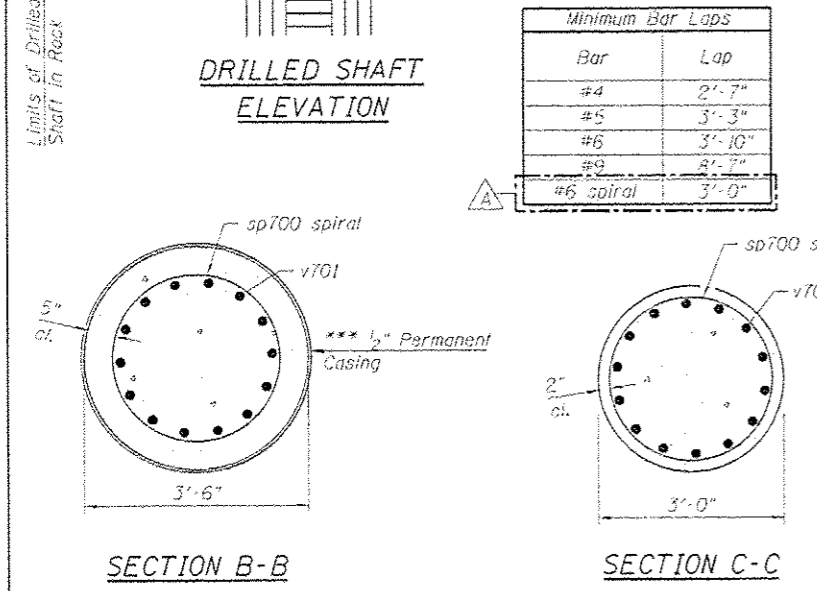
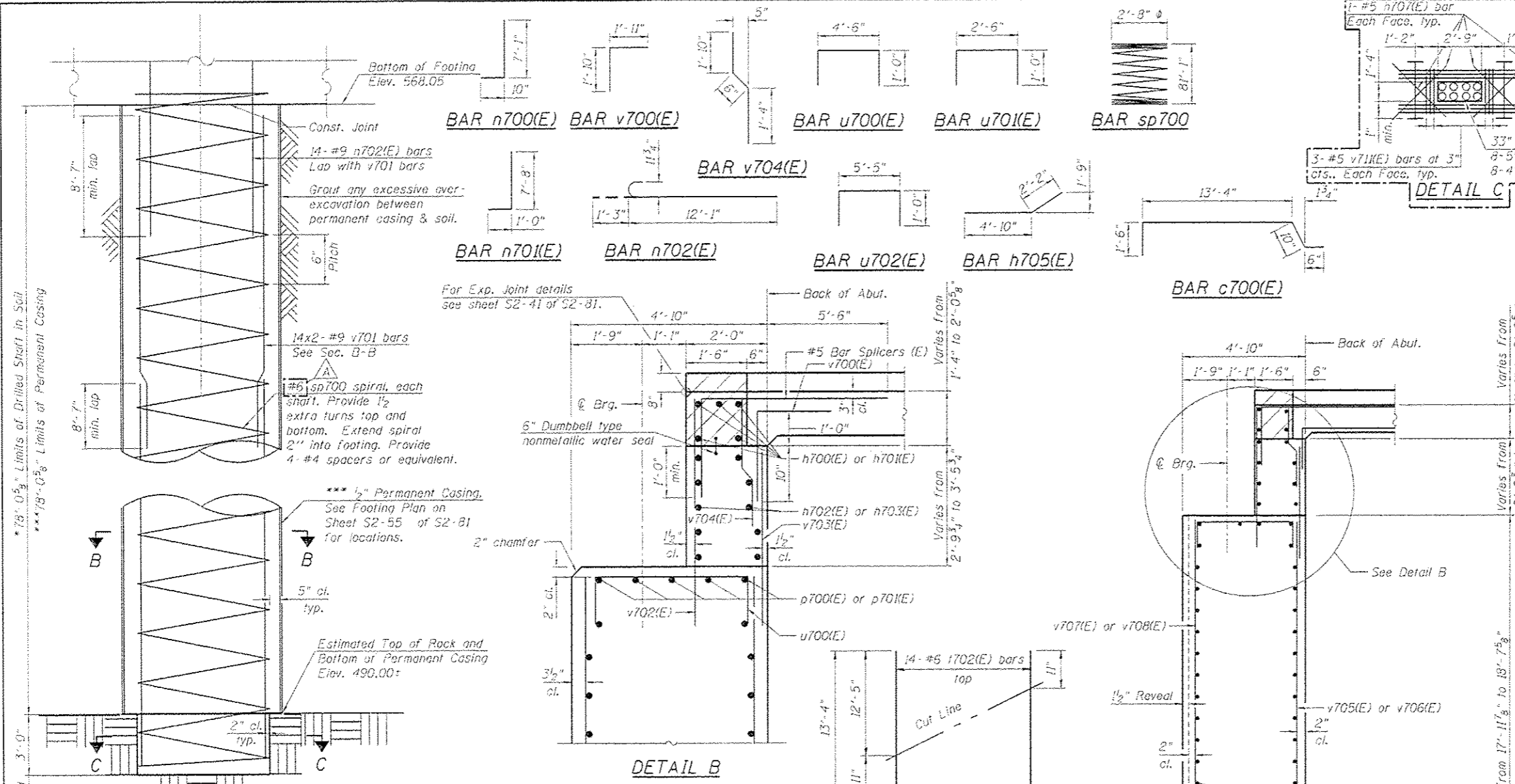
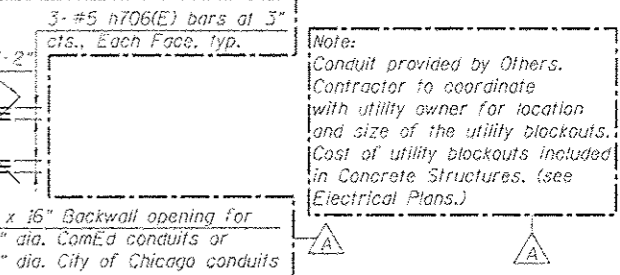


