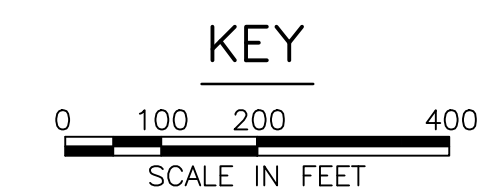
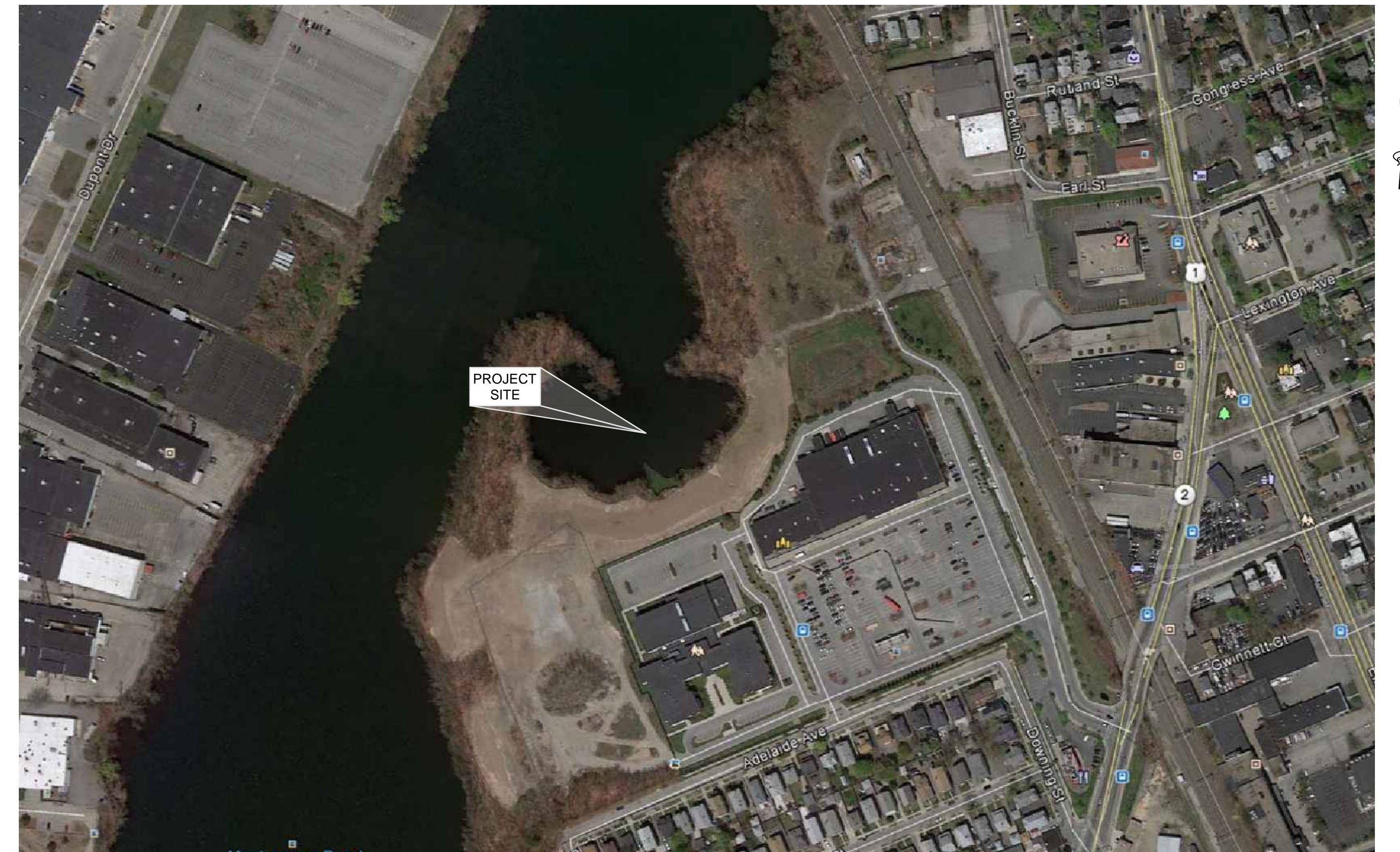
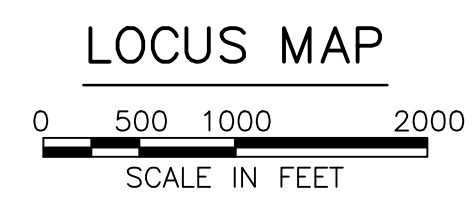
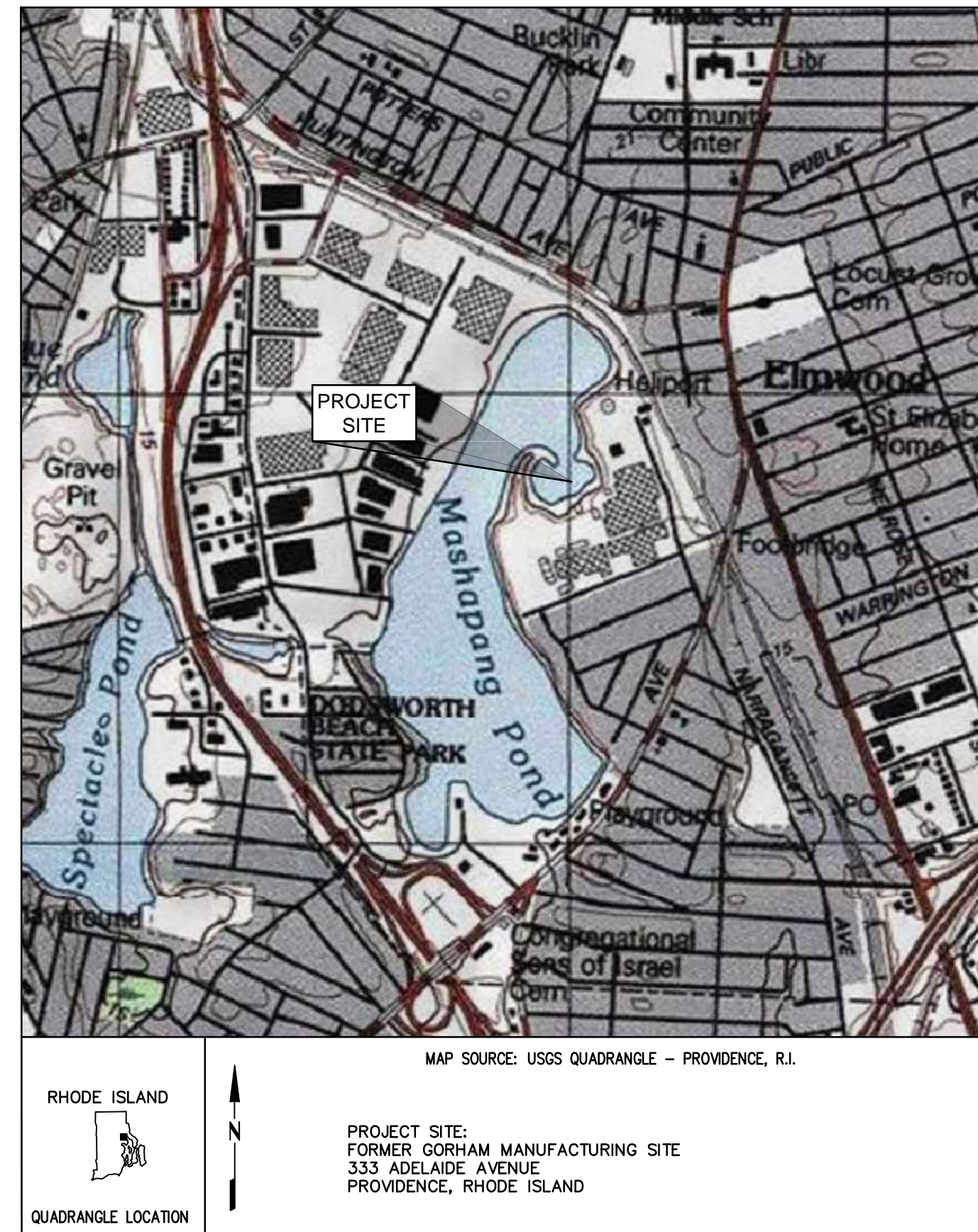


TEXTRON, INC. PHASE II, III, AND PARCEL C CAP FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RHODE ISLAND JUNE, 2015



DRAWING INDEX

SHEET NUMBER	DRAWING TITLE	DISCIPLINE NUMBER
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2	EXISTING CONDITIONS SITE PLAN	C-001
3	DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN, SHEET 1 OF 3	C-002
4	DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN, SHEET 2 OF 3	C-003
5	DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN, SHEET 3 OF 3	C-004
6	TEMPORARY DEWATERING, EXCAVATION AND MATERIAL STAGING PLAN	C-101
7	PROPOSED SITE PLAN, SHEET 1 OF 3	C-102
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13	DETAILS, SHEET 2 OF 3	C-502
14	DETAILS, SHEET 3 OF 3	C-503

PREPARED FOR:

TEXTRON

PREPARED BY:

amec foster wheeler

ISSUED FOR CONSTRUCTION

GENERAL NOTES:

- 1. PLANS HAVE BEEN COMPILED FROM ON-SITE INVESTIGATIONS, GIS, LIDAR, AND SURVEY. SEE PLAN REFERENCES FOR FURTHER INFORMATION.
2. ELEVATIONS BASED UPON THE CONTROL DATUM SHOWN ON V-101.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO CONSTRUCTION...

GRADING, DRAINAGE, AND EROSION CONTROL NOTES:

- 1. NO VEGETATION SHALL BE DISTURBED EXCEPT AS DESCRIBED IN THE CONTRACT DOCUMENTS OR AS NECESSARY FOR GRADING PURPOSES AND ONLY AS APPROVED BY THE ENGINEER. NO HEAVY EQUIPMENT SHALL BE OPERATED OR STORED AND NO MATERIALS SHALL BE HANDLED OR STORED WITHIN THE DRIP LINES OF UNDISTURBED TREES OR WITHIN 50 FEET FROM THE LIMIT OF WETLANDS AND/OR MASHAPAUG POND.
2. PERMANENT CONTROLS OR SURFACE STABILIZATION SHALL COMMENCE AS SOON AS PRACTICABLE BUT IN NO CASE MORE THAN 14 DAYS AFTER COMPLETION OF FILLING AND GRADING ACTIVITIES...

INNER COVE:

- 1. MATERIALS USED FOR ACCESS ROAD AND SEDIMENT COVER MUST BE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. ANY SEDIMENT OR SOIL REMOVAL REQUIRED TO CONSTRUCT OR MAINTAIN THE ACCESS ROAD SHALL BE MANAGED IN THE SAME MANNER AS INNER COVE SEDIMENT OR PHASE III SOILS.
2. TEMPORARY ACCESS ROAD SHALL BE REMOVED AFTER SEDIMENT REMOVAL AND INNER COVE CAP INSTALLATION IS COMPLETE. ALL SEDIMENT, WETLAND, AND SOIL AREAS IMPACTED BY THE ACCESS ROAD SHALL BE RESTORED ACCORDING TO SPECIFICATIONS FOR THE AREAS...

SUGGESTED CONSTRUCTION SEQUENCE:

- 1. ESTABLISH VERTICAL AND HORIZONTAL CONTROL.
2. INSTALL EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN AND AS REQUIRED PRIOR TO SITE DISTURBANCE.
3. CLEAR AND GRUB TO THE LIMITS SHOWN ON THE PLANS AS DEPICTED BY THE 'LIMIT OF DISTURBANCE' LINE.
PARCEL C
1. REGRADE EXISTING SOILS TO PREPARE THE SUBGRADE ELEVATIONS AS SHOWN.
2. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE PARCEL C UPLAND SOIL CAP.
3. SEED AND STABILIZE THE PARCEL C CAP.
INNER COVE
1. PREPARE PARCEL C-1 UPLAND AREA FOR DEWATERING TREATMENT SYSTEM AND SEDIMENT PROCESSING. IMPLEMENT WILD LIFE MANAGEMENT PLAN THEN INSTALL TURBIDITY CURTAIN.
2. INSTALL SHORING AND DEWATERING SYSTEM (PER CONTRACTOR SUBMITTED AND ENGINEER APPROVED METHOD).
3. INSTALL TEMPORARY GRAVEL ACCESS ROAD TO INNER COVE.
4. COMPLETE INNER COVE REMOVAL OF IMPACTED SEDIMENTS.
5. COMPLETE PROCESSING/DEWATERING/STABILIZATION OF DREDGED SEDIMENT.
6. CONSOLIDATE PROCESSED SEDIMENT WITHIN PROPOSED LIMITS AS SHOWN.
7. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE INNER COVE SEDIMENT SOIL CAP.
8. REMOVE SHORING PER APPROVED METHOD FOR INNER COVE RESTORATION AND REMOVE TURBIDITY CURTAIN.
9. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE CONSOLIDATED SEDIMENT SOIL CAP.
10. SEED AND STABILIZE THE CONSOLIDATED SEDIMENT CAP.
PARCEL C-1
1. REMOVE ALL INNER COVE SEDIMENT DEWATERING AND PROCESSING MATERIALS.
2. REGRADE EXISTING SOILS TO PREPARE THE SUBGRADE ELEVATIONS.
3. INSTALL CAPPING MATERIALS FOR COMPLETION OF THE PARCEL C-1 SOIL CAP.
4. SEED AND STABILIZE THE PARCEL C-1 CAP.
5. SITE RESTORATION AND CLEAN-UP.

PLAN REFERENCES:

- 1. PLAN PREPARED BY THE U.S. ARMY CORPS OF ENGINEERS, ENTITLED 'SEWER SYSTEM' DATED SEPTEMBER 1943 AND REVISED OCTOBER 1943 (AS-BUILT) ORIGINAL SCALE: 1" = 100'
2. SELECTED SITE FEATURES DIGITIZED FROM DIVERSIFIED TECHNOLOGY CONSULTANTS' FIGURE 7 TITLED 'BATTERY HAMILTON AND BORING/SAMPLING LOCATIONS' DATED AUGUST 8, 1999 FROM THE 'RESEARCH AND ASSESSMENT STUDY' DATED OCTOBER 2000.
3. WETLAND DELINEATION COMPLETED BY VANASSE HANGEN BRUSTLIN, INC. (VHB) DATED MAY 2004.
4. WETLAND DELINEATION REVIEWED IN THE FIELD BY RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, DATED AUGUST 2011.
5. TOPOGRAPHIC (1-FOOT CONTOURS) AND LOCATION SURVEY COMPLETED BY CABCO CONSULT, INC. PLAN TITLED 'TOPOGRAPHIC PLAN OF LAND' DATED MAY 24, 2007.
6. PARCEL B TOPOGRAPHY AND FIELD SURVEY COMPLETED BY EDWARD ROWSE ARCHITECTS. PLAN TITLED 'PROVIDENCE HIGH SCHOOL, GORHAM MILLS, PROVIDENCE RHODE ISLAND, SITE PLAN DATED 2007.
7. PARCEL A TOPOGRAPHY AND FIELD SURVEY COMPLETED BY VANASSE HANGEN BRUSTLIN, INC. (VHB). PLAN TITLED 'RETAIL DEVELOPMENT SITE PLAN' DATED 2001.
8. BATHYMETRIC CONTOURS OF MASHAPAUG COVE AND MASHAPAUG POND COMPLETED BY TG&B MARINE DATED DECEMBER, 2011.
9. AS-BUILT SURVEY OF PHASE I WORK COMPLETED BY E.T.&L. DATED NOVEMBER 2012.

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Full Name. Includes AMTRAK, APPROX, BMPs, CB, CL, CONC, DIA, Ø, E, ELEV, FEET, GPM, LLDPE, ID, INCHES, LF, MAX, MH, MIN, MW, N, NBC, NTS, OD, OZ, PPM, PVC, SB, SF, TYP.

GENERAL LEGEND:

Legend table listing symbols and descriptions: 5 FT EXISTING CONTOUR, 1 FT EXISTING CONTOUR, EXISTING TREE LINE, LARGE DIAMETER TREE, LIMIT OF WETLAND, EDGE OF WATER, 50' PERIMETER WETLAND LINE, PROPERTY LINE, EXISTING PAVEMENT, EXISTING LIMIT OF SURFICIAL FILL, EXISTING TURBIDITY CURTAIN, EXISTING DRAIN LINE, EXISTING STRUCTURE, EXISTING MONITORING WELL, EXISTING SURFACE WATER AND SEDIMENT SAMPLE LOCATION, EXISTING WELLS TO BE SAMPLED (BY OTHERS), EXISTING WELL TO BE ABANDONED, EXISTING FENCE TO BE REMOVED, EXISTING FENCE, WETLAND FLAG, EXISTING SOIL CAP, EXISTING GEOMEMBRANE CAP, PROPOSED 1FT CONTOUR, PROPOSED 5FT CONTOUR, PROPOSED TURBIDITY CURTAIN, PROPOSED LIMIT OF DISTURBANCE, PROPOSED LIMIT OF WORK, PROPOSED SILT FENCE, PROPOSED AUGMENTED SILT FENCE, PROPOSED GRAVEL ACCESS, PROPOSED EDGE OF GRAVEL, PROPOSED MONITORING WELL, PROPOSED TREE LINE, PROPOSED FRINGE WETLAND CAP, PROPOSED PERIMETER WETLAND CAP, PROPOSED UPLAND CAP, PROPOSED INNER COVE CAP, PROPOSED EROSION CONTROL MATTING FOR SLOPES 3:1, DETAIL NUMBER, SHEET NUMBER.

amec foster wheeler logo and contact information: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC. 271 MILL ROAD CHELMSFORD MASSACHUSETTS 01824

Revision table with columns: NO., DATE, REVISION, ISSUED BY, APPROVED. Includes entries for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32.

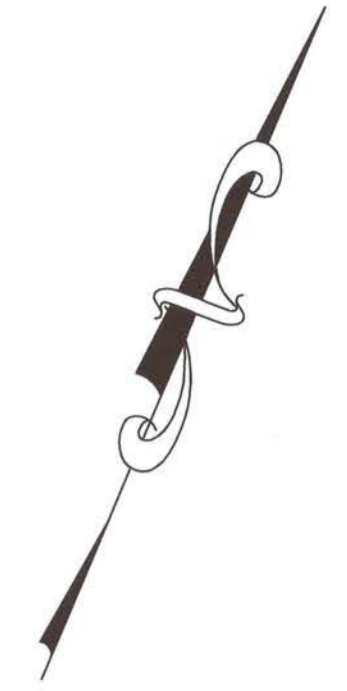
CLIENT: TETTRON, INC. PHASE II, III, AND PARCEL C CAP FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RI

TETTRON logo

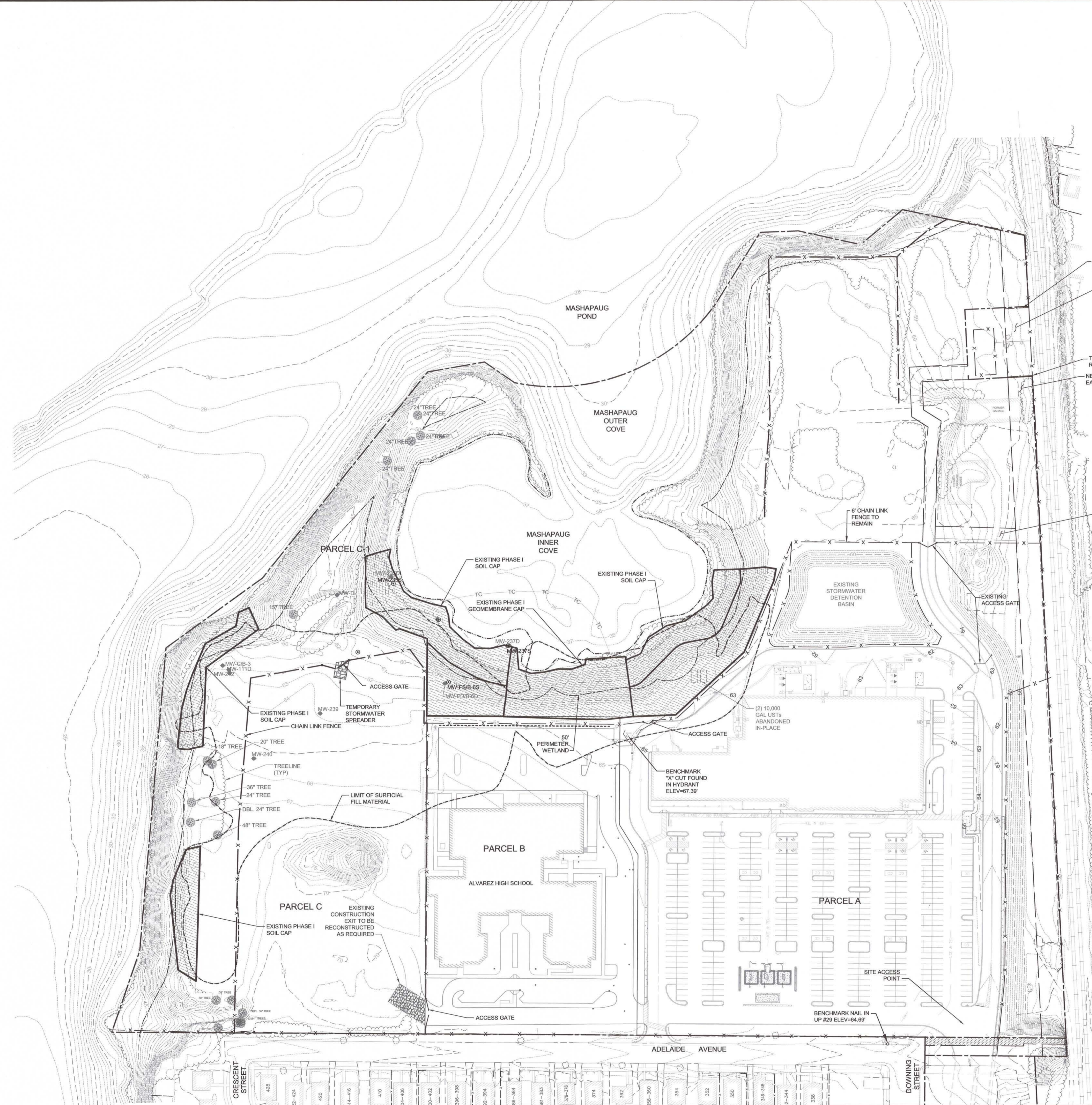
Professional Engineer seal for Robert J. Bukowski, No. 9217, Registered Professional Engineer.

