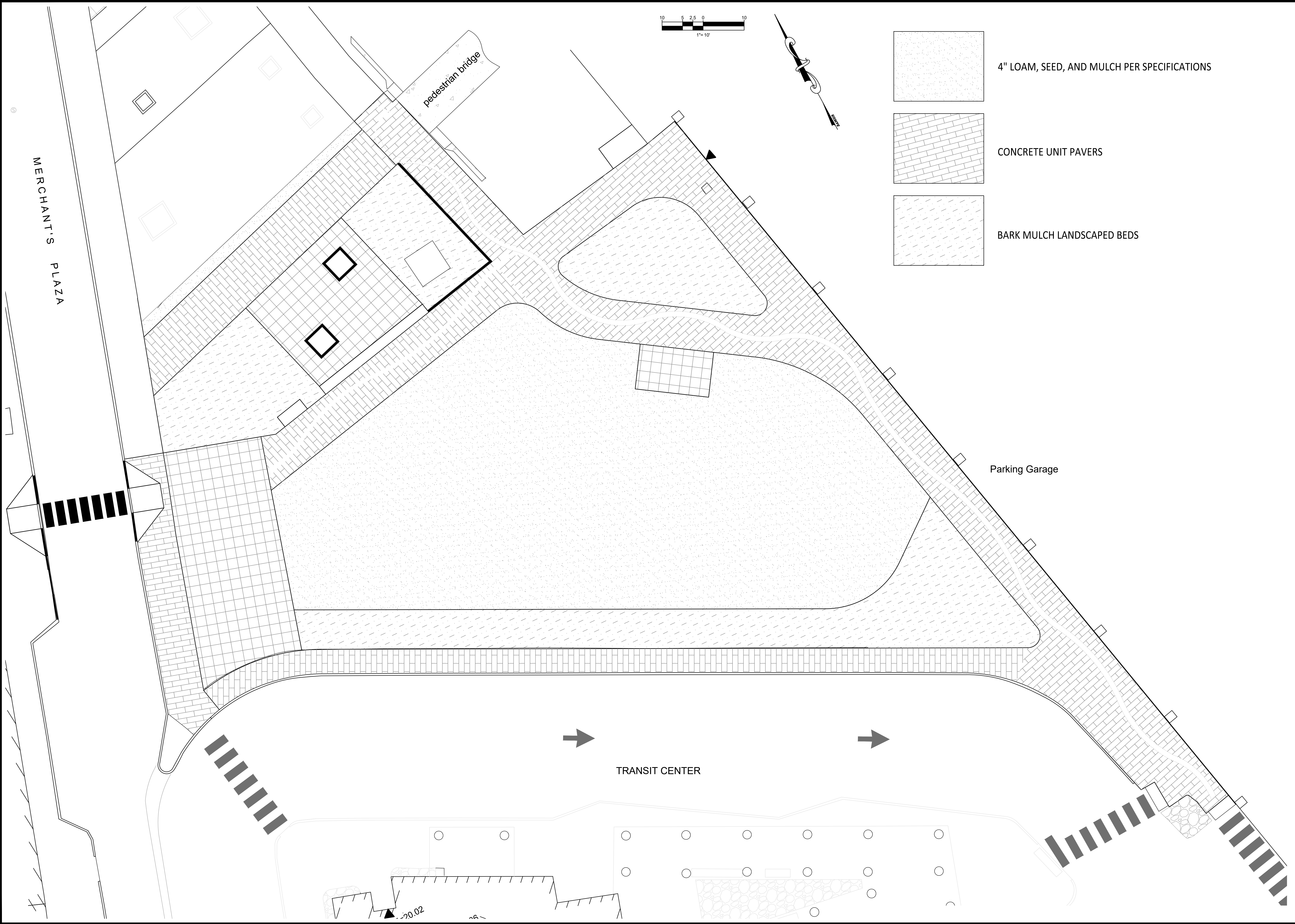
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PICKERING SQUARE IMPROVEMENTS
BANGOR, MAINE

LANDSCAPING / AMENITIES PLAN

Job No.
Sheet No.

L100



Job No.

Sheet No.

L101

PICKERING SQUARE IMPROVEMENTS
BANGOR, MAINE

LANDSCAPE SURFACE MEDIA

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COORD./DATE: NAD83/88


No.


