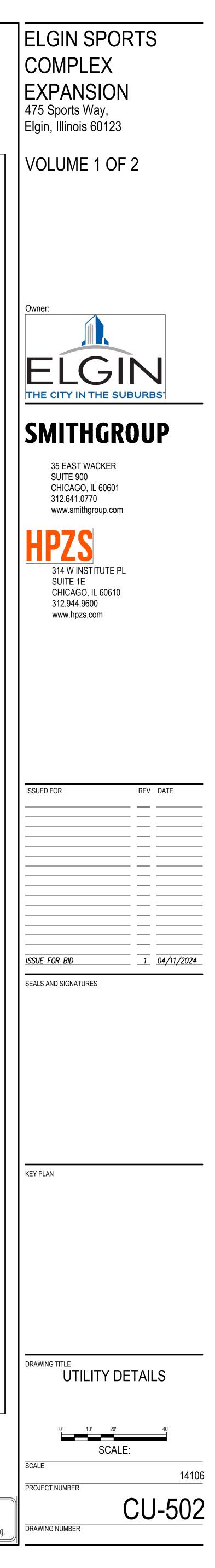
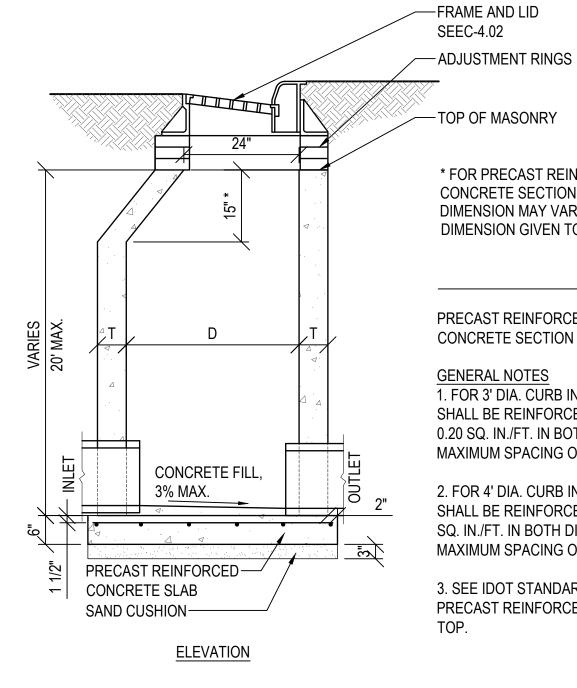




J.U.L.I.E. CALL 1-800-892-0123 48 Hours (2 working days) Before You Dig.





-FRAME AND LID SEEC-4.02

\* FOR PRECAST REINFORCED CONCRETE SECTIONS, THIS

DIMENSION MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6".

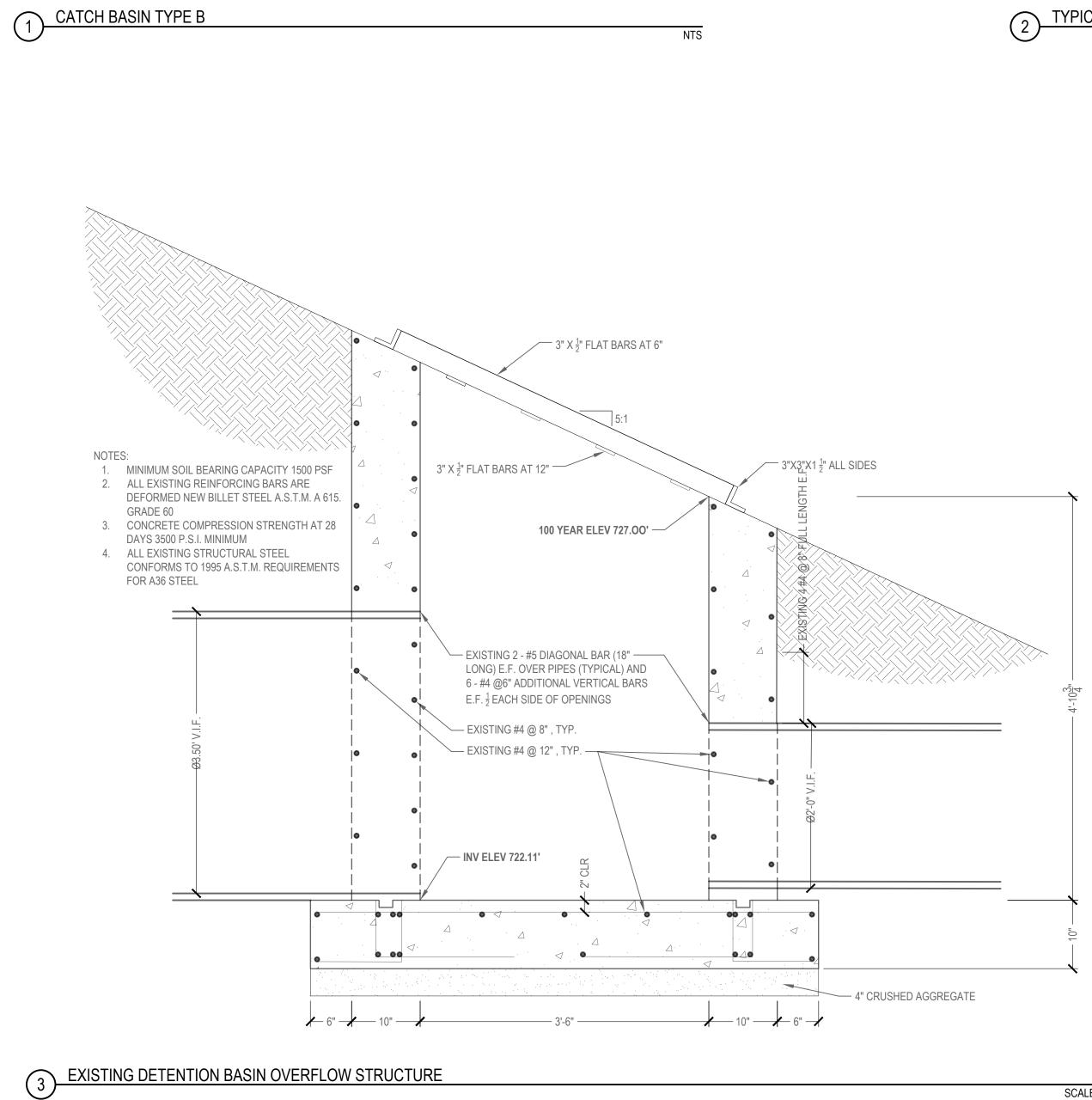


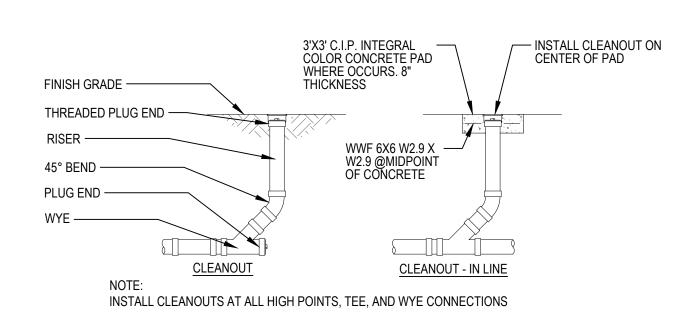
CONCRETE SECTION 4' 4"

GENERAL NOTES 1. FOR 3' DIA. CURB INLET, BOTTOM SLABS SHALL BE REINFORCED WITH A MINIMUM OF 0.20 SQ. IN./FT. IN BOTH DIRECTIONS WITH A MAXIMUM SPACING OF 12".

2. FOR 4' DIA. CURB INLET, BOTTOM SLABS SHALL BE REINFORCED WITH A MIN. OF 0.31 SQ. IN./FT. IN BOTH DIRECTIONS WITH A MAXIMUM SPACING OF 12".

3. SEE IDOT STANDARD 602601 FOR OPTIONAL PRECAST REINFORCED CONCRETE FLAT SLAB TOP.





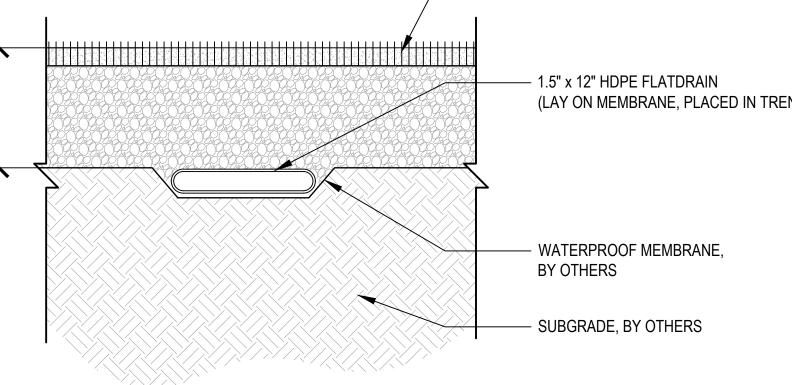
2 TYPICAL CLEANOUT

4 FLAT DRAIN

NTS

SCALE: 1" = 1'-0"

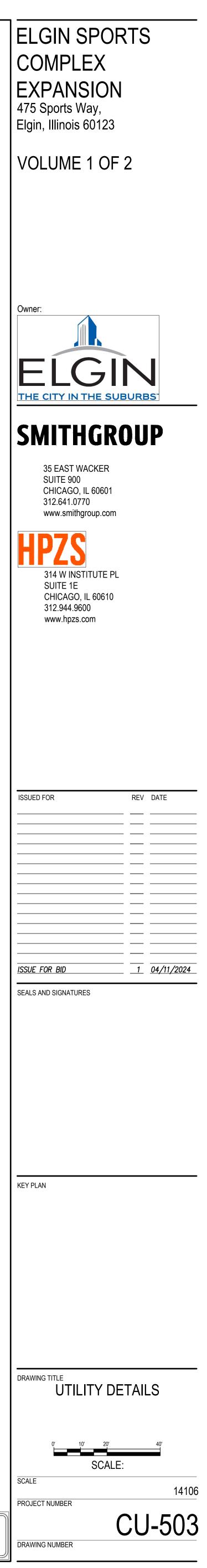


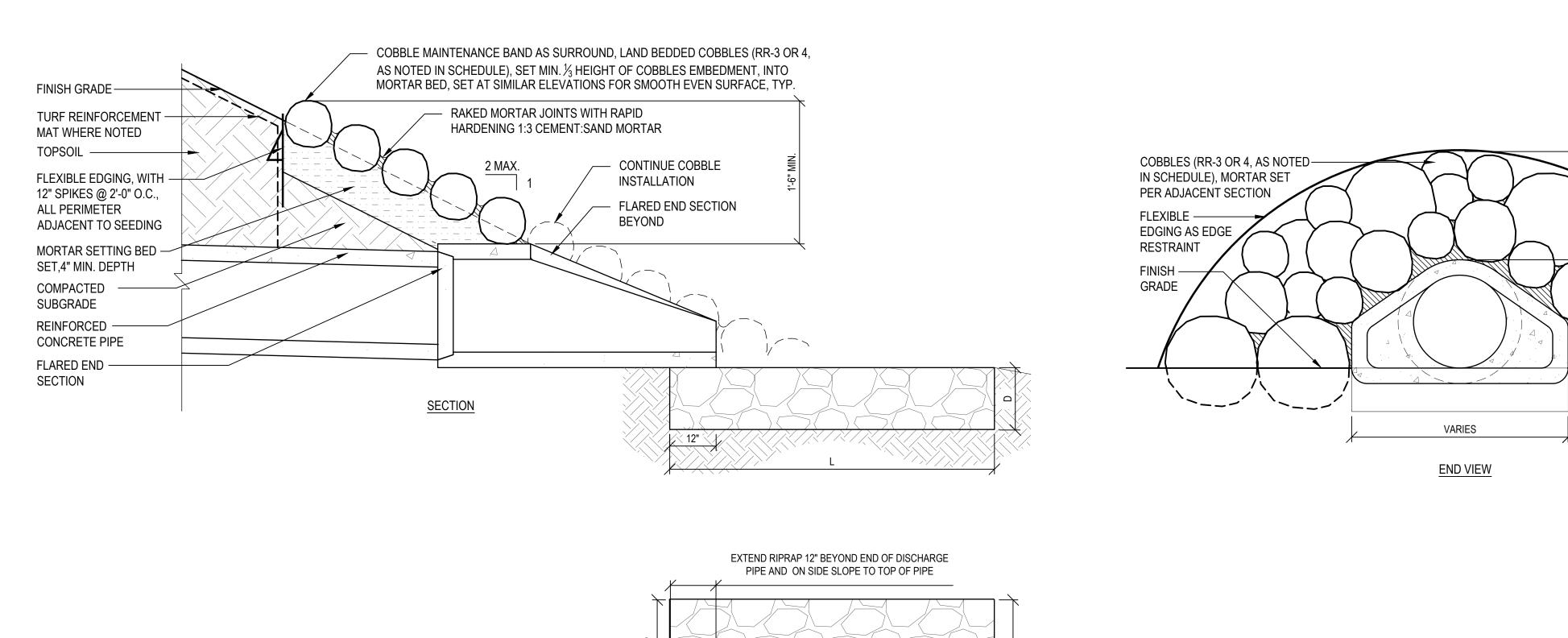


(LAY ON MEMBRANE, PLACED IN TRENCH)