Design and Check information: DESIGNED BY: DAA, DRAWN BY: DED, CHECKED BY: TD, SCALE: NONE, PROJECT NUMBER: 3652140032, DRAWING NUMBER: G-001, SHEET NUMBER: 1 OF 14

ISSUED FOR CONSTRUCTION



NOTES:
 1. SEE SHEET 1 FOR PLAN REFERENCES.
 2. SEE SHEET 1 FOR LEGEND AND NOTES.



TEMPORARY REMOVABLE FENCE
 NO VEHICLE ACCESS WITHIN TEMPORARY FENCE
 TEMPORARY REMOVABLE FENCE
 NBC SEWER EASEMENT
 CITY SEWER EASEMENT NOTE: CITY SEWER EASEMENT MAY BE USED BY CONTRACTOR FOR INGRESS/EGRESS, BUT SHALL BE MADE AVAILABLE TO AMTRAK AND CITY PERSONNEL IMMEDIATELY UPON REQUEST

REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
1	08/24/2015	ISSUED FOR CONSTRUCTION	DAA	RJB
0	05/11/2015	ISSUED FOR BID	DAA	RJB
A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

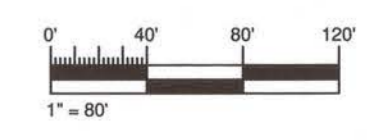
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 TITLE: **EXISTING CONDITIONS SITE PLAN**



CLIENT: **TEXTRON**

DESIGNED BY: DAA
 CHECKED BY: TD
 PROJECT NUMBER: 3652140032
 DRAWING NUMBER: **C-001**
 SHEET NUMBER: **2 OF 14**

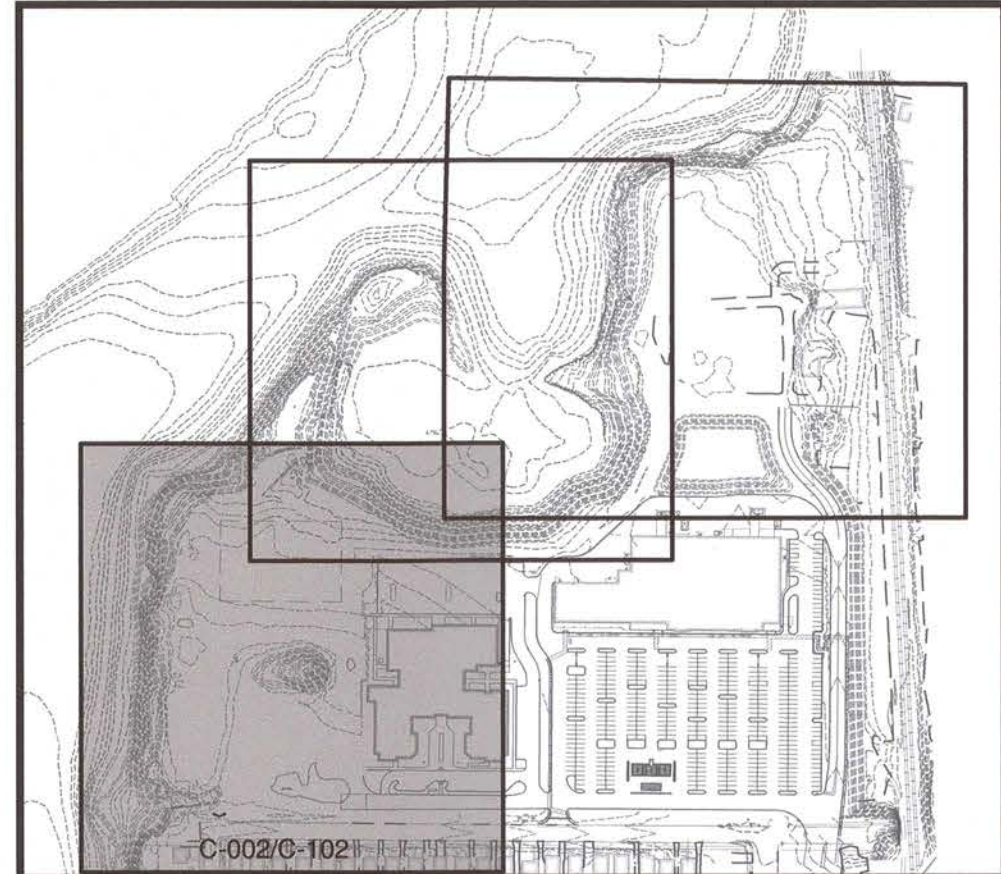
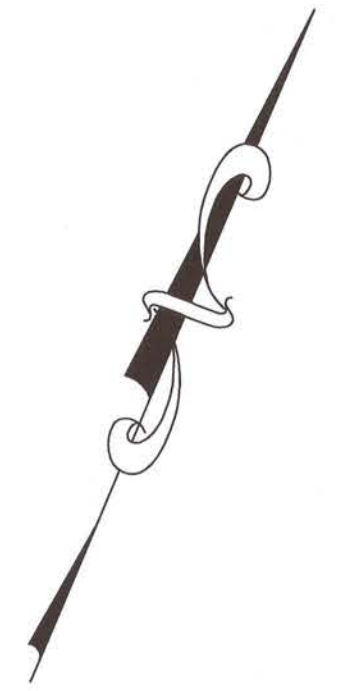
REGISTERED PROFESSIONAL ENGINEER
 No. 9217
 ROBERT J. BUKOWSKI



ISSUED FOR CONSTRUCTION



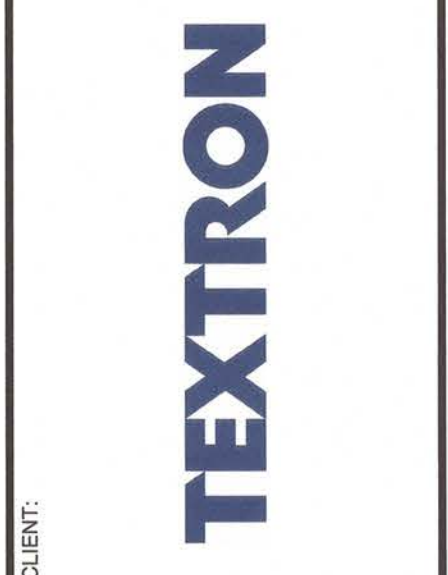
AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE, INC.
271 MILL ROAD
CHELMSFORD MASSACHUSETTS 01824
TELEPHONE: (978) 682-8090
FAX: (978) 692-8653
WEB: WWW.AMECFW.COM



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PROJECT: **TEXTRON, INC.**
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
PROVIDENCE, RI

TITLE: **DEMOLITION, EROSION AND**
SEDIMENTATION CONTROL PLAN
SHEET 1 OF 3



CLIENT: ROBERT J. BUKOWSKI

No. 9217

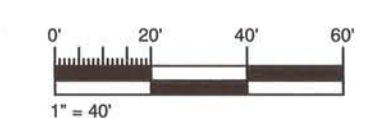
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY: DAA
DRAWN BY: DED

CHECKED BY: TD
SCALE: AS SHOWN

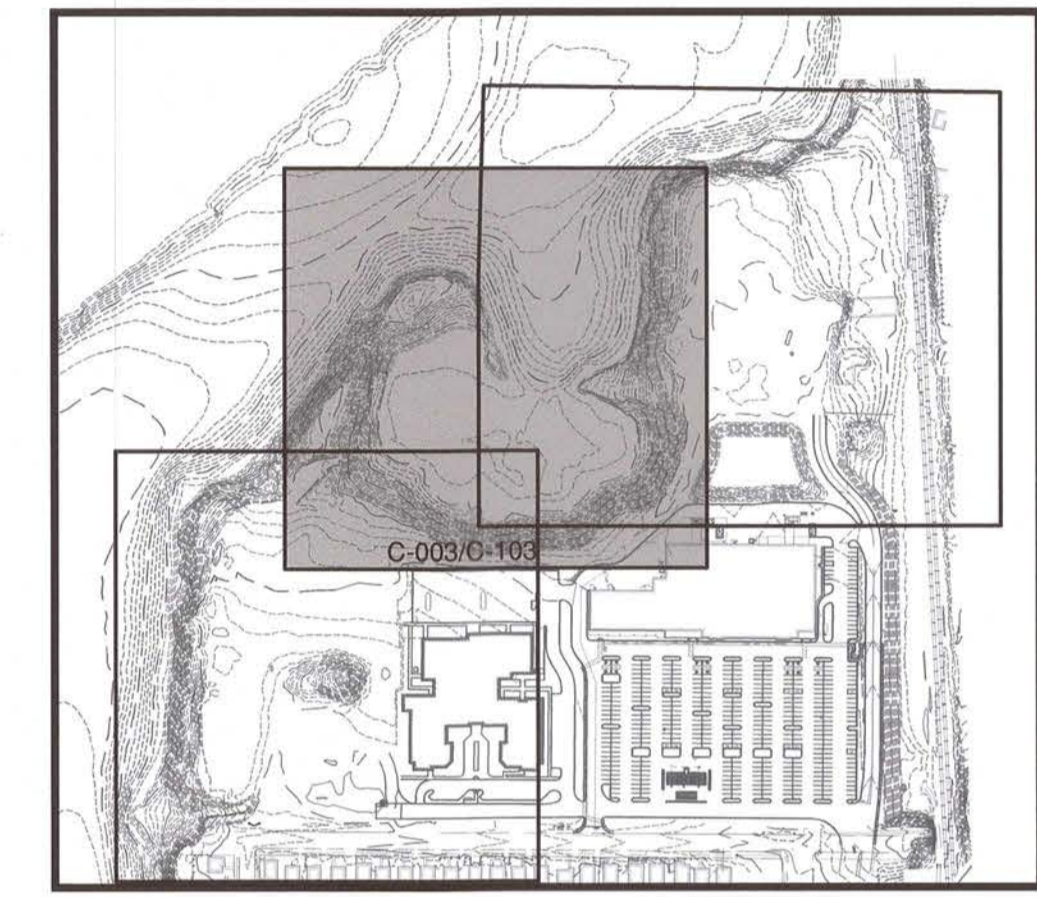
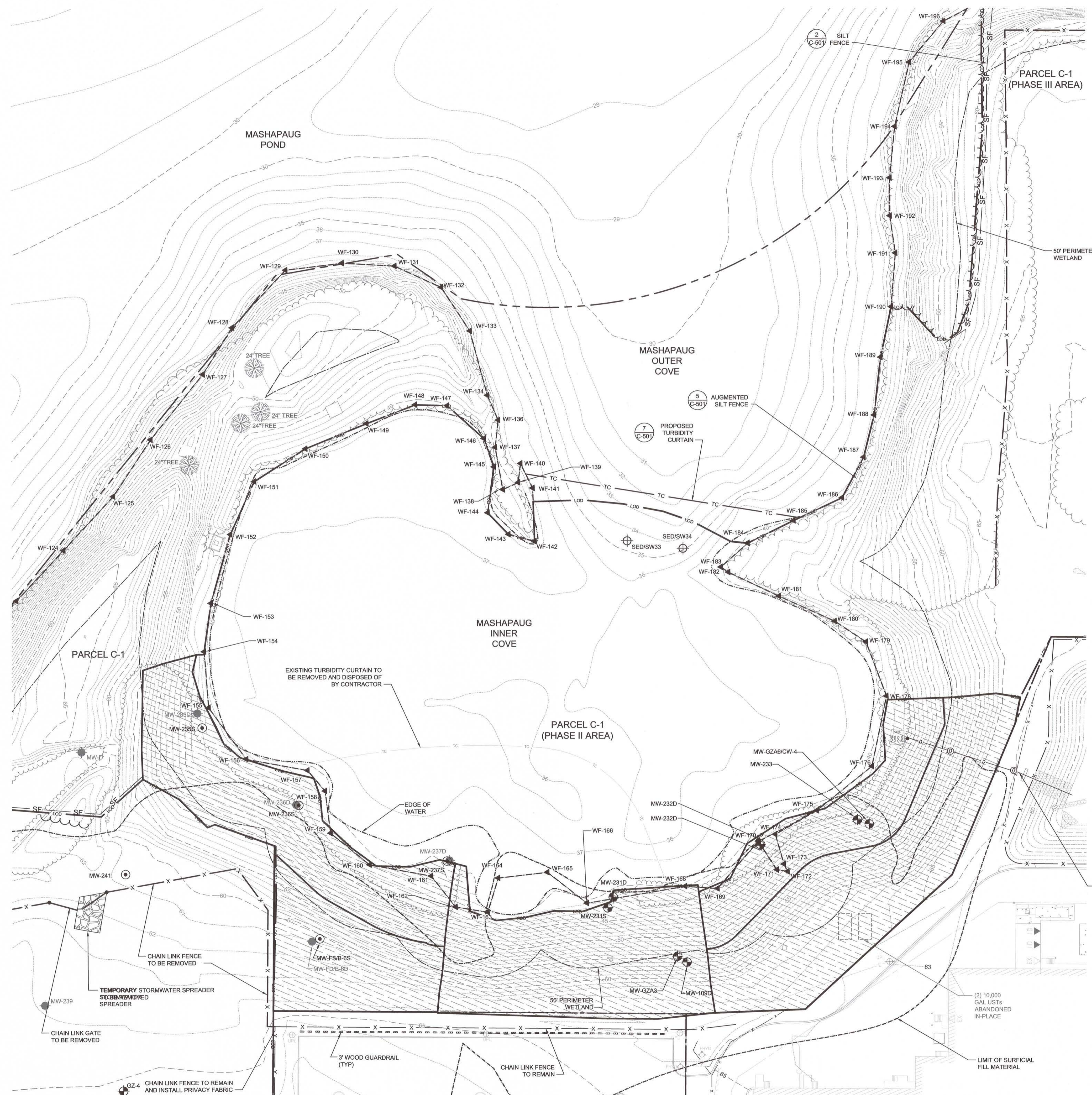
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DRAWING NUMBER: **C-002**
SHEET NUMBER: **3 OF 14**

- NOTES:
- SEE SHEET 1 FOR PLAN REFERENCES.
 - SEE SHEET 1 FOR LEGEND AND NOTES.



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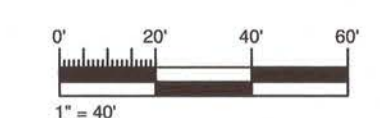




KEY
NOT TO SCALE

EXISTING STORMWATER DETENTION BASIN DISCHARGE TO BE PLUGGED DURING COVE DEWATERING, DREDGING, AND CAP INSTALLATION ACTIVITIES. CONTRACTOR TO MANAGE STORMWATER WITHIN DETENTION BASIN USING TEMPORARY SUBMERSIBLE PUMPS AS DIRECTED BY ENGINEER. DISCHARGE SHALL BE WITHIN PROPOSED TURBIDITY CURTAIN AND DISPERSED TO AVOID DISTURBANCE OF POND SEDIMENT.

- NOTES:
- SEE SHEET 1 FOR PLAN REFERENCES.
 - SEE SHEET 1 FOR LEGEND AND NOTES.

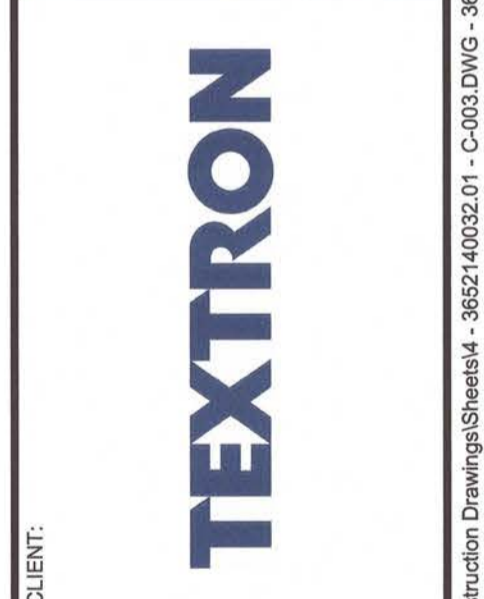


ISSUED FOR CONSTRUCTION

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0	05/11/2015	ISSUED FOR BID	DAA	RJB
A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

PROJECT: **TEXTRON, INC. PHASE II, III, AND PARCEL C CAP FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RI**

TITLE: **DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN SHEET 2 OF 3**



CLIENT: **ROBERT J. BUKOWSKI**

No. **9217**

REGISTERED PROFESSIONAL ENGINEER CIVIL

Robert J. Bukowski

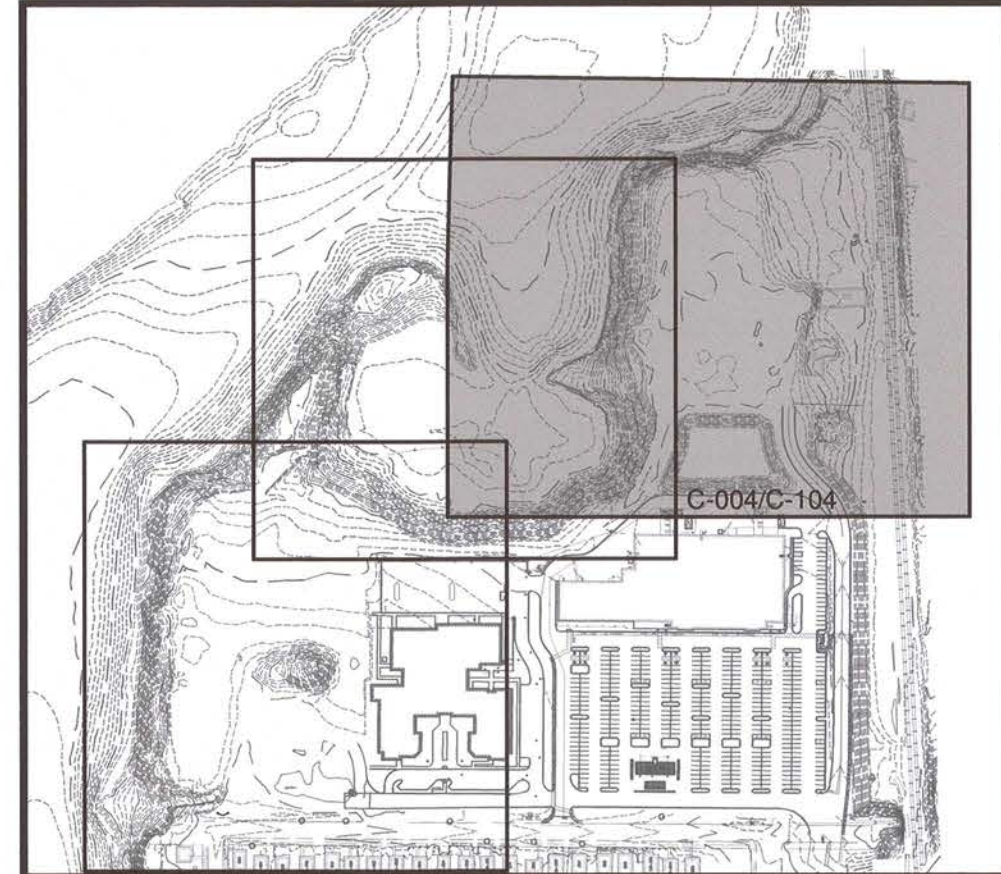
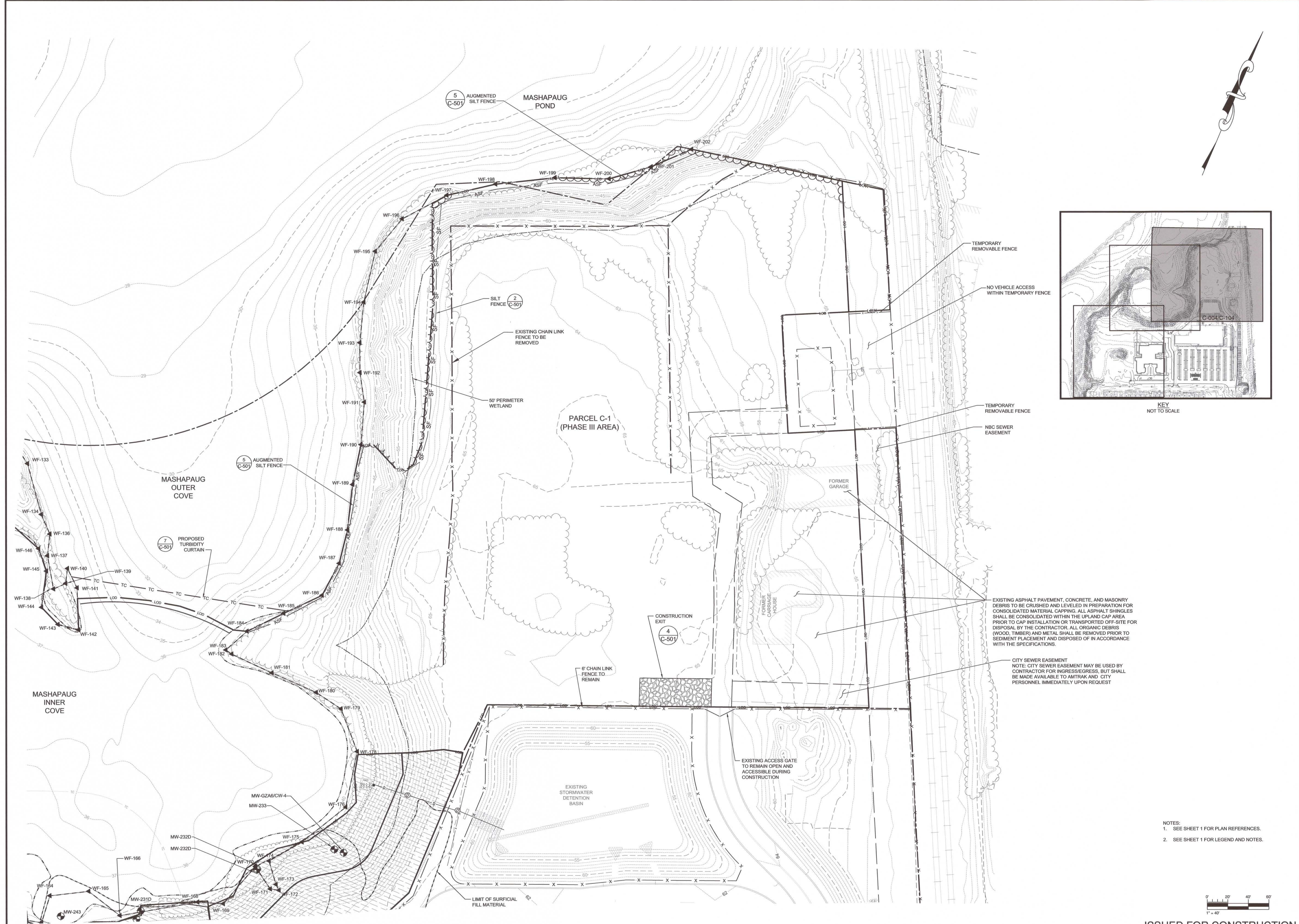
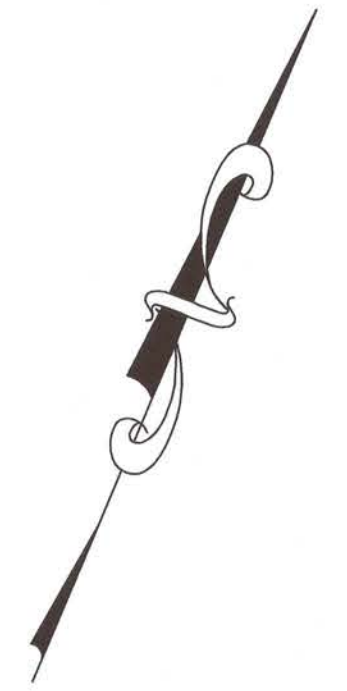
DESIGNED BY: DAA
DRAWN BY: DED

