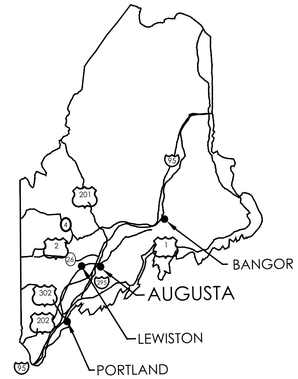
Stantec

STATE OF MAINE
BUREAU OF GENERAL SERVICES

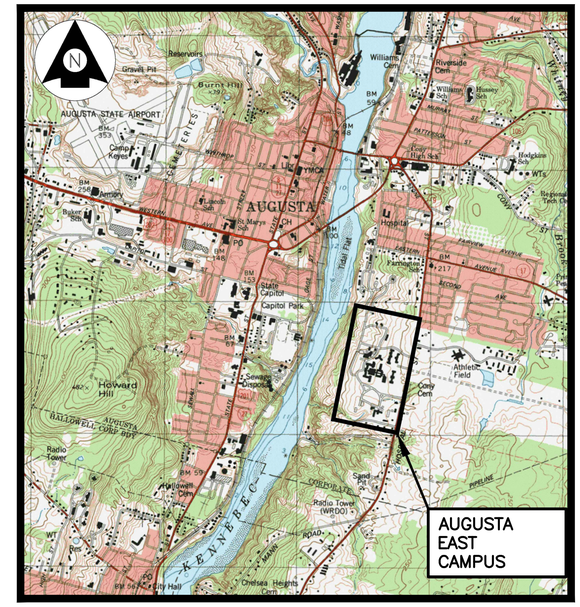
EAST CAMPUS INFRASTRUCTURE IMPROVEMENTS

AUGUSTA, MAINE

PREPARED FOR:
CITY OF AUGUSTA DEVELOPMENT REVIEW



LOCATION MAP



VICINITY MAP
NOT TO SCALE

STATE OF MAINE
DAVID P NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

JULY, 2015
STANTEC Project Number: 195210829

INDEX OF SHEETS

SHEET NO.	TITLE
G-001	Title Sheet
G-002	General Notes and Legend
C-001	General Site Plan
C-101	Layout Plan, Lot No. 7E and 7F
C-102	Layout Plan, Lot No. 3D
C-103	Layout Plan, Sidewalk Additions and Campbell Barn Improvements
C-104	Layout Plan, Lot No. 1 and 1A
C-201	Grading Plan, Lot No. 7E and 7F
C-202	Stormdrain Outfall Plan
C-203	Grading Plan, Lot No. 3D
C-204	Grading Plan, Sidewalk Additions and Campbell Barn Improvements
C-205	Miscellaneous Profiles Ray Building Sidewalks
C-206	Grading Plan, Lot No. 1 and 1A
C-501	Civil Details
C-502	Civil Details
C-503	Civil Details
C-504	Civil Details
C-601	Erosion Control Notes
C-602	Erosion Control Details
L-101	Planting Plan - Parking Lot 7E AND 7F
L-102	Planting Plan - Parking Lot 1A

OWNER PROJECT CONTACT
JILL INSTASI, DIRECTOR OF SPECIAL PROJECTS
STATE OF MAINE, BUREAU OF GENERAL SERVICES
DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
77 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0077

ENGINEER PROJECT CONTACT
DAVID NADEAU, P.E., PROJECT MANAGER
STANTEC CONSULTING SERVICES INC.
482 PAYNE ROAD
SCARBOROUGH, MAINE 04074
bidding@stantec.com

ORIGINAL SHEET - ARCH D

CIVIL LEGENDS

CITY OF AUGUSTA DEVELOPMENT REVIEW NOTES

1. OWNER: STATE OF MAINE
   DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES, BUREAU OF GENERAL SERVICES
   111 SEWALL STREET
   77 STATE HOUSE STATION
   AUGUSTA, MAINE 04333–0077

2. DEED REFERENCE: BOOK – 2380 / PAGE – 189; TAX MAP / LOT: 10/8

3. ZONING DESIGNATION: BP – INSTITUTIONAL / BUSINESS / PROFESSIONAL

GENERAL NOTES

1. EXISTING TOPOGRAPHIC CONDITIONS AND PLANIMETRICS ARE BASED ON A FIELD SURVEY CONDUCTED BY STANTEC CONSULTING SERVICES INC. IN MARCH – MAY 2016. ADDITIONAL DATA, INCLUDING UNDERGROUND UTILITIES AND STRUCTURES WERE TAKEN FROM AS–BUILT DRAWINGS PROVIDED BY THE OWNER AND HAVE NOT BEEN FIELD VERIFIED BY STANTEC.

2. IF FIELD CONDITIONS DIFFER FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER FOR INSTRUCTION.

3. COORDINATE GRID IS MAINE STATE PLANE COORDINATE SYSTEM: HORIZONTAL DATUM IS NAD83, WEST ZONE (2000); VERTICAL DATUM IS NAVD88, U.S. FEET.

4. WORK WILL BE OCCURRING ADJACENT TO ACTIVE ROADWAYS AND PARKING LOTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY SIGNAGE, FENCING, BARRIERS, LIGHTING AND ANY OTHER MEASURES NEEDED TO PROTECT THE PUBLIC FROM WORK ACTIVITIES, EQUIPMENT AND EXCAVATIONS. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY MARKED AND LIGHTED TO PREVENT INJURY TO THE PUBLIC. EXISTING FACILITIES THAT ARE INTENDED TO REMAIN SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT DAMAGE SAID FACILITIES, INCLUDING SHORING / BRACING OF EXISTING WALLS, FOUNDATIONS AND PAVEMENTS DURING EXCAVATION ACTIVITIES. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER, WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

5. THE LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON AVAILABLE PLANS AND SURFACE STRUCTURES. NO GUARANTEE IS MADE OR IMPLIED BY STANTEC OR THE OWNER AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUFFICIENT INVESTIGATION AS HE/SHE DEEMS NECESSARY TO DETERMINE THE EXTENT AND EXACT LOCATION OF BURIED UTILITIES AND STRUCTURES ON THE SITE PRIOR TO PROCEEDING WITH EXCAVATION ACTIVITIES. THE CONTRACTOR SHALL EMPLOY A PRIVATE UTILITY LOCATING COMPANY FOR THIS EFFORT.

ANY DAMAGE TO UTILITIES OR STRUCTURES BY THE CONTRACTOR, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER, WITHOUT ADDITIONAL EXPENSE TO THE OWNER. THE CONTRACTOR SHALL CONTACT DIGSAFE (888–344–7233) PRIOR TO EXCAVATION. THE CONTRACTOR SHALL ALSO REVIEW THE OK–TO–DIG DIRECTORY (WWW.OKTODIG.COM) AND CONTACT ANY NON–DIGSAFE MEMBER ENTITIES LISTED PRIOR TO EXCAVATION.

6. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE, AND SHALL BE MAINTAINED UNTIL THE SITE IS FULLY STABILIZED. ANY EROSION OR OFF–SITE SEDIMENT TRACKING THAT IS NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, AND THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO PREVENT FURTHER EROSION OR OFF–SITE SEDIMENTATION. REFERENCE IS HEREBY MADE TO ENVIRONMENTAL PERMITS FOR THE PROJECT OBTAINED BY THE OWNER. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND CONDITIONS OF SAID PERMITS FOR THE LIFE OF THE PROJECT.

7. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL MATERIALS USED IN THE PROJECT SHALL BE HEAVY–DUTY COMMERCIAL GRADE, MEETING THE MINIMUM REQUIREMENTS OF THE LATEST REVISION OF THE MAINE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL CONSTRUCTION METHODS AND PROCEDURES SHALL BE PERFORMED IN ACCORDANCE WITH GENERALLY ACCEPTED INDUSTRY CODES AND STANDARDS UNLESS STATED OTHERWISE IN THE CONTRACT DRAWINGS OR SPECIFICATIONS.

8. THE CONTRACTOR SHALL MAINTAIN ALL PUBLIC ROADWAYS USED BY ITS EQUIPMENT FREE OF MUD AND DEBRIS. A TEMPORARY STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT THE PROJECT SITE TO MINIMIZE OFF–SITE TRACKING OF MUD AND DEBRIS.

9. ALL CONTRACTOR VEHICLES AND EQUIPMENT SHALL BE CLEARLY MARKED ON BOTH SIDES WITH THE NAME OF THE COMPANY, AND SHALL INCLUDE A FLASHING STROBE LIGHT IF WORKING IN OR ADJACENT TO THE PUBLIC WAY.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONSTRUCTION RELATED FIELD LAYOUT AS REQUIRED FOR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL STAKE–OUT THE LIMITS OF PROPOSED DEVELOPMENT (PAVEMENT EDGES, BUILDING FOUNDATIONS, CONCRETE SLABS, UTILITY RUNS, LIMITS OF DISTURBANCE, ETC.) FOR REVIEW AND APPROVAL BY THE OWNER PRIOR TO COMMENCING WITH WORK. THE CONTRACTOR SHALL GPS SURVEY **ALL** UTILITIES AND STRUCTURES ENCOUNTERED OR CONSTRUCTED FOR INCLUSION ON THE PROJECT AS–BUILT DRAWINGS. SUCH SURVEY SHALL BE PERFORMED PRIOR TO A UTILITY OR STRUCTURE BEING BACKFILLED AND SHALL BE TIED INTO THE PROJECT DATUM LISTED IN NOTES 3 ABOVE.

11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, CODES AND REGULATIONS DURING PERFORMANCE OF THE WORK.

12. REFERENCE IS HEREBY MADE TO A GEOTECHNICAL PREPARED FOR THE PROJECT BY STANTEC CONSULTING SERVICES INC. OF AUBURN, NEW HAMPSHIRE. ALL COMPACTION AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS INCLUDED WITHIN THE REPORT UNLESS OTHERWISE STATED.

13. THERE IS NO WASTE DISPOSAL AREA LOCATED ON THE PROJECT SITE. ALL UNSUITABLE MATERIAL GENERATED DURING DEMOLITION AND EXCAVATION ACTIVITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED.

DISPOSAL OF CONSTRUCTION DEBRIS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS.

THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE, OR OTHERWISE DISTURB ANY MATERIAL, STRUCTURE, OR PART OF A STRUCTURE WHICH IS LOCATED OUTSIDE THE LINES, GRADES, OR GRADING SECTIONS ESTABLISHED FOR THE WORK, EXCEPT WHERE SUCH EXCAVATION OR REMOVAL IS PROVIDED FOR IN THE CONTRACT, PLANS, OR SPECIFICATIONS.

PROPOSED LEGEND

- PROPOSED BOUND
- PROPOSED BENCHMARK
- PROPOSED CATCH BASIN (SQUARE)
- PROPOSED CATCH BASIN (ROUND)
- PROPOSED COMMUNICATION MANHOLE
- PROPOSED CURB INLET
- PROPOSED DRAIN MANHOLE (DMH)
- PROPOSED DRILL HOLE
- PROPOSED ELECTRICAL MANHOLE
- PROPOSED GUY POLE
- PROPOSED SURVEY POINT
- PROPOSED IRON PIN
- PROPOSED NATURAL GAS MANHOLE
- PROPOSED HYDRANT
- PROPOSED SANITARY SEWER MANHOLE (SMH)
- PROPOSED SINGLE POLE SIGN
- PROPOSED DOUBLE POLE SIGN
- PROPOSED TELEPHONE MANHOLE
- TP1 PROPOSED TEST PIT
- B1 PROPOSED BORING
- PROPOSED UTILITY POLE
- PROPOSED WATER SHUTOFF
- PROPOSED GATE VALVE
- PROPOSED WELL
- PROPOSED FLOOD LIGHT
- PROPOSED LIGHT POST
- PROPOSED DRAINAGE FLOW
- PROPOSED CONIFEROUS TREE
- PROPOSED DECIDUOUS TREE
- PROPOSED CATCH BASIN INLET PROTECTION
- PROPOSED 30' HIGH LIGHT POST
- PROPOSED 13'–6" HIGH LIGHT POST

- 100 PROPOSED MAJOR CONTOUR
- 98 PROPOSED MINOR CONTOUR
- X 95.5 PROPOSED SPOT ELEVATION
- PROPOSED RAILROAD TRACKS
- PROPOSED DITCH/SWALE
- PROPOSED EDGE OF RIVER
- PROPOSED EDGE OF POND
- PROPOSED EDGE OF WETLAND
- PROPOSED DEMOLITION WORK
- PROPOSED EASEMENT
- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED RIGHT OF WAY
- PROPOSED PROPERTY LINE
- G PROPOSED FUEL GAS
- GAS PROPOSED NATURAL GAS
- OHE PROPOSED OVERHEAD POWER
- UGE PROPOSED UNDERGROUND POWER
- CATV PROPOSED CABLE TV
- T PROPOSED OVERHEAD TELEPHONE
- UGT PROPOSED UNDERGROUND TELEPHONE
- S PROPOSED SANITARY SEWER
- FM PROPOSED SANITARY SEWER (FORCE MAIN)
- W PROPOSED WATER MAIN
- PS PROPOSED PRESSURE STEAM
- SD PROPOSED STORM DRAIN
- UD PROPOSED FOOTING UNDERDRAIN
- RD PROPOSED ROOF DRAIN
- FP PROPOSED FIRE PROTECTION
- PROPOSED GUARD RAIL
- X X X PROPOSED FENCE (BARBED WIRE)
- PROPOSED FENCE (CHAIN LINK)
- PROPOSED FENCE (WOODEN)
- PROPOSED RETAINING WALL
- PROPOSED STONE WALL
- PROPOSED SILT FENCE
- PROPOSED HAYBALES
- PROPOSED TREE LINE
- PROPOSED EDGE OF BITUMINOUS PAVEMENT
- PROPOSED BUILDING
- PROPOSED BITUMINOUS SIDEWALK
- PROPOSED BITUMINOUS CURB
- PROPOSED GRANITE CURB

EXISTING LEGEND

- EXISTING BOUND
- EXISTING BENCHMARK
- EXISTING SURVEY POINT
- EXISTING CATCH BASIN (SQUARE)
- EXISTING CATCH BASIN (ROUND)
- EXISTING COMMUNICATION MANHOLE
- EXISTING CURB INLET
- EXISTING DRAIN MANHOLE (DMH)
- EXISTING ELECTRICAL MANHOLE
- EXISTING GUY POLE
- EXISTING HYDRANT
- EXISTING IRON PIN
- EXISTING NATURAL GAS MANHOLE
- EXISTING SEWER MANHOLE (SMH)
- EXISTING SINGLE POLE SIGN
- EXISTING DOUBLE POLE SIGN
- EXISTING FLOOD LIGHT
- EXISTING LIGHT POST
- MB EXISTING MAILBOX
- EXISTING DRAINAGE FLOW
- TP1 EXISTING TEST PIT
- B1 EXISTING BORING
- EXISTING STUMP
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING WETLAND
- EXISTING TELEPHONE MANHOLE
- EXISTING UTILITY POLE
- EXISTING WATER SHUTOFF
- EXISTING GATE VALVE
- EXISTING WELL

- 100 EXISTING MAJOR CONTOUR
- 98 EXISTING MINOR CONTOUR
- EXISTING DITCH/SWALE
- EXISTING RAILROAD TRACKS
- EXISTING EDGE OF WATER
- EXISTING WETLAND BOUNDARY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXISTING RIGHT–OF–WAY
- X 95.5 EXISTING SPOT ELEVATION
- G EXISTING FUEL GAS
- GAS EXISTING NATURAL GAS
- OHE EXISTING OVERHEAD POWER
- UGE EXISTING UNDERGROUND POWER
- S EXISTING SANITARY SEWER
- FM EXISTING SANITARY SEWER (FORCE MAIN)
- SD EXISTING STORM DRAIN
- PS EXISTING PRESSURE STEAM
- W EXISTING WATER MAIN
- CATV EXISTING CABLE TV
- T EXISTING OVERHEAD TELEPHONE
- UGT EXISTING UNDERGROUND TELEPHONE
- EXISTING GUARD RAIL
- X X X EXISTING FENCE
- EXISTING CHAINLINK FENCE
- EXISTING WOODEN FENCE
- EXISTING RETAINING WALL
- EXISTING HAYBALES
- EXISTING STONE WALL
- EXISTING TREE/SHRUB LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING BUILDING
- EXISTING CURB

PROJECT ABBREVIATIONS

BGS	STATE OF MAINE, BUREAU OF GENERAL SERVICES
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
CB	CATCH BASIN
CC	CENTER TO CENTER
CO	SEWER CLEANOUT
CMP	CORRUGATED METAL PIPE
DMH	DRAIN MANHOLE
E	EASTING (MAINE STATE PLANE GRID)
EG	EXISTING GRADE
ELEV	ELEVATION (FEET)
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EXIST	EXISTING
FG	FINISHED GRADE
FF	FINISHED FLOOR
FM	FORCEMAIN
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
ID	INNER DIAMETER
INV	INVERT (BOTTOM INSIDE OF PIPE)
K	RATE OF VERTICAL CURVATURE
L	LENGTH
LVC	LENGTH OF VERTICAL CURVE
N	NORTHING (MAINE STATE PLANE GRID)
N/F	NOW OR FORMERLY
NG	NATURAL GAS
NTS	NOT TO SCALE
OC	ON-CENTER
OCS	OUTLET CONTROL STRUCTURE
OD	OUTER DIAMETER
OWS	OIL / WATER SEPARATOR
PC	POINT OF CURVATURE (START OF HORIZONTAL CURVE)
PE	POLYETHYLENE
PL	PROPERTY LINE
PROP	PROPOSED
PS	PUMP STATION
PT	POINT OF TANGENCY (END OF HORIZONTAL CURVE)
PVC	POLYVINYL CHLORIDE
PVIE	POINT OF VERTICAL INTERSECTION ELEVATION
PVIS	POINT OF VERTICAL INTERSECTION STATION
RCP	REINFORCED CONCRETE PIPE
S	SLOPE
SD	STORMDRAIN
SF	SILT FENCE
SMH	SEWER MANHOLE
SS	SANITARY SEWER
STA	STATION
TELCOM	TELEPHONE - COMMUNICATIONS
TEMP	TEMPORARY

Stantec

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Revision	By	Appd.	YY.MM.DD
A CITY OF AUGUSTA SITE PLAN REVIEW			16.07.07

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JULY 7, 2016

STATE OF MAINE
DAVID P. NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

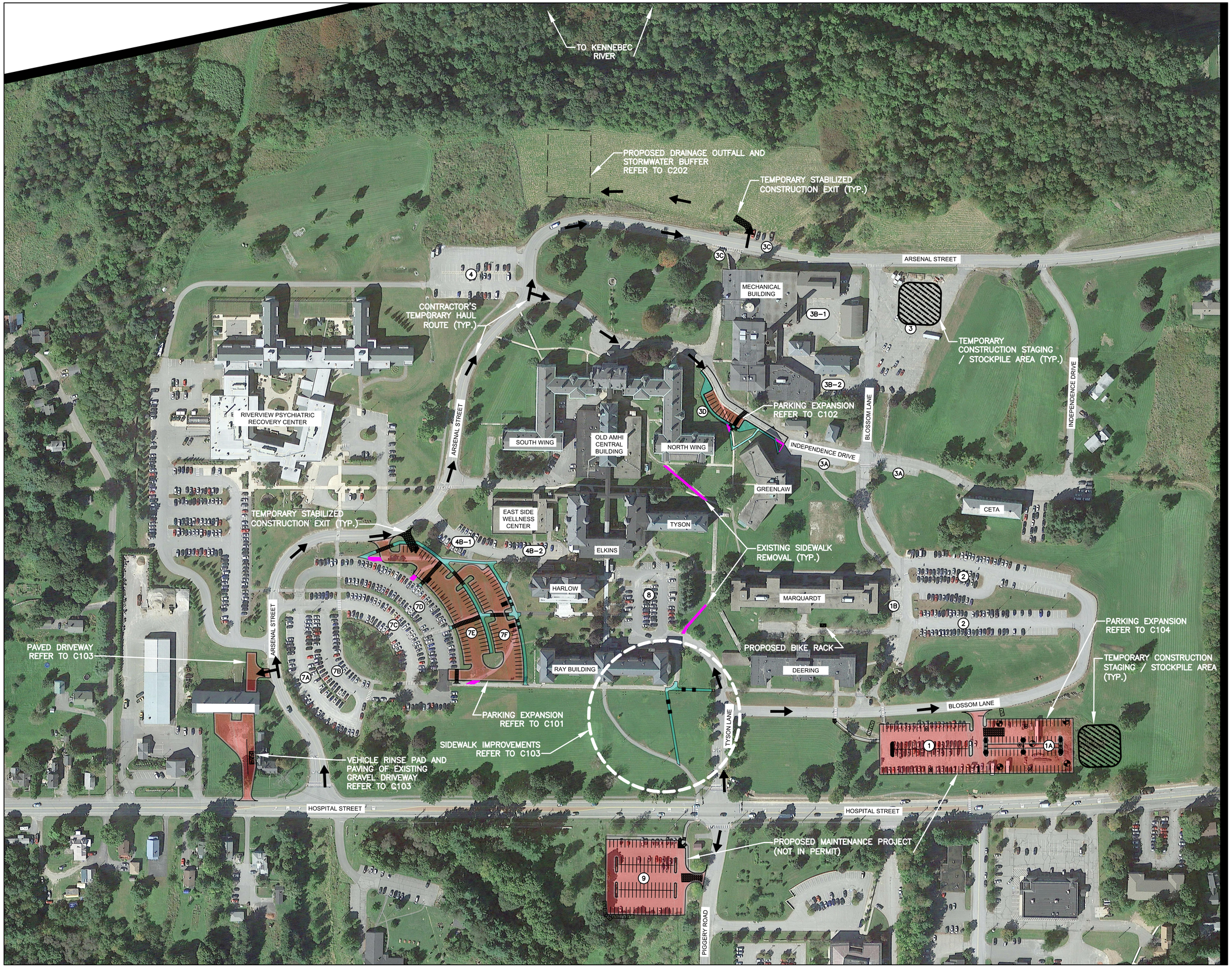
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title
GENERAL NOTES
AND LEGEND