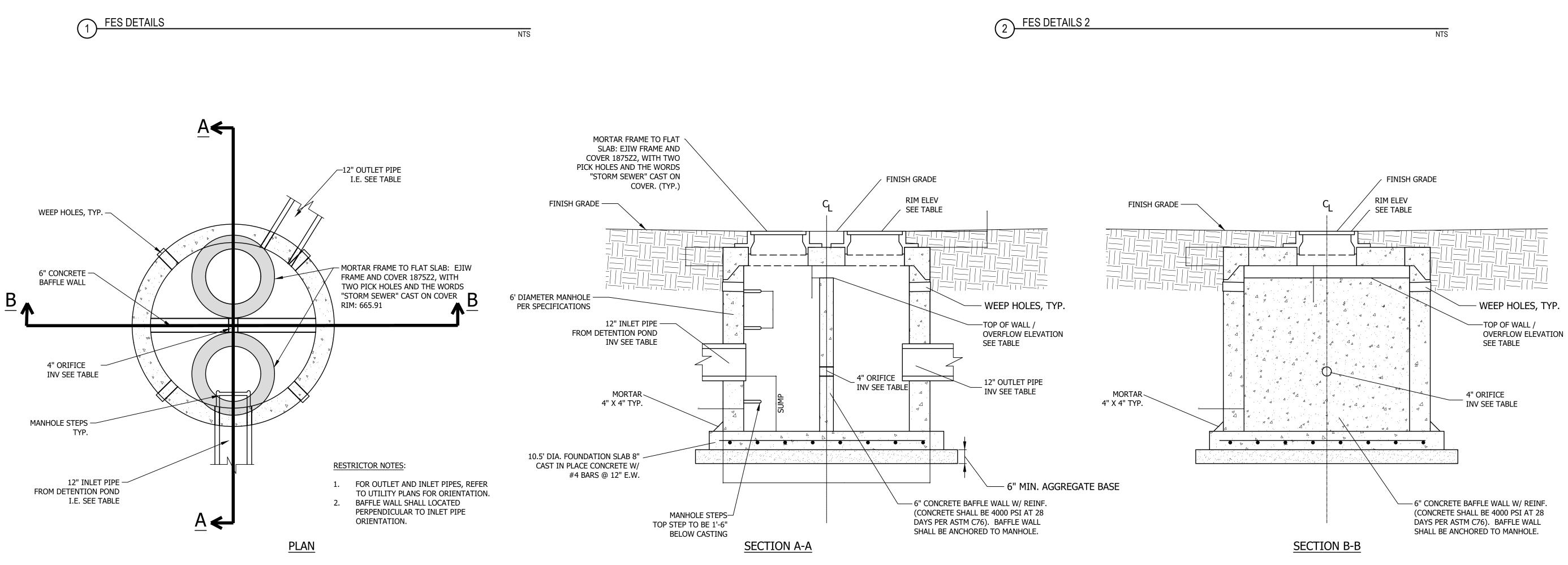
- SYNTHETIC TURF

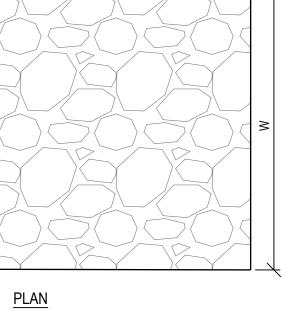
SCALE: 1 1/2" = 1'-0"\_XREF



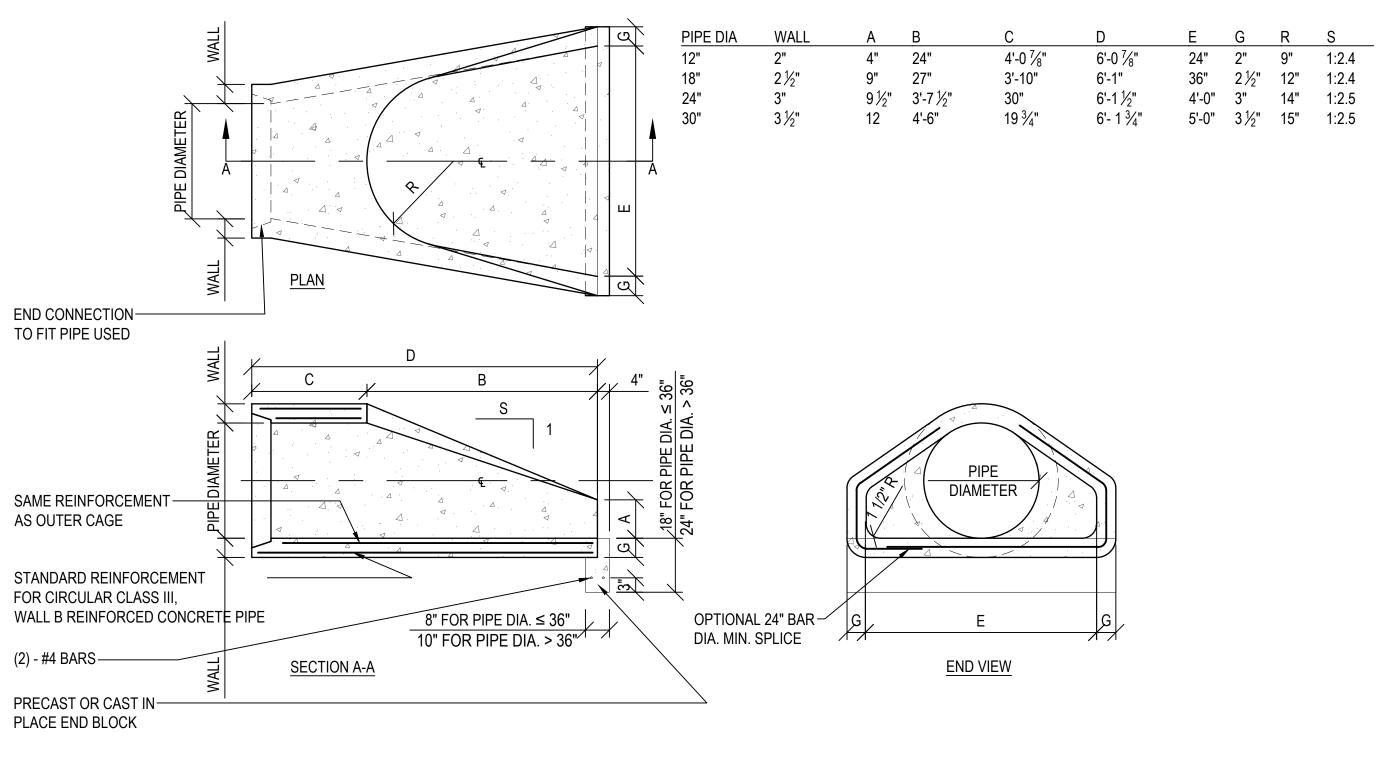


NOTES: GROUTING, MORTAR BEDDING.



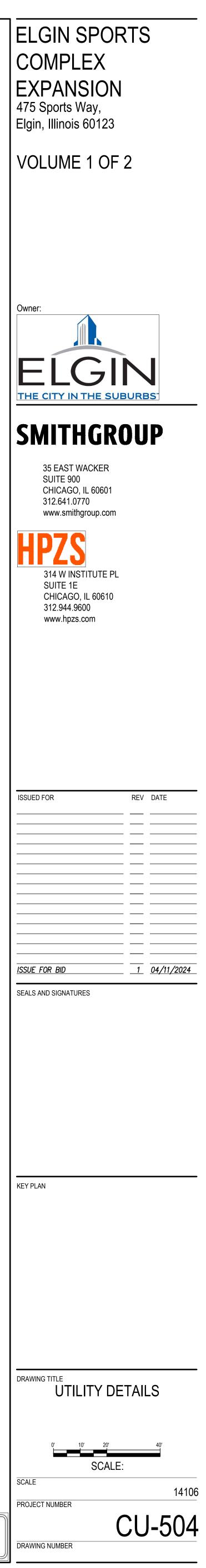


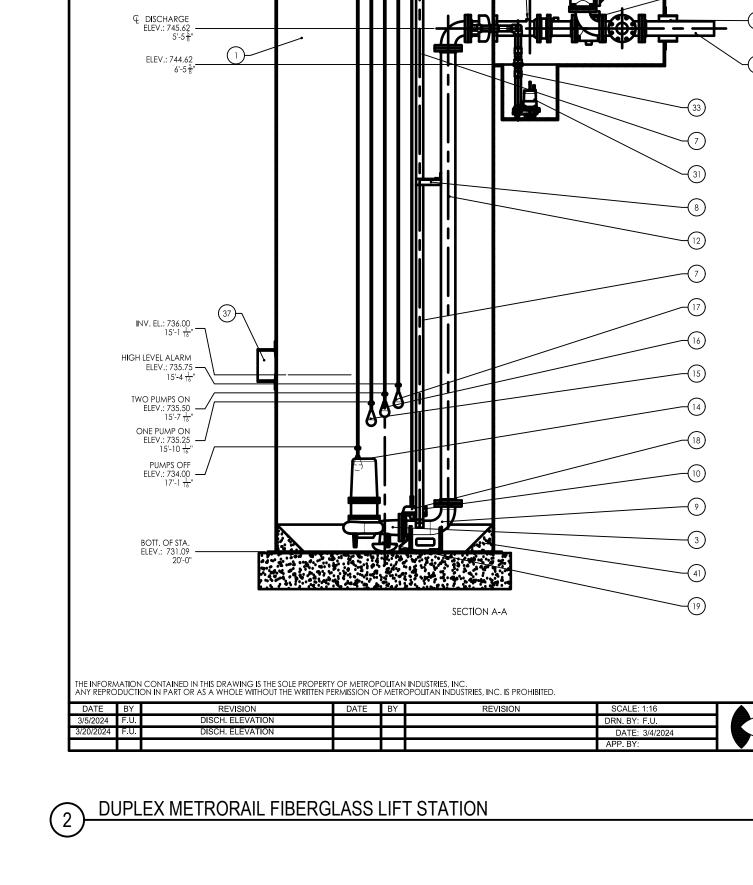
1. PROVIDE MOCKUP SHOWING ALL EDGE CONDITIONS, COBBLE 2. USE ON ALL RCP PIPE AT FLARED END SECTIONS. 3. NOT FOR USE WITH HEADWALL STRUCTURES F1 & F2.

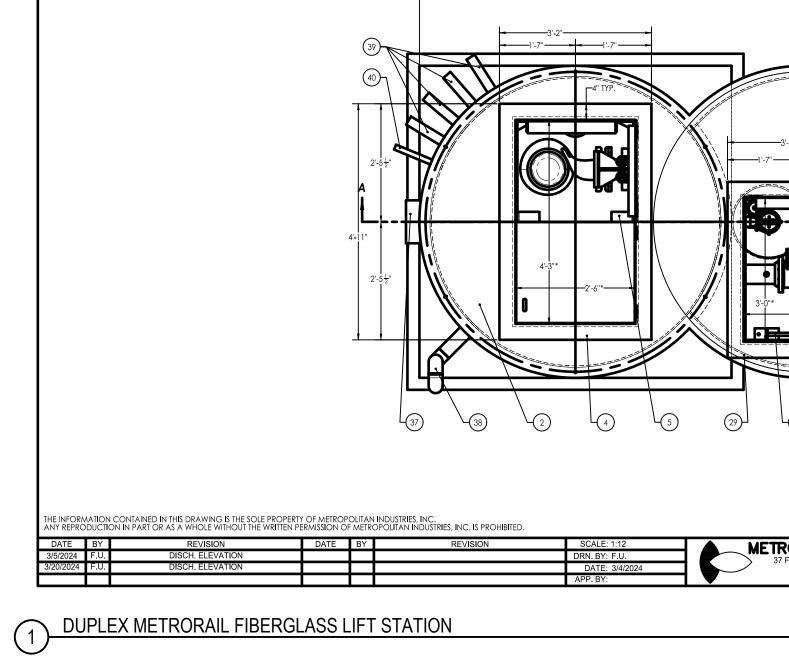


2'-0" MIN.

J.U.L.I.E. CALL 1-800-892-0123 48 Hours (2 working days) Before You Dig.







5 13 4 16 29 J

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1/4" NPT TAP FOR PRESSURE GAUGE CONNECTION, PRESSURE GAUGE BY OTHERS

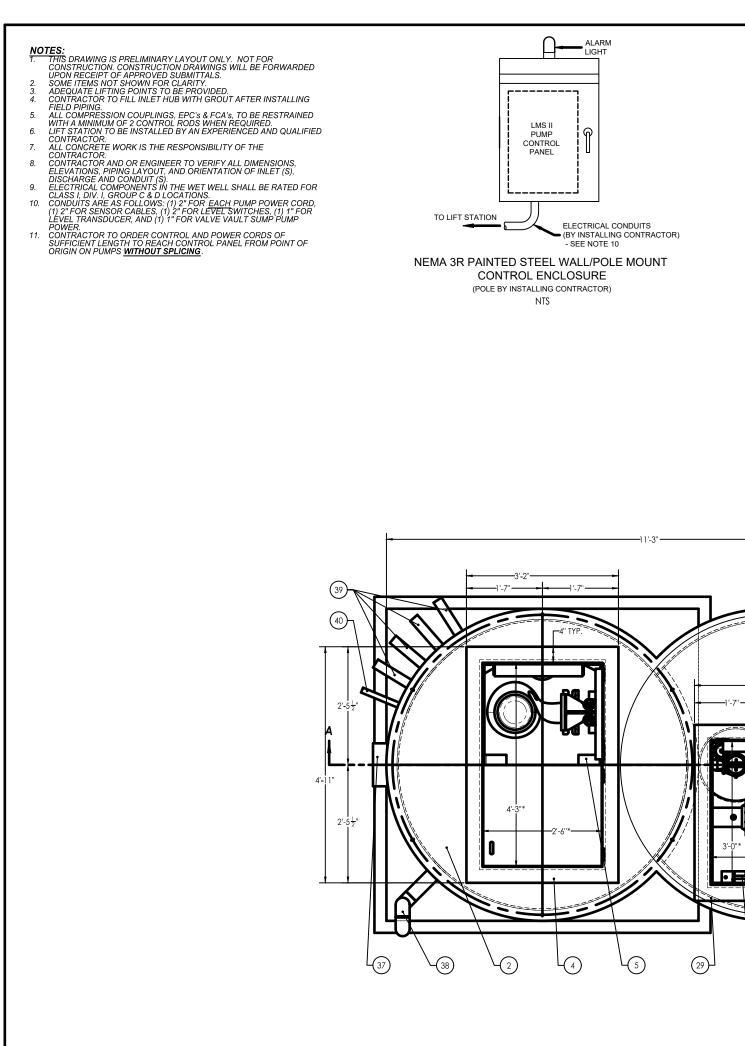
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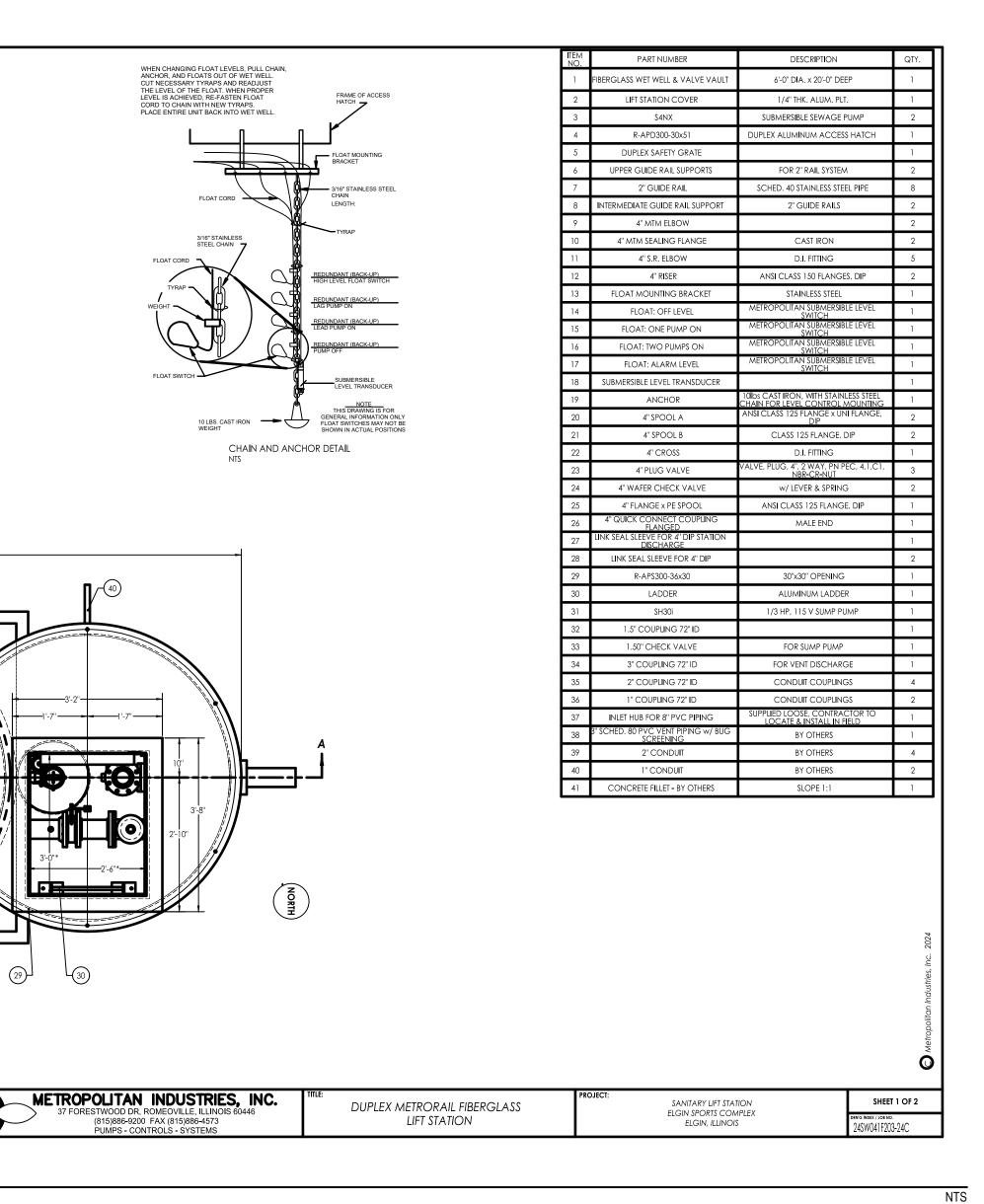
**, : - - : : - :** : :

