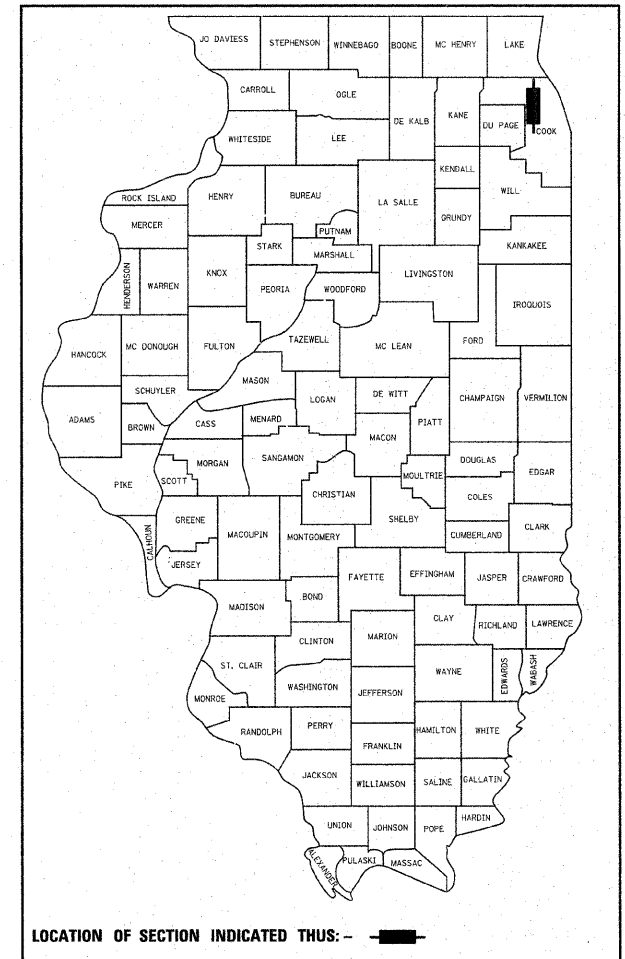


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2010-161-I	COOK	12	1
		ILLINOIS CONTRACT NO. 60N78		

D-91-358-11



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

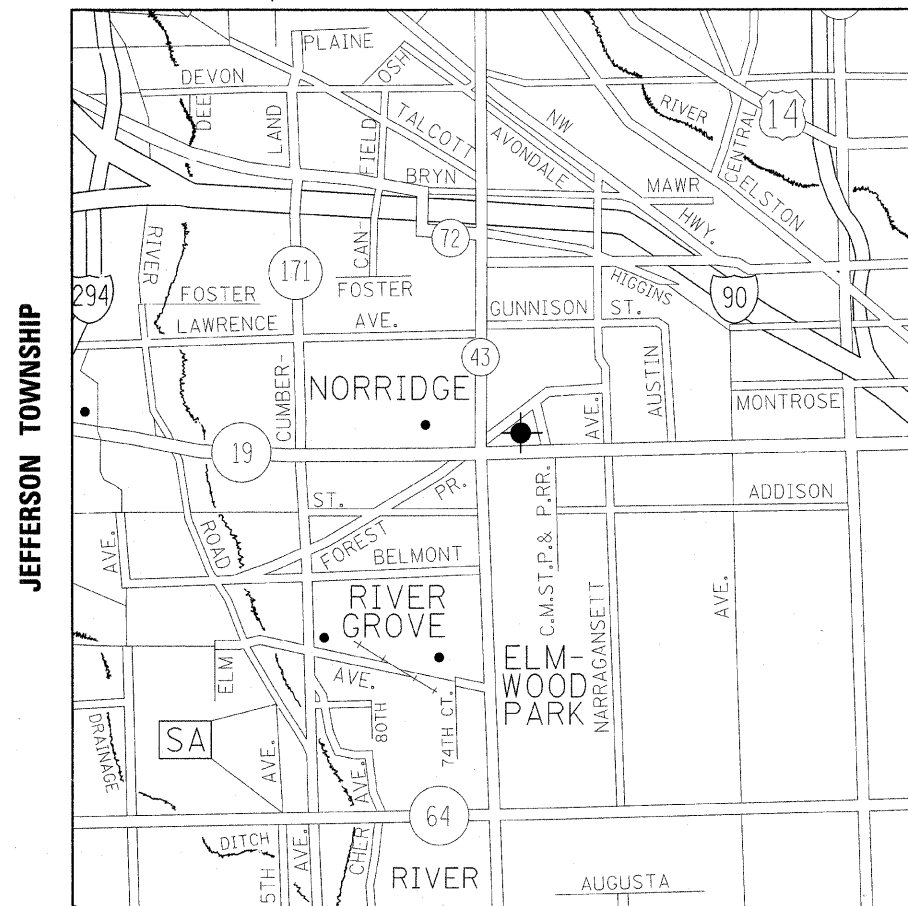
PROPOSED HIGHWAY PLANS

VARIOUS
SECTION 2010-161-I
NORTHSIDE MAINTENANCE YARD
KNEE WALL, FENCING, AND LANDSCAPING
COOK COUNTY
C-91-358-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2



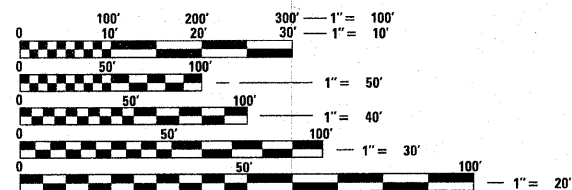
● SIGNIFIES THE LOCATION OF THE MAINTENANCE YARD



JEFFERSON TOWNSHIP

LOCATION MAP

PROJECT IS LOCATED IN THE CITY OF CHICAGO



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

DISTRICT ONE BUREAU OF MAINTENANCE: J. STUMPNER
MAINTENANCE LANDSCAPE DESIGNER: R. WANNER /M. DEL ROSARIO (847) 705-4171

CONTRACT NO. 60N78

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 10, 20 11
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 05 20 11
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 05 20 11
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

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1	COVER SHEET
2	INDEX OF SHEETS
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	STATE STANDARDS
3	SUMMARY OF QUANTITIES
4	REMOVAL PLAN
5	PROPOSED CONCRETE DRIVEWAY AND SIDEWALK
6	CHAIN LINK FENCING AND FLUTED KNEE WALL
7	LANDSCAPE PLANS
8	FLUTED KNEE WALL DETAILS
9	TYPICAL SECTIONS OF FLUTED KNEE WALL ALONG HARLEM AVE. AND FOREST PRESERVE DR.
10	PLAN, ELEVATION, AND DETAILS CHAIN LINK GATES, 6' X 6' SINGLE
11	CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE DETAILS
12	LANDSCAPE DETAILS

GENERAL NOTES

- THE CONTRACTOR MUST CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY IMPACT THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE MUST BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION MUST BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ANY AND ALL SURFACE AND UNDERGROUND UTILITIES, EVEN THOUGH THEY MAY NOT BE IDENTIFIED ON THE PLANS.
- THE CONTRACTOR MUST COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITIES OF THE CITY OF CHICAGO. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL THE CHICAGO UTILITY ALERT NETWORK (C.U.A.N.) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR MUST CONTACT THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT, PERMIT SECTION AT 312-747-7893 FOR WATER AND CITY SEWER LOCATIONS.
- PRIOR TO EXCAVATING, CALL JOINT UTILITIES LOCATION INFORMATION FOR EXCAVATORS (J.U.L.I.E.) AT 1.800.892.0123.
- BEFORE ANY EXCAVATION STARTS, THE CONTRACTOR SHALL CONTACT THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR, 48 HOURS PRIOR TO ANY EXCAVATION TO MARK OUT UNDERGROUND IDOT CABLES. THE CONTRACTOR SHALL PRESERVE THESE MARKINGS; ANY ADDITIONAL REQUESTS MADE BY THE CONTRACTOR WILL BE AT THEIR OWN EXPENSE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM IDOT.
- THE CONTRACTOR MUST USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ANY SIGNS OR PAVEMENT MARKERS DAMAGED OR DESTROYED AS A RESULT OF LANDSCAPE WORK, CONCRETE WORK, AND/OR FENCING SHALL BE REPLACED AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR MUST TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- APPROVED WATERING EQUIPMENT SHALL BE AT THE SITE OF THE WORK AND IN OPERATIONAL CONDITION PRIOR TO STARTING THE PLANTING OPERATION AND DURING ALL PLANTING OPERATIONS OR PLANTING WILL NOT BE ALLOWED.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING PLANT MATERIAL FROM DAMAGE FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE IDOT STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.

