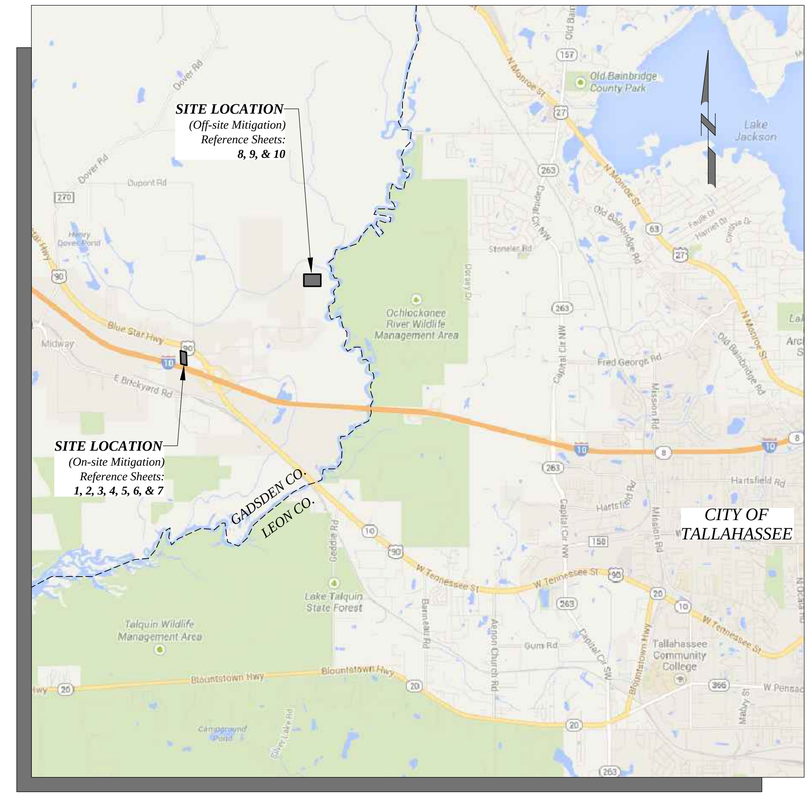
MIDWAY MACHINERY WETLAND MITIGATION

MIDWAY MACHINERY AUCTION, LLC - GADSDEN COUNTY, FLORIDA

LOCATION MAP

NOT TO SCALE

Sheet No.	Description
1	COVER\TITLE SHEET
2	EXISTING SITE CONDITIONS
3	ON-SITE WETLAND EXISTING HABITAT
4	PROPOSED SITE IMPROVEMENTS
5	PROPOSED GRADING PLAN
6	PROPOSED PLANTING LAYOUT (ON-SITE MITIGATION)
7	EROSION AND SEDIMENTATION CONTROLS PLAN
8	OFF-SITE MITIGATION PROPERTY MAP
9	OFF-SITE RESTORATION AREA EXISTING HABITAT
10	PROPOSED PLANTING LAYOUT (OFF-SITE RESTORATION)



VICINITY MAP

NOT TO SCALE

PERMIT DRAWINGS
FOR REVIEW PURPOSES ONLY

REVISIONS	DATE

JIM STIDHAM & ASSOCIATES, INC.
Hydrology, Geology, Civil & Environmental Engineering
Offices: Tallahassee , Florida
PHONE : 850/222-3975 FACSIMILE: 850/681-0560
FBPE CERTIFICATE OF AUTHORIZATION: 00005629

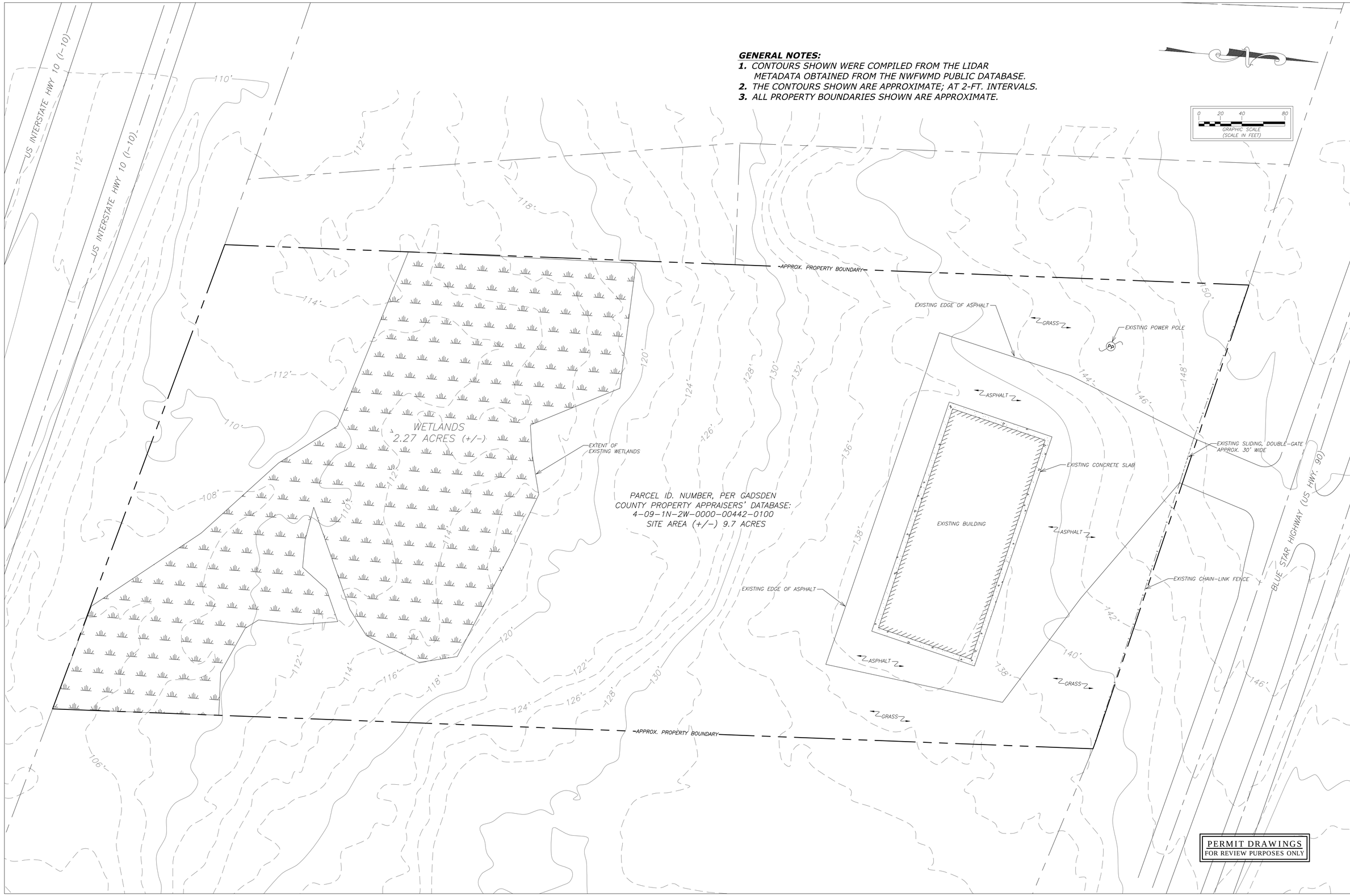
MIDWAY MACHINERY
32410 BLUE STAR HIGHWAY
GADSDEN COUNTY, FLORIDA 32343

COVER\TITLE SHEET

DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	1 OF 10

GENERAL NOTES:

1. CONTOURS SHOWN WERE COMPILED FROM THE LIDAR METADATA OBTAINED FROM THE NWFWMD PUBLIC DATABASE.
2. THE CONTOURS SHOWN ARE APPROXIMATE; AT 2-FT. INTERVALS.
3. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.



