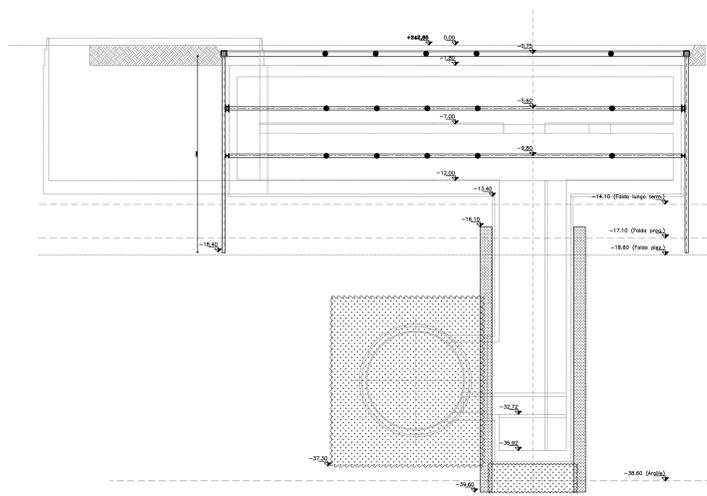
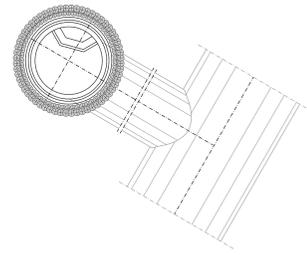


FASE 4 - CONSOLIDAMENTI POZZO VERTICALE

4 SEZIONE (FASE 4)
SCALA 1:200



4 SEZIONE POZZO (FASE 4)
SCALA 1:200

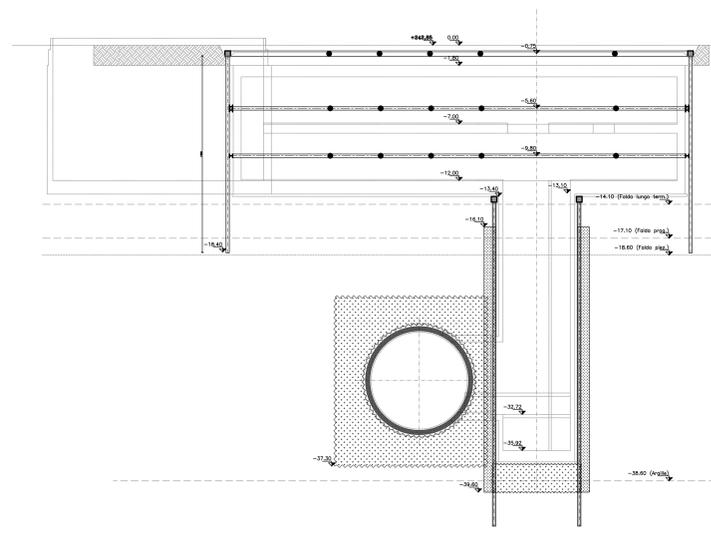


FASE 4 - SVILUPPO ESECUTIVO

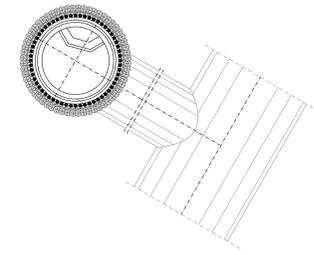
- DAL FONDO DELLA CABINA TECNICA, REALIZZAZIONE DI DOPPIA CORONELLA DI CONSOLIDAMENTO CON COLONNE JET GROUTING. SUL PERIMETRO DI SCAVO DEL POZZO VERTICALE DA P.C. (LE COLONNE SARANNO IMMERSATE PER 1.00m OLTRE LO STRATO DI ARGILLE)
- REALIZZAZIONE TAMPONE DI FONDO IN JET GROUTING POZZO VERTICALE (H=2.50m AD INTERCETTARE IL SOTTOSTANTE STRATO ARGILLOSO PER CIRCA UN METRO)