13. CONTRACTOR SHALL REPAIR IN KIND ANY OF THE VARIOUS EXISTING GRASS AREAS DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CONTRACTOR SHALL UTILIZE THE VARIOUS SEED MIXTURES INCLUDED IN THE SPECIFICATIONS AND AS SHOWN ON THE PLANS FOR THIS REPAIR WORK.

14. THE CONTRACTOR SHALL NOT BE ALLOWED TO PROCEED WITH ANY PLANTING WORK UNTIL ALL UTILITY OWNERS FIELD LOCATED THEIR FACILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THE ACTUAL LOCATION OF PROPOSED LANDSCAPING WILL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES.

15. UNDERBRUSH OR DEBRIS AT PLANTING LOCATIONS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH SECTION 202.03 OF THE IDOT STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

16. CONTRACTOR SHALL PERFORM DUE DILIGENCE IN LOCATING SPECIFIED PLANT MATERIAL.

17. NO SUBSTITUTIONS OR PLANT MATERIAL, QUANTITIES, OR SIZES SHALL BE ALLOWED UNLESS APPROVED BY THE ENGINEER.

18. NO PLANT MATERIAL IS TO BE INSTALLED ON SITE WITHOUT APPROPRIATE IDOT ORANGE PLANT SEAL.

19. ALL TREE AND SHRUB BEDS SHALL RECEIVE 4 INCHES OF MULCH. NEWLY INSTALLED TREES NOT LOCATED WITHIN A BED SHALL BE MULCHED WITH A SIX-FOOT DIAMETER RING WITH A CULTIVATED EDGE AT THE BASE OF EACH TREE (REMOVE EXISTING TURF).

20. TREES SHALL BE SET IN TRUE, VERTICAL ALIGNMENT AFTER PLANTING.

21. EXISTING TREES SHALL BE MULCHED SO THE MULCH RING EXTENDS THREE (3) FEET BEYOND THE TRUNK OF THE TREE.

22. UNLESS NOTED OTHERWISE, ALL SHRUBS SHALL BE PLANTED IN MULCHED BEDS. THE EDGE OF THE MULCH BED SHALL EXTEND A MINIMUM OF THREE (3) FEET BEYOND THE CENTERS OF THE PERIPHERAL PLANTS IN THE BEDS.

23. AREAS TO BE SEEDED BETWEEN NOVEMBER 15 TO MARCH 30 SHALL REQUIRE DORMANT SEEDING, WHICH SHALL BE INCLUDED IN THE COST OF SEEDING, CLASS 4 (MODIFIED).

24. CONTRACTOR SHALL SUPPLY DIFFERENT COLORED FLAGS LABELLED WITH THE VARIOUS TREE SPECIES IN THIS CONTRACT. CONTRACTOR SHALL ALSO PROVIDE ADDITIONAL FLAGS FOR LAYOUT OF THE VARIOUS LANDSCAPE ITEMS, (2) CASES OF PAINT OF (2) DIFFERENT COLORS, AND RIBBON OF AT LEAST (3) DIFFERENT COLORS AT THE TIME OF THE PRE-CONSTRUCTION MEETING FOR LAYOUT.

25. NIGHT OPERATIONS SHALL NOT BE ALLOWED.

26. ALL EXISTING FENCE TO BE REMOVED SHALL REMAIN IN PLACE UNTIL THE PROPOSED FENCE HAS BEEN INSTALLED.

27. ANTICIPATED EARTH EXCAVATION CAN BE INCORPORATED INTO EXISTING BERMS PRIOR TO SHAPING AND PLACEMENT OF TOPSOIL. ANY EARTH EXCAVATION AFTER SHAPING AND TOPSOIL PLACEMENT SHALL BE REMOVED AND DISPOSED OF OFF SITE AT CONTRACTOR'S EXPENSE.

28. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.

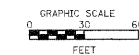
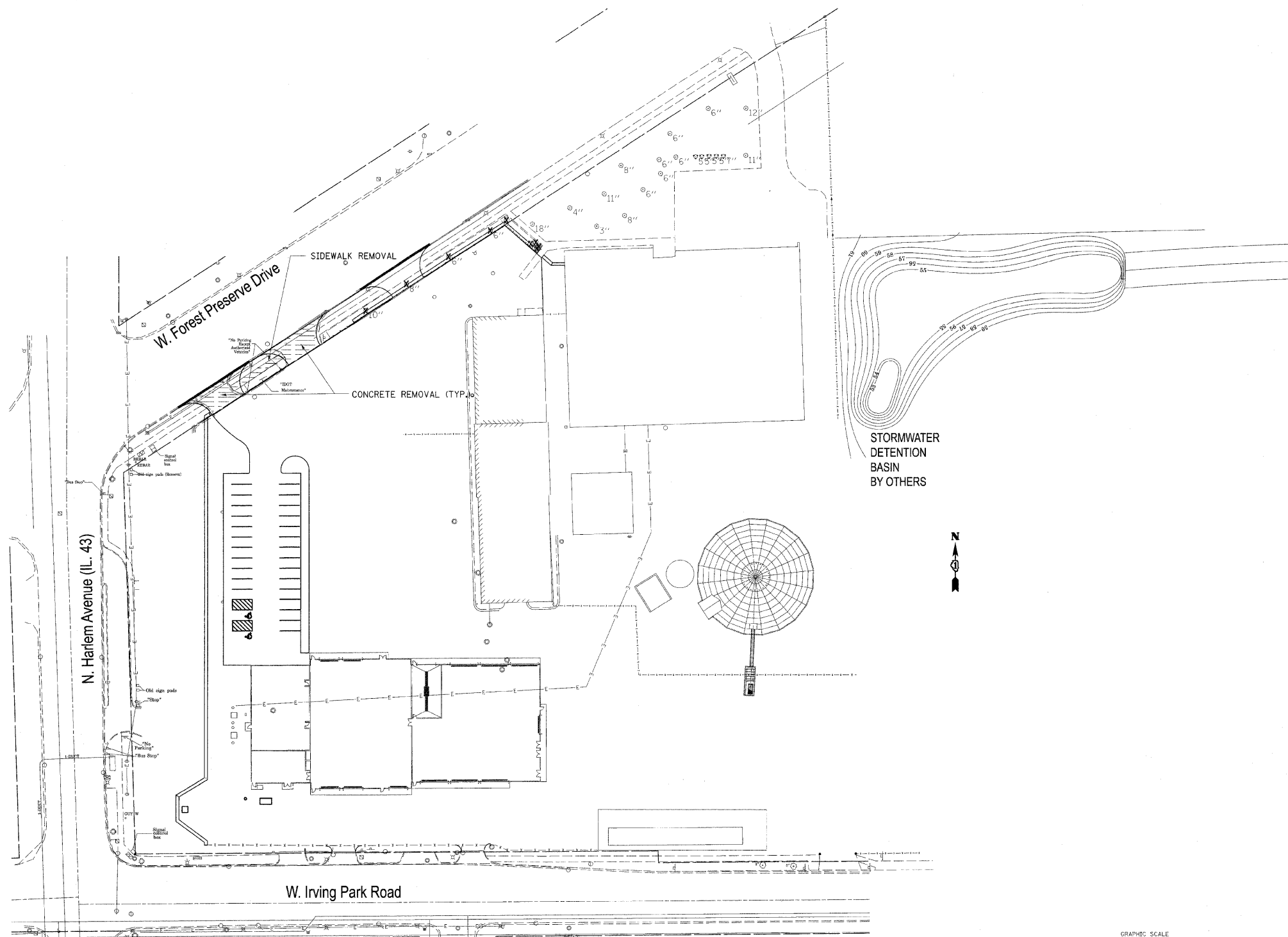
29. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO GAP REMAINS BETWEEN PROPOSED RELOCATED FENCING OR WHERE PROPOSED RELOCATED FENCING TERMINATES AND EXISTING FENCE REMAINS IN PLACE.