PERMIT DRAWINGS
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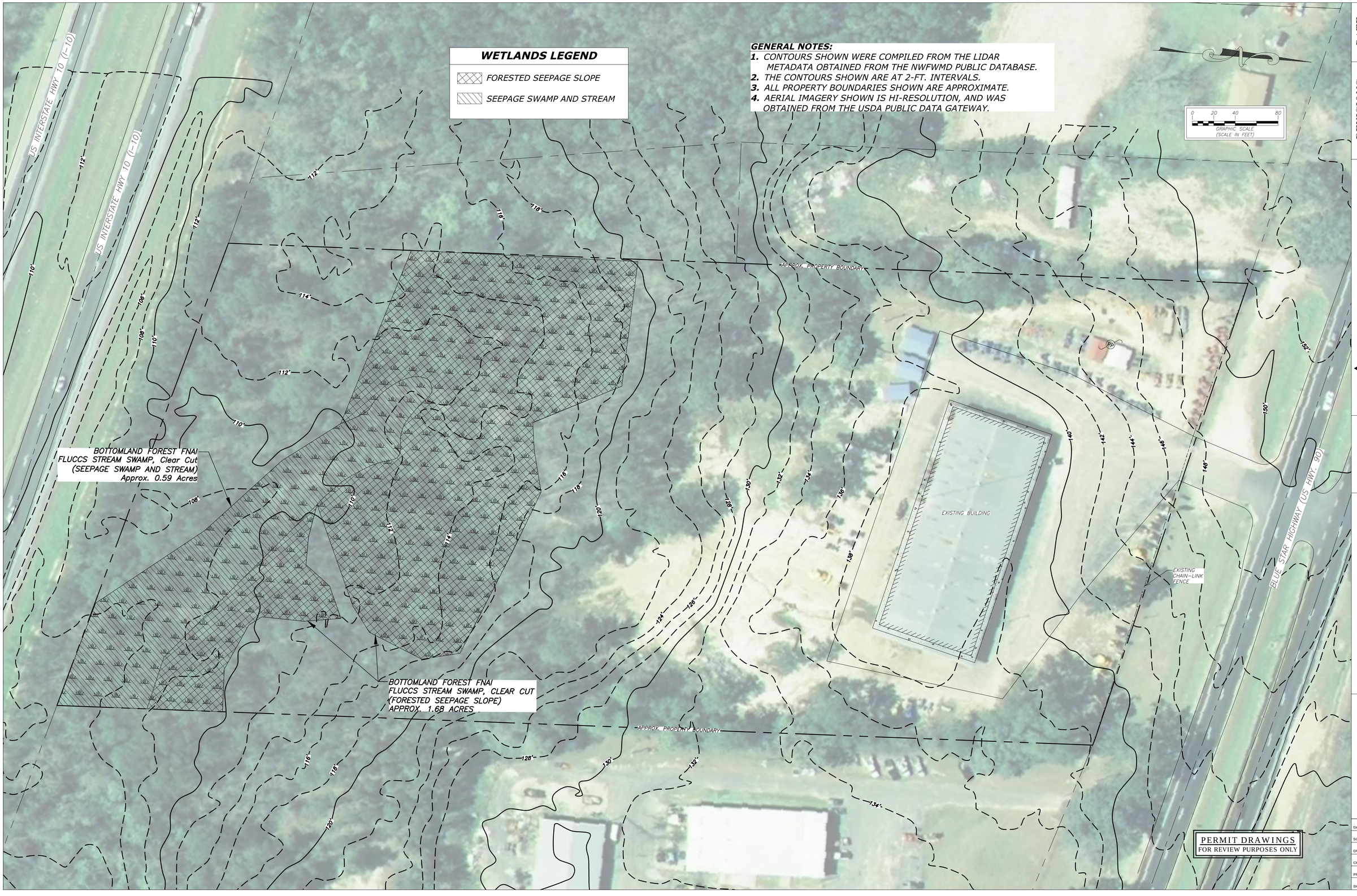
32410 BLUE STAR HIGHWAY
GADSDEN COUNTY, FLORIDA 32343
PARCEL ID, PER GADSDEN COUNTY
APPRAISERS': 4-09-1N-2W-0000-00442-0100

EXISTING
SITE CONDITIONS

DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	2 OF 10



REVISIONS	DATE

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PARCEL ID, PER GADSDEN COUNTY APPRAISERS': 4-09-1N-2W-0000-00442-0100