CHECKED BY: TD
SCALE: AS SHOWN

PROJECT NUMBER: 3652140032
DRAWING NUMBER: **C-003**
SHEET NUMBER: **4 OF 14**

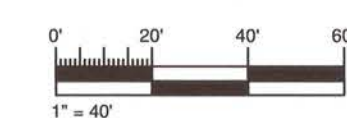


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ENVIRONMENT & INFRASTRUCTURE, INC.
271 MILL ROAD
CHELMSFORD MASSACHUSETTS 01824
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FAX: (978) 892-6633
WEB: WWW.AMECFW.COM



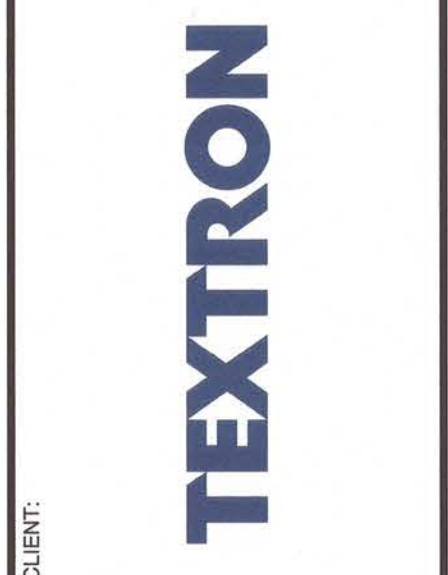
TEMPORARY REMOVABLE FENCE
NO VEHICLE ACCESS WITHIN TEMPORARY FENCE
TEMPORARY REMOVABLE FENCE
NBC SEWER EASEMENT
FORMER GARAGE
FORMER CARRIAGE HOUSE
EXISTING ASPHALT PAVEMENT, CONCRETE, AND MASONRY DEBRIS TO BE CRUSHED AND LEVELED IN PREPARATION FOR CONSOLIDATED MATERIAL CAPPING. ALL ASPHALT SHINGLES SHALL BE CONSOLIDATED WITHIN THE UPLAND CAP AREA PRIOR TO CAP INSTALLATION OR TRANSPORTED OFF-SITE FOR DISPOSAL BY THE CONTRACTOR. ALL ORGANIC DEBRIS (WOOD, TIMBER) AND METAL SHALL BE REMOVED PRIOR TO SEDIMENT PLACEMENT AND DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS.
CITY SEWER EASEMENT
NOTE: CITY SEWER EASEMENT MAY BE USED BY CONTRACTOR FOR INGRESS/EGRESS, BUT SHALL BE MADE AVAILABLE TO AMTRAK AND CITY PERSONNEL IMMEDIATELY UPON REQUEST
EXISTING ACCESS GATE TO REMAIN OPEN AND ACCESSIBLE DURING CONSTRUCTION

- NOTES:
1. SEE SHEET 1 FOR PLAN REFERENCES.
2. SEE SHEET 1 FOR LEGEND AND NOTES.



REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
1	06/24/2015	ISSUED FOR CONSTRUCTION	DAA	RJB
2	05/21/2015	ADDENDUM 1	DAA	RJB
3	05/11/2015	ISSUED FOR BID	DAA	RJB
4	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

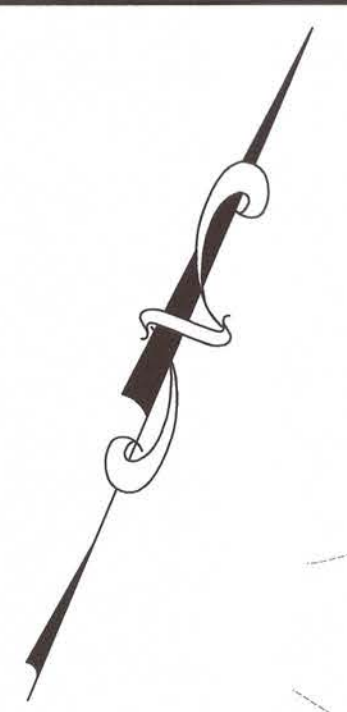
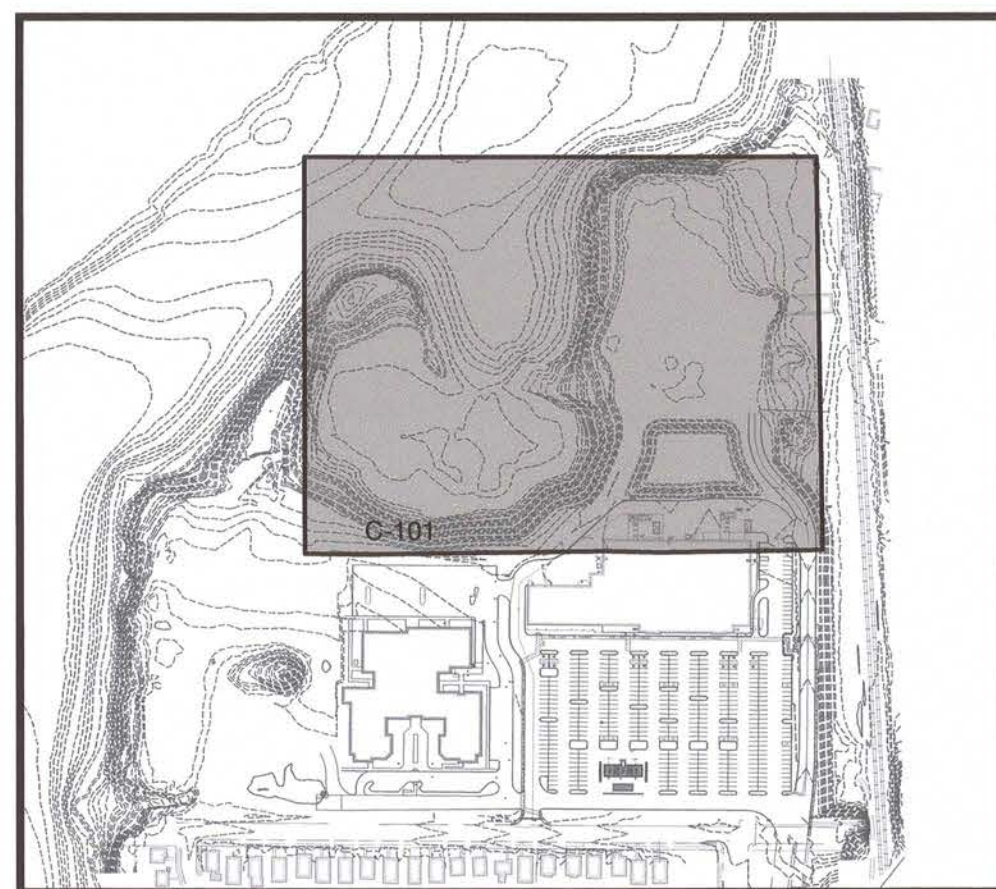
PROJECT: **TEXTRON, INC. PHASE II, III, AND PARCEL C CAP FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RI**
TITLE: **DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN SHEET 3 OF 3**



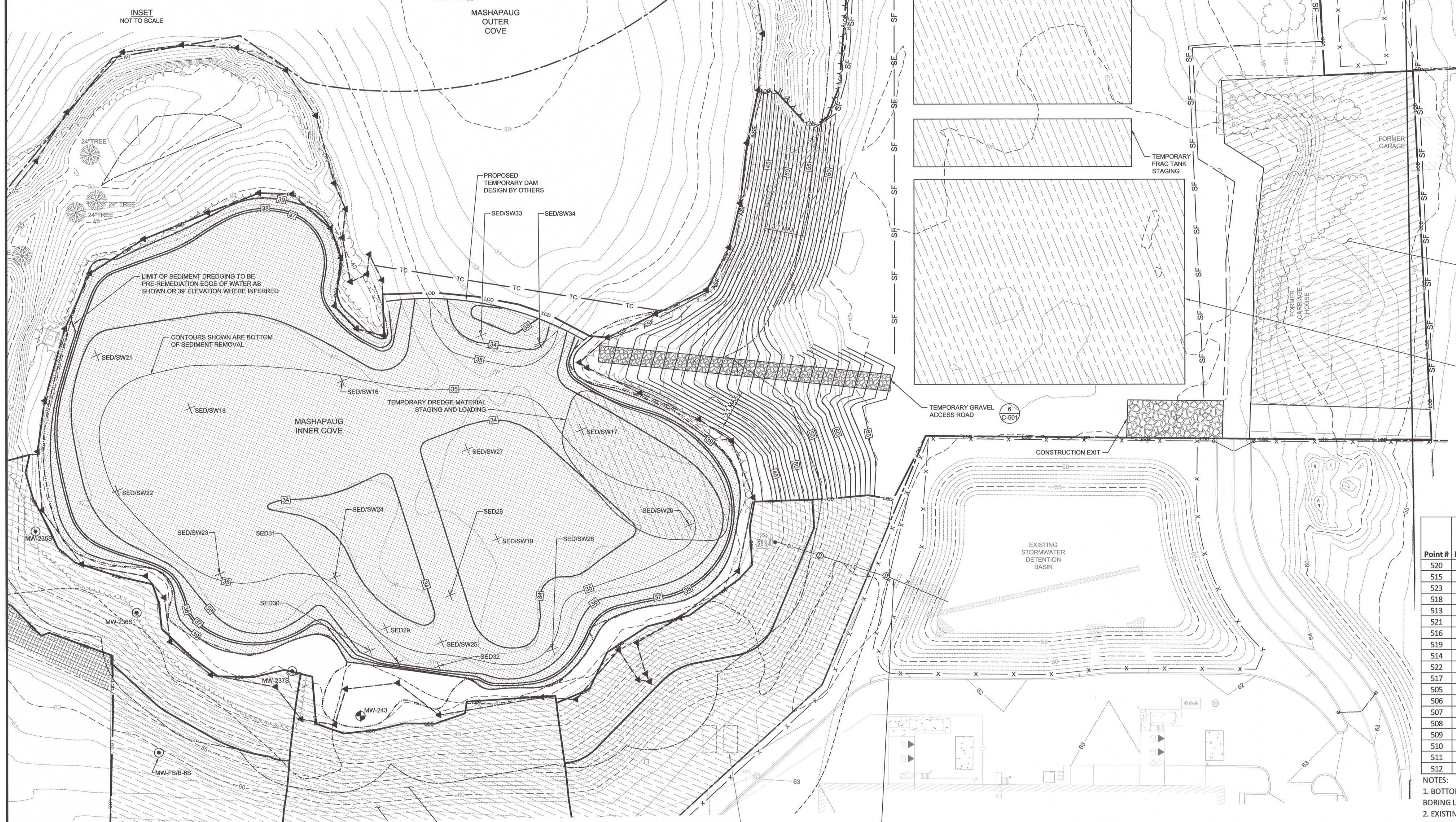
CLIENT: ROBERT J. BUKOWSKI
No. 9217
REGISTERED PROFESSIONAL ENGINEER CIVIL
6/24/15

DESIGNED BY: DAA	DRAWN BY: DED
CHECKED BY: TD	SCALE: AS SHOWN
PROJECT NUMBER: 3652140032	DRAWING NUMBER: C-004
SHEET NUMBER: 5 OF 14	

ISSUED FOR CONSTRUCTION



INSET
NOT TO SCALE



- NOTES:
- CONTRACTOR MUST MANAGE DEWATERING RATES WITH AVAILABLE INFILTRATION AREA TO PREVENT EXCESSIVE PONDING OR OVERFLOW.
 - FRAC TANKS MAY BE USED TO PROVIDE ADDITIONAL STORAGE TO BALANCE INFILTRATION RATES DURING TIMES OF PEAK WATER GENERATION.
 - DURING CONSTRUCTION, ADDITIONAL DEWATERING TREATMENT MAY BE REQUIRED TO MEET TOTAL SUSPENDED SOLIDS AND TOTAL PETROLEUM HYDROCARBON LIMITATIONS UNDER TEMPORARY DISCHARGE PERMIT.
 - CONFIGURATION OF INFILTRATION GALLERIES, FRAC TANKS AND MATERIAL PROCESSING AREA MAY BE ADJUSTED BASED UPON ENGINEER APPROVED CONTRACTOR PLANS.
 - SEE SHEET 1 FOR PLAN REFERENCES.
 - SEE SHEET 1 FOR LEGEND AND NOTES.

amec foster wheeler
 AMEC FOSTER WHEELER
 ENVIRONMENT & INFRASTRUCTURE, INC.
 271 MILL ROAD
 CHELMSFORD MASSACHUSETTS 01824
 TELEPHONE: (978) 892-6090
 FAX: (978) 892-6633
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PROJECT:
TEXTRON, INC.
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
 PROVIDENCE, RI

TITLE:
TEMPORARY DEWATERING, EXCAVATION
AND MATERIAL STAGING PLAN

TABLE 1: KEY SEDIMENT ELEVATIONS AND FINISH GRADES

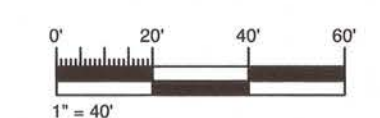
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520	SED29	259774	347006	36.6	34.6	35.6	<32.6
515	SED/SW26	259807	347125	36.8	35.3	36.3	35.27
523	SED32	259763	347053	37.3	35.5	36.5	34.8
518	SED/SW34	260010	347029	34.9	33.9	34.9	33.9
513	SED/SW24	259794	346957	36.5	34.5	35.5	32.5
521	SED30	259754	347002	37.6	35.6	36.6	31.1
516	SED/SW27	259918	347010	35.8	33.8	34.8	33.5
519	SED28	259814	347040	36.6	34.6	35.6	<31.1
514	SED/SW25	259780	347048	36.5	34.5	35.5	<31.45
522	SED31	259754	347024	37.5	35.5	36.5	34.6
517	SED/SW33	259999	346987	34.6	33.6	34.6	33.6
505	SED/SW16	259929	346906	36.8	34.8	35.8	34.7
506	SED/SW17	259964	347082	36.6	35.6	36.6	36.1
507	SED/SW18	259867	346811	36.5	34.5	35.5	32.3
508	SED/SW19	259866	347056	35.9	33.9	34.9	31.3
509	SED/SW20	259930	347182	36.7	34.7	35.7	<34.2
510	SED/SW21	259876	346733	36.9	35.6	36.6	35.6
511	SED/SW22	259790	346785	36.8	34.8	35.8	33.8
512	SED/SW23	259763	346878	36.8	34.8	35.8	34.8

- NOTES:
- BOTTOM ELEVATION OF ORGANIC MATERIAL IS BASED ON THE EXISTING SEDIMENT BORING LOGS PROVIDED IN THE CONTRACT DOCUMENTS.
 - EXISTING ELEVATIONS ARE INTERPOLATED BASED UPON THE 2011 BATHYMETRIC SURVEY COMPLETED BY TG&B MARINE. ACTUAL ELEVATIONS AT THESE LOCATIONS WILL VARY FROM THOSE PROVIDED ON THIS TABLE AND THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS, AND SUBMIT TO ENGINEER, PRIOR TO CONDUCTING THE WORK.

EXISTING STORMWATER DETENTION BASIN DISCHARGE TO BE PLUGGED DURING COVE DEWATERING, DREDGING, AND CAP INSTALLATION ACTIVITIES. CONTRACTOR TO MANAGE STORMWATER WITHIN DETENTION BASIN USING TEMPORARY SUBMERSIBLE PUMPS AS DIRECTED BY ENGINEER. DISCHARGE SHALL BE WITHIN PROPOSED TURBIDITY CURTAIN AND DISPERSED TO AVOID DISTURBANCE OF POND SEDIMENT.

(2) 10,000 GAL USTs ABANDONED IN-PLACE

EXISTING PHASE I CAP AREAS ARE NOT TO BE DISTURBED DURING CONSTRUCTION



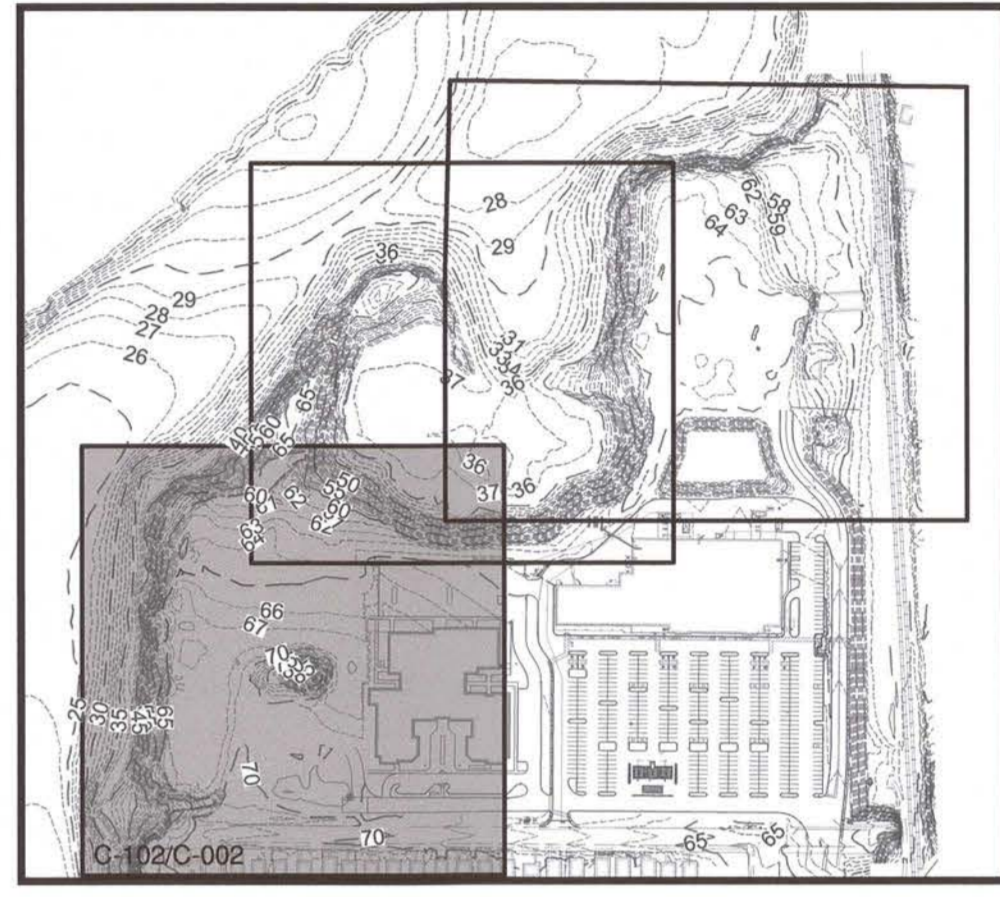
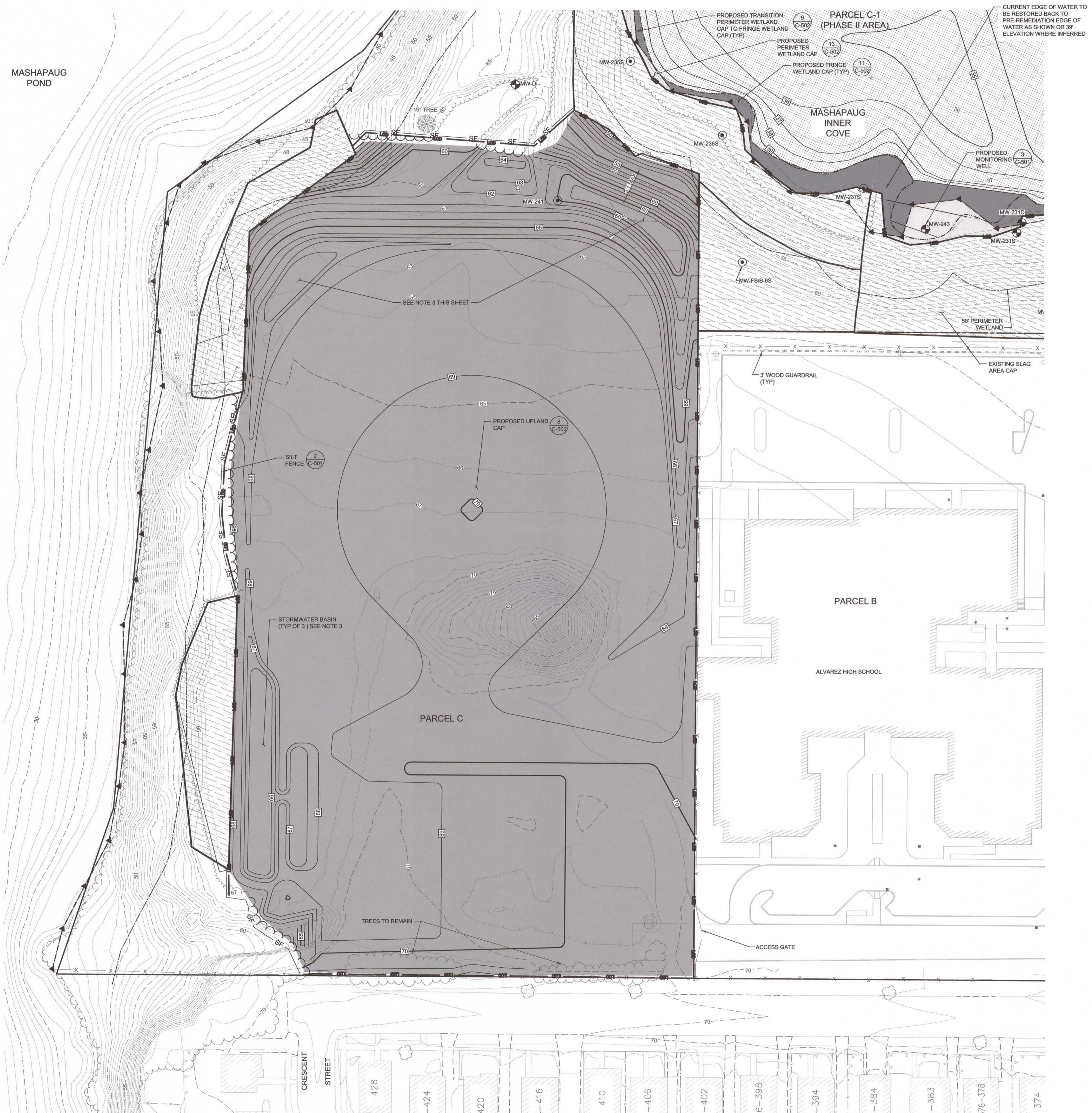
ISSUED FOR CONSTRUCTION