FASE 5 - PASSAGGIO DELLA TBM E REALIZZAZIONE MICROPALI POZZO VERTICALE

5 SEZIONE (FASE 5)
SCALA 1:200



5 SEZIONE POZZO (FASE 5)
SCALA 1:200

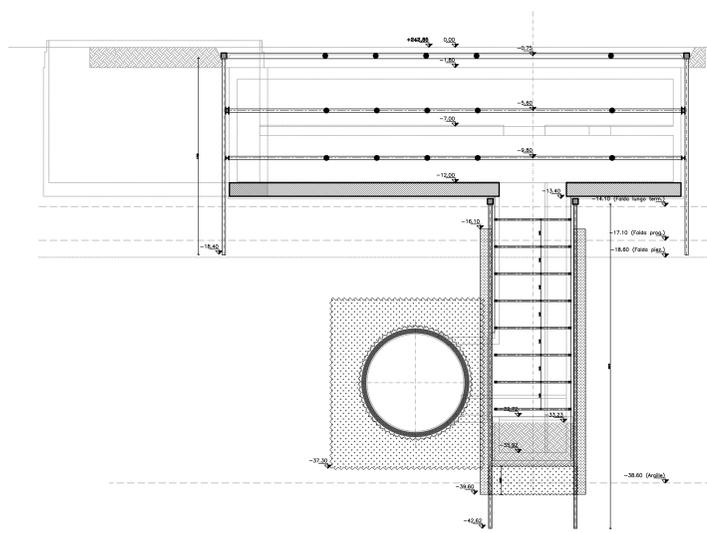


FASE 5 - SVILUPPO ESECUTIVO

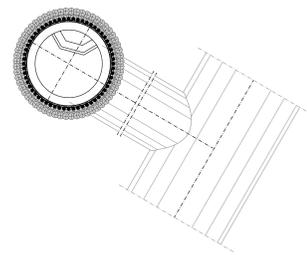
- PASSAGGIO DELLA TBM
- REALIZZAZIONE PARATA DI MICROPALI Ø220x450mm CON PERFORAZIONE CON MARTELLO A FONDO FORO (TIPO "ODEX") ARMATI CON TUBO METALLICO Ø193.7mm sp=8mm IN CORRISPONDENZA DEL POZZO VERTICALE E A PARTIRE DA QUOTA FONDO SCAVO CABINA TECNICA
- REALIZZAZIONI CORDOLO TESTA MICROPALI DEL POZZO VERTICALE (dimensione cordolo 50X50cm - C30/37, incidenza armatura = 100 kg/m³)