ON-SITE WETLAND EXISTING HABITAT

DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	3 OF 10

LEGEND

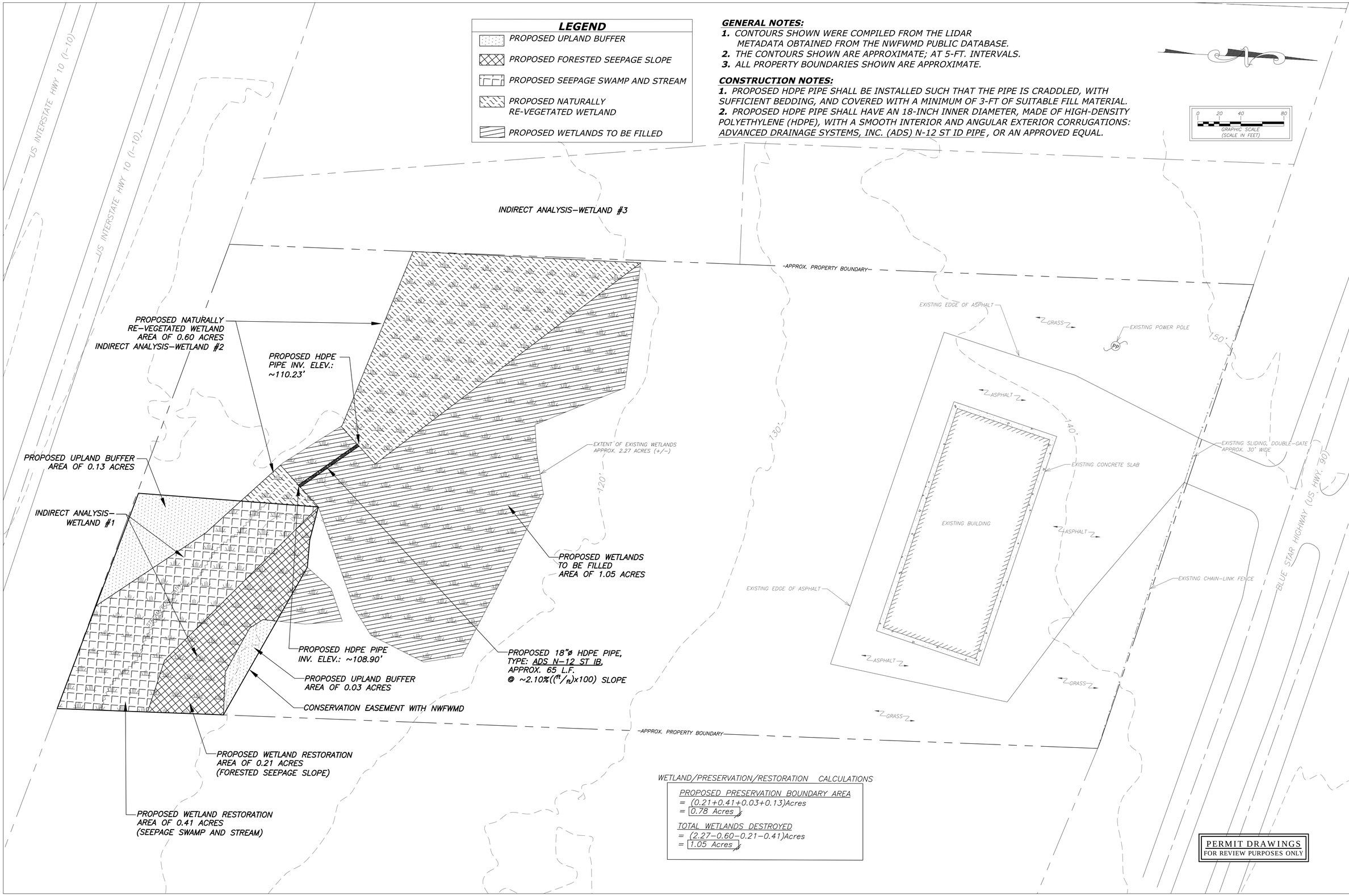
- PROPOSED UPLAND BUFFER
- PROPOSED FORESTED SEEPAGE SLOPE
- PROPOSED SEEPAGE SWAMP AND STREAM
- PROPOSED NATURALLY RE-VEGETATED WETLAND
- PROPOSED WETLANDS TO BE FILLED

GENERAL NOTES:

1. CONTOURS SHOWN WERE COMPILED FROM THE LIDAR METADATA OBTAINED FROM THE NWFWMD PUBLIC DATABASE.
2. THE CONTOURS SHOWN ARE APPROXIMATE; AT 5-FT. INTERVALS.
3. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.

CONSTRUCTION NOTES:

1. PROPOSED HDPE PIPE SHALL BE INSTALLED SUCH THAT THE PIPE IS CRADDLED, WITH SUFFICIENT BEDDING, AND COVERED WITH A MINIMUM OF 3-FT OF SUITABLE FILL MATERIAL.
2. PROPOSED HDPE PIPE SHALL HAVE AN 18-INCH INNER DIAMETER, MADE OF HIGH-DENSITY POLYETHYLENE (HDPE), WITH A SMOOTH INTERIOR AND ANGULAR EXTERIOR CORRUGATIONS: ADVANCED DRAINAGE SYSTEMS, INC. (ADS) N-12 ST ID PIPE, OR AN APPROVED EQUAL.



WETLAND/PRESERVATION/RESTORATION CALCULATIONS

PROPOSED PRESERVATION BOUNDARY AREA
= (0.21+0.41+0.03+0.13)Acres
= 0.78 Acres

TOTAL WETLANDS DESTROYED
= (2.27-0.60-0.21-0.41)Acres
= 1.05 Acres

PERMIT DRAWINGS
FOR REVIEW PURPOSES ONLY

REVISIONS	DATE
CALCS/UNDISTURBED AREA/ETC.	09/24/2014
WETLAND AREAS/RE-CALC/ETC.	10/05/2014
PIPE DETAILS/ETC.	10/14/2014
DENOTE ANALYSIS AREAS	10/28/2014

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BENJAMIN H. RUSH, P.E. No. 65197

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PROPOSED SITE IMPROVEMENTS

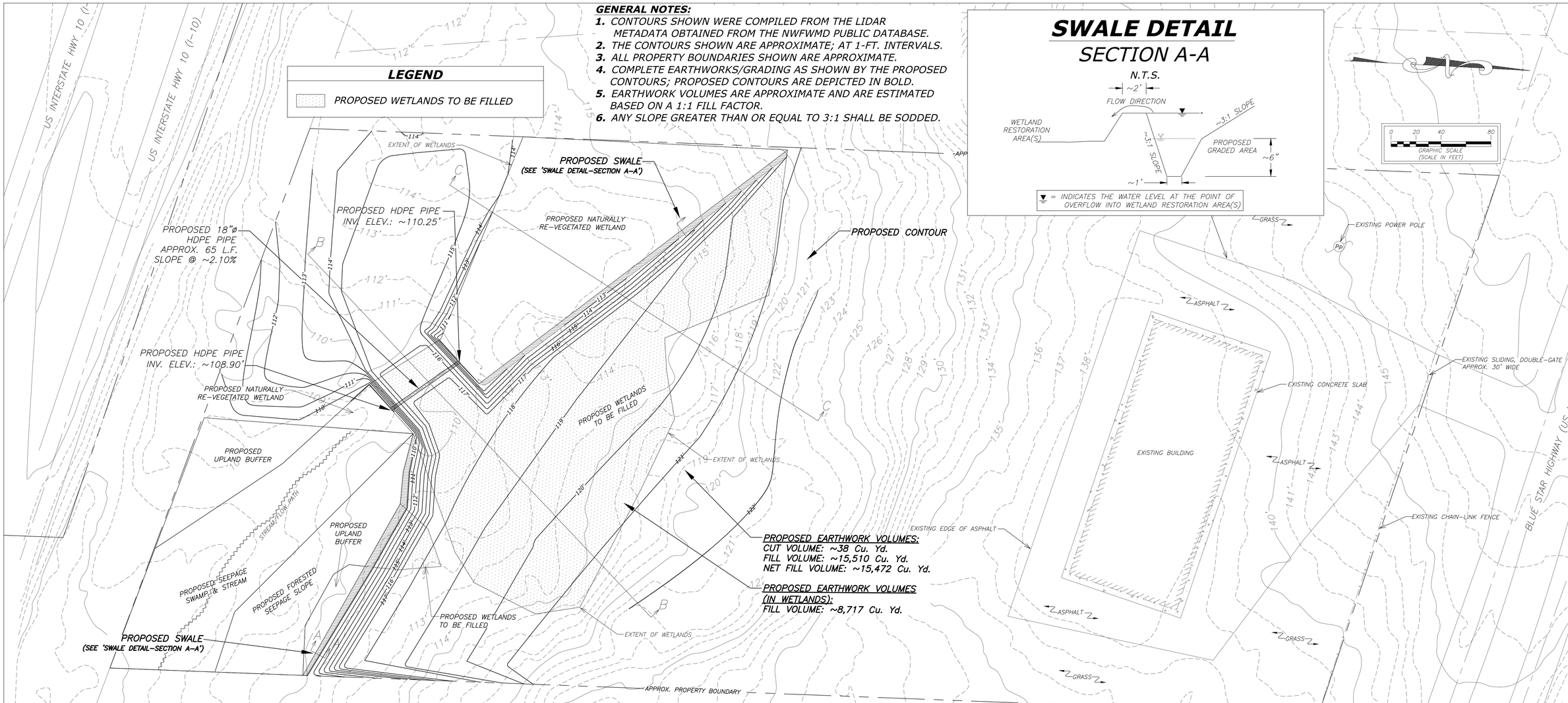
DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	4 OF 10

