ATTACHMENT 5 Well Information consisting of:

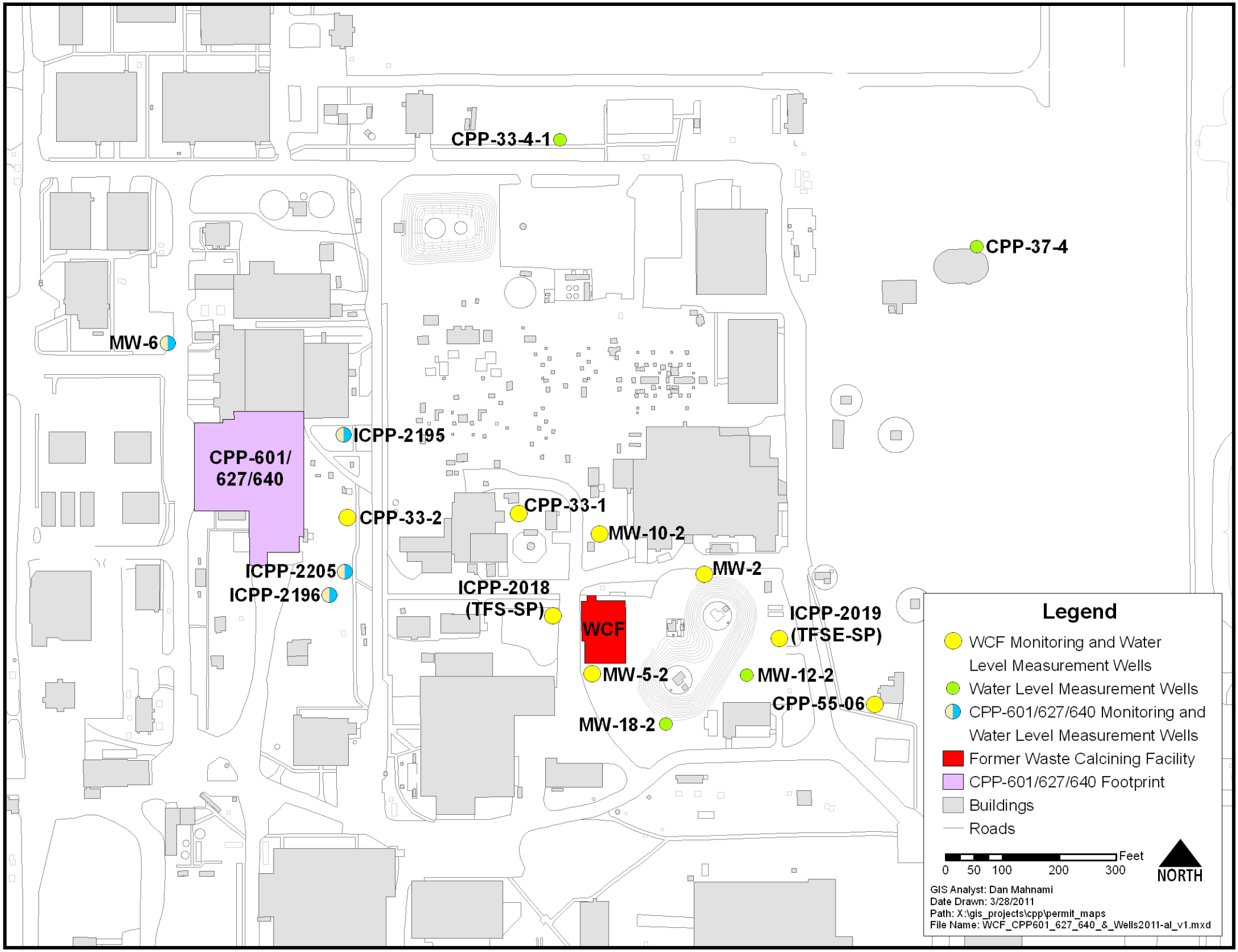
- INTEC Monitoring Wells - Map
- INTEC Monitoring Wells - Construction Diagrams

HWMA/RCRA INTEC POST-CLOSURE PERMIT
FOR THE
IDAHO NATIONAL LABORATORY

Volume 21
Waste Calcining Facility and
CPP-601/627/640

Attachment 5
INTEC Monitoring Wells - Map

Revision Date: August 25, 2011


CPP-33-4-1
CPP-37-4
MW-6
ICPP-2195
CPP-601/
627/640
CPP-33-2
CPP-33-1
MW-10-2
ICPP-2205
ICPP-2196
ICPP-2018
(TFS-SP)
MW-2
WCF
ICPP-2019
(TFSE-SP)
MW-5-2
MW-12-2
CPP-55-06
MW-18-2
Legend
WCF Monitoring and Water Level Measurement Wells
Water Level Measurement Wells
CPP-601/627/640 Monitoring and Water Level Measurement Wells
Former Waste Calcining Facility
CPP-601/627/640 Footprint
Buildings
Roads
Feet
0 50 100 200 300
NORTH
GIS Analyst: Dan Mahnami
Date Drawn: 3/28/2011
Path: X:\gis_projects\cpp\permit_maps
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HWMA/RCRA INTEC POST-CLOSURE PERMIT
FOR THE
IDAHO NATIONAL LABORATORY

Volume 21
Waste Calcining Facility and
CPP-601/627/640

Attachment 5
INTEC Monitoring Wells - Construction Diagrams

Revision Date: August 25, 2011

Land Surface: 4914.33(29)BC
4917.82(88)BC
(29)MP
(88)MP

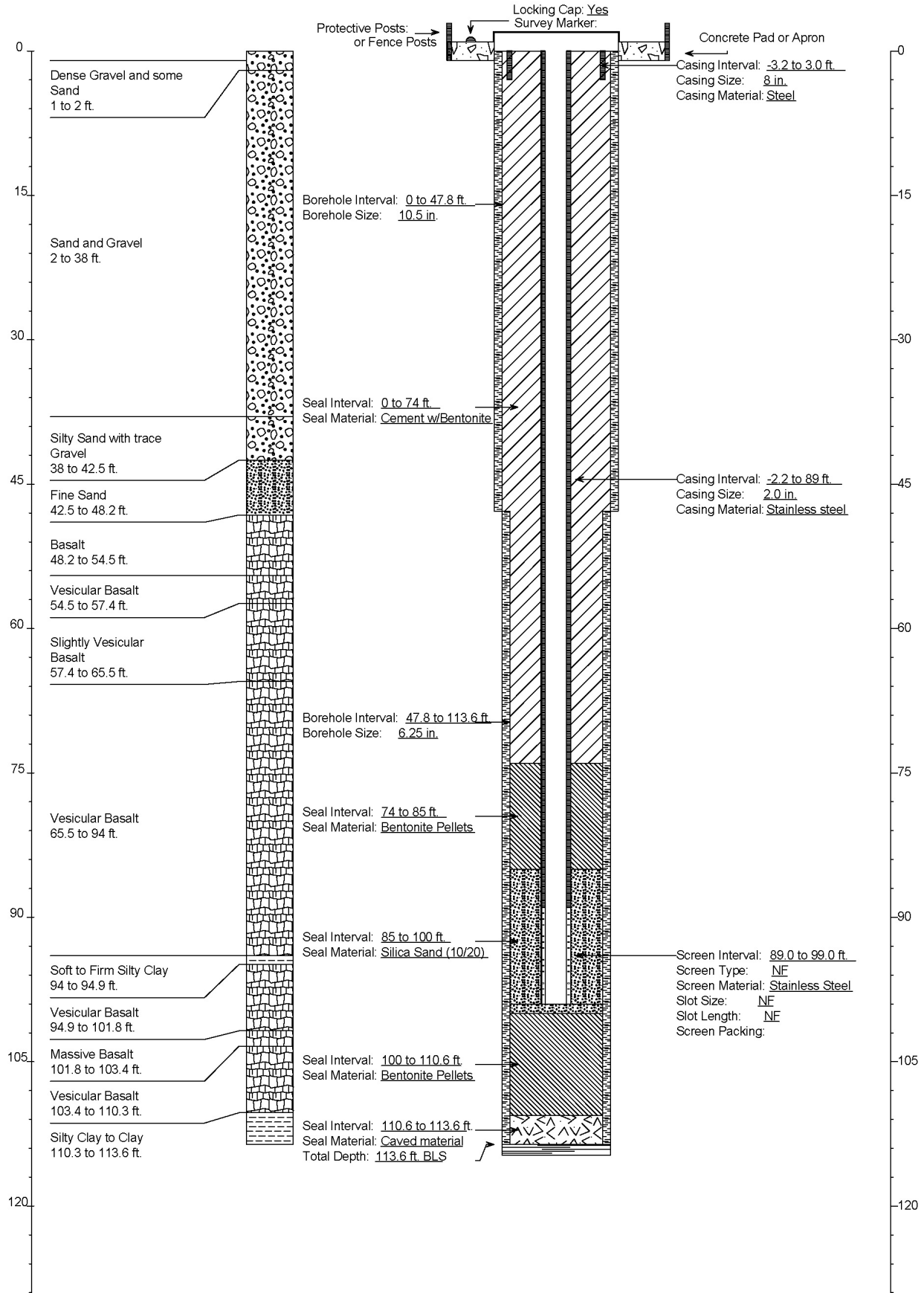
WellName: CPP-33-1

08/24/1993

Facility: ICPP
Well Type: Observation Well
Well Status: Active
Year Drilled: 1991
Total Depth: 113.6
Completion Depth: 100

Driller: Hawley Bros.
Geologist: Brandenberger,Norton
Drilling Method: HSA and Core
Drilling Fluid: Air

