PROJECT: NEW YARD
SUBJECT: OPERATIONS BUILDING
ITEM: Materials, Notes

GAGNON ENGINEERING INC.
Structural Consultants

DATE: 07/11/14
BY: RG
SHEET: 9 OF 9
PROJECT NO. 402

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/28/14

MATERIALS (OR PRE–APPROVED EQUALS)

SUBGRADE GRAVEL AND BACKFILL: REFER TO S.W.COLE ENGINEERING GEOTECHNICAL REPORT.

CONCRETE: 4000 PSI COMPRESSIVE STRENGTH/4" MAX SLUMP FOOTINGS, GRADE–BEAMS, WALLS, SLABS.

FOUR INCH MAXIMUM SLUMP, 5% TO 7% ENTRAINED AIR; TAKE 3 TEST CYLINDERS FROM THE FIRST, LAST AND EVERY $\frac{1}{3}$rd INTERMEDIATE TRUCK LOADS. BREAK ONE CYLINDER AT 7 DAYS, ONE AT 28 DAYS, HOLD ONE IN RESERVE

ENGAGE THE SERVICES OF A CERTIFIED TESTNG AGENCY: SAMPLE & TEST DESIGNATED TRUCKLOADS (ASTM C172); SLUMP (ASTM C143), AIR (ASTM 231) MAKE CYLINDERS (ASTM C31), BREAK CYLINDERS (ASTM C39) DOCUMENT RESULTS AND SUBMIT CERTIFIED REPORT TO ENGINEER.

REINFORCING BARS: ASTM A615 GRADE 60 DEFORMED BARS; lap–splice bars 40 diameters UNO. Concrete Cover as shown in details.

MEMBRANE CURING COMPOUND: ASTM C309

RIGID INSULATION: EXTRUDED POLYSTYRENE 'DOW (brand) STYROFOAM

GENERAL NOTES

WORK THESE PLANS WITH PROJECT CIVIL/SITE PLANS & ESSEX BUILDING PLANS. REFER TO REFERENCED PLANS FOR LAYOUT, DIMENSIONS, DETAILS NOT SHOWN HEREIN.

WORK THESE PLANS WITH ESSEX BUILDING PLANS ENTITLED "CANAL LANDING COMMERCIAL STREET PORTLAND MAINE" ESSEX PROJ. No. S–14680

REPORT DISCREPANCIES WITHIN THESE PLANS, BETWEEN THESE PLANS & REFERENCED PLANS OR EXISTING CONDITIONS. DO NOT PROCEED WITH DEPENDENT WORK UNTIL DISCREPANCIES HAVE BEE RESOLVED BY ENGINEER.

PROOF–COMPACT ALL EXISTING SUBGRADES (BOTTOM/EXCAVATIONS)

CONCRETE WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF ACI 301–05 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" (CONSULT ENGINEER)

SUBGRADE PREP. & EARTHWORK SHALL COMPLY WITH GEOTECHNICAL RECOMMENDATIONS, REPORT BY S.W.COLE ENGINEERING (REV DATED_____)

REFER TO FST ENGINEERS PLAN "CANAL LANDING AMENDED GRADING AND DRAINAGE PLAN PHASE 1B", REV DATED SEP 25 '13 FOR BUILDING LOCATION AND LAYOUT, SITE GRADING....

SPECIAL (ENGINEER) INSPECTIONS, INCLUDING REINFORCING PLACEMENTS, CONCRETE PLACEMENTS, CONCRETE TESTING, DOCMENTATION...SHALL COMPLY WITH CHAPTER 17 OF IBC (INTERNATIONAL BUILDING CODE) 2012. CONSULT ENGINEER FOR REQUIRED CONTRACTOR NOTIFICATIONS

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STATE OF MAINE
ROGER R. GAGNON
No. 3409
LICENSED
PROFESSIONAL ENGINEER