

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63449		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR FEDERAL AID HIGHWAY

SECTION: 08-00061-00-RS  
PROJECT: HPP-4071(001)  
JOB NO.: C-91-102-08

## ENTRYWAY TO CHILDREN'S LEARNING CENTER CAMPUS PARKING LOT

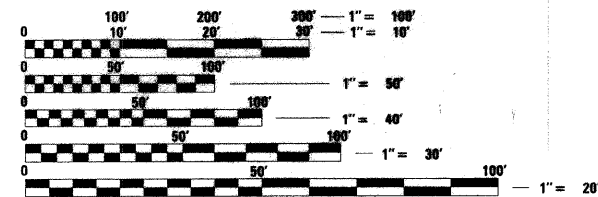
VILLAGE OF GLENCOE  
CHICAGO BOTANIC GARDEN  
COOK COUNTY

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THE PROJECT IS LOCATED  
IN THE VILLAGE OF GLENCOE

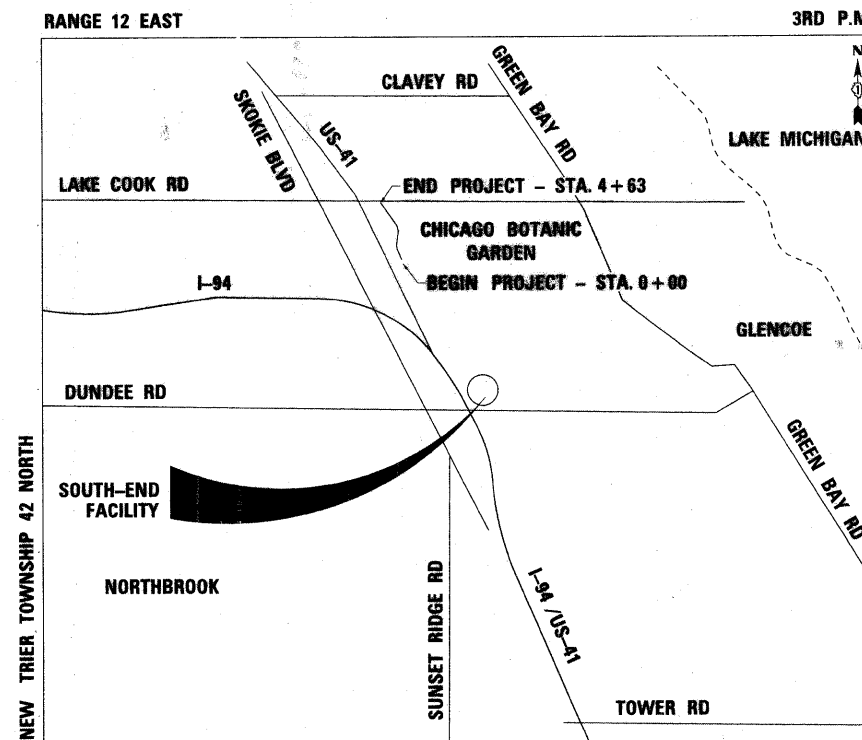
DESIGN DESIGNATION: <1000(2010) LOCAL NA (NA)  
ADT = <1000 (2010)  
DESIGN SPEED = 20 MPH  
POSTED SPEED = 15 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

CONTRACT NO. 63449



LOCATION MAP (N.T.S.)  
GROSS PROJECT LENGTH = 470 FEET  
NET PROJECT LENGTH = 470 FEET



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



*Lora L. Supenchek* 1/27/10  
ENGINEER DATE

LORA L. SUPENCHEK  
ILLINOIS REGISTRATION NO.: 062-081307  
EXPIRATION DATE: 11/30/2011



*Alexia J. Paul* 1/27/2010  
LANDSCAPE ARCHITECT DATE

ALEXIA J. PAUL  
ILLINOIS REGISTRATION NO.: 157-001038  
EXPIRATION DATE: 8/31/2011

**HNTB** 111 NORTH CANAL STREET  
SUITE 1250  
CHICAGO, IL 60606  
(312) 930-9119

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
AGENCY RESPONSIBLE FOR LETTING	
APPROVED 1/28/10 2010 <i>David C. Man</i>	VILLAGE OF GLENCOE, DIRECTOR OF PUBLIC WORKS
PASSED FEBRUARY 11 2010 <i>C. Helt</i>	DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW FEBRUARY 11, 2010	<i>Diane M. O'Keefe</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS

ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH (847) 705-1469



SUMMARY OF QUANTITIES

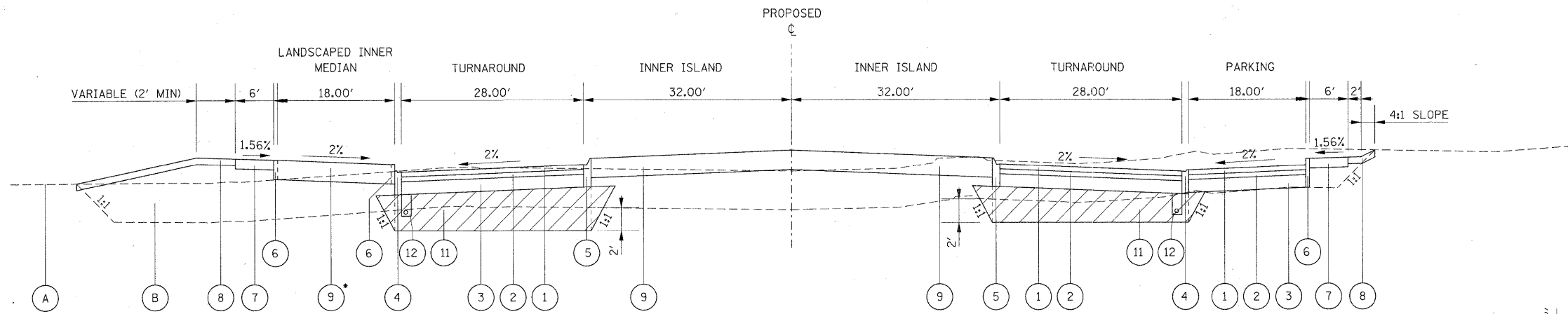
CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% LOCAL I000-2A	
* #	20101100	TREE TRUNK PROTECTION	EACH	11	11
#	20101200	TREE ROOT PRUNING	EACH	5	5
#	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	70	70
#	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	70	70
#	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	70	70
*	20200100	EARTH EXCAVATION	CU YD	2,600	2,600
*	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	4,830	4,830
*	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1,310	1,310
*	20800150	TRENCH BACKFILL	CU YD	151	151
* #	21101665	TOPSOIL FURNISH AND PLACE, 18"	SO YD	6,038	6,038
#	25000200	SEEDING, CLASS 2	ACRE	0.53	0.53
#	25200100	SODDING	SO YD	5,618	5,618
#	25400100	PERENNIAL PLANTS	UNIT	16.80	16.80
* #	25400105	PERENNIAL PLANTS	EACH	240.00	240.00
*	28000400	PERIMETER EROSION BARRIER	FOOT	814	814
*	28000510	INLET FILTERS	EACH	11	11
*	28100105	STONE RIPRAP, CLASS A3	SO YD	5	5
*	28200200	FILTER FABRIC	SO YD	5	5
*	35102400	AGGREGATE BASE COURSE, TYPE B 12"	SO YD	2,150	2,150
*	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,072	1,072
*	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	270	270
*	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	180	180
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3,585	3,585
*	42400800	DETECTABLE WARNINGS	SO FT	76	76
*	44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	82	82
*	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,972	1,972
*	48301000	PROTECTIVE COAT	SO YD	590	590
*	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
*	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	213	213
*	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	183	183
*	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	50	50
*	55100300	STORM SEWER REMOVAL 8"	FOOT	122	122
*	55100700	STORM SEWER REMOVAL 15"	FOOT	50	50
*	60107600	PIPE UNDERDRAINS 4"	FOOT	812	812
*	60108000	PIPE UNDERDRAINS 12"	FOOT	186	186
*	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2
*	60201305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 15 FRAME AND LID	EACH	2	2
*	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4
*	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2
*	60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	2	2
*	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1
*	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1
*	60500060	REMOVING INLETS	EACH	3	3
*	60600605	CONCRETE CURB, TYPE B	FOOT	532	532
*	60608250	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06	FOOT	949	949
*	60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	202	202
*	66411900	TEMPORARY FENCE	FOOT	750	750
*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
*	67100100	MOBILIZATION	L SUM	1	1
*	70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
#	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	25	25
#	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	328	328
#	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	48	48
#	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	27	27
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
* #	C2008318	SHRUB, ROSA PURPLE PAVEMENT (PURPLE PAVEMENT ROSE), 18" HEIGHT, CONTAINER	EACH	70	70
* #	K0030421	PERENNIAL PLANTS, NARCISSUS	UNIT	30.00	30.00
* #	K1004465	PERENNIAL PLANTS, BULBS	UNIT	12.00	12.00
* #	K1005875	TREE TRANSPLANT	EACH	5	5
* #	X0656300	PAVEMENT REMOVAL AND REPLACEMENT	SO YD	6	6
* #	XX000052	REMOVE EXISTING WATERMAIN	FOOT	879	879
* #	XX003885	IRRIGATION SYSTEM	L SUM	1	1

\* DENOTES SPECIAL PROVISIONS  
# DENOTES SPECIALITY ITEM

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 80% FEDERAL 20% LOCAL I000-2A	
* #	XX004998	PVC WATER MAIN 6"	FOOT	670	670
* #	XX005434	WATER SERVICE LINE, SPECIAL	FOOT	2,192	2,192
* #	XX006077	GATE VALVE AND BOX 6"	EACH	2	2
* #	XX006755	STOP VALVE 3/4" AND VALVE BOX	EACH	13	13
* #	XX007186	QUICK COUPLE	EACH	22	22
* #	XX007263	GATE VALVE WITH BOX 4"	EACH	3	3
*	XX008001	AGGREGATE PATH, 8"	SQ YD	291	291
* #	XX008185	PVC WATER MAIN 4"	FOOT	389	389
* #	XX011700	WATER MAIN FITTINGS	POUND	960	960
* #	CZC01465	SHRUB, CORNUS MAS 'DRIPPING CHERRIES' (DRIPPING CHERRIES CORNELIAN CHERRY DOG WOOD), 5-GALLON CONTAINER	EACH	254	254
* #	CZC02462	SHRUB, DIERVILLA 'COOL SPLASH' (COOL SPLASH DIERVILLA), 2 Gallon Cont.	EACH	148	148
* #	AZ008855	TREE, GYMNOCLADUS DIOICUS 'PRAIRIE TITAN' (PRAIRIE TITAN KENTUCKY COFFEETREE), 5" CALIPER, BALLED AND BURLAPPED	EACH	9	9
* #	AZ007212	TREE, QUERCUS X SCHUETTI (SCHUETTIES OAK), 7" CALIPER, BALLED AND BURLAPPED	EACH	1	1

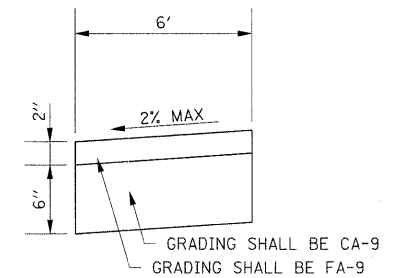
\* DENOTES SPECIAL PROVISIONS  
# DENOTES SPECIALITY ITEM



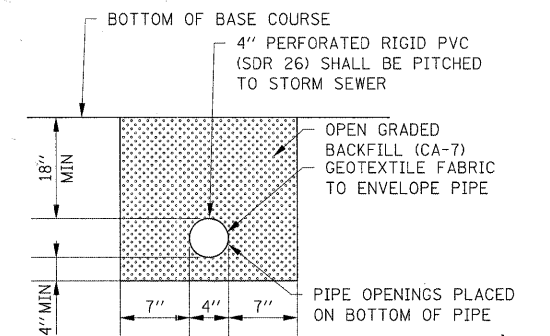
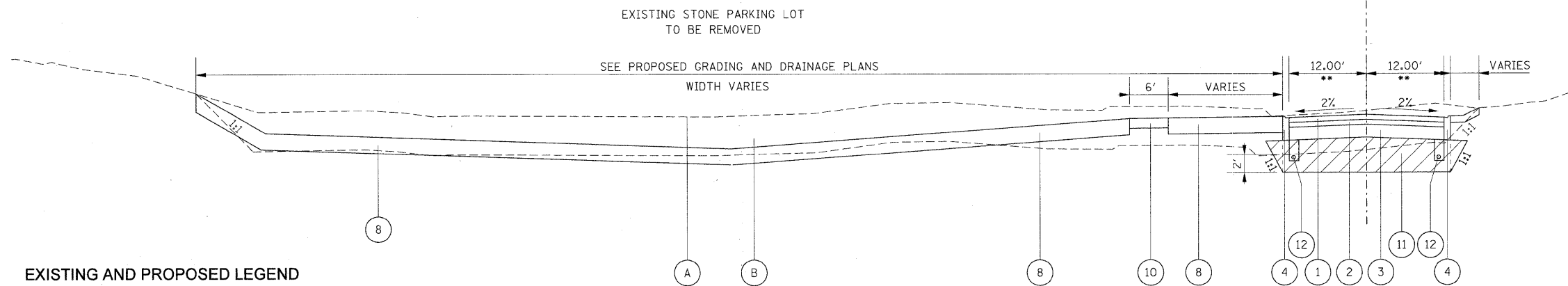
SEE NORTH-END PLAN AND PROFILE SHEET AND NORTH-END LANDSCAPING PLAN FOR LANDSCAPED INNER MEDIAN PLACEMENT.

**TURNAROUND PROPOSED TYPICAL SECTION**

STA. 2+88.79 TO STA. 4+08.80



**DETAIL A**  
AGGREGATE PATH, 8" (N.T.S.)



**DETAIL B**  
PIPE UNDERDRAIN 4" (N.T.S.)

**EXISTING AND PROPOSED LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING VARIABLE DEPTH STONE PARKING LOT TO BE REMOVED (SEE NOTE 3)
- (1) 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50
- (2) 2 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
- (3) 12" AGGREGATE BASE COURSE, TYPE B
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06
- (6) CONCRETE CURB, TYPE B
- (7) 5" PORTLAND CEMENT CONCRETE SIDEWALK
- (8) TOPSOIL FURNISH AND PLACE - 18", SODDING, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS
- (9) TOPSOIL FURNISH AND PLACE - 18"
- (10) AGGREGATE SIDEWALK, 8" (SEE DETAIL A)
- (11) POROUS GRANULAR EMBANKMENT, SUBGRADE (SEE NOTE 4)
- (12) PIPE UNDERDRAINS 4" (SEE DETAIL B)

**NOTES**

1. EXACT LOCATIONS OF THE PROPOSED SIDEWALKS ARE SHOWN ON THE PLANS.
2. REFER TO THE PROPOSED GRADING AND DRAINAGE PLAN FOR PROPOSED GRADING.
3. THE VARIABLE DEPTH (MAX 3') EXISTING STONE PARKING LOT WILL BE REMOVED AND DISPOSED OF AT THE SOUTH-END FACILITY AT DUNDEE ROAD (AT THE SOUTHERN END OF THE CHICAGO BOTANIC GARDEN).
4. AT THE LOCATIONS NOTED (UNDER TRAVEL LANES), PGE-SUBGRADE WILL BE PLACED AT A LOWER LIMIT OF 2' BELOW THE DEPTH OF THE REMOVED STONE TO A UPPER LIMIT OF THE BASE COURSE. SEE THE CROSS SECTIONS FOR ADDITIONAL INFORMATION.

