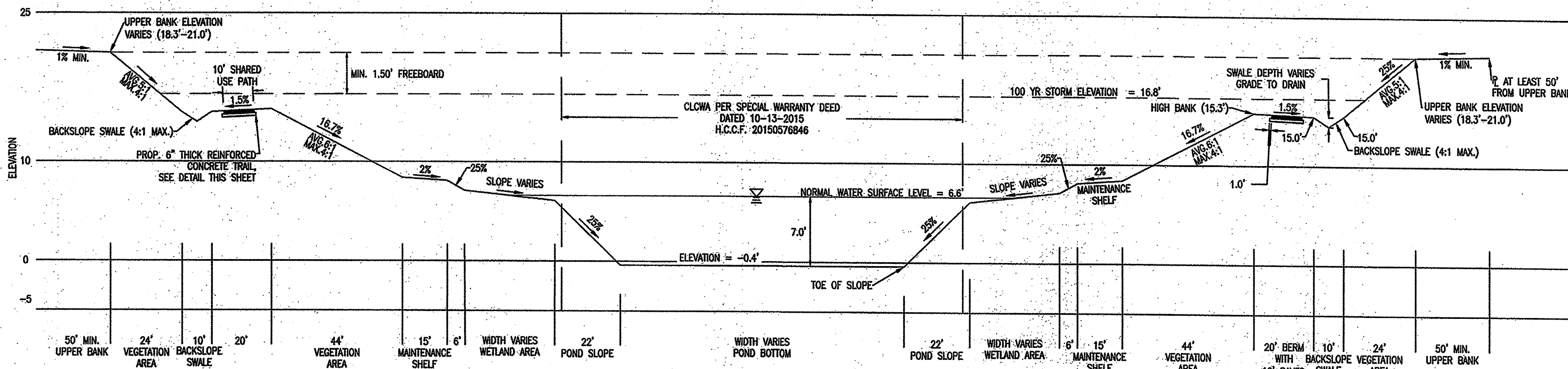
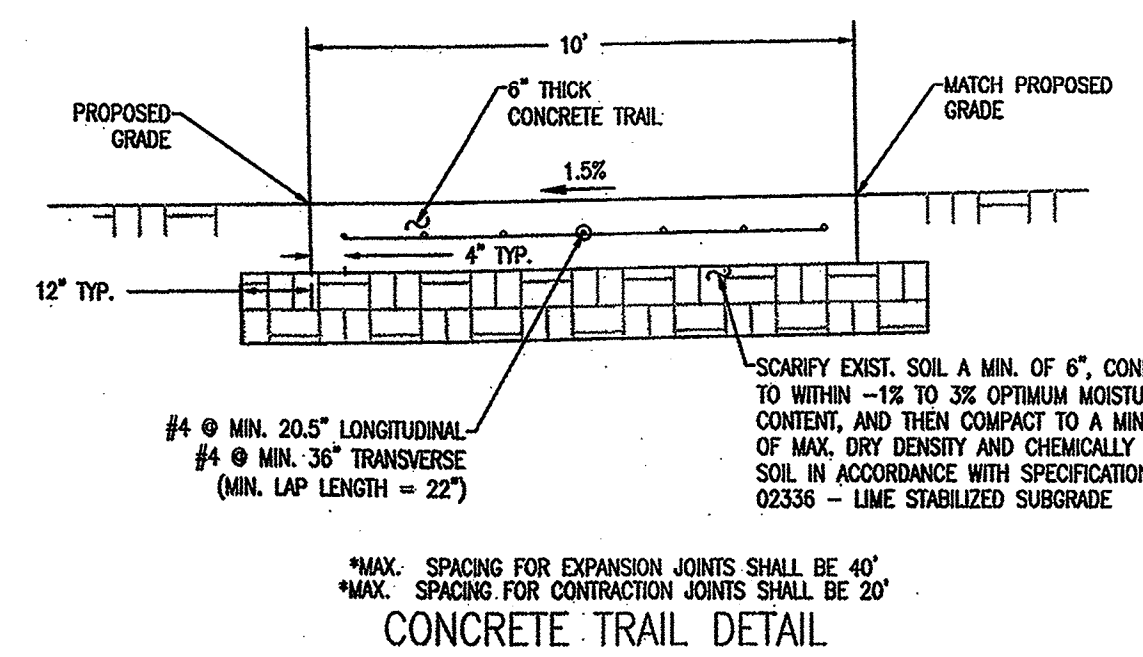
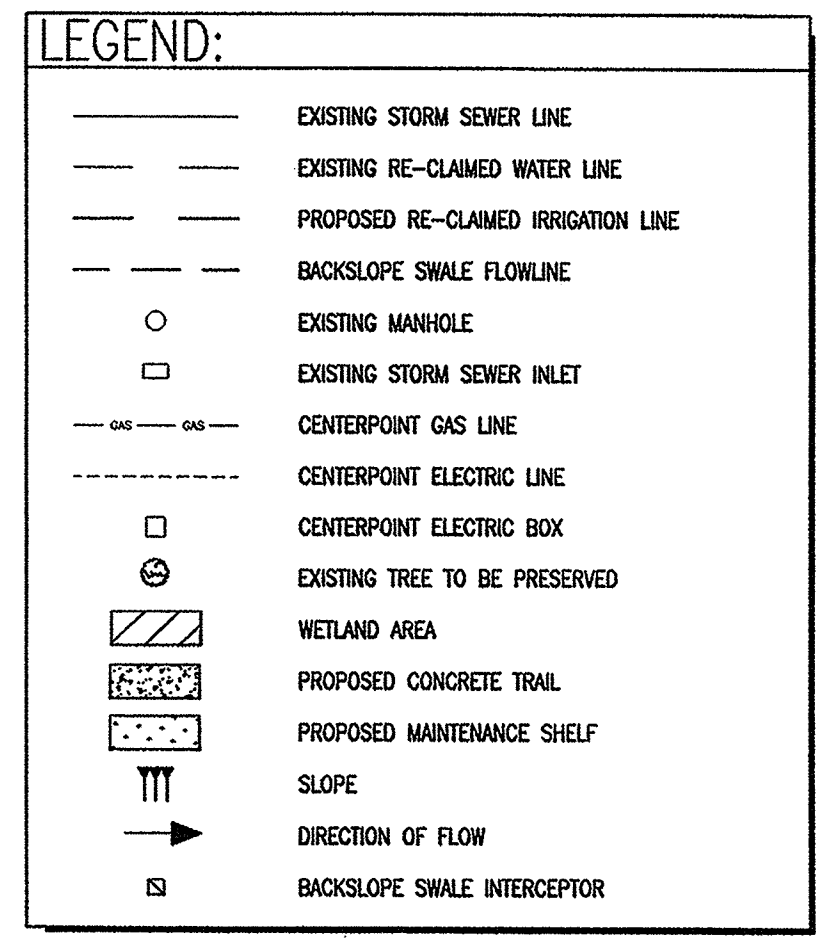