FASE 6 - SCAVO POZZO VERTICALE

6 SEZIONE (FASE 6)
SCALA 1:200



6 SEZIONE POZZO (FASE 6)
SCALA 1:200

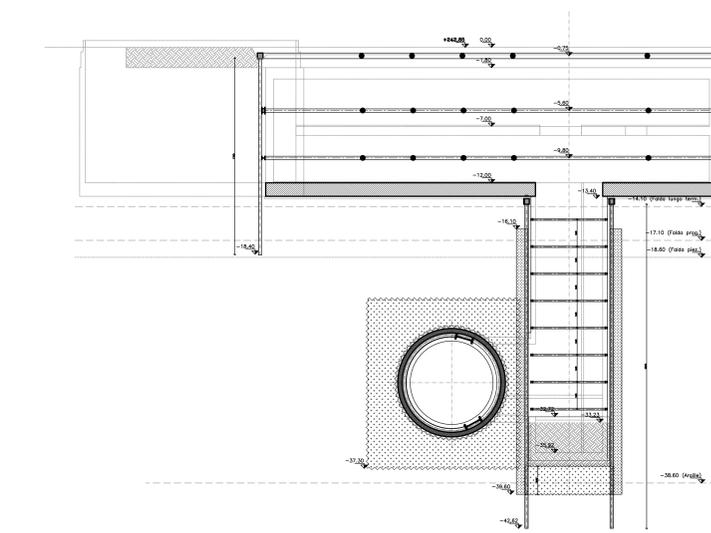


FASE 6 - SVILUPPO ESECUTIVO

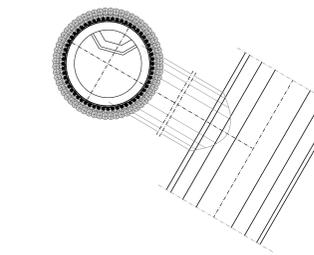
- SUL FONDO SCAVO DELLA CABINA TECNICA, POSA DEL DISPENSORE DI TERRA E DISPOSIZIONE DI RIPRESSE VERTICALI LATERALI PER SUCCESSIVA RISALITA DEI CAVI ELETTRICI DI MESSA A TERRA VERTICALI
- POSA DELLO STRATO DI MAGNONE SUL FONDO SCAVO E INSTALLAZIONE DEL SISTEMA DI IMPERMEABILIZZAZIONE DELLA SOLETTA DI FONDO RISVOLTO SULLE PARETI DI ALMENO 1.50M, PER LA SUCCESSIVA SOVRAPPOSIZIONE
- GETTO DELLA SOLETTA DI FONDO DELLA CABINA TECNICA LASCIANDO I FERRI DI RIPRESA PER LA SUCCESSIVA REALIZZAZIONE DELLE FODERE E DEI SETTI INTERNI
- SCAVO DEL POZZO, PER RIBASSI SUCCESSIVI FINO A QUOTA FONDO SCAVO E CONTESTUALE CON ROSA IN OPERA CENTINE HEB160 (PASSO DI 2.40M, UNO STRATO DI CALCESTRUZZO PROGETTATO C25/30 SPESORE MEDIO 15CM ARMATO CON RETE METALLICA ELETTRISALDATA Ø 8 MAGLIA 20X20CM)

FASE 7 - INSERIMENTO DELLA STRUTTURA METALLICA DI RINFORZO ALL'INTERNO DELLA GALLERIA TBM

7 SEZIONE (FASE 7)
SCALA 1:200



7 SEZIONE POZZO (FASE 7)
SCALA 1:200



FASE 7 - SVILUPPO ESECUTIVO

- INSERIMENTO DI UNA STRUTTURA METALLICA PROVVISORIA DI SUPPORTO DEI CONCI IN CORRISPONDENZA DELL'INBOCCO DEL CUNICOLO

**MINISTERO
DELLE INFRASTRUTTURE E DELLA MOBILITÀ SOSTENIBILI
STRUTTURA TECNICA DI MISSIONE**

Mims
COMUNE DI TORINO
CITTÀ DI TORINO

**METROPOLITANA AUTOMATICA DI TORINO
LINEA 2 - TRATTA POLITECNICO - REBAUDENGO
PROGETTAZIONE DEFINITIVA
Lotto Costruttivo 2: Bologna - Politecnico**

PROGETTO DEFINITIVO	IL PROGETTISTA	INFRA.TO <small>infrastrutture per la mobilità</small> INFRATRASPORTI.TO S.r.l.
<small>DIRETTORE PROGETTAZIONE</small> <small>Ing. R. Cirva</small>	<small>PROGETTISTA</small> <small>Ing. F. Rizzo</small>	<small>PROGETTO STRUTTURALE - POZZI E MANUFATTI DI LINEA</small> <small>POZZO DI INTERTRATTA POLITECNICO</small> <small>SCHEMA FASI COSTRUTTIVE - Tav. 2 Di 3</small>
<small>ELABORATO</small>	<small>REV. ES.</small>	<small>SCALA</small>
<small>BBH MANAGER Geom. L. D'Accardi</small>	MTL21A2DSTR PPOT 002	0 2
<small>AGGIORNAMENTI</small>		
<small>DATA</small>	<small>REDAITTO/CONTROL.</small>	<small>APPROV. VISTO</small>
18/01/22	LFA POM FRI RCR	FRI RCR
25/11/22	LFA POM FRI RCR	FRI RCR
06/10/23	POM POM FRI RCR	FRI RCR
-	-	-
-	-	-

Fig. 1 di 1

LOTTO 2	STAZIONE APPALTANTE
CARTELLA	DIRETTORE DI DIVISIONE
5	INFRASTRUTTURE E MOBILITÀ
MTL21A2D STRPPOT002	Ing. R. Bertasio
	RESPONSABILE TECNICO DEL PROCEDIMENTO
	Ing. A. Strazziero