30. IT IS CALLED TO THE CONTRACTOR'S ATTENTION THAT HE/SHE SHALL BE REQUIRED TO OBTAIN AND PAY FOR ANY INSPECTION OR PERMIT FEES TO THE VARIOUS DEPARTMENTS OF THE CITY OF CHICAGO AND THE STATE OF ILLINOIS. THE COST FOR THESE FEES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION. PERMIT FEES SHALL BE PAID PRIOR TO COMMENCING CONSTRUCTION.

STATE STANDARDS

000001 - 07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001 - 07	PAVEMENT JOINTS
424001 - 05	CURB RAMPS FOR SIDEWALKS
606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001 - 02	CHAIN LINK FENCE
701606 - 07	URBAN LANE CLOSURE MULTI-LANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

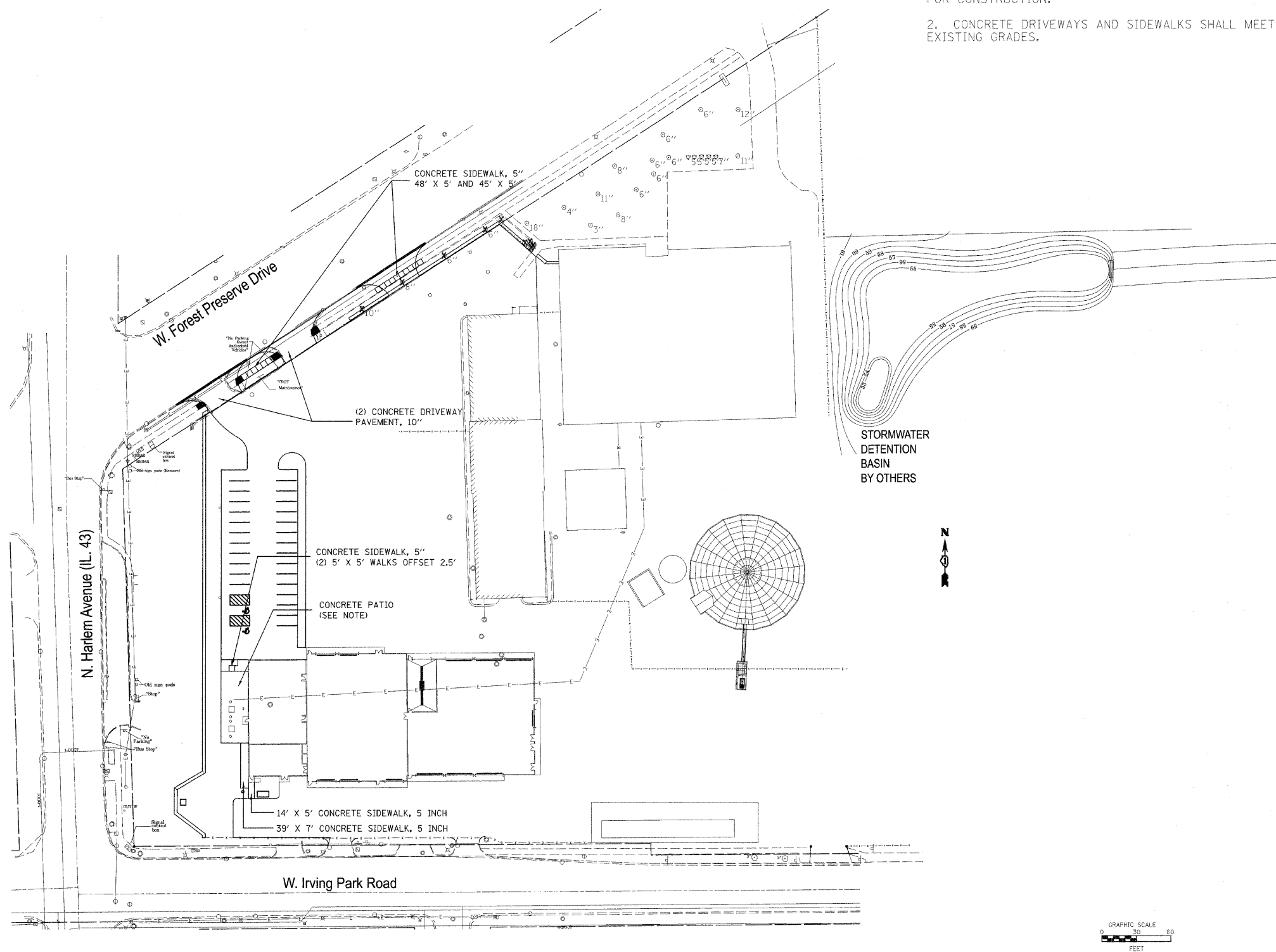
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	PLOT DATE = 1/31/2011	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



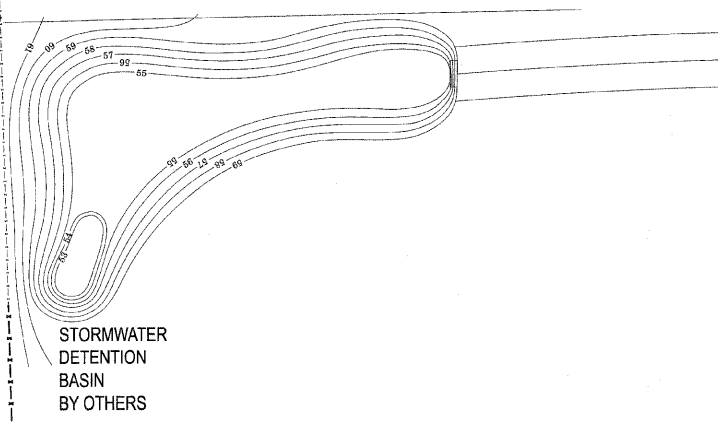
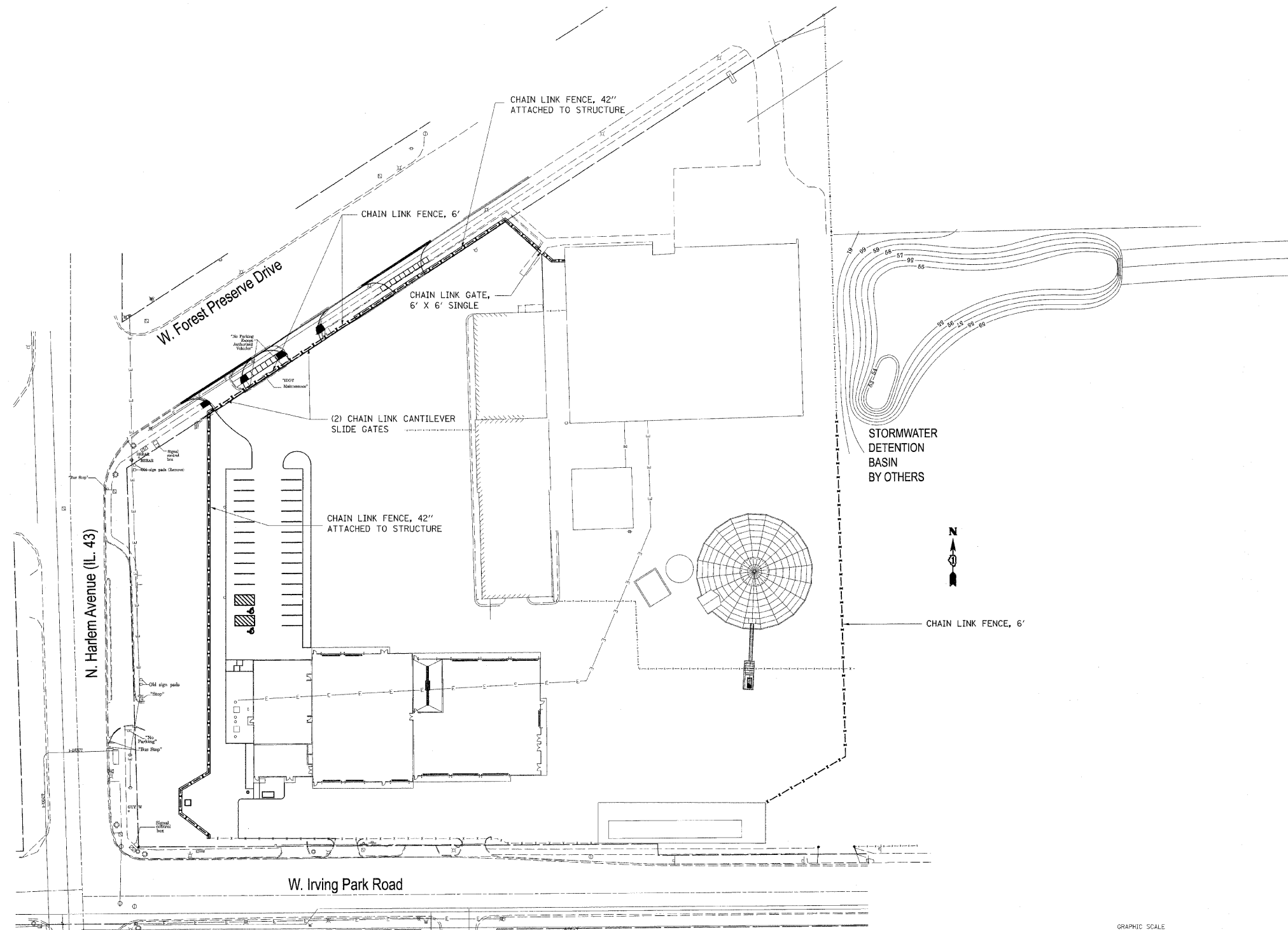
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										CONTRACT NO. 60N78 ILLINOIS FED. AID PROJECT			