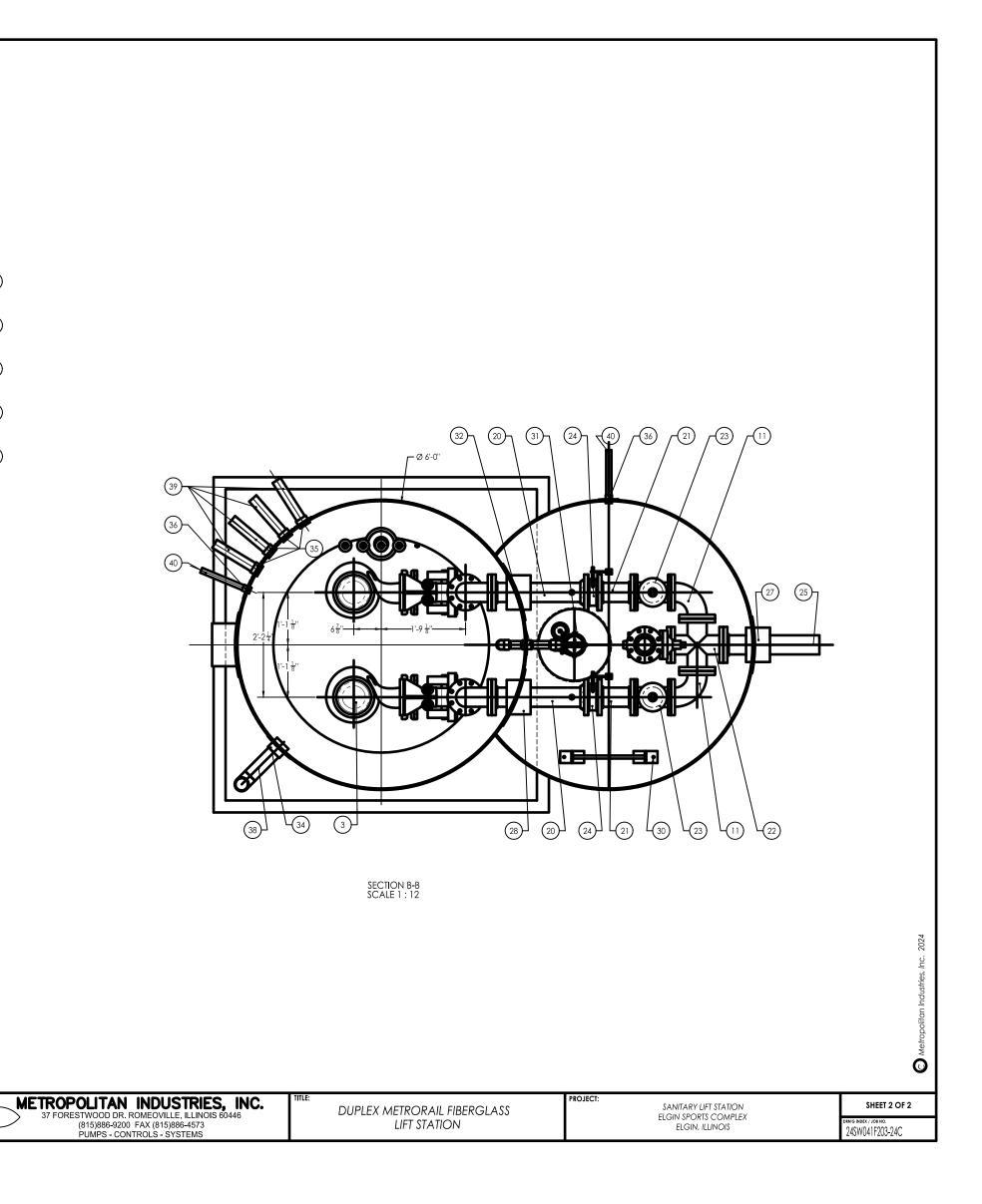
TOP OF STA. ELEV.: 751.09

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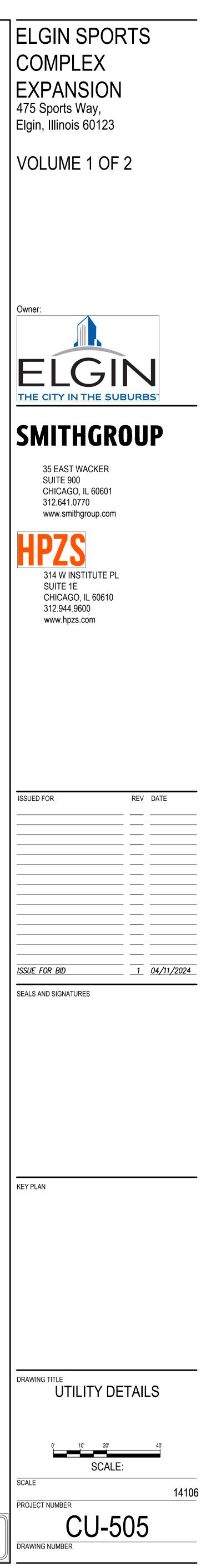


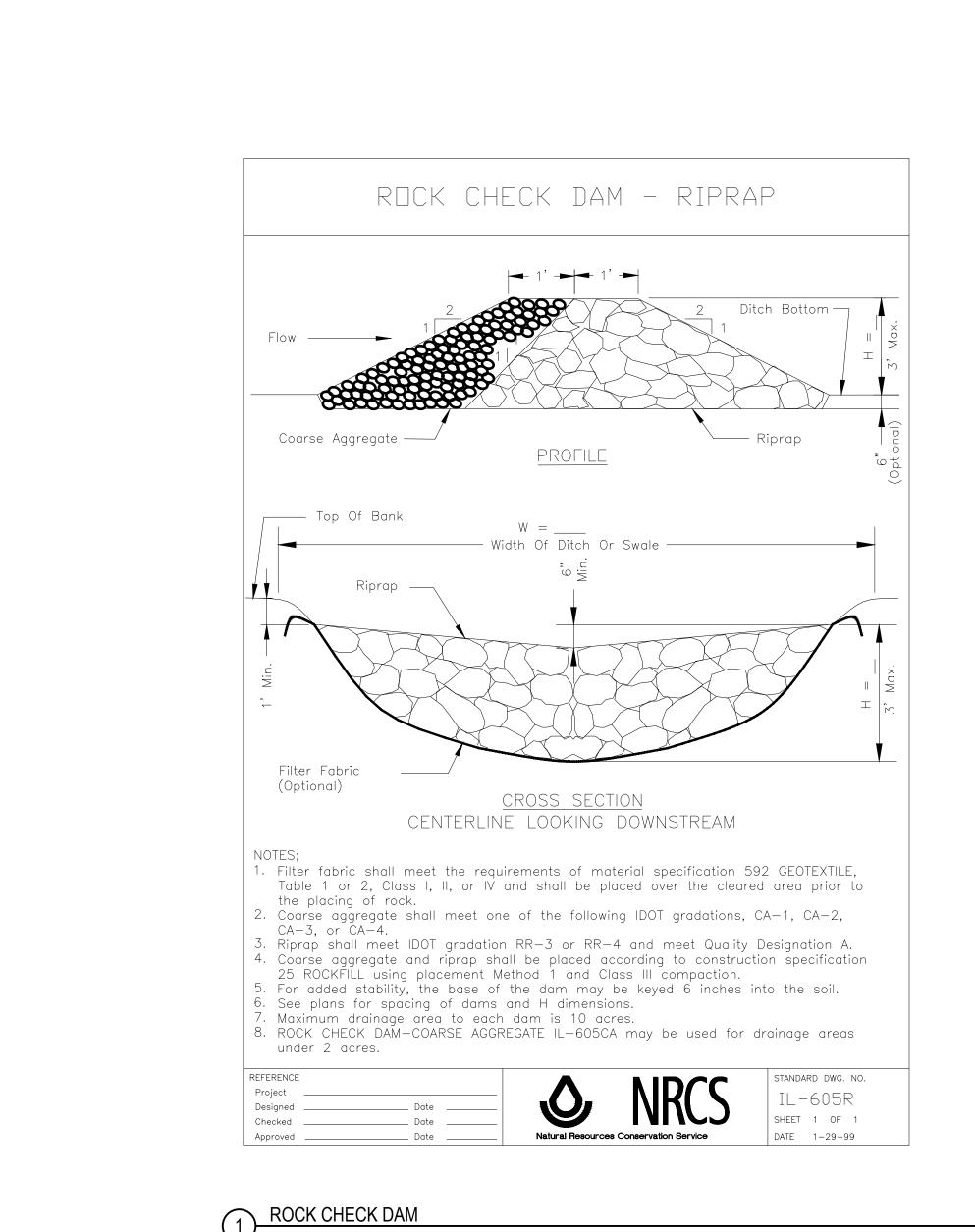


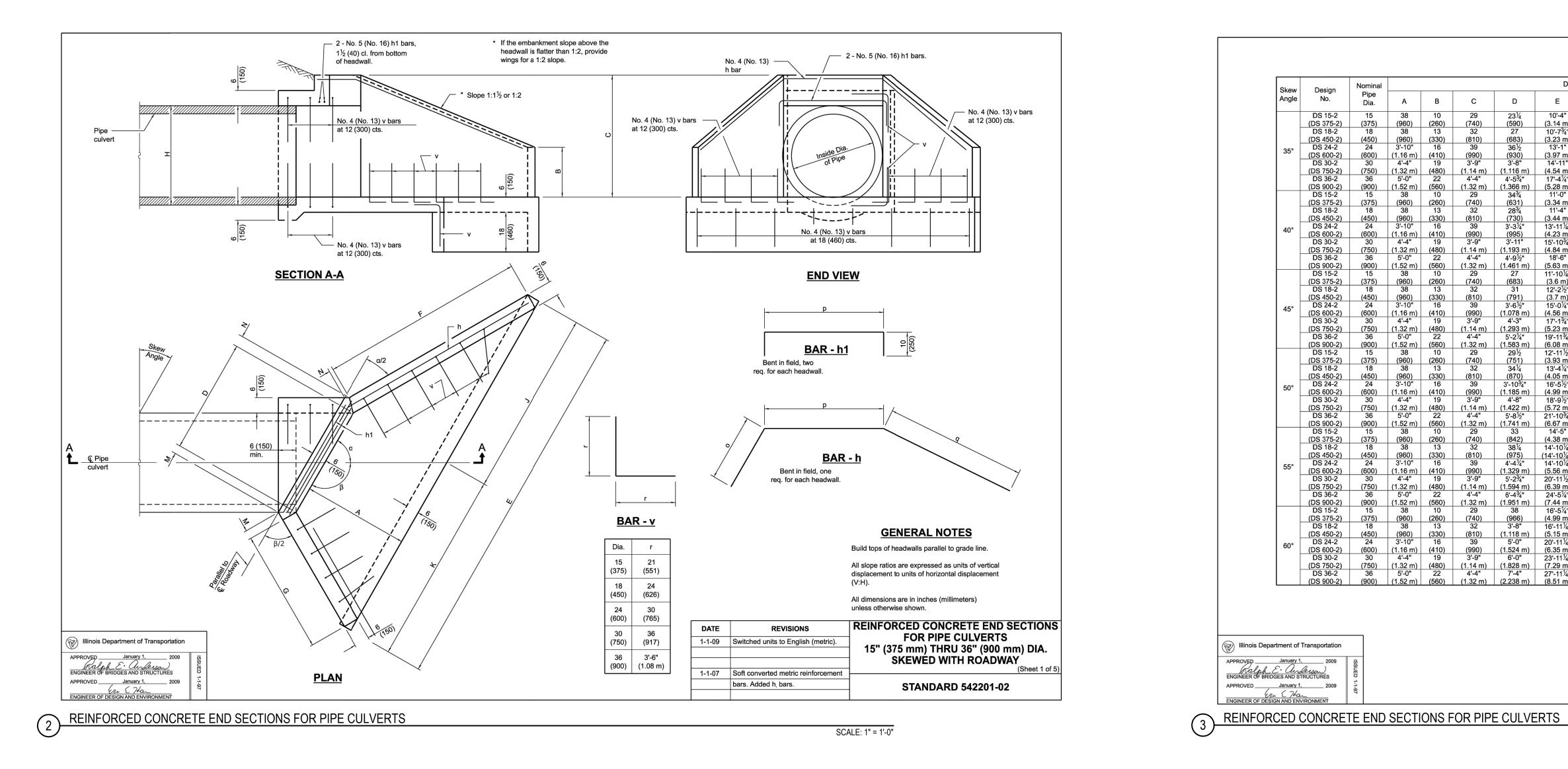


NTS









NTS



(Sheet 5 of 5)