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
G-002	2 of 21	0

ORIGINAL SHEET - ARCH D



ORIGINAL SHEET - ARCH D

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Notes

- 3C — PARKING LOT ID
- PROPOSED BITUMINOUS SIDEWALKS
- PROPOSED BITUMINOUS PARKING / ROADS
- EXISTING SIDEWALK REMOVAL
- TEMPORARY CONSTRUCTION HAUL ROUTE
- TEMPORARY STABILIZED CONSTRUCTION EXIT
- TEMPORARY CONSTRUCTION STAGING / STOCKPILE AREA

N

0 100' 200'

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STATE OF MAINE
DAVID P NADEAU
No. 10683
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PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

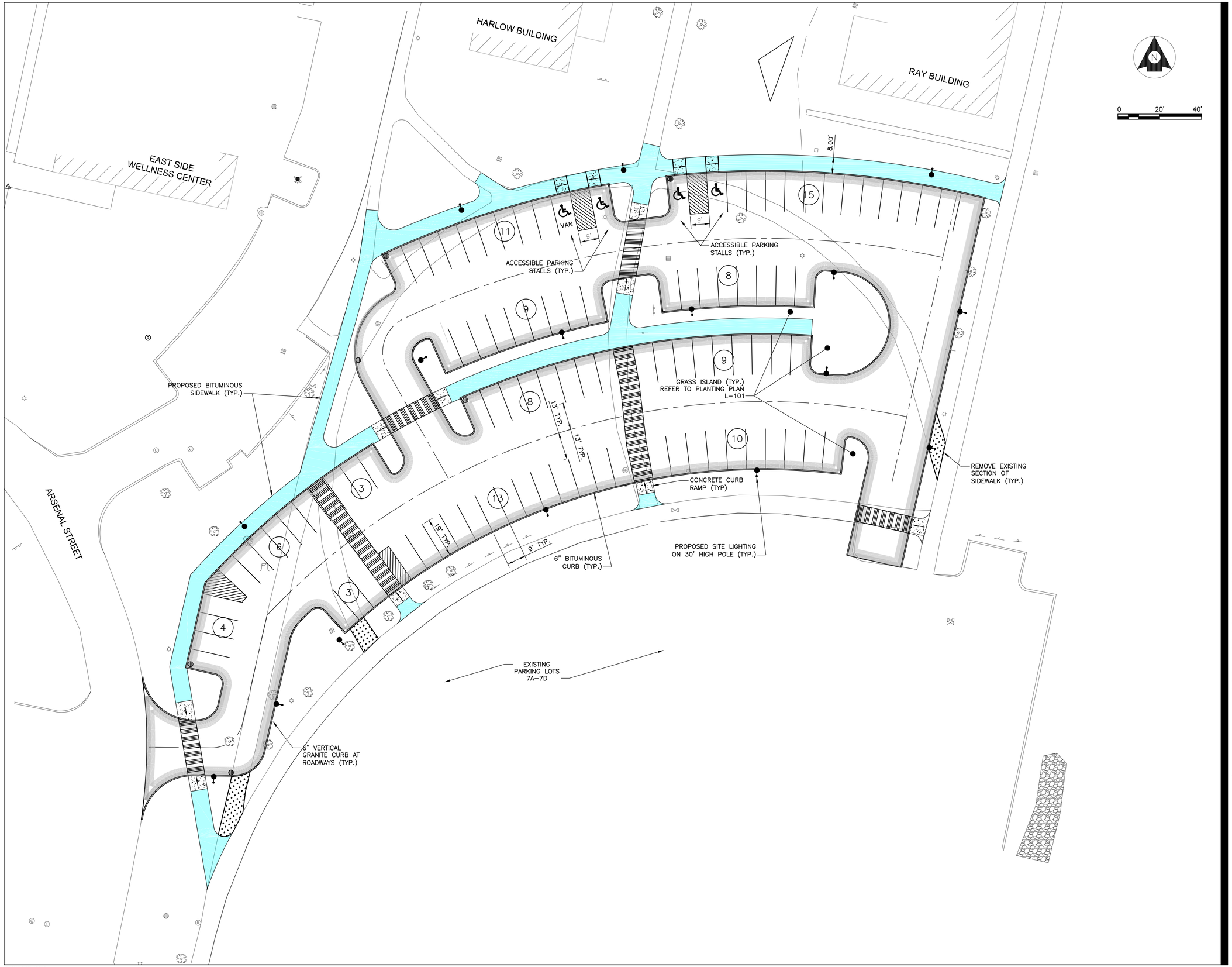
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title

GENERAL SITE PLAN

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	**Sheet**	**Revision**
C-001	3 of 21	0



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STATE OF MAINE
DAVID P. NADEAU
No. 10683
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PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

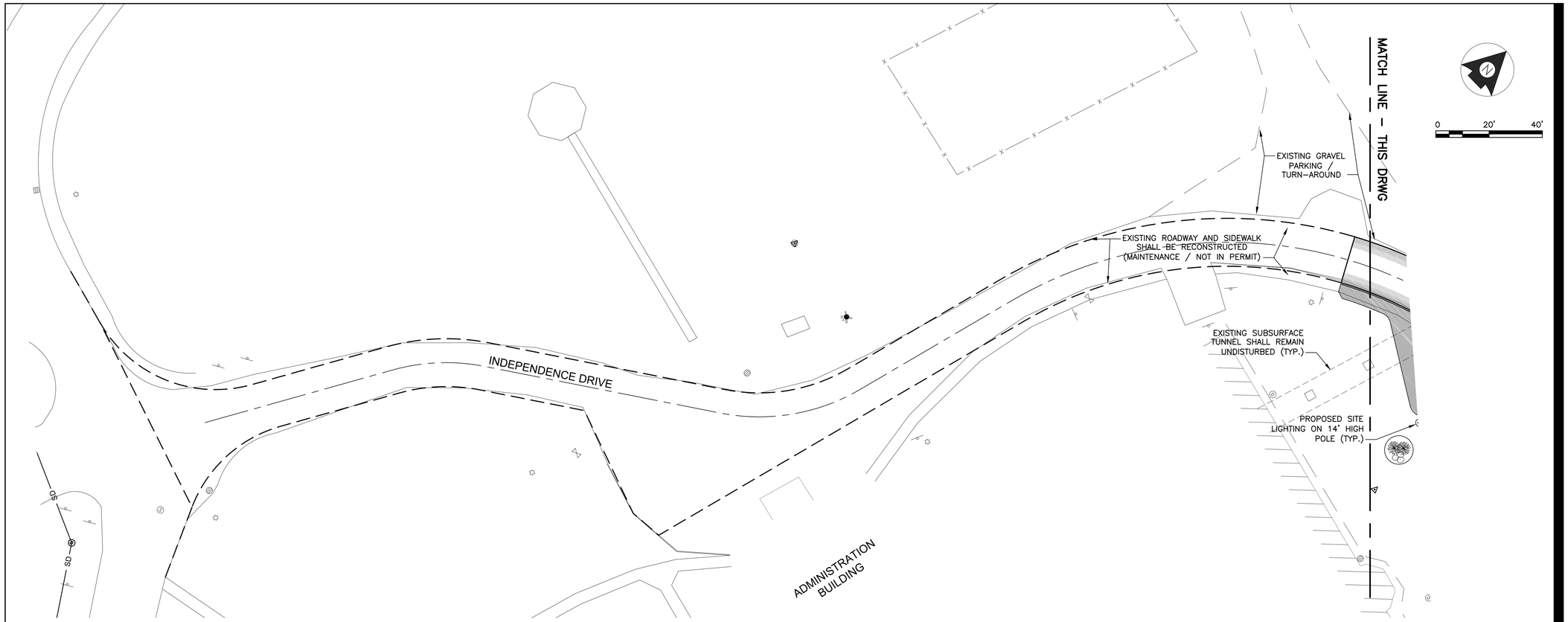
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

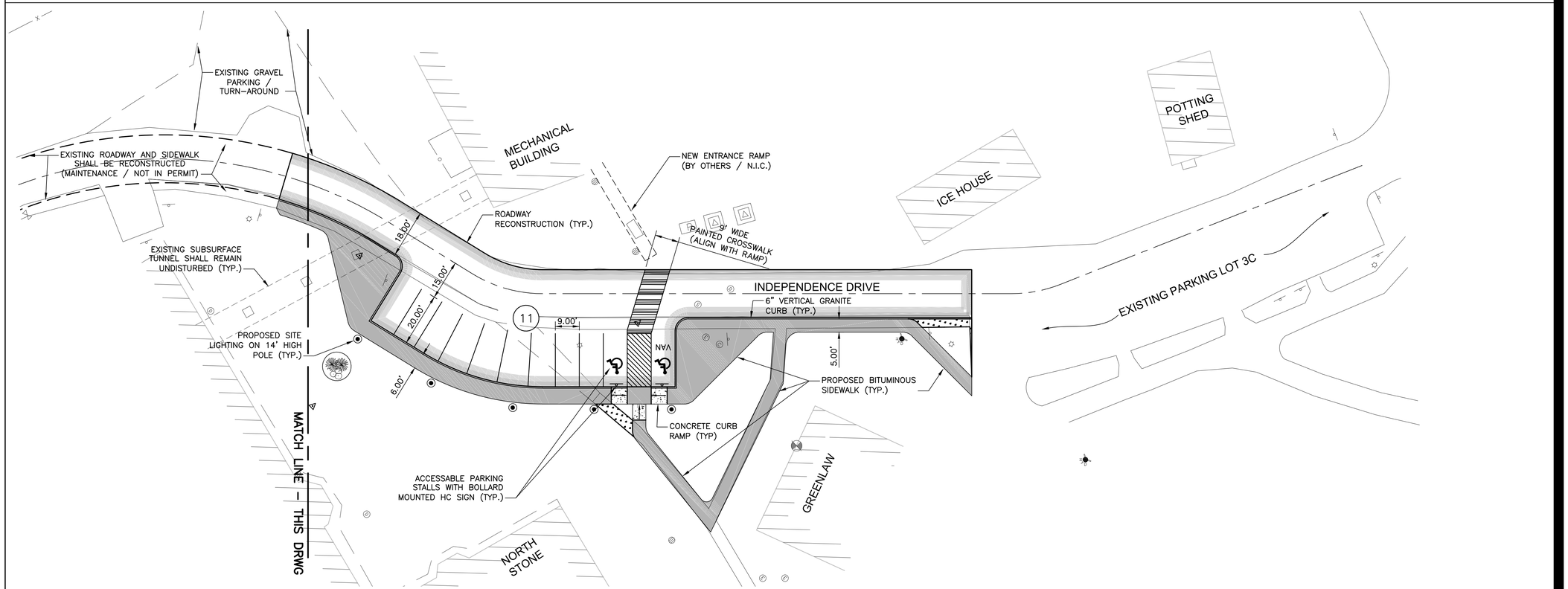
Augusta, Maine

Title

LAYOUT PLAN
LOT NO. 7E AND 7F

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-101	4 of 21	0





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BUREAU OF GENERAL SERVICES

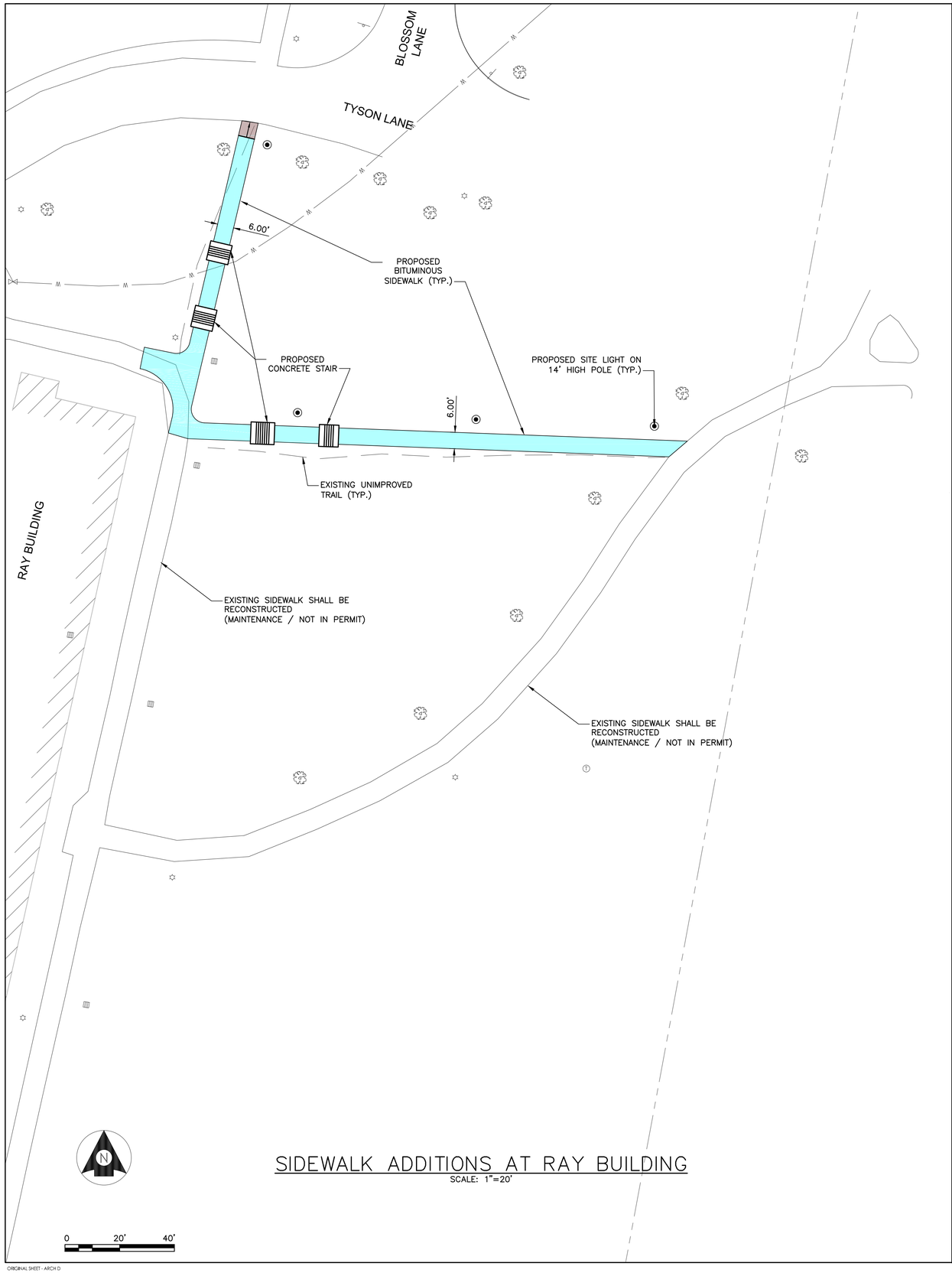
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title

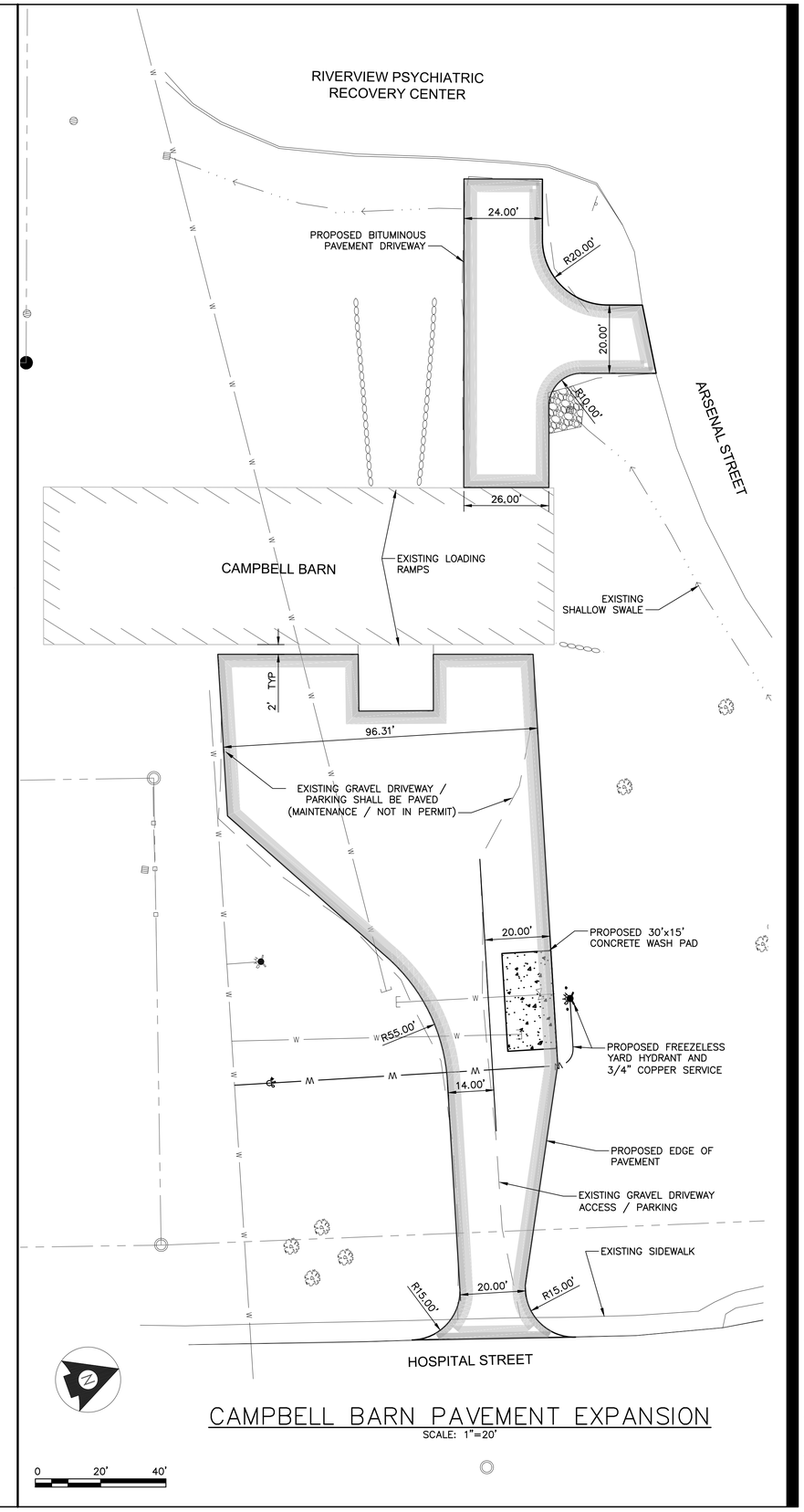
LAYOUT PLAN
LOT NO. 3D

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-102	5 of 21	0



SIDEWALK ADDITIONS AT RAY BUILDING

SCALE: 1"=20'



CAMPBELL BARN PAVEMENT EXPANSION

SCALE: 1"=20'

ORIGINAL SHEET - ARCH D

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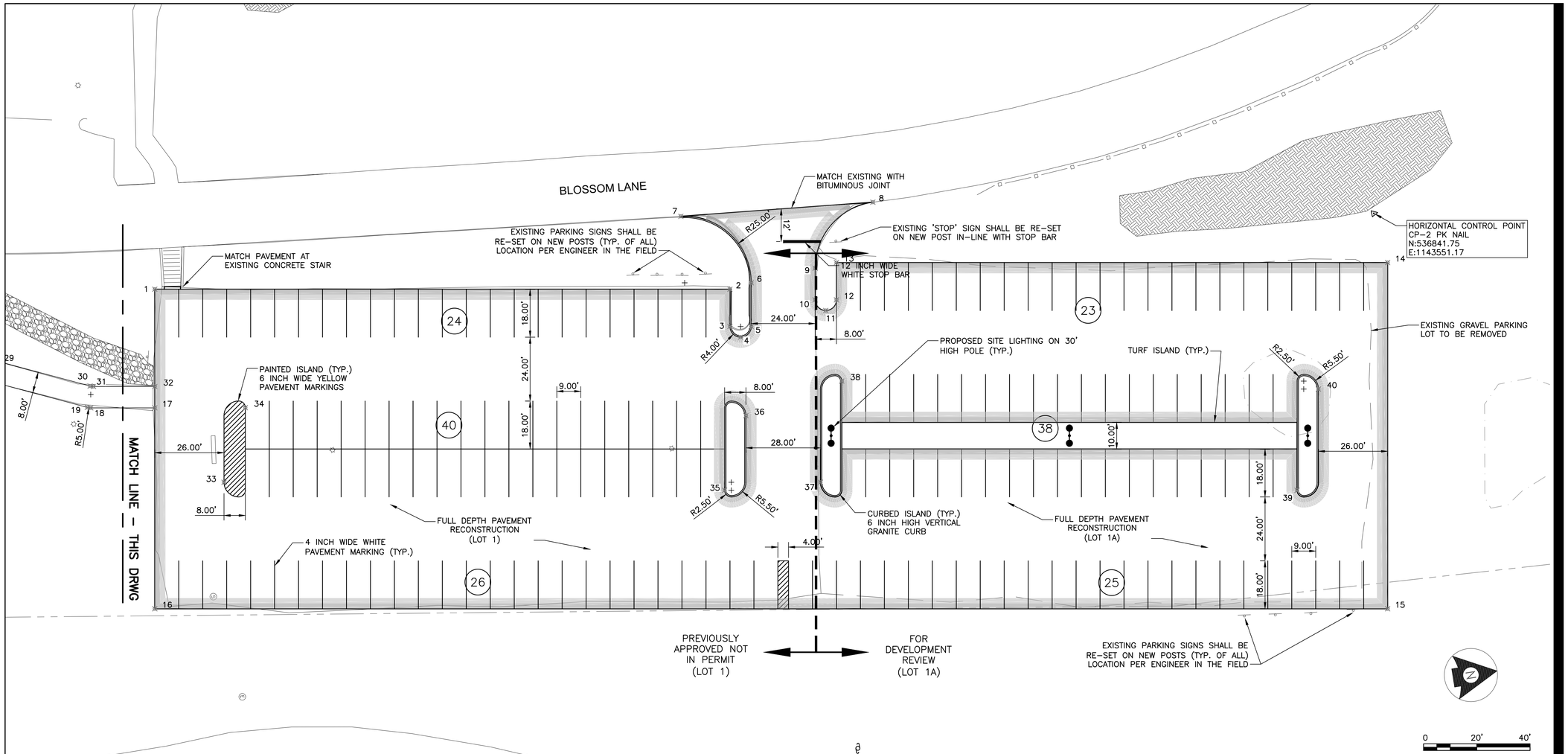
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