0.14 0.24 0.34 0.44 0.54 0.64 0.74 0.84 0.94 1.04 1.14 1.24 1.34 1.44 1.54 1.64 1.74 1.84 1.94 2.04 2.14 2.24 2.34 2.44 2.54 2.64 2.74 2.84 2.94 3.04 3.14 3.24 3.34 3.44 3.54 3.64 3.74 3.84 3.94 4.04 4.14 4.24 4.34 4.44 4.54 4.64 4.74 4.84 4.94 5.04 5.14 5.24 5.34 5.44 5.54 5.64 5.74 5.84 5.94 6.04 6.14 6.24 6.34 6.44 6.54 6.64 6.74 6.84 6.94 7.04 7.14 7.24 7.34 7.44 7.54 7.64 7.74 7.84 7.94 8.04 8.14 8.24 8.34 8.44 8.54 8.64 8.74 8.84 8.94 9.04 9.14 9.24 9.34 9.44 9.54 9.64 9.74 9.84 9.94 10.04 10.14 10.24 10.34 10.44 10.54 10.64 10.74 10.84 10.94 11.04 11.14 11.24 11.34 11.44 11.54 11.64 11.74 11.84 11.94 12.04 12.14 12.24 12.34 12.44 12.54 12.64 12.74 12.84 12.94 13.04 13.14 13.24 13.34 13.44 13.54 13.64 13.74 13.84 13.94 14.04 14.14 14.24 14.34 14.44 14.54 14.64 14.74 14.84 14.94 15.04 15.14 15.24 15.34 15.44 15.54 15.64 15.74 15.84 15.94 16.04 16.14 16.24 16.34 16.44 16.54 16.64 16.74 16.84 16.94 17.04 17.14 17.24 17.34 17.44 17.54 17.64 17.74 17.84 17.94 18.04 18.14 18.24 18.34 18.44 18.54 18.64 18.74 18.84 18.94 19.04 19.14 19.24 19.34 19.44 19.54 19.64 19.74 19.84 19.94 20.04 20.14 20.24 20.34 20.44 20.54 20.64 20.74 20.84 20.94 21.04 21.14 21.24 21.34 21.44 21.54 21.64 21.74 21.84 21.94 22.04 22.14 22.24 22.34 22.44 22.54 22.64 22.74 22.84 22.94 23.04 23.14 23.24 23.34 23.44 23.54 23.64 23.74 23.84 23.94 24.04 24.14 24.24 24.34 24.44 24.54 24.64 24.74 24.84 24.94 25.04 25.14 25.24 25.34 25.44 25.54 25.64 25.74 25.84 25.94 26.04 26.14 26.24 26.34 26.44 26.54 26.64 26.74 26.84 26.94 27.04 27.14 27.24 27.34 27.44 27.54 27.64 27.74 27.84 27.94 28.04 28.14 28.24 28.34 28.44 28.54 28.64 28.74 28.84 28.94 29.04 29.14 29.24 29.34 29.44 29.54 29.64 29.74 29.84 29.94 30.04 30.14 30.24 30.34 30.44 30.54 30.64 30.74 30.84 30.94 31.04 31.14 31.24 31.34 31.44 31.54 31.64 31.74 31.84 31.94 32.04 32.14 32.24 32.34 32.44 32.54 32.64 32.74 32.84 32.94 33.04 33.14 33.24 33.34 33.44 33.54 33.64 33.74 33.84 33.94 34.04 34.14 34.24 34.34 34.44 34.54 34.64 34.74 34.84 34.94 35.04 35.14 35.24 35.34 35.44 35.54 35.64 35.74 35.84 35.94 36.04 36.14 36.24 36.34 36.44 36.54 36.64 36.74 36.84 36.94 37.04 37.14 37.24 37.34 37.44 37.54 37.64 37.74 37.84 37.94 38.04 38.14 38.24 38.34 38.44 38.54 38.64 38.74 38.84 38.94 39.04 39.14 39.24 39.34 39.44 39.54 39.64 39.74 39.84 39.94 40.04 40.14 40.24 40.34 40.44 40.54 40.64 40.74 40.84 40.94 41.04 41.14 41.24 41.34 41.44 41.54 41.64 41.74 41.84 41.94 42.04 42.14 42.24 42.34 42.44 42.54 42.64 42.74 42.84 42.94 43.04 