Bars for

ſ	<b>REINFORCED CONCRETE END SECTIONS</b>
l	FOR PIPE CULVERTS
l	15" (375 mm) THRU 36" (900 mm) DIA.
l	SKEWED WITH ROADWAY

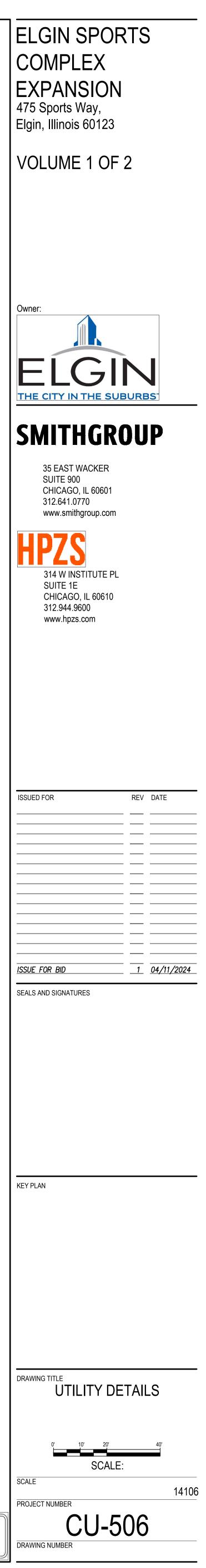
STANDARD 542201-02

SCALE: 1" = 1'-0"

Nominal	DIMENSIONS FOR CONCRETE									Concrete	Reinf. Bars - 2 End Sections						Bars for 2 End					
Pipe							_						~	2 End Sections		h -	bars		h1 -	bars	v-bars	Sections
Dia.	A	В	С	D	E	F	G	H	J	ĸ	M	N	α	yd <sup>3</sup> (m <sup>3</sup> )	0	р	a	Lgth.	q	Lgth.	No.	lbs. (kg)
15	38	10	29	231⁄4	10'-4"	6'-10¼"	3'-6¾"	19	5'-0¾"	5'-3¼"	3¾	1½		2.4	3'-11"	26	6'-11"	13'-0"	26	3'-10"		140
(375)	(960)	(260)	(740)	(590)	(3.14 m)	(2.08 m)	(1.08 m)	(485)	(1.54 m)	(1.6 m)	(90)	(40)		(1.8)	(1.13 m)	(658)	(2.09 m)		(658)	(1.17 m)	44	(63)
18	38	13	32	27	10'-7¾"	6'-10¼"	3'-6¾"	22	5'-2½"	5'-5¼"	3¾	1½		2.6	3'-11"	29	6'-11"	13'-3"	29	4'-1"	44	150
(450)	(960)	(330)	(810)	(683)	(3.23 m)	(2.08 m)	(1.09 m)	(559)	(1.58 m)	(1.65 m)	(90)			(2.0)	(1.15 m)	(750)	(2.14 m)		(750)	(1.25 m)		(68)
24 (600)	3'-10"	16 (410)	39 (990)	36½	13'-1" (2.07 m)	8'-3 <sup>1</sup> /2"	$4'-3\frac{3}{4}''$	30 (762)	6'-5 <sup>1</sup> / <sub>4</sub> "	$6'-7\frac{3}{4}''$	3 <sup>3</sup> /4	11/2		3.8	4'-8"	39	8'-4"	16'-3"	39 (1.0 m)	4'-11" (1.50 m)	52	220
30	<u>(1.16 m)</u> 4'-4"	19	3'-9"	<u>(930)</u> 3'-8"	(3.97 m) 14'-11"	(2.52 m) 9'-4½"	(1.31 m) 4'-10½"	36	<u>(1.95 m)</u> 7'-4¼"	(2.02 m) 7'-6 <sup>3</sup> / <sub>4</sub> "	(90) 3 <sup>3</sup> ⁄ <sub>4</sub>	(40) 1½	-	(2.9) 4.8	(1.37 m) 5'-4"	(1.0 m) 3'-11"	(2.56 m) 9'-6"	(4.93 m) 18'-9"	(1.0 m) 3'-11"	(1.50 m) 5'-7"		<u>(99)</u> 290
(750)	(1.32 m)	(480)	(1.14 m)	(1.116 m)	(4.54 m)	(2.86 m)	(1.49 m)	(914)	(2.24 m)	(2.3 m)	(90)	(40)		(3.7)	(1.55 m)	(1.18 m)	(2.9 m)			(1.70 m)	60	(131)
36	5'-0"	22	4'-4"	4'-5¾"	17'-4¼"	10'-10"	5'-7¾"	3'-8"	8'-6 <sup>3</sup> ⁄4"	8'-9½"	3¾	11/2		6.3	6'-1"	4'-8"	11'-0"	21'-9"	4'-8"	6'-4"	70	380
(900)	(1.52 m)	(560)	(1.32 m)	(1.366 m)	(5.28 m)	(3.29 m)	(1.72 m)	(1.119 m)	(2.61 m)	(2.67 m)	(90)	(40)	_	(4.8)	(1.78 m)	(1.43 m)	(3.34 m)		(1.43 m)	(1.93 m)	70	(171)
15	38	10	29	34¾	11'-0"	7'-6"	3'-6"	19	5'-4 <sup>1</sup> /2"	5'-7½"	33/4	11/4		2.6	3'-10"	28	7'-7"	13'-9"	28	3'-11"	48	150
(375)	(960) 38	(260) 13	(740) 32	(631) 28 <sup>3</sup> ⁄ <sub>4</sub>	(3.34 m) 11'-4"	(2.27 m) 7'-6"	(1.06 m) 3'-6"	(485) 22	<u>(1.63 m)</u> 5'-6½"	(1.71 m) 5'-9 <sup>1</sup> ⁄2"	(100) 3 <sup>3</sup> ⁄ <sub>4</sub>			(2.0) 2.8	( <u>1.1 m)</u> 3'-10"	(700) 31	(2.28 m) 7'-7"	(4.08 m) 14'-0"	(700) 31	<u>(1.19 m)</u> 4'-3"		<u>(68)</u> 160
(450)	(960)	(330)	(810)	(730)	(3.44 m)	(2.27 m)	(1.08 m)	(559)	5-6/2 (1.68 m)	(1.76 m)	(100)	1 <sup>1</sup> ⁄ <sub>4</sub> (40)	1501-	(2.1)	(1.13 m)	(798)	(2.34 m)		(798)	(1.30 m)	48	(72)
24	3'-10"	16	39	3'-3¼"	13'-11 <sup>1</sup> / <sub>4</sub> "	9'-0¾"	4'-2¾"	30	6'-10 <sup>1</sup> /4"	7'-1"	3 <sup>3</sup> / <sub>4</sub>	11/4		4.1	4'-7"	3'-6"	9'-2"	17'-3"	3'-6"	5'-2"	50	240
(600)	(1.16 m)	(410)	(990)	(995)	(4.23 m)	(2.75 m)	(1.28 m)	(762)	(2.08 m)	(2.15 m)	(100)			(3.1)	(1.34 m)	(1.07 m)	(2.79 m)	(5.2 m)	(1.07 m)	(1.58 m)	58	(108)
30	4'-4"	19	3'-9"	3'-11"	15'-10 <sup>3</sup> 4"	10'-3"	4'-9½"	36	7'-10"	8'-0¾"	3¾	11⁄4		5.2	5'-3"	4'-2"	10'-4"	19'-9"	4'-2"	5'-10"	64	310
(750)	(1.32 m)	(480)	(1.14 m)	(1.193 m)	(4.84 m)	(3.12 m)	(1.46 m)	(914)	(2.38 m)	(2.46 m)	(100)	4.	-	(4.0)	(1.52 m)	(1.26 m)	(3.17 m)			(1.78 m)	•••	(140)
36 (900)	5'-0" (1.52 m)	22 (560)	4'-4" (1.32 m)	4'-9½" (1.461 m)	18'-6" (5.63 m)	11'-10" (3.6 m)	5'-6 <sup>1</sup> ⁄4" (1.68 m)	3'-8" (1.119 m)	9'-1½" (2.78 m)	9'-4½" (2.85 m)	3 <sup>3</sup> / <sub>4</sub> (100)	1 <sup>1</sup> ⁄ <sub>4</sub> (40)		6.8 (5.2)	6'-0" (1.74 m)	5'-0" (1.53 m)	12'-0" (3.65 m)	23'-0" (6.92 m)	5'-0" (1.53 m)	6'-3" (2.03 m)	78	420 (189)
15	38	10	29	27	11'-10 <sup>1</sup> ⁄4"	8'-3¼"	3'-5 <sup>1</sup> ⁄4"	19	<u>5'-9½</u> "	6'-0¾"	4	11/4		2.8	3'-9"	29	8'-4"	14'-6"	29	4'-1"	10	150
(375)	(960)	(260)	(740)	(683)	(3.6 m)	(2.51 m)	(1.04 m)	(485)	(1.76 m)	(1.84 m)	(100)			(2.1)	(1.09 m)	(753)	(2.51 m)		(753)	(1.25 m)	48	(68)
18	38	13	32	31	12'-2 <sup>1</sup> ⁄2"	8'-3¼"	3'-5¼"	22	5'-11½"	6'-3"	4	11/4		3.1	3'-10"	34	8'-4"	15'-0"	34	4'-6"	52	180
(450)	(960)	(330)	(810)	(791)	(3.7 m)	(2.51 m)	(1.04 m)	(559)	(1.81 m)	(1.89 m)	(100)	4.	_	(2.4)	(1.11 m)	(859)	(2.58 m)		(859)	(1.37 m)	52	(81)
24	3'-10"	16	39	$3'-6\frac{1}{2}''$	15'-0 <sup>1</sup> ⁄4"	$10'-0\frac{1}{4}''$	$4'-1\frac{3}{4}''$	30	$7'-4\frac{1}{2}''$	$7'-7^{3}4''$	4	11/4		4.4	4'-6"	3'-9"	10'-0"	18'-3"	3'-9"	5'-5"	60	250
(600)	<u>(1.16 m)</u> 4'-4"	(410) 19	(990) 3'-9"	(1.078 m) 4'-3"	(4.56 m) 17'-1¾"	(3.03 m) 11'-4"	(1.26 m) 4'-8¼"	(762) 36	<u>(2.24 m)</u> 8'-5 <sup>1</sup> ⁄4"	(2.32 m) 8'-8½"	(100)	(30) 1 <sup>1</sup> ⁄ <sub>4</sub>		<u>(3.4)</u> 5.6	(1.32 m) 5'-2"	(1.15 m) 4'-5"	(3.08 m) 11'-5"	(5.55 m) 21'-0"	(1.15 m) 4'-5"	<u>(1.65 m)</u> 6'-1"		<u>(113)</u> 340
(750)	(1.32 m)	(480)	(1.14 m)	(1.293 m)	(5.23 m)	(3.45 m)	(1.43 m)	(914)	(2.57 m)	(2.66 m)	(100)			(4.3)	(1.49 m)	(1.36 m)	(3.5 m)			(1.86 m)	72	(153)