**ENTRANCE DRIVE PROPOSED TYPICAL SECTION**

STA. 0+47.66 TO STA. 2+51.53

\*\* WIDTH VARIES, 12' TO 28' -- STA. 2+51.53 TO STA. 2+88.79

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS
PAVEMENT HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5MM): 1 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR

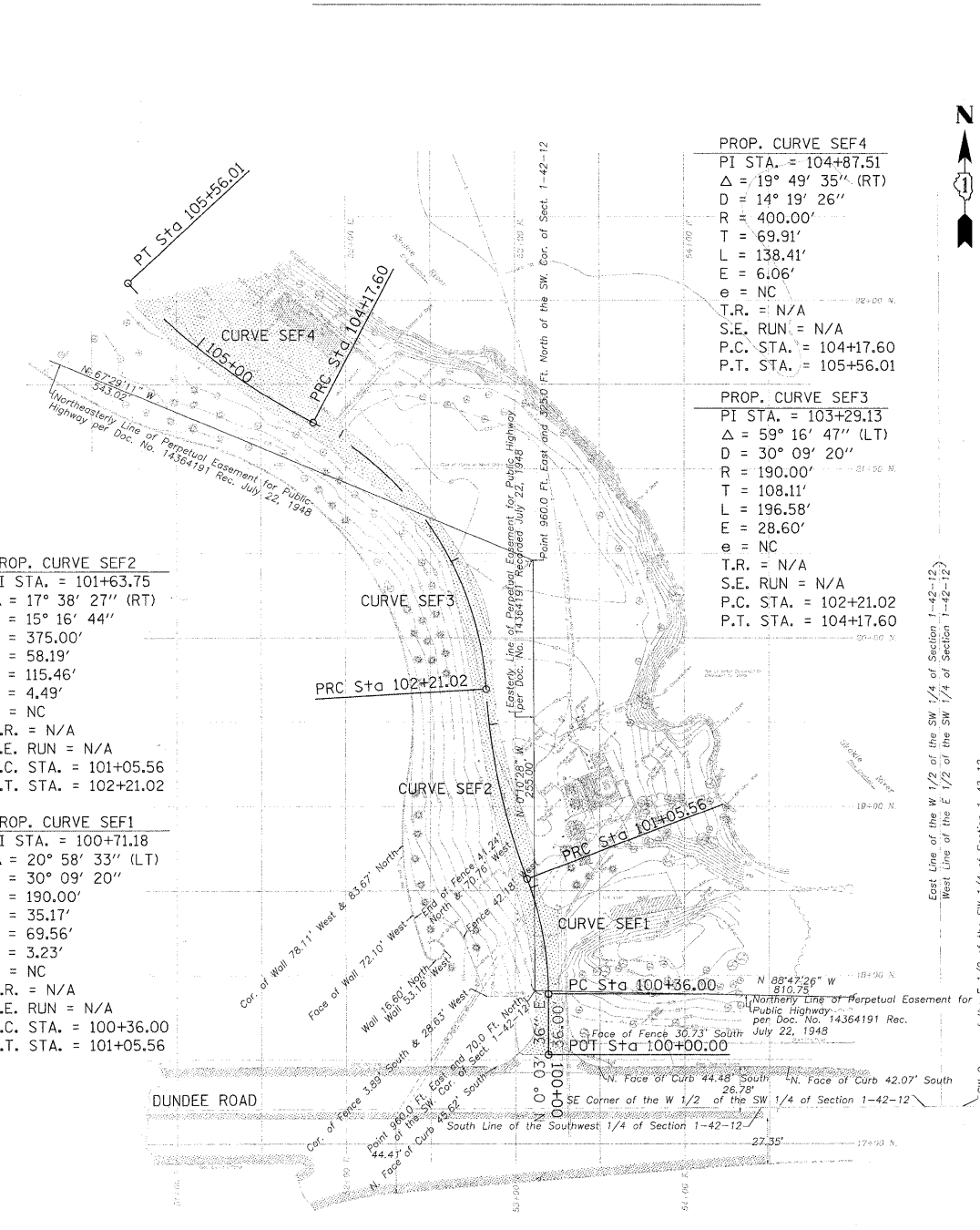
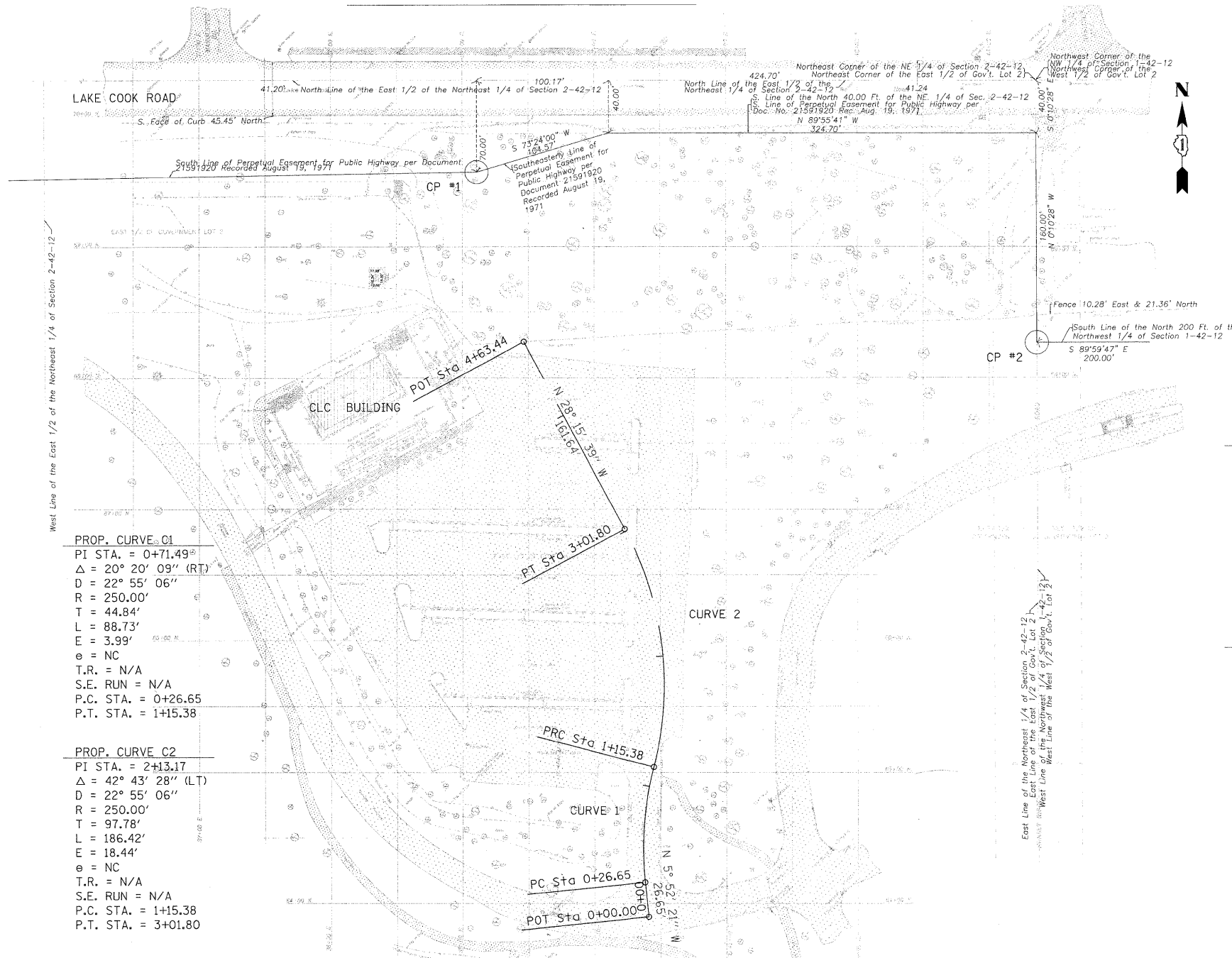
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/50 YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS



CHILDREN'S LEARNING CENTER CAMPUS

SOUTH-END FACILITY



**PROP. CURVE C1**  
 PI STA. = 0+71.49  
 $\Delta = 20^\circ 20' 09''$  (RT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 44.84'  
 L = 88.73'  
 E = 3.99'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 0+26.65  
 P.T. STA. = 1+15.38

**PROP. CURVE C2**  
 PI STA. = 2+13.17  
 $\Delta = 42^\circ 43' 28''$  (LT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 97.78'  
 L = 186.42'  
 E = 18.44'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 1+15.38  
 P.T. STA. = 3+01.80

**PROP. CURVE SEF2**  
 PI STA. = 101+63.75  
 $\Delta = 17^\circ 38' 27''$  (RT)  
 D = 15° 16' 44"  
 R = 375.00'  
 T = 58.19'  
 L = 115.46'  
 E = 4.49'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 101+05.56  
 P.T. STA. = 102+21.02

**PROP. CURVE SEF1**  
 PI STA. = 100+71.18  
 $\Delta = 20^\circ 58' 33''$  (LT)  
 D = 30° 09' 20"  
 R = 190.00'  
 T = 35.17'  
 L = 69.56'  
 E = 3.23'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 100+36.00  
 P.T. STA. = 101+05.56

**PROP. CURVE SEF4**  
 PI STA. = 104+87.51  
 $\Delta = 19^\circ 49' 35''$  (RT)  
 D = 14° 19' 26"  
 R = 400.00'  
 T = 69.91'  
 L = 138.41'  
 E = 6.06'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 104+17.60  
 P.T. STA. = 105+56.01

**PROP. CURVE SEF3**  
 PI STA. = 103+29.13  
 $\Delta = 59^\circ 16' 47''$  (LT)  
 D = 30° 09' 20"  
 R = 190.00'  
 T = 108.11'  
 L = 196.58'  
 E = 28.60'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 102+21.02  
 P.T. STA. = 104+17.60

ALIGNMENT COORDINATES

POT 1	STA. 0+00.00	N 6,389.67	E 4,040.94
PC CURVE 1	STA. 0+26.65	N 6,416.18	E 4,038.21
PI CURVE 1	STA. 0+71.49	N 6,640.78	E 4,033.62
PRC	STA. 1+15.38	N 6,504.19	E 4,044.82
PI CURVE 2	STA. 2+13.17	N 6,598.88	E 4,069.24
PT CURVE 2	STA. 3+01.80	N 6,685.01	E 4,022.94
POT 2	STA. 4+63.44	N 6,827.38	E 3,946.41

CONTROL POINTS

CP #1	N 6,957.06	E 3,910.76
CP #2	N 6,826.53	E 4,336.16

**BENCHMARK NOTE:**  
 ELEVATIONS SHOWN ARE MEASURED IN RELATION TO VILLAGE OF GLENCOE BENCHMARK NUMBER 464, ELEV. = 632.80 (NGVD 1929 DATUM)

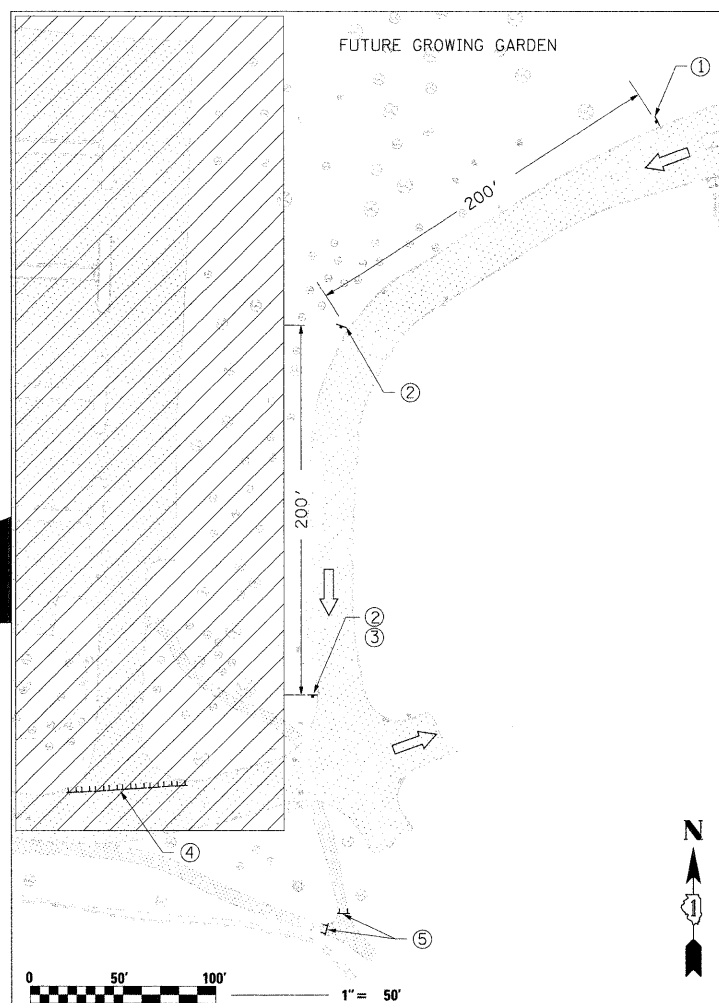
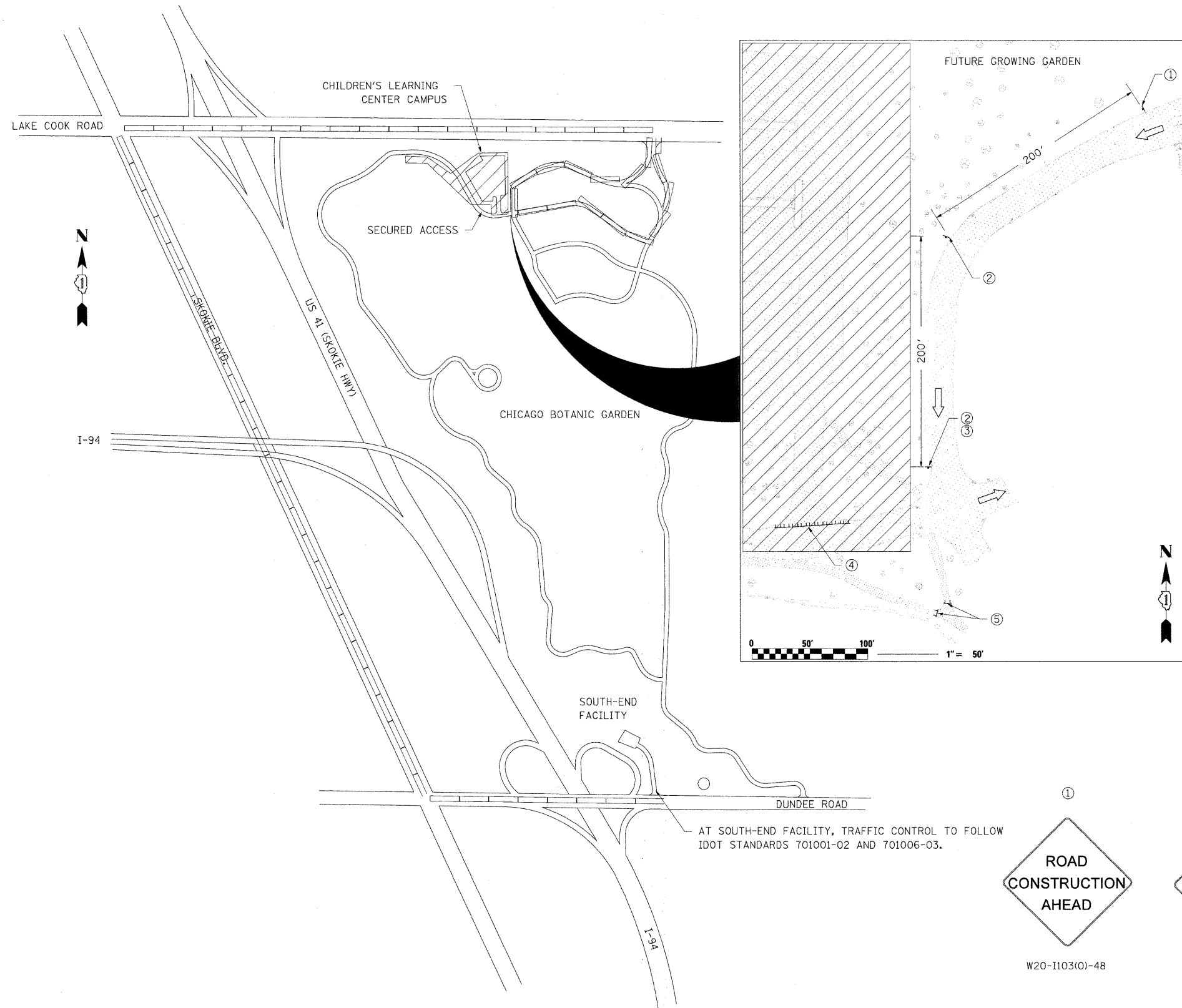
**LOCATION OF BENCHMARK:**  
 NORTHWEST BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF PEBBLEWOOD LANE AND DUNDEE ROAD.

ALIGNMENT COORDINATES

POT SEF1	STA. 0+00.00	N 1,752.95	E 5,319.49
PC SEF1	STA. 100+36.00	N 1,788.95	E 5,319.53
PI SEF1	STA. 100+71.18	N 1,824.12	E 5,319.57
PRC 1-2	STA. 101+05.56	N 1,856.98	E 5,307.01
PI SEF2	STA. 101+63.75	N 1,911.33	E 5,286.24
PRC 2-3	STA. 102+21.02	N 1,969.43	E 5,282.91
PI SEF3	STA. 103+29.13	N 2,077.36	E 5,276.73
PRC 3-4	STA. 104+17.60	N 2,127.19	E 5,180.79
PI SEF4	STA. 104+87.51	N 2,159.41	E 5,118.75
PT SEF4	STA. 105+56.01	N 2,210.76	E 5,071.32



**TRAFFIC CONTROL PLAN**

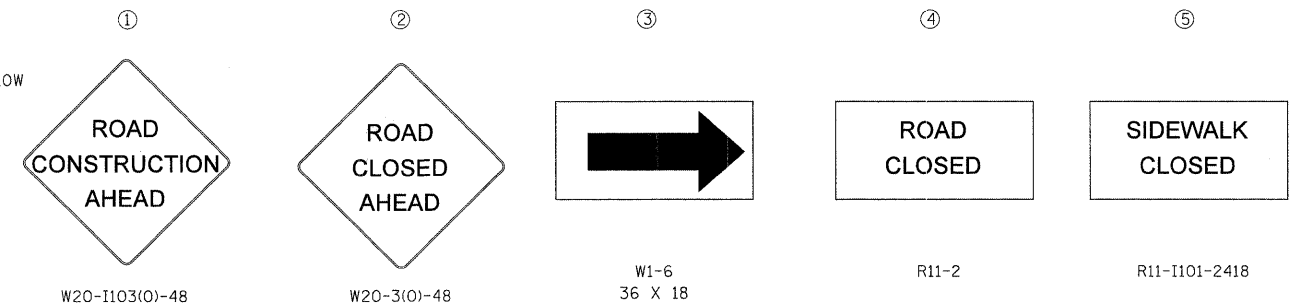


**GENERAL NOTES FOR TRAFFIC CONTROL**

- THE CONTRACTOR WILL FOLLOW ENTRANCE AND EXIT ROUTES AS DIRECTED BY THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS OR THE LATEST EDITION OF THE STATE OF ILLINOIS SUPPLEMENT TO THE NATIONAL "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD) AND SHALL BE IN PLACE BEFORE CONSTRUCTION COMMENCES.
- THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. ANY CONTRACTOR-PROPOSED TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR THE WRITTEN APPROVAL OF THE ENGINEER.
- THE SIZES OF THE SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE "MUTCD".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE CONSTRUCTION IS IN EFFECT SHALL BE COMPLETELY COVERED OR REMOVED BY THE CONTRACTOR.
- ALL BARRICADES, VERTICAL PANELS, AND/OR DRUMS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM/HER ARE IN PLACE AND OPERATIONAL 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THIS CONSTRUCTION IS IN EFFECT.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED SHALL MEET THE REQUIREMENTS FOR A LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY IDOT SHALL BE USED.
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL.