PROPOSED OVERALL LAYOUT - NORTH



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 SHOWN TO REMAIN NEAR THE UPPER BANK OR TREES IN AREAS TO BE GRADED MAY REQUIRE PROTECTION, SEE SHEET 46. ADDITIONAL TREES NEAR THE UPPER BANK MAY NEED TO BE PRESERVED OR DEMOLISHED. FOLLOWING THE CONTRACTOR'S STAKING OF THE UPPER BANK, A SITE VISIT WILL BE CONDUCTED WITH THE OWNER TO DETERMINE WHICH TREES ARE TO BE DEMOLISHED OR PRESERVED. MODIFICATIONS TO THE UPPER BANK MAY BE REQUIRED TO ACCOMMODATE PRESERVED TREES. ADDITIONALLY, CONTRACTOR SHALL REMOVE ALL TALL TREES AND CREPE MYRTLES, INCLUDING ROOTS LOCATED WITHIN THE PROJECT SITE, INCLUDING THOSE OUTSIDE OF THE UPPER BANK. NO STUMP GRINDING WILL BE ALLOWED.
 3. ALL AREAS STRIPPED OF TOP SOIL SHALL BE PREPARED FOR SEED WITH A MIX OF TOPSOIL AND COMPOST AS DESCRIBED IN SECTION 02323 - DETENTION POND EXCAVATION. TOPSOIL AND COMPOST SHALL BE PLACED TO ENSURE NATURAL GROUND RETURNS TO EXISTING ELEVATIONS OR THE ELEVATIONS PROPOSED ON SHEETS 16, 17 AND 18. FINISHED GRADE SHALL NOT BE HIGHER THAN EXISTING ELEVATIONS, EXCEPT WHERE NOTED, AND CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO THE PROPOSED POND.
 4. CONTRACTOR SHALL CONSTRUCT PAVED TRAIL IN A MANNER NOT TO BLOCK DRAINAGE TO THE BACKSLOPE SWALE.
 5. UPPER BANK OF DETENTION POND SHALL NOT ENCROACH WITHIN 50 FEET OF PROPERTY LINES, WHERE FEASIBLE.
 6. IF PROPOSED WORK WITHIN HARRIS COUNTY FLOOD CONTROL DISTRICT R.O.W.
 7. CENTERPOINT GAS AND ELECTRIC UNDERGROUND LINES ARE DRAWN IN APPROXIMATE LOCATIONS BASED ON MAPS PROVIDED BY CENTERPOINT.
 8. CONTRACTOR SHALL COORDINATE RELOCATION OF NECESSARY PUBLIC AND PRIVATE UTILITIES WITH CORRESPONDING ENTITY.
 9. CONTRACTOR SHALL CONSTRUCT SIDEWALK TO ADA STANDARDS. SIDEWALK SHALL NOT EXCEED A 2% CROSS SLOPE, OR A 5% RUNNING SLOPE.
 10. A HOSE BIB ASSEMBLY, LOCKABLE VALVE AND BOX SHALL BE INSTALLED EVERY 100 LINEAR FEET ALONG THE IRRIGATION LINE.
 11. WHERE COHESIONLESS SOILS ARE EXPOSED ALONG THE SIDE SLOPES AND BOTTOM OF PROPOSED POND, SOIL SHOULD BE OVER EXCAVATED AND REPLACED WITH COHESIVE FILL SOILS SO THAT A COMPACTED CLAY LINER IS CONSTRUCTED. THE CLAY LINER WILL BE CONTAINED WITHIN 4 FEET OUTSIDE THE NORMAL WATER SURFACE ELEVATION. THE CLAY LINER SHALL BE CONSTRUCTED WITH A THICKNESS OF 2 FEET OR MORE, AND THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY NON-COHESIVE SOILS FOUND WITHIN THE BOUNDARY, AS DESCRIBED IN THE GEOTECHNICAL REPORT PREPARED BY NINYO AND MOORE DATED FEBRUARY 1, 2019.