CLIENT:
ROBERT J. BUKOWSKI
 No. 9217
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 01/24/15

DESIGNED BY: DAA
 DRAWN BY: DED
 CHECKED BY: TD
 SCALE: AS SHOWN

PROJECT NUMBER: 3652140032
 DRAWING NUMBER: **C-101**
 SHEET NUMBER: **6 OF 14**

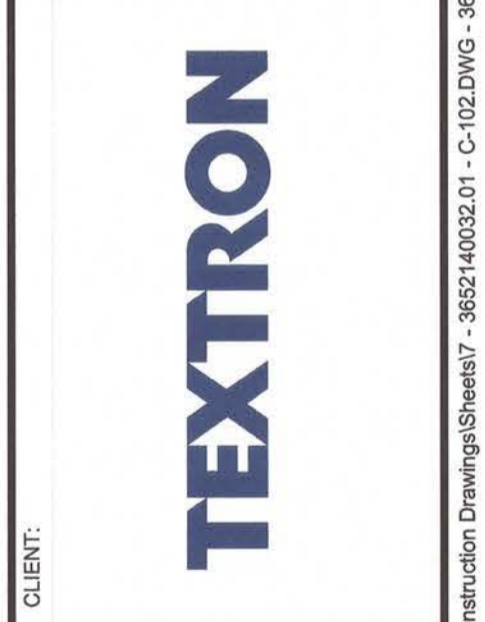
MASHAPAUG POND



REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
1	06/24/2015	ISSUED FOR CONSTRUCTION	DAA	RJB
0	05/12/2015	ADDENDUM 1	DAA	RJB
0	05/11/2015	ISSUED FOR BID	DAA	RJB
A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

PROJECT: **TEXTRON, INC.
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
PROVIDENCE, RI**

TITLE: **PROPOSED SITE PLAN
SHEET 1 OF 3**



CLIENT: **ROBERT J. BUKOWSKI**

No. **9217**

**REGISTERED
PROFESSIONAL ENGINEER
CIVIL**

Robert J. Bukowski 6/24/15

DESIGNED BY: **DED** DRAWN BY: **DED**

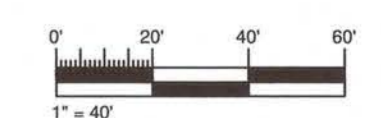
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PROJECT NUMBER: **3652140032**

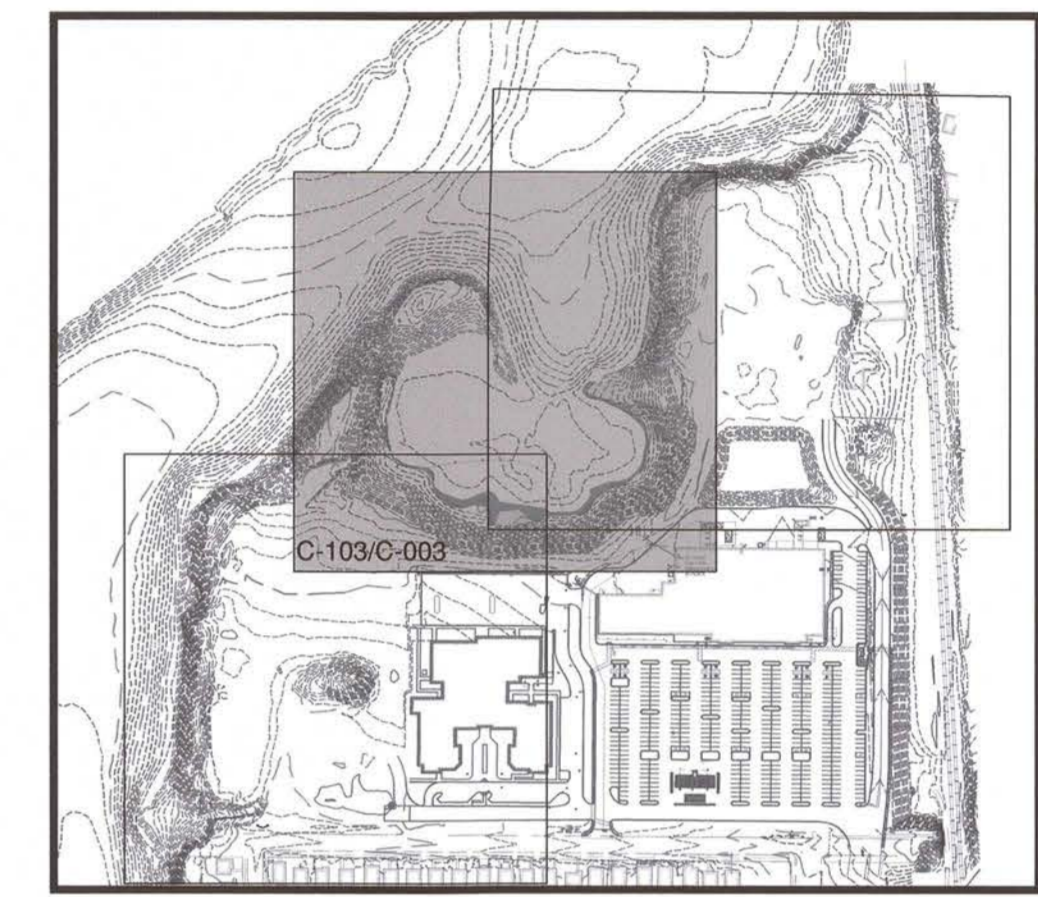
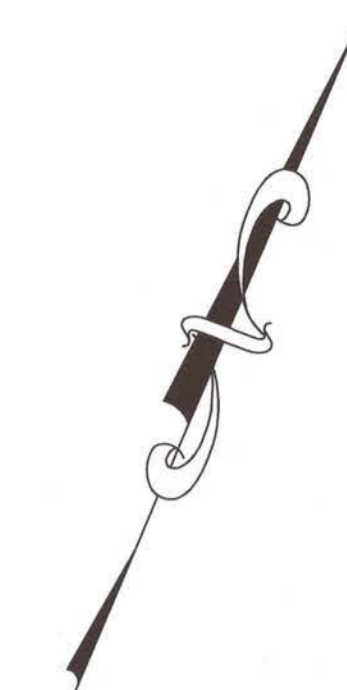
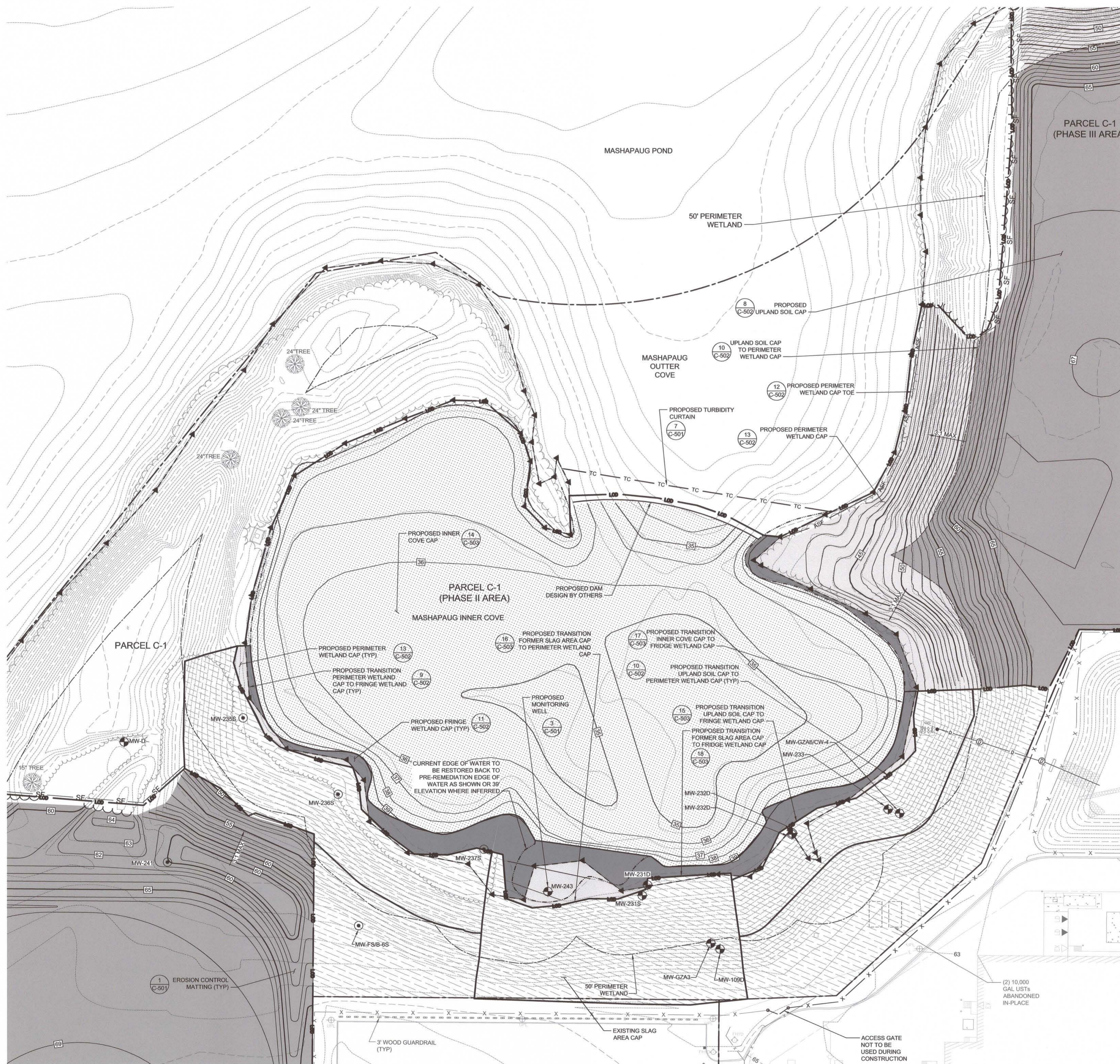
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SHEET NUMBER: **7 OF 14**

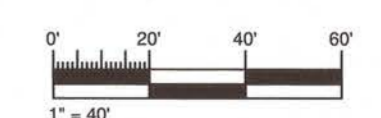
- NOTES:
- SEE SHEET 1 FOR PLAN REFERENCES.
 - SEE SHEET 1 FOR LEGEND AND NOTES.
 - MINIMUM OF 5 FEET OF CLEAN MATERIAL REQUIRED BELOW FINAL SURFACE ELEVATION IN STORMWATER BASINS (INCLUDING SIDEWALL BERMS).



ISSUED FOR CONSTRUCTION



- NOTES:
- SEE SHEET 1 FOR PLAN REFERENCES.
 - SEE SHEET 1 FOR LEGEND AND NOTES.



REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
1	06/24/2015	ISSUED FOR CONSTRUCTION	DAA	RJB
0	05/21/2015	ADDENDUM 1	DAA	RJB
0	05/11/2015	ISSUED FOR BID	DAA	RJB
0	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

PROJECT: **TEXTRON, INC.**
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
PROVIDENCE, RI

TITLE: **PROPOSED SITE PLAN**
SHEET 2 OF 3

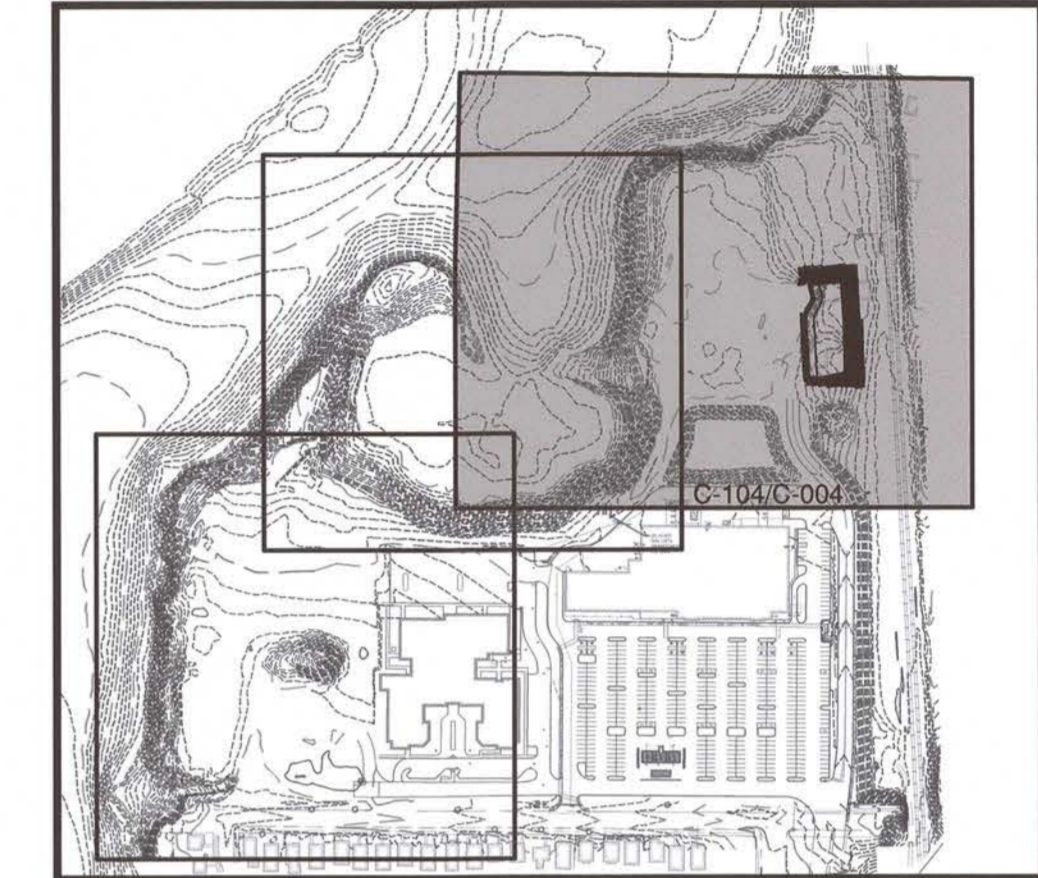
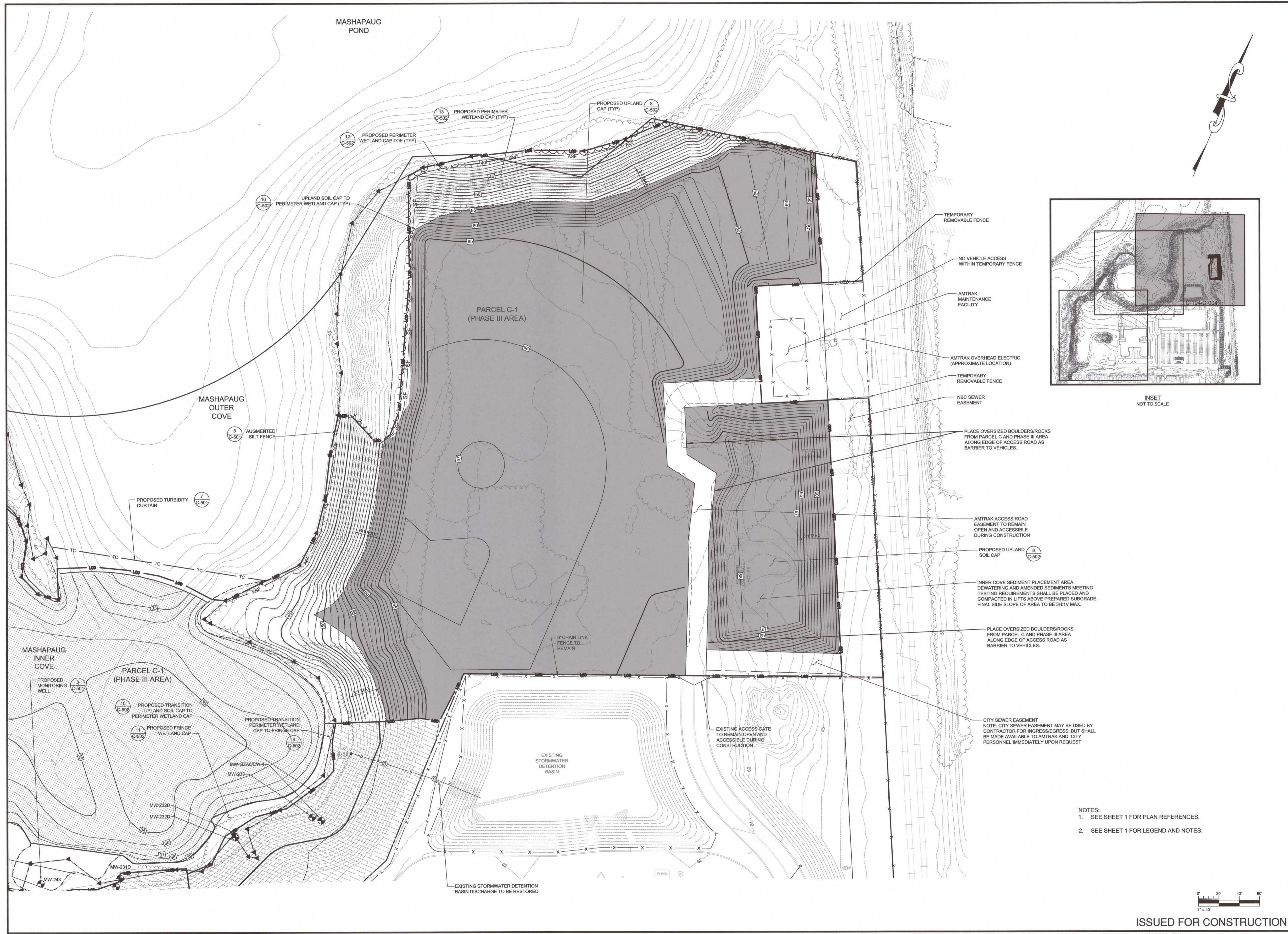
CLIENT: **TEXTRON**

SEAL: **ROBERT J. BUKOWSKI**
No. **9217**
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DESIGNED BY: DAA
CHECKED BY: TD
PROJECT NUMBER: 3652140032
DRAWING NUMBER: **C-103**
SHEET NUMBER: **8 OF 14**

DRAWN BY: DED
SCALE: AS SHOWN

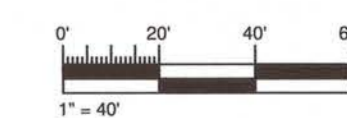
ISSUED FOR CONSTRUCTION



INSET
NOT TO SCALE

- TEMPORARY REMOVABLE FENCE
- NO VEHICLE ACCESS WITHIN TEMPORARY FENCE
- AMTRAK MAINTENANCE FACILITY
- AMTRAK OVERHEAD ELECTRIC (APPROXIMATE LOCATION)
- TEMPORARY REMOVABLE FENCE
- NBC SEWER EASEMENT
- PLACE OVERSIZED BOULDERS/ROCKS FROM PARCEL C AND PHASE III AREA ALONG EDGE OF ACCESS ROAD AS BARRIER TO VEHICLES.
- AMTRAK ACCESS ROAD EASEMENT TO REMAIN OPEN AND ACCESSIBLE DURING CONSTRUCTION
- PROPOSED UPLAND SOIL CAP (C-502)
- INNER COVE SEDIMENT PLACEMENT AREA DEWATERING AND AMENDED SEDIMENTS MEETING TESTING REQUIREMENTS SHALL BE PLACED AND COMPACTED IN LIFTS ABOVE PREPARED SUBGRADE. FINAL SIDE SLOPE OF AREA TO BE 3H:1V MAX.
- PLACE OVERSIZED BOULDERS/ROCKS FROM PARCEL C AND PHASE III AREA ALONG EDGE OF ACCESS ROAD AS BARRIER TO VEHICLES.
- CITY SEWER EASEMENT NOTE: CITY SEWER EASEMENT MAY BE USED BY CONTRACTOR FOR INGRESS/EGRESS, BUT SHALL BE MADE AVAILABLE TO AMTRAK AND CITY PERSONNEL IMMEDIATELY UPON REQUEST

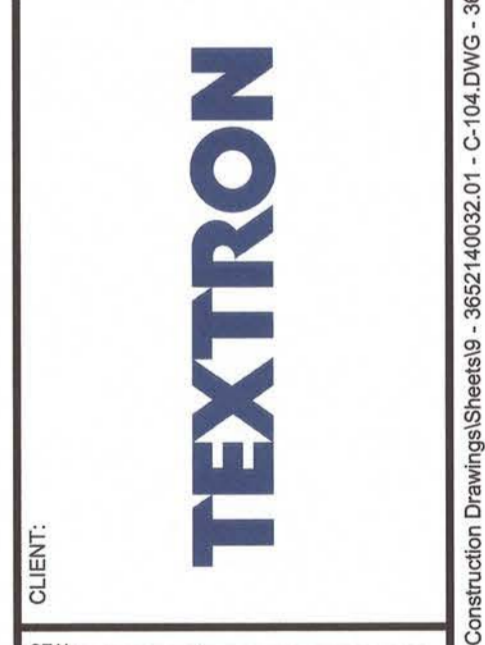
- NOTES:
1. SEE SHEET 1 FOR PLAN REFERENCES.
 2. SEE SHEET 1 FOR LEGEND AND NOTES.



REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
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0	05/21/2015	ADDENDUM 1	DAA	RJB
0	05/11/2015	ISSUED FOR BID	DAA	RJB
A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

PROJECT: **TEXTRON, INC. PHASE II, III, AND PARCEL C CAP FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RI**

TITLE: **PROPOSED SITE PLAN SHEET 3 OF 3**



CLIENT: **ROBERT J. BUKOWSKI**

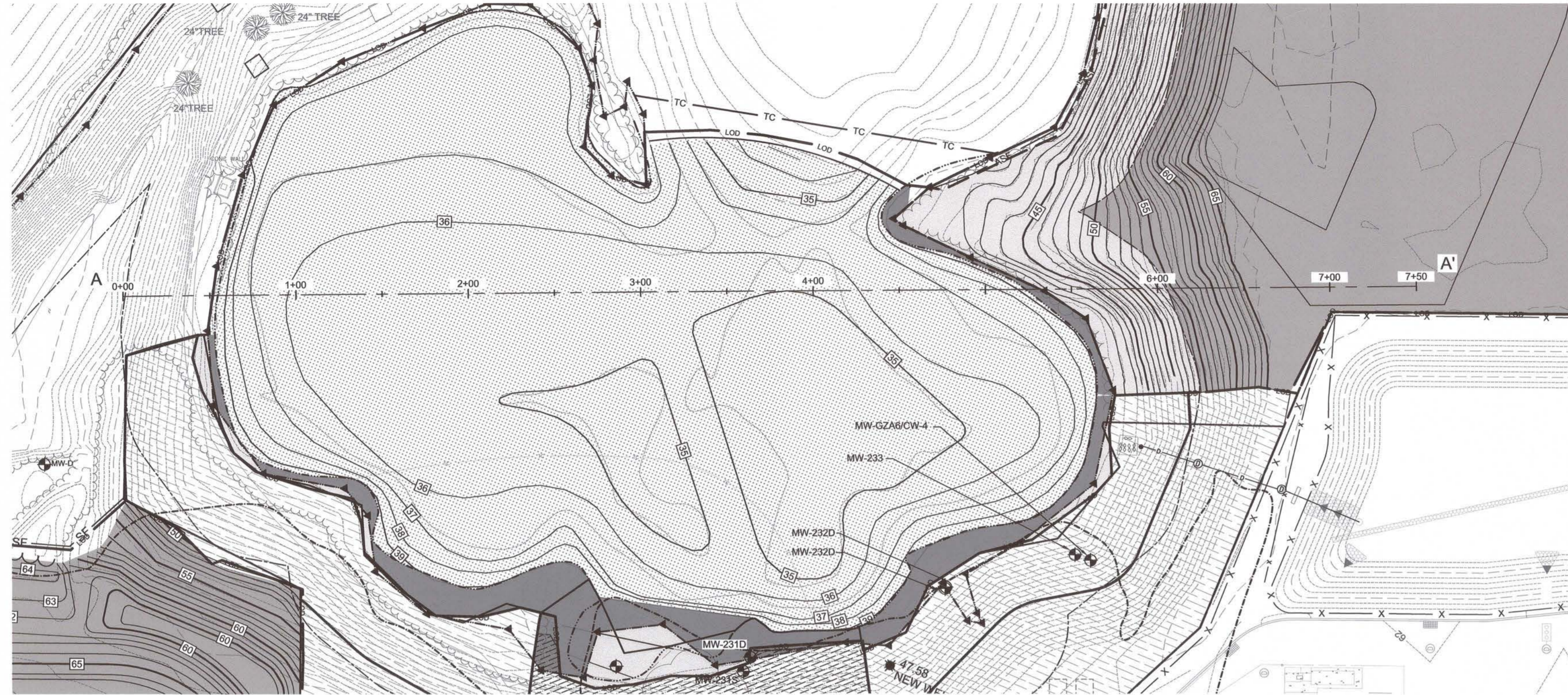
No. **9217**

REGISTERED PROFESSIONAL ENGINEER

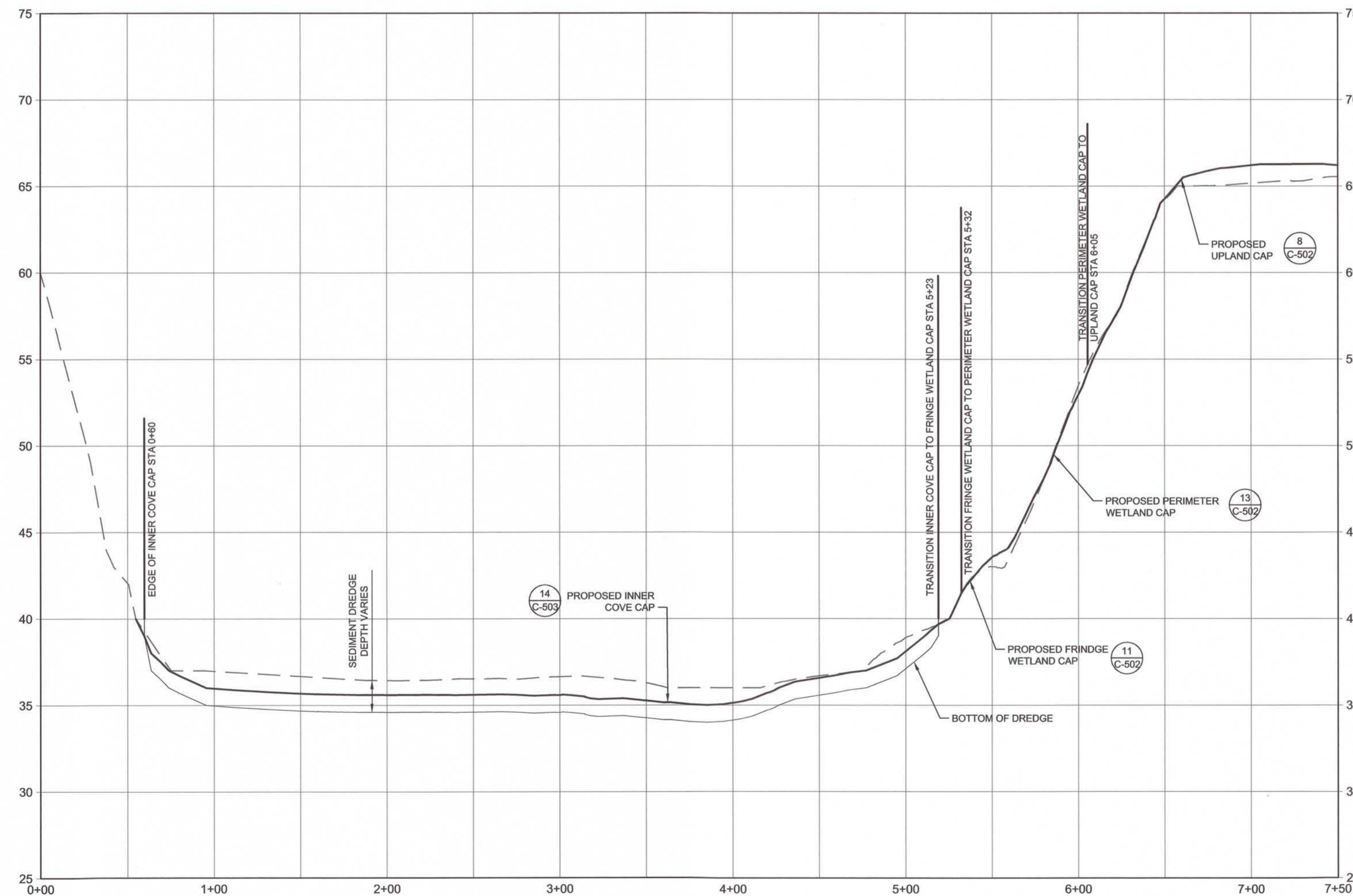
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 CHECKED BY: TD SCALE: AS SHOWN

PROJECT NUMBER: 3652140032
 DRAWING NUMBER: **C-104**

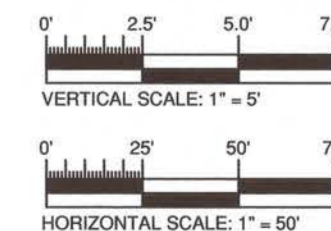
SHEET NUMBER: **9 OF 14**



PLAN VIEW PROFILE A-A'
SCALE: 1" = 50'



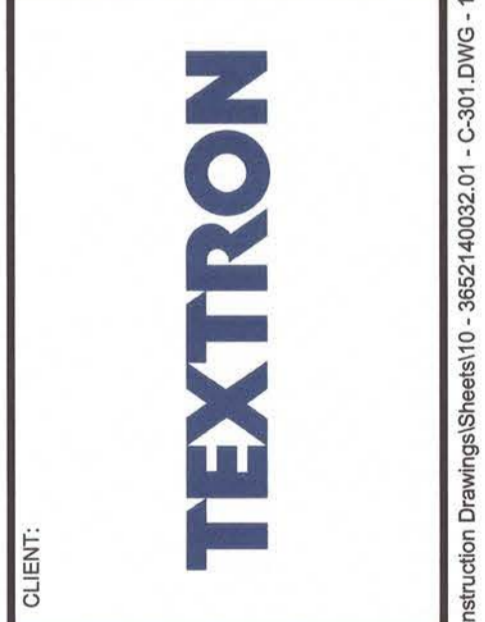
PROFILE A-A'
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
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A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

CLIENT: **TEXTRON, INC.**
 PHASE II, III, AND PARCEL C CAP
 FORMER GORHAM MANUFACTURING SITE
 PROVIDENCE, RI

TITLE: **PLAN AND PROFILE A-A'**

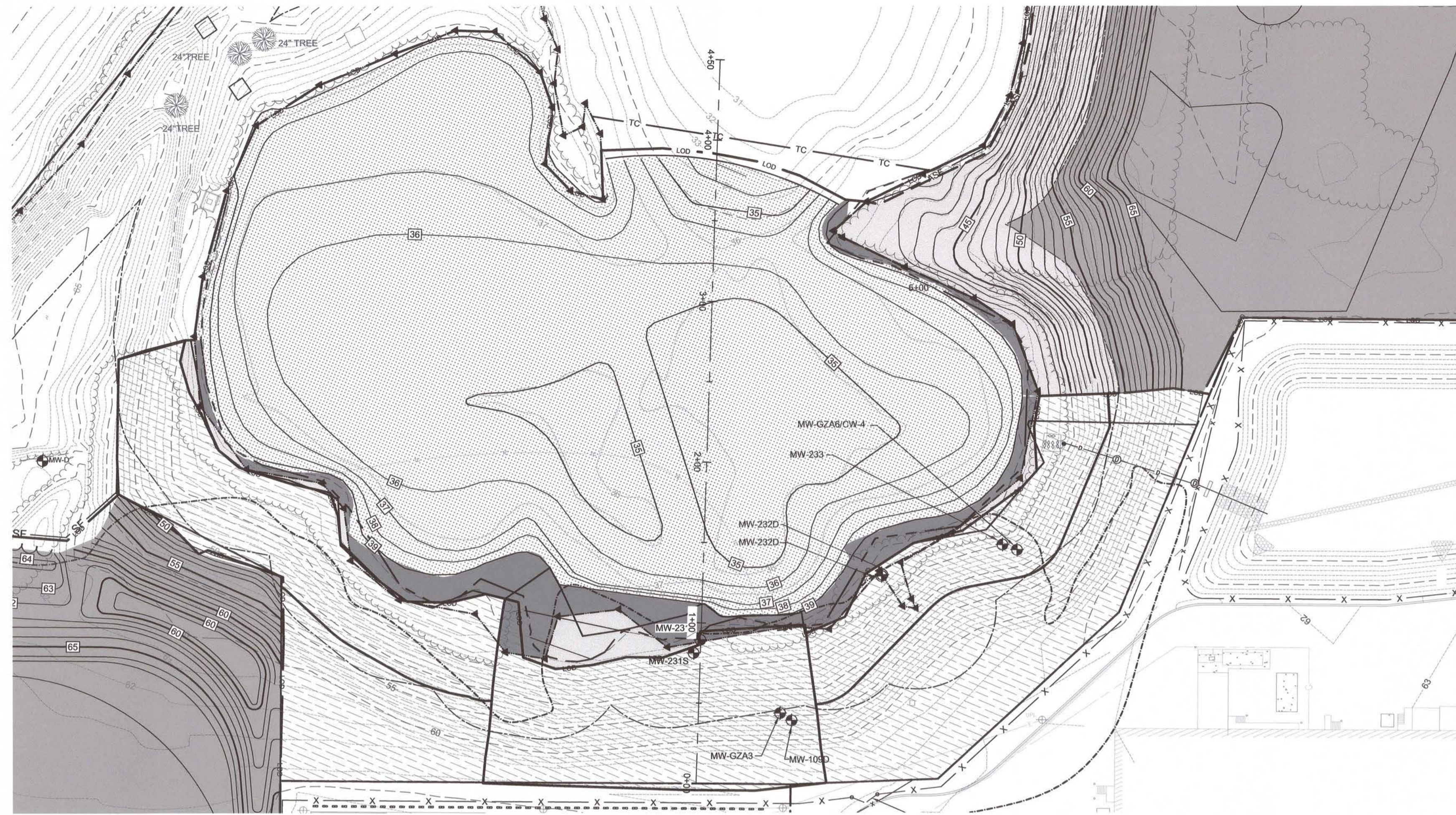


ROBERT J. BUKOWSKI
 No. 9217
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

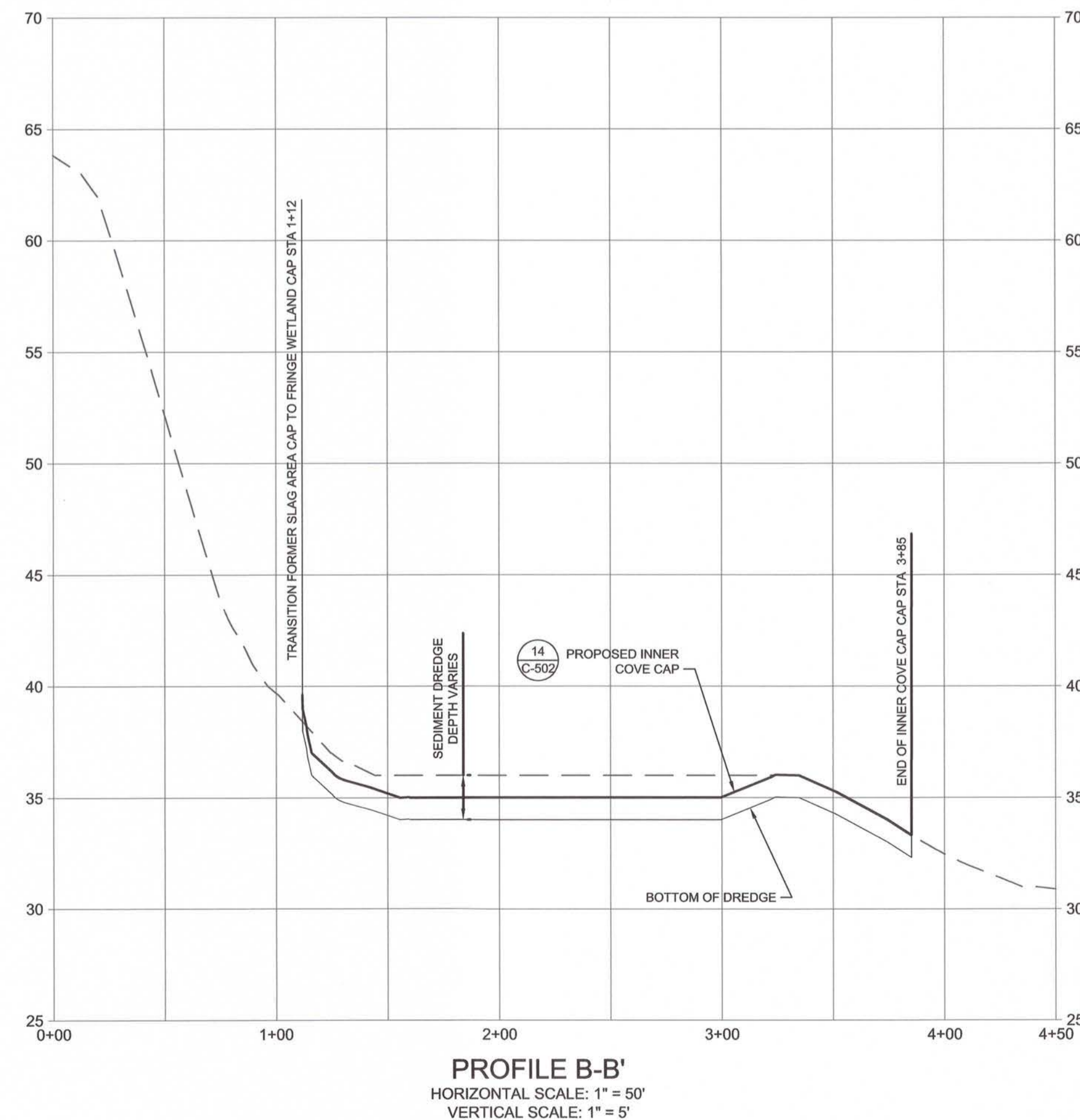
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PROJECT NUMBER: 3652140032
 DRAWING NUMBER: **C-301**
 SHEET NUMBER: **10 OF 14**

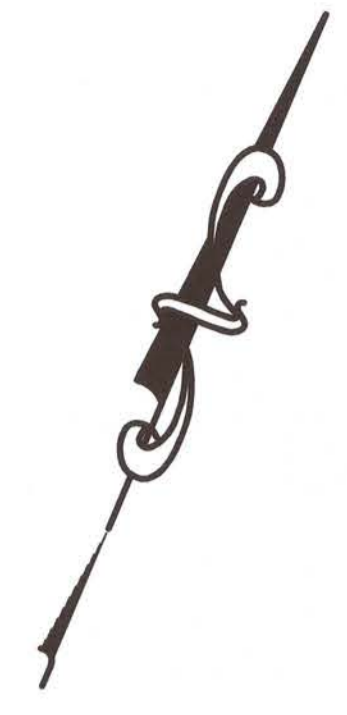
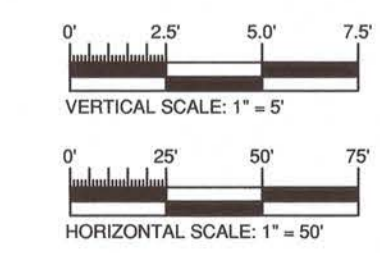
ISSUED FOR CONSTRUCTION



PLAN VIEW PROFILE B-B'
SCALE: 1" = 50'



PROFILE B-B'
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



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1	06/24/2015	ISSUED FOR CONSTRUCTION	DAA	RJB
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A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

PROJECT: **TEXTRON, INC.**
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
 PROVIDENCE, RI

TITLE: **PLAN AND PROFILE B-B'**



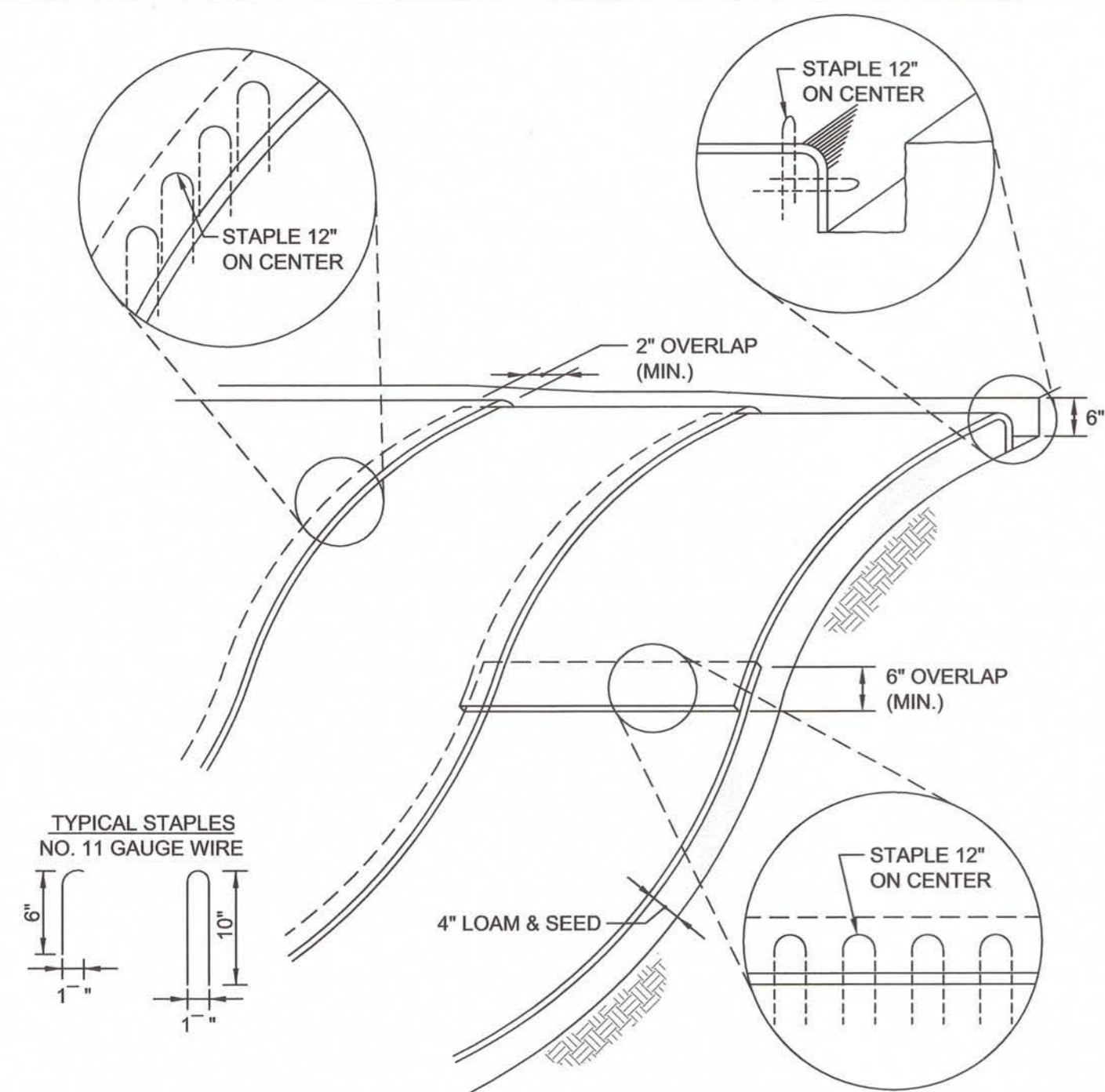
CLIENT: **TEXTRON, INC.**

DESIGNED BY: **ROBERT J. BURKOWSKI**
 No. **9217**
 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: DAA
 DRAWN BY: DED
 CHECKED BY: TD
 SCALE: AS SHOWN