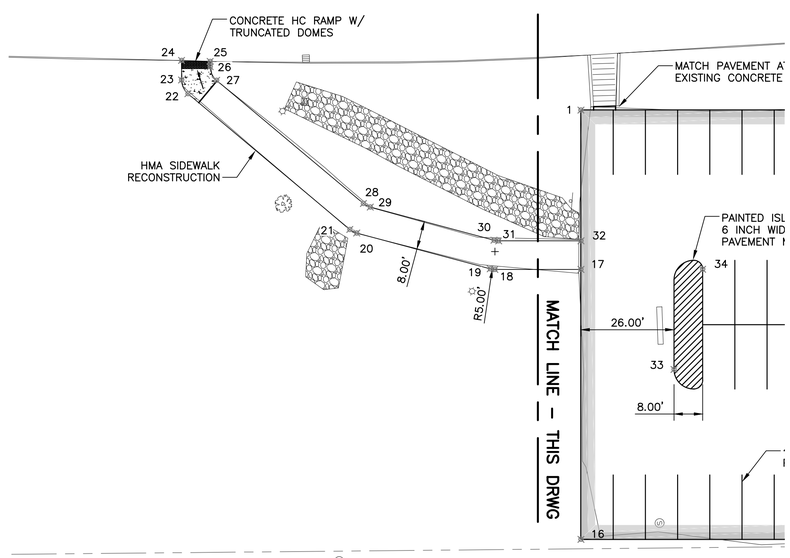
Augusta, Maine

Title
LAYOUT PLAN
SIDEWALK ADDITIONS AND
CAMPBELL BARN IMPROVEMENTS

Project No.	Scale
195210829	AS NOTED

Drawing No.	Sheet	Revision
C-103	6 of 21	0





POINT TABLE			
POINT #	NORTHING	EASTING	DESC
1	536387.01	1143491.22	EDGE OF PAVEMENT
2	536598.99	1143532.71	EDGE OF PAVEMENT
3	536596.30	1143546.45	PC EDGE OF PAVEMENT
4	536599.46	1143551.14	PC/PT EDGE OF PAVEMENT
5	536604.15	1143547.98	PT EDGE OF PAVEMENT
6	536607.30	1143531.87	PC EDGE OF PAVEMENT
7	536586.17	1143502.30	MATCH EDGE OF PAVEMENT
8	536657.96	1143510.93	MATCH EDGE OF PAVEMENT
9	536631.91	1143531.09	PT EDGE OF PAVEMENT
10	536629.62	1143542.78	PC EDGE OF PAVEMENT
11	536632.78	1143547.47	PT / PC EDGE OF PAVEMENT
12	536637.47	1143544.31	PT EDGE OF PAVEMENT
13	536640.16	1143530.58	EDGE OF PAVEMENT
14	536843.31	1143570.33	EDGE OF PAVEMENT
15	536818.34	1143697.91	EDGE OF PAVEMENT
16	536363.96	1143608.99	EDGE OF PAVEMENT
17	536378.45	1143534.93	EDGE OF SIDEWALK
18	536354.85	1143530.32	PC EDGE OF SIDEWALK
19	536353.62	1143529.90	PT EDGE OF SIDEWALK
20	536318.91	1143512.91	PC EDGE OF SIDEWALK

POINT TABLE			
POINT #	NORTHING	EASTING	DESC
21	536317.21	1143511.57	PT EDGE OF SIDEWALK
22	536280.11	1143465.62	PC EDGE OF SIDEWALK
23	536279.09	1143461.52	PT EDGE OF SIDEWALK
24	536280.14	1143456.16	MATCH EDGE OF SIDEWALK
25	536287.94	1143457.97	MATCH EDGE OF SIDEWALK
26	536287.66	1143459.40	PC EDGE OF SIDEWALK
27	536288.67	1143463.50	PT EDGE OF SIDEWALK
28	536322.32	1143505.16	PC EDGE OF SIDEWALK
29	536324.01	1143506.51	PT EDGE OF SIDEWALK
30	536356.19	1143522.25	PC EDGE OF SIDEWALK
31	536357.42	1143522.67	PT EDGE OF SIDEWALK
32	536379.99	1143527.08	EDGE OF SIDEWALK
33	536398.60	1143567.36	PAVEMENT MARKING
34	536411.83	1143541.42	PAVEMENT MARKING
35	536582.52	1143606.42	ISLAND EDGE OF PAVEMENT
36	536595.75	1143580.47	ISLAND EDGE OF PAVEMENT
37	536618.43	1143610.39	ISLAND EDGE OF PAVEMENT
38	536633.58	1143574.63	ISLAND EDGE OF PAVEMENT
39	536793.52	1143647.71	ISLAND EDGE OF PAVEMENT
40	536808.67	1143611.95	ISLAND EDGE OF PAVEMENT

ORIGINAL SHEET - ARCH D

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ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

STATE OF MAINE
DAVID P NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

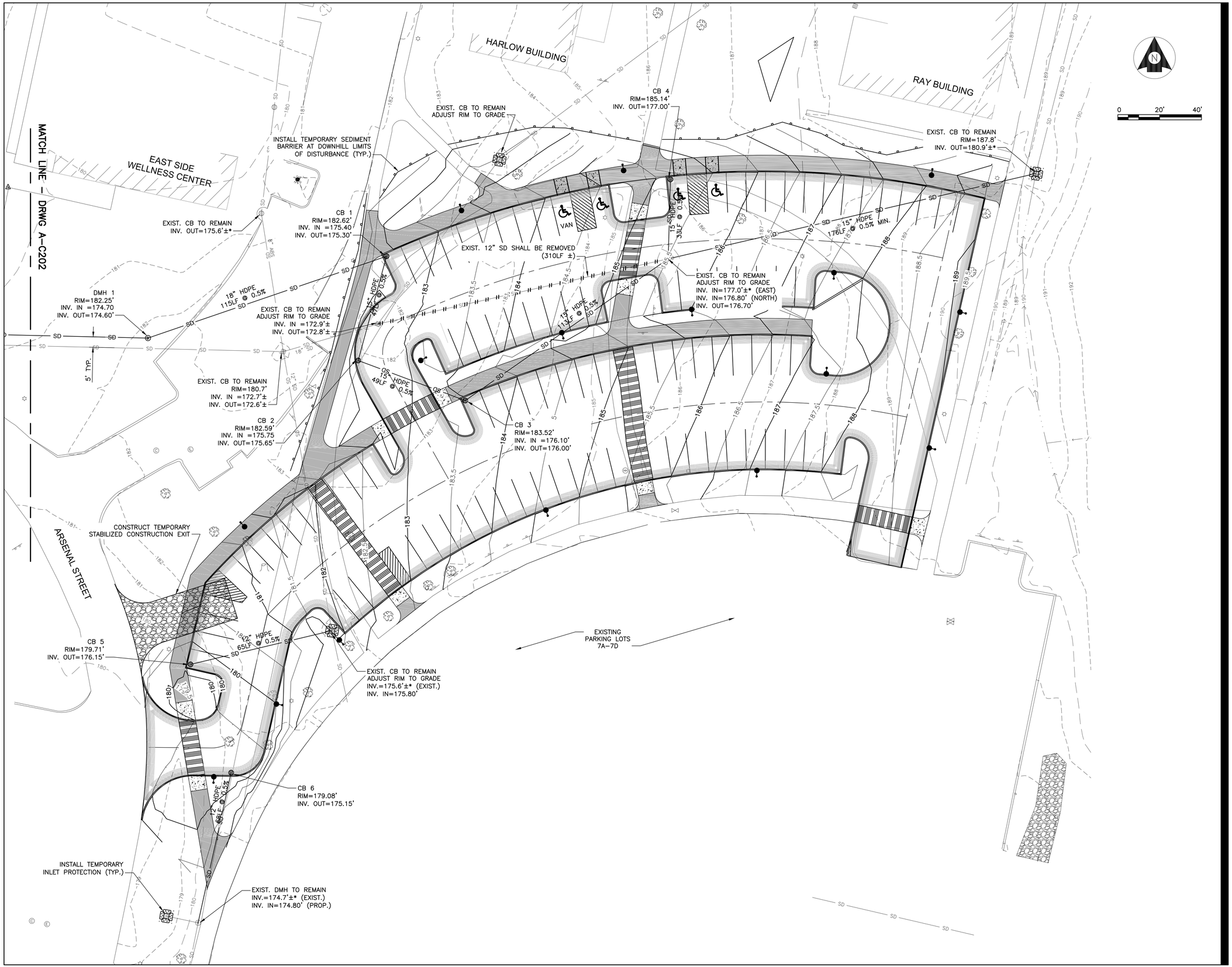
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title

LAYOUT PLAN
LOT NO. 1 AND 1A

Project No. 195210829
Scale AS NOTED
Drawing No. C-104
Sheet 7 of 21
Revision 0



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ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

STATE OF MAINE
DAVID P. NADEAU
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7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

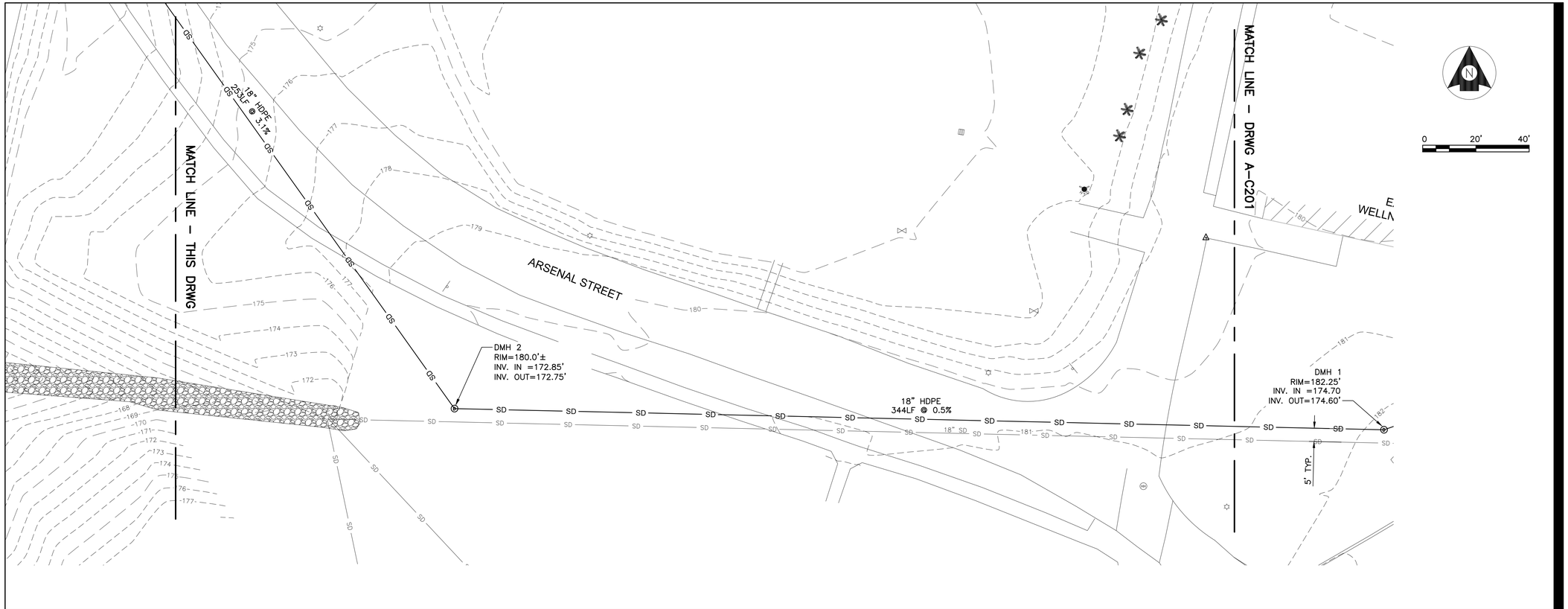
Augusta, Maine

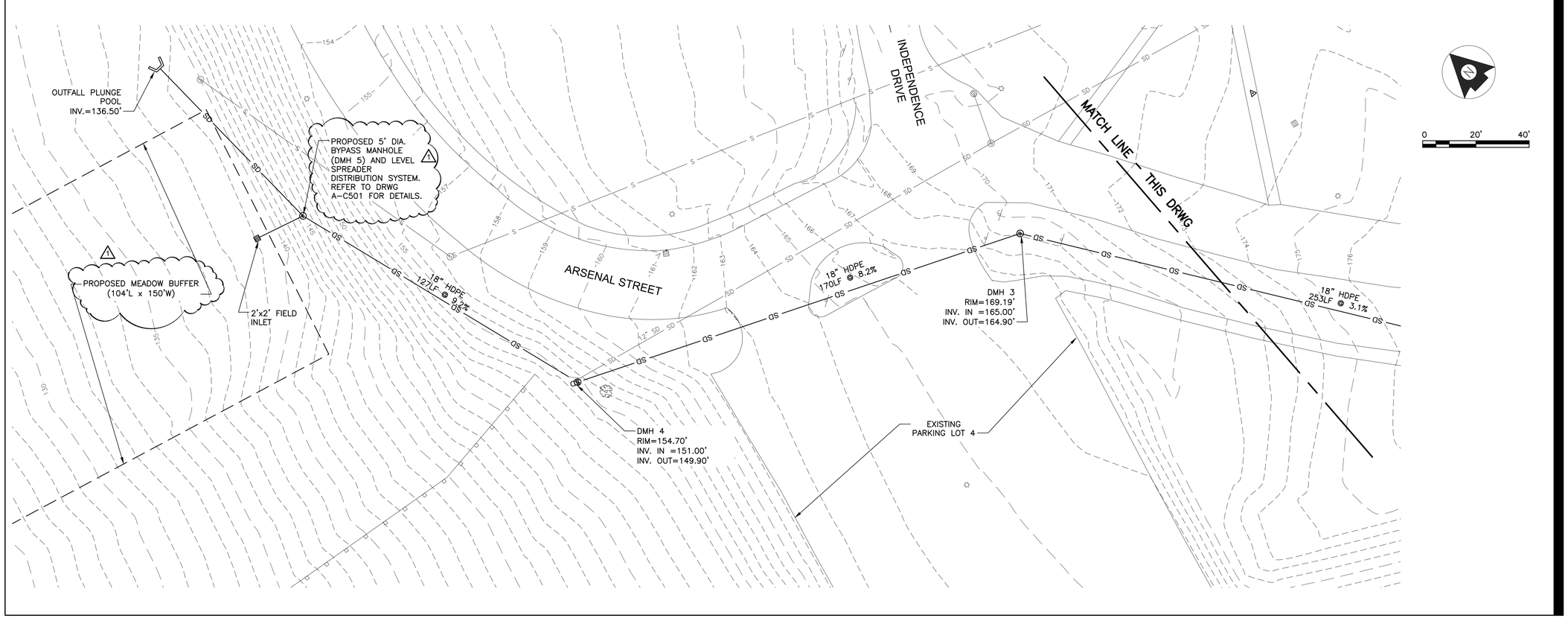
Title

GRADING PLAN
LOT NO. 7E AND 7F

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-201	8 of 21	0

ORIGINAL SHEET - ARCH D





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1 BUFFER REVISIONS	DPN	DPN	16.06.14

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	DPN	DPN	DPN	16.05.12

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JULY 7, 2016

STATE OF MAINE
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Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title

STORMDRAIN OUTFALL PLAN

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	**Sheet**	**Revision**
C-202	9 of 21	0

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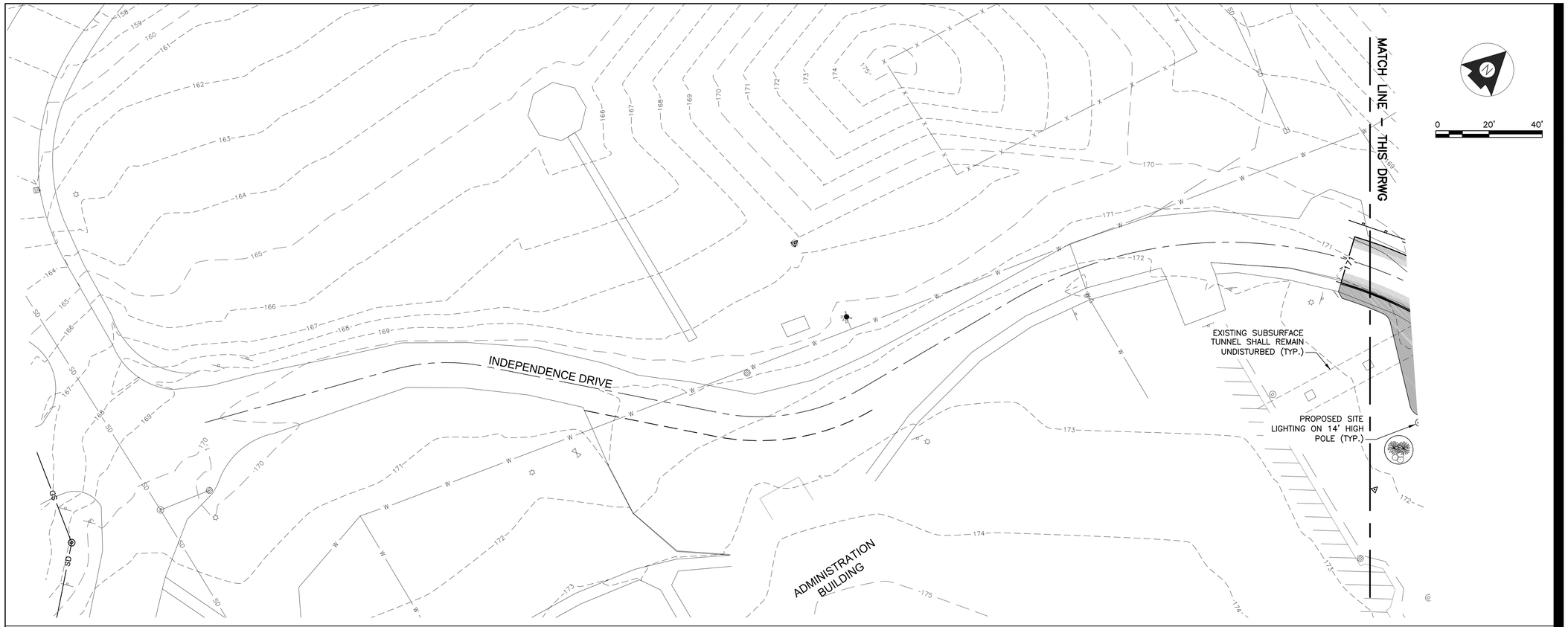

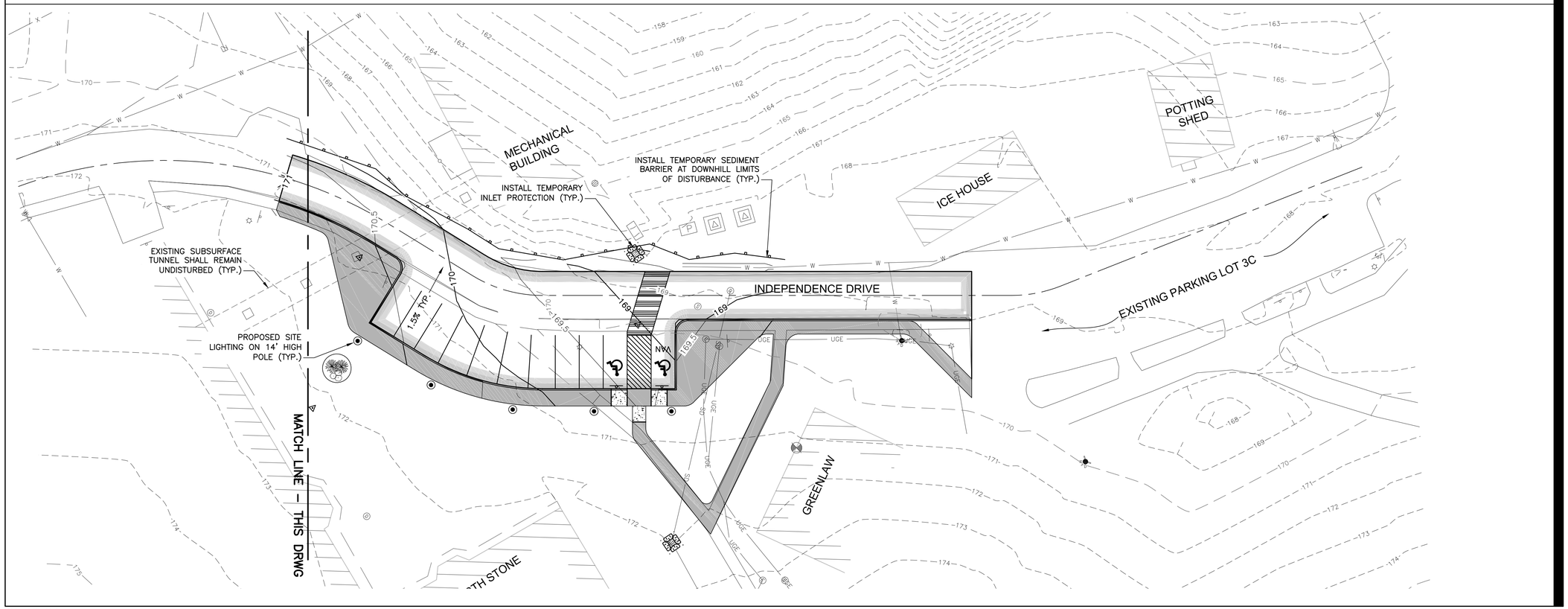

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STATE OF MAINE
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STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