43.14 43.24 43.34 43.44 43.54 43.64 43.74 43.84 43.94 44.04 44.14 44.24 44.34 44.44 44.54 44.64 44.74 44.84 44.94 45.04 45.14 45.24 45.34 45.44 45.54 45.64 45.74 45.84 45.94 46.04 46.14 46.24 46.34 46.44 46.54 46.64 46.74 46.84 46.94 47.04 47.14 47.24 47.34 47.44 47.54 47.64 47.74 47.84 47.94 48.04 48.14 48.24 48.34 48.44 48.54 48.64 48.74 48.84 48.94 49.04 49.14 49.24 49.34 49.44 49.54 49.64 49.74 49.84 49.94 50.04 50.14 50.24 50.34 50.44 50.54 50.64 50.74 50.84 50.94 51.04 51.14 51.24 51.34 51.44 51.54 51.64 51.74 51.84 51.94 52.04 52.14 52.24 52.34 52.44 52.54 52.64 52.74 52.84 52.94 53.04 53.14 53.24 53.34 53.44 53.54 53.64 53.74 53.84 53.94 54.04 54.14 54.24 54.34 54.44 54.54 54.64 54.74 54.84 54.94 55.04 55.14 55.24 55.34 55.44 55.54 55.64 55.74 55.84 55.94 56.04 56.14 56.24 56.34 56.44 56.54 56.64 56.74 56.84 56.94 57.04 57.14 57.24 57.34 57.44 57.54 57.64 57.74 57.84 57.94 58.04 58.14 58.24 58.34 58.44 58.54 58.64 58.74 58.84 58.94 59.04 59.14 59.24 59.34 59.44 59.54 59.64 59.74 59.84 59.94 60.04 60.14 60.24 60.34 60.44 60.54 60.64 60.74 60.84 60.94 61.04 61.14 61.24 61.34 61.44 61.54 61.64 61.74 61.84 61.94 62.04 62.14 62.24 62.34 62.44 62.54 62.64 62.74 62.84 62.94 63.04 63.14 63.24 63.34 63.44 63.54 63.64 63.74 63.84 63.94 64.04 64.14 64.24 64.34 64.44 64.54 64.64 64.74 64.84 64.94 65.04 65.14 65.24 65.34 65.44 65.54 65.64 65.74 65.84 65.94 66.04 66.14 66.24 66.34 66.44 66.54 66.64 66.74 66.84 66.94 67.04 67.14 67.24 67.34 67.44 67.54 67.64 67.74 67.84 67.94 68.04 68.14 68.24 68.34 68.44 68.54 68.64 68.74 68.84 68.94 69.04 69.14 69.24 69.34 69.44 69.54 69.64 69.74 69.84 69.94 70.04 70.14 70.24 70.34 70.44 70.54 70.64 70.74 70.84 70.94 71.04 71.14 71.24 71.34 71.44 71.54 71.64 71.74 71.84 71.94 72.04 72.14 72.24 72.34 72.44 72.54 72.64 72.74 72.84 72.94 73.04 73.14 73.24 73.34 73.44 73.54 73.64 73.74 73.84 73.94 74.04 74.14 74.24 74.34 74.44 74.54 74.64 74.74 74.84 74.94 75.04 75.14 75.24 75.34 75.44 75.54 75.64 75.74 75.84 75.94 76.04 76.14 76.24 76.34 76.44 76.54 76.64 76.74 76.84 76.94 77.04 77.14 77.24 77.34 77.44 77.54 77.64 77.74 77.84 77.94 78.04 78.14 78.24 78.34 78.44 78.54 78.64 78.74 78.84 78.94 79.04 79.14 79.24 79.34 79.44 79.54 79.64 79.74 79.84 79.94 80.04 80.14 80.24 80.34 80.44 80.54 80.64 80.74 80.84 80.94 81.04 81.14 81.24 81.34 81.44 81.54 81.64 81.74 81.84 81.94 82.04 82.14 82.24 82.34 82.44 82.54 82.64 82.74 82.84 82.94 83.04 83.14 83.24 83.34 83.44 83.54 83.64 83.74 83.84 83.94 84.04 84.14 84.24 84.34 84.44 