**LEGEND**

- ROUTE TO AND FROM THE NORTH-END FACILITY TO THE SOUTH-END FACILITY
- WORK ZONE
- TYPE III BARRICADE W/2 FLASHING BEACONS (NO. OF BARRICADES AS DIRECTED BY ENGINEER)
- DIRECTION OF TRAFFIC
- CONSTRUCTION SIGN



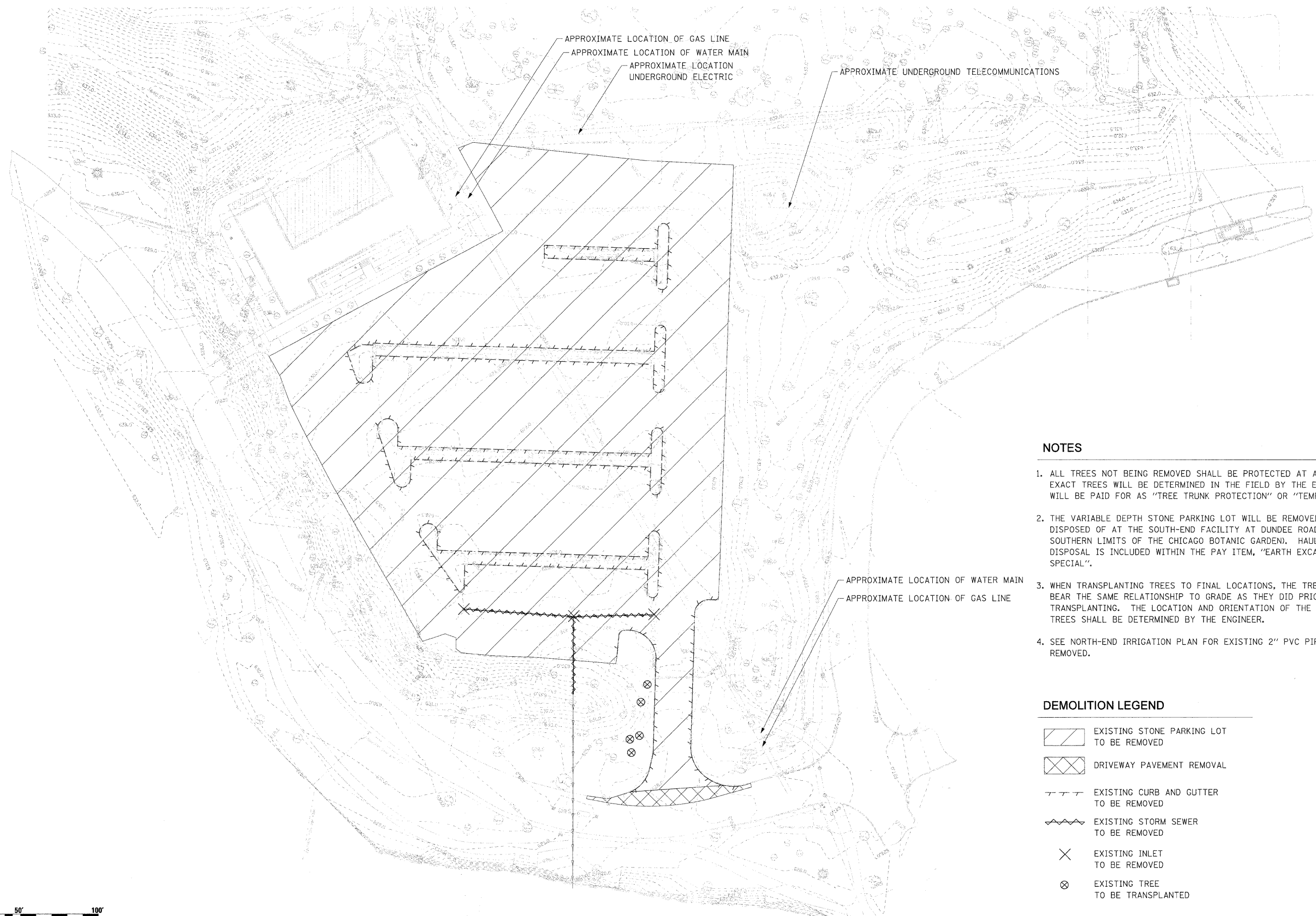
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DESIGNED BY <b>HNTB</b>	PLOT DATE =	DRAWN - LLS	REVISED - ---
	DATE - 02/16/2010	CHECKED - KJK	REVISED - ---
		DATE - 02/16/2010	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY**  
TRAFFIC CONTROL PLAN

SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A
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





F.A. RTE. N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 6
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT CONTRACT NO. 63449		



**NOTES**

1. ALL TREES NOT BEING REMOVED SHALL BE PROTECTED AT ALL TIMES. EXACT TREES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AND WILL BE PAID FOR AS "TREE TRUNK PROTECTION" OR "TEMPORARY FENCE".
2. THE VARIABLE DEPTH STONE PARKING LOT WILL BE REMOVED AND DISPOSED OF AT THE SOUTH-END FACILITY AT DUNDEE ROAD (AT THE SOUTHERN LIMITS OF THE CHICAGO BOTANIC GARDEN). HAULING AND DISPOSAL IS INCLUDED WITHIN THE PAY ITEM, "EARTH EXCAVATION, SPECIAL".
3. WHEN TRANSPLANTING TREES TO FINAL LOCATIONS, THE TREES SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS THEY DID PRIOR TO TRANSPLANTING. THE LOCATION AND ORIENTATION OF THE RE-PLANTED TREES SHALL BE DETERMINED BY THE ENGINEER.
4. SEE NORTH-END IRRIGATION PLAN FOR EXISTING 2" PVC PIPE TO BE REMOVED.

**DEMOLITION LEGEND**

-  EXISTING STONE PARKING LOT TO BE REMOVED
-  DRIVEWAY PAVEMENT REMOVAL
-  EXISTING CURB AND GUTTER TO BE REMOVED
-  EXISTING STORM SEWER TO BE REMOVED
-  EXISTING INLET TO BE REMOVED
-  EXISTING TREE TO BE TRANSPLANTED



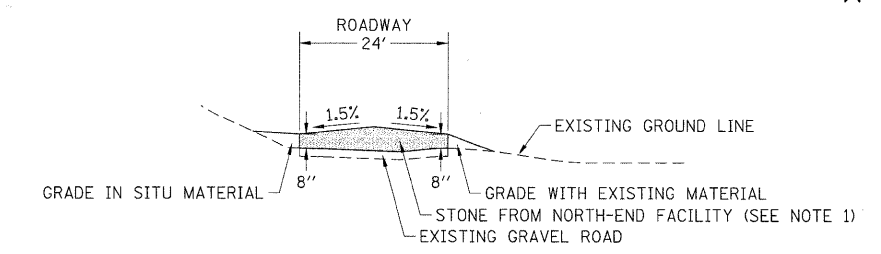
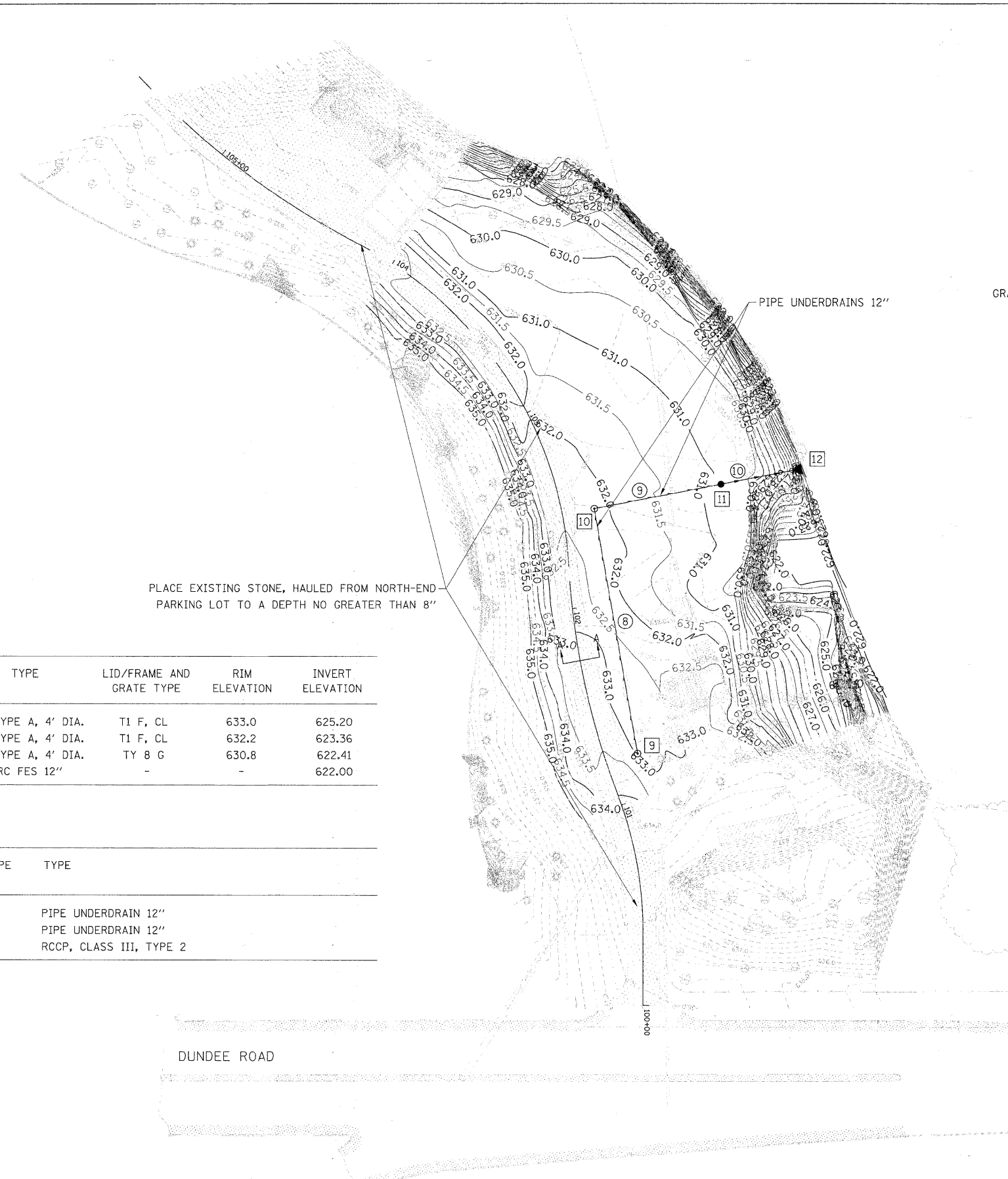
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		DATE - 02/16/2010	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

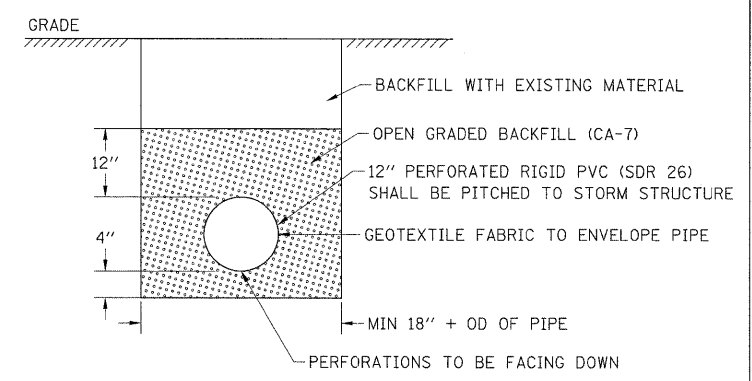
**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
NORTH-END EXISTING CONDITIONS AND DEMOLITION PLAN**

SCALE: 1"=30'    SHEET NO. XX OF XX SHEETS    STA. N/A    TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	7
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 63449	



SECTION A-A  
(N.T.S.)



DETAIL FOR PIPE UNDERDRAINS 12"  
(N.T.S.)

**DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE NUMBER	STATION	OFFSET	LT/RT	TYPE	LID/FRAME AND GRATE TYPE	RIM ELEVATION	INVERT ELEVATION
9	101+21.50	16.0	RT	MH, TYPE A, 4' DIA.	T1 F, CL	633.0	625.20
10	102+46.48	16.0	RT	MH, TYPE A, 4' DIA.	T1 F, CL	632.2	623.36
11	102+46.48	79.5	RT	MH, TYPE A, 4' DIA.	TY 8 G	630.8	622.41
12	102+46.48	120.0	RT	PRC FES 12"	-	-	622.00

**DRAINAGE PIPE SCHEDULE**

PIPE NUMBER	DIAMETER	LENGTH (LF)	PIPE SLOPE (%)	TYPE
8	12"	123	1.50%	PIPE UNDERDRAIN 12"
9	12"	64	1.50%	PIPE UNDERDRAIN 12"
10	12"	41	1.00%	RCCP, CLASS III, TYPE 2

**SOUTH-END GRADING AND DRAINAGE PLAN NOTES**

- STONE REMOVED FROM THE EXISTING NORTH-END PARKING LOT WILL BE DISPOSED AT THIS LOCATION. STONE WILL BE PLACED ON EXISTING GRAVEL ROAD TO A MAXIMUM THICKNESS OF 8 INCHES. SEE SECTION A-A.
- FINAL GRADING FOR THE SOUTH-END FACILITY WILL FOLLOW SECTION 212 IN THE STANDARD SPECIFICATIONS.

**LEGEND**

- DRAINAGE STRUCTURE
- PIPE



FILE NAME = 49105.sh+grading-mulch.dgn	USER NAME = lsupencheck	DESIGNED - LLS	REVISED - ---
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		DATE - 02/16/2010	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
SOUTH-END EXISTING CONDITIONS AND GRADING PLAN**

SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

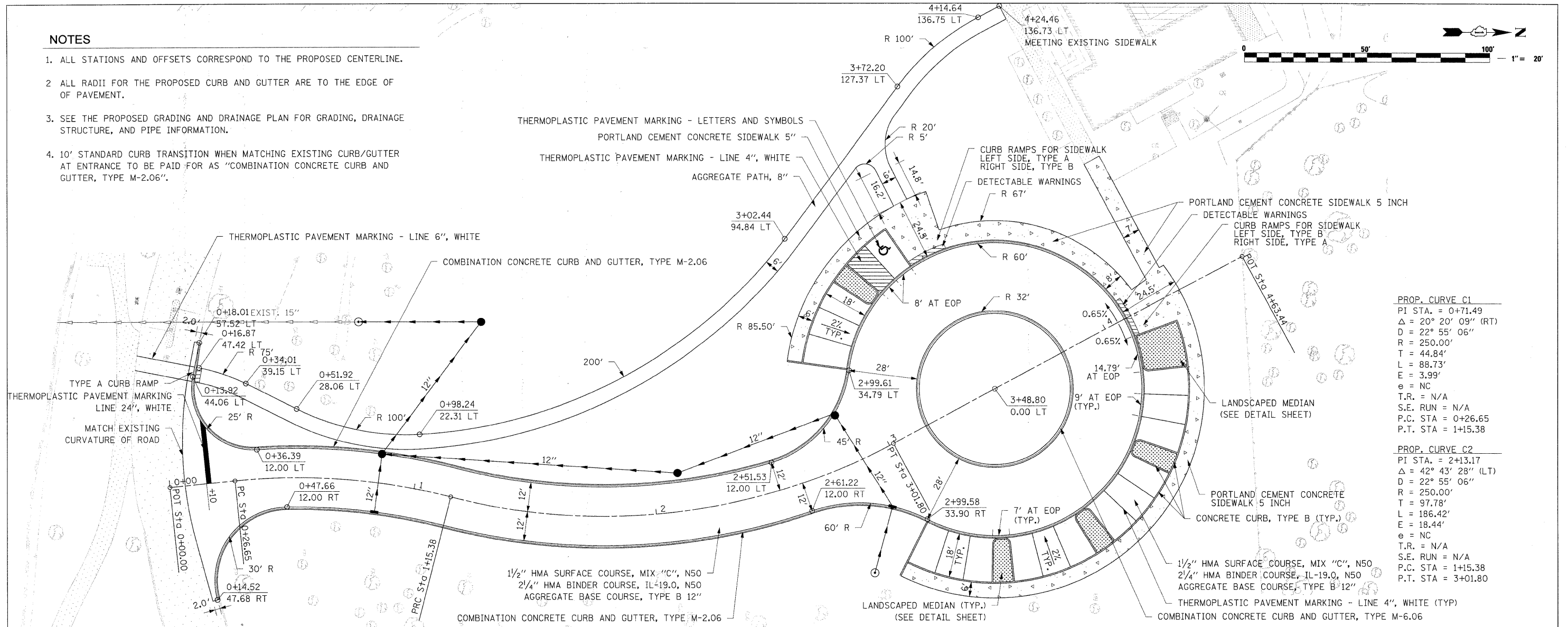
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FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63449	

**NOTES**

1. ALL STATIONS AND OFFSETS CORRESPOND TO THE PROPOSED CENTERLINE.
2. ALL RADII FOR THE PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT.
3. SEE THE PROPOSED GRADING AND DRAINAGE PLAN FOR GRADING, DRAINAGE STRUCTURE, AND PIPE INFORMATION.
4. 10' STANDARD CURB TRANSITION WHEN MATCHING EXISTING CURB/GUTTER AT ENTRANCE TO BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06".