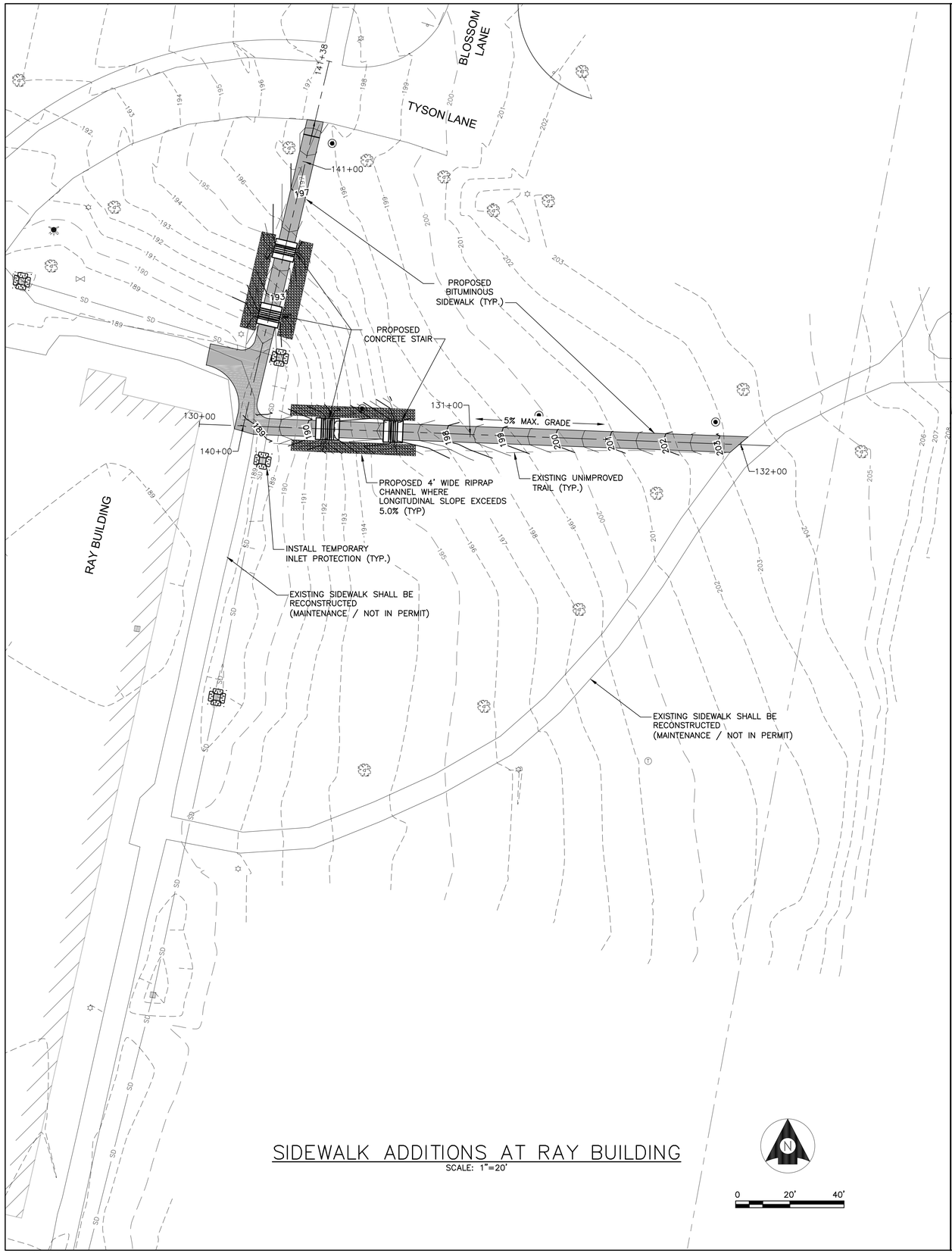
Augusta, Maine

Title

GRADING PLAN
LOT NO. 3D

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-203	10 of 21	0

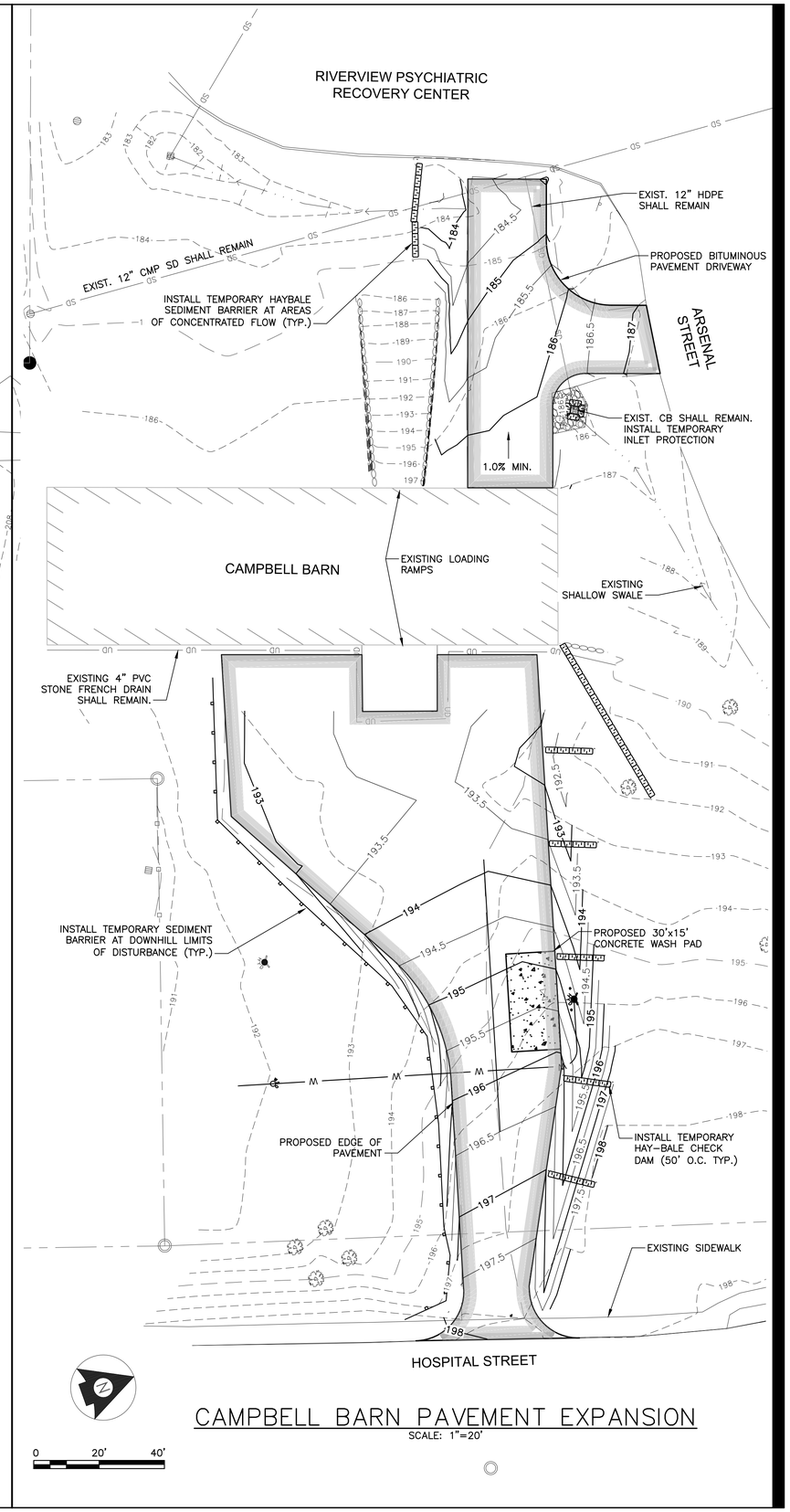
ORIGINAL SHEET - ARCH D



SIDEWALK ADDITIONS AT RAY BUILDING

SCALE: 1"=20'

0 20' 40'



CAMPBELL BARN PAVEMENT EXPANSION

SCALE: 1"=20'

0 20' 40'

ORIGINAL SHEET - ARCH D

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7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

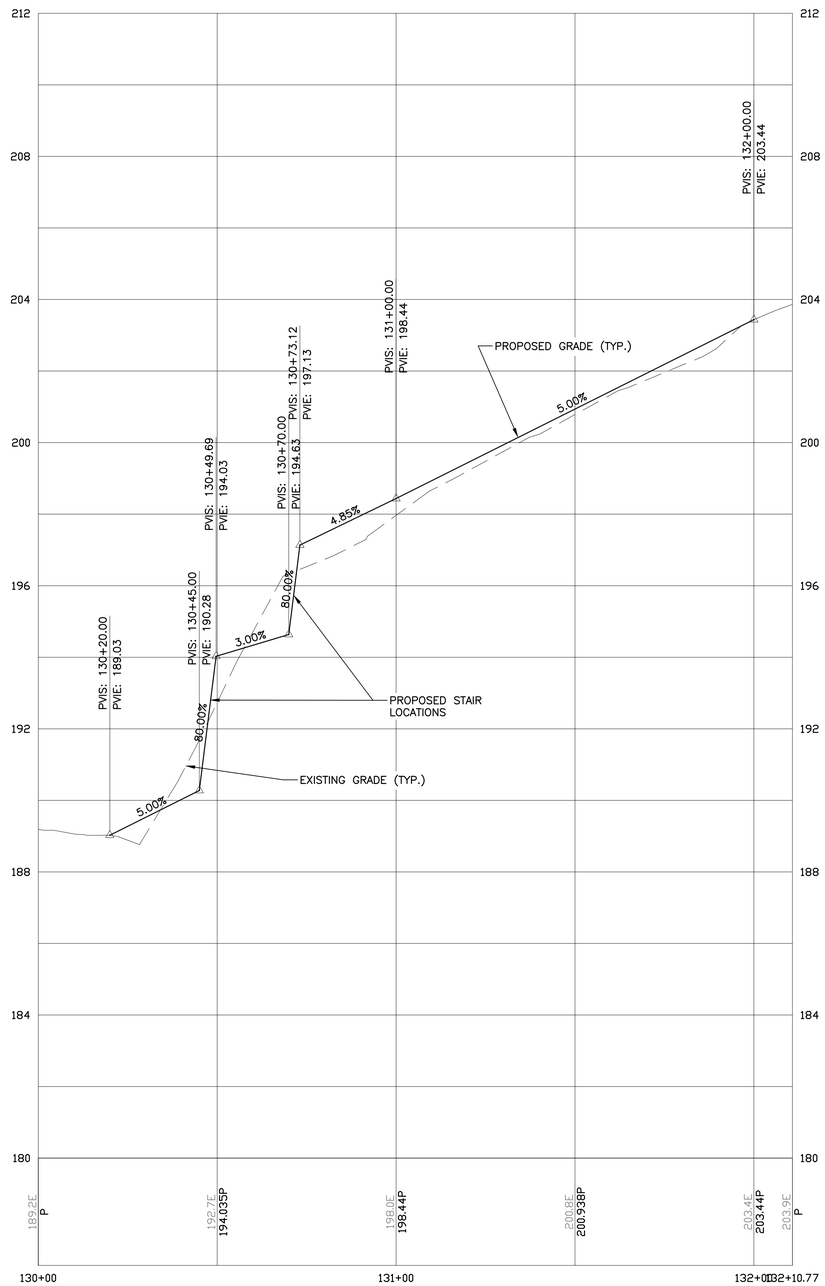
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

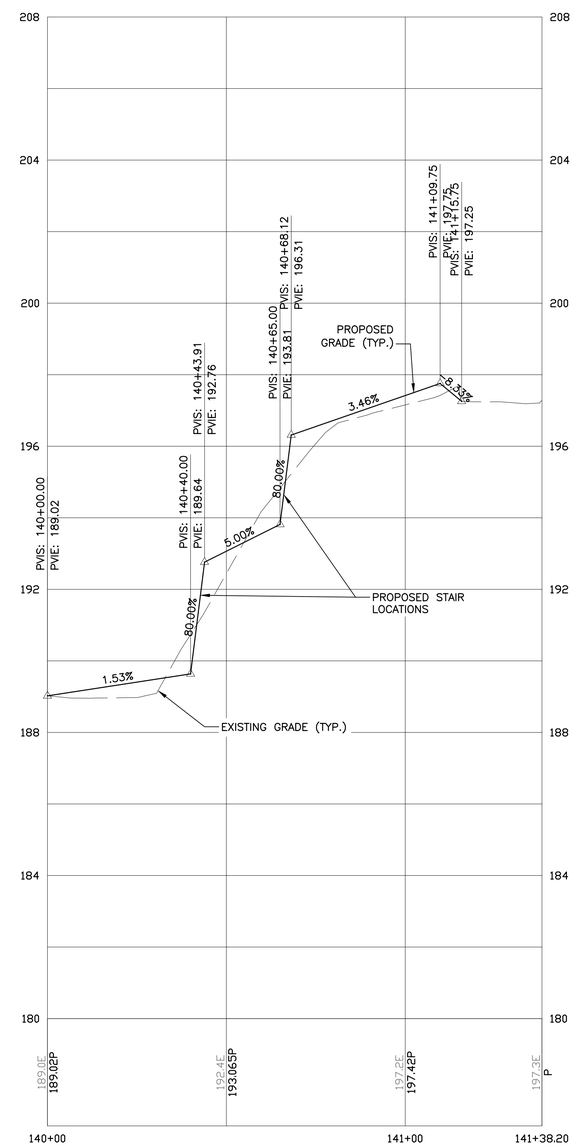
Augusta, Maine

Title
GRADING PLAN
SIDEWALK ADDITIONS AND
CAMPBELL BARN IMPROVEMENTS

Project No.	Scale
195210829	AS NOTED

Drawing No.	Sheet	Revision
C-204	11 of 21	0





0 20' 40'

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STATE OF MAINE
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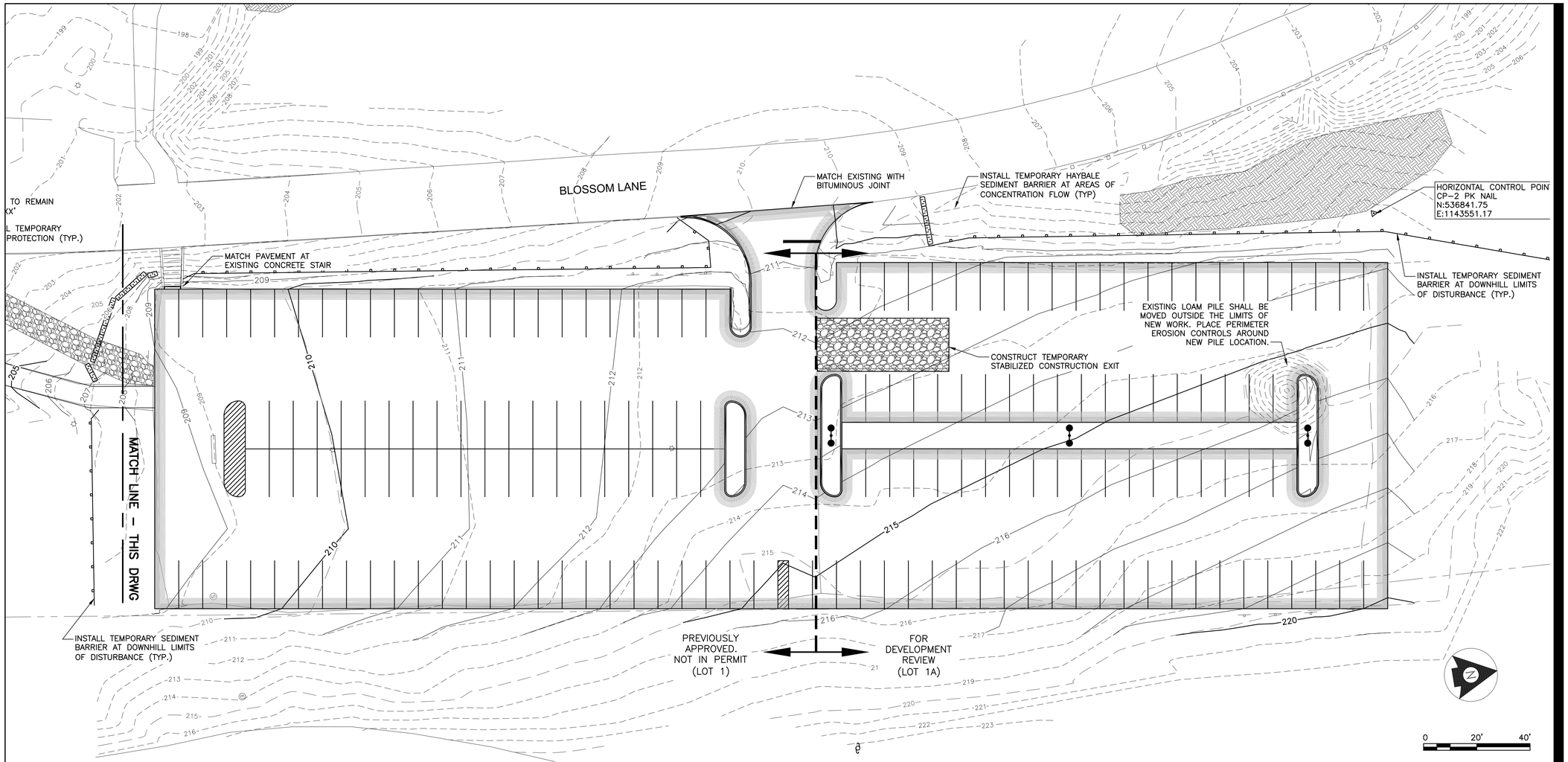
Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

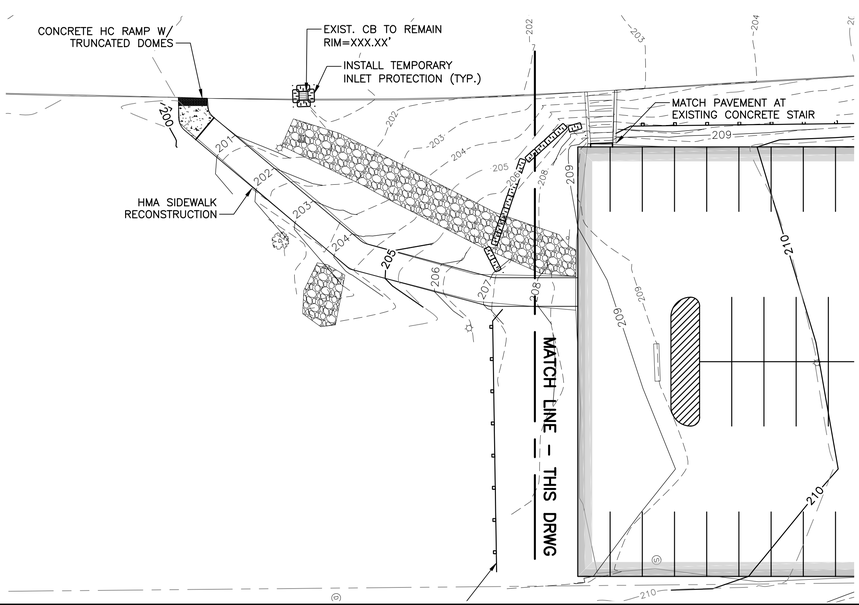
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title
MISCELLANEOUS PROFILES
RAY BUILDING SIDEWALKS

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-205	12 of 21	0





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JULY 7, 2016

STATE OF MAINE
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STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

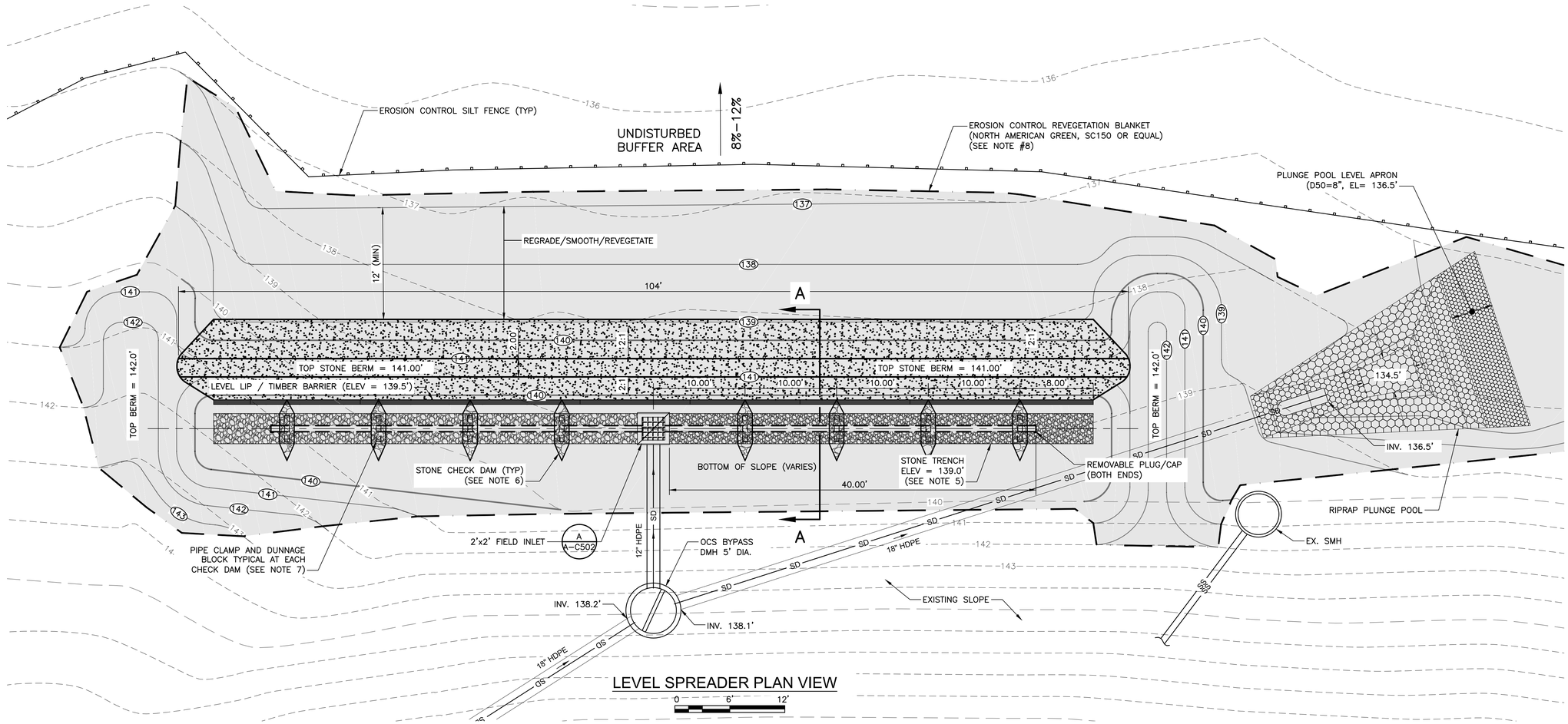
Augusta, Maine

Title

GRADING PLANS
LOT NO. 1 AND 1A

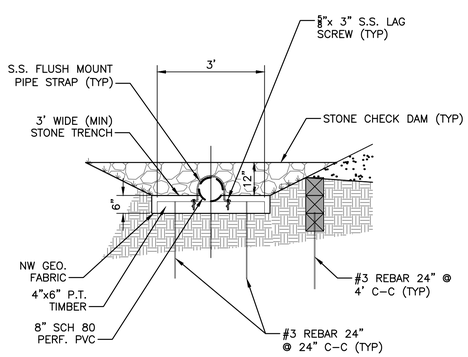
Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-206	13 of 21	0