84.54 84.64 84.74 84.84 84.94 85.04 85.14 85.24 85.34 85.44 85.54 85.64 85.74 85.84 85.94 86.04 86.14 86.24 86.34 86.44 86.54 86.64 86.74 86.84 86.94 87.04 87.14 87.24 87.34 87.44 87.54 87.64 87.74 87.84 87.94 88.04 88.14 88.24 88.34 88.44 88.54 88.64 88.74 88.84 88.94 89.04 89.14 89.24 89.34 89.44 89.54 89.64 89.74 89.84 89.94 90.04 90.14 90.24 90.34 90.44 90.54 90.64 90.74 90.84 90.94 91.04 91.14 91.24 91.34 91.44 91.54 91.64 91.74 91.84 91.94 92.04 92.14 92.24 92.34 92.44 92.54 92.64 92.74 92.84 92.94 93.04 93.14 93.24 93.34 93.44 93.54 93.64 93.74 93.84 93.94 94.04 94.14 94.24 94.34 94.44 94.54 94.64 94.74 94.84 94.94 95.04 95.14 95.24 95.34 95.44 95.54 95.64 95.74 95.84 95.94 96.04 96.14 96.24 96.34 96.44 96.54 96.64 96.74 96.84 96.94 97.04 97.14 97.24 97.34 97.44 97.54 97.64 97.74 97.84 97.94 98.04 98.14 98.24 98.34 98.44 98.54 98.64 98.74 98.84 98.94 99.04 99.14 99.24 99.34 99.44 99.54 99.64 99.74 99.84 99.94 100.04 100.14 100.24 100.34 100.44 100.54 100.64 100.74 100.84 100.94 101.04 101.14 101.24 101.34 101.44 101.54 101.64 101.74 101.84 101.94 102.04 102.14 102.24 102.34 102.44 102.54 102.64 102.74 102.84 102.94 103.04 103.14 103.24 103.34 103.44 103.54 103.64 103.74 103.84 103.94 104.04 104.14 104.24 104.34 104.44 104.54 104.64 104.74 104.84 104.94 105.04 105.14 105.24 105.34 105.44 105.54 105.64 105.74 105.84 105.94 106.04 106.14 106.24 106.34 106.44 106.54 106.64 106.74 106.84 106.94 107.04 107.14 107.24 107.34 107.44 107.54 107.64 107.74 107.84 107.94 108.04 108.14 108.24 108.34 108.44 108.54 108.64 108.74 108.84 108.94 109.04 109.14 109.24 109.34 109.44 109.54 109.64 109.74 109.84 109.94 110.04 110.14 110.24 110.34 110.44 110.54 110.64 110.74 110.84 110.94 111.04 111.14 111.24 111.34 111.44 111.54 111.64 111.74 111.84 111.94 112.04 112.14 112.24 112.34 112.44 112.54 112.64 112.74 112.84 112.94 113.04 113.14 113.24 113.34 113.44 113.54 113.64 113.74 113.84 113.94 114.04 114.14 114.24 114.34 114.44 114.54 114.64 114.74 114.84 114.94 115.04 115.14 115.24 115.34 115.44 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129.84 129.94 130.04 130.14 130.24 130.34 130.44 130.54 130.64 130.74 130.84 130.94 131.04 131.14 131.24 131.34 131.44 131.54 131.64 131.74 131.84 131.94 132.04 132.14 132.24 132.34 132.44 132.54 132.64 132.74 132.84 132.94 133.04 133.14 133.24 133.34 133.44 133.54 133.64 133.74 133.84 133.94 134.04 134.14 134.24 134.34 134.44 134.54 134.64 134.74 134.84 134.94 135.04 135.14 135.24 135.34 135.44 135.54 135.64 135