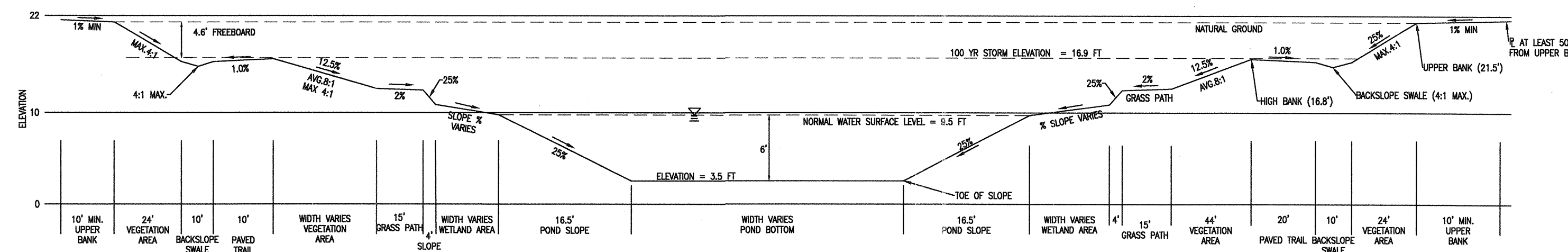
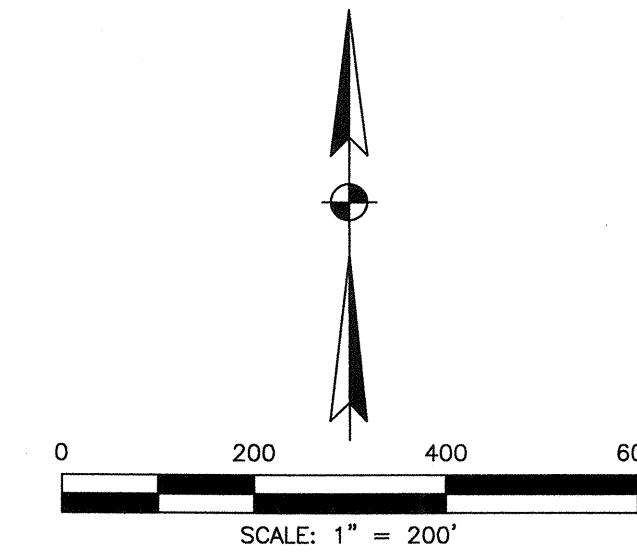




PROPOSED OVERALL LAYOUT



TYPICAL PROPOSED CROSS SECTION (N.T.S.)



- NOTES:**
1. DETENTION POND AND OUTFALL STRUCTURE TO BE MAINTAINED BY CLEAR LAKE CITY WATER AUTHORITY.
  2. TREES TO REMAIN NEAR UPPER BANK OR TREES IN AREAS TO BE GRADED MAY REQUIRE PROTECTION. SEE DETAIL 1 SHEET 24. TREES MAY REQUIRE REMOVAL CONTRACTOR TO COORDINATE REMOVAL OF TREES OUTSIDE UPPER BANK WITH THE ENGINEER.
  3. ALL AREAS STRIPPED OF TOP SOIL SHALL BE REPLACED WITH COMPOST TO ENSURE NATURAL GROUND RETURNS TO EXISTING ELEVATIONS. FINISHED GRADE SHALL NOT BE HIGHER THAN EXISTING ELEVATIONS AND CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO THE PROPOSED POND. SEE SECTION 02323 - DETENTION POND EXCAVATION OF SPECIFICATIONS FOR PROCEDURES TO PLACE COMPOST.
  4. PROPOSED CONDUIT TO BE INSTALLED FOR FUTURE AERATION SYSTEM WIRING. CONDUIT INSTALLATION TO INCLUDE PULL STRING, CAP ON BOTH END LOCATIONS AND A PVC PIPE STUB OUT.
  5. CONTRACTOR SHALL CONSTRUCT SIDEWALK IN A MANNER NOT TO BLOCK NATURAL DRAINAGE TO THE BACKSLOPE SWALE.
  6. CONTRACTOR TO VERIFY LENGTH OF BOX CULVERT. EXPLORATION GREEN DETENTION PONDS PHASE 1C IS CURRENTLY IN CONSTRUCTION AND ANY FIELD CHANGES MAY IMPACT CULVERT LENGTH.
  7. UPPER BANK OF DETENTION POND SHALL NOT ENCRoACH WITHIN 50' OF PROPERTY LINES.
  8. NO PROPOSED WORK WITHIN HARRIS COUNTY FLOOD CONTROL DISTRICT R.O.W.

**LEGEND:**

	EXIST. STORM SEWER LINE
	EXIST. SANITARY SEWER LINE
	PROP. RE-USE IRRIGATION LINE
	EXIST. RE-USE IRRIGATION LINE
	EXIST. FIRE HYDRANT
	EXIST. MANHOLE
	EXIST. STORM SEWER INLET
	EXIST. TREE
	WETLAND AREA
	PROP. CONCRETE TRAIL
	GRASS TRAIL
	RIP RAP
	SLOPE
	DIRECTION OF FLOW
	BACKSLOPE SWALE INTERCEPTOR
	CENTERPOINT GAS LINE
	CENTERPOINT ELECTRIC LINE
	CENTERPOINT ELECTRIC BOX

**INTERIM REVIEW ONLY**  
 Document incomplete; not intended for permit, bidding or construction.  
 Engineer: Kelly D. Shiple  
 P.E. No.: 101273  
 Firm: Lockwood, Andrews & Newnam, Inc.  
 Firm No.: F-2614  
 Date: 6/15/17

**Lockwood, Andrews & Newnam, Inc.**  
 A LEO A DALY COMPANY  
 PLANNING  
 ENGINEERING  
 PROGRAM MANAGEMENT

2925 Briarpark Drive  
 Houston, Texas 77042-3720  
 Tel 713-266-6900 Fax 713-266-7596

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222.

**NOTICE:**  
 For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This Verification does not fulfill your obligation to call 811.

**VERIFICATION OF PRIVATE UTILITY LINES**

Date:  
 CenterPoint Energy/Natural Gas Facilities Verification ONLY.  
 (This signature verifies that you have shown CNP Natural Gas lines correctly - not to be used for conflict verification.) (Gas service lines are not shown.)  
 Signature Valid for six months.

Date:  
 CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.  
 (This signature verifies existing underground facilities - not to be used for conflict verification.)  
 Signature Valid for six months.

Date:  
 Approved for AT&T Texas/SWBT underground conduit facilities only.  
 Signature valid for one year

**CLEAR LAKE CITY WATER AUTHORITY**  
**EXPLORATION GREEN DETENTION FACILITY**  
**PHASE 2**  
**PROPOSED OVERALL LAYOUT**  
 HOUSTON, TX

FILE NO:  
 DRAWING SCALE:  
 HORZ: 1" = 200'  
 VERT:  
 SHEET No: 10 of 29

DATE: 20170417  
 FILE NAME: 20170417 PROPOSED LAYOUT WITH CVD REFERENCE.DWG  
 PROJECT NO: 120-11987-000