Limits of Drilled Shaft in Soil
Limits of Drilled Shaft in Rock



Notes:

- Apply Concrete Sealer to all exposed concrete surfaces of the abutment. Pour steps monolithically with cap.
- Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
- Space u700(E), p700(E) and p701(E) bars to miss anchor bolts.
- The quantities and detailing are based on the estimated elevations shown on the plans. The actual elevations may differ at each shaft and corresponding adjustments shall be made to the drilled shaft and reinforcement quantities and payment limits.
- Contractor may need to increase the casing thickness to withstand the installation process. The Estimated Top of Rock/Bottom of Permanent Casing Elevation is shown. The limits of the casing shall be adjusted as necessary, and as approved, such that the actual installed casing length extends to the as-encountered top of rock at each shaft. See Article 516.06(d) of the Standard Specifications.
- When Contractor's means and methods include initiating drilling for shafts at elevations higher than the final top of shaft elevation (e.g. Existing Ground Elevation), the costs for drilling, disposing of excavation, providing casing and backfilling of drilled shafts or other appurtenant work activities in the areas between the elevation where drilling is initiated and the proposed elevation of the top of shaft shall not be paid for separately but shall be included in the cost of Drilled Shaft in Soil.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b700(E)	26	#5	1'-6"	—
c700(E)	6	#5	16'-2"	—
n700(E)	5	#6	46'-10"	—
n701(E)	5	#6	43'-7"	—
n702(E)	8	#5	46'-10"	—
n703(E)	8	#5	43'-7"	—
n704(E)	4	#5	3'-5"	—
n705(E)	4	#5	7'-0"	—
n706(E)	24	#5	9'-5"	—
n707(E)	16	#5	4'-0"	—
n708(E)	8	#5	2'-10"	—
n700(E)	93	#5	7'-11"	—
n701(E)	158	#6	8'-8"	—
n702(E)	224	#9	13'-4"	—
p700(E)	6	#6	46'-10"	—
p701(E)	6	#6	43'-7"	—
p702(E)	38	#5	46'-10"	—
p703(E)	38	#5	43'-7"	—
p704(E)	4	#6	36'-1"	—
sp700	16	#6	81'-1"	—
v700(E)	256	#7	13'-2"	—
v701(E)	8	#7	15'-9"	—
v702(E)	56	#7	13'-4"	—
u700(E)	93	#6	8'-6"	—
u701(E)	37	#6	4'-6"	—
u702(E)	4	#6	7'-5"	—
v700(E)	93	#5	3'-9"	—
v701	448	#9	44'-10"	—
v702(E)	93	#5	5'-9"	—
v703(E)	93	#5	4'-1"	—
v704(E)	93	#5	3'-8"	—
v705(E)	82	#6	17'-11"	—
v706(E)	76	#6	17'-8"	—
v707(E)	48	#5	17'-11"	—
v708(E)	45	#5	17'-8"	—
v709(E)	4	#5	3'-0"	—
v710(E)	6	#5	3'-2"	—
v711(E)	24	#5	2'-5"	—
w700(E)	30	#5	46'-10"	—
w701(E)	30	#5	43'-7"	—

Structure Excavation	Cu. Yd.	1470
Concrete Structures	Cu. Yd.	480.2
Concrete Superstructure	Cu. Yd.	9.7
Reinforcement Bars	Pound	101,000
Reinforcement Bars, Epoxy Coated	Pound	39,980
Permanent Casing	Foot	313
Drilled Shaft in Soil	Cu. Yd.	445.1
Drilled Shaft in Rock	Cu. Yd.	12.6
Concrete Sealer	Sq. Ft.	1747
Geocomposite Wall Drain	Sq. Yd.	218
Granular Backfill for Structures	Cu. Yd.	291

Bars indicated thus. 1x15-#5 etc., indicates 1 line of bars with 15 lengths per line.
** Length is height of spiral.