Date

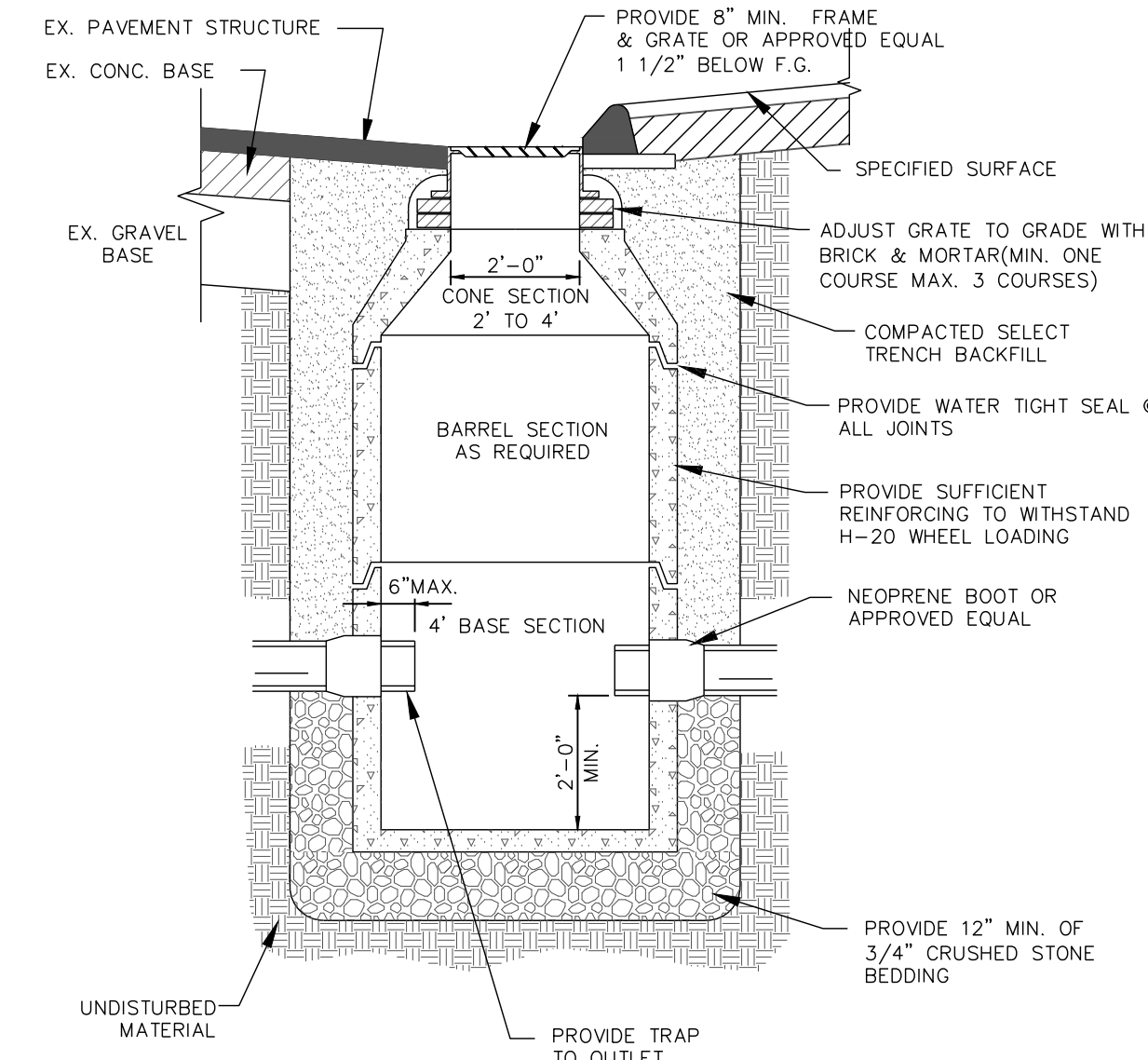
Revision

SCALE: AS NOTED

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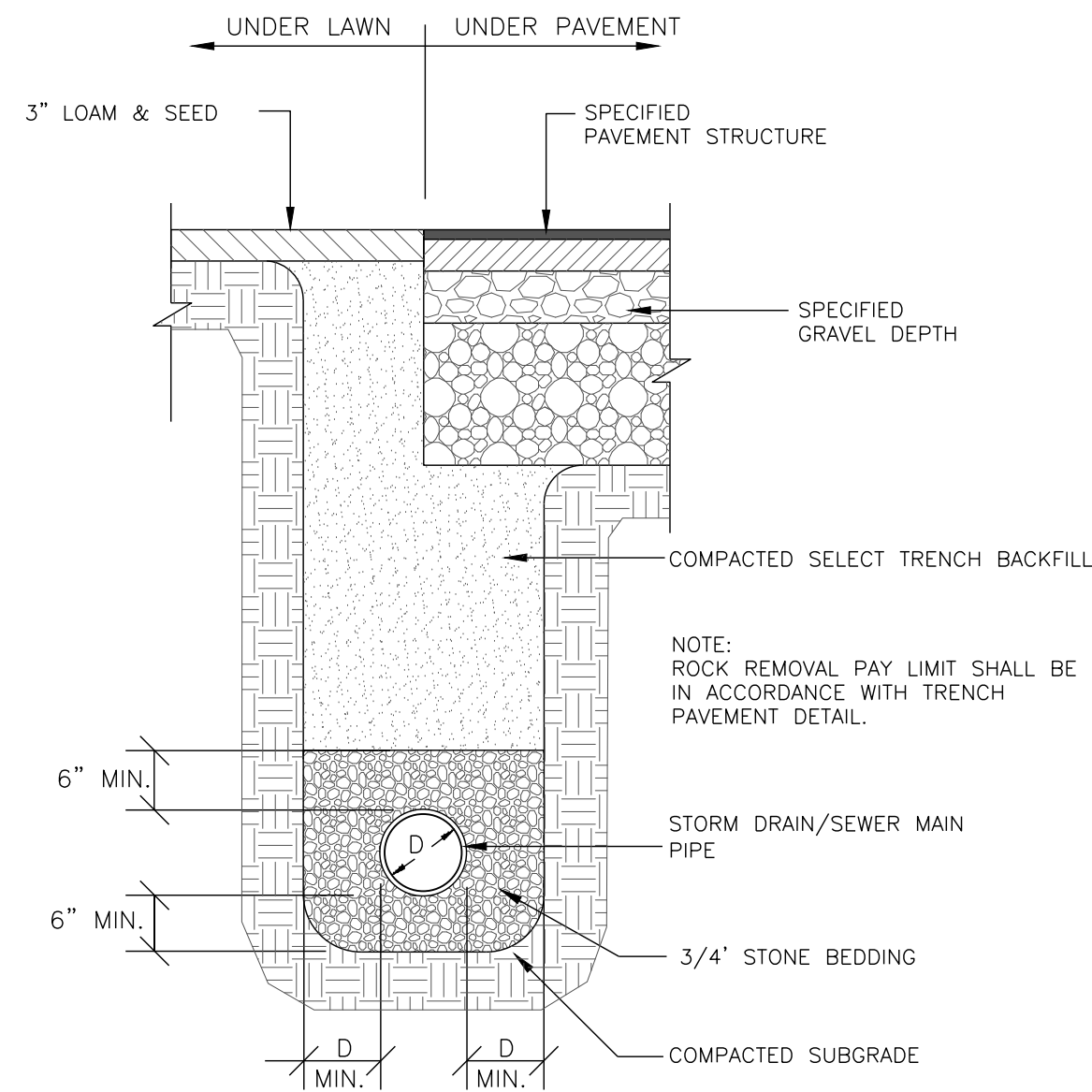
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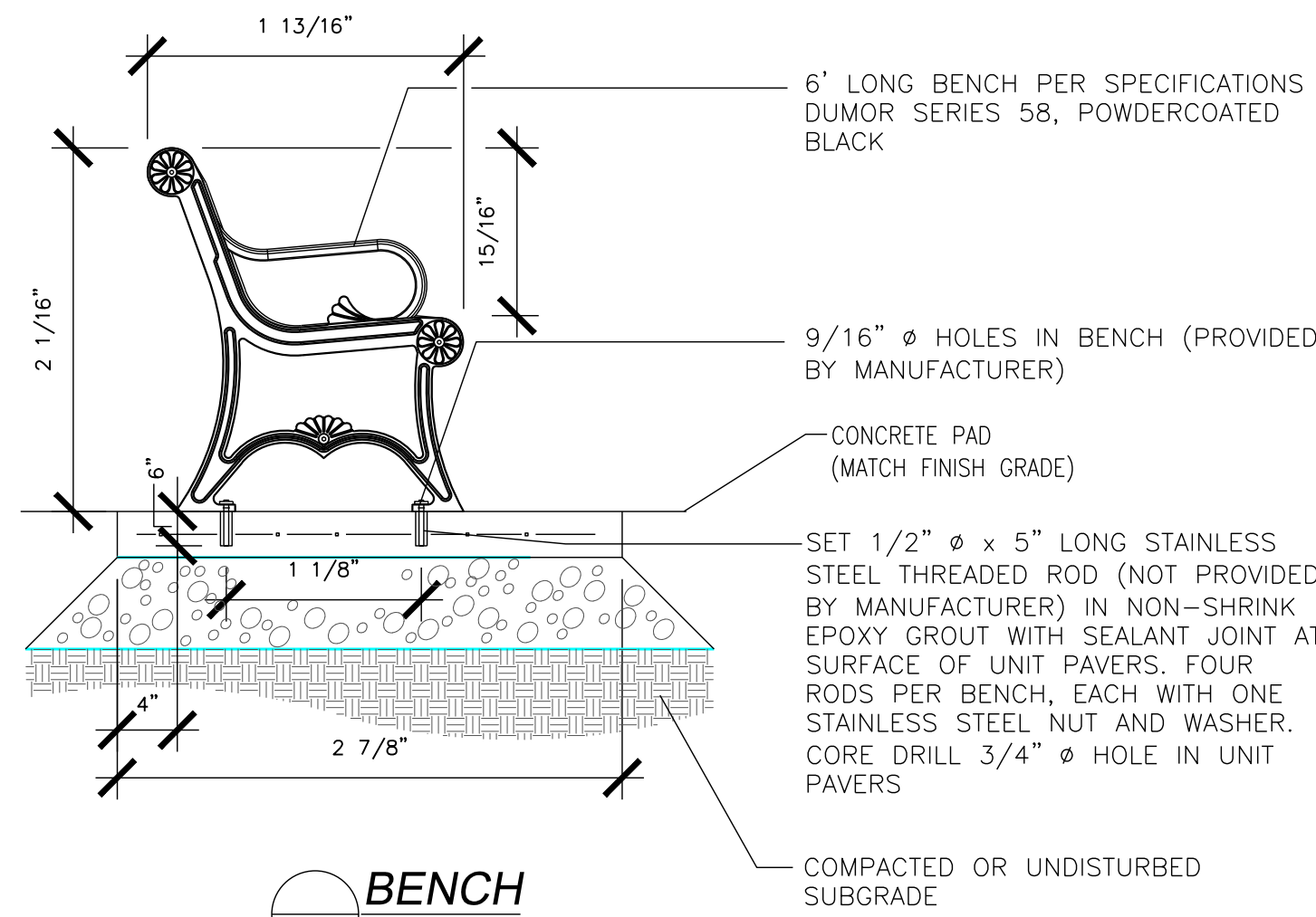


PRECAST STANDARD CATCHBASIN
NOT TO SCALE

NOTES:
1. ANY ABANDONED TROLLEY TRACKS ENCOUNTERED MUST BE SAWCUT PRIOR TO EXCAVATION.