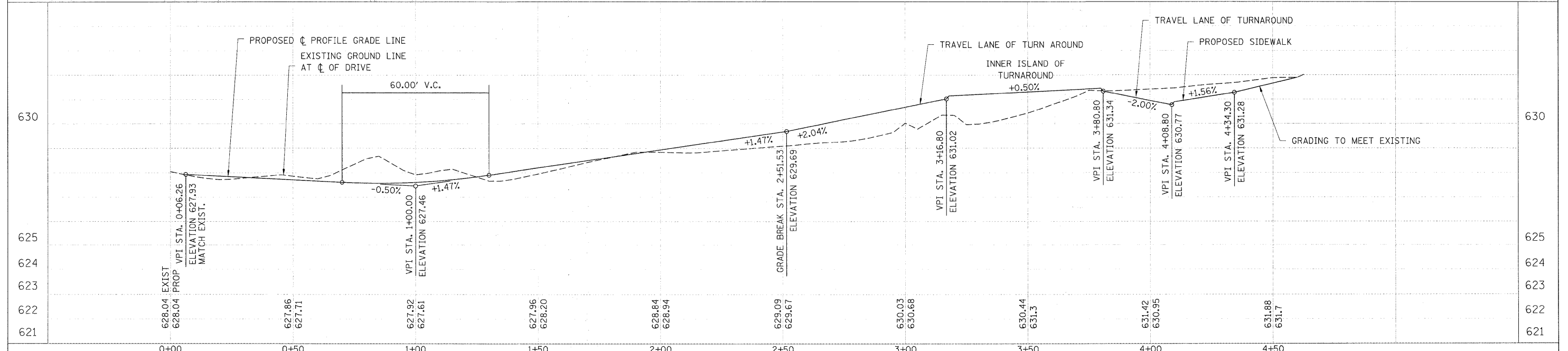
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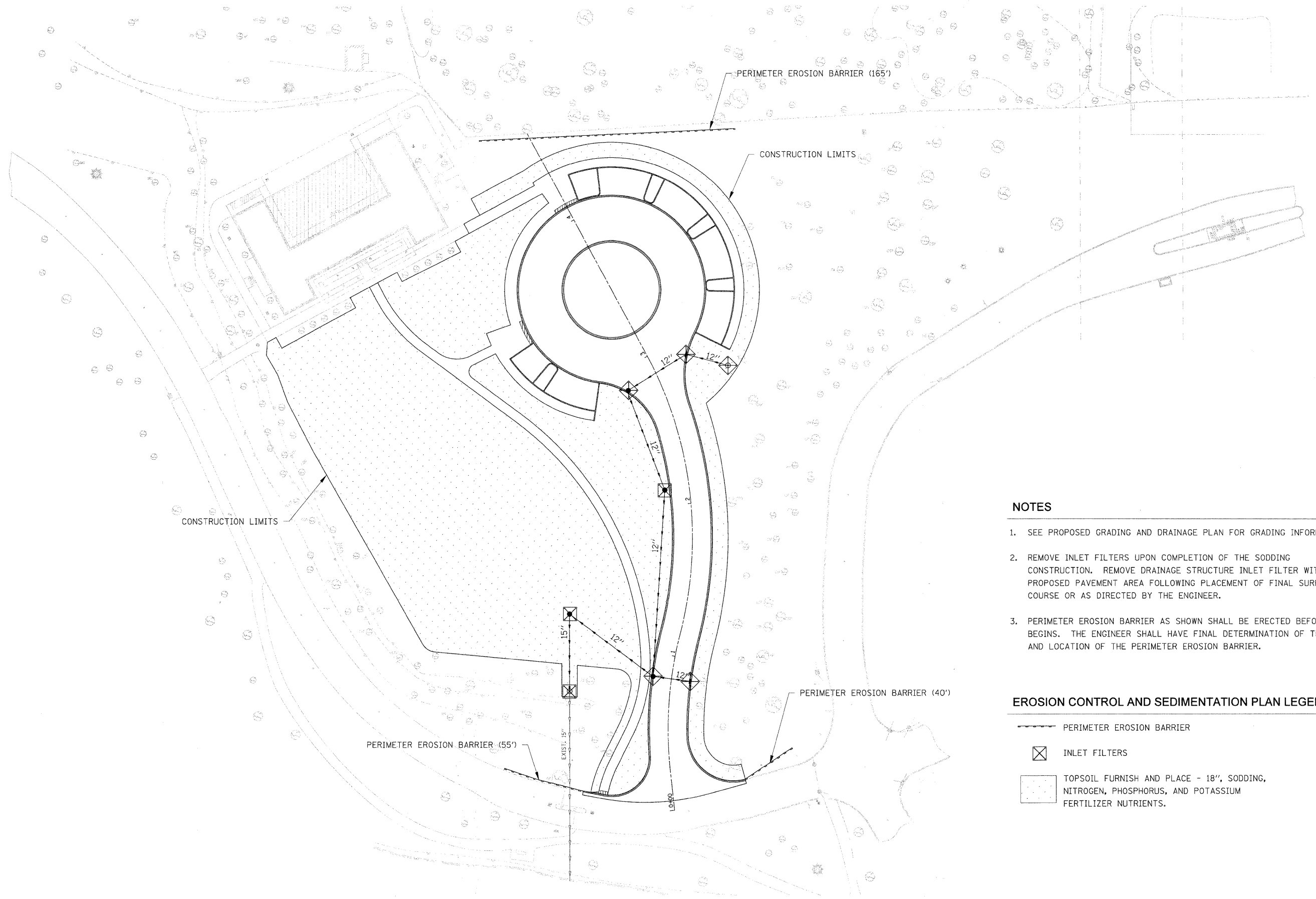
DATE	BY	REVISION



**PROP. CURVE C1**  
 PI STA = 0+71.49  
 Δ = 20° 20' 09" (RT)  
 D = 22' 55" 06"  
 R = 250.00'  
 T = 44.84'  
 L = 88.73'  
 E = 3.99'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA = 0+26.65  
 P.T. STA = 1+15.38

**PROP. CURVE C2**  
 PI STA = 2+13.17  
 Δ = 42° 43' 28" (LT)  
 D = 22' 55" 06"  
 R = 250.00'  
 T = 97.78'  
 L = 186.42'  
 E = 18.44'  
 e = NC  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA = 1+15.38  
 P.T. STA = 3+01.80





**NOTES**

1. SEE PROPOSED GRADING AND DRAINAGE PLAN FOR GRADING INFORMATION.
2. REMOVE INLET FILTERS UPON COMPLETION OF THE SODDING CONSTRUCTION. REMOVE DRAINAGE STRUCTURE INLET FILTER WITHIN PROPOSED PAVEMENT AREA FOLLOWING PLACEMENT OF FINAL SURFACE COURSE OR AS DIRECTED BY THE ENGINEER.
3. PERIMETER EROSION BARRIER AS SHOWN SHALL BE ERECTED BEFORE WORK BEGINS. THE ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

**EROSION CONTROL AND SEDIMENTATION PLAN LEGEND**

- PERIMETER EROSION BARRIER
- INLET FILTERS
- TOPSOIL FURNISH AND PLACE - 18", SODDING, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS.



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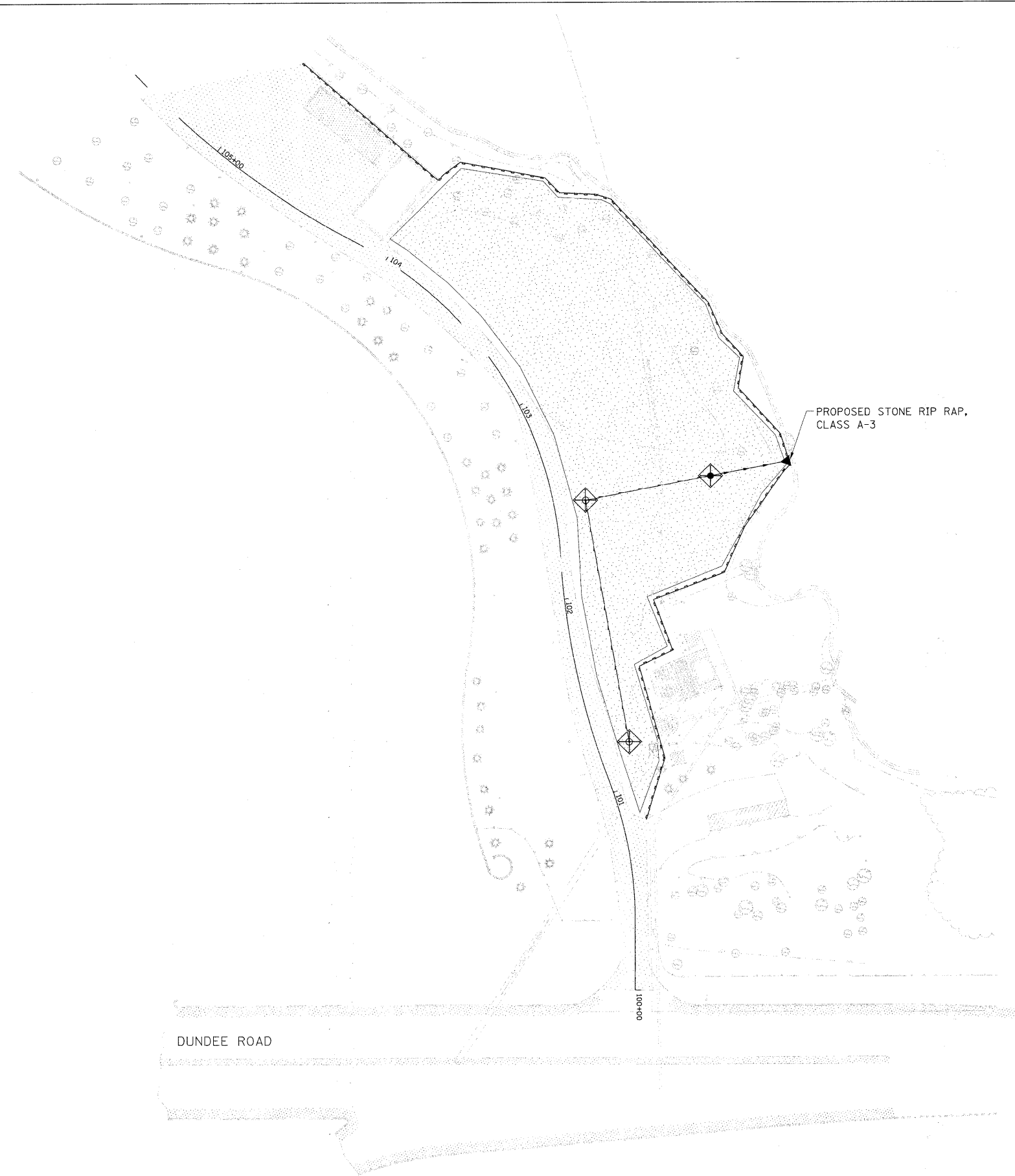
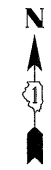
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
NORTH-END EROSION AND SEDIMENTATION CONTROL PLAN**

SCALE: 1"=30'    SHEET NO. 1 OF 1 SHEETS    STA. N/A TO STA. N/A

F.A. - RTE. - N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 10
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 63449	





**NOTES**

1. SEE PROPOSED GRADING AND DRAINAGE PLAN FOR GRADING INFORMATION.
2. REMOVE INLET FILTER UPON FINAL SHAPING AND GRADING AS DIRECTED BY THE ENGINEER.
3. PERIMETER EROSION BARRIER AS SHOWN SHALL BE ERECTED BEFORE WORK BEGINS. THE ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

**EROSION CONTROL AND SEDIMENTATION PLAN LEGEND**

- PERIMETER EROSION BARRIER
- INLET FILTERS
- SEEDING, CLASS 2



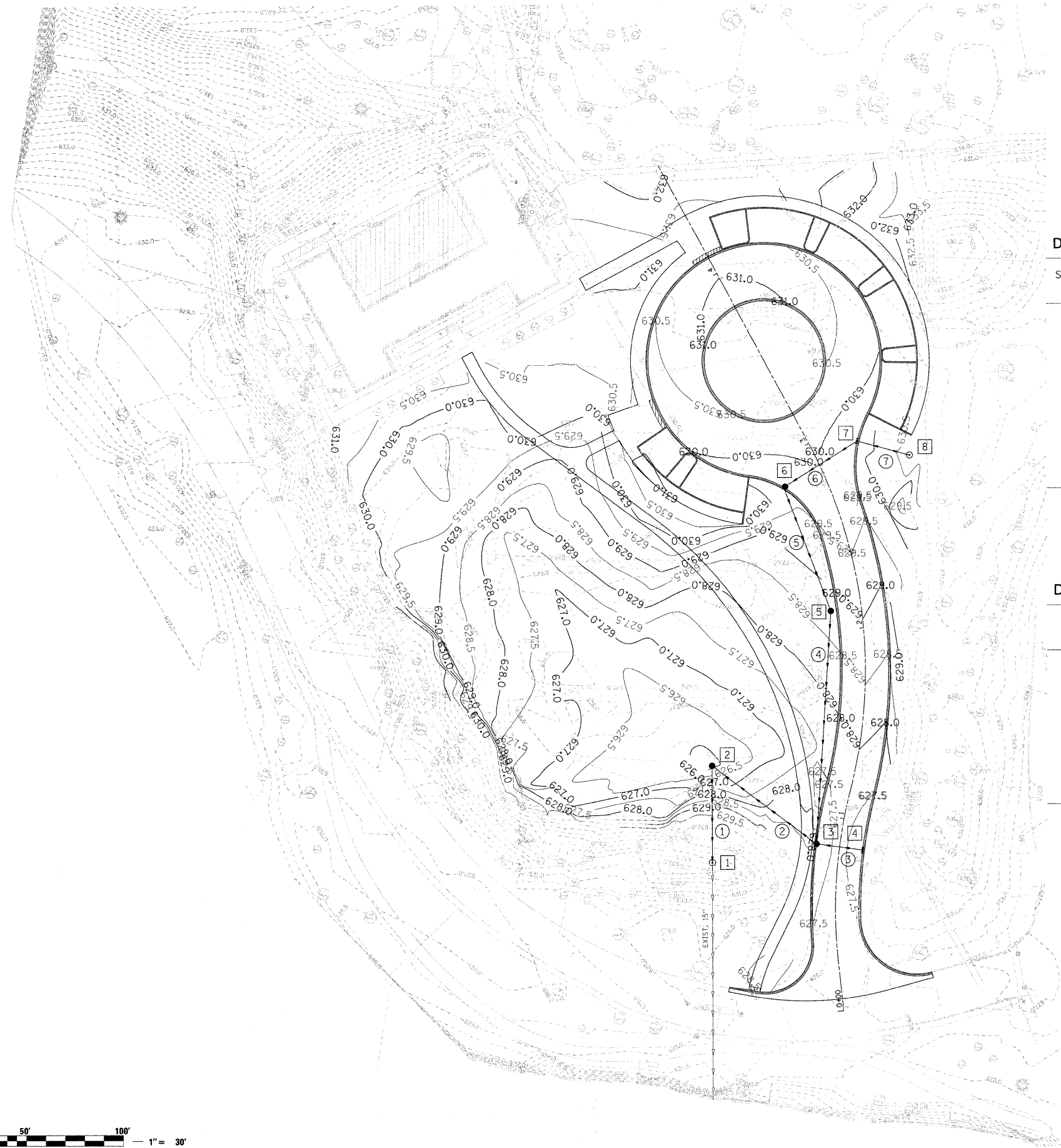
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CHICAGO BOTANIC GARDEN - CLC ENTRYWAY</b>			
<b>SOUTH-END EROSION AND SEDIMENTATION CONTROL PLAN</b>			
SCALE: 1"=30'	SHEET NO. 1	OF 1 SHEETS	STA. N/A TO STA. N/A

F.A. RTE. = N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 11
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 63449	





**DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE NUMBER	STATION	OFFSET	LT/RT	TYPE	LID/FRAME AND GRATE TYPE	RIM ELEVATION	INVERT ELEVATION
1	0+72.08	64.6	LT	MH, TYPE A, 4' DIA.	T1 F, CL	632.3	623.33
2	1+10.88	72.5	LT	CB, TYPE A, 4' DIA.	TY 8 G	626.0	623.50
3	0+85.22	12.0	LT	CB, TYPE A, 4' DIA.	T15 F & L	627.34	623.84
4	0+85.22	12.0	RT	IN, TYPE A	T15 F & L	627.34	623.96
5	2+10.75	15.8	LT	CB, TYPE A, 4' DIA.	TY 8 G	628.8	624.45
6	2+84.80	21.7	LT	CB, TYPE A, 4' DIA.	T15 F & L	629.66	624.79
7	2+90.27	22.9	RT	IN, TYPE A	T15 F & L	629.68	625.02
8	2+74.79	44.7	RT	MH, TYPE A, 4' DIA.	T1 F, CL	630.7	625.16

STATIONS, OFFSETS, AND RIM ELEVATIONS FOR ALL INLETS AND CATCH BASINS LOCATED IN CURB AND GUTTER ARE GIVEN AT THE EDGE OF PAVEMENT.

**DRAINAGE PIPE SCHEDULE**

PIPE NUMBER	DIAMETER	LENGTH (LF)	PIPE SLOPE (%)	TYPE
1	15"	50	0.34%	RCCP, CLASS III, TYPE 2
2	12"	68	0.50%	RCCP, CLASS IV, TYPE 1
3	12"	24	0.50%	RCCP, CLASS IV, TYPE 1
4	12"	121	0.50%	RCCP, CLASS IV, TYPE 1
5	12"	69	0.50%	RCCP, CLASS III, TYPE 2
6	12"	45	0.50%	RCCP, CLASS III, TYPE 2
7	12"	28	0.50%	RCCP, CLASS III, TYPE 2

**LEGEND**

- DRAINAGE STRUCTURE
- PIPE

**GRADING AND DRAINAGE PLAN NOTES**

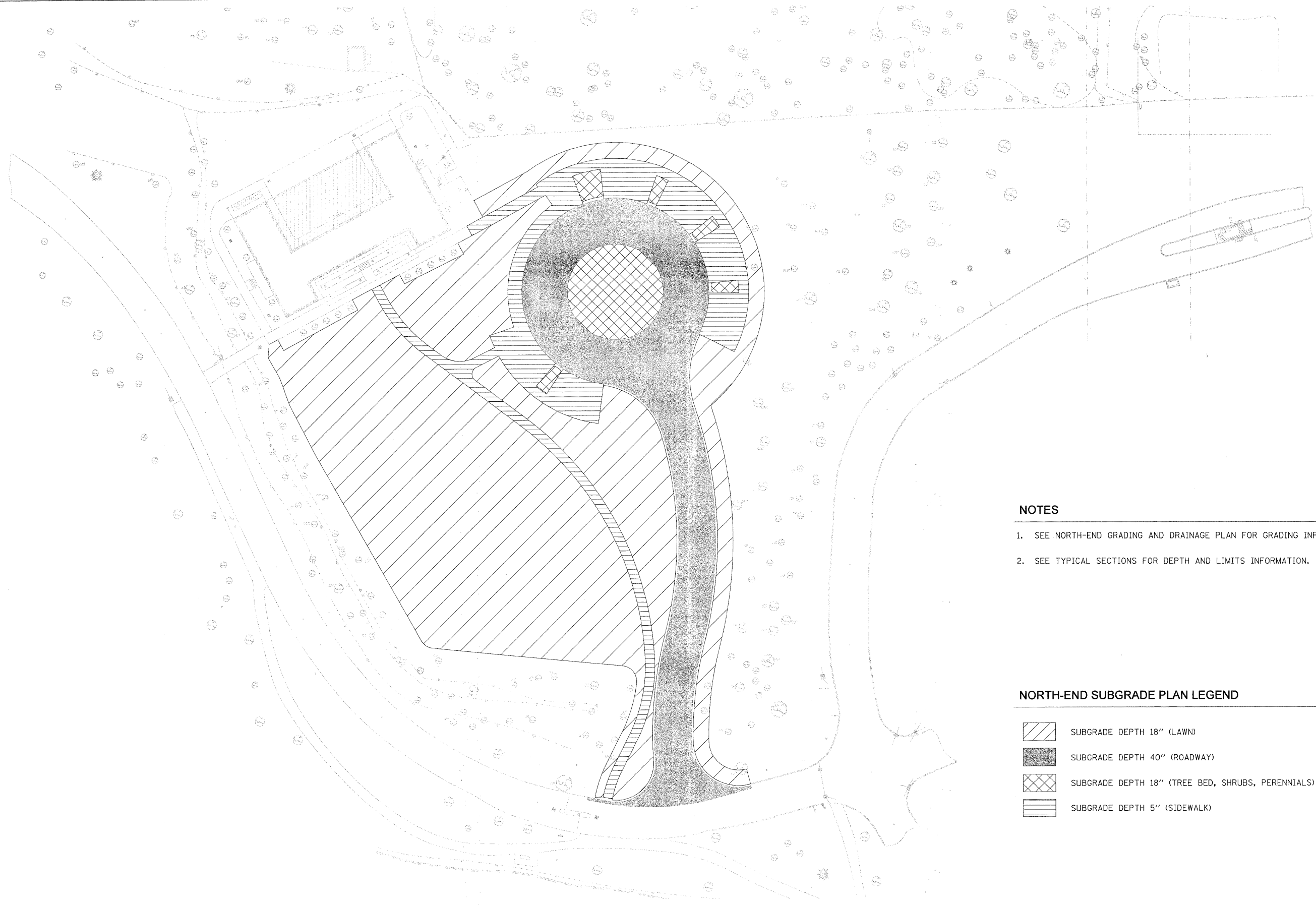
1. SEE THE NORTH-END PLAN AND PROFILE SHEET FOR TURNAROUND AND DRIVE GEOMETRICS.
2. SEE THE NORTH-END EROSION AND SEDIMENTATION CONTROL PLAN SHEET FOR ALL EROSION CONTROL ACTIVITIES.
3. SEE TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL NOTES.