Water Level: NF
Water Level Date: NF
Water Level Access: NF



Land Surface: 4913.29(29)BC
4916.78(88)BC
(29)MP
(88)MP

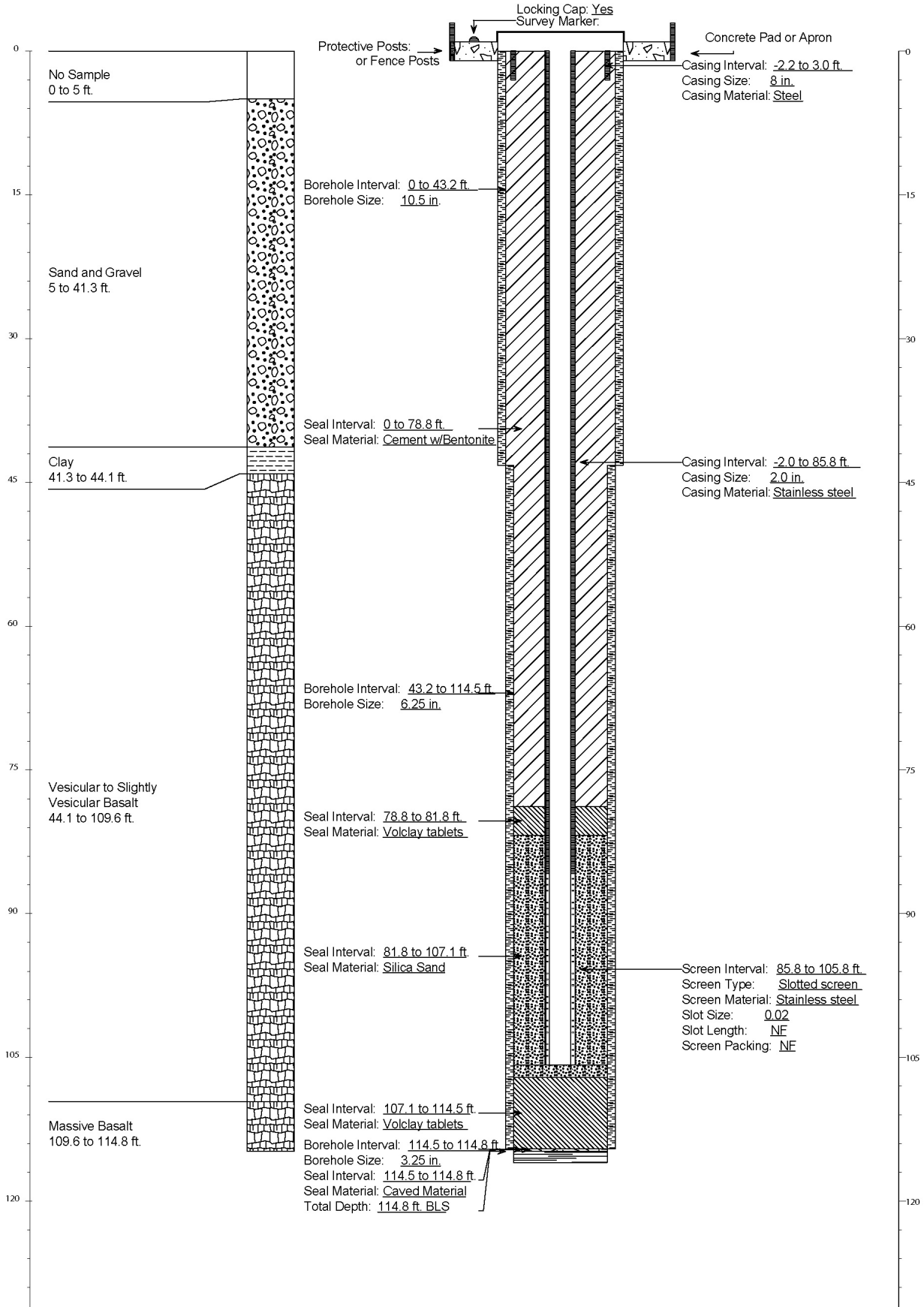
WellName: CPP-33-2

08/19/1993

Facility: ICPP
Well Type: Observation Well
Well Status: Active
Year Drilled: 1990
Total Depth: 114.8
Completion Depth: 107.1

Driller: Hawley Bros.
Geologist: B Smith
Drilling Method: HSA and Core
Drilling Fluid: Air

Water Level: NF
Water Level Date: NF
Water Level Access: NF



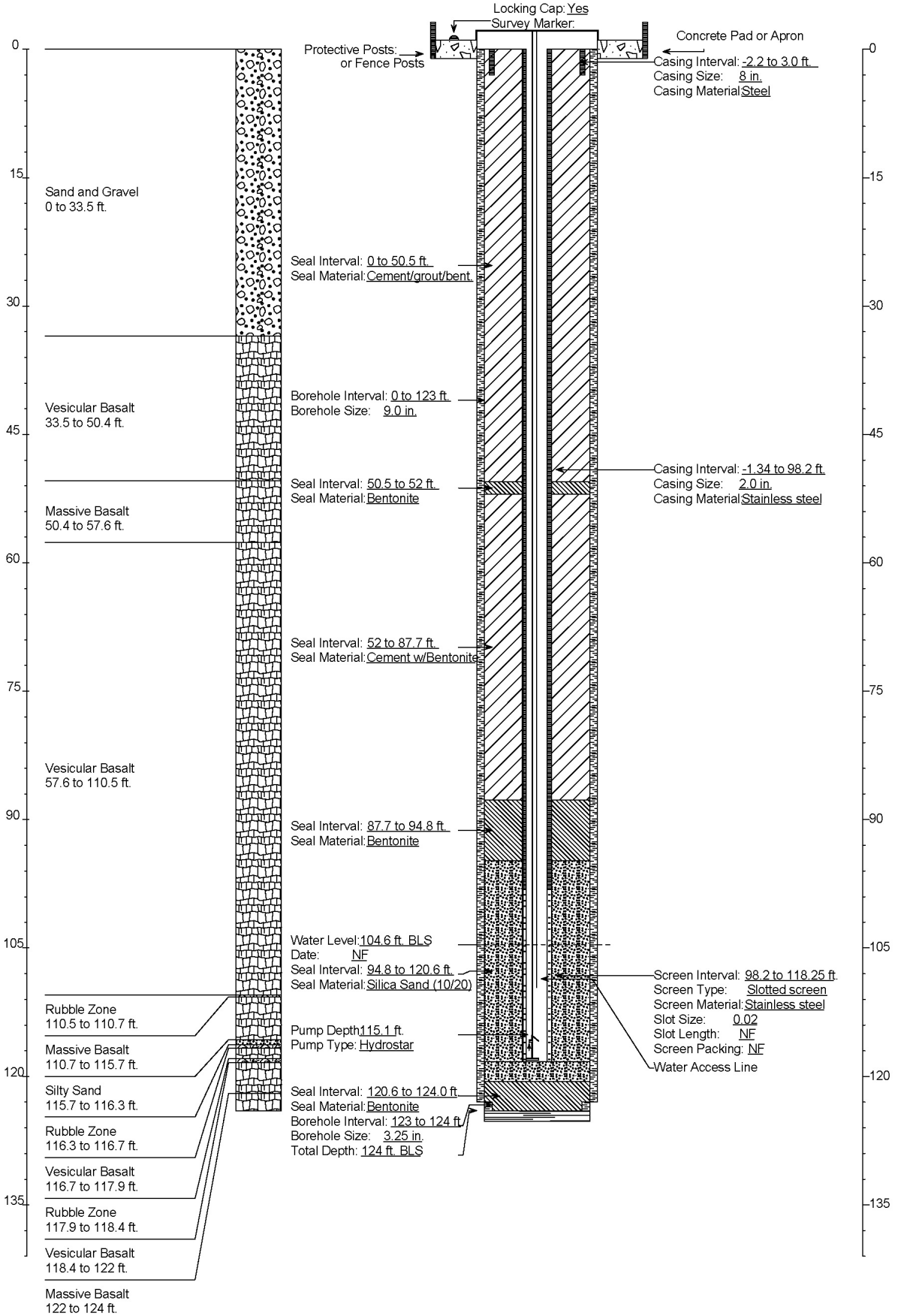
WellName: CPP-33-4-1

08/24/1993

Facility: ICPP
Well Type: Observation Well
Well Status: Active
Year Drilled: 1990
Total Depth: 124
Completion Depth: 120.6

Driller: Hawley Bros.
Geologist: Smith, Norton
Drilling Method: Hollow Stem Augers
Drilling Fluid: NF