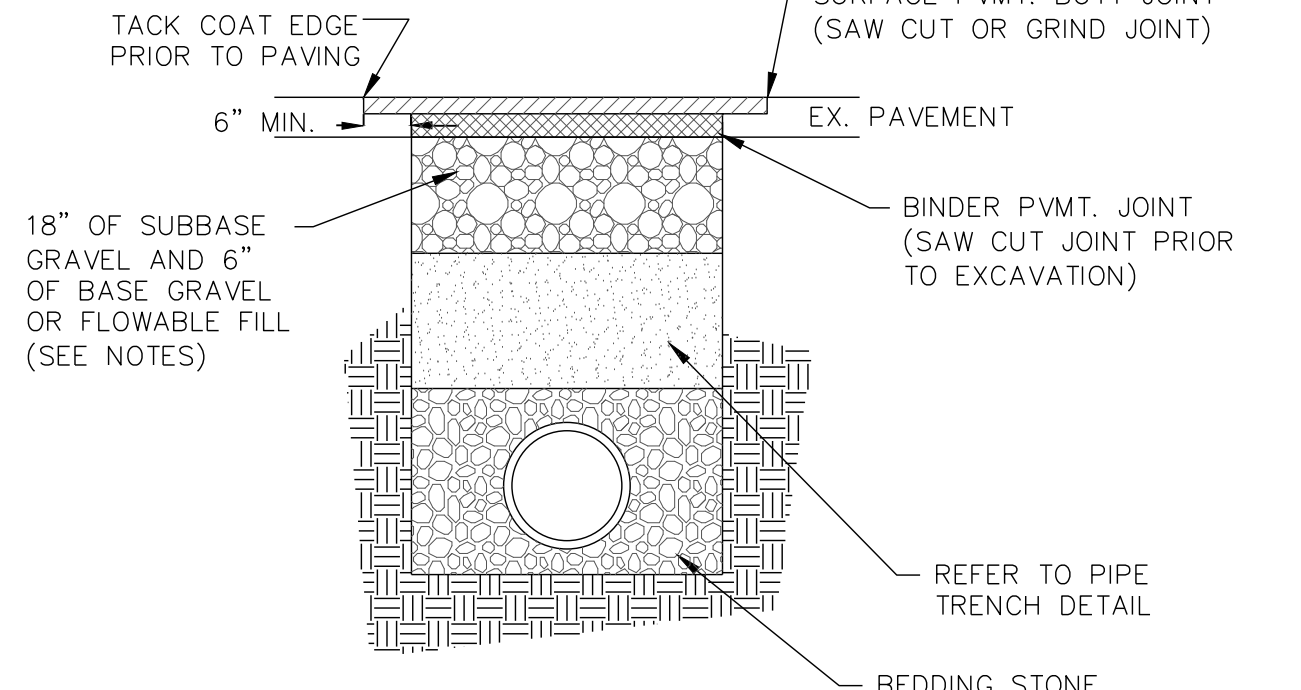
TYPICAL SEWER/STORM PIPE TRENCH DETAIL
NOT TO SCALE



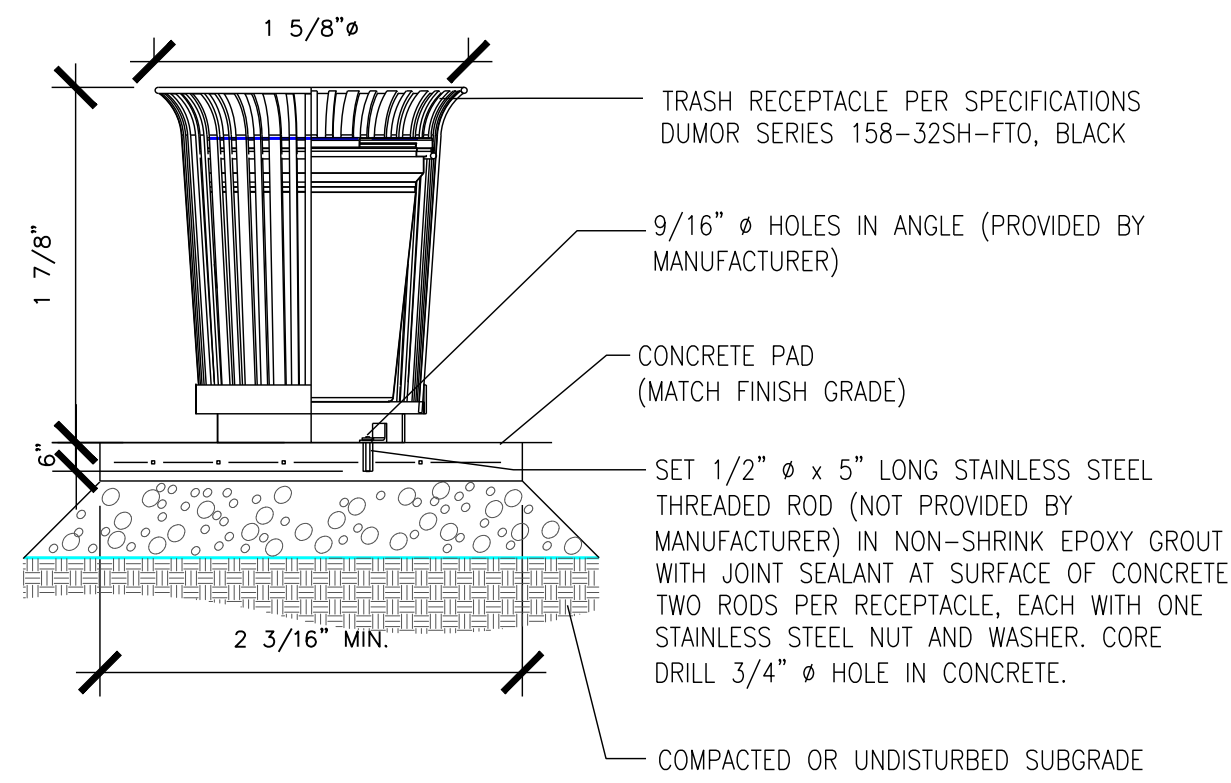
BENCH
NOT TO SCALE

| TRENCH PAY LIMITS: | |
|--------------------|----------------|
| PIPE Ø | MAX. PAY WIDTH |
| 18\" | 8'-0" |
| 24\" | 12'-0" |
| 30\" | 16'-0" |
| 36\" | 20'-0" |
| 42\" | 24'-0" |

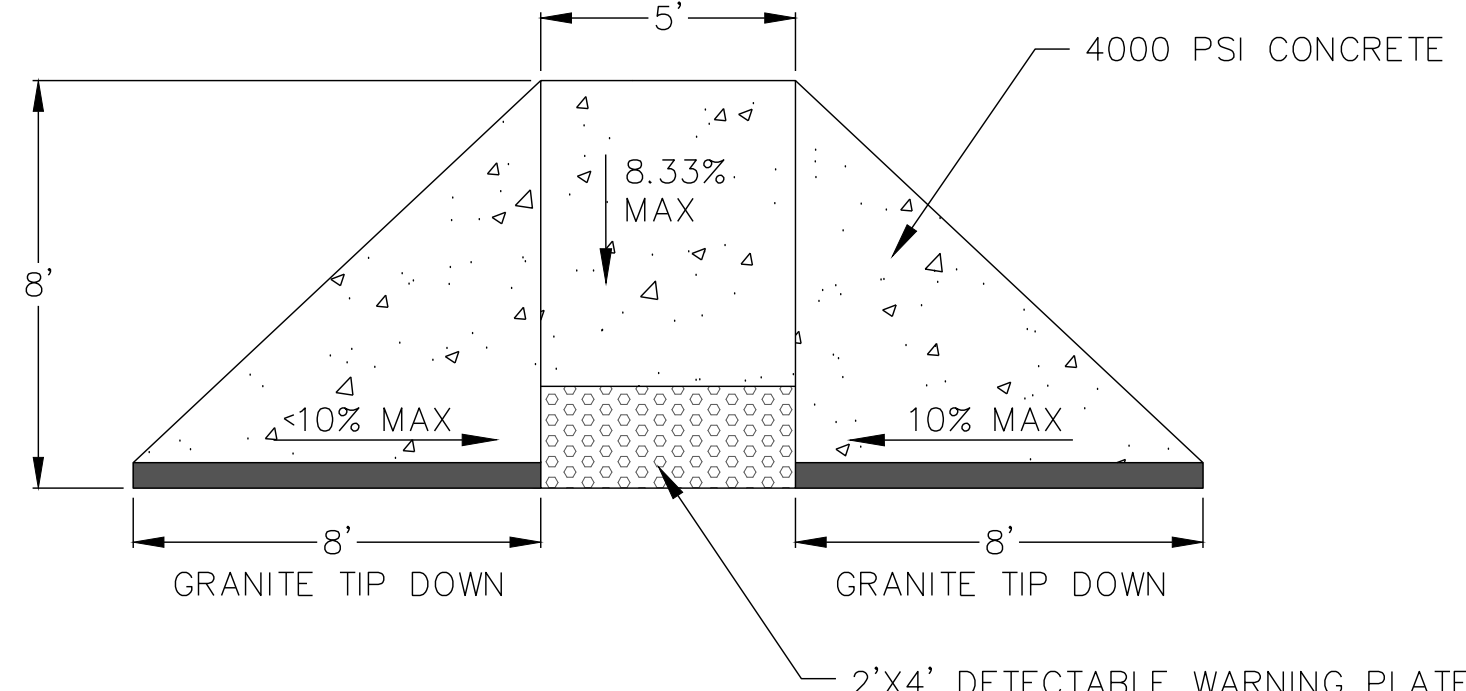
| STRUCTURE Ø | | MAX. PAY WIDTH |
|-------------|--|----------------|
| 4' OR 6' | | 12'-0" |
| 8' OR 10' | | 24'-0" |