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DESIGNED BY <b>HNTB</b>	PLOT DATE =	DRAWN - LLS	REVISED -
		CHECKED - KJK	REVISED -
		DATE - 02/16/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CHICAGO BOTANIC GARDEN - CLC ENTRYWAY</b>		F.A. RTE. N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 12
<b>NORTH-END GRADING AND DRAINAGE PLAN</b>		SCALE: 1"=30'		SHEET NO. 1 OF 1 SHEETS		STA. N/A TO STA. N/A
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63449		



**NOTES**

1. SEE NORTH-END GRADING AND DRAINAGE PLAN FOR GRADING INFORMATION.
2. SEE TYPICAL SECTIONS FOR DEPTH AND LIMITS INFORMATION.

**NORTH-END SUBGRADE PLAN LEGEND**

- SUBGRADE DEPTH 18" (LAWN)
- SUBGRADE DEPTH 40" (ROADWAY)
- SUBGRADE DEPTH 18" (TREE BED, SHRUBS, PERENNIALS)
- SUBGRADE DEPTH 5" (SIDEWALK)

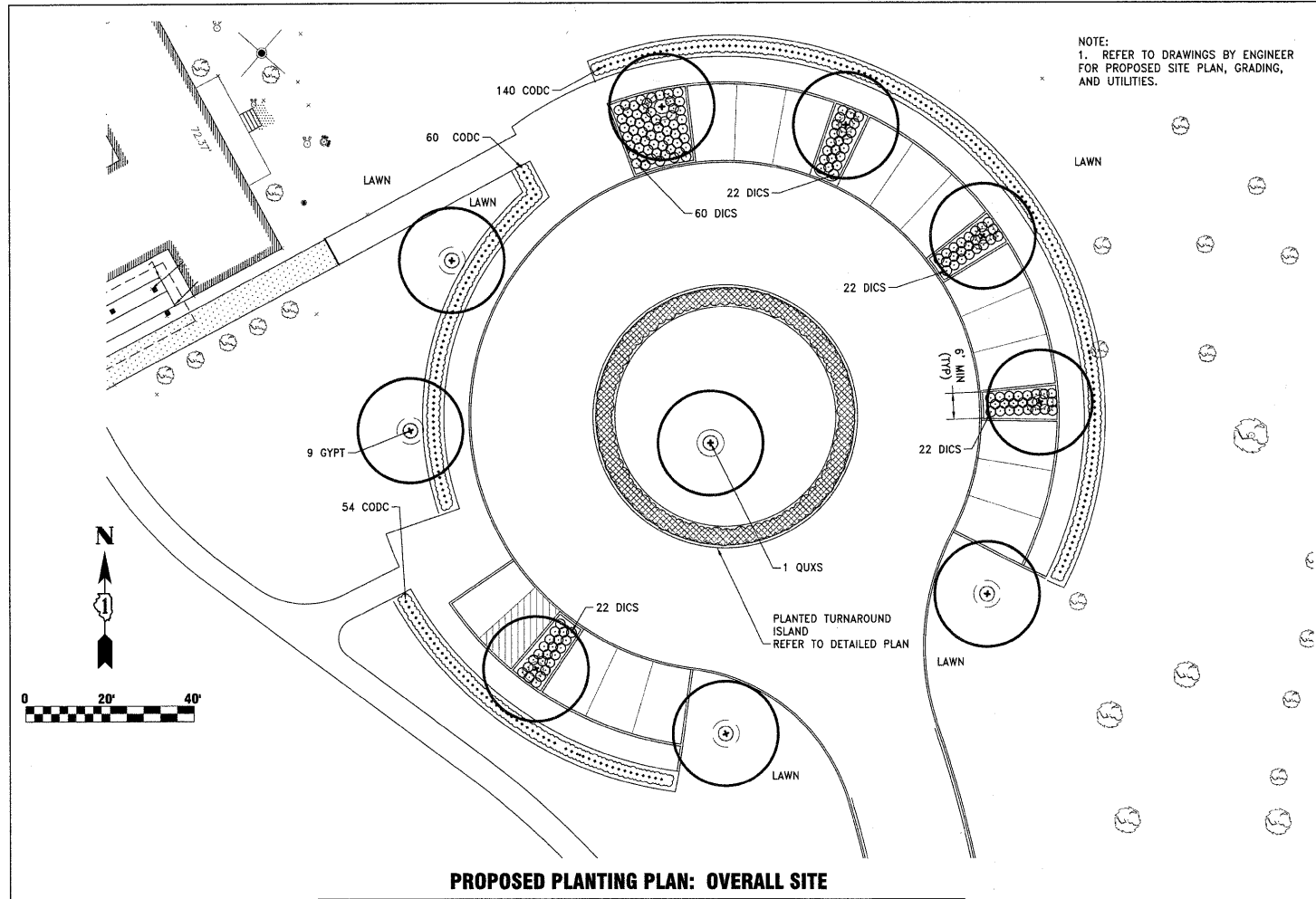


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

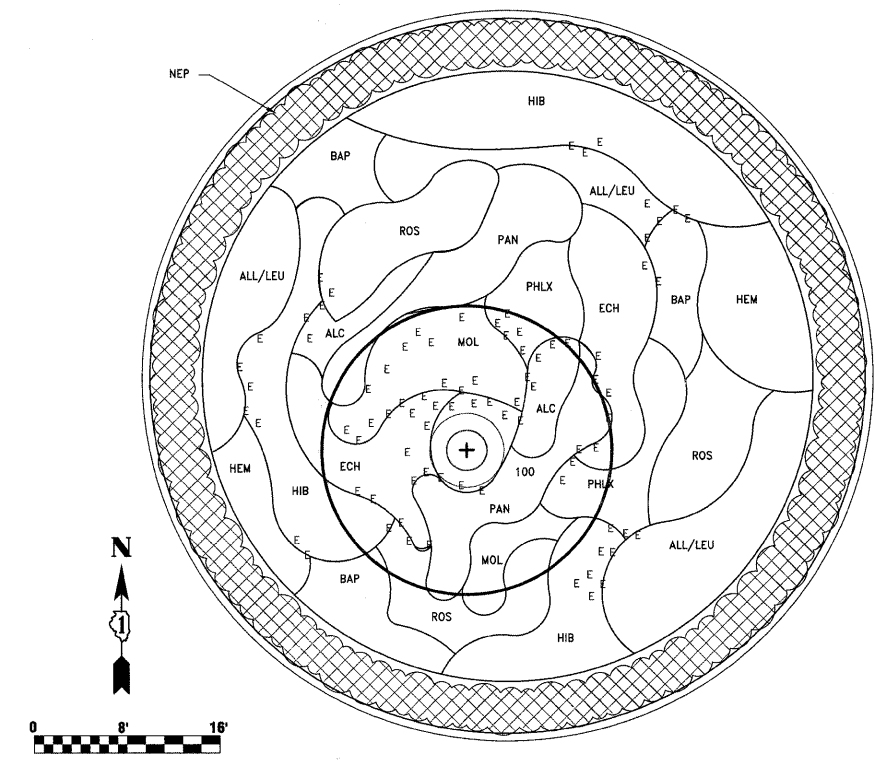
<b>CHICAGO BOTANIC GARDEN - CLC ENTRYWAY</b>			
<b>NORTH-END SUBGRADE PLAN</b>			
SCALE: 1"=30'	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A

F.A. - RTE. N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 13
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63449				



**PROPOSED PLANTING PLAN: OVERALL SITE**

NOTE:  
1. REFER TO DRAWINGS BY ENGINEER FOR PROPOSED SITE PLAN, GRADING, AND UTILITIES.



**PROPOSED PLAN: TURNAROUND PLANTING BED**

DRAWING KEY	ITEM	BOTANIC NAME	COMMON NAME	SPACING	PLANT NOTES	UNIT	QTY
<b>TREES</b>							
GYPT	TREE, GYMNOCLADUS DIOICA 'PRAIRIE TITAN' (PRAIRIE TITAN KENTUCKY COFFEETREE), 5" CALIPER, BALLED AND BURLAPPED	GYMNOCLADUS DIOICA 'PRAIRIE TITAN'	KENTUCKY COFFEETREE	SEE PLAN		EACH	9
QUXS	TREE, QUERCUS X SCHUETTI (SCHUETTES OAK), 7" CALIPER, BALLED AND BURLAPPED	QUERCUS X SCHUETTI	SCHUETTES OAK	SEE PLAN		EACH	1
<b>SHRUBS</b>							
CODC	SHRUB, CORNUS MAS 'DRIPPING CHERRIES' (DRIPPING CHERRIES CORNELIAN CHERRY DOGWOOD), 5 GALLON CONTAINER	CORNUS MAS 'DRIPPING CHERRIES'	CORNELIAN DRIPPING CHERRY DOGWOOD	18" OC	DECIDUOUS HEDGE - MAINTAIN AT 36"	EACH	254
DICS	SHRUB, DIERVILLA 'COOL SPLASH' (COOL SPLASH DIERVILLA), 24" PLANT, 2 GALLON CONTAINER	DIERVILLA 'COOL SPLASH'	DIERVILLA	SEE PLAN	RECOMMEND INTERPLANTING OF BULBS FOR APRIL AND MAY INTEREST, PLANT LEAF OUT LATE MAY	EACH	148

NOTE: REFER TO SPECIAL PROVISIONS FOR UNITS OF MEASURE

**PROPOSED PLANTING SCHEDULE: OVERALL SITE**

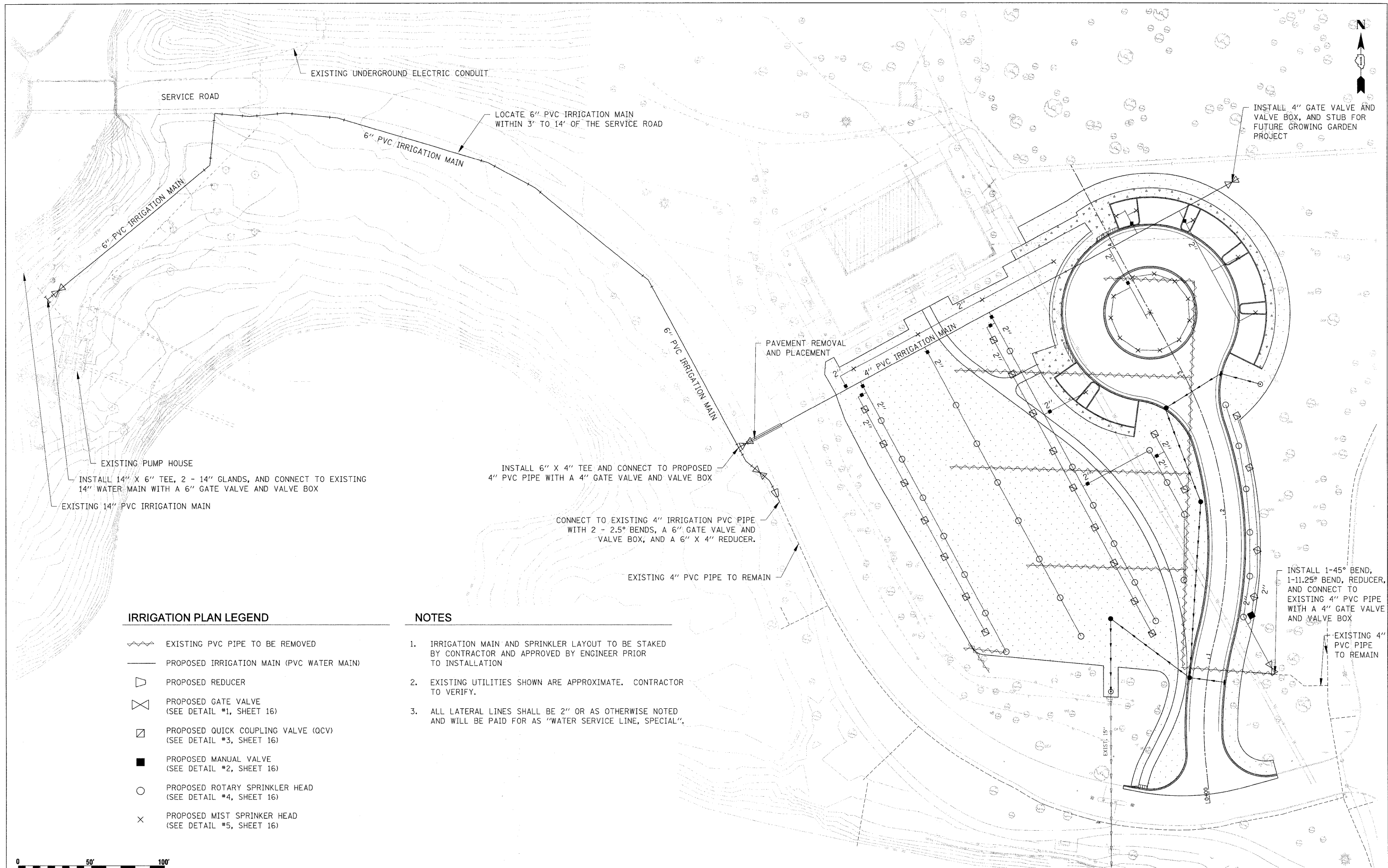
DRAWING KEY	ITEM	BOTANIC NAME	COMMON NAME	PLANTING STYLE	SPACING	PLANT NOTES	UNIT	QTY
<b>PERENNIAL PLANTS</b>								
ALC	ALCEA RUGOSA (RUSSIAN YELLOW HOLLYHOCK), 1 GALLON POT	ALCEA RUGOSA	RUSSIAN YELLOW HOLLYHOCK	IN MASSES	12" OC	6-8" TALL HOLLYHOCK, YELLOW FLOWER	UNIT	0.92
ALC	ALCEA RUGOSA (RUSSIAN YELLOW HOLLYHOCK), 1 GALLON POT	ALCEA RUGOSA	RUSSIAN YELLOW HOLLYHOCK	INTERMIXED	ONSITE LAYOUT	6-8" TALL HOLLYHOCK, YELLOW FLOWER	UNIT	1.08
BAP	BAPTISIA 'SCREAMING YELLOW' (SCREAMING YELLOW BAPTISIA), 1 GALLON POT	BAPTISIA 'SCREAMING YELLOW'	SCREAMING YELLOW BAPTISIA	IN MASSES	18" OC	2.5', GOLDEN YELLOW FLOWERS, COMPACT FORM	UNIT	0.60
ECH	ECHINACEA PURPUREA 'MERLOT' (MERLOT ECHINACEA), 1 GALLON POT	ECHINACEA PURPUREA 'MERLOT'	MERLOT ECHINACEA	IN MASSES	15" OC	5" WINE-RED FLOWERS, 30" HT	UNIT	1.60
HEM	HEMEROCALLIS 'DOUBLE RIVER WYE', 1 GALLON POT	HEMEROCALLIS 'DOUBLE RIVER WYE'	DOUBLE RIVER WYE DAYLILLIES	IN MASSES	15" OC	FRAGRANT, DOUBLE YELLOW FLOWERS ON STRONG STEMS, 30" HT	UNIT	1.60
LEU	LEUCANTHEMUM 'BANANA CREAM' (BANANA CREAM SHASTA DAISIES), 1 GALLON POT	LEUCANTHEMUM 'BANANA CREAM'	BANANA CREAM SHASTA DAISIES	IN MASSES	18"	15"-18" HT, PALE YELLOW FLOWERS	UNIT	2.00
NEP	NEPETA SUBSESSILLIS 'COOL CAT' (JAPANESE COOL CAT CATMINT), 1 GALLON POT	NEPETA SUBSESSILLIS 'COOL CAT'	COOL CAT JAPANESE CATMINT	IN MASSES	12" OC	LARGE LAVENDER-BLUE FLOWERS ON 24" HT X 12" W PLANTS	UNIT	8.00
PHLX	PHLOX 'NICKI' (NICKI'S PHLOX), 1 GALLON POT	PHLOX 'NICKI'	NICKI FLOX	IN MASSES	15" OC	FRAGRANT MAGENTA PURPLE FLOWERS, DISEASE RESISTANT, 3' HT X 18-20" WIDTH	UNIT	1.00
<b>PERENNIAL PLANTS, NARCISSUS</b>								
HIB	HIBISCUS 'CRANBERRY CRUSH' (CRANBERRY CRUSH HIBISCUS), 2 GALLON CONTAINER	HIBISCUS 'CRANBERRY CRUSH'	CRANBERRY CRUSH ROSE MALLOW	IN MASSES	24" OC	SEMI-DOUBLE DARK SCARLET FLOWERS, 3HT	EACH	130.00
MOL	MOLINIA LITORALIS 'FONTANE' (FONTANE MOORE GRASS), 3 GALLON CONTAINER	MOLINIA LITORALIS 'FONTANE'	FONTANE MOOR GRASS	IN MASSES	30" OC	3' HT FOLIAGE, FLOWERS TO 6' HT, GRACEFUL ARCHING CULMS, GOLDEN FALL COLOR	EACH	50.00
PAN	PANICUM VIRGATUM 'HEILIGER HAIN' (HEILIGER HAIN PANIC GRASS), 3 GALLON CONTAINER	PANICUM VIRGATUM 'HEILIGER HAIN'	BLUE SWITCH GRASS	IN MASSES	24" OC	4' BLuish FOLIAGE, STRONG BURGUNDY FALL COLOR	EACH	60.00
<b>SHRUBS</b>								
ROS	SHRUB, ROSA PURPLE PAVEMENT (PURPLE PAVEMENT ROSE), 18" HEIGHT, CONTAINER	ROSA (PAVEMENT)	(PAVEMENT CV)	IN MASSES	30" OC		EACH	70.00
<b>PERENNIAL PLANTS, NARCISSUS</b>								
NAR	NARCISSUS 'CURLY LACE' (CURLY LACE NARCISSUS), BULB	NARCISSUS 'CURLY LACE'	CURLY LACE NARCISSUS	INTERMX	ONSITE LAYOUT	YELLOW FLOWERS AT 18" HT MID-SPRING	UNIT	30.00
<b>PERENNIAL PLANTS, BULBS</b>								
ALL	ALLIUM GLADIATOR (GLADIATOR ORNAMENTAL ONION), BULB	ALLIUM GLADIATOR	GLADIATOR ALLIUM	MIX W/ LEUCANTHEMUM	18" OC	6" PURPLE FLOWERS ON 42" STEMS	UNIT	1.80
ALL	ALLIUM GLADIATOR (GLADIATOR ORNAMENTAL ONION), BULB	ALLIUM GLADIATOR	GLADIATOR ALLIUM	MIX W/ BAPTISIA	18" OC	6" PURPLE FLOWERS ON 42" STEMS	UNIT	0.80
ALL	ALLIUM GLADIATOR (GLADIATOR ORNAMENTAL ONION), BULB	ALLIUM GLADIATOR	GLADIATOR ALLIUM	INTERMIXED	ONSITE LAYOUT	6" PURPLE FLOWERS ON 42" STEMS	UNIT	7.40
E	EREMURUS X RUBUSTUS (DESERT CANDLE), BULB	EREMURUS X RUBUSTUS	DESERT CANDLE	INTERMIXED	ONSITE LAYOUT	PINK FLOWERS ON 8-10" STALKS	UNIT	2.00