ORIGINAL SHEET - ARCH D



LEVEL SPREADER PLAN VIEW

0 6' 12'

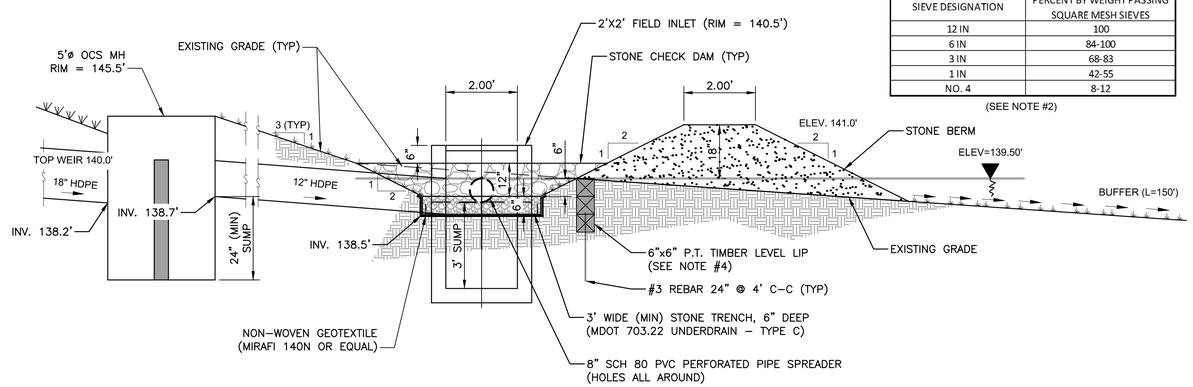


NOTES:

1. INSTALL DUNNAGE TIMBERS AND MOUNT PIPE PRIOR PLACING STONE IN TRENCH.
2. PIPE CLAMP SHALL BE B3180FL–8, S.S. FOR 8" PIPE AS MANUFACTURED BY EATON (B–LINE) OR EQUAL (800) 851–7415.

PIPE SUPPORT DETAIL

0 2' 4'



SECTION A-A

0 2' 4'

BERM STONE SIZE TABLE	
SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
12 IN	100
6 IN	84-100
3 IN	68-83
1 IN	42-55
NO. 4	8-12

(SEE NOTE #2)

NOTES:

1. CONSTRUCT STONE BERM LEVEL LIP SREADER IN ACCORDANCE WITH THE MAINE STORMWATER MANAGEMENT MANUAL, VOLUME III–BMPs TECHNICAL DESIGN, SECTION 5.2.2. AND AS SHOWN ON DRAWINGS AND DETAILS.
2. THE STONE FOR THE BERM SHALL CONSIST OF SOUND, DURABLE ROCK AND SHALL BE WELL GRADED AND CONTAIN SOME SMALL STONE AND GRAVEL WITHIN THE LIMITS OF THE BERM STONE SIZE TABLE.
3. THE STONE BERM, STONE TRENCH, PIPE SPREADER AND TIMBER LEVEL LIP SHALL BE CONSTRUCTED AS SHOWN AND SHALL BE COMPLETELY AND UNIFORMLY LEVEL, LONGITUDINALLY, AT THE DESIGN ELEVATIONS SHOWN.
4. TIMBER LEVEL LIP SHALL BE CONSTRUCTED FROM 6" x 6" P.T. TIMBERS TYPICALLY 12' LENGTHS, AND 4 FOOT MINIMUM LENGTH. TIMBER JOINTS SHALL BE STAGGERED BY 4 FEET MINIMUM TO ROWS ABOVE AND BELOW. BOTTOM ROW SHALL BE PLACED ON UNDISTURBED OR COMPACTED SUBGRADE AND SHALL BE DRILLED AND ANCHORED WITH #3 REBAR EVERY 4 FEET. MIDDLE AND TOP COURSES SHALL BE SECURELY ANCHORED TO LOWER COURSE WITH 10" TIMBER LAG SCREWS COUNTERSUNK ¼" MINIMUM EVERY 4 FEET.
5. STONE TRENCH SHALL BE CONSTRUCTED LEVEL AT ELEVATION SHOWN. TRENCH SHALL BE 3 FEET WIDE (MIN) AND 6" DEPTH. PLACE TRENCH ON UNDISTURBED OR COMPACTED SUBGRADE OVER NON–WOVEN GEOTEXTILE. STONE FOR TRENCH SHALL BE IN ACCORDANCE WITH MEDOT SPECIFICATION #703.22 FOR UNDERDRAIN, TYPE C.
6. STONE CHECK DAMS SHALL BE PLACED AS SHOWN. STONE FOR CHECK DAMS SHALL BE COMPRISED OF WELL GRADED CRUSHED ROCK WITH MAXIMUM STONE SIZE OF 4 INCHES AND MINIMUM SIZE OF 1 INCH CONTAINING NO FINES OR ROCK LESS THAN MINIMUM STONE SIZE.
7. 4" x 6" P.T.x3' TIMBER DUNNAGE BLOCK AND PIPE CLAMP SHALL BE INSTALLED AT EACH CHECK DAM LOCATION AS SHOWN ON DETAILS. DUNNAGE BLOCKS SHALL BE LAID FLAT (6" WIDE) ON BOTTOM OF STONE TRENCH SUBGRADE AND SHALL BE DRILLED AND ANCHORED WITH #3 REBAR SIX INCHES FROM EACH END PRIOR TO PLACING UNDERDRAIN STONE FOR STONE TRENCH. PLACE PIPE AND INSTALL PIPE HOLD DOWN CLAMPS WITH 5/8" BY 3" STAINLESS STEEL LAG SCREWS AND WASHERS.
8. INSTALL EROSION CONTROL BLANKET ON ALL DISTURBED AREAS IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL (MAY 2016) SECTION D.2. REVEGETATE WITH PERMANENT SEEDING PER MDOT SPECIFICATION SECTION 618, AND SEEDING METHOD #2 WITH ROADSIDE MIXTURE NUMBER 3.

ORIGINAL SHEET - ARCH D

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PATRICK L. CLARK
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STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title
CIVIL DETAILS

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	Sheet	Revision
C-501	14 of 21	0

NOTE:

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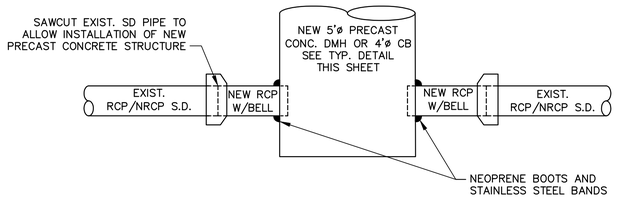
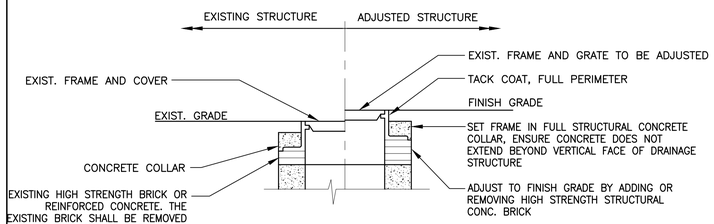


✳ CONTRACTOR SHALL VERIFY EXISTING STORMDRAIN SIZE AND ELEVATIONS SHOWN ON PLANS PRIOR TO FABRICATION. ADJUST INV. ELEVATIONS, WITH APPROVAL OF ENGINEER, AS NECESSARY.

3 EXISTING S.D. TO NEW DRAINAGE STRUCTURE CONNECTION DETAIL

NOT TO SCALE

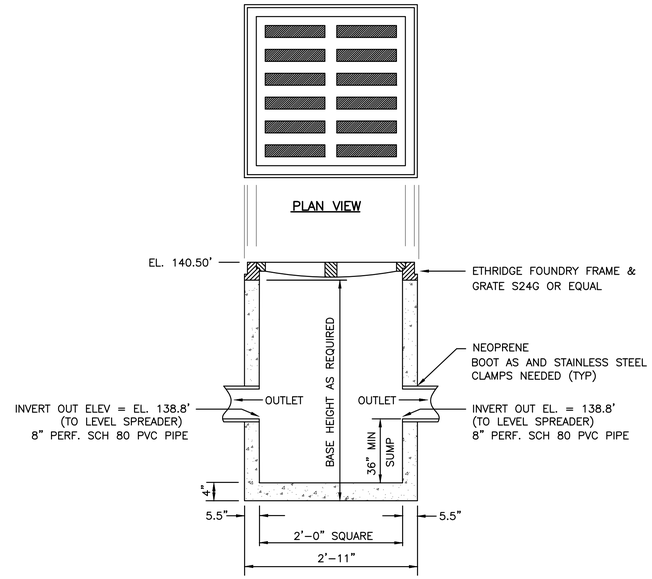


NOTE:

THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. IT IS INCIDENTAL TO THE EXCAVATION PAY ITEM.

2 ADJUST EXISTING DRAINAGE STRUCTURE DETAIL

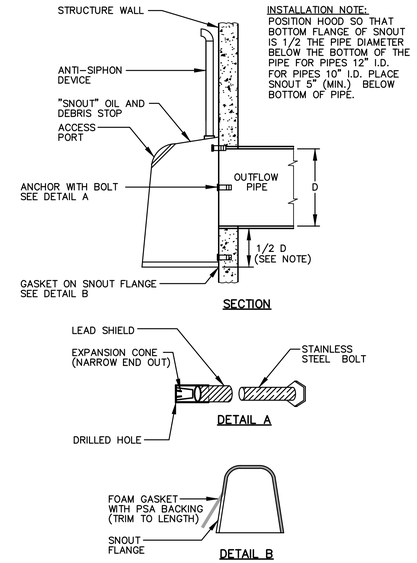
N.T.S.



NOTES:
1. CONCRETE 5000 PSI AFTER 28 DAYS.
2. REINFORCING: 1 LAYER 4x4 / 4x4 WWM.

5 FIELD INLET (LEVEL SPREADER)

N.T.S.



INSTALLATION NOTE:
POSITION HOOD SO THAT BOTTOM FLANGE OF SNOUT IS 1/2 THE PIPE DIAMETER BELOW THE BOTTOM OF THE PIPE FOR PIPES 12" I.D. FOR PIPES 10" I.D. PLACE SNOUT 5" (MIN.) BELOW BOTTOM OF PIPE.

NOTES:

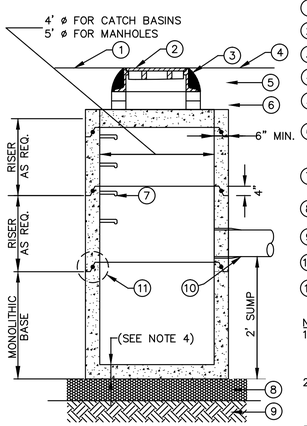
1. OUTLET HOOD SHALL BE A "SNOUT" OIL AND DEBRIS STOP SUPPLIED BY LeBARON FOUNDRY, INC. OR EQUAL.

2. CONTRACTOR SHALL REMOVE AND CLEAN ACCUMULATED SEDIMENT AND DEBRIS FROM STRUCTURE SUMPS PRIOR TO INSTALLATION OF HOODS.

3. CONTRACTOR SHALL CUT OUTLET FLUSH TO STRUCTURE WHERE REQUIRED FOR PROPER FIT.

8 DRAIN MANHOLE OUTLET HOOD DETAIL (SNOUT)

N.T.S.



1. UNPAVED SURFACE (4" TOPSOIL, SEED AND MULCH)
2. MANHOLE FRAME & COVER (LABELED DRAIN)/CB FRAME AND GRATE
3. FRAME TO BE SET IN FULL BED OF MORTAR
4. PAVED SURFACE (BITUMINOUS PAVEMENT)
5. MORTAR
6. ADJUST TO GRADE WITH BRICK OR PRECAST CONCRETE RINGS: MAX. 6" ADJUSTMENT
7. COPOLYMER POLYPROPYLENE MANHOLE STEP @ 12" O.C. (TYP) (MANHOLES ONLY)
8. 12" CRUSHED STONE
9. UNDISTURBED SUBGRADE
10. NEOPRENE BOOT AND STAINLESS STEEL CLAMPS
11. BUTYL RUBBER JOINTS

CORE HOLE SIZE

PIPE SIZE	RCP CORE HOLE DIA.		PLASTIC CORE HOLE DIA.	
INCHES	INCHES	FEET	INCHES	FEET
6			7	0.6
12	18	1.5	18	1.5
15	22	1.8	20	1.7
18	26	2.2	24	2.0
24	34	2.8	32	2.7
30	42	3.5	42	3.5
36	48	4.0	48	4.0
42	54	4.5	54	4.5
48	64	5.3	64	5.3
54	72	6.0		
60	78	6.5		

NOTES:
1. PRECAST CONCRETE STRUCTURES AND CASTINGS SHALL ACCOMODATE HS-20 LOADINGS. SUBMIT DESIGN CALCULATIONS TO ENGINEER FOR REVIEW.

2. PRECAST CONCRETE STRUCTURES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM-C-478.

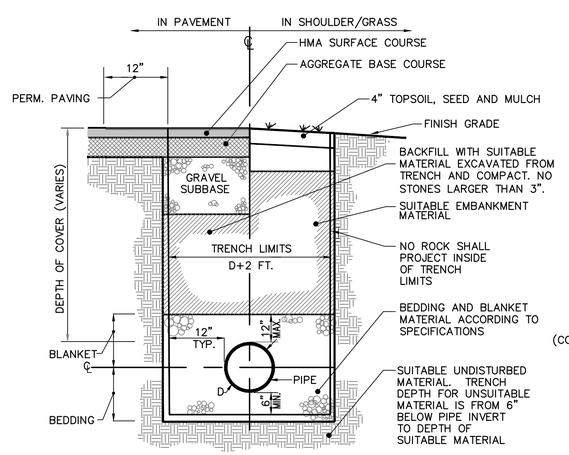
3. UNLESS OTHERWISE NOTED, MANHOLES SHALL BE 60" I.D., CATCH BASINS SHALL BE 48" I.D.

4. WALL THICKNESS SHALL BE 6" MIN FOR 4'ø STRUCTURES AND 7" FOR 5' ø STRUCTURES. FLOOR THICKNESS SHALL BE 7" MIN. FOR 4'ø STRUCTURES AND 8" FOR 5'ø STRUCTURES.

5. STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MIN OF 12" OF INSIDE SURFACE BETWEEN HOLES. NO MORE THAN 75% OF A HORIZONTAL CROSS SECTION SHALL BE HOLES CLOSER THAN 3" TO JOINTS. REFER TO CORE HOLE SIZE TABLE FOR MIN. HOLE SIZES.

1 PRECAST CONCRETE CATCH BASIN/MANHOLE DETAIL

NOT TO SCALE

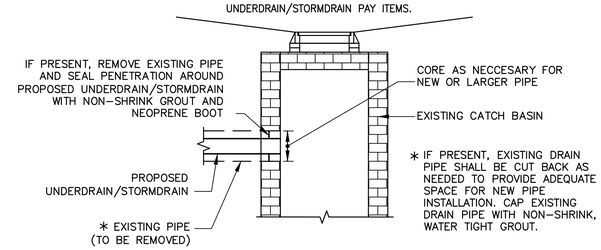


4 STORM DRAIN TRENCH DETAIL

N.T.S.

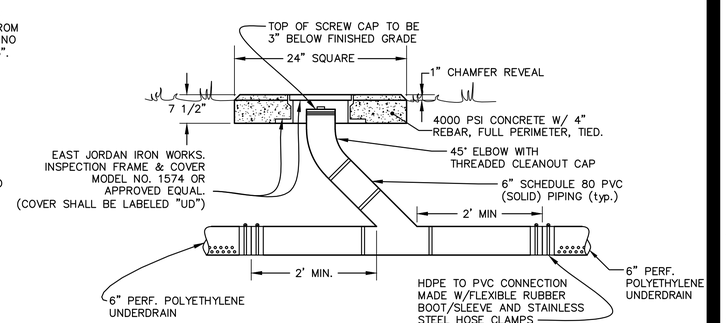
NOTE:

THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. IT IS INCIDENTAL TO THE RESPECTIVE UNDERDRAIN/STORMDRAIN PAY ITEMS.



7 STORMDRAIN/UNDERDRAIN TIE-IN TO EXISTING CATCH BASIN DETAIL

N.T.S.



6 UNDERDRAIN CLEANOUT DETAIL

NOT TO SCALE

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File Name: C-501_C-504_details.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

STATE OF MAINE
DAVID P NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

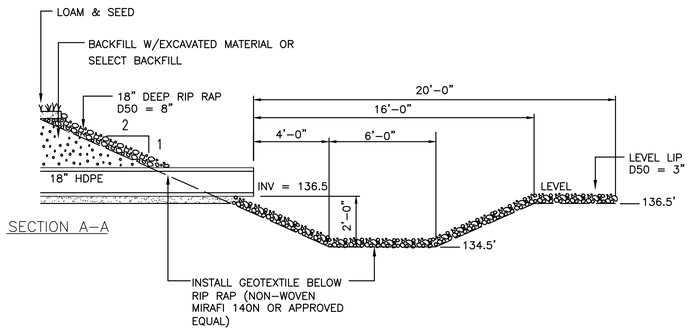
Augusta, Maine

Title
CIVIL DETAILS

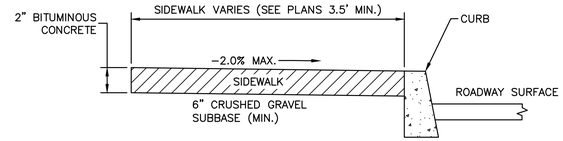
Project No.	Scale
195210829	AS NOTED

Drawing No.	Sheet	Revision
C-502	15 of 21	0

ORIGINAL SHEET - ARCH D

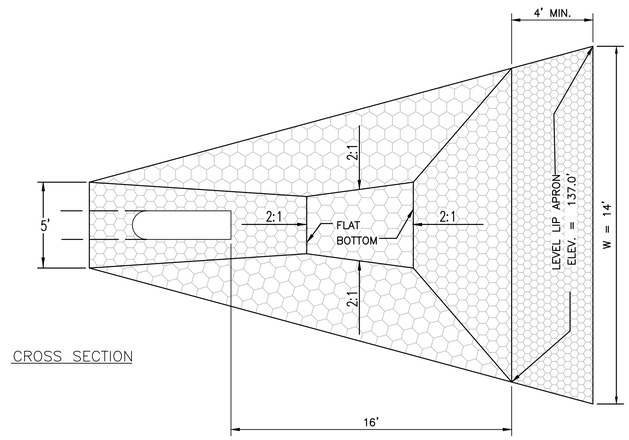


SECTION A–A



5 BITUMINOUS CONCRETE SIDEWALK

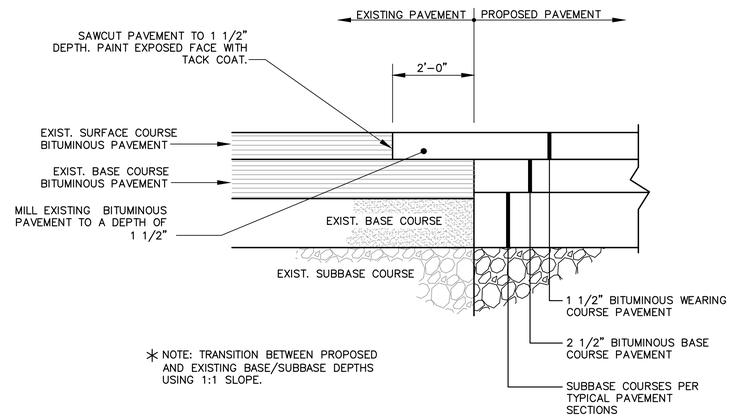
N.T.S.



CROSS SECTION

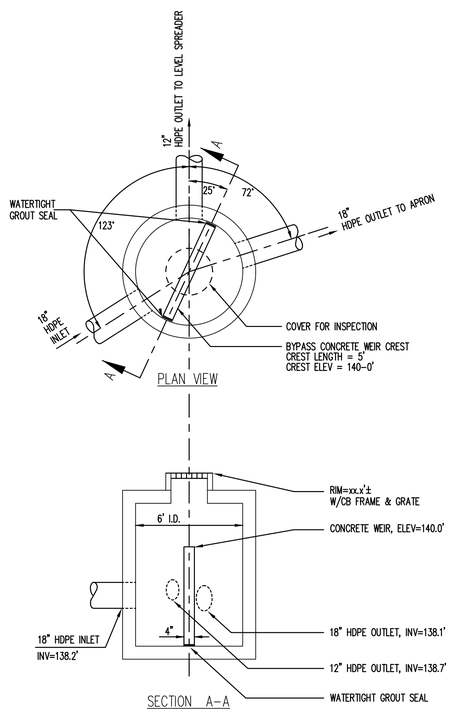
2 PLUNGE POOL APRON

N.T.S.