36	5'-0"	22	4'-4"	5'-2¼"	19'-11 <sup>3</sup> ⁄4"	13'-0¾"	5'-5"	3'-8"	9'-10¼"	10'-1½"	4	11/4	150	7.4	5'-11"	5'-5"	13'-2"	24'-6"	5'-5"	7'-1"	82	450
(900)	(1.52 m)	(560)	(1.32 m)	(1.583 m)	(6.08 m)	(3.97 m)	(1.65 m)	(1.119 m)	(3.0 m)	(3.08 m)	(100)	(30)	45	(5.7)	(1.71 m)	(1.65 m)	(4.02 m)			(2.16 m)	02	(203)
15	38	10	29	29½	12'-11½"	9'-3"	3'-4 <sup>1</sup> /2"	19	6'-4"	6'-7 <sup>1</sup> / <sub>2</sub> "	41/4		40°	3.1	3'-9"	32	9'-4"	15'-9"	32	4'-4"	54	170
(375)	(960)	(260) 13	(740) 32	(751) 34¼	(3.93 m) 13'-4¼"	(2.81 m) 9'-3"	(1.03 m) 3'-4½"	(485) 22	<u>(1.92 m)</u> 6'-6 <sup>1</sup> ⁄4"	(2.01 m) 6'-10"	(110) 4 <sup>1</sup> ⁄ <sub>4</sub>	(30)	_	(2.4) 3.4	<u>(1.07 m)</u> 3'-8"	(822) 37	(2.81 m) 9'-3"	(4.7 m) 16'-0"	(822) 37	<u>(1.32 m)</u> 4'-9"		<u>(77)</u> 190
(450)	(960)	(330)	(810)	(870)	(4.05 m)	(2.81 m)	(1.03 m)	(559)	(1.98 m)	(2.07 m)	(110)	-	40°	(2.6)	(1.1 m)	(939)	(2.88 m)		(939)	(1.45 m)	54	(86)
24	3'-10"	16	39	3'-10 <sup>3</sup> / <sub>4</sub> "	16'-5½"	11'-2½"	4'-1"	30	8'-1"	8'-4½"	41/4	1	40°	4.8	4'-6"	4'-1"	11'-2"	19'-9"	4'-1"	5'-9"	68	280
(600)	(1.16 m)	(410)	(990)	(1.185 m)	(4.99 m)	(3.39 m)	(1.24 m)	(762)	(2.45 m)	(2.54 m)	(110)	(30)	40	(3.7)	(1.3 m)	(1.26 m)	(3.44 m)		(1.26 m)		68	(126)
30	4'-4"	19	3'-9"	4'-8"	18'-9 <sup>1</sup> ⁄2"	12'-8"	4'-7 <sup>1</sup> /4"	36	9'-3"	9'-6 <sup>1</sup> / <sub>2</sub> "	41/4		40°	6.2	5'-1"	4'-10"	12'-9"	22'-9"	4'-10"	6'-6"	78	370
(750) 36	(1.32 m) 5'-0"	(480) 22	(1.14 m) 4'-4"	(1.422 m) 5'-8½"	(5.72 m) 21'-10¾"	(3.86 m) 14'-7½"	(1.41 m) 5'-3¾"	(914) 3'-8"	<u>(2.82 m)</u> 10'-9½"	(2.92 m) 11'-1 <sup>1</sup> ⁄4"	<u>(110)</u> 4 <sup>1</sup> ⁄ <sub>4</sub>	(30)		(4.7) 8.1	( <u>1.47 m)</u> 5'-10"	(1.49 m) 5'-11"	(3.91 m) 14'-9"	(6.87 m) 26'-6"	(1.49 m) 5'-11"	(1.98 m) 7'-7"		<u>(167)</u> 490
(900)	(1.52 m)	(560)	(1.32 m)	(1.741 m)	(6.67 m)	(4.45 m)	(1.62 m)	(1.119 m)	(3.29 m)	(3.38 m)	(110)		40°	(6.2)	(1.69 m)	(1.81 m)	(4.5 m)	(8.0 m)	(1.81 m)		90	(221)
15	38	10	29	33	14'-5"	10'-6¼"	3'-4"	19	7'-0½"	7'-4½"	41/2	1		3.4	3'-8"	36	10'-7"	17'-3"	36	4'-8"	00	180
(375)	(960)	(260)	(740)	(842)	(4.38 m)	(3.2 m)	(1.01 m)	(485)	(2.14 m)	(2.24 m)	(110)	(30)	35°	(2.6)	(1.06 m)	(914)	(3.18 m)	(5.17 m)	(914)	(1.42 m)	60	(81)
18	38	13	32	38¼	14'-10¼"	10'-6¼"	3'-4"	22	7'-3¼"	7'-7"	4½	1	35°	3.7	3'-9"	3'-5"	10'-7"	17'-9"	3'-5"	5'-1"	60	210
(450)	(960)	(330)	(810)	<u>(975)</u> 4'-4 <sup>1</sup> ⁄4"	$(14'-10^{\frac{1}{4}"})$	(3.2 m)	(1.01 m)	(559) 30	<u>(2.21 m)</u> 9'-0¼"	(2.3 m)	(110)			(2.8)	(1.08 m)	(1.05 m)	(3.27 m) 12'-9"	<u> </u>	(1.05 m)			<u>(95)</u> 300
24 (600)	3'-10" (1.16 m)	16 (410)	39 (990)	(1.329 m)	14'-10 <sup>1</sup> ⁄4" (5.56 m)	12'-9" (3.86 m)	4'-0¼" (1.22 m)	(762)	9'-0'4" (2.73 m)	9'-4" (2.83 m)	4½ (110)	(30)	35°	5.4 (4.1)	4'-5"	4'-7" (1.4 m)	1	21'-9" (6.6 m)	4'-7" (1.4 m)	6'-3" (1.91 m)	74	(135)
30	4'-4"	19	3'-9"	5'-2 <sup>3</sup> / <sub>4</sub> "	20'-11½"	14'-5"	4'-6½"	36	10'-3 <sup>3</sup> 4"						5'-1"		14'-6"			7'-2"	00	420
(750)	(1.32 m)	(480)	(1.14 m)	(1.594 m)	(6.39 m)	(4.39 m)	(1.39 m)	(914)	(3.15 m)	(3.24 m)	(110)	(30)	35°	(5.3)	(1.45 m)	(1.66 m)	(4.44 m)	(7.56 m)	(1.66 m)	(2.19 m)	88	(189)
36	5'-0"	22	4'-4"	6'-4¾"	24'-5 <sup>1</sup> ⁄4"	16'-7½"	5'-3"	3'-8"	12'-0¾"	12'-4 <sup>3</sup> ⁄4" (3.77 m) 8'-4 <sup>3</sup> ⁄4"	4½	1	35°	9.1	5'-10"	6'-7"	16'-7"	29'-0"	6'-7"	8'-3"	102	550
(900)	(1.52 m)	(560)	(1.32 m)	(1.951 m)	(7.44 m)	(5.06 m)	(1.61 m)	(1.119 m)	(3.67 m)	(3.77 m)	(110)	(30)		(7.0)		(2.02 m)			(2.02 m)			(248)
15 (375)	38 (960)	10 (260)	29 (740)	38 (966)	16'-5 <sup>1</sup> ⁄4" (4.99 m)	12'-2¾" (3.71 m)	3'-3¼" (1.0 m)	19 (485)	8'-0½" (2.44 m)	8'-4¾" (2.55 m)	4½ (120)	(20)	30°	3.9 (3.0)	3'-8"	3'-5"	12'-2"	19'-3" (5.79 m)	3'-5" (1.04 m)	5'-1" (1.55 m)	64	200 (90)
18	38	13	32	3'-8"	16'-11 <sup>1</sup> / <sub>4</sub> "	12'-2 <sup>3</sup> 4"	3'-3 <sup>1</sup> /4"	22	<u>(2.44 m)</u> 8'-3½"	8'-7%"	4%	03/		4.2	3'-8"	3'-11"	12'-2"	19'-9"	3'-11"	5'-7"		240
(450)	(960)	(330)	(810)	(1.118 m)	(5.15 m)	(3.71 m)	(1.0 m)	(559)	(2.52 m)	8'-7 <sup>3</sup> ⁄4" (2.63 m)	(120)	(20)	30°	(3.2)				(6.06 m)			70	(108)
24	3'-10"	16	39	5'-0"	20'-11 <sup>1</sup> ⁄4"	14'-9¾"	3'-11¾"	30	10'-3½"	10'-7¾"	4½ (120)	03⁄4	300	6.1	4'-5"	5'-3"	14'-10"	24'-6"	5'-3"	6'-11"	86	350
(600)	(1.16 m)	(410)	(990)	(1.524 m)	(6.35 m)	(4.48 m)	(1.2 m)	(762)	(3.12 m)	(3.23 m)	(120)	(20)		(4.7)				(7.41 m)			00	(158)
30	4'-4"	19	3'-9"	6'-0"	23'-11 <sup>1</sup> /4"	16'-9" (5.1 m)	$4'-5\frac{3}{4}''$	36	$11'-9\frac{1}{2}''$	12'-1¾" (3.7 m)	41/2		30°	7.9	5'-0"	6'-3"	16'-9"	28'-0"	6'-3"	7'-11"	100	470
(750) 36	(1.32 m) 5'-0"	(480) 22	(1.14 m) 4'-4"	(1.828 m) 7'-4"	(7.29 m) 27'-11¼"	(5.1 m) 19'-3¾"	(1.37 m) 5'-2"	(914) 3'-8"	<u>(3.59 m)</u> 13'-9½"	(3.7 m) 14'-1¾"	4%	(20) 0 <sup>3</sup> / <sub>2</sub>	+	(6.0) 10.4		(1.9 m) 7'-7"		(8.5 m) 32'-9"	(1.9 m) 7'-7"	(2,41 m) 9'-3"		(212) 620
(900)	(1.52 m)		(1.32 m)	(2.238 m)	(8.51 m)	(5.88 m)	(1.57 m)		(4.2 m)	14'-1¾" (4.31 m)	(120)	(20)	30°	(8.0)	(1.65 m)	(2.31 m)	(5.94 m)	(9.89 m)	(2.31 m)	(2.82 m)	114	(279)