GENERAL NOTES:

1. CONTOURS SHOWN WERE COMPILED FROM THE LIDAR METADATA OBTAINED FROM THE NWFWMD PUBLIC DATABASE.
2. THE CONTOURS SHOWN ARE APPROXIMATE; AT 1-FT. INTERVALS.
3. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
4. COMPLETE EARTHWORKS/GRADING AS SHOWN BY THE PROPOSED CONTOURS; PROPOSED CONTOURS ARE DEPICTED IN BOLD.
5. EARTHWORK VOLUMES ARE APPROXIMATE AND ARE ESTIMATED BASED ON A 1:1 FILL FACTOR.
6. ANY SLOPE GREATER THAN OR EQUAL TO 3:1 SHALL BE SODDED.

LEGEND

PROPOSED WETLANDS TO BE FILLED



SWALE DETAIL

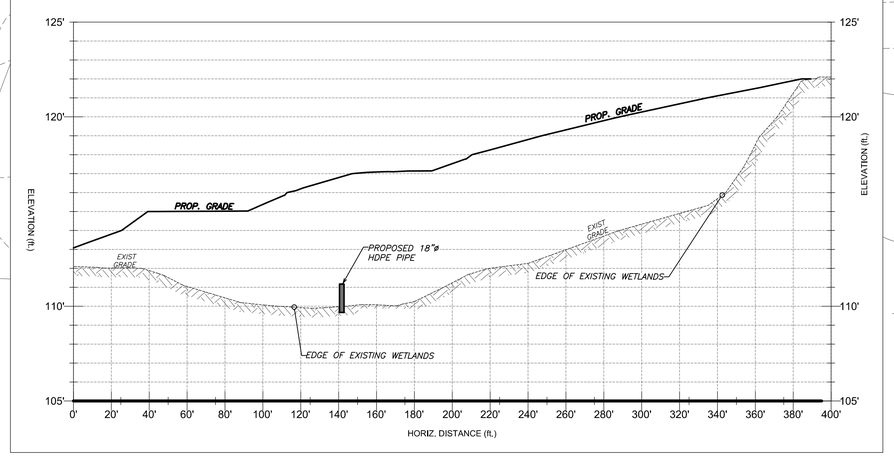
SECTION A-A

N.T.S.

▼ = INDICATES THE WATER LEVEL AT THE POINT OF OVERFLOW INTO WETLAND RESTORATION AREA(S)