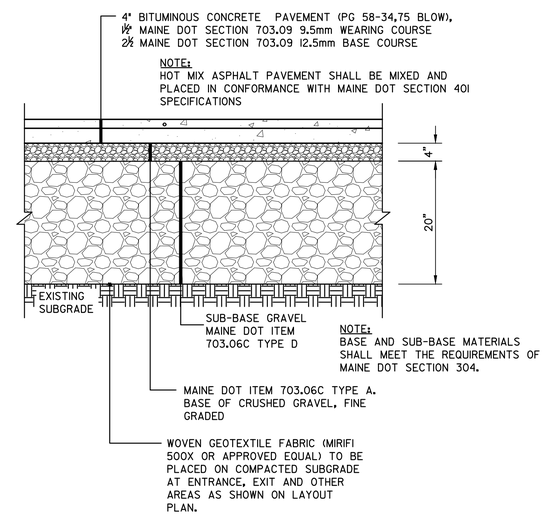
4 BITUMINOUS CONCRETE JOINT DETAIL

NOT TO SCALE



BYPASS OUTLET STRUCTURE (DMH #5)

NOT TO SCALE



3 BITUMINOUS CONCRETE PAVEMENT DETAIL

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JULY 7, 2016

STATE OF MAINE
DAVID P NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

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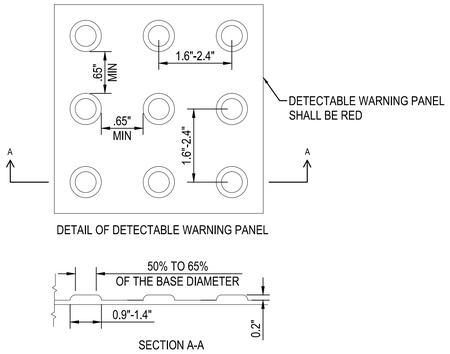
Project No.	Scale
195210829	AS NOTED

Drawing No.	Sheet	Revision
C-503	16 of 21	0

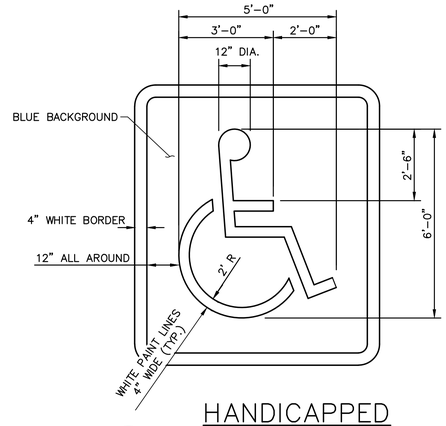
ORIGINAL SHEET - ARCH D



NOTE:
PANELS MAY BE PRECAST CONCRETE OR CAST IN PLACE OR OTHER SUITABLE MATERIAL PERMANENTLY APPLIED TO THE RAMP/BITUMINOUS PAVEMENT.

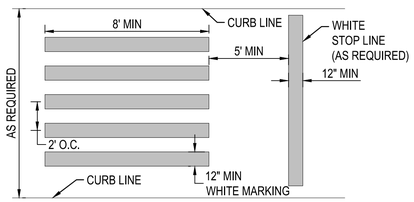
3 DETECTABLE WARNING PANEL FOR WHEELCHAIR RAMPS AND WALKWAYS

NOT TO SCALE



5 HANDICAPPED PAVEMENT MARKING

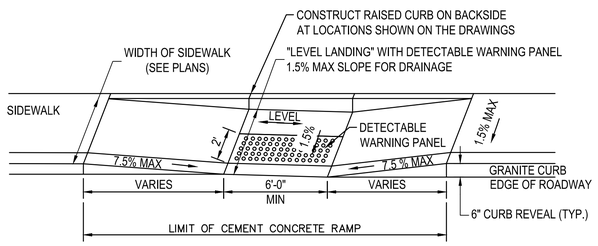
N.T.S.



NOTES:
1. ALL TWELVE INCH (12") THERMO-PLASTIC LINES SHALL BE APPLIED IN ONE (1) APPLICATION, NO COMBINATION OF LINES (I.E. TWO 6" LINES) WILL BE ACCEPTED.
2. LAYOUT OF MARKINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PAINT BEING APPLIED.

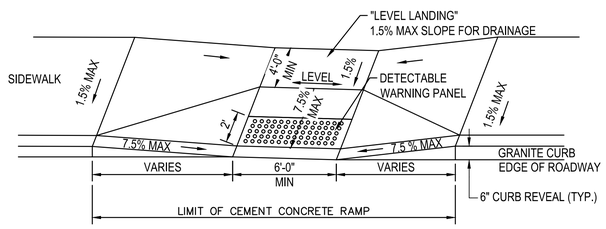
2 CROSSWALK / WALKWAY DETAIL

NOT TO SCALE



1 CURB RAMP – TYPE 1

NOT TO SCALE



4 CURB RAMP – TYPE 2

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C-504	17 of 21	0

ORIGINAL SHEET - ARCH D

BASIC STANDARDS (EROSION AND SEDIMENT CONTROL PLAN)

THIS PLAN FOR EROSION AND SEDIMENTATION CONTROL (ESC) HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROPOSED DEVELOPMENT. THIS PLAN IS BASED ON STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN THE MOST RECENT VERSION OF THE MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL FOR THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ON APPENDIX A, EROSION AND SEDIMENTATION CONTROL, OF THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES, 06-96, CHAPTER 500 STORMWATER MANAGEMENT, AMENDED DECEMBER 27, 2006. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED HEREIN AND ALL CONDITIONS INCLUDED IN THE ENVIRONMENTAL PERMITS OBTAINED FOR THIS PROJECT.

1.0 GENERAL CONSTRUCTION DETAILS

THE EQUIPMENT ANTICIPATED TO BE USED FOR CONSTRUCTION WILL LIKELY INCLUDE THE FOLLOWING: EXCAVATORS, BULLDOZERS, LOADERS, MILLING MACHINES, DUMPTRUCKS, COMPACTORS, GRADERS AND PAVERS. INTENSIVE ON-SITE EROSION CONTROL METHODS SHALL BE UTILIZED. THE FOLLOWING METHODS SHALL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ABUTTING LANDS:

1. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED WITHIN SEVEN (7) CALENDAR DAYS OF EXPOSURE OF SOIL. TEMPORARY EROSION CONTROL MEASURES SHALL INCLUDE AT A MINIMUM THE APPLICATION OF HAY OR WOOD FIBER MULCH AT A RATE OF 75-90 LBS PER 1000 SF BY THE WET APPLICATION METHOD AS OUTLINED IN THE CONTRACT SPECIFICATIONS. WITHIN 75 FEET OF A WETLAND AREA (INCLUDING LAKES AND STREAMS), MULCH SHALL BE APPLIED WITHIN 48 HOURS, OR PRIOR TO ANY STORM EVENT, WHICHEVER IS FIRST.

2. PRIOR TO ANY EARTHMOVING OPERATION, SILTATION FENCE SHALL BE INSTALLED ACROSS THE SLOPE ON THE CONTOUR AT THE DOWNHILL LIMIT OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION. SILTATION FENCE SHALL ALSO BE INSTALLED AT THE DOWNHILL LIMIT OF THE BASE OF SOIL STOCKPILES.

3. TEMPORARY SILTATION CONTROL RISERS SHALL BE INSTALLED AT ALL EXISTING CULVERT/ STORM DRAIN INLET LOCATIONS IN ACCORDANCE WITH MAINE EROSION AND SEDIMENTATION CONTROL BMP B-3.

4. INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL CATCH BASINS WITHIN THE WORK AREA AND SHOWN ON THE DRAWINGS. INLET SEDIMENT FILTERS SHALL CONSIST OF SILT SACK FILTER BAGS AS MANUFACTURED BY ACF ENVIRONMENTAL OR DANDY BAG AS MANUFACTURED BY MIRAFI.

5. ALL SILTATION FENCE SHALL BE INSPECTED BY THE CONTRACTOR ON A WEEKLY BASIS, FOLLOWING ANY SIGNIFICANT RAINFALL (1/2 INCH OR MORE) OR SNOWMELT, OR DAILY DURING PROLONGED RAINFALL. ALL DAMAGED SILTATION FENCE SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY. TRAPPED SEDIMENT SHALL BE REMOVED BEFORE IT HAS ACCUMULATED TO ONE HALF OF THE INSTALLED SILTATION FENCE HEIGHT. SILTATION FENCE NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION SHALL ALSO BE REPAIRED AND/OR REPLACED AS NECESSARY. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILTATION FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE INCORPORATED INTO THE EXISTING GRADE, SEEDED, AND MULCHED.

6. REMOVAL OF TEMPORARY SEDIMENT CONTROL MEASURES SHALL OCCUR WITHIN THIRTY (30) DAYS OF PERMANENT STABILIZATION.

7. TO PROVIDE PERMANENT PROTECTION AGAINST EROSION, RIPRAP SHALL BE PLACED AT ALL STORM DRAIN INLETS AND OUTLETS AS SHOWN ON THE CONTRACT DRAWINGS IN ACCORDANCE WITH MAINE EROSION AND SEDIMENTATION CONTROL BMP E-2 AND E-3.

8. ALL DITCH BASES TO BE SEEDED SHALL ALSO BE LINED WITH EROSION CONTROL MESH TO STABILIZE THE DITCH CHANNELS UNTIL VEGETATION IS ESTABLISHED. HAY-BALE CHECK DAMS AND TEMPORARY MULCHING SHALL BE USED TO STABILIZE ANY SECTION OF ROUGH GRADED DITCH THAT WILL NOT BE FINAL GRADED AND PERMANENTLY STABILIZED WITHIN SEVEN (7) DAYS OF INITIAL DISTURBANCE.

9. NATIVE TOPSOIL SHALL BE SAVED, STOCKPILED, MULCHED, AND REUSED AS MUCH AS POSSIBLE ON THE SITE. STOCKPILES SHALL BE STABILIZED BY SEEDING AND MULCHING WITHIN SEVEN (7) DAYS OF THE FORMATION OF THE STOCKPILE. NEAR WETLAND AREAS (INCLUDING LAKES AND STREAMS), SEEDING AND MULCHING SHALL BE COMPLETED WITHIN 24 HOURS OF THE FORMATION OF THE STOCKPILE. UPHILL OF STOCKPILES, STABILIZED DITCHES AND/OR BERMS SHALL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES. SIDE SLOPES OF TOPSOIL STOCKPILES SHALL NOT EXCEED 2:1.

10. STABILIZED CONSTRUCTION EXITS SHALL BE CONSTRUCTED WHERE CONTRACTOR ACCESS ROUTES CROSS FROM PAVED / GRAVEL ROADS ONTO TURF AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MATERIALS TRACKED FROM THE WORK AREAS AND SHALL CLEAN OR SWEEP THE AREAS FREQUENTLY AND AS NECESSARY TO MAINTAIN A CLEAN SITE AND PREVENT FURTHER TRACKING ONTO EXISTING PAVEMENTS.

1.1 SEEDING AND REVEGETATION PLAN

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE TREATED AS STATED BELOW. THESE AREAS SHALL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED.

1. LOAM SHALL BE SPREAD OVER ALL DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH OF 4 INCHES.

2. ALL EXPOSED SURFACES NOT TO BE FINAL GRADED FOR THIRTY (30) DAYS OR MORE SHALL BE SEEDED WITH WINTER RYE, OATS, ANNUAL RYEGRASS, OR SUDANGRASS PERENNIAL, DEPENDING ON THE TIME OF YEAR IN ACCORDANCE WITH MAINE EROSION AND SEDIMENTATION CONTROL BMP A-2 FOR DETAILS AND SPECIFICATIONS.

3. AGRICULTURAL LIMESTONE AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING AT THE RATE OF 1-2 TONS PER ACRE AND 15 LBS PER 1,000 SF, RESPECTIVELY, PER THE CONTRACT SPECIFICATIONS.

4. DISTURBED AREAS SHALL BE SEEDED AT THE RATE OF 1 LB. PER 1000 SF. THE SEED MIX SHALL BE SPECIFIED IN THE CONTRACT SPECIFICATIONS.

5. SEEDING SHALL BE COMPLETED BETWEEN THE DATES OF MAY 1 AND SEPTEMBER 15. IRRIGATION SHALL BE COMPLETED DURING THE PERIOD OF JUNE 1 TO AUGUST 15, AS NECESSARY.

6. AREAS WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING.

7. IN ACCORDANCE WITH MAINE EROSION AND SEDIMENTATION CONTROL BMP A-1 AND THE CONTRACT SPECIFICATIONS, HAY MULCH SHALL BE APPLIED AT THE RATE OF 75-90 LBS. PER 1000 SF. MULCH SHALL BE ANCHORED WITH BIODEGRADABLE NETTING ON STEEP SLOPES (7:1 OR GREATER) AND ON AREAS WITHIN 100 FEET OF LAKES, STREAMS, AND WETLANDS. EROSION CONTROL MIX CAN BE USED ON SLOPES BETWEEN 3:1 AND 2:1.

8. ALL MULCHES SHALL BE INSPECTED PERIODICALLY, PARTICULARLY AFTER RAINFALL. IF LESS THAN 90% OF THE DISTURBED AREA IS COVERED, ADDITIONAL MULCH SHALL BE SPREAD.

9. ALL SEDIMENT CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 90% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

1.2 FALL/WINTER SEEDING AND STABILIZATION

IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENTATION CONTROL BMP A-3, PLEASE NOTE THE FOLLOWING:

1. BY SEPTEMBER 1 OF EACH YEAR OF CONSTRUCTION -

ALL GRASS-LINED DITCHES AND CHANNELS SHALL BE CONSTRUCTED AND STABILIZED. ALL SLOPES GREATER THAN 7:1 TO BE VEGETATED SHALL BE SEEDED AND MULCHED (PAST SEPTEMBER 15, MULCH ANCHORING SHOULD BE USED ON SLOPES GREATER THAN 20:1, AND HEAVY GRADE MATS AND BIODEGRADABLE NETTING SHOULD BE USED IN CONJUNCTION ON SLOPES GREATER THAN 12:1 AND ON SIDE SLOPES OF DITCHES). IF THIS IS NOT COMPLETED THEN:

2. BY SEPTEMBER 15 OF EACH YEAR OF CONSTRUCTION -

ALL REMAINING DISTURBED SOILS HAVING A SLOPE LESS THAN 15% SHALL BE SEEDED AND MULCHED. IF THIS IS NOT COMPLETED THEN:

3. BY OCTOBER 1 OF EACH YEAR OF CONSTRUCTION -

SOD SHALL BE PLACED IN ALL DITCH CHANNELS WHERE VEGETATION HAS NOT BEEN ESTABLISHED. SOD SHALL EXTEND TO A HEIGHT OF ONE FOOT ABOVE DITCH CHANNEL BOTTOM. ALL SLOPES AND DISTURBED SOILS SHALL BE SEEDED TO A WINTER COVER CROP OF RYE AT A RATE OF 3 LBS PER 1000 SF. SLOPES LESS THAN 7:1 SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 75 LBS PER 1000 SF AND ANCHORED WITH PLASTIC NETTING. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BY NOVEMBER 1, OR IF SOD IS NOT PLACED IN THE APPROPRIATE DITCH CHANNELS, THEN:

4. BY NOVEMBER 1 OF EACH YEAR OF CONSTRUCTION -

THE DITCH SHALL BE LINED WITH STONE RIPRAP. THE SLOPE SHALL BE COVERED WITH EROSION CONTROL MIX OR STONE RIPRAP AND ALL REMAINING DISTURBED SOILS SHALL BE STABILIZED WITH SOD, OR ALTERNATIVELY:

5. BY NOVEMBER 15 OF EACH YEAR OF CONSTRUCTION -

THE DISTURBED SOIL SHALL BE MULCHED AT THE WINTER RATE (150 LBS PER 1000 SF) AND ANCHORED PROPERLY. ONLY MINIMAL CONSTRUCTION, INCLUDING VEGETATION CLEARING IN WETLANDS AND ADJACENT UPLANDSED IS ANTICIPATED TO TAKE PLACE AFTER NOVEMBER 15.

6. THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 TO APRIL 15.

   a. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME. THE EXPOSED AREA SHALL BE LIMITED TO THAT IN WHICH WORK IS TO OCCUR DURING THE FOLLOWING 15 DAYS AND THOSE AREAS THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.

   b. HAY MULCH SHALL BE APPLIED TO A DEPTH OF 4 INCHES (150 LBS. PER 1000 SF).

   c. AFTER EACH DAY OF FINAL GRADING, ANY DISTURBED AREA SHALL BE STABILIZED WITH ANCHORED MULCH OR EROSION CONTROL MESH. NO GROUND SURFACE SHOULD BE VISIBLE THROUGH THE MULCH.

   d. SOIL STOCKPILES SHALL BE MULCHED AT WINTER RATES WITHIN 24 HOURS OF STOCKING AND REESTABLISHED PRIOR TO RAIN OR SNOWFALL. NO STOCKPILES SHALL BE PLACE WITHIN 100 FEET OF LAKES, STREAMS, WETLANDS, OR OTHER NATURAL RESOURCES.

   e. ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES (WETLAND, RIVER, STREAM OR BROOK), IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION CATCH, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH AN EROSION CONTROL COVER. DURING WINTER CONSTRUCTION, A DOUBLE ROW OF SEDIMENT BARRIERS (SILT FENCE BACKED WITH HAYBALES) SHALL BE PLACED BETWEEN THE DISTURBED AREA AND THE NATURAL RESOURCE.

1.3 MONITORING DETAILS

SEDIMENTATION AND EROSION CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR, AND ALL STRUCTURES DAMAGED BY CONSTRUCTION EQUIPMENT, VANDALS, OR THE ELEMENTS SHALL BE REPAIRED IMMEDIATELY. FOLLOWING RAINSTORMS AND DURING RUNOFF EVENTS, THE SITE AND ALL STRUCTURES SHALL BE REPAIRED AND/OR ADDITIONAL EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO CONTINUING THE CONSTRUCTION.

FOLLOWING THE FINAL SEEDING, THE SITE SHALL BE INSPECTED TO ENSURE THAT THE VEGETATION HAS BEEN ESTABLISHED. RESEEDING SHALL BE CARRIED OUT, WITH FOLLOW-UP INSPECTIONS, IN THE EVENT OF ANY UNSATISFACTORY GROWTH.

AFTER THE PROJECT AREA HAS STABILIZED, THE CONTRACTOR SHALL REMOVE ALL SILTATION FENCE AND ANY OTHER TEMPORARY EROSION CONTROL MEASURES.

IMPLEMENTATION AND MONITORING OF EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNDER THE SUPERVISION OF THE PROJECT ENGINEER AND THE RESIDENT PROJECT REPRESENTATIVE FOR THE MAINE BUREAU OF GENERAL SERVICES.

2.0 INSPECTION AND MAINTENANCE

THE OWNER WILL HAVE A RESIDENT PROJECT REPRESENTATIVE (RPR) AT THE SITE DURING THE CONSTRUCTION PROJECT. THE RPR WILL CONDUCT ROUTINE INSPECTIONS IN ADDITION TO THOSE OF THE CONTRACTOR OF ALL EROSION AND SEDIMENTATION CONTROLS. THE RPR WILL ALSO BE RESPONSIBLE FOR ENSURING THAT MAINTENANCE OF EROSION AND SEDIMENTATION STRUCTURES, WHEN REQUIRED, IS PERFORMED IN A TIMELY AND EFFECTIVE MANNER. AFTER CONSTRUCTION, AN OWNER DESIGNATED PERSON, UNDER THE SUPERVISION OF BGS PROPERTY MANAGEMENT WILL CONDUCT INSPECTIONS AND PERFORM ROUTINE MAINTENANCE. THE CONTACT INFORMATION FOR BGS PROPERTY MANAGEMENT DIVISION IS AS FOLLOWS:

MS. JAN PATTERSON, DIRECTOR PROPERTY MANAGEMENT DIVISION
STATE OF MAINE, BUREAU OF GENERAL SERVICES
77 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0077
PH: (207) 287-4155

2.1 INSPECTION SCHEDULE DURING CONSTRUCTION

ALL AREAS DISTURBED BY CONSTRUCTION THAT HAVE NOT BEEN PERMANENTLY STABILIZED SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS BY THE CONTRACTOR. THESE AREAS SHALL ALSO BE INSPECTED (WITHIN 24 HOURS) FOLLOWING ANY STORM EVENT IN WHICH 0.5 INCHES OR MORE OF RAIN OCCURS IN A 24-HOUR PERIOD. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH THE SCHEDULE INDICATED ABOVE AND NOTE ANY REQUIRED CORRECTIONS IN THE DAILY INSPECTION REPORT. BLANK INSPECTION FORMS AND CERTIFICATION FORMS FOR EROSION CONTROL WILL BE SUPPLIED BY THE RPR FOR USE BY THE CONTRACTOR AND SHALL BE KEPT ON-SITE. ALL INSPECTION AND CERTIFICATION FORMS SHALL BE MADE AVAILABLE BY THE CONTRACTOR FOR INSPECTION BY MAINE DEP STAFF OR REPRESENTATIVES OF THE OWNER WHEN REQUESTED TO DO SO. COPIES OF ALL FORMS SHALL BE SUBMITTED TO THE OWNER ON A WEEKLY BASIS DURING THE LIFE OF THE PROJECT.