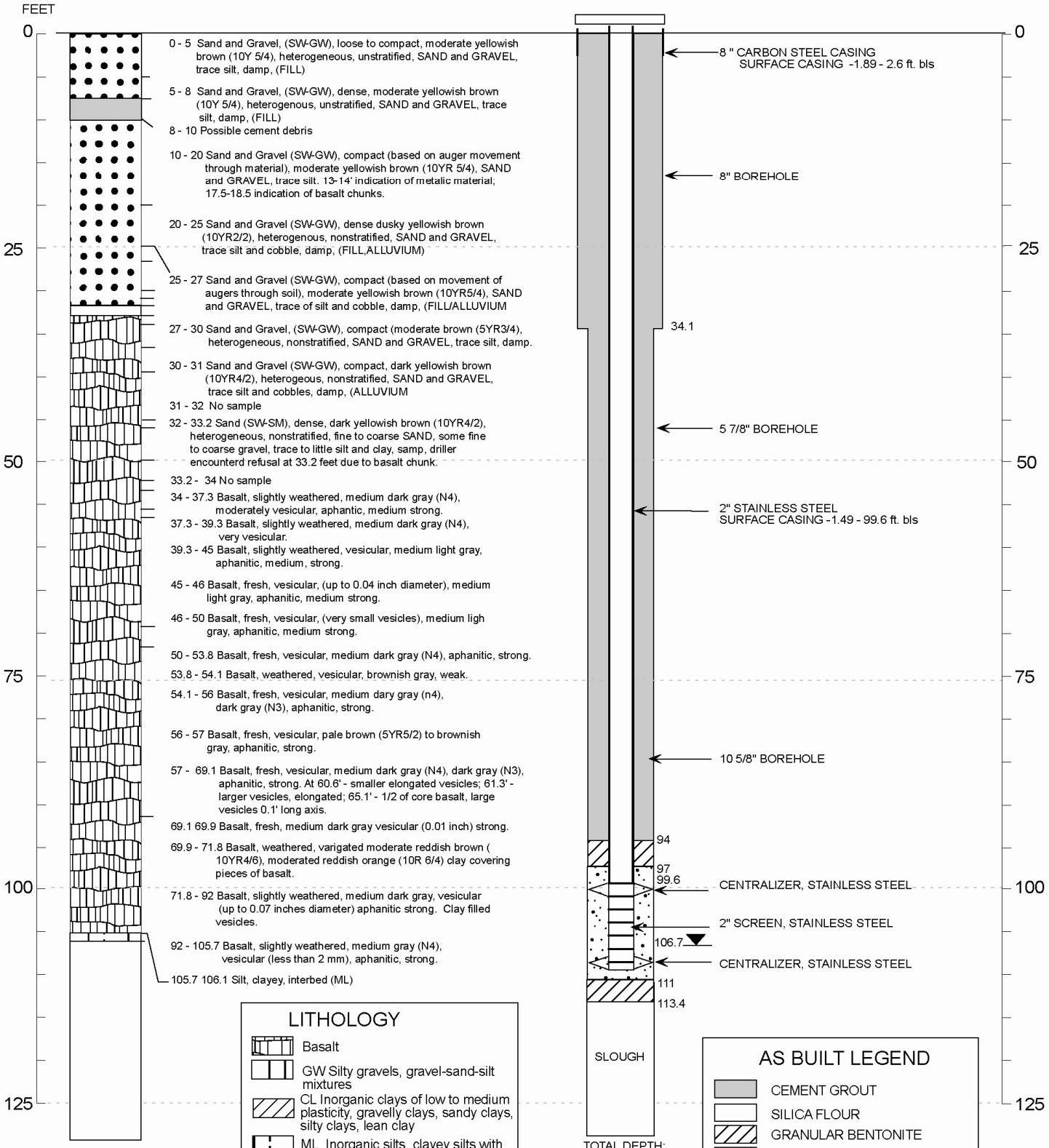
Water Level: 104.6
Water Level Date: NF
Water Level Access: Line



WELL NAME: CPP-37-4
Facility: INTEC
Well Type: Observation
Well Status N/A
Year Drilled: 1991
Total Depth 129.3 ft.
Start Date August, 1991
End Date August, 1991
Completion Depth: 110 ft.

Driller: J. Wozniewicz; K.E. Pilgrim
Geologist: D. Hawley
Drill Method: Hollow Stem Auger/ HxB core/Tri core
Drill Fluid: Air
Land Surface:

Todays Date: 4/28/2004
Water Level: 106.7 ft
Water Level/ Date: 8/28/1991
Water Level Access:



Land Surface: 4911.61(29)BC
4915.10(88)BC
(29)MP
(88)MP

Modification Date: 12/17/2008

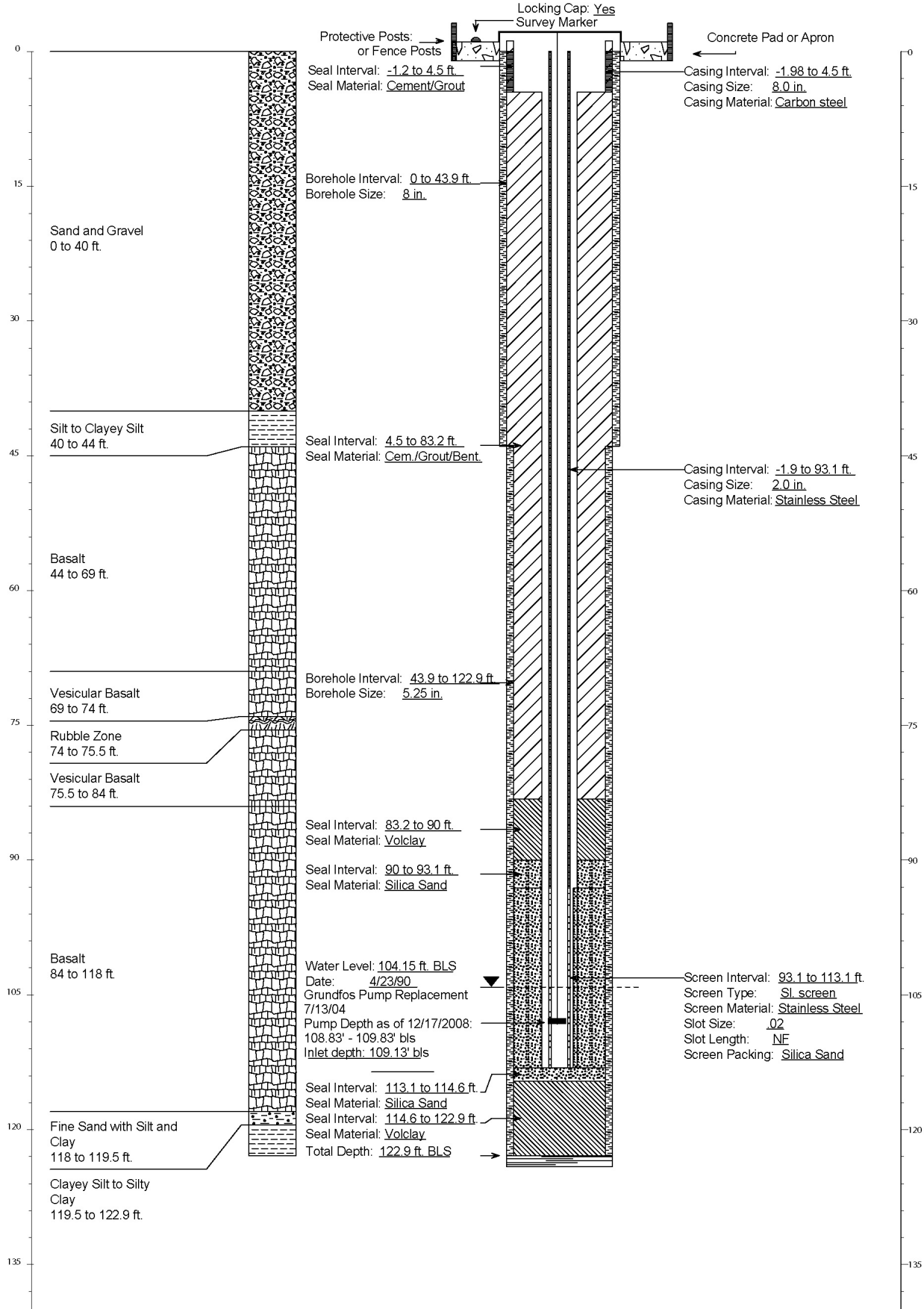
WellName: CPP-55-06

Facility: ICPP
Well Type: Observation Well
Well Status: Active
Year Drilled: 1990
Total Depth: 122.9
Completion Depth: 114.6

09/11/1993

Driller: Hawley
Geologist: SJB
Drilling Method: Core
Drilling Fluid: NF

Water Level: 104.15
Water Level Date: 4/23/90
Water Level Access: NF



Modification Date: 2/12/2008

WELL NAME: **ICPP-2018**

Facility: INTEC

Well Type: Monitoring

Well Status: Active

Year Drilled: 2005

Total Depth: 119'

Drilling Start Date: 2/10/05 End Date: 2/14/05

Completion Start Date: 2/17/05 End Date: 2/18/05

Completion Depth: 117.9'

Driller: Dynatec/Rosario, Jensen

Geologist: Manchester, Oberhansley, Myers

Drill Method: Vacuum Rotary/ Air Rotary

Drill Fluid: Air/Water

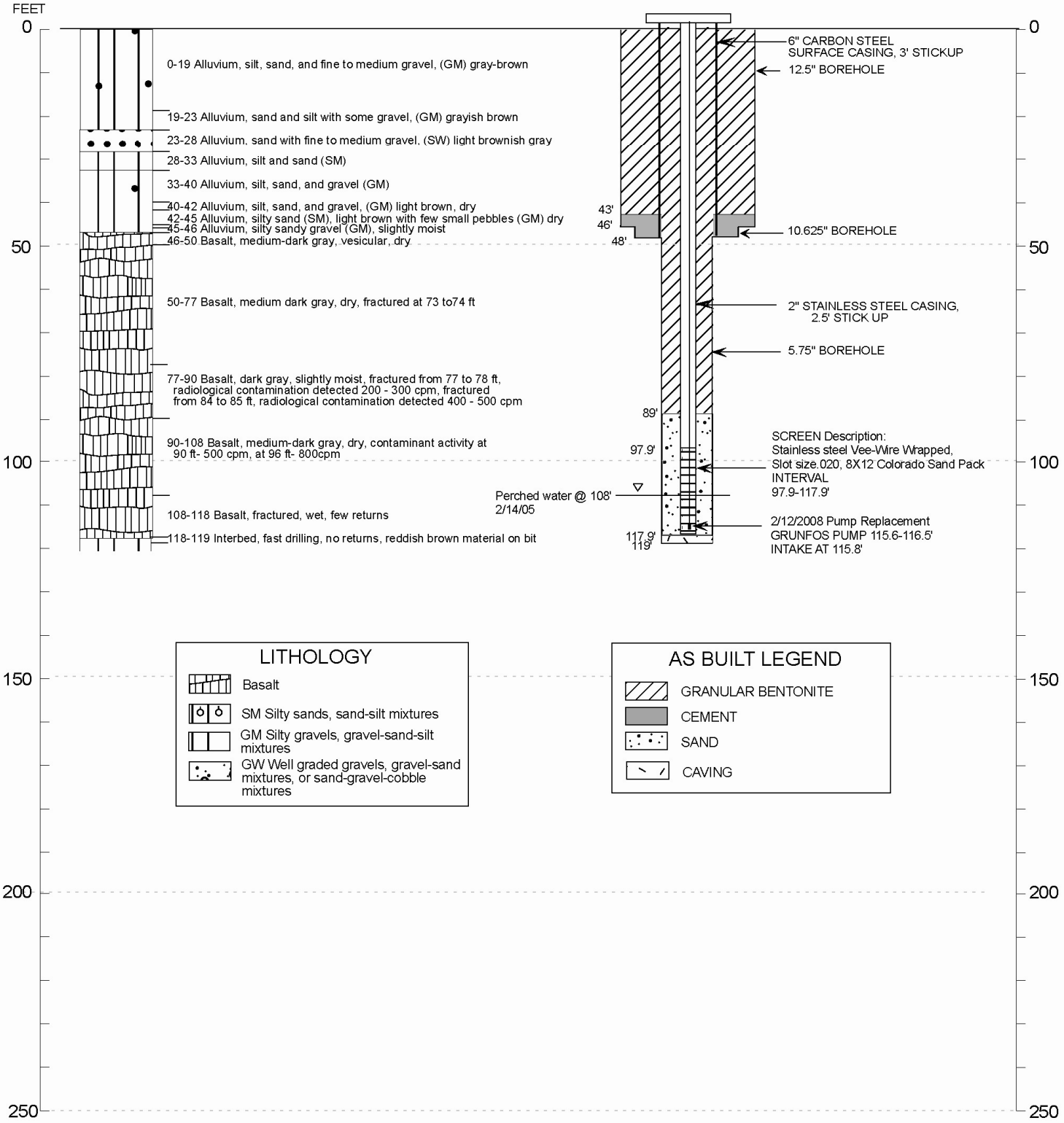
Elevation: 4913.26 (29 BC) 4915.85 (29 MP) 4916.75 (88 BC) 4919.34 (88MP)