PROJECT NUMBER: 3652140032
 DRAWING NUMBER: **C-302**
 SHEET NUMBER: **11 OF 14**

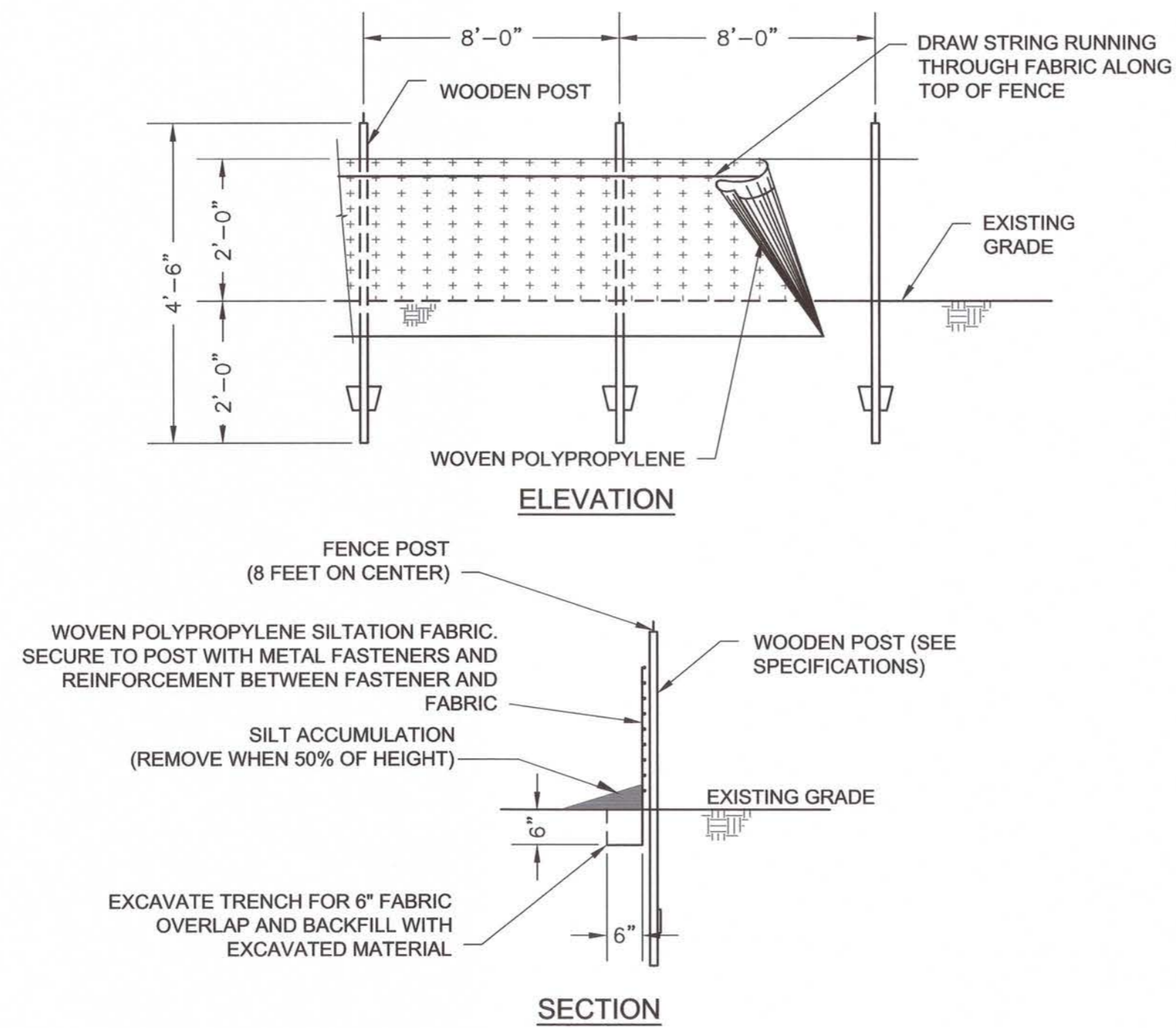
ISSUED FOR CONSTRUCTION



- NOTES:
- BEGIN AT THE TOP OF MATTING INSTALLATION AREA BY ANCHORING MATTING IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
 - ROLL THE MATTING DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
 - THE EDGES OF MATTINGS MUST BE STAPLED WITH A MINIMUM OF 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
 - WHEN MATTINGS MUST BE SPICED DOWN THE SWALE, PLACE MATTING END OVER END WITH 6 INCH (MIN) OVERLAP AND ANCHOR DOWN SLOPE MATTING IN A 6 INCH DEEP TRENCH.

EROSION CONTROL MATTING SLOPE INSTALLATION
NTS

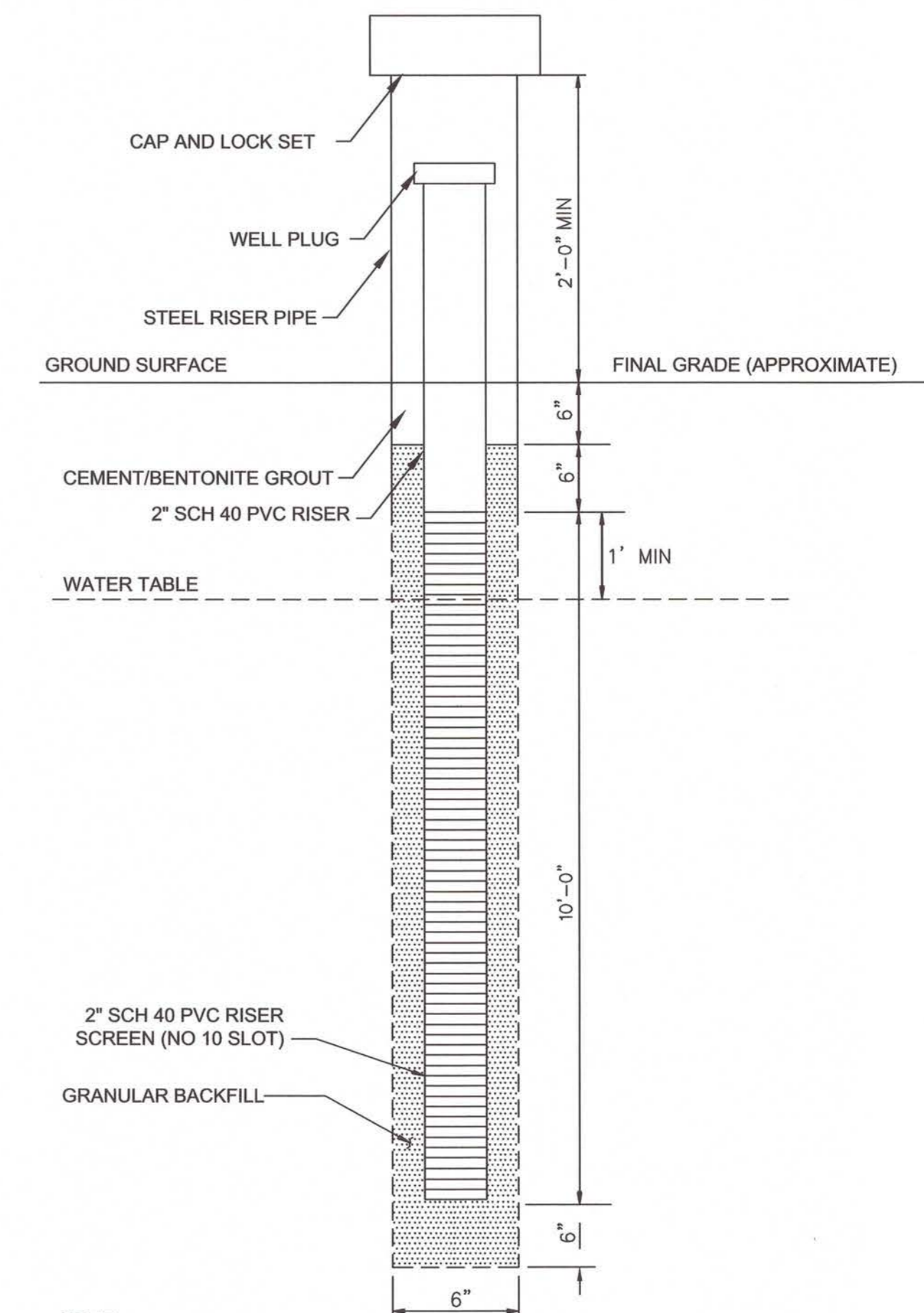
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NOTE:
SEE SPECIFICATION FOR REINFORCEMENT REQUIREMENTS.

SILT FENCE
NTS

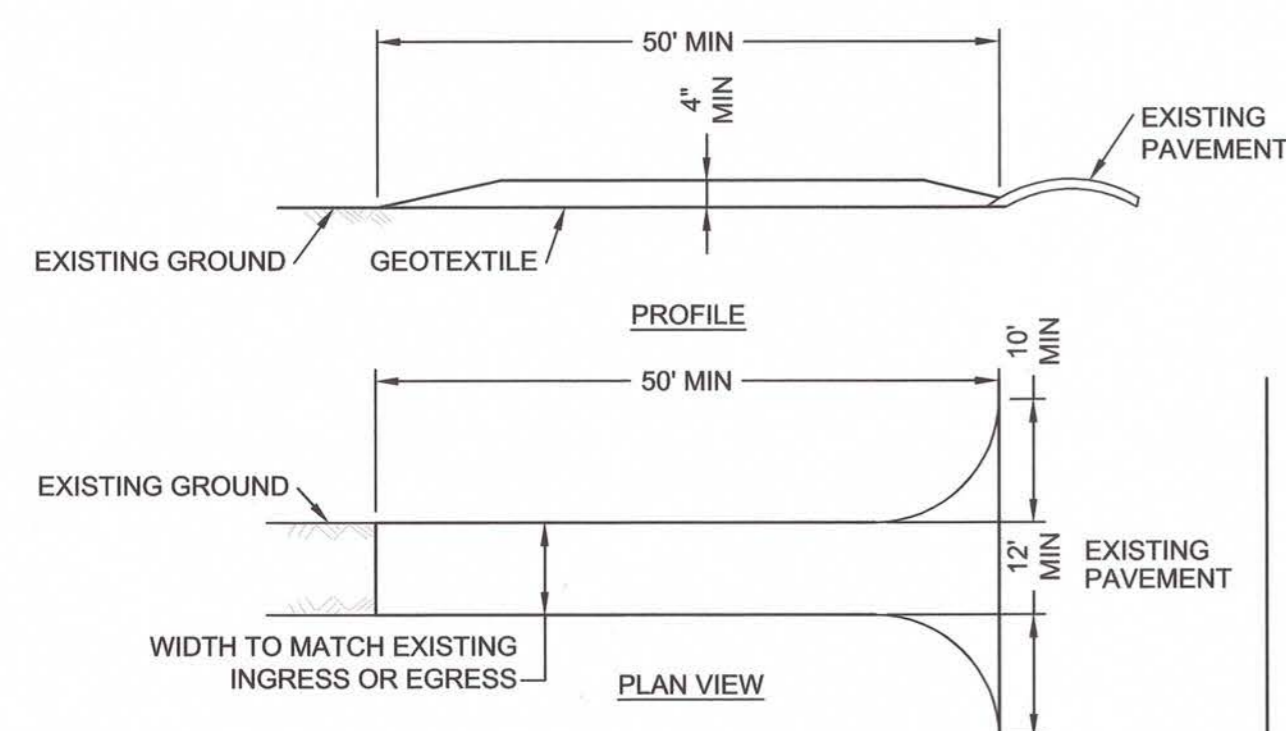
2



NOTE:
1. PROPOSED MW-243 REPLACES FORMER GZA-5.

TYPICAL MONITORING WELL INSTALLATION
NTS

3

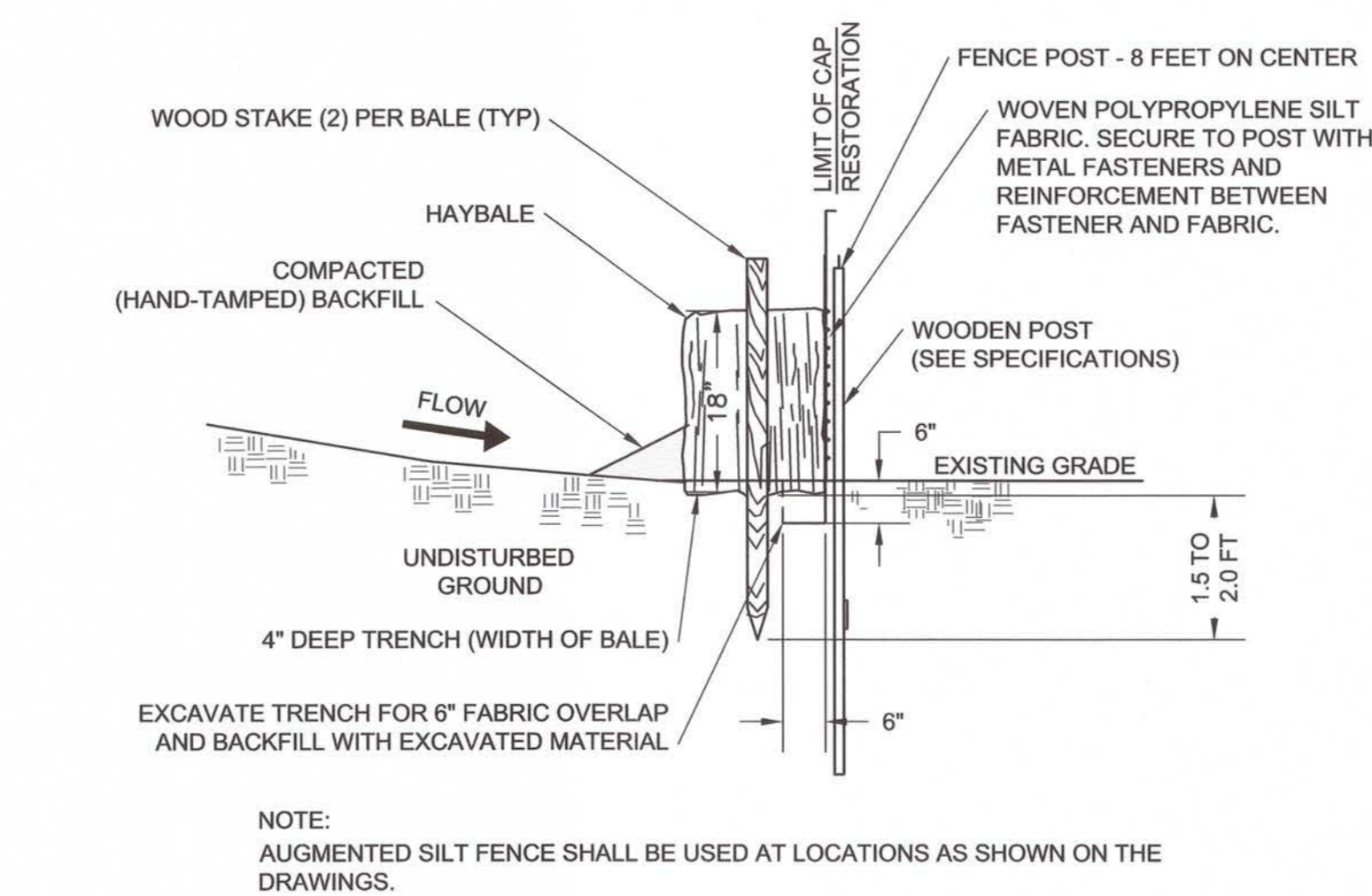


CONSTRUCTION SPECIFICATIONS:

- STONE SIZE - USE 2 INCH CRUSHED STONE OR GRAVEL.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN FOUR (4) INCHES.
- WIDTH - TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FEET IF SINGLE ENTRANCE TO SITE.
- GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

STABILIZED CONSTRUCTION EXIT
NTS

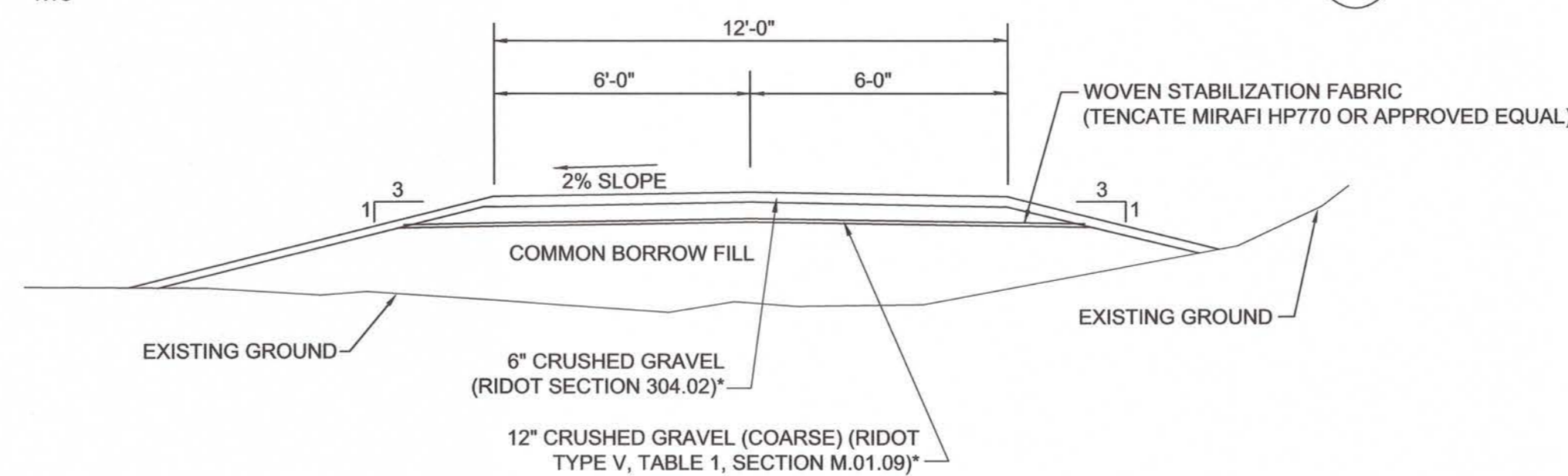
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NOTE:
AUGMENTED SILT FENCE SHALL BE USED AT LOCATIONS AS SHOWN ON THE DRAWINGS.

AUGMENTED SILT FENCE
NTS

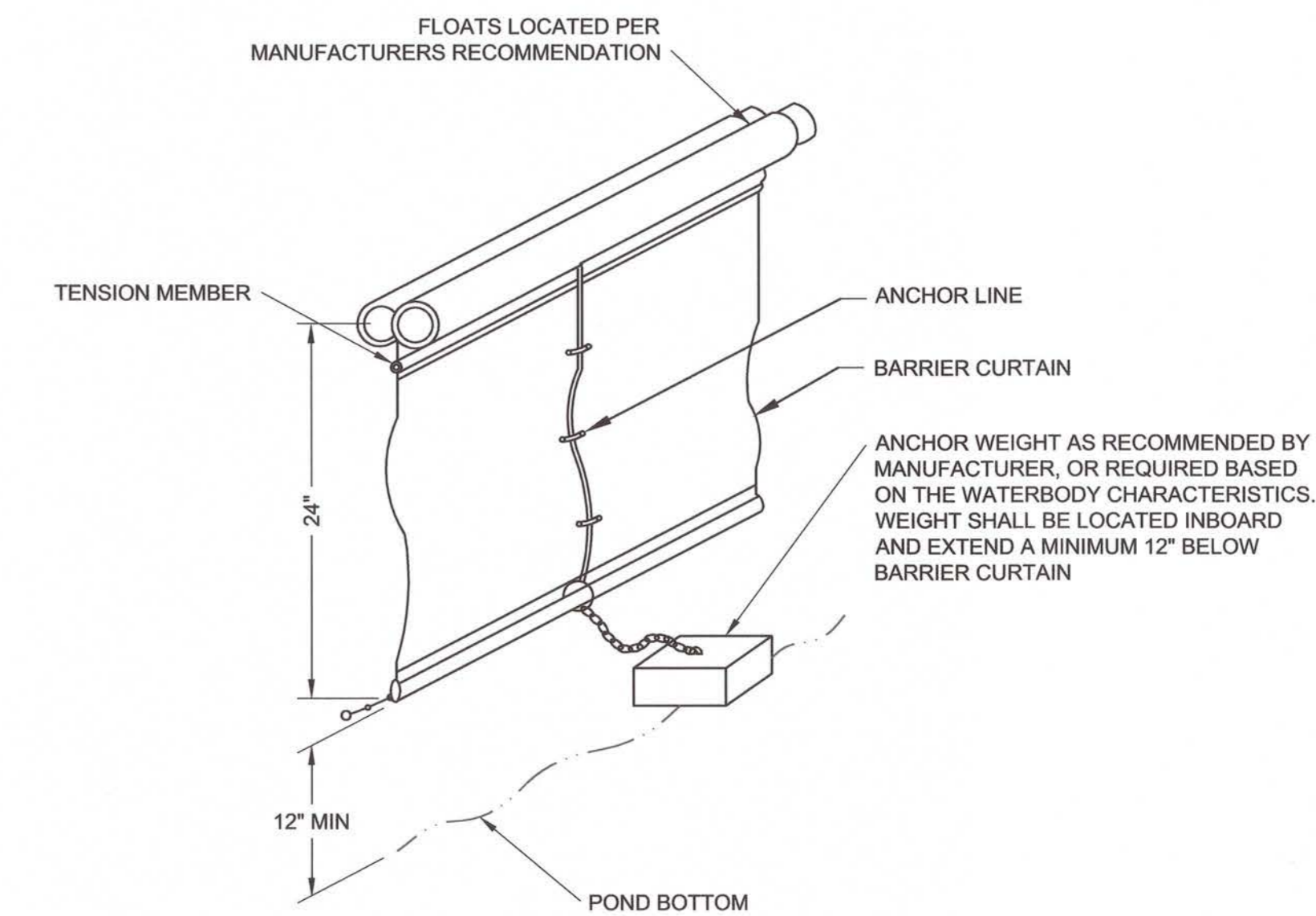
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* CRUSHED GRAVEL MATERIAL SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 3.03.02.

TEMPORARY GRAVEL ACCESS ROAD
NTS

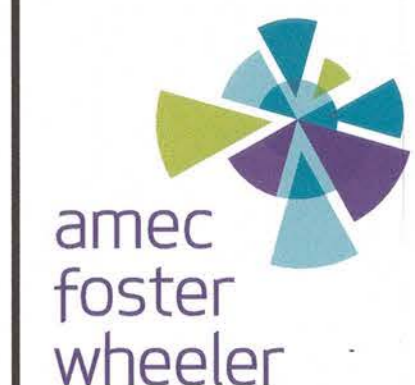
6



- NOTES:
- THE TURBIDITY CURTAIN SHALL BE DEPLOYED PRIOR TO DISTURBING THE WATERBODY BANK SOILS.
 - THE TURBIDITY CURTAIN SHALL WITHSTAND THE WATERBODY FLOW CHARACTERISTICS.