NOTE: REFER TO SPECIAL PROVISIONS FOR UNITS OF MEASURE

**PLANTING SCHEDULE: TURNAROUND PLANTING BED**

FILE NAME =	USER NAME = \$USER\$	DESIGNED - AJP	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO BOTANIC GARDEN - CLC ENTRYWAY NORTH END LANDSCAPE PLAN</b>	F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN - AJP	REVISED - ---			NA	08-00061-00-RS	COOK	28	14
		CHECKED - ---	REVISED - ---			CONTRACT NO. 63449				
		DATE - 2/16/2010	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
		SCALE:		SHEET NO. 1 OF 1 SHEETS		STA. N/A TO STA. N/A				

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**IRRIGATION PLAN LEGEND**

- EXISTING PVC PIPE TO BE REMOVED
- PROPOSED IRRIGATION MAIN (PVC WATER MAIN)
- PROPOSED REDUCER
- PROPOSED GATE VALVE (SEE DETAIL #1, SHEET 16)
- PROPOSED QUICK COUPLING VALVE (QCV) (SEE DETAIL #3, SHEET 16)
- PROPOSED MANUAL VALVE (SEE DETAIL #2, SHEET 16)
- PROPOSED ROTARY SPRINKLER HEAD (SEE DETAIL #4, SHEET 16)
- PROPOSED MIST SPRINKLER HEAD (SEE DETAIL #5, SHEET 16)

**NOTES**

1. IRRIGATION MAIN AND SPRINKLER LAYOUT TO BE STAKED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY.
3. ALL LATERAL LINES SHALL BE 2" OR AS OTHERWISE NOTED AND WILL BE PAID FOR AS "WATER SERVICE LINE, SPECIAL".



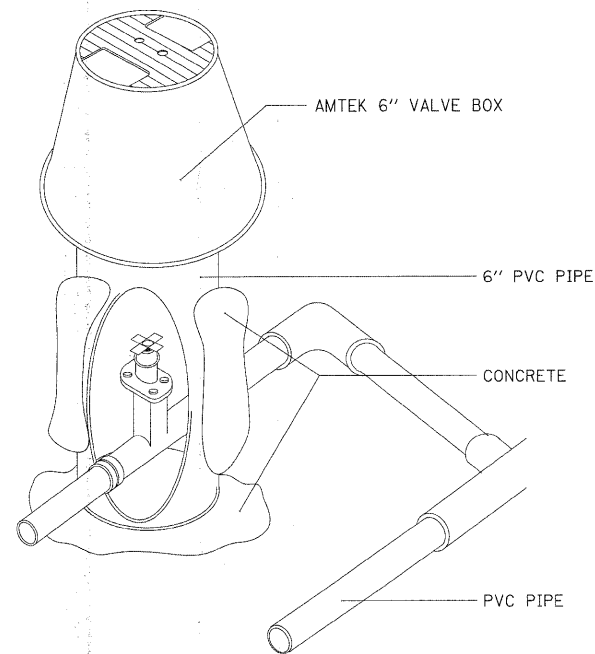
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DESIGNED BY <b>HNTB</b>	PLOT DATE =	DRAWN - LLS	REVISED - ---
	DATE - 02/16/2010	CHECKED - KJK	REVISED - ---
		REVISED - ---	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

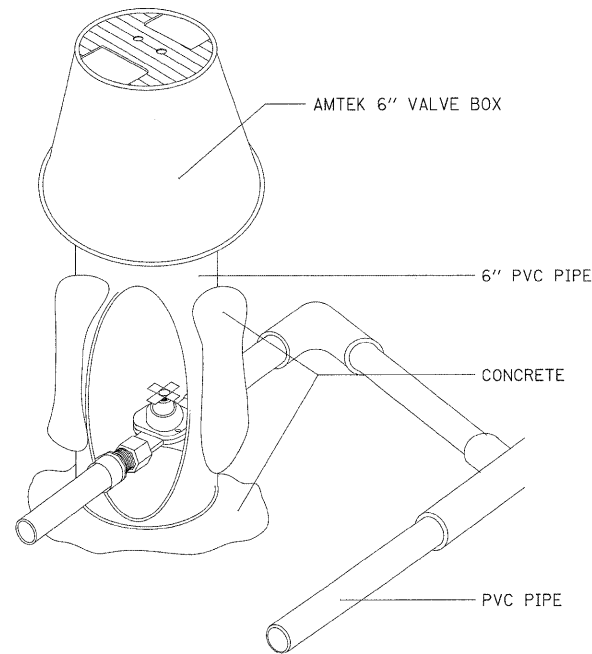
**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
NORTH-END IRRIGATION PLAN**

SCALE: 1" = 30'    SHEET NO. 1 OF 2 SHEETS    STA. N/A TO STA. N/A

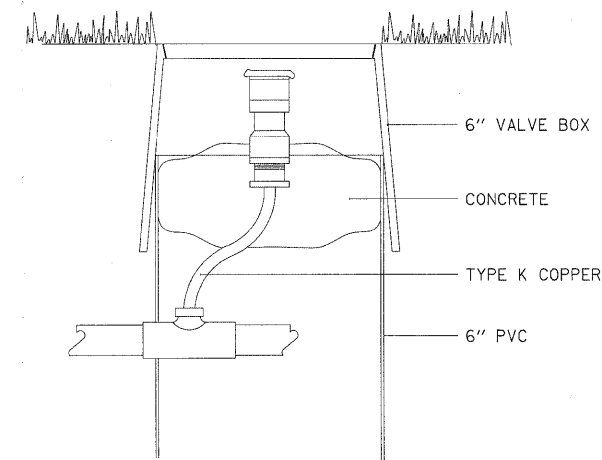
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63449	



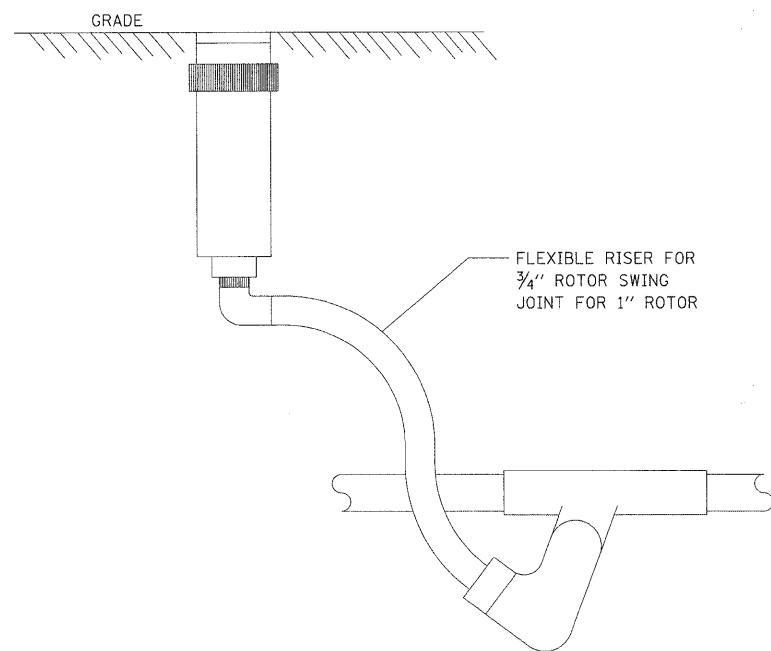
DETAIL 1  
GATE VALVE INSTALLATION (N.T.S.)



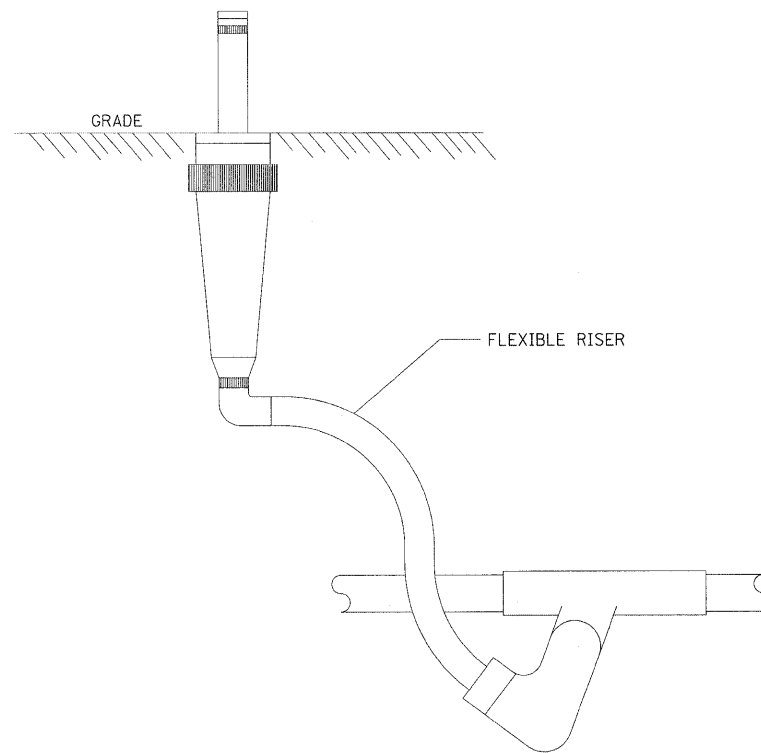
DETAIL 2  
MANUAL VALVE INSTALLATION (N.T.S.)



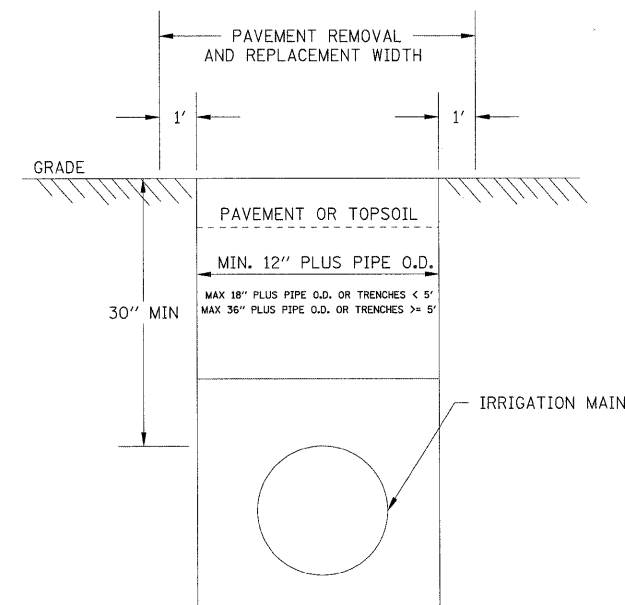
DETAIL 3  
QUICK COUPLE VALVE INSTALLATION (N.T.S.)



DETAIL 4  
ROTARY SPRINKLER INSTALLATION (N.T.S.)



DETAIL 5  
MIST SPRAY SPRINKLER INSTALLATION (N.T.S.)



DETAIL 6  
IRRIGATION PIPE TRENCH DETAIL (N.T.S.)

FILE NAME = 49105_sht_ Irrigation-clc_02.dgn	USER NAME = Isupencheck	DESIGNED - LLS	REVISED - ---
DESIGNED BY <b>HNTB</b>	PLOT DATE =	DRAWN - LLS	REVISED - ---
		CHECKED - KJK	REVISED - ---
		DATE - 02/16/2010	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
NORTH-END IRRIGATION PLAN

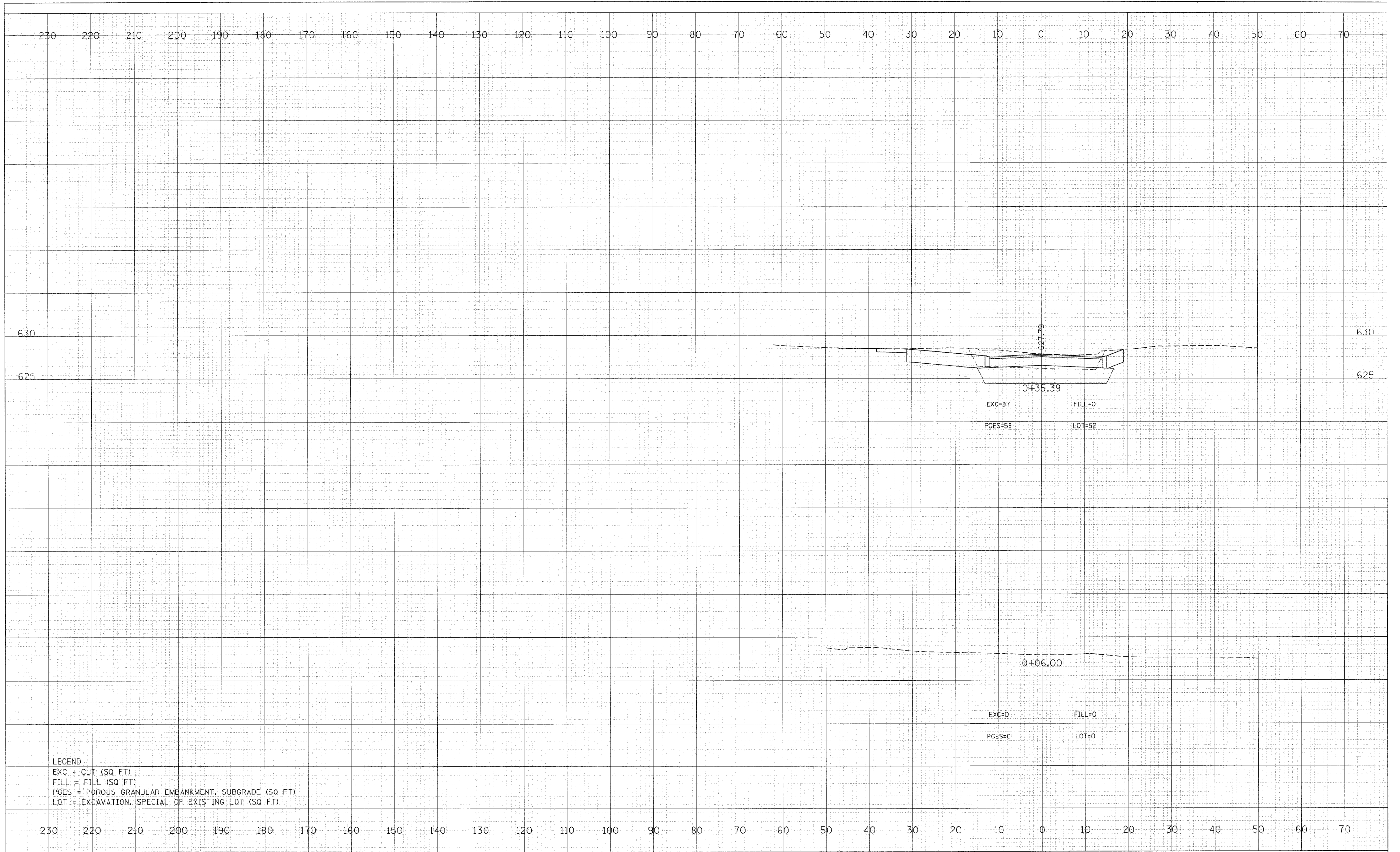
SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A. RTE. N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 63449		