PAVING QUANTITIES PER COH STRUCTURAL PLAN REVIEW

CONCRETE PAVING IN R.O.W.	THERE IS 554 SQUARE FEET OF NEW PAVING WITHIN R.O.W. THE SITE HAS FOUR EXISTING 10-FOOT DRIVEWAY APPROACHES, THE TWO EXISTING DRIVEWAYS ON THE NORTH SIDE OF THE PROPERTY, AS SHOWN ON SHEET 20, WILL BE WIDENED TO 15-FEET. THE TWO EXISTING 10-FOOT DRIVEWAYS ON THE SOUTH SIDE OF THE PROPERTY, AS SHOWN ON SHEET 20, WILL BE REPAVED WITH NO MODIFICATIONS TO THE WIDTH OF THE DRIVEWAYS. ALL DRIVEWAYS SHALL BE 6-INCH THICK.
CURBING/CURB IN R.O.W. (LF)	THERE IS NO PROPOSED CURBING/CURB AND GUTTER WITHIN THE R.O.W.
SIDEWALK IN R.O.W. (LF)	THERE IS NO PROPOSED SIDEWALKS WITHIN THE R.O.W. THERE IS 89 LINEAR FEET OF EXISTING 4-FOOT SIDEWALK WITHIN THE R.O.W. THAT WILL BE REPLACED AND WIDENED TO 5-FEET.
CONCRETE PAVING AND WALKWAY ON SITE (SF)	40,203 SQUARE FEET OF 6-INCH THICK CONCRETE SIDEWALK PAVING IS PROPOSED WITHIN THE PROPERTY LINE.

Revision 2 Only

Lockwood, Andrews & Newnam, Inc.
Texas Registered Engineering Firm
F-2614

LAN 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 line can be marked. This Verification does not fulfill your obligation to call 811.

VERIFICATION OF PRIVATE UTILITY LINES

Handwritten signature Date: 8.12.19
CenterPoint Energy/Natural Gas Facilities Verification ONLY.
(This signature verifies that you have shown CHP Natural Gas lines correctly - not to be used for conflict verification.) (Gas service lines are not shown).
Signature Valid for six months.

Handwritten signature Date: 8.12.19
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.

Handwritten signature Date: 8/12/19
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 4
PROPOSED OVERALL LAYOUT
HOUSTON, TX

FILE NO: _____

DRAWING SCALE: _____

HORIZ: 1" = 200'

VERT: _____

SHEET No: 13 OF 47

11/18/19 COH PERMITTING SECOND REVIEW
 No. 1 2816
 ROW/SH/ST
 FILE NAME: C:\13-PROPOSED OVERALL LAYOUT.DWG
 PROJECT NO. 120-12081-000