NOTES:

1. CONCRETE PATIO SHALL USE A RIGID DRIVEWAY DESIGN FOR CONSTRUCTION.
2. CONCRETE DRIVEWAYS AND SIDEWALKS SHALL MEET EXISTING GRADES.



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	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 1/31/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CHAIN LINK FENCING
AND FLUTED KNEE WALL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2010-161-1	COOK	12	6
			CONTRACT NO. 60N78	
ILLINOIS FED. AID PROJECT				

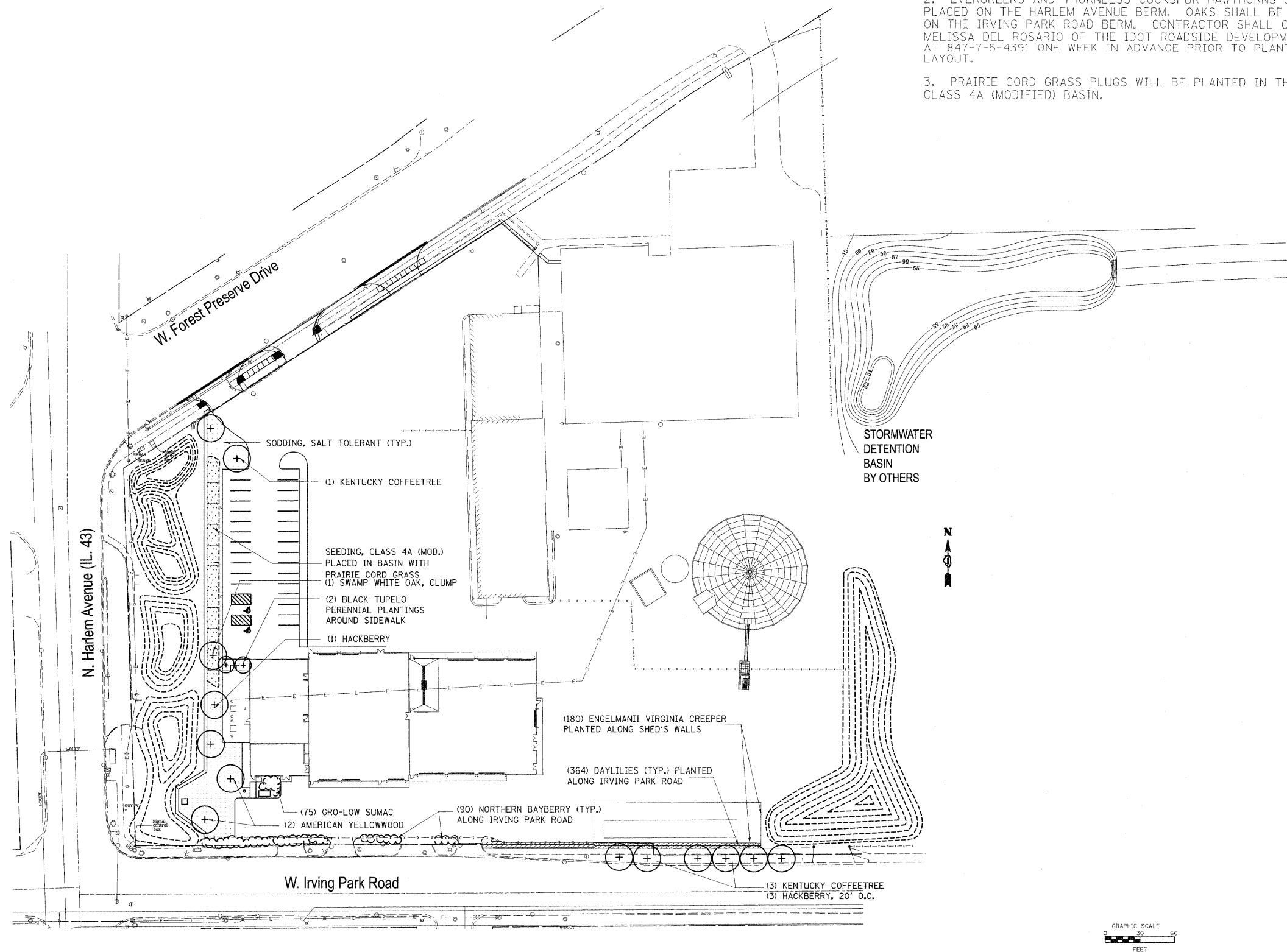
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NOTES:

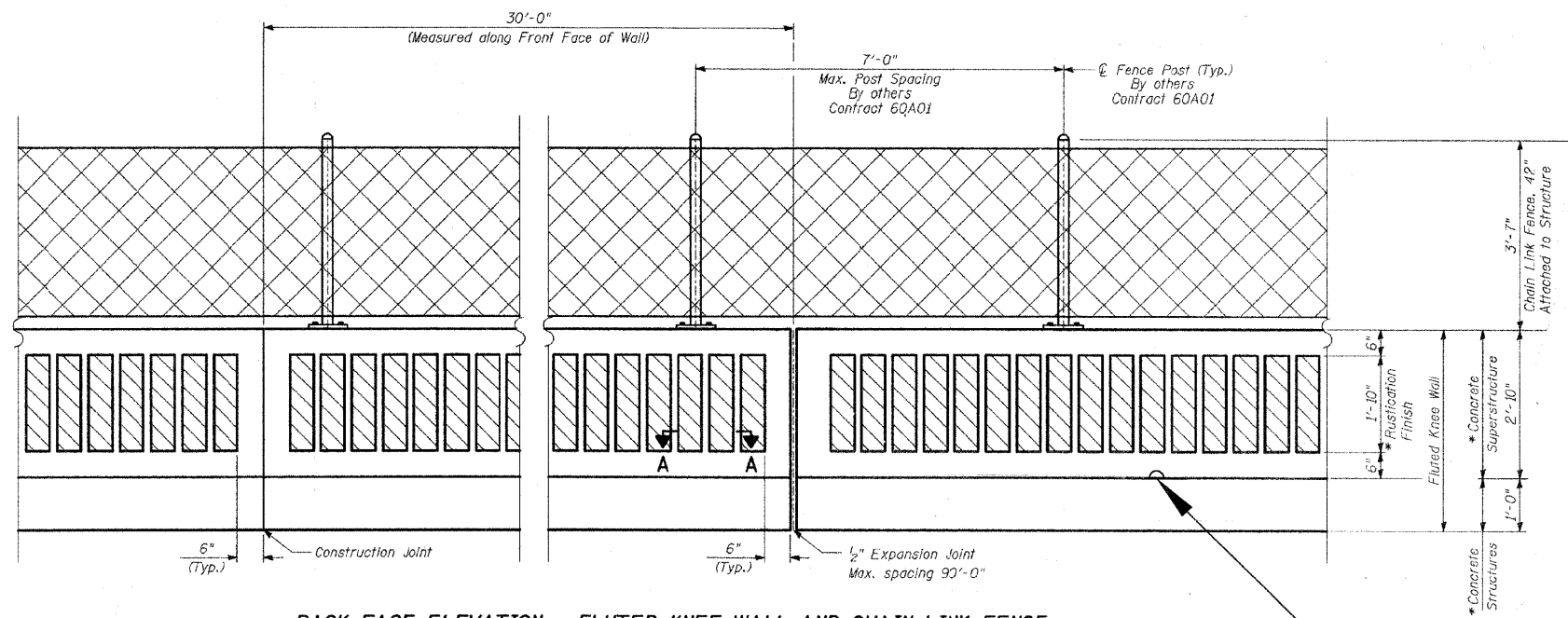
1. SEEDING, CLASS 4A (MODIFIED) SHALL BE PLACED ON THE BERMS ALONG HARLEM AVENUE (NORTHSIDE MAINTENANCE YARD) AND IRVING PARK ROAD (DUNNING READ CONSERVATION AREA).

2. EVERGREENS AND THORNLESS COCKSPUR HAWTHORNS SHALL BE PLACED ON THE HARLEM AVENUE BERM. OAKS SHALL BE PLACED ON THE IRVING PARK ROAD BERM. CONTRACTOR SHALL CONTACT MELISSA DEL ROSARIO OF THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-7-5-4391 ONE WEEK IN ADVANCE PRIOR TO PLANTING FOR LAYOUT.

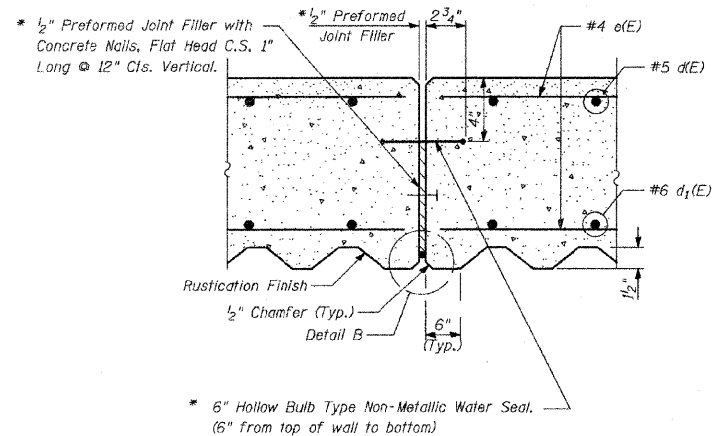
3. PRAIRIE CORD GRASS PLUGS WILL BE PLANTED IN THE SEEDING, CLASS 4A (MODIFIED) BASIN.



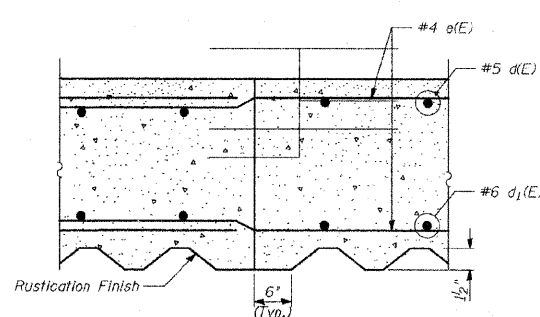
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PLOT DATE = 1/31/2011		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	



BACK FACE ELEVATION - FLUTED KNEE WALL AND CHAIN LINK FENCE



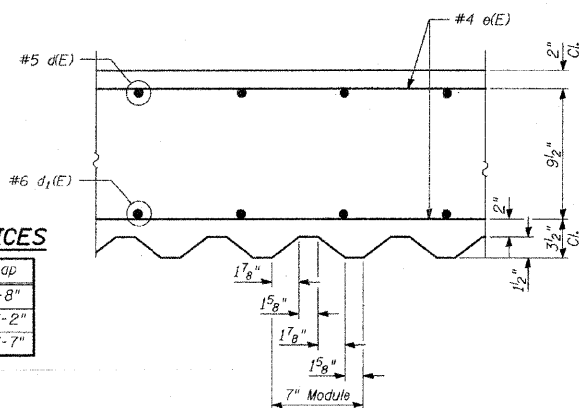
EXPANSION JOINT DETAILS



CONSTRUCTION JOINT DETAILS

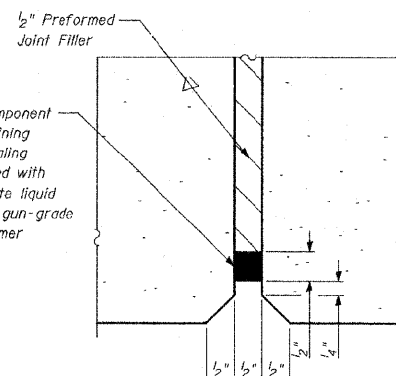
LAP SPLICES

Bar	Lap
#4	1'-8"
#5	2'-2"
#6	2'-7"



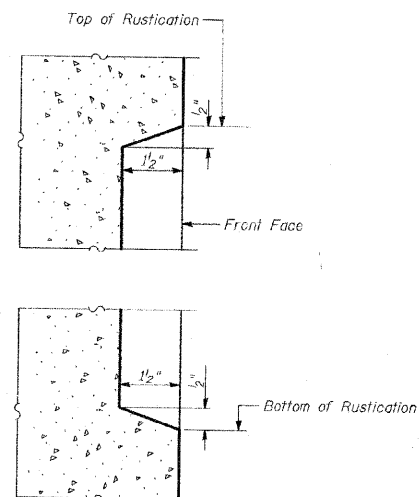
SECTION A-A

* Two component non-staining gray sealing compound with polysulfite liquid polymer gun-grade with primer



DETAIL B

P.V.C. 4" Half Moon Piping shall be used for drainage. Location and spacing as directed by the Engineer and shall be included in the cost of "Fluted Knee Wall" Maximum spacing shall be 20'-0".