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	



LEGEND  
 EXC = CUT (SQ FT)  
 FILL = FILL (SQ FT)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ FT)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ FT)

FILE NAME = 49105_sht.entryway.dgn	USER NAME = lsupencheck	DESIGNED - LLS	REVISED -
DESIGNED BY <b>HNTB</b>	PLOT DATE =	CHECKED -	REVISED -
		DRAWN - LLS	REVISED -
		CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

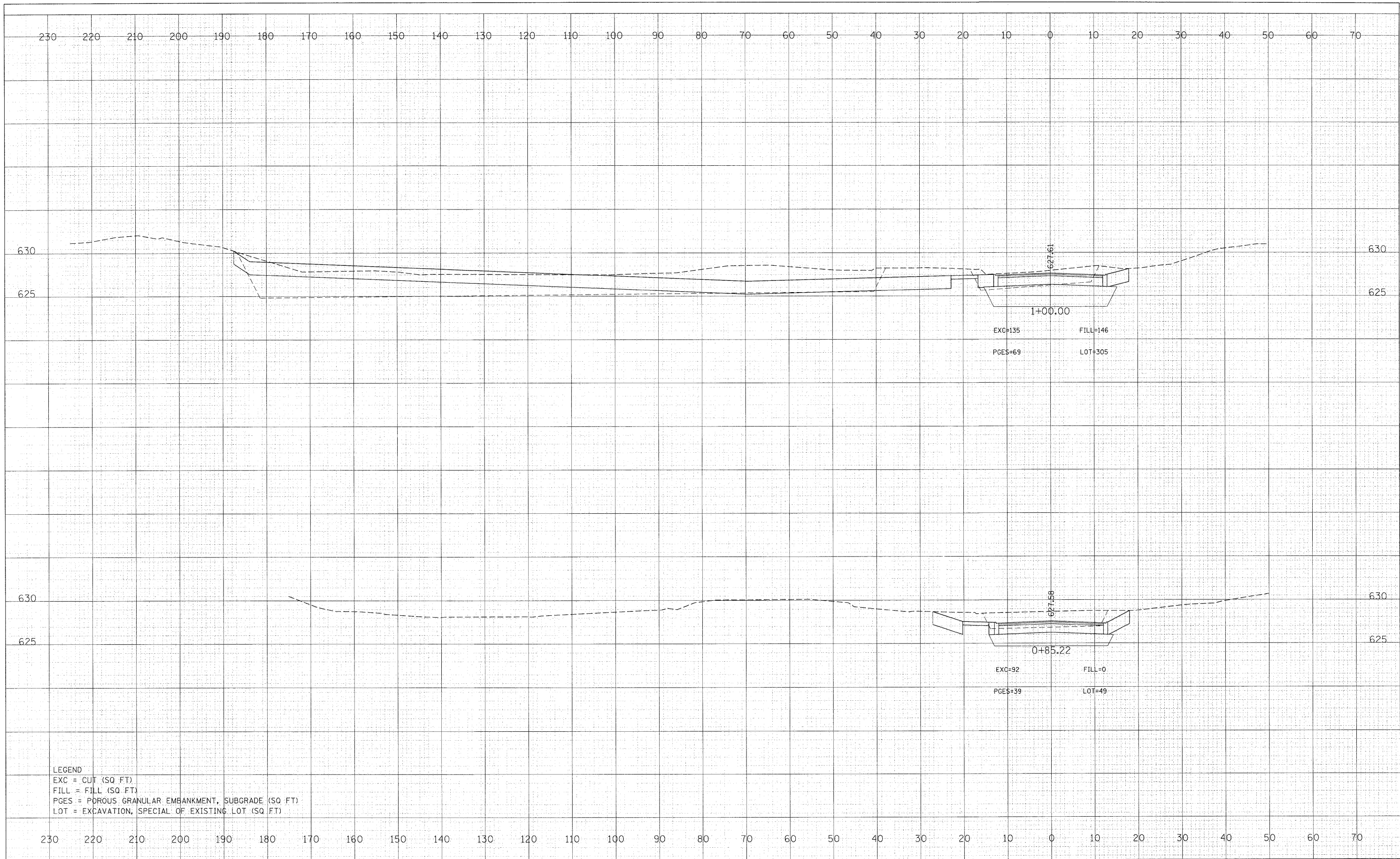
<b>CHICAGO BOTANIC GARDEN - CLC ENTRYWAY</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>NORTH-END CROSS SECTIONS</b>		N/A	08-00061-00-RS	COOK	28	17
SCALE: 1"=10'	SHEET NO. 1 OF 11 SHEETS	STA. +06.00 TO STA. +35.39		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63449				





FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	



LEGEND  
 EXC = CUT (SQ. FT.)  
 FILL = FILL (SQ. FT.)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ. FT.)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ. FT.)

FILE NAME = 49105\_sh\_t\_entryway.dgn  
 DESIGNED BY **HNTB**

USER NAME = lsupencheck	DESIGNED - LLS	REVISIED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN - LLS	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
 NORTH-END CROSS SECTIONS**

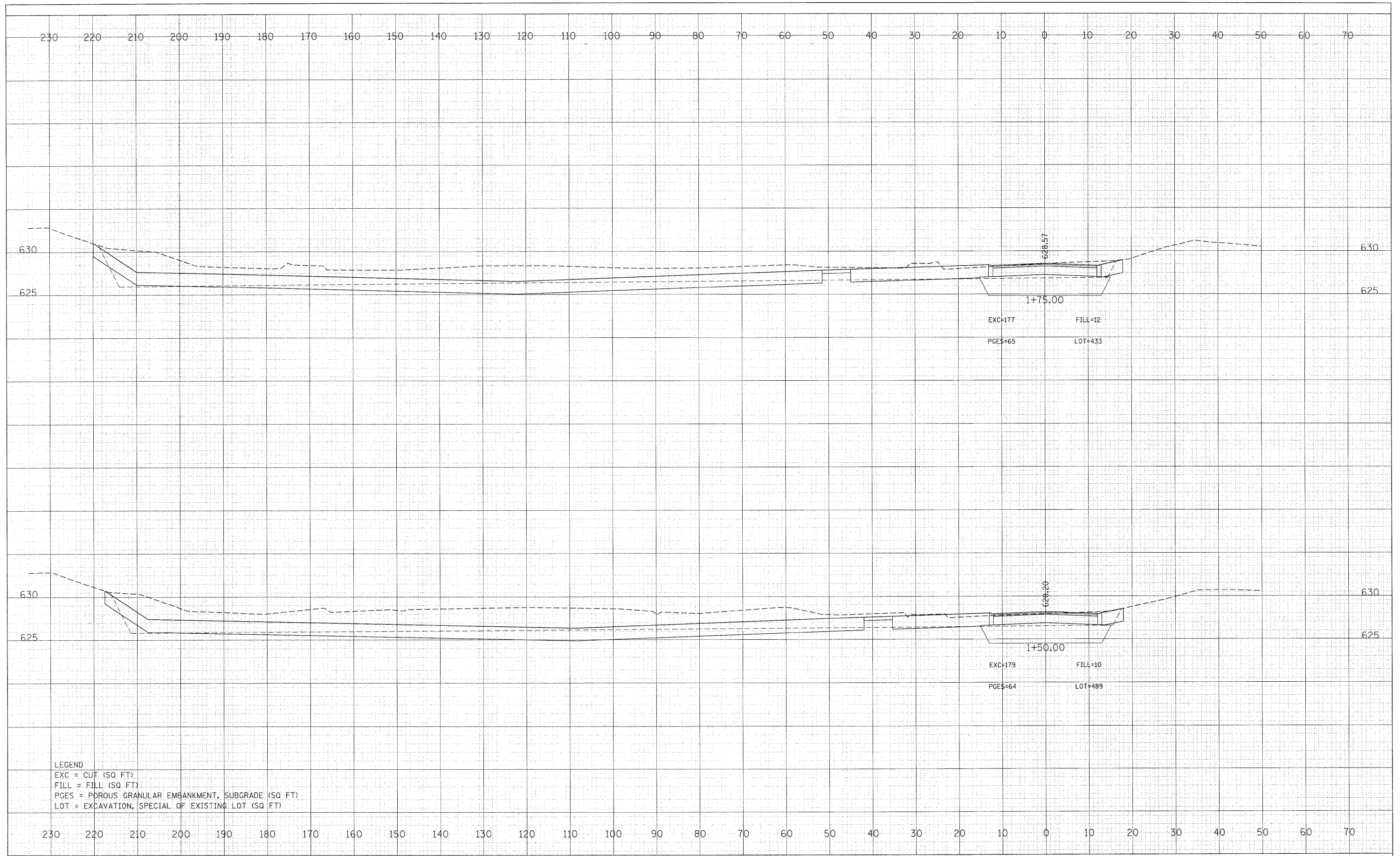
SCALE: 1"=10'    SHEET NO. 3 OF 11 SHEETS    STA. +85.22 TO STA. 1+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63449	



DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



LEGEND  
 EXC = CUT (SQ FT)  
 FILL = FILL (SQ FT)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ FT)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ FT)

FILE NAME = 49105\_sht.entryway.dgn  
 DESIGNED BY **HNTB**

USER NAME = lsupencheck	DESIGNED - LLS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN - LLS	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
 NORTH-END CROSS SECTIONS**

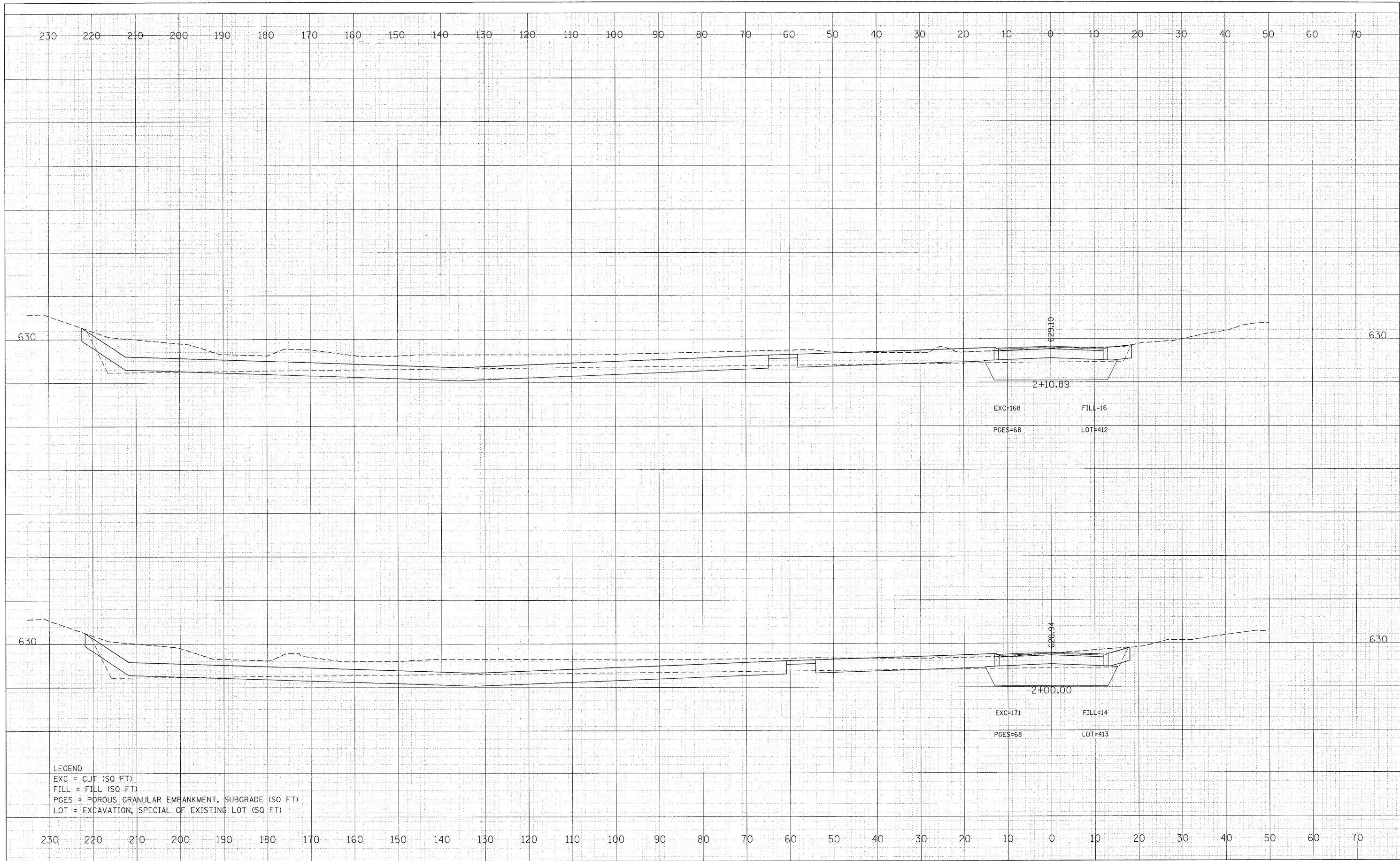
SCALE: 1"=10'    SHEET NO. 5 OF 11 SHEETS    STA. 1+50.00 TO STA. 1+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	21
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63449		



DATE	BY
FINAL SURVEY NO.	SURVEY PLOTTED
	TEMPLATE AREAS CHECKED

DATE	BY
ORIGINAL SURVEY NO.	SURVEY PLOTTED
	TEMPLATE AREAS CHECKED



LEGEND  
 EXC = CUT (SQ FT)  
 FILL = FILL (SQ FT)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ FT)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ FT)

FILE NAME = 49105\_sht\_entryway.dgn  
 DESIGNED BY **HNTB**

USER NAME = Isupencheck  
 PLOT SCALE =  
 PLOT DATE =

DESIGNED - LLS  
 CHECKED -  
 DRAWN - LLS  
 CHECKED -

REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

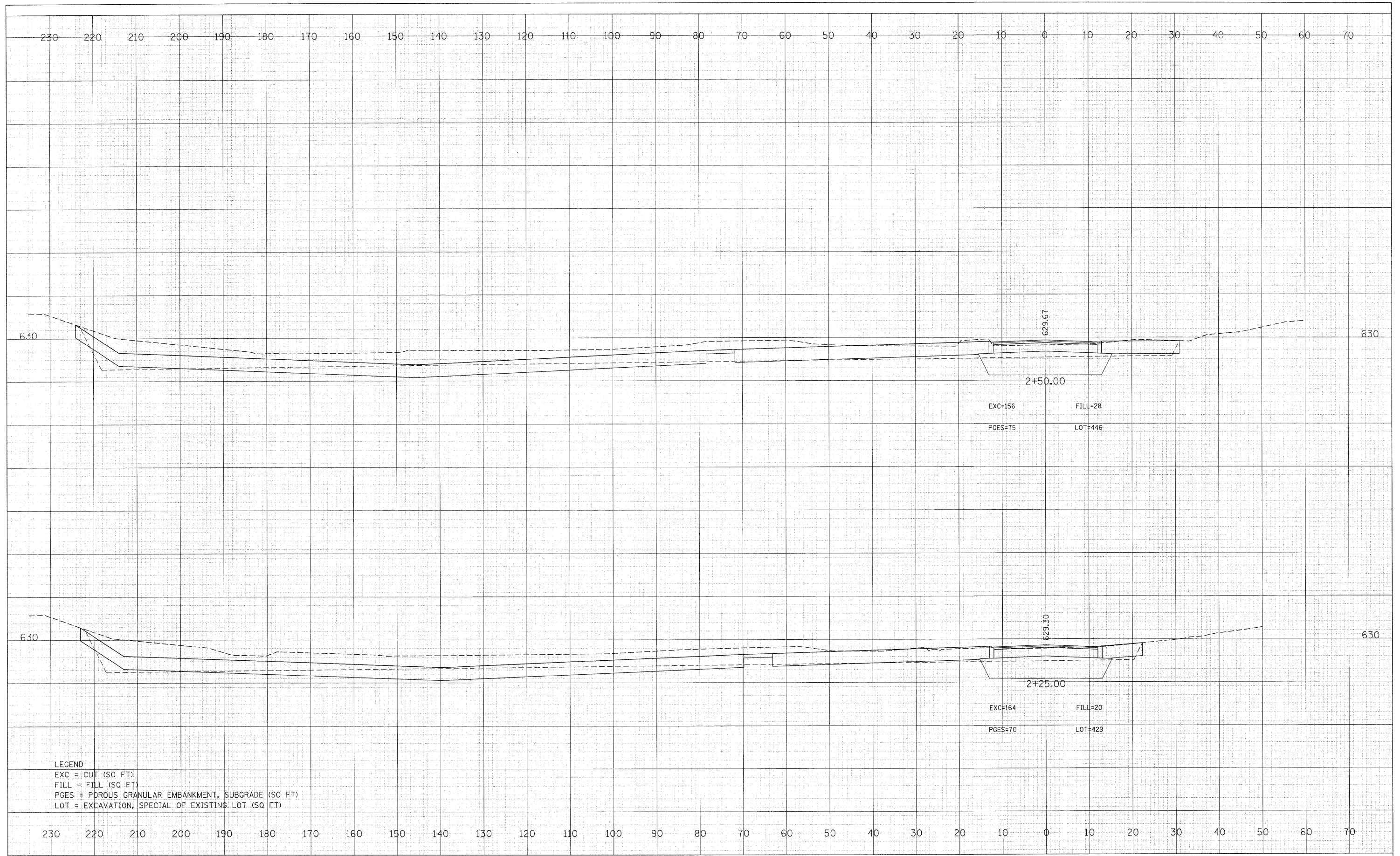
**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
 NORTH-END CROSS SECTIONS**

SCALE: 1"=10' SHEET NO. 6 OF 11 SHEETS STA. 2+00.00 TO STA. 2+10.89

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63449	

DATE	
BY	
FINAL SURVEY	
TEMP. DATE	
NO. AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
TEMP. DATE	
NO. AREAS CHECKED	
AREAS CHECKED	



LEGEND  
 EXC = CUT (SQ FT)  
 FILL = FILL (SQ FT)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ FT)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ FT)