TRENCH PAVEMENT DETAIL
NOT TO SCALE

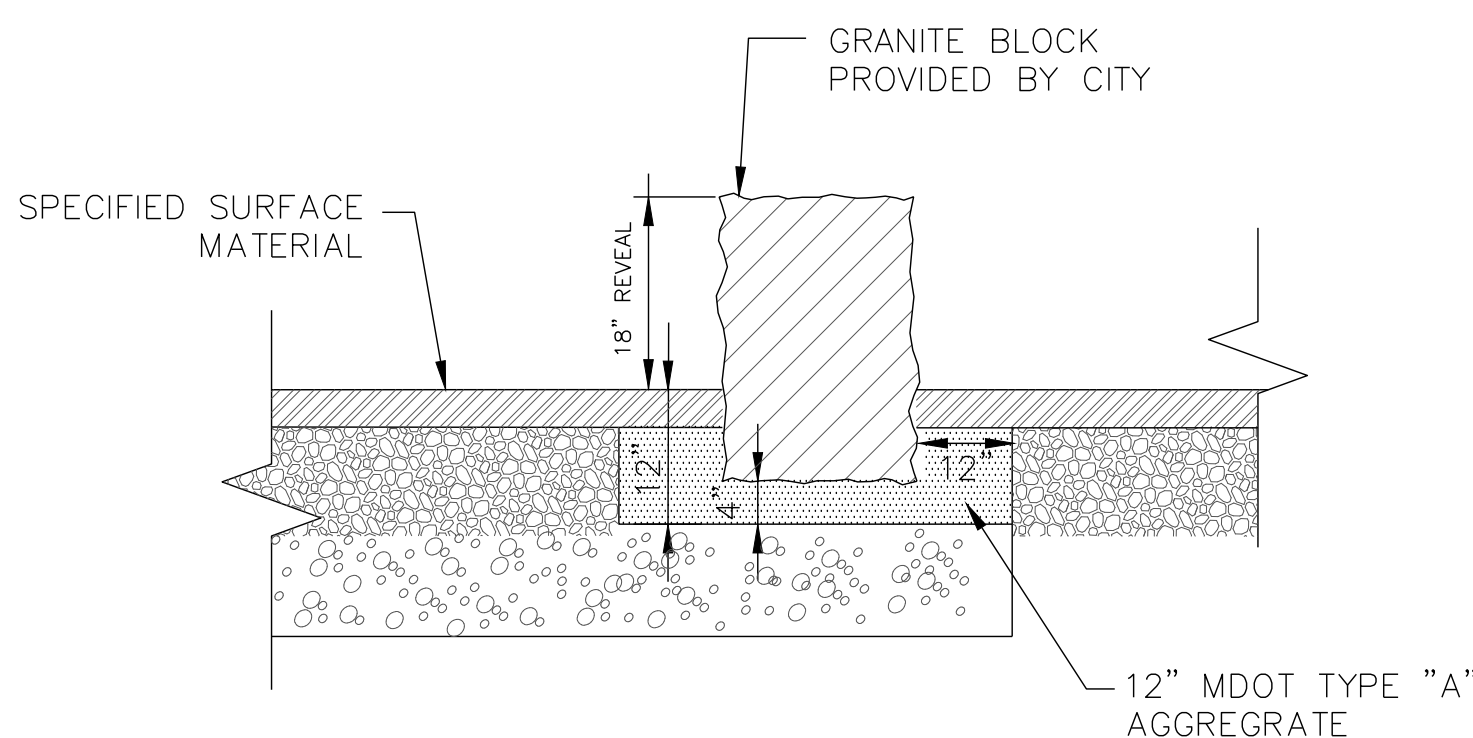


TRASH RECEPTACLE
NOT TO SCALE

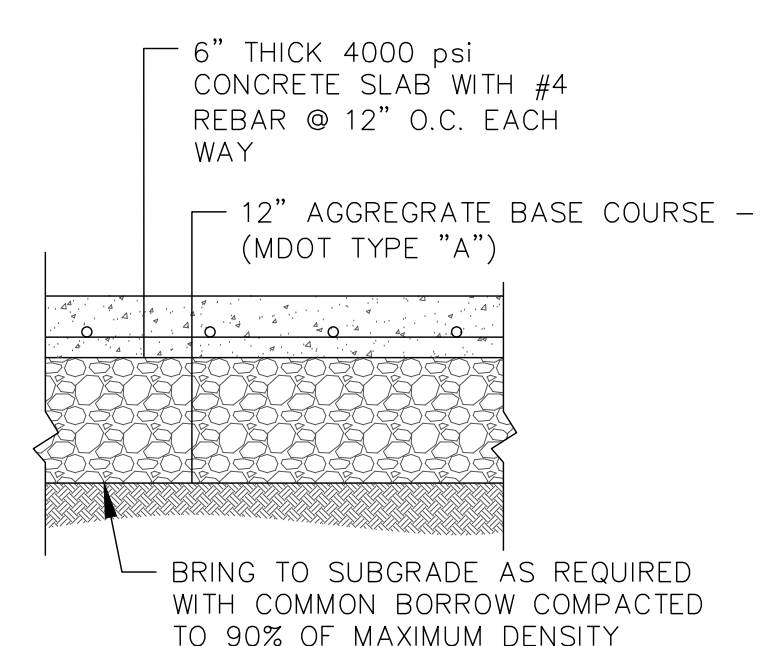


ADA CONCRETE RAMP
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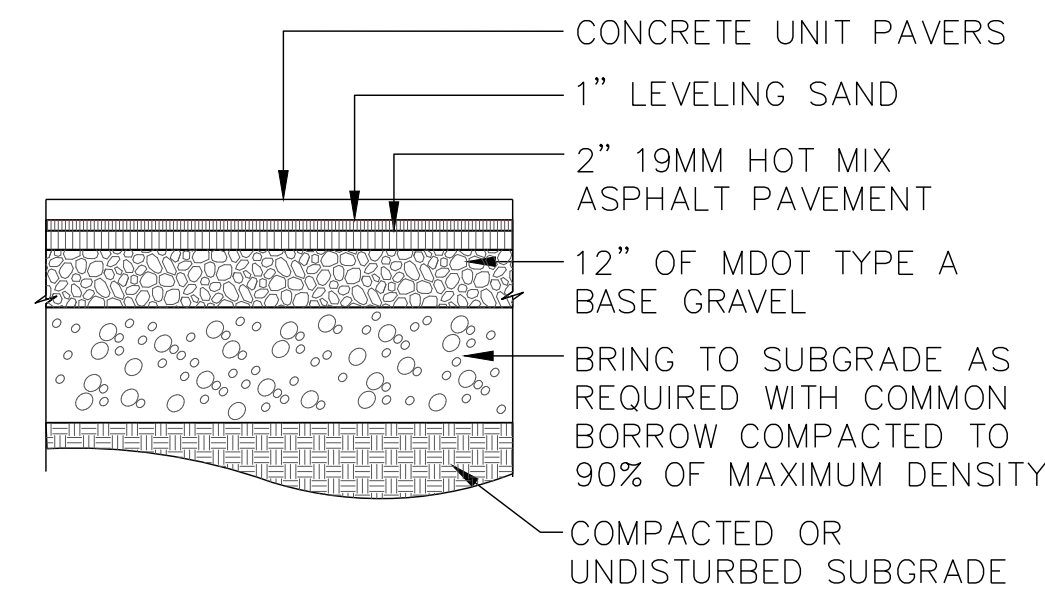
NOTES:
1. STONES SHALL FIT TIGHTLY TOGETHER. REVEAL AND TOP WIDTH OF STONES SHALL BE WITHIN 1/2\"/>