TURBIDITY CURTAIN DETAIL
NTS

7



AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE, INC.
271 MILL ROAD
CHELMSFORD MASSACHUSETTS 01824
TELEPHONE: (978) 682-9090
FAX: (978) 682-6533
WEB: WWW.AMECFW.COM

REVISION	DATE	ISSUED BY	APPROVED
1	06/24/2015	DAA	RUB
0	05/11/2015	DAA	RUB
A	04/24/2015	DAA	RUB

ISSUED FOR CONSTRUCTION

ISSUED FOR BID

ISSUED FOR CLIENT REVIEW

ISSUE / REVISION DESCRIPTION

CLIENT: TEXTRON, INC.
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
PROVIDENCE, RI

DETAILS
SHEET 1 OF 3

TEXTRON

REGISTERED PROFESSIONAL ENGINEER CIVIL

ROBERT J. BUKOWSKI

No. 9217

6/24/15

DESIGNED BY: DAA
DRAWN BY: DEB
CHECKED BY: TD
SCALE: NOT TO SCALE
PROJECT NUMBER: 3652140032
DRAWING NUMBER: C-501
SHEET NUMBER: 12 OF 14

ISSUED FOR CONSTRUCTION



AMEC FOSTER WHEELER
 ENVIRONMENT & INFRASTRUCTURE, INC.
 271 MILL ROAD
 CHELMSFORD MASSACHUSETTS 01824
 TELEPHONE: (978) 692-8090
 FAX: (978) 692-6533
 WEB: WWW.AMECFW.COM

REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
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0	05/11/2015	ISSUED FOR BID	DAA	RJB
A	04/24/2015	ISSUED FOR CLIENT REVIEW	DAA	RJB

PROJECT: **TEXTRON, INC.**
PHASE II, III, AND PARCEL C CAP
FORMER GORHAM MANUFACTURING SITE
 PROVIDENCE, RI
 TITLE: **DETAILS**
SHEET 2 OF 3

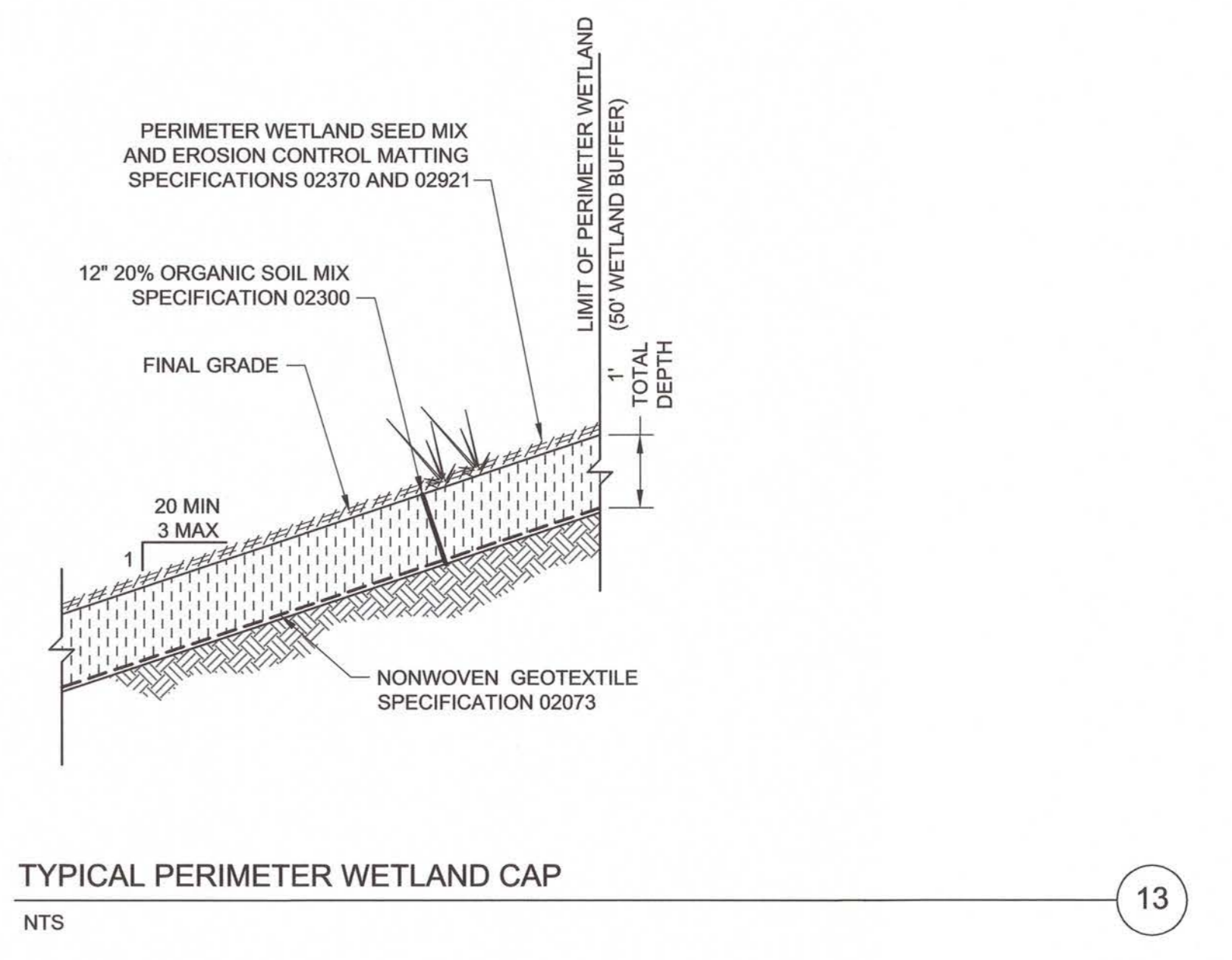
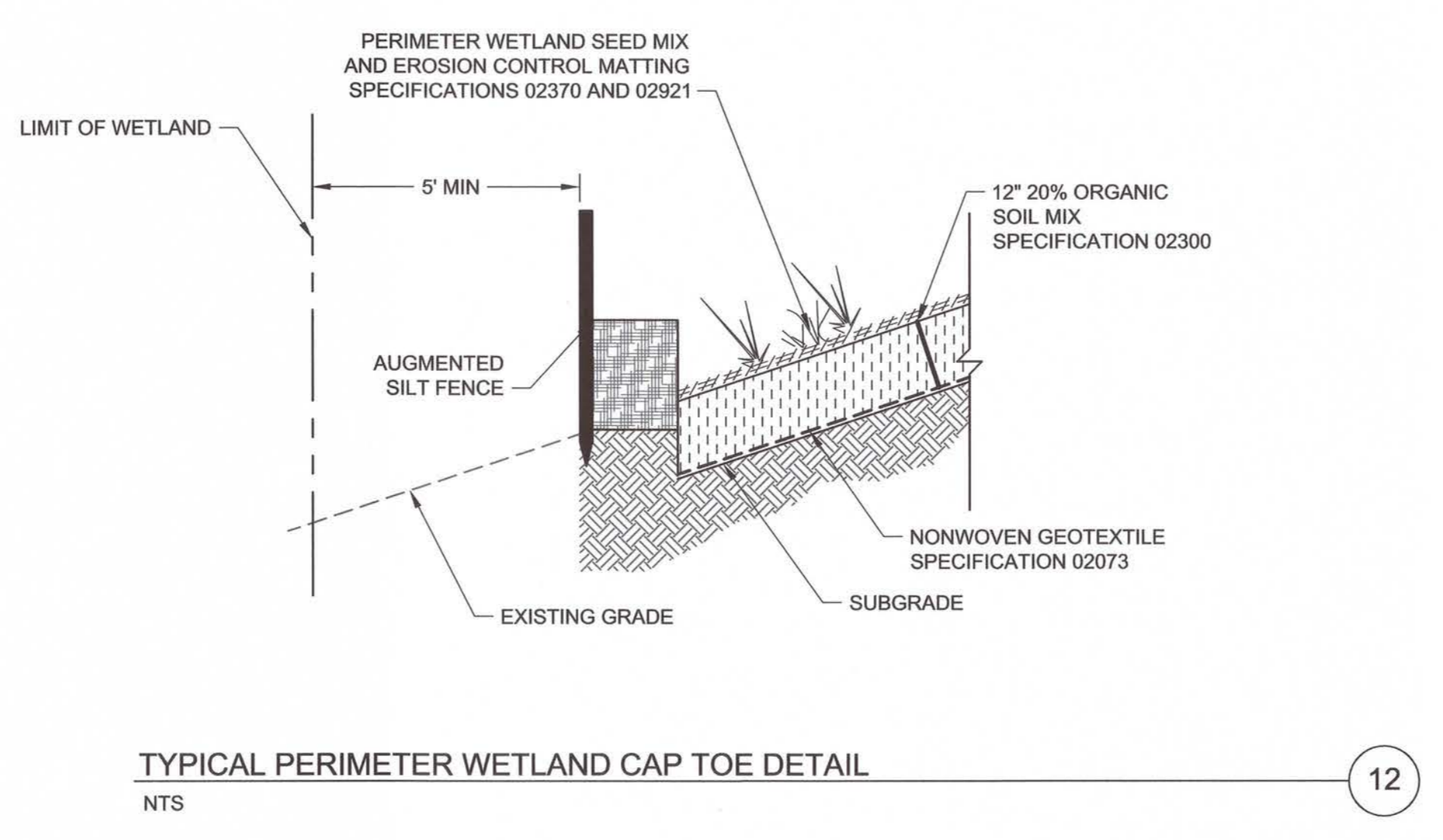
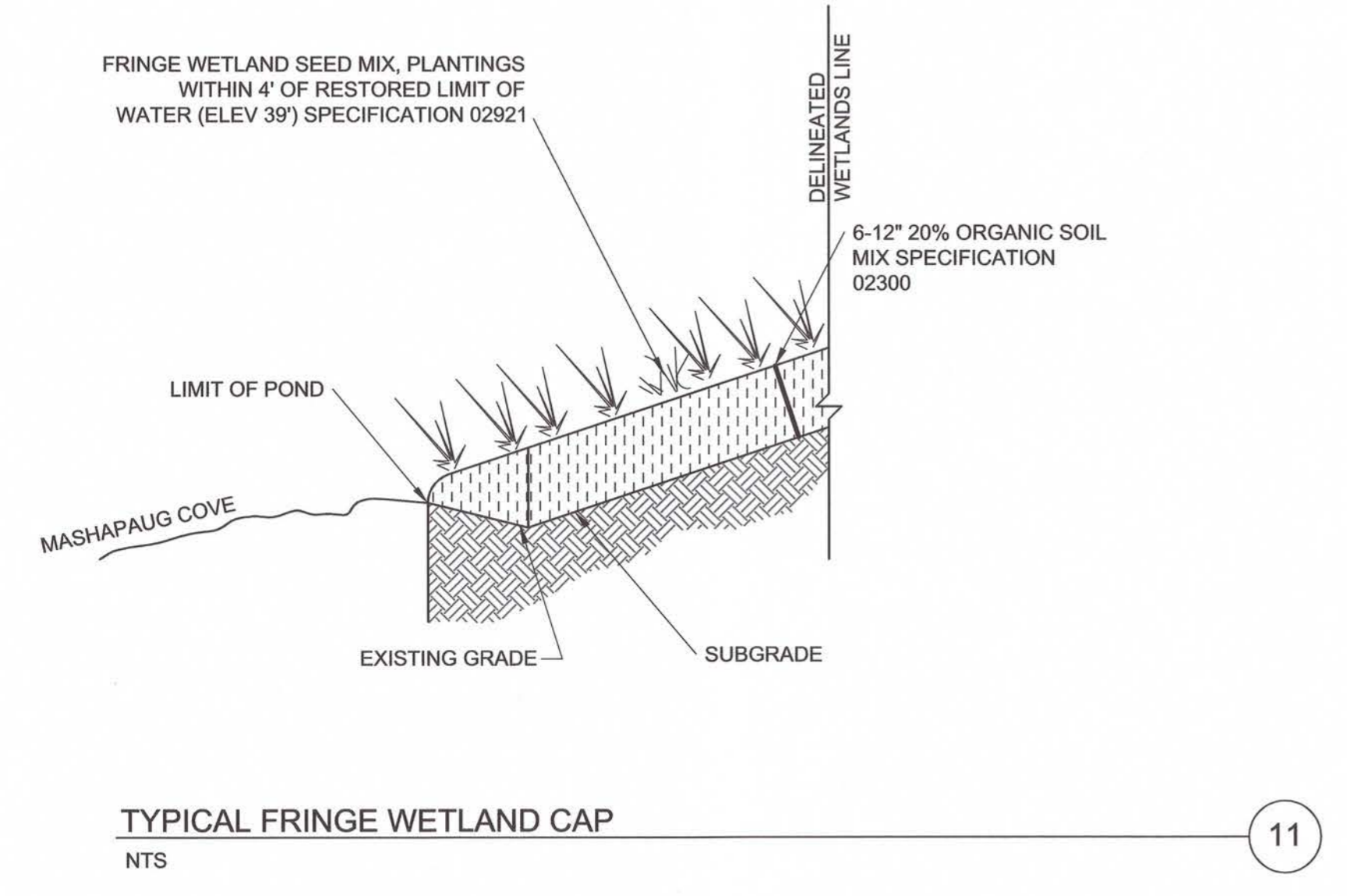
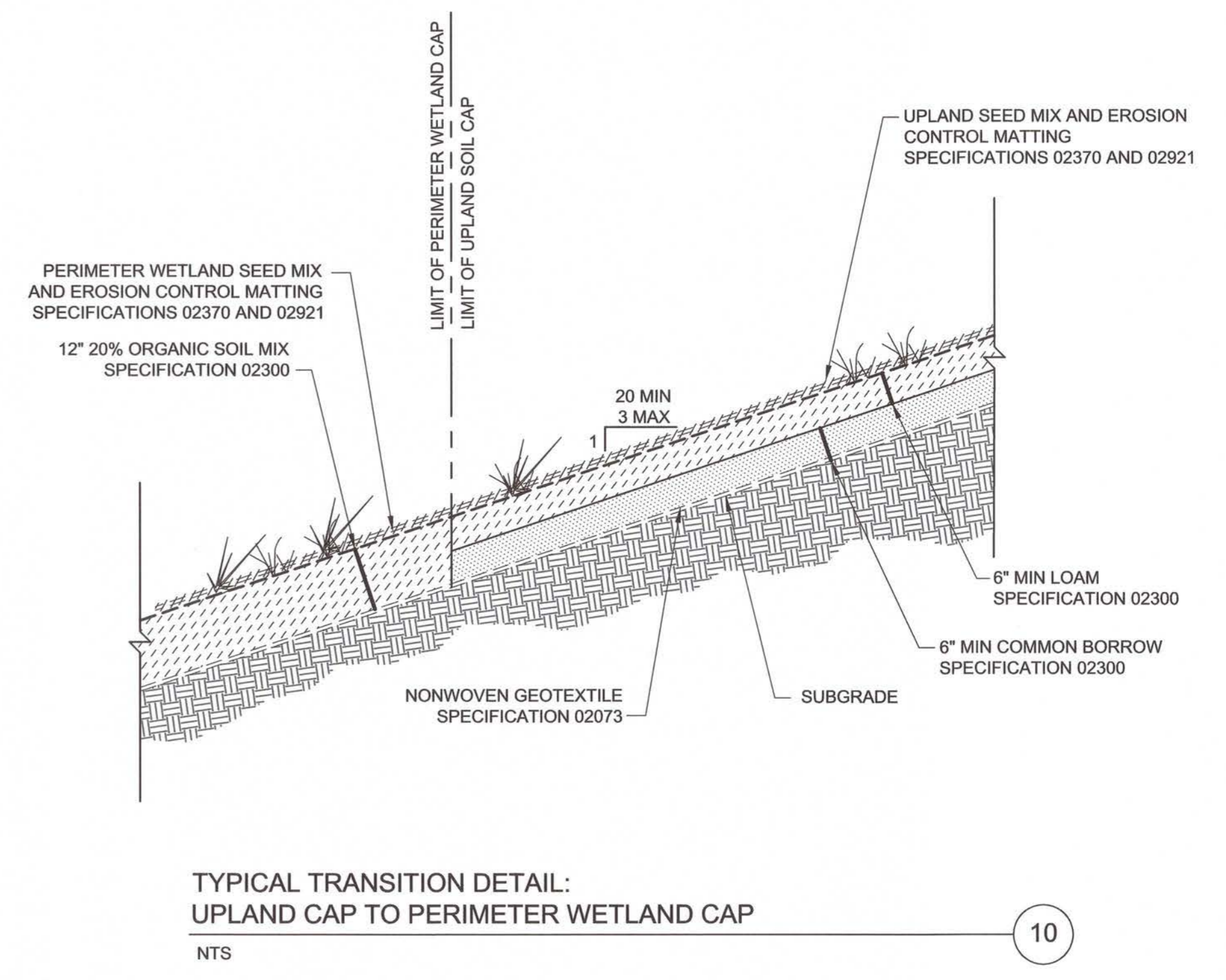
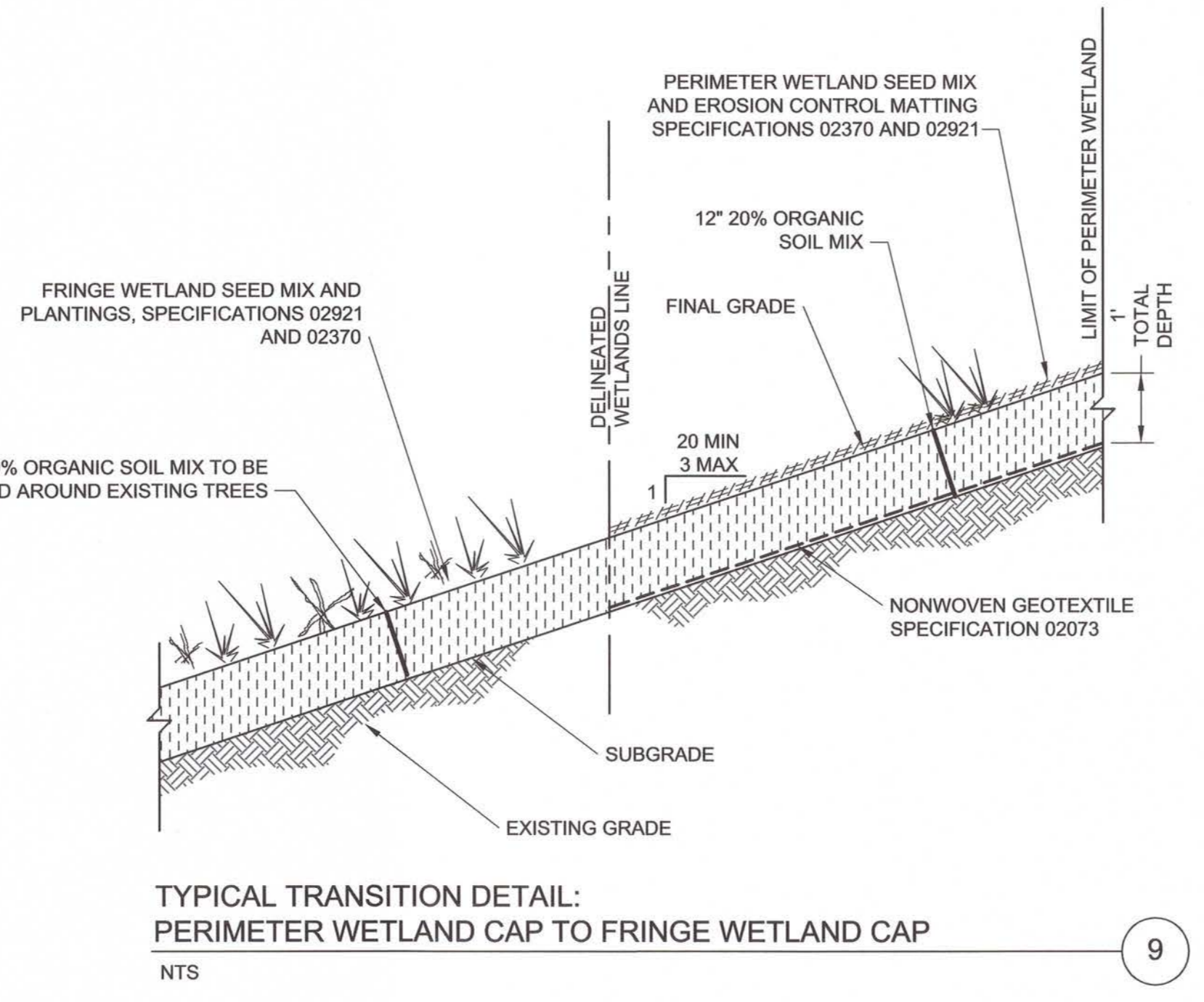
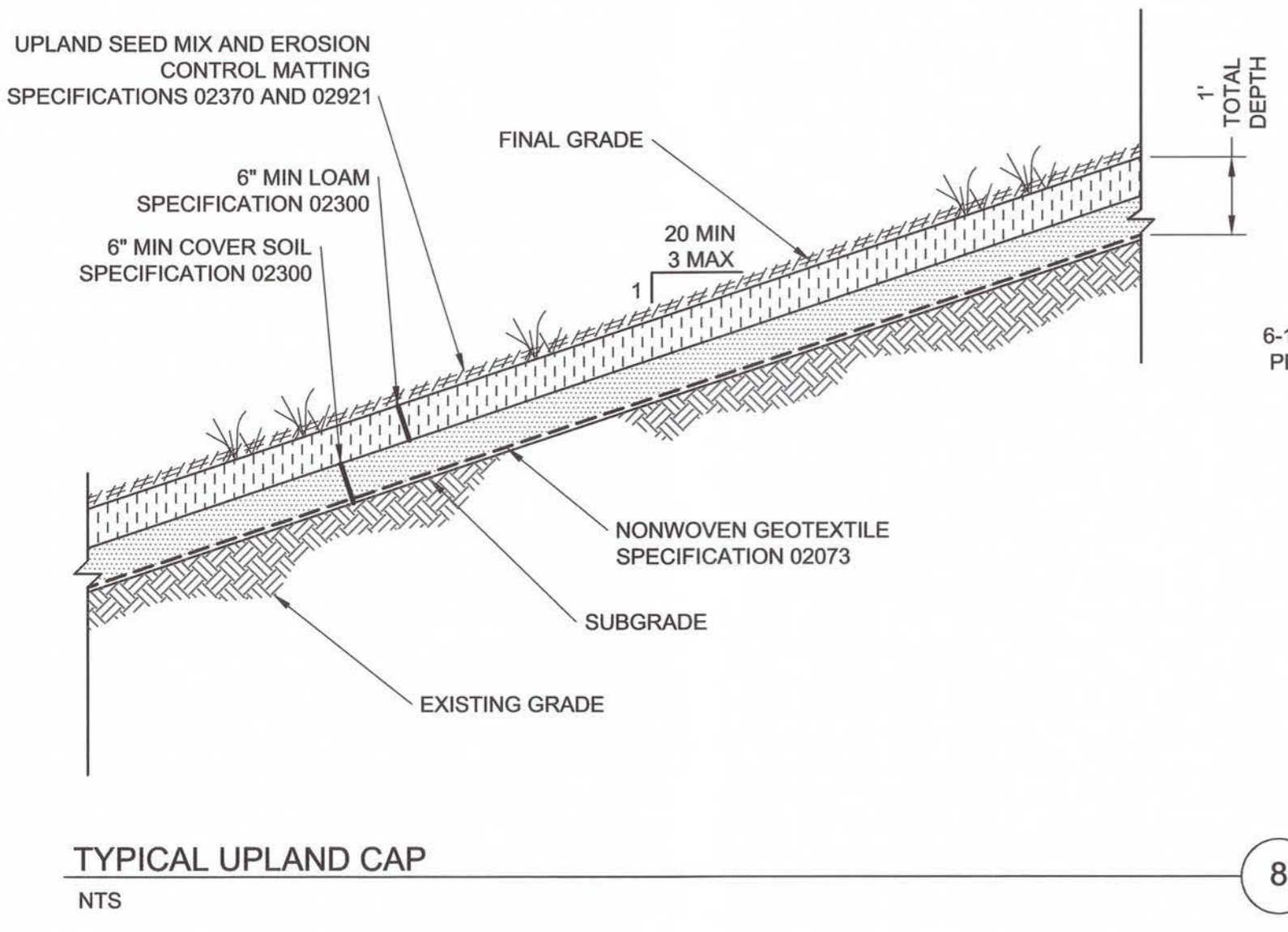