Todays Date: 5/18/05

Water Level: 108' BLS

Water Level Date: 2/14/05

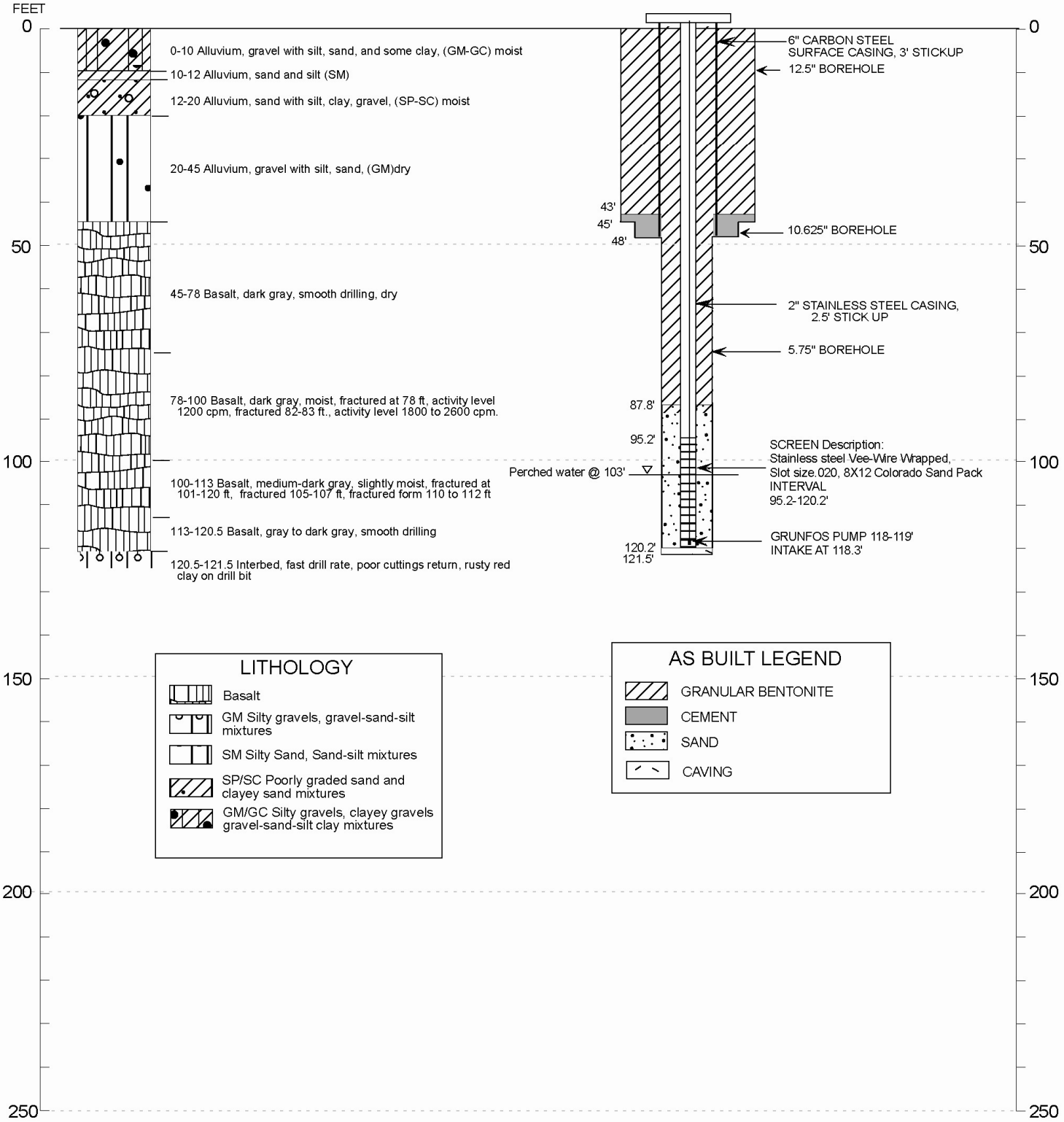
Water Level Access: 2" well casing



WELL NAME: **ICPP-2019**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2005
Total Depth: 121.5'
Drilling Start Date: 2/4/05 End Date: 2/9/05
Completion Start Date: 2/19/05 End Date: 2/19/05
Completion Depth: 120.2'

Driller: Dynatec/Rosario, Jensen
Geologist: Manchester, Oberhansley, Myers
Drill Method: Vacuum Rotary/ Air Rotary
Drill Fluid: Air/Water
Elevation: 4912.06 (29 BC), 4914.65 (29 MP), 4915.55 (88 BC), 4918.14 (88MP)

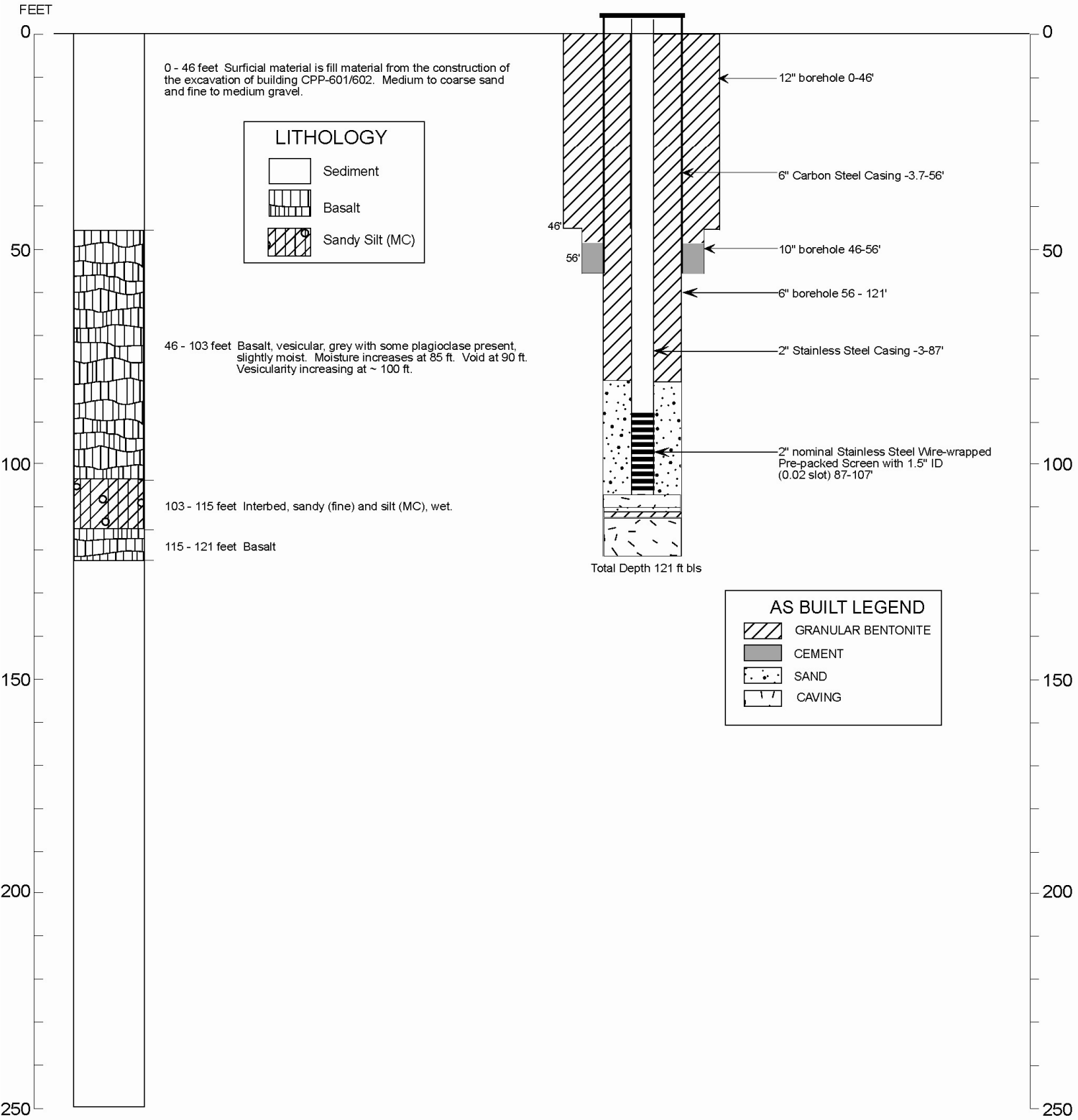
Todays Date: 5/23/05
Water Level: 103' BLS
Water Level Date: 2/9/05
Water Level Access: 2" well casing



WELL NAME: **ICPP-2195**
WELL ID: **2195**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2010
Total Depth: 121 ft bls
Drilling Start Date 2/16/2010 Drilling End Date 2/25/2010
Completion Depth: 107 ft bls

Driller: Major Drilling
Geologist: W. Jolley
Drill Method: Conventional Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4914.23 (29) B.C. (83) M.P. 4917.72 (88) B.C.