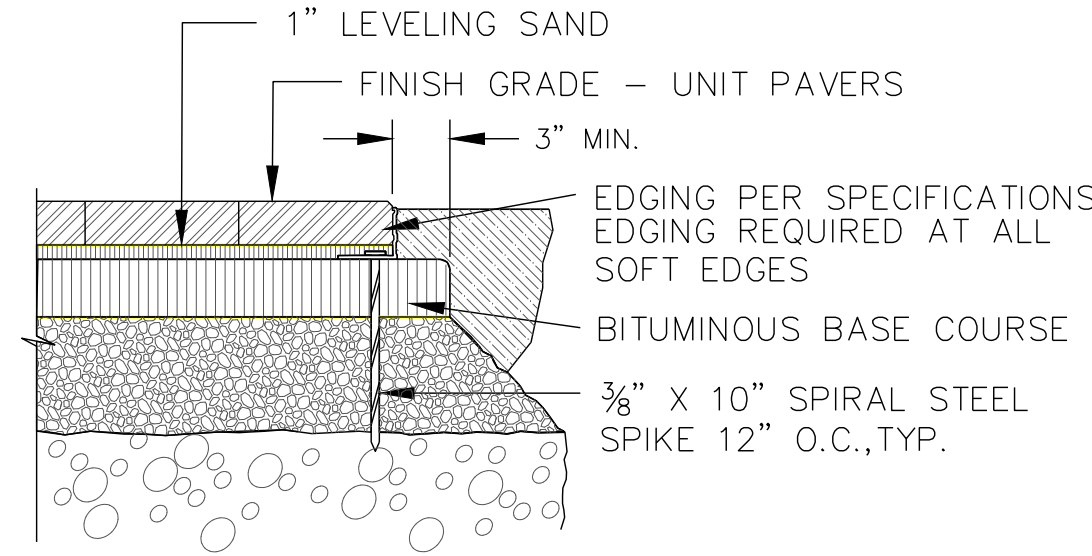
GRANITE SEATING BLOCK
NOT TO SCALE



CONCRETE PAD
NOT TO SCALE

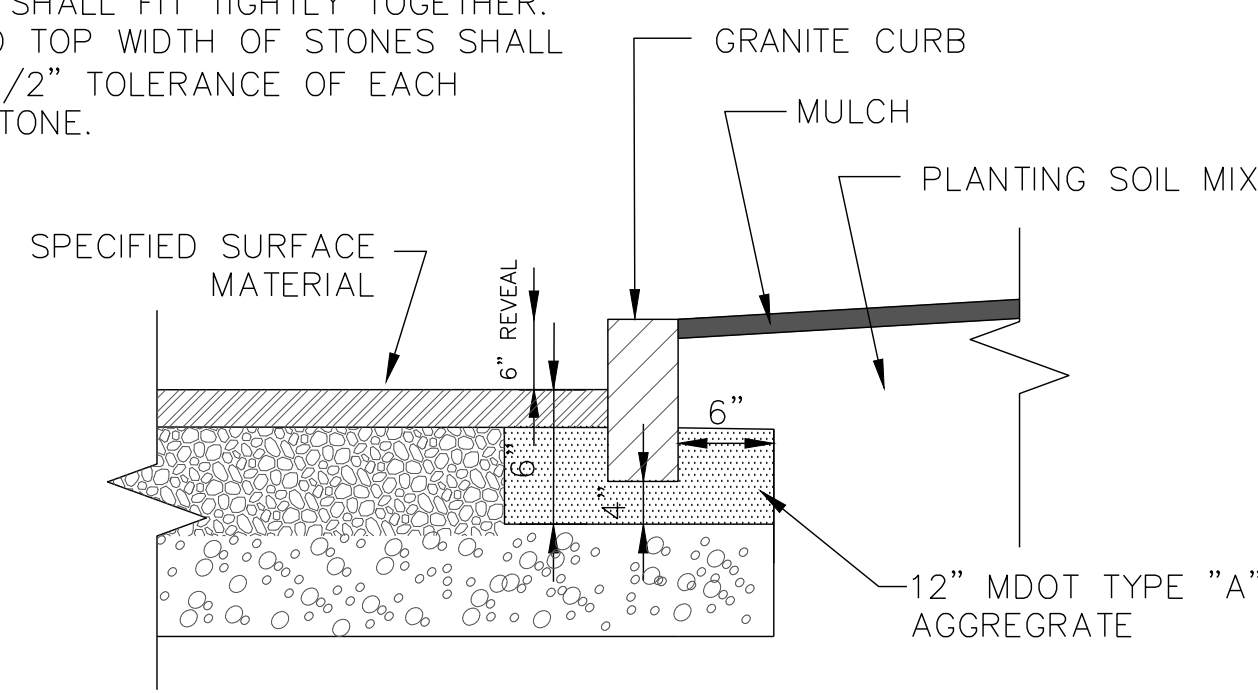


CONCRETE OR GRANITE UNIT PAVERS ON BITUMINOUS BASE
NOT TO SCALE

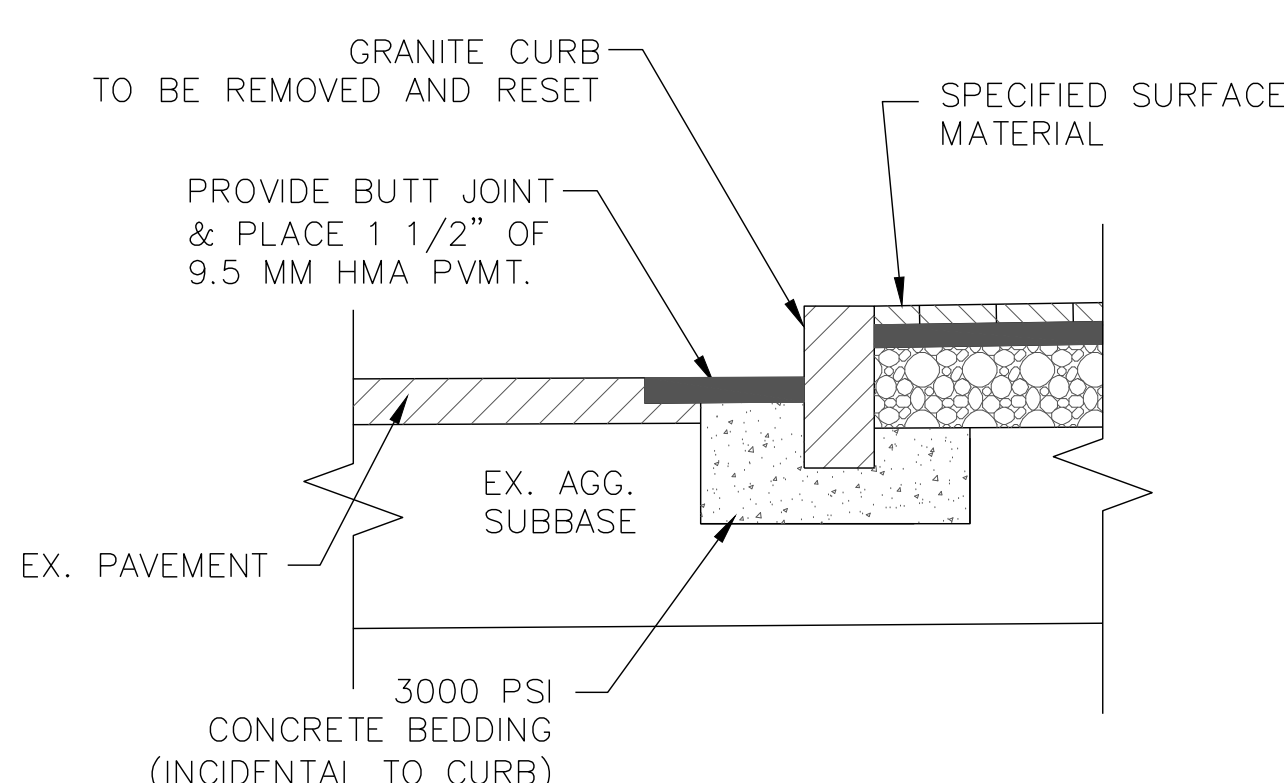


EDGE CONDITION AT UNIT PAVERS ON BITUMINOUS BASE
NOT TO SCALE

NOTES:
1. STONES SHALL FIT TIGHTLY TOGETHER. REVEAL AND TOP WIDTH OF STONES SHALL BE WITHIN 1/2\"/>



GRANITE CURB TREE BORDER
NOT TO SCALE



GRANITE CURB
NOT TO SCALE

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STATE OF MAINE

| Revision | Date | No. |
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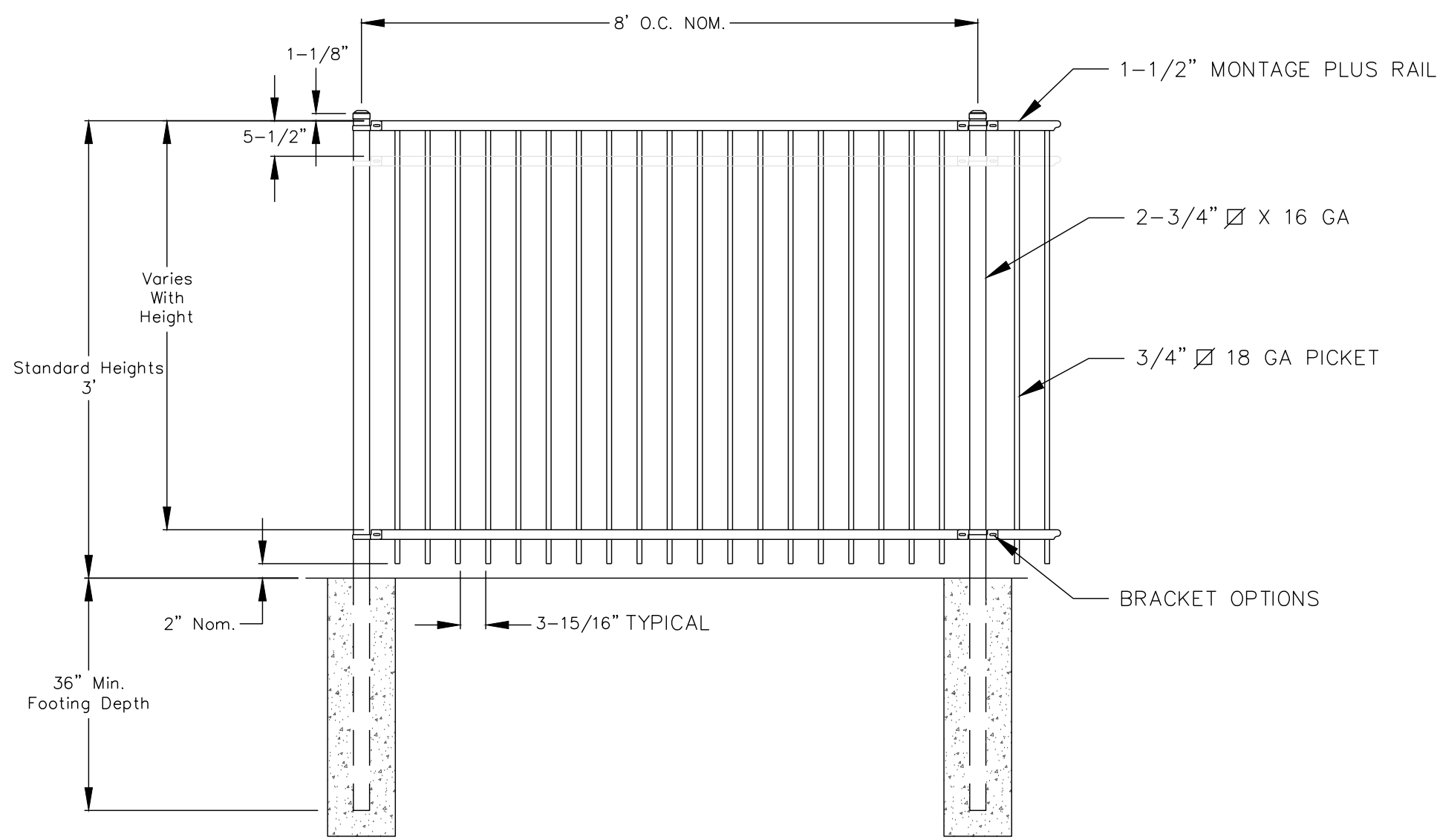
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COORD./DATE: NAD83/88