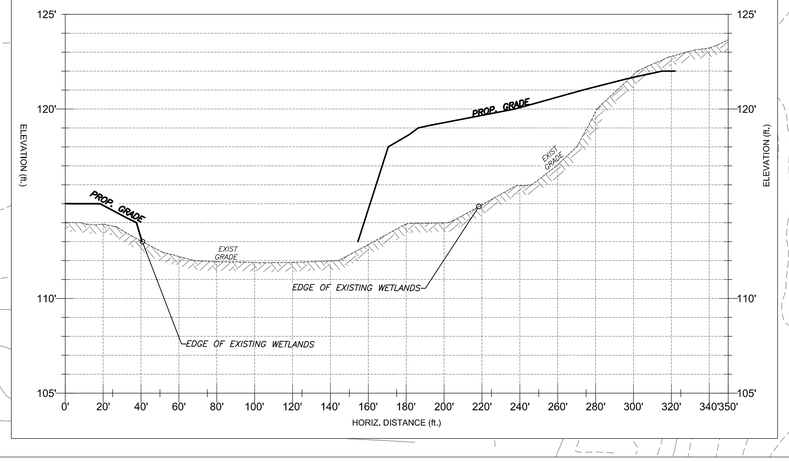
NOTE: SECTION DIAGRAM HAVE A 1:10 VERTICAL EXAGGERATION

SECTION DIAGRAM B-B



NOTE: SECTION DIAGRAM HAVE A 1:10 VERTICAL EXAGGERATION

SECTION DIAGRAM C-C



PERMIT DRAWINGS
FOR REVIEW PURPOSES ONLY

REVISIONS	DATE
VOL. CALCS/GRADING REV./ETC.	09/24/2014

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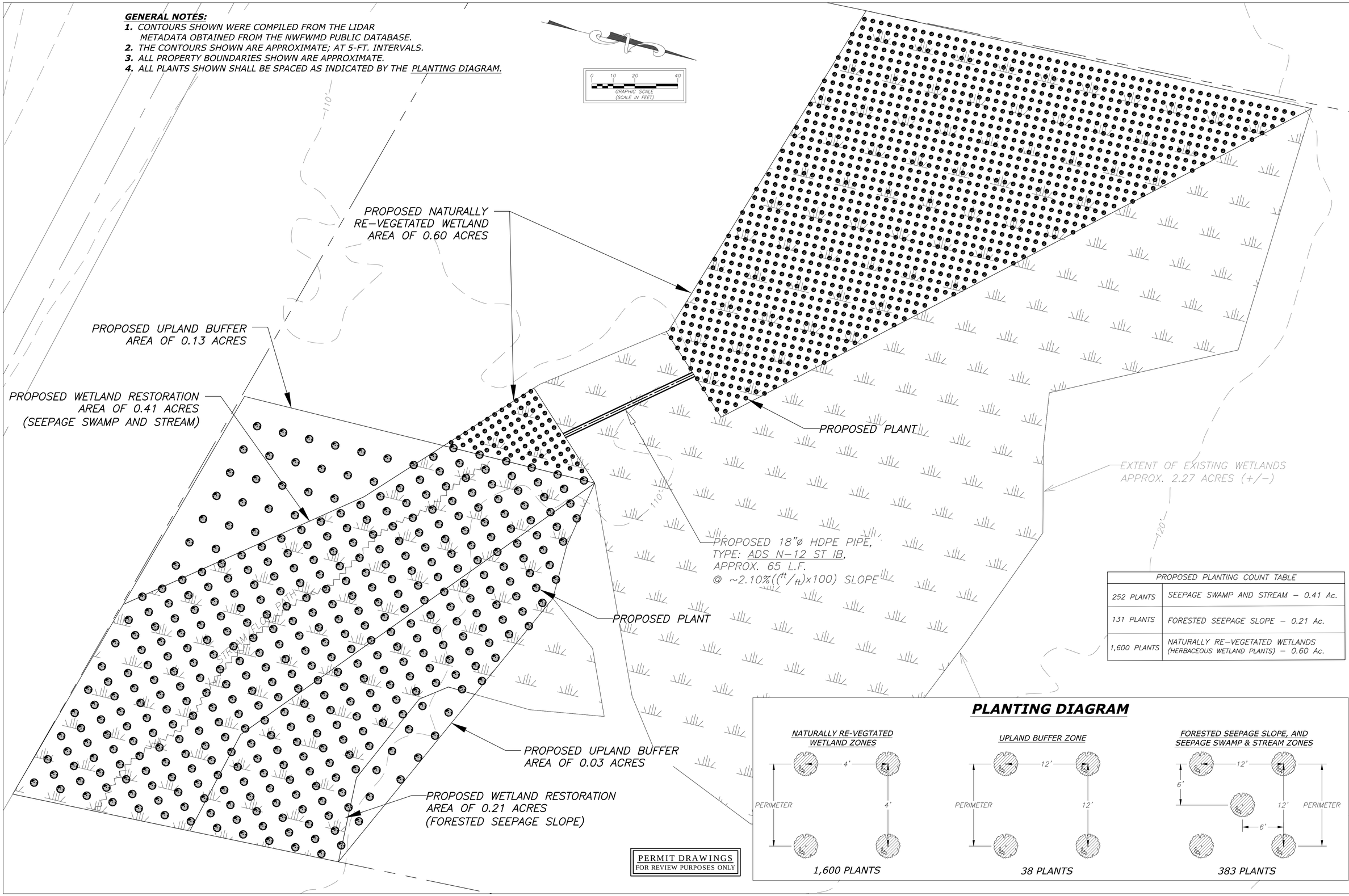
PARCEL ID, PER GADSDEN COUNTY
APPRAISERS': 4-09-1N-2W-0000-00442-0100

PROPOSED GRADING PLAN

DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	5 of 10

GENERAL NOTES:

1. CONTOURS SHOWN WERE COMPILED FROM THE LIDAR METADATA OBTAINED FROM THE NWFWMD PUBLIC DATABASE.
2. THE CONTOURS SHOWN ARE APPROXIMATE; AT 5-FT. INTERVALS.
3. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
4. ALL PLANTS SHOWN SHALL BE SPACED AS INDICATED BY THE PLANTING DIAGRAM.



PROPOSED PLANTING COUNT TABLE	
252 PLANTS	SEEPAGE SWAMP AND STREAM – 0.41 Ac.
131 PLANTS	FORESTED SEEPAGE SLOPE – 0.21 Ac.
1,600 PLANTS	NATURALLY RE-VEGETATED WETLANDS (HERBACEOUS WETLAND PLANTS) – 0.60 Ac.

PLANTING DIAGRAM

REVISIONS	DATE
PLANTING COUNT TABLE/ETC.	09/24/2014
PLANT COUNT-LAYOUT/ETC.	10/14/2014

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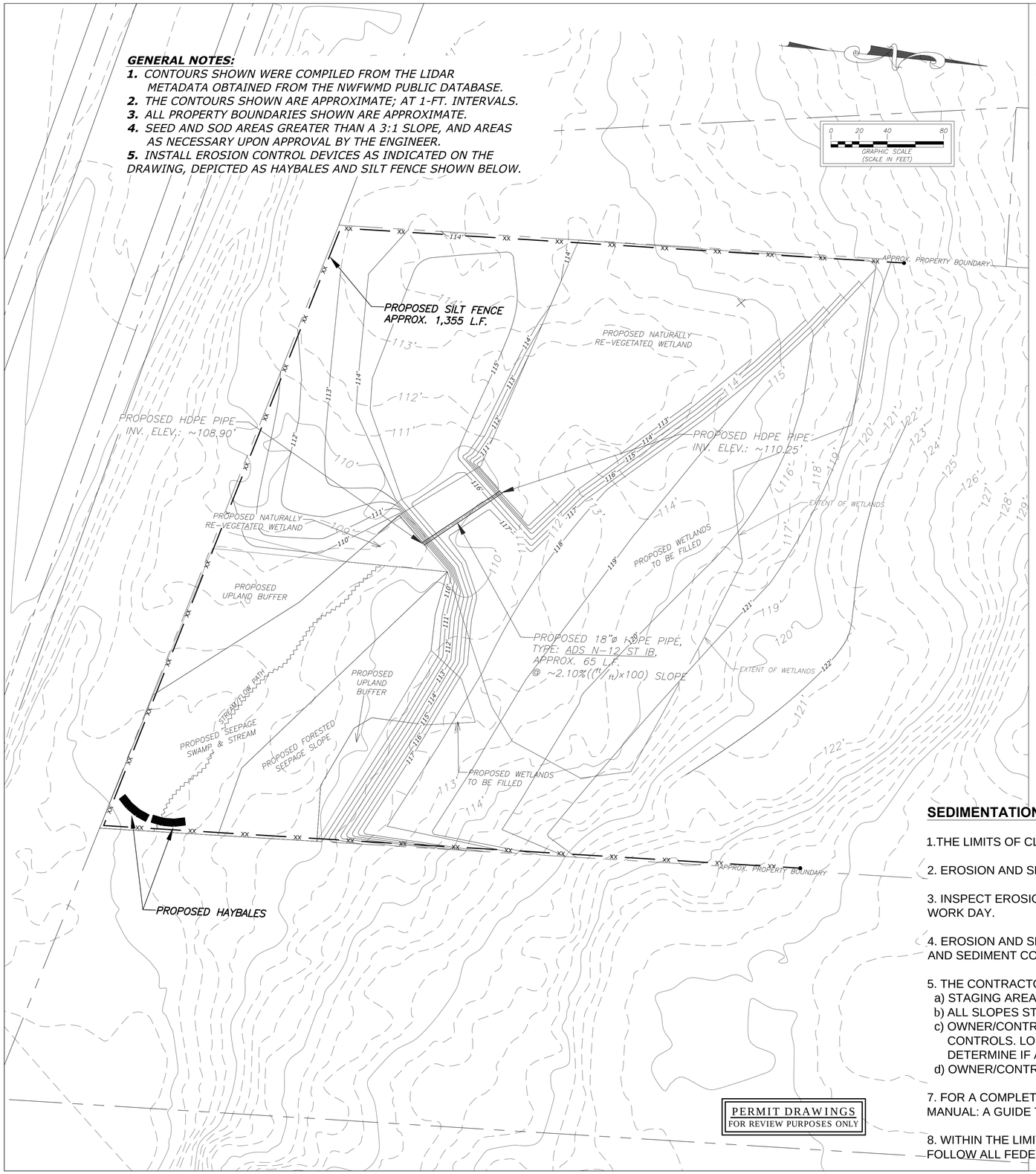
PROPOSED PLANTING LAYOUT (ON-SITE MITIGATION)

DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	6 OF 10

GENERAL NOTES:

1. CONTOURS SHOWN WERE COMPILED FROM THE LIDAR METADATA OBTAINED FROM THE NWFWMD PUBLIC DATABASE.
2. THE CONTOURS SHOWN ARE APPROXIMATE; AT 1-FT. INTERVALS.
3. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
4. SEED AND SOD AREAS GREATER THAN A 3:1 SLOPE, AND AREAS AS NECESSARY UPON APPROVAL BY THE ENGINEER.
5. INSTALL EROSION CONTROL DEVICES AS INDICATED ON THE DRAWING, DEPICTED AS HAYBALES AND SILT FENCE SHOWN BELOW.



PERMIT DRAWINGS
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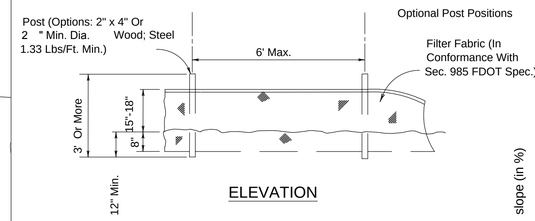
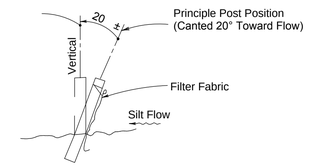
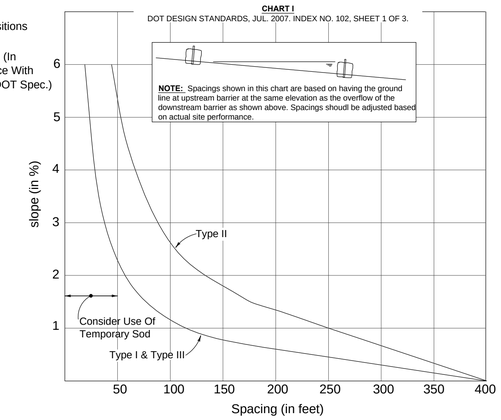


ELEVATION

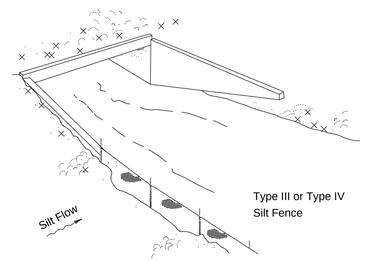


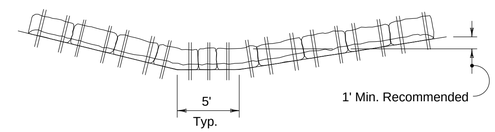
SECTION

TYPE III SILT FENCE



RECOMMENDED SPACING FOR SYNTHETIC BALES OR BALE TYPE BARRIER AND TYPE III SILT FENCE





Anchor Bales With 2 - 2" x 2" x 4' Stakes Per Bale

ELEVATION

TYPE I

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

Note: Spacing for Type III Fence to be in accordance with **Chart I** F.D.O.T. Design Standards, Jul. 2007. Index No. 102, Sheet 1 of 3.
REFERENCED IN CHART ABOVE

SEDIMENTATION AND EROSION CONTROL NOTES:

1.THE LIMITS OF CLEARING SHALL BE FLAGGED AND TREE PROTECTION BARRICADES ERECTED PRIOR TO ANY OTHER ACTIVITY.

2. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES DEEMED NECESSARY.

3. INSPECT EROSION AND SEDIMENT CONTROL DEVICES OFTEN AND COMPLETE NEEDED REPAIRS OR MAINTENANCE AT THE END OF EACH WORK DAY.

4. EROSION AND SEDIMENT CONTROL DEVICES SHOWN ON THESE DRAWINGS ARE CONSIDERED A MINIMUM. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED IF DEEMED NECESSARY BY ACTUAL FIELD CONDITIONS.

5. THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING:
   a) STAGING AREAS WILL BE STABILIZED AND CONTROLLED WITH SILT FENCES AROUND THE PERIMETER OF THE AREA AS NEEDED.
   b) ALL SLOPES STEEPER THAN 4:1 SHALL BE SODDED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.
   c) OWNER/CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE DURING CONSTRUCTION OF ALL SEDIMENTATION CONTROLS. LONGITUDINAL DITCH/SWALE SLOPES STEEPER THAN 3-PERCENT (%) WILL BE INSPECTED IN THE FIELD TO DETERMINE IF ADDITIONAL EROSION CONTROL IS NEEDED.
   d) OWNER/CONTRACTOR SHALL USE SILT SCREEN AND/OR HAY BALES TO PREVENT SILT AND ERODED SOILS FROM LEAVING SITE.

7. FOR A COMPLETE DESCRIPTION AND DETAILS OF BEST MANAGEMENT PRACTICES, SEE CHAPTER 6 OF THE "FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT", PREPARED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

8. WITHIN THE LIMITS OF CONSTRUCTION AND SURROUNDING AREA, PROTECTED SPECIES MAY BE PRESENT. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL RULES AND REGULATIONS REGARDING THESE PROTECTED SPECIES.