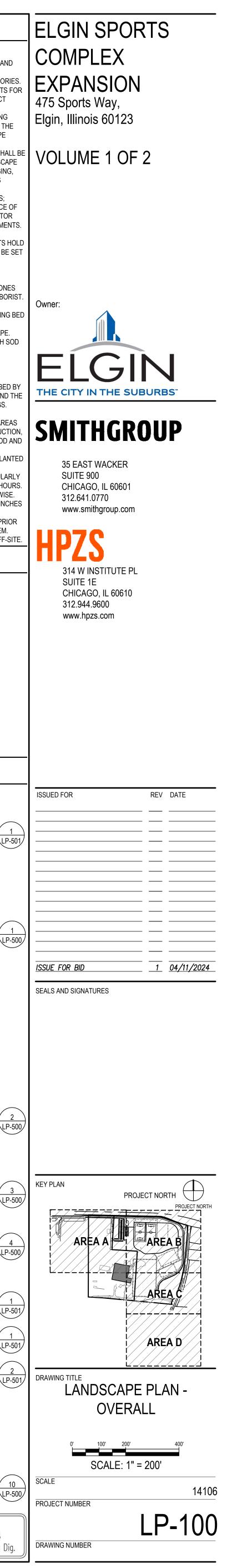
Concrete

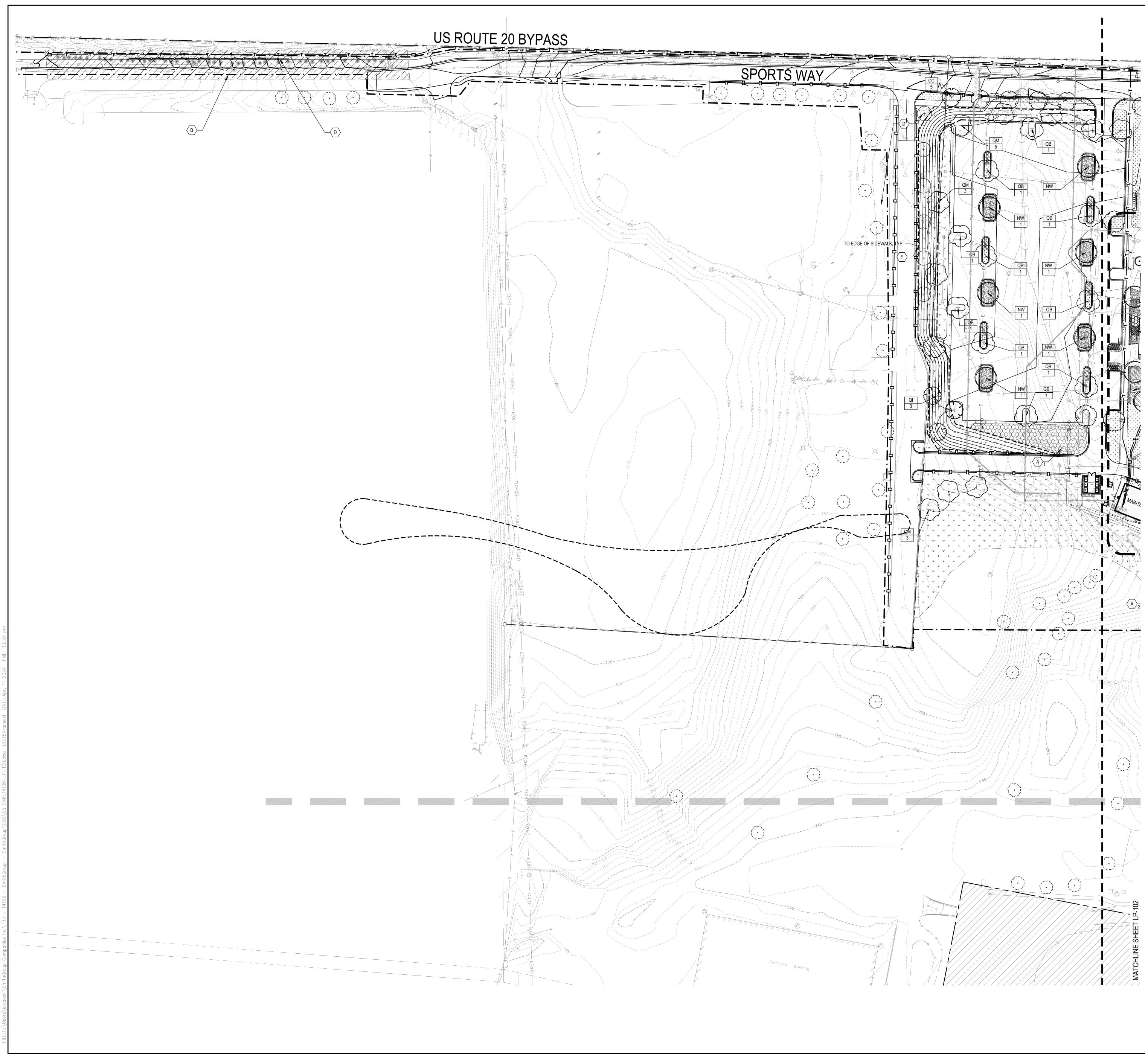
WINGS FOR 1:2 SLOPE

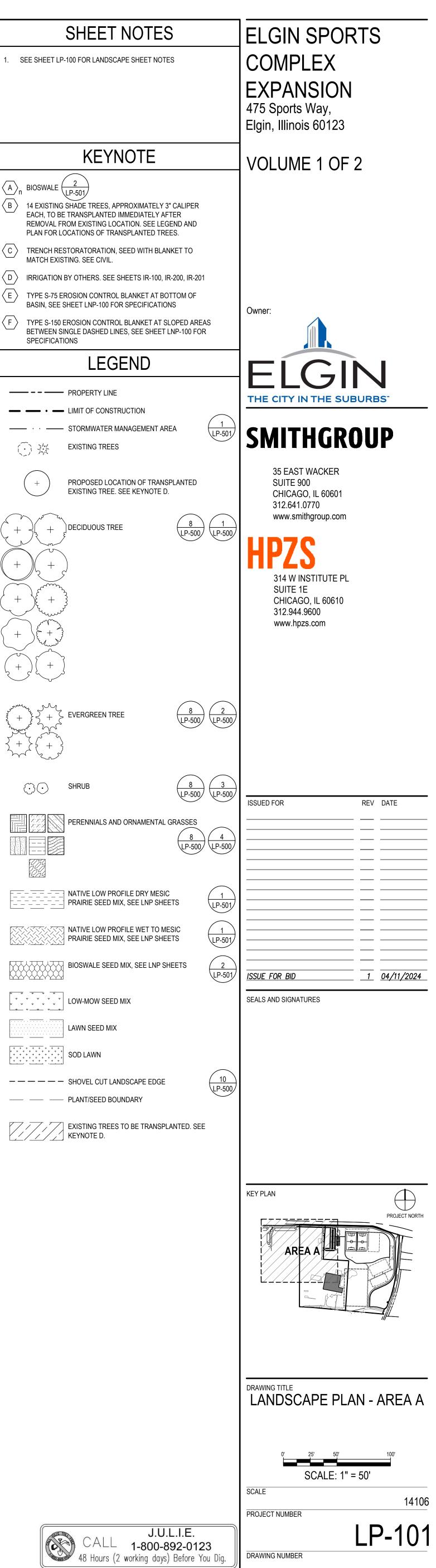


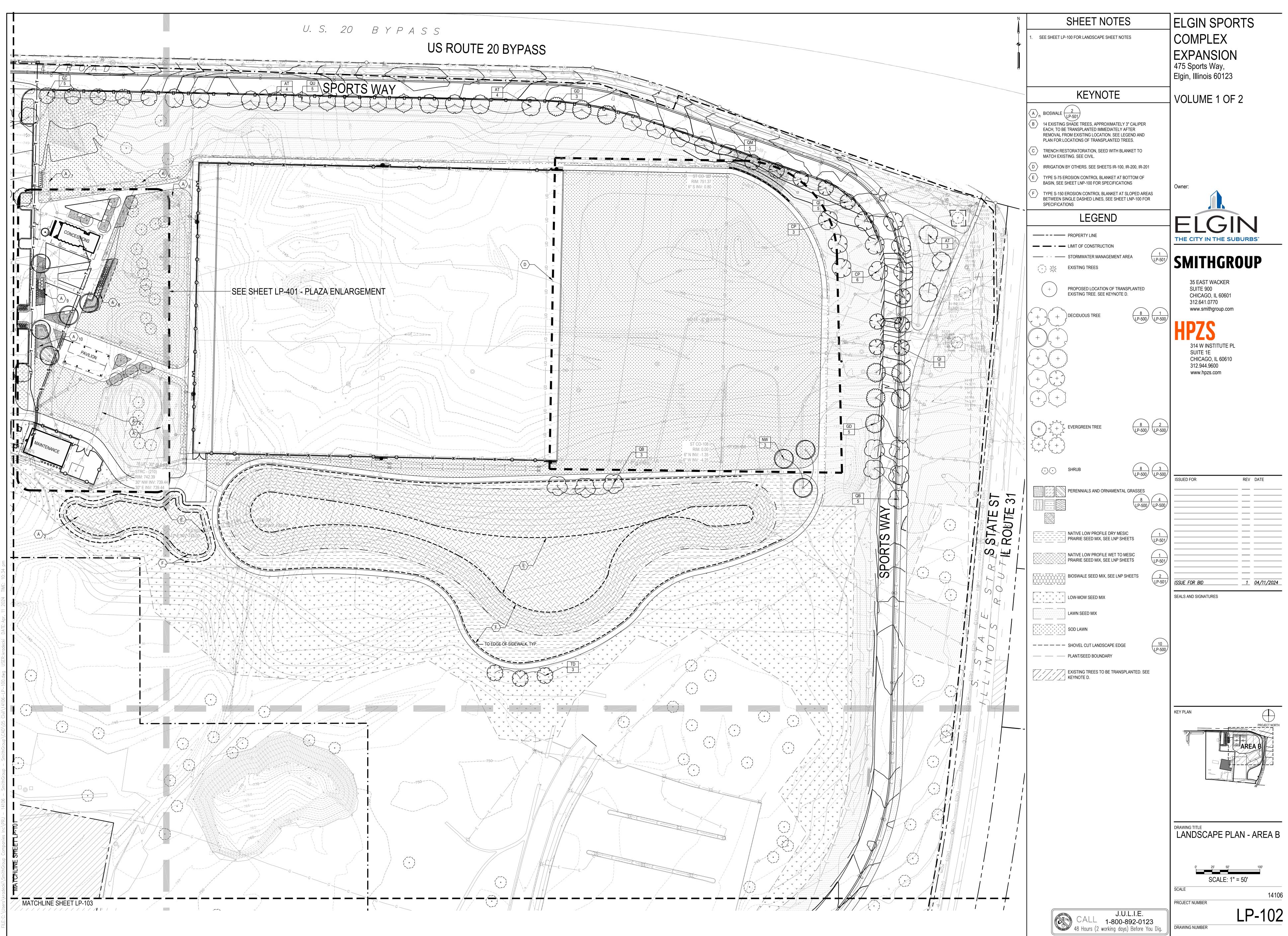


N	SHEET NOTES						
	<ol> <li>REFER TO SHEETS LP-500 AND LP-501 FOR PLANTING DETAILS AND SCHEDULES.</li> <li>CONTRACTOR TO PROVIDE ALL PLANT MATERIAL AND ACCESSORIES.</li> <li>CONTRACTOR TO PROVIDE CARE AND MAINTENANCE OF PLANTS FOR ALL PLANTS PROCURED FOR THE PROJECT PER THE CONTRACT DOCUMENTS UNTIL ESTABLISHMENT.</li> <li>CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY VERIFYING PLANT MATERIAL QUANTITIES. ANY DISCREPANCIES BETWEEN THE PLAN AND PLANT LIST SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO THE PRE-BID MEETING.</li> <li>THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT / ENGINEER IN ADVANCE OF INSTALLATION. FLAGGING, STAKES OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS.</li> <li>THE TREES ON PLAN ARE SHOWN IN APPROXIMATE LOCATIONS; LANDSCAPE ARCHITECT SHALL BE NOTIFIED 7 DAYS IN ADVANCE OF TREES BEING INSTALLED ONSITE TO FIELD LOCATE. CONTRACTOR SHALL BE PRESENT AND PROVIDE STAKES FOR FIELD ADJUSTMENTS.</li> </ol>						
	<ul> <li>LANDSCAPE ARCHITECT PRIOR TO PLANTING TREE IF TREE PITS HOLD WATER. TREES PLANTED IN SLOW DRAINING TREE PITS SHALL BE SET WITH THE TOP OF ROOT BALL 2" ABOVE FINISH GRADE.</li> <li>8. NO TREES OR SHRUBS SHALL BE PLACED WITHIN 24" OF ANY HARDSCAPE OR PAVING.</li> <li>9. ALL SOIL PLACEMENT AND PREPARATION IN CRITICAL ROOT ZONES IDENTIFIED ON PLANS TO BE OVERSEEN BY A REGISTERED ARBORIST.</li> <li>10. PROVIDE 6" MINIMUM TOPSOIL FOR ALL SOD AREAS.</li> <li>11. PROVIDE 18" MINIMUM TOPSOIL DEPTH FOR ALL SHRUB PLANTING BED AREAS, 12" FOR PERENNIALS.</li> <li>12. ALL SOD SHALL BE 1/2" BELOW FINISHED GRADE OF HARDSCAPE.</li> <li>13. REPAIR ALL DAMAGED TURF OUTSIDE THE LIMIT OF WORK WITH SOD AND 6" OF TOPSOIL.</li> <li>14. ONE YEAR PLANT WARRANTY AND ONE YEAR MAINTENANCE WARRANTY (BOTH) REQUIRED ON PROJECT.</li> <li>15. ALL TOPSOIL SHALL BE PULVERIZED.</li> <li>16. LAWN SEEDING AND SODDING APPLIES TO ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES EVEN IF ACTIVITIES EXTEND BEYOND THE</li> </ul>						
	<ul> <li>APPROXIMATED SODDING LIMITS INDICATED ON THE DRAWINGS.</li> <li>REPAIR ANY DISTURBED AREAS TO THE SAME CONDITION AS</li> <li>ORIGINALLY FOUND AND TO THE OWNER'S SATISFACTION. IN AREAS</li> <li>WHERE LAWN IS DISTURBED BEYOND THE LIMITS OF CONSTRUCTION,</li> <li>REPLACE LAWN WITH NEW LAWN SOD (INCLUDING TOPSOIL, SOD AND</li> <li>MULCH AT NO ADDITIONAL COST TO THE OWNER.</li> <li>17. UTILIZE HORTICULTURAL TREE WATERING BAGS FOR TREES PLANTED</li> <li>OUTSIDE OF IRRIGATED LANDSCAPE ZONES THROUGHOUT</li> <li>WARRANTY PERIOD. REPLENISH TREE WATERING BAGS REGULARLY</li> <li>SO THAT NONE REMAIN WITHOUT WATER FOR MORE THAN 24 HOURS.</li> <li>18. SHOVEL-CUT PLANTING BED EDGES UNLESS LABELED OTHERWISE.</li> <li>19. MULCH PLANTING BEDS PER SPECIFICATIONS. KEEP MULCH 4 INCHES</li> <li>FROM TREE TRUNKS AND SHRUB CROWNS.</li> <li>20. CONTACT "811" UNDERGROUND UTILITIES LOCATION CENTER PRIOR</li> </ul>						
	TO INSTALLATION OF PLANT MATERIAL AND IRRIGATION SYSTEM. 21. LEGALLY DISPOSE OF DEBRIS ASSOCIATED WITH PLANTING OFF-SITE.						
	Ann       BIOSWALE       2         B       14 EXISTING SHADE TREES, APPROXIMATELY 3" CALIPER EACH, TO BE TRANSPLANTED IMMEDIATELY AFTER REMOVAL FROM EXISTING LOCATION. SEE LEGEND AND PLAN FOR LOCATIONS OF TRANSPLANTED TREES.         C       TRENCH RESTORATORATION, SEED WITH BLANKET TO MATCH EXISTING. SEE CIVIL.         D       IRRIGATION BY OTHERS. SEE SHEETS IR-100, IR-200, IR-201         E       TYPE S-75 EROSION CONTROL BLANKET AT BOTTOM OF BASIN, SEE SHEET LNP-100 FOR SPECIFICATIONS						
	FTYPE S-150 EROSION CONTROL BLANKET AT SLOPED AREAS BETWEEN SINGLE DASHED LINES, SEE SHEET LNP-100 FOR SPECIFICATIONS						
	LEGEND						
	PROPERTY LINE LIMIT OF CONSTRUCTION STORMWATER MANAGEMENT AREA LIMIT OF CONSTRUCTION EXISTING TREES PROPOSED LOCATION OF TRANSPLANTED EXISTING TREE. SEE KEYNOTE D.						
	EXISTING TREE. SEE RETNOTE D. $ \begin{array}{c}  + & + \\ $						
	$\begin{cases} 3 \\ 3 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\ 4 \\$						
	$ \bigcirc \bigcirc \bigcirc \qquad SHRUB \qquad \qquad \textcircled{8} \qquad \textcircled{3} \\ LP-500 \qquad \textcircled{1} \\ LP-500 \qquad \textcircled{3} \\ LP-500 \qquad \rule{3} \\ LP-500 \qquad $						
	PERENNIALS AND ORNAMENTAL GRASSES						
	Image: Descent of the sector of the secto						