FILE NAME = 49105\_sht\_entryway.dgn  
 DESIGNED BY **HNTB**

USER NAME = jsupencheck	DESIGNED - LLS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN - LLS	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
 NORTH-END CROSS SECTIONS**

SCALE: 1"=10'    SHEET NO. 7 OF 11 SHEETS    STA. 2+25.00 TO STA. 2+50.00

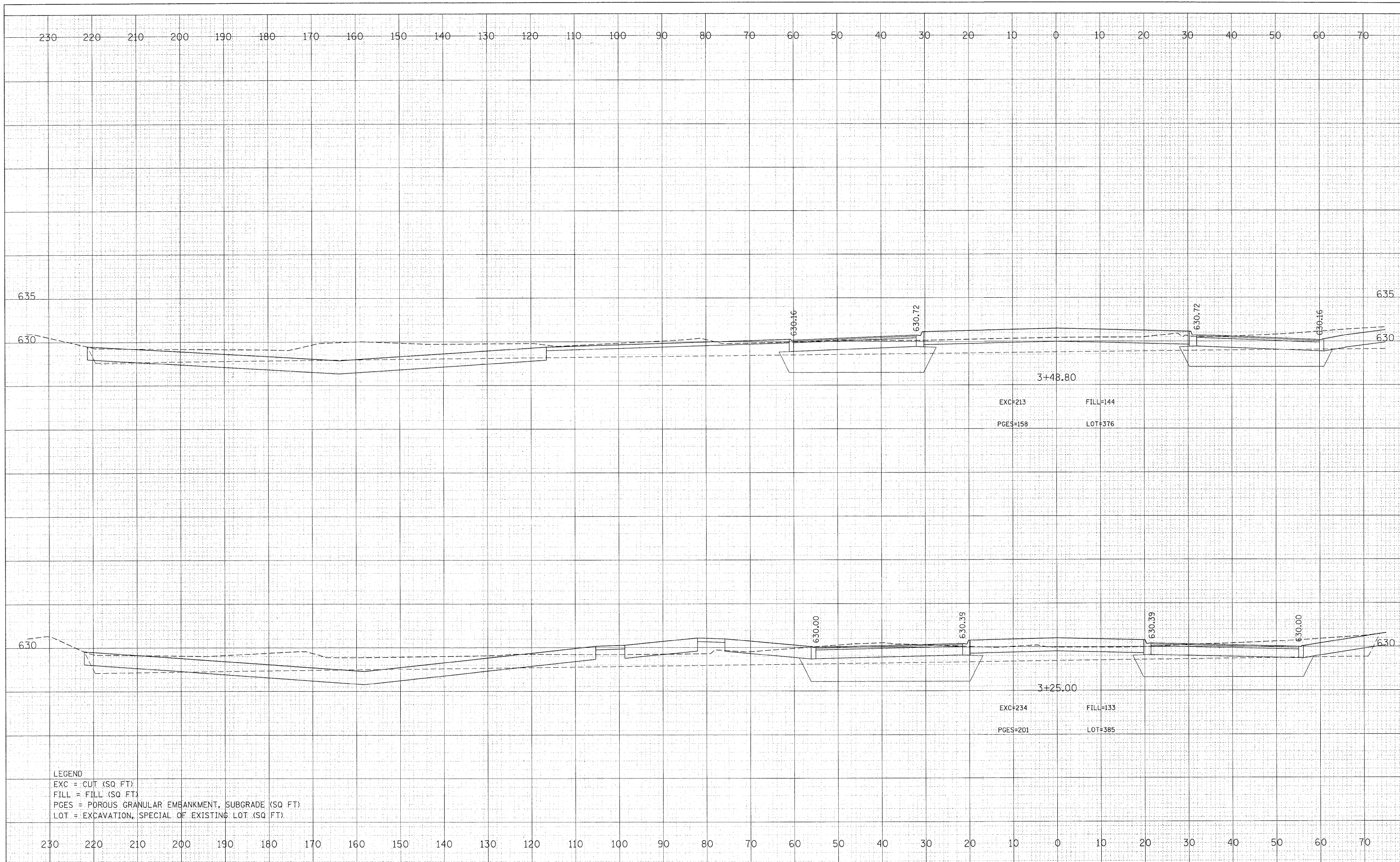
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63449		





DATE	
BY	
FINAL SURVEYED	
SHIRVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SHIRVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	



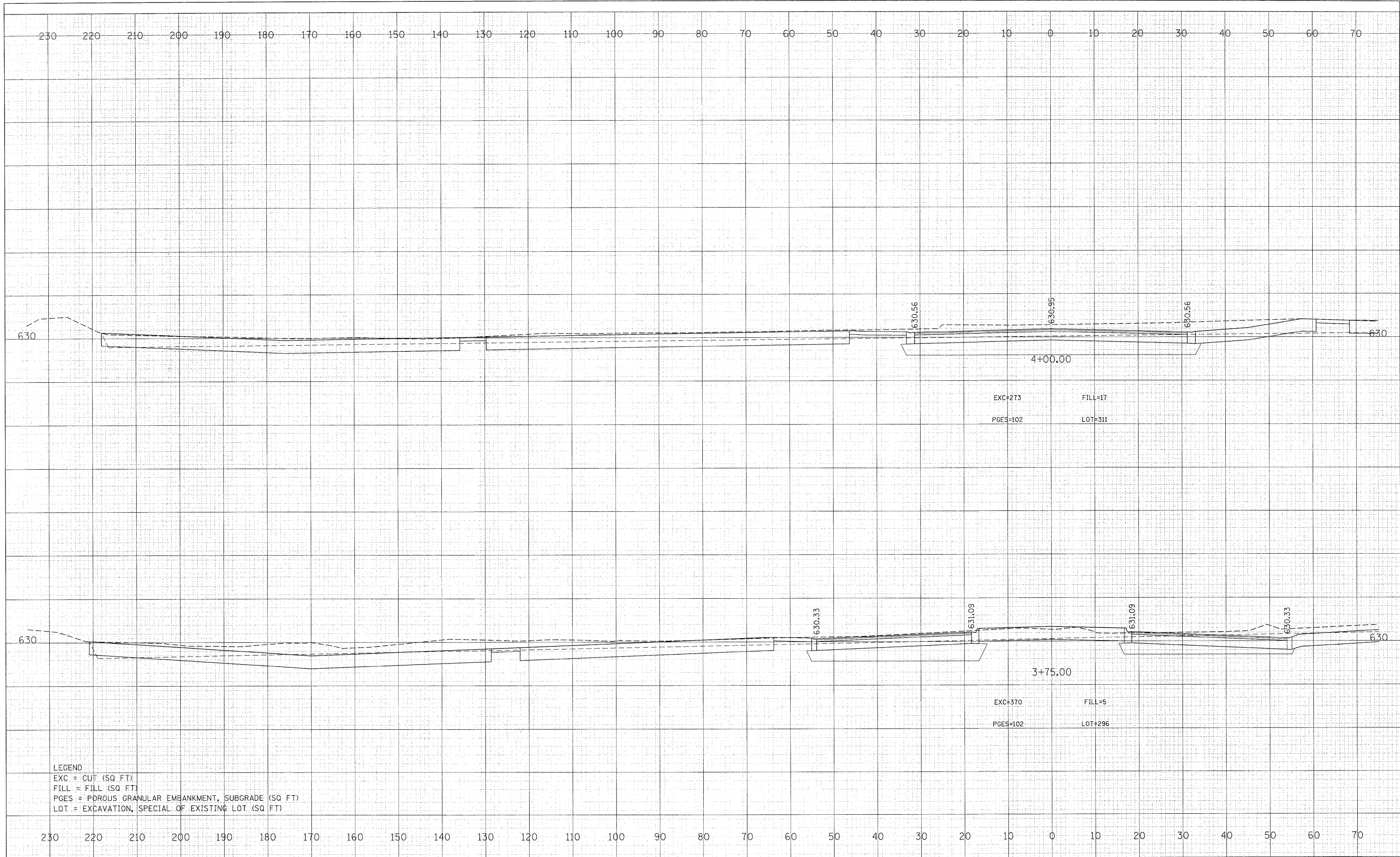
**LEGEND**  
 EXC = CUT (SQ FT)  
 FILL = FILL (SQ FT)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ FT)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ FT)

FILE NAME = 49105_sht_entryway.dgn	USER NAME = Isupencheck	DESIGNED - LLS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO BOTANIC GARDEN - CLC ENTRYWAY NORTH-END CROSS SECTIONS</b>	F.A. RTE. N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 25	
DESIGNED BY <b>HNTB</b>	PLOT SCALE = 10:1	DRAWN - LLS	REVISED -			SCALE: 1"=10'	SHEET NO. 9 OF 11 SHEETS	STA. 3+25.00 TO STA. 3+48.80	CONTRACT NO. 63449		
	PLOT DATE =	CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



DATE	
BY	
FINL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



LEGEND  
 EXC = CUT (SQ FT)  
 FILL = FILL (SQ FT)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ FT)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ FT)

FILE NAME = 49125\_sht\_entryway.dgn  
 DESIGNED BY **HNTB**

USER NAME = Isupancheck	DESIGNED - LLS	REVISIED -
	CHECKED -	REVISIED -
PLOT SCALE = 10:1	DRAWN - LLS	REVISIED -
PLOT DATE =	CHECKED -	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

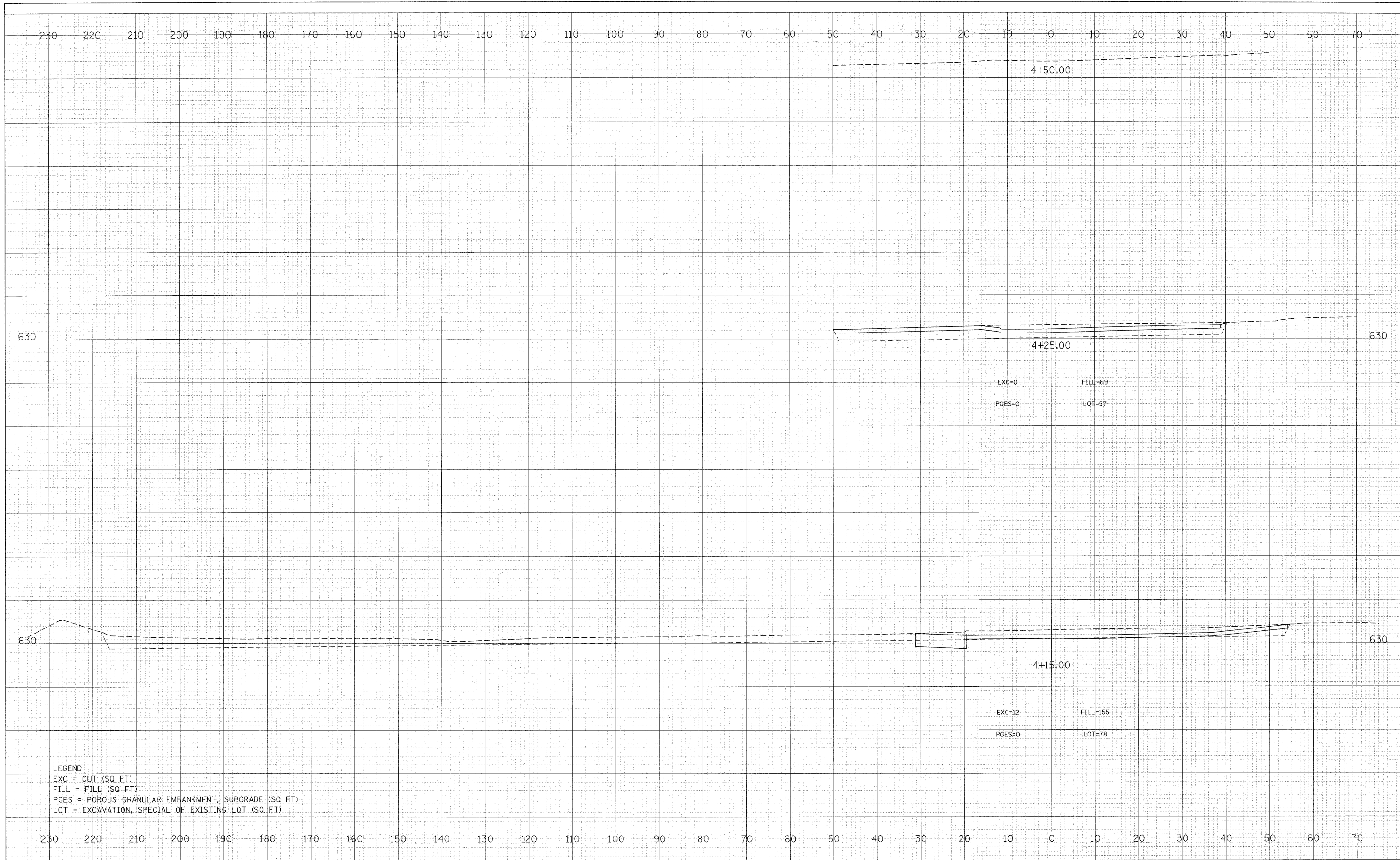
**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
 NORTH-END CROSS SECTIONS**

SCALE: 1"=10' SHEET NO. 10 OF 11 SHEETS STA. 3+75.00 TO STA. 4+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00061-00-RS	COOK	28	26
CONTRACT NO. 63449				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



LEGEND  
 EXC = CUT (SQ. FT.)  
 FILL = FILL (SQ. FT.)  
 PGES = POROUS GRANULAR EMBANKMENT, SUBGRADE (SQ. FT.)  
 LOT = EXCAVATION, SPECIAL OF EXISTING LOT (SQ. FT.)

FILE NAME = 49105_sht.entryway.dgn	USER NAME = jsupencheck	DESIGNED - LLS	REVISOR -
DESIGNED BY <b>HNTB</b>	PLOT SCALE = 1/8"=1'	CHECKED -	REVISOR -
	PLOT DATE =	DRAWN - LLS	REVISOR -
		CHECKED -	REVISOR -

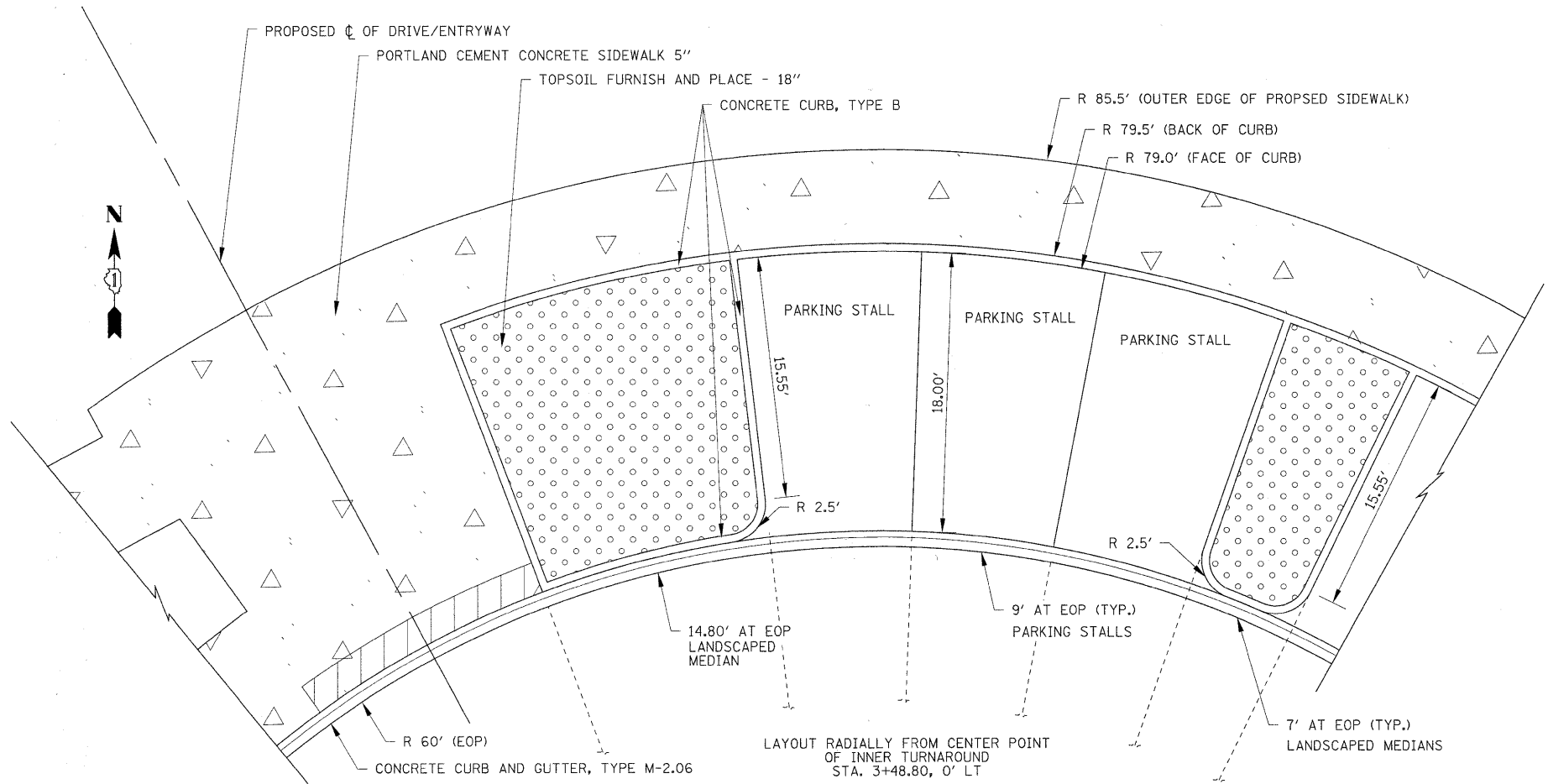
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO BOTANIC GARDEN - CLC ENTRYWAY  
 NORTH-END CROSS SECTIONS**

SCALE: 1"=10'    SHEET NO. 11 OF 11 SHEETS    STA. 4+15.00 TO STA. 4+50.00

F.A. RTE. N/A	SECTION 08-00061-00-RS	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 27
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63449		

DETAIL A  
LANDSCAPED MEDIANS WITHIN PARKING STALLS OF TURNAROUND  
SCALE 1" = 5'



DETAIL B  
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