Date: 3/13/2024
SCALE: AS SHOWN

PICKERING SQUARE IMPROVEMENTS
BANGOR, MAINE

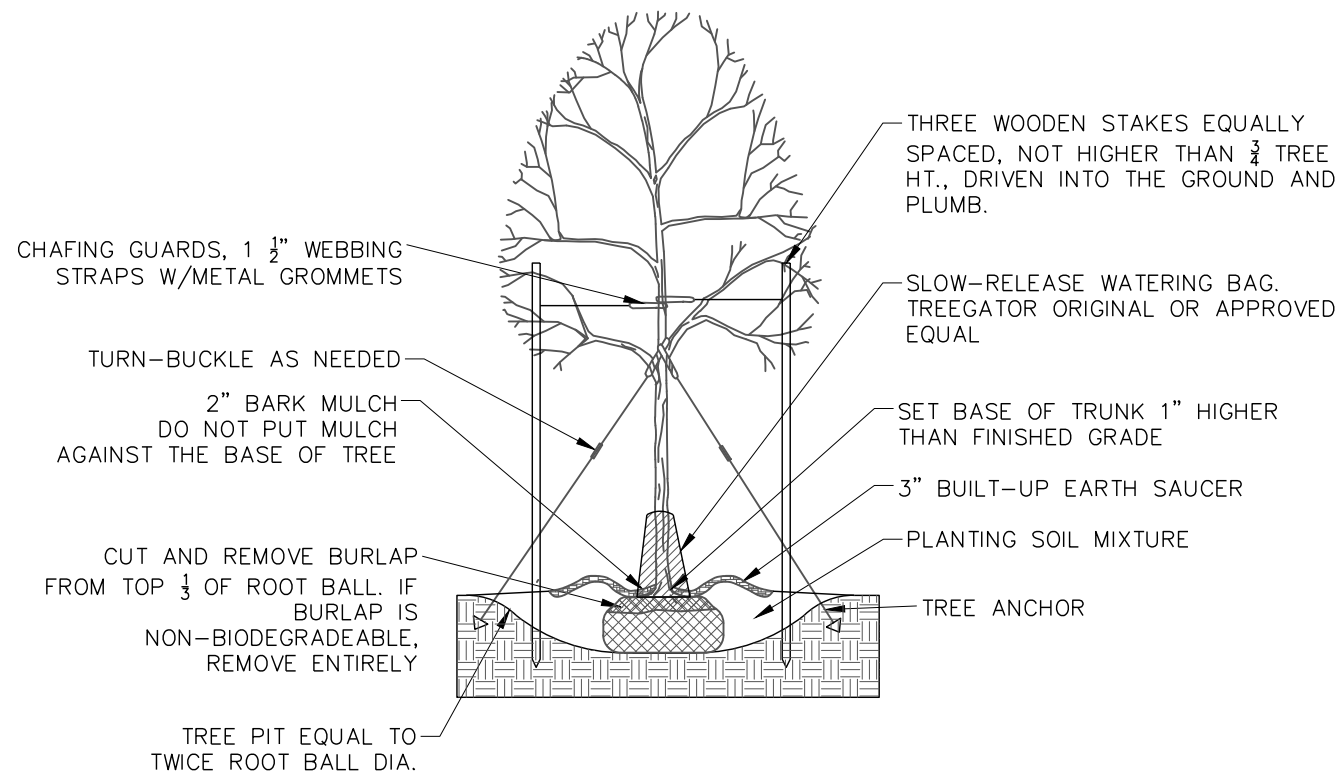
DETAILS

Job No. _____
Sheet No. **D1**

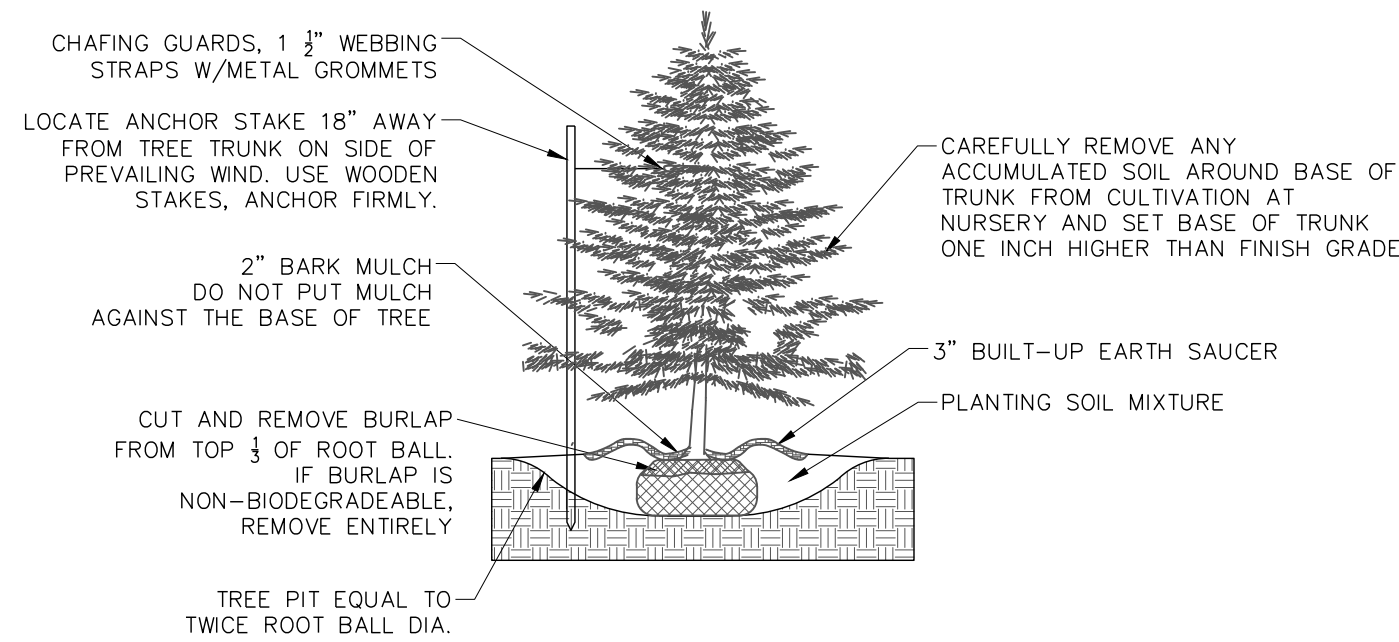


- NOTES:
1. POST SIZE DEPENDS ON FENCE HEIGHT AND WIND LOADS. SEE MANUFACTURERS SPECIFICATIONS FOR POST SIZING CHART.
 2. FENCE AVAILABLE FROM AMERISTAR. WWW.AMERISTARFENCE.COM