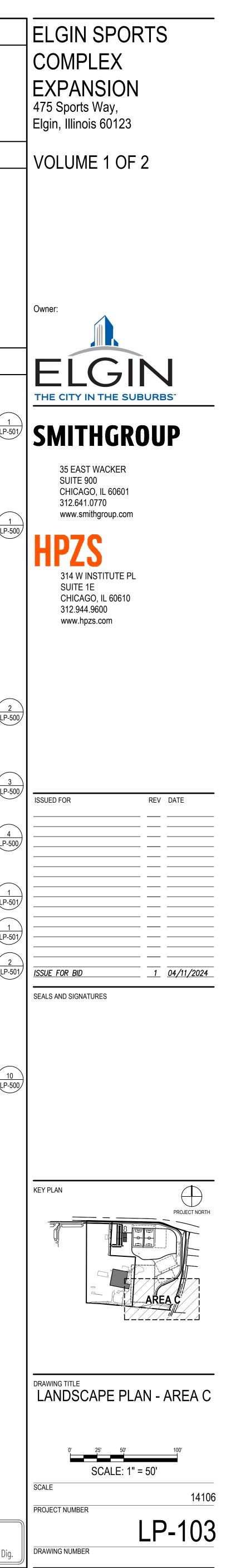


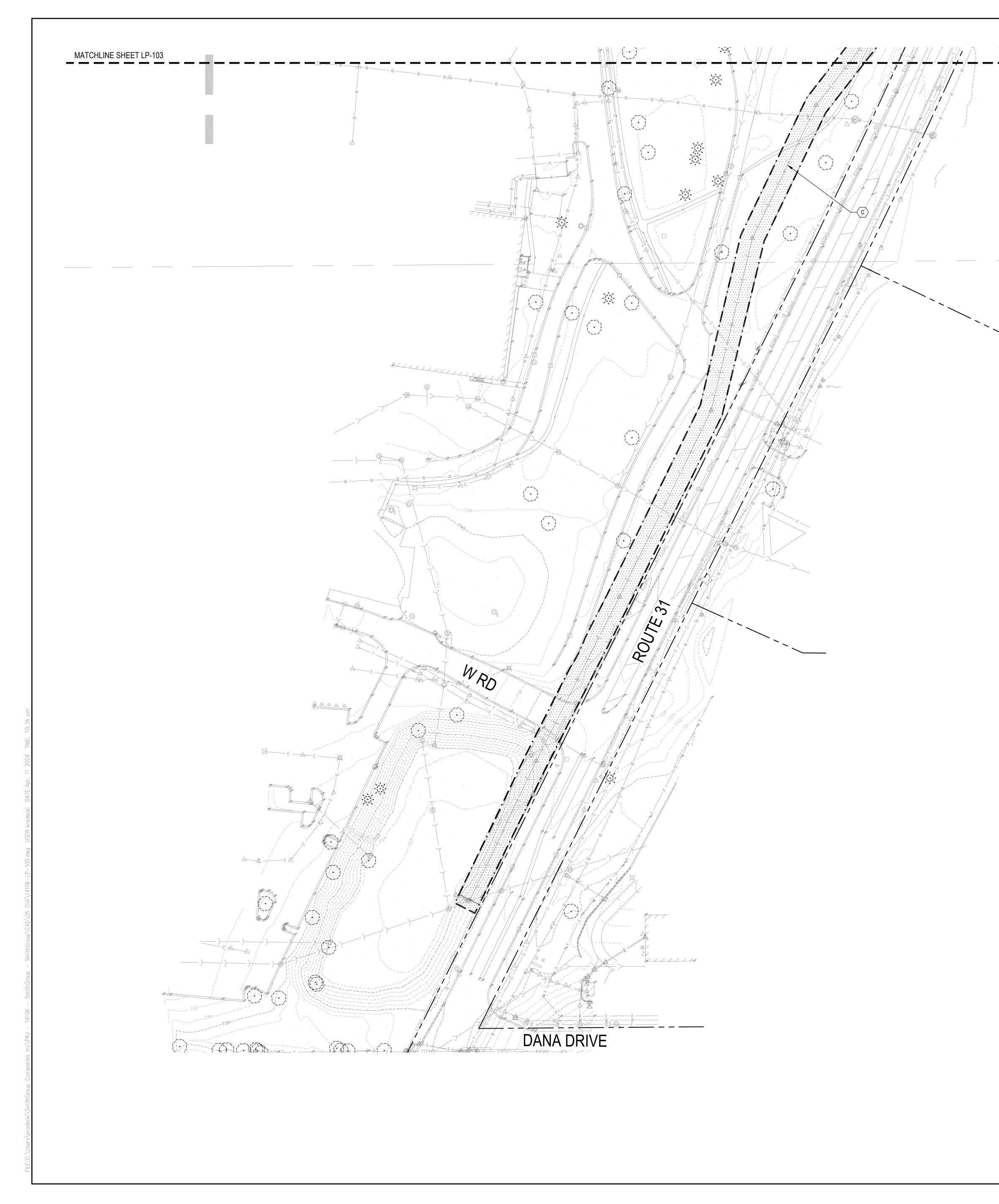




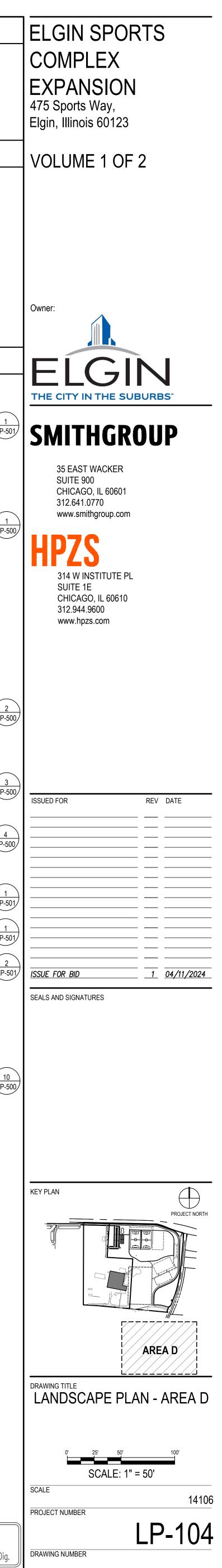


	SHEET NOTES	
1. SEE SHEET LP-	100 FOR LANDSCAPE SHEET NOTES	
/	KEYNOTE	
EACH, TO BE REMOVAL FR	2 LP-501 SHADE TREES, APPROXIMATELY 3" CALIPER TRANSPLANTED IMMEDIATELY AFTER OM EXISTING LOCATION. SEE LEGEND AND CATIONS OF TRANSPLANTED TREES.	
	TORATORATION, SEED WITH BLANKET TO ING. SEE CIVIL.	
	BY OTHERS. SEE SHEETS IR-100, IR-200, IR-201	
BASIN, SEE S	ROSION CONTROL BLANKET AT BOTTOM OF HEET LNP-100 FOR SPECIFICATIONS	
$\Lambda$ /	ROSION CONTROL BLANKET AT SLOPED AREA NGLE DASHED LINES, SEE SHEET LNP-100 FOR DNS	
	LEGEND	
	PROPERTY LINE	
<b>—</b> — · <b>—</b>		$\left( \right)$
	STORMWATER MANAGEMENT AREA	দি
+	PROPOSED LOCATION OF TRANSPLANTED EXISTING TREE. SEE KEYNOTE D.	
	DECIDUOUS TREE	(IF
$\begin{pmatrix} + \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ + $		
	EVERGREEN TREE	(IF
$\odot$ $\odot$	SHRUB	LF
	PERENNIALS AND ORNAMENTAL GRASSES	LP
	NATIVE LOW PROFILE DRY MESIC PRAIRIE SEED MIX, SEE LNP SHEETS	UP
	NATIVE LOW PROFILE WET TO MESIC PRAIRIE SEED MIX, SEE LNP SHEETS	UF
	BIOSWALE SEED MIX, SEE LNP SHEETS	
v v v v v v v v v v v v v v v v v v v	LOW-MOW SEED MIX	
	LAWN SEED MIX	
$\begin{array}{c} + & + & + & + & + & + & + & + & + & + $	SOD LAWN	
	SHOVEL CUT LANDSCAPE EDGE	
	PLANT/SEED BOUNDARY	<
	EXISTING TREES TO BE TRANSPLANTED. SEE KEYNOTE D.	





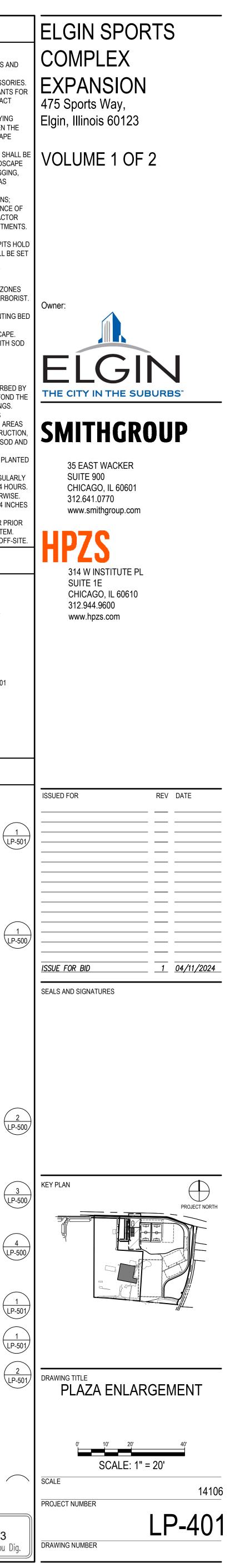
	N		SHEET NOTE	ES	
 		1. SEE SHEET	LP-100 FOR LANDSCAPE SHEET N	OTES	
			KEYNOTE		
		EACH, TO	E 2 LP-501 NG SHADE TREES, APPROXIMATEL BE TRANSPLANTED IMMEDIATELY . FROM EXISTING LOCATION. SEE I	′ AFTER	
		C TRENCH F MATCH E	R LOCATIONS OF TRANSPLANTED T RESTORATORATION, SEED WITH B XISTING. SEE CIVIL.		
		E TYPE S-75	DN BY OTHERS. SEE SHEETS IR-10 5 EROSION CONTROL BLANKET AT	BOTTOM OF	1
		F TYPE S-15 BETWEEN	E SHEET LNP-100 FOR SPECIFICA 50 EROSION CONTROL BLANKET A I SINGLE DASHED LINES, SEE SHE	T SLOPED ARE	
		SPECIFIC			
			- PROPERTY LINE		
			<ul> <li>LIMIT OF CONSTRUCTION</li> <li>STORMWATER MANAGEMENT EXISTING TREES</li> </ul>	AREA	1 LP-501
		+	PROPOSED LOCATION OF TRA EXISTING TREE. SEE KEYNOTI		
			DECIDUOUS TREE	8 LP-500	) (1 LP-500
			C EVERGREEN TREE	8 LP-500	) (2 LP-500
		$\odot$ $\odot$	SHRUB	8 LP-500	) ( <u>3</u> LP-500
			PERENNIALS AND ORNAMENT	AL GRASSES	4 LP-500
			ATIVE LOW PROFILE DRY ME		1 LP-50
			NATIVE LOW PROFILE WET TO PRAIRIE SEED MIX, SEE LNP S		(1) (LP-50)
			BIOSWALE SEED MIX, SEE LNF	? SHEETS	2 LP-50
			* LOW-MOW SEED MIX		
			LAWN SEED MIX		
			SOD LAWN		$\frown$
			<ul> <li>SHOVEL CUT LANDSCAPE EDG</li> <li>PLANT/SEED BOUNDARY</li> </ul>	Æ	(10) LP-500
			EXISTING TREES TO BE TRANS	SPLANTED. SEE	Ξ

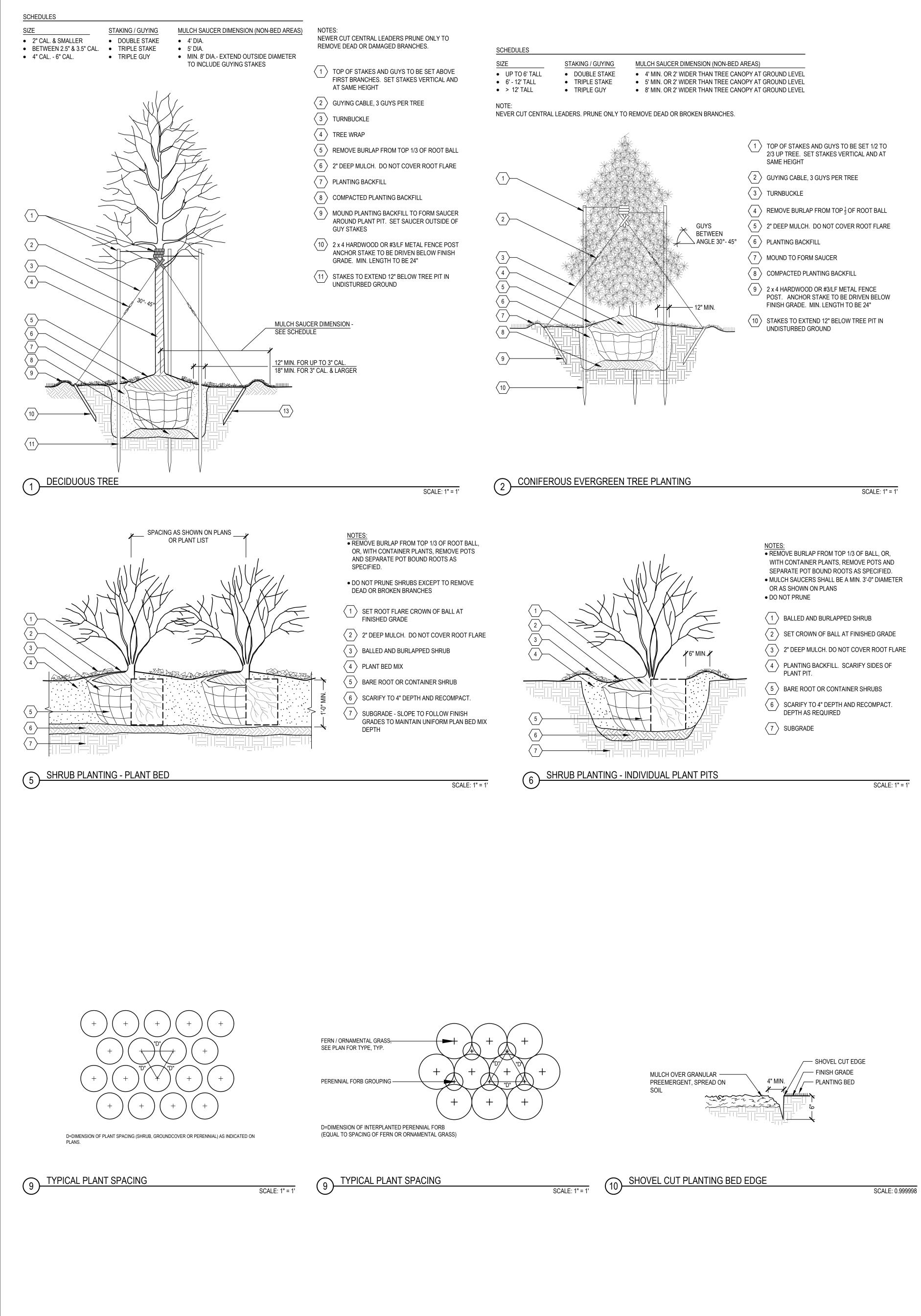


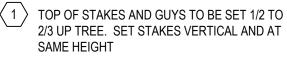




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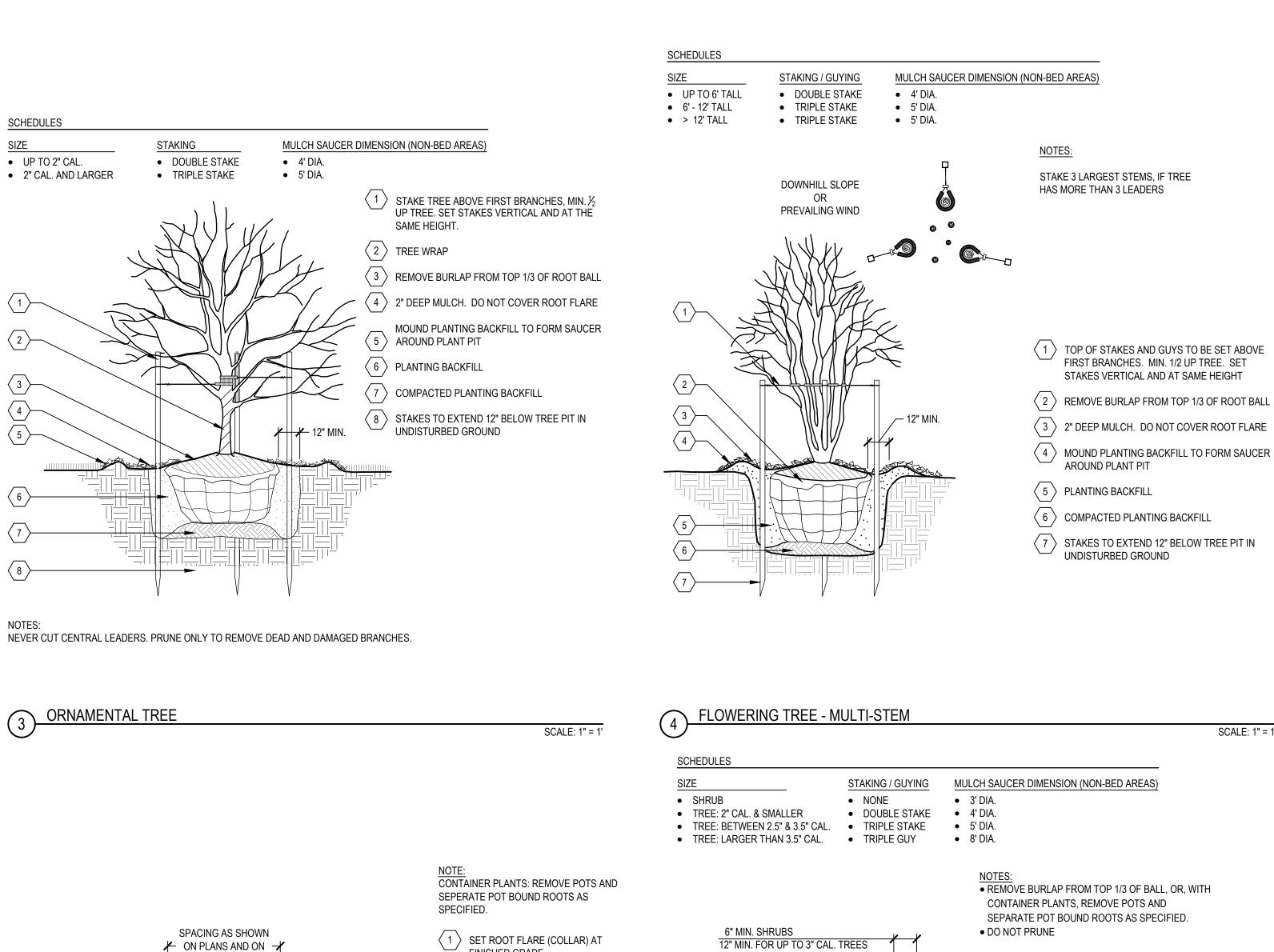