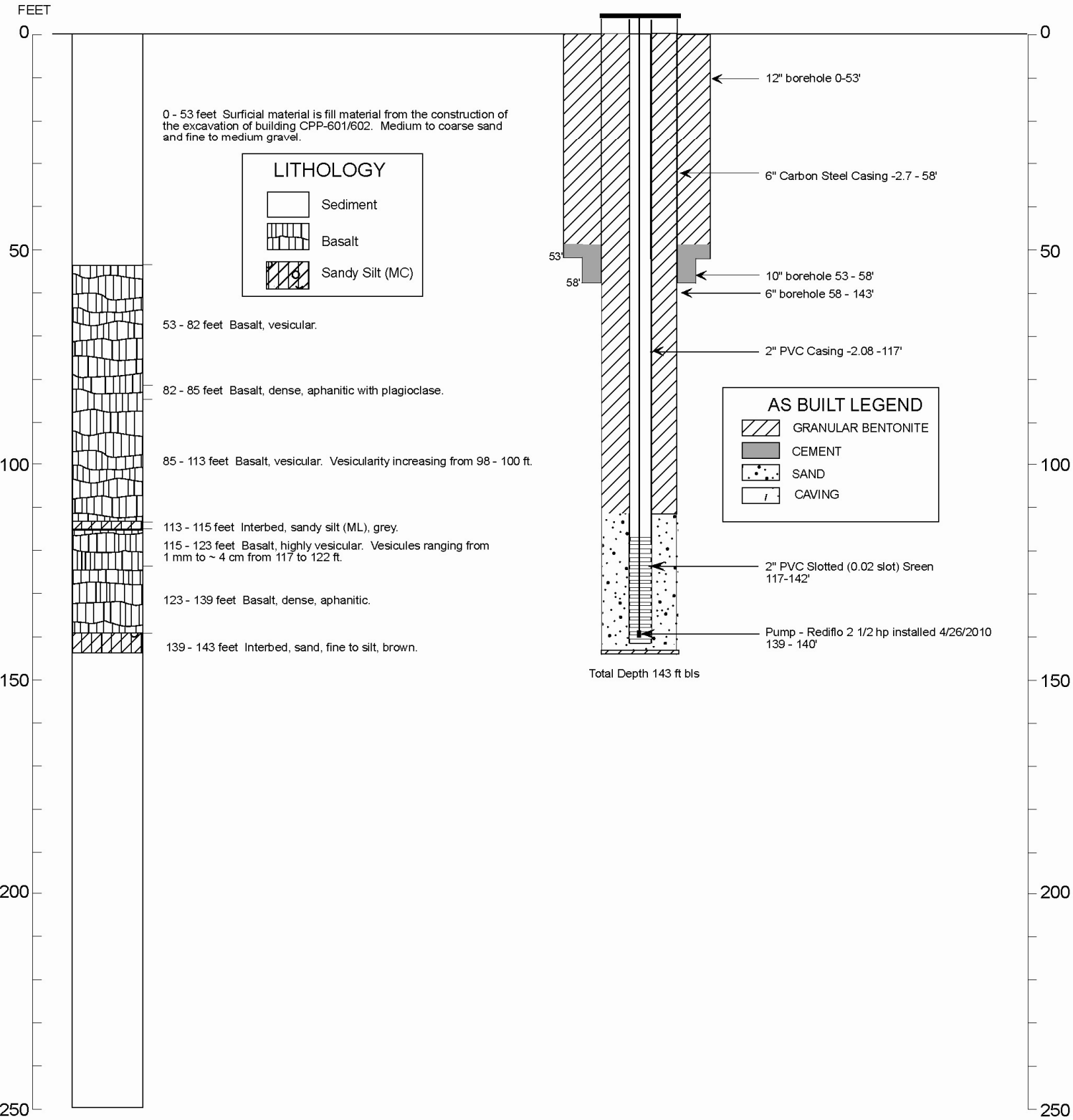
Date Drawn: 5/6/2010
Water Level: 102.0 ft bls
Water Level/ Date: 2/25/2010
Water Level Access: Hole



WELL NAME: **ICPP-2196**
WELL ID: **2196**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2010
Total Depth: 143 ft bls
Drilling Start Date 3/01/2010 Drilling End Date 3/22/2010
Completion Depth: 142 ft bls

Driller: Major Drilling
Geologist: W. Jolley
Drill Method: Conventional Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4914.40 (29) B.C. (83) M.P. 4917.89 (88) B.C.

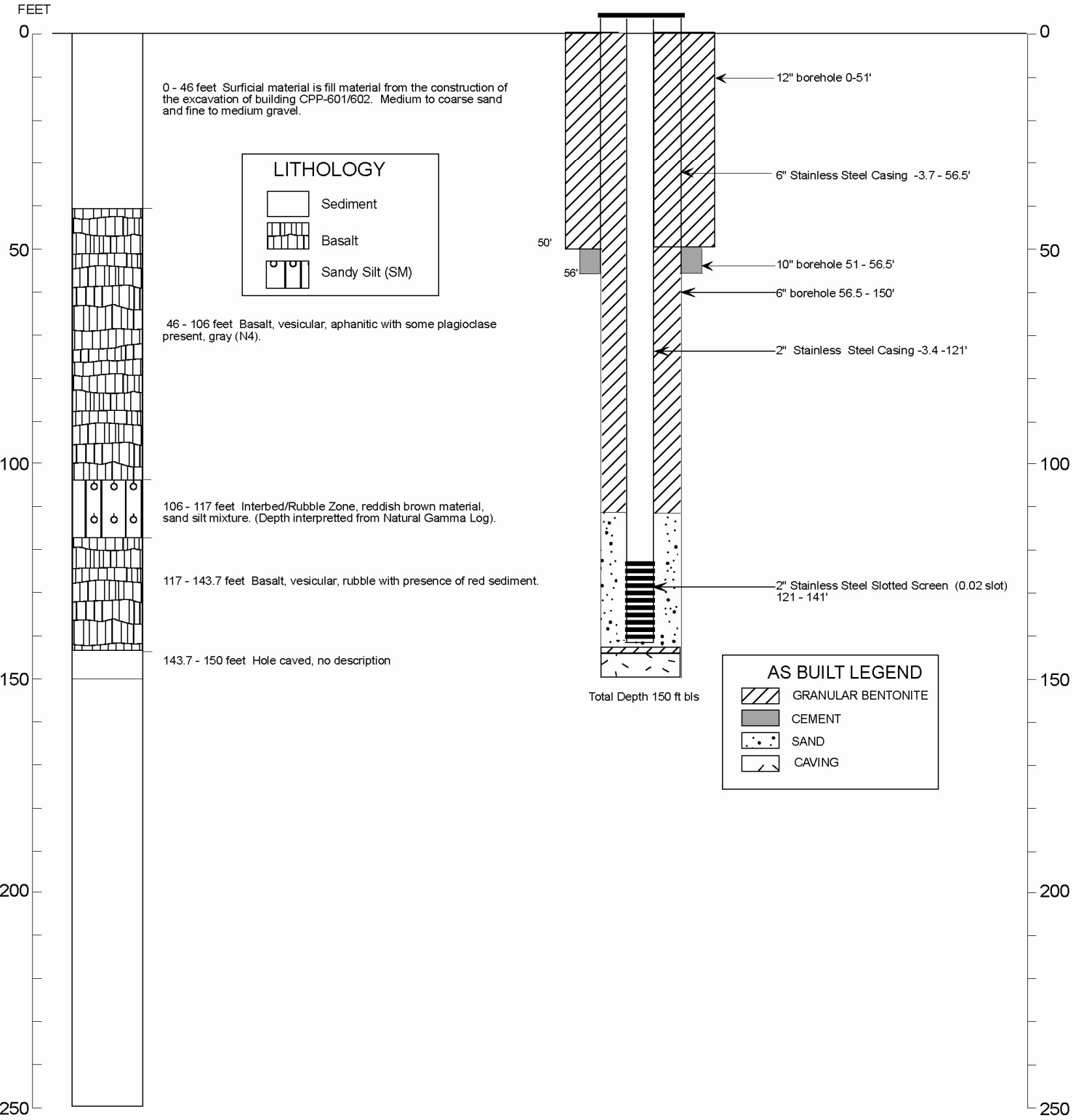
Date Drawn: 5/10/2010
Water Level: Dry
Water Level/ Date:
Water Level Access:



WELL NAME: **ICPP-2205**
WELL ID: **2205**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2010
Total Depth: 150 ft bls
Drilling Start Date 3/23/2010 Drilling End Date 3/29/2010
Completion Depth: 141 ft bls

Driller: Major Drilling
Geologist: D. Smith
Drill Method: Conventional Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4913.47 (29) B.C. (83) M.P. 4916.96 (88) B.C.