DETAIL A

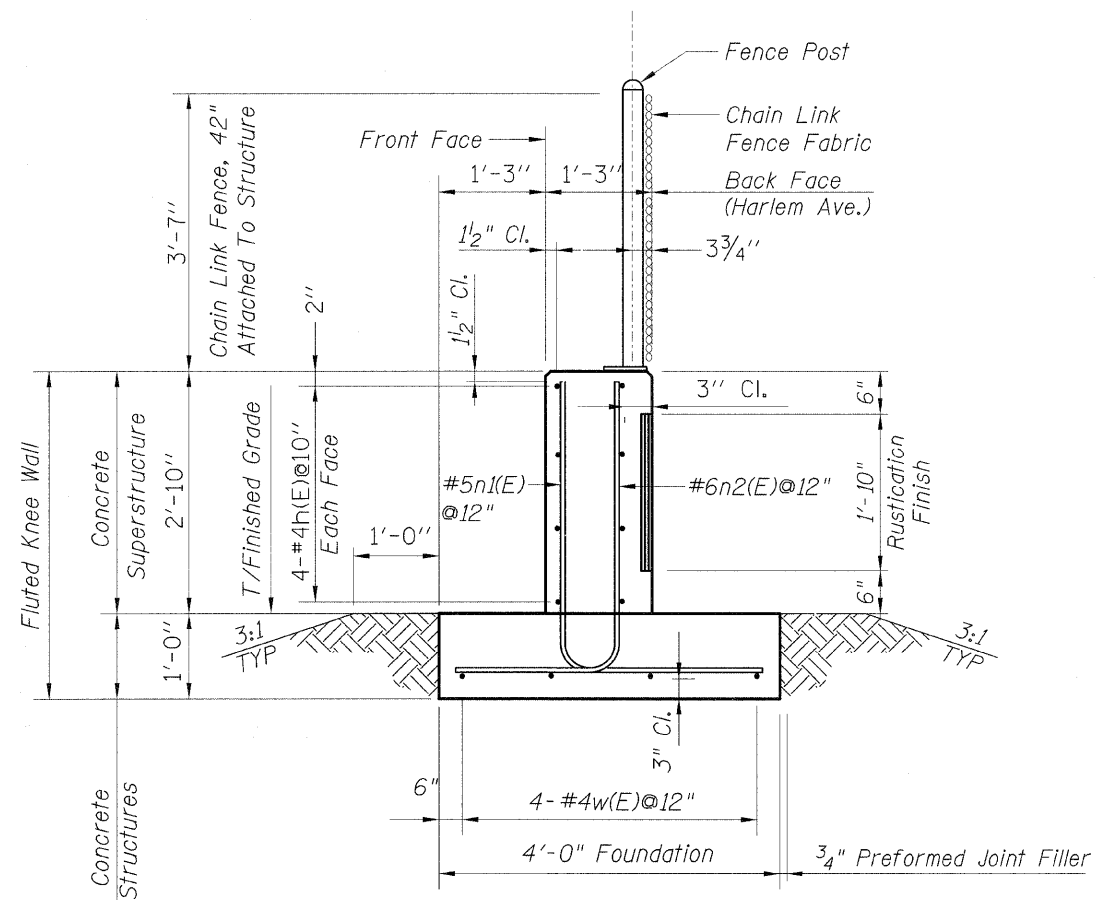
NOTES:

1. Reinforcement Bar Shall Conform to the Requirements of AASHTO M-31 or M-322 Grade 60
2. Concrete: $f'c = 3500$ psi
3. Fluted Knee Wall shall be paid for per foot as "Fluted Knee Wall." Included in the cost of "Fluted Knee Wall" shall be "Concrete Superstructure" stem, "Concrete Structures" foundation, reinforcement bars (epoxy coated), rustication finish, protective coat, expansion joint filler and sealing compound.
4. At Locations Where Fluted Knee Wall Abuts a Rigid Structure, a 1/2" Thick Preformed Expansion Joint Filler Conforming to the Shape of the Structure Shall be Installed Between the Wall and the Structure. A 1/2" PJF Shall be Installed where Fluted Knee Wall Footing abuts curb and gutter. The cost shall be included in "Fluted Knee Wall".
5. Quantities shown in "BILL OF MATERIAL" are for one (1) foot of "Fluted Knee Wall".
6. Protective Coat shall be applied according to Section 503.19 of the Standard Specifications to all concrete surfaces not in contact with soil for the typical section of the fluted knee wall. The cost shall be included in "Fluted Knee Wall"
7. All concrete edges shall be chamfered 3/4" except as noted.
8. All Expansion Joints shall be at Maximum spacing of 90' with construction joints at 30'.
9. All construction joints shall be bonded.
10. The top of the footing shall be broom finished.

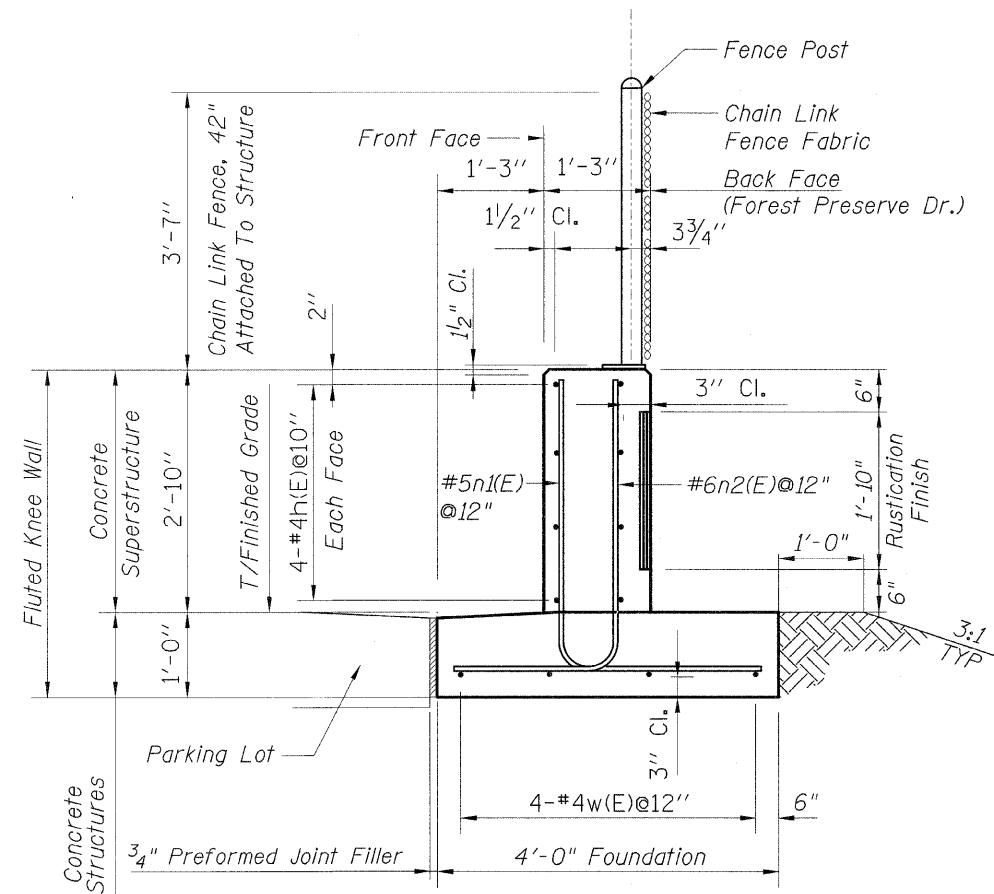
* Cost included with "Fluted Knee Wall."