- $\langle 4 \rangle$  REMOVE BURLAP FROM TOP  $\frac{1}{3}$  OF ROOT BALL
- $\langle 5 \rangle$  2" DEEP MULCH. DO NOT COVER ROOT FLARE

- POST. ANCHOR STAKE TO BE DRIVEN BELOW FINISH GRADE. MIN. LENGTH TO BE 24"
- $\langle 10 \rangle$  STAKES TO EXTEND 12" BELOW TREE PIT IN

- WITH CONTAINER PLANTS, REMOVE POTS AND SEPARATE POT BOUND ROOTS AS SPECIFIED. • MULCH SAUCERS SHALL BE A MIN. 3'-0" DIAMETER

- 5 BARE ROOT OR CONTAINER SHRUBS



 $\langle 1 \rangle$  SET ROOT FLARE (COLLAR) AT

 $\langle 2 \rangle$  1" DEEP MULCH. DO NOT COVER

 $\langle 4 \rangle$  SCARIFY TO 4" DEPTH AND

18" MIN. FOR 3" CAL. & LARGER TREES

PLANTING ON SLOPES

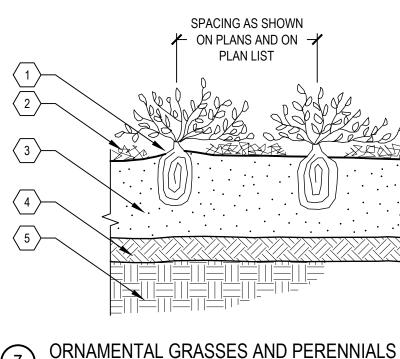
FINISHED GRADE

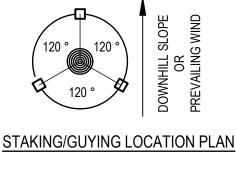
ROOT FLARE

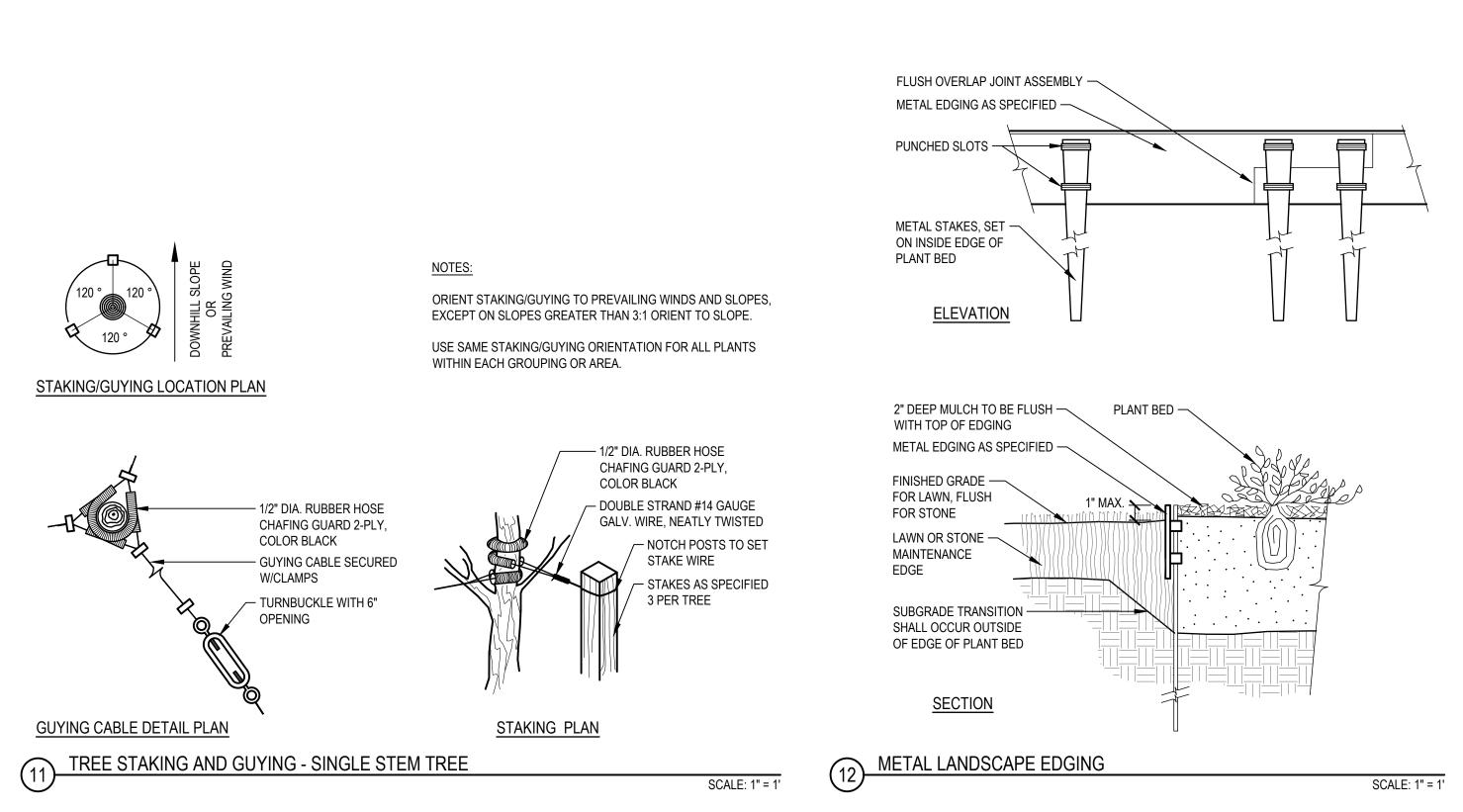
RECOMPACT

 $\langle 3 \rangle$  PLANT BED MIX

 $\langle 5 \rangle$  SUBGRADE







SCALE: 1" = 1'

 $\langle 1 \rangle$  SET ROOT FLARE COLLAR AT SLOPE LINE

4 > PLANTING BACKFILL. SCARIFY SIDES OF

 $\langle 6 \rangle$  SCARIFY TO 4" DEPTH AND RECOMPACT.

SCALE: 1" = 1'

3 BALLED AND BURLAPPED PLANT

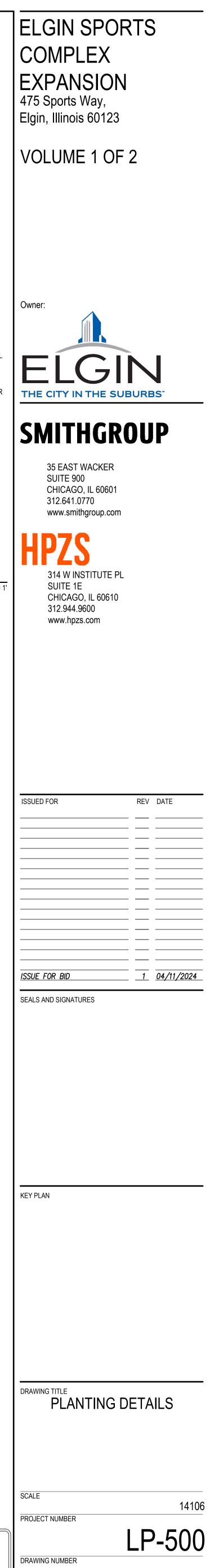
 $\langle 5 \rangle$  BARE ROOT OR CONTAINER SHRUB

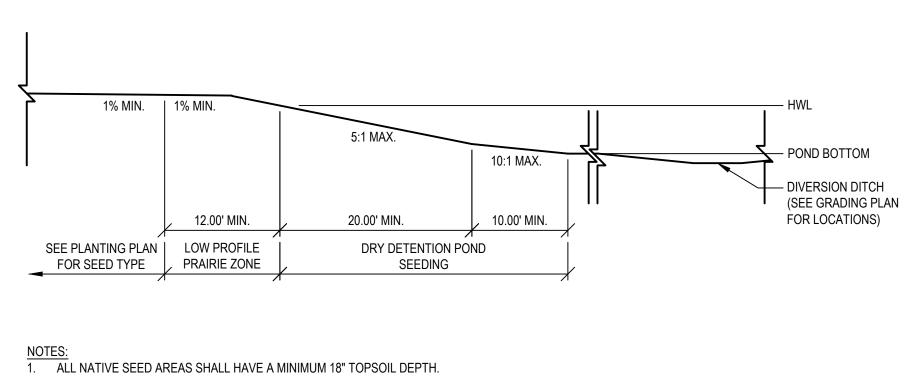
DEPTH AS REQUIRED

PLANT PIT.

7 SUBGRADE

 $\langle 2 \rangle$  2" DEEP MULCH. DO NOT COVER ROOT FLARE





2. ALL SLOPES 5:1 OR GREATER SHALL RECEIVE EROSION CONTROL BLANKET.

BLANKET SHALL EXTEND A MINIMUM OF 3' BEYOND LIMITS OF 5:1 SLOPES. 3. OVERLAP SEEDING ZONES ABOVE NWL BY 1'-0"

- 4. SEE GRADING PLANS FOR SLOPES. 5. SEE LNP SHEETS FOR SEED MIXES.
- 1 DRY BOTTOM DETENTION BASIN

SYMBOL	CODE		BOTANICAL / COMMON NAME	SIZE	FORM		REMARKS
<u>EVERGREE</u> ک <sup>و</sup> کر	EN TREE	:S	1				
	TD	3	TAXODIUM DISTICHUM / BALD CYPRESS	10 - 12` HT.	B&B		
SHADE TRI	EES	1	1	1		1	1
+	AT	14	ACER SACCHARUM 'GREEN MOUNTAIN' / GREEN MOUNTAIN SUGAR MAPLE	3" CAL.	B&B		
+	сс	10	CARPINUS CAROLINIANA / AMERICAN HORNBEAM	3" CAL.	B&B		SINGLE STEM
$\left(\begin{array}{c} + \\ + \end{array}\right)$	СР	9	CELTIS OCCIDENTALIS 'PRAIRIE PRIDE' / PRAIRIE PRIDE HACKBERRY	3" CAL.	B&B		
	GD	8	GYMNOCLADUS DIOICA 'ESPRESSO' / KENTUCKY COFFEETREE	3" CAL.	B&B		
(+)	NW	14	NYSSA SYLVATICA 'WILDFIRE' / WILDFIRE TUPELO	3" CAL.	B&B		
+	QB	26	QUERCUS BICOLOR / SWAMP WHITE OAK	3" CAL.	B&B		
(+)	QI	13	QUERCUS IMBRICARIA / SHINGLE OAK	3" CAL.	B&B		
+	QM	16	QUERCUS MACROCARPA / BURR OAK	3" CAL.	B&B		
	QU	5	QUERCUS MUEHLENBERGII / CHINKAPIN OAK	3" CAL.	B&B		
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	FORM	SPACING	REMARKS
SHRUBS		44		μг		CO!!	
<u> </u>	AM	14	ARONIA MELANOCARPA / BLACK CHOKEBERRY	#5		60" o.c.	
<u>()</u>	CS	9	CEPHALANTHUS OCCIDENTALIS 'SMCOSS' / SUGAR SHACK® BUTTONBUSH	#5		36" o.c.	
<u> </u>	IL	37	ITEA VIRGINICA 'LITTLE HENRY' / LITTLE HENRY VIRGINIA SWEETSPIRE	#5		36" o.c.	
	IV	21	ITEA VIRGINICA 'MORTON' / SCARLET BEAUTY VIRGINIA SWEETSPIRE	#5		36" o.c.	
GRASSES		1	1	1		1	1
	CAR	177	CAREX STRICTA / TUSSOCK SEDGE	#3		18" o.c.	
	CHL	148	CHASMANTHIUM LATIFOLIUM / NORTHERN SEA OATS	#3		18" o.c.	
	SCO	126	SCHIZACHYRIUM SCOPARIUM / LITTLE BLUESTEM	#3		24" o.c.	
	SSA	319	SESLERIA AUTUMNALIS / AUTUMN MOOR GRASS	#3		18" o.c.	
PERENNIA	LS	1		1		1	1
	ALC	151	ALLIUM X 'CHIVETTE' / CHIVETTE ALLIUM	#3		18" o.c.	
× × × × × × × × ×	ASC	54	ASCLEPIAS INCARNATA / SWAMP MILKWEED	#3		18" o.c.	
<u> </u>	ASD	57	ASTER DIVARICATUS / WHITE WOOD ASTER	#3		18" o.c.	
	CLG	67	CHELONE GLABRA / WHITE TURTLEHEAD	#3		18" o.c.	
	MON	177	MONARDA DIDYMA / BEE BALM	#3		18" o.c.	
	RGL	450	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	#5		60" o.c.	
_ _ _ _ _  _   _ _ _ _ _  -  _ _ _ _ _	STH	168	STACHYS OFFICINALIS 'HUMMELO' / HUMMELO BETONY			18" o.c.	
	VRL	150	VERNONIA LETTERMANNII 'IRON BUTTERFLY' / IRON BUTTERFLY IRONWEED	#3		24" o.c.	
	VNV	22	VERNONIA NOVEBORACENSIS / NEW YORK IRONWEED	#3		30" o.c.	
					1	1	1
	BIO	25,638 SF	BIOSWALE SEED MIX	SEED			LNP SHEETS
* * * * * * * * * * * * * *	LOW	221,937 SF	LOW-MOW SEED MIX	SEED			
	PRA	46,381 SF	NATIVE LOW PROFILE DRY MESIC PRAIRIE SEED MIX	SEED			LNP SHEETS
	DET	275,993 SF	NATIVE LOW PROFILE WET TO MESIC PRAIRIE SEED MIX	SEED			LNP SHEETS
· · · · · · · · · · · · · · · · · · ·	TRF	475,650 SF	SEEDED LAWN	SEED			
SOD							
* * * * * * * * *	SOD	270,130 SF	SOD LAWN				