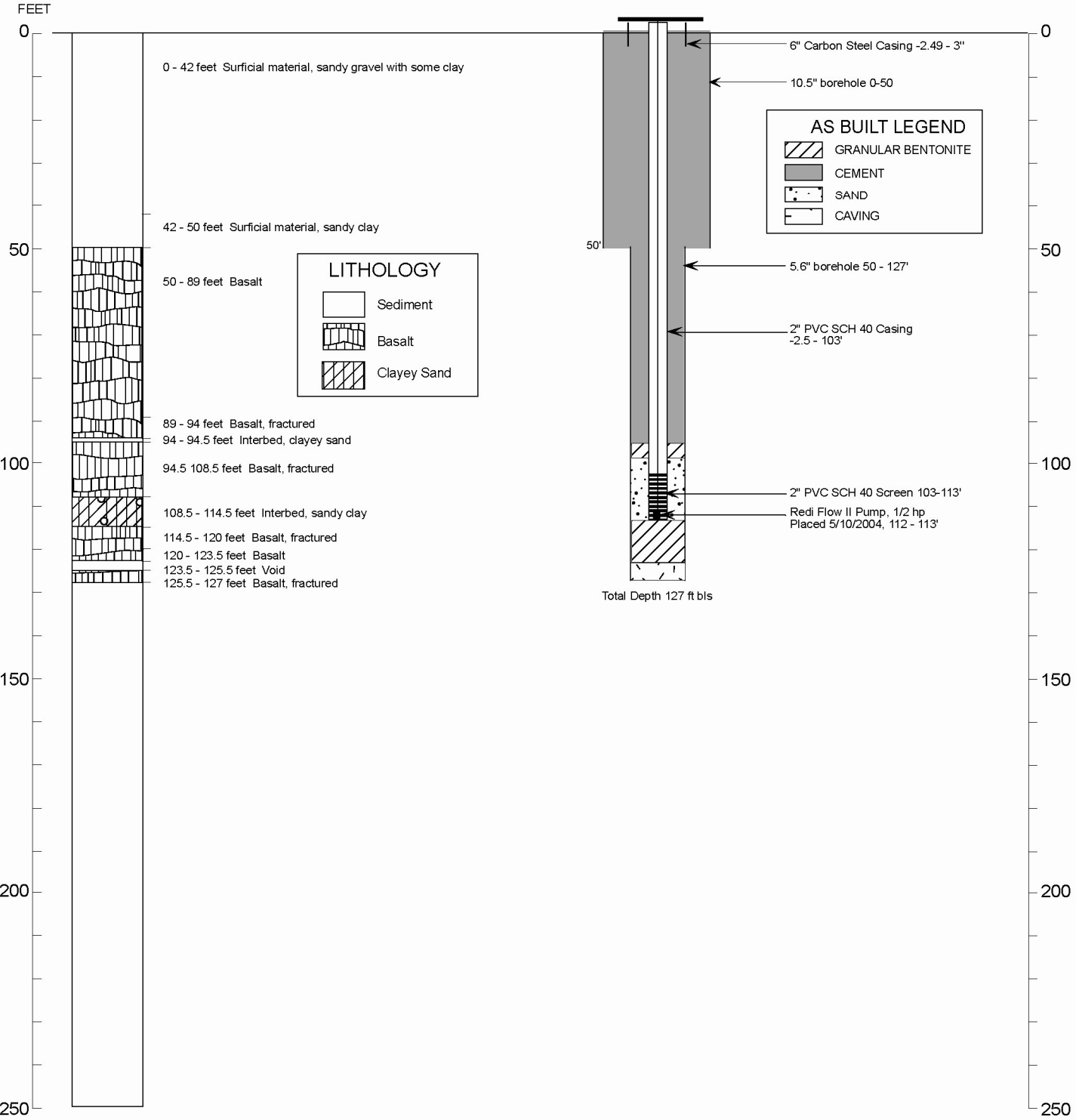
Date Drawn: 5/11/2010
Water Level: 126.16 ft bls
Water Level/ Date: 3/24/2010
Water Level Access: Hole



WELL NAME: **ICPP-MON-P-002 (MW-2)**
WELL ID: **1058**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 1994
Total Depth: 127 ft bls
Completion Depth: 113.2 ft bls

Driller: Hawley Bros.
Geologist: MSE
Drill Method: Air Rotary
Drill Fluid: Air, Water, Foam
Land Surface: (27) M.P. 4912.3 (29) B.C. (83) M.P. 4915.79 (88) B.C.

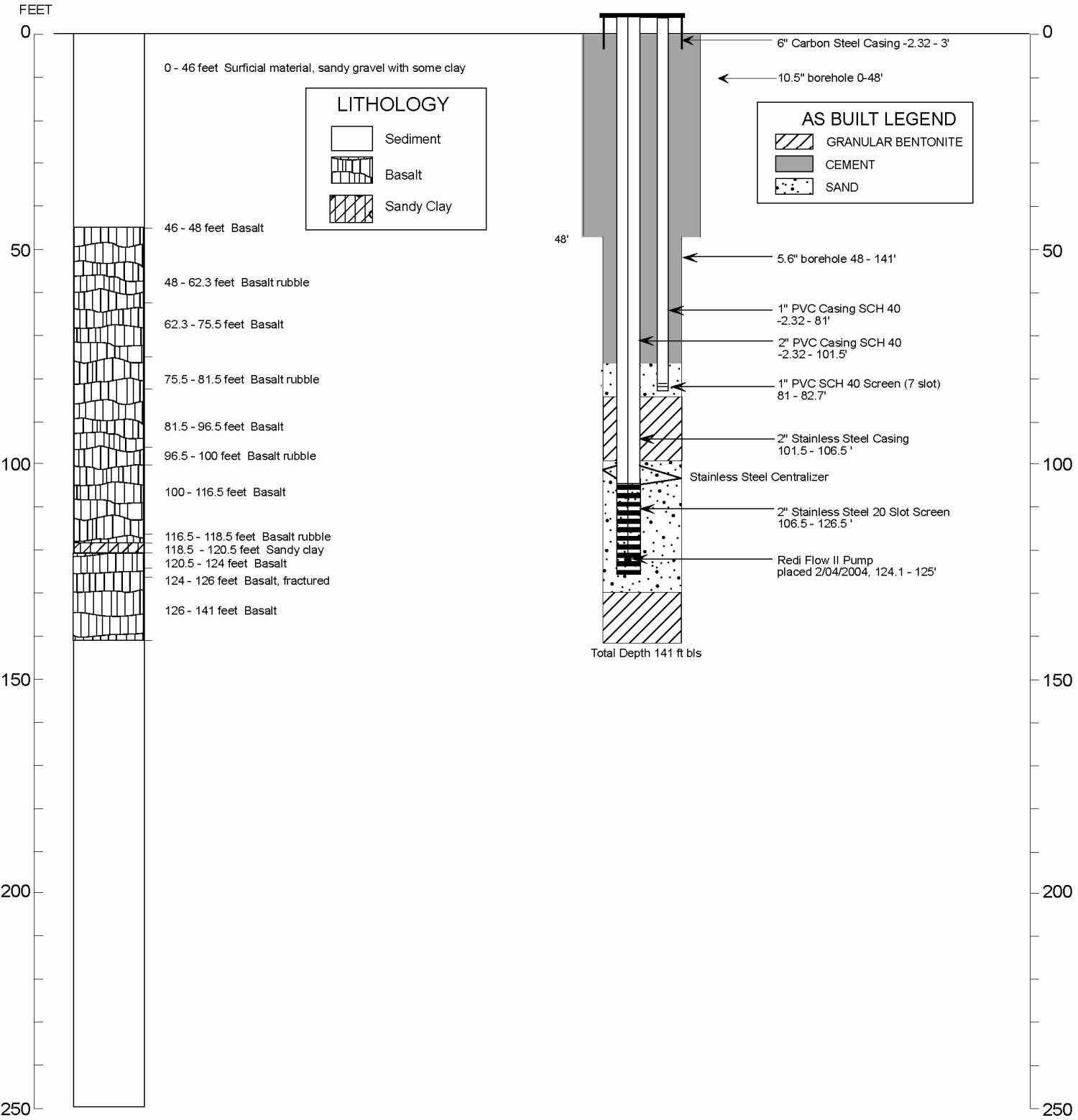
Date Drawn: 7/07/2011
Water Level: 105.77
Water Level/ Date: 1/20/1994
Water Level Access:



WELL NAME: **ICPP-MON-P-005 (MW-5)**
WELL ID: **1061**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 1993
Total Depth: 141 ft bls
Completion Depth: 126.5 ft bls

Driller: Hawley Bros.
Geologist: MSE
Drill Method: Air Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4915.59 (29) B.C. (83) M.P. 4919.08 (88) B.C.