REVISIONS	DATE
GRADING MOD./ETC.	09/24/2014

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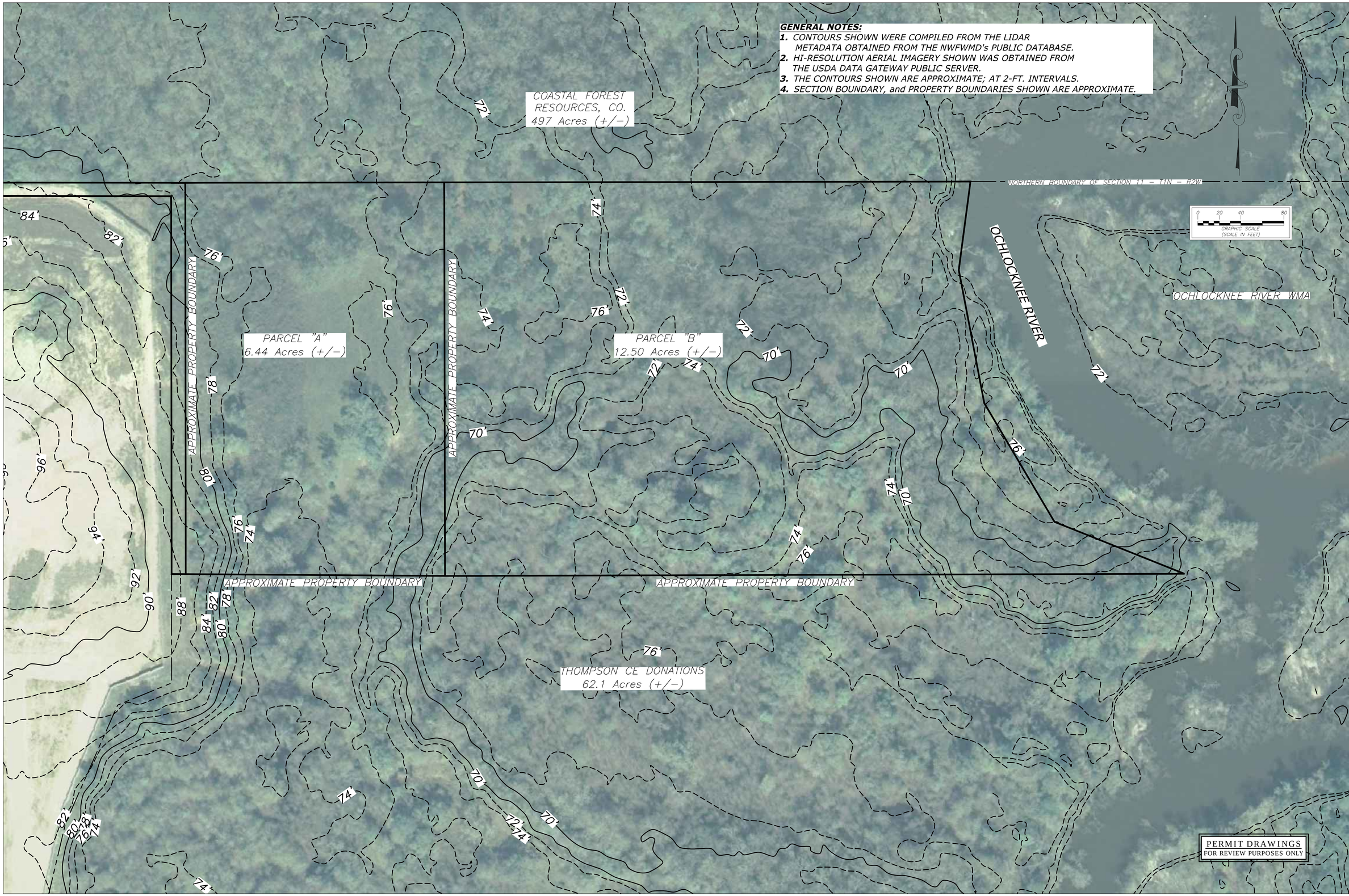
PARCEL ID, PER GADSDEN COUNTY
APPRAISERS': 4-09-1N-2W-0000-00442-0100

EROSION AND SEDIMENTATION CONTROLS PLAN

DATE:	JULY 2014
SCALE:	AS SHOWN
DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	7 OF 10

GENERAL NOTES:

1. CONTOURS SHOWN WERE COMPILED FROM THE LIDAR METADATA OBTAINED FROM THE NWFWMD's PUBLIC DATABASE.
2. HI-RESOLUTION AERIAL IMAGERY SHOWN WAS OBTAINED FROM THE USDA DATA GATEWAY PUBLIC SERVER.
3. THE CONTOURS SHOWN ARE APPROXIMATE; AT 2-FT. INTERVALS.
4. SECTION BOUNDARY, and PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.



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OFF-SITE MITIGATION PROPERTY MAP

DATE:	JULY 2014
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DRAWN BY:	JHP
CHECKED BY:	BHR
PROJECT NO.:	9000-034
SHEET	8 OF 10

GENERAL NOTES:

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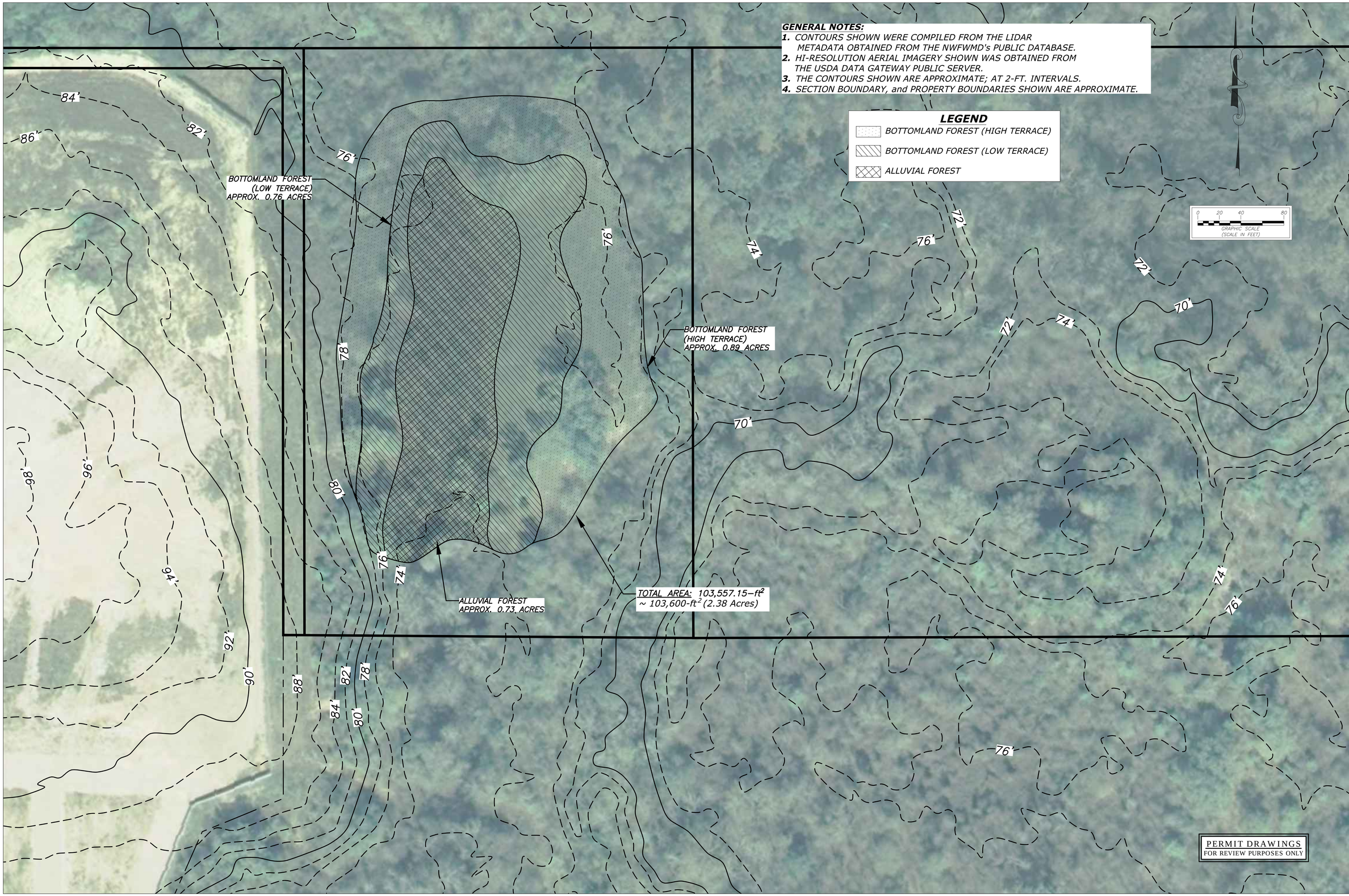
3. THE CONTOURS SHOWN ARE APPROXIMATE; AT 2-FT. INTERVALS.
4. SECTION BOUNDARY, and PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.