CLIENT: **TEXTRON, INC.**

DESIGNED BY: DAA
 CHECKED BY: TD
 PROJECT NUMBER: 3652140032
 DRAWING NUMBER: **C-502**
 SHEET NUMBER: **13 OF 14**

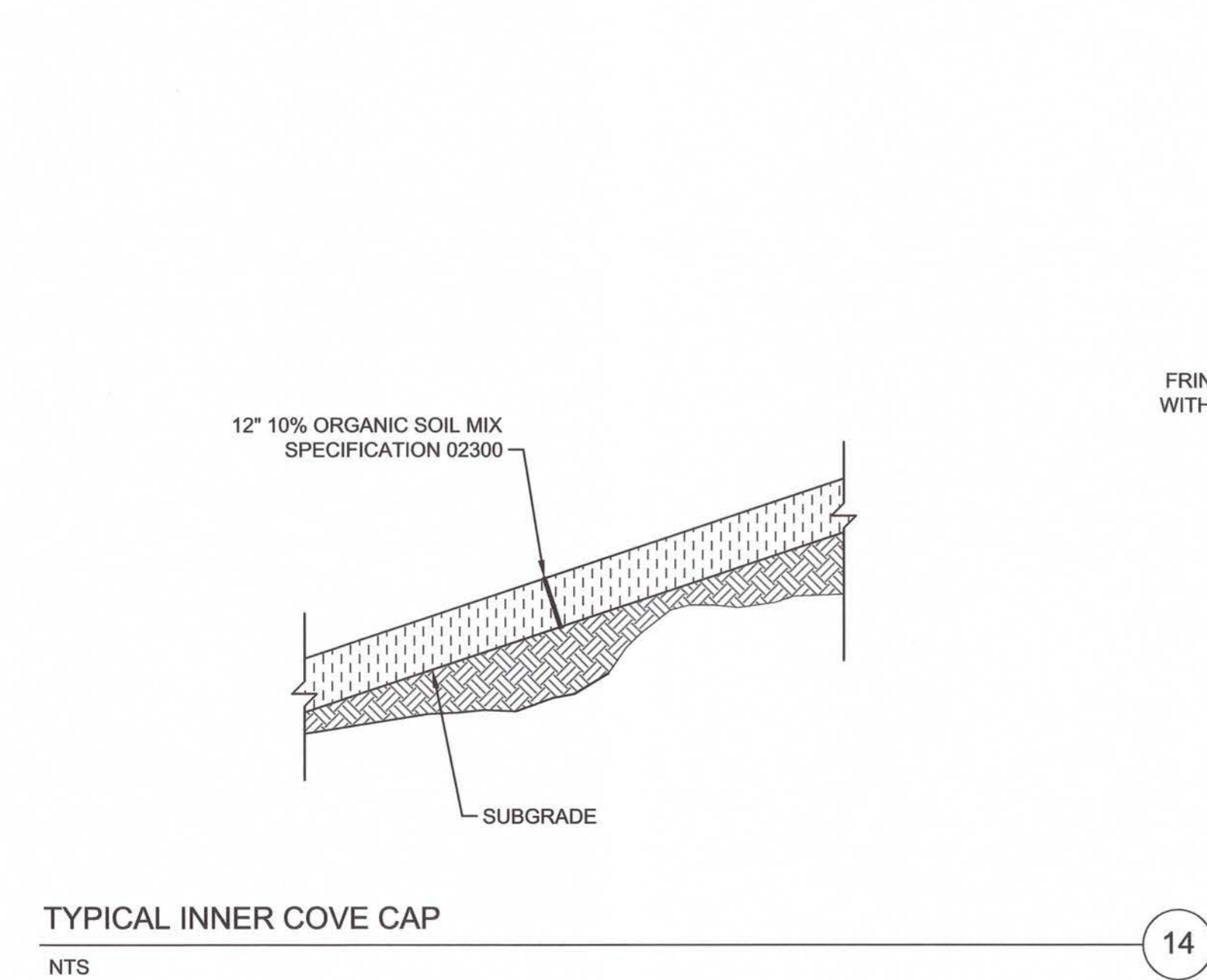
DRAWN BY: DED
 SCALE: NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 No. 9217
 ROBERT J. BUKOWSKI
 6/24/15

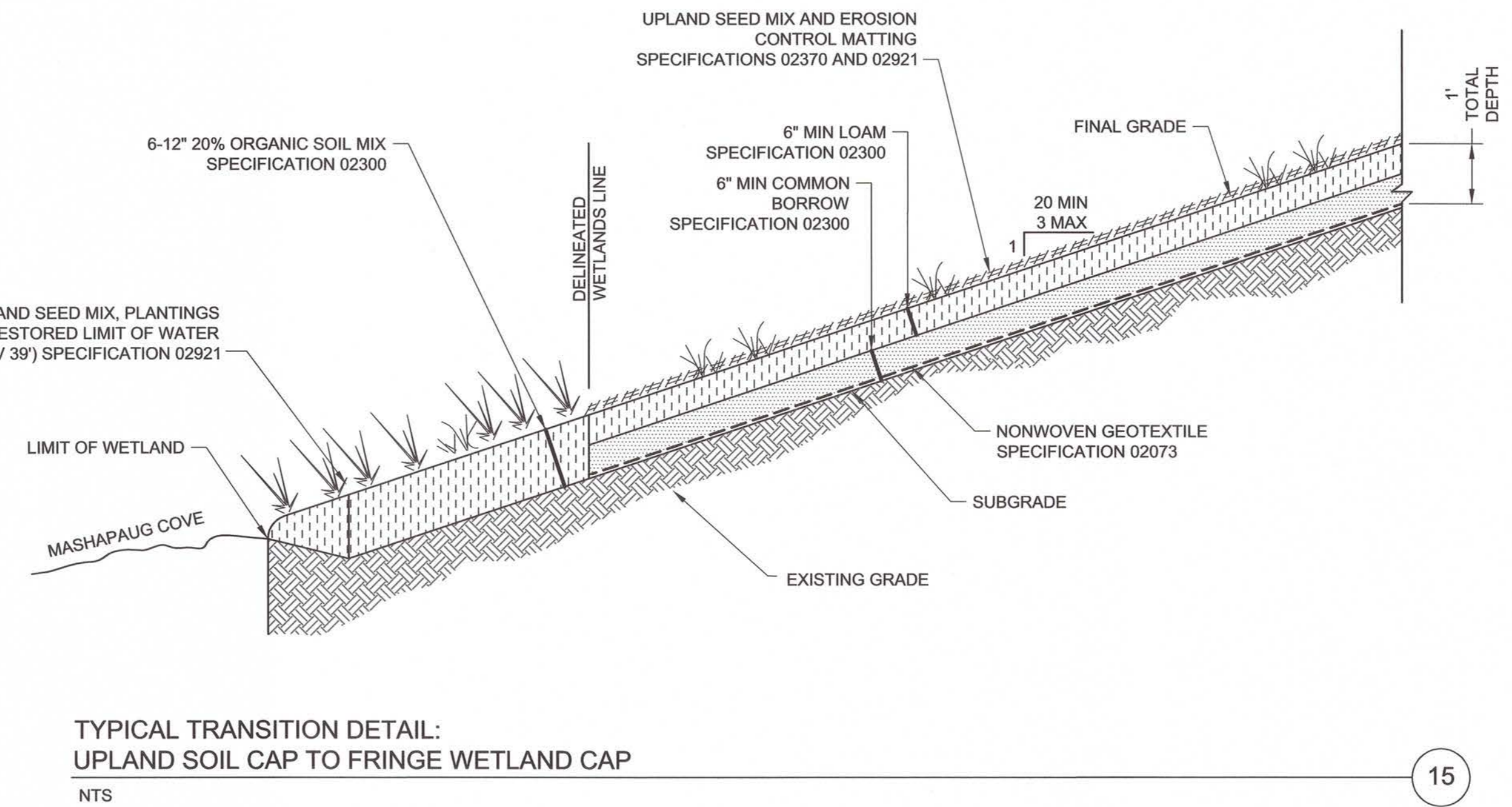


ISSUED FOR CONSTRUCTION **13 OF 14**

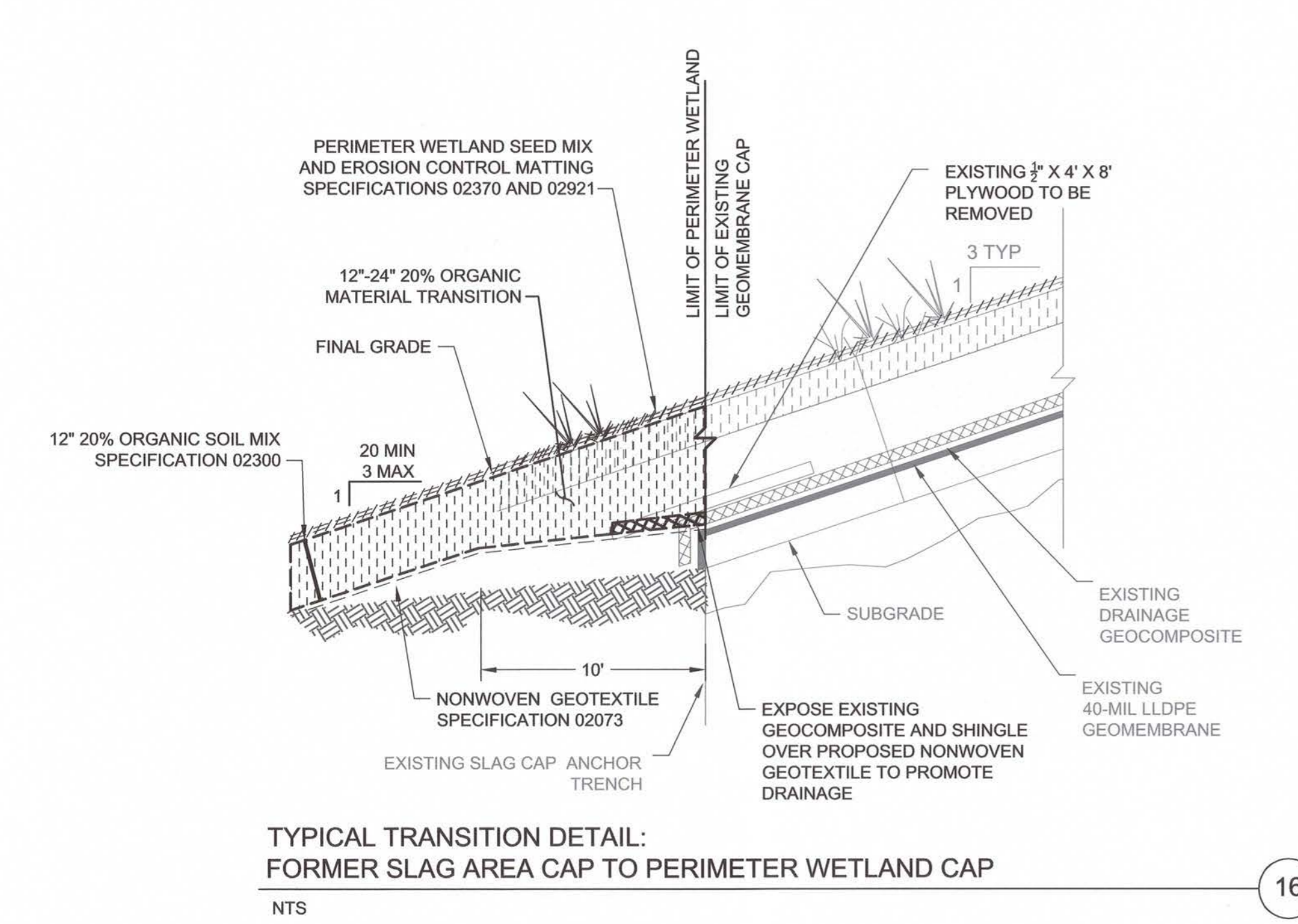
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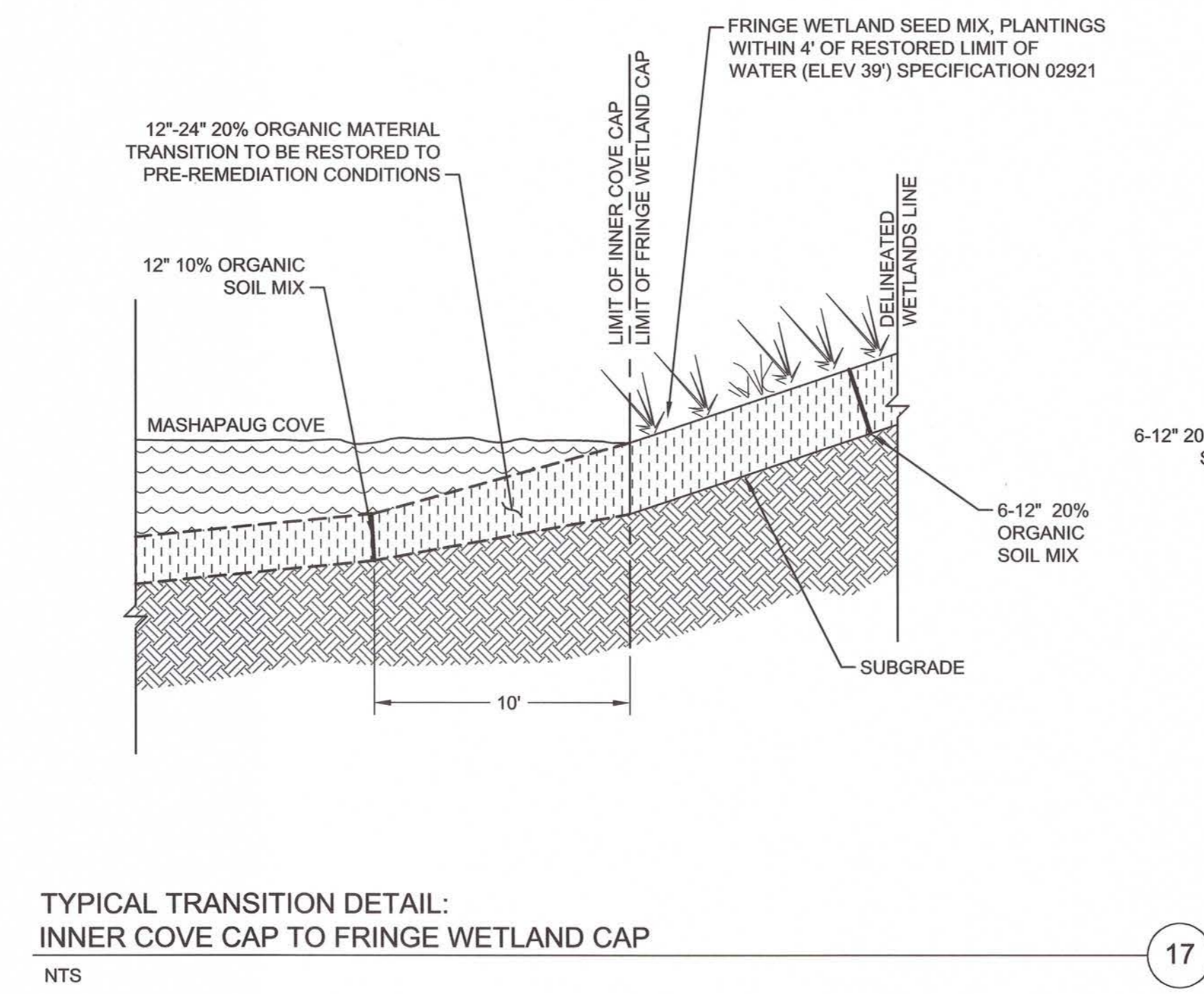
TYPICAL INNER COVE CAP
NTS



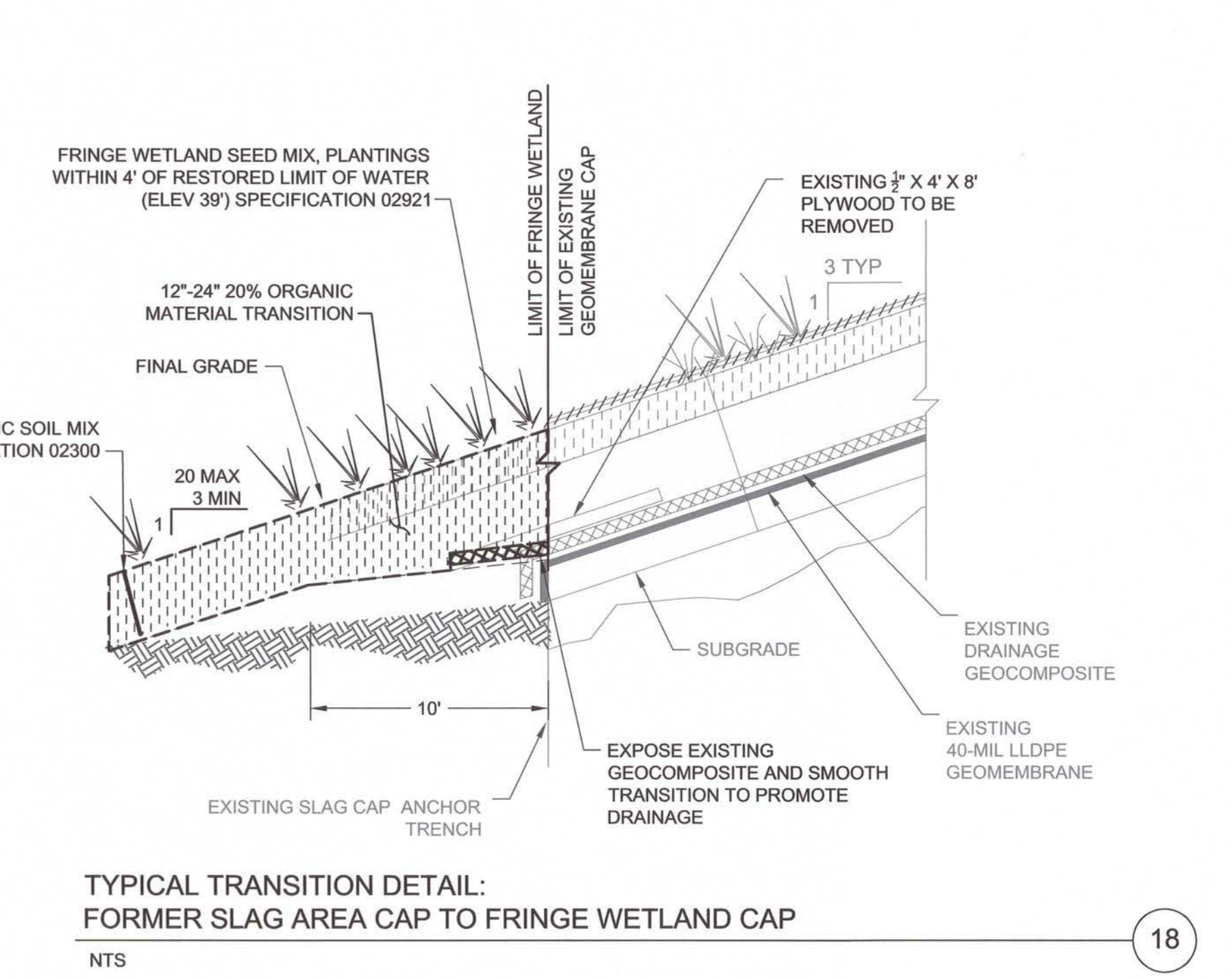
TYPICAL TRANSITION DETAIL:
UPLAND SOIL CAP TO FRINGE WETLAND CAP
NTS



TYPICAL TRANSITION DETAIL:
FORMER SLAG AREA CAP TO PERIMETER WETLAND CAP
NTS



TYPICAL TRANSITION DETAIL:
INNER COVE CAP TO FRINGE WETLAND CAP
NTS

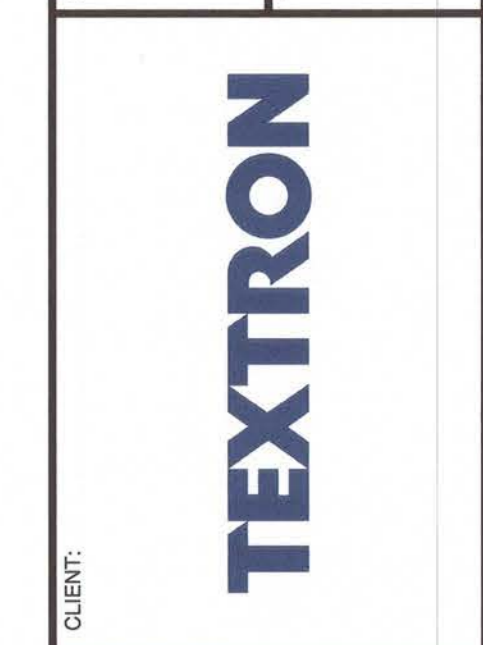


TYPICAL TRANSITION DETAIL:
FORMER SLAG AREA CAP TO FRINGE WETLAND CAP
NTS

REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
1	06/24/2015	ISSUED FOR CONSTRUCTION	DAA	RJB
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PROJECT: **TEXTRON, INC. PHASE II, III, AND PARCEL C CAP FORMER GORHAM MANUFACTURING SITE PROVIDENCE, RI**

TITLE: **DETAILS SHEET 3 OF 3**



CLIENT: **TEXTRON**

DESIGNED BY: DAA
DRAWN BY: DED
CHECKED BY: TD
SCALE: NOT TO SCALE

PROJECT NUMBER: 3652140032
DRAWING NUMBER: **C-503**
SHEET NUMBER: **14 OF 14**

REGISTERED PROFESSIONAL ENGINEER
ROBERT J. BUKOWSKI
No. 9217