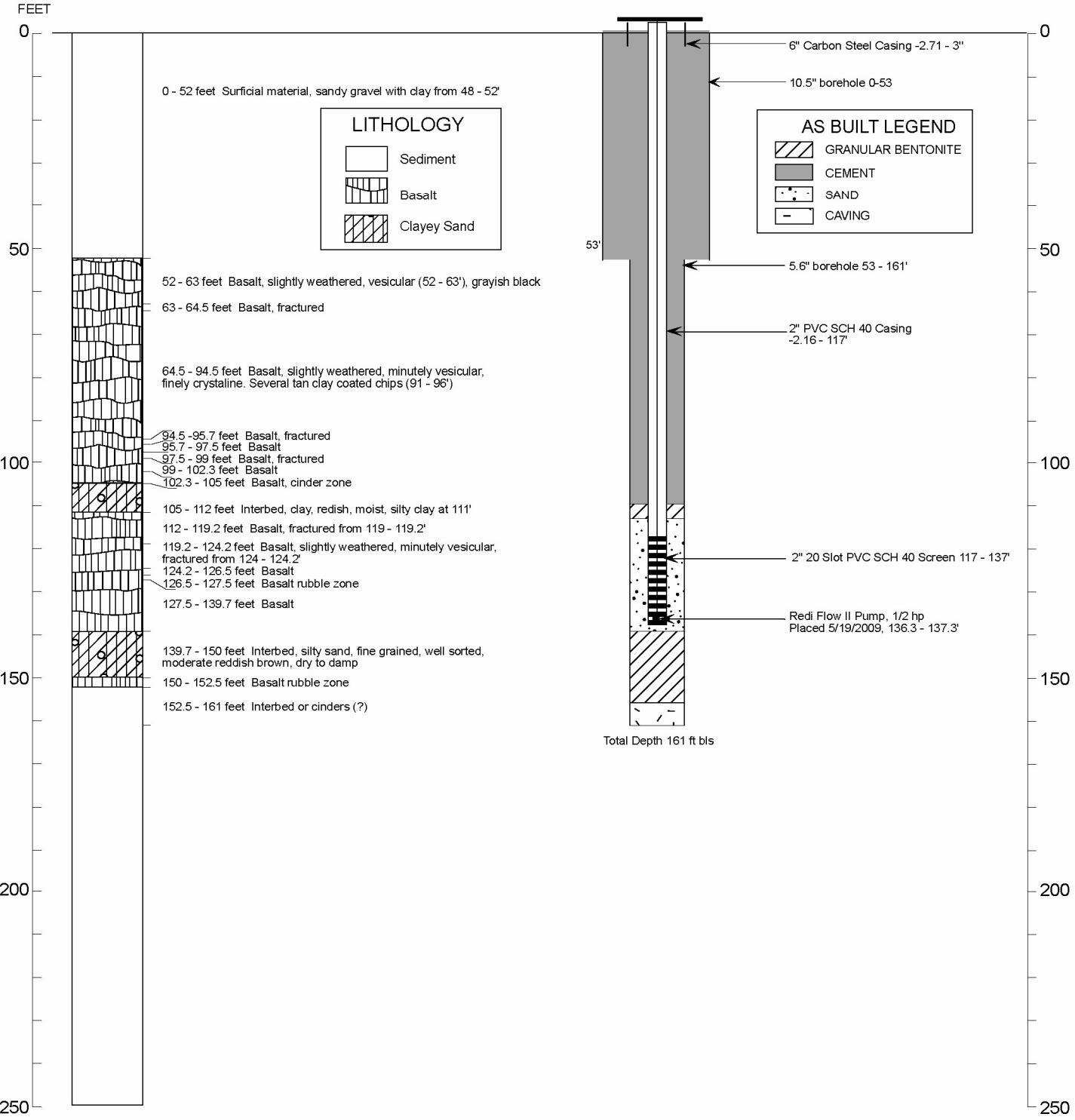
Date Drawn: 7/12/2011
Water Level: 109.98
Water Level/ Date: 1/20/1994
Water Level Access: 2 " PVC



WELL NAME: ICPP-MON-P-006 (MW-6)
WELL ID: 1062
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 1993
Total Depth: 161 ft bls
Completion Depth: 137 ft bls

Driller: Hawley Bros.
Geologist: MSE
Drill Method: Air Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4915.73 (29) B.C. (83) M.P. 4919.22 (88) B.C.

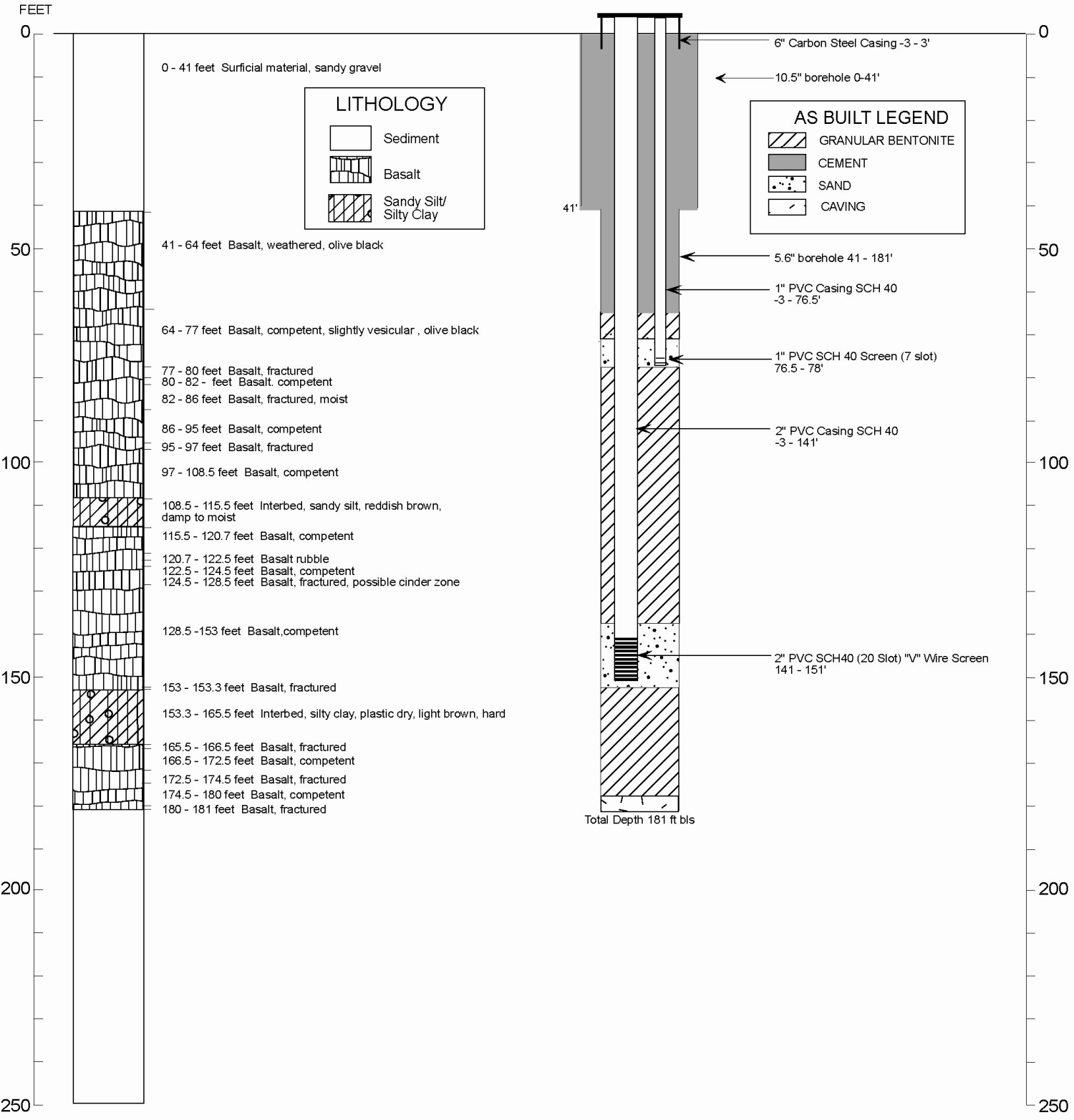
Date Drawn: 7/26/2011
Water Level: 124.55 ft
Water Level/ Date: 01/20/1994
Water Level Access: PVC



WELL NAME: **ICPP-MON-P-010 (MW-10)**
WELL ID: **1066**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 1993
Total Depth: 181 ft bls
Completion Depth: 151 ft bls

Driller: Hawley Bros.
Geologist: MSE
Drill Method: Air Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4913.88 (29) B.C. (83) M.P. 4917.37 (88) B.C.

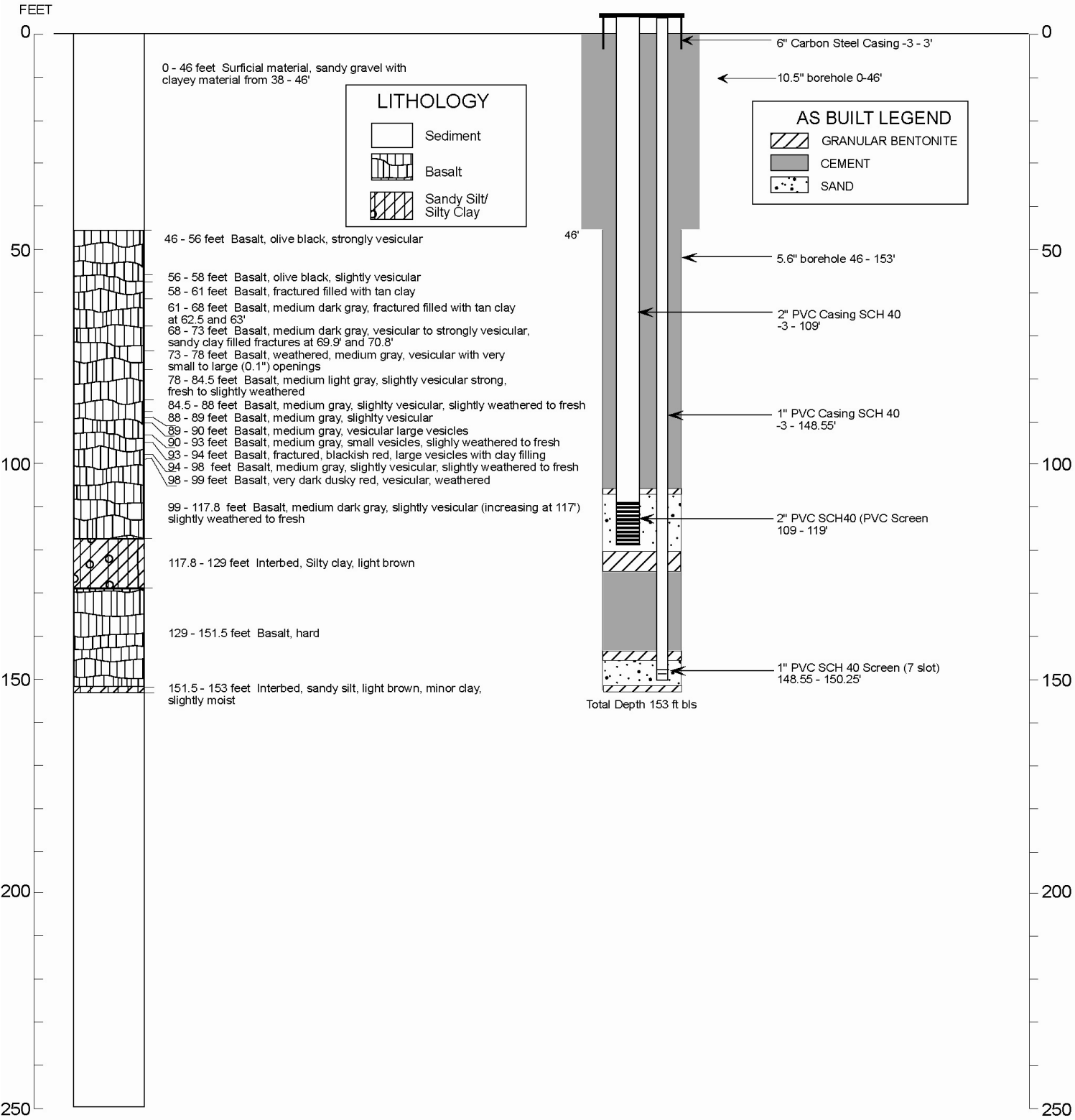
Date Drawn: 7/12/2011
Water Level:
Water Level/ Date:
Water Level Access:



WELL NAME: **ICPP-MON-P-013 (MW-12)**
WELL ID: **1068**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 1994
Total Depth: 153 ft bls
Completion Depth: 150.25 ft bls

Driller: Hawley Bros.
Geologist: MSE
Drill Method: Air Rotary
Drill Fluid: Air
Land Surface: (27) M.P. 4912.14 (29) B.C. (83) M.P. 4915.63 (88) B.C.

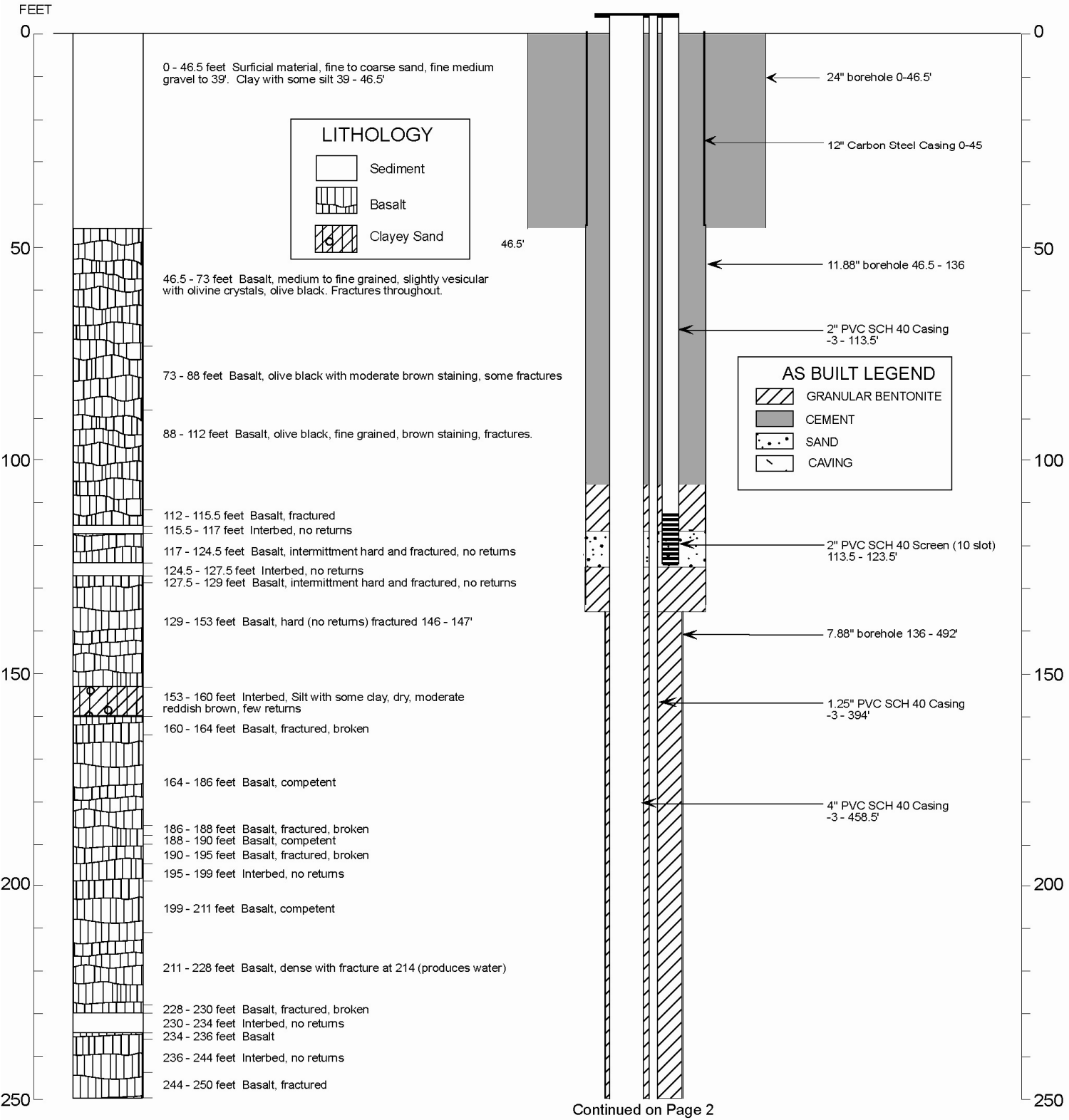
Date Drawn: 7/19/2011
Water Level:
Water Level/ Date:
Water Level Access:



WELL NAME: ICPP-MON-P-019 (MW-18)
WELL ID: 1187
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 1994
Total Depth: 492 ft bls
Completion Depth: 478.5 ft bls

Driller: Hawley Bros.
Geologist: MSE
Drill Method: Air Rotary
Drill Fluid: Air, Water, Foam
Land Surface: (27) M.P. 4913.74 (29) B.C. (83) M.P. 4917.23 (88) B.C.

Date Drawn: 7/19/2011
Water Level: 459.83
Water Level/ Date: 12/2/1994
Water Level Access:



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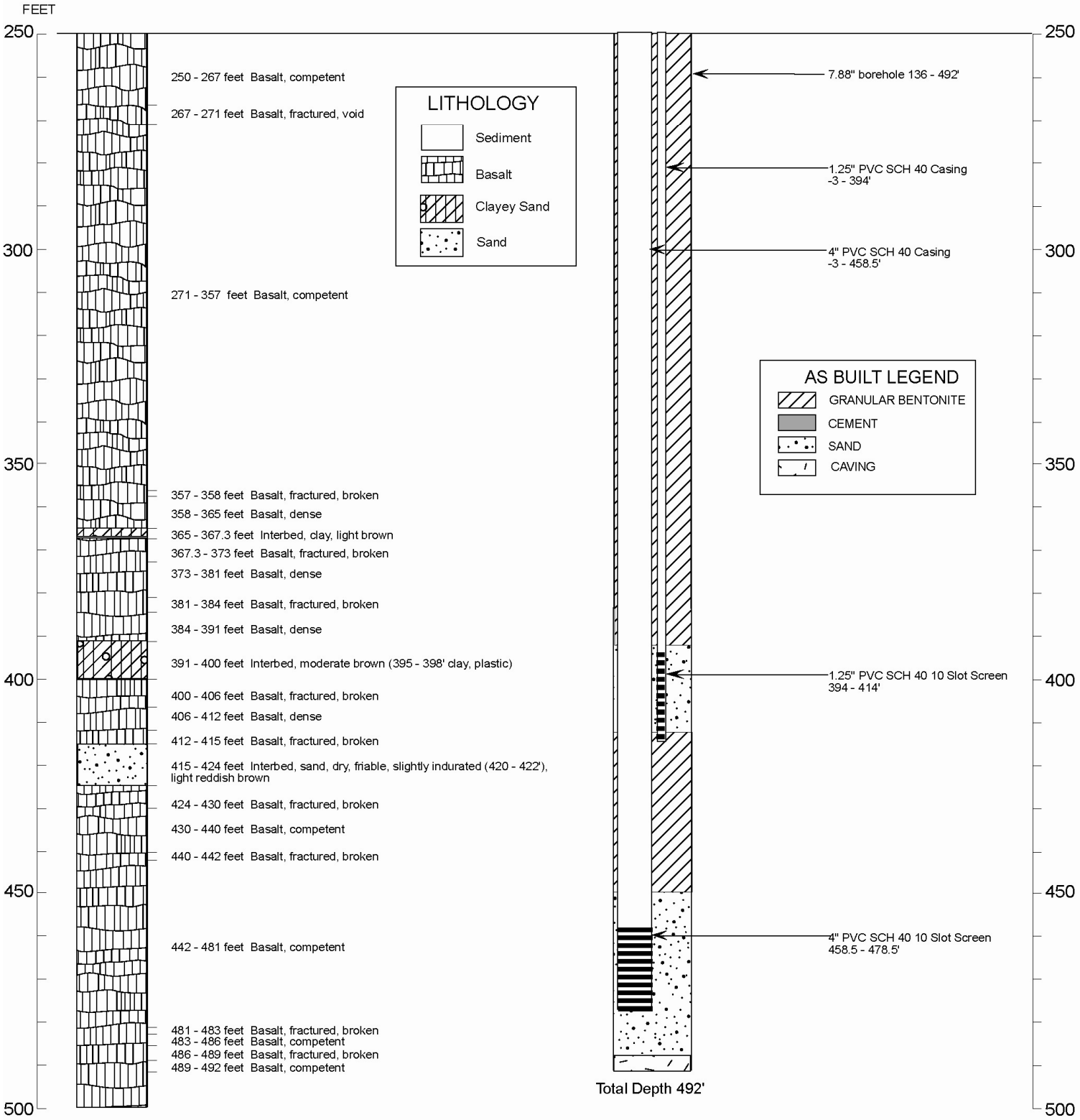
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