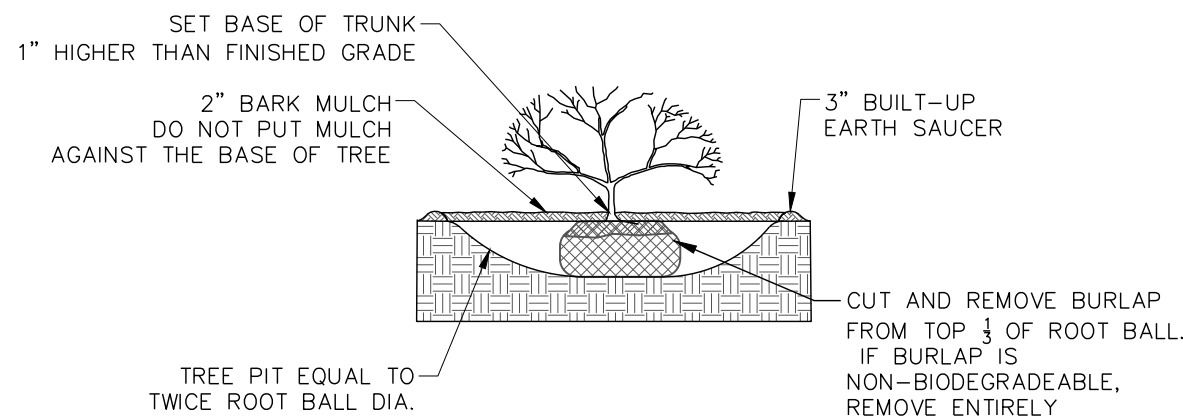
3' HIGH MONTAGE PLUS MAJESTIC 2/3 DECORATIVE RAIL
NOT TO SCALE



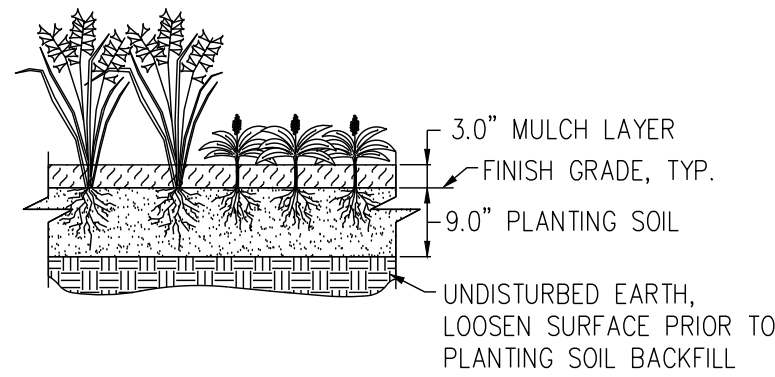
DECIDUOUS TREE PLANTING
NO SCALE



EVERGREEN TREE PLANTING
NO SCALE



SHRUB PLANTING
NO SCALE

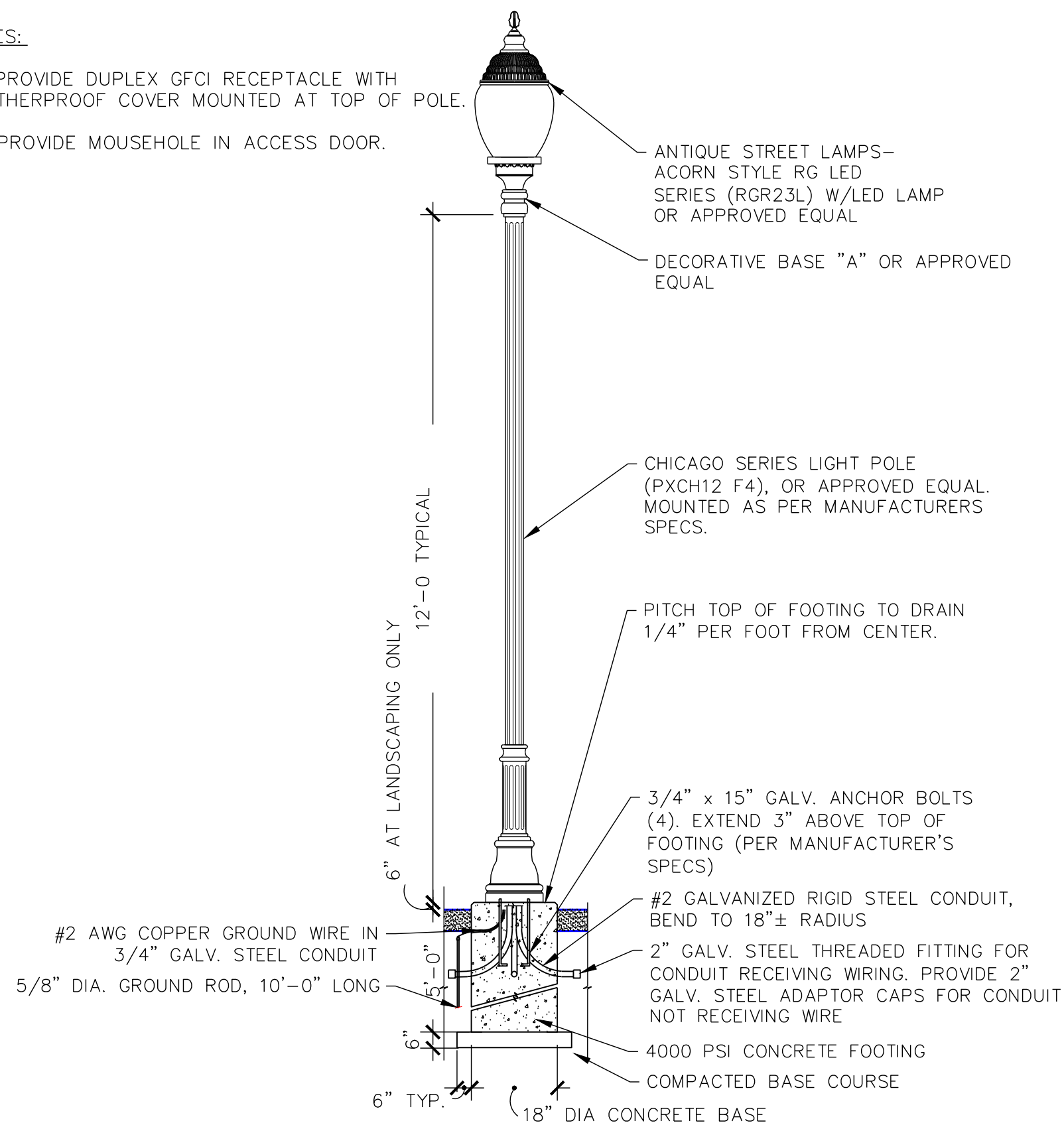


GROUNDCOVERS & PERENNIALS PLANTING
NO SCALE

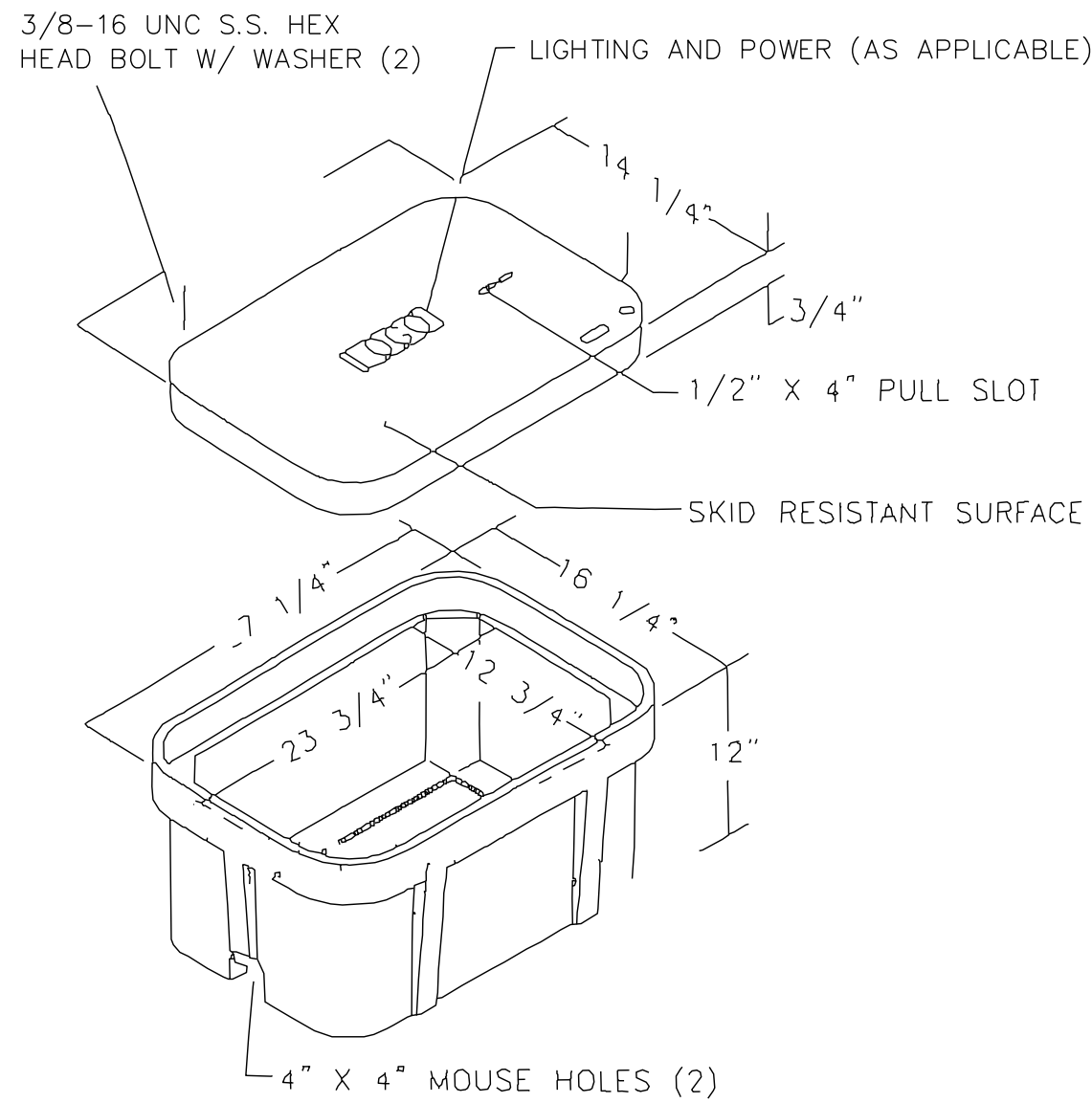
PLANTING DETAILS
NOT TO SCALE

NOTES:

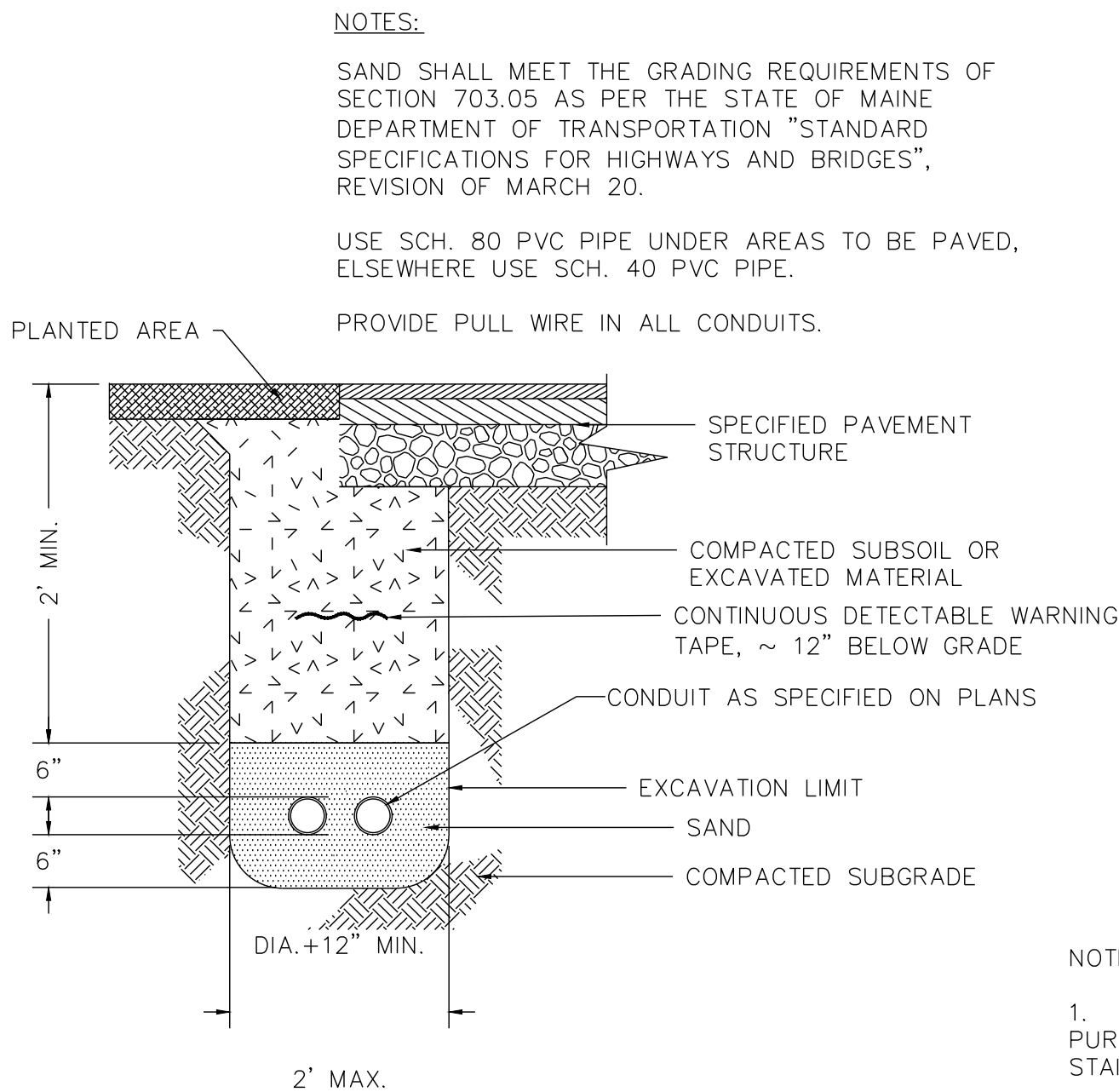
1. PROVIDE DUPLEX GFCI RECEPTACLE WITH WEATHERPROOF COVER MOUNTED AT TOP OF POLE.
2. PROVIDE MOUSEHOLE IN ACCESS DOOR.



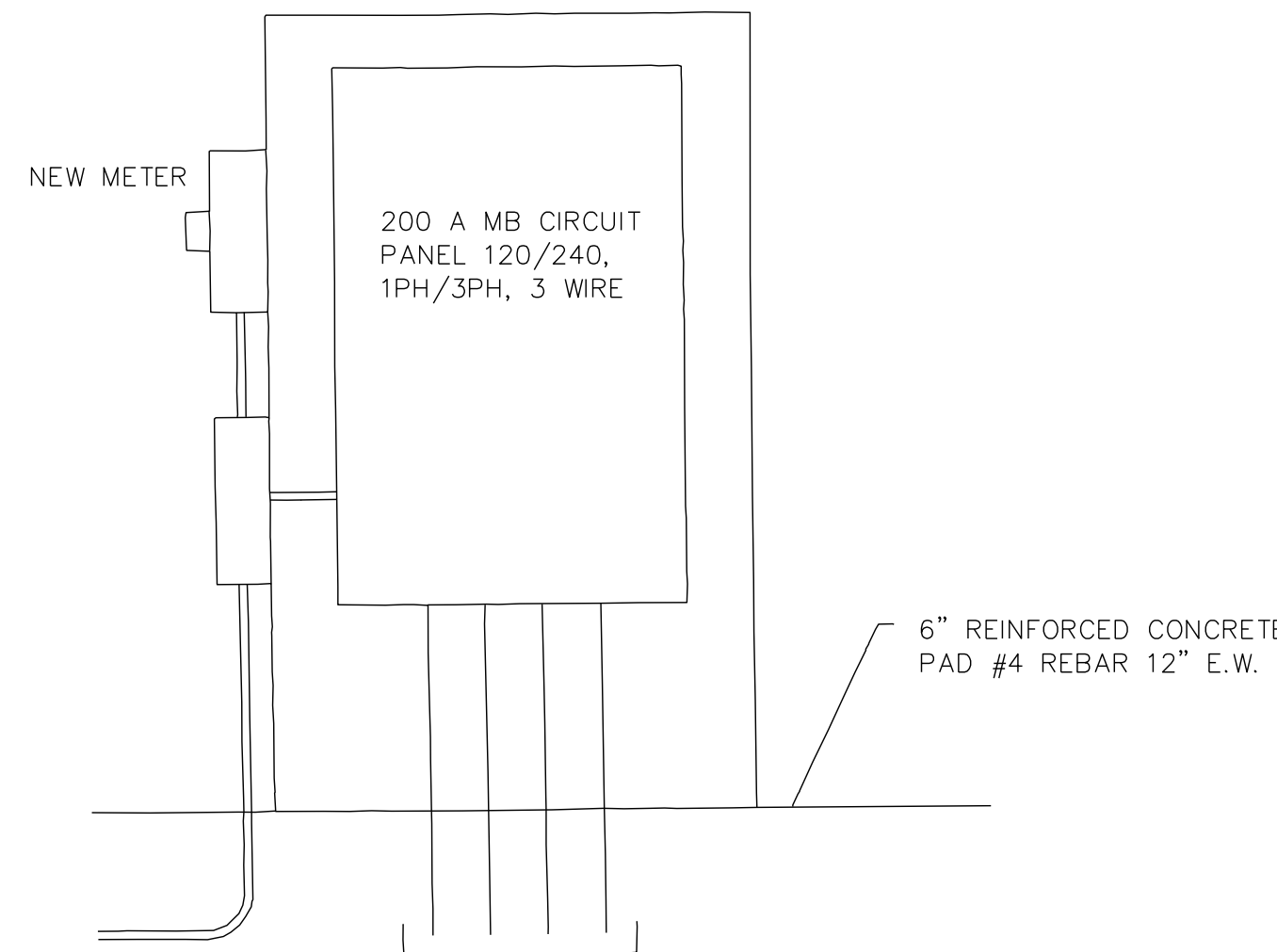
TYPICAL LIGHT DETAIL
NOT TO SCALE



ELECTRICAL HANDHOLE
NOT TO SCALE



ELECTRICAL TRENCH SECTION
NOT TO SCALE



- NOTES:
1. CABINET SHALL INCLUDE PHOTO CELL MOUNTED ABOVE PANEL, GENERATOR RECEPTACLE, DEFINITE PURPOSE CONTACTOR, TWO DUPLEX GFCI OUTLETS WITH WEATHERPROOF COVERS, BACKPLATE, PANEL, STAINLESS STEEL PADLOCKABLE HANDLE, AND ALL APPURTENANCES TO PROVIDE A COMPLETE UNIT,

ELEVATION VIEW PANEL
NOT TO SCALE

| DESIGNED BY: | DATE: | NO. | REVISION |
|--------------|-----------|-----|----------------|
| — | 3/15/19 | 1 | PER ADDENDUM 1 |
| DRAWN BY: | 3/26/19 | 2 | PER ADDENDUM 2 |
| CHECKED BY: | — | — | — |
| APPROVED BY: | JMT | — | — |
| COORD./DATE: | NA083/88 | — | — |
| Date: | 3/13/2024 | — | — |

SCALE: AS SHOWN