CORPS OF ENGINEERS

U. S. ARMY

REVISION	DATE	BY

OCEAN SURVEYS, INC.
91 SHEFFIELD ST.
OLD SAYBROOK, CT. 06475

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

DR. BY	TR. BY	CK. BY

SUBMITTED:
PROJECT ENGINEER
REVIEWED:
CHIEF, NAV. & B. E. SECTION
APPROVAL RECOMMENDED:
CHIEF, TECH. ENG. BRANCH

US Army Corps of Engineers

TOP OF ACOUSTIC BASEMENT
PHASE II SITE B (STA. 96+000–STA. 120+000)
DELAWARE RIVER MAIN CHANNEL
PHILADELPHIA TO THE SEA PROJECT
PHILADELPHIA, PENNSYLVANIA

APPROVED DATE
CHIEF, ENGINEERING DIVISION

SCALE 1"=400' | SPEC. NO. DACW
DRAWING NUMBER 94ES131B.1

SHEET 2 OF 4

OSI FILE NO. 94ES131

CORPS OF ENGINEERS U. S. ARMY

REVISION	DATE		BY

OCEAN SURVEYS, INC.
91 SHEFFIELD ST.
OLD SAYBROOK, CT. 06475

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

DR. BY | TR. BY | CK. BY

SUBMITTED: PROJECT ENGINEER

REVIEWED: CHIEF, NAV. & B. E. SECTION

APPROVAL RECOMMENDED: CHIEF, TECH. ENG. BRANCH

US Army Corps of Engineers

TOP OF ACOUSTIC BASEMENT
PHASE II SITE A (STA. 7+500–STA. 16+000)
DELAWARE RIVER MAIN CHANNEL
PHILADELPHIA TO THE SEA PROJECT
PHILADELPHIA, PENNSYLVANIA

APPROVED DATE

CHIEF, ENGINEERING DIVISION

SCALE 1"=400' SPEC. NO. DACW
DRAWING NUMBER 94ES131B.1
SHEET 1 OF 4

OSI FILE NO. 94ES131

CORPS OF ENGINEERS

U. S. ARMY

NOTES

1. GRID SYSTEM IS IN FEET AND IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 83).
2. DEPTHS TO TOP-OF-ACOUSTIC BASEMENT ARE IN FEET AND ARE REFERENCED TO ACOE MLW BASED ON TIDE DATA ACQUIRED AT ACOE VERTICAL CONTROL SITES "SCOTT TISSUE PLANT" AND "QUARANTINE DOCK".
3. TOP-OF-ACOUSTIC BASEMENT IS BASED ON THE INTERPRETATION OF SUBBOTTOM PROFILER RECORDS, GRAB SAMPLES, AND ACOE BORING AND TEST PIT DATA. ANALYSIS OF THESE DATA INDICATE THAT THIS SURFACE REPRESENTS THE MINIMUM DEPTH OF ROCK. FOR FURTHER DISCUSSION OF GEOLOGICAL INTERPRETATION REFER TO OSI REPORT NOS. 94ES131B, AND 94ES131C.
4. AREAS WHERE THE TOP-OF-ACOUSTIC BASEMENT EXISTS ABOVE 50 FEET ACOE MLW HAVE BEEN CONTOURED AT A ONE FOOT INTERVAL. SHADING INDICATES GASEOUS SEDIMENTS ABUNDANT IN AREA.
5. SHORELINE, CHANNEL PRISM LINES, AND RIVER STATIONING ARE APPROXIMATE AND WERE PLOTTED FROM ACOE DRAWINGS (FILE NOS. 55171-55183) AND INFORMATION SUBMITTED TO OSI FROM THE ACOE PHILADELPHIA DISTRICT.
6. THE INFORMATION PRESENT ON THIS CHART REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY OCEAN SURVEYS, INC. DURING THE PERIODS OF 21-28 OCTOBER 1994, 13-20 FEBRUARY AND 10-11 APRIL 1995 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THOSE TIMES.

REVISION	DATE	BY

OCEAN SURVEYS, INC.
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U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

DR. BY | TR. BY | CK. BY

SUBMITTED: PROJECT ENGINEER

REVIEWED: CHIEF, NAV. & B. E. SECTION

APPROVAL RECOMMENDED: CHIEF, TECH. ENG. BRANCH

US Army Corps of Engineers

TOP OF ACOUSTIC BASEMENT
ABOVE 50' ACOE MLW
PHASE II SITE C (STA.131 +000–STA.144+000)
DELAWARE RIVER MAIN CHANNEL
PHILADELPHIA TO THE SEA PROJECT
PHILADELPHIA, PENNSYLVANIA

APPROVED DATE
CHIEF, ENGINEERING DIVISION

SCALE 1"=400' | SPEC. NO. DACW
DRAWING NUMBER 94ES131B.2

OVERLAY
SHEET 4 OF 4

OSI FILE NO. 94ES131

CORPS OF ENGINEERS

U. S. ARMY

NOTES

1. GRID SYSTEM IS IN FEET AND IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD 83).
2. DEPTHS TO TOP-OF-ACOUSTIC BASEMENT ARE IN FEET AND ARE REFERENCED TO ACOE MLW BASED ON TIDE DATA ACQUIRED AT ACOE VERTICAL CONTROL SITES "SCOTT TISSUE PLANT" AND "QUARANTINE DOCK".
3. TOP-OF-ACOUSTIC BASEMENT IS BASED ON THE INTERPRETATION OF SUBBOTTOM PROFILER RECORDS, GRAB SAMPLES, AND ACOE BORING AND TEST PIT DATA. ANALYSIS OF THESE DATA INDICATE THAT THIS SURFACE REPRESENTS THE MINIMUM DEPTH OF ROCK. FOR FURTHER DISCUSSION OF GEOLOGICAL INTERPRETATION REFER TO OSI REPORTS NOS. 94ES131B, AND 94ES131C.
4. AREAS WHERE THE TOP-OF-ACOUSTIC BASEMENT EXISTS ABOVE 50 FEET ACOE MLW HAVE BEEN CONTOURED AT A ONE FOOT INTERVAL. SHADING INDICATES GASEOUS SEDIMENTS ABUNDANT IN AREA.
5. SHORELINE, CHANNEL PRISM LINES, AND RIVER STATIONING ARE APPROXIMATE AND WERE PLOTTED FROM ACOE DRAWINGS (FILE NOS. 55171-55183) AND INFORMATION SUBMITTED TO OSI FROM THE ACOE PHILADELPHIA DISTRICT.
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LEGEND

GAS AREA

SCALE: 1"=400'

400 0 400 800 1200

CHECK GRAPHIC SCALE BEFORE USING

REVISION	DATE	BY

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U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
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PROJECT ENGINEER
REVIEWED:
CHIEF, NAV. & B. E. SECTION
APPROVAL RECOMMENDED:
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US Army Corps of Engineers

TOP OF ACOUSTIC BASEMENT
ABOVE 50' ACOE MLW
PHASE II SITE B (STA. 96+000-STA. 120+000)
DELAWARE RIVER MAIN CHANNEL
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OVERLAY
SHEET 3 OF 4

OSI FILE NO. 94ES131