BILL OF MATERIAL

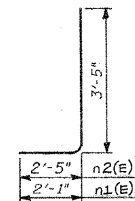
QUANTITIES PER FOOT OF FLUTED KNEE WALL		
ITEM	UNIT	TOTAL
Concrete Structures	CU YD	0.15
Concrete Superstructure	CU YD	0.14
Protective Coat	SQ YD	1.08
Rustication Finish	SQ FT	1.84
Reinforcement Bars, Epoxy Coated	POUND	22.69



**TYPICAL SECTION
FLUTED KNEE WALL
ALONG HARLEM AVE.**

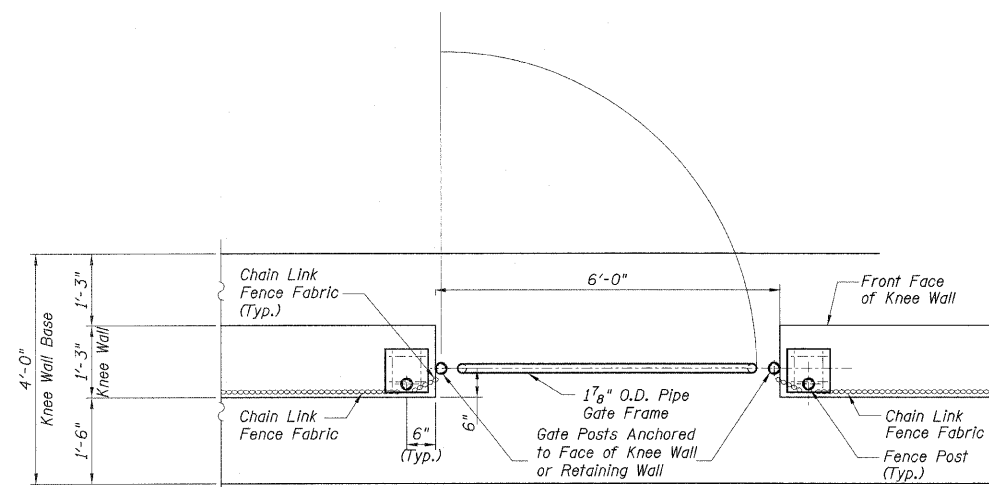


**TYPICAL SECTION
FLUTED KNEE WALL
ALONG FOREST PRESERVE DR.**

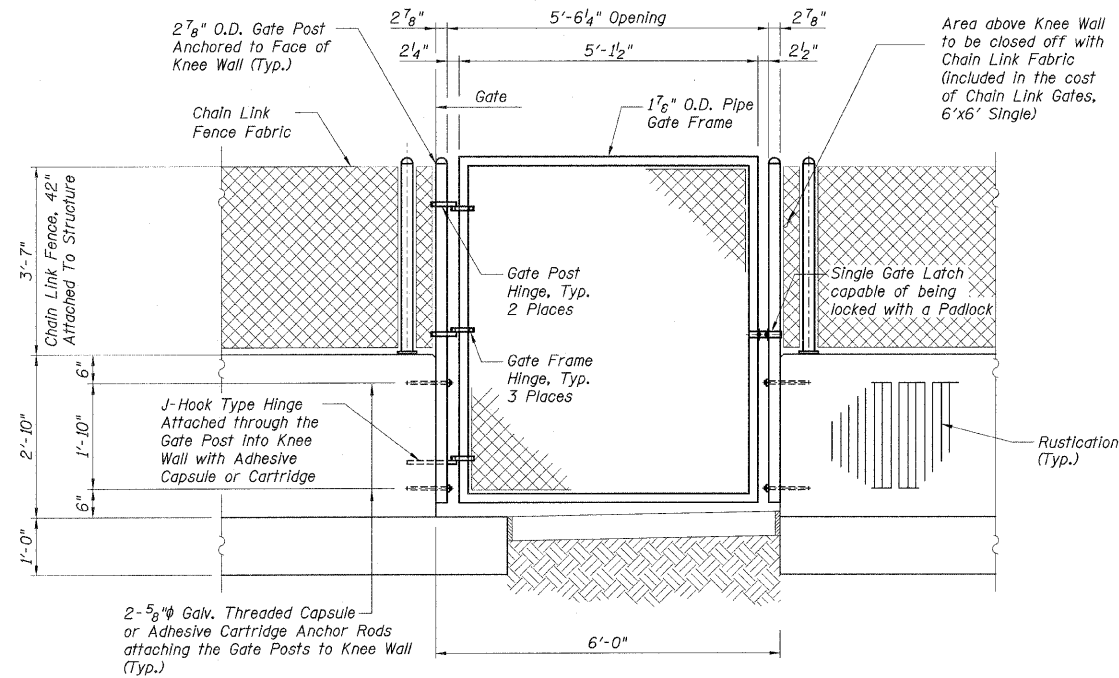


BARS n2(E) & n1(E)

FILE NAME =	USER NAME = delrosarions	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS OF FLUTED KNEE WALL ALONG HARLEM AVENUE AND FOREST PRESERVE DRIVE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 1/31/2011	CHECKED -	REVISED -			CONTRACT NO. 60N78					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS STA.		TO STA.			



PLAN



**OPENING IN KNEE WALL ELEVATION
CHAIN LINK GATE, 6' X 6' SINGLE - DETAILS**

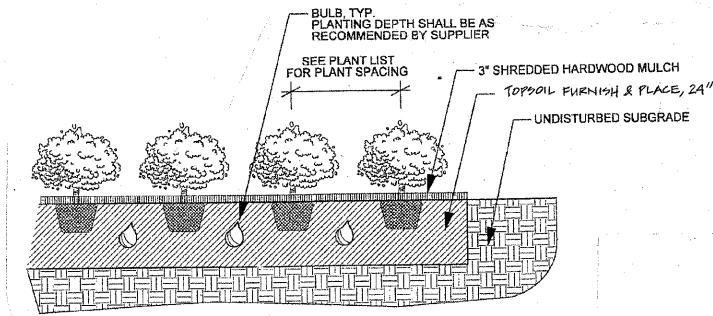
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c:\pwork\p\dot\delrosarjoms\d8107469	KneeWallDetails.dgn	DRAWN -	REVISED -					VAR.	2010-161-I	COOK	12	10
PLOT SCALE = 5/8"=1'-0"	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 60N78			ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/31/2011	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.		

NORTHSIDE LANDSCAPE PLANT LIST

SCIENTIFIC NAME	COMMON NAME	SIZE	QUANTITY	SPACING	NOTES
SHADE TREES					
CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CALIPER	4		IN PARKWAY
CLADRASTIS KENTUKEA	AMERICAN YELLOWWOOD	2" CALIPER	2		WITHIN YARD
GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2" CALIPER	4		IN PARKWAY
NYSSA SYLVATICA	BLACK TUPELO	2" CALIPER	2	ON PLANS	PATIO AREA
QUERCUS BICOLOR	SWAMP WHITE OAK	2" CALIPER	18	15' - 20' O.C.	WITHIN YARD
QUERCUS BICOLOR	SWAMP WHITE OAK	10' HEIGHT	12	15' - 20' O.C.	CLUMP FORM - WITHIN YARD
QUERCUS ELLIPSOIDALIS	HILL'S OAK	2" CALIPER	10	15' - 20' O.C.	WITHIN YARD
QUERCUS IMBRICARIA	SHINGLE OAK	2" CALIPER	16	15' - 20' O.C.	WITHIN YARD
QUERCUS MACROCARPA	BUR OAK	2" CALIPER	18	15' - 20' O.C.	WITHIN YARD
ORNAMENTAL TREES					
CRATAEGUS CRUGALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	6' HEIGHT	32	GROUPINGS OF 12' O.C.	CLUMP FORM - FRONT OF BERM
EVERGREEN TREES					
PICEA ABIES	NORWAY SPRUCE	7' HEIGHT	10	15' O.C.	BACK SIDE OF BERM
PICEA OMORIKA	SERBIAN SPRUCE	6' HEIGHT	9	15' O.C.	BACK SIDE OF BERM
PICEA PUNGENS	COLORADO SPRUCE	6' HEIGHT	10	15' O.C.	BACK SIDE OF BERM
PINUS FLEXILIS 'VANDERWOLF'S PYRAMID'	VANDERWOLF PYRAMID LIMBER PINE	6' HEIGHT	14	15' O.C.	BACK SIDE OF BERM
PINUS NIGRA	AUSTRIAN PINE	7' HEIGHT	9	15' O.C.	BACK SIDE OF BERM
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6' HEIGHT	13	15' O.C.	BACK SIDE OF BERM
SHRUBS					
MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	2' HEIGHT	90	36" O.C.	
RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	15" WIDTH	75	36" O.C.	
PERENNIAL PLANTS, ORNAMENTAL TYPE					
ASTER DUMOSUS 'WOOD'S PURPLE'	WOOD'S PURPLE ASTER	1 - GAL CONT	9	18" O.C.	PATIO AREA
BAPTISIA AUSTRALIS	BLUE FALSE INDIGO	1 - GAL CONT	11	24" O.C.	PATIO AREA
CALLIRHOE INVOLUCRATA	PURPLE POPPYMALLOW	1 - GAL CONT	11	15" O.C.	PATIO AREA
ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1 - GAL CONT	17	12" O.C.	PATIO AREA
HEMEROCALLIS 'CHICAGO HEIRLOOM'	CHICAGO HEIRLOOM DAYLILY	1 - GAL CONT	83	18" O.C.	INTERPLANTED W/ OTHER DAYLILIES
HEMEROCALLIS 'MARY TODD'	MARY TODD DAYLILY	1 - GAL CONT	83	18" O.C.	INTERPLANTED W/ OTHER DAYLILIES
HEMEROCALLIS 'WOODSIDE FIRE DANCE'	WOODSIDE FIRE DANCE DAYLILY	1 - GAL CONT	84	18" O.C.	INTERPLANTED W/ OTHER DAYLILIES
LIATRIS SPICATA 'KOBOLD'	KOBOLD SPIKE GAYFEATHER	1 - GAL CONT	17	12" O.C.	PATIO AREA
PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	1 - GAL CONT	17	18" O.C.	PATIO AREA
RUBBECKIA FULGIDA 'GOLDSTRUM'	GOLDSTRUM BLACK-EYED SUSAN	1 - GAL CONT	30	15" O.C.	PATIO AREA
SCHIZACHYRIUM SCOPARIUM 'CAROUSEL'	CAROUSEL LITTLE BLUESTEM	1 - GAL CONT	12	18" O.C.	PATIO AREA
	TOTAL UNITS		3.74		
PERENNIAL PLANTS, SEDGE MEADOW TYPE					
SPARTINA PECTINATA*	PRAIRIE CORD GRASS	PLUG	900	12" O.C.	INTERPLANTED WITHIN SEEDED BASIN AREA
	TOTAL UNITS		9.00		
BULBS					
NARCISSUS 'CARLTON'	CARLTON DAFFODIL	TOP SIZE	200	INTERPLANT W/PERENNIALS	3 BULBS PER HOLE
NARCISSUS 'DELIBES'	DELIBES DAFFODIL	TOP SIZE	150	INTERPLANT W/PERENNIALS	3 BULBS PER HOLE
NARCISSUS 'PROFESSOR EINSTEIN'	PROFESSOR EINSTEIN DAFFODIL	TOP SIZE	150	INTERPLANT W/PERENNIALS	3 BULBS PER HOLE
	TOTAL UNITS		5		