INSPECTIONS SHALL INCLUDE ALL AREAS OF THE SITE DISTURBED BY CONSTRUCTION ACTIVITY AND AREAS USED FOR STORAGE OF MATERIALS EXPOSED TO PRECIPITATION. INSPECTORS MUST LOOK FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE STORMWATER CONVEYANCE SYSTEM OR AN INFILTRATION AREA. SEDIMENTATION AND EROSION CONTROL MEASURES IDENTIFIED IN THIS ESC PLAN SHALL BE INSPECTED TO ENSURE PROPER OPERATION. DISCHARGE LOCATIONS, WHERE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN THE EFFECTIVENESS OF EROSION CONTROL MEASURES IN PREVENTING SIGNIFICANT IMPACTS TO WATERS OF THE UNITED STATES (INCLUDING WETLANDS). LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT.

UPON COMPLETION OF CONSTRUCTION ACTIVITIES, ALL AREAS THAT HAVE BEEN TEMPORARILY OR PERMANENTLY STABILIZED WILL BE INSPECTED BY THE ENGINEER/ RPR TO ENSURE THAT FINAL STABILIZATION HAS BEEN SUCCESSFUL.

2.2 INSPECTION PROCEDURES DURING CONSTRUCTION

THE CONTRACTOR SHALL ABIDE BY ALL STANDARD CONDITIONS OF APPROVAL FOR SITE LAW PERMITS, SUPPLEMENTAL CONDITIONS OF APPROVAL SPECIFIC TO THE PROJECT, AND BY CHAPTER 500, SECTION 10 IN ADDITION TO THOSE SPECIFIED IN 38 M.R.S.A. §372 (12).

THE CONTRACTOR SHALL KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.

INSPECTIONS SHALL BE CONDUCTED BY THE CONTRACTOR AND OVERSEEN BY THE RPR. THE FOLLOWING ITEMS SHALL BE INSPECTED AS DESCRIBED BELOW:

1. HAY BALES: HAY BALE LINES SHALL BE INSPECTED TO INSURE THAT BALES ARE INTACT AND REMAIN SNUGLY BUTTED TO EACH OTHER AND FIRMLY EMBEDDED IN THE GROUND. DEPTH OF SEDIMENT BEHIND THE BALES SHALL BE NOTED AND REMOVED IF SEDIMENT EXCEEDS ONE-HALF THE HEIGHT OF THE BALE.

2. SILT FENCE: SILT FENCE SHALL BE INSPECTED TO INSURE THAT THE FENCE LINE IS INTACT WITH NO BREAKS OR TEARS, AND THAT THE BOTTOM OF THE FABRIC IS SECURELY BURIED IN THE GROUND. AREAS WHERE THE FENCE IS EXCESSIVELY SAGGING OR WHERE SUPPORT POSTS ARE BROKEN OR UPROOTED SHALL BE NOTED AND REPAIRED. DEPTH OF SEDIMENT BEHIND THE FENCE SHALL BE NOTED AND REMOVED WHEN SEDIMENT EXCEEDS ONE-THIRD THE HEIGHT OF THE FENCE.

3. CB INLET SEDIMENT FILTER: CB INLET SEDIMENT FILTERS SHALL BE INSPECTED TO ENSURE THAT THE FILTER BAG IS OPERATING EFFECTIVELY AND IS INTACT AND THAT NO TEARS ARE ALLOWING SEDIMENT TO WASH INTO THE CATCH BASIN SYSTEM. IF TEARS ARE NOTED, THE FILTER BAG SHALL BE REPAIRED OR REPLACED.

4. RIPRAP APRONS: RIPRAP INLET AND OUTLET APRONS SHALL BE INSPECTED FOR DAMAGE AND SCOUR. OBSTRUCTIONS TO FLOW AND ACCUMULATION OF SEDIMENT SHALL BE NOTED AND REMOVED. EROSION SHALL BE REPAIRED.

5. DISCHARGE POINTS: ALL DISCHARGE POINTS SHALL BE INSPECTED, WHERE PRACTICABLE, TO MONITOR THE EFFECTIVENESS OF EROSION CONTROL MEASURES IN PREVENTING IMPACTS TO RECEIVING WATERS AND WETLANDS. IF IMPACTS TO SURFACE WATERS OR WETLANDS ARE OBSERVED, THE SOURCE OF SUCH IMPACTS SHALL BE LOCATED IMMEDIATELY AND IMPROVEMENTS MADE TO EROSION AND SEDIMENTATION CONTROLS IN ORDER TO PREVENT THE REOCCURRENCE OF IMPACTS TO SURFACE WATERS. ANY IMPACTS OBSERVED AND CORRECTIVE MEASURES TAKEN SHALL BE NOTED IN THE INSPECTION LOG AND RECORDED IN THIS ESC PLAN.

6. VEHICLE ACCESS POINTS: LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENTATION TRACKING. ANY INCIDENCES OF SEDIMENTATION TRACKING IN THESE AREAS SHALL BE CORRECTED IMMEDIATELY AND NOTED IN THE INSPECTION LOG. CORRECTIVE MEASURES TAKEN TO PREVENT FUTURE OCCURRENCES OF OFF-SITE SEDIMENT TRACKING SHALL ALSO BE RECORDED IN THE INSPECTION LOG AND ESC PLAN. IN THE EVENT THAT STABILIZED CONSTRUCTION ENTRANCES ARE REQUIRED, THE RPR WILL COORDINATE LOCATION WITH THE CONTRACTOR IN ACCORDANCE WITH SECTION B-4 OF THE BMP MANUAL.

2.3 MAINTENANCE PROCEDURES DURING CONSTRUCTION

MAINTENANCE PROCEDURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE AFTER THE NEED FOR MAINTENANCE IS RECOGNIZED. EROSION CONTROLS SHALL BE MAINTAINED AS NOTED BELOW.

1. HAY BALES: ANY BROKEN, EXCESSIVELY TILTED OR UNDERMINED HAY BALES SHALL BE PROMPTLY REPLACED OR RE-INSTALLED. WHEN SEDIMENT BUILDS UP BEHIND BALES TO ONE-HALF THE HEIGHT OF THE BALE, THE SEDIMENT SHALL BE REMOVED OR A SECOND ROW OF BALES ADDED. WASHOUTS AT THE ENDS OF THE HAY BALES SHALL BE REPAIRED AND ADDITIONAL BALES ADDED.

2. SILT FENCE: SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SILT FENCE. CARE SHALL BE TAKEN TO AVOID DAMAGING THE FENCE DURING CLEAN-OUT. ANY AREAS OF DAMAGED OR TORN FABRIC, BROKEN POSTS OR UNDERMINED FENCE SHALL BE REPAIRED IMMEDIATELY.

3. RIPRAP APRONS: SEDIMENT AND OBSTRUCTIONS TO FLOW SHALL BE REMOVED WHEN NOTED. ANY AREAS OF EROSION OR DAMAGE SHALL BE REPAIRED IMMEDIATELY.

4. CB INLET SEDIMENT FILTER: CB INLET SEDIMENT FILTERS SHALL BE REPAIRED OR REPLACED IF DAMAGED TO THE POINT WHERE THEY ARE NO LONGER FUNCTIONING AS INTENDED OR ALLOWING SEDIMENT TO WASH INTO THE CATCH BASIN SYSTEM. SEDIMENT THAT HAS ACCUMULATED TO ONE-HALF THE VOLUME OF THE FILTER BAG SHALL BE REMOVED AND DEPOSITED INTO OTHER AREAS OF THE WORK.

5. DISCHARGE POINTS: ANY SEDIMENT OR DEBRIS ACCUMULATED AT THE DISCHARGE POINTS SHALL BE REMOVED AND DISPOSED OF APPROPRIATELY. AS STATED ABOVE, IF IMPACTS TO SURFACE WATERS OR WETLANDS ARE OBSERVED, THE SOURCE OF SUCH IMPACT SHALL BE LOCATED IMMEDIATELY AND IMPROVEMENTS MADE TO EROSION AND SEDIMENTATION CONTROLS IN ORDER TO PREVENT THE REOCCURRENCE OF IMPACTS TO SURFACE WATERS.

3.0 HOUSEKEEPING

POTENTIAL POLLUTION SOURCES THAT MAY REASONABLY BE EXPECTED TO AFFECT THE QUALITY OF STORMWATER AT THE CONSTRUCTION SITE INCLUDE CONSTRUCTION DEBRIS, SOIL STOCKPILES, AND FLUIDS ASSOCIATED WITH CONSTRUCTION EQUIPMENT (FUEL AND OILS).

PRECAUTIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR WHICH MINIMIZE THE RISK OF POTENTIAL POLLUTANTS IMPACTING STORMWATER. ALL CONSTRUCTION DEBRIS AND SOIL STOCKPILES SHALL BE STABILIZED AND PLACED AWAY FROM SURFACE WATER RESOURCES AND CATCH BASINS. NO STOCKPILED MATERIAL SHALL REMAIN ON SITE AFTER THE COMPLETION OF THE PROJECT. CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

IF NECESSARY, STAGING AND STORAGE AREAS SHALL BE ESTABLISHED PRIOR TO CONSTRUCTION. STAGING AREAS SHALL BE LOCATED IN UPLAND AREAS REMOVED FROM STORMWATER CONVEYANCE CHANNELS, CATCH BASINS AND SURFACE WATERS INCLUDING WETLANDS. IF NECESSARY, CONTRACTOR SUPPLIES AND EQUIPMENT SHALL ALSO BE KEPT IN THIS DESIGNATED AREA. IT IS INTENDED THAT ALL MACHINERY AND EQUIPMENT BE FUELED AND MAINTAINED AT THE DESIGNATED STAGING AREA. HOWEVER, HEAVY MACHINERY AND EQUIPMENT SHALL BE FUELED AND MAINTAINED ON SITE WHEN NECESSARY. FUEL AND OILS SHALL NOT BE STORED IN THE PROJECT AREA.

WASTE MATERIALS: ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A MANNER THAT SHALL PREVENT MATERIALS FROM ENTERING DRAINAGE SYSTEMS INCLUDING STORM DRAIN PIPES, NATURAL CONVEYANCE CHANNELS, WETLANDS OR OTHER OFF-SITE AREAS. MATERIAL SHALL BE REGULARLY COLLECTED AND DISPOSED OF OFF-SITE IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS.

HAZARDOUS WASTE: ANY AND ALL HAZARDOUS MATERIALS SHALL BE USED AND/OR DISPOSED OF IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN A MANNER THAT IS CONSISTENT WITH STATE AND FEDERAL REGULATIONS.

3.1 SPILL PREVENTION AND RESPONSE PROCEDURES

THE FOLLOWING MEASURES AND STRATEGIES ARE INTENDED TO PROVIDE AN OVERVIEW OF PROPER SPILL PREVENTION AND RESPONSE PROCEDURES AT THE FACILITY DURING CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE THE RISK OF ACCIDENTAL SPILLS/RELEASES TO THE GREATEST EXTENT POSSIBLE.

THE ACTIVITIES AND AREAS WHERE SPILLS ARE LIKELY TO OCCUR ARE FUELING AND OILING AREAS (I.E. STAGING AREAS AND CONSTRUCTION AREAS). TO REDUCE SPILL POTENTIAL, CAUTION IS RECOMMENDED WHEN FUELING VEHICLES AND EQUIPMENT IN ORDER TO PREVENT SPILLS AND OVERFILLING. THE “TOPPING-OFF” OF FUEL TANKS SHOULD BE AVOIDED AND MATERIAL TRANSFER PROCEDURES THAT REDUCE THE CHANCE OF SPILLS SHOULD BE IMPLEMENTED.

THE SPILL RESPONSE PLAN FOR THIS CONSTRUCTION SITE SHALL BE AS FOLLOWS:

1. THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE SPILL RESPONSE PLAN DURING CONSTRUCTION.

2. SPILL RESPONSE EQUIPMENT SHALL BE STORED IN THE STAGING AREA OR OTHER KNOWN ACCESSIBLE LOCATION. THE SPILL RESPONSE EQUIPMENT SHALL INCLUDE AT A MINIMUM:

   a. SAFETY EQUIPMENT: EYE GUARDS, PROTECTIVE CLOTHING, FIRE EXTINGUISHER, AND RUBBER GLOVES.

   b. CLEAN-UP EQUIPMENT: BROOMS, BARRIERS, ABSORBENT PADS, SPEEDY-DRI OR CAT LITTER, AND CONTAINERS DESIGNATED FOR STORING COLLECTED WASTE MATERIAL.

3. IN THE EVENT OF A SPILL OR RELEASE:

   a. NOTIFY THE CITY OF AUGUSTA FIRE DEPARTMENT OF ANY EMERGENCY SPILL OR LEAK. THE PHONE NUMBER FOR EMERGENCY RESPONSE IS 911.

   b. NOTIFY APPROPRIATE STATE AGENCIES:

      I. OIL SPILLS MUST BE REPORTED TO THE MDEP AT 1-800-482-0777. THE MDEP MAY BE REACHED AT THIS NUMBER 24 HOURS/DAY.

      II. HAZARDOUS MATERIALS SPILLS MUST BE REPORTED TO THE DEPARTMENT OF PUBLIC SAFETY AT 1-800-452-4664. THE DEPARTMENT OF PUBLIC SAFETY MAY BE REACHED AT THIS NUMBER 24 HOURS/DAY.

THE FOLLOWING PROCEDURES SHALL BE FOLLOWED BY ALL PERSONNEL IN THE EVENT OF A REPORTABLE QUANTITY SPILL OR LEAK. A REPORTABLE QUANTITY RELEASE OCCURS WHEN A QUANTITY OF HAZARDOUS MATERIAL IS SPILLED OR RELEASED WITHIN ONE 24-HOUR PERIOD OF TIME AND EXCEEDS THE REPORTABLE QUANTITY LEVEL ASSIGNED TO THAT SUBSTANCE.

1. THE FACILITY IS REQUIRED TO IMMEDIATELY NOTIFY THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 FOR CHEMICAL OR OIL SPILLS THAT IMPACT SURFACE WATERS (INCLUDING WETLANDS) OR COMPROMISE WATER QUALITY STANDARDS.

2. IN THE EVENT OF A REPORTABLE QUANTITY DISCHARGE, THE FACILITY WILL ALSO SUBMIT TO THE EPA WITHIN 14 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE, A WRITTEN DESCRIPTION OF THE RELEASE (INCLUDING THE TYPE AND ESTIMATE OF THE AMOUNT OF MATERIAL RELEASED), THE DATE THAT SUCH RELEASE OCCURRED, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND STEPS TO BE TAKEN TO PROHIBIT FUTURE SIMILAR SPILLS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL APPROPRIATE CONSTRUCTION PERSONNEL RECEIVE INSTRUCTION PERTAINING TO PROPER SPILL RESPONSE AND NOTIFICATION PROCEDURES.

3.2 GROUNDWATER PROTECTION

LIQUID PETROLEUM PRODUCTS AND OTHER MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER SHALL NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN “INFILTRATION AREA” IS ANY AREA OF THE SITE THAT ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. THE APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPS) SHALL BE CONSULTED PRIOR TO ON-SITE STORAGE OF THESE MATERIALS IN ORDER TO PREVENT IMPACTS TO GROUNDWATER QUALITY.

3.3 FUGITIVE SEDIMENT AND DUST

LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED WEEKLY FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. IF OFF-SITE SEDIMENT TRACKING IS OBSERVED, THE SEDIMENT SHALL BE REMOVED AND MEASURES TAKEN TO PREVENT FUTURE OCCURRENCES OF OFF-SITE SEDIMENT TRACKING, SUCH AS A STABILIZED CONSTRUCTION ENTRANCE. IN THE EVENT THAT A STABILIZED CONSTRUCTION EXIT IS REQUIRED DURING THE PROGRESS OF THE WORK, THE RESIDENT PROJECT REPRESENTATIVE WILL COORDINATE LOCATION AND DESIGN WITH THE CONTRACTOR IN ACCORDANCE WITH SECTION B-4 OF THE BMP MANUAL.

OIL SHALL NOT BE USED FOR DUST CONTROL; DRAWING WATER FROM A STREAM WITHOUT FIRST OBTAINING A PERMIT SHALL NOT BE ALLOWED.

3.4 DEBRIS AND OTHER MATERIALS

ANY DEBRIS BLOWING OR FLOWING OFF THE SITE SHALL BE IMMEDIATELY COLLECTED. ANY UNSAFE STORAGE PRACTICES NOTED DURING INSPECTION SHALL BE IMMEDIATELY REMEDIED. CONTRACTORS SHALL UTILIZE GOOD HOUSEKEEPING PRACTICES TO MINIMIZE THE POSSIBILITY OF EROSION AND SEDIMENTATION AND SPILLS AND LEAKS OF POTENTIAL POLLUTANTS. HAZARDOUS MATERIALS SHALL BE HANDLED WITH THE UTMOST CARE IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS AND THE RECOMMENDATIONS OF THE MANUFACTURER.

GOOD HOUSEKEEPING PRACTICES SHALL ALSO INCLUDE THE MAINTENANCE OF CLEAN SURFACES BY USING BROOMS AND/OR SHOVELS, PICKING UP GARBAGE AND WASTE MATERIAL REGULARLY, CHECKING MAINTENANCE EQUIPMENT FOR PROPER OPERATION, CONDUCTING ROUTINE INSPECTIONS TO CHECK FOR LEAKS AND CONDITIONS THAT COULD LEAD TO DISCHARGE OF CHEMICALS OR CONTACT WITH STORMWATER BY WASTE MATERIALS, ENSURING SPILL CLEAN-UP PROCEDURES ARE UNDERSTOOD AND IMPLEMENTED BY CONSTRUCTION PERSONNEL, AND MAINTAINING APPROPRIATE MATERIAL STORAGE AND INVENTORY PRACTICES.

3.5 NON-STORMWATER DISCHARGES

THE FOLLOWING NON-STORMWATER DISCHARGES MAY OCCUR ON THE SITE DURING THE CONSTRUCTION PERIOD:

1. DISCHARGES FROM FIRE FIGHTING ACTIVITIES

2. WATERS (WITHOUT SOAP) USED TO WASH VEHICLES OR CONTROL DUST IN ACCORDANCE WITH EFFORTS TO MINIMIZE OFF-SITE SEDIMENT TRACKING.

ALL ALLOWED NON-STORMWATER DISCHARGES SHALL BE DIRECTED TO A STORM DRAINAGE SYSTEM OR A NATURAL CONVEYANCE CHANNEL WITHOUT IMPACTING DISTURBED AREAS. ANY ILLICIT CONNECTIONS TO THE STORMWATER DRAINAGE SYSTEM WILL BE ELIMINATED AND ANY ASSOCIATED NON-STORMWATER DISCHARGES WILL BE REPORTED IN ORDER TO ACHIEVE COMPLIANCE WITH ALL CURRENT FEDERAL, STATE AND LOCAL REQUIREMENTS.

4.0 REVISIONS

THE EROSION AND SEDIMENTATION CONTROL PLAN, INSPECTION AND MAINTENANCE PLAN, AND HOUSEKEEPING PLAN, INCLUDING PROJECT DRAWINGS, WILL BE AMENDED WHENEVER THERE IS A CHANGE IN DESIGN OR CONSTRUCTION AT THE CONSTRUCTION SITE THAT HAS OR COULD HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THIS PLAN.

THESE PLANS WILL ALSO BE AMENDED IF DURING INSPECTIONS OR INVESTIGATIONS BY THE RPR, REGULATING OFFICIALS, OR DESIGNATED FACILITY INSPECTOR, IT IS DETERMINED THAT THE PLANS ARE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES FROM THE FACILITY SITE. THE PLAN WILL BE MODIFIED AS NECESSARY TO INCLUDE ADDITIONAL BMPS DESIGNED TO CORRECT IDENTIFIED PROBLEMS. REVISIONS TO THESE PLANS WILL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.

IF EXISTING BMPS REQUIRE MODIFICATION OR IF ADDITIONAL BMPS ARE NECESSARY FOR ANY REASON, IMPLEMENTATION WILL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF INSPECTION AND PRIOR TO THE NEXT STORM EVENT. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION WILL BE DOCUMENTED IN THE PLAN AND ALTERNATIVE BMPS WILL BE IMPLEMENTED AS SOON AS POSSIBLE.

5.0 RECORD KEEPING

WITHIN 24 HOURS OF INSPECTIONS, A REPORT (LOG) WILL BE PREPARED SUMMARIZING THE SCOPE OF THE INSPECTION AND ANY CORRECTIVE ACTIONS TAKEN, THE NAMES AND QUALIFICATIONS OF THE PERSON(S) MAKING THE INSPECTIONS, AND THE DATE(S) AND TIME OF INSPECTION. THE REPORT WILL INCLUDE A DESCRIPTION OF MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS IF EXPOSED TO PRECIPITATION, AND VEHICULAR ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS WILL INCLUDE, IF NECESSARY, BMPS THAT NEED MAINTENANCE, BMPS THAT ARE NOT PERFORMING AS INTENDED OR ARE INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED.

THE INSPECTION REPORTS WILL BE SIGNED BY THE RESPONSIBLE PERSON DESIGNATED BY THE OWNER. THESE REPORTS WILL BE FILED WITH THE PLAN AND KEPT ON-SITE FOR A MINIMUM OF THREE YEARS AFTER THE DATE OF THE NOTICE OF TERMINATION (NOT). THE PERMITTEE WILL SUBMIT A NOT TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION WITHIN 20 DAYS OF ACHIEVING PERMANENT STABILIZATION AT THE SITE OR AFTER COVERAGE UNDER AN ALTERNATIVE PERMIT HAS BEEN OBTAINED.