LEGEND

- BOTTOMLAND FOREST (HIGH TERRACE)
- BOTTOMLAND FOREST (LOW TERRACE)
- ALLUVIAL FOREST



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OFF-SITE RESTORATION AREA EXISTING HABITAT

DATE:	JULY 2014
SCALE:	AS SHOWN
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SHEET	9 OF 10

NORTHERN BOUNDARY OF SECTION 11 – T1N – R2W

GENERAL NOTES:

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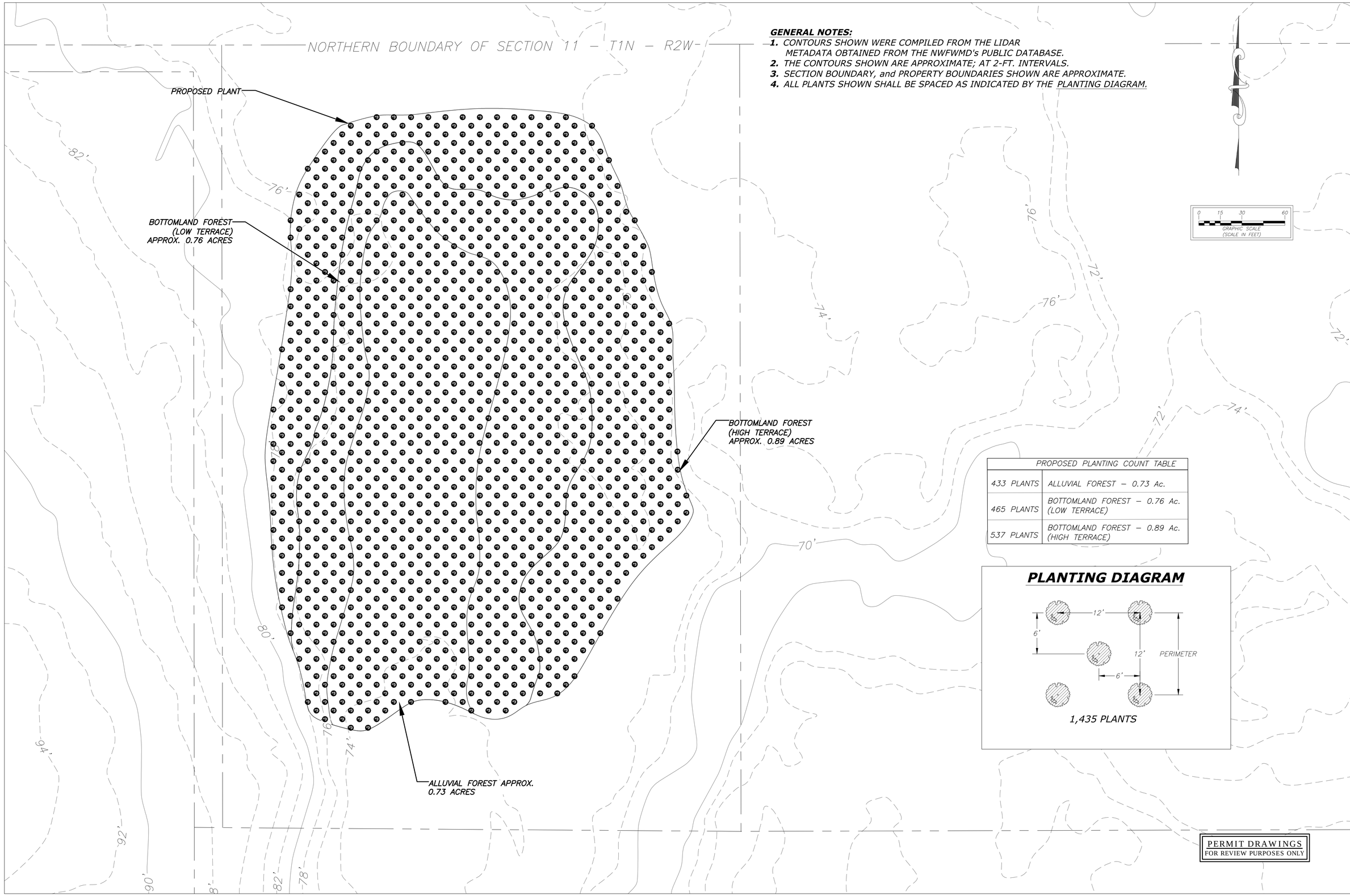
3. SECTION BOUNDARY, and PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
4. ALL PLANTS SHOWN SHALL BE SPACED AS INDICATED BY THE PLANTING DIAGRAM.



PROPOSED PLANTING COUNT TABLE	
433 PLANTS	ALLUVIAL FOREST – 0.73 Ac.
465 PLANTS	BOTTOMLAND FOREST – 0.76 Ac. (LOW TERRACE)
537 PLANTS	BOTTOMLAND FOREST – 0.89 Ac. (HIGH TERRACE)

PLANTING DIAGRAM

1,435 PLANTS

PERMIT DRAWINGS
FOR REVIEW PURPOSES ONLY

REVISIONS	DATE
PLANTING COUNT TABLE/ETC.	09/24/2014

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PROPOSED PLANTING LAYOUT (OFF-SITE RESTORATION)

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PROJECT NO.:	9000-034
SHEET	10 OF 10