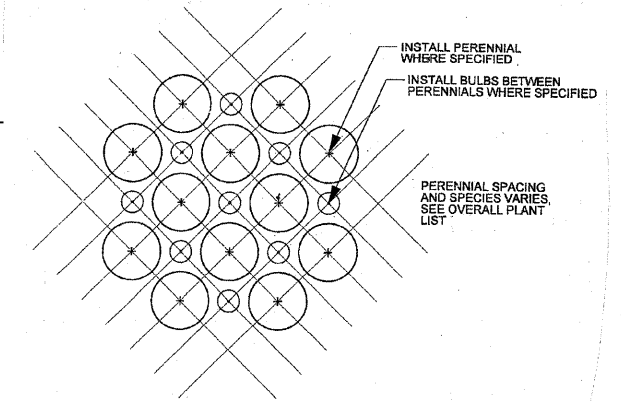
NOTE:

* SEDGE MEADOW TYPE PLUG MAY BE SUBSTITUTED FOR DIFFERENT PLUG TYPE IF HYDROLOGIC CONDITIONS DICTATE OTHERWISE.



PERENNIAL AND BULB PLANTING DETAIL

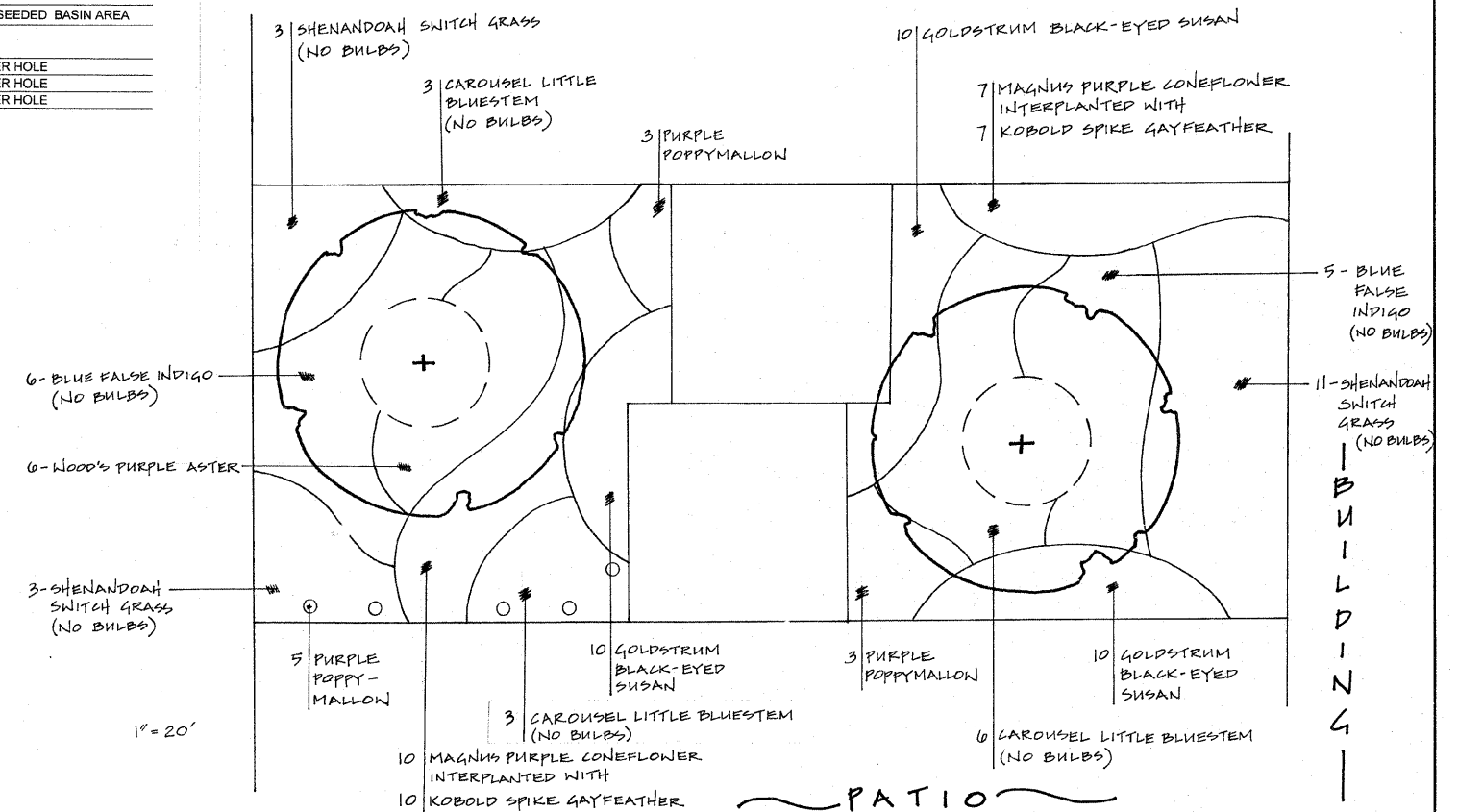
No Scale



INTERPLANTING DETAIL

No Scale

PARKING LOT



FILE NAME =	USER NAME = delrosarions	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE DETAILS AND QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cd:\pw_work\pwwork\delrosarions\02107489\landscape_aa.dgn		DRAWN -	REVISED -			VAR.	2010-161-1	COOK	12	12	
		CHECKED -	REVISED -			CONTRACT NO. 60N78					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					