Stantec

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Notes

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD
A CITY OF AUGUSTA SITE PLAN REVIEW			16.07.07

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
C-601_C-602_ersn_cntrl_dtls.dwg				16.06.06

Permit-Seal

ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

STATE OF MAINE
DAVID P NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

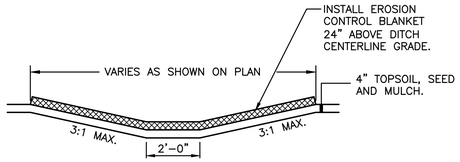
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

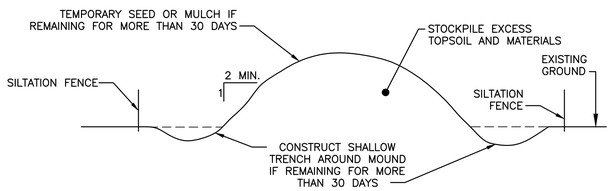
Title
EROSION CONTROL NOTES

Project No.	Scale	
195210829	AS NOTED	
Drawing No.	**Sheet**	**Revision**
C-601	18 of 21	0

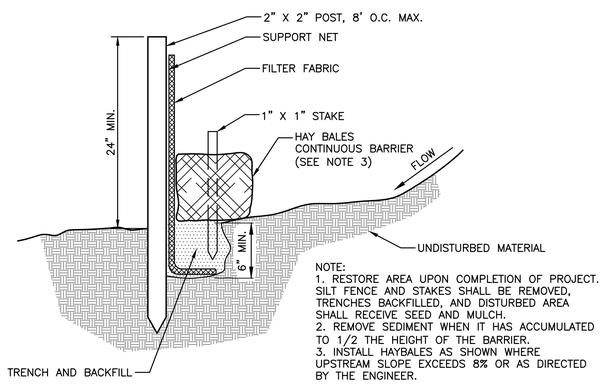
ORIGINAL SHEET - ARCH D



4 TYPICAL DITCH SECTION
N.T.S

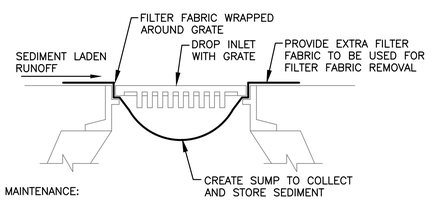


3 MATERIAL STOCKPILE DETAIL
N.T.S.



NOTE:
1. RESTORE AREA UPON COMPLETION OF PROJECT. SILT FENCE AND STAKES SHALL BE REMOVED, TRENCHES BACKFILLED, AND DISTURBED AREA SHALL RECEIVE SEED AND MULCH.
2. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO 1/2 THE HEIGHT OF THE BARRIER.
3. INSTALL HAYBALES AS SHOWN WHERE UPSTREAM SLOPE EXCEEDS 8% OR AS DIRECTED BY THE ENGINEER.

2 SILT FENCE BARRIER DETAIL
N.T.S.



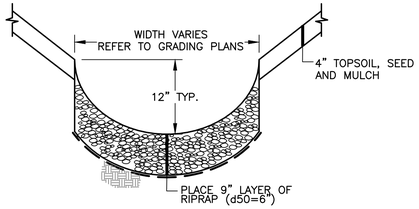
MAINTENANCE:

1. CONTRACTOR TO CLEAN AFTER EVERY STORM. IF THE BARRIER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PASSES FILTERED WATER, THE SEDIMENT SHALL BE REMOVED AND THE BARRIER SHALL BE REPLACED. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

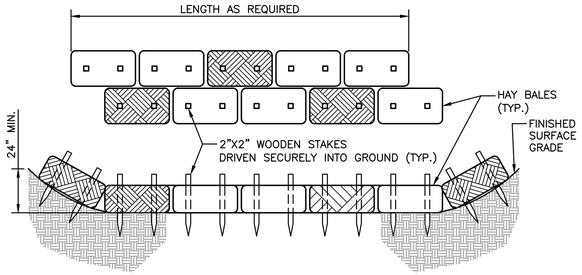
2. THE FABRIC SHALL BE REMOVED ONLY WHEN THE DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED.

3. INSTALL INLET PROTECTION AT ALL EXISTING CB'S TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION, AS WELL AS ALL NEW CB'S UNTIL DRAINAGE AREA HAS BEEN STABILIZED.

1 CB INLET PROTECTION DETAIL
N.T.S.

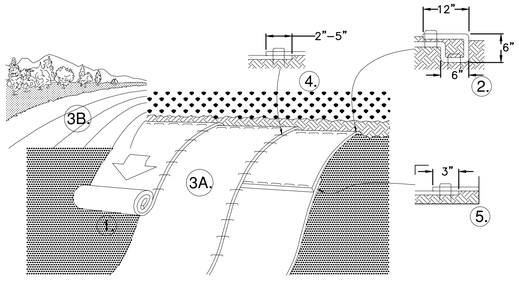


7 RIPRAP CHANNEL
NOT TO SCALE



NOTE:
TEMPORARY CHECK DAMS SHALL BE INSTALLED ACROSS ALL CONSTRUCTED SWALES, AND AT ALL AREAS OF CONCENTRATED FLOW IN PLACE OF SILT FENCE AND AS DIRECTED BY THE ENGINEER.

6 HAYBALE CHECK DAM DETAIL
N.T.S.



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" 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 BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.

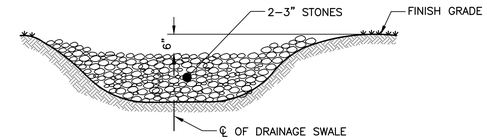
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

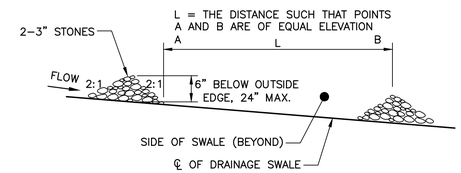
NOTE:
* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

5 EROSION CONTROL BLANKET SLOPE INSTALLATION DETAIL
N.T.S.

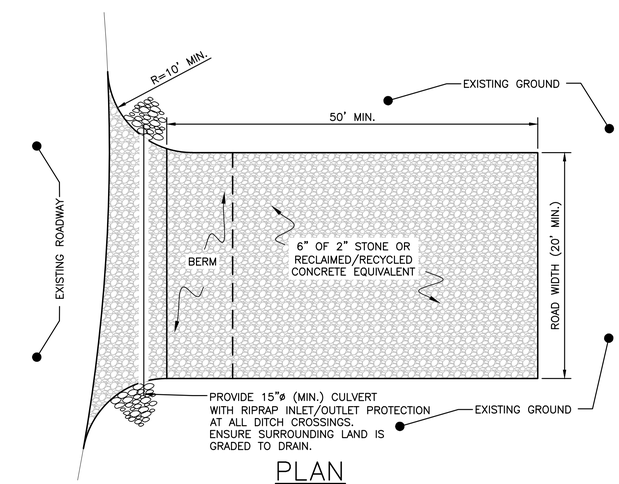


SECTION
NTS

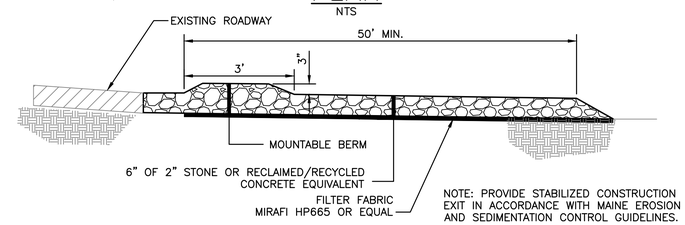
NOTE: SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE DAM.



9 STONE CHECK DAM
N.T.S.



PLAN
NTS



NOTE: PROVIDE STABILIZED CONSTRUCTION EXIT IN ACCORDANCE WITH MAINE EROSION AND SEDIMENTATION CONTROL GUIDELINES.

SECTION
NTS

8 STABILIZED CONSTRUCTION EXIT DETAIL
N.T.S.

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Notes

Revision	By	Appd.	YY.MM.DD
A CITY OF AUGUSTA SITE PLAN REVIEW			16.07.07

Issued	By	Appd.	YY.MM.DD
File Name: C-601_C-602_ersn_cntrl_dtls.dwg	Dwn.	Chkd.	Dsgn. 16.06.06 YY.MM.DD

Permit-Seal

ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

STATE OF MAINE
DAVID P NADEAU
No. 10683
LICENSED
PROFESSIONAL ENGINEER
7/7/16

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

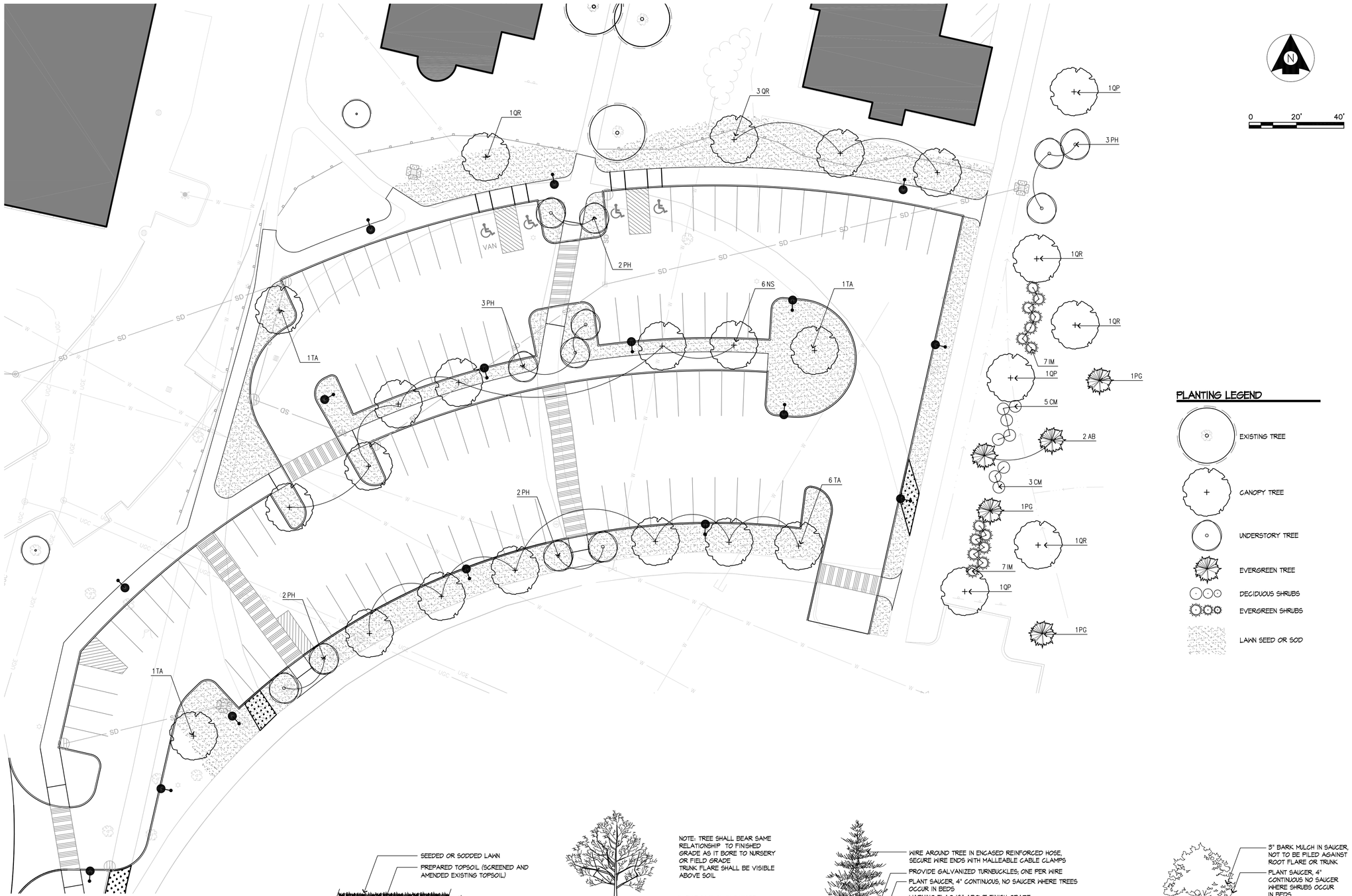
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

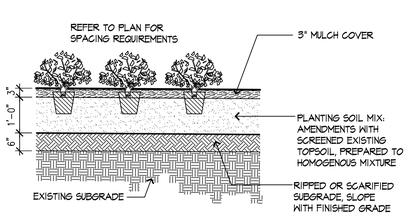
Augusta, Maine

Title
EROSION CONTROL DETAILS

Project No.	Scale
195210829	AS NOTED

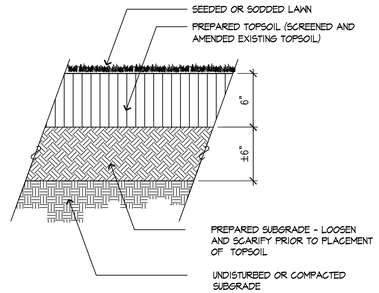
Drawing No.	Sheet	Revision
C-602	19 of 21	0





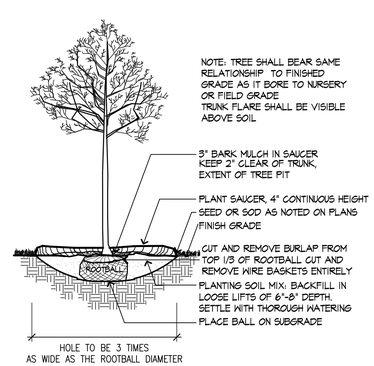
1 GROUNDCOVER AND PERENNIAL PLANTING

SCALE: 1/2"=1'-0"



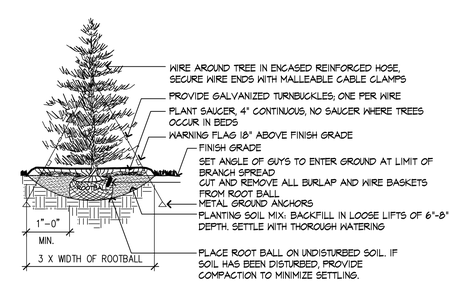
2 LOAM AND SEED/SOD

SCALE: 1 1/2"=1'-0"



3 DECIDUOUS TREE PLANTING

SCALE: 1/4"=1'-0"



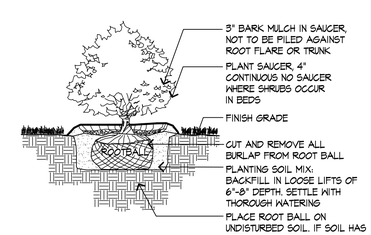
NOTE:

1. TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE

2. INSTALL THREE GUY'S PER TREE; EQUALLY SPACED AROUND BALL. ATTACH GUY'S AT 2/3 HEIGHT OF TREE; USE DOUBLE STRAND GALVANIZED STEEL WIRE

4 EVERGREEN TREE PLANTING

SCALE: 1/8"=1'-0"



NOTES:

1. SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE

2. WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2' DEEP CONTINUOUS LOAM BED.

5 DECIDUOUS SHRUB PLANTING

SCALE: 3/8"=1'-0"

ORIGINAL SHEET - ARCH D

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Notes

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1 CITY OF AUGUSTA SITE PLAN REVIEW			16.07.07

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File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

ISSUED FOR SITE PLAN REVIEW
JULY 7, 2016

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

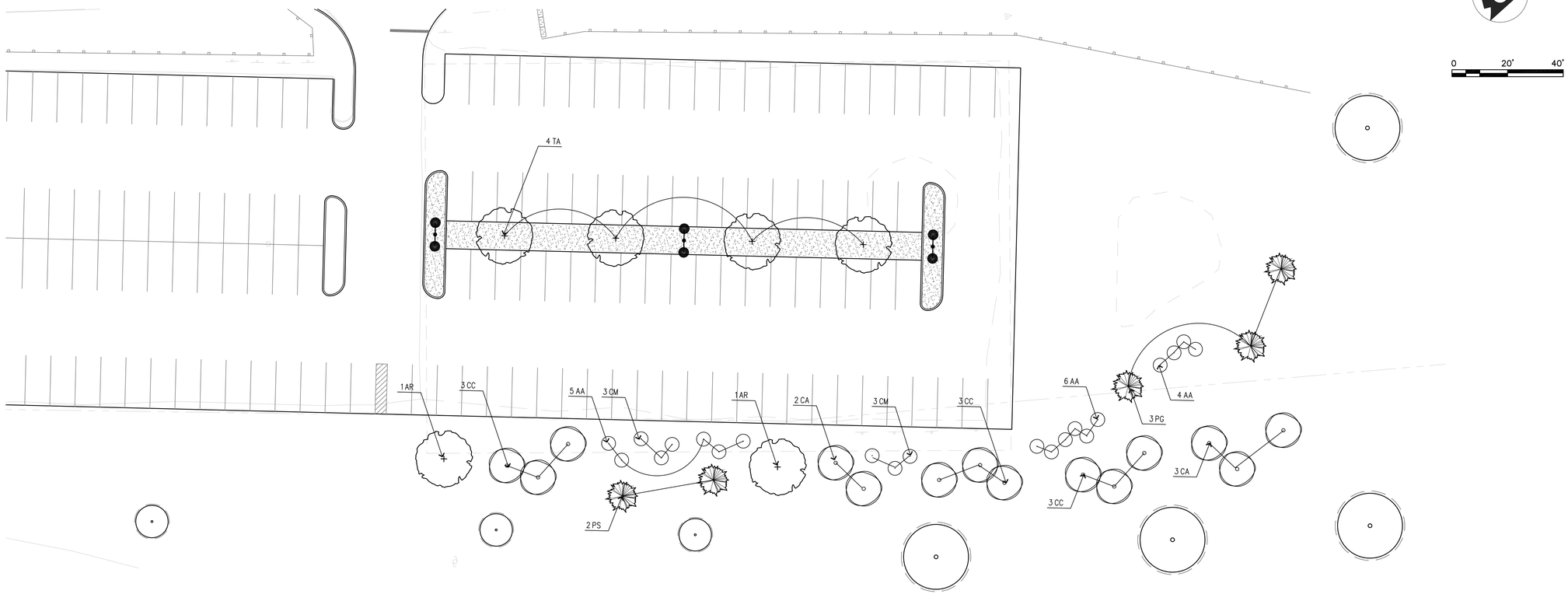
EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title
PLANTING PLAN - PARKING LOT 7E and 7F

Project No.	Scale
195210829	As Noted

Drawing No.	Sheet	Revision
L-101	of X	



PLANTING LEGEND

- EXISTING TREE
- CANOPY TREE
- UNDERSTORY TREE
- EVERGREEN TREE
- DECIDUOUS SHRUBS
- EVERGREEN SHRUBS
- LAWN SEED OR SOD

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE	COMMENT
CANOPY TREES					
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY MAPLE	2	2 –2 1/2" CAL.	
NS	NYSSA SYLVATICA	BLACK GUM	6	2 –2 1/2" CAL.	
QP	QUERCUS PALUSTRIS	PIN OAK	3	2 –2 1/2" CAL.	
QR	QUERCUS RUBRA	RED OAK	7	2 –2 1/2" CAL.	
TA	TILLIA AMERICANA	LINDEN	13	2 –2 1/2" CAL.	
UNDERSTORY TREES					
CA	CORNUS ALTERNIFOLIA	PAGODA DOGWOOD	5	1 3/4 –2" CAL.	
CC	CARPINUS CAROLINIANA SPP. VIRGINIANA	AMERICAN HORNBEAM	9	1 3/4 –2" CAL.	
PH	PRUNUS SUBHIRTELLA	HIGAN CHERRY	12	1 3/4 –2" CAL.	
EVERGREEN TREES					
AB	ABIES BALSAMEA	BALSAM FIR	2	6 – 7' HT.	
PG	PICEA GLAUCA	WHITE SPRUCE	6		
PS	PINUS STROBUS	WHITE PINE	2		
SHRUBS					
AA	AMELANCHIER ARBOREA	SERVICEBERRY	16	#7 POT	MULTI–STEM
CM	CORYLUS MAXIMA 'PURPUREA'	PURPLE FILBERT	14	#7 POT	MULTI–STEM
IM	ILEX X MESERVEAE 'CHINA GIRL'	MESERVEAE HOLLY	14	18–24"	NATURAL FORM; DO NOT SHEER

PLANTING NOTES

1. EXISTING TOPOGRAPHIC CONDITIONS AND PLANIMETRICS ARE BASED ON A FIELD SURVEY CONDUCTED BY STANTEC CONSULTING SERVICES INC. IN MARCH - MAY 2016. ADDITIONAL DATA, INCLUDING UNDERGROUND UTILITIES AND STRUCTURES WERE TAKEN FROM AS-BUILT DRAWINGS PROVIDED BY THE OWNER AND HAVE NOT BEEN FIELD VERIFIED BY STANTEC.
2. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
3. CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL WRITTEN ACCEPTANCE OF PLANT MATERIAL.
4. LANDSCAPE ARCHITECT TO FLAG ALL TREES TO BE TRANSPLANTED PRIOR TO CONSTRUCTION START.
5. CONTRACTOR SHALL VERIFY ALL TREE REMOVALS AND/OR TRANSPLANTS WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION START.
6. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
7. MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
8. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THIS DRAWING.
9. ALL MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
10. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
11. ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
12. MULCH FOR PLANTED AREAS TO BE AGED PINE BARK; PARTIALLY DECOMPOSED, DARK BROWN IN COLOR AND FREE OF WOOD CHIPS THICKER THAN 1/4 INCH.
13. PLANTING SOIL MIX: LOAM THOROUGHLY INCORPORATED WITH ROTTED MANURE PROPORTIONED 5 C.Y. TO 1 C.Y. OR EQUIVALENT. FERTILIZER ADDED PER RECOMMENDED RATES OF SOILS ANALYSIS.
14. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.
15. ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT THE NURSERY, AND AT THE SITE.
16. ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDED WITH A MINIMUM DEPTH OF 6" DEPTH TOPSOIL.
17. PLANT SIZE AND QUANTITY SHALL NOT CHANGE WITHOUT APPROVAL OF OWNER'S REPRESENTATIVE.

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JULY 7, 2016

Client/Project
STATE OF MAINE
BUREAU OF GENERAL SERVICES

EAST CAMPUS
INFRASTRUCTURE IMPROVEMENTS

Augusta, Maine

Title
PLANTING PLAN - PARKING LOT 1A

Project No. 195210829
Scale As Noted
Drawing No. L-102
Sheet
Revision
of X

ORIGINAL SHEET - ARCH D